KERNFORSCHUNGSZENTRUM

KARLSRUHE

JANUARY 1968

KFK 750
EUR 3715 e
EANDC(E)-88 "U"

INSTITUT FÜR NEUTRONENPHYSIK UND REAKTORTECHNIK

TABLES OF EVALUATED NEUTRON CROSS SECTIONS FOR FAST REACTOR MATERIALS

I. LANGNER, J. J. SCHMIDT, D. WOLL

GESELLSCHAFT FÜR KERNFORSCHUNG M. B. H.

KARLSRUHE

KERNFORSCHUNGSZENTRUM KARLSRUHE

KFK 750
EUR 3715 e
EANDC(E)-88 "U"

JANUARY 1968

INSTITUT FÜR NEUTRONENPHYSIK UND REAKTORTECHNIK

TABLES OF EVALUATED NEUTRON CROSS SECTIONS FOR FAST REACTOR MATERIALS*

BY
[Ingard] [Josef] [Johannes] [Detlev]
I. LANGNER, J. J. SCHMIDT, D. WOLL

GESELLSCHAFT FÜR KERNFORSCHUNG M. B. H., KARLSRUHE

* Work performed within the association in the field of fast reactors between the European Atomic Energy Community and Gesellschaft für Kernforschung m. b. H., Karlsruhe.

Introduction

Originally this volume was planned as the second edition of part II of the tripartite report entitled

"Neutron Cross Sections for Fast Reactor Materials"

Part I: Evaluation
Part II: Tables
Part III: Graphs

published under the reference numbers KFK 120 (EANDC-E-35"U"). As such it was announced in KFK 120/part I. However, as most of this volume contains completely new evaluated and much enlarged information compared to KFK 120/part II, we decided to make this volume a new edition. It is published as an external report of the Kernforschungszentrum Karlsruhe with the reference number KFK 750 and the additional reference numbers EANDC(E)-88"U" and EUR 3715e and corresponding distributors. It contains tables of evaluated data as functions of the neutron incident energy E for the following types of neutron cross sections and nuclear parameters:

1. neutron energy dependent statistical resonance parameters for the fissionable nuclei U^{235} and Pu^{239} (50 eV $\leq$ E $\leq$ 250 keV),
2. neutron cross sections and related neutron nuclear data (0.001 eV $\leq$ E $\leq$ 10 MeV),
3. neutron inelastic excitation cross sections (lowest threshold $\leq$E$\leq$ a few MeV),
4. elastic scattering angular distributions (mostly 10 keV $\leq$ E $\leq$ 15 MeV).

The materials covered are those of particular interest in fast and intermediate reactor design, e.g.

H (bound in H_2), H(bound in H_2O), $He^3(\epsilon_p)$, He, C, O, Na, Cr, Fe, Ni, Mo, U^{235}, U^{238}, Pu^{239}.

The data printed in this volume are part of the Karlsruhe microscopic neutron nuclear data file (KEDAK) held in the IBM 7074 computer. Not the whole data file is printed. We leave out mainly

1. evaluated neutron cross section data taken over from other laboratories,
2. best values of resolved and energy independent statistical resonance parameters already tabulated in KFK 120/part I,
3. resolved resonance cross sections of U^{238} in the energy range 100 eV to 4 keV (these are so numerous that they are left out in order not to overload this volume).

A copy of the complete content of KEDAK has been sent on magnetic tape to the ENEA Neutron Data Compilation Center at Saclay; upon request it will be available from there. Generally the energy tabulation is so narrow as to permit a linear interpolation on a double linear scale between neighbouring values to a mostly much better accuracy as that of the data themselves. Only for the resolved resonance cross sections of U^{238} (1 eV $\leq$ E $\leq$ 4 keV) and Pu^{239} (1 eV $\leq$ E $\leq$ 54 eV) the number of energy points stored is still too small as to allow linear interpolation; this is particularly true of the resonance wings. Parabolic interpolation would be simplest and sufficient in this case.

The cross sections are throughout given in barn. All energies are given in eV, only in the tables of the inelastic excitation cross sections the level energies are given in MeV. The notation of the tabulated quantities is as follows

E	=	energy of the incident neutrons in the laboratory system (in eV),
U	=	$\ln(E_o/E)$ = lethargy; E_o = 10 MeV,
ℓ	=	arbital angular momentum of the neutron,
J	=	total angular momentum of the compound nucleus,
$\bar{\Gamma}_f$	=	average fission width,
$\bar{\Gamma}_n$	=	average neutron width,
$\bar{D}$	=	average level distance,

SGT = σ_T = total cross section,

SGN = σ_n = elastic scattering cross section,

SGTR = $\sigma_{tr} = \sigma_T - \bar{\mu}_L \sigma_n$ = transport cross section,

SGG = σ_γ = radiative capture cross section,

SGF = σ_f = fission cross section,

SGP = σ_p = cross section for the (n,p)-process,

SGALP = σ_α = cross section for the (n,α)-process,

SGA = $\sigma_a = \begin{cases} \sigma_\gamma + \sigma_p + \sigma_\alpha & \text{for all materials except } U^{235}, U^{238} \text{ and } Pu^{239} \\ \sigma_\gamma + \sigma_f & \text{for } U^{235}, U^{238} \text{ and } Pu^{239} \end{cases}$

SGI = $\sigma_{n'}$ = total inelastic scattering cross section,

SG2N = σ_{2n} = cross section for the (n,2n)-process,

SGX = $\sigma_X = \sigma_T - \sigma_n$ = non-elastic cross section,

MUEL = $\bar{\mu}_L$ = average of the cosine of the elastic scattering angle in the laboratory system,

NUE = $\bar{\nu} = \bar{\nu}_{prompt} + \bar{\nu}_{delayed}$ = average number of secondary neutrons per fission,

ALPHA = $\alpha = \sigma_\gamma / \sigma_f$,

ETA = $\eta = \bar{\nu}/(1+\alpha)$ = effective number of secondary neutrons emitted per neutron absorption,

CHIF = χ = energy distribution of the prompt fission neutrons.

The evaluation procedures used to obtain the data reproduced in this volume are almost exclusively documented in KFK 120/Part I, 1966. The few exceptions and data changes are explained below.

For U^{235}, in addition to the increase of σ_n by 1.4 barn in the energy range 4 eV $\leq$ E $\leq$ 1 keV explained in KFK 120/Part I, section IV 1b, the α values of KFK 120/Part II, 1st ed., in the energy range 60 eV to 10 keV are changed to the presently proposed values contained in figure U5-R2 of KFK 120/Part I. Furthermore the former σ_T data in the range 1 keV to 21 keV are renormalized to the interval $\langle\sigma_T\rangle$ values as measured by Uttley [U5-C43] given in table U5-C2 of KFK 120/Part I, p. H50. Between 60 eV and 1 keV the changes in α lead to corresponding changes in

$\sigma_\gamma = \alpha \cdot \sigma_f$, $\sigma_a = \sigma_\gamma + \sigma_f$, $\sigma_X = \sigma_a$, $\sigma_T = \sigma_n + \sigma_X$. Above 1 keV new σ_γ, σ_a, σ_X and σ_n values are calculated for the changed α and σ_T data.

For Pu^{239} in the energy range between 20 keV and 500 keV the σ_f curve recommended in figure Pu9-C4, p. J67, in KFK 120/Part I, is lowered to values going exactly through the recent data of White et al. [Pu9-C69] and Perkin et al. [Pu9-C70] (reference numbers from section VI , part I). Above 500 keV the new σ_f curve is extrapolated to higher energies so that it joins smoothly to the curve in figure Pu9-C4 around 900 keV. The reason for this change is mainly that since the publication of KFK 120/Part I the low White data were rather well confirmed by three independent more recent measurement series in the keV range due to James at Harwell [1], Hemmendinger et al. at Los Alamos (data from the PETREL nuclear explosion) [2] and Gilboy and Knoll at Karlsruhe [3]. The latter authors actually measured the ratio $\sigma_f(Pu^{239}) / \sigma_f(U^{235})$ by two independent methods. The "method A" ratios are in rather good agreement with those of White, whereas the "method B" ratios are lower indicating even lower σ_f^{49} values than those obtained by White. In order to remove the discrepancies between the results of these two methods, very careful remeasurements of the mentioned fission cross section ratio in the keV range are underway at Karlsruhe [4].

The energy dependence of the average neutron widths and the values of the reduced neutron widths for U^{235} and Pu^{239} are explained in sections IV 1b and IV 3b of KFK 120/Part I. The $\bar{\Gamma}_f$ values contained in the statistical resonance parameter tables for U^{235} and Pu^{239} were obtained by fitting the statistical theory expression for $\alpha = \langle\sigma_\gamma\rangle / \langle\sigma_f\rangle$ (see section IV 3b of KFK 120/Part I) to the recommended α values including s and p wave neutrons.

For U^{235} below 10 keV we still used the previous monotonously decreasing α curve. In these fits the following assumptions were made. The fission widths were assumed to obey statistical distributions of the χ^2 type. For U^{235} the number ν_f of degrees of freedom of the fission width distribution for the two s wave spin states was taken to be 4, in accordwith the resonance experiment results of Michaudon et al. [U5-R65] and Wang-Shi-di et al. [U5-R110]. According to investigations of Lynn [5] one to two fission channels for the different p wave spin

states may be fully open in the energy range here considered (below 250 keV), one for $(\ell,J) = (1,2)$; $(1,4)$ and two for $(\ell,J) = (1,3)$; $(1,5)$. We chose ν_f accordingly. Probably the average fission widths for the various s and p wave spin states are not very different; we assumed arbitrarily $\bar{\Gamma}_f$ to be the same for all s and p wave resonance series. All further energy independent statistical resonance parameters used in the fit of $\alpha(E)$ for U^{235} can be seen from table U5-R7, KFK 120/Part I, p. D197.

For Pu^{239} we concluded in section IV 3b of KFK 120/Part I that $\nu_f=2$ for $(\ell,J) = (0,0)$ and $\nu_f=1$ for $(\ell,J) = (0,1)$. The two J=0 channels are believed to be fully open, $\bar{\Gamma}_{f_{J=0}}^{\ell=0}$ $(E\to 0)$ is taken to be 2.8 eV. The position E_i of the J=1 threshold is believed to be at about 50 keV above neutron binding energy with a rather small barrier width $h\omega_i$ of about 150 keV. The energy dependence of both s wave $\bar{\Gamma}_f$ is assumed to be given by the familiar channel theory expression

$$(1) \qquad \bar{\Gamma}_{f_{J\pi}}(E) = \frac{\bar{D}_{J\pi}(E_B+E)}{2\pi} \cdot \sum_i \frac{1}{1+\exp\left\{2\pi \frac{E_i^{J\pi}-E}{h\omega_i}\right\}}$$

with E_B = neutron binding energy in the compound nucleus. The i-sum includes all fission thresholds for compound states J. In this expression the energy dependence of $\bar{D}$ is assumed to follow the well known Fermi gas law

$$(2) \qquad \frac{\bar{D}_{J\pi}(E_B+E)}{\bar{D}_{J\pi}(E_B)} = \left(\frac{E_B+E}{E_B}\right)^2 \exp\left\{-2\left\{\sqrt{a(E_B+E)} - \sqrt{aE_B}\right\}\right\}$$

with the parameters $\bar{D}_{J\pi}(E_B)$, E_B and a as specified in table Pu9-R8, KFK 120/Part I, p. F97. According to the channel scheme proposed by Lynn [5] for the p wave states of Pu^{239}, at the energies considered two channels can be assumed to be fully open for each of the two spin states $(\ell,J) = (1,1)$; $(1,2)$. No channel for the $(\ell,J) = (1,0)$ spin state does exist.

Assuming for simplicity equal barrier positions and widths for both $(\ell,J) = (1,1)$; $(1,2)$ one concludes from equation (1) that

$$(3) \qquad \frac{\bar{\Gamma}_{f_{J=1}}^{\ell=1}}{\bar{\Gamma}_{f_{J=2}}^{\ell=1}} = \frac{\bar{D}_{J=1}^{\ell=1}}{\bar{D}_{J=2}^{\ell=1}} = \frac{3.12}{2.12} = 1.47$$

$\bar{\Gamma}_{f_{J=1}}^{\ell=1}(E)$ is now determined by fitting to $\alpha(E)$ and $\bar{\Gamma}_{f_{J=2}}^{\ell=1}(E)$ from equation (3). All further energy independent statistical resonance parameters were taken from table Pu9-R8, KFK 120/Part I, p. F97.

In the cross section tables the data values smaller than 100 b are printed to five digits after the decimal point, those exceeding 100 b are rounded off to three digits after the decimal point. In the tables of inelastic excitation cross sections the columns 3 through 10 are only headed by the level energies (in MeV) and cross section symbols are omitted. The material symbols used are mostly selfevident; H H1 means H bound in H_2, H Ø1 means H bound in H_2O.

In the first edition of KFK 120/Part II the lowest energy covered in the cross section tables was 0.01 eV. This limit is now lowered to 0.001 eV. The cross section values between 0.001 and 0.01 eV were obtained in the following way. Crystalline or chemical binding effects are generally neglected. The elastic scattering is assumed to be isotropic in the center-of-mass system and $\bar{\mu}_L$ accordingly set equal to 2/3A, except when otherwise noted. For the non fissionable nuclei σ_γ(σ_p for He^3) was extrapolated according to the 1/v-law, σ_n set constant and equal to the value at 0.01 eV except when otherwise noted, $\sigma_T = \sigma_n + \sigma_\gamma$. Furthermore for the non-fissionable nuclei we have $\sigma_a = \sigma_X = \sigma_\gamma$, for the fissionable nuclei $\sigma_a = \sigma_X = \sigma_\gamma + \sigma_f$. σ_{tr} is calculated throughout according to its well known definition. We note in particular

H H1

σ_n taken from reference [6];

$\bar{\mu}_L$ extrapolated from values above 0.01 eV.

H Ø1

σ_T taken from Horsley [7];

$\bar{\mu}_L$ extrapolated from values above 0.01 eV.

O^{16}

σ_T taken from reference [6]; σ_γ=0.

U^{235}

α and σ_n linearly extrapolated (almost constant) from values above 0.01 eV; σ_f taken from reference [6].

Pu^{239}

σ_n linearly extrapolated (almost constant) from values above 0.01 eV; σ_f and σ_T taken from reference [6];
α calculated from $\sigma_\gamma = \sigma_T - \sigma_f - \sigma_n$ and σ_f.

The evaluation of the elastic scattering angular distributions is briefly described in an own introduction to the corresponding tables in this volume and more fully explained in the respective sections of KFK 120/Part I.

Acknowledgements

The authors are primarily indebted to Professor Dr. K. Wirtz, director of the Institut für Neutronenphysik und Reaktortechnik, for making available the facilities of his institute and for his continuous support of this work. Particular thanks are also due to Mr. Stittgen, head of the IBM 7074 computer division, for his permanent aid in all the work connected with the establishment and the reproduction of the KEDAK nuclear data file. We are also indebted to the Reprografic Division of the Kernforschungszentrum Karlsruhe and to Mr. G. Burg for the fine offset reproduction of the tables.

Literature references

1. G.D. James, AERE-PR/NP-9, 1966
2. A. Hemmendinger, IAEA Conf. on Nucl. Data for Reactors, Paris, October 1966, Proceed. Vol. II, p. 219
3. W.B. Gilboy, G.F. Knoll, IAEA Conf. on Nucl. Data for Reactors, Paris, October 1966, Proceed. Vol I, p.295; W.B. Gilboy, private communication, 1967
4. K.H. Beckurts, E. Pfletschinger, private communication, October 1967
5. J.E. Lynn, IAEA Conf. on Nucl. Data for Reactors, Paris, October 1966, Proceed. Vol. II, p. 89
6. D.J. Hughes, R.B. Schwartz, BNL-325, 2nd ed., 1958
7. A. Horsley, AWRE O-23/65, 1965

Contents

Energy dependent statistical resonance parameters for fissionable nuclei

Neutron energy dependent statistical resonance parameters for U^{235}

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
50.0E 0	0	3	0.000686	0.118	1.060
	0	4	0.000686		1.060
	1	2	3.87E-07		1.230
		3	6.68E-07		1.060
		4	6.68E-07		1.060
	1	5	3.72E-07	0.118	1.180
450.0E 0	0	3	0.00206	0.140	1.059
	0	4	0.00206		1.059
	1	2	1.04E-05		1.229
		3	1.80E-05		1.059
		4	1.80E-05		1.059
	1	5	1.00E-05	0.140	1.179
1.05E 3	0	3	0.00314	0.148	1.058
	0	4	0.00314		1.058
	1	2	3.71E-05		1.228
		3	6.40E-05		1.058
		4	6.40E-05		1.058
	1	5	3.56E-05	0.148	1.178

MATERIAL U 235

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
5.25E 3	0	3	0.00703	0.170	1.051
	0	4	0.00703		1.051
	1	2	4.07E-04		1.220
		3	7.02E-04		1.051
		4	7.02E-04		1.051
	1	5	3.91E-04	0.170	1.170
10.5E 3	0	3	0.00994	0.210	1.043
	0	4	0.00994		1.043
	1	2	0.00113		1.210
		3	0.00194		1.043
		4	0.00194		1.043
	1	5	0.00108	0.210	1.161
30.0E 3	0	3	0.0168	0.250	1.012
	0	4	0.0168		1.012
	1	2	0.00502		1.174
		3	0.00866		1.012
		4	0.00866		1.012
	1	5	0.00482	0.250	1.126

MATERIAL U 235

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
50.0E 3	0	3	0.0217	0.274	0.981
	0	4	0.0217		0.981
	1	2	0.0100		1.138
		3	0.0173		0.981
		4	0.0173		0.981
	1	5	0.0096	0.274	1.092
100.0E 3	0	3	0.0307	0.337	0.908
	0	4	0.0307		0.908
	1	2	0.0240		1.054
		3	0.0413		0.908
		4	0.0413		0.908
	1	5	0.0230	0.337	1.011
150.0E 3	0	3	0.0376	0.409	0.841
	0	4	0.0376		0.841
	1	2	0.0382		0.976
		3	0.0658		0.841
		4	0.0658		0.841
	1	5	0.0366	0.409	0.936

MATERIAL U 235

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
200.0E 3	0	3	0.0434	0.489	0.779
	0	4	0.0434		0.779
	1	2	0.0518		0.904
		3	0.0893		0.779
		4	0.0893		0.779
	1	5	0.0497	0.489	0.867
250.0E 3	0	3	0.0485	0.538	0.721
	0	4	0.0485		0.721
	1	2	0.0648		0.837
		3	0.1117		0.721
		4	0.1117		0.721
	1	5	0.0622	0.538	0.803

Neutron energy dependent statistical resonance parameters for Pu^{239}

E (eV)	l	J	$\bar{\Gamma}_n$ (eV)	$\bar{\Gamma}_f$ (eV)	$\bar{D}$ (eV)
50.0E 0	0	0	0.00664	2.800	8.779
	0	1	0.00236	0.0546	3.120
	1	1	2.16E-06	0.100	3.120
	1	2	7.35E-07	0.070	2.120
450.0E 0	0	0	0.01992	2.800	8.774
	0	1	0.00709	0.0554	3.118
	1	1	5.83E-05	0.100	3.118
	1	2	1.98E-05	0.070	2.119
1.05E 3	0	0	0.0304	2.800	8.766
	0	1	0.0108	0.0566	3.115
	1	1	2.07E-04	0.100	3.115
	1	2	7.05E-05	0.070	2.117
5.25E 3	0	0	0.0680	2.777	8.708
	0	1	0.0242	0.0655	3.094
	1	1	0.00228	0.110	3.094
	1	2	7.75E-04	0.070	2.103

MATERIAL Pu 239

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
10.5E 3	0	0	0.0962	2.754	8.636
	0	1	0.0342	0.0784	3.069
	1	1	0.00632	0.120	3.069
	1	2	0.00215	0.080	2.085
30.0E 3	0	0	0.1626	2.670	8.374
	0	1	0.0579	0.143	2.976
	1	1	0.02845	0.320	2.976
	1	2	0.00967	0.220	2.022
50.0E 3	0	0	0.2100	2.587	8.114
	0	1	0.0747	0.229	2.883
	1	1	0.0572	0.740	2.883
	1	2	0.0194	0.500	1.959
100.0E 3	0	0	0.297	2.390	7.500
	0	1	0.106	0.377	2.665
	1	1	0.1390	1.000	2.665
	1	2	0.0472	0.680	1.811

MATERIAL Pu 239

E (eV)	l	J	$\overline{\Gamma}_n$ (eV)	$\overline{\Gamma}_f$ (eV)	$\overline{D}$ (eV)
150.0E 3	0	0	0.364	2.208	6.934
	0	1	0.129	0.386	2.464
	1	1	0.224	1.000	2.464
	1	2	0.076	0.680	1.674
200.0E 3	0	0	0.420	2.039	6.413
	0	1	0.149	0.361	2.279
	1	1	0.307	1.000	2.279
	1	2	0.104	0.680	1.548
250.0E 3	0	0	0.470	1.883	5.932
	0	1	0.167	0.334	2.108
	1	1	0.386	1.000	2.108
	1	2	0.131	0.680	1.432

Neutron cross sections and related neutron nuclear data

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	130.00000	128.34000	90.34300	1.66000	0.0	0.0	0.0	1.66000
1.5000E-3	22.6204	109.50000	108.14500	75.73700	1.35500	0.0	0.0	0.0	1.35500
2.0000E-3	22.3327	96.70000	95.52600	66.55200	1.17400	0.0	0.0	0.0	1.17400
2.5000E-3	22.1096	87.70000	86.65000	60.07600	1.05000	0.0	0.0	0.0	1.05000
3.0000E-3	21.9272	80.90000	79.94200	55.13500	0.95800	0.0	0.0	0.0	0.95800
4.0000E-3	21.6396	71.30000	70.47000	48.14400	0.83000	0.0	0.0	0.0	0.83000
5.0000E-3	21.4164	64.00000	63.25800	42.79600	0.74200	0.0	0.0	0.0	0.74200
6.0000E-3	21.2341	59.40000	58.72200	39.36400	0.67800	0.0	0.0	0.0	0.67800
7.0000E-3	21.0799	55.70000	55.07300	36.56800	0.62700	0.0	0.0	0.0	0.62700
8.0000E-3	20.9464	52.90000	52.31300	34.41800	0.58700	0.0	0.0	0.0	0.58700
9.0000E-3	20.8286	50.70000	50.14700	32.67200	0.55300	0.0	0.0	0.0	0.55300
10.0000E-3	20.7233	48.40300	47.87800	30.92800	0.52500	0.0	0.0	0.0	0.52500
15.0000E-3	20.3178	42.05300	41.62400	25.69500	0.42900	0.0	0.0	0.0	0.42900
20.0000E-3	20.0301	38.00200	37.63100	22.31000	0.37100	0.0	0.0	0.0	0.37100
25.3000E-3	19.7950	35.83000	35.50000	20.21000	0.33000	0.0	0.0	0.0	0.33000
31.0000E-3	19.5919	33.79800	33.50000	18.52200	0.29800	0.0	0.0	0.0	0.29800
44.0000E-3	19.2417	31.25000	31.00000	16.18400	0.25000	0.0	0.0	0.0	0.25000
62.0000E-3	18.8987	28.21100	28.00000	13.84700	0.21100	0.0	0.0	0.0	0.21100
88.0000E-3	18.5485	26.67700	26.50000	12.60500	0.17700	0.0	0.0	0.0	0.17700
125.0000E-3	18.1975	25.64900	25.50000	11.75100	0.14900	0.0	0.0	0.0	0.14900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	1.66000	0.30900	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	1.35500	0.31220	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	1.17400	0.31560	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	1.05000	0.31880	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.95800	0.32230	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.83000	0.32860	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.74200	0.33520	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.67800	0.34120	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.62700	0.34740	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.58700	0.35330	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.55300	0.35950	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.52500	0.36500	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	0.42900	0.39300	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.37100	0.41700	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.33000	0.44000	0.0	0.0	0.0	0.0
31.0000E-3	19.5919	0.0	0.0	0.29800	0.45600	0.0	0.0	0.0	0.0
44.0000E-3	19.2417	0.0	0.0	0.25000	0.48600	0.0	0.0	0.0	0.0
62.0000E-3	18.8987	0.0	0.0	0.21100	0.51300	0.0	0.0	0.0	0.0
88.0000E-3	18.5485	0.0	0.0	0.17700	0.53100	0.0	0.0	0.0	0.0
125.0000E-3	18.1975	0.0	0.0	0.14900	0.54500	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
177.0000E-3	17.8497	24.32500	24.20000	10.77300	0.12500	0.0	0.0	0.0	0.12500
250.0000E-3	17.5044	23.10500	23.00000	9.99500	0.10500	0.0	0.0	0.0	0.10500
353.0000E-3	17.1594	22.48800	22.40000	9.27200	0.08800	0.0	0.0	0.0	0.08800
500.0000E-3	16.8112	22.07400	22.00000	8.69800	0.07400	0.0	0.0	0.0	0.07400
707.0000E-3	16.4648	21.56200	21.50000	7.93100	0.06200	0.0	0.0	0.0	0.06200
1.0000E00	16.1181	21.05200	21.00000	7.10800	0.05200	0.0	0.0	0.0	0.05200
3.0000E00	15.0195	20.86400	20.83400	6.96800	0.03000	0.0	0.0	0.0	0.03000
5.0000E00	14.5087	20.78200	20.75800	6.93600	0.02400	0.0	0.0	0.0	0.02400
7.0000E00	14.1722	20.72600	20.70600	6.91500	0.02000	0.0	0.0	0.0	0.02000
10.0000E00	13.8155	20.66600	20.64900	6.89300	0.01700	0.0	0.0	0.0	0.01700
30.0000E00	12.7169	20.48600	20.47600	6.82900	0.01000	0.0	0.0	0.0	0.01000
50.0000E00	12.2061	20.40000	20.39300	6.79800	0.00700	0.0	0.0	0.0	0.00700
70.0000E00	11.8696	20.34400	20.33800	6.77900	0.00600	0.0	0.0	0.0	0.00600
100.0000E00	11.5129	20.28500	20.28000	6.75800	0.00500	0.0	0.0	0.0	0.00500
300.0000E00	10.4143	20.05600	20.05300	6.68100	0.00300	0.0	0.0	0.0	0.00300
500.0000E00	9.9035	19.95200	19.95000	6.64500	0.00200	0.0	0.0	0.0	0.00200
700.0000E00	9.5670	19.88200	19.88000	6.62200	0.00200	0.0	0.0	0.0	0.00200
1.0000E 3	9.2103	19.80700	19.80500	6.59700	0.00200	0.0	0.0	0.0	0.00200
3.0000E 3	8.1117	19.52000	19.51900	6.50100	0.00100	0.0	0.0	0.0	0.00100
5.0000E 3	7.6009	19.34100	19.34000	6.44100	0.00100	0.0	0.0	0.0	0.00100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
177.0000E-3	17.8497	0.0	0.0	0.12500	0.56000	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.10500	0.57000	0.0	0.0	0.0	0.0
353.0000E-3	17.1594	0.0	0.0	0.08800	0.59000	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.07400	0.60800	0.0	0.0	0.0	0.0
707.0000E-3	16.4648	0.0	0.0	0.06200	0.63400	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.05200	0.66400	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.03000	0.66700	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.02400	0.66700	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.02000	0.66700	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.01700	0.66700	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.01000	0.66700	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.00700	0.66700	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.00600	0.66700	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.00500	0.66700	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.00300	0.66700	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.0000E 3	7.2644	19.18700	19.18600	6.39000	0.00100	0.0	0.0	0.0	0.00100
10.0000E 3	6.9078	19.11000	19.10900	6.36400	0.00100	0.0	0.0	0.0	0.00100
14.0000E 3	6.5713	18.62000	18.62000	6.20600	0.0	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	17.96000	17.96000	5.98600	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	17.10000	17.10000	5.69900	0.0	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	16.03000	16.03000	5.34300	0.0	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	14.73000	14.73000	4.91000	0.0	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	13.25000	13.25000	4.41600	0.0	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	11.65000	11.65000	3.88300	0.0	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	10.00300	10.00300	3.33400	0.0	0.0	0.0	0.0	0.0
261.0000E 3	3.6458	8.47500	8.47500	2.82500	0.0	0.0	0.0	0.0	0.0
376.0000E 3	3.2808	7.07200	7.07200	2.35700	0.0	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	5.85700	5.85700	1.95200	0.0	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	4.83400	4.83400	1.61100	0.0	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	3.98200	3.98200	1.32700	0.0	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	3.26800	3.26800	1.08900	0.0	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	2.66100	2.66100	0.88700	0.0	0.0	0.0	0.0	0.0
3.3100E 6	1.1056	2.13400	2.13400	0.71100	0.0	0.0	0.0	0.0	0.0
4.7500E 6	0.7444	1.67500	1.67500	0.55800	0.0	0.0	0.0	0.0	0.0
6.8300E 6	0.3813	1.29200	1.29200	0.43000	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.0000E 3	7.2644	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
14.0000E 3	6.5713	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
261.0000E 3	3.6458	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
376.0000E 3	3.2808	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
3.3100E 6	1.1056	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
4.7500E 6	0.7444	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
6.8300E 6	0.3813	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.0000E 6	0.2231	1.13600	1.13600	0.37800	0.0	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	1.02900	1.02900	0.34300	0.0	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.94100	0.94100	0.31300	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.0000E 6	0.2231	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	94.00000	92.34000	88.55200	1.66000	0.0	0.0	0.0	1.66000
1.5000E-3	22.6204	90.35000	88.99500	84.83200	1.35500	0.0	0.0	0.0	1.35500
2.0000E-3	22.3327	87.70000	86.52600	82.16200	1.17400	0.0	0.0	0.0	1.17400
2.5000E-3	22.1096	85.30000	84.25000	79.65500	1.05000	0.0	0.0	0.0	1.05000
3.0000E-3	21.9272	83.30000	82.34200	77.53600	0.95800	0.0	0.0	0.0	0.95800
4.0000E-3	21.6396	80.10000	79.27000	74.15500	0.83000	0.0	0.0	0.0	0.83000
5.0000E-3	21.4164	77.70000	76.95800	71.54300	0.74200	0.0	0.0	0.0	0.74200
6.0000E-3	21.2341	75.40000	74.72200	69.04900	0.67800	0.0	0.0	0.0	0.67800
7.0000E-3	21.0799	73.30000	72.67300	66.75900	0.62700	0.0	0.0	0.0	0.62700
8.0000E-3	20.9464	71.30000	70.71300	64.58200	0.58700	0.0	0.0	0.0	0.58700
9.0000E-3	20.8286	69.70000	69.14700	62.78500	0.55300	0.0	0.0	0.0	0.55300
10.0000E-3	20.7233	68.11800	67.59300	61.02100	0.52500	0.0	0.0	0.0	0.52500
15.0000E-3	20.3178	62.04300	61.61400	53.84800	0.42900	0.0	0.0	0.0	0.42900
20.0000E-3	20.0301	56.20200	55.83100	47.26900	0.37100	0.0	0.0	0.0	0.37100
25.3000E-3	19.7950	51.04500	50.71500	41.56100	0.33000	0.0	0.0	0.0	0.33000
31.0000E-3	19.5919	47.14200	46.84400	37.21100	0.29800	0.0	0.0	0.0	0.29800
44.0000E-3	19.2417	41.39600	41.14600	30.53300	0.25000	0.0	0.0	0.0	0.25000
62.0000E-3	18.8987	37.39600	37.18500	26.31500	0.21100	0.0	0.0	0.0	0.21100
88.0000E-3	18.5485	34.07600	33.89900	22.95700	0.17700	0.0	0.0	0.0	0.17700
125.0000E-3	18.1975	31.11100	30.96200	19.87200	0.14900	0.0	0.0	0.0	0.14900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	1.66000	0.05900	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	1.35500	0.06200	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	1.17400	0.06400	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	1.05000	0.06700	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.95800	0.07000	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.83000	0.07500	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.74200	0.08000	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.67800	0.08500	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.62700	0.09000	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.58700	0.09500	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.55300	0.10000	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.52500	0.10500	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	0.42900	0.13300	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.37100	0.16000	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.33000	0.18700	0.0	0.0	0.0	0.0
31.0000E-3	19.5919	0.0	0.0	0.29800	0.21200	0.0	0.0	0.0	0.0
44.0000E-3	19.2417	0.0	0.0	0.25000	0.26400	0.0	0.0	0.0	0.0
62.0000E-3	18.8987	0.0	0.0	0.21100	0.29800	0.0	0.0	0.0	0.0
88.0000E-3	18.5485	0.0	0.0	0.17700	0.32800	0.0	0.0	0.0	0.0
125.0000E-3	18.1975	0.0	0.0	0.14900	0.36300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
177.0000E-3	17.8497	28.42600	28.30100	17.36000	0.12500	0.0	0.0	0.0	0.12500
250.0000E-3	17.5044	26.04600	25.94100	15.17700	0.10500	0.0	0.0	0.0	0.10500
353.0000E-3	17.1594	23.65000	23.56200	12.92900	0.08800	0.0	0.0	0.0	0.08800
500.0000E-3	16.8112	22.07400	22.00000	11.42600	0.07400	0.0	0.0	0.0	0.07400
707.0000E-3	16.4648	21.56200	21.50000	10.46800	0.06200	0.0	0.0	0.0	0.06200
1.0000E00	16.1181	21.05200	21.00000	9.46000	0.05200	0.0	0.0	0.0	0.05200
3.0000E00	15.0195	20.86400	20.83400	7.63400	0.03000	0.0	0.0	0.0	0.03000
5.0000E00	14.5087	20.78200	20.75800	6.93600	0.02400	0.0	0.0	0.0	0.02400
7.0000E00	14.1722	20.72600	20.70600	6.91500	0.02000	0.0	0.0	0.0	0.02000
10.0000E00	13.8155	20.66600	20.64900	6.89300	0.01700	0.0	0.0	0.0	0.01700
30.0000E00	12.7169	20.48600	20.47600	6.82900	0.01000	0.0	0.0	0.0	0.01000
50.0000E00	12.2061	20.40000	20.39300	6.79800	0.00700	0.0	0.0	0.0	0.00700
70.0000E00	11.8696	20.34400	20.33800	6.77900	0.00600	0.0	0.0	0.0	0.00600
100.0000E00	11.5129	20.28500	20.28000	6.75800	0.00500	0.0	0.0	0.0	0.00500
300.0000E00	10.4143	20.05600	20.05300	6.68100	0.00300	0.0	0.0	0.0	0.00300
500.0000E00	9.9035	19.95200	19.95000	6.64500	0.00200	0.0	0.0	0.0	0.00200
700.0000E00	9.5670	19.88200	19.88000	6.62200	0.00200	0.0	0.0	0.0	0.00200
1.0000E 3	9.2103	19.80700	19.80500	6.59700	0.00200	0.0	0.0	0.0	0.00200
3.0000E 3	8.1117	19.52000	19.51900	6.50100	0.00100	0.0	0.0	0.0	0.00100
5.0000E 3	7.6009	19.34100	19.34000	6.44100	0.00100	0.0	0.0	0.0	0.00100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
177.0000E-3	17.8497	0.0	0.0	0.12500	0.39100	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.10500	0.41900	0.0	0.0	0.0	0.0
353.0000E-3	17.1594	0.0	0.0	0.08800	0.45500	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.07400	0.48400	0.0	0.0	0.0	0.0
707.0000E-3	16.4648	0.0	0.0	0.06200	0.51600	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.05200	0.55200	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.03000	0.63500	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.02400	0.66700	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.02000	0.66700	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.01700	0.66700	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.01000	0.66700	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.00700	0.66700	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.00600	0.66700	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.00500	0.66700	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.00300	0.66700	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.00200	0.66700	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.0000E 3	7.2644	19.18700	19.18600	6.39000	0.00100	0.0	0.0	0.0	0.00100
10.0000E 3	6.9078	19.11000	19.10900	6.36400	0.00100	0.0	0.0	0.0	0.00100
14.0000E 3	6.5713	18.62000	18.62000	6.20600	0.0	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	17.96000	17.96000	5.98600	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	17.10000	17.10000	5.69900	0.0	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	16.03000	16.03000	5.34300	0.0	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	14.73000	14.73000	4.91000	0.0	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	13.25000	13.25000	4.41600	0.0	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	11.65000	11.65000	3.88300	0.0	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	10.00300	10.00300	3.33400	0.0	0.0	0.0	0.0	0.0
261.0000E 3	3.6458	8.47500	8.47500	2.82500	0.0	0.0	0.0	0.0	0.0
376.0000E 3	3.2808	7.07200	7.07200	2.35700	0.0	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	5.85700	5.85700	1.95200	0.0	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	4.83400	4.83400	1.61100	0.0	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	3.98200	3.98200	1.32700	0.0	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	3.26800	3.26800	1.08900	0.0	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	2.66100	2.66100	0.88700	0.0	0.0	0.0	0.0	0.0
3.3100E 6	1.1056	2.13400	2.13400	0.71100	0.0	0.0	0.0	0.0	0.0
4.7500E 6	0.7444	1.67500	1.67500	0.55800	0.0	0.0	0.0	0.0	0.0
6.8300E 6	0.3813	1.29200	1.29200	0.43000	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.0000E 3	7.2644	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.00100	0.66700	0.0	0.0	0.0	0.0
14.0000E 3	6.5713	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
261.0000E 3	3.6458	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
376.0000E 3	3.2808	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
3.3100E 6	1.1056	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
4.7500E 6	0.7444	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
6.8300E 6	0.3813	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.0000E 6	0.2231	1.13600	1.13600	0.37800	0.0	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	1.02900	1.02900	0.34300	0.0	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.94100	0.94100	0.31300	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.0000E 6	0.2231	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.0	0.0	0.0	0.66700	0.0	0.0	0.0	0.0

MATERIAL HE 3 HE 3-CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	0.0	0.0	0.0	0.0	0.0	26635.00000	0.0	26635.00000
1.5000E-3	22.6204	0.0	0.0	0.0	0.0	0.0	21747.30000	0.0	21747.30000
2.0000E-3	22.3327	0.0	0.0	0.0	0.0	0.0	18833.96000	0.0	18833.96000
2.5000E-3	22.1096	0.0	0.0	0.0	0.0	0.0	16845.47000	0.0	16845.47000
3.0000E-3	21.9272	0.0	0.0	0.0	0.0	0.0	15377.82000	0.0	15377.82000
4.0000E-3	21.6396	0.0	0.0	0.0	0.0	0.0	13317.53000	0.0	13317.53000
5.0000E-3	21.4164	0.0	0.0	0.0	0.0	0.0	11911.50000	0.0	11911.50000
6.0000E-3	21.2341	0.0	0.0	0.0	0.0	0.0	10873.67000	0.0	10873.67000
7.0000E-3	21.0799	0.0	0.0	0.0	0.0	0.0	10067.09000	0.0	10067.09000
8.0000E-3	20.9464	0.0	0.0	0.0	0.0	0.0	9416.87000	0.0	9416.87000
9.0000E-3	20.8286	0.0	0.0	0.0	0.0	0.0	8878.32000	0.0	8878.32000
10.0000E-3	20.7233	0.0	0.0	0.0	0.0	0.0	8422.73700	0.0	8422.73700
20.0000E-3	20.0301	0.0	0.0	0.0	0.0	0.0	5955.78900	0.0	5955.78900
25.3000E-3	19.7950	0.0	0.0	0.0	0.0	0.0	5327.00000	0.0	5327.00000
30.0000E-3	19.6247	0.0	0.0	0.0	0.0	0.0	4862.87100	0.0	4862.87100
50.0000E-3	19.1138	0.0	0.0	0.0	0.0	0.0	3766.75900	0.0	3766.75900
70.0000E-3	18.7774	0.0	0.0	0.0	0.0	0.0	3183.49700	0.0	3183.49700
100.0000E-3	18.4207	0.0	0.0	0.0	0.0	0.0	2663.50000	0.0	2663.50000
200.0000E-3	17.7275	0.0	0.0	0.0	0.0	0.0	1883.39600	0.0	1883.39600
300.0000E-3	17.3221	0.0	0.0	0.0	0.0	0.0	1537.78200	0.0	1537.78200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
500.0000E-3	16.8112	0.0	0.0	0.0	0.0	0.0	1191.15000	0.0	1191.15000
700.0000E-3	16.4748	0.0	0.0	0.0	0.0	0.0	1006.70900	0.0	1006.70900
1.0000E00	16.1181	0.0	0.0	0.0	0.0	0.0	842.27400	0.0	842.27400
2.0000E00	15.4249	0.0	0.0	0.0	0.0	0.0	595.15800	0.0	595.15800
3.0000E00	15.0195	0.0	0.0	0.0	0.0	0.0	485.86400	0.0	485.86400
5.0000E00	14.5087	0.0	0.0	0.0	0.0	0.0	376.24900	0.0	376.24900
7.0000E00	14.1722	0.0	0.0	0.0	0.0	0.0	317.92000	0.0	317.92000
10.0000E00	13.8155	0.0	0.0	0.0	0.0	0.0	265.91800	0.0	265.91800
20.0000E00	13.1224	0.0	0.0	0.0	0.0	0.0	187.89900	0.0	187.89900
30.0000E00	12.7169	0.0	0.0	0.0	0.0	0.0	153.33200	0.0	153.33200
50.0000E00	12.2061	0.0	0.0	0.0	0.0	0.0	118.65900	0.0	118.65900
70.0000E00	11.8696	0.0	0.0	0.0	0.0	0.0	100.20700	0.0	100.20700
100.0000E00	11.5129	0.0	0.0	0.0	0.0	0.0	83.75300	0.0	83.75300
200.0000E00	10.8198	0.0	0.0	0.0	0.0	0.0	59.05900	0.0	59.05900
300.0000E00	10.4143	0.0	0.0	0.0	0.0	0.0	48.11100	0.0	48.11100
500.0000E00	9.9035	0.0	0.0	0.0	0.0	0.0	37.11900	0.0	37.11900
700.0000E00	9.5670	0.0	0.0	0.0	0.0	0.0	31.26400	0.0	31.26400
1.0000E 3	9.2103	0.0	0.0	0.0	0.0	0.0	26.03300	0.0	26.03300
2.0000E 3	8.5172	0.0	0.0	0.0	0.0	0.0	18.16000	0.0	18.16000
3.0000E 3	8.1117	0.0	0.0	0.0	0.0	0.0	14.65000	0.0	14.65000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
500.0000E-3	16.8112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MATERIAL HE 3 HE 3-CS- 3

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.0000E 3	7.6009	0.0	0.0	0.0	0.0	0.0	11.10500	0.0	11.10500
7.0000E 3	7.2644	0.0	0.0	0.0	0.0	0.0	9.20000	0.0	9.20000
10.0000E 3	6.9078	0.0	0.0	0.0	0.0	0.0	7.48600	0.0	7.48600
20.0000E 3	6.2146	0.0	0.0	0.0	0.0	0.0	5.07500	0.0	5.07500
30.0000E 3	5.8091	0.0	0.0	0.0	0.0	0.0	4.02000	0.0	4.02000
50.0000E 3	5.2983	0.0	0.0	0.0	0.0	0.0	2.95900	0.0	2.95900
70.0000E 3	4.9618	0.0	0.0	0.0	0.0	0.0	2.40800	0.0	2.40800
100.0000E 3	4.6052	0.0	0.0	0.0	0.0	0.0	1.91000	0.0	1.91000
200.0000E 3	3.9120	0.0	0.0	0.0	0.0	0.0	1.27500	0.0	1.27500
300.0000E 3	3.5066	0.0	0.0	0.0	0.0	0.0	1.00700	0.0	1.00700
400.0000E 3	3.2189	0.0	0.0	0.0	0.0	0.0	0.88900	0.0	0.88900
500.0000E 3	2.9957	0.0	0.0	0.0	0.0	0.0	0.83000	0.0	0.83000
600.0000E 3	2.8134	0.0	0.0	0.0	0.0	0.0	0.79100	0.0	0.79100
700.0000E 3	2.6593	0.0	0.0	0.0	0.0	0.0	0.76600	0.0	0.76600
800.0000E 3	2.5257	0.0	0.0	0.0	0.0	0.0	0.76000	0.0	0.76000
900.0000E 3	2.4079	0.0	0.0	0.0	0.0	0.0	0.77000	0.0	0.77000
1.0000E 6	2.3026	0.0	0.0	0.0	0.0	0.0	0.79600	0.0	0.79600
1.2000E 6	2.1203	0.0	0.0	0.0	0.0	0.0	0.86200	0.0	0.86200
1.4000E 6	1.9661	0.0	0.0	0.0	0.0	0.0	0.90000	0.0	0.90000
1.6000E 6	1.8326	0.0	0.0	0.0	0.0	0.0	0.91500	0.0	0.91500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.0000E 3	7.6009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MATERIAL HE 3 HE 3-CS- 4

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.8000E 6	1.7148	0.0	0.0	0.0	0.0	0.0	0.90900	0.0	0.90900
2.0000E 6	1.6094	0.0	0.0	0.0	0.0	0.0	0.88800	0.0	0.88800
2.2000E 6	1.5141	0.0	0.0	0.0	0.0	0.0	0.85000	0.0	0.85000
2.4000E 6	1.4271	0.0	0.0	0.0	0.0	0.0	0.80700	0.0	0.80700
2.6000E 6	1.3471	0.0	0.0	0.0	0.0	0.0	0.76200	0.0	0.76200
2.8000E 6	1.2730	0.0	0.0	0.0	0.0	0.0	0.71400	0.0	0.71400
3.0000E 6	1.2040	0.0	0.0	0.0	0.0	0.0	0.67000	0.0	0.67000
3.5000E 6	1.0498	0.0	0.0	0.0	0.0	0.0	0.56400	0.0	0.56400
4.0000E 6	0.9163	0.0	0.0	0.0	0.0	0.0	0.47200	0.0	0.47200
4.5000E 6	0.7985	0.0	0.0	0.0	0.0	0.0	0.40500	0.0	0.40500
5.0000E 6	0.6931	0.0	0.0	0.0	0.0	0.0	0.35500	0.0	0.35500
5.5000E 6	0.5978	0.0	0.0	0.0	0.0	0.0	0.31600	0.0	0.31600
6.0000E 6	0.5108	0.0	0.0	0.0	0.0	0.0	0.28500	0.0	0.28500
7.0000E 6	0.3567	0.0	0.0	0.0	0.0	0.0	0.23500	0.0	0.23500
8.0000E 6	0.2231	0.0	0.0	0.0	0.0	0.0	0.20000	0.0	0.20000
9.0000E 6	0.1054	0.0	0.0	0.0	0.0	0.0	0.17200	0.0	0.17200
10.0000E 6	0.0000	0.0	0.0	0.0	0.0	0.0	0.15100	0.0	0.15100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.8000E 6	1.7148	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.5000E 6	0.7985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.0000E 6	0.2231	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MATERIAL HE 4 HE 4-CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
500.0000E-3	16.8112	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.72380	0.72380	0.60320	0.0	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.72370	0.72370	0.60310	0.0	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.72370	0.72370	0.60310	0.0	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.72370	0.72370	0.60310	0.0	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.72360	0.72360	0.60300	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
500.0000E-3	16.8112	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0

MATERIAL HE 4 HE 4-CS- 3

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.0000E 3	7.6009	0.72360	0.72360	0.60300	0.0	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.72350	0.72350	0.60290	0.0	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.72350	0.72350	0.60289	0.0	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.72340	0.72340	0.61800	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.72360	0.72360	0.63286	0.0	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.72490	0.72490	0.65669	0.0	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.72570	0.72570	0.67969	0.0	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.73380	0.73380	0.72155	0.0	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.78280	0.78280	0.88574	0.0	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.90530	0.90530	1.13941	0.0	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	1.09600	1.09600	1.43587	0.0	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	1.44500	1.44500	1.89757	0.0	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	2.00700	2.00700	2.53725	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	2.85300	2.85300	3.38537	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	4.00000	4.00000	4.39560	0.0	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	4.91500	4.91500	5.11307	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	5.79500	5.79500	5.74053	0.0	0.0	0.0	0.0	0.0
950.0000E 3	2.3539	6.49000	6.49000	6.15512	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	6.96200	6.96200	6.35839	0.0	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	7.30700	7.30700	6.43601	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.0000E 3	7.6009	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.0	0.16670	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.0	0.14570	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.12540	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.0	0.09410	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.0	0.06340	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.0	0.01670	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.0	-0.13150	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.0	-0.25860	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.0	-0.31010	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.0	-0.31320	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.0	0.0	0.0	-0.26420	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	-0.18660	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	-0.09890	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.0	0.0	0.0	-0.04030	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.00940	0.0	0.0	0.0	0.0
950.0000E 3	2.3539	0.0	0.0	0.0	0.05160	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.08670	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.0	0.0	0.0	0.11920	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1000E 6	2.2073	7.58200	7.58200	6.41361	0.0	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	7.68200	7.68200	6.30846	0.0	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	7.69900	7.69900	6.19770	0.0	0.0	0.0	0.0	0.0
1.1700E 6	2.1456	7.64600	7.64600	6.02887	0.0	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	7.50000	7.50000	5.73300	0.0	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	7.21000	7.21000	5.30296	0.0	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	6.87800	6.87800	4.94391	0.0	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	6.56400	6.56400	4.62762	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	6.26400	6.26400	4.33657	0.0	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	5.98200	5.98200	4.07015	0.0	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	5.71900	5.71900	3.82658	0.0	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	5.24500	5.24500	3.40663	0.0	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	4.84200	4.84200	3.06402	0.0	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	4.49400	4.49400	2.77325	0.0	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	4.21200	4.21200	2.54700	0.0	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	3.97200	3.97200	2.35142	0.0	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	3.77600	3.77600	2.20783	0.0	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	3.61000	3.61000	2.08550	0.0	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	3.45900	3.45900	1.97682	0.0	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	3.33400	3.33400	1.88671	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1000E 6	2.2073	0.0	0.0	0.0	0.15410	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	0.0	0.0	0.0	0.17880	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	0.0	0.0	0.0	0.19500	0.0	0.0	0.0	0.0
1.1700E 6	2.1456	0.0	0.0	0.0	0.21150	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.0	0.0	0.0	0.23560	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.0	0.0	0.0	0.26450	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.0	0.0	0.0	0.28120	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.0	0.0	0.0	0.29500	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.0	0.0	0.0	0.30770	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.0	0.0	0.0	0.31960	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.0	0.0	0.0	0.33090	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.35050	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	0.0	0.0	0.0	0.36720	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.0	0.0	0.0	0.38290	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.0	0.0	0.0	0.39530	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.0	0.0	0.0	0.40800	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.0	0.0	0.0	0.41530	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.0	0.0	0.0	0.42230	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.0	0.0	0.0	0.42850	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.0	0.0	0.0	0.43410	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5000E 6	1.3863	3.22900	3.22900	1.81082	0.0	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	3.13200	3.13200	1.74264	0.0	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	3.04600	3.04600	1.68170	0.0	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	2.96700	2.96700	1.62681	0.0	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	2.89600	2.89600	1.57832	0.0	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	2.83200	2.83200	1.53240	0.0	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	2.73000	2.73000	1.46437	0.0	0.0	0.0	0.0	0.0
3.4000E 6	1.0788	2.64100	2.64100	1.40448	0.0	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	2.56800	2.56800	1.35462	0.0	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	2.50700	2.50700	1.31241	0.0	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	2.44500	2.44500	1.27042	0.0	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	2.39600	2.39600	1.23514	0.0	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	2.34700	2.34700	1.20026	0.0	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	2.30200	2.30200	1.16827	0.0	0.0	0.0	0.0	0.0
4.8000E 6	0.7340	2.26100	2.26100	1.13954	0.0	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	2.22300	2.22300	1.11194	0.0	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	2.18800	2.18800	1.08744	0.0	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	2.15500	2.15500	1.06414	0.0	0.0	0.0	0.0	0.0
5.6000E 6	0.5798	2.12800	2.12800	1.04378	0.0	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	2.10100	2.10100	1.02424	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5000E 6	1.3863	0.0	0.0	0.0	0.43920	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	0.0	0.0	0.0	0.44360	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	0.0	0.0	0.0	0.44790	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.0	0.0	0.0	0.45170	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	0.0	0.0	0.0	0.45500	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	0.0	0.0	0.0	0.45890	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	0.0	0.0	0.0	0.46360	0.0	0.0	0.0	0.0
3.4000E 6	1.0788	0.0	0.0	0.0	0.46820	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	0.0	0.0	0.0	0.47250	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	0.0	0.0	0.0	0.47650	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	0.0	0.0	0.0	0.48040	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	0.0	0.0	0.0	0.48450	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	0.0	0.0	0.0	0.48860	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	0.0	0.0	0.0	0.49250	0.0	0.0	0.0	0.0
4.8000E 6	0.7340	0.0	0.0	0.0	0.49600	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	0.0	0.0	0.0	0.49980	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	0.0	0.0	0.0	0.50300	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	0.0	0.0	0.0	0.50620	0.0	0.0	0.0	0.0
5.6000E 6	0.5798	0.0	0.0	0.0	0.50950	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	0.0	0.0	0.0	0.51250	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.0000E 6	0.5108	2.07600	2.07600	1.00603	0.0	0.0	0.0	0.0	0.0
6.2000E 6	0.4780	2.04700	2.04700	0.98624	0.0	0.0	0.0	0.0	0.0
6.4000E 6	0.4463	2.01500	2.01500	0.96519	0.0	0.0	0.0	0.0	0.0
6.6000E 6	0.4155	1.98300	1.98300	0.94470	0.0	0.0	0.0	0.0	0.0
6.8000E 6	0.3857	1.94800	1.94800	0.92296	0.0	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	1.91000	1.91000	0.90037	0.0	0.0	0.0	0.0	0.0
7.2000E 6	0.3285	1.87100	1.87100	0.87750	0.0	0.0	0.0	0.0	0.0
7.4000E 6	0.3011	1.83200	1.83200	0.85481	0.0	0.0	0.0	0.0	0.0
7.6000E 6	0.2744	1.79600	1.79600	0.83424	0.0	0.0	0.0	0.0	0.0
7.8000E 6	0.2485	1.76100	1.76100	0.81376	0.0	0.0	0.0	0.0	0.0
8.0000E 6	0.2231	1.72800	1.72800	0.79488	0.0	0.0	0.0	0.0	0.0
8.2000E 6	0.1985	1.69500	1.69500	0.77631	0.0	0.0	0.0	0.0	0.0
8.4000E 6	0.1744	1.66300	1.66300	0.75816	0.0	0.0	0.0	0.0	0.0
8.6000E 6	0.1508	1.63300	1.63300	0.74138	0.0	0.0	0.0	0.0	0.0
8.8000E 6	0.1278	1.60200	1.60200	0.72426	0.0	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	1.57400	1.57400	0.70877	0.0	0.0	0.0	0.0	0.0
9.2000E 6	0.0834	1.54700	1.54700	0.69398	0.0	0.0	0.0	0.0	0.0
9.4000E 6	0.0619	1.52000	1.52000	0.67914	0.0	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	1.49500	1.49500	0.66557	0.0	0.0	0.0	0.0	0.0
9.8000E 6	0.0202	1.47000	1.47000	0.65195	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.0000E 6	0.5108	0.0	0.0	0.0	0.51540	0.0	0.0	0.0	0.0
6.2000E 6	0.4780	0.0	0.0	0.0	0.51820	0.0	0.0	0.0	0.0
6.4000E 6	0.4463	0.0	0.0	0.0	0.52100	0.0	0.0	0.0	0.0
6.6000E 6	0.4155	0.0	0.0	0.0	0.52360	0.0	0.0	0.0	0.0
6.8000E 6	0.3857	0.0	0.0	0.0	0.52620	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	0.0	0.0	0.0	0.52860	0.0	0.0	0.0	0.0
7.2000E 6	0.3285	0.0	0.0	0.0	0.53100	0.0	0.0	0.0	0.0
7.4000E 6	0.3011	0.0	0.0	0.0	0.53340	0.0	0.0	0.0	0.0
7.6000E 6	0.2744	0.0	0.0	0.0	0.53550	0.0	0.0	0.0	0.0
7.8000E 6	0.2485	0.0	0.0	0.0	0.53790	0.0	0.0	0.0	0.0
8.0000E 6	0.2231	0.0	0.0	0.0	0.54000	0.0	0.0	0.0	0.0
8.2000E 6	0.1985	0.0	0.0	0.0	0.54200	0.0	0.0	0.0	0.0
8.4000E 6	0.1744	0.0	0.0	0.0	0.54410	0.0	0.0	0.0	0.0
8.6000E 6	0.1508	0.0	0.0	0.0	0.54600	0.0	0.0	0.0	0.0
8.8000E 6	0.1278	0.0	0.0	0.0	0.54790	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.0	0.0	0.0	0.54970	0.0	0.0	0.0	0.0
9.2000E 6	0.0834	0.0	0.0	0.0	0.55140	0.0	0.0	0.0	0.0
9.4000E 6	0.0619	0.0	0.0	0.0	0.55320	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	0.0	0.0	0.0	0.55480	0.0	0.0	0.0	0.0
9.8000E 6	0.0202	0.0	0.0	0.0	0.55650	0.0	0.0	0.0	0.0

MATERIAL HE 4

HE 4-CS- 7

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.0000E 6	0.0000	1.44600	1.44600	0.63928	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.0000E 6	0.0000	0.0	0.0	0.0	0.55790	0.0	0.0	0.0	0.0

MATERIAL C 12 C 12-CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	4.71000	4.69125	4.44917	0.01875	0.0	0.0	0.0	0.01875
1.5000E-3	22.6204	4.71000	4.69469	4.44898	0.01531	0.0	0.0	0.0	0.01531
2.0000E-3	22.3327	4.71000	4.69674	4.44886	0.01326	0.0	0.0	0.0	0.01326
2.5000E-3	22.1096	4.71000	4.69814	4.44878	0.01186	0.0	0.0	0.0	0.01186
3.0000E-3	21.9272	4.71000	4.69917	4.44873	0.01083	0.0	0.0	0.0	0.01083
4.0000E-3	21.6396	4.71000	4.70062	4.44865	0.00938	0.0	0.0	0.0	0.00938
5.0000E-3	21.4164	4.71000	4.70161	4.44859	0.00839	0.0	0.0	0.0	0.00839
6.0000E-3	21.2341	4.71000	4.70234	4.44855	0.00766	0.0	0.0	0.0	0.00766
7.0000E-3	21.0799	4.71000	4.70291	4.44852	0.00709	0.0	0.0	0.0	0.00709
8.0000E-3	20.9464	4.71000	4.70337	4.44849	0.00663	0.0	0.0	0.0	0.00663
9.0000E-3	20.8286	4.71000	4.70375	4.44847	0.00625	0.0	0.0	0.0	0.00625
10.0000E-3	20.7233	4.71000	4.70407	4.44845	0.00593	0.0	0.0	0.0	0.00593
15.0000E-3	20.3178	4.71000	4.70516	4.44839	0.00484	0.0	0.0	0.0	0.00484
20.0000E-3	20.0301	4.71000	4.70581	4.44840	0.00419	0.0	0.0	0.0	0.00419
25.3000E-3	19.7950	4.71000	4.70627	4.44830	0.00373	0.0	0.0	0.0	0.00373
30.0000E-3	19.6247	4.71000	4.70658	4.44830	0.00342	0.0	0.0	0.0	0.00342
40.0000E-3	19.3370	4.71000	4.70703	4.44830	0.00297	0.0	0.0	0.0	0.00297
50.0000E-3	19.1138	4.71000	4.70735	4.44830	0.00265	0.0	0.0	0.0	0.00265
60.0000E-3	18.9315	4.71000	4.70758	4.44830	0.00242	0.0	0.0	0.0	0.00242
70.0000E-3	18.7774	4.71000	4.70776	4.44820	0.00224	0.0	0.0	0.0	0.00224

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	0.01875	0.05560	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	0.01531	0.05560	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	0.01326	0.05560	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	0.01186	0.05560	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.01083	0.05560	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.00938	0.05560	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.00839	0.05560	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.00766	0.05560	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.00709	0.05560	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.00663	0.05560	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.00625	0.05560	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.00593	0.05560	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	0.00484	0.05560	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.00419	0.05560	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.00373	0.05560	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	0.00342	0.05560	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	0.00297	0.05560	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	0.00265	0.05560	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	0.00242	0.05560	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	0.00224	0.05560	0.0	0.0	0.0	0.0

MATERIAL C 12 C 12-CS- 2

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	4.71000	4.70790	4.44820	0.00210	0.0	0.0	0.0	0.00210
90.0000E-3	18.5260	4.71000	4.70802	4.44820	0.00198	0.0	0.0	0.0	0.00198
100.0000E-3	18.4207	4.71000	4.70813	4.44820	0.00187	0.0	0.0	0.0	0.00187
150.0000E-3	18.0152	4.71000	4.70847	4.44820	0.00153	0.0	0.0	0.0	0.00153
200.0000E-3	17.7275	4.71000	4.70867	4.44820	0.00133	0.0	0.0	0.0	0.00133
250.0000E-3	17.5044	4.71000	4.70881	4.44820	0.00119	0.0	0.0	0.0	0.00119
300.0000E-3	17.3221	4.71000	4.70892	4.44820	0.00108	0.0	0.0	0.0	0.00108
400.0000E-3	17.0344	4.71000	4.70906	4.44820	0.00094	0.0	0.0	0.0	0.00094
500.0000E-3	16.8112	4.71000	4.70916	4.44820	0.00084	0.0	0.0	0.0	0.00084
600.0000E-3	16.6289	4.71000	4.70923	4.44820	0.00077	0.0	0.0	0.0	0.00077
700.0000E-3	16.4748	4.71000	4.70929	4.44820	0.00071	0.0	0.0	0.0	0.00071
800.0000E-3	16.3412	4.71000	4.70934	4.44820	0.00066	0.0	0.0	0.0	0.00066
900.0000E-3	16.2235	4.71000	4.70938	4.44820	0.00062	0.0	0.0	0.0	0.00062
1.0000E00	16.1181	4.71000	4.70941	4.44820	0.00059	0.0	0.0	0.0	0.00059
1.5000E00	15.7126	4.71000	4.70952	4.44820	0.00048	0.0	0.0	0.0	0.00048
2.0000E00	15.4249	4.71000	4.70958	4.44810	0.00042	0.0	0.0	0.0	0.00042
2.5000E00	15.2018	4.71000	4.70963	4.44810	0.00037	0.0	0.0	0.0	0.00037
3.0000E00	15.0195	4.71000	4.70966	4.44810	0.00034	0.0	0.0	0.0	0.00034
4.0000E00	14.7318	4.71000	4.70970	4.44810	0.00030	0.0	0.0	0.0	0.00030
5.0000E00	14.5087	4.71000	4.70973	4.44810	0.00027	0.0	0.0	0.0	0.00027

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	0.00210	0.05560	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	0.00198	0.05560	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	0.00187	0.05560	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	0.00153	0.05560	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.00133	0.05560	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.00119	0.05560	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.00108	0.05560	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	0.00094	0.05560	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.00084	0.05560	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.00077	0.05560	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.00071	0.05560	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.00066	0.05560	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.00062	0.05560	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.00059	0.05560	0.0	0.0	0.0	0.0
1.5000E00	15.7126	0.0	0.0	0.00048	0.05560	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.00042	0.05560	0.0	0.0	0.0	0.0
2.5000E00	15.2018	0.0	0.0	0.00037	0.05560	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.00034	0.05560	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.00030	0.05560	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.00027	0.05560	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.0000E00	14.3263	4.71000	4.70976	4.44810	0.00024	0.0	0.0	0.0	0.00024
7.0000E00	14.1722	4.71000	4.70978	4.44810	0.00022	0.0	0.0	0.0	0.00022
8.0000E00	14.0387	4.71000	4.70979	4.44810	0.00021	0.0	0.0	0.0	0.00021
9.0000E00	13.9209	4.71000	4.70980	4.44810	0.00020	0.0	0.0	0.0	0.00020
10.0000E00	13.8155	4.71000	4.70981	4.44810	0.00019	0.0	0.0	0.0	0.00019
15.0000E00	13.4100	4.71000	4.70985	4.44810	0.00015	0.0	0.0	0.0	0.00015
20.0000E00	13.1224	4.71000	4.70987	4.44810	0.00013	0.0	0.0	0.0	0.00013
25.0000E00	12.8992	4.71000	4.70988	4.44810	0.00012	0.0	0.0	0.0	0.00012
30.0000E00	12.7169	4.71000	4.70989	4.44810	0.00011	0.0	0.0	0.0	0.00011
40.0000E00	12.4292	4.71000	4.70991	4.44810	0.00009	0.0	0.0	0.0	0.00009
50.0000E00	12.2061	4.71000	4.70992	4.44810	0.00008	0.0	0.0	0.0	0.00008
60.0000E00	12.0238	4.71000	4.70992	4.44810	0.00008	0.0	0.0	0.0	0.00008
70.0000E00	11.8696	4.71000	4.70993	4.44810	0.00007	0.0	0.0	0.0	0.00007
80.0000E00	11.7361	4.71000	4.70993	4.44810	0.00007	0.0	0.0	0.0	0.00007
90.0000E00	11.6183	4.71000	4.70994	4.44810	0.00006	0.0	0.0	0.0	0.00006
100.0000E00	11.5129	4.71000	4.70994	4.44810	0.00006	0.0	0.0	0.0	0.00006
150.0000E00	11.1075	4.71000	4.70995	4.44810	0.00005	0.0	0.0	0.0	0.00005
200.0000E00	10.8198	4.71000	4.70996	4.44810	0.00004	0.0	0.0	0.0	0.00004
300.0000E00	10.4143	4.70900	4.70897	4.44720	0.00003	0.0	0.0	0.0	0.00003
400.0000E00	10.1266	4.70900	4.70897	4.44720	0.00003	0.0	0.0	0.0	0.00003

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.0000E00	14.3263	0.0	0.0	0.00024	0.05560	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.00022	0.05560	0.0	0.0	0.0	0.0
8.0000E00	14.0387	0.0	0.0	0.00021	0.05560	0.0	0.0	0.0	0.0
9.0000E00	13.9209	0.0	0.0	0.00020	0.05560	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.00019	0.05560	0.0	0.0	0.0	0.0
15.0000E00	13.4100	0.0	0.0	0.00015	0.05560	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.00013	0.05560	0.0	0.0	0.0	0.0
25.0000E00	12.8992	0.0	0.0	0.00012	0.05560	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.00011	0.05560	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	0.00009	0.05560	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.00008	0.05560	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.00008	0.05560	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.00007	0.05560	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.00007	0.05560	0.0	0.0	0.0	0.0
90.0000E00	11.6183	0.0	0.0	0.00006	0.05560	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.00006	0.05560	0.0	0.0	0.0	0.0
150.0000E00	11.1075	0.0	0.0	0.00005	0.05560	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.00004	0.05560	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.00003	0.05560	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.00003	0.05560	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
500.0000E00	9.9035	4.70800	4.70797	4.44620	0.00003	0.0	0.0	0.0	0.00003
600.0000E00	9.7212	4.70800	4.70798	4.44620	0.00002	0.0	0.0	0.0	0.00002
700.0000E00	9.5670	4.70800	4.70798	4.44620	0.00002	0.0	0.0	0.0	0.00002
800.0000E00	9.4335	4.70700	4.70698	4.44530	0.00002	0.0	0.0	0.0	0.00002
900.0000E00	9.3157	4.70700	4.70698	4.44530	0.00002	0.0	0.0	0.0	0.00002
1.0000E 3	9.2103	4.70700	4.70698	4.44530	0.00002	0.0	0.0	0.0	0.00002
2.0000E 3	8.5172	4.70300	4.70299	4.44150	0.00001	0.0	0.0	0.0	0.00001
3.0000E 3	8.1117	4.70000	4.69999	4.43870	0.00001	0.0	0.0	0.0	0.00001
4.0000E 3	7.8240	4.69600	4.69599	4.43490	0.00001	0.0	0.0	0.0	0.00001
5.0000E 3	7.6009	4.69300	4.69299	4.43210	0.00001	0.0	0.0	0.0	0.00001
6.0000E 3	7.4186	4.69000	4.68999	4.42920	0.00001	0.0	0.0	0.0	0.00001
7.0000E 3	7.2644	4.68600	4.68599	4.42550	0.00001	0.0	0.0	0.0	0.00001
8.0000E 3	7.1309	4.68300	4.68299	4.42260	0.00001	0.0	0.0	0.0	0.00001
9.0000E 3	7.0131	4.67900	4.67899	4.41880	0.00001	0.0	0.0	0.0	0.00001
10.0000E 3	6.9078	4.67600	4.67599	4.41600	0.00001	0.0	0.0	0.0	0.00001
20.0000E 3	6.2146	4.64200	4.64200	4.38390	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	4.60900	4.60900	4.35270	0.0	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	4.57600	4.57600	4.32160	0.0	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	4.54300	4.54300	4.29040	0.0	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	4.51100	4.51100	4.25840	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
500.0000E00	9.9035	0.0	0.0	0.00003	0.05560	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.00002	0.05560	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.00002	0.05560	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.00002	0.05560	0.0	0.0	0.0	0.0
900.0000E00	9.3157	0.0	0.0	0.00002	0.05560	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.00002	0.05560	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
4.0000E 3	7.8240	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
6.0000E 3	7.4186	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
9.0000E 3	7.0131	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.00001	0.05560	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.0	0.05560	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.05560	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	0.0	0.0	0.0	0.05560	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.0	0.05560	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	0.0	0.0	0.0	0.05600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
70.0000E 3	4.9618	4.47900	4.47900	4.22590	0.0	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	4.44700	4.44700	4.19350	0.0	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	4.41600	4.41600	4.16080	0.0	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	4.38500	4.38500	4.12800	0.0	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	4.32400	4.32400	4.05980	0.0	0.0	0.0	0.0	0.0
140.0000E 3	4.2687	4.26400	4.26400	3.98900	0.0	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	4.20600	4.20600	3.92080	0.0	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	4.14800	4.14800	3.85390	0.0	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	4.09300	4.09300	3.79090	0.0	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	4.03800	4.03800	3.72830	0.0	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	3.98500	3.98500	3.66900	0.0	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	3.93200	3.93200	3.61000	0.0	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	3.88100	3.88100	3.55380	0.0	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	3.83200	3.83200	3.49940	0.0	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	3.78300	3.78300	3.44630	0.0	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	3.73600	3.73600	3.39490	0.0	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	3.69000	3.69000	3.34540	0.0	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	3.64500	3.64500	3.29650	0.0	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	3.60100	3.60100	3.24950	0.0	0.0	0.0	0.0	0.0
420.0000E 3	3.1701	3.55800	3.55800	3.20330	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
70.0000E 3	4.9618	0.0	0.0	0.0	0.05650	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	0.0	0.0	0.0	0.05700	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.0	0.05780	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.0	0.05860	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.0	0.06110	0.0	0.0	0.0	0.0
140.0000E 3	4.2687	0.0	0.0	0.0	0.06450	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	0.0	0.0	0.0	0.06780	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.0	0.07090	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.0	0.07380	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	0.0	0.0	0.0	0.07670	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	0.0	0.0	0.0	0.07930	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.0	0.0	0.0	0.08190	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	0.0	0.0	0.0	0.08430	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.0	0.08680	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	0.0	0.0	0.0	0.08900	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	0.0	0.0	0.0	0.09130	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	0.0	0.0	0.0	0.09340	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.0	0.0	0.0	0.09560	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.0	0.09760	0.0	0.0	0.0	0.0
420.0000E 3	3.1701	0.0	0.0	0.0	0.09970	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
440.0000E 3	3.1236	3.51700	3.51700	3.16000	0.0	0.0	0.0	0.0	0.0
460.0000E 3	3.0791	3.47600	3.47600	3.11660	0.0	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	3.43700	3.43700	3.07580	0.0	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	3.39800	3.39800	3.03510	0.0	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	3.36100	3.36100	2.99670	0.0	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	3.32500	3.32500	2.95960	0.0	0.0	0.0	0.0	0.0
560.0000E 3	2.8824	3.28900	3.28900	2.92260	0.0	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	3.25500	3.25500	2.88780	0.0	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	3.22100	3.22100	2.85350	0.0	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	3.18800	3.18800	2.82010	0.0	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	3.15600	3.15600	2.78740	0.0	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	3.12500	3.12500	2.75660	0.0	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	3.09500	3.09500	2.72670	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	3.06500	3.06500	2.69660	0.0	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	3.03600	3.03600	2.66770	0.0	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	3.00800	3.00800	2.64010	0.0	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	2.98000	2.98000	2.61260	0.0	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	2.95300	2.95300	2.58620	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	2.92700	2.92700	2.56110	0.0	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	2.90100	2.90100	2.53610	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
440.0000E 3	3.1236	0.0	0.0	0.0	0.10150	0.0	0.0	0.0	0.0
460.0000E 3	3.0791	0.0	0.0	0.0	0.10340	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	0.0	0.0	0.0	0.10510	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.0	0.10680	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	0.0	0.0	0.0	0.10840	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.0	0.10990	0.0	0.0	0.0	0.0
560.0000E 3	2.8824	0.0	0.0	0.0	0.11140	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	0.0	0.0	0.0	0.11280	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.0	0.0	0.0	0.11410	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.0	0.11540	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.0	0.11680	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	0.0	0.0	0.0	0.11790	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.0	0.0	0.0	0.11900	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	0.12020	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.0	0.0	0.0	0.12130	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	0.0	0.0	0.0	0.12230	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.0	0.0	0.0	0.12330	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	0.0	0.0	0.0	0.12420	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	0.12500	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.0	0.0	0.0	0.12580	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
840.0000E 3	2.4769	2.87500	2.87500	2.51130	0.0	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	2.85000	2.85000	2.48810	0.0	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	2.82600	2.82600	2.46510	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	2.80100	2.80100	2.44220	0.0	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	2.77700	2.77700	2.41990	0.0	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	2.75300	2.75300	2.39810	0.0	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	2.73000	2.73000	2.37700	0.0	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	2.70700	2.70700	2.35640	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	2.68300	2.68300	2.33470	0.0	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	2.62500	2.62500	2.28380	0.0	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	2.56700	2.56700	2.23360	0.0	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	2.50800	2.50800	2.18270	0.0	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	2.44600	2.44600	2.13000	0.0	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	2.38200	2.38200	2.07540	0.0	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	2.32000	2.32000	2.02440	0.0	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	2.27000	2.27000	1.98240	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	2.22000	2.22000	1.94070	0.0	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	2.17000	2.17000	1.90030	0.0	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	2.12000	2.12000	1.86030	0.0	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	2.07000	2.07000	1.82120	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
840.0000E 3	2.4769	0.0	0.0	0.0	0.12650	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.0	0.0	0.0	0.12700	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	0.0	0.0	0.0	0.12770	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.12810	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.0	0.0	0.0	0.12860	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.0	0.0	0.0	0.12890	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	0.0	0.0	0.0	0.12930	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.0	0.0	0.0	0.12950	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.12980	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.0	0.0	0.0	0.13000	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.0	0.0	0.0	0.12990	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	0.0	0.0	0.0	0.12970	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.0	0.0	0.0	0.12920	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.0	0.0	0.0	0.12870	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.0	0.0	0.0	0.12740	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.0	0.0	0.0	0.12670	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.0	0.0	0.0	0.12580	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.0	0.0	0.0	0.12430	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.0	0.0	0.0	0.12250	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	0.0	0.0	0.0	0.12020	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.6000E 6	1.8326	2.03000	2.03000	1.79050	0.0	0.0	0.0	0.0	0.0
1.6500E 6	1.8018	1.99000	1.99000	1.75920	0.0	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	1.95000	1.95000	1.72930	0.0	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	1.91000	1.91000	1.70030	0.0	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	1.87000	1.87000	1.67230	0.0	0.0	0.0	0.0	0.0
1.8500E 6	1.6874	1.83000	1.83000	1.64460	0.0	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	1.79000	1.79000	1.61910	0.0	0.0	0.0	0.0	0.0
1.9500E 6	1.6348	1.75000	1.75000	1.60040	0.0	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	1.72000	1.72000	1.61400	0.0	0.0	0.0	0.0	0.0
2.0100E 6	1.6045	1.71000	1.71000	1.60550	0.0	0.0	0.0	0.0	0.0
2.0200E 6	1.5995	1.70000	1.70000	1.59720	0.0	0.0	0.0	0.0	0.0
2.0300E 6	1.5945	1.69000	1.69000	1.59150	0.0	0.0	0.0	0.0	0.0
2.0400E 6	1.5896	1.69000	1.69000	1.59860	0.0	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	1.72000	1.72000	1.63610	0.0	0.0	0.0	0.0	0.0
2.0600E 6	1.5799	2.72000	2.72000	2.63020	0.0	0.0	0.0	0.0	0.0
2.0700E 6	1.5750	3.63000	3.63000	3.59810	0.0	0.0	0.0	0.0	0.0
2.0800E 6	1.5702	5.00000	5.00000	4.87450	0.0	0.0	0.0	0.0	0.0
2.0900E 6	1.5654	2.50000	2.50000	2.27350	0.0	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	1.79000	1.79000	1.59470	0.0	0.0	0.0	0.0	0.0
2.1100E 6	1.5559	1.73000	1.73000	1.56670	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.6000E 6	1.8326	0.0	0.0	0.0	0.11800	0.0	0.0	0.0	0.0
1.6500E 6	1.8018	0.0	0.0	0.0	0.11600	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	0.0	0.0	0.0	0.11320	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	0.0	0.0	0.0	0.10980	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.0	0.0	0.0	0.10570	0.0	0.0	0.0	0.0
1.8500E 6	1.6874	0.0	0.0	0.0	0.10130	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.0	0.0	0.0	0.09550	0.0	0.0	0.0	0.0
1.9500E 6	1.6348	0.0	0.0	0.0	0.08550	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.0	0.0	0.0	0.06160	0.0	0.0	0.0	0.0
2.0100E 6	1.6045	0.0	0.0	0.0	0.06110	0.0	0.0	0.0	0.0
2.0200E 6	1.5995	0.0	0.0	0.0	0.06050	0.0	0.0	0.0	0.0
2.0300E 6	1.5945	0.0	0.0	0.0	0.05830	0.0	0.0	0.0	0.0
2.0400E 6	1.5896	0.0	0.0	0.0	0.05410	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	0.0	0.0	0.0	0.04880	0.0	0.0	0.0	0.0
2.0600E 6	1.5799	0.0	0.0	0.0	0.03300	0.0	0.0	0.0	0.0
2.0700E 6	1.5750	0.0	0.0	0.0	0.00880	0.0	0.0	0.0	0.0
2.0800E 6	1.5702	0.0	0.0	0.0	0.02510	0.0	0.0	0.0	0.0
2.0900E 6	1.5654	0.0	0.0	0.0	0.09060	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.0	0.0	0.0	0.10910	0.0	0.0	0.0	0.0
2.1100E 6	1.5559	0.0	0.0	0.0	0.09440	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.1200E 6	1.5512	1.70000	1.70000	1.55300	0.0	0.0	0.0	0.0	0.0
2.1500E 6	1.5371	1.65000	1.65000	1.52280	0.0	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	1.60000	1.60000	1.50000	0.0	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	1.55000	1.55000	1.47810	0.0	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	1.53000	1.53000	1.48010	0.0	0.0	0.0	0.0	0.0
2.5000E 6	1.3863	1.53000	1.53000	1.50260	0.0	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	1.55000	1.55000	1.54750	0.0	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	1.69000	1.69000	1.70810	0.0	0.0	0.0	0.0	0.0
2.7500E 6	1.2910	1.80000	1.80000	1.82650	0.0	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	1.94000	1.94000	1.97400	0.0	0.0	0.0	0.0	0.0
2.8500E 6	1.2553	2.25000	2.25000	2.27630	0.0	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	2.65000	2.65000	2.63520	0.0	0.0	0.0	0.0	0.0
2.9100E 6	1.2344	2.73000	2.73000	2.71660	0.0	0.0	0.0	0.0	0.0
2.9200E 6	1.2310	2.83000	2.83000	2.83570	0.0	0.0	0.0	0.0	0.0
2.9300E 6	1.2276	2.94000	2.94000	2.96820	0.0	0.0	0.0	0.0	0.0
2.9400E 6	1.2242	3.01000	3.01000	3.04760	0.0	0.0	0.0	0.0	0.0
2.9500E 6	1.2208	3.04000	3.04000	3.08290	0.0	0.0	0.0	0.0	0.0
2.9600E 6	1.2174	3.01000	3.01000	3.05550	0.0	0.0	0.0	0.0	0.0
2.9700E 6	1.2140	2.77000	2.77000	2.81430	0.0	0.0	0.0	0.0	0.0
2.9800E 6	1.2107	2.22000	2.22000	2.25690	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.1200E 6	1.5512	0.0	0.0	0.0	0.08650	0.0	0.0	0.0	0.0
2.1500E 6	1.5371	0.0	0.0	0.0	0.07710	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.0	0.0	0.0	0.06250	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.0	0.0	0.0	0.04640	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.0	0.0	0.0	0.03260	0.0	0.0	0.0	0.0
2.5000E 6	1.3863	0.0	0.0	0.0	0.01790	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	0.0	0.0	0.0	0.00160	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	0.0	0.0	0.0	-0.01070	0.0	0.0	0.0	0.0
2.7500E 6	1.2910	0.0	0.0	0.0	-0.01470	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.0	0.0	0.0	-0.01750	0.0	0.0	0.0	0.0
2.8500E 6	1.2553	0.0	0.0	0.0	-0.01170	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	0.0	0.0	0.0	0.00560	0.0	0.0	0.0	0.0
2.9100E 6	1.2344	0.0	0.0	0.0	0.00490	0.0	0.0	0.0	0.0
2.9200E 6	1.2310	0.0	0.0	0.0	-0.00200	0.0	0.0	0.0	0.0
2.9300E 6	1.2276	0.0	0.0	0.0	-0.00960	0.0	0.0	0.0	0.0
2.9400E 6	1.2242	0.0	0.0	0.0	-0.01250	0.0	0.0	0.0	0.0
2.9500E 6	1.2208	0.0	0.0	0.0	-0.01410	0.0	0.0	0.0	0.0
2.9600E 6	1.2174	0.0	0.0	0.0	-0.01510	0.0	0.0	0.0	0.0
2.9700E 6	1.2140	0.0	0.0	0.0	-0.01600	0.0	0.0	0.0	0.0
2.9800E 6	1.2107	0.0	0.0	0.0	-0.01660	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.9900E 6	1.2073	1.72000	1.72000	1.74960	0.0	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	1.26000	1.26000	1.28220	0.0	0.0	0.0	0.0	0.0
3.0500E 6	1.1874	1.05000	1.05000	1.07060	0.0	0.0	0.0	0.0	0.0
3.1000E 6	1.1712	1.38000	1.38000	1.41010	0.0	0.0	0.0	0.0	0.0
3.1500E 6	1.1552	1.65000	1.65000	1.65970	0.0	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	1.89000	1.89000	1.88210	0.0	0.0	0.0	0.0	0.0
3.2500E 6	1.1239	2.11000	2.11000	2.08170	0.0	0.0	0.0	0.0	0.0
3.3000E 6	1.1087	2.28000	2.28000	2.22070	0.0	0.0	0.0	0.0	0.0
3.3500E 6	1.0936	2.39000	2.39000	2.29080	0.0	0.0	0.0	0.0	0.0
3.4000E 6	1.0788	2.47000	2.47000	2.32280	0.0	0.0	0.0	0.0	0.0
3.4500E 6	1.0642	2.51000	2.51000	2.30640	0.0	0.0	0.0	0.0	0.0
3.4800E 6	1.0556	2.52000	2.52000	2.25160	0.0	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	2.52000	2.52000	2.24460	0.0	0.0	0.0	0.0	0.0
3.5200E 6	1.0441	2.52000	2.52000	2.25040	0.0	0.0	0.0	0.0	0.0
3.5500E 6	1.0356	2.51000	2.51000	2.26600	0.0	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	2.47000	2.47000	2.28650	0.0	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	2.43000	2.43000	2.30120	0.0	0.0	0.0	0.0	0.0
3.7000E 6	0.9943	2.38000	2.38000	2.29650	0.0	0.0	0.0	0.0	0.0
3.7500E 6	0.9808	2.32000	2.32000	2.26480	0.0	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	2.25000	2.25000	2.21510	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.9900E 6	1.2073	0.0	0.0	0.0	-0.01720	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	0.0	0.0	0.0	-0.01760	0.0	0.0	0.0	0.0
3.0500E 6	1.1874	0.0	0.0	0.0	-0.01960	0.0	0.0	0.0	0.0
3.1000E 6	1.1712	0.0	0.0	0.0	-0.02180	0.0	0.0	0.0	0.0
3.1500E 6	1.1552	0.0	0.0	0.0	-0.00590	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	0.0	0.0	0.0	0.00420	0.0	0.0	0.0	0.0
3.2500E 6	1.1239	0.0	0.0	0.0	0.01340	0.0	0.0	0.0	0.0
3.3000E 6	1.1087	0.0	0.0	0.0	0.02600	0.0	0.0	0.0	0.0
3.3500E 6	1.0936	0.0	0.0	0.0	0.04150	0.0	0.0	0.0	0.0
3.4000E 6	1.0788	0.0	0.0	0.0	0.05960	0.0	0.0	0.0	0.0
3.4500E 6	1.0642	0.0	0.0	0.0	0.08110	0.0	0.0	0.0	0.0
3.4800E 6	1.0556	0.0	0.0	0.0	0.10650	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	0.0	0.0	0.0	0.10930	0.0	0.0	0.0	0.0
3.5200E 6	1.0441	0.0	0.0	0.0	0.10700	0.0	0.0	0.0	0.0
3.5500E 6	1.0356	0.0	0.0	0.0	0.09720	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	0.0	0.0	0.0	0.07430	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	0.0	0.0	0.0	0.05300	0.0	0.0	0.0	0.0
3.7000E 6	0.9943	0.0	0.0	0.0	0.03510	0.0	0.0	0.0	0.0
3.7500E 6	0.9808	0.0	0.0	0.0	0.02380	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	0.0	0.0	0.0	0.01550	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.8500E 6	0.9545	2.17000	2.17000	2.15030	0.0	0.0	0.0	0.0	0.0
3.9000E 6	0.9416	2.08000	2.08000	2.06920	0.0	0.0	0.0	0.0	0.0
3.9500E 6	0.9289	1.99000	1.99000	1.98740	0.0	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	1.92000	1.92000	1.91810	0.0	0.0	0.0	0.0	0.0
4.0500E 6	0.9039	1.86000	1.86000	1.85740	0.0	0.0	0.0	0.0	0.0
4.1000E 6	0.8916	1.84000	1.84000	1.81990	0.0	0.0	0.0	0.0	0.0
4.1500E 6	0.8795	1.84000	1.84000	1.72220	0.0	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	1.86000	1.86000	1.61260	0.0	0.0	0.0	0.0	0.0
4.2200E 6	0.8627	1.88000	1.88000	1.58860	0.0	0.0	0.0	0.0	0.0
4.2400E 6	0.8580	1.91000	1.91000	1.57920	0.0	0.0	0.0	0.0	0.0
4.2600E 6	0.8533	1.97000	1.97000	1.59810	0.0	0.0	0.0	0.0	0.0
4.2800E 6	0.8486	2.11000	2.11000	1.68170	0.0	0.0	0.0	0.0	0.0
4.3000E 6	0.8440	2.15000	2.15000	1.68780	0.0	0.0	0.0	0.0	0.0
4.3200E 6	0.8393	2.11000	2.11000	1.63100	0.0	0.0	0.0	0.0	0.0
4.3500E 6	0.8324	1.99000	1.99000	1.50740	0.0	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	1.84000	1.84000	1.35060	0.0	0.0	0.0	0.0	0.0
4.5000E 6	0.7985	1.61000	1.61000	1.13470	0.0	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	1.45000	1.45000	0.98320	0.0	0.0	0.0	0.0	0.0
4.7000E 6	0.7550	1.34000	1.34000	0.87260	0.0	0.0	0.0	0.0	0.0
4.8000E 6	0.7340	1.28000	1.27900	0.79880	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.8500E 6	0.9545	0.0	0.0	0.0	0.00910	0.0	0.0	0.0	0.0
3.9000E 6	0.9416	0.0	0.0	0.0	0.00520	0.0	0.0	0.0	0.0
3.9500E 6	0.9289	0.0	0.0	0.0	0.00130	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	0.0	0.0	0.0	0.00100	0.0	0.0	0.0	0.0
4.0500E 6	0.9039	0.0	0.0	0.0	0.00140	0.0	0.0	0.0	0.0
4.1000E 6	0.8916	0.0	0.0	0.0	0.01090	0.0	0.0	0.0	0.0
4.1500E 6	0.8795	0.0	0.0	0.0	0.06400	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	0.0	0.0	0.0	0.13300	0.0	0.0	0.0	0.0
4.2200E 6	0.8627	0.0	0.0	0.0	0.15500	0.0	0.0	0.0	0.0
4.2400E 6	0.8580	0.0	0.0	0.0	0.17320	0.0	0.0	0.0	0.0
4.2600E 6	0.8533	0.0	0.0	0.0	0.18880	0.0	0.0	0.0	0.0
4.2800E 6	0.8486	0.0	0.0	0.0	0.20300	0.0	0.0	0.0	0.0
4.3000E 6	0.8440	0.0	0.0	0.0	0.21500	0.0	0.0	0.0	0.0
4.3200E 6	0.8393	0.0	0.0	0.0	0.22700	0.0	0.0	0.0	0.0
4.3500E 6	0.8324	0.0	0.0	0.0	0.24250	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	0.0	0.0	0.0	0.26600	0.0	0.0	0.0	0.0
4.5000E 6	0.7985	0.0	0.0	0.0	0.29520	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	0.0	0.0	0.0	0.32190	0.0	0.0	0.0	0.0
4.7000E 6	0.7550	0.0	0.0	0.0	0.34880	0.0	0.0	0.0	0.0
4.8000E 6	0.7340	0.00100	0.0	0.00100	0.37620	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.8500E 6	0.7236	1.27000	1.26200	0.77660	0.0	0.0	0.0	0.0	0.0
4.8800E 6	0.7174	1.26000	1.24500	0.76590	0.0	0.0	0.0	0.0	0.0
4.9000E 6	0.7133	1.26000	1.23800	0.76540	0.0	0.0	0.0	0.0	0.0
4.9200E 6	0.7093	1.41000	1.38200	0.85310	0.0	0.0	0.0	0.0	0.0
4.9300E 6	0.7072	1.60000	1.56800	0.96650	0.0	0.0	0.0	0.0	0.0
4.9400E 6	0.7052	1.41000	1.37500	0.85310	0.0	0.0	0.0	0.0	0.0
4.9600E 6	0.7012	1.24000	1.19800	0.75340	0.0	0.0	0.0	0.0	0.0
4.9800E 6	0.6972	1.22000	1.17300	0.74290	0.0	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	1.20000	1.15200	0.73180	0.0	0.0	0.0	0.0	0.0
5.0500E 6	0.6832	1.17000	1.12400	0.71770	0.0	0.0	0.0	0.0	0.0
5.1000E 6	0.6733	1.14000	1.10200	0.70450	0.0	0.0	0.0	0.0	0.0
5.1500E 6	0.6636	1.12000	1.08800	0.70110	0.0	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	1.10000	1.06400	0.70860	0.0	0.0	0.0	0.0	0.0
5.2500E 6	0.6444	1.08000	1.03000	0.72780	0.0	0.0	0.0	0.0	0.0
5.3000E 6	0.6349	1.07000	1.00400	0.77030	0.0	0.0	0.0	0.0	0.0
5.3200E 6	0.6311	1.13000	1.05700	0.84040	0.0	0.0	0.0	0.0	0.0
5.3400E 6	0.6274	1.71000	1.63100	1.30700	0.0	0.0	0.0	0.0	0.0
5.3600E 6	0.6236	1.98000	1.89300	1.54930	0.0	0.0	0.0	0.0	0.0
5.3800E 6	0.6199	1.58000	1.48500	1.26240	0.0	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	1.30000	1.20000	1.05690	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.8500E 6	0.7236	0.00800	0.0	0.00800	0.39100	0.0	0.0	0.0	0.0
4.8800E 6	0.7174	0.01500	0.0	0.01500	0.39690	0.0	0.0	0.0	0.0
4.9000E 6	0.7133	0.02200	0.0	0.02200	0.39950	0.0	0.0	0.0	0.0
4.9200E 6	0.7093	0.02800	0.0	0.02800	0.40300	0.0	0.0	0.0	0.0
4.9300E 6	0.7072	0.03200	0.0	0.03200	0.40400	0.0	0.0	0.0	0.0
4.9400E 6	0.7052	0.03500	0.0	0.03500	0.40500	0.0	0.0	0.0	0.0
4.9600E 6	0.7012	0.04200	0.0	0.04200	0.40620	0.0	0.0	0.0	0.0
4.9800E 6	0.6972	0.04700	0.0	0.04700	0.40670	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	0.04800	0.0	0.04800	0.40640	0.0	0.0	0.0	0.0
5.0500E 6	0.6832	0.04600	0.0	0.04600	0.40240	0.0	0.0	0.0	0.0
5.1000E 6	0.6733	0.03800	0.0	0.03800	0.39520	0.0	0.0	0.0	0.0
5.1500E 6	0.6636	0.03200	0.0	0.03200	0.38500	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	0.03600	0.0	0.03600	0.36790	0.0	0.0	0.0	0.0
5.2500E 6	0.6444	0.05000	0.0	0.05000	0.34190	0.0	0.0	0.0	0.0
5.3000E 6	0.6349	0.06600	0.0	0.06600	0.29850	0.0	0.0	0.0	0.0
5.3200E 6	0.6311	0.07300	0.0	0.07300	0.27400	0.0	0.0	0.0	0.0
5.3400E 6	0.6274	0.07900	0.0	0.07900	0.24710	0.0	0.0	0.0	0.0
5.3600E 6	0.6236	0.08700	0.0	0.08700	0.22750	0.0	0.0	0.0	0.0
5.3800E 6	0.6199	0.09500	0.0	0.09500	0.21390	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	0.10000	0.0	0.10000	0.20260	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.4200E 6	0.6125	1.24000	1.13900	1.02840	0.0	0.0	0.0	0.0	0.0
5.4500E 6	0.6070	1.19000	1.08800	1.02410	0.0	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	1.13000	1.02800	1.06900	0.0	0.0	0.0	0.0	0.0
5.6000E 6	0.5798	1.09000	0.97600	1.05860	0.0	0.0	0.0	0.0	0.0
5.7000E 6	0.5621	1.06000	0.92000	1.02420	0.0	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	1.06000	0.88700	1.01620	0.0	0.0	0.0	0.0	0.0
5.9000E 6	0.5276	1.07000	0.86600	1.01440	0.0	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	1.09000	0.86800	1.01600	0.0	0.0	0.0	0.0	0.0
6.0500E 6	0.5025	1.12000	0.89200	1.03630	0.0	0.0	0.0	0.0	0.0
6.1000E 6	0.4943	1.15000	0.91400	1.05640	0.0	0.0	0.0	0.0	0.0
6.1500E 6	0.4861	1.19000	0.93100	1.08670	0.0	0.0	0.0	0.0	0.0
6.2000E 6	0.4780	1.27000	0.98400	1.15240	0.0	0.0	0.0	0.0	0.0
6.2200E 6	0.4748	1.39000	1.08200	1.25530	0.0	0.0	0.0	0.0	0.0
6.2400E 6	0.4716	1.95000	1.61800	1.74050	0.0	0.0	0.0	0.0	0.0
6.2600E 6	0.4684	2.57000	2.21500	2.27210	0.0	0.0	0.0	0.0	0.0
6.2700E 6	0.4668	2.66000	2.29300	2.34610	0.0	0.0	0.0	0.0	0.0
6.2800E 6	0.4652	2.60000	2.22000	2.28990	0.0	0.0	0.0	0.0	0.0
6.3000E 6	0.4620	1.87000	1.46600	1.65790	0.0	0.0	0.0	0.00100	0.00100
6.3200E 6	0.4589	1.40000	0.97200	1.25470	0.0	0.0	0.0	0.00100	0.00100
6.3500E 6	0.4541	1.23000	0.77900	1.10860	0.0	0.0	0.0	0.00100	0.00100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.4200E 6	0.6125	0.10100	0.0	0.10100	0.18580	0.0	0.0	0.0	0.0
5.4500E 6	0.6070	0.10200	0.0	0.10200	0.15250	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	0.10200	0.0	0.10200	0.05930	0.0	0.0	0.0	0.0
5.6000E 6	0.5798	0.11400	0.0	0.11400	0.03220	0.0	0.0	0.0	0.0
5.7000E 6	0.5621	0.14000	0.0	0.14000	0.03890	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	0.17300	0.0	0.17300	0.04930	0.0	0.0	0.0	0.0
5.9000E 6	0.5276	0.20400	0.0	0.20400	0.06420	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	0.22200	0.0	0.22200	0.08520	0.0	0.0	0.0	0.0
6.0500E 6	0.5025	0.22800	0.0	0.22800	0.09380	0.0	0.0	0.0	0.0
6.1000E 6	0.4943	0.23600	0.0	0.23600	0.10240	0.0	0.0	0.0	0.0
6.1500E 6	0.4861	0.25900	0.0	0.25900	0.11100	0.0	0.0	0.0	0.0
6.2000E 6	0.4780	0.28600	0.0	0.28600	0.11950	0.0	0.0	0.0	0.0
6.2200E 6	0.4748	0.30800	0.0	0.30800	0.12450	0.0	0.0	0.0	0.0
6.2400E 6	0.4716	0.33200	0.0	0.33200	0.12950	0.0	0.0	0.0	0.0
6.2600E 6	0.4684	0.35500	0.0	0.35500	0.13450	0.0	0.0	0.0	0.0
6.2700E 6	0.4668	0.36700	0.0	0.36700	0.13690	0.0	0.0	0.0	0.0
6.2800E 6	0.4652	0.38000	0.0	0.38000	0.13970	0.0	0.0	0.0	0.0
6.3000E 6	0.4620	0.40300	0.0	0.40400	0.14470	0.0	0.0	0.0	0.0
6.3200E 6	0.4589	0.42700	0.0	0.42800	0.14950	0.0	0.0	0.0	0.0
6.3500E 6	0.4541	0.45000	0.0	0.45100	0.15580	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.4000E 6	0.4463	1.12000	0.78100	0.99000	0.0	0.0	0.0	0.00100	0.00100
6.4500E 6	0.4385	1.07000	0.77000	0.93350	0.0	0.0	0.0	0.00100	0.00100
6.5000E 6	0.4308	1.01000	0.70900	0.87680	0.0	0.0	0.0	0.00100	0.00100
6.5200E 6	0.4277	0.92000	0.59100	0.80635	0.0	0.0	0.0	0.00200	0.00200
6.5400E 6	0.4246	0.76000	0.40900	0.67926	0.0	0.0	0.0	0.00200	0.00200
6.5600E 6	0.4216	0.67000	0.31900	0.60594	0.0	0.0	0.0	0.00200	0.00200
6.5700E 6	0.4201	0.66000	0.31800	0.59561	0.0	0.0	0.0	0.00200	0.00200
6.5800E 6	0.4186	0.68000	0.35400	0.60757	0.0	0.0	0.0	0.00200	0.00200
6.6000E 6	0.4155	0.75000	0.45400	0.65520	0.0	0.0	0.0	0.00200	0.00200
6.6200E 6	0.4125	0.79000	0.50700	0.68241	0.0	0.0	0.0	0.00300	0.00300
6.6500E 6	0.4080	0.82000	0.55600	0.69901	0.0	0.0	0.0	0.00300	0.00300
6.7000E 6	0.4005	0.83000	0.59100	0.69608	0.0	0.0	0.0	0.00300	0.00300
6.8000E 6	0.3857	0.81000	0.60800	0.66116	0.0	0.0	0.0	0.00400	0.00400
6.9000E 6	0.3711	0.78000	0.58400	0.62641	0.0	0.0	0.0	0.00600	0.00600
7.0000E 6	0.3567	0.76000	0.56000	0.60219	0.0	0.0	0.0	0.00800	0.00800
7.1000E 6	0.3425	0.76000	0.56200	0.59281	0.0	0.0	0.0	0.01000	0.01000
7.1500E 6	0.3355	0.79000	0.58700	0.61061	0.0	0.0	0.0	0.01200	0.01200
7.2000E 6	0.3285	0.91000	0.69800	0.69167	0.0	0.0	0.0	0.01300	0.01300
7.2500E 6	0.3216	1.27000	1.03400	0.93922	0.0	0.0	0.0	0.01500	0.01500
7.3000E 6	0.3147	1.62000	1.35100	1.17849	0.0	0.0	0.0	0.01700	0.01700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.4000E 6	0.4463	0.33800	0.0	0.33900	0.16640	0.0	0.0	0.0	0.0
6.4500E 6	0.4385	0.29900	0.0	0.30000	0.17730	0.0	0.0	0.0	0.0
6.5000E 6	0.4308	0.30000	0.0	0.30100	0.18790	0.0	0.0	0.0	0.0
6.5200E 6	0.4277	0.32700	0.0	0.32900	0.19230	0.0	0.0	0.0	0.0
6.5400E 6	0.4246	0.34900	0.0	0.35100	0.19740	0.0	0.0	0.0	0.0
6.5600E 6	0.4216	0.34900	0.0	0.35100	0.20080	0.0	0.0	0.0	0.0
6.5700E 6	0.4201	0.34000	0.0	0.34200	0.20250	0.0	0.0	0.0	0.0
6.5800E 6	0.4186	0.32400	0.0	0.32600	0.20460	0.0	0.0	0.0	0.0
6.6000E 6	0.4155	0.29400	0.0	0.29600	0.20880	0.0	0.0	0.0	0.0
6.6200E 6	0.4125	0.28000	0.0	0.28300	0.21220	0.0	0.0	0.0	0.0
6.6500E 6	0.4080	0.26100	0.0	0.26400	0.21760	0.0	0.0	0.0	0.0
6.7000E 6	0.4005	0.23600	0.0	0.23900	0.22660	0.0	0.0	0.0	0.0
6.8000E 6	0.3857	0.19800	0.0	0.20200	0.24480	0.0	0.0	0.0	0.0
6.9000E 6	0.3711	0.19000	0.0	0.19600	0.26300	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	0.19200	0.0	0.20000	0.28180	0.0	0.0	0.0	0.0
7.1000E 6	0.3425	0.18800	0.0	0.19800	0.29750	0.0	0.0	0.0	0.0
7.1500E 6	0.3355	0.19100	0.0	0.20300	0.30560	0.0	0.0	0.0	0.0
7.2000E 6	0.3285	0.19900	0.0	0.21200	0.31280	0.0	0.0	0.0	0.0
7.2500E 6	0.3216	0.22100	0.0	0.23600	0.31990	0.0	0.0	0.0	0.0
7.3000E 6	0.3147	0.25200	0.0	0.26900	0.32680	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.3500E 6	0.3079	1.74000	1.42100	1.26567	0.0	0.0	0.0	0.01900	0.01900
7.4000E 6	0.3011	1.77000	1.41300	1.28817	0.0	0.0	0.0	0.02100	0.02100
7.4500E 6	0.2944	1.76000	1.38200	1.27962	0.0	0.0	0.0	0.02300	0.02300
7.5000E 6	0.2877	1.75000	1.36300	1.26791	0.0	0.0	0.0	0.02500	0.02500
7.5500E 6	0.2810	1.73000	1.34700	1.24508	0.0	0.0	0.0	0.02800	0.02800
7.6000E 6	0.2744	1.70000	1.32900	1.21359	0.0	0.0	0.0	0.03100	0.03100
7.6500E 6	0.2679	1.66000	1.30100	1.17590	0.0	0.0	0.0	0.03500	0.03500
7.6800E 6	0.2640	1.65000	1.28100	1.16898	0.0	0.0	0.0	0.03700	0.03700
7.7000E 6	0.2614	1.66000	1.27100	1.17956	0.0	0.0	0.0	0.03900	0.03900
7.7200E 6	0.2588	2.18000	1.75400	1.51278	0.0	0.0	0.0	0.04000	0.04000
7.7300E 6	0.2575	2.33000	1.88500	1.61068	0.0	0.0	0.0	0.04100	0.04100
7.7400E 6	0.2562	2.29000	1.82700	1.59044	0.0	0.0	0.0	0.04200	0.04200
7.7600E 6	0.2536	2.19000	1.68900	1.53974	0.0	0.0	0.0	0.04400	0.04400
7.7800E 6	0.2510	2.10000	1.56100	1.49558	0.0	0.0	0.0	0.04600	0.04600
7.8000E 6	0.2485	2.03000	1.46600	1.45899	0.0	0.0	0.0	0.04800	0.04800
7.8500E 6	0.2421	1.91000	1.35600	1.37411	0.0	0.0	0.0	0.05400	0.05400
7.9000E 6	0.2357	1.83000	1.29600	1.31043	0.0	0.0	0.0	0.06100	0.06100
7.9500E 6	0.2294	1.79000	1.26500	1.27578	0.0	0.0	0.0	0.06800	0.06800
8.0000E 6	0.2231	1.82000	1.29300	1.28728	0.0	0.0	0.0	0.07300	0.07300
8.0500E 6	0.2169	1.86000	1.28300	1.32422	0.0	0.0	0.0	0.07600	0.07600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.3500E 6	0.3079	0.30000	0.0	0.31900	0.33380	0.0	0.0	0.0	0.0
7.4000E 6	0.3011	0.33600	0.0	0.35700	0.34100	0.0	0.0	0.0	0.0
7.4500E 6	0.2944	0.35500	0.0	0.37800	0.34760	0.0	0.0	0.0	0.0
7.5000E 6	0.2877	0.36200	0.0	0.38700	0.35370	0.0	0.0	0.0	0.0
7.5500E 6	0.2810	0.35500	0.0	0.38300	0.36000	0.0	0.0	0.0	0.0
7.6000E 6	0.2744	0.34000	0.0	0.37100	0.36600	0.0	0.0	0.0	0.0
7.6500E 6	0.2679	0.32400	0.0	0.35900	0.37210	0.0	0.0	0.0	0.0
7.6800E 6	0.2640	0.33200	0.0	0.36900	0.37550	0.0	0.0	0.0	0.0
7.7000E 6	0.2614	0.35000	0.0	0.38900	0.37800	0.0	0.0	0.0	0.0
7.7200E 6	0.2588	0.38600	0.0	0.42600	0.38040	0.0	0.0	0.0	0.0
7.7300E 6	0.2575	0.40400	0.0	0.44500	0.38160	0.0	0.0	0.0	0.0
7.7400E 6	0.2562	0.42100	0.0	0.46300	0.38290	0.0	0.0	0.0	0.0
7.7600E 6	0.2536	0.45700	0.0	0.50100	0.38500	0.0	0.0	0.0	0.0
7.7800E 6	0.2510	0.49300	0.0	0.53900	0.38720	0.0	0.0	0.0	0.0
7.8000E 6	0.2485	0.51600	0.0	0.56400	0.38950	0.0	0.0	0.0	0.0
7.8500E 6	0.2421	0.50000	0.0	0.55400	0.39520	0.0	0.0	0.0	0.0
7.9000E 6	0.2357	0.47300	0.0	0.53400	0.40090	0.0	0.0	0.0	0.0
7.9500E 6	0.2294	0.45700	0.0	0.52500	0.40650	0.0	0.0	0.0	0.0
8.0000E 6	0.2231	0.45400	0.0	0.52700	0.41200	0.0	0.0	0.0	0.0
8.0500E 6	0.2169	0.50100	0.0	0.57700	0.41760	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.1000E 6	0.2107	1.88000	1.25800	1.34824	0.0	0.0	0.0	0.07400	0.07400
8.1500E 6	0.2046	1.61000	0.98100	1.18925	0.0	0.0	0.0	0.07000	0.07000
8.2000E 6	0.1985	1.40000	0.80200	1.05249	0.0	0.0	0.0	0.06400	0.06400
8.2500E 6	0.1924	1.25000	0.74800	0.92178	0.0	0.0	0.0	0.05600	0.05600
8.3000E 6	0.1863	1.16000	0.75700	0.82435	0.0	0.0	0.0	0.04700	0.04700
8.3500E 6	0.1803	1.10000	0.74200	0.76706	0.0	0.0	0.0	0.04200	0.04200
8.4000E 6	0.1744	1.07000	0.72700	0.74045	0.0	0.0	0.0	0.03800	0.03800
8.5000E 6	0.1625	1.05000	0.72200	0.71579	0.0	0.0	0.0	0.03400	0.03400
8.6000E 6	0.1508	1.03000	0.70900	0.69528	0.0	0.0	0.0	0.03200	0.03200
8.7000E 6	0.1393	1.03000	0.71100	0.68780	0.0	0.0	0.0	0.03200	0.03200
8.8000E 6	0.1278	1.03000	0.70900	0.68220	0.0	0.0	0.0	0.03400	0.03400
8.9000E 6	0.1165	1.06000	0.72400	0.69890	0.0	0.0	0.0	0.04000	0.04000
9.0000E 6	0.1054	1.11000	0.73800	0.73580	0.0	0.0	0.0	0.04800	0.04800
9.1000E 6	0.0943	1.19000	0.79200	0.78190	0.0	0.0	0.0	0.05500	0.05500
9.1500E 6	0.0888	1.24000	0.83200	0.80800	0.0	0.0	0.0	0.05900	0.05900
9.2000E 6	0.0834	1.29000	0.87300	0.83300	0.0	0.0	0.0	0.06300	0.06300
9.2500E 6	0.0780	1.33000	0.90600	0.85220	0.0	0.0	0.0	0.06700	0.06700
9.3000E 6	0.0726	1.34000	0.91000	0.85690	0.0	0.0	0.0	0.07100	0.07100
9.3500E 6	0.0672	1.32000	0.88600	0.84620	0.0	0.0	0.0	0.07500	0.07500
9.4000E 6	0.0619	1.26000	0.82400	0.81660	0.0	0.0	0.0	0.07900	0.07900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.1000E 6	0.2107	0.54800	0.0	0.62200	0.42270	0.0	0.0	0.0	0.0
8.1500E 6	0.2046	0.55900	0.0	0.62900	0.42890	0.0	0.0	0.0	0.0
8.2000E 6	0.1985	0.53400	0.0	0.59800	0.43330	0.0	0.0	0.0	0.0
8.2500E 6	0.1924	0.44600	0.0	0.50200	0.43880	0.0	0.0	0.0	0.0
8.3000E 6	0.1863	0.35600	0.0	0.40300	0.44340	0.0	0.0	0.0	0.0
8.3500E 6	0.1803	0.31600	0.0	0.35800	0.44870	0.0	0.0	0.0	0.0
8.4000E 6	0.1744	0.30500	0.0	0.34300	0.45330	0.0	0.0	0.0	0.0
8.5000E 6	0.1625	0.29400	0.0	0.32800	0.46290	0.0	0.0	0.0	0.0
8.6000E 6	0.1508	0.28900	0.0	0.32100	0.47210	0.0	0.0	0.0	0.0
8.7000E 6	0.1393	0.28700	0.0	0.31900	0.48130	0.0	0.0	0.0	0.0
8.8000E 6	0.1278	0.28700	0.0	0.32100	0.49050	0.0	0.0	0.0	0.0
8.9000E 6	0.1165	0.29600	0.0	0.33600	0.49880	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.32400	0.0	0.37200	0.50700	0.0	0.0	0.0	0.0
9.1000E 6	0.0943	0.34300	0.0	0.39800	0.51530	0.0	0.0	0.0	0.0
9.1500E 6	0.0888	0.34900	0.0	0.40800	0.51920	0.0	0.0	0.0	0.0
9.2000E 6	0.0834	0.35400	0.0	0.41700	0.52350	0.0	0.0	0.0	0.0
9.2500E 6	0.0780	0.35700	0.0	0.42400	0.52740	0.0	0.0	0.0	0.0
9.3000E 6	0.0726	0.35900	0.0	0.43000	0.53090	0.0	0.0	0.0	0.0
9.3500E 6	0.0672	0.35900	0.0	0.43400	0.53480	0.0	0.0	0.0	0.0
9.4000E 6	0.0619	0.35700	0.0	0.43600	0.53810	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.5000E 6	0.0513	1.22000	0.78800	0.78980	0.0	0.0	0.0	0.08700	0.08700
9.6000E 6	0.0408	1.23000	0.82400	0.77430	0.0	0.0	0.0	0.09500	0.09500
9.7000E 6	0.0305	1.25000	0.87000	0.76270	0.0	0.0	0.0	0.10300	0.10300
9.8000E 6	0.0202	1.22000	0.84500	0.74090	0.0	0.0	0.0	0.11000	0.11000
9.9000E 6	0.0101	1.19000	0.81300	0.72360	0.0	0.0	0.0	0.11800	0.11800
10.0000E 6	0.0000	1.17000	0.78600	0.71400	0.0	0.0	0.0	0.12600	0.12600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.5000E 6	0.0513	0.34500	0.0	0.43200	0.54590	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	0.31100	0.0	0.40600	0.55300	0.0	0.0	0.0	0.0
9.7000E 6	0.0305	0.27700	0.0	0.38000	0.56010	0.0	0.0	0.0	0.0
9.8000E 6	0.0202	0.26500	0.0	0.37500	0.56700	0.0	0.0	0.0	0.0
9.9000E 6	0.0101	0.25900	0.0	0.37700	0.57370	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.25800	0.0	0.38400	0.58020	0.0	0.0	0.0	0.0

MATERIAL O 16 O 16-CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	11.00000	11.00000	10.54130	0.0	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	9.50000	9.50000	9.10385	0.0	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	8.55000	8.55000	8.19347	0.0	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	7.85000	7.85000	7.52266	0.0	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	7.35000	7.35000	7.04351	0.0	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	6.55000	6.55000	6.27687	0.0	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	6.00000	6.00000	5.74980	0.0	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	5.60000	5.60000	5.36648	0.0	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	5.27000	5.27000	5.05024	0.0	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	5.07000	5.07000	4.85858	0.0	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	4.92000	4.92000	4.71484	0.0	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	4.77000	4.77000	4.57109	0.0	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	4.43000	4.43000	4.24527	0.0	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	4.29000	4.29000	4.11110	0.0	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	4.21000	4.21000	4.03440	0.0	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	4.14000	4.14000	3.96740	0.0	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	4.05000	4.05000	3.88110	0.0	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	3.98000	3.98000	3.81400	0.0	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	3.93000	3.93000	3.76610	0.0	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	3.89000	3.89000	3.72780	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	3.86000	3.86000	3.69900	0.0	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	3.84000	3.84000	3.67990	0.0	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	3.82000	3.82000	3.66070	0.0	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	3.77000	3.77000	3.61280	0.0	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	3.74000	3.74000	3.58400	0.0	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	3.71000	3.71000	3.55530	0.0	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
1.0000E00	16.1181	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
2.0000E00	15.4249	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
3.0000E00	15.0195	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
5.0000E00	14.5087	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
7.0000E00	14.1722	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
10.0000E00	13.8155	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
20.0000E00	13.1224	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
30.0000E00	12.7169	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
50.0000E00	12.2061	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
70.0000E00	11.8696	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
100.0000E00	11.5129	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
200.0000E00	10.8198	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
300.0000E00	10.4143	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0

MATERIAL O 16 O 16-CS- 3

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
500.0000E00	9.9035	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
700.0000E00	9.5670	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
110.0000E 3	4.5099	3.70000	3.70000	3.54570	0.0	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	3.70000	3.70000	3.55200	0.0	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	3.70000	3.70000	3.57160	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
500.0000E00	9.9035	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
110.0000E 3	4.5099	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.0	0.04000	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	0.0	0.0	0.0	0.03470	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
140.0000E 3	4.2687	3.70000	3.70000	3.59970	0.0	0.0	0.0	0.0	0.0
150.0000E 3	4.1997	3.70000	3.70000	3.63640	0.0	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	3.70000	3.70000	3.67820	0.0	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	3.70000	3.70000	3.72070	0.0	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	3.70000	3.70000	3.76030	0.0	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	3.70000	3.70000	3.80290	0.0	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	3.70000	3.70000	3.84470	0.0	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	3.70000	3.70000	3.88570	0.0	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	3.70000	3.70000	3.92760	0.0	0.0	0.0	0.0	0.0
230.0000E 3	3.7723	3.70000	3.70000	3.96750	0.0	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	3.70000	3.70000	4.00930	0.0	0.0	0.0	0.0	0.0
250.0000E 3	3.6889	3.70000	3.70000	4.05040	0.0	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	3.70000	3.70000	4.09150	0.0	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	3.70000	3.70000	4.13290	0.0	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	3.71000	3.71000	4.18560	0.0	0.0	0.0	0.0	0.0
290.0000E 3	3.5405	3.71000	3.71000	4.22750	0.0	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	3.72000	3.72000	4.28060	0.0	0.0	0.0	0.0	0.0
310.0000E 3	3.4738	3.75000	3.75000	4.35750	0.0	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	3.78000	3.78000	4.43470	0.0	0.0	0.0	0.0	0.0
330.0000E 3	3.4112	3.82000	3.82000	4.52440	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
140.0000E 3	4.2687	0.0	0.0	0.0	0.02710	0.0	0.0	0.0	0.0
150.0000E 3	4.1997	0.0	0.0	0.0	0.01720	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	0.0	0.0	0.0	0.00590	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	0.0	0.0	0.0	-0.00560	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.0	-0.01630	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	0.0	0.0	0.0	-0.02780	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.0	-0.03910	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	0.0	0.0	0.0	-0.05020	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	0.0	0.0	0.0	-0.06150	0.0	0.0	0.0	0.0
230.0000E 3	3.7723	0.0	0.0	0.0	-0.07230	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	0.0	0.0	0.0	-0.08360	0.0	0.0	0.0	0.0
250.0000E 3	3.6889	0.0	0.0	0.0	-0.09470	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.0	0.0	0.0	-0.10580	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.0	0.0	0.0	-0.11700	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	0.0	0.0	0.0	-0.12820	0.0	0.0	0.0	0.0
290.0000E 3	3.5405	0.0	0.0	0.0	-0.13950	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.0	-0.15070	0.0	0.0	0.0	0.0
310.0000E 3	3.4738	0.0	0.0	0.0	-0.16200	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	0.0	0.0	0.0	-0.17320	0.0	0.0	0.0	0.0
330.0000E 3	3.4112	0.0	0.0	0.0	-0.18440	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
340.0000E 3	3.3814	3.88000	3.88000	4.63890	0.0	0.0	0.0	0.0	0.0
350.0000E 3	3.3524	3.96000	3.96000	4.77930	0.0	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	4.10000	4.10000	4.99460	0.0	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	4.34000	4.34000	5.33560	0.0	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	4.75000	4.75000	5.88150	0.0	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	5.35000	5.35000	6.60080	0.0	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	6.28000	6.28000	7.48200	0.0	0.0	0.0	0.0	0.0
410.0000E 3	3.1942	7.92000	7.92000	8.95360	0.0	0.0	0.0	0.0	0.0
420.0000E 3	3.1701	11.22000	11.22000	11.59590	0.0	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	15.90000	15.90000	14.39750	0.0	0.0	0.0	0.0	0.0
433.0000E 3	3.1396	16.50000	16.50000	14.35500	0.0	0.0	0.0	0.0	0.0
440.0000E 3	3.1236	16.87000	16.87000	13.30030	0.0	0.0	0.0	0.0	0.0
450.0000E 3	3.1011	13.94000	13.94000	9.23110	0.0	0.0	0.0	0.0	0.0
460.0000E 3	3.0791	10.86000	10.86000	6.55940	0.0	0.0	0.0	0.0	0.0
470.0000E 3	3.0576	8.61000	8.61000	4.84480	0.0	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	6.87000	6.87000	3.73380	0.0	0.0	0.0	0.0	0.0
490.0000E 3	3.0159	5.70000	5.70000	3.11280	0.0	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	4.97000	4.97000	2.77230	0.0	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	4.13000	4.13000	2.45570	0.0	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	3.65000	3.65000	2.33020	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
340.0000E 3	3.3814	0.0	0.0	0.0	-0.19560	0.0	0.0	0.0	0.0
350.0000E 3	3.3524	0.0	0.0	0.0	-0.20690	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	0.0	0.0	0.0	-0.21820	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	0.0	0.0	0.0	-0.22940	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.0	0.0	0.0	-0.23820	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	0.0	0.0	0.0	-0.23380	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.0	-0.19140	0.0	0.0	0.0	0.0
410.0000E 3	3.1942	0.0	0.0	0.0	-0.13050	0.0	0.0	0.0	0.0
420.0000E 3	3.1701	0.0	0.0	0.0	-0.03350	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	0.0	0.0	0.0	0.09450	0.0	0.0	0.0	0.0
433.0000E 3	3.1396	0.0	0.0	0.0	0.13000	0.0	0.0	0.0	0.0
440.0000E 3	3.1236	0.0	0.0	0.0	0.21160	0.0	0.0	0.0	0.0
450.0000E 3	3.1011	0.0	0.0	0.0	0.33780	0.0	0.0	0.0	0.0
460.0000E 3	3.0791	0.0	0.0	0.0	0.39600	0.0	0.0	0.0	0.0
470.0000E 3	3.0576	0.0	0.0	0.0	0.43730	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	0.0	0.0	0.0	0.45650	0.0	0.0	0.0	0.0
490.0000E 3	3.0159	0.0	0.0	0.0	0.45390	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.0	0.44220	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	0.0	0.0	0.0	0.40540	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.0	0.36160	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
560.0000E 3	2.8824	3.48000	3.48000	2.36360	0.0	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	3.34000	3.34000	2.40010	0.0	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	3.21000	3.21000	2.39920	0.0	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	3.09000	3.09000	2.37160	0.0	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	3.00000	3.00000	2.34300	0.0	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	2.92000	2.92000	2.31230	0.0	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	2.87000	2.87000	2.29940	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	2.83000	2.83000	2.29230	0.0	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	2.80000	2.80000	2.29520	0.0	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	2.79000	2.79000	2.31510	0.0	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	2.79000	2.79000	2.34530	0.0	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	2.79000	2.79000	2.37930	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	2.80000	2.80000	2.42400	0.0	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	2.82000	2.82000	2.48050	0.0	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	2.91000	2.91000	2.60150	0.0	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	3.06000	3.06000	2.78180	0.0	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	3.25000	3.25000	3.00500	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	3.50000	3.50000	3.29280	0.0	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	4.04000	4.04000	3.88240	0.0	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	4.74000	4.74000	4.66080	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
560.0000E 3	2.8824	0.0	0.0	0.0	0.32080	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	0.0	0.0	0.0	0.28140	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.0	0.0	0.0	0.25260	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.0	0.23250	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.0	0.21900	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	0.0	0.0	0.0	0.20810	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.0	0.0	0.0	0.19880	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	0.19000	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.0	0.0	0.0	0.18030	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	0.0	0.0	0.0	0.17020	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.0	0.0	0.0	0.15940	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	0.0	0.0	0.0	0.14720	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	0.13430	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.0	0.0	0.0	0.12040	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.0	0.0	0.0	0.10600	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.0	0.0	0.0	0.09090	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	0.0	0.0	0.0	0.07540	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.05920	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.0	0.0	0.0	0.03900	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.0	0.0	0.0	0.01670	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
960.0000E 3	2.3434	5.67000	5.67000	5.66720	0.0	0.0	0.0	0.0	0.0
970.0000E 3	2.3330	6.24000	6.24000	6.12330	0.0	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	6.92000	6.92000	6.63970	0.0	0.0	0.0	0.0	0.0
990.0000E 3	2.3126	7.77000	7.77000	7.30380	0.0	0.0	0.0	0.0	0.0
998.0000E 3	2.3046	8.30000	8.30000	7.77710	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	8.29000	8.29000	7.76940	0.0	0.0	0.0	0.0	0.0
1.0100E 6	2.2926	7.73000	7.73000	7.26540	0.0	0.0	0.0	0.0	0.0
1.0200E 6	2.2828	7.02000	7.02000	6.62830	0.0	0.0	0.0	0.0	0.0
1.0400E 6	2.2634	5.83000	5.83000	5.56070	0.0	0.0	0.0	0.0	0.0
1.0600E 6	2.2443	4.91000	4.91000	4.73720	0.0	0.0	0.0	0.0	0.0
1.0800E 6	2.2256	4.19000	4.19000	4.09280	0.0	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	3.66000	3.66000	3.62160	0.0	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	3.52000	3.52000	3.52990	0.0	0.0	0.0	0.0	0.0
1.1400E 6	2.1716	3.38000	3.38000	3.43640	0.0	0.0	0.0	0.0	0.0
1.1600E 6	2.1542	3.27000	3.27000	3.37270	0.0	0.0	0.0	0.0	0.0
1.1800E 6	2.1371	3.16000	3.16000	3.30470	0.0	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	3.08000	3.08000	3.26540	0.0	0.0	0.0	0.0	0.0
1.2200E 6	2.1037	3.03000	3.03000	3.25330	0.0	0.0	0.0	0.0	0.0
1.2400E 6	2.0875	3.02000	3.02000	3.25650	0.0	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	3.02000	3.02000	3.25190	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
960.0000E 3	2.3434	0.0	0.0	0.0	0.00050	0.0	0.0	0.0	0.0
970.0000E 3	2.3330	0.0	0.0	0.0	0.01870	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.0	0.0	0.0	0.04050	0.0	0.0	0.0	0.0
990.0000E 3	2.3126	0.0	0.0	0.0	0.06000	0.0	0.0	0.0	0.0
998.0000E 3	2.3046	0.0	0.0	0.0	0.06300	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.06280	0.0	0.0	0.0	0.0
1.0100E 6	2.2926	0.0	0.0	0.0	0.06010	0.0	0.0	0.0	0.0
1.0200E 6	2.2828	0.0	0.0	0.0	0.05580	0.0	0.0	0.0	0.0
1.0400E 6	2.2634	0.0	0.0	0.0	0.04620	0.0	0.0	0.0	0.0
1.0600E 6	2.2443	0.0	0.0	0.0	0.03520	0.0	0.0	0.0	0.0
1.0800E 6	2.2256	0.0	0.0	0.0	0.02320	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.0	0.0	0.0	0.01050	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	0.0	0.0	0.0	-0.00280	0.0	0.0	0.0	0.0
1.1400E 6	2.1716	0.0	0.0	0.0	-0.01670	0.0	0.0	0.0	0.0
1.1600E 6	2.1542	0.0	0.0	0.0	-0.03140	0.0	0.0	0.0	0.0
1.1800E 6	2.1371	0.0	0.0	0.0	-0.04580	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.0	0.0	0.0	-0.06020	0.0	0.0	0.0	0.0
1.2200E 6	2.1037	0.0	0.0	0.0	-0.07370	0.0	0.0	0.0	0.0
1.2400E 6	2.0875	0.0	0.0	0.0	-0.07830	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.0	0.0	0.0	-0.07680	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.2600E 6	2.0715	3.05000	3.05000	3.26440	0.0	0.0	0.0	0.0	0.0
1.2700E 6	2.0636	3.10000	3.10000	3.26590	0.0	0.0	0.0	0.0	0.0
1.2800E 6	2.0557	3.25000	3.25000	3.24510	0.0	0.0	0.0	0.0	0.0
1.2900E 6	2.0479	3.62000	3.62000	3.29420	0.0	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	4.48000	4.48000	3.66910	0.0	0.0	0.0	0.0	0.0
1.3100E 6	2.0326	5.81000	5.81000	4.25000	0.0	0.0	0.0	0.0	0.0
1.3200E 6	2.0250	5.39000	5.39000	3.46310	0.0	0.0	0.0	0.0	0.0
1.3300E 6	2.0174	4.76000	4.76000	2.67990	0.0	0.0	0.0	0.0	0.0
1.3400E 6	2.0099	4.22000	4.22000	2.39270	0.0	0.0	0.0	0.0	0.0
1.3600E 6	1.9951	3.48000	3.48000	2.19000	0.0	0.0	0.0	0.0	0.0
1.3800E 6	1.9805	2.99000	2.99000	2.13990	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	2.67000	2.67000	2.12350	0.0	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	2.32000	2.32000	2.01680	0.0	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	2.12000	2.12000	1.93730	0.0	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	1.99000	1.99000	1.90420	0.0	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	2.00000	2.00000	1.98260	0.0	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	2.02000	2.02000	2.00730	0.0	0.0	0.0	0.0	0.0
1.6200E 6	1.8202	2.07000	2.07000	2.05920	0.0	0.0	0.0	0.0	0.0
1.6300E 6	1.8140	2.32000	2.32000	2.30140	0.0	0.0	0.0	0.0	0.0
1.6400E 6	1.8079	3.50000	3.50000	3.43180	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.2600E 6	2.0715	0.0	0.0	0.0	-0.07030	0.0	0.0	0.0	0.0
1.2700E 6	2.0636	0.0	0.0	0.0	-0.05350	0.0	0.0	0.0	0.0
1.2800E 6	2.0557	0.0	0.0	0.0	0.00150	0.0	0.0	0.0	0.0
1.2900E 6	2.0479	0.0	0.0	0.0	0.09000	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.0	0.0	0.0	0.18100	0.0	0.0	0.0	0.0
1.3100E 6	2.0326	0.0	0.0	0.0	0.26850	0.0	0.0	0.0	0.0
1.3200E 6	2.0250	0.0	0.0	0.0	0.35750	0.0	0.0	0.0	0.0
1.3300E 6	2.0174	0.0	0.0	0.0	0.43700	0.0	0.0	0.0	0.0
1.3400E 6	2.0099	0.0	0.0	0.0	0.43300	0.0	0.0	0.0	0.0
1.3600E 6	1.9951	0.0	0.0	0.0	0.37070	0.0	0.0	0.0	0.0
1.3800E 6	1.9805	0.0	0.0	0.0	0.28430	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.0	0.0	0.0	0.20470	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.0	0.0	0.0	0.13070	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.0	0.0	0.0	0.08620	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	0.0	0.0	0.0	0.04310	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.00870	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	0.0	0.0	0.0	0.00630	0.0	0.0	0.0	0.0
1.6200E 6	1.8202	0.0	0.0	0.0	0.00520	0.0	0.0	0.0	0.0
1.6300E 6	1.8140	0.0	0.0	0.0	0.00800	0.0	0.0	0.0	0.0
1.6400E 6	1.8079	0.0	0.0	0.0	0.01950	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.6500E 6	1.8018	5.33000	5.33000	5.06880	0.0	0.0	0.0	0.0	0.0
1.6600E 6	1.7958	3.78000	3.78000	3.73090	0.0	0.0	0.0	0.0	0.0
1.6700E 6	1.7898	2.33000	2.33000	2.53714	0.0	0.0	0.0	0.0	0.0
1.6800E 6	1.7838	2.00000	2.00000	2.03840	0.0	0.0	0.0	0.0	0.0
1.6900E 6	1.7779	1.92000	1.92000	1.93380	0.0	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	1.86000	1.86000	1.85219	0.0	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	1.72000	1.72000	1.62351	0.0	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	1.63000	1.63000	1.51590	0.0	0.0	0.0	0.0	0.0
1.8100E 6	1.7093	1.65000	1.65000	1.52922	0.0	0.0	0.0	0.0	0.0
1.8200E 6	1.7037	1.78000	1.78000	1.64383	0.0	0.0	0.0	0.0	0.0
1.8250E 6	1.7010	2.33000	2.33000	2.17995	0.0	0.0	0.0	0.0	0.0
1.8300E 6	1.6983	3.79000	3.79000	3.59216	0.0	0.0	0.0	0.0	0.0
1.8400E 6	1.6928	2.73000	2.73000	2.54381	0.0	0.0	0.0	0.0	0.0
1.8500E 6	1.6874	2.01000	2.01000	1.80337	0.0	0.0	0.0	0.0	0.0
1.8600E 6	1.6820	1.91000	1.91000	1.59199	0.0	0.0	0.0	0.0	0.0
1.8700E 6	1.6766	1.92000	1.92000	1.48147	0.0	0.0	0.0	0.0	0.0
1.8800E 6	1.6713	2.05000	2.05000	1.45222	0.0	0.0	0.0	0.0	0.0
1.8900E 6	1.6660	2.33000	2.33000	1.49866	0.0	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	3.05000	3.05000	1.89588	0.0	0.0	0.0	0.0	0.0
1.9100E 6	1.6555	2.65000	2.65000	1.80015	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.6500E 6	1.8018	0.0	0.0	0.0	0.04900	0.0	0.0	0.0	0.0
1.6600E 6	1.7958	0.0	0.0	0.0	0.01300	0.0	0.0	0.0	0.0
1.6700E 6	1.7898	0.0	0.0	0.0	-0.08890	0.0	0.0	0.0	0.0
1.6800E 6	1.7838	0.0	0.0	0.0	-0.01920	0.0	0.0	0.0	0.0
1.6900E 6	1.7779	0.0	0.0	0.0	-0.00720	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	0.0	0.0	0.0	0.00420	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	0.0	0.0	0.0	0.05610	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.0	0.0	0.0	0.07000	0.0	0.0	0.0	0.0
1.8100E 6	1.7093	0.0	0.0	0.0	0.07320	0.0	0.0	0.0	0.0
1.8200E 6	1.7037	0.0	0.0	0.0	0.07650	0.0	0.0	0.0	0.0
1.8250E 6	1.7010	0.0	0.0	0.0	0.06440	0.0	0.0	0.0	0.0
1.8300E 6	1.6983	0.0	0.0	0.0	0.05220	0.0	0.0	0.0	0.0
1.8400E 6	1.6928	0.0	0.0	0.0	0.06820	0.0	0.0	0.0	0.0
1.8500E 6	1.6874	0.0	0.0	0.0	0.10280	0.0	0.0	0.0	0.0
1.8600E 6	1.6820	0.0	0.0	0.0	0.16650	0.0	0.0	0.0	0.0
1.8700E 6	1.6766	0.0	0.0	0.0	0.22840	0.0	0.0	0.0	0.0
1.8800E 6	1.6713	0.0	0.0	0.0	0.29160	0.0	0.0	0.0	0.0
1.8900E 6	1.6660	0.0	0.0	0.0	0.35680	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.0	0.0	0.0	0.37840	0.0	0.0	0.0	0.0
1.9100E 6	1.6555	0.0	0.0	0.0	0.32070	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.9200E 6	1.6503	2.19000	2.19000	1.66243	0.0	0.0	0.0	0.0	0.0
1.9300E 6	1.6451	2.02000	2.02000	1.63014	0.0	0.0	0.0	0.0	0.0
1.9400E 6	1.6399	1.88000	1.88000	1.57394	0.0	0.0	0.0	0.0	0.0
1.9500E 6	1.6348	1.79000	1.79000	1.53475	0.0	0.0	0.0	0.0	0.0
1.9600E 6	1.6296	1.72000	1.72000	1.50328	0.0	0.0	0.0	0.0	0.0
1.9800E 6	1.6195	1.62000	1.62000	1.45638	0.0	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	1.55000	1.55000	1.42507	0.0	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	1.44000	1.44000	1.36210	0.0	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	1.36000	1.36000	1.30329	0.0	0.0	0.0	0.0	0.0
2.1500E 6	1.5371	1.29000	1.29000	1.17725	0.0	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	1.20000	1.20000	1.06020	0.0	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	1.07000	1.07000	0.87633	0.0	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.90000	0.90000	0.64935	0.0	0.0	0.0	0.0	0.0
2.3200E 6	1.4610	0.79000	0.79000	0.53918	0.0	0.0	0.0	0.0	0.0
2.3400E 6	1.4524	0.65000	0.65000	0.41704	0.0	0.0	0.0	0.0	0.0
2.3500E 6	1.4482	0.56000	0.56000	0.36249	0.0	0.0	0.0	0.0	0.0
2.3600E 6	1.4439	0.45000	0.45000	0.29408	0.0	0.0	0.0	0.0	0.0
2.3700E 6	1.4397	0.33000	0.33000	0.21754	0.0	0.0	0.0	0.0	0.0
2.3800E 6	1.4355	0.37000	0.37000	0.24587	0.0	0.0	0.0	0.0	0.0
2.3900E 6	1.4313	0.54000	0.54000	0.36234	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.9200E 6	1.6503	0.0	0.0	0.0	0.24090	0.0	0.0	0.0	0.0
1.9300E 6	1.6451	0.0	0.0	0.0	0.19300	0.0	0.0	0.0	0.0
1.9400E 6	1.6399	0.0	0.0	0.0	0.16280	0.0	0.0	0.0	0.0
1.9500E 6	1.6348	0.0	0.0	0.0	0.14260	0.0	0.0	0.0	0.0
1.9600E 6	1.6296	0.0	0.0	0.0	0.12600	0.0	0.0	0.0	0.0
1.9800E 6	1.6195	0.0	0.0	0.0	0.10100	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.0	0.0	0.0	0.08060	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	0.0	0.0	0.0	0.05410	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.0	0.0	0.0	0.04170	0.0	0.0	0.0	0.0
2.1500E 6	1.5371	0.0	0.0	0.0	0.08740	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.0	0.0	0.0	0.11650	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	0.0	0.0	0.0	0.18100	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.0	0.0	0.0	0.27850	0.0	0.0	0.0	0.0
2.3200E 6	1.4610	0.0	0.0	0.0	0.31750	0.0	0.0	0.0	0.0
2.3400E 6	1.4524	0.0	0.0	0.0	0.35840	0.0	0.0	0.0	0.0
2.3500E 6	1.4482	0.0	0.0	0.0	0.35270	0.0	0.0	0.0	0.0
2.3600E 6	1.4439	0.0	0.0	0.0	0.34650	0.0	0.0	0.0	0.0
2.3700E 6	1.4397	0.0	0.0	0.0	0.34080	0.0	0.0	0.0	0.0
2.3800E 6	1.4355	0.0	0.0	0.0	0.33550	0.0	0.0	0.0	0.0
2.3900E 6	1.4313	0.0	0.0	0.0	0.32900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.4000E 6	1.4271	0.68000	0.68000	0.46002	0.0	0.0	0.0	0.0	0.0
2.4200E 6	1.4188	0.82000	0.82000	0.56432	0.0	0.0	0.0	0.0	0.0
2.4400E 6	1.4106	0.92000	0.92000	0.64428	0.0	0.0	0.0	0.0	0.0
2.4600E 6	1.4024	0.99000	0.99000	0.70419	0.0	0.0	0.0	0.0	0.0
2.4800E 6	1.3943	1.04000	1.04000	0.75296	0.0	0.0	0.0	0.0	0.0
2.5000E 6	1.3863	1.08000	1.08000	0.79380	0.0	0.0	0.0	0.0	0.0
2.5500E 6	1.3665	1.10000	1.10000	0.84084	0.0	0.0	0.0	0.0	0.0
2.5600E 6	1.3626	1.10000	1.10000	0.84513	0.0	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	1.11000	1.11000	0.83394	0.0	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	1.13000	1.13000	0.80287	0.0	0.0	0.0	0.0	0.0
2.7600E 6	1.2874	1.14000	1.14000	0.78307	0.0	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	1.15000	1.15000	0.80937	0.0	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	1.16000	1.16000	0.85747	0.0	0.0	0.0	0.0	0.0
2.9500E 6	1.2208	1.17000	1.17000	0.87188	0.0	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	1.18000	1.18000	1.00253	0.0	0.0	0.0	0.0	0.0
3.1000E 6	1.1712	1.58000	1.58000	1.21565	0.0	0.0	0.0	0.0	0.0
3.1700E 6	1.1489	2.00000	2.00000	1.51760	0.0	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	2.24000	2.24000	1.74272	0.0	0.0	0.0	0.0	0.0
3.2900E 6	1.1117	3.00000	3.00000	2.53020	0.0	0.0	0.0	0.0	0.0
3.3000E 6	1.1087	3.18000	3.18000	2.68583	0.0	0.0	0.0	0.0	0.0

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.4000E 6	1.4271	0.0	0.0	0.0	0.32350	0.0	0.0	0.0	0.0
2.4200E 6	1.4188	0.0	0.0	0.0	0.31180	0.0	0.0	0.0	0.0
2.4400E 6	1.4106	0.0	0.0	0.0	0.29970	0.0	0.0	0.0	0.0
2.4600E 6	1.4024	0.0	0.0	0.0	0.28870	0.0	0.0	0.0	0.0
2.4800E 6	1.3943	0.0	0.0	0.0	0.27600	0.0	0.0	0.0	0.0
2.5000E 6	1.3863	0.0	0.0	0.0	0.26500	0.0	0.0	0.0	0.0
2.5500E 6	1.3665	0.0	0.0	0.0	0.23560	0.0	0.0	0.0	0.0
2.5600E 6	1.3626	0.0	0.0	0.0	0.23170	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	0.0	0.0	0.0	0.24870	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	0.0	0.0	0.0	0.28950	0.0	0.0	0.0	0.0
2.7600E 6	1.2874	0.0	0.0	0.0	0.31310	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.0	0.0	0.0	0.29620	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	0.0	0.0	0.0	0.26080	0.0	0.0	0.0	0.0
2.9500E 6	1.2208	0.0	0.0	0.0	0.25480	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	0.0	0.0	0.0	0.15040	0.0	0.0	0.0	0.0
3.1000E 6	1.1712	0.0	0.0	0.0	0.23060	0.0	0.0	0.0	0.0
3.1700E 6	1.1489	0.0	0.0	0.0	0.24120	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	0.0	0.0	0.0	0.22200	0.0	0.0	0.0	0.0
3.2900E 6	1.1117	0.0	0.0	0.0	0.15660	0.0	0.0	0.0	0.0
3.3000E 6	1.1087	0.0	0.0	0.0	0.15540	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.4000E 6	1.0788	3.00000	3.00000	2.41770	0.0	0.0	0.0	0.0	0.0
3.4200E 6	1.0729	2.96000	2.96000	2.34728	0.0	0.0	0.0	0.0	0.0
3.4400E 6	1.0671	3.62000	3.62000	2.82324	0.0	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	2.94000	2.94000	2.11504	0.0	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	3.04000	3.04000	1.99120	0.0	0.0	0.0	0.0	0.0
3.6100E 6	1.0189	3.04000	3.04000	1.98178	0.0	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	2.99000	2.98800	1.92269	0.0	0.0	0.0	0.00200	0.00200
3.7000E 6	0.9943	2.94000	2.93600	1.87453	0.0	0.0	0.0	0.00400	0.00400
3.7300E 6	0.9862	2.98000	2.97500	1.91733	0.0	0.0	0.0	0.00500	0.00500
3.7700E 6	0.9755	4.62000	4.61400	3.34469	0.0	0.0	0.0	0.00600	0.00600
3.8000E 6	0.9676	2.88000	2.87300	2.20255	0.0	0.0	0.0	0.00700	0.00700
3.8400E 6	0.9571	2.50000	2.49100	1.56064	0.0	0.0	0.0	0.00900	0.00900
3.8700E 6	0.9493	2.38000	2.36700	1.49995	0.0	0.0	0.0	0.01300	0.01300
3.9000E 6	0.9416	2.29000	2.27300	1.45876	0.0	0.0	0.0	0.01700	0.01700
3.9100E 6	0.9390	2.27000	2.25200	1.43789	0.0	0.0	0.0	0.01800	0.01800
3.9400E 6	0.9314	2.20000	2.18000	1.38119	0.0	0.0	0.0	0.02000	0.02000
3.9500E 6	0.9289	2.18000	2.15700	1.35301	0.0	0.0	0.0	0.02300	0.02300
3.9800E 6	0.9213	2.11000	2.03900	1.25647	0.0	0.0	0.0	0.07100	0.07100
4.0000E 6	0.9163	2.03000	1.95500	1.17567	0.0	0.0	0.0	0.07500	0.07500
4.0100E 6	0.9138	1.96000	1.88400	1.11446	0.0	0.0	0.0	0.07600	0.07600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.4000E 6	1.0788	0.0	0.0	0.0	0.19410	0.0	0.0	0.0	0.0
3.4200E 6	1.0729	0.0	0.0	0.0	0.20700	0.0	0.0	0.0	0.0
3.4400E 6	1.0671	0.0	0.0	0.0	0.22010	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	0.0	0.0	0.0	0.28060	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	0.0	0.0	0.0	0.34500	0.0	0.0	0.0	0.0
3.6100E 6	1.0189	0.0	0.0	0.0	0.34810	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	0.0	0.0	0.00200	0.35720	0.0	0.0	0.0	0.0
3.7000E 6	0.9943	0.0	0.0	0.00400	0.36290	0.0	0.0	0.0	0.0
3.7300E 6	0.9862	0.0	0.0	0.00500	0.35720	0.0	0.0	0.0	0.0
3.7700E 6	0.9755	0.0	0.0	0.00600	0.27640	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	0.0	0.0	0.00700	0.23580	0.0	0.0	0.0	0.0
3.8400E 6	0.9571	0.0	0.0	0.00900	0.37710	0.0	0.0	0.0	0.0
3.8700E 6	0.9493	0.0	0.0	0.01300	0.37180	0.0	0.0	0.0	0.0
3.9000E 6	0.9416	0.0	0.0	0.01700	0.36570	0.0	0.0	0.0	0.0
3.9100E 6	0.9390	0.0	0.0	0.01800	0.36950	0.0	0.0	0.0	0.0
3.9400E 6	0.9314	0.0	0.0	0.02000	0.37560	0.0	0.0	0.0	0.0
3.9500E 6	0.9289	0.0	0.0	0.02300	0.38340	0.0	0.0	0.0	0.0
3.9800E 6	0.9213	0.0	0.0	0.07100	0.41860	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	0.0	0.0	0.07500	0.43700	0.0	0.0	0.0	0.0
4.0100E 6	0.9138	0.0	0.0	0.07600	0.44880	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.0200E 6	0.9113	1.89000	1.81400	1.07950	0.0	0.0	0.0	0.07600	0.07600
4.0400E 6	0.9063	1.59000	1.51700	0.92373	0.0	0.0	0.0	0.07300	0.07300
4.0600E 6	0.9014	1.28000	1.21000	0.82698	0.0	0.0	0.0	0.07000	0.07000
4.0700E 6	0.8989	1.21000	1.14400	0.90478	0.0	0.0	0.0	0.06600	0.06600
4.1000E 6	0.8916	1.11000	1.02700	1.00371	0.0	0.0	0.0	0.08300	0.08300
4.1500E 6	0.8795	1.42000	1.29100	1.34035	0.0	0.0	0.0	0.12900	0.12900
4.1800E 6	0.8723	1.91000	1.79300	1.55355	0.0	0.0	0.0	0.11700	0.11700
4.2000E 6	0.8675	2.06000	1.95000	1.57289	0.0	0.0	0.0	0.11000	0.11000
4.2200E 6	0.8627	1.96000	1.85800	1.41598	0.0	0.0	0.0	0.10200	0.10200
4.2500E 6	0.8557	1.50000	1.39500	1.16018	0.0	0.0	0.0	0.10500	0.10500
4.2700E 6	0.8510	1.40000	1.29700	1.10221	0.0	0.0	0.0	0.10300	0.10300
4.3000E 6	0.8440	2.00000	1.91000	1.27649	0.0	0.0	0.0	0.09000	0.09000
4.3200E 6	0.8393	2.92000	2.84500	1.77318	0.0	0.0	0.0	0.07500	0.07500
4.3500E 6	0.8324	2.62000	2.56600	1.15353	0.0	0.0	0.0	0.05400	0.05400
4.3700E 6	0.8278	2.36000	2.31900	0.81810	0.0	0.0	0.0	0.04100	0.04100
4.4000E 6	0.8210	2.07000	2.04200	0.92485	0.0	0.0	0.0	0.02800	0.02800
4.4100E 6	0.8187	2.00000	1.97300	1.07151	0.0	0.0	0.0	0.02700	0.02700
4.4300E 6	0.8142	1.89000	1.86200	1.07984	0.0	0.0	0.0	0.02800	0.02800
4.4500E 6	0.8097	1.75000	1.70400	0.87517	0.0	0.0	0.0	0.04600	0.04600
4.4600E 6	0.8074	1.55000	1.50300	0.70531	0.0	0.0	0.0	0.04700	0.04700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.0200E 6	0.9113	0.0	0.0	0.07600	0.44680	0.0	0.0	0.0	0.0
4.0400E 6	0.9063	0.0	0.0	0.07300	0.43920	0.0	0.0	0.0	0.0
4.0600E 6	0.9014	0.0	0.0	0.07000	0.37440	0.0	0.0	0.0	0.0
4.0700E 6	0.8989	0.0	0.0	0.06600	0.26680	0.0	0.0	0.0	0.0
4.1000E 6	0.8916	0.0	0.0	0.08300	0.10350	0.0	0.0	0.0	0.0
4.1500E 6	0.8795	0.0	0.0	0.12900	0.06170	0.0	0.0	0.0	0.0
4.1800E 6	0.8723	0.0	0.0	0.11700	0.19880	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	0.0	0.0	0.11000	0.24980	0.0	0.0	0.0	0.0
4.2200E 6	0.8627	0.0	0.0	0.10200	0.29280	0.0	0.0	0.0	0.0
4.2500E 6	0.8557	0.0	0.0	0.10500	0.24360	0.0	0.0	0.0	0.0
4.2700E 6	0.8510	0.0	0.0	0.10300	0.22960	0.0	0.0	0.0	0.0
4.3000E 6	0.8440	0.0	0.0	0.09000	0.37880	0.0	0.0	0.0	0.0
4.3200E 6	0.8393	0.0	0.0	0.07500	0.40310	0.0	0.0	0.0	0.0
4.3500E 6	0.8324	0.0	0.0	0.05400	0.57150	0.0	0.0	0.0	0.0
4.3700E 6	0.8278	0.0	0.0	0.04100	0.66490	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	0.0	0.0	0.02800	0.56080	0.0	0.0	0.0	0.0
4.4100E 6	0.8187	0.0	0.0	0.02700	0.47060	0.0	0.0	0.0	0.0
4.4300E 6	0.8142	0.0	0.0	0.02800	0.43510	0.0	0.0	0.0	0.0
4.4500E 6	0.8097	0.0	0.0	0.04600	0.51340	0.0	0.0	0.0	0.0
4.4600E 6	0.8074	0.0	0.0	0.04700	0.56200	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.4800E 6	0.8030	1.26000	1.22700	0.55754	0.0	0.0	0.0	0.03300	0.03300
4.4900E 6	0.8007	1.27000	1.23600	0.62493	0.0	0.0	0.0	0.03400	0.03400
4.5200E 6	0.7941	1.50000	1.44600	1.11117	0.0	0.0	0.0	0.05400	0.05400
4.5300E 6	0.7919	2.11000	2.06000	1.65124	0.0	0.0	0.0	0.05000	0.05000
4.5500E 6	0.7875	1.31000	1.28000	0.89298	0.0	0.0	0.0	0.03000	0.03000
4.5700E 6	0.7831	1.25000	1.21000	1.00038	0.0	0.0	0.0	0.04000	0.04000
4.5900E 6	0.7787	1.45000	1.39800	1.16593	0.0	0.0	0.0	0.05200	0.05200
4.6000E 6	0.7765	1.62000	1.55600	1.13531	0.0	0.0	0.0	0.06400	0.06400
4.6100E 6	0.7744	1.40000	1.31900	0.99362	0.0	0.0	0.0	0.08100	0.08100
4.6200E 6	0.7722	1.14000	1.04300	0.92525	0.0	0.0	0.0	0.09700	0.09700
4.6300E 6	0.7700	1.30000	1.19900	1.04833	0.0	0.0	0.0	0.10100	0.10100
4.6400E 6	0.7679	1.63000	1.54500	1.24344	0.0	0.0	0.0	0.08500	0.08500
4.6500E 6	0.7657	1.44000	1.37700	0.96893	0.0	0.0	0.0	0.06300	0.06300
4.6700E 6	0.7614	1.15000	1.11900	0.78767	0.0	0.0	0.0	0.03100	0.03100
4.6800E 6	0.7593	1.08000	1.05200	0.78481	0.0	0.0	0.0	0.02800	0.02800
4.7000E 6	0.7550	0.99000	0.96100	0.78175	0.0	0.0	0.0	0.02900	0.02900
4.7200E 6	0.7508	0.94000	0.90900	0.78411	0.0	0.0	0.0	0.03100	0.03100
4.7400E 6	0.7465	0.90000	0.86600	0.75339	0.0	0.0	0.0	0.03400	0.03400
4.7600E 6	0.7423	0.88000	0.84000	0.73888	0.0	0.0	0.0	0.04000	0.04000
4.7800E 6	0.7381	0.89000	0.83600	0.75081	0.0	0.0	0.0	0.05400	0.05400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.4800E 6	0.8030	0.0	0.0	0.03300	0.57250	0.0	0.0	0.0	0.0
4.4900E 6	0.8007	0.0	0.0	0.03400	0.52190	0.0	0.0	0.0	0.0
4.5200E 6	0.7941	0.0	0.0	0.05400	0.26890	0.0	0.0	0.0	0.0
4.5300E 6	0.7919	0.0	0.0	0.05000	0.22270	0.0	0.0	0.0	0.0
4.5500E 6	0.7875	0.0	0.0	0.03000	0.32580	0.0	0.0	0.0	0.0
4.5700E 6	0.7831	0.0	0.0	0.04000	0.20630	0.0	0.0	0.0	0.0
4.5900E 6	0.7787	0.0	0.0	0.05200	0.20320	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	0.0	0.0	0.06400	0.31150	0.0	0.0	0.0	0.0
4.6100E 6	0.7744	0.0	0.0	0.08100	0.30810	0.0	0.0	0.0	0.0
4.6200E 6	0.7722	0.0	0.0	0.09700	0.20590	0.0	0.0	0.0	0.0
4.6300E 6	0.7700	0.0	0.0	0.10100	0.20990	0.0	0.0	0.0	0.0
4.6400E 6	0.7679	0.0	0.0	0.08500	0.25020	0.0	0.0	0.0	0.0
4.6500E 6	0.7657	0.0	0.0	0.06300	0.34210	0.0	0.0	0.0	0.0
4.6700E 6	0.7614	0.0	0.0	0.03100	0.32380	0.0	0.0	0.0	0.0
4.6800E 6	0.7593	0.0	0.0	0.02800	0.28060	0.0	0.0	0.0	0.0
4.7000E 6	0.7550	0.0	0.0	0.02900	0.21670	0.0	0.0	0.0	0.0
4.7200E 6	0.7508	0.0	0.0	0.03100	0.17150	0.0	0.0	0.0	0.0
4.7400E 6	0.7465	0.0	0.0	0.03400	0.16930	0.0	0.0	0.0	0.0
4.7600E 6	0.7423	0.0	0.0	0.04000	0.16800	0.0	0.0	0.0	0.0
4.7800E 6	0.7381	0.0	0.0	0.05400	0.16650	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.8000E 6	0.7340	0.95000	0.88600	0.80363	0.0	0.0	0.0	0.06400	0.06400
4.8200E 6	0.7298	1.25000	1.17900	1.05688	0.0	0.0	0.0	0.07100	0.07100
4.8300E 6	0.7277	1.58000	1.50500	1.33469	0.0	0.0	0.0	0.07500	0.07500
4.8400E 6	0.7257	1.87000	1.79000	1.57948	0.0	0.0	0.0	0.08000	0.08000
4.8500E 6	0.7236	1.75000	1.66800	1.48062	0.0	0.0	0.0	0.08200	0.08200
4.8700E 6	0.7195	1.50000	1.43200	1.27088	0.0	0.0	0.0	0.06800	0.06800
4.8900E 6	0.7154	1.33000	1.27000	1.12871	0.0	0.0	0.0	0.06000	0.06000
4.9000E 6	0.7133	1.25000	1.19000	1.06222	0.0	0.0	0.0	0.06000	0.06000
4.9200E 6	0.7093	1.12000	1.05900	0.95427	0.0	0.0	0.0	0.06100	0.06100
4.9400E 6	0.7052	1.00000	0.93700	0.85467	0.0	0.0	0.0	0.06300	0.06300
4.9600E 6	0.7012	0.90000	0.83500	0.77158	0.0	0.0	0.0	0.06500	0.06500
4.9800E 6	0.6972	0.85000	0.78100	0.73098	0.0	0.0	0.0	0.06900	0.06900
4.9900E 6	0.6951	0.84000	0.76800	0.72349	0.0	0.0	0.0	0.07200	0.07200
5.0000E 6	0.6931	0.85000	0.77400	0.73305	0.0	0.0	0.0	0.07600	0.07600
5.0200E 6	0.6892	0.90000	0.81100	0.77340	0.0	0.0	0.0	0.08900	0.08900
5.0400E 6	0.6852	1.22000	1.10000	1.04279	0.0	0.0	0.0	0.12000	0.12000
5.0500E 6	0.6832	1.38000	1.23000	1.17877	0.0	0.0	0.0	0.15000	0.15000
5.0600E 6	0.6812	1.50000	1.35100	1.27560	0.0	0.0	0.0	0.14900	0.14900
5.0800E 6	0.6773	1.67000	1.53000	1.40822	0.0	0.0	0.0	0.14000	0.14000
5.1000E 6	0.6733	2.00000	1.87500	1.67000	0.0	0.0	0.0	0.12500	0.12500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.8000E 6	0.7340	0.0	0.0	0.06400	0.16520	0.0	0.0	0.0	0.0
4.8200E 6	0.7298	0.0	0.0	0.07100	0.16380	0.0	0.0	0.0	0.0
4.8300E 6	0.7277	0.0	0.0	0.07500	0.16300	0.0	0.0	0.0	0.0
4.8400E 6	0.7257	0.0	0.0	0.08000	0.16230	0.0	0.0	0.0	0.0
4.8500E 6	0.7236	0.0	0.0	0.08200	0.16150	0.0	0.0	0.0	0.0
4.8700E 6	0.7195	0.0	0.0	0.06800	0.16000	0.0	0.0	0.0	0.0
4.8900E 6	0.7154	0.0	0.0	0.06000	0.15850	0.0	0.0	0.0	0.0
4.9000E 6	0.7133	0.0	0.0	0.06000	0.15780	0.0	0.0	0.0	0.0
4.9200E 6	0.7093	0.0	0.0	0.06100	0.15650	0.0	0.0	0.0	0.0
4.9400E 6	0.7052	0.0	0.0	0.06300	0.15510	0.0	0.0	0.0	0.0
4.9600E 6	0.7012	0.0	0.0	0.06500	0.15380	0.0	0.0	0.0	0.0
4.9800E 6	0.6972	0.0	0.0	0.06900	0.15240	0.0	0.0	0.0	0.0
4.9900E 6	0.6951	0.0	0.0	0.07200	0.15170	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	0.0	0.0	0.07600	0.15110	0.0	0.0	0.0	0.0
5.0200E 6	0.6892	0.0	0.0	0.08900	0.15610	0.0	0.0	0.0	0.0
5.0400E 6	0.6852	0.0	0.0	0.12000	0.16110	0.0	0.0	0.0	0.0
5.0500E 6	0.6832	0.0	0.0	0.15000	0.16360	0.0	0.0	0.0	0.0
5.0600E 6	0.6812	0.0	0.0	0.14900	0.16610	0.0	0.0	0.0	0.0
5.0800E 6	0.6773	0.0	0.0	0.14000	0.17110	0.0	0.0	0.0	0.0
5.1000E 6	0.6733	0.0	0.0	0.12500	0.17600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.1100E 6	0.6714	3.15000	3.03000	2.60945	0.0	0.0	0.0	0.12000	0.12000
5.1200E 6	0.6694	2.85000	2.73500	2.35551	0.0	0.0	0.0	0.11500	0.11500
5.1300E 6	0.6675	2.51000	2.41000	2.06849	0.0	0.0	0.0	0.10000	0.10000
5.1500E 6	0.6636	1.80000	1.72500	1.47570	0.0	0.0	0.0	0.07500	0.07500
5.1600E 6	0.6616	1.50000	1.45000	1.22363	0.0	0.0	0.0	0.05000	0.05000
5.1800E 6	0.6578	1.25000	1.21500	1.01235	0.0	0.0	0.0	0.03500	0.03500
5.2000E 6	0.6539	1.20000	1.17700	0.96378	0.0	0.0	0.0	0.02300	0.02300
5.2500E 6	0.6444	1.07000	1.06400	0.84347	0.0	0.0	0.0	0.00600	0.00600
5.3000E 6	0.6349	0.93000	0.92500	0.72188	0.0	0.0	0.0	0.00500	0.00500
5.3200E 6	0.6311	0.91000	0.90300	0.70258	0.0	0.0	0.0	0.00700	0.00700
5.3500E 6	0.6255	1.36000	1.34300	1.04198	0.0	0.0	0.0	0.01700	0.01700
5.3700E 6	0.6218	0.98000	0.96200	0.74768	0.0	0.0	0.0	0.01800	0.01800
5.4000E 6	0.6162	0.85000	0.83500	0.64250	0.0	0.0	0.0	0.01500	0.01500
5.4200E 6	0.6125	0.86000	0.85600	0.64309	0.0	0.0	0.0	0.00400	0.00400
5.4400E 6	0.6088	0.89000	0.88700	0.66080	0.0	0.0	0.0	0.00300	0.00300
5.4500E 6	0.6070	0.91000	0.90800	0.67319	0.0	0.0	0.0	0.00200	0.00200
5.4600E 6	0.6051	0.93000	0.92800	0.68566	0.0	0.0	0.0	0.00200	0.00200
5.4800E 6	0.6015	0.96000	0.95800	0.70306	0.0	0.0	0.0	0.00200	0.00200
5.5000E 6	0.5978	1.00000	0.99800	0.72735	0.0	0.0	0.0	0.00200	0.00200
5.5500E 6	0.5888	1.39000	1.38700	0.99318	0.0	0.0	0.0	0.00300	0.00300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.1100E 6	0.6714	0.0	0.0	0.12000	0.17840	0.0	0.0	0.0	0.0
5.1200E 6	0.6694	0.0	0.0	0.11500	0.18080	0.0	0.0	0.0	0.0
5.1300E 6	0.6675	0.0	0.0	0.10000	0.18320	0.0	0.0	0.0	0.0
5.1500E 6	0.6636	0.0	0.0	0.07500	0.18800	0.0	0.0	0.0	0.0
5.1600E 6	0.6616	0.0	0.0	0.05000	0.19060	0.0	0.0	0.0	0.0
5.1800E 6	0.6578	0.0	0.0	0.03500	0.19560	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	0.0	0.0	0.02300	0.20070	0.0	0.0	0.0	0.0
5.2500E 6	0.6444	0.0	0.0	0.00600	0.21290	0.0	0.0	0.0	0.0
5.3000E 6	0.6349	0.0	0.0	0.00500	0.22500	0.0	0.0	0.0	0.0
5.3200E 6	0.6311	0.0	0.0	0.00700	0.22970	0.0	0.0	0.0	0.0
5.3500E 6	0.6255	0.0	0.0	0.01700	0.23680	0.0	0.0	0.0	0.0
5.3700E 6	0.6218	0.0	0.0	0.01800	0.24150	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	0.0	0.0	0.01500	0.24850	0.0	0.0	0.0	0.0
5.4200E 6	0.6125	0.0	0.0	0.00400	0.25340	0.0	0.0	0.0	0.0
5.4400E 6	0.6088	0.0	0.0	0.00300	0.25840	0.0	0.0	0.0	0.0
5.4500E 6	0.6070	0.0	0.0	0.00200	0.26080	0.0	0.0	0.0	0.0
5.4600E 6	0.6051	0.0	0.0	0.00200	0.26330	0.0	0.0	0.0	0.0
5.4800E 6	0.6015	0.0	0.0	0.00200	0.26820	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	0.0	0.0	0.00200	0.27320	0.0	0.0	0.0	0.0
5.5500E 6	0.5888	0.0	0.0	0.00300	0.28610	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.6000E 6	0.5798	1.73000	1.72500	1.21423	0.0	0.0	0.0	0.00500	0.00500
5.6300E 6	0.5745	1.79000	1.78300	1.24351	0.0	0.0	0.0	0.00700	0.00700
5.6600E 6	0.5692	1.59000	1.58000	1.09167	0.0	0.0	0.0	0.01000	0.01000
5.6800E 6	0.5656	1.46000	1.44000	1.01475	0.0	0.0	0.0	0.02000	0.02000
5.7000E 6	0.5621	1.37000	1.35500	0.96079	0.0	0.0	0.0	0.01500	0.01500
5.7500E 6	0.5534	1.21000	1.20200	0.86839	0.0	0.0	0.0	0.00800	0.00800
5.8000E 6	0.5447	1.10000	1.09100	0.80903	0.0	0.0	0.0	0.00900	0.00900
5.8300E 6	0.5396	1.07000	1.06000	0.79843	0.0	0.0	0.0	0.01000	0.01000
5.8500E 6	0.5361	1.17000	1.15900	0.88106	0.0	0.0	0.0	0.01100	0.01100
5.8800E 6	0.5310	1.80000	1.78500	1.37339	0.0	0.0	0.0	0.01500	0.01500
5.9000E 6	0.5276	2.25000	2.21700	1.73632	0.0	0.0	0.0	0.03300	0.03300
5.9300E 6	0.5226	1.28000	1.20100	1.01434	0.0	0.0	0.0	0.07900	0.07900
5.9500E 6	0.5192	0.79000	0.74000	0.63149	0.0	0.0	0.0	0.05000	0.05000
5.9900E 6	0.5125	1.35000	1.33400	1.08253	0.0	0.0	0.0	0.01600	0.01600
6.0000E 6	0.5108	1.22000	1.20700	0.98319	0.0	0.0	0.0	0.01300	0.01300
6.0400E 6	0.5042	0.92000	0.89700	0.74778	0.0	0.0	0.0	0.02300	0.02300
6.0500E 6	0.5025	0.97000	0.94400	0.78998	0.0	0.0	0.0	0.02600	0.02600
6.0800E 6	0.4976	1.26000	1.19500	1.03654	0.0	0.0	0.0	0.06500	0.06500
6.1000E 6	0.4943	1.01000	0.93900	0.83685	0.0	0.0	0.0	0.07100	0.07100
6.1500E 6	0.4861	0.89000	0.86100	0.73674	0.0	0.0	0.0	0.02900	0.02900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.6000E 6	0.5798	0.0	0.0	0.00500	0.29900	0.0	0.0	0.0	0.0
5.6300E 6	0.5745	0.0	0.0	0.00700	0.30650	0.0	0.0	0.0	0.0
5.6600E 6	0.5692	0.0	0.0	0.01000	0.31540	0.0	0.0	0.0	0.0
5.6800E 6	0.5656	0.0	0.0	0.02000	0.30920	0.0	0.0	0.0	0.0
5.7000E 6	0.5621	0.0	0.0	0.01500	0.30200	0.0	0.0	0.0	0.0
5.7500E 6	0.5534	0.0	0.0	0.00800	0.28420	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	0.0	0.0	0.00900	0.26670	0.0	0.0	0.0	0.0
5.8300E 6	0.5396	0.0	0.0	0.01000	0.25620	0.0	0.0	0.0	0.0
5.8500E 6	0.5361	0.0	0.0	0.01100	0.24930	0.0	0.0	0.0	0.0
5.8800E 6	0.5310	0.0	0.0	0.01500	0.23900	0.0	0.0	0.0	0.0
5.9000E 6	0.5276	0.0	0.0	0.03300	0.23170	0.0	0.0	0.0	0.0
5.9300E 6	0.5226	0.0	0.0	0.07900	0.22120	0.0	0.0	0.0	0.0
5.9500E 6	0.5192	0.0	0.0	0.05000	0.21420	0.0	0.0	0.0	0.0
5.9900E 6	0.5125	0.0	0.0	0.01600	0.20050	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	0.0	0.0	0.01300	0.19620	0.0	0.0	0.0	0.0
6.0400E 6	0.5042	0.0	0.0	0.02300	0.19200	0.0	0.0	0.0	0.0
6.0500E 6	0.5025	0.0	0.0	0.02600	0.19070	0.0	0.0	0.0	0.0
6.0800E 6	0.4976	0.0	0.0	0.06500	0.18700	0.0	0.0	0.0	0.0
6.1000E 6	0.4943	0.0	0.0	0.07100	0.18440	0.0	0.0	0.0	0.0
6.1500E 6	0.4861	0.0	0.0	0.02900	0.17800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.2000E 6	0.4780	0.86000	0.81800	0.71955	0.0	0.0	0.0	0.04200	0.04200
6.2500E 6	0.4700	0.80000	0.76200	0.67397	0.0	0.0	0.0	0.03800	0.03800
6.3000E 6	0.4620	0.84000	0.80000	0.71272	0.0	0.0	0.0	0.04000	0.04000
6.3500E 6	0.4541	1.03000	0.97500	0.88131	0.0	0.0	0.0	0.05500	0.05500
6.3800E 6	0.4494	1.41000	1.31200	1.21451	0.0	0.0	0.0	0.09800	0.09800
6.3900E 6	0.4479	1.52000	1.39700	1.31366	0.0	0.0	0.0	0.12300	0.12300
6.4000E 6	0.4463	1.26000	1.11300	1.09706	0.0	0.0	0.0	0.14700	0.14700
6.4200E 6	0.4432	0.90000	0.74300	0.79316	0.0	0.0	0.0	0.15700	0.15700
6.4400E 6	0.4401	0.75000	0.60300	0.66486	0.0	0.0	0.0	0.14700	0.14700
6.4500E 6	0.4385	0.68000	0.55000	0.60300	0.0	0.0	0.0	0.13000	0.13000
6.4800E 6	0.4339	0.60000	0.51000	0.53039	0.0	0.0	0.0	0.09000	0.09000
6.5000E 6	0.4308	0.61000	0.53000	0.53909	0.0	0.0	0.0	0.08000	0.08000
6.5400E 6	0.4246	0.73000	0.60000	0.65278	0.0	0.0	0.0	0.13000	0.13000
6.5500E 6	0.4231	0.77000	0.63300	0.68929	0.0	0.0	0.0	0.13500	0.13500
6.5900E 6	0.4170	0.91000	0.76700	0.81627	0.0	0.0	0.0	0.13900	0.13900
6.6000E 6	0.4155	0.94000	0.80000	0.84304	0.0	0.0	0.0	0.13500	0.13500
6.6200E 6	0.4125	0.98000	0.84200	0.87997	0.0	0.0	0.0	0.13000	0.13000
6.6500E 6	0.4080	1.02000	0.89800	0.91655	0.0	0.0	0.0	0.11100	0.11100
6.7000E 6	0.4005	1.03000	0.92500	0.92918	0.0	0.0	0.0	0.08500	0.08500
6.7500E 6	0.3930	1.19000	1.08300	1.07899	0.0	0.0	0.0	0.07200	0.07200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.2000E 6	0.4780	0.0	0.0	0.04200	0.17170	0.0	0.0	0.0	0.0
6.2500E 6	0.4700	0.0	0.0	0.03800	0.16540	0.0	0.0	0.0	0.0
6.3000E 6	0.4620	0.0	0.0	0.04000	0.15910	0.0	0.0	0.0	0.0
6.3500E 6	0.4541	0.0	0.0	0.05500	0.15250	0.0	0.0	0.0	0.0
6.3800E 6	0.4494	0.0	0.0	0.09800	0.14900	0.0	0.0	0.0	0.0
6.3900E 6	0.4479	0.0	0.0	0.12300	0.14770	0.0	0.0	0.0	0.0
6.4000E 6	0.4463	0.0	0.0	0.14700	0.14640	0.0	0.0	0.0	0.0
6.4200E 6	0.4432	0.0	0.0	0.15700	0.14380	0.0	0.0	0.0	0.0
6.4400E 6	0.4401	0.0	0.0	0.14700	0.14120	0.0	0.0	0.0	0.0
6.4500E 6	0.4385	0.0	0.0	0.13000	0.14000	0.0	0.0	0.0	0.0
6.4800E 6	0.4339	0.0	0.0	0.09000	0.13650	0.0	0.0	0.0	0.0
6.5000E 6	0.4308	0.0	0.0	0.08000	0.13380	0.0	0.0	0.0	0.0
6.5400E 6	0.4246	0.0	0.0	0.13000	0.12870	0.0	0.0	0.0	0.0
6.5500E 6	0.4231	0.00200	0.0	0.13700	0.12750	0.0	0.0	0.0	0.0
6.5900E 6	0.4170	0.00400	0.0	0.14300	0.12220	0.0	0.0	0.0	0.0
6.6000E 6	0.4155	0.00500	0.0	0.14000	0.12120	0.0	0.0	0.0	0.0
6.6200E 6	0.4125	0.00800	0.0	0.13800	0.11880	0.0	0.0	0.0	0.0
6.6500E 6	0.4080	0.01100	0.0	0.12200	0.11520	0.0	0.0	0.0	0.0
6.7000E 6	0.4005	0.02000	0.0	0.10500	0.10900	0.0	0.0	0.0	0.0
6.7500E 6	0.3930	0.03500	0.0	0.10700	0.10250	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.7600E 6	0.3916	1.25000	1.13400	1.13513	0.0	0.0	0.0	0.07500	0.07500
6.7900E 6	0.3871	1.52000	1.33600	1.38934	0.0	0.0	0.0	0.09000	0.09000
6.8000E 6	0.3857	1.28000	1.07300	1.17656	0.0	0.0	0.0	0.09500	0.09500
6.8300E 6	0.3813	1.03000	0.79600	0.95613	0.0	0.0	0.0	0.10600	0.10600
6.8500E 6	0.3783	0.95000	0.72800	0.88433	0.0	0.0	0.0	0.09500	0.09500
6.8600E 6	0.3769	0.92000	0.71300	0.85654	0.0	0.0	0.0	0.08500	0.08500
6.9000E 6	0.3711	0.84000	0.73700	0.77802	0.0	0.0	0.0	0.05800	0.05800
6.9200E 6	0.3682	0.82000	0.73000	0.76043	0.0	0.0	0.0	0.05700	0.05700
6.9500E 6	0.3638	0.81000	0.72400	0.75382	0.0	0.0	0.0	0.05700	0.05700
6.9600E 6	0.3624	0.83000	0.74200	0.77324	0.0	0.0	0.0	0.05900	0.05900
7.0000E 6	0.3567	0.93000	0.81600	0.87141	0.0	0.0	0.0	0.06300	0.06300
7.0400E 6	0.3510	1.04000	0.89500	0.97314	0.0	0.0	0.0	0.07500	0.07500
7.0700E 6	0.3467	1.06000	0.89600	0.99110	0.0	0.0	0.0	0.08000	0.08000
7.1000E 6	0.3425	1.06000	0.90500	0.98814	0.0	0.0	0.0	0.07000	0.07000
7.1100E 6	0.3411	1.06000	0.90400	0.98750	0.0	0.0	0.0	0.07200	0.07200
7.1400E 6	0.3369	1.06000	0.89100	0.98658	0.0	0.0	0.0	0.09500	0.09500
7.1500E 6	0.3355	1.07000	0.87900	0.99669	0.0	0.0	0.0	0.11500	0.11500
7.1800E 6	0.3313	1.70000	1.42400	1.57782	0.0	0.0	0.0	0.16500	0.16500
7.2000E 6	0.3285	1.57000	1.24000	1.46138	0.0	0.0	0.0	0.19500	0.19500
7.2200E 6	0.3257	1.47000	1.13200	1.36959	0.0	0.0	0.0	0.20500	0.20500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.7600E 6	0.3916	0.04100	0.0	0.11600	0.10130	0.0	0.0	0.0	0.0
6.7900E 6	0.3871	0.09400	0.0	0.18400	0.09780	0.0	0.0	0.0	0.0
6.8000E 6	0.3857	0.11200	0.0	0.20700	0.09640	0.0	0.0	0.0	0.0
6.8300E 6	0.3813	0.12800	0.0	0.23400	0.09280	0.0	0.0	0.0	0.0
6.8500E 6	0.3783	0.12700	0.0	0.22200	0.09020	0.0	0.0	0.0	0.0
6.8600E 6	0.3769	0.12200	0.0	0.20700	0.08900	0.0	0.0	0.0	0.0
6.9000E 6	0.3711	0.04500	0.0	0.10300	0.08410	0.0	0.0	0.0	0.0
6.9200E 6	0.3682	0.03300	0.0	0.09000	0.08160	0.0	0.0	0.0	0.0
6.9500E 6	0.3638	0.02900	0.0	0.08600	0.07760	0.0	0.0	0.0	0.0
6.9600E 6	0.3624	0.02900	0.0	0.08800	0.07650	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	0.05100	0.0	0.11400	0.07180	0.0	0.0	0.0	0.0
7.0400E 6	0.3510	0.07000	0.0	0.14500	0.07470	0.0	0.0	0.0	0.0
7.0700E 6	0.3467	0.08400	0.0	0.16400	0.07690	0.0	0.0	0.0	0.0
7.1000E 6	0.3425	0.08500	0.0	0.15500	0.07940	0.0	0.0	0.0	0.0
7.1100E 6	0.3411	0.08400	0.0	0.15600	0.08020	0.0	0.0	0.0	0.0
7.1400E 6	0.3369	0.07400	0.0	0.16900	0.08240	0.0	0.0	0.0	0.0
7.1500E 6	0.3355	0.07600	0.0	0.19100	0.08340	0.0	0.0	0.0	0.0
7.1800E 6	0.3313	0.11100	0.0	0.27600	0.08580	0.0	0.0	0.0	0.0
7.2000E 6	0.3285	0.13500	0.0	0.33000	0.08760	0.0	0.0	0.0	0.0
7.2200E 6	0.3257	0.13300	0.0	0.33800	0.08870	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.2400E 6	0.3230	1.40000	1.07500	1.30293	0.0	0.0	0.0	0.19500	0.19500
7.3000E 6	0.3147	1.28000	1.01800	1.18309	0.0	0.0	0.0	0.09000	0.09000
7.3200E 6	0.3120	1.26000	0.98700	1.16485	0.0	0.0	0.0	0.08700	0.08700
7.3700E 6	0.3052	1.27000	0.96900	1.17281	0.0	0.0	0.0	0.08000	0.08000
7.3800E 6	0.3038	1.28000	0.97700	1.18113	0.0	0.0	0.0	0.07500	0.07500
7.4000E 6	0.3011	1.26000	0.94700	1.16246	0.0	0.0	0.0	0.07100	0.07100
7.4100E 6	0.2998	1.23000	0.92300	1.13438	0.0	0.0	0.0	0.06900	0.06900
7.4500E 6	0.2944	1.10000	0.81900	1.01269	0.0	0.0	0.0	0.06000	0.06000
7.4700E 6	0.2917	1.06000	0.78800	0.97474	0.0	0.0	0.0	0.05800	0.05800
7.5000E 6	0.2877	1.05000	0.78500	0.96310	0.0	0.0	0.0	0.05500	0.05500
7.5500E 6	0.2810	1.06000	0.80200	0.96817	0.0	0.0	0.0	0.05300	0.05300
7.6000E 6	0.2744	1.08000	0.82000	0.98299	0.0	0.0	0.0	0.05500	0.05500
7.6500E 6	0.2679	1.12000	0.86500	1.01421	0.0	0.0	0.0	0.04800	0.04800
7.7000E 6	0.2614	1.20000	0.92800	1.08289	0.0	0.0	0.0	0.04100	0.04100
7.8000E 6	0.2485	1.44000	1.06300	1.29756	0.0	0.0	0.0	0.04800	0.04800
7.8100E 6	0.2472	1.45000	1.06700	1.30628	0.0	0.0	0.0	0.05000	0.05000
7.8700E 6	0.2395	1.23000	0.81900	1.11583	0.0	0.0	0.0	0.05500	0.05500
7.9000E 6	0.2357	1.08000	0.66600	0.98563	0.0	0.0	0.0	0.05800	0.05800
7.9300E 6	0.2319	0.93000	0.52700	0.85416	0.0	0.0	0.0	0.06000	0.06000
7.9700E 6	0.2269	0.79000	0.46000	0.72215	0.0	0.0	0.0	0.05800	0.05800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.2400E 6	0.3230	0.13000	0.0	0.32500	0.09030	0.0	0.0	0.0	0.0
7.3000E 6	0.3147	0.17200	0.0	0.26200	0.09520	0.0	0.0	0.0	0.0
7.3200E 6	0.3120	0.18600	0.0	0.27300	0.09640	0.0	0.0	0.0	0.0
7.3700E 6	0.3052	0.22100	0.0	0.30100	0.10030	0.0	0.0	0.0	0.0
7.3800E 6	0.3038	0.22800	0.0	0.30300	0.10120	0.0	0.0	0.0	0.0
7.4000E 6	0.3011	0.24200	0.0	0.31300	0.10300	0.0	0.0	0.0	0.0
7.4100E 6	0.2998	0.23800	0.0	0.30700	0.10360	0.0	0.0	0.0	0.0
7.4500E 6	0.2944	0.22100	0.0	0.28100	0.10660	0.0	0.0	0.0	0.0
7.4700E 6	0.2917	0.21400	0.0	0.27200	0.10820	0.0	0.0	0.0	0.0
7.5000E 6	0.2877	0.21000	0.0	0.26500	0.11070	0.0	0.0	0.0	0.0
7.5500E 6	0.2810	0.20500	0.0	0.25800	0.11450	0.0	0.0	0.0	0.0
7.6000E 6	0.2744	0.20500	0.0	0.26000	0.11830	0.0	0.0	0.0	0.0
7.6500E 6	0.2679	0.20700	0.0	0.25500	0.12230	0.0	0.0	0.0	0.0
7.7000E 6	0.2614	0.23100	0.0	0.27200	0.12620	0.0	0.0	0.0	0.0
7.8000E 6	0.2485	0.32900	0.0	0.37700	0.13400	0.0	0.0	0.0	0.0
7.8100E 6	0.2472	0.33300	0.0	0.38300	0.13470	0.0	0.0	0.0	0.0
7.8700E 6	0.2395	0.35600	0.0	0.41100	0.13940	0.0	0.0	0.0	0.0
7.9000E 6	0.2357	0.35600	0.0	0.41400	0.14170	0.0	0.0	0.0	0.0
7.9300E 6	0.2319	0.34300	0.0	0.40300	0.14390	0.0	0.0	0.0	0.0
7.9700E 6	0.2269	0.27200	0.0	0.33000	0.14750	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.0000E 6	0.2231	0.75000	0.50900	0.67329	0.0	0.0	0.0	0.05000	0.05000
8.0500E 6	0.2169	0.80000	0.56700	0.71229	0.0	0.0	0.0	0.07100	0.07100
8.1000E 6	0.2107	0.93000	0.67800	0.82233	0.0	0.0	0.0	0.06800	0.06800
8.2000E 6	0.1985	1.24000	0.87800	1.09329	0.0	0.0	0.0	0.07600	0.07600
8.3000E 6	0.1863	1.33000	0.92100	1.16855	0.0	0.0	0.0	0.05400	0.05400
8.3500E 6	0.1803	1.31000	0.87900	1.15222	0.0	0.0	0.0	0.05900	0.05900
8.4000E 6	0.1744	1.27000	0.84000	1.11569	0.0	0.0	0.0	0.06300	0.06300
8.5000E 6	0.1625	1.11000	0.68100	0.97932	0.0	0.0	0.0	0.05300	0.05300
8.5100E 6	0.1613	1.09000	0.66000	0.96282	0.0	0.0	0.0	0.05400	0.05400
8.5400E 6	0.1578	1.05000	0.62000	0.92898	0.0	0.0	0.0	0.05600	0.05600
8.6000E 6	0.1508	1.10000	0.68800	0.96233	0.0	0.0	0.0	0.06200	0.06200
8.6700E 6	0.1427	1.14000	0.74100	0.98743	0.0	0.0	0.0	0.06900	0.06900
8.7000E 6	0.1393	1.21000	0.82100	1.03890	0.0	0.0	0.0	0.06600	0.06600
8.7500E 6	0.1335	1.35000	0.95900	1.14621	0.0	0.0	0.0	0.06600	0.06600
8.8000E 6	0.1278	1.29000	0.87200	1.10112	0.0	0.0	0.0	0.06800	0.06800
8.8400E 6	0.1233	1.17000	0.73200	1.00903	0.0	0.0	0.0	0.06800	0.06800
8.9000E 6	0.1165	1.05000	0.63400	0.90748	0.0	0.0	0.0	0.06900	0.06900
8.9500E 6	0.1109	1.08000	0.68000	0.92428	0.0	0.0	0.0	0.07000	0.07000
9.0000E 6	0.1054	1.19000	0.77800	1.00865	0.0	0.0	0.0	0.07100	0.07100
9.0500E 6	0.0998	1.26000	0.80600	1.06882	0.0	0.0	0.0	0.07100	0.07100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.0000E 6	0.2231	0.19100	0.0	0.24100	0.15070	0.0	0.0	0.0	0.0
8.0500E 6	0.2169	0.16200	0.0	0.23300	0.15470	0.0	0.0	0.0	0.0
8.1000E 6	0.2107	0.18400	0.0	0.25200	0.15880	0.0	0.0	0.0	0.0
8.2000E 6	0.1985	0.28600	0.0	0.36200	0.16710	0.0	0.0	0.0	0.0
8.3000E 6	0.1863	0.35500	0.0	0.40900	0.17530	0.0	0.0	0.0	0.0
8.3500E 6	0.1803	0.37200	0.0	0.43100	0.17950	0.0	0.0	0.0	0.0
8.4000E 6	0.1744	0.36700	0.0	0.43000	0.18370	0.0	0.0	0.0	0.0
8.5000E 6	0.1625	0.37600	0.0	0.42900	0.19190	0.0	0.0	0.0	0.0
8.5100E 6	0.1613	0.37600	0.0	0.43000	0.19270	0.0	0.0	0.0	0.0
8.5400E 6	0.1578	0.37400	0.0	0.43000	0.19520	0.0	0.0	0.0	0.0
8.6000E 6	0.1508	0.35000	0.0	0.41200	0.20010	0.0	0.0	0.0	0.0
8.6700E 6	0.1427	0.33000	0.0	0.39900	0.20590	0.0	0.0	0.0	0.0
8.7000E 6	0.1393	0.32300	0.0	0.38900	0.20840	0.0	0.0	0.0	0.0
8.7500E 6	0.1335	0.32500	0.0	0.39100	0.21250	0.0	0.0	0.0	0.0
8.8000E 6	0.1278	0.35000	0.0	0.41800	0.21660	0.0	0.0	0.0	0.0
8.8400E 6	0.1233	0.37000	0.0	0.43800	0.21990	0.0	0.0	0.0	0.0
8.9000E 6	0.1165	0.34700	0.0	0.41600	0.22480	0.0	0.0	0.0	0.0
8.9500E 6	0.1109	0.33000	0.0	0.40000	0.22900	0.0	0.0	0.0	0.0
9.0000E 6	0.1054	0.34100	0.0	0.41200	0.23310	0.0	0.0	0.0	0.0
9.0500E 6	0.0998	0.38300	0.0	0.45400	0.23720	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.1000E 6	0.0943	1.18000	0.68400	1.01495	0.0	0.0	0.0	0.07200	0.07200
9.1600E 6	0.0877	1.02000	0.56500	0.88090	0.0	0.0	0.0	0.07300	0.07300
9.2000E 6	0.0834	1.01000	0.56400	0.86923	0.0	0.0	0.0	0.07400	0.07400
9.3000E 6	0.0726	1.08000	0.66000	0.90985	0.0	0.0	0.0	0.07600	0.07600
9.3400E 6	0.0683	1.09000	0.66600	0.91604	0.0	0.0	0.0	0.07600	0.07600
9.4000E 6	0.0619	1.11000	0.72100	0.91807	0.0	0.0	0.0	0.07700	0.07700
9.4100E 6	0.0608	1.11000	0.72200	0.91723	0.0	0.0	0.0	0.07700	0.07700
9.4500E 6	0.0566	1.13000	0.74800	0.92782	0.0	0.0	0.0	0.07700	0.07700
9.5000E 6	0.0513	1.15000	0.76400	0.94028	0.0	0.0	0.0	0.07800	0.07800
9.6000E 6	0.0408	1.15000	0.75400	0.93677	0.0	0.0	0.0	0.08000	0.08000
9.7000E 6	0.0305	1.20000	0.78700	0.97098	0.0	0.0	0.0	0.08100	0.08100
9.8000E 6	0.0202	1.22000	0.78100	0.98625	0.0	0.0	0.0	0.08300	0.08300
9.8500E 6	0.0151	1.21000	0.75000	0.98245	0.0	0.0	0.0	0.08400	0.08400
9.8900E 6	0.0111	1.24000	0.76300	1.00599	0.0	0.0	0.0	0.08500	0.08500
9.9000E 6	0.0101	1.25000	0.76900	1.01353	0.0	0.0	0.0	0.08500	0.08500
10.0000E 6	0.0000	1.26000	0.76700	1.01786	0.0	0.0	0.0	0.08600	0.08600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.1000E 6	0.0943	0.42400	0.0	0.49600	0.24130	0.0	0.0	0.0	0.0
9.1600E 6	0.0877	0.38200	0.0	0.45500	0.24620	0.0	0.0	0.0	0.0
9.2000E 6	0.0834	0.37200	0.0	0.44600	0.24960	0.0	0.0	0.0	0.0
9.3000E 6	0.0726	0.34400	0.0	0.42000	0.25780	0.0	0.0	0.0	0.0
9.3400E 6	0.0683	0.34800	0.0	0.42400	0.26120	0.0	0.0	0.0	0.0
9.4000E 6	0.0619	0.31200	0.0	0.38900	0.26620	0.0	0.0	0.0	0.0
9.4100E 6	0.0608	0.31100	0.0	0.38800	0.26700	0.0	0.0	0.0	0.0
9.4500E 6	0.0566	0.30500	0.0	0.38200	0.27030	0.0	0.0	0.0	0.0
9.5000E 6	0.0513	0.30800	0.0	0.38600	0.27450	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	0.31600	0.0	0.39600	0.28280	0.0	0.0	0.0	0.0
9.7000E 6	0.0305	0.33200	0.0	0.41300	0.29100	0.0	0.0	0.0	0.0
9.8000E 6	0.0202	0.35600	0.0	0.43900	0.29930	0.0	0.0	0.0	0.0
9.8500E 6	0.0151	0.37600	0.0	0.46000	0.30340	0.0	0.0	0.0	0.0
9.8900E 6	0.0111	0.39200	0.0	0.47700	0.30670	0.0	0.0	0.0	0.0
9.9000E 6	0.0101	0.39600	0.0	0.48100	0.30750	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.40700	0.0	0.49300	0.31570	0.0	0.0	0.0	0.0

MATERIAL NA 23 NA 23-CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	6.03950	3.34250	5.94257	2.69700	0.0	0.0	0.0	2.69700
1.5000E-3	22.6204	5.54450	3.34250	5.44757	2.20200	0.0	0.0	0.0	2.20200
2.0000E-3	22.3327	5.24950	3.34250	5.15257	1.90700	0.0	0.0	0.0	1.90700
2.5000E-3	22.1096	5.04850	3.34250	4.95157	1.70600	0.0	0.0	0.0	1.70600
3.0000E-3	21.9272	4.89950	3.34250	4.80257	1.55700	0.0	0.0	0.0	1.55700
4.0000E-3	21.6396	4.69150	3.34250	4.59457	1.34900	0.0	0.0	0.0	1.34900
5.0000E-3	21.4164	4.54850	3.34250	4.45157	1.20600	0.0	0.0	0.0	1.20600
6.0000E-3	21.2341	4.44350	3.34250	4.34657	1.10100	0.0	0.0	0.0	1.10100
7.0000E-3	21.0799	4.36250	3.34250	4.26557	1.02000	0.0	0.0	0.0	1.02000
8.0000E-3	20.9464	4.29650	3.34250	4.19957	0.95400	0.0	0.0	0.0	0.95400
9.0000E-3	20.8286	4.24150	3.34250	4.14457	0.89900	0.0	0.0	0.0	0.89900
10.0000E-3	20.7233	4.19550	3.34250	4.09857	0.85300	0.0	0.0	0.0	0.85300
15.0000E-3	20.3178	4.02750	3.33100	3.93090	0.69650	0.0	0.0	0.0	0.69650
20.0000E-3	20.0301	3.92670	3.32350	3.83030	0.60320	0.0	0.0	0.0	0.60320
25.3000E-3	19.7950	3.85250	3.31650	3.75630	0.53600	0.0	0.0	0.0	0.53600
30.0000E-3	19.6247	3.80350	3.31100	3.70750	0.49250	0.0	0.0	0.0	0.49250
40.0000E-3	19.3370	3.72950	3.30300	3.63370	0.42650	0.0	0.0	0.0	0.42650
50.0000E-3	19.1138	3.68000	3.29850	3.58430	0.38150	0.0	0.0	0.0	0.38150
60.0000E-3	18.9315	3.64200	3.29380	3.54650	0.34820	0.0	0.0	0.0	0.34820
70.0000E-3	18.7774	3.61200	3.28960	3.51660	0.32240	0.0	0.0	0.0	0.32240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	2.69700	0.02900	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	2.20200	0.02900	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	1.90700	0.02900	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	1.70600	0.02900	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	1.55700	0.02900	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	1.34900	0.02900	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	1.20600	0.02900	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	1.10100	0.02900	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	1.02000	0.02900	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	0.95400	0.02900	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	0.89900	0.02900	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	0.85300	0.02900	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	0.69650	0.02900	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	0.60320	0.02900	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	0.53600	0.02900	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	0.49250	0.02900	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	0.42650	0.02900	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	0.38150	0.02900	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	0.34820	0.02900	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	0.32240	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	3.58800	3.28640	3.49270	0.30160	0.0	0.0	0.0	0.30160
90.0000E-3	18.5260	3.56700	3.28270	3.47180	0.28430	0.0	0.0	0.0	0.28430
100.0000E-3	18.4207	3.54900	3.27930	3.45390	0.26970	0.0	0.0	0.0	0.26970
150.0000E-3	18.0152	3.48700	3.26680	3.39230	0.22020	0.0	0.0	0.0	0.22020
200.0000E-3	17.7275	3.44800	3.25730	3.35350	0.19070	0.0	0.0	0.0	0.19070
250.0000E-3	17.5044	3.42100	3.25040	3.32670	0.17060	0.0	0.0	0.0	0.17060
300.0000E-3	17.3221	3.40000	3.24430	3.30590	0.15570	0.0	0.0	0.0	0.15570
400.0000E-3	17.0344	3.36800	3.23310	3.27420	0.13490	0.0	0.0	0.0	0.13490
500.0000E-3	16.8112	3.34600	3.22540	3.25250	0.12060	0.0	0.0	0.0	0.12060
600.0000E-3	16.6289	3.32800	3.21790	3.23470	0.11010	0.0	0.0	0.0	0.11010
700.0000E-3	16.4748	3.31500	3.21300	3.22180	0.10200	0.0	0.0	0.0	0.10200
800.0000E-3	16.3412	3.30300	3.20760	3.21000	0.09540	0.0	0.0	0.0	0.09540
900.0000E-3	16.2235	3.29400	3.20410	3.20110	0.08990	0.0	0.0	0.0	0.08990
1.0000E00	16.1181	3.28600	3.20070	3.19320	0.08530	0.0	0.0	0.0	0.08530
1.2000E00	15.9358	3.27200	3.19460	3.17940	0.07740	0.0	0.0	0.0	0.07740
1.4000E00	15.7816	3.26000	3.18810	3.16750	0.07190	0.0	0.0	0.0	0.07190
1.6000E00	15.6481	3.25100	3.18360	3.15870	0.06740	0.0	0.0	0.0	0.06740
1.8000E00	15.5303	3.24350	3.17990	3.15130	0.06360	0.0	0.0	0.0	0.06360
2.0000E00	15.4249	3.23700	3.17670	3.14490	0.06030	0.0	0.0	0.0	0.06030
2.3000E00	15.2852	3.22800	3.17160	3.13600	0.05640	0.0	0.0	0.0	0.05640

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	0.30160	0.02900	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	0.28430	0.02900	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	0.26970	0.02900	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	0.22020	0.02900	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.19070	0.02900	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.17060	0.02900	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.15570	0.02900	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	0.13490	0.02900	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.12060	0.02900	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.11010	0.02900	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.10200	0.02900	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.09540	0.02900	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.08990	0.02900	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.08530	0.02900	0.0	0.0	0.0	0.0
1.2000E00	15.9358	0.0	0.0	0.07740	0.02900	0.0	0.0	0.0	0.0
1.4000E00	15.7816	0.0	0.0	0.07190	0.02900	0.0	0.0	0.0	0.0
1.6000E00	15.6481	0.0	0.0	0.06740	0.02900	0.0	0.0	0.0	0.0
1.8000E00	15.5303	0.0	0.0	0.06360	0.02900	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.06030	0.02900	0.0	0.0	0.0	0.0
2.3000E00	15.2852	0.0	0.0	0.05640	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.6000E00	15.1626	3.22100	3.16790	3.12910	0.05310	0.0	0.0	0.0	0.05310
3.0000E00	15.0195	3.21350	3.16420	3.12170	0.04930	0.0	0.0	0.0	0.04930
3.5000E00	14.8653	3.20500	3.15930	3.11340	0.04570	0.0	0.0	0.0	0.04570
4.0000E00	14.7318	3.19800	3.15530	3.10650	0.04270	0.0	0.0	0.0	0.04270
5.0000E00	14.5087	3.19000	3.15180	3.09860	0.03820	0.0	0.0	0.0	0.03820
6.0000E00	14.3263	3.18000	3.14510	3.08880	0.03490	0.0	0.0	0.0	0.03490
7.0000E00	14.1722	3.17000	3.13770	3.07900	0.03230	0.0	0.0	0.0	0.03230
8.0000E00	14.0387	3.17000	3.13970	3.07890	0.03030	0.0	0.0	0.0	0.03030
9.0000E00	13.9209	3.16000	3.13150	3.06920	0.02850	0.0	0.0	0.0	0.02850
10.0000E00	13.8155	3.16000	3.13280	3.06915	0.02720	0.0	0.0	0.0	0.02720
12.0000E00	13.6332	3.15000	3.12510	3.05937	0.02490	0.0	0.0	0.0	0.02490
14.0000E00	13.4790	3.15000	3.12690	3.05932	0.02310	0.0	0.0	0.0	0.02310
16.0000E00	13.3455	3.15000	3.12830	3.05928	0.02170	0.0	0.0	0.0	0.02170
18.0000E00	13.2277	3.14000	3.11960	3.04953	0.02040	0.0	0.0	0.0	0.02040
20.0000E00	13.1224	3.14000	3.12060	3.04950	0.01940	0.0	0.0	0.0	0.01940
23.0000E00	12.9826	3.14000	3.12190	3.04946	0.01810	0.0	0.0	0.0	0.01810
26.0000E00	12.8600	3.13000	3.11290	3.03973	0.01710	0.0	0.0	0.0	0.01710
30.0000E00	12.7169	3.13000	3.11410	3.03969	0.01590	0.0	0.0	0.0	0.01590
35.0000E00	12.5627	3.12000	3.10520	3.02995	0.01480	0.0	0.0	0.0	0.01480
40.0000E00	12.4292	3.11000	3.09610	3.02021	0.01390	0.0	0.0	0.0	0.01390

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.6000E00	15.1626	0.0	0.0	0.05310	0.02900	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.04930	0.02900	0.0	0.0	0.0	0.0
3.5000E00	14.8653	0.0	0.0	0.04570	0.02900	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.04270	0.02900	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.03820	0.02900	0.0	0.0	0.0	0.0
6.0000E00	14.3263	0.0	0.0	0.03490	0.02900	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.03230	0.02900	0.0	0.0	0.0	0.0
8.0000E00	14.0387	0.0	0.0	0.03030	0.02900	0.0	0.0	0.0	0.0
9.0000E00	13.9209	0.0	0.0	0.02850	0.02900	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.02720	0.02900	0.0	0.0	0.0	0.0
12.0000E00	13.6332	0.0	0.0	0.02490	0.02900	0.0	0.0	0.0	0.0
14.0000E00	13.4790	0.0	0.0	0.02310	0.02900	0.0	0.0	0.0	0.0
16.0000E00	13.3455	0.0	0.0	0.02170	0.02900	0.0	0.0	0.0	0.0
18.0000E00	13.2277	0.0	0.0	0.02040	0.02900	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.01940	0.02900	0.0	0.0	0.0	0.0
23.0000E00	12.9826	0.0	0.0	0.01810	0.02900	0.0	0.0	0.0	0.0
26.0000E00	12.8600	0.0	0.0	0.01710	0.02900	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.01590	0.02900	0.0	0.0	0.0	0.0
35.0000E00	12.5627	0.0	0.0	0.01480	0.02900	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	0.01390	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
45.0000E00	12.3114	3.11000	3.09680	3.02019	0.01320	0.0	0.0	0.0	0.01320
50.0000E00	12.2061	3.11000	3.09750	3.02017	0.01250	0.0	0.0	0.0	0.01250
55.0000E00	12.1108	3.11000	3.09800	3.02016	0.01200	0.0	0.0	0.0	0.01200
60.0000E00	12.0238	3.11000	3.09850	3.02014	0.01150	0.0	0.0	0.0	0.01150
65.0000E00	11.9437	3.11000	3.09890	3.02013	0.01110	0.0	0.0	0.0	0.01110
70.0000E00	11.8696	3.11000	3.09930	3.02012	0.01070	0.0	0.0	0.0	0.01070
75.0000E00	11.8006	3.11000	3.09960	3.02011	0.01040	0.0	0.0	0.0	0.01040
80.0000E00	11.7361	3.11000	3.09990	3.02010	0.01010	0.0	0.0	0.0	0.01010
85.0000E00	11.6754	3.11000	3.10010	3.02010	0.00990	0.0	0.0	0.0	0.00990
90.0000E00	11.6183	3.11000	3.10040	3.02009	0.00960	0.0	0.0	0.0	0.00960
95.0000E00	11.5642	3.11000	3.10060	3.02008	0.00940	0.0	0.0	0.0	0.00940
100.0000E00	11.5129	3.11000	3.10080	3.02008	0.00920	0.0	0.0	0.0	0.00920
150.0000E00	11.1075	3.11000	3.10220	3.02004	0.00780	0.0	0.0	0.0	0.00780
200.0000E00	10.8198	3.10000	3.09300	3.01030	0.00700	0.0	0.0	0.0	0.00700
250.0000E00	10.5966	3.10000	3.09350	3.01029	0.00650	0.0	0.0	0.0	0.00650
300.0000E00	10.4143	3.10000	3.09380	3.01028	0.00620	0.0	0.0	0.0	0.00620
350.0000E00	10.2602	3.10000	3.09410	3.01027	0.00590	0.0	0.0	0.0	0.00590
400.0000E00	10.1266	3.11000	3.10420	3.01998	0.00580	0.0	0.0	0.0	0.00580
450.0000E00	10.0088	3.14000	3.13430	3.04911	0.00570	0.0	0.0	0.0	0.00570
500.0000E00	9.9035	3.17000	3.16440	3.07823	0.00560	0.0	0.0	0.0	0.00560

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
45.0000E00	12.3114	0.0	0.0	0.01320	0.02900	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.01250	0.02900	0.0	0.0	0.0	0.0
55.0000E00	12.1108	0.0	0.0	0.01200	0.02900	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.01150	0.02900	0.0	0.0	0.0	0.0
65.0000E00	11.9437	0.0	0.0	0.01110	0.02900	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.01070	0.02900	0.0	0.0	0.0	0.0
75.0000E00	11.8006	0.0	0.0	0.01040	0.02900	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.01010	0.02900	0.0	0.0	0.0	0.0
85.0000E00	11.6754	0.0	0.0	0.00990	0.02900	0.0	0.0	0.0	0.0
90.0000E00	11.6183	0.0	0.0	0.00960	0.02900	0.0	0.0	0.0	0.0
95.0000E00	11.5642	0.0	0.0	0.00940	0.02900	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.00920	0.02900	0.0	0.0	0.0	0.0
150.0000E00	11.1075	0.0	0.0	0.00780	0.02900	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.00700	0.02900	0.0	0.0	0.0	0.0
250.0000E00	10.5966	0.0	0.0	0.00650	0.02900	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.00620	0.02900	0.0	0.0	0.0	0.0
350.0000E00	10.2602	0.0	0.0	0.00590	0.02900	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.00580	0.02900	0.0	0.0	0.0	0.0
450.0000E00	10.0088	0.0	0.0	0.00570	0.02900	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.00560	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
550.0000E00	9.8082	3.21790	3.21230	3.12474	0.00560	0.0	0.0	0.0	0.00560
600.0000E00	9.7212	3.26960	3.26400	3.17494	0.00560	0.0	0.0	0.0	0.00560
650.0000E00	9.6411	3.32490	3.31930	3.22864	0.00560	0.0	0.0	0.0	0.00560
700.0000E00	9.5670	3.38310	3.37740	3.28516	0.00570	0.0	0.0	0.0	0.00570
750.0000E00	9.4980	3.44470	3.43900	3.34497	0.00570	0.0	0.0	0.0	0.00570
800.0000E00	9.4335	3.50800	3.50220	3.40644	0.00580	0.0	0.0	0.0	0.00580
850.0000E00	9.3729	3.57440	3.56850	3.47091	0.00590	0.0	0.0	0.0	0.00590
900.0000E00	9.3157	3.65140	3.64530	3.54569	0.00610	0.0	0.0	0.0	0.00610
950.0000E00	9.2616	3.74020	3.73400	3.63191	0.00620	0.0	0.0	0.0	0.00620
1.0000E 3	9.2103	3.84260	3.83620	3.73135	0.00640	0.0	0.0	0.0	0.00640
1.1000E 3	9.1150	4.09560	4.08880	3.97702	0.00680	0.0	0.0	0.0	0.00680
1.2000E 3	9.0280	4.42920	4.42190	4.30096	0.00730	0.0	0.0	0.0	0.00730
1.3000E 3	8.9480	4.86890	4.86090	4.72793	0.00800	0.0	0.0	0.0	0.00800
1.4000E 3	8.8739	5.45010	5.44130	5.29230	0.00880	0.0	0.0	0.0	0.00880
1.5000E 3	8.8049	6.22270	6.21300	6.04252	0.00970	0.0	0.0	0.0	0.00970
1.6000E 3	8.7403	7.25870	7.24770	7.04852	0.01100	0.0	0.0	0.0	0.01100
1.7000E 3	8.6797	8.66360	8.65110	8.41272	0.01250	0.0	0.0	0.0	0.01250
1.8000E 3	8.6226	10.59750	10.58300	10.29059	0.01450	0.0	0.0	0.0	0.01450
1.9000E 3	8.5685	13.31000	13.29280	12.92451	0.01720	0.0	0.0	0.0	0.01720
2.0000E 3	8.5172	17.20380	17.18300	16.70549	0.02080	0.0	0.0	0.0	0.02080

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
550.0000E00	9.8082	0.0	0.0	0.00560	0.02900	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.00560	0.02900	0.0	0.0	0.0	0.0
650.0000E00	9.6411	0.0	0.0	0.00560	0.02900	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.00570	0.02900	0.0	0.0	0.0	0.0
750.0000E00	9.4980	0.0	0.0	0.00570	0.02900	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.00580	0.02900	0.0	0.0	0.0	0.0
850.0000E00	9.3729	0.0	0.0	0.00590	0.02900	0.0	0.0	0.0	0.0
900.0000E00	9.3157	0.0	0.0	0.00610	0.02900	0.0	0.0	0.0	0.0
950.0000E00	9.2616	0.0	0.0	0.00620	0.02900	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.00640	0.02900	0.0	0.0	0.0	0.0
1.1000E 3	9.1150	0.0	0.0	0.00680	0.02900	0.0	0.0	0.0	0.0
1.2000E 3	9.0280	0.0	0.0	0.00730	0.02900	0.0	0.0	0.0	0.0
1.3000E 3	8.9480	0.0	0.0	0.00800	0.02900	0.0	0.0	0.0	0.0
1.4000E 3	8.8739	0.0	0.0	0.00880	0.02900	0.0	0.0	0.0	0.0
1.5000E 3	8.8049	0.0	0.0	0.00970	0.02900	0.0	0.0	0.0	0.0
1.6000E 3	8.7403	0.0	0.0	0.01100	0.02900	0.0	0.0	0.0	0.0
1.7000E 3	8.6797	0.0	0.0	0.01250	0.02900	0.0	0.0	0.0	0.0
1.8000E 3	8.6226	0.0	0.0	0.01450	0.02900	0.0	0.0	0.0	0.0
1.9000E 3	8.5685	0.0	0.0	0.01720	0.02900	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.02080	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.1000E 3	8.4684	22.95740	22.93170	22.29238	0.02570	0.0	0.0	0.0	0.02570
2.2000E 3	8.4219	31.77110	31.73820	30.85069	0.03290	0.0	0.0	0.0	0.03290
2.3000E 3	8.3774	45.88990	45.84630	44.56036	0.04360	0.0	0.0	0.0	0.04360
2.4000E 3	8.3349	69.79000	69.72920	67.76785	0.06080	0.0	0.0	0.0	0.06080
2.4500E 3	8.3143	88.04080	87.96740	85.48975	0.07340	0.0	0.0	0.0	0.07340
2.5000E 3	8.2940	112.95900	112.86900	109.68600	0.09000	0.0	0.0	0.0	0.09000
2.5500E 3	8.2742	147.51800	147.40600	143.24300	0.11240	0.0	0.0	0.0	0.11240
2.6000E 3	8.2548	195.94000	195.79700	190.26200	0.14260	0.0	0.0	0.0	0.14260
2.6500E 3	8.2358	263.53800	263.35400	255.90000	0.18320	0.0	0.0	0.0	0.18320
2.7000E 3	8.2171	354.61100	354.37500	344.33400	0.23550	0.0	0.0	0.0	0.23550
2.7500E 3	8.1987	465.18600	464.89100	451.70400	0.29500	0.0	0.0	0.0	0.29500
2.8000E 3	8.1807	569.89200	569.54600	553.37500	0.34520	0.0	0.0	0.0	0.34520
2.8200E 3	8.1736	599.63400	599.27700	582.25500	0.35660	0.0	0.0	0.0	0.35660
2.8400E 3	8.1665	617.79100	617.43100	599.88600	0.36070	0.0	0.0	0.0	0.36070
2.8500E 3	8.1630	621.92500	621.56500	603.90000	0.35980	0.0	0.0	0.0	0.35980
2.8600E 3	8.1595	622.64400	622.28700	604.59800	0.35690	0.0	0.0	0.0	0.35690
2.8800E 3	8.1526	614.15100	613.80500	596.35100	0.34570	0.0	0.0	0.0	0.34570
2.9000E 3	8.1456	593.90500	593.57700	576.69100	0.32820	0.0	0.0	0.0	0.32820
2.9500E 3	8.1285	510.57200	510.30300	495.77300	0.26960	0.0	0.0	0.0	0.26960
3.0000E 3	8.1117	414.86500	414.65600	402.84000	0.20930	0.0	0.0	0.0	0.20930

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.1000E 3	8.4684	0.0	0.0	0.02570	0.02900	0.0	0.0	0.0	0.0
2.2000E 3	8.4219	0.0	0.0	0.03290	0.02900	0.0	0.0	0.0	0.0
2.3000E 3	8.3774	0.0	0.0	0.04360	0.02900	0.0	0.0	0.0	0.0
2.4000E 3	8.3349	0.0	0.0	0.06080	0.02900	0.0	0.0	0.0	0.0
2.4500E 3	8.3143	0.0	0.0	0.07340	0.02900	0.0	0.0	0.0	0.0
2.5000E 3	8.2940	0.0	0.0	0.09000	0.02900	0.0	0.0	0.0	0.0
2.5500E 3	8.2742	0.0	0.0	0.11240	0.02900	0.0	0.0	0.0	0.0
2.6000E 3	8.2548	0.0	0.0	0.14260	0.02900	0.0	0.0	0.0	0.0
2.6500E 3	8.2358	0.0	0.0	0.18320	0.02900	0.0	0.0	0.0	0.0
2.7000E 3	8.2171	0.0	0.0	0.23550	0.02900	0.0	0.0	0.0	0.0
2.7500E 3	8.1987	0.0	0.0	0.29500	0.02900	0.0	0.0	0.0	0.0
2.8000E 3	8.1807	0.0	0.0	0.34520	0.02900	0.0	0.0	0.0	0.0
2.8200E 3	8.1736	0.0	0.0	0.35660	0.02900	0.0	0.0	0.0	0.0
2.8400E 3	8.1665	0.0	0.0	0.36070	0.02900	0.0	0.0	0.0	0.0
2.8500E 3	8.1630	0.0	0.0	0.35980	0.02900	0.0	0.0	0.0	0.0
2.8600E 3	8.1595	0.0	0.0	0.35690	0.02900	0.0	0.0	0.0	0.0
2.8800E 3	8.1526	0.0	0.0	0.34570	0.02900	0.0	0.0	0.0	0.0
2.9000E 3	8.1456	0.0	0.0	0.32820	0.02900	0.0	0.0	0.0	0.0
2.9500E 3	8.1285	0.0	0.0	0.26960	0.02900	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.20930	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.0500E 3	8.0952	331.22900	331.06900	321.62800	0.15980	0.0	0.0	0.0	0.15980
3.1000E 3	8.0789	265.53500	265.41200	257.83800	0.12250	0.0	0.0	0.0	0.12250
3.1500E 3	8.0629	215.78400	215.68900	209.52900	0.09520	0.0	0.0	0.0	0.09520
3.2000E 3	8.0472	178.30100	178.22600	173.13300	0.07530	0.0	0.0	0.0	0.07530
3.2500E 3	8.0317	149.82000	149.76000	145.47700	0.06050	0.0	0.0	0.0	0.06050
3.3000E 3	8.0164	127.87500	127.82500	124.16800	0.04950	0.0	0.0	0.0	0.04950
3.3500E 3	8.0014	110.69900	110.65800	107.49000	0.04100	0.0	0.0	0.0	0.04100
3.4000E 3	7.9866	97.04480	97.01030	94.23150	0.03450	0.0	0.0	0.0	0.03450
3.4500E 3	7.9720	62.00000	61.97070	60.20285	0.02930	0.0	0.0	0.0	0.02930
3.5000E 3	7.9576	40.00000	39.97490	38.84073	0.02510	0.0	0.0	0.0	0.02510
3.6000E 3	7.9294	26.40000	26.38100	25.63495	0.01900	0.0	0.0	0.0	0.01900
3.7000E 3	7.9020	22.50000	22.48520	21.84793	0.01480	0.0	0.0	0.0	0.01480
3.8000E 3	7.8753	19.75000	19.73810	19.17760	0.01190	0.0	0.0	0.0	0.01190
3.9000E 3	7.8494	17.80000	17.79030	17.28408	0.00970	0.0	0.0	0.0	0.00970
4.0000E 3	7.8240	16.70000	16.69200	16.21593	0.00800	0.0	0.0	0.0	0.00800
4.1000E 3	7.7994	15.80000	15.79300	15.34200	0.00700	0.0	0.0	0.0	0.00700
4.2000E 3	7.7753	15.00000	14.99370	14.56518	0.00630	0.0	0.0	0.0	0.00630
4.3000E 3	7.7517	14.35000	14.34430	13.93402	0.00570	0.0	0.0	0.0	0.00570
4.4000E 3	7.7287	13.75000	13.74480	13.35140	0.00520	0.0	0.0	0.0	0.00520
4.5000E 3	7.7063	13.18000	13.17517	12.79792	0.00483	0.0	0.0	0.0	0.00483

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.0500E 3	8.0952	0.0	0.0	0.15980	0.02900	0.0	0.0	0.0	0.0
3.1000E 3	8.0789	0.0	0.0	0.12250	0.02900	0.0	0.0	0.0	0.0
3.1500E 3	8.0629	0.0	0.0	0.09520	0.02900	0.0	0.0	0.0	0.0
3.2000E 3	8.0472	0.0	0.0	0.07530	0.02900	0.0	0.0	0.0	0.0
3.2500E 3	8.0317	0.0	0.0	0.06050	0.02900	0.0	0.0	0.0	0.0
3.3000E 3	8.0164	0.0	0.0	0.04950	0.02900	0.0	0.0	0.0	0.0
3.3500E 3	8.0014	0.0	0.0	0.04100	0.02900	0.0	0.0	0.0	0.0
3.4000E 3	7.9866	0.0	0.0	0.03450	0.02900	0.0	0.0	0.0	0.0
3.4500E 3	7.9720	0.0	0.0	0.02930	0.02900	0.0	0.0	0.0	0.0
3.5000E 3	7.9576	0.0	0.0	0.02510	0.02900	0.0	0.0	0.0	0.0
3.6000E 3	7.9294	0.0	0.0	0.01900	0.02900	0.0	0.0	0.0	0.0
3.7000E 3	7.9020	0.0	0.0	0.01480	0.02900	0.0	0.0	0.0	0.0
3.8000E 3	7.8753	0.0	0.0	0.01190	0.02900	0.0	0.0	0.0	0.0
3.9000E 3	7.8494	0.0	0.0	0.00970	0.02900	0.0	0.0	0.0	0.0
4.0000E 3	7.8240	0.0	0.0	0.00800	0.02900	0.0	0.0	0.0	0.0
4.1000E 3	7.7994	0.0	0.0	0.00700	0.02900	0.0	0.0	0.0	0.0
4.2000E 3	7.7753	0.0	0.0	0.00630	0.02900	0.0	0.0	0.0	0.0
4.3000E 3	7.7517	0.0	0.0	0.00570	0.02900	0.0	0.0	0.0	0.0
4.4000E 3	7.7287	0.0	0.0	0.00520	0.02900	0.0	0.0	0.0	0.0
4.5000E 3	7.7063	0.0	0.0	0.00483	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.6000E 3	7.6843	12.76000	12.75549	12.39009	0.00451	0.0	0.0	0.0	0.00451
4.7000E 3	7.6628	12.32000	12.31576	11.96284	0.00424	0.0	0.0	0.0	0.00424
4.8000E 3	7.6417	11.92000	11.91600	11.57444	0.00400	0.0	0.0	0.0	0.00400
4.9000E 3	7.6211	11.54000	11.53620	11.20545	0.00380	0.0	0.0	0.0	0.00380
5.0000E 3	7.6009	11.25000	11.24638	10.92385	0.00362	0.0	0.0	0.0	0.00362
5.2000E 3	7.5617	10.65000	10.64666	10.34125	0.00334	0.0	0.0	0.0	0.00334
5.4000E 3	7.5239	10.10000	10.09690	9.80719	0.00310	0.0	0.0	0.0	0.00310
5.6000E 3	7.4876	9.67000	9.66710	9.38965	0.00290	0.0	0.0	0.0	0.00290
5.8000E 3	7.4525	9.28000	9.27725	9.01096	0.00275	0.0	0.0	0.0	0.00275
6.0000E 3	7.4186	8.95000	8.94738	8.69053	0.00262	0.0	0.0	0.0	0.00262
6.2000E 3	7.3858	8.62000	8.61750	8.37009	0.00250	0.0	0.0	0.0	0.00250
6.4000E 3	7.3540	8.35000	8.34762	8.10792	0.00238	0.0	0.0	0.0	0.00238
6.6000E 3	7.3233	8.07000	8.06772	7.83604	0.00228	0.0	0.0	0.0	0.00228
6.8000E 3	7.2934	7.84000	7.83782	7.61270	0.00218	0.0	0.0	0.0	0.00218
7.0000E 3	7.2644	7.64000	7.63791	7.41850	0.00209	0.0	0.0	0.0	0.00209
7.5000E 3	7.1954	7.19000	7.18811	6.98154	0.00189	0.0	0.0	0.0	0.00189
8.0000E 3	7.1309	6.80000	6.79828	6.60285	0.00172	0.0	0.0	0.0	0.00172
8.5000E 3	7.0703	6.49000	6.48843	6.30184	0.00157	0.0	0.0	0.0	0.00157
9.0000E 3	7.0131	6.20000	6.19856	6.02024	0.00144	0.0	0.0	0.0	0.00144
9.5000E 3	6.9590	5.96000	5.95867	5.78720	0.00133	0.0	0.0	0.0	0.00133

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.6000E 3	7.6843	0.0	0.0	0.00451	0.02900	0.0	0.0	0.0	0.0
4.7000E 3	7.6628	0.0	0.0	0.00424	0.02900	0.0	0.0	0.0	0.0
4.8000E 3	7.6417	0.0	0.0	0.00400	0.02900	0.0	0.0	0.0	0.0
4.9000E 3	7.6211	0.0	0.0	0.00380	0.02900	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.00362	0.02900	0.0	0.0	0.0	0.0
5.2000E 3	7.5617	0.0	0.0	0.00334	0.02900	0.0	0.0	0.0	0.0
5.4000E 3	7.5239	0.0	0.0	0.00310	0.02900	0.0	0.0	0.0	0.0
5.6000E 3	7.4876	0.0	0.0	0.00290	0.02900	0.0	0.0	0.0	0.0
5.8000E 3	7.4525	0.0	0.0	0.00275	0.02900	0.0	0.0	0.0	0.0
6.0000E 3	7.4186	0.0	0.0	0.00262	0.02900	0.0	0.0	0.0	0.0
6.2000E 3	7.3858	0.0	0.0	0.00250	0.02900	0.0	0.0	0.0	0.0
6.4000E 3	7.3540	0.0	0.0	0.00238	0.02900	0.0	0.0	0.0	0.0
6.6000E 3	7.3233	0.0	0.0	0.00228	0.02900	0.0	0.0	0.0	0.0
6.8000E 3	7.2934	0.0	0.0	0.00218	0.02900	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.00209	0.02900	0.0	0.0	0.0	0.0
7.5000E 3	7.1954	0.0	0.0	0.00189	0.02900	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.00172	0.02900	0.0	0.0	0.0	0.0
8.5000E 3	7.0703	0.0	0.0	0.00157	0.02900	0.0	0.0	0.0	0.0
9.0000E 3	7.0131	0.0	0.0	0.00144	0.02900	0.0	0.0	0.0	0.0
9.5000E 3	6.9590	0.0	0.0	0.00133	0.02900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.0000E 3	6.9078	5.75000	5.74876	5.58329	0.00124	0.0	0.0	0.0	0.00124
11.0000E 3	6.8124	5.45000	5.44889	5.29634	0.00111	0.0	0.0	0.0	0.00111
12.0000E 3	6.7254	5.05000	5.04900	4.91166	0.00100	0.0	0.0	0.0	0.00100
13.0000E 3	6.6454	4.80000	4.79910	4.67234	0.00090	0.0	0.0	0.0	0.00090
14.0000E 3	6.5713	4.64000	4.63918	4.52031	0.00082	0.0	0.0	0.0	0.00082
15.0000E 3	6.5023	4.50000	4.49924	4.38752	0.00076	0.0	0.0	0.0	0.00076
16.0000E 3	6.4378	4.40000	4.39930	4.29354	0.00070	0.0	0.0	0.0	0.00070
17.0000E 3	6.3771	4.33000	4.32935	4.22869	0.00065	0.0	0.0	0.0	0.00065
18.0000E 3	6.3200	4.28000	4.27939	4.18329	0.00061	0.0	0.0	0.0	0.00061
19.0000E 3	6.2659	4.23000	4.22943	4.13780	0.00057	0.0	0.0	0.0	0.00057
20.0000E 3	6.2146	4.20000	4.19946	4.11181	0.00054	0.0	0.0	0.0	0.00054
22.0000E 3	6.1193	4.17000	4.16952	4.08911	0.00048	0.0	0.0	0.0	0.00048
24.0000E 3	6.0323	4.15000	4.14956	4.07614	0.00044	0.0	0.0	0.0	0.00044
26.0000E 3	5.9522	4.12000	4.11959	4.05326	0.00041	0.0	0.0	0.0	0.00041
28.0000E 3	5.8781	4.08000	4.07959	4.02044	0.00041	0.0	0.0	0.0	0.00041
30.0000E 3	5.8091	4.05000	4.04957	3.99736	0.00043	0.0	0.0	0.0	0.00043
35.0000E 3	5.6550	3.95000	3.94660	3.88804	0.00340	0.0	0.0	0.0	0.00340
37.0000E 3	5.5994	3.91000	3.90783	3.84435	0.00217	0.0	0.0	0.0	0.00217
38.0000E 3	5.5728	3.90000	3.89812	3.83256	0.00188	0.0	0.0	0.0	0.00188
39.0000E 3	5.5468	3.68000	3.67828	3.61453	0.00172	0.0	0.0	0.0	0.00172

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.0000E 3	6.9078	0.0	0.0	0.00124	0.02900	0.0	0.0	0.0	0.0
11.0000E 3	6.8124	0.0	0.0	0.00111	0.02820	0.0	0.0	0.0	0.0
12.0000E 3	6.7254	0.0	0.0	0.00100	0.02740	0.0	0.0	0.0	0.0
13.0000E 3	6.6454	0.0	0.0	0.00090	0.02660	0.0	0.0	0.0	0.0
14.0000E 3	6.5713	0.0	0.0	0.00082	0.02580	0.0	0.0	0.0	0.0
15.0000E 3	6.5023	0.0	0.0	0.00076	0.02500	0.0	0.0	0.0	0.0
16.0000E 3	6.4378	0.0	0.0	0.00070	0.02420	0.0	0.0	0.0	0.0
17.0000E 3	6.3771	0.0	0.0	0.00065	0.02340	0.0	0.0	0.0	0.0
18.0000E 3	6.3200	0.0	0.0	0.00061	0.02260	0.0	0.0	0.0	0.0
19.0000E 3	6.2659	0.0	0.0	0.00057	0.02180	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.00054	0.02100	0.0	0.0	0.0	0.0
22.0000E 3	6.1193	0.0	0.0	0.00048	0.01940	0.0	0.0	0.0	0.0
24.0000E 3	6.0323	0.0	0.0	0.00044	0.01780	0.0	0.0	0.0	0.0
26.0000E 3	5.9522	0.0	0.0	0.00041	0.01620	0.0	0.0	0.0	0.0
28.0000E 3	5.8781	0.0	0.0	0.00041	0.01460	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.00043	0.01300	0.0	0.0	0.0	0.0
35.0000E 3	5.6550	0.0	0.0	0.00340	0.01570	0.0	0.0	0.0	0.0
37.0000E 3	5.5994	0.0	0.0	0.00217	0.01680	0.0	0.0	0.0	0.0
38.0000E 3	5.5728	0.0	0.0	0.00188	0.01730	0.0	0.0	0.0	0.0
39.0000E 3	5.5468	0.0	0.0	0.00172	0.01780	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
40.0000E 3	5.5215	3.70000	3.69851	3.63232	0.00149	0.0	0.0	0.0	0.00149
45.0000E 3	5.4037	3.95000	3.94897	3.86707	0.00103	0.0	0.0	0.0	0.00103
47.0000E 3	5.3602	4.10000	4.09912	4.00941	0.00088	0.0	0.0	0.0	0.00088
49.0000E 3	5.3185	4.30000	4.29899	4.20026	0.00101	0.0	0.0	0.0	0.00101
50.0000E 3	5.2983	4.50000	4.49882	4.39338	0.00118	0.0	0.0	0.0	0.00118
51.0000E 3	5.2785	5.40000	5.39865	5.26935	0.00135	0.0	0.0	0.0	0.00135
52.0000E 3	5.2591	6.90000	6.89850	6.72892	0.00150	0.0	0.0	0.0	0.00150
53.0000E 3	5.2400	9.20000	9.19820	8.96729	0.00180	0.0	0.0	0.0	0.00180
54.0000E 3	5.2214	9.70000	9.69795	9.44882	0.00205	0.0	0.0	0.0	0.00205
55.0000E 3	5.2030	9.60000	9.59741	9.34663	0.00259	0.0	0.0	0.0	0.00259
56.0000E 3	5.1850	8.40000	8.39780	8.17326	0.00220	0.0	0.0	0.0	0.00220
57.0000E 3	5.1673	6.70000	6.69870	6.51579	0.00130	0.0	0.0	0.0	0.00130
58.0000E 3	5.1499	5.50000	5.49880	5.34603	0.00120	0.0	0.0	0.0	0.00120
59.0000E 3	5.1328	4.80000	4.79890	4.66323	0.00110	0.0	0.0	0.0	0.00110
60.0000E 3	5.1160	4.30000	4.29905	4.17533	0.00095	0.0	0.0	0.0	0.00095
61.0000E 3	5.0995	4.00000	3.99917	3.88402	0.00083	0.0	0.0	0.0	0.00083
65.0000E 3	5.0360	4.00000	3.99950	3.88481	0.00050	0.0	0.0	0.0	0.00050
70.0000E 3	4.9618	4.00000	3.99964	3.88521	0.00036	0.0	0.0	0.0	0.00036
72.0000E 3	4.9337	4.00000	3.99966	3.88521	0.00034	0.0	0.0	0.0	0.00034
74.0000E 3	4.9063	4.00000	3.99969	3.88561	0.00031	0.0	0.0	0.0	0.00031

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
40.0000E 3	5.5215	0.0	0.0	0.00149	0.01830	0.0	0.0	0.0	0.0
45.0000E 3	5.4037	0.0	0.0	0.00103	0.02100	0.0	0.0	0.0	0.0
47.0000E 3	5.3602	0.0	0.0	0.00088	0.02210	0.0	0.0	0.0	0.0
49.0000E 3	5.3185	0.0	0.0	0.00101	0.02320	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.00118	0.02370	0.0	0.0	0.0	0.0
51.0000E 3	5.2785	0.0	0.0	0.00135	0.02420	0.0	0.0	0.0	0.0
52.0000E 3	5.2591	0.0	0.0	0.00150	0.02480	0.0	0.0	0.0	0.0
53.0000E 3	5.2400	0.0	0.0	0.00180	0.02530	0.0	0.0	0.0	0.0
54.0000E 3	5.2214	0.0	0.0	0.00205	0.02590	0.0	0.0	0.0	0.0
55.0000E 3	5.2030	0.0	0.0	0.00259	0.02640	0.0	0.0	0.0	0.0
56.0000E 3	5.1850	0.0	0.0	0.00220	0.02700	0.0	0.0	0.0	0.0
57.0000E 3	5.1673	0.0	0.0	0.00130	0.02750	0.0	0.0	0.0	0.0
58.0000E 3	5.1499	0.0	0.0	0.00120	0.02800	0.0	0.0	0.0	0.0
59.0000E 3	5.1328	0.0	0.0	0.00110	0.02850	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	0.0	0.0	0.00095	0.02900	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	0.0	0.0	0.00083	0.02900	0.0	0.0	0.0	0.0
65.0000E 3	5.0360	0.0	0.0	0.00050	0.02880	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.00036	0.02870	0.0	0.0	0.0	0.0
72.0000E 3	4.9337	0.0	0.0	0.00034	0.02870	0.0	0.0	0.0	0.0
74.0000E 3	4.9063	0.0	0.0	0.00031	0.02860	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
76.0000E 3	4.8796	3.90000	3.89972	3.78847	0.00028	0.0	0.0	0.0	0.00028
78.0000E 3	4.8536	3.80000	3.79974	3.69171	0.00026	0.0	0.0	0.0	0.00026
80.0000E 3	4.8283	3.65000	3.64975	3.54598	0.00025	0.0	0.0	0.0	0.00025
82.0000E 3	4.8036	3.55000	3.54976	3.44919	0.00024	0.0	0.0	0.0	0.00024
84.0000E 3	4.7795	3.47000	3.46977	3.37181	0.00023	0.0	0.0	0.0	0.00023
86.0000E 3	4.7560	3.42000	3.41978	3.32322	0.00022	0.0	0.0	0.0	0.00022
88.0000E 3	4.7330	3.38000	3.37978	3.28469	0.00022	0.0	0.0	0.0	0.00022
90.0000E 3	4.7105	3.35000	3.34978	3.25554	0.00022	0.0	0.0	0.0	0.00022
95.0000E 3	4.6565	3.30000	3.29978	3.20728	0.00022	0.0	0.0	0.0	0.00022
100.0000E 3	4.6052	3.27000	3.26971	3.17845	0.00029	0.0	0.0	0.0	0.00029
120.0000E 3	4.4228	3.23000	3.22926	3.14152	0.00074	0.0	0.0	0.0	0.00074
140.0000E 3	4.2687	3.24000	3.23923	3.15286	0.00077	0.0	0.0	0.0	0.00077
160.0000E 3	4.1352	3.31000	3.30921	3.21403	0.00079	0.0	0.0	0.0	0.00079
170.0000E 3	4.0745	3.37000	3.36920	3.26892	0.00080	0.0	0.0	0.0	0.00080
180.0000E 3	4.0174	3.50000	3.49921	3.39117	0.00079	0.0	0.0	0.0	0.00079
190.0000E 3	3.9633	3.80000	3.79922	3.67805	0.00078	0.0	0.0	0.0	0.00078
200.0000E 3	3.9120	5.50000	5.49924	5.31743	0.00076	0.0	0.0	0.0	0.00076
204.0000E 3	3.8922	7.10000	7.09926	6.77627	0.00074	0.0	0.0	0.0	0.00074
210.0000E 3	3.8632	4.80000	4.79927	4.49141	0.00073	0.0	0.0	0.0	0.00073
217.0000E 3	3.8304	4.50000	4.49929	4.27863	0.00071	0.0	0.0	0.0	0.00071

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
76.0000E 3	4.8796	0.0	0.0	0.00028	0.02860	0.0	0.0	0.0	0.0
78.0000E 3	4.8536	0.0	0.0	0.00026	0.02850	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	0.0	0.0	0.00025	0.02850	0.0	0.0	0.0	0.0
82.0000E 3	4.8036	0.0	0.0	0.00024	0.02840	0.0	0.0	0.0	0.0
84.0000E 3	4.7795	0.0	0.0	0.00023	0.02830	0.0	0.0	0.0	0.0
86.0000E 3	4.7560	0.0	0.0	0.00022	0.02830	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	0.0	0.0	0.00022	0.02820	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.00022	0.02820	0.0	0.0	0.0	0.0
95.0000E 3	4.6565	0.0	0.0	0.00022	0.02810	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.00029	0.02800	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.00074	0.02740	0.0	0.0	0.0	0.0
140.0000E 3	4.2687	0.0	0.0	0.00077	0.02690	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	0.0	0.0	0.00079	0.02900	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	0.0	0.0	0.00080	0.03000	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.00079	0.03110	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	0.0	0.0	0.00078	0.03210	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.00076	0.03320	0.0	0.0	0.0	0.0
204.0000E 3	3.8922	0.0	0.0	0.00074	0.04560	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	0.0	0.0	0.00073	0.06430	0.0	0.0	0.0	0.0
217.0000E 3	3.8304	0.0	0.0	0.00071	0.04920	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
220.0000E 3	3.8167	4.50000	4.49929	4.30788	0.00071	0.0	0.0	0.0	0.00071
230.0000E 3	3.7723	3.70000	3.69931	3.56424	0.00069	0.0	0.0	0.0	0.00069
235.0000E 3	3.7508	4.85000	4.84932	4.64051	0.00068	0.0	0.0	0.0	0.00068
240.0000E 3	3.7297	6.00000	5.99933	5.46306	0.00067	0.0	0.0	0.0	0.00067
243.0000E 3	3.7173	8.25000	8.24933	7.28318	0.00067	0.0	0.0	0.0	0.00067
245.0000E 3	3.7091	7.12000	7.11933	6.15391	0.00067	0.0	0.0	0.0	0.00067
250.0000E 3	3.6889	4.30000	4.29934	3.74238	0.00066	0.0	0.0	0.0	0.00066
260.0000E 3	3.6497	3.40000	3.39936	2.99990	0.00064	0.0	0.0	0.0	0.00064
270.0000E 3	3.6119	3.10000	3.09937	2.77240	0.00063	0.0	0.0	0.0	0.00063
280.0000E 3	3.5756	2.80000	2.79938	2.53770	0.00062	0.0	0.0	0.0	0.00062
285.0000E 3	3.5579	2.67500	2.67439	2.43965	0.00061	0.0	0.0	0.0	0.00061
290.0000E 3	3.5405	2.55000	2.54940	2.34885	0.00060	0.0	0.0	0.0	0.00060
295.0000E 3	3.5234	2.00000	1.99940	1.86044	0.00060	0.0	0.0	0.0	0.00060
297.0000E 3	3.5166	4.65000	4.64941	4.34221	0.00059	0.0	0.0	0.0	0.00059
300.0000E 3	3.5066	4.65000	4.64941	4.36778	0.00059	0.0	0.0	0.0	0.00059
305.0000E 3	3.4900	4.20000	4.19942	3.98289	0.00058	0.0	0.0	0.0	0.00058
310.0000E 3	3.4738	3.75000	3.74942	3.58540	0.00058	0.0	0.0	0.0	0.00058
320.0000E 3	3.4420	3.30000	3.29943	3.20663	0.00057	0.0	0.0	0.0	0.00057
325.0000E 3	3.4265	3.24000	3.23944	3.17294	0.00056	0.0	0.0	0.0	0.00056
330.0000E 3	3.4112	3.14000	3.13945	3.09793	0.00055	0.0	0.0	0.0	0.00055

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
220.0000E 3	3.8167	0.0	0.0	0.00071	0.04270	0.0	0.0	0.0	0.0
230.0000E 3	3.7723	0.0	0.0	0.00069	0.03670	0.0	0.0	0.0	0.0
235.0000E 3	3.7508	0.0	0.0	0.00068	0.04320	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	0.0	0.0	0.00067	0.08950	0.0	0.0	0.0	0.0
243.0000E 3	3.7173	0.0	0.0	0.00067	0.11720	0.0	0.0	0.0	0.0
245.0000E 3	3.7091	0.0	0.0	0.00067	0.13570	0.0	0.0	0.0	0.0
250.0000E 3	3.6889	0.0	0.0	0.00066	0.12970	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.0	0.0	0.00064	0.11770	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.0	0.0	0.00063	0.10570	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	0.0	0.0	0.00062	0.09370	0.0	0.0	0.0	0.0
285.0000E 3	3.5579	0.0	0.0	0.00061	0.08800	0.0	0.0	0.0	0.0
290.0000E 3	3.5405	0.0	0.0	0.00060	0.07890	0.0	0.0	0.0	0.0
295.0000E 3	3.5234	0.0	0.0	0.00060	0.06980	0.0	0.0	0.0	0.0
297.0000E 3	3.5166	0.0	0.0	0.00059	0.06620	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.00059	0.06070	0.0	0.0	0.0	0.0
305.0000E 3	3.4900	0.0	0.0	0.00058	0.05170	0.0	0.0	0.0	0.0
310.0000E 3	3.4738	0.0	0.0	0.00058	0.04390	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	0.0	0.0	0.00057	0.02830	0.0	0.0	0.0	0.0
325.0000E 3	3.4265	0.0	0.0	0.00056	0.02070	0.0	0.0	0.0	0.0
330.0000E 3	3.4112	0.0	0.0	0.00055	0.01340	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
340.0000E 3	3.3814	3.07000	3.06946	3.07368	0.00054	0.0	0.0	0.0	0.00054
350.0000E 3	3.3524	3.02000	3.01947	3.06830	0.00053	0.0	0.0	0.0	0.00053
355.0000E 3	3.3382	3.02500	3.02447	3.09546	0.00053	0.0	0.0	0.0	0.00053
360.0000E 3	3.3242	3.03000	3.02948	3.05999	0.00052	0.0	0.0	0.0	0.00052
370.0000E 3	3.2968	3.10000	3.09950	3.04762	0.00050	0.0	0.0	0.0	0.00050
375.0000E 3	3.2834	3.40000	3.39950	3.29768	0.00050	0.0	0.0	0.0	0.00050
380.0000E 3	3.2702	3.70000	3.69951	3.51613	0.00049	0.0	0.0	0.0	0.00049
390.0000E 3	3.2442	4.50000	4.49952	4.09999	0.00048	0.0	0.0	0.0	0.00048
396.0000E 3	3.2289	4.88000	4.87952	4.36228	0.00048	0.0	0.0	0.0	0.00048
400.0000E 3	3.2189	4.85000	4.84953	4.27970	0.00047	0.0	0.0	0.0	0.00047
410.0000E 3	3.1942	4.20000	4.19954	3.75401	0.00046	0.0	0.0	0.0	0.00046
420.0000E 3	3.1701	3.40000	3.39955	3.16271	0.00045	0.0	0.0	0.0	0.00045
430.0000E 3	3.1466	3.20000	3.19956	3.09313	0.00044	0.0	0.0	0.0	0.00044
435.0000E 3	3.1350	3.20000	3.19956	3.15169	0.00044	0.0	0.0	0.0	0.00044
440.0000E 3	3.1236	3.20000	3.19957	3.01059	0.00043	0.0	0.0	0.0	0.00043
445.0000E 3	3.1123	4.10000	4.09957	3.67651	0.00043	0.0	0.0	0.0	0.00043
451.0000E 3	3.0989	5.25000	5.24958	4.75444	0.00042	0.0	0.0	0.0	0.00042
460.0000E 3	3.0791	3.20000	3.19959	2.94051	0.00041	0.0	0.0	0.0	0.00041
470.0000E 3	3.0576	2.90000	2.89160	2.70829	0.00040	0.0	0.0	0.0	0.00040
475.0000E 3	3.0470	2.75000	2.73960	2.58809	0.00040	0.0	0.0	0.0	0.00040

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
340.0000E 3	3.3814	0.0	0.0	0.00054	-0.00120	0.0	0.0	0.0	0.0
350.0000E 3	3.3524	0.0	0.0	0.00053	-0.01600	0.0	0.0	0.0	0.0
355.0000E 3	3.3382	0.0	0.0	0.00053	-0.02330	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	0.0	0.0	0.00052	-0.00990	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	0.0	0.0	0.00050	0.01690	0.0	0.0	0.0	0.0
375.0000E 3	3.2834	0.0	0.0	0.00050	0.03010	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.0	0.0	0.00049	0.04970	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	0.0	0.0	0.00048	0.08890	0.0	0.0	0.0	0.0
396.0000E 3	3.2289	0.0	0.0	0.00048	0.10610	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.00047	0.11760	0.0	0.0	0.0	0.0
410.0000E 3	3.1942	0.0	0.0	0.00046	0.10620	0.0	0.0	0.0	0.0
420.0000E 3	3.1701	0.0	0.0	0.00045	0.06980	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	0.0	0.0	0.00044	0.03340	0.0	0.0	0.0	0.0
435.0000E 3	3.1350	0.0	0.0	0.00044	0.01510	0.0	0.0	0.0	0.0
440.0000E 3	3.1236	0.0	0.0	0.00043	0.05920	0.0	0.0	0.0	0.0
445.0000E 3	3.1123	0.0	0.0	0.00043	0.10330	0.0	0.0	0.0	0.0
451.0000E 3	3.0989	0.0	0.0	0.00042	0.09440	0.0	0.0	0.0	0.0
460.0000E 3	3.0791	0.0	0.0	0.00041	0.08110	0.0	0.0	0.0	0.0
470.0000E 3	3.0576	0.00800	0.0	0.00840	0.06630	0.0	0.0	0.0	0.0
475.0000E 3	3.0470	0.01000	0.0	0.01040	0.05910	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
480.0000E 3	3.0366	2.60000	2.58661	2.47998	0.00039	0.0	0.0	0.0	0.00039
490.0000E 3	3.0159	2.35000	2.33161	2.30104	0.00039	0.0	0.0	0.0	0.00039
500.0000E 3	2.9957	2.15000	2.12462	2.15935	0.00038	0.0	0.0	0.0	0.00038
510.0000E 3	2.9759	2.00000	1.96763	2.05865	0.00037	0.0	0.0	0.0	0.00037
520.0000E 3	2.9565	1.95000	1.90764	2.05532	0.00036	0.0	0.0	0.0	0.00036
530.0000E 3	2.9375	2.10000	2.04764	2.19851	0.00036	0.0	0.0	0.0	0.00036
542.0000E 3	2.9151	3.70000	3.63865	3.84410	0.00035	0.0	0.0	0.0	0.00035
545.0000E 3	2.9096	3.81000	3.74465	3.95044	0.00035	0.0	0.0	0.0	0.00035
550.0000E 3	2.9004	4.00000	3.92965	4.14698	0.00035	0.0	0.0	0.0	0.00035
560.0000E 3	2.8824	4.00000	3.91766	4.14575	0.00034	0.0	0.0	0.0	0.00034
570.0000E 3	2.8647	4.00000	3.90267	4.14402	0.00033	0.0	0.0	0.0	0.00033
575.0000E 3	2.8560	4.00000	3.89467	4.14295	0.00033	0.0	0.0	0.0	0.00033
580.0000E 3	2.8473	4.00000	3.88667	4.07230	0.00033	0.0	0.0	0.0	0.00033
590.0000E 3	2.8302	4.20000	4.07168	4.12834	0.00032	0.0	0.0	0.0	0.00032
600.0000E 3	2.8134	5.00000	4.85668	4.73871	0.00032	0.0	0.0	0.0	0.00032
602.0000E 3	2.8101	5.05000	4.90368	4.75088	0.00032	0.0	0.0	0.0	0.00032
605.0000E 3	2.8051	4.84000	4.68868	4.50335	0.00032	0.0	0.0	0.0	0.00032
610.0000E 3	2.7969	4.50000	4.34169	4.16352	0.00031	0.0	0.0	0.0	0.00031
615.0000E 3	2.7887	4.45000	4.28169	4.09376	0.00031	0.0	0.0	0.0	0.00031
620.0000E 3	2.7806	4.40000	4.22269	4.10863	0.00031	0.0	0.0	0.0	0.00031

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
480.0000E 3	3.0366	0.01300	0.0	0.01339	0.04640	0.0	0.0	0.0	0.0
490.0000E 3	3.0159	0.01800	0.0	0.01839	0.02100	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.02500	0.0	0.02538	-0.00440	0.0	0.0	0.0	0.0
510.0000E 3	2.9759	0.03200	0.0	0.03237	-0.02980	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	0.04200	0.0	0.04236	-0.05520	0.0	0.0	0.0	0.0
530.0000E 3	2.9375	0.05200	0.0	0.05236	-0.04810	0.0	0.0	0.0	0.0
542.0000E 3	2.9151	0.06100	0.0	0.06135	-0.03960	0.0	0.0	0.0	0.0
545.0000E 3	2.9096	0.06500	0.0	0.06535	-0.03750	0.0	0.0	0.0	0.0
550.0000E 3	2.9004	0.07000	0.0	0.07035	-0.03740	0.0	0.0	0.0	0.0
560.0000E 3	2.8824	0.08200	0.0	0.08234	-0.03720	0.0	0.0	0.0	0.0
570.0000E 3	2.8647	0.09700	0.0	0.09733	-0.03690	0.0	0.0	0.0	0.0
575.0000E 3	2.8560	0.10500	0.0	0.10533	-0.03670	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	0.11300	0.0	0.11333	-0.01860	0.0	0.0	0.0	0.0
590.0000E 3	2.8302	0.12800	0.0	0.12832	0.01760	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.14300	0.0	0.14332	0.05380	0.0	0.0	0.0	0.0
602.0000E 3	2.8101	0.14600	0.0	0.14632	0.06100	0.0	0.0	0.0	0.0
605.0000E 3	2.8051	0.15100	0.0	0.15132	0.07180	0.0	0.0	0.0	0.0
610.0000E 3	2.7969	0.15800	0.0	0.15831	0.07750	0.0	0.0	0.0	0.0
615.0000E 3	2.7887	0.16800	0.0	0.16831	0.08320	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.17700	0.0	0.17731	0.06900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
625.0000E 3	2.7726	4.50000	4.30969	4.26383	0.00031	0.0	0.0	0.0	0.00031
630.0000E 3	2.7646	4.60000	4.39769	4.48214	0.00031	0.0	0.0	0.0	0.00031
635.0000E 3	2.7567	4.80000	4.58570	4.80550	0.00030	0.0	0.0	0.0	0.00030
640.0000E 3	2.7489	5.00000	4.77470	4.97517	0.00030	0.0	0.0	0.0	0.00030
650.0000E 3	2.7334	5.40000	5.15070	5.30729	0.00030	0.0	0.0	0.0	0.00030
660.0000E 3	2.7181	5.95000	5.68070	5.77503	0.00030	0.0	0.0	0.0	0.00030
670.0000E 3	2.7031	6.30000	6.00471	6.03940	0.00029	0.0	0.0	0.0	0.00029
680.0000E 3	2.6882	6.90000	6.57471	6.32208	0.00029	0.0	0.0	0.0	0.00029
690.0000E 3	2.6736	7.50000	7.15471	6.55272	0.00029	0.0	0.0	0.0	0.00029
700.0000E 3	2.6593	8.10000	7.73372	6.73113	0.00028	0.0	0.0	0.0	0.00028
710.0000E 3	2.6451	8.40000	8.01572	6.65658	0.00028	0.0	0.0	0.0	0.00028
720.0000E 3	2.6311	8.25000	7.84772	6.12327	0.00028	0.0	0.0	0.0	0.00028
730.0000E 3	2.6173	7.60000	7.18773	5.52850	0.00027	0.0	0.0	0.0	0.00027
740.0000E 3	2.6037	6.00000	5.58473	4.29442	0.00027	0.0	0.0	0.0	0.00027
750.0000E 3	2.5903	5.00000	4.58973	3.51935	0.00027	0.0	0.0	0.0	0.00027
755.0000E 3	2.5836	4.75000	4.34173	3.31289	0.00027	0.0	0.0	0.0	0.00027
760.0000E 3	2.5770	4.50000	4.09474	3.20811	0.00026	0.0	0.0	0.0	0.00026
765.0000E 3	2.5705	5.25000	4.84774	3.79568	0.00026	0.0	0.0	0.0	0.00026
770.0000E 3	2.5639	6.00000	5.60174	4.48753	0.00026	0.0	0.0	0.0	0.00026
775.0000E 3	2.5575	6.40000	6.00374	4.95910	0.00026	0.0	0.0	0.0	0.00026

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
625.0000E 3	2.7726	0.19000	0.0	0.19031	0.05480	0.0	0.0	0.0	0.0
630.0000E 3	2.7646	0.20200	0.0	0.20231	0.02680	0.0	0.0	0.0	0.0
635.0000E 3	2.7567	0.21400	0.0	0.21430	-0.00120	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.22500	0.0	0.22530	0.00520	0.0	0.0	0.0	0.0
650.0000E 3	2.7334	0.24900	0.0	0.24930	0.01800	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	0.26900	0.0	0.26930	0.03080	0.0	0.0	0.0	0.0
670.0000E 3	2.7031	0.29500	0.0	0.29529	0.04340	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.32500	0.0	0.32529	0.08790	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.34500	0.0	0.34529	0.13240	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.36600	0.0	0.36628	0.17700	0.0	0.0	0.0	0.0
710.0000E 3	2.6451	0.38400	0.0	0.38428	0.21750	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.40200	0.0	0.40228	0.27100	0.0	0.0	0.0	0.0
730.0000E 3	2.6173	0.41200	0.0	0.41227	0.28820	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	0.41500	0.0	0.41527	0.30540	0.0	0.0	0.0	0.0
750.0000E 3	2.5903	0.41000	0.0	0.41027	0.32260	0.0	0.0	0.0	0.0
755.0000E 3	2.5836	0.40800	0.0	0.40827	0.33100	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.40500	0.0	0.40526	0.31550	0.0	0.0	0.0	0.0
765.0000E 3	2.5705	0.40200	0.0	0.40226	0.30000	0.0	0.0	0.0	0.0
770.0000E 3	2.5639	0.39800	0.0	0.39826	0.27000	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.39600	0.0	0.39626	0.24000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
780.0000E 3	2.5510	6.80000	6.40674	5.14065	0.00026	0.0	0.0	0.0	0.00026
784.0000E 3	2.5459	7.00000	6.60874	5.18788	0.00026	0.0	0.0	0.0	0.00026
790.0000E 3	2.5383	6.80000	6.41074	4.89601	0.00026	0.0	0.0	0.0	0.00026
795.0000E 3	2.5320	6.40000	6.01275	4.49997	0.00025	0.0	0.0	0.0	0.00025
800.0000E 3	2.5257	6.00000	5.61575	4.17039	0.00025	0.0	0.0	0.0	0.00025
810.0000E 3	2.5133	5.30000	4.92175	3.60003	0.00025	0.0	0.0	0.0	0.00025
820.0000E 3	2.5010	4.55000	4.17675	3.02549	0.00025	0.0	0.0	0.0	0.00025
830.0000E 3	2.4889	4.00000	3.63076	2.70309	0.00024	0.0	0.0	0.0	0.00024
840.0000E 3	2.4769	3.80000	3.43476	2.59955	0.00024	0.0	0.0	0.0	0.00024
850.0000E 3	2.4651	3.72000	3.35776	2.57232	0.00024	0.0	0.0	0.0	0.00024
860.0000E 3	2.4534	3.65000	3.29077	2.55088	0.00023	0.0	0.0	0.0	0.00023
870.0000E 3	2.4418	3.68000	3.32377	2.59545	0.00023	0.0	0.0	0.0	0.00023
880.0000E 3	2.4304	3.83000	3.47577	2.72297	0.00023	0.0	0.0	0.0	0.00023
890.0000E 3	2.4191	4.44000	4.08678	3.16983	0.00022	0.0	0.0	0.0	0.00022
900.0000E 3	2.4079	5.30000	4.94778	3.80082	0.00022	0.0	0.0	0.0	0.00022
910.0000E 3	2.3969	6.00000	5.64678	4.24385	0.00022	0.0	0.0	0.0	0.00022
914.0000E 3	2.3925	6.10000	5.74578	4.29468	0.00022	0.0	0.0	0.0	0.00022
920.0000E 3	2.3860	5.95000	5.59478	4.16582	0.00022	0.0	0.0	0.0	0.00022
930.0000E 3	2.3752	5.33000	4.97379	3.70407	0.00021	0.0	0.0	0.0	0.00021
940.0000E 3	2.3645	4.50000	4.14279	3.11299	0.00021	0.0	0.0	0.0	0.00021

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
780.0000E 3	2.5510	0.39300	0.0	0.39326	0.25900	0.0	0.0	0.0	0.0
784.0000E 3	2.5459	0.39100	0.0	0.39126	0.27420	0.0	0.0	0.0	0.0
790.0000E 3	2.5383	0.38900	0.0	0.38926	0.29700	0.0	0.0	0.0	0.0
795.0000E 3	2.5320	0.38700	0.0	0.38725	0.31600	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.38400	0.0	0.38425	0.32580	0.0	0.0	0.0	0.0
810.0000E 3	2.5133	0.37800	0.0	0.37825	0.34540	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.37300	0.0	0.37325	0.36500	0.0	0.0	0.0	0.0
830.0000E 3	2.4889	0.36900	0.0	0.36924	0.35720	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.36500	0.0	0.36524	0.34950	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.36200	0.0	0.36224	0.34180	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.35900	0.0	0.35923	0.33400	0.0	0.0	0.0	0.0
870.0000E 3	2.4418	0.35600	0.0	0.35623	0.32630	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	0.35400	0.0	0.35423	0.31850	0.0	0.0	0.0	0.0
890.0000E 3	2.4191	0.35300	0.0	0.35322	0.31080	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.35200	0.0	0.35222	0.30300	0.0	0.0	0.0	0.0
910.0000E 3	2.3969	0.35300	0.0	0.35322	0.31100	0.0	0.0	0.0	0.0
914.0000E 3	2.3925	0.35400	0.0	0.35422	0.31420	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.35500	0.0	0.35522	0.31890	0.0	0.0	0.0	0.0
930.0000E 3	2.3752	0.35600	0.0	0.35621	0.32690	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.35700	0.0	0.35721	0.33480	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
950.0000E 3	2.3539	3.91000	3.55179	2.69245	0.00021	0.0	0.0	0.0	0.00021
960.0000E 3	2.3434	3.54000	3.18080	2.42449	0.00020	0.0	0.0	0.0	0.00020
970.0000E 3	2.3330	3.74000	3.37780	2.52838	0.00020	0.0	0.0	0.0	0.00020
980.0000E 3	2.3228	4.16000	3.79180	2.76955	0.00020	0.0	0.0	0.0	0.00020
988.0000E 3	2.3147	4.23000	3.84780	2.97100	0.00020	0.0	0.0	0.0	0.00020
1.0000E 6	2.3026	3.51000	3.09980	2.67925	0.00020	0.0	0.0	0.0	0.00020
1.0100E 6	2.2926	3.38000	2.92780	2.59945	0.00020	0.0	0.0	0.0	0.00020
1.0200E 6	2.2828	3.61000	3.12280	2.78183	0.00020	0.0	0.0	0.0	0.00020
1.0300E 6	2.2730	3.84000	3.31781	2.96476	0.00019	0.0	0.0	0.0	0.00019
1.0400E 6	2.2634	4.08000	3.52181	3.15588	0.00019	0.0	0.0	0.0	0.00019
1.0500E 6	2.2538	4.33000	3.72681	3.35730	0.00019	0.0	0.0	0.0	0.00019
1.0600E 6	2.2443	4.59000	3.91981	3.57242	0.00019	0.0	0.0	0.0	0.00019
1.0700E 6	2.2349	4.88000	4.20281	3.79483	0.00019	0.0	0.0	0.0	0.00019
1.0800E 6	2.2256	4.83000	4.15081	3.76407	0.00019	0.0	0.0	0.0	0.00019
1.0900E 6	2.2164	4.36000	3.70981	3.41251	0.00019	0.0	0.0	0.0	0.00019
1.1000E 6	2.2073	4.54000	3.92481	3.54310	0.00019	0.0	0.0	0.0	0.00019
1.1100E 6	2.1982	4.40000	3.82182	3.43193	0.00018	0.0	0.0	0.0	0.00018
1.1200E 6	2.1893	4.16000	3.59882	3.25094	0.00018	0.0	0.0	0.0	0.00018
1.1300E 6	2.1804	3.90000	3.34082	3.05845	0.00018	0.0	0.0	0.0	0.00018
1.1400E 6	2.1716	3.76000	3.19882	2.95646	0.00018	0.0	0.0	0.0	0.00018

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
950.0000E 3	2.3539	0.35800	0.0	0.35821	0.34280	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	0.35900	0.0	0.35920	0.35070	0.0	0.0	0.0	0.0
970.0000E 3	2.3330	0.36200	0.0	0.36220	0.35870	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.36800	0.0	0.36820	0.36670	0.0	0.0	0.0	0.0
988.0000E 3	2.3147	0.38200	0.0	0.38220	0.32720	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.41000	0.0	0.41020	0.26800	0.0	0.0	0.0	0.0
1.0100E 6	2.2926	0.45200	0.0	0.45220	0.26660	0.0	0.0	0.0	0.0
1.0200E 6	2.2828	0.48700	0.0	0.48720	0.26520	0.0	0.0	0.0	0.0
1.0300E 6	2.2730	0.52200	0.0	0.52219	0.26380	0.0	0.0	0.0	0.0
1.0400E 6	2.2634	0.55800	0.0	0.55819	0.26240	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.60300	0.0	0.60319	0.26100	0.0	0.0	0.0	0.0
1.0600E 6	2.2443	0.67000	0.0	0.67019	0.25960	0.0	0.0	0.0	0.0
1.0700E 6	2.2349	0.67700	0.0	0.67719	0.25820	0.0	0.0	0.0	0.0
1.0800E 6	2.2256	0.67900	0.0	0.67919	0.25680	0.0	0.0	0.0	0.0
1.0900E 6	2.2164	0.65000	0.0	0.65019	0.25540	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.61500	0.0	0.61519	0.25400	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	0.57800	0.0	0.57818	0.25330	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	0.56100	0.0	0.56118	0.25260	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	0.55900	0.0	0.55918	0.25190	0.0	0.0	0.0	0.0
1.1400E 6	2.1716	0.56100	0.0	0.56118	0.25120	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1500E 6	2.1628	3.73000	3.16482	2.93721	0.00018	0.0	0.0	0.0	0.00018
1.1600E 6	2.1542	3.74000	3.16382	2.94968	0.00018	0.0	0.0	0.0	0.00018
1.1700E 6	2.1456	3.76000	3.16982	2.97040	0.00018	0.0	0.0	0.0	0.00018
1.1800E 6	2.1371	3.80000	3.19482	3.00641	0.00018	0.0	0.0	0.0	0.00018
1.1900E 6	2.1286	3.54000	2.91983	2.81676	0.00017	0.0	0.0	0.0	0.00017
1.2000E 6	2.1203	3.33000	2.69483	2.66438	0.00017	0.0	0.0	0.0	0.00017
1.2100E 6	2.1120	3.35000	2.69983	2.68368	0.00017	0.0	0.0	0.0	0.00017
1.2200E 6	2.1037	3.65000	2.98483	2.91394	0.00017	0.0	0.0	0.0	0.00017
1.2300E 6	2.0956	4.14000	3.45984	3.28750	0.00016	0.0	0.0	0.0	0.00016
1.2400E 6	2.0875	3.96000	3.26684	3.15570	0.00016	0.0	0.0	0.0	0.00016
1.2500E 6	2.0794	3.73000	3.02984	2.98466	0.00016	0.0	0.0	0.0	0.00016
1.2600E 6	2.0715	3.50000	2.79384	2.81327	0.00016	0.0	0.0	0.0	0.00016
1.2700E 6	2.0636	3.28000	2.57184	2.64836	0.00016	0.0	0.0	0.0	0.00016
1.2800E 6	2.0557	3.07000	2.36484	2.48967	0.00016	0.0	0.0	0.0	0.00016
1.2900E 6	2.0479	3.00000	2.40484	2.41033	0.00016	0.0	0.0	0.0	0.00016
1.3000E 6	2.0402	3.16000	2.60584	2.52157	0.00016	0.0	0.0	0.0	0.00016
1.3100E 6	2.0326	3.54000	3.02484	2.80164	0.00016	0.0	0.0	0.0	0.00016
1.3200E 6	2.0250	4.33000	3.85484	3.39250	0.00016	0.0	0.0	0.0	0.00016
1.3300E 6	2.0174	4.08000	3.64484	3.19686	0.00016	0.0	0.0	0.0	0.00016
1.3400E 6	2.0099	3.60000	3.20184	2.82708	0.00016	0.0	0.0	0.0	0.00016

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1500E 6	2.1628	0.56500	0.0	0.56518	0.25050	0.0	0.0	0.0	0.0
1.1600E 6	2.1542	0.57600	0.0	0.57618	0.24980	0.0	0.0	0.0	0.0
1.1700E 6	2.1456	0.59000	0.0	0.59018	0.24910	0.0	0.0	0.0	0.0
1.1800E 6	2.1371	0.60500	0.0	0.60518	0.24840	0.0	0.0	0.0	0.0
1.1900E 6	2.1286	0.62000	0.0	0.62017	0.24770	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.63500	0.0	0.63517	0.24700	0.0	0.0	0.0	0.0
1.2100E 6	2.1120	0.65000	0.0	0.65017	0.24680	0.0	0.0	0.0	0.0
1.2200E 6	2.1037	0.66500	0.0	0.66517	0.24660	0.0	0.0	0.0	0.0
1.2300E 6	2.0956	0.68000	0.0	0.68016	0.24640	0.0	0.0	0.0	0.0
1.2400E 6	2.0875	0.69300	0.0	0.69316	0.24620	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.70000	0.0	0.70016	0.24600	0.0	0.0	0.0	0.0
1.2600E 6	2.0715	0.70600	0.0	0.70616	0.24580	0.0	0.0	0.0	0.0
1.2700E 6	2.0636	0.70800	0.0	0.70816	0.24560	0.0	0.0	0.0	0.0
1.2800E 6	2.0557	0.70500	0.0	0.70516	0.24540	0.0	0.0	0.0	0.0
1.2900E 6	2.0479	0.59500	0.0	0.59516	0.24520	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.55400	0.0	0.55416	0.24500	0.0	0.0	0.0	0.0
1.3100E 6	2.0326	0.51500	0.0	0.51516	0.24410	0.0	0.0	0.0	0.0
1.3200E 6	2.0250	0.47500	0.0	0.47516	0.24320	0.0	0.0	0.0	0.0
1.3300E 6	2.0174	0.43500	0.0	0.43516	0.24230	0.0	0.0	0.0	0.0
1.3400E 6	2.0099	0.39800	0.0	0.39816	0.24140	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.3500E 6	2.0025	3.20000	2.80784	2.52471	0.00016	0.0	0.0	0.0	0.00016
1.3600E 6	1.9951	3.00000	2.61284	2.37396	0.00016	0.0	0.0	0.0	0.00016
1.3700E 6	1.9878	2.88000	2.49685	2.28400	0.00015	0.0	0.0	0.0	0.00015
1.3800E 6	1.9805	2.85000	2.46885	2.26291	0.00015	0.0	0.0	0.0	0.00015
1.3900E 6	1.9733	2.98000	2.59985	2.36410	0.00015	0.0	0.0	0.0	0.00015
1.4000E 6	1.9661	3.96000	3.57985	3.11516	0.00015	0.0	0.0	0.0	0.00015
1.4100E 6	1.9590	3.39000	3.00985	2.68509	0.00015	0.0	0.0	0.0	0.00015
1.4200E 6	1.9519	3.25000	2.86985	2.58276	0.00015	0.0	0.0	0.0	0.00015
1.4300E 6	1.9449	3.11000	2.72885	2.48045	0.00015	0.0	0.0	0.0	0.00015
1.4400E 6	1.9379	3.00000	2.61685	2.40074	0.00015	0.0	0.0	0.0	0.00015
1.4500E 6	1.9310	2.90000	2.51485	2.32863	0.00015	0.0	0.0	0.0	0.00015
1.4600E 6	1.9241	2.96000	2.57185	2.38005	0.00015	0.0	0.0	0.0	0.00015
1.4700E 6	1.9173	3.00000	2.60885	2.41640	0.00015	0.0	0.0	0.0	0.00015
1.4800E 6	1.9105	2.85000	2.45585	2.30480	0.00015	0.0	0.0	0.0	0.00015
1.4900E 6	1.9038	2.74000	2.34285	2.22176	0.00015	0.0	0.0	0.0	0.00015
1.5000E 6	1.8971	2.85000	2.44885	2.31517	0.00015	0.0	0.0	0.0	0.00015
1.5100E 6	1.8905	2.97000	2.56585	2.39987	0.00015	0.0	0.0	0.0	0.00015
1.5200E 6	1.8839	2.82000	2.41286	2.27493	0.00014	0.0	0.0	0.0	0.00014
1.5300E 6	1.8773	2.70000	2.28886	2.17425	0.00014	0.0	0.0	0.0	0.00014
1.5400E 6	1.8708	2.63000	2.21486	2.11305	0.00014	0.0	0.0	0.0	0.00014

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.3500E 6	2.0025	0.39200	0.0	0.39216	0.24050	0.0	0.0	0.0	0.0
1.3600E 6	1.9951	0.38700	0.0	0.38716	0.23960	0.0	0.0	0.0	0.0
1.3700E 6	1.9878	0.38300	0.0	0.38315	0.23870	0.0	0.0	0.0	0.0
1.3800E 6	1.9805	0.38100	0.0	0.38115	0.23780	0.0	0.0	0.0	0.0
1.3900E 6	1.9733	0.38000	0.0	0.38015	0.23690	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.38000	0.0	0.38015	0.23600	0.0	0.0	0.0	0.0
1.4100E 6	1.9590	0.38000	0.0	0.38015	0.23420	0.0	0.0	0.0	0.0
1.4200E 6	1.9519	0.38000	0.0	0.38015	0.23250	0.0	0.0	0.0	0.0
1.4300E 6	1.9449	0.38100	0.0	0.38115	0.23070	0.0	0.0	0.0	0.0
1.4400E 6	1.9379	0.38300	0.0	0.38315	0.22900	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.38500	0.0	0.38515	0.22720	0.0	0.0	0.0	0.0
1.4600E 6	1.9241	0.38800	0.0	0.38815	0.22550	0.0	0.0	0.0	0.0
1.4700E 6	1.9173	0.39100	0.0	0.39115	0.22370	0.0	0.0	0.0	0.0
1.4800E 6	1.9105	0.39400	0.0	0.39415	0.22200	0.0	0.0	0.0	0.0
1.4900E 6	1.9038	0.39700	0.0	0.39715	0.22120	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.40100	0.0	0.40115	0.21840	0.0	0.0	0.0	0.0
1.5100E 6	1.8905	0.40400	0.0	0.40415	0.22220	0.0	0.0	0.0	0.0
1.5200E 6	1.8839	0.40700	0.0	0.40714	0.22590	0.0	0.0	0.0	0.0
1.5300E 6	1.8773	0.41100	0.0	0.41114	0.22970	0.0	0.0	0.0	0.0
1.5400E 6	1.8708	0.41500	0.0	0.41514	0.23340	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.5500E 6	1.8643	2.62000	2.20086	2.09796	0.00014	0.0	0.0	0.0	0.00014
1.5600E 6	1.8579	2.61000	2.18686	2.08319	0.00014	0.0	0.0	0.0	0.00014
1.5700E 6	1.8515	2.66000	2.23286	2.11362	0.00014	0.0	0.0	0.0	0.00014
1.5800E 6	1.8452	2.74000	2.30886	2.16648	0.00014	0.0	0.0	0.0	0.00014
1.5900E 6	1.8389	2.91000	2.47486	2.28584	0.00014	0.0	0.0	0.0	0.00014
1.6000E 6	1.8326	3.24000	2.80086	2.52298	0.00014	0.0	0.0	0.0	0.00014
1.6100E 6	1.8264	4.05000	3.60586	3.12618	0.00014	0.0	0.0	0.0	0.00014
1.6200E 6	1.8202	4.65000	4.19886	3.57341	0.00014	0.0	0.0	0.0	0.00014
1.6300E 6	1.8140	3.76000	3.29686	2.91403	0.00014	0.0	0.0	0.0	0.00014
1.6400E 6	1.8079	3.16000	2.66386	2.47592	0.00014	0.0	0.0	0.0	0.00014
1.6500E 6	1.8018	2.90000	2.37486	2.28966	0.00014	0.0	0.0	0.0	0.00014
1.6600E 6	1.7958	2.78000	2.23986	2.20391	0.00014	0.0	0.0	0.0	0.00014
1.6700E 6	1.7898	2.68000	2.13186	2.13126	0.00014	0.0	0.0	0.0	0.00014
1.6800E 6	1.7838	2.53000	1.97686	2.02076	0.00014	0.0	0.0	0.0	0.00014
1.6900E 6	1.7779	2.24000	1.68286	1.80616	0.00014	0.0	0.0	0.0	0.00014
1.7000E 6	1.7720	2.70000	2.13986	2.14792	0.00014	0.0	0.0	0.0	0.00014
1.7100E 6	1.7661	3.06000	2.49686	2.40358	0.00014	0.0	0.0	0.0	0.00014
1.7200E 6	1.7603	3.26000	2.69186	2.53912	0.00014	0.0	0.0	0.0	0.00014
1.7300E 6	1.7545	3.38000	2.80487	2.61511	0.00013	0.0	0.0	0.0	0.00013
1.7400E 6	1.7487	3.46000	2.86287	2.66527	0.00013	0.0	0.0	0.0	0.00013

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.5500E 6	1.8643	0.41900	0.0	0.41914	0.23720	0.0	0.0	0.0	0.0
1.5600E 6	1.8579	0.42300	0.0	0.42314	0.24090	0.0	0.0	0.0	0.0
1.5700E 6	1.8515	0.42700	0.0	0.42714	0.24470	0.0	0.0	0.0	0.0
1.5800E 6	1.8452	0.43100	0.0	0.43114	0.24840	0.0	0.0	0.0	0.0
1.5900E 6	1.8389	0.43500	0.0	0.43514	0.25220	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.43900	0.0	0.43914	0.25600	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	0.44400	0.0	0.44414	0.25620	0.0	0.0	0.0	0.0
1.6200E 6	1.8202	0.45100	0.0	0.45114	0.25640	0.0	0.0	0.0	0.0
1.6300E 6	1.8140	0.46300	0.0	0.46314	0.25660	0.0	0.0	0.0	0.0
1.6400E 6	1.8079	0.49600	0.0	0.49614	0.25680	0.0	0.0	0.0	0.0
1.6500E 6	1.8018	0.52500	0.0	0.52514	0.25700	0.0	0.0	0.0	0.0
1.6600E 6	1.7958	0.54000	0.0	0.54014	0.25720	0.0	0.0	0.0	0.0
1.6700E 6	1.7898	0.54800	0.0	0.54814	0.25740	0.0	0.0	0.0	0.0
1.6800E 6	1.7838	0.55300	0.0	0.55314	0.25760	0.0	0.0	0.0	0.0
1.6900E 6	1.7779	0.55700	0.0	0.55714	0.25780	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	0.56000	0.0	0.56014	0.25800	0.0	0.0	0.0	0.0
1.7100E 6	1.7661	0.56300	0.0	0.56314	0.26290	0.0	0.0	0.0	0.0
1.7200E 6	1.7603	0.56800	0.0	0.56814	0.26780	0.0	0.0	0.0	0.0
1.7300E 6	1.7545	0.57500	0.0	0.57513	0.27270	0.0	0.0	0.0	0.0
1.7400E 6	1.7487	0.59700	0.0	0.59713	0.27760	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.7500E 6	1.7430	3.48000	2.86087	2.67180	0.00013	0.0	0.0	0.0	0.00013
1.7600E 6	1.7373	3.40000	2.75687	2.60768	0.00013	0.0	0.0	0.0	0.00013
1.7700E 6	1.7316	3.10000	2.43987	2.38683	0.00013	0.0	0.0	0.0	0.00013
1.7800E 6	1.7260	3.00000	2.33087	2.30727	0.00013	0.0	0.0	0.0	0.00013
1.7900E 6	1.7204	3.08000	2.40387	2.35379	0.00013	0.0	0.0	0.0	0.00013
1.8000E 6	1.7148	3.27000	2.59087	2.47460	0.00013	0.0	0.0	0.0	0.00013
1.8100E 6	1.7093	3.23000	2.54987	2.47753	0.00013	0.0	0.0	0.0	0.00013
1.8200E 6	1.7037	3.10000	2.41887	2.41498	0.00013	0.0	0.0	0.0	0.00013
1.8300E 6	1.6983	2.97000	2.29287	2.34794	0.00013	0.0	0.0	0.0	0.00013
1.8400E 6	1.6928	2.86000	2.18887	2.29221	0.00013	0.0	0.0	0.0	0.00013
1.8500E 6	1.6874	2.70000	2.03987	2.19513	0.00013	0.0	0.0	0.0	0.00013
1.8600E 6	1.6820	2.53000	1.88687	2.08545	0.00013	0.0	0.0	0.0	0.00013
1.8700E 6	1.6766	2.36000	1.74987	1.96505	0.00013	0.0	0.0	0.0	0.00013
1.8800E 6	1.6713	2.23000	1.65087	1.88035	0.00013	0.0	0.0	0.0	0.00013
1.8900E 6	1.6660	2.15000	1.58787	1.83258	0.00013	0.0	0.0	0.0	0.00013
1.9000E 6	1.6607	2.17000	1.61887	1.86565	0.00013	0.0	0.0	0.0	0.00013
1.9100E 6	1.6555	2.24000	1.69287	1.88213	0.00013	0.0	0.0	0.0	0.00013
1.9200E 6	1.6503	2.40000	1.85387	1.96471	0.00013	0.0	0.0	0.0	0.00013
1.9300E 6	1.6451	2.54000	1.98787	2.02673	0.00013	0.0	0.0	0.0	0.00013
1.9400E 6	1.6399	2.65000	2.06687	2.06797	0.00013	0.0	0.0	0.0	0.00013

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.7500E 6	1.7430	0.61900	0.0	0.61913	0.28250	0.0	0.0	0.0	0.0
1.7600E 6	1.7373	0.64300	0.0	0.64313	0.28740	0.0	0.0	0.0	0.0
1.7700E 6	1.7316	0.66000	0.0	0.66013	0.29230	0.0	0.0	0.0	0.0
1.7800E 6	1.7260	0.66900	0.0	0.66913	0.29720	0.0	0.0	0.0	0.0
1.7900E 6	1.7204	0.67600	0.0	0.67613	0.30210	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.67900	0.0	0.67913	0.30700	0.0	0.0	0.0	0.0
1.8100E 6	1.7093	0.68000	0.0	0.68013	0.29510	0.0	0.0	0.0	0.0
1.8200E 6	1.7037	0.68100	0.0	0.68113	0.28320	0.0	0.0	0.0	0.0
1.8300E 6	1.6983	0.67700	0.0	0.67713	0.27130	0.0	0.0	0.0	0.0
1.8400E 6	1.6928	0.67100	0.0	0.67113	0.25940	0.0	0.0	0.0	0.0
1.8500E 6	1.6874	0.66000	0.0	0.66013	0.24750	0.0	0.0	0.0	0.0
1.8600E 6	1.6820	0.64300	0.0	0.64313	0.23560	0.0	0.0	0.0	0.0
1.8700E 6	1.6766	0.61000	0.0	0.61013	0.22570	0.0	0.0	0.0	0.0
1.8800E 6	1.6713	0.57900	0.0	0.57913	0.21180	0.0	0.0	0.0	0.0
1.8900E 6	1.6660	0.56200	0.0	0.56213	0.19990	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.55100	0.0	0.55113	0.18800	0.0	0.0	0.0	0.0
1.9100E 6	1.6555	0.54700	0.0	0.54713	0.21140	0.0	0.0	0.0	0.0
1.9200E 6	1.6503	0.54600	0.0	0.54613	0.23480	0.0	0.0	0.0	0.0
1.9300E 6	1.6451	0.55200	0.0	0.55213	0.25820	0.0	0.0	0.0	0.0
1.9400E 6	1.6399	0.58300	0.0	0.58313	0.28160	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.9500E 6	1.6348	2.73000	2.11287	2.08536	0.00013	0.0	0.0	0.0	0.00013
1.9600E 6	1.6296	2.80000	2.14687	2.09475	0.00013	0.0	0.0	0.0	0.00013
1.9700E 6	1.6246	2.80000	2.12687	2.05155	0.00013	0.0	0.0	0.0	0.00013
1.9800E 6	1.6195	2.77000	2.08487	1.98755	0.00013	0.0	0.0	0.0	0.00013
1.9900E 6	1.6145	2.69000	1.99687	1.89385	0.00013	0.0	0.0	0.0	0.00013
2.0000E 6	1.6094	2.57000	1.87187	1.77988	0.00013	0.0	0.0	0.0	0.00013
2.0100E 6	1.6045	2.69000	1.99087	1.85443	0.00013	0.0	0.0	0.0	0.00013
2.0200E 6	1.5995	2.79000	2.09087	1.91748	0.00013	0.0	0.0	0.0	0.00013
2.0300E 6	1.5945	2.91000	2.21087	1.99271	0.00013	0.0	0.0	0.0	0.00013
2.0400E 6	1.5896	3.03000	2.33087	2.06852	0.00013	0.0	0.0	0.0	0.00013
2.0500E 6	1.5847	3.15000	2.45087	2.14490	0.00013	0.0	0.0	0.0	0.00013
2.0600E 6	1.5799	3.23000	2.53087	2.19842	0.00013	0.0	0.0	0.0	0.00013
2.0700E 6	1.5750	3.31000	2.61087	2.25208	0.00013	0.0	0.0	0.0	0.00013
2.0800E 6	1.5702	3.40000	2.70087	2.31209	0.00013	0.0	0.0	0.0	0.00013
2.0900E 6	1.5654	3.49000	2.78987	2.37294	0.00013	0.0	0.0	0.0	0.00013
2.1000E 6	1.5606	3.59000	2.88887	2.44023	0.00013	0.0	0.0	0.0	0.00013
2.1100E 6	1.5559	3.25000	2.54288	2.25345	0.00012	0.0	0.0	0.0	0.00012
2.1200E 6	1.5512	3.00000	2.28588	2.11811	0.00012	0.0	0.0	0.0	0.00012
2.1300E 6	1.5465	2.97000	2.24888	2.11610	0.00012	0.0	0.0	0.0	0.00012
2.1400E 6	1.5418	2.96000	2.23288	2.12580	0.00012	0.0	0.0	0.0	0.00012

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.9500E 6	1.6348	0.61700	0.0	0.61713	0.30510	0.0	0.0	0.0	0.0
1.9600E 6	1.6296	0.65300	0.0	0.65313	0.32850	0.0	0.0	0.0	0.0
1.9700E 6	1.6246	0.67300	0.0	0.67313	0.35190	0.0	0.0	0.0	0.0
1.9800E 6	1.6195	0.68500	0.0	0.68513	0.37530	0.0	0.0	0.0	0.0
1.9900E 6	1.6145	0.69300	0.0	0.69313	0.39870	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.69800	0.0	0.69813	0.42210	0.0	0.0	0.0	0.0
2.0100E 6	1.6045	0.69900	0.0	0.69913	0.41970	0.0	0.0	0.0	0.0
2.0200E 6	1.5995	0.69900	0.0	0.69913	0.41730	0.0	0.0	0.0	0.0
2.0300E 6	1.5945	0.69900	0.0	0.69913	0.41490	0.0	0.0	0.0	0.0
2.0400E 6	1.5896	0.69900	0.0	0.69913	0.41250	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	0.69900	0.0	0.69913	0.41010	0.0	0.0	0.0	0.0
2.0600E 6	1.5799	0.69900	0.0	0.69913	0.40760	0.0	0.0	0.0	0.0
2.0700E 6	1.5750	0.69900	0.0	0.69913	0.40520	0.0	0.0	0.0	0.0
2.0800E 6	1.5702	0.69900	0.0	0.69913	0.40280	0.0	0.0	0.0	0.0
2.0900E 6	1.5654	0.70000	0.0	0.70013	0.40040	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.70100	0.0	0.70113	0.39800	0.0	0.0	0.0	0.0
2.1100E 6	1.5559	0.70700	0.0	0.70712	0.39190	0.0	0.0	0.0	0.0
2.1200E 6	1.5512	0.71400	0.0	0.71412	0.38580	0.0	0.0	0.0	0.0
2.1300E 6	1.5465	0.72100	0.0	0.72112	0.37970	0.0	0.0	0.0	0.0
2.1400E 6	1.5418	0.72700	0.0	0.72712	0.37360	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.1500E 6	1.5371	2.96000	2.22588	2.14199	0.00012	0.0	0.0	0.0	0.00012
2.1600E 6	1.5325	2.97000	2.22888	2.16448	0.00012	0.0	0.0	0.0	0.00012
2.1700E 6	1.5279	2.98000	2.22288	2.19021	0.00012	0.0	0.0	0.0	0.00012
2.1800E 6	1.5233	2.99000	2.21588	2.21621	0.00012	0.0	0.0	0.0	0.00012
2.1900E 6	1.5187	2.99000	2.20188	2.23453	0.00012	0.0	0.0	0.0	0.00012
2.2000E 6	1.5141	2.98000	2.17788	2.24605	0.00012	0.0	0.0	0.0	0.00012
2.2100E 6	1.5096	2.96000	2.14788	2.22457	0.00012	0.0	0.0	0.0	0.00012
2.2200E 6	1.5051	2.92000	2.11888	2.18284	0.00012	0.0	0.0	0.0	0.00012
2.2300E 6	1.5006	2.89000	2.10388	2.14670	0.00012	0.0	0.0	0.0	0.00012
2.2400E 6	1.4961	2.86000	2.08888	2.11072	0.00012	0.0	0.0	0.0	0.00012
2.2500E 6	1.4917	2.83000	2.07688	2.07360	0.00012	0.0	0.0	0.0	0.00012
2.2600E 6	1.4872	2.80000	2.06488	2.03682	0.00012	0.0	0.0	0.0	0.00012
2.2700E 6	1.4828	2.77000	2.05188	2.00055	0.00012	0.0	0.0	0.0	0.00012
2.2800E 6	1.4784	2.74000	2.03988	1.96403	0.00012	0.0	0.0	0.0	0.00012
2.2900E 6	1.4740	2.71000	2.02088	1.93014	0.00012	0.0	0.0	0.0	0.00012
2.3000E 6	1.4697	2.69000	2.01088	1.90314	0.00012	0.0	0.0	0.0	0.00012
2.3100E 6	1.4653	2.68000	1.99788	1.88744	0.00012	0.0	0.0	0.0	0.00012
2.3200E 6	1.4610	2.67000	1.98388	1.87208	0.00012	0.0	0.0	0.0	0.00012
2.3300E 6	1.4567	2.66000	1.98388	1.85137	0.00012	0.0	0.0	0.0	0.00012
2.3400E 6	1.4524	2.67000	2.00488	1.84198	0.00012	0.0	0.0	0.0	0.00012

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.1500E 6	1.5371	0.73400	0.0	0.73412	0.36750	0.0	0.0	0.0	0.0
2.1600E 6	1.5325	0.74100	0.0	0.74112	0.36140	0.0	0.0	0.0	0.0
2.1700E 6	1.5279	0.75700	0.0	0.75712	0.35530	0.0	0.0	0.0	0.0
2.1800E 6	1.5233	0.77400	0.0	0.77412	0.34920	0.0	0.0	0.0	0.0
2.1900E 6	1.5187	0.78800	0.0	0.78812	0.34310	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.80200	0.0	0.80212	0.33700	0.0	0.0	0.0	0.0
2.2100E 6	1.5096	0.81200	0.0	0.81212	0.34240	0.0	0.0	0.0	0.0
2.2200E 6	1.5051	0.80100	0.0	0.80112	0.34790	0.0	0.0	0.0	0.0
2.2300E 6	1.5006	0.78600	0.0	0.78612	0.35330	0.0	0.0	0.0	0.0
2.2400E 6	1.4961	0.77100	0.0	0.77112	0.35870	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	0.75300	0.0	0.75312	0.36420	0.0	0.0	0.0	0.0
2.2600E 6	1.4872	0.73500	0.0	0.73512	0.36960	0.0	0.0	0.0	0.0
2.2700E 6	1.4828	0.71800	0.0	0.71812	0.37500	0.0	0.0	0.0	0.0
2.2800E 6	1.4784	0.70000	0.0	0.70012	0.38040	0.0	0.0	0.0	0.0
2.2900E 6	1.4740	0.68900	0.0	0.68912	0.38590	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.67900	0.0	0.67912	0.39130	0.0	0.0	0.0	0.0
2.3100E 6	1.4653	0.68200	0.0	0.68212	0.39670	0.0	0.0	0.0	0.0
2.3200E 6	1.4610	0.68600	0.0	0.68612	0.40220	0.0	0.0	0.0	0.0
2.3300E 6	1.4567	0.67600	0.0	0.67612	0.40760	0.0	0.0	0.0	0.0
2.3400E 6	1.4524	0.66500	0.0	0.66512	0.41300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.3500E 6	1.4482	2.76000	2.11088	1.87660	0.00012	0.0	0.0	0.0	0.00012
2.3600E 6	1.4439	3.00000	2.36788	1.99626	0.00012	0.0	0.0	0.0	0.00012
2.3700E 6	1.4397	3.27000	2.64488	2.13455	0.00012	0.0	0.0	0.0	0.00012
2.3800E 6	1.4355	3.52000	2.90088	2.25899	0.00012	0.0	0.0	0.0	0.00012
2.3900E 6	1.4313	3.41000	2.79788	2.17837	0.00012	0.0	0.0	0.0	0.00012
2.4000E 6	1.4271	3.28000	2.67288	2.08896	0.00012	0.0	0.0	0.0	0.00012
2.4100E 6	1.4230	3.17000	2.56588	2.01279	0.00012	0.0	0.0	0.0	0.00012
2.4200E 6	1.4188	3.18000	2.56988	2.00685	0.00012	0.0	0.0	0.0	0.00012
2.4300E 6	1.4147	3.20000	2.58488	2.00604	0.00012	0.0	0.0	0.0	0.00012
2.4400E 6	1.4106	3.10000	2.47988	1.94115	0.00012	0.0	0.0	0.0	0.00012
2.4500E 6	1.4065	2.88000	2.25488	1.81389	0.00012	0.0	0.0	0.0	0.00012
2.4600E 6	1.4024	2.69000	2.05988	1.70497	0.00012	0.0	0.0	0.0	0.00012
2.4700E 6	1.3984	2.59000	1.95488	1.64462	0.00012	0.0	0.0	0.0	0.00012
2.4800E 6	1.3943	2.75000	2.10988	1.71827	0.00012	0.0	0.0	0.0	0.00012
2.4900E 6	1.3903	2.91000	2.26488	1.79002	0.00012	0.0	0.0	0.0	0.00012
2.5000E 6	1.3863	3.07000	2.41988	1.86006	0.00012	0.0	0.0	0.0	0.00012
2.5100E 6	1.3823	3.18000	2.51988	1.91452	0.00012	0.0	0.0	0.0	0.00012
2.5200E 6	1.3783	3.00000	2.34988	1.81731	0.00012	0.0	0.0	0.0	0.00012
2.5300E 6	1.3744	2.83000	2.19588	1.72525	0.00012	0.0	0.0	0.0	0.00012
2.5400E 6	1.3704	2.66000	2.04188	1.63314	0.00012	0.0	0.0	0.0	0.00012

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.3500E 6	1.4482	0.64900	0.0	0.64912	0.41850	0.0	0.0	0.0	0.0
2.3600E 6	1.4439	0.63200	0.0	0.63212	0.42390	0.0	0.0	0.0	0.0
2.3700E 6	1.4397	0.62500	0.0	0.62512	0.42930	0.0	0.0	0.0	0.0
2.3800E 6	1.4355	0.61900	0.0	0.61912	0.43470	0.0	0.0	0.0	0.0
2.3900E 6	1.4313	0.61200	0.0	0.61212	0.44020	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.60700	0.0	0.60712	0.44560	0.0	0.0	0.0	0.0
2.4100E 6	1.4230	0.60400	0.0	0.60412	0.45100	0.0	0.0	0.0	0.0
2.4200E 6	1.4188	0.61000	0.0	0.61012	0.45650	0.0	0.0	0.0	0.0
2.4300E 6	1.4147	0.61500	0.0	0.61512	0.46190	0.0	0.0	0.0	0.0
2.4400E 6	1.4106	0.62000	0.0	0.62012	0.46730	0.0	0.0	0.0	0.0
2.4500E 6	1.4065	0.62500	0.0	0.62512	0.47280	0.0	0.0	0.0	0.0
2.4600E 6	1.4024	0.63000	0.0	0.63012	0.47820	0.0	0.0	0.0	0.0
2.4700E 6	1.3984	0.63500	0.0	0.63512	0.48360	0.0	0.0	0.0	0.0
2.4800E 6	1.3943	0.64000	0.0	0.64012	0.48900	0.0	0.0	0.0	0.0
2.4900E 6	1.3903	0.64500	0.0	0.64512	0.49450	0.0	0.0	0.0	0.0
2.5000E 6	1.3863	0.65000	0.0	0.65012	0.50000	0.0	0.0	0.0	0.0
2.5100E 6	1.3823	0.66000	0.0	0.66012	0.50220	0.0	0.0	0.0	0.0
2.5200E 6	1.3783	0.65000	0.0	0.65012	0.50330	0.0	0.0	0.0	0.0
2.5300E 6	1.3744	0.63400	0.0	0.63412	0.50310	0.0	0.0	0.0	0.0
2.5400E 6	1.3704	0.61800	0.0	0.61812	0.50290	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5500E 6	1.3665	2.50000	1.89988	1.54493	0.00012	0.0	0.0	0.0	0.00012
2.5600E 6	1.3626	2.41000	1.82788	1.49167	0.00012	0.0	0.0	0.0	0.00012
2.5700E 6	1.3587	2.35000	1.78788	1.45213	0.00012	0.0	0.0	0.0	0.00012
2.5800E 6	1.3548	2.30000	1.75788	1.41754	0.00012	0.0	0.0	0.0	0.00012
2.5900E 6	1.3509	2.28000	1.75788	1.39790	0.00012	0.0	0.0	0.0	0.00012
2.6000E 6	1.3471	2.27000	1.76788	1.38323	0.00012	0.0	0.0	0.0	0.00012
2.6100E 6	1.3432	2.28000	1.79688	1.37904	0.00012	0.0	0.0	0.0	0.00012
2.6200E 6	1.3394	2.32000	1.82588	1.40487	0.00012	0.0	0.0	0.0	0.00012
2.6300E 6	1.3356	2.42000	1.91388	1.46115	0.00012	0.0	0.0	0.0	0.00012
2.6400E 6	1.3318	2.53000	2.01088	1.52295	0.00012	0.0	0.0	0.0	0.00012
2.6500E 6	1.3280	2.61000	2.06888	1.57432	0.00012	0.0	0.0	0.0	0.00012
2.6600E 6	1.3243	2.67000	2.10488	1.61672	0.00012	0.0	0.0	0.0	0.00012
2.6700E 6	1.3205	2.70000	2.10988	1.64464	0.00012	0.0	0.0	0.0	0.00012
2.6800E 6	1.3168	2.71000	2.09388	1.66306	0.00012	0.0	0.0	0.0	0.00012
2.6900E 6	1.3130	2.70000	2.05888	1.67097	0.00012	0.0	0.0	0.0	0.00012
2.7000E 6	1.3093	2.68000	2.01088	1.67536	0.00012	0.0	0.0	0.0	0.00012
2.7100E 6	1.3056	2.63000	1.93888	1.66172	0.00012	0.0	0.0	0.0	0.00012
2.7200E 6	1.3020	2.58000	1.86588	1.64837	0.00012	0.0	0.0	0.0	0.00012
2.7300E 6	1.2983	2.53000	1.81088	1.62619	0.00012	0.0	0.0	0.0	0.00012
2.7400E 6	1.2946	2.48000	1.75588	1.60382	0.00012	0.0	0.0	0.0	0.00012

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5500E 6	1.3665	0.60000	0.0	0.60012	0.50270	0.0	0.0	0.0	0.0
2.5600E 6	1.3626	0.58200	0.0	0.58212	0.50240	0.0	0.0	0.0	0.0
2.5700E 6	1.3587	0.56200	0.0	0.56212	0.50220	0.0	0.0	0.0	0.0
2.5800E 6	1.3548	0.54200	0.0	0.54212	0.50200	0.0	0.0	0.0	0.0
2.5900E 6	1.3509	0.52200	0.0	0.52212	0.50180	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	0.50200	0.0	0.50212	0.50160	0.0	0.0	0.0	0.0
2.6100E 6	1.3432	0.48300	0.0	0.48312	0.50140	0.0	0.0	0.0	0.0
2.6200E 6	1.3394	0.49400	0.0	0.49412	0.50120	0.0	0.0	0.0	0.0
2.6300E 6	1.3356	0.50600	0.0	0.50612	0.50100	0.0	0.0	0.0	0.0
2.6400E 6	1.3318	0.51900	0.0	0.51912	0.50080	0.0	0.0	0.0	0.0
2.6500E 6	1.3280	0.54100	0.0	0.54112	0.50060	0.0	0.0	0.0	0.0
2.6600E 6	1.3243	0.56500	0.0	0.56512	0.50040	0.0	0.0	0.0	0.0
2.6700E 6	1.3205	0.59000	0.0	0.59012	0.50020	0.0	0.0	0.0	0.0
2.6800E 6	1.3168	0.61600	0.0	0.61612	0.50000	0.0	0.0	0.0	0.0
2.6900E 6	1.3130	0.64100	0.0	0.64112	0.49980	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	0.66900	0.0	0.66912	0.49960	0.0	0.0	0.0	0.0
2.7100E 6	1.3056	0.69100	0.0	0.69112	0.49940	0.0	0.0	0.0	0.0
2.7200E 6	1.3020	0.71400	0.0	0.71412	0.49930	0.0	0.0	0.0	0.0
2.7300E 6	1.2983	0.71900	0.0	0.71912	0.49910	0.0	0.0	0.0	0.0
2.7400E 6	1.2946	0.72400	0.0	0.72412	0.49900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.7500E 6	1.2910	2.43000	1.70488	1.57961	0.00012	0.0	0.0	0.0	0.00012
2.7600E 6	1.2874	2.38000	1.65388	1.55538	0.00012	0.0	0.0	0.0	0.00012
2.7700E 6	1.2837	2.35000	1.61688	1.54415	0.00012	0.0	0.0	0.0	0.00012
2.7800E 6	1.2801	2.32000	1.57888	1.53340	0.00012	0.0	0.0	0.0	0.00012
2.7900E 6	1.2765	2.30000	1.55488	1.52567	0.00012	0.0	0.0	0.0	0.00012
2.8000E 6	1.2730	2.30000	1.54988	1.52831	0.00012	0.0	0.0	0.0	0.00012
2.8100E 6	1.2694	2.29000	1.53688	1.52509	0.00012	0.0	0.0	0.0	0.00012
2.8200E 6	1.2658	2.29000	1.53888	1.52441	0.00012	0.0	0.0	0.0	0.00012
2.8300E 6	1.2623	2.30000	1.56188	1.52328	0.00012	0.0	0.0	0.0	0.00012
2.8400E 6	1.2588	2.30000	1.57388	1.51762	0.00012	0.0	0.0	0.0	0.00012
2.8500E 6	1.2553	2.32000	1.60388	1.52303	0.00012	0.0	0.0	0.0	0.00012
2.8600E 6	1.2518	2.39000	1.68288	1.55411	0.00012	0.0	0.0	0.0	0.00012
2.8700E 6	1.2483	2.45000	1.74888	1.58168	0.00012	0.0	0.0	0.0	0.00012
2.8800E 6	1.2448	2.52000	1.82388	1.61481	0.00012	0.0	0.0	0.0	0.00012
2.8900E 6	1.2413	2.58000	1.89188	1.64144	0.00012	0.0	0.0	0.0	0.00012
2.9000E 6	1.2379	2.64000	1.95988	1.66810	0.00012	0.0	0.0	0.0	0.00012
2.9100E 6	1.2344	2.72000	2.04488	1.70615	0.00012	0.0	0.0	0.0	0.00012
2.9200E 6	1.2310	2.80000	2.13088	1.74394	0.00012	0.0	0.0	0.0	0.00012
2.9300E 6	1.2276	2.87000	2.20288	1.77869	0.00012	0.0	0.0	0.0	0.00012
2.9400E 6	1.2242	2.77000	2.10488	1.72766	0.00012	0.0	0.0	0.0	0.00012

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.7500E 6	1.2910	0.72500	0.0	0.72512	0.49880	0.0	0.0	0.0	0.0
2.7600E 6	1.2874	0.72600	0.0	0.72612	0.49860	0.0	0.0	0.0	0.0
2.7700E 6	1.2837	0.73300	0.0	0.73312	0.49840	0.0	0.0	0.0	0.0
2.7800E 6	1.2801	0.74100	0.0	0.74112	0.49820	0.0	0.0	0.0	0.0
2.7900E 6	1.2765	0.74500	0.0	0.74512	0.49800	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.75000	0.0	0.75012	0.49790	0.0	0.0	0.0	0.0
2.8100E 6	1.2694	0.75300	0.0	0.75312	0.49770	0.0	0.0	0.0	0.0
2.8200E 6	1.2658	0.75100	0.0	0.75112	0.49750	0.0	0.0	0.0	0.0
2.8300E 6	1.2623	0.73800	0.0	0.73812	0.49730	0.0	0.0	0.0	0.0
2.8400E 6	1.2588	0.72600	0.0	0.72612	0.49710	0.0	0.0	0.0	0.0
2.8500E 6	1.2553	0.71600	0.0	0.71612	0.49690	0.0	0.0	0.0	0.0
2.8600E 6	1.2518	0.70700	0.0	0.70712	0.49670	0.0	0.0	0.0	0.0
2.8700E 6	1.2483	0.70100	0.0	0.70112	0.49650	0.0	0.0	0.0	0.0
2.8800E 6	1.2448	0.69600	0.0	0.69612	0.49630	0.0	0.0	0.0	0.0
2.8900E 6	1.2413	0.68800	0.0	0.68812	0.49610	0.0	0.0	0.0	0.0
2.9000E 6	1.2379	0.68000	0.0	0.68012	0.49590	0.0	0.0	0.0	0.0
2.9100E 6	1.2344	0.67500	0.0	0.67512	0.49580	0.0	0.0	0.0	0.0
2.9200E 6	1.2310	0.66900	0.0	0.66912	0.49560	0.0	0.0	0.0	0.0
2.9300E 6	1.2276	0.66700	0.0	0.66712	0.49540	0.0	0.0	0.0	0.0
2.9400E 6	1.2242	0.66500	0.0	0.66512	0.49520	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.9500E 6	1.2208	2.67000	2.01088	1.67461	0.00012	0.0	0.0	0.0	0.00012
2.9600E 6	1.2174	2.56000	1.90888	1.61549	0.00012	0.0	0.0	0.0	0.00012
2.9700E 6	1.2140	2.45000	1.81088	1.55434	0.00012	0.0	0.0	0.0	0.00012
2.9800E 6	1.2107	2.35000	1.72288	1.49821	0.00012	0.0	0.0	0.0	0.00012
2.9900E 6	1.2073	2.25000	1.63588	1.44155	0.00012	0.0	0.0	0.0	0.00012
3.0000E 6	1.2040	2.16000	1.55988	1.38942	0.00012	0.0	0.0	0.0	0.00012
3.0100E 6	1.2006	2.06000	1.47189	1.33318	0.00011	0.0	0.0	0.0	0.00011
3.0200E 6	1.1973	1.95000	1.37389	1.27185	0.00011	0.0	0.0	0.0	0.00011
3.0300E 6	1.1940	1.85000	1.27289	1.22196	0.00011	0.0	0.0	0.0	0.00011
3.0400E 6	1.1907	1.74000	1.16189	1.16696	0.00011	0.0	0.0	0.0	0.00011
3.0500E 6	1.1874	1.65000	1.06989	1.12254	0.00011	0.0	0.0	0.0	0.00011
3.0600E 6	1.1842	1.61000	1.03089	1.10198	0.00011	0.0	0.0	0.0	0.00011
3.0700E 6	1.1809	1.65000	1.06989	1.12297	0.00011	0.0	0.0	0.0	0.00011
3.0800E 6	1.1777	1.73000	1.11989	1.17857	0.00011	0.0	0.0	0.0	0.00011
3.0900E 6	1.1744	1.82000	1.17789	1.24024	0.00011	0.0	0.0	0.0	0.00011
3.1000E 6	1.1712	1.92000	1.24689	1.30653	0.00011	0.0	0.0	0.0	0.00011
3.1100E 6	1.1680	2.01000	1.30689	1.36727	0.00011	0.0	0.0	0.0	0.00011
3.1200E 6	1.1648	2.11000	1.37389	1.43460	0.00011	0.0	0.0	0.0	0.00011
3.1300E 6	1.1616	2.19000	1.44589	1.47949	0.00011	0.0	0.0	0.0	0.00011
3.1400E 6	1.1584	2.29000	1.54089	1.53311	0.00011	0.0	0.0	0.0	0.00011

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.9500E 6	1.2208	0.65900	0.0	0.65912	0.49500	0.0	0.0	0.0	0.0
2.9600E 6	1.2174	0.65100	0.0	0.65112	0.49480	0.0	0.0	0.0	0.0
2.9700E 6	1.2140	0.63900	0.0	0.63912	0.49460	0.0	0.0	0.0	0.0
2.9800E 6	1.2107	0.62700	0.0	0.62712	0.49440	0.0	0.0	0.0	0.0
2.9900E 6	1.2073	0.61400	0.0	0.61412	0.49420	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	0.60000	0.0	0.60012	0.49400	0.0	0.0	0.0	0.0
3.0100E 6	1.2006	0.58800	0.0	0.58811	0.49380	0.0	0.0	0.0	0.0
3.0200E 6	1.1973	0.57600	0.0	0.57611	0.49360	0.0	0.0	0.0	0.0
3.0300E 6	1.1940	0.57700	0.0	0.57711	0.49340	0.0	0.0	0.0	0.0
3.0400E 6	1.1907	0.57800	0.0	0.57811	0.49320	0.0	0.0	0.0	0.0
3.0500E 6	1.1874	0.58000	0.0	0.58011	0.49300	0.0	0.0	0.0	0.0
3.0600E 6	1.1842	0.57900	0.0	0.57911	0.49280	0.0	0.0	0.0	0.0
3.0700E 6	1.1809	0.58000	0.0	0.58011	0.49260	0.0	0.0	0.0	0.0
3.0800E 6	1.1777	0.61000	0.0	0.61011	0.49240	0.0	0.0	0.0	0.0
3.0900E 6	1.1744	0.64200	0.0	0.64211	0.49220	0.0	0.0	0.0	0.0
3.1000E 6	1.1712	0.67300	0.0	0.67311	0.49200	0.0	0.0	0.0	0.0
3.1100E 6	1.1680	0.70300	0.0	0.70311	0.49180	0.0	0.0	0.0	0.0
3.1200E 6	1.1648	0.73600	0.0	0.73611	0.49160	0.0	0.0	0.0	0.0
3.1300E 6	1.1616	0.74400	0.0	0.74411	0.49140	0.0	0.0	0.0	0.0
3.1400E 6	1.1584	0.74900	0.0	0.74911	0.49120	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.1500E 6	1.1552	2.38000	1.62889	1.58022	0.00011	0.0	0.0	0.0	0.00011
3.1600E 6	1.1520	2.47000	1.71389	1.62882	0.00011	0.0	0.0	0.0	0.00011
3.1700E 6	1.1489	2.41000	1.65089	1.60007	0.00011	0.0	0.0	0.0	0.00011
3.1800E 6	1.1457	2.36000	1.59989	1.57541	0.00011	0.0	0.0	0.0	0.00011
3.1900E 6	1.1426	2.30000	1.54489	1.54269	0.00011	0.0	0.0	0.0	0.00011
3.2000E 6	1.1394	2.25000	1.49689	1.51652	0.00011	0.0	0.0	0.0	0.00011
3.2100E 6	1.1363	2.19000	1.44089	1.48425	0.00011	0.0	0.0	0.0	0.00011
3.2200E 6	1.1332	2.13000	1.38389	1.45245	0.00011	0.0	0.0	0.0	0.00011
3.2300E 6	1.1301	2.06000	1.31889	1.41454	0.00011	0.0	0.0	0.0	0.00011
3.2400E 6	1.1270	1.99000	1.23889	1.38394	0.00011	0.0	0.0	0.0	0.00011
3.2500E 6	1.1239	1.92000	1.11489	1.37482	0.00011	0.0	0.0	0.0	0.00011
3.2600E 6	1.1209	1.85000	0.99589	1.36321	0.00011	0.0	0.0	0.0	0.00011
3.2700E 6	1.1178	1.96000	1.08989	1.42748	0.00011	0.0	0.0	0.0	0.00011
3.2800E 6	1.1147	2.12000	1.30389	1.48318	0.00011	0.0	0.0	0.0	0.00011
3.2900E 6	1.1117	2.28000	1.50389	1.54580	0.00011	0.0	0.0	0.0	0.00011
3.3000E 6	1.1087	2.45000	1.71889	1.61101	0.00011	0.0	0.0	0.0	0.00011
3.3100E 6	1.1056	2.61000	1.92189	1.67231	0.00011	0.0	0.0	0.0	0.00011
3.3200E 6	1.1026	2.78000	2.11489	1.74857	0.00011	0.0	0.0	0.0	0.00011
3.3300E 6	1.0996	2.69000	2.01689	1.70677	0.00011	0.0	0.0	0.0	0.00011
3.3400E 6	1.0966	2.60000	1.91689	1.66590	0.00011	0.0	0.0	0.0	0.00011

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.1500E 6	1.1552	0.75100	0.0	0.75111	0.49100	0.0	0.0	0.0	0.0
3.1600E 6	1.1520	0.75600	0.0	0.75611	0.49080	0.0	0.0	0.0	0.0
3.1700E 6	1.1489	0.75900	0.0	0.75911	0.49060	0.0	0.0	0.0	0.0
3.1800E 6	1.1457	0.76000	0.0	0.76011	0.49040	0.0	0.0	0.0	0.0
3.1900E 6	1.1426	0.75500	0.0	0.75511	0.49020	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	0.75300	0.0	0.75311	0.49000	0.0	0.0	0.0	0.0
3.2100E 6	1.1363	0.74900	0.0	0.74911	0.48980	0.0	0.0	0.0	0.0
3.2200E 6	1.1332	0.74600	0.0	0.74611	0.48960	0.0	0.0	0.0	0.0
3.2300E 6	1.1301	0.74100	0.0	0.74111	0.48940	0.0	0.0	0.0	0.0
3.2400E 6	1.1270	0.75100	0.0	0.75111	0.48920	0.0	0.0	0.0	0.0
3.2500E 6	1.1239	0.80500	0.0	0.80511	0.48900	0.0	0.0	0.0	0.0
3.2600E 6	1.1209	0.85400	0.0	0.85411	0.48880	0.0	0.0	0.0	0.0
3.2700E 6	1.1178	0.87000	0.0	0.87011	0.48860	0.0	0.0	0.0	0.0
3.2800E 6	1.1147	0.81600	0.0	0.81611	0.48840	0.0	0.0	0.0	0.0
3.2900E 6	1.1117	0.77600	0.0	0.77611	0.48820	0.0	0.0	0.0	0.0
3.3000E 6	1.1087	0.73100	0.0	0.73111	0.48810	0.0	0.0	0.0	0.0
3.3100E 6	1.1056	0.68800	0.0	0.68811	0.48790	0.0	0.0	0.0	0.0
3.3200E 6	1.1026	0.66500	0.0	0.66511	0.48770	0.0	0.0	0.0	0.0
3.3300E 6	1.0996	0.67300	0.0	0.67311	0.48750	0.0	0.0	0.0	0.0
3.3400E 6	1.0966	0.68300	0.0	0.68311	0.48730	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.3500E 6	1.0936	2.51000	1.82089	1.62286	0.00011	0.0	0.0	0.0	0.00011
3.3600E 6	1.0906	2.42000	1.72389	1.58047	0.00011	0.0	0.0	0.0	0.00011
3.3700E 6	1.0877	2.33000	1.62789	1.53754	0.00011	0.0	0.0	0.0	0.00011
3.3800E 6	1.0847	2.24000	1.52989	1.49556	0.00011	0.0	0.0	0.0	0.00011
3.3900E 6	1.0818	2.15000	1.43289	1.45304	0.00011	0.0	0.0	0.0	0.00011
3.4000E 6	1.0788	2.05000	1.32689	1.40487	0.00011	0.0	0.0	0.0	0.00011
3.4100E 6	1.0759	2.14000	1.40989	1.45479	0.00011	0.0	0.0	0.0	0.00011
3.4200E 6	1.0729	2.23000	1.49289	1.50475	0.00011	0.0	0.0	0.0	0.00011
3.4300E 6	1.0700	2.32000	1.57589	1.55475	0.00011	0.0	0.0	0.0	0.00011
3.4400E 6	1.0671	2.41000	1.65889	1.60477	0.00011	0.0	0.0	0.0	0.00011
3.4500E 6	1.0642	2.50000	1.74189	1.65483	0.00011	0.0	0.0	0.0	0.00011
3.4600E 6	1.0613	2.59000	1.82489	1.70493	0.00011	0.0	0.0	0.0	0.00011
3.4700E 6	1.0584	2.69000	1.91889	1.75972	0.00011	0.0	0.0	0.0	0.00011
3.4800E 6	1.0556	2.63000	1.85089	1.73306	0.00011	0.0	0.0	0.0	0.00011
3.4900E 6	1.0527	2.57000	1.78389	1.70588	0.00011	0.0	0.0	0.0	0.00011
3.5000E 6	1.0498	2.52000	1.73289	1.68093	0.00011	0.0	0.0	0.0	0.00011
3.5100E 6	1.0470	2.46000	1.67189	1.65064	0.00011	0.0	0.0	0.0	0.00011
3.5200E 6	1.0441	2.40000	1.60989	1.62097	0.00011	0.0	0.0	0.0	0.00011
3.5300E 6	1.0413	2.34000	1.54889	1.59080	0.00011	0.0	0.0	0.0	0.00011
3.5400E 6	1.0385	2.29000	1.49889	1.56529	0.00011	0.0	0.0	0.0	0.00011

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.3500E 6	1.0936	0.68900	0.0	0.68911	0.48720	0.0	0.0	0.0	0.0
3.3600E 6	1.0906	0.69600	0.0	0.69611	0.48700	0.0	0.0	0.0	0.0
3.3700E 6	1.0877	0.70200	0.0	0.70211	0.48680	0.0	0.0	0.0	0.0
3.3800E 6	1.0847	0.71000	0.0	0.71011	0.48660	0.0	0.0	0.0	0.0
3.3900E 6	1.0818	0.71700	0.0	0.71711	0.48640	0.0	0.0	0.0	0.0
3.4000E 6	1.0788	0.72300	0.0	0.72311	0.48620	0.0	0.0	0.0	0.0
3.4100E 6	1.0759	0.73000	0.0	0.73011	0.48600	0.0	0.0	0.0	0.0
3.4200E 6	1.0729	0.73700	0.0	0.73711	0.48580	0.0	0.0	0.0	0.0
3.4300E 6	1.0700	0.74400	0.0	0.74411	0.48560	0.0	0.0	0.0	0.0
3.4400E 6	1.0671	0.75100	0.0	0.75111	0.48540	0.0	0.0	0.0	0.0
3.4500E 6	1.0642	0.75800	0.0	0.75811	0.48520	0.0	0.0	0.0	0.0
3.4600E 6	1.0613	0.76500	0.0	0.76511	0.48500	0.0	0.0	0.0	0.0
3.4700E 6	1.0584	0.77100	0.0	0.77111	0.48480	0.0	0.0	0.0	0.0
3.4800E 6	1.0556	0.77900	0.0	0.77911	0.48460	0.0	0.0	0.0	0.0
3.4900E 6	1.0527	0.78600	0.0	0.78611	0.48440	0.0	0.0	0.0	0.0
3.5000E 6	1.0498	0.78700	0.0	0.78711	0.48420	0.0	0.0	0.0	0.0
3.5100E 6	1.0470	0.78800	0.0	0.78811	0.48410	0.0	0.0	0.0	0.0
3.5200E 6	1.0441	0.79000	0.0	0.79011	0.48390	0.0	0.0	0.0	0.0
3.5300E 6	1.0413	0.79100	0.0	0.79111	0.48370	0.0	0.0	0.0	0.0
3.5400E 6	1.0385	0.79100	0.0	0.79111	0.48350	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.5500E 6	1.0356	2.36000	1.56789	1.60208	0.00011	0.0	0.0	0.0	0.00011
3.5600E 6	1.0328	2.43000	1.63789	1.63857	0.00011	0.0	0.0	0.0	0.00011
3.5700E 6	1.0300	2.51000	1.71689	1.68074	0.00011	0.0	0.0	0.0	0.00011
3.5800E 6	1.0272	2.59000	1.79589	1.72294	0.00011	0.0	0.0	0.0	0.00011
3.5900E 6	1.0244	2.66000	1.86589	1.75952	0.00011	0.0	0.0	0.0	0.00011
3.6000E 6	1.0217	2.73000	1.93489	1.79661	0.00011	0.0	0.0	0.0	0.00011
3.6100E 6	1.0189	2.81000	2.01389	1.83890	0.00011	0.0	0.0	0.0	0.00011
3.6200E 6	1.0161	2.88000	2.08489	1.87508	0.00011	0.0	0.0	0.0	0.00011
3.6300E 6	1.0134	2.82000	2.02289	1.84537	0.00011	0.0	0.0	0.0	0.00011
3.6400E 6	1.0106	2.76000	1.96289	1.81467	0.00011	0.0	0.0	0.0	0.00011
3.6500E 6	1.0079	2.71000	1.91189	1.78962	0.00011	0.0	0.0	0.0	0.00011
3.6600E 6	1.0051	2.65000	1.85089	1.75935	0.00011	0.0	0.0	0.0	0.00011
3.6700E 6	1.0024	2.60000	1.80089	1.73359	0.00011	0.0	0.0	0.0	0.00011
3.6800E 6	0.9997	2.54000	1.74589	1.70040	0.00011	0.0	0.0	0.0	0.00011
3.6900E 6	0.9970	2.49000	1.69989	1.67286	0.00011	0.0	0.0	0.0	0.00011
3.7000E 6	0.9943	2.43000	1.64289	1.64059	0.00011	0.0	0.0	0.0	0.00011
3.7100E 6	0.9916	2.39000	1.60589	1.61869	0.00011	0.0	0.0	0.0	0.00011
3.7200E 6	0.9889	2.34000	1.56089	1.59062	0.00011	0.0	0.0	0.0	0.00011
3.7300E 6	0.9862	2.29000	1.51389	1.56348	0.00011	0.0	0.0	0.0	0.00011
3.7400E 6	0.9835	2.24000	1.46789	1.53571	0.00011	0.0	0.0	0.0	0.00011

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.5500E 6	1.0356	0.79200	0.0	0.79211	0.48340	0.0	0.0	0.0	0.0
3.5600E 6	1.0328	0.79200	0.0	0.79211	0.48320	0.0	0.0	0.0	0.0
3.5700E 6	1.0300	0.79300	0.0	0.79311	0.48300	0.0	0.0	0.0	0.0
3.5800E 6	1.0272	0.79400	0.0	0.79411	0.48280	0.0	0.0	0.0	0.0
3.5900E 6	1.0244	0.79400	0.0	0.79411	0.48260	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	0.79500	0.0	0.79511	0.48240	0.0	0.0	0.0	0.0
3.6100E 6	1.0189	0.79600	0.0	0.79611	0.48220	0.0	0.0	0.0	0.0
3.6200E 6	1.0161	0.79500	0.0	0.79511	0.48200	0.0	0.0	0.0	0.0
3.6300E 6	1.0134	0.79700	0.0	0.79711	0.48180	0.0	0.0	0.0	0.0
3.6400E 6	1.0106	0.79700	0.0	0.79711	0.48160	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	0.79800	0.0	0.79811	0.48140	0.0	0.0	0.0	0.0
3.6600E 6	1.0051	0.79900	0.0	0.79911	0.48120	0.0	0.0	0.0	0.0
3.6700E 6	1.0024	0.79900	0.0	0.79911	0.48110	0.0	0.0	0.0	0.0
3.6800E 6	0.9997	0.79400	0.0	0.79411	0.48090	0.0	0.0	0.0	0.0
3.6900E 6	0.9970	0.79000	0.0	0.79011	0.48070	0.0	0.0	0.0	0.0
3.7000E 6	0.9943	0.78700	0.0	0.78711	0.48050	0.0	0.0	0.0	0.0
3.7100E 6	0.9916	0.78400	0.0	0.78411	0.48030	0.0	0.0	0.0	0.0
3.7200E 6	0.9889	0.77900	0.0	0.77911	0.48010	0.0	0.0	0.0	0.0
3.7300E 6	0.9862	0.77600	0.0	0.77611	0.47990	0.0	0.0	0.0	0.0
3.7400E 6	0.9835	0.77200	0.0	0.77211	0.47980	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.7500E 6	0.9808	2.19000	1.42289	1.50758	0.00011	0.0	0.0	0.0	0.00011
3.7600E 6	0.9782	2.14000	1.37289	1.48184	0.00011	0.0	0.0	0.0	0.00011
3.7700E 6	0.9755	2.04000	1.27289	1.42990	0.00011	0.0	0.0	0.0	0.00011
3.7800E 6	0.9729	2.04000	1.27289	1.43003	0.00011	0.0	0.0	0.0	0.00011
3.7900E 6	0.9702	1.99000	1.22189	1.40471	0.00011	0.0	0.0	0.0	0.00011
3.8000E 6	0.9676	1.94000	1.17289	1.37842	0.00011	0.0	0.0	0.0	0.00011
3.8100E 6	0.9650	1.90000	1.13289	1.35780	0.00011	0.0	0.0	0.0	0.00011
3.8200E 6	0.9623	1.87000	1.10089	1.34333	0.00011	0.0	0.0	0.0	0.00011
3.8300E 6	0.9597	1.85000	1.08089	1.33312	0.00011	0.0	0.0	0.0	0.00011
3.8400E 6	0.9571	1.83000	1.06089	1.32289	0.00011	0.0	0.0	0.0	0.00011
3.8500E 6	0.9545	1.83000	1.05689	1.32502	0.00011	0.0	0.0	0.0	0.00011
3.8600E 6	0.9519	1.83000	1.05589	1.32571	0.00011	0.0	0.0	0.0	0.00011
3.8700E 6	0.9493	1.84000	1.06289	1.33258	0.00011	0.0	0.0	0.0	0.00011
3.8800E 6	0.9467	1.87000	1.09089	1.34932	0.00011	0.0	0.0	0.0	0.00011
3.8900E 6	0.9442	1.93000	1.14889	1.38186	0.00011	0.0	0.0	0.0	0.00011
3.9000E 6	0.9416	1.99000	1.20789	1.41396	0.00011	0.0	0.0	0.0	0.00011
3.9100E 6	0.9390	2.09000	1.30789	1.46653	0.00011	0.0	0.0	0.0	0.00011
3.9200E 6	0.9365	2.19000	1.40589	1.52009	0.00011	0.0	0.0	0.0	0.00011
3.9300E 6	0.9339	2.28000	1.49589	1.56736	0.00011	0.0	0.0	0.0	0.00011
3.9400E 6	0.9314	2.38000	1.59289	1.62147	0.00011	0.0	0.0	0.0	0.00011

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.7500E 6	0.9808	0.76700	0.0	0.76711	0.47960	0.0	0.0	0.0	0.0
3.7600E 6	0.9782	0.76700	0.0	0.76711	0.47940	0.0	0.0	0.0	0.0
3.7700E 6	0.9755	0.76700	0.0	0.76711	0.47930	0.0	0.0	0.0	0.0
3.7800E 6	0.9729	0.76700	0.0	0.76711	0.47920	0.0	0.0	0.0	0.0
3.7900E 6	0.9702	0.76800	0.0	0.76811	0.47900	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	0.76700	0.0	0.76711	0.47880	0.0	0.0	0.0	0.0
3.8100E 6	0.9650	0.76700	0.0	0.76711	0.47860	0.0	0.0	0.0	0.0
3.8200E 6	0.9623	0.76900	0.0	0.76911	0.47840	0.0	0.0	0.0	0.0
3.8300E 6	0.9597	0.76900	0.0	0.76911	0.47820	0.0	0.0	0.0	0.0
3.8400E 6	0.9571	0.76900	0.0	0.76911	0.47800	0.0	0.0	0.0	0.0
3.8500E 6	0.9545	0.77300	0.0	0.77311	0.47780	0.0	0.0	0.0	0.0
3.8600E 6	0.9519	0.77400	0.0	0.77411	0.47760	0.0	0.0	0.0	0.0
3.8700E 6	0.9493	0.77700	0.0	0.77711	0.47740	0.0	0.0	0.0	0.0
3.8800E 6	0.9467	0.77900	0.0	0.77911	0.47730	0.0	0.0	0.0	0.0
3.8900E 6	0.9442	0.78100	0.0	0.78111	0.47710	0.0	0.0	0.0	0.0
3.9000E 6	0.9416	0.78200	0.0	0.78211	0.47690	0.0	0.0	0.0	0.0
3.9100E 6	0.9390	0.78200	0.0	0.78211	0.47670	0.0	0.0	0.0	0.0
3.9200E 6	0.9365	0.78400	0.0	0.78411	0.47650	0.0	0.0	0.0	0.0
3.9300E 6	0.9339	0.78400	0.0	0.78411	0.47640	0.0	0.0	0.0	0.0
3.9400E 6	0.9314	0.78700	0.0	0.78711	0.47620	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.9500E 6	0.9289	2.47000	1.68189	1.66942	0.00011	0.0	0.0	0.0	0.00011
3.9600E 6	0.9263	2.57000	1.78089	1.72247	0.00011	0.0	0.0	0.0	0.00011
3.9700E 6	0.9238	2.55000	1.76089	1.71234	0.00011	0.0	0.0	0.0	0.00011
3.9800E 6	0.9213	2.48000	1.69089	1.67598	0.00011	0.0	0.0	0.0	0.00011
3.9900E 6	0.9188	2.41000	1.61989	1.64007	0.00011	0.0	0.0	0.0	0.00011
4.0000E 6	0.9163	2.32000	1.52989	1.59330	0.00011	0.0	0.00010	0.0	0.00021
4.0200E 6	0.9113	2.13000	1.33779	1.50044	0.00011	0.0	0.00010	0.0	0.00021
4.0400E 6	0.9063	2.18000	1.38679	1.53334	0.00011	0.0	0.00010	0.0	0.00021
4.0600E 6	0.9014	2.20000	1.40479	1.55099	0.00011	0.0	0.00010	0.0	0.00021
4.0800E 6	0.8965	2.21000	1.41379	1.56305	0.00011	0.0	0.00010	0.0	0.00021
4.1000E 6	0.8916	2.16000	1.36179	1.54284	0.00011	0.0	0.00010	0.0	0.00021
4.1300E 6	0.8843	2.06000	1.25879	1.47970	0.00011	0.0	0.00010	0.0	0.00021
4.1600E 6	0.8771	2.07000	1.26469	1.47711	0.00011	0.0	0.00020	0.0	0.00031
4.1800E 6	0.8723	2.09000	1.28269	1.48200	0.00011	0.0	0.00020	0.0	0.00031
4.2000E 6	0.8675	2.13000	1.32069	1.49726	0.00011	0.0	0.00020	0.0	0.00031
4.2300E 6	0.8604	2.18000	1.36769	1.52474	0.00011	0.0	0.00020	0.0	0.00031
4.2600E 6	0.8533	2.25000	1.43459	1.56254	0.00011	0.0	0.00030	0.0	0.00041
4.2900E 6	0.8463	2.31000	1.49159	1.59523	0.00011	0.0	0.00030	0.0	0.00041
4.3200E 6	0.8393	2.37000	1.54859	1.62792	0.00011	0.0	0.00030	0.0	0.00041
4.3400E 6	0.8347	2.32000	1.49659	1.60283	0.00011	0.0	0.00030	0.0	0.00041

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.9500E 6	0.9289	0.78800	0.0	0.78811	0.47600	0.0	0.0	0.0	0.0
3.9600E 6	0.9263	0.78900	0.0	0.78911	0.47590	0.0	0.0	0.0	0.0
3.9700E 6	0.9238	0.78900	0.0	0.78911	0.47570	0.0	0.0	0.0	0.0
3.9800E 6	0.9213	0.78900	0.0	0.78911	0.47550	0.0	0.0	0.0	0.0
3.9900E 6	0.9188	0.79000	0.0	0.79011	0.47530	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	0.79000	0.0	0.79021	0.47500	0.0	0.0	0.0	0.0
4.0200E 6	0.9113	0.79200	0.0	0.79221	0.47060	0.0	0.0	0.0	0.0
4.0400E 6	0.9063	0.79300	0.0	0.79321	0.46630	0.0	0.0	0.0	0.0
4.0600E 6	0.9014	0.79500	0.0	0.79521	0.46200	0.0	0.0	0.0	0.0
4.0800E 6	0.8965	0.79600	0.0	0.79621	0.45760	0.0	0.0	0.0	0.0
4.1000E 6	0.8916	0.79800	0.0	0.79821	0.45320	0.0	0.0	0.0	0.0
4.1300E 6	0.8843	0.80100	0.0	0.80121	0.46100	0.0	0.0	0.0	0.0
4.1600E 6	0.8771	0.80500	0.0	0.80531	0.46880	0.0	0.0	0.0	0.0
4.1800E 6	0.8723	0.80700	0.0	0.80731	0.47400	0.0	0.0	0.0	0.0
4.2000E 6	0.8675	0.80900	0.0	0.80931	0.47910	0.0	0.0	0.0	0.0
4.2300E 6	0.8604	0.81200	0.0	0.81231	0.47910	0.0	0.0	0.0	0.0
4.2600E 6	0.8533	0.81500	0.0	0.81541	0.47920	0.0	0.0	0.0	0.0
4.2900E 6	0.8463	0.81800	0.0	0.81841	0.47920	0.0	0.0	0.0	0.0
4.3200E 6	0.8393	0.82100	0.0	0.82141	0.47920	0.0	0.0	0.0	0.0
4.3400E 6	0.8347	0.82300	0.0	0.82341	0.47920	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.3600E 6	0.8301	2.27000	1.44549	1.57718	0.00011	0.0	0.00040	0.0	0.00051
4.3800E 6	0.8255	2.22000	1.39349	1.55210	0.00011	0.0	0.00040	0.0	0.00051
4.4000E 6	0.8210	2.18000	1.35149	1.53210	0.00011	0.0	0.00040	0.0	0.00051
4.4200E 6	0.8164	2.14000	1.30949	1.51223	0.00011	0.0	0.00040	0.0	0.00051
4.4400E 6	0.8119	2.08000	1.24839	1.48152	0.00011	0.0	0.00050	0.0	0.00061
4.4600E 6	0.8074	2.02000	1.18639	1.45113	0.00011	0.0	0.00050	0.0	0.00061
4.4800E 6	0.8030	1.98000	1.14529	1.43083	0.00011	0.0	0.00060	0.0	0.00071
4.5000E 6	0.7985	1.88000	1.04329	1.37974	0.00011	0.0	0.00060	0.0	0.00071
4.5200E 6	0.7941	1.85000	1.01129	1.36043	0.00011	0.0	0.00060	0.0	0.00071
4.5400E 6	0.7897	1.89000	1.05019	1.37677	0.00011	0.0	0.00070	0.0	0.00081
4.5600E 6	0.7853	1.95000	1.10819	1.40333	0.00011	0.0	0.00070	0.0	0.00081
4.5800E 6	0.7809	1.98000	1.13709	1.41384	0.00011	0.0	0.00080	0.0	0.00091
4.6000E 6	0.7765	2.06000	1.21509	1.44942	0.00011	0.0	0.00080	0.0	0.00091
4.6200E 6	0.7722	2.11000	1.26409	1.46898	0.00011	0.0	0.00080	0.0	0.00091
4.6400E 6	0.7679	2.16000	1.31199	1.48865	0.00011	0.0	0.00090	0.0	0.00101
4.6600E 6	0.7636	2.19000	1.34099	1.49778	0.00011	0.0	0.00090	0.0	0.00101
4.6800E 6	0.7593	2.11000	1.25889	1.45437	0.00011	0.0	0.00100	0.0	0.00111
4.7000E 6	0.7550	2.03000	1.17789	1.41114	0.00011	0.0	0.00100	0.0	0.00111
4.7200E 6	0.7508	2.00000	1.14689	1.39215	0.00011	0.0	0.00100	0.0	0.00111
4.7400E 6	0.7465	2.03000	1.17579	1.40142	0.00011	0.0	0.00110	0.0	0.00121

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.3600E 6	0.8301	0.82400	0.0	0.82451	0.47930	0.0	0.0	0.0	0.0
4.3800E 6	0.8255	0.82600	0.0	0.82651	0.47930	0.0	0.0	0.0	0.0
4.4000E 6	0.8210	0.82800	0.0	0.82851	0.47940	0.0	0.0	0.0	0.0
4.4200E 6	0.8164	0.83000	0.0	0.83051	0.47940	0.0	0.0	0.0	0.0
4.4400E 6	0.8119	0.83100	0.0	0.83161	0.47940	0.0	0.0	0.0	0.0
4.4600E 6	0.8074	0.83300	0.0	0.83361	0.47950	0.0	0.0	0.0	0.0
4.4800E 6	0.8030	0.83400	0.0	0.83471	0.47950	0.0	0.0	0.0	0.0
4.5000E 6	0.7985	0.83600	0.0	0.83671	0.47950	0.0	0.0	0.0	0.0
4.5200E 6	0.7941	0.83800	0.0	0.83871	0.48410	0.0	0.0	0.0	0.0
4.5400E 6	0.7897	0.83900	0.0	0.83981	0.48870	0.0	0.0	0.0	0.0
4.5600E 6	0.7853	0.84100	0.0	0.84181	0.49330	0.0	0.0	0.0	0.0
4.5800E 6	0.7809	0.84200	0.0	0.84291	0.49790	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	0.84400	0.0	0.84491	0.50250	0.0	0.0	0.0	0.0
4.6200E 6	0.7722	0.84500	0.0	0.84591	0.50710	0.0	0.0	0.0	0.0
4.6400E 6	0.7679	0.84700	0.0	0.84801	0.51170	0.0	0.0	0.0	0.0
4.6600E 6	0.7636	0.84800	0.0	0.84901	0.51620	0.0	0.0	0.0	0.0
4.6800E 6	0.7593	0.85000	0.0	0.85111	0.52080	0.0	0.0	0.0	0.0
4.7000E 6	0.7550	0.85100	0.0	0.85211	0.52540	0.0	0.0	0.0	0.0
4.7200E 6	0.7508	0.85200	0.0	0.85311	0.53000	0.0	0.0	0.0	0.0
4.7400E 6	0.7465	0.85300	0.0	0.85421	0.53460	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.7600E 6	0.7423	2.13000	1.27379	1.44317	0.00011	0.0	0.00110	0.0	0.00121
4.7800E 6	0.7381	2.18000	1.32269	1.47395	0.00011	0.0	0.00120	0.0	0.00131
4.8000E 6	0.7340	2.13000	1.27169	1.43261	0.00011	0.0	0.00120	0.0	0.00131
4.8200E 6	0.7298	2.08000	1.22048	1.40092	0.00012	0.0	0.00140	0.0	0.00152
4.8400E 6	0.7257	2.07000	1.20818	1.38810	0.00012	0.0	0.00170	0.0	0.00182
4.8600E 6	0.7215	2.06000	1.19698	1.37485	0.00012	0.0	0.00190	0.0	0.00202
4.8900E 6	0.7154	2.07000	1.20458	1.36604	0.00012	0.0	0.00230	0.0	0.00242
4.9100E 6	0.7113	2.04000	1.17288	1.34519	0.00012	0.0	0.00200	0.0	0.00212
4.9300E 6	0.7072	1.99000	1.12218	1.31624	0.00012	0.0	0.00170	0.0	0.00182
4.9500E 6	0.7032	1.94000	1.07098	1.28842	0.00012	0.0	0.00190	0.0	0.00202
4.9700E 6	0.6992	1.88000	1.00978	1.25757	0.00012	0.0	0.00210	0.0	0.00222
5.0000E 6	0.6931	1.83000	0.95738	1.22838	0.00012	0.0	0.00250	0.0	0.00262
5.0300E 6	0.6872	1.86000	0.98508	1.24137	0.00012	0.0	0.00280	0.0	0.00292
5.0700E 6	0.6792	1.89000	1.01258	1.25471	0.00012	0.0	0.00330	0.0	0.00342
5.1000E 6	0.6733	2.03000	1.15028	1.30877	0.00012	0.0	0.00360	0.0	0.00372
5.1400E 6	0.6655	2.06000	1.17888	1.32155	0.00012	0.0	0.00300	0.0	0.00312
5.1700E 6	0.6597	2.12000	1.23838	1.34490	0.00012	0.0	0.00250	0.0	0.00262
5.2000E 6	0.6539	2.21000	1.32638	1.38035	0.00012	0.0	0.00250	0.0	0.00262
5.2400E 6	0.6463	2.16000	1.27548	1.36295	0.00012	0.0	0.00240	0.0	0.00252
5.2800E 6	0.6387	2.10000	1.21118	1.34374	0.00012	0.0	0.00470	0.0	0.00482

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.7600E 6	0.7423	0.85500	0.0	0.85621	0.53920	0.0	0.0	0.0	0.0
4.7800E 6	0.7381	0.85600	0.0	0.85731	0.53380	0.0	0.0	0.0	0.0
4.8000E 6	0.7340	0.85700	0.0	0.85831	0.54840	0.0	0.0	0.0	0.0
4.8200E 6	0.7298	0.85800	0.0	0.85952	0.55640	0.0	0.0	0.0	0.0
4.8400E 6	0.7257	0.86000	0.0	0.86182	0.56440	0.0	0.0	0.0	0.0
4.8600E 6	0.7215	0.86100	0.0	0.86302	0.57240	0.0	0.0	0.0	0.0
4.8900E 6	0.7154	0.86300	0.0	0.86542	0.58440	0.0	0.0	0.0	0.0
4.9100E 6	0.7113	0.86500	0.0	0.86712	0.59240	0.0	0.0	0.0	0.0
4.9300E 6	0.7072	0.86600	0.0	0.86782	0.60040	0.0	0.0	0.0	0.0
4.9500E 6	0.7032	0.86700	0.0	0.86902	0.60840	0.0	0.0	0.0	0.0
4.9700E 6	0.6992	0.86800	0.0	0.87022	0.61640	0.0	0.0	0.0	0.0
5.0000E 6	0.6931	0.87000	0.0	0.87262	0.62840	0.0	0.0	0.0	0.0
5.0300E 6	0.6872	0.87200	0.0	0.87492	0.62800	0.0	0.0	0.0	0.0
5.0700E 6	0.6792	0.87400	0.0	0.87742	0.62740	0.0	0.0	0.0	0.0
5.1000E 6	0.6733	0.87600	0.0	0.87972	0.62700	0.0	0.0	0.0	0.0
5.1400E 6	0.6655	0.87800	0.0	0.88112	0.62640	0.0	0.0	0.0	0.0
5.1700E 6	0.6597	0.87900	0.0	0.88162	0.62590	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	0.88100	0.0	0.88362	0.62550	0.0	0.0	0.0	0.0
5.2400E 6	0.6463	0.88200	0.0	0.88452	0.62490	0.0	0.0	0.0	0.0
5.2800E 6	0.6387	0.88400	0.0	0.88882	0.62440	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.3200E 6	0.6311	2.04000	1.14698	1.32451	0.00012	0.0	0.00690	0.0	0.00702
5.3600E 6	0.6236	1.95000	1.05268	1.29397	0.00012	0.0	0.00920	0.0	0.00932
5.4000E 6	0.6162	1.81000	0.91218	1.24208	0.00012	0.0	0.00770	0.0	0.00782
5.4300E 6	0.6106	1.71000	0.81128	1.20522	0.00012	0.0	0.00660	0.0	0.00672
5.4400E 6	0.6088	1.83000	0.93168	1.25050	0.00012	0.0	0.00620	0.0	0.00632
5.4500E 6	0.6070	1.94000	1.04038	1.29299	0.00012	0.0	0.00750	0.0	0.00762
5.4700E 6	0.6033	1.89000	0.98688	1.27665	0.00012	0.0	0.01000	0.0	0.01012
5.4800E 6	0.6015	1.84000	0.93768	1.25733	0.00012	0.0	0.00920	0.0	0.00932
5.5000E 6	0.5978	1.77000	0.86838	1.23056	0.00012	0.0	0.00750	0.0	0.00762
5.5100E 6	0.5960	1.78000	0.87818	1.23456	0.00012	0.0	0.00670	0.0	0.00682
5.5300E 6	0.5924	1.79000	0.88648	1.23967	0.00012	0.0	0.00840	0.0	0.00852
5.5500E 6	0.5888	1.87000	0.96378	1.27197	0.00012	0.0	0.01010	0.0	0.01022
5.5600E 6	0.5870	1.95000	1.04288	1.30300	0.00012	0.0	0.01100	0.0	0.01112
5.5800E 6	0.5834	2.02000	1.11328	1.32966	0.00012	0.0	0.00960	0.0	0.00972
5.6000E 6	0.5798	1.96000	1.05378	1.30687	0.00012	0.0	0.00810	0.0	0.00822
5.6100E 6	0.5780	1.90000	0.99308	1.28469	0.00012	0.0	0.00880	0.0	0.00892
5.6300E 6	0.5745	1.79000	0.88078	1.24453	0.00012	0.0	0.01010	0.0	0.01022
5.6600E 6	0.5692	1.75000	0.83788	1.23144	0.00012	0.0	0.01200	0.0	0.01212
5.6900E 6	0.5639	1.73000	0.81488	1.22608	0.00012	0.0	0.01400	0.0	0.01412
5.7000E 6	0.5621	1.72000	0.80417	1.22278	0.00013	0.0	0.01470	0.0	0.01483

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.3200E 6	0.6311	0.88600	0.0	0.89302	0.62380	0.0	0.0	0.0	0.0
5.3600E 6	0.6236	0.88800	0.0	0.89732	0.62320	0.0	0.0	0.0	0.0
5.4000E 6	0.6162	0.89000	0.0	0.89782	0.62260	0.0	0.0	0.0	0.0
5.4300E 6	0.6106	0.89200	0.0	0.89872	0.62220	0.0	0.0	0.0	0.0
5.4400E 6	0.6088	0.89200	0.0	0.89832	0.62200	0.0	0.0	0.0	0.0
5.4500E 6	0.6070	0.89200	0.0	0.89962	0.62190	0.0	0.0	0.0	0.0
5.4700E 6	0.6033	0.89300	0.0	0.90312	0.62150	0.0	0.0	0.0	0.0
5.4800E 6	0.6015	0.89300	0.0	0.90232	0.62140	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	0.89400	0.0	0.90162	0.62120	0.0	0.0	0.0	0.0
5.5100E 6	0.5960	0.89500	0.0	0.90182	0.62110	0.0	0.0	0.0	0.0
5.5300E 6	0.5924	0.89500	0.0	0.90352	0.62080	0.0	0.0	0.0	0.0
5.5500E 6	0.5888	0.89600	0.0	0.90622	0.62050	0.0	0.0	0.0	0.0
5.5600E 6	0.5870	0.89600	0.0	0.90712	0.62040	0.0	0.0	0.0	0.0
5.5800E 6	0.5834	0.89700	0.0	0.90672	0.62010	0.0	0.0	0.0	0.0
5.6000E 6	0.5798	0.89800	0.0	0.90622	0.61980	0.0	0.0	0.0	0.0
5.6100E 6	0.5780	0.89800	0.0	0.90692	0.61960	0.0	0.0	0.0	0.0
5.6300E 6	0.5745	0.89900	0.0	0.90922	0.61930	0.0	0.0	0.0	0.0
5.6600E 6	0.5692	0.90000	0.0	0.91212	0.61890	0.0	0.0	0.0	0.0
5.6900E 6	0.5639	0.90100	0.0	0.91512	0.61840	0.0	0.0	0.0	0.0
5.7000E 6	0.5621	0.90100	0.0	0.91583	0.61830	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.7100E 6	0.5604	1.71000	0.79407	1.21911	0.00013	0.0	0.01480	0.0	0.01493
5.7400E 6	0.5551	1.79000	0.87257	1.25101	0.00013	0.0	0.01520	0.00010	0.01543
5.7600E 6	0.5516	1.78000	0.86127	1.24825	0.00013	0.0	0.01540	0.00020	0.01573
5.7700E 6	0.5499	1.78000	0.86127	1.24834	0.00013	0.0	0.01530	0.00030	0.01573
5.7900E 6	0.5465	1.79000	0.87027	1.25304	0.00013	0.0	0.01520	0.00040	0.01573
5.8200E 6	0.5413	1.71000	0.78927	1.22334	0.00013	0.0	0.01510	0.00050	0.01573
5.8500E 6	0.5361	1.76000	0.83457	1.24582	0.00013	0.0	0.01870	0.00060	0.01943
5.8700E 6	0.5327	1.74000	0.81107	1.24054	0.00013	0.0	0.02110	0.00070	0.02193
5.9000E 6	0.5276	1.73000	0.79637	1.23991	0.00013	0.0	0.02470	0.00080	0.02563
5.9300E 6	0.5226	1.71000	0.77907	1.23087	0.00013	0.0	0.02080	0.00100	0.02193
5.9500E 6	0.5192	1.69000	0.76057	1.22248	0.00013	0.0	0.01820	0.00110	0.01943
5.9800E 6	0.5142	1.63000	0.70317	1.19804	0.00013	0.0	0.01550	0.00120	0.01683
6.0000E 6	0.5108	1.65000	0.72597	1.20425	0.00013	0.0	0.01160	0.00130	0.01303
6.0100E 6	0.5092	1.66000	0.73537	1.20856	0.00013	0.0	0.01210	0.00140	0.01363
6.0300E 6	0.5058	1.69000	0.76417	1.22111	0.00013	0.0	0.01320	0.00150	0.01483
6.0600E 6	0.5009	1.69000	0.76147	1.22307	0.00013	0.0	0.01480	0.00160	0.01653
6.0900E 6	0.4959	1.79000	0.85867	1.26389	0.00013	0.0	0.01640	0.00180	0.01833
6.1100E 6	0.4927	1.79000	0.85647	1.26541	0.00013	0.0	0.01750	0.00190	0.01953
6.1300E 6	0.4894	1.89000	0.95527	1.30518	0.00013	0.0	0.01860	0.00200	0.02073
6.1400E 6	0.4878	1.99000	1.05607	1.34369	0.00013	0.0	0.01770	0.00210	0.01993

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.7100E 6	0.5604	0.90100	0.0	0.91593	0.61820	0.0	0.0	0.0	0.0
5.7400E 6	0.5551	0.90200	0.0	0.91743	0.61770	0.0	0.0	0.0	0.0
5.7600E 6	0.5516	0.90300	0.0	0.91873	0.61740	0.0	0.0	0.0	0.0
5.7700E 6	0.5499	0.90300	0.0	0.91873	0.61730	0.0	0.0	0.0	0.0
5.7900E 6	0.5465	0.90400	0.0	0.91973	0.61700	0.0	0.0	0.0	0.0
5.8200E 6	0.5413	0.90500	0.0	0.92073	0.61660	0.0	0.0	0.0	0.0
5.8500E 6	0.5361	0.90600	0.0	0.92543	0.61610	0.0	0.0	0.0	0.0
5.8700E 6	0.5327	0.90700	0.0	0.92893	0.61580	0.0	0.0	0.0	0.0
5.9000E 6	0.5276	0.90800	0.0	0.93363	0.61540	0.0	0.0	0.0	0.0
5.9300E 6	0.5226	0.90900	0.0	0.93093	0.61500	0.0	0.0	0.0	0.0
5.9500E 6	0.5192	0.91000	0.0	0.92943	0.61470	0.0	0.0	0.0	0.0
5.9800E 6	0.5142	0.91000	0.0	0.92683	0.61430	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	0.91100	0.0	0.92403	0.61400	0.0	0.0	0.0	0.0
6.0100E 6	0.5092	0.91100	0.0	0.92463	0.61390	0.0	0.0	0.0	0.0
6.0300E 6	0.5058	0.91100	0.0	0.92583	0.61360	0.0	0.0	0.0	0.0
6.0600E 6	0.5009	0.91200	0.0	0.92853	0.61320	0.0	0.0	0.0	0.0
6.0900E 6	0.4959	0.91300	0.0	0.93133	0.61270	0.0	0.0	0.0	0.0
6.1100E 6	0.4927	0.91400	0.0	0.93353	0.61250	0.0	0.0	0.0	0.0
6.1300E 6	0.4894	0.91400	0.0	0.93473	0.61220	0.0	0.0	0.0	0.0
6.1400E 6	0.4878	0.91400	0.0	0.93393	0.61200	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.1700E 6	0.4829	1.87000	0.93757	1.29658	0.00013	0.0	0.01510	0.00220	0.01743
6.1900E 6	0.4796	1.81000	0.87927	1.27250	0.00013	0.0	0.01330	0.00230	0.01573
6.2200E 6	0.4748	1.70000	0.75927	1.23616	0.00013	0.0	0.02220	0.00240	0.02473
6.2400E 6	0.4716	1.80000	0.85227	1.27960	0.00013	0.0	0.02810	0.00250	0.03073
6.2500E 6	0.4700	1.75000	0.79927	1.26205	0.00013	0.0	0.03110	0.00250	0.03373
6.2700E 6	0.4668	1.69000	0.74137	1.23762	0.00013	0.0	0.02890	0.00260	0.03163
6.3000E 6	0.4620	1.73000	0.78456	1.25158	0.00014	0.0	0.02550	0.00280	0.02844
6.3200E 6	0.4589	1.81000	0.86566	1.28238	0.00014	0.0	0.02330	0.00290	0.02634
6.3500E 6	0.4541	1.69000	0.74876	1.23393	0.00014	0.0	0.02000	0.00310	0.02324
6.3800E 6	0.4494	1.58000	0.62616	1.19886	0.00014	0.0	0.03140	0.00330	0.03484
6.4000E 6	0.4463	1.68000	0.71846	1.24289	0.00014	0.0	0.03900	0.00340	0.04254
6.4300E 6	0.4416	1.71000	0.75006	1.25396	0.00014	0.0	0.03620	0.00360	0.03994
6.4500E 6	0.4385	1.59000	0.63176	1.20608	0.00014	0.0	0.03440	0.00370	0.03824
6.4800E 6	0.4339	1.66000	0.70426	1.23230	0.00014	0.0	0.03170	0.00390	0.03574
6.5100E 6	0.4292	1.68000	0.72576	1.23954	0.00014	0.0	0.02900	0.00410	0.03324
6.5300E 6	0.4262	1.64000	0.68756	1.22293	0.00014	0.0	0.02710	0.00420	0.03144
6.5400E 6	0.4246	1.73000	0.77836	1.25800	0.00014	0.0	0.02620	0.00430	0.03064
6.5600E 6	0.4216	1.64000	0.68916	1.22223	0.00014	0.0	0.02430	0.00440	0.02884
6.5800E 6	0.4186	1.65000	0.70086	1.22535	0.00014	0.0	0.02250	0.00450	0.02714
6.5900E 6	0.4170	1.66000	0.71096	1.22937	0.00014	0.0	0.02230	0.00460	0.02704

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.1700E 6	0.4829	0.91500	0.0	0.93243	0.61160	0.0	0.0	0.0	0.0
6.1900E 6	0.4796	0.91500	0.0	0.93073	0.61130	0.0	0.0	0.0	0.0
6.2200E 6	0.4748	0.91600	0.0	0.94073	0.61090	0.0	0.0	0.0	0.0
6.2400E 6	0.4716	0.91700	0.0	0.94773	0.61060	0.0	0.0	0.0	0.0
6.2500E 6	0.4700	0.91700	0.0	0.95073	0.61050	0.0	0.0	0.0	0.0
6.2700E 6	0.4668	0.91700	0.0	0.94863	0.61020	0.0	0.0	0.0	0.0
6.3000E 6	0.4620	0.91700	0.0	0.94544	0.60980	0.0	0.0	0.0	0.0
6.3200E 6	0.4589	0.91800	0.0	0.94434	0.60950	0.0	0.0	0.0	0.0
6.3500E 6	0.4541	0.91800	0.0	0.94124	0.60910	0.0	0.0	0.0	0.0
6.3800E 6	0.4494	0.91900	0.0	0.95384	0.60870	0.0	0.0	0.0	0.0
6.4000E 6	0.4463	0.91900	0.0	0.96154	0.60840	0.0	0.0	0.0	0.0
6.4300E 6	0.4416	0.92000	0.0	0.95994	0.60800	0.0	0.0	0.0	0.0
6.4500E 6	0.4385	0.92000	0.0	0.95824	0.60770	0.0	0.0	0.0	0.0
6.4800E 6	0.4339	0.92000	0.0	0.95574	0.60730	0.0	0.0	0.0	0.0
6.5100E 6	0.4292	0.92100	0.0	0.95424	0.60690	0.0	0.0	0.0	0.0
6.5300E 6	0.4262	0.92100	0.0	0.95244	0.60660	0.0	0.0	0.0	0.0
6.5400E 6	0.4246	0.92100	0.0	0.95164	0.60640	0.0	0.0	0.0	0.0
6.5600E 6	0.4216	0.92200	0.0	0.95084	0.60620	0.0	0.0	0.0	0.0
6.5800E 6	0.4186	0.92200	0.0	0.94914	0.60590	0.0	0.0	0.0	0.0
6.5900E 6	0.4170	0.92200	0.0	0.94904	0.60570	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.6200E 6	0.4125	1.69000	0.74046	1.24180	0.00014	0.0	0.02160	0.00480	0.02654
6.6500E 6	0.4080	1.73000	0.78096	1.25760	0.00014	0.0	0.02100	0.00490	0.02604
6.6600E 6	0.4065	1.61000	0.66106	1.21019	0.00014	0.0	0.02080	0.00500	0.02594
6.6700E 6	0.4050	1.47000	0.52026	1.15545	0.00014	0.0	0.02050	0.00510	0.02574
6.6900E 6	0.4020	1.52000	0.57056	1.17521	0.00014	0.0	0.02010	0.00520	0.02544
6.7200E 6	0.3975	1.58000	0.62976	1.19969	0.00014	0.0	0.02070	0.00540	0.02624
6.7400E 6	0.3945	1.67000	0.71916	1.23592	0.00014	0.0	0.02120	0.00550	0.02684
6.7700E 6	0.3901	1.71000	0.75836	1.25256	0.00014	0.0	0.02180	0.00570	0.02764
6.8000E 6	0.3857	1.59000	0.63646	1.20634	0.00014	0.0	0.02250	0.00590	0.02854
6.8200E 6	0.3827	1.61000	0.65586	1.21484	0.00014	0.0	0.02290	0.00610	0.02914
6.8500E 6	0.3783	1.53000	0.57506	1.18376	0.00014	0.0	0.02350	0.00630	0.02994
6.8700E 6	0.3754	1.59000	0.63446	1.20818	0.00014	0.0	0.02400	0.00640	0.03054
6.9000E 6	0.3711	1.61000	0.65366	1.21689	0.00014	0.0	0.02460	0.00660	0.03134
6.9300E 6	0.3667	1.57000	0.60985	1.20348	0.00015	0.0	0.02820	0.00680	0.03515
6.9500E 6	0.3638	1.59000	0.62725	1.21321	0.00015	0.0	0.03060	0.00700	0.03775
6.9800E 6	0.3595	1.59000	0.62235	1.21640	0.00015	0.0	0.03430	0.00720	0.04165
7.0000E 6	0.3567	1.67000	0.69975	1.25015	0.00015	0.0	0.03670	0.00740	0.04425
7.0200E 6	0.3538	1.62000	0.64725	1.23146	0.00015	0.0	0.03910	0.00750	0.04675
7.0300E 6	0.3524	1.57000	0.59515	1.21261	0.00015	0.0	0.04070	0.00800	0.04885
7.0500E 6	0.3496	1.68000	0.70685	1.25532	0.00015	0.0	0.03830	0.00870	0.04715

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.6200E 6	0.4125	0.92300	0.0	0.94954	0.60530	0.0	0.0	0.0	0.0
6.6500E 6	0.4080	0.92300	0.0	0.94904	0.60490	0.0	0.0	0.0	0.0
6.6600E 6	0.4065	0.92300	0.0	0.94894	0.60480	0.0	0.0	0.0	0.0
6.6700E 6	0.4050	0.92400	0.0	0.94974	0.60460	0.0	0.0	0.0	0.0
6.6900E 6	0.4020	0.92400	0.0	0.94944	0.60430	0.0	0.0	0.0	0.0
6.7200E 6	0.3975	0.92400	0.0	0.95024	0.60390	0.0	0.0	0.0	0.0
6.7400E 6	0.3945	0.92400	0.0	0.95084	0.60360	0.0	0.0	0.0	0.0
6.7700E 6	0.3901	0.92400	0.0	0.95164	0.60320	0.0	0.0	0.0	0.0
6.8000E 6	0.3857	0.92500	0.0	0.95354	0.60280	0.0	0.0	0.0	0.0
6.8200E 6	0.3827	0.92500	0.0	0.95414	0.60250	0.0	0.0	0.0	0.0
6.8500E 6	0.3783	0.92500	0.0	0.95494	0.60210	0.0	0.0	0.0	0.0
6.8700E 6	0.3754	0.92500	0.0	0.95554	0.60180	0.0	0.0	0.0	0.0
6.9000E 6	0.3711	0.92500	0.0	0.95634	0.60140	0.0	0.0	0.0	0.0
6.9300E 6	0.3667	0.92500	0.0	0.96015	0.60100	0.0	0.0	0.0	0.0
6.9500E 6	0.3638	0.92500	0.0	0.96275	0.60070	0.0	0.0	0.0	0.0
6.9800E 6	0.3595	0.92600	0.0	0.96765	0.60030	0.0	0.0	0.0	0.0
7.0000E 6	0.3567	0.92600	0.0	0.97025	0.60000	0.0	0.0	0.0	0.0
7.0200E 6	0.3538	0.92600	0.0	0.97275	0.60030	0.0	0.0	0.0	0.0
7.0300E 6	0.3524	0.92600	0.0	0.97485	0.60050	0.0	0.0	0.0	0.0
7.0500E 6	0.3496	0.92600	0.0	0.97315	0.60080	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.0700E 6	0.3467	1.65000	0.67855	1.24212	0.00015	0.0	0.03590	0.00940	0.04545
7.1000E 6	0.3425	1.65000	0.68105	1.24035	0.00015	0.0	0.03230	0.01050	0.04295
7.1200E 6	0.3397	1.59000	0.62275	1.21523	0.00015	0.0	0.02990	0.01120	0.04125
7.1300E 6	0.3383	1.58000	0.61355	1.21070	0.00015	0.0	0.02870	0.01160	0.04045
7.1400E 6	0.3369	1.58000	0.61505	1.20968	0.00015	0.0	0.02750	0.01130	0.03895
7.1600E 6	0.3341	1.65000	0.68825	1.23547	0.00015	0.0	0.02500	0.01060	0.03575
7.1800E 6	0.3313	1.66000	0.70125	1.23743	0.00015	0.0	0.02260	0.01000	0.03275
7.1900E 6	0.3299	1.67000	0.70845	1.24295	0.00015	0.0	0.02520	0.01020	0.03555
7.2000E 6	0.3285	1.66000	0.69655	1.24005	0.00015	0.0	0.02780	0.00950	0.03745
7.2200E 6	0.3257	1.64000	0.67185	1.23474	0.00015	0.0	0.03250	0.00950	0.04215
7.2400E 6	0.3230	1.61000	0.63695	1.22560	0.00015	0.0	0.03730	0.00960	0.04705
7.2600E 6	0.3202	1.59000	0.61225	1.22032	0.00015	0.0	0.04200	0.00960	0.05175
7.2900E 6	0.3161	1.63000	0.65365	1.23500	0.00015	0.0	0.04060	0.00960	0.05035
7.3200E 6	0.3120	1.61000	0.63515	1.22592	0.00015	0.0	0.03910	0.00960	0.04885
7.3400E 6	0.3092	1.41000	0.43605	1.14619	0.00015	0.0	0.03810	0.00970	0.04795
7.3600E 6	0.3065	1.56000	0.58695	1.20478	0.00015	0.0	0.03720	0.00970	0.04705
7.3700E 6	0.3052	1.58000	0.60735	1.21231	0.00015	0.0	0.03670	0.00980	0.04665
7.3900E 6	0.3025	1.60000	0.63305	1.21656	0.00015	0.0	0.03100	0.00980	0.04095
7.4000E 6	0.3011	1.62000	0.65275	1.22456	0.00015	0.0	0.03110	0.01000	0.04125
7.4400E 6	0.2957	1.62000	0.65225	1.22448	0.00015	0.0	0.03160	0.01100	0.04275

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.0700E 6	0.3467	0.92600	0.0	0.97145	0.60110	0.0	0.0	0.0	0.0
7.1000E 6	0.3425	0.92600	0.0	0.96895	0.60150	0.0	0.0	0.0	0.0
7.1200E 6	0.3397	0.92600	0.0	0.96725	0.60180	0.0	0.0	0.0	0.0
7.1300E 6	0.3383	0.92600	0.0	0.96645	0.60190	0.0	0.0	0.0	0.0
7.1400E 6	0.3369	0.92600	0.0	0.96495	0.60210	0.0	0.0	0.0	0.0
7.1600E 6	0.3341	0.92600	0.0	0.96175	0.60230	0.0	0.0	0.0	0.0
7.1800E 6	0.3313	0.92600	0.0	0.95875	0.60260	0.0	0.0	0.0	0.0
7.1900E 6	0.3299	0.92600	0.0	0.96155	0.60280	0.0	0.0	0.0	0.0
7.2000E 6	0.3285	0.92600	0.0	0.96345	0.60290	0.0	0.0	0.0	0.0
7.2200E 6	0.3257	0.92600	0.0	0.96815	0.60320	0.0	0.0	0.0	0.0
7.2400E 6	0.3230	0.92600	0.0	0.97305	0.60350	0.0	0.0	0.0	0.0
7.2600E 6	0.3202	0.92600	0.0	0.97775	0.60380	0.0	0.0	0.0	0.0
7.2900E 6	0.3161	0.92600	0.0	0.97635	0.60430	0.0	0.0	0.0	0.0
7.3200E 6	0.3120	0.92600	0.0	0.97485	0.60470	0.0	0.0	0.0	0.0
7.3400E 6	0.3092	0.92600	0.0	0.97395	0.60500	0.0	0.0	0.0	0.0
7.3600E 6	0.3065	0.92600	0.0	0.97305	0.60520	0.0	0.0	0.0	0.0
7.3700E 6	0.3052	0.92600	0.0	0.97265	0.60540	0.0	0.0	0.0	0.0
7.3900E 6	0.3025	0.92600	0.0	0.96695	0.60570	0.0	0.0	0.0	0.0
7.4000E 6	0.3011	0.92600	0.0	0.96725	0.60580	0.0	0.0	0.0	0.0
7.4400E 6	0.2957	0.92500	0.0	0.96775	0.60640	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.4700E 6	0.2917	1.58000	0.61015	1.20970	0.00015	0.0	0.03290	0.01180	0.04485
7.4800E 6	0.2904	1.57000	0.59895	1.20644	0.00015	0.0	0.03350	0.01240	0.04605
7.5100E 6	0.2863	1.59000	0.61505	1.21642	0.00015	0.0	0.03540	0.01440	0.04995
7.5300E 6	0.2837	1.71000	0.73345	1.26428	0.00015	0.0	0.03670	0.01570	0.05255
7.5600E 6	0.2797	1.71000	0.72965	1.26630	0.00015	0.0	0.03860	0.01760	0.05635
7.5900E 6	0.2758	1.64000	0.65585	1.24085	0.00015	0.0	0.04050	0.01950	0.06015
7.6000E 6	0.2744	1.62000	0.63545	1.23320	0.00015	0.0	0.04080	0.01960	0.06055
7.6400E 6	0.2692	1.71000	0.72514	1.26817	0.00016	0.0	0.04180	0.01990	0.06186
7.6700E 6	0.2653	1.67000	0.68414	1.25281	0.00016	0.0	0.04250	0.02020	0.06286
7.7000E 6	0.2614	1.63000	0.64644	1.23554	0.00016	0.0	0.04100	0.02040	0.06156
7.7100E 6	0.2601	1.62000	0.63644	1.23158	0.00016	0.0	0.04090	0.02050	0.06156
7.7400E 6	0.2562	1.58000	0.59754	1.21502	0.00016	0.0	0.04070	0.02060	0.06146
7.7800E 6	0.2510	1.62000	0.63754	1.23027	0.00016	0.0	0.04040	0.02090	0.06146
7.8100E 6	0.2472	1.62000	0.63854	1.22941	0.00016	0.0	0.04020	0.02110	0.06146
7.8300E 6	0.2446	1.67000	0.68854	1.24854	0.00016	0.0	0.04010	0.02120	0.06146
7.8400E 6	0.2433	1.70000	0.71964	1.25944	0.00016	0.0	0.03890	0.02130	0.06036
7.8600E 6	0.2408	1.63000	0.65294	1.23007	0.00016	0.0	0.03650	0.02140	0.05806
7.9000E 6	0.2357	1.62000	0.64854	1.22238	0.00016	0.0	0.03170	0.02160	0.05346
7.9100E 6	0.2345	1.61000	0.63964	1.21777	0.00016	0.0	0.03050	0.02170	0.05236
7.9300E 6	0.2319	1.58000	0.61024	1.20562	0.00016	0.0	0.03080	0.02180	0.05276

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.4700E 6	0.2917	0.92500	0.0	0.96985	0.60690	0.0	0.0	0.0	0.0
7.4800E 6	0.2904	0.92500	0.0	0.97105	0.60700	0.0	0.0	0.0	0.0
7.5100E 6	0.2863	0.92500	0.0	0.97495	0.60740	0.0	0.0	0.0	0.0
7.5300E 6	0.2837	0.92400	0.0	0.97655	0.60770	0.0	0.0	0.0	0.0
7.5600E 6	0.2797	0.92400	0.0	0.98035	0.60810	0.0	0.0	0.0	0.0
7.5900E 6	0.2758	0.92400	0.0	0.98415	0.60860	0.0	0.0	0.0	0.0
7.6000E 6	0.2744	0.92400	0.0	0.98455	0.60870	0.0	0.0	0.0	0.0
7.6400E 6	0.2692	0.92300	0.0	0.98486	0.60930	0.0	0.0	0.0	0.0
7.6700E 6	0.2653	0.92300	0.0	0.98586	0.60980	0.0	0.0	0.0	0.0
7.7000E 6	0.2614	0.92200	0.0	0.98356	0.61020	0.0	0.0	0.0	0.0
7.7100E 6	0.2601	0.92200	0.0	0.98356	0.61030	0.0	0.0	0.0	0.0
7.7400E 6	0.2562	0.92100	0.0	0.98246	0.61080	0.0	0.0	0.0	0.0
7.7800E 6	0.2510	0.92100	0.0	0.98246	0.61130	0.0	0.0	0.0	0.0
7.8100E 6	0.2472	0.92000	0.0	0.98146	0.61170	0.0	0.0	0.0	0.0
7.8300E 6	0.2446	0.92000	0.0	0.98146	0.61210	0.0	0.0	0.0	0.0
7.8400E 6	0.2433	0.92000	0.0	0.98036	0.61220	0.0	0.0	0.0	0.0
7.8600E 6	0.2408	0.91900	0.0	0.97706	0.61250	0.0	0.0	0.0	0.0
7.9000E 6	0.2357	0.91800	0.0	0.97146	0.61310	0.0	0.0	0.0	0.0
7.9100E 6	0.2345	0.91800	0.0	0.97036	0.61320	0.0	0.0	0.0	0.0
7.9300E 6	0.2319	0.91700	0.0	0.96976	0.61350	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.9600E 6	0.2282	1.56000	0.59054	1.19747	0.00016	0.0	0.03130	0.02200	0.05346
7.9800E 6	0.2256	1.56000	0.59104	1.19698	0.00016	0.0	0.03160	0.02220	0.05396
8.0000E 6	0.2231	1.61000	0.64064	1.21633	0.00016	0.0	0.03190	0.02230	0.05436
8.0100E 6	0.2219	1.63000	0.66034	1.22416	0.00016	0.0	0.03210	0.02240	0.05466
8.0400E 6	0.2182	1.65000	0.68074	1.23128	0.00016	0.0	0.03260	0.02250	0.05526
8.0800E 6	0.2132	1.63000	0.66074	1.22325	0.00016	0.0	0.03330	0.02280	0.05626
8.1000E 6	0.2107	1.61000	0.64134	1.21500	0.00016	0.0	0.03360	0.02290	0.05666
8.1200E 6	0.2083	1.60000	0.63194	1.21060	0.00016	0.0	0.03390	0.02300	0.05706
8.1500E 6	0.2046	1.69000	0.72224	1.24459	0.00016	0.0	0.03440	0.02320	0.05776
8.1900E 6	0.1997	1.53000	0.56244	1.18281	0.00016	0.0	0.03500	0.02340	0.05856
8.2000E 6	0.1985	1.48000	0.51214	1.16380	0.00016	0.0	0.03520	0.02350	0.05886
8.2300E 6	0.1948	1.35000	0.38244	1.11373	0.00016	0.0	0.03570	0.02370	0.05956
8.2500E 6	0.1924	1.45000	0.48294	1.15149	0.00016	0.0	0.03600	0.02390	0.06006
8.2800E 6	0.1887	1.52000	0.55323	1.17783	0.00017	0.0	0.03650	0.02410	0.06077
8.3000E 6	0.1863	1.55000	0.58383	1.18873	0.00017	0.0	0.03680	0.02420	0.06117
8.3300E 6	0.1827	1.56000	0.59413	1.19206	0.00017	0.0	0.03730	0.02440	0.06187
8.3600E 6	0.1791	1.51000	0.54443	1.17262	0.00017	0.0	0.03780	0.02460	0.06257
8.3800E 6	0.1767	1.51000	0.54503	1.17208	0.00017	0.0	0.03810	0.02470	0.06297
8.4000E 6	0.1744	1.51000	0.54563	1.17155	0.00017	0.0	0.03840	0.02480	0.06337
8.4100E 6	0.1732	1.51000	0.54633	1.17106	0.00017	0.0	0.03860	0.02490	0.06367

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.9600E 6	0.2282	0.91600	0.0	0.96946	0.61390	0.0	0.0	0.0	0.0
7.9800E 6	0.2256	0.91500	0.0	0.96896	0.61420	0.0	0.0	0.0	0.0
8.0000E 6	0.2231	0.91500	0.0	0.96936	0.61450	0.0	0.0	0.0	0.0
8.0100E 6	0.2219	0.91500	0.0	0.96966	0.61460	0.0	0.0	0.0	0.0
8.0400E 6	0.2182	0.91400	0.0	0.96926	0.61510	0.0	0.0	0.0	0.0
8.0800E 6	0.2132	0.91300	0.0	0.96926	0.61560	0.0	0.0	0.0	0.0
8.1000E 6	0.2107	0.91200	0.0	0.96866	0.61590	0.0	0.0	0.0	0.0
8.1200E 6	0.2083	0.91100	0.0	0.96806	0.61620	0.0	0.0	0.0	0.0
8.1500E 6	0.2046	0.91000	0.0	0.96776	0.61670	0.0	0.0	0.0	0.0
8.1900E 6	0.1997	0.90900	0.0	0.96756	0.61730	0.0	0.0	0.0	0.0
8.2000E 6	0.1985	0.90900	0.0	0.96786	0.61740	0.0	0.0	0.0	0.0
8.2300E 6	0.1948	0.90800	0.0	0.96756	0.61780	0.0	0.0	0.0	0.0
8.2500E 6	0.1924	0.90700	0.0	0.96706	0.61810	0.0	0.0	0.0	0.0
8.2800E 6	0.1887	0.90600	0.0	0.96677	0.61850	0.0	0.0	0.0	0.0
8.3000E 6	0.1863	0.90500	0.0	0.96617	0.61880	0.0	0.0	0.0	0.0
8.3300E 6	0.1827	0.90400	0.0	0.96587	0.61930	0.0	0.0	0.0	0.0
8.3600E 6	0.1791	0.90300	0.0	0.96557	0.61970	0.0	0.0	0.0	0.0
8.3800E 6	0.1767	0.90200	0.0	0.96497	0.62000	0.0	0.0	0.0	0.0
8.4000E 6	0.1744	0.90100	0.0	0.96437	0.62030	0.0	0.0	0.0	0.0
8.4100E 6	0.1732	0.90000	0.0	0.96367	0.62040	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.4400E 6	0.1696	1.52000	0.55663	1.17450	0.00017	0.0	0.03910	0.02510	0.06437
8.4700E 6	0.1661	1.49000	0.52793	1.16200	0.00017	0.0	0.03960	0.02530	0.06507
8.5000E 6	0.1625	1.54000	0.57823	1.18051	0.00017	0.0	0.04010	0.02550	0.06577
8.5100E 6	0.1613	1.56000	0.59893	1.18753	0.00017	0.0	0.04030	0.02560	0.06607
8.5200E 6	0.1602	1.65000	0.68883	1.22155	0.00017	0.0	0.04040	0.02560	0.06617
8.6000E 6	0.1508	1.61000	0.65083	1.20440	0.00017	0.0	0.04180	0.02620	0.06817
8.6700E 6	0.1427	1.55000	0.59223	1.18033	0.00017	0.0	0.04300	0.02660	0.06977
8.6900E 6	0.1404	1.53000	0.56693	1.17595	0.00017	0.0	0.04920	0.02670	0.07607
8.7300E 6	0.1358	1.55000	0.57613	1.18986	0.00017	0.0	0.06170	0.02700	0.08887
8.7800E 6	0.1301	1.58000	0.59502	1.20764	0.00018	0.0	0.06470	0.03810	0.10298
8.8200E 6	0.1256	1.55000	0.55572	1.20190	0.00018	0.0	0.06710	0.04700	0.11428
8.8700E 6	0.1199	1.51000	0.52772	1.17907	0.00018	0.0	0.06250	0.04260	0.10528
8.9000E 6	0.1165	1.51000	0.53402	1.17490	0.00018	0.0	0.05980	0.04000	0.09998
8.9200E 6	0.1143	1.52000	0.56502	1.16528	0.00018	0.0	0.05780	0.02200	0.07998
8.9600E 6	0.1098	1.52000	0.56652	1.16406	0.00018	0.0	0.05250	0.02780	0.08048
9.0500E 6	0.0998	1.64000	0.69152	1.20455	0.00018	0.0	0.04060	0.04070	0.08148
9.0700E 6	0.0976	1.64000	0.69222	1.20390	0.00018	0.0	0.03800	0.04360	0.08178
9.1400E 6	0.0899	1.66000	0.70492	1.21520	0.00018	0.0	0.03970	0.05320	0.09308
9.2000E 6	0.0834	1.62000	0.65912	1.20357	0.00018	0.0	0.04120	0.06150	0.10288
9.2300E 6	0.0801	1.60000	0.65092	1.18842	0.00018	0.0	0.04190	0.05100	0.09308

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.4400E 6	0.1696	0.89900	0.0	0.96337	0.62070	0.0	0.0	0.0	0.0
8.4700E 6	0.1661	0.89700	0.0	0.96207	0.62130	0.0	0.0	0.0	0.0
8.5000E 6	0.1625	0.89600	0.0	0.96177	0.62170	0.0	0.0	0.0	0.0
8.5100E 6	0.1613	0.89500	0.0	0.96107	0.62190	0.0	0.0	0.0	0.0
8.5200E 6	0.1602	0.89500	0.0	0.96117	0.62200	0.0	0.0	0.0	0.0
8.6000E 6	0.1508	0.89100	0.0	0.95917	0.62320	0.0	0.0	0.0	0.0
8.6700E 6	0.1427	0.88800	0.0	0.95777	0.62420	0.0	0.0	0.0	0.0
8.6900E 6	0.1404	0.88700	0.0	0.96307	0.62450	0.0	0.0	0.0	0.0
8.7300E 6	0.1358	0.88500	0.0	0.97387	0.62510	0.0	0.0	0.0	0.0
8.7800E 6	0.1301	0.88200	0.0	0.98498	0.62580	0.0	0.0	0.0	0.0
8.8200E 6	0.1256	0.88000	0.0	0.99428	0.62640	0.0	0.0	0.0	0.0
8.8700E 6	0.1199	0.87700	0.0	0.98228	0.62710	0.0	0.0	0.0	0.0
8.9000E 6	0.1165	0.87600	0.0	0.97598	0.62750	0.0	0.0	0.0	0.0
8.9200E 6	0.1143	0.87500	0.0	0.95498	0.62780	0.0	0.0	0.0	0.0
8.9600E 6	0.1098	0.87300	0.0	0.95348	0.62830	0.0	0.0	0.0	0.0
9.0500E 6	0.0998	0.86700	0.0	0.94848	0.62970	0.0	0.0	0.0	0.0
9.0700E 6	0.0976	0.86600	0.0	0.94778	0.63000	0.0	0.0	0.0	0.0
9.1400E 6	0.0899	0.86200	0.0	0.95508	0.63100	0.0	0.0	0.0	0.0
9.2000E 6	0.0834	0.85800	0.0	0.96088	0.63180	0.0	0.0	0.0	0.0
9.2300E 6	0.0801	0.85600	0.0	0.94908	0.63230	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.2500E 6	0.0780	1.60000	0.65841	1.18349	0.00019	0.0	0.04240	0.04400	0.08659
9.3300E 6	0.0694	1.60000	0.66651	1.17763	0.00019	0.0	0.04440	0.03890	0.08349
9.3400E 6	0.0683	1.60000	0.66781	1.17668	0.00019	0.0	0.04470	0.03830	0.08319
9.4300E 6	0.0587	1.58000	0.65651	1.16298	0.00019	0.0	0.04900	0.03230	0.08149
9.4500E 6	0.0566	1.61000	0.68781	1.17290	0.00019	0.0	0.05000	0.03100	0.08119
9.5200E 6	0.0492	1.72000	0.76261	1.23460	0.00019	0.0	0.07100	0.04920	0.12039
9.5500E 6	0.0460	1.69000	0.71781	1.23283	0.00019	0.0	0.08000	0.05700	0.13719
9.5800E 6	0.0429	1.67000	0.72011	1.21107	0.00019	0.0	0.08170	0.03600	0.11789
9.6000E 6	0.0408	1.65000	0.69511	1.20680	0.00019	0.0	0.08300	0.04070	0.12389
9.6200E 6	0.0387	1.63000	0.67311	1.20062	0.00019	0.0	0.08100	0.04670	0.12789
9.6900E 6	0.0315	1.59000	0.63310	1.18545	0.00020	0.0	0.07420	0.05850	0.13290
9.7000E 6	0.0305	1.58000	0.63760	1.17251	0.00020	0.0	0.07320	0.04600	0.11940
9.7200E 6	0.0284	1.57000	0.62900	1.16782	0.00020	0.0	0.07100	0.04780	0.11900
9.7700E 6	0.0233	1.60000	0.68210	1.16339	0.00020	0.0	0.04700	0.05170	0.09890
9.8300E 6	0.0171	1.63000	0.71060	1.17451	0.00020	0.0	0.04920	0.05600	0.10540
9.8900E 6	0.0111	1.60000	0.70220	1.14926	0.00020	0.0	0.05160	0.03600	0.08780
9.9300E 6	0.0070	1.58000	0.65630	1.15839	0.00020	0.0	0.05320	0.06330	0.11670
9.9500E 6	0.0050	1.58000	0.64380	1.16623	0.00020	0.0	0.05400	0.07700	0.13120
10.0000E 6	0.0000	1.58000	0.60690	1.18952	0.00020	0.0	0.10200	0.07090	0.17310

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.2500E 6	0.0780	0.85500	0.0	0.94159	0.63260	0.0	0.0	0.0	0.0
9.3300E 6	0.0694	0.85000	0.0	0.93349	0.63370	0.0	0.0	0.0	0.0
9.3400E 6	0.0683	0.84900	0.0	0.93219	0.63390	0.0	0.0	0.0	0.0
9.4300E 6	0.0587	0.84200	0.0	0.92349	0.63520	0.0	0.0	0.0	0.0
9.4500E 6	0.0566	0.84100	0.0	0.92219	0.63550	0.0	0.0	0.0	0.0
9.5200E 6	0.0492	0.83700	0.0	0.95739	0.63650	0.0	0.0	0.0	0.0
9.5500E 6	0.0460	0.83500	0.0	0.97219	0.63690	0.0	0.0	0.0	0.0
9.5800E 6	0.0429	0.83200	0.0	0.94989	0.63730	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	0.83100	0.0	0.95489	0.63760	0.0	0.0	0.0	0.0
9.6200E 6	0.0387	0.82900	0.0	0.95689	0.63790	0.0	0.0	0.0	0.0
9.6900E 6	0.0315	0.82400	0.0	0.95690	0.63900	0.0	0.0	0.0	0.0
9.7000E 6	0.0305	0.82300	0.0	0.94240	0.63910	0.0	0.0	0.0	0.0
9.7200E 6	0.0284	0.82200	0.0	0.94100	0.63940	0.0	0.0	0.0	0.0
9.7700E 6	0.0233	0.81900	0.0	0.91790	0.64010	0.0	0.0	0.0	0.0
9.8300E 6	0.0171	0.81400	0.0	0.91940	0.64100	0.0	0.0	0.0	0.0
9.8900E 6	0.0111	0.81000	0.0	0.89780	0.64190	0.0	0.0	0.0	0.0
9.9300E 6	0.0070	0.80700	0.0	0.92370	0.64240	0.0	0.0	0.0	0.0
9.9500E 6	0.0050	0.80500	0.0	0.93620	0.64270	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.80000	0.0	0.97310	0.64340	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	19.87300	4.28000	19.81822	15.59300	0.0	0.0	0.0	15.59300
1.5000E-3	22.6204	17.01100	4.28000	16.95622	12.73100	0.0	0.0	0.0	12.73100
2.0000E-3	22.3327	15.30600	4.28000	15.25122	11.02600	0.0	0.0	0.0	11.02600
2.5000E-3	22.1096	14.14200	4.28000	14.08722	9.86200	0.0	0.0	0.0	9.86200
3.0000E-3	21.9272	13.28300	4.28000	13.22822	9.00300	0.0	0.0	0.0	9.00300
4.0000E-3	21.6396	12.07600	4.28000	12.02122	7.79600	0.0	0.0	0.0	7.79600
5.0000E-3	21.4164	11.25300	4.28000	11.19822	6.97300	0.0	0.0	0.0	6.97300
6.0000E-3	21.2341	10.64600	4.28000	10.59122	6.36600	0.0	0.0	0.0	6.36600
7.0000E-3	21.0799	10.17400	4.28000	10.11922	5.89400	0.0	0.0	0.0	5.89400
8.0000E-3	20.9464	9.79300	4.28000	9.73822	5.51300	0.0	0.0	0.0	5.51300
9.0000E-3	20.8286	9.47800	4.28000	9.42322	5.19800	0.0	0.0	0.0	5.19800
10.0000E-3	20.7233	9.21090	4.28000	9.15612	4.93090	0.0	0.0	0.0	4.93090
15.0000E-3	20.3178	8.30620	4.28000	8.25142	4.02620	0.0	0.0	0.0	4.02620
20.0000E-3	20.0301	7.76670	4.28000	7.71190	3.48670	0.0	0.0	0.0	3.48670
25.3000E-3	19.7950	7.38000	4.28000	7.32520	3.10000	0.0	0.0	0.0	3.10000
30.0000E-3	19.6247	7.12680	4.28000	7.07200	2.84680	0.0	0.0	0.0	2.84680
40.0000E-3	19.3370	6.74540	4.28000	6.69060	2.46540	0.0	0.0	0.0	2.46540
50.0000E-3	19.1138	6.48510	4.28000	6.43030	2.20510	0.0	0.0	0.0	2.20510
60.0000E-3	18.9315	6.29300	4.28000	6.23820	2.01300	0.0	0.0	0.0	2.01300
70.0000E-3	18.7774	6.14370	4.28000	6.08890	1.86370	0.0	0.0	0.0	1.86370

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	15.59300	0.01280	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	12.73100	0.01280	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	11.02600	0.01280	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	9.86200	0.01280	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	9.00300	0.01280	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	7.79600	0.01280	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	6.97300	0.01280	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	6.36600	0.01280	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	5.89400	0.01280	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	5.51300	0.01280	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	5.19800	0.01280	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	4.93090	0.01280	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	4.02620	0.01280	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	3.48670	0.01280	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	3.10000	0.01280	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	2.84680	0.01280	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	2.46540	0.01280	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	2.20510	0.01280	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	2.01300	0.01280	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	1.86370	0.01280	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	6.02330	4.28000	5.96850	1.74330	0.0	0.0	0.0	1.74330
90.0000E-3	18.5260	5.92360	4.28000	5.86880	1.64360	0.0	0.0	0.0	1.64360
100.0000E-3	18.4207	5.83930	4.28000	5.78450	1.55930	0.0	0.0	0.0	1.55930
150.0000E-3	18.0152	5.55310	4.28000	5.49830	1.27310	0.0	0.0	0.0	1.27310
200.0000E-3	17.7275	5.38260	4.28000	5.32780	1.10260	0.0	0.0	0.0	1.10260
250.0000E-3	17.5044	5.26620	4.28000	5.21140	0.98620	0.0	0.0	0.0	0.98620
300.0000E-3	17.3221	5.18030	4.28000	5.12550	0.90030	0.0	0.0	0.0	0.90030
400.0000E-3	17.0344	5.05960	4.28000	5.00480	0.77960	0.0	0.0	0.0	0.77960
500.0000E-3	16.8112	4.97730	4.28000	4.92220	0.69730	0.0	0.0	0.0	0.69730
600.0000E-3	16.6289	4.91660	4.28000	4.86180	0.63660	0.0	0.0	0.0	0.63660
700.0000E-3	16.4748	4.86940	4.28000	4.81460	0.58940	0.0	0.0	0.0	0.58940
800.0000E-3	16.3412	4.83130	4.28000	4.77650	0.55130	0.0	0.0	0.0	0.55130
900.0000E-3	16.2235	4.79980	4.28000	4.74500	0.51980	0.0	0.0	0.0	0.51980
1.0000E00	16.1181	4.77310	4.28000	4.71830	0.49310	0.0	0.0	0.0	0.49310
1.5000E00	15.7126	4.68430	4.28170	4.62949	0.40260	0.0	0.0	0.0	0.40260
2.0000E00	15.4249	4.63330	4.28460	4.57846	0.34870	0.0	0.0	0.0	0.34870
2.5000E00	15.2018	4.59680	4.28490	4.54195	0.31190	0.0	0.0	0.0	0.31190
3.0000E00	15.0195	4.56880	4.28410	4.51396	0.28470	0.0	0.0	0.0	0.28470
4.0000E00	14.7318	4.52960	4.28310	4.47478	0.24650	0.0	0.0	0.0	0.24650
5.0000E00	14.5087	4.50530	4.28480	4.45045	0.22050	0.0	0.0	0.0	0.22050

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	1.74330	0.01280	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	1.64360	0.01280	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	1.55930	0.01280	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	1.27310	0.01280	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	1.10260	0.01280	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.98620	0.01280	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.90030	0.01280	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	0.77960	0.01280	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.69730	0.01280	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.63660	0.01280	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.58940	0.01280	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.55130	0.01280	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.51980	0.01280	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.49310	0.01280	0.0	0.0	0.0	0.0
1.5000E00	15.7126	0.0	0.0	0.40260	0.01280	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.34870	0.01280	0.0	0.0	0.0	0.0
2.5000E00	15.2018	0.0	0.0	0.31190	0.01280	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.28470	0.01280	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.24650	0.01280	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.22050	0.01280	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.0000E00	14.3263	4.48780	4.28650	4.43293	0.20130	0.0	0.0	0.0	0.20130
7.0000E00	14.1722	4.47270	4.28630	4.41784	0.18640	0.0	0.0	0.0	0.18640
8.0000E00	14.0387	4.45960	4.28530	4.40475	0.17430	0.0	0.0	0.0	0.17430
9.0000E00	13.9209	4.44910	4.28470	4.39426	0.16440	0.0	0.0	0.0	0.16440
10.0000E00	13.8155	4.44090	4.28500	4.38605	0.15590	0.0	0.0	0.0	0.15590
20.0000E00	13.1224	4.39530	4.28500	4.34045	0.11030	0.0	0.0	0.0	0.11030
40.0000E00	12.4292	4.36300	4.28500	4.30815	0.07800	0.0	0.0	0.0	0.07800
60.0000E00	12.0238	4.34860	4.28490	4.29375	0.06370	0.0	0.0	0.0	0.06370
80.0000E00	11.7361	4.34020	4.28510	4.28535	0.05510	0.0	0.0	0.0	0.05510
100.0000E00	11.5129	4.33430	4.28500	4.27945	0.04930	0.0	0.0	0.0	0.04930
200.0000E00	10.8198	4.31980	4.28450	4.26496	0.03530	0.0	0.0	0.0	0.03530
400.0000E00	10.1266	4.30950	4.28480	4.25465	0.02470	0.0	0.0	0.0	0.02470
600.0000E00	9.7212	4.30480	4.28470	4.24996	0.02010	0.0	0.0	0.0	0.02010
800.0000E00	9.4335	4.30200	4.27700	4.24725	0.02500	0.0	0.0	0.0	0.02500
1.0000E 3	9.2103	4.30000	4.28100	4.24520	0.01900	0.0	0.0	0.0	0.01900
1.5000E 3	8.8049	4.31000	4.23000	4.25586	0.08000	0.0	0.0	0.0	0.08000
1.7500E 3	8.6507	4.38000	4.29900	4.32497	0.08100	0.0	0.0	0.0	0.08100
2.0000E 3	8.5172	4.55000	4.48750	4.49256	0.06250	0.0	0.0	0.0	0.06250
2.2500E 3	8.3994	4.93000	4.88500	4.86747	0.04500	0.0	0.0	0.0	0.04500
2.5000E 3	8.2940	5.50000	5.46300	5.43007	0.03700	0.0	0.0	0.0	0.03700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.0000E00	14.3263	0.0	0.0	0.20130	0.01280	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.18640	0.01280	0.0	0.0	0.0	0.0
8.0000E00	14.0387	0.0	0.0	0.17430	0.01280	0.0	0.0	0.0	0.0
9.0000E00	13.9209	0.0	0.0	0.16440	0.01280	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.15590	0.01280	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.11030	0.01280	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	0.07800	0.01280	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.06370	0.01280	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.05510	0.01280	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.04930	0.01280	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.03530	0.01280	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.02470	0.01280	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.02010	0.01280	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.02500	0.01280	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.01900	0.01280	0.0	0.0	0.0	0.0
1.5000E 3	8.8049	0.0	0.0	0.08000	0.01280	0.0	0.0	0.0	0.0
1.7500E 3	8.6507	0.0	0.0	0.08100	0.01280	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.06250	0.01280	0.0	0.0	0.0	0.0
2.2500E 3	8.3994	0.0	0.0	0.04500	0.01280	0.0	0.0	0.0	0.0
2.5000E 3	8.2940	0.0	0.0	0.03700	0.01280	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.7500E 3	8.1987	6.30000	6.26650	6.21979	0.03350	0.0	0.0	0.0	0.03350
3.0000E 3	8.1117	7.40000	7.36900	7.30568	0.03100	0.0	0.0	0.0	0.03100
3.2000E 3	8.0472	8.67000	8.64000	8.55941	0.03000	0.0	0.0	0.0	0.03000
3.4000E 3	7.9866	10.40000	10.36860	10.26728	0.03140	0.0	0.0	0.0	0.03140
3.6000E 3	7.9294	13.30000	13.26700	13.13018	0.03300	0.0	0.0	0.0	0.03300
3.8000E 3	7.8753	17.00000	16.96450	16.78285	0.03550	0.0	0.0	0.0	0.03550
4.0000E 3	7.8240	20.80000	20.76200	20.53425	0.03800	0.0	0.0	0.0	0.03800
4.1000E 3	7.7994	24.25000	24.21000	23.94011	0.04000	0.0	0.0	0.0	0.04000
4.3500E 3	7.7402	17.10000	17.05500	16.88170	0.04500	0.0	0.0	0.0	0.04500
4.5000E 3	7.7063	21.30000	21.25300	21.02796	0.04700	0.0	0.0	0.0	0.04700
4.8000E 3	7.6417	17.75000	17.70100	17.52343	0.04900	0.0	0.0	0.0	0.04900
5.0000E 3	7.6009	18.50000	18.45050	18.26383	0.04950	0.0	0.0	0.0	0.04950
5.2000E 3	7.5617	24.30000	24.24900	23.98961	0.05100	0.0	0.0	0.0	0.05100
5.5000E 3	7.5056	23.30000	23.24900	23.00241	0.05100	0.0	0.0	0.0	0.05100
5.6000E 3	7.4876	24.00000	23.95000	23.69344	0.05000	0.0	0.0	0.0	0.05000
6.1000E 3	7.4021	15.40000	15.35050	15.20351	0.04950	0.0	0.0	0.0	0.04950
6.5000E 3	7.3385	19.80000	19.75350	19.54716	0.04650	0.0	0.0	0.0	0.04650
7.0000E 3	7.2644	14.75000	14.70900	14.56172	0.04100	0.0	0.0	0.0	0.04100
7.4000E 3	7.2089	18.50000	18.46400	18.26366	0.03600	0.0	0.0	0.0	0.03600
7.8000E 3	7.1562	14.40000	14.37000	14.21606	0.03000	0.0	0.0	0.0	0.03000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.7500E 3	8.1987	0.0	0.0	0.03350	0.01280	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.03100	0.01280	0.0	0.0	0.0	0.0
3.2000E 3	8.0472	0.0	0.0	0.03000	0.01280	0.0	0.0	0.0	0.0
3.4000E 3	7.9866	0.0	0.0	0.03140	0.01280	0.0	0.0	0.0	0.0
3.6000E 3	7.9294	0.0	0.0	0.03300	0.01280	0.0	0.0	0.0	0.0
3.8000E 3	7.8753	0.0	0.0	0.03550	0.01280	0.0	0.0	0.0	0.0
4.0000E 3	7.8240	0.0	0.0	0.03800	0.01280	0.0	0.0	0.0	0.0
4.1000E 3	7.7994	0.0	0.0	0.04000	0.01280	0.0	0.0	0.0	0.0
4.3500E 3	7.7402	0.0	0.0	0.04500	0.01280	0.0	0.0	0.0	0.0
4.5000E 3	7.7063	0.0	0.0	0.04700	0.01280	0.0	0.0	0.0	0.0
4.8000E 3	7.6417	0.0	0.0	0.04900	0.01280	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.04950	0.01280	0.0	0.0	0.0	0.0
5.2000E 3	7.5617	0.0	0.0	0.05100	0.01280	0.0	0.0	0.0	0.0
5.5000E 3	7.5056	0.0	0.0	0.05100	0.01280	0.0	0.0	0.0	0.0
5.6000E 3	7.4876	0.0	0.0	0.05000	0.01280	0.0	0.0	0.0	0.0
6.1000E 3	7.4021	0.0	0.0	0.04950	0.01280	0.0	0.0	0.0	0.0
6.5000E 3	7.3385	0.0	0.0	0.04650	0.01280	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.04100	0.01280	0.0	0.0	0.0	0.0
7.4000E 3	7.2089	0.0	0.0	0.03600	0.01280	0.0	0.0	0.0	0.0
7.8000E 3	7.1562	0.0	0.0	0.03000	0.01280	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.1000E 3	7.1185	20.40000	20.37200	20.13924	0.02800	0.0	0.0	0.0	0.02800
8.5000E 3	7.0703	15.80000	15.77500	15.59808	0.02500	0.0	0.0	0.0	0.02500
9.0000E 3	7.0131	11.50000	11.47800	11.35308	0.02200	0.0	0.0	0.0	0.02200
9.5000E 3	6.9590	9.60000	9.58100	9.47736	0.01900	0.0	0.0	0.0	0.01900
10.0000E 3	6.9078	9.15000	9.13300	9.03310	0.01700	0.0	0.0	0.0	0.01700
10.5000E 3	6.8590	10.75000	10.73500	10.61152	0.01500	0.0	0.0	0.0	0.01500
11.0000E 3	6.8124	5.65000	5.63570	5.57561	0.01430	0.0	0.0	0.0	0.01430
11.5000E 3	6.7680	5.08000	5.06640	5.01160	0.01360	0.0	0.0	0.0	0.01360
12.3000E 3	6.7007	5.68000	5.66710	5.60123	0.01290	0.0	0.0	0.0	0.01290
13.0000E 3	6.6454	5.16000	5.14770	5.08690	0.01230	0.0	0.0	0.0	0.01230
15.0000E 3	6.5023	3.35000	3.33900	3.29925	0.01100	0.0	0.0	0.0	0.01100
16.5000E 3	6.4070	2.40000	2.38960	2.36201	0.01040	0.0	0.0	0.0	0.01040
17.0000E 3	6.3771	3.57000	3.55980	3.51233	0.01020	0.0	0.0	0.0	0.01020
18.0000E 3	6.3200	3.13000	3.12010	3.07789	0.00990	0.0	0.0	0.0	0.00990
19.0000E 3	6.2659	2.95000	2.94040	2.89943	0.00960	0.0	0.0	0.0	0.00960
19.5000E 3	6.2399	2.96000	2.95060	2.90866	0.00940	0.0	0.0	0.0	0.00940
20.0000E 3	6.2146	3.04000	3.03070	2.98636	0.00930	0.0	0.0	0.0	0.00930
20.7500E 3	6.1778	3.62000	3.61090	3.55464	0.00910	0.0	0.0	0.0	0.00910
21.5000E 3	6.1423	2.96000	2.95110	2.90540	0.00890	0.0	0.0	0.0	0.00890
22.5000E 3	6.0968	2.26000	2.25130	2.21723	0.00870	0.0	0.0	0.0	0.00870

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.1000E 3	7.1185	0.0	0.0	0.02800	0.01280	0.0	0.0	0.0	0.0
8.5000E 3	7.0703	0.0	0.0	0.02500	0.01280	0.0	0.0	0.0	0.0
9.0000E 3	7.0131	0.0	0.0	0.02200	0.01280	0.0	0.0	0.0	0.0
9.5000E 3	6.9590	0.0	0.0	0.01900	0.01280	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.01700	0.01280	0.0	0.0	0.0	0.0
10.5000E 3	6.8590	0.0	0.0	0.01500	0.01290	0.0	0.0	0.0	0.0
11.0000E 3	6.8124	0.0	0.0	0.01430	0.01320	0.0	0.0	0.0	0.0
11.5000E 3	6.7680	0.0	0.0	0.01360	0.01350	0.0	0.0	0.0	0.0
12.3000E 3	6.7007	0.0	0.0	0.01290	0.01390	0.0	0.0	0.0	0.0
13.0000E 3	6.6454	0.0	0.0	0.01230	0.01420	0.0	0.0	0.0	0.0
15.0000E 3	6.5023	0.0	0.0	0.01100	0.01520	0.0	0.0	0.0	0.0
16.5000E 3	6.4070	0.0	0.0	0.01040	0.01590	0.0	0.0	0.0	0.0
17.0000E 3	6.3771	0.0	0.0	0.01020	0.01620	0.0	0.0	0.0	0.0
18.0000E 3	6.3200	0.0	0.0	0.00990	0.01670	0.0	0.0	0.0	0.0
19.0000E 3	6.2659	0.0	0.0	0.00960	0.01720	0.0	0.0	0.0	0.0
19.5000E 3	6.2399	0.0	0.0	0.00940	0.01740	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.00930	0.01770	0.0	0.0	0.0	0.0
20.7500E 3	6.1778	0.0	0.0	0.00910	0.01810	0.0	0.0	0.0	0.0
21.5000E 3	6.1423	0.0	0.0	0.00890	0.01850	0.0	0.0	0.0	0.0
22.5000E 3	6.0968	0.0	0.0	0.00870	0.01900	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 6

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
23.8000E 3	6.0407	4.02000	4.01150	3.94097	0.00850	0.0	0.0	0.0	0.00850
26.0000E 3	5.9522	2.17000	2.16190	2.12503	0.00810	0.0	0.0	0.0	0.00810
29.5000E 3	5.8260	4.63000	4.62240	4.52600	0.00760	0.0	0.0	0.0	0.00760
36.0000E 3	5.6268	2.79000	2.78320	2.71847	0.00680	0.0	0.0	0.0	0.00680
38.5000E 3	5.5597	4.08000	4.07340	3.97002	0.00660	0.0	0.0	0.0	0.00660
46.5000E 3	5.3709	0.75000	0.74450	0.72699	0.00550	0.0	0.0	0.0	0.00550
51.0000E 3	5.2785	23.00000	22.99510	22.23886	0.00490	0.0	0.0	0.0	0.00490
53.0000E 3	5.2400	11.00000	10.99540	10.62506	0.00460	0.0	0.0	0.0	0.00460
55.0000E 3	5.2030	7.85000	7.84560	7.57540	0.00440	0.0	0.0	0.0	0.00440
62.0000E 3	5.0832	2.78000	2.77630	2.67478	0.00370	0.0	0.0	0.0	0.00370
64.0000E 3	5.0515	2.72000	2.71650	2.61596	0.00350	0.0	0.0	0.0	0.00350
66.0000E 3	5.0207	3.63000	3.62650	3.48893	0.00350	0.0	0.0	0.0	0.00350
68.0000E 3	4.9908	3.70000	3.69630	3.55400	0.00370	0.0	0.0	0.0	0.00370
72.0000E 3	4.9337	2.03000	2.02610	1.94734	0.00390	0.0	0.0	0.0	0.00390
76.0000E 3	4.8796	2.34000	2.33580	2.24190	0.00420	0.0	0.0	0.0	0.00420
78.0000E 3	4.8536	2.23000	2.22560	2.13519	0.00440	0.0	0.0	0.0	0.00440
85.0000E 3	4.7677	0.79000	0.78510	0.75506	0.00490	0.0	0.0	0.0	0.00490
98.0000E 3	4.6254	16.90000	16.89450	16.09751	0.00550	0.0	0.0	0.0	0.00550
105.0000E 3	4.5564	7.35000	7.34460	6.99011	0.00540	0.0	0.0	0.0	0.00540
108.0000E 3	4.5282	9.10000	9.09460	8.64800	0.00540	0.0	0.0	0.0	0.00540

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
23.8000E 3	6.0407	0.0	0.0	0.00850	0.01970	0.0	0.0	0.0	0.0
26.0000E 3	5.9522	0.0	0.0	0.00810	0.02080	0.0	0.0	0.0	0.0
29.5000E 3	5.8260	0.0	0.0	0.00760	0.02250	0.0	0.0	0.0	0.0
36.0000E 3	5.6268	0.0	0.0	0.00680	0.02570	0.0	0.0	0.0	0.0
38.5000E 3	5.5597	0.0	0.0	0.00660	0.02700	0.0	0.0	0.0	0.0
46.5000E 3	5.3709	0.0	0.0	0.00550	0.03090	0.0	0.0	0.0	0.0
51.0000E 3	5.2785	0.0	0.0	0.00490	0.03310	0.0	0.0	0.0	0.0
53.0000E 3	5.2400	0.0	0.0	0.00460	0.03410	0.0	0.0	0.0	0.0
55.0000E 3	5.2030	0.0	0.0	0.00440	0.03500	0.0	0.0	0.0	0.0
62.0000E 3	5.0832	0.0	0.0	0.00370	0.03790	0.0	0.0	0.0	0.0
64.0000E 3	5.0515	0.0	0.0	0.00350	0.03830	0.0	0.0	0.0	0.0
66.0000E 3	5.0207	0.0	0.0	0.00350	0.03890	0.0	0.0	0.0	0.0
68.0000E 3	4.9908	0.0	0.0	0.00370	0.03950	0.0	0.0	0.0	0.0
72.0000E 3	4.9337	0.0	0.0	0.00390	0.04080	0.0	0.0	0.0	0.0
76.0000E 3	4.8796	0.0	0.0	0.00420	0.04200	0.0	0.0	0.0	0.0
78.0000E 3	4.8536	0.0	0.0	0.00440	0.04260	0.0	0.0	0.0	0.0
85.0000E 3	4.7677	0.0	0.0	0.00490	0.04450	0.0	0.0	0.0	0.0
98.0000E 3	4.6254	0.0	0.0	0.00550	0.04750	0.0	0.0	0.0	0.0
105.0000E 3	4.5564	0.0	0.0	0.00540	0.04900	0.0	0.0	0.0	0.0
108.0000E 3	4.5282	0.0	0.0	0.00540	0.04970	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
118.0000E 3	4.4397	2.18000	2.17470	2.06844	0.00530	0.0	0.0	0.0	0.00530
120.0000E 3	4.4228	7.50000	7.49470	7.11252	0.00530	0.0	0.0	0.0	0.00530
130.0000E 3	4.3428	1.61000	1.60480	1.52479	0.00520	0.0	0.0	0.0	0.00520
139.0000E 3	4.2759	11.15000	11.14490	10.53703	0.00510	0.0	0.0	0.0	0.00510
141.0000E 3	4.2616	9.85000	9.84490	9.30361	0.00510	0.0	0.0	0.0	0.00510
143.0000E 3	4.2475	11.10000	11.09490	10.47869	0.00510	0.0	0.0	0.0	0.00510
146.0000E 3	4.2267	9.60000	9.59490	9.05309	0.00510	0.0	0.0	0.0	0.00510
148.0000E 3	4.2131	10.30000	10.29500	9.70598	0.00500	0.0	0.0	0.0	0.00500
152.0000E 3	4.1865	7.90000	7.89500	7.43262	0.00500	0.0	0.0	0.0	0.00500
155.0000E 3	4.1669	9.10000	9.09500	8.55066	0.00500	0.0	0.0	0.0	0.00500
164.0000E 3	4.1105	4.40000	4.39510	4.11124	0.00490	0.0	0.0	0.0	0.00490
168.0000E 3	4.0864	4.85000	4.84510	4.51908	0.00490	0.0	0.0	0.0	0.00490
180.0000E 3	4.0174	4.23000	4.22520	3.90973	0.00480	0.0	0.0	0.0	0.00480
190.0000E 3	3.9633	3.88000	3.87520	3.56340	0.00480	0.0	0.0	0.0	0.00480
200.0000E 3	3.9120	3.22000	3.21530	2.93930	0.00470	0.0	0.0	0.0	0.00470
210.0000E 3	3.8632	2.86000	2.85530	2.59303	0.00470	0.0	0.0	0.0	0.00470
220.0000E 3	3.8167	2.81000	2.80540	2.52862	0.00460	0.0	0.0	0.0	0.00460
230.0000E 3	3.7723	2.88000	2.87540	2.56974	0.00460	0.0	0.0	0.0	0.00460
245.0000E 3	3.7091	4.70000	4.69550	4.11306	0.00450	0.0	0.0	0.0	0.00450
257.0000E 3	3.6613	2.25000	2.24550	1.92216	0.00450	0.0	0.0	0.0	0.00450

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
118.0000E 3	4.4397	0.0	0.0	0.00530	0.05130	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.00530	0.05170	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	0.0	0.0	0.00520	0.05310	0.0	0.0	0.0	0.0
139.0000E 3	4.2759	0.0	0.0	0.00510	0.05500	0.0	0.0	0.0	0.0
141.0000E 3	4.2616	0.0	0.0	0.00510	0.05550	0.0	0.0	0.0	0.0
143.0000E 3	4.2475	0.0	0.0	0.00510	0.05600	0.0	0.0	0.0	0.0
146.0000E 3	4.2267	0.0	0.0	0.00510	0.05700	0.0	0.0	0.0	0.0
148.0000E 3	4.2131	0.0	0.0	0.00500	0.05770	0.0	0.0	0.0	0.0
152.0000E 3	4.1865	0.0	0.0	0.00500	0.05920	0.0	0.0	0.0	0.0
155.0000E 3	4.1669	0.0	0.0	0.00500	0.06040	0.0	0.0	0.0	0.0
164.0000E 3	4.1105	0.0	0.0	0.00490	0.06570	0.0	0.0	0.0	0.0
168.0000E 3	4.0864	0.0	0.0	0.00490	0.06830	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.00480	0.07580	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	0.0	0.0	0.00480	0.08170	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.00470	0.08730	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	0.0	0.0	0.00470	0.09350	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	0.0	0.0	0.00460	0.10030	0.0	0.0	0.0	0.0
230.0000E 3	3.7723	0.0	0.0	0.00460	0.10790	0.0	0.0	0.0	0.0
245.0000E 3	3.7091	0.0	0.0	0.00450	0.12500	0.0	0.0	0.0	0.0
257.0000E 3	3.6613	0.0	0.0	0.00450	0.14600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
263.0000E 3	3.6382	2.53000	2.52560	2.13096	0.00440	0.0	0.0	0.0	0.00440
270.0000E 3	3.6119	1.69000	1.68560	1.40513	0.00440	0.0	0.0	0.0	0.00440
280.0000E 3	3.5756	2.56000	2.55560	2.08210	0.00440	0.0	0.0	0.0	0.00440
295.0000E 3	3.5234	1.67000	1.66570	1.31354	0.00430	0.0	0.0	0.0	0.00430
305.0000E 3	3.4900	1.78000	1.77570	1.38224	0.00430	0.0	0.0	0.0	0.00430
315.0000E 3	3.4578	1.25000	1.24580	1.03323	0.00420	0.0	0.0	0.0	0.00420
327.0000E 3	3.4204	6.00000	5.99580	5.19656	0.00420	0.0	0.0	0.0	0.00420
340.0000E 3	3.3814	3.37000	3.36580	3.06708	0.00420	0.0	0.0	0.0	0.00420
360.0000E 3	3.3242	1.40000	1.39590	1.30647	0.00410	0.0	0.0	0.0	0.00410
370.0000E 3	3.2968	4.50000	4.49590	4.16056	0.00410	0.0	0.0	0.0	0.00410
380.0000E 3	3.2702	2.15000	2.14590	1.97189	0.00410	0.0	0.0	0.0	0.00410
390.0000E 3	3.2442	1.13000	1.12590	1.02754	0.00410	0.0	0.0	0.0	0.00410
396.0000E 3	3.2289	2.95000	2.94600	2.66718	0.00400	0.0	0.0	0.0	0.00400
400.0000E 3	3.2189	2.10000	2.09600	1.89669	0.00400	0.0	0.0	0.0	0.00400
408.0000E 3	3.1991	5.20000	5.19600	4.68560	0.00400	0.0	0.0	0.0	0.00400
418.0000E 3	3.1749	2.40000	2.39600	2.16040	0.00400	0.0	0.0	0.0	0.00400
422.0000E 3	3.1653	5.10000	5.09600	4.58938	0.00400	0.0	0.0	0.0	0.00400
430.0000E 3	3.1466	3.20000	3.19600	2.87720	0.00400	0.0	0.0	0.0	0.00400
440.0000E 3	3.1236	1.60000	1.59600	1.43721	0.00400	0.0	0.0	0.0	0.00400
442.0000E 3	3.1190	3.50000	3.49600	3.14271	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
263.0000E 3	3.6382	0.0	0.0	0.00440	0.15800	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.0	0.0	0.00440	0.16900	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	0.0	0.0	0.00440	0.18700	0.0	0.0	0.0	0.0
295.0000E 3	3.5234	0.0	0.0	0.00430	0.21400	0.0	0.0	0.0	0.0
305.0000E 3	3.4900	0.0	0.0	0.00430	0.22400	0.0	0.0	0.0	0.0
315.0000E 3	3.4578	0.0	0.0	0.00420	0.17400	0.0	0.0	0.0	0.0
327.0000E 3	3.4204	0.0	0.0	0.00420	0.13400	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	0.0	0.0	0.00420	0.09000	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	0.0	0.0	0.00410	0.06700	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	0.0	0.0	0.00410	0.07550	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.0	0.0	0.00410	0.08300	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	0.0	0.0	0.00410	0.09100	0.0	0.0	0.0	0.0
396.0000E 3	3.2289	0.0	0.0	0.00400	0.09600	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.00400	0.09700	0.0	0.0	0.0	0.0
408.0000E 3	3.1991	0.0	0.0	0.00400	0.09900	0.0	0.0	0.0	0.0
418.0000E 3	3.1749	0.0	0.0	0.00400	0.10000	0.0	0.0	0.0	0.0
422.0000E 3	3.1653	0.0	0.0	0.00400	0.10020	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	0.0	0.0	0.00400	0.10100	0.0	0.0	0.0	0.0
440.0000E 3	3.1236	0.0	0.0	0.00400	0.10200	0.0	0.0	0.0	0.0
442.0000E 3	3.1190	0.0	0.0	0.00400	0.10220	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
445.0000E 3	3.1123	1.00000	0.99600	0.89791	0.00400	0.0	0.0	0.0	0.00400
455.0000E 3	3.0900	1.00000	0.99600	0.88745	0.00400	0.0	0.0	0.0	0.00400
466.0000E 3	3.0662	4.80000	4.79600	4.17652	0.00400	0.0	0.0	0.0	0.00400
490.0000E 3	3.0159	2.80000	2.79600	2.32748	0.00400	0.0	0.0	0.0	0.00400
500.0000E 3	2.9957	4.06000	4.05600	3.30964	0.00400	0.0	0.0	0.0	0.00400
505.0000E 3	2.9858	3.80000	3.79600	3.10913	0.00400	0.0	0.0	0.0	0.00400
509.0000E 3	2.9779	3.30000	3.29600	2.70771	0.00400	0.0	0.0	0.0	0.00400
514.0000E 3	2.9681	2.70000	2.69600	2.22389	0.00400	0.0	0.0	0.0	0.00400
518.0000E 3	2.9604	2.75000	2.74600	2.27137	0.00400	0.0	0.0	0.0	0.00400
522.0000E 3	2.9527	2.25000	2.24600	1.86391	0.00400	0.0	0.0	0.0	0.00400
527.0000E 3	2.9431	2.05000	2.04600	1.68990	0.00400	0.0	0.0	0.0	0.00400
531.0000E 3	2.9356	1.60000	1.59600	1.30075	0.00400	0.0	0.0	0.0	0.00400
536.0000E 3	2.9262	4.15000	4.14600	3.31002	0.00400	0.0	0.0	0.0	0.00400
540.0000E 3	2.9188	4.85000	4.84600	3.80956	0.00400	0.0	0.0	0.0	0.00400
544.0000E 3	2.9114	4.05000	4.04600	3.13358	0.00400	0.0	0.0	0.0	0.00400
549.0000E 3	2.9022	3.62000	3.61600	2.73408	0.00400	0.0	0.0	0.0	0.00400
553.0000E 3	2.8950	3.63000	3.62600	2.76883	0.00400	0.0	0.0	0.0	0.00400
557.0000E 3	2.8878	3.53000	3.52600	2.72784	0.00400	0.0	0.0	0.0	0.00400
562.0000E 3	2.8788	2.87000	2.86600	2.25381	0.00400	0.0	0.0	0.0	0.00400
566.0000E 3	2.8717	2.88000	2.87600	2.28984	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
445.0000E 3	3.1123	0.0	0.0	0.00400	0.10250	0.0	0.0	0.0	0.0
455.0000E 3	3.0900	0.0	0.0	0.00400	0.11300	0.0	0.0	0.0	0.0
466.0000E 3	3.0662	0.0	0.0	0.00400	0.13000	0.0	0.0	0.0	0.0
490.0000E 3	3.0159	0.0	0.0	0.00400	0.16900	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.00400	0.18500	0.0	0.0	0.0	0.0
505.0000E 3	2.9858	0.0	0.0	0.00400	0.18200	0.0	0.0	0.0	0.0
509.0000E 3	2.9779	0.0	0.0	0.00400	0.17970	0.0	0.0	0.0	0.0
514.0000E 3	2.9681	0.0	0.0	0.00400	0.17660	0.0	0.0	0.0	0.0
518.0000E 3	2.9604	0.0	0.0	0.00400	0.17430	0.0	0.0	0.0	0.0
522.0000E 3	2.9527	0.0	0.0	0.00400	0.17190	0.0	0.0	0.0	0.0
527.0000E 3	2.9431	0.0	0.0	0.00400	0.17600	0.0	0.0	0.0	0.0
531.0000E 3	2.9356	0.0	0.0	0.00400	0.18750	0.0	0.0	0.0	0.0
536.0000E 3	2.9262	0.0	0.0	0.00400	0.20260	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.00400	0.21470	0.0	0.0	0.0	0.0
544.0000E 3	2.9114	0.0	0.0	0.00400	0.22650	0.0	0.0	0.0	0.0
549.0000E 3	2.9022	0.0	0.0	0.00400	0.24500	0.0	0.0	0.0	0.0
553.0000E 3	2.8950	0.0	0.0	0.00400	0.23750	0.0	0.0	0.0	0.0
557.0000E 3	2.8878	0.0	0.0	0.00400	0.22750	0.0	0.0	0.0	0.0
562.0000E 3	2.8788	0.0	0.0	0.00400	0.21500	0.0	0.0	0.0	0.0
566.0000E 3	2.8717	0.0	0.0	0.00400	0.20520	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
570.0000E 3	2.8647	2.70000	2.69600	2.17293	0.00400	0.0	0.0	0.0	0.00400
575.0000E 3	2.8560	3.04000	3.03600	2.48441	0.00400	0.0	0.0	0.0	0.00400
579.0000E 3	2.8490	3.03000	3.01620	2.50669	0.00400	0.0	0.0	0.0	0.00400
583.0000E 3	2.8422	2.24000	2.22590	1.87607	0.00400	0.0	0.0	0.0	0.00400
588.0000E 3	2.8336	1.88000	1.86550	1.59868	0.00400	0.0	0.0	0.0	0.00400
592.0000E 3	2.8268	2.16000	2.14520	1.85753	0.00400	0.0	0.0	0.0	0.00400
596.0000E 3	2.8201	1.90000	1.88500	1.65307	0.00400	0.0	0.0	0.0	0.00400
600.0000E 3	2.8134	1.68000	1.66470	1.47691	0.00400	0.0	0.0	0.0	0.00400
605.0000E 3	2.8051	1.52000	1.50440	1.31766	0.00400	0.0	0.0	0.0	0.00400
609.0000E 3	2.7985	1.32000	1.30410	1.13156	0.00400	0.0	0.0	0.0	0.00400
613.0000E 3	2.7920	1.65000	1.63390	1.39675	0.00400	0.0	0.0	0.0	0.00400
618.0000E 3	2.7839	2.80000	2.78360	2.33403	0.00400	0.0	0.0	0.0	0.00400
622.0000E 3	2.7774	3.62000	3.60350	2.98038	0.00400	0.0	0.0	0.0	0.00400
626.0000E 3	2.7710	4.36000	4.34330	3.54433	0.00400	0.0	0.0	0.0	0.00400
631.0000E 3	2.7630	4.88000	4.86300	3.90643	0.00400	0.0	0.0	0.0	0.00400
635.0000E 3	2.7567	4.67000	4.65270	3.69200	0.00400	0.0	0.0	0.0	0.00400
639.0000E 3	2.7504	4.65000	4.63240	3.62995	0.00400	0.0	0.0	0.0	0.00400
644.0000E 3	2.7426	4.83000	4.81200	3.70880	0.00400	0.0	0.0	0.0	0.00400
648.0000E 3	2.7364	4.57000	4.55190	3.46389	0.00400	0.0	0.0	0.0	0.00400
652.0000E 3	2.7303	4.31000	4.29170	3.25939	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
570.0000E 3	2.8647	0.0	0.0	0.00400	0.19550	0.0	0.0	0.0	0.0
575.0000E 3	2.8560	0.0	0.0	0.00400	0.18300	0.0	0.0	0.0	0.0
579.0000E 3	2.8490	0.00980	0.0	0.01380	0.17350	0.0	0.0	0.0	0.0
583.0000E 3	2.8422	0.01010	0.0	0.01410	0.16350	0.0	0.0	0.0	0.0
588.0000E 3	2.8336	0.01050	0.0	0.01450	0.15080	0.0	0.0	0.0	0.0
592.0000E 3	2.8268	0.01080	0.0	0.01480	0.14100	0.0	0.0	0.0	0.0
596.0000E 3	2.8201	0.01100	0.0	0.01500	0.13100	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.01130	0.0	0.01530	0.12200	0.0	0.0	0.0	0.0
605.0000E 3	2.8051	0.01160	0.0	0.01560	0.13450	0.0	0.0	0.0	0.0
609.0000E 3	2.7985	0.01190	0.0	0.01590	0.14450	0.0	0.0	0.0	0.0
613.0000E 3	2.7920	0.01210	0.0	0.01610	0.15500	0.0	0.0	0.0	0.0
618.0000E 3	2.7839	0.01240	0.0	0.01640	0.16740	0.0	0.0	0.0	0.0
622.0000E 3	2.7774	0.01250	0.0	0.01650	0.17750	0.0	0.0	0.0	0.0
626.0000E 3	2.7710	0.01270	0.0	0.01670	0.18780	0.0	0.0	0.0	0.0
631.0000E 3	2.7630	0.01300	0.0	0.01700	0.20020	0.0	0.0	0.0	0.0
635.0000E 3	2.7567	0.01330	0.0	0.01730	0.21020	0.0	0.0	0.0	0.0
639.0000E 3	2.7504	0.01360	0.0	0.01760	0.22020	0.0	0.0	0.0	0.0
644.0000E 3	2.7426	0.01400	0.0	0.01800	0.23300	0.0	0.0	0.0	0.0
648.0000E 3	2.7364	0.01410	0.0	0.01810	0.24300	0.0	0.0	0.0	0.0
652.0000E 3	2.7303	0.01430	0.0	0.01830	0.24480	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
656.0000E 3	2.7242	3.80000	3.78160	2.89582	0.00400	0.0	0.0	0.0	0.00400
661.0000E 3	2.7166	4.06000	4.04140	3.12401	0.00400	0.0	0.0	0.0	0.00400
665.0000E 3	2.7106	3.14000	3.12120	2.43461	0.00400	0.0	0.0	0.0	0.00400
669.0000E 3	2.7046	2.83000	2.81100	2.21158	0.00400	0.0	0.0	0.0	0.00400
673.0000E 3	2.6986	2.87000	2.85090	2.25934	0.00400	0.0	0.0	0.0	0.00400
678.0000E 3	2.6912	2.78000	2.76070	2.20854	0.00400	0.0	0.0	0.0	0.00400
682.0000E 3	2.6853	2.88000	2.86050	2.30504	0.00400	0.0	0.0	0.0	0.00400
686.0000E 3	2.6795	2.60000	2.58040	2.09579	0.00400	0.0	0.0	0.0	0.00400
690.0000E 3	2.6736	2.30000	2.28030	1.86766	0.00400	0.0	0.0	0.0	0.00400
695.0000E 3	2.6664	1.84000	1.82020	1.50836	0.00400	0.0	0.0	0.0	0.00400
699.0000E 3	2.6607	1.56000	1.54010	1.28833	0.00400	0.0	0.0	0.0	0.00400
703.0000E 3	2.6550	1.57000	1.54990	1.30574	0.00400	0.0	0.0	0.0	0.00400
707.0000E 3	2.6493	2.72000	2.69950	2.27458	0.00400	0.0	0.0	0.0	0.00400
712.0000E 3	2.6423	2.71000	2.68940	2.30820	0.00400	0.0	0.0	0.0	0.00400
716.0000E 3	2.6367	2.76000	2.73930	2.38472	0.00400	0.0	0.0	0.0	0.00400
720.0000E 3	2.6311	2.25000	2.22920	1.97291	0.00400	0.0	0.0	0.0	0.00400
724.0000E 3	2.6255	1.79000	1.76910	1.59257	0.00400	0.0	0.0	0.0	0.00400
729.0000E 3	2.6187	1.50000	1.47900	1.35772	0.00400	0.0	0.0	0.0	0.00400
733.0000E 3	2.6132	1.68000	1.65880	1.54182	0.00400	0.0	0.0	0.0	0.00400
737.0000E 3	2.6078	2.30000	2.27870	2.13958	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
656.0000E 3	2.7242	0.01440	0.0	0.01840	0.23910	0.0	0.0	0.0	0.0
661.0000E 3	2.7166	0.01460	0.0	0.01860	0.23160	0.0	0.0	0.0	0.0
665.0000E 3	2.7106	0.01480	0.0	0.01880	0.22600	0.0	0.0	0.0	0.0
669.0000E 3	2.7046	0.01500	0.0	0.01900	0.22000	0.0	0.0	0.0	0.0
673.0000E 3	2.6986	0.01510	0.0	0.01910	0.21420	0.0	0.0	0.0	0.0
678.0000E 3	2.6912	0.01530	0.0	0.01930	0.20700	0.0	0.0	0.0	0.0
682.0000E 3	2.6853	0.01550	0.0	0.01950	0.20100	0.0	0.0	0.0	0.0
686.0000E 3	2.6795	0.01560	0.0	0.01960	0.19540	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.01570	0.0	0.01970	0.18960	0.0	0.0	0.0	0.0
695.0000E 3	2.6664	0.01580	0.0	0.01980	0.18220	0.0	0.0	0.0	0.0
699.0000E 3	2.6607	0.01590	0.0	0.01990	0.17640	0.0	0.0	0.0	0.0
703.0000E 3	2.6550	0.01610	0.0	0.02010	0.17050	0.0	0.0	0.0	0.0
707.0000E 3	2.6493	0.01650	0.0	0.02050	0.16500	0.0	0.0	0.0	0.0
712.0000E 3	2.6423	0.01660	0.0	0.02060	0.14940	0.0	0.0	0.0	0.0
716.0000E 3	2.6367	0.01670	0.0	0.02070	0.13700	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.01680	0.0	0.02080	0.12430	0.0	0.0	0.0	0.0
724.0000E 3	2.6255	0.01690	0.0	0.02090	0.11160	0.0	0.0	0.0	0.0
729.0000E 3	2.6187	0.01700	0.0	0.02100	0.09620	0.0	0.0	0.0	0.0
733.0000E 3	2.6132	0.01720	0.0	0.02120	0.08330	0.0	0.0	0.0	0.0
737.0000E 3	2.6078	0.01730	0.0	0.02130	0.07040	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
741.0000E 3	2.6023	3.18000	3.15850	2.99807	0.00400	0.0	0.0	0.0	0.00400
745.0000E 3	2.5970	4.38000	4.35830	4.18388	0.00400	0.0	0.0	0.0	0.00400
750.0000E 3	2.5903	5.00000	4.97810	4.85066	0.00400	0.0	0.0	0.0	0.00400
754.0000E 3	2.5849	5.13000	5.10790	4.78522	0.00400	0.0	0.0	0.0	0.00400
758.0000E 3	2.5797	4.40000	4.37780	3.95346	0.00400	0.0	0.0	0.0	0.00400
762.0000E 3	2.5744	3.23000	3.20760	2.79056	0.00400	0.0	0.0	0.0	0.00400
766.0000E 3	2.5692	2.57000	2.54750	2.13310	0.00400	0.0	0.0	0.0	0.00400
771.0000E 3	2.5627	2.67000	2.64740	2.12199	0.00400	0.0	0.0	0.0	0.00400
775.0000E 3	2.5575	3.24000	3.21730	2.62131	0.00400	0.0	0.0	0.0	0.00400
779.0000E 3	2.5523	3.08000	3.05720	2.52940	0.00400	0.0	0.0	0.0	0.00400
783.0000E 3	2.5472	2.25000	2.22710	1.87585	0.00400	0.0	0.0	0.0	0.00400
788.0000E 3	2.5408	1.84000	1.81700	1.57290	0.00400	0.0	0.0	0.0	0.00400
792.0000E 3	2.5358	1.94000	1.91690	1.64710	0.00400	0.0	0.0	0.0	0.00400
796.0000E 3	2.5307	2.87000	2.84670	2.40513	0.00400	0.0	0.0	0.0	0.00400
800.0000E 3	2.5257	4.31000	4.28610	3.56593	0.00400	0.0	0.0	0.0	0.00400
804.0000E 3	2.5207	4.56000	4.53510	3.72554	0.00400	0.0	0.0	0.0	0.00400
808.0000E 3	2.5158	4.56000	4.53390	3.68042	0.00400	0.0	0.0	0.0	0.00400
813.0000E 3	2.5096	4.38000	4.35220	3.47909	0.00400	0.0	0.0	0.0	0.00400
817.0000E 3	2.5047	4.66000	4.63070	3.65282	0.00400	0.0	0.0	0.0	0.00400
821.0000E 3	2.4998	4.16000	4.12930	3.23091	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
741.0000E 3	2.6023	0.01750	0.0	0.02150	0.05760	0.0	0.0	0.0	0.0
745.0000E 3	2.5970	0.01770	0.0	0.02170	0.04500	0.0	0.0	0.0	0.0
750.0000E 3	2.5903	0.01790	0.0	0.02190	0.03000	0.0	0.0	0.0	0.0
754.0000E 3	2.5849	0.01810	0.0	0.02210	0.06750	0.0	0.0	0.0	0.0
758.0000E 3	2.5797	0.01820	0.0	0.02220	0.10200	0.0	0.0	0.0	0.0
762.0000E 3	2.5744	0.01840	0.0	0.02240	0.13700	0.0	0.0	0.0	0.0
766.0000E 3	2.5692	0.01850	0.0	0.02250	0.17150	0.0	0.0	0.0	0.0
771.0000E 3	2.5627	0.01860	0.0	0.02260	0.20700	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.01870	0.0	0.02270	0.19230	0.0	0.0	0.0	0.0
779.0000E 3	2.5523	0.01880	0.0	0.02280	0.18010	0.0	0.0	0.0	0.0
783.0000E 3	2.5472	0.01890	0.0	0.02290	0.16800	0.0	0.0	0.0	0.0
788.0000E 3	2.5408	0.01900	0.0	0.02300	0.14700	0.0	0.0	0.0	0.0
792.0000E 3	2.5358	0.01910	0.0	0.02310	0.15280	0.0	0.0	0.0	0.0
796.0000E 3	2.5307	0.01930	0.0	0.02330	0.16330	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.01990	0.0	0.02390	0.17360	0.0	0.0	0.0	0.0
804.0000E 3	2.5207	0.02090	0.0	0.02490	0.18400	0.0	0.0	0.0	0.0
808.0000E 3	2.5158	0.02210	0.0	0.02610	0.19400	0.0	0.0	0.0	0.0
813.0000E 3	2.5096	0.02380	0.0	0.02780	0.20700	0.0	0.0	0.0	0.0
817.0000E 3	2.5047	0.02530	0.0	0.02930	0.21750	0.0	0.0	0.0	0.0
821.0000E 3	2.4998	0.02670	0.0	0.03070	0.22500	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
825.0000E 3	2.4950	3.64000	3.60800	2.87691	0.00400	0.0	0.0	0.0	0.00400
829.0000E 3	2.4901	3.33000	3.29670	2.66571	0.00400	0.0	0.0	0.0	0.00400
834.0000E 3	2.4841	2.80000	2.76490	2.27799	0.00400	0.0	0.0	0.0	0.00400
838.0000E 3	2.4793	2.50000	2.46360	2.05951	0.00400	0.0	0.0	0.0	0.00400
842.0000E 3	2.4746	2.70000	2.66220	2.25062	0.00400	0.0	0.0	0.0	0.00400
846.0000E 3	2.4698	2.90000	2.86090	2.44512	0.00400	0.0	0.0	0.0	0.00400
850.0000E 3	2.4651	2.63000	2.58950	2.24546	0.00400	0.0	0.0	0.0	0.00400
855.0000E 3	2.4592	2.40000	2.35810	2.08048	0.00400	0.0	0.0	0.0	0.00400
859.0000E 3	2.4546	2.26000	2.21650	1.98183	0.00400	0.0	0.0	0.0	0.00400
863.0000E 3	2.4499	3.04000	2.99600	2.69396	0.00400	0.0	0.0	0.0	0.00400
867.0000E 3	2.4453	3.74000	3.69520	3.35053	0.00400	0.0	0.0	0.0	0.00400
871.0000E 3	2.4407	4.34000	4.29460	3.93072	0.00400	0.0	0.0	0.0	0.00400
875.0000E 3	2.4361	4.03000	3.98390	3.69057	0.00400	0.0	0.0	0.0	0.00400
879.0000E 3	2.4316	2.82000	2.77330	2.61145	0.00400	0.0	0.0	0.0	0.00400
884.0000E 3	2.4259	2.70000	2.65200	2.54088	0.00400	0.0	0.0	0.0	0.00400
888.0000E 3	2.4214	2.69000	2.64090	2.47081	0.00400	0.0	0.0	0.0	0.00400
892.0000E 3	2.4169	2.99000	2.94020	2.66364	0.00400	0.0	0.0	0.0	0.00400
894.0000E 3	2.4146	3.50000	3.45000	3.06530	0.00400	0.0	0.0	0.0	0.00400
896.0000E 3	2.4124	4.10000	4.04990	3.53301	0.00400	0.0	0.0	0.0	0.00400
900.0000E 3	2.4079	4.75000	4.69950	3.95578	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
825.0000E 3	2.4950	0.02800	0.0	0.03200	0.21150	0.0	0.0	0.0	0.0
829.0000E 3	2.4901	0.02930	0.0	0.03330	0.20150	0.0	0.0	0.0	0.0
834.0000E 3	2.4841	0.03110	0.0	0.03510	0.18880	0.0	0.0	0.0	0.0
838.0000E 3	2.4793	0.03240	0.0	0.03640	0.17880	0.0	0.0	0.0	0.0
842.0000E 3	2.4746	0.03380	0.0	0.03780	0.16880	0.0	0.0	0.0	0.0
846.0000E 3	2.4698	0.03510	0.0	0.03910	0.15900	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.03650	0.0	0.04050	0.14850	0.0	0.0	0.0	0.0
855.0000E 3	2.4592	0.03790	0.0	0.04190	0.13550	0.0	0.0	0.0	0.0
859.0000E 3	2.4546	0.03950	0.0	0.04350	0.12550	0.0	0.0	0.0	0.0
863.0000E 3	2.4499	0.04000	0.0	0.04400	0.11550	0.0	0.0	0.0	0.0
867.0000E 3	2.4453	0.04080	0.0	0.04480	0.10540	0.0	0.0	0.0	0.0
871.0000E 3	2.4407	0.04140	0.0	0.04540	0.09530	0.0	0.0	0.0	0.0
875.0000E 3	2.4361	0.04210	0.0	0.04610	0.08520	0.0	0.0	0.0	0.0
879.0000E 3	2.4316	0.04270	0.0	0.04670	0.07520	0.0	0.0	0.0	0.0
884.0000E 3	2.4259	0.04400	0.0	0.04800	0.06000	0.0	0.0	0.0	0.0
888.0000E 3	2.4214	0.04510	0.0	0.04910	0.08300	0.0	0.0	0.0	0.0
892.0000E 3	2.4169	0.04580	0.0	0.04980	0.11100	0.0	0.0	0.0	0.0
894.0000E 3	2.4146	0.04600	0.0	0.05000	0.12600	0.0	0.0	0.0	0.0
896.0000E 3	2.4124	0.04610	0.0	0.05010	0.14000	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.04650	0.0	0.05050	0.16900	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 14

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
902.0000E 3	2.4057	5.35000	5.29930	4.38023	0.00400	0.0	0.0	0.0	0.00400
905.0000E 3	2.4024	4.80000	4.74880	3.83124	0.00400	0.0	0.0	0.0	0.00400
910.0000E 3	2.3969	3.95000	3.89820	3.06121	0.00400	0.0	0.0	0.0	0.00400
914.0000E 3	2.3925	3.39000	3.33760	2.56561	0.00400	0.0	0.0	0.0	0.00400
918.0000E 3	2.3881	2.98000	2.92710	2.20139	0.00400	0.0	0.0	0.0	0.00400
924.0000E 3	2.3816	2.84000	2.78630	2.01943	0.00400	0.0	0.0	0.0	0.00400
930.0000E 3	2.3752	2.50000	2.44550	1.71010	0.00400	0.0	0.0	0.0	0.00400
935.0000E 3	2.3698	2.52000	2.46490	1.66468	0.00400	0.0	0.0	0.0	0.00400
941.0000E 3	2.3634	2.56000	2.50410	1.63348	0.00400	0.0	0.0	0.0	0.00400
945.0000E 3	2.3592	2.10000	2.04350	1.48286	0.00400	0.0	0.0	0.0	0.00400
949.0000E 3	2.3549	2.06000	2.00300	1.55925	0.00400	0.0	0.0	0.0	0.00400
953.0000E 3	2.3507	1.93000	1.87250	1.56299	0.00400	0.0	0.0	0.0	0.00400
957.0000E 3	2.3465	1.90000	1.84200	1.63475	0.00400	0.0	0.0	0.0	0.00400
964.0000E 3	2.3392	2.40000	2.34120	2.30167	0.00400	0.0	0.0	0.0	0.00400
970.0000E 3	2.3330	2.74000	2.68050	2.56738	0.00400	0.0	0.0	0.0	0.00400
976.0000E 3	2.3269	3.50000	3.43980	3.18423	0.00400	0.0	0.0	0.0	0.00400
980.0000E 3	2.3228	3.53000	3.46930	3.14491	0.00400	0.0	0.0	0.0	0.00400
985.0000E 3	2.3177	3.20000	3.13880	2.77940	0.00400	0.0	0.0	0.0	0.00400
990.0000E 3	2.3126	3.05000	2.98820	2.58324	0.00400	0.0	0.0	0.0	0.00400
995.0000E 3	2.3076	2.85000	2.78750	2.35048	0.00400	0.0	0.0	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
902.0000E 3	2.4057	0.04670	0.0	0.05070	0.18300	0.0	0.0	0.0	0.0
905.0000E 3	2.4024	0.04720	0.0	0.05120	0.20400	0.0	0.0	0.0	0.0
910.0000E 3	2.3969	0.04780	0.0	0.05180	0.22800	0.0	0.0	0.0	0.0
914.0000E 3	2.3925	0.04840	0.0	0.05240	0.24700	0.0	0.0	0.0	0.0
918.0000E 3	2.3881	0.04890	0.0	0.05290	0.26600	0.0	0.0	0.0	0.0
924.0000E 3	2.3816	0.04970	0.0	0.05370	0.29450	0.0	0.0	0.0	0.0
930.0000E 3	2.3752	0.05050	0.0	0.05450	0.32300	0.0	0.0	0.0	0.0
935.0000E 3	2.3698	0.05110	0.0	0.05510	0.34700	0.0	0.0	0.0	0.0
941.0000E 3	2.3634	0.05190	0.0	0.05590	0.37000	0.0	0.0	0.0	0.0
945.0000E 3	2.3592	0.05250	0.0	0.05650	0.30200	0.0	0.0	0.0	0.0
949.0000E 3	2.3549	0.05300	0.0	0.05700	0.25000	0.0	0.0	0.0	0.0
953.0000E 3	2.3507	0.05350	0.0	0.05750	0.19600	0.0	0.0	0.0	0.0
957.0000E 3	2.3465	0.05400	0.0	0.05800	0.14400	0.0	0.0	0.0	0.0
964.0000E 3	2.3392	0.05480	0.0	0.05880	0.04200	0.0	0.0	0.0	0.0
970.0000E 3	2.3330	0.05550	0.0	0.05950	0.06440	0.0	0.0	0.0	0.0
976.0000E 3	2.3269	0.05620	0.0	0.06020	0.09180	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.05670	0.0	0.06070	0.11100	0.0	0.0	0.0	0.0
985.0000E 3	2.3177	0.05720	0.0	0.06120	0.13400	0.0	0.0	0.0	0.0
990.0000E 3	2.3126	0.05780	0.0	0.06180	0.15620	0.0	0.0	0.0	0.0
995.0000E 3	2.3076	0.05850	0.0	0.06250	0.17920	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
999.0000E 3	2.3036	3.05000	2.98710	2.46154	0.00400	0.0	0.0	0.0	0.00400
1.0040E 6	2.2986	2.90000	2.83640	2.27457	0.00400	0.0	0.0	0.0	0.00400
1.0070E 6	2.2956	2.98000	2.91600	2.29766	0.00400	0.0	0.0	0.0	0.00400
1.0110E 6	2.2916	2.80000	2.73550	2.12433	0.00400	0.0	0.0	0.0	0.00400
1.0150E 6	2.2877	2.93000	2.86500	2.27162	0.00400	0.0	0.0	0.0	0.00400
1.0210E 6	2.2818	2.37000	2.30440	1.88838	0.00400	0.0	0.0	0.0	0.00400
1.0250E 6	2.2779	2.08000	2.01370	1.68592	0.00400	0.0	0.0	0.0	0.00400
1.0300E 6	2.2730	2.08000	2.01160	1.71992	0.00400	0.0	0.0	0.0	0.00400
1.0340E 6	2.2692	2.25000	2.17930	1.88998	0.00390	0.0	0.0	0.0	0.00390
1.0380E 6	2.2653	1.98000	1.90650	1.69021	0.00390	0.0	0.0	0.0	0.00390
1.0420E 6	2.2614	2.19000	2.11410	1.89614	0.00390	0.0	0.0	0.0	0.00390
1.0460E 6	2.2576	2.53000	2.45150	2.22356	0.00390	0.0	0.0	0.0	0.00390
1.0500E 6	2.2538	2.35000	2.26890	2.09588	0.00390	0.0	0.0	0.0	0.00390
1.0550E 6	2.2490	2.74000	2.65570	2.40804	0.00390	0.0	0.0	0.0	0.00390
1.0610E 6	2.2434	3.21000	3.12180	2.77295	0.00380	0.0	0.0	0.0	0.00380
1.0650E 6	2.2396	3.14000	3.05030	2.68368	0.00380	0.0	0.0	0.0	0.00380
1.0710E 6	2.2340	2.56000	2.46770	2.15431	0.00380	0.0	0.0	0.0	0.00380
1.0750E 6	2.2303	2.62000	2.52630	2.17941	0.00370	0.0	0.0	0.0	0.00370
1.0790E 6	2.2266	2.90000	2.80480	2.38336	0.00370	0.0	0.0	0.0	0.00370
1.0850E 6	2.2210	3.21000	3.11210	2.58882	0.00370	0.0	0.0	0.0	0.00370

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
999.0000E 3	2.3036	0.05890	0.0	0.06290	0.19700	0.0	0.0	0.0	0.0
1.0040E 6	2.2986	0.05960	0.0	0.06360	0.22050	0.0	0.0	0.0	0.0
1.0070E 6	2.2956	0.06000	0.0	0.06400	0.23400	0.0	0.0	0.0	0.0
1.0110E 6	2.2916	0.06050	0.0	0.06450	0.24700	0.0	0.0	0.0	0.0
1.0150E 6	2.2877	0.06100	0.0	0.06500	0.22980	0.0	0.0	0.0	0.0
1.0210E 6	2.2818	0.06160	0.0	0.06560	0.20900	0.0	0.0	0.0	0.0
1.0250E 6	2.2779	0.06230	0.0	0.06630	0.19570	0.0	0.0	0.0	0.0
1.0300E 6	2.2730	0.06440	0.0	0.06840	0.17900	0.0	0.0	0.0	0.0
1.0340E 6	2.2692	0.06680	0.0	0.07070	0.16520	0.0	0.0	0.0	0.0
1.0380E 6	2.2653	0.06960	0.0	0.07350	0.15200	0.0	0.0	0.0	0.0
1.0420E 6	2.2614	0.07200	0.0	0.07590	0.13900	0.0	0.0	0.0	0.0
1.0460E 6	2.2576	0.07460	0.0	0.07850	0.12500	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.07720	0.0	0.08110	0.11200	0.0	0.0	0.0	0.0
1.0550E 6	2.2490	0.08040	0.0	0.08430	0.12500	0.0	0.0	0.0	0.0
1.0610E 6	2.2434	0.08440	0.0	0.08820	0.14000	0.0	0.0	0.0	0.0
1.0650E 6	2.2396	0.08590	0.0	0.08970	0.14960	0.0	0.0	0.0	0.0
1.0710E 6	2.2340	0.08850	0.0	0.09230	0.16440	0.0	0.0	0.0	0.0
1.0750E 6	2.2303	0.09000	0.0	0.09370	0.17440	0.0	0.0	0.0	0.0
1.0790E 6	2.2266	0.09150	0.0	0.09520	0.18420	0.0	0.0	0.0	0.0
1.0850E 6	2.2210	0.09420	0.0	0.09790	0.19960	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 16

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0900E 6	2.2164	3.32000	3.22020	2.63796	0.00370	0.0	0.0	0.0	0.00370
1.0940E 6	2.2127	3.38000	3.27870	2.65344	0.00360	0.0	0.0	0.0	0.00360
1.1000E 6	2.2073	3.10000	2.99750	2.38959	0.00360	0.0	0.0	0.0	0.00360
1.1030E 6	2.2046	3.15000	3.04670	2.43037	0.00360	0.0	0.0	0.0	0.00360
1.1050E 6	2.2027	2.78000	2.67610	2.14898	0.00360	0.0	0.0	0.0	0.00360
1.1100E 6	2.1982	2.87000	2.76520	2.22073	0.00360	0.0	0.0	0.0	0.00360
1.1140E 6	2.1946	2.90000	2.79440	2.24667	0.00360	0.0	0.0	0.0	0.00360
1.1200E 6	2.1893	3.27000	3.16350	2.53449	0.00350	0.0	0.0	0.0	0.00350
1.1250E 6	2.1848	3.19000	3.08290	2.47631	0.00350	0.0	0.0	0.0	0.00350
1.1300E 6	2.1804	3.30000	3.19250	2.56477	0.00350	0.0	0.0	0.0	0.00350
1.1350E 6	2.1760	2.55000	2.44200	1.98981	0.00350	0.0	0.0	0.0	0.00350
1.1390E 6	2.1724	2.48000	2.37150	1.93859	0.00350	0.0	0.0	0.0	0.00350
1.1430E 6	2.1689	2.27000	2.16100	1.77816	0.00350	0.0	0.0	0.0	0.00350
1.1470E 6	2.1654	2.50000	2.39060	1.95805	0.00350	0.0	0.0	0.0	0.00350
1.1510E 6	2.1620	2.66000	2.55020	2.08927	0.00350	0.0	0.0	0.0	0.00350
1.1550E 6	2.1585	2.88000	2.76970	2.28091	0.00350	0.0	0.0	0.0	0.00350
1.1590E 6	2.1550	2.87000	2.75940	2.29273	0.00350	0.0	0.0	0.0	0.00350
1.1630E 6	2.1516	2.50000	2.38900	2.01742	0.00350	0.0	0.0	0.0	0.00350
1.1670E 6	2.1481	2.23000	2.11860	1.81814	0.00350	0.0	0.0	0.0	0.00350
1.1710E 6	2.1447	2.06000	1.94820	1.69530	0.00350	0.0	0.0	0.0	0.00350

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0900E 6	2.2164	0.09610	0.0	0.09980	0.21180	0.0	0.0	0.0	0.0
1.0940E 6	2.2127	0.09770	0.0	0.10130	0.22160	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.09890	0.0	0.10250	0.23700	0.0	0.0	0.0	0.0
1.1030E 6	2.2046	0.09970	0.0	0.10330	0.23620	0.0	0.0	0.0	0.0
1.1050E 6	2.2027	0.10030	0.0	0.10390	0.23580	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	0.10120	0.0	0.10480	0.23480	0.0	0.0	0.0	0.0
1.1140E 6	2.1946	0.10200	0.0	0.10560	0.23380	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	0.10300	0.0	0.10650	0.23250	0.0	0.0	0.0	0.0
1.1250E 6	2.1848	0.10360	0.0	0.10710	0.23150	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	0.10400	0.0	0.10750	0.23030	0.0	0.0	0.0	0.0
1.1350E 6	2.1760	0.10450	0.0	0.10800	0.22940	0.0	0.0	0.0	0.0
1.1390E 6	2.1724	0.10500	0.0	0.10850	0.22830	0.0	0.0	0.0	0.0
1.1430E 6	2.1689	0.10550	0.0	0.10900	0.22760	0.0	0.0	0.0	0.0
1.1470E 6	2.1654	0.10590	0.0	0.10940	0.22670	0.0	0.0	0.0	0.0
1.1510E 6	2.1620	0.10630	0.0	0.10980	0.22380	0.0	0.0	0.0	0.0
1.1550E 6	2.1585	0.10680	0.0	0.11030	0.21630	0.0	0.0	0.0	0.0
1.1590E 6	2.1550	0.10710	0.0	0.11060	0.20920	0.0	0.0	0.0	0.0
1.1630E 6	2.1516	0.10750	0.0	0.11100	0.20200	0.0	0.0	0.0	0.0
1.1670E 6	2.1481	0.10790	0.0	0.11140	0.19440	0.0	0.0	0.0	0.0
1.1710E 6	2.1447	0.10830	0.0	0.11180	0.18720	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1750E 6	2.1413	2.26000	2.14780	1.87340	0.00350	0.0	0.0	0.0	0.00350
1.1790E 6	2.1379	2.15000	2.03750	1.79853	0.00350	0.0	0.0	0.0	0.00350
1.1860E 6	2.1320	2.20000	2.08720	1.86667	0.00340	0.0	0.0	0.0	0.00340
1.1920E 6	2.1270	2.13000	2.01680	1.82930	0.00340	0.0	0.0	0.0	0.00340
1.1960E 6	2.1236	1.80000	1.68640	1.56154	0.00340	0.0	0.0	0.0	0.00340
1.2000E 6	2.1203	1.95000	1.83630	1.70394	0.00340	0.0	0.0	0.0	0.00340
1.2040E 6	2.1169	2.03000	1.91600	1.78322	0.00340	0.0	0.0	0.0	0.00340
1.2060E 6	2.1153	2.32000	2.20590	2.04228	0.00340	0.0	0.0	0.0	0.00340
1.2500E 6	2.0794	3.43000	3.31380	3.20798	0.00330	0.0	0.0	0.0	0.00330
1.2800E 6	2.0557	3.27000	3.15320	2.85819	0.00320	0.0	0.0	0.0	0.00320
1.3000E 6	2.0402	3.17000	3.05250	2.64497	0.00310	0.0	0.0	0.0	0.00310
1.3500E 6	2.0025	2.94000	2.82200	2.31352	0.00300	0.0	0.0	0.0	0.00300
1.4000E 6	1.9661	2.24000	2.12050	2.00675	0.00290	0.0	0.0	0.0	0.00290
1.4500E 6	1.9310	3.11000	2.86430	2.34237	0.00280	0.0	0.0	0.0	0.00280
1.5000E 6	1.8971	2.51000	2.15840	1.93802	0.00270	0.0	0.0	0.0	0.00270
1.5600E 6	1.8579	2.95000	2.53460	2.21243	0.00260	0.0	0.0	0.0	0.00260
1.6300E 6	1.8140	2.78000	2.28350	2.08353	0.00240	0.0	0.0	0.0	0.00240
1.7200E 6	1.7603	2.72000	2.13760	2.08577	0.00230	0.0	0.0	0.0	0.00230
1.8000E 6	1.7148	3.08000	2.45000	2.32295	0.00220	0.0	0.0	0.0	0.00220
1.9000E 6	1.6607	3.73000	3.04130	2.72820	0.00210	0.0	0.0	0.0	0.00210

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1750E 6	2.1413	0.10870	0.0	0.11220	0.18000	0.0	0.0	0.0	0.0
1.1790E 6	2.1379	0.10900	0.0	0.11250	0.17250	0.0	0.0	0.0	0.0
1.1860E 6	2.1320	0.10940	0.0	0.11280	0.15970	0.0	0.0	0.0	0.0
1.1920E 6	2.1270	0.10980	0.0	0.11320	0.14910	0.0	0.0	0.0	0.0
1.1960E 6	2.1236	0.11020	0.0	0.11360	0.14140	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.11030	0.0	0.11370	0.13400	0.0	0.0	0.0	0.0
1.2040E 6	2.1169	0.11060	0.0	0.11400	0.12880	0.0	0.0	0.0	0.0
1.2060E 6	2.1153	0.11070	0.0	0.11410	0.12590	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.11290	0.0	0.11620	0.06700	0.0	0.0	0.0	0.0
1.2800E 6	2.0557	0.11360	0.0	0.11680	0.13060	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.11440	0.0	0.11750	0.17200	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.11500	0.0	0.11800	0.22200	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.11660	0.0	0.11950	0.11000	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.24290	0.0	0.24570	0.26800	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.34890	0.0	0.35160	0.26500	0.0	0.0	0.0	0.0
1.5600E 6	1.8579	0.41280	0.0	0.41540	0.29100	0.0	0.0	0.0	0.0
1.6300E 6	1.8140	0.49410	0.0	0.49650	0.30500	0.0	0.0	0.0	0.0
1.7200E 6	1.7603	0.58010	0.0	0.58240	0.29670	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.62780	0.0	0.63000	0.30900	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.68660	0.0	0.68870	0.32940	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 18

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.0000E 6	1.6094	4.14000	3.39300	2.95483	0.00200	0.0	0.0	0.0	0.00200
2.1000E 6	1.5606	4.26000	3.45230	3.03789	0.00190	0.0	0.0	0.0	0.00190
2.2000E 6	1.5141	3.83000	2.97010	2.76463	0.00180	0.0	0.0	0.0	0.00180
2.3000E 6	1.4697	2.71000	1.82310	2.04712	0.00170	0.0	0.0	0.0	0.00170
2.3500E 6	1.4482	3.53000	2.63620	2.56515	0.00170	0.0	0.0	0.0	0.00170
2.4000E 6	1.4271	4.35000	3.44560	3.05377	0.00170	0.0	0.0	0.0	0.00170
2.4100E 6	1.4230	3.83000	2.92310	2.72448	0.00170	0.0	0.0	0.0	0.00170
2.4230E 6	1.4176	3.85000	2.94060	2.72993	0.00170	0.0	0.0	0.0	0.00170
2.4370E 6	1.4118	3.87000	2.95820	2.73494	0.00170	0.0	0.0	0.0	0.00170
2.4500E 6	1.4065	4.34000	3.42580	3.01627	0.00170	0.0	0.0	0.0	0.00170
2.4640E 6	1.4008	4.24000	3.32390	2.94634	0.00170	0.0	0.0	0.0	0.00170
2.4770E 6	1.3955	4.12000	3.20200	2.86514	0.00170	0.0	0.0	0.0	0.00170
2.4900E 6	1.3903	3.87000	2.95040	2.70577	0.00160	0.0	0.0	0.0	0.00160
2.5030E 6	1.3851	3.61000	2.68850	2.54213	0.00160	0.0	0.0	0.0	0.00160
2.5160E 6	1.3799	3.41000	2.48720	2.41537	0.00160	0.0	0.0	0.0	0.00160
2.5290E 6	1.3748	3.27000	2.34680	2.32541	0.00160	0.0	0.0	0.0	0.00160
2.5420E 6	1.3696	3.20000	2.27620	2.27768	0.00160	0.0	0.0	0.0	0.00160
2.5560E 6	1.3641	3.63000	2.70590	2.52599	0.00160	0.0	0.0	0.0	0.00160
2.5700E 6	1.3587	3.43000	2.50510	2.40065	0.00160	0.0	0.0	0.0	0.00160
2.5830E 6	1.3536	3.41000	2.48480	2.38254	0.00160	0.0	0.0	0.0	0.00160

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.0000E 6	1.6094	0.74500	0.0	0.74700	0.34930	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.80580	0.0	0.80770	0.35400	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.85810	0.0	0.85990	0.35870	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.88520	0.0	0.88690	0.36360	0.0	0.0	0.0	0.0
2.3500E 6	1.4482	0.89210	0.0	0.89380	0.36600	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.90270	0.0	0.90440	0.37620	0.0	0.0	0.0	0.0
2.4100E 6	1.4230	0.90520	0.0	0.90690	0.37820	0.0	0.0	0.0	0.0
2.4230E 6	1.4176	0.90770	0.0	0.90940	0.38090	0.0	0.0	0.0	0.0
2.4370E 6	1.4118	0.91010	0.0	0.91180	0.38370	0.0	0.0	0.0	0.0
2.4500E 6	1.4065	0.91250	0.0	0.91420	0.38640	0.0	0.0	0.0	0.0
2.4640E 6	1.4008	0.91440	0.0	0.91610	0.38920	0.0	0.0	0.0	0.0
2.4770E 6	1.3955	0.91630	0.0	0.91800	0.39190	0.0	0.0	0.0	0.0
2.4900E 6	1.3903	0.91800	0.0	0.91960	0.39460	0.0	0.0	0.0	0.0
2.5030E 6	1.3851	0.91990	0.0	0.92150	0.39720	0.0	0.0	0.0	0.0
2.5160E 6	1.3799	0.92120	0.0	0.92280	0.39990	0.0	0.0	0.0	0.0
2.5290E 6	1.3748	0.92160	0.0	0.92320	0.40250	0.0	0.0	0.0	0.0
2.5420E 6	1.3696	0.92220	0.0	0.92380	0.40520	0.0	0.0	0.0	0.0
2.5560E 6	1.3641	0.92250	0.0	0.92410	0.40800	0.0	0.0	0.0	0.0
2.5700E 6	1.3587	0.92330	0.0	0.92490	0.41090	0.0	0.0	0.0	0.0
2.5830E 6	1.3536	0.92360	0.0	0.92520	0.41350	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5970E 6	1.3482	3.41000	2.48410	2.37562	0.00160	0.0	0.0	0.0	0.00160
2.6110E 6	1.3429	3.71000	2.78490	2.54257	0.00150	0.0	0.0	0.0	0.00150
2.6250E 6	1.3375	3.77000	2.84550	2.56891	0.00150	0.0	0.0	0.0	0.00150
2.6380E 6	1.3326	3.74000	2.81620	2.54396	0.00150	0.0	0.0	0.0	0.00150
2.6520E 6	1.3273	3.69000	2.76700	2.50683	0.00150	0.0	0.0	0.0	0.00150
2.6660E 6	1.3220	3.69000	2.76760	2.49883	0.00150	0.0	0.0	0.0	0.00150
2.6810E 6	1.3164	3.84000	2.91280	2.57730	0.00150	0.0	0.0	0.0	0.00150
2.6960E 6	1.3108	3.89000	2.95740	2.59880	0.00150	0.0	0.0	0.0	0.00150
2.7100E 6	1.3056	3.87000	2.93740	2.57931	0.00150	0.0	0.0	0.0	0.00150
2.7240E 6	1.3005	3.69000	2.75730	2.47045	0.00150	0.0	0.0	0.0	0.00150
2.7390E 6	1.2950	3.59000	2.65730	2.40670	0.00150	0.0	0.0	0.0	0.00150
2.7540E 6	1.2895	3.36000	2.42760	2.27146	0.00140	0.0	0.0	0.0	0.00140
2.7690E 6	1.2841	3.75000	2.81740	2.47823	0.00140	0.0	0.0	0.0	0.00140
2.7840E 6	1.2787	3.89000	2.95760	2.54577	0.00140	0.0	0.0	0.0	0.00140
2.8000E 6	1.2730	3.94000	3.00750	2.56317	0.00140	0.0	0.0	0.0	0.00140
2.8160E 6	1.2673	3.74000	2.80480	2.44699	0.00140	0.0	0.0	0.0	0.00140
2.8320E 6	1.2616	3.62000	2.68210	2.37470	0.00140	0.0	0.0	0.0	0.00140
2.8480E 6	1.2560	3.76000	2.81980	2.44146	0.00140	0.0	0.0	0.0	0.00140
2.8640E 6	1.2504	3.61000	2.66710	2.35433	0.00140	0.0	0.0	0.0	0.00140
2.8800E 6	1.2448	3.67000	2.72470	2.37822	0.00140	0.0	0.0	0.0	0.00140

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5970E 6	1.3482	0.92430	0.0	0.92590	0.41640	0.0	0.0	0.0	0.0
2.6110E 6	1.3429	0.92360	0.0	0.92510	0.41920	0.0	0.0	0.0	0.0
2.6250E 6	1.3375	0.92300	0.0	0.92450	0.42210	0.0	0.0	0.0	0.0
2.6380E 6	1.3326	0.92230	0.0	0.92380	0.42470	0.0	0.0	0.0	0.0
2.6520E 6	1.3273	0.92150	0.0	0.92300	0.42760	0.0	0.0	0.0	0.0
2.6660E 6	1.3220	0.92090	0.0	0.92240	0.43040	0.0	0.0	0.0	0.0
2.6810E 6	1.3164	0.92570	0.0	0.92720	0.43350	0.0	0.0	0.0	0.0
2.6960E 6	1.3108	0.93110	0.0	0.93260	0.43660	0.0	0.0	0.0	0.0
2.7100E 6	1.3056	0.93110	0.0	0.93260	0.43940	0.0	0.0	0.0	0.0
2.7240E 6	1.3005	0.93120	0.0	0.93270	0.44230	0.0	0.0	0.0	0.0
2.7390E 6	1.2950	0.93120	0.0	0.93270	0.44530	0.0	0.0	0.0	0.0
2.7540E 6	1.2895	0.93100	0.0	0.93240	0.44840	0.0	0.0	0.0	0.0
2.7690E 6	1.2841	0.93120	0.0	0.93260	0.45140	0.0	0.0	0.0	0.0
2.7840E 6	1.2787	0.93100	0.0	0.93240	0.45450	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.93110	0.0	0.93250	0.45780	0.0	0.0	0.0	0.0
2.8160E 6	1.2673	0.93380	0.0	0.93520	0.46100	0.0	0.0	0.0	0.0
2.8320E 6	1.2616	0.93650	0.0	0.93790	0.46430	0.0	0.0	0.0	0.0
2.8480E 6	1.2560	0.93880	0.0	0.94020	0.46760	0.0	0.0	0.0	0.0
2.8640E 6	1.2504	0.94150	0.0	0.94290	0.47080	0.0	0.0	0.0	0.0
2.8800E 6	1.2448	0.94390	0.0	0.94530	0.47410	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 20

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.8950E 6	1.2396	3.66000	2.71200	2.36610	0.00140	0.0	0.0	0.0	0.00140
2.9110E 6	1.2341	3.69000	2.74890	2.36943	0.00130	0.0	0.0	0.0	0.00130
2.9270E 6	1.2286	3.45000	2.51590	2.23306	0.00130	0.0	0.0	0.0	0.00130
2.9440E 6	1.2228	3.46000	2.53260	2.22637	0.00130	0.0	0.0	0.0	0.00130
2.9600E 6	1.2174	3.51000	2.58930	2.24021	0.00130	0.0	0.0	0.0	0.00130
2.9760E 6	1.2120	3.55000	2.63630	2.24846	0.00130	0.0	0.0	0.0	0.00130
2.9930E 6	1.2063	3.44000	2.53330	2.18070	0.00130	0.0	0.0	0.0	0.00130
3.0100E 6	1.2006	3.56000	2.66070	2.22805	0.00130	0.0	0.0	0.0	0.00130
3.0280E 6	1.1947	3.54000	2.62680	2.21530	0.00130	0.0	0.0	0.0	0.00130
3.0460E 6	1.1888	3.70000	2.76280	2.29677	0.00130	0.0	0.0	0.0	0.00130
3.0640E 6	1.1829	3.60000	2.64660	2.24600	0.00130	0.0	0.0	0.0	0.00130
3.0810E 6	1.1773	3.63000	2.66790	2.25576	0.00130	0.0	0.0	0.0	0.00130
3.0980E 6	1.1718	3.44000	2.47430	2.15708	0.00130	0.0	0.0	0.0	0.00130
3.1160E 6	1.1660	3.45000	2.48050	2.15468	0.00120	0.0	0.0	0.0	0.00120
3.1340E 6	1.1603	3.55000	2.57840	2.19402	0.00120	0.0	0.0	0.0	0.00120
3.1520E 6	1.1545	3.65000	2.67740	2.23205	0.00120	0.0	0.0	0.0	0.00120
3.1710E 6	1.1485	3.77000	2.79690	2.27813	0.00120	0.0	0.0	0.0	0.00120
3.1900E 6	1.1426	3.58000	2.60760	2.17894	0.00120	0.0	0.0	0.0	0.00120
3.2000E 6	1.1394	3.75000	2.77700	2.25200	0.00120	0.0	0.0	0.0	0.00120
3.2090E 6	1.1366	3.81000	2.83480	2.27581	0.00120	0.0	0.0	0.0	0.00120

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.8950E 6	1.2396	0.94660	0.0	0.94800	0.47710	0.0	0.0	0.0	0.0
2.9110E 6	1.2341	0.93980	0.0	0.94110	0.48040	0.0	0.0	0.0	0.0
2.9270E 6	1.2286	0.93280	0.0	0.93410	0.48370	0.0	0.0	0.0	0.0
2.9440E 6	1.2228	0.92610	0.0	0.92740	0.48710	0.0	0.0	0.0	0.0
2.9600E 6	1.2174	0.91940	0.0	0.92070	0.49040	0.0	0.0	0.0	0.0
2.9760E 6	1.2120	0.91240	0.0	0.91370	0.49370	0.0	0.0	0.0	0.0
2.9930E 6	1.2063	0.90540	0.0	0.90670	0.49710	0.0	0.0	0.0	0.0
3.0100E 6	1.2006	0.89800	0.0	0.89930	0.50060	0.0	0.0	0.0	0.0
3.0280E 6	1.1947	0.91190	0.0	0.91320	0.50430	0.0	0.0	0.0	0.0
3.0460E 6	1.1888	0.93590	0.0	0.93720	0.50790	0.0	0.0	0.0	0.0
3.0640E 6	1.1829	0.95210	0.0	0.95340	0.51160	0.0	0.0	0.0	0.0
3.0810E 6	1.1773	0.96080	0.0	0.96210	0.51510	0.0	0.0	0.0	0.0
3.0980E 6	1.1718	0.96440	0.0	0.96570	0.51850	0.0	0.0	0.0	0.0
3.1160E 6	1.1660	0.96830	0.0	0.96950	0.52220	0.0	0.0	0.0	0.0
3.1340E 6	1.1603	0.97040	0.0	0.97160	0.52590	0.0	0.0	0.0	0.0
3.1520E 6	1.1545	0.97140	0.0	0.97260	0.52960	0.0	0.0	0.0	0.0
3.1710E 6	1.1485	0.97190	0.0	0.97310	0.53340	0.0	0.0	0.0	0.0
3.1900E 6	1.1426	0.97120	0.0	0.97240	0.53730	0.0	0.0	0.0	0.0
3.2000E 6	1.1394	0.97200	0.0	0.97320	0.53930	0.0	0.0	0.0	0.0
3.2090E 6	1.1366	0.97400	0.0	0.97520	0.54120	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.2280E 6	1.1307	3.75000	2.77180	2.23909	0.00120	0.0	0.0	0.0	0.00120
3.2470E 6	1.1249	3.61000	2.62880	2.16705	0.00120	0.0	0.0	0.0	0.00120
3.2670E 6	1.1187	3.62000	2.63380	2.16351	0.00120	0.0	0.0	0.0	0.00120
3.2870E 6	1.1126	3.74000	2.74680	2.20976	0.00120	0.0	0.0	0.0	0.00120
3.3070E 6	1.1065	3.78000	2.76880	2.22615	0.00120	0.0	0.0	0.0	0.00120
3.3270E 6	1.1005	3.61000	2.58880	2.14681	0.00120	0.0	0.0	0.0	0.00120
3.3470E 6	1.0945	3.60000	2.56180	2.14157	0.00120	0.0	0.0	0.0	0.00120
3.3670E 6	1.0886	3.82000	2.76680	2.23352	0.00120	0.0	0.0	0.0	0.00120
3.3870E 6	1.0826	3.83000	2.76380	2.23391	0.00120	0.0	0.0	0.0	0.00120
3.4070E 6	1.0768	3.83000	2.75080	2.23013	0.00120	0.0	0.0	0.0	0.00120
3.4280E 6	1.0706	3.92000	2.82980	2.26230	0.00120	0.0	0.0	0.0	0.00120
3.4480E 6	1.0648	3.80000	2.69480	2.21034	0.00120	0.0	0.0	0.0	0.00120
3.4690E 6	1.0587	3.91000	2.79080	2.25171	0.00120	0.0	0.0	0.0	0.00120
3.4900E 6	1.0527	3.89000	2.76080	2.23766	0.00120	0.0	0.0	0.0	0.00120
3.5120E 6	1.0464	3.95000	2.80390	2.25925	0.00110	0.0	0.0	0.0	0.00110
3.5340E 6	1.0402	3.84000	2.68690	2.20771	0.00110	0.0	0.0	0.0	0.00110
3.5570E 6	1.0337	3.68000	2.51390	2.14099	0.00110	0.0	0.0	0.0	0.00110
3.5800E 6	1.0272	3.61000	2.43690	2.10692	0.00110	0.0	0.0	0.0	0.00110
3.6030E 6	1.0208	3.60000	2.41790	2.09728	0.00110	0.0	0.0	0.0	0.00110
3.6260E 6	1.0145	3.63000	2.43890	2.10276	0.00110	0.0	0.0	0.0	0.00110

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.2280E 6	1.1307	0.97700	0.0	0.97820	0.54510	0.0	0.0	0.0	0.0
3.2470E 6	1.1249	0.98000	0.0	0.98120	0.54890	0.0	0.0	0.0	0.0
3.2670E 6	1.1187	0.98500	0.0	0.98620	0.55300	0.0	0.0	0.0	0.0
3.2870E 6	1.1126	0.99200	0.0	0.99320	0.55710	0.0	0.0	0.0	0.0
3.3070E 6	1.1065	1.01000	0.0	1.01120	0.56120	0.0	0.0	0.0	0.0
3.3270E 6	1.1005	1.02000	0.0	1.02120	0.56520	0.0	0.0	0.0	0.0
3.3470E 6	1.0945	1.03700	0.0	1.03820	0.56930	0.0	0.0	0.0	0.0
3.3670E 6	1.0886	1.05200	0.0	1.05320	0.57340	0.0	0.0	0.0	0.0
3.3870E 6	1.0826	1.06500	0.0	1.06620	0.57750	0.0	0.0	0.0	0.0
3.4070E 6	1.0768	1.07800	0.0	1.07920	0.58160	0.0	0.0	0.0	0.0
3.4280E 6	1.0706	1.08900	0.0	1.09020	0.58580	0.0	0.0	0.0	0.0
3.4480E 6	1.0648	1.10400	0.0	1.10520	0.58990	0.0	0.0	0.0	0.0
3.4690E 6	1.0587	1.11800	0.0	1.11920	0.59420	0.0	0.0	0.0	0.0
3.4900E 6	1.0527	1.12800	0.0	1.12920	0.59850	0.0	0.0	0.0	0.0
3.5120E 6	1.0464	1.14500	0.0	1.14610	0.60300	0.0	0.0	0.0	0.0
3.5340E 6	1.0402	1.15200	0.0	1.15310	0.60750	0.0	0.0	0.0	0.0
3.5570E 6	1.0337	1.16500	0.0	1.16610	0.61220	0.0	0.0	0.0	0.0
3.5800E 6	1.0272	1.17200	0.0	1.17310	0.61680	0.0	0.0	0.0	0.0
3.6030E 6	1.0208	1.18100	0.0	1.18210	0.62150	0.0	0.0	0.0	0.0
3.6260E 6	1.0145	1.19000	0.0	1.19110	0.62620	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 22

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.6490E 6	1.0081	3.66000	2.46190	2.10679	0.00110	0.0	0.0	0.0	0.00110
3.6720E 6	1.0018	3.77000	2.56690	2.13848	0.00110	0.0	0.0	0.0	0.00110
3.6960E 6	0.9953	3.77000	2.55890	2.13102	0.00110	0.0	0.0	0.0	0.00110
3.7200E 6	0.9889	3.85000	2.63200	2.15131	0.00100	0.0	0.0	0.0	0.00100
3.7440E 6	0.9824	3.72000	2.49600	2.09685	0.00100	0.0	0.0	0.0	0.00100
3.7680E 6	0.9760	3.62000	2.38700	2.05604	0.00100	0.0	0.0	0.0	0.00100
3.7920E 6	0.9697	3.54000	2.30200	2.02045	0.00100	0.0	0.0	0.0	0.00100
3.8200E 6	0.9623	3.72000	2.47700	2.07081	0.00100	0.0	0.0	0.0	0.00100
3.8400E 6	0.9571	3.72000	2.47300	2.06334	0.00100	0.0	0.0	0.0	0.00100
3.8700E 6	0.9493	3.58000	2.32800	2.00627	0.00100	0.0	0.0	0.0	0.00100
3.8900E 6	0.9442	3.68000	2.42300	2.03212	0.00100	0.0	0.0	0.0	0.00100
3.9200E 6	0.9365	3.58000	2.31800	1.98939	0.00100	0.0	0.0	0.0	0.00100
3.9400E 6	0.9314	3.64000	2.37400	2.00123	0.00100	0.0	0.0	0.0	0.00100
3.9700E 6	0.9238	3.59000	2.31900	1.97505	0.00100	0.0	0.0	0.0	0.00100
3.9900E 6	0.9188	3.77000	2.49580	2.02169	0.00100	0.0	0.00010	0.00010	0.00120
4.0200E 6	0.9113	3.71000	2.43180	1.99558	0.00100	0.0	0.00010	0.00010	0.00120
4.0500E 6	0.9039	3.73000	2.44780	1.99598	0.00100	0.0	0.00010	0.00010	0.00120
4.0700E 6	0.8989	3.82000	2.53480	2.01852	0.00100	0.0	0.00010	0.00010	0.00120
4.1000E 6	0.8916	3.86000	2.57180	2.02373	0.00100	0.0	0.00010	0.00010	0.00120
4.1200E 6	0.8867	3.82000	2.52880	2.00938	0.00100	0.0	0.00010	0.00010	0.00120

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.6490E 6	1.0081	1.19700	0.0	1.19810	0.63090	0.0	0.0	0.0	0.0
3.6720E 6	1.0018	1.20200	0.0	1.20310	0.63560	0.0	0.0	0.0	0.0
3.6960E 6	0.9953	1.21000	0.0	1.21110	0.64050	0.0	0.0	0.0	0.0
3.7200E 6	0.9889	1.21700	0.0	1.21800	0.64540	0.0	0.0	0.0	0.0
3.7440E 6	0.9824	1.22300	0.0	1.22400	0.65030	0.0	0.0	0.0	0.0
3.7680E 6	0.9760	1.23200	0.0	1.23300	0.65520	0.0	0.0	0.0	0.0
3.7920E 6	0.9697	1.23700	0.0	1.23800	0.66010	0.0	0.0	0.0	0.0
3.8200E 6	0.9623	1.24200	0.0	1.24300	0.66580	0.0	0.0	0.0	0.0
3.8400E 6	0.9571	1.24600	0.0	1.24700	0.66990	0.0	0.0	0.0	0.0
3.8700E 6	0.9493	1.25100	0.0	1.25200	0.67600	0.0	0.0	0.0	0.0
3.8900E 6	0.9442	1.25600	0.0	1.25700	0.68010	0.0	0.0	0.0	0.0
3.9200E 6	0.9365	1.26100	0.0	1.26200	0.68620	0.0	0.0	0.0	0.0
3.9400E 6	0.9314	1.26500	0.0	1.26600	0.69030	0.0	0.0	0.0	0.0
3.9700E 6	0.9238	1.27000	0.0	1.27100	0.69640	0.0	0.0	0.0	0.0
3.9900E 6	0.9188	1.27300	0.0	1.27420	0.70050	0.0	0.0	0.0	0.0
4.0200E 6	0.9113	1.27700	0.0	1.27820	0.70500	0.0	0.0	0.0	0.0
4.0500E 6	0.9039	1.28100	0.0	1.28220	0.70840	0.0	0.0	0.0	0.0
4.0700E 6	0.8989	1.28400	0.0	1.28520	0.71070	0.0	0.0	0.0	0.0
4.1000E 6	0.8916	1.28700	0.0	1.28820	0.71400	0.0	0.0	0.0	0.0
4.1200E 6	0.8867	1.29000	0.0	1.29120	0.71600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.1500E 6	0.8795	3.73000	2.43580	1.97842	0.00100	0.0	0.00010	0.00010	0.00120
4.1800E 6	0.8723	3.76000	2.46370	1.98121	0.00100	0.0	0.00020	0.00010	0.00130
4.2100E 6	0.8651	3.64000	2.34070	1.94323	0.00100	0.0	0.00020	0.00010	0.00130
4.2400E 6	0.8580	3.76000	2.45770	1.97178	0.00100	0.0	0.00020	0.00010	0.00130
4.2700E 6	0.8510	3.72000	2.41580	1.95598	0.00090	0.0	0.00020	0.00010	0.00120
4.2900E 6	0.8463	3.76000	2.45380	1.96406	0.00090	0.0	0.00020	0.00010	0.00120
4.3200E 6	0.8393	3.66000	2.35180	1.93284	0.00090	0.0	0.00020	0.00010	0.00120
4.3500E 6	0.8324	3.70000	2.38960	1.93910	0.00090	0.0	0.00030	0.00020	0.00140
4.3800E 6	0.8255	3.73000	2.41860	1.94217	0.00090	0.0	0.00030	0.00020	0.00140
4.4200E 6	0.8164	3.79000	2.47660	1.95212	0.00090	0.0	0.00030	0.00020	0.00140
4.4500E 6	0.8097	3.86000	2.54460	1.96631	0.00090	0.0	0.00030	0.00020	0.00140
4.4700E 6	0.8052	3.80000	2.47960	1.95121	0.00090	0.0	0.00030	0.00020	0.00140
4.5000E 6	0.7985	3.77000	2.45360	1.93569	0.00090	0.0	0.00030	0.00020	0.00140
4.5400E 6	0.7897	3.71000	2.39160	1.91606	0.00090	0.0	0.00030	0.00020	0.00140
4.5700E 6	0.7831	3.73000	2.41060	1.91723	0.00090	0.0	0.00030	0.00020	0.00140
4.6000E 6	0.7765	3.75000	2.42960	1.91881	0.00090	0.0	0.00030	0.00020	0.00140
4.6400E 6	0.7679	3.73000	2.40960	1.90834	0.00090	0.0	0.00030	0.00020	0.00140
4.6700E 6	0.7614	3.73000	2.40960	1.90425	0.00090	0.0	0.00030	0.00020	0.00140
4.7100E 6	0.7529	3.72000	2.39960	1.89678	0.00090	0.0	0.00030	0.00020	0.00140
4.7500E 6	0.7444	3.74000	2.41950	1.89658	0.00090	0.0	0.00040	0.00020	0.00150

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.1500E 6	0.8795	1.29300	0.0	1.29420	0.71910	0.0	0.0	0.0	0.0
4.1800E 6	0.8723	1.29500	0.0	1.29630	0.72200	0.0	0.0	0.0	0.0
4.2100E 6	0.8651	1.29800	0.0	1.29930	0.72490	0.0	0.0	0.0	0.0
4.2400E 6	0.8580	1.30100	0.0	1.30230	0.72760	0.0	0.0	0.0	0.0
4.2700E 6	0.8510	1.30300	0.0	1.30420	0.73020	0.0	0.0	0.0	0.0
4.2900E 6	0.8463	1.30500	0.0	1.30620	0.73190	0.0	0.0	0.0	0.0
4.3200E 6	0.8393	1.30700	0.0	1.30820	0.73440	0.0	0.0	0.0	0.0
4.3500E 6	0.8324	1.30900	0.0	1.31040	0.73690	0.0	0.0	0.0	0.0
4.3800E 6	0.8255	1.31000	0.0	1.31140	0.73920	0.0	0.0	0.0	0.0
4.4200E 6	0.8164	1.31200	0.0	1.31340	0.74210	0.0	0.0	0.0	0.0
4.4500E 6	0.8097	1.31400	0.0	1.31540	0.74420	0.0	0.0	0.0	0.0
4.4700E 6	0.8052	1.31900	0.0	1.32040	0.74560	0.0	0.0	0.0	0.0
4.5000E 6	0.7985	1.31500	0.0	1.31640	0.74760	0.0	0.0	0.0	0.0
4.5400E 6	0.7897	1.31700	0.0	1.31840	0.75010	0.0	0.0	0.0	0.0
4.5700E 6	0.7831	1.31800	0.0	1.31940	0.75200	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	1.31900	0.0	1.32040	0.75370	0.0	0.0	0.0	0.0
4.6400E 6	0.7679	1.31900	0.0	1.32040	0.75600	0.0	0.0	0.0	0.0
4.6700E 6	0.7614	1.31900	0.0	1.32040	0.75770	0.0	0.0	0.0	0.0
4.7100E 6	0.7529	1.31900	0.0	1.32040	0.75980	0.0	0.0	0.0	0.0
4.7500E 6	0.7444	1.31900	0.0	1.32050	0.76190	0.0	0.0	0.0	0.0

MATERIAL CR CR -CS- 24

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.7800E 6	0.7381	3.69000	2.36960	1.88105	0.00080	0.0	0.00040	0.00020	0.00140
4.8100E 6	0.7319	3.77000	2.44960	1.89655	0.00080	0.0	0.00040	0.00020	0.00140
4.8400E 6	0.7257	3.82000	2.50060	1.90404	0.00080	0.0	0.00040	0.00020	0.00140
4.8800E 6	0.7174	3.78000	2.46060	1.89026	0.00080	0.0	0.00040	0.00020	0.00140
4.9200E 6	0.7093	3.71000	2.39160	1.86895	0.00080	0.0	0.00040	0.00020	0.00140
4.9500E 6	0.7032	3.67000	2.35360	1.85514	0.00080	0.0	0.00040	0.00020	0.00140
4.9900E 6	0.6951	3.60000	2.28560	1.83392	0.00080	0.0	0.00040	0.00020	0.00140
5.0300E 6	0.6872	3.56000	2.24840	1.81929	0.00080	0.0	0.00050	0.00030	0.00160
5.0600E 6	0.6812	3.65000	2.34030	1.83533	0.00080	0.0	0.00060	0.00030	0.00170
5.0900E 6	0.6753	3.60000	2.29200	1.82026	0.00080	0.0	0.00080	0.00040	0.00200
5.1300E 6	0.6675	3.75000	2.44380	1.84872	0.00080	0.0	0.00090	0.00050	0.00220
5.1700E 6	0.6597	3.68000	2.37550	1.82854	0.00080	0.0	0.00110	0.00060	0.00250
5.2100E 6	0.6520	3.78000	2.47730	1.84548	0.00080	0.0	0.00120	0.00070	0.00270
5.2500E 6	0.6444	3.72000	2.42000	1.82708	0.00080	0.0	0.00140	0.00080	0.00300
5.2900E 6	0.6368	3.64000	2.34200	1.80500	0.00070	0.0	0.00160	0.00090	0.00320
5.3300E 6	0.6292	3.62000	2.32370	1.79636	0.00070	0.0	0.00170	0.00090	0.00330
5.3700E 6	0.6218	3.60000	2.30540	1.78796	0.00070	0.0	0.00190	0.00100	0.00360
5.4200E 6	0.6125	3.73000	2.43700	1.81086	0.00070	0.0	0.00210	0.00120	0.00400
5.4600E 6	0.6051	3.66000	2.36890	1.79165	0.00070	0.0	0.00220	0.00120	0.00410
5.5000E 6	0.5978	3.67000	2.38060	1.78956	0.00070	0.0	0.00240	0.00130	0.00440

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.7800E 6	0.7381	1.31900	0.0	1.32040	0.76340	0.0	0.0	0.0	0.0
4.8100E 6	0.7319	1.31900	0.0	1.32040	0.76480	0.0	0.0	0.0	0.0
4.8400E 6	0.7257	1.31800	0.0	1.31940	0.76620	0.0	0.0	0.0	0.0
4.8800E 6	0.7174	1.31800	0.0	1.31940	0.76800	0.0	0.0	0.0	0.0
4.9200E 6	0.7093	1.31700	0.0	1.31840	0.76980	0.0	0.0	0.0	0.0
4.9500E 6	0.7032	1.31500	0.0	1.31640	0.77110	0.0	0.0	0.0	0.0
4.9900E 6	0.6951	1.31300	0.0	1.31440	0.77270	0.0	0.0	0.0	0.0
5.0300E 6	0.6872	1.31000	0.0	1.31160	0.77420	0.0	0.0	0.0	0.0
5.0600E 6	0.6812	1.30800	0.0	1.30970	0.77540	0.0	0.0	0.0	0.0
5.0900E 6	0.6753	1.30600	0.0	1.30800	0.77650	0.0	0.0	0.0	0.0
5.1300E 6	0.6675	1.30400	0.0	1.30620	0.77800	0.0	0.0	0.0	0.0
5.1700E 6	0.6597	1.30200	0.0	1.30450	0.77940	0.0	0.0	0.0	0.0
5.2100E 6	0.6520	1.30000	0.0	1.30270	0.78090	0.0	0.0	0.0	0.0
5.2500E 6	0.6444	1.29700	0.0	1.30000	0.78220	0.0	0.0	0.0	0.0
5.2900E 6	0.6368	1.29500	0.0	1.29800	0.78350	0.0	0.0	0.0	0.0
5.3300E 6	0.6292	1.29300	0.0	1.29630	0.78480	0.0	0.0	0.0	0.0
5.3700E 6	0.6218	1.29100	0.0	1.29460	0.78600	0.0	0.0	0.0	0.0
5.4200E 6	0.6125	1.28900	0.0	1.29300	0.78750	0.0	0.0	0.0	0.0
5.4600E 6	0.6051	1.28700	0.0	1.29110	0.78870	0.0	0.0	0.0	0.0
5.5000E 6	0.5978	1.28500	0.0	1.28940	0.78990	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.5400E 6	0.5906	3.74000	2.45330	1.79919	0.00070	0.0	0.00260	0.00140	0.00470
5.5800E 6	0.5834	3.70000	2.41510	1.78652	0.00070	0.0	0.00270	0.00150	0.00490
5.6300E 6	0.5745	3.66000	2.37780	1.77250	0.00070	0.0	0.00290	0.00160	0.00520
5.6700E 6	0.5674	3.56000	2.27950	1.74803	0.00070	0.0	0.00310	0.00170	0.00550
5.7200E 6	0.5586	3.56000	2.28220	1.74291	0.00070	0.0	0.00330	0.00180	0.00580
5.7700E 6	0.5499	3.56000	2.28390	1.73882	0.00070	0.0	0.00350	0.00190	0.00610
5.8200E 6	0.5413	3.53000	2.25660	1.72788	0.00070	0.0	0.00370	0.00200	0.00640
5.8600E 6	0.5344	3.69000	2.41830	1.75633	0.00070	0.0	0.00390	0.00210	0.00670
5.9000E 6	0.5276	3.69000	2.42100	1.75199	0.00070	0.0	0.00410	0.00220	0.00700
5.9400E 6	0.5209	3.60000	2.33380	1.72969	0.00070	0.0	0.00420	0.00230	0.00720
5.9900E 6	0.5125	3.60000	2.33650	1.72473	0.00070	0.0	0.00440	0.00240	0.00750
6.0400E 6	0.5042	3.65000	2.38900	1.73068	0.00070	0.0	0.00470	0.00260	0.00800
6.0900E 6	0.4959	3.63000	2.37070	1.72348	0.00070	0.0	0.00490	0.00270	0.00830
6.1400E 6	0.4878	3.58000	2.32340	1.70943	0.00070	0.0	0.00510	0.00280	0.00860
6.1900E 6	0.4796	3.54000	2.28610	1.69740	0.00070	0.0	0.00530	0.00290	0.00890
6.2400E 6	0.4716	3.59000	2.33780	1.70363	0.00070	0.0	0.00550	0.00300	0.00920
6.2900E 6	0.4636	3.65000	2.40060	1.71104	0.00060	0.0	0.00570	0.00310	0.00940
6.3400E 6	0.4557	3.68000	2.43330	1.71268	0.00060	0.0	0.00590	0.00320	0.00970
6.4000E 6	0.4463	3.65000	2.40490	1.70323	0.00060	0.0	0.00610	0.00340	0.01010
6.4500E 6	0.4385	3.51000	2.26760	1.67234	0.00060	0.0	0.00630	0.00350	0.01040

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.5400E 6	0.5906	1.28200	0.0	1.28670	0.79110	0.0	0.0	0.0	0.0
5.5800E 6	0.5834	1.28000	0.0	1.28490	0.79230	0.0	0.0	0.0	0.0
5.6300E 6	0.5745	1.27700	0.0	1.28220	0.79380	0.0	0.0	0.0	0.0
5.6700E 6	0.5674	1.27500	0.0	1.28050	0.79490	0.0	0.0	0.0	0.0
5.7200E 6	0.5586	1.27200	0.0	1.27780	0.79620	0.0	0.0	0.0	0.0
5.7700E 6	0.5499	1.27000	0.0	1.27610	0.79740	0.0	0.0	0.0	0.0
5.8200E 6	0.5413	1.26700	0.0	1.27340	0.79860	0.0	0.0	0.0	0.0
5.8600E 6	0.5344	1.26500	0.0	1.27170	0.79960	0.0	0.0	0.0	0.0
5.9000E 6	0.5276	1.26200	0.0	1.26900	0.80050	0.0	0.0	0.0	0.0
5.9400E 6	0.5209	1.25900	0.0	1.26620	0.80140	0.0	0.0	0.0	0.0
5.9900E 6	0.5125	1.25600	0.0	1.26350	0.80260	0.0	0.0	0.0	0.0
6.0400E 6	0.5042	1.25300	0.0	1.26100	0.80340	0.0	0.0	0.0	0.0
6.0900E 6	0.4959	1.25100	0.0	1.25930	0.80420	0.0	0.0	0.0	0.0
6.1400E 6	0.4878	1.24800	0.0	1.25660	0.80510	0.0	0.0	0.0	0.0
6.1900E 6	0.4796	1.24500	0.0	1.25390	0.80600	0.0	0.0	0.0	0.0
6.2400E 6	0.4716	1.24300	0.0	1.25220	0.80690	0.0	0.0	0.0	0.0
6.2900E 6	0.4636	1.24000	0.0	1.24940	0.80770	0.0	0.0	0.0	0.0
6.3400E 6	0.4557	1.23700	0.0	1.24670	0.80850	0.0	0.0	0.0	0.0
6.4000E 6	0.4463	1.23500	0.0	1.24510	0.80950	0.0	0.0	0.0	0.0
6.4500E 6	0.4385	1.23200	0.0	1.24240	0.81040	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 26

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.5100E 6	0.4292	3.48000	2.24020	1.66230	0.00060	0.0	0.00660	0.00360	0.01080
6.5600E 6	0.4216	3.56000	2.32260	1.67335	0.00060	0.0	0.00700	0.00380	0.01140
6.6200E 6	0.4125	3.61000	2.37480	1.67858	0.00060	0.0	0.00750	0.00410	0.01220
6.6700E 6	0.4050	3.58000	2.34620	1.66972	0.00060	0.0	0.00790	0.00430	0.01280
6.7300E 6	0.3960	3.61000	2.37840	1.67137	0.00060	0.0	0.00840	0.00460	0.01360
6.7800E 6	0.3886	3.43000	2.20080	1.63415	0.00060	0.0	0.00880	0.00480	0.01420
6.8400E 6	0.3798	3.56000	2.33200	1.65476	0.00060	0.0	0.00930	0.00510	0.01500
6.9000E 6	0.3711	3.49000	2.26420	1.63788	0.00060	0.0	0.00980	0.00540	0.01580
6.9600E 6	0.3624	3.54000	2.31660	1.64270	0.00060	0.0	0.01020	0.00560	0.01640
7.0200E 6	0.3538	3.57000	2.34880	1.64422	0.00060	0.0	0.01070	0.00590	0.01720
7.0800E 6	0.3453	3.45000	2.23000	1.61895	0.00060	0.0	0.01120	0.00620	0.01800
7.1400E 6	0.3369	3.33000	2.11240	1.59340	0.00060	0.0	0.01160	0.00640	0.01860
7.2200E 6	0.3257	3.41000	2.19450	1.60305	0.00060	0.0	0.01220	0.00670	0.01950
7.2900E 6	0.3161	3.48000	2.26580	1.61139	0.00050	0.0	0.01270	0.00700	0.02020
7.3600E 6	0.3065	3.46000	2.24810	1.60329	0.00050	0.0	0.01320	0.00720	0.02090
7.4200E 6	0.2984	3.52000	2.31030	1.60961	0.00050	0.0	0.01370	0.00750	0.02170
7.4900E 6	0.2890	3.40000	2.19250	1.58439	0.00050	0.0	0.01420	0.00780	0.02250
7.5500E 6	0.2810	3.39000	2.18460	1.57787	0.00050	0.0	0.01480	0.00810	0.02340
7.6100E 6	0.2731	3.35000	2.14560	1.56744	0.00050	0.0	0.01540	0.00850	0.02440
7.6800E 6	0.2640	3.39000	2.18740	1.56986	0.00050	0.0	0.01620	0.00890	0.02560

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.5100E 6	0.4292	1.22900	0.0	1.23980	0.81140	0.0	0.0	0.0	0.0
6.5600E 6	0.4216	1.22600	0.0	1.23740	0.81230	0.0	0.0	0.0	0.0
6.6200E 6	0.4125	1.22300	0.0	1.23520	0.81330	0.0	0.0	0.0	0.0
6.6700E 6	0.4050	1.22100	0.0	1.23380	0.81420	0.0	0.0	0.0	0.0
6.7300E 6	0.3960	1.21800	0.0	1.23160	0.81510	0.0	0.0	0.0	0.0
6.7800E 6	0.3886	1.21500	0.0	1.22920	0.81600	0.0	0.0	0.0	0.0
6.8400E 6	0.3798	1.21300	0.0	1.22800	0.81700	0.0	0.0	0.0	0.0
6.9000E 6	0.3711	1.21000	0.0	1.22580	0.81800	0.0	0.0	0.0	0.0
6.9600E 6	0.3624	1.20700	0.0	1.22340	0.81900	0.0	0.0	0.0	0.0
7.0200E 6	0.3538	1.20400	0.0	1.22120	0.81990	0.0	0.0	0.0	0.0
7.0800E 6	0.3453	1.20200	0.0	1.22000	0.82110	0.0	0.0	0.0	0.0
7.1400E 6	0.3369	1.19900	0.0	1.21760	0.82210	0.0	0.0	0.0	0.0
7.2200E 6	0.3257	1.19600	0.0	1.21550	0.82340	0.0	0.0	0.0	0.0
7.2900E 6	0.3161	1.19400	0.0	1.21420	0.82470	0.0	0.0	0.0	0.0
7.3600E 6	0.3065	1.19100	0.0	1.21190	0.82590	0.0	0.0	0.0	0.0
7.4200E 6	0.2984	1.18800	0.0	1.20970	0.82690	0.0	0.0	0.0	0.0
7.4900E 6	0.2890	1.18500	0.0	1.20750	0.82810	0.0	0.0	0.0	0.0
7.5500E 6	0.2810	1.18200	0.0	1.20540	0.82950	0.0	0.0	0.0	0.0
7.6100E 6	0.2731	1.18000	0.0	1.20440	0.83080	0.0	0.0	0.0	0.0
7.6800E 6	0.2640	1.17700	0.0	1.20260	0.83210	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.7500E 6	0.2549	3.42000	2.21920	1.57052	0.00050	0.0	0.01700	0.00930	0.02680
7.8300E 6	0.2446	3.27000	2.06990	1.54184	0.00050	0.0	0.01780	0.00980	0.02810
7.9000E 6	0.2357	3.19000	1.99170	1.52494	0.00050	0.0	0.01860	0.01020	0.02930
7.9700E 6	0.2269	3.27000	2.07350	1.53427	0.00050	0.0	0.01940	0.01060	0.03050
8.0500E 6	0.2169	3.27000	2.07470	1.53078	0.00050	0.0	0.02050	0.01130	0.03230
8.1200E 6	0.2083	3.32000	2.12550	1.53607	0.00050	0.0	0.02160	0.01190	0.03400
8.1900E 6	0.1997	3.18000	1.98580	1.51153	0.00050	0.0	0.02260	0.01240	0.03550
8.2600E 6	0.1912	3.18000	1.98590	1.50986	0.00050	0.0	0.02370	0.01300	0.03720
8.3400E 6	0.1815	3.31000	2.11550	1.52875	0.00050	0.0	0.02490	0.01370	0.03910
8.4200E 6	0.1720	3.28000	2.08530	1.52251	0.00050	0.0	0.02610	0.01440	0.04100
8.5000E 6	0.1625	3.18000	1.98510	1.50537	0.00050	0.0	0.02720	0.01500	0.04270
8.5900E 6	0.1520	3.12000	1.92320	1.49586	0.00050	0.0	0.02930	0.01610	0.04590
8.6800E 6	0.1416	3.15000	1.95220	1.50000	0.00050	0.0	0.03140	0.01730	0.04920
8.7600E 6	0.1324	3.25000	2.05100	1.51526	0.00040	0.0	0.03320	0.01830	0.05190
8.8500E 6	0.1222	3.22000	2.02000	1.51047	0.00040	0.0	0.03530	0.01940	0.05510
8.9400E 6	0.1120	3.18000	1.97810	1.50495	0.00040	0.0	0.03740	0.02050	0.05830
9.0300E 6	0.1020	3.17000	1.96680	1.50373	0.00040	0.0	0.03970	0.02180	0.06190
9.1200E 6	0.0921	3.03000	1.82490	1.48340	0.00040	0.0	0.04240	0.02330	0.06610
9.2200E 6	0.0812	3.07000	1.86230	1.49114	0.00040	0.0	0.04540	0.02500	0.07080
9.3100E 6	0.0715	3.04000	1.82930	1.48894	0.00040	0.0	0.04810	0.02650	0.07500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.7500E 6	0.2549	1.17400	0.0	1.20080	0.83340	0.0	0.0	0.0	0.0
7.8300E 6	0.2446	1.17200	0.0	1.20010	0.83490	0.0	0.0	0.0	0.0
7.9000E 6	0.2357	1.16900	0.0	1.19830	0.83600	0.0	0.0	0.0	0.0
7.9700E 6	0.2269	1.16600	0.0	1.19650	0.83710	0.0	0.0	0.0	0.0
8.0500E 6	0.2169	1.16300	0.0	1.19530	0.83830	0.0	0.0	0.0	0.0
8.1200E 6	0.2083	1.16000	0.00050	1.19450	0.83930	0.0	0.0	0.0	0.0
8.1900E 6	0.1997	1.15700	0.00170	1.19420	0.84020	0.0	0.0	0.0	0.0
8.2600E 6	0.1912	1.15400	0.00290	1.19410	0.84100	0.0	0.0	0.0	0.0
8.3400E 6	0.1815	1.15100	0.00440	1.19450	0.84200	0.0	0.0	0.0	0.0
8.4200E 6	0.1720	1.14800	0.00570	1.19470	0.84280	0.0	0.0	0.0	0.0
8.5000E 6	0.1625	1.14500	0.00720	1.19490	0.84360	0.0	0.0	0.0	0.0
8.5900E 6	0.1520	1.14200	0.00890	1.19680	0.84450	0.0	0.0	0.0	0.0
8.6800E 6	0.1416	1.13800	0.01060	1.19780	0.84520	0.0	0.0	0.0	0.0
8.7600E 6	0.1324	1.13500	0.01210	1.19900	0.84580	0.0	0.0	0.0	0.0
8.8500E 6	0.1222	1.13100	0.01390	1.20000	0.84630	0.0	0.0	0.0	0.0
8.9400E 6	0.1120	1.12800	0.01560	1.20190	0.84680	0.0	0.0	0.0	0.0
9.0300E 6	0.1020	1.12400	0.01730	1.20320	0.84720	0.0	0.0	0.0	0.0
9.1200E 6	0.0921	1.12000	0.01900	1.20510	0.84750	0.0	0.0	0.0	0.0
9.2200E 6	0.0812	1.11600	0.02090	1.20770	0.84780	0.0	0.0	0.0	0.0
9.3100E 6	0.0715	1.11300	0.02270	1.21070	0.84790	0.0	0.0	0.0	0.0

MATERIAL CR

CR -CS- 28

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.4000E 6	0.0619	2.95000	1.73730	1.47677	0.00040	0.0	0.05090	0.02800	0.07930
9.5000E 6	0.0513	2.97000	1.75490	1.48167	0.00040	0.0	0.05380	0.02960	0.08380
9.6000E 6	0.0408	2.98000	1.76100	1.48650	0.00040	0.0	0.05710	0.03150	0.08900
9.6900E 6	0.0315	2.92000	1.69870	1.47933	0.00040	0.0	0.06030	0.03310	0.09380
9.7800E 6	0.0222	2.83000	1.60540	1.46846	0.00040	0.0	0.06330	0.03480	0.09850
9.8800E 6	0.0121	2.88000	1.65220	1.47893	0.00040	0.0	0.06680	0.03680	0.10400
9.9800E 6	0.0020	2.87000	1.63840	1.48080	0.00040	0.0	0.07010	0.03860	0.10910
10.0000E 6	0.0000	2.86000	1.63010	1.47784	0.00040	0.0	0.07070	0.03890	0.11000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.4000E 6	0.0619	1.10900	0.02440	1.21270	0.84800	0.0	0.0	0.0	0.0
9.5000E 6	0.0513	1.10500	0.02630	1.21510	0.84810	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	1.10200	0.02800	1.21900	0.84810	0.0	0.0	0.0	0.0
9.6900E 6	0.0315	1.09800	0.02950	1.22130	0.84810	0.0	0.0	0.0	0.0
9.7800E 6	0.0222	1.09500	0.03110	1.22460	0.84810	0.0	0.0	0.0	0.0
9.8800E 6	0.0121	1.09100	0.03280	1.22780	0.84800	0.0	0.0	0.0	0.0
9.9800E 6	0.0020	1.08800	0.03450	1.23160	0.84790	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	1.08500	0.03490	1.22990	0.84790	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	24.12600	11.40000	23.99034	12.72600	0.0	0.0	0.0	12.72600
1.5000E-3	22.6204	21.79000	11.40000	21.65434	10.39000	0.0	0.0	0.0	10.39000
2.0000E-3	22.3327	20.39800	11.40000	20.26234	8.99800	0.0	0.0	0.0	8.99800
2.5000E-3	22.1096	19.44800	11.40000	19.31234	8.04800	0.0	0.0	0.0	8.04800
3.0000E-3	21.9272	18.74700	11.40000	18.61134	7.34700	0.0	0.0	0.0	7.34700
4.0000E-3	21.6396	17.76300	11.40000	17.62734	6.36300	0.0	0.0	0.0	6.36300
5.0000E-3	21.4164	17.09100	11.40000	16.95534	5.69100	0.0	0.0	0.0	5.69100
6.0000E-3	21.2341	16.59500	11.40000	16.45934	5.19500	0.0	0.0	0.0	5.19500
7.0000E-3	21.0799	16.21000	11.40000	16.07434	4.81000	0.0	0.0	0.0	4.81000
8.0000E-3	20.9464	15.89900	11.40000	15.76334	4.49900	0.0	0.0	0.0	4.49900
9.0000E-3	20.8286	15.64200	11.40000	15.50634	4.24200	0.0	0.0	0.0	4.24200
10.0000E-3	20.7233	15.42420	11.40000	15.28854	4.02420	0.0	0.0	0.0	4.02420
15.0000E-3	20.3178	14.68580	11.40000	14.55014	3.28580	0.0	0.0	0.0	3.28580
20.0000E-3	20.0301	14.24550	11.40000	14.10980	2.84550	0.0	0.0	0.0	2.84550
25.3000E-3	19.7950	13.93000	11.40000	13.79430	2.53000	0.0	0.0	0.0	2.53000
30.0000E-3	19.6247	13.72340	11.40000	13.58770	2.32340	0.0	0.0	0.0	2.32340
40.0000E-3	19.3370	13.41210	11.40000	13.27640	2.01210	0.0	0.0	0.0	2.01210
50.0000E-3	19.1138	13.19970	11.40000	13.06400	1.79970	0.0	0.0	0.0	1.79970
60.0000E-3	18.9315	13.04290	11.40000	12.90720	1.64290	0.0	0.0	0.0	1.64290
70.0000E-3	18.7774	12.92100	11.40000	12.78530	1.52100	0.0	0.0	0.0	1.52100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	12.72600	0.01190	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	10.39000	0.01190	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	8.99800	0.01190	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	8.04800	0.01190	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	7.34700	0.01190	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	6.36300	0.01190	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	5.69100	0.01190	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	5.19500	0.01190	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	4.81000	0.01190	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	4.49900	0.01190	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	4.24200	0.01190	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	4.02420	0.01190	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	3.28580	0.01190	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	2.84550	0.01190	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	2.53000	0.01190	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	2.32340	0.01190	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	2.01210	0.01190	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	1.79970	0.01190	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	1.64290	0.01190	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	1.52100	0.01190	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 2

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	12.82280	11.40000	12.68710	1.42280	0.0	0.0	0.0	1.42280
90.0000E-3	18.5260	12.74140	11.40000	12.60570	1.34140	0.0	0.0	0.0	1.34140
100.0000E-3	18.4207	12.67260	11.40000	12.53690	1.27260	0.0	0.0	0.0	1.27260
150.0000E-3	18.0152	12.43900	11.40000	12.30330	1.03900	0.0	0.0	0.0	1.03900
200.0000E-3	17.7275	12.29980	11.40000	12.16410	0.89980	0.0	0.0	0.0	0.89980
250.0000E-3	17.5044	12.20480	11.40000	12.06910	0.80480	0.0	0.0	0.0	0.80480
300.0000E-3	17.3221	12.13470	11.40000	11.99900	0.73470	0.0	0.0	0.0	0.73470
400.0000E-3	17.0344	12.03630	11.40000	11.90060	0.63630	0.0	0.0	0.0	0.63630
500.0000E-3	16.8112	11.96910	11.40000	11.83340	0.56910	0.0	0.0	0.0	0.56910
600.0000E-3	16.6289	11.91950	11.40000	11.78380	0.51950	0.0	0.0	0.0	0.51950
700.0000E-3	16.4748	11.88100	11.40000	11.74530	0.48100	0.0	0.0	0.0	0.48100
800.0000E-3	16.3412	11.84990	11.40000	11.71420	0.44990	0.0	0.0	0.0	0.44990
900.0000E-3	16.2235	11.82420	11.40000	11.68850	0.42420	0.0	0.0	0.0	0.42420
1.0000E00	16.1181	11.80240	11.40000	11.66670	0.40240	0.0	0.0	0.0	0.40240
1.5000E00	15.7126	11.72860	11.40000	11.59290	0.32860	0.0	0.0	0.0	0.32860
2.0000E00	15.4249	11.68460	11.40000	11.54890	0.28460	0.0	0.0	0.0	0.28460
3.0000E00	15.0195	11.63230	11.40000	11.49660	0.23230	0.0	0.0	0.0	0.23230
4.0000E00	14.7318	11.60120	11.40000	11.46550	0.20120	0.0	0.0	0.0	0.20120
5.0000E00	14.5087	11.58000	11.40000	11.44430	0.18000	0.0	0.0	0.0	0.18000
7.0000E00	14.1722	11.55210	11.40000	11.41640	0.15210	0.0	0.0	0.0	0.15210

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	1.42280	0.01190	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	1.34140	0.01190	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	1.27260	0.01190	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	1.03900	0.01190	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.89980	0.01190	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.80480	0.01190	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.73470	0.01190	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	0.63630	0.01190	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.56910	0.01190	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.51950	0.01190	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.48100	0.01190	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.44990	0.01190	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.42420	0.01190	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.40240	0.01190	0.0	0.0	0.0	0.0
1.5000E00	15.7126	0.0	0.0	0.32860	0.01190	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.28460	0.01190	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.23230	0.01190	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.20120	0.01190	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.18000	0.01190	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.15210	0.01190	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.0000E00	13.8155	11.52730	11.40000	11.39160	0.12730	0.0	0.0	0.0	0.12730
15.0000E00	13.4100	11.50390	11.40000	11.36820	0.10390	0.0	0.0	0.0	0.10390
18.0000E00	13.2277	11.49600	11.40120	11.36033	0.09480	0.0	0.0	0.0	0.09480
20.0000E00	13.1224	11.49150	11.40150	11.35582	0.09000	0.0	0.0	0.0	0.09000
24.0000E00	12.9400	11.48550	11.40340	11.34980	0.08210	0.0	0.0	0.0	0.08210
28.0000E00	12.7859	11.48100	11.40500	11.34528	0.07600	0.0	0.0	0.0	0.07600
32.0000E00	12.6524	11.47900	11.40790	11.34325	0.07110	0.0	0.0	0.0	0.07110
36.0000E00	12.5346	11.47750	11.41040	11.34172	0.06710	0.0	0.0	0.0	0.06710
40.0000E00	12.4292	11.47550	11.41190	11.33970	0.06360	0.0	0.0	0.0	0.06360
50.0000E00	12.2061	11.47500	11.41810	11.33912	0.05690	0.0	0.0	0.0	0.05690
55.0000E00	12.1108	11.47200	11.41770	11.33613	0.05430	0.0	0.0	0.0	0.05430
60.0000E00	12.0238	11.46500	11.41300	11.32919	0.05200	0.0	0.0	0.0	0.05200
65.0000E00	11.9437	11.45800	11.40810	11.32224	0.04990	0.0	0.0	0.0	0.04990
70.0000E00	11.8696	11.45000	11.40190	11.31432	0.04810	0.0	0.0	0.0	0.04810
75.0000E00	11.8006	11.44800	11.40150	11.31232	0.04650	0.0	0.0	0.0	0.04650
80.0000E00	11.7361	11.44800	11.40300	11.31230	0.04500	0.0	0.0	0.0	0.04500
85.0000E00	11.6754	11.44650	11.40290	11.31081	0.04360	0.0	0.0	0.0	0.04360
90.0000E00	11.6183	11.44200	11.39960	11.30634	0.04240	0.0	0.0	0.0	0.04240
95.0000E00	11.5642	11.43950	11.39820	11.30386	0.04130	0.0	0.0	0.0	0.04130
100.0000E00	11.5129	11.43700	11.39680	11.30138	0.04020	0.0	0.0	0.0	0.04020

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.0000E00	13.8155	0.0	0.0	0.12730	0.01190	0.0	0.0	0.0	0.0
15.0000E00	13.4100	0.0	0.0	0.10390	0.01190	0.0	0.0	0.0	0.0
18.0000E00	13.2277	0.0	0.0	0.09480	0.01190	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.09000	0.01190	0.0	0.0	0.0	0.0
24.0000E00	12.9400	0.0	0.0	0.08210	0.01190	0.0	0.0	0.0	0.0
28.0000E00	12.7859	0.0	0.0	0.07600	0.01190	0.0	0.0	0.0	0.0
32.0000E00	12.6524	0.0	0.0	0.07110	0.01190	0.0	0.0	0.0	0.0
36.0000E00	12.5346	0.0	0.0	0.06710	0.01190	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	0.06360	0.01190	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.05690	0.01190	0.0	0.0	0.0	0.0
55.0000E00	12.1108	0.0	0.0	0.05430	0.01190	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.05200	0.01190	0.0	0.0	0.0	0.0
65.0000E00	11.9437	0.0	0.0	0.04990	0.01190	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.04810	0.01190	0.0	0.0	0.0	0.0
75.0000E00	11.8006	0.0	0.0	0.04650	0.01190	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.04500	0.01190	0.0	0.0	0.0	0.0
85.0000E00	11.6754	0.0	0.0	0.04360	0.01190	0.0	0.0	0.0	0.0
90.0000E00	11.6183	0.0	0.0	0.04240	0.01190	0.0	0.0	0.0	0.0
95.0000E00	11.5642	0.0	0.0	0.04130	0.01190	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.04020	0.01190	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 4

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
120.0000E00	11.3306	11.42550	11.38880	11.28997	0.03670	0.0	0.0	0.0	0.03670
140.0000E00	11.1765	11.40570	11.37170	11.27038	0.03400	0.0	0.0	0.0	0.03400
160.0000E00	11.0429	11.37400	11.34220	11.23903	0.03180	0.0	0.0	0.0	0.03180
180.0000E00	10.9251	11.33400	11.30400	11.19948	0.03000	0.0	0.0	0.0	0.03000
200.0000E00	10.8198	11.29400	11.26550	11.15994	0.02850	0.0	0.0	0.0	0.02850
220.0000E00	10.7245	11.24930	11.22220	11.11576	0.02710	0.0	0.0	0.0	0.02710
240.0000E00	10.6375	11.20350	11.17750	11.07049	0.02600	0.0	0.0	0.0	0.02600
260.0000E00	10.5574	11.15000	11.12500	11.01761	0.02500	0.0	0.0	0.0	0.02500
280.0000E00	10.4833	11.10000	11.07600	10.96820	0.02400	0.0	0.0	0.0	0.02400
300.0000E00	10.4143	11.05000	11.02680	10.91878	0.02320	0.0	0.0	0.0	0.02320
320.0000E00	10.3498	10.99000	10.96750	10.85949	0.02250	0.0	0.0	0.0	0.02250
340.0000E00	10.2892	10.94000	10.91820	10.81007	0.02180	0.0	0.0	0.0	0.02180
360.0000E00	10.2320	10.88000	10.85880	10.75078	0.02120	0.0	0.0	0.0	0.02120
380.0000E00	10.1779	10.82000	10.79940	10.69149	0.02060	0.0	0.0	0.0	0.02060
400.0000E00	10.1266	10.77000	10.74990	10.64208	0.02010	0.0	0.0	0.0	0.02010
450.0000E00	10.0088	10.62000	10.60100	10.49385	0.01900	0.0	0.0	0.0	0.01900
500.0000E00	9.9035	10.48000	10.46200	10.35550	0.01800	0.0	0.0	0.0	0.01800
550.0000E00	9.8082	10.34000	10.32280	10.21716	0.01720	0.0	0.0	0.0	0.01720
600.0000E00	9.7212	10.19000	10.17360	10.06893	0.01640	0.0	0.0	0.0	0.01640
650.0000E00	9.6411	10.05000	10.03420	9.93059	0.01580	0.0	0.0	0.0	0.01580

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
120.0000E00	11.3306	0.0	0.0	0.03670	0.01190	0.0	0.0	0.0	0.0
140.0000E00	11.1765	0.0	0.0	0.03400	0.01190	0.0	0.0	0.0	0.0
160.0000E00	11.0429	0.0	0.0	0.03180	0.01190	0.0	0.0	0.0	0.0
180.0000E00	10.9251	0.0	0.0	0.03000	0.01190	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.02850	0.01190	0.0	0.0	0.0	0.0
220.0000E00	10.7245	0.0	0.0	0.02710	0.01190	0.0	0.0	0.0	0.0
240.0000E00	10.6375	0.0	0.0	0.02600	0.01190	0.0	0.0	0.0	0.0
260.0000E00	10.5574	0.0	0.0	0.02500	0.01190	0.0	0.0	0.0	0.0
280.0000E00	10.4833	0.0	0.0	0.02400	0.01190	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.02320	0.01190	0.0	0.0	0.0	0.0
320.0000E00	10.3498	0.0	0.0	0.02250	0.01190	0.0	0.0	0.0	0.0
340.0000E00	10.2892	0.0	0.0	0.02180	0.01190	0.0	0.0	0.0	0.0
360.0000E00	10.2320	0.0	0.0	0.02120	0.01190	0.0	0.0	0.0	0.0
380.0000E00	10.1779	0.0	0.0	0.02060	0.01190	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.02010	0.01190	0.0	0.0	0.0	0.0
450.0000E00	10.0088	0.0	0.0	0.01900	0.01190	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.01800	0.01190	0.0	0.0	0.0	0.0
550.0000E00	9.8082	0.0	0.0	0.01720	0.01190	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.01640	0.01190	0.0	0.0	0.0	0.0
650.0000E00	9.6411	0.0	0.0	0.01580	0.01190	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 5

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
700.0000E00	9.5670	9.91000	9.89480	9.79225	0.01520	0.0	0.0	0.0	0.01520
750.0000E00	9.4980	9.77000	9.75530	9.65391	0.01470	0.0	0.0	0.0	0.01470
800.0000E00	9.4335	9.62000	9.60580	9.50569	0.01420	0.0	0.0	0.0	0.01420
850.0000E00	9.3729	9.48000	9.46620	9.36735	0.01380	0.0	0.0	0.0	0.01380
900.0000E00	9.3157	9.33000	9.31650	9.21913	0.01350	0.0	0.0	0.0	0.01350
950.0000E00	9.2616	9.19000	9.17640	9.08080	0.01360	0.0	0.0	0.0	0.01360
1.0000E 3	9.2103	8.92620	8.91220	8.82014	0.01400	0.0	0.0	0.0	0.01400
1.0500E 3	9.1616	8.74170	8.72170	8.63791	0.02000	0.0	0.0	0.0	0.02000
1.1000E 3	9.1150	8.76170	8.56170	8.65982	0.20000	0.0	0.0	0.0	0.20000
1.1400E 3	9.0793	12.34800	8.69800	12.24449	3.65000	0.0	0.0	0.0	3.65000
1.1500E 3	9.0706	15.78340	8.93340	15.67709	6.85000	0.0	0.0	0.0	6.85000
1.1600E 3	9.0619	10.30410	8.48410	10.20314	1.82000	0.0	0.0	0.0	1.82000
1.2000E 3	9.0280	8.30630	8.20630	8.20865	0.10000	0.0	0.0	0.0	0.10000
1.3000E 3	8.9480	8.11000	8.09550	8.01366	0.01450	0.0	0.0	0.0	0.01450
1.4000E 3	8.8739	7.87000	7.86650	7.77639	0.00350	0.0	0.0	0.0	0.00350
1.5000E 3	8.8049	7.65000	7.64680	7.55900	0.00320	0.0	0.0	0.0	0.00320
1.6000E 3	8.7403	7.44000	7.41560	7.35175	0.02440	0.0	0.0	0.0	0.02440
1.6200E 3	8.7279	7.40000	7.32830	7.31279	0.07170	0.0	0.0	0.0	0.07170
1.6400E 3	8.7156	7.36000	7.25400	7.27368	0.10600	0.0	0.0	0.0	0.10600
1.7000E 3	8.6797	7.24000	7.21000	7.15420	0.03000	0.0	0.0	0.0	0.03000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
700.0000E00	9.5670	0.0	0.0	0.01520	0.01190	0.0	0.0	0.0	0.0
750.0000E00	9.4980	0.0	0.0	0.01470	0.01190	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.01420	0.01190	0.0	0.0	0.0	0.0
850.0000E00	9.3729	0.0	0.0	0.01380	0.01190	0.0	0.0	0.0	0.0
900.0000E00	9.3157	0.0	0.0	0.01350	0.01190	0.0	0.0	0.0	0.0
950.0000E00	9.2616	0.0	0.0	0.01360	0.01190	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.01400	0.01190	0.0	0.0	0.0	0.0
1.0500E 3	9.1616	0.0	0.0	0.02000	0.01190	0.0	0.0	0.0	0.0
1.1000E 3	9.1150	0.0	0.0	0.20000	0.01190	0.0	0.0	0.0	0.0
1.1400E 3	9.0793	0.0	0.0	3.65000	0.01190	0.0	0.0	0.0	0.0
1.1500E 3	9.0706	0.0	0.0	6.85000	0.01190	0.0	0.0	0.0	0.0
1.1600E 3	9.0619	0.0	0.0	1.82000	0.01190	0.0	0.0	0.0	0.0
1.2000E 3	9.0280	0.0	0.0	0.10000	0.01190	0.0	0.0	0.0	0.0
1.3000E 3	8.9480	0.0	0.0	0.01450	0.01190	0.0	0.0	0.0	0.0
1.4000E 3	8.8739	0.0	0.0	0.00350	0.01190	0.0	0.0	0.0	0.0
1.5000E 3	8.8049	0.0	0.0	0.00320	0.01190	0.0	0.0	0.0	0.0
1.6000E 3	8.7403	0.0	0.0	0.02440	0.01190	0.0	0.0	0.0	0.0
1.6200E 3	8.7279	0.0	0.0	0.07170	0.01190	0.0	0.0	0.0	0.0
1.6400E 3	8.7156	0.0	0.0	0.10600	0.01190	0.0	0.0	0.0	0.0
1.7000E 3	8.6797	0.0	0.0	0.03000	0.01190	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 6

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.8000E 3	8.6226	7.05000	7.04530	6.96616	0.00470	0.0	0.0	0.0	0.00470
1.9000E 3	8.5685	6.87000	6.86630	6.78829	0.00370	0.0	0.0	0.0	0.00370
2.0000E 3	8.5172	6.69000	6.68650	6.61043	0.00350	0.0	0.0	0.0	0.00350
2.2000E 3	8.4219	6.35000	6.34670	6.27447	0.00330	0.0	0.0	0.0	0.00330
2.4000E 3	8.3349	6.03000	6.02650	5.95828	0.00350	0.0	0.0	0.0	0.00350
2.6000E 3	8.2548	5.72000	5.71590	5.65198	0.00410	0.0	0.0	0.0	0.00410
2.8000E 3	8.1807	5.42000	5.41490	5.35556	0.00510	0.0	0.0	0.0	0.00510
3.0000E 3	8.1117	5.13000	5.12280	5.06904	0.00720	0.0	0.0	0.0	0.00720
3.1000E 3	8.0789	5.05000	5.04190	4.99000	0.00810	0.0	0.0	0.0	0.00810
3.2000E 3	8.0472	5.05000	5.04090	4.99001	0.00910	0.0	0.0	0.0	0.00910
3.3000E 3	8.0164	5.14000	5.13080	5.07894	0.00920	0.0	0.0	0.0	0.00920
3.4000E 3	7.9866	5.30000	5.29050	5.23704	0.00950	0.0	0.0	0.0	0.00950
3.5000E 3	7.9576	5.55000	5.53900	5.48409	0.01100	0.0	0.0	0.0	0.01100
3.6000E 3	7.9294	5.87000	5.85550	5.80032	0.01450	0.0	0.0	0.0	0.01450
3.7000E 3	7.9020	6.33000	6.31000	6.25491	0.02000	0.0	0.0	0.0	0.02000
3.7600E 3	7.8859	6.64000	6.61400	6.56129	0.02600	0.0	0.0	0.0	0.02600
3.8000E 3	7.8753	6.67000	6.64100	6.59097	0.02900	0.0	0.0	0.0	0.02900
3.8400E 3	7.8649	6.64000	6.61050	6.56134	0.02950	0.0	0.0	0.0	0.02950
3.9000E 3	7.8494	6.20000	6.17050	6.12657	0.02950	0.0	0.0	0.0	0.02950
4.0000E 3	7.8240	5.61000	5.58100	5.54359	0.02900	0.0	0.0	0.0	0.02900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.8000E 3	8.6226	0.0	0.0	0.00470	0.01190	0.0	0.0	0.0	0.0
1.9000E 3	8.5685	0.0	0.0	0.00370	0.01190	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.00350	0.01190	0.0	0.0	0.0	0.0
2.2000E 3	8.4219	0.0	0.0	0.00330	0.01190	0.0	0.0	0.0	0.0
2.4000E 3	8.3349	0.0	0.0	0.00350	0.01190	0.0	0.0	0.0	0.0
2.6000E 3	8.2548	0.0	0.0	0.00410	0.01190	0.0	0.0	0.0	0.0
2.8000E 3	8.1807	0.0	0.0	0.00510	0.01190	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.00720	0.01190	0.0	0.0	0.0	0.0
3.1000E 3	8.0789	0.0	0.0	0.00810	0.01190	0.0	0.0	0.0	0.0
3.2000E 3	8.0472	0.0	0.0	0.00910	0.01190	0.0	0.0	0.0	0.0
3.3000E 3	8.0164	0.0	0.0	0.00920	0.01190	0.0	0.0	0.0	0.0
3.4000E 3	7.9866	0.0	0.0	0.00950	0.01190	0.0	0.0	0.0	0.0
3.5000E 3	7.9576	0.0	0.0	0.01100	0.01190	0.0	0.0	0.0	0.0
3.6000E 3	7.9294	0.0	0.0	0.01450	0.01190	0.0	0.0	0.0	0.0
3.7000E 3	7.9020	0.0	0.0	0.02000	0.01190	0.0	0.0	0.0	0.0
3.7600E 3	7.8859	0.0	0.0	0.02600	0.01190	0.0	0.0	0.0	0.0
3.8000E 3	7.8753	0.0	0.0	0.02900	0.01190	0.0	0.0	0.0	0.0
3.8400E 3	7.8649	0.0	0.0	0.02950	0.01190	0.0	0.0	0.0	0.0
3.9000E 3	7.8494	0.0	0.0	0.02950	0.01190	0.0	0.0	0.0	0.0
4.0000E 3	7.8240	0.0	0.0	0.02900	0.01190	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.1000E 3	7.7994	5.20000	5.18550	5.13829	0.01450	0.0	0.0	0.0	0.01450
4.2000E 3	7.7753	4.96000	4.94850	4.90111	0.01150	0.0	0.0	0.0	0.01150
4.3000E 3	7.7517	4.84000	4.82950	4.78253	0.01050	0.0	0.0	0.0	0.01050
4.4400E 3	7.7197	4.78000	4.76600	4.72328	0.01400	0.0	0.0	0.0	0.01400
4.5000E 3	7.7063	4.79000	4.77350	4.73320	0.01650	0.0	0.0	0.0	0.01650
4.6000E 3	7.6843	4.85000	4.83050	4.79252	0.01950	0.0	0.0	0.0	0.01950
4.7000E 3	7.6628	4.98000	4.95900	4.92099	0.02100	0.0	0.0	0.0	0.02100
4.8000E 3	7.6417	5.18000	5.15850	5.11861	0.02150	0.0	0.0	0.0	0.02150
4.9000E 3	7.6211	5.50000	5.47850	5.43481	0.02150	0.0	0.0	0.0	0.02150
5.0000E 3	7.6009	6.04000	6.01850	5.96838	0.02150	0.0	0.0	0.0	0.02150
5.1000E 3	7.5811	6.56000	6.53850	6.48219	0.02150	0.0	0.0	0.0	0.02150
5.2000E 3	7.5617	7.30000	7.27850	7.21339	0.02150	0.0	0.0	0.0	0.02150
5.3000E 3	7.5426	8.04000	8.01900	7.94457	0.02100	0.0	0.0	0.0	0.02100
5.4000E 3	7.5239	8.87000	8.84750	8.76471	0.02250	0.0	0.0	0.0	0.02250
5.5000E 3	7.5056	9.70000	9.67500	9.58487	0.02500	0.0	0.0	0.0	0.02500
5.6000E 3	7.4876	10.83000	10.80100	10.70147	0.02900	0.0	0.0	0.0	0.02900
5.7000E 3	7.4699	11.85000	11.81650	11.70938	0.03350	0.0	0.0	0.0	0.03350
5.8000E 3	7.4525	12.75000	12.70800	12.59877	0.04200	0.0	0.0	0.0	0.04200
5.9000E 3	7.4354	13.18000	13.11900	13.02388	0.06100	0.0	0.0	0.0	0.06100
6.0000E 3	7.4186	13.37000	13.29000	13.21185	0.08000	0.0	0.0	0.0	0.08000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.1000E 3	7.7994	0.0	0.0	0.01450	0.01190	0.0	0.0	0.0	0.0
4.2000E 3	7.7753	0.0	0.0	0.01150	0.01190	0.0	0.0	0.0	0.0
4.3000E 3	7.7517	0.0	0.0	0.01050	0.01190	0.0	0.0	0.0	0.0
4.4400E 3	7.7197	0.0	0.0	0.01400	0.01190	0.0	0.0	0.0	0.0
4.5000E 3	7.7063	0.0	0.0	0.01650	0.01190	0.0	0.0	0.0	0.0
4.6000E 3	7.6843	0.0	0.0	0.01950	0.01190	0.0	0.0	0.0	0.0
4.7000E 3	7.6628	0.0	0.0	0.02100	0.01190	0.0	0.0	0.0	0.0
4.8000E 3	7.6417	0.0	0.0	0.02150	0.01190	0.0	0.0	0.0	0.0
4.9000E 3	7.6211	0.0	0.0	0.02150	0.01190	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.02150	0.01190	0.0	0.0	0.0	0.0
5.1000E 3	7.5811	0.0	0.0	0.02150	0.01190	0.0	0.0	0.0	0.0
5.2000E 3	7.5617	0.0	0.0	0.02150	0.01190	0.0	0.0	0.0	0.0
5.3000E 3	7.5426	0.0	0.0	0.02100	0.01190	0.0	0.0	0.0	0.0
5.4000E 3	7.5239	0.0	0.0	0.02250	0.01190	0.0	0.0	0.0	0.0
5.5000E 3	7.5056	0.0	0.0	0.02500	0.01190	0.0	0.0	0.0	0.0
5.6000E 3	7.4876	0.0	0.0	0.02900	0.01190	0.0	0.0	0.0	0.0
5.7000E 3	7.4699	0.0	0.0	0.03350	0.01190	0.0	0.0	0.0	0.0
5.8000E 3	7.4525	0.0	0.0	0.04200	0.01190	0.0	0.0	0.0	0.0
5.9000E 3	7.4354	0.0	0.0	0.06100	0.01190	0.0	0.0	0.0	0.0
6.0000E 3	7.4186	0.0	0.0	0.08000	0.01190	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 8

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.1000E 3	7.4021	13.12000	13.02750	12.96497	0.09250	0.0	0.0	0.0	0.09250
6.2000E 3	7.3858	12.75000	12.66000	12.59935	0.09000	0.0	0.0	0.0	0.09000
6.3000E 3	7.3698	12.20000	12.12000	12.05577	0.08000	0.0	0.0	0.0	0.08000
6.4000E 3	7.3540	12.00000	11.93800	11.85794	0.06200	0.0	0.0	0.0	0.06200
6.5000E 3	7.3385	12.25000	12.19500	12.10488	0.05500	0.0	0.0	0.0	0.05500
6.6000E 3	7.3233	12.50000	12.44500	12.35190	0.05500	0.0	0.0	0.0	0.05500
6.7000E 3	7.3082	22.00000	21.94500	21.73885	0.05500	0.0	0.0	0.0	0.05500
6.8000E 3	7.2934	24.25000	24.19400	23.96209	0.05600	0.0	0.0	0.0	0.05600
6.9000E 3	7.2788	25.30000	25.24200	24.99962	0.05800	0.0	0.0	0.0	0.05800
7.0000E 3	7.2644	25.70000	25.63900	25.39490	0.06100	0.0	0.0	0.0	0.06100
7.1000E 3	7.2502	25.90000	25.80750	25.59289	0.09250	0.0	0.0	0.0	0.09250
7.2000E 3	7.2363	25.80000	25.70800	25.49407	0.09200	0.0	0.0	0.0	0.09200
7.3000E 3	7.2225	25.50000	25.40950	25.19763	0.09050	0.0	0.0	0.0	0.09050
7.4000E 3	7.2089	24.80000	24.71250	24.50592	0.08750	0.0	0.0	0.0	0.08750
7.5000E 3	7.1954	23.85000	23.75800	23.56728	0.09200	0.0	0.0	0.0	0.09200
7.6000E 3	7.1822	23.10000	22.99850	22.82632	0.10150	0.0	0.0	0.0	0.10150
7.7000E 3	7.1691	21.00000	20.90200	20.75127	0.09800	0.0	0.0	0.0	0.09800
7.8000E 3	7.1562	19.15000	19.05800	18.92321	0.09200	0.0	0.0	0.0	0.09200
7.9000E 3	7.1435	17.50000	17.41500	17.29276	0.08500	0.0	0.0	0.0	0.08500
8.0000E 3	7.1309	16.25000	16.24210	16.05672	0.00790	0.0	0.0	0.0	0.00790

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.1000E 3	7.4021	0.0	0.0	0.09250	0.01190	0.0	0.0	0.0	0.0
6.2000E 3	7.3858	0.0	0.0	0.09000	0.01190	0.0	0.0	0.0	0.0
6.3000E 3	7.3698	0.0	0.0	0.08000	0.01190	0.0	0.0	0.0	0.0
6.4000E 3	7.3540	0.0	0.0	0.06200	0.01190	0.0	0.0	0.0	0.0
6.5000E 3	7.3385	0.0	0.0	0.05500	0.01190	0.0	0.0	0.0	0.0
6.6000E 3	7.3233	0.0	0.0	0.05500	0.01190	0.0	0.0	0.0	0.0
6.7000E 3	7.3082	0.0	0.0	0.05500	0.01190	0.0	0.0	0.0	0.0
6.8000E 3	7.2934	0.0	0.0	0.05600	0.01190	0.0	0.0	0.0	0.0
6.9000E 3	7.2788	0.0	0.0	0.05800	0.01190	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.06100	0.01190	0.0	0.0	0.0	0.0
7.1000E 3	7.2502	0.0	0.0	0.09250	0.01190	0.0	0.0	0.0	0.0
7.2000E 3	7.2363	0.0	0.0	0.09200	0.01190	0.0	0.0	0.0	0.0
7.3000E 3	7.2225	0.0	0.0	0.09050	0.01190	0.0	0.0	0.0	0.0
7.4000E 3	7.2089	0.0	0.0	0.08750	0.01190	0.0	0.0	0.0	0.0
7.5000E 3	7.1954	0.0	0.0	0.09200	0.01190	0.0	0.0	0.0	0.0
7.6000E 3	7.1822	0.0	0.0	0.10150	0.01190	0.0	0.0	0.0	0.0
7.7000E 3	7.1691	0.0	0.0	0.09800	0.01190	0.0	0.0	0.0	0.0
7.8000E 3	7.1562	0.0	0.0	0.09200	0.01190	0.0	0.0	0.0	0.0
7.9000E 3	7.1435	0.0	0.0	0.08500	0.01190	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.00790	0.01190	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.1000E 3	7.1185	14.80000	14.79270	14.62397	0.00730	0.0	0.0	0.0	0.00730
8.2000E 3	7.1062	13.95000	13.94360	13.78407	0.00640	0.0	0.0	0.0	0.00640
8.3000E 3	7.0941	13.00000	12.99440	12.84537	0.00560	0.0	0.0	0.0	0.00560
8.4000E 3	7.0821	12.25000	12.20000	12.10482	0.05000	0.0	0.0	0.0	0.05000
8.6000E 3	7.0586	11.00000	10.96150	10.86956	0.03850	0.0	0.0	0.0	0.03850
8.8000E 3	7.0356	10.10000	10.07000	9.98017	0.03000	0.0	0.0	0.0	0.03000
9.0000E 3	7.0131	9.30000	9.27100	9.18968	0.02900	0.0	0.0	0.0	0.02900
9.2000E 3	6.9911	8.70000	8.66950	8.59683	0.03050	0.0	0.0	0.0	0.03050
9.4000E 3	6.9696	8.25000	8.18950	8.15254	0.06050	0.0	0.0	0.0	0.06050
9.6000E 3	6.9486	7.85000	7.80650	7.75710	0.04350	0.0	0.0	0.0	0.04350
9.8000E 3	6.9280	7.45000	7.42750	7.36161	0.02250	0.0	0.0	0.0	0.02250
10.0000E 3	6.9078	7.05000	7.03050	6.96634	0.01950	0.0	0.0	0.0	0.01950
10.5000E 3	6.8590	7.01000	6.99150	6.92680	0.01850	0.0	0.0	0.0	0.01850
11.0000E 3	6.8124	6.07000	6.03200	5.99762	0.03800	0.0	0.0	0.0	0.03800
11.2000E 3	6.7944	5.90000	5.84950	5.82981	0.05050	0.0	0.0	0.0	0.05050
11.5000E 3	6.7680	5.64500	5.62150	5.57754	0.02350	0.0	0.0	0.0	0.02350
12.0000E 3	6.7254	5.22000	5.20730	5.15751	0.01270	0.0	0.0	0.0	0.01270
12.5000E 3	6.6846	4.88500	4.87270	4.82653	0.01230	0.0	0.0	0.0	0.01230
13.0000E 3	6.6454	4.55000	4.53760	4.49555	0.01240	0.0	0.0	0.0	0.01240
13.5000E 3	6.6077	4.30000	4.28650	4.24813	0.01350	0.0	0.0	0.0	0.01350

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.1000E 3	7.1185	0.0	0.0	0.00730	0.01190	0.0	0.0	0.0	0.0
8.2000E 3	7.1062	0.0	0.0	0.00640	0.01190	0.0	0.0	0.0	0.0
8.3000E 3	7.0941	0.0	0.0	0.00560	0.01190	0.0	0.0	0.0	0.0
8.4000E 3	7.0821	0.0	0.0	0.05000	0.01190	0.0	0.0	0.0	0.0
8.6000E 3	7.0586	0.0	0.0	0.03850	0.01190	0.0	0.0	0.0	0.0
8.8000E 3	7.0356	0.0	0.0	0.03000	0.01190	0.0	0.0	0.0	0.0
9.0000E 3	7.0131	0.0	0.0	0.02900	0.01190	0.0	0.0	0.0	0.0
9.2000E 3	6.9911	0.0	0.0	0.03050	0.01190	0.0	0.0	0.0	0.0
9.4000E 3	6.9696	0.0	0.0	0.06050	0.01190	0.0	0.0	0.0	0.0
9.6000E 3	6.9486	0.0	0.0	0.04350	0.01190	0.0	0.0	0.0	0.0
9.8000E 3	6.9280	0.0	0.0	0.02250	0.01190	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.01950	0.01190	0.0	0.0	0.0	0.0
10.5000E 3	6.8590	0.0	0.0	0.01850	0.01190	0.0	0.0	0.0	0.0
11.0000E 3	6.8124	0.0	0.0	0.03800	0.01200	0.0	0.0	0.0	0.0
11.2000E 3	6.7944	0.0	0.0	0.05050	0.01200	0.0	0.0	0.0	0.0
11.5000E 3	6.7680	0.0	0.0	0.02350	0.01200	0.0	0.0	0.0	0.0
12.0000E 3	6.7254	0.0	0.0	0.01270	0.01200	0.0	0.0	0.0	0.0
12.5000E 3	6.6846	0.0	0.0	0.01230	0.01200	0.0	0.0	0.0	0.0
13.0000E 3	6.6454	0.0	0.0	0.01240	0.01200	0.0	0.0	0.0	0.0
13.5000E 3	6.6077	0.0	0.0	0.01350	0.01210	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 10

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
14.0000E 3	6.5713	4.05000	4.00300	4.00156	0.04700	0.0	0.0	0.0	0.04700
15.0000E 3	6.5023	3.59000	3.57600	3.54673	0.01400	0.0	0.0	0.0	0.01400
16.0000E 3	6.4378	3.14000	3.13040	3.10212	0.00960	0.0	0.0	0.0	0.00960
17.0000E 3	6.3771	2.80000	2.78950	2.76597	0.01050	0.0	0.0	0.0	0.01050
17.5000E 3	6.3481	2.63500	2.61100	2.60315	0.02400	0.0	0.0	0.0	0.02400
18.0000E 3	6.3200	2.47000	2.45250	2.44008	0.01750	0.0	0.0	0.0	0.01750
19.0000E 3	6.2659	2.18000	2.16900	2.15332	0.01100	0.0	0.0	0.0	0.01100
20.0000E 3	6.2146	1.92500	1.91150	1.90149	0.01350	0.0	0.0	0.0	0.01350
21.0000E 3	6.1658	1.68000	1.66300	1.65938	0.01700	0.0	0.0	0.0	0.01700
22.0000E 3	6.1193	1.45000	1.42300	1.43235	0.02700	0.0	0.0	0.0	0.02700
23.0000E 3	6.0748	1.19000	1.14850	1.17564	0.04150	0.0	0.0	0.0	0.04150
24.0000E 3	6.0323	0.74000	0.71800	0.73103	0.02200	0.0	0.0	0.0	0.02200
25.0000E 3	5.9915	0.59200	0.55700	0.58498	0.03500	0.0	0.0	0.0	0.03500
25.5000E 3	5.9717	0.62000	0.58000	0.61269	0.04000	0.0	0.0	0.0	0.04000
25.8000E 3	5.9600	3.78000	3.73600	3.73293	0.04400	0.0	0.0	0.0	0.04400
26.4000E 3	5.9370	9.50000	9.44450	9.38100	0.05550	0.0	0.0	0.0	0.05550
26.8000E 3	5.9219	17.60000	17.53400	17.37732	0.06600	0.0	0.0	0.0	0.06600
27.2000E 3	5.9071	31.50000	31.42800	31.10086	0.07200	0.0	0.0	0.0	0.07200
27.4500E 3	5.8980	49.00000	48.91950	48.37872	0.08050	0.0	0.0	0.0	0.08050
27.7000E 3	5.8889	69.00000	68.92600	68.12464	0.07400	0.0	0.0	0.0	0.07400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
14.0000E 3	6.5713	0.0	0.0	0.04700	0.01210	0.0	0.0	0.0	0.0
15.0000E 3	6.5023	0.0	0.0	0.01400	0.01210	0.0	0.0	0.0	0.0
16.0000E 3	6.4378	0.0	0.0	0.00960	0.01210	0.0	0.0	0.0	0.0
17.0000E 3	6.3771	0.0	0.0	0.01050	0.01220	0.0	0.0	0.0	0.0
17.5000E 3	6.3481	0.0	0.0	0.02400	0.01220	0.0	0.0	0.0	0.0
18.0000E 3	6.3200	0.0	0.0	0.01750	0.01220	0.0	0.0	0.0	0.0
19.0000E 3	6.2659	0.0	0.0	0.01100	0.01230	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.01350	0.01230	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	0.0	0.0	0.01700	0.01240	0.0	0.0	0.0	0.0
22.0000E 3	6.1193	0.0	0.0	0.02700	0.01240	0.0	0.0	0.0	0.0
23.0000E 3	6.0748	0.0	0.0	0.04150	0.01250	0.0	0.0	0.0	0.0
24.0000E 3	6.0323	0.0	0.0	0.02200	0.01250	0.0	0.0	0.0	0.0
25.0000E 3	5.9915	0.0	0.0	0.03500	0.01260	0.0	0.0	0.0	0.0
25.5000E 3	5.9717	0.0	0.0	0.04000	0.01260	0.0	0.0	0.0	0.0
25.8000E 3	5.9600	0.0	0.0	0.04400	0.01260	0.0	0.0	0.0	0.0
26.4000E 3	5.9370	0.0	0.0	0.05550	0.01260	0.0	0.0	0.0	0.0
26.8000E 3	5.9219	0.0	0.0	0.06600	0.01270	0.0	0.0	0.0	0.0
27.2000E 3	5.9071	0.0	0.0	0.07200	0.01270	0.0	0.0	0.0	0.0
27.4500E 3	5.8980	0.0	0.0	0.08050	0.01270	0.0	0.0	0.0	0.0
27.7000E 3	5.8889	0.0	0.0	0.07400	0.01270	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 11

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
27.9000E 3	5.8817	80.00000	79.93200	78.97687	0.06800	0.0	0.0	0.0	0.06800
28.2500E 3	5.8692	82.00000	81.94200	80.95114	0.05800	0.0	0.0	0.0	0.05800
28.5000E 3	5.8604	80.00000	79.94700	78.97668	0.05300	0.0	0.0	0.0	0.05300
29.1000E 3	5.8396	51.50000	51.45750	50.84134	0.04250	0.0	0.0	0.0	0.04250
29.5000E 3	5.8260	38.10000	38.06350	37.60898	0.03650	0.0	0.0	0.0	0.03650
29.8000E 3	5.8158	29.27000	29.23700	28.89284	0.03300	0.0	0.0	0.0	0.03300
30.3000E 3	5.7992	20.00000	19.97200	19.74236	0.02800	0.0	0.0	0.0	0.02800
31.5000E 3	5.7604	12.85000	12.83000	12.68449	0.02000	0.0	0.0	0.0	0.02000
32.7000E 3	5.7230	10.20000	10.18250	10.06763	0.01750	0.0	0.0	0.0	0.01750
33.0000E 3	5.7138	9.80000	9.78280	9.67282	0.01720	0.0	0.0	0.0	0.01720
34.0000E 3	5.6840	8.70000	8.68330	8.58712	0.01670	0.0	0.0	0.0	0.01670
35.0000E 3	5.6550	7.76000	7.74340	7.65856	0.01660	0.0	0.0	0.0	0.01660
36.0000E 3	5.6268	7.18000	7.16350	7.08616	0.01650	0.0	0.0	0.0	0.01650
37.0000E 3	5.5994	6.60000	6.58350	6.51310	0.01650	0.0	0.0	0.0	0.01650
38.0000E 3	5.5728	6.20000	6.18350	6.11838	0.01650	0.0	0.0	0.0	0.01650
39.0000E 3	5.5468	5.82000	5.80340	5.74281	0.01660	0.0	0.0	0.0	0.01660
40.0000E 3	5.5215	5.54000	5.52330	5.46654	0.01670	0.0	0.0	0.0	0.01670
42.0000E 3	5.4727	5.08000	5.06250	5.01216	0.01750	0.0	0.0	0.0	0.01750
44.0000E 3	5.4262	4.71000	4.69120	4.64667	0.01880	0.0	0.0	0.0	0.01880
46.0000E 3	5.3817	4.43000	4.40870	4.37004	0.02130	0.0	0.0	0.0	0.02130

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
27.9000E 3	5.8817	0.0	0.0	0.06800	0.01280	0.0	0.0	0.0	0.0
28.2500E 3	5.8692	0.0	0.0	0.05800	0.01280	0.0	0.0	0.0	0.0
28.5000E 3	5.8604	0.0	0.0	0.05300	0.01280	0.0	0.0	0.0	0.0
29.1000E 3	5.8396	0.0	0.0	0.04250	0.01280	0.0	0.0	0.0	0.0
29.5000E 3	5.8260	0.0	0.0	0.03650	0.01290	0.0	0.0	0.0	0.0
29.8000E 3	5.8158	0.0	0.0	0.03300	0.01290	0.0	0.0	0.0	0.0
30.3000E 3	5.7992	0.0	0.0	0.02800	0.01290	0.0	0.0	0.0	0.0
31.5000E 3	5.7604	0.0	0.0	0.02000	0.01290	0.0	0.0	0.0	0.0
32.7000E 3	5.7230	0.0	0.0	0.01750	0.01300	0.0	0.0	0.0	0.0
33.0000E 3	5.7138	0.0	0.0	0.01720	0.01300	0.0	0.0	0.0	0.0
34.0000E 3	5.6840	0.0	0.0	0.01670	0.01300	0.0	0.0	0.0	0.0
35.0000E 3	5.6550	0.0	0.0	0.01660	0.01310	0.0	0.0	0.0	0.0
36.0000E 3	5.6268	0.0	0.0	0.01650	0.01310	0.0	0.0	0.0	0.0
37.0000E 3	5.5994	0.0	0.0	0.01650	0.01320	0.0	0.0	0.0	0.0
38.0000E 3	5.5728	0.0	0.0	0.01650	0.01320	0.0	0.0	0.0	0.0
39.0000E 3	5.5468	0.0	0.0	0.01660	0.01330	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	0.0	0.0	0.01670	0.01330	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	0.0	0.0	0.01750	0.01340	0.0	0.0	0.0	0.0
44.0000E 3	5.4262	0.0	0.0	0.01880	0.01350	0.0	0.0	0.0	0.0
46.0000E 3	5.3817	0.0	0.0	0.02130	0.01360	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 12

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
47.0000E 3	5.3602	4.30000	4.27650	4.24141	0.02350	0.0	0.0	0.0	0.02350
48.0000E 3	5.3391	4.18000	4.15400	4.12309	0.02600	0.0	0.0	0.0	0.02600
49.0000E 3	5.3185	4.09000	4.06200	4.03394	0.02800	0.0	0.0	0.0	0.02800
50.0000E 3	5.2983	4.02000	3.99100	3.96492	0.02900	0.0	0.0	0.0	0.02900
51.0000E 3	5.2785	4.54000	4.51100	4.47775	0.02900	0.0	0.0	0.0	0.02900
52.0000E 3	5.2591	5.32000	5.29150	5.24645	0.02850	0.0	0.0	0.0	0.02850
53.0000E 3	5.2400	5.86000	5.83300	5.77892	0.02700	0.0	0.0	0.0	0.02700
53.5000E 3	5.2307	5.88000	5.85350	5.79864	0.02650	0.0	0.0	0.0	0.02650
54.0000E 3	5.2214	5.77000	5.74430	5.68958	0.02570	0.0	0.0	0.0	0.02570
55.0000E 3	5.2030	4.40000	4.37530	4.33875	0.02470	0.0	0.0	0.0	0.02470
56.0000E 3	5.1850	3.95000	3.92650	3.89464	0.02350	0.0	0.0	0.0	0.02350
57.0000E 3	5.1673	3.70000	3.67750	3.64815	0.02250	0.0	0.0	0.0	0.02250
58.0000E 3	5.1499	3.54000	3.51860	3.49004	0.02140	0.0	0.0	0.0	0.02140
59.0000E 3	5.1328	3.40000	3.37970	3.35201	0.02030	0.0	0.0	0.0	0.02030
60.0000E 3	5.1160	3.28000	3.26070	3.23337	0.01930	0.0	0.0	0.0	0.01930
62.0000E 3	5.0832	3.11000	3.09250	3.06361	0.01750	0.0	0.0	0.0	0.01750
64.0000E 3	5.0515	2.96000	2.94360	2.91349	0.01640	0.0	0.0	0.0	0.01640
66.0000E 3	5.0207	2.76000	2.74450	2.71472	0.01550	0.0	0.0	0.0	0.01550
68.0000E 3	4.9908	2.50000	2.48500	2.45726	0.01500	0.0	0.0	0.0	0.01500
70.0000E 3	4.9618	1.29500	1.27820	1.27199	0.01680	0.0	0.0	0.0	0.01680

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
47.0000E 3	5.3602	0.0	0.0	0.02350	0.01370	0.0	0.0	0.0	0.0
48.0000E 3	5.3391	0.0	0.0	0.02600	0.01370	0.0	0.0	0.0	0.0
49.0000E 3	5.3185	0.0	0.0	0.02800	0.01380	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.02900	0.01380	0.0	0.0	0.0	0.0
51.0000E 3	5.2785	0.0	0.0	0.02900	0.01380	0.0	0.0	0.0	0.0
52.0000E 3	5.2591	0.0	0.0	0.02850	0.01390	0.0	0.0	0.0	0.0
53.0000E 3	5.2400	0.0	0.0	0.02700	0.01390	0.0	0.0	0.0	0.0
53.5000E 3	5.2307	0.0	0.0	0.02650	0.01390	0.0	0.0	0.0	0.0
54.0000E 3	5.2214	0.0	0.0	0.02570	0.01400	0.0	0.0	0.0	0.0
55.0000E 3	5.2030	0.0	0.0	0.02470	0.01400	0.0	0.0	0.0	0.0
56.0000E 3	5.1850	0.0	0.0	0.02350	0.01410	0.0	0.0	0.0	0.0
57.0000E 3	5.1673	0.0	0.0	0.02250	0.01410	0.0	0.0	0.0	0.0
58.0000E 3	5.1499	0.0	0.0	0.02140	0.01420	0.0	0.0	0.0	0.0
59.0000E 3	5.1328	0.0	0.0	0.02030	0.01420	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	0.0	0.0	0.01930	0.01430	0.0	0.0	0.0	0.0
62.0000E 3	5.0832	0.0	0.0	0.01750	0.01500	0.0	0.0	0.0	0.0
64.0000E 3	5.0515	0.0	0.0	0.01640	0.01580	0.0	0.0	0.0	0.0
66.0000E 3	5.0207	0.0	0.0	0.01550	0.01650	0.0	0.0	0.0	0.0
68.0000E 3	4.9908	0.0	0.0	0.01500	0.01720	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.01680	0.01800	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 13

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
72.0000E 3	4.9337	1.80000	1.77850	1.76656	0.02150	0.0	0.0	0.0	0.02150
73.0000E 3	4.9199	3.89000	3.86900	3.81572	0.02100	0.0	0.0	0.0	0.02100
74.0000E 3	4.9063	22.90000	22.87930	22.45157	0.02070	0.0	0.0	0.0	0.02070
75.0000E 3	4.8929	10.55000	10.52980	10.33940	0.02020	0.0	0.0	0.0	0.02020
76.0000E 3	4.8796	6.70000	6.69000	6.56419	0.01000	0.0	0.0	0.0	0.01000
78.0000E 3	4.8536	2.61000	2.59040	2.55534	0.01960	0.0	0.0	0.0	0.01960
81.0000E 3	4.8159	1.19500	1.17600	1.16878	0.01900	0.0	0.0	0.0	0.01900
82.5000E 3	4.7975	24.00000	23.98130	23.45083	0.01870	0.0	0.0	0.0	0.01870
84.0000E 3	4.7795	17.10000	17.08150	16.70029	0.01850	0.0	0.0	0.0	0.01850
86.0000E 3	4.7560	10.70000	10.68200	10.44150	0.01800	0.0	0.0	0.0	0.01800
88.0000E 3	4.7330	6.68000	6.66050	6.51349	0.01950	0.0	0.0	0.0	0.01950
90.0000E 3	4.7105	4.94000	4.91750	4.81313	0.02250	0.0	0.0	0.0	0.02250
92.0000E 3	4.6886	4.44000	4.41450	4.32257	0.02550	0.0	0.0	0.0	0.02550
94.0000E 3	4.6670	4.13000	4.10200	4.01761	0.02800	0.0	0.0	0.0	0.02800
96.0000E 3	4.6460	3.93000	3.89900	3.82044	0.03100	0.0	0.0	0.0	0.03100
97.0000E 3	4.6356	3.85000	3.81750	3.74120	0.03250	0.0	0.0	0.0	0.03250
98.0000E 3	4.6254	3.84000	3.80800	3.72995	0.03200	0.0	0.0	0.0	0.03200
99.0000E 3	4.6152	3.85000	3.82000	3.73807	0.03000	0.0	0.0	0.0	0.03000
100.0000E 3	4.6052	3.94000	3.91550	3.82371	0.02450	0.0	0.0	0.0	0.02450
102.0000E 3	4.5854	4.38000	4.36150	4.24916	0.01850	0.0	0.0	0.0	0.01850

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
72.0000E 3	4.9337	0.0	0.0	0.02150	0.01880	0.0	0.0	0.0	0.0
73.0000E 3	4.9199	0.0	0.0	0.02100	0.01920	0.0	0.0	0.0	0.0
74.0000E 3	4.9063	0.0	0.0	0.02070	0.01960	0.0	0.0	0.0	0.0
75.0000E 3	4.8929	0.0	0.0	0.02020	0.02000	0.0	0.0	0.0	0.0
76.0000E 3	4.8796	0.0	0.0	0.01000	0.02030	0.0	0.0	0.0	0.0
78.0000E 3	4.8536	0.0	0.0	0.01960	0.02110	0.0	0.0	0.0	0.0
81.0000E 3	4.8159	0.0	0.0	0.01900	0.02230	0.0	0.0	0.0	0.0
82.5000E 3	4.7975	0.0	0.0	0.01870	0.02290	0.0	0.0	0.0	0.0
84.0000E 3	4.7795	0.0	0.0	0.01850	0.02340	0.0	0.0	0.0	0.0
86.0000E 3	4.7560	0.0	0.0	0.01800	0.02420	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	0.0	0.0	0.01950	0.02500	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.02250	0.02580	0.0	0.0	0.0	0.0
92.0000E 3	4.6886	0.0	0.0	0.02550	0.02660	0.0	0.0	0.0	0.0
94.0000E 3	4.6670	0.0	0.0	0.02800	0.02740	0.0	0.0	0.0	0.0
96.0000E 3	4.6460	0.0	0.0	0.03100	0.02810	0.0	0.0	0.0	0.0
97.0000E 3	4.6356	0.0	0.0	0.03250	0.02850	0.0	0.0	0.0	0.0
98.0000E 3	4.6254	0.0	0.0	0.03200	0.02890	0.0	0.0	0.0	0.0
99.0000E 3	4.6152	0.0	0.0	0.03000	0.02930	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.02450	0.02970	0.0	0.0	0.0	0.0
102.0000E 3	4.5854	0.0	0.0	0.01850	0.03000	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 14

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
102.5000E 3	4.5805	4.44000	4.42300	4.30687	0.01700	0.0	0.0	0.0	0.01700
103.0000E 3	4.5756	4.38000	4.36350	4.24822	0.01650	0.0	0.0	0.0	0.01650
104.0000E 3	4.5659	3.54000	3.52700	3.43278	0.01300	0.0	0.0	0.0	0.01300
105.0000E 3	4.5564	3.35000	3.33900	3.24783	0.01100	0.0	0.0	0.0	0.01100
110.0000E 3	4.5099	2.80000	2.79310	2.71230	0.00690	0.0	0.0	0.0	0.00690
115.0000E 3	4.4654	2.19000	2.18400	2.11946	0.00600	0.0	0.0	0.0	0.00600
119.0000E 3	4.4312	1.72000	1.71430	1.66360	0.00570	0.0	0.0	0.0	0.00570
120.0000E 3	4.4228	1.76000	1.75440	1.70193	0.00560	0.0	0.0	0.0	0.00560
122.0000E 3	4.4063	2.12000	2.11440	2.04938	0.00560	0.0	0.0	0.0	0.00560
123.0000E 3	4.3982	2.55000	2.54440	2.46451	0.00560	0.0	0.0	0.0	0.00560
124.0000E 3	4.3901	3.20000	3.19450	3.09235	0.00550	0.0	0.0	0.0	0.00550
125.0000E 3	4.3820	2.30000	2.29450	2.22222	0.00550	0.0	0.0	0.0	0.00550
126.0000E 3	4.3741	1.79000	1.78460	1.72915	0.00540	0.0	0.0	0.0	0.00540
127.0000E 3	4.3662	1.38000	1.37460	1.33299	0.00540	0.0	0.0	0.0	0.00540
128.0000E 3	4.3583	1.07000	1.06460	1.03338	0.00540	0.0	0.0	0.0	0.00540
130.0000E 3	4.3428	11.30000	11.29470	10.90807	0.00530	0.0	0.0	0.0	0.00530
131.0000E 3	4.3351	6.00000	5.99470	5.79078	0.00530	0.0	0.0	0.0	0.00530
132.0000E 3	4.3275	4.00000	3.99470	3.86019	0.00530	0.0	0.0	0.0	0.00530
133.0000E 3	4.3200	2.68000	2.67470	2.58585	0.00530	0.0	0.0	0.0	0.00530
134.0000E 3	4.3125	1.72000	1.71470	1.65930	0.00530	0.0	0.0	0.0	0.00530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
102.5000E 3	4.5805	0.0	0.0	0.01700	0.03010	0.0	0.0	0.0	0.0
103.0000E 3	4.5756	0.0	0.0	0.01650	0.03020	0.0	0.0	0.0	0.0
104.0000E 3	4.5659	0.0	0.0	0.01300	0.03040	0.0	0.0	0.0	0.0
105.0000E 3	4.5564	0.0	0.0	0.01100	0.03060	0.0	0.0	0.0	0.0
110.0000E 3	4.5099	0.0	0.0	0.00690	0.03140	0.0	0.0	0.0	0.0
115.0000E 3	4.4654	0.0	0.0	0.00600	0.03230	0.0	0.0	0.0	0.0
119.0000E 3	4.4312	0.0	0.0	0.00570	0.03290	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.00560	0.03310	0.0	0.0	0.0	0.0
122.0000E 3	4.4063	0.0	0.0	0.00560	0.03340	0.0	0.0	0.0	0.0
123.0000E 3	4.3982	0.0	0.0	0.00560	0.03360	0.0	0.0	0.0	0.0
124.0000E 3	4.3901	0.0	0.0	0.00550	0.03370	0.0	0.0	0.0	0.0
125.0000E 3	4.3820	0.0	0.0	0.00550	0.03390	0.0	0.0	0.0	0.0
126.0000E 3	4.3741	0.0	0.0	0.00540	0.03410	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	0.0	0.0	0.00540	0.03420	0.0	0.0	0.0	0.0
128.0000E 3	4.3583	0.0	0.0	0.00540	0.03440	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	0.0	0.0	0.00530	0.03470	0.0	0.0	0.0	0.0
131.0000E 3	4.3351	0.0	0.0	0.00530	0.03490	0.0	0.0	0.0	0.0
132.0000E 3	4.3275	0.0	0.0	0.00530	0.03500	0.0	0.0	0.0	0.0
133.0000E 3	4.3200	0.0	0.0	0.00530	0.03520	0.0	0.0	0.0	0.0
134.0000E 3	4.3125	0.0	0.0	0.00530	0.03540	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 15

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
135.0000E 3	4.3051	1.08000	1.07470	1.04174	0.00530	0.0	0.0	0.0	0.00530
136.0000E 3	4.2977	0.74000	0.73470	0.71377	0.00530	0.0	0.0	0.0	0.00530
137.0000E 3	4.2904	0.69000	0.68470	0.66542	0.00530	0.0	0.0	0.0	0.00530
138.0000E 3	4.2831	0.76000	0.75470	0.73276	0.00530	0.0	0.0	0.0	0.00530
139.0000E 3	4.2759	1.74000	1.73470	1.67720	0.00530	0.0	0.0	0.0	0.00530
140.0000E 3	4.2687	6.45000	6.44470	6.21541	0.00530	0.0	0.0	0.0	0.00530
141.7000E 3	4.2566	15.53000	15.52470	14.96180	0.00530	0.0	0.0	0.0	0.00530
143.0000E 3	4.2475	10.92000	10.91470	10.51725	0.00530	0.0	0.0	0.0	0.00530
144.0000E 3	4.2405	8.09000	8.08470	7.79006	0.00530	0.0	0.0	0.0	0.00530
145.0000E 3	4.2336	6.52000	6.51470	6.27700	0.00530	0.0	0.0	0.0	0.00530
146.0000E 3	4.2267	5.82000	5.81470	5.60137	0.00530	0.0	0.0	0.0	0.00530
147.0000E 3	4.2199	5.27500	5.26970	5.07686	0.00530	0.0	0.0	0.0	0.00530
148.0000E 3	4.2131	4.82000	4.81470	4.63800	0.00530	0.0	0.0	0.0	0.00530
150.0000E 3	4.1997	4.14000	4.13470	3.98247	0.00530	0.0	0.0	0.0	0.00530
152.0000E 3	4.1865	3.62000	3.61470	3.48120	0.00530	0.0	0.0	0.0	0.00530
155.0000E 3	4.1669	3.00000	2.99470	2.88321	0.00530	0.0	0.0	0.0	0.00530
160.0000E 3	4.1352	2.25000	2.24460	2.16089	0.00540	0.0	0.0	0.0	0.00540
162.0000E 3	4.1227	1.88000	1.87460	1.80502	0.00540	0.0	0.0	0.0	0.00540
164.0000E 3	4.1105	1.35000	1.34460	1.29581	0.00540	0.0	0.0	0.0	0.00540
165.0000E 3	4.1044	1.01500	1.00960	0.97411	0.00540	0.0	0.0	0.0	0.00540

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
135.0000E 3	4.3051	0.0	0.0	0.00530	0.03560	0.0	0.0	0.0	0.0
136.0000E 3	4.2977	0.0	0.0	0.00530	0.03570	0.0	0.0	0.0	0.0
137.0000E 3	4.2904	0.0	0.0	0.00530	0.03590	0.0	0.0	0.0	0.0
138.0000E 3	4.2831	0.0	0.0	0.00530	0.03610	0.0	0.0	0.0	0.0
139.0000E 3	4.2759	0.0	0.0	0.00530	0.03620	0.0	0.0	0.0	0.0
140.0000E 3	4.2687	0.0	0.0	0.00530	0.03640	0.0	0.0	0.0	0.0
141.7000E 3	4.2566	0.0	0.0	0.00530	0.03660	0.0	0.0	0.0	0.0
143.0000E 3	4.2475	0.0	0.0	0.00530	0.03690	0.0	0.0	0.0	0.0
144.0000E 3	4.2405	0.0	0.0	0.00530	0.03710	0.0	0.0	0.0	0.0
145.0000E 3	4.2336	0.0	0.0	0.00530	0.03730	0.0	0.0	0.0	0.0
146.0000E 3	4.2267	0.0	0.0	0.00530	0.03760	0.0	0.0	0.0	0.0
147.0000E 3	4.2199	0.0	0.0	0.00530	0.03760	0.0	0.0	0.0	0.0
148.0000E 3	4.2131	0.0	0.0	0.00530	0.03780	0.0	0.0	0.0	0.0
150.0000E 3	4.1997	0.0	0.0	0.00530	0.03810	0.0	0.0	0.0	0.0
152.0000E 3	4.1865	0.0	0.0	0.00530	0.03840	0.0	0.0	0.0	0.0
155.0000E 3	4.1669	0.0	0.0	0.00530	0.03900	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	0.0	0.0	0.00540	0.03970	0.0	0.0	0.0	0.0
162.0000E 3	4.1227	0.0	0.0	0.00540	0.04000	0.0	0.0	0.0	0.0
164.0000E 3	4.1105	0.0	0.0	0.00540	0.04030	0.0	0.0	0.0	0.0
165.0000E 3	4.1044	0.0	0.0	0.00540	0.04050	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 16

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
166.0000E 3	4.0984	1.05000	1.04460	1.00748	0.00540	0.0	0.0	0.0	0.00540
167.0000E 3	4.0923	1.50000	1.49460	1.43902	0.00540	0.0	0.0	0.0	0.00540
168.2000E 3	4.0852	11.05000	11.04460	10.59717	0.00540	0.0	0.0	0.0	0.00540
169.0000E 3	4.0804	8.83000	8.82450	8.46731	0.00550	0.0	0.0	0.0	0.00550
170.0000E 3	4.0745	5.92000	5.91450	5.67573	0.00550	0.0	0.0	0.0	0.00550
171.0000E 3	4.0687	4.44000	4.43450	4.25597	0.00550	0.0	0.0	0.0	0.00550
172.0000E 3	4.0628	3.59000	3.58450	3.44088	0.00550	0.0	0.0	0.0	0.00550
173.0000E 3	4.0570	3.15000	3.14450	3.01856	0.00550	0.0	0.0	0.0	0.00550
174.0000E 3	4.0513	2.87000	2.86450	2.74969	0.00550	0.0	0.0	0.0	0.00550
175.0000E 3	4.0456	2.63000	2.62450	2.51925	0.00550	0.0	0.0	0.0	0.00550
176.0000E 3	4.0399	2.43000	2.42450	2.32744	0.00550	0.0	0.0	0.0	0.00550
177.0000E 3	4.0342	2.26000	2.25450	2.16418	0.00550	0.0	0.0	0.0	0.00550
178.0000E 3	4.0286	2.11000	2.10450	2.02035	0.00550	0.0	0.0	0.0	0.00550
180.0000E 3	4.0174	1.75000	1.74440	1.67499	0.00560	0.0	0.0	0.0	0.00560
181.0000E 3	4.0118	1.46000	1.45440	1.39717	0.00560	0.0	0.0	0.0	0.00560
182.0000E 3	4.0063	1.08000	1.07440	1.03348	0.00560	0.0	0.0	0.0	0.00560
183.0000E 3	4.0009	0.61500	0.60940	0.58849	0.00560	0.0	0.0	0.0	0.00560
184.0000E 3	3.9954	0.33000	0.32440	0.31582	0.00560	0.0	0.0	0.0	0.00560
185.0000E 3	3.9900	0.85000	0.84440	0.81293	0.00560	0.0	0.0	0.0	0.00560
186.0000E 3	3.9846	4.00000	3.99430	3.82425	0.00570	0.0	0.0	0.0	0.00570

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
166.0000E 3	4.0984	0.0	0.0	0.00540	0.04070	0.0	0.0	0.0	0.0
167.0000E 3	4.0923	0.0	0.0	0.00540	0.04080	0.0	0.0	0.0	0.0
168.2000E 3	4.0852	0.0	0.0	0.00540	0.04100	0.0	0.0	0.0	0.0
169.0000E 3	4.0804	0.0	0.0	0.00550	0.04110	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	0.0	0.0	0.00550	0.04130	0.0	0.0	0.0	0.0
171.0000E 3	4.0687	0.0	0.0	0.00550	0.04150	0.0	0.0	0.0	0.0
172.0000E 3	4.0628	0.0	0.0	0.00550	0.04160	0.0	0.0	0.0	0.0
173.0000E 3	4.0570	0.0	0.0	0.00550	0.04180	0.0	0.0	0.0	0.0
174.0000E 3	4.0513	0.0	0.0	0.00550	0.04200	0.0	0.0	0.0	0.0
175.0000E 3	4.0456	0.0	0.0	0.00550	0.04220	0.0	0.0	0.0	0.0
176.0000E 3	4.0399	0.0	0.0	0.00550	0.04230	0.0	0.0	0.0	0.0
177.0000E 3	4.0342	0.0	0.0	0.00550	0.04250	0.0	0.0	0.0	0.0
178.0000E 3	4.0286	0.0	0.0	0.00550	0.04260	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.00560	0.04300	0.0	0.0	0.0	0.0
181.0000E 3	4.0118	0.0	0.0	0.00560	0.04320	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	0.0	0.0	0.00560	0.04330	0.0	0.0	0.0	0.0
183.0000E 3	4.0009	0.0	0.0	0.00560	0.04350	0.0	0.0	0.0	0.0
184.0000E 3	3.9954	0.0	0.0	0.00560	0.04370	0.0	0.0	0.0	0.0
185.0000E 3	3.9900	0.0	0.0	0.00560	0.04390	0.0	0.0	0.0	0.0
186.0000E 3	3.9846	0.0	0.0	0.00570	0.04400	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 17

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
188.3000E 3	3.9723	12.07000	12.06430	11.53555	0.00570	0.0	0.0	0.0	0.00570
189.0000E 3	3.9686	9.85000	9.84430	9.41193	0.00570	0.0	0.0	0.0	0.00570
190.0000E 3	3.9633	8.34000	8.33430	7.96746	0.00570	0.0	0.0	0.0	0.00570
192.0000E 3	3.9528	7.00000	6.99430	6.68526	0.00570	0.0	0.0	0.0	0.00570
194.0000E 3	3.9425	6.27500	6.26920	5.99101	0.00580	0.0	0.0	0.0	0.00580
196.0000E 3	3.9322	5.76000	5.75420	5.49761	0.00580	0.0	0.0	0.0	0.00580
198.0000E 3	3.9221	5.30000	5.29420	5.05700	0.00580	0.0	0.0	0.0	0.00580
200.0000E 3	3.9120	4.91500	4.90910	4.68820	0.00590	0.0	0.0	0.0	0.00590
205.0000E 3	3.8873	3.89500	3.88900	3.69588	0.00600	0.0	0.0	0.0	0.00600
210.0000E 3	3.8632	2.61000	2.60380	2.46367	0.00620	0.0	0.0	0.0	0.00620
212.0000E 3	3.8538	2.00000	1.99370	1.88397	0.00630	0.0	0.0	0.0	0.00630
214.0000E 3	3.8444	1.41000	1.40370	1.32550	0.00630	0.0	0.0	0.0	0.00630
215.0000E 3	3.8397	1.35000	1.34360	1.26777	0.00640	0.0	0.0	0.0	0.00640
216.0000E 3	3.8351	1.39000	1.38360	1.30394	0.00640	0.0	0.0	0.0	0.00640
217.0000E 3	3.8304	2.10000	2.09350	1.96769	0.00650	0.0	0.0	0.0	0.00650
218.0000E 3	3.8258	3.17000	3.16350	2.96690	0.00650	0.0	0.0	0.0	0.00650
219.0000E 3	3.8213	5.63000	5.62340	5.26335	0.00660	0.0	0.0	0.0	0.00660
220.0000E 3	3.8167	4.78000	4.77340	4.46400	0.00660	0.0	0.0	0.0	0.00660
221.0000E 3	3.8122	3.84000	3.83340	3.58240	0.00660	0.0	0.0	0.0	0.00660
222.0000E 3	3.8077	3.71500	3.70830	3.46209	0.00670	0.0	0.0	0.0	0.00670

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
188.3000E 3	3.9723	0.0	0.0	0.00570	0.04430	0.0	0.0	0.0	0.0
189.0000E 3	3.9686	0.0	0.0	0.00570	0.04450	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	0.0	0.0	0.00570	0.04470	0.0	0.0	0.0	0.0
192.0000E 3	3.9528	0.0	0.0	0.00570	0.04500	0.0	0.0	0.0	0.0
194.0000E 3	3.9425	0.0	0.0	0.00580	0.04530	0.0	0.0	0.0	0.0
196.0000E 3	3.9322	0.0	0.0	0.00580	0.04560	0.0	0.0	0.0	0.0
198.0000E 3	3.9221	0.0	0.0	0.00580	0.04590	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.00590	0.04620	0.0	0.0	0.0	0.0
205.0000E 3	3.8873	0.0	0.0	0.00600	0.05120	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	0.0	0.0	0.00620	0.05620	0.0	0.0	0.0	0.0
212.0000E 3	3.8538	0.0	0.0	0.00630	0.05820	0.0	0.0	0.0	0.0
214.0000E 3	3.8444	0.0	0.0	0.00630	0.06020	0.0	0.0	0.0	0.0
215.0000E 3	3.8397	0.0	0.0	0.00640	0.06120	0.0	0.0	0.0	0.0
216.0000E 3	3.8351	0.0	0.0	0.00640	0.06220	0.0	0.0	0.0	0.0
217.0000E 3	3.8304	0.0	0.0	0.00650	0.06320	0.0	0.0	0.0	0.0
218.0000E 3	3.8258	0.0	0.0	0.00650	0.06420	0.0	0.0	0.0	0.0
219.0000E 3	3.8213	0.0	0.0	0.00660	0.06520	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	0.0	0.0	0.00660	0.06620	0.0	0.0	0.0	0.0
221.0000E 3	3.8122	0.0	0.0	0.00660	0.06720	0.0	0.0	0.0	0.0
222.0000E 3	3.8077	0.0	0.0	0.00670	0.06820	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 18

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
223.0000E 3	3.8032	3.65500	3.64830	3.40254	0.00670	0.0	0.0	0.0	0.00670
225.0000E 3	3.7942	3.62000	3.61320	3.36310	0.00680	0.0	0.0	0.0	0.00680
227.0000E 3	3.7854	3.58000	3.57320	3.31880	0.00680	0.0	0.0	0.0	0.00680
228.0000E 3	3.7810	3.55000	3.54320	3.28745	0.00680	0.0	0.0	0.0	0.00680
229.0000E 3	3.7766	3.48000	3.47320	3.21916	0.00680	0.0	0.0	0.0	0.00680
230.0000E 3	3.7723	3.37000	3.36320	3.11406	0.00680	0.0	0.0	0.0	0.00680
235.0000E 3	3.7508	2.42000	2.41310	2.22454	0.00690	0.0	0.0	0.0	0.00690
237.0000E 3	3.7423	2.29000	2.28310	2.10050	0.00690	0.0	0.0	0.0	0.00690
238.0000E 3	3.7381	2.26000	2.25310	2.07074	0.00690	0.0	0.0	0.0	0.00690
239.0000E 3	3.7339	2.27000	2.26310	2.07764	0.00690	0.0	0.0	0.0	0.00690
240.0000E 3	3.7297	2.47000	2.46310	2.25817	0.00690	0.0	0.0	0.0	0.00690
242.0000E 3	3.7214	3.85000	3.84310	3.51181	0.00690	0.0	0.0	0.0	0.00690
243.3000E 3	3.7160	4.14000	4.13310	3.77091	0.00690	0.0	0.0	0.0	0.00690
244.0000E 3	3.7132	3.88600	3.87910	3.53688	0.00690	0.0	0.0	0.0	0.00690
245.0000E 3	3.7091	3.60700	3.60010	3.27939	0.00690	0.0	0.0	0.0	0.00690
246.0000E 3	3.7050	3.41300	3.40610	3.09964	0.00690	0.0	0.0	0.0	0.00690
248.0000E 3	3.6969	3.14200	3.13510	2.84730	0.00690	0.0	0.0	0.0	0.00690
250.0000E 3	3.6889	2.95000	2.94310	2.66746	0.00690	0.0	0.0	0.0	0.00690
252.0000E 3	3.6809	2.84600	2.83920	2.56776	0.00680	0.0	0.0	0.0	0.00680
254.0000E 3	3.6730	2.77500	2.76830	2.49817	0.00670	0.0	0.0	0.0	0.00670

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
223.0000E 3	3.8032	0.0	0.0	0.00670	0.06920	0.0	0.0	0.0	0.0
225.0000E 3	3.7942	0.0	0.0	0.00680	0.07110	0.0	0.0	0.0	0.0
227.0000E 3	3.7854	0.0	0.0	0.00680	0.07310	0.0	0.0	0.0	0.0
228.0000E 3	3.7810	0.0	0.0	0.00680	0.07410	0.0	0.0	0.0	0.0
229.0000E 3	3.7766	0.0	0.0	0.00680	0.07510	0.0	0.0	0.0	0.0
230.0000E 3	3.7723	0.0	0.0	0.00680	0.07610	0.0	0.0	0.0	0.0
235.0000E 3	3.7508	0.0	0.0	0.00690	0.08100	0.0	0.0	0.0	0.0
237.0000E 3	3.7423	0.0	0.0	0.00690	0.08300	0.0	0.0	0.0	0.0
238.0000E 3	3.7381	0.0	0.0	0.00690	0.08400	0.0	0.0	0.0	0.0
239.0000E 3	3.7339	0.0	0.0	0.00690	0.08500	0.0	0.0	0.0	0.0
240.0000E 3	3.7297	0.0	0.0	0.00690	0.08600	0.0	0.0	0.0	0.0
242.0000E 3	3.7214	0.0	0.0	0.00690	0.08800	0.0	0.0	0.0	0.0
243.3000E 3	3.7160	0.0	0.0	0.00690	0.08930	0.0	0.0	0.0	0.0
244.0000E 3	3.7132	0.0	0.0	0.00690	0.09000	0.0	0.0	0.0	0.0
245.0000E 3	3.7091	0.0	0.0	0.00690	0.09100	0.0	0.0	0.0	0.0
246.0000E 3	3.7050	0.0	0.0	0.00690	0.09200	0.0	0.0	0.0	0.0
248.0000E 3	3.6969	0.0	0.0	0.00690	0.09400	0.0	0.0	0.0	0.0
250.0000E 3	3.6889	0.0	0.0	0.00690	0.09600	0.0	0.0	0.0	0.0
252.0000E 3	3.6809	0.0	0.0	0.00680	0.09800	0.0	0.0	0.0	0.0
254.0000E 3	3.6730	0.0	0.0	0.00670	0.10000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
256.0000E 3	3.6652	2.69700	2.69040	2.42258	0.00660	0.0	0.0	0.0	0.00660
258.0000E 3	3.6574	2.56600	2.55960	2.29980	0.00640	0.0	0.0	0.0	0.00640
260.0000E 3	3.6497	2.39300	2.38670	2.14001	0.00630	0.0	0.0	0.0	0.00630
262.0000E 3	3.6420	2.13400	2.12780	1.90420	0.00620	0.0	0.0	0.0	0.00620
264.0000E 3	3.6344	1.82200	1.81590	1.62225	0.00610	0.0	0.0	0.0	0.00610
266.0000E 3	3.6268	1.39000	1.38400	1.23499	0.00600	0.0	0.0	0.0	0.00600
267.0000E 3	3.6231	1.20200	1.19610	1.06684	0.00590	0.0	0.0	0.0	0.00590
268.0000E 3	3.6194	1.08200	1.07620	0.95931	0.00580	0.0	0.0	0.0	0.00580
268.5000E 3	3.6175	1.04000	1.03420	0.92158	0.00580	0.0	0.0	0.0	0.00580
269.0000E 3	3.6156	1.05000	1.04430	0.92991	0.00570	0.0	0.0	0.0	0.00570
270.0000E 3	3.6119	1.85000	1.84430	1.63606	0.00570	0.0	0.0	0.0	0.00570
271.0000E 3	3.6082	2.85500	2.84930	2.52163	0.00570	0.0	0.0	0.0	0.00570
272.0000E 3	3.6045	3.81000	3.80440	3.36108	0.00560	0.0	0.0	0.0	0.00560
273.0000E 3	3.6009	4.77500	4.76940	4.20744	0.00560	0.0	0.0	0.0	0.00560
274.0000E 3	3.5972	5.46500	5.45950	4.80986	0.00550	0.0	0.0	0.0	0.00550
274.5000E 3	3.5954	5.49000	5.48450	4.82912	0.00550	0.0	0.0	0.0	0.00550
275.0000E 3	3.5936	5.49000	5.48450	4.82638	0.00550	0.0	0.0	0.0	0.00550
276.0000E 3	3.5899	5.25400	5.24860	4.61367	0.00540	0.0	0.0	0.0	0.00540
278.0000E 3	3.5827	4.01500	4.00960	3.51781	0.00540	0.0	0.0	0.0	0.00540
280.0000E 3	3.5756	3.58300	3.57770	3.13221	0.00530	0.0	0.0	0.0	0.00530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
256.0000E 3	3.6652	0.0	0.0	0.00660	0.10200	0.0	0.0	0.0	0.0
258.0000E 3	3.6574	0.0	0.0	0.00640	0.10400	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.0	0.0	0.00630	0.10600	0.0	0.0	0.0	0.0
262.0000E 3	3.6420	0.0	0.0	0.00620	0.10800	0.0	0.0	0.0	0.0
264.0000E 3	3.6344	0.0	0.0	0.00610	0.11000	0.0	0.0	0.0	0.0
266.0000E 3	3.6268	0.0	0.0	0.00600	0.11200	0.0	0.0	0.0	0.0
267.0000E 3	3.6231	0.0	0.0	0.00590	0.11300	0.0	0.0	0.0	0.0
268.0000E 3	3.6194	0.0	0.0	0.00580	0.11400	0.0	0.0	0.0	0.0
268.5000E 3	3.6175	0.0	0.0	0.00580	0.11450	0.0	0.0	0.0	0.0
269.0000E 3	3.6156	0.0	0.0	0.00570	0.11500	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.0	0.0	0.00570	0.11600	0.0	0.0	0.0	0.0
271.0000E 3	3.6082	0.0	0.0	0.00570	0.11700	0.0	0.0	0.0	0.0
272.0000E 3	3.6045	0.0	0.0	0.00560	0.11800	0.0	0.0	0.0	0.0
273.0000E 3	3.6009	0.0	0.0	0.00560	0.11900	0.0	0.0	0.0	0.0
274.0000E 3	3.5972	0.0	0.0	0.00550	0.12000	0.0	0.0	0.0	0.0
274.5000E 3	3.5954	0.0	0.0	0.00550	0.12050	0.0	0.0	0.0	0.0
275.0000E 3	3.5936	0.0	0.0	0.00550	0.12100	0.0	0.0	0.0	0.0
276.0000E 3	3.5899	0.0	0.0	0.00540	0.12200	0.0	0.0	0.0	0.0
278.0000E 3	3.5827	0.0	0.0	0.00540	0.12400	0.0	0.0	0.0	0.0
280.0000E 3	3.5756	0.0	0.0	0.00530	0.12600	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 20

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
282.0000E 3	3.5684	3.30000	3.29470	2.87828	0.00530	0.0	0.0	0.0	0.00530
284.0000E 3	3.5614	3.08600	3.08070	2.68551	0.00530	0.0	0.0	0.0	0.00530
286.0000E 3	3.5543	2.90700	2.90170	2.52398	0.00530	0.0	0.0	0.0	0.00530
288.0000E 3	3.5474	2.70400	2.69870	2.34237	0.00530	0.0	0.0	0.0	0.00530
290.0000E 3	3.5405	2.44500	2.43970	2.11320	0.00530	0.0	0.0	0.0	0.00530
292.0000E 3	3.5336	2.12700	2.12170	1.83421	0.00530	0.0	0.0	0.0	0.00530
294.0000E 3	3.5268	1.84000	1.83470	1.58314	0.00530	0.0	0.0	0.0	0.00530
296.0000E 3	3.5200	1.63500	1.62970	1.40358	0.00530	0.0	0.0	0.0	0.00530
298.0000E 3	3.5132	1.47300	1.46770	1.26165	0.00530	0.0	0.0	0.0	0.00530
300.0000E 3	3.5066	1.34200	1.33680	1.14683	0.00520	0.0	0.0	0.0	0.00520
302.0000E 3	3.4999	1.23400	1.22880	1.05791	0.00520	0.0	0.0	0.0	0.00520
304.0000E 3	3.4933	1.15400	1.14880	0.99271	0.00520	0.0	0.0	0.0	0.00520
306.0000E 3	3.4868	1.09200	1.08680	0.94246	0.00520	0.0	0.0	0.0	0.00520
307.0000E 3	3.4835	1.06700	1.06180	0.92260	0.00520	0.0	0.0	0.0	0.00520
308.0000E 3	3.4802	1.05300	1.04780	0.91207	0.00520	0.0	0.0	0.0	0.00520
309.0000E 3	3.4770	1.07500	1.06980	0.93272	0.00520	0.0	0.0	0.0	0.00520
310.0000E 3	3.4738	1.21300	1.20780	1.05417	0.00520	0.0	0.0	0.0	0.00520
312.0000E 3	3.4673	1.69500	1.68990	1.47751	0.00510	0.0	0.0	0.0	0.00510
315.0000E 3	3.4578	3.11000	3.10490	2.72344	0.00510	0.0	0.0	0.0	0.00510
318.0000E 3	3.4483	4.87000	4.86490	4.28524	0.00510	0.0	0.0	0.0	0.00510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
282.0000E 3	3.5684	0.0	0.0	0.00530	0.12800	0.0	0.0	0.0	0.0
284.0000E 3	3.5614	0.0	0.0	0.00530	0.13000	0.0	0.0	0.0	0.0
286.0000E 3	3.5543	0.0	0.0	0.00530	0.13200	0.0	0.0	0.0	0.0
288.0000E 3	3.5474	0.0	0.0	0.00530	0.13400	0.0	0.0	0.0	0.0
290.0000E 3	3.5405	0.0	0.0	0.00530	0.13600	0.0	0.0	0.0	0.0
292.0000E 3	3.5336	0.0	0.0	0.00530	0.13800	0.0	0.0	0.0	0.0
294.0000E 3	3.5268	0.0	0.0	0.00530	0.14000	0.0	0.0	0.0	0.0
296.0000E 3	3.5200	0.0	0.0	0.00530	0.14200	0.0	0.0	0.0	0.0
298.0000E 3	3.5132	0.0	0.0	0.00530	0.14400	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.00520	0.14600	0.0	0.0	0.0	0.0
302.0000E 3	3.4999	0.0	0.0	0.00520	0.14330	0.0	0.0	0.0	0.0
304.0000E 3	3.4933	0.0	0.0	0.00520	0.14040	0.0	0.0	0.0	0.0
306.0000E 3	3.4868	0.0	0.0	0.00520	0.13760	0.0	0.0	0.0	0.0
307.0000E 3	3.4835	0.0	0.0	0.00520	0.13600	0.0	0.0	0.0	0.0
308.0000E 3	3.4802	0.0	0.0	0.00520	0.13450	0.0	0.0	0.0	0.0
309.0000E 3	3.4770	0.0	0.0	0.00520	0.13300	0.0	0.0	0.0	0.0
310.0000E 3	3.4738	0.0	0.0	0.00520	0.13150	0.0	0.0	0.0	0.0
312.0000E 3	3.4673	0.0	0.0	0.00510	0.12870	0.0	0.0	0.0	0.0
315.0000E 3	3.4578	0.0	0.0	0.00510	0.12450	0.0	0.0	0.0	0.0
318.0000E 3	3.4483	0.0	0.0	0.00510	0.12020	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 21

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
319.0000E 3	3.4451	5.16000	5.15490	4.54760	0.00510	0.0	0.0	0.0	0.00510
320.0000E 3	3.4420	5.00000	4.99490	4.41410	0.00510	0.0	0.0	0.0	0.00510
325.0000E 3	3.4265	4.01500	4.00990	3.57391	0.00510	0.0	0.0	0.0	0.00510
330.0000E 3	3.4112	3.34200	3.33690	2.99930	0.00510	0.0	0.0	0.0	0.00510
335.0000E 3	3.3962	2.83600	2.83090	2.56480	0.00510	0.0	0.0	0.0	0.00510
340.0000E 3	3.3814	2.30000	2.29500	2.09689	0.00500	0.0	0.0	0.0	0.00500
342.0000E 3	3.3755	2.03500	2.03000	1.86123	0.00500	0.0	0.0	0.0	0.00500
344.0000E 3	3.3697	1.78600	1.78100	1.63871	0.00500	0.0	0.0	0.0	0.00500
346.0000E 3	3.3639	1.62300	1.61800	1.49405	0.00500	0.0	0.0	0.0	0.00500
348.0000E 3	3.3581	1.50800	1.50300	1.39242	0.00500	0.0	0.0	0.0	0.00500
350.0000E 3	3.3524	1.45000	1.44500	1.34307	0.00500	0.0	0.0	0.0	0.00500
352.0000E 3	3.3467	1.53000	1.52500	1.42249	0.00500	0.0	0.0	0.0	0.00500
354.0000E 3	3.3410	1.87000	1.86500	1.74467	0.00500	0.0	0.0	0.0	0.00500
360.0000E 3	3.3242	4.75500	4.75000	4.48710	0.00500	0.0	0.0	0.0	0.00500
361.0000E 3	3.3215	4.90000	4.89500	4.63273	0.00500	0.0	0.0	0.0	0.00500
362.0000E 3	3.3187	4.35500	4.35000	4.12532	0.00500	0.0	0.0	0.0	0.00500
364.0000E 3	3.3132	3.66000	3.65500	3.47871	0.00500	0.0	0.0	0.0	0.00500
366.0000E 3	3.3077	3.13000	3.12500	2.98688	0.00500	0.0	0.0	0.0	0.00500
368.0000E 3	3.3023	2.47500	2.47000	2.37003	0.00500	0.0	0.0	0.0	0.00500
370.0000E 3	3.2968	1.83000	1.82500	1.75810	0.00500	0.0	0.0	0.0	0.00500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
319.0000E 3	3.4451	0.0	0.0	0.00510	0.11880	0.0	0.0	0.0	0.0
320.0000E 3	3.4420	0.0	0.0	0.00510	0.11730	0.0	0.0	0.0	0.0
325.0000E 3	3.4265	0.0	0.0	0.00510	0.11000	0.0	0.0	0.0	0.0
330.0000E 3	3.4112	0.0	0.0	0.00510	0.10270	0.0	0.0	0.0	0.0
335.0000E 3	3.3962	0.0	0.0	0.00510	0.09580	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	0.0	0.0	0.00500	0.08850	0.0	0.0	0.0	0.0
342.0000E 3	3.3755	0.0	0.0	0.00500	0.08560	0.0	0.0	0.0	0.0
344.0000E 3	3.3697	0.0	0.0	0.00500	0.08270	0.0	0.0	0.0	0.0
346.0000E 3	3.3639	0.0	0.0	0.00500	0.07970	0.0	0.0	0.0	0.0
348.0000E 3	3.3581	0.0	0.0	0.00500	0.07690	0.0	0.0	0.0	0.0
350.0000E 3	3.3524	0.0	0.0	0.00500	0.07400	0.0	0.0	0.0	0.0
352.0000E 3	3.3467	0.0	0.0	0.00500	0.07050	0.0	0.0	0.0	0.0
354.0000E 3	3.3410	0.0	0.0	0.00500	0.06720	0.0	0.0	0.0	0.0
360.0000E 3	3.3242	0.0	0.0	0.00500	0.05640	0.0	0.0	0.0	0.0
361.0000E 3	3.3215	0.0	0.0	0.00500	0.05460	0.0	0.0	0.0	0.0
362.0000E 3	3.3187	0.0	0.0	0.00500	0.05280	0.0	0.0	0.0	0.0
364.0000E 3	3.3132	0.0	0.0	0.00500	0.04960	0.0	0.0	0.0	0.0
366.0000E 3	3.3077	0.0	0.0	0.00500	0.04580	0.0	0.0	0.0	0.0
368.0000E 3	3.3023	0.0	0.0	0.00500	0.04250	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	0.0	0.0	0.00500	0.03940	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 22

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
371.0000E 3	3.2941	1.74000	1.73500	1.67476	0.00500	0.0	0.0	0.0	0.00500
372.0000E 3	3.2914	1.70600	1.70100	1.64527	0.00500	0.0	0.0	0.0	0.00500
373.0000E 3	3.2888	1.71000	1.70500	1.65203	0.00500	0.0	0.0	0.0	0.00500
374.0000E 3	3.2861	1.77000	1.76500	1.71299	0.00500	0.0	0.0	0.0	0.00500
375.0000E 3	3.2834	1.94000	1.93500	1.88118	0.00500	0.0	0.0	0.0	0.00500
376.0000E 3	3.2808	2.16500	2.16010	2.10301	0.00490	0.0	0.0	0.0	0.00490
378.0000E 3	3.2754	2.79000	2.78510	2.71982	0.00490	0.0	0.0	0.0	0.00490
380.0000E 3	3.2702	3.68000	3.67510	3.60062	0.00490	0.0	0.0	0.0	0.00490
382.0000E 3	3.2649	4.48000	4.47510	4.39766	0.00490	0.0	0.0	0.0	0.00490
384.0000E 3	3.2597	4.98000	4.97510	4.90736	0.00490	0.0	0.0	0.0	0.00490
386.0000E 3	3.2545	5.31500	5.31010	5.25446	0.00490	0.0	0.0	0.0	0.00490
388.0000E 3	3.2493	5.57000	5.56510	5.52715	0.00490	0.0	0.0	0.0	0.00490
389.0000E 3	3.2468	5.57000	5.56510	5.53661	0.00490	0.0	0.0	0.0	0.00490
390.0000E 3	3.2442	5.41000	5.40510	5.38622	0.00490	0.0	0.0	0.0	0.00490
392.0000E 3	3.2391	5.01000	5.00510	5.00600	0.00490	0.0	0.0	0.0	0.00490
394.0000E 3	3.2340	4.71300	4.70810	4.72524	0.00490	0.0	0.0	0.0	0.00490
396.0000E 3	3.2289	4.46500	4.46010	4.49399	0.00490	0.0	0.0	0.0	0.00490
398.0000E 3	3.2239	4.28000	4.27510	4.32190	0.00490	0.0	0.0	0.0	0.00490
399.0000E 3	3.2214	4.26000	4.25510	4.30893	0.00490	0.0	0.0	0.0	0.00490
400.0000E 3	3.2189	4.20000	4.19510	4.25454	0.00490	0.0	0.0	0.0	0.00490

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
371.0000E 3	3.2941	0.0	0.0	0.00500	0.03760	0.0	0.0	0.0	0.0
372.0000E 3	3.2914	0.0	0.0	0.00500	0.03570	0.0	0.0	0.0	0.0
373.0000E 3	3.2888	0.0	0.0	0.00500	0.03400	0.0	0.0	0.0	0.0
374.0000E 3	3.2861	0.0	0.0	0.00500	0.03230	0.0	0.0	0.0	0.0
375.0000E 3	3.2834	0.0	0.0	0.00500	0.03040	0.0	0.0	0.0	0.0
376.0000E 3	3.2808	0.0	0.0	0.00490	0.02870	0.0	0.0	0.0	0.0
378.0000E 3	3.2754	0.0	0.0	0.00490	0.02520	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.0	0.0	0.00490	0.02160	0.0	0.0	0.0	0.0
382.0000E 3	3.2649	0.0	0.0	0.00490	0.01840	0.0	0.0	0.0	0.0
384.0000E 3	3.2597	0.0	0.0	0.00490	0.01460	0.0	0.0	0.0	0.0
386.0000E 3	3.2545	0.0	0.0	0.00490	0.01140	0.0	0.0	0.0	0.0
388.0000E 3	3.2493	0.0	0.0	0.00490	0.00770	0.0	0.0	0.0	0.0
389.0000E 3	3.2468	0.0	0.0	0.00490	0.00600	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	0.0	0.0	0.00490	0.00440	0.0	0.0	0.0	0.0
392.0000E 3	3.2391	0.0	0.0	0.00490	0.00080	0.0	0.0	0.0	0.0
394.0000E 3	3.2340	0.0	0.0	0.00490	-0.00260	0.0	0.0	0.0	0.0
396.0000E 3	3.2289	0.0	0.0	0.00490	-0.00650	0.0	0.0	0.0	0.0
398.0000E 3	3.2239	0.0	0.0	0.00490	-0.00980	0.0	0.0	0.0	0.0
399.0000E 3	3.2214	0.0	0.0	0.00490	-0.01150	0.0	0.0	0.0	0.0
400.0000E 3	3.2189	0.0	0.0	0.00490	-0.01300	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 23

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
405.0000E 3	3.2065	5.30000	5.29510	5.28941	0.00490	0.0	0.0	0.0	0.00490
410.0000E 3	3.1942	4.35000	4.34510	4.27700	0.00490	0.0	0.0	0.0	0.00490
414.0000E 3	3.1845	4.70000	4.69510	4.56478	0.00490	0.0	0.0	0.0	0.00490
422.0000E 3	3.1653	3.70000	3.69510	3.50564	0.00490	0.0	0.0	0.0	0.00490
430.0000E 3	3.1466	4.00000	3.99510	3.69358	0.00490	0.0	0.0	0.0	0.00490
435.0000E 3	3.1350	4.40000	4.39510	3.96357	0.00490	0.0	0.0	0.0	0.00490
445.0000E 3	3.1123	3.60000	3.59510	3.16212	0.00490	0.0	0.0	0.0	0.00490
455.0000E 3	3.0900	2.70000	2.69510	2.33023	0.00490	0.0	0.0	0.0	0.00490
465.0000E 3	3.0683	3.10000	3.09510	2.67380	0.00490	0.0	0.0	0.0	0.00490
472.0000E 3	3.0534	3.60000	3.59510	3.10388	0.00490	0.0	0.0	0.0	0.00490
480.0000E 3	3.0366	3.20000	3.19500	2.75781	0.00500	0.0	0.0	0.0	0.00500
485.0000E 3	3.0262	3.00000	2.99500	2.58429	0.00500	0.0	0.0	0.0	0.00500
490.0000E 3	3.0159	3.13000	3.12500	2.69500	0.00500	0.0	0.0	0.0	0.00500
495.0000E 3	3.0058	3.26000	3.25500	2.80560	0.00500	0.0	0.0	0.0	0.00500
500.0000E 3	2.9957	3.40000	3.39490	2.92471	0.00500	0.0	0.00010	0.0	0.00510
505.0000E 3	2.9858	4.62000	4.61490	3.90469	0.00500	0.0	0.00010	0.0	0.00510
506.4000E 3	2.9830	3.00000	2.99490	2.52381	0.00500	0.0	0.00010	0.0	0.00510
507.3000E 3	2.9812	2.84000	2.83490	2.38358	0.00500	0.0	0.00010	0.0	0.00510
509.1000E 3	2.9777	2.08000	2.07490	1.73349	0.00500	0.0	0.00010	0.0	0.00510
510.3000E 3	2.9753	1.95000	1.94490	1.61937	0.00500	0.0	0.00010	0.0	0.00510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
405.0000E 3	3.2065	0.0	0.0	0.00490	0.00200	0.0	0.0	0.0	0.0
410.0000E 3	3.1942	0.0	0.0	0.00490	0.01680	0.0	0.0	0.0	0.0
414.0000E 3	3.1845	0.0	0.0	0.00490	0.02880	0.0	0.0	0.0	0.0
422.0000E 3	3.1653	0.0	0.0	0.00490	0.05260	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	0.0	0.0	0.00490	0.07670	0.0	0.0	0.0	0.0
435.0000E 3	3.1350	0.0	0.0	0.00490	0.09930	0.0	0.0	0.0	0.0
445.0000E 3	3.1123	0.0	0.0	0.00490	0.12180	0.0	0.0	0.0	0.0
455.0000E 3	3.0900	0.0	0.0	0.00490	0.13720	0.0	0.0	0.0	0.0
465.0000E 3	3.0683	0.0	0.0	0.00490	0.13770	0.0	0.0	0.0	0.0
472.0000E 3	3.0534	0.0	0.0	0.00490	0.13800	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	0.0	0.0	0.00500	0.13840	0.0	0.0	0.0	0.0
485.0000E 3	3.0262	0.0	0.0	0.00500	0.13880	0.0	0.0	0.0	0.0
490.0000E 3	3.0159	0.0	0.0	0.00500	0.13920	0.0	0.0	0.0	0.0
495.0000E 3	3.0058	0.0	0.0	0.00500	0.13960	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.00510	0.14000	0.0	0.0	0.0	0.0
505.0000E 3	2.9858	0.0	0.0	0.00510	0.15500	0.0	0.0	0.0	0.0
506.4000E 3	2.9830	0.0	0.0	0.00510	0.15900	0.0	0.0	0.0	0.0
507.3000E 3	2.9812	0.0	0.0	0.00510	0.16100	0.0	0.0	0.0	0.0
509.1000E 3	2.9777	0.0	0.0	0.00510	0.16700	0.0	0.0	0.0	0.0
510.3000E 3	2.9753	0.0	0.0	0.00510	0.17000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
510.8000E 3	2.9744	2.55000	2.54490	2.10973	0.00500	0.0	0.00010	0.0	0.00510
511.4000E 3	2.9732	2.70000	2.69490	2.23378	0.00500	0.0	0.00010	0.0	0.00510
512.4000E 3	2.9712	4.57000	4.56490	3.76658	0.00500	0.0	0.00010	0.0	0.00510
512.9000E 3	2.9703	4.43000	4.42490	3.63794	0.00500	0.0	0.00010	0.0	0.00510
513.1000E 3	2.9699	4.63000	4.62490	3.80214	0.00500	0.0	0.00010	0.0	0.00510
513.5000E 3	2.9691	4.35000	4.34490	3.56792	0.00500	0.0	0.00010	0.0	0.00510
514.4000E 3	2.9673	3.28000	3.27490	2.68069	0.00500	0.0	0.00010	0.0	0.00510
515.2000E 3	2.9658	2.61000	2.60490	2.12809	0.00500	0.0	0.00010	0.0	0.00510
516.2000E 3	2.9638	2.27000	2.26490	1.84420	0.00500	0.0	0.00010	0.0	0.00510
517.4000E 3	2.9615	2.10000	2.09490	1.69987	0.00500	0.0	0.00010	0.0	0.00510
520.0000E 3	2.9565	1.93000	1.92490	1.54502	0.00500	0.0	0.00010	0.0	0.00510
523.1000E 3	2.9506	1.85000	1.84490	1.46442	0.00500	0.0	0.00010	0.0	0.00510
525.6000E 3	2.9458	1.78000	1.77490	1.39840	0.00500	0.0	0.00010	0.0	0.00510
526.9000E 3	2.9433	1.94000	1.93490	1.52593	0.00500	0.0	0.00010	0.0	0.00510
527.8000E 3	2.9416	2.29000	2.28490	1.80103	0.00500	0.0	0.00010	0.0	0.00510
528.2000E 3	2.9409	2.37000	2.36490	1.86391	0.00500	0.0	0.00010	0.0	0.00510
528.6000E 3	2.9401	2.28000	2.27490	1.79317	0.00500	0.0	0.00010	0.0	0.00510
529.9000E 3	2.9377	1.82000	1.81490	1.43343	0.00500	0.0	0.00010	0.0	0.00510
530.5000E 3	2.9365	1.73000	1.72490	1.36260	0.00500	0.0	0.00010	0.0	0.00510
531.2000E 3	2.9352	1.86000	1.85490	1.46676	0.00500	0.0	0.00010	0.0	0.00510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
510.8000E 3	2.9744	0.0	0.0	0.00510	0.17300	0.0	0.0	0.0	0.0
511.4000E 3	2.9732	0.0	0.0	0.00510	0.17300	0.0	0.0	0.0	0.0
512.4000E 3	2.9712	0.0	0.0	0.00510	0.17600	0.0	0.0	0.0	0.0
512.9000E 3	2.9703	0.0	0.0	0.00510	0.17900	0.0	0.0	0.0	0.0
513.1000E 3	2.9699	0.0	0.0	0.00510	0.17900	0.0	0.0	0.0	0.0
513.5000E 3	2.9691	0.0	0.0	0.00510	0.18000	0.0	0.0	0.0	0.0
514.4000E 3	2.9673	0.0	0.0	0.00510	0.18300	0.0	0.0	0.0	0.0
515.2000E 3	2.9658	0.0	0.0	0.00510	0.18500	0.0	0.0	0.0	0.0
516.2000E 3	2.9638	0.0	0.0	0.00510	0.18800	0.0	0.0	0.0	0.0
517.4000E 3	2.9615	0.0	0.0	0.00510	0.19100	0.0	0.0	0.0	0.0
520.0000E 3	2.9565	0.0	0.0	0.00510	0.20000	0.0	0.0	0.0	0.0
523.1000E 3	2.9506	0.0	0.0	0.00510	0.20900	0.0	0.0	0.0	0.0
525.6000E 3	2.9458	0.0	0.0	0.00510	0.21500	0.0	0.0	0.0	0.0
526.9000E 3	2.9433	0.0	0.0	0.00510	0.21400	0.0	0.0	0.0	0.0
527.8000E 3	2.9416	0.0	0.0	0.00510	0.21400	0.0	0.0	0.0	0.0
528.2000E 3	2.9409	0.0	0.0	0.00510	0.21400	0.0	0.0	0.0	0.0
528.6000E 3	2.9401	0.0	0.0	0.00510	0.21400	0.0	0.0	0.0	0.0
529.9000E 3	2.9377	0.0	0.0	0.00510	0.21300	0.0	0.0	0.0	0.0
530.5000E 3	2.9365	0.0	0.0	0.00510	0.21300	0.0	0.0	0.0	0.0
531.2000E 3	2.9352	0.0	0.0	0.00510	0.21200	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
532.0000E 3	2.9337	2.30000	2.29490	1.81348	0.00500	0.0	0.00010	0.0	0.00510
533.0000E 3	2.9318	2.32000	2.31490	1.83156	0.00500	0.0	0.00010	0.0	0.00510
533.9000E 3	2.9301	1.88000	1.87490	1.48440	0.00500	0.0	0.00010	0.0	0.00510
535.1000E 3	2.9279	1.61000	1.60490	1.27297	0.00500	0.0	0.00010	0.0	0.00510
536.0000E 3	2.9262	1.52000	1.51490	1.20187	0.00500	0.0	0.00010	0.0	0.00510
536.6000E 3	2.9251	1.72000	1.71490	1.35987	0.00500	0.0	0.00010	0.0	0.00510
537.4000E 3	2.9236	2.27000	2.26490	1.79664	0.00500	0.0	0.00010	0.0	0.00510
537.9000E 3	2.9227	2.81000	2.80490	2.22378	0.00500	0.0	0.00010	0.0	0.00510
538.4000E 3	2.9217	2.81000	2.80490	2.22378	0.00500	0.0	0.00010	0.0	0.00510
539.6000E 3	2.9195	3.96000	3.95490	3.13738	0.00500	0.0	0.00010	0.0	0.00510
540.3000E 3	2.9182	3.32000	3.31490	2.63050	0.00500	0.0	0.00010	0.0	0.00510
541.5000E 3	2.9160	2.38000	2.37490	1.88840	0.00500	0.0	0.00010	0.0	0.00510
542.6000E 3	2.9140	1.95000	1.94490	1.54741	0.00500	0.0	0.00010	0.0	0.00510
543.8000E 3	2.9118	2.38000	2.37490	1.89077	0.00500	0.0	0.00010	0.0	0.00510
544.6000E 3	2.9103	2.93000	2.92490	2.32747	0.00500	0.0	0.00010	0.0	0.00510
545.8000E 3	2.9081	4.17000	4.16490	3.31620	0.00500	0.0	0.00010	0.0	0.00510
546.5000E 3	2.9068	4.81000	4.80490	3.82980	0.00500	0.0	0.00010	0.0	0.00510
547.3000E 3	2.9053	3.20000	3.19490	2.54824	0.00500	0.0	0.00010	0.0	0.00510
547.9000E 3	2.9042	2.58000	2.57490	2.05472	0.00500	0.0	0.00010	0.0	0.00510
548.7000E 3	2.9028	2.32000	2.31490	1.84776	0.00500	0.0	0.00010	0.0	0.00510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
532.0000E 3	2.9337	0.0	0.0	0.00510	0.21200	0.0	0.0	0.0	0.0
533.0000E 3	2.9318	0.0	0.0	0.00510	0.21100	0.0	0.0	0.0	0.0
533.9000E 3	2.9301	0.0	0.0	0.00510	0.21100	0.0	0.0	0.0	0.0
535.1000E 3	2.9279	0.0	0.0	0.00510	0.21000	0.0	0.0	0.0	0.0
536.0000E 3	2.9262	0.0	0.0	0.00510	0.21000	0.0	0.0	0.0	0.0
536.6000E 3	2.9251	0.0	0.0	0.00510	0.21000	0.0	0.0	0.0	0.0
537.4000E 3	2.9236	0.0	0.0	0.00510	0.20900	0.0	0.0	0.0	0.0
537.9000E 3	2.9227	0.0	0.0	0.00510	0.20900	0.0	0.0	0.0	0.0
538.4000E 3	2.9217	0.0	0.0	0.00510	0.20900	0.0	0.0	0.0	0.0
539.6000E 3	2.9195	0.0	0.0	0.00510	0.20800	0.0	0.0	0.0	0.0
540.3000E 3	2.9182	0.0	0.0	0.00510	0.20800	0.0	0.0	0.0	0.0
541.5000E 3	2.9160	0.0	0.0	0.00510	0.20700	0.0	0.0	0.0	0.0
542.6000E 3	2.9140	0.0	0.0	0.00510	0.20700	0.0	0.0	0.0	0.0
543.8000E 3	2.9118	0.0	0.0	0.00510	0.20600	0.0	0.0	0.0	0.0
544.6000E 3	2.9103	0.0	0.0	0.00510	0.20600	0.0	0.0	0.0	0.0
545.8000E 3	2.9081	0.0	0.0	0.00510	0.20500	0.0	0.0	0.0	0.0
546.5000E 3	2.9068	0.0	0.0	0.00510	0.20400	0.0	0.0	0.0	0.0
547.3000E 3	2.9053	0.0	0.0	0.00510	0.20400	0.0	0.0	0.0	0.0
547.9000E 3	2.9042	0.0	0.0	0.00510	0.20400	0.0	0.0	0.0	0.0
548.7000E 3	2.9028	0.0	0.0	0.00510	0.20400	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 26

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
549.8000E 3	2.9008	2.15000	2.14490	1.71459	0.00500	0.0	0.00010	0.0	0.00510
550.8000E 3	2.8990	2.10000	2.09480	1.66847	0.00510	0.0	0.00010	0.0	0.00520
551.8000E 3	2.8972	2.18000	2.17480	1.72764	0.00510	0.0	0.00010	0.0	0.00520
552.6000E 3	2.8957	2.38000	2.37480	1.88367	0.00510	0.0	0.00010	0.0	0.00520
553.8000E 3	2.8935	1.70000	1.69480	1.33901	0.00510	0.0	0.00010	0.0	0.00520
554.8000E 3	2.8917	1.51000	1.50480	1.18496	0.00510	0.0	0.00010	0.0	0.00520
555.8000E 3	2.8899	1.55000	1.54480	1.21323	0.00510	0.0	0.00010	0.0	0.00520
556.7000E 3	2.8883	1.80000	1.79480	1.40335	0.00510	0.0	0.00010	0.0	0.00520
557.3000E 3	2.8872	2.19000	2.18480	1.70497	0.00510	0.0	0.00010	0.0	0.00520
557.9000E 3	2.8862	2.95000	2.94480	2.29036	0.00510	0.0	0.00010	0.0	0.00520
558.5000E 3	2.8851	3.83000	3.82480	2.96942	0.00510	0.0	0.00010	0.0	0.00520
559.6000E 3	2.8831	2.68000	2.67480	2.07282	0.00510	0.0	0.00010	0.0	0.00520
560.0000E 3	2.8824	2.85000	2.84480	2.20139	0.00510	0.0	0.00010	0.0	0.00520
561.1000E 3	2.8804	5.40000	5.39480	4.15380	0.00510	0.0	0.00010	0.0	0.00520
561.5000E 3	2.8797	5.12000	5.11480	3.93337	0.00510	0.0	0.00010	0.0	0.00520
562.7000E 3	2.8776	3.77000	3.76480	2.88151	0.00510	0.0	0.00010	0.0	0.00520
563.6000E 3	2.8760	3.30000	3.29480	2.51584	0.00510	0.0	0.00010	0.0	0.00520
564.2000E 3	2.8749	3.16000	3.15480	2.40600	0.00510	0.0	0.00010	0.0	0.00520
565.4000E 3	2.8728	3.15000	3.14480	2.38896	0.00510	0.0	0.00010	0.0	0.00520
566.0000E 3	2.8717	3.03000	3.02480	2.29195	0.00510	0.0	0.00010	0.0	0.00520

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
549.8000E 3	2.9008	0.0	0.0	0.00510	0.20300	0.0	0.0	0.0	0.0
550.8000E 3	2.8990	0.0	0.0	0.00520	0.20600	0.0	0.0	0.0	0.0
551.8000E 3	2.8972	0.0	0.0	0.00520	0.20800	0.0	0.0	0.0	0.0
552.6000E 3	2.8957	0.0	0.0	0.00520	0.20900	0.0	0.0	0.0	0.0
553.8000E 3	2.8935	0.0	0.0	0.00520	0.21300	0.0	0.0	0.0	0.0
554.8000E 3	2.8917	0.0	0.0	0.00520	0.21600	0.0	0.0	0.0	0.0
555.8000E 3	2.8899	0.0	0.0	0.00520	0.21800	0.0	0.0	0.0	0.0
556.7000E 3	2.8883	0.0	0.0	0.00520	0.22100	0.0	0.0	0.0	0.0
557.3000E 3	2.8872	0.0	0.0	0.00520	0.22200	0.0	0.0	0.0	0.0
557.9000E 3	2.8862	0.0	0.0	0.00520	0.22400	0.0	0.0	0.0	0.0
558.5000E 3	2.8851	0.0	0.0	0.00520	0.22500	0.0	0.0	0.0	0.0
559.6000E 3	2.8831	0.0	0.0	0.00520	0.22700	0.0	0.0	0.0	0.0
560.0000E 3	2.8824	0.0	0.0	0.00520	0.22800	0.0	0.0	0.0	0.0
561.1000E 3	2.8804	0.0	0.0	0.00520	0.23100	0.0	0.0	0.0	0.0
561.5000E 3	2.8797	0.0	0.0	0.00520	0.23200	0.0	0.0	0.0	0.0
562.7000E 3	2.8776	0.0	0.0	0.00520	0.23600	0.0	0.0	0.0	0.0
563.6000E 3	2.8760	0.0	0.0	0.00520	0.23800	0.0	0.0	0.0	0.0
564.2000E 3	2.8749	0.0	0.0	0.00520	0.23900	0.0	0.0	0.0	0.0
565.4000E 3	2.8728	0.0	0.0	0.00520	0.24200	0.0	0.0	0.0	0.0
566.0000E 3	2.8717	0.0	0.0	0.00520	0.24400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
567.1000E 3	2.8698	2.61000	2.60480	1.96661	0.00510	0.0	0.00010	0.0	0.00520
568.2000E 3	2.8679	2.45000	2.44480	1.84124	0.00510	0.0	0.00010	0.0	0.00520
568.9000E 3	2.8666	2.59000	2.58480	1.93863	0.00510	0.0	0.00010	0.0	0.00520
569.5000E 3	2.8656	3.00000	2.99480	2.24232	0.00510	0.0	0.00010	0.0	0.00520
571.4000E 3	2.8623	2.18000	2.17480	1.61890	0.00510	0.0	0.00010	0.0	0.00520
572.4000E 3	2.8605	1.95000	1.94480	1.44435	0.00510	0.0	0.00010	0.0	0.00520
573.3000E 3	2.8589	1.90000	1.89480	1.40356	0.00510	0.0	0.00010	0.0	0.00520
574.3000E 3	2.8572	2.05000	2.04480	1.50813	0.00510	0.0	0.00010	0.0	0.00520
575.3000E 3	2.8554	2.53000	2.52480	1.85588	0.00510	0.0	0.00010	0.0	0.00520
576.1000E 3	2.8541	3.63000	3.62480	2.65130	0.00510	0.0	0.00010	0.0	0.00520
576.7000E 3	2.8530	4.67000	4.66480	3.40117	0.00510	0.0	0.00010	0.0	0.00520
577.4000E 3	2.8518	5.82000	5.81480	4.23256	0.00510	0.0	0.00010	0.0	0.00520
577.8000E 3	2.8511	6.59000	6.58480	4.77918	0.00510	0.0	0.00010	0.0	0.00520
578.1000E 3	2.8506	6.76000	6.75480	4.90243	0.00510	0.0	0.00010	0.0	0.00520
578.5000E 3	2.8499	6.53000	6.52480	4.72916	0.00510	0.0	0.00010	0.0	0.00520
579.8000E 3	2.8477	4.38000	4.37480	3.15943	0.00510	0.0	0.00010	0.0	0.00520
580.3000E 3	2.8468	4.37000	4.36480	3.14786	0.00510	0.0	0.00010	0.0	0.00520
581.1000E 3	2.8454	3.18000	3.17480	2.28471	0.00510	0.0	0.00010	0.0	0.00520
581.8000E 3	2.8442	2.71000	2.70480	1.93913	0.00510	0.0	0.00010	0.0	0.00520
583.5000E 3	2.8413	2.18000	2.17480	1.55148	0.00510	0.0	0.00010	0.0	0.00520

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
567.1000E 3	2.8698	0.0	0.0	0.00520	0.24700	0.0	0.0	0.0	0.0
568.2000E 3	2.8679	0.0	0.0	0.00520	0.24900	0.0	0.0	0.0	0.0
568.9000E 3	2.8666	0.0	0.0	0.00520	0.25200	0.0	0.0	0.0	0.0
569.5000E 3	2.8656	0.0	0.0	0.00520	0.25300	0.0	0.0	0.0	0.0
571.4000E 3	2.8623	0.0	0.0	0.00520	0.25800	0.0	0.0	0.0	0.0
572.4000E 3	2.8605	0.0	0.0	0.00520	0.26000	0.0	0.0	0.0	0.0
573.3000E 3	2.8589	0.0	0.0	0.00520	0.26200	0.0	0.0	0.0	0.0
574.3000E 3	2.8572	0.0	0.0	0.00520	0.26500	0.0	0.0	0.0	0.0
575.3000E 3	2.8554	0.0	0.0	0.00520	0.26700	0.0	0.0	0.0	0.0
576.1000E 3	2.8541	0.0	0.0	0.00520	0.27000	0.0	0.0	0.0	0.0
576.7000E 3	2.8530	0.0	0.0	0.00520	0.27200	0.0	0.0	0.0	0.0
577.4000E 3	2.8518	0.0	0.0	0.00520	0.27300	0.0	0.0	0.0	0.0
577.8000E 3	2.8511	0.0	0.0	0.00520	0.27500	0.0	0.0	0.0	0.0
578.1000E 3	2.8506	0.0	0.0	0.00520	0.27500	0.0	0.0	0.0	0.0
578.5000E 3	2.8499	0.0	0.0	0.00520	0.27600	0.0	0.0	0.0	0.0
579.8000E 3	2.8477	0.0	0.0	0.00520	0.27900	0.0	0.0	0.0	0.0
580.3000E 3	2.8468	0.0	0.0	0.00520	0.28000	0.0	0.0	0.0	0.0
581.1000E 3	2.8454	0.0	0.0	0.00520	0.28200	0.0	0.0	0.0	0.0
581.8000E 3	2.8442	0.0	0.0	0.00520	0.28500	0.0	0.0	0.0	0.0
583.5000E 3	2.8413	0.0	0.0	0.00520	0.28900	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 28

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
584.8000E 3	2.8391	2.00000	1.99480	1.41752	0.00510	0.0	0.00010	0.0	0.00520
586.9000E 3	2.8355	1.88000	1.87480	1.32318	0.00510	0.0	0.00010	0.0	0.00520
588.8000E 3	2.8323	1.88000	1.87480	1.31381	0.00510	0.0	0.00010	0.0	0.00520
590.2000E 3	2.8299	1.97000	1.96480	1.36877	0.00510	0.0	0.00010	0.0	0.00520
590.9000E 3	2.8287	2.08000	2.07480	1.44096	0.00510	0.0	0.00010	0.0	0.00520
591.3000E 3	2.8280	1.98000	1.97480	1.37176	0.00510	0.0	0.00010	0.0	0.00520
591.6000E 3	2.8275	1.71000	1.70480	1.18322	0.00510	0.0	0.00010	0.0	0.00520
592.7000E 3	2.8257	1.55000	1.54480	1.06648	0.00510	0.0	0.00010	0.0	0.00520
593.6000E 3	2.8241	1.65000	1.64480	1.13189	0.00510	0.0	0.00010	0.0	0.00520
594.4000E 3	2.8228	1.86000	1.85480	1.27203	0.00510	0.0	0.00010	0.0	0.00520
595.1000E 3	2.8216	2.22000	2.21480	1.51569	0.00510	0.0	0.00010	0.0	0.00520
595.6000E 3	2.8208	2.26000	2.25480	1.54072	0.00510	0.0	0.00010	0.0	0.00520
596.2000E 3	2.8198	2.13000	2.12480	1.44794	0.00510	0.0	0.00010	0.0	0.00520
596.9000E 3	2.8186	1.87000	1.86480	1.26767	0.00510	0.0	0.00010	0.0	0.00520
601.1000E 3	2.8116	1.46000	1.45480	0.97846	0.00510	0.0	0.00010	0.0	0.00520
602.7000E 3	2.8089	1.43000	1.42480	0.97834	0.00510	0.0	0.00010	0.0	0.00520
603.4000E 3	2.8078	1.52000	1.51480	1.04132	0.00510	0.0	0.00010	0.0	0.00520
604.2000E 3	2.8064	1.75000	1.74480	1.20562	0.00510	0.0	0.00010	0.0	0.00520
605.1000E 3	2.8049	1.65000	1.64480	1.14505	0.00510	0.0	0.00010	0.0	0.00520
606.6000E 3	2.8025	1.27000	1.26480	0.89435	0.00510	0.0	0.00010	0.0	0.00520

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
584.8000E 3	2.8391	0.0	0.0	0.00520	0.29200	0.0	0.0	0.0	0.0
586.9000E 3	2.8355	0.0	0.0	0.00520	0.29700	0.0	0.0	0.0	0.0
588.8000E 3	2.8323	0.0	0.0	0.00520	0.30200	0.0	0.0	0.0	0.0
590.2000E 3	2.8299	0.0	0.0	0.00520	0.30600	0.0	0.0	0.0	0.0
590.9000E 3	2.8287	0.0	0.0	0.00520	0.30800	0.0	0.0	0.0	0.0
591.3000E 3	2.8280	0.0	0.0	0.00520	0.30800	0.0	0.0	0.0	0.0
591.6000E 3	2.8275	0.0	0.0	0.00520	0.30900	0.0	0.0	0.0	0.0
592.7000E 3	2.8257	0.0	0.0	0.00520	0.31300	0.0	0.0	0.0	0.0
593.6000E 3	2.8241	0.0	0.0	0.00520	0.31500	0.0	0.0	0.0	0.0
594.4000E 3	2.8228	0.0	0.0	0.00520	0.31700	0.0	0.0	0.0	0.0
595.1000E 3	2.8216	0.0	0.0	0.00520	0.31800	0.0	0.0	0.0	0.0
595.6000E 3	2.8208	0.0	0.0	0.00520	0.31900	0.0	0.0	0.0	0.0
596.2000E 3	2.8198	0.0	0.0	0.00520	0.32100	0.0	0.0	0.0	0.0
596.9000E 3	2.8186	0.0	0.0	0.00520	0.32300	0.0	0.0	0.0	0.0
601.1000E 3	2.8116	0.0	0.0	0.00520	0.33100	0.0	0.0	0.0	0.0
602.7000E 3	2.8089	0.0	0.0	0.00520	0.31700	0.0	0.0	0.0	0.0
603.4000E 3	2.8078	0.0	0.0	0.00520	0.31600	0.0	0.0	0.0	0.0
604.2000E 3	2.8064	0.0	0.0	0.00520	0.31200	0.0	0.0	0.0	0.0
605.1000E 3	2.8049	0.0	0.0	0.00520	0.30700	0.0	0.0	0.0	0.0
606.6000E 3	2.8025	0.0	0.0	0.00520	0.29700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
608.0000E 3	2.8002	1.01000	1.00480	0.71559	0.00510	0.0	0.00010	0.0	0.00520
609.2000E 3	2.7982	0.97000	0.96480	0.69214	0.00510	0.0	0.00010	0.0	0.00520
610.7000E 3	2.7957	1.10000	1.09470	0.79458	0.00520	0.0	0.00010	0.0	0.00530
611.8000E 3	2.7939	1.34000	1.33470	0.97563	0.00520	0.0	0.00010	0.0	0.00530
613.0000E 3	2.7920	2.78000	2.77470	2.03361	0.00520	0.0	0.00010	0.0	0.00530
614.0000E 3	2.7903	4.30000	4.29470	3.16620	0.00520	0.0	0.00010	0.0	0.00530
614.5000E 3	2.7895	4.51000	4.50470	3.32977	0.00520	0.0	0.00010	0.0	0.00530
615.0000E 3	2.7887	4.28000	4.27470	3.17285	0.00520	0.0	0.00010	0.0	0.00530
615.7000E 3	2.7876	3.43000	3.42470	2.55670	0.00520	0.0	0.00010	0.0	0.00530
616.1000E 3	2.7869	2.99000	2.98470	2.23189	0.00520	0.0	0.00010	0.0	0.00530
617.0000E 3	2.7855	2.49000	2.48470	1.87131	0.00520	0.0	0.00010	0.0	0.00530
618.5000E 3	2.7830	2.01000	2.00470	1.52286	0.00520	0.0	0.00010	0.0	0.00530
620.0000E 3	2.7806	1.65000	1.64470	1.26350	0.00520	0.0	0.00010	0.0	0.00530
620.9000E 3	2.7792	1.57000	1.56470	1.21012	0.00520	0.0	0.00010	0.0	0.00530
622.3000E 3	2.7769	1.65000	1.64470	1.27994	0.00520	0.0	0.00010	0.0	0.00530
623.9000E 3	2.7744	1.51000	1.50470	1.18498	0.00520	0.0	0.00010	0.0	0.00530
626.3000E 3	2.7705	1.28000	1.27470	1.01741	0.00520	0.0	0.00010	0.0	0.00530
628.1000E 3	2.7676	1.23000	1.22470	0.98873	0.00520	0.0	0.00010	0.0	0.00530
630.6000E 3	2.7637	1.34000	1.33470	1.09442	0.00520	0.0	0.00010	0.0	0.00530
632.1000E 3	2.7613	1.29000	1.28470	1.06261	0.00520	0.0	0.00010	0.0	0.00530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
608.0000E 3	2.8002	0.0	0.0	0.00520	0.29300	0.0	0.0	0.0	0.0
609.2000E 3	2.7982	0.0	0.0	0.00520	0.28800	0.0	0.0	0.0	0.0
610.7000E 3	2.7957	0.0	0.0	0.00530	0.27900	0.0	0.0	0.0	0.0
611.8000E 3	2.7939	0.0	0.0	0.00530	0.27300	0.0	0.0	0.0	0.0
613.0000E 3	2.7920	0.0	0.0	0.00530	0.26900	0.0	0.0	0.0	0.0
614.0000E 3	2.7903	0.0	0.0	0.00530	0.26400	0.0	0.0	0.0	0.0
614.5000E 3	2.7895	0.0	0.0	0.00530	0.26200	0.0	0.0	0.0	0.0
615.0000E 3	2.7887	0.0	0.0	0.00530	0.25900	0.0	0.0	0.0	0.0
615.7000E 3	2.7876	0.0	0.0	0.00530	0.25500	0.0	0.0	0.0	0.0
616.1000E 3	2.7869	0.0	0.0	0.00530	0.25400	0.0	0.0	0.0	0.0
617.0000E 3	2.7855	0.0	0.0	0.00530	0.24900	0.0	0.0	0.0	0.0
618.5000E 3	2.7830	0.0	0.0	0.00530	0.24300	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.00530	0.23500	0.0	0.0	0.0	0.0
620.9000E 3	2.7792	0.0	0.0	0.00530	0.23000	0.0	0.0	0.0	0.0
622.3000E 3	2.7769	0.0	0.0	0.00530	0.22500	0.0	0.0	0.0	0.0
623.9000E 3	2.7744	0.0	0.0	0.00530	0.21600	0.0	0.0	0.0	0.0
626.3000E 3	2.7705	0.0	0.0	0.00530	0.20600	0.0	0.0	0.0	0.0
628.1000E 3	2.7676	0.0	0.0	0.00530	0.19700	0.0	0.0	0.0	0.0
630.6000E 3	2.7637	0.0	0.0	0.00530	0.18400	0.0	0.0	0.0	0.0
632.1000E 3	2.7613	0.0	0.0	0.00530	0.17700	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 30

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
633.5000E 3	2.7591	1.31000	1.30470	1.08820	0.00520	0.0	0.00010	0.0	0.00530
634.6000E 3	2.7573	1.59000	1.58470	1.32852	0.00520	0.0	0.00010	0.0	0.00530
635.2000E 3	2.7564	1.45000	1.44470	1.21451	0.00520	0.0	0.00010	0.0	0.00530
636.3000E 3	2.7547	0.93000	0.92470	0.78297	0.00520	0.0	0.00010	0.0	0.00530
637.3000E 3	2.7531	0.79000	0.78470	0.66994	0.00520	0.0	0.00010	0.0	0.00530
638.6000E 3	2.7511	0.75000	0.74470	0.64127	0.00520	0.0	0.00010	0.0	0.00530
640.0000E 3	2.7489	0.81000	0.80470	0.69815	0.00520	0.0	0.00010	0.0	0.00530
642.2000E 3	2.7454	1.52000	1.51470	1.32460	0.00520	0.0	0.00010	0.0	0.00530
643.7000E 3	2.7431	3.13000	3.12470	2.75504	0.00520	0.0	0.00010	0.0	0.00530
644.3000E 3	2.7422	3.33000	3.32470	2.93436	0.00520	0.0	0.00010	0.0	0.00530
644.9000E 3	2.7412	3.09000	3.08470	2.73526	0.00520	0.0	0.00010	0.0	0.00530
646.7000E 3	2.7385	1.15000	1.14470	1.02981	0.00520	0.0	0.00010	0.0	0.00530
648.0000E 3	2.7364	0.71000	0.70470	0.63883	0.00520	0.0	0.00010	0.0	0.00530
649.1000E 3	2.7348	0.69000	0.68470	0.62427	0.00520	0.0	0.00010	0.0	0.00530
650.4000E 3	2.7328	0.89000	0.88470	0.80861	0.00520	0.0	0.00010	0.0	0.00530
651.3000E 3	2.7314	1.21000	1.20470	1.09435	0.00520	0.0	0.00010	0.0	0.00530
651.8000E 3	2.7306	1.67000	1.66470	1.50187	0.00520	0.0	0.00010	0.0	0.00530
652.7000E 3	2.7292	1.89000	1.88470	1.69211	0.00520	0.0	0.00010	0.0	0.00530
653.2000E 3	2.7285	1.70000	1.69470	1.52036	0.00520	0.0	0.00010	0.0	0.00530
654.4000E 3	2.7266	2.02000	2.01470	1.79234	0.00520	0.0	0.00010	0.0	0.00530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
633.5000E 3	2.7591	0.0	0.0	0.00530	0.17000	0.0	0.0	0.0	0.0
634.6000E 3	2.7573	0.0	0.0	0.00530	0.16500	0.0	0.0	0.0	0.0
635.2000E 3	2.7564	0.0	0.0	0.00530	0.16300	0.0	0.0	0.0	0.0
636.3000E 3	2.7547	0.0	0.0	0.00530	0.15900	0.0	0.0	0.0	0.0
637.3000E 3	2.7531	0.0	0.0	0.00530	0.15300	0.0	0.0	0.0	0.0
638.6000E 3	2.7511	0.0	0.0	0.00530	0.14600	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.00530	0.13900	0.0	0.0	0.0	0.0
642.2000E 3	2.7454	0.0	0.0	0.00530	0.12900	0.0	0.0	0.0	0.0
643.7000E 3	2.7431	0.0	0.0	0.00530	0.12000	0.0	0.0	0.0	0.0
644.3000E 3	2.7422	0.0	0.0	0.00530	0.11900	0.0	0.0	0.0	0.0
644.9000E 3	2.7412	0.0	0.0	0.00530	0.11500	0.0	0.0	0.0	0.0
646.7000E 3	2.7385	0.0	0.0	0.00530	0.10500	0.0	0.0	0.0	0.0
648.0000E 3	2.7364	0.0	0.0	0.00530	0.10100	0.0	0.0	0.0	0.0
649.1000E 3	2.7348	0.0	0.0	0.00530	0.09600	0.0	0.0	0.0	0.0
650.4000E 3	2.7328	0.0	0.0	0.00530	0.09200	0.0	0.0	0.0	0.0
651.3000E 3	2.7314	0.0	0.0	0.00530	0.09600	0.0	0.0	0.0	0.0
651.8000E 3	2.7306	0.0	0.0	0.00530	0.10100	0.0	0.0	0.0	0.0
652.7000E 3	2.7292	0.0	0.0	0.00530	0.10500	0.0	0.0	0.0	0.0
653.2000E 3	2.7285	0.0	0.0	0.00530	0.10600	0.0	0.0	0.0	0.0
654.4000E 3	2.7266	0.0	0.0	0.00530	0.11300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
655.4000E 3	2.7251	2.38000	2.37470	2.09979	0.00520	0.0	0.00010	0.0	0.00530
656.7000E 3	2.7231	2.42000	2.41470	2.12058	0.00520	0.0	0.00010	0.0	0.00530
657.5000E 3	2.7219	3.02000	3.01470	2.63412	0.00520	0.0	0.00010	0.0	0.00530
658.1000E 3	2.7210	2.54000	2.53470	2.20795	0.00520	0.0	0.00010	0.0	0.00530
658.6000E 3	2.7202	1.92000	1.91470	1.66534	0.00520	0.0	0.00010	0.0	0.00530
659.5000E 3	2.7189	1.69000	1.68470	1.45583	0.00520	0.0	0.00010	0.0	0.00530
660.9000E 3	2.7167	1.68000	1.67470	1.43717	0.00520	0.0	0.00010	0.0	0.00530
662.0000E 3	2.7151	1.81000	1.80470	1.53930	0.00520	0.0	0.00010	0.0	0.00530
663.7000E 3	2.7125	2.41000	2.40470	2.02765	0.00520	0.0	0.00010	0.0	0.00530
664.3000E 3	2.7116	2.42000	2.41470	2.03123	0.00520	0.0	0.00010	0.0	0.00530
664.9000E 3	2.7107	2.71000	2.70470	2.26372	0.00520	0.0	0.00010	0.0	0.00530
665.9000E 3	2.7092	2.63000	2.62470	2.18643	0.00520	0.0	0.00010	0.0	0.00530
667.0000E 3	2.7076	3.05000	3.04470	2.51718	0.00520	0.0	0.00010	0.0	0.00530
668.1000E 3	2.7059	3.29000	3.28470	2.70204	0.00520	0.0	0.00010	0.0	0.00530
668.9000E 3	2.7047	3.83000	3.82470	3.12243	0.00520	0.0	0.00010	0.0	0.00530
669.4000E 3	2.7040	3.61000	3.60470	2.93592	0.00520	0.0	0.00010	0.0	0.00530
670.2000E 3	2.7028	3.59000	3.58470	2.90891	0.00520	0.0	0.00010	0.0	0.00530
672.0000E 3	2.7001	4.11000	4.10470	3.30958	0.00520	0.0	0.00010	0.0	0.00530
672.5000E 3	2.6993	3.83000	3.82470	3.06124	0.00520	0.0	0.00010	0.0	0.00530
675.1000E 3	2.6955	3.78000	3.77470	2.97221	0.00520	0.0	0.00010	0.0	0.00530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
655.4000E 3	2.7251	0.0	0.0	0.00530	0.11800	0.0	0.0	0.0	0.0
656.7000E 3	2.7231	0.0	0.0	0.00530	0.12400	0.0	0.0	0.0	0.0
657.5000E 3	2.7219	0.0	0.0	0.00530	0.12800	0.0	0.0	0.0	0.0
658.1000E 3	2.7210	0.0	0.0	0.00530	0.13100	0.0	0.0	0.0	0.0
658.6000E 3	2.7202	0.0	0.0	0.00530	0.13300	0.0	0.0	0.0	0.0
659.5000E 3	2.7189	0.0	0.0	0.00530	0.13900	0.0	0.0	0.0	0.0
660.9000E 3	2.7167	0.0	0.0	0.00530	0.14500	0.0	0.0	0.0	0.0
662.0000E 3	2.7151	0.0	0.0	0.00530	0.15000	0.0	0.0	0.0	0.0
663.7000E 3	2.7125	0.0	0.0	0.00530	0.15900	0.0	0.0	0.0	0.0
664.3000E 3	2.7116	0.0	0.0	0.00530	0.16100	0.0	0.0	0.0	0.0
664.9000E 3	2.7107	0.0	0.0	0.00530	0.16500	0.0	0.0	0.0	0.0
665.9000E 3	2.7092	0.0	0.0	0.00530	0.16900	0.0	0.0	0.0	0.0
667.0000E 3	2.7076	0.0	0.0	0.00530	0.17500	0.0	0.0	0.0	0.0
668.1000E 3	2.7059	0.0	0.0	0.00530	0.17900	0.0	0.0	0.0	0.0
668.9000E 3	2.7047	0.0	0.0	0.00530	0.18500	0.0	0.0	0.0	0.0
669.4000E 3	2.7040	0.0	0.0	0.00530	0.18700	0.0	0.0	0.0	0.0
670.2000E 3	2.7028	0.0	0.0	0.00530	0.19000	0.0	0.0	0.0	0.0
672.0000E 3	2.7001	0.0	0.0	0.00530	0.19500	0.0	0.0	0.0	0.0
672.5000E 3	2.6993	0.0	0.0	0.00530	0.20100	0.0	0.0	0.0	0.0
675.1000E 3	2.6955	0.0	0.0	0.00530	0.21400	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 32

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
676.5000E 3	2.6934	3.70000	3.69470	2.88347	0.00520	0.0	0.00010	0.0	0.00530
677.3000E 3	2.6922	3.51000	3.50470	2.72144	0.00520	0.0	0.00010	0.0	0.00530
678.5000E 3	2.6905	3.69000	3.68470	2.83883	0.00520	0.0	0.00010	0.0	0.00530
679.8000E 3	2.6885	3.70000	3.69470	2.82066	0.00520	0.0	0.00010	0.0	0.00530
680.3000E 3	2.6878	3.80000	3.79470	2.88927	0.00520	0.0	0.00010	0.0	0.00530
681.0000E 3	2.6868	3.78000	3.77470	2.86275	0.00520	0.0	0.00010	0.0	0.00530
681.5000E 3	2.6860	3.44000	3.43470	2.59506	0.00520	0.0	0.00010	0.0	0.00530
683.2000E 3	2.6836	3.27000	3.26470	2.44403	0.00520	0.0	0.00010	0.0	0.00530
685.6000E 3	2.6800	2.04000	2.03480	1.49874	0.00510	0.0	0.00010	0.0	0.00520
686.8000E 3	2.6783	1.87000	1.86480	1.36091	0.00510	0.0	0.00010	0.0	0.00520
687.7000E 3	2.6770	2.03000	2.02480	1.46711	0.00510	0.0	0.00010	0.0	0.00520
688.5000E 3	2.6758	2.27000	2.26480	1.63586	0.00510	0.0	0.00010	0.0	0.00520
689.9000E 3	2.6738	1.97000	1.96480	1.40610	0.00510	0.0	0.00010	0.0	0.00520
691.0000E 3	2.6722	1.62000	1.61480	1.15171	0.00510	0.0	0.00010	0.0	0.00520
692.2000E 3	2.6705	2.20000	2.19480	1.54814	0.00510	0.0	0.00010	0.0	0.00520
693.0000E 3	2.6693	3.23000	3.22480	2.25611	0.00510	0.0	0.00010	0.0	0.00520
693.5000E 3	2.6686	4.03000	4.02480	2.80244	0.00510	0.0	0.00010	0.0	0.00520
694.0000E 3	2.6679	4.33000	4.32480	3.00229	0.00510	0.0	0.00010	0.0	0.00520
695.0000E 3	2.6664	4.50000	4.49480	3.09762	0.00510	0.0	0.00010	0.0	0.00520
695.6000E 3	2.6656	3.97000	3.96480	2.72109	0.00510	0.0	0.00010	0.0	0.00520

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
676.5000E 3	2.6934	0.0	0.0	0.00530	0.22100	0.0	0.0	0.0	0.0
677.3000E 3	2.6922	0.0	0.0	0.00530	0.22500	0.0	0.0	0.0	0.0
678.5000E 3	2.6905	0.0	0.0	0.00530	0.23100	0.0	0.0	0.0	0.0
679.8000E 3	2.6885	0.0	0.0	0.00530	0.23800	0.0	0.0	0.0	0.0
680.3000E 3	2.6878	0.0	0.0	0.00530	0.24000	0.0	0.0	0.0	0.0
681.0000E 3	2.6868	0.0	0.0	0.00530	0.24300	0.0	0.0	0.0	0.0
681.5000E 3	2.6860	0.0	0.0	0.00530	0.24600	0.0	0.0	0.0	0.0
683.2000E 3	2.6836	0.0	0.0	0.00530	0.25300	0.0	0.0	0.0	0.0
685.6000E 3	2.6800	0.0	0.0	0.00520	0.26600	0.0	0.0	0.0	0.0
686.8000E 3	2.6783	0.0	0.0	0.00520	0.27300	0.0	0.0	0.0	0.0
687.7000E 3	2.6770	0.0	0.0	0.00520	0.27800	0.0	0.0	0.0	0.0
688.5000E 3	2.6758	0.0	0.0	0.00520	0.28000	0.0	0.0	0.0	0.0
689.9000E 3	2.6738	0.0	0.0	0.00520	0.28700	0.0	0.0	0.0	0.0
691.0000E 3	2.6722	0.0	0.0	0.00520	0.29000	0.0	0.0	0.0	0.0
692.2000E 3	2.6705	0.0	0.0	0.00520	0.29700	0.0	0.0	0.0	0.0
693.0000E 3	2.6693	0.0	0.0	0.00520	0.30200	0.0	0.0	0.0	0.0
693.5000E 3	2.6686	0.0	0.0	0.00520	0.30500	0.0	0.0	0.0	0.0
694.0000E 3	2.6679	0.0	0.0	0.00520	0.30700	0.0	0.0	0.0	0.0
695.0000E 3	2.6664	0.0	0.0	0.00520	0.31200	0.0	0.0	0.0	0.0
695.6000E 3	2.6656	0.0	0.0	0.00520	0.31500	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
696.6000E 3	2.6641	2.57000	2.56480	1.74926	0.00510	0.0	0.00010	0.0	0.00520
697.8000E 3	2.6624	1.61000	1.60480	1.08523	0.00510	0.0	0.00010	0.0	0.00520
699.3000E 3	2.6603	1.21000	1.20480	0.80398	0.00510	0.0	0.00010	0.0	0.00520
701.1000E 3	2.6577	0.99000	0.98480	0.66206	0.00510	0.0	0.00010	0.0	0.00520
703.1000E 3	2.6548	0.90000	0.89480	0.60740	0.00510	0.0	0.00010	0.0	0.00520
705.0000E 3	2.6521	0.88000	0.87480	0.60006	0.00510	0.0	0.00010	0.0	0.00520
706.6000E 3	2.6499	1.04000	1.03480	0.71404	0.00510	0.0	0.00010	0.0	0.00520
708.8000E 3	2.6468	1.46000	1.45480	1.01338	0.00510	0.0	0.00010	0.0	0.00520
710.8000E 3	2.6439	1.96000	1.95480	1.37356	0.00510	0.0	0.00010	0.0	0.00520
711.7000E 3	2.6427	2.36000	2.35480	1.66062	0.00510	0.0	0.00010	0.0	0.00520
713.1000E 3	2.6407	2.63000	2.62480	1.86093	0.00510	0.0	0.00010	0.0	0.00520
714.0000E 3	2.6395	3.31000	3.30480	2.35161	0.00510	0.0	0.00010	0.0	0.00520
715.2000E 3	2.6378	3.70000	3.69480	2.64329	0.00510	0.0	0.00010	0.0	0.00520
715.6000E 3	2.6372	4.02000	4.01480	2.87980	0.00510	0.0	0.00010	0.0	0.00520
716.9000E 3	2.6354	4.19000	4.18480	3.01826	0.00510	0.0	0.00010	0.0	0.00520
718.1000E 3	2.6337	4.04000	4.03480	2.92640	0.00510	0.0	0.00010	0.0	0.00520
718.9000E 3	2.6326	3.41000	3.40480	2.48049	0.00510	0.0	0.00010	0.0	0.00520
720.4000E 3	2.6305	4.89000	4.88480	3.58576	0.00510	0.0	0.00010	0.0	0.00520
720.9000E 3	2.6298	4.91000	4.90480	3.60532	0.00510	0.0	0.00010	0.0	0.00520
722.0000E 3	2.6283	4.62000	4.61490	3.41090	0.00500	0.0	0.00010	0.0	0.00510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
696.6000E 3	2.6641	0.0	0.0	0.00520	0.32000	0.0	0.0	0.0	0.0
697.8000E 3	2.6624	0.0	0.0	0.00520	0.32700	0.0	0.0	0.0	0.0
699.3000E 3	2.6603	0.0	0.0	0.00520	0.33700	0.0	0.0	0.0	0.0
701.1000E 3	2.6577	0.0	0.0	0.00520	0.33300	0.0	0.0	0.0	0.0
703.1000E 3	2.6548	0.0	0.0	0.00520	0.32700	0.0	0.0	0.0	0.0
705.0000E 3	2.6521	0.0	0.0	0.00520	0.32000	0.0	0.0	0.0	0.0
706.6000E 3	2.6499	0.0	0.0	0.00520	0.31500	0.0	0.0	0.0	0.0
708.8000E 3	2.6468	0.0	0.0	0.00520	0.30700	0.0	0.0	0.0	0.0
710.8000E 3	2.6439	0.0	0.0	0.00520	0.30000	0.0	0.0	0.0	0.0
711.7000E 3	2.6427	0.0	0.0	0.00520	0.29700	0.0	0.0	0.0	0.0
713.1000E 3	2.6407	0.0	0.0	0.00520	0.29300	0.0	0.0	0.0	0.0
714.0000E 3	2.6395	0.0	0.0	0.00520	0.29000	0.0	0.0	0.0	0.0
715.2000E 3	2.6378	0.0	0.0	0.00520	0.28600	0.0	0.0	0.0	0.0
715.6000E 3	2.6372	0.0	0.0	0.00520	0.28400	0.0	0.0	0.0	0.0
716.9000E 3	2.6354	0.0	0.0	0.00520	0.28000	0.0	0.0	0.0	0.0
718.1000E 3	2.6337	0.0	0.0	0.00520	0.27600	0.0	0.0	0.0	0.0
718.9000E 3	2.6326	0.0	0.0	0.00520	0.27300	0.0	0.0	0.0	0.0
720.4000E 3	2.6305	0.0	0.0	0.00520	0.26700	0.0	0.0	0.0	0.0
720.9000E 3	2.6298	0.0	0.0	0.00520	0.26600	0.0	0.0	0.0	0.0
722.0000E 3	2.6283	0.0	0.0	0.00510	0.26200	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 34

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
723.0000E 3	2.6269	4.13000	4.12490	3.06165	0.00500	0.0	0.00010	0.0	0.00510
724.4000E 3	2.6250	4.60000	4.59490	3.43290	0.00500	0.0	0.00010	0.0	0.00510
725.3000E 3	2.6238	5.10000	5.09490	3.82118	0.00500	0.0	0.00010	0.0	0.00510
726.5000E 3	2.6221	6.13000	6.12490	4.61715	0.00500	0.0	0.00010	0.0	0.00510
728.7000E 3	2.6191	3.51000	3.50490	2.66882	0.00500	0.0	0.00010	0.0	0.00510
729.7000E 3	2.6177	3.28000	3.27490	2.50385	0.00500	0.0	0.00010	0.0	0.00510
730.5000E 3	2.6166	3.39000	3.38490	2.60132	0.00500	0.0	0.00010	0.0	0.00510
732.2000E 3	2.6143	2.53000	2.52490	1.95180	0.00500	0.0	0.00010	0.0	0.00510
733.3000E 3	2.6128	2.28000	2.27490	1.77042	0.00500	0.0	0.00010	0.0	0.00510
734.5000E 3	2.6112	2.13000	2.12490	1.66252	0.00500	0.0	0.00010	0.0	0.00510
735.3000E 3	2.6101	2.41000	2.40490	1.88814	0.00500	0.0	0.00010	0.0	0.00510
736.0000E 3	2.6091	3.33000	3.32490	2.61515	0.00500	0.0	0.00010	0.0	0.00510
737.0000E 3	2.6078	3.83000	3.82490	3.01912	0.00500	0.0	0.00010	0.0	0.00510
738.7000E 3	2.6054	1.88000	1.87490	1.49377	0.00500	0.0	0.00010	0.0	0.00510
739.7000E 3	2.6041	1.71000	1.70490	1.36561	0.00500	0.0	0.00010	0.0	0.00510
740.5000E 3	2.6030	2.10000	2.09490	1.68102	0.00500	0.0	0.00010	0.0	0.00510
743.2000E 3	2.5994	4.04000	4.03490	3.26530	0.00500	0.0	0.00010	0.0	0.00510
744.0000E 3	2.5983	4.32000	4.31490	3.50880	0.00500	0.0	0.00010	0.0	0.00510
745.0000E 3	2.5970	4.48000	4.47500	3.65213	0.00490	0.0	0.00010	0.0	0.00500
747.6000E 3	2.5935	3.54000	3.53500	2.91784	0.00490	0.0	0.00010	0.0	0.00500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
723.0000E 3	2.6269	0.0	0.0	0.00510	0.25900	0.0	0.0	0.0	0.0
724.4000E 3	2.6250	0.0	0.0	0.00510	0.25400	0.0	0.0	0.0	0.0
725.3000E 3	2.6238	0.0	0.0	0.00510	0.25100	0.0	0.0	0.0	0.0
726.5000E 3	2.6221	0.0	0.0	0.00510	0.24700	0.0	0.0	0.0	0.0
728.7000E 3	2.6191	0.0	0.0	0.00510	0.24000	0.0	0.0	0.0	0.0
729.7000E 3	2.6177	0.0	0.0	0.00510	0.23700	0.0	0.0	0.0	0.0
730.5000E 3	2.6166	0.0	0.0	0.00510	0.23300	0.0	0.0	0.0	0.0
732.2000E 3	2.6143	0.0	0.0	0.00510	0.22900	0.0	0.0	0.0	0.0
733.3000E 3	2.6128	0.0	0.0	0.00510	0.22400	0.0	0.0	0.0	0.0
734.5000E 3	2.6112	0.0	0.0	0.00510	0.22000	0.0	0.0	0.0	0.0
735.3000E 3	2.6101	0.0	0.0	0.00510	0.21700	0.0	0.0	0.0	0.0
736.0000E 3	2.6091	0.0	0.0	0.00510	0.21500	0.0	0.0	0.0	0.0
737.0000E 3	2.6078	0.0	0.0	0.00510	0.21200	0.0	0.0	0.0	0.0
738.7000E 3	2.6054	0.0	0.0	0.00510	0.20600	0.0	0.0	0.0	0.0
739.7000E 3	2.6041	0.0	0.0	0.00510	0.20200	0.0	0.0	0.0	0.0
740.5000E 3	2.6030	0.0	0.0	0.00510	0.20000	0.0	0.0	0.0	0.0
743.2000E 3	2.5994	0.0	0.0	0.00510	0.19200	0.0	0.0	0.0	0.0
744.0000E 3	2.5983	0.0	0.0	0.00510	0.18800	0.0	0.0	0.0	0.0
745.0000E 3	2.5970	0.0	0.0	0.00500	0.18500	0.0	0.0	0.0	0.0
747.6000E 3	2.5935	0.0	0.0	0.00500	0.17600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
749.5000E 3	2.5909	4.42000	4.41500	3.66945	0.00490	0.0	0.00010	0.0	0.00500
751.9000E 3	2.5877	3.02000	3.01500	2.51650	0.00490	0.0	0.00010	0.0	0.00500
753.1000E 3	2.5861	4.00000	3.99500	3.33683	0.00490	0.0	0.00010	0.0	0.00500
754.9000E 3	2.5838	6.63000	6.62500	5.54350	0.00490	0.0	0.00010	0.0	0.00500
756.3000E 3	2.5819	6.93000	6.92500	5.79430	0.00490	0.0	0.00010	0.0	0.00500
758.1000E 3	2.5795	4.72000	4.71500	3.95617	0.00490	0.0	0.00010	0.0	0.00500
759.3000E 3	2.5779	3.90000	3.89500	3.27291	0.00490	0.0	0.00010	0.0	0.00500
763.3000E 3	2.5727	2.54000	2.53500	2.13694	0.00490	0.0	0.00010	0.0	0.00500
765.2000E 3	2.5702	3.13000	3.12500	2.63938	0.00490	0.0	0.00010	0.0	0.00500
766.5000E 3	2.5685	3.15000	3.14500	2.65938	0.00490	0.0	0.00010	0.0	0.00500
768.7000E 3	2.5656	2.44000	2.43500	2.06258	0.00490	0.0	0.00010	0.0	0.00500
771.8000E 3	2.5616	4.62000	4.61500	3.91391	0.00490	0.0	0.00010	0.0	0.00500
774.1000E 3	2.5586	3.99000	3.98500	3.38827	0.00490	0.0	0.00010	0.0	0.00500
776.0000E 3	2.5562	3.88000	3.87500	3.29875	0.00490	0.0	0.00010	0.0	0.00500
777.8000E 3	2.5539	3.97000	3.96500	3.38318	0.00490	0.0	0.00010	0.0	0.00500
780.5000E 3	2.5504	4.44000	4.43500	3.78806	0.00490	0.0	0.00010	0.0	0.00500
781.7000E 3	2.5489	3.85000	3.84500	3.28863	0.00490	0.0	0.00010	0.0	0.00500
782.6000E 3	2.5477	3.85000	3.84510	3.29246	0.00480	0.0	0.00010	0.0	0.00490
783.1000E 3	2.5471	4.01000	4.00510	3.42926	0.00480	0.0	0.00010	0.0	0.00490
784.0000E 3	2.5459	4.03000	4.02510	3.45039	0.00480	0.0	0.00010	0.0	0.00490

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
749.5000E 3	2.5909	0.0	0.0	0.00500	0.17000	0.0	0.0	0.0	0.0
751.9000E 3	2.5877	0.0	0.0	0.00500	0.16700	0.0	0.0	0.0	0.0
753.1000E 3	2.5861	0.0	0.0	0.00500	0.16600	0.0	0.0	0.0	0.0
754.9000E 3	2.5838	0.0	0.0	0.00500	0.16400	0.0	0.0	0.0	0.0
756.3000E 3	2.5819	0.0	0.0	0.00500	0.16400	0.0	0.0	0.0	0.0
758.1000E 3	2.5795	0.0	0.0	0.00500	0.16200	0.0	0.0	0.0	0.0
759.3000E 3	2.5779	0.0	0.0	0.00500	0.16100	0.0	0.0	0.0	0.0
763.3000E 3	2.5727	0.0	0.0	0.00500	0.15900	0.0	0.0	0.0	0.0
765.2000E 3	2.5702	0.0	0.0	0.00500	0.15700	0.0	0.0	0.0	0.0
766.5000E 3	2.5685	0.0	0.0	0.00500	0.15600	0.0	0.0	0.0	0.0
768.7000E 3	2.5656	0.0	0.0	0.00500	0.15500	0.0	0.0	0.0	0.0
771.8000E 3	2.5616	0.0	0.0	0.00500	0.15300	0.0	0.0	0.0	0.0
774.1000E 3	2.5586	0.0	0.0	0.00500	0.15100	0.0	0.0	0.0	0.0
776.0000E 3	2.5562	0.0	0.0	0.00500	0.15000	0.0	0.0	0.0	0.0
777.8000E 3	2.5539	0.0	0.0	0.00500	0.14800	0.0	0.0	0.0	0.0
780.5000E 3	2.5504	0.0	0.0	0.00500	0.14700	0.0	0.0	0.0	0.0
781.7000E 3	2.5489	0.0	0.0	0.00500	0.14600	0.0	0.0	0.0	0.0
782.6000E 3	2.5477	0.0	0.0	0.00490	0.14500	0.0	0.0	0.0	0.0
783.1000E 3	2.5471	0.0	0.0	0.00490	0.14500	0.0	0.0	0.0	0.0
784.0000E 3	2.5459	0.0	0.0	0.00490	0.14400	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 36

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
784.4000E 3	2.5454	3.65000	3.64510	3.12511	0.00480	0.0	0.00010	0.0	0.00490
785.5000E 3	2.5440	3.67000	3.66510	3.14589	0.00480	0.0	0.00010	0.0	0.00490
789.0000E 3	2.5396	6.65000	6.64510	5.71304	0.00480	0.0	0.00010	0.0	0.00490
789.8000E 3	2.5386	6.85000	6.84510	5.89169	0.00480	0.0	0.00010	0.0	0.00490
790.6000E 3	2.5375	6.59000	6.58510	5.67467	0.00480	0.0	0.00010	0.0	0.00490
791.9000E 3	2.5359	4.56000	4.55510	3.93140	0.00480	0.0	0.00010	0.0	0.00490
792.8000E 3	2.5348	4.12000	4.11510	3.55212	0.00480	0.0	0.00010	0.0	0.00490
793.9000E 3	2.5334	3.79000	3.78510	3.27144	0.00480	0.0	0.00010	0.0	0.00490
795.1000E 3	2.5319	4.08000	4.07510	3.52579	0.00480	0.0	0.00010	0.0	0.00490
796.3000E 3	2.5304	3.60000	3.59510	3.11107	0.00480	0.0	0.00010	0.0	0.00490
797.7000E 3	2.5286	3.26000	3.25510	2.82056	0.00480	0.0	0.00010	0.0	0.00490
798.6000E 3	2.5275	2.93000	2.92510	2.53804	0.00480	0.0	0.00010	0.0	0.00490
800.0000E 3	2.5257	2.80000	2.79510	2.42825	0.00480	0.0	0.00010	0.0	0.00490
801.2000E 3	2.5242	2.83000	2.82510	2.44296	0.00480	0.0	0.00010	0.0	0.00490
802.5000E 3	2.5226	2.94000	2.93510	2.52322	0.00480	0.0	0.00010	0.0	0.00490
803.9000E 3	2.5209	3.23000	3.22510	2.75269	0.00480	0.0	0.00010	0.0	0.00490
805.1000E 3	2.5194	3.81000	3.80510	3.23162	0.00480	0.0	0.00010	0.0	0.00490
806.7000E 3	2.5174	3.82000	3.81510	3.21340	0.00480	0.0	0.00010	0.0	0.00490
807.7000E 3	2.5161	3.13000	3.12520	2.62059	0.00470	0.0	0.00010	0.0	0.00480
809.7000E 3	2.5137	2.52000	2.51520	2.09242	0.00470	0.0	0.00010	0.0	0.00480

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
784.4000E 3	2.5454	0.0	0.0	0.00490	0.14400	0.0	0.0	0.0	0.0
785.5000E 3	2.5440	0.0	0.0	0.00490	0.14300	0.0	0.0	0.0	0.0
789.0000E 3	2.5396	0.0	0.0	0.00490	0.14100	0.0	0.0	0.0	0.0
789.8000E 3	2.5386	0.0	0.0	0.00490	0.14000	0.0	0.0	0.0	0.0
790.6000E 3	2.5375	0.0	0.0	0.00490	0.13900	0.0	0.0	0.0	0.0
791.9000E 3	2.5359	0.0	0.0	0.00490	0.13800	0.0	0.0	0.0	0.0
792.8000E 3	2.5348	0.0	0.0	0.00490	0.13800	0.0	0.0	0.0	0.0
793.9000E 3	2.5334	0.0	0.0	0.00490	0.13700	0.0	0.0	0.0	0.0
795.1000E 3	2.5319	0.0	0.0	0.00490	0.13600	0.0	0.0	0.0	0.0
796.3000E 3	2.5304	0.0	0.0	0.00490	0.13600	0.0	0.0	0.0	0.0
797.7000E 3	2.5286	0.0	0.0	0.00490	0.13500	0.0	0.0	0.0	0.0
798.6000E 3	2.5275	0.0	0.0	0.00490	0.13400	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.00490	0.13300	0.0	0.0	0.0	0.0
801.2000E 3	2.5242	0.0	0.0	0.00490	0.13700	0.0	0.0	0.0	0.0
802.5000E 3	2.5226	0.0	0.0	0.00490	0.14200	0.0	0.0	0.0	0.0
803.9000E 3	2.5209	0.0	0.0	0.00490	0.14800	0.0	0.0	0.0	0.0
805.1000E 3	2.5194	0.0	0.0	0.00490	0.15200	0.0	0.0	0.0	0.0
806.7000E 3	2.5174	0.0	0.0	0.00490	0.15900	0.0	0.0	0.0	0.0
807.7000E 3	2.5161	0.0	0.0	0.00480	0.16300	0.0	0.0	0.0	0.0
809.7000E 3	2.5137	0.0	0.0	0.00480	0.17000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
812.6000E 3	2.5101	2.12000	2.11520	1.73926	0.00470	0.0	0.00010	0.0	0.00480
814.2000E 3	2.5081	2.30000	2.29520	1.87309	0.00470	0.0	0.00010	0.0	0.00480
815.9000E 3	2.5060	2.76000	2.75520	2.22825	0.00470	0.0	0.00010	0.0	0.00480
817.2000E 3	2.5045	3.31000	3.30520	2.65888	0.00470	0.0	0.00010	0.0	0.00480
818.2000E 3	2.5032	3.33000	3.32520	2.66496	0.00470	0.0	0.00010	0.0	0.00480
819.8000E 3	2.5013	2.90000	2.89520	2.29780	0.00470	0.0	0.00010	0.0	0.00480
820.9000E 3	2.4999	3.02000	3.01520	2.38078	0.00470	0.0	0.00010	0.0	0.00480
821.7000E 3	2.4990	2.88000	2.87520	2.26183	0.00470	0.0	0.00010	0.0	0.00480
822.7000E 3	2.4977	2.24000	2.23520	1.75049	0.00470	0.0	0.00010	0.0	0.00480
824.6000E 3	2.4954	1.58000	1.57520	1.22558	0.00470	0.0	0.00010	0.0	0.00480
826.6000E 3	2.4930	2.13000	2.12520	1.63695	0.00470	0.0	0.00010	0.0	0.00480
828.7000E 3	2.4905	3.67000	3.66520	2.78302	0.00470	0.0	0.00010	0.0	0.00480
829.3000E 3	2.4898	3.92000	3.91520	2.96861	0.00470	0.0	0.00010	0.0	0.00480
830.7000E 3	2.4881	3.66000	3.65520	2.74986	0.00470	0.0	0.00010	0.0	0.00480
832.4000E 3	2.4860	2.08000	2.07520	1.55082	0.00470	0.0	0.00010	0.0	0.00480
833.1000E 3	2.4852	1.86000	1.85520	1.38321	0.00470	0.0	0.00010	0.0	0.00480
834.2000E 3	2.4839	1.82000	1.81520	1.34805	0.00470	0.0	0.00010	0.0	0.00480
835.2000E 3	2.4827	2.02000	2.01520	1.48799	0.00470	0.0	0.00010	0.0	0.00480
835.6000E 3	2.4822	2.52000	2.51520	1.85096	0.00470	0.0	0.00010	0.0	0.00480
836.8000E 3	2.4808	2.65000	2.64530	1.93048	0.00460	0.0	0.00010	0.0	0.00470

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
812.6000E 3	2.5101	0.0	0.0	0.00480	0.18000	0.0	0.0	0.0	0.0
814.2000E 3	2.5081	0.0	0.0	0.00480	0.18600	0.0	0.0	0.0	0.0
815.9000E 3	2.5060	0.0	0.0	0.00480	0.19300	0.0	0.0	0.0	0.0
817.2000E 3	2.5045	0.0	0.0	0.00480	0.19700	0.0	0.0	0.0	0.0
818.2000E 3	2.5032	0.0	0.0	0.00480	0.20000	0.0	0.0	0.0	0.0
819.8000E 3	2.5013	0.0	0.0	0.00480	0.20800	0.0	0.0	0.0	0.0
820.9000E 3	2.4999	0.0	0.0	0.00480	0.21200	0.0	0.0	0.0	0.0
821.7000E 3	2.4990	0.0	0.0	0.00480	0.21500	0.0	0.0	0.0	0.0
822.7000E 3	2.4977	0.0	0.0	0.00480	0.21900	0.0	0.0	0.0	0.0
824.6000E 3	2.4954	0.0	0.0	0.00480	0.22500	0.0	0.0	0.0	0.0
826.6000E 3	2.4930	0.0	0.0	0.00480	0.23200	0.0	0.0	0.0	0.0
828.7000E 3	2.4905	0.0	0.0	0.00480	0.24200	0.0	0.0	0.0	0.0
829.3000E 3	2.4898	0.0	0.0	0.00480	0.24300	0.0	0.0	0.0	0.0
830.7000E 3	2.4881	0.0	0.0	0.00480	0.24900	0.0	0.0	0.0	0.0
832.4000E 3	2.4860	0.0	0.0	0.00480	0.25500	0.0	0.0	0.0	0.0
833.1000E 3	2.4852	0.0	0.0	0.00480	0.25700	0.0	0.0	0.0	0.0
834.2000E 3	2.4839	0.0	0.0	0.00480	0.26000	0.0	0.0	0.0	0.0
835.2000E 3	2.4827	0.0	0.0	0.00480	0.26400	0.0	0.0	0.0	0.0
835.6000E 3	2.4822	0.0	0.0	0.00480	0.26600	0.0	0.0	0.0	0.0
836.8000E 3	2.4808	0.0	0.0	0.00470	0.27200	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 38

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
837.8000E 3	2.4796	2.87000	2.86530	2.08204	0.00460	0.0	0.00010	0.0	0.00470
840.0000E 3	2.4769	1.85000	1.84530	1.32778	0.00460	0.0	0.00010	0.0	0.00470
844.1000E 3	2.4721	3.02000	3.01530	2.12144	0.00460	0.0	0.00010	0.0	0.00470
845.2000E 3	2.4708	3.03000	3.02540	2.11935	0.00450	0.0	0.00010	0.0	0.00460
845.8000E 3	2.4701	2.81000	2.80540	1.95435	0.00450	0.0	0.00010	0.0	0.00460
847.0000E 3	2.4686	2.92000	2.91540	2.01914	0.00450	0.0	0.00010	0.0	0.00460
848.5000E 3	2.4669	3.92000	3.91540	2.69056	0.00450	0.0	0.00010	0.0	0.00460
849.6000E 3	2.4656	3.89000	3.88540	2.65444	0.00450	0.0	0.00010	0.0	0.00460
850.7000E 3	2.4643	3.60000	3.59540	2.44947	0.00450	0.0	0.00010	0.0	0.00460
852.6000E 3	2.4620	1.88000	1.87540	1.28362	0.00450	0.0	0.00010	0.0	0.00460
855.2000E 3	2.4590	1.91000	1.90540	1.30599	0.00450	0.0	0.00010	0.0	0.00460
859.0000E 3	2.4546	1.45000	1.44540	0.99614	0.00450	0.0	0.00010	0.0	0.00460
860.6000E 3	2.4527	1.51000	1.50540	1.03881	0.00450	0.0	0.00010	0.0	0.00460
863.2000E 3	2.4497	3.11000	3.04550	2.15980	0.00440	0.0	0.00010	0.0	0.00450
865.0000E 3	2.4476	3.02000	2.84840	2.13415	0.00440	0.0	0.00020	0.0	0.00460
868.2000E 3	2.4439	2.94000	2.62240	2.12968	0.00440	0.0	0.00020	0.0	0.00460
870.0000E 3	2.4418	3.39000	3.04540	2.45202	0.00440	0.0	0.00020	0.0	0.00460
871.6000E 3	2.4400	4.00000	3.64740	2.88025	0.00440	0.0	0.00020	0.0	0.00460
874.0000E 3	2.4373	3.23000	2.87840	2.35209	0.00440	0.0	0.00020	0.0	0.00460
876.0000E 3	2.4350	2.59000	2.25840	1.90345	0.00440	0.0	0.00020	0.0	0.00460

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
837.8000E 3	2.4796	0.0	0.0	0.00470	0.27500	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.0	0.0	0.00470	0.28300	0.0	0.0	0.0	0.0
844.1000E 3	2.4721	0.0	0.0	0.00470	0.29800	0.0	0.0	0.0	0.0
845.2000E 3	2.4708	0.0	0.0	0.00460	0.30100	0.0	0.0	0.0	0.0
845.8000E 3	2.4701	0.0	0.0	0.00460	0.30500	0.0	0.0	0.0	0.0
847.0000E 3	2.4686	0.0	0.0	0.00460	0.30900	0.0	0.0	0.0	0.0
848.5000E 3	2.4669	0.0	0.0	0.00460	0.31400	0.0	0.0	0.0	0.0
849.6000E 3	2.4656	0.0	0.0	0.00460	0.31800	0.0	0.0	0.0	0.0
850.7000E 3	2.4643	0.0	0.0	0.00460	0.32000	0.0	0.0	0.0	0.0
852.6000E 3	2.4620	0.0	0.0	0.00460	0.31800	0.0	0.0	0.0	0.0
855.2000E 3	2.4590	0.0	0.0	0.00460	0.31700	0.0	0.0	0.0	0.0
859.0000E 3	2.4546	0.0	0.0	0.00460	0.31400	0.0	0.0	0.0	0.0
860.6000E 3	2.4527	0.0	0.0	0.00460	0.31300	0.0	0.0	0.0	0.0
863.2000E 3	2.4497	0.06000	0.0	0.06450	0.31200	0.0	0.0	0.0	0.0
865.0000E 3	2.4476	0.16700	0.0	0.17160	0.31100	0.0	0.0	0.0	0.0
868.2000E 3	2.4439	0.31300	0.0	0.31760	0.30900	0.0	0.0	0.0	0.0
870.0000E 3	2.4418	0.34000	0.0	0.34460	0.30800	0.0	0.0	0.0	0.0
871.6000E 3	2.4400	0.34800	0.0	0.35260	0.30700	0.0	0.0	0.0	0.0
874.0000E 3	2.4373	0.34700	0.0	0.35160	0.30500	0.0	0.0	0.0	0.0
876.0000E 3	2.4350	0.32700	0.0	0.33160	0.30400	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 39

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
877.0000E 3	2.4338	2.89000	2.57750	2.10644	0.00430	0.0	0.00020	0.0	0.00450
879.0000E 3	2.4316	3.50000	3.22050	2.52741	0.00430	0.0	0.00020	0.0	0.00450
880.4000E 3	2.4300	3.10000	2.83350	2.24712	0.00430	0.0	0.00020	0.0	0.00450
882.6000E 3	2.4275	2.08000	1.83150	1.53055	0.00430	0.0	0.00020	0.0	0.00450
884.0000E 3	2.4259	1.99000	1.75550	1.46511	0.00430	0.0	0.00020	0.0	0.00450
887.2000E 3	2.4223	1.80000	1.58550	1.32752	0.00430	0.0	0.00020	0.0	0.00450
890.2000E 3	2.4189	2.96000	2.75860	2.14345	0.00420	0.0	0.00020	0.0	0.00440
891.7000E 3	2.4172	2.47000	2.27460	1.79899	0.00420	0.0	0.00020	0.0	0.00440
895.0000E 3	2.4135	2.70000	2.51760	1.96234	0.00420	0.0	0.00020	0.0	0.00440
897.9000E 3	2.4103	1.70000	1.52370	1.25660	0.00410	0.0	0.00020	0.0	0.00430
900.0000E 3	2.4079	1.49000	1.31670	1.10816	0.00410	0.0	0.00020	0.0	0.00430
901.7000E 3	2.4061	1.92000	1.74970	1.41084	0.00410	0.0	0.00020	0.0	0.00430
902.7000E 3	2.4050	1.98000	1.81070	1.45309	0.00410	0.0	0.00020	0.0	0.00430
903.7000E 3	2.4038	1.88000	1.71180	1.38015	0.00400	0.0	0.00020	0.0	0.00420
906.7000E 3	2.4005	2.92000	2.75280	2.11343	0.00400	0.0	0.00020	0.0	0.00420
911.0000E 3	2.3958	1.92000	1.74580	1.40499	0.00400	0.0	0.00020	0.0	0.00420
916.0000E 3	2.3903	1.72000	1.53890	1.26295	0.00390	0.0	0.00020	0.0	0.00410
918.5000E 3	2.3876	1.71000	1.51890	1.25585	0.00390	0.0	0.00020	0.0	0.00410
920.4000E 3	2.3855	2.35000	2.15190	1.70443	0.00390	0.0	0.00020	0.0	0.00410
921.7000E 3	2.3841	2.27000	2.06500	1.65050	0.00380	0.0	0.00020	0.0	0.00400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
877.0000E 3	2.4338	0.30800	0.0	0.31250	0.30400	0.0	0.0	0.0	0.0
879.0000E 3	2.4316	0.27500	0.0	0.27950	0.30200	0.0	0.0	0.0	0.0
880.4000E 3	2.4300	0.26200	0.0	0.26650	0.30100	0.0	0.0	0.0	0.0
882.6000E 3	2.4275	0.24400	0.0	0.24850	0.30000	0.0	0.0	0.0	0.0
884.0000E 3	2.4259	0.23000	0.0	0.23450	0.29900	0.0	0.0	0.0	0.0
887.2000E 3	2.4223	0.21000	0.0	0.21450	0.29800	0.0	0.0	0.0	0.0
890.2000E 3	2.4189	0.19700	0.0	0.20140	0.29600	0.0	0.0	0.0	0.0
891.7000E 3	2.4172	0.19100	0.0	0.19540	0.29500	0.0	0.0	0.0	0.0
895.0000E 3	2.4135	0.17800	0.0	0.18240	0.29300	0.0	0.0	0.0	0.0
897.9000E 3	2.4103	0.17200	0.0	0.17630	0.29100	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.16900	0.0	0.17330	0.29000	0.0	0.0	0.0	0.0
901.7000E 3	2.4061	0.16600	0.0	0.17030	0.29100	0.0	0.0	0.0	0.0
902.7000E 3	2.4050	0.16500	0.0	0.16930	0.29100	0.0	0.0	0.0	0.0
903.7000E 3	2.4038	0.16400	0.0	0.16820	0.29200	0.0	0.0	0.0	0.0
906.7000E 3	2.4005	0.16300	0.0	0.16720	0.29300	0.0	0.0	0.0	0.0
911.0000E 3	2.3958	0.17000	0.0	0.17420	0.29500	0.0	0.0	0.0	0.0
916.0000E 3	2.3903	0.17700	0.0	0.18110	0.29700	0.0	0.0	0.0	0.0
918.5000E 3	2.3876	0.18700	0.0	0.19110	0.29900	0.0	0.0	0.0	0.0
920.4000E 3	2.3855	0.19400	0.0	0.19810	0.30000	0.0	0.0	0.0	0.0
921.7000E 3	2.3841	0.20100	0.0	0.20500	0.30000	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 40

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
924.1000E 3	2.3815	1.50000	1.26100	1.12044	0.00380	0.0	0.00020	0.0	0.00400
926.2000E 3	2.3793	1.95000	1.64900	1.45200	0.00380	0.0	0.00020	0.0	0.00400
927.2000E 3	2.3782	1.70000	1.36610	1.28607	0.00370	0.0	0.00020	0.0	0.00390
928.1000E 3	2.3772	1.91000	1.54610	1.44153	0.00370	0.0	0.00020	0.0	0.00390
929.4000E 3	2.3758	1.77000	1.39910	1.34467	0.00370	0.0	0.00020	0.0	0.00390
931.1000E 3	2.3740	2.06000	1.68610	1.54574	0.00370	0.0	0.00020	0.0	0.00390
935.5000E 3	2.3693	1.48000	1.12720	1.13395	0.00360	0.0	0.00020	0.0	0.00380
940.5000E 3	2.3639	2.62000	2.32620	1.90120	0.00360	0.0	0.00020	0.0	0.00380
943.8000E 3	2.3604	1.20000	0.94030	0.90757	0.00350	0.0	0.00020	0.0	0.00370
945.0000E 3	2.3592	1.24000	0.98630	0.93227	0.00350	0.0	0.00020	0.0	0.00370
946.0000E 3	2.3581	1.28000	1.03230	0.95792	0.00350	0.0	0.00020	0.0	0.00370
949.0000E 3	2.3549	1.39000	1.15430	1.02870	0.00350	0.0	0.00020	0.0	0.00370
951.7000E 3	2.3521	2.06000	1.83330	1.48434	0.00350	0.0	0.00020	0.0	0.00370
956.3000E 3	2.3473	2.21000	1.98240	1.59546	0.00340	0.0	0.00020	0.0	0.00360
960.1000E 3	2.3433	1.77000	1.52440	1.30201	0.00340	0.0	0.00020	0.0	0.00360
961.4000E 3	2.3419	1.09000	0.83240	0.83612	0.00340	0.0	0.00020	0.0	0.00360
963.1000E 3	2.3402	1.09000	0.81640	0.84181	0.00340	0.0	0.00020	0.0	0.00360
964.4000E 3	2.3388	1.47000	1.18040	1.11234	0.00340	0.0	0.00020	0.0	0.00360
967.0000E 3	2.3361	1.74000	1.42140	1.31216	0.00340	0.0	0.00020	0.0	0.00360
970.8000E 3	2.3322	3.62000	3.25840	2.64900	0.00340	0.0	0.00020	0.0	0.00360

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
924.1000E 3	2.3815	0.23500	0.0	0.23900	0.30100	0.0	0.0	0.0	0.0
926.2000E 3	2.3793	0.29700	0.0	0.30100	0.30200	0.0	0.0	0.0	0.0
927.2000E 3	2.3782	0.33000	0.0	0.33390	0.30300	0.0	0.0	0.0	0.0
928.1000E 3	2.3772	0.36000	0.0	0.36390	0.30300	0.0	0.0	0.0	0.0
929.4000E 3	2.3758	0.36700	0.0	0.37090	0.30400	0.0	0.0	0.0	0.0
931.1000E 3	2.3740	0.37000	0.0	0.37390	0.30500	0.0	0.0	0.0	0.0
935.5000E 3	2.3693	0.34900	0.0	0.35280	0.30700	0.0	0.0	0.0	0.0
940.5000E 3	2.3639	0.29000	0.0	0.29380	0.30900	0.0	0.0	0.0	0.0
943.8000E 3	2.3604	0.25600	0.0	0.25970	0.31100	0.0	0.0	0.0	0.0
945.0000E 3	2.3592	0.25000	0.0	0.25370	0.31200	0.0	0.0	0.0	0.0
946.0000E 3	2.3581	0.24400	0.0	0.24770	0.31200	0.0	0.0	0.0	0.0
949.0000E 3	2.3549	0.23200	0.0	0.23570	0.31300	0.0	0.0	0.0	0.0
951.7000E 3	2.3521	0.22300	0.0	0.22670	0.31400	0.0	0.0	0.0	0.0
956.3000E 3	2.3473	0.22400	0.0	0.22760	0.31000	0.0	0.0	0.0	0.0
960.1000E 3	2.3433	0.24200	0.0	0.24560	0.30700	0.0	0.0	0.0	0.0
961.4000E 3	2.3419	0.25400	0.0	0.25760	0.30500	0.0	0.0	0.0	0.0
963.1000E 3	2.3402	0.27000	0.0	0.27360	0.30400	0.0	0.0	0.0	0.0
964.4000E 3	2.3388	0.28600	0.0	0.28960	0.30300	0.0	0.0	0.0	0.0
967.0000E 3	2.3361	0.31500	0.0	0.31860	0.30100	0.0	0.0	0.0	0.0
970.8000E 3	2.3322	0.35800	0.0	0.36160	0.29800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
972.1000E 3	2.3309	3.63000	3.25450	2.66341	0.00330	0.0	0.00020	0.0	0.00350
975.0000E 3	2.3279	3.12000	2.70850	2.32099	0.00330	0.0	0.00020	0.0	0.00350
978.3000E 3	2.3245	3.95000	3.50150	2.92406	0.00330	0.0	0.00020	0.0	0.00350
980.6000E 3	2.3222	3.63000	3.14860	2.71376	0.00320	0.0	0.00020	0.0	0.00340
986.3000E 3	2.3164	1.92000	1.36460	1.52836	0.00320	0.0	0.00020	0.0	0.00340
988.0000E 3	2.3147	1.87000	1.29360	1.50132	0.00320	0.0	0.00020	0.0	0.00340
990.2000E 3	2.3124	1.83000	1.20660	1.48733	0.00320	0.0	0.00020	0.0	0.00340
991.9000E 3	2.3107	2.33000	1.66670	1.85999	0.00310	0.0	0.00020	0.0	0.00330
993.0000E 3	2.3096	2.44000	1.75170	1.94777	0.00310	0.0	0.00020	0.0	0.00330
993.9000E 3	2.3087	2.88000	2.17070	2.27003	0.00310	0.0	0.00020	0.0	0.00330
996.6000E 3	2.3060	2.98000	2.20980	2.36347	0.00300	0.0	0.00020	0.0	0.00320
998.3000E 3	2.3043	3.41000	2.59880	2.68753	0.00300	0.0	0.00020	0.0	0.00320
1.0054E 6	2.2972	1.85000	1.18990	1.53349	0.00290	0.0	0.00020	0.0	0.00310
1.0079E 6	2.2947	1.94000	1.32690	1.59368	0.00290	0.0	0.00020	0.0	0.00310
1.0106E 6	2.2920	3.23000	2.65690	2.54983	0.00290	0.0	0.00020	0.0	0.00310
1.0160E 6	2.2867	3.12000	2.65700	2.46638	0.00280	0.0	0.00020	0.0	0.00300
1.0191E 6	2.2837	2.25000	1.84500	1.80720	0.00280	0.0	0.00020	0.0	0.00300
1.0201E 6	2.2827	2.65000	2.26700	2.11045	0.00280	0.0	0.00020	0.0	0.00300
1.0332E 6	2.2699	1.52000	1.11110	1.28222	0.00270	0.0	0.00020	0.0	0.00290
1.0369E 6	2.2663	1.52000	1.09010	1.29435	0.00270	0.0	0.00020	0.0	0.00290

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
972.1000E 3	2.3309	0.37200	0.0	0.37550	0.29700	0.0	0.0	0.0	0.0
975.0000E 3	2.3279	0.40800	0.0	0.41150	0.29500	0.0	0.0	0.0	0.0
978.3000E 3	2.3245	0.44500	0.0	0.44850	0.29300	0.0	0.0	0.0	0.0
980.6000E 3	2.3222	0.47800	0.0	0.48140	0.29100	0.0	0.0	0.0	0.0
986.3000E 3	2.3164	0.55200	0.0	0.55540	0.28700	0.0	0.0	0.0	0.0
988.0000E 3	2.3147	0.57300	0.0	0.57640	0.28500	0.0	0.0	0.0	0.0
990.2000E 3	2.3124	0.62000	0.0	0.62340	0.28400	0.0	0.0	0.0	0.0
991.9000E 3	2.3107	0.66000	0.0	0.66330	0.28200	0.0	0.0	0.0	0.0
993.0000E 3	2.3096	0.68500	0.0	0.68830	0.28100	0.0	0.0	0.0	0.0
993.9000E 3	2.3087	0.70600	0.0	0.70930	0.28100	0.0	0.0	0.0	0.0
996.6000E 3	2.3060	0.76700	0.0	0.77020	0.27900	0.0	0.0	0.0	0.0
998.3000E 3	2.3043	0.80800	0.0	0.81120	0.27800	0.0	0.0	0.0	0.0
1.0054E 6	2.2972	0.65700	0.0	0.66010	0.26600	0.0	0.0	0.0	0.0
1.0079E 6	2.2947	0.61000	0.0	0.61310	0.26100	0.0	0.0	0.0	0.0
1.0106E 6	2.2920	0.57000	0.0	0.57310	0.25600	0.0	0.0	0.0	0.0
1.0160E 6	2.2867	0.46000	0.0	0.46300	0.24600	0.0	0.0	0.0	0.0
1.0191E 6	2.2837	0.40200	0.0	0.40500	0.24000	0.0	0.0	0.0	0.0
1.0201E 6	2.2827	0.38000	0.0	0.38300	0.23800	0.0	0.0	0.0	0.0
1.0332E 6	2.2699	0.40600	0.0	0.40890	0.21400	0.0	0.0	0.0	0.0
1.0369E 6	2.2663	0.42700	0.0	0.42990	0.20700	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 42

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0400E 6	2.2634	2.08000	1.63210	1.75195	0.00270	0.0	0.00020	0.0	0.00290
1.0418E 6	2.2616	1.95000	1.49310	1.65586	0.00270	0.0	0.00020	0.0	0.00290
1.0432E 6	2.2603	2.03000	1.56410	1.72500	0.00270	0.0	0.00020	0.0	0.00290
1.0474E 6	2.2563	2.95000	2.46220	2.48957	0.00260	0.0	0.00020	0.0	0.00280
1.0491E 6	2.2547	2.80000	2.30720	2.37317	0.00260	0.0	0.00020	0.0	0.00280
1.0520E 6	2.2519	3.11000	2.61220	2.63197	0.00260	0.0	0.00020	0.0	0.00280
1.0577E 6	2.2465	3.74000	3.23420	3.14491	0.00260	0.0	0.00020	0.0	0.00280
1.0610E 6	2.2434	3.60000	3.08730	3.02885	0.00250	0.0	0.00020	0.0	0.00270
1.0623E 6	2.2421	3.54000	3.02530	2.98032	0.00250	0.0	0.00020	0.0	0.00270
1.0670E 6	2.2377	4.10000	3.57630	3.43481	0.00250	0.0	0.00020	0.0	0.00270
1.0691E 6	2.2358	2.73000	2.20230	2.31817	0.00250	0.0	0.00020	0.0	0.00270
1.0720E 6	2.2331	2.76000	2.22740	2.34125	0.00240	0.0	0.00020	0.0	0.00260
1.0780E 6	2.2275	2.82000	2.27540	2.38995	0.00240	0.0	0.00020	0.0	0.00260
1.0796E 6	2.2260	2.83000	2.28240	2.39863	0.00240	0.0	0.00020	0.0	0.00260
1.0830E 6	2.2229	3.47000	2.91640	2.91588	0.00240	0.0	0.00020	0.0	0.00260
1.0840E 6	2.2219	3.66000	3.10440	3.07016	0.00240	0.0	0.00020	0.0	0.00260
1.0865E 6	2.2196	3.66000	3.09940	3.07111	0.00240	0.0	0.00020	0.0	0.00260
1.0899E 6	2.2165	2.86000	2.29240	2.42215	0.00240	0.0	0.00020	0.0	0.00260
1.0930E 6	2.2137	2.27000	1.69740	1.94410	0.00240	0.0	0.00020	0.0	0.00260
1.0990E 6	2.2082	3.07000	2.51340	2.58491	0.00240	0.0	0.00020	0.0	0.00260

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0400E 6	2.2634	0.44500	0.0	0.44790	0.20100	0.0	0.0	0.0	0.0
1.0418E 6	2.2616	0.45400	0.0	0.45690	0.19700	0.0	0.0	0.0	0.0
1.0432E 6	2.2603	0.46300	0.0	0.46590	0.19500	0.0	0.0	0.0	0.0
1.0474E 6	2.2563	0.48500	0.0	0.48780	0.18700	0.0	0.0	0.0	0.0
1.0491E 6	2.2547	0.49000	0.0	0.49280	0.18500	0.0	0.0	0.0	0.0
1.0520E 6	2.2519	0.49500	0.0	0.49780	0.18300	0.0	0.0	0.0	0.0
1.0577E 6	2.2465	0.50300	0.0	0.50580	0.18400	0.0	0.0	0.0	0.0
1.0610E 6	2.2434	0.51000	0.0	0.51270	0.18500	0.0	0.0	0.0	0.0
1.0623E 6	2.2421	0.51200	0.0	0.51470	0.18500	0.0	0.0	0.0	0.0
1.0670E 6	2.2377	0.52100	0.0	0.52370	0.18600	0.0	0.0	0.0	0.0
1.0691E 6	2.2358	0.52500	0.0	0.52770	0.18700	0.0	0.0	0.0	0.0
1.0720E 6	2.2331	0.53000	0.0	0.53260	0.18800	0.0	0.0	0.0	0.0
1.0780E 6	2.2275	0.54200	0.0	0.54460	0.18900	0.0	0.0	0.0	0.0
1.0796E 6	2.2260	0.54500	0.0	0.54760	0.18900	0.0	0.0	0.0	0.0
1.0830E 6	2.2229	0.55100	0.0	0.55360	0.19000	0.0	0.0	0.0	0.0
1.0840E 6	2.2219	0.55300	0.0	0.55560	0.19000	0.0	0.0	0.0	0.0
1.0865E 6	2.2196	0.55800	0.0	0.56060	0.19000	0.0	0.0	0.0	0.0
1.0899E 6	2.2165	0.56500	0.0	0.56760	0.19100	0.0	0.0	0.0	0.0
1.0930E 6	2.2137	0.57000	0.0	0.57260	0.19200	0.0	0.0	0.0	0.0
1.0990E 6	2.2082	0.55400	0.0	0.55660	0.19300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1020E 6	2.2055	2.41000	1.86730	2.04774	0.00240	0.0	0.00030	0.0	0.00270
1.1030E 6	2.2046	2.27000	1.73130	1.93240	0.00240	0.0	0.00030	0.0	0.00270
1.1064E 6	2.2015	1.80000	1.27530	1.54877	0.00240	0.0	0.00030	0.0	0.00270
1.1090E 6	2.1991	1.77000	1.25830	1.52086	0.00240	0.0	0.00030	0.0	0.00270
1.1101E 6	2.1981	1.75000	1.24230	1.50154	0.00240	0.0	0.00030	0.0	0.00270
1.1121E 6	2.1963	2.14000	1.64230	1.81154	0.00240	0.0	0.00030	0.0	0.00270
1.1140E 6	2.1946	2.20000	1.71030	1.85452	0.00240	0.0	0.00030	0.0	0.00270
1.1184E 6	2.1907	2.35000	1.87930	1.96662	0.00240	0.0	0.00030	0.0	0.00270
1.1200E 6	2.1893	2.17000	1.70730	1.82000	0.00240	0.0	0.00030	0.0	0.00270
1.1230E 6	2.1866	1.82000	1.37140	1.53612	0.00230	0.0	0.00030	0.0	0.00260
1.1250E 6	2.1848	1.82000	1.37940	1.53308	0.00230	0.0	0.00030	0.0	0.00260
1.1288E 6	2.1814	1.81000	1.38640	1.51886	0.00230	0.0	0.00030	0.0	0.00260
1.1318E 6	2.1788	2.32000	1.91040	1.91500	0.00230	0.0	0.00030	0.0	0.00260
1.1330E 6	2.1777	2.36000	1.95540	1.94350	0.00230	0.0	0.00030	0.0	0.00260
1.1356E 6	2.1754	3.15000	2.75740	2.55992	0.00230	0.0	0.00030	0.0	0.00260
1.1370E 6	2.1742	3.11000	2.72340	2.52447	0.00230	0.0	0.00030	0.0	0.00260
1.1385E 6	2.1729	3.06000	2.68040	2.48103	0.00230	0.0	0.00030	0.0	0.00260
1.1495E 6	2.1633	2.25000	1.87940	1.83089	0.00230	0.0	0.00030	0.0	0.00260
1.1510E 6	2.1620	2.35000	1.98040	1.90639	0.00230	0.0	0.00030	0.0	0.00260
1.1543E 6	2.1591	2.56000	2.19040	2.06059	0.00230	0.0	0.00030	0.0	0.00260

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1020E 6	2.2055	0.54000	0.0	0.54270	0.19400	0.0	0.0	0.0	0.0
1.1030E 6	2.2046	0.53600	0.0	0.53870	0.19500	0.0	0.0	0.0	0.0
1.1064E 6	2.2015	0.52200	0.0	0.52470	0.19700	0.0	0.0	0.0	0.0
1.1090E 6	2.1991	0.50900	0.0	0.51170	0.19800	0.0	0.0	0.0	0.0
1.1101E 6	2.1981	0.50500	0.0	0.50770	0.20000	0.0	0.0	0.0	0.0
1.1121E 6	2.1963	0.49500	0.0	0.49770	0.20000	0.0	0.0	0.0	0.0
1.1140E 6	2.1946	0.48700	0.0	0.48970	0.20200	0.0	0.0	0.0	0.0
1.1184E 6	2.1907	0.46800	0.0	0.47070	0.20400	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	0.46000	0.0	0.46270	0.20500	0.0	0.0	0.0	0.0
1.1230E 6	2.1866	0.44600	0.0	0.44860	0.20700	0.0	0.0	0.0	0.0
1.1250E 6	2.1848	0.43800	0.0	0.44060	0.20800	0.0	0.0	0.0	0.0
1.1288E 6	2.1814	0.42100	0.0	0.42360	0.21000	0.0	0.0	0.0	0.0
1.1318E 6	2.1788	0.40700	0.0	0.40960	0.21200	0.0	0.0	0.0	0.0
1.1330E 6	2.1777	0.40200	0.0	0.40460	0.21300	0.0	0.0	0.0	0.0
1.1356E 6	2.1754	0.39000	0.0	0.39260	0.21400	0.0	0.0	0.0	0.0
1.1370E 6	2.1742	0.38400	0.0	0.38660	0.21500	0.0	0.0	0.0	0.0
1.1385E 6	2.1729	0.37700	0.0	0.37960	0.21600	0.0	0.0	0.0	0.0
1.1495E 6	2.1633	0.36800	0.0	0.37060	0.22300	0.0	0.0	0.0	0.0
1.1510E 6	2.1620	0.36700	0.0	0.36960	0.22400	0.0	0.0	0.0	0.0
1.1543E 6	2.1591	0.36700	0.0	0.36960	0.22800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1569E 6	2.1568	2.55000	2.18140	2.04392	0.00230	0.0	0.00030	0.0	0.00260
1.1591E 6	2.1549	2.25000	1.88140	1.80975	0.00230	0.0	0.00030	0.0	0.00260
1.1638E 6	2.1509	2.55000	2.18250	2.02620	0.00220	0.0	0.00030	0.0	0.00250
1.1650E 6	2.1499	2.44000	2.07250	1.93846	0.00220	0.0	0.00030	0.0	0.00250
1.1677E 6	2.1475	2.20000	1.83350	1.75079	0.00220	0.0	0.00030	0.0	0.00250
1.1774E 6	2.1393	1.68000	1.31450	1.34217	0.00220	0.0	0.00030	0.0	0.00250
1.1790E 6	2.1379	1.75000	1.38550	1.39254	0.00220	0.0	0.00030	0.0	0.00250
1.1877E 6	2.1306	2.15000	1.78650	1.66943	0.00220	0.0	0.00030	0.0	0.00250
1.1930E 6	2.1261	2.61000	2.24750	1.99194	0.00220	0.0	0.00030	0.0	0.00250
1.1953E 6	2.1242	2.81000	2.44850	2.12932	0.00220	0.0	0.00030	0.0	0.00250
1.2003E 6	2.1200	2.80000	2.43950	2.10718	0.00220	0.0	0.00030	0.0	0.00250
1.2065E 6	2.1149	1.35000	0.99050	1.09643	0.00220	0.0	0.00030	0.0	0.00250
1.2154E 6	2.1075	2.32000	1.96150	1.89632	0.00220	0.0	0.00030	0.0	0.00250
1.2196E 6	2.1041	3.24000	2.88250	2.66638	0.00220	0.0	0.00030	0.0	0.00250
1.2216E 6	2.1024	3.33000	2.97250	2.76523	0.00220	0.0	0.00030	0.0	0.00250
1.2230E 6	2.1013	3.18000	2.82250	2.66348	0.00220	0.0	0.00030	0.0	0.00250
1.2265E 6	2.0984	2.22000	1.86350	1.90693	0.00220	0.0	0.00030	0.0	0.00250
1.2281E 6	2.0971	2.21000	1.85350	1.91159	0.00220	0.0	0.00030	0.0	0.00250
1.2302E 6	2.0954	1.61000	1.25350	1.41821	0.00220	0.0	0.00030	0.0	0.00250
1.2352E 6	2.0914	2.32000	1.96460	2.06264	0.00210	0.0	0.00030	0.0	0.00240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1569E 6	2.1568	0.36600	0.0	0.36860	0.23200	0.0	0.0	0.0	0.0
1.1591E 6	2.1549	0.36600	0.0	0.36860	0.23400	0.0	0.0	0.0	0.0
1.1638E 6	2.1509	0.36500	0.0	0.36750	0.24000	0.0	0.0	0.0	0.0
1.1650E 6	2.1499	0.36500	0.0	0.36750	0.24200	0.0	0.0	0.0	0.0
1.1677E 6	2.1475	0.36400	0.0	0.36650	0.24500	0.0	0.0	0.0	0.0
1.1774E 6	2.1393	0.36300	0.0	0.36550	0.25700	0.0	0.0	0.0	0.0
1.1790E 6	2.1379	0.36200	0.0	0.36450	0.25800	0.0	0.0	0.0	0.0
1.1877E 6	2.1306	0.36100	0.0	0.36350	0.26900	0.0	0.0	0.0	0.0
1.1930E 6	2.1261	0.36000	0.0	0.36250	0.27500	0.0	0.0	0.0	0.0
1.1953E 6	2.1242	0.35900	0.0	0.36150	0.27800	0.0	0.0	0.0	0.0
1.2003E 6	2.1200	0.35800	0.0	0.36050	0.28400	0.0	0.0	0.0	0.0
1.2065E 6	2.1149	0.35700	0.0	0.35950	0.25600	0.0	0.0	0.0	0.0
1.2154E 6	2.1075	0.35600	0.0	0.35850	0.21600	0.0	0.0	0.0	0.0
1.2196E 6	2.1041	0.35500	0.0	0.35750	0.19900	0.0	0.0	0.0	0.0
1.2216E 6	2.1024	0.35500	0.0	0.35750	0.19000	0.0	0.0	0.0	0.0
1.2230E 6	2.1013	0.35500	0.0	0.35750	0.18300	0.0	0.0	0.0	0.0
1.2265E 6	2.0984	0.35400	0.0	0.35650	0.16800	0.0	0.0	0.0	0.0
1.2281E 6	2.0971	0.35400	0.0	0.35650	0.16100	0.0	0.0	0.0	0.0
1.2302E 6	2.0954	0.35400	0.0	0.35650	0.15300	0.0	0.0	0.0	0.0
1.2352E 6	2.0914	0.35300	0.0	0.35540	0.13100	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 45

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.2389E 6	2.0884	4.02000	3.66560	3.60579	0.00210	0.0	0.00030	0.0	0.00240
1.2415E 6	2.0863	4.32000	3.96560	3.91551	0.00210	0.0	0.00030	0.0	0.00240
1.2430E 6	2.0851	4.17000	3.81660	3.80742	0.00210	0.0	0.00030	0.0	0.00240
1.2444E 6	2.0839	3.63000	3.27660	3.33838	0.00210	0.0	0.00030	0.0	0.00240
1.2548E 6	2.0756	2.36000	1.99960	2.19003	0.00210	0.0	0.00030	0.0	0.00240
1.2637E 6	2.0685	2.21000	1.83760	1.99316	0.00210	0.0	0.00030	0.0	0.00240
1.2680E 6	2.0651	2.89000	2.51160	2.55596	0.00210	0.0	0.00030	0.0	0.00240
1.2695E 6	2.0640	3.12000	2.73760	2.73947	0.00210	0.0	0.00030	0.0	0.00240
1.2730E 6	2.0612	3.14000	2.75660	2.72375	0.00210	0.0	0.00030	0.0	0.00240
1.2740E 6	2.0604	2.98000	2.59560	2.57768	0.00210	0.0	0.00030	0.0	0.00240
1.2776E 6	2.0576	2.42000	2.03260	2.07852	0.00210	0.0	0.00030	0.0	0.00240
1.2800E 6	2.0557	2.45000	2.06160	2.08510	0.00210	0.0	0.00030	0.0	0.00240
1.2848E 6	2.0520	2.54000	2.14860	2.11887	0.00210	0.0	0.00030	0.0	0.00240
1.2903E 6	2.0477	3.41000	3.01450	2.76490	0.00210	0.0	0.00040	0.0	0.00250
1.2940E 6	2.0448	3.04000	2.64250	2.43487	0.00210	0.0	0.00040	0.0	0.00250
1.2966E 6	2.0428	2.77000	2.36950	2.20606	0.00210	0.0	0.00040	0.0	0.00250
1.2990E 6	2.0410	2.42000	2.01850	1.91941	0.00210	0.0	0.00040	0.0	0.00250
1.3011E 6	2.0394	2.12000	1.71750	1.68719	0.00210	0.0	0.00040	0.0	0.00250
1.3069E 6	2.0349	2.43000	2.02650	1.90514	0.00210	0.0	0.00040	0.0	0.00250
1.3106E 6	2.0321	2.97000	2.56550	2.29784	0.00210	0.0	0.00040	0.0	0.00250

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.2389E 6	2.0884	0.35200	0.0	0.35440	0.11300	0.0	0.0	0.0	0.0
1.2415E 6	2.0863	0.35200	0.0	0.35440	0.10200	0.0	0.0	0.0	0.0
1.2430E 6	2.0851	0.35100	0.0	0.35340	0.09500	0.0	0.0	0.0	0.0
1.2444E 6	2.0839	0.35100	0.0	0.35340	0.08900	0.0	0.0	0.0	0.0
1.2548E 6	2.0756	0.35800	0.0	0.36040	0.08500	0.0	0.0	0.0	0.0
1.2637E 6	2.0685	0.37000	0.0	0.37240	0.11800	0.0	0.0	0.0	0.0
1.2680E 6	2.0651	0.37600	0.0	0.37840	0.13300	0.0	0.0	0.0	0.0
1.2695E 6	2.0640	0.38000	0.0	0.38240	0.13900	0.0	0.0	0.0	0.0
1.2730E 6	2.0612	0.38100	0.0	0.38340	0.15100	0.0	0.0	0.0	0.0
1.2740E 6	2.0604	0.38200	0.0	0.38440	0.15500	0.0	0.0	0.0	0.0
1.2776E 6	2.0576	0.38500	0.0	0.38740	0.16800	0.0	0.0	0.0	0.0
1.2800E 6	2.0557	0.38600	0.0	0.38840	0.17700	0.0	0.0	0.0	0.0
1.2848E 6	2.0520	0.38900	0.0	0.39140	0.19600	0.0	0.0	0.0	0.0
1.2903E 6	2.0477	0.39300	0.0	0.39550	0.21400	0.0	0.0	0.0	0.0
1.2940E 6	2.0448	0.39500	0.0	0.39750	0.22900	0.0	0.0	0.0	0.0
1.2966E 6	2.0428	0.39800	0.0	0.40050	0.23800	0.0	0.0	0.0	0.0
1.2990E 6	2.0410	0.39900	0.0	0.40150	0.24800	0.0	0.0	0.0	0.0
1.3011E 6	2.0394	0.40000	0.0	0.40250	0.25200	0.0	0.0	0.0	0.0
1.3069E 6	2.0349	0.40100	0.0	0.40350	0.25900	0.0	0.0	0.0	0.0
1.3106E 6	2.0321	0.40200	0.0	0.40450	0.26200	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.3113E 6	2.0316	3.05000	2.64550	2.35423	0.00210	0.0	0.00040	0.0	0.00250
1.3138E 6	2.0297	2.82000	2.41550	2.17748	0.00210	0.0	0.00040	0.0	0.00250
1.3160E 6	2.0280	2.41000	2.00550	1.87253	0.00210	0.0	0.00040	0.0	0.00250
1.3210E 6	2.0242	2.11000	1.70450	1.64297	0.00210	0.0	0.00040	0.0	0.00250
1.3236E 6	2.0222	1.96000	1.55350	1.52968	0.00210	0.0	0.00040	0.0	0.00250
1.3255E 6	2.0208	1.48000	1.07350	1.18049	0.00210	0.0	0.00040	0.0	0.00250
1.3330E 6	2.0152	2.06000	1.65250	1.58573	0.00210	0.0	0.00040	0.0	0.00250
1.3378E 6	2.0116	2.86000	2.45150	2.14416	0.00210	0.0	0.00040	0.0	0.00250
1.3430E 6	2.0077	2.95000	2.54050	2.19547	0.00210	0.0	0.00040	0.0	0.00250
1.3501E 6	2.0024	3.08000	2.66950	2.26580	0.00210	0.0	0.00040	0.0	0.00250
1.3547E 6	1.9990	2.92000	2.50850	2.15992	0.00210	0.0	0.00040	0.0	0.00250
1.3629E 6	1.9930	2.35000	1.93460	1.76962	0.00200	0.0	0.00040	0.0	0.00240
1.3701E 6	1.9877	2.26000	1.83760	1.71240	0.00200	0.0	0.00040	0.0	0.00240
1.3731E 6	1.9855	2.60000	2.17460	1.95414	0.00200	0.0	0.00040	0.0	0.00240
1.3868E 6	1.9756	2.28000	1.84060	1.74254	0.00200	0.0	0.00040	0.0	0.00240
1.3943E 6	1.9702	3.44000	2.99360	2.57186	0.00200	0.0	0.00040	0.0	0.00240
1.3962E 6	1.9688	3.29000	2.84160	2.46878	0.00200	0.0	0.00040	0.0	0.00240
1.3980E 6	1.9675	3.30000	2.84960	2.47932	0.00200	0.0	0.00040	0.0	0.00240
1.4014E 6	1.9651	3.33000	2.87460	2.51074	0.00200	0.0	0.00040	0.0	0.00240
1.4025E 6	1.9643	2.60000	2.14160	1.99393	0.00200	0.0	0.00040	0.0	0.00240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.3113E 6	2.0316	0.40200	0.0	0.40450	0.26300	0.0	0.0	0.0	0.0
1.3138E 6	2.0297	0.40200	0.0	0.40450	0.26600	0.0	0.0	0.0	0.0
1.3160E 6	2.0280	0.40200	0.0	0.40450	0.26800	0.0	0.0	0.0	0.0
1.3210E 6	2.0242	0.40300	0.0	0.40550	0.27400	0.0	0.0	0.0	0.0
1.3236E 6	2.0222	0.40400	0.0	0.40650	0.27700	0.0	0.0	0.0	0.0
1.3255E 6	2.0208	0.40400	0.0	0.40650	0.27900	0.0	0.0	0.0	0.0
1.3330E 6	2.0152	0.40500	0.0	0.40750	0.28700	0.0	0.0	0.0	0.0
1.3378E 6	2.0116	0.40600	0.0	0.40850	0.29200	0.0	0.0	0.0	0.0
1.3430E 6	2.0077	0.40700	0.0	0.40950	0.29700	0.0	0.0	0.0	0.0
1.3501E 6	2.0024	0.40800	0.0	0.41050	0.30500	0.0	0.0	0.0	0.0
1.3547E 6	1.9990	0.40900	0.0	0.41150	0.30300	0.0	0.0	0.0	0.0
1.3629E 6	1.9930	0.41300	0.0	0.41540	0.30000	0.0	0.0	0.0	0.0
1.3701E 6	1.9877	0.42000	0.0	0.42240	0.29800	0.0	0.0	0.0	0.0
1.3731E 6	1.9855	0.42300	0.0	0.42540	0.29700	0.0	0.0	0.0	0.0
1.3868E 6	1.9756	0.43700	0.0	0.43940	0.29200	0.0	0.0	0.0	0.0
1.3943E 6	1.9702	0.44400	0.0	0.44640	0.29000	0.0	0.0	0.0	0.0
1.3962E 6	1.9688	0.44600	0.0	0.44840	0.28900	0.0	0.0	0.0	0.0
1.3980E 6	1.9675	0.44800	0.0	0.45040	0.28800	0.0	0.0	0.0	0.0
1.4014E 6	1.9651	0.45300	0.0	0.45540	0.28500	0.0	0.0	0.0	0.0
1.4025E 6	1.9643	0.45600	0.0	0.45840	0.28300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.4083E 6	1.9602	2.63000	2.15960	2.04043	0.00200	0.0	0.00040	0.0	0.00240
1.4108E 6	1.9584	2.38000	1.90360	1.86984	0.00200	0.0	0.00040	0.0	0.00240
1.4120E 6	1.9576	2.40000	1.92170	1.88883	0.00190	0.0	0.00040	0.0	0.00230
1.4170E 6	1.9540	2.40000	1.91070	1.91086	0.00190	0.0	0.00040	0.0	0.00230
1.4198E 6	1.9521	2.41000	1.91370	1.92966	0.00190	0.0	0.00040	0.0	0.00230
1.4230E 6	1.9498	2.58000	2.07770	2.07096	0.00190	0.0	0.00040	0.0	0.00230
1.4321E 6	1.9434	3.06000	2.53770	2.47887	0.00190	0.0	0.00040	0.0	0.00230
1.4447E 6	1.9347	2.63000	2.07970	2.20366	0.00190	0.0	0.00040	0.0	0.00230
1.4521E 6	1.9296	2.83000	2.26560	2.37688	0.00190	0.0	0.00050	0.0	0.00240
1.4562E 6	1.9268	3.38000	2.84460	2.80539	0.00190	0.0	0.00050	0.0	0.00240
1.4740E 6	1.9146	3.43000	2.83760	2.82275	0.00190	0.0	0.00050	0.0	0.00240
1.4790E 6	1.9112	3.82000	3.19860	3.12271	0.00190	0.0	0.00050	0.0	0.00240
1.4810E 6	1.9099	3.98000	3.34760	3.24688	0.00190	0.0	0.00050	0.0	0.00240
1.4825E 6	1.9089	4.10000	3.46060	3.33867	0.00190	0.0	0.00050	0.0	0.00240
1.4862E 6	1.9064	4.07000	3.41060	3.31285	0.00190	0.0	0.00050	0.0	0.00240
1.4930E 6	1.9018	3.37000	2.67260	2.76332	0.00190	0.0	0.00050	0.0	0.00240
1.4980E 6	1.8985	2.77000	2.04360	2.29997	0.00190	0.0	0.00050	0.0	0.00240
1.4993E 6	1.8976	2.62000	1.88060	2.18558	0.00190	0.0	0.00050	0.0	0.00240
1.5010E 6	1.8965	2.52000	1.78260	2.10822	0.00190	0.0	0.00050	0.0	0.00240
1.5040E 6	1.8945	2.35000	1.61560	1.97518	0.00190	0.0	0.00050	0.0	0.00240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.4083E 6	1.9602	0.46800	0.0	0.47040	0.27300	0.0	0.0	0.0	0.0
1.4108E 6	1.9584	0.47400	0.0	0.47640	0.26800	0.0	0.0	0.0	0.0
1.4120E 6	1.9576	0.47600	0.0	0.47830	0.26600	0.0	0.0	0.0	0.0
1.4170E 6	1.9540	0.48700	0.0	0.48930	0.25600	0.0	0.0	0.0	0.0
1.4198E 6	1.9521	0.49400	0.0	0.49630	0.25100	0.0	0.0	0.0	0.0
1.4230E 6	1.9498	0.50000	0.0	0.50230	0.24500	0.0	0.0	0.0	0.0
1.4321E 6	1.9434	0.52000	0.0	0.52230	0.22900	0.0	0.0	0.0	0.0
1.4447E 6	1.9347	0.54800	0.0	0.55030	0.20500	0.0	0.0	0.0	0.0
1.4521E 6	1.9296	0.56200	0.0	0.56440	0.20000	0.0	0.0	0.0	0.0
1.4562E 6	1.9268	0.53300	0.0	0.53540	0.20200	0.0	0.0	0.0	0.0
1.4740E 6	1.9146	0.59000	0.0	0.59240	0.21400	0.0	0.0	0.0	0.0
1.4790E 6	1.9112	0.61900	0.0	0.62140	0.21800	0.0	0.0	0.0	0.0
1.4810E 6	1.9099	0.63000	0.0	0.63240	0.21900	0.0	0.0	0.0	0.0
1.4825E 6	1.9089	0.63700	0.0	0.63940	0.22000	0.0	0.0	0.0	0.0
1.4862E 6	1.9064	0.65700	0.0	0.65940	0.22200	0.0	0.0	0.0	0.0
1.4930E 6	1.9018	0.69500	0.0	0.69740	0.22700	0.0	0.0	0.0	0.0
1.4980E 6	1.8985	0.72400	0.0	0.72640	0.23000	0.0	0.0	0.0	0.0
1.4993E 6	1.8976	0.73700	0.0	0.73940	0.23100	0.0	0.0	0.0	0.0
1.5010E 6	1.8965	0.73500	0.0	0.73740	0.23100	0.0	0.0	0.0	0.0
1.5040E 6	1.8945	0.73200	0.0	0.73440	0.23200	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 48

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.5056E 6	1.8934	2.54000	1.80760	2.12064	0.00190	0.0	0.00050	0.0	0.00240
1.5090E 6	1.8911	2.29000	1.56260	1.92591	0.00190	0.0	0.00050	0.0	0.00240
1.5123E 6	1.8890	2.81000	2.08660	2.32382	0.00190	0.0	0.00050	0.0	0.00240
1.5148E 6	1.8873	2.00000	1.28060	1.70034	0.00190	0.0	0.00050	0.0	0.00240
1.5175E 6	1.8855	3.30000	2.58360	2.69285	0.00190	0.0	0.00050	0.0	0.00240
1.5240E 6	1.8812	2.23000	1.52260	1.87067	0.00190	0.0	0.00050	0.0	0.00240
1.5300E 6	1.8773	3.70000	2.99960	2.98909	0.00190	0.0	0.00050	0.0	0.00240
1.5600E 6	1.8579	2.70000	2.03660	2.20714	0.00190	0.0	0.00050	0.0	0.00240
1.5900E 6	1.8389	2.70000	2.06960	2.18881	0.00180	0.0	0.00060	0.0	0.00240
1.6000E 6	1.8326	2.90000	2.28060	2.33213	0.00180	0.0	0.00060	0.0	0.00240
1.6200E 6	1.8202	2.80000	2.17560	2.24957	0.00180	0.0	0.00060	0.0	0.00240
1.6500E 6	1.8018	2.86000	2.22670	2.28106	0.00170	0.0	0.00060	0.0	0.00230
1.6700E 6	1.7898	2.90000	2.31270	2.28945	0.00170	0.0	0.00060	0.0	0.00230
1.6800E 6	1.7838	3.20000	2.66170	2.49199	0.00170	0.0	0.00060	0.0	0.00230
1.6900E 6	1.7779	2.70000	2.21170	2.10726	0.00170	0.0	0.00060	0.0	0.00230
1.7000E 6	1.7720	2.30000	1.85960	1.79791	0.00170	0.0	0.00070	0.0	0.00240
1.7200E 6	1.7603	2.20000	1.72570	1.73061	0.00160	0.0	0.00070	0.0	0.00230
1.7300E 6	1.7545	2.70000	2.20870	2.09702	0.00160	0.0	0.00070	0.0	0.00230
1.7400E 6	1.7487	3.10000	2.59170	2.38987	0.00160	0.0	0.00070	0.0	0.00230
1.7700E 6	1.7316	2.80000	2.23970	2.17960	0.00160	0.0	0.00070	0.0	0.00230

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.5056E 6	1.8934	0.73000	0.0	0.73240	0.23200	0.0	0.0	0.0	0.0
1.5090E 6	1.8911	0.72500	0.0	0.72740	0.23300	0.0	0.0	0.0	0.0
1.5123E 6	1.8890	0.72100	0.0	0.72340	0.23300	0.0	0.0	0.0	0.0
1.5148E 6	1.8873	0.71700	0.0	0.71940	0.23400	0.0	0.0	0.0	0.0
1.5175E 6	1.8855	0.71400	0.0	0.71640	0.23500	0.0	0.0	0.0	0.0
1.5240E 6	1.8812	0.70500	0.0	0.70740	0.23600	0.0	0.0	0.0	0.0
1.5300E 6	1.8773	0.69800	0.0	0.70040	0.23700	0.0	0.0	0.0	0.0
1.5600E 6	1.8579	0.66100	0.0	0.66340	0.24200	0.0	0.0	0.0	0.0
1.5900E 6	1.8389	0.62800	0.0	0.63040	0.24700	0.0	0.0	0.0	0.0
1.6000E 6	1.8326	0.61700	0.0	0.61940	0.24900	0.0	0.0	0.0	0.0
1.6200E 6	1.8202	0.62200	0.0	0.62440	0.25300	0.0	0.0	0.0	0.0
1.6500E 6	1.8018	0.63100	0.0	0.63330	0.26000	0.0	0.0	0.0	0.0
1.6700E 6	1.7898	0.58500	0.0	0.58730	0.26400	0.0	0.0	0.0	0.0
1.6800E 6	1.7838	0.53600	0.0	0.53830	0.26600	0.0	0.0	0.0	0.0
1.6900E 6	1.7779	0.48600	0.0	0.48830	0.26800	0.0	0.0	0.0	0.0
1.7000E 6	1.7720	0.43800	0.0	0.44040	0.27000	0.0	0.0	0.0	0.0
1.7200E 6	1.7603	0.47200	0.0	0.47430	0.27200	0.0	0.0	0.0	0.0
1.7300E 6	1.7545	0.48900	0.0	0.49130	0.27300	0.0	0.0	0.0	0.0
1.7400E 6	1.7487	0.50600	0.0	0.50830	0.27400	0.0	0.0	0.0	0.0
1.7700E 6	1.7316	0.55800	0.0	0.56030	0.27700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.7900E 6	1.7204	2.50000	1.90670	1.96803	0.00160	0.0	0.00070	0.0	0.00230
1.8000E 6	1.7148	2.50000	1.88970	1.97088	0.00160	0.0	0.00070	0.0	0.00230
1.8200E 6	1.7037	2.60000	1.98770	2.03748	0.00150	0.0	0.00080	0.0	0.00230
1.8400E 6	1.6928	3.00000	2.38570	2.31769	0.00150	0.0	0.00080	0.0	0.00230
1.8600E 6	1.6820	3.20000	2.57170	2.45678	0.00150	0.0	0.00080	0.0	0.00230
1.8700E 6	1.6766	2.90000	2.25770	2.24301	0.00150	0.0	0.00080	0.0	0.00230
1.8800E 6	1.6713	2.65000	1.99380	2.06781	0.00140	0.0	0.00080	0.0	0.00220
1.9000E 6	1.6607	2.90000	2.20780	2.24870	0.00140	0.0	0.00080	0.0	0.00220
1.9100E 6	1.6555	3.40000	2.68470	2.60264	0.00140	0.0	0.00090	0.0	0.00230
1.9300E 6	1.6451	3.40000	2.64070	2.61307	0.00140	0.0	0.00090	0.0	0.00230
1.9400E 6	1.6399	2.90000	2.11780	2.26254	0.00130	0.0	0.00090	0.0	0.00220
1.9500E 6	1.6348	2.70000	1.89480	2.12588	0.00130	0.0	0.00090	0.0	0.00220
1.9700E 6	1.6246	2.90000	2.13880	2.24553	0.00130	0.0	0.00090	0.0	0.00220
1.9800E 6	1.6195	3.40000	2.66380	2.58221	0.00130	0.0	0.00090	0.0	0.00220
1.9900E 6	1.6145	3.10000	2.38780	2.36217	0.00130	0.0	0.00090	0.0	0.00220
2.0000E 6	1.6094	2.90000	2.21770	2.21251	0.00130	0.0	0.00100	0.0	0.00230
2.0100E 6	1.6045	3.10000	2.41870	2.34778	0.00130	0.0	0.00100	0.0	0.00230
2.0300E 6	1.5945	3.15000	2.46070	2.37980	0.00130	0.0	0.00100	0.0	0.00230
2.0400E 6	1.5896	3.30000	2.60170	2.48307	0.00130	0.0	0.00100	0.0	0.00230
2.0500E 6	1.5847	3.40000	2.69370	2.54879	0.00130	0.0	0.00100	0.0	0.00230

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.7900E 6	1.7204	0.59100	0.0	0.59330	0.27900	0.0	0.0	0.0	0.0
1.8000E 6	1.7148	0.60800	0.0	0.61030	0.28000	0.0	0.0	0.0	0.0
1.8200E 6	1.7037	0.61000	0.0	0.61230	0.28300	0.0	0.0	0.0	0.0
1.8400E 6	1.6928	0.61200	0.0	0.61430	0.28600	0.0	0.0	0.0	0.0
1.8600E 6	1.6820	0.62600	0.0	0.62830	0.28900	0.0	0.0	0.0	0.0
1.8700E 6	1.6766	0.64000	0.0	0.64230	0.29100	0.0	0.0	0.0	0.0
1.8800E 6	1.6713	0.65400	0.0	0.65620	0.29200	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.69000	0.0	0.69220	0.29500	0.0	0.0	0.0	0.0
1.9100E 6	1.6555	0.71300	0.0	0.71530	0.29700	0.0	0.0	0.0	0.0
1.9300E 6	1.6451	0.75700	0.0	0.75930	0.29800	0.0	0.0	0.0	0.0
1.9400E 6	1.6399	0.78000	0.0	0.78220	0.30100	0.0	0.0	0.0	0.0
1.9500E 6	1.6348	0.80300	0.0	0.80520	0.30300	0.0	0.0	0.0	0.0
1.9700E 6	1.6246	0.75900	0.0	0.76120	0.30600	0.0	0.0	0.0	0.0
1.9800E 6	1.6195	0.73400	0.0	0.73620	0.30700	0.0	0.0	0.0	0.0
1.9900E 6	1.6145	0.71000	0.0	0.71220	0.30900	0.0	0.0	0.0	0.0
2.0000E 6	1.6094	0.68000	0.0	0.68230	0.31000	0.0	0.0	0.0	0.0
2.0100E 6	1.6045	0.67900	0.0	0.68130	0.31100	0.0	0.0	0.0	0.0
2.0300E 6	1.5945	0.68700	0.0	0.68930	0.31300	0.0	0.0	0.0	0.0
2.0400E 6	1.5896	0.69600	0.0	0.69830	0.31400	0.0	0.0	0.0	0.0
2.0500E 6	1.5847	0.70400	0.0	0.70630	0.31600	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 50

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.0700E 6	1.5750	2.95000	2.22660	2.24194	0.00130	0.0	0.00110	0.0	0.00240
2.1000E 6	1.5606	3.00000	2.24770	2.27849	0.00120	0.0	0.00110	0.0	0.00230
2.1200E 6	1.5512	3.30000	2.49770	2.49324	0.00120	0.0	0.00110	0.0	0.00230
2.1400E 6	1.5418	3.30000	2.44260	2.50371	0.00120	0.0	0.00120	0.0	0.00240
2.1600E 6	1.5325	3.10000	2.21060	2.37492	0.00120	0.0	0.00120	0.0	0.00240
2.1800E 6	1.5233	3.15000	2.24950	2.43016	0.00120	0.0	0.00130	0.0	0.00250
2.2000E 6	1.5141	3.20000	2.29350	2.43626	0.00120	0.0	0.00130	0.0	0.00250
2.2300E 6	1.5006	2.40000	1.50240	1.89369	0.00120	0.0	0.00140	0.0	0.00260
2.2500E 6	1.4917	3.10000	2.19940	2.35440	0.00120	0.0	0.00140	0.0	0.00260
2.2700E 6	1.4828	3.10000	2.18630	2.35010	0.00120	0.0	0.00150	0.0	0.00270
2.3000E 6	1.4697	3.20000	2.26630	2.41133	0.00110	0.0	0.00160	0.0	0.00270
2.3200E 6	1.4610	2.80000	1.83130	2.15721	0.00110	0.0	0.00160	0.0	0.00270
2.3300E 6	1.4567	2.55000	1.56330	1.99816	0.00110	0.0	0.00160	0.0	0.00270
2.3600E 6	1.4439	2.80000	1.77720	2.16376	0.00110	0.0	0.00170	0.0	0.00280
2.3800E 6	1.4355	3.50000	2.52010	2.58772	0.00110	0.0	0.00180	0.0	0.00290
2.4000E 6	1.4271	3.20000	2.25200	2.37802	0.00110	0.0	0.00190	0.0	0.00300
2.4200E 6	1.4188	3.25000	2.34400	2.38741	0.00110	0.0	0.00190	0.0	0.00300
2.4400E 6	1.4106	3.40000	2.54290	2.45404	0.00110	0.0	0.00200	0.0	0.00310
2.4600E 6	1.4024	3.50000	2.67380	2.49465	0.00110	0.0	0.00210	0.0	0.00320
2.4800E 6	1.3943	3.10000	2.23480	2.25301	0.00110	0.0	0.00210	0.0	0.00320

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.0700E 6	1.5750	0.72100	0.0	0.72340	0.31800	0.0	0.0	0.0	0.0
2.1000E 6	1.5606	0.75000	0.0	0.75230	0.32100	0.0	0.0	0.0	0.0
2.1200E 6	1.5512	0.80000	0.0	0.80230	0.32300	0.0	0.0	0.0	0.0
2.1400E 6	1.5418	0.85500	0.0	0.85740	0.32600	0.0	0.0	0.0	0.0
2.1600E 6	1.5325	0.88700	0.0	0.88940	0.32800	0.0	0.0	0.0	0.0
2.1800E 6	1.5233	0.89800	0.0	0.90050	0.32000	0.0	0.0	0.0	0.0
2.2000E 6	1.5141	0.90400	0.0	0.90650	0.33300	0.0	0.0	0.0	0.0
2.2300E 6	1.5006	0.89500	0.0	0.89760	0.33700	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	0.89800	0.0	0.90060	0.33900	0.0	0.0	0.0	0.0
2.2700E 6	1.4828	0.91100	0.0	0.91370	0.34300	0.0	0.0	0.0	0.0
2.3000E 6	1.4697	0.93100	0.0	0.93370	0.34800	0.0	0.0	0.0	0.0
2.3200E 6	1.4610	0.96600	0.0	0.96870	0.35100	0.0	0.0	0.0	0.0
2.3300E 6	1.4567	0.98400	0.0	0.98670	0.35300	0.0	0.0	0.0	0.0
2.3600E 6	1.4439	1.02000	0.0	1.02280	0.35800	0.0	0.0	0.0	0.0
2.3800E 6	1.4355	0.97700	0.0	0.97990	0.36200	0.0	0.0	0.0	0.0
2.4000E 6	1.4271	0.94500	0.0	0.94800	0.36500	0.0	0.0	0.0	0.0
2.4200E 6	1.4188	0.90300	0.0	0.90600	0.36800	0.0	0.0	0.0	0.0
2.4400E 6	1.4106	0.85400	0.0	0.85710	0.37200	0.0	0.0	0.0	0.0
2.4600E 6	1.4024	0.82300	0.0	0.82620	0.37600	0.0	0.0	0.0	0.0
2.4800E 6	1.3943	0.86200	0.0	0.86520	0.37900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5100E 6	1.3823	3.20000	2.28480	2.32492	0.00100	0.0	0.00220	0.0	0.00320
2.5300E 6	1.3744	3.50000	2.54370	2.51559	0.00100	0.0	0.00230	0.0	0.00330
2.5500E 6	1.3665	3.80000	2.77950	2.71322	0.00100	0.0	0.00250	0.0	0.00350
2.5700E 6	1.3587	3.70000	2.69140	2.63690	0.00100	0.0	0.00260	0.0	0.00360
2.5900E 6	1.3509	3.20000	2.21330	2.31689	0.00100	0.0	0.00270	0.0	0.00370
2.6100E 6	1.3432	3.00000	2.05320	2.17667	0.00100	0.0	0.00280	0.0	0.00380
2.6400E 6	1.3318	3.00000	2.16400	2.11709	0.00100	0.0	0.00300	0.0	0.00400
2.6600E 6	1.3243	3.50000	2.62191	2.42240	0.00099	0.0	0.00310	0.0	0.00409
2.6800E 6	1.3168	3.10000	2.20982	2.18513	0.00098	0.0	0.00320	0.0	0.00418
2.7100E 6	1.3056	3.20000	2.25564	2.25940	0.00096	0.0	0.00340	0.0	0.00436
2.7300E 6	1.2983	3.50000	2.58654	2.41107	0.00096	0.0	0.00350	0.0	0.00446
2.7600E 6	1.2874	2.90000	2.02335	2.03603	0.00095	0.0	0.00370	0.0	0.00465
2.7800E 6	1.2801	3.20000	2.37326	2.17713	0.00094	0.0	0.00380	0.0	0.00474
2.8000E 6	1.2730	3.15000	2.41917	2.10008	0.00093	0.0	0.00390	0.0	0.00483
2.8100E 6	1.2694	2.80000	2.07207	1.89658	0.00093	0.0	0.00400	0.0	0.00493
2.8200E 6	1.2658	3.40000	2.63007	2.25066	0.00093	0.0	0.00400	0.0	0.00493
2.8400E 6	1.2588	3.10000	2.20598	2.12716	0.00092	0.0	0.00410	0.0	0.00502
2.8700E 6	1.2483	3.20000	2.30079	2.17615	0.00091	0.0	0.00430	0.0	0.00521
2.8900E 6	1.2413	3.10000	2.22270	2.10201	0.00090	0.0	0.00440	0.0	0.00530
2.9100E 6	1.2344	3.00000	2.11160	2.04556	0.00090	0.0	0.00450	0.0	0.00540

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5100E 6	1.3823	0.91200	0.0	0.91520	0.38300	0.0	0.0	0.0	0.0
2.5300E 6	1.3744	0.95300	0.0	0.95630	0.38700	0.0	0.0	0.0	0.0
2.5500E 6	1.3665	1.01700	0.0	1.02050	0.39100	0.0	0.0	0.0	0.0
2.5700E 6	1.3587	1.00500	0.0	1.00860	0.39500	0.0	0.0	0.0	0.0
2.5900E 6	1.3509	0.98300	0.0	0.98670	0.39900	0.0	0.0	0.0	0.0
2.6100E 6	1.3432	0.94300	0.0	0.94680	0.40100	0.0	0.0	0.0	0.0
2.6400E 6	1.3318	0.83200	0.0	0.83600	0.40800	0.0	0.0	0.0	0.0
2.6600E 6	1.3243	0.87400	0.0	0.87809	0.41100	0.0	0.0	0.0	0.0
2.6800E 6	1.3168	0.88600	0.0	0.89018	0.41400	0.0	0.0	0.0	0.0
2.7100E 6	1.3056	0.94000	0.0	0.94436	0.41700	0.0	0.0	0.0	0.0
2.7300E 6	1.2983	0.90900	0.0	0.91346	0.42100	0.0	0.0	0.0	0.0
2.7600E 6	1.2874	0.87200	0.0	0.87665	0.42700	0.0	0.0	0.0	0.0
2.7800E 6	1.2801	0.82200	0.0	0.82674	0.43100	0.0	0.0	0.0	0.0
2.8000E 6	1.2730	0.72600	0.0	0.73083	0.43400	0.0	0.0	0.0	0.0
2.8100E 6	1.2694	0.72300	0.0	0.72793	0.43600	0.0	0.0	0.0	0.0
2.8200E 6	1.2658	0.76500	0.0	0.76993	0.43700	0.0	0.0	0.0	0.0
2.8400E 6	1.2588	0.88900	0.0	0.89402	0.44100	0.0	0.0	0.0	0.0
2.8700E 6	1.2483	0.89400	0.0	0.89921	0.44500	0.0	0.0	0.0	0.0
2.8900E 6	1.2413	0.87200	0.0	0.87730	0.44900	0.0	0.0	0.0	0.0
2.9100E 6	1.2344	0.88300	0.0	0.88840	0.45200	0.0	0.0	0.0	0.0

MATERIAL FE FE -CS- 52

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.9300E 6	1.2276	3.20000	2.34351	2.13370	0.00089	0.0	0.00460	0.0	0.00549
2.9600E 6	1.2174	3.10000	2.24431	2.06762	0.00089	0.0	0.00480	0.0	0.00569
2.9800E 6	1.2107	2.75000	1.79122	1.91887	0.00088	0.0	0.00490	0.0	0.00578
3.0000E 6	1.2040	3.48000	2.42413	2.34793	0.00087	0.0	0.00500	0.0	0.00587
3.0300E 6	1.1940	3.47000	2.58674	2.24906	0.00086	0.0	0.00540	0.0	0.00626
3.0600E 6	1.1842	3.46000	2.59045	2.22436	0.00085	0.0	0.00570	0.0	0.00655
3.0800E 6	1.1777	3.45000	2.53125	2.23500	0.00085	0.0	0.00590	0.0	0.00675
3.1100E 6	1.1680	3.56000	2.54495	2.32570	0.00085	0.0	0.00620	0.0	0.00705
3.1500E 6	1.1552	3.70000	2.53356	2.45602	0.00084	0.0	0.00660	0.0	0.00744
3.1900E 6	1.1426	3.65000	2.61108	2.34968	0.00082	0.0	0.00710	0.0	0.00792
3.2400E 6	1.1270	3.58000	2.51159	2.30914	0.00081	0.0	0.00760	0.0	0.00841
3.2800E 6	1.1147	3.54000	2.43420	2.29369	0.00080	0.0	0.00800	0.0	0.00880
3.3200E 6	1.1026	3.49000	2.41281	2.24016	0.00079	0.0	0.00840	0.0	0.00919
3.3600E 6	1.0906	3.46000	2.39132	2.21173	0.00078	0.0	0.00890	0.0	0.00968
3.3900E 6	1.0818	3.44000	2.44002	2.15167	0.00078	0.0	0.00920	0.0	0.00998
3.4500E 6	1.0642	3.49000	2.51034	2.14446	0.00076	0.0	0.00990	0.0	0.01066
3.5100E 6	1.0470	3.54000	2.55775	2.14858	0.00075	0.0	0.01050	0.0	0.01125
3.5600E 6	1.0328	3.62000	2.38216	2.30505	0.00074	0.0	0.01110	0.0	0.01184
3.6000E 6	1.0217	3.54000	2.14267	2.34653	0.00073	0.0	0.01160	0.0	0.01233
3.6500E 6	1.0079	3.44000	1.97608	2.32351	0.00072	0.0	0.01220	0.0	0.01292

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.9300E 6	1.2276	0.85100	0.0	0.85649	0.45500	0.0	0.0	0.0	0.0
2.9600E 6	1.2174	0.85000	0.0	0.85569	0.46000	0.0	0.0	0.0	0.0
2.9800E 6	1.2107	0.95300	0.0	0.95878	0.46400	0.0	0.0	0.0	0.0
3.0000E 6	1.2040	1.05000	0.0	1.05587	0.46700	0.0	0.0	0.0	0.0
3.0300E 6	1.1940	0.87700	0.0	0.88326	0.47200	0.0	0.0	0.0	0.0
3.0600E 6	1.1842	0.86300	0.0	0.86955	0.47700	0.0	0.0	0.0	0.0
3.0800E 6	1.1777	0.91200	0.0	0.91875	0.48000	0.0	0.0	0.0	0.0
3.1100E 6	1.1680	1.00800	0.0	1.01505	0.48500	0.0	0.0	0.0	0.0
3.1500E 6	1.1552	1.15900	0.0	1.16644	0.49100	0.0	0.0	0.0	0.0
3.1900E 6	1.1426	1.03100	0.0	1.03892	0.49800	0.0	0.0	0.0	0.0
3.2400E 6	1.1270	1.06000	0.0	1.06841	0.50600	0.0	0.0	0.0	0.0
3.2800E 6	1.1147	1.09700	0.0	1.10580	0.51200	0.0	0.0	0.0	0.0
3.3200E 6	1.1026	1.06800	0.0	1.07719	0.51800	0.0	0.0	0.0	0.0
3.3600E 6	1.0906	1.05900	0.0	1.06868	0.52200	0.0	0.0	0.0	0.0
3.3900E 6	1.0818	0.99000	0.0	0.99998	0.52800	0.0	0.0	0.0	0.0
3.4500E 6	1.0642	0.96900	0.0	0.97966	0.53600	0.0	0.0	0.0	0.0
3.5100E 6	1.0470	0.97100	0.0	0.98225	0.54400	0.0	0.0	0.0	0.0
3.5600E 6	1.0328	1.22600	0.0	1.23784	0.55200	0.0	0.0	0.0	0.0
3.6000E 6	1.0217	1.38500	0.0	1.39733	0.55700	0.0	0.0	0.0	0.0
3.6500E 6	1.0079	1.45100	0.0	1.46392	0.56500	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 53

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.6800E 6	0.9997	3.51000	2.03768	2.35056	0.00072	0.0	0.01260	0.0	0.01332
3.7100E 6	0.9916	3.57000	2.10029	2.36653	0.00071	0.0	0.01300	0.0	0.01371
3.7400E 6	0.9835	3.58000	2.16290	2.32984	0.00070	0.0	0.01340	0.0	0.01410
3.7700E 6	0.9755	3.58000	2.24560	2.27306	0.00070	0.0	0.01370	0.0	0.01440
3.8000E 6	0.9676	3.59000	2.35421	2.21043	0.00069	0.0	0.01410	0.0	0.01479
3.8300E 6	0.9597	3.60000	2.38982	2.18762	0.00068	0.0	0.01450	0.0	0.01518
3.8600E 6	0.9519	3.70000	2.49652	2.21457	0.00068	0.0	0.01480	0.0	0.01548
3.9100E 6	0.9390	3.65000	2.45393	2.17519	0.00067	0.0	0.01540	0.0	0.01607
3.9500E 6	0.9289	3.77000	2.57643	2.20353	0.00067	0.0	0.01590	0.0	0.01657
3.9900E 6	0.9188	3.65000	2.17894	2.31213	0.00066	0.0	0.01640	0.0	0.01706
4.0600E 6	0.9014	3.66000	2.19005	2.29560	0.00065	0.0	0.01720	0.00010	0.01795
4.1100E 6	0.8892	3.62000	2.15746	2.26512	0.00064	0.0	0.01780	0.00010	0.01854
4.1400E 6	0.8819	3.74000	2.27917	2.29501	0.00063	0.0	0.01810	0.00010	0.01883
4.1800E 6	0.8723	3.74000	2.28068	2.28493	0.00062	0.0	0.01860	0.00010	0.01932
4.2200E 6	0.8627	3.78000	2.32428	2.28781	0.00062	0.0	0.01900	0.00010	0.01972
4.2600E 6	0.8533	3.76000	2.30879	2.26852	0.00061	0.0	0.01950	0.00010	0.02021
4.3000E 6	0.8440	3.59000	2.14439	2.19400	0.00061	0.0	0.01990	0.00010	0.02061
4.3400E 6	0.8347	3.64000	2.18089	2.21152	0.00061	0.0	0.02040	0.00010	0.02111
4.3800E 6	0.8255	3.53000	2.05740	2.17417	0.00060	0.0	0.02090	0.00010	0.02160
4.4200E 6	0.8164	3.51000	2.02190	2.16948	0.00060	0.0	0.02130	0.00020	0.02210

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.6800E 6	0.9997	1.45900	0.0	1.47232	0.56900	0.0	0.0	0.0	0.0
3.7100E 6	0.9916	1.45600	0.0	1.46971	0.57300	0.0	0.0	0.0	0.0
3.7400E 6	0.9835	1.40300	0.0	1.41710	0.57800	0.0	0.0	0.0	0.0
3.7700E 6	0.9755	1.32000	0.0	1.33440	0.58200	0.0	0.0	0.0	0.0
3.8000E 6	0.9676	1.22100	0.0	1.23579	0.58600	0.0	0.0	0.0	0.0
3.8300E 6	0.9597	1.19500	0.0	1.21018	0.59100	0.0	0.0	0.0	0.0
3.8600E 6	0.9519	1.18800	0.0	1.20348	0.59500	0.0	0.0	0.0	0.0
3.9100E 6	0.9390	1.18000	0.0	1.19607	0.60100	0.0	0.0	0.0	0.0
3.9500E 6	0.9289	1.17700	0.0	1.19357	0.60800	0.0	0.0	0.0	0.0
3.9900E 6	0.9188	1.45400	0.0	1.47106	0.61400	0.0	0.0	0.0	0.0
4.0600E 6	0.9014	1.45200	0.0	1.46995	0.62300	0.0	0.0	0.0	0.0
4.1100E 6	0.8892	1.44400	0.0	1.46254	0.62800	0.0	0.0	0.0	0.0
4.1400E 6	0.8819	1.44200	0.0	1.46083	0.63400	0.0	0.0	0.0	0.0
4.1800E 6	0.8723	1.44000	0.0	1.45932	0.63800	0.0	0.0	0.0	0.0
4.2200E 6	0.8627	1.43600	0.0	1.45572	0.64200	0.0	0.0	0.0	0.0
4.2600E 6	0.8533	1.43100	0.0	1.45121	0.64600	0.0	0.0	0.0	0.0
4.3000E 6	0.8440	1.42500	0.0	1.44561	0.65100	0.0	0.0	0.0	0.0
4.3400E 6	0.8347	1.43800	0.0	1.45911	0.65500	0.0	0.0	0.0	0.0
4.3800E 6	0.8255	1.45100	0.0	1.47260	0.65900	0.0	0.0	0.0	0.0
4.4200E 6	0.8164	1.46600	0.0	1.48810	0.66300	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 54

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.4700E 6	0.8052	3.57000	2.07531	2.18369	0.00059	0.0	0.02190	0.00020	0.02269
4.5100E 6	0.7963	3.44000	1.95002	2.13154	0.00058	0.0	0.02220	0.00020	0.02298
4.5500E 6	0.7875	3.44000	2.07573	2.03888	0.00057	0.0	0.02250	0.00020	0.02327
4.6000E 6	0.7765	3.78000	2.42433	2.13388	0.00057	0.0	0.02290	0.00020	0.02367
4.6500E 6	0.7657	3.55000	2.20804	2.03970	0.00056	0.0	0.02320	0.00020	0.02396
4.6900E 6	0.7572	3.60000	2.26274	2.04323	0.00056	0.0	0.02350	0.00020	0.02426
4.7400E 6	0.7465	3.62000	2.29234	2.03141	0.00056	0.0	0.02390	0.00020	0.02466
4.7900E 6	0.7361	3.46000	2.14305	1.96629	0.00055	0.0	0.02420	0.00020	0.02495
4.8300E 6	0.7277	3.56000	2.24975	1.98518	0.00055	0.0	0.02450	0.00020	0.02525
4.9500E 6	0.7032	3.62000	2.32986	1.96580	0.00054	0.0	0.02530	0.00030	0.02614
4.9900E 6	0.6951	3.57000	2.28757	1.93896	0.00053	0.0	0.02560	0.00030	0.02643
5.0400E 6	0.6852	3.72000	2.38517	2.00983	0.00053	0.0	0.02600	0.00030	0.02683
5.0900E 6	0.6753	3.54000	2.20368	1.95115	0.00052	0.0	0.02650	0.00030	0.02732
5.1400E 6	0.6655	3.64000	2.30208	1.97099	0.00052	0.0	0.02700	0.00040	0.02792
5.2000E 6	0.6539	3.59000	2.24929	1.94802	0.00051	0.0	0.02770	0.00050	0.02871
5.2600E 6	0.6425	3.73000	2.38739	1.97766	0.00051	0.0	0.02850	0.00060	0.02961
5.3200E 6	0.6311	3.74000	2.39550	1.96973	0.00050	0.0	0.02930	0.00070	0.03050
5.3700E 6	0.6218	3.54000	2.19371	1.91227	0.00049	0.0	0.03000	0.00080	0.03129
5.4300E 6	0.6106	3.50000	2.15171	1.89267	0.00049	0.0	0.03090	0.00090	0.03229
5.5500E 6	0.5888	3.76000	2.40773	1.93976	0.00047	0.0	0.03280	0.00100	0.03427

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.4700E 6	0.8052	1.47200	0.0	1.49469	0.66800	0.0	0.0	0.0	0.0
4.5100E 6	0.7963	1.46700	0.0	1.48998	0.67100	0.0	0.0	0.0	0.0
4.5500E 6	0.7875	1.34100	0.0	1.36427	0.67500	0.0	0.0	0.0	0.0
4.6000E 6	0.7765	1.33200	0.0	1.35567	0.67900	0.0	0.0	0.0	0.0
4.6500E 6	0.7657	1.31800	0.0	1.34196	0.68400	0.0	0.0	0.0	0.0
4.6900E 6	0.7572	1.31300	0.0	1.33726	0.68800	0.0	0.0	0.0	0.0
4.7400E 6	0.7465	1.30300	0.0	1.32766	0.69300	0.0	0.0	0.0	0.0
4.7900E 6	0.7361	1.29200	0.0	1.31695	0.69700	0.0	0.0	0.0	0.0
4.8300E 6	0.7277	1.28500	0.0	1.31025	0.70000	0.0	0.0	0.0	0.0
4.9500E 6	0.7032	1.26400	0.0	1.29014	0.71000	0.0	0.0	0.0	0.0
4.9900E 6	0.6951	1.25600	0.0	1.28243	0.71300	0.0	0.0	0.0	0.0
5.0400E 6	0.6852	1.30800	0.0	1.33483	0.71700	0.0	0.0	0.0	0.0
5.0900E 6	0.6753	1.30900	0.0	1.33632	0.72100	0.0	0.0	0.0	0.0
5.1400E 6	0.6655	1.31000	0.0	1.33792	0.72500	0.0	0.0	0.0	0.0
5.2000E 6	0.6539	1.31200	0.0	1.34071	0.73000	0.0	0.0	0.0	0.0
5.2600E 6	0.6425	1.31300	0.0	1.34261	0.73400	0.0	0.0	0.0	0.0
5.3200E 6	0.6311	1.31400	0.0	1.34450	0.73900	0.0	0.0	0.0	0.0
5.3700E 6	0.6218	1.31500	0.0	1.34629	0.74200	0.0	0.0	0.0	0.0
5.4300E 6	0.6106	1.31600	0.0	1.34829	0.74700	0.0	0.0	0.0	0.0
5.5500E 6	0.5888	1.31800	0.0	1.35227	0.75600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.6000E 6	0.5798	3.72000	2.36673	1.92129	0.00047	0.0	0.03370	0.00110	0.03527
5.6700E 6	0.5674	3.88000	2.52534	1.94811	0.00046	0.0	0.03500	0.00120	0.03666
5.7300E 6	0.5569	3.46000	2.10404	1.84620	0.00046	0.0	0.03620	0.00130	0.03796
5.8000E 6	0.5447	3.62000	2.26265	1.87097	0.00045	0.0	0.03750	0.00140	0.03935
5.8600E 6	0.5344	3.59000	2.23235	1.85770	0.00045	0.0	0.03870	0.00150	0.04065
5.9200E 6	0.5242	3.62000	2.26106	1.85863	0.00044	0.0	0.03990	0.00160	0.04194
6.0000E 6	0.5108	3.74000	2.37936	1.87934	0.00044	0.0	0.04150	0.00170	0.04364
6.0700E 6	0.4992	3.64000	2.27767	1.85431	0.00043	0.0	0.04310	0.00180	0.04533
6.1200E 6	0.4910	3.49000	2.12657	1.81852	0.00043	0.0	0.04410	0.00190	0.04643
6.2000E 6	0.4780	3.77000	2.40558	1.87200	0.00042	0.0	0.04600	0.00200	0.04842
6.3400E 6	0.4557	3.36000	1.99209	1.77828	0.00041	0.0	0.04920	0.00230	0.05191
6.4100E 6	0.4447	3.72000	2.35029	1.84917	0.00041	0.0	0.05080	0.00250	0.05371
6.4900E 6	0.4323	3.62000	2.24849	1.82571	0.00041	0.0	0.05240	0.00270	0.05551
6.5400E 6	0.4246	3.43000	2.05830	1.78542	0.00040	0.0	0.05340	0.00290	0.05670
6.6400E 6	0.4095	3.63000	2.25650	1.82029	0.00040	0.0	0.05500	0.00310	0.05850
6.7400E 6	0.3945	3.61000	2.23471	1.81329	0.00039	0.0	0.05650	0.00340	0.06029
6.8400E 6	0.3798	3.59000	2.21291	1.80418	0.00039	0.0	0.05800	0.00370	0.06209
6.9400E 6	0.3653	3.57000	2.19202	1.79666	0.00038	0.0	0.05960	0.00400	0.06398
7.0400E 6	0.3510	3.55000	2.17032	1.78987	0.00038	0.0	0.06100	0.00430	0.06568
7.1300E 6	0.3383	3.44000	2.05973	1.76544	0.00037	0.0	0.06230	0.00460	0.06727

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.6000E 6	0.5798	1.31800	0.0	1.35327	0.76000	0.0	0.0	0.0	0.0
5.6700E 6	0.5674	1.31800	0.0	1.35466	0.76500	0.0	0.0	0.0	0.0
5.7300E 6	0.5569	1.31800	0.0	1.35596	0.76700	0.0	0.0	0.0	0.0
5.8000E 6	0.5447	1.31800	0.0	1.35735	0.77300	0.0	0.0	0.0	0.0
5.8600E 6	0.5344	1.31700	0.0	1.35765	0.77600	0.0	0.0	0.0	0.0
5.9200E 6	0.5242	1.31700	0.0	1.35894	0.77900	0.0	0.0	0.0	0.0
6.0000E 6	0.5108	1.31700	0.0	1.36064	0.78200	0.0	0.0	0.0	0.0
6.0700E 6	0.4992	1.31700	0.0	1.36233	0.78400	0.0	0.0	0.0	0.0
6.1200E 6	0.4910	1.31700	0.0	1.36343	0.78600	0.0	0.0	0.0	0.0
6.2000E 6	0.4780	1.31600	0.0	1.36442	0.78900	0.0	0.0	0.0	0.0
6.3400E 6	0.4557	1.31600	0.0	1.36791	0.79400	0.0	0.0	0.0	0.0
6.4100E 6	0.4447	1.31600	0.0	1.36971	0.79600	0.0	0.0	0.0	0.0
6.4900E 6	0.4323	1.31600	0.0	1.37151	0.79800	0.0	0.0	0.0	0.0
6.5400E 6	0.4246	1.31500	0.0	1.37170	0.79900	0.0	0.0	0.0	0.0
6.6400E 6	0.4095	1.31500	0.0	1.37350	0.80200	0.0	0.0	0.0	0.0
6.7400E 6	0.3945	1.31500	0.0	1.37529	0.80400	0.0	0.0	0.0	0.0
6.8400E 6	0.3798	1.31500	0.0	1.37709	0.80700	0.0	0.0	0.0	0.0
6.9400E 6	0.3653	1.31400	0.0	1.37798	0.80900	0.0	0.0	0.0	0.0
7.0400E 6	0.3510	1.31400	0.0	1.37968	0.81100	0.0	0.0	0.0	0.0
7.1300E 6	0.3383	1.31300	0.0	1.38027	0.81300	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 56

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.2100E 6	0.3271	3.61000	2.22923	1.79318	0.00037	0.0	0.06340	0.00500	0.06877
7.2800E 6	0.3175	3.36000	1.97893	1.74519	0.00037	0.0	0.06440	0.00530	0.07007
7.3900E 6	0.3025	3.44000	2.05804	1.75652	0.00036	0.0	0.06580	0.00580	0.07196
7.4800E 6	0.2904	3.30000	1.91844	1.72688	0.00036	0.0	0.06700	0.00620	0.07356
7.5800E 6	0.2771	3.36000	1.97845	1.73371	0.00035	0.0	0.06850	0.00670	0.07555
7.7000E 6	0.2614	3.30000	1.91795	1.71961	0.00035	0.0	0.07040	0.00730	0.07805
7.7700E 6	0.2523	3.36000	1.97856	1.72769	0.00034	0.0	0.07140	0.00770	0.07944
7.8700E 6	0.2395	3.55000	2.16836	1.75677	0.00034	0.0	0.07300	0.00830	0.08164
7.9600E 6	0.2282	3.36000	1.97947	1.72100	0.00033	0.0	0.07430	0.00890	0.08353
8.0500E 6	0.2169	3.39000	2.01027	1.72148	0.00033	0.0	0.07580	0.00960	0.08573
8.1600E 6	0.2033	3.39000	2.01058	1.71720	0.00032	0.0	0.07750	0.01060	0.08842
8.2700E 6	0.1900	3.34000	1.96168	1.70592	0.00032	0.0	0.07930	0.01170	0.09132
8.3200E 6	0.1839	3.41000	2.03139	1.71582	0.00031	0.0	0.08020	0.01210	0.09261
8.4200E 6	0.1720	3.40000	2.02179	1.71181	0.00031	0.0	0.08180	0.01310	0.09521
8.5200E 6	0.1602	3.36000	1.98199	1.70306	0.00031	0.0	0.08350	0.01420	0.09801
8.6200E 6	0.1485	3.35000	1.97219	1.69730	0.00031	0.0	0.08530	0.01520	0.10081
8.7200E 6	0.1370	3.25000	1.87120	1.68006	0.00030	0.0	0.08720	0.01630	0.10380
8.8200E 6	0.1256	3.28000	1.90100	1.68126	0.00030	0.0	0.08920	0.01750	0.10700
8.9200E 6	0.1143	3.27000	1.88961	1.67895	0.00029	0.0	0.09130	0.01880	0.11039
9.0200E 6	0.1031	3.29000	1.90951	1.68028	0.00029	0.0	0.09310	0.02010	0.11349

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.2100E 6	0.3271	1.31200	0.0	1.38077	0.81500	0.0	0.0	0.0	0.0
7.2800E 6	0.3175	1.31100	0.0	1.38107	0.81600	0.0	0.0	0.0	0.0
7.3900E 6	0.3025	1.31000	0.0	1.38196	0.81800	0.0	0.0	0.0	0.0
7.4800E 6	0.2904	1.30800	0.0	1.38156	0.82000	0.0	0.0	0.0	0.0
7.5800E 6	0.2771	1.30600	0.0	1.38155	0.82200	0.0	0.0	0.0	0.0
7.7000E 6	0.2614	1.30400	0.0	1.38205	0.82400	0.0	0.0	0.0	0.0
7.7700E 6	0.2523	1.30200	0.0	1.38144	0.82500	0.0	0.0	0.0	0.0
7.8700E 6	0.2395	1.30000	0.0	1.38164	0.82700	0.0	0.0	0.0	0.0
7.9600E 6	0.2282	1.29700	0.0	1.38053	0.82800	0.0	0.0	0.0	0.0
8.0500E 6	0.2169	1.29400	0.0	1.37973	0.83000	0.0	0.0	0.0	0.0
8.1600E 6	0.2033	1.29100	0.0	1.37942	0.83200	0.0	0.0	0.0	0.0
8.2700E 6	0.1900	1.28700	0.0	1.37832	0.83300	0.0	0.0	0.0	0.0
8.3200E 6	0.1839	1.28600	0.0	1.37861	0.83400	0.0	0.0	0.0	0.0
8.4200E 6	0.1720	1.28300	0.0	1.37821	0.83500	0.0	0.0	0.0	0.0
8.5200E 6	0.1602	1.28000	0.0	1.37801	0.83600	0.0	0.0	0.0	0.0
8.6200E 6	0.1485	1.27700	0.0	1.37781	0.83800	0.0	0.0	0.0	0.0
8.7200E 6	0.1370	1.27500	0.0	1.37880	0.83900	0.0	0.0	0.0	0.0
8.8200E 6	0.1256	1.27200	0.0	1.37900	0.84100	0.0	0.0	0.0	0.0
8.9200E 6	0.1143	1.27000	0.0	1.38039	0.84200	0.0	0.0	0.0	0.0
9.0200E 6	0.1031	1.26700	0.0	1.38049	0.84300	0.0	0.0	0.0	0.0

MATERIAL FE

FE -CS- 57

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.1200E 6	0.0921	3.24000	1.85981	1.67032	0.00029	0.0	0.09360	0.02130	0.11519
9.2200E 6	0.0812	3.18000	1.80011	1.65891	0.00029	0.0	0.09410	0.02250	0.11689
9.3100E 6	0.0715	3.23000	1.84942	1.66539	0.00028	0.0	0.09450	0.02380	0.11858
9.4100E 6	0.0608	3.19000	1.80972	1.65898	0.00028	0.0	0.09500	0.02500	0.12028
9.5100E 6	0.0502	3.25000	1.86902	1.66694	0.00028	0.0	0.09540	0.02630	0.12198
9.6000E 6	0.0408	3.17000	1.78842	1.65342	0.00028	0.0	0.09580	0.02750	0.12358
9.7000E 6	0.0305	3.13000	1.74633	1.64911	0.00027	0.0	0.09750	0.02890	0.12667
9.8000E 6	0.0202	3.13000	1.74423	1.65089	0.00027	0.0	0.09930	0.03020	0.12977
9.9000E 6	0.0101	3.11000	1.72213	1.64963	0.00027	0.0	0.10110	0.03150	0.13287
10.0000E 6	0.0000	3.10000	1.71003	1.64818	0.00027	0.0	0.10290	0.03280	0.13597

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.1200E 6	0.0921	1.26500	0.0	1.38019	0.84400	0.0	0.0	0.0	0.0
9.2200E 6	0.0812	1.26300	0.0	1.37989	0.84500	0.0	0.0	0.0	0.0
9.3100E 6	0.0715	1.26200	0.0	1.38058	0.84600	0.0	0.0	0.0	0.0
9.4100E 6	0.0608	1.26000	0.0	1.38028	0.84600	0.0	0.0	0.0	0.0
9.5100E 6	0.0502	1.25900	0.0	1.38098	0.84700	0.0	0.0	0.0	0.0
9.6000E 6	0.0408	1.25800	0.0	1.38158	0.84800	0.0	0.0	0.0	0.0
9.7000E 6	0.0305	1.25700	0.0	1.38367	0.84800	0.0	0.0	0.0	0.0
9.8000E 6	0.0202	1.25600	0.0	1.38577	0.84800	0.0	0.0	0.0	0.0
9.9000E 6	0.0101	1.25500	0.0	1.38787	0.84800	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	1.25400	0.0	1.38997	0.84900	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	40.37280	17.23480	40.17632	23.13800	0.0	0.0	0.0	23.13800
1.5000E-3	22.6204	36.12680	17.23480	35.93032	18.89200	0.0	0.0	0.0	18.89200
2.0000E-3	22.3327	33.59580	17.23480	33.39932	16.36100	0.0	0.0	0.0	16.36100
2.5000E-3	22.1096	31.86880	17.23480	31.67232	14.63400	0.0	0.0	0.0	14.63400
3.0000E-3	21.9272	30.59380	17.23480	30.39732	13.35900	0.0	0.0	0.0	13.35900
4.0000E-3	21.6396	28.80380	17.23480	28.60732	11.56900	0.0	0.0	0.0	11.56900
5.0000E-3	21.4164	27.58180	17.23480	27.38532	10.34700	0.0	0.0	0.0	10.34700
6.0000E-3	21.2341	26.68080	17.23480	26.48432	9.44600	0.0	0.0	0.0	9.44600
7.0000E-3	21.0799	25.97980	17.23480	25.78332	8.74500	0.0	0.0	0.0	8.74500
8.0000E-3	20.9464	25.41480	17.23480	25.21832	8.18000	0.0	0.0	0.0	8.18000
9.0000E-3	20.8286	24.94780	17.23480	24.75132	7.71300	0.0	0.0	0.0	7.71300
10.0000E-3	20.7233	24.55160	17.23480	24.35512	7.31680	0.0	0.0	0.0	7.31680
15.0000E-3	20.3178	23.20890	17.23480	23.01242	5.97410	0.0	0.0	0.0	5.97410
20.0000E-3	20.0301	22.01860	16.84490	21.82657	5.17370	0.0	0.0	0.0	5.17370
25.3000E-3	19.7950	21.48790	16.88790	21.29538	4.60000	0.0	0.0	0.0	4.60000
30.0000E-3	19.6247	21.14050	16.91620	20.94766	4.22430	0.0	0.0	0.0	4.22430
40.0000E-3	19.3370	20.61730	16.95890	20.42397	3.65840	0.0	0.0	0.0	3.65840
50.0000E-3	19.1138	20.26010	16.98790	20.06644	3.27220	0.0	0.0	0.0	3.27220
60.0000E-3	18.9315	19.99660	17.00950	19.80269	2.98710	0.0	0.0	0.0	2.98710
70.0000E-3	18.7774	19.79170	17.02620	19.59760	2.76550	0.0	0.0	0.0	2.76550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	23.13800	0.01140	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	18.89200	0.01140	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	16.36100	0.01140	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	14.63400	0.01140	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	13.35900	0.01140	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	11.56900	0.01140	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	10.34700	0.01140	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	9.44600	0.01140	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	8.74500	0.01140	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	8.18000	0.01140	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	7.71300	0.01140	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	7.31680	0.01140	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	5.97410	0.01140	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	5.17370	0.01140	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	4.60000	0.01140	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	4.22430	0.01140	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	3.65840	0.01140	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	3.27220	0.01140	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	2.98710	0.01140	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	2.76550	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 2

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	19.62660	17.03970	19.43235	2.58690	0.0	0.0	0.0	2.58690
90.0000E-3	18.5260	19.48980	17.05090	19.29542	2.43890	0.0	0.0	0.0	2.43890
100.0000E-3	18.4207	19.37390	17.06010	19.17941	2.31380	0.0	0.0	0.0	2.31380
150.0000E-3	18.0152	18.98140	17.09220	18.78655	1.88920	0.0	0.0	0.0	1.88920
200.0000E-3	17.7275	18.74730	17.11120	18.55223	1.63610	0.0	0.0	0.0	1.63610
250.0000E-3	17.5044	18.58740	17.12400	18.39219	1.46340	0.0	0.0	0.0	1.46340
300.0000E-3	17.3221	18.46960	17.13370	18.27428	1.33590	0.0	0.0	0.0	1.33590
400.0000E-3	17.0344	18.30390	17.14700	18.10842	1.15690	0.0	0.0	0.0	1.15690
500.0000E-3	16.8112	18.19020	17.15550	17.99463	1.03470	0.0	0.0	0.0	1.03470
600.0000E-3	16.6289	18.10730	17.16270	17.91165	0.94460	0.0	0.0	0.0	0.94460
700.0000E-3	16.4748	18.04240	17.16790	17.84669	0.87450	0.0	0.0	0.0	0.87450
800.0000E-3	16.3412	17.99010	17.17210	17.79434	0.81800	0.0	0.0	0.0	0.81800
900.0000E-3	16.2235	17.94660	17.17530	17.75080	0.77130	0.0	0.0	0.0	0.77130
1.0000E00	16.1181	17.90990	17.17820	17.71407	0.73170	0.0	0.0	0.0	0.73170
1.5000E00	15.7126	17.78510	17.18770	17.58916	0.59740	0.0	0.0	0.0	0.59740
2.0000E00	15.4249	17.71040	17.19300	17.51440	0.51740	0.0	0.0	0.0	0.51740
2.5000E00	15.2018	17.65920	17.19640	17.46316	0.46280	0.0	0.0	0.0	0.46280
3.0000E00	15.0195	17.62120	17.19880	17.42513	0.42240	0.0	0.0	0.0	0.42240
4.0000E00	14.7318	17.56750	17.20170	17.37140	0.36580	0.0	0.0	0.0	0.36580
5.0000E00	14.5087	17.53040	17.20320	17.33428	0.32720	0.0	0.0	0.0	0.32720

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	2.58690	0.01140	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	2.43890	0.01140	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	2.31380	0.01140	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	1.88920	0.01140	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	1.63610	0.01140	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	1.46340	0.01140	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	1.33590	0.01140	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	1.15690	0.01140	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	1.03470	0.01140	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.94460	0.01140	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.87450	0.01140	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.81800	0.01140	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.77130	0.01140	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.73170	0.01140	0.0	0.0	0.0	0.0
1.5000E00	15.7126	0.0	0.0	0.59740	0.01140	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.51740	0.01140	0.0	0.0	0.0	0.0
2.5000E00	15.2018	0.0	0.0	0.46280	0.01140	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.42240	0.01140	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.36580	0.01140	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.32720	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 3

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.0000E00	14.3263	17.50260	17.20390	17.30648	0.29870	0.0	0.0	0.0	0.29870
7.0000E00	14.1722	17.48070	17.20420	17.28457	0.27650	0.0	0.0	0.0	0.27650
8.0000E00	14.0387	17.46280	17.20410	17.26667	0.25870	0.0	0.0	0.0	0.25870
9.0000E00	13.9209	17.44780	17.20390	17.25168	0.24390	0.0	0.0	0.0	0.24390
10.0000E00	13.8155	17.43480	17.20340	17.23868	0.23140	0.0	0.0	0.0	0.23140
15.0000E00	13.4100	17.38860	17.19970	17.19252	0.18890	0.0	0.0	0.0	0.18890
20.0000E00	13.1224	17.35900	17.19540	17.16297	0.16360	0.0	0.0	0.0	0.16360
25.0000E00	12.8992	17.33650	17.19020	17.14053	0.14630	0.0	0.0	0.0	0.14630
30.0000E00	12.7169	17.31930	17.18570	17.12338	0.13360	0.0	0.0	0.0	0.13360
40.0000E00	12.4292	17.28970	17.17400	17.09392	0.11570	0.0	0.0	0.0	0.11570
50.0000E00	12.2061	17.26520	17.16170	17.06956	0.10350	0.0	0.0	0.0	0.10350
60.0000E00	12.0238	17.24500	17.15050	17.04948	0.09450	0.0	0.0	0.0	0.09450
70.0000E00	11.8696	17.22630	17.13880	17.03092	0.08750	0.0	0.0	0.0	0.08750
80.0000E00	11.7361	17.20860	17.12680	17.01335	0.08180	0.0	0.0	0.0	0.08180
90.0000E00	11.6183	17.19160	17.11450	16.99649	0.07710	0.0	0.0	0.0	0.07710
100.0000E00	11.5129	17.17530	17.10210	16.98034	0.07320	0.0	0.0	0.0	0.07320
150.0000E00	11.1075	17.09740	17.03770	16.90317	0.05970	0.0	0.0	0.0	0.05970
200.0000E00	10.8198	17.02280	16.97110	16.82933	0.05170	0.0	0.0	0.0	0.05170
250.0000E00	10.5966	16.94980	16.90350	16.75710	0.04630	0.0	0.0	0.0	0.04630
300.0000E00	10.4143	16.87780	16.83560	16.68587	0.04220	0.0	0.0	0.0	0.04220

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.0000E00	14.3263	0.0	0.0	0.29870	0.01140	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.27650	0.01140	0.0	0.0	0.0	0.0
8.0000E00	14.0387	0.0	0.0	0.25870	0.01140	0.0	0.0	0.0	0.0
9.0000E00	13.9209	0.0	0.0	0.24390	0.01140	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.23140	0.01140	0.0	0.0	0.0	0.0
15.0000E00	13.4100	0.0	0.0	0.18890	0.01140	0.0	0.0	0.0	0.0
20.0000E00	13.1224	0.0	0.0	0.16360	0.01140	0.0	0.0	0.0	0.0
25.0000E00	12.8992	0.0	0.0	0.14630	0.01140	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.13360	0.01140	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	0.11570	0.01140	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	0.10350	0.01140	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.09450	0.01140	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	0.08750	0.01140	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.08180	0.01140	0.0	0.0	0.0	0.0
90.0000E00	11.6183	0.0	0.0	0.07710	0.01140	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.07320	0.01140	0.0	0.0	0.0	0.0
150.0000E00	11.1075	0.0	0.0	0.05970	0.01140	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.05170	0.01140	0.0	0.0	0.0	0.0
250.0000E00	10.5966	0.0	0.0	0.04630	0.01140	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.04220	0.01140	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
350.0000E00	10.2602	16.80650	16.76740	16.61535	0.03910	0.0	0.0	0.0	0.03910
400.0000E00	10.1266	16.69860	16.66200	16.50865	0.03660	0.0	0.0	0.0	0.03660
450.0000E00	10.0088	16.54250	16.50800	16.35431	0.03450	0.0	0.0	0.0	0.03450
500.0000E00	9.9035	16.33870	16.30600	16.15281	0.03270	0.0	0.0	0.0	0.03270
550.0000E00	9.8082	16.11680	16.08540	15.93343	0.03140	0.0	0.0	0.0	0.03140
600.0000E00	9.7212	15.89400	15.86360	15.71315	0.03040	0.0	0.0	0.0	0.03040
700.0000E00	9.5670	15.45740	15.42980	15.28150	0.02760	0.0	0.0	0.0	0.02760
800.0000E00	9.4335	15.11770	15.09180	14.94565	0.02590	0.0	0.0	0.0	0.02590
900.0000E00	9.3157	14.91800	14.89340	14.74822	0.02460	0.0	0.0	0.0	0.02460
1.0000E 3	9.2103	14.80000	14.77600	14.63155	0.02400	0.0	0.0	0.0	0.02400
1.2500E 3	8.9872	14.70000	14.67730	14.53268	0.02270	0.0	0.0	0.0	0.02270
1.5000E 3	8.8049	14.80000	14.77740	14.63154	0.02260	0.0	0.0	0.0	0.02260
1.7500E 3	8.6507	15.00000	14.97790	14.82925	0.02210	0.0	0.0	0.0	0.02210
2.0000E 3	8.5172	15.20000	15.17800	15.02697	0.02200	0.0	0.0	0.0	0.02200
2.2500E 3	8.3994	15.55000	15.52750	15.37299	0.02250	0.0	0.0	0.0	0.02250
2.5000E 3	8.2940	16.00000	15.97640	15.81787	0.02360	0.0	0.0	0.0	0.02360
2.7500E 3	8.1987	16.45000	16.42440	16.26276	0.02560	0.0	0.0	0.0	0.02560
3.0000E 3	8.1117	17.28000	17.25100	17.08334	0.02900	0.0	0.0	0.0	0.02900
3.2000E 3	8.0472	18.14000	18.10690	17.93358	0.03310	0.0	0.0	0.0	0.03310
3.4000E 3	7.9866	19.18000	19.14090	18.96179	0.03910	0.0	0.0	0.0	0.03910

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
350.0000E00	10.2602	0.0	0.0	0.03910	0.01140	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.03660	0.01140	0.0	0.0	0.0	0.0
450.0000E00	10.0088	0.0	0.0	0.03450	0.01140	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.03270	0.01140	0.0	0.0	0.0	0.0
550.0000E00	9.8082	0.0	0.0	0.03140	0.01140	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.03040	0.01140	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.02760	0.01140	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.02590	0.01140	0.0	0.0	0.0	0.0
900.0000E00	9.3157	0.0	0.0	0.02460	0.01140	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.02400	0.01140	0.0	0.0	0.0	0.0
1.2500E 3	8.9872	0.0	0.0	0.02270	0.01140	0.0	0.0	0.0	0.0
1.5000E 3	8.8049	0.0	0.0	0.02260	0.01140	0.0	0.0	0.0	0.0
1.7500E 3	8.6507	0.0	0.0	0.02210	0.01140	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.02200	0.01140	0.0	0.0	0.0	0.0
2.2500E 3	8.3994	0.0	0.0	0.02250	0.01140	0.0	0.0	0.0	0.0
2.5000E 3	8.2940	0.0	0.0	0.02360	0.01140	0.0	0.0	0.0	0.0
2.7500E 3	8.1987	0.0	0.0	0.02560	0.01140	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.02900	0.01140	0.0	0.0	0.0	0.0
3.2000E 3	8.0472	0.0	0.0	0.03310	0.01140	0.0	0.0	0.0	0.0
3.4000E 3	7.9866	0.0	0.0	0.03910	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 5

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.6000E 3	7.9294	20.96000	20.91250	20.72160	0.04750	0.0	0.0	0.0	0.04750
3.8000E 3	7.8753	23.02000	22.96230	22.75823	0.05770	0.0	0.0	0.0	0.05770
4.0000E 3	7.8240	25.10000	25.03350	24.81462	0.06650	0.0	0.0	0.0	0.06650
4.1000E 3	7.7994	26.20000	26.13170	25.90210	0.06830	0.0	0.0	0.0	0.06830
4.2000E 3	7.7753	27.20000	27.13250	26.89069	0.06750	0.0	0.0	0.0	0.06750
4.3000E 3	7.7517	28.20000	28.13570	27.87925	0.06430	0.0	0.0	0.0	0.06430
4.4000E 3	7.7287	29.20000	29.14070	28.86780	0.05930	0.0	0.0	0.0	0.05930
4.5000E 3	7.7063	30.15000	30.09660	29.80690	0.05340	0.0	0.0	0.0	0.05340
4.6000E 3	7.6843	31.00000	30.95250	30.64714	0.04750	0.0	0.0	0.0	0.04750
4.7000E 3	7.6628	30.30000	30.25790	29.95506	0.04210	0.0	0.0	0.0	0.04210
4.8000E 3	7.6417	29.20000	29.16260	28.86755	0.03740	0.0	0.0	0.0	0.03740
4.9000E 3	7.6211	27.93000	27.89670	27.61198	0.03330	0.0	0.0	0.0	0.03330
5.0000E 3	7.6009	26.70000	26.67000	26.39596	0.03000	0.0	0.0	0.0	0.03000
5.1000E 3	7.5811	25.45000	25.42280	25.16018	0.02720	0.0	0.0	0.0	0.02720
5.2000E 3	7.5617	24.17000	24.14510	23.89475	0.02490	0.0	0.0	0.0	0.02490
5.3000E 3	7.5426	22.94000	22.91700	22.67875	0.02300	0.0	0.0	0.0	0.02300
5.4000E 3	7.5239	21.72000	21.69860	21.47264	0.02140	0.0	0.0	0.0	0.02140
5.5000E 3	7.5056	20.50000	20.48000	20.26653	0.02000	0.0	0.0	0.0	0.02000
5.6000E 3	7.4876	19.38000	19.36110	19.15928	0.01890	0.0	0.0	0.0	0.01890
5.7000E 3	7.4699	18.18000	18.16200	17.97295	0.01800	0.0	0.0	0.0	0.01800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.6000E 3	7.9294	0.0	0.0	0.04750	0.01140	0.0	0.0	0.0	0.0
3.8000E 3	7.8753	0.0	0.0	0.05770	0.01140	0.0	0.0	0.0	0.0
4.0000E 3	7.8240	0.0	0.0	0.06650	0.01140	0.0	0.0	0.0	0.0
4.1000E 3	7.7994	0.0	0.0	0.06830	0.01140	0.0	0.0	0.0	0.0
4.2000E 3	7.7753	0.0	0.0	0.06750	0.01140	0.0	0.0	0.0	0.0
4.3000E 3	7.7517	0.0	0.0	0.06430	0.01140	0.0	0.0	0.0	0.0
4.4000E 3	7.7287	0.0	0.0	0.05930	0.01140	0.0	0.0	0.0	0.0
4.5000E 3	7.7063	0.0	0.0	0.05340	0.01140	0.0	0.0	0.0	0.0
4.6000E 3	7.6843	0.0	0.0	0.04750	0.01140	0.0	0.0	0.0	0.0
4.7000E 3	7.6628	0.0	0.0	0.04210	0.01140	0.0	0.0	0.0	0.0
4.8000E 3	7.6417	0.0	0.0	0.03740	0.01140	0.0	0.0	0.0	0.0
4.9000E 3	7.6211	0.0	0.0	0.03330	0.01140	0.0	0.0	0.0	0.0
5.0000E 3	7.6009	0.0	0.0	0.03000	0.01140	0.0	0.0	0.0	0.0
5.1000E 3	7.5811	0.0	0.0	0.02720	0.01140	0.0	0.0	0.0	0.0
5.2000E 3	7.5617	0.0	0.0	0.02490	0.01140	0.0	0.0	0.0	0.0
5.3000E 3	7.5426	0.0	0.0	0.02300	0.01140	0.0	0.0	0.0	0.0
5.4000E 3	7.5239	0.0	0.0	0.02140	0.01140	0.0	0.0	0.0	0.0
5.5000E 3	7.5056	0.0	0.0	0.02000	0.01140	0.0	0.0	0.0	0.0
5.6000E 3	7.4876	0.0	0.0	0.01890	0.01140	0.0	0.0	0.0	0.0
5.7000E 3	7.4699	0.0	0.0	0.01800	0.01140	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.8000E 3	7.4525	17.12000	17.10280	16.92503	0.01720	0.0	0.0	0.0	0.01720
5.9000E 3	7.4354	16.13000	16.11350	15.94631	0.01650	0.0	0.0	0.0	0.01650
6.0000E 3	7.4186	15.20000	15.18410	15.02690	0.01590	0.0	0.0	0.0	0.01590
6.2000E 3	7.3858	14.02000	14.00500	13.86034	0.01500	0.0	0.0	0.0	0.01500
6.4000E 3	7.3540	13.02000	13.00570	12.87174	0.01430	0.0	0.0	0.0	0.01430
6.6000E 3	7.3233	12.25000	12.23630	12.11051	0.01370	0.0	0.0	0.0	0.01370
6.8000E 3	7.2934	11.62000	11.60670	11.48768	0.01330	0.0	0.0	0.0	0.01330
7.0000E 3	7.2644	11.12000	11.10700	10.99338	0.01300	0.0	0.0	0.0	0.01300
7.5000E 3	7.1954	10.15000	10.13740	10.03443	0.01260	0.0	0.0	0.0	0.01260
8.0000E 3	7.1309	9.33000	9.31750	9.22378	0.01250	0.0	0.0	0.0	0.01250
8.5000E 3	7.0703	8.90000	8.88680	8.79869	0.01320	0.0	0.0	0.0	0.01320
9.0000E 3	7.0131	9.10000	9.08540	8.99643	0.01460	0.0	0.0	0.0	0.01460
9.5000E 3	6.9590	9.60000	9.58330	9.49075	0.01670	0.0	0.0	0.0	0.01670
10.0000E 3	6.9078	10.15000	10.13070	10.03451	0.01930	0.0	0.0	0.0	0.01930
10.2000E 3	6.8880	10.72000	10.69950	10.59803	0.02050	0.0	0.0	0.0	0.02050
10.5000E 3	6.8590	12.25000	12.22740	12.11061	0.02260	0.0	0.0	0.0	0.02260
11.0000E 3	6.8124	18.67000	18.64290	18.45747	0.02710	0.0	0.0	0.0	0.02710
11.5000E 3	6.7680	25.83000	25.79660	25.53592	0.03340	0.0	0.0	0.0	0.03340
12.0000E 3	6.7254	43.53000	43.48770	43.03424	0.04230	0.0	0.0	0.0	0.04230
12.4000E 3	6.6926	53.70000	53.64760	53.08842	0.05240	0.0	0.0	0.0	0.05240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.8000E 3	7.4525	0.0	0.0	0.01720	0.01140	0.0	0.0	0.0	0.0
5.9000E 3	7.4354	0.0	0.0	0.01650	0.01140	0.0	0.0	0.0	0.0
6.0000E 3	7.4186	0.0	0.0	0.01590	0.01140	0.0	0.0	0.0	0.0
6.2000E 3	7.3858	0.0	0.0	0.01500	0.01140	0.0	0.0	0.0	0.0
6.4000E 3	7.3540	0.0	0.0	0.01430	0.01140	0.0	0.0	0.0	0.0
6.6000E 3	7.3233	0.0	0.0	0.01370	0.01140	0.0	0.0	0.0	0.0
6.8000E 3	7.2934	0.0	0.0	0.01330	0.01140	0.0	0.0	0.0	0.0
7.0000E 3	7.2644	0.0	0.0	0.01300	0.01140	0.0	0.0	0.0	0.0
7.5000E 3	7.1954	0.0	0.0	0.01260	0.01140	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.01250	0.01140	0.0	0.0	0.0	0.0
8.5000E 3	7.0703	0.0	0.0	0.01320	0.01140	0.0	0.0	0.0	0.0
9.0000E 3	7.0131	0.0	0.0	0.01460	0.01140	0.0	0.0	0.0	0.0
9.5000E 3	6.9590	0.0	0.0	0.01670	0.01140	0.0	0.0	0.0	0.0
10.0000E 3	6.9078	0.0	0.0	0.01930	0.01140	0.0	0.0	0.0	0.0
10.2000E 3	6.8880	0.0	0.0	0.02050	0.01140	0.0	0.0	0.0	0.0
10.5000E 3	6.8590	0.0	0.0	0.02260	0.01140	0.0	0.0	0.0	0.0
11.0000E 3	6.8124	0.0	0.0	0.02710	0.01140	0.0	0.0	0.0	0.0
11.5000E 3	6.7680	0.0	0.0	0.03340	0.01140	0.0	0.0	0.0	0.0
12.0000E 3	6.7254	0.0	0.0	0.04230	0.01140	0.0	0.0	0.0	0.0
12.4000E 3	6.6926	0.0	0.0	0.05240	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 7

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
12.5000E 3	6.6846	56.31000	56.25450	55.66870	0.05550	0.0	0.0	0.0	0.05550
12.6000E 3	6.6766	58.91000	58.85100	58.23910	0.05900	0.0	0.0	0.0	0.05900
12.7000E 3	6.6687	59.61000	59.54730	58.93116	0.06270	0.0	0.0	0.0	0.06270
12.8000E 3	6.6609	58.68000	58.61330	58.01181	0.06670	0.0	0.0	0.0	0.06670
13.0000E 3	6.6454	54.34000	54.26460	53.72138	0.07540	0.0	0.0	0.0	0.07540
13.5000E 3	6.6077	39.28000	39.17530	38.83340	0.10470	0.0	0.0	0.0	0.10470
14.0000E 3	6.5713	31.41000	31.26830	31.05354	0.14170	0.0	0.0	0.0	0.14170
14.2000E 3	6.5571	38.13000	37.97260	37.69711	0.15740	0.0	0.0	0.0	0.15740
14.4000E 3	6.5431	44.85000	44.68040	44.34064	0.16960	0.0	0.0	0.0	0.16960
14.6000E 3	6.5293	51.57000	51.39010	50.98415	0.17990	0.0	0.0	0.0	0.17990
14.8000E 3	6.5157	58.29000	58.10040	57.62766	0.18960	0.0	0.0	0.0	0.18960
15.0000E 3	6.5023	65.01000	64.80850	64.27118	0.20150	0.0	0.0	0.0	0.20150
15.2000E 3	6.4890	85.66000	85.44180	84.68596	0.21820	0.0	0.0	0.0	0.21820
15.4000E 3	6.4760	110.70000	110.45400	109.44100	0.24620	0.0	0.0	0.0	0.24620
15.5000E 3	6.4695	120.10000	119.83500	118.73400	0.26550	0.0	0.0	0.0	0.26550
15.6000E 3	6.4631	125.90000	125.61100	124.46800	0.28930	0.0	0.0	0.0	0.28930
15.8000E 3	6.4503	120.00000	119.65300	118.63600	0.34730	0.0	0.0	0.0	0.34730
16.0000E 3	6.4378	111.30000	110.87700	110.03600	0.42280	0.0	0.0	0.0	0.42280
16.2000E 3	6.4253	91.98000	91.47890	90.93714	0.50110	0.0	0.0	0.0	0.50110
16.5000E 3	6.4070	63.01000	62.45810	62.29798	0.55190	0.0	0.0	0.0	0.55190

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
12.5000E 3	6.6846	0.0	0.0	0.05550	0.01140	0.0	0.0	0.0	0.0
12.6000E 3	6.6766	0.0	0.0	0.05900	0.01140	0.0	0.0	0.0	0.0
12.7000E 3	6.6687	0.0	0.0	0.06270	0.01140	0.0	0.0	0.0	0.0
12.8000E 3	6.6609	0.0	0.0	0.06670	0.01140	0.0	0.0	0.0	0.0
13.0000E 3	6.6454	0.0	0.0	0.07540	0.01140	0.0	0.0	0.0	0.0
13.5000E 3	6.6077	0.0	0.0	0.10470	0.01140	0.0	0.0	0.0	0.0
14.0000E 3	6.5713	0.0	0.0	0.14170	0.01140	0.0	0.0	0.0	0.0
14.2000E 3	6.5571	0.0	0.0	0.15740	0.01140	0.0	0.0	0.0	0.0
14.4000E 3	6.5431	0.0	0.0	0.16960	0.01140	0.0	0.0	0.0	0.0
14.6000E 3	6.5293	0.0	0.0	0.17990	0.01140	0.0	0.0	0.0	0.0
14.8000E 3	6.5157	0.0	0.0	0.18960	0.01140	0.0	0.0	0.0	0.0
15.0000E 3	6.5023	0.0	0.0	0.20150	0.01140	0.0	0.0	0.0	0.0
15.2000E 3	6.4890	0.0	0.0	0.21820	0.01140	0.0	0.0	0.0	0.0
15.4000E 3	6.4760	0.0	0.0	0.24620	0.01140	0.0	0.0	0.0	0.0
15.5000E 3	6.4695	0.0	0.0	0.26550	0.01140	0.0	0.0	0.0	0.0
15.6000E 3	6.4631	0.0	0.0	0.28930	0.01140	0.0	0.0	0.0	0.0
15.8000E 3	6.4503	0.0	0.0	0.34730	0.01140	0.0	0.0	0.0	0.0
16.0000E 3	6.4378	0.0	0.0	0.42280	0.01140	0.0	0.0	0.0	0.0
16.2000E 3	6.4253	0.0	0.0	0.50110	0.01140	0.0	0.0	0.0	0.0
16.5000E 3	6.4070	0.0	0.0	0.55190	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 8

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
16.8000E 3	6.3890	57.39000	56.92340	56.74107	0.46660	0.0	0.0	0.0	0.46660
17.0000E 3	6.3771	53.65000	53.27440	53.04267	0.37560	0.0	0.0	0.0	0.37560
17.2000E 3	6.3654	48.69000	48.39750	48.13827	0.29250	0.0	0.0	0.0	0.29250
17.5000E 3	6.3481	41.50000	41.29970	41.02918	0.20030	0.0	0.0	0.0	0.20030
18.0000E 3	6.3200	34.50000	34.38560	34.10800	0.11440	0.0	0.0	0.0	0.11440
18.5000E 3	6.2926	30.47000	30.39770	30.12347	0.07230	0.0	0.0	0.0	0.07230
19.0000E 3	6.2659	26.44000	26.39050	26.13915	0.04950	0.0	0.0	0.0	0.04950
19.5000E 3	6.2399	24.25000	24.21410	23.97396	0.03590	0.0	0.0	0.0	0.03590
20.0000E 3	6.2146	22.06000	22.03270	21.80883	0.02730	0.0	0.0	0.0	0.02730
20.5000E 3	6.1899	20.49000	20.46850	20.25666	0.02150	0.0	0.0	0.0	0.02150
21.0000E 3	6.1658	18.92000	18.90260	18.70451	0.01740	0.0	0.0	0.0	0.01740
22.0000E 3	6.1193	16.71000	16.69780	16.51965	0.01220	0.0	0.0	0.0	0.01220
23.0000E 3	6.0748	14.92000	14.91070	14.75002	0.00930	0.0	0.0	0.0	0.00930
24.0000E 3	6.0323	13.78000	13.77250	13.62299	0.00750	0.0	0.0	0.0	0.00750
25.0000E 3	5.9915	12.36000	12.35340	12.21917	0.00660	0.0	0.0	0.0	0.00660
26.0000E 3	5.9522	11.23000	11.22360	11.10205	0.00640	0.0	0.0	0.0	0.00640
27.0000E 3	5.9145	10.10000	10.09260	9.98494	0.00740	0.0	0.0	0.0	0.00740
28.0000E 3	5.8781	10.22000	10.20870	10.10362	0.01130	0.0	0.0	0.0	0.01130
28.2000E 3	5.8710	11.90000	11.88710	11.76449	0.01290	0.0	0.0	0.0	0.01290
28.5000E 3	5.8604	16.97000	16.95320	16.77673	0.01680	0.0	0.0	0.0	0.01680

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
16.8000E 3	6.3890	0.0	0.0	0.46660	0.01140	0.0	0.0	0.0	0.0
17.0000E 3	6.3771	0.0	0.0	0.37560	0.01140	0.0	0.0	0.0	0.0
17.2000E 3	6.3654	0.0	0.0	0.29250	0.01140	0.0	0.0	0.0	0.0
17.5000E 3	6.3481	0.0	0.0	0.20030	0.01140	0.0	0.0	0.0	0.0
18.0000E 3	6.3200	0.0	0.0	0.11440	0.01140	0.0	0.0	0.0	0.0
18.5000E 3	6.2926	0.0	0.0	0.07230	0.01140	0.0	0.0	0.0	0.0
19.0000E 3	6.2659	0.0	0.0	0.04950	0.01140	0.0	0.0	0.0	0.0
19.5000E 3	6.2399	0.0	0.0	0.03590	0.01140	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.02730	0.01140	0.0	0.0	0.0	0.0
20.5000E 3	6.1899	0.0	0.0	0.02150	0.01140	0.0	0.0	0.0	0.0
21.0000E 3	6.1658	0.0	0.0	0.01740	0.01140	0.0	0.0	0.0	0.0
22.0000E 3	6.1193	0.0	0.0	0.01220	0.01140	0.0	0.0	0.0	0.0
23.0000E 3	6.0748	0.0	0.0	0.00930	0.01140	0.0	0.0	0.0	0.0
24.0000E 3	6.0323	0.0	0.0	0.00750	0.01140	0.0	0.0	0.0	0.0
25.0000E 3	5.9915	0.0	0.0	0.00660	0.01140	0.0	0.0	0.0	0.0
26.0000E 3	5.9522	0.0	0.0	0.00640	0.01140	0.0	0.0	0.0	0.0
27.0000E 3	5.9145	0.0	0.0	0.00740	0.01140	0.0	0.0	0.0	0.0
28.0000E 3	5.8781	0.0	0.0	0.01130	0.01140	0.0	0.0	0.0	0.0
28.2000E 3	5.8710	0.0	0.0	0.01290	0.01140	0.0	0.0	0.0	0.0
28.5000E 3	5.8604	0.0	0.0	0.01680	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 9

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
28.6000E 3	5.8569	27.86000	27.84120	27.54261	0.01880	0.0	0.0	0.0	0.01880
28.8000E 3	5.8500	36.23000	36.20630	35.81725	0.02370	0.0	0.0	0.0	0.02370
29.0000E 3	5.8430	35.38000	35.35020	34.97701	0.02980	0.0	0.0	0.0	0.02980
29.5000E 3	5.8260	28.30000	28.23410	27.97813	0.06590	0.0	0.0	0.0	0.06590
29.8000E 3	5.8158	24.04000	23.93670	23.76712	0.10330	0.0	0.0	0.0	0.10330
30.0000E 3	5.8091	21.21000	21.09470	20.96952	0.11530	0.0	0.0	0.0	0.11530
30.2000E 3	5.8025	20.15000	20.04860	19.92145	0.10140	0.0	0.0	0.0	0.10140
30.4000E 3	5.7959	19.08000	19.00460	18.86335	0.07540	0.0	0.0	0.0	0.07540
30.6000E 3	5.7893	18.01000	17.95680	17.80529	0.05320	0.0	0.0	0.0	0.05320
30.8000E 3	5.7828	16.94000	16.90200	16.74732	0.03800	0.0	0.0	0.0	0.03800
31.0000E 3	5.7764	15.87000	15.84200	15.68940	0.02800	0.0	0.0	0.0	0.02800
31.2000E 3	5.7699	14.91000	14.88870	14.74027	0.02130	0.0	0.0	0.0	0.02130
31.5000E 3	5.7604	13.46000	13.44490	13.30673	0.01510	0.0	0.0	0.0	0.01510
32.0000E 3	5.7446	11.05000	11.04050	10.92414	0.00950	0.0	0.0	0.0	0.00950
32.5000E 3	5.7291	10.40000	10.39320	10.28152	0.00680	0.0	0.0	0.0	0.00680
33.0000E 3	5.7138	9.75000	9.74480	9.63891	0.00520	0.0	0.0	0.0	0.00520
33.5000E 3	5.6988	9.11000	9.10580	9.00619	0.00420	0.0	0.0	0.0	0.00420
34.0000E 3	5.6840	8.47000	8.46650	8.37348	0.00350	0.0	0.0	0.0	0.00350
34.5000E 3	5.6694	7.80000	7.79700	7.71111	0.00300	0.0	0.0	0.0	0.00300
35.0000E 3	5.6550	7.12000	7.11740	7.03886	0.00260	0.0	0.0	0.0	0.00260

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
28.6000E 3	5.8569	0.0	0.0	0.01880	0.01140	0.0	0.0	0.0	0.0
28.8000E 3	5.8500	0.0	0.0	0.02370	0.01140	0.0	0.0	0.0	0.0
29.0000E 3	5.8430	0.0	0.0	0.02980	0.01140	0.0	0.0	0.0	0.0
29.5000E 3	5.8260	0.0	0.0	0.06590	0.01140	0.0	0.0	0.0	0.0
29.8000E 3	5.8158	0.0	0.0	0.10330	0.01140	0.0	0.0	0.0	0.0
30.0000E 3	5.8091	0.0	0.0	0.11530	0.01140	0.0	0.0	0.0	0.0
30.2000E 3	5.8025	0.0	0.0	0.10140	0.01140	0.0	0.0	0.0	0.0
30.4000E 3	5.7959	0.0	0.0	0.07540	0.01140	0.0	0.0	0.0	0.0
30.6000E 3	5.7893	0.0	0.0	0.05320	0.01140	0.0	0.0	0.0	0.0
30.8000E 3	5.7828	0.0	0.0	0.03800	0.01140	0.0	0.0	0.0	0.0
31.0000E 3	5.7764	0.0	0.0	0.02800	0.01140	0.0	0.0	0.0	0.0
31.2000E 3	5.7699	0.0	0.0	0.02130	0.01140	0.0	0.0	0.0	0.0
31.5000E 3	5.7604	0.0	0.0	0.01510	0.01140	0.0	0.0	0.0	0.0
32.0000E 3	5.7446	0.0	0.0	0.00950	0.01140	0.0	0.0	0.0	0.0
32.5000E 3	5.7291	0.0	0.0	0.00680	0.01140	0.0	0.0	0.0	0.0
33.0000E 3	5.7138	0.0	0.0	0.00520	0.01140	0.0	0.0	0.0	0.0
33.5000E 3	5.6988	0.0	0.0	0.00420	0.01140	0.0	0.0	0.0	0.0
34.0000E 3	5.6840	0.0	0.0	0.00350	0.01140	0.0	0.0	0.0	0.0
34.5000E 3	5.6694	0.0	0.0	0.00300	0.01140	0.0	0.0	0.0	0.0
35.0000E 3	5.6550	0.0	0.0	0.00260	0.01140	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 10

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
36.0000E 3	5.6268	6.54000	6.53770	6.46547	0.00230	0.0	0.0	0.0	0.00230
37.0000E 3	5.5994	6.25000	6.24810	6.17877	0.00190	0.0	0.0	0.0	0.00190
38.0000E 3	5.5728	6.06000	6.05840	5.99093	0.00160	0.0	0.0	0.0	0.00160
39.0000E 3	5.5468	5.91000	5.90850	5.84264	0.00150	0.0	0.0	0.0	0.00150
40.0000E 3	5.5215	5.90000	5.89860	5.83276	0.00140	0.0	0.0	0.0	0.00140
42.0000E 3	5.4727	5.52000	5.51870	5.45709	0.00130	0.0	0.0	0.0	0.00130
44.0000E 3	5.4262	5.14000	5.13870	5.08142	0.00130	0.0	0.0	0.0	0.00130
46.0000E 3	5.3817	4.83000	4.82870	4.77495	0.00130	0.0	0.0	0.0	0.00130
48.0000E 3	5.3391	4.66000	4.65860	4.60689	0.00140	0.0	0.0	0.0	0.00140
50.0000E 3	5.2983	4.42000	4.41840	4.36963	0.00160	0.0	0.0	0.0	0.00160
52.0000E 3	5.2591	4.03000	4.02800	3.98408	0.00200	0.0	0.0	0.0	0.00200
54.0000E 3	5.2214	3.65000	3.64740	3.60842	0.00260	0.0	0.0	0.0	0.00260
56.0000E 3	5.1850	2.93000	2.92620	2.89664	0.00380	0.0	0.0	0.0	0.00380
57.0000E 3	5.1673	2.44400	2.43920	2.41619	0.00480	0.0	0.0	0.0	0.00480
58.0000E 3	5.1499	2.05100	2.04460	2.02769	0.00640	0.0	0.0	0.0	0.00640
59.0000E 3	5.1328	1.81900	1.81020	1.79836	0.00880	0.0	0.0	0.0	0.00880
60.0000E 3	5.1160	1.79300	1.77980	1.77271	0.01320	0.0	0.0	0.0	0.01320
60.5000E 3	5.1077	1.89300	1.87650	1.87104	0.01650	0.0	0.0	0.0	0.01650
61.0000E 3	5.0995	2.16500	2.14390	2.13927	0.02110	0.0	0.0	0.0	0.02110
61.5000E 3	5.0913	3.27700	3.24940	3.23703	0.02760	0.0	0.0	0.0	0.02760

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
36.0000E 3	5.6268	0.0	0.0	0.00230	0.01140	0.0	0.0	0.0	0.0
37.0000E 3	5.5994	0.0	0.0	0.00190	0.01140	0.0	0.0	0.0	0.0
38.0000E 3	5.5728	0.0	0.0	0.00160	0.01140	0.0	0.0	0.0	0.0
39.0000E 3	5.5468	0.0	0.0	0.00150	0.01140	0.0	0.0	0.0	0.0
40.0000E 3	5.5215	0.0	0.0	0.00140	0.01140	0.0	0.0	0.0	0.0
42.0000E 3	5.4727	0.0	0.0	0.00130	0.01140	0.0	0.0	0.0	0.0
44.0000E 3	5.4262	0.0	0.0	0.00130	0.01140	0.0	0.0	0.0	0.0
46.0000E 3	5.3817	0.0	0.0	0.00130	0.01140	0.0	0.0	0.0	0.0
48.0000E 3	5.3391	0.0	0.0	0.00140	0.01140	0.0	0.0	0.0	0.0
50.0000E 3	5.2983	0.0	0.0	0.00160	0.01140	0.0	0.0	0.0	0.0
52.0000E 3	5.2591	0.0	0.0	0.00200	0.01140	0.0	0.0	0.0	0.0
54.0000E 3	5.2214	0.0	0.0	0.00260	0.01140	0.0	0.0	0.0	0.0
56.0000E 3	5.1850	0.0	0.0	0.00380	0.01140	0.0	0.0	0.0	0.0
57.0000E 3	5.1673	0.0	0.0	0.00480	0.01140	0.0	0.0	0.0	0.0
58.0000E 3	5.1499	0.0	0.0	0.00640	0.01140	0.0	0.0	0.0	0.0
59.0000E 3	5.1328	0.0	0.0	0.00880	0.01140	0.0	0.0	0.0	0.0
60.0000E 3	5.1160	0.0	0.0	0.01320	0.01140	0.0	0.0	0.0	0.0
60.5000E 3	5.1077	0.0	0.0	0.01650	0.01170	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	0.0	0.0	0.02110	0.01200	0.0	0.0	0.0	0.0
61.5000E 3	5.0913	0.0	0.0	0.02760	0.01230	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 11

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
62.0000E 3	5.0832	5.99000	5.95370	5.91439	0.03630	0.0	0.0	0.0	0.03630
62.5000E 3	5.0752	10.15400	10.10720	10.02160	0.04680	0.0	0.0	0.0	0.04680
63.0000E 3	5.0672	14.09400	14.03740	13.90590	0.05660	0.0	0.0	0.0	0.05660
63.5000E 3	5.0593	18.76100	18.70020	18.50481	0.06080	0.0	0.0	0.0	0.06080
64.0000E 3	5.0515	23.07300	23.01630	22.75077	0.05670	0.0	0.0	0.0	0.05670
64.5000E 3	5.0437	27.35800	27.30950	26.96474	0.04850	0.0	0.0	0.0	0.04850
65.0000E 3	5.0360	28.58700	28.54420	28.16740	0.04280	0.0	0.0	0.0	0.04280
65.2000E 3	5.0329	29.42600	29.38260	28.99114	0.04340	0.0	0.0	0.0	0.04340
65.5000E 3	5.0283	30.28700	30.23450	29.83348	0.05250	0.0	0.0	0.0	0.05250
65.8000E 3	5.0237	31.12700	31.04370	30.65514	0.08330	0.0	0.0	0.0	0.08330
66.0000E 3	5.0207	30.54800	30.44700	30.08216	0.10100	0.0	0.0	0.0	0.10100
66.2000E 3	5.0177	29.87900	29.80030	29.41710	0.07870	0.0	0.0	0.0	0.07870
66.5000E 3	5.0131	28.53500	28.49330	28.08766	0.04170	0.0	0.0	0.0	0.04170
67.0000E 3	5.0056	26.41900	26.39830	25.99663	0.02070	0.0	0.0	0.0	0.02070
67.5000E 3	4.9982	22.66500	22.65120	22.29579	0.01380	0.0	0.0	0.0	0.01380
68.0000E 3	4.9908	19.00800	18.99770	18.69074	0.01030	0.0	0.0	0.0	0.01030
68.5000E 3	4.9835	17.49800	17.48990	17.20067	0.00810	0.0	0.0	0.0	0.00810
69.0000E 3	4.9762	16.33500	16.32840	16.05252	0.00660	0.0	0.0	0.0	0.00660
69.5000E 3	4.9690	15.41500	15.40940	15.14379	0.00560	0.0	0.0	0.0	0.00560
70.0000E 3	4.9618	14.54200	14.53730	14.28178	0.00470	0.0	0.0	0.0	0.00470

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
62.0000E 3	5.0832	0.0	0.0	0.03630	0.01270	0.0	0.0	0.0	0.0
62.5000E 3	5.0752	0.0	0.0	0.04680	0.01310	0.0	0.0	0.0	0.0
63.0000E 3	5.0672	0.0	0.0	0.05660	0.01340	0.0	0.0	0.0	0.0
63.5000E 3	5.0593	0.0	0.0	0.06080	0.01370	0.0	0.0	0.0	0.0
64.0000E 3	5.0515	0.0	0.0	0.05670	0.01400	0.0	0.0	0.0	0.0
64.5000E 3	5.0437	0.0	0.0	0.04850	0.01440	0.0	0.0	0.0	0.0
65.0000E 3	5.0360	0.0	0.0	0.04280	0.01470	0.0	0.0	0.0	0.0
65.2000E 3	5.0329	0.0	0.0	0.04340	0.01480	0.0	0.0	0.0	0.0
65.5000E 3	5.0283	0.0	0.0	0.05250	0.01500	0.0	0.0	0.0	0.0
65.8000E 3	5.0237	0.0	0.0	0.08330	0.01520	0.0	0.0	0.0	0.0
66.0000E 3	5.0207	0.0	0.0	0.10100	0.01530	0.0	0.0	0.0	0.0
66.2000E 3	5.0177	0.0	0.0	0.07870	0.01550	0.0	0.0	0.0	0.0
66.5000E 3	5.0131	0.0	0.0	0.04170	0.01570	0.0	0.0	0.0	0.0
67.0000E 3	5.0056	0.0	0.0	0.02070	0.01600	0.0	0.0	0.0	0.0
67.5000E 3	4.9982	0.0	0.0	0.01380	0.01630	0.0	0.0	0.0	0.0
68.0000E 3	4.9908	0.0	0.0	0.01030	0.01670	0.0	0.0	0.0	0.0
68.5000E 3	4.9835	0.0	0.0	0.00810	0.01700	0.0	0.0	0.0	0.0
69.0000E 3	4.9762	0.0	0.0	0.00660	0.01730	0.0	0.0	0.0	0.0
69.5000E 3	4.9690	0.0	0.0	0.00560	0.01760	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.00470	0.01790	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 12

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
71.0000E 3	4.9477	13.18000	13.17640	12.93492	0.00360	0.0	0.0	0.0	0.00360
72.0000E 3	4.9337	12.01800	12.01520	11.78731	0.00280	0.0	0.0	0.0	0.00280
73.0000E 3	4.9199	11.10300	11.10070	10.88210	0.00230	0.0	0.0	0.0	0.00230
74.0000E 3	4.9063	10.29100	10.28910	10.07904	0.00190	0.0	0.0	0.0	0.00190
75.0000E 3	4.8929	9.73100	9.72940	9.52474	0.00160	0.0	0.0	0.0	0.00160
76.0000E 3	4.8796	9.25300	9.25160	9.05039	0.00140	0.0	0.0	0.0	0.00140
77.0000E 3	4.8665	8.85800	8.85670	8.65872	0.00130	0.0	0.0	0.0	0.00130
78.0000E 3	4.8536	8.54000	8.53880	8.34190	0.00120	0.0	0.0	0.0	0.00120
79.0000E 3	4.8409	8.25200	8.25090	8.05480	0.00110	0.0	0.0	0.0	0.00110
80.0000E 3	4.8283	7.98700	7.98600	7.79134	0.00100	0.0	0.0	0.0	0.00100
81.0000E 3	4.8159	7.69700	7.69610	7.50306	0.00090	0.0	0.0	0.0	0.00090
81.5000E 3	4.8097	7.55200	7.55110	7.35945	0.00090	0.0	0.0	0.0	0.00090
82.0000E 3	4.8036	7.42100	7.42010	7.22956	0.00090	0.0	0.0	0.0	0.00090
82.5000E 3	4.7975	7.28500	7.28410	7.09416	0.00090	0.0	0.0	0.0	0.00090
83.0000E 3	4.7915	7.14300	7.14210	6.95373	0.00090	0.0	0.0	0.0	0.00090
83.5000E 3	4.7855	6.99300	6.99200	6.80561	0.00100	0.0	0.0	0.0	0.00100
84.0000E 3	4.7795	6.83300	6.83200	6.64785	0.00100	0.0	0.0	0.0	0.00100
84.5000E 3	4.7736	6.64600	6.64490	6.46327	0.00110	0.0	0.0	0.0	0.00110
85.0000E 3	4.7677	6.44000	6.43880	6.26100	0.00120	0.0	0.0	0.0	0.00120
85.5000E 3	4.7618	6.14400	6.14250	5.97140	0.00150	0.0	0.0	0.0	0.00150

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
71.0000E 3	4.9477	0.0	0.0	0.00360	0.01860	0.0	0.0	0.0	0.0
72.0000E 3	4.9337	0.0	0.0	0.00280	0.01920	0.0	0.0	0.0	0.0
73.0000E 3	4.9199	0.0	0.0	0.00230	0.01990	0.0	0.0	0.0	0.0
74.0000E 3	4.9063	0.0	0.0	0.00190	0.02060	0.0	0.0	0.0	0.0
75.0000E 3	4.8929	0.0	0.0	0.00160	0.02120	0.0	0.0	0.0	0.0
76.0000E 3	4.8796	0.0	0.0	0.00140	0.02190	0.0	0.0	0.0	0.0
77.0000E 3	4.8665	0.0	0.0	0.00130	0.02250	0.0	0.0	0.0	0.0
78.0000E 3	4.8536	0.0	0.0	0.00120	0.02320	0.0	0.0	0.0	0.0
79.0000E 3	4.8409	0.0	0.0	0.00110	0.02390	0.0	0.0	0.0	0.0
80.0000E 3	4.8283	0.0	0.0	0.00100	0.02450	0.0	0.0	0.0	0.0
81.0000E 3	4.8159	0.0	0.0	0.00090	0.02520	0.0	0.0	0.0	0.0
81.5000E 3	4.8097	0.0	0.0	0.00090	0.02550	0.0	0.0	0.0	0.0
82.0000E 3	4.8036	0.0	0.0	0.00090	0.02580	0.0	0.0	0.0	0.0
82.5000E 3	4.7975	0.0	0.0	0.00090	0.02620	0.0	0.0	0.0	0.0
83.0000E 3	4.7915	0.0	0.0	0.00090	0.02650	0.0	0.0	0.0	0.0
83.5000E 3	4.7855	0.0	0.0	0.00100	0.02680	0.0	0.0	0.0	0.0
84.0000E 3	4.7795	0.0	0.0	0.00100	0.02710	0.0	0.0	0.0	0.0
84.5000E 3	4.7736	0.0	0.0	0.00110	0.02750	0.0	0.0	0.0	0.0
85.0000E 3	4.7677	0.0	0.0	0.00120	0.02780	0.0	0.0	0.0	0.0
85.5000E 3	4.7618	0.0	0.0	0.00150	0.02810	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 13

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
86.0000E 3	4.7560	6.17500	6.17290	5.99969	0.00210	0.0	0.0	0.0	0.00210
86.5000E 3	4.7502	6.40000	6.39620	6.21579	0.00380	0.0	0.0	0.0	0.00380
86.8000E 3	4.7467	6.61400	6.60700	6.42240	0.00700	0.0	0.0	0.0	0.00700
87.0000E 3	4.7444	6.75700	6.74440	6.56074	0.01260	0.0	0.0	0.0	0.01260
87.2000E 3	4.7421	6.88700	6.85760	6.68676	0.02940	0.0	0.0	0.0	0.02940
87.4000E 3	4.7398	7.03000	6.92980	6.82626	0.10020	0.0	0.0	0.0	0.10020
87.5000E 3	4.7387	7.10100	6.95680	6.89577	0.14420	0.0	0.0	0.0	0.14420
87.6000E 3	4.7376	7.14000	7.04010	6.93161	0.09990	0.0	0.0	0.0	0.09990
87.8000E 3	4.7353	7.21700	7.18770	7.00353	0.02930	0.0	0.0	0.0	0.02930
88.0000E 3	4.7330	7.22400	7.21150	7.00910	0.01250	0.0	0.0	0.0	0.01250
88.2000E 3	4.7307	7.21300	7.20610	6.99754	0.00690	0.0	0.0	0.0	0.00690
88.4000E 3	4.7285	7.19500	7.19050	6.97929	0.00450	0.0	0.0	0.0	0.00450
88.6000E 3	4.7262	7.16900	7.16570	6.95260	0.00330	0.0	0.0	0.0	0.00330
88.8000E 3	4.7240	7.12100	7.11850	6.90531	0.00250	0.0	0.0	0.0	0.00250
89.0000E 3	4.7217	6.99600	6.99390	6.78339	0.00210	0.0	0.0	0.0	0.00210
89.5000E 3	4.7161	6.60800	6.60650	6.40518	0.00150	0.0	0.0	0.0	0.00150
90.0000E 3	4.7105	6.33100	6.32980	6.13478	0.00120	0.0	0.0	0.0	0.00120
91.0000E 3	4.6995	5.90900	5.90800	5.72172	0.00100	0.0	0.0	0.0	0.00100
92.0000E 3	4.6886	5.63000	5.62910	5.44818	0.00090	0.0	0.0	0.0	0.00090
93.0000E 3	4.6777	5.40700	5.40600	5.22860	0.00100	0.0	0.0	0.0	0.00100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
86.0000E 3	4.7560	0.0	0.0	0.00210	0.02840	0.0	0.0	0.0	0.0
86.5000E 3	4.7502	0.0	0.0	0.00380	0.02880	0.0	0.0	0.0	0.0
86.8000E 3	4.7467	0.0	0.0	0.00700	0.02900	0.0	0.0	0.0	0.0
87.0000E 3	4.7444	0.0	0.0	0.01260	0.02910	0.0	0.0	0.0	0.0
87.2000E 3	4.7421	0.0	0.0	0.02940	0.02920	0.0	0.0	0.0	0.0
87.4000E 3	4.7398	0.0	0.0	0.10020	0.02940	0.0	0.0	0.0	0.0
87.5000E 3	4.7387	0.0	0.0	0.14420	0.02950	0.0	0.0	0.0	0.0
87.6000E 3	4.7376	0.0	0.0	0.09990	0.02960	0.0	0.0	0.0	0.0
87.8000E 3	4.7353	0.0	0.0	0.02930	0.02970	0.0	0.0	0.0	0.0
88.0000E 3	4.7330	0.0	0.0	0.01250	0.02980	0.0	0.0	0.0	0.0
88.2000E 3	4.7307	0.0	0.0	0.00690	0.02990	0.0	0.0	0.0	0.0
88.4000E 3	4.7285	0.0	0.0	0.00450	0.03000	0.0	0.0	0.0	0.0
88.6000E 3	4.7262	0.0	0.0	0.00330	0.03020	0.0	0.0	0.0	0.0
88.8000E 3	4.7240	0.0	0.0	0.00250	0.03030	0.0	0.0	0.0	0.0
89.0000E 3	4.7217	0.0	0.0	0.00210	0.03040	0.0	0.0	0.0	0.0
89.5000E 3	4.7161	0.0	0.0	0.00150	0.03070	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.00120	0.03100	0.0	0.0	0.0	0.0
91.0000E 3	4.6995	0.0	0.0	0.00100	0.03170	0.0	0.0	0.0	0.0
92.0000E 3	4.6886	0.0	0.0	0.00090	0.03230	0.0	0.0	0.0	0.0
93.0000E 3	4.6777	0.0	0.0	0.00100	0.03300	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 14

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
94.0000E 3	4.6670	5.20300	5.20190	5.02822	0.00110	0.0	0.0	0.0	0.00110
95.0000E 3	4.6565	4.92500	4.92370	4.75612	0.00130	0.0	0.0	0.0	0.00130
95.5000E 3	4.6512	4.65000	4.64850	4.48916	0.00150	0.0	0.0	0.0	0.00150
96.0000E 3	4.6460	4.69000	4.68820	4.52638	0.00180	0.0	0.0	0.0	0.00180
96.5000E 3	4.6408	4.90400	4.90170	4.73097	0.00230	0.0	0.0	0.0	0.00230
97.0000E 3	4.6356	5.35200	5.34890	5.16158	0.00310	0.0	0.0	0.0	0.00310
97.5000E 3	4.6305	5.80800	5.80320	5.59967	0.00480	0.0	0.0	0.0	0.00480
98.0000E 3	4.6254	6.28900	6.28030	6.06165	0.00870	0.0	0.0	0.0	0.00870
98.5000E 3	4.6203	6.79700	6.77710	6.54896	0.01990	0.0	0.0	0.0	0.01990
98.8000E 3	4.6172	7.12200	7.08980	6.86110	0.03220	0.0	0.0	0.0	0.03220
99.0000E 3	4.6152	7.33100	7.29450	7.06183	0.03650	0.0	0.0	0.0	0.03650
99.2000E 3	4.6132	7.56500	7.53290	7.28628	0.03210	0.0	0.0	0.0	0.03210
99.4000E 3	4.6112	7.72100	7.69740	7.43543	0.02360	0.0	0.0	0.0	0.02360
99.6000E 3	4.6092	7.81200	7.79540	7.52201	0.01660	0.0	0.0	0.0	0.01660
99.8000E 3	4.6072	7.87600	7.86410	7.58267	0.01190	0.0	0.0	0.0	0.01190
99.9000E 3	4.6062	7.87100	7.86080	7.57701	0.01020	0.0	0.0	0.0	0.01020
100.0000E 3	4.6052	7.86200	7.85320	7.56751	0.00880	0.0	0.0	0.0	0.00880
100.1000E 3	4.6042	7.83900	7.83130	7.54454	0.00770	0.0	0.0	0.0	0.00770
100.2000E 3	4.6032	7.81400	7.80720	7.52045	0.00680	0.0	0.0	0.0	0.00680
100.4000E 3	4.6012	7.68900	7.68350	7.39933	0.00550	0.0	0.0	0.0	0.00550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
94.0000E 3	4.6670	0.0	0.0	0.00110	0.03360	0.0	0.0	0.0	0.0
95.0000E 3	4.6565	0.0	0.0	0.00130	0.03430	0.0	0.0	0.0	0.0
95.5000E 3	4.6512	0.0	0.0	0.00150	0.03460	0.0	0.0	0.0	0.0
96.0000E 3	4.6460	0.0	0.0	0.00180	0.03490	0.0	0.0	0.0	0.0
96.5000E 3	4.6408	0.0	0.0	0.00230	0.03530	0.0	0.0	0.0	0.0
97.0000E 3	4.6356	0.0	0.0	0.00310	0.03560	0.0	0.0	0.0	0.0
97.5000E 3	4.6305	0.0	0.0	0.00480	0.03590	0.0	0.0	0.0	0.0
98.0000E 3	4.6254	0.0	0.0	0.00870	0.03620	0.0	0.0	0.0	0.0
98.5000E 3	4.6203	0.0	0.0	0.01990	0.03660	0.0	0.0	0.0	0.0
98.8000E 3	4.6172	0.0	0.0	0.03220	0.03680	0.0	0.0	0.0	0.0
99.0000E 3	4.6152	0.0	0.0	0.03650	0.03690	0.0	0.0	0.0	0.0
99.2000E 3	4.6132	0.0	0.0	0.03210	0.03700	0.0	0.0	0.0	0.0
99.4000E 3	4.6112	0.0	0.0	0.02360	0.03710	0.0	0.0	0.0	0.0
99.6000E 3	4.6092	0.0	0.0	0.01660	0.03720	0.0	0.0	0.0	0.0
99.8000E 3	4.6072	0.0	0.0	0.01190	0.03730	0.0	0.0	0.0	0.0
99.9000E 3	4.6062	0.0	0.0	0.01020	0.03740	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.00880	0.03750	0.0	0.0	0.0	0.0
100.1000E 3	4.6042	0.0	0.0	0.00770	0.03760	0.0	0.0	0.0	0.0
100.2000E 3	4.6032	0.0	0.0	0.00680	0.03760	0.0	0.0	0.0	0.0
100.4000E 3	4.6012	0.0	0.0	0.00550	0.03770	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 15

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
100.6000E 3	4.5992	7.54400	7.53940	7.25826	0.00460	0.0	0.0	0.0	0.00460
100.8000E 3	4.5972	7.37300	7.36910	7.09297	0.00390	0.0	0.0	0.0	0.00390
101.0000E 3	4.5952	7.07000	7.06650	6.80006	0.00350	0.0	0.0	0.0	0.00350
101.5000E 3	4.5903	6.39300	6.39020	6.14698	0.00280	0.0	0.0	0.0	0.00280
102.0000E 3	4.5854	5.72800	5.72560	5.50585	0.00240	0.0	0.0	0.0	0.00240
102.5000E 3	4.5805	5.09600	5.09370	4.89633	0.00230	0.0	0.0	0.0	0.00230
103.0000E 3	4.5756	4.49900	4.49660	4.32138	0.00240	0.0	0.0	0.0	0.00240
103.5000E 3	4.5708	4.13000	4.12750	3.96573	0.00250	0.0	0.0	0.0	0.00250
104.0000E 3	4.5659	3.81000	3.80720	3.65733	0.00280	0.0	0.0	0.0	0.00280
104.5000E 3	4.5612	3.50800	3.50470	3.36606	0.00330	0.0	0.0	0.0	0.00330
105.0000E 3	4.5564	3.18200	3.17800	3.05234	0.00400	0.0	0.0	0.0	0.00400
105.5000E 3	4.5516	2.83500	2.82980	2.71870	0.00520	0.0	0.0	0.0	0.00520
106.0000E 3	4.5469	2.78900	2.78170	2.67384	0.00730	0.0	0.0	0.0	0.00730
106.5000E 3	4.5422	2.76600	2.75490	2.65085	0.01110	0.0	0.0	0.0	0.01110
107.0000E 3	4.5375	2.79800	2.77860	2.68102	0.01940	0.0	0.0	0.0	0.01940
107.5000E 3	4.5328	3.67500	3.63220	3.52099	0.04280	0.0	0.0	0.0	0.04280
107.8000E 3	4.5301	4.74400	4.66750	4.54516	0.07650	0.0	0.0	0.0	0.07650
108.0000E 3	4.5282	5.88200	5.77820	5.63527	0.10380	0.0	0.0	0.0	0.10380
108.3000E 3	4.5254	7.60900	7.47650	7.28826	0.13250	0.0	0.0	0.0	0.13250
108.5000E 3	4.5236	8.61400	8.47610	8.24868	0.13790	0.0	0.0	0.0	0.13790

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
100.6000E 3	4.5992	0.0	0.0	0.00460	0.03790	0.0	0.0	0.0	0.0
100.8000E 3	4.5972	0.0	0.0	0.00390	0.03800	0.0	0.0	0.0	0.0
101.0000E 3	4.5952	0.0	0.0	0.00350	0.03820	0.0	0.0	0.0	0.0
101.5000E 3	4.5903	0.0	0.0	0.00280	0.03850	0.0	0.0	0.0	0.0
102.0000E 3	4.5854	0.0	0.0	0.00240	0.03880	0.0	0.0	0.0	0.0
102.5000E 3	4.5805	0.0	0.0	0.00230	0.03920	0.0	0.0	0.0	0.0
103.0000E 3	4.5756	0.0	0.0	0.00240	0.03950	0.0	0.0	0.0	0.0
103.5000E 3	4.5708	0.0	0.0	0.00250	0.03980	0.0	0.0	0.0	0.0
104.0000E 3	4.5659	0.0	0.0	0.00280	0.04010	0.0	0.0	0.0	0.0
104.5000E 3	4.5612	0.0	0.0	0.00330	0.04050	0.0	0.0	0.0	0.0
105.0000E 3	4.5564	0.0	0.0	0.00400	0.04080	0.0	0.0	0.0	0.0
105.5000E 3	4.5516	0.0	0.0	0.00520	0.04110	0.0	0.0	0.0	0.0
106.0000E 3	4.5469	0.0	0.0	0.00730	0.04140	0.0	0.0	0.0	0.0
106.5000E 3	4.5422	0.0	0.0	0.01110	0.04180	0.0	0.0	0.0	0.0
107.0000E 3	4.5375	0.0	0.0	0.01940	0.04210	0.0	0.0	0.0	0.0
107.5000E 3	4.5328	0.0	0.0	0.04280	0.04240	0.0	0.0	0.0	0.0
107.8000E 3	4.5301	0.0	0.0	0.07650	0.04260	0.0	0.0	0.0	0.0
108.0000E 3	4.5282	0.0	0.0	0.10380	0.04270	0.0	0.0	0.0	0.0
108.3000E 3	4.5254	0.0	0.0	0.13250	0.04290	0.0	0.0	0.0	0.0
108.5000E 3	4.5236	0.0	0.0	0.13790	0.04310	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
108.7000E 3	4.5217	9.69700	9.58150	9.28308	0.11550	0.0	0.0	0.0	0.11550
108.9000E 3	4.5199	10.92400	10.84190	10.45455	0.08210	0.0	0.0	0.0	0.08210
109.0000E 3	4.5190	11.41400	11.34620	10.92157	0.06780	0.0	0.0	0.0	0.06780
109.1000E 3	4.5181	11.62800	11.57200	11.12462	0.05600	0.0	0.0	0.0	0.05600
109.3000E 3	4.5162	11.74600	11.70700	11.23557	0.03900	0.0	0.0	0.0	0.03900
109.5000E 3	4.5144	11.96100	11.93280	11.43954	0.02820	0.0	0.0	0.0	0.02820
109.7000E 3	4.5126	12.10900	12.08780	11.57955	0.02120	0.0	0.0	0.0	0.02120
109.9000E 3	4.5108	12.15200	12.13550	11.61925	0.01650	0.0	0.0	0.0	0.01650
110.0000E 3	4.5099	12.12900	12.11430	11.59597	0.01470	0.0	0.0	0.0	0.01470
110.1000E 3	4.5090	12.06500	12.05190	11.53351	0.01310	0.0	0.0	0.0	0.01310
110.2000E 3	4.5080	11.99400	11.98210	11.46439	0.01190	0.0	0.0	0.0	0.01190
110.3000E 3	4.5071	11.90300	11.89220	11.37618	0.01080	0.0	0.0	0.0	0.01080
110.5000E 3	4.5053	11.70500	11.69600	11.18570	0.00900	0.0	0.0	0.0	0.00900
110.7000E 3	4.5035	11.56600	11.55840	11.05165	0.00760	0.0	0.0	0.0	0.00760
111.0000E 3	4.5008	10.62200	10.61590	10.14747	0.00610	0.0	0.0	0.0	0.00610
111.5000E 3	4.4963	8.39600	8.39150	8.01838	0.00450	0.0	0.0	0.0	0.00450
112.0000E 3	4.4918	7.31600	7.31250	6.98474	0.00350	0.0	0.0	0.0	0.00350
112.5000E 3	4.4874	7.08700	7.08420	6.76325	0.00280	0.0	0.0	0.0	0.00280
113.0000E 3	4.4830	6.67500	6.67260	6.36806	0.00240	0.0	0.0	0.0	0.00240
114.0000E 3	4.4741	6.02300	6.02110	5.74242	0.00190	0.0	0.0	0.0	0.00190

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
108.7000E 3	4.5217	0.0	0.0	0.11550	0.04320	0.0	0.0	0.0	0.0
108.9000E 3	4.5199	0.0	0.0	0.08210	0.04330	0.0	0.0	0.0	0.0
109.0000E 3	4.5190	0.0	0.0	0.06780	0.04340	0.0	0.0	0.0	0.0
109.1000E 3	4.5181	0.0	0.0	0.05600	0.04350	0.0	0.0	0.0	0.0
109.3000E 3	4.5162	0.0	0.0	0.03900	0.04360	0.0	0.0	0.0	0.0
109.5000E 3	4.5144	0.0	0.0	0.02820	0.04370	0.0	0.0	0.0	0.0
109.7000E 3	4.5126	0.0	0.0	0.02120	0.04380	0.0	0.0	0.0	0.0
109.9000E 3	4.5108	0.0	0.0	0.01650	0.04390	0.0	0.0	0.0	0.0
110.0000E 3	4.5099	0.0	0.0	0.01470	0.04400	0.0	0.0	0.0	0.0
110.1000E 3	4.5090	0.0	0.0	0.01310	0.04410	0.0	0.0	0.0	0.0
110.2000E 3	4.5080	0.0	0.0	0.01190	0.04420	0.0	0.0	0.0	0.0
110.3000E 3	4.5071	0.0	0.0	0.01080	0.04430	0.0	0.0	0.0	0.0
110.5000E 3	4.5053	0.0	0.0	0.00900	0.04440	0.0	0.0	0.0	0.0
110.7000E 3	4.5035	0.0	0.0	0.00760	0.04450	0.0	0.0	0.0	0.0
111.0000E 3	4.5008	0.0	0.0	0.00610	0.04470	0.0	0.0	0.0	0.0
111.5000E 3	4.4963	0.0	0.0	0.00450	0.04500	0.0	0.0	0.0	0.0
112.0000E 3	4.4918	0.0	0.0	0.00350	0.04530	0.0	0.0	0.0	0.0
112.5000E 3	4.4874	0.0	0.0	0.00280	0.04570	0.0	0.0	0.0	0.0
113.0000E 3	4.4830	0.0	0.0	0.00240	0.04600	0.0	0.0	0.0	0.0
114.0000E 3	4.4741	0.0	0.0	0.00190	0.04660	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 17

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
115.0000E 3	4.4654	5.58600	5.58440	5.32186	0.00160	0.0	0.0	0.0	0.00160
116.0000E 3	4.4568	5.19300	5.19150	4.94433	0.00150	0.0	0.0	0.0	0.00150
117.0000E 3	4.4482	4.83600	4.83460	4.60104	0.00140	0.0	0.0	0.0	0.00140
118.0000E 3	4.4397	4.56600	4.56460	4.34142	0.00140	0.0	0.0	0.0	0.00140
119.0000E 3	4.4312	4.26300	4.26150	4.05035	0.00150	0.0	0.0	0.0	0.00150
120.0000E 3	4.4228	4.01300	4.01120	3.81043	0.00180	0.0	0.0	0.0	0.00180
121.0000E 3	4.4145	3.60300	3.60050	3.41865	0.00250	0.0	0.0	0.0	0.00250
122.0000E 3	4.4063	3.18400	3.17960	3.01930	0.00440	0.0	0.0	0.0	0.00440
122.5000E 3	4.4022	2.83200	2.82510	2.68453	0.00690	0.0	0.0	0.0	0.00690
123.0000E 3	4.3982	3.70000	3.68620	3.50647	0.01380	0.0	0.0	0.0	0.01380
123.2000E 3	4.3965	4.33400	4.31370	4.10710	0.02030	0.0	0.0	0.0	0.02030
123.4000E 3	4.3949	4.84000	4.80700	4.58667	0.03300	0.0	0.0	0.0	0.03300
123.6000E 3	4.3933	5.27800	5.21640	5.00205	0.06160	0.0	0.0	0.0	0.06160
123.8000E 3	4.3917	5.71500	5.58270	5.41912	0.13230	0.0	0.0	0.0	0.13230
124.0000E 3	4.3901	6.15300	5.93720	5.83773	0.21580	0.0	0.0	0.0	0.21580
124.2000E 3	4.3884	6.41900	6.28720	6.08389	0.13180	0.0	0.0	0.0	0.13180
124.4000E 3	4.3868	6.61700	6.55560	6.26693	0.06140	0.0	0.0	0.0	0.06140
124.6000E 3	4.3852	6.73400	6.70110	6.37549	0.03290	0.0	0.0	0.0	0.03290
124.8000E 3	4.3836	6.76900	6.74870	6.40659	0.02030	0.0	0.0	0.0	0.02030
125.0000E 3	4.3820	6.73000	6.71620	6.36867	0.01380	0.0	0.0	0.0	0.01380

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
115.0000E 3	4.4654	0.0	0.0	0.00160	0.04730	0.0	0.0	0.0	0.0
116.0000E 3	4.4568	0.0	0.0	0.00150	0.04790	0.0	0.0	0.0	0.0
117.0000E 3	4.4482	0.0	0.0	0.00140	0.04860	0.0	0.0	0.0	0.0
118.0000E 3	4.4397	0.0	0.0	0.00140	0.04920	0.0	0.0	0.0	0.0
119.0000E 3	4.4312	0.0	0.0	0.00150	0.04990	0.0	0.0	0.0	0.0
120.0000E 3	4.4228	0.0	0.0	0.00180	0.05050	0.0	0.0	0.0	0.0
121.0000E 3	4.4145	0.0	0.0	0.00250	0.05120	0.0	0.0	0.0	0.0
122.0000E 3	4.4063	0.0	0.0	0.00440	0.05180	0.0	0.0	0.0	0.0
122.5000E 3	4.4022	0.0	0.0	0.00690	0.05220	0.0	0.0	0.0	0.0
123.0000E 3	4.3982	0.0	0.0	0.01380	0.05250	0.0	0.0	0.0	0.0
123.2000E 3	4.3965	0.0	0.0	0.02030	0.05260	0.0	0.0	0.0	0.0
123.4000E 3	4.3949	0.0	0.0	0.03300	0.05270	0.0	0.0	0.0	0.0
123.6000E 3	4.3933	0.0	0.0	0.06160	0.05290	0.0	0.0	0.0	0.0
123.8000E 3	4.3917	0.0	0.0	0.13230	0.05300	0.0	0.0	0.0	0.0
124.0000E 3	4.3901	0.0	0.0	0.21580	0.05310	0.0	0.0	0.0	0.0
124.2000E 3	4.3884	0.0	0.0	0.13180	0.05330	0.0	0.0	0.0	0.0
124.4000E 3	4.3868	0.0	0.0	0.06140	0.05340	0.0	0.0	0.0	0.0
124.6000E 3	4.3852	0.0	0.0	0.03290	0.05350	0.0	0.0	0.0	0.0
124.8000E 3	4.3836	0.0	0.0	0.02030	0.05370	0.0	0.0	0.0	0.0
125.0000E 3	4.3820	0.0	0.0	0.01380	0.05380	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 18

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
125.2000E 3	4.3804	6.67700	6.66680	6.31766	0.01020	0.0	0.0	0.0	0.01020
125.4000E 3	4.3788	6.62000	6.61210	6.26295	0.00790	0.0	0.0	0.0	0.00790
125.6000E 3	4.3772	6.38500	6.37860	6.03928	0.00640	0.0	0.0	0.0	0.00640
125.8000E 3	4.3756	6.12500	6.11960	5.79271	0.00540	0.0	0.0	0.0	0.00540
126.0000E 3	4.3741	5.83500	5.83030	5.51783	0.00470	0.0	0.0	0.0	0.00470
126.5000E 3	4.3701	5.12600	5.12240	4.84529	0.00360	0.0	0.0	0.0	0.00360
127.0000E 3	4.3662	4.42500	4.42200	4.18135	0.00300	0.0	0.0	0.0	0.00300
128.0000E 3	4.3583	3.37600	3.37340	3.18810	0.00260	0.0	0.0	0.0	0.00260
129.0000E 3	4.3505	2.88600	2.88340	2.72338	0.00260	0.0	0.0	0.0	0.00260
130.0000E 3	4.3428	2.52200	2.51920	2.37841	0.00280	0.0	0.0	0.0	0.00280
131.0000E 3	4.3351	2.20200	2.19890	2.07622	0.00310	0.0	0.0	0.0	0.00310
132.0000E 3	4.3275	1.94600	1.94230	1.83471	0.00370	0.0	0.0	0.0	0.00370
133.0000E 3	4.3200	1.68600	1.68140	1.58932	0.00460	0.0	0.0	0.0	0.00460
134.0000E 3	4.3125	1.52600	1.52020	1.43844	0.00580	0.0	0.0	0.0	0.00580
135.0000E 3	4.3051	2.05200	2.04450	1.93383	0.00750	0.0	0.0	0.0	0.00750
136.0000E 3	4.2977	3.35500	3.34520	3.16131	0.00980	0.0	0.0	0.0	0.00980
136.5000E 3	4.2940	4.16000	4.14890	3.91936	0.01110	0.0	0.0	0.0	0.01110
137.0000E 3	4.2904	4.96500	4.95260	4.67725	0.01240	0.0	0.0	0.0	0.01240
137.5000E 3	4.2867	5.90300	5.88950	5.56082	0.01350	0.0	0.0	0.0	0.01350
138.0000E 3	4.2831	6.83900	6.82470	6.44180	0.01430	0.0	0.0	0.0	0.01430

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
125.2000E 3	4.3804	0.0	0.0	0.01020	0.05390	0.0	0.0	0.0	0.0
125.4000E 3	4.3788	0.0	0.0	0.00790	0.05400	0.0	0.0	0.0	0.0
125.6000E 3	4.3772	0.0	0.0	0.00640	0.05420	0.0	0.0	0.0	0.0
125.8000E 3	4.3756	0.0	0.0	0.00540	0.05430	0.0	0.0	0.0	0.0
126.0000E 3	4.3741	0.0	0.0	0.00470	0.05440	0.0	0.0	0.0	0.0
126.5000E 3	4.3701	0.0	0.0	0.00360	0.05480	0.0	0.0	0.0	0.0
127.0000E 3	4.3662	0.0	0.0	0.00300	0.05510	0.0	0.0	0.0	0.0
128.0000E 3	4.3583	0.0	0.0	0.00260	0.05570	0.0	0.0	0.0	0.0
129.0000E 3	4.3505	0.0	0.0	0.00260	0.05640	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	0.0	0.0	0.00280	0.05700	0.0	0.0	0.0	0.0
131.0000E 3	4.3351	0.0	0.0	0.00310	0.05720	0.0	0.0	0.0	0.0
132.0000E 3	4.3275	0.0	0.0	0.00370	0.05730	0.0	0.0	0.0	0.0
133.0000E 3	4.3200	0.0	0.0	0.00460	0.05750	0.0	0.0	0.0	0.0
134.0000E 3	4.3125	0.0	0.0	0.00580	0.05760	0.0	0.0	0.0	0.0
135.0000E 3	4.3051	0.0	0.0	0.00750	0.05780	0.0	0.0	0.0	0.0
136.0000E 3	4.2977	0.0	0.0	0.00980	0.05790	0.0	0.0	0.0	0.0
136.5000E 3	4.2940	0.0	0.0	0.01110	0.05800	0.0	0.0	0.0	0.0
137.0000E 3	4.2904	0.0	0.0	0.01240	0.05810	0.0	0.0	0.0	0.0
137.5000E 3	4.2867	0.0	0.0	0.01350	0.05810	0.0	0.0	0.0	0.0
138.0000E 3	4.2831	0.0	0.0	0.01430	0.05820	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 19

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
138.5000E 3	4.2795	7.98300	7.96850	7.51844	0.01450	0.0	0.0	0.0	0.01450
139.0000E 3	4.2759	9.26000	9.24590	8.72004	0.01410	0.0	0.0	0.0	0.01410
139.5000E 3	4.2723	10.87300	10.85970	10.23879	0.01330	0.0	0.0	0.0	0.01330
140.0000E 3	4.2687	11.67600	11.66390	10.99366	0.01210	0.0	0.0	0.0	0.01210
140.5000E 3	4.2651	12.07200	12.06120	11.36521	0.01080	0.0	0.0	0.0	0.01080
141.0000E 3	4.2616	12.19700	12.18720	11.48161	0.00980	0.0	0.0	0.0	0.00980
141.5000E 3	4.2580	12.05100	12.04260	11.34410	0.00840	0.0	0.0	0.0	0.00840
142.0000E 3	4.2545	11.60700	11.59970	10.92494	0.00730	0.0	0.0	0.0	0.00730
143.0000E 3	4.2475	10.81000	10.80430	10.17255	0.00570	0.0	0.0	0.0	0.00570
144.0000E 3	4.2405	9.86700	9.86240	9.28413	0.00460	0.0	0.0	0.0	0.00460
145.0000E 3	4.2336	8.94200	8.93820	8.41196	0.00380	0.0	0.0	0.0	0.00380
146.0000E 3	4.2267	7.82600	7.82270	7.36133	0.00330	0.0	0.0	0.0	0.00330
148.0000E 3	4.2131	6.30400	6.30110	5.92782	0.00290	0.0	0.0	0.0	0.00290
150.0000E 3	4.1997	4.65800	4.65490	4.37871	0.00310	0.0	0.0	0.0	0.00310
151.0000E 3	4.1931	3.90500	3.90140	3.67014	0.00360	0.0	0.0	0.0	0.00360
152.0000E 3	4.1865	3.11000	3.10570	2.92273	0.00430	0.0	0.0	0.0	0.00430
153.0000E 3	4.1799	2.39800	2.39240	2.25326	0.00560	0.0	0.0	0.0	0.00560
154.0000E 3	4.1734	1.86000	1.85210	1.74758	0.00790	0.0	0.0	0.0	0.00790
154.5000E 3	4.1701	1.86800	1.85840	1.75501	0.00960	0.0	0.0	0.0	0.00960
155.0000E 3	4.1669	2.53000	2.51830	2.37664	0.01170	0.0	0.0	0.0	0.01170

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
138.5000E 3	4.2795	0.0	0.0	0.01450	0.05830	0.0	0.0	0.0	0.0
139.0000E 3	4.2759	0.0	0.0	0.01410	0.05840	0.0	0.0	0.0	0.0
139.5000E 3	4.2723	0.0	0.0	0.01330	0.05840	0.0	0.0	0.0	0.0
140.0000E 3	4.2687	0.0	0.0	0.01210	0.05850	0.0	0.0	0.0	0.0
140.5000E 3	4.2651	0.0	0.0	0.01080	0.05860	0.0	0.0	0.0	0.0
141.0000E 3	4.2616	0.0	0.0	0.00980	0.05870	0.0	0.0	0.0	0.0
141.5000E 3	4.2580	0.0	0.0	0.00840	0.05870	0.0	0.0	0.0	0.0
142.0000E 3	4.2545	0.0	0.0	0.00730	0.05880	0.0	0.0	0.0	0.0
143.0000E 3	4.2475	0.0	0.0	0.00570	0.05900	0.0	0.0	0.0	0.0
144.0000E 3	4.2405	0.0	0.0	0.00460	0.05910	0.0	0.0	0.0	0.0
145.0000E 3	4.2336	0.0	0.0	0.00380	0.05930	0.0	0.0	0.0	0.0
146.0000E 3	4.2267	0.0	0.0	0.00330	0.05940	0.0	0.0	0.0	0.0
148.0000E 3	4.2131	0.0	0.0	0.00290	0.05970	0.0	0.0	0.0	0.0
150.0000E 3	4.1997	0.0	0.0	0.00310	0.06000	0.0	0.0	0.0	0.0
151.0000E 3	4.1931	0.0	0.0	0.00360	0.06020	0.0	0.0	0.0	0.0
152.0000E 3	4.1865	0.0	0.0	0.00430	0.06030	0.0	0.0	0.0	0.0
153.0000E 3	4.1799	0.0	0.0	0.00560	0.06050	0.0	0.0	0.0	0.0
154.0000E 3	4.1734	0.0	0.0	0.00790	0.06070	0.0	0.0	0.0	0.0
154.5000E 3	4.1701	0.0	0.0	0.00960	0.06080	0.0	0.0	0.0	0.0
155.0000E 3	4.1669	0.0	0.0	0.01170	0.06090	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 20

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
155.5000E 3	4.1637	3.55200	3.53760	3.33656	0.01440	0.0	0.0	0.0	0.01440
156.0000E 3	4.1605	4.77700	4.75970	4.48666	0.01730	0.0	0.0	0.0	0.01730
156.5000E 3	4.1573	6.16800	6.14830	5.79234	0.01970	0.0	0.0	0.0	0.01970
157.0000E 3	4.1541	7.69300	7.67230	7.22346	0.02070	0.0	0.0	0.0	0.02070
157.5000E 3	4.1509	9.81900	9.79920	9.21831	0.01980	0.0	0.0	0.0	0.01980
158.0000E 3	4.1477	13.03800	13.02040	12.23855	0.01760	0.0	0.0	0.0	0.01760
158.5000E 3	4.1446	14.49400	14.47890	13.60500	0.01510	0.0	0.0	0.0	0.01510
159.0000E 3	4.1414	14.71000	14.69680	13.80615	0.01320	0.0	0.0	0.0	0.01320
159.5000E 3	4.1383	14.99300	14.98070	14.07019	0.01230	0.0	0.0	0.0	0.01230
160.0000E 3	4.1352	15.29400	15.28100	14.35116	0.01300	0.0	0.0	0.0	0.01300
160.5000E 3	4.1320	15.23100	15.21520	14.29070	0.01580	0.0	0.0	0.0	0.01580
161.0000E 3	4.1289	14.80300	14.78510	13.88780	0.01790	0.0	0.0	0.0	0.01790
161.5000E 3	4.1258	14.25400	14.23990	13.37255	0.01410	0.0	0.0	0.0	0.01410
162.0000E 3	4.1227	13.86700	13.85760	13.00783	0.00940	0.0	0.0	0.0	0.00940
162.5000E 3	4.1197	13.27500	13.26850	12.45103	0.00650	0.0	0.0	0.0	0.00650
163.0000E 3	4.1166	12.50800	12.50310	11.73031	0.00490	0.0	0.0	0.0	0.00490
163.5000E 3	4.1135	11.74900	11.74510	11.01845	0.00390	0.0	0.0	0.0	0.00390
164.0000E 3	4.1105	11.00200	10.99880	10.31677	0.00320	0.0	0.0	0.0	0.00320
164.5000E 3	4.1074	10.34700	10.34420	9.70152	0.00280	0.0	0.0	0.0	0.00280
165.0000E 3	4.1044	9.84800	9.84560	9.23265	0.00240	0.0	0.0	0.0	0.00240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
155.5000E 3	4.1637	0.0	0.0	0.01440	0.06090	0.0	0.0	0.0	0.0
156.0000E 3	4.1605	0.0	0.0	0.01730	0.06100	0.0	0.0	0.0	0.0
156.5000E 3	4.1573	0.0	0.0	0.01970	0.06110	0.0	0.0	0.0	0.0
157.0000E 3	4.1541	0.0	0.0	0.02070	0.06120	0.0	0.0	0.0	0.0
157.5000E 3	4.1509	0.0	0.0	0.01980	0.06130	0.0	0.0	0.0	0.0
158.0000E 3	4.1477	0.0	0.0	0.01760	0.06140	0.0	0.0	0.0	0.0
158.5000E 3	4.1446	0.0	0.0	0.01510	0.06140	0.0	0.0	0.0	0.0
159.0000E 3	4.1414	0.0	0.0	0.01320	0.06150	0.0	0.0	0.0	0.0
159.5000E 3	4.1383	0.0	0.0	0.01230	0.06160	0.0	0.0	0.0	0.0
160.0000E 3	4.1352	0.0	0.0	0.01300	0.06170	0.0	0.0	0.0	0.0
160.5000E 3	4.1320	0.0	0.0	0.01580	0.06180	0.0	0.0	0.0	0.0
161.0000E 3	4.1289	0.0	0.0	0.01790	0.06190	0.0	0.0	0.0	0.0
161.5000E 3	4.1258	0.0	0.0	0.01410	0.06190	0.0	0.0	0.0	0.0
162.0000E 3	4.1227	0.0	0.0	0.00940	0.06200	0.0	0.0	0.0	0.0
162.5000E 3	4.1197	0.0	0.0	0.00650	0.06210	0.0	0.0	0.0	0.0
163.0000E 3	4.1166	0.0	0.0	0.00490	0.06220	0.0	0.0	0.0	0.0
163.5000E 3	4.1135	0.0	0.0	0.00390	0.06220	0.0	0.0	0.0	0.0
164.0000E 3	4.1105	0.0	0.0	0.00320	0.06230	0.0	0.0	0.0	0.0
164.5000E 3	4.1074	0.0	0.0	0.00280	0.06240	0.0	0.0	0.0	0.0
165.0000E 3	4.1044	0.0	0.0	0.00240	0.06250	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 21

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
166.0000E 3	4.0984	9.07100	9.06910	8.50237	0.00190	0.0	0.0	0.0	0.00190
167.0000E 3	4.0923	8.46500	8.46340	7.93350	0.00160	0.0	0.0	0.0	0.00160
168.0000E 3	4.0864	7.90500	7.90360	7.40707	0.00140	0.0	0.0	0.0	0.00140
169.0000E 3	4.0804	7.42800	7.42670	6.95938	0.00130	0.0	0.0	0.0	0.00130
170.0000E 3	4.0745	7.03800	7.03680	6.59257	0.00120	0.0	0.0	0.0	0.00120
172.0000E 3	4.0628	6.34900	6.34790	5.94527	0.00110	0.0	0.0	0.0	0.00110
174.0000E 3	4.0513	5.70000	5.69890	5.33527	0.00110	0.0	0.0	0.0	0.00110
176.0000E 3	4.0399	5.12200	5.12090	4.79273	0.00110	0.0	0.0	0.0	0.00110
178.0000E 3	4.0286	4.56100	4.55980	4.26598	0.00120	0.0	0.0	0.0	0.00120
180.0000E 3	4.0174	3.97200	3.97050	3.71392	0.00150	0.0	0.0	0.0	0.00150
181.0000E 3	4.0118	3.76700	3.76530	3.52150	0.00170	0.0	0.0	0.0	0.00170
182.0000E 3	4.0063	3.68400	3.68200	3.44357	0.00200	0.0	0.0	0.0	0.00200
183.0000E 3	4.0009	3.67800	3.67550	3.43725	0.00250	0.0	0.0	0.0	0.00250
184.0000E 3	3.9954	3.71700	3.71380	3.47337	0.00320	0.0	0.0	0.0	0.00320
185.0000E 3	3.9900	3.81600	3.81180	3.56556	0.00420	0.0	0.0	0.0	0.00420
185.5000E 3	3.9873	3.90200	3.89720	3.64556	0.00480	0.0	0.0	0.0	0.00480
186.0000E 3	3.9846	3.99300	3.98750	3.73022	0.00550	0.0	0.0	0.0	0.00550
186.5000E 3	3.9819	4.09900	4.09290	3.82887	0.00610	0.0	0.0	0.0	0.00610
187.0000E 3	3.9792	4.26800	4.26140	3.98632	0.00660	0.0	0.0	0.0	0.00660
187.5000E 3	3.9766	4.51500	4.50800	4.21702	0.00700	0.0	0.0	0.0	0.00700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
166.0000E 3	4.0984	0.0	0.0	0.00190	0.06270	0.0	0.0	0.0	0.0
167.0000E 3	4.0923	0.0	0.0	0.00160	0.06280	0.0	0.0	0.0	0.0
168.0000E 3	4.0864	0.0	0.0	0.00140	0.06300	0.0	0.0	0.0	0.0
169.0000E 3	4.0804	0.0	0.0	0.00130	0.06310	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	0.0	0.0	0.00120	0.06330	0.0	0.0	0.0	0.0
172.0000E 3	4.0628	0.0	0.0	0.00110	0.06360	0.0	0.0	0.0	0.0
174.0000E 3	4.0513	0.0	0.0	0.00110	0.06400	0.0	0.0	0.0	0.0
176.0000E 3	4.0399	0.0	0.0	0.00110	0.06430	0.0	0.0	0.0	0.0
178.0000E 3	4.0286	0.0	0.0	0.00120	0.06470	0.0	0.0	0.0	0.0
180.0000E 3	4.0174	0.0	0.0	0.00150	0.06500	0.0	0.0	0.0	0.0
181.0000E 3	4.0118	0.0	0.0	0.00170	0.06520	0.0	0.0	0.0	0.0
182.0000E 3	4.0063	0.0	0.0	0.00200	0.06530	0.0	0.0	0.0	0.0
183.0000E 3	4.0009	0.0	0.0	0.00250	0.06550	0.0	0.0	0.0	0.0
184.0000E 3	3.9954	0.0	0.0	0.00320	0.06560	0.0	0.0	0.0	0.0
185.0000E 3	3.9900	0.0	0.0	0.00420	0.06570	0.0	0.0	0.0	0.0
185.5000E 3	3.9873	0.0	0.0	0.00480	0.06580	0.0	0.0	0.0	0.0
186.0000E 3	3.9846	0.0	0.0	0.00550	0.06590	0.0	0.0	0.0	0.0
186.5000E 3	3.9819	0.0	0.0	0.00610	0.06600	0.0	0.0	0.0	0.0
187.0000E 3	3.9792	0.0	0.0	0.00660	0.06610	0.0	0.0	0.0	0.0
187.5000E 3	3.9766	0.0	0.0	0.00700	0.06610	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 22

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
188.0000E 3	3.9739	4.59900	4.59150	4.29504	0.00750	0.0	0.0	0.0	0.00750
188.5000E 3	3.9712	4.25200	4.24380	3.97064	0.00820	0.0	0.0	0.0	0.00820
189.0000E 3	3.9686	3.74700	3.73760	3.49882	0.00940	0.0	0.0	0.0	0.00940
189.5000E 3	3.9660	2.98600	2.97470	2.78848	0.01130	0.0	0.0	0.0	0.01130
190.0000E 3	3.9633	2.73900	2.72470	2.55781	0.01430	0.0	0.0	0.0	0.01430
190.5000E 3	3.9607	2.71800	2.69950	2.53821	0.01850	0.0	0.0	0.0	0.01850
191.0000E 3	3.9581	2.76100	2.73780	2.57839	0.02320	0.0	0.0	0.0	0.02320
191.5000E 3	3.9555	3.14100	3.11570	2.93318	0.02530	0.0	0.0	0.0	0.02530
192.0000E 3	3.9528	3.44900	3.42610	3.22014	0.02290	0.0	0.0	0.0	0.02290
192.5000E 3	3.9502	5.76900	5.75100	5.38426	0.01800	0.0	0.0	0.0	0.01800
193.0000E 3	3.9477	7.26200	7.24840	6.77636	0.01360	0.0	0.0	0.0	0.01360
193.5000E 3	3.9451	8.07000	8.05960	7.53001	0.01040	0.0	0.0	0.0	0.01040
194.0000E 3	3.9425	8.13800	8.12970	7.59250	0.00830	0.0	0.0	0.0	0.00830
194.5000E 3	3.9399	8.01200	8.00500	7.47406	0.00700	0.0	0.0	0.0	0.00700
195.0000E 3	3.9373	7.75400	7.74790	7.23257	0.00610	0.0	0.0	0.0	0.00610
195.5000E 3	3.9348	7.25300	7.24740	6.76453	0.00560	0.0	0.0	0.0	0.00560
196.0000E 3	3.9322	6.57300	6.56770	6.12968	0.00530	0.0	0.0	0.0	0.00530
196.5000E 3	3.9297	5.93600	5.93070	5.53508	0.00530	0.0	0.0	0.0	0.00530
197.0000E 3	3.9271	5.63900	5.63370	5.25760	0.00530	0.0	0.0	0.0	0.00530
197.5000E 3	3.9246	5.58800	5.58250	5.21006	0.00550	0.0	0.0	0.0	0.00550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
188.0000E 3	3.9739	0.0	0.0	0.00750	0.06620	0.0	0.0	0.0	0.0
188.5000E 3	3.9712	0.0	0.0	0.00820	0.06630	0.0	0.0	0.0	0.0
189.0000E 3	3.9686	0.0	0.0	0.00940	0.06640	0.0	0.0	0.0	0.0
189.5000E 3	3.9660	0.0	0.0	0.01130	0.06640	0.0	0.0	0.0	0.0
190.0000E 3	3.9633	0.0	0.0	0.01430	0.06650	0.0	0.0	0.0	0.0
190.5000E 3	3.9607	0.0	0.0	0.01850	0.06660	0.0	0.0	0.0	0.0
191.0000E 3	3.9581	0.0	0.0	0.02320	0.06670	0.0	0.0	0.0	0.0
191.5000E 3	3.9555	0.0	0.0	0.02530	0.06670	0.0	0.0	0.0	0.0
192.0000E 3	3.9528	0.0	0.0	0.02290	0.06680	0.0	0.0	0.0	0.0
192.5000E 3	3.9502	0.0	0.0	0.01800	0.06690	0.0	0.0	0.0	0.0
193.0000E 3	3.9477	0.0	0.0	0.01360	0.06700	0.0	0.0	0.0	0.0
193.5000E 3	3.9451	0.0	0.0	0.01040	0.06700	0.0	0.0	0.0	0.0
194.0000E 3	3.9425	0.0	0.0	0.00830	0.06710	0.0	0.0	0.0	0.0
194.5000E 3	3.9399	0.0	0.0	0.00700	0.06720	0.0	0.0	0.0	0.0
195.0000E 3	3.9373	0.0	0.0	0.00610	0.06730	0.0	0.0	0.0	0.0
195.5000E 3	3.9348	0.0	0.0	0.00560	0.06740	0.0	0.0	0.0	0.0
196.0000E 3	3.9322	0.0	0.0	0.00530	0.06750	0.0	0.0	0.0	0.0
196.5000E 3	3.9297	0.0	0.0	0.00530	0.06760	0.0	0.0	0.0	0.0
197.0000E 3	3.9271	0.0	0.0	0.00530	0.06770	0.0	0.0	0.0	0.0
197.5000E 3	3.9246	0.0	0.0	0.00550	0.06770	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 23

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
198.0000E 3	3.9221	5.53800	5.53240	5.16290	0.00560	0.0	0.0	0.0	0.00560
198.5000E 3	3.9196	5.56800	5.56220	5.19033	0.00580	0.0	0.0	0.0	0.00580
199.0000E 3	3.9170	5.65900	5.65310	5.27459	0.00590	0.0	0.0	0.0	0.00590
199.5000E 3	3.9145	5.74900	5.74310	5.35847	0.00590	0.0	0.0	0.0	0.00590
200.0000E 3	3.9120	5.65200	5.64620	5.26749	0.00580	0.0	0.0	0.0	0.00580
200.5000E 3	3.9095	5.34400	5.33830	4.97993	0.00570	0.0	0.0	0.0	0.00570
201.0000E 3	3.9070	4.86600	4.86030	4.53404	0.00570	0.0	0.0	0.0	0.00570
201.5000E 3	3.9046	4.29500	4.28930	4.00204	0.00570	0.0	0.0	0.0	0.00570
202.0000E 3	3.9021	3.91400	3.90820	3.64668	0.00580	0.0	0.0	0.0	0.00580
202.5000E 3	3.8996	3.69700	3.69100	3.44417	0.00600	0.0	0.0	0.0	0.00600
203.0000E 3	3.8971	3.54600	3.53960	3.30318	0.00640	0.0	0.0	0.0	0.00640
203.5000E 3	3.8947	3.47100	3.46420	3.23301	0.00680	0.0	0.0	0.0	0.00680
204.0000E 3	3.8922	3.43700	3.42970	3.20104	0.00730	0.0	0.0	0.0	0.00730
204.5000E 3	3.8898	3.61000	3.60210	3.36182	0.00790	0.0	0.0	0.0	0.00790
205.0000E 3	3.8873	4.24300	4.23460	3.95081	0.00840	0.0	0.0	0.0	0.00840
205.5000E 3	3.8849	4.94300	4.93410	4.60255	0.00890	0.0	0.0	0.0	0.00890
206.0000E 3	3.8825	5.67300	5.66380	5.28163	0.00920	0.0	0.0	0.0	0.00920
206.5000E 3	3.8800	6.96000	6.95080	6.47900	0.00920	0.0	0.0	0.0	0.00920
207.0000E 3	3.8776	7.35100	7.34200	6.84220	0.00900	0.0	0.0	0.0	0.00900
207.5000E 3	3.8752	8.34600	8.33750	7.76738	0.00850	0.0	0.0	0.0	0.00850

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
198.0000E 3	3.9221	0.0	0.0	0.00560	0.06780	0.0	0.0	0.0	0.0
198.5000E 3	3.9196	0.0	0.0	0.00580	0.06790	0.0	0.0	0.0	0.0
199.0000E 3	3.9170	0.0	0.0	0.00590	0.06800	0.0	0.0	0.0	0.0
199.5000E 3	3.9145	0.0	0.0	0.00590	0.06800	0.0	0.0	0.0	0.0
200.0000E 3	3.9120	0.0	0.0	0.00580	0.06810	0.0	0.0	0.0	0.0
200.5000E 3	3.9095	0.0	0.0	0.00570	0.06820	0.0	0.0	0.0	0.0
201.0000E 3	3.9070	0.0	0.0	0.00570	0.06830	0.0	0.0	0.0	0.0
201.5000E 3	3.9046	0.0	0.0	0.00570	0.06830	0.0	0.0	0.0	0.0
202.0000E 3	3.9021	0.0	0.0	0.00580	0.06840	0.0	0.0	0.0	0.0
202.5000E 3	3.8996	0.0	0.0	0.00600	0.06850	0.0	0.0	0.0	0.0
203.0000E 3	3.8971	0.0	0.0	0.00640	0.06860	0.0	0.0	0.0	0.0
203.5000E 3	3.8947	0.0	0.0	0.00680	0.06870	0.0	0.0	0.0	0.0
204.0000E 3	3.8922	0.0	0.0	0.00730	0.06880	0.0	0.0	0.0	0.0
204.5000E 3	3.8898	0.0	0.0	0.00790	0.06890	0.0	0.0	0.0	0.0
205.0000E 3	3.8873	0.0	0.0	0.00840	0.06900	0.0	0.0	0.0	0.0
205.5000E 3	3.8849	0.0	0.0	0.00890	0.06900	0.0	0.0	0.0	0.0
206.0000E 3	3.8825	0.0	0.0	0.00920	0.06910	0.0	0.0	0.0	0.0
206.5000E 3	3.8800	0.0	0.0	0.00920	0.06920	0.0	0.0	0.0	0.0
207.0000E 3	3.8776	0.0	0.0	0.00900	0.06930	0.0	0.0	0.0	0.0
207.5000E 3	3.8752	0.0	0.0	0.00850	0.06940	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
208.0000E 3	3.8728	9.58700	9.57910	8.92125	0.00790	0.0	0.0	0.0	0.00790
208.5000E 3	3.8704	10.83000	10.82290	10.07673	0.00710	0.0	0.0	0.0	0.00710
209.0000E 3	3.8680	11.86900	11.86260	11.04218	0.00640	0.0	0.0	0.0	0.00640
209.5000E 3	3.8656	12.33300	12.32740	11.47378	0.00560	0.0	0.0	0.0	0.00560
210.0000E 3	3.8632	12.42900	12.42400	11.56180	0.00500	0.0	0.0	0.0	0.00500
210.5000E 3	3.8609	12.40900	12.40360	11.54199	0.00540	0.0	0.0	0.0	0.00540
211.0000E 3	3.8585	12.25900	12.25310	11.40128	0.00590	0.0	0.0	0.0	0.00590
211.5000E 3	3.8561	11.98600	11.97970	11.14742	0.00630	0.0	0.0	0.0	0.00630
212.0000E 3	3.8538	11.78200	11.77520	10.95656	0.00680	0.0	0.0	0.0	0.00680
213.0000E 3	3.8490	11.11200	11.10440	10.33136	0.00760	0.0	0.0	0.0	0.00760
214.0000E 3	3.8444	10.42400	10.41550	9.68971	0.00850	0.0	0.0	0.0	0.00850
215.0000E 3	3.8397	6.75000	6.74060	6.27479	0.00940	0.0	0.0	0.0	0.00940
217.0000E 3	3.8304	6.75000	6.74070	6.27208	0.00930	0.0	0.0	0.0	0.00930
225.0000E 3	3.7942	3.50000	3.49080	3.25390	0.00920	0.0	0.0	0.0	0.00920
229.0000E 3	3.7766	2.80000	2.79090	2.60547	0.00910	0.0	0.0	0.0	0.00910
234.5000E 3	3.7529	8.60000	8.59100	8.01152	0.00900	0.0	0.0	0.0	0.00900
244.0000E 3	3.7132	5.60000	5.59110	5.22707	0.00890	0.0	0.0	0.0	0.00890
246.0000E 3	3.7050	6.20000	6.19110	5.78891	0.00890	0.0	0.0	0.0	0.00890
247.0000E 3	3.7010	5.65000	5.64110	5.27656	0.00890	0.0	0.0	0.0	0.00890
249.0000E 3	3.6929	5.90000	5.89120	5.51177	0.00880	0.0	0.0	0.0	0.00880

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
208.0000E 3	3.8728	0.0	0.0	0.00790	0.06950	0.0	0.0	0.0	0.0
208.5000E 3	3.8704	0.0	0.0	0.00710	0.06960	0.0	0.0	0.0	0.0
209.0000E 3	3.8680	0.0	0.0	0.00640	0.06970	0.0	0.0	0.0	0.0
209.5000E 3	3.8656	0.0	0.0	0.00560	0.06970	0.0	0.0	0.0	0.0
210.0000E 3	3.8632	0.0	0.0	0.00500	0.06980	0.0	0.0	0.0	0.0
210.5000E 3	3.8609	0.0	0.0	0.00540	0.06990	0.0	0.0	0.0	0.0
211.0000E 3	3.8585	0.0	0.0	0.00590	0.07000	0.0	0.0	0.0	0.0
211.5000E 3	3.8561	0.0	0.0	0.00630	0.07000	0.0	0.0	0.0	0.0
212.0000E 3	3.8538	0.0	0.0	0.00680	0.07010	0.0	0.0	0.0	0.0
213.0000E 3	3.8490	0.0	0.0	0.00760	0.07030	0.0	0.0	0.0	0.0
214.0000E 3	3.8444	0.0	0.0	0.00850	0.07050	0.0	0.0	0.0	0.0
215.0000E 3	3.8397	0.0	0.0	0.00940	0.07050	0.0	0.0	0.0	0.0
217.0000E 3	3.8304	0.0	0.0	0.00930	0.07090	0.0	0.0	0.0	0.0
225.0000E 3	3.7942	0.0	0.0	0.00920	0.07050	0.0	0.0	0.0	0.0
229.0000E 3	3.7766	0.0	0.0	0.00910	0.06970	0.0	0.0	0.0	0.0
234.5000E 3	3.7529	0.0	0.0	0.00900	0.06850	0.0	0.0	0.0	0.0
244.0000E 3	3.7132	0.0	0.0	0.00890	0.06670	0.0	0.0	0.0	0.0
246.0000E 3	3.7050	0.0	0.0	0.00890	0.06640	0.0	0.0	0.0	0.0
247.0000E 3	3.7010	0.0	0.0	0.00890	0.06620	0.0	0.0	0.0	0.0
249.0000E 3	3.6929	0.0	0.0	0.00880	0.06590	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 25

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
254.0000E 3	3.6730	4.50000	4.49120	4.20852	0.00880	0.0	0.0	0.0	0.00880
258.5000E 3	3.6554	5.35000	5.34130	5.00816	0.00870	0.0	0.0	0.0	0.00870
260.0000E 3	3.6497	4.85000	4.84130	4.54161	0.00870	0.0	0.0	0.0	0.00870
262.5000E 3	3.6401	3.95000	3.94130	3.70091	0.00870	0.0	0.0	0.0	0.00870
265.0000E 3	3.6306	3.35000	3.34130	3.14050	0.00870	0.0	0.0	0.0	0.00870
268.0000E 3	3.6194	3.05000	3.04140	2.86082	0.00860	0.0	0.0	0.0	0.00860
270.0000E 3	3.6119	3.75000	3.74140	3.51916	0.00860	0.0	0.0	0.0	0.00860
273.5000E 3	3.5990	7.85000	7.84140	7.37089	0.00860	0.0	0.0	0.0	0.00860
279.5000E 3	3.5773	4.05000	4.04150	3.80832	0.00850	0.0	0.0	0.0	0.00850
282.0000E 3	3.5684	6.90000	6.89150	6.49064	0.00850	0.0	0.0	0.0	0.00850
285.0000E 3	3.5579	6.15000	6.14150	5.78888	0.00850	0.0	0.0	0.0	0.00850
290.0000E 3	3.5405	5.50000	5.49160	5.18204	0.00840	0.0	0.0	0.0	0.00840
295.0000E 3	3.5234	4.90000	4.89160	4.62118	0.00840	0.0	0.0	0.0	0.00840
300.0000E 3	3.5066	4.35000	4.34170	4.10686	0.00830	0.0	0.0	0.0	0.00830
302.0000E 3	3.4999	4.05000	4.04170	3.82326	0.00830	0.0	0.0	0.0	0.00830
304.0000E 3	3.4933	4.35000	4.34170	4.10600	0.00830	0.0	0.0	0.0	0.00830
306.0000E 3	3.4868	5.90000	5.89170	5.56889	0.00830	0.0	0.0	0.0	0.00830
309.5000E 3	3.4754	3.70000	3.69170	3.49216	0.00830	0.0	0.0	0.0	0.00830
315.0000E 3	3.4578	4.10000	4.09170	3.86841	0.00830	0.0	0.0	0.0	0.00830
318.0000E 3	3.4483	4.05000	4.04180	3.82083	0.00820	0.0	0.0	0.0	0.00820

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
254.0000E 3	3.6730	0.0	0.0	0.00880	0.06490	0.0	0.0	0.0	0.0
258.5000E 3	3.6554	0.0	0.0	0.00870	0.06400	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.0	0.0	0.00870	0.06370	0.0	0.0	0.0	0.0
262.5000E 3	3.6401	0.0	0.0	0.00870	0.06320	0.0	0.0	0.0	0.0
265.0000E 3	3.6306	0.0	0.0	0.00870	0.06270	0.0	0.0	0.0	0.0
268.0000E 3	3.6194	0.0	0.0	0.00860	0.06220	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.0	0.0	0.00860	0.06170	0.0	0.0	0.0	0.0
273.5000E 3	3.5990	0.0	0.0	0.00860	0.06110	0.0	0.0	0.0	0.0
279.5000E 3	3.5773	0.0	0.0	0.00850	0.05980	0.0	0.0	0.0	0.0
282.0000E 3	3.5684	0.0	0.0	0.00850	0.05940	0.0	0.0	0.0	0.0
285.0000E 3	3.5579	0.0	0.0	0.00850	0.05880	0.0	0.0	0.0	0.0
290.0000E 3	3.5405	0.0	0.0	0.00840	0.05790	0.0	0.0	0.0	0.0
295.0000E 3	3.5234	0.0	0.0	0.00840	0.05700	0.0	0.0	0.0	0.0
300.0000E 3	3.5066	0.0	0.0	0.00830	0.05600	0.0	0.0	0.0	0.0
302.0000E 3	3.4999	0.0	0.0	0.00830	0.05610	0.0	0.0	0.0	0.0
304.0000E 3	3.4933	0.0	0.0	0.00830	0.05620	0.0	0.0	0.0	0.0
306.0000E 3	3.4868	0.0	0.0	0.00830	0.05620	0.0	0.0	0.0	0.0
309.5000E 3	3.4754	0.0	0.0	0.00830	0.05630	0.0	0.0	0.0	0.0
315.0000E 3	3.4578	0.0	0.0	0.00830	0.05660	0.0	0.0	0.0	0.0
318.0000E 3	3.4483	0.0	0.0	0.00820	0.05670	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
323.0000E 3	3.4327	2.95000	2.94180	2.78261	0.00820	0.0	0.0	0.0	0.00820
326.5000E 3	3.4219	6.85000	6.84180	6.46002	0.00820	0.0	0.0	0.0	0.00820
331.0000E 3	3.4082	5.25000	5.24180	4.95017	0.00820	0.0	0.0	0.0	0.00820
333.0000E 3	3.4022	5.15000	5.14190	4.85537	0.00810	0.0	0.0	0.0	0.00810
336.0000E 3	3.3932	4.45000	4.44190	4.19503	0.00810	0.0	0.0	0.0	0.00810
340.0000E 3	3.3814	4.80000	4.79190	4.52399	0.00810	0.0	0.0	0.0	0.00810
354.0000E 3	3.3410	4.70000	4.69200	4.39971	0.00800	0.0	0.0	0.0	0.00800
362.0000E 3	3.3187	4.80000	4.79200	4.43485	0.00800	0.0	0.0	0.0	0.00800
372.0000E 3	3.2914	4.40000	4.39200	3.99725	0.00800	0.0	0.0	0.0	0.00800
373.0000E 3	3.2888	3.90000	3.89200	3.53727	0.00800	0.0	0.0	0.0	0.00800
377.0000E 3	3.2781	4.00000	3.99200	3.60280	0.00800	0.0	0.0	0.0	0.00800
378.0000E 3	3.2754	3.90000	3.89200	3.50068	0.00800	0.0	0.0	0.0	0.00800
384.0000E 3	3.2597	3.50000	3.49200	3.11588	0.00800	0.0	0.0	0.0	0.00800
387.0000E 3	3.2519	3.70000	3.69200	3.27579	0.00800	0.0	0.0	0.0	0.00800
392.0000E 3	3.2391	3.10000	3.09200	2.72123	0.00800	0.0	0.0	0.0	0.00800
395.0000E 3	3.2315	3.20000	3.19200	2.79398	0.00800	0.0	0.0	0.0	0.00800
405.0000E 3	3.2065	2.20000	2.19200	1.91460	0.00800	0.0	0.0	0.0	0.00800
410.0000E 3	3.1942	3.00000	2.99200	2.62480	0.00800	0.0	0.0	0.0	0.00800
415.0000E 3	3.1821	2.40000	2.39200	2.11176	0.00800	0.0	0.0	0.0	0.00800
418.0000E 3	3.1749	3.00000	2.99200	2.64814	0.00800	0.0	0.0	0.0	0.00800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
323.0000E 3	3.4327	0.0	0.0	0.00820	0.05690	0.0	0.0	0.0	0.0
326.5000E 3	3.4219	0.0	0.0	0.00820	0.05700	0.0	0.0	0.0	0.0
331.0000E 3	3.4082	0.0	0.0	0.00820	0.05720	0.0	0.0	0.0	0.0
333.0000E 3	3.4022	0.0	0.0	0.00810	0.05730	0.0	0.0	0.0	0.0
336.0000E 3	3.3932	0.0	0.0	0.00810	0.05740	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	0.0	0.0	0.00810	0.05760	0.0	0.0	0.0	0.0
354.0000E 3	3.3410	0.0	0.0	0.00800	0.06400	0.0	0.0	0.0	0.0
362.0000E 3	3.3187	0.0	0.0	0.00800	0.07620	0.0	0.0	0.0	0.0
372.0000E 3	3.2914	0.0	0.0	0.00800	0.09170	0.0	0.0	0.0	0.0
373.0000E 3	3.2888	0.0	0.0	0.00800	0.09320	0.0	0.0	0.0	0.0
377.0000E 3	3.2781	0.0	0.0	0.00800	0.09950	0.0	0.0	0.0	0.0
378.0000E 3	3.2754	0.0	0.0	0.00800	0.10260	0.0	0.0	0.0	0.0
384.0000E 3	3.2597	0.0	0.0	0.00800	0.11000	0.0	0.0	0.0	0.0
387.0000E 3	3.2519	0.0	0.0	0.00800	0.11490	0.0	0.0	0.0	0.0
392.0000E 3	3.2391	0.0	0.0	0.00800	0.12250	0.0	0.0	0.0	0.0
395.0000E 3	3.2315	0.0	0.0	0.00800	0.12720	0.0	0.0	0.0	0.0
405.0000E 3	3.2065	0.0	0.0	0.00800	0.13020	0.0	0.0	0.0	0.0
410.0000E 3	3.1942	0.0	0.0	0.00800	0.12540	0.0	0.0	0.0	0.0
415.0000E 3	3.1821	0.0	0.0	0.00800	0.12050	0.0	0.0	0.0	0.0
418.0000E 3	3.1749	0.0	0.0	0.00800	0.11760	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 27

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
422.0000E 3	3.1653	4.90000	4.89200	4.34378	0.00800	0.0	0.0	0.0	0.00800
430.0000E 3	3.1466	5.80000	5.79200	5.18721	0.00800	0.0	0.0	0.0	0.00800
437.0000E 3	3.1304	5.00000	4.99200	4.50729	0.00800	0.0	0.0	0.0	0.00800
445.0000E 3	3.1123	4.80000	4.79200	4.36393	0.00800	0.0	0.0	0.0	0.00800
455.0000E 3	3.0900	4.50000	4.49200	4.10650	0.00800	0.0	0.0	0.0	0.00800
466.0000E 3	3.0662	4.10000	4.09200	3.72558	0.00800	0.0	0.0	0.0	0.00800
472.0000E 3	3.0534	3.80000	3.79200	3.44545	0.00800	0.0	0.0	0.0	0.00800
480.0000E 3	3.0366	3.70000	3.69200	3.34483	0.00800	0.0	0.0	0.0	0.00800
488.0000E 3	3.0200	3.40000	3.39200	3.06419	0.00800	0.0	0.0	0.0	0.00800
500.0000E 3	2.9957	3.34000	3.33200	2.99680	0.00800	0.0	0.0	0.0	0.00800
505.0000E 3	2.9858	3.69000	3.68200	3.28130	0.00800	0.0	0.0	0.0	0.00800
509.0000E 3	2.9779	4.02000	4.01200	3.54257	0.00800	0.0	0.0	0.0	0.00800
514.0000E 3	2.9681	4.10000	4.09200	3.58441	0.00800	0.0	0.0	0.0	0.00800
518.0000E 3	2.9604	2.77000	2.76200	2.39989	0.00800	0.0	0.0	0.0	0.00800
522.0000E 3	2.9527	2.99000	2.98200	2.56656	0.00800	0.0	0.0	0.0	0.00800
527.0000E 3	2.9431	3.64000	3.63200	3.09520	0.00800	0.0	0.0	0.0	0.00800
531.0000E 3	2.9356	3.95000	3.94200	3.33111	0.00800	0.0	0.0	0.0	0.00800
536.0000E 3	2.9262	3.72000	3.71200	3.10752	0.00800	0.0	0.0	0.0	0.00800
540.0000E 3	2.9188	3.44000	3.43200	2.84626	0.00800	0.0	0.0	0.0	0.00800
544.0000E 3	2.9114	3.22000	3.21200	2.63863	0.00800	0.0	0.0	0.0	0.00800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
422.0000E 3	3.1653	0.0	0.0	0.00800	0.11370	0.0	0.0	0.0	0.0
430.0000E 3	3.1466	0.0	0.0	0.00800	0.10580	0.0	0.0	0.0	0.0
437.0000E 3	3.1304	0.0	0.0	0.00800	0.09870	0.0	0.0	0.0	0.0
445.0000E 3	3.1123	0.0	0.0	0.00800	0.09100	0.0	0.0	0.0	0.0
455.0000E 3	3.0900	0.0	0.0	0.00800	0.08760	0.0	0.0	0.0	0.0
466.0000E 3	3.0662	0.0	0.0	0.00800	0.09150	0.0	0.0	0.0	0.0
472.0000E 3	3.0534	0.0	0.0	0.00800	0.09350	0.0	0.0	0.0	0.0
480.0000E 3	3.0366	0.0	0.0	0.00800	0.09620	0.0	0.0	0.0	0.0
488.0000E 3	3.0200	0.0	0.0	0.00800	0.09900	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.0	0.0	0.00800	0.10300	0.0	0.0	0.0	0.0
505.0000E 3	2.9858	0.0	0.0	0.00800	0.11100	0.0	0.0	0.0	0.0
509.0000E 3	2.9779	0.0	0.0	0.00800	0.11900	0.0	0.0	0.0	0.0
514.0000E 3	2.9681	0.0	0.0	0.00800	0.12600	0.0	0.0	0.0	0.0
518.0000E 3	2.9604	0.0	0.0	0.00800	0.13400	0.0	0.0	0.0	0.0
522.0000E 3	2.9527	0.0	0.0	0.00800	0.14200	0.0	0.0	0.0	0.0
527.0000E 3	2.9431	0.0	0.0	0.00800	0.15000	0.0	0.0	0.0	0.0
531.0000E 3	2.9356	0.0	0.0	0.00800	0.15700	0.0	0.0	0.0	0.0
536.0000E 3	2.9262	0.0	0.0	0.00800	0.16500	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.0	0.0	0.00800	0.17300	0.0	0.0	0.0	0.0
544.0000E 3	2.9114	0.0	0.0	0.00800	0.18100	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
549.0000E 3	2.9022	2.67000	2.66200	2.16688	0.00800	0.0	0.0	0.0	0.00800
553.0000E 3	2.8950	2.55000	2.54200	2.08481	0.00800	0.0	0.0	0.0	0.00800
555.0000E 3	2.8914	2.65000	2.64200	2.18501	0.00800	0.0	0.0	0.0	0.00800
557.0000E 3	2.8878	2.52000	2.51200	2.09296	0.00800	0.0	0.0	0.0	0.00800
562.0000E 3	2.8788	2.55000	2.54200	2.13311	0.00800	0.0	0.0	0.0	0.00800
564.0000E 3	2.8753	2.49000	2.48200	2.09784	0.00800	0.0	0.0	0.0	0.00800
566.0000E 3	2.8717	2.21000	2.20200	1.87089	0.00800	0.0	0.0	0.0	0.00800
568.0000E 3	2.8682	2.14000	2.13200	1.82233	0.00800	0.0	0.0	0.0	0.00800
570.0000E 3	2.8647	2.25000	2.24200	1.92491	0.00800	0.0	0.0	0.0	0.00800
572.0000E 3	2.8612	2.44000	2.43200	2.09709	0.00800	0.0	0.0	0.0	0.00800
573.0000E 3	2.8595	3.00000	2.99200	2.59010	0.00800	0.0	0.0	0.0	0.00800
579.0000E 3	2.8490	3.58000	3.57200	3.13707	0.00800	0.0	0.0	0.0	0.00800
583.0000E 3	2.8422	3.36000	3.35200	2.97452	0.00800	0.0	0.0	0.0	0.00800
588.0000E 3	2.8336	3.06000	3.05200	2.73649	0.00800	0.0	0.0	0.0	0.00800
592.0000E 3	2.8268	2.56000	2.55200	2.31756	0.00800	0.0	0.0	0.0	0.00800
596.0000E 3	2.8201	2.40000	2.39200	2.19429	0.00800	0.0	0.0	0.0	0.00800
601.0000E 3	2.8117	2.38000	2.37200	2.19736	0.00800	0.0	0.0	0.0	0.00800
605.0000E 3	2.8051	2.58000	2.57200	2.36652	0.00800	0.0	0.0	0.0	0.00800
609.0000E 3	2.7985	2.76000	2.75200	2.51782	0.00800	0.0	0.0	0.0	0.00800
613.0000E 3	2.7920	3.39000	3.38200	3.07378	0.00800	0.0	0.0	0.0	0.00800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
549.0000E 3	2.9022	0.0	0.0	0.00800	0.18900	0.0	0.0	0.0	0.0
553.0000E 3	2.8950	0.0	0.0	0.00800	0.18300	0.0	0.0	0.0	0.0
555.0000E 3	2.8914	0.0	0.0	0.00800	0.17600	0.0	0.0	0.0	0.0
557.0000E 3	2.8878	0.0	0.0	0.00800	0.17000	0.0	0.0	0.0	0.0
562.0000E 3	2.8788	0.0	0.0	0.00800	0.16400	0.0	0.0	0.0	0.0
564.0000E 3	2.8753	0.0	0.0	0.00800	0.15800	0.0	0.0	0.0	0.0
566.0000E 3	2.8717	0.0	0.0	0.00800	0.15400	0.0	0.0	0.0	0.0
568.0000E 3	2.8682	0.0	0.0	0.00800	0.14900	0.0	0.0	0.0	0.0
570.0000E 3	2.8647	0.0	0.0	0.00800	0.14500	0.0	0.0	0.0	0.0
572.0000E 3	2.8612	0.0	0.0	0.00800	0.14100	0.0	0.0	0.0	0.0
573.0000E 3	2.8595	0.0	0.0	0.00800	0.13700	0.0	0.0	0.0	0.0
579.0000E 3	2.8490	0.0	0.0	0.00800	0.12400	0.0	0.0	0.0	0.0
583.0000E 3	2.8422	0.0	0.0	0.00800	0.11500	0.0	0.0	0.0	0.0
588.0000E 3	2.8336	0.0	0.0	0.00800	0.10600	0.0	0.0	0.0	0.0
592.0000E 3	2.8268	0.0	0.0	0.00800	0.09500	0.0	0.0	0.0	0.0
596.0000E 3	2.8201	0.0	0.0	0.00800	0.08600	0.0	0.0	0.0	0.0
601.0000E 3	2.8117	0.0	0.0	0.00800	0.07700	0.0	0.0	0.0	0.0
605.0000E 3	2.8051	0.0	0.0	0.00800	0.08300	0.0	0.0	0.0	0.0
609.0000E 3	2.7985	0.0	0.0	0.00800	0.08800	0.0	0.0	0.0	0.0
613.0000E 3	2.7920	0.0	0.0	0.00800	0.09350	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 29

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
616.0000E 3	2.7871	3.68000	3.67200	3.32198	0.00800	0.0	0.0	0.0	0.00800
620.0000E 3	2.7806	3.94000	3.93200	3.53697	0.00800	0.0	0.0	0.0	0.00800
625.0000E 3	2.7726	3.52000	3.51200	3.13719	0.00800	0.0	0.0	0.0	0.00800
630.0000E 3	2.7646	3.36000	3.35210	2.97283	0.00790	0.0	0.0	0.0	0.00790
635.0000E 3	2.7567	2.36000	2.35210	2.07304	0.00790	0.0	0.0	0.0	0.00790
640.0000E 3	2.7489	3.32000	3.31210	2.89440	0.00790	0.0	0.0	0.0	0.00790
644.0000E 3	2.7426	3.66000	3.65210	3.17062	0.00790	0.0	0.0	0.0	0.00790
648.0000E 3	2.7364	3.82000	3.81210	3.29012	0.00790	0.0	0.0	0.0	0.00790
652.0000E 3	2.7303	4.01000	4.00210	3.43970	0.00790	0.0	0.0	0.0	0.00790
656.0000E 3	2.7242	3.81000	3.80210	3.26440	0.00790	0.0	0.0	0.0	0.00790
661.0000E 3	2.7166	3.43000	3.42210	2.93380	0.00790	0.0	0.0	0.0	0.00790
665.0000E 3	2.7106	3.16000	3.15210	2.69979	0.00790	0.0	0.0	0.0	0.00790
669.0000E 3	2.7046	3.25000	3.24210	2.77017	0.00790	0.0	0.0	0.0	0.00790
673.0000E 3	2.6986	3.79000	3.78210	3.22647	0.00790	0.0	0.0	0.0	0.00790
678.0000E 3	2.6912	3.75000	3.74220	3.18493	0.00780	0.0	0.0	0.0	0.00780
682.0000E 3	2.6853	3.72000	3.71220	3.15575	0.00780	0.0	0.0	0.0	0.00780
686.0000E 3	2.6795	3.71000	3.70220	3.14356	0.00780	0.0	0.0	0.0	0.00780
690.0000E 3	2.6736	3.19000	3.18220	2.69994	0.00780	0.0	0.0	0.0	0.00780
695.0000E 3	2.6664	3.51000	3.50220	2.96366	0.00780	0.0	0.0	0.0	0.00780
699.0000E 3	2.6607	3.41000	3.40220	2.87585	0.00780	0.0	0.0	0.0	0.00780

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
616.0000E 3	2.7871	0.0	0.0	0.00800	0.09750	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.00800	0.10250	0.0	0.0	0.0	0.0
625.0000E 3	2.7726	0.0	0.0	0.00800	0.10900	0.0	0.0	0.0	0.0
630.0000E 3	2.7646	0.0	0.0	0.00790	0.11550	0.0	0.0	0.0	0.0
635.0000E 3	2.7567	0.0	0.0	0.00790	0.12200	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.00790	0.12850	0.0	0.0	0.0	0.0
644.0000E 3	2.7426	0.0	0.0	0.00790	0.13400	0.0	0.0	0.0	0.0
648.0000E 3	2.7364	0.0	0.0	0.00790	0.13900	0.0	0.0	0.0	0.0
652.0000E 3	2.7303	0.0	0.0	0.00790	0.14250	0.0	0.0	0.0	0.0
656.0000E 3	2.7242	0.0	0.0	0.00790	0.14350	0.0	0.0	0.0	0.0
661.0000E 3	2.7166	0.0	0.0	0.00790	0.14500	0.0	0.0	0.0	0.0
665.0000E 3	2.7106	0.0	0.0	0.00790	0.14600	0.0	0.0	0.0	0.0
669.0000E 3	2.7046	0.0	0.0	0.00790	0.14800	0.0	0.0	0.0	0.0
673.0000E 3	2.6986	0.0	0.0	0.00790	0.14900	0.0	0.0	0.0	0.0
678.0000E 3	2.6912	0.0	0.0	0.00780	0.15100	0.0	0.0	0.0	0.0
682.0000E 3	2.6853	0.0	0.0	0.00780	0.15200	0.0	0.0	0.0	0.0
686.0000E 3	2.6795	0.0	0.0	0.00780	0.15300	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.0	0.0	0.00780	0.15400	0.0	0.0	0.0	0.0
695.0000E 3	2.6664	0.0	0.0	0.00780	0.15600	0.0	0.0	0.0	0.0
699.0000E 3	2.6607	0.0	0.0	0.00780	0.15700	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 30

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
703.0000E 3	2.6550	3.48000	3.47220	2.93139	0.00780	0.0	0.0	0.0	0.00780
707.0000E 3	2.6493	3.32000	3.31220	2.79336	0.00780	0.0	0.0	0.0	0.00780
712.0000E 3	2.6423	3.74000	3.73220	3.13912	0.00780	0.0	0.0	0.0	0.00780
716.0000E 3	2.6367	3.06000	3.05220	2.56554	0.00780	0.0	0.0	0.0	0.00780
720.0000E 3	2.6311	2.46000	2.45220	2.05784	0.00780	0.0	0.0	0.0	0.00780
724.0000E 3	2.6255	2.49000	2.48220	2.08044	0.00780	0.0	0.0	0.0	0.00780
729.0000E 3	2.6187	2.96000	2.95230	2.46697	0.00770	0.0	0.0	0.0	0.00770
733.0000E 3	2.6132	2.74000	2.73230	2.28097	0.00770	0.0	0.0	0.0	0.00770
737.0000E 3	2.6078	2.43000	2.42230	2.01821	0.00770	0.0	0.0	0.0	0.00770
745.0000E 3	2.5970	2.00000	1.99230	1.65732	0.00770	0.0	0.0	0.0	0.00770
750.0000E 3	2.5903	2.03000	2.02220	1.67814	0.00770	0.0	0.00010	0.0	0.00780
754.0000E 3	2.5849	2.95000	2.94220	2.46454	0.00770	0.0	0.00010	0.0	0.00780
758.0000E 3	2.5797	3.32000	3.31220	2.80330	0.00770	0.0	0.00010	0.0	0.00780
760.0000E 3	2.5770	3.52000	3.51220	2.98615	0.00770	0.0	0.00010	0.0	0.00780
765.0000E 3	2.5705	3.10000	3.09220	2.66091	0.00770	0.0	0.00010	0.0	0.00780
769.0000E 3	2.5652	3.48000	3.47220	3.00778	0.00770	0.0	0.00010	0.0	0.00780
773.0000E 3	2.5601	2.76000	2.75220	2.41873	0.00770	0.0	0.00010	0.0	0.00780
778.0000E 3	2.5536	2.93000	2.92230	2.59832	0.00760	0.0	0.00010	0.0	0.00770
781.0000E 3	2.5498	3.59000	3.58230	3.20669	0.00760	0.0	0.00010	0.0	0.00770
783.0000E 3	2.5472	3.46000	3.45230	3.10441	0.00760	0.0	0.00010	0.0	0.00770

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
703.0000E 3	2.6550	0.0	0.0	0.00780	0.15800	0.0	0.0	0.0	0.0
707.0000E 3	2.6493	0.0	0.0	0.00780	0.15900	0.0	0.0	0.0	0.0
712.0000E 3	2.6423	0.0	0.0	0.00780	0.16100	0.0	0.0	0.0	0.0
716.0000E 3	2.6367	0.0	0.0	0.00780	0.16200	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.0	0.0	0.00780	0.16400	0.0	0.0	0.0	0.0
724.0000E 3	2.6255	0.0	0.0	0.00780	0.16500	0.0	0.0	0.0	0.0
729.0000E 3	2.6187	0.0	0.0	0.00770	0.16700	0.0	0.0	0.0	0.0
733.0000E 3	2.6132	0.0	0.0	0.00770	0.16800	0.0	0.0	0.0	0.0
737.0000E 3	2.6078	0.0	0.0	0.00770	0.17000	0.0	0.0	0.0	0.0
745.0000E 3	2.5970	0.0	0.0	0.00770	0.17200	0.0	0.0	0.0	0.0
750.0000E 3	2.5903	0.0	0.0	0.00780	0.17400	0.0	0.0	0.0	0.0
754.0000E 3	2.5849	0.0	0.0	0.00780	0.16500	0.0	0.0	0.0	0.0
758.0000E 3	2.5797	0.0	0.0	0.00780	0.15600	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.0	0.0	0.00780	0.15200	0.0	0.0	0.0	0.0
765.0000E 3	2.5705	0.0	0.0	0.00780	0.14200	0.0	0.0	0.0	0.0
769.0000E 3	2.5652	0.0	0.0	0.00780	0.13600	0.0	0.0	0.0	0.0
773.0000E 3	2.5601	0.0	0.0	0.00780	0.12400	0.0	0.0	0.0	0.0
778.0000E 3	2.5536	0.0	0.0	0.00770	0.11350	0.0	0.0	0.0	0.0
781.0000E 3	2.5498	0.0	0.0	0.00770	0.10700	0.0	0.0	0.0	0.0
783.0000E 3	2.5472	0.0	0.0	0.00770	0.10300	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 31

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
786.0000E 3	2.5434	3.23000	3.22230	2.91905	0.00760	0.0	0.00010	0.0	0.00770
790.0000E 3	2.5383	2.84000	2.83230	2.59217	0.00760	0.0	0.00010	0.0	0.00770
792.0000E 3	2.5358	3.36000	3.35230	3.08008	0.00760	0.0	0.00010	0.0	0.00770
796.0000E 3	2.5307	3.20000	3.19220	2.96218	0.00760	0.0	0.00020	0.0	0.00780
800.0000E 3	2.5257	3.09000	3.08220	2.88657	0.00760	0.0	0.00020	0.0	0.00780
804.0000E 3	2.5207	2.80000	2.79220	2.59617	0.00760	0.0	0.00020	0.0	0.00780
808.0000E 3	2.5158	2.17000	2.16220	1.99702	0.00760	0.0	0.00020	0.0	0.00780
813.0000E 3	2.5096	3.05000	3.04220	2.77924	0.00760	0.0	0.00020	0.0	0.00780
817.0000E 3	2.5047	3.57000	3.56220	3.22803	0.00760	0.0	0.00020	0.0	0.00780
821.0000E 3	2.4998	3.40000	3.39230	3.05059	0.00750	0.0	0.00020	0.0	0.00770
825.0000E 3	2.4950	3.17000	3.16230	2.82215	0.00750	0.0	0.00020	0.0	0.00770
829.0000E 3	2.4901	3.30000	3.29220	2.91810	0.00750	0.0	0.00030	0.0	0.00780
834.0000E 3	2.4841	3.38000	3.37220	2.95510	0.00750	0.0	0.00030	0.0	0.00780
838.0000E 3	2.4793	2.89000	2.88220	2.50667	0.00750	0.0	0.00030	0.0	0.00780
842.0000E 3	2.4746	2.36000	2.35220	2.03069	0.00750	0.0	0.00030	0.0	0.00780
846.0000E 3	2.4698	1.97000	1.96220	1.68156	0.00750	0.0	0.00030	0.0	0.00780
850.0000E 3	2.4651	2.36000	2.35230	1.99775	0.00740	0.0	0.00030	0.0	0.00770
855.0000E 3	2.4592	2.68000	2.67220	2.28719	0.00740	0.0	0.00040	0.0	0.00780
859.0000E 3	2.4546	2.93000	2.92220	2.51797	0.00740	0.0	0.00040	0.0	0.00780
863.0000E 3	2.4499	2.87000	2.86220	2.48360	0.00740	0.0	0.00040	0.0	0.00780

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
786.0000E 3	2.5434	0.0	0.0	0.00770	0.09650	0.0	0.0	0.0	0.0
790.0000E 3	2.5383	0.0	0.0	0.00770	0.08750	0.0	0.0	0.0	0.0
792.0000E 3	2.5358	0.0	0.0	0.00770	0.08350	0.0	0.0	0.0	0.0
796.0000E 3	2.5307	0.0	0.0	0.00780	0.07450	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.00780	0.06600	0.0	0.0	0.0	0.0
804.0000E 3	2.5207	0.0	0.0	0.00780	0.07300	0.0	0.0	0.0	0.0
808.0000E 3	2.5158	0.0	0.0	0.00780	0.08000	0.0	0.0	0.0	0.0
813.0000E 3	2.5096	0.0	0.0	0.00780	0.08900	0.0	0.0	0.0	0.0
817.0000E 3	2.5047	0.0	0.0	0.00780	0.09600	0.0	0.0	0.0	0.0
821.0000E 3	2.4998	0.0	0.0	0.00770	0.10300	0.0	0.0	0.0	0.0
825.0000E 3	2.4950	0.0	0.0	0.00770	0.11000	0.0	0.0	0.0	0.0
829.0000E 3	2.4901	0.0	0.0	0.00780	0.11600	0.0	0.0	0.0	0.0
834.0000E 3	2.4841	0.0	0.0	0.00780	0.12600	0.0	0.0	0.0	0.0
838.0000E 3	2.4793	0.0	0.0	0.00780	0.13300	0.0	0.0	0.0	0.0
842.0000E 3	2.4746	0.0	0.0	0.00780	0.14000	0.0	0.0	0.0	0.0
846.0000E 3	2.4698	0.0	0.0	0.00780	0.14700	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.0	0.0	0.00770	0.15400	0.0	0.0	0.0	0.0
855.0000E 3	2.4592	0.0	0.0	0.00780	0.14700	0.0	0.0	0.0	0.0
859.0000E 3	2.4546	0.0	0.0	0.00780	0.14100	0.0	0.0	0.0	0.0
863.0000E 3	2.4499	0.0	0.0	0.00780	0.13500	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 32

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
867.0000E 3	2.4453	2.58000	2.57220	2.24690	0.00740	0.0	0.00040	0.0	0.00780
871.0000E 3	2.4407	2.63000	2.62220	2.30485	0.00740	0.0	0.00040	0.0	0.00780
875.0000E 3	2.4361	2.84000	2.83220	2.50580	0.00740	0.0	0.00040	0.0	0.00780
879.0000E 3	2.4316	3.84000	3.83220	3.40888	0.00740	0.0	0.00040	0.0	0.00780
884.0000E 3	2.4259	3.71000	3.70220	3.31942	0.00740	0.0	0.00040	0.0	0.00780
888.0000E 3	2.4214	3.95000	3.94230	3.55774	0.00730	0.0	0.00040	0.0	0.00770
892.0000E 3	2.4169	3.95000	3.94230	3.57942	0.00730	0.0	0.00040	0.0	0.00770
900.0000E 3	2.4079	3.70000	3.69220	3.39724	0.00730	0.0	0.00050	0.0	0.00780
905.0000E 3	2.4024	3.32000	3.31220	3.01197	0.00730	0.0	0.00050	0.0	0.00780
913.0000E 3	2.3936	3.81000	3.80230	3.38414	0.00720	0.0	0.00050	0.0	0.00770
919.0000E 3	2.3871	3.77000	3.76230	3.29595	0.00720	0.0	0.00050	0.0	0.00770
925.0000E 3	2.3805	3.83000	3.82230	3.29106	0.00720	0.0	0.00050	0.0	0.00770
930.0000E 3	2.3752	3.14000	3.13230	2.66232	0.00720	0.0	0.00050	0.0	0.00770
936.0000E 3	2.3687	3.12000	3.11220	2.60182	0.00720	0.0	0.00060	0.0	0.00780
940.0000E 3	2.3645	2.94000	2.93230	2.42392	0.00710	0.0	0.00060	0.0	0.00770
944.0000E 3	2.3602	3.00000	2.99230	2.44493	0.00710	0.0	0.00060	0.0	0.00770
948.0000E 3	2.3560	2.92000	2.91230	2.35065	0.00710	0.0	0.00060	0.0	0.00770
952.0000E 3	2.3518	2.95000	2.94230	2.36742	0.00710	0.0	0.00060	0.0	0.00770
959.0000E 3	2.3444	3.03000	3.02230	2.45576	0.00710	0.0	0.00060	0.0	0.00770
965.0000E 3	2.3382	2.78000	2.77230	2.27267	0.00700	0.0	0.00070	0.0	0.00770

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
867.0000E 3	2.4453	0.0	0.0	0.00780	0.12950	0.0	0.0	0.0	0.0
871.0000E 3	2.4407	0.0	0.0	0.00780	0.12400	0.0	0.0	0.0	0.0
875.0000E 3	2.4361	0.0	0.0	0.00780	0.11800	0.0	0.0	0.0	0.0
879.0000E 3	2.4316	0.0	0.0	0.00780	0.11250	0.0	0.0	0.0	0.0
884.0000E 3	2.4259	0.0	0.0	0.00780	0.10550	0.0	0.0	0.0	0.0
888.0000E 3	2.4214	0.0	0.0	0.00770	0.09950	0.0	0.0	0.0	0.0
892.0000E 3	2.4169	0.0	0.0	0.00770	0.09400	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.00780	0.08200	0.0	0.0	0.0	0.0
905.0000E 3	2.4024	0.0	0.0	0.00780	0.09300	0.0	0.0	0.0	0.0
913.0000E 3	2.3936	0.0	0.0	0.00770	0.11200	0.0	0.0	0.0	0.0
919.0000E 3	2.3871	0.0	0.0	0.00770	0.12600	0.0	0.0	0.0	0.0
925.0000E 3	2.3805	0.0	0.0	0.00770	0.14100	0.0	0.0	0.0	0.0
930.0000E 3	2.3752	0.0	0.0	0.00770	0.15250	0.0	0.0	0.0	0.0
936.0000E 3	2.3687	0.0	0.0	0.00780	0.16650	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.0	0.0	0.00770	0.17600	0.0	0.0	0.0	0.0
944.0000E 3	2.3602	0.0	0.0	0.00770	0.18550	0.0	0.0	0.0	0.0
948.0000E 3	2.3560	0.0	0.0	0.00770	0.19550	0.0	0.0	0.0	0.0
952.0000E 3	2.3518	0.0	0.0	0.00770	0.19800	0.0	0.0	0.0	0.0
959.0000E 3	2.3444	0.0	0.0	0.00770	0.19000	0.0	0.0	0.0	0.0
965.0000E 3	2.3382	0.0	0.0	0.00770	0.18300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
971.0000E 3	2.3320	2.88000	2.87230	2.37448	0.00700	0.0	0.00070	0.0	0.00770
975.0000E 3	2.3279	3.02000	3.01230	2.50339	0.00700	0.0	0.00070	0.0	0.00770
980.0000E 3	2.3228	3.02000	3.01220	2.52148	0.00700	0.0	0.00080	0.0	0.00780
985.0000E 3	2.3177	3.18000	3.17220	2.67245	0.00700	0.0	0.00080	0.0	0.00780
990.0000E 3	2.3126	3.22000	3.21230	2.72531	0.00690	0.0	0.00080	0.0	0.00770
994.0000E 3	2.3086	3.07000	3.06230	2.59749	0.00690	0.0	0.00080	0.0	0.00770
999.0000E 3	2.3036	2.63000	2.62230	2.22459	0.00690	0.0	0.00080	0.0	0.00770
1.0020E 6	2.3006	2.86000	2.85230	2.41818	0.00690	0.0	0.00080	0.0	0.00770
1.0060E 6	2.2966	2.75000	2.74230	2.32467	0.00690	0.0	0.00080	0.0	0.00770
1.0100E 6	2.2926	2.54000	2.53240	2.14672	0.00680	0.0	0.00080	0.0	0.00760
1.0160E 6	2.2867	2.63000	2.62240	2.22169	0.00680	0.0	0.00080	0.0	0.00760
1.0200E 6	2.2828	2.72000	2.71240	2.29714	0.00680	0.0	0.00080	0.0	0.00760
1.0250E 6	2.2779	2.72000	2.71240	2.29632	0.00680	0.0	0.00080	0.0	0.00760
1.0290E 6	2.2740	2.76000	2.75250	2.32951	0.00670	0.0	0.00080	0.0	0.00750
1.0330E 6	2.2701	3.11000	3.10250	2.62384	0.00670	0.0	0.00080	0.0	0.00750
1.0370E 6	2.2663	3.08000	3.07250	2.59792	0.00670	0.0	0.00080	0.0	0.00750
1.0410E 6	2.2624	2.73000	2.72250	2.29985	0.00660	0.0	0.00090	0.0	0.00750
1.0450E 6	2.2586	2.55000	2.54250	2.14066	0.00660	0.0	0.00090	0.0	0.00750
1.0500E 6	2.2538	2.84000	2.83240	2.37152	0.00660	0.0	0.00100	0.0	0.00760
1.0560E 6	2.2481	2.72000	2.71240	2.25808	0.00660	0.0	0.00100	0.0	0.00760

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
971.0000E 3	2.3320	0.0	0.0	0.00770	0.17600	0.0	0.0	0.0	0.0
975.0000E 3	2.3279	0.0	0.0	0.00770	0.17150	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.0	0.0	0.00780	0.16550	0.0	0.0	0.0	0.0
985.0000E 3	2.3177	0.0	0.0	0.00780	0.16000	0.0	0.0	0.0	0.0
990.0000E 3	2.3126	0.0	0.0	0.00770	0.15400	0.0	0.0	0.0	0.0
994.0000E 3	2.3086	0.0	0.0	0.00770	0.15430	0.0	0.0	0.0	0.0
999.0000E 3	2.3036	0.0	0.0	0.00770	0.15460	0.0	0.0	0.0	0.0
1.0020E 6	2.3006	0.0	0.0	0.00770	0.15490	0.0	0.0	0.0	0.0
1.0060E 6	2.2966	0.0	0.0	0.00770	0.15510	0.0	0.0	0.0	0.0
1.0100E 6	2.2926	0.0	0.0	0.00760	0.15530	0.0	0.0	0.0	0.0
1.0160E 6	2.2867	0.0	0.0	0.00760	0.15570	0.0	0.0	0.0	0.0
1.0200E 6	2.2828	0.0	0.0	0.00760	0.15590	0.0	0.0	0.0	0.0
1.0250E 6	2.2779	0.0	0.0	0.00760	0.15620	0.0	0.0	0.0	0.0
1.0290E 6	2.2740	0.0	0.0	0.00750	0.15640	0.0	0.0	0.0	0.0
1.0330E 6	2.2701	0.0	0.0	0.00750	0.15670	0.0	0.0	0.0	0.0
1.0370E 6	2.2663	0.0	0.0	0.00750	0.15690	0.0	0.0	0.0	0.0
1.0410E 6	2.2624	0.0	0.0	0.00750	0.15800	0.0	0.0	0.0	0.0
1.0450E 6	2.2586	0.0	0.0	0.00750	0.16100	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.0	0.0	0.00760	0.16540	0.0	0.0	0.0	0.0
1.0560E 6	2.2481	0.0	0.0	0.00760	0.17030	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0600E 6	2.2443	2.69000	2.68240	2.22460	0.00650	0.0	0.00110	0.0	0.00760
1.0660E 6	2.2387	2.67000	2.66240	2.19503	0.00650	0.0	0.00110	0.0	0.00760
1.0700E 6	2.2349	2.55000	2.54230	2.08832	0.00650	0.0	0.00120	0.0	0.00770
1.0740E 6	2.2312	2.86000	2.85230	2.33289	0.00650	0.0	0.00120	0.0	0.00770
1.0800E 6	2.2256	3.11000	3.10230	2.52149	0.00640	0.0	0.00130	0.0	0.00770
1.0850E 6	2.2210	3.17000	3.16230	2.55651	0.00640	0.0	0.00130	0.0	0.00770
1.0890E 6	2.2173	2.93000	2.92230	2.35138	0.00640	0.0	0.00130	0.0	0.00770
1.0950E 6	2.2118	2.22000	2.21230	1.80630	0.00630	0.0	0.00140	0.0	0.00770
1.0990E 6	2.2082	2.40000	2.39230	1.97776	0.00630	0.0	0.00140	0.0	0.00770
1.1020E 6	2.2055	2.86000	2.85220	2.37085	0.00630	0.0	0.00150	0.0	0.00780
1.1050E 6	2.2027	3.36000	3.35220	2.80521	0.00630	0.0	0.00150	0.0	0.00780
1.1090E 6	2.1991	3.70000	3.69220	3.12032	0.00630	0.0	0.00150	0.0	0.00780
1.1150E 6	2.1937	3.49000	3.48210	2.99206	0.00630	0.0	0.00160	0.0	0.00790
1.1200E 6	2.1893	2.68000	2.67220	2.32593	0.00620	0.0	0.00160	0.0	0.00780
1.1250E 6	2.1848	2.47000	2.46220	2.17084	0.00620	0.0	0.00160	0.0	0.00780
1.1300E 6	2.1804	2.18000	2.17210	1.93998	0.00620	0.0	0.00170	0.0	0.00790
1.1340E 6	2.1768	2.67000	2.66210	2.39847	0.00620	0.0	0.00170	0.0	0.00790
1.1380E 6	2.1733	2.30000	2.29200	2.08570	0.00620	0.0	0.00180	0.0	0.00800
1.1420E 6	2.1698	3.38000	3.37200	3.09507	0.00610	0.0	0.00190	0.0	0.00800
1.1460E 6	2.1663	3.76000	3.75200	3.47485	0.00610	0.0	0.00190	0.0	0.00800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0600E 6	2.2443	0.0	0.0	0.00760	0.17350	0.0	0.0	0.0	0.0
1.0660E 6	2.2387	0.0	0.0	0.00760	0.17840	0.0	0.0	0.0	0.0
1.0700E 6	2.2349	0.0	0.0	0.00770	0.18160	0.0	0.0	0.0	0.0
1.0740E 6	2.2312	0.0	0.0	0.00770	0.18480	0.0	0.0	0.0	0.0
1.0800E 6	2.2256	0.0	0.0	0.00770	0.18970	0.0	0.0	0.0	0.0
1.0850E 6	2.2210	0.0	0.0	0.00770	0.19400	0.0	0.0	0.0	0.0
1.0890E 6	2.2173	0.0	0.0	0.00770	0.19800	0.0	0.0	0.0	0.0
1.0950E 6	2.2118	0.0	0.0	0.00770	0.18700	0.0	0.0	0.0	0.0
1.0990E 6	2.2082	0.0	0.0	0.00770	0.17650	0.0	0.0	0.0	0.0
1.1020E 6	2.2055	0.0	0.0	0.00780	0.17150	0.0	0.0	0.0	0.0
1.1050E 6	2.2027	0.0	0.0	0.00780	0.16550	0.0	0.0	0.0	0.0
1.1090E 6	2.1991	0.0	0.0	0.00780	0.15700	0.0	0.0	0.0	0.0
1.1150E 6	2.1937	0.0	0.0	0.00790	0.14300	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	0.0	0.0	0.00780	0.13250	0.0	0.0	0.0	0.0
1.1250E 6	2.1848	0.0	0.0	0.00780	0.12150	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	0.0	0.0	0.00790	0.11050	0.0	0.0	0.0	0.0
1.1340E 6	2.1768	0.0	0.0	0.00790	0.10200	0.0	0.0	0.0	0.0
1.1380E 6	2.1733	0.0	0.0	0.00800	0.09350	0.0	0.0	0.0	0.0
1.1420E 6	2.1698	0.0	0.0	0.00800	0.08450	0.0	0.0	0.0	0.0
1.1460E 6	2.1663	0.0	0.0	0.00800	0.07600	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 35

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1500E 6	2.1628	3.88000	3.87190	3.61671	0.00610	0.0	0.00200	0.0	0.00810
1.1560E 6	2.1576	3.36000	3.35190	3.12369	0.00610	0.0	0.00200	0.0	0.00810
1.1580E 6	2.1559	3.45000	3.44190	3.20390	0.00610	0.0	0.00200	0.0	0.00810
1.1620E 6	2.1524	3.71000	3.70200	3.43864	0.00600	0.0	0.00200	0.0	0.00800
1.1660E 6	2.1490	3.61000	3.60200	3.33985	0.00600	0.0	0.00200	0.0	0.00800
1.1700E 6	2.1456	2.89000	2.88190	2.66809	0.00600	0.0	0.00210	0.0	0.00810
1.1760E 6	2.1405	2.33000	2.32190	2.14541	0.00600	0.0	0.00210	0.0	0.00810
1.1780E 6	2.1388	2.47000	2.46180	2.27232	0.00600	0.0	0.00220	0.0	0.00820
1.1810E 6	2.1362	2.71000	2.70190	2.48925	0.00590	0.0	0.00220	0.0	0.00810
1.1870E 6	2.1312	3.01000	3.00180	2.75725	0.00590	0.0	0.00230	0.0	0.00820
1.1910E 6	2.1278	3.15000	3.14170	2.87981	0.00590	0.0	0.00240	0.0	0.00830
1.1950E 6	2.1244	2.81000	2.80160	2.56430	0.00590	0.0	0.00250	0.0	0.00840
1.1990E 6	2.1211	2.90000	2.89150	2.63977	0.00590	0.0	0.00260	0.0	0.00850
1.2010E 6	2.1194	3.02000	3.01160	2.74865	0.00580	0.0	0.00260	0.0	0.00840
1.2050E 6	2.1161	3.20000	3.19150	2.91181	0.00580	0.0	0.00270	0.0	0.00850
1.2100E 6	2.1120	3.01000	3.00150	2.73806	0.00580	0.0	0.00270	0.0	0.00850
1.2150E 6	2.1078	3.07000	3.06150	2.79171	0.00580	0.0	0.00270	0.0	0.00850
1.2240E 6	2.1005	3.30000	3.29150	2.99916	0.00570	0.0	0.00280	0.0	0.00850
1.2360E 6	2.0907	3.32000	3.31160	3.01500	0.00560	0.0	0.00280	0.0	0.00840
1.2450E 6	2.0834	3.26000	3.25140	2.95860	0.00560	0.0	0.00300	0.0	0.00860

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1500E 6	2.1628	0.0	0.0	0.00810	0.06800	0.0	0.0	0.0	0.0
1.1560E 6	2.1576	0.0	0.0	0.00810	0.07050	0.0	0.0	0.0	0.0
1.1580E 6	2.1559	0.0	0.0	0.00810	0.07150	0.0	0.0	0.0	0.0
1.1620E 6	2.1524	0.0	0.0	0.00800	0.07330	0.0	0.0	0.0	0.0
1.1660E 6	2.1490	0.0	0.0	0.00800	0.07500	0.0	0.0	0.0	0.0
1.1700E 6	2.1456	0.0	0.0	0.00810	0.07700	0.0	0.0	0.0	0.0
1.1760E 6	2.1405	0.0	0.0	0.00810	0.07950	0.0	0.0	0.0	0.0
1.1780E 6	2.1388	0.0	0.0	0.00820	0.08030	0.0	0.0	0.0	0.0
1.1810E 6	2.1362	0.0	0.0	0.00810	0.08170	0.0	0.0	0.0	0.0
1.1870E 6	2.1312	0.0	0.0	0.00820	0.08420	0.0	0.0	0.0	0.0
1.1910E 6	2.1278	0.0	0.0	0.00830	0.08600	0.0	0.0	0.0	0.0
1.1950E 6	2.1244	0.0	0.0	0.00840	0.08770	0.0	0.0	0.0	0.0
1.1990E 6	2.1211	0.0	0.0	0.00850	0.09000	0.0	0.0	0.0	0.0
1.2010E 6	2.1194	0.0	0.0	0.00840	0.09010	0.0	0.0	0.0	0.0
1.2050E 6	2.1161	0.0	0.0	0.00850	0.09030	0.0	0.0	0.0	0.0
1.2100E 6	2.1120	0.0	0.0	0.00850	0.09060	0.0	0.0	0.0	0.0
1.2150E 6	2.1078	0.0	0.0	0.00850	0.09090	0.0	0.0	0.0	0.0
1.2240E 6	2.1005	0.0	0.0	0.00850	0.09140	0.0	0.0	0.0	0.0
1.2360E 6	2.0907	0.0	0.0	0.00840	0.09210	0.0	0.0	0.0	0.0
1.2450E 6	2.0834	0.0	0.0	0.00860	0.09270	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.2520E 6	2.0778	3.26000	3.25120	2.95731	0.00560	0.0	0.00320	0.0	0.00880
1.2680E 6	2.0651	3.25000	3.24100	2.94664	0.00550	0.0	0.00350	0.0	0.00900
1.2900E 6	2.0479	3.15000	3.14070	2.85320	0.00550	0.0	0.00380	0.0	0.00930
1.3000E 6	2.0402	3.67000	3.66070	3.32223	0.00540	0.0	0.00390	0.0	0.00930
1.3500E 6	2.0025	3.56000	3.55020	2.99197	0.00520	0.0	0.00460	0.0	0.00980
1.4000E 6	1.9661	3.37000	3.32630	2.80453	0.00500	0.0	0.00570	0.0	0.01070
1.4500E 6	1.9310	3.19000	3.11480	2.72589	0.00480	0.0	0.00740	0.0	0.01220
1.5000E 6	1.8971	3.03000	2.88070	2.32711	0.00460	0.0	0.00870	0.0	0.01330
1.5500E 6	1.8643	2.85000	2.59950	2.17413	0.00450	0.0	0.01000	0.0	0.01450
1.6100E 6	1.8264	2.71000	2.37780	2.04659	0.00430	0.0	0.01190	0.0	0.01620
1.7500E 6	1.7430	3.31000	2.87150	2.38538	0.00400	0.0	0.01750	0.0	0.02150
1.9000E 6	1.6607	3.10000	2.58530	2.14602	0.00370	0.0	0.02500	0.0	0.02870
2.0800E 6	1.5702	3.10000	2.50590	2.11017	0.00340	0.0	0.03870	0.0	0.04210
2.2500E 6	1.4917	3.10000	2.42070	2.16440	0.00310	0.0	0.05320	0.0	0.05630
2.4500E 6	1.4065	3.20000	2.45890	2.27545	0.00290	0.0	0.07120	0.0	0.07410
2.4860E 6	1.3919	2.54500	1.78770	1.87640	0.00280	0.0	0.07550	0.0	0.07830
2.4990E 6	1.3867	2.30700	1.54560	1.73049	0.00280	0.0	0.07760	0.0	0.08040
2.5120E 6	1.3815	2.43500	1.66320	1.81629	0.00280	0.0	0.07900	0.0	0.08180
2.5250E 6	1.3763	2.42000	1.63500	1.81178	0.00280	0.0	0.08120	0.0	0.08400
2.5370E 6	1.3716	2.78300	1.98720	2.04575	0.00280	0.0	0.08300	0.0	0.08580

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.2520E 6	2.0778	0.0	0.0	0.00880	0.09310	0.0	0.0	0.0	0.0
1.2680E 6	2.0651	0.0	0.0	0.00900	0.09360	0.0	0.0	0.0	0.0
1.2900E 6	2.0479	0.0	0.0	0.00930	0.09450	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.0	0.0	0.00930	0.09500	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.0	0.0	0.00980	0.16000	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.03300	0.0	0.04370	0.17000	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.06300	0.0	0.07520	0.14900	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.13600	0.0	0.14930	0.24400	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	0.23600	0.0	0.25050	0.26000	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	0.31600	0.0	0.33220	0.27900	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	0.41700	0.0	0.43850	0.32200	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.48600	0.0	0.51470	0.36900	0.0	0.0	0.0	0.0
2.0800E 6	1.5702	0.55200	0.0	0.59410	0.39500	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	0.62300	0.0	0.67930	0.38650	0.0	0.0	0.0	0.0
2.4500E 6	1.4065	0.66700	0.0	0.74110	0.37600	0.0	0.0	0.0	0.0
2.4860E 6	1.3919	0.67900	0.0	0.75730	0.37400	0.0	0.0	0.0	0.0
2.4990E 6	1.3867	0.68100	0.0	0.76140	0.37300	0.0	0.0	0.0	0.0
2.5120E 6	1.3815	0.69000	0.0	0.77180	0.37200	0.0	0.0	0.0	0.0
2.5250E 6	1.3763	0.70100	0.0	0.78500	0.37200	0.0	0.0	0.0	0.0
2.5370E 6	1.3716	0.71000	0.0	0.79580	0.37100	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 37

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5500E 6	1.3665	2.63700	1.83000	1.95807	0.00280	0.0	0.08520	0.0	0.08800
2.5640E 6	1.3610	2.60500	1.78700	1.94381	0.00270	0.0	0.08730	0.0	0.09000
2.5770E 6	1.3560	3.16500	2.33580	2.30075	0.00270	0.0	0.08950	0.0	0.09220
2.5910E 6	1.3505	3.02000	2.18110	2.21517	0.00270	0.0	0.09220	0.0	0.09490
2.6050E 6	1.3452	2.41500	1.56290	1.83985	0.00270	0.0	0.09540	0.0	0.09810
2.6190E 6	1.3398	2.52700	1.66410	1.91461	0.00270	0.0	0.09820	0.0	0.10090
2.6330E 6	1.3345	2.39300	1.52030	1.83505	0.00270	0.0	0.10100	0.0	0.10370
2.6470E 6	1.3292	2.58300	1.69940	1.96102	0.00260	0.0	0.10400	0.0	0.10660
2.6610E 6	1.3239	2.68000	1.78740	2.02581	0.00260	0.0	0.10700	0.0	0.10960
2.6760E 6	1.3183	2.58500	1.68140	1.97129	0.00260	0.0	0.11000	0.0	0.11260
2.6900E 6	1.3130	2.51600	1.59440	1.93564	0.00260	0.0	0.11300	0.0	0.11560
2.7050E 6	1.3075	2.77800	1.83840	2.11066	0.00260	0.0	0.11600	0.0	0.11860
2.7200E 6	1.3020	3.09300	2.13990	2.31622	0.00260	0.0	0.11850	0.0	0.12110
2.7350E 6	1.2965	3.56400	2.59790	2.62356	0.00260	0.0	0.12050	0.0	0.12310
2.7490E 6	1.2913	3.09500	2.11950	2.32986	0.00250	0.0	0.12200	0.0	0.12450
2.7650E 6	1.2855	2.90500	1.92050	2.21362	0.00250	0.0	0.12200	0.0	0.12450
2.7800E 6	1.2801	3.20400	2.21250	2.40971	0.00250	0.0	0.12200	0.0	0.12450
2.7950E 6	1.2748	3.00600	2.00650	2.28767	0.00250	0.0	0.12200	0.0	0.12450
2.8100E 6	1.2694	3.14200	2.13650	2.37927	0.00250	0.0	0.12200	0.0	0.12450
2.8250E 6	1.2641	3.05600	2.04450	2.32611	0.00250	0.0	0.12200	0.0	0.12450

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5500E 6	1.3665	0.71900	0.0	0.80700	0.37100	0.0	0.0	0.0	0.0
2.5640E 6	1.3610	0.72800	0.0	0.81800	0.37000	0.0	0.0	0.0	0.0
2.5770E 6	1.3560	0.73700	0.0	0.82920	0.37000	0.0	0.0	0.0	0.0
2.5910E 6	1.3505	0.74400	0.0	0.83890	0.36900	0.0	0.0	0.0	0.0
2.6050E 6	1.3452	0.75400	0.0	0.85210	0.36800	0.0	0.0	0.0	0.0
2.6190E 6	1.3398	0.76200	0.0	0.86290	0.36800	0.0	0.0	0.0	0.0
2.6330E 6	1.3345	0.76900	0.0	0.87270	0.36700	0.0	0.0	0.0	0.0
2.6470E 6	1.3292	0.77700	0.0	0.88360	0.36600	0.0	0.0	0.0	0.0
2.6610E 6	1.3239	0.78300	0.0	0.89260	0.36600	0.0	0.0	0.0	0.0
2.6760E 6	1.3183	0.79100	0.0	0.90360	0.36500	0.0	0.0	0.0	0.0
2.6900E 6	1.3130	0.80600	0.0	0.92160	0.36400	0.0	0.0	0.0	0.0
2.7050E 6	1.3075	0.82100	0.0	0.93960	0.36300	0.0	0.0	0.0	0.0
2.7200E 6	1.3020	0.83200	0.0	0.95310	0.36300	0.0	0.0	0.0	0.0
2.7350E 6	1.2965	0.84300	0.0	0.96610	0.36200	0.0	0.0	0.0	0.0
2.7490E 6	1.2913	0.85100	0.0	0.97550	0.36100	0.0	0.0	0.0	0.0
2.7650E 6	1.2855	0.86000	0.0	0.98450	0.36000	0.0	0.0	0.0	0.0
2.7800E 6	1.2801	0.86700	0.0	0.99150	0.35900	0.0	0.0	0.0	0.0
2.7950E 6	1.2748	0.87500	0.0	0.99950	0.35800	0.0	0.0	0.0	0.0
2.8100E 6	1.2694	0.88100	0.0	1.00550	0.35700	0.0	0.0	0.0	0.0
2.8250E 6	1.2641	0.88700	0.0	1.01150	0.35700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.8410E 6	1.2584	2.87300	1.85250	2.21351	0.00250	0.0	0.12200	0.0	0.12450
2.8560E 6	1.2532	2.89400	1.86460	2.23207	0.00240	0.0	0.12200	0.0	0.12440
2.8720E 6	1.2476	3.05400	2.01560	2.33846	0.00240	0.0	0.12200	0.0	0.12440
2.8880E 6	1.2420	3.32100	2.24760	2.52535	0.00240	0.0	0.14600	0.0	0.14840
2.9040E 6	1.2365	3.28700	2.19960	2.50834	0.00240	0.0	0.15000	0.0	0.15240
2.9210E 6	1.2307	3.35500	2.25560	2.54750	0.00240	0.0	0.15400	0.0	0.15640
2.9380E 6	1.2249	3.25300	2.13860	2.48097	0.00240	0.0	0.16000	0.0	0.16240
2.9550E 6	1.2191	3.41700	2.29260	2.58249	0.00240	0.0	0.16200	0.0	0.16440
2.9720E 6	1.2133	3.26100	2.13170	2.47867	0.00230	0.0	0.15800	0.0	0.16030
2.9900E 6	1.2073	3.28600	2.15370	2.48913	0.00230	0.0	0.15400	0.0	0.15630
3.0080E 6	1.2013	3.26100	2.12470	2.46849	0.00230	0.0	0.14900	0.0	0.15130
3.0250E 6	1.1957	3.14900	2.00970	2.39134	0.00230	0.0	0.14600	0.0	0.14830
3.0420E 6	1.1901	3.22200	2.07870	2.43209	0.00230	0.0	0.14300	0.0	0.14530
3.0580E 6	1.1848	3.27200	2.12470	2.45612	0.00230	0.0	0.13800	0.0	0.14030
3.0760E 6	1.1790	3.19300	2.04070	2.40325	0.00230	0.0	0.13600	0.0	0.13830
3.0950E 6	1.1728	3.35000	2.17580	2.49926	0.00220	0.0	0.14900	0.0	0.15120
3.1120E 6	1.1673	3.18600	1.94880	2.41622	0.00220	0.0	0.20200	0.0	0.20420
3.1300E 6	1.1616	3.05800	1.73980	2.36382	0.00220	0.0	0.27200	0.0	0.27420
3.1480E 6	1.1558	3.01700	1.65280	2.35257	0.00220	0.0	0.30900	0.0	0.31120
3.1670E 6	1.1498	3.19600	1.88480	2.43077	0.00220	0.0	0.24600	0.0	0.24820

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.8410E 6	1.2584	0.89600	0.0	1.02050	0.35600	0.0	0.0	0.0	0.0
2.8560E 6	1.2532	0.90500	0.0	1.02940	0.35500	0.0	0.0	0.0	0.0
2.8720E 6	1.2476	0.91400	0.0	1.03840	0.35500	0.0	0.0	0.0	0.0
2.8880E 6	1.2420	0.92500	0.0	1.07340	0.35400	0.0	0.0	0.0	0.0
2.9040E 6	1.2365	0.93500	0.0	1.08740	0.35400	0.0	0.0	0.0	0.0
2.9210E 6	1.2307	0.94300	0.0	1.09940	0.35800	0.0	0.0	0.0	0.0
2.9380E 6	1.2249	0.95200	0.0	1.11440	0.36100	0.0	0.0	0.0	0.0
2.9550E 6	1.2191	0.96000	0.0	1.12440	0.36400	0.0	0.0	0.0	0.0
2.9720E 6	1.2133	0.96900	0.0	1.12930	0.36700	0.0	0.0	0.0	0.0
2.9900E 6	1.2073	0.97600	0.0	1.13230	0.37000	0.0	0.0	0.0	0.0
3.0080E 6	1.2013	0.98500	0.0	1.13630	0.37300	0.0	0.0	0.0	0.0
3.0250E 6	1.1957	0.99100	0.0	1.13930	0.37700	0.0	0.0	0.0	0.0
3.0420E 6	1.1901	0.99800	0.0	1.14330	0.38000	0.0	0.0	0.0	0.0
3.0580E 6	1.1848	1.00700	0.0	1.14730	0.38400	0.0	0.0	0.0	0.0
3.0760E 6	1.1790	1.01400	0.0	1.15230	0.38700	0.0	0.0	0.0	0.0
3.0950E 6	1.1728	1.02300	0.0	1.17420	0.39100	0.0	0.0	0.0	0.0
3.1120E 6	1.1673	1.03300	0.0	1.23720	0.39500	0.0	0.0	0.0	0.0
3.1300E 6	1.1616	1.04400	0.0	1.31820	0.39900	0.0	0.0	0.0	0.0
3.1480E 6	1.1558	1.05300	0.0	1.36420	0.40200	0.0	0.0	0.0	0.0
3.1670E 6	1.1498	1.06300	0.0	1.31120	0.40600	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 39

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.1850E 6	1.1441	3.30700	2.02780	2.47560	0.00220	0.0	0.20500	0.0	0.20720
3.2040E 6	1.1382	3.29000	2.03780	2.44839	0.00220	0.0	0.16000	0.0	0.16220
3.2220E 6	1.1326	3.21300	1.98390	2.38770	0.00210	0.0	0.12700	0.0	0.12910
3.2410E 6	1.1267	3.37600	2.13590	2.47892	0.00210	0.0	0.12700	0.0	0.12910
3.2610E 6	1.1206	3.16500	1.91290	2.35584	0.00210	0.0	0.12700	0.0	0.12910
3.2800E 6	1.1147	3.28500	2.02690	2.42154	0.00210	0.0	0.12700	0.0	0.12910
3.2990E 6	1.1090	3.19600	1.92890	2.36657	0.00210	0.0	0.12700	0.0	0.12910
3.3180E 6	1.1032	3.49300	2.17190	2.55040	0.00210	0.0	0.17600	0.0	0.17810
3.3370E 6	1.0975	3.43300	2.06690	2.52976	0.00210	0.0	0.21000	0.0	0.21210
3.3570E 6	1.0915	3.21200	1.83700	2.40372	0.00200	0.0	0.21000	0.0	0.21200
3.3780E 6	1.0853	3.27200	1.88700	2.43417	0.00200	0.0	0.21000	0.0	0.21200
3.3980E 6	1.0794	3.18700	1.79600	2.38239	0.00200	0.0	0.20700	0.0	0.20900
3.4180E 6	1.0735	3.37500	1.99000	2.47552	0.00200	0.0	0.19500	0.0	0.19700
3.4380E 6	1.0677	3.38100	1.99900	2.46946	0.00200	0.0	0.18300	0.0	0.18500
3.4600E 6	1.0613	3.50700	2.13300	2.52582	0.00200	0.0	0.17100	0.0	0.17300
3.4800E 6	1.0556	3.51300	2.14300	2.51865	0.00200	0.0	0.16000	0.0	0.16200
3.5010E 6	1.0495	3.42500	2.06300	2.45952	0.00200	0.0	0.14900	0.0	0.15100
3.5220E 6	1.0436	3.59700	2.24510	2.53956	0.00190	0.0	0.13600	0.0	0.13790
3.5440E 6	1.0373	3.57200	2.22610	2.51460	0.00190	0.0	0.12400	0.0	0.12590
3.5660E 6	1.0311	3.60100	2.25710	2.52211	0.00190	0.0	0.12100	0.0	0.12290

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.1850E 6	1.1441	1.07200	0.0	1.27920	0.41000	0.0	0.0	0.0	0.0
3.2040E 6	1.1382	1.09000	0.0	1.25220	0.41300	0.0	0.0	0.0	0.0
3.2220E 6	1.1326	1.10000	0.0	1.22910	0.41600	0.0	0.0	0.0	0.0
3.2410E 6	1.1267	1.11100	0.0	1.24010	0.42000	0.0	0.0	0.0	0.0
3.2610E 6	1.1206	1.12300	0.0	1.25210	0.42300	0.0	0.0	0.0	0.0
3.2800E 6	1.1147	1.12900	0.0	1.25810	0.42600	0.0	0.0	0.0	0.0
3.2990E 6	1.1090	1.13800	0.0	1.26710	0.43000	0.0	0.0	0.0	0.0
3.3180E 6	1.1032	1.14300	0.0	1.32110	0.43400	0.0	0.0	0.0	0.0
3.3370E 6	1.0975	1.15400	0.0	1.36610	0.43700	0.0	0.0	0.0	0.0
3.3570E 6	1.0915	1.16300	0.0	1.37500	0.44000	0.0	0.0	0.0	0.0
3.3780E 6	1.0853	1.17300	0.0	1.38500	0.44400	0.0	0.0	0.0	0.0
3.3980E 6	1.0794	1.18200	0.0	1.39100	0.44800	0.0	0.0	0.0	0.0
3.4180E 6	1.0735	1.18800	0.0	1.38500	0.45200	0.0	0.0	0.0	0.0
3.4380E 6	1.0677	1.19700	0.0	1.38200	0.45600	0.0	0.0	0.0	0.0
3.4600E 6	1.0613	1.20100	0.0	1.37400	0.46000	0.0	0.0	0.0	0.0
3.4800E 6	1.0556	1.20800	0.0	1.37000	0.46400	0.0	0.0	0.0	0.0
3.5010E 6	1.0495	1.21100	0.0	1.36200	0.46800	0.0	0.0	0.0	0.0
3.5220E 6	1.0436	1.21400	0.0	1.35190	0.47100	0.0	0.0	0.0	0.0
3.5440E 6	1.0373	1.22000	0.0	1.34590	0.47500	0.0	0.0	0.0	0.0
3.5660E 6	1.0311	1.22100	0.0	1.34390	0.47800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.5880E 6	1.0250	3.54200	2.19410	2.48444	0.00190	0.0	0.12100	0.0	0.12290
3.6100E 6	1.0189	3.51700	2.16310	2.46573	0.00190	0.0	0.12100	0.0	0.12290
3.6330E 6	1.0125	3.58800	2.22810	2.49623	0.00190	0.0	0.12300	0.0	0.12490
3.6540E 6	1.0068	3.49600	2.11010	2.45150	0.00190	0.0	0.14600	0.0	0.14790
3.6760E 6	1.0008	3.34000	1.93020	2.37683	0.00180	0.0	0.16800	0.0	0.16980
3.6990E 6	0.9945	3.33700	1.90220	2.38019	0.00180	0.0	0.19100	0.0	0.19280
3.7220E 6	0.9883	3.22100	1.76020	2.32682	0.00180	0.0	0.21600	0.0	0.21780
3.7450E 6	0.9822	3.37300	1.88820	2.40435	0.00180	0.0	0.23900	0.0	0.24080
3.7690E 6	0.9758	3.57000	2.05820	2.50385	0.00180	0.0	0.26300	0.0	0.26480
3.7930E 6	0.9694	3.55100	2.07420	2.46619	0.00180	0.0	0.22800	0.0	0.22980
3.8070E 6	0.9657	3.26000	1.77920	2.32058	0.00180	0.0	0.23000	0.0	0.23180
3.8170E 6	0.9631	3.73000	2.24920	2.53792	0.00180	0.0	0.23100	0.0	0.23280
3.8270E 6	0.9605	3.41000	1.92720	2.38473	0.00180	0.0	0.23300	0.0	0.23480
3.8370E 6	0.9579	3.38000	1.89720	2.36690	0.00180	0.0	0.23400	0.0	0.23580
3.8460E 6	0.9556	3.37000	1.88630	2.35894	0.00170	0.0	0.23500	0.0	0.23670
3.8560E 6	0.9530	3.40000	1.91230	2.37118	0.00170	0.0	0.23700	0.0	0.23870
3.8610E 6	0.9517	3.48000	1.99230	2.40416	0.00170	0.0	0.23700	0.0	0.23870
3.8710E 6	0.9491	3.54000	2.05230	2.42971	0.00170	0.0	0.23800	0.0	0.23970
3.8810E 6	0.9465	3.45000	1.96030	2.38556	0.00170	0.0	0.24000	0.0	0.24170
3.8910E 6	0.9439	3.47000	1.97930	2.39326	0.00170	0.0	0.24100	0.0	0.24270

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.5880E 6	1.0250	1.22500	0.0	1.34790	0.48200	0.0	0.0	0.0	0.0
3.6100E 6	1.0189	1.23100	0.0	1.35390	0.48600	0.0	0.0	0.0	0.0
3.6330E 6	1.0125	1.23500	0.0	1.35990	0.49000	0.0	0.0	0.0	0.0
3.6540E 6	1.0068	1.23800	0.0	1.38590	0.49500	0.0	0.0	0.0	0.0
3.6760E 6	1.0008	1.24000	0.0	1.40980	0.49900	0.0	0.0	0.0	0.0
3.6990E 6	0.9945	1.24200	0.0	1.43480	0.50300	0.0	0.0	0.0	0.0
3.7220E 6	0.9883	1.24300	0.0	1.46080	0.50800	0.0	0.0	0.0	0.0
3.7450E 6	0.9822	1.24400	0.0	1.48480	0.51300	0.0	0.0	0.0	0.0
3.7690E 6	0.9758	1.24700	0.0	1.51180	0.51800	0.0	0.0	0.0	0.0
3.7930E 6	0.9694	1.24700	0.0	1.47680	0.52300	0.0	0.0	0.0	0.0
3.8070E 6	0.9657	1.24900	0.0	1.48080	0.52800	0.0	0.0	0.0	0.0
3.8170E 6	0.9631	1.24800	0.0	1.48080	0.53000	0.0	0.0	0.0	0.0
3.8270E 6	0.9605	1.24800	0.0	1.48280	0.53200	0.0	0.0	0.0	0.0
3.8370E 6	0.9579	1.24700	0.0	1.48280	0.53400	0.0	0.0	0.0	0.0
3.8460E 6	0.9556	1.24700	0.0	1.48370	0.53600	0.0	0.0	0.0	0.0
3.8560E 6	0.9530	1.24900	0.0	1.48770	0.53800	0.0	0.0	0.0	0.0
3.8610E 6	0.9517	1.24900	0.0	1.48770	0.54000	0.0	0.0	0.0	0.0
3.8710E 6	0.9491	1.24800	0.0	1.48770	0.54100	0.0	0.0	0.0	0.0
3.8810E 6	0.9465	1.24800	0.0	1.48970	0.54300	0.0	0.0	0.0	0.0
3.8910E 6	0.9439	1.24800	0.0	1.49070	0.54400	0.0	0.0	0.0	0.0

MATERIAL NI NI -CS- 41

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.9010E 6	0.9414	3.34000	1.84930	2.33028	0.00170	0.0	0.24200	0.0	0.24370
3.9110E 6	0.9388	3.46000	1.96830	2.37940	0.00170	0.0	0.24400	0.0	0.24570
3.9200E 6	0.9365	3.30000	1.80830	2.30363	0.00170	0.0	0.24500	0.0	0.24670
3.9350E 6	0.9327	3.30000	1.80430	2.30042	0.00170	0.0	0.24700	0.0	0.24870
3.9450E 6	0.9301	3.36000	1.86530	2.32289	0.00170	0.0	0.24800	0.0	0.24970
3.9550E 6	0.9276	3.72000	2.22430	2.47662	0.00170	0.0	0.25000	0.0	0.25170
3.9640E 6	0.9253	3.33000	1.83230	2.30208	0.00170	0.0	0.25100	0.0	0.25270
3.9740E 6	0.9228	3.50000	2.00330	2.37014	0.00170	0.0	0.25200	0.0	0.25370
3.9840E 6	0.9203	3.36000	1.86030	2.30707	0.00170	0.0	0.25300	0.0	0.25470
3.9930E 6	0.9180	3.30000	1.80130	2.27506	0.00170	0.0	0.25400	0.0	0.25570
4.0000E 6	0.9163	3.45000	1.77890	2.44314	0.00170	0.0	0.29810	0.0	0.29980
4.0030E 6	0.9155	3.30000	1.79830	2.27317	0.00170	0.0	0.25500	0.0	0.25670
4.0120E 6	0.9133	3.30000	1.79830	2.26957	0.00170	0.0	0.25600	0.0	0.25770
4.0220E 6	0.9108	3.25000	1.74830	2.24473	0.00170	0.0	0.25700	0.0	0.25870
4.0320E 6	0.9083	3.24000	1.73830	2.23700	0.00170	0.0	0.25800	0.0	0.25970
4.0410E 6	0.9061	3.24000	1.73840	2.23347	0.00160	0.0	0.25900	0.0	0.26060
4.0510E 6	0.9036	3.32000	1.81740	2.26409	0.00160	0.0	0.26100	0.0	0.26260
4.0600E 6	0.9014	3.45000	1.94740	2.31467	0.00160	0.0	0.26200	0.0	0.26360
4.0700E 6	0.8989	3.33000	1.82740	2.26097	0.00160	0.0	0.26300	0.0	0.26460
4.0790E 6	0.8967	3.34000	1.83740	2.26145	0.00160	0.0	0.26400	0.0	0.26560

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.9010E 6	0.9414	1.24700	0.0	1.49070	0.54600	0.0	0.0	0.0	0.0
3.9110E 6	0.9388	1.24600	0.0	1.49170	0.54900	0.0	0.0	0.0	0.0
3.9200E 6	0.9365	1.24500	0.0	1.49170	0.55100	0.0	0.0	0.0	0.0
3.9350E 6	0.9327	1.24700	0.0	1.49570	0.55400	0.0	0.0	0.0	0.0
3.9450E 6	0.9301	1.24500	0.0	1.49470	0.55600	0.0	0.0	0.0	0.0
3.9550E 6	0.9276	1.24400	0.0	1.49570	0.55900	0.0	0.0	0.0	0.0
3.9640E 6	0.9253	1.24500	0.0	1.49770	0.56100	0.0	0.0	0.0	0.0
3.9740E 6	0.9228	1.24300	0.0	1.49670	0.56400	0.0	0.0	0.0	0.0
3.9840E 6	0.9203	1.24500	0.0	1.49970	0.56600	0.0	0.0	0.0	0.0
3.9930E 6	0.9180	1.24300	0.0	1.49870	0.56900	0.0	0.0	0.0	0.0
4.0000E 6	0.9163	1.37130	0.0	1.67110	0.56600	0.0	0.0	0.0	0.0
4.0030E 6	0.9155	1.24500	0.0	1.50170	0.57100	0.0	0.0	0.0	0.0
4.0120E 6	0.9133	1.24400	0.0	1.50170	0.57300	0.0	0.0	0.0	0.0
4.0220E 6	0.9108	1.24300	0.0	1.50170	0.57500	0.0	0.0	0.0	0.0
4.0320E 6	0.9083	1.24200	0.0	1.50170	0.57700	0.0	0.0	0.0	0.0
4.0410E 6	0.9061	1.24100	0.0	1.50160	0.57900	0.0	0.0	0.0	0.0
4.0510E 6	0.9036	1.24000	0.0	1.50260	0.58100	0.0	0.0	0.0	0.0
4.0600E 6	0.9014	1.23900	0.0	1.50260	0.58300	0.0	0.0	0.0	0.0
4.0700E 6	0.8989	1.23800	0.0	1.50260	0.58500	0.0	0.0	0.0	0.0
4.0790E 6	0.8967	1.23700	0.0	1.50260	0.58700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.0890E 6	0.8943	3.25000	1.74840	2.22019	0.00160	0.0	0.26500	0.0	0.26660
4.0980E 6	0.8921	3.30000	1.79840	2.23715	0.00160	0.0	0.26600	0.0	0.26760
4.1070E 6	0.8899	3.20000	1.69840	2.19285	0.00160	0.0	0.26700	0.0	0.26860
4.1170E 6	0.8875	3.26000	1.75840	2.21375	0.00160	0.0	0.26800	0.0	0.26960
4.1260E 6	0.8853	3.35000	1.84840	2.24651	0.00160	0.0	0.26900	0.0	0.27060
4.1360E 6	0.8829	3.45000	1.94740	2.28351	0.00160	0.0	0.27000	0.0	0.27160
4.1450E 6	0.8807	3.38000	1.87740	2.25356	0.00160	0.0	0.27100	0.0	0.27260
4.1540E 6	0.8785	3.26000	1.75640	2.20265	0.00160	0.0	0.27300	0.0	0.27460
4.1640E 6	0.8761	3.25000	1.74640	2.19517	0.00160	0.0	0.27400	0.0	0.27560
4.1730E 6	0.8739	3.28000	1.77640	2.20350	0.00160	0.0	0.27500	0.0	0.27660
4.1830E 6	0.8716	3.30000	1.79740	2.20718	0.00160	0.0	0.27600	0.0	0.27760
4.1920E 6	0.8694	3.18000	1.67840	2.15618	0.00160	0.0	0.27600	0.0	0.27760
4.2010E 6	0.8673	3.27000	1.76840	2.18951	0.00160	0.0	0.27700	0.0	0.27860
4.2100E 6	0.8651	3.56000	2.05740	2.29881	0.00160	0.0	0.27900	0.0	0.28060
4.2200E 6	0.8627	3.23000	1.72740	2.16765	0.00160	0.0	0.28000	0.0	0.28160
4.2290E 6	0.8606	3.37000	1.86740	2.21781	0.00160	0.0	0.28100	0.0	0.28260
4.2380E 6	0.8585	3.35000	1.84740	2.20831	0.00160	0.0	0.28200	0.0	0.28360
4.2480E 6	0.8561	3.68000	2.17740	2.33001	0.00160	0.0	0.28300	0.0	0.28460
4.2570E 6	0.8540	3.43000	1.92740	2.23116	0.00160	0.0	0.28400	0.0	0.28560
4.2660E 6	0.8519	3.50000	1.99740	2.25562	0.00160	0.0	0.28500	0.0	0.28660

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.0890E 6	0.8943	1.23500	0.0	1.50160	0.58900	0.0	0.0	0.0	0.0
4.0980E 6	0.8921	1.23400	0.0	1.50160	0.59100	0.0	0.0	0.0	0.0
4.1070E 6	0.8899	1.23300	0.0	1.50160	0.59300	0.0	0.0	0.0	0.0
4.1170E 6	0.8875	1.23200	0.0	1.50160	0.59500	0.0	0.0	0.0	0.0
4.1260E 6	0.8853	1.23100	0.0	1.50160	0.59700	0.0	0.0	0.0	0.0
4.1360E 6	0.8829	1.23100	0.0	1.50260	0.59900	0.0	0.0	0.0	0.0
4.1450E 6	0.8807	1.23000	0.0	1.50260	0.60000	0.0	0.0	0.0	0.0
4.1540E 6	0.8785	1.22900	0.0	1.50360	0.60200	0.0	0.0	0.0	0.0
4.1640E 6	0.8761	1.22800	0.0	1.50360	0.60400	0.0	0.0	0.0	0.0
4.1730E 6	0.8739	1.22700	0.0	1.50360	0.60600	0.0	0.0	0.0	0.0
4.1830E 6	0.8716	1.22500	0.0	1.50260	0.60800	0.0	0.0	0.0	0.0
4.1920E 6	0.8694	1.22400	0.0	1.50160	0.61000	0.0	0.0	0.0	0.0
4.2010E 6	0.8673	1.22300	0.0	1.50160	0.61100	0.0	0.0	0.0	0.0
4.2100E 6	0.8651	1.22200	0.0	1.50260	0.61300	0.0	0.0	0.0	0.0
4.2200E 6	0.8627	1.22100	0.0	1.50260	0.61500	0.0	0.0	0.0	0.0
4.2290E 6	0.8606	1.22000	0.0	1.50260	0.61700	0.0	0.0	0.0	0.0
4.2380E 6	0.8585	1.21900	0.0	1.50260	0.61800	0.0	0.0	0.0	0.0
4.2480E 6	0.8561	1.21800	0.0	1.50260	0.62000	0.0	0.0	0.0	0.0
4.2570E 6	0.8540	1.21700	0.0	1.50260	0.62200	0.0	0.0	0.0	0.0
4.2660E 6	0.8519	1.21600	0.0	1.50260	0.62300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.2750E 6	0.8498	3.71000	2.20750	2.33031	0.00150	0.0	0.28600	0.0	0.28750
4.2840E 6	0.8477	3.56000	2.05750	2.26995	0.00150	0.0	0.28700	0.0	0.28850
4.2930E 6	0.8456	3.26000	1.75750	2.15629	0.00150	0.0	0.28800	0.0	0.28950
4.3030E 6	0.8433	3.31000	1.80750	2.17128	0.00150	0.0	0.28900	0.0	0.29050
4.3120E 6	0.8412	3.30000	1.79750	2.16398	0.00150	0.0	0.29000	0.0	0.29150
4.3210E 6	0.8391	3.42000	1.91750	2.20431	0.00150	0.0	0.29100	0.0	0.29250
4.3300E 6	0.8370	3.56000	2.05750	2.25143	0.00150	0.0	0.29200	0.0	0.29350
4.3390E 6	0.8349	3.56000	2.05750	2.24732	0.00150	0.0	0.29300	0.0	0.29450
4.3480E 6	0.8329	3.48000	1.97750	2.21638	0.00150	0.0	0.29400	0.0	0.29550
4.3570E 6	0.8308	3.50000	1.99950	2.21832	0.00150	0.0	0.29400	0.0	0.29550
4.3660E 6	0.8287	3.51000	2.00950	2.21789	0.00150	0.0	0.29500	0.0	0.29650
4.3760E 6	0.8264	3.51000	2.00950	2.21387	0.00150	0.0	0.29600	0.0	0.29750
4.3850E 6	0.8244	3.41000	1.90950	2.17455	0.00150	0.0	0.29700	0.0	0.29850
4.3940E 6	0.8223	3.48000	1.97950	2.19530	0.00150	0.0	0.29800	0.0	0.29950
4.4030E 6	0.8203	3.50000	1.99950	2.20033	0.00150	0.0	0.29900	0.0	0.30050
4.4120E 6	0.8183	3.38000	1.87950	2.15457	0.00150	0.0	0.30000	0.0	0.30150
4.4210E 6	0.8162	3.58000	2.07950	2.22001	0.00150	0.0	0.30100	0.0	0.30250
4.4300E 6	0.8142	3.36000	1.85950	2.14017	0.00150	0.0	0.30200	0.0	0.30350
4.4390E 6	0.8122	3.46000	1.95950	2.17065	0.00150	0.0	0.30300	0.0	0.30450
4.4480E 6	0.8101	3.76000	2.25850	2.27165	0.00150	0.0	0.30400	0.0	0.30550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.2750E 6	0.8498	1.21500	0.0	1.50250	0.62500	0.0	0.0	0.0	0.0
4.2840E 6	0.8477	1.21400	0.0	1.50250	0.62700	0.0	0.0	0.0	0.0
4.2930E 6	0.8456	1.21300	0.0	1.50250	0.62800	0.0	0.0	0.0	0.0
4.3030E 6	0.8433	1.21200	0.0	1.50250	0.63000	0.0	0.0	0.0	0.0
4.3120E 6	0.8412	1.21100	0.0	1.50250	0.63200	0.0	0.0	0.0	0.0
4.3210E 6	0.8391	1.21000	0.0	1.50250	0.63400	0.0	0.0	0.0	0.0
4.3300E 6	0.8370	1.20900	0.0	1.50250	0.63600	0.0	0.0	0.0	0.0
4.3390E 6	0.8349	1.20800	0.0	1.50250	0.63800	0.0	0.0	0.0	0.0
4.3480E 6	0.8329	1.20700	0.0	1.50250	0.63900	0.0	0.0	0.0	0.0
4.3570E 6	0.8308	1.20500	0.0	1.50050	0.64100	0.0	0.0	0.0	0.0
4.3660E 6	0.8287	1.20400	0.0	1.50050	0.64300	0.0	0.0	0.0	0.0
4.3760E 6	0.8264	1.20300	0.0	1.50050	0.64500	0.0	0.0	0.0	0.0
4.3850E 6	0.8244	1.20200	0.0	1.50050	0.64700	0.0	0.0	0.0	0.0
4.3940E 6	0.8223	1.20100	0.0	1.50050	0.64900	0.0	0.0	0.0	0.0
4.4030E 6	0.8203	1.20000	0.0	1.50050	0.65000	0.0	0.0	0.0	0.0
4.4120E 6	0.8183	1.19900	0.0	1.50050	0.65200	0.0	0.0	0.0	0.0
4.4210E 6	0.8162	1.19800	0.0	1.50050	0.65400	0.0	0.0	0.0	0.0
4.4300E 6	0.8142	1.19700	0.0	1.50050	0.65600	0.0	0.0	0.0	0.0
4.4390E 6	0.8122	1.19600	0.0	1.50050	0.65800	0.0	0.0	0.0	0.0
4.4480E 6	0.8101	1.19600	0.0	1.50150	0.65900	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.4570E 6	0.8081	3.55000	2.04850	2.19594	0.00150	0.0	0.30500	0.0	0.30650
4.4660E 6	0.8061	3.69000	2.18950	2.23836	0.00150	0.0	0.30500	0.0	0.30650
4.4750E 6	0.8041	3.53000	2.02950	2.18038	0.00150	0.0	0.30600	0.0	0.30750
4.4840E 6	0.8021	3.63000	2.12950	2.20962	0.00150	0.0	0.30700	0.0	0.30850
4.4930E 6	0.8001	3.52000	2.01950	2.16895	0.00150	0.0	0.30800	0.0	0.30950
4.5020E 6	0.7981	3.49000	1.98950	2.15704	0.00150	0.0	0.30900	0.0	0.31050
4.5110E 6	0.7961	3.51000	2.00950	2.15962	0.00150	0.0	0.31000	0.0	0.31150
4.5200E 6	0.7941	3.38000	1.87950	2.11322	0.00150	0.0	0.31100	0.0	0.31250
4.5290E 6	0.7921	3.52000	2.01950	2.15684	0.00150	0.0	0.31200	0.0	0.31350
4.5370E 6	0.7903	3.53000	2.03050	2.15535	0.00150	0.0	0.31200	0.0	0.31350
4.5460E 6	0.7883	3.46000	1.96050	2.12882	0.00150	0.0	0.31300	0.0	0.31450
4.5510E 6	0.7872	3.51000	2.01050	2.14286	0.00150	0.0	0.31400	0.0	0.31550
4.5600E 6	0.7853	3.55000	2.05050	2.15156	0.00150	0.0	0.31500	0.0	0.31650
4.5690E 6	0.7833	3.50000	2.00050	2.13166	0.00150	0.0	0.31600	0.0	0.31750
4.5770E 6	0.7815	3.45000	1.95050	2.11391	0.00150	0.0	0.31700	0.0	0.31850
4.5860E 6	0.7796	3.38000	1.88050	2.08810	0.00150	0.0	0.31800	0.0	0.31950
4.5950E 6	0.7776	3.38000	1.88050	2.08622	0.00150	0.0	0.31900	0.0	0.32050
4.6040E 6	0.7757	3.39000	1.89150	2.08487	0.00150	0.0	0.31900	0.0	0.32050
4.6170E 6	0.7728	3.48000	1.98150	2.10880	0.00150	0.0	0.32000	0.0	0.32150
4.6260E 6	0.7709	3.39000	1.89150	2.07919	0.00150	0.0	0.32100	0.0	0.32250

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.4570E 6	0.8081	1.19500	0.0	1.50150	0.66100	0.0	0.0	0.0	0.0
4.4660E 6	0.8061	1.19400	0.0	1.50050	0.66300	0.0	0.0	0.0	0.0
4.4750E 6	0.8041	1.19300	0.0	1.50050	0.66500	0.0	0.0	0.0	0.0
4.4840E 6	0.8021	1.19200	0.0	1.50050	0.66700	0.0	0.0	0.0	0.0
4.4930E 6	0.8001	1.19100	0.0	1.50050	0.66900	0.0	0.0	0.0	0.0
4.5020E 6	0.7981	1.19000	0.0	1.50050	0.67000	0.0	0.0	0.0	0.0
4.5110E 6	0.7961	1.18900	0.0	1.50050	0.67200	0.0	0.0	0.0	0.0
4.5200E 6	0.7941	1.18800	0.0	1.50050	0.67400	0.0	0.0	0.0	0.0
4.5290E 6	0.7921	1.18700	0.0	1.50050	0.67500	0.0	0.0	0.0	0.0
4.5370E 6	0.7903	1.18600	0.0	1.49950	0.67700	0.0	0.0	0.0	0.0
4.5460E 6	0.7883	1.18500	0.0	1.49950	0.67900	0.0	0.0	0.0	0.0
4.5510E 6	0.7872	1.18400	0.0	1.49950	0.68000	0.0	0.0	0.0	0.0
4.5600E 6	0.7853	1.18300	0.0	1.49950	0.68200	0.0	0.0	0.0	0.0
4.5690E 6	0.7833	1.18200	0.0	1.49950	0.68400	0.0	0.0	0.0	0.0
4.5770E 6	0.7815	1.18100	0.0	1.49950	0.68500	0.0	0.0	0.0	0.0
4.5860E 6	0.7796	1.18000	0.0	1.49950	0.68700	0.0	0.0	0.0	0.0
4.5950E 6	0.7776	1.17900	0.0	1.49950	0.68800	0.0	0.0	0.0	0.0
4.6040E 6	0.7757	1.17800	0.0	1.49850	0.69000	0.0	0.0	0.0	0.0
4.6170E 6	0.7728	1.17700	0.0	1.49850	0.69200	0.0	0.0	0.0	0.0
4.6260E 6	0.7709	1.17600	0.0	1.49850	0.69300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.6350E 6	0.7689	3.49000	1.99150	2.10591	0.00150	0.0	0.32200	0.0	0.32350
4.6440E 6	0.7670	3.39000	1.89150	2.07162	0.00150	0.0	0.32300	0.0	0.32450
4.6520E 6	0.7653	3.36000	1.86150	2.06067	0.00150	0.0	0.32400	0.0	0.32550
4.6610E 6	0.7634	3.45000	1.95150	2.08395	0.00150	0.0	0.32500	0.0	0.32650
4.6700E 6	0.7614	3.48000	1.98150	2.09097	0.00150	0.0	0.32600	0.0	0.32750
4.6790E 6	0.7595	3.42000	1.92150	2.06919	0.00150	0.0	0.32700	0.0	0.32850
4.6880E 6	0.7576	3.56000	2.06250	2.10800	0.00150	0.0	0.32700	0.0	0.32850
4.6960E 6	0.7559	3.57000	2.07350	2.10611	0.00150	0.0	0.32800	0.0	0.32950
4.7050E 6	0.7540	3.42000	1.92360	2.05809	0.00140	0.0	0.32900	0.0	0.33040
4.7140E 6	0.7520	3.52000	2.02360	2.08324	0.00140	0.0	0.33000	0.0	0.33140
4.7230E 6	0.7501	3.48000	1.98360	2.06966	0.00140	0.0	0.33100	0.0	0.33240
4.7400E 6	0.7465	3.55000	2.05360	2.08578	0.00140	0.0	0.33200	0.0	0.33340
4.7490E 6	0.7447	3.53000	2.03360	2.07598	0.00140	0.0	0.33300	0.0	0.33440
4.7580E 6	0.7428	3.54000	2.04360	2.07678	0.00140	0.0	0.33400	0.0	0.33540
4.7660E 6	0.7411	3.38000	1.88360	2.02758	0.00140	0.0	0.33500	0.0	0.33640
4.7750E 6	0.7392	3.47000	1.97360	2.04901	0.00140	0.0	0.33600	0.0	0.33740
4.7840E 6	0.7373	3.47000	1.97460	2.04631	0.00140	0.0	0.33600	0.0	0.33740
4.7920E 6	0.7356	3.49000	1.99460	2.04790	0.00140	0.0	0.33700	0.0	0.33840
4.8010E 6	0.7338	3.47000	1.97460	2.03842	0.00140	0.0	0.33800	0.0	0.33940
4.8100E 6	0.7319	3.50000	2.00460	2.04266	0.00140	0.0	0.33900	0.0	0.34040

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.6350E 6	0.7689	1.17500	0.0	1.49850	0.69500	0.0	0.0	0.0	0.0
4.6440E 6	0.7670	1.17400	0.0	1.49850	0.69700	0.0	0.0	0.0	0.0
4.6520E 6	0.7653	1.17300	0.0	1.49850	0.69800	0.0	0.0	0.0	0.0
4.6610E 6	0.7634	1.17200	0.0	1.49850	0.70000	0.0	0.0	0.0	0.0
4.6700E 6	0.7614	1.17100	0.0	1.49850	0.70100	0.0	0.0	0.0	0.0
4.6790E 6	0.7595	1.17000	0.0	1.49850	0.70300	0.0	0.0	0.0	0.0
4.6880E 6	0.7576	1.16900	0.0	1.49750	0.70400	0.0	0.0	0.0	0.0
4.6960E 6	0.7559	1.16700	0.0	1.49650	0.70600	0.0	0.0	0.0	0.0
4.7050E 6	0.7540	1.16600	0.0	1.49640	0.70800	0.0	0.0	0.0	0.0
4.7140E 6	0.7520	1.16500	0.0	1.49640	0.71000	0.0	0.0	0.0	0.0
4.7230E 6	0.7501	1.16400	0.0	1.49640	0.71100	0.0	0.0	0.0	0.0
4.7400E 6	0.7465	1.16300	0.0	1.49640	0.71300	0.0	0.0	0.0	0.0
4.7490E 6	0.7447	1.16200	0.0	1.49640	0.71500	0.0	0.0	0.0	0.0
4.7580E 6	0.7428	1.16100	0.0	1.49640	0.71600	0.0	0.0	0.0	0.0
4.7660E 6	0.7411	1.16000	0.0	1.49640	0.71800	0.0	0.0	0.0	0.0
4.7750E 6	0.7392	1.15900	0.0	1.49640	0.72000	0.0	0.0	0.0	0.0
4.7840E 6	0.7373	1.15800	0.0	1.49540	0.72100	0.0	0.0	0.0	0.0
4.7920E 6	0.7356	1.15700	0.0	1.49540	0.72300	0.0	0.0	0.0	0.0
4.8010E 6	0.7338	1.15600	0.0	1.49540	0.72500	0.0	0.0	0.0	0.0
4.8100E 6	0.7319	1.15500	0.0	1.49540	0.72700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.8180E 6	0.7302	3.49000	1.99460	2.03793	0.00140	0.0	0.34000	0.0	0.34140
4.8270E 6	0.7284	3.53000	2.03560	2.04401	0.00140	0.0	0.34000	0.0	0.34140
4.8360E 6	0.7265	3.56000	2.06560	2.04798	0.00140	0.0	0.34100	0.0	0.34240
4.8440E 6	0.7248	3.47000	1.97560	2.02189	0.00140	0.0	0.34200	0.0	0.34340
4.8530E 6	0.7230	3.49000	1.99560	2.02323	0.00140	0.0	0.34300	0.0	0.34440
4.8620E 6	0.7211	3.42000	1.92660	2.00202	0.00140	0.0	0.34300	0.0	0.34440
4.8700E 6	0.7195	3.52000	2.02660	2.02437	0.00140	0.0	0.34400	0.0	0.34540
4.8790E 6	0.7176	3.35000	1.85660	1.97612	0.00140	0.0	0.34500	0.0	0.34640
4.8880E 6	0.7158	3.44000	1.94660	1.99757	0.00140	0.0	0.34600	0.0	0.34740
4.8960E 6	0.7142	3.54000	2.04760	2.01863	0.00140	0.0	0.34600	0.0	0.34740
4.9050E 6	0.7123	3.74000	2.24760	2.06554	0.00140	0.0	0.34700	0.0	0.34840
4.9130E 6	0.7107	3.43000	1.93760	1.98455	0.00140	0.0	0.34800	0.0	0.34940
4.9220E 6	0.7089	3.39000	1.89760	1.97060	0.00140	0.0	0.34900	0.0	0.35040
4.9310E 6	0.7070	3.37000	1.87760	1.96368	0.00140	0.0	0.35000	0.0	0.35140
4.9390E 6	0.7054	3.43000	1.93860	1.97411	0.00140	0.0	0.35000	0.0	0.35140
4.9480E 6	0.7036	3.40000	1.90860	1.96473	0.00140	0.0	0.35100	0.0	0.35240
4.9560E 6	0.7020	3.32000	1.82860	1.94124	0.00140	0.0	0.35200	0.0	0.35340
4.9650E 6	0.7002	3.49000	1.99860	1.98106	0.00140	0.0	0.35300	0.0	0.35440
4.9740E 6	0.6984	3.59000	2.09860	2.00136	0.00140	0.0	0.35400	0.0	0.35540
4.9820E 6	0.6968	3.47000	1.97960	1.96946	0.00140	0.0	0.35400	0.0	0.35540

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.8180E 6	0.7302	1.15400	0.0	1.49540	0.72800	0.0	0.0	0.0	0.0
4.8270E 6	0.7284	1.15300	0.0	1.49440	0.73000	0.0	0.0	0.0	0.0
4.8360E 6	0.7265	1.15200	0.0	1.49440	0.73200	0.0	0.0	0.0	0.0
4.8440E 6	0.7248	1.15100	0.0	1.49440	0.73300	0.0	0.0	0.0	0.0
4.8530E 6	0.7230	1.15000	0.0	1.49440	0.73500	0.0	0.0	0.0	0.0
4.8620E 6	0.7211	1.14900	0.0	1.49340	0.73600	0.0	0.0	0.0	0.0
4.8700E 6	0.7195	1.14800	0.0	1.49340	0.73800	0.0	0.0	0.0	0.0
4.8790E 6	0.7176	1.14700	0.0	1.49340	0.74000	0.0	0.0	0.0	0.0
4.8880E 6	0.7158	1.14600	0.0	1.49340	0.74100	0.0	0.0	0.0	0.0
4.8960E 6	0.7142	1.14500	0.0	1.49240	0.74300	0.0	0.0	0.0	0.0
4.9050E 6	0.7123	1.14400	0.0	1.49240	0.74500	0.0	0.0	0.0	0.0
4.9130E 6	0.7107	1.14300	0.0	1.49240	0.74600	0.0	0.0	0.0	0.0
4.9220E 6	0.7089	1.14200	0.0	1.49240	0.74800	0.0	0.0	0.0	0.0
4.9310E 6	0.7070	1.14100	0.0	1.49240	0.74900	0.0	0.0	0.0	0.0
4.9390E 6	0.7054	1.14000	0.0	1.49140	0.75100	0.0	0.0	0.0	0.0
4.9480E 6	0.7036	1.13900	0.0	1.49140	0.75200	0.0	0.0	0.0	0.0
4.9560E 6	0.7020	1.13800	0.0	1.49140	0.75400	0.0	0.0	0.0	0.0
4.9650E 6	0.7002	1.13700	0.0	1.49140	0.75500	0.0	0.0	0.0	0.0
4.9740E 6	0.6984	1.13600	0.0	1.49140	0.75700	0.0	0.0	0.0	0.0
4.9820E 6	0.6968	1.13500	0.0	1.49040	0.75800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.9910E 6	0.6949	3.59000	2.09960	1.99430	0.00140	0.0	0.35500	0.0	0.35640
4.9990E 6	0.6933	3.52000	2.02960	1.97547	0.00140	0.0	0.35600	0.0	0.35740
5.0080E 6	0.6915	3.59000	2.10050	1.99152	0.00140	0.0	0.35600	0.00010	0.35750
5.0160E 6	0.6900	3.63000	2.14050	1.99894	0.00140	0.0	0.35700	0.00010	0.35850
5.0250E 6	0.6882	3.14000	1.65050	1.88232	0.00140	0.0	0.35800	0.00010	0.35950
5.0330E 6	0.6866	3.43000	1.93950	1.95016	0.00140	0.0	0.35900	0.00010	0.36050
5.0420E 6	0.6848	3.49000	2.00040	1.96369	0.00140	0.0	0.35900	0.00020	0.36060
5.0500E 6	0.6832	3.52000	2.03040	1.97080	0.00140	0.0	0.36000	0.00020	0.36160
5.0590E 6	0.6814	3.63000	2.14040	1.99473	0.00140	0.0	0.36100	0.00020	0.36260
5.0670E 6	0.6798	3.63000	2.14040	1.99473	0.00140	0.0	0.36200	0.00020	0.36360
5.0760E 6	0.6781	3.58000	2.08930	1.98169	0.00140	0.0	0.36300	0.00030	0.36470
5.0840E 6	0.6765	3.60000	2.11030	1.98562	0.00140	0.0	0.36300	0.00030	0.36470
5.0930E 6	0.6747	3.57000	2.08020	1.97657	0.00140	0.0	0.36400	0.00040	0.36580
5.1010E 6	0.6731	3.51000	2.02020	1.96253	0.00140	0.0	0.36500	0.00040	0.36680
5.1100E 6	0.6714	3.81000	2.32020	2.03273	0.00140	0.0	0.36600	0.00040	0.36780
5.1180E 6	0.6698	3.67000	2.18020	1.99779	0.00140	0.0	0.36600	0.00040	0.36780
5.1270E 6	0.6681	3.64000	2.15010	1.99087	0.00140	0.0	0.36700	0.00050	0.36890
5.1350E 6	0.6665	3.45000	1.96010	1.94660	0.00140	0.0	0.36800	0.00050	0.36990
5.1440E 6	0.6648	3.49000	2.00010	1.95392	0.00140	0.0	0.36900	0.00050	0.37090
5.1520E 6	0.6632	3.49000	2.00010	1.95392	0.00140	0.0	0.36900	0.00050	0.37090

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.9910E 6	0.6949	1.13400	0.0	1.49040	0.76000	0.0	0.0	0.0	0.0
4.9990E 6	0.6933	1.13300	0.0	1.49040	0.76100	0.0	0.0	0.0	0.0
5.0080E 6	0.6915	1.13200	0.0	1.48950	0.76100	0.0	0.0	0.0	0.0
5.0160E 6	0.6900	1.13100	0.0	1.48950	0.76200	0.0	0.0	0.0	0.0
5.0250E 6	0.6882	1.13000	0.0	1.48950	0.76200	0.0	0.0	0.0	0.0
5.0330E 6	0.6866	1.13000	0.0	1.49050	0.76300	0.0	0.0	0.0	0.0
5.0420E 6	0.6848	1.12900	0.0	1.48960	0.76300	0.0	0.0	0.0	0.0
5.0500E 6	0.6832	1.12800	0.0	1.48960	0.76300	0.0	0.0	0.0	0.0
5.0590E 6	0.6814	1.12700	0.0	1.48960	0.76400	0.0	0.0	0.0	0.0
5.0670E 6	0.6798	1.12600	0.0	1.48960	0.76400	0.0	0.0	0.0	0.0
5.0760E 6	0.6781	1.12600	0.0	1.49070	0.76500	0.0	0.0	0.0	0.0
5.0840E 6	0.6765	1.12500	0.0	1.48970	0.76500	0.0	0.0	0.0	0.0
5.0930E 6	0.6747	1.12400	0.0	1.48980	0.76600	0.0	0.0	0.0	0.0
5.1010E 6	0.6731	1.12300	0.0	1.48980	0.76600	0.0	0.0	0.0	0.0
5.1100E 6	0.6714	1.12200	0.0	1.48980	0.76600	0.0	0.0	0.0	0.0
5.1180E 6	0.6698	1.12200	0.0	1.48980	0.76700	0.0	0.0	0.0	0.0
5.1270E 6	0.6681	1.12100	0.0	1.48990	0.76700	0.0	0.0	0.0	0.0
5.1350E 6	0.6665	1.12000	0.0	1.48990	0.76700	0.0	0.0	0.0	0.0
5.1440E 6	0.6648	1.11900	0.0	1.48990	0.76800	0.0	0.0	0.0	0.0
5.1520E 6	0.6632	1.11900	0.0	1.48990	0.76800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.1610E 6	0.6615	3.41000	1.92000	1.93544	0.00140	0.0	0.37000	0.00060	0.37200
5.1690E 6	0.6599	3.53000	2.04000	1.96328	0.00140	0.0	0.37100	0.00060	0.37300
5.1780E 6	0.6582	3.26000	1.77100	1.89810	0.00140	0.0	0.37100	0.00060	0.37300
5.1860E 6	0.6566	3.49000	2.00100	1.95123	0.00140	0.0	0.37200	0.00060	0.37400
5.1950E 6	0.6549	3.57000	2.08090	1.96979	0.00140	0.0	0.37300	0.00070	0.37510
5.2270E 6	0.6487	3.72000	2.23180	2.00151	0.00140	0.0	0.37500	0.00080	0.37720
5.2660E 6	0.6413	3.65000	2.15980	1.98479	0.00130	0.0	0.37900	0.00090	0.38120
5.3070E 6	0.6336	3.67000	2.17860	1.99030	0.00130	0.0	0.38200	0.00110	0.38440
5.3470E 6	0.6260	3.58200	2.08950	1.96891	0.00130	0.0	0.38500	0.00120	0.38750
5.3870E 6	0.6186	3.67300	2.17840	1.98910	0.00130	0.0	0.38900	0.00130	0.39160
5.4270E 6	0.6112	3.76800	2.28220	1.99930	0.00130	0.0	0.39200	0.00150	0.39480
5.4670E 6	0.6039	3.60400	2.11910	1.95958	0.00130	0.0	0.39500	0.00160	0.39790
5.5090E 6	0.5962	3.72800	2.24400	1.98441	0.00130	0.0	0.39800	0.00170	0.40100
5.5520E 6	0.5884	3.77800	2.29580	1.99187	0.00130	0.0	0.40100	0.00190	0.40420
5.5950E 6	0.5807	3.64800	2.16770	1.95936	0.00130	0.0	0.40300	0.00200	0.40630
5.6400E 6	0.5727	3.72300	2.24450	1.97229	0.00130	0.0	0.40500	0.00220	0.40850
5.6850E 6	0.5648	3.63400	2.15840	1.94829	0.00130	0.0	0.40700	0.00230	0.41060
5.7290E 6	0.5570	3.86800	2.39320	1.99652	0.00130	0.0	0.41000	0.00250	0.41380
5.7730E 6	0.5494	3.82300	2.35110	1.98209	0.00130	0.0	0.41200	0.00260	0.41590
5.8180E 6	0.5416	3.74900	2.27900	1.96226	0.00120	0.0	0.41400	0.00280	0.41800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.1610E 6	0.6615	1.11800	0.0	1.49000	0.76800	0.0	0.0	0.0	0.0
5.1690E 6	0.6599	1.11700	0.0	1.49000	0.76800	0.0	0.0	0.0	0.0
5.1780E 6	0.6582	1.11600	0.0	1.48900	0.76900	0.0	0.0	0.0	0.0
5.1860E 6	0.6566	1.11500	0.0	1.48900	0.76900	0.0	0.0	0.0	0.0
5.1950E 6	0.6549	1.11400	0.0	1.48910	0.76900	0.0	0.0	0.0	0.0
5.2270E 6	0.6487	1.11100	0.0	1.48820	0.77000	0.0	0.0	0.0	0.0
5.2660E 6	0.6413	1.10900	0.0	1.49020	0.77100	0.0	0.0	0.0	0.0
5.3070E 6	0.6336	1.10700	0.0	1.49140	0.77100	0.0	0.0	0.0	0.0
5.3470E 6	0.6260	1.10500	0.0	1.49250	0.77200	0.0	0.0	0.0	0.0
5.3870E 6	0.6186	1.10300	0.0	1.49460	0.77300	0.0	0.0	0.0	0.0
5.4270E 6	0.6112	1.09100	0.0	1.48580	0.77500	0.0	0.0	0.0	0.0
5.4670E 6	0.6039	1.08700	0.0	1.48490	0.77600	0.0	0.0	0.0	0.0
5.5090E 6	0.5962	1.08300	0.0	1.48400	0.77700	0.0	0.0	0.0	0.0
5.5520E 6	0.5884	1.07800	0.0	1.48220	0.77800	0.0	0.0	0.0	0.0
5.5950E 6	0.5807	1.07400	0.0	1.48030	0.77900	0.0	0.0	0.0	0.0
5.6400E 6	0.5727	1.07000	0.0	1.47850	0.78000	0.0	0.0	0.0	0.0
5.6850E 6	0.5648	1.06500	0.0	1.47560	0.78100	0.0	0.0	0.0	0.0
5.7290E 6	0.5570	1.06100	0.0	1.47480	0.78200	0.0	0.0	0.0	0.0
5.7730E 6	0.5494	1.05600	0.0	1.47190	0.78300	0.0	0.0	0.0	0.0
5.8180E 6	0.5416	1.05200	0.0	1.47000	0.78400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.8690E 6	0.5329	3.81100	2.34390	1.97104	0.00120	0.0	0.41600	0.00290	0.42010
5.9190E 6	0.5244	3.61700	2.15270	1.92498	0.00120	0.0	0.41800	0.00310	0.42230
5.9690E 6	0.5160	3.53500	2.07150	1.90473	0.00120	0.0	0.42100	0.00330	0.42550
6.0210E 6	0.5073	3.71900	2.25840	1.93938	0.00120	0.0	0.42300	0.00340	0.42760
6.0710E 6	0.4991	3.68100	2.22220	1.92768	0.00120	0.0	0.42500	0.00360	0.42980
6.1210E 6	0.4909	3.49400	2.03800	1.88398	0.00120	0.0	0.42700	0.00380	0.43200
6.1710E 6	0.4827	3.58100	2.12680	1.89870	0.00120	0.0	0.42900	0.00400	0.43420
6.2210E 6	0.4747	3.70800	2.25660	1.92077	0.00120	0.0	0.43100	0.00420	0.43640
6.2750E 6	0.4660	3.85500	2.40540	1.94752	0.00120	0.0	0.43300	0.00440	0.43860
6.3290E 6	0.4574	3.71600	2.26920	1.91426	0.00120	0.0	0.43500	0.00460	0.44080
6.3830E 6	0.4489	3.49600	2.05110	1.86538	0.00110	0.0	0.43700	0.00480	0.44290
6.4360E 6	0.4407	3.52900	2.08590	1.86862	0.00110	0.0	0.43900	0.00500	0.44510
6.4880E 6	0.4326	3.46700	2.02670	1.85172	0.00110	0.0	0.44100	0.00520	0.44730
6.5430E 6	0.4242	3.38500	1.94650	1.83169	0.00110	0.0	0.44300	0.00540	0.44950
6.5990E 6	0.4157	3.67900	2.24430	1.88580	0.00110	0.0	0.44400	0.00560	0.45070
6.6540E 6	0.4074	3.88600	2.45310	1.92352	0.00110	0.0	0.44600	0.00580	0.45290
6.7120E 6	0.3987	3.63200	2.20290	1.86748	0.00110	0.0	0.44700	0.00600	0.45410
6.7700E 6	0.3901	3.64300	2.21670	1.86521	0.00110	0.0	0.44900	0.00620	0.45630
6.8260E 6	0.3818	3.41100	1.98850	1.81423	0.00100	0.0	0.45000	0.00650	0.45750
6.8860E 6	0.3731	3.54400	2.12530	1.83738	0.00100	0.0	0.45100	0.00670	0.45870

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.8690E 6	0.5329	1.04700	0.0	1.46710	0.78500	0.0	0.0	0.0	0.0
5.9190E 6	0.5244	1.04200	0.0	1.46430	0.78600	0.0	0.0	0.0	0.0
5.9690E 6	0.5160	1.03800	0.0	1.46350	0.78700	0.0	0.0	0.0	0.0
6.0210E 6	0.5073	1.03300	0.0	1.46060	0.78800	0.0	0.0	0.0	0.0
6.0710E 6	0.4991	1.02900	0.0	1.45880	0.78900	0.0	0.0	0.0	0.0
6.1210E 6	0.4909	1.02400	0.0	1.45600	0.79000	0.0	0.0	0.0	0.0
6.1710E 6	0.4827	1.02000	0.0	1.45420	0.79100	0.0	0.0	0.0	0.0
6.2210E 6	0.4747	1.01500	0.0	1.45140	0.79200	0.0	0.0	0.0	0.0
6.2750E 6	0.4660	1.01100	0.0	1.44960	0.79300	0.0	0.0	0.0	0.0
6.3290E 6	0.4574	1.00600	0.0	1.44680	0.79400	0.0	0.0	0.0	0.0
6.3830E 6	0.4489	1.00200	0.0	1.44490	0.79500	0.0	0.0	0.0	0.0
6.4360E 6	0.4407	0.99800	0.0	1.44310	0.79600	0.0	0.0	0.0	0.0
6.4880E 6	0.4326	0.99300	0.0	1.44030	0.79700	0.0	0.0	0.0	0.0
6.5430E 6	0.4242	0.98900	0.0	1.43850	0.79800	0.0	0.0	0.0	0.0
6.5990E 6	0.4157	0.98400	0.0	1.43470	0.79900	0.0	0.0	0.0	0.0
6.6540E 6	0.4074	0.98000	0.0	1.43290	0.80000	0.0	0.0	0.0	0.0
6.7120E 6	0.3987	0.97500	0.0	1.42910	0.80100	0.0	0.0	0.0	0.0
6.7700E 6	0.3901	0.97000	0.0	1.42630	0.80200	0.0	0.0	0.0	0.0
6.8260E 6	0.3818	0.96500	0.0	1.42250	0.80300	0.0	0.0	0.0	0.0
6.8860E 6	0.3731	0.96000	0.0	1.41870	0.80300	0.0	0.0	0.0	0.0

MATERIAL NI

NI -CS- 50

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.9460E 6	0.3644	3.69200	2.27610	1.86202	0.00100	0.0	0.45300	0.00690	0.46090
7.0050E 6	0.3560	3.58900	2.17690	1.83660	0.00100	0.0	0.45400	0.00710	0.46210
7.0660E 6	0.3473	3.60000	2.18970	1.83729	0.00100	0.0	0.45500	0.00730	0.46330
7.1290E 6	0.3384	3.57100	2.16150	1.82883	0.00100	0.0	0.45600	0.00750	0.46450
7.1920E 6	0.3296	3.67200	2.26420	1.84479	0.00100	0.0	0.45700	0.00780	0.46580
7.2560E 6	0.3208	3.34600	1.94000	1.77848	0.00100	0.0	0.45800	0.00800	0.46700
7.3210E 6	0.3118	3.61400	2.20880	1.82708	0.00100	0.0	0.45900	0.00820	0.46820
7.3870E 6	0.3029	3.76200	2.35850	1.85162	0.00100	0.0	0.46000	0.00850	0.46950
7.4540E 6	0.2938	3.75400	2.35340	1.84539	0.00090	0.0	0.46100	0.00870	0.47060
7.5220E 6	0.2848	3.76400	2.36510	1.84354	0.00090	0.0	0.46200	0.00900	0.47190
7.5910E 6	0.2756	3.54100	2.14490	1.79934	0.00090	0.0	0.46300	0.00920	0.47310
7.6620E 6	0.2663	3.39700	2.00260	1.76889	0.00090	0.0	0.46400	0.00950	0.47440
7.7320E 6	0.2572	3.52300	2.13140	1.78804	0.00090	0.0	0.46400	0.00970	0.47460
7.8010E 6	0.2483	3.57700	2.18710	1.79451	0.00090	0.0	0.46500	0.01000	0.47590
7.8720E 6	0.2393	3.51400	2.12590	1.77927	0.00090	0.0	0.46600	0.01020	0.47710
7.9460E 6	0.2299	3.47800	2.09260	1.77044	0.00090	0.0	0.46600	0.01050	0.47740
8.0230E 6	0.2203	3.41700	2.03330	1.75579	0.00090	0.0	0.46700	0.01080	0.47870
8.1020E 6	0.2105	3.46000	2.07810	1.76011	0.00080	0.0	0.46800	0.01110	0.47990
8.1770E 6	0.2013	3.38400	2.00380	1.74289	0.00080	0.0	0.46800	0.01140	0.48020
8.2500E 6	0.1924	3.51500	2.13640	1.76315	0.00080	0.0	0.46900	0.01180	0.48160

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.9460E 6	0.3644	0.95500	0.0	1.41590	0.80400	0.0	0.0	0.0	0.0
7.0050E 6	0.3560	0.95000	0.0	1.41210	0.80500	0.0	0.0	0.0	0.0
7.0660E 6	0.3473	0.94700	0.0	1.41030	0.80500	0.0	0.0	0.0	0.0
7.1290E 6	0.3384	0.94500	0.0	1.40950	0.80600	0.0	0.0	0.0	0.0
7.1920E 6	0.3296	0.94200	0.0	1.40780	0.80700	0.0	0.0	0.0	0.0
7.2560E 6	0.3208	0.93900	0.0	1.40600	0.80800	0.0	0.0	0.0	0.0
7.3210E 6	0.3118	0.93700	0.0	1.40520	0.80900	0.0	0.0	0.0	0.0
7.3870E 6	0.3029	0.93400	0.0	1.40350	0.81000	0.0	0.0	0.0	0.0
7.4540E 6	0.2938	0.93000	0.0	1.40060	0.81100	0.0	0.0	0.0	0.0
7.5220E 6	0.2848	0.92700	0.0	1.39890	0.81200	0.0	0.0	0.0	0.0
7.5910E 6	0.2756	0.92300	0.0	1.39610	0.81200	0.0	0.0	0.0	0.0
7.6620E 6	0.2663	0.92000	0.0	1.39440	0.81300	0.0	0.0	0.0	0.0
7.7320E 6	0.2572	0.91700	0.0	1.39160	0.81400	0.0	0.0	0.0	0.0
7.8010E 6	0.2483	0.91400	0.0	1.38990	0.81500	0.0	0.0	0.0	0.0
7.8720E 6	0.2393	0.91100	0.0	1.38810	0.81600	0.0	0.0	0.0	0.0
7.9460E 6	0.2299	0.90800	0.0	1.38540	0.81600	0.0	0.0	0.0	0.0
8.0230E 6	0.2203	0.90500	0.0	1.38370	0.81700	0.0	0.0	0.0	0.0
8.1020E 6	0.2105	0.90200	0.0	1.38190	0.81800	0.0	0.0	0.0	0.0
8.1770E 6	0.2013	0.90000	0.0	1.38020	0.81900	0.0	0.0	0.0	0.0
8.2500E 6	0.1924	0.89700	0.0	1.37860	0.82000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.3270E 6	0.1831	3.26600	1.88910	1.71694	0.00080	0.0	0.46900	0.01210	0.48190
8.4080E 6	0.1734	3.49900	2.12270	1.75626	0.00080	0.0	0.47000	0.01250	0.48330
8.4880E 6	0.1639	3.21900	1.84440	1.70290	0.00080	0.0	0.47000	0.01280	0.48360
8.5690E 6	0.1544	3.31500	1.94110	1.71747	0.00080	0.0	0.47100	0.01310	0.48490
8.6500E 6	0.1450	3.40200	2.02970	1.73156	0.00080	0.0	0.47100	0.01350	0.48530
8.7350E 6	0.1352	3.43900	2.06740	1.73546	0.00080	0.0	0.47200	0.01380	0.48660
8.8200E 6	0.1256	3.44800	2.07800	1.73365	0.00080	0.0	0.47200	0.01420	0.48700
8.9060E 6	0.1159	3.20100	1.83160	1.68993	0.00080	0.0	0.47300	0.01460	0.48840
8.9950E 6	0.1059	3.17600	1.80820	1.68243	0.00080	0.0	0.47300	0.01500	0.48880
9.0830E 6	0.0962	3.25300	1.88590	1.69336	0.00080	0.0	0.47300	0.01530	0.48910
9.1730E 6	0.0863	3.33400	1.96650	1.70770	0.00080	0.0	0.47300	0.01570	0.48950
9.2630E 6	0.0766	3.22700	1.85920	1.68758	0.00070	0.0	0.47300	0.01610	0.48980
9.3530E 6	0.0669	3.20800	1.84090	1.68189	0.00070	0.0	0.47200	0.01640	0.48910
9.4460E 6	0.0570	3.54500	2.17750	1.73768	0.00070	0.0	0.47200	0.01680	0.48950
9.5400E 6	0.0471	3.15700	1.78910	1.67026	0.00070	0.0	0.47200	0.01720	0.48990
9.6360E 6	0.0371	3.35900	1.99070	1.70473	0.00070	0.0	0.47200	0.01760	0.49030
9.7370E 6	0.0267	3.37800	2.01030	1.70543	0.00070	0.0	0.47100	0.01800	0.48970
9.8470E 6	0.0154	3.22300	1.85490	1.67787	0.00070	0.0	0.47100	0.01840	0.49010
9.9540E 6	0.0046	3.04200	1.67450	1.64714	0.00070	0.0	0.47000	0.01880	0.48950
10.0000E 6	0.0000	3.19600	1.82820	1.67128	0.00070	0.0	0.47000	0.01910	0.48980

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.3270E 6	0.1831	0.89500	0.0	1.37690	0.82000	0.0	0.0	0.0	0.0
8.4080E 6	0.1734	0.89300	0.0	1.37630	0.82100	0.0	0.0	0.0	0.0
8.4880E 6	0.1639	0.89100	0.0	1.37460	0.82200	0.0	0.0	0.0	0.0
8.5690E 6	0.1544	0.88900	0.0	1.37390	0.82300	0.0	0.0	0.0	0.0
8.6500E 6	0.1450	0.88700	0.0	1.37230	0.82300	0.0	0.0	0.0	0.0
8.7350E 6	0.1352	0.88500	0.0	1.37160	0.82400	0.0	0.0	0.0	0.0
8.8200E 6	0.1256	0.88300	0.0	1.37000	0.82500	0.0	0.0	0.0	0.0
8.9060E 6	0.1159	0.88100	0.0	1.36940	0.82500	0.0	0.0	0.0	0.0
8.9950E 6	0.1059	0.87900	0.0	1.36780	0.82600	0.0	0.0	0.0	0.0
9.0830E 6	0.0962	0.87800	0.0	1.36710	0.82700	0.0	0.0	0.0	0.0
9.1730E 6	0.0863	0.87800	0.0	1.36750	0.82700	0.0	0.0	0.0	0.0
9.2630E 6	0.0766	0.87800	0.0	1.36780	0.82800	0.0	0.0	0.0	0.0
9.3530E 6	0.0669	0.87800	0.0	1.36710	0.82900	0.0	0.0	0.0	0.0
9.4460E 6	0.0570	0.87800	0.0	1.36750	0.83000	0.0	0.0	0.0	0.0
9.5400E 6	0.0471	0.87800	0.0	1.36790	0.83100	0.0	0.0	0.0	0.0
9.6360E 6	0.0371	0.87800	0.0	1.36830	0.83100	0.0	0.0	0.0	0.0
9.7370E 6	0.0267	0.87800	0.0	1.36770	0.83200	0.0	0.0	0.0	0.0
9.8470E 6	0.0154	0.87800	0.0	1.36810	0.83300	0.0	0.0	0.0	0.0
9.9540E 6	0.0046	0.87800	0.0	1.36750	0.83300	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	0.87800	0.0	1.36780	0.83400	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 1

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	18.59100	5.01000	18.55593	13.58100	0.0	0.0	0.0	13.58100
1.5000E-3	22.6204	16.09900	5.01000	16.06393	11.08900	0.0	0.0	0.0	11.08900
2.0000E-3	22.3327	14.61300	5.01000	14.57793	9.60300	0.0	0.0	0.0	9.60300
2.5000E-3	22.1096	13.59900	5.01000	13.56393	8.58900	0.0	0.0	0.0	8.58900
3.0000E-3	21.9272	12.85100	5.01000	12.81593	7.84100	0.0	0.0	0.0	7.84100
4.0000E-3	21.6396	11.80000	5.01000	11.76493	6.79000	0.0	0.0	0.0	6.79000
5.0000E-3	21.4164	11.08300	5.01000	11.04793	6.07300	0.0	0.0	0.0	6.07300
6.0000E-3	21.2341	10.55400	5.01000	10.51893	5.54400	0.0	0.0	0.0	5.54400
7.0000E-3	21.0799	10.14300	5.01000	10.10793	5.13300	0.0	0.0	0.0	5.13300
8.0000E-3	20.9464	9.81200	5.01000	9.77693	4.80200	0.0	0.0	0.0	4.80200
9.0000E-3	20.8286	9.53700	5.01000	9.50193	4.52700	0.0	0.0	0.0	4.52700
10.0000E-3	20.7233	9.30460	5.01000	9.26953	4.29460	0.0	0.0	0.0	4.29460
15.0000E-3	20.3178	8.51670	5.01000	8.48163	3.50670	0.0	0.0	0.0	3.50670
20.0000E-3	20.0301	8.04680	5.01000	8.01173	3.03680	0.0	0.0	0.0	3.03680
25.3000E-3	19.7950	7.71000	5.01000	7.67493	2.70000	0.0	0.0	0.0	2.70000
30.0000E-3	19.6247	7.48940	5.01000	7.45433	2.47940	0.0	0.0	0.0	2.47940
40.0000E-3	19.3370	7.15730	5.01000	7.12223	2.14730	0.0	0.0	0.0	2.14730
50.0000E-3	19.1138	6.93060	5.01000	6.89553	1.92060	0.0	0.0	0.0	1.92060
60.0000E-3	18.9315	6.76330	5.01000	6.72823	1.75330	0.0	0.0	0.0	1.75330
70.0000E-3	18.7774	6.63320	5.01000	6.59813	1.62320	0.0	0.0	0.0	1.62320

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	13.58100	0.00700	0.0	0.0	0.0	0.0
1.5000E-3	22.6204	0.0	0.0	11.08900	0.00700	0.0	0.0	0.0	0.0
2.0000E-3	22.3327	0.0	0.0	9.60300	0.00700	0.0	0.0	0.0	0.0
2.5000E-3	22.1096	0.0	0.0	8.58900	0.00700	0.0	0.0	0.0	0.0
3.0000E-3	21.9272	0.0	0.0	7.84100	0.00700	0.0	0.0	0.0	0.0
4.0000E-3	21.6396	0.0	0.0	6.79000	0.00700	0.0	0.0	0.0	0.0
5.0000E-3	21.4164	0.0	0.0	6.07300	0.00700	0.0	0.0	0.0	0.0
6.0000E-3	21.2341	0.0	0.0	5.54400	0.00700	0.0	0.0	0.0	0.0
7.0000E-3	21.0799	0.0	0.0	5.13300	0.00700	0.0	0.0	0.0	0.0
8.0000E-3	20.9464	0.0	0.0	4.80200	0.00700	0.0	0.0	0.0	0.0
9.0000E-3	20.8286	0.0	0.0	4.52700	0.00700	0.0	0.0	0.0	0.0
10.0000E-3	20.7233	0.0	0.0	4.29460	0.00700	0.0	0.0	0.0	0.0
15.0000E-3	20.3178	0.0	0.0	3.50670	0.00700	0.0	0.0	0.0	0.0
20.0000E-3	20.0301	0.0	0.0	3.03680	0.00700	0.0	0.0	0.0	0.0
25.3000E-3	19.7950	0.0	0.0	2.70000	0.00700	0.0	0.0	0.0	0.0
30.0000E-3	19.6247	0.0	0.0	2.47940	0.00700	0.0	0.0	0.0	0.0
40.0000E-3	19.3370	0.0	0.0	2.14730	0.00700	0.0	0.0	0.0	0.0
50.0000E-3	19.1138	0.0	0.0	1.92060	0.00700	0.0	0.0	0.0	0.0
60.0000E-3	18.9315	0.0	0.0	1.75330	0.00700	0.0	0.0	0.0	0.0
70.0000E-3	18.7774	0.0	0.0	1.62320	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E-3	18.6438	6.52840	5.01000	6.49333	1.51840	0.0	0.0	0.0	1.51840
90.0000E-3	18.5260	6.44150	5.01000	6.40643	1.43150	0.0	0.0	0.0	1.43150
100.0000E-3	18.4207	6.36810	5.01000	6.33303	1.35810	0.0	0.0	0.0	1.35810
150.0000E-3	18.0152	6.11890	5.01000	6.08383	1.10890	0.0	0.0	0.0	1.10890
200.0000E-3	17.7275	5.96930	5.00900	5.93424	0.96030	0.0	0.0	0.0	0.96030
250.0000E-3	17.5044	5.86790	5.00900	5.83284	0.85890	0.0	0.0	0.0	0.85890
300.0000E-3	17.3221	5.79310	5.00900	5.75804	0.78410	0.0	0.0	0.0	0.78410
400.0000E-3	17.0344	5.68700	5.00800	5.65194	0.67900	0.0	0.0	0.0	0.67900
500.0000E-3	16.8112	5.61530	5.00800	5.58024	0.60730	0.0	0.0	0.0	0.60730
600.0000E-3	16.6289	5.56240	5.00800	5.52734	0.55440	0.0	0.0	0.0	0.55440
700.0000E-3	16.4748	5.52030	5.00700	5.48525	0.51330	0.0	0.0	0.0	0.51330
800.0000E-3	16.3412	5.48720	5.00700	5.45215	0.48020	0.0	0.0	0.0	0.48020
900.0000E-3	16.2235	5.45870	5.00600	5.42366	0.45270	0.0	0.0	0.0	0.45270
1.0000E00	16.1181	5.43550	5.00600	5.40046	0.42950	0.0	0.0	0.0	0.42950
1.5000E00	15.7126	5.35370	5.00300	5.31868	0.35070	0.0	0.0	0.0	0.35070
2.0000E00	15.4249	5.29770	4.99400	5.26274	0.30370	0.0	0.0	0.0	0.30370
2.5000E00	15.2018	5.26660	4.99500	5.23164	0.27160	0.0	0.0	0.0	0.27160
3.0000E00	15.0195	5.23690	4.98900	5.20198	0.24790	0.0	0.0	0.0	0.24790
3.5000E00	14.8653	5.21360	4.98400	5.17871	0.22960	0.0	0.0	0.0	0.22960
4.0000E00	14.7318	5.19170	4.97700	5.15686	0.21470	0.0	0.0	0.0	0.21470

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E-3	18.6438	0.0	0.0	1.51840	0.00700	0.0	0.0	0.0	0.0
90.0000E-3	18.5260	0.0	0.0	1.43150	0.00700	0.0	0.0	0.0	0.0
100.0000E-3	18.4207	0.0	0.0	1.35810	0.00700	0.0	0.0	0.0	0.0
150.0000E-3	18.0152	0.0	0.0	1.10890	0.00700	0.0	0.0	0.0	0.0
200.0000E-3	17.7275	0.0	0.0	0.96030	0.00700	0.0	0.0	0.0	0.0
250.0000E-3	17.5044	0.0	0.0	0.85890	0.00700	0.0	0.0	0.0	0.0
300.0000E-3	17.3221	0.0	0.0	0.78410	0.00700	0.0	0.0	0.0	0.0
400.0000E-3	17.0344	0.0	0.0	0.67900	0.00700	0.0	0.0	0.0	0.0
500.0000E-3	16.8112	0.0	0.0	0.60730	0.00700	0.0	0.0	0.0	0.0
600.0000E-3	16.6289	0.0	0.0	0.55440	0.00700	0.0	0.0	0.0	0.0
700.0000E-3	16.4748	0.0	0.0	0.51330	0.00700	0.0	0.0	0.0	0.0
800.0000E-3	16.3412	0.0	0.0	0.48020	0.00700	0.0	0.0	0.0	0.0
900.0000E-3	16.2235	0.0	0.0	0.45270	0.00700	0.0	0.0	0.0	0.0
1.0000E00	16.1181	0.0	0.0	0.42950	0.00700	0.0	0.0	0.0	0.0
1.5000E00	15.7126	0.0	0.0	0.35070	0.00700	0.0	0.0	0.0	0.0
2.0000E00	15.4249	0.0	0.0	0.30370	0.00700	0.0	0.0	0.0	0.0
2.5000E00	15.2018	0.0	0.0	0.27160	0.00700	0.0	0.0	0.0	0.0
3.0000E00	15.0195	0.0	0.0	0.24790	0.00700	0.0	0.0	0.0	0.0
3.5000E00	14.8653	0.0	0.0	0.22960	0.00700	0.0	0.0	0.0	0.0
4.0000E00	14.7318	0.0	0.0	0.21470	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.5000E00	14.6140	5.17350	4.97100	5.13870	0.20250	0.0	0.0	0.0	0.20250
5.0000E00	14.5087	5.15610	4.96400	5.12135	0.19210	0.0	0.0	0.0	0.19210
5.5000E00	14.4133	5.14010	4.95700	5.10540	0.18310	0.0	0.0	0.0	0.18310
6.0000E00	14.3263	5.12430	4.94900	5.08966	0.17530	0.0	0.0	0.0	0.17530
6.5000E00	14.2463	5.10940	4.94100	5.07481	0.16840	0.0	0.0	0.0	0.16840
7.0000E00	14.1722	5.09530	4.93300	5.06077	0.16230	0.0	0.0	0.0	0.16230
7.5000E00	14.1032	5.08180	4.92500	5.04733	0.15680	0.0	0.0	0.0	0.15680
8.0000E00	14.0387	5.06780	4.91600	5.03339	0.15180	0.0	0.0	0.0	0.15180
8.5000E00	13.9780	5.05400	4.90700	5.01965	0.14700	0.0	0.0	0.0	0.14700
9.0000E00	13.9209	5.04250	4.89800	5.00821	0.14450	0.0	0.0	0.0	0.14450
9.5000E00	13.8668	5.03300	4.88900	4.99878	0.14400	0.0	0.0	0.0	0.14400
10.0000E00	13.8155	5.02550	4.88000	4.99134	0.14550	0.0	0.0	0.0	0.14550
10.5000E00	13.7667	5.02580	4.87049	4.99200	0.15532	0.0	0.0	0.0	0.15532
11.0000E00	13.7202	5.11522	4.86144	5.08148	0.25378	0.0	0.0	0.0	0.25378
11.2000E00	13.7022	5.20880	4.85582	5.17510	0.35297	0.0	0.0	0.0	0.35297
11.4000E00	13.6845	5.41191	4.84751	5.37827	0.56441	0.0	0.0	0.0	0.56441
11.5000E00	13.6757	5.61410	4.84145	5.58050	0.77264	0.0	0.0	0.0	0.77264
11.6000E00	13.6671	5.97735	4.83312	5.94381	1.14423	0.0	0.0	0.0	1.14423
11.7000E00	13.6585	6.71824	4.82097	6.68479	1.89727	0.0	0.0	0.0	1.89727
11.8000E00	13.6500	8.53298	4.80279	8.49965	3.73019	0.0	0.0	0.0	3.73019

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.5000E00	14.6140	0.0	0.0	0.20250	0.00700	0.0	0.0	0.0	0.0
5.0000E00	14.5087	0.0	0.0	0.19210	0.00700	0.0	0.0	0.0	0.0
5.5000E00	14.4133	0.0	0.0	0.18310	0.00700	0.0	0.0	0.0	0.0
6.0000E00	14.3263	0.0	0.0	0.17530	0.00700	0.0	0.0	0.0	0.0
6.5000E00	14.2463	0.0	0.0	0.16840	0.00700	0.0	0.0	0.0	0.0
7.0000E00	14.1722	0.0	0.0	0.16230	0.00700	0.0	0.0	0.0	0.0
7.5000E00	14.1032	0.0	0.0	0.15680	0.00700	0.0	0.0	0.0	0.0
8.0000E00	14.0387	0.0	0.0	0.15180	0.00700	0.0	0.0	0.0	0.0
8.5000E00	13.9780	0.0	0.0	0.14700	0.00700	0.0	0.0	0.0	0.0
9.0000E00	13.9209	0.0	0.0	0.14450	0.00700	0.0	0.0	0.0	0.0
9.5000E00	13.8668	0.0	0.0	0.14400	0.00700	0.0	0.0	0.0	0.0
10.0000E00	13.8155	0.0	0.0	0.14550	0.00700	0.0	0.0	0.0	0.0
10.5000E00	13.7667	0.0	0.0	0.15532	0.00700	0.0	0.0	0.0	0.0
11.0000E00	13.7202	0.0	0.0	0.25378	0.00700	0.0	0.0	0.0	0.0
11.2000E00	13.7022	0.0	0.0	0.35297	0.00700	0.0	0.0	0.0	0.0
11.4000E00	13.6845	0.0	0.0	0.56441	0.00700	0.0	0.0	0.0	0.0
11.5000E00	13.6757	0.0	0.0	0.77264	0.00700	0.0	0.0	0.0	0.0
11.6000E00	13.6671	0.0	0.0	1.14423	0.00700	0.0	0.0	0.0	0.0
11.7000E00	13.6585	0.0	0.0	1.89727	0.00700	0.0	0.0	0.0	0.0
11.8000E00	13.6500	0.0	0.0	3.73019	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 4

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.8500E00	13.6458	10.49928	4.79197	10.46603	5.70731	0.0	0.0	0.0	5.70731
11.9000E00	13.6416	14.02850	4.78590	13.99528	9.24260	0.0	0.0	0.0	9.24260
11.9500E00	13.6374	19.57367	4.80569	19.54031	14.76798	0.0	0.0	0.0	14.76798
12.0000E00	13.6332	23.35517	4.87933	23.32131	18.47584	0.0	0.0	0.0	18.47584
12.0500E00	13.6290	19.77978	4.95039	19.74543	14.82939	0.0	0.0	0.0	14.82939
12.1000E00	13.6249	14.28576	4.96632	14.25130	9.31945	0.0	0.0	0.0	9.31945
12.1500E00	13.6208	10.73613	4.95777	10.70172	5.77836	0.0	0.0	0.0	5.77836
12.2000E00	13.6167	8.73746	4.94556	8.70313	3.79190	0.0	0.0	0.0	3.79190
12.3000E00	13.6085	6.86989	4.92607	6.83570	1.94382	0.0	0.0	0.0	1.94382
12.4000E00	13.6004	6.09440	4.91338	6.06030	1.18103	0.0	0.0	0.0	1.18103
12.5000E00	13.5924	5.70777	4.90476	5.67373	0.80302	0.0	0.0	0.0	0.80302
12.6000E00	13.5844	5.48885	4.89852	5.45486	0.59033	0.0	0.0	0.0	0.59033
12.8000E00	13.5687	5.26323	4.88998	5.22929	0.37325	0.0	0.0	0.0	0.37325
13.0000E00	13.5531	5.15490	4.88420	5.12101	0.27071	0.0	0.0	0.0	0.27071
13.5000E00	13.5154	5.04284	4.87474	5.00900	0.16810	0.0	0.0	0.0	0.16810
14.0000E00	13.4790	5.00026	4.86817	4.96647	0.13209	0.0	0.0	0.0	0.13209
14.5000E00	13.4439	4.97845	4.86271	4.94471	0.11574	0.0	0.0	0.0	0.11574
15.0000E00	13.4100	4.96506	4.85779	4.93134	0.10727	0.0	0.0	0.0	0.10727
16.0000E00	13.3455	4.94864	4.84858	4.91499	0.10006	0.0	0.0	0.0	0.10006
18.0000E00	13.2277	4.92976	4.83059	4.89623	0.09916	0.0	0.0	0.0	0.09916

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.8500E00	13.6458	0.0	0.0	5.70731	0.00700	0.0	0.0	0.0	0.0
11.9000E00	13.6416	0.0	0.0	9.24260	0.00700	0.0	0.0	0.0	0.0
11.9500E00	13.6374	0.0	0.0	14.76798	0.00700	0.0	0.0	0.0	0.0
12.0000E00	13.6332	0.0	0.0	18.47584	0.00700	0.0	0.0	0.0	0.0
12.0500E00	13.6290	0.0	0.0	14.82939	0.00700	0.0	0.0	0.0	0.0
12.1000E00	13.6249	0.0	0.0	9.31945	0.00700	0.0	0.0	0.0	0.0
12.1500E00	13.6208	0.0	0.0	5.77836	0.00700	0.0	0.0	0.0	0.0
12.2000E00	13.6167	0.0	0.0	3.79190	0.00700	0.0	0.0	0.0	0.0
12.3000E00	13.6085	0.0	0.0	1.94382	0.00700	0.0	0.0	0.0	0.0
12.4000E00	13.6004	0.0	0.0	1.18103	0.00700	0.0	0.0	0.0	0.0
12.5000E00	13.5924	0.0	0.0	0.80302	0.00700	0.0	0.0	0.0	0.0
12.6000E00	13.5844	0.0	0.0	0.59033	0.00700	0.0	0.0	0.0	0.0
12.8000E00	13.5687	0.0	0.0	0.37325	0.00700	0.0	0.0	0.0	0.0
13.0000E00	13.5531	0.0	0.0	0.27071	0.00700	0.0	0.0	0.0	0.0
13.5000E00	13.5154	0.0	0.0	0.16810	0.00700	0.0	0.0	0.0	0.0
14.0000E00	13.4790	0.0	0.0	0.13209	0.00700	0.0	0.0	0.0	0.0
14.5000E00	13.4439	0.0	0.0	0.11574	0.00700	0.0	0.0	0.0	0.0
15.0000E00	13.4100	0.0	0.0	0.10727	0.00700	0.0	0.0	0.0	0.0
16.0000E00	13.3455	0.0	0.0	0.10006	0.00700	0.0	0.0	0.0	0.0
18.0000E00	13.2277	0.0	0.0	0.09916	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
20.0000E00	13.1224	4.91665	4.81174	4.88325	0.10491	0.0	0.0	0.0	0.10491
22.0000E00	13.0271	4.90605	4.79132	4.87280	0.11474	0.0	0.0	0.0	0.11474
24.0000E00	12.9400	4.89770	4.76893	4.86461	0.12877	0.0	0.0	0.0	0.12877
26.0000E00	12.8600	4.89247	4.74428	4.85954	0.14819	0.0	0.0	0.0	0.14819
28.0000E00	12.7859	4.89245	4.71720	4.85971	0.17525	0.0	0.0	0.0	0.17525
30.0000E00	12.7169	4.90182	4.68786	4.86928	0.21396	0.0	0.0	0.0	0.21396
32.0000E00	12.6524	4.92900	4.65739	4.89668	0.27161	0.0	0.0	0.0	0.27161
34.0000E00	12.5917	4.99220	4.62953	4.96007	0.36267	0.0	0.0	0.0	0.36267
36.0000E00	12.5346	5.13488	4.61596	5.10284	0.51892	0.0	0.0	0.0	0.51892
38.0000E00	12.4805	5.47805	4.65583	5.44574	0.82222	0.0	0.0	0.0	0.82222
40.0000E00	12.4292	6.44975	4.90844	6.41569	1.54131	0.0	0.0	0.0	1.54131
41.0000E00	12.4045	7.66028	5.31289	7.62341	2.34738	0.0	0.0	0.0	2.34738
42.0000E00	12.3804	10.39194	6.35010	10.34787	4.04184	0.0	0.0	0.0	4.04184
43.0000E00	12.3569	18.34834	9.69281	18.28107	8.65553	0.0	0.0	0.0	8.65553
43.5000E00	12.3453	29.29930	14.56173	29.19824	14.73757	0.0	0.0	0.0	14.73757
44.1000E00	12.3316	70.34319	33.60899	70.10995	36.73420	0.0	0.0	0.0	36.73420
44.3000E00	12.3271	107.55300	51.28621	107.19700	56.26693	0.0	0.0	0.0	56.26693
44.5000E00	12.3226	184.55300	88.36310	183.94000	96.19014	0.0	0.0	0.0	96.19014
44.6000E00	12.3204	257.15300	123.65000	256.29400	133.50300	0.0	0.0	0.0	133.50300
44.7000E00	12.3181	379.01300	183.28600	377.74100	195.72600	0.0	0.0	0.0	195.72600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
20.0000E00	13.1224	0.0	0.0	0.10491	0.00700	0.0	0.0	0.0	0.0
22.0000E00	13.0271	0.0	0.0	0.11474	0.00700	0.0	0.0	0.0	0.0
24.0000E00	12.9400	0.0	0.0	0.12877	0.00700	0.0	0.0	0.0	0.0
26.0000E00	12.8600	0.0	0.0	0.14819	0.00700	0.0	0.0	0.0	0.0
28.0000E00	12.7859	0.0	0.0	0.17525	0.00700	0.0	0.0	0.0	0.0
30.0000E00	12.7169	0.0	0.0	0.21396	0.00700	0.0	0.0	0.0	0.0
32.0000E00	12.6524	0.0	0.0	0.27161	0.00700	0.0	0.0	0.0	0.0
34.0000E00	12.5917	0.0	0.0	0.36267	0.00700	0.0	0.0	0.0	0.0
36.0000E00	12.5346	0.0	0.0	0.51892	0.00700	0.0	0.0	0.0	0.0
38.0000E00	12.4805	0.0	0.0	0.82222	0.00700	0.0	0.0	0.0	0.0
40.0000E00	12.4292	0.0	0.0	1.54131	0.00700	0.0	0.0	0.0	0.0
41.0000E00	12.4045	0.0	0.0	2.34738	0.00700	0.0	0.0	0.0	0.0
42.0000E00	12.3804	0.0	0.0	4.04184	0.00700	0.0	0.0	0.0	0.0
43.0000E00	12.3569	0.0	0.0	8.65553	0.00700	0.0	0.0	0.0	0.0
43.5000E00	12.3453	0.0	0.0	14.73757	0.00700	0.0	0.0	0.0	0.0
44.1000E00	12.3316	0.0	0.0	36.73420	0.00700	0.0	0.0	0.0	0.0
44.3000E00	12.3271	0.0	0.0	56.26693	0.00700	0.0	0.0	0.0	0.0
44.5000E00	12.3226	0.0	0.0	96.19014	0.00700	0.0	0.0	0.0	0.0
44.6000E00	12.3204	0.0	0.0	133.50300	0.00700	0.0	0.0	0.0	0.0
44.7000E00	12.3181	0.0	0.0	195.72600	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
44.8000E00	12.3159	599.06000	291.75000	597.03600	307.31000	0.0	0.0	0.0	307.31000
44.9000E00	12.3137	1019.73400	500.78100	1016.25800	518.95300	0.0	0.0	0.0	518.95300
44.9500E00	12.3125	1350.06200	666.07200	1345.44000	683.99000	0.0	0.0	0.0	683.99000
45.0000E00	12.3114	1755.50200	870.36000	1749.46100	885.14200	0.0	0.0	0.0	885.14200
45.0500E00	12.3103	2142.50100	1067.74300	2135.09100	1074.75800	0.0	0.0	0.0	1074.75800
45.1000E00	12.3092	2319.09100	1162.04700	2311.02600	1157.04400	0.0	0.0	0.0	1157.04400
45.1500E00	12.3081	2164.15400	1090.58700	2156.58600	1073.56700	0.0	0.0	0.0	1073.56700
45.2000E00	12.3070	1791.14800	907.96700	1784.84700	883.18100	0.0	0.0	0.0	883.18100
45.2500E00	12.3059	1391.35700	709.63800	1386.43200	681.71900	0.0	0.0	0.0	681.71900
45.3000E00	12.3048	1061.48500	544.82800	1057.70400	516.65700	0.0	0.0	0.0	516.65700
45.4000E00	12.3026	636.10400	330.83100	633.80800	305.27300	0.0	0.0	0.0	305.27300
45.5000E00	12.3004	410.43300	216.43500	408.93100	193.99800	0.0	0.0	0.0	193.99800
45.6000E00	12.2982	283.91000	151.87900	282.85600	132.03100	0.0	0.0	0.0	132.03100
45.8000E00	12.2938	158.68400	87.45962	158.07700	71.22414	0.0	0.0	0.0	71.22414
46.0000E00	12.2895	102.11200	58.03420	101.70900	44.07767	0.0	0.0	0.0	44.07767
46.5000E00	12.2786	47.97547	29.43136	47.77122	18.54411	0.0	0.0	0.0	18.54411
47.0000E00	12.2679	29.55943	19.46328	29.42435	10.09615	0.0	0.0	0.0	10.09615
48.0000E00	12.2469	16.50741	12.18860	16.42282	4.31881	0.0	0.0	0.0	4.31881
49.0000E00	12.2263	11.88046	9.50594	11.81449	2.37452	0.0	0.0	0.0	2.37452
50.0000E00	12.2061	9.68388	8.18761	9.62706	1.49627	0.0	0.0	0.0	1.49627

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
44.8000E00	12.3159	0.0	0.0	307.31000	0.00700	0.0	0.0	0.0	0.0
44.9000E00	12.3137	0.0	0.0	518.95300	0.00700	0.0	0.0	0.0	0.0
44.9500E00	12.3125	0.0	0.0	683.99000	0.00700	0.0	0.0	0.0	0.0
45.0000E00	12.3114	0.0	0.0	885.14200	0.00700	0.0	0.0	0.0	0.0
45.0500E00	12.3103	0.0	0.0	1074.75800	0.00700	0.0	0.0	0.0	0.0
45.1000E00	12.3092	0.0	0.0	1157.04400	0.00700	0.0	0.0	0.0	0.0
45.1500E00	12.3081	0.0	0.0	1073.56700	0.00700	0.0	0.0	0.0	0.0
45.2000E00	12.3070	0.0	0.0	883.18100	0.00700	0.0	0.0	0.0	0.0
45.2500E00	12.3059	0.0	0.0	681.71900	0.00700	0.0	0.0	0.0	0.0
45.3000E00	12.3048	0.0	0.0	516.65700	0.00700	0.0	0.0	0.0	0.0
45.4000E00	12.3026	0.0	0.0	305.27300	0.00700	0.0	0.0	0.0	0.0
45.5000E00	12.3004	0.0	0.0	193.99800	0.00700	0.0	0.0	0.0	0.0
45.6000E00	12.2982	0.0	0.0	132.03100	0.00700	0.0	0.0	0.0	0.0
45.8000E00	12.2938	0.0	0.0	71.22414	0.00700	0.0	0.0	0.0	0.0
46.0000E00	12.2895	0.0	0.0	44.07767	0.00700	0.0	0.0	0.0	0.0
46.5000E00	12.2786	0.0	0.0	18.54411	0.00700	0.0	0.0	0.0	0.0
47.0000E00	12.2679	0.0	0.0	10.09615	0.00700	0.0	0.0	0.0	0.0
48.0000E00	12.2469	0.0	0.0	4.31881	0.00700	0.0	0.0	0.0	0.0
49.0000E00	12.2263	0.0	0.0	2.37452	0.00700	0.0	0.0	0.0	0.0
50.0000E00	12.2061	0.0	0.0	1.49627	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
52.0000E00	12.1669	7.68773	6.93850	7.63958	0.74923	0.0	0.0	0.0	0.74923
54.0000E00	12.1291	6.80851	6.35838	6.76438	0.45013	0.0	0.0	0.0	0.45013
56.0000E00	12.0927	6.33139	6.02866	6.28955	0.30273	0.0	0.0	0.0	0.30273
58.0000E00	12.0577	6.03714	5.81621	5.99678	0.22093	0.0	0.0	0.0	0.22093
60.0000E00	12.0238	5.83929	5.66648	5.79997	0.17281	0.0	0.0	0.0	0.17281
62.0000E00	11.9910	5.69815	5.55285	5.65961	0.14530	0.0	0.0	0.0	0.14530
64.0000E00	11.9592	5.59467	5.45984	5.55678	0.13483	0.0	0.0	0.0	0.13483
65.0000E00	11.9437	5.55502	5.41732	5.51743	0.13770	0.0	0.0	0.0	0.13770
66.0000E00	11.9284	5.52508	5.37524	5.48778	0.14984	0.0	0.0	0.0	0.14984
67.0000E00	11.9134	5.51113	5.33105	5.47413	0.18008	0.0	0.0	0.0	0.18008
68.0000E00	11.8986	5.53526	5.28002	5.49861	0.25524	0.0	0.0	0.0	0.25524
69.0000E00	11.8840	5.70034	5.21110	5.66418	0.48924	0.0	0.0	0.0	0.48924
69.5000E00	11.8768	5.99932	5.16238	5.96349	0.83694	0.0	0.0	0.0	0.83694
70.0000E00	11.8696	7.01082	5.10314	6.97541	1.90768	0.0	0.0	0.0	1.90768
70.2000E00	11.8667	8.16852	5.08986	8.13319	3.07866	0.0	0.0	0.0	3.07866
70.4000E00	11.8639	10.96813	5.13341	10.93250	5.83472	0.0	0.0	0.0	5.83472
70.5000E00	11.8625	14.08893	5.23622	14.05259	8.85270	0.0	0.0	0.0	8.85270
70.6000E00	11.8611	20.41130	5.52292	20.37297	14.88838	0.0	0.0	0.0	14.88838
70.7000E00	11.8597	35.59157	6.40464	35.54712	29.18693	0.0	0.0	0.0	29.18693
70.7500E00	11.8589	51.52377	7.48034	51.47185	44.04343	0.0	0.0	0.0	44.04343

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
52.0000E00	12.1669	0.0	0.0	0.74923	0.00700	0.0	0.0	0.0	0.0
54.0000E00	12.1291	0.0	0.0	0.45013	0.00700	0.0	0.0	0.0	0.0
56.0000E00	12.0927	0.0	0.0	0.30273	0.00700	0.0	0.0	0.0	0.0
58.0000E00	12.0577	0.0	0.0	0.22093	0.00700	0.0	0.0	0.0	0.0
60.0000E00	12.0238	0.0	0.0	0.17281	0.00700	0.0	0.0	0.0	0.0
62.0000E00	11.9910	0.0	0.0	0.14530	0.00700	0.0	0.0	0.0	0.0
64.0000E00	11.9592	0.0	0.0	0.13483	0.00700	0.0	0.0	0.0	0.0
65.0000E00	11.9437	0.0	0.0	0.13770	0.00700	0.0	0.0	0.0	0.0
66.0000E00	11.9284	0.0	0.0	0.14984	0.00700	0.0	0.0	0.0	0.0
67.0000E00	11.9134	0.0	0.0	0.18008	0.00700	0.0	0.0	0.0	0.0
68.0000E00	11.8986	0.0	0.0	0.25524	0.00700	0.0	0.0	0.0	0.0
69.0000E00	11.8840	0.0	0.0	0.48924	0.00700	0.0	0.0	0.0	0.0
69.5000E00	11.8768	0.0	0.0	0.83694	0.00700	0.0	0.0	0.0	0.0
70.0000E00	11.8696	0.0	0.0	1.90768	0.00700	0.0	0.0	0.0	0.0
70.2000E00	11.8667	0.0	0.0	3.07866	0.00700	0.0	0.0	0.0	0.0
70.4000E00	11.8639	0.0	0.0	5.83472	0.00700	0.0	0.0	0.0	0.0
70.5000E00	11.8625	0.0	0.0	8.85270	0.00700	0.0	0.0	0.0	0.0
70.6000E00	11.8611	0.0	0.0	14.88838	0.00700	0.0	0.0	0.0	0.0
70.7000E00	11.8597	0.0	0.0	29.18693	0.00700	0.0	0.0	0.0	0.0
70.7500E00	11.8589	0.0	0.0	44.04343	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
70.8000E00	11.8582	78.81564	9.54527	78.74939	69.27037	0.0	0.0	0.0	69.27037
70.8500E00	11.8575	118.63000	13.02732	118.53900	105.60200	0.0	0.0	0.0	105.60200
70.9000E00	11.8568	144.16700	16.19694	144.05500	127.97000	0.0	0.0	0.0	127.97000
70.9500E00	11.8561	121.08500	15.55766	120.97700	105.52800	0.0	0.0	0.0	105.52800
71.0000E00	11.8554	82.03344	12.86131	81.94418	69.17213	0.0	0.0	0.0	69.17213
71.0500E00	11.8547	54.58747	10.63803	54.51364	43.94944	0.0	0.0	0.0	43.94944
71.1000E00	11.8540	38.29253	9.18904	38.22876	29.10349	0.0	0.0	0.0	29.10349
71.2000E00	11.8526	22.46536	7.64167	22.41233	14.82369	0.0	0.0	0.0	14.82369
71.3000E00	11.8512	15.70391	6.90345	15.65600	8.80046	0.0	0.0	0.0	8.80046
71.4000E00	11.8498	12.28470	6.49402	12.23963	5.79067	0.0	0.0	0.0	5.79067
71.6000E00	11.8470	9.11433	6.07017	9.07220	3.04416	0.0	0.0	0.0	3.04416
71.8000E00	11.8442	7.73680	5.85865	7.69614	1.87815	0.0	0.0	0.0	1.87815
72.0000E00	11.8414	7.01317	5.73347	6.97338	1.27970	0.0	0.0	0.0	1.27970
72.5000E00	11.8345	6.20298	5.56873	6.16434	0.63426	0.0	0.0	0.0	0.63426
73.0000E00	11.8276	5.87526	5.48575	5.83719	0.38950	0.0	0.0	0.0	0.38950
73.5000E00	11.8208	5.70516	5.43413	5.66745	0.27103	0.0	0.0	0.0	0.27103
74.0000E00	11.8140	5.60240	5.39775	5.56494	0.20464	0.0	0.0	0.0	0.20464
75.0000E00	11.8006	5.48378	5.34742	5.44667	0.13636	0.0	0.0	0.0	0.13636
76.0000E00	11.7874	5.41532	5.31195	5.37845	0.10337	0.0	0.0	0.0	0.10337
77.0000E00	11.7743	5.36868	5.28400	5.33201	0.08469	0.0	0.0	0.0	0.08469

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
70.8000E00	11.8582	0.0	0.0	69.27037	0.00700	0.0	0.0	0.0	0.0
70.8500E00	11.8575	0.0	0.0	105.60200	0.00700	0.0	0.0	0.0	0.0
70.9000E00	11.8568	0.0	0.0	127.97000	0.00700	0.0	0.0	0.0	0.0
70.9500E00	11.8561	0.0	0.0	105.52800	0.00700	0.0	0.0	0.0	0.0
71.0000E00	11.8554	0.0	0.0	69.17213	0.00700	0.0	0.0	0.0	0.0
71.0500E00	11.8547	0.0	0.0	43.94944	0.00700	0.0	0.0	0.0	0.0
71.1000E00	11.8540	0.0	0.0	29.10349	0.00700	0.0	0.0	0.0	0.0
71.2000E00	11.8526	0.0	0.0	14.82369	0.00700	0.0	0.0	0.0	0.0
71.3000E00	11.8512	0.0	0.0	8.80046	0.00700	0.0	0.0	0.0	0.0
71.4000E00	11.8498	0.0	0.0	5.79067	0.00700	0.0	0.0	0.0	0.0
71.6000E00	11.8470	0.0	0.0	3.04416	0.00700	0.0	0.0	0.0	0.0
71.8000E00	11.8442	0.0	0.0	1.87815	0.00700	0.0	0.0	0.0	0.0
72.0000E00	11.8414	0.0	0.0	1.27970	0.00700	0.0	0.0	0.0	0.0
72.5000E00	11.8345	0.0	0.0	0.63426	0.00700	0.0	0.0	0.0	0.0
73.0000E00	11.8276	0.0	0.0	0.38950	0.00700	0.0	0.0	0.0	0.0
73.5000E00	11.8208	0.0	0.0	0.27103	0.00700	0.0	0.0	0.0	0.0
74.0000E00	11.8140	0.0	0.0	0.20464	0.00700	0.0	0.0	0.0	0.0
75.0000E00	11.8006	0.0	0.0	0.13636	0.00700	0.0	0.0	0.0	0.0
76.0000E00	11.7874	0.0	0.0	0.10337	0.00700	0.0	0.0	0.0	0.0
77.0000E00	11.7743	0.0	0.0	0.08469	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
78.0000E00	11.7614	5.33342	5.26047	5.29691	0.07295	0.0	0.0	0.0	0.07295
79.0000E00	11.7486	5.30484	5.23980	5.26847	0.06503	0.0	0.0	0.0	0.06503
80.0000E00	11.7361	5.28054	5.22113	5.24430	0.05941	0.0	0.0	0.0	0.05941
82.0000E00	11.7114	5.23993	5.18779	5.20393	0.05214	0.0	0.0	0.0	0.05214
84.0000E00	11.6873	5.20581	5.15788	5.17001	0.04793	0.0	0.0	0.0	0.04793
86.0000E00	11.6637	5.17557	5.13006	5.13997	0.04552	0.0	0.0	0.0	0.04552
88.0000E00	11.6408	5.14782	5.10345	5.11241	0.04437	0.0	0.0	0.0	0.04437
90.0000E00	11.6183	5.12172	5.07739	5.08648	0.04433	0.0	0.0	0.0	0.04433
92.0000E00	11.5963	5.09681	5.05122	5.06175	0.04559	0.0	0.0	0.0	0.04559
93.0000E00	11.5855	5.08484	5.03782	5.04988	0.04702	0.0	0.0	0.0	0.04702
94.0000E00	11.5748	5.07352	5.02393	5.03866	0.04959	0.0	0.0	0.0	0.04959
94.5000E00	11.5695	5.06839	5.01667	5.03357	0.05172	0.0	0.0	0.0	0.05172
95.0000E00	11.5642	5.06403	5.00905	5.02927	0.05498	0.0	0.0	0.0	0.05498
95.5000E00	11.5590	5.06131	5.00086	5.02660	0.06045	0.0	0.0	0.0	0.06045
96.0000E00	11.5537	5.06266	4.99163	5.02802	0.07104	0.0	0.0	0.0	0.07104
96.5000E00	11.5486	5.07686	4.98014	5.04230	0.09673	0.0	0.0	0.0	0.09673
96.8000E00	11.5454	5.10647	4.97070	5.07197	0.13577	0.0	0.0	0.0	0.13577
97.0000E00	11.5434	5.15500	4.96196	5.12056	0.19304	0.0	0.0	0.0	0.19304
97.2000E00	11.5413	5.27712	4.94887	5.24278	0.32826	0.0	0.0	0.0	0.32826
97.3000E00	11.5403	5.41635	4.93908	5.38207	0.47727	0.0	0.0	0.0	0.47727

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
78.0000E00	11.7614	0.0	0.0	0.07295	0.00700	0.0	0.0	0.0	0.0
79.0000E00	11.7486	0.0	0.0	0.06503	0.00700	0.0	0.0	0.0	0.0
80.0000E00	11.7361	0.0	0.0	0.05941	0.00700	0.0	0.0	0.0	0.0
82.0000E00	11.7114	0.0	0.0	0.05214	0.00700	0.0	0.0	0.0	0.0
84.0000E00	11.6873	0.0	0.0	0.04793	0.00700	0.0	0.0	0.0	0.0
86.0000E00	11.6637	0.0	0.0	0.04552	0.00700	0.0	0.0	0.0	0.0
88.0000E00	11.6408	0.0	0.0	0.04437	0.00700	0.0	0.0	0.0	0.0
90.0000E00	11.6183	0.0	0.0	0.04433	0.00700	0.0	0.0	0.0	0.0
92.0000E00	11.5963	0.0	0.0	0.04559	0.00700	0.0	0.0	0.0	0.0
93.0000E00	11.5855	0.0	0.0	0.04702	0.00700	0.0	0.0	0.0	0.0
94.0000E00	11.5748	0.0	0.0	0.04959	0.00700	0.0	0.0	0.0	0.0
94.5000E00	11.5695	0.0	0.0	0.05172	0.00700	0.0	0.0	0.0	0.0
95.0000E00	11.5642	0.0	0.0	0.05498	0.00700	0.0	0.0	0.0	0.0
95.5000E00	11.5590	0.0	0.0	0.06045	0.00700	0.0	0.0	0.0	0.0
96.0000E00	11.5537	0.0	0.0	0.07104	0.00700	0.0	0.0	0.0	0.0
96.5000E00	11.5486	0.0	0.0	0.09673	0.00700	0.0	0.0	0.0	0.0
96.8000E00	11.5454	0.0	0.0	0.13577	0.00700	0.0	0.0	0.0	0.0
97.0000E00	11.5434	0.0	0.0	0.19304	0.00700	0.0	0.0	0.0	0.0
97.2000E00	11.5413	0.0	0.0	0.32826	0.00700	0.0	0.0	0.0	0.0
97.3000E00	11.5403	0.0	0.0	0.47727	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 10

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
97.4000E00	11.5393	5.70369	4.92524	5.66051	0.77845	0.0	0.0	0.0	0.77845
97.5000E00	11.5382	6.41472	4.90536	6.38067	1.50936	0.0	0.0	0.0	1.50936
97.5500E00	11.5377	7.18993	4.89425	7.15596	2.29567	0.0	0.0	0.0	2.29567
97.6000E00	11.5372	8.58736	4.88969	8.55342	3.69767	0.0	0.0	0.0	3.69767
97.6500E00	11.5367	10.79516	4.91585	10.76105	5.87932	0.0	0.0	0.0	5.87932
97.7000E00	11.5362	12.33239	5.00143	12.29768	7.33096	0.0	0.0	0.0	7.33096
97.7500E00	11.5357	10.96133	5.07889	10.92609	5.88244	0.0	0.0	0.0	5.88244
97.8000E00	11.5352	8.79450	5.09283	8.75916	3.70167	0.0	0.0	0.0	3.70167
97.8500E00	11.5347	7.37994	5.08041	7.34469	2.29953	0.0	0.0	0.0	2.29953
97.9000E00	11.5341	6.57779	5.06490	6.54264	1.51290	0.0	0.0	0.0	1.51290
98.0000E00	11.5331	5.82242	5.04091	5.78743	0.78151	0.0	0.0	0.0	0.78151
98.1000E00	11.5321	5.50547	5.02536	5.47059	0.48011	0.0	0.0	0.0	0.48011
98.2000E00	11.5311	5.34576	5.01471	5.31096	0.33105	0.0	0.0	0.0	0.33105
98.4000E00	11.5291	5.19678	5.00079	5.16207	0.19598	0.0	0.0	0.0	0.19598
98.7000E00	11.5260	5.11033	4.98799	5.07571	0.12234	0.0	0.0	0.0	0.12234
99.0000E00	11.5230	5.07239	4.97908	5.03783	0.09331	0.0	0.0	0.0	0.09331
99.5000E00	11.5179	5.04118	4.96764	5.00670	0.07354	0.0	0.0	0.0	0.07354
100.0000E00	11.5129	5.02370	4.95801	4.98929	0.06570	0.0	0.0	0.0	0.06570
102.0000E00	11.4931	4.98429	4.92414	4.95012	0.06015	0.0	0.0	0.0	0.06015
104.0000E00	11.4737	4.95448	4.89064	4.92054	0.06384	0.0	0.0	0.0	0.06384

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
97.4000E00	11.5393	0.0	0.0	0.77845	0.00700	0.0	0.0	0.0	0.0
97.5000E00	11.5382	0.0	0.0	1.50936	0.00700	0.0	0.0	0.0	0.0
97.5500E00	11.5377	0.0	0.0	2.29567	0.00700	0.0	0.0	0.0	0.0
97.6000E00	11.5372	0.0	0.0	3.69767	0.00700	0.0	0.0	0.0	0.0
97.6500E00	11.5367	0.0	0.0	5.87932	0.00700	0.0	0.0	0.0	0.0
97.7000E00	11.5362	0.0	0.0	7.33096	0.00700	0.0	0.0	0.0	0.0
97.7500E00	11.5357	0.0	0.0	5.88244	0.00700	0.0	0.0	0.0	0.0
97.8000E00	11.5352	0.0	0.0	3.70167	0.00700	0.0	0.0	0.0	0.0
97.8500E00	11.5347	0.0	0.0	2.29953	0.00700	0.0	0.0	0.0	0.0
97.9000E00	11.5341	0.0	0.0	1.51290	0.00700	0.0	0.0	0.0	0.0
98.0000E00	11.5331	0.0	0.0	0.78151	0.00700	0.0	0.0	0.0	0.0
98.1000E00	11.5321	0.0	0.0	0.48011	0.00700	0.0	0.0	0.0	0.0
98.2000E00	11.5311	0.0	0.0	0.33105	0.00700	0.0	0.0	0.0	0.0
98.4000E00	11.5291	0.0	0.0	0.19598	0.00700	0.0	0.0	0.0	0.0
98.7000E00	11.5260	0.0	0.0	0.12234	0.00700	0.0	0.0	0.0	0.0
99.0000E00	11.5230	0.0	0.0	0.09331	0.00700	0.0	0.0	0.0	0.0
99.5000E00	11.5179	0.0	0.0	0.07354	0.00700	0.0	0.0	0.0	0.0
100.0000E00	11.5129	0.0	0.0	0.06570	0.00700	0.0	0.0	0.0	0.0
102.0000E00	11.4931	0.0	0.0	0.06015	0.00700	0.0	0.0	0.0	0.0
104.0000E00	11.4737	0.0	0.0	0.06384	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
105.0000E00	11.4641	4.94011	4.87311	4.90629	0.06700	0.0	0.0	0.0	0.06700
106.0000E00	11.4547	4.92577	4.85479	4.89208	0.07098	0.0	0.0	0.0	0.07098
107.0000E00	11.4453	4.91143	4.83545	4.87787	0.07598	0.0	0.0	0.0	0.07598
108.0000E00	11.4360	4.89728	4.81479	4.86386	0.08249	0.0	0.0	0.0	0.08249
108.5000E00	11.4313	4.89052	4.80378	4.85718	0.08674	0.0	0.0	0.0	0.08674
109.0000E00	11.4267	4.88443	4.79216	4.85117	0.09226	0.0	0.0	0.0	0.09226
109.5000E00	11.4222	4.88028	4.77962	4.84711	0.10066	0.0	0.0	0.0	0.10066
110.0000E00	11.4176	4.88445	4.76529	4.85138	0.11916	0.0	0.0	0.0	0.11916
110.2000E00	11.4158	4.89610	4.75841	4.86307	0.13768	0.0	0.0	0.0	0.13768
110.4000E00	11.4140	4.93421	4.74982	4.90125	0.18440	0.0	0.0	0.0	0.18440
110.5000E00	11.4131	4.98763	4.74411	4.95471	0.24352	0.0	0.0	0.0	0.24352
110.6000E00	11.4122	5.12537	4.73654	5.09250	0.38883	0.0	0.0	0.0	0.38883
110.6500E00	11.4117	5.28279	4.73194	5.24995	0.55084	0.0	0.0	0.0	0.55084
110.7000E00	11.4113	5.58551	4.72801	5.55270	0.85750	0.0	0.0	0.0	0.85750
110.7500E00	11.4108	6.11838	4.73074	6.08555	1.38765	0.0	0.0	0.0	1.38765
110.8000E00	11.4104	6.53364	4.75096	6.50067	1.78268	0.0	0.0	0.0	1.78268
110.8500E00	11.4099	6.16073	4.77048	6.12762	1.39025	0.0	0.0	0.0	1.39025
110.9000E00	11.4095	5.63445	4.77222	5.60133	0.86223	0.0	0.0	0.0	0.86223
110.9500E00	11.4090	5.32521	4.76767	5.29212	0.55754	0.0	0.0	0.0	0.55754
111.0000E00	11.4086	5.16018	4.76269	5.12713	0.39749	0.0	0.0	0.0	0.39749

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
105.0000E00	11.4641	0.0	0.0	0.06700	0.00700	0.0	0.0	0.0	0.0
106.0000E00	11.4547	0.0	0.0	0.07098	0.00700	0.0	0.0	0.0	0.0
107.0000E00	11.4453	0.0	0.0	0.07598	0.00700	0.0	0.0	0.0	0.0
108.0000E00	11.4360	0.0	0.0	0.08249	0.00700	0.0	0.0	0.0	0.0
108.5000E00	11.4313	0.0	0.0	0.08674	0.00700	0.0	0.0	0.0	0.0
109.0000E00	11.4267	0.0	0.0	0.09226	0.00700	0.0	0.0	0.0	0.0
109.5000E00	11.4222	0.0	0.0	0.10066	0.00700	0.0	0.0	0.0	0.0
110.0000E00	11.4176	0.0	0.0	0.11916	0.00700	0.0	0.0	0.0	0.0
110.2000E00	11.4158	0.0	0.0	0.13768	0.00700	0.0	0.0	0.0	0.0
110.4000E00	11.4140	0.0	0.0	0.18440	0.00700	0.0	0.0	0.0	0.0
110.5000E00	11.4131	0.0	0.0	0.24352	0.00700	0.0	0.0	0.0	0.0
110.6000E00	11.4122	0.0	0.0	0.38883	0.00700	0.0	0.0	0.0	0.0
110.6500E00	11.4117	0.0	0.0	0.55084	0.00700	0.0	0.0	0.0	0.0
110.7000E00	11.4113	0.0	0.0	0.85750	0.00700	0.0	0.0	0.0	0.0
110.7500E00	11.4108	0.0	0.0	1.38765	0.00700	0.0	0.0	0.0	0.0
110.8000E00	11.4104	0.0	0.0	1.78268	0.00700	0.0	0.0	0.0	0.0
110.8500E00	11.4099	0.0	0.0	1.39025	0.00700	0.0	0.0	0.0	0.0
110.9000E00	11.4095	0.0	0.0	0.86223	0.00700	0.0	0.0	0.0	0.0
110.9500E00	11.4090	0.0	0.0	0.55754	0.00700	0.0	0.0	0.0	0.0
111.0000E00	11.4086	0.0	0.0	0.39749	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
111.1000E00	11.4077	5.01081	4.75457	4.97781	0.25624	0.0	0.0	0.0	0.25624
111.2000E00	11.4068	4.94971	4.74836	4.91676	0.20135	0.0	0.0	0.0	0.20135
111.3000E00	11.4059	4.91936	4.74315	4.88644	0.17620	0.0	0.0	0.0	0.17620
111.4000E00	11.4050	4.90230	4.73848	4.86942	0.16383	0.0	0.0	0.0	0.16383
111.6000E00	11.4032	4.88566	4.72979	4.85283	0.15587	0.0	0.0	0.0	0.15587
111.8000E00	11.4014	4.88002	4.72125	4.84725	0.15877	0.0	0.0	0.0	0.15877
112.0000E00	11.3996	4.88112	4.71230	4.84841	0.16881	0.0	0.0	0.0	0.16881
112.2000E00	11.3978	4.88913	4.70250	4.85650	0.18664	0.0	0.0	0.0	0.18664
112.4000E00	11.3960	4.90750	4.69121	4.87494	0.21629	0.0	0.0	0.0	0.21629
112.6000E00	11.3943	4.94538	4.67741	4.91292	0.26797	0.0	0.0	0.0	0.26797
112.8000E00	11.3925	5.02779	4.65905	4.99546	0.36874	0.0	0.0	0.0	0.36874
113.0000E00	11.3907	5.23846	4.63122	5.20632	0.60724	0.0	0.0	0.0	0.60724
113.1000E00	11.3898	5.48197	4.61009	5.44998	0.87189	0.0	0.0	0.0	0.87189
113.2000E00	11.3889	5.99359	4.57956	5.96181	1.41403	0.0	0.0	0.0	1.41403
113.3000E00	11.3881	7.30741	4.53334	7.27595	2.77408	0.0	0.0	0.0	2.77408
113.3500E00	11.3876	8.81755	4.50458	8.78628	4.31296	0.0	0.0	0.0	4.31296
113.4000E00	11.3872	11.75894	4.48600	11.72780	7.27294	0.0	0.0	0.0	7.27294
113.4500E00	11.3867	17.06466	4.54020	17.03315	12.52446	0.0	0.0	0.0	12.52446
113.5000E00	11.3863	21.31574	4.77133	21.28263	16.54441	0.0	0.0	0.0	16.54441
113.5500E00	11.3859	17.49898	4.96803	17.46450	12.53095	0.0	0.0	0.0	12.53095

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
111.1000E00	11.4077	0.0	0.0	0.25624	0.00700	0.0	0.0	0.0	0.0
111.2000E00	11.4068	0.0	0.0	0.20135	0.00700	0.0	0.0	0.0	0.0
111.3000E00	11.4059	0.0	0.0	0.17620	0.00700	0.0	0.0	0.0	0.0
111.4000E00	11.4050	0.0	0.0	0.16383	0.00700	0.0	0.0	0.0	0.0
111.6000E00	11.4032	0.0	0.0	0.15587	0.00700	0.0	0.0	0.0	0.0
111.8000E00	11.4014	0.0	0.0	0.15877	0.00700	0.0	0.0	0.0	0.0
112.0000E00	11.3996	0.0	0.0	0.16881	0.00700	0.0	0.0	0.0	0.0
112.2000E00	11.3978	0.0	0.0	0.18664	0.00700	0.0	0.0	0.0	0.0
112.4000E00	11.3960	0.0	0.0	0.21629	0.00700	0.0	0.0	0.0	0.0
112.6000E00	11.3943	0.0	0.0	0.26797	0.00700	0.0	0.0	0.0	0.0
112.8000E00	11.3925	0.0	0.0	0.36874	0.00700	0.0	0.0	0.0	0.0
113.0000E00	11.3907	0.0	0.0	0.60724	0.00700	0.0	0.0	0.0	0.0
113.1000E00	11.3898	0.0	0.0	0.87189	0.00700	0.0	0.0	0.0	0.0
113.2000E00	11.3889	0.0	0.0	1.41403	0.00700	0.0	0.0	0.0	0.0
113.3000E00	11.3881	0.0	0.0	2.77408	0.00700	0.0	0.0	0.0	0.0
113.3500E00	11.3876	0.0	0.0	4.31296	0.00700	0.0	0.0	0.0	0.0
113.4000E00	11.3872	0.0	0.0	7.27294	0.00700	0.0	0.0	0.0	0.0
113.4500E00	11.3867	0.0	0.0	12.52446	0.00700	0.0	0.0	0.0	0.0
113.5000E00	11.3863	0.0	0.0	16.54441	0.00700	0.0	0.0	0.0	0.0
113.5500E00	11.3859	0.0	0.0	12.53095	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
113.6000E00	11.3854	12.25851	4.97722	12.22397	7.28129	0.0	0.0	0.0	7.28129
113.6500E00	11.3850	9.25484	4.93325	9.22060	4.32159	0.0	0.0	0.0	4.32159
113.7000E00	11.3845	7.67414	4.89128	7.64019	2.78286	0.0	0.0	0.0	2.78286
113.8000E00	11.3837	6.25694	4.83334	6.22339	1.42360	0.0	0.0	0.0	1.42360
113.9000E00	11.3828	5.68079	4.79808	5.64749	0.88272	0.0	0.0	0.0	0.88272
114.0000E00	11.3819	5.39415	4.77456	5.36101	0.61959	0.0	0.0	0.0	0.61959
114.2000E00	11.3801	5.12884	4.74439	5.09591	0.38445	0.0	0.0	0.0	0.38445
114.4000E00	11.3784	5.01191	4.72477	4.97912	0.28714	0.0	0.0	0.0	0.28714
114.7000E00	11.3758	4.92738	4.70378	4.89474	0.22360	0.0	0.0	0.0	0.22360
115.0000E00	11.3732	4.88398	4.68748	4.85145	0.19649	0.0	0.0	0.0	0.19649
115.5000E00	11.3688	4.84480	4.66481	4.81243	0.17999	0.0	0.0	0.0	0.17999
116.0000E00	11.3645	4.82238	4.64448	4.79015	0.17790	0.0	0.0	0.0	0.17790
116.5000E00	11.3602	4.80783	4.62488	4.77574	0.18295	0.0	0.0	0.0	0.18295
117.0000E00	11.3559	4.80005	4.60504	4.76809	0.19502	0.0	0.0	0.0	0.19502
117.2000E00	11.3542	4.80058	4.59672	4.76868	0.20386	0.0	0.0	0.0	0.20386
117.4000E00	11.3525	4.80712	4.58787	4.77528	0.21924	0.0	0.0	0.0	0.21924
117.5000E00	11.3517	4.81581	4.58306	4.78400	0.23274	0.0	0.0	0.0	0.23274
117.6000E00	11.3508	4.83323	4.57779	4.80146	0.25543	0.0	0.0	0.0	0.25543
117.7000E00	11.3500	4.87151	4.57172	4.83978	0.29979	0.0	0.0	0.0	0.29979
117.8000E00	11.3491	4.97162	4.56423	4.93994	0.40738	0.0	0.0	0.0	0.40738

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
113.6000E00	11.3854	0.0	0.0	7.28129	0.00700	0.0	0.0	0.0	0.0
113.6500E00	11.3850	0.0	0.0	4.32159	0.00700	0.0	0.0	0.0	0.0
113.7000E00	11.3845	0.0	0.0	2.78286	0.00700	0.0	0.0	0.0	0.0
113.8000E00	11.3837	0.0	0.0	1.42360	0.00700	0.0	0.0	0.0	0.0
113.9000E00	11.3828	0.0	0.0	0.88272	0.00700	0.0	0.0	0.0	0.0
114.0000E00	11.3819	0.0	0.0	0.61959	0.00700	0.0	0.0	0.0	0.0
114.2000E00	11.3801	0.0	0.0	0.38445	0.00700	0.0	0.0	0.0	0.0
114.4000E00	11.3784	0.0	0.0	0.28714	0.00700	0.0	0.0	0.0	0.0
114.7000E00	11.3758	0.0	0.0	0.22360	0.00700	0.0	0.0	0.0	0.0
115.0000E00	11.3732	0.0	0.0	0.19649	0.00700	0.0	0.0	0.0	0.0
115.5000E00	11.3688	0.0	0.0	0.17999	0.00700	0.0	0.0	0.0	0.0
116.0000E00	11.3645	0.0	0.0	0.17790	0.00700	0.0	0.0	0.0	0.0
116.5000E00	11.3602	0.0	0.0	0.18295	0.00700	0.0	0.0	0.0	0.0
117.0000E00	11.3559	0.0	0.0	0.19502	0.00700	0.0	0.0	0.0	0.0
117.2000E00	11.3542	0.0	0.0	0.20386	0.00700	0.0	0.0	0.0	0.0
117.4000E00	11.3525	0.0	0.0	0.21924	0.00700	0.0	0.0	0.0	0.0
117.5000E00	11.3517	0.0	0.0	0.23274	0.00700	0.0	0.0	0.0	0.0
117.6000E00	11.3508	0.0	0.0	0.25543	0.00700	0.0	0.0	0.0	0.0
117.7000E00	11.3500	0.0	0.0	0.29979	0.00700	0.0	0.0	0.0	0.0
117.8000E00	11.3491	0.0	0.0	0.40738	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 14

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
117.8500E00	11.3487	5.08661	4.55987	5.05496	0.52674	0.0	0.0	0.0	0.52674
117.9000E00	11.3483	5.30823	4.55600	5.27661	0.75223	0.0	0.0	0.0	0.75223
117.9500E00	11.3478	5.69891	4.55713	5.66728	1.14177	0.0	0.0	0.0	1.14177
118.0000E00	11.3474	6.00376	4.57155	5.97203	1.43220	0.0	0.0	0.0	1.43220
118.0500E00	11.3470	5.73017	4.58557	5.69835	1.14461	0.0	0.0	0.0	1.14461
118.1000E00	11.3466	5.34371	4.58615	5.31188	0.75756	0.0	0.0	0.0	0.75756
118.1500E00	11.3461	5.11640	4.58195	5.08460	0.53445	0.0	0.0	0.0	0.53445
118.2000E00	11.3457	4.99487	4.57740	4.96310	0.41747	0.0	0.0	0.0	0.41747
118.3000E00	11.3449	4.88436	4.56971	4.85264	0.31465	0.0	0.0	0.0	0.31465
118.4000E00	11.3440	4.83859	4.56348	4.80692	0.27510	0.0	0.0	0.0	0.27510
118.5000E00	11.3432	4.81531	4.55807	4.78368	0.25724	0.0	0.0	0.0	0.25724
118.6000E00	11.3423	4.80169	4.55311	4.77009	0.24859	0.0	0.0	0.0	0.24859
118.8000E00	11.3407	4.78679	4.54389	4.75526	0.24290	0.0	0.0	0.0	0.24290
119.0000E00	11.3390	4.77891	4.53515	4.74744	0.24376	0.0	0.0	0.0	0.24376
119.5000E00	11.3348	4.76976	4.51396	4.73844	0.25580	0.0	0.0	0.0	0.25580
120.0000E00	11.3306	4.76692	4.49296	4.73574	0.27396	0.0	0.0	0.0	0.27396
121.0000E00	11.3223	4.77292	4.45071	4.74203	0.32222	0.0	0.0	0.0	0.32222
122.0000E00	11.3141	4.79708	4.40878	4.76648	0.38829	0.0	0.0	0.0	0.38829
124.0000E00	11.2978	4.95077	4.34048	4.92064	0.61028	0.0	0.0	0.0	0.61028
126.0000E00	11.2818	5.50131	4.38489	5.47088	1.11643	0.0	0.0	0.0	1.11643

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
117.8500E00	11.3487	0.0	0.0	0.52674	0.00700	0.0	0.0	0.0	0.0
117.9000E00	11.3483	0.0	0.0	0.75223	0.00700	0.0	0.0	0.0	0.0
117.9500E00	11.3478	0.0	0.0	1.14177	0.00700	0.0	0.0	0.0	0.0
118.0000E00	11.3474	0.0	0.0	1.43220	0.00700	0.0	0.0	0.0	0.0
118.0500E00	11.3470	0.0	0.0	1.14461	0.00700	0.0	0.0	0.0	0.0
118.1000E00	11.3466	0.0	0.0	0.75756	0.00700	0.0	0.0	0.0	0.0
118.1500E00	11.3461	0.0	0.0	0.53445	0.00700	0.0	0.0	0.0	0.0
118.2000E00	11.3457	0.0	0.0	0.41747	0.00700	0.0	0.0	0.0	0.0
118.3000E00	11.3449	0.0	0.0	0.31465	0.00700	0.0	0.0	0.0	0.0
118.4000E00	11.3440	0.0	0.0	0.27510	0.00700	0.0	0.0	0.0	0.0
118.5000E00	11.3432	0.0	0.0	0.25724	0.00700	0.0	0.0	0.0	0.0
118.6000E00	11.3423	0.0	0.0	0.24859	0.00700	0.0	0.0	0.0	0.0
118.8000E00	11.3407	0.0	0.0	0.24290	0.00700	0.0	0.0	0.0	0.0
119.0000E00	11.3390	0.0	0.0	0.24376	0.00700	0.0	0.0	0.0	0.0
119.5000E00	11.3348	0.0	0.0	0.25580	0.00700	0.0	0.0	0.0	0.0
120.0000E00	11.3306	0.0	0.0	0.27396	0.00700	0.0	0.0	0.0	0.0
121.0000E00	11.3223	0.0	0.0	0.32222	0.00700	0.0	0.0	0.0	0.0
122.0000E00	11.3141	0.0	0.0	0.38829	0.00700	0.0	0.0	0.0	0.0
124.0000E00	11.2978	0.0	0.0	0.61028	0.00700	0.0	0.0	0.0	0.0
126.0000E00	11.2818	0.0	0.0	1.11643	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
128.0000E00	11.2661	7.87090	5.15420	7.83513	2.71671	0.0	0.0	0.0	2.71671
129.0000E00	11.2583	12.32532	7.04599	12.27642	5.27933	0.0	0.0	0.0	5.27933
130.0000E00	11.2506	30.03814	15.60787	29.92982	14.43027	0.0	0.0	0.0	14.43027
130.5000E00	11.2467	65.70912	34.00569	65.47312	31.70343	0.0	0.0	0.0	31.70343
130.7000E00	11.2452	101.30700	52.86044	100.94000	48.44611	0.0	0.0	0.0	48.44611
130.9000E00	11.2437	174.64200	92.35250	174.00100	82.28966	0.0	0.0	0.0	82.28966
131.0000E00	11.2429	243.09500	129.63800	242.19500	113.45600	0.0	0.0	0.0	113.45600
131.1000E00	11.2421	356.21300	191.76700	354.88200	164.44500	0.0	0.0	0.0	164.44500
131.2000E00	11.2414	554.55300	301.66100	552.45900	252.89200	0.0	0.0	0.0	252.89200
131.3000E00	11.2406	913.06800	502.28000	909.58200	410.78800	0.0	0.0	0.0	410.78800
131.3500E00	11.2402	1176.98100	651.27400	1172.46100	525.70600	0.0	0.0	0.0	525.70600
131.4000E00	11.2398	1482.06500	825.05900	1476.33900	657.00600	0.0	0.0	0.0	657.00600
131.4500E00	11.2395	1756.97000	984.17100	1750.14000	772.80000	0.0	0.0	0.0	772.80000
131.5000E00	11.2391	1881.63100	1060.68800	1874.27000	820.94300	0.0	0.0	0.0	820.94300
131.5500E00	11.2387	1785.53800	1013.03200	1778.50700	772.50600	0.0	0.0	0.0	772.50600
131.6000E00	11.2383	1530.63100	874.12500	1524.56500	656.50700	0.0	0.0	0.0	656.50700
131.6500E00	11.2379	1235.26000	710.15300	1230.33200	525.10700	0.0	0.0	0.0	525.10700
131.7000E00	11.2376	973.77500	563.61100	969.86400	410.16400	0.0	0.0	0.0	410.16400
131.8000E00	11.2368	610.59000	358.27400	608.10300	252.31600	0.0	0.0	0.0	252.31600
131.9000E00	11.2361	404.77700	240.83100	403.10600	163.94600	0.0	0.0	0.0	163.94600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
128.0000E00	11.2661	0.0	0.0	2.71671	0.00700	0.0	0.0	0.0	0.0
129.0000E00	11.2583	0.0	0.0	5.27933	0.00700	0.0	0.0	0.0	0.0
130.0000E00	11.2506	0.0	0.0	14.43027	0.00700	0.0	0.0	0.0	0.0
130.5000E00	11.2467	0.0	0.0	31.70343	0.00700	0.0	0.0	0.0	0.0
130.7000E00	11.2452	0.0	0.0	48.44611	0.00700	0.0	0.0	0.0	0.0
130.9000E00	11.2437	0.0	0.0	82.28966	0.00700	0.0	0.0	0.0	0.0
131.0000E00	11.2429	0.0	0.0	113.45600	0.00700	0.0	0.0	0.0	0.0
131.1000E00	11.2421	0.0	0.0	164.44500	0.00700	0.0	0.0	0.0	0.0
131.2000E00	11.2414	0.0	0.0	252.89200	0.00700	0.0	0.0	0.0	0.0
131.3000E00	11.2406	0.0	0.0	410.78800	0.00700	0.0	0.0	0.0	0.0
131.3500E00	11.2402	0.0	0.0	525.70600	0.00700	0.0	0.0	0.0	0.0
131.4000E00	11.2398	0.0	0.0	657.00600	0.00700	0.0	0.0	0.0	0.0
131.4500E00	11.2395	0.0	0.0	772.80000	0.00700	0.0	0.0	0.0	0.0
131.5000E00	11.2391	0.0	0.0	820.94300	0.00700	0.0	0.0	0.0	0.0
131.5500E00	11.2387	0.0	0.0	772.50600	0.00700	0.0	0.0	0.0	0.0
131.6000E00	11.2383	0.0	0.0	656.50700	0.00700	0.0	0.0	0.0	0.0
131.6500E00	11.2379	0.0	0.0	525.10700	0.00700	0.0	0.0	0.0	0.0
131.7000E00	11.2376	0.0	0.0	410.16400	0.00700	0.0	0.0	0.0	0.0
131.8000E00	11.2368	0.0	0.0	252.31600	0.00700	0.0	0.0	0.0	0.0
131.9000E00	11.2361	0.0	0.0	163.94600	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 16

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
132.0000E00	11.2353	284.96000	171.93400	283.76700	113.02600	0.0	0.0	0.0	113.02600
132.1000E00	11.2345	211.06400	129.14900	210.16700	81.91504	0.0	0.0	0.0	81.91504
132.3000E00	11.2330	129.87100	81.71835	129.30300	48.15225	0.0	0.0	0.0	48.15225
132.5000E00	11.2315	89.05268	57.58945	88.65301	31.46323	0.0	0.0	0.0	31.46323
133.0000E00	11.2277	45.93542	31.66887	45.71564	14.26655	0.0	0.0	0.0	14.26655
133.5000E00	11.2240	29.79413	21.71900	29.64340	8.07513	0.0	0.0	0.0	8.07513
134.0000E00	11.2203	21.96202	16.78220	21.84555	5.17983	0.0	0.0	0.0	5.17983
135.0000E00	11.2128	14.76551	12.12028	14.68139	2.64522	0.0	0.0	0.0	2.64522
136.0000E00	11.2054	11.58972	9.99007	11.52039	1.59966	0.0	0.0	0.0	1.59966
137.0000E00	11.1981	9.87738	8.80693	9.81626	1.07045	0.0	0.0	0.0	1.07045
138.0000E00	11.1908	8.83285	8.06644	8.77687	0.76641	0.0	0.0	0.0	0.76641
139.0000E00	11.1836	8.14006	7.56407	8.08756	0.57598	0.0	0.0	0.0	0.57598
140.0000E00	11.1765	7.65187	7.20288	7.60189	0.44900	0.0	0.0	0.0	0.44900
142.0000E00	11.1623	7.01639	6.72062	6.96975	0.29577	0.0	0.0	0.0	0.29577
144.0000E00	11.1483	6.62499	6.41419	6.58048	0.21080	0.0	0.0	0.0	0.21080
146.0000E00	11.1345	6.36122	6.20181	6.31818	0.15941	0.0	0.0	0.0	0.15941
148.0000E00	11.1209	6.17151	6.04473	6.12956	0.12678	0.0	0.0	0.0	0.12678
150.0000E00	11.1075	6.02809	5.92197	5.98700	0.10613	0.0	0.0	0.0	0.10613
152.0000E00	11.0942	5.91541	5.82049	5.87502	0.09492	0.0	0.0	0.0	0.09492
154.0000E00	11.0811	5.82510	5.73000	5.78533	0.09510	0.0	0.0	0.0	0.09510

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
132.0000E00	11.2353	0.0	0.0	113.02600	0.00700	0.0	0.0	0.0	0.0
132.1000E00	11.2345	0.0	0.0	81.91504	0.00700	0.0	0.0	0.0	0.0
132.3000E00	11.2330	0.0	0.0	48.15225	0.00700	0.0	0.0	0.0	0.0
132.5000E00	11.2315	0.0	0.0	31.46323	0.00700	0.0	0.0	0.0	0.0
133.0000E00	11.2277	0.0	0.0	14.26655	0.00700	0.0	0.0	0.0	0.0
133.5000E00	11.2240	0.0	0.0	8.07513	0.00700	0.0	0.0	0.0	0.0
134.0000E00	11.2203	0.0	0.0	5.17983	0.00700	0.0	0.0	0.0	0.0
135.0000E00	11.2128	0.0	0.0	2.64522	0.00700	0.0	0.0	0.0	0.0
136.0000E00	11.2054	0.0	0.0	1.59966	0.00700	0.0	0.0	0.0	0.0
137.0000E00	11.1981	0.0	0.0	1.07045	0.00700	0.0	0.0	0.0	0.0
138.0000E00	11.1908	0.0	0.0	0.76641	0.00700	0.0	0.0	0.0	0.0
139.0000E00	11.1836	0.0	0.0	0.57598	0.00700	0.0	0.0	0.0	0.0
140.0000E00	11.1765	0.0	0.0	0.44900	0.00700	0.0	0.0	0.0	0.0
142.0000E00	11.1623	0.0	0.0	0.29577	0.00700	0.0	0.0	0.0	0.0
144.0000E00	11.1483	0.0	0.0	0.21080	0.00700	0.0	0.0	0.0	0.0
146.0000E00	11.1345	0.0	0.0	0.15941	0.00700	0.0	0.0	0.0	0.0
148.0000E00	11.1209	0.0	0.0	0.12678	0.00700	0.0	0.0	0.0	0.0
150.0000E00	11.1075	0.0	0.0	0.10613	0.00700	0.0	0.0	0.0	0.0
152.0000E00	11.0942	0.0	0.0	0.09492	0.00700	0.0	0.0	0.0	0.0
154.0000E00	11.0811	0.0	0.0	0.09510	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
156.0000E00	11.0682	5.75928	5.63702	5.72016	0.12227	0.0	0.0	0.0	0.12227
157.0000E00	11.0618	5.74979	5.57999	5.71106	0.16979	0.0	0.0	0.0	0.16979
158.0000E00	11.0555	5.81258	5.49956	5.77441	0.31302	0.0	0.0	0.0	0.31302
158.5000E00	11.0523	5.95441	5.43839	5.91667	0.51603	0.0	0.0	0.0	0.51603
159.0000E00	11.0492	6.44121	5.34676	6.40410	1.09445	0.0	0.0	0.0	1.09445
159.2000E00	11.0479	6.97284	5.29838	6.93607	1.67446	0.0	0.0	0.0	1.67446
159.4000E00	11.0467	8.15812	5.25152	8.12167	2.90660	0.0	0.0	0.0	2.90660
159.5000E00	11.0461	9.35982	5.24250	9.32343	4.11731	0.0	0.0	0.0	4.11731
159.6000E00	11.0454	11.54799	5.27347	11.51139	6.27452	0.0	0.0	0.0	6.27452
159.7000E00	11.0448	16.07438	5.43262	16.03668	10.64177	0.0	0.0	0.0	10.64177
159.8000E00	11.0442	27.34254	6.06613	27.30044	21.27641	0.0	0.0	0.0	21.27641
159.8500E00	11.0439	39.72437	6.94901	39.67614	32.77536	0.0	0.0	0.0	32.77536
159.9000E00	11.0435	62.27208	8.84134	62.21072	53.43074	0.0	0.0	0.0	53.43074
159.9500E00	11.0432	98.48025	12.51162	98.39341	85.96863	0.0	0.0	0.0	85.96863
160.0000E00	11.0429	124.29200	16.42266	124.17800	107.86900	0.0	0.0	0.0	107.86900
160.0500E00	11.0426	101.89200	15.95083	101.78200	85.94152	0.0	0.0	0.0	85.94152
160.1000E00	11.0423	66.50972	13.11288	66.41872	53.39684	0.0	0.0	0.0	53.39684
160.1500E00	11.0420	43.61827	10.87439	43.54280	32.74388	0.0	0.0	0.0	32.74388
160.2000E00	11.0417	30.70670	9.45790	30.64107	21.24881	0.0	0.0	0.0	21.24881
160.3000E00	11.0410	18.58545	7.96516	18.53017	10.62029	0.0	0.0	0.0	10.62029

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
156.0000E00	11.0682	0.0	0.0	0.12227	0.00700	0.0	0.0	0.0	0.0
157.0000E00	11.0618	0.0	0.0	0.16979	0.00700	0.0	0.0	0.0	0.0
158.0000E00	11.0555	0.0	0.0	0.31302	0.00700	0.0	0.0	0.0	0.0
158.5000E00	11.0523	0.0	0.0	0.51603	0.00700	0.0	0.0	0.0	0.0
159.0000E00	11.0492	0.0	0.0	1.09445	0.00700	0.0	0.0	0.0	0.0
159.2000E00	11.0479	0.0	0.0	1.67446	0.00700	0.0	0.0	0.0	0.0
159.4000E00	11.0467	0.0	0.0	2.90660	0.00700	0.0	0.0	0.0	0.0
159.5000E00	11.0461	0.0	0.0	4.11731	0.00700	0.0	0.0	0.0	0.0
159.6000E00	11.0454	0.0	0.0	6.27452	0.00700	0.0	0.0	0.0	0.0
159.7000E00	11.0448	0.0	0.0	10.64177	0.00700	0.0	0.0	0.0	0.0
159.8000E00	11.0442	0.0	0.0	21.27641	0.00700	0.0	0.0	0.0	0.0
159.8500E00	11.0439	0.0	0.0	32.77536	0.00700	0.0	0.0	0.0	0.0
159.9000E00	11.0435	0.0	0.0	53.43074	0.00700	0.0	0.0	0.0	0.0
159.9500E00	11.0432	0.0	0.0	85.96863	0.00700	0.0	0.0	0.0	0.0
160.0000E00	11.0429	0.0	0.0	107.86900	0.00700	0.0	0.0	0.0	0.0
160.0500E00	11.0426	0.0	0.0	85.94152	0.00700	0.0	0.0	0.0	0.0
160.1000E00	11.0423	0.0	0.0	53.39684	0.00700	0.0	0.0	0.0	0.0
160.1500E00	11.0420	0.0	0.0	32.74388	0.00700	0.0	0.0	0.0	0.0
160.2000E00	11.0417	0.0	0.0	21.24881	0.00700	0.0	0.0	0.0	0.0
160.3000E00	11.0410	0.0	0.0	10.62029	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 18

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
160.4000E00	11.0404	13.50813	7.25133	13.45780	6.25679	0.0	0.0	0.0	6.25679
160.5000E00	11.0398	10.95311	6.85122	10.90556	4.10189	0.0	0.0	0.0	4.10189
160.6000E00	11.0392	9.49300	6.60036	9.44719	2.89264	0.0	0.0	0.0	2.89264
160.8000E00	11.0379	7.96962	6.30762	7.92584	1.66199	0.0	0.0	0.0	1.66199
161.0000E00	11.0367	7.22629	6.14380	7.18365	1.08249	0.0	0.0	0.0	1.08249
161.5000E00	11.0336	6.44168	5.93821	6.40047	0.50348	0.0	0.0	0.0	0.50348
162.0000E00	11.0305	6.13757	5.83877	6.09705	0.29879	0.0	0.0	0.0	0.29879
163.0000E00	11.0243	5.88744	5.73646	5.84763	0.15098	0.0	0.0	0.0	0.15098
164.0000E00	11.0182	5.77776	5.67969	5.73834	0.09807	0.0	0.0	0.0	0.09807
165.0000E00	11.0122	5.71342	5.64067	5.67427	0.07275	0.0	0.0	0.0	0.07275
166.0000E00	11.0061	5.66900	5.61063	5.63006	0.05838	0.0	0.0	0.0	0.05838
168.0000E00	10.9941	5.60758	5.56467	5.56896	0.04291	0.0	0.0	0.0	0.04291
170.0000E00	10.9823	5.56376	5.52905	5.52539	0.03471	0.0	0.0	0.0	0.03471
175.0000E00	10.9533	5.48657	5.46207	5.44866	0.02450	0.0	0.0	0.0	0.02450
180.0000E00	10.9251	5.43120	5.41179	5.39364	0.01941	0.0	0.0	0.0	0.01941
185.0000E00	10.8977	5.38717	5.37088	5.34989	0.01629	0.0	0.0	0.0	0.01629
190.0000E00	10.8711	5.35021	5.33601	5.31318	0.01420	0.0	0.0	0.0	0.01420
195.0000E00	10.8451	5.31803	5.30525	5.28121	0.01278	0.0	0.0	0.0	0.01278
200.0000E00	10.8198	5.28915	5.27725	5.25253	0.01191	0.0	0.0	0.0	0.01191
202.0000E00	10.8098	5.27829	5.26651	5.24174	0.01178	0.0	0.0	0.0	0.01178

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
160.4000E00	11.0404	0.0	0.0	6.25679	0.00700	0.0	0.0	0.0	0.0
160.5000E00	11.0398	0.0	0.0	4.10189	0.00700	0.0	0.0	0.0	0.0
160.6000E00	11.0392	0.0	0.0	2.89264	0.00700	0.0	0.0	0.0	0.0
160.8000E00	11.0379	0.0	0.0	1.66199	0.00700	0.0	0.0	0.0	0.0
161.0000E00	11.0367	0.0	0.0	1.08249	0.00700	0.0	0.0	0.0	0.0
161.5000E00	11.0336	0.0	0.0	0.50348	0.00700	0.0	0.0	0.0	0.0
162.0000E00	11.0305	0.0	0.0	0.29879	0.00700	0.0	0.0	0.0	0.0
163.0000E00	11.0243	0.0	0.0	0.15098	0.00700	0.0	0.0	0.0	0.0
164.0000E00	11.0182	0.0	0.0	0.09807	0.00700	0.0	0.0	0.0	0.0
165.0000E00	11.0122	0.0	0.0	0.07275	0.00700	0.0	0.0	0.0	0.0
166.0000E00	11.0061	0.0	0.0	0.05838	0.00700	0.0	0.0	0.0	0.0
168.0000E00	10.9941	0.0	0.0	0.04291	0.00700	0.0	0.0	0.0	0.0
170.0000E00	10.9823	0.0	0.0	0.03471	0.00700	0.0	0.0	0.0	0.0
175.0000E00	10.9533	0.0	0.0	0.02450	0.00700	0.0	0.0	0.0	0.0
180.0000E00	10.9251	0.0	0.0	0.01941	0.00700	0.0	0.0	0.0	0.0
185.0000E00	10.8977	0.0	0.0	0.01629	0.00700	0.0	0.0	0.0	0.0
190.0000E00	10.8711	0.0	0.0	0.01420	0.00700	0.0	0.0	0.0	0.0
195.0000E00	10.8451	0.0	0.0	0.01278	0.00700	0.0	0.0	0.0	0.0
200.0000E00	10.8198	0.0	0.0	0.01191	0.00700	0.0	0.0	0.0	0.0
202.0000E00	10.8098	0.0	0.0	0.01178	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
204.0000E00	10.8000	5.26778	5.25581	5.23130	0.01197	0.0	0.0	0.0	0.01197
205.0000E00	10.7951	5.26272	5.25034	5.22629	0.01238	0.0	0.0	0.0	0.01238
206.0000E00	10.7902	5.25802	5.24460	5.22162	0.01342	0.0	0.0	0.0	0.01342
207.0000E00	10.7854	5.25469	5.23811	5.21834	0.01658	0.0	0.0	0.0	0.01658
207.5000E00	10.7830	5.25516	5.23410	5.21884	0.02106	0.0	0.0	0.0	0.02106
208.0000E00	10.7806	5.26242	5.22857	5.22613	0.03385	0.0	0.0	0.0	0.03385
208.2000E00	10.7796	5.27200	5.22533	5.23573	0.04667	0.0	0.0	0.0	0.04667
208.4000E00	10.7786	5.29461	5.22069	5.25838	0.07392	0.0	0.0	0.0	0.07392
208.5000E00	10.7782	5.31808	5.21740	5.28187	0.10068	0.0	0.0	0.0	0.10068
208.6000E00	10.7777	5.36129	5.21296	5.32511	0.14834	0.0	0.0	0.0	0.14834
208.7000E00	10.7772	5.45129	5.20661	5.41515	0.24468	0.0	0.0	0.0	0.24468
208.8000E00	10.7767	5.67584	5.19742	5.63977	0.47842	0.0	0.0	0.0	0.47842
208.8500E00	10.7765	5.92203	5.19226	5.88600	0.72977	0.0	0.0	0.0	0.72977
208.9000E00	10.7762	6.36773	5.19013	6.33171	1.17760	0.0	0.0	0.0	1.17760
208.9500E00	10.7760	7.07595	5.20231	7.03984	1.87363	0.0	0.0	0.0	1.87363
209.0000E00	10.7758	7.57831	5.24227	7.54192	2.33604	0.0	0.0	0.0	2.33604
209.0500E00	10.7755	7.15269	5.27862	7.11606	1.87408	0.0	0.0	0.0	1.87408
209.1000E00	10.7753	6.46353	5.28537	6.42685	1.17816	0.0	0.0	0.0	1.17816
209.1500E00	10.7750	6.01003	5.27975	5.97339	0.73028	0.0	0.0	0.0	0.73028
209.2000E00	10.7748	5.75149	5.27263	5.71490	0.47886	0.0	0.0	0.0	0.47886

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
204.0000E00	10.8000	0.0	0.0	0.01197	0.00700	0.0	0.0	0.0	0.0
205.0000E00	10.7951	0.0	0.0	0.01238	0.00700	0.0	0.0	0.0	0.0
206.0000E00	10.7902	0.0	0.0	0.01342	0.00700	0.0	0.0	0.0	0.0
207.0000E00	10.7854	0.0	0.0	0.01658	0.00700	0.0	0.0	0.0	0.0
207.5000E00	10.7830	0.0	0.0	0.02106	0.00700	0.0	0.0	0.0	0.0
208.0000E00	10.7806	0.0	0.0	0.03385	0.00700	0.0	0.0	0.0	0.0
208.2000E00	10.7796	0.0	0.0	0.04667	0.00700	0.0	0.0	0.0	0.0
208.4000E00	10.7786	0.0	0.0	0.07392	0.00700	0.0	0.0	0.0	0.0
208.5000E00	10.7782	0.0	0.0	0.10068	0.00700	0.0	0.0	0.0	0.0
208.6000E00	10.7777	0.0	0.0	0.14834	0.00700	0.0	0.0	0.0	0.0
208.7000E00	10.7772	0.0	0.0	0.24468	0.00700	0.0	0.0	0.0	0.0
208.8000E00	10.7767	0.0	0.0	0.47842	0.00700	0.0	0.0	0.0	0.0
208.8500E00	10.7765	0.0	0.0	0.72977	0.00700	0.0	0.0	0.0	0.0
208.9000E00	10.7762	0.0	0.0	1.17760	0.00700	0.0	0.0	0.0	0.0
208.9500E00	10.7760	0.0	0.0	1.87363	0.00700	0.0	0.0	0.0	0.0
209.0000E00	10.7758	0.0	0.0	2.33604	0.00700	0.0	0.0	0.0	0.0
209.0500E00	10.7755	0.0	0.0	1.87408	0.00700	0.0	0.0	0.0	0.0
209.1000E00	10.7753	0.0	0.0	1.17816	0.00700	0.0	0.0	0.0	0.0
209.1500E00	10.7750	0.0	0.0	0.73028	0.00700	0.0	0.0	0.0	0.0
209.2000E00	10.7748	0.0	0.0	0.47886	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 20

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
209.3000E00	10.7743	5.50661	5.26161	5.47010	0.24500	0.0	0.0	0.0	0.24500
209.4000E00	10.7738	5.40310	5.25452	5.36663	0.14858	0.0	0.0	0.0	0.14858
209.5000E00	10.7734	5.35057	5.24970	5.31414	0.10087	0.0	0.0	0.0	0.10087
209.6000E00	10.7729	5.32028	5.24621	5.28387	0.07407	0.0	0.0	0.0	0.07407
209.8000E00	10.7719	5.28813	5.24136	5.25176	0.04677	0.0	0.0	0.0	0.04677
210.0000E00	10.7710	5.27193	5.23802	5.23558	0.03391	0.0	0.0	0.0	0.03391
210.5000E00	10.7686	5.25347	5.23240	5.21716	0.02107	0.0	0.0	0.0	0.02107
211.0000E00	10.7662	5.24493	5.22838	5.20864	0.01655	0.0	0.0	0.0	0.01655
212.0000E00	10.7615	5.23529	5.22191	5.19904	0.01338	0.0	0.0	0.0	0.01338
213.0000E00	10.7568	5.22858	5.21619	5.19238	0.01239	0.0	0.0	0.0	0.01239
214.0000E00	10.7521	5.22285	5.21070	5.18668	0.01215	0.0	0.0	0.0	0.01215
215.0000E00	10.7475	5.21756	5.20519	5.18144	0.01237	0.0	0.0	0.0	0.01237
216.0000E00	10.7428	5.21262	5.19945	5.17654	0.01317	0.0	0.0	0.0	0.01317
217.0000E00	10.7382	5.20829	5.19308	5.17225	0.01521	0.0	0.0	0.0	0.01521
218.0000E00	10.7336	5.20634	5.18504	5.17035	0.02130	0.0	0.0	0.0	0.02130
218.5000E00	10.7313	5.20920	5.17934	5.17326	0.02987	0.0	0.0	0.0	0.02987
219.0000E00	10.7290	5.22457	5.17034	5.18869	0.05423	0.0	0.0	0.0	0.05423
219.2000E00	10.7281	5.24318	5.16451	5.20734	0.07867	0.0	0.0	0.0	0.07867
219.4000E00	10.7272	5.28639	5.15564	5.25061	0.13075	0.0	0.0	0.0	0.13075
219.5000E00	10.7267	5.33118	5.14907	5.29545	0.18211	0.0	0.0	0.0	0.18211

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
209.3000E00	10.7743	0.0	0.0	0.24500	0.00700	0.0	0.0	0.0	0.0
209.4000E00	10.7738	0.0	0.0	0.14858	0.00700	0.0	0.0	0.0	0.0
209.5000E00	10.7734	0.0	0.0	0.10087	0.00700	0.0	0.0	0.0	0.0
209.6000E00	10.7729	0.0	0.0	0.07407	0.00700	0.0	0.0	0.0	0.0
209.8000E00	10.7719	0.0	0.0	0.04677	0.00700	0.0	0.0	0.0	0.0
210.0000E00	10.7710	0.0	0.0	0.03391	0.00700	0.0	0.0	0.0	0.0
210.5000E00	10.7686	0.0	0.0	0.02107	0.00700	0.0	0.0	0.0	0.0
211.0000E00	10.7662	0.0	0.0	0.01655	0.00700	0.0	0.0	0.0	0.0
212.0000E00	10.7615	0.0	0.0	0.01338	0.00700	0.0	0.0	0.0	0.0
213.0000E00	10.7568	0.0	0.0	0.01239	0.00700	0.0	0.0	0.0	0.0
214.0000E00	10.7521	0.0	0.0	0.01215	0.00700	0.0	0.0	0.0	0.0
215.0000E00	10.7475	0.0	0.0	0.01237	0.00700	0.0	0.0	0.0	0.0
216.0000E00	10.7428	0.0	0.0	0.01317	0.00700	0.0	0.0	0.0	0.0
217.0000E00	10.7382	0.0	0.0	0.01521	0.00700	0.0	0.0	0.0	0.0
218.0000E00	10.7336	0.0	0.0	0.02130	0.00700	0.0	0.0	0.0	0.0
218.5000E00	10.7313	0.0	0.0	0.02987	0.00700	0.0	0.0	0.0	0.0
219.0000E00	10.7290	0.0	0.0	0.05423	0.00700	0.0	0.0	0.0	0.0
219.2000E00	10.7281	0.0	0.0	0.07867	0.00700	0.0	0.0	0.0	0.0
219.4000E00	10.7272	0.0	0.0	0.13075	0.00700	0.0	0.0	0.0	0.0
219.5000E00	10.7267	0.0	0.0	0.18211	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
219.6000E00	10.7263	5.41404	5.13993	5.37837	0.27411	0.0	0.0	0.0	0.27411
219.7000E00	10.7258	5.58871	5.12643	5.55313	0.46227	0.0	0.0	0.0	0.46227
219.8000E00	10.7254	6.03723	5.10585	6.00179	0.93138	0.0	0.0	0.0	0.93138
219.8500E00	10.7252	6.54996	5.09328	6.51461	1.45668	0.0	0.0	0.0	1.45668
219.9000E00	10.7249	7.53674	5.08608	7.50145	2.45067	0.0	0.0	0.0	2.45067
219.9500E00	10.7247	9.27549	5.11286	9.24001	4.16263	0.0	0.0	0.0	4.16263
220.0000E00	10.7245	10.64762	5.21747	10.61141	5.43014	0.0	0.0	0.0	5.43014
220.0500E00	10.7242	9.47103	5.30744	9.43420	4.16359	0.0	0.0	0.0	4.16359
220.1000E00	10.7240	7.76624	5.31444	7.72936	2.45180	0.0	0.0	0.0	2.45180
220.1500E00	10.7238	6.75345	5.29576	6.71670	1.45770	0.0	0.0	0.0	1.45770
220.2000E00	10.7236	6.20937	5.27711	6.17275	0.93226	0.0	0.0	0.0	0.93226
220.3000E00	10.7231	5.71406	5.25110	5.67761	0.46295	0.0	0.0	0.0	0.46295
220.4000E00	10.7227	5.51010	5.23543	5.47377	0.27467	0.0	0.0	0.0	0.27467
220.5000E00	10.7222	5.40783	5.22522	5.37156	0.18261	0.0	0.0	0.0	0.18261
220.6000E00	10.7217	5.34926	5.21805	5.31305	0.13120	0.0	0.0	0.0	0.13120
220.8000E00	10.7208	5.28767	5.20857	5.25152	0.07910	0.0	0.0	0.0	0.07910
221.0000E00	10.7199	5.25708	5.20244	5.22098	0.05465	0.0	0.0	0.0	0.05465
221.5000E00	10.7177	5.22345	5.19310	5.18741	0.03035	0.0	0.0	0.0	0.03035
222.0000E00	10.7154	5.20912	5.18721	5.17312	0.02190	0.0	0.0	0.0	0.02190
223.0000E00	10.7109	5.19502	5.17881	5.15908	0.01621	0.0	0.0	0.0	0.01621

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
219.6000E00	10.7263	0.0	0.0	0.27411	0.00700	0.0	0.0	0.0	0.0
219.7000E00	10.7258	0.0	0.0	0.46227	0.00700	0.0	0.0	0.0	0.0
219.8000E00	10.7254	0.0	0.0	0.93138	0.00700	0.0	0.0	0.0	0.0
219.8500E00	10.7252	0.0	0.0	1.45668	0.00700	0.0	0.0	0.0	0.0
219.9000E00	10.7249	0.0	0.0	2.45067	0.00700	0.0	0.0	0.0	0.0
219.9500E00	10.7247	0.0	0.0	4.16263	0.00700	0.0	0.0	0.0	0.0
220.0000E00	10.7245	0.0	0.0	5.43014	0.00700	0.0	0.0	0.0	0.0
220.0500E00	10.7242	0.0	0.0	4.16359	0.00700	0.0	0.0	0.0	0.0
220.1000E00	10.7240	0.0	0.0	2.45180	0.00700	0.0	0.0	0.0	0.0
220.1500E00	10.7238	0.0	0.0	1.45770	0.00700	0.0	0.0	0.0	0.0
220.2000E00	10.7236	0.0	0.0	0.93226	0.00700	0.0	0.0	0.0	0.0
220.3000E00	10.7231	0.0	0.0	0.46295	0.00700	0.0	0.0	0.0	0.0
220.4000E00	10.7227	0.0	0.0	0.27467	0.00700	0.0	0.0	0.0	0.0
220.5000E00	10.7222	0.0	0.0	0.18261	0.00700	0.0	0.0	0.0	0.0
220.6000E00	10.7217	0.0	0.0	0.13120	0.00700	0.0	0.0	0.0	0.0
220.8000E00	10.7208	0.0	0.0	0.07910	0.00700	0.0	0.0	0.0	0.0
221.0000E00	10.7199	0.0	0.0	0.05465	0.00700	0.0	0.0	0.0	0.0
221.5000E00	10.7177	0.0	0.0	0.03035	0.00700	0.0	0.0	0.0	0.0
222.0000E00	10.7154	0.0	0.0	0.02190	0.00700	0.0	0.0	0.0	0.0
223.0000E00	10.7109	0.0	0.0	0.01621	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 22

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
224.0000E00	10.7064	5.18681	5.17188	5.15091	0.01492	0.0	0.0	0.0	0.01492
225.0000E00	10.7020	5.18082	5.16512	5.14497	0.01569	0.0	0.0	0.0	0.01569
226.0000E00	10.6976	5.17704	5.15752	5.14124	0.01951	0.0	0.0	0.0	0.01951
226.5000E00	10.6954	5.17716	5.15281	5.14140	0.02436	0.0	0.0	0.0	0.02436
227.0000E00	10.6931	5.18166	5.14660	5.14594	0.03506	0.0	0.0	0.0	0.03506
227.5000E00	10.6909	5.20245	5.13671	5.16680	0.06574	0.0	0.0	0.0	0.06574
227.7000E00	10.6901	5.22683	5.13029	5.19123	0.09654	0.0	0.0	0.0	0.09654
227.9000E00	10.6892	5.28257	5.12058	5.24703	0.16199	0.0	0.0	0.0	0.16199
228.0000E00	10.6887	5.33975	5.11349	5.30426	0.22626	0.0	0.0	0.0	0.22626
228.1000E00	10.6883	5.44448	5.10381	5.40906	0.34067	0.0	0.0	0.0	0.34067
228.2000E00	10.6879	5.66190	5.09011	5.62657	0.57179	0.0	0.0	0.0	0.57179
228.3000E00	10.6874	6.20292	5.07137	6.16773	1.13155	0.0	0.0	0.0	1.13155
228.3500E00	10.6872	6.79454	5.06267	6.75941	1.73187	0.0	0.0	0.0	1.73187
228.4000E00	10.6870	7.86197	5.06456	7.82682	2.79741	0.0	0.0	0.0	2.79741
228.4500E00	10.6868	9.54907	5.10582	9.51363	4.44325	0.0	0.0	0.0	4.44325
228.5000E00	10.6866	10.74206	5.21226	10.70588	5.52979	0.0	0.0	0.0	5.52979
228.5500E00	10.6863	9.74064	5.29644	9.70388	4.44420	0.0	0.0	0.0	4.44420
228.6000E00	10.6861	8.10256	5.30396	8.06575	2.79860	0.0	0.0	0.0	2.79860
228.6500E00	10.6859	7.01697	5.28401	6.98030	1.73296	0.0	0.0	0.0	1.73296
228.7000E00	10.6857	6.39548	5.26301	6.35895	1.13247	0.0	0.0	0.0	1.13247

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
224.0000E00	10.7064	0.0	0.0	0.01492	0.00700	0.0	0.0	0.0	0.0
225.0000E00	10.7020	0.0	0.0	0.01569	0.00700	0.0	0.0	0.0	0.0
226.0000E00	10.6976	0.0	0.0	0.01951	0.00700	0.0	0.0	0.0	0.0
226.5000E00	10.6954	0.0	0.0	0.02436	0.00700	0.0	0.0	0.0	0.0
227.0000E00	10.6931	0.0	0.0	0.03506	0.00700	0.0	0.0	0.0	0.0
227.5000E00	10.6909	0.0	0.0	0.06574	0.00700	0.0	0.0	0.0	0.0
227.7000E00	10.6901	0.0	0.0	0.09654	0.00700	0.0	0.0	0.0	0.0
227.9000E00	10.6892	0.0	0.0	0.16199	0.00700	0.0	0.0	0.0	0.0
228.0000E00	10.6887	0.0	0.0	0.22626	0.00700	0.0	0.0	0.0	0.0
228.1000E00	10.6883	0.0	0.0	0.34067	0.00700	0.0	0.0	0.0	0.0
228.2000E00	10.6879	0.0	0.0	0.57179	0.00700	0.0	0.0	0.0	0.0
228.3000E00	10.6874	0.0	0.0	1.13155	0.00700	0.0	0.0	0.0	0.0
228.3500E00	10.6872	0.0	0.0	1.73187	0.00700	0.0	0.0	0.0	0.0
228.4000E00	10.6870	0.0	0.0	2.79741	0.00700	0.0	0.0	0.0	0.0
228.4500E00	10.6868	0.0	0.0	4.44325	0.00700	0.0	0.0	0.0	0.0
228.5000E00	10.6866	0.0	0.0	5.52979	0.00700	0.0	0.0	0.0	0.0
228.5500E00	10.6863	0.0	0.0	4.44420	0.00700	0.0	0.0	0.0	0.0
228.6000E00	10.6861	0.0	0.0	2.79860	0.00700	0.0	0.0	0.0	0.0
228.6500E00	10.6859	0.0	0.0	1.73296	0.00700	0.0	0.0	0.0	0.0
228.7000E00	10.6857	0.0	0.0	1.13247	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
228.8000E00	10.6852	5.80524	5.23280	5.76892	0.57244	0.0	0.0	0.0	0.57244
228.9000E00	10.6848	5.55549	5.21436	5.51930	0.34113	0.0	0.0	0.0	0.34113
229.0000E00	10.6844	5.42892	5.20234	5.39282	0.22658	0.0	0.0	0.0	0.22658
229.1000E00	10.6839	5.35614	5.19393	5.32009	0.16220	0.0	0.0	0.0	0.16220
229.3000E00	10.6831	5.27950	5.18290	5.24353	0.09660	0.0	0.0	0.0	0.09660
229.5000E00	10.6822	5.24154	5.17587	5.20562	0.06567	0.0	0.0	0.0	0.06567
230.0000E00	10.6800	5.20019	5.16545	5.16434	0.03474	0.0	0.0	0.0	0.03474
230.5000E00	10.6778	5.18296	5.15916	5.14715	0.02380	0.0	0.0	0.0	0.02380
231.0000E00	10.6757	5.17323	5.15452	5.13746	0.01871	0.0	0.0	0.0	0.01871
232.0000E00	10.6714	5.16164	5.14740	5.12592	0.01424	0.0	0.0	0.0	0.01424
233.0000E00	10.6671	5.15393	5.14154	5.11825	0.01239	0.0	0.0	0.0	0.01239
235.0000E00	10.6585	5.14222	5.13130	5.10661	0.01092	0.0	0.0	0.0	0.01092
240.0000E00	10.6375	5.11831	5.10811	5.08286	0.01020	0.0	0.0	0.0	0.01020
242.0000E00	10.6292	5.10926	5.09898	5.07387	0.01028	0.0	0.0	0.0	0.01028
244.0000E00	10.6209	5.10026	5.08968	5.06494	0.01058	0.0	0.0	0.0	0.01058
246.0000E00	10.6128	5.09143	5.07982	5.05618	0.01161	0.0	0.0	0.0	0.01161
247.0000E00	10.6087	5.08770	5.07420	5.05248	0.01350	0.0	0.0	0.0	0.01350
247.5000E00	10.6067	5.08692	5.07084	5.05173	0.01609	0.0	0.0	0.0	0.01609
248.0000E00	10.6047	5.08977	5.06640	5.05461	0.02337	0.0	0.0	0.0	0.02337
248.2000E00	10.6039	5.09456	5.06390	5.05941	0.03066	0.0	0.0	0.0	0.03066

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
228.8000E00	10.6852	0.0	0.0	0.57244	0.00700	0.0	0.0	0.0	0.0
228.9000E00	10.6848	0.0	0.0	0.34113	0.00700	0.0	0.0	0.0	0.0
229.0000E00	10.6844	0.0	0.0	0.22658	0.00700	0.0	0.0	0.0	0.0
229.1000E00	10.6839	0.0	0.0	0.16220	0.00700	0.0	0.0	0.0	0.0
229.3000E00	10.6831	0.0	0.0	0.09660	0.00700	0.0	0.0	0.0	0.0
229.5000E00	10.6822	0.0	0.0	0.06567	0.00700	0.0	0.0	0.0	0.0
230.0000E00	10.6800	0.0	0.0	0.03474	0.00700	0.0	0.0	0.0	0.0
230.5000E00	10.6778	0.0	0.0	0.02380	0.00700	0.0	0.0	0.0	0.0
231.0000E00	10.6757	0.0	0.0	0.01871	0.00700	0.0	0.0	0.0	0.0
232.0000E00	10.6714	0.0	0.0	0.01424	0.00700	0.0	0.0	0.0	0.0
233.0000E00	10.6671	0.0	0.0	0.01239	0.00700	0.0	0.0	0.0	0.0
235.0000E00	10.6585	0.0	0.0	0.01092	0.00700	0.0	0.0	0.0	0.0
240.0000E00	10.6375	0.0	0.0	0.01020	0.00700	0.0	0.0	0.0	0.0
242.0000E00	10.6292	0.0	0.0	0.01028	0.00700	0.0	0.0	0.0	0.0
244.0000E00	10.6209	0.0	0.0	0.01058	0.00700	0.0	0.0	0.0	0.0
246.0000E00	10.6128	0.0	0.0	0.01161	0.00700	0.0	0.0	0.0	0.0
247.0000E00	10.6087	0.0	0.0	0.01350	0.00700	0.0	0.0	0.0	0.0
247.5000E00	10.6067	0.0	0.0	0.01609	0.00700	0.0	0.0	0.0	0.0
248.0000E00	10.6047	0.0	0.0	0.02337	0.00700	0.0	0.0	0.0	0.0
248.2000E00	10.6039	0.0	0.0	0.03066	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 24

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
248.4000E00	10.6031	5.10656	5.06040	5.07144	0.04616	0.0	0.0	0.0	0.04616
248.5000E00	10.6027	5.11939	5.05795	5.08429	0.06144	0.0	0.0	0.0	0.06144
248.6000E00	10.6023	5.14344	5.05462	5.10836	0.08882	0.0	0.0	0.0	0.08882
248.7000E00	10.6018	5.19463	5.04980	5.15958	0.14483	0.0	0.0	0.0	0.14483
248.8000E00	10.6014	5.32695	5.04236	5.29195	0.28458	0.0	0.0	0.0	0.28458
248.8500E00	10.6012	5.47883	5.03754	5.44387	0.44129	0.0	0.0	0.0	0.44129
248.9000E00	10.6010	5.77226	5.03381	5.73732	0.73845	0.0	0.0	0.0	0.73845
248.9500E00	10.6008	6.29213	5.03994	6.25715	1.25219	0.0	0.0	0.0	1.25219
249.0000E00	10.6006	6.70562	5.07148	6.67043	1.63414	0.0	0.0	0.0	1.63414
249.0500E00	10.6004	6.35398	5.10154	6.31858	1.25245	0.0	0.0	0.0	1.25245
249.1000E00	10.6002	5.84442	5.10567	5.80899	0.73876	0.0	0.0	0.0	0.73876
249.1500E00	10.6000	5.54236	5.10078	5.50696	0.44158	0.0	0.0	0.0	0.44158
249.2000E00	10.5998	5.38019	5.09535	5.34483	0.28484	0.0	0.0	0.0	0.28484
249.3000E00	10.5994	5.23242	5.08737	5.19711	0.14505	0.0	0.0	0.0	0.14505
249.4000E00	10.5990	5.17134	5.08232	5.13607	0.08902	0.0	0.0	0.0	0.08902
249.5000E00	10.5986	5.14053	5.07889	5.10528	0.06164	0.0	0.0	0.0	0.06164
249.6000E00	10.5982	5.12273	5.07637	5.08750	0.04636	0.0	0.0	0.0	0.04636
249.8000E00	10.5974	5.10367	5.07280	5.06847	0.03088	0.0	0.0	0.0	0.03088
250.0000E00	10.5966	5.09387	5.07025	5.05868	0.02362	0.0	0.0	0.0	0.02362
250.5000E00	10.5946	5.08215	5.06574	5.04699	0.01641	0.0	0.0	0.0	0.01641

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
248.4000E00	10.6031	0.0	0.0	0.04616	0.00700	0.0	0.0	0.0	0.0
248.5000E00	10.6027	0.0	0.0	0.06144	0.00700	0.0	0.0	0.0	0.0
248.6000E00	10.6023	0.0	0.0	0.08882	0.00700	0.0	0.0	0.0	0.0
248.7000E00	10.6018	0.0	0.0	0.14483	0.00700	0.0	0.0	0.0	0.0
248.8000E00	10.6014	0.0	0.0	0.28458	0.00700	0.0	0.0	0.0	0.0
248.8500E00	10.6012	0.0	0.0	0.44129	0.00700	0.0	0.0	0.0	0.0
248.9000E00	10.6010	0.0	0.0	0.73845	0.00700	0.0	0.0	0.0	0.0
248.9500E00	10.6008	0.0	0.0	1.25219	0.00700	0.0	0.0	0.0	0.0
249.0000E00	10.6006	0.0	0.0	1.63414	0.00700	0.0	0.0	0.0	0.0
249.0500E00	10.6004	0.0	0.0	1.25245	0.00700	0.0	0.0	0.0	0.0
249.1000E00	10.6002	0.0	0.0	0.73876	0.00700	0.0	0.0	0.0	0.0
249.1500E00	10.6000	0.0	0.0	0.44158	0.00700	0.0	0.0	0.0	0.0
249.2000E00	10.5998	0.0	0.0	0.28484	0.00700	0.0	0.0	0.0	0.0
249.3000E00	10.5994	0.0	0.0	0.14505	0.00700	0.0	0.0	0.0	0.0
249.4000E00	10.5990	0.0	0.0	0.08902	0.00700	0.0	0.0	0.0	0.0
249.5000E00	10.5986	0.0	0.0	0.06164	0.00700	0.0	0.0	0.0	0.0
249.6000E00	10.5982	0.0	0.0	0.04636	0.00700	0.0	0.0	0.0	0.0
249.8000E00	10.5974	0.0	0.0	0.03088	0.00700	0.0	0.0	0.0	0.0
250.0000E00	10.5966	0.0	0.0	0.02362	0.00700	0.0	0.0	0.0	0.0
250.5000E00	10.5946	0.0	0.0	0.01641	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
251.0000E00	10.5926	5.07621	5.06229	5.04107	0.01391	0.0	0.0	0.0	0.01391
252.0000E00	10.5887	5.06866	5.05645	5.03357	0.01221	0.0	0.0	0.0	0.01221
254.0000E00	10.5808	5.05747	5.04590	5.02245	0.01157	0.0	0.0	0.0	0.01157
256.0000E00	10.5729	5.04724	5.03556	5.01230	0.01169	0.0	0.0	0.0	0.01169
258.0000E00	10.5651	5.03706	5.02500	5.00219	0.01206	0.0	0.0	0.0	0.01206
260.0000E00	10.5574	5.02667	5.01400	4.99187	0.01267	0.0	0.0	0.0	0.01267
262.0000E00	10.5498	5.01596	5.00229	4.98125	0.01367	0.0	0.0	0.0	0.01367
263.0000E00	10.5459	5.01050	4.99599	4.97583	0.01451	0.0	0.0	0.0	0.01451
264.0000E00	10.5421	5.00510	4.98915	4.97047	0.01594	0.0	0.0	0.0	0.01594
265.0000E00	10.5384	5.00039	4.98126	4.96582	0.01912	0.0	0.0	0.0	0.01912
265.5000E00	10.5365	4.99921	4.97645	4.96468	0.02277	0.0	0.0	0.0	0.02277
266.0000E00	10.5346	5.00133	4.97024	4.96683	0.03108	0.0	0.0	0.0	0.03108
266.3000E00	10.5335	5.00788	4.96504	4.97342	0.04283	0.0	0.0	0.0	0.04283
266.5000E00	10.5327	5.01904	4.96024	4.98461	0.05880	0.0	0.0	0.0	0.05880
266.7000E00	10.5320	5.04592	4.95322	5.01154	0.09269	0.0	0.0	0.0	0.09269
266.8000E00	10.5316	5.07424	4.94816	5.03989	0.12608	0.0	0.0	0.0	0.12608
266.9000E00	10.5312	5.12704	4.94120	5.09275	0.18584	0.0	0.0	0.0	0.18584
267.0000E00	10.5308	5.23905	4.93101	5.20483	0.30804	0.0	0.0	0.0	0.30804
267.1000E00	10.5305	5.52811	4.91540	5.49400	0.61271	0.0	0.0	0.0	0.61271
267.1500E00	10.5303	5.85960	4.90561	5.82556	0.95399	0.0	0.0	0.0	0.95399

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
251.0000E00	10.5926	0.0	0.0	0.01391	0.00700	0.0	0.0	0.0	0.0
252.0000E00	10.5887	0.0	0.0	0.01221	0.00700	0.0	0.0	0.0	0.0
254.0000E00	10.5808	0.0	0.0	0.01157	0.00700	0.0	0.0	0.0	0.0
256.0000E00	10.5729	0.0	0.0	0.01169	0.00700	0.0	0.0	0.0	0.0
258.0000E00	10.5651	0.0	0.0	0.01206	0.00700	0.0	0.0	0.0	0.0
260.0000E00	10.5574	0.0	0.0	0.01267	0.00700	0.0	0.0	0.0	0.0
262.0000E00	10.5498	0.0	0.0	0.01367	0.00700	0.0	0.0	0.0	0.0
263.0000E00	10.5459	0.0	0.0	0.01451	0.00700	0.0	0.0	0.0	0.0
264.0000E00	10.5421	0.0	0.0	0.01594	0.00700	0.0	0.0	0.0	0.0
265.0000E00	10.5384	0.0	0.0	0.01912	0.00700	0.0	0.0	0.0	0.0
265.5000E00	10.5365	0.0	0.0	0.02277	0.00700	0.0	0.0	0.0	0.0
266.0000E00	10.5346	0.0	0.0	0.03108	0.00700	0.0	0.0	0.0	0.0
266.3000E00	10.5335	0.0	0.0	0.04283	0.00700	0.0	0.0	0.0	0.0
266.5000E00	10.5327	0.0	0.0	0.05880	0.00700	0.0	0.0	0.0	0.0
266.7000E00	10.5320	0.0	0.0	0.09269	0.00700	0.0	0.0	0.0	0.0
266.8000E00	10.5316	0.0	0.0	0.12608	0.00700	0.0	0.0	0.0	0.0
266.9000E00	10.5312	0.0	0.0	0.18584	0.00700	0.0	0.0	0.0	0.0
267.0000E00	10.5308	0.0	0.0	0.30804	0.00700	0.0	0.0	0.0	0.0
267.1000E00	10.5305	0.0	0.0	0.61271	0.00700	0.0	0.0	0.0	0.0
267.1500E00	10.5303	0.0	0.0	0.95399	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 26

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
267.2000E00	10.5301	6.49927	4.89910	6.46527	1.60018	0.0	0.0	0.0	1.60018
267.2500E00	10.5299	7.63048	4.91606	7.59637	2.71443	0.0	0.0	0.0	2.71443
267.3000E00	10.5297	8.52984	4.98938	8.49522	3.54046	0.0	0.0	0.0	3.54046
267.3500E00	10.5295	7.77017	5.05518	7.73509	2.71499	0.0	0.0	0.0	2.71499
267.4000E00	10.5293	6.66287	5.06199	6.62774	1.60088	0.0	0.0	0.0	1.60088
267.4500E00	10.5292	6.00427	5.04958	5.96923	0.95469	0.0	0.0	0.0	0.95469
267.5000E00	10.5290	5.65007	5.03668	5.61511	0.61339	0.0	0.0	0.0	0.61339
267.6000E00	10.5286	5.32700	5.01829	5.29218	0.30872	0.0	0.0	0.0	0.30872
267.7000E00	10.5282	5.19352	5.00697	5.15877	0.18655	0.0	0.0	0.0	0.18655
267.8000E00	10.5279	5.12630	4.99944	5.09160	0.12686	0.0	0.0	0.0	0.12686
267.9000E00	10.5275	5.08759	4.99404	5.05294	0.09355	0.0	0.0	0.0	0.09355
268.1000E00	10.5267	5.04650	4.98665	5.01189	0.05984	0.0	0.0	0.0	0.05984
268.3000E00	10.5260	5.02570	4.98162	4.99113	0.04408	0.0	0.0	0.0	0.04408
268.5000E00	10.5252	5.01331	4.97778	4.97876	0.03552	0.0	0.0	0.0	0.03552
269.0000E00	10.5234	4.99659	4.97068	4.96209	0.02590	0.0	0.0	0.0	0.02590
269.5000E00	10.5215	4.98744	4.96516	4.95298	0.02228	0.0	0.0	0.0	0.02228
270.0000E00	10.5197	4.98099	4.96030	4.94657	0.02069	0.0	0.0	0.0	0.02069
271.0000E00	10.5160	4.97110	4.95131	4.93674	0.01979	0.0	0.0	0.0	0.01979
272.0000E00	10.5123	4.96266	4.94254	4.92836	0.02011	0.0	0.0	0.0	0.02011
274.0000E00	10.5050	4.94669	4.92414	4.91251	0.02255	0.0	0.0	0.0	0.02255

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
267.2000E00	10.5301	0.0	0.0	1.60018	0.00700	0.0	0.0	0.0	0.0
267.2500E00	10.5299	0.0	0.0	2.71443	0.00700	0.0	0.0	0.0	0.0
267.3000E00	10.5297	0.0	0.0	3.54046	0.00700	0.0	0.0	0.0	0.0
267.3500E00	10.5295	0.0	0.0	2.71499	0.00700	0.0	0.0	0.0	0.0
267.4000E00	10.5293	0.0	0.0	1.60088	0.00700	0.0	0.0	0.0	0.0
267.4500E00	10.5292	0.0	0.0	0.95469	0.00700	0.0	0.0	0.0	0.0
267.5000E00	10.5290	0.0	0.0	0.61339	0.00700	0.0	0.0	0.0	0.0
267.6000E00	10.5286	0.0	0.0	0.30872	0.00700	0.0	0.0	0.0	0.0
267.7000E00	10.5282	0.0	0.0	0.18655	0.00700	0.0	0.0	0.0	0.0
267.8000E00	10.5279	0.0	0.0	0.12686	0.00700	0.0	0.0	0.0	0.0
267.9000E00	10.5275	0.0	0.0	0.09355	0.00700	0.0	0.0	0.0	0.0
268.1000E00	10.5267	0.0	0.0	0.05984	0.00700	0.0	0.0	0.0	0.0
268.3000E00	10.5260	0.0	0.0	0.04408	0.00700	0.0	0.0	0.0	0.0
268.5000E00	10.5252	0.0	0.0	0.03552	0.00700	0.0	0.0	0.0	0.0
269.0000E00	10.5234	0.0	0.0	0.02590	0.00700	0.0	0.0	0.0	0.0
269.5000E00	10.5215	0.0	0.0	0.02228	0.00700	0.0	0.0	0.0	0.0
270.0000E00	10.5197	0.0	0.0	0.02069	0.00700	0.0	0.0	0.0	0.0
271.0000E00	10.5160	0.0	0.0	0.01979	0.00700	0.0	0.0	0.0	0.0
272.0000E00	10.5123	0.0	0.0	0.02011	0.00700	0.0	0.0	0.0	0.0
274.0000E00	10.5050	0.0	0.0	0.02255	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
276.0000E00	10.4977	4.93036	4.90304	4.89633	0.02732	0.0	0.0	0.0	0.02732
278.0000E00	10.4905	4.91335	4.87698	4.87951	0.03637	0.0	0.0	0.0	0.03637
280.0000E00	10.4833	4.89781	4.84147	4.86421	0.05634	0.0	0.0	0.0	0.05634
281.0000E00	10.4797	4.89414	4.81717	4.86071	0.07697	0.0	0.0	0.0	0.07697
282.0000E00	10.4762	4.90146	4.78517	4.86825	0.11629	0.0	0.0	0.0	0.11629
283.0000E00	10.4726	4.94736	4.74074	4.91446	0.20662	0.0	0.0	0.0	0.20662
284.0000E00	10.4691	5.18099	4.68230	5.14849	0.49869	0.0	0.0	0.0	0.49869
284.5000E00	10.4674	5.65239	4.67165	5.61997	0.98074	0.0	0.0	0.0	0.98074
284.7000E00	10.4667	6.09451	4.69593	6.06192	1.39858	0.0	0.0	0.0	1.39858
284.9000E00	10.4660	6.93471	4.77841	6.90155	2.15630	0.0	0.0	0.0	2.15630
285.1000E00	10.4653	8.77708	5.03246	8.74216	3.74462	0.0	0.0	0.0	3.74462
285.2000E00	10.4649	10.61106	5.33268	10.57405	5.27838	0.0	0.0	0.0	5.27838
285.3000E00	10.4646	13.87268	5.92510	13.83155	7.94757	0.0	0.0	0.0	7.94757
285.4000E00	10.4642	20.32810	7.21293	20.27804	13.11517	0.0	0.0	0.0	13.11517
285.5000E00	10.4639	34.91157	10.39304	34.83944	24.51854	0.0	0.0	0.0	24.51854
285.5500E00	10.4637	48.89954	13.64282	48.80485	35.25672	0.0	0.0	0.0	35.25672
285.6000E00	10.4635	70.17278	18.85663	70.04191	51.31615	0.0	0.0	0.0	51.31615
285.6500E00	10.4633	96.42734	25.80559	96.24825	70.62175	0.0	0.0	0.0	70.62175
285.7000E00	10.4632	111.49300	30.74782	111.28000	80.74556	0.0	0.0	0.0	80.74556
285.7500E00	10.4630	99.81632	29.20689	99.61362	70.60943	0.0	0.0	0.0	70.60943

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
276.0000E00	10.4977	0.0	0.0	0.02732	0.00700	0.0	0.0	0.0	0.0
278.0000E00	10.4905	0.0	0.0	0.03637	0.00700	0.0	0.0	0.0	0.0
280.0000E00	10.4833	0.0	0.0	0.05634	0.00700	0.0	0.0	0.0	0.0
281.0000E00	10.4797	0.0	0.0	0.07697	0.00700	0.0	0.0	0.0	0.0
282.0000E00	10.4762	0.0	0.0	0.11629	0.00700	0.0	0.0	0.0	0.0
283.0000E00	10.4726	0.0	0.0	0.20662	0.00700	0.0	0.0	0.0	0.0
284.0000E00	10.4691	0.0	0.0	0.49869	0.00700	0.0	0.0	0.0	0.0
284.5000E00	10.4674	0.0	0.0	0.98074	0.00700	0.0	0.0	0.0	0.0
284.7000E00	10.4667	0.0	0.0	1.39858	0.00700	0.0	0.0	0.0	0.0
284.9000E00	10.4660	0.0	0.0	2.15630	0.00700	0.0	0.0	0.0	0.0
285.1000E00	10.4653	0.0	0.0	3.74462	0.00700	0.0	0.0	0.0	0.0
285.2000E00	10.4649	0.0	0.0	5.27838	0.00700	0.0	0.0	0.0	0.0
285.3000E00	10.4646	0.0	0.0	7.94757	0.00700	0.0	0.0	0.0	0.0
285.4000E00	10.4642	0.0	0.0	13.11517	0.00700	0.0	0.0	0.0	0.0
285.5000E00	10.4639	0.0	0.0	24.51854	0.00700	0.0	0.0	0.0	0.0
285.5500E00	10.4637	0.0	0.0	35.25672	0.00700	0.0	0.0	0.0	0.0
285.6000E00	10.4635	0.0	0.0	51.31615	0.00700	0.0	0.0	0.0	0.0
285.6500E00	10.4633	0.0	0.0	70.62175	0.00700	0.0	0.0	0.0	0.0
285.7000E00	10.4632	0.0	0.0	80.74556	0.00700	0.0	0.0	0.0	0.0
285.7500E00	10.4630	0.0	0.0	70.60943	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 28

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
285.8000E00	10.4628	75.09676	23.79851	74.93160	51.29825	0.0	0.0	0.0	51.29825
285.8500E00	10.4626	53.97245	18.73415	53.84243	35.23829	0.0	0.0	0.0	35.23829
285.9000E00	10.4625	39.61346	15.11197	39.50859	24.50149	0.0	0.0	0.0	24.50149
286.0000E00	10.4621	24.09662	10.99505	24.02032	13.10157	0.0	0.0	0.0	13.10157
286.1000E00	10.4618	16.91314	8.97647	16.85084	7.93667	0.0	0.0	0.0	7.93667
286.2000E00	10.4614	13.13065	7.86123	13.07609	5.26942	0.0	0.0	0.0	5.26942
286.3000E00	10.4611	10.91738	7.18029	10.86755	3.73709	0.0	0.0	0.0	3.73709
286.5000E00	10.4604	8.56911	6.41841	8.52456	2.15070	0.0	0.0	0.0	2.15070
286.7000E00	10.4597	7.41056	6.01632	7.36881	1.39424	0.0	0.0	0.0	1.39424
287.0000E00	10.4586	6.52171	5.68557	6.48225	0.83614	0.0	0.0	0.0	0.83614
287.5000E00	10.4569	5.86030	5.41553	5.82272	0.44477	0.0	0.0	0.0	0.44477
288.0000E00	10.4551	5.55665	5.27824	5.52002	0.27840	0.0	0.0	0.0	0.27840
289.0000E00	10.4517	5.28269	5.13976	5.24702	0.14294	0.0	0.0	0.0	0.14294
290.0000E00	10.4482	5.15928	5.06882	5.12410	0.09046	0.0	0.0	0.0	0.09046
292.0000E00	10.4413	5.04344	4.99272	5.00879	0.05072	0.0	0.0	0.0	0.05072
294.0000E00	10.4345	4.98483	4.94829	4.95049	0.03655	0.0	0.0	0.0	0.03655
296.0000E00	10.4277	4.94609	4.91580	4.91197	0.03029	0.0	0.0	0.0	0.03029
298.0000E00	10.4210	4.91611	4.88875	4.88218	0.02736	0.0	0.0	0.0	0.02736
300.0000E00	10.4143	4.89048	4.86434	4.85673	0.02614	0.0	0.0	0.0	0.02614
302.0000E00	10.4077	4.86708	4.84103	4.83349	0.02605	0.0	0.0	0.0	0.02605

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
285.8000E00	10.4628	0.0	0.0	51.29825	0.00700	0.0	0.0	0.0	0.0
285.8500E00	10.4626	0.0	0.0	35.23829	0.00700	0.0	0.0	0.0	0.0
285.9000E00	10.4625	0.0	0.0	24.50149	0.00700	0.0	0.0	0.0	0.0
286.0000E00	10.4621	0.0	0.0	13.10157	0.00700	0.0	0.0	0.0	0.0
286.1000E00	10.4618	0.0	0.0	7.93667	0.00700	0.0	0.0	0.0	0.0
286.2000E00	10.4614	0.0	0.0	5.26942	0.00700	0.0	0.0	0.0	0.0
286.3000E00	10.4611	0.0	0.0	3.73709	0.00700	0.0	0.0	0.0	0.0
286.5000E00	10.4604	0.0	0.0	2.15070	0.00700	0.0	0.0	0.0	0.0
286.7000E00	10.4597	0.0	0.0	1.39424	0.00700	0.0	0.0	0.0	0.0
287.0000E00	10.4586	0.0	0.0	0.83614	0.00700	0.0	0.0	0.0	0.0
287.5000E00	10.4569	0.0	0.0	0.44477	0.00700	0.0	0.0	0.0	0.0
288.0000E00	10.4551	0.0	0.0	0.27840	0.00700	0.0	0.0	0.0	0.0
289.0000E00	10.4517	0.0	0.0	0.14294	0.00700	0.0	0.0	0.0	0.0
290.0000E00	10.4482	0.0	0.0	0.09046	0.00700	0.0	0.0	0.0	0.0
292.0000E00	10.4413	0.0	0.0	0.05072	0.00700	0.0	0.0	0.0	0.0
294.0000E00	10.4345	0.0	0.0	0.03655	0.00700	0.0	0.0	0.0	0.0
296.0000E00	10.4277	0.0	0.0	0.03029	0.00700	0.0	0.0	0.0	0.0
298.0000E00	10.4210	0.0	0.0	0.02736	0.00700	0.0	0.0	0.0	0.0
300.0000E00	10.4143	0.0	0.0	0.02614	0.00700	0.0	0.0	0.0	0.0
302.0000E00	10.4077	0.0	0.0	0.02605	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
304.0000E00	10.4011	4.84473	4.81772	4.81129	0.02701	0.0	0.0	0.0	0.02701
305.0000E00	10.3978	4.83372	4.80572	4.80036	0.02800	0.0	0.0	0.0	0.02800
306.0000E00	10.3945	4.82276	4.79320	4.78949	0.02956	0.0	0.0	0.0	0.02956
307.0000E00	10.3912	4.81193	4.77983	4.77875	0.03210	0.0	0.0	0.0	0.03210
308.0000E00	10.3880	4.80161	4.76494	4.76854	0.03667	0.0	0.0	0.0	0.03667
309.0000E00	10.3848	4.79353	4.74698	4.76059	0.04655	0.0	0.0	0.0	0.04655
309.5000E00	10.3831	4.79241	4.73570	4.75954	0.05671	0.0	0.0	0.0	0.05671
310.0000E00	10.3815	4.79749	4.72130	4.76473	0.07619	0.0	0.0	0.0	0.07619
310.5000E00	10.3799	4.82225	4.70053	4.78963	0.12172	0.0	0.0	0.0	0.12172
310.8000E00	10.3789	4.86819	4.68156	4.83570	0.18663	0.0	0.0	0.0	0.18663
311.0000E00	10.3783	4.93840	4.66341	4.90603	0.27499	0.0	0.0	0.0	0.27499
311.2000E00	10.3777	5.09928	4.63713	5.06710	0.46215	0.0	0.0	0.0	0.46215
311.3000E00	10.3773	5.26464	4.61909	5.23258	0.64555	0.0	0.0	0.0	0.64555
311.4000E00	10.3770	5.56776	4.59655	5.53586	0.97121	0.0	0.0	0.0	0.97121
311.5000E00	10.3767	6.19656	4.57021	6.16484	1.62635	0.0	0.0	0.0	1.62635
311.6000E00	10.3764	7.75327	4.55412	7.72166	3.19915	0.0	0.0	0.0	3.19915
311.6500E00	10.3762	9.43899	4.57423	9.40725	4.86477	0.0	0.0	0.0	4.86477
311.7000E00	10.3761	12.43429	4.66536	12.40191	7.76893	0.0	0.0	0.0	7.76893
311.7500E00	10.3759	17.05242	4.92427	17.01825	12.12816	0.0	0.0	0.0	12.12816
311.8000E00	10.3757	20.26400	5.34010	20.22694	14.92391	0.0	0.0	0.0	14.92391

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
304.0000E00	10.4011	0.0	0.0	0.02701	0.00700	0.0	0.0	0.0	0.0
305.0000E00	10.3978	0.0	0.0	0.02800	0.00700	0.0	0.0	0.0	0.0
306.0000E00	10.3945	0.0	0.0	0.02956	0.00700	0.0	0.0	0.0	0.0
307.0000E00	10.3912	0.0	0.0	0.03210	0.00700	0.0	0.0	0.0	0.0
308.0000E00	10.3880	0.0	0.0	0.03667	0.00700	0.0	0.0	0.0	0.0
309.0000E00	10.3848	0.0	0.0	0.04655	0.00700	0.0	0.0	0.0	0.0
309.5000E00	10.3831	0.0	0.0	0.05671	0.00700	0.0	0.0	0.0	0.0
310.0000E00	10.3815	0.0	0.0	0.07619	0.00700	0.0	0.0	0.0	0.0
310.5000E00	10.3799	0.0	0.0	0.12172	0.00700	0.0	0.0	0.0	0.0
310.8000E00	10.3789	0.0	0.0	0.18663	0.00700	0.0	0.0	0.0	0.0
311.0000E00	10.3783	0.0	0.0	0.27499	0.00700	0.0	0.0	0.0	0.0
311.2000E00	10.3777	0.0	0.0	0.46215	0.00700	0.0	0.0	0.0	0.0
311.3000E00	10.3773	0.0	0.0	0.64555	0.00700	0.0	0.0	0.0	0.0
311.4000E00	10.3770	0.0	0.0	0.97121	0.00700	0.0	0.0	0.0	0.0
311.5000E00	10.3767	0.0	0.0	1.62635	0.00700	0.0	0.0	0.0	0.0
311.6000E00	10.3764	0.0	0.0	3.19915	0.00700	0.0	0.0	0.0	0.0
311.6500E00	10.3762	0.0	0.0	4.86477	0.00700	0.0	0.0	0.0	0.0
311.7000E00	10.3761	0.0	0.0	7.76893	0.00700	0.0	0.0	0.0	0.0
311.7500E00	10.3759	0.0	0.0	12.12816	0.00700	0.0	0.0	0.0	0.0
311.8000E00	10.3757	0.0	0.0	14.92391	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 30

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
311.8500E00	10.3756	17.65848	5.53219	17.62008	12.12629	0.0	0.0	0.0	12.12629
311.9000E00	10.3754	13.20892	5.44233	13.17115	7.76659	0.0	0.0	0.0	7.76659
311.9500E00	10.3753	10.16380	5.30114	10.12701	4.86265	0.0	0.0	0.0	4.86265
312.0000E00	10.3751	8.38541	5.18801	8.34940	3.19740	0.0	0.0	0.0	3.19740
312.1000E00	10.3748	6.67136	5.04612	6.63634	1.62524	0.0	0.0	0.0	1.62524
312.2000E00	10.3745	5.93793	4.96736	5.90346	0.97057	0.0	0.0	0.0	0.97057
312.3000E00	10.3741	5.56404	4.91877	5.52990	0.64527	0.0	0.0	0.0	0.64527
312.4000E00	10.3738	5.34822	4.88605	5.31432	0.46217	0.0	0.0	0.0	0.46217
312.6000E00	10.3732	5.12025	4.84475	5.08663	0.27549	0.0	0.0	0.0	0.27549
312.8000E00	10.3725	5.00702	4.81948	4.97357	0.18754	0.0	0.0	0.0	0.18754
313.0000E00	10.3719	4.94149	4.80209	4.90816	0.13940	0.0	0.0	0.0	0.13940
313.5000E00	10.3703	4.85888	4.77451	4.82574	0.08436	0.0	0.0	0.0	0.08436
314.0000E00	10.3687	4.81951	4.75701	4.78650	0.06250	0.0	0.0	0.0	0.06250
315.0000E00	10.3655	4.77888	4.73293	4.74604	0.04596	0.0	0.0	0.0	0.04596
316.0000E00	10.3624	4.75482	4.71443	4.72210	0.04039	0.0	0.0	0.0	0.04039
318.0000E00	10.3560	4.72037	4.68263	4.68788	0.03775	0.0	0.0	0.0	0.03775
320.0000E00	10.3498	4.69116	4.65249	4.65887	0.03867	0.0	0.0	0.0	0.03867
322.0000E00	10.3435	4.66295	4.62190	4.63088	0.04106	0.0	0.0	0.0	0.04106
324.0000E00	10.3374	4.63436	4.58987	4.60251	0.04450	0.0	0.0	0.0	0.04450
326.0000E00	10.3312	4.60472	4.55565	4.57310	0.04907	0.0	0.0	0.0	0.04907

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
311.8500E00	10.3756	0.0	0.0	12.12629	0.00700	0.0	0.0	0.0	0.0
311.9000E00	10.3754	0.0	0.0	7.76659	0.00700	0.0	0.0	0.0	0.0
311.9500E00	10.3753	0.0	0.0	4.86265	0.00700	0.0	0.0	0.0	0.0
312.0000E00	10.3751	0.0	0.0	3.19740	0.00700	0.0	0.0	0.0	0.0
312.1000E00	10.3748	0.0	0.0	1.62524	0.00700	0.0	0.0	0.0	0.0
312.2000E00	10.3745	0.0	0.0	0.97057	0.00700	0.0	0.0	0.0	0.0
312.3000E00	10.3741	0.0	0.0	0.64527	0.00700	0.0	0.0	0.0	0.0
312.4000E00	10.3738	0.0	0.0	0.46217	0.00700	0.0	0.0	0.0	0.0
312.6000E00	10.3732	0.0	0.0	0.27549	0.00700	0.0	0.0	0.0	0.0
312.8000E00	10.3725	0.0	0.0	0.18754	0.00700	0.0	0.0	0.0	0.0
313.0000E00	10.3719	0.0	0.0	0.13940	0.00700	0.0	0.0	0.0	0.0
313.5000E00	10.3703	0.0	0.0	0.08436	0.00700	0.0	0.0	0.0	0.0
314.0000E00	10.3687	0.0	0.0	0.06250	0.00700	0.0	0.0	0.0	0.0
315.0000E00	10.3655	0.0	0.0	0.04596	0.00700	0.0	0.0	0.0	0.0
316.0000E00	10.3624	0.0	0.0	0.04039	0.00700	0.0	0.0	0.0	0.0
318.0000E00	10.3560	0.0	0.0	0.03775	0.00700	0.0	0.0	0.0	0.0
320.0000E00	10.3498	0.0	0.0	0.03867	0.00700	0.0	0.0	0.0	0.0
322.0000E00	10.3435	0.0	0.0	0.04106	0.00700	0.0	0.0	0.0	0.0
324.0000E00	10.3374	0.0	0.0	0.04450	0.00700	0.0	0.0	0.0	0.0
326.0000E00	10.3312	0.0	0.0	0.04907	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
328.0000E00	10.3251	4.57361	4.51828	4.54225	0.05533	0.0	0.0	0.0	0.05533
329.0000E00	10.3220	4.55751	4.49787	4.52629	0.05964	0.0	0.0	0.0	0.05964
330.0000E00	10.3190	4.54140	4.47558	4.51034	0.06582	0.0	0.0	0.0	0.06582
331.0000E00	10.3160	4.52733	4.44973	4.49644	0.07760	0.0	0.0	0.0	0.07760
331.5000E00	10.3145	4.52462	4.43378	4.49384	0.09084	0.0	0.0	0.0	0.09084
332.0000E00	10.3130	4.53715	4.41239	4.50652	0.12476	0.0	0.0	0.0	0.12476
332.2000E00	10.3124	4.55777	4.40026	4.52723	0.15751	0.0	0.0	0.0	0.15751
332.4000E00	10.3118	4.60963	4.38338	4.57921	0.22624	0.0	0.0	0.0	0.22624
332.5000E00	10.3115	4.66524	4.37166	4.63490	0.29357	0.0	0.0	0.0	0.29357
332.6000E00	10.3112	4.76981	4.35604	4.73957	0.41377	0.0	0.0	0.0	0.41377
332.7000E00	10.3109	4.99295	4.33399	4.96287	0.65896	0.0	0.0	0.0	0.65896
332.8000E00	10.3106	5.57090	4.30225	5.54104	1.26865	0.0	0.0	0.0	1.26865
332.8500E00	10.3104	6.23411	4.28445	6.20438	1.94966	0.0	0.0	0.0	1.94966
332.9000E00	10.3103	7.51202	4.27800	7.48233	3.23402	0.0	0.0	0.0	3.23402
332.9500E00	10.3101	9.76332	4.32974	9.73327	5.43358	0.0	0.0	0.0	5.43358
333.0000E00	10.3100	11.55402	4.50194	11.52278	7.05209	0.0	0.0	0.0	7.05209
333.0500E00	10.3098	10.07219	4.63728	10.04000	5.43490	0.0	0.0	0.0	5.43490
333.1000E00	10.3097	7.87492	4.63891	7.84272	3.23600	0.0	0.0	0.0	3.23600
333.1500E00	10.3095	6.55527	4.60320	6.52332	1.95207	0.0	0.0	0.0	1.95207
333.2000E00	10.3094	5.84132	4.56988	5.80961	1.27144	0.0	0.0	0.0	1.27144

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
328.0000E00	10.3251	0.0	0.0	0.05533	0.00700	0.0	0.0	0.0	0.0
329.0000E00	10.3220	0.0	0.0	0.05964	0.00700	0.0	0.0	0.0	0.0
330.0000E00	10.3190	0.0	0.0	0.06582	0.00700	0.0	0.0	0.0	0.0
331.0000E00	10.3160	0.0	0.0	0.07760	0.00700	0.0	0.0	0.0	0.0
331.5000E00	10.3145	0.0	0.0	0.09084	0.00700	0.0	0.0	0.0	0.0
332.0000E00	10.3130	0.0	0.0	0.12476	0.00700	0.0	0.0	0.0	0.0
332.2000E00	10.3124	0.0	0.0	0.15751	0.00700	0.0	0.0	0.0	0.0
332.4000E00	10.3118	0.0	0.0	0.22624	0.00700	0.0	0.0	0.0	0.0
332.5000E00	10.3115	0.0	0.0	0.29357	0.00700	0.0	0.0	0.0	0.0
332.6000E00	10.3112	0.0	0.0	0.41377	0.00700	0.0	0.0	0.0	0.0
332.7000E00	10.3109	0.0	0.0	0.65896	0.00700	0.0	0.0	0.0	0.0
332.8000E00	10.3106	0.0	0.0	1.26865	0.00700	0.0	0.0	0.0	0.0
332.8500E00	10.3104	0.0	0.0	1.94966	0.00700	0.0	0.0	0.0	0.0
332.9000E00	10.3103	0.0	0.0	3.23402	0.00700	0.0	0.0	0.0	0.0
332.9500E00	10.3101	0.0	0.0	5.43358	0.00700	0.0	0.0	0.0	0.0
333.0000E00	10.3100	0.0	0.0	7.05209	0.00700	0.0	0.0	0.0	0.0
333.0500E00	10.3098	0.0	0.0	5.43490	0.00700	0.0	0.0	0.0	0.0
333.1000E00	10.3097	0.0	0.0	3.23600	0.00700	0.0	0.0	0.0	0.0
333.1500E00	10.3095	0.0	0.0	1.95207	0.00700	0.0	0.0	0.0	0.0
333.2000E00	10.3094	0.0	0.0	1.27144	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
333.3000E00	10.3091	5.18679	4.52419	5.15539	0.66260	0.0	0.0	0.0	0.66260
333.4000E00	10.3088	4.91482	4.49649	4.88361	0.41833	0.0	0.0	0.0	0.41833
333.5000E00	10.3085	4.77713	4.47803	4.74605	0.29910	0.0	0.0	0.0	0.29910
333.6000E00	10.3082	4.69740	4.46465	4.66642	0.23276	0.0	0.0	0.0	0.23276
333.8000E00	10.3076	4.61193	4.44589	4.58108	0.16604	0.0	0.0	0.0	0.16604
334.0000E00	10.3070	4.56795	4.43260	4.53718	0.13534	0.0	0.0	0.0	0.13534
334.5000E00	10.3055	4.51563	4.40897	4.48503	0.10666	0.0	0.0	0.0	0.10666
335.0000E00	10.3040	4.48942	4.39063	4.45895	0.09879	0.0	0.0	0.0	0.09879
336.0000E00	10.3010	4.45665	4.35837	4.42640	0.09828	0.0	0.0	0.0	0.09828
338.0000E00	10.2950	4.40840	4.29454	4.37860	0.11387	0.0	0.0	0.0	0.11387
340.0000E00	10.2892	4.36477	4.22127	4.33547	0.14350	0.0	0.0	0.0	0.14350
342.0000E00	10.2833	4.32708	4.12587	4.29844	0.20121	0.0	0.0	0.0	0.20121
343.0000E00	10.2804	4.31859	4.06031	4.29041	0.25828	0.0	0.0	0.0	0.25828
344.0000E00	10.2775	4.34083	3.96802	4.31329	0.37281	0.0	0.0	0.0	0.37281
345.0000E00	10.2746	4.51084	3.81296	4.48438	0.69788	0.0	0.0	0.0	0.69788
345.5000E00	10.2731	4.86543	3.68058	4.83989	1.18485	0.0	0.0	0.0	1.18485
345.8000E00	10.2722	5.44119	3.56846	5.41643	1.87273	0.0	0.0	0.0	1.87273
346.0000E00	10.2717	6.28413	3.47987	6.25998	2.80426	0.0	0.0	0.0	2.80426
346.2000E00	10.2711	8.17125	3.40427	8.14762	4.76698	0.0	0.0	0.0	4.76698
346.3000E00	10.2708	10.08506	3.40575	10.06142	6.67931	0.0	0.0	0.0	6.67931

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
333.3000E00	10.3091	0.0	0.0	0.66260	0.00700	0.0	0.0	0.0	0.0
333.4000E00	10.3088	0.0	0.0	0.41833	0.00700	0.0	0.0	0.0	0.0
333.5000E00	10.3085	0.0	0.0	0.29910	0.00700	0.0	0.0	0.0	0.0
333.6000E00	10.3082	0.0	0.0	0.23276	0.00700	0.0	0.0	0.0	0.0
333.8000E00	10.3076	0.0	0.0	0.16604	0.00700	0.0	0.0	0.0	0.0
334.0000E00	10.3070	0.0	0.0	0.13534	0.00700	0.0	0.0	0.0	0.0
334.5000E00	10.3055	0.0	0.0	0.10666	0.00700	0.0	0.0	0.0	0.0
335.0000E00	10.3040	0.0	0.0	0.09879	0.00700	0.0	0.0	0.0	0.0
336.0000E00	10.3010	0.0	0.0	0.09828	0.00700	0.0	0.0	0.0	0.0
338.0000E00	10.2950	0.0	0.0	0.11387	0.00700	0.0	0.0	0.0	0.0
340.0000E00	10.2892	0.0	0.0	0.14350	0.00700	0.0	0.0	0.0	0.0
342.0000E00	10.2833	0.0	0.0	0.20121	0.00700	0.0	0.0	0.0	0.0
343.0000E00	10.2804	0.0	0.0	0.25828	0.00700	0.0	0.0	0.0	0.0
344.0000E00	10.2775	0.0	0.0	0.37281	0.00700	0.0	0.0	0.0	0.0
345.0000E00	10.2746	0.0	0.0	0.69788	0.00700	0.0	0.0	0.0	0.0
345.5000E00	10.2731	0.0	0.0	1.18485	0.00700	0.0	0.0	0.0	0.0
345.8000E00	10.2722	0.0	0.0	1.87273	0.00700	0.0	0.0	0.0	0.0
346.0000E00	10.2717	0.0	0.0	2.80426	0.00700	0.0	0.0	0.0	0.0
346.2000E00	10.2711	0.0	0.0	4.76698	0.00700	0.0	0.0	0.0	0.0
346.3000E00	10.2708	0.0	0.0	6.67931	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
346.4000E00	10.2705	13.55567	3.50455	13.53135	10.05112	0.0	0.0	0.0	10.05112
346.5000E00	10.2702	20.64284	3.89731	20.61580	16.74553	0.0	0.0	0.0	16.74553
346.6000E00	10.2699	37.65471	5.30237	37.61791	32.35234	0.0	0.0	0.0	32.35234
346.6500E00	10.2698	55.31375	7.11203	55.26439	48.20172	0.0	0.0	0.0	48.20172
346.7000E00	10.2696	84.94534	10.65294	84.87141	74.29240	0.0	0.0	0.0	74.29240
346.7500E00	10.2695	126.84000	16.68646	126.72500	110.15400	0.0	0.0	0.0	110.15400
346.8000E00	10.2693	153.87600	22.56341	153.72000	131.31300	0.0	0.0	0.0	131.31300
346.8500E00	10.2692	132.69100	22.51854	132.53500	110.17300	0.0	0.0	0.0	110.17300
346.9000E00	10.2691	92.83179	18.51208	92.70331	74.31970	0.0	0.0	0.0	74.31970
346.9500E00	10.2689	62.97940	14.74800	62.87705	48.23140	0.0	0.0	0.0	48.23140
347.0000E00	10.2688	44.50279	12.12002	44.41868	32.38277	0.0	0.0	0.0	32.38277
347.1000E00	10.2685	25.93334	9.15565	25.86980	16.77769	0.0	0.0	0.0	16.77769
347.2000E00	10.2682	17.76100	7.67472	17.70774	10.08629	0.0	0.0	0.0	10.08629
347.3000E00	10.2679	13.54883	6.83039	13.50143	6.71845	0.0	0.0	0.0	6.71845
347.4000E00	10.2676	11.10822	6.29755	11.06452	4.81067	0.0	0.0	0.0	4.81067
347.6000E00	10.2670	8.53327	5.67512	8.49388	2.85815	0.0	0.0	0.0	2.85815
347.8000E00	10.2665	7.26659	5.32893	7.22961	1.93766	0.0	0.0	0.0	1.93766
348.0000E00	10.2659	6.54650	5.11090	6.51103	1.43561	0.0	0.0	0.0	1.43561
348.5000E00	10.2645	5.68128	4.81110	5.64789	0.87018	0.0	0.0	0.0	0.87018
349.0000E00	10.2630	5.31862	4.66093	5.28627	0.65768	0.0	0.0	0.0	0.65768

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
346.4000E00	10.2705	0.0	0.0	10.05112	0.00700	0.0	0.0	0.0	0.0
346.5000E00	10.2702	0.0	0.0	16.74553	0.00700	0.0	0.0	0.0	0.0
346.6000E00	10.2699	0.0	0.0	32.35234	0.00700	0.0	0.0	0.0	0.0
346.6500E00	10.2698	0.0	0.0	48.20172	0.00700	0.0	0.0	0.0	0.0
346.7000E00	10.2696	0.0	0.0	74.29240	0.00700	0.0	0.0	0.0	0.0
346.7500E00	10.2695	0.0	0.0	110.15400	0.00700	0.0	0.0	0.0	0.0
346.8000E00	10.2693	0.0	0.0	131.31300	0.00700	0.0	0.0	0.0	0.0
346.8500E00	10.2692	0.0	0.0	110.17300	0.00700	0.0	0.0	0.0	0.0
346.9000E00	10.2691	0.0	0.0	74.31970	0.00700	0.0	0.0	0.0	0.0
346.9500E00	10.2689	0.0	0.0	48.23140	0.00700	0.0	0.0	0.0	0.0
347.0000E00	10.2688	0.0	0.0	32.38277	0.00700	0.0	0.0	0.0	0.0
347.1000E00	10.2685	0.0	0.0	16.77769	0.00700	0.0	0.0	0.0	0.0
347.2000E00	10.2682	0.0	0.0	10.08629	0.00700	0.0	0.0	0.0	0.0
347.3000E00	10.2679	0.0	0.0	6.71845	0.00700	0.0	0.0	0.0	0.0
347.4000E00	10.2676	0.0	0.0	4.81067	0.00700	0.0	0.0	0.0	0.0
347.6000E00	10.2670	0.0	0.0	2.85815	0.00700	0.0	0.0	0.0	0.0
347.8000E00	10.2665	0.0	0.0	1.93766	0.00700	0.0	0.0	0.0	0.0
348.0000E00	10.2659	0.0	0.0	1.43561	0.00700	0.0	0.0	0.0	0.0
348.5000E00	10.2645	0.0	0.0	0.87018	0.00700	0.0	0.0	0.0	0.0
349.0000E00	10.2630	0.0	0.0	0.65768	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
349.5000E00	10.2616	5.14182	4.57509	5.11007	0.56673	0.0	0.0	0.0	0.56673
350.0000E00	10.2602	5.05532	4.52473	5.02392	0.53059	0.0	0.0	0.0	0.53059
351.0000E00	10.2573	5.03010	4.49081	4.99894	0.53930	0.0	0.0	0.0	0.53930
352.0000E00	10.2545	5.14774	4.53142	5.11629	0.61632	0.0	0.0	0.0	0.61632
354.0000E00	10.2488	5.99091	4.97145	5.95640	1.01946	0.0	0.0	0.0	1.01946
355.0000E00	10.2460	7.16278	5.65523	7.12354	1.50755	0.0	0.0	0.0	1.50755
356.0000E00	10.2432	10.12808	7.47958	10.07618	2.64850	0.0	0.0	0.0	2.64850
356.5000E00	10.2418	13.69151	9.74025	13.62391	3.95126	0.0	0.0	0.0	3.95126
357.0000E00	10.2404	21.88827	15.05565	21.78379	6.83263	0.0	0.0	0.0	6.83263
357.3000E00	10.2395	33.20434	22.51813	33.04807	10.68622	0.0	0.0	0.0	10.68622
357.5000E00	10.2390	47.85042	32.28544	47.62636	15.56499	0.0	0.0	0.0	15.56499
357.7000E00	10.2384	76.05808	51.28431	75.70217	24.77377	0.0	0.0	0.0	24.77377
357.8000E00	10.2381	100.37700	67.78640	99.90657	32.59062	0.0	0.0	0.0	32.59062
357.9000E00	10.2378	136.96700	92.75939	136.32400	44.20791	0.0	0.0	0.0	44.20791
358.0000E00	10.2376	192.29900	130.77200	191.39100	61.52714	0.0	0.0	0.0	61.52714
358.1000E00	10.2373	271.41300	185.57200	270.12500	85.84129	0.0	0.0	0.0	85.84129
358.1500E00	10.2371	317.50900	217.77300	315.99700	99.73538	0.0	0.0	0.0	99.73538
358.2000E00	10.2370	361.89300	249.07000	360.16500	112.82400	0.0	0.0	0.0	112.82400
358.2500E00	10.2369	396.15700	273.66300	394.25800	122.49400	0.0	0.0	0.0	122.49400
358.3000E00	10.2367	411.50200	285.39000	409.52200	126.11200	0.0	0.0	0.0	126.11200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
349.5000E00	10.2616	0.0	0.0	0.56673	0.00700	0.0	0.0	0.0	0.0
350.0000E00	10.2602	0.0	0.0	0.53059	0.00700	0.0	0.0	0.0	0.0
351.0000E00	10.2573	0.0	0.0	0.53930	0.00700	0.0	0.0	0.0	0.0
352.0000E00	10.2545	0.0	0.0	0.61632	0.00700	0.0	0.0	0.0	0.0
354.0000E00	10.2488	0.0	0.0	1.01946	0.00700	0.0	0.0	0.0	0.0
355.0000E00	10.2460	0.0	0.0	1.50755	0.00700	0.0	0.0	0.0	0.0
356.0000E00	10.2432	0.0	0.0	2.64850	0.00700	0.0	0.0	0.0	0.0
356.5000E00	10.2418	0.0	0.0	3.95126	0.00700	0.0	0.0	0.0	0.0
357.0000E00	10.2404	0.0	0.0	6.83263	0.00700	0.0	0.0	0.0	0.0
357.3000E00	10.2395	0.0	0.0	10.68622	0.00700	0.0	0.0	0.0	0.0
357.5000E00	10.2390	0.0	0.0	15.56499	0.00700	0.0	0.0	0.0	0.0
357.7000E00	10.2384	0.0	0.0	24.77377	0.00700	0.0	0.0	0.0	0.0
357.8000E00	10.2381	0.0	0.0	32.59062	0.00700	0.0	0.0	0.0	0.0
357.9000E00	10.2378	0.0	0.0	44.20791	0.00700	0.0	0.0	0.0	0.0
358.0000E00	10.2376	0.0	0.0	61.52714	0.00700	0.0	0.0	0.0	0.0
358.1000E00	10.2373	0.0	0.0	85.84129	0.00700	0.0	0.0	0.0	0.0
358.1500E00	10.2371	0.0	0.0	99.73538	0.00700	0.0	0.0	0.0	0.0
358.2000E00	10.2370	0.0	0.0	112.82400	0.00700	0.0	0.0	0.0	0.0
358.2500E00	10.2369	0.0	0.0	122.49400	0.00700	0.0	0.0	0.0	0.0
358.3000E00	10.2367	0.0	0.0	126.11200	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
358.3500E00	10.2366	403.65300	281.12100	401.70200	122.53200	0.0	0.0	0.0	122.53200
358.4000E00	10.2364	375.73100	262.82900	373.90700	112.90200	0.0	0.0	0.0	112.90200
358.4500E00	10.2363	335.92100	236.06200	334.28300	99.85846	0.0	0.0	0.0	99.85846
358.5000E00	10.2362	292.64600	206.63200	291.21200	86.01342	0.0	0.0	0.0	86.01342
358.6000E00	10.2359	215.44600	153.63900	214.38000	61.80692	0.0	0.0	0.0	61.80692
358.7000E00	10.2356	159.57900	114.97700	158.78100	44.60262	0.0	0.0	0.0	44.60262
358.8000E00	10.2353	121.74200	88.63800	121.12700	33.10401	0.0	0.0	0.0	33.10401
358.9000E00	10.2351	96.14755	70.73895	95.65662	25.40860	0.0	0.0	0.0	25.40860
359.1000E00	10.2345	66.00633	49.55463	65.66242	16.45169	0.0	0.0	0.0	16.45169
359.3000E00	10.2339	50.32579	38.48461	50.05871	11.84118	0.0	0.0	0.0	11.84118
359.5000E00	10.2334	41.60363	32.32623	41.37929	9.27740	0.0	0.0	0.0	9.27740
360.0000E00	10.2320	33.23716	26.56031	33.05283	6.67684	0.0	0.0	0.0	6.67684
360.5000E00	10.2306	34.00834	27.56158	33.81707	6.44676	0.0	0.0	0.0	6.44676
361.0000E00	10.2292	41.58034	33.90169	41.34507	7.67865	0.0	0.0	0.0	7.67865
361.5000E00	10.2278	59.40889	48.58726	59.07169	10.82163	0.0	0.0	0.0	10.82163
362.0000E00	10.2265	100.08500	82.12501	99.51524	17.96018	0.0	0.0	0.0	17.96018
362.3000E00	10.2256	149.89900	123.34000	149.04300	26.55959	0.0	0.0	0.0	26.55959
362.5000E00	10.2251	204.25100	168.44000	203.08200	35.81169	0.0	0.0	0.0	35.81169
362.7000E00	10.2245	285.43800	236.00000	283.80000	49.43756	0.0	0.0	0.0	49.43756
362.8000E00	10.2242	338.43900	280.21700	336.49400	58.22141	0.0	0.0	0.0	58.22141

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
358.3500E00	10.2366	0.0	0.0	122.53200	0.00700	0.0	0.0	0.0	0.0
358.4000E00	10.2364	0.0	0.0	112.90200	0.00700	0.0	0.0	0.0	0.0
358.4500E00	10.2363	0.0	0.0	99.85846	0.00700	0.0	0.0	0.0	0.0
358.5000E00	10.2362	0.0	0.0	86.01342	0.00700	0.0	0.0	0.0	0.0
358.6000E00	10.2359	0.0	0.0	61.80692	0.00700	0.0	0.0	0.0	0.0
358.7000E00	10.2356	0.0	0.0	44.60262	0.00700	0.0	0.0	0.0	0.0
358.8000E00	10.2353	0.0	0.0	33.10401	0.00700	0.0	0.0	0.0	0.0
358.9000E00	10.2351	0.0	0.0	25.40860	0.00700	0.0	0.0	0.0	0.0
359.1000E00	10.2345	0.0	0.0	16.45169	0.00700	0.0	0.0	0.0	0.0
359.3000E00	10.2339	0.0	0.0	11.84118	0.00700	0.0	0.0	0.0	0.0
359.5000E00	10.2334	0.0	0.0	9.27740	0.00700	0.0	0.0	0.0	0.0
360.0000E00	10.2320	0.0	0.0	6.67684	0.00700	0.0	0.0	0.0	0.0
360.5000E00	10.2306	0.0	0.0	6.44676	0.00700	0.0	0.0	0.0	0.0
361.0000E00	10.2292	0.0	0.0	7.67865	0.00700	0.0	0.0	0.0	0.0
361.5000E00	10.2278	0.0	0.0	10.82163	0.00700	0.0	0.0	0.0	0.0
362.0000E00	10.2265	0.0	0.0	17.96018	0.00700	0.0	0.0	0.0	0.0
362.3000E00	10.2256	0.0	0.0	26.55959	0.00700	0.0	0.0	0.0	0.0
362.5000E00	10.2251	0.0	0.0	35.81169	0.00700	0.0	0.0	0.0	0.0
362.7000E00	10.2245	0.0	0.0	49.43756	0.00700	0.0	0.0	0.0	0.0
362.8000E00	10.2242	0.0	0.0	58.22141	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
362.9000E00	10.2240	399.16900	330.99400	396.87200	68.17529	0.0	0.0	0.0	68.17529
363.0000E00	10.2237	464.15100	385.48100	461.47600	78.67008	0.0	0.0	0.0	78.67008
363.1000E00	10.2234	525.85200	437.44000	522.81600	88.41157	0.0	0.0	0.0	88.41157
363.1500E00	10.2233	552.00000	459.58000	548.81000	92.41961	0.0	0.0	0.0	92.41961
363.2000E00	10.2231	572.91800	477.40800	569.60500	95.51092	0.0	0.0	0.0	95.51092
363.2500E00	10.2230	587.20000	489.73700	583.80100	97.46233	0.0	0.0	0.0	97.46233
363.3000E00	10.2229	593.83200	495.71100	590.39100	98.12093	0.0	0.0	0.0	98.12093
363.3500E00	10.2227	592.38000	494.94800	588.94500	97.43232	0.0	0.0	0.0	97.43232
363.4000E00	10.2226	583.06600	487.61400	579.68200	95.45140	0.0	0.0	0.0	95.45140
363.4500E00	10.2225	566.71500	474.38400	563.42300	92.33156	0.0	0.0	0.0	92.33156
363.5000E00	10.2223	544.60000	456.30400	541.43300	88.29630	0.0	0.0	0.0	88.29630
363.6000E00	10.2220	489.09400	410.58900	486.24500	78.50483	0.0	0.0	0.0	78.50483
363.7000E00	10.2218	427.86000	359.89500	425.36300	67.96580	0.0	0.0	0.0	67.96580
363.8000E00	10.2215	368.88800	310.91600	366.73100	57.97205	0.0	0.0	0.0	57.97205
363.9000E00	10.2212	316.24000	267.08900	314.38600	49.15108	0.0	0.0	0.0	49.15108
364.1000E00	10.2207	233.43200	197.97800	232.05800	35.45355	0.0	0.0	0.0	35.45355
364.3000E00	10.2201	176.24000	150.11300	175.19800	26.12706	0.0	0.0	0.0	26.12706
364.5000E00	10.2196	136.91000	117.11900	136.09700	19.79086	0.0	0.0	0.0	19.79086
365.0000E00	10.2182	81.66557	70.62376	81.17544	11.04180	0.0	0.0	0.0	11.04180
365.5000E00	10.2168	55.24230	48.28477	54.90721	6.95753	0.0	0.0	0.0	6.95753

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
362.9000E00	10.2240	0.0	0.0	68.17529	0.00700	0.0	0.0	0.0	0.0
363.0000E00	10.2237	0.0	0.0	78.67008	0.00700	0.0	0.0	0.0	0.0
363.1000E00	10.2234	0.0	0.0	88.41157	0.00700	0.0	0.0	0.0	0.0
363.1500E00	10.2233	0.0	0.0	92.41961	0.00700	0.0	0.0	0.0	0.0
363.2000E00	10.2231	0.0	0.0	95.51092	0.00700	0.0	0.0	0.0	0.0
363.2500E00	10.2230	0.0	0.0	97.46233	0.00700	0.0	0.0	0.0	0.0
363.3000E00	10.2229	0.0	0.0	98.12093	0.00700	0.0	0.0	0.0	0.0
363.3500E00	10.2227	0.0	0.0	97.43232	0.00700	0.0	0.0	0.0	0.0
363.4000E00	10.2226	0.0	0.0	95.45140	0.00700	0.0	0.0	0.0	0.0
363.4500E00	10.2225	0.0	0.0	92.33156	0.00700	0.0	0.0	0.0	0.0
363.5000E00	10.2223	0.0	0.0	88.29630	0.00700	0.0	0.0	0.0	0.0
363.6000E00	10.2220	0.0	0.0	78.50483	0.00700	0.0	0.0	0.0	0.0
363.7000E00	10.2218	0.0	0.0	67.96580	0.00700	0.0	0.0	0.0	0.0
363.8000E00	10.2215	0.0	0.0	57.97205	0.00700	0.0	0.0	0.0	0.0
363.9000E00	10.2212	0.0	0.0	49.15108	0.00700	0.0	0.0	0.0	0.0
364.1000E00	10.2207	0.0	0.0	35.45355	0.00700	0.0	0.0	0.0	0.0
364.3000E00	10.2201	0.0	0.0	26.12706	0.00700	0.0	0.0	0.0	0.0
364.5000E00	10.2196	0.0	0.0	19.79086	0.00700	0.0	0.0	0.0	0.0
365.0000E00	10.2182	0.0	0.0	11.04180	0.00700	0.0	0.0	0.0	0.0
365.5000E00	10.2168	0.0	0.0	6.95753	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
366.0000E00	10.2155	40.76727	35.99767	40.51744	4.76960	0.0	0.0	0.0	4.76960
367.0000E00	10.2127	26.27027	23.62866	26.10629	2.64161	0.0	0.0	0.0	2.64161
368.0000E00	10.2100	19.45266	17.77202	19.32932	1.68064	0.0	0.0	0.0	1.68064
370.0000E00	10.2046	13.31107	12.45141	13.22466	0.85966	0.0	0.0	0.0	0.85966
372.0000E00	10.1992	10.62119	10.09506	10.55113	0.52613	0.0	0.0	0.0	0.52613
374.0000E00	10.1938	9.16331	8.80522	9.10221	0.35810	0.0	0.0	0.0	0.35810
376.0000E00	10.1885	8.26398	8.00222	8.20845	0.26176	0.0	0.0	0.0	0.26176
380.0000E00	10.1779	7.22422	7.06223	7.17521	0.16200	0.0	0.0	0.0	0.16200
385.0000E00	10.1649	6.53161	6.42209	6.48704	0.10953	0.0	0.0	0.0	0.10953
388.0000E00	10.1571	6.25908	6.16095	6.21632	0.09813	0.0	0.0	0.0	0.09813
390.0000E00	10.1519	6.11067	6.01040	6.06896	0.10028	0.0	0.0	0.0	0.10028
391.0000E00	10.1494	6.04469	5.93780	6.00348	0.10688	0.0	0.0	0.0	0.10688
392.0000E00	10.1468	5.98533	5.86434	5.94463	0.12098	0.0	0.0	0.0	0.12098
393.0000E00	10.1443	5.93778	5.78692	5.89762	0.15086	0.0	0.0	0.0	0.15086
394.0000E00	10.1417	5.92295	5.70093	5.88338	0.22201	0.0	0.0	0.0	0.22201
394.5000E00	10.1405	5.95183	5.65348	5.91260	0.29835	0.0	0.0	0.0	0.29835
395.0000E00	10.1392	6.05284	5.60541	6.01394	0.44743	0.0	0.0	0.0	0.44743
395.5000E00	10.1379	6.37360	5.57470	6.33492	0.79891	0.0	0.0	0.0	0.79891
395.8000E00	10.1372	6.90371	5.60386	6.86482	1.29985	0.0	0.0	0.0	1.29985
396.0000E00	10.1367	7.67718	5.69962	7.63762	1.97756	0.0	0.0	0.0	1.97756

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
366.0000E00	10.2155	0.0	0.0	4.76960	0.00700	0.0	0.0	0.0	0.0
367.0000E00	10.2127	0.0	0.0	2.64161	0.00700	0.0	0.0	0.0	0.0
368.0000E00	10.2100	0.0	0.0	1.68064	0.00700	0.0	0.0	0.0	0.0
370.0000E00	10.2046	0.0	0.0	0.85966	0.00700	0.0	0.0	0.0	0.0
372.0000E00	10.1992	0.0	0.0	0.52613	0.00700	0.0	0.0	0.0	0.0
374.0000E00	10.1938	0.0	0.0	0.35810	0.00700	0.0	0.0	0.0	0.0
376.0000E00	10.1885	0.0	0.0	0.26176	0.00700	0.0	0.0	0.0	0.0
380.0000E00	10.1779	0.0	0.0	0.16200	0.00700	0.0	0.0	0.0	0.0
385.0000E00	10.1649	0.0	0.0	0.10953	0.00700	0.0	0.0	0.0	0.0
388.0000E00	10.1571	0.0	0.0	0.09813	0.00700	0.0	0.0	0.0	0.0
390.0000E00	10.1519	0.0	0.0	0.10028	0.00700	0.0	0.0	0.0	0.0
391.0000E00	10.1494	0.0	0.0	0.10688	0.00700	0.0	0.0	0.0	0.0
392.0000E00	10.1468	0.0	0.0	0.12098	0.00700	0.0	0.0	0.0	0.0
393.0000E00	10.1443	0.0	0.0	0.15086	0.00700	0.0	0.0	0.0	0.0
394.0000E00	10.1417	0.0	0.0	0.22201	0.00700	0.0	0.0	0.0	0.0
394.5000E00	10.1405	0.0	0.0	0.29835	0.00700	0.0	0.0	0.0	0.0
395.0000E00	10.1392	0.0	0.0	0.44743	0.00700	0.0	0.0	0.0	0.0
395.5000E00	10.1379	0.0	0.0	0.79891	0.00700	0.0	0.0	0.0	0.0
395.8000E00	10.1372	0.0	0.0	1.29985	0.00700	0.0	0.0	0.0	0.0
396.0000E00	10.1367	0.0	0.0	1.97756	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 38

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
396.2000E00	10.1362	9.38674	5.99315	9.34515	3.39359	0.0	0.0	0.0	3.39359
396.3000E00	10.1359	11.09099	6.33633	11.04702	4.75466	0.0	0.0	0.0	4.75466
396.4000E00	10.1357	14.11395	7.00563	14.06533	7.10833	0.0	0.0	0.0	7.10833
396.5000E00	10.1354	20.04695	8.43571	19.98840	11.61123	0.0	0.0	0.0	11.61123
396.6000E00	10.1352	33.16626	11.86331	33.08393	21.30295	0.0	0.0	0.0	21.30295
396.6500E00	10.1350	45.37745	15.24426	45.27166	30.13320	0.0	0.0	0.0	30.13320
396.7000E00	10.1349	63.28700	20.45468	63.14505	42.83232	0.0	0.0	0.0	42.83232
396.7500E00	10.1348	84.40687	27.06104	84.21907	57.34583	0.0	0.0	0.0	57.34583
396.8000E00	10.1347	96.25754	31.60834	96.03818	64.64921	0.0	0.0	0.0	64.64921
396.8500E00	10.1345	87.64848	30.31002	87.43813	57.33846	0.0	0.0	0.0	57.33846
396.9000E00	10.1344	68.12537	25.30414	67.94976	42.82123	0.0	0.0	0.0	42.82123
396.9500E00	10.1343	50.47637	20.35503	50.33511	30.12134	0.0	0.0	0.0	30.12134
397.0000E00	10.1342	37.96364	16.67204	37.84793	21.29160	0.0	0.0	0.0	21.29160
397.1000E00	10.1339	23.94858	12.34705	23.86289	11.60153	0.0	0.0	0.0	11.60153
397.2000E00	10.1337	17.27538	10.17546	17.20477	7.09993	0.0	0.0	0.0	7.09993
397.3000E00	10.1334	13.70946	8.96233	13.64726	4.74712	0.0	0.0	0.0	4.74712
397.4000E00	10.1332	11.60367	8.21707	11.54665	3.38660	0.0	0.0	0.0	3.38660
397.6000E00	10.1326	9.34959	7.37849	9.29838	1.97110	0.0	0.0	0.0	1.97110
397.8000E00	10.1321	8.22623	6.93275	8.17811	1.29348	0.0	0.0	0.0	1.29348
398.0000E00	10.1316	7.58038	6.66124	7.53415	0.91914	0.0	0.0	0.0	0.91914

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
396.2000E00	10.1362	0.0	0.0	3.39359	0.00700	0.0	0.0	0.0	0.0
396.3000E00	10.1359	0.0	0.0	4.75466	0.00700	0.0	0.0	0.0	0.0
396.4000E00	10.1357	0.0	0.0	7.10833	0.00700	0.0	0.0	0.0	0.0
396.5000E00	10.1354	0.0	0.0	11.61123	0.00700	0.0	0.0	0.0	0.0
396.6000E00	10.1352	0.0	0.0	21.30295	0.00700	0.0	0.0	0.0	0.0
396.6500E00	10.1350	0.0	0.0	30.13320	0.00700	0.0	0.0	0.0	0.0
396.7000E00	10.1349	0.0	0.0	42.83232	0.00700	0.0	0.0	0.0	0.0
396.7500E00	10.1348	0.0	0.0	57.34583	0.00700	0.0	0.0	0.0	0.0
396.8000E00	10.1347	0.0	0.0	64.64921	0.00700	0.0	0.0	0.0	0.0
396.8500E00	10.1345	0.0	0.0	57.33846	0.00700	0.0	0.0	0.0	0.0
396.9000E00	10.1344	0.0	0.0	42.82123	0.00700	0.0	0.0	0.0	0.0
396.9500E00	10.1343	0.0	0.0	30.12134	0.00700	0.0	0.0	0.0	0.0
397.0000E00	10.1342	0.0	0.0	21.29160	0.00700	0.0	0.0	0.0	0.0
397.1000E00	10.1339	0.0	0.0	11.60153	0.00700	0.0	0.0	0.0	0.0
397.2000E00	10.1337	0.0	0.0	7.09993	0.00700	0.0	0.0	0.0	0.0
397.3000E00	10.1334	0.0	0.0	4.74712	0.00700	0.0	0.0	0.0	0.0
397.4000E00	10.1332	0.0	0.0	3.38660	0.00700	0.0	0.0	0.0	0.0
397.6000E00	10.1326	0.0	0.0	1.97110	0.00700	0.0	0.0	0.0	0.0
397.8000E00	10.1321	0.0	0.0	1.29348	0.00700	0.0	0.0	0.0	0.0
398.0000E00	10.1316	0.0	0.0	0.91914	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
398.5000E00	10.1304	6.78484	6.29824	6.74113	0.48660	0.0	0.0	0.0	0.48660
399.0000E00	10.1291	6.42671	6.11510	6.38428	0.31162	0.0	0.0	0.0	0.31162
400.0000E00	10.1266	6.09629	5.92261	6.05518	0.17368	0.0	0.0	0.0	0.17368
402.0000E00	10.1216	5.83228	5.73653	5.79246	0.09574	0.0	0.0	0.0	0.09574
404.0000E00	10.1167	5.69613	5.62346	5.65710	0.07268	0.0	0.0	0.0	0.07268
406.0000E00	10.1117	5.59784	5.53461	5.55943	0.06323	0.0	0.0	0.0	0.06323
410.0000E00	10.1019	5.44199	5.38391	5.40463	0.05809	0.0	0.0	0.0	0.05809
415.0000E00	10.0898	5.26979	5.20435	5.23367	0.06544	0.0	0.0	0.0	0.06544
420.0000E00	10.0778	5.08670	4.98766	5.05209	0.09905	0.0	0.0	0.0	0.09905
422.0000E00	10.0731	5.00348	4.86777	4.96970	0.13571	0.0	0.0	0.0	0.13571
424.0000E00	10.0684	4.91939	4.69975	4.88677	0.21964	0.0	0.0	0.0	0.21964
425.0000E00	10.0660	4.89062	4.58077	4.85883	0.30984	0.0	0.0	0.0	0.30984
426.0000E00	10.0637	4.90828	4.41828	4.87761	0.49000	0.0	0.0	0.0	0.49000
427.0000E00	10.0613	5.11941	4.18165	5.09039	0.93776	0.0	0.0	0.0	0.93776
427.5000E00	10.0601	5.49215	4.02559	5.46421	1.46656	0.0	0.0	0.0	1.46656
428.0000E00	10.0590	6.51954	3.86863	6.49269	2.65092	0.0	0.0	0.0	2.65092
428.4000E00	10.0580	8.98843	3.88351	8.96148	5.10492	0.0	0.0	0.0	5.10492
428.6000E00	10.0576	12.00684	4.13698	11.97813	7.86986	0.0	0.0	0.0	7.86986
428.8000E00	10.0571	18.68822	5.02993	18.65332	13.65830	0.0	0.0	0.0	13.65830
428.9000E00	10.0569	25.37395	6.13577	25.33136	19.23818	0.0	0.0	0.0	19.23818

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
398.5000E00	10.1304	0.0	0.0	0.48660	0.00700	0.0	0.0	0.0	0.0
399.0000E00	10.1291	0.0	0.0	0.31162	0.00700	0.0	0.0	0.0	0.0
400.0000E00	10.1266	0.0	0.0	0.17368	0.00700	0.0	0.0	0.0	0.0
402.0000E00	10.1216	0.0	0.0	0.09574	0.00700	0.0	0.0	0.0	0.0
404.0000E00	10.1167	0.0	0.0	0.07268	0.00700	0.0	0.0	0.0	0.0
406.0000E00	10.1117	0.0	0.0	0.06323	0.00700	0.0	0.0	0.0	0.0
410.0000E00	10.1019	0.0	0.0	0.05809	0.00700	0.0	0.0	0.0	0.0
415.0000E00	10.0898	0.0	0.0	0.06544	0.00700	0.0	0.0	0.0	0.0
420.0000E00	10.0778	0.0	0.0	0.09905	0.00700	0.0	0.0	0.0	0.0
422.0000E00	10.0731	0.0	0.0	0.13571	0.00700	0.0	0.0	0.0	0.0
424.0000E00	10.0684	0.0	0.0	0.21964	0.00700	0.0	0.0	0.0	0.0
425.0000E00	10.0660	0.0	0.0	0.30984	0.00700	0.0	0.0	0.0	0.0
426.0000E00	10.0637	0.0	0.0	0.49000	0.00700	0.0	0.0	0.0	0.0
427.0000E00	10.0613	0.0	0.0	0.93776	0.00700	0.0	0.0	0.0	0.0
427.5000E00	10.0601	0.0	0.0	1.46656	0.00700	0.0	0.0	0.0	0.0
428.0000E00	10.0590	0.0	0.0	2.65092	0.00700	0.0	0.0	0.0	0.0
428.4000E00	10.0580	0.0	0.0	5.10492	0.00700	0.0	0.0	0.0	0.0
428.6000E00	10.0576	0.0	0.0	7.86986	0.00700	0.0	0.0	0.0	0.0
428.8000E00	10.0571	0.0	0.0	13.65830	0.00700	0.0	0.0	0.0	0.0
428.9000E00	10.0569	0.0	0.0	19.23818	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 40

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
429.0000E00	10.0566	37.29360	8.36764	37.23553	28.92596	0.0	0.0	0.0	28.92596
429.1000E00	10.0564	60.89535	13.29613	60.80307	47.59922	0.0	0.0	0.0	47.59922
429.2000E00	10.0562	113.98900	25.56598	113.81200	88.42346	0.0	0.0	0.0	88.42346
429.2500E00	10.0561	164.49100	38.09874	164.22600	126.39200	0.0	0.0	0.0	126.39200
429.3000E00	10.0559	240.44000	58.10446	240.03700	182.33600	0.0	0.0	0.0	182.33600
429.3500E00	10.0558	332.91300	84.62455	332.32500	248.28800	0.0	0.0	0.0	248.28800
429.4000E00	10.0557	386.19700	103.87300	385.47600	282.32400	0.0	0.0	0.0	282.32400
429.4500E00	10.0556	347.54600	99.28675	346.85700	248.25900	0.0	0.0	0.0	248.25900
429.5000E00	10.0555	261.92900	79.63547	261.37600	182.29400	0.0	0.0	0.0	182.29400
429.5500E00	10.0554	186.82900	60.48008	186.40900	126.34900	0.0	0.0	0.0	126.34900
429.6000E00	10.0552	134.81900	46.43574	134.49600	88.38289	0.0	0.0	0.0	88.38289
429.7000E00	10.0550	77.69834	30.13145	77.48923	47.56689	0.0	0.0	0.0	47.56689
429.8000E00	10.0548	50.89118	21.99094	50.73857	28.90024	0.0	0.0	0.0	28.90024
429.9000E00	10.0545	36.66032	17.44302	36.53927	19.21731	0.0	0.0	0.0	19.21731
430.0000E00	10.0543	28.28522	14.64417	28.18359	13.64105	0.0	0.0	0.0	13.64105
430.2000E00	10.0538	19.34449	11.48685	19.26477	7.85764	0.0	0.0	0.0	7.85764
430.4000E00	10.0534	14.90196	9.80589	14.83391	5.09607	0.0	0.0	0.0	5.09607
430.7000E00	10.0527	11.46958	8.41249	11.41119	3.05709	0.0	0.0	0.0	3.05709
431.0000E00	10.0520	9.66492	7.62271	9.61202	2.04221	0.0	0.0	0.0	2.04221
431.5000E00	10.0508	8.08435	6.87398	8.03664	1.21037	0.0	0.0	0.0	1.21037

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
429.0000E00	10.0566	0.0	0.0	28.92596	0.00700	0.0	0.0	0.0	0.0
429.1000E00	10.0564	0.0	0.0	47.59922	0.00700	0.0	0.0	0.0	0.0
429.2000E00	10.0562	0.0	0.0	88.42346	0.00700	0.0	0.0	0.0	0.0
429.2500E00	10.0561	0.0	0.0	126.39200	0.00700	0.0	0.0	0.0	0.0
429.3000E00	10.0559	0.0	0.0	182.33600	0.00700	0.0	0.0	0.0	0.0
429.3500E00	10.0558	0.0	0.0	248.28800	0.00700	0.0	0.0	0.0	0.0
429.4000E00	10.0557	0.0	0.0	282.32400	0.00700	0.0	0.0	0.0	0.0
429.4500E00	10.0556	0.0	0.0	248.25900	0.00700	0.0	0.0	0.0	0.0
429.5000E00	10.0555	0.0	0.0	182.29400	0.00700	0.0	0.0	0.0	0.0
429.5500E00	10.0554	0.0	0.0	126.34900	0.00700	0.0	0.0	0.0	0.0
429.6000E00	10.0552	0.0	0.0	88.38289	0.00700	0.0	0.0	0.0	0.0
429.7000E00	10.0550	0.0	0.0	47.56689	0.00700	0.0	0.0	0.0	0.0
429.8000E00	10.0548	0.0	0.0	28.90024	0.00700	0.0	0.0	0.0	0.0
429.9000E00	10.0545	0.0	0.0	19.21731	0.00700	0.0	0.0	0.0	0.0
430.0000E00	10.0543	0.0	0.0	13.64105	0.00700	0.0	0.0	0.0	0.0
430.2000E00	10.0538	0.0	0.0	7.85764	0.00700	0.0	0.0	0.0	0.0
430.4000E00	10.0534	0.0	0.0	5.09607	0.00700	0.0	0.0	0.0	0.0
430.7000E00	10.0527	0.0	0.0	3.05709	0.00700	0.0	0.0	0.0	0.0
431.0000E00	10.0520	0.0	0.0	2.04221	0.00700	0.0	0.0	0.0	0.0
431.5000E00	10.0508	0.0	0.0	1.21037	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
432.0000E00	10.0497	7.25430	6.44522	7.20957	0.80908	0.0	0.0	0.0	0.80908
433.0000E00	10.0474	6.41981	5.97064	6.37837	0.44917	0.0	0.0	0.0	0.44917
434.0000E00	10.0451	6.00687	5.70855	5.96725	0.29832	0.0	0.0	0.0	0.29832
436.0000E00	10.0405	5.59145	5.41227	5.55388	0.17917	0.0	0.0	0.0	0.17917
438.0000E00	10.0359	5.37023	5.23276	5.33392	0.13747	0.0	0.0	0.0	0.13747
440.0000E00	10.0313	5.22104	5.09896	5.18565	0.12208	0.0	0.0	0.0	0.12208
445.0000E00	10.0200	4.96321	4.83380	4.92967	0.12941	0.0	0.0	0.0	0.12941
450.0000E00	10.0088	4.77698	4.59236	4.74510	0.18461	0.0	0.0	0.0	0.18461
455.0000E00	9.9978	4.72816	4.38912	4.69770	0.33905	0.0	0.0	0.0	0.33905
460.0000E00	9.9869	5.69187	4.76075	5.65883	0.93113	0.0	0.0	0.0	0.93113
462.0000E00	9.9825	7.86630	6.10587	7.82392	1.76043	0.0	0.0	0.0	1.76043
463.0000E00	9.9804	10.67674	7.99982	10.62122	2.67692	0.0	0.0	0.0	2.67692
464.0000E00	9.9782	17.05142	12.49312	16.96472	4.55830	0.0	0.0	0.0	4.55830
465.0000E00	9.9761	35.08523	25.67154	34.90706	9.41368	0.0	0.0	0.0	9.41368
465.5000E00	9.9750	58.38805	43.05608	58.08924	15.33197	0.0	0.0	0.0	15.33197
466.0000E00	9.9739	113.86100	85.02216	113.27100	28.83849	0.0	0.0	0.0	28.83849
466.2000E00	9.9735	158.32000	118.94300	157.49500	39.37675	0.0	0.0	0.0	39.37675
466.4000E00	9.9731	230.49300	174.30900	229.28400	56.18404	0.0	0.0	0.0	56.18404
466.6000E00	9.9726	352.79600	268.67100	350.93200	84.12578	0.0	0.0	0.0	84.12578
466.7000E00	9.9724	443.63300	339.07200	441.28000	104.56100	0.0	0.0	0.0	104.56100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
432.0000E00	10.0497	0.0	0.0	0.80908	0.00700	0.0	0.0	0.0	0.0
433.0000E00	10.0474	0.0	0.0	0.44917	0.00700	0.0	0.0	0.0	0.0
434.0000E00	10.0451	0.0	0.0	0.29832	0.00700	0.0	0.0	0.0	0.0
436.0000E00	10.0405	0.0	0.0	0.17917	0.00700	0.0	0.0	0.0	0.0
438.0000E00	10.0359	0.0	0.0	0.13747	0.00700	0.0	0.0	0.0	0.0
440.0000E00	10.0313	0.0	0.0	0.12208	0.00700	0.0	0.0	0.0	0.0
445.0000E00	10.0200	0.0	0.0	0.12941	0.00700	0.0	0.0	0.0	0.0
450.0000E00	10.0088	0.0	0.0	0.18461	0.00700	0.0	0.0	0.0	0.0
455.0000E00	9.9978	0.0	0.0	0.33905	0.00700	0.0	0.0	0.0	0.0
460.0000E00	9.9869	0.0	0.0	0.93113	0.00700	0.0	0.0	0.0	0.0
462.0000E00	9.9825	0.0	0.0	1.76043	0.00700	0.0	0.0	0.0	0.0
463.0000E00	9.9804	0.0	0.0	2.67692	0.00700	0.0	0.0	0.0	0.0
464.0000E00	9.9782	0.0	0.0	4.55830	0.00700	0.0	0.0	0.0	0.0
465.0000E00	9.9761	0.0	0.0	9.41368	0.00700	0.0	0.0	0.0	0.0
465.5000E00	9.9750	0.0	0.0	15.33197	0.00700	0.0	0.0	0.0	0.0
466.0000E00	9.9739	0.0	0.0	28.83849	0.00700	0.0	0.0	0.0	0.0
466.2000E00	9.9735	0.0	0.0	39.37675	0.00700	0.0	0.0	0.0	0.0
466.4000E00	9.9731	0.0	0.0	56.18404	0.00700	0.0	0.0	0.0	0.0
466.6000E00	9.9726	0.0	0.0	84.12578	0.00700	0.0	0.0	0.0	0.0
466.7000E00	9.9724	0.0	0.0	104.56100	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 42

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
466.8000E00	9.9722	560.41800	429.91400	557.43400	130.50400	0.0	0.0	0.0	130.50400
466.9000E00	9.9720	703.14600	541.43200	699.38900	161.71500	0.0	0.0	0.0	161.71500
467.0000E00	9.9718	858.97100	663.93700	854.36400	195.03400	0.0	0.0	0.0	195.03400
467.0500E00	9.9717	931.81100	721.62000	926.80300	210.19100	0.0	0.0	0.0	210.19100
467.1000E00	9.9716	993.13900	770.59700	987.79100	222.54200	0.0	0.0	0.0	222.54200
467.1500E00	9.9714	1036.36400	805.69300	1030.77200	230.67100	0.0	0.0	0.0	230.67100
467.2000E00	9.9713	1056.27100	822.76500	1050.56100	233.50600	0.0	0.0	0.0	233.50600
467.2500E00	9.9712	1050.55100	819.90500	1044.86100	230.64600	0.0	0.0	0.0	230.64600
467.3000E00	9.9711	1020.51300	798.01800	1014.97400	222.49500	0.0	0.0	0.0	222.49500
467.3500E00	9.9710	970.58900	760.46600	965.31200	210.12300	0.0	0.0	0.0	210.12300
467.4000E00	9.9709	906.94500	711.99400	902.00400	194.95100	0.0	0.0	0.0	194.95100
467.5000E00	9.9707	762.80500	601.19400	758.63200	161.61100	0.0	0.0	0.0	161.61100
467.6000E00	9.9705	624.60000	494.20800	621.17100	130.39200	0.0	0.0	0.0	130.39200
467.7000E00	9.9703	507.90300	403.45300	505.10300	104.45000	0.0	0.0	0.0	104.45000
467.8000E00	9.9701	414.83600	330.81800	412.54000	84.01797	0.0	0.0	0.0	84.01797
468.0000E00	9.9696	285.71700	229.62900	284.12300	56.08812	0.0	0.0	0.0	56.08812
468.2000E00	9.9692	206.67800	167.38500	205.51700	39.29282	0.0	0.0	0.0	39.29282
468.5000E00	9.9686	137.95600	112.99200	137.17200	24.96433	0.0	0.0	0.0	24.96433
469.0000E00	9.9675	82.55921	68.83555	82.08149	13.72365	0.0	0.0	0.0	13.72365
469.5000E00	9.9664	56.45780	47.85505	56.12568	8.60275	0.0	0.0	0.0	8.60275

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
466.8000E00	9.9722	0.0	0.0	130.50400	0.00700	0.0	0.0	0.0	0.0
466.9000E00	9.9720	0.0	0.0	161.71500	0.00700	0.0	0.0	0.0	0.0
467.0000E00	9.9718	0.0	0.0	195.03400	0.00700	0.0	0.0	0.0	0.0
467.0500E00	9.9717	0.0	0.0	210.19100	0.00700	0.0	0.0	0.0	0.0
467.1000E00	9.9716	0.0	0.0	222.54200	0.00700	0.0	0.0	0.0	0.0
467.1500E00	9.9714	0.0	0.0	230.67100	0.00700	0.0	0.0	0.0	0.0
467.2000E00	9.9713	0.0	0.0	233.50600	0.00700	0.0	0.0	0.0	0.0
467.2500E00	9.9712	0.0	0.0	230.64600	0.00700	0.0	0.0	0.0	0.0
467.3000E00	9.9711	0.0	0.0	222.49500	0.00700	0.0	0.0	0.0	0.0
467.3500E00	9.9710	0.0	0.0	210.12300	0.00700	0.0	0.0	0.0	0.0
467.4000E00	9.9709	0.0	0.0	194.95100	0.00700	0.0	0.0	0.0	0.0
467.5000E00	9.9707	0.0	0.0	161.61100	0.00700	0.0	0.0	0.0	0.0
467.6000E00	9.9705	0.0	0.0	130.39200	0.00700	0.0	0.0	0.0	0.0
467.7000E00	9.9703	0.0	0.0	104.45000	0.00700	0.0	0.0	0.0	0.0
467.8000E00	9.9701	0.0	0.0	84.01797	0.00700	0.0	0.0	0.0	0.0
468.0000E00	9.9696	0.0	0.0	56.08812	0.00700	0.0	0.0	0.0	0.0
468.2000E00	9.9692	0.0	0.0	39.29282	0.00700	0.0	0.0	0.0	0.0
468.5000E00	9.9686	0.0	0.0	24.96433	0.00700	0.0	0.0	0.0	0.0
469.0000E00	9.9675	0.0	0.0	13.72365	0.00700	0.0	0.0	0.0	0.0
469.5000E00	9.9664	0.0	0.0	8.60275	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
470.0000E00	9.9654	42.11728	36.24024	41.86577	5.87704	0.0	0.0	0.0	5.87704
471.0000E00	9.9632	27.60572	24.37371	27.43657	3.23201	0.0	0.0	0.0	3.23201
472.0000E00	9.9611	20.67851	18.63804	20.54916	2.04047	0.0	0.0	0.0	2.04047
474.0000E00	9.9569	14.33901	13.30968	14.24664	1.02933	0.0	0.0	0.0	1.02933
475.0000E00	9.9548	12.69168	11.90295	12.60907	0.78873	0.0	0.0	0.0	0.78873
476.0000E00	9.9527	11.51695	10.88955	11.44138	0.62740	0.0	0.0	0.0	0.62740
477.0000E00	9.9506	10.64396	10.12574	10.57369	0.51822	0.0	0.0	0.0	0.51822
477.5000E00	9.9495	10.28939	9.80880	10.22132	0.48059	0.0	0.0	0.0	0.48059
478.0000E00	9.9485	9.98135	9.52317	9.91526	0.45818	0.0	0.0	0.0	0.45818
478.3000E00	9.9479	9.82073	9.36269	9.75575	0.45804	0.0	0.0	0.0	0.45804
478.6000E00	9.9472	9.68746	9.20636	9.62357	0.48110	0.0	0.0	0.0	0.48110
478.8000E00	9.9468	9.62840	9.10127	9.56524	0.52713	0.0	0.0	0.0	0.52713
479.0000E00	9.9464	9.63010	8.99063	9.56770	0.63947	0.0	0.0	0.0	0.63947
479.1000E00	9.9462	9.68645	8.93045	9.62447	0.75600	0.0	0.0	0.0	0.75600
479.2000E00	9.9460	9.83318	8.86421	9.77166	0.96896	0.0	0.0	0.0	0.96896
479.3000E00	9.9458	10.19779	8.78864	10.13680	1.40915	0.0	0.0	0.0	1.40915
479.4000E00	9.9456	11.21197	8.70407	11.15157	2.50791	0.0	0.0	0.0	2.50791
479.4500E00	9.9455	12.40011	8.66965	12.33994	3.73046	0.0	0.0	0.0	3.73046
479.5000E00	9.9454	14.69342	8.67860	14.63319	6.01482	0.0	0.0	0.0	6.01482
479.5500E00	9.9452	18.69709	8.83903	18.63575	9.85806	0.0	0.0	0.0	9.85806

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
470.0000E00	9.9654	0.0	0.0	5.87704	0.00700	0.0	0.0	0.0	0.0
471.0000E00	9.9632	0.0	0.0	3.23201	0.00700	0.0	0.0	0.0	0.0
472.0000E00	9.9611	0.0	0.0	2.04047	0.00700	0.0	0.0	0.0	0.0
474.0000E00	9.9569	0.0	0.0	1.02933	0.00700	0.0	0.0	0.0	0.0
475.0000E00	9.9548	0.0	0.0	0.78873	0.00700	0.0	0.0	0.0	0.0
476.0000E00	9.9527	0.0	0.0	0.62740	0.00700	0.0	0.0	0.0	0.0
477.0000E00	9.9506	0.0	0.0	0.51822	0.00700	0.0	0.0	0.0	0.0
477.5000E00	9.9495	0.0	0.0	0.48059	0.00700	0.0	0.0	0.0	0.0
478.0000E00	9.9485	0.0	0.0	0.45818	0.00700	0.0	0.0	0.0	0.0
478.3000E00	9.9479	0.0	0.0	0.45804	0.00700	0.0	0.0	0.0	0.0
478.6000E00	9.9472	0.0	0.0	0.48110	0.00700	0.0	0.0	0.0	0.0
478.8000E00	9.9468	0.0	0.0	0.52713	0.00700	0.0	0.0	0.0	0.0
479.0000E00	9.9464	0.0	0.0	0.63947	0.00700	0.0	0.0	0.0	0.0
479.1000E00	9.9462	0.0	0.0	0.75600	0.00700	0.0	0.0	0.0	0.0
479.2000E00	9.9460	0.0	0.0	0.96896	0.00700	0.0	0.0	0.0	0.0
479.3000E00	9.9458	0.0	0.0	1.40915	0.00700	0.0	0.0	0.0	0.0
479.4000E00	9.9456	0.0	0.0	2.50791	0.00700	0.0	0.0	0.0	0.0
479.4500E00	9.9455	0.0	0.0	3.73046	0.00700	0.0	0.0	0.0	0.0
479.5000E00	9.9454	0.0	0.0	6.01482	0.00700	0.0	0.0	0.0	0.0
479.5500E00	9.9452	0.0	0.0	9.85806	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 44

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
479.6000E00	9.9451	21.86302	9.23419	21.79893	12.62883	0.0	0.0	0.0	12.62883
479.6500E00	9.9450	19.31533	9.46311	19.24966	9.85222	0.0	0.0	0.0	9.85222
479.7000E00	9.9449	15.39729	9.39334	15.33210	6.00395	0.0	0.0	0.0	6.00395
479.7500E00	9.9448	12.98083	9.26597	12.91652	3.71486	0.0	0.0	0.0	3.71486
479.8000E00	9.9447	11.64693	9.15932	11.58337	2.48762	0.0	0.0	0.0	2.48762
479.9000E00	9.9445	10.39150	9.01211	10.32895	1.37938	0.0	0.0	0.0	1.37938
480.0000E00	9.9443	9.84448	8.91487	9.78261	0.92961	0.0	0.0	0.0	0.92961
480.1000E00	9.9441	9.54902	8.84203	9.48765	0.70698	0.0	0.0	0.0	0.70698
480.2000E00	9.9439	9.36321	8.78249	9.30226	0.58072	0.0	0.0	0.0	0.58072
480.4000E00	9.9435	9.13345	8.68474	9.07318	0.44871	0.0	0.0	0.0	0.44871
480.6000E00	9.9431	8.98517	8.60244	8.92547	0.38273	0.0	0.0	0.0	0.38273
481.0000E00	9.9422	8.77823	8.46116	8.71951	0.31706	0.0	0.0	0.0	0.31706
481.5000E00	9.9412	8.58491	8.30877	8.52724	0.27614	0.0	0.0	0.0	0.27614
482.0000E00	9.9402	8.42379	8.17326	8.36707	0.25053	0.0	0.0	0.0	0.25053
483.0000E00	9.9381	8.15356	7.93732	8.09847	0.21624	0.0	0.0	0.0	0.21624
484.0000E00	9.9360	7.92825	7.73607	7.87456	0.19218	0.0	0.0	0.0	0.19218
486.0000E00	9.9319	7.56626	7.40713	7.51485	0.15913	0.0	0.0	0.0	0.15913
488.0000E00	9.9278	7.28521	7.14690	7.23561	0.13831	0.0	0.0	0.0	0.13831
490.0000E00	9.9237	7.05978	6.93365	7.01166	0.12613	0.0	0.0	0.0	0.12613
495.0000E00	9.9135	6.66531	6.53246	6.61998	0.13285	0.0	0.0	0.0	0.13285

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
479.6000E00	9.9451	0.0	0.0	12.62883	0.00700	0.0	0.0	0.0	0.0
479.6500E00	9.9450	0.0	0.0	9.85222	0.00700	0.0	0.0	0.0	0.0
479.7000E00	9.9449	0.0	0.0	6.00395	0.00700	0.0	0.0	0.0	0.0
479.7500E00	9.9448	0.0	0.0	3.71486	0.00700	0.0	0.0	0.0	0.0
479.8000E00	9.9447	0.0	0.0	2.48762	0.00700	0.0	0.0	0.0	0.0
479.9000E00	9.9445	0.0	0.0	1.37938	0.00700	0.0	0.0	0.0	0.0
480.0000E00	9.9443	0.0	0.0	0.92961	0.00700	0.0	0.0	0.0	0.0
480.1000E00	9.9441	0.0	0.0	0.70698	0.00700	0.0	0.0	0.0	0.0
480.2000E00	9.9439	0.0	0.0	0.58072	0.00700	0.0	0.0	0.0	0.0
480.4000E00	9.9435	0.0	0.0	0.44871	0.00700	0.0	0.0	0.0	0.0
480.6000E00	9.9431	0.0	0.0	0.38273	0.00700	0.0	0.0	0.0	0.0
481.0000E00	9.9422	0.0	0.0	0.31706	0.00700	0.0	0.0	0.0	0.0
481.5000E00	9.9412	0.0	0.0	0.27614	0.00700	0.0	0.0	0.0	0.0
482.0000E00	9.9402	0.0	0.0	0.25053	0.00700	0.0	0.0	0.0	0.0
483.0000E00	9.9381	0.0	0.0	0.21624	0.00700	0.0	0.0	0.0	0.0
484.0000E00	9.9360	0.0	0.0	0.19218	0.00700	0.0	0.0	0.0	0.0
486.0000E00	9.9319	0.0	0.0	0.15913	0.00700	0.0	0.0	0.0	0.0
488.0000E00	9.9278	0.0	0.0	0.13831	0.00700	0.0	0.0	0.0	0.0
490.0000E00	9.9237	0.0	0.0	0.12613	0.00700	0.0	0.0	0.0	0.0
495.0000E00	9.9135	0.0	0.0	0.13285	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
498.0000E00	9.9075	6.56855	6.37841	6.52428	0.19013	0.0	0.0	0.0	0.19013
500.0000E00	9.9035	6.70505	6.39230	6.66069	0.31275	0.0	0.0	0.0	0.31275
501.0000E00	9.9015	6.99029	6.53346	6.94495	0.45683	0.0	0.0	0.0	0.45683
502.0000E00	9.8995	7.75395	6.98580	7.70546	0.76815	0.0	0.0	0.0	0.76815
503.0000E00	9.8975	10.24766	8.60767	10.18793	1.64000	0.0	0.0	0.0	1.64000
503.5000E00	9.8965	13.89006	11.07921	13.81317	2.81085	0.0	0.0	0.0	2.81085
504.0000E00	9.8955	23.93997	18.07800	23.81451	5.86197	0.0	0.0	0.0	5.86197
504.2000E00	9.8951	33.17491	24.60456	33.00416	8.57036	0.0	0.0	0.0	8.57036
504.4000E00	9.8947	50.06313	36.65316	49.80876	13.40997	0.0	0.0	0.0	13.40997
504.5000E00	9.8945	63.68747	46.44159	63.36517	17.24589	0.0	0.0	0.0	17.24589
504.6000E00	9.8943	82.70049	60.17580	82.28287	22.52469	0.0	0.0	0.0	22.52469
504.7000E00	9.8941	108.50900	78.93595	107.96100	29.57268	0.0	0.0	0.0	29.57268
504.8000E00	9.8939	140.40900	102.31600	139.69900	38.09337	0.0	0.0	0.0	38.09337
504.8500E00	9.8938	156.82000	114.45200	156.02600	42.36766	0.0	0.0	0.0	42.36766
504.9000E00	9.8937	171.41800	125.35800	170.54800	46.05955	0.0	0.0	0.0	46.05955
504.9500E00	9.8936	182.08800	133.48800	181.16100	48.60013	0.0	0.0	0.0	48.60013
505.0000E00	9.8935	186.96500	137.45600	186.01100	49.50886	0.0	0.0	0.0	49.50886
505.0500E00	9.8934	185.19000	136.59500	184.24200	48.59515	0.0	0.0	0.0	48.59515
505.1000E00	9.8933	177.29800	131.24800	176.38700	46.05011	0.0	0.0	0.0	46.05011
505.1500E00	9.8932	164.93100	122.57700	164.08100	42.35458	0.0	0.0	0.0	42.35458

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
498.0000E00	9.9075	0.0	0.0	0.19013	0.00700	0.0	0.0	0.0	0.0
500.0000E00	9.9035	0.0	0.0	0.31275	0.00700	0.0	0.0	0.0	0.0
501.0000E00	9.9015	0.0	0.0	0.45683	0.00700	0.0	0.0	0.0	0.0
502.0000E00	9.8995	0.0	0.0	0.76815	0.00700	0.0	0.0	0.0	0.0
503.0000E00	9.8975	0.0	0.0	1.64000	0.00700	0.0	0.0	0.0	0.0
503.5000E00	9.8965	0.0	0.0	2.81085	0.00700	0.0	0.0	0.0	0.0
504.0000E00	9.8955	0.0	0.0	5.86197	0.00700	0.0	0.0	0.0	0.0
504.2000E00	9.8951	0.0	0.0	8.57036	0.00700	0.0	0.0	0.0	0.0
504.4000E00	9.8947	0.0	0.0	13.40997	0.00700	0.0	0.0	0.0	0.0
504.5000E00	9.8945	0.0	0.0	17.24589	0.00700	0.0	0.0	0.0	0.0
504.6000E00	9.8943	0.0	0.0	22.52469	0.00700	0.0	0.0	0.0	0.0
504.7000E00	9.8941	0.0	0.0	29.57268	0.00700	0.0	0.0	0.0	0.0
504.8000E00	9.8939	0.0	0.0	38.09337	0.00700	0.0	0.0	0.0	0.0
504.8500E00	9.8938	0.0	0.0	42.36766	0.00700	0.0	0.0	0.0	0.0
504.9000E00	9.8937	0.0	0.0	46.05955	0.00700	0.0	0.0	0.0	0.0
504.9500E00	9.8936	0.0	0.0	48.60013	0.00700	0.0	0.0	0.0	0.0
505.0000E00	9.8935	0.0	0.0	49.50886	0.00700	0.0	0.0	0.0	0.0
505.0500E00	9.8934	0.0	0.0	48.59515	0.00700	0.0	0.0	0.0	0.0
505.1000E00	9.8933	0.0	0.0	46.05011	0.00700	0.0	0.0	0.0	0.0
505.1500E00	9.8932	0.0	0.0	42.35458	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 46

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
505.2000E00	9.8931	150.13000	112.05300	149.35300	38.07763	0.0	0.0	0.0	38.07763
505.3000E00	9.8929	119.82000	90.26555	119.19300	29.55413	0.0	0.0	0.0	29.55413
505.4000E00	9.8927	94.17535	71.66982	93.67796	22.50553	0.0	0.0	0.0	22.50553
505.5000E00	9.8925	74.65482	57.42765	74.25627	17.22717	0.0	0.0	0.0	17.22717
505.6000E00	9.8923	60.28007	46.88800	59.95467	13.39206	0.0	0.0	0.0	13.39206
505.8000E00	9.8920	41.84558	33.29144	41.61454	8.55415	0.0	0.0	0.0	8.55415
506.0000E00	9.8916	31.31447	25.46741	31.13773	5.84706	0.0	0.0	0.0	5.84706
506.5000E00	9.8906	19.09849	16.30096	18.98536	2.79754	0.0	0.0	0.0	2.79754
507.0000E00	9.8896	14.19643	12.56956	14.10920	1.62687	0.0	0.0	0.0	1.62687
508.0000E00	9.8876	10.32625	9.57269	10.25982	0.75357	0.0	0.0	0.0	0.75357
510.0000E00	9.8837	8.04967	7.75707	7.99583	0.29259	0.0	0.0	0.0	0.29259
515.0000E00	9.8739	6.79849	6.70624	6.75194	0.09224	0.0	0.0	0.0	0.09224
520.0000E00	9.8643	6.42679	6.37383	6.38255	0.05296	0.0	0.0	0.0	0.05296
525.0000E00	9.8547	6.22379	6.18518	6.18087	0.03861	0.0	0.0	0.0	0.03861
530.0000E00	9.8452	6.08115	6.04878	6.03918	0.03237	0.0	0.0	0.0	0.03237
535.0000E00	9.8358	5.96516	5.93464	5.92398	0.03052	0.0	0.0	0.0	0.03052
540.0000E00	9.8265	5.85910	5.82594	5.81867	0.03317	0.0	0.0	0.0	0.03317
545.0000E00	9.8173	5.74883	5.70264	5.70926	0.04619	0.0	0.0	0.0	0.04619
547.0000E00	9.8136	5.70001	5.63955	5.66088	0.06047	0.0	0.0	0.0	0.06047
549.0000E00	9.8100	5.65003	5.55741	5.61147	0.09262	0.0	0.0	0.0	0.09262

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
505.2000E00	9.8931	0.0	0.0	38.07763	0.00700	0.0	0.0	0.0	0.0
505.3000E00	9.8929	0.0	0.0	29.55413	0.00700	0.0	0.0	0.0	0.0
505.4000E00	9.8927	0.0	0.0	22.50553	0.00700	0.0	0.0	0.0	0.0
505.5000E00	9.8925	0.0	0.0	17.22717	0.00700	0.0	0.0	0.0	0.0
505.6000E00	9.8923	0.0	0.0	13.39206	0.00700	0.0	0.0	0.0	0.0
505.8000E00	9.8920	0.0	0.0	8.55415	0.00700	0.0	0.0	0.0	0.0
506.0000E00	9.8916	0.0	0.0	5.84706	0.00700	0.0	0.0	0.0	0.0
506.5000E00	9.8906	0.0	0.0	2.79754	0.00700	0.0	0.0	0.0	0.0
507.0000E00	9.8896	0.0	0.0	1.62687	0.00700	0.0	0.0	0.0	0.0
508.0000E00	9.8876	0.0	0.0	0.75357	0.00700	0.0	0.0	0.0	0.0
510.0000E00	9.8837	0.0	0.0	0.29259	0.00700	0.0	0.0	0.0	0.0
515.0000E00	9.8739	0.0	0.0	0.09224	0.00700	0.0	0.0	0.0	0.0
520.0000E00	9.8643	0.0	0.0	0.05296	0.00700	0.0	0.0	0.0	0.0
525.0000E00	9.8547	0.0	0.0	0.03861	0.00700	0.0	0.0	0.0	0.0
530.0000E00	9.8452	0.0	0.0	0.03237	0.00700	0.0	0.0	0.0	0.0
535.0000E00	9.8358	0.0	0.0	0.03052	0.00700	0.0	0.0	0.0	0.0
540.0000E00	9.8265	0.0	0.0	0.03317	0.00700	0.0	0.0	0.0	0.0
545.0000E00	9.8173	0.0	0.0	0.04619	0.00700	0.0	0.0	0.0	0.0
547.0000E00	9.8136	0.0	0.0	0.06047	0.00700	0.0	0.0	0.0	0.0
549.0000E00	9.8100	0.0	0.0	0.09262	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
551.0000E00	9.8064	5.62955	5.43667	5.59182	0.19287	0.0	0.0	0.0	0.19287
552.0000E00	9.8045	5.70817	5.35560	5.67100	0.35257	0.0	0.0	0.0	0.35257
553.0000E00	9.8027	6.24934	5.32456	6.21238	0.92477	0.0	0.0	0.0	0.92477
553.5000E00	9.8018	7.58387	5.56417	7.54526	2.01970	0.0	0.0	0.0	2.01970
553.7000E00	9.8015	9.03426	5.93343	8.99308	3.10082	0.0	0.0	0.0	3.10082
553.9000E00	9.8011	12.22869	6.88058	12.18094	5.34811	0.0	0.0	0.0	5.34811
554.0000E00	9.8009	15.40004	7.90579	15.34517	7.49425	0.0	0.0	0.0	7.49425
554.1000E00	9.8008	20.99013	9.81595	20.92200	11.17418	0.0	0.0	0.0	11.17418
554.2000E00	9.8006	31.82188	13.71538	31.72669	18.10650	0.0	0.0	0.0	18.10650
554.3000E00	9.8004	55.10742	22.54311	54.95097	32.56432	0.0	0.0	0.0	32.56432
554.3500E00	9.8003	75.98750	30.77326	75.77393	45.21423	0.0	0.0	0.0	45.21423
554.4000E00	9.8002	105.33500	42.74505	105.03800	62.58966	0.0	0.0	0.0	62.58966
554.4500E00	9.8001	138.24100	56.88740	137.84600	81.35365	0.0	0.0	0.0	81.35365
554.5000E00	9.8000	156.32800	65.94212	155.87000	90.38550	0.0	0.0	0.0	90.38550
554.5500E00	9.7999	144.29600	62.94964	143.85900	81.34650	0.0	0.0	0.0	81.34650
554.6000E00	9.7998	114.65000	52.07087	114.28800	62.57874	0.0	0.0	0.0	62.57874
554.6500E00	9.7998	86.07751	40.87497	85.79384	45.20254	0.0	0.0	0.0	45.20254
554.7000E00	9.7997	64.79233	32.23904	64.56859	32.55329	0.0	0.0	0.0	32.55329
554.8000E00	9.7995	39.88903	21.79125	39.73780	18.09778	0.0	0.0	0.0	18.09778
554.9000E00	9.7993	27.61655	16.44899	27.50239	11.16756	0.0	0.0	0.0	11.16756

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
551.0000E00	9.8064	0.0	0.0	0.19287	0.00700	0.0	0.0	0.0	0.0
552.0000E00	9.8045	0.0	0.0	0.35257	0.00700	0.0	0.0	0.0	0.0
553.0000E00	9.8027	0.0	0.0	0.92477	0.00700	0.0	0.0	0.0	0.0
553.5000E00	9.8018	0.0	0.0	2.01970	0.00700	0.0	0.0	0.0	0.0
553.7000E00	9.8015	0.0	0.0	3.10082	0.00700	0.0	0.0	0.0	0.0
553.9000E00	9.8011	0.0	0.0	5.34811	0.00700	0.0	0.0	0.0	0.0
554.0000E00	9.8009	0.0	0.0	7.49425	0.00700	0.0	0.0	0.0	0.0
554.1000E00	9.8008	0.0	0.0	11.17418	0.00700	0.0	0.0	0.0	0.0
554.2000E00	9.8006	0.0	0.0	18.10650	0.00700	0.0	0.0	0.0	0.0
554.3000E00	9.8004	0.0	0.0	32.56432	0.00700	0.0	0.0	0.0	0.0
554.3500E00	9.8003	0.0	0.0	45.21423	0.00700	0.0	0.0	0.0	0.0
554.4000E00	9.8002	0.0	0.0	62.58966	0.00700	0.0	0.0	0.0	0.0
554.4500E00	9.8001	0.0	0.0	81.35365	0.00700	0.0	0.0	0.0	0.0
554.5000E00	9.8000	0.0	0.0	90.38550	0.00700	0.0	0.0	0.0	0.0
554.5500E00	9.7999	0.0	0.0	81.34650	0.00700	0.0	0.0	0.0	0.0
554.6000E00	9.7998	0.0	0.0	62.57874	0.00700	0.0	0.0	0.0	0.0
554.6500E00	9.7998	0.0	0.0	45.20254	0.00700	0.0	0.0	0.0	0.0
554.7000E00	9.7997	0.0	0.0	32.55329	0.00700	0.0	0.0	0.0	0.0
554.8000E00	9.7995	0.0	0.0	18.09778	0.00700	0.0	0.0	0.0	0.0
554.9000E00	9.7993	0.0	0.0	11.16756	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 48

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
555.0000E00	9.7991	20.94295	13.45366	20.84959	7.48929	0.0	0.0	0.0	7.48929
555.1000E00	9.7989	16.96271	11.61822	16.88207	5.34449	0.0	0.0	0.0	5.34449
555.3000E00	9.7986	12.66947	9.57024	12.60305	3.09923	0.0	0.0	0.0	3.09923
555.5000E00	9.7982	10.51858	8.49892	10.45960	2.01967	0.0	0.0	0.0	2.01967
556.0000E00	9.7973	8.20789	7.28016	8.15737	0.92772	0.0	0.0	0.0	0.92772
557.0000E00	9.7955	6.84819	6.48792	6.80317	0.36027	0.0	0.0	0.0	0.36027
558.0000E00	9.7937	6.39993	6.19480	6.35693	0.20512	0.0	0.0	0.0	0.20512
560.0000E00	9.7902	6.05630	5.94102	6.01507	0.11528	0.0	0.0	0.0	0.11528
562.0000E00	9.7866	5.91487	5.81729	5.87450	0.09759	0.0	0.0	0.0	0.09759
565.0000E00	9.7813	5.83855	5.71935	5.79886	0.11920	0.0	0.0	0.0	0.11920
568.0000E00	9.7760	5.98629	5.76202	5.94630	0.22427	0.0	0.0	0.0	0.22427
570.0000E00	9.7725	6.63536	6.16318	6.59259	0.47218	0.0	0.0	0.0	0.47218
571.0000E00	9.7707	7.72427	6.90772	7.67633	0.81654	0.0	0.0	0.0	0.81654
572.0000E00	9.7690	11.09759	9.32889	11.03285	1.76870	0.0	0.0	0.0	1.76870
572.5000E00	9.7681	15.86430	12.83976	15.77519	3.02454	0.0	0.0	0.0	3.02454
573.0000E00	9.7672	28.46873	22.28442	28.31408	6.18431	0.0	0.0	0.0	6.18431
573.2000E00	9.7669	39.48736	30.62643	39.27481	8.86092	0.0	0.0	0.0	8.86092
573.4000E00	9.7665	58.45016	45.08198	58.13729	13.36819	0.0	0.0	0.0	13.36819
573.5000E00	9.7663	72.75913	56.04824	72.37015	16.71088	0.0	0.0	0.0	16.71088
573.6000E00	9.7662	91.43188	70.42009	90.94317	21.01180	0.0	0.0	0.0	21.01180

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
555.0000E00	9.7991	0.0	0.0	7.48929	0.00700	0.0	0.0	0.0	0.0
555.1000E00	9.7989	0.0	0.0	5.34449	0.00700	0.0	0.0	0.0	0.0
555.3000E00	9.7986	0.0	0.0	3.09923	0.00700	0.0	0.0	0.0	0.0
555.5000E00	9.7982	0.0	0.0	2.01967	0.00700	0.0	0.0	0.0	0.0
556.0000E00	9.7973	0.0	0.0	0.92772	0.00700	0.0	0.0	0.0	0.0
557.0000E00	9.7955	0.0	0.0	0.36027	0.00700	0.0	0.0	0.0	0.0
558.0000E00	9.7937	0.0	0.0	0.20512	0.00700	0.0	0.0	0.0	0.0
560.0000E00	9.7902	0.0	0.0	0.11528	0.00700	0.0	0.0	0.0	0.0
562.0000E00	9.7866	0.0	0.0	0.09759	0.00700	0.0	0.0	0.0	0.0
565.0000E00	9.7813	0.0	0.0	0.11920	0.00700	0.0	0.0	0.0	0.0
568.0000E00	9.7760	0.0	0.0	0.22427	0.00700	0.0	0.0	0.0	0.0
570.0000E00	9.7725	0.0	0.0	0.47218	0.00700	0.0	0.0	0.0	0.0
571.0000E00	9.7707	0.0	0.0	0.81654	0.00700	0.0	0.0	0.0	0.0
572.0000E00	9.7690	0.0	0.0	1.76870	0.00700	0.0	0.0	0.0	0.0
572.5000E00	9.7681	0.0	0.0	3.02454	0.00700	0.0	0.0	0.0	0.0
573.0000E00	9.7672	0.0	0.0	6.18431	0.00700	0.0	0.0	0.0	0.0
573.2000E00	9.7669	0.0	0.0	8.86092	0.00700	0.0	0.0	0.0	0.0
573.4000E00	9.7665	0.0	0.0	13.36819	0.00700	0.0	0.0	0.0	0.0
573.5000E00	9.7663	0.0	0.0	16.71088	0.00700	0.0	0.0	0.0	0.0
573.6000E00	9.7662	0.0	0.0	21.01180	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
573.7000E00	9.7660	114.67500	88.40207	114.06200	26.27328	0.0	0.0	0.0	26.27328
573.8000E00	9.7658	140.59200	108.59400	139.83900	31.99812	0.0	0.0	0.0	31.99812
573.8500E00	9.7657	152.91000	118.26900	152.08900	34.64016	0.0	0.0	0.0	34.64016
573.9000E00	9.7656	163.39100	126.58000	162.51200	36.81104	0.0	0.0	0.0	36.81104
573.9500E00	9.7656	170.85700	132.60800	169.93700	38.24877	0.0	0.0	0.0	38.24877
574.0000E00	9.7655	174.35800	135.60500	173.41600	38.75220	0.0	0.0	0.0	38.75220
574.0500E00	9.7654	173.46400	135.21800	172.52500	38.24539	0.0	0.0	0.0	38.24539
574.1000E00	9.7653	168.40800	131.60300	167.49400	36.80452	0.0	0.0	0.0	36.80452
574.1500E00	9.7652	159.99100	125.36000	159.12100	34.63094	0.0	0.0	0.0	34.63094
574.2000E00	9.7651	149.31300	117.32600	148.49800	31.98675	0.0	0.0	0.0	31.98675
574.3000E00	9.7649	125.41200	99.15274	124.72400	26.25921	0.0	0.0	0.0	26.25921
574.4000E00	9.7648	102.87600	81.87933	102.30800	20.99671	0.0	0.0	0.0	20.99671
574.5000E00	9.7646	84.13071	67.43494	83.66271	16.69577	0.0	0.0	0.0	16.69577
574.6000E00	9.7644	69.36023	56.00669	68.97154	13.35354	0.0	0.0	0.0	13.35354
574.8000E00	9.7641	49.11589	40.26821	48.83642	8.84768	0.0	0.0	0.0	8.84768
575.0000E00	9.7637	36.85392	30.68150	36.64099	6.17242	0.0	0.0	0.0	6.17242
575.5000E00	9.7629	21.97851	18.96357	21.84690	3.01494	0.0	0.0	0.0	3.01494
576.0000E00	9.7620	15.82473	14.06448	15.72712	1.76025	0.0	0.0	0.0	1.76025
577.0000E00	9.7603	10.91809	10.10934	10.84794	0.80876	0.0	0.0	0.0	0.80876
578.0000E00	9.7585	9.01074	8.54671	8.95143	0.46403	0.0	0.0	0.0	0.46403

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
573.7000E00	9.7660	0.0	0.0	26.27328	0.00700	0.0	0.0	0.0	0.0
573.8000E00	9.7658	0.0	0.0	31.99812	0.00700	0.0	0.0	0.0	0.0
573.8500E00	9.7657	0.0	0.0	34.64016	0.00700	0.0	0.0	0.0	0.0
573.9000E00	9.7656	0.0	0.0	36.81104	0.00700	0.0	0.0	0.0	0.0
573.9500E00	9.7656	0.0	0.0	38.24877	0.00700	0.0	0.0	0.0	0.0
574.0000E00	9.7655	0.0	0.0	38.75220	0.00700	0.0	0.0	0.0	0.0
574.0500E00	9.7654	0.0	0.0	38.24539	0.00700	0.0	0.0	0.0	0.0
574.1000E00	9.7653	0.0	0.0	36.80452	0.00700	0.0	0.0	0.0	0.0
574.1500E00	9.7652	0.0	0.0	34.63094	0.00700	0.0	0.0	0.0	0.0
574.2000E00	9.7651	0.0	0.0	31.98675	0.00700	0.0	0.0	0.0	0.0
574.3000E00	9.7649	0.0	0.0	26.25921	0.00700	0.0	0.0	0.0	0.0
574.4000E00	9.7648	0.0	0.0	20.99671	0.00700	0.0	0.0	0.0	0.0
574.5000E00	9.7646	0.0	0.0	16.69577	0.00700	0.0	0.0	0.0	0.0
574.6000E00	9.7644	0.0	0.0	13.35354	0.00700	0.0	0.0	0.0	0.0
574.8000E00	9.7641	0.0	0.0	8.84768	0.00700	0.0	0.0	0.0	0.0
575.0000E00	9.7637	0.0	0.0	6.17242	0.00700	0.0	0.0	0.0	0.0
575.5000E00	9.7629	0.0	0.0	3.01494	0.00700	0.0	0.0	0.0	0.0
576.0000E00	9.7620	0.0	0.0	1.76025	0.00700	0.0	0.0	0.0	0.0
577.0000E00	9.7603	0.0	0.0	0.80876	0.00700	0.0	0.0	0.0	0.0
578.0000E00	9.7585	0.0	0.0	0.46403	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 50

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
580.0000E00	9.7551	7.49663	7.28282	7.44609	0.21382	0.0	0.0	0.0	0.21382
582.0000E00	9.7516	6.88818	6.76279	6.84125	0.12539	0.0	0.0	0.0	0.12539
585.0000E00	9.7465	6.45891	6.38721	6.41458	0.07169	0.0	0.0	0.0	0.07169
590.0000E00	9.7380	6.13596	6.09549	6.09365	0.04047	0.0	0.0	0.0	0.04047
595.0000E00	9.7295	5.96491	5.93434	5.92373	0.03057	0.0	0.0	0.0	0.03057
600.0000E00	9.7212	5.84172	5.81087	5.80140	0.03085	0.0	0.0	0.0	0.03085
605.0000E00	9.7129	5.72237	5.67049	5.68302	0.05189	0.0	0.0	0.0	0.05189
607.0000E00	9.7096	5.66698	5.58059	5.62825	0.08639	0.0	0.0	0.0	0.08639
609.0000E00	9.7063	5.62596	5.41205	5.58840	0.21391	0.0	0.0	0.0	0.21391
610.0000E00	9.7046	5.69800	5.23475	5.66167	0.46325	0.0	0.0	0.0	0.46325
610.5000E00	9.7038	5.89229	5.08136	5.85702	0.81092	0.0	0.0	0.0	0.81092
611.0000E00	9.7030	6.63047	4.83627	6.59691	1.79420	0.0	0.0	0.0	1.79420
611.2000E00	9.7027	7.47856	4.70387	7.44592	2.77469	0.0	0.0	0.0	2.77469
611.4000E00	9.7023	9.42098	4.57814	9.38921	4.84284	0.0	0.0	0.0	4.84284
611.5000E00	9.7022	11.41643	4.56005	11.38478	6.85638	0.0	0.0	0.0	6.85638
611.6000E00	9.7020	15.06151	4.66211	15.02916	10.39940	0.0	0.0	0.0	10.39940
611.7000E00	9.7019	22.53953	5.13730	22.50388	17.40223	0.0	0.0	0.0	17.40223
611.8000E00	9.7017	40.47000	6.91086	40.42203	33.55913	0.0	0.0	0.0	33.55913
611.8500E00	9.7016	58.93905	9.21207	58.87512	49.72698	0.0	0.0	0.0	49.72698
611.9000E00	9.7015	89.51892	13.69129	89.42390	75.82763	0.0	0.0	0.0	75.82763

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
580.0000E00	9.7551	0.0	0.0	0.21382	0.00700	0.0	0.0	0.0	0.0
582.0000E00	9.7516	0.0	0.0	0.12539	0.00700	0.0	0.0	0.0	0.0
585.0000E00	9.7465	0.0	0.0	0.07169	0.00700	0.0	0.0	0.0	0.0
590.0000E00	9.7380	0.0	0.0	0.04047	0.00700	0.0	0.0	0.0	0.0
595.0000E00	9.7295	0.0	0.0	0.03057	0.00700	0.0	0.0	0.0	0.0
600.0000E00	9.7212	0.0	0.0	0.03085	0.00700	0.0	0.0	0.0	0.0
605.0000E00	9.7129	0.0	0.0	0.05189	0.00700	0.0	0.0	0.0	0.0
607.0000E00	9.7096	0.0	0.0	0.08639	0.00700	0.0	0.0	0.0	0.0
609.0000E00	9.7063	0.0	0.0	0.21391	0.00700	0.0	0.0	0.0	0.0
610.0000E00	9.7046	0.0	0.0	0.46325	0.00700	0.0	0.0	0.0	0.0
610.5000E00	9.7038	0.0	0.0	0.81092	0.00700	0.0	0.0	0.0	0.0
611.0000E00	9.7030	0.0	0.0	1.79420	0.00700	0.0	0.0	0.0	0.0
611.2000E00	9.7027	0.0	0.0	2.77469	0.00700	0.0	0.0	0.0	0.0
611.4000E00	9.7023	0.0	0.0	4.84284	0.00700	0.0	0.0	0.0	0.0
611.5000E00	9.7022	0.0	0.0	6.85638	0.00700	0.0	0.0	0.0	0.0
611.6000E00	9.7020	0.0	0.0	10.39940	0.00700	0.0	0.0	0.0	0.0
611.7000E00	9.7019	0.0	0.0	17.40223	0.00700	0.0	0.0	0.0	0.0
611.8000E00	9.7017	0.0	0.0	33.55913	0.00700	0.0	0.0	0.0	0.0
611.8500E00	9.7016	0.0	0.0	49.72698	0.00700	0.0	0.0	0.0	0.0
611.9000E00	9.7015	0.0	0.0	75.82763	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
611.9500E00	9.7014	131.93100	21.23650	131.78300	110.69400	0.0	0.0	0.0	110.69400
612.0000E00	9.7014	159.37700	28.64624	159.17800	130.73100	0.0	0.0	0.0	130.73100
612.0500E00	9.7013	139.72700	29.04156	139.52500	110.68500	0.0	0.0	0.0	110.68500
612.1000E00	9.7012	100.19800	24.38294	100.02900	75.81520	0.0	0.0	0.0	75.81520
612.1500E00	9.7011	69.44168	19.72695	69.30478	49.71473	0.0	0.0	0.0	49.71473
612.2000E00	9.7010	49.91770	16.36963	49.80409	33.54808	0.0	0.0	0.0	33.54808
612.3000E00	9.7009	29.88227	12.48871	29.79560	17.39356	0.0	0.0	0.0	17.39356
612.4000E00	9.7007	20.90563	10.51321	20.83267	10.39242	0.0	0.0	0.0	10.39242
612.5000E00	9.7005	16.22598	9.37544	16.16092	6.85055	0.0	0.0	0.0	6.85055
612.6000E00	9.7004	13.49059	8.65278	13.43054	4.83781	0.0	0.0	0.0	4.83781
612.8000E00	9.7001	10.57413	7.80344	10.51998	2.77069	0.0	0.0	0.0	2.77069
613.0000E00	9.6997	9.11888	7.32807	9.06802	1.79081	0.0	0.0	0.0	1.79081
613.5000E00	9.6989	7.54750	6.73926	7.50073	0.80824	0.0	0.0	0.0	0.80824
614.0000E00	9.6981	6.92546	6.46466	6.88060	0.46080	0.0	0.0	0.0	0.46080
615.0000E00	9.6965	6.41278	6.20133	6.36975	0.21145	0.0	0.0	0.0	0.21145
616.0000E00	9.6948	6.19532	6.07143	6.15319	0.12389	0.0	0.0	0.0	0.12389
618.0000E00	9.6916	5.99847	5.93730	5.95726	0.06117	0.0	0.0	0.0	0.06117
620.0000E00	9.6884	5.90283	5.86370	5.86213	0.03912	0.0	0.0	0.0	0.03912
625.0000E00	9.6803	5.78063	5.75912	5.74066	0.02151	0.0	0.0	0.0	0.02151
630.0000E00	9.6724	5.70841	5.69174	5.66891	0.01667	0.0	0.0	0.0	0.01667

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
611.9500E00	9.7014	0.0	0.0	110.69400	0.00700	0.0	0.0	0.0	0.0
612.0000E00	9.7014	0.0	0.0	130.73100	0.00700	0.0	0.0	0.0	0.0
612.0500E00	9.7013	0.0	0.0	110.68500	0.00700	0.0	0.0	0.0	0.0
612.1000E00	9.7012	0.0	0.0	75.81520	0.00700	0.0	0.0	0.0	0.0
612.1500E00	9.7011	0.0	0.0	49.71473	0.00700	0.0	0.0	0.0	0.0
612.2000E00	9.7010	0.0	0.0	33.54808	0.00700	0.0	0.0	0.0	0.0
612.3000E00	9.7009	0.0	0.0	17.39356	0.00700	0.0	0.0	0.0	0.0
612.4000E00	9.7007	0.0	0.0	10.39242	0.00700	0.0	0.0	0.0	0.0
612.5000E00	9.7005	0.0	0.0	6.85055	0.00700	0.0	0.0	0.0	0.0
612.6000E00	9.7004	0.0	0.0	4.83781	0.00700	0.0	0.0	0.0	0.0
612.8000E00	9.7001	0.0	0.0	2.77069	0.00700	0.0	0.0	0.0	0.0
613.0000E00	9.6997	0.0	0.0	1.79081	0.00700	0.0	0.0	0.0	0.0
613.5000E00	9.6989	0.0	0.0	0.80824	0.00700	0.0	0.0	0.0	0.0
614.0000E00	9.6981	0.0	0.0	0.46080	0.00700	0.0	0.0	0.0	0.0
615.0000E00	9.6965	0.0	0.0	0.21145	0.00700	0.0	0.0	0.0	0.0
616.0000E00	9.6948	0.0	0.0	0.12389	0.00700	0.0	0.0	0.0	0.0
618.0000E00	9.6916	0.0	0.0	0.06117	0.00700	0.0	0.0	0.0	0.0
620.0000E00	9.6884	0.0	0.0	0.03912	0.00700	0.0	0.0	0.0	0.0
625.0000E00	9.6803	0.0	0.0	0.02151	0.00700	0.0	0.0	0.0	0.0
630.0000E00	9.6724	0.0	0.0	0.01667	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 52

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
635.0000E00	9.6645	5.65160	5.63636	5.61248	0.01524	0.0	0.0	0.0	0.01524
640.0000E00	9.6566	5.60040	5.58495	5.56164	0.01545	0.0	0.0	0.0	0.01545
650.0000E00	9.6411	5.49856	5.47817	5.46054	0.02039	0.0	0.0	0.0	0.02039
660.0000E00	9.6259	5.38536	5.34556	5.34826	0.03981	0.0	0.0	0.0	0.03981
665.0000E00	9.6183	5.34275	5.27171	5.30617	0.07105	0.0	0.0	0.0	0.07105
670.0000E00	9.6108	5.47225	5.29393	5.43551	0.17832	0.0	0.0	0.0	0.17832
673.0000E00	9.6064	6.24186	5.79641	6.20163	0.44545	0.0	0.0	0.0	0.44545
675.0000E00	9.6034	9.21955	8.01267	9.16395	1.20689	0.0	0.0	0.0	1.20689
676.0000E00	9.6019	15.57543	12.95277	15.48554	2.62266	0.0	0.0	0.0	2.62266
676.5000E00	9.6012	24.38287	19.92194	24.24461	4.46092	0.0	0.0	0.0	4.46092
677.0000E00	9.6004	46.94722	37.99771	46.68351	8.94951	0.0	0.0	0.0	8.94951
677.2000E00	9.6001	65.91545	53.30896	65.54549	12.60650	0.0	0.0	0.0	12.60650
677.4000E00	9.5998	97.07922	78.59554	96.53377	18.48368	0.0	0.0	0.0	18.48368
677.5000E00	9.5997	119.46400	96.83435	118.79200	22.62953	0.0	0.0	0.0	22.62953
677.6000E00	9.5995	147.34900	119.63200	146.51800	27.71683	0.0	0.0	0.0	27.71683
677.7000E00	9.5994	180.16400	146.57300	179.14700	33.59092	0.0	0.0	0.0	33.59092
677.8000E00	9.5992	214.57700	174.99300	213.36200	39.58342	0.0	0.0	0.0	39.58342
677.8500E00	9.5992	230.23900	188.01900	228.93400	42.21945	0.0	0.0	0.0	42.21945
677.9000E00	9.5991	243.28900	198.96200	241.90900	44.32771	0.0	0.0	0.0	44.32771
677.9500E00	9.5990	252.51800	206.82200	251.08300	45.69628	0.0	0.0	0.0	45.69628

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
635.0000E00	9.6645	0.0	0.0	0.01524	0.00700	0.0	0.0	0.0	0.0
640.0000E00	9.6566	0.0	0.0	0.01545	0.00700	0.0	0.0	0.0	0.0
650.0000E00	9.6411	0.0	0.0	0.02039	0.00700	0.0	0.0	0.0	0.0
660.0000E00	9.6259	0.0	0.0	0.03981	0.00700	0.0	0.0	0.0	0.0
665.0000E00	9.6183	0.0	0.0	0.07105	0.00700	0.0	0.0	0.0	0.0
670.0000E00	9.6108	0.0	0.0	0.17832	0.00700	0.0	0.0	0.0	0.0
673.0000E00	9.6064	0.0	0.0	0.44545	0.00700	0.0	0.0	0.0	0.0
675.0000E00	9.6034	0.0	0.0	1.20689	0.00700	0.0	0.0	0.0	0.0
676.0000E00	9.6019	0.0	0.0	2.62266	0.00700	0.0	0.0	0.0	0.0
676.5000E00	9.6012	0.0	0.0	4.46092	0.00700	0.0	0.0	0.0	0.0
677.0000E00	9.6004	0.0	0.0	8.94951	0.00700	0.0	0.0	0.0	0.0
677.2000E00	9.6001	0.0	0.0	12.60650	0.00700	0.0	0.0	0.0	0.0
677.4000E00	9.5998	0.0	0.0	18.48368	0.00700	0.0	0.0	0.0	0.0
677.5000E00	9.5997	0.0	0.0	22.62953	0.00700	0.0	0.0	0.0	0.0
677.6000E00	9.5995	0.0	0.0	27.71683	0.00700	0.0	0.0	0.0	0.0
677.7000E00	9.5994	0.0	0.0	33.59092	0.00700	0.0	0.0	0.0	0.0
677.8000E00	9.5992	0.0	0.0	39.58342	0.00700	0.0	0.0	0.0	0.0
677.8500E00	9.5992	0.0	0.0	42.21945	0.00700	0.0	0.0	0.0	0.0
677.9000E00	9.5991	0.0	0.0	44.32771	0.00700	0.0	0.0	0.0	0.0
677.9500E00	9.5990	0.0	0.0	45.69628	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
678.0000E00	9.5989	256.99000	210.82000	255.52700	46.17034	0.0	0.0	0.0	46.17034
678.0500E00	9.5989	256.28200	210.58900	254.82000	45.69291	0.0	0.0	0.0	45.69291
678.1000E00	9.5988	250.59100	206.27000	249.15900	44.32118	0.0	0.0	0.0	44.32118
678.1500E00	9.5987	240.67000	198.46000	239.29200	42.21011	0.0	0.0	0.0	42.21011
678.2000E00	9.5987	227.61600	188.04400	226.31100	39.57175	0.0	0.0	0.0	39.57175
678.3000E00	9.5985	196.75900	163.18300	195.62700	33.57606	0.0	0.0	0.0	33.57606
678.4000E00	9.5984	165.60400	137.90400	164.64700	27.70048	0.0	0.0	0.0	27.70048
678.5000E00	9.5982	138.09200	115.47900	137.29100	22.61284	0.0	0.0	0.0	22.61284
678.6000E00	9.5981	115.33500	96.86778	114.66300	18.46732	0.0	0.0	0.0	18.46732
678.8000E00	9.5978	82.51094	69.91932	82.02570	12.59162	0.0	0.0	0.0	12.59162
679.0000E00	9.5975	61.66762	52.73131	61.30166	8.93630	0.0	0.0	0.0	8.93630
679.5000E00	9.5967	35.37437	30.92333	35.15977	4.45104	0.0	0.0	0.0	4.45104
680.0000E00	9.5960	24.17675	21.56184	24.02711	2.61490	0.0	0.0	0.0	2.61490
681.0000E00	9.5945	15.12945	13.92794	15.03279	1.20151	0.0	0.0	0.0	1.20151
682.0000E00	9.5931	11.59552	10.91043	11.51980	0.68509	0.0	0.0	0.0	0.68509
684.0000E00	9.5901	8.80110	8.49203	8.74217	0.30907	0.0	0.0	0.0	0.30907
687.0000E00	9.5858	7.36902	7.22891	7.31886	0.14011	0.0	0.0	0.0	0.14011
690.0000E00	9.5814	6.78326	6.70249	6.73674	0.08077	0.0	0.0	0.0	0.08077
695.0000E00	9.5742	6.33494	6.29240	6.29127	0.04254	0.0	0.0	0.0	0.04254
700.0000E00	9.5670	6.11348	6.08612	6.07124	0.02736	0.0	0.0	0.0	0.02736

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
678.0000E00	9.5989	0.0	0.0	46.17034	0.00700	0.0	0.0	0.0	0.0
678.0500E00	9.5989	0.0	0.0	45.69291	0.00700	0.0	0.0	0.0	0.0
678.1000E00	9.5988	0.0	0.0	44.32118	0.00700	0.0	0.0	0.0	0.0
678.1500E00	9.5987	0.0	0.0	42.21011	0.00700	0.0	0.0	0.0	0.0
678.2000E00	9.5987	0.0	0.0	39.57175	0.00700	0.0	0.0	0.0	0.0
678.3000E00	9.5985	0.0	0.0	33.57606	0.00700	0.0	0.0	0.0	0.0
678.4000E00	9.5984	0.0	0.0	27.70048	0.00700	0.0	0.0	0.0	0.0
678.5000E00	9.5982	0.0	0.0	22.61284	0.00700	0.0	0.0	0.0	0.0
678.6000E00	9.5981	0.0	0.0	18.46732	0.00700	0.0	0.0	0.0	0.0
678.8000E00	9.5978	0.0	0.0	12.59162	0.00700	0.0	0.0	0.0	0.0
679.0000E00	9.5975	0.0	0.0	8.93630	0.00700	0.0	0.0	0.0	0.0
679.5000E00	9.5967	0.0	0.0	4.45104	0.00700	0.0	0.0	0.0	0.0
680.0000E00	9.5960	0.0	0.0	2.61490	0.00700	0.0	0.0	0.0	0.0
681.0000E00	9.5945	0.0	0.0	1.20151	0.00700	0.0	0.0	0.0	0.0
682.0000E00	9.5931	0.0	0.0	0.68509	0.00700	0.0	0.0	0.0	0.0
684.0000E00	9.5901	0.0	0.0	0.30907	0.00700	0.0	0.0	0.0	0.0
687.0000E00	9.5858	0.0	0.0	0.14011	0.00700	0.0	0.0	0.0	0.0
690.0000E00	9.5814	0.0	0.0	0.08077	0.00700	0.0	0.0	0.0	0.0
695.0000E00	9.5742	0.0	0.0	0.04254	0.00700	0.0	0.0	0.0	0.0
700.0000E00	9.5670	0.0	0.0	0.02736	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 54

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
710.0000E00	9.5528	5.88645	5.87057	5.84571	0.01589	0.0	0.0	0.0	0.01589
720.0000E00	9.5388	5.76056	5.74831	5.72067	0.01225	0.0	0.0	0.0	0.01225
730.0000E00	9.5251	5.67114	5.65960	5.63186	0.01154	0.0	0.0	0.0	0.01154
740.0000E00	9.5114	5.59748	5.58460	5.55873	0.01288	0.0	0.0	0.0	0.01288
750.0000E00	9.4980	5.53310	5.51604	5.49482	0.01706	0.0	0.0	0.0	0.01706
760.0000E00	9.4848	5.48907	5.46120	5.45117	0.02787	0.0	0.0	0.0	0.02787
765.0000E00	9.4782	5.49660	5.45680	5.45873	0.03981	0.0	0.0	0.0	0.03981
770.0000E00	9.4717	5.57720	5.51343	5.53894	0.06378	0.0	0.0	0.0	0.06378
775.0000E00	9.4652	5.92318	5.80000	5.88292	0.12318	0.0	0.0	0.0	0.12318
778.0000E00	9.4614	6.60657	6.39265	6.56221	0.21392	0.0	0.0	0.0	0.21392
780.0000E00	9.4588	7.74621	7.39951	7.69485	0.34669	0.0	0.0	0.0	0.34669
782.0000E00	9.4562	10.68488	10.02763	10.61528	0.65725	0.0	0.0	0.0	0.65725
784.0000E00	9.4537	21.09038	19.42946	20.95554	1.66092	0.0	0.0	0.0	1.66092
785.0000E00	9.4524	37.99677	34.79910	37.75526	3.19767	0.0	0.0	0.0	3.19767
785.5000E00	9.4518	55.48363	50.74864	55.13144	4.73499	0.0	0.0	0.0	4.73499
786.0000E00	9.4511	84.53847	77.32232	84.00185	7.21615	0.0	0.0	0.0	7.21615
786.2000E00	9.4509	99.95374	91.45397	99.31905	8.49977	0.0	0.0	0.0	8.49977
786.4000E00	9.4506	116.70200	106.83700	115.96000	9.86495	0.0	0.0	0.0	9.86495
786.5000E00	9.4505	125.03500	114.50600	124.24000	10.52940	0.0	0.0	0.0	10.52940
786.6000E00	9.4504	132.90000	121.75700	132.05500	11.14349	0.0	0.0	0.0	11.14349

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
710.0000E00	9.5528	0.0	0.0	0.01589	0.00700	0.0	0.0	0.0	0.0
720.0000E00	9.5388	0.0	0.0	0.01225	0.00700	0.0	0.0	0.0	0.0
730.0000E00	9.5251	0.0	0.0	0.01154	0.00700	0.0	0.0	0.0	0.0
740.0000E00	9.5114	0.0	0.0	0.01288	0.00700	0.0	0.0	0.0	0.0
750.0000E00	9.4980	0.0	0.0	0.01706	0.00700	0.0	0.0	0.0	0.0
760.0000E00	9.4848	0.0	0.0	0.02787	0.00700	0.0	0.0	0.0	0.0
765.0000E00	9.4782	0.0	0.0	0.03981	0.00700	0.0	0.0	0.0	0.0
770.0000E00	9.4717	0.0	0.0	0.06378	0.00700	0.0	0.0	0.0	0.0
775.0000E00	9.4652	0.0	0.0	0.12318	0.00700	0.0	0.0	0.0	0.0
778.0000E00	9.4614	0.0	0.0	0.21392	0.00700	0.0	0.0	0.0	0.0
780.0000E00	9.4588	0.0	0.0	0.34669	0.00700	0.0	0.0	0.0	0.0
782.0000E00	9.4562	0.0	0.0	0.65725	0.00700	0.0	0.0	0.0	0.0
784.0000E00	9.4537	0.0	0.0	1.66092	0.00700	0.0	0.0	0.0	0.0
785.0000E00	9.4524	0.0	0.0	3.19767	0.00700	0.0	0.0	0.0	0.0
785.5000E00	9.4518	0.0	0.0	4.73499	0.00700	0.0	0.0	0.0	0.0
786.0000E00	9.4511	0.0	0.0	7.21615	0.00700	0.0	0.0	0.0	0.0
786.2000E00	9.4509	0.0	0.0	8.49977	0.00700	0.0	0.0	0.0	0.0
786.4000E00	9.4506	0.0	0.0	9.86495	0.00700	0.0	0.0	0.0	0.0
786.5000E00	9.4505	0.0	0.0	10.52940	0.00700	0.0	0.0	0.0	0.0
786.6000E00	9.4504	0.0	0.0	11.14349	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
786.7000E00	9.4502	139.89000	128.21700	139.00000	11.67292	0.0	0.0	0.0	11.67292
786.8000E00	9.4501	145.58000	133.49800	144.65400	12.08281	0.0	0.0	0.0	12.08281
786.8500E00	9.4501	147.81400	135.58100	146.87300	12.23306	0.0	0.0	0.0	12.23306
786.9000E00	9.4500	149.58500	137.24200	148.63300	12.34259	0.0	0.0	0.0	12.34259
786.9500E00	9.4499	150.86100	138.45200	149.90000	12.40910	0.0	0.0	0.0	12.40910
787.0000E00	9.4499	151.62000	139.18900	150.65400	12.43118	0.0	0.0	0.0	12.43118
787.0500E00	9.4498	151.85200	139.44300	150.88400	12.40833	0.0	0.0	0.0	12.40833
787.1000E00	9.4497	151.55600	139.21500	150.59000	12.34106	0.0	0.0	0.0	12.34106
787.1500E00	9.4497	150.74400	138.51300	149.78300	12.23079	0.0	0.0	0.0	12.23079
787.2000E00	9.4496	149.43800	137.35900	148.48500	12.07982	0.0	0.0	0.0	12.07982
787.3000E00	9.4495	145.48000	133.81200	144.55200	11.66860	0.0	0.0	0.0	11.66860
787.4000E00	9.4494	140.01500	128.87700	139.12100	11.13800	0.0	0.0	0.0	11.13800
787.5000E00	9.4492	133.43700	122.91500	132.58400	10.52293	0.0	0.0	0.0	10.52293
787.6000E00	9.4491	126.14700	116.28900	125.34000	9.85770	0.0	0.0	0.0	9.85770
787.8000E00	9.4489	110.80100	102.31000	110.09100	8.49149	0.0	0.0	0.0	8.49149
788.0000E00	9.4486	96.04601	88.83858	95.42947	7.20743	0.0	0.0	0.0	7.20743
788.5000E00	9.4480	66.79736	62.07073	66.36659	4.72663	0.0	0.0	0.0	4.72663
789.0000E00	9.4473	48.16965	44.97921	47.85749	3.19043	0.0	0.0	0.0	3.19043
790.0000E00	9.4461	28.98678	27.33084	28.79711	1.65594	0.0	0.0	0.0	1.65594
792.0000E00	9.4435	15.83588	15.18047	15.73052	0.65541	0.0	0.0	0.0	0.65541

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
786.7000E00	9.4502	0.0	0.0	11.67292	0.00700	0.0	0.0	0.0	0.0
786.8000E00	9.4501	0.0	0.0	12.08281	0.00700	0.0	0.0	0.0	0.0
786.8500E00	9.4501	0.0	0.0	12.23306	0.00700	0.0	0.0	0.0	0.0
786.9000E00	9.4500	0.0	0.0	12.34259	0.00700	0.0	0.0	0.0	0.0
786.9500E00	9.4499	0.0	0.0	12.40910	0.00700	0.0	0.0	0.0	0.0
787.0000E00	9.4499	0.0	0.0	12.43118	0.00700	0.0	0.0	0.0	0.0
787.0500E00	9.4498	0.0	0.0	12.40833	0.00700	0.0	0.0	0.0	0.0
787.1000E00	9.4497	0.0	0.0	12.34106	0.00700	0.0	0.0	0.0	0.0
787.1500E00	9.4497	0.0	0.0	12.23079	0.00700	0.0	0.0	0.0	0.0
787.2000E00	9.4496	0.0	0.0	12.07982	0.00700	0.0	0.0	0.0	0.0
787.3000E00	9.4495	0.0	0.0	11.66860	0.00700	0.0	0.0	0.0	0.0
787.4000E00	9.4494	0.0	0.0	11.13800	0.00700	0.0	0.0	0.0	0.0
787.5000E00	9.4492	0.0	0.0	10.52293	0.00700	0.0	0.0	0.0	0.0
787.6000E00	9.4491	0.0	0.0	9.85770	0.00700	0.0	0.0	0.0	0.0
787.8000E00	9.4489	0.0	0.0	8.49149	0.00700	0.0	0.0	0.0	0.0
788.0000E00	9.4486	0.0	0.0	7.20743	0.00700	0.0	0.0	0.0	0.0
788.5000E00	9.4480	0.0	0.0	4.72663	0.00700	0.0	0.0	0.0	0.0
789.0000E00	9.4473	0.0	0.0	3.19043	0.00700	0.0	0.0	0.0	0.0
790.0000E00	9.4461	0.0	0.0	1.65594	0.00700	0.0	0.0	0.0	0.0
792.0000E00	9.4435	0.0	0.0	0.65541	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 56

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
794.0000E00	9.4410	11.49116	11.14410	11.41382	0.34706	0.0	0.0	0.0	0.34706
797.0000E00	9.4372	8.90655	8.72848	8.84598	0.17807	0.0	0.0	0.0	0.17807
800.0000E00	9.4335	7.77153	7.65878	7.71838	0.11275	0.0	0.0	0.0	0.11275
805.0000E00	9.4273	6.86464	6.78883	6.81752	0.07580	0.0	0.0	0.0	0.07580
810.0000E00	9.4211	6.36084	6.26359	6.31737	0.09725	0.0	0.0	0.0	0.09725
812.0000E00	9.4186	6.19277	6.03986	6.15086	0.15291	0.0	0.0	0.0	0.15291
814.0000E00	9.4161	6.07564	5.70725	6.03603	0.36839	0.0	0.0	0.0	0.36839
815.0000E00	9.4149	6.21805	5.42480	6.18040	0.79325	0.0	0.0	0.0	0.79325
815.5000E00	9.4143	6.61855	5.23297	6.58224	1.38559	0.0	0.0	0.0	1.38559
816.0000E00	9.4137	8.13299	5.07828	8.09774	3.05470	0.0	0.0	0.0	3.05470
816.2000E00	9.4134	9.85798	5.14896	9.82225	4.70902	0.0	0.0	0.0	4.70902
816.4000E00	9.4132	13.76385	5.59871	13.72499	8.16514	0.0	0.0	0.0	8.16514
816.5000E00	9.4131	17.72115	6.23415	17.67788	11.48699	0.0	0.0	0.0	11.48699
816.6000E00	9.4129	24.82169	7.59031	24.76901	17.23138	0.0	0.0	0.0	17.23138
816.7000E00	9.4128	38.91981	10.69843	38.84556	28.22138	0.0	0.0	0.0	28.22138
816.8000E00	9.4127	70.47530	18.59930	70.34622	51.87600	0.0	0.0	0.0	51.87600
816.8500E00	9.4126	100.12500	26.69679	99.94013	73.42862	0.0	0.0	0.0	73.42862
816.9000E00	9.4126	143.98400	39.55880	143.70900	104.42500	0.0	0.0	0.0	104.42500
816.9500E00	9.4125	196.39100	56.53900	195.99900	139.85200	0.0	0.0	0.0	139.85200
817.0000E00	9.4125	227.05200	69.36867	226.57000	157.68300	0.0	0.0	0.0	157.68300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
794.0000E00	9.4410	0.0	0.0	0.34706	0.00700	0.0	0.0	0.0	0.0
797.0000E00	9.4372	0.0	0.0	0.17807	0.00700	0.0	0.0	0.0	0.0
800.0000E00	9.4335	0.0	0.0	0.11275	0.00700	0.0	0.0	0.0	0.0
805.0000E00	9.4273	0.0	0.0	0.07580	0.00700	0.0	0.0	0.0	0.0
810.0000E00	9.4211	0.0	0.0	0.09725	0.00700	0.0	0.0	0.0	0.0
812.0000E00	9.4186	0.0	0.0	0.15291	0.00700	0.0	0.0	0.0	0.0
814.0000E00	9.4161	0.0	0.0	0.36839	0.00700	0.0	0.0	0.0	0.0
815.0000E00	9.4149	0.0	0.0	0.79325	0.00700	0.0	0.0	0.0	0.0
815.5000E00	9.4143	0.0	0.0	1.38559	0.00700	0.0	0.0	0.0	0.0
816.0000E00	9.4137	0.0	0.0	3.05470	0.00700	0.0	0.0	0.0	0.0
816.2000E00	9.4134	0.0	0.0	4.70902	0.00700	0.0	0.0	0.0	0.0
816.4000E00	9.4132	0.0	0.0	8.16514	0.00700	0.0	0.0	0.0	0.0
816.5000E00	9.4131	0.0	0.0	11.48699	0.00700	0.0	0.0	0.0	0.0
816.6000E00	9.4129	0.0	0.0	17.23138	0.00700	0.0	0.0	0.0	0.0
816.7000E00	9.4128	0.0	0.0	28.22138	0.00700	0.0	0.0	0.0	0.0
816.8000E00	9.4127	0.0	0.0	51.87600	0.00700	0.0	0.0	0.0	0.0
816.8500E00	9.4126	0.0	0.0	73.42862	0.00700	0.0	0.0	0.0	0.0
816.9000E00	9.4126	0.0	0.0	104.42500	0.00700	0.0	0.0	0.0	0.0
816.9500E00	9.4125	0.0	0.0	139.85200	0.00700	0.0	0.0	0.0	0.0
817.0000E00	9.4125	0.0	0.0	157.68300	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
817.0500E00	9.4124	207.77400	67.93028	207.30200	139.84400	0.0	0.0	0.0	139.84400
817.1000E00	9.4123	160.97900	56.56720	160.58700	104.41200	0.0	0.0	0.0	104.41200
817.1500E00	9.4123	118.04600	44.63167	117.73700	73.41478	0.0	0.0	0.0	73.41478
817.2000E00	9.4122	87.35021	35.48739	87.10392	51.86282	0.0	0.0	0.0	51.86282
817.3000E00	9.4121	52.67583	24.46555	52.50604	28.21028	0.0	0.0	0.0	28.21028
817.4000E00	9.4120	36.00447	18.78251	35.87411	17.22195	0.0	0.0	0.0	17.22195
817.5000E00	9.4118	27.02257	15.54384	26.91470	11.47873	0.0	0.0	0.0	11.47873
817.6000E00	9.4117	21.68005	13.52239	21.58620	8.15766	0.0	0.0	0.0	8.15766
817.8000E00	9.4115	15.91068	11.20824	15.83289	4.70244	0.0	0.0	0.0	4.70244
818.0000E00	9.4112	13.00495	9.95645	12.93585	3.04849	0.0	0.0	0.0	3.04849
818.5000E00	9.4106	9.84868	8.46936	9.78990	1.37932	0.0	0.0	0.0	1.37932
819.0000E00	9.4100	8.59381	7.80748	8.53963	0.78633	0.0	0.0	0.0	0.78633
820.0000E00	9.4088	7.55563	7.19614	7.50569	0.35950	0.0	0.0	0.0	0.35950
822.0000E00	9.4064	6.86701	6.72806	6.82032	0.13894	0.0	0.0	0.0	0.13894
824.0000E00	9.4039	6.59674	6.51959	6.55150	0.07715	0.0	0.0	0.0	0.07715
827.0000E00	9.4003	6.38945	6.34610	6.34541	0.04336	0.0	0.0	0.0	0.04336
830.0000E00	9.3967	6.26723	6.23781	6.22394	0.02942	0.0	0.0	0.0	0.02942
835.0000E00	9.3907	6.13671	6.11766	6.09425	0.01905	0.0	0.0	0.0	0.01905
840.0000E00	9.3847	6.04809	6.03384	6.00621	0.01424	0.0	0.0	0.0	0.01424
850.0000E00	9.3729	5.92522	5.91509	5.88417	0.01013	0.0	0.0	0.0	0.01013

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
817.0500E00	9.4124	0.0	0.0	139.84400	0.00700	0.0	0.0	0.0	0.0
817.1000E00	9.4123	0.0	0.0	104.41200	0.00700	0.0	0.0	0.0	0.0
817.1500E00	9.4123	0.0	0.0	73.41478	0.00700	0.0	0.0	0.0	0.0
817.2000E00	9.4122	0.0	0.0	51.86282	0.00700	0.0	0.0	0.0	0.0
817.3000E00	9.4121	0.0	0.0	28.21028	0.00700	0.0	0.0	0.0	0.0
817.4000E00	9.4120	0.0	0.0	17.22195	0.00700	0.0	0.0	0.0	0.0
817.5000E00	9.4118	0.0	0.0	11.47873	0.00700	0.0	0.0	0.0	0.0
817.6000E00	9.4117	0.0	0.0	8.15766	0.00700	0.0	0.0	0.0	0.0
817.8000E00	9.4115	0.0	0.0	4.70244	0.00700	0.0	0.0	0.0	0.0
818.0000E00	9.4112	0.0	0.0	3.04849	0.00700	0.0	0.0	0.0	0.0
818.5000E00	9.4106	0.0	0.0	1.37932	0.00700	0.0	0.0	0.0	0.0
819.0000E00	9.4100	0.0	0.0	0.78633	0.00700	0.0	0.0	0.0	0.0
820.0000E00	9.4088	0.0	0.0	0.35950	0.00700	0.0	0.0	0.0	0.0
822.0000E00	9.4064	0.0	0.0	0.13894	0.00700	0.0	0.0	0.0	0.0
824.0000E00	9.4039	0.0	0.0	0.07715	0.00700	0.0	0.0	0.0	0.0
827.0000E00	9.4003	0.0	0.0	0.04336	0.00700	0.0	0.0	0.0	0.0
830.0000E00	9.3967	0.0	0.0	0.02942	0.00700	0.0	0.0	0.0	0.0
835.0000E00	9.3907	0.0	0.0	0.01905	0.00700	0.0	0.0	0.0	0.0
840.0000E00	9.3847	0.0	0.0	0.01424	0.00700	0.0	0.0	0.0	0.0
850.0000E00	9.3729	0.0	0.0	0.01013	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
860.0000E00	9.3612	5.83350	5.82436	5.79308	0.00914	0.0	0.0	0.0	0.00914
870.0000E00	9.3496	5.74879	5.73803	5.70397	0.01075	0.0	0.0	0.0	0.01075
875.0000E00	9.3439	5.70256	5.68917	5.66307	0.01339	0.0	0.0	0.0	0.01339
880.0000E00	9.3382	5.64885	5.62981	5.60978	0.01903	0.0	0.0	0.0	0.01903
885.0000E00	9.3325	5.58298	5.55001	5.54446	0.03297	0.0	0.0	0.0	0.03297
890.0000E00	9.3269	5.51839	5.43694	5.48066	0.08146	0.0	0.0	0.0	0.08146
892.0000E00	9.3246	5.53854	5.39634	5.50109	0.14221	0.0	0.0	0.0	0.14221
894.0000E00	9.3224	5.77508	5.46010	5.73719	0.31498	0.0	0.0	0.0	0.31498
895.0000E00	9.3213	6.26488	5.71018	6.22525	0.55470	0.0	0.0	0.0	0.55470
896.0000E00	9.3202	7.97228	6.74643	7.92546	1.22586	0.0	0.0	0.0	1.22586
896.5000E00	9.3196	10.58487	8.45206	10.52621	2.13281	0.0	0.0	0.0	2.13281
897.0000E00	9.3190	18.11516	13.58223	18.02090	4.53293	0.0	0.0	0.0	4.53293
897.2000E00	9.3188	25.30295	18.59296	25.17391	6.70998	0.0	0.0	0.0	6.70998
897.4000E00	9.3186	38.97570	28.26157	38.77956	10.71412	0.0	0.0	0.0	10.71412
897.5000E00	9.3185	50.46851	36.47212	50.21539	13.99639	0.0	0.0	0.0	13.99639
897.6000E00	9.3184	67.18764	48.50857	66.85099	18.67907	0.0	0.0	0.0	18.67907
897.7000E00	9.3183	91.18409	65.93345	90.72651	25.25064	0.0	0.0	0.0	25.25064
897.8000E00	9.3181	123.05200	89.32479	122.43200	33.72700	0.0	0.0	0.0	33.72700
897.8500E00	9.3181	140.47900	102.26100	139.76900	38.21740	0.0	0.0	0.0	38.21740
897.9000E00	9.3180	156.63900	114.40600	155.84500	42.23378	0.0	0.0	0.0	42.23378

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
860.0000E00	9.3612	0.0	0.0	0.00914	0.00700	0.0	0.0	0.0	0.0
870.0000E00	9.3496	0.0	0.0	0.01075	0.00700	0.0	0.0	0.0	0.0
875.0000E00	9.3439	0.0	0.0	0.01339	0.00700	0.0	0.0	0.0	0.0
880.0000E00	9.3382	0.0	0.0	0.01903	0.00700	0.0	0.0	0.0	0.0
885.0000E00	9.3325	0.0	0.0	0.03297	0.00700	0.0	0.0	0.0	0.0
890.0000E00	9.3269	0.0	0.0	0.08146	0.00700	0.0	0.0	0.0	0.0
892.0000E00	9.3246	0.0	0.0	0.14221	0.00700	0.0	0.0	0.0	0.0
894.0000E00	9.3224	0.0	0.0	0.31498	0.00700	0.0	0.0	0.0	0.0
895.0000E00	9.3213	0.0	0.0	0.55470	0.00700	0.0	0.0	0.0	0.0
896.0000E00	9.3202	0.0	0.0	1.22586	0.00700	0.0	0.0	0.0	0.0
896.5000E00	9.3196	0.0	0.0	2.13281	0.00700	0.0	0.0	0.0	0.0
897.0000E00	9.3190	0.0	0.0	4.53293	0.00700	0.0	0.0	0.0	0.0
897.2000E00	9.3188	0.0	0.0	6.70998	0.00700	0.0	0.0	0.0	0.0
897.4000E00	9.3186	0.0	0.0	10.71412	0.00700	0.0	0.0	0.0	0.0
897.5000E00	9.3185	0.0	0.0	13.99639	0.00700	0.0	0.0	0.0	0.0
897.6000E00	9.3184	0.0	0.0	18.67907	0.00700	0.0	0.0	0.0	0.0
897.7000E00	9.3183	0.0	0.0	25.25064	0.00700	0.0	0.0	0.0	0.0
897.8000E00	9.3181	0.0	0.0	33.72700	0.00700	0.0	0.0	0.0	0.0
897.8500E00	9.3181	0.0	0.0	38.21740	0.00700	0.0	0.0	0.0	0.0
897.9000E00	9.3180	0.0	0.0	42.23378	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
897.9500E00	9.3180	168.93100	123.85600	168.07200	45.07576	0.0	0.0	0.0	45.07576
898.0000E00	9.3179	174.86300	128.75300	173.96900	46.10921	0.0	0.0	0.0	46.10921
898.0500E00	9.3179	173.20600	128.13300	172.31700	45.07324	0.0	0.0	0.0	45.07324
898.1000E00	9.3178	164.64900	122.42000	163.79900	42.22908	0.0	0.0	0.0	42.22908
898.1500E00	9.3178	151.35000	113.13900	150.56500	38.21101	0.0	0.0	0.0	38.21101
898.2000E00	9.3177	135.84300	102.12400	135.13400	33.71947	0.0	0.0	0.0	33.71947
898.3000E00	9.3176	105.54800	80.30539	104.99000	25.24218	0.0	0.0	0.0	25.24218
898.4000E00	9.3175	81.35297	62.68225	80.91796	18.67072	0.0	0.0	0.0	18.67072
898.5000E00	9.3174	63.73434	49.74578	63.38910	13.98856	0.0	0.0	0.0	13.98856
898.6000E00	9.3173	51.15954	40.45262	50.87880	10.70692	0.0	0.0	0.0	10.70692
898.8000E00	9.3170	35.47287	28.76892	35.27321	6.70395	0.0	0.0	0.0	6.70395
899.0000E00	9.3168	26.69895	22.17114	26.54508	4.52780	0.0	0.0	0.0	4.52780
899.5000E00	9.3163	16.63378	14.50464	16.53312	2.12914	0.0	0.0	0.0	2.12914
900.0000E00	9.3157	12.59835	11.37538	12.51941	1.22298	0.0	0.0	0.0	1.22298
901.0000E00	9.3146	9.72340	8.83440	9.66156	0.88900	0.0	0.0	0.0	0.88900
902.0000E00	9.3135	8.69630	7.80730	8.64165	0.88900	0.0	0.0	0.0	0.88900
904.0000E00	9.3113	7.83910	6.95110	7.79044	0.88800	0.0	0.0	0.0	0.88800
907.0000E00	9.3080	7.36300	6.47600	7.31767	0.88700	0.0	0.0	0.0	0.88700
910.0000E00	9.3047	7.15190	6.26590	7.10804	0.88600	0.0	0.0	0.0	0.88600
915.0000E00	9.2992	6.97820	6.09320	6.93555	0.88500	0.0	0.0	0.0	0.88500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
897.9500E00	9.3180	0.0	0.0	45.07576	0.00700	0.0	0.0	0.0	0.0
898.0000E00	9.3179	0.0	0.0	46.10921	0.00700	0.0	0.0	0.0	0.0
898.0500E00	9.3179	0.0	0.0	45.07324	0.00700	0.0	0.0	0.0	0.0
898.1000E00	9.3178	0.0	0.0	42.22908	0.00700	0.0	0.0	0.0	0.0
898.1500E00	9.3178	0.0	0.0	38.21101	0.00700	0.0	0.0	0.0	0.0
898.2000E00	9.3177	0.0	0.0	33.71947	0.00700	0.0	0.0	0.0	0.0
898.3000E00	9.3176	0.0	0.0	25.24218	0.00700	0.0	0.0	0.0	0.0
898.4000E00	9.3175	0.0	0.0	18.67072	0.00700	0.0	0.0	0.0	0.0
898.5000E00	9.3174	0.0	0.0	13.98856	0.00700	0.0	0.0	0.0	0.0
898.6000E00	9.3173	0.0	0.0	10.70692	0.00700	0.0	0.0	0.0	0.0
898.8000E00	9.3170	0.0	0.0	6.70395	0.00700	0.0	0.0	0.0	0.0
899.0000E00	9.3168	0.0	0.0	4.52780	0.00700	0.0	0.0	0.0	0.0
899.5000E00	9.3163	0.0	0.0	2.12914	0.00700	0.0	0.0	0.0	0.0
900.0000E00	9.3157	0.0	0.0	1.22298	0.00700	0.0	0.0	0.0	0.0
901.0000E00	9.3146	0.0	0.0	0.88900	0.00700	0.0	0.0	0.0	0.0
902.0000E00	9.3135	0.0	0.0	0.88900	0.00700	0.0	0.0	0.0	0.0
904.0000E00	9.3113	0.0	0.0	0.88800	0.00700	0.0	0.0	0.0	0.0
907.0000E00	9.3080	0.0	0.0	0.88700	0.00700	0.0	0.0	0.0	0.0
910.0000E00	9.3047	0.0	0.0	0.88600	0.00700	0.0	0.0	0.0	0.0
915.0000E00	9.2992	0.0	0.0	0.88500	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 60

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
920.0000E00	9.2937	6.88610	6.00210	6.84409	0.88400	0.0	0.0	0.0	0.88400
930.0000E00	9.2829	6.78500	5.90300	6.74368	0.88200	0.0	0.0	0.0	0.88200
940.0000E00	9.2722	6.71600	5.83600	6.67515	0.88000	0.0	0.0	0.0	0.88000
950.0000E00	9.2616	6.65500	5.77800	6.61455	0.87700	0.0	0.0	0.0	0.87700
960.0000E00	9.2512	6.60100	5.72600	6.56092	0.87500	0.0	0.0	0.0	0.87500
970.0000E00	9.2408	6.55000	5.67700	6.51026	0.87300	0.0	0.0	0.0	0.87300
980.0000E00	9.2305	6.50000	5.63000	6.46059	0.87000	0.0	0.0	0.0	0.87000
990.0000E00	9.2204	6.45600	5.58800	6.41688	0.86800	0.0	0.0	0.0	0.86800
1.0000E 3	9.2103	6.41500	5.55000	6.37615	0.86500	0.0	0.0	0.0	0.86500
1.0100E 3	9.2004	5.23000	4.36700	5.19943	0.86300	0.0	0.0	0.0	0.86300
1.0150E 3	9.1955	5.65000	4.78800	5.61648	0.86200	0.0	0.0	0.0	0.86200
1.0170E 3	9.1935	10.22000	9.35900	10.15449	0.86100	0.0	0.0	0.0	0.86100
1.0220E 3	9.1886	5.57000	4.71000	5.53703	0.86000	0.0	0.0	0.0	0.86000
1.0270E 3	9.1837	5.16000	4.30100	5.12989	0.85900	0.0	0.0	0.0	0.85900
1.0320E 3	9.1788	6.00000	5.14200	5.96401	0.85800	0.0	0.0	0.0	0.85800
1.0340E 3	9.1769	14.32000	13.46300	14.22576	0.85700	0.0	0.0	0.0	0.85700
1.0400E 3	9.1711	5.50000	4.64400	5.46749	0.85600	0.0	0.0	0.0	0.85600
1.0430E 3	9.1682	5.84000	4.98500	5.80511	0.85500	0.0	0.0	0.0	0.85500
1.0450E 3	9.1663	7.38000	6.52500	7.33433	0.85500	0.0	0.0	0.0	0.85500
1.0500E 3	9.1616	5.56000	4.70600	5.52706	0.85400	0.0	0.0	0.0	0.85400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
920.0000E00	9.2937	0.0	0.0	0.88400	0.00700	0.0	0.0	0.0	0.0
930.0000E00	9.2829	0.0	0.0	0.88200	0.00700	0.0	0.0	0.0	0.0
940.0000E00	9.2722	0.0	0.0	0.88000	0.00700	0.0	0.0	0.0	0.0
950.0000E00	9.2616	0.0	0.0	0.87700	0.00700	0.0	0.0	0.0	0.0
960.0000E00	9.2512	0.0	0.0	0.87500	0.00700	0.0	0.0	0.0	0.0
970.0000E00	9.2408	0.0	0.0	0.87300	0.00700	0.0	0.0	0.0	0.0
980.0000E00	9.2305	0.0	0.0	0.87000	0.00700	0.0	0.0	0.0	0.0
990.0000E00	9.2204	0.0	0.0	0.86800	0.00700	0.0	0.0	0.0	0.0
1.0000E 3	9.2103	0.0	0.0	0.86500	0.00700	0.0	0.0	0.0	0.0
1.0100E 3	9.2004	0.0	0.0	0.86300	0.00700	0.0	0.0	0.0	0.0
1.0150E 3	9.1955	0.0	0.0	0.86200	0.00700	0.0	0.0	0.0	0.0
1.0170E 3	9.1935	0.0	0.0	0.86100	0.00700	0.0	0.0	0.0	0.0
1.0220E 3	9.1886	0.0	0.0	0.86000	0.00700	0.0	0.0	0.0	0.0
1.0270E 3	9.1837	0.0	0.0	0.85900	0.00700	0.0	0.0	0.0	0.0
1.0320E 3	9.1788	0.0	0.0	0.85800	0.00700	0.0	0.0	0.0	0.0
1.0340E 3	9.1769	0.0	0.0	0.85700	0.00700	0.0	0.0	0.0	0.0
1.0400E 3	9.1711	0.0	0.0	0.85600	0.00700	0.0	0.0	0.0	0.0
1.0430E 3	9.1682	0.0	0.0	0.85500	0.00700	0.0	0.0	0.0	0.0
1.0450E 3	9.1663	0.0	0.0	0.85500	0.00700	0.0	0.0	0.0	0.0
1.0500E 3	9.1616	0.0	0.0	0.85400	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0600E 3	9.1521	5.30000	4.44900	5.26886	0.85100	0.0	0.0	0.0	0.85100
1.0700E 3	9.1427	5.32000	4.47100	5.28870	0.84900	0.0	0.0	0.0	0.84900
1.0760E 3	9.1371	5.90000	5.05200	5.86464	0.84800	0.0	0.0	0.0	0.84800
1.0790E 3	9.1343	16.18000	15.33300	16.07267	0.84700	0.0	0.0	0.0	0.84700
1.0830E 3	9.1306	5.83000	4.98400	5.79511	0.84600	0.0	0.0	0.0	0.84600
1.0900E 3	9.1242	5.33000	4.48600	5.29860	0.84400	0.0	0.0	0.0	0.84400
1.1000E 3	9.1150	5.20000	4.35800	5.16949	0.84200	0.0	0.0	0.0	0.84200
1.1100E 3	9.1060	5.25000	4.41000	5.21913	0.84000	0.0	0.0	0.0	0.84000
1.1150E 3	9.1015	5.87000	5.03100	5.83478	0.83900	0.0	0.0	0.0	0.83900
1.1190E 3	9.0979	20.09000	19.25200	19.95524	0.83800	0.0	0.0	0.0	0.83800
1.1230E 3	9.0943	6.20000	5.36200	6.16247	0.83800	0.0	0.0	0.0	0.83800
1.1270E 3	9.0908	5.62000	4.78300	5.58652	0.83700	0.0	0.0	0.0	0.83700
1.1310E 3	9.0872	6.00000	5.16400	5.96385	0.83600	0.0	0.0	0.0	0.83600
1.1330E 3	9.0855	10.16000	9.32400	10.09473	0.83600	0.0	0.0	0.0	0.83600
1.1360E 3	9.0828	5.44000	4.60500	5.40777	0.83500	0.0	0.0	0.0	0.83500
1.1390E 3	9.0802	5.22000	4.38600	5.18930	0.83400	0.0	0.0	0.0	0.83400
1.1430E 3	9.0767	5.80000	4.96600	5.76524	0.83400	0.0	0.0	0.0	0.83400
1.1450E 3	9.0749	7.16000	6.32700	7.11571	0.83300	0.0	0.0	0.0	0.83300
1.1480E 3	9.0723	4.97000	4.13700	4.94104	0.83300	0.0	0.0	0.0	0.83300
1.1520E 3	9.0688	5.47000	4.63800	5.43753	0.83200	0.0	0.0	0.0	0.83200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0600E 3	9.1521	0.0	0.0	0.85100	0.00700	0.0	0.0	0.0	0.0
1.0700E 3	9.1427	0.0	0.0	0.84900	0.00700	0.0	0.0	0.0	0.0
1.0760E 3	9.1371	0.0	0.0	0.84800	0.00700	0.0	0.0	0.0	0.0
1.0790E 3	9.1343	0.0	0.0	0.84700	0.00700	0.0	0.0	0.0	0.0
1.0830E 3	9.1306	0.0	0.0	0.84600	0.00700	0.0	0.0	0.0	0.0
1.0900E 3	9.1242	0.0	0.0	0.84400	0.00700	0.0	0.0	0.0	0.0
1.1000E 3	9.1150	0.0	0.0	0.84200	0.00700	0.0	0.0	0.0	0.0
1.1100E 3	9.1060	0.0	0.0	0.84000	0.00700	0.0	0.0	0.0	0.0
1.1150E 3	9.1015	0.0	0.0	0.83900	0.00700	0.0	0.0	0.0	0.0
1.1190E 3	9.0979	0.0	0.0	0.83800	0.00700	0.0	0.0	0.0	0.0
1.1230E 3	9.0943	0.0	0.0	0.83800	0.00700	0.0	0.0	0.0	0.0
1.1270E 3	9.0908	0.0	0.0	0.83700	0.00700	0.0	0.0	0.0	0.0
1.1310E 3	9.0872	0.0	0.0	0.83600	0.00700	0.0	0.0	0.0	0.0
1.1330E 3	9.0855	0.0	0.0	0.83600	0.00700	0.0	0.0	0.0	0.0
1.1360E 3	9.0828	0.0	0.0	0.83500	0.00700	0.0	0.0	0.0	0.0
1.1390E 3	9.0802	0.0	0.0	0.83400	0.00700	0.0	0.0	0.0	0.0
1.1430E 3	9.0767	0.0	0.0	0.83400	0.00700	0.0	0.0	0.0	0.0
1.1450E 3	9.0749	0.0	0.0	0.83300	0.00700	0.0	0.0	0.0	0.0
1.1480E 3	9.0723	0.0	0.0	0.83300	0.00700	0.0	0.0	0.0	0.0
1.1520E 3	9.0688	0.0	0.0	0.83200	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1570E 3	9.0645	16.46000	15.62900	16.35060	0.83100	0.0	0.0	0.0	0.83100
1.1600E 3	9.0619	6.00000	5.17000	5.96381	0.83000	0.0	0.0	0.0	0.83000
1.1650E 3	9.0576	5.33000	4.50100	5.29849	0.82900	0.0	0.0	0.0	0.82900
1.1700E 3	9.0533	5.22000	4.39200	5.18926	0.82800	0.0	0.0	0.0	0.82800
1.1750E 3	9.0491	5.28000	4.45300	5.24883	0.82700	0.0	0.0	0.0	0.82700
1.1800E 3	9.0448	5.82000	4.99400	5.78504	0.82600	0.0	0.0	0.0	0.82600
1.1840E 3	9.0414	7.87000	7.04500	7.82069	0.82500	0.0	0.0	0.0	0.82500
1.1870E 3	9.0389	6.00000	5.17500	5.96378	0.82500	0.0	0.0	0.0	0.82500
1.1890E 3	9.0372	8.15000	7.32600	8.09872	0.82400	0.0	0.0	0.0	0.82400
1.1920E 3	9.0347	5.80000	4.97600	5.76517	0.82400	0.0	0.0	0.0	0.82400
1.1950E 3	9.0322	5.50000	4.67700	5.46726	0.82300	0.0	0.0	0.0	0.82300
1.2050E 3	9.0239	5.37000	4.54900	5.33816	0.82100	0.0	0.0	0.0	0.82100
1.2120E 3	9.0181	5.87000	5.05000	5.83465	0.82000	0.0	0.0	0.0	0.82000
1.2160E 3	9.0148	16.55000	15.73100	16.43988	0.81900	0.0	0.0	0.0	0.81900
1.2200E 3	9.0115	6.05000	5.23200	6.01338	0.81800	0.0	0.0	0.0	0.81800
1.2300E 3	9.0033	5.37000	4.55400	5.33812	0.81600	0.0	0.0	0.0	0.81600
1.2400E 3	8.9952	5.37000	4.55600	5.33811	0.81400	0.0	0.0	0.0	0.81400
1.2500E 3	8.9872	5.00000	4.18800	4.97068	0.81200	0.0	0.0	0.0	0.81200
1.2550E 3	8.9832	5.80000	4.98900	5.76508	0.81100	0.0	0.0	0.0	0.81100
1.2580E 3	8.9808	7.60000	6.79000	7.55247	0.81000	0.0	0.0	0.0	0.81000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1570E 3	9.0645	0.0	0.0	0.83100	0.00700	0.0	0.0	0.0	0.0
1.1600E 3	9.0619	0.0	0.0	0.83000	0.00700	0.0	0.0	0.0	0.0
1.1650E 3	9.0576	0.0	0.0	0.82900	0.00700	0.0	0.0	0.0	0.0
1.1700E 3	9.0533	0.0	0.0	0.82800	0.00700	0.0	0.0	0.0	0.0
1.1750E 3	9.0491	0.0	0.0	0.82700	0.00700	0.0	0.0	0.0	0.0
1.1800E 3	9.0448	0.0	0.0	0.82600	0.00700	0.0	0.0	0.0	0.0
1.1840E 3	9.0414	0.0	0.0	0.82500	0.00700	0.0	0.0	0.0	0.0
1.1870E 3	9.0389	0.0	0.0	0.82500	0.00700	0.0	0.0	0.0	0.0
1.1890E 3	9.0372	0.0	0.0	0.82400	0.00700	0.0	0.0	0.0	0.0
1.1920E 3	9.0347	0.0	0.0	0.82400	0.00700	0.0	0.0	0.0	0.0
1.1950E 3	9.0322	0.0	0.0	0.82300	0.00700	0.0	0.0	0.0	0.0
1.2050E 3	9.0239	0.0	0.0	0.82100	0.00700	0.0	0.0	0.0	0.0
1.2120E 3	9.0181	0.0	0.0	0.82000	0.00700	0.0	0.0	0.0	0.0
1.2160E 3	9.0148	0.0	0.0	0.81900	0.00700	0.0	0.0	0.0	0.0
1.2200E 3	9.0115	0.0	0.0	0.81800	0.00700	0.0	0.0	0.0	0.0
1.2300E 3	9.0033	0.0	0.0	0.81600	0.00700	0.0	0.0	0.0	0.0
1.2400E 3	8.9952	0.0	0.0	0.81400	0.00700	0.0	0.0	0.0	0.0
1.2500E 3	8.9872	0.0	0.0	0.81200	0.00700	0.0	0.0	0.0	0.0
1.2550E 3	8.9832	0.0	0.0	0.81100	0.00700	0.0	0.0	0.0	0.0
1.2580E 3	8.9808	0.0	0.0	0.81000	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.2630E 3	8.9769	36.34000	35.53000	36.09129	0.81000	0.0	0.0	0.0	0.81000
1.2700E 3	8.9713	8.50000	7.69200	8.44616	0.80800	0.0	0.0	0.0	0.80800
1.2740E 3	8.9682	13.41000	12.60300	13.32178	0.80700	0.0	0.0	0.0	0.80700
1.2800E 3	8.9635	5.75000	4.94400	5.71539	0.80600	0.0	0.0	0.0	0.80600
1.2850E 3	8.9596	7.84000	7.03500	7.79076	0.80500	0.0	0.0	0.0	0.80500
1.2900E 3	8.9557	5.80000	4.99600	5.76503	0.80400	0.0	0.0	0.0	0.80400
1.3000E 3	8.9480	5.73000	4.92800	5.69550	0.80200	0.0	0.0	0.0	0.80200
1.3090E 3	8.9411	7.08000	6.27900	7.03605	0.80100	0.0	0.0	0.0	0.80100
1.3160E 3	8.9357	4.90000	4.10000	4.87130	0.80000	0.0	0.0	0.0	0.80000
1.3200E 3	8.9327	6.47000	5.67100	6.43030	0.79900	0.0	0.0	0.0	0.79900
1.3240E 3	8.9297	5.00000	4.20200	4.97059	0.79800	0.0	0.0	0.0	0.79800
1.3320E 3	8.9237	7.13000	6.33300	7.08567	0.79700	0.0	0.0	0.0	0.79700
1.3380E 3	8.9192	5.20000	4.40400	5.16917	0.79600	0.0	0.0	0.0	0.79600
1.3420E 3	8.9162	5.20000	4.40500	5.16917	0.79500	0.0	0.0	0.0	0.79500
1.3480E 3	8.9117	7.52000	6.72600	7.47292	0.79400	0.0	0.0	0.0	0.79400
1.3520E 3	8.9088	5.95000	5.15600	5.91391	0.79400	0.0	0.0	0.0	0.79400
1.3560E 3	8.9058	9.24000	8.44700	9.18087	0.79300	0.0	0.0	0.0	0.79300
1.3580E 3	8.9043	5.27000	4.47700	5.23866	0.79300	0.0	0.0	0.0	0.79300
1.3700E 3	8.8955	5.20000	4.40900	5.16914	0.79100	0.0	0.0	0.0	0.79100
1.3760E 3	8.8912	5.60000	4.81000	5.56633	0.79000	0.0	0.0	0.0	0.79000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.2630E 3	8.9769	0.0	0.0	0.81000	0.00700	0.0	0.0	0.0	0.0
1.2700E 3	8.9713	0.0	0.0	0.80800	0.00700	0.0	0.0	0.0	0.0
1.2740E 3	8.9682	0.0	0.0	0.80700	0.00700	0.0	0.0	0.0	0.0
1.2800E 3	8.9635	0.0	0.0	0.80600	0.00700	0.0	0.0	0.0	0.0
1.2850E 3	8.9596	0.0	0.0	0.80500	0.00700	0.0	0.0	0.0	0.0
1.2900E 3	8.9557	0.0	0.0	0.80400	0.00700	0.0	0.0	0.0	0.0
1.3000E 3	8.9480	0.0	0.0	0.80200	0.00700	0.0	0.0	0.0	0.0
1.3090E 3	8.9411	0.0	0.0	0.80100	0.00700	0.0	0.0	0.0	0.0
1.3160E 3	8.9357	0.0	0.0	0.80000	0.00700	0.0	0.0	0.0	0.0
1.3200E 3	8.9327	0.0	0.0	0.79900	0.00700	0.0	0.0	0.0	0.0
1.3240E 3	8.9297	0.0	0.0	0.79800	0.00700	0.0	0.0	0.0	0.0
1.3320E 3	8.9237	0.0	0.0	0.79700	0.00700	0.0	0.0	0.0	0.0
1.3380E 3	8.9192	0.0	0.0	0.79600	0.00700	0.0	0.0	0.0	0.0
1.3420E 3	8.9162	0.0	0.0	0.79500	0.00700	0.0	0.0	0.0	0.0
1.3480E 3	8.9117	0.0	0.0	0.79400	0.00700	0.0	0.0	0.0	0.0
1.3520E 3	8.9088	0.0	0.0	0.79400	0.00700	0.0	0.0	0.0	0.0
1.3560E 3	8.9058	0.0	0.0	0.79300	0.00700	0.0	0.0	0.0	0.0
1.3580E 3	8.9043	0.0	0.0	0.79300	0.00700	0.0	0.0	0.0	0.0
1.3700E 3	8.8955	0.0	0.0	0.79100	0.00700	0.0	0.0	0.0	0.0
1.3760E 3	8.8912	0.0	0.0	0.79000	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 64

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.3800E 3	8.8883	7.19000	6.40100	7.14519	0.78900	0.0	0.0	0.0	0.78900
1.3830E 3	8.8861	5.14000	4.35100	5.10954	0.78900	0.0	0.0	0.0	0.78900
1.4050E 3	8.8703	4.55000	3.76500	4.52365	0.78500	0.0	0.0	0.0	0.78500
1.4160E 3	8.8625	6.20000	5.41700	6.16208	0.78300	0.0	0.0	0.0	0.78300
1.4190E 3	8.8604	11.44000	10.65700	11.36540	0.78300	0.0	0.0	0.0	0.78300
1.4220E 3	8.8583	5.80000	5.01800	5.76487	0.78200	0.0	0.0	0.0	0.78200
1.4280E 3	8.8541	4.65000	3.86900	4.62292	0.78100	0.0	0.0	0.0	0.78100
1.4350E 3	8.8492	21.54000	20.76000	21.39468	0.78000	0.0	0.0	0.0	0.78000
1.4380E 3	8.8471	10.00000	9.22000	9.93546	0.78000	0.0	0.0	0.0	0.78000
1.4450E 3	8.8422	6.10000	5.32100	6.06275	0.77900	0.0	0.0	0.0	0.77900
1.4550E 3	8.8353	5.33000	4.55300	5.29813	0.77700	0.0	0.0	0.0	0.77700
1.5000E 3	8.8049	4.33000	3.55900	4.30509	0.77100	0.0	0.0	0.0	0.77100
1.5070E 3	8.8002	4.91000	4.14000	4.88102	0.77000	0.0	0.0	0.0	0.77000
1.5130E 3	8.7962	13.23000	12.46100	13.14277	0.76900	0.0	0.0	0.0	0.76900
1.5200E 3	8.7916	4.55000	3.78200	4.52353	0.76800	0.0	0.0	0.0	0.76800
1.5250E 3	8.7883	3.76000	2.99300	3.73905	0.76700	0.0	0.0	0.0	0.76700
1.5300E 3	8.7851	3.95000	3.18400	3.92771	0.76600	0.0	0.0	0.0	0.76600
1.5350E 3	8.7818	5.25000	4.48400	5.21861	0.76600	0.0	0.0	0.0	0.76600
1.5400E 3	8.7786	12.50000	11.73500	12.41786	0.76500	0.0	0.0	0.0	0.76500
1.5450E 3	8.7753	45.26000	44.49600	44.94853	0.76400	0.0	0.0	0.0	0.76400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.3800E 3	8.8883	0.0	0.0	0.78900	0.00700	0.0	0.0	0.0	0.0
1.3830E 3	8.8861	0.0	0.0	0.78900	0.00700	0.0	0.0	0.0	0.0
1.4050E 3	8.8703	0.0	0.0	0.78500	0.00700	0.0	0.0	0.0	0.0
1.4160E 3	8.8625	0.0	0.0	0.78300	0.00700	0.0	0.0	0.0	0.0
1.4190E 3	8.8604	0.0	0.0	0.78300	0.00700	0.0	0.0	0.0	0.0
1.4220E 3	8.8583	0.0	0.0	0.78200	0.00700	0.0	0.0	0.0	0.0
1.4280E 3	8.8541	0.0	0.0	0.78100	0.00700	0.0	0.0	0.0	0.0
1.4350E 3	8.8492	0.0	0.0	0.78000	0.00700	0.0	0.0	0.0	0.0
1.4380E 3	8.8471	0.0	0.0	0.78000	0.00700	0.0	0.0	0.0	0.0
1.4450E 3	8.8422	0.0	0.0	0.77900	0.00700	0.0	0.0	0.0	0.0
1.4550E 3	8.8353	0.0	0.0	0.77700	0.00700	0.0	0.0	0.0	0.0
1.5000E 3	8.8049	0.0	0.0	0.77100	0.00700	0.0	0.0	0.0	0.0
1.5070E 3	8.8002	0.0	0.0	0.77000	0.00700	0.0	0.0	0.0	0.0
1.5130E 3	8.7962	0.0	0.0	0.76900	0.00700	0.0	0.0	0.0	0.0
1.5200E 3	8.7916	0.0	0.0	0.76800	0.00700	0.0	0.0	0.0	0.0
1.5250E 3	8.7883	0.0	0.0	0.76700	0.00700	0.0	0.0	0.0	0.0
1.5300E 3	8.7851	0.0	0.0	0.76600	0.00700	0.0	0.0	0.0	0.0
1.5350E 3	8.7818	0.0	0.0	0.76600	0.00700	0.0	0.0	0.0	0.0
1.5400E 3	8.7786	0.0	0.0	0.76500	0.00700	0.0	0.0	0.0	0.0
1.5450E 3	8.7753	0.0	0.0	0.76400	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.5530E 3	8.7702	28.00000	27.23700	27.80934	0.76300	0.0	0.0	0.0	0.76300
1.5600E 3	8.7657	38.69000	37.92800	38.42450	0.76200	0.0	0.0	0.0	0.76200
1.5660E 3	8.7618	13.83000	13.06900	13.73852	0.76100	0.0	0.0	0.0	0.76100
1.5700E 3	8.7593	9.90000	9.13900	9.83603	0.76100	0.0	0.0	0.0	0.76100
1.5980E 3	8.7416	6.45000	5.69300	6.41015	0.75700	0.0	0.0	0.0	0.75700
1.6030E 3	8.7385	7.70000	6.94400	7.65139	0.75600	0.0	0.0	0.0	0.75600
1.6080E 3	8.7353	18.03000	17.27500	17.90908	0.75500	0.0	0.0	0.0	0.75500
1.6130E 3	8.7322	9.10000	8.34500	9.04159	0.75500	0.0	0.0	0.0	0.75500
1.6160E 3	8.7304	9.50000	8.74600	9.43878	0.75400	0.0	0.0	0.0	0.75400
1.6210E 3	8.7273	6.60000	5.84600	6.55908	0.75400	0.0	0.0	0.0	0.75400
1.6900E 3	8.6856	5.50000	4.75500	5.46672	0.74500	0.0	0.0	0.0	0.74500
1.6940E 3	8.6832	6.00000	5.25500	5.96322	0.74500	0.0	0.0	0.0	0.74500
1.6970E 3	8.6815	9.59000	8.84600	9.52808	0.74400	0.0	0.0	0.0	0.74400
1.7050E 3	8.6768	5.60000	4.85700	5.56600	0.74300	0.0	0.0	0.0	0.74300
1.7120E 3	8.6727	6.10000	5.35800	6.06249	0.74200	0.0	0.0	0.0	0.74200
1.7160E 3	8.6703	16.07000	15.32900	15.96270	0.74100	0.0	0.0	0.0	0.74100
1.7180E 3	8.6692	16.11000	15.36900	16.00242	0.74100	0.0	0.0	0.0	0.74100
1.7220E 3	8.6669	8.33000	7.58900	8.27688	0.74100	0.0	0.0	0.0	0.74100
1.7260E 3	8.6645	6.22000	5.48000	6.18164	0.74000	0.0	0.0	0.0	0.74000
1.7300E 3	8.6622	6.35000	5.61000	6.31073	0.74000	0.0	0.0	0.0	0.74000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.5530E 3	8.7702	0.0	0.0	0.76300	0.00700	0.0	0.0	0.0	0.0
1.5600E 3	8.7657	0.0	0.0	0.76200	0.00700	0.0	0.0	0.0	0.0
1.5660E 3	8.7618	0.0	0.0	0.76100	0.00700	0.0	0.0	0.0	0.0
1.5700E 3	8.7593	0.0	0.0	0.76100	0.00700	0.0	0.0	0.0	0.0
1.5980E 3	8.7416	0.0	0.0	0.75700	0.00700	0.0	0.0	0.0	0.0
1.6030E 3	8.7385	0.0	0.0	0.75600	0.00700	0.0	0.0	0.0	0.0
1.6080E 3	8.7353	0.0	0.0	0.75500	0.00700	0.0	0.0	0.0	0.0
1.6130E 3	8.7322	0.0	0.0	0.75500	0.00700	0.0	0.0	0.0	0.0
1.6160E 3	8.7304	0.0	0.0	0.75400	0.00700	0.0	0.0	0.0	0.0
1.6210E 3	8.7273	0.0	0.0	0.75400	0.00700	0.0	0.0	0.0	0.0
1.6900E 3	8.6856	0.0	0.0	0.74500	0.00700	0.0	0.0	0.0	0.0
1.6940E 3	8.6832	0.0	0.0	0.74500	0.00700	0.0	0.0	0.0	0.0
1.6970E 3	8.6815	0.0	0.0	0.74400	0.00700	0.0	0.0	0.0	0.0
1.7050E 3	8.6768	0.0	0.0	0.74300	0.00700	0.0	0.0	0.0	0.0
1.7120E 3	8.6727	0.0	0.0	0.74200	0.00700	0.0	0.0	0.0	0.0
1.7160E 3	8.6703	0.0	0.0	0.74100	0.00700	0.0	0.0	0.0	0.0
1.7180E 3	8.6692	0.0	0.0	0.74100	0.00700	0.0	0.0	0.0	0.0
1.7220E 3	8.6669	0.0	0.0	0.74100	0.00700	0.0	0.0	0.0	0.0
1.7260E 3	8.6645	0.0	0.0	0.74000	0.00700	0.0	0.0	0.0	0.0
1.7300E 3	8.6622	0.0	0.0	0.74000	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 66

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.7340E 3	8.6599	12.02000	11.28000	11.94104	0.74000	0.0	0.0	0.0	0.74000
1.7400E 3	8.6565	5.40000	4.66100	5.36737	0.73900	0.0	0.0	0.0	0.73900
1.7500E 3	8.6507	5.15000	4.41200	5.11912	0.73800	0.0	0.0	0.0	0.73800
1.7700E 3	8.6394	5.25000	4.51400	5.21840	0.73600	0.0	0.0	0.0	0.73600
1.8000E 3	8.6226	5.67000	4.93800	5.63543	0.73200	0.0	0.0	0.0	0.73200
1.8300E 3	8.6060	5.80000	5.07200	5.76450	0.72800	0.0	0.0	0.0	0.72800
1.9000E 3	8.5685	7.10000	6.37800	7.05535	0.72200	0.0	0.0	0.0	0.72200
1.9400E 3	8.5477	13.60000	12.88200	13.50983	0.71800	0.0	0.0	0.0	0.71800
2.0000E 3	8.5172	7.00000	6.28900	6.95598	0.71100	0.0	0.0	0.0	0.71100
2.0500E 3	8.4925	6.00000	5.29300	5.96295	0.70700	0.0	0.0	0.0	0.70700
2.1000E 3	8.4684	5.85000	5.14700	5.81397	0.70300	0.0	0.0	0.0	0.70300
2.2500E 3	8.3994	5.30000	4.60600	5.26776	0.69400	0.0	0.0	0.0	0.69400
2.3100E 3	8.3731	5.20000	4.51000	5.16843	0.69000	0.0	0.0	0.0	0.69000
2.3200E 3	8.3688	6.10000	5.41000	6.06213	0.69000	0.0	0.0	0.0	0.69000
2.3300E 3	8.3645	8.50000	7.81100	8.44532	0.68900	0.0	0.0	0.0	0.68900
2.3400E 3	8.3602	18.00000	17.31100	17.87882	0.68900	0.0	0.0	0.0	0.68900
2.3480E 3	8.3568	34.00000	33.31200	33.76682	0.68800	0.0	0.0	0.0	0.68800
2.3550E 3	8.3538	3.74000	3.05200	3.71864	0.68800	0.0	0.0	0.0	0.68800
2.3640E 3	8.3500	11.02000	10.33300	10.94767	0.68700	0.0	0.0	0.0	0.68700
2.3730E 3	8.3462	2.31000	1.62300	2.29864	0.68700	0.0	0.0	0.0	0.68700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.7340E 3	8.6599	0.0	0.0	0.74000	0.00700	0.0	0.0	0.0	0.0
1.7400E 3	8.6565	0.0	0.0	0.73900	0.00700	0.0	0.0	0.0	0.0
1.7500E 3	8.6507	0.0	0.0	0.73800	0.00700	0.0	0.0	0.0	0.0
1.7700E 3	8.6394	0.0	0.0	0.73600	0.00700	0.0	0.0	0.0	0.0
1.8000E 3	8.6226	0.0	0.0	0.73200	0.00700	0.0	0.0	0.0	0.0
1.8300E 3	8.6060	0.0	0.0	0.72800	0.00700	0.0	0.0	0.0	0.0
1.9000E 3	8.5685	0.0	0.0	0.72200	0.00700	0.0	0.0	0.0	0.0
1.9400E 3	8.5477	0.0	0.0	0.71800	0.00700	0.0	0.0	0.0	0.0
2.0000E 3	8.5172	0.0	0.0	0.71100	0.00700	0.0	0.0	0.0	0.0
2.0500E 3	8.4925	0.0	0.0	0.70700	0.00700	0.0	0.0	0.0	0.0
2.1000E 3	8.4684	0.0	0.0	0.70300	0.00700	0.0	0.0	0.0	0.0
2.2500E 3	8.3994	0.0	0.0	0.69400	0.00700	0.0	0.0	0.0	0.0
2.3100E 3	8.3731	0.0	0.0	0.69000	0.00700	0.0	0.0	0.0	0.0
2.3200E 3	8.3688	0.0	0.0	0.69000	0.00700	0.0	0.0	0.0	0.0
2.3300E 3	8.3645	0.0	0.0	0.68900	0.00700	0.0	0.0	0.0	0.0
2.3400E 3	8.3602	0.0	0.0	0.68900	0.00700	0.0	0.0	0.0	0.0
2.3480E 3	8.3568	0.0	0.0	0.68800	0.00700	0.0	0.0	0.0	0.0
2.3550E 3	8.3538	0.0	0.0	0.68800	0.00700	0.0	0.0	0.0	0.0
2.3640E 3	8.3500	0.0	0.0	0.68700	0.00700	0.0	0.0	0.0	0.0
2.3730E 3	8.3462	0.0	0.0	0.68700	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.3860E 3	8.3407	9.92000	9.23400	9.85536	0.68600	0.0	0.0	0.0	0.68600
2.3990E 3	8.3353	41.00000	40.31400	40.71780	0.68600	0.0	0.0	0.0	0.68600
2.4100E 3	8.3307	14.00000	13.31500	13.90680	0.68500	0.0	0.0	0.0	0.68500
2.4300E 3	8.3224	7.65000	6.96600	7.60124	0.68400	0.0	0.0	0.0	0.68400
2.4470E 3	8.3155	6.00000	5.31700	5.96278	0.68300	0.0	0.0	0.0	0.68300
2.4550E 3	8.3122	11.73000	11.04700	11.65267	0.68300	0.0	0.0	0.0	0.68300
2.4630E 3	8.3090	6.40000	5.71800	6.35997	0.68200	0.0	0.0	0.0	0.68200
2.4690E 3	8.3065	8.10000	7.41800	8.04807	0.68200	0.0	0.0	0.0	0.68200
2.4730E 3	8.3049	9.10000	8.41800	9.04107	0.68200	0.0	0.0	0.0	0.68200
2.4820E 3	8.3013	5.60000	4.91900	5.56557	0.68100	0.0	0.0	0.0	0.68100
2.4980E 3	8.2948	9.30000	8.61900	9.23967	0.68100	0.0	0.0	0.0	0.68100
2.5050E 3	8.2921	6.40000	5.72000	6.35996	0.68000	0.0	0.0	0.0	0.68000
2.5300E 3	8.2821	5.70000	5.02100	5.66485	0.67900	0.0	0.0	0.0	0.67900
2.5500E 3	8.2742	14.00000	13.32200	13.90675	0.67800	0.0	0.0	0.0	0.67800
2.5620E 3	8.2696	6.50000	5.82200	6.45925	0.67800	0.0	0.0	0.0	0.67800
2.5700E 3	8.2664	15.80000	15.12300	15.69414	0.67700	0.0	0.0	0.0	0.67700
2.5800E 3	8.2626	8.00000	7.32300	7.94874	0.67700	0.0	0.0	0.0	0.67700
2.5920E 3	8.2579	7.80000	7.12400	7.75013	0.67600	0.0	0.0	0.0	0.67600
2.6000E 3	8.2548	36.80000	36.12300	36.54714	0.67700	0.0	0.0	0.0	0.67700
2.6500E 3	8.2358	6.10000	5.42600	6.06202	0.67400	0.0	0.0	0.0	0.67400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.3860E 3	8.3407	0.0	0.0	0.68600	0.00700	0.0	0.0	0.0	0.0
2.3990E 3	8.3353	0.0	0.0	0.68600	0.00700	0.0	0.0	0.0	0.0
2.4100E 3	8.3307	0.0	0.0	0.68500	0.00700	0.0	0.0	0.0	0.0
2.4300E 3	8.3224	0.0	0.0	0.68400	0.00700	0.0	0.0	0.0	0.0
2.4470E 3	8.3155	0.0	0.0	0.68300	0.00700	0.0	0.0	0.0	0.0
2.4550E 3	8.3122	0.0	0.0	0.68300	0.00700	0.0	0.0	0.0	0.0
2.4630E 3	8.3090	0.0	0.0	0.68200	0.00700	0.0	0.0	0.0	0.0
2.4690E 3	8.3065	0.0	0.0	0.68200	0.00700	0.0	0.0	0.0	0.0
2.4730E 3	8.3049	0.0	0.0	0.68200	0.00700	0.0	0.0	0.0	0.0
2.4820E 3	8.3013	0.0	0.0	0.68100	0.00700	0.0	0.0	0.0	0.0
2.4980E 3	8.2948	0.0	0.0	0.68100	0.00700	0.0	0.0	0.0	0.0
2.5050E 3	8.2921	0.0	0.0	0.68000	0.00700	0.0	0.0	0.0	0.0
2.5300E 3	8.2821	0.0	0.0	0.67900	0.00700	0.0	0.0	0.0	0.0
2.5500E 3	8.2742	0.0	0.0	0.67800	0.00700	0.0	0.0	0.0	0.0
2.5620E 3	8.2696	0.0	0.0	0.67800	0.00700	0.0	0.0	0.0	0.0
2.5700E 3	8.2664	0.0	0.0	0.67700	0.00700	0.0	0.0	0.0	0.0
2.5800E 3	8.2626	0.0	0.0	0.67700	0.00700	0.0	0.0	0.0	0.0
2.5920E 3	8.2579	0.0	0.0	0.67600	0.00700	0.0	0.0	0.0	0.0
2.6000E 3	8.2548	0.0	0.0	0.67700	0.00700	0.0	0.0	0.0	0.0
2.6500E 3	8.2358	0.0	0.0	0.67400	0.00700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 68

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.7000E 3	8.2171	5.30000	4.62800	5.26760	0.67200	0.0	0.0	0.0	0.67200
2.8000E 3	8.1807	5.70000	5.03200	5.66478	0.66800	0.0	0.0	0.0	0.66800
2.9000E 3	8.1456	6.30000	5.63500	6.26056	0.66500	0.0	0.0	0.0	0.66500
2.9500E 3	8.1285	6.80000	6.13700	6.75704	0.66300	0.0	0.0	0.0	0.66300
3.0000E 3	8.1117	14.70000	14.04000	14.60172	0.66000	0.0	0.0	0.0	0.66000
3.1000E 3	8.0789	7.00000	6.34300	6.95560	0.65700	0.0	0.0	0.0	0.65700
3.2000E 3	8.0472	27.50000	26.84700	27.31207	0.65300	0.0	0.0	0.0	0.65300
3.2200E 3	8.0410	13.50000	12.84800	13.41006	0.65200	0.0	0.0	0.0	0.65200
3.2500E 3	8.0317	53.00000	52.34800	52.63356	0.65200	0.0	0.0	0.0	0.65200
3.3500E 3	8.0014	15.00000	14.35200	14.89954	0.64800	0.0	0.0	0.0	0.64800
3.4000E 3	7.9866	8.80000	8.15400	8.74292	0.64600	0.0	0.0	0.0	0.64600
3.5000E 3	7.9576	9.20000	8.55700	9.14010	0.64300	0.0	0.0	0.0	0.64300
3.5500E 3	7.9434	27.00000	26.35800	26.81549	0.64200	0.0	0.0	0.0	0.64200
3.6300E 3	7.9211	16.50000	15.86100	16.38897	0.63900	0.0	0.0	0.0	0.63900
3.7000E 3	7.9020	10.10000	9.46300	10.03376	0.63700	0.0	0.0	0.0	0.63700
3.7500E 3	7.8886	22.50000	21.86500	22.34695	0.63500	0.0	0.0	0.0	0.63500
3.8000E 3	7.8753	10.50000	9.86600	10.43094	0.63400	0.0	0.0	0.0	0.63400
3.9000E 3	7.8494	7.50000	6.86900	7.45192	0.63100	0.0	0.0	0.0	0.63100
4.1000E 3	7.7994	7.20000	6.57500	7.15398	0.62500	0.0	0.0	0.0	0.62500
4.2000E 3	7.7753	8.40000	7.77800	8.34555	0.62200	0.0	0.0	0.0	0.62200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.7000E 3	8.2171	0.0	0.0	0.67200	0.00700	0.0	0.0	0.0	0.0
2.8000E 3	8.1807	0.0	0.0	0.66800	0.00700	0.0	0.0	0.0	0.0
2.9000E 3	8.1456	0.0	0.0	0.66500	0.00700	0.0	0.0	0.0	0.0
2.9500E 3	8.1285	0.0	0.0	0.66300	0.00700	0.0	0.0	0.0	0.0
3.0000E 3	8.1117	0.0	0.0	0.66000	0.00700	0.0	0.0	0.0	0.0
3.1000E 3	8.0789	0.0	0.0	0.65700	0.00700	0.0	0.0	0.0	0.0
3.2000E 3	8.0472	0.0	0.0	0.65300	0.00700	0.0	0.0	0.0	0.0
3.2200E 3	8.0410	0.0	0.0	0.65200	0.00700	0.0	0.0	0.0	0.0
3.2500E 3	8.0317	0.0	0.0	0.65200	0.00700	0.0	0.0	0.0	0.0
3.3500E 3	8.0014	0.0	0.0	0.64800	0.00700	0.0	0.0	0.0	0.0
3.4000E 3	7.9866	0.0	0.0	0.64600	0.00700	0.0	0.0	0.0	0.0
3.5000E 3	7.9576	0.0	0.0	0.64300	0.00700	0.0	0.0	0.0	0.0
3.5500E 3	7.9434	0.0	0.0	0.64200	0.00700	0.0	0.0	0.0	0.0
3.6300E 3	7.9211	0.0	0.0	0.63900	0.00700	0.0	0.0	0.0	0.0
3.7000E 3	7.9020	0.0	0.0	0.63700	0.00700	0.0	0.0	0.0	0.0
3.7500E 3	7.8886	0.0	0.0	0.63500	0.00700	0.0	0.0	0.0	0.0
3.8000E 3	7.8753	0.0	0.0	0.63400	0.00700	0.0	0.0	0.0	0.0
3.9000E 3	7.8494	0.0	0.0	0.63100	0.00700	0.0	0.0	0.0	0.0
4.1000E 3	7.7994	0.0	0.0	0.62500	0.00700	0.0	0.0	0.0	0.0
4.2000E 3	7.7753	0.0	0.0	0.62200	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.3000E 3	7.7517	12.30000	11.68100	12.21823	0.61900	0.0	0.0	0.0	0.61900
4.4000E 3	7.7287	10.00000	9.38400	9.93431	0.61600	0.0	0.0	0.0	0.61600
4.6000E 3	7.6843	8.20000	7.59000	8.14687	0.61000	0.0	0.0	0.0	0.61000
4.8000E 3	7.6417	7.40000	6.79600	7.35243	0.60400	0.0	0.0	0.0	0.60400
4.9000E 3	7.6211	7.20000	6.59900	7.15381	0.60100	0.0	0.0	0.0	0.60100
5.1000E 3	7.5811	8.00000	7.40600	7.94816	0.59400	0.0	0.0	0.0	0.59400
5.2000E 3	7.5617	8.40000	7.80900	8.34534	0.59100	0.0	0.0	0.0	0.59100
5.3000E 3	7.5426	10.00000	9.41200	9.93412	0.58800	0.0	0.0	0.0	0.58800
5.4000E 3	7.5239	37.50000	36.91500	37.24160	0.58500	0.0	0.0	0.0	0.58500
5.5000E 3	7.5056	15.00000	14.41800	14.89907	0.58200	0.0	0.0	0.0	0.58200
5.6000E 3	7.4876	9.80000	9.22200	9.73545	0.57800	0.0	0.0	0.0	0.57800
5.7000E 3	7.4699	7.60000	7.02500	7.55083	0.57500	0.0	0.0	0.0	0.57500
5.9000E 3	7.4354	8.00000	7.43200	7.94798	0.56800	0.0	0.0	0.0	0.56800
6.3000E 3	7.3698	8.70000	8.14500	8.64299	0.55500	0.0	0.0	0.0	0.55500
6.8000E 3	7.2934	7.70000	7.16300	7.64986	0.53700	0.0	0.0	0.0	0.53700
7.2000E 3	7.2363	8.60000	8.07700	8.54346	0.52300	0.0	0.0	0.0	0.52300
7.3000E 3	7.2225	7.30000	6.78000	7.25254	0.52000	0.0	0.0	0.0	0.52000
7.4000E 3	7.2089	7.90000	7.38400	7.84831	0.51600	0.0	0.0	0.0	0.51600
7.8000E 3	7.1562	8.50000	7.99900	8.44401	0.50100	0.0	0.0	0.0	0.50100
8.0000E 3	7.1309	8.20000	7.70600	8.14606	0.49400	0.0	0.0	0.0	0.49400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.3000E 3	7.7517	0.0	0.0	0.61900	0.00700	0.0	0.0	0.0	0.0
4.4000E 3	7.7287	0.0	0.0	0.61600	0.00700	0.0	0.0	0.0	0.0
4.6000E 3	7.6843	0.0	0.0	0.61000	0.00700	0.0	0.0	0.0	0.0
4.8000E 3	7.6417	0.0	0.0	0.60400	0.00700	0.0	0.0	0.0	0.0
4.9000E 3	7.6211	0.0	0.0	0.60100	0.00700	0.0	0.0	0.0	0.0
5.1000E 3	7.5811	0.0	0.0	0.59400	0.00700	0.0	0.0	0.0	0.0
5.2000E 3	7.5617	0.0	0.0	0.59100	0.00700	0.0	0.0	0.0	0.0
5.3000E 3	7.5426	0.0	0.0	0.58800	0.00700	0.0	0.0	0.0	0.0
5.4000E 3	7.5239	0.0	0.0	0.58500	0.00700	0.0	0.0	0.0	0.0
5.5000E 3	7.5056	0.0	0.0	0.58200	0.00700	0.0	0.0	0.0	0.0
5.6000E 3	7.4876	0.0	0.0	0.57800	0.00700	0.0	0.0	0.0	0.0
5.7000E 3	7.4699	0.0	0.0	0.57500	0.00700	0.0	0.0	0.0	0.0
5.9000E 3	7.4354	0.0	0.0	0.56800	0.00700	0.0	0.0	0.0	0.0
6.3000E 3	7.3698	0.0	0.0	0.55500	0.00700	0.0	0.0	0.0	0.0
6.8000E 3	7.2934	0.0	0.0	0.53700	0.00700	0.0	0.0	0.0	0.0
7.2000E 3	7.2363	0.0	0.0	0.52300	0.00700	0.0	0.0	0.0	0.0
7.3000E 3	7.2225	0.0	0.0	0.52000	0.00700	0.0	0.0	0.0	0.0
7.4000E 3	7.2089	0.0	0.0	0.51600	0.00700	0.0	0.0	0.0	0.0
7.8000E 3	7.1562	0.0	0.0	0.50100	0.00700	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.49400	0.00700	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.5000E 3	7.0703	8.10000	7.62500	8.04663	0.47500	0.0	0.0	0.0	0.47500
8.7000E 3	7.0470	10.00000	9.53300	9.93327	0.46700	0.0	0.0	0.0	0.46700
9.1000E 3	7.0021	18.00000	17.54700	17.87717	0.45300	0.0	0.0	0.0	0.45300
9.5000E 3	6.9590	9.50000	9.06100	9.43657	0.43900	0.0	0.0	0.0	0.43900
9.8000E 3	6.9280	8.30000	7.87100	8.24490	0.42900	0.0	0.0	0.0	0.42900
10.7000E 3	6.8401	8.00000	7.60000	7.93920	0.40000	0.0	0.0	0.0	0.40000
11.4000E 3	6.7767	9.10000	8.72100	9.02151	0.37900	0.0	0.0	0.0	0.37900
12.0000E 3	6.7254	15.00000	14.63500	14.86829	0.36500	0.0	0.0	0.0	0.36500
12.4000E 3	6.6926	7.70000	7.34400	7.62656	0.35600	0.0	0.0	0.0	0.35600
13.0000E 3	6.6454	8.50000	8.15600	8.41844	0.34400	0.0	0.0	0.0	0.34400
13.5000E 3	6.6077	8.70000	8.36600	8.61634	0.33400	0.0	0.0	0.0	0.33400
13.7000E 3	6.5929	8.10000	7.77000	8.01453	0.33000	0.0	0.0	0.0	0.33000
14.0000E 3	6.5713	17.70000	17.37500	17.50888	0.32500	0.0	0.0	0.0	0.32500
14.5000E 3	6.5362	9.40000	9.08500	9.30007	0.31500	0.0	0.0	0.0	0.31500
15.3000E 3	6.4825	8.00000	7.69800	7.90762	0.30200	0.0	0.0	0.0	0.30200
15.8000E 3	6.4503	8.20000	7.90400	8.10515	0.29600	0.0	0.0	0.0	0.29600
16.3000E 3	6.4192	8.20000	7.91000	8.09717	0.29000	0.0	0.0	0.0	0.29000
16.5000E 3	6.4070	8.30000	8.01300	8.19583	0.28700	0.0	0.0	0.0	0.28700
17.0000E 3	6.3771	16.00000	15.71900	15.79565	0.28100	0.0	0.0	0.0	0.28100
17.5000E 3	6.3481	8.10000	7.82500	7.99045	0.27500	0.0	0.0	0.0	0.27500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.5000E 3	7.0703	0.0	0.0	0.47500	0.00700	0.0	0.0	0.0	0.0
8.7000E 3	7.0470	0.0	0.0	0.46700	0.00700	0.0	0.0	0.0	0.0
9.1000E 3	7.0021	0.0	0.0	0.45300	0.00700	0.0	0.0	0.0	0.0
9.5000E 3	6.9590	0.0	0.0	0.43900	0.00700	0.0	0.0	0.0	0.0
9.8000E 3	6.9280	0.0	0.0	0.42900	0.00700	0.0	0.0	0.0	0.0
10.7000E 3	6.8401	0.0	0.0	0.40000	0.00800	0.0	0.0	0.0	0.0
11.4000E 3	6.7767	0.0	0.0	0.37900	0.00900	0.0	0.0	0.0	0.0
12.0000E 3	6.7254	0.0	0.0	0.36500	0.00900	0.0	0.0	0.0	0.0
12.4000E 3	6.6926	0.0	0.0	0.35600	0.01000	0.0	0.0	0.0	0.0
13.0000E 3	6.6454	0.0	0.0	0.34400	0.01000	0.0	0.0	0.0	0.0
13.5000E 3	6.6077	0.0	0.0	0.33400	0.01000	0.0	0.0	0.0	0.0
13.7000E 3	6.5929	0.0	0.0	0.33000	0.01100	0.0	0.0	0.0	0.0
14.0000E 3	6.5713	0.0	0.0	0.32500	0.01100	0.0	0.0	0.0	0.0
14.5000E 3	6.5362	0.0	0.0	0.31500	0.01100	0.0	0.0	0.0	0.0
15.3000E 3	6.4825	0.0	0.0	0.30200	0.01200	0.0	0.0	0.0	0.0
15.8000E 3	6.4503	0.0	0.0	0.29600	0.01200	0.0	0.0	0.0	0.0
16.3000E 3	6.4192	0.0	0.0	0.29000	0.01300	0.0	0.0	0.0	0.0
16.5000E 3	6.4070	0.0	0.0	0.28700	0.01300	0.0	0.0	0.0	0.0
17.0000E 3	6.3771	0.0	0.0	0.28100	0.01300	0.0	0.0	0.0	0.0
17.5000E 3	6.3481	0.0	0.0	0.27500	0.01400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
18.0000E 3	6.3200	9.10000	8.83100	8.97637	0.26900	0.0	0.0	0.0	0.26900
18.5000E 3	6.2926	8.10000	7.83700	7.98245	0.26300	0.0	0.0	0.0	0.26300
19.0000E 3	6.2659	8.50000	8.24200	8.37637	0.25800	0.0	0.0	0.0	0.25800
20.0000E 3	6.2146	8.30000	8.05200	8.17117	0.24800	0.0	0.0	0.0	0.24800
20.5000E 3	6.1899	8.50000	8.25800	8.35961	0.24200	0.0	0.0	0.0	0.24200
21.3000E 3	6.1516	12.30000	12.06500	12.09490	0.23500	0.0	0.0	0.0	0.23500
21.7000E 3	6.1330	8.50000	8.26900	8.35943	0.23100	0.0	0.0	0.0	0.23100
22.3000E 3	6.1058	8.40000	8.17400	8.25287	0.22600	0.0	0.0	0.0	0.22600
23.0000E 3	6.0748	8.60000	8.37900	8.44080	0.22100	0.0	0.0	0.0	0.22100
23.7000E 3	6.0449	8.80000	8.58400	8.63690	0.21600	0.0	0.0	0.0	0.21600
24.2000E 3	6.0240	9.10000	8.88700	8.92226	0.21300	0.0	0.0	0.0	0.21300
24.5000E 3	6.0117	7.90000	7.68900	7.74622	0.21100	0.0	0.0	0.0	0.21100
24.8000E 3	5.9995	8.60000	8.39100	8.42379	0.20900	0.0	0.0	0.0	0.20900
25.5000E 3	5.9717	8.30000	8.09500	8.13001	0.20500	0.0	0.0	0.0	0.20500
26.1000E 3	5.9484	9.30000	9.09800	9.09984	0.20200	0.0	0.0	0.0	0.20200
26.7000E 3	5.9257	9.40000	9.20100	9.19758	0.19900	0.0	0.0	0.0	0.19900
27.4000E 3	5.8998	8.60000	8.40500	8.40669	0.19500	0.0	0.0	0.0	0.19500
27.9000E 3	5.8817	8.40000	8.20800	8.21122	0.19200	0.0	0.0	0.0	0.19200
28.5000E 3	5.8604	6.70000	6.51100	6.54374	0.18900	0.0	0.0	0.0	0.18900
28.8000E 3	5.8500	7.20000	7.01300	7.03169	0.18700	0.0	0.0	0.0	0.18700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
18.0000E 3	6.3200	0.0	0.0	0.26900	0.01400	0.0	0.0	0.0	0.0
18.5000E 3	6.2926	0.0	0.0	0.26300	0.01500	0.0	0.0	0.0	0.0
19.0000E 3	6.2659	0.0	0.0	0.25800	0.01500	0.0	0.0	0.0	0.0
20.0000E 3	6.2146	0.0	0.0	0.24800	0.01600	0.0	0.0	0.0	0.0
20.5000E 3	6.1899	0.0	0.0	0.24200	0.01700	0.0	0.0	0.0	0.0
21.3000E 3	6.1516	0.0	0.0	0.23500	0.01700	0.0	0.0	0.0	0.0
21.7000E 3	6.1330	0.0	0.0	0.23100	0.01700	0.0	0.0	0.0	0.0
22.3000E 3	6.1058	0.0	0.0	0.22600	0.01800	0.0	0.0	0.0	0.0
23.0000E 3	6.0748	0.0	0.0	0.22100	0.01900	0.0	0.0	0.0	0.0
23.7000E 3	6.0449	0.0	0.0	0.21600	0.01900	0.0	0.0	0.0	0.0
24.2000E 3	6.0240	0.0	0.0	0.21300	0.02000	0.0	0.0	0.0	0.0
24.5000E 3	6.0117	0.0	0.0	0.21100	0.02000	0.0	0.0	0.0	0.0
24.8000E 3	5.9995	0.0	0.0	0.20900	0.02100	0.0	0.0	0.0	0.0
25.5000E 3	5.9717	0.0	0.0	0.20500	0.02100	0.0	0.0	0.0	0.0
26.1000E 3	5.9484	0.0	0.0	0.20200	0.02200	0.0	0.0	0.0	0.0
26.7000E 3	5.9257	0.0	0.0	0.19900	0.02200	0.0	0.0	0.0	0.0
27.4000E 3	5.8998	0.0	0.0	0.19500	0.02300	0.0	0.0	0.0	0.0
27.9000E 3	5.8817	0.0	0.0	0.19200	0.02300	0.0	0.0	0.0	0.0
28.5000E 3	5.8604	0.0	0.0	0.18900	0.02400	0.0	0.0	0.0	0.0
28.8000E 3	5.8500	0.0	0.0	0.18700	0.02400	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 72

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
29.2000E 3	5.8362	7.80000	7.61400	7.60965	0.18600	0.0	0.0	0.0	0.18600
30.5000E 3	5.7926	8.10000	7.92100	7.89405	0.17900	0.0	0.0	0.0	0.17900
30.7000E 3	5.7861	8.50000	8.32100	8.28365	0.17900	0.0	0.0	0.0	0.17900
31.8000E 3	5.7509	8.60000	8.42500	8.37253	0.17500	0.0	0.0	0.0	0.17500
32.7000E 3	5.7230	7.40000	7.22900	7.19759	0.17100	0.0	0.0	0.0	0.17100
33.8000E 3	5.6899	11.80000	11.63300	11.46264	0.16700	0.0	0.0	0.0	0.16700
34.5000E 3	5.6694	9.20000	9.03500	8.93799	0.16500	0.0	0.0	0.0	0.16500
35.7000E 3	5.6352	10.30000	10.14000	9.99580	0.16000	0.0	0.0	0.0	0.16000
36.7000E 3	5.6076	9.60000	9.44500	9.30721	0.15500	0.0	0.0	0.0	0.15500
37.2000E 3	5.5940	8.30000	8.14600	8.04747	0.15400	0.0	0.0	0.0	0.15400
37.5000E 3	5.5860	7.10000	6.94700	6.87770	0.15300	0.0	0.0	0.0	0.15300
38.8000E 3	5.5519	7.90000	7.75100	7.64422	0.14900	0.0	0.0	0.0	0.14900
44.5000E 3	5.4149	9.00000	8.86500	8.66313	0.13500	0.0	0.0	0.0	0.13500
46.0000E 3	5.3817	8.60000	8.46900	8.26124	0.13100	0.0	0.0	0.0	0.13100
49.0000E 3	5.3185	8.50000	8.37400	8.14829	0.12600	0.0	0.0	0.0	0.12600
54.0000E 3	5.2214	8.40000	8.28300	8.01070	0.11700	0.0	0.0	0.0	0.11700
61.0000E 3	5.0995	9.10000	8.99200	8.62342	0.10800	0.0	0.0	0.0	0.10800
64.5000E 3	5.0437	9.30000	9.19700	8.78497	0.10300	0.0	0.0	0.0	0.10300
70.0000E 3	4.9618	9.30000	9.20250	8.74785	0.09750	0.0	0.0	0.0	0.09750
75.0000E 3	4.8929	9.00000	8.90700	8.42995	0.09300	0.0	0.0	0.0	0.09300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
29.2000E 3	5.8362	0.0	0.0	0.18600	0.02500	0.0	0.0	0.0	0.0
30.5000E 3	5.7926	0.0	0.0	0.17900	0.02600	0.0	0.0	0.0	0.0
30.7000E 3	5.7861	0.0	0.0	0.17900	0.02600	0.0	0.0	0.0	0.0
31.8000E 3	5.7509	0.0	0.0	0.17500	0.02700	0.0	0.0	0.0	0.0
32.7000E 3	5.7230	0.0	0.0	0.17100	0.02800	0.0	0.0	0.0	0.0
33.8000E 3	5.6899	0.0	0.0	0.16700	0.02900	0.0	0.0	0.0	0.0
34.5000E 3	5.6694	0.0	0.0	0.16500	0.02900	0.0	0.0	0.0	0.0
35.7000E 3	5.6352	0.0	0.0	0.16000	0.03000	0.0	0.0	0.0	0.0
36.7000E 3	5.6076	0.0	0.0	0.15500	0.03100	0.0	0.0	0.0	0.0
37.2000E 3	5.5940	0.0	0.0	0.15400	0.03100	0.0	0.0	0.0	0.0
37.5000E 3	5.5860	0.0	0.0	0.15300	0.03200	0.0	0.0	0.0	0.0
38.8000E 3	5.5519	0.0	0.0	0.14900	0.03300	0.0	0.0	0.0	0.0
44.5000E 3	5.4149	0.0	0.0	0.13500	0.03800	0.0	0.0	0.0	0.0
46.0000E 3	5.3817	0.0	0.0	0.13100	0.04000	0.0	0.0	0.0	0.0
49.0000E 3	5.3185	0.0	0.0	0.12600	0.04200	0.0	0.0	0.0	0.0
54.0000E 3	5.2214	0.0	0.0	0.11700	0.04700	0.0	0.0	0.0	0.0
61.0000E 3	5.0995	0.0	0.0	0.10800	0.05300	0.0	0.0	0.0	0.0
64.5000E 3	5.0437	0.0	0.0	0.10300	0.05600	0.0	0.0	0.0	0.0
70.0000E 3	4.9618	0.0	0.0	0.09750	0.06000	0.0	0.0	0.0	0.0
75.0000E 3	4.8929	0.0	0.0	0.09300	0.06400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E 3	4.8283	8.50000	8.41100	7.92805	0.08900	0.0	0.0	0.0	0.08900
85.0000E 3	4.7677	8.00000	7.91550	7.42217	0.08450	0.0	0.0	0.0	0.08450
90.0000E 3	4.7105	9.20000	9.11770	8.49794	0.08230	0.0	0.0	0.0	0.08230
95.0000E 3	4.6565	9.30000	9.22050	8.55314	0.07950	0.0	0.0	0.0	0.07950
100.0000E 3	4.6052	9.00000	8.92250	8.24159	0.07750	0.0	0.0	0.0	0.07750
105.0000E 3	4.5564	8.90000	8.82500	8.11458	0.07500	0.0	0.0	0.0	0.07500
110.0000E 3	4.5099	8.40000	8.32630	7.62565	0.07370	0.0	0.0	0.0	0.07370
112.0000E 3	4.4918	8.90000	8.82700	8.07026	0.07300	0.0	0.0	0.0	0.07300
115.0000E 3	4.4654	8.60000	8.52800	7.77278	0.07200	0.0	0.0	0.0	0.07200
122.0000E 3	4.4063	9.20000	9.13050	8.26869	0.06950	0.0	0.0	0.0	0.06950
130.0000E 3	4.3428	8.90000	8.83230	7.94611	0.06770	0.0	0.0	0.0	0.06770
150.0000E 3	4.1997	9.40000	9.33600	8.25167	0.06400	0.0	0.0	0.0	0.06400
170.0000E 3	4.0745	9.60000	9.53880	8.30272	0.06120	0.0	0.0	0.0	0.06120
205.0000E 3	3.8873	10.00000	9.94320	8.41903	0.05680	0.0	0.0	0.0	0.05680
220.0000E 3	3.8167	8.80000	8.73400	7.34142	0.05600	0.0	0.0	0.0	0.05600
245.0000E 3	3.7091	9.10000	9.02380	7.45767	0.05420	0.0	0.0	0.0	0.05420
260.0000E 3	3.6497	7.90000	7.81680	6.41481	0.05320	0.0	0.0	0.0	0.05320
270.0000E 3	3.6119	9.00000	8.91240	7.26208	0.05260	0.0	0.0	0.0	0.05260
295.0000E 3	3.5234	8.40000	8.30180	6.67323	0.05120	0.0	0.0	0.0	0.05120
310.0000E 3	3.4738	8.60000	8.49380	6.76534	0.05020	0.0	0.0	0.0	0.05020

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E 3	4.8283	0.0	0.0	0.08900	0.06800	0.0	0.0	0.0	0.0
85.0000E 3	4.7677	0.0	0.0	0.08450	0.07300	0.0	0.0	0.0	0.0
90.0000E 3	4.7105	0.0	0.0	0.08230	0.07700	0.0	0.0	0.0	0.0
95.0000E 3	4.6565	0.0	0.0	0.07950	0.08100	0.0	0.0	0.0	0.0
100.0000E 3	4.6052	0.0	0.0	0.07750	0.08500	0.0	0.0	0.0	0.0
105.0000E 3	4.5564	0.0	0.0	0.07500	0.08900	0.0	0.0	0.0	0.0
110.0000E 3	4.5099	0.0	0.0	0.07370	0.09300	0.0	0.0	0.0	0.0
112.0000E 3	4.4918	0.0	0.0	0.07300	0.09400	0.0	0.0	0.0	0.0
115.0000E 3	4.4654	0.0	0.0	0.07200	0.09700	0.0	0.0	0.0	0.0
122.0000E 3	4.4063	0.0	0.0	0.06950	0.10200	0.0	0.0	0.0	0.0
130.0000E 3	4.3428	0.0	0.0	0.06770	0.10800	0.0	0.0	0.0	0.0
150.0000E 3	4.1997	0.0	0.0	0.06400	0.12300	0.0	0.0	0.0	0.0
170.0000E 3	4.0745	0.0	0.0	0.06120	0.13600	0.0	0.0	0.0	0.0
205.0000E 3	3.8873	0.0	0.0	0.05680	0.15900	0.0	0.0	0.0	0.0
220.0000E 3	3.8167	0.01000	0.0	0.06600	0.16700	0.0	0.0	0.0	0.0
245.0000E 3	3.7091	0.02200	0.0	0.07620	0.18200	0.0	0.0	0.0	0.0
260.0000E 3	3.6497	0.03000	0.0	0.08320	0.19000	0.0	0.0	0.0	0.0
270.0000E 3	3.6119	0.03500	0.0	0.08760	0.19500	0.0	0.0	0.0	0.0
295.0000E 3	3.5234	0.04700	0.0	0.09820	0.20800	0.0	0.0	0.0	0.0
310.0000E 3	3.4738	0.05600	0.0	0.10620	0.21600	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 74

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
330.0000E 3	3.4112	8.70000	8.58460	6.75988	0.04940	0.0	0.0	0.0	0.04940
340.0000E 3	3.3814	8.50000	8.38120	6.56394	0.04880	0.0	0.0	0.0	0.04880
350.0000E 3	3.3524	8.30000	8.17680	6.37028	0.04820	0.0	0.0	0.0	0.04820
370.0000E 3	3.2968	8.70000	8.56740	6.59242	0.04760	0.0	0.0	0.0	0.04760
380.0000E 3	3.2702	8.10000	7.96290	6.09335	0.04710	0.0	0.0	0.0	0.04710
390.0000E 3	3.2442	9.00000	8.85820	6.72344	0.04680	0.0	0.0	0.0	0.04680
405.0000E 3	3.2065	8.40000	8.25060	6.22184	0.04640	0.0	0.0	0.0	0.04640
415.0000E 3	3.1821	8.30000	8.14600	6.10873	0.04600	0.0	0.0	0.0	0.04600
425.0000E 3	3.1583	7.90000	7.74120	5.77891	0.04580	0.0	0.0	0.0	0.04580
435.0000E 3	3.1350	8.20000	8.03540	5.95812	0.04560	0.0	0.0	0.0	0.04560
455.0000E 3	3.0900	8.30000	8.12660	5.94329	0.04540	0.0	0.0	0.0	0.04540
495.0000E 3	3.0058	8.30000	8.10830	5.79454	0.04470	0.0	0.0	0.0	0.04470
500.0000E 3	2.9957	7.80000	7.60540	5.42712	0.04460	0.0	0.0	0.0	0.04460
540.0000E 3	2.9188	7.50000	7.28380	5.16190	0.04420	0.0	0.0	0.0	0.04420
550.0000E 3	2.9004	8.20000	7.97480	5.62414	0.04420	0.0	0.0	0.0	0.04420
560.0000E 3	2.8824	7.80000	7.56590	5.35621	0.04410	0.0	0.0	0.0	0.04410
570.0000E 3	2.8647	7.30000	7.05690	5.01356	0.04410	0.0	0.0	0.0	0.04410
580.0000E 3	2.8473	8.00000	7.74800	5.48965	0.04400	0.0	0.0	0.0	0.04400
590.0000E 3	2.8302	8.10000	7.83910	5.56013	0.04390	0.0	0.0	0.0	0.04390
600.0000E 3	2.8134	8.10000	7.82830	5.56363	0.04370	0.0	0.0	0.0	0.04370

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
330.0000E 3	3.4112	0.06600	0.0	0.11540	0.22600	0.0	0.0	0.0	0.0
340.0000E 3	3.3814	0.07000	0.0	0.11880	0.23100	0.0	0.0	0.0	0.0
350.0000E 3	3.3524	0.07500	0.0	0.12320	0.23600	0.0	0.0	0.0	0.0
370.0000E 3	3.2968	0.08500	0.0	0.13260	0.24600	0.0	0.0	0.0	0.0
380.0000E 3	3.2702	0.09000	0.0	0.13710	0.25200	0.0	0.0	0.0	0.0
390.0000E 3	3.2442	0.09500	0.0	0.14180	0.25700	0.0	0.0	0.0	0.0
405.0000E 3	3.2065	0.10300	0.0	0.14940	0.26400	0.0	0.0	0.0	0.0
415.0000E 3	3.1821	0.10800	0.0	0.15400	0.26900	0.0	0.0	0.0	0.0
425.0000E 3	3.1583	0.11300	0.0	0.15880	0.27400	0.0	0.0	0.0	0.0
435.0000E 3	3.1350	0.11900	0.0	0.16460	0.27900	0.0	0.0	0.0	0.0
455.0000E 3	3.0900	0.12800	0.0	0.17340	0.29000	0.0	0.0	0.0	0.0
495.0000E 3	3.0058	0.14700	0.0	0.19170	0.30900	0.0	0.0	0.0	0.0
500.0000E 3	2.9957	0.15000	0.0	0.19460	0.31200	0.0	0.0	0.0	0.0
540.0000E 3	2.9188	0.17200	0.0	0.21620	0.32100	0.0	0.0	0.0	0.0
550.0000E 3	2.9004	0.18100	0.0	0.22520	0.32300	0.0	0.0	0.0	0.0
560.0000E 3	2.8824	0.19000	0.0	0.23410	0.32300	0.0	0.0	0.0	0.0
570.0000E 3	2.8647	0.19900	0.0	0.24310	0.32400	0.0	0.0	0.0	0.0
580.0000E 3	2.8473	0.20800	0.0	0.25200	0.32400	0.0	0.0	0.0	0.0
590.0000E 3	2.8302	0.21700	0.0	0.26090	0.32400	0.0	0.0	0.0	0.0
600.0000E 3	2.8134	0.22800	0.0	0.27170	0.32400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
610.0000E 3	2.7969	8.00000	7.71650	5.49214	0.04350	0.0	0.0	0.0	0.04350
630.0000E 3	2.7646	7.90000	7.59070	5.43302	0.04330	0.0	0.0	0.0	0.04330
640.0000E 3	2.7489	7.40000	7.07690	5.09293	0.04310	0.0	0.0	0.0	0.04310
650.0000E 3	2.7334	7.00000	6.66410	4.82084	0.04290	0.0	0.0	0.0	0.04290
675.0000E 3	2.6956	7.50000	7.13180	5.13224	0.04220	0.0	0.0	0.0	0.04220
680.0000E 3	2.6882	7.90000	7.52500	5.38665	0.04200	0.0	0.0	0.0	0.04200
690.0000E 3	2.6736	7.40000	7.01130	5.03018	0.04170	0.0	0.0	0.0	0.04170
700.0000E 3	2.6593	7.60000	7.19850	5.13811	0.04150	0.0	0.0	0.0	0.04150
705.0000E 3	2.6521	7.50000	7.09070	5.06080	0.04130	0.0	0.0	0.0	0.04130
715.0000E 3	2.6381	7.40000	6.97690	4.97204	0.04110	0.0	0.0	0.0	0.04110
725.0000E 3	2.6242	7.40000	6.96510	4.94828	0.04090	0.0	0.0	0.0	0.04090
745.0000E 3	2.5970	7.20000	6.74050	4.77342	0.04050	0.0	0.0	0.0	0.04050
755.0000E 3	2.5836	7.20000	6.72800	4.75774	0.04000	0.0	0.0	0.0	0.04000
765.0000E 3	2.5705	7.10000	6.61730	4.66483	0.03970	0.0	0.0	0.0	0.03970
775.0000E 3	2.5575	7.20000	6.70550	4.70555	0.03950	0.0	0.0	0.0	0.03950
785.0000E 3	2.5447	7.40000	6.89480	4.80756	0.03920	0.0	0.0	0.0	0.03920
795.0000E 3	2.5320	7.30000	6.78400	4.72208	0.03900	0.0	0.0	0.0	0.03900
805.0000E 3	2.5195	7.30000	6.76800	4.70109	0.03800	0.0	0.0	0.0	0.03800
815.0000E 3	2.5072	7.30000	6.75800	4.68465	0.03700	0.0	0.0	0.0	0.03700
820.0000E 3	2.5010	7.60000	7.05450	4.85580	0.03650	0.0	0.0	0.0	0.03650

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
610.0000E 3	2.7969	0.24000	0.0	0.28350	0.32500	0.0	0.0	0.0	0.0
630.0000E 3	2.7646	0.26600	0.0	0.30930	0.32500	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.28000	0.0	0.32310	0.32600	0.0	0.0	0.0	0.0
650.0000E 3	2.7334	0.29300	0.0	0.33590	0.32700	0.0	0.0	0.0	0.0
675.0000E 3	2.6956	0.32600	0.0	0.36820	0.33200	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.33300	0.0	0.37500	0.33400	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.34700	0.0	0.38870	0.33800	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.36000	0.0	0.40150	0.34200	0.0	0.0	0.0	0.0
705.0000E 3	2.6521	0.36800	0.0	0.40930	0.34400	0.0	0.0	0.0	0.0
715.0000E 3	2.6381	0.38200	0.0	0.42310	0.34800	0.0	0.0	0.0	0.0
725.0000E 3	2.6242	0.39400	0.0	0.43490	0.35200	0.0	0.0	0.0	0.0
745.0000E 3	2.5970	0.41900	0.0	0.45950	0.36000	0.0	0.0	0.0	0.0
755.0000E 3	2.5836	0.43200	0.0	0.47200	0.36300	0.0	0.0	0.0	0.0
765.0000E 3	2.5705	0.44300	0.0	0.48270	0.36800	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.45500	0.0	0.49450	0.37200	0.0	0.0	0.0	0.0
785.0000E 3	2.5447	0.46600	0.0	0.50520	0.37600	0.0	0.0	0.0	0.0
795.0000E 3	2.5320	0.47700	0.0	0.51600	0.38000	0.0	0.0	0.0	0.0
805.0000E 3	2.5195	0.49400	0.0	0.53200	0.38400	0.0	0.0	0.0	0.0
815.0000E 3	2.5072	0.50500	0.0	0.54200	0.38700	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.50900	0.0	0.54550	0.38900	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 76

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
830.0000E 3	2.4889	7.50000	6.94430	4.77089	0.03570	0.0	0.0	0.0	0.03570
840.0000E 3	2.4769	7.00000	6.43310	4.44606	0.03490	0.0	0.0	0.0	0.03490
850.0000E 3	2.4651	7.40000	6.82100	4.67160	0.03400	0.0	0.0	0.0	0.03400
860.0000E 3	2.4534	6.60000	6.00670	4.17930	0.03330	0.0	0.0	0.0	0.03330
870.0000E 3	2.4418	7.40000	6.79040	4.64310	0.03260	0.0	0.0	0.0	0.03260
890.0000E 3	2.4191	6.60000	5.95380	4.14703	0.03120	0.0	0.0	0.0	0.03120
920.0000E 3	2.3860	7.30000	6.57900	4.54340	0.03100	0.0	0.0	0.0	0.03100
930.0000E 3	2.3752	7.00000	6.25100	4.35583	0.03100	0.0	0.0	0.0	0.03100
955.0000E 3	2.3486	6.40000	5.53100	4.02720	0.03100	0.0	0.0	0.0	0.03100
960.0000E 3	2.3434	7.30000	6.41000	4.54370	0.03100	0.0	0.0	0.0	0.03100
970.0000E 3	2.3330	6.90000	5.94700	4.33090	0.03100	0.0	0.0	0.0	0.03100
990.0000E 3	2.3126	6.20000	5.13400	3.97184	0.03100	0.0	0.0	0.0	0.03100
1.0000E 6	2.3026	6.20000	5.08500	3.98803	0.03100	0.0	0.0	0.0	0.03100
1.0200E 6	2.2828	6.30000	5.14350	4.06772	0.03050	0.0	0.0	0.0	0.03050
1.0300E 6	2.2730	6.50000	5.33280	4.18556	0.03020	0.0	0.0	0.0	0.03020
1.0450E 6	2.2586	6.40000	5.22720	4.13140	0.02980	0.0	0.0	0.0	0.02980
1.0550E 6	2.2490	6.40000	5.22550	4.13736	0.02950	0.0	0.0	0.0	0.02950
1.0700E 6	2.2349	6.30000	5.12390	4.08648	0.02910	0.0	0.0	0.0	0.02910
1.0800E 6	2.2256	6.40000	5.22820	4.14665	0.02880	0.0	0.0	0.0	0.02880
1.0950E 6	2.2118	6.50000	5.32960	4.20827	0.02840	0.0	0.0	0.0	0.02840

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
830.0000E 3	2.4889	0.52000	0.0	0.55570	0.39300	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.53200	0.0	0.56690	0.39700	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.54500	0.0	0.57900	0.40000	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.56000	0.0	0.59330	0.40300	0.0	0.0	0.0	0.0
870.0000E 3	2.4418	0.57700	0.0	0.60960	0.40600	0.0	0.0	0.0	0.0
890.0000E 3	2.4191	0.61500	0.0	0.64620	0.41200	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.69000	0.0	0.72100	0.41900	0.0	0.0	0.0	0.0
930.0000E 3	2.3752	0.71800	0.0	0.74900	0.42300	0.0	0.0	0.0	0.0
955.0000E 3	2.3486	0.83800	0.0	0.86900	0.42900	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	0.85900	0.0	0.89000	0.43000	0.0	0.0	0.0	0.0
970.0000E 3	2.3330	0.92200	0.0	0.95300	0.43200	0.0	0.0	0.0	0.0
990.0000E 3	2.3126	1.03500	0.0	1.06600	0.43400	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	1.08400	0.0	1.11500	0.43500	0.0	0.0	0.0	0.0
1.0200E 6	2.2828	1.12600	0.0	1.15650	0.43400	0.0	0.0	0.0	0.0
1.0300E 6	2.2730	1.13700	0.0	1.16720	0.43400	0.0	0.0	0.0	0.0
1.0450E 6	2.2586	1.14300	0.0	1.17280	0.43400	0.0	0.0	0.0	0.0
1.0550E 6	2.2490	1.14500	0.0	1.17450	0.43300	0.0	0.0	0.0	0.0
1.0700E 6	2.2349	1.14700	0.0	1.17610	0.43200	0.0	0.0	0.0	0.0
1.0800E 6	2.2256	1.14300	0.0	1.17180	0.43100	0.0	0.0	0.0	0.0
1.0950E 6	2.2118	1.14200	0.0	1.17040	0.43000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.1000E 6	2.2073	6.70000	5.53070	4.32180	0.02830	0.0	0.0	0.0	0.02830
1.1050E 6	2.2027	6.70000	5.53380	4.32600	0.02820	0.0	0.0	0.0	0.02820
1.1100E 6	2.1982	6.70000	5.53600	4.32506	0.02800	0.0	0.0	0.0	0.02800
1.1200E 6	2.1893	6.90000	5.73220	4.44662	0.02780	0.0	0.0	0.0	0.02780
1.1300E 6	2.1804	6.40000	5.23250	4.16049	0.02750	0.0	0.0	0.0	0.02750
1.1400E 6	2.1716	6.20000	5.03070	4.05189	0.02730	0.0	0.0	0.0	0.02730
1.1450E 6	2.1672	6.50000	5.33180	4.22332	0.02720	0.0	0.0	0.0	0.02720
1.3000E 6	2.0402	5.80000	4.65290	3.73877	0.02410	0.0	0.0	0.0	0.02410
1.4000E 6	1.9661	5.97000	4.61200	3.91800	0.02700	0.0	0.0	0.0	0.02700
1.4600E 6	1.9241	5.50000	4.23930	3.51177	0.02170	0.0	0.0	0.0	0.02170
1.5500E 6	1.8643	5.30000	3.91950	3.43040	0.02040	0.0	0.00010	0.0	0.02050
1.6100E 6	1.8264	5.40000	3.91410	3.51732	0.01970	0.0	0.00020	0.0	0.01990
1.7500E 6	1.7430	5.00000	3.33430	3.37620	0.01820	0.0	0.00050	0.0	0.01870
1.8600E 6	1.6820	5.00000	3.22290	3.42400	0.01730	0.0	0.00080	0.0	0.01810
1.9000E 6	1.6607	5.20000	3.38320	3.54223	0.01680	0.0	0.00100	0.0	0.01780
2.0600E 6	1.5799	4.70000	2.79600	3.32996	0.01550	0.0	0.00150	0.0	0.01700
2.1500E 6	1.5371	4.80000	2.89740	3.38027	0.01480	0.0	0.00180	0.0	0.01660
2.2500E 6	1.4917	4.50000	2.59360	3.22914	0.01420	0.0	0.00220	0.0	0.01640
2.4500E 6	1.4065	4.80000	2.88610	3.38292	0.01300	0.0	0.00290	0.0	0.01590
2.4930E 6	1.3891	4.35800	2.44220	3.15888	0.01280	0.0	0.00300	0.0	0.01580

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.1000E 6	2.2073	1.14100	0.0	1.16930	0.43000	0.0	0.0	0.0	0.0
1.1050E 6	2.2027	1.13800	0.0	1.16620	0.42900	0.0	0.0	0.0	0.0
1.1100E 6	2.1982	1.13600	0.0	1.16400	0.42900	0.0	0.0	0.0	0.0
1.1200E 6	2.1893	1.14000	0.0	1.16780	0.42800	0.0	0.0	0.0	0.0
1.1300E 6	2.1804	1.14000	0.0	1.16750	0.42800	0.0	0.0	0.0	0.0
1.1400E 6	2.1716	1.14200	0.0	1.16930	0.42700	0.0	0.0	0.0	0.0
1.1450E 6	2.1672	1.14100	0.0	1.16820	0.42700	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	1.12300	0.0	1.14710	0.44300	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	1.33100	0.0	1.35800	0.44500	0.0	0.0	0.0	0.0
1.4600E 6	1.9241	1.23900	0.0	1.26070	0.46900	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	1.36000	0.0	1.38050	0.47700	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	1.46600	0.0	1.48590	0.48100	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	1.64700	0.0	1.66570	0.48700	0.0	0.0	0.0	0.0
1.8600E 6	1.6820	1.75900	0.0	1.77710	0.48900	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	1.79900	0.0	1.81680	0.49000	0.0	0.0	0.0	0.0
2.0600E 6	1.5799	1.88700	0.0	1.90400	0.49000	0.0	0.0	0.0	0.0
2.1500E 6	1.5371	1.88600	0.0	1.90260	0.49000	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	1.89000	0.0	1.90640	0.49000	0.0	0.0	0.0	0.0
2.4500E 6	1.4065	1.89800	0.0	1.91390	0.49100	0.0	0.0	0.0	0.0
2.4930E 6	1.3891	1.90000	0.0	1.91580	0.49100	0.0	0.0	0.0	0.0

MATERIAL MO

MO -CS- 78

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5060E 6	1.3839	4.38900	2.46830	3.17706	0.01270	0.0	0.00300	0.0	0.01570
2.5190E 6	1.3787	4.54700	2.62130	3.25994	0.01260	0.0	0.00310	0.0	0.01570
2.5320E 6	1.3736	4.37600	2.44640	3.17482	0.01250	0.0	0.00310	0.0	0.01560
2.5450E 6	1.3685	4.56000	2.62540	3.27093	0.01240	0.0	0.00320	0.0	0.01560
2.5590E 6	1.3630	4.34000	2.40040	3.16140	0.01240	0.0	0.00320	0.0	0.01560
2.5730E 6	1.3575	4.38900	2.44440	3.18880	0.01230	0.0	0.00330	0.0	0.01560
2.5870E 6	1.3521	4.36700	2.41740	3.18006	0.01230	0.0	0.00330	0.0	0.01560
2.6000E 6	1.3471	4.56000	2.60540	3.28075	0.01220	0.0	0.00340	0.0	0.01560
2.6140E 6	1.3417	4.18300	2.22340	3.08909	0.01220	0.0	0.00340	0.0	0.01560
2.6280E 6	1.3364	4.22300	2.25840	3.11187	0.01210	0.0	0.00350	0.0	0.01560
2.6420E 6	1.3310	4.66000	2.69040	3.33632	0.01210	0.0	0.00350	0.0	0.01560
2.6560E 6	1.3258	4.39800	2.42440	3.20520	0.01200	0.0	0.00360	0.0	0.01560
2.6700E 6	1.3205	4.49400	2.51550	3.25637	0.01190	0.0	0.00360	0.0	0.01550
2.6850E 6	1.3149	4.38900	2.40640	3.20505	0.01190	0.0	0.00370	0.0	0.01560
2.7000E 6	1.3093	4.30900	2.32250	3.16633	0.01180	0.0	0.00370	0.0	0.01550
2.7150E 6	1.3038	4.23900	2.24740	3.13328	0.01180	0.0	0.00380	0.0	0.01560
2.7290E 6	1.2986	3.97800	1.98250	3.00261	0.01170	0.0	0.00380	0.0	0.01550
2.7440E 6	1.2932	4.27200	2.27250	3.15393	0.01160	0.0	0.00390	0.0	0.01550
2.7600E 6	1.2874	4.57300	2.56950	3.30881	0.01160	0.0	0.00390	0.0	0.01550
2.7760E 6	1.2816	4.31300	2.30450	3.17688	0.01150	0.0	0.00400	0.0	0.01550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5060E 6	1.3839	1.90500	0.0	1.92070	0.49100	0.0	0.0	0.0	0.0
2.5190E 6	1.3787	1.91000	0.0	1.92570	0.49100	0.0	0.0	0.0	0.0
2.5320E 6	1.3736	1.91400	0.0	1.92960	0.49100	0.0	0.0	0.0	0.0
2.5450E 6	1.3685	1.91900	0.0	1.93460	0.49100	0.0	0.0	0.0	0.0
2.5590E 6	1.3630	1.92400	0.0	1.93960	0.49100	0.0	0.0	0.0	0.0
2.5730E 6	1.3575	1.92900	0.0	1.94460	0.49100	0.0	0.0	0.0	0.0
2.5870E 6	1.3521	1.93400	0.0	1.94960	0.49100	0.0	0.0	0.0	0.0
2.6000E 6	1.3471	1.93900	0.0	1.95460	0.49100	0.0	0.0	0.0	0.0
2.6140E 6	1.3417	1.94400	0.0	1.95960	0.49200	0.0	0.0	0.0	0.0
2.6280E 6	1.3364	1.94900	0.0	1.96460	0.49200	0.0	0.0	0.0	0.0
2.6420E 6	1.3310	1.95400	0.0	1.96960	0.49200	0.0	0.0	0.0	0.0
2.6560E 6	1.3258	1.95800	0.0	1.97360	0.49200	0.0	0.0	0.0	0.0
2.6700E 6	1.3205	1.96300	0.0	1.97850	0.49200	0.0	0.0	0.0	0.0
2.6850E 6	1.3149	1.96700	0.0	1.98260	0.49200	0.0	0.0	0.0	0.0
2.7000E 6	1.3093	1.97100	0.0	1.98650	0.49200	0.0	0.0	0.0	0.0
2.7150E 6	1.3038	1.97600	0.0	1.99160	0.49200	0.0	0.0	0.0	0.0
2.7290E 6	1.2986	1.98000	0.0	1.99550	0.49200	0.0	0.0	0.0	0.0
2.7440E 6	1.2932	1.98400	0.0	1.99950	0.49200	0.0	0.0	0.0	0.0
2.7600E 6	1.2874	1.98800	0.0	2.00350	0.49200	0.0	0.0	0.0	0.0
2.7760E 6	1.2816	1.99300	0.0	2.00850	0.49300	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.7910E 6	1.2762	4.26900	2.25650	3.15655	0.01150	0.0	0.00400	0.0	0.01550
2.8070E 6	1.2705	4.01800	2.00050	3.03175	0.01140	0.0	0.00410	0.0	0.01550
2.8230E 6	1.2648	4.15800	2.13660	3.10466	0.01130	0.0	0.00410	0.0	0.01540
2.8390E 6	1.2591	4.06200	2.03650	3.05801	0.01130	0.0	0.00420	0.0	0.01550
2.8550E 6	1.2535	4.18500	2.15560	3.12229	0.01120	0.0	0.00420	0.0	0.01540
2.8700E 6	1.2483	4.18800	2.15460	3.12363	0.01110	0.0	0.00430	0.0	0.01540
2.8860E 6	1.2427	4.07000	2.03270	3.06585	0.01100	0.0	0.00430	0.0	0.01530
2.9030E 6	1.2368	3.93900	1.89770	3.00154	0.01090	0.0	0.00440	0.0	0.01530
2.9190E 6	1.2313	4.05400	2.00870	3.06170	0.01080	0.0	0.00450	0.0	0.01530
2.9360E 6	1.2255	4.19700	2.14760	3.13609	0.01080	0.0	0.00460	0.0	0.01540
2.9520E 6	1.2201	4.08200	2.02870	3.07982	0.01070	0.0	0.00460	0.0	0.01530
2.9690E 6	1.2144	4.11800	2.06060	3.09800	0.01070	0.0	0.00470	0.0	0.01540
2.9870E 6	1.2083	4.21100	2.14970	3.14690	0.01060	0.0	0.00470	0.0	0.01530
3.0040E 6	1.2026	4.21900	2.15460	3.15247	0.01060	0.0	0.00480	0.0	0.01540
3.0230E 6	1.1963	4.14700	2.07970	3.11755	0.01050	0.0	0.00480	0.0	0.01530
3.0400E 6	1.1907	4.09900	2.02760	3.09331	0.01050	0.0	0.00490	0.0	0.01540
3.0580E 6	1.1848	3.99500	1.92070	3.04233	0.01040	0.0	0.00490	0.0	0.01530
3.0760E 6	1.1790	4.29800	2.22070	3.19653	0.01030	0.0	0.00500	0.0	0.01530
3.0940E 6	1.1731	4.12600	2.04570	3.10929	0.01030	0.0	0.00500	0.0	0.01530
3.1120E 6	1.1673	4.06100	1.97770	3.07808	0.01020	0.0	0.00510	0.0	0.01530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.7910E 6	1.2762	1.99700	0.0	2.01250	0.49300	0.0	0.0	0.0	0.0
2.8070E 6	1.2705	2.00200	0.0	2.01750	0.49300	0.0	0.0	0.0	0.0
2.8230E 6	1.2648	2.00600	0.0	2.02140	0.49300	0.0	0.0	0.0	0.0
2.8390E 6	1.2591	2.01000	0.0	2.02550	0.49300	0.0	0.0	0.0	0.0
2.8550E 6	1.2535	2.01400	0.0	2.02940	0.49300	0.0	0.0	0.0	0.0
2.8700E 6	1.2483	2.01800	0.0	2.03340	0.49400	0.0	0.0	0.0	0.0
2.8860E 6	1.2427	2.02200	0.0	2.03730	0.49400	0.0	0.0	0.0	0.0
2.9030E 6	1.2368	2.02600	0.0	2.04130	0.49400	0.0	0.0	0.0	0.0
2.9190E 6	1.2313	2.03000	0.0	2.04530	0.49400	0.0	0.0	0.0	0.0
2.9360E 6	1.2255	2.03400	0.0	2.04940	0.49400	0.0	0.0	0.0	0.0
2.9520E 6	1.2201	2.03800	0.0	2.05330	0.49400	0.0	0.0	0.0	0.0
2.9690E 6	1.2144	2.04200	0.0	2.05740	0.49500	0.0	0.0	0.0	0.0
2.9870E 6	1.2083	2.04600	0.0	2.06130	0.49500	0.0	0.0	0.0	0.0
3.0040E 6	1.2026	2.04900	0.0	2.06440	0.49500	0.0	0.0	0.0	0.0
3.0230E 6	1.1963	2.05200	0.0	2.06730	0.49500	0.0	0.0	0.0	0.0
3.0400E 6	1.1907	2.05600	0.0	2.07140	0.49600	0.0	0.0	0.0	0.0
3.0580E 6	1.1848	2.05900	0.0	2.07430	0.49600	0.0	0.0	0.0	0.0
3.0760E 6	1.1790	2.06200	0.0	2.07730	0.49600	0.0	0.0	0.0	0.0
3.0940E 6	1.1731	2.06500	0.0	2.08030	0.49700	0.0	0.0	0.0	0.0
3.1120E 6	1.1673	2.06800	0.0	2.08330	0.49700	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 80

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.1300E 6	1.1616	4.07000	1.98360	3.08415	0.01020	0.0	0.00520	0.0	0.01540
3.1480E 6	1.1558	3.85200	1.76280	2.97413	0.01000	0.0	0.00520	0.0	0.01520
3.1670E 6	1.1498	3.95800	1.86570	3.02888	0.01000	0.0	0.00530	0.0	0.01530
3.1870E 6	1.1435	4.01700	1.92180	3.05994	0.00990	0.0	0.00530	0.0	0.01520
3.2060E 6	1.1376	3.86800	1.76980	2.98487	0.00980	0.0	0.00540	0.0	0.01520
3.2260E 6	1.1313	4.11700	2.01670	3.11067	0.00980	0.0	0.00550	0.0	0.01530
3.2460E 6	1.1252	3.93400	1.83080	3.01860	0.00970	0.0	0.00550	0.0	0.01520
3.2650E 6	1.1193	3.92200	1.81570	3.01415	0.00970	0.0	0.00560	0.0	0.01530
3.2850E 6	1.1132	4.00200	1.89270	3.05376	0.00960	0.0	0.00570	0.0	0.01530
3.3050E 6	1.1071	4.15300	2.04160	3.13016	0.00960	0.0	0.00580	0.0	0.01540
3.3250E 6	1.1011	3.90800	1.79370	3.00756	0.00950	0.0	0.00580	0.0	0.01530
3.3450E 6	1.0951	4.14200	2.02570	3.12510	0.00940	0.0	0.00590	0.0	0.01530
3.3640E 6	1.0895	4.04600	1.92660	3.07692	0.00940	0.0	0.00600	0.0	0.01540
3.3840E 6	1.0835	3.82900	1.70760	2.96837	0.00930	0.0	0.00610	0.0	0.01540
3.4040E 6	1.0776	3.92000	1.79650	3.01456	0.00930	0.0	0.00620	0.0	0.01550
3.4260E 6	1.0712	3.80700	1.68160	2.95779	0.00920	0.0	0.00620	0.0	0.01540
3.4470E 6	1.0651	3.93200	1.80450	3.02073	0.00920	0.0	0.00630	0.0	0.01550
3.4690E 6	1.0587	3.75100	1.62150	2.93052	0.00910	0.0	0.00640	0.0	0.01550
3.4900E 6	1.0527	3.80000	1.66840	2.95412	0.00910	0.0	0.00650	0.0	0.01560
3.5130E 6	1.0461	4.12400	1.99040	3.11288	0.00900	0.0	0.00660	0.0	0.01560

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.1300E 6	1.1616	2.07100	0.0	2.08640	0.49700	0.0	0.0	0.0	0.0
3.1480E 6	1.1558	2.07400	0.0	2.08920	0.49800	0.0	0.0	0.0	0.0
3.1670E 6	1.1498	2.07700	0.0	2.09230	0.49800	0.0	0.0	0.0	0.0
3.1870E 6	1.1435	2.08000	0.0	2.09520	0.49800	0.0	0.0	0.0	0.0
3.2060E 6	1.1376	2.08300	0.0	2.09820	0.49900	0.0	0.0	0.0	0.0
3.2260E 6	1.1313	2.08500	0.0	2.10030	0.49900	0.0	0.0	0.0	0.0
3.2460E 6	1.1252	2.08800	0.0	2.10320	0.50000	0.0	0.0	0.0	0.0
3.2650E 6	1.1193	2.09100	0.0	2.10630	0.50000	0.0	0.0	0.0	0.0
3.2850E 6	1.1132	2.09400	0.0	2.10930	0.50100	0.0	0.0	0.0	0.0
3.3050E 6	1.1071	2.09600	0.0	2.11140	0.50100	0.0	0.0	0.0	0.0
3.3250E 6	1.1011	2.09900	0.0	2.11430	0.50200	0.0	0.0	0.0	0.0
3.3450E 6	1.0951	2.10100	0.0	2.11630	0.50200	0.0	0.0	0.0	0.0
3.3640E 6	1.0895	2.10400	0.0	2.11940	0.50300	0.0	0.0	0.0	0.0
3.3840E 6	1.0835	2.10600	0.0	2.12140	0.50400	0.0	0.0	0.0	0.0
3.4040E 6	1.0776	2.10800	0.0	2.12350	0.50400	0.0	0.0	0.0	0.0
3.4260E 6	1.0712	2.11000	0.0	2.12540	0.50500	0.0	0.0	0.0	0.0
3.4470E 6	1.0651	2.11200	0.0	2.12750	0.50500	0.0	0.0	0.0	0.0
3.4690E 6	1.0587	2.11400	0.0	2.12950	0.50600	0.0	0.0	0.0	0.0
3.4900E 6	1.0527	2.11600	0.0	2.13160	0.50700	0.0	0.0	0.0	0.0
3.5130E 6	1.0461	2.11800	0.0	2.13360	0.50800	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.5350E 6	1.0399	3.81100	1.67540	2.95990	0.00900	0.0	0.00660	0.0	0.01560
3.5570E 6	1.0337	3.84500	1.70740	2.97593	0.00890	0.0	0.00670	0.0	0.01560
3.5790E 6	1.0275	3.87800	1.73830	2.99147	0.00890	0.0	0.00680	0.0	0.01570
3.6010E 6	1.0214	3.90800	1.76630	3.00542	0.00880	0.0	0.00690	0.0	0.01570
3.6230E 6	1.0153	4.05700	1.91420	3.07693	0.00880	0.0	0.00700	0.0	0.01580
3.6460E 6	1.0090	3.90900	1.76430	3.00215	0.00870	0.0	0.00700	0.0	0.01570
3.6690E 6	1.0027	3.69700	1.55120	2.89813	0.00870	0.0	0.00710	0.0	0.01580
3.6930E 6	0.9961	3.86400	1.71620	2.97844	0.00860	0.0	0.00720	0.0	0.01580
3.7170E 6	0.9897	3.84800	1.69920	2.96781	0.00850	0.0	0.00730	0.0	0.01580
3.7420E 6	0.9830	3.75100	1.60010	2.92055	0.00850	0.0	0.00740	0.0	0.01590
3.7660E 6	0.9766	3.88900	1.73720	2.98392	0.00840	0.0	0.00740	0.0	0.01580
3.7900E 6	0.9702	3.76500	1.61110	2.92401	0.00840	0.0	0.00750	0.0	0.01590
3.8150E 6	0.9636	3.84900	1.69410	2.96129	0.00830	0.0	0.00760	0.0	0.01590
3.8400E 6	0.9571	3.94800	1.79200	3.00541	0.00830	0.0	0.00770	0.0	0.01600
3.8650E 6	0.9506	3.76700	1.60900	2.91584	0.00820	0.0	0.00780	0.0	0.01600
3.8900E 6	0.9442	3.70700	1.54800	2.88501	0.00820	0.0	0.00780	0.0	0.01600
3.9170E 6	0.9373	3.83500	1.67400	2.94108	0.00810	0.0	0.00790	0.0	0.01600
3.9450E 6	0.9301	3.89000	1.72800	2.96379	0.00800	0.0	0.00800	0.0	0.01600
3.9720E 6	0.9233	3.69700	1.53390	2.87023	0.00800	0.0	0.00810	0.0	0.01610
3.9980E 6	0.9168	3.78400	1.61990	2.90763	0.00790	0.0	0.00820	0.0	0.01610

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.5350E 6	1.0399	2.12000	0.0	2.13560	0.50800	0.0	0.0	0.0	0.0
3.5570E 6	1.0337	2.12200	0.0	2.13760	0.50900	0.0	0.0	0.0	0.0
3.5790E 6	1.0275	2.12400	0.0	2.13970	0.51000	0.0	0.0	0.0	0.0
3.6010E 6	1.0214	2.12600	0.0	2.14170	0.51100	0.0	0.0	0.0	0.0
3.6230E 6	1.0153	2.12700	0.0	2.14280	0.51200	0.0	0.0	0.0	0.0
3.6460E 6	1.0090	2.12900	0.0	2.14470	0.51400	0.0	0.0	0.0	0.0
3.6690E 6	1.0027	2.13000	0.0	2.14580	0.51500	0.0	0.0	0.0	0.0
3.6930E 6	0.9961	2.13200	0.0	2.14780	0.51600	0.0	0.0	0.0	0.0
3.7170E 6	0.9897	2.13300	0.0	2.14880	0.51800	0.0	0.0	0.0	0.0
3.7420E 6	0.9830	2.13500	0.0	2.15090	0.51900	0.0	0.0	0.0	0.0
3.7660E 6	0.9766	2.13600	0.0	2.15180	0.52100	0.0	0.0	0.0	0.0
3.7900E 6	0.9702	2.13800	0.0	2.15390	0.52200	0.0	0.0	0.0	0.0
3.8150E 6	0.9636	2.13900	0.0	2.15490	0.52400	0.0	0.0	0.0	0.0
3.8400E 6	0.9571	2.14000	0.0	2.15600	0.52600	0.0	0.0	0.0	0.0
3.8650E 6	0.9506	2.14200	0.0	2.15800	0.52900	0.0	0.0	0.0	0.0
3.8900E 6	0.9442	2.14300	0.0	2.15900	0.53100	0.0	0.0	0.0	0.0
3.9170E 6	0.9373	2.14500	0.0	2.16100	0.53400	0.0	0.0	0.0	0.0
3.9450E 6	0.9301	2.14600	0.0	2.16200	0.53600	0.0	0.0	0.0	0.0
3.9720E 6	0.9233	2.14700	0.0	2.16310	0.53900	0.0	0.0	0.0	0.0
3.9980E 6	0.9168	2.14800	0.0	2.16410	0.54100	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.0250E 6	0.9101	3.77200	1.60790	2.89730	0.00780	0.0	0.00830	0.0	0.01610
4.0530E 6	0.9031	3.76500	1.59980	2.89151	0.00780	0.0	0.00840	0.0	0.01620
4.0800E 6	0.8965	3.72600	1.55980	2.86967	0.00770	0.0	0.00850	0.0	0.01620
4.1090E 6	0.8894	3.66300	1.49570	2.83737	0.00770	0.0	0.00860	0.0	0.01630
4.1370E 6	0.8826	3.72900	1.56170	2.86382	0.00760	0.0	0.00870	0.0	0.01630
4.1660E 6	0.8756	3.67900	1.51060	2.83760	0.00760	0.0	0.00880	0.0	0.01640
4.1960E 6	0.8685	3.67700	1.50860	2.83369	0.00750	0.0	0.00890	0.0	0.01640
4.2250E 6	0.8616	3.76700	1.59750	2.86921	0.00750	0.0	0.00900	0.0	0.01650
4.2530E 6	0.8550	3.77900	1.60950	2.86963	0.00740	0.0	0.00910	0.0	0.01650
4.2820E 6	0.8482	3.92300	1.75240	2.92939	0.00740	0.0	0.00920	0.0	0.01660
4.3120E 6	0.8412	3.83400	1.66330	2.88592	0.00740	0.0	0.00930	0.0	0.01670
4.3420E 6	0.8342	3.73100	1.55930	2.83908	0.00730	0.0	0.00940	0.0	0.01670
4.3720E 6	0.8274	3.87700	1.70520	2.89651	0.00730	0.0	0.00950	0.0	0.01680
4.4020E 6	0.8205	3.83000	1.65820	2.87156	0.00720	0.0	0.00960	0.0	0.01680
4.4330E 6	0.8135	3.81200	1.64010	2.86074	0.00720	0.0	0.00970	0.0	0.01690
4.4650E 6	0.8063	3.74600	1.57310	2.82888	0.00710	0.0	0.00980	0.0	0.01690
4.4980E 6	0.7990	3.67600	1.50300	2.79675	0.00710	0.0	0.00990	0.0	0.01700
4.5300E 6	0.7919	3.67400	1.50100	2.79141	0.00700	0.0	0.01000	0.0	0.01700
4.5620E 6	0.7848	3.76300	1.58990	2.82337	0.00700	0.0	0.01010	0.0	0.01710
4.5950E 6	0.7776	3.73400	1.56090	2.80683	0.00690	0.0	0.01020	0.0	0.01710

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.0250E 6	0.9101	2.14800	0.0	2.16410	0.54400	0.0	0.0	0.0	0.0
4.0530E 6	0.9031	2.14900	0.0	2.16520	0.54600	0.0	0.0	0.0	0.0
4.0800E 6	0.8965	2.15000	0.0	2.16620	0.54900	0.0	0.0	0.0	0.0
4.1090E 6	0.8894	2.15100	0.0	2.16730	0.55200	0.0	0.0	0.0	0.0
4.1370E 6	0.8826	2.15100	0.0	2.16730	0.55400	0.0	0.0	0.0	0.0
4.1660E 6	0.8756	2.15200	0.0	2.16840	0.55700	0.0	0.0	0.0	0.0
4.1960E 6	0.8685	2.15200	0.0	2.16840	0.55900	0.0	0.0	0.0	0.0
4.2250E 6	0.8616	2.15300	0.0	2.16950	0.56200	0.0	0.0	0.0	0.0
4.2530E 6	0.8550	2.15300	0.0	2.16950	0.56500	0.0	0.0	0.0	0.0
4.2820E 6	0.8482	2.15400	0.0	2.17060	0.56700	0.0	0.0	0.0	0.0
4.3120E 6	0.8412	2.15400	0.0	2.17070	0.57000	0.0	0.0	0.0	0.0
4.3420E 6	0.8342	2.15500	0.0	2.17170	0.57200	0.0	0.0	0.0	0.0
4.3720E 6	0.8274	2.15500	0.0	2.17180	0.57500	0.0	0.0	0.0	0.0
4.4020E 6	0.8205	2.15500	0.0	2.17180	0.57800	0.0	0.0	0.0	0.0
4.4330E 6	0.8135	2.15500	0.0	2.17190	0.58000	0.0	0.0	0.0	0.0
4.4650E 6	0.8063	2.15600	0.0	2.17290	0.58300	0.0	0.0	0.0	0.0
4.4980E 6	0.7990	2.15600	0.0	2.17300	0.58500	0.0	0.0	0.0	0.0
4.5300E 6	0.7919	2.15600	0.0	2.17300	0.58800	0.0	0.0	0.0	0.0
4.5620E 6	0.7848	2.15600	0.0	2.17310	0.59100	0.0	0.0	0.0	0.0
4.5950E 6	0.7776	2.15600	0.0	2.17310	0.59400	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.6270E 6	0.7707	3.73400	1.56070	2.80382	0.00690	0.0	0.01040	0.0	0.01730
4.6600E 6	0.7636	3.72600	1.55270	2.79593	0.00680	0.0	0.01050	0.0	0.01730
4.6950E 6	0.7561	3.78900	1.61560	2.81641	0.00680	0.0	0.01060	0.0	0.01740
4.7290E 6	0.7489	3.75300	1.58060	2.79674	0.00670	0.0	0.01070	0.0	0.01740
4.7630E 6	0.7417	3.81700	1.64450	2.81879	0.00670	0.0	0.01080	0.0	0.01750
4.7980E 6	0.7344	3.69300	1.52040	2.76556	0.00660	0.0	0.01100	0.0	0.01760
4.8330E 6	0.7271	3.75500	1.58330	2.78602	0.00660	0.0	0.01110	0.0	0.01770
4.8680E 6	0.7199	3.77700	1.60520	2.78980	0.00660	0.0	0.01120	0.0	0.01780
4.9060E 6	0.7121	3.82900	1.65820	2.80423	0.00650	0.0	0.01130	0.0	0.01780
4.9440E 6	0.7044	3.70600	1.53500	2.75430	0.00650	0.0	0.01150	0.0	0.01800
4.9810E 6	0.6970	3.69700	1.52690	2.74574	0.00650	0.0	0.01160	0.0	0.01810
5.0180E 6	0.6896	3.60600	1.43580	2.70863	0.00640	0.0	0.01180	0.0	0.01820
5.0560E 6	0.6820	3.76000	1.59070	2.76104	0.00640	0.0	0.01190	0.0	0.01830
5.0930E 6	0.6747	3.79700	1.62870	2.76929	0.00630	0.0	0.01200	0.0	0.01830
5.1340E 6	0.6667	3.74100	1.57350	2.74497	0.00630	0.0	0.01220	0.0	0.01850
5.1740E 6	0.6589	3.86900	1.70250	2.78621	0.00620	0.0	0.01230	0.0	0.01850
5.2120E 6	0.6516	3.76200	1.59640	2.74350	0.00620	0.0	0.01240	0.0	0.01860
5.2520E 6	0.6440	3.82800	1.66340	2.76176	0.00610	0.0	0.01250	0.0	0.01860
5.2940E 6	0.6360	3.89800	1.73530	2.78047	0.00610	0.0	0.01260	0.0	0.01870
5.3350E 6	0.6283	3.72700	1.56520	2.71588	0.00600	0.0	0.01280	0.0	0.01880

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.6270E 6	0.7707	2.15600	0.0	2.17330	0.59600	0.0	0.0	0.0	0.0
4.6600E 6	0.7636	2.15600	0.0	2.17330	0.59900	0.0	0.0	0.0	0.0
4.6950E 6	0.7561	2.15600	0.0	2.17340	0.60200	0.0	0.0	0.0	0.0
4.7290E 6	0.7489	2.15500	0.0	2.17240	0.60500	0.0	0.0	0.0	0.0
4.7630E 6	0.7417	2.15500	0.0	2.17250	0.60700	0.0	0.0	0.0	0.0
4.7980E 6	0.7344	2.15500	0.0	2.17260	0.61000	0.0	0.0	0.0	0.0
4.8330E 6	0.7271	2.15400	0.0	2.17170	0.61200	0.0	0.0	0.0	0.0
4.8680E 6	0.7199	2.15400	0.0	2.17180	0.61500	0.0	0.0	0.0	0.0
4.9060E 6	0.7121	2.15300	0.0	2.17080	0.61800	0.0	0.0	0.0	0.0
4.9440E 6	0.7044	2.15300	0.0	2.17100	0.62000	0.0	0.0	0.0	0.0
4.9810E 6	0.6970	2.15200	0.0	2.17010	0.62300	0.0	0.0	0.0	0.0
5.0180E 6	0.6896	2.15200	0.0	2.17020	0.62500	0.0	0.0	0.0	0.0
5.0560E 6	0.6820	2.15100	0.0	2.16930	0.62800	0.0	0.0	0.0	0.0
5.0930E 6	0.6747	2.15000	0.0	2.16830	0.63100	0.0	0.0	0.0	0.0
5.1340E 6	0.6667	2.14900	0.0	2.16750	0.63300	0.0	0.0	0.0	0.0
5.1740E 6	0.6589	2.14800	0.0	2.16650	0.63600	0.0	0.0	0.0	0.0
5.2120E 6	0.6516	2.14700	0.0	2.16560	0.63800	0.0	0.0	0.0	0.0
5.2520E 6	0.6440	2.14600	0.0	2.16460	0.64100	0.0	0.0	0.0	0.0
5.2940E 6	0.6360	2.14400	0.0	2.16270	0.64400	0.0	0.0	0.0	0.0
5.3350E 6	0.6283	2.14300	0.0	2.16180	0.64600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.3750E 6	0.6208	3.81900	1.65910	2.74224	0.00600	0.0	0.01290	0.0	0.01890
5.4160E 6	0.6132	3.80400	1.64500	2.73311	0.00590	0.0	0.01310	0.0	0.01900
5.4580E 6	0.6055	3.71600	1.55890	2.69648	0.00590	0.0	0.01320	0.0	0.01910
5.5020E 6	0.5975	3.77400	1.61870	2.71051	0.00590	0.0	0.01340	0.0	0.01930
5.5460E 6	0.5895	3.82900	1.67570	2.72304	0.00580	0.0	0.01350	0.0	0.01930
5.5910E 6	0.5814	3.86300	1.71150	2.72999	0.00580	0.0	0.01370	0.0	0.01950
5.6360E 6	0.5734	3.82900	1.67950	2.71213	0.00570	0.0	0.01380	0.0	0.01950
5.6800E 6	0.5656	3.87200	1.72430	2.72017	0.00570	0.0	0.01400	0.0	0.01970
5.7240E 6	0.5579	3.87100	1.72520	2.71339	0.00560	0.0	0.01420	0.0	0.01980
5.7690E 6	0.5501	3.83200	1.68810	2.69422	0.00560	0.0	0.01430	0.0	0.01990
5.8160E 6	0.5420	3.85000	1.70900	2.69472	0.00550	0.0	0.01450	0.0	0.02000
5.8620E 6	0.5341	3.96200	1.82290	2.72425	0.00550	0.0	0.01460	0.0	0.02010
5.9080E 6	0.5263	3.84000	1.70280	2.67869	0.00540	0.0	0.01480	0.0	0.02020
5.9550E 6	0.5184	3.96600	1.83160	2.71135	0.00540	0.0	0.01500	0.0	0.02040
6.0020E 6	0.5105	3.84400	1.71260	2.66573	0.00530	0.0	0.01510	0.0	0.02040
6.0510E 6	0.5024	3.88400	1.75440	2.67346	0.00530	0.0	0.01530	0.0	0.02060
6.1020E 6	0.4940	3.91700	1.79040	2.67625	0.00520	0.0	0.01540	0.0	0.02060
6.1520E 6	0.4858	3.98900	1.86520	2.69082	0.00520	0.0	0.01560	0.0	0.02080
6.2010E 6	0.4779	3.99100	1.87010	2.68380	0.00510	0.0	0.01580	0.0	0.02090
6.2520E 6	0.4697	4.03300	1.91490	2.68874	0.00510	0.0	0.01600	0.0	0.02110

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.3750E 6	0.6208	2.14100	0.0	2.15990	0.64900	0.0	0.0	0.0	0.0
5.4160E 6	0.6132	2.14000	0.0	2.15900	0.65100	0.0	0.0	0.0	0.0
5.4580E 6	0.6055	2.13800	0.0	2.15710	0.65400	0.0	0.0	0.0	0.0
5.5020E 6	0.5975	2.13600	0.0	2.15530	0.65700	0.0	0.0	0.0	0.0
5.5460E 6	0.5895	2.13400	0.0	2.15330	0.66000	0.0	0.0	0.0	0.0
5.5910E 6	0.5814	2.13200	0.0	2.15150	0.66200	0.0	0.0	0.0	0.0
5.6360E 6	0.5734	2.13000	0.0	2.14950	0.66500	0.0	0.0	0.0	0.0
5.6800E 6	0.5656	2.12800	0.0	2.14770	0.66800	0.0	0.0	0.0	0.0
5.7240E 6	0.5579	2.12600	0.0	2.14580	0.67100	0.0	0.0	0.0	0.0
5.7690E 6	0.5501	2.12400	0.0	2.14390	0.67400	0.0	0.0	0.0	0.0
5.8160E 6	0.5420	2.12100	0.0	2.14100	0.67600	0.0	0.0	0.0	0.0
5.8620E 6	0.5341	2.11900	0.0	2.13910	0.67900	0.0	0.0	0.0	0.0
5.9080E 6	0.5263	2.11700	0.0	2.13720	0.68200	0.0	0.0	0.0	0.0
5.9550E 6	0.5184	2.11400	0.0	2.13440	0.68500	0.0	0.0	0.0	0.0
6.0020E 6	0.5105	2.11100	0.0	2.13140	0.68800	0.0	0.0	0.0	0.0
6.0510E 6	0.5024	2.10900	0.0	2.12960	0.69000	0.0	0.0	0.0	0.0
6.1020E 6	0.4940	2.10600	0.0	2.12660	0.69300	0.0	0.0	0.0	0.0
6.1520E 6	0.4858	2.10300	0.0	2.12380	0.69600	0.0	0.0	0.0	0.0
6.2010E 6	0.4779	2.10000	0.0	2.12090	0.69900	0.0	0.0	0.0	0.0
6.2520E 6	0.4697	2.09700	0.0	2.11810	0.70200	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.3050E 6	0.4612	4.04900	1.93490	2.68683	0.00500	0.0	0.01610	0.0	0.02110
6.3570E 6	0.4530	3.90400	1.79270	2.63656	0.00500	0.0	0.01630	0.0	0.02130
6.4110E 6	0.4446	3.92800	1.81950	2.63616	0.00500	0.0	0.01650	0.0	0.02150
6.4660E 6	0.4360	3.88600	1.78140	2.61586	0.00490	0.0	0.01670	0.0	0.02160
6.5230E 6	0.4273	4.07500	1.97420	2.66147	0.00490	0.0	0.01690	0.0	0.02180
6.5780E 6	0.4189	4.08900	1.99110	2.65740	0.00480	0.0	0.01710	0.0	0.02190
6.6330E 6	0.4105	4.04000	1.94590	2.63506	0.00480	0.0	0.01730	0.0	0.02210
6.6920E 6	0.4017	3.97400	1.88370	2.60832	0.00480	0.0	0.01750	0.0	0.02230
6.7510E 6	0.3929	4.12300	2.03660	2.64036	0.00470	0.0	0.01770	0.0	0.02240
6.8080E 6	0.3845	4.02200	1.93940	2.60430	0.00470	0.0	0.01790	0.0	0.02260
6.8670E 6	0.3759	3.92100	1.84330	2.56802	0.00460	0.0	0.01810	0.0	0.02270
6.9290E 6	0.3669	4.12500	2.05110	2.61334	0.00460	0.0	0.01830	0.0	0.02290
6.9910E 6	0.3580	4.38800	2.31790	2.67275	0.00460	0.0	0.01850	0.0	0.02310
7.0540E 6	0.3490	4.11800	2.05280	2.59277	0.00450	0.0	0.01870	0.0	0.02320
7.1180E 6	0.3400	4.08300	2.02260	2.57414	0.00450	0.0	0.01890	0.0	0.02340
7.1800E 6	0.3313	4.19900	2.14340	2.59359	0.00440	0.0	0.01920	0.0	0.02360
7.2430E 6	0.3225	4.11900	2.06820	2.56371	0.00440	0.0	0.01940	0.0	0.02380
7.3100E 6	0.3133	4.20400	2.15800	2.57471	0.00440	0.0	0.01960	0.0	0.02400
7.3770E 6	0.3042	4.12900	2.08790	2.54637	0.00430	0.0	0.01980	0.0	0.02410
7.4440E 6	0.2952	4.18900	2.15260	2.55087	0.00430	0.0	0.02010	0.0	0.02440

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.3050E 6	0.4612	2.09300	0.0	2.11410	0.70400	0.0	0.0	0.0	0.0
6.3570E 6	0.4530	2.09000	0.0	2.11130	0.70700	0.0	0.0	0.0	0.0
6.4110E 6	0.4446	2.08700	0.0	2.10850	0.71000	0.0	0.0	0.0	0.0
6.4660E 6	0.4360	2.08300	0.0	2.10460	0.71300	0.0	0.0	0.0	0.0
6.5230E 6	0.4273	2.07900	0.0	2.10080	0.71600	0.0	0.0	0.0	0.0
6.5780E 6	0.4189	2.07600	0.0	2.09790	0.71900	0.0	0.0	0.0	0.0
6.6330E 6	0.4105	2.07200	0.0	2.09410	0.72200	0.0	0.0	0.0	0.0
6.6920E 6	0.4017	2.06800	0.0	2.09030	0.72500	0.0	0.0	0.0	0.0
6.7510E 6	0.3929	2.06400	0.0	2.08640	0.72800	0.0	0.0	0.0	0.0
6.8080E 6	0.3845	2.06000	0.0	2.08260	0.73100	0.0	0.0	0.0	0.0
6.8670E 6	0.3759	2.05500	0.0	2.07770	0.73400	0.0	0.0	0.0	0.0
6.9290E 6	0.3669	2.05100	0.0	2.07390	0.73700	0.0	0.0	0.0	0.0
6.9910E 6	0.3580	2.04700	0.0	2.07010	0.74000	0.0	0.0	0.0	0.0
7.0540E 6	0.3490	2.04200	0.0	2.06520	0.74300	0.0	0.0	0.0	0.0
7.1180E 6	0.3400	2.03700	0.0	2.06040	0.74600	0.0	0.0	0.0	0.0
7.1800E 6	0.3313	2.03200	0.0	2.05560	0.74900	0.0	0.0	0.0	0.0
7.2430E 6	0.3225	2.02700	0.0	2.05080	0.75200	0.0	0.0	0.0	0.0
7.3100E 6	0.3133	2.02200	0.0	2.04600	0.75500	0.0	0.0	0.0	0.0
7.3770E 6	0.3042	2.01700	0.0	2.04110	0.75800	0.0	0.0	0.0	0.0
7.4440E 6	0.2952	2.01200	0.0	2.03640	0.76100	0.0	0.0	0.0	0.0

MATERIAL MO MO -CS- 86

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.5110E 6	0.2862	4.20800	2.17650	2.54298	0.00420	0.0	0.02030	0.0	0.02450
7.5770E 6	0.2775	4.17500	2.14820	2.52518	0.00420	0.0	0.02060	0.0	0.02480
7.6430E 6	0.2688	4.08000	2.05800	2.49328	0.00420	0.0	0.02080	0.0	0.02500
7.7090E 6	0.2602	4.06900	2.05190	2.48083	0.00410	0.0	0.02100	0.0	0.02510
7.7780E 6	0.2513	4.17700	2.16560	2.49433	0.00410	0.0	0.02130	0.0	0.02540
7.8520E 6	0.2418	4.24600	2.23940	2.49703	0.00410	0.0	0.02150	0.0	0.02560
7.9270E 6	0.2323	4.20200	2.20120	2.47626	0.00400	0.0	0.02180	0.0	0.02580
8.0060E 6	0.2224	4.21900	2.22300	2.46950	0.00400	0.0	0.02200	0.0	0.02600
8.0840E 6	0.2127	4.17500	2.18480	2.44901	0.00400	0.0	0.02220	0.0	0.02620
8.1600E 6	0.2033	4.08000	2.09560	2.41819	0.00390	0.0	0.02250	0.0	0.02640
8.2390E 6	0.1937	4.15500	2.17640	2.42476	0.00390	0.0	0.02270	0.0	0.02660
8.3200E 6	0.1839	4.25400	2.28120	2.43360	0.00380	0.0	0.02300	0.0	0.02680
8.3990E 6	0.1745	4.18300	2.21600	2.40798	0.00380	0.0	0.02320	0.0	0.02700
8.4820E 6	0.1646	4.27900	2.31770	2.41557	0.00380	0.0	0.02350	0.0	0.02730
8.5680E 6	0.1546	4.17700	2.22050	2.38506	0.00370	0.0	0.02380	0.0	0.02750
8.6540E 6	0.1446	4.15400	2.20330	2.37153	0.00370	0.0	0.02400	0.0	0.02770
8.7380E 6	0.1349	4.44200	2.49600	2.41525	0.00370	0.0	0.02430	0.0	0.02800
8.8220E 6	0.1253	4.24400	2.30380	2.36640	0.00360	0.0	0.02460	0.0	0.02820
8.9090E 6	0.1155	4.33900	2.40450	2.37212	0.00360	0.0	0.02490	0.0	0.02850
8.9970E 6	0.1057	4.30700	2.37720	2.35770	0.00360	0.0	0.02520	0.0	0.02880

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.5110E 6	0.2862	2.00700	0.0	2.03150	0.76500	0.0	0.0	0.0	0.0
7.5770E 6	0.2775	2.00200	0.0	2.02680	0.76800	0.0	0.0	0.0	0.0
7.6430E 6	0.2688	1.99700	0.0	2.02200	0.77100	0.0	0.0	0.0	0.0
7.7090E 6	0.2602	1.99200	0.0	2.01710	0.77400	0.0	0.0	0.0	0.0
7.7780E 6	0.2513	1.98600	0.0	2.01140	0.77700	0.0	0.0	0.0	0.0
7.8520E 6	0.2418	1.98100	0.0	2.00660	0.78100	0.0	0.0	0.0	0.0
7.9270E 6	0.2323	1.97500	0.0	2.00080	0.78400	0.0	0.0	0.0	0.0
8.0060E 6	0.2224	1.97000	0.0	1.99600	0.78700	0.0	0.0	0.0	0.0
8.0840E 6	0.2127	1.96400	0.0	1.99020	0.79000	0.0	0.0	0.0	0.0
8.1600E 6	0.2033	1.95800	0.0	1.98440	0.79300	0.0	0.0	0.0	0.0
8.2390E 6	0.1937	1.95200	0.0	1.97860	0.79500	0.0	0.0	0.0	0.0
8.3200E 6	0.1839	1.94600	0.0	1.97280	0.79800	0.0	0.0	0.0	0.0
8.3990E 6	0.1745	1.94000	0.0	1.96700	0.80100	0.0	0.0	0.0	0.0
8.4820E 6	0.1646	1.93400	0.0	1.96130	0.80400	0.0	0.0	0.0	0.0
8.5680E 6	0.1546	1.92900	0.0	1.95650	0.80700	0.0	0.0	0.0	0.0
8.6540E 6	0.1446	1.92300	0.0	1.95070	0.80900	0.0	0.0	0.0	0.0
8.7380E 6	0.1349	1.91800	0.0	1.94600	0.81200	0.0	0.0	0.0	0.0
8.8220E 6	0.1253	1.91200	0.0	1.94020	0.81500	0.0	0.0	0.0	0.0
8.9090E 6	0.1155	1.90600	0.0	1.93450	0.81800	0.0	0.0	0.0	0.0
8.9970E 6	0.1057	1.90100	0.0	1.92980	0.82000	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.0860E 6	0.0959	4.27100	2.34710	2.33934	0.00350	0.0	0.02540	0.0	0.02890
9.1750E 6	0.0861	4.33700	2.41780	2.34232	0.00350	0.0	0.02570	0.0	0.02920
9.2630E 6	0.0766	4.24000	2.32650	2.31366	0.00350	0.0	0.02600	0.0	0.02950
9.3550E 6	0.0667	4.29800	2.39030	2.31405	0.00340	0.0	0.02630	0.0	0.02970
9.4540E 6	0.0561	4.20000	2.29700	2.28660	0.00340	0.0	0.02660	0.0	0.03000
9.5510E 6	0.0459	4.23900	2.34160	2.28376	0.00340	0.0	0.02700	0.0	0.03040
9.6480E 6	0.0358	4.33100	2.43830	2.28770	0.00340	0.0	0.02730	0.0	0.03070
9.7480E 6	0.0255	4.22100	2.33410	2.26036	0.00330	0.0	0.02760	0.0	0.03090
9.8520E 6	0.0149	4.21400	2.33180	2.25062	0.00330	0.0	0.02790	0.0	0.03120
9.9580E 6	0.0042	4.30600	2.42750	2.25476	0.00330	0.0	0.02820	0.0	0.03150
10.0000E 6	0.0000	4.36000	2.48540	2.25735	0.00320	0.0	0.02840	0.0	0.03160

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.0860E 6	0.0959	1.89500	0.0	1.92390	0.82300	0.0	0.0	0.0	0.0
9.1750E 6	0.0861	1.89000	0.0	1.91920	0.82500	0.0	0.0	0.0	0.0
9.2630E 6	0.0766	1.88400	0.0	1.91350	0.82800	0.0	0.0	0.0	0.0
9.3550E 6	0.0667	1.87800	0.0	1.90770	0.83000	0.0	0.0	0.0	0.0
9.4540E 6	0.0561	1.87300	0.0	1.90300	0.83300	0.0	0.0	0.0	0.0
9.5510E 6	0.0459	1.86700	0.0	1.89740	0.83500	0.0	0.0	0.0	0.0
9.6480E 6	0.0358	1.86200	0.0	1.89270	0.83800	0.0	0.0	0.0	0.0
9.7480E 6	0.0255	1.85600	0.0	1.88690	0.84000	0.0	0.0	0.0	0.0
9.8520E 6	0.0149	1.85100	0.0	1.88220	0.84200	0.0	0.0	0.0	0.0
9.9580E 6	0.0042	1.84700	0.0	1.87850	0.84500	0.0	0.0	0.0	0.0
10.0000E 6	0.0000	1.84300	0.0	1.87460	0.84600	0.0	0.0	0.0	0.0

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	3762.37000	16.77000	3762.32200	545.60000	3200.00000	0.0	0.0	3745.60000
1.5000E-3	22.6204	3048.61400	16.76000	3048.56600	441.85400	2590.00000	0.0	0.0	3031.85400
2.0000E-3	22.3327	2621.34500	16.76000	2621.29700	379.58500	2225.00000	0.0	0.0	2604.58500
2.5000E-3	22.1096	2323.03900	16.76000	2322.99100	336.27900	1970.00000	0.0	0.0	2306.27900
3.0000E-3	21.9272	2106.62800	16.75000	2106.58000	304.87800	1785.00000	0.0	0.0	2089.87800
4.0000E-3	21.6396	1814.07200	16.74000	1814.02400	262.33200	1535.00000	0.0	0.0	1797.33200
5.0000E-3	21.4164	1609.43600	16.74000	1609.38800	232.69600	1360.00000	0.0	0.0	1592.69600
6.0000E-3	21.2341	1463.16200	16.73000	1463.11400	211.43200	1235.00000	0.0	0.0	1446.43200
7.0000E-3	21.0799	1363.71500	16.72000	1363.66800	196.99500	1150.00000	0.0	0.0	1346.99500
8.0000E-3	20.9464	1182.35300	16.71000	1182.30500	170.64300	995.00000	0.0	0.0	1165.64300
9.0000E-3	20.8286	1182.45200	16.71000	1182.40500	170.74200	995.00000	0.0	0.0	1165.74200
10.0000E-3	20.7233	1132.05400	16.70000	1132.00700	163.52400	951.83000	0.0	0.0	1115.35400
15.0000E-3	20.3178	919.24900	16.67000	919.20100	132.78900	769.79000	0.0	0.0	902.57900
20.0000E-3	20.0301	792.09000	16.63000	792.04000	114.48000	660.98000	0.0	0.0	775.46000
25.3000E-3	19.7950	699.87000	16.60000	699.82000	101.27000	582.00000	0.0	0.0	683.27000
30.0000E-3	19.6247	638.96000	16.57000	638.91000	92.56000	529.83000	0.0	0.0	622.39000
35.0000E-3	19.4705	587.48000	16.54000	587.43000	85.24000	485.70000	0.0	0.0	570.94000
40.0000E-3	19.3370	546.26000	16.51000	546.21000	79.44000	450.31000	0.0	0.0	529.75000
45.0000E-3	19.2192	511.81000	16.48000	511.76000	74.56000	420.77000	0.0	0.0	495.33000
50.0000E-3	19.1138	482.49000	16.45000	482.44000	70.45000	395.59000	0.0	0.0	466.04000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	3745.60000	0.00284	2.43000	0.17050	2.07604	0.00002
1.5000E-3	22.6204	0.0	0.0	3031.85400	0.00284	2.43000	0.17060	2.07586	0.00003
2.0000E-3	22.3327	0.0	0.0	2604.58500	0.00284	2.43000	0.17060	2.07586	0.00003
2.5000E-3	22.1096	0.0	0.0	2306.27900	0.00284	2.43000	0.17070	2.07568	0.00003
3.0000E-3	21.9272	0.0	0.0	2089.87800	0.00284	2.43000	0.17080	2.07550	0.00004
4.0000E-3	21.6396	0.0	0.0	1797.33200	0.00284	2.43000	0.17090	2.07533	0.00004
5.0000E-3	21.4164	0.0	0.0	1592.69600	0.00284	2.43000	0.17110	2.07497	0.00005
6.0000E-3	21.2341	0.0	0.0	1446.43200	0.00284	2.43000	0.17120	2.07480	0.00005
7.0000E-3	21.0799	0.0	0.0	1346.99500	0.00284	2.43000	0.17130	2.07462	0.00006
8.0000E-3	20.9464	0.0	0.0	1165.64300	0.00284	2.43000	0.17150	2.07426	0.00006
9.0000E-3	20.8286	0.0	0.0	1165.74200	0.00284	2.43000	0.17160	2.07409	0.00007
10.0000E-3	20.7233	0.0	0.0	1115.35400	0.00284	2.43000	0.17180	2.07373	0.00007
15.0000E-3	20.3178	0.0	0.0	902.57900	0.00284	2.43000	0.17250	2.07249	0.00008
20.0000E-3	20.0301	0.0	0.0	775.46000	0.00284	2.43000	0.17320	2.07100	0.00010
25.3000E-3	19.7950	0.0	0.0	683.27000	0.00284	2.43000	0.17400	2.07000	0.00011
30.0000E-3	19.6247	0.0	0.0	622.39000	0.00284	2.43000	0.17470	2.06900	0.00012
35.0000E-3	19.4705	0.0	0.0	570.94000	0.00284	2.43000	0.17550	2.06700	0.00013
40.0000E-3	19.3370	0.0	0.0	529.75000	0.00284	2.43000	0.17640	2.06600	0.00014
45.0000E-3	19.2192	0.0	0.0	495.33000	0.00284	2.43000	0.17720	2.06400	0.00015
50.0000E-3	19.1138	0.0	0.0	466.04000	0.00284	2.43000	0.17810	2.06300	0.00015

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
55.0000E-3	19.0185	456.56000	16.42000	456.51000	66.82000	373.32000	0.0	0.0	440.14000
60.0000E-3	18.9315	433.80000	16.39000	433.75000	63.67000	353.74000	0.0	0.0	417.41000
65.0000E-3	18.8515	413.98000	16.36000	413.93000	60.91000	336.71000	0.0	0.0	397.62000
70.0000E-3	18.7774	396.23000	16.33000	396.18000	58.47000	321.43000	0.0	0.0	379.90000
75.0000E-3	18.7084	379.72000	16.30000	379.67000	56.19000	307.23000	0.0	0.0	363.42000
80.0000E-3	18.6438	365.08000	16.27000	365.03000	54.18000	294.63000	0.0	0.0	348.81000
85.0000E-3	18.5832	351.27000	16.25000	351.22000	52.28000	282.74000	0.0	0.0	335.02000
90.0000E-3	18.5260	338.92000	16.22000	338.87000	50.61000	272.09000	0.0	0.0	322.70000
95.0000E-3	18.4720	327.51000	16.19000	327.46000	49.09000	262.23000	0.0	0.0	311.32000
100.0000E-3	18.4207	316.94000	16.16000	316.89000	47.73000	253.05000	0.0	0.0	300.78000
110.0000E-3	18.3254	298.36000	16.11000	298.31000	45.36000	236.89000	0.0	0.0	282.25000
120.0000E-3	18.2384	282.49000	16.06000	282.45000	43.40000	223.03000	0.0	0.0	266.43000
130.0000E-3	18.1583	268.86000	16.01000	268.82000	41.77000	211.08000	0.0	0.0	252.85000
140.0000E-3	18.0842	256.92000	15.96000	256.88000	40.38000	200.58000	0.0	0.0	240.96000
150.0000E-3	18.0152	247.06000	15.91000	247.02000	39.31000	191.84000	0.0	0.0	231.15000
160.0000E-3	17.9507	239.21000	15.86000	239.17000	38.61000	184.74000	0.0	0.0	223.35000
170.0000E-3	17.8901	232.53000	15.81000	232.49000	38.10000	178.62000	0.0	0.0	216.72000
180.0000E-3	17.8329	227.20000	15.77000	227.16000	37.84000	173.59000	0.0	0.0	211.43000
190.0000E-3	17.7788	224.06000	15.73000	224.02000	37.99000	170.34000	0.0	0.0	208.33000
200.0000E-3	17.7275	222.46000	15.69000	222.42000	38.39000	168.38000	0.0	0.0	206.77000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
55.0000E-3	19.0185	0.0	0.0	440.14000	0.00284	2.43000	0.17900	2.06100	0.00016
60.0000E-3	18.9315	0.0	0.0	417.41000	0.00284	2.43000	0.18000	2.05900	0.00017
65.0000E-3	18.8515	0.0	0.0	397.62000	0.00284	2.43000	0.18090	2.05800	0.00017
70.0000E-3	18.7774	0.0	0.0	379.90000	0.00284	2.43000	0.18190	2.05600	0.00018
75.0000E-3	18.7084	0.0	0.0	363.42000	0.00284	2.43000	0.18290	2.05400	0.00019
80.0000E-3	18.6438	0.0	0.0	348.81000	0.00284	2.43000	0.18390	2.05300	0.00019
85.0000E-3	18.5832	0.0	0.0	335.02000	0.00284	2.43000	0.18490	2.05100	0.00020
90.0000E-3	18.5260	0.0	0.0	322.70000	0.00284	2.43000	0.18600	2.04900	0.00021
95.0000E-3	18.4720	0.0	0.0	311.32000	0.00284	2.43000	0.18720	2.04700	0.00021
100.0000E-3	18.4207	0.0	0.0	300.78000	0.00284	2.43000	0.18860	2.04400	0.00022
110.0000E-3	18.3254	0.0	0.0	282.25000	0.00284	2.43000	0.19150	2.03900	0.00022
120.0000E-3	18.2384	0.0	0.0	266.43000	0.00284	2.43000	0.19460	2.03400	0.00024
130.0000E-3	18.1583	0.0	0.0	252.85000	0.00284	2.43000	0.19790	2.02900	0.00025
140.0000E-3	18.0842	0.0	0.0	240.96000	0.00284	2.43000	0.20130	2.02300	0.00026
150.0000E-3	18.0152	0.0	0.0	231.15000	0.00284	2.43000	0.20490	2.01700	0.00027
160.0000E-3	17.9507	0.0	0.0	223.35000	0.00284	2.43000	0.20900	2.01000	0.00027
170.0000E-3	17.8901	0.0	0.0	216.72000	0.00284	2.43000	0.21330	2.00300	0.00028
180.0000E-3	17.8329	0.0	0.0	211.43000	0.00284	2.43000	0.21800	1.99500	0.00029
190.0000E-3	17.7788	0.0	0.0	208.33000	0.00284	2.43000	0.22300	1.98700	0.00030
200.0000E-3	17.7275	0.0	0.0	206.77000	0.00284	2.43000	0.22800	1.97900	0.00031

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
210.0000E-3	17.6787	222.69000	15.65000	222.65000	39.10000	167.94000	0.0	0.0	207.04000
220.0000E-3	17.6322	225.21000	15.61000	225.17000	40.06000	169.54000	0.0	0.0	209.60000
230.0000E-3	17.5878	232.20000	15.57000	232.16000	41.82000	174.81000	0.0	0.0	216.63000
240.0000E-3	17.5452	242.76000	15.53000	242.72000	44.01000	183.22000	0.0	0.0	227.23000
250.0000E-3	17.5044	255.35000	15.50000	255.31000	46.27000	193.58000	0.0	0.0	239.85000
260.0000E-3	17.4652	264.41000	15.49000	264.37000	47.28000	201.64000	0.0	0.0	248.92000
270.0000E-3	17.4274	266.29000	15.48000	266.25000	46.57000	204.24000	0.0	0.0	250.81000
280.0000E-3	17.3911	260.65000	15.49000	260.61000	44.21000	200.95000	0.0	0.0	245.16000
290.0000E-3	17.3560	253.85000	15.52000	253.81000	41.44000	196.89000	0.0	0.0	238.33000
300.0000E-3	17.3221	244.24000	15.56000	244.20000	38.03000	190.65000	0.0	0.0	228.68000
310.0000E-3	17.2893	231.58000	15.57000	231.54000	34.60000	181.41000	0.0	0.0	216.01000
320.0000E-3	17.2575	220.74000	15.56000	220.70000	31.77000	173.41000	0.0	0.0	205.18000
330.0000E-3	17.2268	210.47000	15.54000	210.43000	29.41000	165.52000	0.0	0.0	194.93000
340.0000E-3	17.1969	200.83000	15.52000	200.79000	27.41000	157.90000	0.0	0.0	185.31000
350.0000E-3	17.1679	191.54000	15.50000	191.50000	25.50000	150.54000	0.0	0.0	176.04000
360.0000E-3	17.1397	182.62000	15.46000	182.58000	23.75000	143.41000	0.0	0.0	167.16000
370.0000E-3	17.1123	174.30000	15.42000	174.26000	22.21000	136.67000	0.0	0.0	158.88000
380.0000E-3	17.0857	166.35000	15.39000	166.31000	20.82000	130.14000	0.0	0.0	150.96000
390.0000E-3	17.0597	158.88000	15.36000	158.84000	19.56000	123.96000	0.0	0.0	143.52000
400.0000E-3	17.0344	151.87000	15.33000	151.83000	18.43000	118.11000	0.0	0.0	136.54000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
210.0000E-3	17.6787	0.0	0.0	207.04000	0.00284	2.43000	0.23280	1.97100	0.00031
220.0000E-3	17.6322	0.0	0.0	209.60000	0.00284	2.43000	0.23630	1.96600	0.00032
230.0000E-3	17.5878	0.0	0.0	216.63000	0.00284	2.43000	0.23920	1.96100	0.00033
240.0000E-3	17.5452	0.0	0.0	227.23000	0.00284	2.43000	0.24020	1.95900	0.00034
250.0000E-3	17.5044	0.0	0.0	239.85000	0.00284	2.43000	0.23900	1.96100	0.00034
260.0000E-3	17.4652	0.0	0.0	248.92000	0.00284	2.43000	0.23450	1.96800	0.00035
270.0000E-3	17.4274	0.0	0.0	250.81000	0.00284	2.43000	0.22800	1.97900	0.00036
280.0000E-3	17.3911	0.0	0.0	245.16000	0.00284	2.43000	0.22000	1.99200	0.00036
290.0000E-3	17.3560	0.0	0.0	238.33000	0.00284	2.43000	0.21050	2.00700	0.00037
300.0000E-3	17.3221	0.0	0.0	228.68000	0.00284	2.43000	0.19950	2.02600	0.00038
310.0000E-3	17.2893	0.0	0.0	216.01000	0.00284	2.43000	0.19070	2.04100	0.00038
320.0000E-3	17.2575	0.0	0.0	205.18000	0.00284	2.43000	0.18320	2.05400	0.00039
330.0000E-3	17.2268	0.0	0.0	194.93000	0.00284	2.43000	0.17770	2.06300	0.00039
340.0000E-3	17.1969	0.0	0.0	185.31000	0.00284	2.43000	0.17360	2.07100	0.00040
350.0000E-3	17.1679	0.0	0.0	176.04000	0.00284	2.43000	0.16940	2.07800	0.00041
360.0000E-3	17.1397	0.0	0.0	167.16000	0.00284	2.43000	0.16560	2.08500	0.00041
370.0000E-3	17.1123	0.0	0.0	158.88000	0.00284	2.43000	0.16250	2.09000	0.00042
380.0000E-3	17.0857	0.0	0.0	150.96000	0.00284	2.43000	0.16000	2.09500	0.00042
390.0000E-3	17.0597	0.0	0.0	143.52000	0.00284	2.43000	0.15780	2.09900	0.00043
400.0000E-3	17.0344	0.0	0.0	136.54000	0.00284	2.43000	0.15600	2.10200	0.00043

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
410.0000E-3	17.0097	145.85000	15.30000	145.81000	17.49000	113.06000	0.0	0.0	130.55000
420.0000E-3	16.9856	140.75000	15.27000	140.71000	16.72000	108.76000	0.0	0.0	125.48000
430.0000E-3	16.9621	135.86000	15.23000	135.82000	15.98000	104.65000	0.0	0.0	120.63000
440.0000E-3	16.9391	131.39000	15.20000	131.35000	15.30000	100.89000	0.0	0.0	116.19000
450.0000E-3	16.9166	127.12000	15.17000	127.08000	14.66000	97.29000	0.0	0.0	111.95000
460.0000E-3	16.8946	122.96000	15.13000	122.92000	14.05000	93.78000	0.0	0.0	107.83000
470.0000E-3	16.8731	119.16000	15.10000	119.12000	13.48000	90.58000	0.0	0.0	104.06000
480.0000E-3	16.8521	115.55000	15.07000	115.51000	12.95000	87.53000	0.0	0.0	100.48000
490.0000E-3	16.8314	112.10000	15.03000	112.06000	12.44000	84.63000	0.0	0.0	97.07000
500.0000E-3	16.8112	108.90000	15.00000	108.86000	11.97000	81.93000	0.0	0.0	93.90000
525.0000E-3	16.7625	103.13000	14.91000	103.09000	11.17000	77.05000	0.0	0.0	88.22000
550.0000E-3	16.7159	98.28000	14.83000	98.24000	10.48000	72.97000	0.0	0.0	83.45000
575.0000E-3	16.6715	94.00000	14.75000	93.96000	9.87000	69.38000	0.0	0.0	79.25000
600.0000E-3	16.6289	90.37000	14.67000	90.33000	9.36000	66.34000	0.0	0.0	75.70000
625.0000E-3	16.5881	87.03000	14.60000	86.99000	8.93000	63.50000	0.0	0.0	72.43000
650.0000E-3	16.5489	84.27000	14.53000	84.23000	8.59000	61.15000	0.0	0.0	69.74000
675.0000E-3	16.5111	81.94000	14.47000	81.90000	8.32000	59.15000	0.0	0.0	67.47000
700.0000E-3	16.4748	79.91000	14.41000	79.87000	8.10000	57.40000	0.0	0.0	65.50000
725.0000E-3	16.4397	78.04000	14.35000	78.00000	7.91000	55.78000	0.0	0.0	63.69000
750.0000E-3	16.4058	76.66000	14.30000	76.62000	7.81000	54.55000	0.0	0.0	62.36000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
410.0000E-3	17.0097	0.0	0.0	130.55000	0.00284	2.43000	0.15470	2.10400	0.00044
420.0000E-3	16.9856	0.0	0.0	125.48000	0.00284	2.43000	0.15370	2.10600	0.00044
430.0000E-3	16.9621	0.0	0.0	120.63000	0.00284	2.43000	0.15270	2.10800	0.00045
440.0000E-3	16.9391	0.0	0.0	116.19000	0.00284	2.43000	0.15170	2.11000	0.00045
450.0000E-3	16.9166	0.0	0.0	111.95000	0.00284	2.43000	0.15070	2.11200	0.00046
460.0000E-3	16.8946	0.0	0.0	107.83000	0.00284	2.43000	0.14980	2.11300	0.00047
470.0000E-3	16.8731	0.0	0.0	104.06000	0.00284	2.43000	0.14880	2.11500	0.00047
480.0000E-3	16.8521	0.0	0.0	100.48000	0.00284	2.43000	0.14790	2.11700	0.00048
490.0000E-3	16.8314	0.0	0.0	97.07000	0.00284	2.43000	0.14700	2.11900	0.00048
500.0000E-3	16.8112	0.0	0.0	93.90000	0.00284	2.43000	0.14610	2.12000	0.00048
525.0000E-3	16.7625	0.0	0.0	88.22000	0.00284	2.43000	0.14500	2.12200	0.00050
550.0000E-3	16.7159	0.0	0.0	83.45000	0.00284	2.43000	0.14360	2.12500	0.00051
575.0000E-3	16.6715	0.0	0.0	79.25000	0.00284	2.43000	0.14230	2.12700	0.00052
600.0000E-3	16.6289	0.0	0.0	75.70000	0.00284	2.43000	0.14110	2.13000	0.00053
625.0000E-3	16.5881	0.0	0.0	72.43000	0.00284	2.43000	0.14070	2.13000	0.00054
650.0000E-3	16.5489	0.0	0.0	69.74000	0.00284	2.43000	0.14050	2.13100	0.00055
675.0000E-3	16.5111	0.0	0.0	67.47000	0.00284	2.43000	0.14070	2.13000	0.00056
700.0000E-3	16.4748	0.0	0.0	65.50000	0.00284	2.43000	0.14110	2.13000	0.00057
725.0000E-3	16.4397	0.0	0.0	63.69000	0.00284	2.43000	0.14180	2.12800	0.00058
750.0000E-3	16.4058	0.0	0.0	62.36000	0.00284	2.43000	0.14320	2.12600	0.00059

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
775.0000E-3	16.3730	75.50000	14.25000	75.46000	7.76000	53.49000	0.0	0.0	61.25000
800.0000E-3	16.3412	74.48000	14.21000	74.44000	7.73000	52.54000	0.0	0.0	60.27000
825.0000E-3	16.3105	73.97000	14.17000	73.93000	7.85000	51.95000	0.0	0.0	59.80000
850.0000E-3	16.2806	73.89000	14.13000	73.85000	8.09000	51.67000	0.0	0.0	59.76000
875.0000E-3	16.2516	74.33000	14.10000	74.29000	8.44000	51.79000	0.0	0.0	60.23000
900.0000E-3	16.2235	75.48000	14.07000	75.44000	8.92000	52.49000	0.0	0.0	61.41000
925.0000E-3	16.1961	77.84000	14.05000	77.80000	9.71000	54.08000	0.0	0.0	63.79000
950.0000E-3	16.1694	81.61000	14.03000	81.57000	10.72000	56.86000	0.0	0.0	67.58000
975.0000E-3	16.1434	87.10000	14.01000	87.06000	12.18000	60.91000	0.0	0.0	73.09000
1.0000E00	16.1181	94.59000	14.00000	94.55000	14.12000	66.47000	0.0	0.0	80.59000
1.0250E00	16.0934	105.46000	14.00000	105.42000	16.98000	74.48000	0.0	0.0	91.46000
1.0500E00	16.0693	119.03000	13.99000	118.99000	20.77000	84.27000	0.0	0.0	105.04000
1.0750E00	16.0458	135.57000	14.00000	135.53000	25.70000	95.87000	0.0	0.0	121.57000
1.1000E00	16.0228	151.67000	14.01000	151.63000	31.16000	106.50000	0.0	0.0	137.66000
1.1100E00	16.0137	156.29000	14.02000	156.25000	32.96000	109.31000	0.0	0.0	142.27000
1.1200E00	16.0048	157.43000	14.04000	157.39000	33.95000	109.44000	0.0	0.0	143.39000
1.1300E00	15.9959	157.13000	14.07000	157.09000	34.49000	108.57000	0.0	0.0	143.06000
1.1400E00	15.9871	153.80000	14.11000	153.76000	34.20000	105.49000	0.0	0.0	139.69000
1.1500E00	15.9783	146.60000	14.16000	146.56000	32.80000	99.64000	0.0	0.0	132.44000
1.1750E00	15.9568	123.42000	14.29000	123.38000	27.66000	81.47000	0.0	0.0	109.13000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
775.0000E-3	16.3730	0.0	0.0	61.25000	0.00284	2.43000	0.14500	2.12200	0.00060
800.0000E-3	16.3412	0.0	0.0	60.27000	0.00284	2.43000	0.14710	2.11800	0.00061
825.0000E-3	16.3105	0.0	0.0	59.80000	0.00284	2.43000	0.15100	2.11100	0.00062
850.0000E-3	16.2806	0.0	0.0	59.76000	0.00284	2.43000	0.15650	2.10100	0.00063
875.0000E-3	16.2516	0.0	0.0	60.23000	0.00284	2.43000	0.16300	2.08900	0.00064
900.0000E-3	16.2235	0.0	0.0	61.41000	0.00284	2.43000	0.17000	2.07700	0.00065
925.0000E-3	16.1961	0.0	0.0	63.79000	0.00284	2.43000	0.17950	2.06000	0.00066
950.0000E-3	16.1694	0.0	0.0	67.58000	0.00284	2.43000	0.18850	2.04500	0.00067
975.0000E-3	16.1434	0.0	0.0	73.09000	0.00284	2.43000	0.20000	2.02500	0.00068
1.0000E00	16.1181	0.0	0.0	80.59000	0.00284	2.43000	0.21240	2.00400	0.00069
1.0250E00	16.0934	0.0	0.0	91.46000	0.00284	2.43000	0.22800	1.97900	0.00069
1.0500E00	16.0693	0.0	0.0	105.04000	0.00284	2.43000	0.24650	1.94900	0.00070
1.0750E00	16.0458	0.0	0.0	121.57000	0.00284	2.43000	0.26810	1.91600	0.00071
1.1000E00	16.0228	0.0	0.0	137.66000	0.00284	2.43000	0.29260	1.88000	0.00072
1.1100E00	16.0137	0.0	0.0	142.27000	0.00284	2.43000	0.30150	1.86700	0.00072
1.1200E00	16.0048	0.0	0.0	143.39000	0.00284	2.43000	0.31020	1.85500	0.00073
1.1300E00	15.9959	0.0	0.0	143.06000	0.00284	2.43000	0.31770	1.84400	0.00073
1.1400E00	15.9871	0.0	0.0	139.69000	0.00284	2.43000	0.32420	1.83500	0.00073
1.1500E00	15.9783	0.0	0.0	132.44000	0.00284	2.43000	0.32920	1.82800	0.00073
1.1750E00	15.9568	0.0	0.0	109.13000	0.00284	2.43000	0.33950	1.81400	0.00074

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.2000E00	15.9358	102.29000	14.34000	102.25000	22.57000	65.38000	0.0	0.0	87.95000
1.2250E00	15.9152	84.92000	14.31000	84.88000	18.22000	52.39000	0.0	0.0	70.61000
1.2500E00	15.8950	68.70000	14.25000	68.66000	14.04000	40.41000	0.0	0.0	54.45000
1.2750E00	15.8751	58.28000	14.17000	58.24000	11.21000	32.90000	0.0	0.0	44.11000
1.3000E00	15.8557	50.47000	14.09000	50.43000	8.99000	27.39000	0.0	0.0	36.38000
1.3250E00	15.8367	46.20000	14.04000	46.16000	7.69000	24.47000	0.0	0.0	32.16000
1.3500E00	15.8180	43.17000	14.00000	43.13000	6.75000	22.42000	0.0	0.0	29.17000
1.3750E00	15.7996	40.79000	13.97000	40.75000	6.01000	20.81000	0.0	0.0	26.82000
1.4000E00	15.7816	38.70000	13.94000	38.66000	5.39000	19.37000	0.0	0.0	24.76000
1.4500E00	15.7465	35.83000	13.87000	35.79000	4.53000	17.43000	0.0	0.0	21.96000
1.5000E00	15.7126	33.59000	13.81000	33.55000	3.88000	15.90000	0.0	0.0	19.78000
1.5500E00	15.6798	31.97000	13.75000	31.93000	3.42000	14.80000	0.0	0.0	18.22000
1.6000E00	15.6481	30.49000	13.69000	30.45000	3.05000	13.75000	0.0	0.0	16.80000
1.6500E00	15.6173	29.68000	13.63000	29.64000	2.84000	13.21000	0.0	0.0	16.05000
1.7000E00	15.5875	29.07000	13.58000	29.03000	2.71000	12.78000	0.0	0.0	15.49000
1.7500E00	15.5585	28.62000	13.53000	28.58000	2.68000	12.41000	0.0	0.0	15.09000
1.8000E00	15.5303	28.56000	13.47000	28.52000	2.89000	12.20000	0.0	0.0	15.09000
1.8500E00	15.5029	29.17000	13.41000	29.13000	3.58000	12.18000	0.0	0.0	15.76000
1.9000E00	15.4762	30.42000	13.36000	30.38000	4.73000	12.33000	0.0	0.0	17.06000
1.9250E00	15.4632	32.36000	13.33000	32.32000	6.08000	12.95000	0.0	0.0	19.03000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.2000E00	15.9358	0.0	0.0	87.95000	0.00284	2.43000	0.34520	1.80600	0.00075
1.2250E00	15.9152	0.0	0.0	70.61000	0.00284	2.43000	0.34780	1.80300	0.00076
1.2500E00	15.8950	0.0	0.0	54.45000	0.00284	2.43000	0.34730	1.80400	0.00077
1.2750E00	15.8751	0.0	0.0	44.11000	0.00284	2.43000	0.34080	1.81200	0.00077
1.3000E00	15.8557	0.0	0.0	36.38000	0.00284	2.43000	0.32830	1.82900	0.00078
1.3250E00	15.8367	0.0	0.0	32.16000	0.00284	2.43000	0.31450	1.84900	0.00079
1.3500E00	15.8180	0.0	0.0	29.17000	0.00284	2.43000	0.30090	1.86800	0.00080
1.3750E00	15.7996	0.0	0.0	26.82000	0.00284	2.43000	0.28900	1.88500	0.00080
1.4000E00	15.7816	0.0	0.0	24.76000	0.00284	2.43000	0.27800	1.90100	0.00081
1.4500E00	15.7465	0.0	0.0	21.96000	0.00284	2.43000	0.26000	1.92900	0.00083
1.5000E00	15.7126	0.0	0.0	19.78000	0.00284	2.43000	0.24380	1.95400	0.00084
1.5500E00	15.6798	0.0	0.0	18.22000	0.00284	2.43000	0.23100	1.97400	0.00085
1.6000E00	15.6481	0.0	0.0	16.80000	0.00284	2.43000	0.22182	1.98800	0.00087
1.6500E00	15.6173	0.0	0.0	16.05000	0.00284	2.43000	0.21500	2.00000	0.00088
1.7000E00	15.5875	0.0	0.0	15.49000	0.00284	2.43000	0.21205	2.00500	0.00089
1.7500E00	15.5585	0.0	0.0	15.09000	0.00284	2.43000	0.21595	1.99900	0.00091
1.8000E00	15.5303	0.0	0.0	15.09000	0.00284	2.43000	0.23688	1.96400	0.00092
1.8500E00	15.5029	0.0	0.0	15.76000	0.00284	2.43000	0.29392	1.87700	0.00093
1.9000E00	15.4762	0.0	0.0	17.06000	0.00284	2.43000	0.38350	1.75600	0.00094
1.9250E00	15.4632	0.0	0.0	19.03000	0.00284	2.43000	0.46950	1.65400	0.00095

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.9500E00	15.4503	36.64000	13.30000	36.60000	9.18000	14.16000	0.0	0.0	23.34000
1.9750E00	15.4375	46.02000	13.27000	45.98000	15.96000	16.79000	0.0	0.0	32.75000
2.0000E00	15.4249	62.18000	13.24000	62.14000	27.64000	21.30000	0.0	0.0	48.94000
2.0100E00	15.4200	71.23000	13.23000	71.19000	34.20000	23.80000	0.0	0.0	58.00000
2.0200E00	15.4150	81.68000	13.22000	81.64000	41.76000	26.70000	0.0	0.0	68.46000
2.0300E00	15.4101	90.14000	13.21000	90.10000	47.97000	28.96000	0.0	0.0	76.93000
2.0350E00	15.4076	92.29000	13.21000	92.25000	49.71000	29.37000	0.0	0.0	79.08000
2.0400E00	15.4051	92.31000	13.20000	92.27000	49.94000	29.17000	0.0	0.0	79.11000
2.0500E00	15.4003	89.22000	13.19000	89.18000	47.84000	28.19000	0.0	0.0	76.03000
2.0750E00	15.3881	62.46000	13.16000	62.42000	28.95000	20.35000	0.0	0.0	49.30000
2.1000E00	15.3762	42.93000	13.13000	42.89000	15.07000	14.73000	0.0	0.0	29.80000
2.1250E00	15.3643	34.03000	13.11000	33.99000	8.80000	12.12000	0.0	0.0	20.92000
2.1500E00	15.3526	30.26000	13.08000	30.22000	6.05000	11.13000	0.0	0.0	17.18000
2.2000E00	15.3296	27.28000	13.03000	27.24000	3.59000	10.66000	0.0	0.0	14.25000
2.2500E00	15.3072	26.08000	12.98000	26.04000	2.67000	10.43000	0.0	0.0	13.10000
2.3000E00	15.2852	25.38000	12.93000	25.34000	2.21000	10.24000	0.0	0.0	12.45000
2.3500E00	15.2637	24.95000	12.88000	24.91000	1.98000	10.09000	0.0	0.0	12.07000
2.4000E00	15.2426	24.60000	12.83000	24.56000	1.81000	9.96000	0.0	0.0	11.77000
2.4500E00	15.2220	24.30000	12.78000	24.26000	1.67000	9.85000	0.0	0.0	11.52000
2.5000E00	15.2018	24.08000	12.73000	24.04000	1.59000	9.76000	0.0	0.0	11.35000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.9500E00	15.4503	0.0	0.0	23.34000	0.00284	2.43000	0.64810	1.47400	0.00096
1.9750E00	15.4375	0.0	0.0	32.75000	0.00284	2.43000	0.95050	1.24600	0.00096
2.0000E00	15.4249	0.0	0.0	48.94000	0.00284	2.43000	1.29780	1.05800	0.00097
2.0100E00	15.4200	0.0	0.0	58.00000	0.00284	2.43000	1.43720	0.99700	0.00097
2.0200E00	15.4150	0.0	0.0	68.46000	0.00284	2.43000	1.56400	0.94800	0.00097
2.0300E00	15.4101	0.0	0.0	76.93000	0.00284	2.43000	1.65620	0.91500	0.00098
2.0350E00	15.4076	0.0	0.0	79.08000	0.00284	2.43000	1.69240	0.90300	0.00098
2.0400E00	15.4051	0.0	0.0	79.11000	0.00284	2.43000	1.71190	0.89600	0.00098
2.0500E00	15.4003	0.0	0.0	76.03000	0.00284	2.43000	1.69720	0.90100	0.00098
2.0750E00	15.3881	0.0	0.0	49.30000	0.00284	2.43000	1.42250	1.00300	0.00099
2.1000E00	15.3762	0.0	0.0	29.80000	0.00284	2.43000	1.02300	1.20100	0.00099
2.1250E00	15.3643	0.0	0.0	20.92000	0.00284	2.43000	0.72610	1.40800	0.00100
2.1500E00	15.3526	0.0	0.0	17.18000	0.00284	2.43000	0.54350	1.57400	0.00100
2.2000E00	15.3296	0.0	0.0	14.25000	0.00284	2.43000	0.33677	1.81800	0.00102
2.2500E00	15.3072	0.0	0.0	13.10000	0.00284	2.43000	0.25610	1.93500	0.00103
2.3000E00	15.2852	0.0	0.0	12.45000	0.00284	2.43000	0.21580	1.99900	0.00104
2.3500E00	15.2637	0.0	0.0	12.07000	0.00284	2.43000	0.19620	2.03100	0.00105
2.4000E00	15.2426	0.0	0.0	11.77000	0.00284	2.43000	0.18170	2.05600	0.00106
2.4500E00	15.2220	0.0	0.0	11.52000	0.00284	2.43000	0.16950	2.07800	0.00107
2.5000E00	15.2018	0.0	0.0	11.35000	0.00284	2.43000	0.16290	2.09000	0.00108

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.5500E00	15.1820	23.88000	12.68000	23.84000	1.51000	9.69000	0.0	0.0	11.20000
2.6000E00	15.1626	23.79000	12.63000	23.75000	1.53000	9.63000	0.0	0.0	11.16000
2.6500E00	15.1435	23.82000	12.59000	23.78000	1.63000	9.60000	0.0	0.0	11.23000
2.7000E00	15.1248	23.99000	12.54000	23.95000	1.86000	9.59000	0.0	0.0	11.45000
2.7500E00	15.1065	25.00000	12.50000	24.97000	2.43000	10.07000	0.0	0.0	12.50000
2.8000E00	15.0885	31.20000	12.46000	31.17000	6.56000	12.18000	0.0	0.0	18.74000
2.8200E00	15.0814	33.00000	12.43000	32.97000	6.89000	13.68000	0.0	0.0	20.57000
2.8500E00	15.0708	34.33000	12.41000	34.30000	5.77000	16.15000	0.0	0.0	21.92000
2.9000E00	15.0534	35.85000	12.36000	35.82000	2.66000	20.83000	0.0	0.0	23.49000
2.9500E00	15.0363	38.62000	12.32000	38.59000	3.30000	23.00000	0.0	0.0	26.30000
3.0000E00	15.0195	43.00000	12.27000	42.96000	4.59000	26.14000	0.0	0.0	30.73000
3.0500E00	15.0030	51.62000	12.23000	51.59000	8.84000	30.55000	0.0	0.0	39.39000
3.1000E00	14.9867	72.77000	12.19000	72.74000	17.93000	42.65000	0.0	0.0	60.58000
3.1200E00	14.9803	82.25000	12.18000	82.22000	23.22000	46.85000	0.0	0.0	70.07000
3.1400E00	14.9739	87.35000	12.17000	87.32000	27.18000	48.00000	0.0	0.0	75.18000
3.1500E00	14.9707	87.70000	12.17000	87.67000	27.73000	47.80000	0.0	0.0	75.53000
3.1600E00	14.9675	87.30000	12.16000	87.27000	27.74000	47.40000	0.0	0.0	75.14000
3.1800E00	14.9612	80.20000	12.15000	80.17000	22.55000	45.50000	0.0	0.0	68.05000
3.2000E00	14.9549	69.40000	12.14000	69.37000	15.41000	41.85000	0.0	0.0	57.26000
3.2500E00	14.9394	45.26000	12.11000	45.23000	6.00000	27.15000	0.0	0.0	33.15000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.5500E00	15.1820	0.0	0.0	11.20000	0.00284	2.43000	0.15580	2.10200	0.00109
2.6000E00	15.1626	0.0	0.0	11.16000	0.00284	2.43000	0.15890	2.09700	0.00111
2.6500E00	15.1435	0.0	0.0	11.23000	0.00284	2.43000	0.16980	2.07700	0.00112
2.7000E00	15.1248	0.0	0.0	11.45000	0.00284	2.43000	0.19400	2.03500	0.00113
2.7500E00	15.1065	0.0	0.0	12.50000	0.00284	2.43000	0.24130	1.95800	0.00114
2.8000E00	15.0885	0.0	0.0	18.74000	0.00284	2.43000	0.53860	1.57900	0.00115
2.8200E00	15.0814	0.0	0.0	20.57000	0.00284	2.43000	0.50370	1.61600	0.00115
2.8500E00	15.0708	0.0	0.0	21.92000	0.00284	2.43000	0.35730	1.79000	0.00116
2.9000E00	15.0534	0.0	0.0	23.49000	0.00284	2.43000	0.12770	2.15500	0.00117
2.9500E00	15.0363	0.0	0.0	26.30000	0.00284	2.43000	0.14350	2.12500	0.00118
3.0000E00	15.0195	0.0	0.0	30.73000	0.00284	2.43000	0.17560	2.06700	0.00119
3.0500E00	15.0030	0.0	0.0	39.39000	0.00284	2.43000	0.28950	1.88400	0.00120
3.1000E00	14.9867	0.0	0.0	60.58000	0.00284	2.43000	0.42050	1.71100	0.00121
3.1200E00	14.9803	0.0	0.0	70.07000	0.00284	2.43000	0.49560	1.62500	0.00121
3.1400E00	14.9739	0.0	0.0	75.18000	0.00284	2.43000	0.56630	1.55100	0.00121
3.1500E00	14.9707	0.0	0.0	75.53000	0.00284	2.43000	0.58010	1.53800	0.00122
3.1600E00	14.9675	0.0	0.0	75.14000	0.00284	2.43000	0.58520	1.53300	0.00122
3.1800E00	14.9612	0.0	0.0	68.05000	0.00284	2.43000	0.49560	1.62500	0.00122
3.2000E00	14.9549	0.0	0.0	57.26000	0.00284	2.43000	0.36820	1.77600	0.00123
3.2500E00	14.9394	0.0	0.0	33.15000	0.00284	2.43000	0.22100	1.99000	0.00124

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.3000E00	14.9242	36.75000	12.08000	36.72000	3.67000	21.00000	0.0	0.0	24.67000
3.3250E00	14.9166	34.95000	12.07000	34.92000	3.53000	19.35000	0.0	0.0	22.88000
3.3500E00	14.9091	34.28000	12.05000	34.25000	3.96000	18.27000	0.0	0.0	22.23000
3.3750E00	14.9017	34.36000	12.04000	34.33000	4.60000	17.72000	0.0	0.0	22.32000
3.4000E00	14.8943	35.15000	12.02000	35.12000	5.48000	17.65000	0.0	0.0	23.13000
3.4250E00	14.8870	36.78000	12.01000	36.75000	6.72000	18.05000	0.0	0.0	24.77000
3.4500E00	14.8797	40.09000	12.00000	40.06000	8.65000	19.44000	0.0	0.0	28.09000
3.4750E00	14.8725	47.75000	11.99000	47.72000	12.48000	23.28000	0.0	0.0	35.76000
3.5000E00	14.8653	57.87000	11.98000	57.84000	18.23000	27.66000	0.0	0.0	45.89000
3.5200E00	14.8596	71.32000	11.97000	71.29000	26.60000	32.75000	0.0	0.0	59.35000
3.5400E00	14.8540	90.05000	11.96000	90.02000	38.11000	39.98000	0.0	0.0	78.09000
3.5600E00	14.8483	113.73000	11.95000	113.70000	51.30000	50.48000	0.0	0.0	101.78000
3.5800E00	14.8427	144.17000	11.94000	144.14000	62.89000	69.34000	0.0	0.0	132.23000
3.6000E00	14.8372	161.92000	11.93000	161.89000	67.67000	82.32000	0.0	0.0	149.99000
3.6200E00	14.8316	151.96000	11.92000	151.93000	60.81000	79.23000	0.0	0.0	140.04000
3.6400E00	14.8261	131.34000	11.91000	131.31000	50.71000	68.72000	0.0	0.0	119.43000
3.6600E00	14.8206	101.26000	11.90000	101.23000	37.48000	51.88000	0.0	0.0	89.36000
3.6800E00	14.8152	71.34000	11.89000	71.31000	24.71000	34.74000	0.0	0.0	59.45000
3.7000E00	14.8098	52.40000	11.88000	52.37000	16.74000	23.78000	0.0	0.0	40.52000
3.7250E00	14.8030	39.04000	11.87000	39.01000	9.64000	17.53000	0.0	0.0	27.17000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.3000E00	14.9242	0.0	0.0	24.67000	0.00284	2.43000	0.17480	2.06800	0.00124
3.3250E00	14.9166	0.0	0.0	22.88000	0.00284	2.43000	0.18250	2.05500	0.00125
3.3500E00	14.9091	0.0	0.0	22.23000	0.00284	2.43000	0.21675	1.99800	0.00125
3.3750E00	14.9017	0.0	0.0	22.32000	0.00284	2.43000	0.25980	1.92900	0.00126
3.4000E00	14.8943	0.0	0.0	23.13000	0.00284	2.43000	0.31060	1.85400	0.00126
3.4250E00	14.8870	0.0	0.0	24.77000	0.00284	2.43000	0.37220	1.77100	0.00127
3.4500E00	14.8797	0.0	0.0	28.09000	0.00284	2.43000	0.44500	1.68200	0.00127
3.4750E00	14.8725	0.0	0.0	35.76000	0.00284	2.43000	0.53600	1.58200	0.00128
3.5000E00	14.8653	0.0	0.0	45.89000	0.00284	2.43000	0.65890	1.46500	0.00128
3.5200E00	14.8596	0.0	0.0	59.35000	0.00284	2.43000	0.81200	1.34100	0.00129
3.5400E00	14.8540	0.0	0.0	78.09000	0.00284	2.43000	0.95310	1.24400	0.00129
3.5600E00	14.8483	0.0	0.0	101.78000	0.00284	2.43000	1.01630	1.20500	0.00129
3.5800E00	14.8427	0.0	0.0	132.23000	0.00284	2.43000	0.90700	1.27400	0.00130
3.6000E00	14.8372	0.0	0.0	149.99000	0.00284	2.43000	0.82200	1.33400	0.00130
3.6200E00	14.8316	0.0	0.0	140.04000	0.00284	2.43000	0.76750	1.37500	0.00130
3.6400E00	14.8261	0.0	0.0	119.43000	0.00284	2.43000	0.73800	1.39800	0.00131
3.6600E00	14.8206	0.0	0.0	89.36000	0.00284	2.43000	0.72240	1.41100	0.00131
3.6800E00	14.8152	0.0	0.0	59.45000	0.00284	2.43000	0.71120	1.42000	0.00131
3.7000E00	14.8098	0.0	0.0	40.52000	0.00284	2.43000	0.70380	1.42600	0.00132
3.7250E00	14.8030	0.0	0.0	27.17000	0.00284	2.43000	0.54990	1.56800	0.00132

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.7500E00	14.7963	32.21000	11.86000	32.18000	5.75000	14.60000	0.0	0.0	20.35000
3.7750E00	14.7897	28.75000	11.85000	28.72000	4.35000	12.55000	0.0	0.0	16.90000
3.8000E00	14.7831	26.19000	11.84000	26.16000	3.50000	10.85000	0.0	0.0	14.35000
3.8250E00	14.7765	24.51000	11.83000	24.48000	2.95000	9.73000	0.0	0.0	12.68000
3.8500E00	14.7700	23.23000	11.82000	23.20000	2.55000	8.86000	0.0	0.0	11.41000
3.8750E00	14.7635	22.13000	11.81000	22.10000	2.22000	8.10000	0.0	0.0	10.32000
3.9000E00	14.7571	21.28000	11.80000	21.25000	1.96000	7.52000	0.0	0.0	9.48000
3.9500E00	14.7444	19.97000	11.78000	19.94000	1.57000	6.62000	0.0	0.0	8.19000
4.0000E00	14.7318	19.02000	11.76000	18.99000	1.31000	5.95000	0.0	0.0	7.26000
4.1000E00	14.7071	17.75000	11.73000	17.72000	1.00000	5.02000	0.0	0.0	6.02000
4.2000E00	14.6830	17.16000	11.70000	17.12677	0.89000	4.57000	0.0	0.0	5.46000
4.3000E00	14.6595	16.72000	11.70000	16.68677	0.85000	4.17000	0.0	0.0	5.02000
4.4000E00	14.6365	16.52000	11.70000	16.48677	0.90000	3.92000	0.0	0.0	4.82000
4.5000E00	14.6140	16.61000	11.70000	16.57677	1.14000	3.77000	0.0	0.0	4.91000
4.6000E00	14.5920	17.38000	11.70000	17.34677	1.96000	3.72000	0.0	0.0	5.68000
4.6500E00	14.5812	20.17000	11.70000	20.13677	4.75000	3.72000	0.0	0.0	8.47000
4.6750E00	14.5759	22.65000	11.70000	22.61677	7.21000	3.74000	0.0	0.0	10.95000
4.7000E00	14.5705	26.58000	11.70000	26.54677	11.00000	3.88000	0.0	0.0	14.88000
4.7250E00	14.5652	33.05000	11.70000	33.01677	17.07000	4.28000	0.0	0.0	21.35000
4.7500E00	14.5600	44.21000	11.70000	44.17677	27.53000	4.98000	0.0	0.0	32.51000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.7500E00	14.7963	0.0	0.0	20.35000	0.00284	2.43000	0.39350	1.74400	0.00133
3.7750E00	14.7897	0.0	0.0	16.90000	0.00284	2.43000	0.34650	1.80500	0.00133
3.8000E00	14.7831	0.0	0.0	14.35000	0.00284	2.43000	0.32258	1.83800	0.00134
3.8250E00	14.7765	0.0	0.0	12.68000	0.00284	2.43000	0.30320	1.86500	0.00134
3.8500E00	14.7700	0.0	0.0	11.41000	0.00284	2.43000	0.28781	1.88700	0.00134
3.8750E00	14.7635	0.0	0.0	10.32000	0.00284	2.43000	0.27400	1.90700	0.00135
3.9000E00	14.7571	0.0	0.0	9.48000	0.00284	2.43000	0.26050	1.92800	0.00135
3.9500E00	14.7444	0.0	0.0	8.19000	0.00284	2.43000	0.23720	1.96400	0.00136
4.0000E00	14.7318	0.0	0.0	7.26000	0.00284	2.43000	0.22000	1.99200	0.00137
4.1000E00	14.7071	0.0	0.0	6.02000	0.00284	2.43000	0.19920	2.02600	0.00139
4.2000E00	14.6830	0.0	0.0	5.46000	0.00284	2.43000	0.19475	2.03200	0.00140
4.3000E00	14.6595	0.0	0.0	5.02000	0.00284	2.43000	0.20384	2.01700	0.00142
4.4000E00	14.6365	0.0	0.0	4.82000	0.00284	2.43000	0.22959	1.97800	0.00144
4.5000E00	14.6140	0.0	0.0	4.91000	0.00284	2.43000	0.30239	1.86600	0.00145
4.6000E00	14.5920	0.0	0.0	5.68000	0.00284	2.43000	0.52690	1.59100	0.00147
4.6500E00	14.5812	0.0	0.0	8.47000	0.00284	2.43000	1.27690	1.06700	0.00148
4.6750E00	14.5759	0.0	0.0	10.95000	0.00284	2.43000	1.92780	0.83000	0.00148
4.7000E00	14.5705	0.0	0.0	14.88000	0.00284	2.43000	2.83510	0.63400	0.00149
4.7250E00	14.5652	0.0	0.0	21.35000	0.00284	2.43000	3.98830	0.48700	0.00149
4.7500E00	14.5600	0.0	0.0	32.51000	0.00284	2.43000	5.52810	0.37200	0.00149

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.7750E00	14.5547	66.41000	11.70000	66.37677	47.98000	6.73000	0.0	0.0	54.71000
4.8000E00	14.5495	133.07000	11.70000	133.03700	107.95000	13.42000	0.0	0.0	121.37000
4.8200E00	14.5453	173.88000	11.70000	173.84700	145.78000	16.40000	0.0	0.0	162.18000
4.8400E00	14.5412	195.20000	11.70000	195.16700	166.57000	16.93000	0.0	0.0	183.50000
4.8500E00	14.5391	194.99000	11.70000	194.95700	166.83000	16.46000	0.0	0.0	183.29000
4.8600E00	14.5371	188.48000	11.70000	188.44700	161.27000	15.51000	0.0	0.0	176.78000
4.8800E00	14.5330	156.66000	11.70000	156.62700	132.47000	12.49000	0.0	0.0	144.96000
4.9000E00	14.5289	108.73000	11.70000	108.69700	87.88000	9.15000	0.0	0.0	97.03000
4.9250E00	14.5238	56.13000	11.70000	56.09677	37.12000	7.31000	0.0	0.0	44.43000
4.9500E00	14.5187	34.65000	11.70000	34.61677	16.33000	6.62000	0.0	0.0	22.95000
4.9750E00	14.5137	26.31000	11.70000	26.27677	8.36000	6.25000	0.0	0.0	14.61000
5.0000E00	14.5087	20.32362	11.70000	20.29039	4.02362	4.60000	0.0	0.0	8.62362
5.0500E00	14.4987	18.93600	11.70000	18.90277	2.43600	4.80000	0.0	0.0	7.23600
5.1000E00	14.4889	18.93598	11.70000	18.90276	1.93598	5.30000	0.0	0.0	7.23598
5.1500E00	14.4791	19.27161	11.70000	19.23838	1.77161	5.80000	0.0	0.0	7.57161
5.2000E00	14.4694	20.67138	11.70000	20.63815	2.07138	6.90000	0.0	0.0	8.97138
5.2500E00	14.4599	22.67718	11.70000	22.64395	2.77718	8.20000	0.0	0.0	10.97718
5.3000E00	14.4504	25.69046	11.70000	25.65724	4.39046	9.60000	0.0	0.0	13.99046
5.3500E00	14.4410	30.26477	11.70000	30.23154	7.26477	11.30000	0.0	0.0	18.56477
5.4000E00	14.4317	35.11548	11.70000	35.08225	10.21548	13.20000	0.0	0.0	23.41548

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.7750E00	14.5547	0.0	0.0	54.71000	0.00284	2.43000	7.12930	0.29900	0.00150
4.8000E00	14.5495	0.0	0.0	121.37000	0.00284	2.43000	8.04420	0.26900	0.00150
4.8200E00	14.5453	0.0	0.0	162.18000	0.00284	2.43000	8.88890	0.24600	0.00150
4.8400E00	14.5412	0.0	0.0	183.50000	0.00284	2.43000	9.83890	0.22400	0.00151
4.8500E00	14.5391	0.0	0.0	183.29000	0.00284	2.43000	10.13520	0.21800	0.00151
4.8600E00	14.5371	0.0	0.0	176.78000	0.00284	2.43000	10.39770	0.21300	0.00151
4.8800E00	14.5330	0.0	0.0	144.96000	0.00284	2.43000	10.61590	0.20900	0.00151
4.9000E00	14.5289	0.0	0.0	97.03000	0.00284	2.43000	9.60490	0.22900	0.00152
4.9250E00	14.5238	0.0	0.0	44.43000	0.00284	2.43000	5.07750	0.40000	0.00152
4.9500E00	14.5187	0.0	0.0	22.95000	0.00284	2.43000	2.46610	0.70100	0.00152
4.9750E00	14.5137	0.0	0.0	14.61000	0.00284	2.43000	1.33690	1.04000	0.00153
5.0000E00	14.5087	0.0	0.0	8.62362	0.00284	2.43000	0.87470	1.29600	0.00153
5.0500E00	14.4987	0.0	0.0	7.23600	0.00284	2.43000	0.50750	1.61200	0.00154
5.1000E00	14.4889	0.0	0.0	7.23598	0.00284	2.43000	0.36528	1.77900	0.00155
5.1500E00	14.4791	0.0	0.0	7.57161	0.00284	2.43000	0.30545	1.86100	0.00156
5.2000E00	14.4694	0.0	0.0	8.97138	0.00284	2.43000	0.30020	1.86900	0.00156
5.2500E00	14.4599	0.0	0.0	10.97718	0.00284	2.43000	0.33868	1.81600	0.00157
5.3000E00	14.4504	0.0	0.0	13.99046	0.00284	2.43000	0.45734	1.66800	0.00158
5.3500E00	14.4410	0.0	0.0	18.56477	0.00284	2.43000	0.64290	1.47900	0.00159
5.4000E00	14.4317	0.0	0.0	23.41548	0.00284	2.43000	0.77390	1.37000	0.00159

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.4500E00	14.4225	49.21782	11.70000	49.18459	23.31782	14.20000	0.0	0.0	37.51782
5.5000E00	14.4133	48.30300	11.70000	48.26977	21.60300	15.00000	0.0	0.0	36.60300
5.5500E00	14.4043	35.54690	11.70000	35.51367	8.44690	15.40000	0.0	0.0	23.84690
5.6000E00	14.3953	30.12732	11.70000	30.09409	3.12732	15.30000	0.0	0.0	18.42732
5.6500E00	14.3864	28.89739	11.70000	28.86416	2.09739	15.10000	0.0	0.0	17.19739
5.7000E00	14.3776	29.98500	11.70000	29.95177	3.28500	15.00000	0.0	0.0	18.28500
5.7500E00	14.3689	32.18100	11.70000	32.14777	5.48100	15.00000	0.0	0.0	20.48100
5.8000E00	14.3602	38.00420	11.70000	37.97097	11.20420	15.10000	0.0	0.0	26.30420
5.8500E00	14.3517	42.11368	11.70000	42.08045	15.21368	15.20000	0.0	0.0	30.41368
5.9000E00	14.3431	38.81680	11.70000	38.78357	11.11680	16.00000	0.0	0.0	27.11680
5.9500E00	14.3347	37.13616	11.70000	37.10293	7.03616	18.40000	0.0	0.0	25.43616
6.0000E00	14.3263	39.55210	11.70000	39.51887	6.45210	21.40000	0.0	0.0	27.85210
6.0500E00	14.3180	43.77840	11.70000	43.74517	8.07840	24.00000	0.0	0.0	32.07840
6.1000E00	14.3098	54.02550	11.70000	53.99227	13.32550	29.00000	0.0	0.0	42.32550
6.1600E00	14.3000	73.16500	11.70000	73.13177	23.46500	38.00000	0.0	0.0	61.46500
6.1800E00	14.2968	84.62120	11.70000	84.58797	28.92120	44.00000	0.0	0.0	72.92120
6.2000E00	14.2935	96.54960	11.70000	96.51637	36.84960	48.00000	0.0	0.0	84.84960
6.2600E00	14.2839	123.82000	11.70000	123.78700	72.12000	40.00000	0.0	0.0	112.12000
6.3000E00	14.2775	214.96700	11.70000	214.93300	154.46700	48.80000	0.0	0.0	203.26700
6.3500E00	14.2696	430.41700	12.43000	430.38200	327.98700	90.00000	0.0	0.0	417.98700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.4500E00	14.4225	0.0	0.0	37.51782	0.00284	2.43000	1.64210	0.92000	0.00160
5.5000E00	14.4133	0.0	0.0	36.60300	0.00284	2.43000	1.44020	0.99600	0.00161
5.5500E00	14.4043	0.0	0.0	23.84690	0.00284	2.43000	0.54850	1.56900	0.00161
5.6000E00	14.3953	0.0	0.0	18.42732	0.00284	2.43000	0.20440	2.01800	0.00162
5.6500E00	14.3864	0.0	0.0	17.19739	0.00284	2.43000	0.13890	2.13400	0.00163
5.7000E00	14.3776	0.0	0.0	18.28500	0.00284	2.43000	0.21900	1.99300	0.00164
5.7500E00	14.3689	0.0	0.0	20.48100	0.00284	2.43000	0.36540	1.78000	0.00164
5.8000E00	14.3602	0.0	0.0	26.30420	0.00284	2.43000	0.74200	1.39500	0.00165
5.8500E00	14.3517	0.0	0.0	30.41368	0.00284	2.43000	1.00090	1.21400	0.00166
5.9000E00	14.3431	0.0	0.0	27.11680	0.00284	2.43000	0.69480	1.43400	0.00166
5.9500E00	14.3347	0.0	0.0	25.43616	0.00284	2.43000	0.38240	1.75800	0.00167
6.0000E00	14.3263	0.0	0.0	27.85210	0.00284	2.43000	0.30150	1.86700	0.00168
6.0500E00	14.3180	0.0	0.0	32.07840	0.00284	2.43000	0.33660	1.81800	0.00169
6.1000E00	14.3098	0.0	0.0	42.32550	0.00284	2.43000	0.45950	1.66500	0.00169
6.1600E00	14.3000	0.0	0.0	61.46500	0.00284	2.43000	0.61750	1.50200	0.00170
6.1800E00	14.2968	0.0	0.0	72.92120	0.00284	2.43000	0.65730	1.46600	0.00170
6.2000E00	14.2935	0.0	0.0	84.84960	0.00284	2.43000	0.76770	1.37500	0.00171
6.2600E00	14.2839	0.0	0.0	112.12000	0.00284	2.43000	1.80300	0.86700	0.00171
6.3000E00	14.2775	0.0	0.0	203.26700	0.00284	2.43000	3.16530	0.58300	0.00172
6.3500E00	14.2696	0.0	0.0	417.98700	0.00284	2.43000	3.64430	0.52300	0.00173

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
6.3800E00	14.2649	486.46800	12.78000	486.43200	353.68800	120.00000	0.0	0.0	473.68800
6.4000E00	14.2618	480.04800	12.61000	480.01200	342.43800	125.00000	0.0	0.0	467.43800
6.4200E00	14.2587	403.52200	12.19000	403.48700	271.33200	120.00000	0.0	0.0	391.33200
6.4500E00	14.2540	246.60400	11.70000	246.57100	154.90400	80.00000	0.0	0.0	234.90400
6.5000E00	14.2463	91.70320	11.70000	91.66997	48.00320	32.00000	0.0	0.0	80.00320
6.5500E00	14.2386	41.08050	11.70000	41.04727	14.38050	15.00000	0.0	0.0	29.38050
6.6000E00	14.2310	30.71312	11.70000	30.67989	7.81312	11.20000	0.0	0.0	19.01312
6.6500E00	14.2235	26.25264	11.70000	26.21941	5.25264	9.30000	0.0	0.0	14.55264
6.7000E00	14.2160	24.10008	11.70000	24.06685	4.00008	8.40000	0.0	0.0	12.40008
6.8000E00	14.2012	24.21090	11.70000	24.17767	3.51090	9.00000	0.0	0.0	12.51090
6.8500E00	14.1938	26.26560	11.70000	26.23237	4.06560	10.50000	0.0	0.0	14.56560
6.9000E00	14.1866	28.27188	11.70000	28.23865	4.87188	11.70000	0.0	0.0	16.57188
6.9500E00	14.1794	38.07600	11.70000	38.04277	8.87600	17.50000	0.0	0.0	26.37600
7.0000E00	14.1722	71.08800	11.70000	71.05477	24.38800	35.00000	0.0	0.0	59.38800
7.0700E00	14.1622	183.29300	11.70000	183.26000	89.59320	82.00000	0.0	0.0	171.59300
7.0900E00	14.1594	196.88800	11.70000	196.85500	98.18820	87.00000	0.0	0.0	185.18800
7.1100E00	14.1566	183.05500	11.70000	183.02200	89.35540	82.00000	0.0	0.0	171.35500
7.1500E00	14.1510	126.77000	11.70000	126.73600	60.46950	54.60000	0.0	0.0	115.07000
7.1800E00	14.1468	73.32240	11.70000	73.28917	33.62240	28.00000	0.0	0.0	61.62240
7.2000E00	14.1440	53.42066	11.70000	53.38743	22.02066	19.70000	0.0	0.0	41.72066

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
6.3800E00	14.2649	0.0	0.0	473.68800	0.00284	2.43000	2.94740	0.61600	0.00173
6.4000E00	14.2618	0.0	0.0	467.43800	0.00284	2.43000	2.73950	0.65000	0.00173
6.4200E00	14.2587	0.0	0.0	391.33200	0.00284	2.43000	2.26110	0.74500	0.00174
6.4500E00	14.2540	0.0	0.0	234.90400	0.00284	2.43000	1.93630	0.82800	0.00174
6.5000E00	14.2463	0.0	0.0	80.00320	0.00284	2.43000	1.50010	0.97200	0.00175
6.5500E00	14.2386	0.0	0.0	29.38050	0.00284	2.43000	0.95870	1.24100	0.00175
6.6000E00	14.2310	0.0	0.0	19.01312	0.00284	2.43000	0.69760	1.43100	0.00176
6.6500E00	14.2235	0.0	0.0	14.55264	0.00284	2.43000	0.56480	1.55300	0.00177
6.7000E00	14.2160	0.0	0.0	12.40008	0.00284	2.43000	0.47620	1.64600	0.00177
6.8000E00	14.2012	0.0	0.0	12.51090	0.00284	2.43000	0.39010	1.74800	0.00179
6.8500E00	14.1938	0.0	0.0	14.56560	0.00284	2.43000	0.38720	1.75200	0.00179
6.9000E00	14.1866	0.0	0.0	16.57188	0.00284	2.43000	0.41640	1.71600	0.00180
6.9500E00	14.1794	0.0	0.0	26.37600	0.00284	2.43000	0.50720	1.61200	0.00181
7.0000E00	14.1722	0.0	0.0	59.38800	0.00284	2.43000	0.69680	1.43200	0.00181
7.0700E00	14.1622	0.0	0.0	171.59300	0.00284	2.43000	1.09260	1.16100	0.00182
7.0900E00	14.1594	0.0	0.0	185.18800	0.00284	2.43000	1.12860	1.14200	0.00182
7.1100E00	14.1566	0.0	0.0	171.35500	0.00284	2.43000	1.08970	1.16300	0.00183
7.1500E00	14.1510	0.0	0.0	115.07000	0.00284	2.43000	1.10750	1.15300	0.00183
7.1800E00	14.1468	0.0	0.0	61.62240	0.00284	2.43000	1.20080	1.10400	0.00184
7.2000E00	14.1440	0.0	0.0	41.72066	0.00284	2.43000	1.11780	1.14700	0.00184

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.2082E00	14.1429	49.12150	11.76540	49.08809	18.60620	18.74990	0.0	0.0	37.35610
7.2134E00	14.1422	45.81800	11.76020	45.78460	16.81510	17.24270	0.0	0.0	34.05780
7.2185E00	14.1414	40.59890	11.75560	40.56551	15.24690	13.59640	0.0	0.0	28.84330
7.2237E00	14.1407	41.53960	11.75150	41.50623	13.87850	15.90960	0.0	0.0	29.78810
7.2288E00	14.1400	37.68650	11.74800	37.65314	12.68280	13.25570	0.0	0.0	25.93850
7.2340E00	14.1393	37.79700	11.74500	37.76364	11.63730	14.41470	0.0	0.0	26.05200
7.2392E00	14.1386	34.37940	11.74230	34.34605	10.72510	11.91200	0.0	0.0	22.63710
7.2444E00	14.1379	31.08860	11.74000	31.05526	9.92270	9.42590	0.0	0.0	19.34860
7.2495E00	14.1372	30.87930	11.73790	30.84596	9.21750	9.92390	0.0	0.0	19.14140
7.2547E00	14.1364	34.22710	11.73610	34.19377	8.59440	13.89660	0.0	0.0	22.49100
7.2599E00	14.1357	31.35310	11.73450	31.31977	8.04280	11.57580	0.0	0.0	19.61860
7.2651E00	14.1350	30.35920	11.73310	30.32588	7.55160	11.07450	0.0	0.0	18.62610
7.2703E00	14.1343	26.77430	11.73180	26.74098	7.11330	7.92920	0.0	0.0	15.04250
7.2755E00	14.1336	23.23670	11.73070	23.20338	6.71980	4.78620	0.0	0.0	11.50600
7.2807E00	14.1329	26.01920	11.72970	25.98589	6.36590	7.92360	0.0	0.0	14.28950
7.2860E00	14.1321	28.17000	11.72880	28.13669	6.04570	10.39550	0.0	0.0	16.44120
7.2912E00	14.1314	24.90450	11.72800	24.87119	5.75490	7.42160	0.0	0.0	13.17650
7.2964E00	14.1307	25.79550	11.72720	25.76219	5.49060	8.57770	0.0	0.0	14.06830
7.3017E00	14.1300	23.41100	11.72650	23.37770	5.24890	6.43560	0.0	0.0	11.68450
7.3069E00	14.1293	23.83440	11.72590	23.80110	5.02780	7.08070	0.0	0.0	12.10850

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.2082E00	14.1429	0.0	0.0	37.35610	0.00284	2.43000	0.99230	1.21970	0.00184
7.2134E00	14.1422	0.0	0.0	34.05780	0.00284	2.43000	0.97520	1.23030	0.00184
7.2185E00	14.1414	0.0	0.0	28.84330	0.00284	2.43000	1.12140	1.14550	0.00184
7.2237E00	14.1407	0.0	0.0	29.78810	0.00284	2.43000	0.87230	1.29780	0.00184
7.2288E00	14.1400	0.0	0.0	25.93850	0.00284	2.43000	0.95680	1.24180	0.00184
7.2340E00	14.1393	0.0	0.0	26.05200	0.00284	2.43000	0.80730	1.34450	0.00184
7.2392E00	14.1386	0.0	0.0	22.63710	0.00284	2.43000	0.90040	1.27870	0.00184
7.2444E00	14.1379	0.0	0.0	19.34860	0.00284	2.43000	1.05270	1.18380	0.00184
7.2495E00	14.1372	0.0	0.0	19.14140	0.00284	2.43000	0.92880	1.25980	0.00185
7.2547E00	14.1364	0.0	0.0	22.49100	0.00284	2.43000	0.61850	1.50140	0.00185
7.2599E00	14.1357	0.0	0.0	19.61860	0.00284	2.43000	0.69480	1.43380	0.00185
7.2651E00	14.1350	0.0	0.0	18.62610	0.00284	2.43000	0.68190	1.44480	0.00185
7.2703E00	14.1343	0.0	0.0	15.04250	0.00284	2.43000	0.89710	1.28090	0.00185
7.2755E00	14.1336	0.0	0.0	11.50600	0.00284	2.43000	1.40400	1.01080	0.00185
7.2807E00	14.1329	0.0	0.0	14.28950	0.00284	2.43000	0.80340	1.34740	0.00185
7.2860E00	14.1321	0.0	0.0	16.44120	0.00284	2.43000	0.58160	1.53650	0.00185
7.2912E00	14.1314	0.0	0.0	13.17650	0.00284	2.43000	0.77540	1.36870	0.00185
7.2964E00	14.1307	0.0	0.0	14.06830	0.00284	2.43000	0.64010	1.48160	0.00185
7.3017E00	14.1300	0.0	0.0	11.68450	0.00284	2.43000	0.81560	1.33840	0.00185
7.3069E00	14.1293	0.0	0.0	12.10850	0.00284	2.43000	0.71010	1.42100	0.00185

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.3121E00	14.1286	23.96080	11.72540	23.92750	4.82440	7.41100	0.0	0.0	12.23540
7.3174E00	14.1278	24.76120	11.72490	24.72790	4.63720	8.39910	0.0	0.0	13.03630
7.3227E00	14.1271	24.08930	11.72440	24.05600	4.46410	7.90080	0.0	0.0	12.36490
7.3279E00	14.1264	20.30180	11.72390	20.26850	4.30380	4.27410	0.0	0.0	8.57790
7.3332E00	14.1257	21.96810	11.72360	21.93480	4.15510	6.08940	0.0	0.0	10.24450
7.3385E00	14.1250	20.67170	11.72320	20.63841	4.01670	4.93180	0.0	0.0	8.94850
7.3438E00	14.1242	21.20130	11.72290	21.16801	3.88790	5.59050	0.0	0.0	9.47840
7.3490E00	14.1235	20.74660	11.72250	20.71331	3.76760	5.25650	0.0	0.0	9.02410
7.3543E00	14.1228	22.43530	11.72230	22.40201	3.65520	7.05780	0.0	0.0	10.71300
7.3596E00	14.1221	22.98690	11.72200	22.95361	3.54980	7.71510	0.0	0.0	11.26490
7.3649E00	14.1214	23.21690	11.72180	23.18361	3.45110	8.04400	0.0	0.0	11.49510
7.3703E00	14.1206	21.48510	11.72150	21.45181	3.35800	6.40560	0.0	0.0	9.76360
7.3756E00	14.1199	22.03980	11.72130	22.00651	3.27080	7.04770	0.0	0.0	10.31850
7.3809E00	14.1192	21.62720	11.72110	21.59391	3.18850	6.71750	0.0	0.0	9.90610
7.3862E00	14.1185	20.57190	11.72100	20.53861	3.11090	5.74000	0.0	0.0	8.85090
7.3916E00	14.1178	19.83800	11.72080	19.80471	3.03760	5.07960	0.0	0.0	8.11720
7.3969E00	14.1170	21.89180	11.72060	21.85851	2.96830	7.20290	0.0	0.0	10.17120
7.4022E00	14.1163	20.51890	11.72050	20.48561	2.90290	5.89550	0.0	0.0	8.79840
7.4076E00	14.1156	19.30470	11.72040	19.27141	2.84090	4.74340	0.0	0.0	7.58430
7.4129E00	14.1149	20.88950	11.72030	20.85621	2.78210	6.38710	0.0	0.0	9.16920

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.3121E00	14.1286	0.0	0.0	12.23540	0.00284	2.43000	0.65100	1.47190	0.00185
7.3174E00	14.1278	0.0	0.0	13.03630	0.00284	2.43000	0.55210	1.56560	0.00185
7.3227E00	14.1271	0.0	0.0	12.36490	0.00284	2.43000	0.56500	1.55270	0.00185
7.3279E00	14.1264	0.0	0.0	8.57790	0.00284	2.43000	1.00690	1.21080	0.00185
7.3332E00	14.1257	0.0	0.0	10.24450	0.00284	2.43000	0.68240	1.44440	0.00186
7.3385E00	14.1250	0.0	0.0	8.94850	0.00284	2.43000	0.81450	1.33920	0.00186
7.3438E00	14.1242	0.0	0.0	9.47840	0.00284	2.43000	0.69550	1.43320	0.00186
7.3490E00	14.1235	0.0	0.0	9.02410	0.00284	2.43000	0.71670	1.41550	0.00186
7.3543E00	14.1228	0.0	0.0	10.71300	0.00284	2.43000	0.51790	1.60090	0.00186
7.3596E00	14.1221	0.0	0.0	11.26490	0.00284	2.43000	0.46010	1.66430	0.00186
7.3649E00	14.1214	0.0	0.0	11.49510	0.00284	2.43000	0.42900	1.70050	0.00186
7.3703E00	14.1206	0.0	0.0	9.76360	0.00284	2.43000	0.52420	1.59420	0.00186
7.3756E00	14.1199	0.0	0.0	10.31850	0.00284	2.43000	0.46410	1.65970	0.00186
7.3809E00	14.1192	0.0	0.0	9.90610	0.00284	2.43000	0.47470	1.64780	0.00186
7.3862E00	14.1185	0.0	0.0	8.85090	0.00284	2.43000	0.54200	1.57600	0.00186
7.3916E00	14.1178	0.0	0.0	8.11720	0.00284	2.43000	0.59800	1.52070	0.00186
7.3969E00	14.1170	0.0	0.0	10.17120	0.00284	2.43000	0.41210	1.72080	0.00186
7.4022E00	14.1163	0.0	0.0	8.79840	0.00284	2.43000	0.49240	1.62830	0.00186
7.4076E00	14.1156	0.0	0.0	7.58430	0.00284	2.43000	0.59890	1.51980	0.00187
7.4129E00	14.1149	0.0	0.0	9.16920	0.00284	2.43000	0.43560	1.69270	0.00187

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.4183E00	14.1141	20.33570	11.72020	20.30241	2.72640	5.88910	0.0	0.0	8.61550
7.4237E00	14.1134	19.62360	11.72010	19.59031	2.67340	5.23010	0.0	0.0	7.90350
7.4291E00	14.1127	18.25780	11.72000	18.22452	2.62310	3.91470	0.0	0.0	6.53780
7.4344E00	14.1120	18.20850	11.71990	18.17522	2.57530	3.91330	0.0	0.0	6.48860
7.4398E00	14.1113	20.29540	11.71980	20.26212	2.53000	6.04560	0.0	0.0	8.57560
7.4452E00	14.1105	20.57980	11.71980	20.54652	2.48670	6.37330	0.0	0.0	8.86000
7.4506E00	14.1098	18.56880	11.71970	18.53552	2.44550	4.40360	0.0	0.0	6.84910
7.4560E00	14.1091	18.19840	11.71970	18.16512	2.40630	4.07240	0.0	0.0	6.47870
7.4614E00	14.1084	20.12530	11.71960	20.09202	2.36890	6.03680	0.0	0.0	8.40570
7.4668E00	14.1076	20.56700	11.71960	20.53372	2.33330	6.51410	0.0	0.0	8.84740
7.4723E00	14.1069	21.67560	11.71960	21.64232	2.29930	7.65670	0.0	0.0	9.95600
7.4777E00	14.1062	23.10310	11.71960	23.06982	2.26680	9.11670	0.0	0.0	11.38350
7.4831E00	14.1054	17.37890	11.71960	17.34562	2.23580	3.42350	0.0	0.0	5.65930
7.4886E00	14.1047	20.92020	11.71960	20.88692	2.20630	6.99430	0.0	0.0	9.20060
7.4940E00	14.1040	20.39980	11.71950	20.36652	2.17810	6.50220	0.0	0.0	8.68030
7.4995E00	14.1033	18.74940	11.71960	18.71612	2.15120	4.87860	0.0	0.0	7.02980
7.5049E00	14.1025	18.72180	11.71960	18.68852	2.12540	4.87680	0.0	0.0	7.00220
7.5104E00	14.1018	20.00180	11.71960	19.96852	2.10090	6.18130	0.0	0.0	8.28220
7.5158E00	14.1011	17.85320	11.71960	17.81992	2.07740	4.05620	0.0	0.0	6.13360
7.5213E00	14.1004	16.86300	11.71960	16.82972	2.05500	3.08840	0.0	0.0	5.14340

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.4183E00	14.1141	0.0	0.0	8.61550	0.00284	2.43000	0.46290	1.66100	0.00187
7.4237E00	14.1134	0.0	0.0	7.90350	0.00284	2.43000	0.51120	1.60800	0.00187
7.4291E00	14.1127	0.0	0.0	6.53780	0.00284	2.43000	0.67010	1.45500	0.00187
7.4344E00	14.1120	0.0	0.0	6.48860	0.00284	2.43000	0.65810	1.46550	0.00187
7.4398E00	14.1113	0.0	0.0	8.57560	0.00284	2.43000	0.41850	1.71310	0.00187
7.4452E00	14.1105	0.0	0.0	8.86000	0.00284	2.43000	0.39020	1.74800	0.00187
7.4506E00	14.1098	0.0	0.0	6.84910	0.00284	2.43000	0.55530	1.56240	0.00187
7.4560E00	14.1091	0.0	0.0	6.47870	0.00284	2.43000	0.59090	1.52750	0.00187
7.4614E00	14.1084	0.0	0.0	8.40570	0.00284	2.43000	0.39240	1.74520	0.00187
7.4668E00	14.1076	0.0	0.0	8.84740	0.00284	2.43000	0.35820	1.78910	0.00187
7.4723E00	14.1069	0.0	0.0	9.95600	0.00284	2.43000	0.30030	1.86880	0.00187
7.4777E00	14.1062	0.0	0.0	11.38350	0.00284	2.43000	0.24860	1.94610	0.00187
7.4831E00	14.1054	0.0	0.0	5.65930	0.00284	2.43000	0.65310	1.47000	0.00187
7.4886E00	14.1047	0.0	0.0	9.20060	0.00284	2.43000	0.31540	1.84730	0.00188
7.4940E00	14.1040	0.0	0.0	8.68030	0.00284	2.43000	0.33500	1.82030	0.00188
7.4995E00	14.1033	0.0	0.0	7.02980	0.00284	2.43000	0.44090	1.68640	0.00188
7.5049E00	14.1025	0.0	0.0	7.00220	0.00284	2.43000	0.43580	1.69240	0.00188
7.5104E00	14.1018	0.0	0.0	8.28220	0.00284	2.43000	0.33990	1.81360	0.00188
7.5158E00	14.1011	0.0	0.0	6.13360	0.00284	2.43000	0.51220	1.60700	0.00188
7.5213E00	14.1004	0.0	0.0	5.14340	0.00284	2.43000	0.66540	1.45910	0.00188

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.5268E00	14.0996	18.45890	11.71960	18.42562	2.03360	4.70570	0.0	0.0	6.73930
7.5323E00	14.0989	15.51790	11.71970	15.48462	2.01320	1.78500	0.0	0.0	3.79820
7.5378E00	14.0982	19.71960	11.71970	19.68632	1.99370	6.00620	0.0	0.0	7.99990
7.5433E00	14.0974	19.86260	11.71970	19.82932	1.97510	6.16780	0.0	0.0	8.14290
7.5488E00	14.0967	16.27110	11.71980	16.23782	1.95730	2.59400	0.0	0.0	4.55130
7.5543E00	14.0960	17.70600	11.71980	17.67272	1.94040	4.04580	0.0	0.0	5.98620
7.5598E00	14.0953	19.96890	11.71990	19.93562	1.92420	6.32480	0.0	0.0	8.24900
7.5653E00	14.0945	20.10030	11.72000	20.06702	1.90880	6.47150	0.0	0.0	8.38030
7.5709E00	14.0938	18.30620	11.72000	18.27292	1.89420	4.69200	0.0	0.0	6.58620
7.5764E00	14.0931	16.83990	11.72010	16.80661	1.88020	3.23960	0.0	0.0	5.11980
7.5819E00	14.0923	16.82560	11.72020	16.79231	1.86700	3.23840	0.0	0.0	5.10540
7.5875E00	14.0916	18.26140	11.72020	18.22811	1.85420	4.68680	0.0	0.0	6.54120
7.5930E00	14.0909	17.28610	11.72030	17.25281	1.84240	3.72340	0.0	0.0	5.56580
7.5986E00	14.0901	17.27350	11.72040	17.24021	1.83110	3.72200	0.0	0.0	5.55310
7.6042E00	14.0894	16.45000	11.72050	16.41671	1.82040	2.90910	0.0	0.0	4.72950
7.6097E00	14.0887	17.56190	11.72060	17.52861	1.81020	4.03110	0.0	0.0	5.84130
7.6153E00	14.0879	17.23940	11.72070	17.20611	1.80070	3.71800	0.0	0.0	5.51870
7.6209E00	14.0872	18.67430	11.72080	18.64101	1.79160	5.16190	0.0	0.0	6.95350
7.6265E00	14.0865	17.36770	11.72090	17.33441	1.78310	3.86370	0.0	0.0	5.64680
7.6321E00	14.0857	17.35850	11.72100	17.32521	1.77520	3.86230	0.0	0.0	5.63750

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.5268E00	14.0996	0.0	0.0	6.73930	0.00284	2.43000	0.43220	1.69670	0.00188
7.5323E00	14.0989	0.0	0.0	3.79820	0.00284	2.43000	1.12780	1.14200	0.00188
7.5378E00	14.0982	0.0	0.0	7.99990	0.00284	2.43000	0.33190	1.82440	0.00188
7.5433E00	14.0974	0.0	0.0	8.14290	0.00284	2.43000	0.32020	1.84060	0.00188
7.5488E00	14.0967	0.0	0.0	4.55130	0.00284	2.43000	0.75460	1.38500	0.00188
7.5543E00	14.0960	0.0	0.0	5.98620	0.00284	2.43000	0.47960	1.64230	0.00188
7.5598E00	14.0953	0.0	0.0	8.24900	0.00284	2.43000	0.30420	1.86320	0.00188
7.5653E00	14.0945	0.0	0.0	8.38030	0.00284	2.43000	0.29500	1.87650	0.00188
7.5709E00	14.0938	0.0	0.0	6.58620	0.00284	2.43000	0.40370	1.73110	0.00189
7.5764E00	14.0931	0.0	0.0	5.11980	0.00284	2.43000	0.58040	1.53760	0.00189
7.5819E00	14.0923	0.0	0.0	5.10540	0.00284	2.43000	0.57650	1.54140	0.00189
7.5875E00	14.0916	0.0	0.0	6.54120	0.00284	2.43000	0.39570	1.74110	0.00189
7.5930E00	14.0909	0.0	0.0	5.56580	0.00284	2.43000	0.49480	1.62560	0.00189
7.5986E00	14.0901	0.0	0.0	5.55310	0.00284	2.43000	0.49200	1.62870	0.00189
7.6042E00	14.0894	0.0	0.0	4.72950	0.00284	2.43000	0.62580	1.49470	0.00189
7.6097E00	14.0887	0.0	0.0	5.84130	0.00284	2.43000	0.44910	1.67690	0.00189
7.6153E00	14.0879	0.0	0.0	5.51870	0.00284	2.43000	0.48430	1.63710	0.00189
7.6209E00	14.0872	0.0	0.0	6.95350	0.00284	2.43000	0.34710	1.80390	0.00189
7.6265E00	14.0865	0.0	0.0	5.64680	0.00284	2.43000	0.46150	1.66270	0.00189
7.6321E00	14.0857	0.0	0.0	5.63750	0.00284	2.43000	0.45960	1.66480	0.00189

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.6377E00	14.0850	18.64510	11.72110	18.61181	1.76770	5.15630	0.0	0.0	6.92400
7.6433E00	14.0843	18.79910	11.72120	18.76581	1.76080	5.31710	0.0	0.0	7.07790
7.6489E00	14.0835	16.53820	11.72130	16.50491	1.75430	3.06260	0.0	0.0	4.81690
7.6545E00	14.0828	16.36920	11.72140	16.33591	1.74830	2.89950	0.0	0.0	4.64780
7.6602E00	14.0821	16.20120	11.72150	16.16791	1.74280	2.73690	0.0	0.0	4.47970
7.6658E00	14.0813	16.68010	11.72170	16.64681	1.73780	3.22060	0.0	0.0	4.95840
7.6714E00	14.0806	17.30740	11.72180	17.27411	1.73320	3.85240	0.0	0.0	5.58560
7.6771E00	14.0799	19.87510	11.72190	19.84181	1.72900	6.42420	0.0	0.0	8.15320
7.6827E00	14.0791	15.21130	11.72210	15.17801	1.72530	1.76390	0.0	0.0	3.48920
7.6884E00	14.0784	17.45460	11.72220	17.42131	1.72200	4.01040	0.0	0.0	5.73240
7.6941E00	14.0776	18.74110	11.72240	18.70781	1.71910	5.29960	0.0	0.0	7.01870
7.6997E00	14.0769	16.97550	11.72250	16.94221	1.71660	3.53640	0.0	0.0	5.25300
7.7054E00	14.0762	16.97240	11.72270	16.93911	1.71460	3.53510	0.0	0.0	5.24970
7.7111E00	14.0754	16.48590	11.72280	16.45261	1.71290	3.05020	0.0	0.0	4.76310
7.7168E00	14.0747	15.83900	11.72300	15.80571	1.71170	2.40430	0.0	0.0	4.11600
7.7225E00	14.0740	15.99870	11.72320	15.96541	1.71080	2.56470	0.0	0.0	4.27550
7.7282E00	14.0732	18.72150	11.72330	18.68821	1.71030	5.28790	0.0	0.0	6.99820
7.7339E00	14.0725	16.80130	11.72350	16.76801	1.71030	3.36750	0.0	0.0	5.07780
7.7396E00	14.0717	17.75490	11.72370	17.72160	1.71060	4.32060	0.0	0.0	6.03120
7.7453E00	14.0710	16.80020	11.72390	16.76690	1.71130	3.36500	0.0	0.0	5.07630

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.6377E00	14.0850	0.0	0.0	6.92400	0.00284	2.43000	0.34280	1.80960	0.00189
7.6433E00	14.0843	0.0	0.0	7.07790	0.00284	2.43000	0.33120	1.82550	0.00189
7.6489E00	14.0835	0.0	0.0	4.81690	0.00284	2.43000	0.57280	1.54500	0.00190
7.6545E00	14.0828	0.0	0.0	4.64780	0.00284	2.43000	0.60300	1.51590	0.00190
7.6602E00	14.0821	0.0	0.0	4.47970	0.00284	2.43000	0.63680	1.48460	0.00190
7.6658E00	14.0813	0.0	0.0	4.95840	0.00284	2.43000	0.53960	1.57840	0.00190
7.6714E00	14.0806	0.0	0.0	5.58560	0.00284	2.43000	0.44990	1.67600	0.00190
7.6771E00	14.0799	0.0	0.0	8.15320	0.00284	2.43000	0.26910	1.91470	0.00190
7.6827E00	14.0791	0.0	0.0	3.48920	0.00284	2.43000	0.97810	1.22840	0.00190
7.6884E00	14.0784	0.0	0.0	5.73240	0.00284	2.43000	0.42940	1.70000	0.00190
7.6941E00	14.0776	0.0	0.0	7.01870	0.00284	2.43000	0.32440	1.83480	0.00190
7.6997E00	14.0769	0.0	0.0	5.25300	0.00284	2.43000	0.48540	1.63590	0.00190
7.7054E00	14.0762	0.0	0.0	5.24970	0.00284	2.43000	0.48500	1.63640	0.00190
7.7111E00	14.0754	0.0	0.0	4.76310	0.00284	2.43000	0.56160	1.55610	0.00190
7.7168E00	14.0747	0.0	0.0	4.11600	0.00284	2.43000	0.71200	1.41950	0.00190
7.7225E00	14.0740	0.0	0.0	4.27550	0.00284	2.43000	0.66710	1.45760	0.00190
7.7282E00	14.0732	0.0	0.0	6.99820	0.00284	2.43000	0.32340	1.83610	0.00190
7.7339E00	14.0725	0.0	0.0	5.07780	0.00284	2.43000	0.50790	1.61150	0.00191
7.7396E00	14.0717	0.0	0.0	6.03120	0.00284	2.43000	0.39590	1.74080	0.00191
7.7453E00	14.0710	0.0	0.0	5.07630	0.00284	2.43000	0.50860	1.61080	0.00191

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.7511E00	14.0703	15.35350	11.72410	15.32020	1.71240	1.91700	0.0	0.0	3.62940
7.7568E00	14.0695	17.12200	11.72430	17.08870	1.71380	3.68390	0.0	0.0	5.39770
7.7625E00	14.0688	15.83740	11.72450	15.80410	1.71570	2.39720	0.0	0.0	4.11290
7.7683E00	14.0680	15.99970	11.72470	15.96640	1.71790	2.55710	0.0	0.0	4.27500
7.7740E00	14.0673	16.96490	11.72490	16.93160	1.72050	3.51950	0.0	0.0	5.24000
7.7798E00	14.0666	15.52230	11.72510	15.48900	1.72350	2.07370	0.0	0.0	3.79720
7.7856E00	14.0658	18.40170	11.72540	18.36840	1.72690	4.94940	0.0	0.0	6.67630
7.7913E00	14.0651	15.84900	11.72560	15.81570	1.73060	2.39280	0.0	0.0	4.12340
7.7971E00	14.0643	16.97480	11.72580	16.94150	1.73470	3.51430	0.0	0.0	5.24900
7.8029E00	14.0636	15.37590	11.72610	15.34260	1.73920	1.91060	0.0	0.0	3.64980
7.8087E00	14.0629	18.09040	11.72630	18.05710	1.74410	4.62000	0.0	0.0	6.36410
7.8145E00	14.0621	16.34570	11.72660	16.31240	1.74940	2.86970	0.0	0.0	4.61910
7.8203E00	14.0614	15.07000	11.72680	15.03670	1.75510	1.58810	0.0	0.0	3.34320
7.8261E00	14.0606	17.30230	11.72710	17.26900	1.76110	3.81410	0.0	0.0	5.57520
7.8319E00	14.0599	15.88150	11.72730	15.84819	1.76760	2.38660	0.0	0.0	4.15420
7.8377E00	14.0592	18.59200	11.72760	18.55869	1.77440	5.09000	0.0	0.0	6.86440
7.8436E00	14.0584	15.25520	11.72790	15.22189	1.78160	1.74570	0.0	0.0	3.52730
7.8494E00	14.0577	18.44670	11.72820	18.41339	1.78930	4.92920	0.0	0.0	6.71850
7.8552E00	14.0569	16.54790	11.72850	16.51459	1.79730	3.02210	0.0	0.0	4.81940
7.8611E00	14.0562	18.29960	11.72880	18.26629	1.80580	4.76500	0.0	0.0	6.57080

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.7511E00	14.0703	0.0	0.0	3.62940	0.00284	2.43000	0.89330	1.28350	0.00191
7.7568E00	14.0695	0.0	0.0	5.39770	0.00284	2.43000	0.46520	1.65840	0.00191
7.7625E00	14.0688	0.0	0.0	4.11290	0.00284	2.43000	0.71570	1.41630	0.00191
7.7683E00	14.0680	0.0	0.0	4.27500	0.00284	2.43000	0.67180	1.45350	0.00191
7.7740E00	14.0673	0.0	0.0	5.24000	0.00284	2.43000	0.48890	1.63210	0.00191
7.7798E00	14.0666	0.0	0.0	3.79720	0.00284	2.43000	0.83110	1.32700	0.00191
7.7856E00	14.0658	0.0	0.0	6.67630	0.00284	2.43000	0.34890	1.80150	0.00191
7.7913E00	14.0651	0.0	0.0	4.12340	0.00284	2.43000	0.72330	1.41010	0.00191
7.7971E00	14.0643	0.0	0.0	5.24900	0.00284	2.43000	0.49360	1.62690	0.00191
7.8029E00	14.0636	0.0	0.0	3.64980	0.00284	2.43000	0.91030	1.27200	0.00191
7.8087E00	14.0629	0.0	0.0	6.36410	0.00284	2.43000	0.37750	1.76400	0.00191
7.8145E00	14.0621	0.0	0.0	4.61910	0.00284	2.43000	0.60960	1.50970	0.00192
7.8203E00	14.0614	0.0	0.0	3.34320	0.00284	2.43000	1.10520	1.15430	0.00192
7.8261E00	14.0606	0.0	0.0	5.57520	0.00284	2.43000	0.46170	1.66240	0.00192
7.8319E00	14.0599	0.0	0.0	4.15420	0.00284	2.43000	0.74060	1.39610	0.00192
7.8377E00	14.0592	0.0	0.0	6.86440	0.00284	2.43000	0.34860	1.80190	0.00192
7.8436E00	14.0584	0.0	0.0	3.52730	0.00284	2.43000	1.02060	1.20260	0.00192
7.8494E00	14.0577	0.0	0.0	6.71850	0.00284	2.43000	0.36300	1.78280	0.00192
7.8552E00	14.0569	0.0	0.0	4.81940	0.00284	2.43000	0.59470	1.52380	0.00192
7.8611E00	14.0562	0.0	0.0	6.57080	0.00284	2.43000	0.37900	1.76220	0.00192

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.8670E00	14.0554	17.66890	11.72910	17.63559	1.81470	4.12510	0.0	0.0	5.93980
7.8728E00	14.0547	18.79250	11.72940	18.75919	1.82400	5.23910	0.0	0.0	7.06310
7.8787E00	14.0539	15.78360	11.72970	15.75029	1.83370	2.22020	0.0	0.0	4.05390
7.8846E00	14.0532	15.13140	11.73010	15.09809	1.84390	1.55740	0.0	0.0	3.40130
7.8904E00	14.0524	18.39090	11.73040	18.35759	1.85450	4.80600	0.0	0.0	6.66050
7.8963E00	14.0517	19.48960	11.73080	19.45628	1.86560	5.89320	0.0	0.0	7.75880
7.9022E00	14.0510	18.10470	11.73110	18.07138	1.87710	4.49650	0.0	0.0	6.37360
7.9081E00	14.0502	17.64850	11.73150	17.61518	1.88910	4.02790	0.0	0.0	5.91700
7.9140E00	14.0495	15.49360	11.73190	15.46028	1.90150	1.86020	0.0	0.0	3.76170
7.9200E00	14.0487	16.13000	11.73220	16.09668	1.91440	2.48340	0.0	0.0	4.39780
7.9259E00	14.0480	15.67840	11.73260	15.64508	1.92790	2.01790	0.0	0.0	3.94580
7.9318E00	14.0472	15.99770	11.73300	15.96438	1.94180	2.32290	0.0	0.0	4.26470
7.9377E00	14.0465	16.31500	11.73350	16.28168	1.95420	2.62730	0.0	0.0	4.58150
7.9437E00	14.0457	17.41810	11.73390	17.38478	1.96940	3.71480	0.0	0.0	5.68420
7.9496E00	14.0450	16.80890	11.73430	16.77557	1.98510	3.08950	0.0	0.0	5.07460
7.9556E00	14.0442	16.82460	11.73480	16.79127	2.00140	3.08840	0.0	0.0	5.08980
7.9616E00	14.0435	17.92840	11.73520	17.89507	2.01830	4.17490	0.0	0.0	6.19320
7.9675E00	14.0427	17.78530	11.73570	17.75197	2.03570	4.01390	0.0	0.0	6.04960
7.9735E00	14.0420	19.03120	11.73620	18.99787	2.05370	5.24130	0.0	0.0	7.29500
7.9795E00	14.0412	18.74380	11.73660	18.71047	2.07230	4.93490	0.0	0.0	7.00720

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.8670E00	14.0554	0.0	0.0	5.93980	0.00284	2.43000	0.43990	1.68760	0.00192
7.8728E00	14.0547	0.0	0.0	7.06310	0.00284	2.43000	0.34820	1.80250	0.00192
7.8787E00	14.0539	0.0	0.0	4.05390	0.00284	2.43000	0.82590	1.33080	0.00192
7.8846E00	14.0532	0.0	0.0	3.40130	0.00284	2.43000	1.18400	1.11260	0.00192
7.8904E00	14.0524	0.0	0.0	6.66050	0.00284	2.43000	0.38590	1.75340	0.00192
7.8963E00	14.0517	0.0	0.0	7.75880	0.00284	2.43000	0.31660	1.84570	0.00193
7.9022E00	14.0510	0.0	0.0	6.37360	0.00284	2.43000	0.41750	1.71430	0.00193
7.9081E00	14.0502	0.0	0.0	5.91700	0.00284	2.43000	0.46900	1.65420	0.00193
7.9140E00	14.0495	0.0	0.0	3.76170	0.00284	2.43000	1.02220	1.20160	0.00193
7.9200E00	14.0487	0.0	0.0	4.39780	0.00284	2.43000	0.77090	1.37220	0.00193
7.9259E00	14.0480	0.0	0.0	3.94580	0.00284	2.43000	0.95540	1.24270	0.00193
7.9318E00	14.0472	0.0	0.0	4.26470	0.00284	2.43000	0.83600	1.32360	0.00193
7.9377E00	14.0465	0.0	0.0	4.58150	0.00284	2.43000	0.74380	1.39350	0.00193
7.9437E00	14.0457	0.0	0.0	5.68420	0.00284	2.43000	0.53020	1.58810	0.00193
7.9496E00	14.0450	0.0	0.0	5.07460	0.00284	2.43000	0.64250	1.47940	0.00193
7.9556E00	14.0442	0.0	0.0	5.08980	0.00284	2.43000	0.64810	1.47450	0.00193
7.9616E00	14.0435	0.0	0.0	6.19320	0.00284	2.43000	0.48340	1.63810	0.00193
7.9675E00	14.0427	0.0	0.0	6.04960	0.00284	2.43000	0.50720	1.61230	0.00193
7.9735E00	14.0420	0.0	0.0	7.29500	0.00284	2.43000	0.39180	1.74590	0.00193
7.9795E00	14.0412	0.0	0.0	7.00720	0.00284	2.43000	0.41990	1.71140	0.00194

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.9855E00	14.0405	16.91090	11.73710	16.87757	2.09150	3.08230	0.0	0.0	5.17380
7.9915E00	14.0397	19.54780	11.73770	19.51446	2.11130	5.69880	0.0	0.0	7.81010
7.9975E00	14.0390	19.56670	11.73820	19.53336	2.13180	5.69670	0.0	0.0	7.82850
8.0035E00	14.0382	17.59260	11.73870	17.55926	2.15300	3.70090	0.0	0.0	5.85390
8.0095E00	14.0375	19.46160	11.73930	19.42826	2.17480	5.54750	0.0	0.0	7.72230
8.0155E00	14.0367	18.09810	11.73990	18.06476	2.19740	4.16080	0.0	0.0	6.35820
8.0216E00	14.0360	16.73270	11.74040	16.69936	2.22060	2.77170	0.0	0.0	4.99230
8.0276E00	14.0352	21.21760	11.74100	21.18426	2.24470	7.23190	0.0	0.0	9.47660
8.0336E00	14.0345	19.55030	11.74170	19.51695	2.26940	5.53920	0.0	0.0	7.80860
8.0397E00	14.0337	20.33970	11.74230	20.30635	2.29500	6.30240	0.0	0.0	8.59740
8.0457E00	14.0330	21.44320	11.74300	21.40985	2.32140	7.37880	0.0	0.0	9.70020
8.0518E00	14.0322	16.55530	11.74360	16.52195	2.34870	2.46300	0.0	0.0	4.81170
8.0579E00	14.0314	18.11250	11.74430	18.07915	2.37680	3.99140	0.0	0.0	6.36820
8.0640E00	14.0307	21.20790	11.74500	21.17454	2.40580	7.05710	0.0	0.0	9.46290
8.0700E00	14.0299	22.15460	11.74570	22.12124	2.43570	7.97320	0.0	0.0	10.40890
8.0761E00	14.0292	18.81570	11.74650	18.78234	2.46660	4.60260	0.0	0.0	7.06920
8.0822E00	14.0284	19.91250	11.74730	19.87914	2.49850	5.66670	0.0	0.0	8.16520
8.0883E00	14.0277	19.64170	11.74810	19.60834	2.53140	5.36220	0.0	0.0	7.89360
8.0944E00	14.0269	21.05580	11.74890	21.02243	2.56540	6.74150	0.0	0.0	9.30690
8.1006E00	14.0262	18.94590	11.74970	18.91253	2.60050	4.59570	0.0	0.0	7.19620

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.9855E00	14.0405	0.0	0.0	5.17380	0.00284	2.43000	0.67860	1.44770	0.00194
7.9915E00	14.0397	0.0	0.0	7.81010	0.00284	2.43000	0.37050	1.77310	0.00194
7.9975E00	14.0390	0.0	0.0	7.82850	0.00284	2.43000	0.37420	1.76830	0.00194
8.0035E00	14.0382	0.0	0.0	5.85390	0.00284	2.43000	0.58170	1.53630	0.00194
8.0095E00	14.0375	0.0	0.0	7.72230	0.00284	2.43000	0.39200	1.74570	0.00194
8.0155E00	14.0367	0.0	0.0	6.35820	0.00284	2.43000	0.52810	1.59020	0.00194
8.0216E00	14.0360	0.0	0.0	4.99230	0.00284	2.43000	0.80120	1.34910	0.00194
8.0276E00	14.0352	0.0	0.0	9.47660	0.00284	2.43000	0.31040	1.85440	0.00194
8.0336E00	14.0345	0.0	0.0	7.80860	0.00284	2.43000	0.40970	1.72380	0.00194
8.0397E00	14.0337	0.0	0.0	8.59740	0.00284	2.43000	0.36420	1.78130	0.00194
8.0457E00	14.0330	0.0	0.0	9.70020	0.00284	2.43000	0.31460	1.84850	0.00194
8.0518E00	14.0322	0.0	0.0	4.81170	0.00284	2.43000	0.95360	1.24390	0.00194
8.0579E00	14.0314	0.0	0.0	6.36820	0.00284	2.43000	0.59550	1.52310	0.00195
8.0640E00	14.0307	0.0	0.0	9.46290	0.00284	2.43000	0.34090	1.81220	0.00195
8.0700E00	14.0299	0.0	0.0	10.40890	0.00284	2.43000	0.30550	1.86140	0.00195
8.0761E00	14.0292	0.0	0.0	7.06920	0.00284	2.43000	0.53590	1.58210	0.00195
8.0822E00	14.0284	0.0	0.0	8.16520	0.00284	2.43000	0.44090	1.68640	0.00195
8.0883E00	14.0277	0.0	0.0	7.89360	0.00284	2.43000	0.47210	1.65070	0.00195
8.0944E00	14.0269	0.0	0.0	9.30690	0.00284	2.43000	0.38050	1.76020	0.00195
8.1006E00	14.0262	0.0	0.0	7.19620	0.00284	2.43000	0.56580	1.55190	0.00195

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.1067E00	14.0254	18.82670	11.75060	18.79333	2.63670	4.43940	0.0	0.0	7.07610
8.1128E00	14.0247	19.93770	11.75150	19.90433	2.67410	5.51210	0.0	0.0	8.18620
8.1190E00	14.0239	19.65920	11.75240	19.62582	2.71270	5.19410	0.0	0.0	7.90680
8.1251E00	14.0231	21.39250	11.75330	21.35912	2.75260	6.88660	0.0	0.0	9.63920
8.1313E00	14.0224	21.57590	11.75430	21.54252	2.79380	7.02780	0.0	0.0	9.82160
8.1374E00	14.0216	23.75170	11.75530	23.71831	2.83640	9.16000	0.0	0.0	11.99640
8.1436E00	14.0209	23.34820	11.75630	23.31481	2.88040	8.71150	0.0	0.0	11.59190
8.1498E00	14.0201	20.94300	11.75740	20.90961	2.92590	6.25970	0.0	0.0	9.18560
8.1560E00	14.0193	23.88100	11.75850	23.84761	2.97290	9.14960	0.0	0.0	12.12250
8.1621E00	14.0186	23.62620	11.75960	23.59280	3.02150	8.84510	0.0	0.0	11.86660
8.1683E00	14.0178	22.00200	11.76080	21.96860	3.07190	7.16930	0.0	0.0	10.24120
8.1745E00	14.0171	22.50710	11.76200	22.47370	3.12390	7.62120	0.0	0.0	10.74510
8.1808E00	14.0163	23.47540	11.76330	23.44199	3.17770	8.53440	0.0	0.0	11.71210
8.1870E00	14.0155	24.58820	11.76460	24.55479	3.23350	9.59010	0.0	0.0	12.82360
8.1932E00	14.0148	25.55890	11.76590	25.52548	3.29120	10.50180	0.0	0.0	13.79300
8.1994E00	14.0140	23.80010	11.76730	23.76668	3.35100	8.68180	0.0	0.0	12.03280
8.2057E00	14.0133	23.70300	11.76870	23.66958	3.41290	8.52140	0.0	0.0	11.93430
8.2119E00	14.0125	24.36580	11.77020	24.33237	3.47720	9.11840	0.0	0.0	12.59560
8.2182E00	14.0117	22.30600	11.77180	22.27257	3.54370	6.99050	0.0	0.0	10.53420
8.2244E00	14.0110	24.81140	11.77340	24.77796	3.61270	9.42530	0.0	0.0	13.03800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.1067E00	14.0254	0.0	0.0	7.07610	0.00284	2.43000	0.59390	1.52450	0.00195
8.1128E00	14.0247	0.0	0.0	8.18620	0.00284	2.43000	0.48510	1.63620	0.00195
8.1190E00	14.0239	0.0	0.0	7.90680	0.00284	2.43000	0.52230	1.59630	0.00195
8.1251E00	14.0231	0.0	0.0	9.63920	0.00284	2.43000	0.39970	1.73610	0.00195
8.1313E00	14.0224	0.0	0.0	9.82160	0.00284	2.43000	0.39750	1.73880	0.00195
8.1374E00	14.0216	0.0	0.0	11.99640	0.00284	2.43000	0.30970	1.85550	0.00195
8.1436E00	14.0209	0.0	0.0	11.59190	0.00284	2.43000	0.33060	1.82620	0.00196
8.1498E00	14.0201	0.0	0.0	9.18560	0.00284	2.43000	0.46740	1.65600	0.00196
8.1560E00	14.0193	0.0	0.0	12.12250	0.00284	2.43000	0.32490	1.83410	0.00196
8.1621E00	14.0186	0.0	0.0	11.86660	0.00284	2.43000	0.34160	1.81130	0.00196
8.1683E00	14.0178	0.0	0.0	10.24120	0.00284	2.43000	0.42850	1.70110	0.00196
8.1745E00	14.0171	0.0	0.0	10.74510	0.00284	2.43000	0.40990	1.72350	0.00196
8.1808E00	14.0163	0.0	0.0	11.71210	0.00284	2.43000	0.37230	1.77070	0.00196
8.1870E00	14.0155	0.0	0.0	12.82360	0.00284	2.43000	0.33720	1.81730	0.00196
8.1932E00	14.0148	0.0	0.0	13.79300	0.00284	2.43000	0.31340	1.85020	0.00196
8.1994E00	14.0140	0.0	0.0	12.03280	0.00284	2.43000	0.38600	1.75330	0.00196
8.2057E00	14.0133	0.0	0.0	11.93430	0.00284	2.43000	0.40050	1.73510	0.00196
8.2119E00	14.0125	0.0	0.0	12.59560	0.00284	2.43000	0.38130	1.75920	0.00196
8.2182E00	14.0117	0.0	0.0	10.53420	0.00284	2.43000	0.50690	1.61260	0.00196
8.2244E00	14.0110	0.0	0.0	13.03800	0.00284	2.43000	0.38330	1.75670	0.00197

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.2307E00	14.0102	27.30360	11.77500	27.27016	3.68440	11.84420	0.0	0.0	15.52860
8.2370E00	14.0095	26.61900	11.77670	26.58555	3.75870	11.08360	0.0	0.0	14.84230
8.2433E00	14.0087	23.81690	11.77850	23.78345	3.83600	8.20240	0.0	0.0	12.03840
8.2495E00	14.0079	27.22770	11.78030	27.19424	3.91620	11.53120	0.0	0.0	15.44740
8.2558E00	14.0072	29.58480	11.78230	29.55134	3.99950	13.80300	0.0	0.0	17.80250
8.2621E00	14.0064	28.00520	11.78430	27.97173	4.08620	12.13470	0.0	0.0	16.22090
8.2685E00	14.0056	26.56950	11.78630	26.53603	4.17630	10.60690	0.0	0.0	14.78320
8.2748E00	14.0049	31.05540	11.78850	31.02192	4.27000	14.99690	0.0	0.0	19.26690
8.2811E00	14.0041	29.33220	11.79070	29.29871	4.36770	13.17380	0.0	0.0	17.54150
8.2874E00	14.0034	29.74020	11.79300	29.70671	4.46930	13.47790	0.0	0.0	17.94720
8.2938E00	14.0026	29.84350	11.79550	29.81000	4.57530	13.47270	0.0	0.0	18.04800
8.3001E00	14.0018	32.21110	11.79800	32.17759	4.68590	15.72720	0.0	0.0	20.41310
8.3065E00	14.0011	28.84630	11.80060	28.81279	4.80110	12.24460	0.0	0.0	17.04570
8.3128E00	14.0003	28.96480	11.80340	28.93128	4.92150	12.23990	0.0	0.0	17.16140
8.3192E00	13.9995	32.26460	11.80630	32.23107	5.04730	15.41100	0.0	0.0	20.45830
8.3256E00	13.9988	30.28260	11.80930	30.24906	5.17880	13.29450	0.0	0.0	18.47330
8.3320E00	13.9980	31.91810	11.81240	31.88455	5.31620	14.78950	0.0	0.0	20.10570
8.3383E00	13.9972	34.63610	11.81570	34.60254	5.46010	17.36030	0.0	0.0	22.82040
8.3447E00	13.9965	32.36390	11.81920	32.33033	5.61080	14.93390	0.0	0.0	20.54470
8.3512E00	13.9957	38.70360	11.82280	38.67002	5.76890	21.11190	0.0	0.0	26.88080

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.2307E00	14.0102	0.0	0.0	15.52860	0.00284	2.43000	0.31110	1.85340	0.00197
8.2370E00	14.0095	0.0	0.0	14.84230	0.00284	2.43000	0.33910	1.81460	0.00197
8.2433E00	14.0087	0.0	0.0	12.03840	0.00284	2.43000	0.46770	1.65570	0.00197
8.2495E00	14.0079	0.0	0.0	15.44740	0.00284	2.43000	0.33960	1.81390	0.00197
8.2558E00	14.0072	0.0	0.0	17.80250	0.00284	2.43000	0.28980	1.88410	0.00197
8.2621E00	14.0064	0.0	0.0	16.22090	0.00284	2.43000	0.33670	1.81790	0.00197
8.2685E00	14.0056	0.0	0.0	14.78320	0.00284	2.43000	0.39370	1.74350	0.00197
8.2748E00	14.0049	0.0	0.0	19.26690	0.00284	2.43000	0.28470	1.89150	0.00197
8.2811E00	14.0041	0.0	0.0	17.54150	0.00284	2.43000	0.33150	1.82500	0.00197
8.2874E00	14.0034	0.0	0.0	17.94720	0.00284	2.43000	0.33160	1.82490	0.00197
8.2938E00	14.0026	0.0	0.0	18.04800	0.00284	2.43000	0.33960	1.81400	0.00197
8.3001E00	14.0018	0.0	0.0	20.41310	0.00284	2.43000	0.29790	1.87220	0.00197
8.3065E00	14.0011	0.0	0.0	17.04570	0.00284	2.43000	0.39210	1.74560	0.00197
8.3128E00	14.0003	0.0	0.0	17.16140	0.00284	2.43000	0.40210	1.73310	0.00198
8.3192E00	13.9995	0.0	0.0	20.45830	0.00284	2.43000	0.32750	1.83050	0.00198
8.3256E00	13.9988	0.0	0.0	18.47330	0.00284	2.43000	0.38950	1.74880	0.00198
8.3320E00	13.9980	0.0	0.0	20.10570	0.00284	2.43000	0.35950	1.78750	0.00198
8.3383E00	13.9972	0.0	0.0	22.82040	0.00284	2.43000	0.31450	1.84860	0.00198
8.3447E00	13.9965	0.0	0.0	20.54470	0.00284	2.43000	0.37570	1.76640	0.00198
8.3512E00	13.9957	0.0	0.0	26.88080	0.00284	2.43000	0.27330	1.90850	0.00198

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.3576E00	13.9949	38.86490	11.82660	38.83131	5.93450	21.10380	0.0	0.0	27.03830
8.3640E00	13.9942	39.33200	11.83050	39.29840	6.10840	21.39310	0.0	0.0	27.50150
8.3704E00	13.9934	37.71340	11.83470	37.67979	6.29120	19.58750	0.0	0.0	25.87870
8.3768E00	13.9926	41.95860	11.83910	41.92498	6.48320	23.63630	0.0	0.0	30.11950
8.3833E00	13.9919	36.74760	11.84370	36.71396	6.68530	18.21860	0.0	0.0	24.90390
8.3897E00	13.9911	37.55240	11.84860	37.51875	6.89840	18.80540	0.0	0.0	25.70380
8.3962E00	13.9903	41.38480	11.85370	41.35114	7.12300	22.40810	0.0	0.0	29.53110
8.4027E00	13.9895	42.67800	11.85920	42.64432	7.36030	23.45850	0.0	0.0	30.81880
8.4091E00	13.9888	46.83220	11.86490	46.79850	7.61070	27.35660	0.0	0.0	34.96730
8.4156E00	13.9880	42.73550	11.87100	42.70179	7.87560	22.98890	0.0	0.0	30.86450
8.4221E00	13.9872	45.26720	11.87740	45.23347	8.15620	25.23360	0.0	0.0	33.38980
8.4286E00	13.9865	46.15390	11.88420	46.12015	8.45340	25.81630	0.0	0.0	34.26970
8.4351E00	13.9857	47.81980	11.89140	47.78603	8.76890	27.15950	0.0	0.0	35.92840
8.4416E00	13.9849	46.79990	11.89910	46.76611	9.10440	25.79640	0.0	0.0	34.90080
8.4481E00	13.9842	50.60270	11.90730	50.56888	9.46160	29.23380	0.0	0.0	38.69540
8.4546E00	13.9834	52.19100	11.91600	52.15716	9.84190	30.43310	0.0	0.0	40.27500
8.4612E00	13.9826	51.53990	11.92530	51.50603	10.24860	29.36600	0.0	0.0	39.61460
8.4677E00	13.9818	53.32330	11.93520	53.28940	10.68290	30.70520	0.0	0.0	41.38810
8.4743E00	13.9811	59.02510	11.94590	58.99117	11.14730	35.93190	0.0	0.0	47.07920
8.4808E00	13.9803	60.26700	11.95730	60.23304	11.64650	36.66320	0.0	0.0	48.30970

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.3576E00	13.9949	0.0	0.0	27.03830	0.00284	2.43000	0.28120	1.89670	0.00198
8.3640E00	13.9942	0.0	0.0	27.50150	0.00284	2.43000	0.28550	1.89030	0.00198
8.3704E00	13.9934	0.0	0.0	25.87870	0.00284	2.43000	0.32120	1.83930	0.00198
8.3768E00	13.9926	0.0	0.0	30.11950	0.00284	2.43000	0.27430	1.90690	0.00198
8.3833E00	13.9919	0.0	0.0	24.90390	0.00284	2.43000	0.36700	1.77770	0.00198
8.3897E00	13.9911	0.0	0.0	25.70380	0.00284	2.43000	0.36680	1.77780	0.00198
8.3962E00	13.9903	0.0	0.0	29.53110	0.00284	2.43000	0.31790	1.84390	0.00199
8.4027E00	13.9895	0.0	0.0	30.81880	0.00284	2.43000	0.31380	1.84970	0.00199
8.4091E00	13.9888	0.0	0.0	34.96730	0.00284	2.43000	0.27820	1.90110	0.00199
8.4156E00	13.9880	0.0	0.0	30.86450	0.00284	2.43000	0.34260	1.80990	0.00199
8.4221E00	13.9872	0.0	0.0	33.38980	0.00284	2.43000	0.32320	1.83640	0.00199
8.4286E00	13.9865	0.0	0.0	34.26970	0.00284	2.43000	0.32740	1.83060	0.00199
8.4351E00	13.9857	0.0	0.0	35.92840	0.00284	2.43000	0.32290	1.83690	0.00199
8.4416E00	13.9849	0.0	0.0	34.90080	0.00284	2.43000	0.35290	1.79610	0.00199
8.4481E00	13.9842	0.0	0.0	38.69540	0.00284	2.43000	0.32370	1.83580	0.00199
8.4546E00	13.9834	0.0	0.0	40.27500	0.00284	2.43000	0.32340	1.83620	0.00199
8.4612E00	13.9826	0.0	0.0	39.61460	0.00284	2.43000	0.34900	1.80130	0.00199
8.4677E00	13.9818	0.0	0.0	41.38810	0.00284	2.43000	0.34790	1.80280	0.00199
8.4743E00	13.9811	0.0	0.0	47.07920	0.00284	2.43000	0.31020	1.85460	0.00199
8.4808E00	13.9803	0.0	0.0	48.30970	0.00284	2.43000	0.31770	1.84420	0.00200

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.4874E00	13.9795	61.99210	11.96960	61.95811	12.18240	37.84010	0.0	0.0	50.02250
8.4940E00	13.9787	62.42720	11.98280	62.39317	12.75960	37.68480	0.0	0.0	50.44440
8.5005E00	13.9780	67.68020	11.99710	67.64613	13.38260	42.30050	0.0	0.0	55.68310
8.5071E00	13.9772	75.52910	12.01260	75.49498	14.05640	49.46010	0.0	0.0	63.51650
8.5137E00	13.9764	74.01470	12.02930	73.98054	14.78590	47.19950	0.0	0.0	61.98540
8.5203E00	13.9756	75.99960	12.04750	75.96539	15.57870	48.37340	0.0	0.0	63.95210
8.5269E00	13.9749	75.96710	12.06730	75.93283	16.44230	47.45750	0.0	0.0	63.89980
8.5335E00	13.9741	83.78440	12.08900	83.75007	17.38590	54.30950	0.0	0.0	71.69540
8.5402E00	13.9733	85.70530	12.11270	85.67090	18.41790	55.17470	0.0	0.0	73.59260
8.5468E00	13.9725	91.92000	12.13880	91.88553	19.55180	60.22940	0.0	0.0	79.78120
8.5534E00	13.9718	94.36140	12.16750	94.32684	20.80140	61.39250	0.0	0.0	82.19390
8.5601E00	13.9710	104.69600	12.19930	104.66100	22.18300	70.31330	0.0	0.0	92.49630
8.5667E00	13.9702	113.37500	12.23450	113.34000	23.71340	77.42670	0.0	0.0	101.14000
8.5734E00	13.9694	117.03000	12.27370	116.99500	25.41940	79.33640	0.0	0.0	104.75600
8.5801E00	13.9686	120.57700	12.31750	120.54200	27.32210	80.93750	0.0	0.0	108.26000
8.5868E00	13.9679	125.99600	12.36660	125.96100	29.45460	84.17520	0.0	0.0	113.63000
8.5934E00	13.9671	138.97100	12.42170	138.93600	31.84870	94.70040	0.0	0.0	126.54900
8.6001E00	13.9663	149.42400	12.48400	149.38900	34.55330	102.38700	0.0	0.0	136.94000
8.6068E00	13.9655	158.15500	12.55440	158.11900	37.60820	107.99200	0.0	0.0	145.60000
8.6135E00	13.9648	169.38700	12.63420	169.35100	41.07190	115.68100	0.0	0.0	156.75300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.4874E00	13.9795	0.0	0.0	50.02250	0.00284	2.43000	0.32190	1.83820	0.00200
8.4940E00	13.9787	0.0	0.0	50.44440	0.00284	2.43000	0.33860	1.81530	0.00200
8.5005E00	13.9780	0.0	0.0	55.68310	0.00284	2.43000	0.31640	1.84600	0.00200
8.5071E00	13.9772	0.0	0.0	63.51650	0.00284	2.43000	0.28420	1.89220	0.00200
8.5137E00	13.9764	0.0	0.0	61.98540	0.00284	2.43000	0.31330	1.85040	0.00200
8.5203E00	13.9756	0.0	0.0	63.95210	0.00284	2.43000	0.32210	1.83810	0.00200
8.5269E00	13.9749	0.0	0.0	63.89980	0.00284	2.43000	0.34650	1.80470	0.00200
8.5335E00	13.9741	0.0	0.0	71.69540	0.00284	2.43000	0.32010	1.84070	0.00200
8.5402E00	13.9733	0.0	0.0	73.59260	0.00284	2.43000	0.33380	1.82180	0.00200
8.5468E00	13.9725	0.0	0.0	79.78120	0.00284	2.43000	0.32460	1.83450	0.00200
8.5534E00	13.9718	0.0	0.0	82.19390	0.00284	2.43000	0.33880	1.81500	0.00200
8.5601E00	13.9710	0.0	0.0	92.49630	0.00284	2.43000	0.31550	1.84720	0.00200
8.5667E00	13.9702	0.0	0.0	101.14000	0.00284	2.43000	0.30630	1.86030	0.00201
8.5734E00	13.9694	0.0	0.0	104.75600	0.00284	2.43000	0.32040	1.84040	0.00201
8.5801E00	13.9686	0.0	0.0	108.26000	0.00284	2.43000	0.33760	1.81670	0.00201
8.5868E00	13.9679	0.0	0.0	113.63000	0.00284	2.43000	0.34990	1.80010	0.00201
8.5934E00	13.9671	0.0	0.0	126.54900	0.00284	2.43000	0.33630	1.81840	0.00201
8.6001E00	13.9663	0.0	0.0	136.94000	0.00284	2.43000	0.33750	1.81690	0.00201
8.6068E00	13.9655	0.0	0.0	145.60000	0.00284	2.43000	0.34820	1.80230	0.00201
8.6135E00	13.9648	0.0	0.0	156.75300	0.00284	2.43000	0.35500	1.79330	0.00201

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.6203E00	13.9640	174.55200	12.72490	174.51600	45.00640	116.82100	0.0	0.0	161.82700
8.6270E00	13.9632	213.50400	12.82780	213.46800	49.47330	151.20300	0.0	0.0	200.67600
8.6337E00	13.9624	220.85700	12.94490	220.82100	54.55240	153.36000	0.0	0.0	207.91200
8.6405E00	13.9616	230.12900	13.07810	230.09100	60.33140	156.71900	0.0	0.0	217.05000
8.6472E00	13.9609	255.71900	13.22870	255.68100	66.86280	175.62700	0.0	0.0	242.49000
8.6540E00	13.9601	280.24000	13.39910	280.20200	74.25160	192.58900	0.0	0.0	266.84100
8.6607E00	13.9593	319.02000	13.59070	318.98200	82.55860	222.87100	0.0	0.0	305.43000
8.6675E00	13.9585	344.55300	13.80450	344.51300	91.82610	238.92200	0.0	0.0	330.74800
8.6743E00	13.9577	373.02100	14.04150	372.98100	102.10100	256.87800	0.0	0.0	358.97900
8.6811E00	13.9569	421.59800	14.30190	421.55800	113.39200	293.90400	0.0	0.0	407.29600
8.6879E00	13.9562	451.92300	14.58480	451.88100	125.65200	311.68600	0.0	0.0	437.33800
8.6947E00	13.9554	485.84600	14.88910	485.80400	138.84500	332.11200	0.0	0.0	470.95700
8.7015E00	13.9546	550.82400	15.21130	550.78000	152.81000	382.80200	0.0	0.0	535.61200
8.7083E00	13.9538	563.96700	15.54770	563.92200	167.39000	381.02900	0.0	0.0	548.41900
8.7151E00	13.9530	626.35900	15.89280	626.31300	182.34900	428.11700	0.0	0.0	610.46600
8.7220E00	13.9522	666.38100	16.23990	666.33500	197.39600	452.74500	0.0	0.0	650.14100
8.7288E00	13.9515	716.72300	16.58070	716.67600	212.17100	487.97100	0.0	0.0	700.14200
8.7357E00	13.9507	783.07200	16.90750	783.02400	226.33800	539.82700	0.0	0.0	766.16500
8.7425E00	13.9499	804.82600	17.21000	804.77700	239.45500	548.16100	0.0	0.0	787.61600
8.7494E00	13.9491	840.13500	17.47950	840.08600	251.14000	571.51600	0.0	0.0	822.65600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.6203E00	13.9640	0.0	0.0	161.82700	0.00284	2.43000	0.38530	1.75420	0.00201
8.6270E00	13.9632	0.0	0.0	200.67600	0.00284	2.43000	0.32720	1.83090	0.00201
8.6337E00	13.9624	0.0	0.0	207.91200	0.00284	2.43000	0.35570	1.79240	0.00201
8.6405E00	13.9616	0.0	0.0	217.05000	0.00284	2.43000	0.38500	1.75460	0.00201
8.6472E00	13.9609	0.0	0.0	242.49000	0.00284	2.43000	0.38070	1.76000	0.00201
8.6540E00	13.9601	0.0	0.0	266.84100	0.00284	2.43000	0.38550	1.75380	0.00202
8.6607E00	13.9593	0.0	0.0	305.43000	0.00284	2.43000	0.37040	1.77320	0.00202
8.6675E00	13.9585	0.0	0.0	330.74800	0.00284	2.43000	0.38430	1.75540	0.00202
8.6743E00	13.9577	0.0	0.0	358.97900	0.00284	2.43000	0.39750	1.73890	0.00202
8.6811E00	13.9569	0.0	0.0	407.29600	0.00284	2.43000	0.38580	1.75350	0.00202
8.6879E00	13.9562	0.0	0.0	437.33800	0.00284	2.43000	0.40310	1.73180	0.00202
8.6947E00	13.9554	0.0	0.0	470.95700	0.00284	2.43000	0.41810	1.71360	0.00202
8.7015E00	13.9546	0.0	0.0	535.61200	0.00284	2.43000	0.39920	1.73670	0.00202
8.7083E00	13.9538	0.0	0.0	548.41900	0.00284	2.43000	0.43930	1.68830	0.00202
8.7151E00	13.9530	0.0	0.0	610.46600	0.00284	2.43000	0.42590	1.70410	0.00202
8.7220E00	13.9522	0.0	0.0	650.14100	0.00284	2.43000	0.43600	1.69220	0.00202
8.7288E00	13.9515	0.0	0.0	700.14200	0.00284	2.43000	0.43480	1.69360	0.00202
8.7357E00	13.9507	0.0	0.0	766.16500	0.00284	2.43000	0.41930	1.71210	0.00203
8.7425E00	13.9499	0.0	0.0	787.61600	0.00284	2.43000	0.43680	1.69120	0.00203
8.7494E00	13.9491	0.0	0.0	822.65600	0.00284	2.43000	0.43940	1.68820	0.00203

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.7563E00	13.9483	879.01200	17.70660	878.96200	260.99500	600.31100	0.0	0.0	861.30600
8.7632E00	13.9475	898.73500	17.88420	898.68400	268.70200	612.14800	0.0	0.0	880.85000
8.7701E00	13.9467	904.16100	18.00510	904.11000	273.95800	612.19800	0.0	0.0	886.15600
8.7770E00	13.9460	912.04500	18.06500	911.99400	276.57100	617.40900	0.0	0.0	893.98000
8.7839E00	13.9452	885.33600	18.06130	885.28500	276.43400	590.84100	0.0	0.0	867.27500
8.7908E00	13.9444	905.21600	17.99400	905.16500	273.54000	613.68200	0.0	0.0	887.22200
8.7977E00	13.9436	893.13100	17.86530	893.08000	267.98900	607.27700	0.0	0.0	875.26600
8.8046E00	13.9428	872.50800	17.68000	872.45800	259.98700	594.84100	0.0	0.0	854.82800
8.8116E00	13.9420	826.18500	17.44440	826.13500	249.80900	558.93200	0.0	0.0	808.74100
8.8185E00	13.9412	793.27800	17.16650	793.23000	237.79700	538.31500	0.0	0.0	776.11200
8.8255E00	13.9405	757.87100	16.85520	757.82300	224.34200	516.67400	0.0	0.0	741.01600
8.8325E00	13.9397	716.30400	16.52000	716.25700	209.85600	489.92800	0.0	0.0	699.78400
8.8394E00	13.9389	672.54000	16.17100	672.49400	194.77300	461.59600	0.0	0.0	656.36900
8.8464E00	13.9381	640.40600	15.81620	640.36100	179.43900	445.15100	0.0	0.0	624.59000
8.8534E00	13.9373	588.50300	15.46470	588.45900	164.25000	408.78900	0.0	0.0	573.03900
8.8604E00	13.9365	544.24900	15.12300	544.20600	149.48400	379.64200	0.0	0.0	529.12600
8.8674E00	13.9357	507.87000	14.79660	507.82800	135.38600	357.68800	0.0	0.0	493.07400
8.8744E00	13.9349	472.37200	14.48980	472.33100	122.13500	335.74700	0.0	0.0	457.88200
8.8815E00	13.9341	456.04300	14.20570	456.00300	109.87500	331.96300	0.0	0.0	441.83800
8.8885E00	13.9333	395.75600	13.94560	395.71600	98.65430	283.15600	0.0	0.0	381.81000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.7563E00	13.9483	0.0	0.0	861.30600	0.00284	2.43000	0.43480	1.69370	0.00203
8.7632E00	13.9475	0.0	0.0	880.85000	0.00284	2.43000	0.43890	1.68870	0.00203
8.7701E00	13.9467	0.0	0.0	886.15600	0.00284	2.43000	0.44750	1.67880	0.00203
8.7770E00	13.9460	0.0	0.0	893.98000	0.00284	2.43000	0.44800	1.67820	0.00203
8.7839E00	13.9452	0.0	0.0	867.27500	0.00284	2.43000	0.46790	1.65550	0.00203
8.7908E00	13.9444	0.0	0.0	887.22200	0.00284	2.43000	0.44580	1.68080	0.00203
8.7977E00	13.9436	0.0	0.0	875.26600	0.00284	2.43000	0.44130	1.68600	0.00203
8.8046E00	13.9428	0.0	0.0	854.82800	0.00284	2.43000	0.43710	1.69090	0.00203
8.8116E00	13.9420	0.0	0.0	808.74100	0.00284	2.43000	0.44690	1.67940	0.00203
8.8185E00	13.9412	0.0	0.0	776.11200	0.00284	2.43000	0.44170	1.68550	0.00203
8.8255E00	13.9405	0.0	0.0	741.01600	0.00284	2.43000	0.43420	1.69430	0.00204
8.8325E00	13.9397	0.0	0.0	699.78400	0.00284	2.43000	0.42830	1.70130	0.00204
8.8394E00	13.9389	0.0	0.0	656.36900	0.00284	2.43000	0.42200	1.70890	0.00204
8.8464E00	13.9381	0.0	0.0	624.59000	0.00284	2.43000	0.40310	1.73190	0.00204
8.8534E00	13.9373	0.0	0.0	573.03900	0.00284	2.43000	0.40180	1.73350	0.00204
8.8604E00	13.9365	0.0	0.0	529.12600	0.00284	2.43000	0.39380	1.74350	0.00204
8.8674E00	13.9357	0.0	0.0	493.07400	0.00284	2.43000	0.37850	1.76280	0.00204
8.8744E00	13.9349	0.0	0.0	457.88200	0.00284	2.43000	0.36380	1.78180	0.00204
8.8815E00	13.9341	0.0	0.0	441.83800	0.00284	2.43000	0.33100	1.82570	0.00204
8.8885E00	13.9333	0.0	0.0	381.81000	0.00284	2.43000	0.34840	1.80210	0.00204

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.8955E00	13.9326	368.43100	13.70980	368.39200	88.48470	266.23600	0.0	0.0	354.72100
8.9026E00	13.9318	341.33200	13.49850	341.29300	79.38110	248.45200	0.0	0.0	327.83300
8.9096E00	13.9310	317.19400	13.31060	317.15600	71.29640	232.58700	0.0	0.0	303.88300
8.9167E00	13.9302	298.99000	13.14420	298.95300	64.14370	221.70200	0.0	0.0	285.84600
8.9238E00	13.9294	285.89800	12.99770	285.86100	57.85780	215.04200	0.0	0.0	272.90000
8.9309E00	13.9286	268.80800	12.86940	268.77200	52.36180	203.57700	0.0	0.0	255.93900
8.9380E00	13.9278	240.05200	12.75710	240.01600	47.56080	179.73400	0.0	0.0	227.29500
8.9451E00	13.9270	230.74500	12.65880	230.70900	43.37250	174.71400	0.0	0.0	218.08700
8.9522E00	13.9262	216.01900	12.57270	215.98300	39.71980	163.72600	0.0	0.0	203.44600
8.9593E00	13.9254	208.89500	12.49730	208.85900	36.53250	159.86500	0.0	0.0	196.39800
8.9664E00	13.9246	197.40200	12.43110	197.36600	33.74860	151.22200	0.0	0.0	184.97100
8.9736E00	13.9238	183.06200	12.37280	183.02700	31.31690	139.37200	0.0	0.0	170.68900
8.9807E00	13.9230	179.37600	12.32140	179.34100	29.18660	137.86800	0.0	0.0	167.05500
8.9879E00	13.9222	172.89100	12.27580	172.85600	27.31530	133.30000	0.0	0.0	160.61500
8.9950E00	13.9214	164.03800	12.23530	164.00300	25.67460	126.12800	0.0	0.0	151.80300
9.0022E00	13.9206	159.61000	12.19930	159.57500	24.23520	123.17500	0.0	0.0	147.41000
9.0094E00	13.9198	153.18100	12.16700	153.14700	22.96930	118.04500	0.0	0.0	141.01400
9.0165E00	13.9190	149.96700	12.13800	149.93300	21.85910	115.97000	0.0	0.0	137.82900
9.0237E00	13.9182	144.28200	12.11210	144.24700	20.88950	111.28000	0.0	0.0	132.17000
9.0309E00	13.9174	134.81000	12.08860	134.77600	20.04440	102.67700	0.0	0.0	122.72100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.8955E00	13.9326	0.0	0.0	354.72100	0.00284	2.43000	0.33240	1.82380	0.00204
8.9026E00	13.9318	0.0	0.0	327.83300	0.00284	2.43000	0.31950	1.84160	0.00204
8.9096E00	13.9310	0.0	0.0	303.88300	0.00284	2.43000	0.30650	1.85990	0.00205
8.9167E00	13.9302	0.0	0.0	285.84600	0.00284	2.43000	0.28930	1.88470	0.00205
8.9238E00	13.9294	0.0	0.0	272.90000	0.00284	2.43000	0.26910	1.91480	0.00205
8.9309E00	13.9286	0.0	0.0	255.93900	0.00284	2.43000	0.25720	1.93290	0.00205
8.9380E00	13.9278	0.0	0.0	227.29500	0.00284	2.43000	0.26460	1.92150	0.00205
8.9451E00	13.9270	0.0	0.0	218.08700	0.00284	2.43000	0.24820	1.94670	0.00205
8.9522E00	13.9262	0.0	0.0	203.44600	0.00284	2.43000	0.24260	1.95560	0.00205
8.9593E00	13.9254	0.0	0.0	196.39800	0.00284	2.43000	0.22850	1.97800	0.00205
8.9664E00	13.9246	0.0	0.0	184.97100	0.00284	2.43000	0.22320	1.98660	0.00205
8.9736E00	13.9238	0.0	0.0	170.68900	0.00284	2.43000	0.22470	1.98420	0.00205
8.9807E00	13.9230	0.0	0.0	167.05500	0.00284	2.43000	0.21170	2.00540	0.00205
8.9879E00	13.9222	0.0	0.0	160.61500	0.00284	2.43000	0.20490	2.01670	0.00205
8.9950E00	13.9214	0.0	0.0	151.80300	0.00284	2.43000	0.20360	2.01900	0.00206
9.0022E00	13.9206	0.0	0.0	147.41000	0.00284	2.43000	0.19680	2.03050	0.00206
9.0094E00	13.9198	0.0	0.0	141.01400	0.00284	2.43000	0.19460	2.03420	0.00206
9.0165E00	13.9190	0.0	0.0	137.82900	0.00284	2.43000	0.18850	2.04460	0.00206
9.0237E00	13.9182	0.0	0.0	132.17000	0.00284	2.43000	0.18770	2.04590	0.00206
9.0309E00	13.9174	0.0	0.0	122.72100	0.00284	2.43000	0.19520	2.03310	0.00206

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.0382E00	13.9166	126.73900	12.06700	126.70500	19.28420	95.38810	0.0	0.0	114.67200
9.0454E00	13.9158	133.59100	12.04800	133.55700	18.66200	102.88100	0.0	0.0	121.54300
9.0526E00	13.9150	137.67300	12.03070	137.63800	18.13890	107.47600	0.0	0.0	125.64200
9.0598E00	13.9142	125.86600	12.01510	125.83200	17.71040	96.14090	0.0	0.0	113.85100
9.0671E00	13.9134	117.51800	12.00100	117.48400	17.37200	88.14540	0.0	0.0	105.51700
9.0743E00	13.9126	115.77000	11.98830	115.73600	17.12230	86.65950	0.0	0.0	103.78200
9.0816E00	13.9118	120.62300	11.97690	120.58900	16.96120	91.68530	0.0	0.0	108.64700
9.0889E00	13.9110	116.16600	11.96660	116.13200	16.88920	87.31000	0.0	0.0	104.19900
9.0962E00	13.9102	116.28700	11.95750	116.25300	16.90860	87.42090	0.0	0.0	104.33000
9.1034E00	13.9094	111.73800	11.94940	111.70400	17.02310	82.76570	0.0	0.0	99.78880
9.1107E00	13.9086	115.66600	11.94240	115.63200	17.23780	86.48620	0.0	0.0	103.72400
9.1181E00	13.9078	109.31000	11.93640	109.27600	17.55890	79.81490	0.0	0.0	97.37380
9.1254E00	13.9070	109.99300	11.93140	109.95900	17.99380	80.06760	0.0	0.0	98.06140
9.1327E00	13.9062	103.01800	11.92730	102.98400	18.54990	72.54050	0.0	0.0	91.09040
9.1400E00	13.9054	105.25400	11.92430	105.22100	19.23760	74.09250	0.0	0.0	93.33010
9.1474E00	13.9046	110.80700	11.92230	110.77300	20.06400	78.82060	0.0	0.0	98.88460
9.1547E00	13.9038	111.46400	11.92120	111.43000	21.03840	78.50470	0.0	0.0	99.54310
9.1621E00	13.9030	110.10800	11.92120	110.07400	22.16810	76.01850	0.0	0.0	98.18660
9.1695E00	13.9022	120.72400	11.92210	120.69000	23.45820	85.34370	0.0	0.0	108.80200
9.1768E00	13.9014	116.24500	11.92410	116.21100	24.91040	79.41030	0.0	0.0	104.32100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.0382E00	13.9166	0.0	0.0	114.67200	0.00284	2.43000	0.20220	2.02140	0.00206
9.0454E00	13.9158	0.0	0.0	121.54300	0.00284	2.43000	0.18140	2.05690	0.00206
9.0526E00	13.9150	0.0	0.0	125.64200	0.00284	2.43000	0.16880	2.07910	0.00206
9.0598E00	13.9142	0.0	0.0	113.85100	0.00284	2.43000	0.18420	2.05200	0.00206
9.0671E00	13.9134	0.0	0.0	105.51700	0.00284	2.43000	0.19710	2.02990	0.00206
9.0743E00	13.9126	0.0	0.0	103.78200	0.00284	2.43000	0.19760	2.02910	0.00206
9.0816E00	13.9118	0.0	0.0	108.64700	0.00284	2.43000	0.18500	2.05060	0.00206
9.0889E00	13.9110	0.0	0.0	104.19900	0.00284	2.43000	0.19340	2.03610	0.00207
9.0962E00	13.9102	0.0	0.0	104.33000	0.00284	2.43000	0.19340	2.03620	0.00207
9.1034E00	13.9094	0.0	0.0	99.78880	0.00284	2.43000	0.20570	2.01550	0.00207
9.1107E00	13.9086	0.0	0.0	103.72400	0.00284	2.43000	0.19930	2.02620	0.00207
9.1181E00	13.9078	0.0	0.0	97.37380	0.00284	2.43000	0.22000	1.99180	0.00207
9.1254E00	13.9070	0.0	0.0	98.06140	0.00284	2.43000	0.22470	1.98410	0.00207
9.1327E00	13.9062	0.0	0.0	91.09040	0.00284	2.43000	0.25570	1.93510	0.00207
9.1400E00	13.9054	0.0	0.0	93.33010	0.00284	2.43000	0.25960	1.92910	0.00207
9.1474E00	13.9046	0.0	0.0	98.88460	0.00284	2.43000	0.25460	1.93690	0.00207
9.1547E00	13.9038	0.0	0.0	99.54310	0.00284	2.43000	0.26800	1.91640	0.00207
9.1621E00	13.9030	0.0	0.0	98.18660	0.00284	2.43000	0.29160	1.88140	0.00207
9.1695E00	13.9022	0.0	0.0	108.80200	0.00284	2.43000	0.27490	1.90610	0.00207
9.1768E00	13.9014	0.0	0.0	104.32100	0.00284	2.43000	0.31370	1.84970	0.00208

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.1842E00	13.9006	123.44100	11.92700	123.40700	26.52220	84.99130	0.0	0.0	111.51400
9.1916E00	13.8998	124.45600	11.93090	124.42200	28.28330	84.24130	0.0	0.0	112.52500
9.1990E00	13.8990	124.02200	11.93550	123.98800	30.18370	81.90270	0.0	0.0	112.08600
9.2064E00	13.8982	131.09200	11.94090	131.05800	32.19630	86.95510	0.0	0.0	119.15100
9.2139E00	13.8974	131.59600	11.94680	131.56200	34.29360	85.35520	0.0	0.0	119.64900
9.2213E00	13.8966	141.41000	11.95310	141.37600	36.44040	93.01680	0.0	0.0	129.45700
9.2287E00	13.8958	146.79900	11.95960	146.76500	38.58460	96.25460	0.0	0.0	134.83900
9.2362E00	13.8950	151.98700	11.96590	151.95300	40.67660	99.34490	0.0	0.0	140.02200
9.2436E00	13.8942	159.91500	11.97200	159.88100	42.65870	105.28400	0.0	0.0	147.94300
9.2511E00	13.8934	164.09800	11.97740	164.06400	44.46830	107.65200	0.0	0.0	152.12000
9.2586E00	13.8925	161.37600	11.98190	161.34100	46.05060	103.34300	0.0	0.0	149.39400
9.2661E00	13.8917	171.59100	11.98520	171.55700	47.34680	112.25900	0.0	0.0	159.60600
9.2736E00	13.8909	172.07800	11.98710	172.04300	48.30640	111.78400	0.0	0.0	160.09000
9.2811E00	13.8901	181.70500	11.98750	181.67100	48.89260	120.82500	0.0	0.0	169.71800
9.2886E00	13.8893	180.84100	11.98620	180.80700	49.07710	119.78100	0.0	0.0	168.85500
9.2961E00	13.8885	170.07600	11.98310	170.04200	48.84850	109.24400	0.0	0.0	158.09300
9.3036E00	13.8877	178.31400	11.97830	178.28000	48.20850	118.12700	0.0	0.0	166.33600
9.3112E00	13.8869	169.43200	11.97180	169.39800	47.17700	110.28300	0.0	0.0	157.46000
9.3187E00	13.8861	172.52100	11.96380	172.48700	45.78530	114.77200	0.0	0.0	160.55700
9.3263E00	13.8853	160.70200	11.95440	160.66800	44.07750	104.67000	0.0	0.0	148.74800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.1842E00	13.9006	0.0	0.0	111.51400	0.00284	2.43000	0.31210	1.85210	0.00208
9.1916E00	13.8998	0.0	0.0	112.52500	0.00284	2.43000	0.33570	1.81920	0.00208
9.1990E00	13.8990	0.0	0.0	112.08600	0.00284	2.43000	0.36850	1.77560	0.00208
9.2064E00	13.8982	0.0	0.0	119.15100	0.00284	2.43000	0.37030	1.77340	0.00208
9.2139E00	13.8974	0.0	0.0	119.64900	0.00284	2.43000	0.40180	1.73350	0.00208
9.2213E00	13.8966	0.0	0.0	129.45700	0.00284	2.43000	0.39180	1.74600	0.00208
9.2287E00	13.8958	0.0	0.0	134.83900	0.00284	2.43000	0.40090	1.73460	0.00208
9.2362E00	13.8950	0.0	0.0	140.02200	0.00284	2.43000	0.40940	1.72410	0.00208
9.2436E00	13.8942	0.0	0.0	147.94300	0.00284	2.43000	0.40520	1.72930	0.00208
9.2511E00	13.8934	0.0	0.0	152.12000	0.00284	2.43000	0.41310	1.71970	0.00208
9.2586E00	13.8925	0.0	0.0	149.39400	0.00284	2.43000	0.44560	1.68100	0.00208
9.2661E00	13.8917	0.0	0.0	159.60600	0.00284	2.43000	0.42180	1.70910	0.00209
9.2736E00	13.8909	0.0	0.0	160.09000	0.00284	2.43000	0.43210	1.69680	0.00209
9.2811E00	13.8901	0.0	0.0	169.71800	0.00284	2.43000	0.40470	1.73000	0.00209
9.2886E00	13.8893	0.0	0.0	168.85500	0.00284	2.43000	0.40970	1.72370	0.00209
9.2961E00	13.8885	0.0	0.0	158.09300	0.00284	2.43000	0.44720	1.67920	0.00209
9.3036E00	13.8877	0.0	0.0	166.33600	0.00284	2.43000	0.40810	1.72570	0.00209
9.3112E00	13.8869	0.0	0.0	157.46000	0.00284	2.43000	0.42780	1.70190	0.00209
9.3187E00	13.8861	0.0	0.0	160.55700	0.00284	2.43000	0.39890	1.73700	0.00209
9.3263E00	13.8853	0.0	0.0	148.74800	0.00284	2.43000	0.42110	1.70990	0.00209

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.3339E00	13.8844	156.84400	11.94400	156.81000	42.10910	102.79100	0.0	0.0	144.90000
9.3414E00	13.8836	152.48600	11.93260	152.45200	39.93390	100.61900	0.0	0.0	140.55300
9.3490E00	13.8828	144.74400	11.92080	144.71100	37.61550	95.20810	0.0	0.0	132.82400
9.3566E00	13.8820	143.28300	11.90850	143.24900	35.21430	96.16010	0.0	0.0	131.37400
9.3642E00	13.8812	132.88600	11.89630	132.85300	32.79040	88.19970	0.0	0.0	120.99000
9.3718E00	13.8804	121.53800	11.88420	121.50400	30.38810	79.26580	0.0	0.0	109.65400
9.3795E00	13.8796	119.01900	11.87240	118.98500	28.05650	79.08990	0.0	0.0	107.14600
9.3871E00	13.8788	109.96700	11.86120	109.93300	25.82700	72.27870	0.0	0.0	98.10570
9.3947E00	13.8779	105.00400	11.85050	104.97000	23.72270	69.43040	0.0	0.0	93.15310
9.4024E00	13.8771	102.72900	11.84050	102.69500	21.76650	69.12170	0.0	0.0	90.88820
9.4101E00	13.8763	98.48790	11.83130	98.45430	19.96560	66.69100	0.0	0.0	86.65660
9.4177E00	13.8755	92.30020	11.82280	92.26662	18.32340	62.15400	0.0	0.0	80.47740
9.4254E00	13.8747	89.66130	11.81510	89.62775	16.83800	61.00820	0.0	0.0	77.84620
9.4331E00	13.8739	86.32180	11.80800	86.28827	15.50360	59.01020	0.0	0.0	74.51380
9.4408E00	13.8731	82.42070	11.80160	82.38718	14.31150	56.30760	0.0	0.0	70.61910
9.4485E00	13.8722	79.64010	11.79580	79.60660	13.25140	54.59290	0.0	0.0	67.84430
9.4562E00	13.8714	79.24660	11.79060	79.21311	12.31300	55.14300	0.0	0.0	67.45600
9.4639E00	13.8706	75.28780	11.78590	75.25433	11.48250	52.01940	0.0	0.0	63.50190
9.4717E00	13.8698	75.10170	11.78160	75.06824	10.75010	52.57000	0.0	0.0	63.32010
9.4794E00	13.8690	69.79130	11.77780	69.75785	10.10630	47.90720	0.0	0.0	58.01350

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.3339E00	13.8844	0.0	0.0	144.90000	0.00284	2.43000	0.40970	1.72380	0.00209
9.3414E00	13.8836	0.0	0.0	140.55300	0.00284	2.43000	0.39690	1.73960	0.00209
9.3490E00	13.8828	0.0	0.0	132.82400	0.00284	2.43000	0.39510	1.74180	0.00210
9.3566E00	13.8820	0.0	0.0	131.37400	0.00284	2.43000	0.36620	1.77860	0.00210
9.3642E00	13.8812	0.0	0.0	120.99000	0.00284	2.43000	0.37180	1.77140	0.00210
9.3718E00	13.8804	0.0	0.0	109.65400	0.00284	2.43000	0.38340	1.75660	0.00210
9.3795E00	13.8796	0.0	0.0	107.14600	0.00284	2.43000	0.35470	1.79370	0.00210
9.3871E00	13.8788	0.0	0.0	98.10570	0.00284	2.43000	0.35730	1.79030	0.00210
9.3947E00	13.8779	0.0	0.0	93.15310	0.00284	2.43000	0.34170	1.81120	0.00210
9.4024E00	13.8771	0.0	0.0	90.88820	0.00284	2.43000	0.31490	1.84800	0.00210
9.4101E00	13.8763	0.0	0.0	86.65660	0.00284	2.43000	0.29940	1.87010	0.00210
9.4177E00	13.8755	0.0	0.0	80.47740	0.00284	2.43000	0.29480	1.87670	0.00210
9.4254E00	13.8747	0.0	0.0	77.84620	0.00284	2.43000	0.27600	1.90440	0.00210
9.4331E00	13.8739	0.0	0.0	74.51380	0.00284	2.43000	0.26270	1.92440	0.00210
9.4408E00	13.8731	0.0	0.0	70.61910	0.00284	2.43000	0.25420	1.93750	0.00211
9.4485E00	13.8722	0.0	0.0	67.84430	0.00284	2.43000	0.24270	1.95540	0.00211
9.4562E00	13.8714	0.0	0.0	67.45600	0.00284	2.43000	0.22330	1.98640	0.00211
9.4639E00	13.8706	0.0	0.0	63.50190	0.00284	2.43000	0.22070	1.99060	0.00211
9.4717E00	13.8698	0.0	0.0	63.32010	0.00284	2.43000	0.20450	2.01750	0.00211
9.4794E00	13.8690	0.0	0.0	58.01350	0.00284	2.43000	0.21100	2.00670	0.00211

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.4872E00	13.8682	73.84150	11.77430	73.80806	9.54010	52.52710	0.0	0.0	62.06720
9.4950E00	13.8673	66.01250	11.77110	65.97907	9.04420	45.19720	0.0	0.0	54.24140
9.5027E00	13.8665	68.50770	11.76820	68.47428	8.61200	48.12750	0.0	0.0	56.73950
9.5105E00	13.8657	69.79620	11.76550	69.76279	8.23680	49.79390	0.0	0.0	58.03070
9.5183E00	13.8649	67.20700	11.76310	67.17359	7.91340	47.53050	0.0	0.0	55.44390
9.5261E00	13.8641	66.62820	11.76370	66.59479	7.77790	47.08660	0.0	0.0	54.86450
9.5339E00	13.8632	62.45410	11.76170	62.42070	7.55030	43.14210	0.0	0.0	50.69240
9.5417E00	13.8624	65.75000	11.75980	65.71660	7.36620	46.62400	0.0	0.0	53.99020
9.5496E00	13.8616	60.83140	11.75810	60.79801	7.22540	41.84790	0.0	0.0	49.07330
9.5574E00	13.8608	62.82070	11.75660	62.78731	7.12760	43.93650	0.0	0.0	51.06410
9.5653E00	13.8600	64.42920	11.75520	64.39582	7.07420	45.59980	0.0	0.0	52.67400
9.5731E00	13.8591	63.27750	11.75390	63.24412	7.06730	44.45630	0.0	0.0	51.52360
9.5810E00	13.8583	58.55200	11.75270	58.51862	7.11030	39.68900	0.0	0.0	46.79930
9.5889E00	13.8575	58.90970	11.75170	58.87633	7.20760	39.95040	0.0	0.0	47.15800
9.5968E00	13.8567	63.93940	11.75070	63.90603	7.36430	44.82440	0.0	0.0	52.18870
9.6047E00	13.8558	57.02130	11.74990	56.98793	7.58670	37.68470	0.0	0.0	45.27140
9.6126E00	13.8550	58.69600	11.74930	58.66263	7.88100	39.06570	0.0	0.0	46.94670
9.6205E00	13.8542	59.74230	11.74870	59.70893	8.25400	39.73960	0.0	0.0	47.99360
9.6284E00	13.8534	60.18280	11.74830	60.14943	8.71130	39.72320	0.0	0.0	48.43450
9.6364E00	13.8525	59.18230	11.74800	59.14894	9.25760	38.17670	0.0	0.0	47.43430

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.4872E00	13.8682	0.0	0.0	62.06720	0.00284	2.43000	0.18160	2.05650	0.00211
9.4950E00	13.8673	0.0	0.0	54.24140	0.00284	2.43000	0.20010	2.02480	0.00211
9.5027E00	13.8665	0.0	0.0	56.73950	0.00284	2.43000	0.17890	2.06120	0.00211
9.5105E00	13.8657	0.0	0.0	58.03070	0.00284	2.43000	0.16540	2.08510	0.00211
9.5183E00	13.8649	0.0	0.0	55.44390	0.00284	2.43000	0.16650	2.08320	0.00211
9.5261E00	13.8641	0.0	0.0	54.86450	0.00284	2.43000	0.16520	2.08550	0.00211
9.5339E00	13.8632	0.0	0.0	50.69240	0.00284	2.43000	0.17500	2.06810	0.00212
9.5417E00	13.8624	0.0	0.0	53.99020	0.00284	2.43000	0.15800	2.09850	0.00212
9.5496E00	13.8616	0.0	0.0	49.07330	0.00284	2.43000	0.17270	2.07220	0.00212
9.5574E00	13.8608	0.0	0.0	51.06410	0.00284	2.43000	0.16220	2.09080	0.00212
9.5653E00	13.8600	0.0	0.0	52.67400	0.00284	2.43000	0.15510	2.10360	0.00212
9.5731E00	13.8591	0.0	0.0	51.52360	0.00284	2.43000	0.15900	2.09670	0.00212
9.5810E00	13.8583	0.0	0.0	46.79930	0.00284	2.43000	0.17920	2.06080	0.00212
9.5889E00	13.8575	0.0	0.0	47.15800	0.00284	2.43000	0.18040	2.05860	0.00212
9.5968E00	13.8567	0.0	0.0	52.18870	0.00284	2.43000	0.16430	2.08710	0.00212
9.6047E00	13.8558	0.0	0.0	45.27140	0.00284	2.43000	0.20130	2.02280	0.00212
9.6126E00	13.8550	0.0	0.0	46.94670	0.00284	2.43000	0.20170	2.02210	0.00212
9.6205E00	13.8542	0.0	0.0	47.99360	0.00284	2.43000	0.20770	2.01210	0.00213
9.6284E00	13.8534	0.0	0.0	48.43450	0.00284	2.43000	0.21930	1.99290	0.00213
9.6364E00	13.8525	0.0	0.0	47.43430	0.00284	2.43000	0.24250	1.95570	0.00213

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.6443E00	13.8517	60.77860	11.74790	60.74524	9.89410	39.13660	0.0	0.0	49.03070
9.6523E00	13.8509	66.36650	11.74790	66.33314	10.62170	43.99690	0.0	0.0	54.61860
9.6602E00	13.8501	59.36210	11.74800	59.32874	11.43440	36.17970	0.0	0.0	47.61410
9.6682E00	13.8493	61.20980	11.74820	61.17644	12.32230	37.13930	0.0	0.0	49.46160
9.6762E00	13.8484	66.45950	11.74850	66.42613	13.26960	41.44140	0.0	0.0	54.71100
9.6842E00	13.8476	65.33550	11.74880	65.30213	14.25440	39.33230	0.0	0.0	53.58670
9.6922E00	13.8468	68.95770	11.74920	68.92433	15.24890	41.95960	0.0	0.0	57.20850
9.7002E00	13.8459	70.46460	11.74960	70.43123	16.22050	42.49450	0.0	0.0	58.71500
9.7083E00	13.8451	69.97870	11.75000	69.94533	17.13180	41.09690	0.0	0.0	58.22870
9.7163E00	13.8443	73.12910	11.75030	73.09573	17.94740	43.43140	0.0	0.0	61.37880
9.7244E00	13.8435	74.21330	11.75050	74.17993	18.62930	43.83350	0.0	0.0	62.46280
9.7324E00	13.8426	70.12970	11.75050	70.09633	19.14440	39.23480	0.0	0.0	58.37920
9.7405E00	13.8418	73.21590	11.75030	73.18253	19.46590	41.99970	0.0	0.0	61.46560
9.7486E00	13.8410	72.61260	11.75000	72.57923	19.57530	41.28730	0.0	0.0	60.86260
9.7566E00	13.8402	74.42420	11.74940	74.39083	19.46450	43.21030	0.0	0.0	62.67480
9.7647E00	13.8393	72.26890	11.74860	72.23553	19.13600	41.38430	0.0	0.0	60.52030
9.7729E00	13.8385	68.67880	11.74760	68.64544	18.60300	38.32820	0.0	0.0	56.93120
9.7810E00	13.8377	72.51340	11.74640	72.48004	17.88870	42.87830	0.0	0.0	60.76700
9.7891E00	13.8368	68.44880	11.74510	68.41544	17.02340	39.68030	0.0	0.0	56.70370
9.7972E00	13.8360	69.24630	11.74370	69.21295	16.04320	41.45940	0.0	0.0	57.50260

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.6443E00	13.8517	0.0	0.0	49.03070	0.00284	2.43000	0.25280	1.93960	0.00213
9.6523E00	13.8509	0.0	0.0	54.61860	0.00284	2.43000	0.24140	1.95740	0.00213
9.6602E00	13.8501	0.0	0.0	47.61410	0.00284	2.43000	0.31600	1.84640	0.00213
9.6682E00	13.8493	0.0	0.0	49.46160	0.00284	2.43000	0.33180	1.82460	0.00213
9.6762E00	13.8484	0.0	0.0	54.71100	0.00284	2.43000	0.32020	1.84060	0.00213
9.6842E00	13.8476	0.0	0.0	53.58670	0.00284	2.43000	0.36240	1.78360	0.00213
9.6922E00	13.8468	0.0	0.0	57.20850	0.00284	2.43000	0.36340	1.78230	0.00213
9.7002E00	13.8459	0.0	0.0	58.71500	0.00284	2.43000	0.38170	1.75870	0.00213
9.7083E00	13.8451	0.0	0.0	58.22870	0.00284	2.43000	0.41690	1.71510	0.00213
9.7163E00	13.8443	0.0	0.0	61.37880	0.00284	2.43000	0.41320	1.71950	0.00214
9.7244E00	13.8435	0.0	0.0	62.46280	0.00284	2.43000	0.42500	1.70530	0.00214
9.7324E00	13.8426	0.0	0.0	58.37920	0.00284	2.43000	0.48790	1.63310	0.00214
9.7405E00	13.8418	0.0	0.0	61.46560	0.00284	2.43000	0.46350	1.66040	0.00214
9.7486E00	13.8410	0.0	0.0	60.86260	0.00284	2.43000	0.47410	1.64840	0.00214
9.7566E00	13.8402	0.0	0.0	62.67480	0.00284	2.43000	0.45050	1.67530	0.00214
9.7647E00	13.8393	0.0	0.0	60.52030	0.00284	2.43000	0.46240	1.66170	0.00214
9.7729E00	13.8385	0.0	0.0	56.93120	0.00284	2.43000	0.48540	1.63600	0.00214
9.7810E00	13.8377	0.0	0.0	60.76700	0.00284	2.43000	0.41720	1.71470	0.00214
9.7891E00	13.8368	0.0	0.0	56.70370	0.00284	2.43000	0.42900	1.70050	0.00214
9.7972E00	13.8360	0.0	0.0	57.50260	0.00284	2.43000	0.38700	1.75200	0.00214

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.8054E00	13.8352	65.96070	11.74230	65.92735	14.98620	39.23220	0.0	0.0	54.21840
9.8136E00	13.8343	61.67090	11.74080	61.63756	13.89040	36.03970	0.0	0.0	49.93010
9.8217E00	13.8335	58.76350	11.73930	58.73016	12.79280	34.23140	0.0	0.0	47.02420
9.8299E00	13.8327	57.95060	11.73780	57.91726	11.72130	34.49150	0.0	0.0	46.21280
9.8381E00	13.8318	56.22750	11.73650	56.19417	10.70250	33.78850	0.0	0.0	44.49100
9.8463E00	13.8310	55.12110	11.73520	55.08777	9.75490	33.63100	0.0	0.0	43.38590
9.8545E00	13.8302	53.96710	11.73400	53.93378	8.89010	33.34300	0.0	0.0	42.23310
9.8627E00	13.8293	49.73660	11.73290	49.70328	8.11670	29.88700	0.0	0.0	38.00370
9.8710E00	13.8285	48.35120	11.73190	48.31788	7.43550	29.18380	0.0	0.0	36.61930
9.8792E00	13.8277	46.50960	11.73100	46.47628	6.84460	27.93400	0.0	0.0	34.77860
9.8874E00	13.8268	42.82760	11.73020	42.79429	6.33930	24.75810	0.0	0.0	31.09740
9.8957E00	13.8260	47.34630	11.72960	47.31299	5.91310	29.70360	0.0	0.0	35.61670
9.9040E00	13.8252	49.17770	11.72900	49.14439	5.55860	31.89010	0.0	0.0	37.44870
9.9123E00	13.8243	48.18390	11.72840	48.15059	5.26800	31.18750	0.0	0.0	36.45550
9.9206E00	13.8235	44.63860	11.72800	44.60529	5.03480	27.87580	0.0	0.0	32.91060
9.9289E00	13.8226	44.85640	11.72760	44.82309	4.85210	28.27670	0.0	0.0	33.12880
9.9372E00	13.8218	41.69310	11.72730	41.65979	4.71460	25.25120	0.0	0.0	29.96580
9.9455E00	13.8210	43.09220	11.72700	43.05890	4.61840	26.74680	0.0	0.0	31.36520
9.9538E00	13.8201	41.51680	11.72680	41.48350	4.56000	25.23000	0.0	0.0	29.79000
9.9622E00	13.8193	42.71630	11.72660	42.68300	4.53780	26.45190	0.0	0.0	30.98970

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.8054E00	13.8352	0.0	0.0	54.21840	0.00284	2.43000	0.38200	1.75830	0.00215
9.8136E00	13.8343	0.0	0.0	49.93010	0.00284	2.43000	0.38540	1.75400	0.00215
9.8217E00	13.8335	0.0	0.0	47.02420	0.00284	2.43000	0.37370	1.76890	0.00215
9.8299E00	13.8327	0.0	0.0	46.21280	0.00284	2.43000	0.33980	1.81370	0.00215
9.8381E00	13.8318	0.0	0.0	44.49100	0.00284	2.43000	0.31670	1.84550	0.00215
9.8463E00	13.8310	0.0	0.0	43.38590	0.00284	2.43000	0.29010	1.88360	0.00215
9.8545E00	13.8302	0.0	0.0	42.23310	0.00284	2.43000	0.26660	1.91850	0.00215
9.8627E00	13.8293	0.0	0.0	38.00370	0.00284	2.43000	0.27160	1.91100	0.00215
9.8710E00	13.8285	0.0	0.0	36.61930	0.00284	2.43000	0.25480	1.93660	0.00215
9.8792E00	13.8277	0.0	0.0	34.77860	0.00284	2.43000	0.24500	1.95180	0.00215
9.8874E00	13.8268	0.0	0.0	31.09740	0.00284	2.43000	0.25610	1.93460	0.00215
9.8957E00	13.8260	0.0	0.0	35.61670	0.00284	2.43000	0.19910	2.02660	0.00215
9.9040E00	13.8252	0.0	0.0	37.44870	0.00284	2.43000	0.17430	2.06930	0.00216
9.9123E00	13.8243	0.0	0.0	36.45550	0.00284	2.43000	0.16890	2.07890	0.00216
9.9206E00	13.8235	0.0	0.0	32.91060	0.00284	2.43000	0.18060	2.05830	0.00216
9.9289E00	13.8226	0.0	0.0	33.12880	0.00284	2.43000	0.17160	2.07410	0.00216
9.9372E00	13.8218	0.0	0.0	29.96580	0.00284	2.43000	0.18670	2.04770	0.00216
9.9455E00	13.8210	0.0	0.0	31.36520	0.00284	2.43000	0.17270	2.07220	0.00216
9.9538E00	13.8201	0.0	0.0	29.79000	0.00284	2.43000	0.18070	2.05800	0.00216
9.9622E00	13.8193	0.0	0.0	30.98970	0.00284	2.43000	0.17160	2.07420	0.00216

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.9705E00	13.8185	39.80480	11.71870	39.77152	4.10910	23.97700	0.0	0.0	28.08610
9.9789E00	13.8176	40.12650	11.71890	40.09322	4.16840	24.23920	0.0	0.0	28.40760
9.9873E00	13.8168	38.56730	11.71920	38.53402	4.26450	22.58360	0.0	0.0	26.84810
9.9957E00	13.8159	40.99290	11.71950	40.95962	4.39980	24.87360	0.0	0.0	29.27340
10.0041E00	13.8151	38.87590	11.71990	38.84262	4.57880	22.57720	0.0	0.0	27.15600
10.0125E00	13.8143	40.97270	11.72040	40.93941	4.80420	24.44810	0.0	0.0	29.25230
10.0209E00	13.8134	40.03420	11.72090	40.00091	5.08220	23.23110	0.0	0.0	28.31330
10.0293E00	13.8126	43.17880	11.72160	43.14551	5.41920	26.03800	0.0	0.0	31.45720
10.0378E00	13.8117	41.04290	11.72240	41.00961	5.82740	23.49310	0.0	0.0	29.32050
10.0462E00	13.8109	43.77250	11.72320	43.73921	6.30450	25.74480	0.0	0.0	32.04930
10.0547E00	13.8101	42.58980	11.72430	42.55650	6.86920	23.99630	0.0	0.0	30.86550
10.0631E00	13.8092	43.62620	11.72540	43.59290	7.51430	24.38650	0.0	0.0	31.90080
10.0716E00	13.8084	45.16630	11.72670	45.13300	8.25980	25.17980	0.0	0.0	33.43960
10.0801E00	13.8075	52.69050	11.72820	52.65719	9.10010	31.86220	0.0	0.0	40.96230
10.0886E00	13.8067	50.93240	11.72980	50.89909	10.03310	29.16950	0.0	0.0	39.20260
10.0971E00	13.8058	55.95930	11.73160	55.92598	11.05170	33.17600	0.0	0.0	44.22770
10.1057E00	13.8050	53.03440	11.73350	53.00108	12.15600	29.14490	0.0	0.0	41.30090
10.1142E00	13.8042	59.78790	11.73550	59.75457	13.30080	34.75160	0.0	0.0	48.05240
10.1227E00	13.8033	66.29320	11.73750	66.25987	14.47240	40.08330	0.0	0.0	54.55570
10.1313E00	13.8025	67.31660	11.73960	67.28326	15.65200	39.92500	0.0	0.0	55.57700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.9705E00	13.8185	0.0	0.0	28.08610	0.00284	2.43000	0.17140	2.07450	0.00216
9.9789E00	13.8176	0.0	0.0	28.40760	0.00284	2.43000	0.17200	2.07340	0.00216
9.9873E00	13.8168	0.0	0.0	26.84810	0.00284	2.43000	0.18880	2.04400	0.00216
9.9957E00	13.8159	0.0	0.0	29.27340	0.00284	2.43000	0.17690	2.06480	0.00217
10.0041E00	13.8151	0.0	0.0	27.15600	0.00284	2.43000	0.20280	2.02030	0.00217
10.0125E00	13.8143	0.0	0.0	29.25230	0.00284	2.43000	0.19650	2.03090	0.00217
10.0209E00	13.8134	0.0	0.0	28.31330	0.00284	2.43000	0.21880	1.99380	0.00217
10.0293E00	13.8126	0.0	0.0	31.45720	0.00284	2.43000	0.20810	2.01140	0.00217
10.0378E00	13.8117	0.0	0.0	29.32050	0.00284	2.43000	0.24820	1.94690	0.00217
10.0462E00	13.8109	0.0	0.0	32.04930	0.00284	2.43000	0.24490	1.95200	0.00217
10.0547E00	13.8101	0.0	0.0	30.86550	0.00284	2.43000	0.28630	1.88920	0.00217
10.0631E00	13.8092	0.0	0.0	31.90080	0.00284	2.43000	0.30810	1.85760	0.00217
10.0716E00	13.8084	0.0	0.0	33.43960	0.00284	2.43000	0.32800	1.82980	0.00217
10.0801E00	13.8075	0.0	0.0	40.96230	0.00284	2.43000	0.28560	1.89020	0.00218
10.0886E00	13.8067	0.0	0.0	39.20260	0.00284	2.43000	0.34400	1.80810	0.00218
10.0971E00	13.8058	0.0	0.0	44.22770	0.00284	2.43000	0.33310	1.82280	0.00218
10.1057E00	13.8050	0.0	0.0	41.30090	0.00284	2.43000	0.41710	1.71480	0.00218
10.1142E00	13.8042	0.0	0.0	48.05240	0.00284	2.43000	0.38270	1.75740	0.00218
10.1227E00	13.8033	0.0	0.0	54.55570	0.00284	2.43000	0.36110	1.78540	0.00218
10.1313E00	13.8025	0.0	0.0	55.57700	0.00284	2.43000	0.39200	1.74560	0.00218

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.1399E00	13.8016	65.90570	11.74150	65.87235	16.78730	37.37690	0.0	0.0	54.16420
10.1485E00	13.8008	70.28100	11.74340	70.24765	17.83650	40.70110	0.0	0.0	58.53760
10.1570E00	13.7999	69.96790	11.74500	69.93454	18.74710	39.47580	0.0	0.0	58.22290
10.1656E00	13.7991	74.31310	11.74630	74.27974	19.50080	43.06600	0.0	0.0	62.56680
10.1743E00	13.7982	78.31550	11.74740	78.28214	20.05610	46.51200	0.0	0.0	66.56810
10.1829E00	13.7974	77.27570	11.74800	77.24234	20.37350	45.15420	0.0	0.0	65.52770
10.1915E00	13.7965	75.99950	11.74820	75.96614	20.44440	43.80690	0.0	0.0	64.25130
10.2002E00	13.7957	70.34340	11.74810	70.31004	20.26130	38.33400	0.0	0.0	58.59530
10.2088E00	13.7948	78.41490	11.74750	78.38154	19.83670	46.83070	0.0	0.0	66.66740
10.2175E00	13.7940	71.22200	11.74650	71.18864	19.18120	40.29430	0.0	0.0	59.47550
10.2262E00	13.7931	70.35170	11.74530	70.31834	18.32920	40.27720	0.0	0.0	58.60640
10.2349E00	13.7923	67.46320	11.74380	67.42985	17.31910	38.40030	0.0	0.0	55.71940
10.2436E00	13.7914	64.18890	11.74210	64.15555	16.19370	36.25310	0.0	0.0	52.44680
10.2523E00	13.7906	63.11530	11.74020	63.08196	14.99690	36.37820	0.0	0.0	51.37510
10.2610E00	13.7897	58.81880	11.73840	58.78546	13.77080	33.30960	0.0	0.0	47.08040
10.2697E00	13.7889	52.27720	11.73650	52.24387	12.55320	27.98750	0.0	0.0	40.54070
10.2785E00	13.7880	53.05970	11.73470	53.02637	11.36250	29.96250	0.0	0.0	41.32500
10.2872E00	13.7872	52.20130	11.73310	52.16798	10.25030	30.21790	0.0	0.0	40.46820
10.2960E00	13.7863	51.01720	11.73150	50.98388	9.20850	30.07720	0.0	0.0	39.28570
10.3048E00	13.7855	49.12110	11.73010	49.08779	8.26110	29.12990	0.0	0.0	37.39100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.1399E00	13.8016	0.0	0.0	54.16420	0.00284	2.43000	0.44910	1.67690	0.00218
10.1485E00	13.8008	0.0	0.0	58.53760	0.00284	2.43000	0.43820	1.68960	0.00218
10.1570E00	13.7999	0.0	0.0	58.22290	0.00284	2.43000	0.47490	1.64760	0.00218
10.1656E00	13.7991	0.0	0.0	62.56680	0.00284	2.43000	0.45280	1.67260	0.00218
10.1743E00	13.7982	0.0	0.0	66.56810	0.00284	2.43000	0.43120	1.69790	0.00219
10.1829E00	13.7974	0.0	0.0	65.52770	0.00284	2.43000	0.45120	1.67450	0.00219
10.1915E00	13.7965	0.0	0.0	64.25130	0.00284	2.43000	0.46670	1.65680	0.00219
10.2002E00	13.7957	0.0	0.0	58.59530	0.00284	2.43000	0.52850	1.58970	0.00219
10.2088E00	13.7948	0.0	0.0	66.66740	0.00284	2.43000	0.42360	1.70700	0.00219
10.2175E00	13.7940	0.0	0.0	59.47550	0.00284	2.43000	0.47600	1.64630	0.00219
10.2262E00	13.7931	0.0	0.0	58.60640	0.00284	2.43000	0.45510	1.67000	0.00219
10.2349E00	13.7923	0.0	0.0	55.71940	0.00284	2.43000	0.45100	1.67470	0.00219
10.2436E00	13.7914	0.0	0.0	52.44680	0.00284	2.43000	0.44670	1.67970	0.00219
10.2523E00	13.7906	0.0	0.0	51.37510	0.00284	2.43000	0.41220	1.72070	0.00219
10.2610E00	13.7897	0.0	0.0	47.08040	0.00284	2.43000	0.41340	1.71920	0.00219
10.2697E00	13.7889	0.0	0.0	40.54070	0.00284	2.43000	0.44850	1.67760	0.00220
10.2785E00	13.7880	0.0	0.0	41.32500	0.00284	2.43000	0.37920	1.76190	0.00220
10.2872E00	13.7872	0.0	0.0	40.46820	0.00284	2.43000	0.33920	1.81450	0.00220
10.2960E00	13.7863	0.0	0.0	39.28570	0.00284	2.43000	0.30620	1.86040	0.00220
10.3048E00	13.7855	0.0	0.0	37.39100	0.00284	2.43000	0.28360	1.89310	0.00220

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.3136E00	13.7846	45.21330	11.72890	45.17999	7.41230	26.07210	0.0	0.0	33.48440
10.3224E00	13.7838	44.45040	11.72780	44.41709	6.66160	26.06100	0.0	0.0	32.72260
10.3312E00	13.7829	43.78130	11.72690	43.74800	6.00450	26.04990	0.0	0.0	32.05440
10.3400E00	13.7821	41.34860	11.72620	41.31530	5.43400	24.18840	0.0	0.0	29.62240
10.3488E00	13.7812	39.39970	11.72550	39.36640	4.94160	22.73260	0.0	0.0	27.67420
10.3577E00	13.7804	36.30820	11.72500	36.27490	4.51380	20.06940	0.0	0.0	24.58320
10.3666E00	13.7795	35.67480	11.72460	35.64150	4.14720	19.80300	0.0	0.0	23.95020
10.3754E00	13.7787	36.67160	11.72430	36.63830	3.83640	21.11090	0.0	0.0	24.94730
10.3843E00	13.7778	39.56390	11.72400	39.53060	3.56660	24.27330	0.0	0.0	27.83990
10.3932E00	13.7769	32.19930	11.72380	32.16600	3.33450	17.14100	0.0	0.0	20.47550
10.4021E00	13.7761	33.57300	11.72370	33.53970	3.13430	18.71500	0.0	0.0	21.84930
10.4110E00	13.7752	31.41720	11.72360	31.38390	2.96090	16.73270	0.0	0.0	19.69360
10.4199E00	13.7744	32.17630	11.72350	32.14301	2.81030	17.64250	0.0	0.0	20.45280
10.4289E00	13.7735	33.87840	11.72350	33.84511	2.67750	19.47740	0.0	0.0	22.15490
10.4378E00	13.7727	33.23540	11.72360	33.20210	2.56270	18.94910	0.0	0.0	21.51180
10.4468E00	13.7718	34.43400	11.72360	34.40070	2.46070	20.24970	0.0	0.0	22.71040
10.4558E00	13.7709	28.82150	11.72370	28.78820	2.37090	14.72690	0.0	0.0	17.09780
10.4648E00	13.7701	33.06690	11.72380	33.03360	2.29170	19.05140	0.0	0.0	21.34310
10.4737E00	13.7692	31.69180	11.72390	31.65850	2.22240	17.74550	0.0	0.0	19.96790
10.4828E00	13.7684	31.86550	11.72400	31.83220	2.15960	17.98190	0.0	0.0	20.14150

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.3136E00	13.7846	0.0	0.0	33.48440	0.00284	2.43000	0.28430	1.89210	0.00220
10.3224E00	13.7838	0.0	0.0	32.72260	0.00284	2.43000	0.25560	1.93530	0.00220
10.3312E00	13.7829	0.0	0.0	32.05440	0.00284	2.43000	0.23050	1.97480	0.00220
10.3400E00	13.7821	0.0	0.0	29.62240	0.00284	2.43000	0.22470	1.98420	0.00220
10.3488E00	13.7812	0.0	0.0	27.67420	0.00284	2.43000	0.21740	1.99610	0.00220
10.3577E00	13.7804	0.0	0.0	24.58320	0.00284	2.43000	0.22490	1.98380	0.00221
10.3666E00	13.7795	0.0	0.0	23.95020	0.00284	2.43000	0.20940	2.00920	0.00221
10.3754E00	13.7787	0.0	0.0	24.94730	0.00284	2.43000	0.18170	2.05630	0.00221
10.3843E00	13.7778	0.0	0.0	27.83990	0.00284	2.43000	0.14690	2.11870	0.00221
10.3932E00	13.7769	0.0	0.0	20.47550	0.00284	2.43000	0.19450	2.03430	0.00221
10.4021E00	13.7761	0.0	0.0	21.84930	0.00284	2.43000	0.16750	2.08140	0.00221
10.4110E00	13.7752	0.0	0.0	19.69360	0.00284	2.43000	0.17700	2.06460	0.00221
10.4199E00	13.7744	0.0	0.0	20.45280	0.00284	2.43000	0.15930	2.09610	0.00221
10.4289E00	13.7735	0.0	0.0	22.15490	0.00284	2.43000	0.13750	2.13630	0.00221
10.4378E00	13.7727	0.0	0.0	21.51180	0.00284	2.43000	0.13520	2.14050	0.00221
10.4468E00	13.7718	0.0	0.0	22.71040	0.00284	2.43000	0.12150	2.16670	0.00221
10.4558E00	13.7709	0.0	0.0	17.09780	0.00284	2.43000	0.16100	2.09300	0.00222
10.4648E00	13.7701	0.0	0.0	21.34310	0.00284	2.43000	0.12030	2.16910	0.00222
10.4737E00	13.7692	0.0	0.0	19.96790	0.00284	2.43000	0.12520	2.15950	0.00222
10.4828E00	13.7684	0.0	0.0	20.14150	0.00284	2.43000	0.12010	2.16950	0.00222

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.4918E00	13.7675	29.44410	11.72420	29.41080	2.10450	15.61540	0.0	0.0	17.71990
10.5008E00	13.7666	31.61980	11.72430	31.58650	2.05560	17.83990	0.0	0.0	19.89550
10.5098E00	13.7658	29.07330	11.72450	29.04000	2.01210	15.33670	0.0	0.0	17.34880
10.5189E00	13.7649	30.60970	11.72470	30.57640	1.97310	16.91190	0.0	0.0	18.88500
10.5280E00	13.7641	33.04910	11.72490	33.01580	1.93860	19.38560	0.0	0.0	21.32420
10.5370E00	13.7632	28.55610	11.72510	28.52280	1.90840	14.92260	0.0	0.0	16.83100
10.5461E00	13.7623	31.53450	11.72540	31.50120	1.88140	17.92770	0.0	0.0	19.80910
10.5552E00	13.7615	28.24060	11.72560	28.20730	1.85770	14.65730	0.0	0.0	16.51500
10.5644E00	13.7606	29.26290	11.72590	29.22960	1.83690	15.70020	0.0	0.0	17.53700
10.5735E00	13.7597	26.87660	11.72610	26.84330	1.81900	13.33150	0.0	0.0	15.15050
10.5826E00	13.7589	30.64290	11.72640	30.60960	1.80360	17.11290	0.0	0.0	18.91650
10.5918E00	13.7580	28.14920	11.72670	28.11590	1.79040	14.63210	0.0	0.0	16.42250
10.6009E00	13.7572	30.60470	11.72700	30.57140	1.77950	17.09820	0.0	0.0	18.87770
10.6101E00	13.7563	30.33690	11.72730	30.30359	1.77060	16.83900	0.0	0.0	18.60960
10.6193E00	13.7554	27.71150	11.72760	27.67819	1.76360	14.22030	0.0	0.0	15.98390
10.6285E00	13.7546	27.82930	11.72790	27.79599	1.75840	14.34300	0.0	0.0	16.10140
10.6377E00	13.7537	31.33370	11.72830	31.30039	1.75500	17.85040	0.0	0.0	19.60540
10.6469E00	13.7528	26.51280	11.72860	26.47949	1.75310	13.03110	0.0	0.0	14.78420
10.6561E00	13.7520	28.45860	11.72900	28.42529	1.75280	14.97680	0.0	0.0	16.72960
10.6654E00	13.7511	26.62880	11.72940	26.59549	1.75400	13.14540	0.0	0.0	14.89940

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.4918E00	13.7675	0.0	0.0	17.71990	0.00284	2.43000	0.13480	2.14140	0.00222
10.5008E00	13.7666	0.0	0.0	19.89550	0.00284	2.43000	0.11520	2.17890	0.00222
10.5098E00	13.7658	0.0	0.0	17.34880	0.00284	2.43000	0.13120	2.14820	0.00222
10.5189E00	13.7649	0.0	0.0	18.88500	0.00284	2.43000	0.11670	2.17610	0.00222
10.5280E00	13.7641	0.0	0.0	21.32420	0.00284	2.43000	0.10000	2.20910	0.00222
10.5370E00	13.7632	0.0	0.0	16.83100	0.00284	2.43000	0.12790	2.15450	0.00222
10.5461E00	13.7623	0.0	0.0	19.80910	0.00284	2.43000	0.10490	2.19920	0.00223
10.5552E00	13.7615	0.0	0.0	16.51500	0.00284	2.43000	0.12670	2.15670	0.00223
10.5644E00	13.7606	0.0	0.0	17.53700	0.00284	2.43000	0.11700	2.17550	0.00223
10.5735E00	13.7597	0.0	0.0	15.15050	0.00284	2.43000	0.13640	2.13830	0.00223
10.5826E00	13.7589	0.0	0.0	18.91650	0.00284	2.43000	0.10540	2.19830	0.00223
10.5918E00	13.7580	0.0	0.0	16.42250	0.00284	2.43000	0.12240	2.16510	0.00223
10.6009E00	13.7572	0.0	0.0	18.87770	0.00284	2.43000	0.10410	2.20090	0.00223
10.6101E00	13.7563	0.0	0.0	18.60960	0.00284	2.43000	0.10520	2.19880	0.00223
10.6193E00	13.7554	0.0	0.0	15.98390	0.00284	2.43000	0.12400	2.16190	0.00223
10.6285E00	13.7546	0.0	0.0	16.10140	0.00284	2.43000	0.12260	2.16460	0.00223
10.6377E00	13.7537	0.0	0.0	19.60540	0.00284	2.43000	0.09830	2.21250	0.00223
10.6469E00	13.7528	0.0	0.0	14.78420	0.00284	2.43000	0.13450	2.14180	0.00224
10.6561E00	13.7520	0.0	0.0	16.72960	0.00284	2.43000	0.11700	2.17540	0.00224
10.6654E00	13.7511	0.0	0.0	14.89940	0.00284	2.43000	0.13340	2.14390	0.00224

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.6746E00	13.7502	28.83900	11.72970	28.80569	1.75670	15.35260	0.0	0.0	17.10930
10.6839E00	13.7494	29.49140	11.73010	29.45809	1.76070	16.00060	0.0	0.0	17.76130
10.6932E00	13.7485	32.08060	11.73060	32.04729	1.76610	18.58390	0.0	0.0	20.35000
10.7025E00	13.7476	31.56300	11.73100	31.52968	1.77280	18.05920	0.0	0.0	19.83200
10.7118E00	13.7467	28.18730	11.73140	28.15398	1.78080	14.67510	0.0	0.0	16.45590
10.7211E00	13.7459	25.98250	11.73190	25.94918	1.79000	12.46060	0.0	0.0	14.25060
10.7304E00	13.7450	29.88640	11.73230	29.85308	1.80050	16.35360	0.0	0.0	18.15410
10.7398E00	13.7441	27.19800	11.63280	27.16496	1.81240	13.75280	0.0	0.0	15.56520
10.7491E00	13.7433	32.61870	11.73330	32.58538	1.82530	19.06010	0.0	0.0	20.88540
10.7585E00	13.7424	25.88740	11.73380	25.85408	1.83960	12.31400	0.0	0.0	14.15360
10.7679E00	13.7415	28.35120	11.73430	28.31787	1.85510	14.76180	0.0	0.0	16.61690
10.7773E00	13.7407	28.36210	11.73490	28.32877	1.87180	14.75540	0.0	0.0	16.62720
10.7867E00	13.7398	30.57560	11.73550	30.54227	1.88980	16.95030	0.0	0.0	18.84010
10.7961E00	13.7389	28.91100	11.73600	28.87767	1.90900	15.26600	0.0	0.0	17.17500
10.8055E00	13.7380	28.27740	11.73660	28.24407	1.92950	14.61130	0.0	0.0	16.54080
10.8149E00	13.7372	29.84420	11.73720	29.81087	1.95120	16.15580	0.0	0.0	18.10700
10.8244E00	13.7363	29.60880	11.73790	29.57546	1.97450	15.89640	0.0	0.0	17.87090
10.8339E00	13.7354	29.36590	11.73850	29.33256	1.99920	15.62820	0.0	0.0	17.62740
10.8433E00	13.7345	27.83670	11.73920	27.80336	2.02490	14.07260	0.0	0.0	16.09750
10.8528E00	13.7337	29.79230	11.73990	29.75896	2.05230	16.00010	0.0	0.0	18.05240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.6746E00	13.7502	0.0	0.0	17.10930	0.00284	2.43000	0.11440	2.18050	0.00224
10.6839E00	13.7494	0.0	0.0	17.76130	0.00284	2.43000	0.11000	2.18910	0.00224
10.6932E00	13.7485	0.0	0.0	20.35000	0.00284	2.43000	0.09500	2.21910	0.00224
10.7025E00	13.7476	0.0	0.0	19.83200	0.00284	2.43000	0.09820	2.21280	0.00224
10.7118E00	13.7467	0.0	0.0	16.45590	0.00284	2.43000	0.12130	2.16700	0.00224
10.7211E00	13.7459	0.0	0.0	14.25060	0.00284	2.43000	0.14370	2.12480	0.00224
10.7304E00	13.7450	0.0	0.0	18.15410	0.00284	2.43000	0.11010	2.18900	0.00224
10.7398E00	13.7441	0.0	0.0	15.56520	0.00284	2.43000	0.13180	2.14710	0.00225
10.7491E00	13.7433	0.0	0.0	20.88540	0.00284	2.43000	0.09580	2.21760	0.00225
10.7585E00	13.7424	0.0	0.0	14.15360	0.00284	2.43000	0.14940	2.11420	0.00225
10.7679E00	13.7415	0.0	0.0	16.61690	0.00284	2.43000	0.12570	2.15870	0.00225
10.7773E00	13.7407	0.0	0.0	16.62720	0.00284	2.43000	0.12690	2.15640	0.00225
10.7867E00	13.7398	0.0	0.0	18.84010	0.00284	2.43000	0.11150	2.18630	0.00225
10.7961E00	13.7389	0.0	0.0	17.17500	0.00284	2.43000	0.12510	2.15990	0.00225
10.8055E00	13.7380	0.0	0.0	16.54080	0.00284	2.43000	0.13210	2.14650	0.00225
10.8149E00	13.7372	0.0	0.0	18.10700	0.00284	2.43000	0.12080	2.16810	0.00225
10.8244E00	13.7363	0.0	0.0	17.87090	0.00284	2.43000	0.12420	2.16150	0.00225
10.8339E00	13.7354	0.0	0.0	17.62740	0.00284	2.43000	0.12790	2.15440	0.00226
10.8433E00	13.7345	0.0	0.0	16.09750	0.00284	2.43000	0.14390	2.12430	0.00226
10.8528E00	13.7337	0.0	0.0	18.05240	0.00284	2.43000	0.12830	2.15370	0.00226

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
10.8623E00	13.7328	32.13590	11.74060	32.10256	2.08110	18.31420	0.0	0.0	20.39530
10.8718E00	13.7319	28.93220	11.74140	28.89885	2.11150	15.07930	0.0	0.0	17.19080
10.8814E00	13.7310	28.44620	11.74220	28.41285	2.14370	14.56030	0.0	0.0	16.70400
10.8909E00	13.7302	27.50440	11.74300	27.47105	2.17710	13.58430	0.0	0.0	15.76140
10.9004E00	13.7293	28.69140	11.74380	28.65805	2.21220	14.73540	0.0	0.0	16.94760
10.9100E00	13.7284	29.23460	11.74470	29.20125	2.24940	15.24050	0.0	0.0	17.48990
10.9196E00	13.7275	27.72450	11.74560	27.69114	2.28840	13.69050	0.0	0.0	15.97890
10.9292E00	13.7267	28.06890	11.74610	28.03554	2.25410	14.06870	0.0	0.0	16.32280
10.9388E00	13.7258	31.30360	11.74710	31.27024	2.29810	17.25840	0.0	0.0	19.55650
10.9484E00	13.7249	27.90070	11.74810	27.86734	2.34410	13.80850	0.0	0.0	16.15260
10.9580E00	13.7240	31.13680	11.74910	31.10343	2.39220	16.99550	0.0	0.0	19.38770
10.9677E00	13.7231	29.26690	11.75020	29.23353	2.44310	15.07360	0.0	0.0	17.51670
10.9773E00	13.7223	27.52740	11.75130	27.49403	2.49590	13.28020	0.0	0.0	15.77610
10.9870E00	13.7214	30.89100	11.75250	30.85762	2.55160	16.58690	0.0	0.0	19.13850
10.9967E00	13.7205	26.60410	11.75380	26.57072	2.61010	12.24020	0.0	0.0	14.85030
11.0063E00	13.7196	28.19770	11.75500	28.16432	2.67060	13.77210	0.0	0.0	16.44270
11.0160E00	13.7187	27.10620	11.75630	27.07281	2.73480	12.61510	0.0	0.0	15.34990
11.0258E00	13.7179	27.30250	11.75770	27.26911	2.80280	12.74200	0.0	0.0	15.54480
11.0355E00	13.7170	28.12760	11.75920	28.09420	2.87340	13.49500	0.0	0.0	16.36840
11.0452E00	13.7161	29.85520	11.76070	29.82180	2.94750	15.14700	0.0	0.0	18.09450

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
10.8623E00	13.7328	0.0	0.0	20.39530	0.00284	2.43000	0.11360	2.18200	0.00226
10.8718E00	13.7319	0.0	0.0	17.19080	0.00284	2.43000	0.14000	2.13150	0.00226
10.8814E00	13.7310	0.0	0.0	16.70400	0.00284	2.43000	0.14720	2.11820	0.00226
10.8909E00	13.7302	0.0	0.0	15.76140	0.00284	2.43000	0.16030	2.09430	0.00226
10.9004E00	13.7293	0.0	0.0	16.94760	0.00284	2.43000	0.15010	2.11280	0.00226
10.9100E00	13.7284	0.0	0.0	17.48990	0.00284	2.43000	0.14760	2.11750	0.00226
10.9196E00	13.7275	0.0	0.0	15.97890	0.00284	2.43000	0.16720	2.08200	0.00226
10.9292E00	13.7267	0.0	0.0	16.32280	0.00284	2.43000	0.16020	2.09440	0.00227
10.9388E00	13.7258	0.0	0.0	19.55650	0.00284	2.43000	0.13320	2.14450	0.00227
10.9484E00	13.7249	0.0	0.0	16.15260	0.00284	2.43000	0.16980	2.07740	0.00227
10.9580E00	13.7240	0.0	0.0	19.38770	0.00284	2.43000	0.14080	2.13020	0.00227
10.9677E00	13.7231	0.0	0.0	17.51670	0.00284	2.43000	0.16210	2.09110	0.00227
10.9773E00	13.7223	0.0	0.0	15.77610	0.00284	2.43000	0.18790	2.04560	0.00227
10.9870E00	13.7214	0.0	0.0	19.13850	0.00284	2.43000	0.15380	2.10600	0.00227
10.9967E00	13.7205	0.0	0.0	14.85030	0.00284	2.43000	0.21320	2.00290	0.00227
11.0063E00	13.7196	0.0	0.0	16.44270	0.00284	2.43000	0.19390	2.03530	0.00227
11.0160E00	13.7187	0.0	0.0	15.34990	0.00284	2.43000	0.21680	1.99710	0.00227
11.0258E00	13.7179	0.0	0.0	15.54480	0.00284	2.43000	0.22000	1.99190	0.00228
11.0355E00	13.7170	0.0	0.0	16.36840	0.00284	2.43000	0.21290	2.00340	0.00228
11.0452E00	13.7161	0.0	0.0	18.09450	0.00284	2.43000	0.19460	2.03420	0.00228

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.0550E00	13.7152	26.10610	11.76230	26.07270	3.02620	11.31760	0.0	0.0	14.34380
11.0648E00	13.7143	28.10050	11.76400	28.06709	3.10890	13.22760	0.0	0.0	16.33650
11.0745E00	13.7135	26.65310	11.76570	26.61969	3.19510	11.69230	0.0	0.0	14.88740
11.0843E00	13.7126	27.12290	11.76750	27.08948	3.28680	12.06860	0.0	0.0	15.35540
11.0941E00	13.7117	28.99340	11.76940	28.95997	3.38340	13.84060	0.0	0.0	17.22400
11.1040E00	13.7108	25.79730	11.77150	25.76387	3.48640	10.53940	0.0	0.0	14.02580
11.1138E00	13.7099	28.93810	11.77360	28.90466	3.59410	13.57040	0.0	0.0	17.16450
11.1236E00	13.7090	26.64350	11.77580	26.61006	3.70800	11.15970	0.0	0.0	14.86770
11.1335E00	13.7081	29.54690	11.77820	29.51345	3.82970	13.93900	0.0	0.0	17.76870
11.1434E00	13.7072	28.41400	11.78070	28.38054	3.95870	12.67460	0.0	0.0	16.63330
11.1533E00	13.7064	29.17680	11.78330	29.14334	4.09570	13.29780	0.0	0.0	17.39350
11.1632E00	13.7055	34.13190	11.78610	34.09843	4.24120	18.10460	0.0	0.0	22.34580
11.1731E00	13.7046	29.47110	11.78910	29.43762	4.39600	13.28600	0.0	0.0	17.68200
11.1830E00	13.7037	30.76670	11.79220	30.73321	4.56100	14.41350	0.0	0.0	18.97450
11.1929E00	13.7028	29.93250	11.79560	29.89900	4.73710	13.39980	0.0	0.0	18.13690
11.2029E00	13.7019	28.98790	11.79920	28.95439	4.92720	12.26150	0.0	0.0	17.18870
11.2128E00	13.7010	29.31040	11.80300	29.27688	5.12890	12.37850	0.0	0.0	17.50740
11.2228E00	13.7001	28.14260	11.80710	28.10907	5.34760	10.98790	0.0	0.0	16.33550
11.2328E00	13.6993	33.54210	11.81150	33.50856	5.58280	16.14780	0.0	0.0	21.73060
11.2428E00	13.6984	28.75300	11.81630	28.71944	5.83630	11.10040	0.0	0.0	16.93670

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.0550E00	13.7152	0.0	0.0	14.34380	0.00284	2.43000	0.26740	1.91730	0.00228
11.0648E00	13.7143	0.0	0.0	16.33650	0.00284	2.43000	0.23500	1.96760	0.00228
11.0745E00	13.7135	0.0	0.0	14.88740	0.00284	2.43000	0.27330	1.90850	0.00228
11.0843E00	13.7126	0.0	0.0	15.35540	0.00284	2.43000	0.27230	1.90990	0.00228
11.0941E00	13.7117	0.0	0.0	17.22400	0.00284	2.43000	0.24450	1.95270	0.00228
11.1040E00	13.7108	0.0	0.0	14.02580	0.00284	2.43000	0.33080	1.82600	0.00228
11.1138E00	13.7099	0.0	0.0	17.16450	0.00284	2.43000	0.26490	1.92120	0.00228
11.1236E00	13.7090	0.0	0.0	14.86770	0.00284	2.43000	0.33230	1.82400	0.00229
11.1335E00	13.7081	0.0	0.0	17.76870	0.00284	2.43000	0.27470	1.90630	0.00229
11.1434E00	13.7072	0.0	0.0	16.63330	0.00284	2.43000	0.31230	1.85170	0.00229
11.1533E00	13.7064	0.0	0.0	17.39350	0.00284	2.43000	0.30800	1.85780	0.00229
11.1632E00	13.7055	0.0	0.0	22.34580	0.00284	2.43000	0.23430	1.96880	0.00229
11.1731E00	13.7046	0.0	0.0	17.68200	0.00284	2.43000	0.33090	1.82590	0.00229
11.1830E00	13.7037	0.0	0.0	18.97450	0.00284	2.43000	0.31640	1.84590	0.00229
11.1929E00	13.7028	0.0	0.0	18.13690	0.00284	2.43000	0.35350	1.79530	0.00229
11.2029E00	13.7019	0.0	0.0	17.18870	0.00284	2.43000	0.40180	1.73340	0.00229
11.2128E00	13.7010	0.0	0.0	17.50740	0.00284	2.43000	0.41430	1.71810	0.00229
11.2228E00	13.7001	0.0	0.0	16.33550	0.00284	2.43000	0.48670	1.63450	0.00230
11.2328E00	13.6993	0.0	0.0	21.73060	0.00284	2.43000	0.34570	1.80570	0.00230
11.2428E00	13.6984	0.0	0.0	16.93670	0.00284	2.43000	0.52580	1.59260	0.00230

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.2528E00	13.6975	32.43450	11.82140	32.40093	6.11030	14.50280	0.0	0.0	20.61310
11.2629E00	13.6966	29.58380	11.82690	29.55021	6.41010	11.34680	0.0	0.0	17.75690
11.2729E00	13.6957	30.02930	11.83290	29.99569	6.73260	11.46380	0.0	0.0	18.19640
11.2830E00	13.6948	33.53250	11.83940	33.49888	7.08760	14.60550	0.0	0.0	21.69310
11.2930E00	13.6939	30.77190	11.84650	30.73826	7.47180	11.45360	0.0	0.0	18.92540
11.3031E00	13.6930	32.46140	11.85430	32.42773	7.89750	12.70960	0.0	0.0	20.60710
11.3132E00	13.6921	35.19570	11.86290	35.16201	8.36630	14.96650	0.0	0.0	23.33280
11.3233E00	13.6912	33.95470	11.87230	33.92098	8.88480	13.19760	0.0	0.0	22.08240
11.3335E00	13.6903	37.80600	11.88290	37.77225	9.46690	16.45620	0.0	0.0	25.92310
11.3436E00	13.6894	35.94850	11.89450	35.91472	10.11110	13.94290	0.0	0.0	24.05400
11.3538E00	13.6885	40.06970	11.90770	40.03588	10.84210	17.31990	0.0	0.0	28.16200
11.3639E00	13.6877	38.63800	11.92250	38.60414	11.66080	15.05470	0.0	0.0	26.71550
11.3741E00	13.6868	37.83480	11.93940	37.80089	12.60280	13.29260	0.0	0.0	25.89540
11.3843E00	13.6859	40.18470	11.95880	40.15074	13.68560	14.54030	0.0	0.0	28.22590
11.3945E00	13.6850	40.95920	11.98120	40.92517	14.94190	14.03610	0.0	0.0	28.97800
11.4047E00	13.6841	44.44820	12.00750	44.41410	16.41510	16.02560	0.0	0.0	32.44070
11.4150E00	13.6832	45.36350	12.03890	45.32931	18.18230	15.14230	0.0	0.0	33.32460
11.4252E00	13.6823	48.13450	12.07630	48.10020	20.28950	15.76870	0.0	0.0	36.05820
11.4355E00	13.6814	48.89920	12.12230	48.86477	22.89010	13.88680	0.0	0.0	36.77690
11.4458E00	13.6805	54.93140	12.17940	54.89681	26.12260	16.62940	0.0	0.0	42.75200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.2528E00	13.6975	0.0	0.0	20.61310	0.00284	2.43000	0.42130	1.70970	0.00230
11.2629E00	13.6966	0.0	0.0	17.75690	0.00284	2.43000	0.56490	1.55280	0.00230
11.2729E00	13.6957	0.0	0.0	18.19640	0.00284	2.43000	0.58730	1.53090	0.00230
11.2830E00	13.6948	0.0	0.0	21.69310	0.00284	2.43000	0.48530	1.63610	0.00230
11.2930E00	13.6939	0.0	0.0	18.92540	0.00284	2.43000	0.65240	1.47060	0.00230
11.3031E00	13.6930	0.0	0.0	20.60710	0.00284	2.43000	0.62140	1.49870	0.00230
11.3132E00	13.6921	0.0	0.0	23.33280	0.00284	2.43000	0.55900	1.55870	0.00230
11.3233E00	13.6912	0.0	0.0	22.08240	0.00284	2.43000	0.67320	1.45230	0.00231
11.3335E00	13.6903	0.0	0.0	25.92310	0.00284	2.43000	0.57530	1.54260	0.00231
11.3436E00	13.6894	0.0	0.0	24.05400	0.00284	2.43000	0.72520	1.40860	0.00231
11.3538E00	13.6885	0.0	0.0	28.16200	0.00284	2.43000	0.62600	1.49450	0.00231
11.3639E00	13.6877	0.0	0.0	26.71550	0.00284	2.43000	0.77460	1.36940	0.00231
11.3741E00	13.6868	0.0	0.0	25.89540	0.00284	2.43000	0.94810	1.24740	0.00231
11.3843E00	13.6859	0.0	0.0	28.22590	0.00284	2.43000	0.94120	1.25180	0.00231
11.3945E00	13.6850	0.0	0.0	28.97800	0.00284	2.43000	1.06450	1.17700	0.00231
11.4047E00	13.6841	0.0	0.0	32.44070	0.00284	2.43000	1.02430	1.20040	0.00231
11.4150E00	13.6832	0.0	0.0	33.32460	0.00284	2.43000	1.20080	1.10420	0.00232
11.4252E00	13.6823	0.0	0.0	36.05820	0.00284	2.43000	1.28670	1.06270	0.00232
11.4355E00	13.6814	0.0	0.0	36.77690	0.00284	2.43000	1.64830	0.91760	0.00232
11.4458E00	13.6805	0.0	0.0	42.75200	0.00284	2.43000	1.57090	0.94520	0.00232

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.4560E00	13.6796	59.65430	12.25070	59.61951	30.16120	17.24240	0.0	0.0	47.40360
11.4664E00	13.6787	61.77860	12.34370	61.74354	35.44280	13.99210	0.0	0.0	49.43490
11.4767E00	13.6778	68.69310	12.46340	68.65770	42.24390	13.98580	0.0	0.0	56.22970
11.4870E00	13.6769	82.35850	12.61990	82.32266	51.14750	18.59110	0.0	0.0	69.73860
11.4973E00	13.6760	93.98610	12.82500	93.94968	62.82310	18.33800	0.0	0.0	81.16110
11.5077E00	13.6751	112.50300	13.09520	112.46600	78.21560	21.19210	0.0	0.0	99.40770
11.5181E00	13.6742	132.58000	13.44360	132.54200	98.07470	21.06170	0.0	0.0	119.13600
11.5285E00	13.6733	161.50900	13.88440	161.47000	123.20600	24.41860	0.0	0.0	147.62500
11.5389E00	13.6724	194.56500	14.42910	194.52400	154.26800	25.86780	0.0	0.0	180.13600
11.5493E00	13.6715	236.48500	15.08460	236.44200	191.65500	29.74610	0.0	0.0	221.40100
11.5597E00	13.6706	280.55600	15.85060	280.51100	235.34900	29.35620	0.0	0.0	264.70600
11.5702E00	13.6697	334.78800	16.72500	334.74000	285.23600	32.82670	0.0	0.0	318.06300
11.5806E00	13.6688	395.77600	17.66660	395.72600	338.95600	39.15330	0.0	0.0	378.11000
11.5911E00	13.6679	460.74000	18.65340	460.68700	395.25200	46.83410	0.0	0.0	442.08600
11.6016E00	13.6670	526.94100	19.62300	526.88500	450.57000	56.74800	0.0	0.0	507.31800
11.6121E00	13.6660	579.63700	20.51410	579.57900	501.40000	57.72300	0.0	0.0	559.12300
11.6226E00	13.6651	628.93700	21.26380	628.87700	544.15100	63.52230	0.0	0.0	607.67300
11.6331E00	13.6642	664.53800	21.81400	664.47600	575.51600	67.20830	0.0	0.0	642.72400
11.6437E00	13.6633	693.67600	22.12060	693.61300	592.96300	78.59250	0.0	0.0	671.55500
11.6542E00	13.6624	690.73400	22.15070	690.67100	594.61700	73.96680	0.0	0.0	668.58400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.4560E00	13.6796	0.0	0.0	47.40360	0.00284	2.43000	1.74920	0.88390	0.00232
11.4664E00	13.6787	0.0	0.0	49.43490	0.00284	2.43000	2.53310	0.68780	0.00232
11.4767E00	13.6778	0.0	0.0	56.22970	0.00284	2.43000	3.02050	0.60440	0.00232
11.4870E00	13.6769	0.0	0.0	69.73860	0.00284	2.43000	2.75120	0.64780	0.00232
11.4973E00	13.6760	0.0	0.0	81.16110	0.00284	2.43000	3.42580	0.54900	0.00232
11.5077E00	13.6751	0.0	0.0	99.40770	0.00284	2.43000	3.69080	0.51800	0.00232
11.5181E00	13.6742	0.0	0.0	119.13600	0.00284	2.43000	4.65650	0.42960	0.00233
11.5285E00	13.6733	0.0	0.0	147.62500	0.00284	2.43000	5.04560	0.40190	0.00233
11.5389E00	13.6724	0.0	0.0	180.13600	0.00284	2.43000	5.96370	0.34900	0.00233
11.5493E00	13.6715	0.0	0.0	221.40100	0.00284	2.43000	6.44300	0.32650	0.00233
11.5597E00	13.6706	0.0	0.0	264.70600	0.00284	2.43000	8.01700	0.26950	0.00233
11.5702E00	13.6697	0.0	0.0	318.06300	0.00284	2.43000	8.68910	0.25080	0.00233
11.5806E00	13.6688	0.0	0.0	378.11000	0.00284	2.43000	8.65720	0.25160	0.00233
11.5911E00	13.6679	0.0	0.0	442.08600	0.00284	2.43000	8.43940	0.25740	0.00233
11.6016E00	13.6670	0.0	0.0	507.31800	0.00284	2.43000	7.93980	0.27180	0.00233
11.6121E00	13.6660	0.0	0.0	559.12300	0.00284	2.43000	8.68630	0.25090	0.00233
11.6226E00	13.6651	0.0	0.0	607.67300	0.00284	2.43000	8.56630	0.25400	0.00234
11.6331E00	13.6642	0.0	0.0	642.72400	0.00284	2.43000	8.56320	0.25410	0.00234
11.6437E00	13.6633	0.0	0.0	671.55500	0.00284	2.43000	7.54480	0.28440	0.00234
11.6542E00	13.6624	0.0	0.0	668.58400	0.00284	2.43000	8.03900	0.26880	0.00234

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.6648E00	13.6615	674.83600	21.90220	674.77300	580.36200	72.57180	0.0	0.0	652.93300
11.6754E00	13.6606	641.02000	21.39650	640.95900	551.41600	68.20750	0.0	0.0	619.62300
11.6860E00	13.6597	595.93200	20.67750	595.87300	510.29300	64.96160	0.0	0.0	575.25400
11.6966E00	13.6588	542.30100	19.80320	542.24500	460.29400	62.20410	0.0	0.0	522.49800
11.7072E00	13.6579	475.35900	18.83780	475.30600	405.09200	51.42940	0.0	0.0	456.52200
11.7179E00	13.6570	410.24900	17.83600	410.19900	347.80500	44.60820	0.0	0.0	392.41300
11.7286E00	13.6561	354.45800	16.86490	354.41000	292.26400	45.32960	0.0	0.0	337.59300
11.7392E00	13.6552	295.97300	15.97700	295.92700	241.47800	38.51730	0.0	0.0	279.99600
11.7499E00	13.6543	242.26100	15.18400	242.21800	196.10100	30.97600	0.0	0.0	227.07700
11.7606E00	13.6533	192.84800	14.50760	192.80700	157.37700	20.96300	0.0	0.0	178.34000
11.7713E00	13.6524	164.70800	13.94880	164.66800	125.36100	25.39830	0.0	0.0	150.75900
11.7821E00	13.6515	130.54200	13.49650	130.50400	99.42300	17.62270	0.0	0.0	117.04600
11.7928E00	13.6506	109.83500	13.14660	109.79700	79.32370	17.36420	0.0	0.0	96.68790
11.8036E00	13.6497	93.28110	12.87680	93.24453	63.79020	16.61410	0.0	0.0	80.40430
11.8144E00	13.6488	80.63780	12.67410	80.60181	52.08740	15.87630	0.0	0.0	67.96370
11.8251E00	13.6479	70.68530	12.52450	70.64973	43.40260	14.75820	0.0	0.0	58.16080
11.8360E00	13.6469	63.33020	12.41110	63.29495	36.77810	14.14100	0.0	0.0	50.91910
11.8468E00	13.6460	57.67610	12.32730	57.64109	31.83600	13.51280	0.0	0.0	45.34880
11.8576E00	13.6451	54.32980	12.26430	54.29497	28.06810	13.99740	0.0	0.0	42.06550
11.8685E00	13.6442	50.12280	12.21610	50.08811	25.13480	12.77190	0.0	0.0	37.90670

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.6648E00	13.6615	0.0	0.0	652.93300	0.00284	2.43000	7.99710	0.27010	0.00234
11.6754E00	13.6606	0.0	0.0	619.62300	0.00284	2.43000	8.08440	0.26750	0.00234
11.6860E00	13.6597	0.0	0.0	575.25400	0.00284	2.43000	7.85530	0.27440	0.00234
11.6966E00	13.6588	0.0	0.0	522.49800	0.00284	2.43000	7.39970	0.28930	0.00234
11.7072E00	13.6579	0.0	0.0	456.52200	0.00284	2.43000	7.87670	0.27380	0.00234
11.7179E00	13.6570	0.0	0.0	392.41300	0.00284	2.43000	7.79690	0.27620	0.00235
11.7286E00	13.6561	0.0	0.0	337.59300	0.00284	2.43000	6.44750	0.32630	0.00235
11.7392E00	13.6552	0.0	0.0	279.99600	0.00284	2.43000	6.26930	0.33430	0.00235
11.7499E00	13.6543	0.0	0.0	227.07700	0.00284	2.43000	6.33080	0.33150	0.00235
11.7606E00	13.6533	0.0	0.0	178.34000	0.00284	2.43000	7.50740	0.28560	0.00235
11.7713E00	13.6524	0.0	0.0	150.75900	0.00284	2.43000	4.93580	0.40940	0.00235
11.7821E00	13.6515	0.0	0.0	117.04600	0.00284	2.43000	5.64180	0.36590	0.00235
11.7928E00	13.6506	0.0	0.0	96.68790	0.00284	2.43000	4.56820	0.43640	0.00235
11.8036E00	13.6497	0.0	0.0	80.40430	0.00284	2.43000	3.83950	0.50210	0.00235
11.8144E00	13.6488	0.0	0.0	67.96370	0.00284	2.43000	3.28080	0.56760	0.00236
11.8251E00	13.6479	0.0	0.0	58.16080	0.00284	2.43000	2.94090	0.61660	0.00236
11.8360E00	13.6469	0.0	0.0	50.91910	0.00284	2.43000	2.60080	0.67480	0.00236
11.8468E00	13.6460	0.0	0.0	45.34880	0.00284	2.43000	2.35600	0.72410	0.00236
11.8576E00	13.6451	0.0	0.0	42.06550	0.00284	2.43000	2.00520	0.80860	0.00236
11.8685E00	13.6442	0.0	0.0	37.90670	0.00284	2.43000	1.96800	0.81870	0.00236

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.8793E00	13.6433	48.30080	12.17970	48.26621	22.86470	13.25640	0.0	0.0	36.12110
11.8902E00	13.6424	46.57640	12.15160	46.54189	21.05560	13.36920	0.0	0.0	34.42480
11.9011E00	13.6415	47.43560	12.13030	47.40115	19.61740	15.68790	0.0	0.0	35.30530
11.9120E00	13.6405	48.61130	12.11430	48.57690	18.46940	18.02760	0.0	0.0	36.49700
11.9229E00	13.6396	46.45660	12.10270	46.42223	17.55380	16.80010	0.0	0.0	34.35390
11.9339E00	13.6387	42.91080	12.09480	42.87645	16.82280	13.99320	0.0	0.0	30.81600
11.9448E00	13.6378	46.11130	12.09000	46.07696	16.25870	17.76260	0.0	0.0	34.02130
11.9558E00	13.6369	46.02970	12.08810	45.99537	15.82850	18.11310	0.0	0.0	33.94160
11.9668E00	13.6360	42.07220	12.08880	42.03787	15.52100	14.46240	0.0	0.0	29.98340
11.9778E00	13.6350	41.38360	12.09200	41.34926	15.32410	13.96750	0.0	0.0	29.29160
11.9888E00	13.6341	45.29660	12.09750	45.26224	15.22940	17.96970	0.0	0.0	33.19910
11.9998E00	13.6332	46.62910	12.10540	46.59472	15.23140	19.29230	0.0	0.0	34.52370
12.0109E00	13.6323	48.55430	12.11580	48.51989	15.32860	21.10990	0.0	0.0	36.43850
12.0220E00	13.6314	46.55480	12.12860	46.52035	15.52080	18.90540	0.0	0.0	34.42620
12.0330E00	13.6304	47.26570	12.14420	47.23121	15.85580	19.26570	0.0	0.0	35.12150
12.0441E00	13.6295	47.91330	12.16260	47.87876	16.24610	19.50460	0.0	0.0	35.75070
12.0552E00	13.6286	51.56610	12.18430	51.53150	16.74400	22.63780	0.0	0.0	39.38180
12.0664E00	13.6277	50.02290	12.20970	49.98822	17.36510	20.44810	0.0	0.0	37.81320
12.0775E00	13.6268	56.96090	12.23890	56.92614	18.11110	26.61090	0.0	0.0	44.72200
12.0887E00	13.6258	58.13190	12.27320	58.09704	19.01270	26.84600	0.0	0.0	45.85870

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.8793E00	13.6433	0.0	0.0	36.12110	0.00284	2.43000	1.72480	0.89180	0.00236
11.8902E00	13.6424	0.0	0.0	34.42480	0.00284	2.43000	1.57490	0.94370	0.00236
11.9011E00	13.6415	0.0	0.0	35.30530	0.00284	2.43000	1.25050	1.07980	0.00236
11.9120E00	13.6405	0.0	0.0	36.49700	0.00284	2.43000	1.02450	1.20030	0.00236
11.9229E00	13.6396	0.0	0.0	34.35390	0.00284	2.43000	1.04490	1.18830	0.00237
11.9339E00	13.6387	0.0	0.0	30.81600	0.00284	2.43000	1.20220	1.10340	0.00237
11.9448E00	13.6378	0.0	0.0	34.02130	0.00284	2.43000	0.91530	1.26870	0.00237
11.9558E00	13.6369	0.0	0.0	33.94160	0.00284	2.43000	0.87390	1.29680	0.00237
11.9668E00	13.6360	0.0	0.0	29.98340	0.00284	2.43000	1.07320	1.17210	0.00237
11.9778E00	13.6350	0.0	0.0	29.29160	0.00284	2.43000	1.09710	1.15870	0.00237
11.9888E00	13.6341	0.0	0.0	33.19910	0.00284	2.43000	0.84750	1.31530	0.00237
11.9998E00	13.6332	0.0	0.0	34.52370	0.00284	2.43000	0.78950	1.35790	0.00237
12.0109E00	13.6323	0.0	0.0	36.43850	0.00284	2.43000	0.72610	1.40780	0.00237
12.0220E00	13.6314	0.0	0.0	34.42620	0.00284	2.43000	0.82100	1.33450	0.00238
12.0330E00	13.6304	0.0	0.0	35.12150	0.00284	2.43000	0.82300	1.33300	0.00238
12.0441E00	13.6295	0.0	0.0	35.75070	0.00284	2.43000	0.83290	1.32570	0.00238
12.0552E00	13.6286	0.0	0.0	39.38180	0.00284	2.43000	0.73960	1.39680	0.00238
12.0664E00	13.6277	0.0	0.0	37.81320	0.00284	2.43000	0.84920	1.31410	0.00238
12.0775E00	13.6268	0.0	0.0	44.72200	0.00284	2.43000	0.68060	1.44590	0.00238
12.0887E00	13.6258	0.0	0.0	45.85870	0.00284	2.43000	0.70820	1.42250	0.00238

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
12.0998E00	13.6249	58.61830	12.31260	58.58333	20.07590	26.22980	0.0	0.0	46.30570
12.1110E00	13.6240	58.47180	12.35890	58.43670	21.34920	24.76370	0.0	0.0	46.11290
12.1222E00	13.6231	63.64630	12.41300	63.61105	22.86210	28.37120	0.0	0.0	51.23330
12.1334E00	13.6221	66.34980	12.47680	66.31437	24.66510	29.20790	0.0	0.0	53.87300
12.1447E00	13.6212	69.68150	12.55330	69.64585	26.84630	30.28190	0.0	0.0	57.12820
12.1559E00	13.6203	72.97170	12.64420	72.93579	29.45730	30.87020	0.0	0.0	60.32750
12.1672E00	13.6194	81.45970	12.75520	81.42348	32.66820	36.03630	0.0	0.0	68.70450
12.1784E00	13.6184	86.58430	12.89020	86.54769	36.58830	37.10570	0.0	0.0	73.69410
12.1897E00	13.6175	93.58940	13.05930	93.55231	41.51690	39.01320	0.0	0.0	80.53010
12.2011E00	13.6166	107.16200	13.27420	107.12400	47.79800	46.08930	0.0	0.0	93.88730
12.2124E00	13.6156	124.15000	13.54550	124.11200	55.74620	54.85860	0.0	0.0	110.60500
12.2237E00	13.6147	136.12500	13.89370	136.08500	65.96210	56.26900	0.0	0.0	122.23100
12.2351E00	13.6138	156.47400	14.34680	156.43400	79.26930	62.85830	0.0	0.0	142.12800
12.2465E00	13.6129	188.71800	14.93050	188.67500	96.42750	77.35980	0.0	0.0	173.78700
12.2578E00	13.6119	221.93400	15.66850	221.89000	118.13400	88.13180	0.0	0.0	206.26600
12.2692E00	13.6110	260.55400	16.60380	260.50700	145.65600	98.29420	0.0	0.0	243.95100
12.2807E00	13.6101	314.97800	17.76690	314.92700	179.89200	117.31900	0.0	0.0	297.21100
12.2921E00	13.6091	374.72700	19.15260	374.67300	220.68400	134.89100	0.0	0.0	355.57500
12.3036E00	13.6082	453.08300	20.78350	453.02400	268.70300	163.59700	0.0	0.0	432.30000
12.3150E00	13.6073	537.14300	22.60660	537.07900	322.38500	192.15100	0.0	0.0	514.53600

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
12.0998E00	13.6249	0.0	0.0	46.30570	0.00284	2.43000	0.76540	1.37650	0.00238
12.1110E00	13.6240	0.0	0.0	46.11290	0.00284	2.43000	0.86210	1.30500	0.00238
12.1222E00	13.6231	0.0	0.0	51.23330	0.00284	2.43000	0.80580	1.34560	0.00239
12.1334E00	13.6221	0.0	0.0	53.87300	0.00284	2.43000	0.84450	1.31750	0.00239
12.1447E00	13.6212	0.0	0.0	57.12820	0.00284	2.43000	0.88650	1.28810	0.00239
12.1559E00	13.6203	0.0	0.0	60.32750	0.00284	2.43000	0.95420	1.24350	0.00239
12.1672E00	13.6194	0.0	0.0	68.70450	0.00284	2.43000	0.90650	1.27460	0.00239
12.1784E00	13.6184	0.0	0.0	73.69410	0.00284	2.43000	0.98610	1.22350	0.00239
12.1897E00	13.6175	0.0	0.0	80.53010	0.00284	2.43000	1.06420	1.17720	0.00239
12.2011E00	13.6166	0.0	0.0	93.88730	0.00284	2.43000	1.03710	1.19290	0.00239
12.2124E00	13.6156	0.0	0.0	110.60500	0.00284	2.43000	1.01620	1.20520	0.00239
12.2237E00	13.6147	0.0	0.0	122.23100	0.00284	2.43000	1.17230	1.11860	0.00240
12.2351E00	13.6138	0.0	0.0	142.12800	0.00284	2.43000	1.26110	1.07470	0.00240
12.2465E00	13.6129	0.0	0.0	173.78700	0.00284	2.43000	1.24650	1.08170	0.00240
12.2578E00	13.6119	0.0	0.0	206.26600	0.00284	2.43000	1.34040	1.03830	0.00240
12.2692E00	13.6110	0.0	0.0	243.95100	0.00284	2.43000	1.48180	0.97910	0.00240
12.2807E00	13.6101	0.0	0.0	297.21100	0.00284	2.43000	1.53340	0.95920	0.00240
12.2921E00	13.6091	0.0	0.0	355.57500	0.00284	2.43000	1.63600	0.92180	0.00240
12.3036E00	13.6082	0.0	0.0	432.30000	0.00284	2.43000	1.64250	0.91960	0.00240
12.3150E00	13.6073	0.0	0.0	514.53600	0.00284	2.43000	1.67780	0.90750	0.00240

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
12.3265E00	13.6063	634.83400	24.59900	634.76400	381.05500	229.18000	0.0	0.0	610.23500
12.3380E00	13.6054	733.91200	26.65750	733.83600	441.67800	265.57600	0.0	0.0	707.25400
12.3495E00	13.6045	823.41300	28.66590	823.33100	500.82400	293.92300	0.0	0.0	794.74700
12.3611E00	13.6035	905.92900	30.50460	905.84200	554.97300	320.45100	0.0	0.0	875.42400
12.3726E00	13.6026	982.15100	32.00400	982.06000	599.13100	351.01600	0.0	0.0	950.14700
12.3842E00	13.6017	1033.04500	33.06480	1032.95100	630.37000	369.61000	0.0	0.0	999.98000
12.3958E00	13.6007	1077.12900	33.57730	1077.03300	645.46100	398.09000	0.0	0.0	1043.55100
12.4074E00	13.5998	1039.88900	33.49350	1039.79400	642.98700	363.40800	0.0	0.0	1006.39500
12.4190E00	13.5989	1006.36200	32.82130	1006.26900	623.18100	350.36000	0.0	0.0	973.54100
12.4306E00	13.5979	954.67000	31.62280	954.58000	587.87700	335.17000	0.0	0.0	923.04700
12.4423E00	13.5970	865.03800	29.98820	864.95200	539.72600	295.32300	0.0	0.0	835.04900
12.4539E00	13.5961	767.06500	28.07840	766.98600	483.47100	255.51600	0.0	0.0	738.98700
12.4656E00	13.5951	682.23100	26.00430	682.15700	422.38200	233.84500	0.0	0.0	656.22700
12.4773E00	13.5942	583.85600	23.91860	583.78800	360.95000	198.98800	0.0	0.0	559.93800
12.4890E00	13.5932	484.81600	21.93490	484.75400	302.52900	160.35200	0.0	0.0	462.88100
12.5007E00	13.5923	407.08200	20.13440	407.02500	249.50500	137.44300	0.0	0.0	386.94800
12.5125E00	13.5914	334.79900	18.55070	334.74600	202.87300	113.37500	0.0	0.0	316.24800
12.5242E00	13.5904	278.41500	17.22690	278.36600	163.89900	97.28840	0.0	0.0	261.18800
12.5360E00	13.5895	220.87500	16.13360	220.82900	131.72300	73.01820	0.0	0.0	204.74100
12.5478E00	13.5886	185.64300	15.26120	185.60000	106.05600	64.32560	0.0	0.0	170.38200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
12.3265E00	13.6063	0.0	0.0	610.23500	0.00284	2.43000	1.66270	0.91260	0.00241
12.3380E00	13.6054	0.0	0.0	707.25400	0.00284	2.43000	1.66310	0.91250	0.00241
12.3495E00	13.6045	0.0	0.0	794.74700	0.00284	2.43000	1.70390	0.89870	0.00241
12.3611E00	13.6035	0.0	0.0	875.42400	0.00284	2.43000	1.73180	0.88950	0.00241
12.3726E00	13.6026	0.0	0.0	950.14700	0.00284	2.43000	1.70680	0.89770	0.00241
12.3842E00	13.6017	0.0	0.0	999.98000	0.00284	2.43000	1.70550	0.89820	0.00241
12.3958E00	13.6007	0.0	0.0	1043.55100	0.00284	2.43000	1.62140	0.92700	0.00241
12.4074E00	13.5998	0.0	0.0	1006.39500	0.00284	2.43000	1.76930	0.87750	0.00241
12.4190E00	13.5989	0.0	0.0	973.54100	0.00284	2.43000	1.77870	0.87450	0.00241
12.4306E00	13.5979	0.0	0.0	923.04700	0.00284	2.43000	1.75400	0.88240	0.00242
12.4423E00	13.5970	0.0	0.0	835.04900	0.00284	2.43000	1.82760	0.85940	0.00242
12.4539E00	13.5961	0.0	0.0	738.98700	0.00284	2.43000	1.89210	0.84020	0.00242
12.4656E00	13.5951	0.0	0.0	656.22700	0.00284	2.43000	1.80620	0.86590	0.00242
12.4773E00	13.5942	0.0	0.0	559.93800	0.00284	2.43000	1.81390	0.86360	0.00242
12.4890E00	13.5932	0.0	0.0	462.88100	0.00284	2.43000	1.88670	0.84180	0.00242
12.5007E00	13.5923	0.0	0.0	386.94800	0.00284	2.43000	1.81530	0.86310	0.00242
12.5125E00	13.5914	0.0	0.0	316.24800	0.00284	2.43000	1.78940	0.87120	0.00242
12.5242E00	13.5904	0.0	0.0	261.18800	0.00284	2.43000	1.68470	0.90510	0.00242
12.5360E00	13.5895	0.0	0.0	204.74100	0.00284	2.43000	1.80400	0.86660	0.00243
12.5478E00	13.5886	0.0	0.0	170.38200	0.00284	2.43000	1.64870	0.91740	0.00243

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
12.5596E00	13.5876	150.26200	14.57840	150.22100	85.98220	49.70150	0.0	0.0	135.68400
12.5715E00	13.5867	132.07700	14.04690	132.03700	70.37150	47.65870	0.0	0.0	118.03000
12.5833E00	13.5857	112.20300	13.64220	112.16400	58.50440	40.05590	0.0	0.0	98.56030
12.5952E00	13.5848	99.13110	13.32810	99.09325	49.31630	36.48670	0.0	0.0	85.80300
12.6071E00	13.5838	86.80150	13.08460	86.76434	42.22120	31.49570	0.0	0.0	73.71690
12.6189E00	13.5829	79.08590	12.89500	79.04928	36.72560	29.46530	0.0	0.0	66.19090
12.6309E00	13.5819	69.30890	12.74190	69.27271	32.43360	24.13340	0.0	0.0	56.56700
12.6428E00	13.5810	70.06190	12.61900	70.02606	28.94480	28.49810	0.0	0.0	57.44290
12.6547E00	13.5801	65.59530	12.51820	65.55975	26.13290	26.94420	0.0	0.0	53.07710
12.6667E00	13.5791	59.41910	12.43380	59.38379	23.83570	23.14960	0.0	0.0	46.98530
12.6787E00	13.5782	55.23090	12.36280	55.19579	21.97340	20.89470	0.0	0.0	42.86810
12.6907E00	13.5772	54.13160	12.30250	54.09666	20.46990	21.35920	0.0	0.0	41.82910
12.7027E00	13.5763	54.87930	12.25090	54.84451	19.27040	23.35800	0.0	0.0	42.62840
12.7147E00	13.5753	55.88710	12.20620	55.85243	18.33440	25.34650	0.0	0.0	43.68090
12.7268E00	13.5744	54.64180	12.16700	54.60725	17.62520	24.84960	0.0	0.0	42.47480
12.7388E00	13.5734	59.05780	12.13300	59.02334	17.12780	29.79700	0.0	0.0	46.92480
12.7509E00	13.5725	51.63670	12.10280	51.60233	16.80820	22.72570	0.0	0.0	39.53390
12.7630E00	13.5715	55.90850	12.07610	55.87420	16.64440	27.18800	0.0	0.0	43.83240
12.7751E00	13.5706	59.58760	12.05230	59.55337	16.60560	30.92970	0.0	0.0	47.53530
12.7873E00	13.5696	61.02090	12.03090	60.98673	16.65720	32.33280	0.0	0.0	48.99000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
12.5596E00	13.5876	0.0	0.0	135.68400	0.00284	2.43000	1.73000	0.89010	0.00243
12.5715E00	13.5867	0.0	0.0	118.03000	0.00284	2.43000	1.47660	0.98120	0.00243
12.5833E00	13.5857	0.0	0.0	98.56030	0.00284	2.43000	1.46060	0.98760	0.00243
12.5952E00	13.5848	0.0	0.0	85.80300	0.00284	2.43000	1.35160	1.03330	0.00243
12.6071E00	13.5838	0.0	0.0	73.71690	0.00284	2.43000	1.34050	1.03820	0.00243
12.6189E00	13.5829	0.0	0.0	66.19090	0.00284	2.43000	1.24640	1.08170	0.00243
12.6309E00	13.5819	0.0	0.0	56.56700	0.00284	2.43000	1.34390	1.03670	0.00244
12.6428E00	13.5810	0.0	0.0	57.44290	0.00284	2.43000	1.01570	1.20560	0.00244
12.6547E00	13.5801	0.0	0.0	53.07710	0.00284	2.43000	0.96990	1.23360	0.00244
12.6667E00	13.5791	0.0	0.0	46.98530	0.00284	2.43000	1.02960	1.19730	0.00244
12.6787E00	13.5782	0.0	0.0	42.86810	0.00284	2.43000	1.05160	1.18440	0.00244
12.6907E00	13.5772	0.0	0.0	41.82910	0.00284	2.43000	0.95840	1.24080	0.00244
12.7027E00	13.5763	0.0	0.0	42.62840	0.00284	2.43000	0.82500	1.33150	0.00244
12.7147E00	13.5753	0.0	0.0	43.68090	0.00284	2.43000	0.72330	1.41000	0.00244
12.7268E00	13.5744	0.0	0.0	42.47480	0.00284	2.43000	0.70930	1.42170	0.00244
12.7388E00	13.5734	0.0	0.0	46.92480	0.00284	2.43000	0.57480	1.54300	0.00245
12.7509E00	13.5725	0.0	0.0	39.53390	0.00284	2.43000	0.73960	1.39690	0.00245
12.7630E00	13.5715	0.0	0.0	43.83240	0.00284	2.43000	0.61220	1.50730	0.00245
12.7751E00	13.5706	0.0	0.0	47.53530	0.00284	2.43000	0.53690	1.58110	0.00245
12.7873E00	13.5696	0.0	0.0	48.99000	0.00284	2.43000	0.51520	1.60380	0.00245

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
12.7994E00	13.5687	57.90950	12.01190	57.87539	16.75820	29.13940	0.0	0.0	45.89760
12.8116E00	13.5677	62.21900	11.99450	62.18494	16.86630	33.35820	0.0	0.0	50.22450
12.8238E00	13.5668	61.43090	11.97870	61.39688	16.93640	32.51580	0.0	0.0	49.45220
12.8360E00	13.5658	65.85200	11.96420	65.81802	16.92720	36.96060	0.0	0.0	53.88780
12.8482E00	13.5649	67.81040	11.95080	67.77646	16.80470	39.05490	0.0	0.0	55.85960
12.8605E00	13.5639	63.87860	11.93820	63.84470	16.54310	35.39730	0.0	0.0	51.94040
12.8727E00	13.5630	62.04480	11.92650	62.01093	16.13700	33.98130	0.0	0.0	50.11830
12.8850E00	13.5620	63.44830	11.91550	63.41446	15.58420	35.94860	0.0	0.0	51.53280
12.8973E00	13.5611	61.34430	11.90510	61.31049	14.90550	34.53370	0.0	0.0	49.43920
12.9096E00	13.5601	63.34730	11.89520	63.31352	14.12940	37.32270	0.0	0.0	51.45210
12.9219E00	13.5592	56.04770	11.88600	56.01394	13.29130	30.87040	0.0	0.0	44.16170
12.9343E00	13.5582	49.89910	11.87720	49.86537	12.42150	25.60040	0.0	0.0	38.02190
12.9466E00	13.5573	51.13100	11.86910	51.09729	11.56980	27.69210	0.0	0.0	39.26190
12.9590E00	13.5563	49.59620	11.86140	49.56251	10.75320	26.98160	0.0	0.0	37.73480
12.9714E00	13.5553	43.68090	11.85430	43.64723	10.00290	21.82370	0.0	0.0	31.82660
12.9838E00	13.5544	44.16210	11.84780	44.12845	9.33530	22.97890	0.0	0.0	32.31430
12.9962E00	13.5534	41.01230	11.84170	40.97867	8.76020	20.41040	0.0	0.0	29.17060
13.0087E00	13.5525	41.44070	11.83610	41.40709	8.27800	21.32660	0.0	0.0	29.60460
13.0212E00	13.5515	41.97540	11.83090	41.94180	7.89420	22.25030	0.0	0.0	30.14450
13.0337E00	13.5506	39.46060	11.82620	39.42701	7.60790	20.02650	0.0	0.0	27.63440

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
12.7994E00	13.5687	0.0	0.0	45.89760	0.00284	2.43000	0.57510	1.54280	0.00245
12.8116E00	13.5677	0.0	0.0	50.22450	0.00284	2.43000	0.50560	1.61400	0.00245
12.8238E00	13.5668	0.0	0.0	49.45220	0.00284	2.43000	0.52090	1.59780	0.00245
12.8360E00	13.5658	0.0	0.0	53.88780	0.00284	2.43000	0.45800	1.66670	0.00245
12.8482E00	13.5649	0.0	0.0	55.85960	0.00284	2.43000	0.43030	1.69900	0.00246
12.8605E00	13.5639	0.0	0.0	51.94040	0.00284	2.43000	0.46740	1.65600	0.00246
12.8727E00	13.5630	0.0	0.0	50.11830	0.00284	2.43000	0.47490	1.64760	0.00246
12.8850E00	13.5620	0.0	0.0	51.53280	0.00284	2.43000	0.43350	1.69510	0.00246
12.8973E00	13.5611	0.0	0.0	49.43920	0.00284	2.43000	0.43160	1.69740	0.00246
12.9096E00	13.5601	0.0	0.0	51.45210	0.00284	2.43000	0.37860	1.76270	0.00246
12.9219E00	13.5592	0.0	0.0	44.16170	0.00284	2.43000	0.43060	1.69860	0.00246
12.9343E00	13.5582	0.0	0.0	38.02190	0.00284	2.43000	0.48520	1.63610	0.00246
12.9466E00	13.5573	0.0	0.0	39.26190	0.00284	2.43000	0.41780	1.71390	0.00247
12.9590E00	13.5563	0.0	0.0	37.73480	0.00284	2.43000	0.39850	1.73750	0.00247
12.9714E00	13.5553	0.0	0.0	31.82660	0.00284	2.43000	0.45840	1.66630	0.00247
12.9838E00	13.5544	0.0	0.0	32.31430	0.00284	2.43000	0.40630	1.72800	0.00247
12.9962E00	13.5534	0.0	0.0	29.17060	0.00284	2.43000	0.42920	1.70020	0.00247
13.0087E00	13.5525	0.0	0.0	29.60460	0.00284	2.43000	0.38820	1.75050	0.00247
13.0212E00	13.5515	0.0	0.0	30.14450	0.00284	2.43000	0.35480	1.79360	0.00247
13.0337E00	13.5506	0.0	0.0	27.63440	0.00284	2.43000	0.37990	1.76100	0.00247

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.0462E00	13.5496	41.93720	11.82190	41.90363	7.41840	22.69690	0.0	0.0	30.11530
13.0587E00	13.5486	38.38360	11.81810	38.35004	7.32750	19.23800	0.0	0.0	26.56550
13.0712E00	13.5477	38.68940	11.81470	38.65585	7.34170	19.53300	0.0	0.0	26.87470
13.0838E00	13.5467	38.97450	11.80930	38.94096	7.50880	19.65640	0.0	0.0	27.16520
13.0964E00	13.5458	39.25720	11.80700	39.22367	7.80330	19.64690	0.0	0.0	27.45020
13.1090E00	13.5448	38.57850	11.80540	38.54497	8.27630	18.49680	0.0	0.0	26.77310
13.1216E00	13.5438	43.83060	11.80460	43.79707	8.97760	23.04840	0.0	0.0	32.02600
13.1342E00	13.5429	39.22870	11.80460	39.19517	9.97160	17.45250	0.0	0.0	27.42410
13.1469E00	13.5419	45.11800	11.80560	45.08447	11.34800	21.96440	0.0	0.0	33.31240
13.1595E00	13.5410	46.39710	11.80800	46.36357	13.16730	21.42180	0.0	0.0	34.58910
13.1722E00	13.5400	51.48800	11.81180	51.45445	15.53420	24.14200	0.0	0.0	39.67620
13.1849E00	13.5390	55.80420	11.81730	55.77064	18.49050	25.49640	0.0	0.0	43.98690
13.1976E00	13.5381	63.55110	11.82440	63.51752	22.05030	29.67640	0.0	0.0	51.72670
13.2104E00	13.5371	65.21200	11.83310	65.17839	26.20130	27.17760	0.0	0.0	53.37890
13.2231E00	13.5361	70.43810	11.84290	70.40447	30.74870	27.84650	0.0	0.0	58.59520
13.2359E00	13.5352	73.06570	11.85330	73.03204	35.53710	25.67530	0.0	0.0	61.21240
13.2487E00	13.5342	78.19850	11.86370	78.16481	40.21850	26.11630	0.0	0.0	66.33480
13.2615E00	13.5332	86.14920	11.87290	86.11548	44.42710	29.84920	0.0	0.0	74.27630
13.2744E00	13.5323	90.54790	11.88010	90.51416	47.81480	30.85300	0.0	0.0	78.66780
13.2872E00	13.5313	92.16160	11.88440	92.12785	50.00420	30.27300	0.0	0.0	80.27720

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.0462E00	13.5496	0.0	0.0	30.11530	0.00284	2.43000	0.32680	1.83140	0.00247
13.0587E00	13.5486	0.0	0.0	26.56550	0.00284	2.43000	0.38090	1.75970	0.00248
13.0712E00	13.5477	0.0	0.0	26.87470	0.00284	2.43000	0.37590	1.76620	0.00248
13.0838E00	13.5467	0.0	0.0	27.16520	0.00284	2.43000	0.38200	1.75830	0.00248
13.0964E00	13.5458	0.0	0.0	27.45020	0.00284	2.43000	0.39720	1.73920	0.00248
13.1090E00	13.5448	0.0	0.0	26.77310	0.00284	2.43000	0.44740	1.67880	0.00248
13.1216E00	13.5438	0.0	0.0	32.02600	0.00284	2.43000	0.38950	1.74880	0.00248
13.1342E00	13.5429	0.0	0.0	27.42410	0.00284	2.43000	0.57140	1.54640	0.00248
13.1469E00	13.5419	0.0	0.0	33.31240	0.00284	2.43000	0.51670	1.60220	0.00248
13.1595E00	13.5410	0.0	0.0	34.58910	0.00284	2.43000	0.61470	1.50500	0.00249
13.1722E00	13.5400	0.0	0.0	39.67620	0.00284	2.43000	0.64350	1.47860	0.00249
13.1849E00	13.5390	0.0	0.0	43.98690	0.00284	2.43000	0.72520	1.40850	0.00249
13.1976E00	13.5381	0.0	0.0	51.72670	0.00284	2.43000	0.74300	1.39410	0.00249
13.2104E00	13.5371	0.0	0.0	53.37890	0.00284	2.43000	0.96410	1.23720	0.00249
13.2231E00	13.5361	0.0	0.0	58.59520	0.00284	2.43000	1.10420	1.15480	0.00249
13.2359E00	13.5352	0.0	0.0	61.21240	0.00284	2.43000	1.38410	1.01930	0.00249
13.2487E00	13.5342	0.0	0.0	66.33480	0.00284	2.43000	1.54000	0.95670	0.00249
13.2615E00	13.5332	0.0	0.0	74.27630	0.00284	2.43000	1.48840	0.97650	0.00250
13.2744E00	13.5323	0.0	0.0	78.66780	0.00284	2.43000	1.54980	0.95300	0.00250
13.2872E00	13.5313	0.0	0.0	80.27720	0.00284	2.43000	1.65180	0.91640	0.00250

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.3001E00	13.5303	95.55160	11.88520	95.51785	50.80310	32.86330	0.0	0.0	83.66640
13.3130E00	13.5294	92.91530	11.88240	92.88155	50.10950	30.92340	0.0	0.0	81.03290
13.3259E00	13.5284	90.11550	11.87610	90.08177	48.01040	30.22900	0.0	0.0	78.23940
13.3388E00	13.5274	82.74810	11.86690	82.71440	44.74100	26.14020	0.0	0.0	70.88120
13.3518E00	13.5264	79.26660	11.85560	79.23293	40.60480	26.80620	0.0	0.0	67.41100
13.3647E00	13.5255	72.31950	11.84340	72.28586	36.05450	24.42160	0.0	0.0	60.47610
13.3777E00	13.5245	70.01900	11.83100	69.98540	31.40780	26.78020	0.0	0.0	58.18800
13.3907E00	13.5235	64.49360	11.81950	64.46003	27.03560	25.63850	0.0	0.0	52.67410
13.4037E00	13.5226	60.73460	11.80940	60.70106	23.18710	25.73810	0.0	0.0	48.92520
13.4168E00	13.5216	57.97550	11.80120	57.94198	19.99550	26.17880	0.0	0.0	46.17430
13.4299E00	13.5206	56.88710	11.79510	56.85360	17.57250	27.51950	0.0	0.0	45.09200
13.4429E00	13.5196	49.73380	11.79150	49.70031	15.95920	21.98310	0.0	0.0	37.94230
13.4560E00	13.5187	54.09100	11.79020	54.05752	15.14610	27.15470	0.0	0.0	42.30080
13.4691E00	13.5177	51.96910	11.79160	51.93561	15.17500	25.00250	0.0	0.0	40.17750
13.4823E00	13.5167	54.24700	11.75910	54.21360	15.13640	27.35150	0.0	0.0	42.48790
13.4954E00	13.5157	54.41360	11.76800	54.38018	17.10670	25.53890	0.0	0.0	42.64560
13.5086E00	13.5148	59.34700	11.78120	59.31354	20.24090	27.32490	0.0	0.0	47.56580
13.5218E00	13.5138	66.70060	11.79920	66.66709	24.66920	30.23220	0.0	0.0	54.90140
13.5350E00	13.5128	74.45040	11.82240	74.41682	30.49970	32.12830	0.0	0.0	62.62800
13.5483E00	13.5118	82.90870	11.85130	82.87504	37.82270	33.23470	0.0	0.0	71.05740

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.3001E00	13.5303	0.0	0.0	83.66640	0.00284	2.43000	1.54590	0.95450	0.00250
13.3130E00	13.5294	0.0	0.0	81.03290	0.00284	2.43000	1.62040	0.92730	0.00250
13.3259E00	13.5284	0.0	0.0	78.23940	0.00284	2.43000	1.58820	0.93890	0.00250
13.3388E00	13.5274	0.0	0.0	70.88120	0.00284	2.43000	1.71160	0.89620	0.00250
13.3518E00	13.5264	0.0	0.0	67.41100	0.00284	2.43000	1.51480	0.96630	0.00250
13.3647E00	13.5255	0.0	0.0	60.47610	0.00284	2.43000	1.47630	0.98130	0.00250
13.3777E00	13.5245	0.0	0.0	58.18800	0.00284	2.43000	1.17280	1.11840	0.00251
13.3907E00	13.5235	0.0	0.0	52.67410	0.00284	2.43000	1.05450	1.18280	0.00251
13.4037E00	13.5226	0.0	0.0	48.92520	0.00284	2.43000	0.90090	1.27840	0.00251
13.4168E00	13.5216	0.0	0.0	46.17430	0.00284	2.43000	0.76380	1.37770	0.00251
13.4299E00	13.5206	0.0	0.0	45.09200	0.00284	2.43000	0.63850	1.48300	0.00251
13.4429E00	13.5196	0.0	0.0	37.94230	0.00284	2.43000	0.72600	1.40790	0.00251
13.4560E00	13.5187	0.0	0.0	42.30080	0.00284	2.43000	0.55780	1.55990	0.00251
13.4691E00	13.5177	0.0	0.0	40.17750	0.00284	2.43000	0.60700	1.51220	0.00251
13.4823E00	13.5167	0.0	0.0	42.48790	0.00284	2.43000	0.55340	1.56430	0.00252
13.4954E00	13.5157	0.0	0.0	42.64560	0.00284	2.43000	0.66980	1.45520	0.00252
13.5086E00	13.5148	0.0	0.0	47.56580	0.00284	2.43000	0.74080	1.39590	0.00252
13.5218E00	13.5138	0.0	0.0	54.90140	0.00284	2.43000	0.81600	1.33810	0.00252
13.5350E00	13.5128	0.0	0.0	62.62800	0.00284	2.43000	0.94930	1.24660	0.00252
13.5483E00	13.5118	0.0	0.0	71.05740	0.00284	2.43000	1.13800	1.13660	0.00252

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.5615E00	13.5109	91.74840	11.88500	91.71465	46.41960	33.44380	0.0	0.0	79.86340
13.5748E00	13.5099	102.36100	11.92290	102.32700	56.10440	34.33400	0.0	0.0	90.43840
13.5881E00	13.5089	115.56000	11.96260	115.52600	66.25570	37.34200	0.0	0.0	103.59800
13.6014E00	13.5079	125.31700	12.00110	125.28300	76.10380	37.21250	0.0	0.0	113.31600
13.6147E00	13.5069	134.55800	12.03520	134.52400	84.77020	37.75260	0.0	0.0	122.52300
13.6281E00	13.5060	147.04800	12.06170	147.01300	91.43060	43.55540	0.0	0.0	134.98600
13.6682E00	13.5030	155.52300	12.07200	155.48900	93.14330	50.30760	0.0	0.0	143.45100
13.6817E00	13.5020	148.95500	12.05160	148.92000	87.40150	49.50150	0.0	0.0	136.90300
13.6951E00	13.5011	144.25200	12.02270	144.21800	79.40380	52.82520	0.0	0.0	132.22900
13.7086E00	13.5001	138.49900	11.98840	138.46500	69.90590	56.60480	0.0	0.0	126.51100
13.7221E00	13.4991	127.18200	11.95230	127.14800	59.88940	55.34060	0.0	0.0	115.23000
13.7356E00	13.4981	117.65200	11.91780	117.61800	50.19950	55.53460	0.0	0.0	105.73400
13.7491E00	13.4971	109.43800	11.88730	109.40400	41.47950	56.07090	0.0	0.0	97.55040
13.7627E00	13.4961	106.09400	11.86240	106.06000	34.06410	60.16750	0.0	0.0	94.23160
13.7762E00	13.4952	99.85760	11.84390	99.82396	28.20990	59.80380	0.0	0.0	88.01370
13.7898E00	13.4942	96.52470	11.83160	96.49110	23.80660	60.88650	0.0	0.0	84.69310
13.8034E00	13.4932	97.34710	11.82540	97.31352	20.77320	64.74850	0.0	0.0	85.52170
13.8171E00	13.4922	95.90090	11.82460	95.86732	18.91320	65.16310	0.0	0.0	84.07630
13.8307E00	13.4912	99.00820	11.82860	98.97461	18.05020	69.12940	0.0	0.0	87.17960
13.8444E00	13.4902	103.59200	11.83800	103.55900	18.10640	73.64800	0.0	0.0	91.75440

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.5615E00	13.5109	0.0	0.0	79.86340	0.00284	2.43000	1.38800	1.01760	0.00252
13.5748E00	13.5099	0.0	0.0	90.43840	0.00284	2.43000	1.63410	0.92250	0.00252
13.5881E00	13.5089	0.0	0.0	103.59800	0.00284	2.43000	1.77430	0.87590	0.00253
13.6014E00	13.5079	0.0	0.0	113.31600	0.00284	2.43000	2.04510	0.79800	0.00253
13.6147E00	13.5069	0.0	0.0	122.52300	0.00284	2.43000	2.24540	0.74870	0.00253
13.6281E00	13.5060	0.0	0.0	134.98600	0.00284	2.43000	2.09920	0.78410	0.00253
13.6682E00	13.5030	0.0	0.0	143.45100	0.00284	2.43000	1.85150	0.85220	0.00253
13.6817E00	13.5020	0.0	0.0	136.90300	0.00284	2.43000	1.76560	0.87860	0.00253
13.6951E00	13.5011	0.0	0.0	132.22900	0.00284	2.43000	1.50310	0.97080	0.00254
13.7086E00	13.5001	0.0	0.0	126.51100	0.00284	2.43000	1.23500	1.08730	0.00254
13.7221E00	13.4991	0.0	0.0	115.23000	0.00284	2.43000	1.08220	1.16700	0.00254
13.7356E00	13.4981	0.0	0.0	105.73400	0.00284	2.43000	0.90390	1.27630	0.00254
13.7491E00	13.4971	0.0	0.0	97.55040	0.00284	2.43000	0.73980	1.39670	0.00254
13.7627E00	13.4961	0.0	0.0	94.23160	0.00284	2.43000	0.56620	1.55160	0.00254
13.7762E00	13.4952	0.0	0.0	88.01370	0.00284	2.43000	0.47170	1.65110	0.00254
13.7898E00	13.4942	0.0	0.0	84.69310	0.00284	2.43000	0.39100	1.74690	0.00254
13.8034E00	13.4932	0.0	0.0	85.52170	0.00284	2.43000	0.32080	1.83980	0.00255
13.8171E00	13.4922	0.0	0.0	84.07630	0.00284	2.43000	0.29020	1.88340	0.00255
13.8307E00	13.4912	0.0	0.0	87.17960	0.00284	2.43000	0.26110	1.92690	0.00255
13.8444E00	13.4902	0.0	0.0	91.75440	0.00284	2.43000	0.24590	1.95050	0.00255

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.8581E00	13.4892	99.38930	11.85030	99.35565	18.70080	68.83820	0.0	0.0	87.53900
13.8718E00	13.4882	103.61500	11.86620	103.58100	19.83790	71.91060	0.0	0.0	91.74850
13.8855E00	13.4873	110.96700	11.88540	110.93300	21.43110	77.65020	0.0	0.0	99.08130
13.8993E00	13.4863	114.48900	11.90770	114.45600	23.41960	79.16210	0.0	0.0	102.58200
13.9130E00	13.4853	113.19700	11.93210	113.16300	25.69380	75.57060	0.0	0.0	101.26400
13.9268E00	13.4843	119.78600	11.95820	119.75200	28.18970	79.63840	0.0	0.0	107.82800
13.9407E00	13.4833	124.25600	11.98510	124.22200	30.79140	81.47910	0.0	0.0	112.27100
13.9545E00	13.4823	127.65600	12.01100	127.62200	33.32000	82.32480	0.0	0.0	115.64500
13.9683E00	13.4813	131.17200	12.03460	131.13800	35.63880	83.49870	0.0	0.0	119.13800
13.9822E00	13.4803	133.11400	12.05460	133.08000	37.60250	83.45720	0.0	0.0	121.06000
13.9961E00	13.4793	139.83400	12.06930	139.80000	39.04590	88.71900	0.0	0.0	127.76500
14.0100E00	13.4783	136.85200	12.07770	136.81700	39.85260	84.92130	0.0	0.0	124.77400
14.0240E00	13.4773	135.47500	12.07910	135.44100	39.95070	83.44510	0.0	0.0	123.39600
14.0379E00	13.4763	138.52200	12.07330	138.48800	39.32430	87.12420	0.0	0.0	126.44900
14.0519E00	13.4753	133.31900	12.06060	133.28500	38.00830	83.25010	0.0	0.0	121.25800
14.0659E00	13.4743	130.36200	12.04210	130.32800	36.10080	82.21940	0.0	0.0	118.32000
14.0799E00	13.4733	126.39100	12.01900	126.35600	33.73620	80.63540	0.0	0.0	114.37200
14.0940E00	13.4723	116.14500	11.99260	116.11100	31.04970	73.10230	0.0	0.0	104.15200
14.1080E00	13.4714	119.76700	11.96500	119.73300	28.23700	79.56470	0.0	0.0	107.80200
14.1221E00	13.4704	108.83100	11.93710	108.79700	25.40270	71.49130	0.0	0.0	96.89400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.8581E00	13.4892	0.0	0.0	87.53900	0.00284	2.43000	0.27170	1.91090	0.00255
13.8718E00	13.4882	0.0	0.0	91.74850	0.00284	2.43000	0.27590	1.90460	0.00255
13.8855E00	13.4873	0.0	0.0	99.08130	0.00284	2.43000	0.27600	1.90440	0.00255
13.8993E00	13.4863	0.0	0.0	102.58200	0.00284	2.43000	0.29580	1.87520	0.00255
13.9130E00	13.4853	0.0	0.0	101.26400	0.00284	2.43000	0.34000	1.81340	0.00256
13.9268E00	13.4843	0.0	0.0	107.82800	0.00284	2.43000	0.35400	1.79470	0.00256
13.9407E00	13.4833	0.0	0.0	112.27100	0.00284	2.43000	0.37790	1.76350	0.00256
13.9545E00	13.4823	0.0	0.0	115.64500	0.00284	2.43000	0.40470	1.72990	0.00256
13.9683E00	13.4813	0.0	0.0	119.13800	0.00284	2.43000	0.42680	1.70310	0.00256
13.9822E00	13.4803	0.0	0.0	121.06000	0.00284	2.43000	0.45060	1.67520	0.00256
13.9961E00	13.4793	0.0	0.0	127.76500	0.00284	2.43000	0.44010	1.68740	0.00256
14.0100E00	13.4783	0.0	0.0	124.77400	0.00284	2.43000	0.46930	1.65390	0.00256
14.0240E00	13.4773	0.0	0.0	123.39600	0.00284	2.43000	0.47880	1.64330	0.00257
14.0379E00	13.4763	0.0	0.0	126.44900	0.00284	2.43000	0.45140	1.67430	0.00257
14.0519E00	13.4753	0.0	0.0	121.25800	0.00284	2.43000	0.45660	1.66830	0.00257
14.0659E00	13.4743	0.0	0.0	118.32000	0.00284	2.43000	0.43910	1.68860	0.00257
14.0799E00	13.4733	0.0	0.0	114.37200	0.00284	2.43000	0.41840	1.71320	0.00257
14.0940E00	13.4723	0.0	0.0	104.15200	0.00284	2.43000	0.42470	1.70560	0.00257
14.1080E00	13.4714	0.0	0.0	107.80200	0.00284	2.43000	0.35490	1.79350	0.00257
14.1221E00	13.4704	0.0	0.0	96.89400	0.00284	2.43000	0.35530	1.79290	0.00257

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
14.1362E00	13.4694	105.28300	11.91030	105.24900	22.68570	70.68700	0.0	0.0	93.37270
14.1503E00	13.4684	98.64530	11.88530	98.61155	20.17300	66.58700	0.0	0.0	86.76000
14.1645E00	13.4674	97.19810	11.86270	97.16441	17.90480	67.43060	0.0	0.0	85.33540
14.1786E00	13.4664	93.53570	11.84290	93.50207	15.93980	65.75300	0.0	0.0	81.69280
14.1928E00	13.4654	85.54950	11.82580	85.51591	14.25470	59.46900	0.0	0.0	73.72370
14.2070E00	13.4644	81.03510	11.81120	81.00156	12.85420	56.36970	0.0	0.0	69.22390
14.2213E00	13.4634	79.08680	11.79900	79.05329	11.71270	55.57510	0.0	0.0	67.28780
14.2355E00	13.4624	75.52490	11.78900	75.49142	10.82580	52.91010	0.0	0.0	63.73590
14.2498E00	13.4614	73.62270	11.78090	73.58924	10.16350	51.67830	0.0	0.0	61.84180
14.2641E00	13.4603	69.86880	11.77450	69.83536	9.72250	48.37180	0.0	0.0	58.09430
14.2784E00	13.4593	68.31210	11.77060	68.27867	9.50660	47.03490	0.0	0.0	56.54150
14.2928E00	13.4583	66.66840	11.76730	66.63498	9.52970	45.37140	0.0	0.0	54.90110
14.3071E00	13.4573	65.73660	11.76560	65.70319	9.82270	44.14830	0.0	0.0	53.97100
14.3215E00	13.4563	64.80540	11.76560	64.77199	10.44360	42.59620	0.0	0.0	53.03980
14.3359E00	13.4553	66.02850	11.76750	65.99508	11.46700	42.79400	0.0	0.0	54.26100
14.3503E00	13.4543	67.53000	11.77160	67.49657	12.98590	42.77250	0.0	0.0	55.75840
14.3648E00	13.4533	70.84240	11.77840	70.80895	15.11520	43.94880	0.0	0.0	59.06400
14.3793E00	13.4523	71.46910	11.78800	71.43562	17.93270	41.74840	0.0	0.0	59.68110
14.3937E00	13.4513	73.24510	11.80060	73.21159	21.45940	39.98510	0.0	0.0	61.44450
14.4083E00	13.4503	79.93390	11.81640	79.90034	25.75780	42.35970	0.0	0.0	68.11750

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
14.1362E00	13.4694	0.0	0.0	93.37270	0.00284	2.43000	0.32090	1.83960	0.00258
14.1503E00	13.4684	0.0	0.0	86.76000	0.00284	2.43000	0.30300	1.86500	0.00258
14.1645E00	13.4674	0.0	0.0	85.33540	0.00284	2.43000	0.26550	1.92010	0.00258
14.1786E00	13.4664	0.0	0.0	81.69280	0.00284	2.43000	0.24240	1.95590	0.00258
14.1928E00	13.4654	0.0	0.0	73.72370	0.00284	2.43000	0.23970	1.96020	0.00258
14.2070E00	13.4644	0.0	0.0	69.22390	0.00284	2.43000	0.22800	1.97880	0.00258
14.2213E00	13.4634	0.0	0.0	67.28780	0.00284	2.43000	0.21080	2.00700	0.00258
14.2355E00	13.4624	0.0	0.0	63.73590	0.00284	2.43000	0.20460	2.01730	0.00259
14.2498E00	13.4614	0.0	0.0	61.84180	0.00284	2.43000	0.19670	2.03060	0.00259
14.2641E00	13.4603	0.0	0.0	58.09430	0.00284	2.43000	0.20100	2.02330	0.00259
14.2784E00	13.4593	0.0	0.0	56.54150	0.00284	2.43000	0.20210	2.02140	0.00259
14.2928E00	13.4583	0.0	0.0	54.90110	0.00284	2.43000	0.21000	2.00820	0.00259
14.3071E00	13.4573	0.0	0.0	53.97100	0.00284	2.43000	0.22250	1.98770	0.00259
14.3215E00	13.4563	0.0	0.0	53.03980	0.00284	2.43000	0.24520	1.95150	0.00259
14.3359E00	13.4553	0.0	0.0	54.26100	0.00284	2.43000	0.26800	1.91650	0.00259
14.3503E00	13.4543	0.0	0.0	55.75840	0.00284	2.43000	0.30360	1.86410	0.00260
14.3648E00	13.4533	0.0	0.0	59.06400	0.00284	2.43000	0.34390	1.80810	0.00260
14.3793E00	13.4523	0.0	0.0	59.68110	0.00284	2.43000	0.42950	1.69980	0.00260
14.3937E00	13.4513	0.0	0.0	61.44450	0.00284	2.43000	0.53670	1.58130	0.00260
14.4083E00	13.4503	0.0	0.0	68.11750	0.00284	2.43000	0.60810	1.51110	0.00260

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
14.4228E00	13.4493	85.56350	11.83450	85.52989	30.62960	43.09940	0.0	0.0	73.72900
14.4374E00	13.4483	88.45660	11.85430	88.42293	35.89860	40.70370	0.0	0.0	76.60230
14.4519E00	13.4473	90.97510	11.87410	90.94138	41.12720	37.97380	0.0	0.0	79.10100
14.4665E00	13.4463	102.92000	11.89220	102.88600	45.92950	45.09810	0.0	0.0	91.02760
14.4812E00	13.4452	107.54600	11.90680	107.51300	49.80490	45.83470	0.0	0.0	95.63960
14.4958E00	13.4442	105.56100	11.91590	105.52700	52.26440	41.38060	0.0	0.0	93.64500
14.5105E00	13.4432	106.95700	11.91840	106.92300	53.03570	42.00290	0.0	0.0	95.03860
14.5252E00	13.4422	107.50900	11.91380	107.47500	51.98960	43.60580	0.0	0.0	95.59540
14.5399E00	13.4412	102.99900	11.90270	102.96500	49.24630	41.85030	0.0	0.0	91.09660
14.5546E00	13.4402	93.45240	11.88610	93.41864	45.12380	36.44250	0.0	0.0	81.56630
14.5694E00	13.4392	89.71920	11.86580	89.68550	40.03300	37.82040	0.0	0.0	77.85340
14.5841E00	13.4382	82.35720	11.84400	82.32356	34.53970	35.97350	0.0	0.0	70.51320
14.5990E00	13.4371	69.35320	11.82190	69.31963	29.00110	28.53020	0.0	0.0	57.53130
14.6138E00	13.4361	61.95410	11.80170	61.92058	23.89940	26.25300	0.0	0.0	50.15240
14.6286E00	13.4351	53.79860	11.78390	53.76513	19.43010	22.58460	0.0	0.0	42.01470
14.6435E00	13.4341	48.62180	11.76900	48.58838	15.67260	21.18020	0.0	0.0	36.85280
14.6584E00	13.4331	43.32930	11.75700	43.29591	12.65950	18.91280	0.0	0.0	31.57230
14.6733E00	13.4321	38.71410	11.74770	38.68074	10.32140	16.64500	0.0	0.0	26.96640
14.6882E00	13.4311	36.06780	11.74060	36.03446	8.55170	15.77550	0.0	0.0	24.32720
14.7032E00	13.4300	36.33400	11.73530	36.30067	7.22470	17.37400	0.0	0.0	24.59870

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
14.4228E00	13.4493	0.0	0.0	73.72900	0.00284	2.43000	0.71070	1.42050	0.00260
14.4374E00	13.4483	0.0	0.0	76.60230	0.00284	2.43000	0.88190	1.29120	0.00260
14.4519E00	13.4473	0.0	0.0	79.10100	0.00284	2.43000	1.08300	1.16660	0.00260
14.4665E00	13.4463	0.0	0.0	91.02760	0.00284	2.43000	1.01840	1.20390	0.00261
14.4812E00	13.4452	0.0	0.0	95.63960	0.00284	2.43000	1.08660	1.16460	0.00261
14.4958E00	13.4442	0.0	0.0	93.64500	0.00284	2.43000	1.26300	1.07380	0.00261
14.5105E00	13.4432	0.0	0.0	95.03860	0.00284	2.43000	1.26270	1.07400	0.00261
14.5252E00	13.4422	0.0	0.0	95.59540	0.00284	2.43000	1.19230	1.10840	0.00261
14.5399E00	13.4412	0.0	0.0	91.09660	0.00284	2.43000	1.17670	1.11640	0.00261
14.5546E00	13.4402	0.0	0.0	81.56630	0.00284	2.43000	1.23820	1.08570	0.00261
14.5694E00	13.4392	0.0	0.0	77.85340	0.00284	2.43000	1.05850	1.18050	0.00262
14.5841E00	13.4382	0.0	0.0	70.51320	0.00284	2.43000	0.96010	1.23970	0.00262
14.5990E00	13.4371	0.0	0.0	57.53130	0.00284	2.43000	1.01650	1.20510	0.00262
14.6138E00	13.4361	0.0	0.0	50.15240	0.00284	2.43000	0.91040	1.27200	0.00262
14.6286E00	13.4351	0.0	0.0	42.01470	0.00284	2.43000	0.86030	1.30620	0.00262
14.6435E00	13.4341	0.0	0.0	36.85280	0.00284	2.43000	0.74000	1.39660	0.00262
14.6584E00	13.4331	0.0	0.0	31.57230	0.00284	2.43000	0.66940	1.45560	0.00262
14.6733E00	13.4321	0.0	0.0	26.96640	0.00284	2.43000	0.62010	1.49990	0.00262
14.6882E00	13.4311	0.0	0.0	24.32720	0.00284	2.43000	0.54210	1.57580	0.00263
14.7032E00	13.4300	0.0	0.0	24.59870	0.00284	2.43000	0.41580	1.71630	0.00263

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
14.7182E00	13.4290	34.27010	11.73130	34.23678	6.24240	16.29640	0.0	0.0	22.53880
14.7332E00	13.4280	32.24760	11.72840	32.21429	5.51290	15.00630	0.0	0.0	20.51920
14.7482E00	13.4270	29.57680	11.72610	29.54350	4.96640	12.88430	0.0	0.0	17.85070
14.7633E00	13.4260	28.26500	11.72450	28.23170	4.55030	11.99020	0.0	0.0	16.54050
14.7784E00	13.4249	26.96240	11.72320	26.92911	4.23320	11.00600	0.0	0.0	15.23920
14.7935E00	13.4239	29.50770	11.72220	29.47441	3.99020	13.79530	0.0	0.0	17.78550
14.8086E00	13.4229	28.24880	11.72150	28.21551	3.80440	12.72290	0.0	0.0	16.52730
14.8237E00	13.4219	26.28570	11.72090	26.25241	3.66390	10.90090	0.0	0.0	14.56480
14.8389E00	13.4208	25.10350	11.72050	25.07021	3.55990	9.82310	0.0	0.0	13.38300
14.8541E00	13.4198	25.77560	11.72030	25.74231	3.48730	10.56800	0.0	0.0	14.05530
14.8693E00	13.4188	26.04650	11.72020	26.01321	3.44220	10.88410	0.0	0.0	14.32630
14.8845E00	13.4178	26.76170	11.72020	26.72841	3.42160	11.61990	0.0	0.0	15.04150
14.8998E00	13.4167	25.15950	11.72030	25.12621	3.42370	10.01550	0.0	0.0	13.43920
14.9151E00	13.4157	26.98860	11.72050	26.95531	3.44780	11.82030	0.0	0.0	15.26810
14.9304E00	13.4147	25.97000	11.72080	25.93671	3.49350	10.75570	0.0	0.0	14.24920
14.9457E00	13.4137	26.76950	11.72120	26.73621	3.56090	11.48740	0.0	0.0	15.04830
14.9611E00	13.4126	27.72730	11.72210	27.69401	3.66790	12.33730	0.0	0.0	16.00520
14.9765E00	13.4116	27.51990	11.72280	27.48661	3.78660	12.01050	0.0	0.0	15.79710
14.9919E00	13.4106	28.08600	11.72360	28.05270	3.93190	12.43050	0.0	0.0	16.36240
15.0073E00	13.4096	27.61510	11.72460	27.58180	4.10660	11.78390	0.0	0.0	15.89050

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
14.7182E00	13.4290	0.0	0.0	22.53880	0.00284	2.43000	0.38310	1.75700	0.00263
14.7332E00	13.4280	0.0	0.0	20.51920	0.00284	2.43000	0.36740	1.77710	0.00263
14.7482E00	13.4270	0.0	0.0	17.85070	0.00284	2.43000	0.38550	1.75390	0.00263
14.7633E00	13.4260	0.0	0.0	16.54050	0.00284	2.43000	0.37950	1.76150	0.00263
14.7784E00	13.4249	0.0	0.0	15.23920	0.00284	2.43000	0.38460	1.75500	0.00263
14.7935E00	13.4239	0.0	0.0	17.78550	0.00284	2.43000	0.28920	1.88480	0.00264
14.8086E00	13.4229	0.0	0.0	16.52730	0.00284	2.43000	0.29900	1.87060	0.00264
14.8237E00	13.4219	0.0	0.0	14.56480	0.00284	2.43000	0.33610	1.81870	0.00264
14.8389E00	13.4208	0.0	0.0	13.38300	0.00284	2.43000	0.36240	1.78360	0.00264
14.8541E00	13.4198	0.0	0.0	14.05530	0.00284	2.43000	0.33000	1.82710	0.00264
14.8693E00	13.4188	0.0	0.0	14.32630	0.00284	2.43000	0.31630	1.84610	0.00264
14.8845E00	13.4178	0.0	0.0	15.04150	0.00284	2.43000	0.29450	1.87720	0.00264
14.8998E00	13.4167	0.0	0.0	13.43920	0.00284	2.43000	0.34180	1.81090	0.00264
14.9151E00	13.4157	0.0	0.0	15.26810	0.00284	2.43000	0.29170	1.88130	0.00265
14.9304E00	13.4147	0.0	0.0	14.24920	0.00284	2.43000	0.32480	1.83420	0.00265
14.9457E00	13.4137	0.0	0.0	15.04830	0.00284	2.43000	0.31000	1.85500	0.00265
14.9611E00	13.4126	0.0	0.0	16.00520	0.00284	2.43000	0.29730	1.87310	0.00265
14.9765E00	13.4116	0.0	0.0	15.79710	0.00284	2.43000	0.31530	1.84750	0.00265
14.9919E00	13.4106	0.0	0.0	16.36240	0.00284	2.43000	0.31630	1.84610	0.00265
15.0073E00	13.4096	0.0	0.0	15.89050	0.00284	2.43000	0.34850	1.80200	0.00265

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
15.0227E00	13.4085	26.86890	11.72580	26.83560	4.31470	10.82840	0.0	0.0	15.14310
15.0382E00	13.4075	30.93210	11.72720	30.89879	4.56300	14.64190	0.0	0.0	19.20490
15.0537E00	13.4065	29.20470	11.72880	29.17139	4.85710	12.61880	0.0	0.0	17.47590
15.0692E00	13.4054	31.24390	11.73080	31.21058	5.20570	14.30740	0.0	0.0	19.51310
15.0848E00	13.4044	30.37930	11.73310	30.34598	5.62330	13.02290	0.0	0.0	18.64620
15.1004E00	13.4034	29.92570	11.73590	29.89237	6.12320	12.06660	0.0	0.0	18.18980
15.1160E00	13.4023	33.80240	11.73920	33.76906	6.72600	15.33720	0.0	0.0	22.06320
15.1316E00	13.4013	32.62970	11.74320	32.59635	7.45950	13.42700	0.0	0.0	20.88650
15.1472E00	13.4003	31.51980	11.74810	31.48644	8.36090	11.41080	0.0	0.0	19.77170
15.1629E00	13.3992	34.65650	11.75430	34.62312	9.48910	13.41310	0.0	0.0	22.90220
15.1786E00	13.3982	35.55550	11.76210	35.52210	10.90830	12.88510	0.0	0.0	23.79340
15.1943E00	13.3972	39.78010	11.77190	39.74667	12.71060	15.29760	0.0	0.0	28.00820
15.2100E00	13.3961	40.08540	11.78440	40.05193	15.01380	13.28720	0.0	0.0	28.30100
15.2258E00	13.3951	48.23180	11.80060	48.19829	17.98180	18.44940	0.0	0.0	36.43120
15.2416E00	13.3941	54.86470	11.82110	54.83113	21.76310	21.28050	0.0	0.0	43.04360
15.2574E00	13.3930	63.31410	11.84690	63.28045	26.51380	24.95340	0.0	0.0	51.46720
15.2732E00	13.3920	67.59510	11.87860	67.56136	32.35220	23.36430	0.0	0.0	55.71650
15.2891E00	13.3910	79.26280	11.91660	79.22896	39.36250	27.98370	0.0	0.0	67.34620
15.3050E00	13.3899	93.76220	11.96030	93.72823	47.41680	34.38510	0.0	0.0	81.80190
15.3209E00	13.3889	110.18400	12.00820	110.14900	56.24330	41.93200	0.0	0.0	98.17530

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
15.0227E00	13.4085	0.0	0.0	15.14310	0.00284	2.43000	0.39850	1.73760	0.00266
15.0382E00	13.4075	0.0	0.0	19.20490	0.00284	2.43000	0.31160	1.85260	0.00266
15.0537E00	13.4065	0.0	0.0	17.47590	0.00284	2.43000	0.38490	1.75460	0.00266
15.0692E00	13.4054	0.0	0.0	19.51310	0.00284	2.43000	0.36380	1.78170	0.00266
15.0848E00	13.4044	0.0	0.0	18.64620	0.00284	2.43000	0.43180	1.69720	0.00266
15.1004E00	13.4034	0.0	0.0	18.18980	0.00284	2.43000	0.50740	1.61200	0.00266
15.1160E00	13.4023	0.0	0.0	22.06320	0.00284	2.43000	0.43850	1.68920	0.00266
15.1316E00	13.4013	0.0	0.0	20.88650	0.00284	2.43000	0.55560	1.56210	0.00267
15.1472E00	13.4003	0.0	0.0	19.77170	0.00284	2.43000	0.73270	1.40240	0.00267
15.1629E00	13.3992	0.0	0.0	22.90220	0.00284	2.43000	0.70750	1.42320	0.00267
15.1786E00	13.3982	0.0	0.0	23.79340	0.00284	2.43000	0.84660	1.31590	0.00267
15.1943E00	13.3972	0.0	0.0	28.00820	0.00284	2.43000	0.83090	1.32720	0.00267
15.2100E00	13.3961	0.0	0.0	28.30100	0.00284	2.43000	1.12990	1.14090	0.00267
15.2258E00	13.3951	0.0	0.0	36.43120	0.00284	2.43000	0.97470	1.23060	0.00267
15.2416E00	13.3941	0.0	0.0	43.04360	0.00284	2.43000	1.02270	1.20140	0.00267
15.2574E00	13.3930	0.0	0.0	51.46720	0.00284	2.43000	1.06250	1.17820	0.00268
15.2732E00	13.3920	0.0	0.0	55.71650	0.00284	2.43000	1.38470	1.01900	0.00268
15.2891E00	13.3910	0.0	0.0	67.34620	0.00284	2.43000	1.40660	1.00970	0.00268
15.3050E00	13.3899	0.0	0.0	81.80190	0.00284	2.43000	1.37900	1.02140	0.00268
15.3209E00	13.3889	0.0	0.0	98.17530	0.00284	2.43000	1.34130	1.03790	0.00268

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
15.3369E00	13.3878	128.21100	12.05800	128.17700	65.42580	50.72740	0.0	0.0	116.15300
15.3528E00	13.3868	138.88500	12.10550	138.85000	74.18950	52.58960	0.0	0.0	126.77900
15.3688E00	13.3858	158.43200	12.14720	158.39700	81.86600	64.41840	0.0	0.0	146.28400
15.3848E00	13.3847	167.22900	12.17850	167.19500	87.61920	67.43150	0.0	0.0	155.05100
15.4009E00	13.3837	167.58000	12.19600	167.54500	90.82080	64.56290	0.0	0.0	155.38400
15.4169E00	13.3826	170.30000	12.19750	170.26500	91.05710	67.04550	0.0	0.0	158.10300
15.4330E00	13.3816	170.43700	12.18280	170.40200	88.30570	69.94800	0.0	0.0	158.25400
15.4491E00	13.3805	158.35900	12.15370	158.32400	82.89030	63.31450	0.0	0.0	146.20500
15.4653E00	13.3795	147.43300	12.11330	147.39800	75.38170	59.93760	0.0	0.0	135.31900
15.4814E00	13.3785	130.18000	12.06640	130.14600	66.66040	51.45320	0.0	0.0	118.11400
15.4976E00	13.3774	113.54700	12.01680	113.51300	57.43270	44.09780	0.0	0.0	101.53100
15.5138E00	13.3764	99.38050	11.96850	99.34651	48.46070	38.95130	0.0	0.0	87.41200
15.5301E00	13.3753	80.83970	11.92430	80.80583	40.21580	28.69960	0.0	0.0	68.91540
15.5463E00	13.3743	67.52520	11.88620	67.49144	33.10220	22.53680	0.0	0.0	55.63900
15.5626E00	13.3732	59.01620	11.85430	58.98253	27.14130	20.02050	0.0	0.0	47.16190
15.5789E00	13.3722	51.78310	11.82880	51.74951	22.34350	17.61080	0.0	0.0	39.95430
15.5953E00	13.3711	46.40980	11.80890	46.37626	18.55920	16.04170	0.0	0.0	34.60090
15.6117E00	13.3701	38.57690	11.79370	38.54341	15.64720	11.13600	0.0	0.0	26.78320
15.6281E00	13.3690	35.82870	11.78230	35.79524	13.42980	10.61660	0.0	0.0	24.04640
15.6445E00	13.3680	33.09050	11.77400	33.05706	11.74960	9.56690	0.0	0.0	21.31650

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
15.3369E00	13.3878	0.0	0.0	116.15300	0.00284	2.43000	1.28980	1.06130	0.00268
15.3528E00	13.3868	0.0	0.0	126.77900	0.00284	2.43000	1.41070	1.00800	0.00268
15.3688E00	13.3858	0.0	0.0	146.28400	0.00284	2.43000	1.27080	1.07010	0.00269
15.3848E00	13.3847	0.0	0.0	155.05100	0.00284	2.43000	1.29940	1.05680	0.00269
15.4009E00	13.3837	0.0	0.0	155.38400	0.00284	2.43000	1.40670	1.00970	0.00269
15.4169E00	13.3826	0.0	0.0	158.10300	0.00284	2.43000	1.35810	1.03050	0.00269
15.4330E00	13.3816	0.0	0.0	158.25400	0.00284	2.43000	1.26240	1.07410	0.00269
15.4491E00	13.3805	0.0	0.0	146.20500	0.00284	2.43000	1.30920	1.05230	0.00269
15.4653E00	13.3795	0.0	0.0	135.31900	0.00284	2.43000	1.25770	1.07630	0.00269
15.4814E00	13.3785	0.0	0.0	118.11400	0.00284	2.43000	1.29560	1.05860	0.00270
15.4976E00	13.3774	0.0	0.0	101.53100	0.00284	2.43000	1.30240	1.05540	0.00270
15.5138E00	13.3764	0.0	0.0	87.41200	0.00284	2.43000	1.24410	1.08280	0.00270
15.5301E00	13.3753	0.0	0.0	68.91540	0.00284	2.43000	1.40130	1.01200	0.00270
15.5463E00	13.3743	0.0	0.0	55.63900	0.00284	2.43000	1.46880	0.98430	0.00270
15.5626E00	13.3732	0.0	0.0	47.16190	0.00284	2.43000	1.35570	1.03160	0.00270
15.5789E00	13.3722	0.0	0.0	39.95430	0.00284	2.43000	1.26870	1.07110	0.00270
15.5953E00	13.3711	0.0	0.0	34.60090	0.00284	2.43000	1.15690	1.12660	0.00271
15.6117E00	13.3701	0.0	0.0	26.78320	0.00284	2.43000	1.40510	1.01040	0.00271
15.6281E00	13.3690	0.0	0.0	24.04640	0.00284	2.43000	1.26500	1.07290	0.00271
15.6445E00	13.3680	0.0	0.0	21.31650	0.00284	2.43000	1.22820	1.09060	0.00271

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
15.6609E00	13.3669	30.35670	11.76790	30.32328	10.47990	8.10890	0.0	0.0	18.58880
15.6774E00	13.3659	30.21370	11.76360	30.18029	9.51960	8.93050	0.0	0.0	18.45010
15.6939E00	13.3648	26.90320	11.76080	26.86980	8.80650	6.33590	0.0	0.0	15.14240
15.7104E00	13.3638	25.75710	11.75920	25.72370	8.29100	5.70690	0.0	0.0	13.99790
15.7270E00	13.3627	25.40020	11.75870	25.36681	7.93760	5.70390	0.0	0.0	13.64150
15.7435E00	13.3617	27.57670	11.75920	27.54330	7.72990	8.08760	0.0	0.0	15.81750
15.7601E00	13.3606	25.75940	11.75980	25.72600	7.57370	6.42590	0.0	0.0	13.99960
15.7768E00	13.3596	28.10060	11.76250	28.06719	7.63470	8.70340	0.0	0.0	16.33810
15.7934E00	13.3585	27.99080	11.76640	27.95738	7.83760	8.38680	0.0	0.0	16.22440
15.8101E00	13.3574	28.46390	11.77200	28.43047	8.20640	8.48550	0.0	0.0	16.69190
15.8268E00	13.3564	31.21150	11.77950	31.17805	8.77920	10.65280	0.0	0.0	19.43200
15.8436E00	13.3553	29.06360	11.79000	29.03012	9.62610	7.64750	0.0	0.0	17.27360
15.8603E00	13.3543	33.48810	11.80430	33.45458	10.84140	10.84240	0.0	0.0	21.68380
15.8771E00	13.3532	34.75560	11.82460	34.72202	12.60630	10.32470	0.0	0.0	22.93100
15.8939E00	13.3522	36.41510	11.85370	36.38144	15.17270	9.38870	0.0	0.0	24.56140
15.9108E00	13.3511	40.63760	11.89590	40.60382	18.94430	9.79740	0.0	0.0	28.74170
15.9276E00	13.3500	52.10940	11.95640	52.07544	24.38230	15.77070	0.0	0.0	40.15300
15.9445E00	13.3490	61.80350	12.04250	61.76930	32.14540	17.61560	0.0	0.0	49.76100
15.9614E00	13.3479	77.90190	12.16020	77.86737	42.78400	22.95770	0.0	0.0	65.74170
15.9784E00	13.3469	98.44630	12.31510	98.41133	56.80390	29.32730	0.0	0.0	86.13120

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
15.6609E00	13.3669	0.0	0.0	18.58880	0.00284	2.43000	1.29240	1.06000	0.00271
15.6774E00	13.3659	0.0	0.0	18.45010	0.00284	2.43000	1.06600	1.17620	0.00271
15.6939E00	13.3648	0.0	0.0	15.14240	0.00284	2.43000	1.38990	1.01680	0.00271
15.7104E00	13.3638	0.0	0.0	13.99790	0.00284	2.43000	1.45280	0.99700	0.00272
15.7270E00	13.3627	0.0	0.0	13.64150	0.00284	2.43000	1.39160	1.01600	0.00272
15.7435E00	13.3617	0.0	0.0	15.81750	0.00284	2.43000	0.95580	1.24250	0.00272
15.7601E00	13.3606	0.0	0.0	13.99960	0.00284	2.43000	1.17860	1.11540	0.00272
15.7768E00	13.3596	0.0	0.0	16.33810	0.00284	2.43000	0.87720	1.29450	0.00272
15.7934E00	13.3585	0.0	0.0	16.22440	0.00284	2.43000	0.93450	1.25610	0.00272
15.8101E00	13.3574	0.0	0.0	16.69190	0.00284	2.43000	0.96710	1.23530	0.00272
15.8268E00	13.3564	0.0	0.0	19.43200	0.00284	2.43000	0.82410	1.33220	0.00273
15.8436E00	13.3553	0.0	0.0	17.27360	0.00284	2.43000	1.25870	1.07580	0.00273
15.8603E00	13.3543	0.0	0.0	21.68380	0.00284	2.43000	0.99990	1.21510	0.00273
15.8771E00	13.3532	0.0	0.0	22.93100	0.00284	2.43000	1.22100	1.09410	0.00273
15.8939E00	13.3522	0.0	0.0	24.56140	0.00284	2.43000	1.61610	0.92890	0.00273
15.9108E00	13.3511	0.0	0.0	28.74170	0.00284	2.43000	1.93360	0.82830	0.00273
15.9276E00	13.3500	0.0	0.0	40.15300	0.00284	2.43000	1.54610	0.95440	0.00273
15.9445E00	13.3490	0.0	0.0	49.76100	0.00284	2.43000	1.82480	0.86020	0.00274
15.9614E00	13.3479	0.0	0.0	65.74170	0.00284	2.43000	1.86360	0.84860	0.00274
15.9784E00	13.3469	0.0	0.0	86.13120	0.00284	2.43000	1.93690	0.82740	0.00274

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
15.9954E00	13.3458	121.39200	12.50750	121.35600	74.22440	34.66000	0.0	0.0	108.88400
16.0124E00	13.3447	151.09800	12.73170	151.06200	94.53590	43.83060	0.0	0.0	138.36700
16.0294E00	13.3437	181.99700	12.97340	181.96000	116.43700	52.58670	0.0	0.0	169.02400
16.0465E00	13.3426	211.60400	13.21100	211.56600	137.97100	60.42230	0.0	0.0	198.39300
16.0635E00	13.3415	239.93400	13.41370	239.89600	156.34400	70.17580	0.0	0.0	226.52000
16.0807E00	13.3405	257.53100	13.55660	257.49200	169.30200	74.67200	0.0	0.0	243.97400
16.0978E00	13.3394	259.72200	13.61500	259.68300	174.59700	71.50930	0.0	0.0	246.10700
16.1150E00	13.3383	255.56400	13.57990	255.52600	171.41500	70.56940	0.0	0.0	241.98400
16.1322E00	13.3373	238.78700	13.45660	238.74900	160.23400	65.09670	0.0	0.0	225.33000
16.1494E00	13.3362	214.31200	13.26450	214.27400	142.82100	58.22630	0.0	0.0	201.04700
16.1666E00	13.3351	186.46400	13.03110	186.42700	121.66900	51.76370	0.0	0.0	173.43300
16.1839E00	13.3341	150.46700	12.78430	150.43100	99.30790	38.37510	0.0	0.0	137.68300
16.2012E00	13.3330	120.75300	12.55120	120.71700	78.18690	30.01440	0.0	0.0	108.20100
16.2185E00	13.3319	94.78900	12.34880	94.75393	59.86140	22.57880	0.0	0.0	82.44020
16.2359E00	13.3309	78.94800	12.18390	78.91340	44.94190	21.82220	0.0	0.0	66.76410
16.2533E00	13.3298	58.54400	12.05780	58.50976	33.55560	12.93060	0.0	0.0	46.48620
16.2707E00	13.3287	48.28110	11.96610	48.24712	25.29530	11.01570	0.0	0.0	36.31500
16.2881E00	13.3277	40.76540	11.90200	40.73160	19.54690	9.31650	0.0	0.0	28.86340
16.3056E00	13.3266	35.30060	11.85800	35.26692	15.64170	7.80090	0.0	0.0	23.44260
16.3231E00	13.3255	30.97880	11.82840	30.94521	13.04920	6.10120	0.0	0.0	19.15040

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
15.9954E00	13.3458	0.0	0.0	108.88400	0.00284	2.43000	2.14150	0.77350	0.00274
16.0124E00	13.3447	0.0	0.0	138.36700	0.00284	2.43000	2.15680	0.76980	0.00274
16.0294E00	13.3437	0.0	0.0	169.02400	0.00284	2.43000	2.21420	0.75600	0.00274
16.0465E00	13.3426	0.0	0.0	198.39300	0.00284	2.43000	2.28340	0.74010	0.00274
16.0635E00	13.3415	0.0	0.0	226.52000	0.00284	2.43000	2.22790	0.75280	0.00275
16.0807E00	13.3405	0.0	0.0	243.97400	0.00284	2.43000	2.26730	0.74370	0.00275
16.0978E00	13.3394	0.0	0.0	246.10700	0.00284	2.43000	2.44160	0.70610	0.00275
16.1150E00	13.3383	0.0	0.0	241.98400	0.00284	2.43000	2.42900	0.70870	0.00275
16.1322E00	13.3373	0.0	0.0	225.33000	0.00284	2.43000	2.46150	0.70200	0.00275
16.1494E00	13.3362	0.0	0.0	201.04700	0.00284	2.43000	2.45290	0.70380	0.00275
16.1666E00	13.3351	0.0	0.0	173.43300	0.00284	2.43000	2.35050	0.72530	0.00275
16.1839E00	13.3341	0.0	0.0	137.68300	0.00284	2.43000	2.58780	0.67730	0.00276
16.2012E00	13.3330	0.0	0.0	108.20100	0.00284	2.43000	2.60500	0.67410	0.00276
16.2185E00	13.3319	0.0	0.0	82.44020	0.00284	2.43000	2.65120	0.66550	0.00276
16.2359E00	13.3309	0.0	0.0	66.76410	0.00284	2.43000	2.05950	0.79430	0.00276
16.2533E00	13.3298	0.0	0.0	46.48620	0.00284	2.43000	2.59500	0.67590	0.00276
16.2707E00	13.3287	0.0	0.0	36.31500	0.00284	2.43000	2.29550	0.73740	0.00276
16.2881E00	13.3277	0.0	0.0	28.86340	0.00284	2.43000	2.09810	0.78440	0.00277
16.3056E00	13.3266	0.0	0.0	23.44260	0.00284	2.43000	2.00510	0.80860	0.00277
16.3231E00	13.3255	0.0	0.0	19.15040	0.00284	2.43000	2.13880	0.77420	0.00277

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
16.3406E00	13.3244	32.15090	11.80830	32.11736	11.34780	8.99480	0.0	0.0	20.34260
16.3582E00	13.3234	28.14190	11.79460	28.10840	10.25260	6.09470	0.0	0.0	16.34730
16.3758E00	13.3223	27.18130	11.78550	27.14783	9.60100	5.79480	0.0	0.0	15.39580
16.3934E00	13.3212	26.64300	11.80360	26.60948	9.65280	5.18660	0.0	0.0	14.83940
16.4110E00	13.3201	27.73070	11.80070	27.69719	9.65010	6.27990	0.0	0.0	15.93000
16.4287E00	13.3191	31.31480	11.80030	31.28129	9.93940	9.57510	0.0	0.0	19.51450
16.4464E00	13.3180	31.50670	11.80230	31.47318	10.54380	9.16060	0.0	0.0	19.70440
16.4641E00	13.3169	34.97040	11.80680	34.93687	11.51390	11.64970	0.0	0.0	23.16360
16.4819E00	13.3158	38.78440	11.81440	38.75085	12.93480	14.03520	0.0	0.0	26.97000
16.4997E00	13.3148	43.82800	11.82550	43.79442	14.89750	17.10500	0.0	0.0	32.00250
16.5175E00	13.3137	50.62310	11.84080	50.58947	17.50120	21.28110	0.0	0.0	38.78230
16.5353E00	13.3126	62.89530	11.86050	62.86162	20.82350	30.21130	0.0	0.0	51.03480
16.5532E00	13.3115	73.15170	11.88510	73.11795	24.91220	36.35440	0.0	0.0	61.26660
16.5711E00	13.3104	84.97400	11.91390	84.94016	29.68000	43.38010	0.0	0.0	73.06010
16.5890E00	13.3094	91.42210	11.94580	91.38817	34.92640	44.54990	0.0	0.0	79.47630
16.6070E00	13.3083	107.45000	11.97870	107.41600	40.33510	55.13640	0.0	0.0	95.47150
16.6250E00	13.3072	119.94500	12.00960	119.91100	45.39790	62.53780	0.0	0.0	107.93600
16.6430E00	13.3061	127.87200	12.03500	127.83800	49.57040	66.26670	0.0	0.0	115.83700
16.6610E00	13.3050	138.15000	12.05200	138.11600	52.34160	73.75680	0.0	0.0	126.09800
16.6791E00	13.3039	137.52900	12.05810	137.49400	53.34030	72.13010	0.0	0.0	125.47000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
16.3406E00	13.3244	0.0	0.0	20.34260	0.00284	2.43000	1.26160	1.07450	0.00277
16.3582E00	13.3234	0.0	0.0	16.34730	0.00284	2.43000	1.68220	0.90600	0.00277
16.3758E00	13.3223	0.0	0.0	15.39580	0.00284	2.43000	1.65680	0.91460	0.00277
16.3934E00	13.3212	0.0	0.0	14.83940	0.00284	2.43000	1.86110	0.84930	0.00277
16.4110E00	13.3201	0.0	0.0	15.93000	0.00284	2.43000	1.53670	0.95790	0.00278
16.4287E00	13.3191	0.0	0.0	19.51450	0.00284	2.43000	1.03800	1.19230	0.00278
16.4464E00	13.3180	0.0	0.0	19.70440	0.00284	2.43000	1.15100	1.12970	0.00278
16.4641E00	13.3169	0.0	0.0	23.16360	0.00284	2.43000	0.98830	1.22210	0.00278
16.4819E00	13.3158	0.0	0.0	26.97000	0.00284	2.43000	0.92160	1.26460	0.00278
16.4997E00	13.3148	0.0	0.0	32.00250	0.00284	2.43000	0.87090	1.29880	0.00278
16.5175E00	13.3137	0.0	0.0	38.78230	0.00284	2.43000	0.82240	1.33340	0.00278
16.5353E00	13.3126	0.0	0.0	51.03480	0.00284	2.43000	0.68930	1.43850	0.00279
16.5532E00	13.3115	0.0	0.0	61.26660	0.00284	2.43000	0.68530	1.44190	0.00279
16.5711E00	13.3104	0.0	0.0	73.06010	0.00284	2.43000	0.68420	1.44280	0.00279
16.5890E00	13.3094	0.0	0.0	79.47630	0.00284	2.43000	0.78400	1.36210	0.00279
16.6070E00	13.3083	0.0	0.0	95.47150	0.00284	2.43000	0.73160	1.40340	0.00279
16.6250E00	13.3072	0.0	0.0	107.93600	0.00284	2.43000	0.72590	1.40790	0.00279
16.6430E00	13.3061	0.0	0.0	115.83700	0.00284	2.43000	0.74800	1.39010	0.00280
16.6610E00	13.3050	0.0	0.0	126.09800	0.00284	2.43000	0.70970	1.42130	0.00280
16.6791E00	13.3039	0.0	0.0	125.47000	0.00284	2.43000	0.73950	1.39700	0.00280

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
16.6972E00	13.3029	136.54300	12.05240	136.50900	52.39940	72.09100	0.0	0.0	124.49000
16.7154E00	13.3018	126.49100	12.03550	126.45600	49.61870	64.83640	0.0	0.0	114.45500
16.7335E00	13.3007	117.45800	12.00970	117.42400	45.38750	60.06120	0.0	0.0	105.44900
16.7517E00	13.2996	111.59200	11.97790	111.55800	40.17440	59.43970	0.0	0.0	99.61410
16.7699E00	13.2985	97.22810	11.94380	97.19418	34.56040	50.72390	0.0	0.0	85.28430
16.7882E00	13.2974	86.58800	11.91000	86.55418	29.01670	45.66130	0.0	0.0	74.67800
16.8065E00	13.2963	74.76280	11.87930	74.72906	23.94770	38.93580	0.0	0.0	62.88350
16.8248E00	13.2952	62.35100	11.85270	62.31734	19.56800	30.93030	0.0	0.0	50.49830
16.8431E00	13.2942	58.60370	11.83080	58.57010	15.94960	30.82330	0.0	0.0	46.77290
16.8615E00	13.2931	50.54280	11.81340	50.50925	13.04680	25.68260	0.0	0.0	38.72940
16.8799E00	13.2920	47.40770	11.79990	47.37419	10.78620	24.82160	0.0	0.0	35.60780
16.8983E00	13.2909	47.38740	11.78960	47.35392	9.04800	26.54980	0.0	0.0	35.59780
16.9168E00	13.2898	38.65160	11.78180	38.61814	7.70860	19.16120	0.0	0.0	26.86980
16.9353E00	13.2887	35.63800	11.77590	35.60456	6.67720	17.18490	0.0	0.0	23.86210
16.9538E00	13.2876	33.74270	11.77140	33.70927	5.87420	16.09710	0.0	0.0	21.97130
16.9724E00	13.2865	30.05230	11.76790	30.01888	5.23750	13.04690	0.0	0.0	18.28440
16.9910E00	13.2854	30.71000	11.76530	30.67659	4.72830	14.21640	0.0	0.0	18.94470
17.0096E00	13.2843	30.77940	11.76320	30.74599	4.31540	14.70080	0.0	0.0	19.01620
17.0282E00	13.2832	27.19320	11.76160	27.15980	3.97640	11.45520	0.0	0.0	15.43160
17.0469E00	13.2821	26.90280	11.76040	26.86940	3.69350	11.44890	0.0	0.0	15.14240

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
16.6972E00	13.3029	0.0	0.0	124.49000	0.00284	2.43000	0.72690	1.40720	0.00280
16.7154E00	13.3018	0.0	0.0	114.45500	0.00284	2.43000	0.76530	1.37650	0.00280
16.7335E00	13.3007	0.0	0.0	105.44900	0.00284	2.43000	0.75570	1.38410	0.00280
16.7517E00	13.2996	0.0	0.0	99.61410	0.00284	2.43000	0.67590	1.45000	0.00280
16.7699E00	13.2985	0.0	0.0	85.28430	0.00284	2.43000	0.68130	1.44530	0.00281
16.7882E00	13.2974	0.0	0.0	74.67800	0.00284	2.43000	0.63550	1.48580	0.00281
16.8065E00	13.2963	0.0	0.0	62.88350	0.00284	2.43000	0.61510	1.50460	0.00281
16.8248E00	13.2952	0.0	0.0	50.49830	0.00284	2.43000	0.63260	1.48840	0.00281
16.8431E00	13.2942	0.0	0.0	46.77290	0.00284	2.43000	0.51750	1.60140	0.00281
16.8615E00	13.2931	0.0	0.0	38.72940	0.00284	2.43000	0.50800	1.61140	0.00281
16.8799E00	13.2920	0.0	0.0	35.60780	0.00284	2.43000	0.43450	1.69390	0.00282
16.8983E00	13.2909	0.0	0.0	35.59780	0.00284	2.43000	0.34080	1.81240	0.00282
16.9168E00	13.2898	0.0	0.0	26.86980	0.00284	2.43000	0.40230	1.73290	0.00282
16.9353E00	13.2887	0.0	0.0	23.86210	0.00284	2.43000	0.38860	1.75000	0.00282
16.9538E00	13.2876	0.0	0.0	21.97130	0.00284	2.43000	0.36490	1.78030	0.00282
16.9724E00	13.2865	0.0	0.0	18.28440	0.00284	2.43000	0.40140	1.73390	0.00282
16.9910E00	13.2854	0.0	0.0	18.94470	0.00284	2.43000	0.33260	1.82350	0.00282
17.0096E00	13.2843	0.0	0.0	19.01620	0.00284	2.43000	0.29350	1.87860	0.00283
17.0282E00	13.2832	0.0	0.0	15.43160	0.00284	2.43000	0.34710	1.80380	0.00283
17.0469E00	13.2821	0.0	0.0	15.14240	0.00284	2.43000	0.32260	1.83730	0.00283

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
17.0656E00	13.2810	25.97620	11.75950	25.94280	3.45670	10.76000	0.0	0.0	14.21670
17.0843E00	13.2799	28.51090	11.75880	28.47751	3.25690	13.49520	0.0	0.0	16.75210
17.1031E00	13.2788	27.25890	11.75840	27.22551	3.08630	12.41420	0.0	0.0	15.50050
17.1219E00	13.2777	23.00280	11.75810	22.96941	2.94090	8.30380	0.0	0.0	11.24470
17.1407E00	13.2766	23.94610	11.75800	23.91271	2.81640	9.37170	0.0	0.0	12.18810
17.1596E00	13.2755	24.70760	11.75800	24.67421	2.70920	10.24040	0.0	0.0	12.94960
17.1785E00	13.2744	23.92740	11.75810	23.89401	2.61730	9.55200	0.0	0.0	12.16930
17.1974E00	13.2733	24.43440	11.75830	24.40101	2.53860	10.13750	0.0	0.0	12.67610
17.2164E00	13.2722	22.41200	11.75860	22.37861	2.47120	8.18220	0.0	0.0	10.65340
17.2354E00	13.2711	23.03000	11.75900	22.99660	2.41410	8.85690	0.0	0.0	11.27100
17.2544E00	13.2700	24.92530	11.75950	24.89190	2.36620	10.79960	0.0	0.0	13.16580
17.2734E00	13.2689	23.42220	11.76000	23.38880	2.32660	9.33560	0.0	0.0	11.66220
17.2925E00	13.2678	22.40910	11.76060	22.37570	2.29440	8.35410	0.0	0.0	10.64850
17.3116E00	13.2667	23.54590	11.76130	23.51250	2.26940	9.51520	0.0	0.0	11.78460
17.3308E00	13.2656	21.68040	11.76210	21.64700	2.25080	7.66750	0.0	0.0	9.91830
17.3499E00	13.2645	22.82910	11.76290	22.79569	2.23860	8.82760	0.0	0.0	11.06620
17.3691E00	13.2634	21.75010	11.76330	21.71669	2.13100	7.85580	0.0	0.0	9.98680
17.3884E00	13.2623	22.42740	11.76430	22.39399	2.13300	8.53010	0.0	0.0	10.66310
17.4077E00	13.2612	23.20570	11.76530	23.17229	2.14090	9.29950	0.0	0.0	11.44040
17.4270E00	13.2601	21.66560	11.76650	21.63218	2.15460	7.74450	0.0	0.0	9.89910

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
17.0656E00	13.2810	0.0	0.0	14.21670	0.00284	2.43000	0.32130	1.83920	0.00283
17.0843E00	13.2799	0.0	0.0	16.75210	0.00284	2.43000	0.24130	1.95760	0.00283
17.1031E00	13.2788	0.0	0.0	15.50050	0.00284	2.43000	0.24860	1.94620	0.00283
17.1219E00	13.2777	0.0	0.0	11.24470	0.00284	2.43000	0.35420	1.79450	0.00284
17.1407E00	13.2766	0.0	0.0	12.18810	0.00284	2.43000	0.30050	1.86850	0.00284
17.1596E00	13.2755	0.0	0.0	12.94960	0.00284	2.43000	0.26460	1.92160	0.00284
17.1785E00	13.2744	0.0	0.0	12.16930	0.00284	2.43000	0.27400	1.90740	0.00284
17.1974E00	13.2733	0.0	0.0	12.67610	0.00284	2.43000	0.25040	1.94340	0.00284
17.2164E00	13.2722	0.0	0.0	10.65340	0.00284	2.43000	0.30200	1.86630	0.00284
17.2354E00	13.2711	0.0	0.0	11.27100	0.00284	2.43000	0.27260	1.90950	0.00284
17.2544E00	13.2700	0.0	0.0	13.16580	0.00284	2.43000	0.21910	1.99330	0.00285
17.2734E00	13.2689	0.0	0.0	11.66220	0.00284	2.43000	0.24920	1.94520	0.00285
17.2925E00	13.2678	0.0	0.0	10.64850	0.00284	2.43000	0.27460	1.90640	0.00285
17.3116E00	13.2667	0.0	0.0	11.78460	0.00284	2.43000	0.23850	1.96210	0.00285
17.3308E00	13.2656	0.0	0.0	9.91830	0.00284	2.43000	0.29360	1.87850	0.00285
17.3499E00	13.2645	0.0	0.0	11.06620	0.00284	2.43000	0.25360	1.93840	0.00285
17.3691E00	13.2634	0.0	0.0	9.98680	0.00284	2.43000	0.27130	1.91150	0.00286
17.3884E00	13.2623	0.0	0.0	10.66310	0.00284	2.43000	0.25010	1.94390	0.00286
17.4077E00	13.2612	0.0	0.0	11.44040	0.00284	2.43000	0.23020	1.97530	0.00286
17.4270E00	13.2601	0.0	0.0	9.89910	0.00284	2.43000	0.27820	1.90110	0.00286

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
17.4463E00	13.2590	22.25920	11.76770	22.22578	2.17430	8.31720	0.0	0.0	10.49150
17.4657E00	13.2579	22.48050	11.76900	22.44708	2.20030	8.51120	0.0	0.0	10.71150
17.4851E00	13.2567	21.83290	11.77030	21.79947	2.23290	7.82970	0.0	0.0	10.06260
17.5045E00	13.2556	22.15880	11.77180	22.12537	2.27240	8.11460	0.0	0.0	10.38700
17.5240E00	13.2545	20.65760	11.77330	20.62416	2.31980	6.56450	0.0	0.0	8.88430
17.5435E00	13.2534	21.96730	11.77500	21.93386	2.37560	7.81670	0.0	0.0	10.19230
17.5630E00	13.2523	21.45010	11.77670	21.41665	2.44090	7.23250	0.0	0.0	9.67340
17.5826E00	13.2512	23.83750	11.77860	23.80405	2.51720	9.54170	0.0	0.0	12.05890
17.6022E00	13.2501	24.11130	11.78060	24.07784	2.60600	9.72470	0.0	0.0	12.33070
17.6218E00	13.2490	25.75270	11.78280	25.71924	2.70930	11.26060	0.0	0.0	13.96990
17.6415E00	13.2478	22.11530	11.78510	22.08183	2.83050	7.49970	0.0	0.0	10.33020
17.6611E00	13.2467	25.23920	11.78760	25.20572	2.97220	10.47940	0.0	0.0	13.45160
17.6809E00	13.2456	25.88820	11.79040	25.85472	3.14140	10.95640	0.0	0.0	14.09780
17.7006E00	13.2445	27.23870	11.79340	27.20521	3.34230	12.10300	0.0	0.0	15.44530
17.8199E00	13.2378	39.19270	11.82340	39.15912	6.13920	21.23010	0.0	0.0	27.36930
17.8399E00	13.2367	40.34360	11.83250	40.31000	7.19580	21.31530	0.0	0.0	28.51110
17.8599E00	13.2355	45.50420	11.84390	45.47056	8.59230	25.06800	0.0	0.0	33.66030
17.8800E00	13.2344	56.65910	11.85820	56.62542	10.42680	34.37410	0.0	0.0	44.80090
17.9001E00	13.2333	65.21640	11.87580	65.18267	12.76720	40.57340	0.0	0.0	53.34060
17.9202E00	13.2322	76.64700	11.89700	76.61321	15.64090	49.10910	0.0	0.0	64.75000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
17.4463E00	13.2590	0.0	0.0	10.49150	0.00284	2.43000	0.26140	1.92640	0.00286
17.4657E00	13.2579	0.0	0.0	10.71150	0.00284	2.43000	0.25850	1.93080	0.00286
17.4851E00	13.2567	0.0	0.0	10.06260	0.00284	2.43000	0.28520	1.89080	0.00287
17.5045E00	13.2556	0.0	0.0	10.38700	0.00284	2.43000	0.28000	1.89840	0.00287
17.5240E00	13.2545	0.0	0.0	8.88430	0.00284	2.43000	0.35340	1.79550	0.00287
17.5435E00	13.2534	0.0	0.0	10.19230	0.00284	2.43000	0.30390	1.86360	0.00287
17.5630E00	13.2523	0.0	0.0	9.67340	0.00284	2.43000	0.33750	1.81680	0.00287
17.5826E00	13.2512	0.0	0.0	12.05890	0.00284	2.43000	0.26380	1.92280	0.00287
17.6022E00	13.2501	0.0	0.0	12.33070	0.00284	2.43000	0.26800	1.91640	0.00287
17.6218E00	13.2490	0.0	0.0	13.96990	0.00284	2.43000	0.24060	1.95870	0.00288
17.6415E00	13.2478	0.0	0.0	10.33020	0.00284	2.43000	0.37740	1.76420	0.00288
17.6611E00	13.2467	0.0	0.0	13.45160	0.00284	2.43000	0.28360	1.89310	0.00288
17.6809E00	13.2456	0.0	0.0	14.09780	0.00284	2.43000	0.28670	1.88850	0.00288
17.7006E00	13.2445	0.0	0.0	15.44530	0.00284	2.43000	0.27620	1.90420	0.00288
17.8199E00	13.2378	0.0	0.0	27.36930	0.00284	2.43000	0.28920	1.88490	0.00289
17.8399E00	13.2367	0.0	0.0	28.51110	0.00284	2.43000	0.33760	1.81670	0.00289
17.8599E00	13.2355	0.0	0.0	33.66030	0.00284	2.43000	0.34280	1.80970	0.00290
17.8800E00	13.2344	0.0	0.0	44.80090	0.00284	2.43000	0.30330	1.86440	0.00290
17.9001E00	13.2333	0.0	0.0	53.34060	0.00284	2.43000	0.31470	1.84840	0.00290
17.9202E00	13.2322	0.0	0.0	64.75000	0.00284	2.43000	0.31850	1.84300	0.00290

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
17.9404E00	13.2310	84.70380	11.92160	84.66994	19.01190	53.77030	0.0	0.0	72.78220
17.9606E00	13.2299	92.87770	11.94820	92.84377	22.69670	58.23280	0.0	0.0	80.92950
17.9808E00	13.2288	109.66800	11.97510	109.63400	26.39700	71.29550	0.0	0.0	97.69250
18.0011E00	13.2277	108.21800	11.99990	108.18400	29.72870	66.48960	0.0	0.0	96.21830
18.0214E00	13.2265	120.89900	12.01950	120.86500	32.23910	76.64030	0.0	0.0	108.87900
18.0417E00	13.2254	120.50600	12.03170	120.47200	33.56310	74.91140	0.0	0.0	108.47500
18.0621E00	13.2243	117.50900	12.03520	117.47400	33.49600	71.97730	0.0	0.0	105.47300
18.0825E00	13.2232	120.30200	12.03000	120.26700	32.05020	76.22140	0.0	0.0	108.27200
18.1029E00	13.2220	111.98800	12.01780	111.95400	29.46790	70.50240	0.0	0.0	99.97030
18.1234E00	13.2209	101.99900	12.00100	101.96500	26.12410	63.87360	0.0	0.0	89.99770
18.1439E00	13.2198	92.54150	11.98250	92.50747	22.47790	58.08110	0.0	0.0	80.55900
18.1644E00	13.2186	79.57510	11.96480	79.54112	18.92860	48.68170	0.0	0.0	67.61030
18.1850E00	13.2175	74.50060	11.94990	74.46666	15.74450	46.80620	0.0	0.0	62.55070
18.2056E00	13.2164	63.55810	11.93860	63.52419	13.09180	38.52770	0.0	0.0	51.61950
18.2263E00	13.2152	56.89750	11.93130	56.86362	10.99280	33.97340	0.0	0.0	44.96620
18.2469E00	13.2141	52.89540	11.92770	52.86153	9.42010	31.54760	0.0	0.0	40.96770
18.2677E00	13.2130	50.52480	11.92720	50.49093	8.26580	30.33180	0.0	0.0	38.59760
18.2884E00	13.2118	48.95540	11.92940	48.92152	7.45270	29.57330	0.0	0.0	37.02600
18.3092E00	13.2107	42.46640	11.93360	42.43251	6.88670	23.64610	0.0	0.0	30.53280
18.3300E00	13.2096	37.94060	11.93960	37.90669	6.50490	19.49610	0.0	0.0	26.00100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
17.9404E00	13.2310	0.0	0.0	72.78220	0.00284	2.43000	0.35360	1.79520	0.00290
17.9606E00	13.2299	0.0	0.0	80.92950	0.00284	2.43000	0.38980	1.74850	0.00290
17.9808E00	13.2288	0.0	0.0	97.69250	0.00284	2.43000	0.37020	1.77340	0.00291
18.0011E00	13.2277	0.0	0.0	96.21830	0.00284	2.43000	0.44710	1.67920	0.00291
18.0214E00	13.2265	0.0	0.0	108.87900	0.00284	2.43000	0.42070	1.71050	0.00291
18.0417E00	13.2254	0.0	0.0	108.47500	0.00284	2.43000	0.44800	1.67810	0.00291
18.0621E00	13.2243	0.0	0.0	105.47300	0.00284	2.43000	0.46540	1.65830	0.00291
18.0825E00	13.2232	0.0	0.0	108.27200	0.00284	2.43000	0.42050	1.71070	0.00291
18.1029E00	13.2220	0.0	0.0	99.97030	0.00284	2.43000	0.41800	1.71370	0.00292
18.1234E00	13.2209	0.0	0.0	89.99770	0.00284	2.43000	0.40900	1.72460	0.00292
18.1439E00	13.2198	0.0	0.0	80.55900	0.00284	2.43000	0.38700	1.75200	0.00292
18.1644E00	13.2186	0.0	0.0	67.61030	0.00284	2.43000	0.38880	1.74970	0.00292
18.1850E00	13.2175	0.0	0.0	62.55070	0.00284	2.43000	0.33640	1.81840	0.00292
18.2056E00	13.2164	0.0	0.0	51.61950	0.00284	2.43000	0.33980	1.81370	0.00292
18.2263E00	13.2152	0.0	0.0	44.96620	0.00284	2.43000	0.32360	1.83590	0.00293
18.2469E00	13.2141	0.0	0.0	40.96770	0.00284	2.43000	0.29860	1.87120	0.00293
18.2677E00	13.2130	0.0	0.0	38.59760	0.00284	2.43000	0.27250	1.90960	0.00293
18.2884E00	13.2118	0.0	0.0	37.02600	0.00284	2.43000	0.25200	1.94090	0.00293
18.3092E00	13.2107	0.0	0.0	30.53280	0.00284	2.43000	0.29120	1.88190	0.00293
18.3300E00	13.2096	0.0	0.0	26.00100	0.00284	2.43000	0.33360	1.82210	0.00293

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
18.3509E00	13.2084	42.82740	11.94700	42.79347	6.25740	24.62300	0.0	0.0	30.88040
18.3718E00	13.2073	38.36770	11.95570	38.33375	6.11210	20.29990	0.0	0.0	26.41200
18.3927E00	13.2061	38.29960	11.96570	38.26562	6.04560	20.28830	0.0	0.0	26.33390
18.4137E00	13.2050	38.11660	11.97680	38.08259	6.04250	20.09730	0.0	0.0	26.13980
18.4347E00	13.2039	38.79880	11.98920	38.76475	6.09250	20.71710	0.0	0.0	26.80960
18.4557E00	13.2027	37.34880	12.00280	37.31471	6.18870	19.15730	0.0	0.0	25.34600
18.4768E00	13.2016	40.96730	12.01770	40.93317	6.32760	22.62200	0.0	0.0	28.94960
18.4979E00	13.2004	41.24480	12.03410	41.21062	6.50630	22.70440	0.0	0.0	29.21070
18.5191E00	13.1993	36.79540	12.05220	36.76117	6.72480	18.01840	0.0	0.0	24.74320
18.5402E00	13.1982	39.54410	12.07190	39.50982	6.98140	20.49080	0.0	0.0	27.47220
18.5615E00	13.1970	38.48920	12.09370	38.45485	7.28120	19.11430	0.0	0.0	26.39550
18.5827E00	13.1959	39.11710	12.11750	39.08269	7.62250	19.37710	0.0	0.0	26.99960
18.6040E00	13.1947	43.34260	12.14390	43.30811	8.01190	23.18680	0.0	0.0	31.19870
18.6253E00	13.1936	42.70730	12.17310	42.67273	8.45210	22.08210	0.0	0.0	30.53420
18.6467E00	13.1924	41.31800	12.20550	41.28334	8.95120	20.16130	0.0	0.0	29.11250
18.6681E00	13.1913	43.09040	12.24160	43.05563	9.51410	21.33470	0.0	0.0	30.84880
18.6895E00	13.1901	44.18060	12.28150	44.14572	10.12790	21.77120	0.0	0.0	31.89910
18.7110E00	13.1890	47.83590	12.32680	47.80089	10.85140	24.65770	0.0	0.0	35.50910
18.7325E00	13.1878	50.24160	12.37790	50.20645	11.67210	26.19160	0.0	0.0	37.86370
18.7541E00	13.1867	49.22580	12.43590	49.19048	12.61080	24.17910	0.0	0.0	36.78990

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
18.3509E00	13.2084	0.0	0.0	30.88040	0.00284	2.43000	0.25410	1.93760	0.00294
18.3718E00	13.2073	0.0	0.0	26.41200	0.00284	2.43000	0.30110	1.86770	0.00294
18.3927E00	13.2061	0.0	0.0	26.33390	0.00284	2.43000	0.29800	1.87210	0.00294
18.4137E00	13.2050	0.0	0.0	26.13980	0.00284	2.43000	0.30070	1.86830	0.00294
18.4347E00	13.2039	0.0	0.0	26.80960	0.00284	2.43000	0.29410	1.87780	0.00294
18.4557E00	13.2027	0.0	0.0	25.34600	0.00284	2.43000	0.32300	1.83670	0.00294
18.4768E00	13.2016	0.0	0.0	28.94960	0.00284	2.43000	0.27970	1.89890	0.00295
18.4979E00	13.2004	0.0	0.0	29.21070	0.00284	2.43000	0.28660	1.88880	0.00295
18.5191E00	13.1993	0.0	0.0	24.74320	0.00284	2.43000	0.37320	1.76970	0.00295
18.5402E00	13.1982	0.0	0.0	27.47220	0.00284	2.43000	0.34070	1.81250	0.00295
18.5615E00	13.1970	0.0	0.0	26.39550	0.00284	2.43000	0.38090	1.75970	0.00295
18.5827E00	13.1959	0.0	0.0	26.99960	0.00284	2.43000	0.39340	1.74400	0.00295
18.6040E00	13.1947	0.0	0.0	31.19870	0.00284	2.43000	0.34550	1.80600	0.00296
18.6253E00	13.1936	0.0	0.0	30.53420	0.00284	2.43000	0.38280	1.75740	0.00296
18.6467E00	13.1924	0.0	0.0	29.11250	0.00284	2.43000	0.44400	1.68290	0.00296
18.6681E00	13.1913	0.0	0.0	30.84880	0.00284	2.43000	0.44590	1.68060	0.00296
18.6895E00	13.1901	0.0	0.0	31.89910	0.00284	2.43000	0.46520	1.65850	0.00296
18.7110E00	13.1890	0.0	0.0	35.50910	0.00284	2.43000	0.44010	1.68740	0.00296
18.7325E00	13.1878	0.0	0.0	37.86370	0.00284	2.43000	0.44560	1.68090	0.00297
18.7541E00	13.1867	0.0	0.0	36.78990	0.00284	2.43000	0.52160	1.59700	0.00297

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
18.7757E00	13.1855	53.98000	12.50210	53.94449	13.68480	27.79310	0.0	0.0	41.47790
18.7973E00	13.1844	55.18050	12.57790	55.14478	14.92010	27.68250	0.0	0.0	42.60260
18.8190E00	13.1832	56.51180	12.66580	56.47583	16.35690	27.48910	0.0	0.0	43.84600
18.8407E00	13.1821	64.05260	12.76810	64.01634	18.03320	33.25130	0.0	0.0	51.28450
18.8624E00	13.1809	65.13600	12.88820	65.09940	20.00570	32.24210	0.0	0.0	52.24780
18.8842E00	13.1798	77.00270	13.03150	76.96569	22.36120	41.61000	0.0	0.0	63.97120
18.9060E00	13.1786	79.79570	13.20360	79.75820	25.19470	41.39740	0.0	0.0	66.59210
18.9278E00	13.1775	87.94090	13.41320	87.90281	28.64910	45.87860	0.0	0.0	74.52770
18.9497E00	13.1763	96.71880	13.67390	96.67997	32.94760	50.09730	0.0	0.0	83.04490
18.9716E00	13.1752	103.49800	14.00260	103.45800	38.37070	51.12450	0.0	0.0	89.49520
18.9936E00	13.1740	120.42400	14.42770	120.38300	45.38820	60.60810	0.0	0.0	105.99600
19.0156E00	13.1728	131.89400	14.98750	131.85100	54.63150	62.27460	0.0	0.0	116.90600
19.0376E00	13.1717	149.43600	15.74070	149.39100	67.07020	66.62520	0.0	0.0	133.69500
19.0597E00	13.1705	178.12400	16.77750	178.07700	84.19630	77.15060	0.0	0.0	161.34700
19.0818E00	13.1694	217.61100	18.21200	217.55900	107.89400	91.50520	0.0	0.0	199.39900
19.1040E00	13.1682	283.97200	20.19700	283.91500	140.68600	123.08900	0.0	0.0	263.77500
19.1262E00	13.1670	364.10300	22.87220	364.03800	184.88300	156.34700	0.0	0.0	341.23000
19.1484E00	13.1659	471.14600	26.33720	471.07200	242.13000	202.67900	0.0	0.0	444.80900
19.1707E00	13.1647	609.57400	30.60320	609.48700	312.61000	266.36000	0.0	0.0	578.97000
19.1930E00	13.1635	772.16400	35.46630	772.06300	392.95700	343.74000	0.0	0.0	736.69700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
18.7757E00	13.1855	0.0	0.0	41.47790	0.00284	2.43000	0.49240	1.62830	0.00297
18.7973E00	13.1844	0.0	0.0	42.60260	0.00284	2.43000	0.53900	1.57900	0.00297
18.8190E00	13.1832	0.0	0.0	43.84600	0.00284	2.43000	0.59500	1.52350	0.00297
18.8407E00	13.1821	0.0	0.0	51.28450	0.00284	2.43000	0.54230	1.57550	0.00297
18.8624E00	13.1809	0.0	0.0	52.24780	0.00284	2.43000	0.62050	1.49960	0.00298
18.8842E00	13.1798	0.0	0.0	63.97120	0.00284	2.43000	0.53740	1.58060	0.00298
18.9060E00	13.1786	0.0	0.0	66.59210	0.00284	2.43000	0.60860	1.51060	0.00298
18.9278E00	13.1775	0.0	0.0	74.52770	0.00284	2.43000	0.62450	1.49590	0.00298
18.9497E00	13.1763	0.0	0.0	83.04490	0.00284	2.43000	0.65770	1.46590	0.00298
18.9716E00	13.1752	0.0	0.0	89.49520	0.00284	2.43000	0.75050	1.38810	0.00298
18.9936E00	13.1740	0.0	0.0	105.99600	0.00284	2.43000	0.74890	1.38950	0.00299
19.0156E00	13.1728	0.0	0.0	116.90600	0.00284	2.43000	0.87730	1.29440	0.00299
19.0376E00	13.1717	0.0	0.0	133.69500	0.00284	2.43000	1.00670	1.21100	0.00299
19.0597E00	13.1705	0.0	0.0	161.34700	0.00284	2.43000	1.09130	1.16190	0.00299
19.0818E00	13.1694	0.0	0.0	199.39900	0.00284	2.43000	1.17910	1.11510	0.00299
19.1040E00	13.1682	0.0	0.0	263.77500	0.00284	2.43000	1.14300	1.13390	0.00299
19.1262E00	13.1670	0.0	0.0	341.23000	0.00284	2.43000	1.18250	1.11340	0.00300
19.1484E00	13.1659	0.0	0.0	444.80900	0.00284	2.43000	1.19460	1.10720	0.00300
19.1707E00	13.1647	0.0	0.0	578.97000	0.00284	2.43000	1.17360	1.11790	0.00300
19.1930E00	13.1635	0.0	0.0	736.69700	0.00284	2.43000	1.14320	1.13380	0.00300

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
19.2154E00	13.1624	940.20000	40.53270	940.08500	476.66300	423.00400	0.0	0.0	899.66700
19.2378E00	13.1612	1102.26400	45.15690	1102.13600	553.06500	504.04200	0.0	0.0	1057.10700
19.2602E00	13.1601	1207.22700	48.63220	1207.08900	610.48500	548.11000	0.0	0.0	1158.59500
19.2826E00	13.1589	1248.70000	50.35200	1248.55700	638.90200	559.44600	0.0	0.0	1198.34800
19.3052E00	13.1577	1224.26400	49.98020	1224.12200	632.76300	541.52000	0.0	0.0	1174.28300
19.3277E00	13.1566	1150.20800	47.58000	1150.07300	593.11200	509.51600	0.0	0.0	1102.62800
19.3503E00	13.1554	1020.90700	43.58050	1020.78400	527.03900	450.28800	0.0	0.0	977.32700
19.3729E00	13.1542	869.88200	38.67020	869.77200	445.92000	385.29200	0.0	0.0	831.21200
19.3956E00	13.1530	709.63000	33.54150	709.53500	361.19100	314.89700	0.0	0.0	676.08800
19.4183E00	13.1519	545.53100	28.79410	545.44900	282.76600	233.97100	0.0	0.0	516.73700
19.4410E00	13.1507	428.12000	24.77090	428.05000	216.30600	187.04300	0.0	0.0	403.34900
19.4638E00	13.1495	332.80300	21.57360	332.74100	163.49300	147.73600	0.0	0.0	311.22900
19.4866E00	13.1484	257.62300	19.17160	257.56900	123.82200	114.63000	0.0	0.0	238.45200
19.5095E00	13.1472	207.30500	17.42040	207.25600	94.90540	94.97940	0.0	0.0	189.88500
19.5324E00	13.1460	167.52700	16.16870	167.48100	74.24380	77.11420	0.0	0.0	151.35800
19.5553E00	13.1448	142.23000	15.27140	142.18700	59.43950	67.51930	0.0	0.0	126.95900
19.5783E00	13.1437	120.11700	14.61550	120.07500	48.62790	56.87340	0.0	0.0	105.50100
19.6014E00	13.1425	107.94100	14.12600	107.90100	40.56840	53.24640	0.0	0.0	93.81480
19.6244E00	13.1413	93.21260	13.75490	93.17354	34.47070	44.98700	0.0	0.0	79.45770
19.6475E00	13.1401	85.51840	13.46450	85.48016	29.71260	42.34130	0.0	0.0	72.05390

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
19.2154E00	13.1624	0.0	0.0	899.66700	0.00284	2.43000	1.12690	1.14250	0.00300
19.2378E00	13.1612	0.0	0.0	1057.10700	0.00284	2.43000	1.09730	1.15870	0.00301
19.2602E00	13.1601	0.0	0.0	1158.59500	0.00284	2.43000	1.11380	1.14960	0.00301
19.2826E00	13.1589	0.0	0.0	1198.34800	0.00284	2.43000	1.14200	1.13440	0.00301
19.3052E00	13.1577	0.0	0.0	1174.28300	0.00284	2.43000	1.16850	1.12060	0.00301
19.3277E00	13.1566	0.0	0.0	1102.62800	0.00284	2.43000	1.16410	1.12290	0.00301
19.3503E00	13.1554	0.0	0.0	977.32700	0.00284	2.43000	1.17040	1.11960	0.00301
19.3729E00	13.1542	0.0	0.0	831.21200	0.00284	2.43000	1.15740	1.12640	0.00302
19.3956E00	13.1530	0.0	0.0	676.08800	0.00284	2.43000	1.14700	1.13180	0.00302
19.4183E00	13.1519	0.0	0.0	516.73700	0.00284	2.43000	1.20860	1.10030	0.00302
19.4410E00	13.1507	0.0	0.0	403.34900	0.00284	2.43000	1.15650	1.12690	0.00302
19.4638E00	13.1495	0.0	0.0	311.22900	0.00284	2.43000	1.10670	1.15350	0.00302
19.4866E00	13.1484	0.0	0.0	238.45200	0.00284	2.43000	1.08020	1.16820	0.00302
19.5095E00	13.1472	0.0	0.0	189.88500	0.00284	2.43000	0.99920	1.21550	0.00303
19.5324E00	13.1460	0.0	0.0	151.35800	0.00284	2.43000	0.96280	1.23800	0.00303
19.5553E00	13.1448	0.0	0.0	126.95900	0.00284	2.43000	0.88030	1.29230	0.00303
19.5783E00	13.1437	0.0	0.0	105.50100	0.00284	2.43000	0.85500	1.31000	0.00303
19.6014E00	13.1425	0.0	0.0	93.81480	0.00284	2.43000	0.76190	1.37920	0.00303
19.6244E00	13.1413	0.0	0.0	79.45770	0.00284	2.43000	0.76620	1.37580	0.00304
19.6475E00	13.1401	0.0	0.0	72.05390	0.00284	2.43000	0.70170	1.42790	0.00304

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
19.6707E00	13.1390	76.93260	13.23280	76.89502	25.93120	37.76860	0.0	0.0	63.69980
19.6939E00	13.1378	72.36960	13.04550	72.33255	22.89150	36.43260	0.0	0.0	59.32410
19.7171E00	13.1366	64.07820	12.91040	64.04153	20.86640	30.30140	0.0	0.0	51.16780
19.7404E00	13.1354	64.35100	12.78250	64.31470	18.84300	32.72550	0.0	0.0	51.56850
19.7637E00	13.1342	59.68290	12.67510	59.64690	17.17860	29.82920	0.0	0.0	47.00780
19.7870E00	13.1331	59.42660	12.58400	59.39086	15.81250	31.03010	0.0	0.0	46.84260
19.8104E00	13.1319	55.95380	12.50570	55.91828	14.70110	28.74700	0.0	0.0	43.44810
19.8339E00	13.1307	57.78710	12.43820	57.75178	13.82560	31.52330	0.0	0.0	45.34890
19.8574E00	13.1295	53.93460	12.38000	53.89944	13.18710	28.36750	0.0	0.0	41.55460
19.8809E00	13.1283	51.20670	12.32960	51.17168	12.79830	26.07880	0.0	0.0	38.87710
19.9044E00	13.1272	52.23980	12.28600	52.20491	12.68680	27.26700	0.0	0.0	39.95380
19.9280E00	13.1260	50.31270	12.24820	50.27792	12.88800	25.17650	0.0	0.0	38.06450
19.9517E00	13.1248	56.94850	12.21570	56.91381	13.43030	31.30250	0.0	0.0	44.73280
19.9754E00	13.1236	50.86070	12.18800	50.82609	14.30470	24.36800	0.0	0.0	38.67270
19.9991E00	13.1224	53.17490	12.16440	53.14035	15.44270	25.56780	0.0	0.0	41.01050
20.0229E00	13.1212	65.88320	12.14390	65.84871	16.70440	37.03490	0.0	0.0	53.73930
20.0467E00	13.1200	60.96010	12.12560	60.92566	17.86760	30.96690	0.0	0.0	48.83450
20.0706E00	13.1188	63.39100	12.10860	63.35661	18.68880	32.59360	0.0	0.0	51.28240
20.0945E00	13.1176	64.81670	12.09190	64.78236	18.95260	33.77220	0.0	0.0	52.72480
20.1184E00	13.1165	62.03190	12.07520	61.99761	18.55450	31.40220	0.0	0.0	49.95670

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
19.6707E00	13.1390	0.0	0.0	63.69980	0.00284	2.43000	0.68660	1.44080	0.00304
19.6939E00	13.1378	0.0	0.0	59.32410	0.00284	2.43000	0.62830	1.49230	0.00304
19.7171E00	13.1366	0.0	0.0	51.16780	0.00284	2.43000	0.68860	1.43900	0.00304
19.7404E00	13.1354	0.0	0.0	51.56850	0.00284	2.43000	0.57580	1.54210	0.00304
19.7637E00	13.1342	0.0	0.0	47.00780	0.00284	2.43000	0.57590	1.54200	0.00305
19.7870E00	13.1331	0.0	0.0	46.84260	0.00284	2.43000	0.50960	1.60970	0.00305
19.8104E00	13.1319	0.0	0.0	43.44810	0.00284	2.43000	0.51140	1.60780	0.00305
19.8339E00	13.1307	0.0	0.0	45.34890	0.00284	2.43000	0.43860	1.68920	0.00305
19.8574E00	13.1295	0.0	0.0	41.55460	0.00284	2.43000	0.46490	1.65890	0.00305
19.8809E00	13.1283	0.0	0.0	38.87710	0.00284	2.43000	0.49080	1.63000	0.00306
19.9044E00	13.1272	0.0	0.0	39.95380	0.00284	2.43000	0.46530	1.65840	0.00306
19.9280E00	13.1260	0.0	0.0	38.06450	0.00284	2.43000	0.51190	1.60720	0.00306
19.9517E00	13.1248	0.0	0.0	44.73280	0.00284	2.43000	0.42910	1.70040	0.00306
19.9754E00	13.1236	0.0	0.0	38.67270	0.00284	2.43000	0.58700	1.53120	0.00306
19.9991E00	13.1224	0.0	0.0	41.01050	0.00284	2.43000	0.60400	1.51500	0.00306
20.0229E00	13.1212	0.0	0.0	53.73930	0.00284	2.43000	0.45100	1.67470	0.00307
20.0467E00	13.1200	0.0	0.0	48.83450	0.00284	2.43000	0.57700	1.54090	0.00307
20.0706E00	13.1188	0.0	0.0	51.28240	0.00284	2.43000	0.57340	1.54440	0.00307
20.0945E00	13.1176	0.0	0.0	52.72480	0.00284	2.43000	0.56120	1.55650	0.00307
20.1184E00	13.1165	0.0	0.0	49.95670	0.00284	2.43000	0.59090	1.52750	0.00307

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
20.1424E00	13.1153	62.25640	12.05820	62.22215	17.52680	32.67140	0.0	0.0	50.19820
20.1664E00	13.1141	63.12510	12.04130	63.09090	16.03810	35.04570	0.0	0.0	51.08380
20.1905E00	13.1129	54.69780	12.02510	54.66365	14.32210	28.35060	0.0	0.0	42.67270
20.2146E00	13.1117	50.49030	12.01030	50.45619	12.62850	25.85150	0.0	0.0	38.48000
20.2388E00	13.1105	49.90600	11.99730	49.87193	11.13900	26.76970	0.0	0.0	37.90870
20.2630E00	13.1093	47.17360	11.98650	47.13956	9.96850	25.21860	0.0	0.0	35.18710
20.2872E00	13.1081	44.03050	11.97780	43.99648	9.15590	22.89680	0.0	0.0	32.05270
20.3115E00	13.1069	42.70460	11.97130	42.67060	8.70230	22.03100	0.0	0.0	30.73330
20.3358E00	13.1057	43.96000	11.96720	43.92601	8.61340	23.37940	0.0	0.0	31.99280
20.3602E00	13.1045	42.91760	11.96590	42.88362	8.94710	22.00460	0.0	0.0	30.95170
20.3846E00	13.1033	44.16940	11.96750	44.13541	9.78080	22.42110	0.0	0.0	32.20190
20.4091E00	13.1021	47.56850	11.97320	47.53450	11.32820	24.26710	0.0	0.0	35.59530
20.4336E00	13.1009	50.06950	11.98420	50.03546	13.83280	24.25250	0.0	0.0	38.08530
20.4582E00	13.0997	56.23240	12.00160	56.19832	17.52770	26.70310	0.0	0.0	44.23080
20.4827E00	13.0985	66.75110	12.02560	66.71695	22.45050	32.27500	0.0	0.0	54.72550
20.5074E00	13.0973	72.40190	12.05590	72.36766	28.43040	31.91560	0.0	0.0	60.34600
20.5321E00	13.0961	82.88560	12.08940	82.85127	34.75300	36.04320	0.0	0.0	70.79620
20.5568E00	13.0949	94.09890	12.12190	94.06447	40.36880	41.60820	0.0	0.0	81.97700
20.5816E00	13.0937	100.51300	12.14890	100.47900	44.16480	44.19960	0.0	0.0	88.36440
20.6064E00	13.0925	101.54900	12.16740	101.51500	45.28830	44.09370	0.0	0.0	89.38200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
20.1424E00	13.1153	0.0	0.0	50.19820	0.00284	2.43000	0.53650	1.58160	0.00308
20.1664E00	13.1141	0.0	0.0	51.08380	0.00284	2.43000	0.45760	1.66710	0.00308
20.1905E00	13.1129	0.0	0.0	42.67270	0.00284	2.43000	0.50520	1.61440	0.00308
20.2146E00	13.1117	0.0	0.0	38.48000	0.00284	2.43000	0.48850	1.63250	0.00308
20.2388E00	13.1105	0.0	0.0	37.90870	0.00284	2.43000	0.41610	1.71600	0.00308
20.2630E00	13.1093	0.0	0.0	35.18710	0.00284	2.43000	0.39530	1.74160	0.00308
20.2872E00	13.1081	0.0	0.0	32.05270	0.00284	2.43000	0.39990	1.73590	0.00309
20.3115E00	13.1069	0.0	0.0	30.73330	0.00284	2.43000	0.39500	1.74190	0.00309
20.3358E00	13.1057	0.0	0.0	31.99280	0.00284	2.43000	0.36840	1.77580	0.00309
20.3602E00	13.1045	0.0	0.0	30.95170	0.00284	2.43000	0.40660	1.72760	0.00309
20.3846E00	13.1033	0.0	0.0	32.20190	0.00284	2.43000	0.43620	1.69190	0.00309
20.4091E00	13.1021	0.0	0.0	35.59530	0.00284	2.43000	0.46680	1.65670	0.00310
20.4336E00	13.1009	0.0	0.0	38.08530	0.00284	2.43000	0.57040	1.54740	0.00310
20.4582E00	13.0997	0.0	0.0	44.23080	0.00284	2.43000	0.65640	1.46700	0.00310
20.4827E00	13.0985	0.0	0.0	54.72550	0.00284	2.43000	0.69560	1.43310	0.00310
20.5074E00	13.0973	0.0	0.0	60.34600	0.00284	2.43000	0.89080	1.28520	0.00310
20.5321E00	13.0961	0.0	0.0	70.79620	0.00284	2.43000	0.96420	1.23710	0.00310
20.5568E00	13.0949	0.0	0.0	81.97700	0.00284	2.43000	0.97020	1.23340	0.00311
20.5816E00	13.0937	0.0	0.0	88.36440	0.00284	2.43000	0.99920	1.21550	0.00311
20.6064E00	13.0925	0.0	0.0	89.38200	0.00284	2.43000	1.02710	1.19880	0.00311

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
20.6313E00	13.0913	98.20790	12.17730	98.17332	43.56190	42.46870	0.0	0.0	86.03060
20.6562E00	13.0901	93.19050	12.18260	93.15590	39.57690	41.43100	0.0	0.0	81.00790
20.6811E00	13.0889	82.41350	12.18980	82.37888	34.44700	35.77670	0.0	0.0	70.22370
20.7061E00	13.0877	74.59120	12.20720	74.55653	29.39570	32.98830	0.0	0.0	62.38400
20.7312E00	13.0865	65.56610	12.24410	65.53133	25.46880	27.85320	0.0	0.0	53.32200
20.7563E00	13.0852	63.50610	12.31130	63.47114	23.35840	27.83640	0.0	0.0	51.19480
20.7814E00	13.0840	63.74400	12.42450	63.70871	23.49990	27.81960	0.0	0.0	51.31950
20.8066E00	13.0828	66.42760	12.61230	66.39178	26.43790	27.37740	0.0	0.0	53.81530
20.8318E00	13.0816	78.30890	12.84020	78.27243	31.82850	33.64020	0.0	0.0	65.46870
20.8571E00	13.0804	94.20350	13.36610	94.16554	44.39300	36.44440	0.0	0.0	80.83740
20.8824E00	13.0792	125.22500	14.21800	125.18500	65.46830	45.53880	0.0	0.0	111.00700
20.9078E00	13.0780	170.38700	15.52280	170.34300	98.15980	56.70420	0.0	0.0	154.86400
20.9332E00	13.0768	238.30900	17.35610	238.26000	144.31800	76.63580	0.0	0.0	220.95300
20.9586E00	13.0755	327.58000	19.68450	327.52400	203.06800	104.82800	0.0	0.0	307.89600
20.9841E00	13.0743	443.15700	22.29240	443.09300	268.92700	151.93700	0.0	0.0	420.86400
21.0097E00	13.0731	520.42600	24.74370	520.35600	330.85300	164.83000	0.0	0.0	495.68300
21.0353E00	13.0719	589.49800	26.49660	589.42300	375.12800	187.87400	0.0	0.0	563.00200
21.0609E00	13.0707	612.32100	27.10750	612.24400	390.51900	194.69500	0.0	0.0	585.21400
21.0866E00	13.0695	576.89100	26.40090	576.81600	372.58600	177.90400	0.0	0.0	550.49000
21.1124E00	13.0682	504.82700	24.56060	504.75700	325.97400	154.29300	0.0	0.0	480.26700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
20.6313E00	13.0913	0.0	0.0	86.03060	0.00284	2.43000	1.02570	1.19960	0.00311
20.6562E00	13.0901	0.0	0.0	81.00790	0.00284	2.43000	0.95520	1.24280	0.00311
20.6811E00	13.0889	0.0	0.0	70.22370	0.00284	2.43000	0.96280	1.23800	0.00312
20.7061E00	13.0877	0.0	0.0	62.38400	0.00284	2.43000	0.89110	1.28500	0.00312
20.7312E00	13.0865	0.0	0.0	53.32200	0.00284	2.43000	0.91440	1.26930	0.00312
20.7563E00	13.0852	0.0	0.0	51.19480	0.00284	2.43000	0.83910	1.32130	0.00312
20.7814E00	13.0840	0.0	0.0	51.31950	0.00284	2.43000	0.84470	1.31730	0.00312
20.8066E00	13.0828	0.0	0.0	53.81530	0.00284	2.43000	0.96570	1.23620	0.00313
20.8318E00	13.0816	0.0	0.0	65.46870	0.00284	2.43000	0.94610	1.24860	0.00313
20.8571E00	13.0804	0.0	0.0	80.83740	0.00284	2.43000	1.21810	1.09550	0.00313
20.8824E00	13.0792	0.0	0.0	111.00700	0.00284	2.43000	1.43760	0.99690	0.00313
20.9078E00	13.0780	0.0	0.0	154.86400	0.00284	2.43000	1.73110	0.88980	0.00313
20.9332E00	13.0768	0.0	0.0	220.95300	0.00284	2.43000	1.88320	0.84280	0.00313
20.9586E00	13.0755	0.0	0.0	307.89600	0.00284	2.43000	1.93720	0.82730	0.00314
20.9841E00	13.0743	0.0	0.0	420.86400	0.00284	2.43000	1.77000	0.87730	0.00314
21.0097E00	13.0731	0.0	0.0	495.68300	0.00284	2.43000	2.00720	0.80810	0.00314
21.0353E00	13.0719	0.0	0.0	563.00200	0.00284	2.43000	1.99670	0.81090	0.00314
21.0609E00	13.0707	0.0	0.0	585.21400	0.00284	2.43000	2.00580	0.80840	0.00314
21.0866E00	13.0695	0.0	0.0	550.49000	0.00284	2.43000	2.09430	0.78530	0.00315
21.1124E00	13.0682	0.0	0.0	480.26700	0.00284	2.43000	2.11270	0.78070	0.00315

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
21.1382E00	13.0670	414.95300	22.05450	414.89000	262.52200	130.37600	0.0	0.0	392.89800
21.1640E00	13.0658	313.91800	19.42570	313.86300	195.96900	98.52330	0.0	0.0	294.49300
21.1899E00	13.0646	226.90100	17.10010	226.85200	137.09700	72.70310	0.0	0.0	209.80100
21.2158E00	13.0633	164.35600	15.30200	164.31200	91.57490	57.47860	0.0	0.0	149.05400
21.2418E00	13.0621	117.48200	14.04220	117.44200	59.67600	43.76330	0.0	0.0	103.43900
21.2678E00	13.0609	84.20620	13.23360	84.16862	39.19910	31.77350	0.0	0.0	70.97260
21.2939E00	13.0597	68.02950	12.74100	67.99332	26.71790	28.57060	0.0	0.0	55.28850
21.3200E00	13.0585	55.31530	12.44540	55.27996	19.22650	23.64340	0.0	0.0	42.86990
21.3462E00	13.0572	44.49320	12.26200	44.45838	14.57390	17.65730	0.0	0.0	32.23120
21.3724E00	13.0560	42.07180	12.14250	42.03732	11.54090	18.38840	0.0	0.0	29.92930
21.3986E00	13.0548	36.04730	12.06010	36.01305	9.44940	14.53780	0.0	0.0	23.98720
21.4249E00	13.0535	35.91930	12.00030	35.88522	7.92970	15.98930	0.0	0.0	23.91900
21.4513E00	13.0523	34.88090	11.95520	34.84695	6.78210	16.14360	0.0	0.0	22.92570
21.4777E00	13.0511	32.64260	11.92020	32.60875	5.89200	14.83040	0.0	0.0	20.72240
21.5042E00	13.0498	31.00280	11.89220	30.96903	5.18210	13.92850	0.0	0.0	19.11060
21.5307E00	13.0486	31.77610	11.86960	31.74239	4.60730	15.29920	0.0	0.0	19.90650
21.5572E00	13.0474	30.87660	11.85090	30.84294	4.13440	14.89130	0.0	0.0	19.02570
21.5838E00	13.0462	27.93370	11.83530	27.90009	3.73900	12.35940	0.0	0.0	16.09840
21.6105E00	13.0449	29.12150	11.82210	29.08793	3.40520	13.89420	0.0	0.0	17.29940
21.6372E00	13.0437	29.49980	11.81080	29.46626	3.12190	14.56710	0.0	0.0	17.68900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
21.1382E00	13.0670	0.0	0.0	392.89800	0.00284	2.43000	2.01360	0.80640	0.00315
21.1640E00	13.0658	0.0	0.0	294.49300	0.00284	2.43000	1.98910	0.81300	0.00315
21.1899E00	13.0646	0.0	0.0	209.80100	0.00284	2.43000	1.88570	0.84210	0.00315
21.2158E00	13.0633	0.0	0.0	149.05400	0.00284	2.43000	1.59320	0.93710	0.00316
21.2418E00	13.0621	0.0	0.0	103.43900	0.00284	2.43000	1.36360	1.02810	0.00316
21.2678E00	13.0609	0.0	0.0	70.97260	0.00284	2.43000	1.23370	1.08790	0.00316
21.2939E00	13.0597	0.0	0.0	55.28850	0.00284	2.43000	0.93520	1.25570	0.00316
21.3200E00	13.0585	0.0	0.0	42.86990	0.00284	2.43000	0.81320	1.34020	0.00316
21.3462E00	13.0572	0.0	0.0	32.23120	0.00284	2.43000	0.82540	1.33120	0.00317
21.3724E00	13.0560	0.0	0.0	29.92930	0.00284	2.43000	0.62760	1.49300	0.00317
21.3986E00	13.0548	0.0	0.0	23.98720	0.00284	2.43000	0.65000	1.47270	0.00317
21.4249E00	13.0535	0.0	0.0	23.91900	0.00284	2.43000	0.49590	1.62440	0.00317
21.4513E00	13.0523	0.0	0.0	22.92570	0.00284	2.43000	0.42010	1.71110	0.00317
21.4777E00	13.0511	0.0	0.0	20.72240	0.00284	2.43000	0.39730	1.73910	0.00318
21.5042E00	13.0498	0.0	0.0	19.11060	0.00284	2.43000	0.37210	1.77110	0.00318
21.5307E00	13.0486	0.0	0.0	19.90650	0.00284	2.43000	0.30110	1.86760	0.00318
21.5572E00	13.0474	0.0	0.0	19.02570	0.00284	2.43000	0.27760	1.90190	0.00318
21.5838E00	13.0462	0.0	0.0	16.09840	0.00284	2.43000	0.30250	1.86560	0.00318
21.6105E00	13.0449	0.0	0.0	17.29940	0.00284	2.43000	0.24510	1.95170	0.00319
21.6372E00	13.0437	0.0	0.0	17.68900	0.00284	2.43000	0.21430	2.00110	0.00319

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
21.6640E00	13.0424	28.01770	11.80110	27.98418	2.87880	13.33780	0.0	0.0	16.21660
21.6908E00	13.0412	28.03470	11.79270	28.00121	2.66990	13.57210	0.0	0.0	16.24200
21.7176E00	13.0400	28.72690	11.78540	28.69343	2.48940	14.45210	0.0	0.0	16.94150
21.7445E00	13.0387	28.47730	11.77900	28.44385	2.33230	14.36600	0.0	0.0	16.69830
21.7715E00	13.0375	26.14380	11.77330	26.11036	2.19520	12.17530	0.0	0.0	14.37050
21.7985E00	13.0363	26.49400	11.76830	26.46058	2.07600	12.64970	0.0	0.0	14.72570
21.8255E00	13.0350	26.30080	11.76390	26.26739	1.97210	12.56480	0.0	0.0	14.53690
21.8526E00	13.0338	25.64010	11.75990	25.60670	1.88150	11.99870	0.0	0.0	13.88020
21.8798E00	13.0325	26.91860	11.75640	26.88521	1.80270	13.35950	0.0	0.0	15.16220
21.9070E00	13.0313	25.02310	11.75320	24.98972	1.73480	11.53510	0.0	0.0	13.26990
21.9342E00	13.0300	26.08240	11.75040	26.04903	1.67670	12.65530	0.0	0.0	14.33200
21.9616E00	13.0288	24.58030	11.74790	24.54694	1.62740	11.20500	0.0	0.0	12.83240
21.9889E00	13.0276	24.36610	11.74560	24.33274	1.58670	11.03380	0.0	0.0	12.62050
22.0163E00	13.0263	25.17320	11.74940	25.13983	1.75330	11.67050	0.0	0.0	13.42380
22.0438E00	13.0251	24.90880	11.74780	24.87544	1.73630	11.42470	0.0	0.0	13.16100
22.0713E00	13.0238	24.17170	11.74640	24.13834	1.72720	10.69810	0.0	0.0	12.42530
22.0989E00	13.0226	25.91540	11.74520	25.88204	1.72590	12.44430	0.0	0.0	14.17020
22.1265E00	13.0213	26.22800	11.74420	26.19465	1.73260	12.75120	0.0	0.0	14.48380
22.1541E00	13.0201	22.49490	11.74340	22.46155	1.74750	9.00400	0.0	0.0	10.75150
22.1819E00	13.0188	25.41260	11.74280	25.37925	1.77110	11.89870	0.0	0.0	13.66980

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
21.6640E00	13.0424	0.0	0.0	16.21660	0.00284	2.43000	0.21580	1.99860	0.00319
21.6908E00	13.0412	0.0	0.0	16.24200	0.00284	2.43000	0.19670	2.03060	0.00319
21.7176E00	13.0400	0.0	0.0	16.94150	0.00284	2.43000	0.17230	2.07290	0.00319
21.7445E00	13.0387	0.0	0.0	16.69830	0.00284	2.43000	0.16230	2.09060	0.00319
21.7715E00	13.0375	0.0	0.0	14.37050	0.00284	2.43000	0.18030	2.05880	0.00320
21.7985E00	13.0363	0.0	0.0	14.72570	0.00284	2.43000	0.16410	2.08740	0.00320
21.8255E00	13.0350	0.0	0.0	14.53690	0.00284	2.43000	0.15700	2.10030	0.00320
21.8526E00	13.0338	0.0	0.0	13.88020	0.00284	2.43000	0.15680	2.10060	0.00320
21.8798E00	13.0325	0.0	0.0	15.16220	0.00284	2.43000	0.13490	2.14110	0.00320
21.9070E00	13.0313	0.0	0.0	13.26990	0.00284	2.43000	0.15040	2.11230	0.00321
21.9342E00	13.0300	0.0	0.0	14.33200	0.00284	2.43000	0.13250	2.14570	0.00321
21.9616E00	13.0288	0.0	0.0	12.83240	0.00284	2.43000	0.14520	2.12180	0.00321
21.9889E00	13.0276	0.0	0.0	12.62050	0.00284	2.43000	0.14380	2.12450	0.00321
22.0163E00	13.0263	0.0	0.0	13.42380	0.00284	2.43000	0.15020	2.11260	0.00321
22.0438E00	13.0251	0.0	0.0	13.16100	0.00284	2.43000	0.15200	2.10940	0.00322
22.0713E00	13.0238	0.0	0.0	12.42530	0.00284	2.43000	0.16140	2.09220	0.00322
22.0989E00	13.0226	0.0	0.0	14.17020	0.00284	2.43000	0.13870	2.13400	0.00322
22.1265E00	13.0213	0.0	0.0	14.48380	0.00284	2.43000	0.13590	2.13930	0.00322
22.1541E00	13.0201	0.0	0.0	10.75150	0.00284	2.43000	0.19410	2.03500	0.00322
22.1819E00	13.0188	0.0	0.0	13.66980	0.00284	2.43000	0.14890	2.11520	0.00323

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
22.2096E00	13.0176	23.53840	11.74240	23.50505	1.80390	9.99210	0.0	0.0	11.79600
22.2375E00	13.0163	27.68680	11.74210	27.65345	1.84700	14.09770	0.0	0.0	15.94470
22.2653E00	13.0151	26.23580	11.74200	26.20245	1.90110	12.59270	0.0	0.0	14.49380
22.2933E00	13.0138	23.20520	11.74220	23.17185	1.96830	9.49470	0.0	0.0	11.46300
22.3212E00	13.0126	26.04310	11.74250	26.00975	2.04970	12.25090	0.0	0.0	14.30060
22.3493E00	13.0113	24.88060	11.74310	24.84725	2.14860	10.98890	0.0	0.0	13.13750
22.3774E00	13.0100	23.96630	11.74400	23.93295	2.26770	9.95460	0.0	0.0	12.22230
22.4055E00	13.0088	25.13160	11.74510	25.09824	2.41140	10.97510	0.0	0.0	13.38650
22.4337E00	13.0075	25.92780	11.74670	25.89444	2.58580	11.59530	0.0	0.0	14.18110
22.4619E00	13.0063	24.83770	11.74870	24.80433	2.79870	10.29030	0.0	0.0	13.08900
22.4902E00	13.0050	25.24920	11.75130	25.21583	3.06220	10.43570	0.0	0.0	13.49790
22.5186E00	13.0038	27.06520	11.75460	27.03182	3.39370	11.91690	0.0	0.0	15.31060
22.5470E00	13.0025	27.48640	11.75900	27.45300	3.81800	11.90940	0.0	0.0	15.72740
22.5754E00	13.0012	28.12850	11.76470	28.09509	4.37570	11.98810	0.0	0.0	16.36380
22.6040E00	13.0000	28.96920	11.77270	28.93577	5.14020	12.05630	0.0	0.0	17.19650
22.6325E00	12.9987	29.74410	11.78410	29.71063	6.22240	11.73760	0.0	0.0	17.96000
22.6611E00	12.9974	33.09080	11.80100	33.05729	7.83900	13.45060	0.0	0.0	21.28980
22.6898E00	12.9962	37.03540	11.82730	37.00181	10.35940	14.84870	0.0	0.0	25.20810
22.7186E00	12.9949	45.92260	11.86900	45.88889	14.37210	19.68150	0.0	0.0	34.05360
22.7473E00	12.9936	55.86290	11.93360	55.82901	20.59940	23.32990	0.0	0.0	43.92930

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
22.2096E00	13.0176	0.0	0.0	11.79600	0.00284	2.43000	0.18050	2.05840	0.00323
22.2375E00	13.0163	0.0	0.0	15.94470	0.00284	2.43000	0.13100	2.14850	0.00323
22.2653E00	13.0151	0.0	0.0	14.49380	0.00284	2.43000	0.15100	2.11130	0.00323
22.2933E00	13.0138	0.0	0.0	11.46300	0.00284	2.43000	0.20730	2.01270	0.00324
22.3212E00	13.0126	0.0	0.0	14.30060	0.00284	2.43000	0.16730	2.08170	0.00324
22.3493E00	13.0113	0.0	0.0	13.13750	0.00284	2.43000	0.19550	2.03260	0.00324
22.3774E00	13.0100	0.0	0.0	12.22230	0.00284	2.43000	0.22780	1.97910	0.00324
22.4055E00	13.0088	0.0	0.0	13.38650	0.00284	2.43000	0.21970	1.99230	0.00324
22.4337E00	13.0075	0.0	0.0	14.18110	0.00284	2.43000	0.22300	1.98690	0.00325
22.4619E00	13.0063	0.0	0.0	13.08900	0.00284	2.43000	0.27200	1.91040	0.00325
22.4902E00	13.0050	0.0	0.0	13.49790	0.00284	2.43000	0.29340	1.87870	0.00325
22.5186E00	13.0038	0.0	0.0	15.31060	0.00284	2.43000	0.28480	1.89140	0.00325
22.5470E00	13.0025	0.0	0.0	15.72740	0.00284	2.43000	0.32060	1.84010	0.00325
22.5754E00	13.0012	0.0	0.0	16.36380	0.00284	2.43000	0.36500	1.78020	0.00326
22.6040E00	13.0000	0.0	0.0	17.19650	0.00284	2.43000	0.42630	1.70370	0.00326
22.6325E00	12.9987	0.0	0.0	17.96000	0.00284	2.43000	0.53010	1.58810	0.00326
22.6611E00	12.9974	0.0	0.0	21.28980	0.00284	2.43000	0.58280	1.53530	0.00326
22.6898E00	12.9962	0.0	0.0	25.20810	0.00284	2.43000	0.69770	1.43140	0.00326
22.7186E00	12.9949	0.0	0.0	34.05360	0.00284	2.43000	0.73020	1.40440	0.00327
22.7473E00	12.9936	0.0	0.0	43.92930	0.00284	2.43000	0.88300	1.29050	0.00327

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
22.7762E00	12.9924	71.37680	12.02920	71.34264	29.82390	29.52370	0.0	0.0	59.34760
22.8051E00	12.9911	91.31570	12.15810	91.28117	42.26910	36.88850	0.0	0.0	79.15760
22.8340E00	12.9898	115.86100	12.31290	115.82600	57.21510	46.33260	0.0	0.0	103.54800
22.8630E00	12.9886	148.52200	12.47240	148.48600	72.60940	63.43990	0.0	0.0	136.04900
22.8921E00	12.9873	164.56800	12.60360	164.53200	85.22640	66.73750	0.0	0.0	151.96400
22.9212E00	12.9860	176.87800	12.67250	176.84200	91.78090	72.42450	0.0	0.0	164.20500
22.9504E00	12.9848	175.99400	12.66010	175.95800	90.41070	72.92320	0.0	0.0	163.33400
22.9796E00	12.9835	158.05900	12.57140	158.02300	81.58900	63.89840	0.0	0.0	145.48700
23.0089E00	12.9822	133.88000	12.43260	133.84500	67.87570	53.57160	0.0	0.0	121.44700
23.0382E00	12.9809	108.11100	12.28030	108.07600	52.79530	43.03500	0.0	0.0	95.83030
23.0676E00	12.9797	87.61050	12.14500	87.57601	39.31010	36.15540	0.0	0.0	75.46550
23.0971E00	12.9784	68.30360	12.04450	68.26939	29.11350	27.14560	0.0	0.0	56.25910
23.1266E00	12.9771	58.01940	11.98380	57.98537	22.67530	23.36030	0.0	0.0	46.03560
23.1561E00	12.9758	53.57790	11.96170	53.54393	19.81280	21.80340	0.0	0.0	41.61620
23.1858E00	12.9746	52.71310	11.98050	52.67908	20.62320	20.10940	0.0	0.0	40.73260
23.2154E00	12.9733	60.56010	12.04200	60.52590	25.20250	23.31560	0.0	0.0	48.51810
23.2452E00	12.9720	73.58670	12.16130	73.55216	34.74810	26.67730	0.0	0.0	61.42540
23.2750E00	12.9707	96.10310	12.34950	96.06803	50.12460	33.62900	0.0	0.0	83.75360
23.3048E00	12.9694	135.06400	12.60880	135.02800	71.24860	51.20660	0.0	0.0	122.45500
23.3347E00	12.9682	162.28400	12.92070	162.24700	96.00710	53.35570	0.0	0.0	149.36300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
22.7762E00	12.9924	0.0	0.0	59.34760	0.00284	2.43000	1.01020	1.20890	0.00327
22.8051E00	12.9911	0.0	0.0	79.15760	0.00284	2.43000	1.14590	1.13240	0.00327
22.8340E00	12.9898	0.0	0.0	103.54800	0.00284	2.43000	1.23490	1.08730	0.00327
22.8630E00	12.9886	0.0	0.0	136.04900	0.00284	2.43000	1.14450	1.13310	0.00328
22.8921E00	12.9873	0.0	0.0	151.96400	0.00284	2.43000	1.27700	1.06720	0.00328
22.9212E00	12.9860	0.0	0.0	164.20500	0.00284	2.43000	1.26730	1.07180	0.00328
22.9504E00	12.9848	0.0	0.0	163.33400	0.00284	2.43000	1.23980	1.08490	0.00328
22.9796E00	12.9835	0.0	0.0	145.48700	0.00284	2.43000	1.27690	1.06730	0.00328
23.0089E00	12.9822	0.0	0.0	121.44700	0.00284	2.43000	1.26700	1.07190	0.00329
23.0382E00	12.9809	0.0	0.0	95.83030	0.00284	2.43000	1.22680	1.09130	0.00329
23.0676E00	12.9797	0.0	0.0	75.46550	0.00284	2.43000	1.08730	1.16420	0.00329
23.0971E00	12.9784	0.0	0.0	56.25910	0.00284	2.43000	1.07250	1.17250	0.00329
23.1266E00	12.9771	0.0	0.0	46.03560	0.00284	2.43000	0.97070	1.23310	0.00329
23.1561E00	12.9758	0.0	0.0	41.61620	0.00284	2.43000	0.90870	1.27310	0.00330
23.1858E00	12.9746	0.0	0.0	40.73260	0.00284	2.43000	1.02560	1.19970	0.00330
23.2154E00	12.9733	0.0	0.0	48.51810	0.00284	2.43000	1.08090	1.16770	0.00330
23.2452E00	12.9720	0.0	0.0	61.42540	0.00284	2.43000	1.30250	1.05540	0.00330
23.2750E00	12.9707	0.0	0.0	83.75360	0.00284	2.43000	1.49050	0.97570	0.00331
23.3048E00	12.9694	0.0	0.0	122.45500	0.00284	2.43000	1.39140	1.01610	0.00331
23.3347E00	12.9682	0.0	0.0	149.36300	0.00284	2.43000	1.79940	0.86800	0.00331

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
23.3647E00	12.9669	203.54000	13.24590	203.50200	119.98800	70.30630	0.0	0.0	190.29400
23.3947E00	12.9656	225.21500	13.54740	225.17700	138.35900	73.30870	0.0	0.0	211.66800
23.4248E00	12.9643	250.79000	13.82340	250.75000	148.64700	88.31970	0.0	0.0	236.96600
23.4549E00	12.9630	257.59500	14.12090	257.55500	152.55000	90.92450	0.0	0.0	243.47400
23.4851E00	12.9617	261.72200	14.51870	261.68100	155.34500	91.85860	0.0	0.0	247.20300
23.5154E00	12.9604	273.84000	15.06050	273.79700	162.19800	96.58160	0.0	0.0	258.78000
23.5457E00	12.9592	287.46600	15.70960	287.42100	174.55200	97.20360	0.0	0.0	271.75600
23.5761E00	12.9579	311.88400	16.30230	311.83700	187.82500	107.75600	0.0	0.0	295.58100
23.6065E00	12.9566	319.17900	16.62780	319.13200	194.19100	108.36100	0.0	0.0	302.55200
23.6370E00	12.9553	311.03000	16.53440	310.98300	187.26700	107.22800	0.0	0.0	294.49500
23.6675E00	12.9540	284.40800	16.01300	284.36200	165.86500	102.53000	0.0	0.0	268.39500
23.6981E00	12.9527	238.56500	15.19950	238.52200	134.36900	88.99620	0.0	0.0	223.36500
23.7288E00	12.9514	197.45100	14.29980	197.41000	100.08600	83.06540	0.0	0.0	183.15100
23.7595E00	12.9501	151.48700	13.49840	151.44800	69.72910	68.25900	0.0	0.0	137.98800
23.7903E00	12.9488	115.95500	12.88570	115.91800	46.58540	56.48350	0.0	0.0	103.06900
23.8212E00	12.9475	96.38510	12.47020	96.34968	30.92860	52.98630	0.0	0.0	83.91490
23.8521E00	12.9462	77.63590	12.21400	77.60121	21.32360	44.09830	0.0	0.0	65.42190
23.8830E00	12.9449	65.38470	12.06410	65.35044	15.78650	37.53410	0.0	0.0	53.32060
23.9141E00	12.9436	56.78610	11.97700	56.75209	12.70000	32.10910	0.0	0.0	44.80910
23.9452E00	12.9423	50.23450	11.92970	50.20062	11.03730	27.26750	0.0	0.0	38.30480

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
23.3647E00	12.9669	0.0	0.0	190.29400	0.00284	2.43000	1.70660	0.89780	0.00331
23.3947E00	12.9656	0.0	0.0	211.66800	0.00284	2.43000	1.88730	0.84160	0.00331
23.4248E00	12.9643	0.0	0.0	236.96600	0.00284	2.43000	1.68310	0.90570	0.00332
23.4549E00	12.9630	0.0	0.0	243.47400	0.00284	2.43000	1.67780	0.90750	0.00332
23.4851E00	12.9617	0.0	0.0	247.20300	0.00284	2.43000	1.69110	0.90300	0.00332
23.5154E00	12.9604	0.0	0.0	258.78000	0.00284	2.43000	1.67940	0.90690	0.00332
23.5457E00	12.9592	0.0	0.0	271.75600	0.00284	2.43000	1.79570	0.86920	0.00332
23.5761E00	12.9579	0.0	0.0	295.58100	0.00284	2.43000	1.74310	0.88590	0.00333
23.6065E00	12.9566	0.0	0.0	302.55200	0.00284	2.43000	1.79210	0.87030	0.00333
23.6370E00	12.9553	0.0	0.0	294.49500	0.00284	2.43000	1.74640	0.88480	0.00333
23.6675E00	12.9540	0.0	0.0	268.39500	0.00284	2.43000	1.61770	0.92830	0.00333
23.6981E00	12.9527	0.0	0.0	223.36500	0.00284	2.43000	1.50980	0.96820	0.00334
23.7288E00	12.9514	0.0	0.0	183.15100	0.00284	2.43000	1.20490	1.10210	0.00334
23.7595E00	12.9501	0.0	0.0	137.98800	0.00284	2.43000	1.02150	1.20210	0.00334
23.7903E00	12.9488	0.0	0.0	103.06900	0.00284	2.43000	0.82480	1.33170	0.00334
23.8212E00	12.9475	0.0	0.0	83.91490	0.00284	2.43000	0.58370	1.53440	0.00334
23.8521E00	12.9462	0.0	0.0	65.42190	0.00284	2.43000	0.48350	1.63800	0.00335
23.8830E00	12.9449	0.0	0.0	53.32060	0.00284	2.43000	0.42060	1.71060	0.00335
23.9141E00	12.9436	0.0	0.0	44.80910	0.00284	2.43000	0.39550	1.74130	0.00335
23.9452E00	12.9423	0.0	0.0	38.30480	0.00284	2.43000	0.40480	1.72980	0.00335

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
23.9763E00	12.9410	45.83040	11.90350	45.79659	10.62890	23.29800	0.0	0.0	33.92690
24.0075E00	12.9397	44.88420	11.89640	44.85041	11.35610	21.63170	0.0	0.0	32.98780
24.0388E00	12.9384	46.11600	11.91080	46.08217	13.62980	20.57540	0.0	0.0	34.20520
24.0701E00	12.9371	52.04100	11.95330	52.00705	18.18040	21.90730	0.0	0.0	40.08770
24.1015E00	12.9358	64.23420	12.03250	64.20003	25.83760	26.36410	0.0	0.0	52.20170
24.1330E00	12.9345	82.06910	12.15250	82.03459	37.02520	32.89140	0.0	0.0	69.91660
24.1645E00	12.9332	109.51400	12.30480	109.47900	51.02510	46.18430	0.0	0.0	97.20940
24.1961E00	12.9319	130.88300	12.46260	130.84700	65.50140	52.91780	0.0	0.0	118.42000
24.2277E00	12.9306	146.10600	12.58390	146.07100	76.78110	56.74130	0.0	0.0	133.52200
24.2594E00	12.9293	157.20700	12.63000	157.17100	81.49390	63.08340	0.0	0.0	144.57700
24.2912E00	12.9280	148.54600	12.58310	148.51000	78.17380	57.78920	0.0	0.0	135.96300
24.3230E00	12.9267	137.85900	12.45920	137.82400	68.31380	57.08630	0.0	0.0	125.40000
24.3549E00	12.9254	115.19300	12.29680	115.15800	55.36670	47.52930	0.0	0.0	102.89600
24.3868E00	12.9241	100.30100	12.13640	100.26600	42.80470	45.35970	0.0	0.0	88.16440
24.4188E00	12.9227	86.52150	12.00920	86.48739	33.14870	41.36360	0.0	0.0	74.51230
24.4509E00	12.9214	76.14260	11.92000	76.10875	26.42520	37.79740	0.0	0.0	64.22260
24.4831E00	12.9201	71.00390	11.86270	70.97021	21.74860	37.39260	0.0	0.0	59.14120
24.5153E00	12.9188	66.58870	11.82690	66.55511	18.05620	36.70560	0.0	0.0	54.76180
24.5475E00	12.9175	62.30810	11.80330	62.27458	14.69930	35.80550	0.0	0.0	50.50480
24.5799E00	12.9162	55.70860	11.78630	55.67513	11.55920	32.36310	0.0	0.0	43.92230

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
23.9763E00	12.9410	0.0	0.0	33.92690	0.00284	2.43000	0.45620	1.66870	0.00335
24.0075E00	12.9397	0.0	0.0	32.98780	0.00284	2.43000	0.52500	1.59350	0.00336
24.0388E00	12.9384	0.0	0.0	34.20520	0.00284	2.43000	0.66240	1.46170	0.00336
24.0701E00	12.9371	0.0	0.0	40.08770	0.00284	2.43000	0.82990	1.32800	0.00336
24.1015E00	12.9358	0.0	0.0	52.20170	0.00284	2.43000	0.98000	1.22730	0.00336
24.1330E00	12.9345	0.0	0.0	69.91660	0.00284	2.43000	1.12570	1.14320	0.00337
24.1645E00	12.9332	0.0	0.0	97.20940	0.00284	2.43000	1.10480	1.15450	0.00337
24.1961E00	12.9319	0.0	0.0	118.42000	0.00284	2.43000	1.23780	1.08590	0.00337
24.2277E00	12.9306	0.0	0.0	133.52200	0.00284	2.43000	1.35320	1.03260	0.00337
24.2594E00	12.9293	0.0	0.0	144.57700	0.00284	2.43000	1.29180	1.06030	0.00337
24.2912E00	12.9280	0.0	0.0	135.96300	0.00284	2.43000	1.35270	1.03280	0.00338
24.3230E00	12.9267	0.0	0.0	125.40000	0.00284	2.43000	1.19670	1.10620	0.00338
24.3549E00	12.9254	0.0	0.0	102.89600	0.00284	2.43000	1.16490	1.12250	0.00338
24.3868E00	12.9241	0.0	0.0	88.16440	0.00284	2.43000	0.94370	1.25020	0.00338
24.4188E00	12.9227	0.0	0.0	74.51230	0.00284	2.43000	0.80140	1.34900	0.00339
24.4509E00	12.9214	0.0	0.0	64.22260	0.00284	2.43000	0.69910	1.43010	0.00339
24.4831E00	12.9201	0.0	0.0	59.14120	0.00284	2.43000	0.58160	1.53640	0.00339
24.5153E00	12.9188	0.0	0.0	54.76180	0.00284	2.43000	0.49190	1.62880	0.00339
24.5475E00	12.9175	0.0	0.0	50.50480	0.00284	2.43000	0.41050	1.72280	0.00339
24.5799E00	12.9162	0.0	0.0	43.92230	0.00284	2.43000	0.35720	1.79050	0.00340

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
24.6123E00	12.9148	53.03350	11.77390	53.00006	8.84520	32.41440	0.0	0.0	41.25960
24.6447E00	12.9135	51.68720	11.76510	51.65379	6.72540	33.19670	0.0	0.0	39.92210
24.6772E00	12.9122	53.57720	11.75910	53.54380	5.21300	36.60510	0.0	0.0	41.81810
24.7098E00	12.9109	49.85060	11.75540	49.81721	4.21200	33.88320	0.0	0.0	38.09520
24.7425E00	12.9096	46.34600	11.75340	46.31262	3.58050	31.01210	0.0	0.0	34.59260
24.7752E00	12.9083	50.60200	11.75260	50.56862	3.19070	35.65870	0.0	0.0	38.84940
24.8080E00	12.9069	50.19790	11.75280	50.16452	2.95250	35.49260	0.0	0.0	38.44510
24.8408E00	12.9056	49.30740	11.75380	49.27402	2.81480	34.73880	0.0	0.0	37.55360
24.8737E00	12.9043	49.22070	11.75560	49.18731	2.74930	34.71580	0.0	0.0	37.46510
24.9067E00	12.9030	48.64040	11.75830	48.60701	2.74230	34.13980	0.0	0.0	36.88210
24.9398E00	12.9016	48.15420	11.76180	48.12080	2.78790	33.60450	0.0	0.0	36.39240
24.9729E00	12.9003	54.53180	11.76650	54.49838	2.88570	39.87960	0.0	0.0	42.76530
25.0060E00	12.8990	53.79520	11.77240	53.76177	3.03950	38.98330	0.0	0.0	42.02280
25.0393E00	12.8976	54.44880	11.77250	54.41537	2.99150	39.68480	0.0	0.0	42.67630
25.0726E00	12.8963	58.28370	11.78260	58.25024	3.30580	43.19530	0.0	0.0	46.50110
25.1060E00	12.8950	60.85290	11.79550	60.81940	3.72540	45.33200	0.0	0.0	49.05740
25.1394E00	12.8937	62.55460	11.81240	62.52105	4.28750	46.45470	0.0	0.0	50.74220
25.1729E00	12.8923	65.62040	11.83510	65.58679	5.05550	48.72980	0.0	0.0	53.78530
25.2065E00	12.8910	66.58260	11.86660	66.54890	6.13220	48.58380	0.0	0.0	54.71600
25.2401E00	12.8897	72.68070	11.91160	72.64687	7.68340	53.08570	0.0	0.0	60.76910

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
24.6123E00	12.9148	0.0	0.0	41.25960	0.00284	2.43000	0.27290	1.90910	0.00340
24.6447E00	12.9135	0.0	0.0	39.92210	0.00284	2.43000	0.20260	2.02060	0.00340
24.6772E00	12.9122	0.0	0.0	41.81810	0.00284	2.43000	0.14240	2.12710	0.00340
24.7098E00	12.9109	0.0	0.0	38.09520	0.00284	2.43000	0.12430	2.16130	0.00341
24.7425E00	12.9096	0.0	0.0	34.59260	0.00284	2.43000	0.11550	2.17850	0.00341
24.7752E00	12.9083	0.0	0.0	38.84940	0.00284	2.43000	0.08950	2.23040	0.00341
24.8080E00	12.9069	0.0	0.0	38.44510	0.00284	2.43000	0.08320	2.24340	0.00341
24.8408E00	12.9056	0.0	0.0	37.55360	0.00284	2.43000	0.08100	2.24790	0.00341
24.8737E00	12.9043	0.0	0.0	37.46510	0.00284	2.43000	0.07920	2.25170	0.00342
24.9067E00	12.9030	0.0	0.0	36.88210	0.00284	2.43000	0.08030	2.24930	0.00342
24.9398E00	12.9016	0.0	0.0	36.39240	0.00284	2.43000	0.08300	2.24380	0.00342
24.9729E00	12.9003	0.0	0.0	42.76530	0.00284	2.43000	0.07240	2.26600	0.00342
25.0060E00	12.8990	0.0	0.0	42.02280	0.00284	2.43000	0.07800	2.25420	0.00343
25.0393E00	12.8976	0.0	0.0	42.67630	0.00284	2.43000	0.07540	2.25970	0.00343
25.0726E00	12.8963	0.0	0.0	46.50110	0.00284	2.43000	0.07650	2.25730	0.00343
25.1060E00	12.8950	0.0	0.0	49.05740	0.00284	2.43000	0.08220	2.24550	0.00343
25.1394E00	12.8937	0.0	0.0	50.74220	0.00284	2.43000	0.09230	2.22470	0.00344
25.1729E00	12.8923	0.0	0.0	53.78530	0.00284	2.43000	0.10370	2.20160	0.00344
25.2065E00	12.8910	0.0	0.0	54.71600	0.00284	2.43000	0.12620	2.15770	0.00344
25.2401E00	12.8897	0.0	0.0	60.76910	0.00284	2.43000	0.14470	2.12280	0.00344

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
25.2738E00	12.8883	73.15870	11.97850	73.12468	9.99380	51.18640	0.0	0.0	61.18020
25.3076E00	12.8870	78.66680	12.07970	78.63249	13.50070	53.08640	0.0	0.0	66.58710
25.3415E00	12.8857	89.22410	12.23210	89.18936	18.78620	58.20580	0.0	0.0	76.99200
25.3754E00	12.8843	105.23900	12.45130	105.20400	26.39240	66.39540	0.0	0.0	92.78780
25.4094E00	12.8830	113.41000	12.74330	113.37400	36.52950	64.13700	0.0	0.0	100.66700
25.4434E00	12.8816	132.77500	13.08860	132.73800	48.51880	71.16760	0.0	0.0	119.68600
25.4775E00	12.8803	144.13000	13.43580	144.09200	60.57890	70.11550	0.0	0.0	130.69400
25.5117E00	12.8790	152.90100	13.70640	152.86200	69.97750	69.21720	0.0	0.0	139.19500
25.5460E00	12.8776	162.01100	13.82360	161.97200	74.05290	74.13490	0.0	0.0	148.18800
25.5803E00	12.8763	151.30400	13.75010	151.26500	71.50630	66.04790	0.0	0.0	137.55400
25.6147E00	12.8749	145.74100	13.50820	145.70300	63.11330	69.11940	0.0	0.0	132.23300
25.6491E00	12.8736	135.05500	13.16850	135.01700	51.32830	70.55780	0.0	0.0	121.88600
25.6837E00	12.8722	116.11900	12.81190	116.08300	38.95700	64.35000	0.0	0.0	103.30700
25.7183E00	12.8709	96.31990	12.50230	96.28439	28.22060	55.59700	0.0	0.0	83.81760
25.7530E00	12.8695	85.29300	12.26550	85.25817	20.01980	53.00770	0.0	0.0	73.02750
25.7877E00	12.8682	74.86950	12.10070	74.83513	14.32210	48.44670	0.0	0.0	62.76880
25.8225E00	12.8668	66.51880	11.99170	66.48474	10.56440	43.96270	0.0	0.0	54.52710
25.8574E00	12.8655	55.36100	11.92060	55.32715	8.13270	35.30770	0.0	0.0	43.44040
25.8923E00	12.8642	49.13170	11.87370	49.09798	6.55120	30.70680	0.0	0.0	37.25800
25.9274E00	12.8628	38.92180	11.84190	38.88817	5.50050	21.57940	0.0	0.0	27.07990

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
25.2738E00	12.8883	0.0	0.0	61.18020	0.00284	2.43000	0.19520	2.03310	0.00344
25.3076E00	12.8870	0.0	0.0	66.58710	0.00284	2.43000	0.25430	1.93730	0.00345
25.3415E00	12.8857	0.0	0.0	76.99200	0.00284	2.43000	0.32280	1.83710	0.00345
25.3754E00	12.8843	0.0	0.0	92.78780	0.00284	2.43000	0.39750	1.73880	0.00345
25.4094E00	12.8830	0.0	0.0	100.66700	0.00284	2.43000	0.56960	1.54820	0.00345
25.4434E00	12.8816	0.0	0.0	119.68600	0.00284	2.43000	0.68180	1.44490	0.00346
25.4775E00	12.8803	0.0	0.0	130.69400	0.00284	2.43000	0.86400	1.30370	0.00346
25.5117E00	12.8790	0.0	0.0	139.19500	0.00284	2.43000	1.01100	1.20840	0.00346
25.5460E00	12.8776	0.0	0.0	148.18800	0.00284	2.43000	0.99890	1.21570	0.00346
25.5803E00	12.8763	0.0	0.0	137.55400	0.00284	2.43000	1.08260	1.16680	0.00347
25.6147E00	12.8749	0.0	0.0	132.23300	0.00284	2.43000	0.91310	1.27020	0.00347
25.6491E00	12.8736	0.0	0.0	121.88600	0.00284	2.43000	0.72750	1.40670	0.00347
25.6837E00	12.8722	0.0	0.0	103.30700	0.00284	2.43000	0.60540	1.51360	0.00347
25.7183E00	12.8709	0.0	0.0	83.81760	0.00284	2.43000	0.50760	1.61180	0.00347
25.7530E00	12.8695	0.0	0.0	73.02750	0.00284	2.43000	0.37770	1.76380	0.00348
25.7877E00	12.8682	0.0	0.0	62.76880	0.00284	2.43000	0.29560	1.87550	0.00348
25.8225E00	12.8668	0.0	0.0	54.52710	0.00284	2.43000	0.24030	1.95920	0.00348
25.8574E00	12.8655	0.0	0.0	43.44040	0.00284	2.43000	0.23030	1.97510	0.00348
25.8923E00	12.8642	0.0	0.0	37.25800	0.00284	2.43000	0.21330	2.00270	0.00349
25.9274E00	12.8628	0.0	0.0	27.07990	0.00284	2.43000	0.25490	1.93640	0.00349

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
25.9625E00	12.8614	38.82220	11.81980	38.78863	4.80370	22.19870	0.0	0.0	27.00240
25.9976E00	12.8601	35.03990	11.80430	35.00638	4.35460	18.88100	0.0	0.0	23.23560
26.0329E00	12.8587	31.22820	11.79450	31.19470	4.14630	15.28740	0.0	0.0	19.43370
26.0682E00	12.8574	31.90240	11.78770	31.86892	4.06600	16.04870	0.0	0.0	20.11470
26.1036E00	12.8560	30.38060	11.78440	30.34713	4.16140	14.43480	0.0	0.0	18.59620
26.1390E00	12.8547	29.83840	11.78470	29.80493	4.46970	13.58400	0.0	0.0	18.05370
26.1746E00	12.8533	32.95430	11.78970	32.92082	5.07820	16.08640	0.0	0.0	21.16460
26.2102E00	12.8519	37.44510	11.80110	37.41158	6.14050	19.50350	0.0	0.0	25.64400
26.2458E00	12.8506	43.06200	11.82220	43.02842	7.90220	23.33760	0.0	0.0	31.23980
26.2816E00	12.8492	52.60840	11.85710	52.57473	10.69210	30.05920	0.0	0.0	40.75130
26.3174E00	12.8479	68.44500	11.90910	68.41118	14.75460	41.78130	0.0	0.0	56.53590
26.3533E00	12.8465	79.14580	11.97770	79.11178	20.06030	47.10780	0.0	0.0	67.16810
26.3892E00	12.8451	91.92700	12.05480	91.89276	25.99300	53.87920	0.0	0.0	79.87220
26.4253E00	12.8438	107.64500	12.12430	107.61100	31.34300	64.17790	0.0	0.0	95.52090
26.4614E00	12.8424	113.84800	12.16580	113.81300	34.56390	67.11810	0.0	0.0	101.68200
26.4976E00	12.8410	118.74500	12.16510	118.71100	34.58690	71.99310	0.0	0.0	106.58000
26.5338E00	12.8397	107.14300	12.12190	107.10900	31.38270	63.63880	0.0	0.0	95.02150
26.5702E00	12.8383	94.96140	12.04950	94.92718	25.96890	56.94300	0.0	0.0	82.91190
26.6066E00	12.8369	83.94310	11.96860	83.90911	19.90360	52.07090	0.0	0.0	71.97450
26.6431E00	12.8356	69.66930	11.89580	69.63552	14.46410	43.30940	0.0	0.0	57.77350

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
25.9625E00	12.8614	0.0	0.0	27.00240	0.00284	2.43000	0.21640	1.99770	0.00349
25.9976E00	12.8601	0.0	0.0	23.23560	0.00284	2.43000	0.23060	1.97460	0.00349
26.0329E00	12.8587	0.0	0.0	19.43370	0.00284	2.43000	0.27120	1.91150	0.00350
26.0682E00	12.8574	0.0	0.0	20.11470	0.00284	2.43000	0.25340	1.93880	0.00350
26.1036E00	12.8560	0.0	0.0	18.59620	0.00284	2.43000	0.28830	1.88620	0.00350
26.1390E00	12.8547	0.0	0.0	18.05370	0.00284	2.43000	0.32900	1.82840	0.00350
26.1746E00	12.8533	0.0	0.0	21.16460	0.00284	2.43000	0.31570	1.84700	0.00351
26.2102E00	12.8519	0.0	0.0	25.64400	0.00284	2.43000	0.31480	1.84810	0.00351
26.2458E00	12.8506	0.0	0.0	31.23980	0.00284	2.43000	0.33860	1.81530	0.00351
26.2816E00	12.8492	0.0	0.0	40.75130	0.00284	2.43000	0.35570	1.79240	0.00351
26.3174E00	12.8479	0.0	0.0	56.53590	0.00284	2.43000	0.35310	1.79580	0.00351
26.3533E00	12.8465	0.0	0.0	67.16810	0.00284	2.43000	0.42580	1.70430	0.00352
26.3892E00	12.8451	0.0	0.0	79.87220	0.00284	2.43000	0.48240	1.63920	0.00352
26.4253E00	12.8438	0.0	0.0	95.52090	0.00284	2.43000	0.48840	1.63270	0.00352
26.4614E00	12.8424	0.0	0.0	101.68200	0.00284	2.43000	0.51500	1.60400	0.00352
26.4976E00	12.8410	0.0	0.0	106.58000	0.00284	2.43000	0.48040	1.64140	0.00353
26.5338E00	12.8397	0.0	0.0	95.02150	0.00284	2.43000	0.49310	1.62740	0.00353
26.5702E00	12.8383	0.0	0.0	82.91190	0.00284	2.43000	0.45610	1.66890	0.00353
26.6066E00	12.8369	0.0	0.0	71.97450	0.00284	2.43000	0.38220	1.75800	0.00353
26.6431E00	12.8356	0.0	0.0	57.77350	0.00284	2.43000	0.33400	1.82160	0.00354

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
26.6796E00	12.8342	62.11250	11.83990	62.07887	10.30150	39.97110	0.0	0.0	50.27260
26.7163E00	12.8328	55.13800	11.80110	55.10448	7.44250	35.89440	0.0	0.0	43.33690
26.7530E00	12.8314	48.61220	11.77610	48.57876	5.63740	31.19870	0.0	0.0	36.83610
26.7898E00	12.8301	45.41970	11.76020	45.38630	4.54950	29.11000	0.0	0.0	33.65950
26.8266E00	12.8287	43.45860	11.75090	43.42523	3.99040	27.71730	0.0	0.0	31.70770
26.8636E00	12.8273	41.88580	11.74440	41.85245	3.67790	26.46340	0.0	0.0	30.14140
26.9006E00	12.8259	37.87420	11.74030	37.84086	3.58530	22.54860	0.0	0.0	26.13390
26.9377E00	12.8246	39.42480	11.73780	39.39146	3.65490	24.03210	0.0	0.0	27.68700
26.9748E00	12.8232	37.53560	11.73630	37.50227	3.83440	21.96490	0.0	0.0	25.79930
27.0121E00	12.8218	40.60370	11.73560	40.57037	4.06300	24.80510	0.0	0.0	28.86810
27.0494E00	12.8204	36.63710	11.73540	36.60377	4.26680	20.63490	0.0	0.0	24.90170
27.0868E00	12.8190	41.09240	11.73520	41.05907	4.37880	24.97840	0.0	0.0	29.35720
27.1243E00	12.8177	39.68870	11.73510	39.65537	4.35960	23.59400	0.0	0.0	27.95360
27.1618E00	12.8163	38.96170	11.73500	38.92837	4.21500	23.01170	0.0	0.0	27.22670
27.1995E00	12.8149	35.68720	11.73510	35.65387	3.99160	19.96050	0.0	0.0	23.95210
27.2372E00	12.8135	33.54950	11.73560	33.51617	3.76040	18.05350	0.0	0.0	21.81390
27.2750E00	12.8121	31.74180	11.73690	31.70847	3.58950	16.41540	0.0	0.0	20.00490
27.3128E00	12.8107	29.91120	11.73920	29.87786	3.53220	14.63980	0.0	0.0	18.17200
27.3508E00	12.8093	30.26620	11.74300	30.23285	3.62780	14.89540	0.0	0.0	18.52320
27.3888E00	12.8080	29.82630	11.74880	29.79293	3.91660	14.16090	0.0	0.0	18.07750

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
26.6796E00	12.8342	0.0	0.0	50.27260	0.00284	2.43000	0.25770	1.93210	0.00354
26.7163E00	12.8328	0.0	0.0	43.33690	0.00284	2.43000	0.20730	2.01270	0.00354
26.7530E00	12.8314	0.0	0.0	36.83610	0.00284	2.43000	0.18070	2.05810	0.00354
26.7898E00	12.8301	0.0	0.0	33.65950	0.00284	2.43000	0.15630	2.10160	0.00355
26.8266E00	12.8287	0.0	0.0	31.70770	0.00284	2.43000	0.14400	2.12420	0.00355
26.8636E00	12.8273	0.0	0.0	30.14140	0.00284	2.43000	0.13900	2.13350	0.00355
26.9006E00	12.8259	0.0	0.0	26.13390	0.00284	2.43000	0.15900	2.09660	0.00355
26.9377E00	12.8246	0.0	0.0	27.68700	0.00284	2.43000	0.15210	2.10920	0.00356
26.9748E00	12.8232	0.0	0.0	25.79930	0.00284	2.43000	0.17460	2.06880	0.00356
27.0121E00	12.8218	0.0	0.0	28.86810	0.00284	2.43000	0.16380	2.08800	0.00356
27.0494E00	12.8204	0.0	0.0	24.90170	0.00284	2.43000	0.20680	2.01360	0.00356
27.0868E00	12.8190	0.0	0.0	29.35720	0.00284	2.43000	0.17530	2.06760	0.00357
27.1243E00	12.8177	0.0	0.0	27.95360	0.00284	2.43000	0.18480	2.05100	0.00357
27.1618E00	12.8163	0.0	0.0	27.22670	0.00284	2.43000	0.18320	2.05380	0.00357
27.1995E00	12.8149	0.0	0.0	23.95210	0.00284	2.43000	0.20000	2.02500	0.00357
27.2372E00	12.8135	0.0	0.0	21.81390	0.00284	2.43000	0.20830	2.01110	0.00358
27.2750E00	12.8121	0.0	0.0	20.00490	0.00284	2.43000	0.21870	1.99400	0.00358
27.3128E00	12.8107	0.0	0.0	18.17200	0.00284	2.43000	0.24130	1.95770	0.00358
27.3508E00	12.8093	0.0	0.0	18.52320	0.00284	2.43000	0.24360	1.95410	0.00358
27.3888E00	12.8080	0.0	0.0	18.07750	0.00284	2.43000	0.27660	1.90350	0.00359

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
27.4269E00	12.8066	31.65350	11.75780	31.62011	4.46530	15.43040	0.0	0.0	19.89570
27.4651E00	12.8052	32.61260	11.76770	32.57918	5.28790	15.55700	0.0	0.0	20.84490
27.5034E00	12.8038	35.98720	11.79070	35.95371	6.89410	17.30240	0.0	0.0	24.19650
27.5417E00	12.8024	39.85090	11.82950	39.81730	9.65830	18.36310	0.0	0.0	28.02140
27.5801E00	12.8010	52.52100	11.89580	52.48722	14.41070	26.21450	0.0	0.0	40.62520
27.6187E00	12.7996	69.90160	12.00360	69.86751	22.16680	35.73120	0.0	0.0	57.89800
27.6572E00	12.7982	96.33680	12.16000	96.30227	33.43540	50.74140	0.0	0.0	84.17680
27.6959E00	12.7968	121.75200	12.35580	121.71700	47.55490	61.84100	0.0	0.0	109.39600
27.7347E00	12.7954	158.48000	12.55150	158.44400	61.67090	84.25730	0.0	0.0	145.92800
27.7735E00	12.7940	169.00100	12.68650	168.96500	71.41560	84.89850	0.0	0.0	156.31400
27.8124E00	12.7926	175.62400	12.71010	175.58800	73.13500	89.77870	0.0	0.0	162.91400
27.8514E00	12.7912	158.29200	12.61220	158.25600	66.09950	79.58020	0.0	0.0	145.68000
27.8905E00	12.7898	129.26700	12.43130	129.23200	53.09760	63.73810	0.0	0.0	116.83600
27.9296E00	12.7884	97.46130	12.22990	97.42657	38.63970	46.59170	0.0	0.0	85.23140
27.9689E00	12.7870	73.83630	12.05790	73.80206	26.33020	35.44820	0.0	0.0	61.77840
28.0082E00	12.7856	59.98770	11.93760	59.95380	17.80980	30.24030	0.0	0.0	48.05010
28.0476E00	12.7842	49.37720	11.86720	49.34350	13.00280	24.50720	0.0	0.0	37.51000
28.0871E00	12.7828	45.86870	11.83650	45.83508	11.32910	22.70310	0.0	0.0	34.03220
28.1267E00	12.7814	46.00720	11.84360	45.97356	12.94350	21.22010	0.0	0.0	34.16360
28.1663E00	12.7800	54.22920	11.89220	54.19543	18.55610	23.78090	0.0	0.0	42.33700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
27.4269E00	12.8066	0.0	0.0	19.89570	0.00284	2.43000	0.28940	1.88460	0.00359
27.4651E00	12.8052	0.0	0.0	20.84490	0.00284	2.43000	0.33990	1.81360	0.00359
27.5034E00	12.8038	0.0	0.0	24.19650	0.00284	2.43000	0.39840	1.73760	0.00359
27.5417E00	12.8024	0.0	0.0	28.02140	0.00284	2.43000	0.52600	1.59240	0.00360
27.5801E00	12.8010	0.0	0.0	40.62520	0.00284	2.43000	0.54970	1.56800	0.00360
27.6187E00	12.7996	0.0	0.0	57.89800	0.00284	2.43000	0.62040	1.49970	0.00360
27.6572E00	12.7982	0.0	0.0	84.17680	0.00284	2.43000	0.65890	1.46480	0.00360
27.6959E00	12.7968	0.0	0.0	109.39600	0.00284	2.43000	0.76900	1.37370	0.00361
27.7347E00	12.7954	0.0	0.0	145.92800	0.00284	2.43000	0.73190	1.40310	0.00361
27.7735E00	12.7940	0.0	0.0	156.31400	0.00284	2.43000	0.84120	1.31980	0.00361
27.8124E00	12.7926	0.0	0.0	162.91400	0.00284	2.43000	0.81460	1.33910	0.00361
27.8514E00	12.7912	0.0	0.0	145.68000	0.00284	2.43000	0.83060	1.32740	0.00362
27.8905E00	12.7898	0.0	0.0	116.83600	0.00284	2.43000	0.83310	1.32570	0.00362
27.9296E00	12.7884	0.0	0.0	85.23140	0.00284	2.43000	0.82930	1.32840	0.00362
27.9689E00	12.7870	0.0	0.0	61.77840	0.00284	2.43000	0.74280	1.39430	0.00362
28.0082E00	12.7856	0.0	0.0	48.05010	0.00284	2.43000	0.58890	1.52930	0.00363
28.0476E00	12.7842	0.0	0.0	37.51000	0.00284	2.43000	0.53060	1.58760	0.00363
28.0871E00	12.7828	0.0	0.0	34.03220	0.00284	2.43000	0.49900	1.62110	0.00363
28.1267E00	12.7814	0.0	0.0	34.16360	0.00284	2.43000	0.61000	1.50930	0.00363
28.1663E00	12.7800	0.0	0.0	42.33700	0.00284	2.43000	0.78030	1.36490	0.00364

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
28.2061E00	12.7786	65.08500	11.98950	65.05095	29.07150	24.02400	0.0	0.0	53.09550
28.2459E00	12.7771	79.28280	12.13000	79.24835	44.00190	23.15090	0.0	0.0	67.15280
28.2858E00	12.7757	99.62670	12.28070	99.59182	59.93010	27.41590	0.0	0.0	87.34600
28.3258E00	12.7743	114.81700	12.38490	114.78200	70.94910	31.48320	0.0	0.0	102.43200
28.3659E00	12.7729	114.25500	12.39320	114.21900	71.91750	29.94390	0.0	0.0	101.86100
28.4060E00	12.7715	103.10700	12.29940	103.07200	62.19120	28.61680	0.0	0.0	90.80800
28.4463E00	12.7701	83.35520	12.14500	83.32071	46.10660	25.10360	0.0	0.0	71.21020
28.4866E00	12.7687	61.78010	11.98880	61.74605	29.82610	19.96520	0.0	0.0	49.79130
28.5270E00	12.7672	47.62850	11.87000	47.59479	17.44760	18.31090	0.0	0.0	35.75850
28.5675E00	12.7658	37.45340	11.79620	37.41990	9.77090	15.88630	0.0	0.0	25.65720
28.6081E00	12.7644	32.67750	11.75710	32.64411	5.70540	15.21500	0.0	0.0	20.92040
28.6488E00	12.7630	29.29870	11.73790	29.26536	3.72420	13.83660	0.0	0.0	17.56080
28.6896E00	12.7616	28.34780	11.72810	28.31449	2.72570	13.89400	0.0	0.0	16.61970
28.7304E00	12.7601	27.38390	11.72260	27.35061	2.16900	13.49230	0.0	0.0	15.66130
28.7714E00	12.7587	25.78410	11.71920	25.75082	1.82380	12.24110	0.0	0.0	14.06490
28.8124E00	12.7573	22.29380	11.71690	22.26052	1.59540	8.98150	0.0	0.0	10.57690
28.8535E00	12.7559	23.23450	11.71520	23.20123	1.43840	10.08090	0.0	0.0	11.51930
28.8947E00	12.7544	24.48010	11.71410	24.44683	1.33050	11.43550	0.0	0.0	12.76600
28.9360E00	12.7530	22.90550	11.71330	22.87223	1.25950	9.93270	0.0	0.0	11.19220
28.9774E00	12.7516	23.40950	11.71290	23.37624	1.21930	10.47730	0.0	0.0	11.69660

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
28.2061E00	12.7786	0.0	0.0	53.09550	0.00284	2.43000	1.21010	1.09950	0.00364
28.2459E00	12.7771	0.0	0.0	67.15280	0.00284	2.43000	1.90070	0.83770	0.00364
28.2858E00	12.7757	0.0	0.0	87.34600	0.00284	2.43000	2.18600	0.76270	0.00364
28.3258E00	12.7743	0.0	0.0	102.43200	0.00284	2.43000	2.25360	0.74690	0.00365
28.3659E00	12.7729	0.0	0.0	101.86100	0.00284	2.43000	2.40170	0.71430	0.00365
28.4060E00	12.7715	0.0	0.0	90.80800	0.00284	2.43000	2.17320	0.76580	0.00365
28.4463E00	12.7701	0.0	0.0	71.21020	0.00284	2.43000	1.83670	0.85660	0.00365
28.4866E00	12.7687	0.0	0.0	49.79130	0.00284	2.43000	1.49390	0.97440	0.00366
28.5270E00	12.7672	0.0	0.0	35.75850	0.00284	2.43000	0.95290	1.24430	0.00366
28.5675E00	12.7658	0.0	0.0	25.65720	0.00284	2.43000	0.61510	1.50460	0.00366
28.6081E00	12.7644	0.0	0.0	20.92040	0.00284	2.43000	0.37500	1.76730	0.00366
28.6488E00	12.7630	0.0	0.0	17.56080	0.00284	2.43000	0.26920	1.91470	0.00367
28.6896E00	12.7616	0.0	0.0	16.61970	0.00284	2.43000	0.19620	2.03150	0.00367
28.7304E00	12.7601	0.0	0.0	15.66130	0.00284	2.43000	0.16080	2.09350	0.00367
28.7714E00	12.7587	0.0	0.0	14.06490	0.00284	2.43000	0.14900	2.11490	0.00368
28.8124E00	12.7573	0.0	0.0	10.57690	0.00284	2.43000	0.17760	2.06350	0.00368
28.8535E00	12.7559	0.0	0.0	11.51930	0.00284	2.43000	0.14270	2.12660	0.00368
28.8947E00	12.7544	0.0	0.0	12.76600	0.00284	2.43000	0.11630	2.17670	0.00368
28.9360E00	12.7530	0.0	0.0	11.19220	0.00284	2.43000	0.12680	2.15650	0.00369
28.9774E00	12.7516	0.0	0.0	11.69660	0.00284	2.43000	0.11640	2.17670	0.00369

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
29.0189E00	12.7501	21.77790	11.71410	21.74463	1.27590	8.78800	0.0	0.0	10.06380
29.0604E00	12.7487	20.24580	11.71420	20.21253	1.29700	7.23460	0.0	0.0	8.53160
29.1021E00	12.7473	21.71880	11.71470	21.68553	1.35110	8.65300	0.0	0.0	10.00410
29.1438E00	12.7459	21.54240	11.71570	21.50913	1.44660	8.38010	0.0	0.0	9.82670
29.1856E00	12.7444	21.69190	11.71720	21.65862	1.60060	8.37410	0.0	0.0	9.97470
29.2276E00	12.7430	21.93580	11.71960	21.90252	1.84810	8.36810	0.0	0.0	10.21620
29.2696E00	12.7415	20.41860	11.72360	20.38530	2.26260	6.43240	0.0	0.0	8.69500
29.3117E00	12.7401	21.18350	11.73110	21.15018	3.02460	6.42780	0.0	0.0	9.45240
29.3539E00	12.7387	24.56530	11.74640	24.53194	4.59060	8.22830	0.0	0.0	12.81890
29.3961E00	12.7372	27.84070	11.77970	27.80725	7.99910	8.06190	0.0	0.0	16.06100
29.4385E00	12.7358	37.40590	11.84820	37.37225	15.00240	10.55530	0.0	0.0	25.55770
29.4810E00	12.7343	49.75390	11.96770	49.71991	27.23850	10.54770	0.0	0.0	37.78620
29.5235E00	12.7329	70.71330	12.13730	70.67883	44.58880	13.98720	0.0	0.0	58.57600
29.5662E00	12.7315	92.96210	12.31810	92.92712	63.08990	17.55410	0.0	0.0	80.64400
29.6089E00	12.7300	108.56500	12.43780	108.53000	75.34030	20.78690	0.0	0.0	96.12720
29.6518E00	12.7286	107.12100	12.43700	107.08600	75.24710	19.43680	0.0	0.0	94.68390
29.6947E00	12.7271	90.89650	12.31540	90.86152	62.79370	15.78740	0.0	0.0	78.58110
29.7377E00	12.7257	72.76400	12.13340	72.72954	44.15050	16.48010	0.0	0.0	60.63060
29.7808E00	12.7242	50.41100	11.96350	50.37702	26.74370	11.70380	0.0	0.0	38.44750
29.8240E00	12.7228	35.54500	11.84540	35.51136	14.64290	9.05670	0.0	0.0	23.69960

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
29.0189E00	12.7501	0.0	0.0	10.06380	0.00284	2.43000	0.14520	2.12190	0.00369
29.0604E00	12.7487	0.0	0.0	8.53160	0.00284	2.43000	0.17930	2.06060	0.00369
29.1021E00	12.7473	0.0	0.0	10.00410	0.00284	2.43000	0.15610	2.10180	0.00370
29.1438E00	12.7459	0.0	0.0	9.82670	0.00284	2.43000	0.17260	2.07230	0.00370
29.1856E00	12.7444	0.0	0.0	9.97470	0.00284	2.43000	0.19110	2.04010	0.00370
29.2276E00	12.7430	0.0	0.0	10.21620	0.00284	2.43000	0.22080	1.99040	0.00370
29.2696E00	12.7415	0.0	0.0	8.69500	0.00284	2.43000	0.35170	1.79770	0.00371
29.3117E00	12.7401	0.0	0.0	9.45240	0.00284	2.43000	0.47060	1.65240	0.00371
29.3539E00	12.7387	0.0	0.0	12.81890	0.00284	2.43000	0.55790	1.55980	0.00371
29.3961E00	12.7372	0.0	0.0	16.06100	0.00284	2.43000	0.99220	1.21970	0.00371
29.4385E00	12.7358	0.0	0.0	25.55770	0.00284	2.43000	1.42130	1.00360	0.00372
29.4810E00	12.7343	0.0	0.0	37.78620	0.00284	2.43000	2.58240	0.67830	0.00372
29.5235E00	12.7329	0.0	0.0	58.57600	0.00284	2.43000	3.18780	0.58030	0.00372
29.5662E00	12.7315	0.0	0.0	80.64400	0.00284	2.43000	3.59400	0.52890	0.00373
29.6089E00	12.7300	0.0	0.0	96.12720	0.00284	2.43000	3.62440	0.52550	0.00373
29.6518E00	12.7286	0.0	0.0	94.68390	0.00284	2.43000	3.87140	0.49880	0.00373
29.6947E00	12.7271	0.0	0.0	78.58110	0.00284	2.43000	3.97750	0.48820	0.00373
29.7377E00	12.7257	0.0	0.0	60.63060	0.00284	2.43000	2.67900	0.66050	0.00374
29.7808E00	12.7242	0.0	0.0	38.44750	0.00284	2.43000	2.28500	0.73970	0.00374
29.8240E00	12.7228	0.0	0.0	23.69960	0.00284	2.43000	1.61680	0.92860	0.00374

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
29.8673E00	12.7213	27.80040	11.77930	27.76695	7.85840	8.16270	0.0	0.0	16.02110
29.9107E00	12.7199	22.41400	11.74830	22.38063	4.65920	6.00650	0.0	0.0	10.66570
29.9542E00	12.7184	20.81150	11.73490	20.77817	3.26450	5.81210	0.0	0.0	9.07660
29.9978E00	12.7170	21.51050	11.72910	21.47719	2.64610	7.13530	0.0	0.0	9.78140
30.0415E00	12.7155	20.22500	11.72680	20.19170	2.37890	6.11930	0.0	0.0	8.49820
30.0853E00	12.7141	20.90640	11.72650	20.87310	2.30840	6.87150	0.0	0.0	9.17990
30.1291E00	12.7126	21.53780	11.73970	21.50446	2.67840	7.11970	0.0	0.0	9.79810
30.1731E00	12.7111	21.35890	11.74340	21.32555	2.94160	6.67390	0.0	0.0	9.61550
30.2172E00	12.7097	21.17670	11.74960	21.14333	3.45110	5.97600	0.0	0.0	9.42710
30.2613E00	12.7082	21.14260	11.76080	21.10920	4.43180	4.95000	0.0	0.0	9.38180
30.3056E00	12.7068	27.44850	11.78260	27.41504	6.46340	9.20250	0.0	0.0	15.66590
30.3499E00	12.7053	33.05930	11.82700	33.02571	10.72600	10.50630	0.0	0.0	21.23230
30.3944E00	12.7038	46.26550	11.91020	46.23168	18.85230	15.50300	0.0	0.0	34.35530
30.4389E00	12.7024	60.57940	12.04230	60.54520	31.79290	16.74420	0.0	0.0	48.53710
30.4836E00	12.7009	80.84490	12.21030	80.81022	48.15710	20.47750	0.0	0.0	68.63460
30.5283E00	12.6994	98.29130	12.36670	98.25618	62.91200	23.01260	0.0	0.0	85.92460
30.5732E00	12.6980	108.91900	12.46360	108.88300	70.58370	25.87130	0.0	0.0	96.45500
30.6181E00	12.6965	112.48600	12.50530	112.45000	70.27140	29.70890	0.0	0.0	99.98030
30.6632E00	12.6950	106.32200	12.57640	106.28700	68.35690	25.38900	0.0	0.0	93.74590
30.7083E00	12.6936	115.54800	12.78120	115.51200	73.72080	29.04620	0.0	0.0	102.76700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
29.8673E00	12.7213	0.0	0.0	16.02110	0.00284	2.43000	0.96270	1.23810	0.00374
29.9107E00	12.7199	0.0	0.0	10.66570	0.00284	2.43000	0.77570	1.36850	0.00375
29.9542E00	12.7184	0.0	0.0	9.07660	0.00284	2.43000	0.56170	1.55600	0.00375
29.9978E00	12.7170	0.0	0.0	9.78140	0.00284	2.43000	0.37080	1.77260	0.00375
30.0415E00	12.7155	0.0	0.0	8.49820	0.00284	2.43000	0.38880	1.74980	0.00376
30.0853E00	12.7141	0.0	0.0	9.17990	0.00284	2.43000	0.33590	1.81890	0.00376
30.1291E00	12.7126	0.0	0.0	9.79810	0.00284	2.43000	0.37620	1.76570	0.00376
30.1731E00	12.7111	0.0	0.0	9.61550	0.00284	2.43000	0.44080	1.68660	0.00376
30.2172E00	12.7097	0.0	0.0	9.42710	0.00284	2.43000	0.57750	1.54040	0.00377
30.2613E00	12.7082	0.0	0.0	9.38180	0.00284	2.43000	0.89530	1.28210	0.00377
30.3056E00	12.7068	0.0	0.0	15.66590	0.00284	2.43000	0.70240	1.42740	0.00377
30.3499E00	12.7053	0.0	0.0	21.23230	0.00284	2.43000	1.02090	1.20240	0.00377
30.3944E00	12.7038	0.0	0.0	34.35530	0.00284	2.43000	1.21600	1.09660	0.00378
30.4389E00	12.7024	0.0	0.0	48.53710	0.00284	2.43000	1.89870	0.83830	0.00378
30.4836E00	12.7009	0.0	0.0	68.63460	0.00284	2.43000	2.35170	0.72500	0.00378
30.5283E00	12.6994	0.0	0.0	85.92460	0.00284	2.43000	2.73380	0.65080	0.00379
30.5732E00	12.6980	0.0	0.0	96.45500	0.00284	2.43000	2.72830	0.65180	0.00379
30.6181E00	12.6965	0.0	0.0	99.98030	0.00284	2.43000	2.36530	0.72210	0.00379
30.6632E00	12.6950	0.0	0.0	93.74590	0.00284	2.43000	2.69240	0.65810	0.00379
30.7083E00	12.6936	0.0	0.0	102.76700	0.00284	2.43000	2.53810	0.68680	0.00380

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
30.7536E00	12.6921	138.96000	13.15510	138.92300	90.07030	35.73470	0.0	0.0	125.80500
30.7989E00	12.6906	164.29800	13.54070	164.25900	109.52400	41.23300	0.0	0.0	150.75700
30.8443E00	12.6891	171.48200	13.72860	171.44300	118.91200	38.84210	0.0	0.0	157.75400
30.8899E00	12.6877	163.28400	13.57840	163.24500	109.33500	40.36980	0.0	0.0	149.70500
30.9355E00	12.6862	128.81400	13.15570	128.77600	84.17810	31.47980	0.0	0.0	115.65800
30.9813E00	12.6847	88.71870	12.65880	88.68275	54.81870	21.24120	0.0	0.0	76.05990
31.0271E00	12.6832	57.45480	12.26460	57.41997	31.51740	13.67280	0.0	0.0	45.19020
31.0731E00	12.6818	38.69330	12.02390	38.65915	17.21170	9.45770	0.0	0.0	26.66940
31.1191E00	12.6803	27.47190	11.90580	27.43809	10.06820	5.49790	0.0	0.0	15.56610
31.1653E00	12.6788	24.37560	11.85620	24.34193	6.91980	5.59960	0.0	0.0	12.51940
31.2115E00	12.6773	23.93070	11.83750	23.89708	5.55270	6.54050	0.0	0.0	12.09320
31.2579E00	12.6758	22.92110	11.83240	22.88750	4.94480	6.14390	0.0	0.0	11.08870
31.3044E00	12.6743	21.95320	11.83460	21.91959	4.71560	5.40300	0.0	0.0	10.11860
31.3509E00	12.6729	21.77700	11.84210	21.74337	4.72160	5.21330	0.0	0.0	9.93490
31.3976E00	12.6714	22.89740	11.85420	22.86373	4.91290	6.13030	0.0	0.0	11.04320
31.4444E00	12.6699	23.28150	11.87160	23.24778	5.28420	6.12570	0.0	0.0	11.40990
31.4912E00	12.6684	24.36930	11.90950	24.33548	5.97160	6.48820	0.0	0.0	12.45980
31.5382E00	12.6669	26.96210	11.94280	26.92818	6.82290	8.19640	0.0	0.0	15.01930
31.5853E00	12.6654	27.62530	11.98950	27.59125	8.05760	7.57820	0.0	0.0	15.63580
31.6325E00	12.6639	31.99840	12.05740	31.96416	9.89530	10.04570	0.0	0.0	19.94100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
30.7536E00	12.6921	0.0	0.0	125.80500	0.00284	2.43000	2.52050	0.69020	0.00380
30.7989E00	12.6906	0.0	0.0	150.75700	0.00284	2.43000	2.65620	0.66460	0.00380
30.8443E00	12.6891	0.0	0.0	157.75400	0.00284	2.43000	3.06140	0.59830	0.00381
30.8899E00	12.6877	0.0	0.0	149.70500	0.00284	2.43000	2.70830	0.65530	0.00381
30.9355E00	12.6862	0.0	0.0	115.65800	0.00284	2.43000	2.67400	0.66140	0.00381
30.9813E00	12.6847	0.0	0.0	76.05990	0.00284	2.43000	2.58080	0.67860	0.00381
31.0271E00	12.6832	0.0	0.0	45.19020	0.00284	2.43000	2.30510	0.73520	0.00382
31.0731E00	12.6818	0.0	0.0	26.66940	0.00284	2.43000	1.81990	0.86170	0.00382
31.1191E00	12.6803	0.0	0.0	15.56610	0.00284	2.43000	1.83130	0.85830	0.00382
31.1653E00	12.6788	0.0	0.0	12.51940	0.00284	2.43000	1.23580	1.08690	0.00382
31.2115E00	12.6773	0.0	0.0	12.09320	0.00284	2.43000	0.84900	1.31420	0.00383
31.2579E00	12.6758	0.0	0.0	11.08870	0.00284	2.43000	0.80480	1.34640	0.00383
31.3044E00	12.6743	0.0	0.0	10.11860	0.00284	2.43000	0.87280	1.29750	0.00383
31.3509E00	12.6729	0.0	0.0	9.93490	0.00284	2.43000	0.90570	1.27510	0.00384
31.3976E00	12.6714	0.0	0.0	11.04320	0.00284	2.43000	0.80140	1.34890	0.00384
31.4444E00	12.6699	0.0	0.0	11.40990	0.00284	2.43000	0.86260	1.30460	0.00384
31.4912E00	12.6684	0.0	0.0	12.45980	0.00284	2.43000	0.92040	1.26540	0.00384
31.5382E00	12.6669	0.0	0.0	15.01930	0.00284	2.43000	0.83240	1.32610	0.00385
31.5853E00	12.6654	0.0	0.0	15.63580	0.00284	2.43000	1.06330	1.17770	0.00385
31.6325E00	12.6639	0.0	0.0	19.94100	0.00284	2.43000	0.98500	1.22420	0.00385

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
31.6798E00	12.6624	36.55520	12.16230	36.52066	12.77170	11.62120	0.0	0.0	24.39290
31.7272E00	12.6609	46.64790	12.33680	46.61286	17.60150	16.70960	0.0	0.0	34.31110
31.7747E00	12.6594	59.48390	12.64970	59.44797	26.30520	20.52900	0.0	0.0	46.83420
31.8224E00	12.6579	87.47410	13.22850	87.43653	42.45060	31.79500	0.0	0.0	74.24560
31.8701E00	12.6564	137.25200	14.23290	137.21200	70.50030	52.51920	0.0	0.0	123.02000
31.9179E00	12.6549	217.42200	15.74410	217.37700	112.72700	88.95150	0.0	0.0	201.67800
31.9659E00	12.6534	303.23700	17.57070	303.18700	163.77700	121.88900	0.0	0.0	285.66600
32.0139E00	12.6519	374.67700	19.12650	374.62300	207.25000	148.30100	0.0	0.0	355.55100
32.0621E00	12.6504	412.63800	19.71600	412.58200	223.69200	169.23000	0.0	0.0	392.92200
32.1103E00	12.6489	372.48400	19.02690	372.43000	204.36900	149.08900	0.0	0.0	353.45800
32.1587E00	12.6474	295.01400	17.40930	294.96400	159.06900	118.53600	0.0	0.0	277.60500
32.2072E00	12.6459	203.37300	15.58160	203.32900	107.89100	79.90110	0.0	0.0	187.79200
32.2558E00	12.6444	131.68200	14.10840	131.64200	66.62300	50.95060	0.0	0.0	117.57400
32.3045E00	12.6429	85.99670	13.15670	85.95933	39.93720	32.90280	0.0	0.0	72.84000
32.3533E00	12.6414	57.77760	12.62500	57.74175	24.99790	20.15470	0.0	0.0	45.15260
32.4023E00	12.6399	45.05840	12.34430	45.02334	17.07020	15.64390	0.0	0.0	32.71410
32.4513E00	12.6384	37.45230	12.19260	37.41767	12.74520	12.51450	0.0	0.0	25.25970
32.5004E00	12.6368	33.92850	12.10540	33.89412	10.21440	11.60870	0.0	0.0	21.82310
32.5497E00	12.6353	30.02740	12.05300	29.99317	8.64440	9.33000	0.0	0.0	17.97440
32.5991E00	12.6338	27.59050	12.02160	27.55636	7.64710	7.92180	0.0	0.0	15.56890

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
31.6798E00	12.6624	0.0	0.0	24.39290	0.00284	2.43000	1.09900	1.15770	0.00386
31.7272E00	12.6609	0.0	0.0	34.31110	0.00284	2.43000	1.05340	1.18340	0.00386
31.7747E00	12.6594	0.0	0.0	46.83420	0.00284	2.43000	1.28140	1.06520	0.00386
31.8224E00	12.6579	0.0	0.0	74.24560	0.00284	2.43000	1.33510	1.04060	0.00386
31.8701E00	12.6564	0.0	0.0	123.02000	0.00284	2.43000	1.34240	1.03740	0.00387
31.9179E00	12.6549	0.0	0.0	201.67800	0.00284	2.43000	1.26730	1.07180	0.00387
31.9659E00	12.6534	0.0	0.0	285.66600	0.00284	2.43000	1.34370	1.03680	0.00387
32.0139E00	12.6519	0.0	0.0	355.55100	0.00284	2.43000	1.39750	1.01360	0.00388
32.0621E00	12.6504	0.0	0.0	392.92200	0.00284	2.43000	1.32180	1.04660	0.00388
32.1103E00	12.6489	0.0	0.0	353.45800	0.00284	2.43000	1.37080	1.02500	0.00388
32.1587E00	12.6474	0.0	0.0	277.60500	0.00284	2.43000	1.34190	1.03760	0.00389
32.2072E00	12.6459	0.0	0.0	187.79200	0.00284	2.43000	1.35030	1.03390	0.00389
32.2558E00	12.6444	0.0	0.0	117.57400	0.00284	2.43000	1.30760	1.05300	0.00389
32.3045E00	12.6429	0.0	0.0	72.84000	0.00284	2.43000	1.21380	1.09770	0.00389
32.3533E00	12.6414	0.0	0.0	45.15260	0.00284	2.43000	1.24030	1.08470	0.00390
32.4023E00	12.6399	0.0	0.0	32.71410	0.00284	2.43000	1.09120	1.16200	0.00390
32.4513E00	12.6384	0.0	0.0	25.25970	0.00284	2.43000	1.01840	1.20390	0.00390
32.5004E00	12.6368	0.0	0.0	21.82310	0.00284	2.43000	0.87990	1.29260	0.00391
32.5497E00	12.6353	0.0	0.0	17.97440	0.00284	2.43000	0.92650	1.26130	0.00391
32.5991E00	12.6338	0.0	0.0	15.56890	0.00284	2.43000	0.96530	1.23640	0.00391

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
32.6486E00	12.6323	26.52840	12.00420	26.49431	7.02490	7.49930	0.0	0.0	14.52420
32.6982E00	12.6308	25.27300	11.99730	25.23893	6.67400	6.60170	0.0	0.0	13.27570
32.7479E00	12.6293	25.90930	11.99920	25.87522	6.54100	7.36910	0.0	0.0	13.91010
32.7977E00	12.6277	24.47140	12.11120	24.43700	6.65910	5.70110	0.0	0.0	12.36020
32.8476E00	12.6262	24.88820	12.03020	24.85403	6.92390	5.93410	0.0	0.0	12.85800
32.8977E00	12.6247	25.22320	12.05960	25.18895	7.41190	5.75170	0.0	0.0	13.16360
32.9479E00	12.6232	26.02860	12.10220	25.99423	8.17900	5.74740	0.0	0.0	13.92640
32.9981E00	12.6216	29.07040	12.16340	29.03586	9.32920	7.57780	0.0	0.0	16.90700
33.0485E00	12.6201	30.71660	12.25350	30.68180	11.06850	7.39460	0.0	0.0	18.46310
33.0991E00	12.6186	34.92070	12.39280	34.88550	13.80920	8.71870	0.0	0.0	22.52790
33.1497E00	12.6171	39.26180	12.62560	39.22594	18.44870	8.18750	0.0	0.0	26.63620
33.2004E00	12.6155	50.47750	13.06030	50.44041	27.18460	10.23260	0.0	0.0	37.41720
33.2513E00	12.6140	74.03820	13.95500	73.99857	45.26110	14.82210	0.0	0.0	60.08320
33.3023E00	12.6125	123.55600	15.78820	123.51100	82.39340	25.37420	0.0	0.0	107.76800
33.3534E00	12.6109	216.31900	19.07560	216.26500	149.06100	48.18330	0.0	0.0	197.24400
33.4046E00	12.6094	348.72600	23.80400	348.65800	244.98600	79.93540	0.0	0.0	324.92200
33.4559E00	12.6079	489.55600	28.69710	489.47500	344.23800	116.62100	0.0	0.0	460.85900
33.5074E00	12.6063	556.10200	31.46930	556.01200	400.37300	124.25900	0.0	0.0	524.63200
33.5589E00	12.6048	525.31100	30.49270	525.22500	380.31200	114.45100	0.0	0.0	494.81900
33.6106E00	12.6033	411.03500	26.35800	410.96000	296.04300	88.63350	0.0	0.0	384.67700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
32.6486E00	12.6323	0.0	0.0	14.52420	0.00284	2.43000	0.93670	1.25470	0.00391
32.6982E00	12.6308	0.0	0.0	13.27570	0.00284	2.43000	1.01100	1.20840	0.00392
32.7479E00	12.6293	0.0	0.0	13.91010	0.00284	2.43000	0.88760	1.28730	0.00392
32.7977E00	12.6277	0.0	0.0	12.36020	0.00284	2.43000	1.16800	1.12080	0.00392
32.8476E00	12.6262	0.0	0.0	12.85800	0.00284	2.43000	1.16680	1.12150	0.00393
32.8977E00	12.6247	0.0	0.0	13.16360	0.00284	2.43000	1.28860	1.06180	0.00393
32.9479E00	12.6232	0.0	0.0	13.92640	0.00284	2.43000	1.42310	1.00290	0.00393
32.9981E00	12.6216	0.0	0.0	16.90700	0.00284	2.43000	1.23110	1.08910	0.00394
33.0485E00	12.6201	0.0	0.0	18.46310	0.00284	2.43000	1.49680	0.97320	0.00394
33.0991E00	12.6186	0.0	0.0	22.52790	0.00284	2.43000	1.58390	0.94050	0.00394
33.1497E00	12.6171	0.0	0.0	26.63620	0.00284	2.43000	2.25330	0.74690	0.00394
33.2004E00	12.6155	0.0	0.0	37.41720	0.00284	2.43000	2.65670	0.66450	0.00395
33.2513E00	12.6140	0.0	0.0	60.08320	0.00284	2.43000	3.05360	0.59950	0.00395
33.3023E00	12.6125	0.0	0.0	107.76800	0.00284	2.43000	3.24710	0.57220	0.00395
33.3534E00	12.6109	0.0	0.0	197.24400	0.00284	2.43000	3.09360	0.59360	0.00396
33.4046E00	12.6094	0.0	0.0	324.92200	0.00284	2.43000	3.06480	0.59780	0.00396
33.4559E00	12.6079	0.0	0.0	460.85900	0.00284	2.43000	2.95180	0.61490	0.00396
33.5074E00	12.6063	0.0	0.0	524.63200	0.00284	2.43000	3.22210	0.57550	0.00397
33.5589E00	12.6048	0.0	0.0	494.81900	0.00284	2.43000	3.32130	0.56230	0.00397
33.6106E00	12.6033	0.0	0.0	384.67700	0.00284	2.43000	3.34010	0.55990	0.00397

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
33.6624E00	12.6017	270.77800	21.29710	270.71800	192.89300	56.58800	0.0	0.0	249.48100
33.7144E00	12.6002	165.63700	17.26520	165.58800	110.55900	37.81340	0.0	0.0	148.37200
33.7664E00	12.5986	100.06700	14.85250	100.02500	60.99310	24.22180	0.0	0.0	85.21490
33.8186E00	12.5971	68.59870	13.68370	68.55984	36.50350	18.41150	0.0	0.0	54.91500
33.8709E00	12.5955	58.06170	13.20980	58.02418	25.82230	19.02960	0.0	0.0	44.85190
33.9233E00	12.5940	49.71960	13.08630	49.68243	21.72180	14.91150	0.0	0.0	36.63330
33.9758E00	12.5924	56.27230	13.41300	56.23421	25.18350	17.67580	0.0	0.0	42.85930
34.0285E00	12.5909	59.78650	13.86770	59.74712	29.35380	16.56500	0.0	0.0	45.91880
34.0812E00	12.5893	80.87080	14.99540	80.82821	41.25020	24.62520	0.0	0.0	65.87540
34.1341E00	12.5878	121.51300	17.67640	121.46300	70.40020	33.43640	0.0	0.0	103.83700
34.1872E00	12.5862	211.95300	23.20320	211.88700	130.90800	57.84180	0.0	0.0	188.75000
34.2403E00	12.5847	354.80600	32.19090	354.71500	229.49300	93.12280	0.0	0.0	322.61500
34.2936E00	12.5831	516.72100	42.78190	516.60000	345.81600	128.12300	0.0	0.0	473.93900
34.3470E00	12.5816	628.40200	50.03570	628.26000	425.79400	152.57200	0.0	0.0	578.36600
34.4005E00	12.5800	622.89300	49.49650	622.75300	420.71700	152.68000	0.0	0.0	573.39700
34.4542E00	12.5785	506.66400	41.52590	506.54600	334.80200	130.33600	0.0	0.0	465.13800
34.5079E00	12.5769	355.50100	31.01770	355.41300	222.32000	102.16300	0.0	0.0	324.48300
34.5618E00	12.5753	248.81300	22.72000	248.74800	136.87800	89.21520	0.0	0.0	226.09300
34.6158E00	12.5738	201.16400	18.18560	201.11200	97.92030	85.05790	0.0	0.0	182.97800
34.6700E00	12.5722	202.15900	16.62670	202.11200	98.89030	86.64220	0.0	0.0	185.53300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
33.6624E00	12.6017	0.0	0.0	249.48100	0.00284	2.43000	3.40870	0.55120	0.00398
33.7144E00	12.6002	0.0	0.0	148.37200	0.00284	2.43000	2.92380	0.61930	0.00398
33.7664E00	12.5986	0.0	0.0	85.21490	0.00284	2.43000	2.51810	0.69070	0.00398
33.8186E00	12.5971	0.0	0.0	54.91500	0.00284	2.43000	1.98260	0.81470	0.00398
33.8709E00	12.5955	0.0	0.0	44.85190	0.00284	2.43000	1.35700	1.03100	0.00399
33.9233E00	12.5940	0.0	0.0	36.63330	0.00284	2.43000	1.45670	0.98910	0.00399
33.9758E00	12.5924	0.0	0.0	42.85930	0.00284	2.43000	1.42470	1.00220	0.00399
34.0285E00	12.5909	0.0	0.0	45.91880	0.00284	2.43000	1.77200	0.87660	0.00400
34.0812E00	12.5893	0.0	0.0	65.87540	0.00284	2.43000	1.67510	0.90840	0.00400
34.1341E00	12.5878	0.0	0.0	103.83700	0.00284	2.43000	2.10550	0.78250	0.00400
34.1872E00	12.5862	0.0	0.0	188.75000	0.00284	2.43000	2.26320	0.74470	0.00401
34.2403E00	12.5847	0.0	0.0	322.61500	0.00284	2.43000	2.46440	0.70140	0.00401
34.2936E00	12.5831	0.0	0.0	473.93900	0.00284	2.43000	2.69910	0.65690	0.00401
34.3470E00	12.5816	0.0	0.0	578.36600	0.00284	2.43000	2.79080	0.64100	0.00402
34.4005E00	12.5800	0.0	0.0	573.39700	0.00284	2.43000	2.75550	0.64700	0.00402
34.4542E00	12.5785	0.0	0.0	465.13800	0.00284	2.43000	2.56880	0.68090	0.00402
34.5079E00	12.5769	0.0	0.0	324.48300	0.00284	2.43000	2.17610	0.76510	0.00402
34.5618E00	12.5753	0.0	0.0	226.09300	0.00284	2.43000	1.53420	0.95890	0.00403
34.6158E00	12.5738	0.0	0.0	182.97800	0.00284	2.43000	1.15120	1.12960	0.00403
34.6700E00	12.5722	0.0	0.0	185.53300	0.00284	2.43000	1.14140	1.13480	0.00403

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
34.7243E00	12.5707	239.35300	16.66690	239.30500	122.18100	100.50500	0.0	0.0	222.68600
34.7787E00	12.5691	281.74900	17.25080	281.70000	147.72100	116.77800	0.0	0.0	264.49900
34.8332E00	12.5675	318.30200	17.84860	318.25100	161.07200	139.38100	0.0	0.0	300.45300
34.8879E00	12.5660	334.09900	18.51310	334.04600	163.26600	152.32000	0.0	0.0	315.58600
34.9427E00	12.5644	354.25800	19.76330	354.20100	170.53500	163.95900	0.0	0.0	334.49400
34.9976E00	12.5628	416.24600	22.05740	416.18300	198.56500	195.62300	0.0	0.0	394.18800
35.0526E00	12.5612	528.11500	25.35660	528.04200	249.75000	253.00800	0.0	0.0	502.75800
35.1078E00	12.5597	645.86300	28.66880	645.78200	305.26200	311.93300	0.0	0.0	617.19500
35.1631E00	12.5581	724.32400	30.53970	724.23700	337.19800	356.58600	0.0	0.0	693.78400
35.2186E00	12.5565	697.16100	29.96750	697.07600	326.38600	340.80800	0.0	0.0	667.19400
35.2741E00	12.5549	580.18900	27.16670	580.11200	276.12200	276.90100	0.0	0.0	553.02300
35.3298E00	12.5534	438.37100	23.34220	438.30400	207.72100	207.30700	0.0	0.0	415.02800
35.3857E00	12.5518	318.58000	19.77050	318.52400	143.89800	154.91100	0.0	0.0	298.80900
35.4416E00	12.5502	219.75000	17.10940	219.70200	96.36480	106.27600	0.0	0.0	202.64100
35.4977E00	12.5486	159.60000	15.36600	159.55600	65.23050	79.00300	0.0	0.0	144.23400
35.5540E00	12.5470	127.42900	14.28400	127.38800	45.92870	67.21600	0.0	0.0	113.14500
35.6103E00	12.5455	101.13500	13.61120	101.09700	33.90320	53.62100	0.0	0.0	87.52420
35.6668E00	12.5439	84.38380	13.17180	84.34639	26.06600	45.14600	0.0	0.0	71.21200
35.7235E00	12.5423	76.69340	12.87120	76.65685	20.70800	43.11420	0.0	0.0	63.82220
35.7803E00	12.5407	66.96970	12.65670	66.93375	16.88860	37.42440	0.0	0.0	54.31300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
34.7243E00	12.5707	0.0	0.0	222.68600	0.00284	2.43000	1.21570	1.09670	0.00404
34.7787E00	12.5691	0.0	0.0	264.49900	0.00284	2.43000	1.26500	1.07290	0.00404
34.8332E00	12.5675	0.0	0.0	300.45300	0.00284	2.43000	1.15560	1.12730	0.00404
34.8879E00	12.5660	0.0	0.0	315.58600	0.00284	2.43000	1.07190	1.17290	0.00405
34.9427E00	12.5644	0.0	0.0	334.49400	0.00284	2.43000	1.04010	1.19110	0.00405
34.9976E00	12.5628	0.0	0.0	394.18800	0.00284	2.43000	1.01500	1.20590	0.00405
35.0526E00	12.5612	0.0	0.0	502.75800	0.00284	2.43000	0.98710	1.22290	0.00406
35.1078E00	12.5597	0.0	0.0	617.19500	0.00284	2.43000	0.97860	1.22810	0.00406
35.1631E00	12.5581	0.0	0.0	693.78400	0.00284	2.43000	0.94560	1.24900	0.00406
35.2186E00	12.5565	0.0	0.0	667.19400	0.00284	2.43000	0.95770	1.24130	0.00407
35.2741E00	12.5549	0.0	0.0	553.02300	0.00284	2.43000	0.99720	1.21670	0.00407
35.3298E00	12.5534	0.0	0.0	415.02800	0.00284	2.43000	1.00200	1.21380	0.00407
35.3857E00	12.5518	0.0	0.0	298.80900	0.00284	2.43000	0.92890	1.25980	0.00408
35.4416E00	12.5502	0.0	0.0	202.64100	0.00284	2.43000	0.90670	1.27440	0.00408
35.4977E00	12.5486	0.0	0.0	144.23400	0.00284	2.43000	0.82570	1.33100	0.00408
35.5540E00	12.5470	0.0	0.0	113.14500	0.00284	2.43000	0.68330	1.44360	0.00409
35.6103E00	12.5455	0.0	0.0	87.52420	0.00284	2.43000	0.63230	1.48870	0.00409
35.6668E00	12.5439	0.0	0.0	71.21200	0.00284	2.43000	0.57740	1.54050	0.00409
35.7235E00	12.5423	0.0	0.0	63.82220	0.00284	2.43000	0.48030	1.64160	0.00409
35.7803E00	12.5407	0.0	0.0	54.31300	0.00284	2.43000	0.45130	1.67440	0.00410

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
35.8372E00	12.5391	61.75260	12.49800	61.71711	14.06490	35.18970	0.0	0.0	49.25460
35.8942E00	12.5375	57.58190	12.37690	57.54675	11.91440	33.29060	0.0	0.0	45.20500
35.9514E00	12.5359	52.41620	12.28220	52.38132	10.23380	29.90020	0.0	0.0	40.13400
36.0087E00	12.5343	47.62800	12.20670	47.59333	8.89620	26.52510	0.0	0.0	35.42130
36.0662E00	12.5327	45.19080	12.14550	45.15631	7.81180	25.23350	0.0	0.0	33.04530
36.1237E00	12.5311	43.73900	12.09510	43.70465	6.92300	24.72090	0.0	0.0	31.64390
36.1815E00	12.5295	45.95490	12.05310	45.92067	6.18160	27.72020	0.0	0.0	33.90180
36.2393E00	12.5280	42.64960	12.01780	42.61547	5.56000	25.07180	0.0	0.0	30.63180
36.2973E00	12.5264	39.70960	11.98770	39.67555	5.03210	22.68980	0.0	0.0	27.72190
36.3555E00	12.5248	36.52370	11.96190	36.48973	4.58020	19.98160	0.0	0.0	24.56180
36.4138E00	12.5231	38.76800	11.93970	38.73409	4.19140	22.63690	0.0	0.0	26.82830
36.4722E00	12.5215	36.42850	11.92030	36.39465	3.85490	20.65330	0.0	0.0	24.50820
36.5308E00	12.5199	36.65110	11.90340	36.61729	3.56160	21.18610	0.0	0.0	24.74770
36.5895E00	12.5183	34.18070	11.88860	34.14694	3.30530	18.98680	0.0	0.0	22.29210
36.6483E00	12.5167	35.39810	11.87560	35.36437	3.08070	20.44180	0.0	0.0	23.52250
36.7073E00	12.5151	34.95270	11.86400	34.91901	2.88290	20.20580	0.0	0.0	23.08870
36.7664E00	12.5135	31.91690	11.83290	31.88329	2.49360	17.59040	0.0	0.0	20.08400
36.8257E00	12.5119	31.80390	11.82480	31.77032	2.35180	17.62730	0.0	0.0	19.97910
36.8851E00	12.5103	30.52100	11.81770	30.48744	2.22790	16.47540	0.0	0.0	18.70330
36.9447E00	12.5087	31.41990	11.81130	31.38636	2.11990	17.48870	0.0	0.0	19.60860

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
35.8372E00	12.5391	0.0	0.0	49.25460	0.00284	2.43000	0.39970	1.73610	0.00410
35.8942E00	12.5375	0.0	0.0	45.20500	0.00284	2.43000	0.35790	1.78950	0.00410
35.9514E00	12.5359	0.0	0.0	40.13400	0.00284	2.43000	0.34230	1.81040	0.00411
36.0087E00	12.5343	0.0	0.0	35.42130	0.00284	2.43000	0.33540	1.81970	0.00411
36.0662E00	12.5327	0.0	0.0	33.04530	0.00284	2.43000	0.30960	1.85560	0.00411
36.1237E00	12.5311	0.0	0.0	31.64390	0.00284	2.43000	0.28000	1.89840	0.00412
36.1815E00	12.5295	0.0	0.0	33.90180	0.00284	2.43000	0.22300	1.98690	0.00412
36.2393E00	12.5280	0.0	0.0	30.63180	0.00284	2.43000	0.22180	1.98890	0.00412
36.2973E00	12.5264	0.0	0.0	27.72190	0.00284	2.43000	0.22180	1.98890	0.00413
36.3555E00	12.5248	0.0	0.0	24.56180	0.00284	2.43000	0.22920	1.97690	0.00413
36.4138E00	12.5231	0.0	0.0	26.82830	0.00284	2.43000	0.18520	2.05040	0.00413
36.4722E00	12.5215	0.0	0.0	24.50820	0.00284	2.43000	0.18660	2.04780	0.00414
36.5308E00	12.5199	0.0	0.0	24.74770	0.00284	2.43000	0.16810	2.08030	0.00414
36.5895E00	12.5183	0.0	0.0	22.29210	0.00284	2.43000	0.17410	2.06970	0.00414
36.6483E00	12.5167	0.0	0.0	23.52250	0.00284	2.43000	0.15070	2.11170	0.00415
36.7073E00	12.5151	0.0	0.0	23.08870	0.00284	2.43000	0.14270	2.12660	0.00415
36.7664E00	12.5135	0.0	0.0	20.08400	0.00284	2.43000	0.14180	2.12830	0.00415
36.8257E00	12.5119	0.0	0.0	19.97910	0.00284	2.43000	0.13340	2.14400	0.00416
36.8851E00	12.5103	0.0	0.0	18.70330	0.00284	2.43000	0.13520	2.14050	0.00416
36.9447E00	12.5087	0.0	0.0	19.60860	0.00284	2.43000	0.12120	2.16730	0.00416

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
37.0044E00	12.5071	30.54900	11.80570	30.51547	2.02660	16.71670	0.0	0.0	18.74330
37.0643E00	12.5054	29.69540	11.80080	29.66189	1.94690	15.94770	0.0	0.0	17.89460
37.1243E00	12.5038	29.56060	11.79650	29.52710	1.88020	15.88390	0.0	0.0	17.76410
37.1844E00	12.5022	30.67410	11.79280	30.64061	1.82630	17.05500	0.0	0.0	18.88130
37.2447E00	12.5006	30.56520	11.78970	30.53172	1.78510	16.99040	0.0	0.0	18.77550
37.3051E00	12.4990	29.65810	11.78710	29.62462	1.75720	16.11380	0.0	0.0	17.87100
37.3657E00	12.4973	31.02820	11.78500	30.99473	1.74370	17.49950	0.0	0.0	19.24320
37.4265E00	12.4957	31.70830	11.78360	31.67483	1.74640	18.17830	0.0	0.0	19.92470
37.4873E00	12.4941	31.66570	11.78270	31.63224	1.76840	18.11460	0.0	0.0	19.88300
37.5484E00	12.4925	31.68870	11.78260	31.65524	1.81440	18.09170	0.0	0.0	19.90610
37.6096E00	12.4908	32.34450	11.78350	32.31103	1.89210	18.66890	0.0	0.0	20.56100
37.6709E00	12.4892	30.85170	11.78550	30.81823	2.01410	17.05210	0.0	0.0	19.06620
37.7324E00	12.4876	32.14730	11.78920	32.11382	2.20310	18.15500	0.0	0.0	20.35810
37.7940E00	12.4859	31.37310	11.79550	31.33960	2.50290	17.07470	0.0	0.0	19.57760
37.8558E00	12.4843	33.21130	11.80680	33.17777	3.01260	18.39190	0.0	0.0	21.40450
37.9177E00	12.4827	37.38010	11.82890	37.34651	3.99130	21.55990	0.0	0.0	25.55120
37.9798E00	12.4810	38.15240	11.87920	38.11866	6.21730	20.05590	0.0	0.0	26.27320
38.0420E00	12.4794	47.92630	12.00520	47.89221	11.79910	24.12200	0.0	0.0	35.92110
38.1044E00	12.4778	61.46550	12.28750	61.43060	24.32900	24.84900	0.0	0.0	49.17800
38.1670E00	12.4761	85.63830	12.77100	85.60203	45.80160	27.06570	0.0	0.0	72.86730

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
37.0044E00	12.5071	0.0	0.0	18.74330	0.00284	2.43000	0.12120	2.16730	0.00417
37.0643E00	12.5054	0.0	0.0	17.89460	0.00284	2.43000	0.12210	2.16560	0.00417
37.1243E00	12.5038	0.0	0.0	17.76410	0.00284	2.43000	0.11840	2.17280	0.00417
37.1844E00	12.5022	0.0	0.0	18.88130	0.00284	2.43000	0.10710	2.19500	0.00418
37.2447E00	12.5006	0.0	0.0	18.77550	0.00284	2.43000	0.10510	2.19900	0.00418
37.3051E00	12.4990	0.0	0.0	17.87100	0.00284	2.43000	0.10910	2.19110	0.00418
37.3657E00	12.4973	0.0	0.0	19.24320	0.00284	2.43000	0.09960	2.20980	0.00419
37.4265E00	12.4957	0.0	0.0	19.92470	0.00284	2.43000	0.09610	2.21700	0.00419
37.4873E00	12.4941	0.0	0.0	19.88300	0.00284	2.43000	0.09760	2.21390	0.00419
37.5484E00	12.4925	0.0	0.0	19.90610	0.00284	2.43000	0.10030	2.20850	0.00420
37.6096E00	12.4908	0.0	0.0	20.56100	0.00284	2.43000	0.10140	2.20640	0.00420
37.6709E00	12.4892	0.0	0.0	19.06620	0.00284	2.43000	0.11810	2.17330	0.00421
37.7324E00	12.4876	0.0	0.0	20.35810	0.00284	2.43000	0.12130	2.16700	0.00421
37.7940E00	12.4859	0.0	0.0	19.57760	0.00284	2.43000	0.14660	2.11930	0.00421
37.8558E00	12.4843	0.0	0.0	21.40450	0.00284	2.43000	0.16380	2.08800	0.00422
37.9177E00	12.4827	0.0	0.0	25.55120	0.00284	2.43000	0.18510	2.05040	0.00422
37.9798E00	12.4810	0.0	0.0	26.27320	0.00284	2.43000	0.31000	1.85500	0.00422
38.0420E00	12.4794	0.0	0.0	35.92110	0.00284	2.43000	0.48910	1.63180	0.00423
38.1044E00	12.4778	0.0	0.0	49.17800	0.00284	2.43000	0.97910	1.22780	0.00423
38.1670E00	12.4761	0.0	0.0	72.86730	0.00284	2.43000	1.69220	0.90260	0.00423

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
38.2296E00	12.4745	112.60100	13.32260	112.56300	70.28280	28.99560	0.0	0.0	99.27840
38.2925E00	12.4728	130.85300	13.61960	130.81400	83.41330	33.81980	0.0	0.0	117.23300
38.3555E00	12.4712	118.07400	13.43590	118.03600	75.11040	29.52760	0.0	0.0	104.63800
38.4187E00	12.4696	91.53990	12.91600	91.50322	51.80520	26.81870	0.0	0.0	78.62390
38.4820E00	12.4679	64.16290	12.40030	64.12768	28.64460	23.11800	0.0	0.0	51.76260
38.5455E00	12.4663	44.42490	12.08120	44.39059	14.17510	18.16860	0.0	0.0	32.34370
38.6091E00	12.4646	36.92070	11.94150	36.88679	7.61570	17.36350	0.0	0.0	24.97920
38.6729E00	12.4630	33.31100	11.89760	33.27721	5.20920	16.20420	0.0	0.0	21.41340
38.7368E00	12.4613	28.78620	11.89390	28.75242	4.42580	12.46650	0.0	0.0	16.89230
38.8009E00	12.4597	29.07580	11.91120	29.04197	4.33120	12.83340	0.0	0.0	17.16460
38.8652E00	12.4580	30.58460	11.94970	30.55066	4.76940	13.86550	0.0	0.0	18.63490
38.9296E00	12.4563	31.11390	12.01540	31.07978	5.66280	13.43570	0.0	0.0	19.09850
38.9942E00	12.4547	36.35080	12.13640	36.31633	7.46220	16.75220	0.0	0.0	24.21440
39.0590E00	12.4530	42.22780	12.38860	42.19262	11.33120	18.50800	0.0	0.0	29.83920
39.1239E00	12.4514	61.82590	12.98160	61.78903	20.58170	28.26260	0.0	0.0	48.84430
39.1889E00	12.4497	109.69600	14.33330	109.65600	41.48540	53.87770	0.0	0.0	95.36310
39.2542E00	12.4480	194.31600	16.82350	194.26800	80.14530	97.34700	0.0	0.0	177.49200
39.3196E00	12.4464	298.12800	20.03900	298.07100	130.08700	148.00200	0.0	0.0	278.08900
39.3851E00	12.4447	365.82200	22.30220	365.75800	165.30300	178.21600	0.0	0.0	343.51900
39.4509E00	12.4430	346.60200	21.95080	346.53900	160.03700	164.61400	0.0	0.0	324.65100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
38.2296E00	12.4745	0.0	0.0	99.27840	0.00284	2.43000	2.42390	0.70970	0.00424
38.2925E00	12.4728	0.0	0.0	117.23300	0.00284	2.43000	2.46640	0.70100	0.00424
38.3555E00	12.4712	0.0	0.0	104.63800	0.00284	2.43000	2.54370	0.68570	0.00424
38.4187E00	12.4696	0.0	0.0	78.62390	0.00284	2.43000	1.93170	0.82890	0.00425
38.4820E00	12.4679	0.0	0.0	51.76260	0.00284	2.43000	1.23910	1.08530	0.00425
38.5455E00	12.4663	0.0	0.0	32.34370	0.00284	2.43000	0.78020	1.36500	0.00425
38.6091E00	12.4646	0.0	0.0	24.97920	0.00284	2.43000	0.43860	1.68910	0.00426
38.6729E00	12.4630	0.0	0.0	21.41340	0.00284	2.43000	0.32150	1.83890	0.00426
38.7368E00	12.4613	0.0	0.0	16.89230	0.00284	2.43000	0.35500	1.79330	0.00426
38.8009E00	12.4597	0.0	0.0	17.16460	0.00284	2.43000	0.33750	1.81680	0.00427
38.8652E00	12.4580	0.0	0.0	18.63490	0.00284	2.43000	0.34400	1.80810	0.00427
38.9296E00	12.4563	0.0	0.0	19.09850	0.00284	2.43000	0.42150	1.70950	0.00427
38.9942E00	12.4547	0.0	0.0	24.21440	0.00284	2.43000	0.44540	1.68110	0.00428
39.0590E00	12.4530	0.0	0.0	29.83920	0.00284	2.43000	0.61220	1.50720	0.00428
39.1239E00	12.4514	0.0	0.0	48.84430	0.00284	2.43000	0.72820	1.40810	0.00429
39.1889E00	12.4497	0.0	0.0	95.36310	0.00284	2.43000	0.77000	1.37290	0.00429
39.2542E00	12.4480	0.0	0.0	177.49200	0.00284	2.43000	0.82330	1.33280	0.00429
39.3196E00	12.4464	0.0	0.0	278.08900	0.00284	2.43000	0.87900	1.29330	0.00430
39.3851E00	12.4447	0.0	0.0	343.51900	0.00284	2.43000	0.92750	1.26070	0.00430
39.4509E00	12.4430	0.0	0.0	324.65100	0.00284	2.43000	0.97220	1.23210	0.00430

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
39.5168E00	12.4414	256.54900	19.24850	256.49500	118.47500	118.82600	0.0	0.0	237.30100
39.5828E00	12.4397	159.88800	16.08570	159.84200	70.23110	73.57080	0.0	0.0	143.80200
39.6490E00	12.4380	100.03600	13.90790	99.99680	38.59590	47.53250	0.0	0.0	86.12840
39.7154E00	12.4364	75.03890	12.85910	75.00238	27.48610	34.69370	0.0	0.0	62.17980
39.7820E00	12.4347	79.80680	12.52820	79.77122	31.58340	35.69520	0.0	0.0	67.27860
39.8487E00	12.4330	89.32150	12.48450	89.28604	41.68970	35.14730	0.0	0.0	76.83700
39.9156E00	12.4313	90.22550	12.46440	90.19010	46.94540	30.81570	0.0	0.0	77.76110
39.9826E00	12.4297	82.20130	12.34580	82.16624	40.96020	28.89530	0.0	0.0	69.85550
40.0499E00	12.4280	62.86610	12.16000	62.83157	27.77810	22.92800	0.0	0.0	50.70610
40.1173E00	12.4263	47.56160	12.00550	47.52750	16.13020	19.42590	0.0	0.0	35.55610
40.1848E00	12.4246	39.92430	11.93660	39.89040	10.46800	17.51970	0.0	0.0	27.98770
40.2526E00	12.4229	38.84840	11.97290	38.81440	11.29820	15.57730	0.0	0.0	26.87550
40.3205E00	12.4212	51.06630	12.17170	51.03173	20.23590	18.65870	0.0	0.0	38.89460
40.3885E00	12.4196	79.73850	12.59240	79.70274	39.50730	27.63880	0.0	0.0	67.14610
40.4568E00	12.4179	110.36200	13.14690	110.32400	64.93660	32.33830	0.0	0.0	97.21490
40.5252E00	12.4162	127.96400	13.49240	127.92600	80.84110	33.63050	0.0	0.0	114.47200
40.5938E00	12.4145	120.37900	13.33700	120.34100	73.89800	33.14380	0.0	0.0	107.04200
40.6626E00	12.4128	92.27530	12.80860	92.23892	49.94680	29.51990	0.0	0.0	79.46670
40.7315E00	12.4111	63.56290	12.28820	63.52800	26.38330	24.89140	0.0	0.0	51.27470
40.8007E00	12.4094	50.02050	11.98400	49.98647	12.74040	25.29610	0.0	0.0	38.03650

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
39.5168E00	12.4414	0.0	0.0	237.30100	0.00284	2.43000	0.99700	1.21680	0.00431
39.5828E00	12.4397	0.0	0.0	143.80200	0.00284	2.43000	0.95460	1.24320	0.00431
39.6490E00	12.4380	0.0	0.0	86.12840	0.00284	2.43000	0.81200	1.34110	0.00431
39.7154E00	12.4364	0.0	0.0	62.17980	0.00284	2.43000	0.79220	1.35580	0.00432
39.7820E00	12.4347	0.0	0.0	67.27860	0.00284	2.43000	0.88480	1.28930	0.00432
39.8487E00	12.4330	0.0	0.0	76.83700	0.00284	2.43000	1.18610	1.11150	0.00432
39.9156E00	12.4313	0.0	0.0	77.76110	0.00284	2.43000	1.52340	0.96300	0.00433
39.9826E00	12.4297	0.0	0.0	69.85550	0.00284	2.43000	1.41750	1.00520	0.00433
40.0499E00	12.4280	0.0	0.0	50.70610	0.00284	2.43000	1.21150	1.09880	0.00434
40.1173E00	12.4263	0.0	0.0	35.55610	0.00284	2.43000	0.83030	1.32760	0.00434
40.1848E00	12.4246	0.0	0.0	27.98770	0.00284	2.43000	0.59750	1.52110	0.00434
40.2526E00	12.4229	0.0	0.0	26.87550	0.00284	2.43000	0.72530	1.40850	0.00435
40.3205E00	12.4212	0.0	0.0	38.89460	0.00284	2.43000	1.08450	1.16570	0.00435
40.3885E00	12.4196	0.0	0.0	67.14610	0.00284	2.43000	1.42940	1.00020	0.00435
40.4568E00	12.4179	0.0	0.0	97.21490	0.00284	2.43000	2.00800	0.80780	0.00436
40.5252E00	12.4162	0.0	0.0	114.47200	0.00284	2.43000	2.40380	0.71390	0.00436
40.5938E00	12.4145	0.0	0.0	107.04200	0.00284	2.43000	2.22960	0.75240	0.00437
40.6626E00	12.4128	0.0	0.0	79.46670	0.00284	2.43000	1.69200	0.90270	0.00437
40.7315E00	12.4111	0.0	0.0	51.27470	0.00284	2.43000	1.05990	1.17960	0.00437
40.8007E00	12.4094	0.0	0.0	38.03650	0.00284	2.43000	0.50360	1.61610	0.00438

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
40.8700E00	12.4077	41.34470	11.86940	41.31099	7.92350	21.55180	0.0	0.0	29.47530
40.9394E00	12.4060	43.83270	11.88910	43.79893	9.30670	22.63690	0.0	0.0	31.94360
41.0091E00	12.4043	49.50650	11.99940	49.47242	16.29640	21.21070	0.0	0.0	37.50710
41.0789E00	12.4026	69.34010	12.22470	69.30538	30.30120	26.81420	0.0	0.0	57.11540
41.1489E00	12.4009	89.75310	12.49790	89.71761	47.19940	30.05580	0.0	0.0	77.25520
41.2191E00	12.3992	98.15670	12.64530	98.12079	56.18370	29.32770	0.0	0.0	85.51140
41.2895E00	12.3975	97.55590	12.56540	97.52021	51.13110	33.85940	0.0	0.0	84.99050
41.3601E00	12.3958	88.61290	12.37590	88.57775	39.50190	36.73510	0.0	0.0	76.23700
41.4308E00	12.3941	80.53670	12.28160	80.50182	32.60160	35.65350	0.0	0.0	68.25510
41.5017E00	12.3924	87.48900	12.42000	87.45373	32.94660	42.12240	0.0	0.0	75.06900
41.5728E00	12.3906	92.40350	13.06860	92.36639	41.84550	37.48940	0.0	0.0	79.33490
41.6441E00	12.3889	123.80500	14.87490	123.76200	70.47290	38.45680	0.0	0.0	108.93000
41.7155E00	12.3872	191.99600	18.30050	191.94400	129.89100	43.80410	0.0	0.0	173.69600
41.7872E00	12.3855	275.82800	22.18900	275.76500	200.01500	53.62370	0.0	0.0	253.63900
41.8590E00	12.3838	307.66700	23.64970	307.60000	226.50800	57.50980	0.0	0.0	284.01700
41.9310E00	12.3821	257.38100	21.32090	257.32000	183.46900	52.59120	0.0	0.0	236.06000
42.0032E00	12.3803	170.09300	17.30210	170.04300	111.12600	41.66490	0.0	0.0	152.79000
42.0756E00	12.3786	112.09200	14.33600	112.05100	62.82710	34.92910	0.0	0.0	97.75620
42.1482E00	12.3769	101.65700	13.06800	101.62000	51.20560	37.38350	0.0	0.0	88.58910
42.2209E00	12.3752	104.60000	12.74310	104.56300	56.05030	35.80620	0.0	0.0	91.85650

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
40.8700E00	12.4077	0.0	0.0	29.47530	0.00284	2.43000	0.36760	1.77680	0.00438
40.9394E00	12.4060	0.0	0.0	31.94360	0.00284	2.43000	0.41110	1.72200	0.00438
41.0091E00	12.4043	0.0	0.0	37.50710	0.00284	2.43000	0.76830	1.37420	0.00439
41.0789E00	12.4026	0.0	0.0	57.11540	0.00284	2.43000	1.13000	1.14080	0.00439
41.1489E00	12.4009	0.0	0.0	77.25520	0.00284	2.43000	1.57040	0.94540	0.00439
41.2191E00	12.3992	0.0	0.0	85.51140	0.00284	2.43000	1.91570	0.83340	0.00440
41.2895E00	12.3975	0.0	0.0	84.99050	0.00284	2.43000	1.51010	0.96810	0.00440
41.3601E00	12.3958	0.0	0.0	76.23700	0.00284	2.43000	1.07530	1.17090	0.00441
41.4308E00	12.3941	0.0	0.0	68.25510	0.00284	2.43000	0.91440	1.26930	0.00441
41.5017E00	12.3924	0.0	0.0	75.06900	0.00284	2.43000	0.78220	1.36350	0.00441
41.5728E00	12.3906	0.0	0.0	79.33490	0.00284	2.43000	1.11620	1.14830	0.00442
41.6441E00	12.3889	0.0	0.0	108.93000	0.00284	2.43000	1.83250	0.85790	0.00442
41.7155E00	12.3872	0.0	0.0	173.69600	0.00284	2.43000	2.96530	0.61280	0.00443
41.7872E00	12.3855	0.0	0.0	253.63900	0.00284	2.43000	3.73000	0.51370	0.00443
41.8590E00	12.3838	0.0	0.0	284.01700	0.00284	2.43000	3.93860	0.49200	0.00443
41.9310E00	12.3821	0.0	0.0	236.06000	0.00284	2.43000	3.48860	0.54140	0.00444
42.0032E00	12.3803	0.0	0.0	152.79000	0.00284	2.43000	2.66710	0.66260	0.00444
42.0756E00	12.3786	0.0	0.0	97.75620	0.00284	2.43000	1.79870	0.86830	0.00444
42.1482E00	12.3769	0.0	0.0	88.58910	0.00284	2.43000	1.36970	1.02540	0.00445
42.2209E00	12.3752	0.0	0.0	91.85650	0.00284	2.43000	1.56540	0.94720	0.00445

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
42.2939E00	12.3735	101.33400	12.59580	101.29800	54.69410	34.04390	0.0	0.0	88.73800
42.3670E00	12.3717	85.32430	12.40790	85.28906	43.92580	28.99060	0.0	0.0	72.91640
42.4404E00	12.3700	71.48640	12.32100	71.45141	37.64000	21.52540	0.0	0.0	59.16540
42.5139E00	12.3683	79.67660	12.46320	79.64120	46.20050	21.01290	0.0	0.0	67.21340
42.5876E00	12.3665	93.78410	12.69640	93.74804	61.31730	19.77040	0.0	0.0	81.08770
42.6615E00	12.3648	96.88810	12.73710	96.85193	64.20180	19.94920	0.0	0.0	84.15100
42.7356E00	12.3631	77.76850	12.49030	77.73303	48.49280	16.78540	0.0	0.0	65.27820
42.8099E00	12.3613	53.10250	12.15570	53.06798	27.01570	13.93110	0.0	0.0	40.94680
42.8844E00	12.3596	37.63930	11.93460	37.60541	12.71570	12.98900	0.0	0.0	25.70470
42.9591E00	12.3578	30.94640	11.84920	30.91275	6.94640	12.15080	0.0	0.0	19.09720
43.0339E00	12.3561	30.22440	11.83740	30.19078	6.05170	12.33530	0.0	0.0	18.38700
43.1090E00	12.3544	35.95870	11.94290	35.92478	9.88340	14.13240	0.0	0.0	24.01580
43.1843E00	12.3526	52.96120	12.27060	52.92635	22.62920	18.06140	0.0	0.0	40.69060
43.2597E00	12.3509	86.36390	12.95340	86.32711	49.43530	23.97520	0.0	0.0	73.41050
43.3354E00	12.3491	127.74700	13.81750	127.70700	83.41410	30.51510	0.0	0.0	113.92900
43.4113E00	12.3474	149.24900	14.23580	149.20900	99.81690	35.19650	0.0	0.0	135.01300
43.4873E00	12.3456	128.17200	13.81730	128.13200	83.20860	31.14570	0.0	0.0	114.35400
43.5636E00	12.3439	88.05190	12.98770	88.01501	50.34400	24.72020	0.0	0.0	75.06420
43.6400E00	12.3421	61.44110	12.42620	61.40581	27.90250	21.11240	0.0	0.0	49.01490
43.7167E00	12.3404	61.91800	12.42520	61.88271	27.13750	22.35530	0.0	0.0	49.49280

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
42.2939E00	12.3735	0.0	0.0	88.73800	0.00284	2.43000	1.60660	0.93230	0.00446
42.3670E00	12.3717	0.0	0.0	72.91640	0.00284	2.43000	1.51520	0.96610	0.00446
42.4404E00	12.3700	0.0	0.0	59.16540	0.00284	2.43000	1.74860	0.88410	0.00446
42.5139E00	12.3683	0.0	0.0	67.21340	0.00284	2.43000	2.19870	0.75970	0.00447
42.5876E00	12.3665	0.0	0.0	81.08770	0.00284	2.43000	3.10150	0.59250	0.00447
42.6615E00	12.3648	0.0	0.0	84.15100	0.00284	2.43000	3.21830	0.57610	0.00447
42.7356E00	12.3631	0.0	0.0	65.27820	0.00284	2.43000	2.88900	0.62480	0.00448
42.8099E00	12.3613	0.0	0.0	40.94680	0.00284	2.43000	1.93920	0.82670	0.00448
42.8844E00	12.3596	0.0	0.0	25.70470	0.00284	2.43000	0.97900	1.22790	0.00449
42.9591E00	12.3578	0.0	0.0	19.09720	0.00284	2.43000	0.57170	1.54610	0.00449
43.0339E00	12.3561	0.0	0.0	18.38700	0.00284	2.43000	0.49060	1.63020	0.00449
43.1090E00	12.3544	0.0	0.0	24.01580	0.00284	2.43000	0.69930	1.43000	0.00450
43.1843E00	12.3526	0.0	0.0	40.69060	0.00284	2.43000	1.25290	1.07860	0.00450
43.2597E00	12.3509	0.0	0.0	73.41050	0.00284	2.43000	2.06190	0.79360	0.00451
43.3354E00	12.3491	0.0	0.0	113.92900	0.00284	2.43000	2.73350	0.65090	0.00451
43.4113E00	12.3474	0.0	0.0	135.01300	0.00284	2.43000	2.83600	0.63350	0.00451
43.4873E00	12.3456	0.0	0.0	114.35400	0.00284	2.43000	2.67160	0.66180	0.00452
43.5636E00	12.3439	0.0	0.0	75.06420	0.00284	2.43000	2.03660	0.80020	0.00452
43.6400E00	12.3421	0.0	0.0	49.01490	0.00284	2.43000	1.32160	1.04670	0.00453
43.7167E00	12.3404	0.0	0.0	49.49280	0.00284	2.43000	1.21390	1.09760	0.00453

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
43.7936E00	12.3386	91.64870	12.98390	91.61183	47.72940	30.93540	0.0	0.0	78.66480
43.8706E00	12.3369	133.39800	13.81510	133.35900	78.63010	40.95270	0.0	0.0	119.58300
43.9479E00	12.3351	147.08700	14.25470	147.04700	94.85750	37.97520	0.0	0.0	132.83300
44.0254E00	12.3333	132.23200	13.86200	132.19200	79.84910	38.52050	0.0	0.0	118.37000
44.1031E00	12.3316	93.51970	13.02650	93.48270	48.07950	32.41370	0.0	0.0	80.49320
44.1810E00	12.3298	66.56800	12.40320	66.53277	23.79710	30.36770	0.0	0.0	54.16480
44.2590E00	12.3280	56.56770	12.22560	56.53298	14.83100	29.51110	0.0	0.0	44.34210
44.3373E00	12.3263	64.12920	12.53970	64.09359	19.88330	31.70620	0.0	0.0	51.58950
44.4159E00	12.3245	99.51540	13.58130	99.47683	41.82290	44.11120	0.0	0.0	85.93410
44.4946E00	12.3227	154.12700	15.44910	154.08300	81.97640	56.70100	0.0	0.0	138.67700
44.5735E00	12.3210	200.93600	17.24510	200.88700	120.73800	62.95220	0.0	0.0	183.69100
44.6526E00	12.3192	209.27600	17.42630	209.22600	124.74800	67.10150	0.0	0.0	191.84900
44.7320E00	12.3174	164.24600	15.79710	164.20100	89.89300	58.55540	0.0	0.0	148.44800
44.8115E00	12.3156	111.97200	13.82710	111.93200	48.40990	49.73450	0.0	0.0	98.14440
44.8913E00	12.3139	80.97910	12.64950	80.94318	26.06450	42.26510	0.0	0.0	68.32960
44.9713E00	12.3121	77.36330	12.25710	77.32849	24.20740	40.89880	0.0	0.0	65.10620
45.0515E00	12.3103	75.30480	12.22690	75.27008	32.05160	31.02630	0.0	0.0	63.07790
45.1319E00	12.3085	76.83800	12.22800	76.80327	36.17900	28.43100	0.0	0.0	64.61000
45.2125E00	12.3067	67.21920	12.12570	67.18476	29.71730	25.37620	0.0	0.0	55.09350
45.2934E00	12.3049	49.08840	11.97290	49.05440	18.17210	18.94340	0.0	0.0	37.11550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
43.7936E00	12.3386	0.0	0.0	78.66480	0.00284	2.43000	1.54290	0.95560	0.00453
43.8706E00	12.3369	0.0	0.0	119.58300	0.00284	2.43000	1.92000	0.83220	0.00454
43.9479E00	12.3351	0.0	0.0	132.83300	0.00284	2.43000	2.49790	0.69470	0.00454
44.0254E00	12.3333	0.0	0.0	118.37000	0.00284	2.43000	2.07290	0.79080	0.00455
44.1031E00	12.3316	0.0	0.0	80.49320	0.00284	2.43000	1.48330	0.97850	0.00455
44.1810E00	12.3298	0.0	0.0	54.16480	0.00284	2.43000	0.78360	1.36240	0.00455
44.2590E00	12.3280	0.0	0.0	44.34210	0.00284	2.43000	0.50260	1.61720	0.00456
44.3373E00	12.3263	0.0	0.0	51.58950	0.00284	2.43000	0.62710	1.49340	0.00456
44.4159E00	12.3245	0.0	0.0	85.93410	0.00284	2.43000	0.94810	1.24740	0.00457
44.4946E00	12.3227	0.0	0.0	138.67700	0.00284	2.43000	1.44580	0.99360	0.00457
44.5735E00	12.3210	0.0	0.0	183.69100	0.00284	2.43000	1.91790	0.83280	0.00457
44.6526E00	12.3192	0.0	0.0	191.84900	0.00284	2.43000	1.85910	0.84990	0.00458
44.7320E00	12.3174	0.0	0.0	148.44800	0.00284	2.43000	1.53520	0.95850	0.00458
44.8115E00	12.3156	0.0	0.0	98.14440	0.00284	2.43000	0.97340	1.23140	0.00459
44.8913E00	12.3139	0.0	0.0	68.32960	0.00284	2.43000	0.61670	1.50310	0.00459
44.9713E00	12.3121	0.0	0.0	65.10620	0.00284	2.43000	0.59190	1.52650	0.00459
45.0515E00	12.3103	0.0	0.0	63.07790	0.00284	2.43000	1.03300	1.19530	0.00460
45.1319E00	12.3085	0.0	0.0	64.61000	0.00284	2.43000	1.27250	1.06930	0.00460
45.2125E00	12.3067	0.0	0.0	55.09350	0.00284	2.43000	1.17110	1.11930	0.00461
45.2934E00	12.3049	0.0	0.0	37.11550	0.00284	2.43000	0.95930	1.24020	0.00461

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
45.3744E00	12.3031	39.59770	11.87470	39.56398	10.45320	17.26980	0.0	0.0	27.72300
45.4557E00	12.3014	39.00020	11.88660	38.96644	10.32950	16.78410	0.0	0.0	27.11360
45.5372E00	12.2996	48.29600	12.03250	48.26183	19.44850	16.81500	0.0	0.0	36.26350
45.6189E00	12.2978	66.38540	12.30210	66.35046	36.52680	17.55650	0.0	0.0	54.08330
45.7009E00	12.2960	81.87500	12.52250	81.83944	50.49370	18.85880	0.0	0.0	69.35250
45.7830E00	12.2942	81.61510	12.47530	81.57967	47.52980	21.61000	0.0	0.0	69.13980
45.8654E00	12.2924	57.53750	12.20530	57.50284	30.45270	14.87950	0.0	0.0	45.33220
45.9480E00	12.2906	41.04400	11.94930	41.01006	14.22860	14.86610	0.0	0.0	29.09470
46.0308E00	12.2888	27.13240	11.81940	27.09883	5.93780	9.37520	0.0	0.0	15.31300
46.1139E00	12.2870	24.03420	11.77730	24.00075	3.14450	9.11240	0.0	0.0	12.25690
46.1972E00	12.2852	20.91140	11.76850	20.87798	2.38830	6.75460	0.0	0.0	9.14290
46.2807E00	12.2834	23.59640	11.77190	23.56297	2.28460	9.53990	0.0	0.0	11.82450
46.3644E00	12.2816	23.43840	11.77920	23.40495	2.45980	9.19940	0.0	0.0	11.65920
46.4484E00	12.2798	26.60180	11.80960	26.56826	3.31800	11.47420	0.0	0.0	14.79220
46.5325E00	12.2779	38.00830	11.87970	37.97456	5.45130	20.67730	0.0	0.0	26.12860
46.6169E00	12.2761	56.77960	12.04350	56.74540	10.54720	34.18890	0.0	0.0	44.73610
46.7016E00	12.2743	86.69820	12.35080	86.66312	20.17890	54.16850	0.0	0.0	74.34740
46.7865E00	12.2725	109.92300	12.72190	109.88600	31.81970	65.38100	0.0	0.0	97.20070
46.8716E00	12.2707	120.17100	12.89810	120.13400	37.29300	69.97960	0.0	0.0	107.27300
46.9569E00	12.2689	108.55900	12.71880	108.52200	31.51160	64.32820	0.0	0.0	95.83980

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
45.3744E00	12.3031	0.0	0.0	27.72300	0.00284	2.43000	0.60530	1.51370	0.00461
45.4557E00	12.3014	0.0	0.0	27.11360	0.00284	2.43000	0.61540	1.50420	0.00462
45.5372E00	12.2996	0.0	0.0	36.26350	0.00284	2.43000	1.15660	1.12680	0.00462
45.6189E00	12.2978	0.0	0.0	54.08330	0.00284	2.43000	2.08050	0.78880	0.00463
45.7009E00	12.2960	0.0	0.0	69.35250	0.00284	2.43000	2.67750	0.66080	0.00463
45.7830E00	12.2942	0.0	0.0	69.13980	0.00284	2.43000	2.19940	0.75950	0.00464
45.8654E00	12.2924	0.0	0.0	45.33220	0.00284	2.43000	2.04660	0.79760	0.00464
45.9480E00	12.2906	0.0	0.0	29.09470	0.00284	2.43000	0.95710	1.24160	0.00464
46.0308E00	12.2888	0.0	0.0	15.31300	0.00284	2.43000	0.63330	1.48770	0.00465
46.1139E00	12.2870	0.0	0.0	12.25690	0.00284	2.43000	0.34510	1.80660	0.00465
46.1972E00	12.2852	0.0	0.0	9.14290	0.00284	2.43000	0.35360	1.79520	0.00466
46.2807E00	12.2834	0.0	0.0	11.82450	0.00284	2.43000	0.23950	1.96050	0.00466
46.3644E00	12.2816	0.0	0.0	11.65920	0.00284	2.43000	0.26740	1.91730	0.00467
46.4484E00	12.2798	0.0	0.0	14.79220	0.00284	2.43000	0.28920	1.88490	0.00467
46.5325E00	12.2779	0.0	0.0	26.12860	0.00284	2.43000	0.26360	1.92300	0.00467
46.6169E00	12.2761	0.0	0.0	44.73610	0.00284	2.43000	0.30850	1.85710	0.00468
46.7016E00	12.2743	0.0	0.0	74.34740	0.00284	2.43000	0.37250	1.77050	0.00468
46.7865E00	12.2725	0.0	0.0	97.20070	0.00284	2.43000	0.48670	1.63450	0.00469
46.8716E00	12.2707	0.0	0.0	107.27300	0.00284	2.43000	0.53290	1.58520	0.00469
46.9569E00	12.2689	0.0	0.0	95.83980	0.00284	2.43000	0.48990	1.63100	0.00469

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
47.0425E00	12.2670	86.31480	12.35330	86.27972	19.82480	54.13670	0.0	0.0	73.96150
47.1283E00	12.2652	58.84890	12.06140	58.81465	10.42920	36.35830	0.0	0.0	46.78750
47.2143E00	12.2634	45.82010	11.91720	45.78626	5.65050	28.25240	0.0	0.0	33.90290
47.3006E00	12.2616	33.04170	11.86780	33.00800	3.79710	17.37680	0.0	0.0	21.17390
47.3871E00	12.2597	27.10270	11.86200	27.06901	3.20380	12.03690	0.0	0.0	15.24070
47.4739E00	12.2579	27.68040	11.88110	27.64666	3.20160	12.59770	0.0	0.0	15.79930
47.5608E00	12.2561	28.32820	11.93030	28.29432	3.75220	12.64570	0.0	0.0	16.39790
47.6481E00	12.2543	30.87350	12.02510	30.83935	4.94670	13.90170	0.0	0.0	18.84840
47.7355E00	12.2524	41.20500	12.25550	41.17019	8.00030	20.94920	0.0	0.0	28.94950
47.8233E00	12.2506	69.11700	12.98780	69.08011	17.82210	38.30710	0.0	0.0	56.12920
47.9112E00	12.2487	110.73600	15.28950	110.69200	48.74570	46.70030	0.0	0.0	95.44600
47.9994E00	12.2469	192.15700	20.25510	192.10000	115.47200	56.43060	0.0	0.0	171.90200
48.0878E00	12.2451	275.02500	26.04280	274.95100	193.27400	55.70810	0.0	0.0	248.98200
48.1765E00	12.2432	297.25700	27.39150	297.17900	211.51600	58.34950	0.0	0.0	269.86500
48.2654E00	12.2414	231.49200	22.76500	231.42700	149.61500	59.11190	0.0	0.0	208.72700
48.3546E00	12.2395	144.58200	16.96440	144.53300	72.19530	55.42190	0.0	0.0	127.61700
48.4440E00	12.2377	86.99970	13.75210	86.96064	30.38520	42.86240	0.0	0.0	73.24760
48.5337E00	12.2358	69.89940	12.92120	69.86270	23.83150	33.14670	0.0	0.0	56.97820
48.6236E00	12.2340	88.14680	13.48770	88.10849	43.96530	30.69380	0.0	0.0	74.65910
48.7138E00	12.2321	143.79400	14.87730	143.75200	83.54090	45.37560	0.0	0.0	128.91700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
47.0425E00	12.2670	0.0	0.0	73.96150	0.00284	2.43000	0.36620	1.77870	0.00470
47.1283E00	12.2652	0.0	0.0	46.78750	0.00284	2.43000	0.28680	1.88830	0.00470
47.2143E00	12.2634	0.0	0.0	33.90290	0.00284	2.43000	0.20000	2.02500	0.00471
47.3006E00	12.2616	0.0	0.0	21.17390	0.00284	2.43000	0.21850	1.99420	0.00471
47.3871E00	12.2597	0.0	0.0	15.24070	0.00284	2.43000	0.26620	1.91920	0.00472
47.4739E00	12.2579	0.0	0.0	15.79930	0.00284	2.43000	0.25410	1.93760	0.00472
47.5608E00	12.2561	0.0	0.0	16.39790	0.00284	2.43000	0.29670	1.87400	0.00472
47.6481E00	12.2543	0.0	0.0	18.84840	0.00284	2.43000	0.35580	1.79230	0.00473
47.7355E00	12.2524	0.0	0.0	28.94950	0.00284	2.43000	0.38190	1.75850	0.00473
47.8233E00	12.2506	0.0	0.0	56.12920	0.00284	2.43000	0.46520	1.65840	0.00474
47.9112E00	12.2487	0.0	0.0	95.44600	0.00284	2.43000	1.04380	1.18900	0.00474
47.9994E00	12.2469	0.0	0.0	171.90200	0.00284	2.43000	2.04630	0.79770	0.00475
48.0878E00	12.2451	0.0	0.0	248.98200	0.00284	2.43000	3.46940	0.54370	0.00475
48.1765E00	12.2432	0.0	0.0	269.86500	0.00284	2.43000	3.62500	0.52540	0.00476
48.2654E00	12.2414	0.0	0.0	208.72700	0.00284	2.43000	2.53100	0.68820	0.00476
48.3546E00	12.2395	0.0	0.0	127.61700	0.00284	2.43000	1.30260	1.05530	0.00476
48.4440E00	12.2377	0.0	0.0	73.24760	0.00284	2.43000	0.70890	1.42200	0.00477
48.5337E00	12.2358	0.0	0.0	56.97820	0.00284	2.43000	0.71900	1.41360	0.00477
48.6236E00	12.2340	0.0	0.0	74.65910	0.00284	2.43000	1.43240	0.99900	0.00478
48.7138E00	12.2321	0.0	0.0	128.91700	0.00284	2.43000	1.84110	0.85530	0.00478

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
48.8042E00	12.2303	175.60600	15.87580	175.56100	111.59100	48.13910	0.0	0.0	159.73100
48.8949E00	12.2284	160.24300	15.30510	160.20000	96.61630	48.32190	0.0	0.0	144.93800
48.9858E00	12.2266	102.33800	13.79930	102.29900	56.04290	32.49610	0.0	0.0	88.53900
49.0770E00	12.2247	65.83800	12.80110	65.80164	29.23560	23.80130	0.0	0.0	53.03690
49.1684E00	12.2228	67.96230	12.92460	67.92559	33.11960	21.91810	0.0	0.0	55.03770
49.2601E00	12.2210	108.72600	14.15980	108.68500	67.52590	27.03980	0.0	0.0	94.56570
49.3521E00	12.2191	158.55700	15.70410	158.51200	110.43300	32.41950	0.0	0.0	142.85200
49.4443E00	12.2172	167.46600	15.93030	167.42000	116.88900	34.64610	0.0	0.0	151.53500
49.5367E00	12.2154	119.87000	14.52620	119.82900	78.33740	27.00680	0.0	0.0	105.34400
49.6294E00	12.2135	66.53130	12.98820	66.49441	36.46390	17.07920	0.0	0.0	53.54310
49.7224E00	12.2116	46.83950	12.30570	46.80455	20.06150	14.47230	0.0	0.0	34.53380
49.8157E00	12.2098	55.00940	12.43730	54.97408	30.82520	11.74690	0.0	0.0	42.57210
49.9092E00	12.2079	87.78090	13.05270	87.74383	60.72470	14.00350	0.0	0.0	74.72820
50.0030E00	12.2060	116.03500	13.53330	115.99600	83.50920	18.99230	0.0	0.0	102.50200
50.0970E00	12.2041	109.76600	13.28860	109.72800	72.20300	24.27410	0.0	0.0	96.47710
50.1913E00	12.2023	81.28050	12.63190	81.24463	41.50800	27.14060	0.0	0.0	68.64860
50.2859E00	12.2004	70.05450	12.22650	70.01978	22.26870	35.55930	0.0	0.0	57.82800
50.3807E00	12.1985	83.48270	12.16700	83.44815	19.01040	52.30530	0.0	0.0	71.31570
50.4758E00	12.1966	90.44590	12.19680	90.41126	19.84070	58.40840	0.0	0.0	78.24910
50.5712E00	12.1947	81.61250	12.14950	81.57800	17.01860	52.44440	0.0	0.0	69.46300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
48.8042E00	12.2303	0.0	0.0	159.73100	0.00284	2.43000	2.31810	0.73230	0.00479
48.8949E00	12.2284	0.0	0.0	144.93800	0.00284	2.43000	1.99940	0.81020	0.00479
48.9858E00	12.2266	0.0	0.0	88.53900	0.00284	2.43000	1.72460	0.89190	0.00480
49.0770E00	12.2247	0.0	0.0	53.03690	0.00284	2.43000	1.22830	1.09050	0.00480
49.1684E00	12.2228	0.0	0.0	55.03770	0.00284	2.43000	1.51110	0.96770	0.00480
49.2601E00	12.2210	0.0	0.0	94.56570	0.00284	2.43000	2.49730	0.69480	0.00481
49.3521E00	12.2191	0.0	0.0	142.85200	0.00284	2.43000	3.40640	0.55150	0.00481
49.4443E00	12.2172	0.0	0.0	151.53500	0.00284	2.43000	3.37380	0.55560	0.00482
49.5367E00	12.2154	0.0	0.0	105.34400	0.00284	2.43000	2.90070	0.62300	0.00482
49.6294E00	12.2135	0.0	0.0	53.54310	0.00284	2.43000	2.13500	0.77510	0.00483
49.7224E00	12.2116	0.0	0.0	34.53380	0.00284	2.43000	1.38620	1.01840	0.00483
49.8157E00	12.2098	0.0	0.0	42.57210	0.00284	2.43000	2.62410	0.67050	0.00484
49.9092E00	12.2079	0.0	0.0	74.72820	0.00284	2.43000	4.33640	0.45540	0.00484
50.0030E00	12.2060	0.0	0.0	102.50200	0.00284	2.43000	4.39700	0.45020	0.00484
50.0970E00	12.2041	0.0	0.0	96.47710	0.00284	2.43000	2.97450	0.61140	0.00485
50.1913E00	12.2023	0.0	0.0	68.64860	0.00284	2.43000	1.52940	0.96070	0.00485
50.2859E00	12.2004	0.0	0.0	57.82800	0.00284	2.43000	0.62620	1.49420	0.00486
50.3807E00	12.1985	0.0	0.0	71.31570	0.00284	2.43000	0.36350	1.78220	0.00486
50.4758E00	12.1966	0.0	0.0	78.24910	0.00284	2.43000	0.33970	1.81390	0.00487
50.5712E00	12.1947	0.0	0.0	69.46300	0.00284	2.43000	0.32450	1.83460	0.00487

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
50.6668E00	12.1928	66.81780	12.05900	66.78355	11.84120	42.91760	0.0	0.0	54.75880
50.7627E00	12.1909	56.97280	12.02370	56.93865	8.27860	36.67050	0.0	0.0	44.94910
50.8589E00	12.1890	62.79980	12.10520	62.76542	7.94370	42.75090	0.0	0.0	50.69460
50.9554E00	12.1871	83.21260	12.37390	83.17746	11.27970	59.55900	0.0	0.0	70.83870
51.0521E00	12.1852	119.37100	12.95690	119.33400	19.81300	86.60090	0.0	0.0	106.41400
51.1491E00	12.1834	174.89200	13.78780	174.85300	32.25590	128.84800	0.0	0.0	161.10400
51.2464E00	12.1815	204.74900	14.36000	204.70800	40.84620	149.54300	0.0	0.0	190.38900
51.3440E00	12.1795	196.99100	14.14530	196.95100	37.54470	145.30100	0.0	0.0	182.84600
51.4418E00	12.1776	145.27100	13.35580	145.23300	25.55600	106.35900	0.0	0.0	131.91500
51.5399E00	12.1757	101.13000	12.62370	101.09400	14.47240	74.03400	0.0	0.0	88.50640
51.6383E00	12.1738	78.00370	12.22310	77.96899	8.46070	57.31990	0.0	0.0	65.78060
51.7370E00	12.1719	68.38220	12.07110	68.34792	6.28920	50.02190	0.0	0.0	56.31110
51.8360E00	12.1700	69.07020	12.05260	69.03597	6.23370	50.78390	0.0	0.0	57.01760
51.9353E00	12.1681	77.41760	12.12790	77.38316	7.83550	57.45420	0.0	0.0	65.28970
52.0348E00	12.1662	102.32600	12.27060	102.29100	10.64700	79.40790	0.0	0.0	90.05490
52.1346E00	12.1643	118.28600	12.40930	118.25100	13.34800	92.52910	0.0	0.0	105.87700
52.2347E00	12.1623	127.59100	12.43690	127.55600	13.92540	101.22900	0.0	0.0	115.15400
52.3351E00	12.1604	114.99400	12.31890	114.95900	11.73030	90.94450	0.0	0.0	102.67500
52.4358E00	12.1585	87.99090	12.13520	87.95644	8.28730	67.56840	0.0	0.0	75.85570
52.5368E00	12.1566	64.51350	11.97970	64.47948	5.38020	47.15360	0.0	0.0	52.53380

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
50.6668E00	12.1928	0.0	0.0	54.75880	0.00284	2.43000	0.27590	1.90450	0.00488
50.7627E00	12.1909	0.0	0.0	44.94910	0.00284	2.43000	0.22580	1.98240	0.00488
50.8589E00	12.1890	0.0	0.0	50.69460	0.00284	2.43000	0.18580	2.04920	0.00489
50.9554E00	12.1871	0.0	0.0	70.83870	0.00284	2.43000	0.18940	2.04310	0.00489
51.0521E00	12.1852	0.0	0.0	106.41400	0.00284	2.43000	0.22880	1.97760	0.00490
51.1491E00	12.1834	0.0	0.0	161.10400	0.00284	2.43000	0.25030	1.94350	0.00490
51.2464E00	12.1815	0.0	0.0	190.38900	0.00284	2.43000	0.27310	1.90870	0.00490
51.3440E00	12.1795	0.0	0.0	182.84600	0.00284	2.43000	0.25840	1.93100	0.00491
51.4418E00	12.1776	0.0	0.0	131.91500	0.00284	2.43000	0.24030	1.95920	0.00491
51.5399E00	12.1757	0.0	0.0	88.50640	0.00284	2.43000	0.19550	2.03270	0.00492
51.6383E00	12.1738	0.0	0.0	65.78060	0.00284	2.43000	0.14760	2.11750	0.00492
51.7370E00	12.1719	0.0	0.0	56.31110	0.00284	2.43000	0.12570	2.15860	0.00493
51.8360E00	12.1700	0.0	0.0	57.01760	0.00284	2.43000	0.12280	2.16430	0.00493
51.9353E00	12.1681	0.0	0.0	65.28970	0.00284	2.43000	0.13640	2.13840	0.00494
52.0348E00	12.1662	0.0	0.0	90.05490	0.00284	2.43000	0.13410	2.14270	0.00494
52.1346E00	12.1643	0.0	0.0	105.87700	0.00284	2.43000	0.14430	2.12360	0.00495
52.2347E00	12.1623	0.0	0.0	115.15400	0.00284	2.43000	0.13760	2.13610	0.00495
52.3351E00	12.1604	0.0	0.0	102.67500	0.00284	2.43000	0.12900	2.15240	0.00496
52.4358E00	12.1585	0.0	0.0	75.85570	0.00284	2.43000	0.12270	2.16450	0.00496
52.5368E00	12.1566	0.0	0.0	52.53380	0.00284	2.43000	0.11410	2.18110	0.00497

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
52.6381E00	12.1547	50.48380	11.88130	50.45006	3.56420	35.03830	0.0	0.0	38.60250
52.7397E00	12.1527	39.70980	11.82570	39.67622	2.57640	25.30770	0.0	0.0	27.88410
52.8415E00	12.1508	33.69790	11.79920	33.66439	2.14970	19.74900	0.0	0.0	21.89870
52.9437E00	12.1489	30.44640	11.78280	30.41294	2.01210	16.65150	0.0	0.0	18.66360
53.0461E00	12.1469	30.66140	11.77740	30.62795	2.25820	16.62580	0.0	0.0	18.88400
53.1489E00	12.1450	32.30760	11.78580	32.27413	3.19610	17.32570	0.0	0.0	20.52180
53.2519E00	12.1431	41.62070	11.81380	41.58715	5.25290	24.55400	0.0	0.0	29.80690
53.3553E00	12.1411	51.25460	11.85410	51.22093	8.01010	31.39040	0.0	0.0	39.40050
53.4589E00	12.1392	58.60050	11.87430	58.56678	9.43730	37.28890	0.0	0.0	46.72620
53.5629E00	12.1372	51.55620	11.85100	51.52254	8.09020	31.61500	0.0	0.0	39.70520
53.6672E00	12.1353	41.77870	11.80660	41.74517	5.41500	24.55710	0.0	0.0	29.97210
53.7717E00	12.1333	34.70720	11.77500	34.67376	3.66840	19.26380	0.0	0.0	22.93220
53.8766E00	12.1314	32.30860	11.76520	32.27519	3.67710	16.86630	0.0	0.0	20.54340
53.9818E00	12.1294	35.63890	11.77220	35.60547	5.01740	18.84930	0.0	0.0	23.86670
54.0873E00	12.1275	37.21750	11.78270	37.18404	6.18650	19.24830	0.0	0.0	25.43480
54.1931E00	12.1255	35.66920	11.78740	35.63572	5.68740	18.19440	0.0	0.0	23.88180
54.2992E00	12.1236	31.74150	11.79180	31.70801	4.14930	15.80040	0.0	0.0	19.94970
54.4056E00	12.1216	29.11020	11.81010	29.07666	3.21390	14.08620	0.0	0.0	17.30010
54.5123E00	12.1197	31.00730	11.85930	30.97362	3.54370	15.60430	0.0	0.0	19.14800
54.6193E00	12.1177	36.87460	12.00330	36.84051	5.77240	19.09890	0.0	0.0	24.87130

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
52.6381E00	12.1547	0.0	0.0	38.60250	0.00284	2.43000	0.10170	2.20560	0.00497
52.7397E00	12.1527	0.0	0.0	27.88410	0.00284	2.43000	0.10180	2.20550	0.00498
52.8415E00	12.1508	0.0	0.0	21.89870	0.00284	2.43000	0.10890	2.19150	0.00498
52.9437E00	12.1489	0.0	0.0	18.66360	0.00284	2.43000	0.12080	2.16800	0.00498
53.0461E00	12.1469	0.0	0.0	18.88400	0.00284	2.43000	0.13580	2.13940	0.00499
53.1489E00	12.1450	0.0	0.0	20.52180	0.00284	2.43000	0.18450	2.05150	0.00499
53.2519E00	12.1431	0.0	0.0	29.80690	0.00284	2.43000	0.21390	2.00180	0.00500
53.3553E00	12.1411	0.0	0.0	39.40050	0.00284	2.43000	0.25520	1.93600	0.00500
53.4589E00	12.1392	0.0	0.0	46.72620	0.00284	2.43000	0.25310	1.93920	0.00501
53.5629E00	12.1372	0.0	0.0	39.70520	0.00284	2.43000	0.25590	1.93490	0.00501
53.6672E00	12.1353	0.0	0.0	29.97210	0.00284	2.43000	0.22050	1.99100	0.00502
53.7717E00	12.1333	0.0	0.0	22.93220	0.00284	2.43000	0.19040	2.04130	0.00502
53.8766E00	12.1314	0.0	0.0	20.54340	0.00284	2.43000	0.21800	1.99500	0.00503
53.9818E00	12.1294	0.0	0.0	23.86670	0.00284	2.43000	0.26620	1.91910	0.00503
54.0873E00	12.1275	0.0	0.0	25.43480	0.00284	2.43000	0.32140	1.83900	0.00504
54.1931E00	12.1255	0.0	0.0	23.88180	0.00284	2.43000	0.31260	1.85130	0.00504
54.2992E00	12.1236	0.0	0.0	19.94970	0.00284	2.43000	0.26260	1.92460	0.00505
54.4056E00	12.1216	0.0	0.0	17.30010	0.00284	2.43000	0.22820	1.97860	0.00505
54.5123E00	12.1197	0.0	0.0	19.14800	0.00284	2.43000	0.22710	1.98030	0.00506
54.6193E00	12.1177	0.0	0.0	24.87130	0.00284	2.43000	0.30220	1.86600	0.00506

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
54.7267E00	12.1157	54.18390	12.29710	54.14898	11.15990	30.72690	0.0	0.0	41.88680
54.8344E00	12.1138	131.45900	12.82830	131.42200	21.04680	97.58370	0.0	0.0	118.63100
54.9424E00	12.1118	136.32400	13.35580	136.28600	30.87910	92.08870	0.0	0.0	122.96800
55.0507E00	12.1098	161.23700	13.39150	161.19900	31.47080	116.37500	0.0	0.0	147.84600
55.1593E00	12.1079	139.24800	12.91190	139.21200	22.37740	103.95900	0.0	0.0	126.33600
55.2683E00	12.1059	89.80850	12.40890	89.77326	12.83100	64.56860	0.0	0.0	77.39960
55.3776E00	12.1039	57.66580	12.17320	57.63123	8.29230	37.20030	0.0	0.0	45.49260
55.4872E00	12.1019	60.71850	12.20300	60.68384	8.72750	39.78800	0.0	0.0	48.51550
55.5971E00	12.1000	85.99240	12.54430	85.95677	15.09780	58.35030	0.0	0.0	73.44810
55.7074E00	12.0980	132.04300	13.29470	132.00500	29.24230	89.50610	0.0	0.0	118.74800
55.8179E00	12.0960	174.78000	14.09210	174.73900	43.99840	116.68900	0.0	0.0	160.68700
55.9289E00	12.0940	183.68900	14.19620	183.64800	44.64460	124.84800	0.0	0.0	169.49300
56.0401E00	12.0920	160.88700	13.74070	160.84800	32.76030	114.38600	0.0	0.0	147.14600
56.1517E00	12.0900	148.45400	13.77720	148.41500	26.17500	108.50200	0.0	0.0	134.67700
56.2636E00	12.0880	167.64000	14.93350	167.59800	34.16090	118.54600	0.0	0.0	152.70700
56.3758E00	12.0861	238.41500	16.58330	238.36800	49.08490	172.74700	0.0	0.0	221.83200
56.4884E00	12.0841	278.16000	17.03190	278.11200	53.00720	208.12100	0.0	0.0	261.12800
56.6013E00	12.0821	228.23400	15.66060	228.18900	39.40110	173.17200	0.0	0.0	212.57300
56.7146E00	12.0801	129.96700	13.85130	129.92700	21.62350	94.49190	0.0	0.0	116.11500
56.8282E00	12.0781	68.76250	12.73550	68.72633	10.67550	45.35150	0.0	0.0	56.02700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
54.7267E00	12.1157	0.0	0.0	41.88680	0.00284	2.43000	0.36320	1.78260	0.00507
54.8344E00	12.1138	0.0	0.0	118.63100	0.00284	2.43000	0.21570	1.99890	0.00507
54.9424E00	12.1118	0.0	0.0	122.96800	0.00284	2.43000	0.33530	1.81980	0.00508
55.0507E00	12.1098	0.0	0.0	147.84600	0.00284	2.43000	0.27040	1.91270	0.00508
55.1593E00	12.1079	0.0	0.0	126.33600	0.00284	2.43000	0.21530	1.99960	0.00509
55.2683E00	12.1059	0.0	0.0	77.39960	0.00284	2.43000	0.19870	2.02720	0.00509
55.3776E00	12.1039	0.0	0.0	45.49260	0.00284	2.43000	0.22290	1.98710	0.00510
55.4872E00	12.1019	0.0	0.0	48.51550	0.00284	2.43000	0.21930	1.99290	0.00510
55.5971E00	12.1000	0.0	0.0	73.44810	0.00284	2.43000	0.25870	1.93050	0.00511
55.7074E00	12.0980	0.0	0.0	118.74800	0.00284	2.43000	0.32670	1.83160	0.00511
55.8179E00	12.0960	0.0	0.0	160.68700	0.00284	2.43000	0.37710	1.76460	0.00512
55.9289E00	12.0940	0.0	0.0	169.49300	0.00284	2.43000	0.35760	1.78990	0.00512
56.0401E00	12.0920	0.0	0.0	147.14600	0.00284	2.43000	0.28640	1.88900	0.00513
56.1517E00	12.0900	0.0	0.0	134.67700	0.00284	2.43000	0.24120	1.95770	0.00513
56.2636E00	12.0880	0.0	0.0	152.70700	0.00284	2.43000	0.28820	1.88640	0.00514
56.3758E00	12.0861	0.0	0.0	221.83200	0.00284	2.43000	0.28410	1.89230	0.00514
56.4884E00	12.0841	0.0	0.0	261.12800	0.00284	2.43000	0.25470	1.93670	0.00515
56.6013E00	12.0821	0.0	0.0	212.57300	0.00284	2.43000	0.22750	1.97960	0.00515
56.7146E00	12.0801	0.0	0.0	116.11500	0.00284	2.43000	0.22880	1.97750	0.00516
56.8282E00	12.0781	0.0	0.0	56.02700	0.00284	2.43000	0.23540	1.96700	0.00516

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
56.9421E00	12.0761	45.11270	12.25130	45.07791	5.93590	26.92550	0.0	0.0	32.86140
57.0564E00	12.0741	35.32000	12.04900	35.28578	3.98740	19.28360	0.0	0.0	23.27100
57.1711E00	12.0720	32.18630	11.95400	32.15235	3.13440	17.09790	0.0	0.0	20.23230
57.2860E00	12.0700	30.62290	11.90500	30.58909	2.79320	15.92470	0.0	0.0	18.71790
57.4013E00	12.0680	32.95930	11.89170	32.92553	2.96390	18.10370	0.0	0.0	21.06760
57.5170E00	12.0660	40.97980	11.91560	40.94596	3.83210	25.23210	0.0	0.0	29.06420
57.6330E00	12.0640	58.64260	12.00540	58.60850	6.11370	40.52350	0.0	0.0	46.63720
57.7494E00	12.0620	79.54330	12.19110	79.50868	10.52990	56.82230	0.0	0.0	67.35220
57.8661E00	12.0600	102.44200	12.40490	102.40600	15.55780	74.47900	0.0	0.0	90.03680
57.9832E00	12.0579	109.78600	12.45800	109.75000	16.92100	80.40660	0.0	0.0	97.32760
58.1006E00	12.0559	96.12330	12.29370	96.08839	13.36870	70.46090	0.0	0.0	83.82960
58.2184E00	12.0539	66.82200	12.09790	66.78764	9.25940	45.46470	0.0	0.0	54.72410
58.3366E00	12.0519	47.27550	12.06360	47.24124	9.48080	25.73110	0.0	0.0	35.21190
58.4551E00	12.0498	64.57810	12.29290	64.54319	17.22190	35.06330	0.0	0.0	52.28520
58.5740E00	12.0478	98.10570	12.68300	98.06968	29.64460	55.77810	0.0	0.0	85.42270
58.6932E00	12.0458	108.82000	12.78410	108.78400	32.94600	63.08980	0.0	0.0	96.03580
58.8128E00	12.0437	83.51390	12.43160	83.47859	22.07040	49.01190	0.0	0.0	71.08230
58.9328E00	12.0417	55.54110	12.04560	55.50689	10.10780	33.38770	0.0	0.0	43.49550
59.0531E00	12.0397	38.55600	11.87190	38.52228	4.70510	21.97900	0.0	0.0	26.68410
59.1738E00	12.0376	31.30970	11.83700	31.27608	3.54540	15.92730	0.0	0.0	19.47270

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
56.9421E00	12.0761	0.0	0.0	32.86140	0.00284	2.43000	0.22050	1.99110	0.00517
57.0564E00	12.0741	0.0	0.0	23.27100	0.00284	2.43000	0.20680	2.01360	0.00517
57.1711E00	12.0720	0.0	0.0	20.23230	0.00284	2.43000	0.18330	2.05350	0.00518
57.2860E00	12.0700	0.0	0.0	18.71790	0.00284	2.43000	0.17540	2.06740	0.00519
57.4013E00	12.0680	0.0	0.0	21.06760	0.00284	2.43000	0.16370	2.08810	0.00519
57.5170E00	12.0660	0.0	0.0	29.06420	0.00284	2.43000	0.15190	2.10960	0.00520
57.6330E00	12.0640	0.0	0.0	46.63720	0.00284	2.43000	0.15090	2.11140	0.00520
57.7494E00	12.0620	0.0	0.0	67.35220	0.00284	2.43000	0.18530	2.05010	0.00521
57.8661E00	12.0600	0.0	0.0	90.03680	0.00284	2.43000	0.20890	2.01010	0.00521
57.9832E00	12.0579	0.0	0.0	97.32760	0.00284	2.43000	0.21040	2.00750	0.00522
58.1006E00	12.0559	0.0	0.0	83.82960	0.00284	2.43000	0.18970	2.04250	0.00522
58.2184E00	12.0539	0.0	0.0	54.72410	0.00284	2.43000	0.20370	2.01880	0.00523
58.3366E00	12.0519	0.0	0.0	35.21190	0.00284	2.43000	0.36850	1.77570	0.00523
58.4551E00	12.0498	0.0	0.0	52.28520	0.00284	2.43000	0.49120	1.62960	0.00524
58.5740E00	12.0478	0.0	0.0	85.42270	0.00284	2.43000	0.53150	1.58670	0.00524
58.6932E00	12.0458	0.0	0.0	96.03580	0.00284	2.43000	0.52220	1.59640	0.00525
58.8128E00	12.0437	0.0	0.0	71.08230	0.00284	2.43000	0.45030	1.67550	0.00525
58.9328E00	12.0417	0.0	0.0	43.49550	0.00284	2.43000	0.30270	1.86530	0.00526
59.0531E00	12.0397	0.0	0.0	26.68410	0.00284	2.43000	0.21410	2.00150	0.00526
59.1738E00	12.0376	0.0	0.0	19.47270	0.00284	2.43000	0.22260	1.98760	0.00527

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
59.2949E00	12.0356	31.78310	11.88470	31.74935	4.96390	14.93450	0.0	0.0	19.89840
59.4163E00	12.0335	41.48450	12.24730	41.44972	14.59050	14.64670	0.0	0.0	29.23720
59.5381E00	12.0315	78.05110	13.46720	78.01285	47.10610	17.47780	0.0	0.0	64.58390
59.6603E00	12.0294	132.92600	15.26590	132.88200	94.97840	22.68120	0.0	0.0	117.66000
59.7829E00	12.0274	147.54700	15.67000	147.50200	105.04900	26.82770	0.0	0.0	131.87700
59.9058E00	12.0253	127.96000	14.86330	127.91800	80.89340	32.20330	0.0	0.0	113.09700
60.0292E00	12.0233	83.65304	13.39940	83.61498	28.68344	41.57020	0.0	0.0	70.25364
60.1529E00	12.0212	102.28100	13.39900	102.24300	36.28896	52.59270	0.0	0.0	88.88166
60.2770E00	12.0191	78.92784	13.39860	78.88979	26.75454	38.77470	0.0	0.0	65.52924
60.4014E00	12.0171	71.29263	13.39830	71.25458	23.63733	34.25700	0.0	0.0	57.89433
60.5263E00	12.0150	56.89123	13.39790	56.85318	17.75763	25.73570	0.0	0.0	43.49333
60.6516E00	12.0129	61.34212	13.39750	61.30408	19.57502	28.36960	0.0	0.0	47.94462
60.7772E00	12.0109	67.20586	13.39710	67.16781	21.96926	31.83950	0.0	0.0	53.80876
60.9032E00	12.0088	72.02662	13.39680	71.98857	23.93762	34.69220	0.0	0.0	58.62982
61.0296E00	12.0067	71.71239	13.39640	71.67434	23.80949	34.50650	0.0	0.0	58.31599
61.1565E00	12.0047	59.58421	13.39600	59.54616	18.85791	27.33030	0.0	0.0	46.18821
61.2837E00	12.0026	53.88834	13.39560	53.85029	16.53254	23.96020	0.0	0.0	40.49274
61.4113E00	12.0005	46.08886	13.39530	46.05081	13.34826	19.34530	0.0	0.0	32.69356
61.5393E00	11.9984	43.14177	13.39490	43.10373	12.14517	17.60170	0.0	0.0	29.74687
61.6677E00	11.9963	42.05369	13.39450	42.01565	11.70109	16.95810	0.0	0.0	28.65919

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
59.2949E00	12.0356	0.0	0.0	19.89840	0.00284	2.43000	0.33240	1.82380	0.00528
59.4163E00	12.0335	0.0	0.0	29.23720	0.00284	2.43000	0.99620	1.21730	0.00528
59.5381E00	12.0315	0.0	0.0	64.58390	0.00284	2.43000	2.69520	0.65760	0.00529
59.6603E00	12.0294	0.0	0.0	117.66000	0.00284	2.43000	4.18750	0.46840	0.00529
59.7829E00	12.0274	0.0	0.0	131.87700	0.00284	2.43000	3.91570	0.49430	0.00530
59.9058E00	12.0253	0.0	0.0	113.09700	0.00284	2.43000	2.51200	0.69190	0.00530
60.0292E00	12.0233	0.0	0.0	70.25364	0.00284	2.43000	0.69000	1.43787	0.00531
60.1529E00	12.0212	0.0	0.0	88.88166	0.00284	2.43000	0.69000	1.43787	0.00531
60.2770E00	12.0191	0.0	0.0	65.52924	0.00284	2.43000	0.69000	1.43787	0.00532
60.4014E00	12.0171	0.0	0.0	57.89433	0.00284	2.43000	0.69000	1.43787	0.00532
60.5263E00	12.0150	0.0	0.0	43.49333	0.00284	2.43000	0.69000	1.43787	0.00533
60.6516E00	12.0129	0.0	0.0	47.94462	0.00284	2.43000	0.69000	1.43787	0.00534
60.7772E00	12.0109	0.0	0.0	53.80876	0.00284	2.43000	0.69000	1.43787	0.00534
60.9032E00	12.0088	0.0	0.0	58.62982	0.00284	2.43000	0.69000	1.43787	0.00535
61.0296E00	12.0067	0.0	0.0	58.31599	0.00284	2.43000	0.69000	1.43787	0.00535
61.1565E00	12.0047	0.0	0.0	46.18821	0.00284	2.43000	0.69000	1.43787	0.00536
61.2837E00	12.0026	0.0	0.0	40.49274	0.00284	2.43000	0.69000	1.43787	0.00536
61.4113E00	12.0005	0.0	0.0	32.69356	0.00284	2.43000	0.69000	1.43787	0.00537
61.5393E00	11.9984	0.0	0.0	29.74687	0.00284	2.43000	0.69000	1.43787	0.00537
61.6677E00	11.9963	0.0	0.0	28.65919	0.00284	2.43000	0.69000	1.43787	0.00538

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
61.7965E00	11.9942	42.85976	13.39410	42.82172	12.03036	17.43530	0.0	0.0	29.46566
61.9257E00	11.9922	40.89365	13.39380	40.85561	11.22775	16.27210	0.0	0.0	27.49985
62.0553E00	11.9901	39.32848	13.39340	39.29044	10.58888	15.34620	0.0	0.0	25.93508
62.1854E00	11.9880	40.96822	13.39300	40.93019	11.25852	16.31670	0.0	0.0	27.57522
62.3158E00	11.9859	39.20691	13.39250	39.16888	10.53961	15.27480	0.0	0.0	25.81441
62.4466E00	11.9838	38.22783	13.39210	38.18980	10.14003	14.69570	0.0	0.0	24.83573
62.5779E00	11.9817	35.57582	13.39170	35.53779	9.05742	13.12670	0.0	0.0	22.18412
62.7096E00	11.9796	34.90754	13.39130	34.86950	8.78474	12.73150	0.0	0.0	21.51624
62.8417E00	11.9775	36.67528	13.39080	36.63725	9.50668	13.77780	0.0	0.0	23.28448
62.9742E00	11.9754	37.21670	13.39040	37.17867	9.72790	14.09840	0.0	0.0	23.82630
63.1071E00	11.9733	42.19909	13.39000	42.16106	11.76229	17.04680	0.0	0.0	28.80909
63.2404E00	11.9712	50.47776	13.38970	50.43974	15.14246	21.94560	0.0	0.0	37.08806
63.3742E00	11.9690	53.99189	13.38930	53.95386	16.57739	24.02520	0.0	0.0	40.60259
63.5084E00	11.9669	61.15482	13.38900	61.11680	19.50202	28.26380	0.0	0.0	47.76582
63.6430E00	11.9648	61.35384	13.38860	61.31582	19.58344	28.38180	0.0	0.0	47.96524
63.7781E00	11.9627	59.79797	13.38820	59.75994	18.94837	27.46140	0.0	0.0	46.40977
63.9136E00	11.9606	52.86765	13.38790	52.82963	16.11895	23.36080	0.0	0.0	39.47975
64.0495E00	11.9584	54.40279	13.38750	54.36477	16.74589	24.26940	0.0	0.0	41.01529
64.1858E00	11.9563	49.95431	13.38710	49.91629	14.92981	21.63740	0.0	0.0	36.56721
64.3226E00	11.9542	48.14483	13.38660	48.10681	14.19123	20.56700	0.0	0.0	34.75823

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
61.7965E00	11.9942	0.0	0.0	29.46566	0.00284	2.43000	0.69000	1.43787	0.00539
61.9257E00	11.9922	0.0	0.0	27.49985	0.00284	2.43000	0.69000	1.43787	0.00539
62.0553E00	11.9901	0.0	0.0	25.93508	0.00284	2.43000	0.69000	1.43787	0.00540
62.1854E00	11.9880	0.0	0.0	27.57522	0.00284	2.43000	0.69000	1.43787	0.00540
62.3158E00	11.9859	0.0	0.0	25.81441	0.00284	2.43000	0.69000	1.43787	0.00541
62.4466E00	11.9838	0.0	0.0	24.83573	0.00284	2.43000	0.69000	1.43787	0.00541
62.5779E00	11.9817	0.0	0.0	22.18412	0.00284	2.43000	0.69000	1.43787	0.00542
62.7096E00	11.9796	0.0	0.0	21.51624	0.00284	2.43000	0.69000	1.43787	0.00543
62.8417E00	11.9775	0.0	0.0	23.28448	0.00284	2.43000	0.69000	1.43787	0.00543
62.9742E00	11.9754	0.0	0.0	23.82630	0.00284	2.43000	0.69000	1.43787	0.00544
63.1071E00	11.9733	0.0	0.0	28.80909	0.00284	2.43000	0.69000	1.43787	0.00544
63.2404E00	11.9712	0.0	0.0	37.08806	0.00284	2.43000	0.69000	1.43787	0.00545
63.3742E00	11.9690	0.0	0.0	40.60259	0.00284	2.43000	0.69000	1.43787	0.00545
63.5084E00	11.9669	0.0	0.0	47.76582	0.00284	2.43000	0.69000	1.43787	0.00546
63.6430E00	11.9648	0.0	0.0	47.96524	0.00284	2.43000	0.69000	1.43787	0.00547
63.7781E00	11.9627	0.0	0.0	46.40977	0.00284	2.43000	0.69000	1.43787	0.00547
63.9136E00	11.9606	0.0	0.0	39.47975	0.00284	2.43000	0.69000	1.43787	0.00548
64.0495E00	11.9584	0.0	0.0	41.01529	0.00284	2.43000	0.69000	1.43787	0.00548
64.1858E00	11.9563	0.0	0.0	36.56721	0.00284	2.43000	0.69000	1.43787	0.00549
64.3226E00	11.9542	0.0	0.0	34.75823	0.00284	2.43000	0.69000	1.43787	0.00549

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
64.4598E00	11.9521	38.17613	13.38620	38.13812	10.12133	14.66860	0.0	0.0	24.78993
64.5975E00	11.9499	31.16426	13.38580	31.12625	7.25866	10.51980	0.0	0.0	17.77846
64.7356E00	11.9478	27.02793	13.38540	26.98991	5.57003	8.07250	0.0	0.0	13.64253
64.8741E00	11.9456	27.07576	13.38490	27.03775	5.58976	8.10110	0.0	0.0	13.69086
65.0131E00	11.9435	27.93050	13.38450	27.89249	5.93890	8.60710	0.0	0.0	14.54600
65.1526E00	11.9414	23.07186	13.38410	23.03385	3.95536	5.73240	0.0	0.0	9.68776
65.2925E00	11.9392	25.79033	13.38370	25.75232	5.06543	7.34120	0.0	0.0	12.40663
65.4328E00	11.9371	26.83374	13.38320	26.79573	5.49164	7.95890	0.0	0.0	13.45054
65.5736E00	11.9349	29.16892	13.38280	29.13091	6.44522	9.34090	0.0	0.0	15.78612
65.7148E00	11.9328	35.88526	13.38240	35.84725	9.18756	13.31530	0.0	0.0	22.50286
65.8565E00	11.9306	37.33082	13.38200	37.29282	9.77792	14.17090	0.0	0.0	23.94882
65.9987E00	11.9285	33.23765	13.38150	33.19964	8.10695	11.74920	0.0	0.0	19.85615
66.1413E00	11.9263	31.57834	13.38110	31.54034	7.42964	10.76760	0.0	0.0	18.19724
66.2844E00	11.9241	35.10582	13.38070	35.06782	8.87002	12.85510	0.0	0.0	21.72512
66.4280E00	11.9220	36.42970	13.38030	36.39170	9.41070	13.63870	0.0	0.0	23.04940
66.5720E00	11.9198	29.74721	13.37990	29.70921	6.68251	9.68480	0.0	0.0	16.36731
66.7165E00	11.9176	26.19298	13.37940	26.15498	5.23158	7.58200	0.0	0.0	12.81358
66.8614E00	11.9155	22.88829	13.37900	22.85030	3.88249	5.62680	0.0	0.0	9.50929
67.0069E00	11.9133	22.69811	13.37860	22.66011	3.80501	5.51450	0.0	0.0	9.31951
67.1528E00	11.9111	22.38225	13.37810	22.34426	3.67625	5.32790	0.0	0.0	9.00415

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
64.4598E00	11.9521	0.0	0.0	24.78993	0.00284	2.43000	0.69000	1.43787	0.00550
64.5975E00	11.9499	0.0	0.0	17.77846	0.00284	2.43000	0.69000	1.43787	0.00551
64.7356E00	11.9478	0.0	0.0	13.64253	0.00284	2.43000	0.69000	1.43787	0.00551
64.8741E00	11.9456	0.0	0.0	13.69086	0.00284	2.43000	0.69000	1.43787	0.00552
65.0131E00	11.9435	0.0	0.0	14.54600	0.00284	2.43000	0.69000	1.43787	0.00552
65.1526E00	11.9414	0.0	0.0	9.68776	0.00284	2.43000	0.69000	1.43787	0.00553
65.2925E00	11.9392	0.0	0.0	12.40663	0.00284	2.43000	0.69000	1.43787	0.00554
65.4328E00	11.9371	0.0	0.0	13.45054	0.00284	2.43000	0.69000	1.43787	0.00554
65.5736E00	11.9349	0.0	0.0	15.78612	0.00284	2.43000	0.69000	1.43787	0.00555
65.7148E00	11.9328	0.0	0.0	22.50286	0.00284	2.43000	0.69000	1.43787	0.00555
65.8565E00	11.9306	0.0	0.0	23.94882	0.00284	2.43000	0.69000	1.43787	0.00556
65.9987E00	11.9285	0.0	0.0	19.85615	0.00284	2.43000	0.69000	1.43787	0.00557
66.1413E00	11.9263	0.0	0.0	18.19724	0.00284	2.43000	0.69000	1.43787	0.00557
66.2844E00	11.9241	0.0	0.0	21.72512	0.00284	2.43000	0.69000	1.43787	0.00558
66.4280E00	11.9220	0.0	0.0	23.04940	0.00284	2.43000	0.69000	1.43787	0.00558
66.5720E00	11.9198	0.0	0.0	16.36731	0.00284	2.43000	0.69000	1.43787	0.00559
66.7165E00	11.9176	0.0	0.0	12.81358	0.00284	2.43000	0.69000	1.43787	0.00560
66.8614E00	11.9155	0.0	0.0	9.50929	0.00284	2.43000	0.69000	1.43787	0.00560
67.0069E00	11.9133	0.0	0.0	9.31951	0.00284	2.43000	0.69000	1.43787	0.00561
67.1528E00	11.9111	0.0	0.0	9.00415	0.00284	2.43000	0.69000	1.43787	0.00561

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
67.2991E00	11.9089	24.64831	13.37770	24.61032	4.60161	6.66900	0.0	0.0	11.27061
67.4460E00	11.9068	23.20337	13.37720	23.16538	4.01187	5.81430	0.0	0.0	9.82617
67.5933E00	11.9046	20.46855	13.37680	20.43056	2.89545	4.19630	0.0	0.0	7.09175
67.7412E00	11.9024	21.21597	13.37640	21.17798	3.20077	4.63880	0.0	0.0	7.83957
67.8895E00	11.9002	21.02856	13.37590	20.99057	3.12446	4.52820	0.0	0.0	7.65266
68.0383E00	11.8980	21.37620	13.37540	21.33821	3.26660	4.73420	0.0	0.0	8.00080
68.1876E00	11.8958	21.73340	13.37500	21.69542	3.41260	4.94580	0.0	0.0	8.35840
68.3373E00	11.8936	25.35440	13.37450	25.31642	4.89120	7.08870	0.0	0.0	11.97990
68.4876E00	11.8914	25.52875	13.37410	25.49077	4.96255	7.19210	0.0	0.0	12.15465
68.6384E00	11.8892	26.16369	13.37360	26.12571	5.22199	7.56810	0.0	0.0	12.79009
68.7897E00	11.8870	23.15593	13.37320	23.11795	3.99413	5.78860	0.0	0.0	9.78273
68.9414E00	11.8848	28.68495	13.37270	28.64697	6.25175	9.06050	0.0	0.0	15.31225
69.0937E00	11.8826	40.14680	13.37230	40.10882	10.93160	15.84290	0.0	0.0	26.77450
69.2465E00	11.8804	54.00194	13.37180	53.96396	16.58864	24.04150	0.0	0.0	40.63014
69.3998E00	11.8782	56.02379	13.37140	55.98581	17.41429	25.23810	0.0	0.0	42.65239
69.5536E00	11.8760	46.23718	13.37090	46.19920	13.41878	19.44750	0.0	0.0	32.86628
69.7079E00	11.8738	39.62195	13.37050	39.58397	10.71805	15.53340	0.0	0.0	26.25145
69.8627E00	11.8716	40.00677	13.37000	39.96880	10.87537	15.76140	0.0	0.0	26.63677
70.0180E00	11.8693	56.12194	13.36950	56.08397	17.45514	25.29730	0.0	0.0	42.75244
70.1739E00	11.8671	93.19287	13.36910	93.15490	32.59077	47.23300	0.0	0.0	79.82377

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
67.2991E00	11.9089	0.0	0.0	11.27061	0.00284	2.43000	0.69000	1.43787	0.00562
67.4460E00	11.9068	0.0	0.0	9.82617	0.00284	2.43000	0.69000	1.43787	0.00563
67.5933E00	11.9046	0.0	0.0	7.09175	0.00284	2.43000	0.69000	1.43787	0.00563
67.7412E00	11.9024	0.0	0.0	7.83957	0.00284	2.43000	0.69000	1.43787	0.00564
67.8895E00	11.9002	0.0	0.0	7.65266	0.00284	2.43000	0.69000	1.43787	0.00564
68.0383E00	11.8980	0.0	0.0	8.00080	0.00284	2.43000	0.69000	1.43787	0.00565
68.1876E00	11.8958	0.0	0.0	8.35840	0.00284	2.43000	0.69000	1.43787	0.00566
68.3373E00	11.8936	0.0	0.0	11.97990	0.00284	2.43000	0.69000	1.43787	0.00566
68.4876E00	11.8914	0.0	0.0	12.15465	0.00284	2.43000	0.69000	1.43787	0.00567
68.6384E00	11.8892	0.0	0.0	12.79009	0.00284	2.43000	0.69000	1.43787	0.00568
68.7897E00	11.8870	0.0	0.0	9.78273	0.00284	2.43000	0.69000	1.43787	0.00568
68.9414E00	11.8848	0.0	0.0	15.31225	0.00284	2.43000	0.69000	1.43787	0.00569
69.0937E00	11.8826	0.0	0.0	26.77450	0.00284	2.43000	0.69000	1.43787	0.00569
69.2465E00	11.8804	0.0	0.0	40.63014	0.00284	2.43000	0.69000	1.43787	0.00570
69.3998E00	11.8782	0.0	0.0	42.65239	0.00284	2.43000	0.69000	1.43787	0.00571
69.5536E00	11.8760	0.0	0.0	32.86628	0.00284	2.43000	0.69000	1.43787	0.00571
69.7079E00	11.8738	0.0	0.0	26.25145	0.00284	2.43000	0.69000	1.43787	0.00572
69.8627E00	11.8716	0.0	0.0	26.63677	0.00284	2.43000	0.69000	1.43787	0.00573
70.0180E00	11.8693	0.0	0.0	42.75244	0.00284	2.43000	0.69000	1.43787	0.00573
70.1739E00	11.8671	0.0	0.0	79.82377	0.00284	2.43000	0.69000	1.43787	0.00574

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
70.3303E00	11.8649	153.28500	13.36860	153.24700	57.12565	82.79080	0.0	0.0	139.91600
70.4872E00	11.8627	184.49900	13.36810	184.46100	69.87009	101.26100	0.0	0.0	171.13100
70.6446E00	11.8604	181.49800	13.36770	181.46000	68.64506	99.48560	0.0	0.0	168.13100
70.8025E00	11.8582	152.57900	13.36720	152.54100	56.83806	82.37400	0.0	0.0	139.21200
70.9610E00	11.8560	101.20700	13.36670	101.16900	35.86365	51.97630	0.0	0.0	87.83995
71.1200E00	11.8537	56.59572	13.36620	56.55776	17.64992	25.57960	0.0	0.0	43.22952
71.2796E00	11.8515	39.96055	13.36570	39.92260	10.85825	15.73660	0.0	0.0	26.59485
71.4397E00	11.8492	39.28652	13.36530	39.24856	10.58322	15.33800	0.0	0.0	25.92122
71.6003E00	11.8470	40.83085	13.36480	40.79289	11.21395	16.25210	0.0	0.0	27.46605
71.7615E00	11.8447	33.95864	13.36430	33.92069	8.40834	12.18600	0.0	0.0	20.59434
71.9232E00	11.8425	34.68028	13.36380	34.64232	8.70318	12.61330	0.0	0.0	21.31648
72.0855E00	11.8402	58.08594	13.36330	58.04799	18.25954	26.46310	0.0	0.0	44.72264
72.2483E00	11.8380	117.12600	13.36280	117.08800	42.36490	61.39840	0.0	0.0	103.76300
72.4116E00	11.8357	158.75500	13.36240	158.71700	59.36132	86.03090	0.0	0.0	145.39200
72.5756E00	11.8335	119.30700	13.36190	119.26900	43.25576	62.68950	0.0	0.0	105.94500
72.7400E00	11.8312	67.99403	13.36140	67.95608	22.30563	32.32700	0.0	0.0	54.63263
72.9051E00	11.8289	44.80386	13.36090	44.76591	12.83766	18.60530	0.0	0.0	31.44296
73.0707E00	11.8267	39.05892	13.36040	39.02098	12.10142	13.59710	0.0	0.0	25.69852
73.2368E00	11.8244	32.82331	13.35990	32.78537	9.16531	10.29810	0.0	0.0	19.46341
73.4036E00	11.8221	26.62626	13.35940	26.58831	6.24736	7.01950	0.0	0.0	13.26686

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
70.3303E00	11.8649	0.0	0.0	139.91600	0.00284	2.43000	0.69000	1.43787	0.00575
70.4872E00	11.8627	0.0	0.0	171.13100	0.00284	2.43000	0.69000	1.43787	0.00575
70.6446E00	11.8604	0.0	0.0	168.13100	0.00284	2.43000	0.69000	1.43787	0.00576
70.8025E00	11.8582	0.0	0.0	139.21200	0.00284	2.43000	0.69000	1.43787	0.00576
70.9610E00	11.8560	0.0	0.0	87.83995	0.00284	2.43000	0.69000	1.43787	0.00577
71.1200E00	11.8537	0.0	0.0	43.22952	0.00284	2.43000	0.69000	1.43787	0.00578
71.2796E00	11.8515	0.0	0.0	26.59485	0.00284	2.43000	0.69000	1.43787	0.00578
71.4397E00	11.8492	0.0	0.0	25.92122	0.00284	2.43000	0.69000	1.43787	0.00579
71.6003E00	11.8470	0.0	0.0	27.46605	0.00284	2.43000	0.69000	1.43787	0.00580
71.7615E00	11.8447	0.0	0.0	20.59434	0.00284	2.43000	0.69000	1.43787	0.00580
71.9232E00	11.8425	0.0	0.0	21.31648	0.00284	2.43000	0.69000	1.43787	0.00581
72.0855E00	11.8402	0.0	0.0	44.72264	0.00284	2.43000	0.69000	1.43787	0.00582
72.2483E00	11.8380	0.0	0.0	103.76300	0.00284	2.43000	0.69000	1.43787	0.00582
72.4116E00	11.8357	0.0	0.0	145.39200	0.00284	2.43000	0.69000	1.43787	0.00583
72.5756E00	11.8335	0.0	0.0	105.94500	0.00284	2.43000	0.69000	1.43787	0.00584
72.7400E00	11.8312	0.0	0.0	54.63263	0.00284	2.43000	0.69000	1.43787	0.00584
72.9051E00	11.8289	0.0	0.0	31.44296	0.00284	2.43000	0.69000	1.43787	0.00585
73.0707E00	11.8267	0.0	0.0	25.69852	0.00284	2.43000	0.89000	1.28571	0.00586
73.2368E00	11.8244	0.0	0.0	19.46341	0.00284	2.43000	0.89000	1.28571	0.00586
73.4036E00	11.8221	0.0	0.0	13.26686	0.00284	2.43000	0.89000	1.28571	0.00587

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
73.5709E00	11.8198	26.41899	13.35890	26.38105	6.14999	6.91010	0.0	0.0	13.06009
73.7387E00	11.8176	26.66098	13.35840	26.62304	6.26418	7.03840	0.0	0.0	13.30258
73.9072E00	11.8153	28.54707	13.35790	28.50914	7.15257	8.03660	0.0	0.0	15.18917
74.0762E00	11.8130	32.02512	13.35740	31.98718	8.79062	9.87710	0.0	0.0	18.66772
74.2458E00	11.8107	57.49766	13.35690	57.45973	20.78586	23.35490	0.0	0.0	44.14076
74.4160E00	11.8084	119.20900	13.35640	119.17100	49.84596	56.00670	0.0	0.0	105.85300
74.5868E00	11.8061	155.96900	13.35590	155.93100	67.15629	75.45650	0.0	0.0	142.61300
74.7582E00	11.8038	125.77900	13.35540	125.74100	52.94023	59.48340	0.0	0.0	112.42400
74.9301E00	11.8015	88.22583	13.35480	88.18790	35.25673	39.61430	0.0	0.0	74.87103
75.1027E00	11.7992	80.63698	13.35430	80.59905	31.68338	35.59930	0.0	0.0	67.28268
75.2758E00	11.7969	93.64894	13.35380	93.61101	37.81094	42.48420	0.0	0.0	80.29514
75.4496E00	11.7946	104.94900	13.35330	104.91100	43.13225	48.46320	0.0	0.0	91.59545
75.6239E00	11.7923	96.48823	13.35280	96.45031	39.14843	43.98700	0.0	0.0	83.13543
75.7989E00	11.7900	71.16003	13.35230	71.12211	27.22163	30.58610	0.0	0.0	57.80773
75.9744E00	11.7877	40.49730	13.35180	40.45938	12.78280	14.36270	0.0	0.0	27.14550
76.1506E00	11.7854	25.81131	13.35130	25.77340	5.86741	6.59260	0.0	0.0	12.46001
76.3274E00	11.7831	26.42591	13.35070	26.38799	6.15711	6.91810	0.0	0.0	13.07521
76.5048E00	11.7807	27.71533	13.35020	27.67742	6.76453	7.60060	0.0	0.0	14.36513
76.6828E00	11.7784	29.81973	13.34970	29.78181	7.75573	8.71430	0.0	0.0	16.47003
76.8614E00	11.7761	27.70460	13.34910	27.66668	6.76000	7.59550	0.0	0.0	14.35550

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
73.5709E00	11.8198	0.0	0.0	13.06009	0.00284	2.43000	0.89000	1.28571	0.00588
73.7387E00	11.8176	0.0	0.0	13.30258	0.00284	2.43000	0.89000	1.28571	0.00588
73.9072E00	11.8153	0.0	0.0	15.18917	0.00284	2.43000	0.89000	1.28571	0.00589
74.0762E00	11.8130	0.0	0.0	18.66772	0.00284	2.43000	0.89000	1.28571	0.00590
74.2458E00	11.8107	0.0	0.0	44.14076	0.00284	2.43000	0.89000	1.28571	0.00590
74.4160E00	11.8084	0.0	0.0	105.85300	0.00284	2.43000	0.89000	1.28571	0.00591
74.5868E00	11.8061	0.0	0.0	142.61300	0.00284	2.43000	0.89000	1.28571	0.00592
74.7582E00	11.8038	0.0	0.0	112.42400	0.00284	2.43000	0.89000	1.28571	0.00592
74.9301E00	11.8015	0.0	0.0	74.87103	0.00284	2.43000	0.89000	1.28571	0.00593
75.1027E00	11.7992	0.0	0.0	67.28268	0.00284	2.43000	0.89000	1.28571	0.00594
75.2758E00	11.7969	0.0	0.0	80.29514	0.00284	2.43000	0.89000	1.28571	0.00594
75.4496E00	11.7946	0.0	0.0	91.59545	0.00284	2.43000	0.89000	1.28571	0.00595
75.6239E00	11.7923	0.0	0.0	83.13543	0.00284	2.43000	0.89000	1.28571	0.00596
75.7989E00	11.7900	0.0	0.0	57.80773	0.00284	2.43000	0.89000	1.28571	0.00596
75.9744E00	11.7877	0.0	0.0	27.14550	0.00284	2.43000	0.89000	1.28571	0.00597
76.1506E00	11.7854	0.0	0.0	12.46001	0.00284	2.43000	0.89000	1.28571	0.00598
76.3274E00	11.7831	0.0	0.0	13.07521	0.00284	2.43000	0.89000	1.28571	0.00599
76.5048E00	11.7807	0.0	0.0	14.36513	0.00284	2.43000	0.89000	1.28571	0.00599
76.6828E00	11.7784	0.0	0.0	16.47003	0.00284	2.43000	0.89000	1.28571	0.00600
76.8614E00	11.7761	0.0	0.0	14.35550	0.00284	2.43000	0.89000	1.28571	0.00601

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
77.0407E00	11.7738	31.28980	13.34860	31.25189	8.44850	9.49270	0.0	0.0	17.94120
77.2206E00	11.7714	37.46696	13.34810	37.42905	11.35756	12.76130	0.0	0.0	24.11886
77.4011E00	11.7691	54.03996	13.34750	54.00205	19.16206	21.53040	0.0	0.0	40.69246
77.5823E00	11.7668	64.75292	13.34700	64.71502	24.20702	27.19890	0.0	0.0	51.40592
77.7641E00	11.7644	58.82396	13.34640	58.78605	21.41536	24.06220	0.0	0.0	45.47756
77.9465E00	11.7621	67.58993	13.34580	67.55203	25.54353	28.70060	0.0	0.0	54.24413
78.1296E00	11.7597	80.23127	13.34530	80.19337	31.49657	35.38940	0.0	0.0	66.88597
78.3133E00	11.7574	62.29116	13.34470	62.25327	23.04886	25.89760	0.0	0.0	48.94646
78.4977E00	11.7550	41.88226	13.34420	41.84436	13.43856	15.09950	0.0	0.0	28.53806
78.6827E00	11.7527	32.08957	13.34360	32.05167	8.82747	9.91850	0.0	0.0	18.74597
78.8684E00	11.7503	30.47708	13.34310	30.43919	8.06838	9.06560	0.0	0.0	17.13398
79.0548E00	11.7480	30.02062	13.34250	29.98272	7.85372	8.82440	0.0	0.0	16.67812
79.2418E00	11.7456	33.11934	13.34200	33.08145	9.31314	10.46420	0.0	0.0	19.77734
79.4294E00	11.7432	39.98757	13.34140	39.94968	12.54767	14.09850	0.0	0.0	26.64617
79.6178E00	11.7409	51.64137	13.34090	51.60348	18.03567	20.26480	0.0	0.0	38.30047
79.8068E00	11.7385	51.22724	13.34030	51.18935	17.84094	20.04600	0.0	0.0	37.88694
79.9964E00	11.7361	45.41697	13.33970	45.37908	15.10517	16.97210	0.0	0.0	32.07727
80.1868E00	11.7337	53.38207	13.33940	53.34419	18.85607	21.18660	0.0	0.0	40.04267
80.3778E00	11.7314	63.21912	13.33900	63.18124	23.48852	26.39160	0.0	0.0	49.88012
80.5696E00	11.7290	47.33791	13.33870	47.30003	16.01021	17.98900	0.0	0.0	33.99921

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
77.0407E00	11.7738	0.0	0.0	17.94120	0.00284	2.43000	0.89000	1.28571	0.00601
77.2206E00	11.7714	0.0	0.0	24.11886	0.00284	2.43000	0.89000	1.28571	0.00602
77.4011E00	11.7691	0.0	0.0	40.69246	0.00284	2.43000	0.89000	1.28571	0.00603
77.5823E00	11.7668	0.0	0.0	51.40592	0.00284	2.43000	0.89000	1.28571	0.00603
77.7641E00	11.7644	0.0	0.0	45.47756	0.00284	2.43000	0.89000	1.28571	0.00604
77.9465E00	11.7621	0.0	0.0	54.24413	0.00284	2.43000	0.89000	1.28571	0.00605
78.1296E00	11.7597	0.0	0.0	66.88597	0.00284	2.43000	0.89000	1.28571	0.00606
78.3133E00	11.7574	0.0	0.0	48.94646	0.00284	2.43000	0.89000	1.28571	0.00606
78.4977E00	11.7550	0.0	0.0	28.53806	0.00284	2.43000	0.89000	1.28571	0.00607
78.6827E00	11.7527	0.0	0.0	18.74597	0.00284	2.43000	0.89000	1.28571	0.00608
78.8684E00	11.7503	0.0	0.0	17.13398	0.00284	2.43000	0.89000	1.28571	0.00608
79.0548E00	11.7480	0.0	0.0	16.67812	0.00284	2.43000	0.89000	1.28571	0.00609
79.2418E00	11.7456	0.0	0.0	19.77734	0.00284	2.43000	0.89000	1.28571	0.00610
79.4294E00	11.7432	0.0	0.0	26.64617	0.00284	2.43000	0.89000	1.28571	0.00611
79.6178E00	11.7409	0.0	0.0	38.30047	0.00284	2.43000	0.89000	1.28571	0.00611
79.8068E00	11.7385	0.0	0.0	37.88694	0.00284	2.43000	0.89000	1.28571	0.00612
79.9964E00	11.7361	0.0	0.0	32.07727	0.00284	2.43000	0.89000	1.28571	0.00613
80.1868E00	11.7337	0.0	0.0	40.04267	0.00284	2.43000	0.89000	1.28571	0.00613
80.3778E00	11.7314	0.0	0.0	49.88012	0.00284	2.43000	0.89000	1.28571	0.00614
80.5696E00	11.7290	0.0	0.0	33.99921	0.00284	2.43000	0.89000	1.28571	0.00615

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.7620E00	11.7266	34.14418	13.33830	34.10630	9.79748	11.00840	0.0	0.0	20.80588
80.9551E00	11.7242	32.38826	13.33800	32.35038	8.97076	10.07950	0.0	0.0	19.05026
81.1488E00	11.7218	41.30903	13.33760	41.27115	13.17173	14.79970	0.0	0.0	27.97143
81.3433E00	11.7194	61.83697	13.33730	61.79909	22.83847	25.66120	0.0	0.0	48.49967
81.5385E00	11.7170	63.55562	13.33700	63.51775	23.64792	26.57070	0.0	0.0	50.21862
81.7344E00	11.7146	41.73253	13.33660	41.69465	13.37163	15.02430	0.0	0.0	28.39593
81.9310E00	11.7122	27.69992	13.33630	27.66205	6.76382	7.59980	0.0	0.0	14.36362
82.1283E00	11.7098	25.72806	13.33590	25.69019	5.83546	6.55670	0.0	0.0	12.39216
82.3263E00	11.7074	31.28909	13.33560	31.25121	8.45429	9.49920	0.0	0.0	17.95349
82.5251E00	11.7050	44.59693	13.33520	44.55906	14.72113	16.54060	0.0	0.0	31.26173
82.7245E00	11.7026	62.06590	13.33490	62.02803	22.94740	25.78360	0.0	0.0	48.73100
82.9247E00	11.7002	53.05096	13.33450	53.01309	18.70246	21.01400	0.0	0.0	39.71646
83.1256E00	11.6977	43.60377	13.33410	43.56590	14.25397	16.01570	0.0	0.0	30.26967
83.3272E00	11.6953	51.95841	13.33380	51.92054	18.18831	20.43630	0.0	0.0	38.62461
83.5296E00	11.6929	73.67222	13.33340	73.63435	28.41352	31.92530	0.0	0.0	60.33882
83.7327E00	11.6905	96.37857	13.33310	96.34070	39.10607	43.93940	0.0	0.0	83.04547
83.9366E00	11.6880	122.23900	13.33270	122.20200	51.28411	57.62260	0.0	0.0	108.90700
84.1412E00	11.6856	153.77500	13.33240	153.73700	66.13448	74.30840	0.0	0.0	140.44300
84.3465E00	11.6832	152.67600	13.33200	152.63800	65.61685	73.72680	0.0	0.0	139.34400
84.5526E00	11.6807	117.69700	13.33160	117.65900	49.14562	55.21980	0.0	0.0	104.36500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.7620E00	11.7266	0.0	0.0	20.80588	0.00284	2.43000	0.89000	1.28571	0.00616
80.9551E00	11.7242	0.0	0.0	19.05026	0.00284	2.43000	0.89000	1.28571	0.00616
81.1488E00	11.7218	0.0	0.0	27.97143	0.00284	2.43000	0.89000	1.28571	0.00617
81.3433E00	11.7194	0.0	0.0	48.49967	0.00284	2.43000	0.89000	1.28571	0.00618
81.5385E00	11.7170	0.0	0.0	50.21862	0.00284	2.43000	0.89000	1.28571	0.00619
81.7344E00	11.7146	0.0	0.0	28.39593	0.00284	2.43000	0.89000	1.28571	0.00619
81.9310E00	11.7122	0.0	0.0	14.36362	0.00284	2.43000	0.89000	1.28571	0.00620
82.1283E00	11.7098	0.0	0.0	12.39216	0.00284	2.43000	0.89000	1.28571	0.00621
82.3263E00	11.7074	0.0	0.0	17.95349	0.00284	2.43000	0.89000	1.28571	0.00622
82.5251E00	11.7050	0.0	0.0	31.26173	0.00284	2.43000	0.89000	1.28571	0.00622
82.7245E00	11.7026	0.0	0.0	48.73100	0.00284	2.43000	0.89000	1.28571	0.00623
82.9247E00	11.7002	0.0	0.0	39.71646	0.00284	2.43000	0.89000	1.28571	0.00624
83.1256E00	11.6977	0.0	0.0	30.26967	0.00284	2.43000	0.89000	1.28571	0.00625
83.3272E00	11.6953	0.0	0.0	38.62461	0.00284	2.43000	0.89000	1.28571	0.00625
83.5296E00	11.6929	0.0	0.0	60.33882	0.00284	2.43000	0.89000	1.28571	0.00626
83.7327E00	11.6905	0.0	0.0	83.04547	0.00284	2.43000	0.89000	1.28571	0.00627
83.9366E00	11.6880	0.0	0.0	108.90700	0.00284	2.43000	0.89000	1.28571	0.00628
84.1412E00	11.6856	0.0	0.0	140.44300	0.00284	2.43000	0.89000	1.28571	0.00628
84.3465E00	11.6832	0.0	0.0	139.34400	0.00284	2.43000	0.89000	1.28571	0.00629
84.5526E00	11.6807	0.0	0.0	104.36500	0.00284	2.43000	0.89000	1.28571	0.00630

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
84.7595E00	11.6783	93.48677	13.33130	93.44891	37.74517	42.41030	0.0	0.0	80.15547
84.9671E00	11.6758	90.95452	13.33090	90.91666	36.55292	41.07070	0.0	0.0	77.62362
85.1755E00	11.6734	84.07868	13.33050	84.04082	33.31528	37.43290	0.0	0.0	70.74818
85.3846E00	11.6709	72.77873	13.33010	72.74087	27.99433	31.45430	0.0	0.0	59.44863
85.5945E00	11.6685	58.26663	13.32980	58.22877	21.16073	23.77610	0.0	0.0	44.93683
85.8052E00	11.6660	48.29081	13.32940	48.25295	16.46331	18.49810	0.0	0.0	34.96141
86.0167E00	11.6636	36.60719	13.32900	36.56933	10.96169	12.31650	0.0	0.0	23.27819
86.2290E00	11.6611	31.33946	13.32870	31.30160	8.48126	9.52950	0.0	0.0	18.01076
86.4420E00	11.6586	27.81005	13.32830	27.77219	6.81945	7.66230	0.0	0.0	14.48175
86.6558E00	11.6562	33.24737	13.32790	33.20951	9.38007	10.53940	0.0	0.0	19.91947
86.8705E00	11.6537	42.00258	13.32750	41.96473	13.50308	15.17200	0.0	0.0	28.67508
87.0859E00	11.6512	43.44935	13.32710	43.41150	14.18455	15.93770	0.0	0.0	30.12225
87.3021E00	11.6487	38.29805	13.32680	38.26020	11.75895	13.21230	0.0	0.0	24.97125
87.5192E00	11.6462	47.12754	13.32640	47.08969	15.91694	17.88420	0.0	0.0	33.80114
87.7370E00	11.6438	44.19367	13.32600	44.15582	14.53557	16.33210	0.0	0.0	30.86767
87.9557E00	11.6413	44.32028	13.32560	44.28243	14.59538	16.39930	0.0	0.0	30.99468
88.1751E00	11.6388	49.04941	13.32520	49.01157	16.82251	18.90170	0.0	0.0	35.72421
88.3954E00	11.6363	70.18829	13.32480	70.15044	26.77699	30.08650	0.0	0.0	56.86349
88.6166E00	11.6338	99.86542	13.32440	99.82758	40.75212	45.78890	0.0	0.0	86.54102
88.8385E00	11.6313	111.61000	13.32400	111.57200	46.28267	52.00300	0.0	0.0	98.28567

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
84.7595E00	11.6783	0.0	0.0	80.15547	0.00284	2.43000	0.89000	1.28571	0.00631
84.9671E00	11.6758	0.0	0.0	77.62362	0.00284	2.43000	0.89000	1.28571	0.00631
85.1755E00	11.6734	0.0	0.0	70.74818	0.00284	2.43000	0.89000	1.28571	0.00632
85.3846E00	11.6709	0.0	0.0	59.44863	0.00284	2.43000	0.89000	1.28571	0.00633
85.5945E00	11.6685	0.0	0.0	44.93683	0.00284	2.43000	0.89000	1.28571	0.00634
85.8052E00	11.6660	0.0	0.0	34.96141	0.00284	2.43000	0.89000	1.28571	0.00635
86.0167E00	11.6636	0.0	0.0	23.27819	0.00284	2.43000	0.89000	1.28571	0.00635
86.2290E00	11.6611	0.0	0.0	18.01076	0.00284	2.43000	0.89000	1.28571	0.00636
86.4420E00	11.6586	0.0	0.0	14.48175	0.00284	2.43000	0.89000	1.28571	0.00637
86.6558E00	11.6562	0.0	0.0	19.91947	0.00284	2.43000	0.89000	1.28571	0.00638
86.8705E00	11.6537	0.0	0.0	28.67508	0.00284	2.43000	0.89000	1.28571	0.00639
87.0859E00	11.6512	0.0	0.0	30.12225	0.00284	2.43000	0.89000	1.28571	0.00639
87.3021E00	11.6487	0.0	0.0	24.97125	0.00284	2.43000	0.89000	1.28571	0.00640
87.5192E00	11.6462	0.0	0.0	33.80114	0.00284	2.43000	0.89000	1.28571	0.00641
87.7370E00	11.6438	0.0	0.0	30.86767	0.00284	2.43000	0.89000	1.28571	0.00642
87.9557E00	11.6413	0.0	0.0	30.99468	0.00284	2.43000	0.89000	1.28571	0.00642
88.1751E00	11.6388	0.0	0.0	35.72421	0.00284	2.43000	0.89000	1.28571	0.00643
88.3954E00	11.6363	0.0	0.0	56.86349	0.00284	2.43000	0.89000	1.28571	0.00644
88.6166E00	11.6338	0.0	0.0	86.54102	0.00284	2.43000	0.89000	1.28571	0.00645
88.8385E00	11.6313	0.0	0.0	98.28567	0.00284	2.43000	0.89000	1.28571	0.00646

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
89.0613E00	11.6288	85.59531	13.32360	85.55747	34.03271	38.23900	0.0	0.0	72.27171
89.2849E00	11.6263	57.46547	13.32320	57.42764	20.78657	23.35570	0.0	0.0	44.14227
89.5094E00	11.6238	47.55316	13.32280	47.51532	16.11906	18.11130	0.0	0.0	34.23036
89.7347E00	11.6212	55.61814	13.32240	55.58031	19.91704	22.37870	0.0	0.0	42.29574
89.9609E00	11.6187	53.66755	13.32210	53.62972	18.99865	21.34680	0.0	0.0	40.34545
90.1879E00	11.6162	62.26363	13.32170	62.22579	23.04673	25.89520	0.0	0.0	48.94193
90.4158E00	11.6137	78.52800	13.32130	78.49017	30.70580	34.50090	0.0	0.0	65.20670
90.6446E00	11.6111	61.24610	13.32080	61.20827	22.56800	25.35730	0.0	0.0	47.92530
90.8742E00	11.6086	60.85995	13.32040	60.82212	22.38635	25.15320	0.0	0.0	47.53955
91.1047E00	11.6061	96.26927	13.32000	96.23144	39.06077	43.88850	0.0	0.0	82.94927
91.3361E00	11.6035	114.36200	13.31960	114.32400	47.58065	53.46140	0.0	0.0	101.04200
91.5684E00	11.6010	87.99178	13.31920	87.95395	35.16328	39.50930	0.0	0.0	74.67258
91.8015E00	11.5985	55.29759	13.31880	55.25976	19.76779	22.21100	0.0	0.0	41.97879
92.0355E00	11.5959	61.96568	13.31840	61.92785	22.90798	25.73930	0.0	0.0	48.64728
92.2705E00	11.5934	67.13310	13.31800	67.09528	25.34150	28.47360	0.0	0.0	53.81510
92.5063E00	11.5908	86.73427	13.31760	86.69645	34.57187	38.84480	0.0	0.0	73.41667
92.7430E00	11.5883	79.17831	13.31710	79.14049	31.01401	34.84720	0.0	0.0	65.86121
92.9807E00	11.5857	46.26110	13.31670	46.22328	15.51350	17.43090	0.0	0.0	32.94440
93.2193E00	11.5831	35.81807	13.31630	35.78025	10.59607	11.90570	0.0	0.0	22.50177
93.4587E00	11.5806	31.02652	13.31590	30.98871	8.33992	9.37070	0.0	0.0	17.71062

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
89.0613E00	11.6288	0.0	0.0	72.27171	0.00284	2.43000	0.89000	1.28571	0.00647
89.2849E00	11.6263	0.0	0.0	44.14227	0.00284	2.43000	0.89000	1.28571	0.00647
89.5094E00	11.6238	0.0	0.0	34.23036	0.00284	2.43000	0.89000	1.28571	0.00648
89.7347E00	11.6212	0.0	0.0	42.29574	0.00284	2.43000	0.89000	1.28571	0.00649
89.9609E00	11.6187	0.0	0.0	40.34545	0.00284	2.43000	0.89000	1.28571	0.00650
90.1879E00	11.6162	0.0	0.0	48.94193	0.00284	2.43000	0.89000	1.28571	0.00651
90.4158E00	11.6137	0.0	0.0	65.20670	0.00284	2.43000	0.89000	1.28571	0.00651
90.6446E00	11.6111	0.0	0.0	47.92530	0.00284	2.43000	0.89000	1.28571	0.00652
90.8742E00	11.6086	0.0	0.0	47.53955	0.00284	2.43000	0.89000	1.28571	0.00653
91.1047E00	11.6061	0.0	0.0	82.94927	0.00284	2.43000	0.89000	1.28571	0.00654
91.3361E00	11.6035	0.0	0.0	101.04200	0.00284	2.43000	0.89000	1.28571	0.00655
91.5684E00	11.6010	0.0	0.0	74.67258	0.00284	2.43000	0.89000	1.28571	0.00656
91.8015E00	11.5985	0.0	0.0	41.97879	0.00284	2.43000	0.89000	1.28571	0.00656
92.0355E00	11.5959	0.0	0.0	48.64728	0.00284	2.43000	0.89000	1.28571	0.00657
92.2705E00	11.5934	0.0	0.0	53.81510	0.00284	2.43000	0.89000	1.28571	0.00658
92.5063E00	11.5908	0.0	0.0	73.41667	0.00284	2.43000	0.89000	1.28571	0.00659
92.7430E00	11.5883	0.0	0.0	65.86121	0.00284	2.43000	0.89000	1.28571	0.00660
92.9807E00	11.5857	0.0	0.0	32.94440	0.00284	2.43000	0.89000	1.28571	0.00661
93.2193E00	11.5831	0.0	0.0	22.50177	0.00284	2.43000	0.89000	1.28571	0.00661
93.4587E00	11.5806	0.0	0.0	17.71062	0.00284	2.43000	0.89000	1.28571	0.00662

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
93.6992E00	11.5780	28.67392	13.31540	28.63610	7.23232	8.12620	0.0	0.0	15.35852
93.9405E00	11.5754	43.58486	13.31500	43.54705	14.25406	16.01580	0.0	0.0	30.26986
94.1828E00	11.5729	55.02803	13.31460	54.99022	19.64283	22.07060	0.0	0.0	41.71343
94.4260E00	11.5703	42.56091	13.31410	42.52309	13.77231	15.47450	0.0	0.0	29.24681
94.6701E00	11.5677	42.05455	13.31370	42.01674	13.53405	15.20680	0.0	0.0	28.74085
94.9152E00	11.5651	43.87366	13.31330	43.83585	14.39086	16.16950	0.0	0.0	30.56036
95.1613E00	11.5625	45.43005	13.31290	45.39224	15.12395	16.99320	0.0	0.0	32.11715
95.4083E00	11.5599	57.67883	13.31240	57.64102	20.89213	23.47430	0.0	0.0	44.36643
95.6563E00	11.5573	57.96655	13.31190	57.92875	21.02785	23.62680	0.0	0.0	44.65465
95.9052E00	11.5547	49.84680	13.31140	49.80900	17.20450	19.33090	0.0	0.0	36.53540
96.3159E00	11.5505	48.59172	13.31090	48.55392	16.61372	18.66710	0.0	0.0	35.28082
96.5723E00	11.5478	51.19857	13.31050	51.16077	17.84147	20.04660	0.0	0.0	37.88807
96.8296E00	11.5451	54.18238	13.31000	54.14458	19.24678	21.62560	0.0	0.0	40.87238
97.0880E00	11.5425	38.62889	13.30950	38.59109	11.92289	13.39650	0.0	0.0	25.31939
97.3474E00	11.5398	30.35756	13.30900	30.31976	8.02816	9.02040	0.0	0.0	17.04856
97.6079E00	11.5371	33.28051	13.30850	33.24271	9.40481	10.56720	0.0	0.0	19.97201
97.8694E00	11.5345	35.50766	13.30810	35.46987	10.45376	11.74580	0.0	0.0	22.19956
98.1319E00	11.5318	59.91765	13.30760	59.87985	21.94865	24.66140	0.0	0.0	46.61005
98.3956E00	11.5291	97.77120	13.30710	97.73341	39.77410	44.69000	0.0	0.0	84.46410
98.6602E00	11.5264	96.89620	13.30660	96.85841	39.36230	44.22730	0.0	0.0	83.58960

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
93.6992E00	11.5780	0.0	0.0	15.35852	0.00284	2.43000	0.89000	1.28571	0.00663
93.9405E00	11.5754	0.0	0.0	30.26986	0.00284	2.43000	0.89000	1.28571	0.00664
94.1828E00	11.5729	0.0	0.0	41.71343	0.00284	2.43000	0.89000	1.28571	0.00665
94.4260E00	11.5703	0.0	0.0	29.24681	0.00284	2.43000	0.89000	1.28571	0.00666
94.6701E00	11.5677	0.0	0.0	28.74085	0.00284	2.43000	0.89000	1.28571	0.00667
94.9152E00	11.5651	0.0	0.0	30.56036	0.00284	2.43000	0.89000	1.28571	0.00667
95.1613E00	11.5625	0.0	0.0	32.11715	0.00284	2.43000	0.89000	1.28571	0.00668
95.4083E00	11.5599	0.0	0.0	44.36643	0.00284	2.43000	0.89000	1.28571	0.00669
95.6563E00	11.5573	0.0	0.0	44.65465	0.00284	2.43000	0.89000	1.28571	0.00670
95.9052E00	11.5547	0.0	0.0	36.53540	0.00284	2.43000	0.89000	1.28571	0.00671
96.3159E00	11.5505	0.0	0.0	35.28082	0.00284	2.43000	0.89000	1.28571	0.00672
96.5723E00	11.5478	0.0	0.0	37.88807	0.00284	2.43000	0.89000	1.28571	0.00673
96.8296E00	11.5451	0.0	0.0	40.87238	0.00284	2.43000	0.89000	1.28571	0.00674
97.0880E00	11.5425	0.0	0.0	25.31939	0.00284	2.43000	0.89000	1.28571	0.00675
97.3474E00	11.5398	0.0	0.0	17.04856	0.00284	2.43000	0.89000	1.28571	0.00676
97.6079E00	11.5371	0.0	0.0	19.97201	0.00284	2.43000	0.89000	1.28571	0.00677
97.8694E00	11.5345	0.0	0.0	22.19956	0.00284	2.43000	0.89000	1.28571	0.00678
98.1319E00	11.5318	0.0	0.0	46.61005	0.00284	2.43000	0.89000	1.28571	0.00679
98.3956E00	11.5291	0.0	0.0	84.46410	0.00284	2.43000	0.89000	1.28571	0.00680
98.6602E00	11.5264	0.0	0.0	83.58960	0.00284	2.43000	0.89000	1.28571	0.00680

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
98.9260E00	11.5237	51.48193	13.30620	51.44414	17.97693	20.19880	0.0	0.0	38.17573
99.1928E00	11.5210	31.99780	13.30570	31.96001	8.80210	9.89000	0.0	0.0	18.69210
99.4607E00	11.5183	31.59303	13.30520	31.55524	8.61173	9.67610	0.0	0.0	18.28783
99.7297E00	11.5156	33.82008	13.30470	33.78230	9.66068	10.85470	0.0	0.0	20.51538
99.9998E00	11.5129	38.98940	13.30430	38.95162	12.09510	13.59000	0.0	0.0	25.68510
100.2710E00	11.5102	37.16031	13.30400	37.12252	12.44181	11.41450	0.0	0.0	23.85631
100.5430E00	11.5075	41.62989	13.30370	41.59211	14.77299	13.55320	0.0	0.0	28.32619
100.8170E00	11.5048	43.23554	13.30340	43.19776	15.61054	14.32160	0.0	0.0	29.93214
101.0910E00	11.5021	42.38409	13.30320	42.34631	15.16659	13.91430	0.0	0.0	29.08089
101.3670E00	11.4993	47.65832	13.30290	47.62054	17.91742	16.43800	0.0	0.0	34.35542
101.6440E00	11.4966	35.77428	13.30260	35.73650	11.71968	10.75200	0.0	0.0	22.47168
101.9220E00	11.4939	34.91520	13.30230	34.87742	11.27180	10.34110	0.0	0.0	21.61290
102.2010E00	11.4912	30.00633	13.30200	29.96855	8.71183	7.99250	0.0	0.0	16.70433
102.4810E00	11.4884	32.83233	13.30170	32.79456	10.18583	9.34480	0.0	0.0	19.53063
102.7620E00	11.4857	35.65040	13.30140	35.61262	11.65570	10.69330	0.0	0.0	22.34900
103.0450E00	11.4829	68.87075	13.30120	68.83297	28.98125	26.58830	0.0	0.0	55.56955
103.3280E00	11.4802	106.05000	13.30090	106.01200	48.37148	44.37750	0.0	0.0	92.74898
103.6130E00	11.4774	97.83232	13.30060	97.79455	44.08592	40.44580	0.0	0.0	84.53172
103.8990E00	11.4747	74.68945	13.30030	74.65168	32.01635	29.37280	0.0	0.0	61.38915
104.1860E00	11.4719	61.29518	13.30000	61.25741	25.03098	22.96420	0.0	0.0	47.99518

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
98.9260E00	11.5237	0.0	0.0	38.17573	0.00284	2.43000	0.89000	1.28571	0.00681
99.1928E00	11.5210	0.0	0.0	18.69210	0.00284	2.43000	0.89000	1.28571	0.00682
99.4607E00	11.5183	0.0	0.0	18.28783	0.00284	2.43000	0.89000	1.28571	0.00683
99.7297E00	11.5156	0.0	0.0	20.51538	0.00284	2.43000	0.89000	1.28571	0.00684
99.9998E00	11.5129	0.0	0.0	25.68510	0.00284	2.43000	0.89000	1.28571	0.00685
100.2710E00	11.5102	0.0	0.0	23.85631	0.00284	2.43000	1.09000	1.16268	0.00686
100.5430E00	11.5075	0.0	0.0	28.32619	0.00284	2.43000	1.09000	1.16268	0.00687
100.8170E00	11.5048	0.0	0.0	29.93214	0.00284	2.43000	1.09000	1.16268	0.00688
101.0910E00	11.5021	0.0	0.0	29.08089	0.00284	2.43000	1.09000	1.16268	0.00689
101.3670E00	11.4993	0.0	0.0	34.35542	0.00284	2.43000	1.09000	1.16268	0.00690
101.6440E00	11.4966	0.0	0.0	22.47168	0.00284	2.43000	1.09000	1.16268	0.00691
101.9220E00	11.4939	0.0	0.0	21.61290	0.00284	2.43000	1.09000	1.16268	0.00692
102.2010E00	11.4912	0.0	0.0	16.70433	0.00284	2.43000	1.09000	1.16268	0.00693
102.4810E00	11.4884	0.0	0.0	19.53063	0.00284	2.43000	1.09000	1.16268	0.00694
102.7620E00	11.4857	0.0	0.0	22.34900	0.00284	2.43000	1.09000	1.16268	0.00694
103.0450E00	11.4829	0.0	0.0	55.56955	0.00284	2.43000	1.09000	1.16268	0.00695
103.3280E00	11.4802	0.0	0.0	92.74898	0.00284	2.43000	1.09000	1.16268	0.00696
103.6130E00	11.4774	0.0	0.0	84.53172	0.00284	2.43000	1.09000	1.16268	0.00697
103.8990E00	11.4747	0.0	0.0	61.38915	0.00284	2.43000	1.09000	1.16268	0.00698
104.1860E00	11.4719	0.0	0.0	47.99518	0.00284	2.43000	1.09000	1.16268	0.00699

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
104.4750E00	11.4691	46.32254	13.29970	46.28476	17.22244	15.80040	0.0	0.0	33.02284
104.7640E00	11.4664	39.45648	13.29950	39.41871	13.64168	12.51530	0.0	0.0	26.15698
105.0550E00	11.4636	44.23225	13.29920	44.19448	16.13255	14.80050	0.0	0.0	30.93305
105.3470E00	11.4608	82.69484	13.29890	82.65707	36.19214	33.20380	0.0	0.0	69.39594
105.6400E00	11.4581	99.43502	13.29860	99.39726	44.92282	41.21360	0.0	0.0	86.13642
105.9350E00	11.4553	81.70964	13.29830	81.67188	35.67864	32.73270	0.0	0.0	68.41134
106.2310E00	11.4525	69.22431	13.29800	69.18654	29.16731	26.75900	0.0	0.0	55.92631
106.5280E00	11.4497	54.38397	13.29770	54.34620	21.42777	19.65850	0.0	0.0	41.08627
106.8260E00	11.4469	47.95681	13.29750	47.91904	18.07591	16.58340	0.0	0.0	34.65931
107.1250E00	11.4441	42.33462	13.29720	42.29685	15.14392	13.89350	0.0	0.0	29.03742
107.4260E00	11.4413	35.94184	13.29690	35.90408	11.81004	10.83490	0.0	0.0	22.64494
107.7280E00	11.4385	49.40114	13.29660	49.36338	18.82964	17.27490	0.0	0.0	36.10454
108.0310E00	11.4357	74.70656	13.29630	74.66880	32.02736	29.38290	0.0	0.0	61.41026
108.3360E00	11.4329	67.08988	13.29600	67.05212	28.05518	25.73870	0.0	0.0	53.79388
108.6410E00	11.4300	41.34789	13.29570	41.31013	14.63009	13.42210	0.0	0.0	28.05219
108.9490E00	11.4272	41.68857	13.29550	41.65081	14.80787	13.58520	0.0	0.0	28.39307
109.2570E00	11.4244	41.64814	13.29520	41.61038	14.78694	13.56600	0.0	0.0	28.35294
109.5670E00	11.4216	41.60771	13.29490	41.56995	14.76601	13.54680	0.0	0.0	28.31281
109.8780E00	11.4187	37.26063	13.29460	37.22287	12.49903	11.46700	0.0	0.0	23.96603
110.1900E00	11.4159	46.24566	13.29430	46.20790	17.18516	15.76620	0.0	0.0	32.95136

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
104.4750E00	11.4691	0.0	0.0	33.02284	0.00284	2.43000	1.09000	1.16268	0.00700
104.7640E00	11.4664	0.0	0.0	26.15698	0.00284	2.43000	1.09000	1.16268	0.00701
105.0550E00	11.4636	0.0	0.0	30.93305	0.00284	2.43000	1.09000	1.16268	0.00702
105.3470E00	11.4608	0.0	0.0	69.39594	0.00284	2.43000	1.09000	1.16268	0.00703
105.6400E00	11.4581	0.0	0.0	86.13642	0.00284	2.43000	1.09000	1.16268	0.00704
105.9350E00	11.4553	0.0	0.0	68.41134	0.00284	2.43000	1.09000	1.16268	0.00705
106.2310E00	11.4525	0.0	0.0	55.92631	0.00284	2.43000	1.09000	1.16268	0.00706
106.5280E00	11.4497	0.0	0.0	41.08627	0.00284	2.43000	1.09000	1.16268	0.00707
106.8260E00	11.4469	0.0	0.0	34.65931	0.00284	2.43000	1.09000	1.16268	0.00708
107.1250E00	11.4441	0.0	0.0	29.03742	0.00284	2.43000	1.09000	1.16268	0.00709
107.4260E00	11.4413	0.0	0.0	22.64494	0.00284	2.43000	1.09000	1.16268	0.00710
107.7280E00	11.4385	0.0	0.0	36.10454	0.00284	2.43000	1.09000	1.16268	0.00711
108.0310E00	11.4357	0.0	0.0	61.41026	0.00284	2.43000	1.09000	1.16268	0.00712
108.3360E00	11.4329	0.0	0.0	53.79388	0.00284	2.43000	1.09000	1.16268	0.00713
108.6410E00	11.4300	0.0	0.0	28.05219	0.00284	2.43000	1.09000	1.16268	0.00714
108.9490E00	11.4272	0.0	0.0	28.39307	0.00284	2.43000	1.09000	1.16268	0.00715
109.2570E00	11.4244	0.0	0.0	28.35294	0.00284	2.43000	1.09000	1.16268	0.00716
109.5670E00	11.4216	0.0	0.0	28.31281	0.00284	2.43000	1.09000	1.16268	0.00717
109.8780E00	11.4187	0.0	0.0	23.96603	0.00284	2.43000	1.09000	1.16268	0.00718
110.1900E00	11.4159	0.0	0.0	32.95136	0.00284	2.43000	1.09000	1.16268	0.00719

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
110.5040E00	11.4130	52.46123	13.29400	52.42347	20.42693	18.74030	0.0	0.0	39.16723
110.8190E00	11.4102	41.84310	13.29370	41.80535	14.88940	13.66000	0.0	0.0	28.54940
111.1350E00	11.4073	28.51926	13.29340	28.48151	7.94076	7.28510	0.0	0.0	15.22586
111.4530E00	11.4045	33.96132	13.29310	33.92357	10.77912	9.88910	0.0	0.0	20.66822
111.7720E00	11.4016	33.93124	13.29270	33.89349	10.76364	9.87490	0.0	0.0	20.63854
112.0930E00	11.3988	45.17326	13.29240	45.13551	16.62686	15.25400	0.0	0.0	31.88086
112.4150E00	11.3959	33.87170	13.29210	33.83395	10.73290	9.84670	0.0	0.0	20.57960
112.7380E00	11.3930	24.92495	13.29180	24.88720	6.06705	5.56610	0.0	0.0	11.63315
113.0620E00	11.3902	27.91339	13.29150	27.87564	6.84429	7.77760	0.0	0.0	14.62189
113.3890E00	11.3873	31.03464	13.29120	30.99689	8.30544	9.43800	0.0	0.0	17.74344
113.7160E00	11.3844	44.54853	13.29090	44.51079	14.63123	16.62640	0.0	0.0	31.25763
114.0450E00	11.3815	59.06183	13.29060	59.02409	21.42483	24.34640	0.0	0.0	45.77123
114.3750E00	11.3786	42.38330	13.29030	42.34556	13.61800	15.47500	0.0	0.0	29.09300
114.7070E00	11.3757	32.31804	13.29000	32.28030	8.90674	10.12130	0.0	0.0	19.02804
115.0400E00	11.3728	26.43569	13.28960	26.39795	6.15349	6.99260	0.0	0.0	13.14609
115.3750E00	11.3699	30.61688	13.28930	30.57914	8.11078	9.21680	0.0	0.0	17.32758
115.7110E00	11.3670	45.97130	13.28900	45.93356	15.29810	17.38420	0.0	0.0	32.68230
116.0490E00	11.3641	69.30875	13.28870	69.27101	26.22215	29.79790	0.0	0.0	56.02005
116.3880E00	11.3612	92.22501	13.28400	92.18729	36.95111	41.98990	0.0	0.0	78.94101
116.7280E00	11.3582	74.01699	13.28810	73.97925	28.42629	32.30260	0.0	0.0	60.72889

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
110.5040E00	11.4130	0.0	0.0	39.16723	0.00284	2.43000	1.09000	1.16268	0.00720
110.8190E00	11.4102	0.0	0.0	28.54940	0.00284	2.43000	1.09000	1.16268	0.00721
111.1350E00	11.4073	0.0	0.0	15.22586	0.00284	2.43000	1.09000	1.16268	0.00722
111.4530E00	11.4045	0.0	0.0	20.66822	0.00284	2.43000	1.09000	1.16268	0.00723
111.7720E00	11.4016	0.0	0.0	20.63854	0.00284	2.43000	1.09000	1.16268	0.00724
112.0930E00	11.3988	0.0	0.0	31.88086	0.00284	2.43000	1.09000	1.16268	0.00725
112.4150E00	11.3959	0.0	0.0	20.57960	0.00284	2.43000	1.09000	1.16268	0.00726
112.7380E00	11.3930	0.0	0.0	11.63315	0.00284	2.43000	1.09000	1.16268	0.00727
113.0620E00	11.3902	0.0	0.0	14.62189	0.00284	2.43000	0.88000	1.29255	0.00728
113.3890E00	11.3873	0.0	0.0	17.74344	0.00284	2.43000	0.88000	1.29255	0.00729
113.7160E00	11.3844	0.0	0.0	31.25763	0.00284	2.43000	0.88000	1.29255	0.00731
114.0450E00	11.3815	0.0	0.0	45.77123	0.00284	2.43000	0.88000	1.29255	0.00732
114.3750E00	11.3786	0.0	0.0	29.09300	0.00284	2.43000	0.88000	1.29255	0.00733
114.7070E00	11.3757	0.0	0.0	19.02804	0.00284	2.43000	0.88000	1.29255	0.00734
115.0400E00	11.3728	0.0	0.0	13.14609	0.00284	2.43000	0.88000	1.29255	0.00735
115.3750E00	11.3699	0.0	0.0	17.32758	0.00284	2.43000	0.88000	1.29255	0.00736
115.7110E00	11.3670	0.0	0.0	32.68230	0.00284	2.43000	0.88000	1.29255	0.00737
116.0490E00	11.3641	0.0	0.0	56.02005	0.00284	2.43000	0.88000	1.29255	0.00738
116.3880E00	11.3612	0.0	0.0	78.94101	0.00284	2.43000	0.88000	1.29255	0.00739
116.7280E00	11.3582	0.0	0.0	60.72889	0.00284	2.43000	0.88000	1.29255	0.00740

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
117.0700E00	11.3553	41.95724	13.28780	41.91950	13.41974	15.24970	0.0	0.0	28.66944
117.4140E00	11.3524	33.41346	13.28750	33.37573	9.42066	10.70530	0.0	0.0	20.12596
117.7590E00	11.3495	39.44721	13.28720	39.40948	12.24511	13.91490	0.0	0.0	26.16001
118.1060E00	11.3465	49.78785	13.28690	49.75012	17.08555	19.41540	0.0	0.0	36.50095
118.4540E00	11.3436	76.85344	13.28650	76.81570	29.75474	33.81220	0.0	0.0	63.56694
118.8030E00	11.3406	93.14540	13.28620	93.10767	37.38090	42.47830	0.0	0.0	79.85920
119.1550E00	11.3377	87.86042	13.28590	87.82269	34.90722	39.66730	0.0	0.0	74.57452
119.5070E00	11.3347	77.25956	13.28560	77.22182	29.94526	34.02870	0.0	0.0	63.97396
119.8620E00	11.3318	55.18467	13.28530	55.14694	19.61247	22.28690	0.0	0.0	41.89937
120.2180E00	11.3288	42.60548	13.28500	42.56775	13.72448	15.59600	0.0	0.0	29.32048
120.5750E00	11.3258	36.22680	13.28460	36.18908	10.73890	12.20330	0.0	0.0	22.94220
120.9340E00	11.3229	36.53426	13.28430	36.49653	10.88296	12.36700	0.0	0.0	23.24996
121.2950E00	11.3199	40.59626	13.28400	40.55854	12.78446	14.52780	0.0	0.0	27.31226
121.6570E00	11.3169	39.87348	13.28370	39.83575	12.44628	14.14350	0.0	0.0	26.58978
122.0210E00	11.3139	84.08335	13.28330	84.04562	33.14045	37.65960	0.0	0.0	70.80005
122.3870E00	11.3109	143.79500	13.28300	143.75800	61.09083	69.42140	0.0	0.0	130.51200
122.7540E00	11.3079	103.21500	13.28270	103.17700	42.09594	47.83630	0.0	0.0	89.93224
123.1230E00	11.3049	45.64340	13.28240	45.60568	15.14770	17.21330	0.0	0.0	32.36100
123.4940E00	11.3019	27.66193	13.28200	27.62421	6.73103	7.64890	0.0	0.0	14.37993
123.8660E00	11.2989	31.52503	13.28170	31.48731	8.53943	9.70390	0.0	0.0	18.24333

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
117.0700E00	11.3553	0.0	0.0	28.66944	0.00284	2.43000	0.88000	1.29255	0.00741
117.4140E00	11.3524	0.0	0.0	20.12596	0.00284	2.43000	0.88000	1.29255	0.00742
117.7590E00	11.3495	0.0	0.0	26.16001	0.00284	2.43000	0.88000	1.29255	0.00743
118.1060E00	11.3465	0.0	0.0	36.50095	0.00284	2.43000	0.88000	1.29255	0.00744
118.4540E00	11.3436	0.0	0.0	63.56694	0.00284	2.43000	0.88000	1.29255	0.00746
118.8030E00	11.3406	0.0	0.0	79.85920	0.00284	2.43000	0.88000	1.29255	0.00747
119.1550E00	11.3377	0.0	0.0	74.57452	0.00284	2.43000	0.88000	1.29255	0.00748
119.5070E00	11.3347	0.0	0.0	63.97396	0.00284	2.43000	0.88000	1.29255	0.00749
119.8620E00	11.3318	0.0	0.0	41.89937	0.00284	2.43000	0.88000	1.29255	0.00750
120.2180E00	11.3288	0.0	0.0	29.32048	0.00284	2.43000	0.88000	1.29255	0.00751
120.5750E00	11.3258	0.0	0.0	22.94220	0.00284	2.43000	0.88000	1.29255	0.00752
120.9340E00	11.3229	0.0	0.0	23.24996	0.00284	2.43000	0.88000	1.29255	0.00753
121.2950E00	11.3199	0.0	0.0	27.31226	0.00284	2.43000	0.88000	1.29255	0.00754
121.6570E00	11.3169	0.0	0.0	26.58978	0.00284	2.43000	0.88000	1.29255	0.00756
122.0210E00	11.3139	0.0	0.0	70.80005	0.00284	2.43000	0.88000	1.29255	0.00757
122.3870E00	11.3109	0.0	0.0	130.51200	0.00284	2.43000	0.88000	1.29255	0.00758
122.7540E00	11.3079	0.0	0.0	89.93224	0.00284	2.43000	0.88000	1.29255	0.00759
123.1230E00	11.3049	0.0	0.0	32.36100	0.00284	2.43000	0.88000	1.29255	0.00760
123.4940E00	11.3019	0.0	0.0	14.37993	0.00284	2.43000	0.88000	1.29255	0.00761
123.8660E00	11.2989	0.0	0.0	18.24333	0.00284	2.43000	0.88000	1.29255	0.00762

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
124.2400E00	11.2959	33.18402	13.28140	33.14630	9.31612	10.58650	0.0	0.0	19.90262
124.6160E00	11.2929	34.50104	13.28110	34.46332	9.93274	11.28720	0.0	0.0	21.21994
124.9930E00	11.2898	50.77974	13.28070	50.74203	17.55274	19.94630	0.0	0.0	37.49904
125.3720E00	11.2868	67.51295	13.28040	67.47523	25.38545	28.84710	0.0	0.0	54.23255
125.7530E00	11.2838	63.74231	13.28010	63.70459	23.62061	26.84160	0.0	0.0	50.46221
126.1350E00	11.2807	84.75702	13.27980	84.71931	33.45742	38.01980	0.0	0.0	71.47722
126.5190E00	11.2777	127.26900	13.27940	127.23100	53.35660	60.63250	0.0	0.0	113.98900
126.9050E00	11.2747	116.08000	13.27910	116.04300	48.11972	54.68150	0.0	0.0	102.80100
127.2930E00	11.2716	80.59765	13.27880	80.55994	31.51095	35.80790	0.0	0.0	67.31885
127.6830E00	11.2685	50.04773	13.27850	50.01002	17.21113	19.55810	0.0	0.0	36.76923
128.0740E00	11.2655	48.66214	13.27810	48.62443	16.56274	18.82130	0.0	0.0	35.38404
128.4670E00	11.2624	56.07168	13.27780	56.03397	20.03118	22.76270	0.0	0.0	42.79388
128.8620E00	11.2594	53.02465	13.27750	52.98694	18.60505	21.14210	0.0	0.0	39.74715
129.2590E00	11.2563	43.86856	13.27720	43.83085	14.31936	16.27200	0.0	0.0	30.59136
129.6580E00	11.2532	34.07994	13.27680	34.04223	9.73764	11.06550	0.0	0.0	20.80314
130.0580E00	11.2501	44.43318	13.27650	44.39547	14.58398	16.57270	0.0	0.0	31.15668
130.4610E00	11.2470	46.35988	13.27620	46.32217	15.48598	17.59770	0.0	0.0	33.08368
130.8650E00	11.2439	29.21688	13.27580	29.17918	7.46178	8.47930	0.0	0.0	15.94108
131.2710E00	11.2408	44.94429	13.27550	44.90659	14.82369	16.84510	0.0	0.0	31.66879
131.6790E00	11.2377	70.78016	13.27510	70.74246	26.91726	30.58780	0.0	0.0	57.50506

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
124.2400E00	11.2959	0.0	0.0	19.90262	0.00284	2.43000	0.88000	1.29255	0.00764
124.6160E00	11.2929	0.0	0.0	21.21994	0.00284	2.43000	0.88000	1.29255	0.00765
124.9930E00	11.2898	0.0	0.0	37.49904	0.00284	2.43000	0.88000	1.29255	0.00766
125.3720E00	11.2868	0.0	0.0	54.23255	0.00284	2.43000	0.88000	1.29255	0.00767
125.7530E00	11.2838	0.0	0.0	50.46221	0.00284	2.43000	0.88000	1.29255	0.00768
126.1350E00	11.2807	0.0	0.0	71.47722	0.00284	2.43000	0.88000	1.29255	0.00769
126.5190E00	11.2777	0.0	0.0	113.98900	0.00284	2.43000	0.88000	1.29255	0.00771
126.9050E00	11.2747	0.0	0.0	102.80100	0.00284	2.43000	0.88000	1.29255	0.00772
127.2930E00	11.2716	0.0	0.0	67.31885	0.00284	2.43000	0.88000	1.29255	0.00773
127.6830E00	11.2685	0.0	0.0	36.76923	0.00284	2.43000	0.88000	1.29255	0.00774
128.0740E00	11.2655	0.0	0.0	35.38404	0.00284	2.43000	0.88000	1.29255	0.00775
128.4670E00	11.2624	0.0	0.0	42.79388	0.00284	2.43000	0.88000	1.29255	0.00776
128.8620E00	11.2594	0.0	0.0	39.74715	0.00284	2.43000	0.88000	1.29255	0.00778
129.2590E00	11.2563	0.0	0.0	30.59136	0.00284	2.43000	0.88000	1.29255	0.00779
129.6580E00	11.2532	0.0	0.0	20.80314	0.00284	2.43000	0.88000	1.29255	0.00780
130.0580E00	11.2501	0.0	0.0	31.15668	0.00284	2.43000	0.88000	1.29255	0.00781
130.4610E00	11.2470	0.0	0.0	33.08368	0.00284	2.43000	0.88000	1.29255	0.00782
130.8650E00	11.2439	0.0	0.0	15.94108	0.00284	2.43000	0.88000	1.29255	0.00784
131.2710E00	11.2408	0.0	0.0	31.66879	0.00284	2.43000	0.88000	1.29255	0.00785
131.6790E00	11.2377	0.0	0.0	57.50506	0.00284	2.43000	0.88000	1.29255	0.00786

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
132.0890E00	11.2346	81.97752	13.27480	81.93982	32.15872	36.54400	0.0	0.0	68.70272
132.5010E00	11.2315	81.54359	13.27440	81.50589	31.95579	36.31340	0.0	0.0	68.26919
132.9140E00	11.2284	79.80636	13.27410	79.76866	31.14276	35.38950	0.0	0.0	66.53226
133.3300E00	11.2253	78.72525	13.27380	78.68755	30.63685	34.81460	0.0	0.0	65.45145
133.7480E00	11.2221	85.61279	13.27340	85.57510	33.86099	38.47840	0.0	0.0	72.33939
134.1670E00	11.2190	93.29004	13.27310	93.25234	37.45474	42.56220	0.0	0.0	80.01694
134.5890E00	11.2159	61.23996	13.27270	61.20227	22.45276	25.51450	0.0	0.0	47.96726
135.0120E00	11.2127	48.38234	13.27240	48.34465	16.43444	18.67550	0.0	0.0	35.10994
135.4380E00	11.2096	78.53526	13.27200	78.49757	30.54876	34.71450	0.0	0.0	65.26326
135.8660E00	11.2064	140.04400	13.27170	140.00700	59.34042	67.43230	0.0	0.0	126.77300
136.2950E00	11.2033	101.84000	13.27130	101.80200	41.45768	47.11100	0.0	0.0	88.56868
136.7270E00	11.2001	74.04576	13.27100	74.00807	28.44776	32.32700	0.0	0.0	60.77476
137.1610E00	11.1969	54.68616	13.27070	54.64847	19.38596	22.02950	0.0	0.0	41.41546
137.5960E00	11.1938	36.66991	13.27030	36.63222	10.95301	12.44660	0.0	0.0	23.39961
138.0340E00	11.1906	48.95372	13.27000	48.91603	16.70302	18.98070	0.0	0.0	35.68372
138.4740E00	11.1874	41.22802	13.26960	41.19033	13.08692	14.87150	0.0	0.0	27.95842
138.9160E00	11.1842	27.78459	13.26930	27.74691	6.79439	7.72090	0.0	0.0	14.51529
139.3600E00	11.1810	26.48699	13.26890	26.44931	6.18719	7.03090	0.0	0.0	13.21809
139.8070E00	11.1778	29.80452	13.26860	29.76683	7.74022	8.79570	0.0	0.0	16.53592
140.2550E00	11.1746	32.00006	13.26830	31.96237	8.76806	9.96370	0.0	0.0	18.73176

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
132.0890E00	11.2346	0.0	0.0	68.70272	0.00284	2.43000	0.88000	1.29255	0.00787
132.5010E00	11.2315	0.0	0.0	68.26919	0.00284	2.43000	0.88000	1.29255	0.00789
132.9140E00	11.2284	0.0	0.0	66.53226	0.00284	2.43000	0.88000	1.29255	0.00790
133.3300E00	11.2253	0.0	0.0	65.45145	0.00284	2.43000	0.88000	1.29255	0.00791
133.7480E00	11.2221	0.0	0.0	72.33939	0.00284	2.43000	0.88000	1.29255	0.00792
134.1670E00	11.2190	0.0	0.0	80.01694	0.00284	2.43000	0.88000	1.29255	0.00793
134.5890E00	11.2159	0.0	0.0	47.96726	0.00284	2.43000	0.88000	1.29255	0.00795
135.0120E00	11.2127	0.0	0.0	35.10994	0.00284	2.43000	0.88000	1.29255	0.00796
135.4380E00	11.2096	0.0	0.0	65.26326	0.00284	2.43000	0.88000	1.29255	0.00797
135.8660E00	11.2064	0.0	0.0	126.77300	0.00284	2.43000	0.88000	1.29255	0.00798
136.2950E00	11.2033	0.0	0.0	88.56868	0.00284	2.43000	0.88000	1.29255	0.00800
136.7270E00	11.2001	0.0	0.0	60.77476	0.00284	2.43000	0.88000	1.29255	0.00801
137.1610E00	11.1969	0.0	0.0	41.41546	0.00284	2.43000	0.88000	1.29255	0.00802
137.5960E00	11.1938	0.0	0.0	23.39961	0.00284	2.43000	0.88000	1.29255	0.00804
138.0340E00	11.1906	0.0	0.0	35.68372	0.00284	2.43000	0.88000	1.29255	0.00805
138.4740E00	11.1874	0.0	0.0	27.95842	0.00284	2.43000	0.88000	1.29255	0.00806
138.9160E00	11.1842	0.0	0.0	14.51529	0.00284	2.43000	0.88000	1.29255	0.00807
139.3600E00	11.1810	0.0	0.0	13.21809	0.00284	2.43000	0.88000	1.29255	0.00809
139.8070E00	11.1778	0.0	0.0	16.53592	0.00284	2.43000	0.88000	1.29255	0.00810
140.2550E00	11.1746	0.0	0.0	18.73176	0.00284	2.43000	0.88000	1.29255	0.00811

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
140.7060E00	11.1714	43.85644	13.26790	43.81876	14.31804	16.27050	0.0	0.0	30.58854
141.1590E00	11.1682	40.32588	13.26760	40.28820	12.66558	14.39270	0.0	0.0	27.05828
141.6140E00	11.1650	33.17283	13.26720	33.13515	9.31753	10.58810	0.0	0.0	19.90563
142.0710E00	11.1618	46.86269	13.26690	46.82501	15.72569	17.87010	0.0	0.0	33.59579
142.5300E00	11.1585	76.25552	13.26650	76.21785	29.48422	33.50480	0.0	0.0	62.98902
142.9920E00	11.1553	75.21013	13.26620	75.17246	28.99503	32.94890	0.0	0.0	61.94393
143.4560E00	11.1521	49.99536	13.26580	49.95769	17.19256	19.53700	0.0	0.0	36.72956
143.9220E00	11.1488	30.19001	13.26550	30.15234	7.92211	9.00240	0.0	0.0	16.92451
144.3900E00	11.1456	31.41387	13.26510	31.37620	8.49517	9.65360	0.0	0.0	18.14877
144.8610E00	11.1423	35.44523	13.26480	35.40756	10.38233	11.79810	0.0	0.0	22.18043
145.3340E00	11.1391	35.09684	13.26440	35.05917	10.21944	11.61300	0.0	0.0	21.83244
145.8090E00	11.1358	60.43875	13.26410	60.40108	22.08175	25.09290	0.0	0.0	47.17465
146.2870E00	11.1325	98.13235	13.26370	98.09468	39.72575	45.14290	0.0	0.0	84.86865
146.7670E00	11.1292	56.40414	13.26340	56.36647	20.19354	22.94720	0.0	0.0	43.14074
147.2490E00	11.1260	39.13612	13.26300	39.09846	12.11082	13.76230	0.0	0.0	25.87312
147.7340E00	11.1227	54.71538	13.26270	54.67772	19.40338	22.04930	0.0	0.0	41.45268
148.2210E00	11.1194	54.95562	13.26230	54.91796	19.51602	22.17730	0.0	0.0	41.69332
148.7110E00	11.1161	35.46179	13.26200	35.42413	10.39139	11.80840	0.0	0.0	22.19979
149.2030E00	11.1128	45.73672	13.26160	45.69906	15.20112	17.27400	0.0	0.0	32.47512
149.6970E00	11.1095	79.79450	13.26130	79.75684	31.14320	35.39000	0.0	0.0	66.53320

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
140.7060E00	11.1714	0.0	0.0	30.58854	0.00284	2.43000	0.88000	1.29255	0.00813
141.1590E00	11.1682	0.0	0.0	27.05828	0.00284	2.43000	0.88000	1.29255	0.00814
141.6140E00	11.1650	0.0	0.0	19.90563	0.00284	2.43000	0.88000	1.29255	0.00815
142.0710E00	11.1618	0.0	0.0	33.59579	0.00284	2.43000	0.88000	1.29255	0.00817
142.5300E00	11.1585	0.0	0.0	62.98902	0.00284	2.43000	0.88000	1.29255	0.00818
142.9920E00	11.1553	0.0	0.0	61.94393	0.00284	2.43000	0.88000	1.29255	0.00819
143.4560E00	11.1521	0.0	0.0	36.72956	0.00284	2.43000	0.88000	1.29255	0.00820
143.9220E00	11.1488	0.0	0.0	16.92451	0.00284	2.43000	0.88000	1.29255	0.00822
144.3900E00	11.1456	0.0	0.0	18.14877	0.00284	2.43000	0.88000	1.29255	0.00823
144.8610E00	11.1423	0.0	0.0	22.18043	0.00284	2.43000	0.88000	1.29255	0.00824
145.3340E00	11.1391	0.0	0.0	21.83244	0.00284	2.43000	0.88000	1.29255	0.00826
145.8090E00	11.1358	0.0	0.0	47.17465	0.00284	2.43000	0.88000	1.29255	0.00827
146.2870E00	11.1325	0.0	0.0	84.86865	0.00284	2.43000	0.88000	1.29255	0.00829
146.7670E00	11.1292	0.0	0.0	43.14074	0.00284	2.43000	0.88000	1.29255	0.00830
147.2490E00	11.1260	0.0	0.0	25.87312	0.00284	2.43000	0.88000	1.29255	0.00831
147.7340E00	11.1227	0.0	0.0	41.45268	0.00284	2.43000	0.88000	1.29255	0.00833
148.2210E00	11.1194	0.0	0.0	41.69332	0.00284	2.43000	0.88000	1.29255	0.00834
148.7110E00	11.1161	0.0	0.0	22.19979	0.00284	2.43000	0.88000	1.29255	0.00835
149.2030E00	11.1128	0.0	0.0	32.47512	0.00284	2.43000	0.88000	1.29255	0.00837
149.6970E00	11.1095	0.0	0.0	66.53320	0.00284	2.43000	0.88000	1.29255	0.00838

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
150.1940E00	11.1062	72.01056	13.26090	71.97290	26.11096	32.63870	0.0	0.0	58.74966
150.6940E00	11.1028	54.87823	13.26050	54.84057	18.48263	23.13510	0.0	0.0	41.61773
151.1960E00	11.0995	36.65353	13.26020	36.61587	10.38113	13.01220	0.0	0.0	23.39333
151.7000E00	11.0962	31.93183	13.25980	31.89417	8.27963	10.39240	0.0	0.0	18.67203
152.2070E00	11.0929	24.75735	13.25940	24.71969	5.09455	6.40340	0.0	0.0	11.49795
152.7160E00	11.0895	26.76379	13.25910	26.72613	5.97909	7.52560	0.0	0.0	13.50469
153.2280E00	11.0862	25.57344	13.25870	25.53578	5.44804	6.86670	0.0	0.0	12.31474
153.7430E00	11.0828	51.70815	13.25830	51.67050	16.99705	21.45280	0.0	0.0	38.44985
154.2600E00	11.0795	68.34904	13.25800	68.31139	24.33454	30.75650	0.0	0.0	55.09104
154.7800E00	11.0761	48.07809	13.25760	48.04044	15.36879	19.45170	0.0	0.0	34.82049
155.3030E00	11.0727	39.24081	13.25720	39.20316	11.45951	14.52410	0.0	0.0	25.98361
155.8280E00	11.0693	47.91545	13.25680	47.87780	15.27245	19.38620	0.0	0.0	34.65865
156.3550E00	11.0660	45.40620	13.25650	45.36855	14.15580	17.99390	0.0	0.0	32.14970
156.8860E00	11.0626	58.73212	13.25610	58.69447	20.00782	25.46820	0.0	0.0	45.47602
157.4190E00	11.0592	63.74688	13.25570	63.70923	22.19688	28.29430	0.0	0.0	50.49118
157.9550E00	11.0558	43.76385	13.25540	43.72620	13.40155	17.10690	0.0	0.0	30.50845
158.4940E00	11.0524	32.50865	13.25500	32.47101	8.45095	10.80270	0.0	0.0	19.25365
159.0350E00	11.0490	39.38445	13.25460	39.34680	11.46005	14.66980	0.0	0.0	26.12985
159.5790E00	11.0456	56.51518	13.25430	56.47754	18.95838	24.30250	0.0	0.0	43.26088
160.1260E00	11.0421	47.55711	13.25390	47.51947	15.02091	19.28230	0.0	0.0	34.30321

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
150.1940E00	11.1062	0.0	0.0	58.74966	0.00284	2.43000	0.80000	1.35000	0.00840
150.6940E00	11.1028	0.0	0.0	41.61773	0.00284	2.43000	0.79890	1.35083	0.00841
151.1960E00	11.0995	0.0	0.0	23.39333	0.00284	2.43000	0.79780	1.35165	0.00842
151.7000E00	11.0962	0.0	0.0	18.67203	0.00284	2.43000	0.79670	1.35248	0.00844
152.2070E00	11.0929	0.0	0.0	11.49795	0.00284	2.43000	0.79560	1.35331	0.00845
152.7160E00	11.0895	0.0	0.0	13.50469	0.00284	2.43000	0.79450	1.35414	0.00847
153.2280E00	11.0862	0.0	0.0	12.31474	0.00284	2.43000	0.79340	1.35497	0.00848
153.7430E00	11.0828	0.0	0.0	38.44985	0.00284	2.43000	0.79230	1.35580	0.00849
154.2600E00	11.0795	0.0	0.0	55.09104	0.00284	2.43000	0.79120	1.35663	0.00851
154.7800E00	11.0761	0.0	0.0	34.82049	0.00284	2.43000	0.79010	1.35747	0.00852
155.3030E00	11.0727	0.0	0.0	25.98361	0.00284	2.43000	0.78900	1.35830	0.00854
155.8280E00	11.0693	0.0	0.0	34.65865	0.00284	2.43000	0.78780	1.35921	0.00855
156.3550E00	11.0660	0.0	0.0	32.14970	0.00284	2.43000	0.78670	1.36005	0.00857
156.8860E00	11.0626	0.0	0.0	45.47602	0.00284	2.43000	0.78560	1.36089	0.00858
157.4190E00	11.0592	0.0	0.0	50.49118	0.00284	2.43000	0.78450	1.36173	0.00859
157.9550E00	11.0558	0.0	0.0	30.50845	0.00284	2.43000	0.78340	1.36257	0.00861
158.4940E00	11.0524	0.0	0.0	19.25365	0.00284	2.43000	0.78230	1.36341	0.00862
159.0350E00	11.0490	0.0	0.0	26.12985	0.00284	2.43000	0.78120	1.36425	0.00864
159.5790E00	11.0456	0.0	0.0	43.26088	0.00284	2.43000	0.78010	1.36509	0.00865
160.1260E00	11.0421	0.0	0.0	34.30321	0.00284	2.43000	0.77900	1.36594	0.00867

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
160.6760E00	11.0387	34.57181	13.25350	34.53417	9.32691	11.99140	0.0	0.0	21.31831
161.2290E00	11.0353	39.13617	13.25310	39.09853	11.31337	14.56970	0.0	0.0	25.88307
161.7840E00	11.0318	49.26281	13.25280	49.22517	15.72611	20.28390	0.0	0.0	36.01001
162.3420E00	11.0284	40.40411	13.25240	40.36648	11.84721	15.30450	0.0	0.0	27.15171
162.9040E00	11.0249	37.00344	13.25200	36.96581	10.35374	13.39770	0.0	0.0	23.75144
163.4680E00	11.0215	43.31990	13.25160	43.28227	13.09590	16.97240	0.0	0.0	30.06830
164.0350E00	11.0180	62.32307	13.25130	62.28544	21.35387	27.71790	0.0	0.0	49.07177
164.6050E00	11.0145	69.23407	13.25090	69.19644	24.33817	31.64500	0.0	0.0	55.98317
165.1780E00	11.0111	38.14819	13.25050	38.11056	10.81449	14.08320	0.0	0.0	24.89769
165.7540E00	11.0076	30.54044	13.25010	30.50281	7.50354	9.78680	0.0	0.0	17.29034
166.3330E00	11.0041	49.66100	13.24980	49.62337	15.78630	20.62490	0.0	0.0	36.41120
166.9150E00	11.0006	58.99458	13.24940	58.95695	19.81548	25.92970	0.0	0.0	45.74518
167.5000E00	10.9971	51.66118	13.24900	51.62355	16.62298	21.78920	0.0	0.0	38.41218
168.0890E00	10.9936	42.73505	13.24860	42.69743	12.74895	16.73750	0.0	0.0	29.48645
168.6800E00	10.9901	64.48677	13.24830	64.44915	22.13397	29.10450	0.0	0.0	51.23847
169.2740E00	10.9866	62.46557	13.24790	62.42794	21.24037	27.97730	0.0	0.0	49.21767
169.8720E00	10.9831	51.55432	13.24750	51.51670	16.51682	21.79000	0.0	0.0	38.30682
170.4730E00	10.9795	47.95984	13.24710	47.92222	14.95254	19.76020	0.0	0.0	34.71274
171.0770E00	10.9760	36.46485	13.24670	36.42723	9.99145	13.22670	0.0	0.0	23.21815
171.6840E00	10.9724	31.18615	13.24630	31.14853	7.71305	10.22680	0.0	0.0	17.93985

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
160.6760E00	11.0387	0.0	0.0	21.31831	0.00284	2.43000	0.77780	1.36686	0.00868
161.2290E00	11.0353	0.0	0.0	25.88307	0.00284	2.43000	0.77650	1.36786	0.00870
161.7840E00	11.0318	0.0	0.0	36.01001	0.00284	2.43000	0.77530	1.36878	0.00871
162.3420E00	11.0284	0.0	0.0	27.15171	0.00284	2.43000	0.77410	1.36971	0.00873
162.9040E00	11.0249	0.0	0.0	23.75144	0.00284	2.43000	0.77280	1.37071	0.00874
163.4680E00	11.0215	0.0	0.0	30.06830	0.00284	2.43000	0.77160	1.37164	0.00876
164.0350E00	11.0180	0.0	0.0	49.07177	0.00284	2.43000	0.77040	1.37257	0.00877
164.6050E00	11.0145	0.0	0.0	55.98317	0.00284	2.43000	0.76910	1.37358	0.00879
165.1780E00	11.0111	0.0	0.0	24.89769	0.00284	2.43000	0.76790	1.37451	0.00880
165.7540E00	11.0076	0.0	0.0	17.29034	0.00284	2.43000	0.76670	1.37545	0.00882
166.3330E00	11.0041	0.0	0.0	36.41120	0.00284	2.43000	0.76540	1.37646	0.00883
166.9150E00	11.0006	0.0	0.0	45.74518	0.00284	2.43000	0.76420	1.37739	0.00885
167.5000E00	10.9971	0.0	0.0	38.41218	0.00284	2.43000	0.76290	1.37841	0.00887
168.0890E00	10.9936	0.0	0.0	29.48645	0.00284	2.43000	0.76170	1.37935	0.00888
168.6800E00	10.9901	0.0	0.0	51.23847	0.00284	2.43000	0.76050	1.38029	0.00890
169.2740E00	10.9866	0.0	0.0	49.21767	0.00284	2.43000	0.75920	1.38131	0.00891
169.8720E00	10.9831	0.0	0.0	38.30682	0.00284	2.43000	0.75800	1.38225	0.00893
170.4730E00	10.9795	0.0	0.0	34.71274	0.00284	2.43000	0.75670	1.38328	0.00894
171.0770E00	10.9760	0.0	0.0	23.21815	0.00284	2.43000	0.75540	1.38430	0.00896
171.6840E00	10.9724	0.0	0.0	17.93985	0.00284	2.43000	0.75420	1.38525	0.00898

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
172.2940E00	10.9689	35.28065	13.24600	35.24304	9.46425	12.57040	0.0	0.0	22.03465
172.9080E00	10.9653	35.22468	13.24560	35.18706	9.43108	12.54800	0.0	0.0	21.97908
173.5250E00	10.9618	30.25269	13.24520	30.21507	7.29059	9.71690	0.0	0.0	17.00749
174.1450E00	10.9582	35.37840	13.24480	35.34078	9.47860	12.65500	0.0	0.0	22.13360
174.7690E00	10.9546	58.59194	13.24440	58.55433	19.40204	25.94550	0.0	0.0	45.34754
175.3960E00	10.9510	72.45541	13.24400	72.41780	25.30851	33.90290	0.0	0.0	59.21141
176.0260E00	10.9475	53.36313	13.24360	53.32552	17.13103	22.98850	0.0	0.0	40.11953
176.6600E00	10.9439	42.76446	13.24320	42.72685	12.59296	16.92830	0.0	0.0	29.52126
177.2970E00	10.9403	65.06817	13.24290	65.03056	22.08507	29.74020	0.0	0.0	51.82527
177.9380E00	10.9367	90.39080	13.24250	90.35319	32.84330	44.30500	0.0	0.0	77.14830
178.5820E00	10.9330	117.15200	13.24210	117.11500	44.19515	59.71510	0.0	0.0	103.91000
179.2300E00	10.9294	67.79168	13.24170	67.75407	23.17778	31.37220	0.0	0.0	54.54998
179.8810E00	10.9258	41.87148	13.24130	41.83387	12.15238	16.47780	0.0	0.0	28.63018
180.5360E00	10.9222	41.02253	13.24090	40.98493	11.78023	16.00140	0.0	0.0	27.78163
181.1940E00	10.9185	60.41243	13.24050	60.37483	19.98193	27.19000	0.0	0.0	47.17193
181.8560E00	10.9149	51.93502	13.24020	51.89742	16.37432	22.32050	0.0	0.0	38.69482
182.5210E00	10.9112	48.62726	13.23980	48.58966	14.95826	20.42920	0.0	0.0	35.38746
183.1900E00	10.9076	55.56942	13.23940	55.53182	17.87452	24.45550	0.0	0.0	42.33002
183.8630E00	10.9039	37.09174	13.23900	37.05414	10.06184	13.79090	0.0	0.0	23.85274
184.5400E00	10.9002	32.32249	13.23860	32.28489	8.04189	11.04200	0.0	0.0	19.08389

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
172.2940E00	10.9689	0.0	0.0	22.03465	0.00284	2.43000	0.75290	1.38627	0.00899
172.9080E00	10.9653	0.0	0.0	21.97908	0.00284	2.43000	0.75160	1.38730	0.00901
173.5250E00	10.9618	0.0	0.0	17.00749	0.00284	2.43000	0.75030	1.38833	0.00902
174.1450E00	10.9582	0.0	0.0	22.13360	0.00284	2.43000	0.74900	1.38937	0.00904
174.7690E00	10.9546	0.0	0.0	45.34754	0.00284	2.43000	0.74780	1.39032	0.00906
175.3960E00	10.9510	0.0	0.0	59.21141	0.00284	2.43000	0.74650	1.39135	0.00907
176.0260E00	10.9475	0.0	0.0	40.11953	0.00284	2.43000	0.74520	1.39239	0.00909
176.6600E00	10.9439	0.0	0.0	29.52126	0.00284	2.43000	0.74390	1.39343	0.00910
177.2970E00	10.9403	0.0	0.0	51.82527	0.00284	2.43000	0.74260	1.39447	0.00912
177.9380E00	10.9367	0.0	0.0	77.14830	0.00284	2.43000	0.74130	1.39551	0.00914
178.5820E00	10.9330	0.0	0.0	103.91000	0.00284	2.43000	0.74010	1.39647	0.00915
179.2300E00	10.9294	0.0	0.0	54.54998	0.00284	2.43000	0.73880	1.39752	0.00917
179.8810E00	10.9258	0.0	0.0	28.63018	0.00284	2.43000	0.73750	1.39856	0.00919
180.5360E00	10.9222	0.0	0.0	27.78163	0.00284	2.43000	0.73620	1.39961	0.00920
181.1940E00	10.9185	0.0	0.0	47.17193	0.00284	2.43000	0.73490	1.40066	0.00922
181.8560E00	10.9149	0.0	0.0	38.69482	0.00284	2.43000	0.73360	1.40171	0.00924
182.5210E00	10.9112	0.0	0.0	35.38746	0.00284	2.43000	0.73220	1.40284	0.00925
183.1900E00	10.9076	0.0	0.0	42.33002	0.00284	2.43000	0.73090	1.40389	0.00927
183.8630E00	10.9039	0.0	0.0	23.85274	0.00284	2.43000	0.72960	1.40495	0.00929
184.5400E00	10.9002	0.0	0.0	19.08389	0.00284	2.43000	0.72830	1.40601	0.00931

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
185.2200E00	10.8966	25.29345	13.23830	25.25585	5.07475	6.98040	0.0	0.0	12.05515
185.9040E00	10.8929	24.24925	13.23790	24.21165	4.63055	6.38080	0.0	0.0	11.01135
186.5920E00	10.8892	25.17966	13.23750	25.14206	5.01676	6.92540	0.0	0.0	11.94216
187.2840E00	10.8855	30.61267	13.23710	30.57507	7.29167	10.08390	0.0	0.0	17.37557
187.9800E00	10.8818	32.57518	13.23670	32.53759	8.10628	11.23220	0.0	0.0	19.33848
188.6790E00	10.8780	29.01746	13.23640	28.97987	6.60816	9.17290	0.0	0.0	15.78106
189.3820E00	10.8743	25.10346	13.23600	25.06587	4.96416	6.90330	0.0	0.0	11.86746
190.0900E00	10.8706	36.53446	13.23560	36.49687	9.73566	13.56320	0.0	0.0	23.29886
190.8010E00	10.8669	51.13638	13.23520	51.09879	15.82068	22.08050	0.0	0.0	37.90118
191.5160E00	10.8631	37.15383	13.23470	37.11624	9.97293	13.94620	0.0	0.0	23.91913
192.2360E00	10.8594	32.02252	13.23430	31.98493	7.82532	10.96290	0.0	0.0	18.78822
192.9590E00	10.8556	59.58775	13.23380	59.55017	19.28595	27.06800	0.0	0.0	46.35395
193.6860E00	10.8519	68.19492	13.23340	68.15734	22.84282	32.11870	0.0	0.0	54.96152
194.4180E00	10.8481	39.59726	13.23300	39.55968	10.94476	15.41950	0.0	0.0	26.36426
195.1540E00	10.8443	50.04487	13.23250	50.00729	15.26577	21.54660	0.0	0.0	36.81237
195.8940E00	10.8405	38.23712	13.23210	38.19954	10.35822	14.64680	0.0	0.0	25.00502
196.6380E00	10.8367	26.61268	13.23170	26.57510	5.53658	7.84440	0.0	0.0	13.38098
197.3860E00	10.8329	26.57658	13.23120	26.53901	5.51588	7.82950	0.0	0.0	13.34538
198.1390E00	10.8291	39.24548	13.23080	39.20790	10.74068	15.27400	0.0	0.0	26.01468
198.8960E00	10.8253	54.13955	13.23030	54.10198	16.87185	24.03740	0.0	0.0	40.90925

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
185.2200E00	10.8966	0.0	0.0	12.05515	0.00284	2.43000	0.72700	1.40706	0.00932
185.9040E00	10.8929	0.0	0.0	11.01135	0.00284	2.43000	0.72570	1.40812	0.00934
186.5920E00	10.8892	0.0	0.0	11.94216	0.00284	2.43000	0.72440	1.40919	0.00936
187.2840E00	10.8855	0.0	0.0	17.37557	0.00284	2.43000	0.72310	1.41025	0.00937
187.9800E00	10.8818	0.0	0.0	19.33848	0.00284	2.43000	0.72170	1.41140	0.00939
188.6790E00	10.8780	0.0	0.0	15.78106	0.00284	2.43000	0.72040	1.41246	0.00941
189.3820E00	10.8743	0.0	0.0	11.86746	0.00284	2.43000	0.71910	1.41353	0.00943
190.0900E00	10.8706	0.0	0.0	23.29886	0.00284	2.43000	0.71780	1.41460	0.00944
190.8010E00	10.8669	0.0	0.0	37.90118	0.00284	2.43000	0.71650	1.41567	0.00946
191.5160E00	10.8631	0.0	0.0	23.91913	0.00284	2.43000	0.71510	1.41683	0.00948
192.2360E00	10.8594	0.0	0.0	18.78822	0.00284	2.43000	0.71380	1.41790	0.00950
192.9590E00	10.8556	0.0	0.0	46.35395	0.00284	2.43000	0.71250	1.41898	0.00952
193.6860E00	10.8519	0.0	0.0	54.96152	0.00284	2.43000	0.71120	1.42006	0.00953
194.4180E00	10.8481	0.0	0.0	26.36426	0.00284	2.43000	0.70980	1.42122	0.00955
195.1540E00	10.8443	0.0	0.0	36.81237	0.00284	2.43000	0.70850	1.42230	0.00957
195.8940E00	10.8405	0.0	0.0	25.00502	0.00284	2.43000	0.70720	1.42338	0.00959
196.6380E00	10.8367	0.0	0.0	13.38098	0.00284	2.43000	0.70580	1.42455	0.00961
197.3860E00	10.8329	0.0	0.0	13.34538	0.00284	2.43000	0.70450	1.42564	0.00962
198.1390E00	10.8291	0.0	0.0	26.01468	0.00284	2.43000	0.70320	1.42673	0.00964
198.8960E00	10.8253	0.0	0.0	40.90925	0.00284	2.43000	0.70190	1.42782	0.00966

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
199.6570E00	10.8215	76.53220	13.22990	76.49463	26.07660	37.22570	0.0	0.0	63.30230
200.4230E00	10.8177	70.48133	13.22950	70.44375	23.55843	33.69340	0.0	0.0	57.25183
201.1930E00	10.8138	88.39392	13.22910	88.35635	30.89032	44.27450	0.0	0.0	75.16482
201.9670E00	10.8100	74.09911	13.22860	74.06154	24.98411	35.88640	0.0	0.0	60.87051
202.7460E00	10.8061	40.48355	13.22820	40.44598	11.17265	16.08270	0.0	0.0	27.25535
203.5300E00	10.8023	37.08487	13.22780	37.04731	9.76797	14.08910	0.0	0.0	23.85707
204.3180E00	10.7984	42.34328	13.22740	42.30571	11.90588	17.21000	0.0	0.0	29.11588
205.1110E00	10.7945	47.68992	13.22690	47.65235	14.07432	20.38870	0.0	0.0	34.46302
205.9080E00	10.7907	29.46786	13.22650	29.43029	6.62426	9.61710	0.0	0.0	16.24136
206.7100E00	10.7868	28.48267	13.22610	28.44510	6.21457	9.04200	0.0	0.0	15.25657
207.5170E00	10.7829	35.81154	13.22570	35.77398	9.18814	13.39770	0.0	0.0	22.58584
208.3280E00	10.7790	49.98353	13.22520	49.94597	14.93423	21.82410	0.0	0.0	36.75833
209.1440E00	10.7751	34.28622	13.22480	34.24866	8.54572	12.51570	0.0	0.0	21.06142
209.9650E00	10.7712	27.38095	13.22440	27.34339	5.73705	8.41950	0.0	0.0	14.15655
210.7910E00	10.7672	28.26572	13.22390	28.22817	6.08782	8.95400	0.0	0.0	15.04182
211.6220E00	10.7633	33.87571	13.22350	33.83815	8.34751	12.30470	0.0	0.0	20.65221
212.4580E00	10.7594	42.21459	13.22300	42.17703	11.70279	17.28880	0.0	0.0	28.99159
213.2980E00	10.7554	39.60730	13.22260	39.56975	10.63640	15.74830	0.0	0.0	26.38470
214.1440E00	10.7514	47.19507	13.22210	47.15752	13.67727	20.29570	0.0	0.0	33.97297
214.9940E00	10.7475	70.93522	13.22170	70.89767	23.20412	34.50940	0.0	0.0	57.71352

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
199.6570E00	10.8215	0.0	0.0	63.30230	0.00284	2.43000	0.70050	1.42899	0.00968
200.4230E00	10.8177	0.0	0.0	57.25183	0.00284	2.43000	0.69920	1.43008	0.00970
201.1930E00	10.8138	0.0	0.0	75.16482	0.00284	2.43000	0.69770	1.43135	0.00972
201.9670E00	10.8100	0.0	0.0	60.87051	0.00284	2.43000	0.69620	1.43261	0.00973
202.7460E00	10.8061	0.0	0.0	27.25535	0.00284	2.43000	0.69470	1.43388	0.00975
203.5300E00	10.8023	0.0	0.0	23.85707	0.00284	2.43000	0.69330	1.43507	0.00977
204.3180E00	10.7984	0.0	0.0	29.11588	0.00284	2.43000	0.69180	1.43634	0.00979
205.1110E00	10.7945	0.0	0.0	34.46302	0.00284	2.43000	0.69030	1.43761	0.00981
205.9080E00	10.7907	0.0	0.0	16.24136	0.00284	2.43000	0.68880	1.43889	0.00983
206.7100E00	10.7868	0.0	0.0	15.25657	0.00284	2.43000	0.68730	1.44017	0.00985
207.5170E00	10.7829	0.0	0.0	22.58584	0.00284	2.43000	0.68580	1.44145	0.00987
208.3280E00	10.7790	0.0	0.0	36.75833	0.00284	2.43000	0.68430	1.44274	0.00989
209.1440E00	10.7751	0.0	0.0	21.06142	0.00284	2.43000	0.68280	1.44402	0.00991
209.9650E00	10.7712	0.0	0.0	14.15655	0.00284	2.43000	0.68140	1.44522	0.00993
210.7910E00	10.7672	0.0	0.0	15.04182	0.00284	2.43000	0.67990	1.44651	0.00995
211.6220E00	10.7633	0.0	0.0	20.65221	0.00284	2.43000	0.67840	1.44781	0.00996
212.4580E00	10.7594	0.0	0.0	28.99159	0.00284	2.43000	0.67690	1.44910	0.00998
213.2980E00	10.7554	0.0	0.0	26.38470	0.00284	2.43000	0.67540	1.45040	0.01000
214.1440E00	10.7514	0.0	0.0	33.97297	0.00284	2.43000	0.67390	1.45170	0.01002
214.9940E00	10.7475	0.0	0.0	57.71352	0.00284	2.43000	0.67240	1.45300	0.01004

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
215.8500E00	10.7435	47.68134	13.22120	47.64379	13.83644	20.62370	0.0	0.0	34.46014
216.7110E00	10.7395	33.97442	13.22070	33.93687	8.32262	12.43110	0.0	0.0	20.75372
217.5770E00	10.7355	34.36637	13.22030	34.32882	8.46857	12.67750	0.0	0.0	21.14607
218.4480E00	10.7315	45.46741	13.21980	45.42986	12.89711	19.35050	0.0	0.0	32.24761
219.3240E00	10.7275	34.69291	13.21940	34.65536	8.57651	12.89700	0.0	0.0	21.47351
220.2060E00	10.7235	37.99307	13.21890	37.95553	9.88137	14.89280	0.0	0.0	24.77417
221.0930E00	10.7195	53.68079	13.21840	53.64325	16.11679	24.34560	0.0	0.0	40.46239
221.9860E00	10.7155	90.89324	13.21790	90.85570	30.89424	46.78110	0.0	0.0	77.67534
222.8830E00	10.7114	74.99875	13.21750	74.96121	24.53895	37.24230	0.0	0.0	61.78125
223.7870E00	10.7074	60.41177	13.21700	60.37423	18.71787	28.47690	0.0	0.0	47.19477
224.6950E00	10.7034	61.48820	13.21650	61.45067	19.11860	29.15310	0.0	0.0	48.27170
225.6100E00	10.6993	62.66782	13.21600	62.63029	19.55892	29.89290	0.0	0.0	49.45182
226.5300E00	10.6952	60.10326	13.21550	60.06573	18.51736	28.37040	0.0	0.0	46.88776
227.4550E00	10.6911	46.16981	13.21500	46.13228	12.99671	19.95810	0.0	0.0	32.95481
228.3860E00	10.6871	44.43484	13.21460	44.39731	12.29544	18.92480	0.0	0.0	31.22024
229.3230E00	10.6830	32.69514	13.21410	32.65761	7.66074	11.82030	0.0	0.0	19.48104
230.2660E00	10.6789	40.55836	13.21360	40.52083	10.73796	16.60680	0.0	0.0	27.34476
231.2150E00	10.6747	35.82330	13.21310	35.78577	8.86540	13.74480	0.0	0.0	22.61020
232.1690E00	10.6706	59.48534	13.21260	59.44782	18.11774	28.15500	0.0	0.0	46.27274
233.1300E00	10.6665	68.27312	13.21210	68.23560	21.52812	33.53290	0.0	0.0	55.06102

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
215.8500E00	10.7435	0.0	0.0	34.46014	0.00284	2.43000	0.67090	1.45431	0.01006
216.7110E00	10.7395	0.0	0.0	20.75372	0.00284	2.43000	0.66950	1.45553	0.01008
217.5770E00	10.7355	0.0	0.0	21.14607	0.00284	2.43000	0.66800	1.45683	0.01010
218.4480E00	10.7315	0.0	0.0	32.24761	0.00284	2.43000	0.66650	1.45815	0.01012
219.3240E00	10.7275	0.0	0.0	21.47351	0.00284	2.43000	0.66500	1.45946	0.01014
220.2060E00	10.7235	0.0	0.0	24.77417	0.00284	2.43000	0.66350	1.46078	0.01016
221.0930E00	10.7195	0.0	0.0	40.46239	0.00284	2.43000	0.66200	1.46209	0.01019
221.9860E00	10.7155	0.0	0.0	77.67534	0.00284	2.43000	0.66040	1.46350	0.01021
222.8830E00	10.7114	0.0	0.0	61.78125	0.00284	2.43000	0.65890	1.46483	0.01023
223.7870E00	10.7074	0.0	0.0	47.19477	0.00284	2.43000	0.65730	1.46624	0.01025
224.6950E00	10.7034	0.0	0.0	48.27170	0.00284	2.43000	0.65580	1.46757	0.01027
225.6100E00	10.6993	0.0	0.0	49.45182	0.00284	2.43000	0.65430	1.46890	0.01029
226.5300E00	10.6952	0.0	0.0	46.88776	0.00284	2.43000	0.65270	1.47032	0.01031
227.4550E00	10.6911	0.0	0.0	32.95481	0.00284	2.43000	0.65120	1.47166	0.01033
228.3860E00	10.6871	0.0	0.0	31.22024	0.00284	2.43000	0.64970	1.47300	0.01035
229.3230E00	10.6830	0.0	0.0	19.48104	0.00284	2.43000	0.64810	1.47443	0.01037
230.2660E00	10.6789	0.0	0.0	27.34476	0.00284	2.43000	0.64660	1.47577	0.01039
231.2150E00	10.6747	0.0	0.0	22.61020	0.00284	2.43000	0.64500	1.47720	0.01042
232.1690E00	10.6706	0.0	0.0	46.27274	0.00284	2.43000	0.64350	1.47855	0.01044
233.1300E00	10.6665	0.0	0.0	55.06102	0.00284	2.43000	0.64200	1.47990	0.01046

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
234.0960E00	10.6624	59.63541	13.21160	59.59789	18.12351	28.30030	0.0	0.0	46.42381
235.0680E00	10.6582	54.68635	13.21120	54.64883	16.16845	25.30670	0.0	0.0	41.47515
236.0470E00	10.6541	36.97691	13.21070	36.93939	9.25161	14.51460	0.0	0.0	23.76621
237.0310E00	10.6499	26.17261	13.21020	26.13509	5.03821	7.92420	0.0	0.0	12.96241
238.0220E00	10.6457	26.13325	13.20970	26.09574	5.01585	7.90770	0.0	0.0	12.92355
239.0190E00	10.6416	28.41649	13.20920	28.37898	5.89309	9.31420	0.0	0.0	15.20729
240.0220E00	10.6374	40.16265	13.20870	40.12514	10.42995	16.52400	0.0	0.0	26.95395
241.0320E00	10.6332	51.62537	13.20820	51.58786	14.84257	23.57460	0.0	0.0	38.41717
242.0480E00	10.6290	72.33015	13.20770	72.29264	22.80645	36.31600	0.0	0.0	59.12245
243.0700E00	10.6247	91.54558	13.20720	91.50807	30.16868	48.16970	0.0	0.0	78.33838
244.0990E00	10.6205	45.75545	13.20670	45.71794	12.51505	20.03370	0.0	0.0	32.54875
245.1340E00	10.6163	34.87280	13.20620	34.83529	8.31770	13.34890	0.0	0.0	21.66660
246.1760E00	10.6120	36.25192	13.20570	36.21441	8.83332	14.21290	0.0	0.0	23.04622
247.2250E00	10.6078	46.89426	13.20520	46.85676	12.89206	20.79700	0.0	0.0	33.68906
248.2800E00	10.6035	39.28992	13.20470	39.25242	9.96532	16.11990	0.0	0.0	26.08522
249.3430E00	10.5993	45.86259	13.20420	45.82509	12.45649	20.20190	0.0	0.0	32.65839
250.4120E00	10.5950	54.23084	13.20370	54.19334	15.62334	25.40380	0.0	0.0	41.02714
251.4870E00	10.5907	35.89083	13.20320	35.85333	8.62563	14.06200	0.0	0.0	22.68763
252.5700E00	10.5864	32.57259	13.20270	32.53510	7.35159	12.01830	0.0	0.0	19.36989
253.6600E00	10.5821	48.88836	13.20210	48.85086	13.52226	22.16400	0.0	0.0	35.68626

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
234.0960E00	10.6624	0.0	0.0	46.42381	0.00284	2.43000	0.64040	1.48135	0.01048
235.0680E00	10.6582	0.0	0.0	41.47515	0.00284	2.43000	0.63890	1.48270	0.01050
236.0470E00	10.6541	0.0	0.0	23.76621	0.00284	2.43000	0.63740	1.48406	0.01052
237.0310E00	10.6499	0.0	0.0	12.96241	0.00284	2.43000	0.63580	1.48551	0.01055
238.0220E00	10.6457	0.0	0.0	12.92355	0.00284	2.43000	0.63430	1.48688	0.01057
239.0190E00	10.6416	0.0	0.0	15.20729	0.00284	2.43000	0.63270	1.48833	0.01059
240.0220E00	10.6374	0.0	0.0	26.95395	0.00284	2.43000	0.63120	1.48970	0.01061
241.0320E00	10.6332	0.0	0.0	38.41717	0.00284	2.43000	0.62960	1.49116	0.01063
242.0480E00	10.6290	0.0	0.0	59.12245	0.00284	2.43000	0.62800	1.49263	0.01066
243.0700E00	10.6247	0.0	0.0	78.33838	0.00284	2.43000	0.62630	1.49419	0.01068
244.0990E00	10.6205	0.0	0.0	32.54875	0.00284	2.43000	0.62470	1.49566	0.01070
245.1340E00	10.6163	0.0	0.0	21.66660	0.00284	2.43000	0.62310	1.49714	0.01072
246.1760E00	10.6120	0.0	0.0	23.04622	0.00284	2.43000	0.62150	1.49861	0.01075
247.2250E00	10.6078	0.0	0.0	33.68906	0.00284	2.43000	0.61990	1.50009	0.01077
248.2800E00	10.6035	0.0	0.0	26.08522	0.00284	2.43000	0.61820	1.50167	0.01079
249.3430E00	10.5993	0.0	0.0	32.65839	0.00284	2.43000	0.61660	1.50315	0.01082
250.4120E00	10.5950	0.0	0.0	41.02714	0.00284	2.43000	0.61500	1.50464	0.01084
251.4870E00	10.5907	0.0	0.0	22.68763	0.00284	2.43000	0.61340	1.50614	0.01086
252.5700E00	10.5864	0.0	0.0	19.36989	0.00284	2.43000	0.61170	1.50772	0.01089
253.6600E00	10.5821	0.0	0.0	35.68626	0.00284	2.43000	0.61010	1.50922	0.01091

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
254.7570E00	10.5778	59.45788	13.20160	59.42038	17.49888	28.75740	0.0	0.0	46.25628
255.8610E00	10.5735	50.37079	13.20110	50.33329	14.03839	23.13130	0.0	0.0	37.16969
256.9720E00	10.5691	37.43485	13.20060	37.39736	9.13785	15.09640	0.0	0.0	24.23425
258.0910E00	10.5648	39.75161	13.20000	39.71412	9.99411	16.55750	0.0	0.0	26.55161
259.2170E00	10.5604	28.12485	13.19950	28.08737	5.60865	9.31670	0.0	0.0	14.92535
260.3500E00	10.5561	28.67199	13.19900	28.63450	5.80479	9.66820	0.0	0.0	15.47299
261.4900E00	10.5517	47.10254	13.19840	47.06506	12.69284	21.21130	0.0	0.0	33.90414
262.6390E00	10.5473	83.83105	13.19790	83.79357	26.39065	44.24250	0.0	0.0	70.63315
263.7940E00	10.5429	85.35448	13.19730	85.31700	26.90338	45.25380	0.0	0.0	72.15718
264.9580E00	10.5385	43.42944	13.19680	43.39197	11.24944	18.98320	0.0	0.0	30.23264
266.1290E00	10.5341	32.40413	13.19620	32.36665	7.13203	12.07590	0.0	0.0	19.20793
267.3080E00	10.5297	45.94024	13.19570	45.90276	12.13234	20.61220	0.0	0.0	32.74454
268.4940E00	10.5253	60.15952	13.19510	60.12204	17.36562	29.59880	0.0	0.0	46.96442
269.6890E00	10.5208	51.98647	13.19460	51.94900	14.31287	24.47900	0.0	0.0	38.79187
270.8920E00	10.5164	52.23557	13.19400	52.19810	14.37387	24.66770	0.0	0.0	39.04157
272.1020E00	10.5119	64.17610	13.19340	64.13863	18.73150	32.25120	0.0	0.0	50.98270
273.3210E00	10.5074	52.91977	13.19290	52.88230	14.56417	25.16270	0.0	0.0	39.72687
274.5480E00	10.5030	69.24684	13.19230	69.20937	20.50724	35.54730	0.0	0.0	56.05454
275.7830E00	10.4985	46.47889	13.19180	46.44142	12.15109	21.13600	0.0	0.0	33.28709
277.0270E00	10.4940	34.83210	13.19120	34.79464	7.88230	13.75860	0.0	0.0	21.64090

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
254.7570E00	10.5778	0.0	0.0	46.25628	0.00284	2.43000	0.60850	1.51072	0.01093
255.8610E00	10.5735	0.0	0.0	37.16969	0.00284	2.43000	0.60690	1.51223	0.01096
256.9720E00	10.5691	0.0	0.0	24.23425	0.00284	2.43000	0.60530	1.51374	0.01098
258.0910E00	10.5648	0.0	0.0	26.55161	0.00284	2.43000	0.60360	1.51534	0.01100
259.2170E00	10.5604	0.0	0.0	14.92535	0.00284	2.43000	0.60200	1.51685	0.01103
260.3500E00	10.5561	0.0	0.0	15.47299	0.00284	2.43000	0.60040	1.51837	0.01105
261.4900E00	10.5517	0.0	0.0	33.90414	0.00284	2.43000	0.59840	1.52027	0.01108
262.6390E00	10.5473	0.0	0.0	70.63315	0.00284	2.43000	0.59650	1.52208	0.01110
263.7940E00	10.5429	0.0	0.0	72.15718	0.00284	2.43000	0.59450	1.52399	0.01113
264.9580E00	10.5385	0.0	0.0	30.23264	0.00284	2.43000	0.59260	1.52581	0.01115
266.1290E00	10.5341	0.0	0.0	19.20793	0.00284	2.43000	0.59060	1.52773	0.01117
267.3080E00	10.5297	0.0	0.0	32.74454	0.00284	2.43000	0.58860	1.52965	0.01120
268.4940E00	10.5253	0.0	0.0	46.96442	0.00284	2.43000	0.58670	1.53148	0.01122
269.6890E00	10.5208	0.0	0.0	38.79187	0.00284	2.43000	0.58470	1.53341	0.01125
270.8920E00	10.5164	0.0	0.0	39.04157	0.00284	2.43000	0.58270	1.53535	0.01127
272.1020E00	10.5119	0.0	0.0	50.98270	0.00284	2.43000	0.58080	1.53720	0.01130
273.3210E00	10.5074	0.0	0.0	39.72687	0.00284	2.43000	0.57880	1.53914	0.01132
274.5480E00	10.5030	0.0	0.0	56.05454	0.00284	2.43000	0.57690	1.54100	0.01135
275.7830E00	10.4985	0.0	0.0	33.28709	0.00284	2.43000	0.57490	1.54296	0.01138
277.0270E00	10.4940	0.0	0.0	21.64090	0.00284	2.43000	0.57290	1.54492	0.01140

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
278.2790E00	10.4895	58.67728	13.19070	58.63981	16.53268	28.95390	0.0	0.0	45.48658
279.5400E00	10.4850	54.76248	13.19010	54.72502	15.07628	26.49610	0.0	0.0	41.57238
280.8090E00	10.4804	48.53002	13.18950	48.49256	12.78322	22.55730	0.0	0.0	35.34052
282.0870E00	10.4759	60.50934	13.18900	60.47188	17.07404	30.24630	0.0	0.0	47.32034
283.3730E00	10.4713	36.20336	13.18840	36.16590	8.28256	14.73240	0.0	0.0	23.01496
284.6690E00	10.4668	25.20693	13.18790	25.16948	4.31403	7.70500	0.0	0.0	12.01903
285.9730E00	10.4622	23.68822	13.18730	23.65077	3.75962	6.74130	0.0	0.0	10.50092
287.2860E00	10.4576	28.32831	13.18680	28.29086	5.40671	9.73480	0.0	0.0	15.14151
288.6090E00	10.4530	36.04131	13.18620	36.00386	8.13931	14.71580	0.0	0.0	22.85511
289.9400E00	10.4484	42.42280	13.18570	42.38535	10.38540	18.85170	0.0	0.0	29.23710
291.2810E00	10.4438	58.91634	13.18510	58.87890	16.20054	29.53070	0.0	0.0	45.73124
292.6310E00	10.4392	51.33027	13.18460	51.29283	13.47667	24.66900	0.0	0.0	38.14567
293.0910E00	10.4376	28.40327	13.18400	28.36582	5.36287	9.85640	0.0	0.0	15.21927
295.3600E00	10.4299	26.10209	13.18350	26.06465	4.53969	8.37890	0.0	0.0	12.91859
296.7380E00	10.4252	25.51599	13.18290	25.47855	4.32199	8.01110	0.0	0.0	12.33309
298.1260E00	10.4206	33.39467	13.18240	33.35723	7.06437	13.14790	0.0	0.0	20.21227
299.5240E00	10.4159	33.13787	13.18180	33.10044	6.95537	13.00070	0.0	0.0	19.95607
300.9320E00	10.4112	42.77368	13.18120	42.73625	10.28128	19.31120	0.0	0.0	29.59248
302.3500E00	10.4065	27.87214	13.18060	27.83471	5.08734	9.60420	0.0	0.0	14.69154
303.7780E00	10.4018	30.61582	13.18000	30.57838	6.01822	11.41760	0.0	0.0	17.43582

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
278.2790E00	10.4895	0.0	0.0	45.48658	0.00284	2.43000	0.57100	1.54679	0.01143
279.5400E00	10.4850	0.0	0.0	41.57238	0.00284	2.43000	0.56900	1.54876	0.01145
280.8090E00	10.4804	0.0	0.0	35.34052	0.00284	2.43000	0.56670	1.55103	0.01148
282.0870E00	10.4759	0.0	0.0	47.32034	0.00284	2.43000	0.56450	1.55321	0.01150
283.3730E00	10.4713	0.0	0.0	23.01496	0.00284	2.43000	0.56220	1.55550	0.01153
284.6690E00	10.4668	0.0	0.0	12.01903	0.00284	2.43000	0.55990	1.55779	0.01156
285.9730E00	10.4622	0.0	0.0	10.50092	0.00284	2.43000	0.55770	1.55999	0.01158
287.2860E00	10.4576	0.0	0.0	15.14151	0.00284	2.43000	0.55540	1.56230	0.01161
288.6090E00	10.4530	0.0	0.0	22.85511	0.00284	2.43000	0.55310	1.56461	0.01164
289.9400E00	10.4484	0.0	0.0	29.23710	0.00284	2.43000	0.55090	1.56683	0.01166
291.2810E00	10.4438	0.0	0.0	45.73124	0.00284	2.43000	0.54860	1.56916	0.01169
292.6310E00	10.4392	0.0	0.0	38.14567	0.00284	2.43000	0.54630	1.57149	0.01172
293.0910E00	10.4376	0.0	0.0	15.21927	0.00284	2.43000	0.54410	1.57373	0.01173
295.3600E00	10.4299	0.0	0.0	12.91859	0.00284	2.43000	0.54180	1.57608	0.01177
296.7380E00	10.4252	0.0	0.0	12.33309	0.00284	2.43000	0.53950	1.57843	0.01180
298.1260E00	10.4206	0.0	0.0	20.21227	0.00284	2.43000	0.53730	1.58069	0.01183
299.5240E00	10.4159	0.0	0.0	19.95607	0.00284	2.43000	0.53500	1.58306	0.01185
300.9320E00	10.4112	0.0	0.0	29.59248	0.00284	2.43000	0.53240	1.58575	0.01188
302.3500E00	10.4065	0.0	0.0	14.69154	0.00284	2.43000	0.52970	1.58855	0.01191
303.7780E00	10.4018	0.0	0.0	17.43582	0.00284	2.43000	0.52710	1.59125	0.01194

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
305.2160E00	10.3971	31.76488	13.17940	31.72745	6.39348	12.19200	0.0	0.0	18.58548
306.6640E00	10.3923	38.20632	13.17880	38.16889	8.58152	16.44600	0.0	0.0	25.02752
308.1230E00	10.3876	31.78459	13.17820	31.74717	6.35809	12.24830	0.0	0.0	18.60639
309.5920E00	10.3828	28.08813	13.17760	28.05071	5.07833	9.83220	0.0	0.0	14.91053
311.0710E00	10.3781	25.70824	13.17700	25.67081	4.25324	8.27800	0.0	0.0	12.53124
312.5620E00	10.3733	24.28856	13.17640	24.25113	3.75896	7.35320	0.0	0.0	11.11216
314.0620E00	10.3685	28.24225	13.17580	28.20483	5.07875	9.98770	0.0	0.0	15.06645
315.5740E00	10.3637	35.38512	13.17520	35.34770	7.46132	14.74860	0.0	0.0	22.20992
317.0970E00	10.3589	39.93427	13.17460	39.89685	8.95787	17.80180	0.0	0.0	26.75967
318.6310E00	10.3541	40.32736	13.17400	40.28994	9.05836	18.09500	0.0	0.0	27.15336
320.1750E00	10.3492	31.17157	13.17340	31.13415	5.98257	12.01560	0.0	0.0	17.99817
321.7320E00	10.3444	31.09621	13.17280	31.05880	5.93691	11.98650	0.0	0.0	17.92341
323.2990E00	10.3395	28.52931	13.17210	28.49190	5.06831	10.28890	0.0	0.0	15.35721
324.8780E00	10.3346	43.92316	13.17150	43.88576	10.11296	20.63870	0.0	0.0	30.75166
326.4690E00	10.3298	58.11473	13.17090	58.07732	14.72543	30.21840	0.0	0.0	44.94383
328.0710E00	10.3249	46.45015	13.17030	46.41274	10.86465	22.41520	0.0	0.0	33.27985
329.6850E00	10.3200	36.18664	13.16970	36.14924	7.48594	15.53100	0.0	0.0	23.01694
331.3110E00	10.3150	35.75496	13.16910	35.71756	7.31276	15.27310	0.0	0.0	22.58586
332.9490E00	10.3101	33.22533	13.16850	33.18793	6.46543	13.59140	0.0	0.0	20.05683
334.6000E00	10.3052	37.72022	13.16790	37.68282	7.87842	16.67390	0.0	0.0	24.55232

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
305.2160E00	10.3971	0.0	0.0	18.58548	0.00284	2.43000	0.52440	1.59407	0.01197
306.6640E00	10.3923	0.0	0.0	25.02752	0.00284	2.43000	0.52180	1.59679	0.01199
308.1230E00	10.3876	0.0	0.0	18.60639	0.00284	2.43000	0.51910	1.59963	0.01202
309.5920E00	10.3828	0.0	0.0	14.91053	0.00284	2.43000	0.51650	1.60237	0.01205
311.0710E00	10.3781	0.0	0.0	12.53124	0.00284	2.43000	0.51380	1.60523	0.01208
312.5620E00	10.3733	0.0	0.0	11.11216	0.00284	2.43000	0.51120	1.60799	0.01211
314.0620E00	10.3685	0.0	0.0	15.06645	0.00284	2.43000	0.50850	1.61087	0.01214
315.5740E00	10.3637	0.0	0.0	22.20992	0.00284	2.43000	0.50590	1.61365	0.01217
317.0970E00	10.3589	0.0	0.0	26.75967	0.00284	2.43000	0.50320	1.61655	0.01220
318.6310E00	10.3541	0.0	0.0	27.15336	0.00284	2.43000	0.50060	1.61935	0.01223
320.1750E00	10.3492	0.0	0.0	17.99817	0.00284	2.43000	0.49790	1.62227	0.01226
321.7320E00	10.3444	0.0	0.0	17.92341	0.00284	2.43000	0.49530	1.62509	0.01229
323.2990E00	10.3395	0.0	0.0	15.35721	0.00284	2.43000	0.49260	1.62803	0.01232
324.8780E00	10.3346	0.0	0.0	30.75166	0.00284	2.43000	0.49000	1.63087	0.01235
326.4690E00	10.3298	0.0	0.0	44.94383	0.00284	2.43000	0.48730	1.63383	0.01238
328.0710E00	10.3249	0.0	0.0	33.27985	0.00284	2.43000	0.48470	1.63669	0.01241
329.6850E00	10.3200	0.0	0.0	23.01694	0.00284	2.43000	0.48200	1.63968	0.01244
331.3110E00	10.3150	0.0	0.0	22.58586	0.00284	2.43000	0.47880	1.64322	0.01247
332.9490E00	10.3101	0.0	0.0	20.05683	0.00284	2.43000	0.47570	1.64668	0.01250
334.6000E00	10.3052	0.0	0.0	24.55232	0.00284	2.43000	0.47250	1.65025	0.01253

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
336.2620E00	10.3002	37.44708	13.16730	37.40968	7.75618	16.52360	0.0	0.0	24.27978
337.9370E00	10.2952	38.92857	13.16670	38.89117	8.19137	17.57050	0.0	0.0	25.76187
339.6250E00	10.2903	33.64766	13.16610	33.61027	6.48186	13.99970	0.0	0.0	20.48156
341.3250E00	10.2853	42.24496	13.16550	42.20757	9.16066	19.91880	0.0	0.0	29.07946
343.0380E00	10.2803	48.79331	13.16490	48.75592	11.17011	24.45830	0.0	0.0	35.62841
344.7640E00	10.2752	39.85981	13.16430	39.82242	8.33041	18.36510	0.0	0.0	26.69551
346.5030E00	10.2702	43.86316	13.16370	43.82577	9.53326	21.16620	0.0	0.0	30.69946
348.2550E00	10.2652	34.10148	13.16310	34.06410	6.47018	14.46820	0.0	0.0	20.93838
350.0210E00	10.2601	39.79243	13.16250	39.75504	8.18943	18.44050	0.0	0.0	26.62993
351.8000E00	10.2550	34.05744	13.16180	34.02006	6.39384	14.50180	0.0	0.0	20.89564
353.5920E00	10.2500	33.34719	13.16120	33.30982	6.14649	14.03950	0.0	0.0	20.18599
355.3990E00	10.2449	36.97916	13.16050	36.94179	7.21566	16.60300	0.0	0.0	23.81866
357.2190E00	10.2397	35.42590	13.15990	35.38852	6.71060	15.55540	0.0	0.0	22.26600
359.0530E00	10.2346	36.75229	13.15920	36.71491	7.07479	16.51830	0.0	0.0	23.59309
360.9020E00	10.2295	29.28678	13.15850	29.24941	4.81098	11.31730	0.0	0.0	16.12828
362.7640E00	10.2243	33.46534	13.15790	33.42797	6.02654	14.28090	0.0	0.0	20.30744
364.6420E00	10.2192	35.37291	13.15720	35.33555	6.55761	15.65810	0.0	0.0	22.21571
366.5330E00	10.2140	33.71210	13.15660	33.67474	6.03480	14.52070	0.0	0.0	20.55550
368.4400E00	10.2088	35.30574	13.15590	35.26837	6.46854	15.68130	0.0	0.0	22.14984
370.3610E00	10.2036	25.53111	13.15520	25.49375	3.59431	8.78160	0.0	0.0	12.37591

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
336.2620E00	10.3002	0.0	0.0	24.27978	0.00284	2.43000	0.46940	1.65374	0.01256
337.9370E00	10.2952	0.0	0.0	25.76187	0.00284	2.43000	0.46620	1.65735	0.01259
339.6250E00	10.2903	0.0	0.0	20.48156	0.00284	2.43000	0.46300	1.66097	0.01262
341.3250E00	10.2853	0.0	0.0	29.07946	0.00284	2.43000	0.45990	1.66450	0.01265
343.0380E00	10.2803	0.0	0.0	35.62841	0.00284	2.43000	0.45670	1.66815	0.01269
344.7640E00	10.2752	0.0	0.0	26.69551	0.00284	2.43000	0.45360	1.67171	0.01272
346.5030E00	10.2702	0.0	0.0	30.69946	0.00284	2.43000	0.45040	1.67540	0.01275
348.2550E00	10.2652	0.0	0.0	20.93838	0.00284	2.43000	0.44720	1.67910	0.01278
350.0210E00	10.2601	0.0	0.0	26.62993	0.00284	2.43000	0.44410	1.68271	0.01281
351.8000E00	10.2550	0.0	0.0	20.89564	0.00284	2.43000	0.44090	1.68645	0.01285
353.5920E00	10.2500	0.0	0.0	20.18599	0.00284	2.43000	0.43780	1.69008	0.01288
355.3990E00	10.2449	0.0	0.0	23.81866	0.00284	2.43000	0.43460	1.69385	0.01291
357.2190E00	10.2397	0.0	0.0	22.26600	0.00284	2.43000	0.43140	1.69764	0.01295
359.0530E00	10.2346	0.0	0.0	23.59309	0.00284	2.43000	0.42830	1.70132	0.01298
360.9020E00	10.2295	0.0	0.0	16.12828	0.00284	2.43000	0.42510	1.70514	0.01301
362.7640E00	10.2243	0.0	0.0	20.30744	0.00284	2.43000	0.42200	1.70886	0.01305
364.6420E00	10.2192	0.0	0.0	22.21571	0.00284	2.43000	0.41880	1.71271	0.01308
366.5330E00	10.2140	0.0	0.0	20.55550	0.00284	2.43000	0.41560	1.71659	0.01311
368.4400E00	10.2088	0.0	0.0	22.14984	0.00284	2.43000	0.41250	1.72035	0.01315
370.3610E00	10.2036	0.0	0.0	12.37591	0.00284	2.43000	0.40930	1.72426	0.01318

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
372.2980E00	10.1984	23.21188	13.15460	23.17452	2.90518	7.15210	0.0	0.0	10.05728
374.2500E00	10.1932	30.12431	13.15390	30.08695	4.87461	12.09580	0.0	0.0	16.97041
376.2170E00	10.1879	25.92717	13.15330	25.88982	3.64837	9.12550	0.0	0.0	12.77387
378.1990E00	10.1827	23.92549	13.15260	23.88813	3.05979	7.71310	0.0	0.0	10.77289
380.1980E00	10.1774	28.51719	13.15190	28.47984	4.33889	11.02640	0.0	0.0	15.36529
382.2120E00	10.1721	34.20114	13.15130	34.16379	5.90934	15.14050	0.0	0.0	21.04984
384.2420E00	10.1668	35.58237	13.15060	35.54502	6.26007	16.17170	0.0	0.0	22.43177
386.2890E00	10.1615	30.33056	13.15000	30.29322	4.76596	12.41460	0.0	0.0	17.18056
388.3520E00	10.1562	46.70928	13.14930	46.67194	9.25348	24.30650	0.0	0.0	33.55998
390.4320E00	10.1508	32.80787	13.14860	32.77052	5.38757	14.27170	0.0	0.0	19.65927
392.5280E00	10.1455	29.03169	13.14800	28.99435	4.32519	11.55850	0.0	0.0	15.88369
394.6410E00	10.1401	21.42896	13.14730	21.39162	2.24106	6.04060	0.0	0.0	8.28166
396.7710E00	10.1347	23.72157	13.14670	23.68424	2.84357	7.73130	0.0	0.0	10.57487
398.9190E00	10.1293	29.40671	13.14600	29.36938	4.34461	11.91610	0.0	0.0	16.26071
401.0840E00	10.1239	26.26511	13.14530	26.22778	3.48281	9.63700	0.0	0.0	13.11981
403.2670E00	10.1185	24.44109	13.14450	24.40376	2.98049	8.31610	0.0	0.0	11.29659
405.4670E00	10.1131	25.46090	13.14380	25.42357	3.22900	9.08810	0.0	0.0	12.31710
407.6860E00	10.1076	28.68116	13.14310	28.64384	4.04796	11.49010	0.0	0.0	15.53806
409.9230E00	10.1021	30.06852	13.14240	30.03119	4.38082	12.54530	0.0	0.0	16.92612
412.1780E00	10.0966	27.93265	13.14160	27.89533	3.80705	10.98400	0.0	0.0	14.79105

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
372.2980E00	10.1984	0.0	0.0	10.05728	0.00284	2.43000	0.40620	1.72806	0.01322
374.2500E00	10.1932	0.0	0.0	16.97041	0.00284	2.43000	0.40300	1.73200	0.01325
376.2170E00	10.1879	0.0	0.0	12.77387	0.00284	2.43000	0.39980	1.73596	0.01328
378.1990E00	10.1827	0.0	0.0	10.77289	0.00284	2.43000	0.39670	1.73982	0.01332
380.1980E00	10.1774	0.0	0.0	15.36529	0.00284	2.43000	0.39350	1.74381	0.01335
382.2120E00	10.1721	0.0	0.0	21.04984	0.00284	2.43000	0.39030	1.74782	0.01339
384.2420E00	10.1668	0.0	0.0	22.43177	0.00284	2.43000	0.38710	1.75186	0.01343
386.2890E00	10.1615	0.0	0.0	17.18056	0.00284	2.43000	0.38390	1.75591	0.01346
388.3520E00	10.1562	0.0	0.0	33.55998	0.00284	2.43000	0.38070	1.75998	0.01350
390.4320E00	10.1508	0.0	0.0	19.65927	0.00284	2.43000	0.37750	1.76407	0.01353
392.5280E00	10.1455	0.0	0.0	15.88369	0.00284	2.43000	0.37420	1.76830	0.01357
394.6410E00	10.1401	0.0	0.0	8.28166	0.00284	2.43000	0.37100	1.77243	0.01361
396.7710E00	10.1347	0.0	0.0	10.57487	0.00284	2.43000	0.36780	1.77658	0.01364
398.9190E00	10.1293	0.0	0.0	16.26071	0.00284	2.43000	0.36460	1.78074	0.01368
401.0840E00	10.1239	0.0	0.0	13.11981	0.00284	2.43000	0.36140	1.78493	0.01372
403.2670E00	10.1185	0.0	0.0	11.29659	0.00284	2.43000	0.35840	1.78887	0.01375
405.4670E00	10.1131	0.0	0.0	12.31710	0.00284	2.43000	0.35530	1.79296	0.01379
407.6860E00	10.1076	0.0	0.0	15.53806	0.00284	2.43000	0.35230	1.79694	0.01383
409.9230E00	10.1021	0.0	0.0	16.92612	0.00284	2.43000	0.34920	1.80107	0.01387
412.1780E00	10.0966	0.0	0.0	14.79105	0.00284	2.43000	0.34660	1.80454	0.01390

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
414.4530E00	10.0911	21.32707	13.14090	21.28975	2.09527	6.09090	0.0	0.0	8.18617
416.7460E00	10.0856	22.60160	13.14020	22.56428	2.40750	7.05390	0.0	0.0	9.46140
419.0580E00	10.0801	29.35758	13.13950	29.32027	4.10328	12.11480	0.0	0.0	16.21808
421.3890E00	10.0745	34.16039	13.13870	34.12308	5.28689	15.73480	0.0	0.0	21.02169
423.7400E00	10.0690	33.41427	13.13800	33.37696	5.07097	15.20530	0.0	0.0	20.27627
426.1100E00	10.0634	30.03329	13.13730	29.99598	4.20369	12.69230	0.0	0.0	16.89599
428.5010E00	10.0578	38.17149	13.13650	38.13418	6.19469	18.84030	0.0	0.0	25.03499
430.9110E00	10.0522	32.23668	13.13580	32.19937	4.69708	14.40380	0.0	0.0	19.10088
433.3430E00	10.0466	35.20845	13.13510	35.17115	5.40415	16.66920	0.0	0.0	22.07335
435.7940E00	10.0409	35.62064	13.13440	35.58334	5.48084	17.00540	0.0	0.0	22.48624
438.2670E00	10.0353	40.18330	13.13360	40.14600	6.55750	20.49220	0.0	0.0	27.04970
440.7610E00	10.0296	28.32305	13.13290	28.28575	3.66325	11.52690	0.0	0.0	15.19015
443.2760E00	10.0239	37.75943	13.13220	37.72213	5.91353	18.71370	0.0	0.0	24.62723
445.8120E00	10.0182	39.27728	13.13150	39.23999	6.25398	19.89180	0.0	0.0	26.14578
448.3710E00	10.0125	26.70937	13.13070	26.67208	3.23617	10.34250	0.0	0.0	13.57867
450.9510E00	10.0067	23.93712	13.13000	23.89983	2.56622	8.24090	0.0	0.0	10.80712
453.5540E00	10.0010	29.49008	13.12930	29.45279	3.87068	12.49010	0.0	0.0	16.36078
456.1800E00	9.9952	25.56609	13.12850	25.52880	2.93309	9.50450	0.0	0.0	12.43759
458.8280E00	9.9894	26.24943	13.12780	26.21215	3.08443	10.03720	0.0	0.0	13.12163
461.4990E00	9.9836	24.37388	13.12700	24.33660	2.63518	8.61170	0.0	0.0	11.24688

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
414.4530E00	10.0911	0.0	0.0	8.18617	0.00284	2.43000	0.34400	1.80804	0.01394
416.7460E00	10.0856	0.0	0.0	9.46140	0.00284	2.43000	0.34130	1.81168	0.01398
419.0580E00	10.0801	0.0	0.0	16.21808	0.00284	2.43000	0.33870	1.81519	0.01402
421.3890E00	10.0745	0.0	0.0	21.02169	0.00284	2.43000	0.33600	1.81886	0.01406
423.7400E00	10.0690	0.0	0.0	20.27627	0.00284	2.43000	0.33350	1.82227	0.01410
426.1100E00	10.0634	0.0	0.0	16.89599	0.00284	2.43000	0.33120	1.82542	0.01414
428.5010E00	10.0578	0.0	0.0	25.03499	0.00284	2.43000	0.32880	1.82872	0.01418
430.9110E00	10.0522	0.0	0.0	19.10088	0.00284	2.43000	0.32610	1.83244	0.01422
433.3430E00	10.0466	0.0	0.0	22.07335	0.00284	2.43000	0.32420	1.83507	0.01426
435.7940E00	10.0409	0.0	0.0	22.48624	0.00284	2.43000	0.32230	1.83771	0.01430
438.2670E00	10.0353	0.0	0.0	27.04970	0.00284	2.43000	0.32000	1.84091	0.01434
440.7610E00	10.0296	0.0	0.0	15.19015	0.00284	2.43000	0.31780	1.84398	0.01438
443.2760E00	10.0239	0.0	0.0	24.62723	0.00284	2.43000	0.31600	1.84650	0.01442
445.8120E00	10.0182	0.0	0.0	26.14578	0.00284	2.43000	0.31440	1.84875	0.01446
448.3710E00	10.0125	0.0	0.0	13.57867	0.00284	2.43000	0.31290	1.85086	0.01450
450.9510E00	10.0067	0.0	0.0	10.80712	0.00284	2.43000	0.31140	1.85298	0.01454
453.5540E00	10.0010	0.0	0.0	16.36078	0.00284	2.43000	0.30990	1.85510	0.01459
456.1800E00	9.9952	0.0	0.0	12.43759	0.00284	2.43000	0.30860	1.85695	0.01463
458.8280E00	9.9894	0.0	0.0	13.12163	0.00284	2.43000	0.30730	1.85879	0.01467
461.4990E00	9.9836	0.0	0.0	11.24688	0.00284	2.43000	0.30600	1.86064	0.01471

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
464.1940E00	9.9778	32.44826	13.12630	32.41098	4.51586	14.80610	0.0	0.0	19.32196
466.9130E00	9.9720	42.87916	13.12560	42.84189	6.93816	22.81540	0.0	0.0	29.75356
469.6550E00	9.9661	33.51024	13.12480	33.47296	4.74284	15.64260	0.0	0.0	20.38544
472.4220E00	9.9602	30.86070	13.12410	30.82343	4.11820	13.61840	0.0	0.0	17.73660
475.2130E00	9.9543	22.79675	13.12330	22.75948	2.24205	7.43140	0.0	0.0	9.67345
478.0290E00	9.9484	25.08387	13.12260	25.04660	2.76807	9.19320	0.0	0.0	11.96127
480.8710E00	9.9425	23.50041	13.12190	23.46314	2.39811	7.98040	0.0	0.0	10.37851
483.7370E00	9.9366	38.47799	13.12110	38.44073	5.85159	19.50530	0.0	0.0	25.35689
486.6300E00	9.9306	37.62813	13.12040	37.59086	5.64983	18.85790	0.0	0.0	24.50773
489.5480E00	9.9246	29.44363	13.11970	29.40637	3.75933	12.56460	0.0	0.0	16.32393
492.4920E00	9.9186	32.49076	13.11890	32.45350	4.45666	14.91520	0.0	0.0	19.37186
495.4640E00	9.9126	33.01070	13.11820	32.97344	4.57290	15.31960	0.0	0.0	19.89250
498.4620E00	9.9066	27.53781	13.11740	27.50055	3.31241	11.10800	0.0	0.0	14.42041
501.4880E00	9.9005	31.49067	13.11670	31.45342	4.21837	14.15560	0.0	0.0	18.37397
504.5410E00	9.8944	36.80842	13.11590	36.77117	5.43942	18.25310	0.0	0.0	23.69252
507.6220E00	9.8884	37.42867	13.11500	37.39143	5.58347	18.73020	0.0	0.0	24.31367
510.7310E00	9.8823	33.85152	13.11420	33.81427	4.76342	15.97390	0.0	0.0	20.73732
513.8700E00	9.8761	35.33523	13.11340	35.29799	5.10573	17.11610	0.0	0.0	22.22183
517.0370E00	9.8700	49.54617	13.11260	49.50893	8.37537	28.05820	0.0	0.0	36.43357
520.2330E00	9.8638	38.67726	13.11170	38.64002	5.88006	19.68550	0.0	0.0	25.56556

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
464.1940E00	9.9778	0.0	0.0	19.32196	0.00284	2.43000	0.30500	1.86207	0.01476
466.9130E00	9.9720	0.0	0.0	29.75356	0.00284	2.43000	0.30410	1.86335	0.01480
469.6550E00	9.9661	0.0	0.0	20.38544	0.00284	2.43000	0.30320	1.86464	0.01484
472.4220E00	9.9602	0.0	0.0	17.73660	0.00284	2.43000	0.30240	1.86579	0.01489
475.2130E00	9.9543	0.0	0.0	9.67345	0.00284	2.43000	0.30170	1.86679	0.01493
478.0290E00	9.9484	0.0	0.0	11.96127	0.00284	2.43000	0.30110	1.86765	0.01497
480.8710E00	9.9425	0.0	0.0	10.37851	0.00284	2.43000	0.30050	1.86851	0.01502
483.7370E00	9.9366	0.0	0.0	25.35689	0.00284	2.43000	0.30000	1.86923	0.01506
486.6300E00	9.9306	0.0	0.0	24.50773	0.00284	2.43000	0.29960	1.86981	0.01511
489.5480E00	9.9246	0.0	0.0	16.32393	0.00284	2.43000	0.29920	1.87038	0.01515
492.4920E00	9.9186	0.0	0.0	19.37186	0.00284	2.43000	0.29880	1.87096	0.01520
495.4640E00	9.9126	0.0	0.0	19.89250	0.00284	2.43000	0.29850	1.87139	0.01524
498.4620E00	9.9066	0.0	0.0	14.42041	0.00284	2.43000	0.29820	1.87182	0.01529
501.4880E00	9.9005	0.0	0.0	18.37397	0.00284	2.43010	0.29800	1.87219	0.01534
504.5410E00	9.8944	0.0	0.0	23.69252	0.00284	2.43010	0.29800	1.87219	0.01538
507.6220E00	9.8884	0.0	0.0	24.31367	0.00284	2.43010	0.29810	1.87204	0.01543
510.7310E00	9.8823	0.0	0.0	20.73732	0.00284	2.43010	0.29820	1.87190	0.01548
513.8700E00	9.8761	0.0	0.0	22.22183	0.00284	2.43010	0.29830	1.87176	0.01552
517.0370E00	9.8700	0.0	0.0	36.43357	0.00284	2.43010	0.29850	1.87147	0.01557
520.2330E00	9.8638	0.0	0.0	25.56556	0.00284	2.43010	0.29870	1.87118	0.01562

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
523.4590E00	9.8576	25.99919	13.11090	25.96195	2.96659	9.92170	0.0	0.0	12.88829
526.7160E00	9.8514	30.83158	13.11010	30.79434	4.08328	13.63820	0.0	0.0	17.72148
530.0030E00	9.8452	26.03844	13.10920	26.00121	2.98214	9.94710	0.0	0.0	12.92924
533.3200E00	9.8390	30.28014	13.10840	30.24291	3.96474	13.20700	0.0	0.0	17.17174
536.6690E00	9.8327	31.01699	13.10760	30.97977	4.13929	13.77010	0.0	0.0	17.90939
540.0500E00	9.8264	27.43972	13.10680	27.40249	3.31692	11.01600	0.0	0.0	14.33292
543.4620E00	9.8201	30.35967	13.10590	30.32245	3.99897	13.25480	0.0	0.0	17.25377
546.9080E00	9.8138	31.53888	13.10510	31.50166	4.28008	14.15370	0.0	0.0	18.43378
550.3850E00	9.8075	35.43502	13.10430	35.39781	5.19542	17.13530	0.0	0.0	22.33072
553.8970E00	9.8011	27.28753	13.10340	27.25032	3.30673	10.87740	0.0	0.0	14.18413
557.4420E00	9.7947	22.77391	13.10260	22.73670	2.25921	7.41210	0.0	0.0	9.67131
561.0210E00	9.7883	26.11041	13.10180	26.07320	3.04491	9.96370	0.0	0.0	13.00861
564.6340E00	9.7819	32.94974	13.10100	32.91253	4.65644	15.19230	0.0	0.0	19.84874
568.2830E00	9.7755	29.71768	13.10010	29.68047	3.90718	12.71040	0.0	0.0	16.61758
571.9670E00	9.7690	28.52717	13.09930	28.48996	3.63647	11.79140	0.0	0.0	15.42787
575.6870E00	9.7625	33.18296	13.09850	33.14576	4.74696	15.33750	0.0	0.0	20.08446
579.4440E00	9.7560	42.39175	13.09760	42.35455	6.94415	22.35000	0.0	0.0	29.29415
583.2370E00	9.7495	33.95653	13.09680	33.91934	4.95933	15.90040	0.0	0.0	20.85973
587.0680E00	9.7430	25.39911	13.09600	25.36192	2.93431	9.36880	0.0	0.0	12.30311
590.9370E00	9.7364	27.04744	13.09520	27.01025	3.33894	10.61330	0.0	0.0	13.95224

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
523.4590E00	9.8576	0.0	0.0	12.88829	0.00284	2.43010	0.29900	1.87075	0.01567
526.7160E00	9.8514	0.0	0.0	17.72148	0.00284	2.43010	0.29940	1.87017	0.01572
530.0030E00	9.8452	0.0	0.0	12.92924	0.00284	2.43010	0.29980	1.86960	0.01577
533.3200E00	9.8390	0.0	0.0	17.17174	0.00284	2.43010	0.30020	1.86902	0.01582
536.6690E00	9.8327	0.0	0.0	17.90939	0.00284	2.43010	0.30060	1.86845	0.01587
540.0500E00	9.8264	0.0	0.0	14.33292	0.00284	2.43010	0.30110	1.86773	0.01591
543.4620E00	9.8201	0.0	0.0	17.25377	0.00284	2.43010	0.30170	1.86687	0.01597
546.9080E00	9.8138	0.0	0.0	18.43378	0.00284	2.43010	0.30240	1.86586	0.01602
550.3850E00	9.8075	0.0	0.0	22.33072	0.00284	2.43010	0.30320	1.86472	0.01607
553.8970E00	9.8011	0.0	0.0	14.18413	0.00284	2.43010	0.30400	1.86357	0.01612
557.4420E00	9.7947	0.0	0.0	9.67131	0.00284	2.43010	0.30480	1.86243	0.01617
561.0210E00	9.7883	0.0	0.0	13.00861	0.00284	2.43010	0.30560	1.86129	0.01622
564.6340E00	9.7819	0.0	0.0	19.84874	0.00284	2.43010	0.30650	1.86001	0.01627
568.2830E00	9.7755	0.0	0.0	16.61758	0.00284	2.43010	0.30740	1.85873	0.01633
571.9670E00	9.7690	0.0	0.0	15.42787	0.00284	2.43010	0.30840	1.85731	0.01638
575.6870E00	9.7625	0.0	0.0	20.08446	0.00284	2.43010	0.30950	1.85575	0.01643
579.4440E00	9.7560	0.0	0.0	29.29415	0.00284	2.43010	0.31070	1.85405	0.01648
583.2370E00	9.7495	0.0	0.0	20.85973	0.00284	2.43010	0.31190	1.85235	0.01654
587.0680E00	9.7430	0.0	0.0	12.30311	0.00284	2.43010	0.31320	1.85052	0.01659
590.9370E00	9.7364	0.0	0.0	13.95224	0.00284	2.43010	0.31460	1.84855	0.01665

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
594.8440E00	9.7298	35.43627	13.09430	35.39908	5.36737	16.97460	0.0	0.0	22.34197
598.7900E00	9.7232	38.67384	13.09350	38.63666	6.16894	19.41140	0.0	0.0	25.58034
602.7750E00	9.7166	30.66702	13.09260	30.62984	4.25542	13.31900	0.0	0.0	17.57442
606.8000E00	9.7099	39.53367	13.09170	39.49649	6.42837	20.01360	0.0	0.0	26.44197
610.8660E00	9.7032	33.32453	13.09070	33.28735	4.93993	15.29390	0.0	0.0	20.23383
614.9720E00	9.6965	29.60232	13.08980	29.56515	4.05212	12.46040	0.0	0.0	16.51252
619.1200E00	9.6898	32.82450	13.08890	32.78732	4.86550	14.87010	0.0	0.0	19.73560
623.3110E00	9.6830	28.74288	13.08800	28.70571	3.87898	11.77590	0.0	0.0	15.65488
627.5440E00	9.6763	25.52641	13.08700	25.48924	3.09841	9.34100	0.0	0.0	12.43941
631.8200E00	9.6695	22.26736	13.08610	22.23019	2.29876	6.88250	0.0	0.0	9.18126
636.1400E00	9.6627	28.76906	13.08520	28.73189	3.94796	11.73590	0.0	0.0	15.68386
640.5050E00	9.6558	28.53341	13.08430	28.49625	3.91131	11.53780	0.0	0.0	15.44911
644.9140E00	9.6490	24.86426	13.08340	24.82710	2.99966	8.78120	0.0	0.0	11.78086
649.3700E00	9.6421	25.53131	13.08240	25.49415	3.18771	9.26120	0.0	0.0	12.44891
653.8710E00	9.6352	25.72122	13.08150	25.68407	3.25402	9.38570	0.0	0.0	12.63972
658.4200E00	9.6283	22.28283	13.08060	22.24568	2.38223	6.82000	0.0	0.0	9.20223
663.0160E00	9.6213	23.21498	13.07970	23.17783	2.63988	7.49540	0.0	0.0	10.13528
667.6610E00	9.6143	26.18883	13.07880	26.15169	3.43473	9.67530	0.0	0.0	13.11003
672.3550E00	9.6073	28.05847	13.07780	28.02133	3.95087	11.02980	0.0	0.0	14.98067
677.0980E00	9.6003	26.88709	13.07690	26.84995	3.66459	10.14560	0.0	0.0	13.81019

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
594.8440E00	9.7298	0.0	0.0	22.34197	0.00284	2.43010	0.31620	1.84630	0.01670
598.7900E00	9.7232	0.0	0.0	25.58034	0.00284	2.43010	0.31780	1.84406	0.01676
602.7750E00	9.7166	0.0	0.0	17.57442	0.00284	2.43010	0.31950	1.84168	0.01681
606.8000E00	9.7099	0.0	0.0	26.44197	0.00284	2.43010	0.32120	1.83931	0.01687
610.8660E00	9.7032	0.0	0.0	20.23383	0.00284	2.43010	0.32300	1.83681	0.01693
614.9720E00	9.6965	0.0	0.0	16.51252	0.00284	2.43010	0.32520	1.83376	0.01698
619.1200E00	9.6898	0.0	0.0	19.73560	0.00284	2.43010	0.32720	1.83100	0.01704
623.3110E00	9.6830	0.0	0.0	15.65488	0.00284	2.43010	0.32940	1.82797	0.01710
627.5440E00	9.6763	0.0	0.0	12.43941	0.00284	2.43010	0.33170	1.82481	0.01715
631.8200E00	9.6695	0.0	0.0	9.18126	0.00284	2.43010	0.33400	1.82166	0.01721
636.1400E00	9.6627	0.0	0.0	15.68386	0.00284	2.43010	0.33640	1.81839	0.01727
640.5050E00	9.6558	0.0	0.0	15.44911	0.00284	2.43010	0.33900	1.81486	0.01733
644.9140E00	9.6490	0.0	0.0	11.78086	0.00284	2.43010	0.34160	1.81134	0.01739
649.3700E00	9.6421	0.0	0.0	12.44891	0.00284	2.43010	0.34420	1.80784	0.01745
653.8710E00	9.6352	0.0	0.0	12.63972	0.00284	2.43010	0.34670	1.80449	0.01751
658.4200E00	9.6283	0.0	0.0	9.20223	0.00284	2.43010	0.34930	1.80101	0.01757
663.0160E00	9.6213	0.0	0.0	10.13528	0.00284	2.43010	0.35220	1.79715	0.01763
667.6610E00	9.6143	0.0	0.0	13.11003	0.00284	2.43010	0.35500	1.79343	0.01769
672.3550E00	9.6073	0.0	0.0	14.98067	0.00284	2.43010	0.35820	1.78921	0.01776
677.0980E00	9.6003	0.0	0.0	13.81019	0.00284	2.43010	0.36120	1.78526	0.01782

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
681.8910E00	9.5932	32.61878	13.07600	32.58164	5.22048	14.32230	0.0	0.0	19.54278
686.7360E00	9.5861	36.92119	13.07510	36.88405	6.40709	17.43900	0.0	0.0	23.84609
691.6330E00	9.5790	31.26530	13.07410	31.22817	4.92070	13.27050	0.0	0.0	18.19120
696.5820E00	9.5719	29.47680	13.07320	29.43967	4.46850	11.93510	0.0	0.0	16.40360
701.5840E00	9.5648	32.31446	13.07230	32.27733	5.27326	13.96890	0.0	0.0	19.24216
706.6400E00	9.5576	27.83059	13.07120	27.79347	4.07579	10.68360	0.0	0.0	14.75939
711.7520E00	9.5504	27.81700	13.07020	27.77988	4.10160	10.64520	0.0	0.0	14.74680
716.9190E00	9.5431	26.65865	13.06910	26.62153	3.80445	9.78510	0.0	0.0	13.58955
722.1420E00	9.5359	26.43913	13.06810	26.40202	3.77023	9.60080	0.0	0.0	13.37103
727.4230E00	9.5286	28.29201	13.06700	28.25490	4.32431	10.90070	0.0	0.0	15.22501
732.7620E00	9.5213	29.67592	13.06600	29.63881	4.75162	11.85830	0.0	0.0	16.60992
738.1600E00	9.5139	29.24876	13.06490	29.21165	4.66346	11.52040	0.0	0.0	16.18386
743.6170E00	9.5066	32.18163	13.06390	32.14453	5.54943	13.56830	0.0	0.0	19.11773
749.1360E00	9.4992	24.68015	13.06280	24.64305	3.39675	8.22060	0.0	0.0	11.61735
754.7160E00	9.4918	25.13639	13.06170	25.09930	3.55699	8.51770	0.0	0.0	12.07469
760.3590E00	9.4843	24.76853	13.06070	24.73144	3.47563	8.23220	0.0	0.0	11.70783
766.0650E00	9.4768	28.78457	13.05960	28.74748	4.70537	11.01960	0.0	0.0	15.72497
771.8360E00	9.4693	31.81542	13.05860	31.77834	5.65482	13.10200	0.0	0.0	18.75682
777.6720E00	9.4618	27.99595	13.05750	27.95887	4.53925	10.39920	0.0	0.0	14.93845
783.5740E00	9.4542	26.96145	13.05650	26.92437	4.25945	9.64550	0.0	0.0	13.90495

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
681.8910E00	9.5932	0.0	0.0	19.54278	0.00284	2.43010	0.36450	1.78095	0.01788
686.7360E00	9.5861	0.0	0.0	23.84609	0.00284	2.43010	0.36740	1.77717	0.01794
691.6330E00	9.5790	0.0	0.0	18.19120	0.00284	2.43010	0.37080	1.77276	0.01801
696.5820E00	9.5719	0.0	0.0	16.40360	0.00284	2.43010	0.37440	1.76812	0.01807
701.5840E00	9.5648	0.0	0.0	19.24216	0.00284	2.43010	0.37750	1.76414	0.01814
706.6400E00	9.5576	0.0	0.0	14.75939	0.00284	2.43010	0.38150	1.75903	0.01820
711.7520E00	9.5504	0.0	0.0	14.74680	0.00284	2.43010	0.38530	1.75420	0.01827
716.9190E00	9.5431	0.0	0.0	13.58955	0.00284	2.43010	0.38880	1.74978	0.01833
722.1420E00	9.5359	0.0	0.0	13.37103	0.00284	2.43010	0.39270	1.74488	0.01840
727.4230E00	9.5286	0.0	0.0	15.22501	0.00284	2.43010	0.39670	1.73989	0.01847
732.7620E00	9.5213	0.0	0.0	16.60992	0.00284	2.43010	0.40070	1.73492	0.01854
738.1600E00	9.5139	0.0	0.0	16.18386	0.00284	2.43010	0.40480	1.72985	0.01860
743.6170E00	9.5066	0.0	0.0	19.11773	0.00284	2.43010	0.40900	1.72470	0.01867
749.1360E00	9.4992	0.0	0.0	11.61735	0.00284	2.43010	0.41320	1.71957	0.01874
754.7160E00	9.4918	0.0	0.0	12.07469	0.00284	2.43010	0.41760	1.71424	0.01881
760.3590E00	9.4843	0.0	0.0	11.70783	0.00284	2.43010	0.42220	1.70869	0.01888
766.0650E00	9.4768	0.0	0.0	15.72497	0.00284	2.43010	0.42700	1.70294	0.01895
771.8360E00	9.4693	0.0	0.0	18.75682	0.00284	2.43010	0.43160	1.69747	0.01902
777.6720E00	9.4618	0.0	0.0	14.93845	0.00284	2.43010	0.43650	1.69168	0.01909
783.5740E00	9.4542	0.0	0.0	13.90495	0.00284	2.43010	0.44160	1.68570	0.01917

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
789.5440E00	9.4466	34.16916	13.05540	34.13208	6.52236	14.59140	0.0	0.0	21.11376
795.5830E00	9.4390	28.50000	13.05440	28.46292	4.80960	10.63600	0.0	0.0	15.44560
801.6910E00	9.4314	26.44076	13.05330	26.40369	4.20476	9.18270	0.0	0.0	13.38746
807.8700E00	9.4237	27.26813	13.05210	27.23106	4.50563	9.71040	0.0	0.0	14.21603
814.1200E00	9.4160	29.17441	13.05100	29.13735	5.15361	10.96980	0.0	0.0	16.12341
820.4430E00	9.4083	27.88853	13.04980	27.85146	4.78403	10.05470	0.0	0.0	14.83873
826.8410E00	9.4005	27.48737	13.04860	27.45031	4.70127	9.73750	0.0	0.0	14.43877
833.3130E00	9.3927	23.31005	13.04740	23.27300	3.36895	6.89370	0.0	0.0	10.26265
839.8620E00	9.3849	20.37655	13.04630	20.33950	2.43035	4.89990	0.0	0.0	7.33025
846.4880E00	9.3770	22.39106	13.04510	22.35401	3.12486	6.22110	0.0	0.0	9.34596
853.1930E00	9.3691	26.58187	13.04390	26.54482	4.56827	8.96970	0.0	0.0	13.53797
859.9770E00	9.3612	27.73118	13.04270	27.69414	5.00398	9.68450	0.0	0.0	14.68848
866.8430E00	9.3532	23.86144	13.04160	23.82440	3.72114	7.09870	0.0	0.0	10.81984
873.7920E00	9.3453	30.34836	13.04040	30.31133	6.00886	11.29910	0.0	0.0	17.30796
880.8240E00	9.3372	26.52511	13.03920	26.48808	4.72541	8.76050	0.0	0.0	13.48591
887.9420E00	9.3292	24.59440	13.03800	24.55737	4.08620	7.47020	0.0	0.0	11.55640
895.1470E00	9.3211	26.44609	13.03690	26.40906	4.78259	8.62660	0.0	0.0	13.40919
902.4390E00	9.3130	22.76447	13.03570	22.72745	3.49717	6.23160	0.0	0.0	9.72877
909.8210E00	9.3048	29.71265	13.03450	29.67563	6.03275	10.64540	0.0	0.0	16.67815
917.2940E00	9.2967	24.68575	13.03330	24.64873	4.23665	7.41580	0.0	0.0	11.65245

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
789.5440E00	9.4466	0.0	0.0	21.11376	0.00284	2.43010	0.44700	1.67941	0.01924
795.5830E00	9.4390	0.0	0.0	15.44560	0.00284	2.43010	0.45220	1.67339	0.01931
801.6910E00	9.4314	0.0	0.0	13.38746	0.00284	2.43010	0.45790	1.66685	0.01939
807.8700E00	9.4237	0.0	0.0	14.21603	0.00284	2.43010	0.46400	1.65990	0.01946
814.1200E00	9.4160	0.0	0.0	16.12341	0.00284	2.43010	0.46980	1.65335	0.01954
820.4430E00	9.4083	0.0	0.0	14.83873	0.00284	2.43010	0.47580	1.64663	0.01961
826.8410E00	9.4005	0.0	0.0	14.43877	0.00284	2.43010	0.48280	1.63886	0.01969
833.3130E00	9.3927	0.0	0.0	10.26265	0.00284	2.43010	0.48870	1.63236	0.01977
839.8620E00	9.3849	0.0	0.0	7.33025	0.00284	2.43010	0.49600	1.62440	0.01984
846.4880E00	9.3770	0.0	0.0	9.34596	0.00284	2.43010	0.50230	1.61759	0.01992
853.1930E00	9.3691	0.0	0.0	13.53797	0.00284	2.43010	0.50930	1.61008	0.02000
859.9770E00	9.3612	0.0	0.0	14.68848	0.00284	2.43010	0.51670	1.60223	0.02008
866.8430E00	9.3532	0.0	0.0	10.81984	0.00284	2.43010	0.52420	1.59434	0.02016
873.7920E00	9.3453	0.0	0.0	17.30796	0.00284	2.43010	0.53180	1.58643	0.02024
880.8240E00	9.3372	0.0	0.0	13.48591	0.00284	2.43010	0.53940	1.57860	0.02032
887.9420E00	9.3292	0.0	0.0	11.55640	0.00284	2.43010	0.54700	1.57085	0.02040
895.1470E00	9.3211	0.0	0.0	13.40919	0.00284	2.43010	0.55440	1.56337	0.02048
902.4390E00	9.3130	0.0	0.0	9.72877	0.00284	2.43010	0.56120	1.55656	0.02057
909.8210E00	9.3048	0.0	0.0	16.67815	0.00284	2.43010	0.56670	1.55109	0.02065
917.2940E00	9.2967	0.0	0.0	11.65245	0.00284	2.43010	0.57130	1.54655	0.02074

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
924.8590E00	9.2885	26.29549	13.03210	26.25848	4.84219	8.42120	0.0	0.0	13.26339
932.5180E00	9.2802	28.20314	13.03090	28.16613	5.56104	9.61120	0.0	0.0	15.17224
940.2730E00	9.2719	27.35911	13.02970	27.32211	5.26991	9.05050	0.0	0.0	14.32941
948.1250E00	9.2636	24.48244	13.02850	24.44544	4.22474	7.22920	0.0	0.0	11.45394
956.0760E00	9.2553	25.56060	13.02740	25.52360	4.63230	7.90090	0.0	0.0	12.53320
964.1270E00	9.2469	27.43317	13.02620	27.39618	5.33457	9.07240	0.0	0.0	14.40697
972.2800E00	9.2385	23.46795	13.02500	23.43096	3.87175	6.57120	0.0	0.0	10.44295
980.5370E00	9.2300	22.62807	13.02380	22.59108	3.56537	6.03890	0.0	0.0	9.60427
988.9000E00	9.2215	23.88363	13.02260	23.84664	4.03363	6.82740	0.0	0.0	10.86103
997.3700E00	9.2130	24.63071	13.02140	24.59373	4.31061	7.29870	0.0	0.0	11.60931
1.0000E 3	9.2103	24.94973	13.59093	24.91167	4.21580	7.14300	0.0	0.0	11.35880
1.0060E 3	9.2044	24.43384	13.57506	24.39583	4.02678	6.83200	0.0	0.0	10.85878
1.0150E 3	9.1955	25.30006	13.62133	25.26192	4.31973	7.35900	0.0	0.0	11.67873
1.0230E 3	9.1876	26.26240	13.67830	26.22410	4.64109	7.94300	0.0	0.0	12.58409
1.0320E 3	9.1788	24.38183	13.62336	24.34368	3.95146	6.80700	0.0	0.0	10.75846
1.0410E 3	9.1702	23.92497	13.62597	23.88682	3.76700	6.53200	0.0	0.0	10.29900
1.0510E 3	9.1606	23.17184	13.61844	23.13371	3.47540	6.07800	0.0	0.0	9.55340
1.0600E 3	9.1521	24.62722	13.71724	24.58881	3.94898	6.96100	0.0	0.0	10.90998
1.0690E 3	9.1436	27.05624	13.87896	27.01738	4.74328	8.43400	0.0	0.0	13.17728
1.0790E 3	9.1343	25.60538	13.83838	25.56664	4.21000	7.55700	0.0	0.0	11.76700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
924.8590E00	9.2885	0.0	0.0	13.26339	0.00284	2.43010	0.57500	1.54292	0.02082
932.5180E00	9.2802	0.0	0.0	15.17224	0.00284	2.43010	0.57860	1.53940	0.02091
940.2730E00	9.2719	0.0	0.0	14.32941	0.00284	2.43010	0.58170	1.53638	0.02099
948.1250E00	9.2636	0.0	0.0	11.45394	0.00284	2.43010	0.58440	1.53377	0.02108
956.0760E00	9.2553	0.0	0.0	12.53320	0.00284	2.43010	0.58630	1.53193	0.02117
964.1270E00	9.2469	0.0	0.0	14.40697	0.00284	2.43010	0.58800	1.53029	0.02126
972.2800E00	9.2385	0.0	0.0	10.44295	0.00284	2.43010	0.58920	1.52913	0.02135
980.5370E00	9.2300	0.0	0.0	9.60427	0.00284	2.43010	0.59040	1.52798	0.02144
988.9000E00	9.2215	0.0	0.0	10.86103	0.00284	2.43010	0.59080	1.52760	0.02153
997.3700E00	9.2130	0.0	0.0	11.60931	0.00284	2.43010	0.59060	1.52779	0.02162
1.0000E 3	9.2103	0.0	0.0	11.35880	0.00280	2.43010	0.59020	1.52817	0.02165
1.0060E 3	9.2044	0.0	0.0	10.85878	0.00280	2.43010	0.58940	1.52894	0.02171
1.0150E 3	9.1955	0.0	0.0	11.67873	0.00280	2.43010	0.58700	1.53125	0.02181
1.0230E 3	9.1876	0.0	0.0	12.58409	0.00280	2.43010	0.58430	1.53386	0.02190
1.0320E 3	9.1788	0.0	0.0	10.75846	0.00280	2.43010	0.58050	1.53755	0.02200
1.0410E 3	9.1702	0.0	0.0	10.29900	0.00280	2.43010	0.57670	1.54126	0.02209
1.0510E 3	9.1606	0.0	0.0	9.55340	0.00280	2.43010	0.57180	1.54606	0.02219
1.0600E 3	9.1521	0.0	0.0	10.90998	0.00280	2.43010	0.56730	1.55050	0.02229
1.0690E 3	9.1436	0.0	0.0	13.17728	0.00280	2.43010	0.56240	1.55536	0.02239
1.0790E 3	9.1343	0.0	0.0	11.76700	0.00280	2.43010	0.55710	1.56066	0.02248

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0880E 3	9.1260	29.29528	14.09499	29.25582	5.40629	9.79400	0.0	0.0	15.20029
1.0980E 3	9.1169	32.16194	14.32961	32.12181	6.29932	11.53300	0.0	0.0	17.83232
1.1080E 3	9.1078	25.99823	10.41290	25.96907	5.46433	10.12100	0.0	0.0	15.58533
1.1180E 3	9.0988	23.80715	10.61666	23.77742	4.58949	8.60100	0.0	0.0	13.19049
1.1280E 3	9.0899	24.51090	10.62559	24.48114	4.79330	9.09200	0.0	0.0	13.88530
1.1390E 3	9.0802	20.50033	10.90953	20.46978	3.28480	6.30600	0.0	0.0	9.59080
1.1490E 3	9.0714	24.29898	10.74331	24.26890	4.60567	8.95000	0.0	0.0	13.55567
1.1600E 3	9.0619	25.48175	10.73812	25.45168	4.96863	9.77500	0.0	0.0	14.74363
1.1710E 3	9.0525	24.50597	10.83927	24.47562	4.56770	9.09900	0.0	0.0	13.66670
1.1810E 3	9.0440	31.85588	10.59593	31.82622	7.04495	14.21500	0.0	0.0	21.25995
1.1930E 3	9.0339	27.41163	10.84168	27.38128	5.44395	11.12600	0.0	0.0	16.56995
1.2040E 3	9.0247	23.55103	11.17243	23.51974	4.03160	8.34700	0.0	0.0	12.37860
1.2150E 3	9.0156	22.42884	11.24958	22.39734	3.60626	7.57300	0.0	0.0	11.17926
1.2270E 3	9.0058	22.69947	11.29330	22.66785	3.64318	7.76300	0.0	0.0	11.40618
1.2380E 3	8.9968	23.69477	11.33079	23.66304	3.90998	8.45400	0.0	0.0	12.36398
1.2500E 3	8.9872	22.90567	11.39187	22.87377	3.60380	7.91000	0.0	0.0	11.51380
1.2620E 3	8.9776	23.33095	11.44065	23.29892	3.68330	8.20700	0.0	0.0	11.89030
1.2750E 3	8.9674	21.99365	11.49229	21.96147	3.21836	7.28300	0.0	0.0	10.50136
1.2870E 3	8.9580	22.25734	11.54002	22.22503	3.24933	7.46800	0.0	0.0	10.71733
1.3000E 3	8.9480	24.48032	12.38061	24.44565	3.62771	8.47200	0.0	0.0	12.09971

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0880E 3	9.1260	0.0	0.0	15.20029	0.00280	2.43010	0.55200	1.56579	0.02258
1.0980E 3	9.1169	0.0	0.0	17.83232	0.00280	2.43010	0.54620	1.57166	0.02269
1.1080E 3	9.1078	0.0	0.0	15.58533	0.00280	2.43010	0.53990	1.57809	0.02279
1.1180E 3	9.0988	0.0	0.0	13.19049	0.00280	2.43010	0.53360	1.58457	0.02289
1.1280E 3	9.0899	0.0	0.0	13.88530	0.00280	2.43010	0.52720	1.59121	0.02299
1.1390E 3	9.0802	0.0	0.0	9.59080	0.00280	2.43010	0.52090	1.59780	0.02310
1.1490E 3	9.0714	0.0	0.0	13.55567	0.00280	2.43010	0.51460	1.60445	0.02321
1.1600E 3	9.0619	0.0	0.0	14.74363	0.00280	2.43010	0.50830	1.61115	0.02331
1.1710E 3	9.0525	0.0	0.0	13.66670	0.00280	2.43010	0.50200	1.61791	0.02342
1.1810E 3	9.0440	0.0	0.0	21.25995	0.00280	2.43010	0.49560	1.62483	0.02353
1.1930E 3	9.0339	0.0	0.0	16.56995	0.00280	2.43010	0.48930	1.63171	0.02364
1.2040E 3	9.0247	0.0	0.0	12.37860	0.00280	2.43010	0.48300	1.63864	0.02375
1.2150E 3	9.0156	0.0	0.0	11.17926	0.00280	2.43010	0.47620	1.64619	0.02386
1.2270E 3	9.0058	0.0	0.0	11.40618	0.00280	2.43010	0.46930	1.65392	0.02397
1.2380E 3	8.9968	0.0	0.0	12.36398	0.00280	2.43010	0.46250	1.66161	0.02409
1.2500E 3	8.9872	0.0	0.0	11.51380	0.00280	2.43010	0.45560	1.66948	0.02420
1.2620E 3	8.9776	0.0	0.0	11.89030	0.00280	2.43010	0.44880	1.67732	0.02432
1.2750E 3	8.9674	0.0	0.0	10.50136	0.00280	2.43010	0.44190	1.68535	0.02444
1.2870E 3	8.9580	0.0	0.0	10.71733	0.00280	2.43010	0.43510	1.69333	0.02455
1.3000E 3	8.9480	0.0	0.0	12.09971	0.00280	2.43010	0.42820	1.70151	0.02467

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.3120E 3	8.9388	22.71220	12.33482	22.67766	3.08938	7.28800	0.0	0.0	10.37738
1.3250E 3	8.9289	24.66768	12.46518	24.63278	3.59950	8.60300	0.0	0.0	12.20250
1.3380E 3	8.9192	21.71501	12.35406	21.68042	2.73795	6.62300	0.0	0.0	9.36095
1.3520E 3	8.9088	25.57273	12.59156	25.53747	3.76617	9.21500	0.0	0.0	12.98117
1.3650E 3	8.8992	24.63082	12.57662	24.59561	3.46920	8.58500	0.0	0.0	12.05420
1.3790E 3	8.8890	24.49261	12.61365	24.45729	3.39096	8.48800	0.0	0.0	11.87896
1.3930E 3	8.8789	24.34620	12.63601	24.31082	3.31820	8.39200	0.0	0.0	11.71020
1.4070E 3	8.8689	22.40036	9.90240	22.37263	3.51696	8.98100	0.0	0.0	12.49796
1.4220E 3	8.8583	20.39977	10.03152	20.37168	2.89725	7.47100	0.0	0.0	10.36825
1.4360E 3	8.8485	20.34610	10.05734	20.31794	2.85576	7.43300	0.0	0.0	10.28876
1.4510E 3	8.8381	21.59157	10.02545	21.56350	3.18912	8.37700	0.0	0.0	11.56612
1.4660E 3	8.8278	22.82522	9.99656	22.79723	3.51566	9.31300	0.0	0.0	12.82866
1.4810E 3	8.8176	21.67527	10.06624	21.64708	3.16303	8.44600	0.0	0.0	11.60903
1.4970E 3	8.8069	18.65392	10.20274	18.62536	2.28918	6.16200	0.0	0.0	8.45118
1.5130E 3	8.7962	19.07698	12.49354	19.04200	1.77345	4.81000	0.0	0.0	6.58345
1.5290E 3	8.7857	20.77093	12.64869	20.73551	2.17624	5.94600	0.0	0.0	8.12224
1.5450E 3	8.7753	19.22312	12.52462	19.18805	1.78649	4.91200	0.0	0.0	6.69849
1.5620E 3	8.7644	21.63746	12.74550	21.60177	2.36096	6.53100	0.0	0.0	8.89196
1.5790E 3	8.7535	22.24773	12.81355	22.21185	2.49218	6.94200	0.0	0.0	9.43418
1.5960E 3	8.7428	24.24939	13.00529	24.21298	2.95810	8.28600	0.0	0.0	11.24410

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.3120E 3	8.9388	0.0	0.0	10.37738	0.00280	2.43010	0.42390	1.70665	0.02480
1.3250E 3	8.9289	0.0	0.0	12.20250	0.00280	2.43010	0.41840	1.71327	0.02492
1.3380E 3	8.9192	0.0	0.0	9.36095	0.00280	2.43010	0.41340	1.71933	0.02504
1.3520E 3	8.9088	0.0	0.0	12.98117	0.00280	2.43010	0.40870	1.72507	0.02516
1.3650E 3	8.8992	0.0	0.0	12.05420	0.00280	2.43010	0.40410	1.73072	0.02529
1.3790E 3	8.8890	0.0	0.0	11.87896	0.00280	2.43010	0.39950	1.73641	0.02542
1.3930E 3	8.8789	0.0	0.0	11.71020	0.00280	2.43010	0.39540	1.74151	0.02555
1.4070E 3	8.8689	0.0	0.0	12.49796	0.00280	2.43010	0.39160	1.74626	0.02567
1.4220E 3	8.8583	0.0	0.0	10.36825	0.00280	2.43020	0.38780	1.75112	0.02581
1.4360E 3	8.8485	0.0	0.0	10.28876	0.00280	2.43020	0.38420	1.75567	0.02594
1.4510E 3	8.8381	0.0	0.0	11.56612	0.00280	2.43020	0.38070	1.76012	0.02607
1.4660E 3	8.8278	0.0	0.0	12.82866	0.00280	2.43020	0.37750	1.76421	0.02621
1.4810E 3	8.8176	0.0	0.0	11.60903	0.00280	2.43020	0.37450	1.76806	0.02634
1.4970E 3	8.8069	0.0	0.0	8.45118	0.00280	2.43020	0.37150	1.77193	0.02648
1.5130E 3	8.7962	0.0	0.0	6.58345	0.00280	2.43020	0.36870	1.77555	0.02662
1.5290E 3	8.7857	0.0	0.0	8.12224	0.00280	2.43020	0.36600	1.77906	0.02676
1.5450E 3	8.7753	0.0	0.0	6.69849	0.00280	2.43020	0.36370	1.78206	0.02690
1.5620E 3	8.7644	0.0	0.0	8.89196	0.00280	2.43020	0.36150	1.78494	0.02705
1.5790E 3	8.7535	0.0	0.0	9.43418	0.00280	2.43020	0.35900	1.78823	0.02719
1.5960E 3	8.7428	0.0	0.0	11.24410	0.00280	2.43020	0.35700	1.79086	0.02734

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.6130E 3	8.7322	22.04666	12.54269	22.01154	2.48997	7.01400	0.0	0.0	9.50397
1.6310E 3	8.7211	22.70560	12.60457	22.67031	2.63703	7.46400	0.0	0.0	10.10103
1.6490E 3	8.7102	20.14496	12.40321	20.11024	2.01476	5.72700	0.0	0.0	7.74176
1.6670E 3	8.6993	22.38171	12.59131	22.34646	2.54040	7.25000	0.0	0.0	9.79040
1.6860E 3	8.6880	22.06798	12.57096	22.03278	2.45802	7.03900	0.0	0.0	9.49702
1.7040E 3	8.6774	21.82763	11.54086	21.79531	2.65677	7.63000	0.0	0.0	10.28677
1.7240E 3	8.6657	22.43838	11.56701	22.40599	2.80236	8.06900	0.0	0.0	10.87136
1.7430E 3	8.6547	20.59452	11.49891	20.56233	2.34161	6.75400	0.0	0.0	9.09561
1.7630E 3	8.6433	21.06902	11.51432	21.03678	2.45769	7.09700	0.0	0.0	9.55469
1.7830E 3	8.6320	20.41284	11.48752	20.38068	2.29433	6.63100	0.0	0.0	8.92533
1.8040E 3	8.6203	21.28763	11.40138	21.25571	2.54025	7.34600	0.0	0.0	9.88625
1.8250E 3	8.6088	20.11732	11.35950	20.08551	2.24982	6.50800	0.0	0.0	8.75782
1.8460E 3	8.5973	18.73369	11.31026	18.70202	1.90743	5.51600	0.0	0.0	7.42343
1.8680E 3	8.5855	21.35777	11.39138	21.32588	2.56139	7.40500	0.0	0.0	9.96639
1.8900E 3	8.5738	20.36522	11.35375	20.33342	2.31746	6.69400	0.0	0.0	9.01146
1.9120E 3	8.5622	20.88035	13.79671	20.84172	1.82364	5.26000	0.0	0.0	7.08364
1.9350E 3	8.5502	22.69456	14.05766	22.65520	2.22590	6.41100	0.0	0.0	8.63690
1.9580E 3	8.5384	24.16363	14.26685	24.12368	2.55277	7.34400	0.0	0.0	9.89677
1.9820E 3	8.5262	24.62237	14.32693	24.58225	2.65844	7.63700	0.0	0.0	10.29544
2.0060E 3	8.5142	22.19474	12.25826	22.16042	2.56848	7.36800	0.0	0.0	9.93648

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.6130E 3	8.7322	0.0	0.0	9.50397	0.00280	2.43020	0.35500	1.79351	0.02749
1.6310E 3	8.7211	0.0	0.0	10.10103	0.00280	2.43020	0.35330	1.79576	0.02763
1.6490E 3	8.7102	0.0	0.0	7.74176	0.00280	2.43020	0.35180	1.79775	0.02779
1.6670E 3	8.6993	0.0	0.0	9.79040	0.00280	2.43020	0.35040	1.79961	0.02794
1.6860E 3	8.6880	0.0	0.0	9.49702	0.00280	2.43020	0.34920	1.80122	0.02809
1.7040E 3	8.6774	0.0	0.0	10.28677	0.00280	2.43020	0.34820	1.80255	0.02825
1.7240E 3	8.6657	0.0	0.0	10.87136	0.00280	2.43020	0.34730	1.80376	0.02841
1.7430E 3	8.6547	0.0	0.0	9.09561	0.00280	2.43020	0.34670	1.80456	0.02857
1.7630E 3	8.6433	0.0	0.0	9.55469	0.00280	2.43020	0.34630	1.80510	0.02873
1.7830E 3	8.6320	0.0	0.0	8.92533	0.00280	2.43020	0.34600	1.80550	0.02890
1.8040E 3	8.6203	0.0	0.0	9.88625	0.00280	2.43020	0.34580	1.80577	0.02906
1.8250E 3	8.6088	0.0	0.0	8.75782	0.00280	2.43020	0.34570	1.80590	0.02923
1.8460E 3	8.5973	0.0	0.0	7.42343	0.00280	2.43020	0.34580	1.80577	0.02940
1.8680E 3	8.5855	0.0	0.0	9.96639	0.00280	2.43020	0.34590	1.80563	0.02957
1.8900E 3	8.5738	0.0	0.0	9.01146	0.00280	2.43020	0.34620	1.80523	0.02974
1.9120E 3	8.5622	0.0	0.0	7.08364	0.00280	2.43020	0.34670	1.80456	0.02992
1.9350E 3	8.5502	0.0	0.0	8.63690	0.00280	2.43020	0.34720	1.80389	0.03010
1.9580E 3	8.5384	0.0	0.0	9.89677	0.00280	2.43020	0.34760	1.80335	0.03028
1.9820E 3	8.5262	0.0	0.0	10.29544	0.00280	2.43020	0.34810	1.80269	0.03046
2.0060E 3	8.5142	0.0	0.0	9.93648	0.00280	2.43020	0.34860	1.80202	0.03064

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.0300E 3	8.5023	21.12859	12.17665	21.09450	2.31694	6.63500	0.0	0.0	8.95194
2.0550E 3	8.4901	19.08547	12.03007	19.05179	1.82840	5.22700	0.0	0.0	7.05540
2.0810E 3	8.4775	19.19470	12.02976	19.16101	1.85993	5.30500	0.0	0.0	7.16493
2.1070E 3	8.4651	19.61554	12.04905	19.58181	1.96749	5.59900	0.0	0.0	7.56649
2.1330E 3	8.4528	20.40814	12.09039	20.37429	2.16875	6.14900	0.0	0.0	8.31775
2.1600E 3	8.4402	18.69769	11.96831	18.66418	1.75938	4.97000	0.0	0.0	6.72938
2.1880E 3	8.4274	20.22577	12.05407	20.19202	2.14271	6.02900	0.0	0.0	8.17171
2.2160E 3	8.4146	19.73579	12.00903	19.70216	2.03276	5.69400	0.0	0.0	7.72676
2.2440E 3	8.4021	21.08250	12.07836	21.04868	2.37614	6.62800	0.0	0.0	9.00414
2.2730E 3	8.3892	21.53341	12.09023	21.49956	2.50017	6.94300	0.0	0.0	9.44317
2.3030E 3	8.3761	20.25884	11.99967	20.22524	2.19517	6.06400	0.0	0.0	8.25917
2.3330E 3	8.3632	20.49632	11.99649	20.46273	2.26782	6.23200	0.0	0.0	8.49982
2.3640E 3	8.3500	20.07647	11.95816	20.04299	2.17432	5.94400	0.0	0.0	8.11832
2.3950E 3	8.3370	20.13359	11.94397	20.10014	2.20262	5.98700	0.0	0.0	8.18962
2.4270E 3	8.3237	19.01834	11.87001	18.98510	1.93133	5.21700	0.0	0.0	7.14833
2.4600E 3	8.3102	18.49729	11.82734	18.46417	1.81095	4.85900	0.0	0.0	6.66995
2.4930E 3	8.2969	21.36607	11.94664	21.33262	2.57043	6.84900	0.0	0.0	9.41943
2.5270E 3	8.2833	19.83098	11.85374	19.79779	2.18824	5.78900	0.0	0.0	7.97724
2.5620E 3	8.2696	19.39710	11.80496	19.36405	2.10014	5.49200	0.0	0.0	7.59214
2.5970E 3	8.2560	20.58349	11.82232	20.55039	2.44317	6.31800	0.0	0.0	8.76117

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.0300E 3	8.5023	0.0	0.0	8.95194	0.00280	2.43020	0.34920	1.80122	0.03083
2.0550E 3	8.4901	0.0	0.0	7.05540	0.00280	2.43020	0.34980	1.80041	0.03102
2.0810E 3	8.4775	0.0	0.0	7.16493	0.00280	2.43020	0.35060	1.79935	0.03121
2.1070E 3	8.4651	0.0	0.0	7.56649	0.00280	2.43020	0.35140	1.79828	0.03140
2.1330E 3	8.4528	0.0	0.0	8.31775	0.00280	2.43020	0.35270	1.79656	0.03160
2.1600E 3	8.4402	0.0	0.0	6.72938	0.00280	2.43020	0.35400	1.79483	0.03180
2.1880E 3	8.4274	0.0	0.0	8.17171	0.00280	2.43020	0.35540	1.79298	0.03200
2.2160E 3	8.4146	0.0	0.0	7.72676	0.00280	2.43020	0.35700	1.79086	0.03220
2.2440E 3	8.4021	0.0	0.0	9.00414	0.00280	2.43020	0.35850	1.78888	0.03240
2.2730E 3	8.3892	0.0	0.0	9.44317	0.00280	2.43020	0.36010	1.78678	0.03261
2.3030E 3	8.3761	0.0	0.0	8.25917	0.00280	2.43020	0.36200	1.78429	0.03282
2.3330E 3	8.3632	0.0	0.0	8.49982	0.00280	2.43020	0.36390	1.78180	0.03304
2.3640E 3	8.3500	0.0	0.0	8.11832	0.00280	2.43030	0.36580	1.77940	0.03326
2.3950E 3	8.3370	0.0	0.0	8.18962	0.00280	2.43030	0.36790	1.77666	0.03347
2.4270E 3	8.3237	0.0	0.0	7.14833	0.00280	2.43030	0.37020	1.77368	0.03370
2.4600E 3	8.3102	0.0	0.0	6.66995	0.00280	2.43030	0.37270	1.77045	0.03392
2.4930E 3	8.2969	0.0	0.0	9.41943	0.00280	2.43030	0.37530	1.76711	0.03415
2.5270E 3	8.2833	0.0	0.0	7.97724	0.00280	2.43030	0.37800	1.76364	0.03438
2.5620E 3	8.2696	0.0	0.0	7.59214	0.00280	2.43030	0.38240	1.75803	0.03462
2.5970E 3	8.2560	0.0	0.0	8.76117	0.00280	2.43030	0.38670	1.75258	0.03486

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.6340E 3	8.2418	21.49934	11.82355	21.46624	2.71980	6.95600	0.0	0.0	9.67580
2.6710E 3	8.2279	19.94621	11.73178	19.91336	2.33143	5.88300	0.0	0.0	8.21443
2.7080E 3	8.2141	18.99529	11.66965	18.96262	2.09864	5.22700	0.0	0.0	7.32564
2.7470E 3	8.1998	18.52434	11.62294	18.49180	1.99740	4.90400	0.0	0.0	6.90140
2.7860E 3	8.1857	18.03335	11.58342	18.00092	1.88393	4.56600	0.0	0.0	6.44993
2.8270E 3	8.1711	19.87807	11.58219	19.84564	2.44589	5.85000	0.0	0.0	8.29589
2.8680E 3	8.1567	18.57545	11.52807	18.54317	2.09838	4.94900	0.0	0.0	7.04738
2.9100E 3	8.1422	19.10652	11.49855	19.07432	2.28697	5.32100	0.0	0.0	7.60797
2.9530E 3	8.1275	19.89310	11.46704	19.86100	2.55506	5.87100	0.0	0.0	8.42606
2.9970E 3	8.1127	18.88006	11.42337	18.84807	2.28669	5.17000	0.0	0.0	7.45669
3.0410E 3	8.0982	18.01271	11.75925	17.97978	1.93745	4.31600	0.0	0.0	6.25345
3.0870E 3	8.0831	19.83535	11.73854	19.80249	2.53582	5.56100	0.0	0.0	8.09682
3.1340E 3	8.0680	19.82001	11.68860	19.78728	2.57641	5.55500	0.0	0.0	8.13141
3.1820E 3	8.0528	19.62261	11.63902	19.59002	2.55959	5.42400	0.0	0.0	7.98359
3.2310E 3	8.0375	19.01608	11.60439	18.98359	2.39769	5.01400	0.0	0.0	7.41169
3.2820E 3	8.0219	18.72356	11.57943	18.69114	2.32613	4.81800	0.0	0.0	7.14413
3.3330E 3	8.0065	18.89232	11.56039	18.85995	2.39593	4.93600	0.0	0.0	7.33193
3.3860E 3	7.9907	19.86195	11.53233	19.82966	2.72761	5.60200	0.0	0.0	8.32961
3.4400E 3	7.9749	18.68981	11.53935	18.65750	2.34246	4.80800	0.0	0.0	7.15046
3.4950E 3	7.9590	18.53332	11.54897	18.50098	2.28235	4.70200	0.0	0.0	6.98435

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.6340E 3	8.2418	0.0	0.0	9.67580	0.00280	2.43030	0.39100	1.74716	0.03510
2.6710E 3	8.2279	0.0	0.0	8.21443	0.00280	2.43030	0.39630	1.74053	0.03534
2.7080E 3	8.2141	0.0	0.0	7.32564	0.00280	2.43030	0.40150	1.73407	0.03559
2.7470E 3	8.1998	0.0	0.0	6.90140	0.00280	2.43030	0.40730	1.72692	0.03584
2.7860E 3	8.1857	0.0	0.0	6.44993	0.00280	2.43030	0.41260	1.72044	0.03610
2.8270E 3	8.1711	0.0	0.0	8.29589	0.00280	2.43030	0.41810	1.71377	0.03635
2.8680E 3	8.1567	0.0	0.0	7.04738	0.00280	2.43030	0.42400	1.70667	0.03662
2.9100E 3	8.1422	0.0	0.0	7.60797	0.00280	2.43030	0.42980	1.69975	0.03688
2.9530E 3	8.1275	0.0	0.0	8.42606	0.00280	2.43030	0.43520	1.69335	0.03715
2.9970E 3	8.1127	0.0	0.0	7.45669	0.00280	2.43030	0.44230	1.68502	0.03743
3.0410E 3	8.0982	0.0	0.0	6.25345	0.00280	2.43030	0.44890	1.67734	0.03771
3.0870E 3	8.0831	0.0	0.0	8.09682	0.00280	2.43030	0.45600	1.66916	0.03799
3.1340E 3	8.0680	0.0	0.0	8.13141	0.00280	2.43030	0.46380	1.66027	0.03827
3.1820E 3	8.0528	0.0	0.0	7.98359	0.00280	2.43030	0.47190	1.65113	0.03857
3.2310E 3	8.0375	0.0	0.0	7.41169	0.00280	2.43030	0.47820	1.64409	0.03886
3.2820E 3	8.0219	0.0	0.0	7.14413	0.00280	2.43030	0.48280	1.63899	0.03916
3.3330E 3	8.0065	0.0	0.0	7.33193	0.00280	2.43040	0.48540	1.63619	0.03947
3.3860E 3	7.9907	0.0	0.0	8.32961	0.00280	2.43040	0.48690	1.63454	0.03977
3.4400E 3	7.9749	0.0	0.0	7.15046	0.00280	2.43040	0.48720	1.63421	0.04009
3.4950E 3	7.9590	0.0	0.0	6.98435	0.00280	2.43040	0.48540	1.63619	0.04041

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.5520E 3	7.9428	17.46550	11.56881	17.43311	1.91970	3.97700	0.0	0.0	5.89670
3.6100E 3	7.9266	18.26636	11.56821	18.23397	2.17115	4.52700	0.0	0.0	6.69815
3.6690E 3	7.9104	19.51215	11.56993	19.47975	2.56022	5.38200	0.0	0.0	7.94222
3.7300E 3	7.8939	18.33898	11.59353	18.30652	2.16045	4.58500	0.0	0.0	6.74545
3.7930E 3	7.8772	18.15897	11.61047	18.12646	2.08250	4.46600	0.0	0.0	6.54850
3.8570E 3	7.8605	18.17022	11.63246	18.13765	2.06076	4.47700	0.0	0.0	6.53776
3.9220E 3	7.8437	19.11325	11.65902	19.08060	2.32823	5.12600	0.0	0.0	7.45423
3.9890E 3	7.8268	18.83505	11.68835	18.80232	2.20670	4.94000	0.0	0.0	7.14670
4.0590E 3	7.8094	17.91275	11.63775	17.88016	1.91100	4.36400	0.0	0.0	6.27500
4.1290E 3	7.7923	18.59927	11.68194	18.56656	2.07733	4.84000	0.0	0.0	6.91733
4.2020E 3	7.7748	17.99220	11.70364	17.95943	1.86155	4.42700	0.0	0.0	6.28855
4.2770E 3	7.7571	17.90664	11.73721	17.87377	1.79643	4.37300	0.0	0.0	6.16943
4.3540E 3	7.7392	18.78160	11.80154	18.74855	2.00106	4.97900	0.0	0.0	6.98006
4.4320E 3	7.7215	18.39250	11.82877	18.35938	1.84773	4.71600	0.0	0.0	6.56373
4.5130E 3	7.7034	18.10933	11.85262	18.07615	1.73172	4.52500	0.0	0.0	6.25672
4.5970E 3	7.6849	19.15643	11.94419	19.12299	1.96125	5.25100	0.0	0.0	7.21225
4.6820E 3	7.6666	18.31611	11.92966	18.28270	1.70944	4.67700	0.0	0.0	6.38644
4.7700E 3	7.6480	17.57458	11.91547	17.54122	1.48911	4.17000	0.0	0.0	5.65911
4.8600E 3	7.6293	17.49207	11.93865	17.45865	1.43642	4.11700	0.0	0.0	5.55342
4.9530E 3	7.6103	16.81064	11.91222	16.77729	1.24643	3.65200	0.0	0.0	4.89843

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.5520E 3	7.9428	0.0	0.0	5.89670	0.00280	2.43040	0.48270	1.63917	0.04073
3.6100E 3	7.9266	0.0	0.0	6.69815	0.00280	2.43040	0.47960	1.64261	0.04106
3.6690E 3	7.9104	0.0	0.0	7.94222	0.00280	2.43040	0.47570	1.64695	0.04140
3.7300E 3	7.8939	0.0	0.0	6.74545	0.00280	2.43040	0.47120	1.65198	0.04174
3.7930E 3	7.8772	0.0	0.0	6.54850	0.00280	2.43040	0.46630	1.65751	0.04208
3.8570E 3	7.8605	0.0	0.0	6.53776	0.00280	2.43040	0.46030	1.66432	0.04244
3.9220E 3	7.8437	0.0	0.0	7.45423	0.00280	2.43040	0.45420	1.67130	0.04279
3.9890E 3	7.8268	0.0	0.0	7.14670	0.00280	2.43040	0.44670	1.67996	0.04316
4.0590E 3	7.8094	0.0	0.0	6.27500	0.00280	2.43040	0.43790	1.69024	0.04353
4.1290E 3	7.7923	0.0	0.0	6.91733	0.00280	2.43040	0.42920	1.70053	0.04390
4.2020E 3	7.7748	0.0	0.0	6.28855	0.00280	2.43040	0.42050	1.71095	0.04429
4.2770E 3	7.7571	0.0	0.0	6.16943	0.00280	2.43050	0.41080	1.72278	0.04468
4.3540E 3	7.7392	0.0	0.0	6.98006	0.00280	2.43050	0.40190	1.73372	0.04507
4.4320E 3	7.7215	0.0	0.0	6.56373	0.00280	2.43050	0.39180	1.74630	0.04548
4.5130E 3	7.7034	0.0	0.0	6.25672	0.00280	2.43050	0.38270	1.75779	0.04589
4.5970E 3	7.6849	0.0	0.0	7.21225	0.00280	2.43050	0.37350	1.76957	0.04631
4.6820E 3	7.6666	0.0	0.0	6.38644	0.00280	2.43050	0.36550	1.77993	0.04673
4.7700E 3	7.6480	0.0	0.0	5.65911	0.00280	2.43050	0.35710	1.79095	0.04717
4.8600E 3	7.6293	0.0	0.0	5.55342	0.00280	2.43050	0.34890	1.80184	0.04761
4.9530E 3	7.6103	0.0	0.0	4.89843	0.00280	2.43050	0.34130	1.81205	0.04806

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.0490E 3	7.5912	17.25000	11.67764	17.21730	1.39236	4.18000	0.0	0.0	5.57236
5.1480E 3	7.5717	16.90700	11.67410	16.87431	1.28890	3.94400	0.0	0.0	5.23290
5.2490E 3	7.5523	17.67100	11.74275	17.63812	1.44225	4.48600	0.0	0.0	5.92825
5.3540E 3	7.5325	16.35700	11.65819	16.32436	1.13181	3.56700	0.0	0.0	4.69881
5.4610E 3	7.5127	17.07000	11.71930	17.03719	1.27770	4.07300	0.0	0.0	5.35070
5.5720E 3	7.4926	16.90900	11.70970	16.87621	1.23430	3.96500	0.0	0.0	5.19930
5.6860E 3	7.4723	17.09100	11.72385	17.05817	1.26915	4.09800	0.0	0.0	5.36715
5.8040E 3	7.4518	19.65200	11.92092	19.61862	1.82408	5.90700	0.0	0.0	7.73108
5.9260E 3	7.4310	17.14200	11.72082	17.10918	1.27718	4.14400	0.0	0.0	5.42118
6.0510E 3	7.4101	16.27500	11.33207	16.24327	1.16393	3.77900	0.0	0.0	4.94293
6.1810E 3	7.3889	15.75301	11.29335	15.72138	1.05065	3.40900	0.0	0.0	4.45965
6.3140E 3	7.3676	16.30732	11.31725	16.27563	1.17707	3.81300	0.0	0.0	4.99007
6.4520E 3	7.3460	15.77553	11.27609	15.74396	1.06344	3.43600	0.0	0.0	4.49944
6.5950E 3	7.3240	15.88914	11.26722	15.85759	1.09992	3.52200	0.0	0.0	4.62192
6.7420E 3	7.3020	17.77049	11.33289	17.73875	1.55360	4.88400	0.0	0.0	6.43760
6.8950E 3	7.2795	16.08403	11.21583	16.05262	1.19519	3.67300	0.0	0.0	4.86819
7.0520E 3	7.2570	16.62214	11.97514	16.58861	1.15800	3.48900	0.0	0.0	4.64700
7.2150E 3	7.2342	16.88247	11.96947	16.84896	1.24000	3.67300	0.0	0.0	4.91300
7.3840E 3	7.2110	17.13457	11.96249	17.10108	1.32008	3.85200	0.0	0.0	5.17208
7.5590E 3	7.1876	16.47500	11.88880	16.44171	1.18119	3.40500	0.0	0.0	4.58619

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.0490E 3	7.5912	0.0	0.0	5.57236	0.00280	2.43050	0.33310	1.82319	0.04852
5.1480E 3	7.5717	0.0	0.0	5.23290	0.00280	2.43050	0.32680	1.83185	0.04899
5.2490E 3	7.5523	0.0	0.0	5.92825	0.00280	2.43060	0.32150	1.83927	0.04946
5.3540E 3	7.5325	0.0	0.0	4.69881	0.00280	2.43060	0.31730	1.84514	0.04995
5.4610E 3	7.5127	0.0	0.0	5.35070	0.00280	2.43060	0.31370	1.85019	0.05045
5.5720E 3	7.4926	0.0	0.0	5.19930	0.00280	2.43060	0.31130	1.85358	0.05095
5.6860E 3	7.4723	0.0	0.0	5.36715	0.00280	2.43060	0.30970	1.85584	0.05147
5.8040E 3	7.4518	0.0	0.0	7.73108	0.00280	2.43060	0.30880	1.85712	0.05199
5.9260E 3	7.4310	0.0	0.0	5.42118	0.00280	2.43060	0.30820	1.85797	0.05253
6.0510E 3	7.4101	0.0	0.0	4.94293	0.00280	2.43060	0.30800	1.85826	0.05308
6.1810E 3	7.3889	0.0	0.0	4.45965	0.00280	2.43070	0.30820	1.85805	0.05364
6.3140E 3	7.3676	0.0	0.0	4.99007	0.00280	2.43070	0.30870	1.85734	0.05421
6.4520E 3	7.3460	0.0	0.0	4.49944	0.00280	2.43070	0.30950	1.85620	0.05480
6.5950E 3	7.3240	0.0	0.0	4.62192	0.00280	2.43070	0.31230	1.85224	0.05539
6.7420E 3	7.3020	0.0	0.0	6.43760	0.00280	2.43070	0.31810	1.84409	0.05600
6.8950E 3	7.2795	0.0	0.0	4.86819	0.00280	2.43070	0.32540	1.83394	0.05663
7.0520E 3	7.2570	0.0	0.0	4.64700	0.00280	2.43070	0.33190	1.82499	0.05726
7.2150E 3	7.2342	0.0	0.0	4.91300	0.00280	2.43080	0.33760	1.81728	0.05792
7.3840E 3	7.2110	0.0	0.0	5.17208	0.00280	2.43080	0.34270	1.81038	0.05858
7.5590E 3	7.1876	0.0	0.0	4.58619	0.00280	2.43080	0.34690	1.80474	0.05927

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.7400E 3	7.1639	16.72298	11.88613	16.68970	1.25586	3.58100	0.0	0.0	4.83686
7.9270E 3	7.1401	16.29287	11.83718	16.25972	1.16468	3.29100	0.0	0.0	4.45568
8.1220E 3	7.1158	17.81653	12.38119	17.78186	1.42934	4.00600	0.0	0.0	5.43534
8.3240E 3	7.0912	16.88210	12.27815	16.84772	1.21695	3.38700	0.0	0.0	4.60395
8.5330E 3	7.0664	16.90750	12.26342	16.87316	1.23408	3.41000	0.0	0.0	4.64408
8.7510E 3	7.0412	16.65987	12.22590	16.62564	1.18398	3.25000	0.0	0.0	4.43398
8.9760E 3	7.0158	17.10751	12.24616	17.07322	1.30435	3.55700	0.0	0.0	4.86135
9.2110E 3	6.9899	16.70352	11.82506	16.67041	1.31546	3.56300	0.0	0.0	4.87846
9.4550E 3	6.9638	16.19309	11.77888	16.16011	1.19521	3.21900	0.0	0.0	4.41421
9.7090E 3	6.9373	16.40078	11.77480	16.36781	1.25697	3.36900	0.0	0.0	4.62597
9.9730E 3	6.9105	16.58883	11.77226	16.55587	1.31157	3.50500	0.0	0.0	4.81657
10.2480E 3	6.8833	16.33634	11.71839	16.30353	1.25895	3.35900	0.0	0.0	4.61795
10.5350E 3	6.8556	16.13213	11.70065	16.09937	1.20647	3.22500	0.0	0.0	4.43147
10.8340E 3	6.8277	15.79280	11.67594	15.76010	1.11885	2.99800	0.0	0.0	4.11685
11.1450E 3	6.7993	16.25383	11.69093	16.22110	1.23790	3.32500	0.0	0.0	4.56290
11.4710E 3	6.7705	15.90522	11.66684	15.87255	1.14738	3.09100	0.0	0.0	4.23838
11.8110E 3	6.7413	15.52257	11.63999	15.48998	1.04858	2.83400	0.0	0.0	3.88258
12.1660E 3	6.7117	15.75360	11.64643	15.72099	1.10617	3.00100	0.0	0.0	4.10717
12.5370E 3	6.6817	15.62468	11.63245	15.59211	1.07222	2.92000	0.0	0.0	3.99222
12.9260E 3	6.6511	15.57414	11.61978	15.54160	1.06036	2.89400	0.0	0.0	3.95436

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.7400E 3	7.1639	0.0	0.0	4.83686	0.00280	2.43080	0.35070	1.79966	0.05996
7.9270E 3	7.1401	0.0	0.0	4.45568	0.00280	2.43080	0.35390	1.79541	0.06068
8.1220E 3	7.1158	0.0	0.0	5.43534	0.00280	2.43090	0.35680	1.79164	0.06141
8.3240E 3	7.0912	0.0	0.0	4.60395	0.00280	2.43090	0.35930	1.78835	0.06216
8.5330E 3	7.0664	0.0	0.0	4.64408	0.00280	2.43090	0.36190	1.78493	0.06293
8.7510E 3	7.0412	0.0	0.0	4.43398	0.00280	2.43090	0.36430	1.78179	0.06372
8.9760E 3	7.0158	0.0	0.0	4.86135	0.00280	2.43100	0.36670	1.77874	0.06452
9.2110E 3	6.9899	0.0	0.0	4.87846	0.00280	2.43100	0.36920	1.77549	0.06535
9.4550E 3	6.9638	0.0	0.0	4.41421	0.00280	2.43100	0.37130	1.77277	0.06620
9.7090E 3	6.9373	0.0	0.0	4.62597	0.00280	2.43100	0.37310	1.77045	0.06707
9.9730E 3	6.9105	0.0	0.0	4.81657	0.00280	2.43110	0.37420	1.76910	0.06797
10.2480E 3	6.8833	0.0	0.0	4.61795	0.00280	2.43110	0.37480	1.76833	0.06889
10.5350E 3	6.8556	0.0	0.0	4.43147	0.00280	2.43110	0.37410	1.76923	0.06983
10.8340E 3	6.8277	0.0	0.0	4.11685	0.00280	2.43110	0.37320	1.77039	0.07080
11.1450E 3	6.7993	0.0	0.0	4.56290	0.00280	2.43120	0.37230	1.77162	0.07180
11.4710E 3	6.7705	0.0	0.0	4.23838	0.00280	2.43120	0.37120	1.77305	0.07282
11.8110E 3	6.7413	0.0	0.0	3.88258	0.00280	2.43130	0.37000	1.77467	0.07388
12.1660E 3	6.7117	0.0	0.0	4.10717	0.00280	2.43130	0.36860	1.77649	0.07496
12.5370E 3	6.6817	0.0	0.0	3.99222	0.00280	2.43130	0.36720	1.77831	0.07608
12.9260E 3	6.6511	0.0	0.0	3.95436	0.00280	2.43140	0.36640	1.77942	0.07723

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.3330E 3	6.6201	15.32764	11.59682	15.29516	0.99882	2.73200	0.0	0.0	3.73082
13.7600E 3	6.5886	15.71544	11.60876	15.68294	1.09768	3.00900	0.0	0.0	4.10668
14.2070E 3	6.5566	15.33176	11.57748	15.29934	1.00228	2.75200	0.0	0.0	3.75428
14.6770E 3	6.5241	15.55248	11.57895	15.52006	1.05953	2.91400	0.0	0.0	3.97353
15.1700E 3	6.4910	15.48131	11.56376	15.44894	1.04355	2.87400	0.0	0.0	3.91755
15.6890E 3	6.4574	15.24925	11.53998	15.21694	0.98727	2.72200	0.0	0.0	3.70927
16.2340E 3	6.4232	15.18118	11.52423	15.14891	0.97295	2.68400	0.0	0.0	3.65695
16.8090E 3	6.3884	15.02131	11.50113	14.98911	0.93618	2.58400	0.0	0.0	3.52018
17.4150E 3	6.3530	15.14301	11.49395	15.11083	0.97007	2.67900	0.0	0.0	3.64907
18.0540E 3	6.3170	14.90270	11.46662	14.87059	0.91307	2.52300	0.0	0.0	3.43607
18.7280E 3	6.2803	14.74696	11.44347	14.71492	0.87748	2.42600	0.0	0.0	3.30348
19.4420E 3	6.2429	14.93364	11.43731	14.90162	0.92833	2.56800	0.0	0.0	3.49633
20.1970E 3	6.2048	14.81709	11.41656	14.78513	0.90253	2.49800	0.0	0.0	3.40053
20.9970E 3	6.1660	14.84081	11.40242	14.80889	0.91239	2.52600	0.0	0.0	3.43839
25.0000E 3	5.9915	14.46800	11.27020	14.43644	0.84680	2.34700	0.0	0.0	3.19380
30.0000E 3	5.8091	14.18200	11.09053	14.15095	0.81247	2.26000	0.0	0.0	3.07247
35.0000E 3	5.6550	13.90700	10.92537	13.87532	0.77864	2.17800	0.0	0.0	2.95664
40.0000E 3	5.5215	13.66700	10.79707	13.58818	0.74193	2.10000	0.0	0.0	2.84193
45.0000E 3	5.4037	13.42200	10.64774	13.21330	0.70826	2.03700	0.0	0.0	2.74526
50.0000E 3	5.2983	13.21600	10.51915	12.89096	0.67285	1.97200	0.0	0.0	2.64485

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.3330E 3	6.6201	0.0	0.0	3.73082	0.00280	2.43140	0.36560	1.78046	0.07842
13.7600E 3	6.5886	0.0	0.0	4.10668	0.00280	2.43150	0.36480	1.78158	0.07964
14.2070E 3	6.5566	0.0	0.0	3.75428	0.00280	2.43150	0.36420	1.78236	0.08090
14.6770E 3	6.5241	0.0	0.0	3.97353	0.00280	2.43160	0.36360	1.78322	0.08220
15.1700E 3	6.4910	0.0	0.0	3.91755	0.00280	2.43160	0.36310	1.78387	0.08354
15.6890E 3	6.4574	0.0	0.0	3.70927	0.00280	2.43170	0.36270	1.78447	0.08493
16.2340E 3	6.4232	0.0	0.0	3.65695	0.00280	2.43170	0.36250	1.78473	0.08636
16.8090E 3	6.3884	0.0	0.0	3.52018	0.00280	2.43180	0.36230	1.78507	0.08784
17.4150E 3	6.3530	0.0	0.0	3.64907	0.00280	2.43180	0.36210	1.78533	0.08938
18.0540E 3	6.3170	0.0	0.0	3.43607	0.00280	2.43190	0.36190	1.78567	0.09096
18.7280E 3	6.2803	0.0	0.0	3.30348	0.00280	2.43200	0.36170	1.78600	0.09261
19.4420E 3	6.2429	0.0	0.0	3.49633	0.00280	2.43210	0.36150	1.78634	0.09431
20.1970E 3	6.2048	0.0	0.0	3.40053	0.00280	2.43210	0.36130	1.78660	0.09608
20.9970E 3	6.1660	0.0	0.0	3.43839	0.00280	2.43220	0.36120	1.78681	0.09791
25.0000E 3	5.9915	0.00400	0.0	3.19780	0.00280	2.43270	0.36080	1.78770	0.10656
30.0000E 3	5.8091	0.01900	0.0	3.09147	0.00280	2.43320	0.35950	1.78978	0.11635
35.0000E 3	5.6550	0.02500	0.0	2.98164	0.00290	2.43370	0.35750	1.79278	0.12526
40.0000E 3	5.5215	0.02800	0.0	2.86993	0.00730	2.43420	0.35330	1.79871	0.13347
45.0000E 3	5.4037	0.02900	0.0	2.77426	0.01960	2.43480	0.34770	1.80663	0.14110
50.0000E 3	5.2983	0.05200	0.0	2.69685	0.03090	2.43530	0.34120	1.81576	0.14824

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
55.0000E 3	5.2030	13.03000	10.40344	12.61906	0.63956	1.91200	0.0	0.0	2.55156
60.0000E 3	5.1160	12.86100	10.29455	12.37510	0.60845	1.85900	0.0	0.0	2.46745
65.0000E 3	5.0360	12.70700	10.19936	12.15419	0.57864	1.80600	0.0	0.0	2.38464
70.0000E 3	4.9618	12.56700	10.08786	11.94962	0.55814	1.77300	0.0	0.0	2.33114
75.0000E 3	4.8929	12.43200	9.98042	11.75633	0.53758	1.74200	0.0	0.0	2.27958
80.0000E 3	4.8283	12.30400	9.87762	11.57602	0.51938	1.71300	0.0	0.0	2.23238
85.0000E 3	4.7677	12.19900	9.77608	11.42082	0.50392	1.69100	0.0	0.0	2.19492
90.0000E 3	4.7105	12.09000	9.67336	11.26486	0.48964	1.67000	0.0	0.0	2.15964
95.0000E 3	4.6565	12.00000	9.58928	11.12833	0.47772	1.65300	0.0	0.0	2.13072
100.0000E 3	4.6052	11.91000	9.50481	10.99754	0.46519	1.63800	0.0	0.0	2.10319
120.0000E 3	4.4228	11.49800	9.10012	10.44876	0.42188	1.59200	0.0	0.0	2.01388
140.0000E 3	4.2687	11.13200	8.77553	9.96573	0.37847	1.53600	0.0	0.0	1.91447
160.0000E 3	4.1352	10.78500	8.44207	9.52798	0.34293	1.49100	0.0	0.0	1.83393
180.0000E 3	4.0174	10.46500	8.15910	9.13099	0.31190	1.44200	0.0	0.0	1.75390
200.0000E 3	3.9120	10.15000	7.90253	8.75125	0.28547	1.39800	0.0	0.0	1.68347
220.0000E 3	3.8167	9.84700	7.60013	8.40373	0.26487	1.36600	0.0	0.0	1.63087
240.0000E 3	3.7297	9.55500	7.29630	8.07823	0.24970	1.34900	0.0	0.0	1.59870
260.0000E 3	3.6497	9.31000	7.04484	7.79254	0.23616	1.33200	0.0	0.0	1.56816
280.0000E 3	3.5756	9.09500	6.81700	7.53940	0.22432	1.31800	0.0	0.0	1.54232
300.0000E 3	3.5066	8.90000	6.59759	7.30998	0.21441	1.30500	0.0	0.0	1.51941

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
55.0000E 3	5.2030	0.07500	0.0	2.62656	0.03950	2.43580	0.33450	1.82525	0.15497
60.0000E 3	5.1160	0.09900	0.0	2.56645	0.04720	2.43640	0.32730	1.83561	0.16133
65.0000E 3	5.0360	0.12300	0.0	2.50764	0.05420	2.43690	0.32040	1.84558	0.16736
70.0000E 3	4.9618	0.14800	0.0	2.47914	0.06120	2.43740	0.31480	1.85382	0.17311
75.0000E 3	4.8929	0.17200	0.0	2.45158	0.06770	2.43800	0.30860	1.86306	0.17859
80.0000E 3	4.8283	0.19400	0.0	2.42638	0.07370	2.43850	0.30320	1.87116	0.18384
85.0000E 3	4.7677	0.22800	0.0	2.42292	0.07960	2.43900	0.29800	1.87904	0.18888
90.0000E 3	4.7105	0.25700	0.0	2.41664	0.08530	2.43950	0.29320	1.88641	0.19372
95.0000E 3	4.6565	0.28000	0.0	2.41072	0.09090	2.44010	0.28900	1.89302	0.19837
100.0000E 3	4.6052	0.30200	0.0	2.40519	0.09600	2.44060	0.28400	1.90078	0.20285
120.0000E 3	4.4228	0.38400	0.0	2.39788	0.11530	2.44270	0.26500	1.93099	0.21929
140.0000E 3	4.2687	0.44200	0.0	2.35647	0.13290	2.44480	0.24640	1.96149	0.23375
160.0000E 3	4.1352	0.50900	0.0	2.34293	0.14890	2.44700	0.23000	1.98943	0.24660
180.0000E 3	4.0174	0.55200	0.0	2.30590	0.16350	2.44910	0.21630	2.01357	0.25810
200.0000E 3	3.9120	0.56400	0.0	2.24747	0.17700	2.45120	0.20420	2.03554	0.26847
220.0000E 3	3.8167	0.61600	0.0	2.24687	0.18990	2.45330	0.19390	2.05486	0.27785
240.0000E 3	3.7297	0.66000	0.0	2.25870	0.20240	2.45540	0.18510	2.07189	0.28635
260.0000E 3	3.6497	0.69700	0.0	2.26516	0.21540	2.45760	0.17730	2.08749	0.29409
280.0000E 3	3.5756	0.73600	0.0	2.27800	0.22820	2.45970	0.17020	2.10195	0.30113
300.0000E 3	3.5066	0.78300	0.0	2.30241	0.24100	2.46180	0.16430	2.11440	0.30755

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
320.0000E 3	3.4420	8.72200	6.39530	7.11678	0.20670	1.30000	0.0	0.0	1.50670
340.0000E 3	3.3814	8.54800	6.21647	6.92612	0.19753	1.28100	0.0	0.0	1.47853
360.0000E 3	3.3242	8.42300	6.09225	6.77687	0.18875	1.26000	0.0	0.0	1.44875
380.0000E 3	3.2702	8.29800	5.96992	6.63060	0.18108	1.24200	0.0	0.0	1.42308
400.0000E 3	3.2189	8.19000	5.86146	6.49897	0.17454	1.22400	0.0	0.0	1.39854
420.0000E 3	3.1701	8.08500	5.75508	6.37804	0.16892	1.21000	0.0	0.0	1.37892
440.0000E 3	3.1236	7.99400	5.66139	6.26784	0.16461	1.19800	0.0	0.0	1.36261
460.0000E 3	3.0791	7.90700	5.56714	6.16448	0.16086	1.18800	0.0	0.0	1.34886
480.0000E 3	3.0366	7.83200	5.48372	6.07008	0.15728	1.17900	0.0	0.0	1.33628
500.0000E 3	2.9957	7.76000	5.40438	5.97872	0.15362	1.17000	0.0	0.0	1.32362
520.0000E 3	2.9565	7.69600	5.31160	5.90705	0.15140	1.17000	0.0	0.0	1.32140
540.0000E 3	2.9188	7.68200	5.26681	5.87022	0.14919	1.17100	0.0	0.0	1.32019
560.0000E 3	2.8824	7.56800	5.12404	5.76946	0.14696	1.17100	0.0	0.0	1.31796
580.0000E 3	2.8473	7.51100	5.03926	5.70997	0.14474	1.17200	0.0	0.0	1.31674
600.0000E 3	2.8134	7.45500	4.96048	5.65087	0.14252	1.17200	0.0	0.0	1.31452
620.0000E 3	2.7806	7.40500	4.88847	5.59675	0.14053	1.17300	0.0	0.0	1.31353
640.0000E 3	2.7489	7.35700	4.82047	5.54643	0.13853	1.17400	0.0	0.0	1.31253
660.0000E 3	2.7181	7.31300	4.75800	5.49878	0.13700	1.17600	0.0	0.0	1.31300
680.0000E 3	2.6882	7.27000	4.69677	5.45282	0.13523	1.17800	0.0	0.0	1.31323
700.0000E 3	2.6593	7.23200	4.64466	5.41036	0.13334	1.18000	0.0	0.0	1.31334

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
320.0000E 3	3.4420	0.82000	0.0	2.32670	0.25100	2.46390	0.15900	2.12588	0.31340
340.0000E 3	3.3814	0.85300	0.0	2.33153	0.26090	2.46600	0.15420	2.13654	0.31872
360.0000E 3	3.3242	0.88200	0.0	2.33075	0.27020	2.46820	0.14980	2.14663	0.32358
380.0000E 3	3.2702	0.90500	0.0	2.32808	0.27930	2.47030	0.14580	2.15596	0.32799
400.0000E 3	3.2189	0.93000	0.0	2.32854	0.28850	2.47240	0.14260	2.16384	0.33199
420.0000E 3	3.1701	0.95100	0.0	2.32992	0.29660	2.47450	0.13960	2.17138	0.33562
440.0000E 3	3.1236	0.97000	0.0	2.33261	0.30490	2.47660	0.13740	2.17742	0.33889
460.0000E 3	3.0791	0.99100	0.0	2.33986	0.31300	2.47880	0.13540	2.18320	0.34184
480.0000E 3	3.0366	1.01200	0.0	2.34828	0.32130	2.48090	0.13340	2.18890	0.34448
500.0000E 3	2.9957	1.03200	0.0	2.35562	0.32960	2.48300	0.13130	2.19482	0.34683
520.0000E 3	2.9565	1.06300	0.0	2.38440	0.33680	2.48510	0.12940	2.20037	0.34891
540.0000E 3	2.9188	1.09500	0.0	2.41519	0.34400	2.48720	0.12740	2.20614	0.35074
560.0000E 3	2.8824	1.12600	0.0	2.44396	0.35100	2.48940	0.12550	2.21182	0.35233
580.0000E 3	2.8473	1.15500	0.0	2.47174	0.35740	2.49150	0.12350	2.21762	0.35369
600.0000E 3	2.8134	1.18000	0.0	2.49452	0.36370	2.49360	0.12160	2.22325	0.35484
620.0000E 3	2.7806	1.20300	0.0	2.51653	0.36990	2.49570	0.11980	2.22870	0.35579
640.0000E 3	2.7489	1.22400	0.0	2.53653	0.37560	2.49780	0.11800	2.23417	0.35655
660.0000E 3	2.7181	1.24200	0.0	2.55500	0.38130	2.50000	0.11650	2.23914	0.35714
680.0000E 3	2.6882	1.26000	0.0	2.57323	0.38690	2.50210	0.11480	2.24444	0.35755
700.0000E 3	2.6593	1.27400	0.0	2.58734	0.39220	2.50420	0.11300	2.24996	0.35780

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
720.0000E 3	2.6311	7.19700	4.59756	5.36993	0.13144	1.18200	0.0	0.0	1.31344
740.0000E 3	2.6037	7.15700	4.54648	5.32568	0.12952	1.18500	0.0	0.0	1.31452
760.0000E 3	2.5770	7.11700	4.49440	5.28508	0.12760	1.18700	0.0	0.0	1.31460
780.0000E 3	2.5510	7.08000	4.44522	5.24724	0.12578	1.19000	0.0	0.0	1.31578
800.0000E 3	2.5257	7.04500	4.39403	5.21269	0.12397	1.19200	0.0	0.0	1.31597
820.0000E 3	2.5010	7.01000	4.34721	5.17895	0.12179	1.19400	0.0	0.0	1.31579
840.0000E 3	2.4769	6.98200	4.30994	5.14941	0.12006	1.19700	0.0	0.0	1.31706
860.0000E 3	2.4534	6.94500	4.27744	5.10955	0.11856	1.20000	0.0	0.0	1.31856
880.0000E 3	2.4304	6.90900	4.22605	5.07955	0.11695	1.20200	0.0	0.0	1.31895
900.0000E 3	2.4079	6.87800	4.19180	5.04912	0.11520	1.20500	0.0	0.0	1.32020
920.0000E 3	2.3860	6.84500	4.15369	5.01862	0.11331	1.20800	0.0	0.0	1.32131
940.0000E 3	2.3645	6.81500	4.11947	4.99008	0.11153	1.21100	0.0	0.0	1.32253
960.0000E 3	2.3434	6.78000	4.07725	4.95788	0.10975	1.21400	0.0	0.0	1.32375
980.0000E 3	2.3228	6.74800	4.03805	4.92724	0.10795	1.21700	0.0	0.0	1.32495
1.0000E 6	2.3026	6.72700	4.01010	4.90240	0.10590	1.22000	0.0	0.0	1.32590
1.1000E 6	2.2073	6.59200	3.84586	4.83829	0.09514	1.22600	0.0	0.0	1.32114
1.2000E 6	2.1203	6.55100	3.77755	4.82844	0.08645	1.23500	0.0	0.0	1.32145
1.3000E 6	2.0402	6.57100	3.76826	4.85267	0.07874	1.24200	0.0	0.0	1.32074
1.4000E 6	1.9661	6.60600	3.77528	4.88447	0.07272	1.25600	0.0	0.0	1.32872
1.5000E 6	1.8971	6.67000	3.81103	4.91235	0.06797	1.28000	0.0	0.0	1.34797

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
720.0000E 3	2.6311	1.28600	0.0	2.59944	0.39740	2.50630	0.11120	2.25549	0.35790
740.0000E 3	2.6037	1.29600	0.0	2.61052	0.40280	2.50840	0.10930	2.26125	0.35785
760.0000E 3	2.5770	1.30800	0.0	2.62260	0.40760	2.51060	0.10750	2.26691	0.35767
780.0000E 3	2.5510	1.31900	0.0	2.63478	0.41230	2.51270	0.10570	2.27250	0.35736
800.0000E 3	2.5257	1.33500	0.0	2.65097	0.41700	2.51480	0.10400	2.27790	0.35692
820.0000E 3	2.5010	1.34700	0.0	2.66279	0.42120	2.51690	0.10200	2.28394	0.35637
840.0000E 3	2.4769	1.35500	0.0	2.67206	0.42520	2.51900	0.10030	2.28938	0.35571
860.0000E 3	2.4534	1.34900	0.0	2.66756	0.42910	2.52120	0.09880	2.29450	0.35494
880.0000E 3	2.4304	1.36400	0.0	2.68295	0.43290	2.52330	0.09730	2.29955	0.35407
900.0000E 3	2.4079	1.36600	0.0	2.68620	0.43630	2.52540	0.09560	2.30504	0.35310
920.0000E 3	2.3860	1.37000	0.0	2.69131	0.43970	2.52750	0.09380	2.31075	0.35205
940.0000E 3	2.3645	1.37300	0.0	2.69553	0.44300	2.52960	0.09210	2.31627	0.35091
960.0000E 3	2.3434	1.37900	0.0	2.70275	0.44690	2.53180	0.09040	2.32190	0.34969
980.0000E 3	2.3228	1.38500	0.0	2.70995	0.45090	2.53390	0.08870	2.32745	0.34839
1.0000E 6	2.3026	1.39100	0.0	2.71690	0.45500	2.53600	0.08680	2.33346	0.34702
1.1000E 6	2.2073	1.42500	0.0	2.74614	0.45600	2.54660	0.07760	2.36321	0.33920
1.2000E 6	2.1203	1.45200	0.0	2.77345	0.45600	2.55720	0.07000	2.38991	0.33006
1.3000E 6	2.0402	1.48200	0.0	2.80274	0.45600	2.56780	0.06340	2.41471	0.31993
1.4000E 6	1.9661	1.50200	0.0	2.83072	0.45600	2.57840	0.05790	2.43728	0.30908
1.5000E 6	1.8971	1.51100	0.0	2.85897	0.46120	2.58900	0.05310	2.45846	0.29773

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.6000E 6	1.8326	6.75000	3.86064	4.91504	0.06336	1.29300	0.0	0.0	1.35636
1.7000E 6	1.7720	6.83500	3.91576	4.86342	0.05924	1.30200	0.0	0.0	1.36124
1.8000E 6	1.7148	6.92100	3.97124	4.81624	0.05576	1.30900	0.0	0.0	1.36476
1.9000E 6	1.6607	7.01100	4.02544	4.81110	0.05256	1.31400	0.0	0.0	1.36656
2.0000E 6	1.6094	7.10400	4.08935	4.83441	0.04965	1.31700	0.0	0.0	1.36665
2.1000E 6	1.5606	7.20000	4.13365	4.90004	0.04735	1.31900	0.0	0.0	1.36635
2.2000E 6	1.5141	7.29700	4.18094	4.96153	0.04506	1.32000	0.0	0.0	1.36506
2.3000E 6	1.4697	7.39300	4.22080	5.02091	0.04320	1.32100	0.0	0.0	1.36420
2.4000E 6	1.4271	7.48800	4.26477	5.07073	0.04123	1.31900	0.0	0.0	1.36023
2.5000E 6	1.3863	7.56800	4.31800	5.06961	0.03956	1.31600	0.0	0.0	1.35556
2.6000E 6	1.3471	7.63000	4.35500	4.98869	0.03809	1.31200	0.0	0.0	1.35009
2.7000E 6	1.3093	7.67900	4.39200	4.89315	0.03666	1.30600	0.0	0.0	1.34266
2.8000E 6	1.2730	7.72000	4.42400	4.79043	0.03536	1.30000	0.0	0.0	1.33536
2.9000E 6	1.2379	7.75100	4.44600	4.68326	0.03413	1.29400	0.0	0.0	1.32813
3.0000E 6	1.2040	7.77800	4.46600	4.57186	0.03303	1.28800	0.0	0.0	1.32103
3.1000E 6	1.1712	7.79700	4.47800	4.57015	0.03192	1.28200	0.0	0.0	1.31392
3.2000E 6	1.1394	7.81000	4.48700	4.56455	0.03088	1.27600	0.0	0.0	1.30688
3.3000E 6	1.1087	7.81900	4.49100	4.55853	0.02988	1.27000	0.0	0.0	1.29988
3.4000E 6	1.0788	7.82300	4.49200	4.54968	0.02898	1.26300	0.0	0.0	1.29198
3.5000E 6	1.0498	7.82200	4.48800	4.53948	0.02808	1.25700	0.0	0.0	1.28508

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.6000E 6	1.8326	1.53300	0.0	2.88936	0.47530	2.59960	0.04900	2.47817	0.28607
1.7000E 6	1.7720	1.55800	0.0	2.91924	0.50350	2.61020	0.04550	2.49660	0.27423
1.8000E 6	1.7148	1.58500	0.0	2.94976	0.53000	2.62080	0.04260	2.51372	0.26235
1.9000E 6	1.6607	1.61900	0.0	2.98556	0.54650	2.63140	0.04000	2.53019	0.25052
2.0000E 6	1.6094	1.64800	0.0	3.01465	0.55500	2.64200	0.03770	2.54602	0.23882
2.1000E 6	1.5606	1.70000	0.0	3.06635	0.55640	2.65260	0.03590	2.56067	0.22731
2.2000E 6	1.5141	1.75100	0.0	3.11606	0.55860	2.66320	0.03414	2.57528	0.21606
2.3000E 6	1.4697	1.80800	0.0	3.17220	0.56200	2.67380	0.03270	2.58914	0.20509
2.4000E 6	1.4271	1.86300	0.0	3.22323	0.56680	2.68440	0.03126	2.60303	0.19445
2.5000E 6	1.3863	1.89444	0.0	3.25000	0.57860	2.69500	0.03006	2.61635	0.18414
2.6000E 6	1.3471	1.92491	0.0	3.27500	0.60650	2.70340	0.02903	2.62713	0.17421
2.7000E 6	1.3093	1.94434	0.0	3.28700	0.63430	2.71180	0.02807	2.63777	0.16464
2.8000E 6	1.2730	1.96064	0.0	3.29600	0.66220	2.72020	0.02720	2.64817	0.15546
2.9000E 6	1.2379	1.97687	0.0	3.30500	0.69000	2.72860	0.02637	2.65849	0.14666
3.0000E 6	1.2040	1.99097	0.0	3.31200	0.71790	2.73700	0.02564	2.66858	0.13825
3.1000E 6	1.1712	2.00508	0.0	3.31900	0.72060	2.75600	0.02490	2.68904	0.13021
3.2000E 6	1.1394	2.01612	0.0	3.32300	0.72330	2.77500	0.02420	2.70943	0.12256
3.3000E 6	1.1087	2.02812	0.0	3.32800	0.72600	2.79400	0.02353	2.72978	0.11527
3.4000E 6	1.0788	2.03902	0.0	3.33100	0.72870	2.81300	0.02294	2.74991	0.10835
3.5000E 6	1.0498	2.04892	0.0	3.33400	0.73140	2.83200	0.02234	2.77012	0.10177

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.6000E 6	1.0217	7.81100	4.47400	4.52708	0.02725	1.25000	0.0	0.0	1.27725
3.7000E 6	0.9943	7.79800	4.45900	4.51305	0.02650	1.24400	0.0	0.0	1.27050
3.8000E 6	0.9676	7.77400	4.43400	4.49550	0.02578	1.23700	0.0	0.0	1.26278
3.9000E 6	0.9416	7.74800	4.40800	4.47682	0.02508	1.23100	0.0	0.0	1.25608
4.0000E 6	0.9163	7.72000	4.38000	4.45778	0.02438	1.22500	0.0	0.0	1.24938
4.1000E 6	0.8916	7.69200	4.35200	4.44062	0.02368	1.21700	0.0	0.0	1.24068
4.2000E 6	0.8675	7.66200	4.32100	4.42384	0.02306	1.20900	0.0	0.0	1.23206
4.3000E 6	0.8440	7.63200	4.29100	4.40646	0.02236	1.20100	0.0	0.0	1.22336
4.4000E 6	0.8210	7.60000	4.26000	4.38839	0.02173	1.19200	0.0	0.0	1.21373
4.5000E 6	0.7985	7.56700	4.22700	4.37097	0.02109	1.18300	0.0	0.0	1.20409
4.6000E 6	0.7765	7.53300	4.19600	4.35117	0.02056	1.17500	0.0	0.0	1.19556
4.7000E 6	0.7550	7.49700	4.16700	4.32800	0.02006	1.16800	0.0	0.0	1.18806
4.8000E 6	0.7340	7.46100	4.13700	4.30530	0.01957	1.16200	0.0	0.0	1.18157
4.9000E 6	0.7133	7.42400	4.10700	4.28215	0.01905	1.15600	0.0	0.0	1.17505
5.0000E 6	0.6931	7.38500	4.07500	4.25866	0.01852	1.15000	0.0	0.0	1.16852
5.1000E 6	0.6733	7.34500	4.04300	4.23391	0.01804	1.14600	0.0	0.0	1.16404
5.2000E 6	0.6539	7.30300	4.00900	4.20885	0.01768	1.14400	0.0	0.0	1.16168
5.3000E 6	0.6349	7.26100	3.97700	4.18280	0.01721	1.14300	0.0	0.0	1.16021
5.4000E 6	0.6162	7.21600	3.94500	4.15389	0.01686	1.14400	0.0	0.0	1.16086
5.5000E 6	0.5978	7.17200	3.91400	4.12495	0.01641	1.14600	0.0	0.0	1.16241

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.6000E 6	1.0217	2.05975	0.0	3.33700	0.73400	2.85100	0.02180	2.79017	0.09554
3.7000E 6	0.9943	2.06850	0.0	3.33900	0.73670	2.87000	0.02130	2.81014	0.08964
3.8000E 6	0.9676	2.07722	0.0	3.34000	0.73940	2.88900	0.02084	2.83002	0.08405
3.9000E 6	0.9416	2.08392	0.0	3.34000	0.74210	2.90800	0.02037	2.84994	0.07877
4.0000E 6	0.9163	2.09062	0.0	3.34000	0.74480	2.92700	0.01990	2.86989	0.07379
4.1000E 6	0.8916	2.09932	0.0	3.34000	0.74710	2.94530	0.01946	2.88908	0.06909
4.2000E 6	0.8675	2.10894	0.0	3.34100	0.74940	2.96350	0.01908	2.90803	0.06465
4.3000E 6	0.8440	2.11764	0.0	3.34100	0.75170	2.98180	0.01862	2.92729	0.06048
4.4000E 6	0.8210	2.12627	0.0	3.34000	0.75390	3.00000	0.01823	2.94630	0.05654
4.5000E 6	0.7985	2.13591	0.0	3.34000	0.75610	3.01830	0.01783	2.96543	0.05285
4.6000E 6	0.7765	2.14144	0.0	3.33700	0.75830	3.03660	0.01750	2.98437	0.04937
4.7000E 6	0.7550	2.14194	0.0	3.33000	0.76050	3.05480	0.01718	3.00321	0.04610
4.8000E 6	0.7340	2.14243	0.0	3.32400	0.76280	3.07310	0.01684	3.02221	0.04304
4.9000E 6	0.7133	2.14195	0.0	3.31700	0.76500	3.09130	0.01648	3.04118	0.04016
5.0000E 6	0.6931	2.14149	0.0	3.31000	0.76720	3.10960	0.01610	3.06033	0.03746
5.1000E 6	0.6733	2.13796	0.0	3.30200	0.76950	3.12790	0.01574	3.07942	0.03494
5.2000E 6	0.6539	2.13232	0.0	3.29400	0.77180	3.14610	0.01545	3.09823	0.03257
5.3000E 6	0.6349	2.12379	0.0	3.28400	0.77400	3.16440	0.01506	3.11746	0.03035
5.4000E 6	0.6162	2.07814	0.03200	3.27100	0.77620	3.18260	0.01473	3.13639	0.02827
5.5000E 6	0.5978	2.04559	0.05000	3.25800	0.77850	3.20090	0.01432	3.15570	0.02633

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.6000E 6	0.5798	7.12600	3.88000	4.09650	0.01607	1.15000	0.0	0.0	1.16607
5.7000E 6	0.5621	7.07900	3.84600	4.06758	0.01571	1.15500	0.0	0.0	1.17071
5.8000E 6	0.5447	7.03100	3.81200	4.03782	0.01538	1.16400	0.0	0.0	1.17938
5.9000E 6	0.5276	6.98300	3.77800	4.00820	0.01508	1.18000	0.0	0.0	1.19508
6.0000E 6	0.5108	6.93400	3.74200	3.97894	0.01486	1.20400	0.0	0.0	1.21886
6.1000E 6	0.4943	6.88700	3.70900	3.94984	0.01433	1.23500	0.0	0.0	1.24933
6.2000E 6	0.4780	6.84200	3.67700	3.92209	0.01383	1.27200	0.0	0.0	1.28583
6.3000E 6	0.4620	6.80000	3.64900	3.89430	0.01335	1.31700	0.0	0.0	1.33035
6.4000E 6	0.4463	6.75900	3.62200	3.86647	0.01300	1.36000	0.0	0.0	1.37300
6.5000E 6	0.4308	6.71900	3.59600	3.83932	0.01256	1.39600	0.0	0.0	1.40856
6.6000E 6	0.4155	6.68000	3.57200	3.81168	0.01226	1.43300	0.0	0.0	1.44526
6.7000E 6	0.4005	6.64300	3.54900	3.78535	0.01201	1.46900	0.0	0.0	1.48101
6.8000E 6	0.3857	6.60700	3.52800	3.75849	0.01175	1.50400	0.0	0.0	1.51575
6.9000E 6	0.3711	6.57200	3.50800	3.73192	0.01149	1.53600	0.0	0.0	1.54749
7.0000E 6	0.3567	6.53800	3.48900	3.70563	0.01124	1.57000	0.0	0.0	1.58124
7.1000E 6	0.3425	6.50700	3.47300	3.68137	0.01095	1.60100	0.0	0.0	1.61195
7.2000E 6	0.3285	6.47600	3.45600	3.65901	0.01069	1.63300	0.0	0.0	1.64369
7.3000E 6	0.3147	6.44700	3.44200	3.63626	0.01042	1.66500	0.0	0.0	1.67542
7.4000E 6	0.3011	6.41900	3.42700	3.61606	0.01024	1.69500	0.0	0.0	1.70524
7.5000E 6	0.2877	6.39100	3.41200	3.59555	0.00997	1.72500	0.0	0.0	1.73497

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.6000E 6	0.5798	2.01693	0.06300	3.24600	0.78080	3.21920	0.01397	3.17483	0.02451
5.7000E 6	0.5621	1.98529	0.07700	3.23300	0.78300	3.23740	0.01360	3.19396	0.02282
5.8000E 6	0.5447	1.94862	0.09100	3.21900	0.78520	3.25570	0.01322	3.21323	0.02123
5.9000E 6	0.5276	1.90492	0.10500	3.20500	0.78740	3.27390	0.01278	3.23258	0.01975
6.0000E 6	0.5108	1.85314	0.12000	3.19200	0.78970	3.29220	0.01234	3.25207	0.01837
6.1000E 6	0.4943	1.79367	0.13500	3.17800	0.79190	3.31050	0.01160	3.27254	0.01708
6.2000E 6	0.4780	1.72817	0.15100	3.16500	0.79410	3.32870	0.01088	3.29289	0.01587
6.3000E 6	0.4620	1.65365	0.16700	3.15100	0.79630	3.34700	0.01014	3.31342	0.01475
6.4000E 6	0.4463	1.58200	0.18200	3.13700	0.79860	3.36520	0.00956	3.33333	0.01371
6.5000E 6	0.4308	1.51644	0.19800	3.12300	0.80080	3.38350	0.00900	3.35332	0.01273
6.6000E 6	0.4155	1.44974	0.21300	3.10800	0.80300	3.40180	0.00856	3.37294	0.01182
6.7000E 6	0.4005	1.38499	0.22800	3.09400	0.80520	3.42000	0.00818	3.39227	0.01098
6.8000E 6	0.3857	1.32025	0.24300	3.07900	0.80740	3.43830	0.00781	3.41164	0.01019
6.9000E 6	0.3711	1.25651	0.26000	3.06400	0.80960	3.45650	0.00748	3.43083	0.00946
7.0000E 6	0.3567	1.18776	0.28000	3.04900	0.81180	3.47480	0.00716	3.45009	0.00877
7.1000E 6	0.3425	1.12205	0.30000	3.03400	0.81360	3.49310	0.00684	3.46936	0.00814
7.2000E 6	0.3285	1.05131	0.32500	3.02000	0.81510	3.51130	0.00654	3.48847	0.00755
7.3000E 6	0.3147	0.97658	0.35300	3.00500	0.81660	3.52960	0.00626	3.50765	0.00700
7.4000E 6	0.3011	0.90376	0.38300	2.99200	0.81790	3.54780	0.00604	3.52650	0.00649
7.5000E 6	0.2877	0.83203	0.41200	2.97900	0.81930	3.56610	0.00578	3.54560	0.00601

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.6000E 6	0.2744	6.36700	3.40100	3.57648	0.00978	1.75000	0.0	0.0	1.75978
7.7000E 6	0.2614	6.34300	3.39000	3.55744	0.00948	1.77000	0.0	0.0	1.77948
7.8000E 6	0.2485	6.32100	3.38100	3.53945	0.00916	1.78600	0.0	0.0	1.79516
7.9000E 6	0.2357	6.29800	3.37200	3.52015	0.00884	1.80000	0.0	0.0	1.80884
8.0000E 6	0.2231	6.27700	3.36400	3.50271	0.00861	1.81200	0.0	0.0	1.82061
8.1000E 6	0.2107	6.25500	3.35500	3.48511	0.00830	1.82300	0.0	0.0	1.83130
8.2000E 6	0.1985	6.23100	3.34100	3.47000	0.00808	1.83200	0.0	0.0	1.84008
8.3000E 6	0.1863	6.21000	3.33000	3.45509	0.00786	1.84000	0.0	0.0	1.84786
8.4000E 6	0.1744	6.18900	3.31900	3.44087	0.00764	1.84500	0.0	0.0	1.85264
8.5000E 6	0.1625	6.16900	3.30800	3.42766	0.00732	1.85000	0.0	0.0	1.85732
8.6000E 6	0.1508	6.15000	3.29900	3.41447	0.00711	1.85500	0.0	0.0	1.86211
8.7000E 6	0.1393	6.13100	3.29000	3.40129	0.00690	1.85900	0.0	0.0	1.86590
8.8000E 6	0.1278	6.11300	3.28100	3.38911	0.00669	1.86100	0.0	0.0	1.86769
8.9000E 6	0.1165	6.09500	3.27200	3.37728	0.00639	1.86200	0.0	0.0	1.86839
9.0000E 6	0.1054	6.07800	3.26500	3.36479	0.00619	1.86300	0.0	0.0	1.86919
9.1000E 6	0.0943	6.06200	3.25800	3.35362	0.00600	1.86200	0.0	0.0	1.86800
9.2000E 6	0.0834	6.04800	3.25300	3.34248	0.00581	1.86100	0.0	0.0	1.86681
9.3000E 6	0.0726	6.03400	3.24700	3.33250	0.00562	1.85900	0.0	0.0	1.86462
9.4000E 6	0.0619	6.02200	3.24300	3.32285	0.00542	1.85300	0.0	0.0	1.85842
9.5000E 6	0.0513	6.01000	3.24000	3.31270	0.00523	1.84600	0.0	0.0	1.85123

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.6000E 6	0.2744	0.76622	0.44000	2.96600	0.82050	3.58440	0.00559	3.56447	0.00557
7.7000E 6	0.2614	0.70952	0.46400	2.95300	0.82170	3.60260	0.00535	3.58341	0.00516
7.8000E 6	0.2485	0.66184	0.48300	2.94000	0.82270	3.62090	0.00513	3.60243	0.00478
7.9000E 6	0.2357	0.61416	0.50300	2.92600	0.82380	3.63910	0.00491	3.62132	0.00443
8.0000E 6	0.2231	0.57439	0.51800	2.91300	0.82470	3.65740	0.00475	3.64010	0.00410
8.1000E 6	0.2107	0.53470	0.53400	2.90000	0.82560	3.66990	0.00455	3.65328	0.00380
8.2000E 6	0.1985	0.50192	0.54800	2.89000	0.82640	3.68230	0.00441	3.66613	0.00352
8.3000E 6	0.1863	0.47014	0.56200	2.88000	0.82730	3.69480	0.00427	3.67908	0.00326
8.4000E 6	0.1744	0.44436	0.57300	2.87000	0.82800	3.70720	0.00414	3.69192	0.00301
8.5000E 6	0.1625	0.42268	0.58100	2.86100	0.82870	3.71970	0.00396	3.70504	0.00279
8.6000E 6	0.1508	0.40389	0.58500	2.85100	0.82920	3.73210	0.00383	3.71785	0.00258
8.7000E 6	0.1393	0.38510	0.59000	2.84100	0.82970	3.74460	0.00371	3.73076	0.00239
8.8000E 6	0.1278	0.37031	0.59400	2.83200	0.83020	3.75700	0.00360	3.74354	0.00221
8.9000E 6	0.1165	0.35761	0.59700	2.82300	0.83060	3.76950	0.00343	3.75661	0.00204
9.0000E 6	0.1054	0.34381	0.60000	2.81300	0.83100	3.78200	0.00332	3.76947	0.00189
9.1000E 6	0.0943	0.33400	0.60200	2.80400	0.83130	3.79440	0.00322	3.78221	0.00175
9.2000E 6	0.0834	0.32519	0.60300	2.79500	0.83170	3.80690	0.00312	3.79505	0.00161
9.3000E 6	0.0726	0.31838	0.60400	2.78700	0.83200	3.81930	0.00302	3.80779	0.00149
9.4000E 6	0.0619	0.31558	0.60500	2.77900	0.83230	3.83180	0.00293	3.82062	0.00138
9.5000E 6	0.0513	0.30977	0.60900	2.77000	0.83250	3.84420	0.00283	3.83334	0.00127

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.6000E 6	0.0408	5.99900	3.23600	3.30438	0.00503	1.83600	0.0	0.0	1.84103
9.7000E 6	0.0305	5.98800	3.23200	3.29607	0.00483	1.82400	0.0	0.0	1.82883
9.8000E 6	0.0202	5.97800	3.22900	3.28824	0.00463	1.81100	0.0	0.0	1.81563
9.9000E 6	0.0101	5.96900	3.22700	3.28059	0.00444	1.79600	0.0	0.0	1.80044
10.0000E 6	0.0000	5.96200	3.22700	3.27326	0.00425	1.78000	0.0	0.0	1.78425

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.6000E 6	0.0408	0.30397	0.61800	2.76300	0.83270	3.85670	0.00274	3.84617	0.00118
9.7000E 6	0.0305	0.29717	0.63000	2.75600	0.83290	3.86910	0.00265	3.85888	0.00109
9.8000E 6	0.0202	0.29237	0.64100	2.74900	0.83300	3.88160	0.00256	3.87170	0.00100
9.9000E 6	0.0101	0.29156	0.65000	2.74200	0.83310	3.89400	0.00247	3.88440	0.00093
10.0000E 6	0.0000	0.29175	0.65900	2.73500	0.83320	3.90650	0.00239	3.89720	0.00086

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	21.15310	7.45540	21.13222	13.69770	0.0	0.0	0.0	13.69770
1.5000E-3	22.6204	18.63940	7.45530	18.61853	11.18410	0.0	0.0	0.0	11.18410
2.0000E-3	22.3327	17.14100	7.45520	17.12013	9.68580	0.0	0.0	0.0	9.68580
2.5000E-3	22.1096	16.11840	7.45520	16.09753	8.66320	0.0	0.0	0.0	8.66320
3.0000E-3	21.9272	15.36350	7.45510	15.34263	7.90840	0.0	0.0	0.0	7.90840
4.0000E-3	21.6396	14.30390	7.45500	14.28303	6.84890	0.0	0.0	0.0	6.84890
5.0000E-3	21.4164	13.58060	7.45480	13.55973	6.12580	0.0	0.0	0.0	6.12580
6.0000E-3	21.2341	13.04680	7.45470	13.02593	5.59210	0.0	0.0	0.0	5.59210
7.0000E-3	21.0799	12.63180	7.45450	12.61093	5.17730	0.0	0.0	0.0	5.17730
8.0000E-3	20.9464	12.29730	7.45440	12.27643	4.84290	0.0	0.0	0.0	4.84290
9.0000E-3	20.8286	12.02010	7.45420	11.99923	4.56590	0.0	0.0	0.0	4.56590
10.0000E-3	20.7233	11.78570	7.45410	11.76483	4.33160	0.0	0.0	0.0	4.33160
15.0000E-3	20.3178	10.99300	7.45340	10.97213	3.53960	0.0	0.0	0.0	3.53960
20.0000E-3	20.0301	10.52060	7.45270	10.49970	3.06790	0.0	0.0	0.0	3.06790
25.3000E-3	19.7950	10.18200	7.45200	10.16110	2.73000	0.0	0.0	0.0	2.73000
30.0000E-3	19.6247	9.96020	7.45120	9.93930	2.50900	0.0	0.0	0.0	2.50900
35.0000E-3	19.4705	9.77520	7.45050	9.75430	2.32470	0.0	0.0	0.0	2.32470
40.0000E-3	19.3370	9.62610	7.44980	9.60520	2.17630	0.0	0.0	0.0	2.17630
45.0000E-3	19.2192	9.50260	7.44910	9.48170	2.05350	0.0	0.0	0.0	2.05350
50.0000E-3	19.1138	9.39810	7.44840	9.37720	1.94970	0.0	0.0	0.0	1.94970

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	13.69770	0.00280	0.0	0.0	0.0	0.00002
1.5000E-3	22.6204	0.0	0.0	11.18410	0.00280	0.0	0.0	0.0	0.00003
2.0000E-3	22.3327	0.0	0.0	9.68580	0.00280	0.0	0.0	0.0	0.00003
2.5000E-3	22.1096	0.0	0.0	8.66320	0.00280	0.0	0.0	0.0	0.00003
3.0000E-3	21.9272	0.0	0.0	7.90840	0.00280	0.0	0.0	0.0	0.00004
4.0000E-3	21.6396	0.0	0.0	6.84890	0.00280	0.0	0.0	0.0	0.00004
5.0000E-3	21.4164	0.0	0.0	6.12580	0.00280	0.0	0.0	0.0	0.00005
6.0000E-3	21.2341	0.0	0.0	5.59210	0.00280	0.0	0.0	0.0	0.00005
7.0000E-3	21.0799	0.0	0.0	5.17730	0.00280	0.0	0.0	0.0	0.00006
8.0000E-3	20.9464	0.0	0.0	4.84290	0.00280	0.0	0.0	0.0	0.00006
9.0000E-3	20.8286	0.0	0.0	4.56590	0.00280	0.0	0.0	0.0	0.00007
10.0000E-3	20.7233	0.0	0.0	4.33160	0.00280	0.0	0.0	0.0	0.00007
15.0000E-3	20.3178	0.0	0.0	3.53960	0.00280	0.0	0.0	0.0	0.00008
20.0000E-3	20.0301	0.0	0.0	3.06790	0.00280	0.0	0.0	0.0	0.00010
25.3000E-3	19.7950	0.0	0.0	2.73000	0.00280	0.0	0.0	0.0	0.00011
30.0000E-3	19.6247	0.0	0.0	2.50900	0.00280	0.0	0.0	0.0	0.00012
35.0000E-3	19.4705	0.0	0.0	2.32470	0.00280	0.0	0.0	0.0	0.00013
40.0000E-3	19.3370	0.0	0.0	2.17630	0.00280	0.0	0.0	0.0	0.00014
45.0000E-3	19.2192	0.0	0.0	2.05350	0.00280	0.0	0.0	0.0	0.00015
50.0000E-3	19.1138	0.0	0.0	1.94970	0.00280	0.0	0.0	0.0	0.00015

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
55.0000E-3	19.0185	9.30810	7.44760	9.28720	1.86050	0.0	0.0	0.0	1.86050
60.0000E-3	18.9315	9.22960	7.44690	9.20870	1.78270	0.0	0.0	0.0	1.78270
65.0000E-3	18.8515	9.16040	7.44620	9.13960	1.71420	0.0	0.0	0.0	1.71420
70.0000E-3	18.7774	9.09860	7.44550	9.07780	1.65310	0.0	0.0	0.0	1.65310
75.0000E-3	18.7084	9.04320	7.44480	9.02240	1.59840	0.0	0.0	0.0	1.59840
80.0000E-3	18.6438	8.99290	7.44400	8.97210	1.54890	0.0	0.0	0.0	1.54890
85.0000E-3	18.5832	8.94710	7.44330	8.92630	1.50380	0.0	0.0	0.0	1.50380
90.0000E-3	18.5260	8.90520	7.44260	8.88440	1.46260	0.0	0.0	0.0	1.46260
95.0000E-3	18.4720	8.86670	7.44190	8.84590	1.42480	0.0	0.0	0.0	1.42480
100.0000E-3	18.4207	8.83100	7.44120	8.81020	1.38980	0.0	0.0	0.0	1.38980
150.0000E-3	18.0152	8.57910	7.43480	8.55830	1.14430	0.0	0.0	0.0	1.14430
200.0000E-3	17.7275	8.42800	7.42840	8.40720	0.99960	0.0	0.0	0.0	0.99960
250.0000E-3	17.5044	8.32390	7.42210	8.30310	0.90180	0.0	0.0	0.0	0.90180
300.0000E-3	17.3221	8.24600	7.41570	8.22520	0.83030	0.0	0.0	0.0	0.83030
350.0000E-3	17.1679	8.18490	7.40940	8.16420	0.77550	0.0	0.0	0.0	0.77550
400.0000E-3	17.0344	8.13460	7.40270	8.11390	0.73190	0.0	0.0	0.0	0.73190
450.0000E-3	16.9166	8.09230	7.39600	8.07160	0.69630	0.0	0.0	0.0	0.69630
500.0000E-3	16.8112	8.05600	7.38940	8.03530	0.66660	0.0	0.0	0.0	0.66660
550.0000E-3	16.7159	8.02420	7.38270	8.00350	0.64150	0.0	0.0	0.0	0.64150
600.0000E-3	16.6289	7.99590	7.37600	7.97520	0.61990	0.0	0.0	0.0	0.61990

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
55.0000E-3	19.0185	0.0	0.0	1.86050	0.00280	0.0	0.0	0.0	0.00016
60.0000E-3	18.9315	0.0	0.0	1.78270	0.00280	0.0	0.0	0.0	0.00017
65.0000E-3	18.8515	0.0	0.0	1.71420	0.00280	0.0	0.0	0.0	0.00017
70.0000E-3	18.7774	0.0	0.0	1.65310	0.00280	0.0	0.0	0.0	0.00018
75.0000E-3	18.7084	0.0	0.0	1.59840	0.00280	0.0	0.0	0.0	0.00019
80.0000E-3	18.6438	0.0	0.0	1.54890	0.00280	0.0	0.0	0.0	0.00019
85.0000E-3	18.5832	0.0	0.0	1.50380	0.00280	0.0	0.0	0.0	0.00020
90.0000E-3	18.5260	0.0	0.0	1.46260	0.00280	0.0	0.0	0.0	0.00021
95.0000E-3	18.4720	0.0	0.0	1.42480	0.00280	0.0	0.0	0.0	0.00021
100.0000E-3	18.4207	0.0	0.0	1.38980	0.00280	0.0	0.0	0.0	0.00022
150.0000E-3	18.0152	0.0	0.0	1.14430	0.00280	0.0	0.0	0.0	0.00027
200.0000E-3	17.7275	0.0	0.0	0.99960	0.00280	0.0	0.0	0.0	0.00031
250.0000E-3	17.5044	0.0	0.0	0.90180	0.00280	0.0	0.0	0.0	0.00034
300.0000E-3	17.3221	0.0	0.0	0.83030	0.00280	0.0	0.0	0.0	0.00038
350.0000E-3	17.1679	0.0	0.0	0.77550	0.00280	0.0	0.0	0.0	0.00041
400.0000E-3	17.0344	0.0	0.0	0.73190	0.00280	0.0	0.0	0.0	0.00043
450.0000E-3	16.9166	0.0	0.0	0.69630	0.00280	0.0	0.0	0.0	0.00046
500.0000E-3	16.8112	0.0	0.0	0.66660	0.00280	0.0	0.0	0.0	0.00048
550.0000E-3	16.7159	0.0	0.0	0.64150	0.00280	0.0	0.0	0.0	0.00051
600.0000E-3	16.6289	0.0	0.0	0.61990	0.00280	0.0	0.0	0.0	0.00053

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
650.0000E-3	16.5489	7.97040	7.36910	7.94980	0.60130	0.0	0.0	0.0	0.60130
700.0000E-3	16.4748	7.94730	7.36220	7.92670	0.58510	0.0	0.0	0.0	0.58510
750.0000E-3	16.4058	7.92600	7.35520	7.90540	0.57080	0.0	0.0	0.0	0.57080
800.0000E-3	16.3412	7.90640	7.34830	7.88580	0.55810	0.0	0.0	0.0	0.55810
850.0000E-3	16.2806	7.88830	7.34140	7.86770	0.54690	0.0	0.0	0.0	0.54690
900.0000E-3	16.2235	7.87100	7.33410	7.85050	0.53690	0.0	0.0	0.0	0.53690
950.0000E-3	16.1694	7.85470	7.32670	7.83420	0.52800	0.0	0.0	0.0	0.52800
1.0000E00	16.1181	7.83920	7.31920	7.81870	0.52000	0.0	0.0	0.0	0.52000
2.0000E00	15.4249	7.62500	7.15620	7.60500	0.46880	0.0	0.0	0.0	0.46880
3.0000E00	15.0195	7.45990	6.94130	7.44050	0.51860	0.0	0.0	0.0	0.51860
4.0000E00	14.7318	7.38540	6.62090	7.36686	0.76450	0.0	0.0	0.0	0.76450
4.2000E00	14.6830	7.35220	6.52500	7.33393	0.82720	0.0	0.0	0.0	0.82720
4.3000E00	14.6595	7.37550	6.47500	7.35737	0.90050	0.0	0.0	0.0	0.90050
4.3600E00	14.6456	7.47420	6.44500	7.45615	1.02920	0.0	0.0	0.0	1.02920
4.3800E00	14.6410	7.67640	6.43000	7.65840	1.24640	0.0	0.0	0.0	1.24640
4.4000E00	14.6365	8.98300	6.41500	8.96504	2.56800	0.0	0.0	0.0	2.56800
4.4100E00	14.6342	10.62500	6.41000	10.60705	4.21500	0.0	0.0	0.0	4.21500
4.4200E00	14.6320	8.99000	6.40500	8.97207	2.58500	0.0	0.0	0.0	2.58500
4.4400E00	14.6274	7.68160	6.39500	7.66369	1.28660	0.0	0.0	0.0	1.28660
4.4600E00	14.6229	7.48670	6.38500	7.46882	1.10170	0.0	0.0	0.0	1.10170

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
650.0000E-3	16.5489	0.0	0.0	0.60130	0.00280	0.0	0.0	0.0	0.00055
700.0000E-3	16.4748	0.0	0.0	0.58510	0.00280	0.0	0.0	0.0	0.00057
750.0000E-3	16.4058	0.0	0.0	0.57080	0.00280	0.0	0.0	0.0	0.00059
800.0000E-3	16.3412	0.0	0.0	0.55810	0.00280	0.0	0.0	0.0	0.00061
850.0000E-3	16.2806	0.0	0.0	0.54690	0.00280	0.0	0.0	0.0	0.00063
900.0000E-3	16.2235	0.0	0.0	0.53690	0.00280	0.0	0.0	0.0	0.00065
950.0000E-3	16.1694	0.0	0.0	0.52800	0.00280	0.0	0.0	0.0	0.00067
1.0000E00	16.1181	0.0	0.0	0.52000	0.00280	0.0	0.0	0.0	0.00069
2.0000E00	15.4249	0.0	0.0	0.46880	0.00280	0.0	0.0	0.0	0.00097
3.0000E00	15.0195	0.0	0.0	0.51860	0.00280	0.0	0.0	0.0	0.00119
4.0000E00	14.7318	0.0	0.0	0.76450	0.00280	0.0	0.0	0.0	0.00137
4.2000E00	14.6830	0.0	0.0	0.82720	0.00280	0.0	0.0	0.0	0.00140
4.3000E00	14.6595	0.0	0.0	0.90050	0.00280	0.0	0.0	0.0	0.00142
4.3600E00	14.6456	0.0	0.0	1.02920	0.00280	0.0	0.0	0.0	0.00143
4.3800E00	14.6410	0.0	0.0	1.24640	0.00280	0.0	0.0	0.0	0.00143
4.4000E00	14.6365	0.0	0.0	2.56800	0.00280	0.0	0.0	0.0	0.00144
4.4100E00	14.6342	0.0	0.0	4.21500	0.00280	0.0	0.0	0.0	0.00144
4.4200E00	14.6320	0.0	0.0	2.58500	0.00280	0.0	0.0	0.0	0.00144
4.4400E00	14.6274	0.0	0.0	1.28660	0.00280	0.0	0.0	0.0	0.00144
4.4600E00	14.6229	0.0	0.0	1.10170	0.00280	0.0	0.0	0.0	0.00145

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.5000E00	14.6140	7.40230	6.36000	7.38449	1.04230	0.0	0.0	0.0	1.04230
4.6000E00	14.5920	7.40220	6.30000	7.38456	1.10220	0.0	0.0	0.0	1.10220
5.0000E00	14.5087	7.61100	6.02240	7.59414	1.58860	0.0	0.0	0.0	1.58860
5.2000E00	14.4694	7.85000	5.82500	7.83369	2.02500	0.0	0.0	0.0	2.02500
5.4000E00	14.4317	8.24500	5.57500	8.22939	2.67000	0.0	0.0	0.0	2.67000
5.6000E00	14.3953	8.88000	5.24500	8.86531	3.63500	0.0	0.0	0.0	3.63500
5.8000E00	14.3602	10.10500	4.80500	10.09155	5.30000	0.0	0.0	0.0	5.30000
6.0000E00	14.3263	12.44170	4.10490	12.43021	8.33680	0.0	0.0	0.0	8.33680
6.5000E00	14.2463	125.66000	0.15648	125.65900	125.50300	0.0	0.0	0.0	125.50300
6.6000E00	14.2310	623.47000	8.93848	623.44500	614.53200	0.0	0.0	0.0	614.53200
6.6300E00	14.2265	1538.04800	40.51268	1537.93400	1497.53500	0.0	0.0	0.0	1497.53500
6.6500E00	14.2235	3801.22000	137.73700	3800.83500	3663.48300	0.0	0.0	0.0	3663.48300
6.6700E00	14.2205	13968.77700	664.09200	13966.91700	13304.68500	0.0	0.0	0.0	13304.68500
6.6800E00	14.2190	20957.88600	1125.28400	20954.73500	19832.60200	0.0	0.0	0.0	19832.60200
6.6900E00	14.2175	14135.13400	850.35200	14132.75300	13284.78300	0.0	0.0	0.0	13284.78300
6.7100E00	14.2145	3938.42800	291.36100	3937.61300	3647.06800	0.0	0.0	0.0	3647.06800
6.7300E00	14.2115	1631.37700	145.00800	1630.97100	1486.36900	0.0	0.0	0.0	1486.36900
6.8000E00	14.2012	321.35100	47.52825	321.21800	273.82200	0.0	0.0	0.0	273.82200
7.0000E00	14.1722	58.27976	19.77436	58.22439	38.50540	0.0	0.0	0.0	38.50540
7.5000E00	14.1032	18.26084	12.49106	18.22587	5.76978	0.0	0.0	0.0	5.76978

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.5000E00	14.6140	0.0	0.0	1.04230	0.00280	0.0	0.0	0.0	0.00145
4.6000E00	14.5920	0.0	0.0	1.10220	0.00280	0.0	0.0	0.0	0.00147
5.0000E00	14.5087	0.0	0.0	1.58860	0.00280	0.0	0.0	0.0	0.00153
5.2000E00	14.4694	0.0	0.0	2.02500	0.00280	0.0	0.0	0.0	0.00156
5.4000E00	14.4317	0.0	0.0	2.67000	0.00280	0.0	0.0	0.0	0.00159
5.6000E00	14.3953	0.0	0.0	3.63500	0.00280	0.0	0.0	0.0	0.00162
5.8000E00	14.3602	0.0	0.0	5.30000	0.00280	0.0	0.0	0.0	0.00165
6.0000E00	14.3263	0.0	0.0	8.33680	0.00280	0.0	0.0	0.0	0.00168
6.5000E00	14.2463	0.0	0.0	125.50300	0.00280	0.0	0.0	0.0	0.00175
6.6000E00	14.2310	0.0	0.0	614.53200	0.00280	0.0	0.0	0.0	0.00176
6.6300E00	14.2265	0.0	0.0	1497.53500	0.00280	0.0	0.0	0.0	0.00176
6.6500E00	14.2235	0.0	0.0	3663.48300	0.00280	0.0	0.0	0.0	0.00177
6.6700E00	14.2205	0.0	0.0	13304.68500	0.00280	0.0	0.0	0.0	0.00177
6.6800E00	14.2190	0.0	0.0	19832.60200	0.00280	0.0	0.0	0.0	0.00177
6.6900E00	14.2175	0.0	0.0	13284.78300	0.00280	0.0	0.0	0.0	0.00177
6.7100E00	14.2145	0.0	0.0	3647.06800	0.00280	0.0	0.0	0.0	0.00177
6.7300E00	14.2115	0.0	0.0	1486.36900	0.00280	0.0	0.0	0.0	0.00178
6.8000E00	14.2012	0.0	0.0	273.82200	0.00280	0.0	0.0	0.0	0.00179
7.0000E00	14.1722	0.0	0.0	38.50540	0.00280	0.0	0.0	0.0	0.00181
7.5000E00	14.1032	0.0	0.0	5.76978	0.00280	0.0	0.0	0.0	0.00188

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.0000E00	14.0387	13.16476	10.93583	13.13413	2.22892	0.0	0.0	0.0	2.22892
10.0000E00	13.8155	9.79492	9.32540	9.76881	0.46952	0.0	0.0	0.0	0.46952
10.2000E00	13.7957	10.51513	9.21720	10.48932	1.29793	0.0	0.0	0.0	1.29793
10.2200E00	13.7937	11.84709	9.18795	11.82137	2.65914	0.0	0.0	0.0	2.65914
10.2400E00	13.7918	18.94035	9.15610	18.91471	9.78425	0.0	0.0	0.0	9.78425
10.2500E00	13.7908	25.12671	9.24392	25.10083	15.88279	0.0	0.0	0.0	15.88279
10.2600E00	13.7898	19.10324	9.33098	19.07711	9.77226	0.0	0.0	0.0	9.77226
10.2800E00	13.7879	11.94235	9.29832	11.91631	2.64403	0.0	0.0	0.0	2.64403
10.3000E00	13.7860	10.54846	9.26908	10.52251	1.27938	0.0	0.0	0.0	1.27938
10.4000E00	13.7763	9.68227	9.20683	9.65649	0.47544	0.0	0.0	0.0	0.47544
10.6000E00	13.7572	9.50117	9.13303	9.47560	0.36814	0.0	0.0	0.0	0.36814
11.0000E00	13.7202	9.33191	9.00850	9.30669	0.32342	0.0	0.0	0.0	0.32342
11.2000E00	13.7022	9.29053	8.95082	9.26547	0.33972	0.0	0.0	0.0	0.33972
11.2700E00	13.6960	9.42594	8.93112	9.40093	0.49482	0.0	0.0	0.0	0.49482
11.2900E00	13.6942	9.71522	8.92553	9.69023	0.78969	0.0	0.0	0.0	0.78969
11.3100E00	13.6924	11.25717	8.91999	11.23219	2.33718	0.0	0.0	0.0	2.33718
11.3200E00	13.6915	12.58157	8.91723	12.55660	3.66434	0.0	0.0	0.0	3.66434
11.3300E00	13.6906	11.25234	8.91443	11.22737	2.33790	0.0	0.0	0.0	2.33790
11.3500E00	13.6889	9.69662	8.90887	9.67168	0.78775	0.0	0.0	0.0	0.78775
11.3700E00	13.6871	9.39363	8.90334	9.36870	0.49029	0.0	0.0	0.0	0.49029

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.0000E00	14.0387	0.0	0.0	2.22892	0.00280	0.0	0.0	0.0	0.00194
10.0000E00	13.8155	0.0	0.0	0.46952	0.00280	0.0	0.0	0.0	0.00217
10.2000E00	13.7957	0.0	0.0	1.29793	0.00280	0.0	0.0	0.0	0.00219
10.2200E00	13.7937	0.0	0.0	2.65914	0.00280	0.0	0.0	0.0	0.00219
10.2400E00	13.7918	0.0	0.0	9.78425	0.00280	0.0	0.0	0.0	0.00219
10.2500E00	13.7908	0.0	0.0	15.88279	0.00280	0.0	0.0	0.0	0.00219
10.2600E00	13.7898	0.0	0.0	9.77226	0.00280	0.0	0.0	0.0	0.00219
10.2800E00	13.7879	0.0	0.0	2.64403	0.00280	0.0	0.0	0.0	0.00220
10.3000E00	13.7860	0.0	0.0	1.27938	0.00280	0.0	0.0	0.0	0.00220
10.4000E00	13.7763	0.0	0.0	0.47544	0.00280	0.0	0.0	0.0	0.00221
10.6000E00	13.7572	0.0	0.0	0.36814	0.00280	0.0	0.0	0.0	0.00223
11.0000E00	13.7202	0.0	0.0	0.32342	0.00280	0.0	0.0	0.0	0.00227
11.2000E00	13.7022	0.0	0.0	0.33972	0.00280	0.0	0.0	0.0	0.00229
11.2700E00	13.6960	0.0	0.0	0.49482	0.00280	0.0	0.0	0.0	0.00230
11.2900E00	13.6942	0.0	0.0	0.78969	0.00280	0.0	0.0	0.0	0.00230
11.3100E00	13.6924	0.0	0.0	2.33718	0.00280	0.0	0.0	0.0	0.00230
11.3200E00	13.6915	0.0	0.0	3.66434	0.00280	0.0	0.0	0.0	0.00230
11.3300E00	13.6906	0.0	0.0	2.33790	0.00280	0.0	0.0	0.0	0.00231
11.3500E00	13.6889	0.0	0.0	0.78775	0.00280	0.0	0.0	0.0	0.00231
11.3700E00	13.6871	0.0	0.0	0.49029	0.00280	0.0	0.0	0.0	0.00231

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.4000E00	13.6845	9.26763	8.89509	9.24272	0.37254	0.0	0.0	0.0	0.37254
11.6000E00	13.6671	9.13202	8.84084	9.10727	0.29119	0.0	0.0	0.0	0.29119
12.0000E00	13.6332	9.00892	8.73536	8.98446	0.27356	0.0	0.0	0.0	0.27356
13.0000E00	13.5531	8.74229	8.47705	8.71856	0.26525	0.0	0.0	0.0	0.26525
14.0000E00	13.4790	8.48902	8.20552	8.46604	0.28350	0.0	0.0	0.0	0.28350
15.0000E00	13.4100	8.22472	7.89558	8.20261	0.32914	0.0	0.0	0.0	0.32914
18.0000E00	13.2277	6.87408	5.92850	6.85748	0.94558	0.0	0.0	0.0	0.94558
19.0000E00	13.1737	6.61021	4.64371	6.59721	1.96651	0.0	0.0	0.0	1.96651
19.4000E00	13.1528	6.81422	3.80622	6.80356	3.00800	0.0	0.0	0.0	3.00800
19.5000E00	13.1477	7.00559	3.54779	6.99565	3.45780	0.0	0.0	0.0	3.45780
19.5500E00	13.1451	7.31739	3.40945	7.30784	3.90794	0.0	0.0	0.0	3.90794
19.5700E00	13.1441	7.81810	3.35231	7.80871	4.46579	0.0	0.0	0.0	4.46579
19.5900E00	13.1431	10.27115	3.29416	10.26193	6.97699	0.0	0.0	0.0	6.97699
19.6000E00	13.1426	12.35933	3.26471	12.35019	9.09462	0.0	0.0	0.0	9.09462
19.6100E00	13.1421	10.31903	3.23481	10.30997	7.08422	0.0	0.0	0.0	7.08422
19.6300E00	13.1410	7.95827	3.17424	7.94938	4.78403	0.0	0.0	0.0	4.78403
19.6500E00	13.1400	7.55060	3.11259	7.54188	4.43801	0.0	0.0	0.0	4.43801
19.7000E00	13.1375	7.47815	2.95327	7.46988	4.52487	0.0	0.0	0.0	4.52487
19.8000E00	13.1324	7.81901	2.61090	7.81170	5.20811	0.0	0.0	0.0	5.20811
20.0000E00	13.1224	9.21990	1.82273	9.21480	7.39717	0.0	0.0	0.0	7.39717

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.4000E00	13.6845	0.0	0.0	0.37254	0.00280	0.0	0.0	0.0	0.00231
11.6000E00	13.6671	0.0	0.0	0.29119	0.00280	0.0	0.0	0.0	0.00233
12.0000E00	13.6332	0.0	0.0	0.27356	0.00280	0.0	0.0	0.0	0.00237
13.0000E00	13.5531	0.0	0.0	0.26525	0.00280	0.0	0.0	0.0	0.00247
14.0000E00	13.4790	0.0	0.0	0.28350	0.00280	0.0	0.0	0.0	0.00256
15.0000E00	13.4100	0.0	0.0	0.32914	0.00280	0.0	0.0	0.0	0.00265
18.0000E00	13.2277	0.0	0.0	0.94558	0.00280	0.0	0.0	0.0	0.00291
19.0000E00	13.1737	0.0	0.0	1.96651	0.00280	0.0	0.0	0.0	0.00299
19.4000E00	13.1528	0.0	0.0	3.00800	0.00280	0.0	0.0	0.0	0.00302
19.5000E00	13.1477	0.0	0.0	3.45780	0.00280	0.0	0.0	0.0	0.00303
19.5500E00	13.1451	0.0	0.0	3.90794	0.00280	0.0	0.0	0.0	0.00303
19.5700E00	13.1441	0.0	0.0	4.46579	0.00280	0.0	0.0	0.0	0.00303
19.5900E00	13.1431	0.0	0.0	6.97699	0.00280	0.0	0.0	0.0	0.00303
19.6000E00	13.1426	0.0	0.0	9.09462	0.00280	0.0	0.0	0.0	0.00303
19.6100E00	13.1421	0.0	0.0	7.08422	0.00280	0.0	0.0	0.0	0.00303
19.6300E00	13.1410	0.0	0.0	4.78403	0.00280	0.0	0.0	0.0	0.00304
19.6500E00	13.1400	0.0	0.0	4.43801	0.00280	0.0	0.0	0.0	0.00304
19.7000E00	13.1375	0.0	0.0	4.52487	0.00280	0.0	0.0	0.0	0.00304
19.8000E00	13.1324	0.0	0.0	5.20811	0.00280	0.0	0.0	0.0	0.00305
20.0000E00	13.1224	0.0	0.0	7.39717	0.00280	0.0	0.0	0.0	0.00306

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
20.5000E00	13.0977	28.97407	0.07447	28.97386	28.89960	0.0	0.0	0.0	28.89960
20.8000E00	13.0831	202.37100	24.68775	202.30100	177.68300	0.0	0.0	0.0	177.68300
20.9000E00	13.0783	853.97300	160.60700	853.52300	693.36600	0.0	0.0	0.0	693.36600
20.9500E00	13.0760	3280.06600	731.17300	3278.01800	2548.89300	0.0	0.0	0.0	2548.89300
20.9700E00	13.0750	7799.88600	1848.52900	7794.71000	5951.35700	0.0	0.0	0.0	5951.35700
20.9900E00	13.0740	23926.30100	6008.00700	23909.47800	17918.29400	0.0	0.0	0.0	17918.29400
21.0000E00	13.0736	32263.41400	8329.16600	32240.09200	23934.24900	0.0	0.0	0.0	23934.24900
21.0100E00	13.0731	24374.11600	6464.35400	24356.01500	17909.76300	0.0	0.0	0.0	17909.76300
21.0300E00	13.0721	8245.87400	2303.01300	8239.42600	5942.86200	0.0	0.0	0.0	5942.86200
21.0500E00	13.0712	3598.25200	1055.42000	3595.29700	2542.83200	0.0	0.0	0.0	2542.83200
21.1000E00	13.0688	1026.84100	336.76600	1025.89800	690.07400	0.0	0.0	0.0	690.07400
21.2000E00	13.0641	290.68300	114.68100	290.36200	176.00200	0.0	0.0	0.0	176.00200
21.5000E00	13.0500	64.41917	36.19131	64.31784	28.22787	0.0	0.0	0.0	28.22787
22.0000E00	13.0271	26.72205	19.65493	26.66702	7.06712	0.0	0.0	0.0	7.06712
24.0000E00	12.9400	11.97967	11.10497	11.94858	0.87470	0.0	0.0	0.0	0.87470
25.0000E00	12.8992	10.60676	10.04707	10.57862	0.55969	0.0	0.0	0.0	0.55969
30.0000E00	12.7169	7.60125	7.14079	7.58126	0.46046	0.0	0.0	0.0	0.46046
35.0000E00	12.5627	5.75514	0.79696	5.75291	4.95818	0.0	0.0	0.0	4.95818
36.0000E00	12.5346	28.57522	4.03012	28.56393	24.54510	0.0	0.0	0.0	24.54510
36.5000E00	12.5208	284.41000	112.74000	284.09400	171.67000	0.0	0.0	0.0	171.67000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
20.5000E00	13.0977	0.0	0.0	28.89960	0.00280	0.0	0.0	0.0	0.00310
20.8000E00	13.0831	0.0	0.0	177.68300	0.00280	0.0	0.0	0.0	0.00312
20.9000E00	13.0783	0.0	0.0	693.36600	0.00280	0.0	0.0	0.0	0.00313
20.9500E00	13.0760	0.0	0.0	2548.89300	0.00280	0.0	0.0	0.0	0.00314
20.9700E00	13.0750	0.0	0.0	5951.35700	0.00280	0.0	0.0	0.0	0.00314
20.9900E00	13.0740	0.0	0.0	17918.29400	0.00280	0.0	0.0	0.0	0.00314
21.0000E00	13.0736	0.0	0.0	23934.24900	0.00280	0.0	0.0	0.0	0.00314
21.0100E00	13.0731	0.0	0.0	17909.76300	0.00280	0.0	0.0	0.0	0.00314
21.0300E00	13.0721	0.0	0.0	5942.86200	0.00280	0.0	0.0	0.0	0.00314
21.0500E00	13.0712	0.0	0.0	2542.83200	0.00280	0.0	0.0	0.0	0.00314
21.1000E00	13.0688	0.0	0.0	690.07400	0.00280	0.0	0.0	0.0	0.00315
21.2000E00	13.0641	0.0	0.0	176.00200	0.00280	0.0	0.0	0.0	0.00315
21.5000E00	13.0500	0.0	0.0	28.22787	0.00280	0.0	0.0	0.0	0.00318
22.0000E00	13.0271	0.0	0.0	7.06712	0.00280	0.0	0.0	0.0	0.00321
24.0000E00	12.9400	0.0	0.0	0.87470	0.00280	0.0	0.0	0.0	0.00336
25.0000E00	12.8992	0.0	0.0	0.55969	0.00280	0.0	0.0	0.0	0.00343
30.0000E00	12.7169	0.0	0.0	0.46046	0.00280	0.0	0.0	0.0	0.00375
35.0000E00	12.5627	0.0	0.0	4.95818	0.00280	0.0	0.0	0.0	0.00405
36.0000E00	12.5346	0.0	0.0	24.54510	0.00280	0.0	0.0	0.0	0.00411
36.5000E00	12.5208	0.0	0.0	171.67000	0.00280	0.0	0.0	0.0	0.00414

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
36.6000E00	12.5180	684.07000	302.96500	683.22100	381.10500	0.0	0.0	0.0	381.10500
36.7000E00	12.5153	2784.52600	1353.98300	2780.73500	1430.54300	0.0	0.0	0.0	1430.54300
36.7500E00	12.5140	9341.43200	4733.43100	9328.17800	4608.00000	0.0	0.0	0.0	4608.00000
36.7700E00	12.5134	18056.67900	9293.19600	18030.65800	8763.48300	0.0	0.0	0.0	8763.48300
36.7900E00	12.5129	33429.61800	17466.67900	33380.71100	15962.93900	0.0	0.0	0.0	15962.93900
36.8000E00	12.5126	37556.72700	19768.11700	37501.37600	17788.61000	0.0	0.0	0.0	17788.61000
36.8100E00	12.5123	33967.72200	18009.12000	33917.29600	15958.60200	0.0	0.0	0.0	15958.60200
36.8300E00	12.5118	18942.67300	10186.33200	18914.15100	8756.34200	0.0	0.0	0.0	8756.34200
36.8500E00	12.5112	10117.66700	5515.92500	10102.22200	4601.74300	0.0	0.0	0.0	4601.74300
36.9000E00	12.5099	3266.14100	1839.48100	3260.99100	1426.66100	0.0	0.0	0.0	1426.66100
37.0000E00	12.5072	940.29000	561.25100	938.71800	379.03800	0.0	0.0	0.0	379.03800
37.5000E00	12.4938	114.12500	82.74166	113.89300	31.38296	0.0	0.0	0.0	31.38296
38.0000E00	12.4805	54.52099	43.87726	54.39813	10.64372	0.0	0.0	0.0	10.64372
40.0000E00	12.4292	21.21191	19.72488	21.15668	1.48704	0.0	0.0	0.0	1.48704
44.0000E00	12.3339	13.84150	13.53636	13.80360	0.30514	0.0	0.0	0.0	0.30514
45.0000E00	12.3114	13.19551	12.94782	13.15926	0.24769	0.0	0.0	0.0	0.24769
45.1000E00	12.3092	13.16076	12.89626	13.12465	0.26450	0.0	0.0	0.0	0.26450
45.1500E00	12.3081	13.21606	12.87090	13.18003	0.34516	0.0	0.0	0.0	0.34516
45.1700E00	12.3077	13.37602	12.86084	13.34001	0.51517	0.0	0.0	0.0	0.51517
45.1900E00	12.3072	14.25930	12.85085	14.22331	1.40845	0.0	0.0	0.0	1.40845

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
36.6000E00	12.5180	0.0	0.0	381.10500	0.00280	0.0	0.0	0.0	0.00414
36.7000E00	12.5153	0.0	0.0	1430.54300	0.00280	0.0	0.0	0.0	0.00415
36.7500E00	12.5140	0.0	0.0	4608.00000	0.00280	0.0	0.0	0.0	0.00415
36.7700E00	12.5134	0.0	0.0	8763.48300	0.00280	0.0	0.0	0.0	0.00415
36.7900E00	12.5129	0.0	0.0	15962.93900	0.00280	0.0	0.0	0.0	0.00416
36.8000E00	12.5126	0.0	0.0	17788.61000	0.00280	0.0	0.0	0.0	0.00416
36.8100E00	12.5123	0.0	0.0	15958.60200	0.00280	0.0	0.0	0.0	0.00416
36.8300E00	12.5118	0.0	0.0	8756.34200	0.00280	0.0	0.0	0.0	0.00416
36.8500E00	12.5112	0.0	0.0	4601.74300	0.00280	0.0	0.0	0.0	0.00416
36.9000E00	12.5099	0.0	0.0	1426.66100	0.00280	0.0	0.0	0.0	0.00416
37.0000E00	12.5072	0.0	0.0	379.03800	0.00280	0.0	0.0	0.0	0.00417
37.5000E00	12.4938	0.0	0.0	31.38296	0.00280	0.0	0.0	0.0	0.00419
38.0000E00	12.4805	0.0	0.0	10.64372	0.00280	0.0	0.0	0.0	0.00422
40.0000E00	12.4292	0.0	0.0	1.48704	0.00280	0.0	0.0	0.0	0.00433
44.0000E00	12.3339	0.0	0.0	0.30514	0.00280	0.0	0.0	0.0	0.00454
45.0000E00	12.3114	0.0	0.0	0.24769	0.00280	0.0	0.0	0.0	0.00460
45.1000E00	12.3092	0.0	0.0	0.26450	0.00280	0.0	0.0	0.0	0.00460
45.1500E00	12.3081	0.0	0.0	0.34516	0.00280	0.0	0.0	0.0	0.00460
45.1700E00	12.3077	0.0	0.0	0.51517	0.00280	0.0	0.0	0.0	0.00460
45.1900E00	12.3072	0.0	0.0	1.40845	0.00280	0.0	0.0	0.0	0.00461

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
45.2000E00	12.3070	15.02003	12.84588	14.98406	2.17415	0.0	0.0	0.0	2.17415
45.2100E00	12.3068	14.24860	12.84087	14.21264	1.40773	0.0	0.0	0.0	1.40773
45.2300E00	12.3063	13.34333	12.83090	13.30741	0.51243	0.0	0.0	0.0	0.51243
45.2500E00	12.3059	13.16140	12.82100	13.12550	0.34040	0.0	0.0	0.0	0.34040
45.3000E00	12.3048	13.05124	12.79645	13.01541	0.25479	0.0	0.0	0.0	0.25479
45.4000E00	12.3026	12.97627	12.74811	12.94058	0.22816	0.0	0.0	0.0	0.22816
45.5000E00	12.3004	12.92034	12.70077	12.88478	0.21957	0.0	0.0	0.0	0.21957
46.0000E00	12.2895	12.67444	12.47772	12.63950	0.19672	0.0	0.0	0.0	0.19672
48.0000E00	12.2469	11.89774	11.75467	11.86483	0.14307	0.0	0.0	0.0	0.14307
50.0000E00	12.2061	11.31158	11.19628	11.28023	0.11530	0.0	0.0	0.0	0.11530
55.0000E00	12.1108	10.13894	10.03688	10.11083	0.10206	0.0	0.0	0.0	0.10206
60.0000E00	12.0238	8.69251	8.49509	8.66872	0.19742	0.0	0.0	0.0	0.19742
62.0000E00	11.9910	7.64893	7.26430	7.62859	0.38463	0.0	0.0	0.0	0.38463
63.0000E00	11.9750	6.85521	6.21014	6.83782	0.64506	0.0	0.0	0.0	0.64506
63.4000E00	11.9686	6.48950	5.62231	6.47376	0.86719	0.0	0.0	0.0	0.86719
63.5000E00	11.9671	6.48660	5.45386	6.47133	1.03274	0.0	0.0	0.0	1.03274
63.5500E00	11.9663	6.82420	5.36595	6.80918	1.45825	0.0	0.0	0.0	1.45825
63.5700E00	11.9660	7.60783	5.33020	7.59290	2.27763	0.0	0.0	0.0	2.27763
63.5900E00	11.9656	11.79708	5.29477	11.78226	6.50231	0.0	0.0	0.0	6.50231
63.6000E00	11.9655	15.39282	5.27722	15.37804	10.11559	0.0	0.0	0.0	10.11559

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
45.2000E00	12.3070	0.0	0.0	2.17415	0.00280	0.0	0.0	0.0	0.00461
45.2100E00	12.3068	0.0	0.0	1.40773	0.00280	0.0	0.0	0.0	0.00461
45.2300E00	12.3063	0.0	0.0	0.51243	0.00280	0.0	0.0	0.0	0.00461
45.2500E00	12.3059	0.0	0.0	0.34040	0.00280	0.0	0.0	0.0	0.00461
45.3000E00	12.3048	0.0	0.0	0.25479	0.00280	0.0	0.0	0.0	0.00461
45.4000E00	12.3026	0.0	0.0	0.22816	0.00280	0.0	0.0	0.0	0.00462
45.5000E00	12.3004	0.0	0.0	0.21957	0.00280	0.0	0.0	0.0	0.00462
46.0000E00	12.2895	0.0	0.0	0.19672	0.00280	0.0	0.0	0.0	0.00465
48.0000E00	12.2469	0.0	0.0	0.14307	0.00280	0.0	0.0	0.0	0.00475
50.0000E00	12.2061	0.0	0.0	0.11530	0.00280	0.0	0.0	0.0	0.00484
55.0000E00	12.1108	0.0	0.0	0.10206	0.00280	0.0	0.0	0.0	0.00508
60.0000E00	12.0238	0.0	0.0	0.19742	0.00280	0.0	0.0	0.0	0.00531
62.0000E00	11.9910	0.0	0.0	0.38463	0.00280	0.0	0.0	0.0	0.00539
63.0000E00	11.9750	0.0	0.0	0.64506	0.00280	0.0	0.0	0.0	0.00544
63.4000E00	11.9686	0.0	0.0	0.86719	0.00280	0.0	0.0	0.0	0.00545
63.5000E00	11.9671	0.0	0.0	1.03274	0.00280	0.0	0.0	0.0	0.00546
63.5500E00	11.9663	0.0	0.0	1.45825	0.00280	0.0	0.0	0.0	0.00546
63.5700E00	11.9660	0.0	0.0	2.27763	0.00280	0.0	0.0	0.0	0.00546
63.5900E00	11.9656	0.0	0.0	6.50231	0.00280	0.0	0.0	0.0	0.00546
63.6000E00	11.9655	0.0	0.0	10.11559	0.00280	0.0	0.0	0.0	0.00546

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
63.6100E00	11.9653	11.77591	5.25797	11.76119	6.51794	0.0	0.0	0.0	6.51794
63.6300E00	11.9650	7.54233	5.21979	7.52771	2.32254	0.0	0.0	0.0	2.32254
63.6500E00	11.9647	6.71441	5.18190	6.69990	1.53251	0.0	0.0	0.0	1.53251
63.7000E00	11.9639	6.26652	5.08552	6.25228	1.18100	0.0	0.0	0.0	1.18100
63.8000E00	11.9623	6.04994	4.88370	6.03627	1.16624	0.0	0.0	0.0	1.16624
64.0000E00	11.9592	5.79646	4.43923	5.78403	1.35723	0.0	0.0	0.0	1.35723
65.0000E00	11.9437	5.88597	1.09156	5.88292	4.79442	0.0	0.0	0.0	4.79442
66.0000E00	11.9284	961.63800	420.48900	960.46100	541.14900	0.0	0.0	0.0	541.14900
66.0500E00	11.9277	3536.22600	1676.40700	3531.53200	1859.82000	0.0	0.0	0.0	1859.82000
66.0700E00	11.9274	7571.12200	3695.85700	7560.77400	3875.26600	0.0	0.0	0.0	3875.26600
66.0900E00	11.9271	16983.58800	8523.52600	16959.72200	8460.06300	0.0	0.0	0.0	8460.06300
66.1000E00	11.9269	20203.14800	10275.08100	20174.37700	9928.06800	0.0	0.0	0.0	9928.06800
66.1100E00	11.9268	17448.54600	8989.76400	17423.37400	8458.78300	0.0	0.0	0.0	8458.78300
66.1300E00	11.9265	8209.96500	4336.45800	8197.82300	3873.50700	0.0	0.0	0.0	3873.50700
66.1500E00	11.9262	4047.13000	2188.71700	4041.00200	1858.41300	0.0	0.0	0.0	1858.41300
66.2000E00	11.9254	1258.81800	718.48600	1256.80600	540.33100	0.0	0.0	0.0	540.33100
66.4000E00	11.9224	190.91700	127.89500	190.55900	63.02222	0.0	0.0	0.0	63.02222
66.5000E00	11.9209	122.02700	86.49182	121.78500	35.53506	0.0	0.0	0.0	35.53506
67.0000E00	11.9134	42.20710	35.17028	42.10862	7.03682	0.0	0.0	0.0	7.03682
68.0000E00	11.8986	21.82560	20.23470	21.76894	1.59090	0.0	0.0	0.0	1.59090

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
63.6100E00	11.9653	0.0	0.0	6.51794	0.00280	0.0	0.0	0.0	0.00546
63.6300E00	11.9650	0.0	0.0	2.32254	0.00280	0.0	0.0	0.0	0.00546
63.6500E00	11.9647	0.0	0.0	1.53251	0.00280	0.0	0.0	0.0	0.00547
63.7000E00	11.9639	0.0	0.0	1.18100	0.00280	0.0	0.0	0.0	0.00547
63.8000E00	11.9623	0.0	0.0	1.16624	0.00280	0.0	0.0	0.0	0.00547
64.0000E00	11.9592	0.0	0.0	1.35723	0.00280	0.0	0.0	0.0	0.00548
65.0000E00	11.9437	0.0	0.0	4.79442	0.00280	0.0	0.0	0.0	0.00552
66.0000E00	11.9284	0.0	0.0	541.14900	0.00280	0.0	0.0	0.0	0.00557
66.0500E00	11.9277	0.0	0.0	1859.82000	0.00280	0.0	0.0	0.0	0.00557
66.0700E00	11.9274	0.0	0.0	3875.26600	0.00280	0.0	0.0	0.0	0.00557
66.0900E00	11.9271	0.0	0.0	8460.06300	0.00280	0.0	0.0	0.0	0.00557
66.1000E00	11.9269	0.0	0.0	9928.06800	0.00280	0.0	0.0	0.0	0.00557
66.1100E00	11.9268	0.0	0.0	8458.78300	0.00280	0.0	0.0	0.0	0.00557
66.1300E00	11.9265	0.0	0.0	3873.50700	0.00280	0.0	0.0	0.0	0.00557
66.1500E00	11.9262	0.0	0.0	1858.41300	0.00280	0.0	0.0	0.0	0.00557
66.2000E00	11.9254	0.0	0.0	540.33100	0.00280	0.0	0.0	0.0	0.00557
66.4000E00	11.9224	0.0	0.0	63.02222	0.00280	0.0	0.0	0.0	0.00558
66.5000E00	11.9209	0.0	0.0	35.53506	0.00280	0.0	0.0	0.0	0.00559
67.0000E00	11.9134	0.0	0.0	7.03682	0.00280	0.0	0.0	0.0	0.00561
68.0000E00	11.8986	0.0	0.0	1.59090	0.00280	0.0	0.0	0.0	0.00565

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
70.0000E00	11.8696	14.97675	14.58144	14.93592	0.39531	0.0	0.0	0.0	0.39531
75.0000E00	11.8006	11.64548	11.53747	11.61318	0.10802	0.0	0.0	0.0	0.10802
80.0000E00	11.7361	9.92567	9.23245	9.89982	0.69322	0.0	0.0	0.0	0.69322
80.5000E00	11.7298	11.56177	7.02540	11.54209	4.53636	0.0	0.0	0.0	4.53636
80.6000E00	11.7286	15.62733	5.52653	15.61186	10.10081	0.0	0.0	0.0	10.10081
80.7000E00	11.7274	41.89701	2.22845	41.89077	39.66857	0.0	0.0	0.0	39.66857
80.7500E00	11.7267	151.31400	0.82718	151.31100	150.48700	0.0	0.0	0.0	150.48700
80.7700E00	11.7265	381.51400	8.12780	381.49200	373.38700	0.0	0.0	0.0	373.38700
80.7900E00	11.7262	1526.47500	84.93934	1526.23700	1441.53600	0.0	0.0	0.0	1441.53600
80.8000E00	11.7261	2435.66800	191.48800	2435.13200	2244.18000	0.0	0.0	0.0	2244.18000
80.8100E00	11.7260	1609.91400	168.55700	1609.44200	1441.35700	0.0	0.0	0.0	1441.35700
80.8300E00	11.7257	446.32800	73.07993	446.12300	373.24800	0.0	0.0	0.0	373.24800
80.8500E00	11.7255	194.82400	44.43070	194.70000	150.39300	0.0	0.0	0.0	150.39300
80.9000E00	11.7249	64.77749	25.15816	64.70705	39.61933	0.0	0.0	0.0	39.61933
81.0000E00	11.7236	27.16839	17.09290	27.12052	10.07549	0.0	0.0	0.0	10.07549
81.5000E00	11.7175	12.99213	12.11490	12.95821	0.87722	0.0	0.0	0.0	0.87722
82.0000E00	11.7114	11.62653	11.29003	11.59491	0.33650	0.0	0.0	0.0	0.33650
83.0000E00	11.6993	10.80606	10.66004	10.77621	0.14602	0.0	0.0	0.0	0.14602
83.4000E00	11.6944	10.75939	10.50758	10.72997	0.25181	0.0	0.0	0.0	0.25181
83.4500E00	11.6938	11.11982	10.49039	11.09044	0.62943	0.0	0.0	0.0	0.62943

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
70.0000E00	11.8696	0.0	0.0	0.39531	0.00280	0.0	0.0	0.0	0.00573
75.0000E00	11.8006	0.0	0.0	0.10802	0.00280	0.0	0.0	0.0	0.00593
80.0000E00	11.7361	0.0	0.0	0.69322	0.00280	0.0	0.0	0.0	0.00613
80.5000E00	11.7298	0.0	0.0	4.53636	0.00280	0.0	0.0	0.0	0.00615
80.6000E00	11.7286	0.0	0.0	10.10081	0.00280	0.0	0.0	0.0	0.00615
80.7000E00	11.7274	0.0	0.0	39.66857	0.00280	0.0	0.0	0.0	0.00615
80.7500E00	11.7267	0.0	0.0	150.48700	0.00280	0.0	0.0	0.0	0.00616
80.7700E00	11.7265	0.0	0.0	373.38700	0.00280	0.0	0.0	0.0	0.00616
80.7900E00	11.7262	0.0	0.0	1441.53600	0.00280	0.0	0.0	0.0	0.00616
80.8000E00	11.7261	0.0	0.0	2244.18000	0.00280	0.0	0.0	0.0	0.00616
80.8100E00	11.7260	0.0	0.0	1441.35700	0.00280	0.0	0.0	0.0	0.00616
80.8300E00	11.7257	0.0	0.0	373.24800	0.00280	0.0	0.0	0.0	0.00616
80.8500E00	11.7255	0.0	0.0	150.39300	0.00280	0.0	0.0	0.0	0.00616
80.9000E00	11.7249	0.0	0.0	39.61933	0.00280	0.0	0.0	0.0	0.00616
81.0000E00	11.7236	0.0	0.0	10.07549	0.00280	0.0	0.0	0.0	0.00617
81.5000E00	11.7175	0.0	0.0	0.87722	0.00280	0.0	0.0	0.0	0.00618
82.0000E00	11.7114	0.0	0.0	0.33650	0.00280	0.0	0.0	0.0	0.00620
83.0000E00	11.6993	0.0	0.0	0.14602	0.00280	0.0	0.0	0.0	0.00624
83.4000E00	11.6944	0.0	0.0	0.25181	0.00280	0.0	0.0	0.0	0.00626
83.4500E00	11.6938	0.0	0.0	0.62943	0.00280	0.0	0.0	0.0	0.00626

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
83.4700E00	11.6936	11.89306	10.48378	11.86370	1.40928	0.0	0.0	0.0	1.40928
83.4900E00	11.6934	15.96775	10.47815	15.93841	5.48960	0.0	0.0	0.0	5.48960
83.5000E00	11.6932	19.45982	10.47576	19.43049	8.98406	0.0	0.0	0.0	8.98406
83.5100E00	11.6931	15.96088	10.47142	15.93156	5.48946	0.0	0.0	0.0	5.48946
83.5300E00	11.6929	11.87097	10.46358	11.84167	1.40738	0.0	0.0	0.0	1.40738
83.5500E00	11.6927	11.08252	10.45672	11.05324	0.62580	0.0	0.0	0.0	0.62580
83.6000E00	11 6921	10.68429	10.44022	10.65506	0.24408	0.0	0.0	0.0	0.24408
83.8000E00	11.6897	10.49557	10.37710	10.46652	0.11848	0.0	0.0	0.0	0.11848
84.0000E00	11.6873	10.42117	10.31743	10.39228	0.10374	0.0	0.0	0.0	0.10374
85.0000E00	11.6754	10.13639	10.05159	10.10825	0.08480	0.0	0.0	0.0	0.08480
86.0000E00	11.6637	9.89235	9.81229	9.86488	0.08006	0.0	0.0	0.0	0.08006
88.0000E00	11.6408	8.87367	8.78413	8.84907	0.08954	0.0	0.0	0.0	0.08954
89.0000E00	11.6295	8.63945	8.48954	8.61568	0.14991	0.0	0.0	0.0	0.14991
89.4000E00	11.6250	9.67698	8.06282	9.65440	1.61415	0.0	0.0	0.0	1.61415
89.4500E00	11.6244	13.60115	7.68465	13.57963	5.91650	0.0	0.0	0.0	5.91650
89.4700E00	11.6242	22.05449	7.30332	22.03404	14.75117	0.0	0.0	0.0	14.75117
89.4900E00	11.6240	67.76852	6.99907	67.74892	60.76946	0.0	0.0	0.0	60.76946
89.5000E00	11.6239	108.75000	8.79192	108.72500	99.95761	0.0	0.0	0.0	99.95761
89.5100E00	11.6237	71.07845	10.31562	71.04956	60.76283	0.0	0.0	0.0	60.76283
89.5300E00	11.6235	24.44205	9.69532	24.41491	14.74674	0.0	0.0	0.0	14.74674

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
83.4700E00	11.6936	0.0	0.0	1.40928	0.00280	0.0	0.0	0.0	0.00626
83.4900E00	11.6934	0.0	0.0	5.48960	0.00280	0.0	0.0	0.0	0.00626
83.5000E00	11.6932	0.0	0.0	8.98406	0.00280	0.0	0.0	0.0	0.00626
83.5100E00	11.6931	0.0	0.0	5.48946	0.00280	0.0	0.0	0.0	0.00626
83.5300E00	11.6929	0.0	0.0	1.40738	0.00280	0.0	0.0	0.0	0.00626
83.5500E00	11.6927	0.0	0.0	0.62580	0.00280	0.0	0.0	0.0	0.00626
83.6000E00	11.6921	0.0	0.0	0.24408	0.00280	0.0	0.0	0.0	0.00626
83.8000E00	11.6897	0.0	0.0	0.11848	0.00280	0.0	0.0	0.0	0.00627
84.0000E00	11.6873	0.0	0.0	0.10374	0.00280	0.0	0.0	0.0	0.00628
85.0000E00	11.6754	0.0	0.0	0.08480	0.00280	0.0	0.0	0.0	0.00632
86.0000E00	11.6637	0.0	0.0	0.08006	0.00280	0.0	0.0	0.0	0.00635
88.0000E00	11.6408	0.0	0.0	0.08954	0.00280	0.0	0.0	0.0	0.00643
89.0000E00	11.6295	0.0	0.0	0.14991	0.00280	0.0	0.0	0.0	0.00646
89.4000E00	11.6250	0.0	0.0	1.61415	0.00280	0.0	0.0	0.0	0.00648
89.4500E00	11.6244	0.0	0.0	5.91650	0.00280	0.0	0.0	0.0	0.00648
89.4700E00	11.6242	0.0	0.0	14.75117	0.00280	0.0	0.0	0.0	0.00648
89.4900E00	11.6240	0.0	0.0	60.76946	0.00280	0.0	0.0	0.0	0.00648
89.5000E00	11.6239	0.0	0.0	99.95761	0.00280	0.0	0.0	0.0	0.00648
89.5100E00	11.6237	0.0	0.0	60.76283	0.00280	0.0	0.0	0.0	0.00648
89.5300E00	11.6235	0.0	0.0	14.74674	0.00280	0.0	0.0	0.0	0.00648

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
89.5500E00	11.6233	15.16734	9.25330	15.14143	5.91404	0.0	0.0	0.0	5.91404
89.6000E00	11.6227	10.45948	8.84543	10.43471	1.61405	0.0	0.0	0.0	1.61405
89.8000E00	11.6205	8.77845	8.51316	8.75462	0.26529	0.0	0.0	0.0	0.26529
90.0000E00	11.6183	8.56151	8.40396	8.53798	0.15755	0.0	0.0	0.0	0.15755
91.0000E00	11.6072	8.18317	8.06932	8.16058	0.11385	0.0	0.0	0.0	0.11385
92.0000E00	11.5963	7.72594	7.60065	7.70465	0.12529	0.0	0.0	0.0	0.12529
93.0000E00	11.5855	7.40353	7.24617	7.38324	0.15737	0.0	0.0	0.0	0.15737
93.1000E00	11.5844	7.40637	7.20808	7.38619	0.19829	0.0	0.0	0.0	0.19829
93.1500E00	11.5839	7.53418	7.18884	7.51406	0.34534	0.0	0.0	0.0	0.34534
93.1700E00	11.5837	7.82675	7.18114	7.80665	0.64561	0.0	0.0	0.0	0.64561
93.1900E00	11.5835	9.38708	7.17357	9.36699	2.21351	0.0	0.0	0.0	2.21351
93.2000E00	11.5833	10.72619	7.16984	10.70612	3.55635	0.0	0.0	0.0	3.55635
93.2100E00	11.5832	9.38002	7.16578	9.35996	2.21424	0.0	0.0	0.0	2.21424
93.2300E00	11.5830	7.80507	7.15779	7.78503	0.64728	0.0	0.0	0.0	0.64728
93.2500E00	11.5828	7.49788	7.14992	7.47786	0.34796	0.0	0.0	0.0	0.34796
93.3000E00	11.5823	7.33360	7.13022	7.31363	0.20337	0.0	0.0	0.0	0.20337
93.4000E00	11.5812	7.25787	7.09042	7.23802	0.16746	0.0	0.0	0.0	0.16746
93.5000E00	11.5801	7.21297	7.05001	7.19323	0.16296	0.0	0.0	0.0	0.16296
94.0000E00	11.5748	7.01144	6.83814	6.99230	0.17330	0.0	0.0	0.0	0.17330
96.0000E00	11.5537	6.04432	5.76998	6.02816	0.27434	0.0	0.0	0.0	0.27434

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
89.5500E00	11.6233	0.0	0.0	5.91404	0.00280	0.0	0.0	0.0	0.00648
89.6000E00	11.6227	0.0	0.0	1.61405	0.00280	0.0	0.0	0.0	0.00648
89.8000E00	11.6205	0.0	0.0	0.26529	0.00280	0.0	0.0	0.0	0.00649
90.0000E00	11.6183	0.0	0.0	0.15755	0.00280	0.0	0.0	0.0	0.00650
91.0000E00	11.6072	0.0	0.0	0.11385	0.00280	0.0	0.0	0.0	0.00653
92.0000E00	11.5963	0.0	0.0	0.12529	0.00280	0.0	0.0	0.0	0.00657
93.0000E00	11.5855	0.0	0.0	0.15737	0.00280	0.0	0.0	0.0	0.00661
93.1000E00	11.5844	0.0	0.0	0.19829	0.00280	0.0	0.0	0.0	0.00661
93.1500E00	11.5839	0.0	0.0	0.34534	0.00280	0.0	0.0	0.0	0.00661
93.1700E00	11.5837	0.0	0.0	0.64561	0.00280	0.0	0.0	0.0	0.00661
93.1900E00	11.5835	0.0	0.0	2.21351	0.00280	0.0	0.0	0.0	0.00661
93.2000E00	11.5833	0.0	0.0	3.55635	0.00280	0.0	0.0	0.0	0.00661
93.2100E00	11.5832	0.0	0.0	2.21424	0.00280	0.0	0.0	0.0	0.00661
93.2300E00	11.5830	0.0	0.0	0.64728	0.00280	0.0	0.0	0.0	0.00661
93.2500E00	11.5828	0.0	0.0	0.34796	0.00280	0.0	0.0	0.0	0.00661
93.3000E00	11.5823	0.0	0.0	0.20337	0.00280	0.0	0.0	0.0	0.00662
93.4000E00	11.5812	0.0	0.0	0.16746	0.00280	0.0	0.0	0.0	0.00662
93.5000E00	11.5801	0.0	0.0	0.16296	0.00280	0.0	0.0	0.0	0.00662
94.0000E00	11.5748	0.0	0.0	0.17330	0.00280	0.0	0.0	0.0	0.00664
96.0000E00	11.5537	0.0	0.0	0.27434	0.00280	0.0	0.0	0.0	0.00671

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
100.0000E00	11.5129	2.79282	1.17160	2.78954	1.62122	0.0	0.0	0.0	1.62122

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
100.0000E00	11.5129	0.0	0.0	1.62122	0.00280	0.0	0.0	0.0	0.00685

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.0000E 3	7.8240	15.00000	13.69700	14.96165	1.30300	0.0	0.0	0.0	1.30300
4.1000E 3	7.7994	20.40000	19.11000	20.34649	1.29000	0.0	0.0	0.0	1.29000
4.2500E 3	7.7634	15.75000	14.48000	15.70946	1.27000	0.0	0.0	0.0	1.27000
4.6200E 3	7.6799	14.30000	13.07500	14.26339	1.22500	0.0	0.0	0.0	1.22500
4.9400E 3	7.6130	15.65000	14.46000	15.60951	1.19000	0.0	0.0	0.0	1.19000
5.3300E 3	7.5370	15.20000	14.05000	15.16066	1.15000	0.0	0.0	0.0	1.15000
5.6700E 3	7.4752	13.55000	12.42500	13.51521	1.12500	0.0	0.0	0.0	1.12500
6.0500E 3	7.4103	16.50000	15.41000	16.45685	1.09000	0.0	0.0	0.0	1.09000
6.6000E 3	7.3233	15.55000	14.50000	15.50940	1.05000	0.0	0.0	0.0	1.05000
7.2000E 3	7.2363	15.55000	14.54000	15.50929	1.01000	0.0	0.0	0.0	1.01000
7.8000E 3	7.1562	15.70000	14.72000	15.65878	0.98000	0.0	0.0	0.0	0.98000
8.5500E 3	7.0644	14.80000	13.86000	14.76119	0.94000	0.0	0.0	0.0	0.94000
9.4000E 3	6.9696	15.45000	14.54500	15.40927	0.90500	0.0	0.0	0.0	0.90500
11.0000E 3	6.8124	13.75000	12.91000	13.71385	0.84000	0.0	0.0	0.0	0.84000
14.2500E 3	6.5536	14.25000	13.50000	14.21220	0.75000	0.0	0.0	0.0	0.75000
17.0000E 3	6.3771	14.35000	13.67000	14.31172	0.68000	0.0	0.0	0.0	0.68000
19.5000E 3	6.2399	13.45000	12.82000	13.41410	0.63000	0.0	0.0	0.0	0.63000
22.4000E 3	6.1013	14.00000	13.41500	13.96244	0.58500	0.0	0.0	0.0	0.58500
25.4000E 3	5.9756	13.75000	13.21000	13.71301	0.54000	0.0	0.0	0.0	0.54000
28.5000E 3	5.8604	13.40000	12.89300	13.36390	0.50700	0.0	0.0	0.0	0.50700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.0000E 3	7.8240	0.0	0.0	1.30300	0.00280	0.0	0.0	0.0	0.04321
4.1000E 3	7.7994	0.0	0.0	1.29000	0.00280	0.0	0.0	0.0	0.04375
4.2500E 3	7.7634	0.0	0.0	1.27000	0.00280	0.0	0.0	0.0	0.04454
4.6200E 3	7.6799	0.0	0.0	1.22500	0.00280	0.0	0.0	0.0	0.04642
4.9400E 3	7.6130	0.0	0.0	1.19000	0.00280	0.0	0.0	0.0	0.04799
5.3300E 3	7.5370	0.0	0.0	1.15000	0.00280	0.0	0.0	0.0	0.04984
5.6700E 3	7.4752	0.0	0.0	1.12500	0.00280	0.0	0.0	0.0	0.05139
6.0500E 3	7.4103	0.0	0.0	1.09000	0.00280	0.0	0.0	0.0	0.05307
6.6000E 3	7.3233	0.0	0.0	1.05000	0.00280	0.0	0.0	0.0	0.05541
7.2000E 3	7.2363	0.0	0.0	1.01000	0.00280	0.0	0.0	0.0	0.05786
7.8000E 3	7.1562	0.0	0.0	0.98000	0.00280	0.0	0.0	0.0	0.06019
8.5500E 3	7.0644	0.0	0.0	0.94000	0.00280	0.0	0.0	0.0	0.06299
9.4000E 3	6.9696	0.0	0.0	0.90500	0.00280	0.0	0.0	0.0	0.06601
11.0000E 3	6.8124	0.0	0.0	0.84000	0.00280	0.0	0.0	0.0	0.07133
14.2500E 3	6.5536	0.0	0.0	0.75000	0.00280	0.0	0.0	0.0	0.08102
17.0000E 3	6.3771	0.0	0.0	0.68000	0.00280	0.0	0.0	0.0	0.08833
19.5000E 3	6.2399	0.0	0.0	0.63000	0.00280	0.0	0.0	0.0	0.09445
22.4000E 3	6.1013	0.0	0.0	0.58500	0.00280	0.0	0.0	0.0	0.10104
25.4000E 3	5.9756	0.0	0.0	0.54000	0.00280	0.0	0.0	0.0	0.10738
28.5000E 3	5.8604	0.0	0.0	0.50700	0.00280	0.0	0.0	0.0	0.11351

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
32.5000E 3	5.7291	13.20000	12.73600	13.16434	0.46400	0.0	0.0	0.0	0.46400
39.0000E 3	5.5468	13.40000	12.98600	13.33247	0.41400	0.0	0.0	0.0	0.41400
44.9000E 3	5.4059	13.28000	12.90600	13.03479	0.37400	0.0	0.0	0.0	0.37400
47.0000E 3	5.3602	13.14000	12.76800	12.83484	0.36200	0.0	0.0	0.0	0.36200
50.0000E 3	5.2983	13.00000	12.60300	12.61057	0.34700	0.0	0.0	0.0	0.34700
53.1000E 3	5.2382	12.80000	12.38600	12.35410	0.33400	0.0	0.0	0.0	0.33400
56.0000E 3	5.1850	12.80000	12.37100	12.29526	0.32100	0.0	0.0	0.0	0.32100
61.0000E 3	5.0995	12.80000	12.34100	12.20146	0.30400	0.0	0.0	0.0	0.30400
68.0000E 3	4.9908	12.85000	12.34500	12.12782	0.28300	0.0	0.0	0.0	0.28300
70.0000E 3	4.9618	12.80000	12.27900	12.04853	0.27900	0.0	0.0	0.0	0.27900
75.0000E 3	4.8929	12.73000	12.17400	11.90582	0.26700	0.0	0.0	0.0	0.26700
80.0000E 3	4.8283	12.65000	12.05600	11.76147	0.25700	0.0	0.0	0.0	0.25700
85.0000E 3	4.7677	12.57000	11.93700	11.61981	0.24800	0.0	0.0	0.0	0.24800
90.0000E 3	4.7105	12.47000	11.79700	11.46372	0.24000	0.0	0.0	0.0	0.24000
95.0000E 3	4.6565	12.37000	11.65700	11.31038	0.23300	0.0	0.0	0.0	0.23300
100.0000E 3	4.6052	12.27000	11.51300	11.16475	0.22700	0.0	0.0	0.0	0.22700
120.0000E 3	4.4228	11.92000	10.98500	10.65343	0.20700	0.0	0.0	0.0	0.20700
140.0000E 3	4.2687	11.57400	10.53300	10.17416	0.19100	0.0	0.0	0.0	0.19100
160.0000E 3	4.1352	11.24200	10.12600	9.73424	0.17800	0.0	0.0	0.0	0.17800
180.0000E 3	4.0174	10.91800	9.72700	9.32764	0.16700	0.0	0.0	0.0	0.16700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
32.5000E 3	5.7291	0.0	0.0	0.46400	0.00280	0.0	0.0	0.0	0.12090
39.0000E 3	5.5468	0.0	0.0	0.41400	0.00520	0.0	0.0	0.0	0.13187
44.9000E 3	5.4059	0.0	0.0	0.37400	0.01900	0.0	0.0	0.0	0.14095
47.0000E 3	5.3602	0.01000	0.0	0.37200	0.02390	0.0	0.0	0.0	0.14401
50.0000E 3	5.2983	0.05000	0.0	0.39700	0.03090	0.0	0.0	0.0	0.14824
53.1000E 3	5.2382	0.08000	0.0	0.41400	0.03600	0.0	0.0	0.0	0.15246
56.0000E 3	5.1850	0.10800	0.0	0.42900	0.04080	0.0	0.0	0.0	0.15627
61.0000E 3	5.0995	0.15500	0.0	0.45900	0.04850	0.0	0.0	0.0	0.16256
68.0000E 3	4.9908	0.22200	0.0	0.50500	0.05850	0.0	0.0	0.0	0.17084
70.0000E 3	4.9618	0.24200	0.0	0.52100	0.06120	0.0	0.0	0.0	0.17311
75.0000E 3	4.8929	0.28900	0.0	0.55600	0.06770	0.0	0.0	0.0	0.17860
80.0000E 3	4.8283	0.33700	0.0	0.59400	0.07370	0.0	0.0	0.0	0.18385
85.0000E 3	4.7677	0.38500	0.0	0.63300	0.07960	0.0	0.0	0.0	0.18888
90.0000E 3	4.7105	0.43300	0.0	0.67300	0.08530	0.0	0.0	0.0	0.19372
95.0000E 3	4.6565	0.48000	0.0	0.71300	0.09090	0.0	0.0	0.0	0.19837
100.0000E 3	4.6052	0.53000	0.0	0.75700	0.09600	0.0	0.0	0.0	0.20286
120.0000E 3	4.4228	0.72800	0.0	0.93500	0.11530	0.0	0.0	0.0	0.21930
140.0000E 3	4.2687	0.85000	0.0	1.04100	0.13290	0.0	0.0	0.0	0.23376
160.0000E 3	4.1352	0.93800	0.0	1.11600	0.14890	0.0	0.0	0.0	0.24661
180.0000E 3	4.0174	1.02400	0.0	1.19100	0.16350	0.0	0.0	0.0	0.25812

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
200.0000E 3	3.9120	10.61700	9.37400	8.95780	0.15800	0.0	0.0	0.0	0.15800
220.0000E 3	3.8167	10.34700	9.07000	8.62461	0.15200	0.0	0.0	0.0	0.15200
240.0000E 3	3.7297	10.10000	8.79300	8.32030	0.14600	0.0	0.0	0.0	0.14600
260.0000E 3	3.6497	9.86700	8.53600	8.02835	0.14200	0.0	0.0	0.0	0.14200
280.0000E 3	3.5756	9.65500	8.30200	7.76048	0.13800	0.0	0.0	0.0	0.13800
300.0000E 3	3.5066	9.46700	8.09400	7.51635	0.13300	0.0	0.0	0.0	0.13300
320.0000E 3	3.4420	9.29300	7.89800	7.31060	0.13000	0.0	0.0	0.0	0.13000
340.0000E 3	3.3814	9.13200	7.70900	7.12072	0.12700	0.0	0.0	0.0	0.12700
360.0000E 3	3.3242	8.97800	7.50700	6.94961	0.12500	0.0	0.0	0.0	0.12500
380.0000E 3	3.2702	8.83000	7.32400	6.78441	0.12300	0.0	0.0	0.0	0.12300
400.0000E 3	3.2189	8.68700	7.11090	6.63551	0.12200	0.00010	0.0	0.0	0.12210
420.0000E 3	3.1701	8.55200	6.89688	6.50639	0.12300	0.00012	0.0	0.0	0.12312
440.0000E 3	3.1236	8.43200	6.69686	6.39013	0.12400	0.00014	0.0	0.0	0.12414
460.0000E 3	3.0791	8.32400	6.50882	6.28674	0.12500	0.00018	0.0	0.0	0.12518
480.0000E 3	3.0366	8.23300	6.36878	6.18671	0.12600	0.00022	0.0	0.0	0.12622
500.0000E 3	2.9957	8.16200	6.26172	6.09814	0.12800	0.00028	0.0	0.0	0.12828
520.0000E 3	2.9565	8.08000	6.15566	6.00677	0.13000	0.00034	0.0	0.0	0.13034
540.0000E 3	2.9188	7.98700	6.04257	5.90836	0.13200	0.00043	0.0	0.0	0.13243
550.0000E 3	2.9004	7.94000	5.98852	5.85839	0.13300	0.00048	0.0	0.0	0.13348
560.0000E 3	2.8824	7.89500	5.93548	5.81165	0.13400	0.00052	0.0	0.0	0.13452

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
200.0000E 3	3.9120	1.08500	0.0	1.24300	0.17700	0.0	0.0	0.0	0.26848
220.0000E 3	3.8167	1.12500	0.0	1.27700	0.18990	0.0	0.0	0.0	0.27786
240.0000E 3	3.7297	1.16100	0.0	1.30700	0.20240	0.0	0.0	0.0	0.28637
260.0000E 3	3.6497	1.18900	0.0	1.33100	0.21540	0.0	0.0	0.0	0.29411
280.0000E 3	3.5756	1.21500	0.0	1.35300	0.22820	0.0	0.0	0.0	0.30115
300.0000E 3	3.5066	1.24000	0.0	1.37300	0.24100	0.0	0.0	0.0	0.30757
320.0000E 3	3.4420	1.26500	0.0	1.39500	0.25100	0.0	0.0	0.0	0.31342
340.0000E 3	3.3814	1.29600	0.0	1.42300	0.26090	0.0	0.0	0.0	0.31875
360.0000E 3	3.3242	1.34600	0.0	1.47100	0.27020	0.0	0.0	0.0	0.32361
380.0000E 3	3.2702	1.38300	0.0	1.50600	0.27930	0.0	0.0	0.0	0.32802
400.0000E 3	3.2189	1.45400	0.0	1.57610	0.28850	2.41990	0.0	0.0	0.33199
420.0000E 3	3.1701	1.53200	0.0	1.65512	0.29660	2.42300	0.0	0.0	0.33562
440.0000E 3	3.1236	1.61100	0.0	1.73514	0.30490	2.42610	0.0	0.0	0.33889
460.0000E 3	3.0791	1.69000	0.0	1.81518	0.31300	2.42920	0.0	0.0	0.34184
480.0000E 3	3.0366	1.73800	0.0	1.86422	0.32130	2.43230	0.0	0.0	0.34448
500.0000E 3	2.9957	1.77200	0.0	1.90028	0.32960	2.43550	0.0	0.0	0.34683
520.0000E 3	2.9565	1.79400	0.0	1.92434	0.33680	2.43860	0.0	0.0	0.34891
540.0000E 3	2.9188	1.81200	0.0	1.94443	0.34400	2.44170	0.0	0.0	0.35074
550.0000E 3	2.9004	1.81800	0.0	1.95148	0.34760	2.44320	0.0	0.0	0.35156
560.0000E 3	2.8824	1.82500	0.0	1.95952	0.35100	2.44480	0.0	0.0	0.35233

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
580.0000E 3	2.8473	7.81000	5.84130	5.72232	0.13500	0.00070	0.0	0.0	0.13570
600.0000E 3	2.8134	7.73300	5.76480	5.63634	0.13600	0.00120	0.0	0.0	0.13720
610.0000E 3	2.7969	7.68900	5.71655	5.59160	0.13700	0.00145	0.0	0.0	0.13845
620.0000E 3	2.7806	7.64500	5.67260	5.54671	0.13800	0.00140	0.0	0.0	0.13940
640.0000E 3	2.7489	7.54900	5.58370	5.45176	0.14000	0.00130	0.0	0.0	0.14130
660.0000E 3	2.7181	7.46300	5.50278	5.36479	0.14100	0.00122	0.0	0.0	0.14222
680.0000E 3	2.6882	7.39000	5.43980	5.28534	0.14200	0.00120	0.0	0.0	0.14320
690.0000E 3	2.6736	7.35600	5.39180	5.25535	0.14300	0.00120	0.0	0.0	0.14420
700.0000E 3	2.6593	7.32400	5.34680	5.22699	0.14400	0.00120	0.0	0.0	0.14520
720.0000E 3	2.6311	7.26700	5.26215	5.17582	0.14500	0.00185	0.0	0.0	0.14685
740.0000E 3	2.6037	7.21700	5.16100	5.13815	0.14600	0.00200	0.0	0.0	0.14800
760.0000E 3	2.5770	7.17400	5.04692	5.11688	0.14700	0.00208	0.0	0.0	0.14908
780.0000E 3	2.5510	7.14000	4.95740	5.09606	0.14800	0.00260	0.0	0.0	0.15060
800.0000E 3	2.5257	7.11300	4.88120	5.07754	0.14800	0.00380	0.0	0.0	0.15180
820.0000E 3	2.5010	7.08700	4.80757	5.06205	0.14900	0.00443	0.0	0.0	0.15343
840.0000E 3	2.4769	7.06500	4.74545	5.04723	0.14900	0.00555	0.0	0.0	0.15455
860.0000E 3	2.4534	7.04600	4.67970	5.03794	0.15000	0.00730	0.0	0.0	0.15730
880.0000E 3	2.4304	7.03000	4.62925	5.02600	0.15000	0.00875	0.0	0.0	0.15875
900.0000E 3	2.4079	7.01700	4.60350	5.00849	0.15000	0.01150	0.0	0.0	0.16150
920.0000E 3	2.3860	7.00500	4.59350	4.98524	0.15000	0.01350	0.0	0.0	0.16350

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
580.0000E 3	2.8473	1.83300	0.0	1.96870	0.35740	2.44790	0.0	0.0	0.35369
600.0000E 3	2.8134	1.83100	0.0	1.96820	0.36370	2.45100	0.0	0.0	0.35484
610.0000E 3	2.7969	1.83400	0.0	1.97245	0.36690	2.45260	0.0	0.0	0.35534
620.0000E 3	2.7806	1.83300	0.0	1.97240	0.36990	2.45410	0.0	0.0	0.35579
640.0000E 3	2.7489	1.82400	0.0	1.96530	0.37560	2.45730	0.0	0.0	0.35655
660.0000E 3	2.7181	1.81800	0.0	1.96022	0.38130	2.46040	0.0	0.0	0.35714
680.0000E 3	2.6882	1.80700	0.0	1.95020	0.38690	2.46350	0.0	0.0	0.35755
690.0000E 3	2.6736	1.82000	0.0	1.96420	0.38960	2.46500	0.0	0.0	0.35769
700.0000E 3	2.6593	1.83200	0.0	1.97720	0.39220	2.46660	0.0	0.0	0.35780
720.0000E 3	2.6311	1.85800	0.0	2.00485	0.39740	2.46970	0.0	0.0	0.35790
740.0000E 3	2.6037	1.90800	0.0	2.05600	0.40280	2.47280	0.0	0.0	0.35785
760.0000E 3	2.5770	1.97800	0.0	2.12708	0.40760	2.47590	0.0	0.0	0.35767
780.0000E 3	2.5510	2.03200	0.0	2.18260	0.41230	2.47910	0.0	0.0	0.35736
800.0000E 3	2.5257	2.08000	0.0	2.23180	0.41700	2.48220	0.0	0.0	0.35692
820.0000E 3	2.5010	2.12600	0.0	2.27943	0.42120	2.48530	0.0	0.0	0.35637
840.0000E 3	2.4769	2.16500	0.0	2.31955	0.42520	2.48840	0.0	0.0	0.35571
860.0000E 3	2.4534	2.20900	0.0	2.36630	0.42910	2.49150	0.0	0.0	0.35494
880.0000E 3	2.4304	2.24200	0.0	2.40075	0.43290	2.49460	0.0	0.0	0.35407
900.0000E 3	2.4079	2.25200	0.0	2.41350	0.43630	2.49770	0.0	0.0	0.35310
920.0000E 3	2.3860	2.24800	0.0	2.41150	0.43970	2.50090	0.0	0.0	0.35205

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
940.0000E 3	2.3645	6.99300	4.59360	4.95804	0.15000	0.01540	0.0	0.0	0.16540
960.0000E 3	2.3434	6.98300	4.58460	4.93414	0.15000	0.01740	0.0	0.0	0.16740
980.0000E 3	2.3228	6.97300	4.56840	4.91311	0.15000	0.01660	0.0	0.0	0.16660
1.0000E 6	2.3026	6.96400	4.53930	4.89862	0.14900	0.01670	0.0	0.0	0.16570
1.0500E 6	2.2538	6.94600	4.47650	4.84428	0.14900	0.01950	0.0	0.0	0.16850
1.1000E 6	2.2073	6.93000	4.26350	4.86220	0.14700	0.02750	0.0	0.0	0.17450
1.1500E 6	2.1628	6.91900	4.09850	4.85950	0.14500	0.03150	0.0	0.0	0.17650
1.2000E 6	2.1203	6.91100	4.08700	4.78985	0.14000	0.04200	0.0	0.0	0.18200
1.2500E 6	2.0794	6.90900	4.05950	4.74123	0.13500	0.04150	0.0	0.0	0.17650
1.3000E 6	2.0402	6.91100	3.90550	4.77235	0.13000	0.05750	0.0	0.0	0.18750
1.3500E 6	2.0025	6.94500	3.71400	4.86330	0.12000	0.10000	0.0	0.0	0.22000
1.4000E 6	1.9661	6.96500	3.60700	4.89314	0.11000	0.15700	0.0	0.0	0.26700
1.4500E 6	1.9310	7.00000	3.55800	4.91857	0.10100	0.23000	0.0	0.0	0.33100
1.5000E 6	1.8971	7.04800	3.52700	4.94168	0.09400	0.31000	0.0	0.0	0.40400
1.5500E 6	1.8643	7.09500	3.47200	4.99201	0.08800	0.35500	0.0	0.0	0.44300
1.6000E 6	1.8326	7.14500	3.40700	5.05753	0.08200	0.39300	0.0	0.0	0.47500
1.6500E 6	1.8018	7.18500	3.41200	5.08491	0.07700	0.42200	0.0	0.0	0.49900
1.7000E 6	1.7720	7.22500	3.48500	5.08068	0.07300	0.44700	0.0	0.0	0.52000
1.7500E 6	1.7430	7.27000	3.58800	5.08778	0.06900	0.47300	0.0	0.0	0.54200
1.8000E 6	1.7148	7.31500	3.70800	5.08241	0.06500	0.49900	0.0	0.0	0.56400

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
940.0000E 3	2.3645	2.23400	0.0	2.39940	0.44300	2.50400	0.0	0.0	0.35091
960.0000E 3	2.3434	2.23100	0.0	2.39840	0.44690	2.50710	0.0	0.0	0.34969
980.0000E 3	2.3228	2.23800	0.0	2.40460	0.45090	2.51020	0.0	0.0	0.34839
1.0000E 6	2.3026	2.25900	0.0	2.42470	0.45500	2.51330	0.0	0.0	0.34702
1.0500E 6	2.2538	2.30100	0.0	2.46950	0.46950	2.52110	0.0	0.0	0.34330
1.1000E 6	2.2073	2.49200	0.0	2.66650	0.48500	2.52890	0.0	0.0	0.33920
1.1500E 6	2.1628	2.64400	0.0	2.82050	0.50250	2.53670	0.0	0.0	0.33477
1.2000E 6	2.1203	2.64200	0.0	2.82400	0.51900	2.54440	0.0	0.0	0.33006
1.2500E 6	2.0794	2.67300	0.0	2.84950	0.53400	2.55220	0.0	0.0	0.32510
1.3000E 6	2.0402	2.81800	0.0	3.00550	0.54760	2.56000	0.0	0.0	0.31993
1.3500E 6	2.0025	3.01100	0.0	3.23100	0.56050	2.56780	0.0	0.0	0.31458
1.4000E 6	1.9661	3.09100	0.0	3.35800	0.57440	2.57560	0.0	0.0	0.30908
1.4500E 6	1.9310	3.11100	0.0	3.44200	0.58500	2.58340	0.0	0.0	0.30345
1.5000E 6	1.8971	3.11700	0.0	3.52100	0.59720	2.59120	0.0	0.0	0.29773
1.5500E 6	1.8643	3.18000	0.0	3.62300	0.60570	2.59890	0.0	0.0	0.29193
1.6000E 6	1.8326	3.26300	0.0	3.73800	0.61270	2.60670	0.0	0.0	0.28607
1.6500E 6	1.8018	3.27400	0.0	3.77300	0.61550	2.61450	0.0	0.0	0.28016
1.7000E 6	1.7720	3.22000	0.0	3.74000	0.61530	2.62230	0.0	0.0	0.27423
1.7500E 6	1.7430	3.14000	0.0	3.68200	0.60820	2.63010	0.0	0.0	0.26829
1.8000E 6	1.7148	3.04300	0.0	3.60700	0.60210	2.63790	0.0	0.0	0.26235

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.8500E 6	1.6874	7.36000	3.83100	5.09741	0.06200	0.52200	0.0	0.0	0.58400
1.9000E 6	1.6607	7.40000	3.95100	5.11316	0.06000	0.53900	0.0	0.0	0.59900
1.9500E 6	1.6348	7.43500	4.09200	5.10993	0.05700	0.55300	0.0	0.0	0.61000
2.0000E 6	1.6094	7.47500	4.18700	5.15122	0.05500	0.56600	0.0	0.0	0.62100
2.1000E 6	1.5606	7.55000	4.31000	5.15192	0.05000	0.58000	0.0	0.0	0.63000
2.2000E 6	1.5141	7.62000	4.39050	5.16747	0.04650	0.58300	0.0	0.0	0.62950
2.3000E 6	1.4697	7.67500	4.44920	5.17455	0.04280	0.58300	0.0	0.0	0.62580
2.4000E 6	1.4271	7.72700	4.50600	5.17300	0.04000	0.58100	0.0	0.0	0.62100
2.5000E 6	1.3863	7.77500	4.55810	5.13768	0.03690	0.58000	0.0	0.0	0.61690
2.6000E 6	1.3471	7.82000	4.60300	5.02828	0.03460	0.57900	0.0	0.0	0.61360
2.7000E 6	1.3093	7.86000	4.64300	4.91495	0.03230	0.57800	0.0	0.0	0.61030
2.8000E 6	1.2730	7.89300	4.67600	4.79655	0.03040	0.57700	0.0	0.0	0.60740
2.9000E 6	1.2379	7.92800	4.71200	4.67672	0.02870	0.57600	0.0	0.0	0.60470
3.0000E 6	1.2040	7.95200	4.73600	4.55203	0.02700	0.57500	0.0	0.0	0.60200
3.1000E 6	1.1712	7.96700	4.75100	4.54343	0.02550	0.57300	0.0	0.0	0.59850
3.2000E 6	1.1394	7.97700	4.76100	4.53337	0.02410	0.57000	0.0	0.0	0.59410
3.3000E 6	1.1087	7.98700	4.77200	4.52253	0.02280	0.56800	0.0	0.0	0.59080
3.4000E 6	1.0788	7.99700	4.78200	4.51236	0.02160	0.56600	0.0	0.0	0.58760
3.5000E 6	1.0498	8.00500	4.79000	4.50159	0.02060	0.56500	0.0	0.0	0.58560
3.6000E 6	1.0217	8.01000	4.79600	4.48974	0.01960	0.56400	0.0	0.0	0.58360

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.8500E 6	1.6874	2.94500	0.0	3.52900	0.59060	2.64560	0.0	0.0	0.25642
1.9000E 6	1.6607	2.85000	0.0	3.44900	0.57880	2.65340	0.0	0.0	0.25052
1.9500E 6	1.6348	2.73300	0.0	3.34300	0.56820	2.66120	0.0	0.0	0.24465
2.0000E 6	1.6094	2.66700	0.0	3.28800	0.55500	2.66900	0.0	0.0	0.23882
2.1000E 6	1.5606	2.61000	0.0	3.24000	0.55640	2.68460	0.0	0.0	0.22731
2.2000E 6	1.5141	2.60000	0.0	3.22950	0.55860	2.70010	0.0	0.0	0.21606
2.3000E 6	1.4697	2.60000	0.0	3.22580	0.56200	2.71570	0.0	0.0	0.20509
2.4000E 6	1.4271	2.60000	0.0	3.22100	0.56680	2.73130	0.0	0.0	0.19445
2.5000E 6	1.3863	2.60000	0.0	3.21690	0.57860	2.74680	0.0	0.0	0.18414
2.6000E 6	1.3471	2.60340	0.0	3.21700	0.60650	2.76240	0.0	0.0	0.17421
2.7000E 6	1.3093	2.60670	0.0	3.21700	0.63430	2.77800	0.0	0.0	0.16464
2.8000E 6	1.2730	2.60960	0.0	3.21700	0.66220	2.79350	0.0	0.0	0.15546
2.9000E 6	1.2379	2.61130	0.0	3.21600	0.69000	2.80910	0.0	0.0	0.14666
3.0000E 6	1.2040	2.61400	0.0	3.21600	0.71790	2.82470	0.0	0.0	0.13825
3.1000E 6	1.1712	2.61750	0.0	3.21600	0.72060	2.84020	0.0	0.0	0.13021
3.2000E 6	1.1394	2.62190	0.0	3.21600	0.72330	2.85580	0.0	0.0	0.12256
3.3000E 6	1.1087	2.62420	0.0	3.21500	0.72600	2.87140	0.0	0.0	0.11527
3.4000E 6	1.0788	2.62740	0.0	3.21500	0.72870	2.88700	0.0	0.0	0.10835
3.5000E 6	1.0498	2.62940	0.0	3.21500	0.73140	2.90250	0.0	0.0	0.10177
3.6000E 6	1.0217	2.63040	0.0	3.21400	0.73400	2.91810	0.0	0.0	0.09554

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
3.7000E 6	0.9943	8.01200	4.79900	4.47658	0.01870	0.56300	0.0	0.0	0.58170
3.8000E 6	0.9676	8.01200	4.80100	4.46214	0.01780	0.56300	0.0	0.0	0.58080
3.9000E 6	0.9416	8.01000	4.80200	4.44644	0.01700	0.56300	0.0	0.0	0.58000
4.0000E 6	0.9163	8.00800	4.80400	4.42998	0.01630	0.56300	0.0	0.0	0.57930
4.1000E 6	0.8916	8.00500	4.80600	4.41444	0.01560	0.56300	0.0	0.0	0.57860
4.2000E 6	0.8675	7.99500	4.80100	4.39713	0.01500	0.56300	0.0	0.0	0.57800
4.3000E 6	0.8440	7.98500	4.80000	4.37684	0.01440	0.56400	0.0	0.0	0.57840
4.4000E 6	0.8210	7.97000	4.79400	4.35580	0.01380	0.56400	0.0	0.0	0.57780
4.5000E 6	0.7985	7.95300	4.78600	4.33431	0.01330	0.56500	0.0	0.0	0.57830
4.6000E 6	0.7765	7.93500	4.77600	4.31336	0.01280	0.56600	0.0	0.0	0.57880
4.7000E 6	0.7550	7.91700	4.76700	4.29170	0.01230	0.56700	0.0	0.0	0.57930
4.8000E 6	0.7340	7.89000	4.74600	4.26975	0.01180	0.56800	0.0	0.0	0.57980
4.9000E 6	0.7133	7.86500	4.72700	4.24885	0.01140	0.56900	0.0	0.0	0.58040
5.0000E 6	0.6931	7.83400	4.70200	4.22663	0.01100	0.57000	0.0	0.0	0.58100
5.1000E 6	0.6733	7.79000	4.66400	4.20105	0.01070	0.57100	0.0	0.0	0.58170
5.2000E 6	0.6539	7.74200	4.62200	4.17474	0.01040	0.57200	0.0	0.0	0.58240
5.3000E 6	0.6349	7.69400	4.58000	4.14908	0.01020	0.57300	0.0	0.0	0.58320
5.4000E 6	0.6162	7.63700	4.52900	4.12159	0.01000	0.57400	0.0	0.0	0.58400
5.5000E 6	0.5978	7.58300	4.48200	4.09376	0.00970	0.57600	0.0	0.0	0.58570
5.6000E 6	0.5798	7.52700	4.43200	4.06649	0.00950	0.57800	0.0	0.0	0.58750

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
3.7000E 6	0.9943	2.63130	0.0	3.21300	0.73670	2.93370	0.0	0.0	0.08964
3.8000E 6	0.9676	2.63020	0.0	3.21100	0.73940	2.94920	0.0	0.0	0.08405
3.9000E 6	0.9416	2.62800	0.0	3.20800	0.74210	2.96480	0.0	0.0	0.07877
4.0000E 6	0.9163	2.62470	0.0	3.20400	0.74480	2.98040	0.0	0.0	0.07379
4.1000E 6	0.8916	2.62040	0.0	3.19900	0.74710	2.99590	0.0	0.0	0.06909
4.2000E 6	0.8675	2.61600	0.0	3.19400	0.74940	3.01150	0.0	0.0	0.06465
4.3000E 6	0.8440	2.60660	0.0	3.18500	0.75170	3.02710	0.0	0.0	0.06048
4.4000E 6	0.8210	2.59820	0.0	3.17600	0.75390	3.04260	0.0	0.0	0.05654
4.5000E 6	0.7985	2.58870	0.0	3.16700	0.75610	3.05820	0.0	0.0	0.05285
4.6000E 6	0.7765	2.58020	0.0	3.15900	0.75830	3.07380	0.0	0.0	0.04937
4.7000E 6	0.7550	2.57070	0.0	3.15000	0.76050	3.08940	0.0	0.0	0.04610
4.8000E 6	0.7340	2.56420	0.0	3.14400	0.76280	3.10490	0.0	0.0	0.04304
4.9000E 6	0.7133	2.55760	0.0	3.13800	0.76500	3.12050	0.0	0.0	0.04016
5.0000E 6	0.6931	2.55100	0.0	3.13200	0.76720	3.13610	0.0	0.0	0.03746
5.1000E 6	0.6733	2.54430	0.0	3.12600	0.76950	3.15160	0.0	0.0	0.03493
5.2000E 6	0.6539	2.53760	0.0	3.12000	0.77180	3.16720	0.0	0.0	0.03257
5.3000E 6	0.6349	2.53080	0.0	3.11400	0.77400	3.18280	0.0	0.0	0.03035
5.4000E 6	0.6162	2.52400	0.0	3.10800	0.77620	3.19830	0.0	0.0	0.02827
5.5000E 6	0.5978	2.51530	0.0	3.10100	0.77850	3.21390	0.0	0.0	0.02633
5.6000E 6	0.5798	2.50750	0.0	3.09500	0.78080	3.22950	0.0	0.0	0.02451

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
5.7000E 6	0.5621	7.47500	4.38600	4.04076	0.00930	0.58500	0.0	0.0	0.59430
5.8000E 6	0.5447	7.41800	4.33500	4.01416	0.00910	0.59500	0.0	0.0	0.60410
5.9000E 6	0.5276	7.36600	4.28900	3.98884	0.00890	0.60900	0.0	0.0	0.61790
6.0000E 6	0.5108	7.31200	4.24100	3.96288	0.00870	0.62300	0.0	0.0	0.63170
6.1000E 6	0.4943	7.25700	4.19200	3.93736	0.00850	0.64800	0.0	0.0	0.65650
6.2000E 6	0.4780	7.20000	4.14100	3.91163	0.00830	0.67000	0.0	0.0	0.67830
6.3000E 6	0.4620	7.14700	4.09400	3.88695	0.00810	0.72800	0.0	0.0	0.73610
6.4000E 6	0.4463	7.09400	4.04700	3.86207	0.00800	0.77800	0.0	0.0	0.78600
6.5000E 6	0.4308	7.04200	4.00200	3.83720	0.00780	0.82700	0.0	0.0	0.83480
6.6000E 6	0.4155	6.98500	3.95100	3.81235	0.00770	0.86400	0.0	0.0	0.87170
6.7000E 6	0.4005	6.93200	3.90400	3.78850	0.00750	0.89700	0.0	0.0	0.90450
6.8000E 6	0.3857	6.88000	3.85800	3.76505	0.00740	0.92200	0.0	0.0	0.92940
6.9000E 6	0.3711	6.82400	3.80800	3.74104	0.00730	0.94700	0.0	0.0	0.95430
7.0000E 6	0.3567	6.76800	3.75800	3.71726	0.00710	0.96500	0.0	0.0	0.97210
7.1000E 6	0.3425	6.71200	3.70700	3.69598	0.00700	0.98200	0.0	0.0	0.98900
7.2000E 6	0.3285	6.66300	3.66400	3.67647	0.00690	0.99200	0.0	0.0	0.99890
7.3000E 6	0.3147	6.60700	3.61300	3.65662	0.00680	1.00000	0.0	0.0	1.00680
7.4000E 6	0.3011	6.55200	3.56400	3.63700	0.00670	1.00600	0.0	0.0	1.01270
7.5000E 6	0.2877	6.49900	3.51600	3.61834	0.00650	1.00900	0.0	0.0	1.01550
7.6000E 6	0.2744	6.44600	3.46900	3.59969	0.00640	1.01200	0.0	0.0	1.01840

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
5.7000E 6	0.5621	2.49470	0.0	3.08900	0.78300	3.24500	0.0	0.0	0.02282
5.8000E 6	0.5447	2.47890	0.0	3.08300	0.78520	3.26060	0.0	0.0	0.02123
5.9000E 6	0.5276	2.45910	0.0	3.07700	0.78740	3.27620	0.0	0.0	0.01975
6.0000E 6	0.5108	2.43930	0.0	3.07100	0.78970	3.29180	0.0	0.0	0.01837
6.1000E 6	0.4943	2.39950	0.00900	3.06500	0.79190	3.30730	0.0	0.0	0.01708
6.2000E 6	0.4780	2.36170	0.01900	3.05900	0.79410	3.32290	0.0	0.0	0.01587
6.3000E 6	0.4620	2.28490	0.03200	3.05300	0.79630	3.33850	0.0	0.0	0.01475
6.4000E 6	0.4463	2.20600	0.05500	3.04700	0.79860	3.35400	0.0	0.0	0.01371
6.5000E 6	0.4308	2.11820	0.08700	3.04000	0.80080	3.36960	0.0	0.0	0.01273
6.6000E 6	0.4155	2.01930	0.14300	3.03400	0.80300	3.38520	0.0	0.0	0.01182
6.7000E 6	0.4005	1.91850	0.20500	3.02800	0.80520	3.40070	0.0	0.0	0.01098
6.8000E 6	0.3857	1.82260	0.27000	3.02200	0.80740	3.41630	0.0	0.0	0.01019
6.9000E 6	0.3711	1.70670	0.35500	3.01600	0.80960	3.43190	0.0	0.0	0.00945
7.0000E 6	0.3567	1.59090	0.44700	3.01000	0.81180	3.44740	0.0	0.0	0.00877
7.1000E 6	0.3425	1.43900	0.57700	3.00500	0.81360	3.46300	0.0	0.0	0.00814
7.2000E 6	0.3285	1.29610	0.70400	2.99900	0.81510	3.47860	0.0	0.0	0.00755
7.3000E 6	0.3147	1.18220	0.80500	2.99400	0.81660	3.49410	0.0	0.0	0.00700
7.4000E 6	0.3011	1.10030	0.87500	2.98800	0.81790	3.50970	0.0	0.0	0.00649
7.5000E 6	0.2877	1.03350	0.93400	2.98300	0.81930	3.52530	0.0	0.0	0.00601
7.6000E 6	0.2744	0.97360	0.98500	2.97700	0.82050	3.54090	0.0	0.0	0.00557

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.7000E 6	0.2614	6.39600	3.42400	3.58250	0.00630	1.01500	0.0	0.0	1.02130
7.8000E 6	0.2485	6.34000	3.37400	3.56421	0.00620	1.01700	0.0	0.0	1.02320
7.9000E 6	0.2357	6.29000	3.32900	3.54757	0.00610	1.01900	0.0	0.0	1.02510
8.0000E 6	0.2231	6.24000	3.28500	3.53086	0.00600	1.02000	0.0	0.0	1.02600
8.1000E 6	0.2107	6.19200	3.24200	3.51540	0.00600	1.02000	0.0	0.0	1.02600
8.2000E 6	0.1985	6.14300	3.19600	3.50183	0.00590	1.02000	0.0	0.0	1.02590
8.3000E 6	0.1863	6.10000	3.15600	3.48904	0.00580	1.02000	0.0	0.0	1.02580
8.4000E 6	0.1744	6.05300	3.11200	3.47626	0.00570	1.02000	0.0	0.0	1.02570
8.5000E 6	0.1625	6.01000	3.07200	3.46423	0.00570	1.02000	0.0	0.0	1.02570
8.6000E 6	0.1508	5.96900	3.03400	3.45321	0.00560	1.02000	0.0	0.0	1.02560
8.7000E 6	0.1393	5.93100	3.00000	3.44190	0.00550	1.02000	0.0	0.0	1.02550
8.8000E 6	0.1278	5.89200	2.96400	3.43129	0.00540	1.02000	0.0	0.0	1.02540
8.9000E 6	0.1165	5.85800	2.93300	3.42185	0.00540	1.02000	0.0	0.0	1.02540
9.0000E 6	0.1054	5.83000	2.90800	3.41345	0.00530	1.02000	0.0	0.0	1.02530
9.1000E 6	0.0943	5.80100	2.88200	3.40519	0.00530	1.02000	0.0	0.0	1.02530
9.2000E 6	0.0834	5.77400	2.85800	3.39700	0.00520	1.02000	0.0	0.0	1.02520
9.3000E 6	0.0726	5.74700	2.83500	3.38828	0.00510	1.02000	0.0	0.0	1.02510
9.4000E 6	0.0619	5.72200	2.81300	3.38074	0.00510	1.02000	0.0	0.0	1.02510
9.5000E 6	0.0513	5.69800	2.79200	3.37366	0.00500	1.02000	0.0	0.0	1.02500
9.6000E 6	0.0408	5.67600	2.77300	3.36692	0.00500	1.02000	0.0	0.0	1.02500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.7000E 6	0.2614	0.92070	1.03000	2.97200	0.82170	3.55640	0.0	0.0	0.00516
7.8000E 6	0.2485	0.87780	1.06500	2.96600	0.82270	3.57200	0.0	0.0	0.00478
7.9000E 6	0.2357	0.83890	1.09700	2.96100	0.82380	3.58760	0.0	0.0	0.00443
8.0000E 6	0.2231	0.80200	1.12700	2.95500	0.82470	3.60310	0.0	0.0	0.00410
8.1000E 6	0.2107	0.77100	1.15300	2.95000	0.82560	3.61870	0.0	0.0	0.00380
8.2000E 6	0.1985	0.74210	1.17900	2.94700	0.82640	3.63430	0.0	0.0	0.00352
8.3000E 6	0.1863	0.71820	1.20000	2.94400	0.82730	3.64980	0.0	0.0	0.00326
8.4000E 6	0.1744	0.69530	1.22000	2.94100	0.82800	3.66540	0.0	0.0	0.00301
8.5000E 6	0.1625	0.67230	1.24000	2.93800	0.82870	3.68100	0.0	0.0	0.00279
8.6000E 6	0.1508	0.65140	1.25800	2.93500	0.82920	3.69650	0.0	0.0	0.00258
8.7000E 6	0.1393	0.62950	1.27600	2.93100	0.82970	3.71210	0.0	0.0	0.00239
8.8000E 6	0.1278	0.61260	1.29000	2.92800	0.83020	3.72770	0.0	0.0	0.00221
8.9000E 6	0.1165	0.59660	1.30300	2.92500	0.83060	3.74330	0.0	0.0	0.00204
9.0000E 6	0.1054	0.58370	1.31300	2.92200	0.83100	3.75880	0.0	0.0	0.00189
9.1000E 6	0.0943	0.57270	1.32100	2.91900	0.83130	3.77440	0.0	0.0	0.00175
9.2000E 6	0.0834	0.56380	1.32700	2.91600	0.83170	3.79000	0.0	0.0	0.00161
9.3000E 6	0.0726	0.55590	1.33100	2.91200	0.83200	3.80550	0.0	0.0	0.00149
9.4000E 6	0.0619	0.54990	1.33400	2.90900	0.83230	3.82110	0.0	0.0	0.00138
9.5000E 6	0.0513	0.54400	1.33700	2.90600	0.83250	3.83670	0.0	0.0	0.00127
9.6000E 6	0.0408	0.53800	1.34000	2.90300	0.83270	3.85220	0.0	0.0	0.00118

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.7000E 6	0.0305	5.65500	2.75500	3.36036	0.00490	1.02000	0.0	0.0	1.02490
9.8000E 6	0.0202	5.63600	2.73900	3.35441	0.00490	1.02000	0.0	0.0	1.02490
9.9000E 6	0.0101	5.61900	2.72500	3.34880	0.00480	1.02000	0.0	0.0	1.02480
10.0000E 6	0.0000	5.60400	2.71400	3.34270	0.00480	1.02000	0.0	0.0	1.02480

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.7000E 6	0.0305	0.53310	1.34200	2.90000	0.83290	3.86780	0.0	0.0	0.00109
9.8000E 6	0.0202	0.52910	1.34300	2.89700	0.83300	3.88340	0.0	0.0	0.00100
9.9000E 6	0.0101	0.52620	1.34300	2.89400	0.83310	3.89890	0.0	0.0	0.00093
10.0000E 6	0.0000	0.52220	1.34300	2.89000	0.83320	3.91450	0.0	0.0	0.00086

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
1.0000E-3	23.0259	4829.95500	11.35000	4829.92300	868.60500	3950.00000	0.0	0.0	4818.60500
1.5000E-3	22.6204	3970.12200	11.34000	3970.09000	778.78200	3180.00000	0.0	0.0	3958.78200
2.0000E-3	22.3327	3469.91000	11.34000	3469.87800	733.57000	2725.00000	0.0	0.0	3458.57000
2.5000E-3	22.1096	3119.94800	11.34000	3119.91600	683.60800	2425.00000	0.0	0.0	3108.60800
3.0000E-3	21.9272	2879.97700	11.33000	2879.94500	653.64700	2215.00000	0.0	0.0	2868.64700
4.0000E-3	21.6396	2495.67500	11.33000	2495.64300	589.34500	1895.00000	0.0	0.0	2484.34500
5.0000E-3	21.4164	2230.19300	11.32000	2230.16100	543.87300	1675.00000	0.0	0.0	2218.87300
6.0000E-3	21.2341	2056.61400	11.31000	2056.58200	515.30400	1530.00000	0.0	0.0	2045.30400
7.0000E-3	21.0799	1917.45700	11.31000	1917.42500	491.14700	1415.00000	0.0	0.0	1906.14700
8.0000E-3	20.9464	1794.44000	11.30000	1794.40800	468.14000	1315.00000	0.0	0.0	1783.14000
9.0000E-3	20.8286	1702.66000	11.30000	1702.62800	451.36000	1240.00000	0.0	0.0	1691.36000
10.0000E-3	20.7233	1598.99300	11.29000	1598.96200	429.30300	1158.40000	0.0	0.0	1587.70300
15.0000E-3	20.3178	1321.74600	11.26000	1321.71500	359.75600	950.73000	0.0	0.0	1310.48600
20.0000E-3	20.0301	1135.31000	11.23000	1135.27800	295.14000	828.94000	0.0	0.0	1124.08000
25.3000E-3	19.7950	1021.50300	11.19000	1021.47200	268.31300	742.00000	0.0	0.0	1010.31300
30.0000E-3	19.6247	948.38200	11.16000	948.35100	250.63200	686.59000	0.0	0.0	937.22200
35.0000E-3	19.4705	888.22800	11.13000	888.19700	236.20800	640.89000	0.0	0.0	877.09800
40.0000E-3	19.3370	841.58800	11.09000	841.55700	225.74800	604.75000	0.0	0.0	830.49800
45.0000E-3	19.2192	804.02100	11.06000	803.99000	217.37100	575.59000	0.0	0.0	792.96100
50.0000E-3	19.1138	773.90900	11.03000	773.87800	210.38900	552.49000	0.0	0.0	762.87900

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
1.0000E-3	23.0259	0.0	0.0	4818.60500	0.00279	2.89200	0.21990	2.37069	0.00002
1.5000E-3	22.6204	0.0	0.0	3958.78200	0.00279	2.89200	0.24490	2.32308	0.00003
2.0000E-3	22.3327	0.0	0.0	3458.57000	0.00279	2.89200	0.26920	2.27860	0.00003
2.5000E-3	22.1096	0.0	0.0	3108.60800	0.00279	2.89200	0.28190	2.25603	0.00003
3.0000E-3	21.9272	0.0	0.0	2868.64700	0.00279	2.89200	0.29510	2.23303	0.00004
4.0000E-3	21.6396	0.0	0.0	2484.34500	0.00279	2.89200	0.31100	2.20595	0.00004
5.0000E-3	21.4164	0.0	0.0	2218.87300	0.00279	2.89200	0.32470	2.18314	0.00005
6.0000E-3	21.2341	0.0	0.0	2045.30400	0.00279	2.89200	0.33680	2.16338	0.00005
7.0000E-3	21.0799	0.0	0.0	1906.14700	0.00279	2.89200	0.34710	2.14683	0.00006
8.0000E-3	20.9464	0.0	0.0	1783.14000	0.00279	2.89200	0.35600	2.13274	0.00006
9.0000E-3	20.8286	0.0	0.0	1691.36000	0.00279	2.89200	0.36400	2.12023	0.00007
10.0000E-3	20.7233	0.0	0.0	1587.70300	0.00279	2.89200	0.37060	2.11002	0.00007
15.0000E-3	20.3178	0.0	0.0	1310.48600	0.00279	2.89200	0.37840	2.09808	0.00008
20.0000E-3	20.0301	0.0	0.0	1124.08000	0.00279	2.89200	0.35604	2.13267	0.00010
25.3000E-3	19.7950	0.0	0.0	1010.31300	0.00279	2.89200	0.36161	2.12396	0.00011
30.0000E-3	19.6247	0.0	0.0	937.22200	0.00279	2.89200	0.36504	2.11862	0.00012
35.0000E-3	19.4705	0.0	0.0	877.09800	0.00279	2.89200	0.36856	2.11317	0.00013
40.0000E-3	19.3370	0.0	0.0	830.49800	0.00279	2.89200	0.37329	2.10589	0.00014
45.0000E-3	19.2192	0.0	0.0	792.96100	0.00279	2.89200	0.37765	2.09923	0.00015
50.0000E-3	19.1138	0.0	0.0	762.87900	0.00279	2.89200	0.38080	2.09444	0.00015

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
55.0000E-3	19.0185	749.91900	10.99000	749.88800	205.53900	533.39000	0.0	0.0	738.92900
60.0000E-3	18.9315	731.19200	10.96000	731.16200	202.45200	517.78000	0.0	0.0	720.23200
65.0000E-3	18.8515	716.60400	10.92000	716.57400	200.48400	505.20000	0.0	0.0	705.68400
70.0000E-3	18.7774	705.40300	10.89000	705.37200	199.64300	494.87000	0.0	0.0	694.51300
75.0000E-3	18.7084	697.73200	10.85000	697.70200	200.50200	486.38000	0.0	0.0	686.88200
80.0000E-3	18.6438	693.33900	10.82000	693.30900	202.81900	479.70000	0.0	0.0	682.51900
85.0000E-3	18.5832	692.19500	10.78000	692.16500	206.57500	474.84000	0.0	0.0	681.41500
90.0000E-3	18.5260	693.31800	10.75000	693.28800	211.06800	471.50000	0.0	0.0	682.56800
95.0000E-3	18.4720	695.61900	10.71000	695.58900	215.69900	469.21000	0.0	0.0	684.90900
100.0000E-3	18.4207	699.01900	10.68000	698.98900	220.16900	468.17000	0.0	0.0	688.33900
110.0000E-3	18.3254	709.27800	10.60000	709.24800	230.00800	468.67000	0.0	0.0	698.67800
120.0000E-3	18.2384	728.57000	10.53000	728.54000	242.30000	475.74000	0.0	0.0	718.04000
130.0000E-3	18.1583	755.22600	10.46000	755.19700	256.62600	488.14000	0.0	0.0	744.76600
140.0000E-3	18.0842	797.03500	10.39000	797.00600	276.17500	510.47000	0.0	0.0	786.64500
150.0000E-3	18.0152	847.67600	10.33000	847.64700	298.99600	538.35000	0.0	0.0	837.34600
160.0000E-3	17.9507	908.28000	10.28000	908.25100	325.50000	572.50000	0.0	0.0	898.00000
170.0000E-3	17.8901	991.75200	10.25000	991.72300	360.61200	620.89000	0.0	0.0	981.50200
180.0000E-3	17.8329	1096.37900	10.24000	1096.35000	403.77900	682.36000	0.0	0.0	1086.13900
190.0000E-3	17.7788	1223.32000	10.26000	1223.29100	455.99000	757.07000	0.0	0.0	1213.06000
200.0000E-3	17.7275	1383.95800	10.34000	1383.93000	521.66800	851.95000	0.0	0.0	1373.61800

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
55.0000E-3	19.0185	0.0	0.0	738.92900	0.00279	2.89200	0.38534	2.08757	0.00016
60.0000E-3	18.9315	0.0	0.0	720.23200	0.00279	2.89200	0.39100	2.07908	0.00017
65.0000E-3	18.8515	0.0	0.0	705.68400	0.00279	2.89200	0.39684	2.07039	0.00017
70.0000E-3	18.7774	0.0	0.0	694.51300	0.00279	2.89200	0.40342	2.06067	0.00018
75.0000E-3	18.7084	0.0	0.0	686.88200	0.00279	2.89200	0.41223	2.04782	0.00019
80.0000E-3	18.6438	0.0	0.0	682.51900	0.00279	2.89200	0.42280	2.03261	0.00019
85.0000E-3	18.5832	0.0	0.0	681.41500	0.00279	2.89200	0.43504	2.01527	0.00020
90.0000E-3	18.5260	0.0	0.0	682.56800	0.00279	2.89200	0.44765	1.99772	0.00021
95.0000E-3	18.4720	0.0	0.0	684.90900	0.00279	2.89200	0.45971	1.98122	0.00021
100.0000E-3	18.4207	0.0	0.0	688.33900	0.00279	2.89200	0.47028	1.96698	0.00022
110.0000E-3	18.3254	0.0	0.0	698.67800	0.00279	2.89200	0.49077	1.93994	0.00023
120.0000E-3	18.2384	0.0	0.0	718.04000	0.00279	2.89200	0.50931	1.91611	0.00024
130.0000E-3	18.1583	0.0	0.0	744.76600	0.00279	2.89200	0.52572	1.89550	0.00025
140.0000E-3	18.0842	0.0	0.0	786.64500	0.00279	2.89200	0.54102	1.87668	0.00026
150.0000E-3	18.0152	0.0	0.0	837.34600	0.00279	2.89200	0.55539	1.85934	0.00027
160.0000E-3	17.9507	0.0	0.0	898.00000	0.00279	2.89200	0.56856	1.84373	0.00027
170.0000E-3	17.8901	0.0	0.0	981.50200	0.00279	2.89200	0.58080	1.82946	0.00028
180.0000E-3	17.8329	0.0	0.0	1086.13900	0.00279	2.89200	0.59174	1.81688	0.00029
190.0000E-3	17.7788	0.0	0.0	1213.06000	0.00279	2.89200	0.60231	1.80490	0.00030
200.0000E-3	17.7275	0.0	0.0	1373.61800	0.00279	2.89200	0.61232	1.79369	0.00031

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
210.0000E-3	17.6787	1585.53600	10.51000	1585.50700	603.96600	971.06000	0.0	0.0	1575.02600
220.0000E-3	17.6322	1843.81800	10.80000	1843.78800	709.44800	1123.57000	0.0	0.0	1833.01800
230.0000E-3	17.5878	2164.99600	11.28000	2164.96400	840.06600	1313.65000	0.0	0.0	2153.71600
240.0000E-3	17.5452	2565.57000	12.05000	2565.53600	1000.14000	1553.38000	0.0	0.0	2553.52000
250.0000E-3	17.5044	3078.90800	13.23000	3078.87100	1203.67800	1862.00000	0.0	0.0	3065.67800
260.0000E-3	17.4652	3736.64600	15.00000	3736.60500	1462.37600	2259.27000	0.0	0.0	3721.64600
270.0000E-3	17.4274	4412.29400	17.47000	4412.24500	1727.49400	2667.33000	0.0	0.0	4394.82400
280.0000E-3	17.3911	4934.09100	20.57000	4934.03300	1931.38100	2982.14000	0.0	0.0	4913.52100
290.0000E-3	17.3560	5364.95900	23.82000	5364.89300	2098.91900	3242.22000	0.0	0.0	5341.13900
292.0000E-3	17.3491	5390.57200	24.42000	5390.50400	2108.38200	3257.77000	0.0	0.0	5366.15200
294.0000E-3	17.3423	5382.26000	24.98000	5382.19000	2104.53000	3252.75000	0.0	0.0	5357.28000
296.0000E-3	17.3355	5362.54700	25.50000	5362.47500	2096.21700	3240.83000	0.0	0.0	5337.04700
298.0000E-3	17.3288	5329.38400	25.97000	5329.31200	2082.64400	3220.77000	0.0	0.0	5303.41400
300.0000E-3	17.3221	5262.83900	26.39000	5262.76500	2055.98900	3180.46000	0.0	0.0	5236.44900
310.0000E-3	17.2893	4587.82400	27.62000	4587.74700	1788.91400	2771.29000	0.0	0.0	4560.20400
320.0000E-3	17.2575	3948.91000	27.50000	3948.83300	1536.71000	2384.70000	0.0	0.0	3921.41000
330.0000E-3	17.2268	3385.23300	26.51000	3385.15900	1313.32300	2045.40000	0.0	0.0	3358.72300
340.0000E-3	17.1969	2900.04000	25.15000	2899.97000	1120.47000	1754.42000	0.0	0.0	2874.89000
350.0000E-3	17.1679	2455.40800	23.75000	2455.34200	944.18800	1487.47000	0.0	0.0	2431.65800
360.0000E-3	17.1397	2059.99100	22.45000	2059.92800	787.54100	1250.00000	0.0	0.0	2037.54100

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
210.0000E-3	17.6787	0.0	0.0	1575.02600	0.00279	2.89200	0.62197	1.78302	0.00031
220.0000E-3	17.6322	0.0	0.0	1833.01800	0.00279	2.89200	0.63142	1.77269	0.00032
230.0000E-3	17.5878	0.0	0.0	2153.71600	0.00279	2.89200	0.63949	1.76396	0.00033
240.0000E-3	17.5452	0.0	0.0	2553.52000	0.00279	2.89200	0.64385	1.75929	0.00034
250.0000E-3	17.5044	0.0	0.0	3065.67800	0.00279	2.89200	0.64644	1.75651	0.00034
260.0000E-3	17.4652	0.0	0.0	3721.64600	0.00279	2.89200	0.64728	1.75562	0.00035
270.0000E-3	17.4274	0.0	0.0	4394.82400	0.00279	2.89200	0.64765	1.75523	0.00036
280.0000E-3	17.3911	0.0	0.0	4913.52100	0.00279	2.89200	0.64765	1.75523	0.00036
290.0000E-3	17.3560	0.0	0.0	5341.13900	0.00279	2.89200	0.64737	1.75552	0.00037
292.0000E-3	17.3491	0.0	0.0	5366.15200	0.00279	2.89200	0.64719	1.75572	0.00037
294.0000E-3	17.3423	0.0	0.0	5357.28000	0.00279	2.89200	0.64700	1.75592	0.00037
296.0000E-3	17.3355	0.0	0.0	5337.04700	0.00279	2.89200	0.64681	1.75612	0.00037
298.0000E-3	17.3288	0.0	0.0	5303.41400	0.00279	2.89200	0.64663	1.75632	0.00037
300.0000E-3	17.3221	0.0	0.0	5236.44900	0.00279	2.89200	0.64644	1.75651	0.00038
310.0000E-3	17.2893	0.0	0.0	4560.20400	0.00279	2.89200	0.64552	1.75750	0.00038
320.0000E-3	17.2575	0.0	0.0	3921.41000	0.00279	2.89200	0.64440	1.75869	0.00039
330.0000E-3	17.2268	0.0	0.0	3358.72300	0.00279	2.89200	0.64209	1.76117	0.00039
340.0000E-3	17.1969	0.0	0.0	2874.89000	0.00279	2.89200	0.63866	1.76486	0.00040
350.0000E-3	17.1679	0.0	0.0	2431.65800	0.00279	2.89200	0.63476	1.76907	0.00041
360.0000E-3	17.1397	0.0	0.0	2037.54100	0.00279	2.89200	0.63003	1.77420	0.00041

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
370.0000E-3	17.1123	1722.59400	21.32000	1722.53400	654.05400	1047.22000	0.0	0.0	1701.27400
380.0000E-3	17.0857	1438.75500	20.35000	1438.69900	542.40500	876.00000	0.0	0.0	1418.40500
390.0000E-3	17.0597	1208.71200	19.52000	1208.65700	452.60200	736.59000	0.0	0.0	1189.19200
400.0000E-3	17.0344	1025.37900	18.81000	1025.32600	381.22900	625.34000	0.0	0.0	1006.56900
420.0000E-3	16.9856	750.15900	17.68000	750.11000	274.19900	458.28000	0.0	0.0	732.47900
440.0000E-3	16.9391	568.37500	16.84000	568.32800	204.04500	347.49000	0.0	0.0	551.53500
460.0000E-3	16.8946	446.17300	16.19000	446.12800	157.16300	272.82000	0.0	0.0	429.98300
480.0000E-3	16.8521	370.30200	15.67000	370.25800	128.02200	226.61000	0.0	0.0	354.63200
500.0000E-3	16.8112	314.54300	15.26000	314.50000	106.68300	192.60000	0.0	0.0	299.28300
520.0000E-3	16.7720	273.41900	14.91000	273.37700	90.95881	167.55000	0.0	0.0	258.50900
540.0000E-3	16.7343	240.78500	14.63000	240.74400	78.55461	147.60000	0.0	0.0	226.15500
560.0000E-3	16.6979	213.95600	14.38000	213.91500	68.42560	131.15000	0.0	0.0	199.57600
580.0000E-3	16.6628	191.74300	14.17000	191.70300	60.07282	117.50000	0.0	0.0	177.57300
600.0000E-3	16.6289	173.05300	13.98000	173.01400	53.07293	106.00000	0.0	0.0	159.07300
650.0000E-3	16.5489	137.82500	13.61000	137.78700	40.06526	84.15000	0.0	0.0	124.21500
700.0000E-3	16.4748	114.32800	13.32000	114.29100	31.40827	69.60000	0.0	0.0	101.00800
750.0000E-3	16.4058	98.35133	13.10000	98.31478	25.55133	59.70000	0.0	0.0	85.25133
800.0000E-3	16.3412	85.95076	12.91000	85.91475	21.04076	52.00000	0.0	0.0	73.04076
850.0000E-3	16.2806	76.84178	12.76000	76.80618	17.73178	46.35000	0.0	0.0	64.08178
900.0000E-3	16.2235	69.55285	12.62000	69.51764	15.08285	41.85000	0.0	0.0	56.93285

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
370.0000E-3	17.1123	0.0	0.0	1701.27400	0.00279	2.89200	0.62456	1.78017	0.00042
380.0000E-3	17.0857	0.0	0.0	1418.40500	0.00279	2.89200	0.61918	1.78608	0.00042
390.0000E-3	17.0597	0.0	0.0	1189.19200	0.00279	2.89200	0.61446	1.79132	0.00043
400.0000E-3	17.0344	0.0	0.0	1006.56900	0.00279	2.89200	0.60963	1.79668	0.00043
420.0000E-3	16.9856	0.0	0.0	732.47900	0.00279	2.89200	0.59832	1.80940	0.00044
440.0000E-3	16.9391	0.0	0.0	551.53500	0.00279	2.89200	0.58720	1.82208	0.00045
460.0000E-3	16.8946	0.0	0.0	429.98300	0.00279	2.89200	0.57607	1.83494	0.00046
480.0000E-3	16.8521	0.0	0.0	354.63200	0.00279	2.89200	0.56494	1.84799	0.00047
500.0000E-3	16.8112	0.0	0.0	299.28300	0.00279	2.89200	0.55391	1.86111	0.00048
520.0000E-3	16.7720	0.0	0.0	258.50900	0.00279	2.89200	0.54288	1.87442	0.00049
540.0000E-3	16.7343	0.0	0.0	226.15500	0.00279	2.89200	0.53221	1.88747	0.00050
560.0000E-3	16.6979	0.0	0.0	199.57600	0.00279	2.89200	0.52174	1.90046	0.00051
580.0000E-3	16.6628	0.0	0.0	177.57300	0.00279	2.89200	0.51126	1.91364	0.00052
600.0000E-3	16.6289	0.0	0.0	159.07300	0.00279	2.89200	0.50069	1.92712	0.00053
650.0000E-3	16.5489	0.0	0.0	124.21500	0.00279	2.89200	0.47612	1.95919	0.00055
700.0000E-3	16.4748	0.0	0.0	101.00800	0.00279	2.89200	0.45127	1.99274	0.00057
750.0000E-3	16.4058	0.0	0.0	85.25133	0.00279	2.89200	0.42800	2.02522	0.00059
800.0000E-3	16.3412	0.0	0.0	73.04076	0.00279	2.89200	0.40463	2.05891	0.00061
850.0000E-3	16.2806	0.0	0.0	64.08178	0.00279	2.89200	0.38256	2.09177	0.00063
900.0000E-3	16.2235	0.0	0.0	56.93285	0.00279	2.89200	0.36040	2.12584	0.00065

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
950.0000E-3	16.1694	63.50690	12.50000	63.47203	12.93690	38.07000	0.0	0.0	51.00690
1.0000E00	16.1181	58.94899	12.38000	58.91445	11.26899	35.30000	0.0	0.0	46.56899
1.2000E00	15.9358	47.09817	12.06000	47.06452	6.67817	28.36000	0.0	0.0	35.03817
1.4000E00	15.7816	39.62015	11.82000	39.58717	3.89015	23.91000	0.0	0.0	27.80015
1.6000E00	15.6481	34.83751	11.64000	34.80503	2.55751	20.64000	0.0	0.0	23.19751
1.8000E00	15.5303	31.75257	11.49000	31.72051	2.10257	18.16000	0.0	0.0	20.26257
2.0000E00	15.4249	29.39280	11.36000	29.36110	1.83280	16.20000	0.0	0.0	18.03280
2.5000E00	15.2018	25.73233	11.11000	25.70133	1.50233	13.12000	0.0	0.0	14.62233
3.0000E00	15.0195	23.48182	10.93000	23.45132	1.34182	11.21000	0.0	0.0	12.55182
3.5000E00	14.8653	21.78463	10.76000	21.75460	1.25463	9.77000	0.0	0.0	11.02463
4.0000E00	14.7318	20.68494	10.62000	20.65531	1.24494	8.82000	0.0	0.0	10.06494
4.5000E00	14.6140	19.77564	10.31000	19.74688	1.29564	8.17000	0.0	0.0	9.46564
5.0000E00	14.5087	19.29183	10.15000	19.26351	1.40183	7.74000	0.0	0.0	9.14183
5.5000E00	14.4133	19.03658	9.97000	19.00877	1.55658	7.51000	0.0	0.0	9.06658
6.0000E00	14.3263	19.21973	9.73000	19.19259	1.86973	7.62000	0.0	0.0	9.48973
6.5000E00	14.2463	20.94014	9.39000	20.91394	2.77014	8.78000	0.0	0.0	11.55014
6.8000E00	14.2012	23.95605	9.08000	23.93072	4.19605	10.68000	0.0	0.0	14.87605
7.0000E00	14.1722	27.42670	8.77000	27.40223	5.92670	12.73000	0.0	0.0	18.65670
7.2000E00	14.1440	33.40233	8.30000	33.37918	9.14233	15.96000	0.0	0.0	25.10233
7.4000E00	14.1166	48.46106	7.50000	48.44013	17.84106	23.12000	0.0	0.0	40.96106

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
950.0000E-3	16.1694	0.0	0.0	51.00690	0.00279	2.89200	0.33982	2.15850	0.00067
1.0000E00	16.1181	0.0	0.0	46.56899	0.00279	2.89200	0.31923	2.19218	0.00068
1.2000E00	15.9358	0.0	0.0	35.03817	0.00279	2.89200	0.23548	2.34079	0.00075
1.4000E00	15.7816	0.0	0.0	27.80015	0.00279	2.89200	0.16270	2.48731	0.00081
1.6000E00	15.6481	0.0	0.0	23.19751	0.00279	2.89200	0.12391	2.57316	0.00087
1.8000E00	15.5303	0.0	0.0	20.26257	0.00279	2.89200	0.11578	2.59191	0.00092
2.0000E00	15.4249	0.0	0.0	18.03280	0.00279	2.89200	0.11314	2.59807	0.00097
2.5000E00	15.2018	0.0	0.0	14.62233	0.00279	2.89200	0.11451	2.59487	0.00108
3.0000E00	15.0195	0.0	0.0	12.55182	0.00279	2.89200	0.11970	2.58284	0.00119
3.5000E00	14.8653	0.0	0.0	11.02463	0.00279	2.89200	0.12842	2.56288	0.00128
4.0000E00	14.7318	0.0	0.0	10.06494	0.00279	2.89200	0.14115	2.53429	0.00137
4.5000E00	14.6140	0.0	0.0	9.46564	0.00279	2.89200	0.15859	2.49615	0.00145
5.0000E00	14.5087	0.0	0.0	9.14183	0.00279	2.89200	0.18111	2.44853	0.00153
5.5000E00	14.4133	0.0	0.0	9.06658	0.00279	2.89200	0.20727	2.39549	0.00161
6.0000E00	14.3263	0.0	0.0	9.48973	0.00279	2.89200	0.24537	2.32220	0.00168
6.5000E00	14.2463	0.0	0.0	11.55014	0.00279	2.89200	0.31551	2.19839	0.00175
6.8000E00	14.2012	0.0	0.0	14.87605	0.00279	2.89200	0.39289	2.07626	0.00179
7.0000E00	14.1722	0.0	0.0	18.65670	0.00279	2.89200	0.46557	1.97329	0.00181
7.2000E00	14.1440	0.0	0.0	25.10233	0.00279	2.89200	0.57283	1.83873	0.00184
7.4000E00	14.1166	0.0	0.0	40.96106	0.00279	2.89200	0.77167	1.63236	0.00186

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
7.5000E00	14.1032	67.38762	6.82000	67.36859	28.11762	32.45000	0.0	0.0	60.56762
7.6000E00	14.0899	103.35500	5.72000	103.33900	46.53509	51.10000	0.0	0.0	97.63509
7.7000E00	14.0769	248.92800	3.78470	248.91700	120.72400	124.41900	0.0	0.0	245.14300
7.7300E00	14.0730	391.00600	3.38180	390.99600	191.18000	196.44400	0.0	0.0	387.62400
7.7600E00	14.0691	687.39500	4.00140	687.38400	337.42400	345.97000	0.0	0.0	683.39400
7.7900E00	14.0653	1367.29000	9.33250	1367.26400	671.01000	686.94700	0.0	0.0	1357.95700
7.8100E00	14.0627	2143.01600	20.63730	2142.95900	1049.00700	1073.37200	0.0	0.0	2122.37900
7.8300E00	14.0601	2649.30300	37.39110	2649.19900	1291.09700	1320.81500	0.0	0.0	2611.91200
7.8500E00	14.0576	2160.75600	43.71440	2160.63400	1046.36900	1070.67300	0.0	0.0	2117.04200
7.8700E00	14.0550	1389.92500	38.80080	1389.81700	667.59900	683.52500	0.0	0.0	1351.12400
7.9000E00	14.0512	707.35800	29.84470	707.27400	334.48600	343.02700	0.0	0.0	677.51300
7.9300E00	14.0474	406.81700	23.87060	406.75000	188.80000	194.14700	0.0	0.0	382.94600
7.9600E00	14.0437	261.89000	20.45810	261.83300	118.80700	122.62400	0.0	0.0	241.43200
8.0000E00	14.0387	165.05900	17.69290	165.01000	72.27550	75.09090	0.0	0.0	147.36600
8.1000E00	14.0262	75.94390	14.37510	75.90379	29.80750	31.76130	0.0	0.0	61.56880
8.2000E00	14.0140	47.08730	12.88240	47.05136	16.23170	17.97320	0.0	0.0	34.20490
8.4000E00	13.9899	27.65610	11.47390	27.62409	7.21540	8.96680	0.0	0.0	16.18220
8.6000E00	13.9663	21.33570	10.76560	21.30566	4.30860	6.26150	0.0	0.0	10.57010
8.8000E00	13.9433	18.74870	10.30400	18.71995	3.08760	5.35710	0.0	0.0	8.44470
9.0000E00	13.9209	17.72680	9.94770	17.69905	2.53330	5.24580	0.0	0.0	7.77910

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
7.5000E00	14.1032	0.0	0.0	60.56762	0.00279	2.89200	0.86649	1.54943	0.00188
7.6000E00	14.0899	0.0	0.0	97.63509	0.00279	2.89200	0.91067	1.51361	0.00189
7.7000E00	14.0769	0.0	0.0	245.14300	0.00279	2.89200	0.97030	1.46881	0.00190
7.7300E00	14.0730	0.0	0.0	387.62400	0.00279	2.89200	0.97320	1.46665	0.00190
7.7600E00	14.0691	0.0	0.0	683.39400	0.00279	2.89200	0.97530	1.46509	0.00191
7.7900E00	14.0653	0.0	0.0	1357.95700	0.00279	2.89200	0.97680	1.46398	0.00191
7.8100E00	14.0627	0.0	0.0	2122.37900	0.00279	2.89200	0.97730	1.46361	0.00191
7.8300E00	14.0601	0.0	0.0	2611.91200	0.00279	2.89200	0.97750	1.46346	0.00192
7.8500E00	14.0576	0.0	0.0	2117.04200	0.00279	2.89200	0.97730	1.46361	0.00192
7.8700E00	14.0550	0.0	0.0	1351.12400	0.00279	2.89200	0.97670	1.46406	0.00192
7.9000E00	14.0512	0.0	0.0	677.51300	0.00279	2.89200	0.97510	1.46524	0.00192
7.9300E00	14.0474	0.0	0.0	382.94600	0.00279	2.89200	0.97250	1.46717	0.00193
7.9600E00	14.0437	0.0	0.0	241.43200	0.00279	2.89200	0.96890	1.46986	0.00193
8.0000E00	14.0387	0.0	0.0	147.36600	0.00279	2.89200	0.96250	1.47465	0.00194
8.1000E00	14.0262	0.0	0.0	61.56880	0.00279	2.89200	0.93850	1.49291	0.00195
8.2000E00	14.0140	0.0	0.0	34.20490	0.00279	2.89200	0.90310	1.52068	0.00196
8.4000E00	13.9899	0.0	0.0	16.18220	0.00279	2.89200	0.80470	1.60359	0.00198
8.6000E00	13.9663	0.0	0.0	10.57010	0.00279	2.89200	0.68810	1.71435	0.00201
8.8000E00	13.9433	0.0	0.0	8.44470	0.00279	2.89200	0.57640	1.83583	0.00203
9.0000E00	13.9209	0.0	0.0	7.77910	0.00279	2.89200	0.48290	1.95158	0.00205

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
9.5000E00	13.8668	18.80660	9.05260	18.78134	2.47360	7.28040	0.0	0.0	9.75400
9.8000E00	13.8357	22.36820	8.50330	22.34448	3.14010	10.72480	0.0	0.0	13.86490
10.0000E00	13.8155	27.34690	8.02980	27.32450	4.11430	15.20280	0.0	0.0	19.31710
10.2000E00	13.7957	37.23080	7.38970	37.21018	6.02560	23.81550	0.0	0.0	29.84110
10.4000E00	13.7763	60.33410	6.43900	60.31614	10.37910	43.51600	0.0	0.0	53.89510
10.6000E00	13.7572	134.11400	4.89670	134.10000	23.86870	105.34900	0.0	0.0	129.21700
10.7000E00	13.7479	248.66100	3.91430	248.65000	44.41950	200.32700	0.0	0.0	244.74600
10.8000E00	13.7385	595.14000	4.23220	595.12800	105.77900	485.12900	0.0	0.0	590.90800
10.8300E00	13.7358	819.76400	5.76860	819.74800	145.27500	668.72100	0.0	0.0	813.99500
10.8600E00	13.7330	1139.89800	9.27040	1139.87200	201.31200	929.31600	0.0	0.0	1130.62800
10.8900E00	13.7303	1528.02100	15.86990	1527.97700	268.82600	1243.32600	0.0	0.0	1512.15100
10.9100E00	13.7284	1745.48300	21.85280	1745.42200	306.26100	1417.37000	0.0	0.0	1723.63000
10.9300E00	13.7266	1834.81000	27.79200	1834.73300	321.05700	1485.96200	0.0	0.0	1807.01800
10.9500E00	13.7248	1752.72500	31.99730	1752.63500	305.86300	1414.86500	0.0	0.0	1720.72700
10.9700E00	13.7229	1540.76000	33.63560	1540.66600	268.16800	1238.95600	0.0	0.0	1507.12400
11.0000E00	13.7202	1156.70400	32.42000	1156.61400	200.59800	923.68700	0.0	0.0	1124.28400
11.0300E00	13.7175	837.28600	29.44300	837.20400	144.77500	663.06800	0.0	0.0	807.84300
11.0600E00	13.7148	611.99700	26.41330	611.92400	105.61400	479.97000	0.0	0.0	585.58400
11.1000E00	13.7112	419.97500	23.09300	419.91000	72.44990	324.43200	0.0	0.0	396.88200
11.2000E00	13.7022	202.54000	17.95650	202.48900	35.55630	149.02700	0.0	0.0	184.58300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
9.5000E00	13.8668	0.0	0.0	9.75400	0.00279	2.89200	0.33980	2.16002	0.00211
9.8000E00	13.8357	0.0	0.0	13.86490	0.00279	2.89200	0.29280	2.23855	0.00214
10.0000E00	13.8155	0.0	0.0	19.31710	0.00279	2.89200	0.27060	2.27767	0.00216
10.2000E00	13.7957	0.0	0.0	29.84110	0.00279	2.89200	0.25300	2.30966	0.00219
10.4000E00	13.7763	0.0	0.0	53.89510	0.00279	2.89200	0.23850	2.33670	0.00221
10.6000E00	13.7572	0.0	0.0	129.21700	0.00279	2.89200	0.22660	2.35937	0.00223
10.7000E00	13.7479	0.0	0.0	244.74600	0.00279	2.89200	0.22170	2.36883	0.00224
10.8000E00	13.7385	0.0	0.0	590.90800	0.00279	2.89200	0.21800	2.37603	0.00225
10.8300E00	13.7358	0.0	0.0	813.99500	0.00279	2.89200	0.21720	2.37759	0.00225
10.8600E00	13.7330	0.0	0.0	1130.62800	0.00279	2.89200	0.21660	2.37876	0.00226
10.8900E00	13.7303	0.0	0.0	1512.15100	0.00279	2.89200	0.21620	2.37954	0.00226
10.9100E00	13.7284	0.0	0.0	1723.63000	0.00279	2.89200	0.21610	2.37974	0.00226
10.9300E00	13.7266	0.0	0.0	1807.01800	0.00279	2.89200	0.21610	2.37974	0.00226
10.9500E00	13.7248	0.0	0.0	1720.72700	0.00279	2.89200	0.21620	2.37954	0.00227
10.9700E00	13.7229	0.0	0.0	1507.12400	0.00279	2.89200	0.21640	2.37915	0.00227
11.0000E00	13.7202	0.0	0.0	1124.28400	0.00279	2.89200	0.21720	2.37759	0.00227
11.0300E00	13.7175	0.0	0.0	807.84300	0.00279	2.89200	0.21830	2.37544	0.00227
11.0600E00	13.7148	0.0	0.0	585.58400	0.00279	2.89200	0.22000	2.37213	0.00228
11.1000E00	13.7112	0.0	0.0	396.88200	0.00279	2.89200	0.22330	2.36573	0.00228
11.2000E00	13.7022	0.0	0.0	184.58300	0.00279	2.89200	0.23860	2.33651	0.00229

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
11.4000E00	13.6845	87.70310	13.35530	87.66584	18.66330	55.68450	0.0	0.0	74.34780
11.6000E00	13.6671	72.95070	10.34720	72.92183	25.90840	36.69510	0.0	0.0	62.60350
11.7000E00	13.6585	101.10400	8.55430	101.08000	48.94630	43.60340	0.0	0.0	92.54970
11.8000E00	13.6500	278.87200	6.18640	278.85500	168.49700	104.18900	0.0	0.0	272.68600
11.8300E00	13.6475	495.75700	6.43310	495.73900	309.93700	179.38700	0.0	0.0	489.32300
11.8600E00	13.6449	1092.33700	12.21110	1092.30300	694.61900	385.50700	0.0	0.0	1080.12600
11.8800E00	13.6432	2003.40800	28.84130	2003.32800	1276.53800	698.02900	0.0	0.0	1974.56700
11.9000E00	13.6416	2796.39400	58.96790	2796.22900	1772.87800	964.54800	0.0	0.0	2737.42600
11.9200E00	13.6399	2033.11900	63.06490	2032.94300	1274.18500	695.86900	0.0	0.0	1970.05400
11.9400E00	13.6382	1123.34500	49.24310	1123.20800	691.86800	382.23400	0.0	0.0	1074.10200
11.9700E00	13.6357	517.14600	34.91500	517.04900	307.38000	174.85100	0.0	0.0	482.23100
12.0000E00	13.6332	293.12000	26.01345	293.04800	166.60000	100.50700	0.0	0.0	267.10700
12.1000E00	13.6249	98.55302	17.49450	98.50421	46.50230	34.55622	0.0	0.0	81.05852
12.2000E00	13.6167	57.32527	14.70810	57.28423	22.16094	20.45623	0.0	0.0	42.61717
12.4000E00	13.6004	33.95768	12.39314	33.92310	9.32919	12.23536	0.0	0.0	21.56454
12.6000E00	13.5844	26.64831	11.26139	26.61689	5.77147	9.61545	0.0	0.0	15.38692
12.8000E00	13.5687	23.50911	10.50564	23.47980	4.41001	8.59346	0.0	0.0	13.00347
13.0000E00	13.5531	22.18057	9.90316	22.15294	3.90866	8.36875	0.0	0.0	12.27741
13.2000E00	13.5379	22.01708	9.35728	21.99097	3.91508	8.74472	0.0	0.0	12.65980
13.4000E00	13.5228	22.97905	8.80581	22.95448	4.39724	9.77600	0.0	0.0	14.17324

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
11.4000E00	13.6845	0.0	0.0	74.34780	0.00279	2.89200	0.33520	2.16747	0.00231
11.6000E00	13.6671	0.0	0.0	62.60350	0.00279	2.89200	0.70600	1.69637	0.00233
11.7000E00	13.6585	0.0	0.0	92.54970	0.00279	2.89200	1.12250	1.36349	0.00234
11.8000E00	13.6500	0.0	0.0	272.68600	0.00279	2.89200	1.61720	1.10576	0.00235
11.8300E00	13.6475	0.0	0.0	489.32300	0.00279	2.89200	1.72780	1.06093	0.00235
11.8600E00	13.6449	0.0	0.0	1080.12600	0.00279	2.89200	1.80180	1.03291	0.00236
11.8800E00	13.6432	0.0	0.0	1974.56700	0.00279	2.89200	1.82880	1.02305	0.00236
11.9000E00	13.6416	0.0	0.0	2737.42600	0.00279	2.89200	1.83800	1.01973	0.00236
11.9200E00	13.6399	0.0	0.0	1970.05400	0.00279	2.89200	1.83110	1.02222	0.00236
11.9400E00	13.6382	0.0	0.0	1074.10200	0.00279	2.89200	1.81010	1.02986	0.00237
11.9700E00	13.6357	0.0	0.0	482.23100	0.00279	2.89200	1.75800	1.04931	0.00237
12.0000E00	13.6332	0.0	0.0	267.10700	0.00279	2.89200	1.65760	1.08820	0.00237
12.1000E00	13.6249	0.0	0.0	81.05852	0.00279	2.89200	1.34570	1.23289	0.00238
12.2000E00	13.6167	0.0	0.0	42.61717	0.00279	2.89200	1.08333	1.38816	0.00239
12.4000E00	13.6004	0.0	0.0	21.56454	0.00279	2.89200	0.76248	1.64087	0.00241
12.6000E00	13.5844	0.0	0.0	15.38692	0.00279	2.89200	0.60023	1.80724	0.00243
12.8000E00	13.5687	0.0	0.0	13.00347	0.00279	2.89200	0.51318	1.91120	0.00245
13.0000E00	13.5531	0.0	0.0	12.27741	0.00279	2.89200	0.46705	1.97130	0.00247
13.2000E00	13.5379	0.0	0.0	12.65980	0.00279	2.89200	0.44771	1.99764	0.00249
13.4000E00	13.5228	0.0	0.0	14.17324	0.00279	2.89200	0.44980	1.99476	0.00251

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
13.6000E00	13.5080	25.57827	8.18596	25.55543	5.58674	11.80556	0.0	0.0	17.39230
13.8000E00	13.4934	31.71684	7.39694	31.69620	8.35017	15.96973	0.0	0.0	24.31990
14.0000E00	13.4790	50.74722	6.18131	50.72997	16.86290	27.70301	0.0	0.0	44.56591
14.1000E00	13.4719	83.89006	5.16747	83.87564	31.45934	47.26325	0.0	0.0	78.72259
14.2000E00	13.4649	245.14000	3.91952	245.12900	100.78400	140.43700	0.0	0.0	241.22000
14.2400E00	13.4620	515.38100	5.46828	515.36600	215.09600	294.81700	0.0	0.0	509.91300
14.2600E00	13.4606	744.85300	9.10460	744.82800	311.12500	424.62400	0.0	0.0	735.74900
14.2800E00	13.4592	884.01600	14.86978	883.97500	367.97300	501.17400	0.0	0.0	869.14700
14.3000E00	13.4578	760.20200	18.27622	760.15100	314.28300	427.64300	0.0	0.0	741.92600
14.3200E00	13.4564	540.99000	17.90612	540.94000	221.78100	301.30300	0.0	0.0	523.08400
14.3400E00	13.4550	380.87600	16.33053	380.83100	154.95200	209.59300	0.0	0.0	364.54600
14.3600E00	13.4536	285.55400	14.89399	285.51200	115.66500	154.99500	0.0	0.0	270.66000
14.3800E00	13.4523	231.13800	13.84959	231.09900	93.70524	123.58300	0.0	0.0	217.28800
14.4000E00	13.4509	201.01200	13.17389	200.97500	82.07350	105.76500	0.0	0.0	187.83800
14.4500E00	13.4474	183.42000	12.86611	183.38400	78.10643	92.44758	0.0	0.0	170.55400
14.5000E00	13.4439	223.27600	14.93569	223.23400	100.87900	107.46100	0.0	0.0	208.34000
14.5500E00	13.4405	350.77000	22.48391	350.70700	167.42200	160.86400	0.0	0.0	328.28600
14.6000E00	13.4371	750.89200	50.38896	750.75100	371.94700	328.55600	0.0	0.0	700.50300
14.6200E00	13.4357	1143.30400	80.53964	1143.07900	570.92300	491.84100	0.0	0.0	1062.76400
14.6400E00	13.4343	1865.31400	139.93400	1864.92400	934.95200	790.42800	0.0	0.0	1725.38000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
13.6000E00	13.5080	0.0	0.0	17.39230	0.00279	2.89200	0.47323	1.96303	0.00252
13.8000E00	13.4934	0.0	0.0	24.31990	0.00279	2.89200	0.52288	1.89904	0.00254
14.0000E00	13.4790	0.0	0.0	44.56591	0.00279	2.89200	0.60870	1.79772	0.00256
14.1000E00	13.4719	0.0	0.0	78.72259	0.00279	2.89200	0.66562	1.73629	0.00257
14.2000E00	13.4649	0.0	0.0	241.22000	0.00279	2.89200	0.71764	1.68370	0.00258
14.2400E00	13.4620	0.0	0.0	509.91300	0.00279	2.89200	0.72959	1.67207	0.00258
14.2600E00	13.4606	0.0	0.0	735.74900	0.00279	2.89200	0.73271	1.66906	0.00259
14.2800E00	13.4592	0.0	0.0	869.14700	0.00279	2.89200	0.73422	1.66761	0.00259
14.3000E00	13.4578	0.0	0.0	741.92600	0.00279	2.89200	0.73492	1.66694	0.00259
14.3200E00	13.4564	0.0	0.0	523.08400	0.00279	2.89200	0.73607	1.66583	0.00259
14.3400E00	13.4550	0.0	0.0	364.54600	0.00279	2.89200	0.73930	1.66274	0.00259
14.3600E00	13.4536	0.0	0.0	270.66000	0.00279	2.89200	0.74625	1.65612	0.00259
14.3800E00	13.4523	0.0	0.0	217.28800	0.00279	2.89200	0.75824	1.64483	0.00260
14.4000E00	13.4509	0.0	0.0	187.83800	0.00279	2.89200	0.77600	1.62838	0.00260
14.4500E00	13.4474	0.0	0.0	170.55400	0.00279	2.89200	0.84487	1.56759	0.00260
14.5000E00	13.4439	0.0	0.0	208.34000	0.00279	2.89200	0.93875	1.49168	0.00261
14.5500E00	13.4405	0.0	0.0	328.28600	0.00279	2.89200	1.04077	1.41711	0.00261
14.6000E00	13.4371	0.0	0.0	700.50300	0.00279	2.89200	1.13206	1.35643	0.00262
14.6200E00	13.4357	0.0	0.0	1062.76400	0.00279	2.89200	1.16079	1.33840	0.00262
14.6400E00	13.4343	0.0	0.0	1725.38000	0.00279	2.89200	1.18284	1.32488	0.00262

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
14.6600E00	13.4330	3044.69400	245.85600	3044.00800	1524.77400	1274.06400	0.0	0.0	2798.83800
14.6800E00	13.4316	3881.00200	339.58900	3880.05400	1932.65700	1608.75600	0.0	0.0	3541.41300
14.7000E00	13.4302	3088.57100	293.70500	3087.75200	1521.89900	1272.96700	0.0	0.0	2794.86600
14.7200E00	13.4289	1918.52300	198.21500	1917.97000	930.78500	789.52300	0.0	0.0	1720.30800
14.7400E00	13.4275	1191.03500	133.31200	1190.66300	566.09700	491.62700	0.0	0.0	1057.72400
14.7600E00	13.4262	790.93400	95.45229	790.66800	366.46800	329.01400	0.0	0.0	695.48200
14.8000E00	13.4235	423.78000	58.32549	423.61700	183.91900	181.53500	0.0	0.0	365.45400
14.9000E00	13.4167	178.99100	30.01461	178.90700	61.27156	87.70453	0.0	0.0	148.97600
15.0000E00	13.4100	126.00800	21.69764	125.94800	31.66427	72.64650	0.0	0.0	104.31100
15.1000E00	13.4034	114.60400	17.95119	114.55300	20.65217	76.00017	0.0	0.0	96.65234
15.2000E00	13.3968	119.52000	15.87874	119.47600	15.78315	87.85827	0.0	0.0	103.64100
15.3000E00	13.3902	132.32600	14.71397	132.28500	13.52924	104.08300	0.0	0.0	117.61200
15.4000E00	13.3837	145.47400	14.11875	145.43500	12.38756	118.96800	0.0	0.0	131.35500
15.4300E00	13.3818	148.08900	14.02203	148.05000	12.11200	121.95500	0.0	0.0	134.06700
15.4600E00	13.3798	149.65200	13.95296	149.61300	11.83042	123.86800	0.0	0.0	135.69900
15.4800E00	13.3785	150.02100	13.91906	149.98200	11.63198	124.47000	0.0	0.0	136.10200
15.5000E00	13.3773	149.81400	13.89254	149.77500	11.42122	124.50000	0.0	0.0	135.92100
15.5200E00	13.3760	149.01600	13.87139	148.97700	11.19617	123.94900	0.0	0.0	135.14500
15.5400E00	13.3747	147.63500	13.85369	147.59600	10.95591	122.82500	0.0	0.0	133.78100
15.5700E00	13.3727	144.52500	13.82972	144.48600	10.56754	120.12700	0.0	0.0	130.69500

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
14.6600E00	13.4330	0.0	0.0	2798.83800	0.00279	2.89200	1.19678	1.31647	0.00262
14.6800E00	13.4316	0.0	0.0	3541.41300	0.00279	2.89200	1.20134	1.31375	0.00262
14.7000E00	13.4302	0.0	0.0	2794.86600	0.00279	2.89200	1.19555	1.31721	0.00262
14.7200E00	13.4289	0.0	0.0	1720.30800	0.00279	2.89200	1.17892	1.32726	0.00263
14.7400E00	13.4275	0.0	0.0	1057.72400	0.00279	2.89200	1.15148	1.34419	0.00263
14.7600E00	13.4262	0.0	0.0	695.48200	0.00279	2.89200	1.11384	1.36813	0.00263
14.8000E00	13.4235	0.0	0.0	365.45400	0.00279	2.89200	1.01313	1.43657	0.00263
14.9000E00	13.4167	0.0	0.0	148.97600	0.00279	2.89200	0.69861	1.70257	0.00264
15.0000E00	13.4100	0.0	0.0	104.31100	0.00279	2.89200	0.43587	2.01411	0.00265
15.1000E00	13.4034	0.0	0.0	96.65234	0.00279	2.89200	0.27174	2.27405	0.00266
15.2000E00	13.3968	0.0	0.0	103.64100	0.00279	2.89200	0.17964	2.45159	0.00267
15.3000E00	13.3902	0.0	0.0	117.61200	0.00279	2.89200	0.12999	2.55933	0.00268
15.4000E00	13.3837	0.0	0.0	131.35500	0.00279	2.89200	0.10413	2.61927	0.00269
15.4300E00	13.3818	0.0	0.0	134.06700	0.00279	2.89200	0.09932	2.63073	0.00269
15.4600E00	13.3798	0.0	0.0	135.69900	0.00279	2.89200	0.09551	2.63987	0.00269
15.4800E00	13.3785	0.0	0.0	136.10200	0.00279	2.89200	0.09345	2.64483	0.00269
15.5000E00	13.3773	0.0	0.0	135.92100	0.00279	2.89200	0.09174	2.64899	0.00270
15.5200E00	13.3760	0.0	0.0	135.14500	0.00279	2.89200	0.09033	2.65241	0.00270
15.5400E00	13.3747	0.0	0.0	133.78100	0.00279	2.89200	0.08920	2.65516	0.00270
15.5700E00	13.3727	0.0	0.0	130.69500	0.00279	2.89200	0.08797	2.65816	0.00270

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
15.6000E00	13.3708	140.30600	13.80432	140.26800	10.14947	116.35200	0.0	0.0	126.50200
15.7000E00	13.3644	121.03400	13.66861	120.99600	8.64562	98.71967	0.0	0.0	107.36500
15.8000E00	13.3581	99.77508	13.43416	99.73759	7.21226	79.12866	0.0	0.0	86.34092
15.9000E00	13.3518	81.29518	13.13402	81.25854	6.03266	62.12849	0.0	0.0	68.16116
16.0000E00	13.3455	66.81835	12.81014	66.78261	5.13586	48.87236	0.0	0.0	54.00822
16.2000E00	13.3331	47.81772	12.17599	47.78375	4.02576	31.61597	0.0	0.0	35.64173
16.4000E00	13.3208	37.27046	11.58811	37.23813	3.55665	22.12571	0.0	0.0	25.68235
16.6000E00	13.3087	31.50156	11.01724	31.47082	3.59013	16.89419	0.0	0.0	20.48432
16.8000E00	13.2967	29.00539	10.39975	28.97638	4.24011	14.36552	0.0	0.0	18.60564
17.0000E00	13.2849	30.18427	9.63130	30.15740	6.12872	14.42425	0.0	0.0	20.55297
17.2000E00	13.2732	40.25485	8.45281	40.23127	11.96671	19.83534	0.0	0.0	31.80204
17.3000E00	13.2674	56.64490	7.50651	56.62396	20.16954	28.96885	0.0	0.0	49.13839
17.4000E00	13.2616	104.40000	6.08437	104.38300	42.91168	55.40433	0.0	0.0	98.31601
17.5000E00	13.2559	333.18000	4.85736	333.16700	148.41400	179.90900	0.0	0.0	328.32300
17.5300E00	13.2542	576.20400	6.50625	576.18600	258.97900	310.71900	0.0	0.0	569.69800
17.5600E00	13.2525	1116.13100	14.72136	1116.09000	502.47200	598.93800	0.0	0.0	1101.41000
17.5800E00	13.2513	1703.50200	29.53908	1703.41900	764.64500	909.31800	0.0	0.0	1673.96300
17.6000E00	13.2502	2074.62200	49.23176	2074.48400	925.57700	1099.81400	0.0	0.0	2025.39000
17.6200E00	13.2491	1727.61000	55.71747	1727.45400	763.76000	908.13300	0.0	0.0	1671.89300
17.6400E00	13.2479	1147.63900	49.06712	1147.50200	501.29800	597.27400	0.0	0.0	1098.57200

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
15.6000E00	13.3708	0.0	0.0	126.50200	0.00279	2.89200	0.08723	2.65997	0.00270
15.7000E00	13.3644	0.0	0.0	107.36500	0.00279	2.89200	0.08758	2.65912	0.00271
15.8000E00	13.3581	0.0	0.0	86.34092	0.00279	2.89200	0.09115	2.65042	0.00272
15.9000E00	13.3518	0.0	0.0	68.16116	0.00279	2.89200	0.09710	2.63604	0.00273
16.0000E00	13.3455	0.0	0.0	54.00822	0.00279	2.89200	0.10509	2.61699	0.00274
16.2000E00	13.3331	0.0	0.0	35.64173	0.00279	2.89200	0.12733	2.56535	0.00276
16.4000E00	13.3208	0.0	0.0	25.68235	0.00279	2.89200	0.16075	2.49150	0.00277
16.6000E00	13.3087	0.0	0.0	20.48432	0.00279	2.89200	0.21251	2.38514	0.00279
16.8000E00	13.2967	0.0	0.0	18.60564	0.00279	2.89200	0.29516	2.23293	0.00281
17.0000E00	13.2849	0.0	0.0	20.55297	0.00279	2.89200	0.42489	2.02963	0.00282
17.2000E00	13.2732	0.0	0.0	31.80204	0.00279	2.89200	0.60330	1.80378	0.00284
17.3000E00	13.2674	0.0	0.0	49.13839	0.00279	2.89200	0.69625	1.70494	0.00285
17.4000E00	13.2616	0.0	0.0	98.31601	0.00279	2.89200	0.77452	1.62974	0.00286
17.5000E00	13.2559	0.0	0.0	328.32300	0.00279	2.89200	0.82494	1.58471	0.00286
17.5300E00	13.2542	0.0	0.0	569.69800	0.00279	2.89200	0.83348	1.57733	0.00287
17.5600E00	13.2525	0.0	0.0	1101.41000	0.00279	2.89200	0.83894	1.57265	0.00287
17.5800E00	13.2513	0.0	0.0	1673.96300	0.00279	2.89200	0.84090	1.57097	0.00287
17.6000E00	13.2502	0.0	0.0	2025.39000	0.00279	2.89200	0.84158	1.57039	0.00287
17.6200E00	13.2491	0.0	0.0	1671.89300	0.00279	2.89200	0.84102	1.57087	0.00287
17.6400E00	13.2479	0.0	0.0	1098.57200	0.00279	2.89200	0.83931	1.57233	0.00288

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
17.6700E00	13.2462	604.20400	37.35917	604.10000	257.89200	308.95300	0.0	0.0	566.84500
17.7000E00	13.2445	355.58400	29.96770	355.50100	147.48900	178.12800	0.0	0.0	325.61700
17.8000E00	13.2389	115.62700	20.12831	115.57000	42.25792	53.24027	0.0	0.0	95.49819
17.9000E00	13.2333	62.56984	16.86573	62.52279	19.57209	26.13203	0.0	0.0	45.70411
18.0000E00	13.2277	42.80151	15.27361	42.75889	11.34911	16.17879	0.0	0.0	27.52790
18.1000E00	13.2222	33.22477	14.32548	33.18481	7.48610	11.41319	0.0	0.0	18.89929
18.2000E00	13.2167	27.79419	13.68952	27.75599	5.36867	8.73600	0.0	0.0	14.10467
18.4000E00	13.2057	22.05058	12.87333	22.01466	3.24378	5.93347	0.0	0.0	9.17725
18.6000E00	13.1949	19.13172	12.35423	19.09726	2.24989	4.52760	0.0	0.0	6.77749
19.0000E00	13.1737	16.23750	11.68937	16.20488	1.38064	3.16749	0.0	0.0	4.54813
19.5000E00	13.1477	14.59799	11.14149	14.56691	0.99128	2.46522	0.0	0.0	3.45651
20.0000E00	13.1224	13.79620	10.64556	13.76649	0.89096	2.25968	0.0	0.0	3.15064
20.5000E00	13.0977	13.69350	10.20904	13.66502	0.99310	2.49136	0.0	0.0	3.48446
21.0000E00	13.0736	14.74404	9.67674	14.71704	1.46631	3.60099	0.0	0.0	5.06730
21.2000E00	13.0641	16.00020	9.39953	15.97397	1.91972	4.68095	0.0	0.0	6.60067
21.4000E00	13.0547	18.54479	9.05712	18.51952	2.76943	6.71825	0.0	0.0	9.48768
21.6000E00	13.0454	24.39190	8.62834	24.36782	4.61066	11.15290	0.0	0.0	15.76356
21.7000E00	13.0408	30.43963	8.39087	30.41621	6.45189	15.59687	0.0	0.0	22.04875
21.8000E00	13.0362	41.69559	8.19235	41.67273	9.80504	23.69820	0.0	0.0	33.50324
21.9000E00	13.0316	65.96157	8.25235	65.93854	16.88757	40.82165	0.0	0.0	57.70921

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
17.6700E00	13.2462	0.0	0.0	566.84500	0.00279	2.89200	0.83473	1.57625	0.00288
17.7000E00	13.2445	0.0	0.0	325.61700	0.00279	2.89200	0.82799	1.58206	0.00288
17.8000E00	13.2389	0.0	0.0	95.49819	0.00279	2.89200	0.79372	1.61229	0.00289
17.9000E00	13.2333	0.0	0.0	45.70411	0.00279	2.89200	0.74897	1.65355	0.00290
18.0000E00	13.2277	0.0	0.0	27.52790	0.00279	2.89200	0.70148	1.69970	0.00290
18.1000E00	13.2222	0.0	0.0	18.89929	0.00279	2.89200	0.65592	1.74646	0.00291
18.2000E00	13.2167	0.0	0.0	14.10467	0.00279	2.89200	0.61455	1.79122	0.00292
18.4000E00	13.2057	0.0	0.0	9.17725	0.00279	2.89200	0.54669	1.86980	0.00294
18.6000E00	13.1949	0.0	0.0	6.77749	0.00279	2.89200	0.49693	1.93196	0.00295
19.0000E00	13.1737	0.0	0.0	4.54813	0.00279	2.89200	0.43588	2.01410	0.00298
19.5000E00	13.1477	0.0	0.0	3.45651	0.00279	2.89200	0.40211	2.06261	0.00302
20.0000E00	13.1224	0.0	0.0	3.15064	0.00279	2.89200	0.39429	2.07418	0.00306
20.5000E00	13.0977	0.0	0.0	3.48446	0.00279	2.89200	0.39862	2.06776	0.00310
21.0000E00	13.0736	0.0	0.0	5.06730	0.00279	2.89200	0.40720	2.05515	0.00314
21.2000E00	13.0641	0.0	0.0	6.60067	0.00279	2.89200	0.41011	2.05090	0.00315
21.4000E00	13.0547	0.0	0.0	9.48768	0.00279	2.89200	0.41222	2.04783	0.00317
21.6000E00	13.0454	0.0	0.0	15.76356	0.00279	2.89200	0.41340	2.04612	0.00318
21.7000E00	13.0408	0.0	0.0	22.04875	0.00279	2.89200	0.41367	2.04575	0.00319
21.8000E00	13.0362	0.0	0.0	33.50324	0.00279	2.89200	0.41375	2.04563	0.00320
21.9000E00	13.0316	0.0	0.0	57.70921	0.00279	2.89200	0.41369	2.04571	0.00320

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
22.0000E00	13.0271	132.71200	9.70065	132.68500	35.98910	87.02265	0.0	0.0	123.01200
22.1000E00	13.0225	421.41500	21.60527	421.35500	116.94300	282.86600	0.0	0.0	399.81000
22.1300E00	13.0212	686.67500	35.44564	686.57600	190.47300	460.75700	0.0	0.0	651.23000
22.1600E00	13.0198	1164.15200	64.29654	1163.97300	321.67600	778.17900	0.0	0.0	1099.85600
22.1800E00	13.0189	1560.78900	92.73564	1560.53000	429.35700	1038.69600	0.0	0.0	1468.05300
22.2000E00	13.0180	1766.96000	114.81700	1766.64000	483.19600	1168.94700	0.0	0.0	1652.14300
22.2200E00	13.0171	1580.30600	113.57800	1579.98900	428.97200	1037.75600	0.0	0.0	1466.72800
22.2400E00	13.0162	1193.36900	95.49928	1193.10200	321.09900	776.77100	0.0	0.0	1097.86900
22.2700E00	13.0149	716.88600	67.71676	716.69700	189.87600	459.29300	0.0	0.0	649.16900
22.3000E00	13.0135	447.83400	49.83675	447.69500	116.42200	281.57600	0.0	0.0	397.99800
22.4000E00	13.0090	148.72200	26.84390	148.64800	35.67499	86.20357	0.0	0.0	121.87900
22.5000E00	13.0046	76.95835	20.06737	76.90237	16.67456	40.21642	0.0	0.0	56.89098
22.6000E00	13.0001	49.92904	17.07969	49.88138	9.64952	23.19983	0.0	0.0	32.84935
22.7000E00	12.9957	36.93038	15.43785	36.88730	6.33501	15.15752	0.0	0.0	21.49253
22.8000E00	12.9913	29.67838	14.40625	29.63819	4.52374	10.74839	0.0	0.0	15.27213
23.0000E00	12.9826	22.26376	13.17611	22.22700	2.73591	6.35174	0.0	0.0	9.08765
23.2000E00	12.9739	18.75445	12.44885	18.71972	1.95616	4.34945	0.0	0.0	6.30560
23.4000E00	12.9654	16.94883	11.93809	16.91553	1.64681	3.36394	0.0	0.0	5.01075
23.5000E00	12.9611	16.51403	11.71901	16.48133	1.65608	3.13893	0.0	0.0	4.79501
23.6000E00	12.9568	16.35690	11.31437	16.32533	1.88046	3.16208	0.0	0.0	5.04253

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
22.0000E00	13.0271	0.0	0.0	123.01200	0.00279	2.89200	0.41356	2.04590	0.00321
22.1000E00	13.0225	0.0	0.0	399.81000	0.00279	2.89200	0.41342	2.04610	0.00322
22.1300E00	13.0212	0.0	0.0	651.23000	0.00279	2.89200	0.41339	2.04614	0.00322
22.1600E00	13.0198	0.0	0.0	1099.85600	0.00279	2.89200	0.41337	2.04617	0.00322
22.1800E00	13.0189	0.0	0.0	1468.05300	0.00279	2.89200	0.41336	2.04618	0.00322
22.2000E00	13.0180	0.0	0.0	1652.14300	0.00279	2.89200	0.41336	2.04619	0.00323
22.2200E00	13.0171	0.0	0.0	1466.72800	0.00279	2.89200	0.41336	2.04618	0.00323
22.2400E00	13.0162	0.0	0.0	1097.86900	0.00279	2.89200	0.41338	2.04616	0.00323
22.2700E00	13.0149	0.0	0.0	649.16900	0.00279	2.89200	0.41341	2.04611	0.00323
22.3000E00	13.0135	0.0	0.0	397.99800	0.00279	2.89200	0.41347	2.04603	0.00323
22.4000E00	13.0090	0.0	0.0	121.87900	0.00279	2.89200	0.41385	2.04548	0.00324
22.5000E00	13.0046	0.0	0.0	56.89098	0.00279	2.89200	0.41462	2.04436	0.00325
22.6000E00	13.0001	0.0	0.0	32.84935	0.00279	2.89200	0.41593	2.04247	0.00325
22.7000E00	12.9957	0.0	0.0	21.49253	0.00279	2.89200	0.41794	2.03957	0.00326
22.8000E00	12.9913	0.0	0.0	15.27213	0.00279	2.89200	0.42088	2.03536	0.00327
23.0000E00	12.9826	0.0	0.0	9.08765	0.00279	2.89200	0.43073	2.02134	0.00328
23.2000E00	12.9739	0.0	0.0	6.30560	0.00279	2.89200	0.44975	1.99483	0.00330
23.4000E00	12.9654	0.0	0.0	5.01075	0.00279	2.89200	0.48955	1.94153	0.00331
23.5000E00	12.9611	0.0	0.0	4.79501	0.00279	2.89200	0.52759	1.89317	0.00332
23.6000E00	12.9568	0.0	0.0	5.04253	0.00279	2.89200	0.59469	1.81352	0.00333

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
23.7000E00	12.9526	17.57706	11.06376	17.54619	2.70901	3.80429	0.0	0.0	6.51330
23.8000E00	12.9484	25.50607	10.67294	25.47629	7.02086	7.81227	0.0	0.0	14.83313
23.8300E00	12.9472	34.77763	10.49128	34.74836	11.86433	12.42202	0.0	0.0	24.28635
23.8600E00	12.9459	57.73219	10.34680	57.70332	23.67386	23.71153	0.0	0.0	47.38539
23.8800E00	12.9451	86.86907	10.53245	86.83969	38.46540	37.87123	0.0	0.0	76.33662
23.9000E00	12.9442	107.96600	11.30205	107.93500	48.85365	47.81036	0.0	0.0	96.66401
23.9200E00	12.9434	88.20611	12.00201	88.17262	38.41746	37.78663	0.0	0.0	76.20409
23.9400E00	12.9425	59.25790	12.08917	59.22417	23.60272	23.56601	0.0	0.0	47.16873
23.9700E00	12.9413	35.84234	11.86793	35.80923	11.77430	12.20011	0.0	0.0	23.97441
24.0000E00	12.9400	26.08373	11.65777	26.05120	6.91221	7.51375	0.0	0.0	14.42596
24.1000E00	12.9359	17.01675	11.26221	16.98533	2.52402	3.23052	0.0	0.0	5.75454
24.2000E00	12.9317	14.93291	11.04806	14.90208	1.60328	2.28157	0.0	0.0	3.88484
24.3000E00	12.9276	14.07678	10.89063	14.04640	1.27618	1.90997	0.0	0.0	3.18615
24.4000E00	12.9235	13.61347	10.75728	13.58346	1.13390	1.72229	0.0	0.0	2.85619
24.6000E00	12.9153	13.13753	10.51953	13.10818	1.05678	1.56123	0.0	0.0	2.61801
24.8000E00	12.9073	12.95597	10.28924	12.92726	1.11868	1.54805	0.0	0.0	2.66673
25.0000E00	12.8992	13.00168	10.04263	12.97366	1.30050	1.65855	0.0	0.0	2.95905
25.2000E00	12.8913	13.37498	9.77539	13.34770	1.65873	1.94086	0.0	0.0	3.59958
25.4000E00	12.8833	14.31159	9.40552	14.28535	2.35994	2.54612	0.0	0.0	4.90607
25.6000E00	12.8755	16.72114	8.87534	16.69638	3.90847	3.93733	0.0	0.0	7.84580

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
23.7000E00	12.9526	0.0	0.0	6.51330	0.00279	2.89200	0.71209	1.68916	0.00333
23.8000E00	12.9484	0.0	0.0	14.83313	0.00279	2.89200	0.89870	1.52315	0.00334
23.8300E00	12.9472	0.0	0.0	24.28635	0.00279	2.89200	0.95510	1.47920	0.00334
23.8600E00	12.9459	0.0	0.0	47.38539	0.00279	2.89200	0.99841	1.44715	0.00334
23.8800E00	12.9451	0.0	0.0	76.33662	0.00279	2.89200	1.01569	1.43474	0.00335
23.9000E00	12.9442	0.0	0.0	96.66401	0.00279	2.89200	1.02182	1.43039	0.00335
23.9200E00	12.9434	0.0	0.0	76.20409	0.00279	2.89200	1.01669	1.43403	0.00335
23.9400E00	12.9425	0.0	0.0	47.16873	0.00279	2.89200	1.00156	1.44487	0.00335
23.9700E00	12.9413	0.0	0.0	23.97441	0.00279	2.89200	0.96510	1.47168	0.00335
24.0000E00	12.9400	0.0	0.0	14.42596	0.00279	2.89200	0.91994	1.50630	0.00335
24.1000E00	12.9359	0.0	0.0	5.75454	0.00279	2.89200	0.78131	1.62353	0.00336
24.2000E00	12.9317	0.0	0.0	3.88484	0.00279	2.89200	0.70271	1.69847	0.00337
24.3000E00	12.9276	0.0	0.0	3.18615	0.00279	2.89200	0.66816	1.73364	0.00337
24.4000E00	12.9235	0.0	0.0	2.85619	0.00279	2.89200	0.65837	1.74388	0.00338
24.6000E00	12.9153	0.0	0.0	2.61801	0.00279	2.89200	0.67689	1.72462	0.00340
24.8000E00	12.9073	0.0	0.0	2.66673	0.00279	2.89200	0.72263	1.67882	0.00341
25.0000E00	12.8992	0.0	0.0	2.95905	0.00279	2.89200	0.78412	1.62097	0.00342
25.2000E00	12.8913	0.0	0.0	3.59958	0.00279	2.89200	0.85464	1.55934	0.00344
25.4000E00	12.8833	0.0	0.0	4.90607	0.00279	2.89200	0.92688	1.50087	0.00345
25.6000E00	12.8755	0.0	0.0	7.84580	0.00279	2.89200	0.99267	1.45132	0.00346

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
25.8000E00	12.8677	24.31635	7.99425	24.29404	8.33573	7.98636	0.0	0.0	16.32209
25.9000E00	12.8639	35.37026	7.28585	35.34993	14.46308	13.62133	0.0	0.0	28.08441
26.0000E00	12.8600	67.11652	6.31651	67.09889	31.48973	29.31029	0.0	0.0	60.80001
26.1000E00	12.8562	223.63600	6.56214	223.61700	112.78700	104.28700	0.0	0.0	217.07400
26.1300E00	12.8550	399.24700	9.63829	399.22000	202.53600	187.07300	0.0	0.0	389.60900
26.1600E00	12.8539	826.86300	21.74655	826.80200	418.67000	386.44600	0.0	0.0	805.11600
26.1800E00	12.8531	1360.01900	43.25008	1359.89800	684.81400	631.95400	0.0	0.0	1316.76900
26.2000E00	12.8523	1741.10100	70.39428	1740.90500	868.92100	801.78600	0.0	0.0	1670.70700
26.2200E00	12.8516	1387.95600	72.19395	1387.75400	684.29500	631.46700	0.0	0.0	1315.76200
26.2400E00	12.8508	860.98700	57.10340	860.82800	418.03800	385.84600	0.0	0.0	803.88400
26.2700E00	12.8497	428.07000	39.50698	427.95900	202.00800	186.55500	0.0	0.0	388.56300
26.3000E00	12.8485	246.49000	30.25297	246.40600	112.37400	103.86300	0.0	0.0	216.23700
26.4000E00	12.8447	79.65564	19.33419	79.60170	31.28730	29.03415	0.0	0.0	60.32145
26.5000E00	12.8410	43.77379	16.02533	43.72908	14.36186	13.38660	0.0	0.0	27.74846
26.6000E00	12.8372	30.54116	14.47000	30.50079	8.31149	7.75967	0.0	0.0	16.07116
26.8000E00	12.8297	20.73268	12.95051	20.69654	4.08785	3.69432	0.0	0.0	7.78217
26.9000E00	12.8260	18.68423	12.49389	18.64938	3.35564	2.83471	0.0	0.0	6.19034
27.0000E00	12.8223	17.59818	12.10848	17.56440	3.19338	2.29632	0.0	0.0	5.48970
27.1000E00	12.8186	17.75586	11.71347	17.72317	4.04757	1.99481	0.0	0.0	6.04238
27.2000E00	12.8149	23.57634	10.97296	23.54573	10.37216	2.23123	0.0	0.0	12.60338

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
25.8000E00	12.8677	0.0	0.0	16.32209	0.00279	2.89200	1.04375	1.41505	0.00348
25.9000E00	12.8639	0.0	0.0	28.08441	0.00279	2.89200	1.06180	1.40266	0.00348
26.0000E00	12.8600	0.0	0.0	60.80001	0.00279	2.89200	1.07436	1.39417	0.00349
26.1000E00	12.8562	0.0	0.0	217.07400	0.00279	2.89200	1.08151	1.38938	0.00350
26.1300E00	12.8550	0.0	0.0	389.60900	0.00279	2.89200	1.08266	1.38861	0.00350
26.1600E00	12.8539	0.0	0.0	805.11600	0.00279	2.89200	1.08339	1.38813	0.00350
26.1800E00	12.8531	0.0	0.0	1316.76900	0.00279	2.89200	1.08364	1.38795	0.00350
26.2000E00	12.8523	0.0	0.0	1670.70700	0.00279	2.89200	1.08373	1.38789	0.00350
26.2200E00	12.8516	0.0	0.0	1315.76200	0.00279	2.89200	1.08366	1.38794	0.00351
26.2400E00	12.8508	0.0	0.0	803.88400	0.00279	2.89200	1.08343	1.38809	0.00351
26.2700E00	12.8497	0.0	0.0	388.56300	0.00279	2.89200	1.08283	1.38849	0.00351
26.3000E00	12.8485	0.0	0.0	216.23700	0.00279	2.89200	1.08195	1.38908	0.00351
26.4000E00	12.8447	0.0	0.0	60.32145	0.00279	2.89200	1.07760	1.39199	0.00352
26.5000E00	12.8410	0.0	0.0	27.74846	0.00279	2.89200	1.07285	1.39518	0.00352
26.6000E00	12.8372	0.0	0.0	16.07116	0.00279	2.89200	1.07111	1.39635	0.00353
26.8000E00	12.8297	0.0	0.0	7.78217	0.00279	2.89200	1.10653	1.37288	0.00354
26.9000E00	12.8260	0.0	0.0	6.19034	0.00279	2.89200	1.18377	1.32432	0.00355
27.0000E00	12.8223	0.0	0.0	5.48970	0.00279	2.89200	1.39065	1.20971	0.00356
27.1000E00	12.8186	0.0	0.0	6.04238	0.00279	2.89200	2.02906	0.95475	0.00356
27.2000E00	12.8149	0.0	0.0	12.60338	0.00279	2.89200	4.64863	0.51198	0.00357

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
27.2300E00	12.8138	32.21889	10.61076	32.18928	18.82929	2.77884	0.0	0.0	21.60813
27.2600E00	12.8127	61.87598	10.05201	61.84793	47.06150	4.76247	0.0	0.0	51.82397
27.2800E00	12.8119	132.17900	9.92889	132.15100	112.77000	9.47988	0.0	0.0	122.25000
27.3000E00	12.8112	244.95800	12.83715	244.92200	215.26000	16.86041	0.0	0.0	232.12100
27.3200E00	12.8105	136.69800	14.68621	136.65700	112.61100	9.40061	0.0	0.0	122.01100
27.3400E00	12.8097	65.33612	13.88649	65.29738	46.83901	4.61062	0.0	0.0	51.44963
27.3700E00	12.8086	34.07141	13.04343	34.03502	18.51100	2.51699	0.0	0.0	21.02799
27.4000E00	12.8076	24.40744	12.60568	24.37227	9.94540	1.85637	0.0	0.0	11.80176
27.5000E00	12.8039	16.44566	11.98977	16.41220	3.20425	1.25163	0.0	0.0	4.45588
27.6000E00	12.8003	14.60600	11.71838	14.57330	1.82904	1.05858	0.0	0.0	2.88762
27.7000E00	12.7967	13.78383	11.54373	13.75162	1.29610	0.94399	0.0	0.0	2.24010
27.8000E00	12.7931	13.29237	11.41262	13.26052	1.01851	0.86124	0.0	0.0	1.87975
28.0000E00	12.7859	12.69097	11.21604	12.65968	0.73081	0.74413	0.0	0.0	1.47494
28.2000E00	12.7788	12.31082	11.06708	12.27994	0.57993	0.66381	0.0	0.0	1.24374
28.4000E00	12.7717	12.03713	10.94556	12.00659	0.48582	0.60574	0.0	0.0	1.09157
28.6000E00	12.7647	11.82630	10.84203	11.79605	0.42152	0.56275	0.0	0.0	0.98427
28.8000E00	12.7577	11.65711	10.75117	11.62711	0.37517	0.53077	0.0	0.0	0.90594
29.0000E00	12.7508	11.43161	10.54062	11.40220	0.34031	0.55068	0.0	0.0	0.89099
29.2000E00	12.7439	11.31534	10.46613	11.28614	0.31426	0.53496	0.0	0.0	0.84922
29.4000E00	12.7371	11.21706	10.39697	11.18805	0.29448	0.52562	0.0	0.0	0.82009

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
27.2300E00	12.8138	0.0	0.0	21.60813	0.00279	2.89200	6.77594	0.37192	0.00357
27.2600E00	12.8127	0.0	0.0	51.82397	0.00279	2.89200	9.88174	0.26577	0.00357
27.2800E00	12.8119	0.0	0.0	122.25000	0.00279	2.89200	11.89573	0.22426	0.00358
27.3000E00	12.8112	0.0	0.0	232.12100	0.00279	2.89200	12.76721	0.21006	0.00358
27.3200E00	12.8105	0.0	0.0	122.01100	0.00279	2.89200	11.97910	0.22282	0.00358
27.3400E00	12.8097	0.0	0.0	51.44963	0.00279	2.89200	10.15895	0.25916	0.00358
27.3700E00	12.8086	0.0	0.0	21.02799	0.00279	2.89200	7.35443	0.34616	0.00358
27.4000E00	12.8076	0.0	0.0	11.80176	0.00279	2.89200	5.35745	0.45490	0.00358
27.5000E00	12.8039	0.0	0.0	4.45588	0.00279	2.89200	2.56006	0.81234	0.00359
27.6000E00	12.8003	0.0	0.0	2.88762	0.00279	2.89200	1.72781	1.06019	0.00360
27.7000E00	12.7967	0.0	0.0	2.24010	0.00279	2.89200	1.37300	1.21871	0.00360
27.8000E00	12.7931	0.0	0.0	1.87975	0.00279	2.89200	1.18260	1.32502	0.00361
28.0000E00	12.7859	0.0	0.0	1.47494	0.00279	2.89200	0.98210	1.45906	0.00362
28.2000E00	12.7788	0.0	0.0	1.24374	0.00279	2.89200	0.87363	1.54353	0.00364
28.4000E00	12.7717	0.0	0.0	1.09157	0.00279	2.89200	0.80203	1.60486	0.00365
28.6000E00	12.7647	0.0	0.0	0.98427	0.00279	2.89200	0.74904	1.65348	0.00366
28.8000E00	12.7577	0.0	0.0	0.90594	0.00279	2.89200	0.70685	1.69435	0.00367
29.0000E00	12.7508	0.0	0.0	0.89099	0.00279	2.89200	0.61798	1.78742	0.00369
29.2000E00	12.7439	0.0	0.0	0.84922	0.00279	2.89200	0.58745	1.82178	0.00370
29.4000E00	12.7371	0.0	0.0	0.82009	0.00279	2.89200	0.56025	1.85355	0.00371

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
29.6000E00	12.7303	11.13393	10.33185	11.10511	0.27963	0.52244	0.0	0.0	0.80208
29.7000E00	12.7269	11.09753	10.30049	11.06879	0.27380	0.52324	0.0	0.0	0.79704
29.8000E00	12.7236	11.06442	10.26976	11.03577	0.26893	0.52573	0.0	0.0	0.79466
29.8300E00	12.7226	11.05512	10.26065	11.02650	0.26765	0.52682	0.0	0.0	0.79447
29.8600E00	12.7216	11.04612	10.25158	11.01752	0.26646	0.52808	0.0	0.0	0.79454
29.8800E00	12.7209	11.04029	10.24556	11.01170	0.26570	0.52902	0.0	0.0	0.79473
29.9000E00	12.7202	11.03459	10.23956	11.00602	0.26499	0.53004	0.0	0.0	0.79503
29.9200E00	12.7196	11.02902	10.23358	11.00047	0.26431	0.53113	0.0	0.0	0.79544
29.9400E00	12.7189	11.02358	10.22761	10.99505	0.26366	0.53231	0.0	0.0	0.79597
29.9700E00	12.7179	11.01568	10.21868	10.98717	0.26277	0.53423	0.0	0.0	0.79700
30.0000E00	12.7169	11.00808	10.20979	10.97960	0.26195	0.53635	0.0	0.0	0.79829
30.1000E00	12.7136	10.98504	10.18034	10.95663	0.25981	0.54489	0.0	0.0	0.80470
30.2000E00	12.7103	10.96567	10.15111	10.93735	0.25859	0.55597	0.0	0.0	0.81456
30.3000E00	12.7069	10.95033	10.12200	10.92209	0.25834	0.56999	0.0	0.0	0.82833
30.4000E00	12.7037	10.93948	10.09288	10.91132	0.25913	0.58747	0.0	0.0	0.84660
30.6000E00	12.6971	10.93420	10.03414	10.90620	0.26434	0.63572	0.0	0.0	0.90005
30.8000E00	12.6906	10.95868	9.97370	10.93085	0.27577	0.70921	0.0	0.0	0.98498
31.0000E00	12.6841	11.02989	9.90988	11.00224	0.29650	0.82352	0.0	0.0	1.12001
31.2000E00	12.6777	11.18226	9.84007	11.15481	0.33273	1.00946	0.0	0.0	1.34219
31.4000E00	12.6713	11.49278	9.75973	11.46555	0.39828	1.33477	0.0	0.0	1.73305

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
29.6000E00	12.7303	0.0	0.0	0.80208	0.00279	2.89200	0.53524	1.88375	0.00372
29.7000E00	12.7269	0.0	0.0	0.79704	0.00279	2.89200	0.52328	1.89854	0.00373
29.8000E00	12.7236	0.0	0.0	0.79466	0.00279	2.89200	0.51154	1.91328	0.00374
29.8300E00	12.7226	0.0	0.0	0.79447	0.00279	2.89200	0.50805	1.91771	0.00374
29.8600E00	12.7216	0.0	0.0	0.79454	0.00279	2.89200	0.50457	1.92214	0.00374
29.8800E00	12.7209	0.0	0.0	0.79473	0.00279	2.89200	0.50225	1.92511	0.00374
29.9000E00	12.7202	0.0	0.0	0.79503	0.00279	2.89200	0.49994	1.92808	0.00374
29.9200E00	12.7196	0.0	0.0	0.79544	0.00279	2.89200	0.49763	1.93105	0.00374
29.9400E00	12.7189	0.0	0.0	0.79597	0.00279	2.89200	0.49532	1.93403	0.00375
29.9700E00	12.7179	0.0	0.0	0.79700	0.00279	2.89200	0.49186	1.93852	0.00375
30.0000E00	12.7169	0.0	0.0	0.79829	0.00279	2.89200	0.48839	1.94304	0.00375
30.1000E00	12.7136	0.0	0.0	0.80470	0.00279	2.89200	0.47681	1.95827	0.00376
30.2000E00	12.7103	0.0	0.0	0.81456	0.00279	2.89200	0.46512	1.97390	0.00376
30.3000E00	12.7069	0.0	0.0	0.82833	0.00279	2.89200	0.45324	1.99004	0.00377
30.4000E00	12.7037	0.0	0.0	0.84660	0.00279	2.89200	0.44110	2.00680	0.00377
30.6000E00	12.6971	0.0	0.0	0.90005	0.00279	2.89200	0.41581	2.04264	0.00379
30.8000E00	12.6906	0.0	0.0	0.98498	0.00279	2.89200	0.38885	2.08230	0.00380
31.0000E00	12.6841	0.0	0.0	1.12001	0.00279	2.89200	0.36004	2.12641	0.00381
31.2000E00	12.6777	0.0	0.0	1.34219	0.00279	2.89200	0.32961	2.17507	0.00382
31.4000E00	12.6713	0.0	0.0	1.73305	0.00279	2.89200	0.29839	2.22738	0.00384

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
31.6000E00	12.6649	12.16068	9.65994	12.13373	0.52849	1.97225	0.0	0.0	2.50074
31.8000E00	12.6586	13.82936	9.52041	13.80280	0.83615	3.47280	0.0	0.0	4.30895
31.9000E00	12.6555	15.70301	9.42168	15.67672	1.17177	5.10956	0.0	0.0	6.28133
32.0000E00	12.6524	19.48584	9.28899	19.45992	1.83781	8.35904	0.0	0.0	10.19685
32.1000E00	12.6492	28.19620	9.23550	28.17043	3.31120	15.64950	0.0	0.0	18.96070
32.2000E00	12.6461	52.59700	9.15730	52.57145	7.47100	35.96870	0.0	0.0	43.43970
32.2300E00	12.6452	65.01010	9.26440	64.98425	9.56250	46.18320	0.0	0.0	55.74570
32.2600E00	12.6443	77.79240	9.51740	77.76585	11.69190	56.58310	0.0	0.0	68.27500
32.2800E00	12.6436	84.12390	9.77440	84.09663	12.72430	61.62520	0.0	0.0	74.34950
32.3000E00	12.6430	86.68040	10.07290	86.65230	13.10800	63.49950	0.0	0.0	76.60750
32.3200E00	12.6424	84.66620	10.36280	84.63729	12.71640	61.58700	0.0	0.0	74.30340
32.3400E00	12.6418	78.78710	10.59670	78.75754	11.67750	56.51290	0.0	0.0	68.19040
32.3700E00	12.6409	66.42720	10.80240	66.39706	9.54190	46.08290	0.0	0.0	55.62480
32.4000E00	12.6399	54.16820	10.86300	54.13789	7.44810	35.85710	0.0	0.0	43.30520
32.5000E00	12.6369	29.53540	10.69250	29.50557	3.29100	15.55190	0.0	0.0	18.84290
32.6000E00	12.6338	20.24030	10.49390	20.21102	1.74590	8.00050	0.0	0.0	9.74640
32.7000E00	12.6307	16.20570	10.35680	16.17680	1.08470	4.76420	0.0	0.0	5.84890
32.8000E00	12.6277	14.14990	10.26070	14.12127	0.75320	3.13600	0.0	0.0	3.88920
33.0000E00	12.6216	12.23170	10.13400	12.20343	0.45300	1.64470	0.0	0.0	2.09770
33.2000E00	12.6155	11.39110	10.04990	11.36306	0.33040	1.01080	0.0	0.0	1.34120

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
31.6000E00	12.6649	0.0	0.0	2.50074	0.00279	2.89200	0.26796	2.28083	0.00385
31.8000E00	12.6586	0.0	0.0	4.30895	0.00279	2.89200	0.24077	2.33081	0.00386
31.9000E00	12.6555	0.0	0.0	6.28133	0.00279	2.89200	0.22933	2.35250	0.00387
32.0000E00	12.6524	0.0	0.0	10.19685	0.00279	2.89200	0.21986	2.37077	0.00387
32.1000E00	12.6492	0.0	0.0	18.96070	0.00279	2.89200	0.21160	2.38858	0.00388
32.2000E00	12.6461	0.0	0.0	43.43970	0.00279	2.89200	0.20770	2.39629	0.00388
32.2300E00	12.6452	0.0	0.0	55.74570	0.00279	2.89200	0.20710	2.39748	0.00389
32.2600E00	12.6443	0.0	0.0	68.27500	0.00279	2.89200	0.20660	2.39848	0.00389
32.2800E00	12.6436	0.0	0.0	74.34950	0.00279	2.89200	0.20650	2.39867	0.00389
32.3000E00	12.6430	0.0	0.0	76.60750	0.00279	2.89200	0.20640	2.39887	0.00389
32.3200E00	12.6424	0.0	0.0	74.30340	0.00279	2.89200	0.20650	2.39867	0.00389
32.3400E00	12.6418	0.0	0.0	68.19040	0.00279	2.89200	0.20660	2.39848	0.00389
32.3700E00	12.6409	0.0	0.0	55.62480	0.00279	2.89200	0.20710	2.39748	0.00389
32.4000E00	12.6399	0.0	0.0	43.30520	0.00279	2.89200	0.20770	2.39629	0.00390
32.5000E00	12.6369	0.0	0.0	18.84290	0.00279	2.89200	0.21160	2.38858	0.00390
32.6000E00	12.6338	0.0	0.0	9.74640	0.00279	2.89200	0.21820	2.37564	0.00391
32.7000E00	12.6307	0.0	0.0	5.84890	0.00279	2.89200	0.22770	2.35725	0.00391
32.8000E00	12.6277	0.0	0.0	3.88920	0.00279	2.89200	0.24020	2.33350	0.00392
33.0000E00	12.6216	0.0	0.0	2.09770	0.00279	2.89200	0.27540	2.26909	0.00393
33.2000E00	12.6155	0.0	0.0	1.34120	0.00279	2.89200	0.32690	2.18102	0.00394

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
33.4000E00	12.6095	10.94540	9.98540	10.91754	0.27390	0.68610	0.0	0.0	0.96000
33.6000E00	12.6036	10.67840	9.93020	10.65069	0.24910	0.49910	0.0	0.0	0.74820
33.8000E00	12.5976	10.10670	9.45960	10.08031	0.26180	0.38530	0.0	0.0	0.64710
34.0000E00	12.5917	9.98410	9.40040	9.95787	0.27460	0.30910	0.0	0.0	0.58370
34.2000E00	12.5859	9.90210	9.33620	9.87605	0.30760	0.25830	0.0	0.0	0.56590
34.4000E00	12.5800	9.86050	9.26090	9.83466	0.37370	0.22590	0.0	0.0	0.59960
34.6000E00	12.5742	9.88410	9.16330	9.85853	0.50990	0.21090	0.0	0.0	0.72080
34.8000E00	12.5685	10.08250	9.01580	10.05735	0.84310	0.22360	0.0	0.0	1.06670
34.9000E00	12.5656	10.37980	8.90070	10.35497	1.22440	0.25470	0.0	0.0	1.47910
35.0000E00	12.5627	11.09980	8.72280	11.07546	2.04370	0.33330	0.0	0.0	2.37700
35.1000E00	12.5599	13.32730	8.39630	13.30387	4.35970	0.57130	0.0	0.0	4.93100
35.2000E00	12.5570	25.75560	7.56710	25.73449	16.35330	1.83520	0.0	0.0	18.18850
35.2300E00	12.5562	42.19590	7.02410	42.17630	31.71120	3.46060	0.0	0.0	35.17180
35.2600E00	12.5553	97.11250	6.32070	97.09487	82.00470	8.78710	0.0	0.0	90.79180
35.2800E00	12.5548	222.76000	6.92230	222.74000	195.07300	20.76470	0.0	0.0	215.83700
35.3000E00	12.5542	413.64900	13.72610	413.61100	361.52500	38.39810	0.0	0.0	399.92300
35.3200E00	12.5536	232.19900	16.48560	232.15300	194.96200	20.75080	0.0	0.0	215.71300
35.3400E00	12.5531	105.02800	14.34100	104.98800	81.91400	8.77310	0.0	0.0	90.68710
35.3700E00	12.5522	47.51590	12.41640	47.48126	31.65280	3.44670	0.0	0.0	35.09950
35.4000E00	12.5514	29.63170	11.50040	29.59961	16.31150	1.81980	0.0	0.0	18.13130

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
33.4000E00	12.6095	0.0	0.0	0.96000	0.00279	2.89200	0.39920	2.06833	0.00396
33.6000E00	12.6036	0.0	0.0	0.74820	0.00279	2.89200	0.49920	1.93036	0.00397
33.8000E00	12.5976	0.0	0.0	0.64710	0.00279	2.89200	0.67940	1.72324	0.00398
34.0000E00	12.5917	0.0	0.0	0.58370	0.00279	2.89200	0.88820	1.53268	0.00399
34.2000E00	12.5859	0.0	0.0	0.56590	0.00279	2.89200	1.19070	1.32104	0.00400
34.4000E00	12.5800	0.0	0.0	0.59960	0.00279	2.89200	1.65430	1.09031	0.00401
34.6000E00	12.5742	0.0	0.0	0.72080	0.00279	2.89200	2.41820	0.84664	0.00403
34.8000E00	12.5685	0.0	0.0	1.06670	0.00279	2.89200	3.77000	0.60671	0.00404
34.9000E00	12.5656	0.0	0.0	1.47910	0.00279	2.89200	4.80670	0.49839	0.00404
35.0000E00	12.5627	0.0	0.0	2.37700	0.00279	2.89200	6.13210	0.40577	0.00405
35.1000E00	12.5599	0.0	0.0	4.93100	0.00279	2.89200	7.63110	0.33530	0.00406
35.2000E00	12.5570	0.0	0.0	18.18850	0.00279	2.89200	8.90990	0.29203	0.00406
35.2300E00	12.5562	0.0	0.0	35.17180	0.00279	2.89200	9.16340	0.28475	0.00406
35.2600E00	12.5553	0.0	0.0	90.79180	0.00279	2.89200	9.33240	0.28009	0.00406
35.2800E00	12.5548	0.0	0.0	215.83700	0.00279	2.89200	9.39440	0.27842	0.00407
35.3000E00	12.5542	0.0	0.0	399.92300	0.00279	2.89200	9.41520	0.27786	0.00407
35.3200E00	12.5536	0.0	0.0	215.71300	0.00279	2.89200	9.39540	0.27839	0.00407
35.3400E00	12.5531	0.0	0.0	90.68710	0.00279	2.89200	9.33700	0.27997	0.00407
35.3700E00	12.5522	0.0	0.0	35.09950	0.00279	2.89200	9.18360	0.28418	0.00407
35.4000E00	12.5514	0.0	0.0	18.13130	0.00279	2.89200	8.96310	0.29047	0.00407

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
35.5000E00	12.5486	15.27530	10.37960	15.24634	4.34800	0.54770	0.0	0.0	4.89570
35.6000E00	12.5457	12.34100	9.99570	12.31311	2.04580	0.29950	0.0	0.0	2.34530
35.7000E00	12.5429	11.24270	9.79640	11.21537	1.23640	0.20990	0.0	0.0	1.44630
35.8000E00	12.5401	10.70030	9.66990	10.67332	0.86340	0.16700	0.0	0.0	1.03040
36.0000E00	12.5346	10.18060	9.50880	10.15407	0.54450	0.12730	0.0	0.0	0.67180
36.2000E00	12.5290	9.93100	9.40070	9.90477	0.42090	0.10940	0.0	0.0	0.53030
36.4000E00	12.5235	9.78060	9.31500	9.75461	0.36590	0.09970	0.0	0.0	0.46560
36.6000E00	12.5180	9.67610	9.24000	9.65032	0.34200	0.09410	0.0	0.0	0.43610
36.8000E00	12.5126	9.59610	9.17010	9.57052	0.33500	0.09100	0.0	0.0	0.42600
37.0000E00	12.5072	9.53050	9.10200	9.50511	0.33880	0.08970	0.0	0.0	0.42850
37.5000E00	12.4938	9.40070	8.92730	9.37579	0.38090	0.09250	0.0	0.0	0.47340
38.0000E00	12.4805	9.29820	8.72930	9.27385	0.46520	0.10370	0.0	0.0	0.56890
38.5000E00	12.4674	9.16800	8.35280	9.14470	0.61460	0.20060	0.0	0.0	0.81520
39.0000E00	12.4545	9.14130	8.03210	9.11889	0.85900	0.25020	0.0	0.0	1.10920
39.2000E00	12.4494	9.15790	7.87230	9.13594	1.00610	0.27950	0.0	0.0	1.28560
39.4000E00	12.4443	9.20320	7.68710	9.18175	1.19880	0.31730	0.0	0.0	1.51610
39.6000E00	12.4393	9.29470	7.46920	9.27386	1.45800	0.36750	0.0	0.0	1.82550
39.8000E00	12.4342	9.46250	7.20760	9.44239	1.81850	0.43640	0.0	0.0	2.25490
40.0000E00	12.4292	9.76290	6.88620	9.74369	2.34160	0.53510	0.0	0.0	2.87670
40.2000E00	12.4242	10.30760	6.48000	10.28952	3.14310	0.68450	0.0	0.0	3.82760

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
35.5000E00	12.5486	0.0	0.0	4.89570	0.00279	2.89200	7.93900	0.32375	0.00408
35.6000E00	12.5457	0.0	0.0	2.34530	0.00279	2.89200	6.83020	0.36959	0.00408
35.7000E00	12.5429	0.0	0.0	1.44630	0.00279	2.89200	5.88920	0.42008	0.00409
35.8000E00	12.5401	0.0	0.0	1.03040	0.00279	2.89200	5.17090	0.46898	0.00410
36.0000E00	12.5346	0.0	0.0	0.67180	0.00279	2.89200	4.27860	0.54825	0.00411
36.2000E00	12.5290	0.0	0.0	0.53030	0.00279	2.89200	3.84850	0.59689	0.00412
36.4000E00	12.5235	0.0	0.0	0.46560	0.00279	2.89200	3.67110	0.61955	0.00413
36.6000E00	12.5180	0.0	0.0	0.43610	0.00279	2.89200	3.63540	0.62433	0.00414
36.8000E00	12.5126	0.0	0.0	0.42600	0.00279	2.89200	3.68230	0.61807	0.00415
37.0000E00	12.5072	0.0	0.0	0.42850	0.00279	2.89200	3.77820	0.60567	0.00416
37.5000E00	12.4938	0.0	0.0	0.47340	0.00279	2.89200	4.11780	0.56548	0.00419
38.0000E00	12.4805	0.0	0.0	0.56890	0.00279	2.89200	4.48800	0.52733	0.00422
38.5000E00	12.4674	0.0	0.0	0.81520	0.00279	2.89200	3.06380	0.71214	0.00425
39.0000E00	12.4545	0.0	0.0	1.10920	0.00279	2.89200	3.43340	0.65277	0.00427
39.2000E00	12.4494	0.0	0.0	1.28560	0.00279	2.89200	3.60000	0.62913	0.00429
39.4000E00	12.4443	0.0	0.0	1.51610	0.00279	2.89200	3.77780	0.60572	0.00430
39.6000E00	12.4393	0.0	0.0	1.82550	0.00279	2.89200	3.96700	0.58265	0.00431
39.8000E00	12.4342	0.0	0.0	2.25490	0.00279	2.89200	4.16690	0.56010	0.00432
40.0000E00	12.4292	0.0	0.0	2.87670	0.00279	2.89200	4.37630	0.53829	0.00433
40.2000E00	12.4242	0.0	0.0	3.82760	0.00279	2.89200	4.59210	0.51752	0.00434

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
40.4000E00	12.4193	11.34100	5.94730	11.32441	4.46530	0.92840	0.0	0.0	5.39370
40.6000E00	12.4143	13.47310	5.21580	13.45855	6.88590	1.37140	0.0	0.0	8.25730
40.8000E00	12.4094	18.55370	4.15330	18.54211	12.08360	2.31680	0.0	0.0	14.40040
40.9000E00	12.4070	23.97350	3.43210	23.96392	17.28180	3.25960	0.0	0.0	20.54140
41.0000E00	12.4045	34.32720	2.55400	34.32007	26.79150	4.98170	0.0	0.0	31.77320
41.1000E00	12.4021	57.37910	1.61410	57.37460	47.10770	8.65730	0.0	0.0	55.76500
41.2000E00	12.3997	124.07400	1.61930	124.06900	103.58600	18.86900	0.0	0.0	122.45500
41.3000E00	12.3972	456.70600	14.76490	456.66400	374.16300	67.77780	0.0	0.0	441.94100
41.3300E00	12.3965	833.68100	37.01100	833.57700	674.59100	122.07900	0.0	0.0	796.67000
41.3600E00	12.3958	1763.69700	104.08700	1763.40700	1405.43500	254.17500	0.0	0.0	1659.61000
41.3800E00	12.3953	2945.72000	206.37200	2945.14400	2319.89100	419.45800	0.0	0.0	2739.34900
41.4000E00	12.3948	3810.41300	312.60400	3809.54000	2962.24900	535.56000	0.0	0.0	3497.80900
41.4200E00	12.3943	3025.02900	286.99500	3024.22800	2318.77600	419.25800	0.0	0.0	2738.03400
41.4400E00	12.3938	1859.74900	201.73000	1859.18700	1404.08500	253.93500	0.0	0.0	1658.01900
41.4700E00	12.3931	914.30700	118.95600	913.97500	673.46900	121.88200	0.0	0.0	795.35100
41.5000E00	12.3924	520.53400	79.61820	520.31200	373.28800	67.62800	0.0	0.0	440.91600
41.6000E00	12.3900	159.26300	37.31450	159.15900	103.14300	18.80560	0.0	0.0	121.94900
41.7000E00	12.3876	81.23470	25.74550	81.16287	46.85300	8.63620	0.0	0.0	55.48920
41.8000E00	12.3852	52.27340	20.63450	52.21583	26.64940	4.98950	0.0	0.0	31.63890
41.9000E00	12.3828	38.30470	17.79300	38.25506	17.22120	3.29050	0.0	0.0	20.51170

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
40.4000E00	12.4193	0.0	0.0	5.39370	0.00279	2.89200	4.80970	0.49813	0.00435
40.6000E00	12.4143	0.0	0.0	8.25730	0.00279	2.89200	5.02120	0.48064	0.00436
40.8000E00	12.4094	0.0	0.0	14.40040	0.00279	2.89200	5.21560	0.46560	0.00437
40.9000E00	12.4070	0.0	0.0	20.54140	0.00279	2.89200	5.30190	0.45923	0.00438
41.0000E00	12.4045	0.0	0.0	31.77320	0.00279	2.89200	5.37790	0.45375	0.00438
41.1000E00	12.4021	0.0	0.0	55.76500	0.00279	2.89200	5.44140	0.44928	0.00439
41.2000E00	12.3997	0.0	0.0	122.45500	0.00279	2.89200	5.48970	0.44594	0.00439
41.3000E00	12.3972	0.0	0.0	441.94100	0.00279	2.89200	5.52040	0.44384	0.00440
41.3300E00	12.3965	0.0	0.0	796.67000	0.00279	2.89200	5.52580	0.44347	0.00440
41.3600E00	12.3958	0.0	0.0	1659.61000	0.00279	2.89200	5.52940	0.44323	0.00440
41.3800E00	12.3953	0.0	0.0	2739.34900	0.00279	2.89200	5.53070	0.44314	0.00440
41.4000E00	12.3948	0.0	0.0	3497.80900	0.00279	2.89200	5.53110	0.44311	0.00440
41.4200E00	12.3943	0.0	0.0	2738.03400	0.00279	2.89200	5.53070	0.44314	0.00441
41.4400E00	12.3938	0.0	0.0	1658.01900	0.00279	2.89200	5.52930	0.44323	0.00441
41.4700E00	12.3931	0.0	0.0	795.35100	0.00279	2.89200	5.52560	0.44348	0.00441
41.5000E00	12.3924	0.0	0.0	440.91600	0.00279	2.89200	5.51970	0.44389	0.00441
41.6000E00	12.3900	0.0	0.0	121.94900	0.00279	2.89200	5.48470	0.44628	0.00442
41.7000E00	12.3876	0.0	0.0	55.48920	0.00279	2.89200	5.42520	0.45041	0.00442
41.8000E00	12.3852	0.0	0.0	31.63890	0.00279	2.89200	5.34110	0.45639	0.00443
41.9000E00	12.3828	0.0	0.0	20.51170	0.00279	2.89200	5.23360	0.46426	0.00443

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
42.0000E00	12.3804	30.44450	15.98610	30.39990	12.08990	2.36850	0.0	0.0	14.45840
42.2000E00	12.3757	22.26960	13.79940	22.23110	7.00860	1.46160	0.0	0.0	8.47020
42.4000E00	12.3709	18.24780	12.48810	18.21296	4.70240	1.05730	0.0	0.0	5.75970
42.6000E00	12.3662	15.93780	11.57310	15.90551	3.50930	0.85540	0.0	0.0	4.36470
42.8000E00	12.3616	14.48060	10.85890	14.45030	2.86750	0.75420	0.0	0.0	3.62170
43.0000E00	12.3569	13.20890	9.87530	13.18135	2.59460	0.73900	0.0	0.0	3.33360
43.2000E00	12.3523	12.59150	9.30200	12.56555	2.54250	0.74700	0.0	0.0	3.28950
43.4000E00	12.3476	12.30350	8.74000	12.27912	2.76100	0.80250	0.0	0.0	3.56350
43.6000E00	12.3430	12.48510	8.17600	12.46229	3.38370	0.92540	0.0	0.0	4.30910
43.8000E00	12.3385	13.66800	7.66160	13.64662	4.82740	1.17900	0.0	0.0	6.00640
44.0000E00	12.3339	17.90860	7.58060	17.88745	8.54440	1.78360	0.0	0.0	10.32800
44.1000E00	12.3316	23.62150	8.28800	23.59838	12.87150	2.46200	0.0	0.0	15.33350
44.2000E00	12.3294	37.11050	10.98520	37.07985	22.22330	3.90200	0.0	0.0	26.12530
44.3000E00	12.3271	78.45330	21.85000	78.39234	48.67510	7.92820	0.0	0.0	56.60330
44.4000E00	12.3249	306.47500	94.29090	306.21200	183.80800	28.37660	0.0	0.0	212.18500
44.4300E00	12.3242	600.77700	194.94700	600.23300	352.02900	53.80170	0.0	0.0	405.83000
44.4600E00	12.3235	1522.80200	524.11400	1521.34000	867.06500	131.62400	0.0	0.0	998.68900
44.4800E00	12.3231	3332.55600	1195.01400	3329.22200	1856.43800	281.10400	0.0	0.0	2137.54200
44.5000E00	12.3226	5510.11100	2059.75100	5504.36400	2996.94100	453.41800	0.0	0.0	3450.36000
44.5200E00	12.3222	3500.71700	1364.12900	3496.91100	1855.59500	280.99200	0.0	0.0	2136.58700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
42.0000E00	12.3804	0.0	0.0	14.45840	0.00279	2.89200	5.10450	0.47408	0.00444
42.2000E00	12.3757	0.0	0.0	8.47020	0.00279	2.89200	4.79530	0.49937	0.00445
42.4000E00	12.3709	0.0	0.0	5.75970	0.00279	2.89200	4.44740	0.53126	0.00446
42.6000E00	12.3662	0.0	0.0	4.36470	0.00279	2.89200	4.10240	0.56718	0.00447
42.8000E00	12.3616	0.0	0.0	3.62170	0.00279	2.89200	3.80210	0.60265	0.00448
43.0000E00	12.3569	0.0	0.0	3.33360	0.00279	2.89200	3.51090	0.64156	0.00449
43.2000E00	12.3523	0.0	0.0	3.28950	0.00279	2.89200	3.40310	0.65726	0.00450
43.4000E00	12.3476	0.0	0.0	3.56350	0.00279	2.89200	3.44070	0.65170	0.00451
43.6000E00	12.3430	0.0	0.0	4.30910	0.00279	2.89200	3.65660	0.62148	0.00452
43.8000E00	12.3385	0.0	0.0	6.00640	0.00279	2.89200	4.09450	0.56806	0.00453
44.0000E00	12.3339	0.0	0.0	10.32800	0.00279	2.89200	4.79050	0.49978	0.00454
44.1000E00	12.3316	0.0	0.0	15.33350	0.00279	2.89200	5.22800	0.46468	0.00455
44.2000E00	12.3294	0.0	0.0	26.12530	0.00279	2.89200	5.69530	0.43224	0.00455
44.3000E00	12.3271	0.0	0.0	56.60330	0.00279	2.89200	6.13950	0.40535	0.00456
44.4000E00	12.3249	0.0	0.0	212.18500	0.00279	2.89200	6.47740	0.38703	0.00456
44.4300E00	12.3242	0.0	0.0	405.83000	0.00279	2.89200	6.54310	0.38366	0.00456
44.4600E00	12.3235	0.0	0.0	998.68900	0.00279	2.89200	6.58750	0.38142	0.00456
44.4800E00	12.3231	0.0	0.0	2137.54200	0.00279	2.89200	6.60410	0.38058	0.00457
44.5000E00	12.3226	0.0	0.0	3450.36000	0.00279	2.89200	6.60970	0.38030	0.00457
44.5200E00	12.3222	0.0	0.0	2136.58700	0.00279	2.89200	6.60370	0.38060	0.00457

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
44.5400E00	12.3217	1679.77300	681.97000	1677.87000	866.27000	131.53400	0.0	0.0	997.80300
44.5700E00	12.3210	712.11600	306.90400	711.26000	351.44500	53.76670	0.0	0.0	405.21200
44.6000E00	12.3204	389.32400	177.58500	388.82800	183.35400	28.38400	0.0	0.0	211.73800
44.7000E00	12.3181	121.72800	65.31840	121.54600	48.37420	8.03540	0.0	0.0	56.40960
44.8000E00	12.3159	66.06330	40.02270	65.95164	21.94870	4.09190	0.0	0.0	26.04060
44.9000E00	12.3137	45.23870	29.92000	45.15522	12.58680	2.73190	0.0	0.0	15.31870
45.0000E00	12.3114	35.05470	24.68690	34.98582	8.23290	2.13490	0.0	0.0	10.36780
45.2000E00	12.3070	25.59130	19.45270	25.53703	4.43310	1.70550	0.0	0.0	6.13860
45.4000E00	12.3026	21.39360	16.86410	21.34655	2.87420	1.65530	0.0	0.0	4.52950
45.6000E00	12.2982	19.19030	15.31090	19.14758	2.09890	1.78050	0.0	0.0	3.87940
45.8000E00	12.2938	17.97320	14.25650	17.93342	1.67470	2.04200	0.0	0.0	3.71670
46.0000E00	12.2895	17.37140	13.47280	17.33381	1.44030	2.45830	0.0	0.0	3.89860
46.2000E00	12.2851	16.53460	11.99570	16.50113	1.42580	3.11310	0.0	0.0	4.53890
46.4000E00	12.2808	16.96330	11.42880	16.93141	1.42760	4.10690	0.0	0.0	5.53450
46.6000E00	12.2765	18.19560	10.89890	18.16519	1.55220	5.74450	0.0	0.0	7.29670
46.8000E00	12.2722	20.92560	10.36100	20.89669	1.87370	8.69090	0.0	0.0	10.56460
47.0000E00	12.2679	27.12200	9.76070	27.09477	2.61670	14.74460	0.0	0.0	17.36130
47.1000E00	12.2658	33.19030	9.41600	33.16403	3.33780	20.43650	0.0	0.0	23.77430
47.2000E00	12.2637	43.60090	9.03500	43.57569	4.56160	30.00430	0.0	0.0	34.56590
47.3000E00	12.2616	62.85270	8.64710	62.82857	6.79700	47.40860	0.0	0.0	54.20560

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
44.5400E00	12.3217	0.0	0.0	997.80300	0.00279	2.89200	6.58590	0.38150	0.00457
44.5700E00	12.3210	0.0	0.0	405.21200	0.00279	2.89200	6.53650	0.38400	0.00457
44.6000E00	12.3204	0.0	0.0	211.73800	0.00279	2.89200	6.45980	0.38795	0.00457
44.7000E00	12.3181	0.0	0.0	56.40960	0.00279	2.89200	6.02010	0.41225	0.00458
44.8000E00	12.3159	0.0	0.0	26.04060	0.00279	2.89200	5.36390	0.45475	0.00458
44.9000E00	12.3137	0.0	0.0	15.31870	0.00279	2.89200	4.60730	0.51611	0.00459
45.0000E00	12.3114	0.0	0.0	10.36780	0.00279	2.89200	3.85640	0.59591	0.00459
45.2000E00	12.3070	0.0	0.0	6.13860	0.00279	2.89200	2.59930	0.80405	0.00460
45.4000E00	12.3026	0.0	0.0	4.52950	0.00279	2.89200	1.73640	1.05759	0.00461
45.6000E00	12.2982	0.0	0.0	3.87940	0.00279	2.89200	1.17880	1.32825	0.00462
45.8000E00	12.2938	0.0	0.0	3.71670	0.00279	2.89200	0.82010	1.59002	0.00463
46.0000E00	12.2895	0.0	0.0	3.89860	0.00279	2.89200	0.58590	1.82483	0.00464
46.2000E00	12.2851	0.0	0.0	4.53890	0.00279	2.89200	0.45800	1.98491	0.00465
46.4000E00	12.2808	0.0	0.0	5.53450	0.00279	2.89200	0.34760	2.14752	0.00466
46.6000E00	12.2765	0.0	0.0	7.29670	0.00279	2.89200	0.27020	2.27838	0.00467
46.8000E00	12.2722	0.0	0.0	10.56460	0.00279	2.89200	0.21560	2.38072	0.00468
47.0000E00	12.2679	0.0	0.0	17.36130	0.00279	2.89200	0.17750	2.45775	0.00469
47.1000E00	12.2658	0.0	0.0	23.77430	0.00279	2.89200	0.16330	2.48775	0.00470
47.2000E00	12.2637	0.0	0.0	34.56590	0.00279	2.89200	0.15200	2.51215	0.00470
47.3000E00	12.2616	0.0	0.0	54.20560	0.00279	2.89200	0.14340	2.53105	0.00471

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
47.4000E00	12.2595	100.93300	8.44140	100.90900	11.16030	81.33090	0.0	0.0	92.49120
47.5000E00	12.2574	171.35700	9.21970	171.33100	19.10000	143.03700	0.0	0.0	162.13700
47.5300E00	12.2567	195.98500	9.88410	195.95700	21.83230	164.26800	0.0	0.0	186.10000
47.5600E00	12.2561	216.57500	10.77620	216.54500	24.07910	181.72000	0.0	0.0	205.79900
47.5800E00	12.2557	225.48400	11.45490	225.45200	25.01870	189.01100	0.0	0.0	214.03000
47.6000E00	12.2553	229.04200	12.14470	229.00800	25.34750	191.55000	0.0	0.0	216.89700
47.6200E00	12.2548	226.74200	12.78830	226.70700	25.01460	188.93900	0.0	0.0	213.95400
47.6400E00	12.2544	218.99100	13.33560	218.95300	24.07160	181.58300	0.0	0.0	205.65500
47.6700E00	12.2538	199.79100	13.91400	199.75200	21.82240	164.05500	0.0	0.0	185.87700
47.7000E00	12.2532	176.06600	14.19720	176.02600	19.09170	142.77700	0.0	0.0	161.86900
47.8000E00	12.2511	106.11800	13.86930	106.07900	11.17780	81.07040	0.0	0.0	92.24820
47.9000E00	12.2490	67.14330	13.05720	67.10687	6.85260	47.23350	0.0	0.0	54.08610
48.0000E00	12.2469	46.93890	12.35970	46.90442	4.65830	29.92090	0.0	0.0	34.57920
48.1000E00	12.2448	35.72730	11.81000	35.69435	3.47800	20.43930	0.0	0.0	23.91730
48.2000E00	12.2427	29.00070	11.36650	28.96899	2.80410	14.83010	0.0	0.0	17.63420
48.4000E00	12.2386	21.78710	10.66510	21.75734	2.17520	8.94680	0.0	0.0	11.12200
48.6000E00	12.2345	18.30020	10.08170	18.27207	2.01360	6.20490	0.0	0.0	8.21850
48.8000E00	12.2304	17.56580	10.89720	17.53540	1.87010	4.79850	0.0	0.0	6.66860
49.0000E00	12.2263	15.21670	8.44040	15.19315	2.48690	4.28940	0.0	0.0	6.77630
49.2000E00	12.2222	15.61580	7.76110	15.59415	3.40330	4.45140	0.0	0.0	7.85470

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
47.4000E00	12.2595	0.0	0.0	92.49120	0.00279	2.89200	0.13720	2.54485	0.00471
47.5000E00	12.2574	0.0	0.0	162.13700	0.00279	2.89200	0.13350	2.55316	0.00472
47.5300E00	12.2567	0.0	0.0	186.10000	0.00279	2.89200	0.13290	2.55451	0.00472
47.5600E00	12.2561	0.0	0.0	205.79900	0.00279	2.89200	0.13250	2.55541	0.00472
47.5800E00	12.2557	0.0	0.0	214.03000	0.00279	2.89200	0.13240	2.55564	0.00472
47.6000E00	12.2553	0.0	0.0	216.89700	0.00279	2.89200	0.13230	2.55586	0.00472
47.6200E00	12.2548	0.0	0.0	213.95400	0.00279	2.89200	0.13240	2.55564	0.00472
47.6400E00	12.2544	0.0	0.0	205.65500	0.00279	2.89200	0.13260	2.55518	0.00472
47.6700E00	12.2538	0.0	0.0	185.87700	0.00279	2.89200	0.13300	2.55428	0.00473
47.7000E00	12.2532	0.0	0.0	161.86900	0.00279	2.89200	0.13370	2.55270	0.00473
47.8000E00	12.2511	0.0	0.0	92.24820	0.00279	2.89200	0.13790	2.54328	0.00473
47.9000E00	12.2490	0.0	0.0	54.08610	0.00279	2.89200	0.14510	2.52729	0.00474
48.0000E00	12.2469	0.0	0.0	34.57920	0.00279	2.89200	0.15570	2.50411	0.00474
48.1000E00	12.2448	0.0	0.0	23.91730	0.00279	2.89200	0.17020	2.47308	0.00475
48.2000E00	12.2427	0.0	0.0	17.63420	0.00279	2.89200	0.18910	2.43377	0.00475
48.4000E00	12.2386	0.0	0.0	11.12200	0.00279	2.89200	0.24310	2.32805	0.00476
48.6000E00	12.2345	0.0	0.0	8.21850	0.00279	2.89200	0.32450	2.18498	0.00477
48.8000E00	12.2304	0.0	0.0	6.66860	0.00279	2.89200	0.38970	2.08246	0.00478
49.0000E00	12.2263	0.0	0.0	6.77630	0.00279	2.89200	0.57980	1.83188	0.00479
49.2000E00	12.2222	0.0	0.0	7.85470	0.00279	2.89200	0.76450	1.64013	0.00480

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
49.4000E00	12.2181	18.09630	6.87930	18.07711	5.47400	5.74300	0.0	0.0	11.21700
49.5000E00	12.2161	21.19380	6.31750	21.17617	7.56860	7.30770	0.0	0.0	14.87630
49.6000E00	12.2141	27.40400	5.65700	27.38022	11.40970	10.33730	0.0	0.0	21.74700
49.7000E00	12.2121	41.58250	4.97120	41.56863	19.61740	16.99390	0.0	0.0	36.61130
49.8000E00	12.2101	83.10720	4.97890	83.09331	42.40730	35.72100	0.0	0.0	78.12830
49.9000E00	12.2081	290.72000	14.17200	290.68100	151.07800	125.47100	0.0	0.0	276.54800
49.9300E00	12.2075	524.73800	29.51200	524.65500	270.79500	224.43100	0.0	0.0	495.22600
49.9600E00	12.2069	1094.84000	74.98270	1094.63000	557.98600	461.87100	0.0	0.0	1019.85700
49.9800E00	12.2065	1804.68800	142.73500	1804.29000	909.46900	752.48400	0.0	0.0	1661.95400
50.0000E00	12.2061	2315.56300	211.79600	2314.97200	1151.32100	952.44500	0.0	0.0	2103.76600
50.0200E00	12.2057	1857.07800	195.80400	1856.53100	909.11800	752.15500	0.0	0.0	1661.27300
50.0400E00	12.2053	1159.03400	140.02400	1158.64300	557.56400	461.44600	0.0	0.0	1019.01000
50.0700E00	12.2047	579.06000	84.58370	578.82400	270.45900	224.01800	0.0	0.0	494.47700
50.1000E00	12.2041	333.78500	57.86760	333.62300	150.83800	125.07900	0.0	0.0	275.91700
50.2000E00	12.2021	106.55100	28.89400	106.47000	42.36270	35.29420	0.0	0.0	77.65690
50.3000E00	12.2001	57.04210	20.89350	56.98381	19.68970	16.45890	0.0	0.0	36.14860
50.4000E00	12.1981	38.55160	17.31150	38.50330	11.57680	9.66330	0.0	0.0	21.24010
50.5000E00	12.1961	29.57570	15.27920	29.53307	7.82450	6.47200	0.0	0.0	14.29650
50.6000E00	12.1941	24.49130	13.94960	24.45238	5.81940	4.72230	0.0	0.0	10.54170
50.8000E00	12.1902	19.16490	12.24630	19.13073	3.94660	2.97200	0.0	0.0	6.91860

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
49.4000E00	12.2181	0.0	0.0	11.21700	0.00279	2.89200	0.95320	1.48167	0.00481
49.5000E00	12.2161	0.0	0.0	14.87630	0.00279	2.89200	1.03570	1.42162	0.00482
49.6000E00	12.2141	0.0	0.0	21.74700	0.00279	2.89200	1.10370	1.37567	0.00482
49.7000E00	12.2121	0.0	0.0	36.61130	0.00279	2.89200	1.15440	1.34330	0.00483
49.8000E00	12.2101	0.0	0.0	78.12830	0.00279	2.89200	1.18720	1.32315	0.00483
49.9000E00	12.2081	0.0	0.0	276.54800	0.00279	2.89200	1.20410	1.31301	0.00484
49.9300E00	12.2075	0.0	0.0	495.22600	0.00279	2.89200	1.20660	1.31152	0.00484
49.9600E00	12.2069	0.0	0.0	1019.85700	0.00279	2.89200	1.20810	1.31063	0.00484
49.9800E00	12.2065	0.0	0.0	1661.95400	0.00279	2.89200	1.20860	1.31033	0.00484
50.0000E00	12.2061	0.0	0.0	2103.76600	0.00279	2.89200	1.20880	1.31021	0.00484
50.0200E00	12.2057	0.0	0.0	1661.27300	0.00279	2.89200	1.20870	1.31027	0.00484
50.0400E00	12.2053	0.0	0.0	1019.01000	0.00279	2.89200	1.20830	1.31051	0.00484
50.0700E00	12.2047	0.0	0.0	494.47700	0.00279	2.89200	1.20730	1.31110	0.00484
50.1000E00	12.2041	0.0	0.0	275.91700	0.00279	2.89200	1.20590	1.31194	0.00485
50.2000E00	12.2021	0.0	0.0	77.65690	0.00279	2.89200	1.20030	1.31528	0.00485
50.3000E00	12.2001	0.0	0.0	36.14860	0.00279	2.89200	1.19630	1.31767	0.00485
50.4000E00	12.1981	0.0	0.0	21.24010	0.00279	2.89200	1.19800	1.31665	0.00486
50.5000E00	12.1961	0.0	0.0	14.29650	0.00279	2.89200	1.20900	1.31010	0.00486
50.6000E00	12.1941	0.0	0.0	10.54170	0.00279	2.89200	1.23230	1.29642	0.00487
50.8000E00	12.1902	0.0	0.0	6.91860	0.00279	2.89200	1.32790	1.24318	0.00488

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
51.0000E00	12.1863	16.55520	11.10440	16.52422	3.27750	2.17330	0.0	0.0	5.45080
51.2000E00	12.1824	15.14490	10.17950	15.11650	3.18950	1.77590	0.0	0.0	4.96540
51.4000E00	12.1785	13.75340	8.64120	13.72929	3.51250	1.59970	0.0	0.0	5.11220
51.6000E00	12.1746	13.79960	7.74710	13.77799	4.43690	1.61560	0.0	0.0	6.05250
51.8000E00	12.1707	14.95820	6.70530	14.93949	6.37670	1.87620	0.0	0.0	8.25290
52.0000E00	12.1669	18.82960	5.41910	18.81448	10.76470	2.64580	0.0	0.0	13.41050
52.1000E00	12.1649	23.40410	4.69170	23.39101	15.22900	3.48340	0.0	0.0	18.71240
52.2000E00	12.1630	32.56400	4.04060	32.55273	23.46030	5.06310	0.0	0.0	28.52340
52.3000E00	12.1611	53.74280	4.05870	53.73148	41.17890	8.50520	0.0	0.0	49.68410
52.4000E00	12.1592	117.38300	8.04370	117.36000	91.08280	18.25630	0.0	0.0	109.33900
52.5000E00	12.1573	458.55800	48.53630	458.42300	342.52500	67.49710	0.0	0.0	410.02200
52.5300E00	12.1567	885.27700	110.17200	884.96900	647.80200	127.30300	0.0	0.0	775.10500
52.5600E00	12.1561	2146.12400	312.81600	2145.25100	1532.64500	300.66300	0.0	0.0	1833.30700
52.5800E00	12.1558	4345.16300	700.61600	4343.20800	3047.15200	597.39400	0.0	0.0	3644.54600
52.6000E00	12.1554	6608.29600	1173.49600	6605.02200	4544.11200	890.68800	0.0	0.0	5434.80000
52.6200E00	12.1550	4523.60000	880.45700	4521.14300	3045.98500	597.15800	0.0	0.0	3643.14300
52.6400E00	12.1546	2325.53600	493.65800	2324.15900	1531.46300	300.41500	0.0	0.0	1831.87800
52.6700E00	12.1540	1017.84000	243.82600	1017.16000	646.91400	127.10000	0.0	0.0	774.01400
52.7000E00	12.1535	558.53200	149.37900	558.11500	341.83400	67.32010	0.0	0.0	409.15400
52.8000E00	12.1516	269.65400	61.34730	269.48300	173.65600	34.65020	0.0	0.0	208.30700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
51.0000E00	12.1863	0.0	0.0	5.45080	0.00279	2.89200	1.50800	1.15391	0.00489
51.2000E00	12.1824	0.0	0.0	4.96540	0.00279	2.89200	1.79600	1.03505	0.00490
51.4000E00	12.1785	0.0	0.0	5.11220	0.00279	2.89200	2.19580	0.90556	0.00491
51.6000E00	12.1746	0.0	0.0	6.05250	0.00279	2.89200	2.74630	0.77250	0.00492
51.8000E00	12.1707	0.0	0.0	8.25290	0.00279	2.89200	3.39880	0.65791	0.00493
52.0000E00	12.1669	0.0	0.0	13.41050	0.00279	2.89200	4.06860	0.57097	0.00494
52.1000E00	12.1649	0.0	0.0	18.71240	0.00279	2.89200	4.37190	0.53873	0.00494
52.2000E00	12.1630	0.0	0.0	28.52340	0.00279	2.89200	4.63360	0.51370	0.00495
52.3000E00	12.1611	0.0	0.0	49.68410	0.00279	2.89200	4.84160	0.49541	0.00495
52.4000E00	12.1592	0.0	0.0	109.33900	0.00279	2.89200	4.98910	0.48321	0.00496
52.5000E00	12.1573	0.0	0.0	410.02200	0.00279	2.89200	5.07470	0.47640	0.00496
52.5300E00	12.1567	0.0	0.0	775.10500	0.00279	2.89200	5.08870	0.47531	0.00496
52.5600E00	12.1561	0.0	0.0	1833.30700	0.00279	2.89200	5.09760	0.47461	0.00496
52.5800E00	12.1558	0.0	0.0	3644.54600	0.00279	2.89200	5.10070	0.47437	0.00496
52.6000E00	12.1554	0.0	0.0	5434.80000	0.00279	2.89200	5.10180	0.47429	0.00496
52.6200E00	12.1550	0.0	0.0	3643.14300	0.00279	2.89200	5.10080	0.47436	0.00497
52.6400E00	12.1546	0.0	0.0	1831.87800	0.00279	2.89200	5.09780	0.47460	0.00497
52.6700E00	12.1540	0.0	0.0	774.01400	0.00279	2.89200	5.08980	0.47522	0.00497
52.7000E00	12.1535	0.0	0.0	409.15400	0.00279	2.89200	5.07770	0.47617	0.00497
52.8000E00	12.1516	0.0	0.0	208.30700	0.00279	2.89200	5.01170	0.48139	0.00497

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
52.9000E00	12.1497	190.74700	39.84100	190.63600	125.38600	25.51980	0.0	0.0	150.90600
53.0000E00	12.1478	146.37300	30.82040	146.28700	95.60170	19.95110	0.0	0.0	115.55300
53.1000E00	12.1459	117.17700	25.98290	117.10500	75.06810	16.12600	0.0	0.0	91.19410
53.2000E00	12.1440	98.44960	22.99870	98.38543	61.75670	13.69420	0.0	0.0	75.45090
53.4000E00	12.1403	74.23610	19.53560	74.18160	44.20520	10.49530	0.0	0.0	54.70050
53.6000E00	12.1365	59.35860	17.59470	59.30951	33.28340	8.48050	0.0	0.0	41.76390
53.8000E00	12.1328	49.82870	16.35360	49.78307	26.29190	7.18320	0.0	0.0	33.47510
54.0000E00	12.1291	44.43340	16.27800	44.38798	21.78930	6.36610	0.0	0.0	28.15540
54.5000E00	12.1199	38.84000	16.22000	38.79475	16.71000	5.91000	0.0	0.0	22.62000
55.0000E00	12.1108	41.51000	16.18000	41.46486	17.59000	7.74000	0.0	0.0	25.33000
55.5000E00	12.1017	49.97000	16.14000	49.92497	21.60000	12.23000	0.0	0.0	33.83000
56.0000E00	12.0927	66.73000	16.11000	66.68505	28.68000	21.94000	0.0	0.0	50.62000
56.5000E00	12.0839	93.50000	16.08000	93.45514	39.02000	38.40000	0.0	0.0	77.42000
57.0000E00	12.0750	130.38000	16.05000	130.33500	55.13000	59.20000	0.0	0.0	114.33000
57.5000E00	12.0663	176.68000	16.03000	176.63500	75.15000	85.50000	0.0	0.0	160.65000
58.0000E00	12.0577	239.46000	16.02000	239.41500	102.44000	121.00000	0.0	0.0	223.44000
58.5000E00	12.0491	324.48000	16.01000	324.43500	139.47000	169.00000	0.0	0.0	308.47000
59.0000E00	12.0406	356.52000	16.01000	356.47500	152.51000	188.00000	0.0	0.0	340.51000
59.5000E00	12.0321	277.07000	16.00000	277.02500	116.07000	145.00000	0.0	0.0	261.07000
60.0000E00	12.0238	159.63000	16.00000	159.58500	63.53000	80.10000	0.0	0.0	143.63000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
52.9000E00	12.1497	0.0	0.0	150.90600	0.00279	2.89200	4.91330	0.48941	0.00498
53.0000E00	12.1478	0.0	0.0	115.55300	0.00279	2.89200	4.79180	0.49967	0.00498
53.1000E00	12.1459	0.0	0.0	91.19410	0.00279	2.89200	4.65510	0.51175	0.00499
53.2000E00	12.1440	0.0	0.0	75.45090	0.00279	2.89200	4.50970	0.52526	0.00499
53.4000E00	12.1403	0.0	0.0	54.70050	0.00279	2.89200	4.21190	0.55527	0.00500
53.6000E00	12.1365	0.0	0.0	41.76390	0.00279	2.89200	3.92470	0.58765	0.00501
53.8000E00	12.1328	0.0	0.0	33.47510	0.00279	2.89200	3.66020	0.62100	0.00502
54.0000E00	12.1291	0.0	0.0	28.15540	0.00279	2.89200	3.42270	0.65435	0.00503
54.5000E00	12.1199	0.0	0.0	22.62000	0.00279	2.89200	2.82700	0.75621	0.00505
55.0000E00	12.1108	0.0	0.0	25.33000	0.00279	2.89200	2.27300	0.88420	0.00508
55.5000E00	12.1017	0.0	0.0	33.83000	0.00279	2.89200	1.76600	1.04628	0.00510
56.0000E00	12.0927	0.0	0.0	50.62000	0.00279	2.89200	1.30700	1.25444	0.00512
56.5000E00	12.0839	0.0	0.0	77.42000	0.00279	2.89200	1.01620	1.43537	0.00515
57.0000E00	12.0750	0.0	0.0	114.33000	0.00279	2.89200	0.93120	1.49855	0.00517
57.5000E00	12.0663	0.0	0.0	160.65000	0.00279	2.89200	0.87890	1.54026	0.00519
58.0000E00	12.0577	0.0	0.0	223.44000	0.00279	2.89200	0.84660	1.56721	0.00521
58.5000E00	12.0491	0.0	0.0	308.47000	0.00279	2.89200	0.82530	1.58549	0.00524
59.0000E00	12.0406	0.0	0.0	340.51000	0.00279	2.89200	0.81120	1.59784	0.00526
59.5000E00	12.0321	0.0	0.0	261.07000	0.00279	2.89200	0.80050	1.60733	0.00528
60.0000E00	12.0238	0.0	0.0	143.63000	0.00279	2.89200	0.79310	1.61397	0.00530

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
61.0000E00	12.0072	79.80000	15.99000	79.75539	28.21000	35.60000	0.0	0.0	63.81000
62.0000E00	11.9910	92.48000	15.98000	92.43542	33.80000	42.70000	0.0	0.0	76.50000
63.0000E00	11.9750	121.08000	15.97000	121.03500	46.41000	58.70000	0.0	0.0	105.11000
64.0000E00	11.9592	157.71000	15.95000	157.66500	62.56000	79.20000	0.0	0.0	141.76000
65.0000E00	11.9437	210.95000	15.94000	210.90600	86.01000	109.00000	0.0	0.0	195.01000
65.5000E00	11.9360	223.42000	15.93000	223.37600	91.49000	116.00000	0.0	0.0	207.49000
66.0000E00	11.9284	198.33000	15.92000	198.28600	80.41000	102.00000	0.0	0.0	182.41000
67.0000E00	11.9134	114.76000	15.91000	114.71600	43.55000	55.30000	0.0	0.0	98.85000
68.0000E00	11.8986	69.50000	15.90000	69.45564	23.60000	30.00000	0.0	0.0	53.60000
69.0000E00	11.8840	37.36000	15.89000	37.31567	9.45000	12.02000	0.0	0.0	21.47000
70.0000E00	11.8696	31.57000	15.88000	31.52569	6.90000	8.79000	0.0	0.0	15.69000
71.0000E00	11.8554	36.35000	15.87000	36.30572	9.00000	11.48000	0.0	0.0	20.48000
72.0000E00	11.8414	67.76000	15.86000	67.71575	22.80000	29.10000	0.0	0.0	51.90000
73.0000E00	11.8276	135.28000	15.85000	135.23600	52.43000	67.00000	0.0	0.0	119.43000
74.0000E00	11.8140	256.38000	15.84000	256.33600	105.54000	135.00000	0.0	0.0	240.54000
75.0000E00	11.8006	416.56000	15.83000	416.51600	175.73000	225.00000	0.0	0.0	400.73000
76.0000E00	11.7874	250.81000	15.82000	250.76600	102.99000	132.00000	0.0	0.0	234.99000
77.0000E00	11.7743	106.56000	15.81000	106.51600	39.75000	51.00000	0.0	0.0	90.75000
78.0000E00	11.7614	33.76000	15.80000	33.71592	7.86000	10.10000	0.0	0.0	17.96000
79.0000E00	11.7486	33.21000	15.79000	33.16595	7.62000	9.80000	0.0	0.0	17.42000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
61.0000E00	12.0072	0.0	0.0	63.81000	0.00279	2.89200	0.79230	1.61469	0.00535
62.0000E00	11.9910	0.0	0.0	76.50000	0.00279	2.89200	0.79150	1.61541	0.00539
63.0000E00	11.9750	0.0	0.0	105.11000	0.00279	2.89200	0.79070	1.61613	0.00543
64.0000E00	11.9592	0.0	0.0	141.76000	0.00279	2.89200	0.78990	1.61685	0.00548
65.0000E00	11.9437	0.0	0.0	195.01000	0.00279	2.89200	0.78910	1.61757	0.00552
65.5000E00	11.9360	0.0	0.0	207.49000	0.00279	2.89200	0.78870	1.61794	0.00554
66.0000E00	11.9284	0.0	0.0	182.41000	0.00279	2.89200	0.78830	1.61830	0.00556
67.0000E00	11.9134	0.0	0.0	98.85000	0.00279	2.89200	0.78750	1.61902	0.00560
68.0000E00	11.8986	0.0	0.0	53.60000	0.00279	2.89200	0.78670	1.61975	0.00564
69.0000E00	11.8840	0.0	0.0	21.47000	0.00279	2.89200	0.78590	1.62047	0.00569
70.0000E00	11.8696	0.0	0.0	15.69000	0.00279	2.89200	0.78500	1.62129	0.00573
71.0000E00	11.8554	0.0	0.0	20.48000	0.00279	2.89200	0.78420	1.62202	0.00577
72.0000E00	11.8414	0.0	0.0	51.90000	0.00279	2.89200	0.78340	1.62274	0.00581
73.0000E00	11.8276	0.0	0.0	119.43000	0.00279	2.89200	0.78260	1.62347	0.00585
74.0000E00	11.8140	0.0	0.0	240.54000	0.00279	2.89200	0.78180	1.62420	0.00589
75.0000E00	11.8006	0.0	0.0	400.73000	0.00279	2.89200	0.78100	1.62493	0.00593
76.0000E00	11.7874	0.0	0.0	234.99000	0.00279	2.89200	0.78020	1.62566	0.00597
77.0000E00	11.7743	0.0	0.0	90.75000	0.00279	2.89200	0.77940	1.62639	0.00601
78.0000E00	11.7614	0.0	0.0	17.96000	0.00279	2.89200	0.77860	1.62712	0.00605
79.0000E00	11.7486	0.0	0.0	17.42000	0.00279	2.89200	0.77780	1.62786	0.00608

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
80.0000E00	11.7361	34.63000	15.79000	34.58595	8.24000	10.60000	0.0	0.0	18.84000
81.0000E00	11.7236	46.33000	15.78000	46.28597	13.35000	17.20000	0.0	0.0	30.55000
82.0000E00	11.7114	85.91000	15.77000	85.86600	30.64000	39.50000	0.0	0.0	70.14000
83.0000E00	11.6993	144.45000	15.76000	144.40600	56.19000	72.50000	0.0	0.0	128.69000
84.0000E00	11.6873	235.76000	15.75000	235.71600	96.01000	124.00000	0.0	0.0	220.01000
85.0000E00	11.6754	258.72000	15.74000	258.67600	105.98000	137.00000	0.0	0.0	242.98000
86.0000E00	11.6637	228.49000	15.73000	228.44600	92.76000	120.00000	0.0	0.0	212.76000
87.0000E00	11.6522	124.72000	15.72000	124.67600	47.50000	61.50000	0.0	0.0	109.00000
88.0000E00	11.6408	64.78000	15.71000	64.73617	21.37000	27.70000	0.0	0.0	49.07000
89.0000E00	11.6295	61.75000	15.70000	61.70620	20.05000	26.00000	0.0	0.0	46.05000
90.0000E00	11.6183	62.96000	15.69000	62.91622	20.57000	26.70000	0.0	0.0	47.27000
91.0000E00	11.6072	71.42000	15.68000	71.37625	24.24000	31.50000	0.0	0.0	55.74000
92.0000E00	11.5963	85.55000	15.67000	85.50628	30.38000	39.50000	0.0	0.0	69.88000
93.0000E00	11.5855	92.77000	15.67000	92.72628	33.50000	43.60000	0.0	0.0	77.10000
94.0000E00	11.5748	81.59000	15.66000	81.54631	28.63000	37.30000	0.0	0.0	65.93000
95.0000E00	11.5642	58.76000	15.65000	58.71634	18.71000	24.40000	0.0	0.0	43.11000
96.0000E00	11.5537	45.67000	15.64000	45.62636	13.03000	17.00000	0.0	0.0	30.03000
97.0000E00	11.5434	39.65000	15.64000	39.60636	10.41000	13.60000	0.0	0.0	24.01000
98.0000E00	11.5331	38.04000	15.63000	37.99639	9.71000	12.70000	0.0	0.0	22.41000
99.0000E00	11.5230	40.85000	15.62000	40.80642	10.93000	14.30000	0.0	0.0	25.23000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
80.0000E00	11.7361	0.0	0.0	18.84000	0.00279	2.89200	0.77700	1.62859	0.00612
81.0000E00	11.7236	0.0	0.0	30.55000	0.00279	2.89200	0.77630	1.62923	0.00616
82.0000E00	11.7114	0.0	0.0	70.14000	0.00279	2.89200	0.77570	1.62978	0.00620
83.0000E00	11.6993	0.0	0.0	128.69000	0.00279	2.89200	0.77500	1.63042	0.00624
84.0000E00	11.6873	0.0	0.0	220.01000	0.00279	2.89200	0.77430	1.63107	0.00627
85.0000E00	11.6754	0.0	0.0	242.98000	0.00279	2.89200	0.77360	1.63171	0.00631
86.0000E00	11.6637	0.0	0.0	212.76000	0.00279	2.89200	0.77300	1.63226	0.00635
87.0000E00	11.6522	0.0	0.0	109.00000	0.00279	2.89200	0.77230	1.63291	0.00638
88.0000E00	11.6408	0.0	0.0	49.07000	0.00279	2.89200	0.77160	1.63355	0.00642
89.0000E00	11.6295	0.0	0.0	46.05000	0.00279	2.89200	0.77100	1.63411	0.00646
90.0000E00	11.6183	0.0	0.0	47.27000	0.00279	2.89200	0.77030	1.63475	0.00649
91.0000E00	11.6072	0.0	0.0	55.74000	0.00279	2.89200	0.76960	1.63540	0.00653
92.0000E00	11.5963	0.0	0.0	69.88000	0.00279	2.89200	0.76900	1.63595	0.00657
93.0000E00	11.5855	0.0	0.0	77.10000	0.00279	2.89200	0.76830	1.63660	0.00660
94.0000E00	11.5748	0.0	0.0	65.93000	0.00279	2.89200	0.76760	1.63725	0.00664
95.0000E00	11.5642	0.0	0.0	43.11000	0.00279	2.89200	0.76690	1.63790	0.00667
96.0000E00	11.5537	0.0	0.0	30.03000	0.00279	2.89200	0.76630	1.63845	0.00671
97.0000E00	11.5434	0.0	0.0	24.01000	0.00279	2.89200	0.76560	1.63910	0.00674
98.0000E00	11.5331	0.0	0.0	22.41000	0.00279	2.89200	0.76490	1.63975	0.00678
99.0000E00	11.5230	0.0	0.0	25.23000	0.00279	2.89200	0.76430	1.64031	0.00681

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
100.0000E00	11.5129	49.12000	15.61000	49.07645	14.51000	19.00000	0.0	0.0	33.51000
101.0000E00	11.5030	61.44000	15.60000	61.39648	19.84000	26.00000	0.0	0.0	45.84000
102.0000E00	11.4931	73.40000	15.59000	73.35650	25.01000	32.80000	0.0	0.0	57.81000
103.0000E00	11.4834	77.25000	15.59000	77.20650	26.66000	35.00000	0.0	0.0	61.66000
104.0000E00	11.4737	70.88000	15.58000	70.83653	23.90000	31.40000	0.0	0.0	55.30000
105.0000E00	11.4641	50.78000	15.57000	50.73656	15.21000	20.00000	0.0	0.0	35.21000
106.0000E00	11.4547	40.73000	15.56000	40.68659	10.87000	14.30000	0.0	0.0	25.17000
107.0000E00	11.4453	34.90000	15.55000	34.85662	8.35000	11.00000	0.0	0.0	19.35000
108.0000E00	11.4360	32.26000	15.55000	32.21662	7.21000	9.50000	0.0	0.0	16.71000
109.0000E00	11.4267	31.72000	15.54000	31.67664	6.98000	9.20000	0.0	0.0	16.18000
110.0000E00	11.4176	34.34000	15.53000	34.29667	8.11000	10.70000	0.0	0.0	18.81000
111.0000E00	11.4086	54.18000	15.52000	54.13670	16.66000	22.00000	0.0	0.0	38.66000
112.0000E00	11.3996	94.57000	15.52000	94.52670	34.05000	45.00000	0.0	0.0	79.05000
113.0000E00	11.3907	125.27000	15.51000	125.22700	47.26000	62.50000	0.0	0.0	109.76000
114.0000E00	11.3819	131.36000	15.50000	131.31700	49.86000	66.00000	0.0	0.0	115.86000
115.0000E00	11.3732	131.32000	15.49000	131.27700	49.83000	66.00000	0.0	0.0	115.83000
116.0000E00	11.3645	119.88000	15.49000	119.83700	44.89000	59.50000	0.0	0.0	104.39000
117.0000E00	11.3559	97.39000	15.48000	97.34681	35.21000	46.70000	0.0	0.0	81.91000
118.0000E00	11.3474	74.21000	15.47000	74.16684	25.24000	33.50000	0.0	0.0	58.74000
119.0000E00	11.3390	56.84000	15.47000	56.79684	17.77000	23.60000	0.0	0.0	41.37000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
100.0000E00	11.5129	0.0	0.0	33.51000	0.00279	2.89200	0.76360	1.64096	0.00684
101.0000E00	11.5030	0.0	0.0	45.84000	0.00279	2.89200	0.76300	1.64152	0.00688
102.0000E00	11.4931	0.0	0.0	57.81000	0.00279	2.89200	0.76240	1.64208	0.00691
103.0000E00	11.4834	0.0	0.0	61.66000	0.00279	2.89200	0.76180	1.64264	0.00695
104.0000E00	11.4737	0.0	0.0	55.30000	0.00279	2.89200	0.76120	1.64320	0.00698
105.0000E00	11.4641	0.0	0.0	35.21000	0.00279	2.89200	0.76060	1.64376	0.00701
106.0000E00	11.4547	0.0	0.0	25.17000	0.00279	2.89200	0.76010	1.64423	0.00705
107.0000E00	11.4453	0.0	0.0	19.35000	0.00279	2.89200	0.75950	1.64479	0.00708
108.0000E00	11.4360	0.0	0.0	16.71000	0.00279	2.89200	0.75890	1.64535	0.00711
109.0000E00	11.4267	0.0	0.0	16.18000	0.00279	2.89200	0.75830	1.64591	0.00715
110.0000E00	11.4176	0.0	0.0	18.81000	0.00279	2.89200	0.75770	1.64647	0.00718
111.0000E00	11.4086	0.0	0.0	38.66000	0.00279	2.89200	0.75720	1.64694	0.00721
112.0000E00	11.3996	0.0	0.0	79.05000	0.00279	2.89200	0.75660	1.64750	0.00724
113.0000E00	11.3907	0.0	0.0	109.76000	0.00279	2.89200	0.75610	1.64797	0.00728
114.0000E00	11.3819	0.0	0.0	115.86000	0.00279	2.89200	0.75550	1.64853	0.00731
115.0000E00	11.3732	0.0	0.0	115.83000	0.00279	2.89200	0.75500	1.64900	0.00734
116.0000E00	11.3645	0.0	0.0	104.39000	0.00279	2.89200	0.75450	1.64947	0.00737
117.0000E00	11.3559	0.0	0.0	81.91000	0.00279	2.89200	0.75390	1.65004	0.00740
118.0000E00	11.3474	0.0	0.0	58.74000	0.00279	2.89200	0.75340	1.65051	0.00744
119.0000E00	11.3390	0.0	0.0	41.37000	0.00279	2.89200	0.75280	1.65107	0.00747

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
120.0000E00	11.3306	44.90000	15.46000	44.85687	12.64000	16.80000	0.0	0.0	29.44000
121.0000E00	11.3223	37.70000	15.45000	37.65689	9.55000	12.70000	0.0	0.0	22.25000
122.0000E00	11.3141	34.19000	15.45000	34.14689	8.04000	10.70000	0.0	0.0	18.74000
123.0000E00	11.3059	33.30000	15.44000	33.25692	7.66000	10.20000	0.0	0.0	17.86000
124.0000E00	11.2978	35.21000	15.43000	35.16695	8.48000	11.30000	0.0	0.0	19.78000
125.0000E00	11.2898	43.42000	15.42000	43.37698	12.00000	16.00000	0.0	0.0	28.00000
126.0000E00	11.2818	59.67000	15.42000	59.62698	18.95000	25.30000	0.0	0.0	44.25000
127.0000E00	11.2739	63.32000	15.41000	63.27701	20.51000	27.40000	0.0	0.0	47.91000
128.0000E00	11.2661	61.20000	15.40000	61.15703	19.60000	26.20000	0.0	0.0	45.80000
129.0000E00	11.2583	52.98000	15.40000	52.93703	16.08000	21.50000	0.0	0.0	37.58000
130.0000E00	11.2506	45.09000	15.39000	45.04706	12.70000	17.00000	0.0	0.0	29.70000
131.0000E00	11.2429	40.88000	15.38000	40.83709	10.90000	14.60000	0.0	0.0	25.50000
132.0000E00	11.2353	37.91000	15.38000	37.86709	9.63000	12.90000	0.0	0.0	22.53000
133.0000E00	11.2277	36.49000	15.37000	36.44712	9.02000	12.10000	0.0	0.0	21.12000
134.0000E00	11.2203	36.14000	15.37000	36.09712	8.87000	11.90000	0.0	0.0	20.77000
135.0000E00	11.2128	36.30000	15.36000	36.25715	8.94000	12.00000	0.0	0.0	20.94000
136.0000E00	11.2054	37.50000	15.35000	37.45717	9.45000	12.70000	0.0	0.0	22.15000
137.0000E00	11.1981	41.16000	15.35000	41.11717	11.01000	14.80000	0.0	0.0	25.81000
138.0000E00	11.1908	48.46000	15.34000	48.41720	14.12000	19.00000	0.0	0.0	33.12000
139.0000E00	11.1836	56.47000	15.34000	56.42720	17.53000	23.60000	0.0	0.0	41.13000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
120.0000E00	11.3306	0.0	0.0	29.44000	0.00279	2.89200	0.75230	1.65154	0.00750
121.0000E00	11.3223	0.0	0.0	22.25000	0.00279	2.89200	0.75180	1.65202	0.00753
122.0000E00	11.3141	0.0	0.0	18.74000	0.00279	2.89200	0.75130	1.65249	0.00756
123.0000E00	11.3059	0.0	0.0	17.86000	0.00279	2.89200	0.75080	1.65296	0.00759
124.0000E00	11.2978	0.0	0.0	19.78000	0.00279	2.89200	0.75030	1.65343	0.00762
125.0000E00	11.2898	0.0	0.0	28.00000	0.00279	2.89200	0.74970	1.65400	0.00765
126.0000E00	11.2818	0.0	0.0	44.25000	0.00279	2.89200	0.74920	1.65447	0.00768
127.0000E00	11.2739	0.0	0.0	47.91000	0.00279	2.89200	0.74870	1.65494	0.00771
128.0000E00	11.2661	0.0	0.0	45.80000	0.00279	2.89200	0.74820	1.65542	0.00774
129.0000E00	11.2583	0.0	0.0	37.58000	0.00279	2.89200	0.74770	1.65589	0.00777
130.0000E00	11.2506	0.0	0.0	29.70000	0.00279	2.89200	0.74720	1.65637	0.00780
131.0000E00	11.2429	0.0	0.0	25.50000	0.00279	2.89200	0.74670	1.65684	0.00783
132.0000E00	11.2353	0.0	0.0	22.53000	0.00279	2.89200	0.74620	1.65731	0.00786
133.0000E00	11.2277	0.0	0.0	21.12000	0.00279	2.89200	0.74580	1.65769	0.00789
134.0000E00	11.2203	0.0	0.0	20.77000	0.00279	2.89200	0.74530	1.65817	0.00792
135.0000E00	11.2128	0.0	0.0	20.94000	0.00279	2.89200	0.74480	1.65864	0.00795
136.0000E00	11.2054	0.0	0.0	22.15000	0.00279	2.89200	0.74430	1.65912	0.00798
137.0000E00	11.1981	0.0	0.0	25.81000	0.00279	2.89200	0.74380	1.65959	0.00801
138.0000E00	11.1908	0.0	0.0	33.12000	0.00279	2.89200	0.74340	1.65998	0.00804
139.0000E00	11.1836	0.0	0.0	41.13000	0.00279	2.89200	0.74290	1.66045	0.00807

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
140.0000E00	11.1765	58.02000	15.33000	57.97723	18.19000	24.50000	0.0	0.0	42.69000
141.0000E00	11.1693	55.38000	15.32000	55.33726	17.06000	23.00000	0.0	0.0	40.06000
142.0000E00	11.1623	46.67000	15.32000	46.62726	13.35000	18.00000	0.0	0.0	31.35000
143.0000E00	11.1553	39.16000	15.31000	39.11729	10.15000	13.70000	0.0	0.0	23.85000
144.0000E00	11.1483	34.46000	15.31000	34.41729	8.15000	11.00000	0.0	0.0	19.15000
145.0000E00	11.1414	32.35000	15.30000	32.30731	7.25000	9.80000	0.0	0.0	17.05000
146.0000E00	11.1345	31.31000	15.30000	31.26731	6.81000	9.20000	0.0	0.0	16.01000
147.0000E00	11.1277	30.94000	15.29000	30.89734	6.65000	9.00000	0.0	0.0	15.65000
148.0000E00	11.1209	31.81000	15.29000	31.76734	7.02000	9.50000	0.0	0.0	16.52000
149.0000E00	11.1141	35.97000	15.28000	35.92737	8.79000	11.90000	0.0	0.0	20.69000
150.0000E00	11.1075	44.82000	15.28000	44.77737	12.54000	17.00000	0.0	0.0	29.54000
151.0000E00	11.1008	63.92000	15.27000	63.87740	20.65000	28.00000	0.0	0.0	48.65000
152.0000E00	11.0942	67.04000	15.27000	66.99740	21.97000	29.80000	0.0	0.0	51.77000
153.0000E00	11.0877	64.23000	15.26000	64.18742	20.77000	28.20000	0.0	0.0	48.97000
154.0000E00	11.0811	46.86000	15.26000	46.81742	13.40000	18.20000	0.0	0.0	31.60000
155.0000E00	11.0747	39.20000	15.25000	39.15745	10.15000	13.80000	0.0	0.0	23.95000
156.0000E00	11.0682	35.90000	15.25000	35.85745	8.75000	11.90000	0.0	0.0	20.65000
157.0000E00	11.0618	33.11000	15.24000	33.06748	7.57000	10.30000	0.0	0.0	17.87000
158.0000E00	11.0555	31.20000	15.24000	31.15748	6.76000	9.20000	0.0	0.0	15.96000
159.0000E00	11.0492	29.62000	15.23000	29.57751	6.09000	8.30000	0.0	0.0	14.39000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
140.0000E00	11.1765	0.0	0.0	42.69000	0.00279	2.89200	0.74240	1.66093	0.00810
141.0000E00	11.1693	0.0	0.0	40.06000	0.00279	2.89200	0.74190	1.66140	0.00813
142.0000E00	11.1623	0.0	0.0	31.35000	0.00279	2.89200	0.74150	1.66179	0.00816
143.0000E00	11.1553	0.0	0.0	23.85000	0.00279	2.89200	0.74100	1.66226	0.00818
144.0000E00	11.1483	0.0	0.0	19.15000	0.00279	2.89200	0.74060	1.66265	0.00821
145.0000E00	11.1414	0.0	0.0	17.05000	0.00279	2.89200	0.74010	1.66312	0.00824
146.0000E00	11.1345	0.0	0.0	16.01000	0.00279	2.89200	0.73970	1.66351	0.00827
147.0000E00	11.1277	0.0	0.0	15.65000	0.00279	2.89200	0.73920	1.66398	0.00830
148.0000E00	11.1209	0.0	0.0	16.52000	0.00279	2.89200	0.73880	1.66437	0.00833
149.0000E00	11.1141	0.0	0.0	20.69000	0.00279	2.89200	0.73830	1.66485	0.00835
150.0000E00	11.1075	0.0	0.0	29.54000	0.00279	2.89200	0.73790	1.66523	0.00838
151.0000E00	11.1008	0.0	0.0	48.65000	0.00279	2.89200	0.73750	1.66561	0.00841
152.0000E00	11.0942	0.0	0.0	51.77000	0.00279	2.89200	0.73710	1.66600	0.00844
153.0000E00	11.0877	0.0	0.0	48.97000	0.00279	2.89200	0.73660	1.66648	0.00847
154.0000E00	11.0811	0.0	0.0	31.60000	0.00279	2.89200	0.73620	1.66686	0.00849
155.0000E00	11.0747	0.0	0.0	23.95000	0.00279	2.89200	0.73580	1.66724	0.00852
156.0000E00	11.0682	0.0	0.0	20.65000	0.00279	2.89200	0.73540	1.66763	0.00855
157.0000E00	11.0618	0.0	0.0	17.87000	0.00279	2.89200	0.73500	1.66801	0.00858
158.0000E00	11.0555	0.0	0.0	15.96000	0.00279	2.89200	0.73450	1.66849	0.00860
159.0000E00	11.0492	0.0	0.0	14.39000	0.00279	2.89200	0.73410	1.66888	0.00863

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
160.0000E00	11.0429	28.58000	15.23000	28.53751	5.65000	7.70000	0.0	0.0	13.35000
165.0000E00	11.0122	25.76000	15.20000	25.71759	4.46000	6.10000	0.0	0.0	10.56000
170.0000E00	10.9823	26.94000	15.18000	26.89765	4.96000	6.80000	0.0	0.0	11.76000
172.0000E00	10.9706	29.52000	15.17000	29.47768	6.05000	8.30000	0.0	0.0	14.35000
174.0000E00	10.9590	36.24000	15.16000	36.19770	8.88000	12.20000	0.0	0.0	21.08000
175.0000E00	10.9533	38.13000	15.15000	38.08773	9.68000	13.30000	0.0	0.0	22.98000
176.0000E00	10.9476	35.88000	15.15000	35.83773	8.73000	12.00000	0.0	0.0	20.73000
178.0000E00	10.9363	29.30000	15.14000	29.25776	5.96000	8.20000	0.0	0.0	14.16000
180.0000E00	10.9251	28.94000	15.13000	28.89779	5.81000	8.00000	0.0	0.0	13.81000
182.0000E00	10.9141	29.78000	15.12000	29.73782	6.16000	8.50000	0.0	0.0	14.66000
184.0000E00	10.9032	33.91000	15.11000	33.86784	7.90000	10.90000	0.0	0.0	18.80000
186.0000E00	10.8923	46.13000	15.10000	46.08787	13.03000	18.00000	0.0	0.0	31.03000
188.0000E00	10.8817	72.64000	15.09000	72.59790	24.15000	33.40000	0.0	0.0	57.55000
189.0000E00	10.8763	79.35000	15.09000	79.30790	26.96000	37.30000	0.0	0.0	64.26000
190.0000E00	10.8711	80.53000	15.08000	80.48793	27.45000	38.00000	0.0	0.0	65.45000
191.0000E00	10.8658	79.31000	15.08000	79.26793	26.93000	37.30000	0.0	0.0	64.23000
192.0000E00	10.8606	72.74000	15.07000	72.69795	24.17000	33.50000	0.0	0.0	57.67000
194.0000E00	10.8502	48.10000	15.06000	48.05798	13.84000	19.20000	0.0	0.0	33.04000
197.0000E00	10.8349	38.27000	15.05000	38.22801	9.72000	13.50000	0.0	0.0	23.22000
200.0000E00	10.8198	33.43000	15.04000	33.38804	7.69000	10.70000	0.0	0.0	18.39000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
160.0000E00	11.0429	0.0	0.0	13.35000	0.00279	2.89200	0.73370	1.66926	0.00866
165.0000E00	11.0122	0.0	0.0	10.56000	0.00279	2.89200	0.73170	1.67119	0.00879
170.0000E00	10.9823	0.0	0.0	11.76000	0.00279	2.89200	0.72970	1.67312	0.00892
172.0000E00	10.9706	0.0	0.0	14.35000	0.00279	2.89200	0.72890	1.67390	0.00898
174.0000E00	10.9590	0.0	0.0	21.08000	0.00279	2.89200	0.72820	1.67458	0.00903
175.0000E00	10.9533	0.0	0.0	22.98000	0.00279	2.89200	0.72780	1.67496	0.00905
176.0000E00	10.9476	0.0	0.0	20.73000	0.00279	2.89200	0.72740	1.67535	0.00908
178.0000E00	10.9363	0.0	0.0	14.16000	0.00279	2.89200	0.72670	1.67603	0.00913
180.0000E00	10.9251	0.0	0.0	13.81000	0.00279	2.89200	0.72590	1.67681	0.00918
182.0000E00	10.9141	0.0	0.0	14.66000	0.00279	2.89200	0.72520	1.67749	0.00923
184.0000E00	10.9032	0.0	0.0	18.80000	0.00279	2.89200	0.72450	1.67817	0.00928
186.0000E00	10.8923	0.0	0.0	31.03000	0.00279	2.89200	0.72370	1.67895	0.00933
188.0000E00	10.8817	0.0	0.0	57.55000	0.00279	2.89200	0.72300	1.67963	0.00938
189.0000E00	10.8763	0.0	0.0	64.26000	0.00279	2.89200	0.72270	1.67992	0.00941
190.0000E00	10.8711	0.0	0.0	65.45000	0.00279	2.89200	0.72230	1.68031	0.00943
191.0000E00	10.8658	0.0	0.0	64.23000	0.00279	2.89200	0.72190	1.68070	0.00946
192.0000E00	10.8606	0.0	0.0	57.67000	0.00279	2.89200	0.72160	1.68100	0.00948
194.0000E00	10.8502	0.0	0.0	33.04000	0.00279	2.89200	0.72090	1.68168	0.00953
197.0000E00	10.8349	0.0	0.0	23.22000	0.00279	2.89200	0.71980	1.68275	0.00961
200.0000E00	10.8198	0.0	0.0	18.39000	0.00279	2.89200	0.71870	1.68383	0.00968

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
205.0000E00	10.7951	29.44000	15.02000	29.39809	6.02000	8.40000	0.0	0.0	14.42000
210.0000E00	10.7710	28.21000	15.00000	28.16815	5.51000	7.70000	0.0	0.0	13.21000
212.0000E00	10.7615	29.57000	14.99000	29.52818	6.08000	8.50000	0.0	0.0	14.58000
214.0000E00	10.7521	33.50000	14.98000	33.45821	7.72000	10.80000	0.0	0.0	18.52000
216.0000E00	10.7428	38.63000	14.98000	38.58821	9.85000	13.80000	0.0	0.0	23.65000
218.0000E00	10.7336	43.41000	14.97000	43.36823	11.84000	16.60000	0.0	0.0	28.44000
220.0000E00	10.7245	44.42000	14.96000	44.37826	12.26000	17.20000	0.0	0.0	29.46000
222.0000E00	10.7154	43.37000	14.95000	43.32829	11.82000	16.60000	0.0	0.0	28.42000
224.0000E00	10.7064	38.57000	14.95000	38.52829	9.82000	13.80000	0.0	0.0	23.62000
226.0000E00	10.6976	33.42000	14.94000	33.37832	7.68000	10.80000	0.0	0.0	18.48000
228.0000E00	10.6887	29.48000	14.94000	29.43832	6.04000	8.50000	0.0	0.0	14.54000
230.0000E00	10.6800	28.78000	14.93000	28.73835	5.75000	8.10000	0.0	0.0	13.85000
232.0000E00	10.6714	28.76000	14.92000	28.71837	5.74000	8.10000	0.0	0.0	13.84000
234.0000E00	10.6628	29.26000	14.91000	29.21840	5.95000	8.40000	0.0	0.0	14.35000
236.0000E00	10.6543	30.62000	14.91000	30.57840	6.51000	9.20000	0.0	0.0	15.71000
238.0000E00	10.6458	33.51000	14.90000	33.46843	7.71000	10.90000	0.0	0.0	18.61000
240.0000E00	10.6375	37.08000	14.89000	37.03846	9.19000	13.00000	0.0	0.0	22.19000
245.0000E00	10.6168	47.28000	14.88000	47.23848	13.40000	19.00000	0.0	0.0	32.40000
250.0000E00	10.5966	57.81000	14.86000	57.76854	17.75000	25.20000	0.0	0.0	42.95000
255.0000E00	10.5768	68.49000	14.85000	68.44857	22.14000	31.50000	0.0	0.0	53.64000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
205.0000E00	10.7951	0.0	0.0	14.42000	0.00279	2.89200	0.71710	1.68540	0.00980
210.0000E00	10.7710	0.0	0.0	13.21000	0.00279	2.89200	0.71560	1.68687	0.00992
212.0000E00	10.7615	0.0	0.0	14.58000	0.00279	2.89200	0.71500	1.68746	0.00997
214.0000E00	10.7521	0.0	0.0	18.52000	0.00279	2.89200	0.71440	1.68805	0.01001
216.0000E00	10.7428	0.0	0.0	23.65000	0.00279	2.89200	0.71380	1.68865	0.01006
218.0000E00	10.7336	0.0	0.0	28.44000	0.00279	2.89200	0.71320	1.68924	0.01011
220.0000E00	10.7245	0.0	0.0	29.46000	0.00279	2.89200	0.71260	1.68983	0.01015
222.0000E00	10.7154	0.0	0.0	28.42000	0.00279	2.89200	0.71200	1.69042	0.01020
224.0000E00	10.7064	0.0	0.0	23.62000	0.00279	2.89200	0.71140	1.69101	0.01024
226.0000E00	10.6976	0.0	0.0	18.48000	0.00279	2.89200	0.71090	1.69151	0.01029
228.0000E00	10.6887	0.0	0.0	14.54000	0.00279	2.89200	0.71030	1.69210	0.01033
230.0000E00	10.6800	0.0	0.0	13.85000	0.00279	2.89200	0.70970	1.69270	0.01038
232.0000E00	10.6714	0.0	0.0	13.84000	0.00279	2.89200	0.70910	1.69329	0.01042
234.0000E00	10.6628	0.0	0.0	14.35000	0.00279	2.89200	0.70850	1.69388	0.01047
236.0000E00	10.6543	0.0	0.0	15.71000	0.00279	2.89200	0.70800	1.69438	0.01051
238.0000E00	10.6458	0.0	0.0	18.61000	0.00279	2.89200	0.70750	1.69488	0.01056
240.0000E00	10.6375	0.0	0.0	22.19000	0.00279	2.89200	0.70690	1.69547	0.01060
245.0000E00	10.6168	0.0	0.0	32.40000	0.00279	2.89200	0.70550	1.69686	0.01071
250.0000E00	10.5966	0.0	0.0	42.95000	0.00279	2.89200	0.70420	1.69816	0.01082
255.0000E00	10.5768	0.0	0.0	53.64000	0.00279	2.89200	0.70290	1.69945	0.01093

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
260.0000E00	10.5574	79.83000	14.83000	79.78862	26.80000	38.20000	0.0	0.0	65.00000
265.0000E00	10.5384	88.61000	14.82000	88.56865	30.39000	43.40000	0.0	0.0	73.79000
270.0000E00	10.5197	64.41000	14.80000	64.36871	20.41000	29.20000	0.0	0.0	49.61000
275.0000E00	10.5013	37.20000	14.79000	37.15874	9.21000	13.20000	0.0	0.0	22.41000
280.0000E00	10.4833	37.17000	14.77000	37.12879	9.20000	13.20000	0.0	0.0	22.40000
290.0000E00	10.4482	37.44000	14.74000	37.39888	9.30000	13.40000	0.0	0.0	22.70000
300.0000E00	10.4143	36.03000	14.71000	35.98896	8.72000	12.60000	0.0	0.0	21.32000
310.0000E00	10.3815	33.78000	14.68000	33.73904	7.80000	11.30000	0.0	0.0	19.10000
320.0000E00	10.3498	32.22000	14.66000	32.17910	7.16000	10.40000	0.0	0.0	17.56000
330.0000E00	10.3190	28.96000	14.63000	28.91918	5.83000	8.50000	0.0	0.0	14.33000
340.0000E00	10.2892	24.88000	14.61000	24.83924	4.17000	6.10000	0.0	0.0	10.27000
350.0000E00	10.2602	20.97000	14.58000	20.92932	2.59000	3.80000	0.0	0.0	6.39000
360.0000E00	10.2320	23.97000	14.56000	23.92938	3.81000	5.60000	0.0	0.0	9.41000
370.0000E00	10.2046	25.45000	14.54000	25.40943	4.41000	6.50000	0.0	0.0	10.91000
380.0000E00	10.1779	39.66000	14.51000	39.61952	10.15000	15.00000	0.0	0.0	25.15000
385.0000E00	10.1649	41.98000	14.50000	41.93955	11.08000	16.40000	0.0	0.0	27.48000
390.0000E00	10.1519	39.62000	14.49000	39.57957	10.13000	15.00000	0.0	0.0	25.13000
400.0000E00	10.1266	23.34000	14.47000	23.29963	3.57000	5.30000	0.0	0.0	8.87000
410.0000E00	10.1019	22.22000	14.45000	22.17968	3.12000	4.65000	0.0	0.0	7.77000
420.0000E00	10.0778	23.45000	14.43000	23.40974	3.62000	5.40000	0.0	0.0	9.02000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
260.0000E00	10.5574	0.0	0.0	65.00000	0.00279	2.89200	0.70160	1.70075	0.01104
265.0000E00	10.5384	0.0	0.0	73.79000	0.00279	2.89200	0.70030	1.70205	0.01114
270.0000E00	10.5197	0.0	0.0	49.61000	0.00279	2.89200	0.69910	1.70326	0.01125
275.0000E00	10.5013	0.0	0.0	22.41000	0.00279	2.89200	0.69790	1.70446	0.01135
280.0000E00	10.4833	0.0	0.0	22.40000	0.00279	2.89200	0.69670	1.70566	0.01145
290.0000E00	10.4482	0.0	0.0	22.70000	0.00279	2.89200	0.69440	1.70798	0.01165
300.0000E00	10.4143	0.0	0.0	21.32000	0.00279	2.89200	0.69220	1.71020	0.01185
310.0000E00	10.3815	0.0	0.0	19.10000	0.00279	2.89200	0.69010	1.71233	0.01205
320.0000E00	10.3498	0.0	0.0	17.56000	0.00279	2.89200	0.68810	1.71435	0.01224
330.0000E00	10.3190	0.0	0.0	14.33000	0.00279	2.89200	0.68610	1.71639	0.01243
340.0000E00	10.2892	0.0	0.0	10.27000	0.00279	2.89200	0.68410	1.71843	0.01262
350.0000E00	10.2602	0.0	0.0	6.39000	0.00279	2.89200	0.68220	1.72037	0.01280
360.0000E00	10.2320	0.0	0.0	9.41000	0.00279	2.89200	0.68030	1.72231	0.01298
370.0000E00	10.2046	0.0	0.0	10.91000	0.00279	2.89200	0.67850	1.72416	0.01316
380.0000E00	10.1779	0.0	0.0	25.15000	0.00279	2.89200	0.67670	1.72601	0.01334
385.0000E00	10.1649	0.0	0.0	27.48000	0.00279	2.89200	0.67580	1.72694	0.01343
390.0000E00	10.1519	0.0	0.0	25.13000	0.00279	2.89200	0.67500	1.72776	0.01351
400.0000E00	10.1266	0.0	0.0	8.87000	0.00279	2.89200	0.67340	1.72941	0.01369
410.0000E00	10.1019	0.0	0.0	7.77000	0.00279	2.89200	0.67097	1.73107	0.01386
420.0000E00	10.0778	0.0	0.0	9.02000	0.00279	2.89200	0.67020	1.73273	0.01402

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
430.0000E00	10.0543	28.59000	14.41000	28.54980	5.68000	8.50000	0.0	0.0	14.18000
440.0000E00	10.0313	29.89000	14.39000	29.84985	6.20000	9.30000	0.0	0.0	15.50000
450.0000E00	10.0088	31.19000	14.37000	31.14991	6.72000	10.10000	0.0	0.0	16.82000
460.0000E00	9.9869	32.16000	14.35000	32.11996	7.11000	10.70000	0.0	0.0	17.81000
470.0000E00	9.9654	32.80000	14.34000	32.75999	7.36000	11.10000	0.0	0.0	18.46000
480.0000E00	9.9443	35.92000	14.32000	35.88005	8.60000	13.00000	0.0	0.0	21.60000
490.0000E00	9.9237	40.04000	14.31000	40.00008	10.23000	15.50000	0.0	0.0	25.73000
500.0000E00	9.9035	43.15000	14.29000	43.11013	11.46000	17.40000	0.0	0.0	28.86000
520.0000E00	9.8643	41.09000	14.26000	41.05021	10.63000	16.20000	0.0	0.0	26.83000
540.0000E00	9.8265	36.72000	14.23000	36.68030	8.89000	13.60000	0.0	0.0	22.49000
560.0000E00	9.7902	28.07000	14.20000	28.03038	5.47000	8.40000	0.0	0.0	13.87000
580.0000E00	9.7551	22.25000	14.17000	22.21047	3.18000	4.90000	0.0	0.0	8.08000
600.0000E00	9.7212	18.75000	14.14000	18.71055	1.81000	2.80000	0.0	0.0	4.61000
620.0000E00	9.6884	19.54000	14.11000	19.50063	2.13000	3.30000	0.0	0.0	5.43000
640.0000E00	9.6566	20.33000	14.09000	20.29069	2.44000	3.80000	0.0	0.0	6.24000
660.0000E00	9.6259	21.28000	14.06000	21.24077	2.82000	4.40000	0.0	0.0	7.22000
680.0000E00	9.5960	22.73000	14.04000	22.69083	3.39000	5.30000	0.0	0.0	8.69000
700.0000E00	9.5670	23.67000	14.01000	23.63091	3.76000	5.90000	0.0	0.0	9.66000
720.0000E00	9.5388	24.29000	13.99000	24.25097	4.00000	6.30000	0.0	0.0	10.30000
740.0000E00	9.5114	24.41000	13.96000	24.37105	4.05000	6.40000	0.0	0.0	10.45000

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
430.0000E00	10.0543	0.0	0.0	14.18000	0.00279	2.89200	0.66860	1.73439	0.01419
440.0000E00	10.0313	0.0	0.0	15.50000	0.00279	2.89200	0.66710	1.73595	0.01435
450.0000E00	10.0088	0.0	0.0	16.82000	0.00279	2.89200	0.66560	1.73751	0.01452
460.0000E00	9.9869	0.0	0.0	17.81000	0.00279	2.89200	0.66410	1.73908	0.01468
470.0000E00	9.9654	0.0	0.0	18.46000	0.00279	2.89200	0.66270	1.74054	0.01484
480.0000E00	9.9443	0.0	0.0	21.60000	0.00279	2.89200	0.66130	1.74201	0.01499
490.0000E00	9.9237	0.0	0.0	25.73000	0.00279	2.89200	0.66000	1.74337	0.01515
500.0000E00	9.9035	0.0	0.0	28.86000	0.00279	2.89200	0.65870	1.74474	0.01530
520.0000E00	9.8643	0.0	0.0	26.83000	0.00279	2.89200	0.65630	1.74727	0.01560
540.0000E00	9.8265	0.0	0.0	22.49000	0.00279	2.89200	0.65380	1.74991	0.01590
560.0000E00	9.7902	0.0	0.0	13.87000	0.00279	2.89200	0.65140	1.75245	0.01619
580.0000E00	9.7551	0.0	0.0	8.08000	0.00279	2.89200	0.64910	1.75490	0.01648
600.0000E00	9.7212	0.0	0.0	4.61000	0.00279	2.89200	0.64690	1.75724	0.01676
620.0000E00	9.6884	0.0	0.0	5.43000	0.00279	2.89200	0.64545	1.75949	0.01704
640.0000E00	9.6566	0.0	0.0	6.24000	0.00279	2.89200	0.64211	1.76163	0.01731
660.0000E00	9.6259	0.0	0.0	7.22000	0.00279	2.89200	0.64080	1.76377	0.01758
680.0000E00	9.5960	0.0	0.0	8.69000	0.00279	2.89200	0.63962	1.76593	0.01784
700.0000E00	9.5670	0.0	0.0	9.66000	0.00279	2.89200	0.63690	1.76798	0.01810
720.0000E00	9.5388	0.0	0.0	10.30000	0.00279	2.89200	0.63500	1.77003	0.01836
740.0000E00	9.5114	0.0	0.0	10.45000	0.00279	2.89200	0.63320	1.77198	0.01861

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
800.0000E00	9.4335	24.31000	13.89000	24.27125	4.02000	6.40000	0.0	0.0	10.42000
850.0000E00	9.3729	24.23000	13.84000	24.19139	3.99000	6.40000	0.0	0.0	10.39000
900.0000E00	9.3157	24.00000	13.79000	23.96153	3.91000	6.30000	0.0	0.0	10.21000
950.0000E00	9.2616	23.77000	13.75000	23.73164	3.82000	6.20000	0.0	0.0	10.02000
1.0000E 3	9.2103	23.50300	13.71300	23.46460	3.72000	6.07000	0.0	0.0	9.79000
1.0300E 3	9.1808	26.42300	13.69100	26.38467	4.83200	7.90000	0.0	0.0	12.73200
1.0950E 3	9.1196	20.39200	13.64100	20.35381	2.55100	4.20000	0.0	0.0	6.75100
1.1350E 3	9.0837	20.84300	13.61800	20.80487	2.72500	4.50000	0.0	0.0	7.22500
1.1800E 3	9.0448	25.52000	13.58300	25.48197	4.48700	7.45000	0.0	0.0	11.93700
1.2200E 3	9.0115	23.80400	13.56000	23.76603	3.84400	6.40000	0.0	0.0	10.24400
1.2800E 3	8.9635	22.61200	13.52400	22.57413	3.39800	5.69000	0.0	0.0	9.08800
1.3250E 3	8.9289	20.88400	13.49800	20.84621	2.75600	4.63000	0.0	0.0	7.38600
1.3800E 3	8.8883	17.59400	13.47000	17.55628	1.53400	2.59000	0.0	0.0	4.12400
1.4500E 3	8.8388	21.74200	13.42900	21.70440	3.08300	5.23000	0.0	0.0	8.31300
1.5050E 3	8.8015	17.36900	13.40200	17.33147	1.46700	2.50000	0.0	0.0	3.96700
1.5800E 3	8.7529	18.41900	13.36700	18.38157	1.86200	3.19000	0.0	0.0	5.05200
1.6500E 3	8.7096	19.44700	13.33000	19.40968	2.24700	3.87000	0.0	0.0	6.11700
1.7500E 3	8.6507	19.12100	13.28600	19.08380	2.13500	3.70000	0.0	0.0	5.83500
1.8000E 3	8.6226	17.83400	13.26600	17.79686	1.66800	2.90000	0.0	0.0	4.56800
1.9000E 3	8.5685	15.92800	13.22500	15.89097	0.98300	1.72000	0.0	0.0	2.70300

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
800.0000E00	9.4335	0.0	0.0	10.42000	0.00279	2.89200	0.62820	1.77742	0.01935
850.0000E00	9.3729	0.0	0.0	10.39000	0.00279	2.89200	0.62344	1.78180	0.01995
900.0000E00	9.3157	0.0	0.0	10.21000	0.00279	2.89200	0.62040	1.78598	0.02052
950.0000E00	9.2616	0.0	0.0	10.02000	0.00279	2.89200	0.61613	1.78996	0.02108
1.0000E 3	9.2103	0.0	0.0	9.79000	0.00280	2.89210	0.61330	1.79266	0.02163
1.0300E 3	9.1808	0.0	0.0	12.73200	0.00280	2.89210	0.61170	1.79444	0.02195
1.0950E 3	9.1196	0.0	0.0	6.75100	0.00280	2.89210	0.60740	1.79924	0.02263
1.1350E 3	9.0837	0.0	0.0	7.22500	0.00280	2.89210	0.60550	1.80137	0.02304
1.1800E 3	9.0448	0.0	0.0	11.93700	0.00280	2.89210	0.60230	1.80497	0.02349
1.2200E 3	9.0115	0.0	0.0	10.24400	0.00280	2.89220	0.60070	1.80683	0.02389
1.2800E 3	8.9635	0.0	0.0	9.08800	0.00280	2.89220	0.59720	1.81079	0.02447
1.3250E 3	8.9289	0.0	0.0	7.38600	0.00280	2.89220	0.59530	1.81295	0.02489
1.3800E 3	8.8883	0.0	0.0	4.12400	0.00280	2.89220	0.59230	1.81637	0.02540
1.4500E 3	8.8388	0.0	0.0	8.31300	0.00280	2.89220	0.58940	1.81968	0.02604
1.5050E 3	8.8015	0.0	0.0	3.96700	0.00280	2.89220	0.58670	1.82278	0.02653
1.5800E 3	8.7529	0.0	0.0	5.05200	0.00280	2.89220	0.58360	1.82635	0.02718
1.6500E 3	8.7096	0.0	0.0	6.11700	0.00280	2.89220	0.58070	1.82970	0.02777
1.7500E 3	8.6507	0.0	0.0	5.83500	0.00280	2.89220	0.57700	1.83399	0.02860
1.8000E 3	8.6226	0.0	0.0	4.56800	0.00280	2.89220	0.57520	1.83608	0.02901
1.9000E 3	8.5685	0.0	0.0	2.70300	0.00280	2.89220	0.57170	1.84017	0.02980

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
2.0000E 3	8.5172	15.88200	13.18500	15.84508	0.97700	1.72000	0.0	0.0	2.69700
2.1300E 3	8.4542	17.25400	13.13800	17.21721	1.48600	2.63000	0.0	0.0	4.11600
2.2500E 3	8.3994	18.55800	13.09700	18.52133	1.96100	3.50000	0.0	0.0	5.46100
2.3500E 3	8.3559	20.58600	13.06300	20.54942	2.69300	4.83000	0.0	0.0	7.52300
2.5100E 3	8.2901	17.70400	13.01300	17.66756	1.67100	3.02000	0.0	0.0	4.69100
2.6400E 3	8.2396	18.85000	12.97500	18.81367	2.08500	3.79000	0.0	0.0	5.87500
2.8000E 3	8.1807	17.59800	12.92800	17.56180	1.65000	3.02000	0.0	0.0	4.67000
2.9600E 3	8.1252	18.31800	12.88800	18.28191	1.91000	3.52000	0.0	0.0	5.43000
3.1550E 3	8.0614	18.28700	12.84000	18.25105	1.90700	3.54000	0.0	0.0	5.44700
3.3800E 3	7.9925	16.34400	12.78500	16.30820	1.23900	2.32000	0.0	0.0	3.55900
3.6200E 3	7.9239	20.38300	12.73600	20.34734	2.64700	5.00000	0.0	0.0	7.64700
3.8700E 3	7.8571	17.44000	12.68300	17.40449	1.63700	3.12000	0.0	0.0	4.75700
4.1250E 3	7.7933	17.54600	12.63400	17.51062	1.68200	3.23000	0.0	0.0	4.91200
4.4800E 3	7.7107	14.86000	12.57200	14.82480	0.77800	1.51000	0.0	0.0	2.28800
4.8400E 3	7.6334	17.52700	12.51200	17.49197	1.69500	3.32000	0.0	0.0	5.01500
5.2200E 3	7.5578	18.20900	12.45800	18.17412	1.93100	3.82000	0.0	0.0	5.75100
5.7000E 3	7.4699	15.29300	12.39800	15.25829	0.96500	1.93000	0.0	0.0	2.89500
6.2800E 3	7.3730	16.50800	12.32700	16.47348	1.38100	2.80000	0.0	0.0	4.18100
6.7500E 3	7.3008	16.17800	12.27700	16.14362	1.28100	2.62000	0.0	0.0	3.90100
7.4500E 3	7.2021	14.90700	12.21000	14.87281	0.87700	1.82000	0.0	0.0	2.69700

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
2.0000E 3	8.5172	0.0	0.0	2.69700	0.00280	2.89230	0.56830	1.84423	0.03057
2.1300E 3	8.4542	0.0	0.0	4.11600	0.00280	2.89230	0.56490	1.84823	0.03155
2.2500E 3	8.3994	0.0	0.0	5.46100	0.00280	2.89230	0.56030	1.85368	0.03242
2.3500E 3	8.3559	0.0	0.0	7.52300	0.00280	2.89230	0.55760	1.85690	0.03313
2.5100E 3	8.2901	0.0	0.0	4.69100	0.00280	2.89230	0.55340	1.86192	0.03424
2.6400E 3	8.2396	0.0	0.0	5.87500	0.00280	2.89230	0.55010	1.86588	0.03511
2.8000E 3	8.1807	0.0	0.0	4.67000	0.00280	2.89240	0.54620	1.87065	0.03615
2.9600E 3	8.1252	0.0	0.0	5.43000	0.00280	2.89240	0.54270	1.87489	0.03717
3.1550E 3	8.0614	0.0	0.0	5.44700	0.00280	2.89240	0.53860	1.87989	0.03837
3.3800E 3	7.9925	0.0	0.0	3.55900	0.00280	2.89240	0.53400	1.88553	0.03971
3.6200E 3	7.9239	0.0	0.0	7.64700	0.00280	2.89250	0.52930	1.89139	0.04108
3.8700E 3	7.8571	0.0	0.0	4.75700	0.00280	2.89250	0.52480	1.89697	0.04247
4.1250E 3	7.7933	0.0	0.0	4.91200	0.00280	2.89250	0.52070	1.90208	0.04384
4.4800E 3	7.7107	0.0	0.0	2.28800	0.00280	2.89260	0.51550	1.90868	0.04568
4.8400E 3	7.6334	0.0	0.0	5.01500	0.00280	2.89260	0.51040	1.91512	0.04747
5.2200E 3	7.5578	0.0	0.0	5.75100	0.00280	2.89270	0.50560	1.92129	0.04928
5.7000E 3	7.4699	0.0	0.0	2.89500	0.00280	2.89270	0.49980	1.92872	0.05148
6.2800E 3	7.3730	0.0	0.0	4.18100	0.00280	2.89280	0.49320	1.93732	0.05402
6.7500E 3	7.3008	0.0	0.0	3.90100	0.00280	2.89290	0.48900	1.94285	0.05598
7.4500E 3	7.2021	0.0	0.0	2.69700	0.00280	2.89300	0.48160	1.95262	0.05879

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.0000E 3	7.1309	15.03600	12.15700	15.00196	0.92900	1.95000	0.0	0.0	2.87900
8.5000E 3	7.0703	15.18300	12.11600	15.14908	0.97200	2.06000	0.0	0.0	3.03200
9.0000E 3	7.0131	15.32100	12.07500	15.28719	1.01500	2.17000	0.0	0.0	3.18500
9.5000E 3	6.9590	15.45900	12.04000	15.42529	1.05700	2.28000	0.0	0.0	3.33700
10.0000E 3	6.9078	15.29000	11.71687	15.25719	1.09313	2.38000	0.0	0.0	3.47313
12.0000E 3	6.7254	14.94000	12.19978	14.90584	0.79422	1.79000	0.0	0.0	2.58422
14.0000E 3	6.5713	14.66000	12.07594	14.62619	0.72106	1.68000	0.0	0.0	2.40106
16.0000E 3	6.4378	14.43000	11.75670	14.39708	0.72730	1.75000	0.0	0.0	2.47730
18.0000E 3	6.3200	14.24000	11.38357	14.20813	0.76243	1.89000	0.0	0.0	2.65243
20.0000E 3	6.2146	14.08000	11.10091	14.04892	0.77809	1.99000	0.0	0.0	2.76809
25.0000E 3	5.9915	13.78000	11.37496	13.74815	0.58304	1.60000	0.0	0.0	2.18304
30.0000E 3	5.8091	13.54000	11.32280	13.50830	0.50720	1.48000	0.0	0.0	1.98720
35.0000E 3	5.6550	13.36000	11.21284	13.31851	0.45216	1.46000	0.0	0.0	1.91216
40.0000E 3	5.5215	13.20000	11.10979	13.11668	0.40122	1.45000	0.0	0.0	1.85122
45.0000E 3	5.4037	13.07000	11.02478	12.85832	0.35322	1.45000	0.0	0.0	1.80322
50.0000E 3	5.2983	12.94000	10.93963	12.60197	0.30537	1.45000	0.0	0.0	1.75537
55.0000E 3	5.2030	12.82000	10.86448	12.39520	0.25752	1.45000	0.0	0.0	1.70752
60.0000E 3	5.1160	12.70000	10.77588	12.19353	0.21112	1.46000	0.0	0.0	1.67112
65.0000E 3	5.0360	12.60000	10.66803	12.02179	0.21097	1.46000	0.0	0.0	1.67097
70.0000E 3	4.9618	12.50000	10.56018	11.85372	0.21082	1.46000	0.0	0.0	1.67082

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.0000E 3	7.1309	0.0	0.0	2.87900	0.00280	2.89300	0.47640	1.95950	0.06090
8.5000E 3	7.0703	0.03500	0.0	3.06700	0.00280	2.89310	0.47200	1.96542	0.06275
9.0000E 3	7.0131	0.06100	0.0	3.24600	0.00280	2.89320	0.46770	1.97125	0.06455
9.5000E 3	6.9590	0.08200	0.0	3.41900	0.00280	2.89320	0.46340	1.97704	0.06629
10.0000E 3	6.9078	0.10000	0.0	3.57313	0.00280	2.89330	0.45930	1.98266	0.06799
12.0000E 3	6.7254	0.15600	0.0	2.74022	0.00280	2.89350	0.44370	2.00423	0.07438
14.0000E 3	6.5713	0.18300	0.0	2.58406	0.00280	2.89380	0.42920	2.02477	0.08024
16.0000E 3	6.4378	0.19600	0.0	2.67330	0.00280	2.89400	0.41560	2.04436	0.08566
18.0000E 3	6.3200	0.20400	0.0	2.85643	0.00280	2.89430	0.40340	2.06235	0.09074
20.0000E 3	6.2146	0.21100	0.0	2.97909	0.00280	2.89460	0.39100	2.08095	0.09552
25.0000E 3	5.9915	0.22200	0.0	2.40504	0.00280	2.89520	0.36440	2.12196	0.10644
30.0000E 3	5.8091	0.23000	0.0	2.21720	0.00280	2.89580	0.34270	2.15670	0.11621
35.0000E 3	5.6550	0.23500	0.0	2.14716	0.00370	2.89650	0.30970	2.21158	0.12510
40.0000E 3	5.5215	0.23900	0.0	2.09022	0.00750	2.89710	0.27670	2.26921	0.13329
45.0000E 3	5.4037	0.24200	0.0	2.04522	0.01920	2.89780	0.24360	2.33017	0.14090
50.0000E 3	5.2983	0.24500	0.0	2.00037	0.03090	2.89840	0.21060	2.39418	0.14803
55.0000E 3	5.2030	0.24800	0.0	1.95552	0.03910	2.89900	0.17760	2.46179	0.15474
60.0000E 3	5.1160	0.25300	0.0	1.92412	0.04700	2.89970	0.14460	2.53337	0.16108
65.0000E 3	5.0360	0.26100	0.0	1.93197	0.05420	2.90030	0.14450	2.53412	0.16709
70.0000E 3	4.9618	0.26900	0.0	1.93982	0.06120	2.90100	0.14440	2.53495	0.17282

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
75.0000E 3	4.8929	12.40000	10.44288	11.69302	0.21212	1.47000	0.0	0.0	1.68212
80.0000E 3	4.8283	12.28000	10.31503	11.51978	0.21197	1.47000	0.0	0.0	1.68197
85.0000E 3	4.7677	12.17000	10.18673	11.35914	0.21327	1.48000	0.0	0.0	1.69327
90.0000E 3	4.7105	12.06000	10.06788	11.20121	0.21312	1.48000	0.0	0.0	1.69312
95.0000E 3	4.6565	11.97000	9.95959	11.06467	0.21441	1.49000	0.0	0.0	1.70441
100.0000E 3	4.6052	11.89000	9.87274	10.94222	0.21426	1.49000	0.0	0.0	1.70426
110.0000E 3	4.5099	11.70200	9.65860	10.68109	0.21540	1.50000	0.0	0.0	1.71540
120.0000E 3	4.4228	11.53600	9.46747	10.44440	0.21653	1.51000	0.0	0.0	1.72653
130.0000E 3	4.3428	11.39100	9.30877	10.23578	0.21623	1.51000	0.0	0.0	1.72623
140.0000E 3	4.2687	11.25200	9.14564	10.03654	0.21736	1.52000	0.0	0.0	1.73736
150.0000E 3	4.1997	11.11900	8.99994	9.85091	0.21706	1.52000	0.0	0.0	1.73706
160.0000E 3	4.1352	11.00000	8.85782	9.68107	0.21818	1.53000	0.0	0.0	1.74818
170.0000E 3	4.0745	10.89000	8.73613	9.52542	0.21787	1.53000	0.0	0.0	1.74787
180.0000E 3	4.0174	10.76900	8.59555	9.36363	0.21545	1.54000	0.0	0.0	1.75545
190.0000E 3	3.9633	10.65700	8.47995	9.21287	0.20805	1.54000	0.0	0.0	1.74805
200.0000E 3	3.9120	10.54000	8.35934	9.06040	0.20066	1.54000	0.0	0.0	1.74066
210.0000E 3	3.8632	10.45000	8.26673	8.93306	0.19327	1.54000	0.0	0.0	1.73327
220.0000E 3	3.8167	10.35000	8.15392	8.80157	0.18709	1.55000	0.0	0.0	1.73709
230.0000E 3	3.7723	10.25000	8.05136	8.67032	0.17965	1.55000	0.0	0.0	1.72965
240.0000E 3	3.7297	10.15000	7.95080	8.54076	0.17221	1.55000	0.0	0.0	1.72221

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
75.0000E 3	4.8929	0.27500	0.0	1.95712	0.06770	2.90160	0.14430	2.53570	0.17829
80.0000E 3	4.8283	0.28300	0.0	1.96497	0.07370	2.90220	0.14420	2.53644	0.18352
85.0000E 3	4.7677	0.29000	0.0	1.98327	0.07960	2.90290	0.14410	2.53728	0.18853
90.0000E 3	4.7105	0.29900	0.0	1.99212	0.08530	2.90350	0.14400	2.53802	0.19335
95.0000E 3	4.6565	0.30600	0.0	2.01041	0.09090	2.90420	0.14390	2.53886	0.19798
100.0000E 3	4.6052	0.31300	0.0	2.01726	0.09600	2.90480	0.14380	2.53960	0.20245
110.0000E 3	4.5099	0.32800	0.0	2.04340	0.10570	2.90610	0.14360	2.54119	0.21091
120.0000E 3	4.4228	0.34200	0.0	2.06853	0.11530	2.90740	0.14340	2.54277	0.21881
130.0000E 3	4.3428	0.35600	0.0	2.08223	0.12410	2.90870	0.14320	2.54435	0.22622
140.0000E 3	4.2687	0.36900	0.0	2.10636	0.13290	2.90990	0.14300	2.54584	0.23319
150.0000E 3	4.1997	0.38200	0.0	2.11906	0.14090	2.91120	0.14280	2.54743	0.23975
160.0000E 3	4.1352	0.39400	0.0	2.14218	0.14890	2.91250	0.14260	2.54901	0.24595
170.0000E 3	4.0745	0.40600	0.0	2.15387	0.15620	2.91380	0.14240	2.55060	0.25182
180.0000E 3	4.0174	0.41800	0.0	2.17345	0.16350	2.91510	0.13990	2.55733	0.25738
190.0000E 3	3.9633	0.42900	0.0	2.17705	0.17030	2.91640	0.13510	2.56929	0.26266
200.0000E 3	3.9120	0.44000	0.0	2.18066	0.17700	2.91770	0.13030	2.58135	0.26767
210.0000E 3	3.8632	0.45000	0.0	2.18327	0.18350	2.91890	0.12550	2.59343	0.27243
220.0000E 3	3.8167	0.45900	0.0	2.19609	0.18990	2.92020	0.12070	2.60569	0.27696
230.0000E 3	3.7723	0.46900	0.0	2.19865	0.19620	2.92150	0.11590	2.61807	0.28128
240.0000E 3	3.7297	0.47700	0.0	2.19921	0.20240	2.92280	0.11110	2.63055	0.28539

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
250.0000E 3	3.6889	10.05000	7.84924	8.41029	0.16477	1.55000	0.0	0.0	1.71477
260.0000E 3	3.6497	10.00000	7.79387	8.32120	0.16213	1.55000	0.0	0.0	1.71213
270.0000E 3	3.6119	9.92000	7.70951	8.21003	0.15950	1.55000	0.0	0.0	1.70950
280.0000E 3	3.5756	9.85000	7.63414	8.10789	0.15686	1.55000	0.0	0.0	1.70686
290.0000E 3	3.5405	9.78000	7.55878	8.00671	0.15423	1.55000	0.0	0.0	1.70423
300.0000E 3	3.5066	9.70000	7.46541	7.90084	0.15159	1.55000	0.0	0.0	1.70159
320.0000E 3	3.4420	9.60000	7.33124	7.75986	0.14976	1.56000	0.0	0.0	1.70976
340.0000E 3	3.3814	9.42000	7.12789	7.56033	0.14711	1.56000	0.0	0.0	1.70711
360.0000E 3	3.3242	9.31000	6.99354	7.42034	0.14446	1.56000	0.0	0.0	1.70446
380.0000E 3	3.2702	9.20000	6.86220	7.28339	0.14180	1.56000	0.0	0.0	1.70180
400.0000E 3	3.2189	9.11000	6.74985	7.16267	0.13915	1.56000	0.0	0.0	1.69915
450.0000E 3	3.1011	8.87000	6.47036	6.87066	0.12964	1.56000	0.0	0.0	1.68964
500.0000E 3	2.9957	8.66000	6.23088	6.60630	0.12012	1.56000	0.0	0.0	1.68012
550.0000E 3	2.9004	8.46000	6.00069	6.37416	0.11131	1.57000	0.0	0.0	1.68131
600.0000E 3	2.8134	8.28000	5.80262	6.16959	0.10238	1.58000	0.0	0.0	1.68238
650.0000E 3	2.7334	8.10000	5.61614	5.97429	0.09286	1.59000	0.0	0.0	1.68286
700.0000E 3	2.6593	7.93000	5.42928	5.80064	0.08372	1.61000	0.0	0.0	1.69372
750.0000E 3	2.5903	7.76000	5.24351	5.63533	0.07449	1.63000	0.0	0.0	1.70449
800.0000E 3	2.5257	7.61000	5.07237	5.49482	0.06963	1.65000	0.0	0.0	1.71963
850.0000E 3	2.4651	7.50000	4.95259	5.38425	0.06441	1.66000	0.0	0.0	1.72441

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
250.0000E 3	3.6889	0.48600	0.0	2.20077	0.20890	2.92410	0.10630	2.64313	0.28931
260.0000E 3	3.6497	0.49400	0.0	2.20613	0.21540	2.92540	0.10460	2.64838	0.29305
270.0000E 3	3.6119	0.50100	0.0	2.21050	0.22180	2.92670	0.10290	2.65364	0.29661
280.0000E 3	3.5756	0.50900	0.0	2.21586	0.22820	2.92800	0.10120	2.65892	0.30001
290.0000E 3	3.5405	0.51700	0.0	2.22123	0.23460	2.92930	0.09950	2.66421	0.30326
300.0000E 3	3.5066	0.53300	0.0	2.23459	0.24100	2.93050	0.09780	2.66943	0.30636
320.0000E 3	3.4420	0.55900	0.0	2.26876	0.25100	2.93310	0.09600	2.67619	0.31213
340.0000E 3	3.3814	0.58500	0.0	2.29211	0.26090	2.93570	0.09430	2.68272	0.31739
360.0000E 3	3.3242	0.61200	0.0	2.31646	0.27020	2.93830	0.09260	2.68927	0.32217
380.0000E 3	3.2702	0.63600	0.0	2.33780	0.27930	2.94090	0.09090	2.69585	0.32651
400.0000E 3	3.2189	0.66100	0.0	2.36015	0.28850	2.94350	0.08920	2.70244	0.33045
450.0000E 3	3.1011	0.71000	0.0	2.39964	0.30900	2.94990	0.08310	2.72357	0.33871
500.0000E 3	2.9957	0.74900	0.0	2.42912	0.32960	2.95640	0.07700	2.74503	0.34499
550.0000E 3	2.9004	0.77800	0.0	2.45931	0.34760	2.96290	0.07090	2.76674	0.34960
600.0000E 3	2.8134	0.79500	0.0	2.47738	0.36370	2.96940	0.06480	2.78869	0.35277
650.0000E 3	2.7334	0.80100	0.0	2.48386	0.37850	2.97590	0.05840	2.81170	0.35469
700.0000E 3	2.6593	0.80700	0.0	2.50072	0.39220	2.98240	0.05200	2.83498	0.35554
750.0000E 3	2.5903	0.81200	0.0	2.51649	0.40520	2.98900	0.04570	2.85837	0.35545
800.0000E 3	2.5257	0.81800	0.0	2.53763	0.41700	2.99550	0.04220	2.87421	0.35454
850.0000E 3	2.4651	0.82300	0.0	2.54741	0.42720	3.00200	0.03880	2.88987	0.35291

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
900.0000E 3	2.4079	7.42000	4.85153	5.30328	0.05947	1.68000	0.0	0.0	1.73947
950.0000E 3	2.3539	7.35000	4.76330	5.23033	0.05270	1.70000	0.0	0.0	1.75270
1.0000E 6	2.3026	7.29000	4.68408	5.15875	0.04592	1.72000	0.0	0.0	1.76592
1.2000E 6	2.1203	7.12000	4.41653	4.82782	0.03347	1.79000	0.0	0.0	1.82347
1.4000E 6	1.9661	7.01000	4.18454	4.60640	0.02846	1.86000	0.0	0.0	1.88846
1.6000E 6	1.8326	7.00000	4.07155	4.50536	0.02445	1.91000	0.0	0.0	1.93445
1.8000E 6	1.7148	7.12000	4.10766	4.64678	0.02134	1.94000	0.0	0.0	1.96134
2.0000E 6	1.6094	7.34000	4.25358	4.97927	0.01842	1.96000	0.0	0.0	1.97842
2.2000E 6	1.5141	7.52000	4.36145	5.08369	0.01655	1.97000	0.0	0.0	1.98655
2.4000E 6	1.4271	7.67000	4.44015	5.15332	0.01485	1.98000	0.0	0.0	1.99485
2.6000E 6	1.3471	7.82000	4.52934	5.07296	0.01366	1.98000	0.0	0.0	1.99366
2.8000E 6	1.2730	7.95000	4.59853	4.90486	0.01247	1.98000	0.0	0.0	1.99247
3.0000E 6	1.2040	8.00000	4.58752	4.70662	0.01148	1.98000	0.0	0.0	1.99148
3.2000E 6	1.1394	8.00000	4.53536	4.71957	0.01064	1.97000	0.0	0.0	1.98064
3.4000E 6	1.0788	8.00000	4.48281	4.73338	0.01019	1.96000	0.0	0.0	1.97019
3.6000E 6	1.0217	7.99000	4.43249	4.73655	0.00951	1.94000	0.0	0.0	1.94951
3.8000E 6	0.9676	7.98000	4.41098	4.71852	0.00902	1.92000	0.0	0.0	1.92902
4.0000E 6	0.9163	7.96000	4.39945	4.68329	0.00855	1.90000	0.0	0.0	1.90855
4.2000E 6	0.8675	7.94000	4.38810	4.65155	0.00790	1.88000	0.0	0.0	1.88790
4.4000E 6	0.8210	7.92000	4.39756	4.60468	0.00744	1.86000	0.0	0.0	1.86744

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
900.0000E 3	2.4079	0.82900	0.0	2.56847	0.43630	3.00860	0.03540	2.90574	0.35065
950.0000E 3	2.3539	0.83400	0.0	2.58670	0.44500	3.01510	0.03100	2.92444	0.34784
1.0000E 6	2.3026	0.84000	0.0	2.60592	0.45500	3.02170	0.02670	2.94312	0.34455
1.2000E 6	2.1203	0.88000	0.0	2.70347	0.51900	3.04800	0.01870	2.99205	0.32765
1.4000E 6	1.9661	0.93700	0.0	2.82546	0.57440	3.07450	0.01530	3.02817	0.30687
1.6000E 6	1.8326	0.99400	0.0	2.92845	0.61270	3.10110	0.01280	3.06191	0.28414
1.8000E 6	1.7148	1.05100	0.0	3.01234	0.60210	3.12780	0.01100	3.09377	0.26075
2.0000E 6	1.6094	1.10800	0.0	3.08642	0.55500	3.15460	0.00940	3.12522	0.23757
2.2000E 6	1.5141	1.17200	0.0	3.15855	0.55860	3.18150	0.00840	3.15500	0.21516
2.4000E 6	1.4271	1.23500	0.0	3.22985	0.56680	3.20850	0.00750	3.18462	0.19388
2.6000E 6	1.3471	1.29700	0.0	3.29066	0.60650	3.23560	0.00690	3.21343	0.17395
2.8000E 6	1.2730	1.35900	0.0	3.35147	0.66220	3.26280	0.00630	3.24237	0.15548
3.0000E 6	1.2040	1.42100	0.0	3.41248	0.71790	3.29000	0.00580	3.27103	0.13851
3.2000E 6	1.1394	1.48400	0.0	3.46464	0.72330	3.31740	0.00540	3.29958	0.12303
3.4000E 6	1.0788	1.54700	0.0	3.51719	0.72870	3.34480	0.00520	3.32750	0.10898
3.6000E 6	1.0217	1.60800	0.0	3.55751	0.73400	3.37230	0.00490	3.35586	0.09631
3.8000E 6	0.9676	1.64000	0.0	3.56902	0.73940	3.39990	0.00470	3.38400	0.08492
4.0000E 6	0.9163	1.65200	0.0	3.56055	0.74480	3.42750	0.00450	3.41215	0.07473
4.2000E 6	0.8675	1.66400	0.0	3.55190	0.74940	3.45520	0.00420	3.44075	0.06564
4.4000E 6	0.8210	1.65500	0.0	3.52244	0.75390	3.48290	0.00400	3.46902	0.05756

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
4.6000E 6	0.7765	7.91000	4.41701	4.56058	0.00699	1.84000	0.0	0.0	1.84699
4.8000E 6	0.7340	7.89000	4.41641	4.52116	0.00659	1.83000	0.0	0.0	1.83659
5.0000E 6	0.6931	7.86000	4.40578	4.47989	0.00622	1.83000	0.0	0.0	1.83622
5.2000E 6	0.6539	7.82000	4.40518	4.42009	0.00582	1.82000	0.0	0.0	1.82582
5.4000E 6	0.6162	7.78000	4.41436	4.35358	0.00564	1.82000	0.0	0.0	1.82564
5.6000E 6	0.5798	7.74000	4.42472	4.28518	0.00528	1.82000	0.0	0.0	1.82528
5.8000E 6	0.5447	7.70000	4.39788	4.24679	0.00512	1.83000	0.0	0.0	1.83512
6.0000E 6	0.5108	7.62000	4.34722	4.18700	0.00478	1.84000	0.0	0.0	1.84478
6.2000E 6	0.4780	7.52000	4.15132	4.22344	0.00468	1.95000	0.0	0.0	1.95468
6.4000E 6	0.4463	7.40000	4.01162	4.19632	0.00438	1.99000	0.0	0.0	1.99438
6.6000E 6	0.4155	7.30000	3.93096	4.14344	0.00404	2.02000	0.0	0.0	2.02404
6.8000E 6	0.3857	7.20000	3.80809	4.12535	0.00391	2.06000	0.0	0.0	2.06391
7.0000E 6	0.3567	7.10000	3.67941	4.11305	0.00359	2.11000	0.0	0.0	2.11359
7.2000E 6	0.3285	7.00000	3.57156	4.08882	0.00344	2.15000	0.0	0.0	2.15344
7.4000E 6	0.3011	6.90000	3.47772	4.05558	0.00329	2.19000	0.0	0.0	2.19329
7.6000E 6	0.2744	6.80000	3.37786	4.02846	0.00314	2.24000	0.0	0.0	2.24314
7.8000E 6	0.2485	6.70000	3.29202	3.99165	0.00298	2.29000	0.0	0.0	2.29298
8.0000E 6	0.2231	6.60000	3.19395	3.96595	0.00306	2.35000	0.0	0.0	2.35306
8.2000E 6	0.1985	6.53000	3.14413	3.93169	0.00287	2.39000	0.0	0.0	2.39287
8.4000E 6	0.1744	6.47000	3.11134	3.89381	0.00266	2.42000	0.0	0.0	2.42266

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
4.6000E 6	0.7765	1.64600	0.0	3.49299	0.75830	3.51060	0.00380	3.49731	0.05039
4.8000E 6	0.7340	1.63700	0.0	3.47359	0.76280	3.53850	0.00360	3.52581	0.04405
5.0000E 6	0.6931	1.61800	0.0	3.45422	0.76720	3.56630	0.00340	3.55422	0.03845
5.2000E 6	0.6539	1.58900	0.0	3.41482	0.77180	3.59420	0.00320	3.58274	0.03352
5.4000E 6	0.6162	1.54000	0.0	3.36564	0.77620	3.62210	0.00310	3.61091	0.02919
5.6000E 6	0.5798	1.49000	0.0	3.31528	0.78080	3.65000	0.00290	3.63945	0.02539
5.8000E 6	0.5447	1.42500	0.04200	3.30212	0.78520	3.67790	0.00280	3.66763	0.02206
6.0000E 6	0.5108	1.28800	0.14000	3.27278	0.78970	3.70590	0.00260	3.69629	0.01915
6.2000E 6	0.4780	1.09600	0.31800	3.36868	0.79410	3.73390	0.00240	3.72496	0.01660
6.4000E 6	0.4463	0.89400	0.50000	3.38838	0.79860	3.76180	0.00220	3.75354	0.01438
6.6000E 6	0.4155	0.72500	0.62000	3.36904	0.80300	3.78980	0.00200	3.78224	0.01245
6.8000E 6	0.3857	0.63800	0.69000	3.39191	0.80740	3.81770	0.00190	3.81046	0.01076
7.0000E 6	0.3567	0.57200	0.73500	3.42059	0.81180	3.84570	0.00170	3.83917	0.00930
7.2000E 6	0.3285	0.51100	0.76400	3.42844	0.81510	3.87360	0.00160	3.86741	0.00803
7.4000E 6	0.3011	0.44900	0.78000	3.42229	0.81790	3.90150	0.00150	3.89566	0.00693
7.6000E 6	0.2744	0.40100	0.77800	3.42214	0.82050	3.92940	0.00140	3.92391	0.00597
7.8000E 6	0.2485	0.35000	0.76500	3.40798	0.82270	3.95720	0.00130	3.95206	0.00515
8.0000E 6	0.2231	0.30800	0.74500	3.40606	0.82470	3.98500	0.00130	3.97983	0.00443
8.2000E 6	0.1985	0.27100	0.72200	3.38587	0.82640	4.01280	0.00120	4.00799	0.00381
8.4000E 6	0.1744	0.24100	0.69500	3.35866	0.82800	4.04050	0.00110	4.03606	0.00328

E	U	SGT	SGN	SGTR	SGG	SGF	SGP	SGALP	SGA
8.6000E 6	0.1508	6.42000	3.10834	3.84257	0.00266	2.42000	0.0	0.0	2.42266
8.8000E 6	0.1278	6.38000	3.09957	3.80674	0.00243	2.43000	0.0	0.0	2.43243
9.0000E 6	0.1054	6.33000	3.08264	3.76832	0.00236	2.43000	0.0	0.0	2.43236
9.2000E 6	0.0834	6.29000	3.07975	3.72857	0.00225	2.42000	0.0	0.0	2.42225
9.4000E 6	0.0619	6.26000	3.08286	3.69414	0.00214	2.41000	0.0	0.0	2.41214
9.6000E 6	0.0408	6.22000	3.06495	3.66781	0.00205	2.41000	0.0	0.0	2.41205
9.8000E 6	0.0202	6.18000	3.03604	3.65098	0.00196	2.42000	0.0	0.0	2.42196
10.0000E 6	0.0000	6.15000	3.01813	3.63530	0.00187	2.43000	0.0	0.0	2.43187

E	U	SGI	SG2N	SGX	MUEL	NUE	ALPHA	ETA	CHIF
8.6000E 6	0.1508	0.22100	0.66800	3.31166	0.82920	4.06820	0.00110	4.06373	0.00282
8.8000E 6	0.1278	0.20900	0.63900	3.28043	0.83020	4.09580	0.00100	4.09171	0.00242
9.0000E 6	0.1054	0.20000	0.61500	3.24736	0.83100	4.12340	0.00097	4.11940	0.00208
9.2000E 6	0.0834	0.19300	0.59500	3.21025	0.83170	4.15090	0.00093	4.14704	0.00178
9.4000E 6	0.0619	0.18700	0.57800	3.17714	0.83230	4.17830	0.00089	4.17458	0.00153
9.6000E 6	0.0408	0.18200	0.56100	3.15505	0.83270	4.20560	0.00085	4.20203	0.00131
9.8000E 6	0.0202	0.17800	0.54400	3.14396	0.83300	4.23290	0.00081	4.22947	0.00112
10.0000E 6	0.0000	0.17500	0.52500	3.13187	0.83320	4.26010	0.00077	4.25682	0.00096

Neutron inelastic excitation cross sections

INELASTIC EXCITATION CROSS SECTIONS FOR C 12

E	U	4.430
4.4000E 6	0.8210	0.0
4.5000E 6	0.7985	0.0
4.6000E 6	0.7765	0.0
4.7000E 6	0.7550	0.0
4.8000E 6	0.7340	0.00100
4.8500E 6	0.7236	0.00800
4.8800E 6	0.7174	0.01500
4.9000E 6	0.7133	0.02200
4.9200E 6	0.7093	0.02800
4.9300E 6	0.7072	0.03200
4.9400E 6	0.7052	0.03500
4.9600E 6	0.7012	0.04200
4.9800E 6	0.6972	0.04700
5.0000E 6	0.6931	0.04800
5.0500E 6	0.6832	0.04600
5.1000E 6	0.6733	0.03800
5.1500E 6	0.6636	0.03200
5.2000E 6	0.6539	0.03600
5.2500E 6	0.6444	0.05000
5.3000E 6	0.6349	0.06600
5.3200E 6	0.6311	0.07300
5.3400E 6	0.6274	0.07900
5.3600E 6	0.6236	0.08700
5.3800E 6	0.6199	0.09500
5.4000E 6	0.6162	0.10000
5.4200E 6	0.6125	0.10100
5.4500E 6	0.6070	0.10200
5.5000E 6	0.5978	0.10200
5.6000E 6	0.5798	0.11400
5.7000E 6	0.5621	0.14000
5.8000E 6	0.5447	0.17300
5.9000E 6	0.5276	0.20400
6.0000E 6	0.5108	0.22200
6.0500E 6	0.5025	0.22800
6.1000E 6	0.4943	0.23600
6.1500E 6	0.4861	0.25900
6.2000E 6	0.4780	0.28600
6.2200E 6	0.4748	0.30800
6.2400E 6	0.4716	0.33200
6.2600E 6	0.4684	0.35500

INELASTIC EXCITATION CROSS SECTIONS FOR C 12

E	U	4.430
6.2700E 6	0.4668	0.36700
6.2800E 6	0.4652	0.38000
6.3000E 6	0.4620	0.40300
6.3200E 6	0.4589	0.42700
6.3500E 6	0.4541	0.45000
6.4000E 6	0.4463	0.33800
6.4500E 6	0.4385	0.29900
6.5000E 6	0.4308	0.30000
6.5200E 6	0.4277	0.32700
6.5400E 6	0.4246	0.34900
6.5600E 6	0.4216	0.34900
6.5700E 6	0.4201	0.34000
6.5800E 6	0.4186	0.32400
6.6000E 6	0.4155	0.29400
6.6200E 6	0.4125	0.28000
6.6500E 6	0.4080	0.26100
6.7000E 6	0.4005	0.23600
6.8000E 6	0.3857	0.19800
6.9000E 6	0.3711	0.19000
7.0000E 6	0.3567	0.19200
7.1000E 6	0.3425	0.18800
7.1500E 6	0.3355	0.19100
7.2000E 6	0.3285	0.19900
7.2500E 6	0.3216	0.22100
7.3000E 6	0.3147	0.25200
7.3500E 6	0.3079	0.30000
7.4000E 6	0.3011	0.33600
7.4500E 6	0.2944	0.35500
7.5000E 6	0.2877	0.36200
7.5500E 6	0.2810	0.35500
7.6000E 6	0.2744	0.34000
7.6500E 6	0.2679	0.32400
7.6800E 6	0.2640	0.33200
7.7000E 6	0.2614	0.35000
7.7200E 6	0.2588	0.38600
7.7300E 6	0.2575	0.40400
7.7400E 6	0.2562	0.42100
7.7600E 6	0.2536	0.45700
7.7800E 6	0.2510	0.49300
7.8000E 6	0.2485	0.51600

INELASTIC EXCITATION CROSS SECTIONS FOR C 12

E	U	4.430	7.650
7.8500E 6	0.2421	0.50000	0.0
7.9000E 6	0.2357	0.47300	0.0
7.9500E 6	0.2294	0.45700	0.0
8.0000E 6	0.2231	0.45400	0.0
8.0500E 6	0.2169	0.50100	0.0
8.1000E 6	0.2107	0.54800	0.0
8.1500E 6	0.2046	0.55900	0.0
8.2000E 6	0.1985	0.53400	0.0
8.2500E 6	0.1924	0.44600	0.0
8.3000E 6	0.1863	0.35600	0.0
8.3500E 6	0.1803	0.31600	0.0
8.4000E 6	0.1744	0.30400	0.00100
8.5000E 6	0.1625	0.29300	0.00100
8.6000E 6	0.1508	0.28700	0.00200
8.7000E 6	0.1393	0.28400	0.00300
8.8000E 6	0.1278	0.28400	0.00300
8.9000E 6	0.1165	0.29200	0.00400
9.0000E 6	0.1054	0.31900	0.00500
9.1000E 6	0.0943	0.33700	0.00600
9.1500E 6	0.0888	0.34300	0.00600
9.2000E 6	0.0834	0.34700	0.00700
9.2500E 6	0.0780	0.35000	0.00700
9.3000E 6	0.0726	0.35100	0.00800
9.3500E 6	0.0672	0.35100	0.00800
9.4000E 6	0.0619	0.34800	0.00900
9.5000E 6	0.0513	0.33500	0.01000
9.6000E 6	0.0408	0.30000	0.01100
9.7000E 6	0.0305	0.26400	0.01300
9.8000E 6	0.0202	0.25100	0.01400
9.9000E 6	0.0101	0.24400	0.01500
10.0000E 6	0.0000	0.24100	0.01700

INELASTIC EXCITATION CROSS SECTIONS FOR O 16

E	U	6.065	6.140
6.0500E 6	0.5025	0.0	0.0
6.0800E 6	0.4976	0.0	0.0
6.1000E 6	0.4943	0.0	0.0
6.1500E 6	0.4861	0.0	0.0
6.2000E 6	0.4780	0.0	0.0
6.2500E 6	0.4700	0.0	0.0
6.3000E 6	0.4620	0.0	0.0
6.3500E 6	0.4541	0.0	0.0
6.3800E 6	0.4494	0.0	0.0
6.3900E 6	0.4479	0.0	0.0
6.4000E 6	0.4463	0.0	0.0
6.4200E 6	0.4432	0.0	0.0
6.4400E 6	0.4401	0.0	0.0
6.4500E 6	0.4385	0.0	0.0
6.4800E 6	0.4339	0.0	0.0
6.5000E 6	0.4308	0.0	0.0
6.5400E 6	0.4246	0.0	0.0
6.5500E 6	0.4231	0.0	0.00200
6.5900E 6	0.4170	0.0	0.00400
6.6000E 6	0.4155	0.0	0.00500
6.6200E 6	0.4125	0.00100	0.00700
6.6500E 6	0.4080	0.00100	0.01000
6.7000E 6	0.4005	0.00200	0.01800
6.7500E 6	0.3930	0.00300	0.03200
6.7600E 6	0.3916	0.00400	0.03700
6.7900E 6	0.3871	0.00900	0.08500
6.8000E 6	0.3857	0.01000	0.10200
6.8300E 6	0.3813	0.01200	0.11600
6.8500E 6	0.3783	0.01200	0.11500
6.8600E 6	0.3769	0.01100	0.11100
6.9000E 6	0.3711	0.00400	0.04100
6.9200E 6	0.3682	0.00300	0.03000
6.9500E 6	0.3638	0.00300	0.02600
6.9600E 6	0.3624	0.00300	0.02600
7.0000E 6	0.3567	0.00500	0.04600
7.0400E 6	0.3510	0.00700	0.06300
7.0700E 6	0.3467	0.00800	0.07600
7.1000E 6	0.3425	0.00800	0.07700
7.1100E 6	0.3411	0.00800	0.07600
7.1400E 6	0.3369	0.00700	0.06700

INELASTIC EXCITATION CROSS SECTIONS FOR O 16

E	U	6.065	6.140	6.910	7.120
7.1500E 6	0.3355	0.00700	0.06900	0.0	0.0
7.1800E 6	0.3313	0.01000	0.10100	0.0	0.0
7.2000E 6	0.3285	0.01200	0.12300	0.0	0.0
7.2200E 6	0.3257	0.01200	0.12100	0.0	0.0
7.2400E 6	0.3230	0.01200	0.11800	0.0	0.0
7.3000E 6	0.3147	0.01600	0.15600	0.0	0.0
7.3200E 6	0.3120	0.01700	0.16900	0.0	0.0
7.3700E 6	0.3052	0.02000	0.20000	0.00100	0.0
7.3800E 6	0.3038	0.02100	0.20500	0.00200	0.0
7.4000E 6	0.3011	0.02200	0.21700	0.00300	0.0
7.4100E 6	0.2998	0.02200	0.21200	0.00400	0.0
7.4500E 6	0.2944	0.02000	0.19500	0.00600	0.0
7.4700E 6	0.2917	0.02000	0.18700	0.00700	0.0
7.5000E 6	0.2877	0.01900	0.18200	0.00900	0.0
7.5500E 6	0.2810	0.01900	0.17400	0.01200	0.0
7.6000E 6	0.2744	0.01900	0.17100	0.01200	0.00300
7.6500E 6	0.2679	0.01900	0.17000	0.01400	0.00400
7.7000E 6	0.2614	0.02100	0.18800	0.01700	0.00500
7.8000E 6	0.2485	0.03000	0.27100	0.02200	0.00600
7.8100E 6	0.2472	0.03000	0.27500	0.02200	0.00600
7.8700E 6	0.2395	0.03200	0.29200	0.02500	0.00700
7.9000E 6	0.2357	0.03200	0.29000	0.02700	0.00700
7.9300E 6	0.2319	0.03200	0.27800	0.02600	0.00700
7.9700E 6	0.2269	0.02500	0.22100	0.02000	0.00600
8.0000E 6	0.2231	0.01700	0.15200	0.01700	0.00500
8.0500E 6	0.2169	0.01500	0.12600	0.01600	0.00500
8.1000E 6	0.2107	0.01700	0.14200	0.01900	0.00600
8.2000E 6	0.1985	0.02600	0.22700	0.02600	0.00700
8.3000E 6	0.1863	0.03200	0.28800	0.02700	0.00800
8.3500E 6	0.1803	0.03400	0.29500	0.03300	0.01000
8.4000E 6	0.1744	0.03300	0.28900	0.03500	0.01000
8.5000E 6	0.1625	0.03400	0.28900	0.04100	0.01200
8.5100E 6	0.1613	0.03400	0.28900	0.04100	0.01200
8.5400E 6	0.1578	0.03400	0.28600	0.04200	0.01200
8.6000E 6	0.1508	0.03200	0.26700	0.04000	0.01100
8.6700E 6	0.1427	0.03000	0.25600	0.03400	0.01000
8.7000E 6	0.1393	0.02900	0.25300	0.03200	0.00900
8.7500E 6	0.1335	0.03000	0.25800	0.02900	0.00800
8.8000E 6	0.1278	0.03200	0.27400	0.03400	0.01000
8.8400E 6	0.1233	0.03400	0.28800	0.03700	0.01100

INELASTIC EXCITATION CROSS SECTIONS FOR O 16

E	U	6.065	6.140	6.910	7.120
8.9000E 6	0.1165	0.03200	0.27100	0.03400	0.01000
8.9500E 6	0.1109	0.03000	0.25900	0.03200	0.00900
9.0000E 6	0.1054	0.03100	0.26400	0.03600	0.01000
9.0500E 6	0.0998	0.03500	0.29400	0.04200	0.01200
9.1000E 6	0.0943	0.03900	0.32400	0.04700	0.01400
9.1600E 6	0.0877	0.03500	0.30600	0.03200	0.00900
9.2000E 6	0.0834	0.03400	0.29300	0.03500	0.01000
9.3000E 6	0.0726	0.03100	0.26300	0.03900	0.01100
9.3400E 6	0.0683	0.03200	0.26300	0.04100	0.01200
9.4000E 6	0.0619	0.02800	0.22700	0.04400	0.01300
9.4100E 6	0.0608	0.02800	0.22500	0.04500	0.01300
9.4500E 6	0.0566	0.02800	0.21800	0.04600	0.01300
9.5000E 6	0.0513	0.02800	0.21700	0.04900	0.01400
9.6000E 6	0.0408	0.02900	0.22000	0.05200	0.01500
9.7000E 6	0.0305	0.03000	0.23300	0.05400	0.01500
9.8000E 6	0.0202	0.03200	0.25300	0.05500	0.01600
9.8500E 6	0.0151	0.03400	0.27000	0.05600	0.01600
9.8900E 6	0.0111	0.03500	0.28500	0.05600	0.01600
9.9000E 6	0.0101	0.03600	0.28700	0.05700	0.01600
10.0000E 6	0.0000	0.03700	0.29600	0.05800	0.01600

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439
435.0000E 3	3.1350	0.0
440.0000E 3	3.1236	0.0
445.0000E 3	3.1123	0.0
451.0000E 3	3.0989	0.0
460.0000E 3	3.0791	0.0
470.0000E 3	3.0576	0.00800
475.0000E 3	3.0470	0.01000
480.0000E 3	3.0366	0.01300
490.0000E 3	3.0159	0.01800
500.0000E 3	2.9957	0.02500
510.0000E 3	2.9759	0.03200
520.0000E 3	2.9565	0.04200
530.0000E 3	2.9375	0.05200
542.0000E 3	2.9151	0.06100
545.0000E 3	2.9096	0.06500
550.0000E 3	2.9004	0.07000
560.0000E 3	2.8824	0.08200
570.0000E 3	2.8647	0.09700
575.0000E 3	2.8560	0.10500
580.0000E 3	2.8473	0.11300
590.0000E 3	2.8302	0.12800
600.0000E 3	2.8134	0.14300
602.0000E 3	2.8101	0.14600
605.0000E 3	2.8051	0.15100
610.0000E 3	2.7969	0.15800
615.0000E 3	2.7887	0.16800
620.0000E 3	2.7806	0.17700
625.0000E 3	2.7726	0.19000
630.0000E 3	2.7646	0.20200
635.0000E 3	2.7567	0.21400
640.0000E 3	2.7489	0.22500
650.0000E 3	2.7334	0.24900
660.0000E 3	2.7181	0.26900
670.0000E 3	2.7031	0.29500
680.0000E 3	2.6882	0.32500
690.0000E 3	2.6736	0.34500
700.0000E 3	2.6593	0.36600
710.0000E 3	2.6451	0.38400
720.0000E 3	2.6311	0.40200
730.0000E 3	2.6173	0.41200

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439
740.0000E 3	2.6037	0.41500
750.0000E 3	2.5903	0.41000
755.0000E 3	2.5836	0.40800
760.0000E 3	2.5770	0.40500
765.0000E 3	2.5705	0.40200
770.0000E 3	2.5639	0.39800
775.0000E 3	2.5575	0.39600
780.0000E 3	2.5510	0.39300
784.0000E 3	2.5459	0.39100
790.0000E 3	2.5383	0.38900
795.0000E 3	2.5320	0.38700
800.0000E 3	2.5257	0.38400
810.0000E 3	2.5133	0.37800
820.0000E 3	2.5010	0.37300
830.0000E 3	2.4889	0.36900
840.0000E 3	2.4769	0.36500
850.0000E 3	2.4651	0.36200
860.0000E 3	2.4534	0.35900
870.0000E 3	2.4418	0.35600
880.0000E 3	2.4304	0.35400
890.0000E 3	2.4191	0.35300
900.0000E 3	2.4079	0.35200
910.0000E 3	2.3969	0.35300
914.0000E 3	2.3925	0.35400
920.0000E 3	2.3860	0.35500
930.0000E 3	2.3752	0.35600
940.0000E 3	2.3645	0.35700
950.0000E 3	2.3539	0.35800
960.0000E 3	2.3434	0.35900
970.0000E 3	2.3330	0.36200
980.0000E 3	2.3228	0.36800
988.0000E 3	2.3147	0.38200
1.0000E 6	2.3026	0.41000
1.0100E 6	2.2926	0.45200
1.0200E 6	2.2828	0.48700
1.0300E 6	2.2730	0.52200
1.0400E 6	2.2634	0.55800
1.0500E 6	2.2538	0.60300
1.0600E 6	2.2443	0.67000
1.0700E 6	2.2349	0.67700

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439
1.0800E 6	2.2256	0.67900
1.0900E 6	2.2164	0.65000
1.1000E 6	2.2073	0.61500
1.1100E 6	2.1982	0.57800
1.1200E 6	2.1893	0.56100
1.1300E 6	2.1804	0.55900
1.1400E 6	2.1716	0.56100
1.1500E 6	2.1628	0.56500
1.1600E 6	2.1542	0.57600
1.1700E 6	2.1456	0.59000
1.1800E 6	2.1371	0.60500
1.1900E 6	2.1286	0.62000
1.2000E 6	2.1203	0.63500
1.2100E 6	2.1120	0.65000
1.2200E 6	2.1037	0.66500
1.2300E 6	2.0956	0.68000
1.2400E 6	2.0875	0.69300
1.2500E 6	2.0794	0.70000
1.2600E 6	2.0715	0.70600
1.2700E 6	2.0636	0.70800
1.2800E 6	2.0557	0.70500
1.2900E 6	2.0479	0.59500
1.3000E 6	2.0402	0.55400
1.3100E 6	2.0326	0.51500
1.3200E 6	2.0250	0.47500
1.3300E 6	2.0174	0.43500
1.3400E 6	2.0099	0.39800
1.3500E 6	2.0025	0.39200
1.3600E 6	1.9951	0.38700
1.3700E 6	1.9878	0.38300
1.3800E 6	1.9805	0.38100
1.3900E 6	1.9733	0.38000
1.4000E 6	1.9661	0.38000
1.4100E 6	1.9590	0.38000
1.4200E 6	1.9519	0.38000
1.4300E 6	1.9449	0.38100
1.4400E 6	1.9379	0.38300
1.4500E 6	1.9310	0.38500
1.4600E 6	1.9241	0.38800
1.4700E 6	1.9173	0.39100

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439
1.4800E 6	1.9105	0.39400
1.4900E 6	1.9038	0.39700
1.5000E 6	1.8971	0.40100
1.5100E 6	1.8905	0.40400
1.5200E 6	1.8839	0.40700
1.5300E 6	1.8773	0.41100
1.5400E 6	1.8708	0.41500
1.5500E 6	1.8643	0.41900
1.5600E 6	1.8579	0.42300
1.5700E 6	1.8515	0.42700
1.5800E 6	1.8452	0.43100
1.5900E 6	1.8389	0.43500
1.6000E 6	1.8326	0.43900
1.6100E 6	1.8264	0.44400
1.6200E 6	1.8202	0.45100
1.6300E 6	1.8140	0.46300
1.6400E 6	1.8079	0.49600
1.6500E 6	1.8018	0.52500
1.6600E 6	1.7958	0.54000
1.6700E 6	1.7898	0.54800
1.6800E 6	1.7838	0.55300
1.6900E 6	1.7779	0.55700
1.7000E 6	1.7720	0.56000
1.7100E 6	1.7661	0.56300
1.7200E 6	1.7603	0.56800
1.7300E 6	1.7545	0.57500
1.7400E 6	1.7487	0.59700
1.7500E 6	1.7430	0.61900
1.7600E 6	1.7373	0.64300
1.7700E 6	1.7316	0.66000
1.7800E 6	1.7260	0.66900
1.7900E 6	1.7204	0.67600
1.8000E 6	1.7148	0.67900
1.8100E 6	1.7093	0.68000
1.8200E 6	1.7037	0.68100
1.8300E 6	1.6983	0.67700
1.8400E 6	1.6928	0.67100
1.8500E 6	1.6874	0.66000
1.8600E 6	1.6820	0.64300
1.8700E 6	1.6766	0.61000

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078
1.8800E 6	1.6713	0.57900	0.0
1.8900E 6	1.6660	0.56200	0.0
1.9000E 6	1.6607	0.55100	0.0
1.9100E 6	1.6555	0.54700	0.0
1.9200E 6	1.6503	0.54600	0.0
1.9300E 6	1.6451	0.55200	0.0
1.9400E 6	1.6399	0.58300	0.0
1.9500E 6	1.6348	0.61700	0.0
1.9600E 6	1.6296	0.65300	0.0
1.9700E 6	1.6246	0.67300	0.0
1.9800E 6	1.6195	0.68500	0.0
1.9900E 6	1.6145	0.69300	0.0
2.0000E 6	1.6094	0.69800	0.0
2.0100E 6	1.6045	0.69900	0.0
2.0200E 6	1.5995	0.69900	0.0
2.0300E 6	1.5945	0.69900	0.0
2.0400E 6	1.5896	0.69900	0.0
2.0500E 6	1.5847	0.69900	0.0
2.0600E 6	1.5799	0.69900	0.0
2.0700E 6	1.5750	0.69900	0.0
2.0800E 6	1.5702	0.69900	0.0
2.0900E 6	1.5654	0.70000	0.0
2.1000E 6	1.5606	0.70100	0.0
2.1100E 6	1.5559	0.70700	0.0
2.1200E 6	1.5512	0.71400	0.0
2.1300E 6	1.5465	0.72100	0.0
2.1400E 6	1.5418	0.72700	0.0
2.1500E 6	1.5371	0.73400	0.0
2.1600E 6	1.5325	0.74100	0.0
2.1700E 6	1.5279	0.74700	0.01000
2.1800E 6	1.5233	0.75400	0.02000
2.1900E 6	1.5187	0.76100	0.02700
2.2000E 6	1.5141	0.76800	0.03400
2.2100E 6	1.5096	0.77400	0.03800
2.2200E 6	1.5051	0.75800	0.04300
2.2300E 6	1.5006	0.74200	0.04400
2.2400E 6	1.4961	0.72600	0.04500
2.2500E 6	1.4917	0.71000	0.04300
2.2600E 6	1.4872	0.69500	0.04000
2.2700E 6	1.4828	0.67900	0.03900

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078	2.393
2.2800E 6	1.4784	0.66300	0.03700	0.0
2.2900E 6	1.4740	0.64700	0.04200	0.0
2.3000E 6	1.4697	0.63200	0.04700	0.0
2.3100E 6	1.4653	0.62500	0.05700	0.0
2.3200E 6	1.4610	0.61800	0.06800	0.0
2.3300E 6	1.4567	0.61200	0.06400	0.0
2.3400E 6	1.4524	0.60600	0.05900	0.0
2.3500E 6	1.4482	0.59900	0.05000	0.0
2.3600E 6	1.4439	0.59200	0.04000	0.0
2.3700E 6	1.4397	0.58600	0.03900	0.0
2.3800E 6	1.4355	0.58000	0.03900	0.0
2.3900E 6	1.4313	0.57300	0.03900	0.0
2.4000E 6	1.4271	0.56700	0.04000	0.0
2.4100E 6	1.4230	0.56100	0.04300	0.0
2.4200E 6	1.4188	0.56400	0.04600	0.0
2.4300E 6	1.4147	0.56700	0.04800	0.0
2.4400E 6	1.4106	0.57000	0.05000	0.0
2.4500E 6	1.4065	0.57300	0.05200	0.0
2.4600E 6	1.4024	0.57600	0.05400	0.0
2.4700E 6	1.3984	0.57900	0.05600	0.0
2.4800E 6	1.3943	0.58200	0.05800	0.0
2.4900E 6	1.3903	0.58500	0.06000	0.0
2.5000E 6	1.3863	0.58800	0.06200	0.0
2.5100E 6	1.3823	0.59100	0.06400	0.00500
2.5200E 6	1.3783	0.57300	0.06700	0.01000
2.5300E 6	1.3744	0.55500	0.06900	0.01000
2.5400E 6	1.3704	0.53700	0.07000	0.01100
2.5500E 6	1.3665	0.51900	0.07000	0.01100
2.5600E 6	1.3626	0.50100	0.07000	0.01100
2.5700E 6	1.3587	0.48200	0.06900	0.01100
2.5800E 6	1.3548	0.46400	0.06700	0.01100
2.5900E 6	1.3509	0.44600	0.06500	0.01100
2.6000E 6	1.3471	0.42800	0.06300	0.01100
2.6100E 6	1.3432	0.40900	0.06300	0.01100
2.6200E 6	1.3394	0.41900	0.06300	0.01200
2.6300E 6	1.3356	0.42900	0.06500	0.01200
2.6400E 6	1.3318	0.43900	0.06700	0.01300
2.6500E 6	1.3280	0.44900	0.07800	0.01400
2.6600E 6	1.3243	0.45900	0.09000	0.01600
2.6700E 6	1.3205	0.46900	0.10300	0.01800

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078	2.393	2.641	2.705
2.6800E 6	1.3168	0.47900	0.11700	0.02000	0.0	0.0
2.6900E 6	1.3130	0.48900	0.12800	0.02400	0.0	0.0
2.7000E 6	1.3093	0.50000	0.14000	0.02900	0.0	0.0
2.7100E 6	1.3056	0.51000	0.14700	0.03400	0.0	0.0
2.7200E 6	1.3020	0.52000	0.15400	0.04000	0.0	0.0
2.7300E 6	1.2983	0.53000	0.14300	0.04600	0.0	0.0
2.7400E 6	1.2946	0.54000	0.13100	0.05300	0.0	0.0
2.7500E 6	1.2910	0.55000	0.12000	0.05500	0.0	0.0
2.7600E 6	1.2874	0.56000	0.10900	0.05700	0.0	0.0
2.7700E 6	1.2837	0.57000	0.10800	0.05500	0.0	0.0
2.7800E 6	1.2801	0.58000	0.10900	0.05200	0.0	0.0
2.7900E 6	1.2765	0.59000	0.10900	0.04600	0.0	0.0
2.8000E 6	1.2730	0.60000	0.11000	0.04000	0.0	0.0
2.8100E 6	1.2694	0.61000	0.10600	0.03600	0.00100	0.0
2.8200E 6	1.2658	0.62000	0.09900	0.03100	0.00100	0.0
2.8300E 6	1.2623	0.60100	0.10200	0.03200	0.00100	0.00200
2.8400E 6	1.2588	0.58100	0.10400	0.03400	0.00200	0.00500
2.8500E 6	1.2553	0.56200	0.10700	0.03800	0.00200	0.00700
2.8600E 6	1.2518	0.54300	0.10900	0.04200	0.00300	0.01000
2.8700E 6	1.2483	0.52300	0.11200	0.05100	0.00300	0.01200
2.8800E 6	1.2448	0.50400	0.11400	0.06000	0.00300	0.01500
2.8900E 6	1.2413	0.48400	0.11700	0.06600	0.00400	0.01700
2.9000E 6	1.2379	0.46500	0.11900	0.07200	0.00400	0.02000
2.9100E 6	1.2344	0.44600	0.12200	0.08000	0.00500	0.02200
2.9200E 6	1.2310	0.42700	0.12500	0.08800	0.00500	0.02400
2.9300E 6	1.2276	0.42000	0.11900	0.09400	0.00800	0.02600
2.9400E 6	1.2242	0.41300	0.11300	0.10000	0.01100	0.02800
2.9500E 6	1.2208	0.40500	0.10800	0.10100	0.01500	0.03000
2.9600E 6	1.2174	0.39800	0.10300	0.10000	0.01800	0.03200
2.9700E 6	1.2140	0.39100	0.09700	0.09600	0.02100	0.03400
2.9800E 6	1.2107	0.38400	0.09100	0.09200	0.02500	0.03500
2.9900E 6	1.2073	0.37600	0.08600	0.08800	0.02800	0.03600
3.0000E 6	1.2040	0.36900	0.08000	0.08300	0.03100	0.03700
3.0100E 6	1.2006	0.36200	0.07400	0.07900	0.03500	0.03800
3.0200E 6	1.1973	0.35500	0.06800	0.07400	0.04000	0.03900
3.0300E 6	1.1940	0.34900	0.07200	0.07000	0.04700	0.03900
3.0400E 6	1.1907	0.34200	0.07700	0.06500	0.05500	0.03900
3.0500E 6	1.1874	0.33600	0.08100	0.06100	0.06200	0.04000
3.0600E 6	1.1842	0.32900	0.08500	0.05600	0.06900	0.04000
3.0700E 6	1.1809	0.32300	0.09000	0.05100	0.07600	0.04000

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078	2.393	2.641	2.705	2.983
3.0800E 6	1.1777	0.35500	0.09100	0.04700	0.06500	0.04000	0.01200
3.0900E 6	1.1744	0.38800	0.09100	0.04200	0.05700	0.04000	0.02400
3.1000E 6	1.1712	0.42000	0.09200	0.03700	0.04800	0.04000	0.03600
3.1100E 6	1.1680	0.45200	0.09200	0.03200	0.03900	0.04000	0.04800
3.1200E 6	1.1648	0.48500	0.09300	0.02800	0.03000	0.04000	0.06000
3.1300E 6	1.1616	0.46400	0.09100	0.02800	0.03000	0.04100	0.09000
3.1400E 6	1.1584	0.44300	0.08900	0.02700	0.03100	0.04100	0.11800
3.1500E 6	1.1552	0.42200	0.08600	0.02700	0.03100	0.04100	0.14400
3.1600E 6	1.1520	0.40100	0.08400	0.02600	0.03200	0.04100	0.17200
3.1700E 6	1.1489	0.37900	0.08200	0.02600	0.03200	0.04200	0.19800
3.1800E 6	1.1457	0.35800	0.08000	0.02500	0.03300	0.04200	0.22200
3.1900E 6	1.1426	0.34200	0.08200	0.02300	0.03600	0.04200	0.23000
3.2000E 6	1.1394	0.32700	0.08500	0.02200	0.03900	0.04200	0.23800
3.2100E 6	1.1363	0.31200	0.08700	0.02100	0.04100	0.04200	0.24600
3.2200E 6	1.1332	0.29600	0.09000	0.01900	0.04400	0.04300	0.25400
3.2300E 6	1.1301	0.28000	0.09200	0.01800	0.04600	0.04300	0.26200
3.2400E 6	1.1270	0.28500	0.08500	0.01600	0.04800	0.04300	0.27400
3.2500E 6	1.1239	0.32200	0.07800	0.01500	0.04800	0.04400	0.29800
3.2600E 6	1.1209	0.35400	0.07200	0.01400	0.04800	0.04400	0.32200
3.2700E 6	1.1178	0.36700	0.06500	0.01300	0.04500	0.04400	0.33600
3.2800E 6	1.1147	0.35800	0.06800	0.01400	0.03900	0.04500	0.29200
3.2900E 6	1.1117	0.35000	0.07000	0.01500	0.03400	0.04500	0.26200
3.3000E 6	1.1087	0.34000	0.07300	0.01600	0.02900	0.04500	0.22800
3.3100E 6	1.1056	0.33000	0.07500	0.01700	0.02400	0.04600	0.19600
3.3200E 6	1.1026	0.32600	0.07700	0.01800	0.02200	0.04600	0.17600
3.3300E 6	1.0996	0.33000	0.08000	0.01900	0.02300	0.04600	0.17500
3.3400E 6	1.0966	0.33300	0.08300	0.02100	0.02500	0.04700	0.17400
3.3500E 6	1.0936	0.33500	0.08600	0.02200	0.02600	0.04700	0.17300
3.3600E 6	1.0906	0.33800	0.08800	0.02400	0.02700	0.04700	0.17200
3.3700E 6	1.0877	0.34000	0.09100	0.02500	0.02800	0.04800	0.17000
3.3800E 6	1.0847	0.34300	0.09400	0.02700	0.02900	0.04800	0.16900
3.3900E 6	1.0818	0.34500	0.09700	0.02800	0.03000	0.04900	0.16800
3.4000E 6	1.0788	0.34800	0.09900	0.02900	0.03100	0.04900	0.16700
3.4100E 6	1.0759	0.35000	0.10200	0.03100	0.03200	0.04900	0.16600
3.4200E 6	1.0729	0.35300	0.10500	0.03200	0.03300	0.05000	0.16400
3.4300E 6	1.0700	0.35500	0.10800	0.03400	0.03400	0.05000	0.16300
3.4400E 6	1.0671	0.35800	0.11000	0.03500	0.03500	0.05100	0.16200
3.4500E 6	1.0642	0.36000	0.11300	0.03700	0.03600	0.05100	0.16100
3.4600E 6	1.0613	0.36300	0.11600	0.03800	0.03700	0.05100	0.16000
3.4700E 6	1.0584	0.36500	0.11900	0.03900	0.03800	0.05200	0.15800

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078	2.393	2.641	2.705	2.983	3.680
3.4800E 6	1.0556	0.36800	0.12200	0.04100	0.03900	0.05200	0.15700	0.0
3.4900E 6	1.0527	0.37000	0.12500	0.04200	0.04000	0.05300	0.15600	0.0
3.5000E 6	1.0498	0.36600	0.12700	0.04400	0.04200	0.05300	0.15500	0.0
3.5100E 6	1.0470	0.36200	0.13000	0.04500	0.04300	0.05400	0.15400	0.0
3.5200E 6	1.0441	0.35900	0.13300	0.04700	0.04400	0.05400	0.15300	0.0
3.5300E 6	1.0413	0.35500	0.13600	0.04800	0.04500	0.05500	0.15200	0.0
3.5400E 6	1.0385	0.35100	0.13800	0.05000	0.04600	0.05500	0.15100	0.0
3.5500E 6	1.0356	0.34700	0.14100	0.05100	0.04700	0.05600	0.15000	0.0
3.5600E 6	1.0328	0.34300	0.14400	0.05300	0.04800	0.05600	0.14800	0.0
3.5700E 6	1.0300	0.33900	0.14700	0.05400	0.04900	0.05700	0.14700	0.0
3.5800E 6	1.0272	0.33500	0.15000	0.05600	0.05000	0.05700	0.14600	0.0
3.5900E 6	1.0244	0.33100	0.15200	0.05700	0.05100	0.05800	0.14500	0.0
3.6000E 6	1.0217	0.32700	0.15500	0.05900	0.05200	0.05800	0.14400	0.0
3.6100E 6	1.0189	0.32300	0.15800	0.06000	0.05300	0.05900	0.14300	0.0
3.6200E 6	1.0161	0.31900	0.16100	0.06100	0.05400	0.05900	0.14100	0.0
3.6300E 6	1.0134	0.31500	0.16400	0.06300	0.05500	0.06000	0.14000	0.0
3.6400E 6	1.0106	0.31100	0.16600	0.06400	0.05600	0.06100	0.13900	0.0
3.6500E 6	1.0079	0.30700	0.16900	0.06600	0.05700	0.06100	0.13800	0.0
3.6600E 6	1.0051	0.30300	0.17200	0.06700	0.05800	0.06200	0.13700	0.0
3.6700E 6	1.0024	0.29900	0.17500	0.06900	0.05900	0.06200	0.13500	0.0
3.6800E 6	0.9997	0.29500	0.17500	0.06900	0.05900	0.06200	0.13400	0.0
3.6900E 6	0.9970	0.29100	0.17500	0.06900	0.05900	0.06300	0.13300	0.0
3.7000E 6	0.9943	0.28800	0.17500	0.06900	0.06000	0.06300	0.13200	0.0
3.7100E 6	0.9916	0.28400	0.17600	0.06900	0.06000	0.06400	0.13100	0.0
3.7200E 6	0.9889	0.28100	0.17600	0.06900	0.06000	0.06400	0.12900	0.0
3.7300E 6	0.9862	0.27800	0.17600	0.06900	0.06000	0.06500	0.12800	0.0
3.7400E 6	0.9835	0.27400	0.17600	0.06900	0.06000	0.06600	0.12700	0.0
3.7500E 6	0.9808	0.27000	0.17600	0.06900	0.06000	0.06600	0.12600	0.0
3.7600E 6	0.9782	0.27000	0.17600	0.06900	0.06000	0.06700	0.12500	0.0
3.7700E 6	0.9755	0.27100	0.17700	0.06900	0.06000	0.06700	0.12300	0.0
3.7800E 6	0.9729	0.27100	0.17700	0.06900	0.06000	0.06800	0.12200	0.0
3.7900E 6	0.9702	0.27200	0.17700	0.06900	0.06000	0.06900	0.12100	0.0
3.8000E 6	0.9676	0.27200	0.17700	0.06900	0.06000	0.06900	0.12000	0.0
3.8100E 6	0.9650	0.27200	0.17700	0.06900	0.06000	0.07000	0.11900	0.0
3.8200E 6	0.9623	0.27300	0.17800	0.06900	0.06100	0.07000	0.11800	0.0
3.8300E 6	0.9597	0.27300	0.17800	0.07000	0.06100	0.07100	0.11600	0.0
3.8400E 6	0.9571	0.27400	0.17800	0.07000	0.06100	0.07100	0.11500	0.0
3.8500E 6	0.9545	0.27400	0.17800	0.07000	0.06100	0.07200	0.11400	0.00400
3.8600E 6	0.9519	0.27400	0.17800	0.07000	0.06100	0.07200	0.11300	0.00600
3.8700E 6	0.9493	0.27500	0.17800	0.07000	0.06100	0.07300	0.11200	0.00800

INELASTIC EXCITATION CROSS SECTIONS FOR NA 23

E	U	0.439	2.078	2.393	2.641	2.705	2.983	3.680
3.8800E 6	0.9467	0.27500	0.17900	0.07000	0.06100	0.07400	0.11000	0.01000
3.8900E 6	0.9442	0.27600	0.17900	0.07000	0.06100	0.07400	0.10900	0.01200
3.9000E 6	0.9416	0.27600	0.17900	0.07000	0.06100	0.07500	0.10800	0.01300
3.9100E 6	0.9390	0.27600	0.17900	0.07000	0.06100	0.07500	0.10700	0.01400
3.9200E 6	0.9365	0.27700	0.17900	0.07000	0.06100	0.07600	0.10600	0.01500
3.9300E 6	0.9339	0.27700	0.17900	0.07000	0.06100	0.07600	0.10500	0.01600
3.9400E 6	0.9314	0.27800	0.18000	0.07000	0.06100	0.07700	0.10400	0.01700
3.9500E 6	0.9289	0.27800	0.18000	0.07000	0.06200	0.07700	0.10300	0.01800
3.9600E 6	0.9263	0.27800	0.18000	0.07000	0.06200	0.07800	0.10200	0.01900
3.9700E 6	0.9238	0.27900	0.18000	0.07000	0.06200	0.07800	0.10000	0.02000
3.9800E 6	0.9213	0.27900	0.18000	0.07000	0.06200	0.07900	0.09900	0.02000
3.9900E 6	0.9188	0.28000	0.18000	0.07000	0.06200	0.07900	0.09800	0.02100
4.0000E 6	0.9163	0.28000	0.18000	0.07000	0.06200	0.08000	0.09700	0.02100

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565
562.0000E 3	2.8788	0.0
566.0000E 3	2.8717	0.0
570.0000E 3	2.8647	0.0
575.0000E 3	2.8560	0.0
579.0000E 3	2.8490	0.00980
583.0000E 3	2.8422	0.01010
588.0000E 3	2.8336	0.01050
592.0000E 3	2.8268	0.01080
596.0000E 3	2.8201	0.01100
600.0000E 3	2.8134	0.01130
605.0000E 3	2.8051	0.01160
609.0000E 3	2.7985	0.01190
613.0000E 3	2.7920	0.01210
618.0000E 3	2.7839	0.01240
622.0000E 3	2.7774	0.01250
626.0000E 3	2.7710	0.01270
631.0000E 3	2.7630	0.01300
635.0000E 3	2.7567	0.01330
639.0000E 3	2.7504	0.01360
644.0000E 3	2.7426	0.01400
648.0000E 3	2.7364	0.01410
652.0000E 3	2.7303	0.01430
656.0000E 3	2.7242	0.01440
661.0000E 3	2.7166	0.01460
665.0000E 3	2.7106	0.01480
669.0000E 3	2.7046	0.01500
673.0000E 3	2.6986	0.01510
678.0000E 3	2.6912	0.01530
682.0000E 3	2.6853	0.01550
686.0000E 3	2.6795	0.01560
690.0000E 3	2.6736	0.01570
695.0000E 3	2.6664	0.01580
699.0000E 3	2.6607	0.01590
703.0000E 3	2.6550	0.01610
707.0000E 3	2.6493	0.01650
712.0000E 3	2.6423	0.01660
716.0000E 3	2.6367	0.01670
720.0000E 3	2.6311	0.01680
724.0000E 3	2.6255	0.01690
729.0000E 3	2.6187	0.01700

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565	0.782
733.0000E 3	2.6132	0.01720	0.0
737.0000E 3	2.6078	0.01730	0.0
741.0000E 3	2.6023	0.01750	0.0
745.0000E 3	2.5970	0.01770	0.0
750.0000E 3	2.5903	0.01790	0.0
754.0000E 3	2.5849	0.01810	0.0
758.0000E 3	2.5797	0.01820	0.0
762.0000E 3	2.5744	0.01840	0.0
766.0000E 3	2.5692	0.01850	0.0
771.0000E 3	2.5627	0.01860	0.0
775.0000E 3	2.5575	0.01870	0.0
779.0000E 3	2.5523	0.01880	0.0
783.0000E 3	2.5472	0.01890	0.0
788.0000E 3	2.5408	0.01900	0.0
792.0000E 3	2.5358	0.01910	0.0
796.0000E 3	2.5307	0.01930	0.0
800.0000E 3	2.5257	0.01950	0.00040
804.0000E 3	2.5207	0.01960	0.00130
808.0000E 3	2.5158	0.01980	0.00230
813.0000E 3	2.5096	0.01990	0.00390
817.0000E 3	2.5047	0.02010	0.00520
821.0000E 3	2.4998	0.02030	0.00640
825.0000E 3	2.4950	0.02040	0.00760
829.0000E 3	2.4901	0.02050	0.00880
834.0000E 3	2.4841	0.02070	0.01040
838.0000E 3	2.4793	0.02080	0.01160
842.0000E 3	2.4746	0.02100	0.01280
846.0000E 3	2.4698	0.02110	0.01400
850.0000E 3	2.4651	0.02120	0.01530
855.0000E 3	2.4592	0.02130	0.01660
859.0000E 3	2.4546	0.02150	0.01800
863.0000E 3	2.4499	0.02160	0.01840
867.0000E 3	2.4453	0.02180	0.01900
871.0000E 3	2.4407	0.02190	0.01950
875.0000E 3	2.4361	0.02210	0.02000
879.0000E 3	2.4316	0.02220	0.02050
884.0000E 3	2.4259	0.02280	0.02120
888.0000E 3	2.4214	0.02330	0.02180
892.0000E 3	2.4169	0.02350	0.02230
894.0000E 3	2.4146	0.02340	0.02260

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565	0.782	1.007
896.0000E 3	2.4124	0.02330	0.02280	0.0
900.0000E 3	2.4079	0.02310	0.02340	0.0
902.0000E 3	2.4057	0.02300	0.02370	0.0
905.0000E 3	2.4024	0.02300	0.02420	0.0
910.0000E 3	2.3969	0.02300	0.02480	0.0
914.0000E 3	2.3925	0.02300	0.02540	0.0
918.0000E 3	2.3881	0.02300	0.02590	0.0
924.0000E 3	2.3816	0.02300	0.02670	0.0
930.0000E 3	2.3752	0.02300	0.02750	0.0
935.0000E 3	2.3698	0.02300	0.02810	0.0
941.0000E 3	2.3634	0.02300	0.02890	0.0
945.0000E 3	2.3592	0.02300	0.02950	0.0
949.0000E 3	2.3549	0.02300	0.03000	0.0
953.0000E 3	2.3507	0.02300	0.03050	0.0
957.0000E 3	2.3465	0.02300	0.03100	0.0
964.0000E 3	2.3392	0.02300	0.03180	0.0
970.0000E 3	2.3330	0.02300	0.03250	0.0
976.0000E 3	2.3269	0.02300	0.03320	0.0
980.0000E 3	2.3228	0.02300	0.03370	0.0
985.0000E 3	2.3177	0.02300	0.03420	0.0
990.0000E 3	2.3126	0.02300	0.03480	0.0
995.0000E 3	2.3076	0.02300	0.03550	0.0
999.0000E 3	2.3036	0.02300	0.03590	0.0
1.0040E 6	2.2986	0.02310	0.03650	0.0
1.0070E 6	2.2956	0.02310	0.03690	0.0
1.0110E 6	2.2916	0.02310	0.03740	0.0
1.0150E 6	2.2877	0.02310	0.03790	0.0
1.0210E 6	2.2818	0.02310	0.03850	0.0
1.0250E 6	2.2779	0.02320	0.03910	0.0
1.0300E 6	2.2730	0.02320	0.03970	0.00150
1.0340E 6	2.2692	0.02320	0.04010	0.00350
1.0380E 6	2.2653	0.02330	0.04060	0.00570
1.0420E 6	2.2614	0.02330	0.04100	0.00770
1.0460E 6	2.2576	0.02330	0.04150	0.00980
1.0500E 6	2.2538	0.02330	0.04200	0.01190
1.0550E 6	2.2490	0.02330	0.04260	0.01450
1.0610E 6	2.2434	0.02330	0.04330	0.01780
1.0650E 6	2.2396	0.02330	0.04370	0.01890
1.0710E 6	2.2340	0.02340	0.04440	0.02070
1.0750E 6	2.2303	0.02340	0.04490	0.02170

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565	0.782	1.007	1.434
1.0790E 6	2.2266	0.02340	0.04540	0.02270	0.0
1.0850E 6	2.2210	0.02350	0.04620	0.02450	0.0
1.0900E 6	2.2164	0.02350	0.04670	0.02590	0.0
1.0940E 6	2.2127	0.02350	0.04720	0.02700	0.0
1.1000E 6	2.2073	0.02350	0.04750	0.02790	0.0
1.1030E 6	2.2046	0.02350	0.04780	0.02840	0.0
1.1050E 6	2.2027	0.02350	0.04810	0.02870	0.0
1.1100E 6	2.1982	0.02360	0.04840	0.02920	0.0
1.1140E 6	2.1946	0.02360	0.04870	0.02970	0.0
1.1200E 6	2.1893	0.02360	0.04900	0.03040	0.0
1.1250E 6	2.1848	0.02370	0.04920	0.03070	0.0
1.1300E 6	2.1804	0.02370	0.04930	0.03100	0.0
1.1350E 6	2.1760	0.02370	0.04950	0.03130	0.0
1.1390E 6	2.1724	0.02370	0.04980	0.03150	0.0
1.1430E 6	2.1689	0.02370	0.05010	0.03170	0.0
1.1470E 6	2.1654	0.02370	0.05040	0.03180	0.0
1.1510E 6	2.1620	0.02370	0.05060	0.03200	0.0
1.1550E 6	2.1585	0.02380	0.05090	0.03210	0.0
1.1590E 6	2.1550	0.02380	0.05110	0.03220	0.0
1.1630E 6	2.1516	0.02380	0.05140	0.03230	0.0
1.1670E 6	2.1481	0.02390	0.05160	0.03240	0.0
1.1710E 6	2.1447	0.02390	0.05190	0.03250	0.0
1.1750E 6	2.1413	0.02390	0.05220	0.03260	0.0
1.1790E 6	2.1379	0.02400	0.05240	0.03260	0.0
1.1860E 6	2.1320	0.02400	0.05270	0.03270	0.0
1.1920E 6	2.1270	0.02400	0.05300	0.03280	0.0
1.1960E 6	2.1236	0.02400	0.05330	0.03290	0.0
1.2000E 6	2.1203	0.02400	0.05340	0.03290	0.0
1.2040E 6	2.1169	0.02410	0.05350	0.03300	0.0
1.2060E 6	2.1153	0.02410	0.05360	0.03300	0.0
1.2500E 6	2.0794	0.02400	0.05570	0.03320	0.0
1.2800E 6	2.0557	0.02460	0.05600	0.03300	0.0
1.3000E 6	2.0402	0.02470	0.05680	0.03290	0.0
1.3500E 6	2.0025	0.02470	0.05770	0.03260	0.0
1.4000E 6	1.9661	0.02480	0.05940	0.03240	0.0
1.4500E 6	1.9310	0.02490	0.06040	0.03240	0.12520
1.5000E 6	1.8971	0.02500	0.06110	0.03270	0.23010
1.5600E 6	1.8579	0.02510	0.06200	0.03360	0.29210
1.6300E 6	1.8140	0.02520	0.06300	0.03470	0.37120
1.7200E 6	1.7603	0.02540	0.06410	0.03640	0.45420

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565	0.782	1.007	1.434	1.835	2.327	2.620
1.8000E 6	1.7148	0.02550	0.06500	0.03820	0.49910	0.0	0.0	0.0
1.9000E 6	1.6607	0.02530	0.06550	0.03970	0.55610	0.0	0.0	0.0
2.0000E 6	1.6094	0.02500	0.06570	0.04110	0.61300	0.00020	0.0	0.0
2.1000E 6	1.5606	0.02440	0.06540	0.04110	0.66900	0.00590	0.0	0.0
2.2000E 6	1.5141	0.02410	0.06490	0.04220	0.71880	0.00810	0.0	0.0
2.3000E 6	1.4697	0.02360	0.06390	0.04300	0.74450	0.01020	0.0	0.0
2.3500E 6	1.4482	0.02330	0.06320	0.04350	0.75100	0.01110	0.0	0.0
2.4000E 6	1.4271	0.02290	0.06260	0.04350	0.75730	0.01190	0.00450	0.0
2.4100E 6	1.4230	0.02280	0.06250	0.04350	0.75730	0.01210	0.00700	0.0
2.4230E 6	1.4176	0.02270	0.06230	0.04350	0.75740	0.01230	0.00950	0.0
2.4370E 6	1.4118	0.02260	0.06210	0.04340	0.75740	0.01260	0.01200	0.0
2.4500E 6	1.4065	0.02250	0.06190	0.04340	0.75740	0.01280	0.01450	0.0
2.4640E 6	1.4008	0.02240	0.06170	0.04340	0.75740	0.01300	0.01650	0.0
2.4770E 6	1.3955	0.02230	0.06150	0.04330	0.75740	0.01330	0.01850	0.0
2.4900E 6	1.3903	0.02220	0.06120	0.04330	0.75740	0.01350	0.02040	0.0
2.5030E 6	1.3851	0.02210	0.06100	0.04320	0.75740	0.01380	0.02240	0.0
2.5160E 6	1.3799	0.02200	0.06080	0.04320	0.75680	0.01400	0.02440	0.0
2.5290E 6	1.3748	0.02190	0.06050	0.04320	0.75610	0.01430	0.02560	0.0
2.5420E 6	1.3696	0.02190	0.06030	0.04310	0.75550	0.01450	0.02690	0.0
2.5560E 6	1.3641	0.02180	0.06000	0.04310	0.75480	0.01470	0.02810	0.0
2.5700E 6	1.3587	0.02180	0.05980	0.04310	0.75420	0.01500	0.02940	0.0
2.5830E 6	1.3536	0.02170	0.05950	0.04300	0.75360	0.01520	0.03060	0.0
2.5970E 6	1.3482	0.02170	0.05930	0.04300	0.75300	0.01550	0.03180	0.0
2.6110E 6	1.3429	0.02160	0.05900	0.04300	0.75120	0.01570	0.03310	0.0
2.6250E 6	1.3375	0.02150	0.05880	0.04290	0.74940	0.01600	0.03440	0.0
2.6380E 6	1.3326	0.02140	0.05850	0.04290	0.74760	0.01620	0.03570	0.0
2.6520E 6	1.3273	0.02130	0.05820	0.04280	0.74590	0.01640	0.03690	0.0
2.6660E 6	1.3220	0.02120	0.05800	0.04270	0.74410	0.01670	0.03820	0.0
2.6810E 6	1.3164	0.02110	0.05770	0.04260	0.74230	0.01690	0.03950	0.00560
2.6960E 6	1.3108	0.02100	0.05740	0.04250	0.74050	0.01710	0.04080	0.01180
2.7100E 6	1.3056	0.02090	0.05710	0.04240	0.73570	0.01730	0.04210	0.01560
2.7240E 6	1.3005	0.02080	0.05690	0.04220	0.73090	0.01760	0.04340	0.01940
2.7390E 6	1.2950	0.02070	0.05660	0.04210	0.72610	0.01780	0.04470	0.02320
2.7540E 6	1.2895	0.02050	0.05630	0.04200	0.72120	0.01800	0.04600	0.02700
2.7690E 6	1.2841	0.02040	0.05610	0.04190	0.71640	0.01830	0.04730	0.03080
2.7840E 6	1.2787	0.02020	0.05580	0.04170	0.71160	0.01850	0.04860	0.03460
2.8000E 6	1.2730	0.02010	0.05560	0.04150	0.70680	0.01870	0.04990	0.03850
2.8160E 6	1.2673	0.01990	0.05530	0.04130	0.70260	0.01900	0.05140	0.04430
2.8320E 6	1.2616	0.01970	0.05490	0.04120	0.69840	0.01930	0.05290	0.05010
2.8480E 6	1.2560	0.01950	0.05450	0.04100	0.69420	0.01950	0.05430	0.05580

INELASTIC EXCITATION CROSS SECTIONS FOR CR

E	U	0.565	0.782	1.007	1.434	1.835	2.327	2.620	2.965
2.8640E 6	1.2504	0.01930	0.05410	0.04090	0.69000	0.01980	0.05580	0.06160	0.0
2.8800E 6	1.2448	0.01910	0.05370	0.04070	0.68570	0.02010	0.05730	0.06730	0.0
2.8950E 6	1.2396	0.01890	0.05330	0.04060	0.68150	0.02040	0.05880	0.07310	0.0
2.9110E 6	1.2341	0.01870	0.05300	0.04050	0.67250	0.02060	0.06030	0.07420	0.0
2.9270E 6	1.2286	0.01850	0.05260	0.04030	0.66350	0.02080	0.06170	0.07540	0.0
2.9440E 6	1.2228	0.01830	0.05230	0.04020	0.65450	0.02110	0.06320	0.07650	0.0
2.9600E 6	1.2174	0.01810	0.05200	0.04010	0.64550	0.02130	0.06470	0.07770	0.0
2.9760E 6	1.2120	0.01790	0.05160	0.03990	0.63650	0.02150	0.06620	0.07880	0.0
2.9930E 6	1.2063	0.01770	0.05130	0.03980	0.62740	0.02170	0.06760	0.07990	0.0
3.0100E 6	1.2006	0.01750	0.05110	0.03970	0.61690	0.02190	0.06910	0.08180	0.0
3.0280E 6	1.1947	0.01740	0.05090	0.03960	0.60640	0.02210	0.07060	0.08360	0.02130
3.0460E 6	1.1888	0.01720	0.05070	0.03950	0.59590	0.02220	0.07210	0.08550	0.05280
3.0640E 6	1.1829	0.01710	0.05050	0.03940	0.58540	0.02240	0.07350	0.08730	0.07650
3.0810E 6	1.1773	0.01690	0.05030	0.03930	0.57500	0.02260	0.07500	0.08920	0.09250
3.0980E 6	1.1718	0.01670	0.05010	0.03920	0.56450	0.02280	0.07650	0.09100	0.10360
3.1160E 6	1.1660	0.01650	0.04980	0.03900	0.55950	0.02300	0.07630	0.09320	0.11100
3.1340E 6	1.1603	0.01640	0.04960	0.03890	0.55450	0.02320	0.07610	0.09540	0.11630
3.1520E 6	1.1545	0.01620	0.04930	0.03870	0.54950	0.02340	0.07590	0.09770	0.12070
3.1710E 6	1.1485	0.01600	0.04910	0.03860	0.54450	0.02360	0.07570	0.09990	0.12450
3.1900E 6	1.1426	0.01580	0.04880	0.03840	0.53940	0.02380	0.07540	0.10210	0.12750

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845
844.1000E 3	2.4721	0.0
845.2000E 3	2.4708	0.0
845.8000E 3	2.4701	0.0
847.0000E 3	2.4686	0.0
848.5000E 3	2.4669	0.0
849.6000E 3	2.4656	0.0
850.7000E 3	2.4643	0.0
852.6000E 3	2.4620	0.0
855.2000E 3	2.4590	0.0
859.0000E 3	2.4546	0.0
860.6000E 3	2.4527	0.0
863.2000E 3	2.4497	0.06000
865.0000E 3	2.4476	0.16700
868.2000E 3	2.4439	0.31300
870.0000E 3	2.4418	0.34000
871.6000E 3	2.4400	0.34800
874.0000E 3	2.4373	0.34700
876.0000E 3	2.4350	0.32700
877.0000E 3	2.4338	0.30800
879.0000E 3	2.4316	0.27500
880.4000E 3	2.4300	0.26200
882.6000E 3	2.4275	0.24400
884.0000E 3	2.4259	0.23000
887.2000E 3	2.4223	0.21000
890.2000E 3	2.4189	0.19700
891.7000E 3	2.4172	0.19100
895.0000E 3	2.4135	0.17800
897.9000E 3	2.4103	0.17200
900.0000E 3	2.4079	0.16900
901.7000E 3	2.4061	0.16600
902.7000E 3	2.4050	0.16500
903.7000E 3	2.4038	0.16400
906.7000E 3	2.4005	0.16300
911.0000E 3	2.3958	0.17000
916.0000E 3	2.3903	0.17700
918.5000E 3	2.3876	0.18700
920.4000E 3	2.3855	0.19400
921.7000E 3	2.3841	0.20100
924.1000E 3	2.3815	0.23500
926.2000E 3	2.3793	0.29700

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845
927.2000E 3	2.3782	0.33000
928.1000E 3	2.3772	0.36000
929.4000E 3	2.3758	0.36700
931.1000E 3	2.3740	0.37000
935.5000E 3	2.3693	0.34900
940.5000E 3	2.3639	0.29000
943.8000E 3	2.3604	0.25600
945.0000E 3	2.3592	0.25000
946.0000E 3	2.3581	0.24400
949.0000E 3	2.3549	0.23200
951.7000E 3	2.3521	0.22300
956.3000E 3	2.3473	0.22400
960.1000E 3	2.3433	0.24200
961.4000E 3	2.3419	0.25400
963.1000E 3	2.3402	0.27000
964.4000E 3	2.3388	0.28600
967.0000E 3	2.3361	0.31500
970.8000E 3	2.3322	0.35800
972.1000E 3	2.3309	0.37200
975.0000E 3	2.3279	0.40800
978.3000E 3	2.3245	0.44500
980.6000E 3	2.3222	0.47800
986.3000E 3	2.3164	0.55200
988.0000E 3	2.3147	0.57300
990.2000E 3	2.3124	0.62000
991.9000E 3	2.3107	0.66000
993.0000E 3	2.3096	0.68500
993.9000E 3	2.3087	0.70600
996.6000E 3	2.3060	0.76700
998.3000E 3	2.3043	0.80800
1.0054E 6	2.2972	0.65700
1.0079E 6	2.2947	0.61000
1.0106E 6	2.2920	0.57000
1.0160E 6	2.2867	0.46000
1.0191E 6	2.2837	0.40200
1.0201E 6	2.2827	0.38000
1.0332E 6	2.2699	0.40600
1.0369E 6	2.2663	0.42700
1.0400E 6	2.2634	0.44500
1.0418E 6	2.2616	0.45400

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845
1.0432E 6	2.2603	0.46300
1.0474E 6	2.2563	0.48500
1.0491E 6	2.2547	0.49000
1.0520E 6	2.2519	0.49500
1.0577E 6	2.2465	0.50300
1.0610E 6	2.2434	0.51000
1.0623E 6	2.2421	0.51200
1.0670E 6	2.2377	0.52100
1.0691E 6	2.2358	0.52500
1.0720E 6	2.2331	0.53000
1.0780E 6	2.2275	0.54200
1.0796E 6	2.2260	0.54500
1.0830E 6	2.2229	0.55100
1.0840E 6	2.2219	0.55300
1.0865E 6	2.2196	0.55800
1.0899E 6	2.2165	0.56500
1.0930E 6	2.2137	0.57000
1.0990E 6	2.2082	0.55400
1.1020E 6	2.2055	0.54000
1.1030E 6	2.2046	0.53600
1.1064E 6	2.2015	0.52200
1.1090E 6	2.1991	0.50900
1.1101E 6	2.1981	0.50500
1.1121E 6	2.1963	0.49500
1.1140E 6	2.1946	0.48700
1.1184E 6	2.1907	0.46800
1.1200E 6	2.1893	0.46000
1.1230E 6	2.1866	0.44600
1.1250E 6	2.1848	0.43800
1.1288E 6	2.1814	0.42100
1.1318E 6	2.1788	0.40700
1.1330E 6	2.1777	0.40200
1.1356E 6	2.1754	0.39000
1.1370E 6	2.1742	0.38400
1.1385E 6	2.1729	0.37700
1.1495E 6	2.1633	0.36800
1.1510E 6	2.1620	0.36700
1.1543E 6	2.1591	0.36700
1.1569E 6	2.1568	0.36600
1.1591E 6	2.1549	0.36600

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845
1.1638E 6	2.1509	0.36500
1.1650E 6	2.1499	0.36500
1.1677E 6	2.1475	0.36400
1.1774E 6	2.1393	0.36300
1.1790E 6	2.1379	0.36200
1.1877E 6	2.1306	0.36100
1.1930E 6	2.1261	0.36000
1.1953E 6	2.1242	0.35900
1.2003E 6	2.1200	0.35800
1.2065E 6	2.1149	0.35700
1.2154E 6	2.1075	0.35600
1.2196E 6	2.1041	0.35500
1.2216E 6	2.1024	0.35500
1.2230E 6	2.1013	0.35500
1.2265E 6	2.0984	0.35400
1.2281E 6	2.0971	0.35400
1.2302E 6	2.0954	0.35400
1.2352E 6	2.0914	0.35300
1.2389E 6	2.0884	0.35200
1.2415E 6	2.0863	0.35200
1.2430E 6	2.0851	0.35100
1.2444E 6	2.0839	0.35100
1.2548E 6	2.0756	0.35800
1.2637E 6	2.0685	0.37000
1.2680E 6	2.0651	0.37600
1.2695E 6	2.0640	0.38000
1.2730E 6	2.0612	0.38100
1.2740E 6	2.0604	0.38200
1.2776E 6	2.0576	0.38500
1.2800E 6	2.0557	0.38600
1.2848E 6	2.0520	0.38900
1.2903E 6	2.0477	0.39300
1.2940E 6	2.0448	0.39500
1.2966E 6	2.0428	0.39800
1.2990E 6	2.0410	0.39900
1.3011E 6	2.0394	0.40000
1.3069E 6	2.0349	0.40100
1.3106E 6	2.0321	0.40200
1.3113E 6	2.0316	0.40200
1.3138E 6	2.0297	0.40200

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845	1.408
1.3160E 6	2.0280	0.40200	0.0
1.3210E 6	2.0242	0.40300	0.0
1.3236E 6	2.0222	0.40400	0.0
1.3255E 6	2.0208	0.40400	0.0
1.3330E 6	2.0152	0.40500	0.0
1.3378E 6	2.0116	0.40600	0.0
1.3430E 6	2.0077	0.40700	0.0
1.3501E 6	2.0024	0.40800	0.0
1.3547E 6	1.9990	0.40900	0.0
1.3629E 6	1.9930	0.41300	0.0
1.3701E 6	1.9877	0.42000	0.0
1.3731E 6	1.9855	0.42300	0.0
1.3868E 6	1.9756	0.43700	0.0
1.3943E 6	1.9702	0.44400	0.0
1.3962E 6	1.9688	0.44600	0.0
1.3980E 6	1.9675	0.44800	0.0
1.4014E 6	1.9651	0.45300	0.0
1.4025E 6	1.9643	0.45600	0.0
1.4083E 6	1.9602	0.46800	0.0
1.4108E 6	1.9584	0.47400	0.0
1.4120E 6	1.9576	0.47600	0.0
1.4170E 6	1.9540	0.48700	0.0
1.4198E 6	1.9521	0.49400	0.0
1.4230E 6	1.9498	0.50000	0.0
1.4321E 6	1.9434	0.52000	0.0
1.4447E 6	1.9347	0.54700	0.00100
1.4521E 6	1.9296	0.56000	0.00200
1.4562E 6	1.9268	0.53000	0.00300
1.4740E 6	1.9146	0.58600	0.00400
1.4790E 6	1.9112	0.61400	0.00500
1.4810E 6	1.9099	0.62500	0.00500
1.4825E 6	1.9089	0.63200	0.00500
1.4862E 6	1.9064	0.65100	0.00600
1.4930E 6	1.9018	0.68900	0.00600
1.4980E 6	1.8985	0.71700	0.00700
1.4993E 6	1.8976	0.73000	0.00700
1.5010E 6	1.8965	0.72800	0.00700
1.5040E 6	1.8945	0.72400	0.00800
1.5056E 6	1.8934	0.72200	0.00800
1.5090E 6	1.8911	0.71700	0.00800

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845	1.408
1.5123E 6	1.8890	0.71300	0.00800
1.5148E 6	1.8873	0.70900	0.00800
1.5175E 6	1.8855	0.70500	0.00900
1.5240E 6	1.8812	0.69600	0.00900
1.5300E 6	1.8773	0.68800	0.01000
1.5600E 6	1.8579	0.64800	0.01300
1.5900E 6	1.8389	0.61200	0.01600
1.6000E 6	1.8326	0.60000	0.01700
1.6200E 6	1.8202	0.60300	0.01900
1.6500E 6	1.8018	0.60800	0.02300
1.6700E 6	1.7898	0.56000	0.02500
1.6800E 6	1.7838	0.51000	0.02600
1.6900E 6	1.7779	0.45900	0.02700
1.7000E 6	1.7720	0.41000	0.02800
1.7200E 6	1.7603	0.44200	0.03000
1.7300E 6	1.7545	0.45800	0.03100
1.7400E 6	1.7487	0.47400	0.03200
1.7700E 6	1.7316	0.52200	0.03600
1.7900E 6	1.7204	0.55400	0.03700
1.8000E 6	1.7148	0.57000	0.03800
1.8200E 6	1.7037	0.57000	0.04000
1.8400E 6	1.6928	0.57000	0.04200
1.8600E 6	1.6820	0.58200	0.04400
1.8700E 6	1.6766	0.59500	0.04500
1.8800E 6	1.6713	0.60800	0.04600
1.9000E 6	1.6607	0.64200	0.04800
1.9100E 6	1.6555	0.66400	0.04900
1.9300E 6	1.6451	0.70600	0.05100
1.9400E 6	1.6399	0.72800	0.05200
1.9500E 6	1.6348	0.75000	0.05300
1.9700E 6	1.6246	0.70400	0.05500
1.9800E 6	1.6195	0.67800	0.05600
1.9900E 6	1.6145	0.65300	0.05700
2.0000E 6	1.6094	0.63000	0.05000
2.0100E 6	1.6045	0.63500	0.04400
2.0300E 6	1.5945	0.65000	0.03700
2.0400E 6	1.5896	0.66000	0.03600
2.0500E 6	1.5847	0.66900	0.03500
2.0700E 6	1.5750	0.68900	0.03200
2.1000E 6	1.5606	0.72000	0.03000

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845	1.408	2.080	2.655	2.936
2.1200E 6	1.5512	0.76500	0.03500	0.0	0.0	0.0
2.1400E 6	1.5418	0.81200	0.03800	0.00500	0.0	0.0
2.1600E 6	1.5325	0.83500	0.04400	0.00800	0.0	0.0
2.1800E 6	1.5233	0.83600	0.05000	0.01200	0.0	0.0
2.2000E 6	1.5141	0.83700	0.05300	0.01400	0.0	0.0
2.2300E 6	1.5006	0.83000	0.05300	0.01200	0.0	0.0
2.2500E 6	1.4917	0.83000	0.05300	0.01500	0.0	0.0
2.2700E 6	1.4828	0.83900	0.05300	0.01900	0.0	0.0
2.3000E 6	1.4697	0.85300	0.05200	0.02600	0.0	0.0
2.3200E 6	1.4610	0.88800	0.05100	0.02700	0.0	0.0
2.3300E 6	1.4567	0.90600	0.05100	0.02700	0.0	0.0
2.3600E 6	1.4439	0.94200	0.04900	0.02900	0.0	0.0
2.3800E 6	1.4355	0.89900	0.04800	0.03000	0.0	0.0
2.4000E 6	1.4271	0.86700	0.04700	0.03100	0.0	0.0
2.4200E 6	1.4188	0.82400	0.04300	0.03600	0.0	0.0
2.4400E 6	1.4106	0.77700	0.03800	0.03900	0.0	0.0
2.4600E 6	1.4024	0.73300	0.04500	0.04500	0.0	0.0
2.4800E 6	1.3943	0.75400	0.05700	0.05100	0.0	0.0
2.5100E 6	1.3823	0.78600	0.07000	0.05600	0.0	0.0
2.5300E 6	1.3744	0.85400	0.05000	0.04900	0.0	0.0
2.5500E 6	1.3665	0.93600	0.03700	0.04400	0.0	0.0
2.5700E 6	1.3587	0.91200	0.04800	0.04500	0.0	0.0
2.5900E 6	1.3509	0.88600	0.05100	0.04600	0.0	0.0
2.6100E 6	1.3432	0.84800	0.05300	0.04200	0.0	0.0
2.6400E 6	1.3318	0.74200	0.05200	0.03800	0.0	0.0
2.6600E 6	1.3243	0.75300	0.05100	0.07000	0.0	0.0
2.6800E 6	1.3168	0.77200	0.05100	0.06300	0.0	0.0
2.7100E 6	1.3056	0.80400	0.05000	0.07900	0.00700	0.0
2.7300E 6	1.2983	0.75400	0.04900	0.07500	0.03100	0.0
2.7600E 6	1.2874	0.67700	0.04800	0.07100	0.07600	0.0
2.7800E 6	1.2801	0.61800	0.04800	0.07300	0.08300	0.0
2.8000E 6	1.2730	0.55900	0.04700	0.07400	0.04600	0.0
2.8100E 6	1.2694	0.58700	0.04700	0.04000	0.04900	0.0
2.8200E 6	1.2658	0.61400	0.04800	0.05100	0.05200	0.0
2.8400E 6	1.2588	0.71000	0.05000	0.06600	0.06300	0.0
2.8700E 6	1.2483	0.68300	0.05300	0.05700	0.10100	0.0
2.8900E 6	1.2413	0.65800	0.05400	0.08600	0.07400	0.0
2.9100E 6	1.2344	0.64700	0.05600	0.08400	0.09600	0.0
2.9300E 6	1.2276	0.62300	0.05800	0.08000	0.09000	0.0
2.9600E 6	1.2174	0.53700	0.06000	0.09200	0.14300	0.01800

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845	1.408	2.080	2.655	2.936	3.118	3.367	3.599
2.9800E 6	1.2107	0.57700	0.06200	0.09600	0.19300	0.02500	0.0	0.0	0.0
3.0000E 6	1.2040	0.62400	0.06400	0.10800	0.21800	0.03600	0.0	0.0	0.0
3.0300E 6	1.1940	0.54300	0.06500	0.08100	0.12800	0.06000	0.0	0.0	0.0
3.0600E 6	1.1842	0.48500	0.06500	0.08500	0.14400	0.08400	0.0	0.0	0.0
3.0800E 6	1.1777	0.50300	0.06400	0.09200	0.15500	0.09800	0.0	0.0	0.0
3.1100E 6	1.1680	0.55200	0.06400	0.11100	0.16300	0.11800	0.0	0.0	0.0
3.1500E 6	1.1552	0.65800	0.06400	0.13100	0.17000	0.13600	0.0	0.0	0.0
3.1900E 6	1.1426	0.55200	0.06300	0.09900	0.18000	0.11700	0.02000	0.0	0.0
3.2400E 6	1.1270	0.51700	0.06300	0.11100	0.17200	0.12900	0.06800	0.0	0.0
3.2800E 6	1.1147	0.47500	0.06200	0.13400	0.16400	0.13700	0.12500	0.0	0.0
3.3200E 6	1.1026	0.43100	0.06200	0.15200	0.16400	0.14800	0.11100	0.0	0.0
3.3600E 6	1.0906	0.42300	0.06100	0.16100	0.16800	0.15900	0.08700	0.0	0.0
3.3900E 6	1.0818	0.40900	0.06100	0.12000	0.16900	0.16600	0.06500	0.0	0.0
3.4500E 6	1.0642	0.34800	0.06000	0.13000	0.14700	0.16000	0.08700	0.03700	0.0
3.5100E 6	1.0470	0.20900	0.06000	0.16500	0.13700	0.18000	0.14000	0.08000	0.0
3.5600E 6	1.0328	0.54000	0.05900	0.09000	0.10800	0.11600	0.15700	0.15600	0.0
3.6000E 6	1.0217	0.53000	0.05900	0.12900	0.15100	0.14400	0.15700	0.21500	0.0
3.6500E 6	1.0079	0.51800	0.05800	0.14700	0.19500	0.14200	0.14600	0.24500	0.0
3.6800E 6	0.9997	0.51000	0.05800	0.14400	0.21100	0.14500	0.13700	0.25000	0.00400
3.7100E 6	0.9916	0.50300	0.05800	0.13300	0.20900	0.15600	0.12800	0.26000	0.00900
3.7400E 6	0.9835	0.49600	0.05800	0.12400	0.18600	0.14100	0.13700	0.24500	0.01600
3.7700E 6	0.9755	0.48800	0.05700	0.12300	0.14200	0.11800	0.15200	0.21800	0.02200
3.8000E 6	0.9676	0.48100	0.05700	0.12200	0.13300	0.11700	0.13300	0.15000	0.02800
3.8300E 6	0.9597	0.47400	0.05700	0.12200	0.12800	0.11600	0.11500	0.15000	0.03300
3.8600E 6	0.9519	0.46600	0.05600	0.12100	0.14200	0.11800	0.09700	0.14900	0.03900
3.9100E 6	0.9390	0.45400	0.05600	0.12000	0.16100	0.11900	0.06500	0.14800	0.05000
3.9500E 6	0.9289	0.44500	0.05500	0.11900	0.17400	0.11900	0.04600	0.14700	0.05700
3.9900E 6	0.9188	0.43500	0.05500	0.13100	0.17100	0.16700	0.18400	0.22000	0.06500
4.0600E 6	0.9014	0.39800	0.05300	0.14400	0.16600	0.16700	0.18000	0.22300	0.08000
4.1100E 6	0.8892	0.37000	0.05100	0.14400	0.16300	0.16700	0.17600	0.22600	0.09200
4.1400E 6	0.8819	0.35200	0.05000	0.14500	0.16200	0.16700	0.17400	0.22700	0.09800
4.1800E 6	0.8723	0.32900	0.04900	0.14500	0.16100	0.16700	0.17100	0.22900	0.10700
4.2200E 6	0.8627	0.30600	0.04800	0.14400	0.16000	0.16600	0.16800	0.23100	0.11700
4.2600E 6	0.8533	0.28400	0.04700	0.14200	0.15800	0.16600	0.16500	0.23200	0.12600
4.3000E 6	0.8440	0.26000	0.04600	0.14000	0.15600	0.16600	0.16200	0.23400	0.13400
4.3400E 6	0.8347	0.25500	0.04400	0.13900	0.15400	0.16600	0.16000	0.23600	0.14200
4.3800E 6	0.8255	0.24900	0.04300	0.13800	0.15200	0.16600	0.15700	0.23800	0.15100
4.4200E 6	0.8164	0.24400	0.04200	0.13700	0.15000	0.16600	0.15300	0.24000	0.16100
4.4700E 6	0.8052	0.23700	0.04100	0.13500	0.13800	0.16500	0.15000	0.24200	0.17200
4.5100E 6	0.7963	0.23200	0.04000	0.13300	0.13100	0.15700	0.14800	0.24300	0.17800

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	3.825	4.038
2.9800E 6	1.2107	0.0	0.0
3.0000E 6	1.2040	0.0	0.0
3.0300E 6	1.1940	0.0	0.0
3.0600E 6	1.1842	0.0	0.0
3.0800E 6	1.1777	0.0	0.0
3.1100E 6	1.1680	0.0	0.0
3.1500E 6	1.1552	0.0	0.0
3.1900E 6	1.1426	0.0	0.0
3.2400E 6	1.1270	0.0	0.0
3.2800E 6	1.1147	0.0	0.0
3.3200E 6	1.1026	0.0	0.0
3.3600E 6	1.0906	0.0	0.0
3.3900E 6	1.0818	0.0	0.0
3.4500E 6	1.0642	0.0	0.0
3.5100E 6	1.0470	0.0	0.0
3.5600E 6	1.0328	0.0	0.0
3.6000E 6	1.0217	0.0	0.0
3.6500E 6	1.0079	0.0	0.0
3.6800E 6	0.9997	0.0	0.0
3.7100E 6	0.9916	0.0	0.0
3.7400E 6	0.9835	0.0	0.0
3.7700E 6	0.9755	0.0	0.0
3.8000E 6	0.9676	0.0	0.0
3.8300E 6	0.9597	0.0	0.0
3.8600E 6	0.9519	0.0	0.0
3.9100E 6	0.9390	0.00700	0.0
3.9500E 6	0.9289	0.01500	0.0
3.9900E 6	0.9188	0.02600	0.0
4.0600E 6	0.9014	0.04100	0.0
4.1100E 6	0.8892	0.05500	0.0
4.1400E 6	0.8819	0.06200	0.00500
4.1800E 6	0.8723	0.07300	0.00900
4.2200E 6	0.8627	0.08200	0.01400
4.2600E 6	0.8533	0.09300	0.01800
4.3000E 6	0.8440	0.10300	0.02400
4.3400E 6	0.8347	0.11300	0.02900
4.3800E 6	0.8255	0.12300	0.03400
4.4200E 6	0.8164	0.13300	0.04000
4.4700E 6	0.8052	0.14600	0.04600
4.5100E 6	0.7963	0.15300	0.05200

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	0.845	1.408	2.080	2.655	2.936	3.118	3.367	3.599
4.5500E 6	0.7875	0.22600	0.03800	0.13200	0.12700	0.11100	0.08500	0.23700	0.17700
4.6000E 6	0.7765	0.22000	0.03700	0.13000	0.12600	0.11000	0.08900	0.23000	0.17600
4.6500E 6	0.7657	0.21300	0.03500	0.12800	0.12400	0.10800	0.09300	0.22400	0.17400
4.6900E 6	0.7572	0.20800	0.03400	0.12700	0.12300	0.10800	0.09700	0.21900	0.17300
4.7400E 6	0.7465	0.20100	0.03300	0.12500	0.12200	0.10600	0.10200	0.21300	0.17200
4.7900E 6	0.7361	0.19500	0.03100	0.12300	0.12100	0.10500	0.10600	0.20600	0.17100
4.8300E 6	0.7277	0.18900	0.03000	0.12200	0.12000	0.10400	0.11000	0.20100	0.17000
4.9500E 6	0.7032	0.17300	0.02600	0.11800	0.11700	0.10200	0.12100	0.18600	0.16700
4.9900E 6	0.6951	0.16800	0.02500	0.11600	0.11600	0.10100	0.12600	0.18000	0.16600

INELASTIC EXCITATION CROSS SECTIONS FOR FE

E	U	3.825	4.038
4.5500E 6	0.7875	0.15100	0.05700
4.6000E 6	0.7765	0.14900	0.06500
4.6500E 6	0.7657	0.14600	0.07300
4.6900E 6	0.7572	0.14500	0.07900
4.7400E 6	0.7465	0.14200	0.08700
4.7900E 6	0.7361	0.14000	0.09400
4.8300E 6	0.7277	0.13800	0.10100
4.9500E 6	0.7032	0.13500	0.11900
4.9900E 6	0.6951	0.13000	0.12800

INELASTIC EXCITATION CROSS SECTIONS FOR NI

E	U	1.332	1.452	2.158	2.287	2.458	2.502	2.630	2.772
1.3000E 6	2.0402	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.03300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.06300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5000E 6	1.8971	0.08900	0.04700	0.0	0.0	0.0	0.0	0.0	0.0
1.5500E 6	1.8643	0.10800	0.12800	0.0	0.0	0.0	0.0	0.0	0.0
1.6100E 6	1.8264	0.12400	0.19200	0.0	0.0	0.0	0.0	0.0	0.0
1.7500E 6	1.7430	0.15400	0.26300	0.0	0.0	0.0	0.0	0.0	0.0
1.9000E 6	1.6607	0.18200	0.30400	0.0	0.0	0.0	0.0	0.0	0.0
2.0800E 6	1.5702	0.20800	0.34400	0.0	0.0	0.0	0.0	0.0	0.0
2.2500E 6	1.4917	0.20400	0.38400	0.03500	0.0	0.0	0.0	0.0	0.0
2.4500E 6	1.4065	0.18700	0.41200	0.05900	0.00900	0.0	0.0	0.0	0.0
2.4860E 6	1.3919	0.18600	0.41400	0.06200	0.01700	0.0	0.0	0.0	0.0
2.4990E 6	1.3867	0.18500	0.41500	0.06300	0.01800	0.0	0.0	0.0	0.0
2.5120E 6	1.3815	0.18500	0.41500	0.06400	0.01900	0.00700	0.0	0.0	0.0
2.5250E 6	1.3763	0.18500	0.41500	0.06500	0.01900	0.01700	0.0	0.0	0.0
2.5370E 6	1.3716	0.18500	0.41500	0.06600	0.02000	0.02400	0.0	0.0	0.0
2.5500E 6	1.3665	0.18400	0.41500	0.06800	0.02100	0.03100	0.0	0.0	0.0
2.5640E 6	1.3610	0.18400	0.41500	0.06900	0.02100	0.03800	0.00100	0.0	0.0
2.5770E 6	1.3560	0.18400	0.41500	0.07000	0.02200	0.04400	0.00200	0.0	0.0
2.5910E 6	1.3505	0.18400	0.41500	0.07100	0.02200	0.04900	0.00300	0.0	0.0
2.6050E 6	1.3452	0.18400	0.41500	0.07300	0.02300	0.05500	0.00400	0.0	0.0
2.6190E 6	1.3398	0.18400	0.41500	0.07400	0.02400	0.06000	0.00500	0.0	0.0
2.6330E 6	1.3345	0.18400	0.41500	0.07500	0.02400	0.06500	0.00600	0.0	0.0
2.6470E 6	1.3292	0.18400	0.41500	0.07600	0.02500	0.07000	0.00700	0.0	0.0
2.6610E 6	1.3239	0.18400	0.41500	0.07800	0.02500	0.07400	0.00700	0.0	0.0
2.6760E 6	1.3183	0.18400	0.41500	0.07900	0.02600	0.07900	0.00800	0.0	0.0
2.6900E 6	1.3130	0.18400	0.41500	0.08000	0.02600	0.08400	0.00900	0.00800	0.0
2.7050E 6	1.3075	0.18400	0.41500	0.08200	0.02700	0.08900	0.01000	0.01400	0.0
2.7200E 6	1.3020	0.18400	0.41500	0.08300	0.02700	0.09300	0.01100	0.01900	0.0
2.7350E 6	1.2965	0.18400	0.41500	0.08400	0.02800	0.09700	0.01200	0.02300	0.0
2.7490E 6	1.2913	0.18400	0.41500	0.08600	0.02800	0.10000	0.01200	0.02600	0.0
2.7650E 6	1.2855	0.18400	0.41500	0.08700	0.02800	0.10400	0.01300	0.02900	0.0
2.7800E 6	1.2801	0.18400	0.41500	0.08800	0.02900	0.10600	0.01400	0.03100	0.0
2.7950E 6	1.2748	0.18400	0.41500	0.09000	0.02900	0.10900	0.01500	0.03300	0.0
2.8100E 6	1.2694	0.18400	0.41600	0.09100	0.02900	0.11100	0.01600	0.03400	0.0
2.8250E 6	1.2641	0.18400	0.41700	0.09200	0.02900	0.11200	0.01600	0.03500	0.00200
2.8410E 6	1.2584	0.18400	0.41800	0.09400	0.02900	0.11300	0.01700	0.03700	0.00400
2.8560E 6	1.2532	0.18400	0.42000	0.09500	0.03000	0.11400	0.01800	0.03800	0.00600
2.8720E 6	1.2476	0.18400	0.42300	0.09600	0.03000	0.11500	0.01800	0.03900	0.00900

INELASTIC EXCITATION CROSS SECTIONS FOR NI

E	U	1.332	1.452	2.158	2.287	2.458	2.502	2.630	2.772
2.8880E 6	1.2420	0.18400	0.42700	0.09800	0.03000	0.11600	0.01900	0.04000	0.01100
2.9040E 6	1.2365	0.18400	0.43000	0.09900	0.03000	0.11700	0.02000	0.04200	0.01300
2.9210E 6	1.2307	0.18400	0.43200	0.10100	0.03000	0.11800	0.02000	0.04300	0.01500
2.9380E 6	1.2249	0.18400	0.43500	0.10200	0.03000	0.11900	0.02100	0.04400	0.01700
2.9550E 6	1.2191	0.18400	0.43800	0.10400	0.03000	0.11900	0.02200	0.04500	0.01800
2.9720E 6	1.2133	0.18400	0.44100	0.10600	0.03000	0.12000	0.02200	0.04600	0.02000
2.9900E 6	1.2073	0.18300	0.44400	0.10700	0.03000	0.12100	0.02300	0.04700	0.02100
3.0080E 6	1.2013	0.18300	0.44700	0.10800	0.03000	0.12200	0.02400	0.04800	0.02300
3.0250E 6	1.1957	0.18200	0.45000	0.10900	0.03000	0.12300	0.02400	0.04900	0.02400
3.0420E 6	1.1901	0.18200	0.45300	0.10900	0.03000	0.12400	0.02500	0.05000	0.02500
3.0580E 6	1.1848	0.18200	0.45600	0.11000	0.03000	0.12600	0.02500	0.05100	0.02700
3.0760E 6	1.1790	0.18100	0.45900	0.11100	0.03000	0.12700	0.02600	0.05200	0.02800
3.0950E 6	1.1728	0.18100	0.46200	0.11200	0.03000	0.12800	0.02600	0.05300	0.02900
3.1120E 6	1.1673	0.18000	0.46500	0.11200	0.03000	0.12900	0.02700	0.05400	0.03000
3.1300E 6	1.1616	0.18000	0.46800	0.11300	0.03000	0.13000	0.02700	0.05500	0.03100
3.1480E 6	1.1558	0.17900	0.47100	0.11300	0.03000	0.13100	0.02800	0.05500	0.03200
3.1670E 6	1.1498	0.17800	0.47400	0.11400	0.03000	0.13300	0.02800	0.05600	0.03300
3.1850E 6	1.1441	0.17800	0.47700	0.11400	0.03000	0.13400	0.02900	0.05600	0.03400
3.2040E 6	1.1382	0.17700	0.48100	0.11400	0.03000	0.13500	0.03000	0.05700	0.03500
3.2220E 6	1.1326	0.17600	0.48400	0.11400	0.03000	0.13600	0.03000	0.05800	0.03500
3.2410E 6	1.1267	0.17500	0.48700	0.11400	0.03000	0.13800	0.03100	0.05800	0.03600
3.2610E 6	1.1206	0.17400	0.49000	0.11400	0.03000	0.14000	0.03200	0.05900	0.03600
3.2800E 6	1.1147	0.17200	0.49300	0.11400	0.03000	0.14100	0.03200	0.05900	0.03700
3.2990E 6	1.1090	0.17100	0.49500	0.11400	0.03000	0.14300	0.03300	0.06000	0.03700
3.3180E 6	1.1032	0.17000	0.49700	0.11400	0.03000	0.14400	0.03300	0.06000	0.03800
3.3370E 6	1.0975	0.16800	0.49900	0.11400	0.03000	0.14600	0.03400	0.06100	0.03800
3.3570E 6	1.0915	0.16700	0.50100	0.11400	0.03000	0.14800	0.03400	0.06100	0.03800
3.3780E 6	1.0853	0.16500	0.50300	0.11400	0.03000	0.15000	0.03500	0.06200	0.03800
3.3980E 6	1.0794	0.16400	0.50400	0.11400	0.03000	0.15200	0.03600	0.06200	0.03800
3.4180E 6	1.0735	0.16200	0.50500	0.11400	0.03000	0.15400	0.03600	0.06200	0.03800
3.4380E 6	1.0677	0.16100	0.50600	0.11300	0.03000	0.15700	0.03700	0.06300	0.03800
3.4600E 6	1.0613	0.15900	0.50600	0.11200	0.03000	0.15900	0.03800	0.06300	0.03800
3.4800E 6	1.0556	0.15800	0.50700	0.11200	0.03000	0.16200	0.03800	0.06300	0.03800
3.5010E 6	1.0495	0.15600	0.50700	0.11100	0.02900	0.16400	0.03900	0.06300	0.03800
3.5220E 6	1.0436	0.15500	0.50700	0.11000	0.02900	0.16600	0.03900	0.06300	0.03800
3.5440E 6	1.0373	0.15300	0.50700	0.11000	0.02900	0.16900	0.04000	0.06400	0.03700
3.5660E 6	1.0311	0.15100	0.50600	0.10900	0.02800	0.17100	0.04000	0.06400	0.03700
3.5880E 6	1.0250	0.15000	0.50600	0.10800	0.02800	0.17400	0.04000	0.06400	0.03700
3.6100E 6	1.0189	0.14800	0.50500	0.10700	0.02800	0.17700	0.04000	0.06400	0.03700
3.6330E 6	1.0125	0.14600	0.50400	0.10600	0.02800	0.18000	0.04100	0.06400	0.03700

INELASTIC EXCITATION CROSS SECTIONS FOR NI

E	U	3.035	3.130	3.260	3.520
2.8880E 6	1.2420	0.0	0.0	0.0	0.0
2.9040E 6	1.2365	0.0	0.0	0.0	0.0
2.9210E 6	1.2307	0.0	0.0	0.0	0.0
2.9380E 6	1.2249	0.0	0.0	0.0	0.0
2.9550E 6	1.2191	0.0	0.0	0.0	0.0
2.9720E 6	1.2133	0.0	0.0	0.0	0.0
2.9900E 6	1.2073	0.0	0.0	0.0	0.0
3.0080E 6	1.2013	0.0	0.0	0.0	0.0
3.0250E 6	1.1957	0.0	0.0	0.0	0.0
3.0420E 6	1.1901	0.0	0.0	0.0	0.0
3.0580E 6	1.1848	0.0	0.0	0.0	0.0
3.0760E 6	1.1790	0.0	0.0	0.0	0.0
3.0950E 6	1.1728	0.00200	0.0	0.0	0.0
3.1120E 6	1.1673	0.00600	0.0	0.0	0.0
3.1300E 6	1.1616	0.01000	0.0	0.0	0.0
3.1480E 6	1.1558	0.01400	0.0	0.0	0.0
3.1670E 6	1.1498	0.01700	0.0	0.0	0.0
3.1850E 6	1.1441	0.02000	0.0	0.0	0.0
3.2040E 6	1.1382	0.02300	0.00800	0.0	0.0
3.2220E 6	1.1326	0.02500	0.01200	0.0	0.0
3.2410E 6	1.1267	0.02700	0.01500	0.0	0.0
3.2610E 6	1.1206	0.03000	0.01800	0.0	0.0
3.2800E 6	1.1147	0.03200	0.01900	0.0	0.0
3.2990E 6	1.1090	0.03400	0.02100	0.0	0.0
3.3180E 6	1.1032	0.03500	0.02200	0.0	0.0
3.3370E 6	1.0975	0.03700	0.02300	0.00400	0.0
3.3570E 6	1.0915	0.03800	0.02400	0.00800	0.0
3.3780E 6	1.0853	0.04000	0.02500	0.01100	0.0
3.3980E 6	1.0794	0.04100	0.02700	0.01400	0.0
3.4180E 6	1.0735	0.04200	0.02800	0.01700	0.0
3.4380E 6	1.0677	0.04400	0.02900	0.01900	0.0
3.4600E 6	1.0613	0.04500	0.03000	0.02100	0.0
3.4800E 6	1.0556	0.04600	0.03100	0.02300	0.0
3.5010E 6	1.0495	0.04700	0.03200	0.02500	0.0
3.5220E 6	1.0436	0.04800	0.03200	0.02700	0.0
3.5440E 6	1.0373	0.04900	0.03300	0.02900	0.0
3.5660E 6	1.0311	0.05000	0.03400	0.03100	0.0
3.5880E 6	1.0250	0.05100	0.03500	0.03200	0.0
3.6100E 6	1.0189	0.05200	0.03600	0.03400	0.00300
3.6330E 6	1.0125	0.05200	0.03600	0.03500	0.00600

INELASTIC EXCITATION CROSS SECTIONS FOR NI

E	U	1.332	1.452	2.158	2.287	2.458	2.502	2.630	2.772
3.6540E 6	1.0068	0.14400	0.50300	0.10500	0.02700	0.18300	0.04100	0.06400	0.03700
3.6760E 6	1.0008	0.14200	0.50100	0.10400	0.02700	0.18500	0.04100	0.06400	0.03700
3.6990E 6	0.9945	0.14000	0.49900	0.10300	0.02700	0.18800	0.04200	0.06400	0.03700
3.7220E 6	0.9883	0.13900	0.49700	0.10200	0.02600	0.19000	0.04200	0.06400	0.03700
3.7450E 6	0.9822	0.13700	0.49400	0.10000	0.02600	0.19300	0.04200	0.06400	0.03800
3.7690E 6	0.9758	0.13500	0.49100	0.09900	0.02600	0.19600	0.04300	0.06400	0.03800
3.7930E 6	0.9694	0.13300	0.48900	0.09800	0.02500	0.19900	0.04300	0.06400	0.03900
3.8070E 6	0.9657	0.13200	0.48700	0.09700	0.02500	0.20100	0.04300	0.06400	0.03900
3.8170E 6	0.9631	0.13100	0.48600	0.09600	0.02500	0.20200	0.04300	0.06400	0.03900
3.8270E 6	0.9605	0.13000	0.48500	0.09600	0.02500	0.20300	0.04300	0.06400	0.03900
3.8370E 6	0.9579	0.12900	0.48400	0.09500	0.02400	0.20400	0.04400	0.06400	0.04000
3.8460E 6	0.9556	0.12800	0.48300	0.09400	0.02400	0.20500	0.04400	0.06400	0.04000
3.8560E 6	0.9530	0.12800	0.48100	0.09400	0.02400	0.20700	0.04400	0.06500	0.04000
3.8610E 6	0.9517	0.12700	0.48000	0.09400	0.02400	0.20700	0.04400	0.06500	0.04000
3.8710E 6	0.9491	0.12600	0.47900	0.09300	0.02400	0.20800	0.04400	0.06500	0.04100
3.8810E 6	0.9465	0.12600	0.47700	0.09200	0.02400	0.21000	0.04400	0.06500	0.04100
3.8910E 6	0.9439	0.12500	0.47600	0.09100	0.02400	0.21100	0.04400	0.06500	0.04100
3.9010E 6	0.9414	0.12400	0.47500	0.09100	0.02300	0.21200	0.04400	0.06500	0.04200
3.9110E 6	0.9388	0.12300	0.47400	0.09000	0.02300	0.21300	0.04500	0.06500	0.04200
3.9200E 6	0.9365	0.12200	0.47200	0.09000	0.02300	0.21400	0.04500	0.06500	0.04200
3.9350E 6	0.9327	0.12200	0.47000	0.08900	0.02300	0.21600	0.04500	0.06500	0.04300
3.9450E 6	0.9301	0.12100	0.46800	0.08800	0.02300	0.21700	0.04500	0.06500	0.04400
3.9550E 6	0.9276	0.12000	0.46600	0.08700	0.02200	0.21900	0.04500	0.06500	0.04400
3.9640E 6	0.9253	0.11900	0.46500	0.08700	0.02200	0.22000	0.04500	0.06500	0.04500
3.9740E 6	0.9228	0.11800	0.46300	0.08600	0.02200	0.22100	0.04500	0.06500	0.04600
3.9840E 6	0.9203	0.11700	0.46200	0.08500	0.02200	0.22200	0.04600	0.06500	0.04600
3.9930E 6	0.9180	0.11600	0.46000	0.08400	0.02200	0.22300	0.04600	0.06500	0.04700

INELASTIC EXCITATION CROSS SECTIONS FOR NI

E	U	3.035	3.130	3.260	3.520
3.6540E 6	1.0068	0.05300	0.03700	0.03600	0.00800
3.6740E 6	1.0008	0.05400	0.03800	0.03700	0.01000
3.6990E 6	0.9945	0.05400	0.03800	0.03800	0.01200
3.7220E 6	0.9883	0.05500	0.03900	0.03900	0.01300
3.7450E 6	0.9822	0.05600	0.03900	0.04000	0.01500
3.7690E 6	0.9758	0.05700	0.04000	0.04100	0.01700
3.7930E 6	0.9694	0.05700	0.04000	0.04200	0.01800
3.8070E 6	0.9657	0.05800	0.04100	0.04300	0.01900
3.8170E 6	0.9631	0.05800	0.04100	0.04300	0.02000
3.8270E 6	0.9605	0.05900	0.04100	0.04300	0.02000
3.8370E 6	0.9579	0.05900	0.04100	0.04300	0.02000
3.8460E 6	0.9556	0.05900	0.04100	0.04400	0.02100
3.8560E 6	0.9530	0.05900	0.04200	0.04400	0.02100
3.8610E 6	0.9517	0.06000	0.04200	0.04400	0.02200
3.8710E 6	0.9491	0.06000	0.04200	0.04400	0.02200
3.8810E 6	0.9465	0.06000	0.04200	0.04500	0.02200
3.8910E 6	0.9439	0.06100	0.04200	0.04500	0.02300
3.9010E 6	0.9414	0.06100	0.04200	0.04500	0.02300
3.9110E 6	0.9388	0.06100	0.04200	0.04500	0.02300
3.9200E 6	0.9365	0.06100	0.04200	0.04500	0.02400
3.9350E 6	0.9327	0.06200	0.04200	0.04600	0.02400
3.9450E 6	0.9301	0.06200	0.04200	0.04600	0.02400
3.9550E 6	0.9276	0.06300	0.04200	0.04600	0.02500
3.9640E 6	0.9253	0.06300	0.04300	0.04600	0.02500
3.9740E 6	0.9228	0.06300	0.04300	0.04600	0.02500
3.9840E 6	0.9203	0.06400	0.04300	0.04700	0.02600
3.9930E 6	0.9180	0.06400	0.04300	0.04700	0.02600

INELASTIC EXCITATION CROSS SECTIONS FOR MO

E	U	0.203	0.530
170.0000E 3	4.0745	0.0	0.0
205.0000E 3	3.8873	0.0	0.0
220.0000E 3	3.8167	0.01000	0.0
245.0000E 3	3.7091	0.02200	0.0
260.0000E 3	3.6497	0.03000	0.0
270.0000E 3	3.6119	0.03500	0.0
295.0000E 3	3.5234	0.04700	0.0
310.0000E 3	3.4738	0.05600	0.0
330.0000E 3	3.4112	0.06600	0.0
340.0000E 3	3.3814	0.07000	0.0
350.0000E 3	3.3524	0.07500	0.0
370.0000E 3	3.2968	0.08500	0.0
380.0000E 3	3.2702	0.09000	0.0
390.0000E 3	3.2442	0.09500	0.0
405.0000E 3	3.2065	0.10300	0.0
415.0000E 3	3.1821	0.10800	0.0
425.0000E 3	3.1583	0.11300	0.0
435.0000E 3	3.1350	0.11900	0.0
455.0000E 3	3.0900	0.12800	0.0
495.0000E 3	3.0058	0.14700	0.0
500.0000E 3	2.9957	0.15000	0.0
540.0000E 3	2.9188	0.17000	0.00200
550.0000E 3	2.9004	0.17500	0.00600
560.0000E 3	2.8824	0.18000	0.01000
570.0000E 3	2.8647	0.18600	0.01300
580.0000E 3	2.8473	0.19200	0.01600
590.0000E 3	2.8302	0.19800	0.01900
600.0000E 3	2.8134	0.20400	0.02400
610.0000E 3	2.7969	0.21000	0.03000
630.0000E 3	2.7646	0.22000	0.04600
640.0000E 3	2.7489	0.22600	0.05400
650.0000E 3	2.7334	0.23200	0.06100
675.0000E 3	2.6956	0.24600	0.08000
680.0000E 3	2.6882	0.24900	0.08400
690.0000E 3	2.6736	0.25400	0.09300
700.0000E 3	2.6593	0.26000	0.10000
705.0000E 3	2.6521	0.26400	0.10400
715.0000E 3	2.6381	0.26900	0.11300
725.0000E 3	2.6242	0.27500	0.11900
745.0000E 3	2.5970	0.28700	0.13200

INELASTIC EXCITATION CROSS SECTIONS FOR MO

E	U	0.203	0.530	0.780	0.930	1.100	1.260	1.560
755.0000E 3	2.5836	0.29400	0.13800	0.0	0.0	0.0	0.0	0.0
765.0000E 3	2.5705	0.29900	0.14400	0.0	0.0	0.0	0.0	0.0
775.0000E 3	2.5575	0.30600	0.14900	0.0	0.0	0.0	0.0	0.0
785.0000E 3	2.5447	0.31200	0.15400	0.0	0.0	0.0	0.0	0.0
795.0000E 3	2.5320	0.31400	0.15800	0.00500	0.0	0.0	0.0	0.0
805.0000E 3	2.5195	0.31600	0.16000	0.01800	0.0	0.0	0.0	0.0
815.0000E 3	2.5072	0.31700	0.16100	0.02700	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.31700	0.16100	0.03100	0.0	0.0	0.0	0.0
830.0000E 3	2.4889	0.31700	0.16100	0.04200	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.31600	0.16100	0.05500	0.0	0.0	0.0	0.0
850.0000E 3	2.4651	0.31500	0.16100	0.06900	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.31300	0.16100	0.08600	0.0	0.0	0.0	0.0
870.0000E 3	2.4418	0.31000	0.16100	0.10600	0.0	0.0	0.0	0.0
890.0000E 3	2.4191	0.30500	0.16000	0.15000	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.29500	0.15900	0.23600	0.0	0.0	0.0	0.0
930.0000E 3	2.3752	0.29000	0.15800	0.27000	0.0	0.0	0.0	0.0
955.0000E 3	2.3486	0.28000	0.15600	0.40000	0.00200	0.0	0.0	0.0
960.0000E 3	2.3434	0.27700	0.15500	0.42300	0.00400	0.0	0.0	0.0
970.0000E 3	2.3330	0.27100	0.15400	0.49000	0.00700	0.0	0.0	0.0
990.0000E 3	2.3126	0.26100	0.15200	0.61300	0.00900	0.0	0.0	0.0
1.0000E 6	2.3026	0.25400	0.15000	0.67000	0.01000	0.0	0.0	0.0
1.0200E 6	2.2828	0.24000	0.14700	0.72600	0.01300	0.0	0.0	0.0
1.0300E 6	2.2730	0.23500	0.14500	0.74200	0.01500	0.0	0.0	0.0
1.0450E 6	2.2586	0.22400	0.14200	0.76000	0.01700	0.0	0.0	0.0
1.0550E 6	2.2490	0.21700	0.13900	0.77000	0.01900	0.0	0.0	0.0
1.0700E 6	2.2349	0.20700	0.13700	0.78100	0.02200	0.0	0.0	0.0
1.0800E 6	2.2256	0.19800	0.13400	0.78700	0.02400	0.0	0.0	0.0
1.0950E 6	2.2118	0.18800	0.13100	0.79700	0.02600	0.0	0.0	0.0
1.1000E 6	2.2073	0.18500	0.12900	0.80000	0.02700	0.0	0.0	0.0
1.1050E 6	2.2027	0.18000	0.12700	0.80300	0.02800	0.0	0.0	0.0
1.1100E 6	2.1982	0.17600	0.12600	0.80500	0.02900	0.0	0.0	0.0
1.1200E 6	2.1893	0.16800	0.12400	0.81000	0.03100	0.00700	0.0	0.0
1.1300E 6	2.1804	0.16100	0.12100	0.81300	0.03400	0.01100	0.0	0.0
1.1400E 6	2.1716	0.15300	0.11800	0.81700	0.03700	0.01700	0.0	0.0
1.1450E 6	2.1672	0.14700	0.11700	0.81900	0.03800	0.02000	0.0	0.0
1.3000E 6	2.0402	0.01000	0.06000	0.83700	0.04700	0.16600	0.00300	0.0
1.4600E 6	1.9241	0.0	0.0	0.80600	0.03800	0.33300	0.06200	0.0
1.5500E 6	1.8643	0.0	0.0	0.77400	0.03200	0.41700	0.09400	0.04300
1.6100E 6	1.8264	0.0	0.0	0.75300	0.02700	0.46800	0.11400	0.10400
1.7500E 6	1.7430	0.0	0.0	0.70500	0.00700	0.56200	0.14600	0.22700

INELASTIC EXCITATION CROSS SECTIONS FOR MO

E	U	0.203	0.530	0.780	0.930	1.100	1.260	1.560	1.860
1.8600E 6	1.6820	0.0	0.0	0.67000	0.0	0.61600	0.15900	0.31400	0.0
1.9000E 6	1.6607	0.0	0.0	0.65700	0.0	0.63000	0.16200	0.34400	0.00600
2.0600E 6	1.5799	0.0	0.0	0.61300	0.0	0.61300	0.15400	0.45400	0.05300

INELASTIC EXCITATION CROSS SECTIONS FOR U 235

E	U	0.010	0.060
9.9730E 3	6.9105	0.0	0.0
10.2480E 3	6.8833	0.0	0.0
10.5350E 3	6.8556	0.0	0.0
10.8340E 3	6.8277	0.0	0.0
11.1450E 3	6.7993	0.0	0.0
11.4710E 3	6.7705	0.0	0.0
11.8110E 3	6.7413	0.0	0.0
12.1660E 3	6.7117	0.0	0.0
12.5370E 3	6.6817	0.0	0.0
12.9260E 3	6.6511	0.0	0.0
13.3330E 3	6.6201	0.0	0.0
13.7600E 3	6.5886	0.0	0.0
14.2070E 3	6.5566	0.0	0.0
14.6770E 3	6.5241	0.0	0.0
15.1700E 3	6.4910	0.0	0.0
15.6890E 3	6.4574	0.0	0.0
16.2340E 3	6.4232	0.0	0.0
16.8090E 3	6.3884	0.0	0.0
17.4150E 3	6.3530	0.0	0.0
18.0540E 3	6.3170	0.0	0.0
18.7280E 3	6.2803	0.0	0.0
19.4420E 3	6.2429	0.0	0.0
20.1970E 3	6.2048	0.0	0.0
20.9970E 3	6.1660	0.0	0.0
25.0000E 3	5.9915	0.00400	0.0
30.0000E 3	5.8091	0.01900	0.0
35.0000E 3	5.6550	0.02500	0.0
40.0000E 3	5.5215	0.02800	0.0
45.0000E 3	5.4037	0.02900	0.0
50.0000E 3	5.2983	0.05200	0.0
55.0000E 3	5.2030	0.07500	0.0
60.0000E 3	5.1160	0.09900	0.0
65.0000E 3	5.0360	0.12300	0.0
70.0000E 3	4.9618	0.14800	0.0
75.0000E 3	4.8929	0.17200	0.0
80.0000E 3	4.8283	0.19400	0.0
85.0000E 3	4.7677	0.21000	0.01800
90.0000E 3	4.7105	0.22400	0.03300
95.0000E 3	4.6565	0.23500	0.04500
100.0000E 3	4.6052	0.24500	0.05700

INELASTIC EXCITATION CROSS SECTIONS FOR U 235

E	U	0.010	0.060	0.090	0.200	0.300	0.500
120.0000E 3	4.4228	0.27900	0.09000	0.01500	0.0	0.0	0.0
140.0000E 3	4.2687	0.30200	0.11400	0.02600	0.0	0.0	0.0
160.0000E 3	4.1352	0.31700	0.12900	0.06300	0.0	0.0	0.0
180.0000E 3	4.0174	0.32700	0.14000	0.08500	0.0	0.0	0.0
200.0000E 3	3.9120	0.33300	0.14600	0.08500	0.0	0.0	0.0
220.0000E 3	3.8167	0.33700	0.15000	0.12900	0.0	0.0	0.0
240.0000E 3	3.7297	0.34000	0.15300	0.16200	0.00500	0.0	0.0
260.0000E 3	3.6497	0.34100	0.15500	0.18900	0.01200	0.0	0.0
280.0000E 3	3.5756	0.34200	0.15600	0.21000	0.02800	0.0	0.0
300.0000E 3	3.5066	0.34300	0.15700	0.22900	0.05400	0.0	0.0
320.0000E 3	3.4420	0.34300	0.15800	0.24400	0.07400	0.00100	0.0
340.0000E 3	3.3814	0.34300	0.15900	0.25700	0.09200	0.00200	0.0
360.0000E 3	3.3242	0.34300	0.15900	0.26900	0.10700	0.00400	0.0
380.0000E 3	3.2702	0.34300	0.15800	0.27800	0.12000	0.00600	0.0
400.0000E 3	3.2189	0.34300	0.15800	0.28600	0.13300	0.01000	0.0
420.0000E 3	3.1701	0.34300	0.15700	0.29200	0.14400	0.01500	0.0
440.0000E 3	3.1236	0.34300	0.15600	0.29500	0.15400	0.02200	0.0
460.0000E 3	3.0791	0.34400	0.15600	0.29800	0.16300	0.03000	0.0
480.0000E 3	3.0366	0.34400	0.15500	0.30000	0.17200	0.04100	0.0
500.0000E 3	2.9957	0.34500	0.15400	0.30200	0.18100	0.05000	0.0
520.0000E 3	2.9565	0.34500	0.15300	0.30300	0.18900	0.06100	0.01200
540.0000E 3	2.9188	0.34600	0.15200	0.30400	0.19700	0.07100	0.02500
560.0000E 3	2.8824	0.34600	0.15000	0.30500	0.20400	0.08200	0.03900
580.0000E 3	2.8473	0.34600	0.14700	0.30500	0.20800	0.09400	0.05500
600.0000E 3	2.8134	0.34500	0.14300	0.30500	0.21000	0.10600	0.07100
620.0000E 3	2.7806	0.34300	0.13800	0.30400	0.21000	0.11800	0.09000
640.0000E 3	2.7489	0.34000	0.13400	0.30100	0.20800	0.13100	0.11000
660.0000E 3	2.7181	0.33600	0.12900	0.29800	0.20400	0.14400	0.13100
680.0000E 3	2.6882	0.32900	0.12500	0.29500	0.19800	0.15800	0.15500
700.0000E 3	2.6593	0.32200	0.12100	0.29000	0.19000	0.17000	0.18100
720.0000E 3	2.6311	0.31400	0.11600	0.28200	0.18200	0.18000	0.21200
740.0000E 3	2.6037	0.30600	0.11200	0.27300	0.17400	0.18700	0.24400
760.0000E 3	2.5770	0.29700	0.10800	0.26200	0.16600	0.19300	0.28200
780.0000E 3	2.5510	0.28700	0.10300	0.25100	0.15800	0.19700	0.32300
800.0000E 3	2.5257	0.27700	0.09900	0.23700	0.15000	0.20000	0.37200
820.0000E 3	2.5010	0.26600	0.09400	0.22200	0.14200	0.20300	0.42000
840.0000E 3	2.4769	0.25500	0.09000	0.20700	0.13400	0.20400	0.46500
860.0000E 3	2.4534	0.24200	0.08600	0.19300	0.12600	0.20500	0.49700
880.0000E 3	2.4304	0.22900	0.08100	0.18100	0.11800	0.20500	0.55000
900.0000E 3	2.4079	0.21800	0.07700	0.17000	0.11000	0.20500	0.58600

INELASTIC EXCITATION CROSS SECTIONS FOR U 235

E	U	0.010	0.060	0.090	0.200	0.300	0.500	1.000	1.500
920.0000E 3	2.3860	0.20700	0.07300	0.15800	0.10200	0.20300	0.62700	0.0	0.0
940.0000E 3	2.3645	0.19500	0.06800	0.14700	0.09400	0.20100	0.66800	0.0	0.0
960.0000E 3	2.3434	0.18600	0.06400	0.13800	0.08600	0.19700	0.70800	0.0	0.0
980.0000E 3	2.3228	0.17600	0.06000	0.12900	0.07800	0.19200	0.75000	0.0	0.0
1.0000E 6	2.3026	0.16600	0.05500	0.12000	0.07000	0.18500	0.79500	0.0	0.0
1.1000E 6	2.2073	0.12500	0.03300	0.08700	0.03300	0.13800	0.88600	0.12300	0.0
1.2000E 6	2.1203	0.09500	0.01600	0.05800	0.00800	0.09500	0.89000	0.29000	0.0
1.3000E 6	2.0402	0.05000	0.00500	0.03300	0.0	0.06800	0.82000	0.50600	0.0
1.4000E 6	1.9661	0.01500	0.0	0.01300	0.0	0.04500	0.73900	0.69000	0.0
1.5000E 6	1.8971	0.0	0.0	0.00300	0.0	0.03000	0.65200	0.82600	0.0
1.6000E 6	1.8326	0.0	0.0	0.0	0.0	0.02000	0.56500	0.89800	0.05000
1.7000E 6	1.7720	0.0	0.0	0.0	0.0	0.01100	0.49400	0.92300	0.13000
1.8000E 6	1.7148	0.0	0.0	0.0	0.0	0.00500	0.42000	0.86000	0.20000
1.9000E 6	1.6607	0.0	0.0	0.0	0.0	0.0	0.34800	0.74500	0.30400
2.0000E 6	1.6094	0.0	0.0	0.0	0.0	0.0	0.28700	0.63100	0.41500
2.1000E 6	1.5606	0.0	0.0	0.0	0.0	0.0	0.22500	0.51400	0.45800
2.2000E 6	1.5141	0.0	0.0	0.0	0.0	0.0	0.17100	0.40000	0.48500
2.3000E 6	1.4697	0.0	0.0	0.0	0.0	0.0	0.12700	0.32500	0.50400
2.4000E 6	1.4271	0.0	0.0	0.0	0.0	0.0	0.08600	0.28500	0.52000

INELASTIC EXCITATION CROSS SECTIONS FOR U 235

E	U	1.750	2.000
920.0000E 3	2.3860	0.0	0.0
940.0000E 3	2.3645	0.0	0.0
960.0000E 3	2.3434	0.0	0.0
980.0000E 3	2.3228	0.0	0.0
1.0000E 6	2.3026	0.0	0.0
1.1000E 6	2.2073	0.0	0.0
1.2000E 6	2.1203	0.0	0.0
1.3000E 6	2.0402	0.0	0.0
1.4000E 6	1.9661	0.0	0.0
1.5000E 6	1.8971	0.0	0.0
1.6000E 6	1.8326	0.0	0.0
1.7000E 6	1.7720	0.0	0.0
1.8000E 6	1.7148	0.10000	0.0
1.9000E 6	1.6607	0.22200	0.0
2.0000E 6	1.6094	0.31500	0.0
2.1000E 6	1.5606	0.38800	0.11500
2.2000E 6	1.5141	0.45100	0.24400
2.3000E 6	1.4697	0.51000	0.34200
2.4000E 6	1.4271	0.56200	0.41000

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	0.045	0.148	0.310
39.0000E 3	5.5468	0.0	0.0	0.0
44.9000E 3	5.4059	0.0	0.0	0.0
47.0000E 3	5.3602	0.01000	0.0	0.0
50.0000E 3	5.2983	0.05000	0.0	0.0
53.1000E 3	5.2382	0.08000	0.0	0.0
56.0000E 3	5.1850	0.10800	0.0	0.0
61.0000E 3	5.0995	0.15500	0.0	0.0
68.0000E 3	4.9908	0.22200	0.0	0.0
70.0000E 3	4.9618	0.24200	0.0	0.0
75.0000E 3	4.8929	0.28900	0.0	0.0
80.0000E 3	4.8283	0.33700	0.0	0.0
85.0000E 3	4.7677	0.38500	0.0	0.0
90.0000E 3	4.7105	0.43300	0.0	0.0
95.0000E 3	4.6565	0.48000	0.0	0.0
100.0000E 3	4.6052	0.53000	0.0	0.0
120.0000E 3	4.4228	0.72800	0.0	0.0
140.0000E 3	4.2687	0.85000	0.0	0.0
160.0000E 3	4.1352	0.92500	0.01300	0.0
180.0000E 3	4.0174	0.98700	0.03700	0.0
200.0000E 3	3.9120	1.02700	0.05800	0.0
220.0000E 3	3.8167	1.04700	0.07800	0.0
240.0000E 3	3.7297	1.06400	0.09700	0.0
260.0000E 3	3.6497	1.07700	0.11200	0.0
280.0000E 3	3.5756	1.08700	0.12800	0.0
300.0000E 3	3.5066	1.09700	0.14300	0.0
320.0000E 3	3.4420	1.10500	0.15700	0.00300
340.0000E 3	3.3814	1.11500	0.17100	0.01000
360.0000E 3	3.3242	1.14500	0.18400	0.01700
380.0000E 3	3.2702	1.16300	0.19600	0.02400
400.0000E 3	3.2189	1.21500	0.20800	0.03100
420.0000E 3	3.1701	1.27400	0.22000	0.03800
440.0000E 3	3.1236	1.33400	0.23200	0.04500
460.0000E 3	3.0791	1.39500	0.24300	0.05200
480.0000E 3	3.0366	1.42500	0.25400	0.05900
500.0000E 3	2.9957	1.44000	0.26600	0.06600
520.0000E 3	2.9565	1.44500	0.27600	0.07300
540.0000E 3	2.9188	1.44700	0.28500	0.08000
550.0000E 3	2.9004	1.44600	0.28900	0.08300
560.0000E 3	2.8824	1.44500	0.29400	0.08600
580.0000E 3	2.8473	1.43400	0.30600	0.09300

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	0.045	0.148	0.310	0.680	0.732	0.838	0.939	0.968
600.0000E 3	2.8134	1.41400	0.31700	0.10000	0.0	0.0	0.0	0.0	0.0
610.0000E 3	2.7969	1.40700	0.32400	0.10300	0.0	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	1.39600	0.33000	0.10700	0.0	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	1.37000	0.34000	0.11400	0.0	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	1.34700	0.35100	0.12000	0.0	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	1.31700	0.36300	0.12700	0.0	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	1.30500	0.36800	0.13100	0.01600	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	1.29100	0.37400	0.13400	0.03300	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	1.26600	0.38500	0.14100	0.06600	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	1.24400	0.39800	0.14600	0.09800	0.02200	0.0	0.0	0.0
760.0000E 3	2.5770	1.22000	0.41300	0.14800	0.13000	0.06700	0.0	0.0	0.0
780.0000E 3	2.5510	1.19700	0.42800	0.14900	0.16200	0.09600	0.0	0.0	0.0
800.0000E 3	2.5257	1.17400	0.44300	0.15000	0.19400	0.11900	0.0	0.0	0.0
820.0000E 3	2.5010	1.15200	0.46000	0.15000	0.22400	0.14000	0.0	0.0	0.0
840.0000E 3	2.4769	1.12900	0.47800	0.14900	0.25400	0.15500	0.0	0.0	0.0
860.0000E 3	2.4534	1.11000	0.49800	0.14800	0.28200	0.16800	0.00300	0.0	0.0
880.0000E 3	2.4304	1.08600	0.52000	0.14600	0.30500	0.17900	0.00600	0.0	0.0
900.0000E 3	2.4079	1.06200	0.52800	0.14500	0.31900	0.18900	0.00900	0.0	0.0
920.0000E 3	2.3860	1.03700	0.53000	0.14300	0.32900	0.19800	0.01100	0.0	0.0
940.0000E 3	2.3645	1.01300	0.52500	0.14200	0.33300	0.20700	0.01400	0.0	0.0
960.0000E 3	2.3434	0.98000	0.51700	0.14000	0.33600	0.21400	0.01700	0.02700	0.0
980.0000E 3	2.3228	0.94600	0.49800	0.13800	0.33800	0.22100	0.02100	0.05700	0.01900
1.0000E 6	2.3026	0.91300	0.47500	0.13600	0.33900	0.22800	0.02400	0.08800	0.05600
1.0500E 6	2.2538	0.82500	0.42600	0.13000	0.33700	0.24300	0.03400	0.16400	0.11900
1.1000E 6	2.2073	0.74000	0.40000	0.12400	0.32900	0.25500	0.04900	0.23700	0.16200
1.1500E 6	2.1628	0.65200	0.38200	0.11700	0.31000	0.26400	0.07100	0.27000	0.19800
1.2000E 6	2.1203	0.56500	0.36700	0.11100	0.26200	0.26300	0.08300	0.24200	0.22800
1.2500E 6	2.0794	0.47500	0.35000	0.10500	0.24300	0.25400	0.08700	0.21600	0.25100
1.3000E 6	2.0402	0.38600	0.33200	0.09900	0.23400	0.24500	0.08900	0.23900	0.26700
1.3500E 6	2.0025	0.29600	0.30800	0.09300	0.23400	0.23600	0.09000	0.28400	0.27800
1.4000E 6	1.9661	0.21200	0.28300	0.08700	0.23400	0.22500	0.09100	0.28000	0.28400
1.4500E 6	1.9310	0.12700	0.25700	0.08100	0.22500	0.21400	0.09100	0.25900	0.28400
1.5000E 6	1.8971	0.04300	0.22800	0.07400	0.21000	0.20200	0.09100	0.23400	0.28100
1.5500E 6	1.8643	0.0	0.19900	0.06800	0.19200	0.18800	0.09100	0.21100	0.27400
1.6000E 6	1.8326	0.0	0.16700	0.06200	0.16700	0.17500	0.09000	0.18800	0.26400
1.6500E 6	1.8018	0.0	0.13400	0.05600	0.14200	0.16200	0.08900	0.16300	0.25200
1.7000E 6	1.7720	0.0	0.09800	0.04900	0.11800	0.14700	0.08800	0.14100	0.23900
1.7500E 6	1.7430	0.0	0.06200	0.04300	0.09300	0.13200	0.08600	0.11700	0.22500
1.8000E 6	1.7148	0.0	0.02200	0.03700	0.06900	0.11600	0.08400	0.09300	0.21100
1.8500E 6	1.6874	0.0	0.0	0.03100	0.04400	0.10000	0.08200	0.07000	0.19500

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	1.006	1.047	1.076	1.123	1.150	1.190	1.210	1.246
600.0000E 3	2.8134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
610.0000E 3	2.7969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.02300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.07700	0.08100	0.03800	0.0	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	0.14300	0.12700	0.10500	0.00500	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.17000	0.16100	0.15100	0.01800	0.01800	0.00300	0.0	0.0
1.2500E 6	2.0794	0.18300	0.18700	0.19900	0.04700	0.04500	0.02200	0.00900	0.0
1.3000E 6	2.0402	0.19300	0.20500	0.24900	0.09200	0.08400	0.04800	0.02300	0.02100
1.3500E 6	2.0025	0.20100	0.21400	0.30300	0.13700	0.13700	0.08000	0.04000	0.04100
1.4000E 6	1.9661	0.20700	0.22000	0.33300	0.16300	0.16700	0.10700	0.05700	0.05900
1.4500E 6	1.9310	0.21000	0.22600	0.33800	0.18100	0.17900	0.12300	0.07500	0.07700
1.5000E 6	1.8971	0.21200	0.23100	0.33600	0.19100	0.18400	0.13100	0.08900	0.09300
1.5500E 6	1.8643	0.21300	0.23400	0.32900	0.19800	0.18400	0.13500	0.09900	0.10400
1.6000E 6	1.8326	0.21300	0.23600	0.31600	0.20100	0.18200	0.13800	0.10500	0.11100
1.6500E 6	1.8018	0.21100	0.23400	0.29900	0.20200	0.17700	0.13800	0.10600	0.11200
1.7000E 6	1.7720	0.20800	0.22900	0.28100	0.19800	0.17000	0.13600	0.10300	0.10600
1.7500E 6	1.7430	0.20400	0.22000	0.26100	0.19200	0.16400	0.13300	0.09900	0.09500
1.8000E 6	1.7148	0.19800	0.21000	0.23900	0.18300	0.15700	0.12700	0.09400	0.07900
1.8500E 6	1.6874	0.19200	0.19900	0.21500	0.17300	0.15000	0.12200	0.08700	0.05900

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	1.272	1.313	1.361	1.401	1.437	1.470	1.500	1.750
600.0000E 3	2.8134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
610.0000E 3	2.7969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
620.0000E 3	2.7806	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
640.0000E 3	2.7489	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660.0000E 3	2.7181	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680.0000E 3	2.6882	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690.0000E 3	2.6736	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
700.0000E 3	2.6593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
720.0000E 3	2.6311	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
740.0000E 3	2.6037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
760.0000E 3	2.5770	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
780.0000E 3	2.5510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
800.0000E 3	2.5257	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0000E 3	2.5010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
840.0000E 3	2.4769	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
860.0000E 3	2.4534	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
880.0000E 3	2.4304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
900.0000E 3	2.4079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
920.0000E 3	2.3860	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
940.0000E 3	2.3645	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
960.0000E 3	2.3434	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
980.0000E 3	2.3228	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0000E 6	2.3026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0500E 6	2.2538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1000E 6	2.2073	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1500E 6	2.1628	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2000E 6	2.1203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2500E 6	2.0794	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.3000E 6	2.0402	0.01200	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.3500E 6	2.0025	0.03300	0.00600	0.0	0.0	0.0	0.0	0.0	0.0
1.4000E 6	1.9661	0.05300	0.02000	0.00900	0.0	0.0	0.0	0.0	0.0
1.4500E 6	1.9310	0.07000	0.05000	0.02600	0.01300	0.00500	0.0	0.0	0.0
1.5000E 6	1.8971	0.08700	0.09000	0.05100	0.02700	0.02500	0.00700	0.0	0.0
1.5500E 6	1.8643	0.10300	0.13000	0.07400	0.04400	0.05500	0.02500	0.03000	0.0
1.6000E 6	1.8326	0.11400	0.15700	0.09700	0.06100	0.08200	0.04600	0.09100	0.0
1.6500E 6	1.8018	0.11700	0.16200	0.10200	0.07300	0.09400	0.06200	0.18700	0.0
1.7000E 6	1.7720	0.11300	0.15100	0.09400	0.07400	0.08600	0.05800	0.33300	0.0
1.7500E 6	1.7430	0.10400	0.12500	0.07500	0.06300	0.06300	0.03900	0.54500	0.0
1.8000E 6	1.7148	0.08700	0.09500	0.05800	0.04700	0.04100	0.02000	0.73900	0.03700
1.8500E 6	1.6874	0.06900	0.06600	0.04100	0.03200	0.02000	0.00500	0.90700	0.08600

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	0.045	0.148	0.310	0.680	0.732	0.838	0.939	0.968
1.9000E 6	1.6607	0.0	0.0	0.02500	0.02000	0.08400	0.07900	0.04600	0.17700
1.9500E 6	1.6348	0.0	0.0	0.01900	0.0	0.06600	0.07700	0.02300	0.15900
2.0000E 6	1.6094	0.0	0.0	0.01300	0.0	0.04800	0.07400	0.0	0.13900

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	1.006	1.047	1.076	1.123	1.150	1.190	1.210	1.246
1.9000E 6	1.6607	0.18400	0.18700	0.19100	0.16000	0.14300	0.11600	0.08000	0.04100
1.9500E 6	1.6348	0.17400	0.17500	0.16800	0.14400	0.13700	0.11000	0.07300	0.02300
2.0000E 6	1.6094	0.16300	0.16200	0.14400	0.12600	0.13000	0.10400	0.06600	0.00400

INELASTIC EXCITATION CROSS SECTIONS FOR U 238

E	U	1.272	1.313	1.361	1.401	1.437	1.470	1.500	1.750
1.9000E 6	1.6607	0.05100	0.03800	0.02300	0.01700	0.00700	0.0	1.02600	0.15500
1.9500E 6	1.6348	0.03200	0.01700	0.00800	0.00500	0.0	0.0	1.07500	0.24800
2.0000E 6	1.6094	0.01400	0.0	0.0	0.0	0.0	0.0	1.09300	0.38700

INELASTIC EXCITATION CROSS SECTIONS FOR PU239

E	U	0.008	0.057	0.076	0.164
7.5000E 3	7.1954	0.0	0.0	0.0	0.0
8.0000E 3	7.1309	0.0	0.0	0.0	0.0
8.5000E 3	7.0703	0.03500	0.0	0.0	0.0
9.0000E 3	7.0131	0.06100	0.0	0.0	0.0
9.5000E 3	6.9590	0.08200	0.0	0.0	0.0
10.0000E 3	6.9078	0.10000	0.0	0.0	0.0
12.0000E 3	6.7254	0.15600	0.0	0.0	0.0
14.0000E 3	6.5713	0.18300	0.0	0.0	0.0
16.0000E 3	6.4378	0.19600	0.0	0.0	0.0
18.0000E 3	6.3200	0.20400	0.0	0.0	0.0
20.0000E 3	6.2146	0.21100	0.0	0.0	0.0
25.0000E 3	5.9915	0.22200	0.0	0.0	0.0
30.0000E 3	5.8091	0.23000	0.0	0.0	0.0
35.0000E 3	5.6550	0.23500	0.0	0.0	0.0
40.0000E 3	5.5215	0.23900	0.0	0.0	0.0
45.0000E 3	5.4037	0.24200	0.0	0.0	0.0
50.0000E 3	5.2983	0.24500	0.0	0.0	0.0
55.0000E 3	5.2030	0.24800	0.0	0.0	0.0
60.0000E 3	5.1160	0.25000	0.00300	0.0	0.0
65.0000E 3	5.0360	0.25200	0.00900	0.0	0.0
70.0000E 3	4.9618	0.25400	0.01500	0.0	0.0
75.0000E 3	4.8929	0.25500	0.02000	0.0	0.0
80.0000E 3	4.8283	0.25700	0.02500	0.00100	0.0
85.0000E 3	4.7677	0.25800	0.03000	0.00200	0.0
90.0000E 3	4.7105	0.26000	0.03500	0.00400	0.0
95.0000E 3	4.6565	0.26200	0.03900	0.00500	0.0
100.0000E 3	4.6052	0.26300	0.04300	0.00700	0.0
110.0000E 3	4.5099	0.26700	0.05100	0.01000	0.0
120.0000E 3	4.4228	0.27000	0.05900	0.01300	0.0
130.0000E 3	4.3428	0.27300	0.06600	0.01700	0.0
140.0000E 3	4.2687	0.27600	0.07300	0.02000	0.0
150.0000E 3	4.1997	0.27800	0.08000	0.02400	0.0
160.0000E 3	4.1352	0.28100	0.08600	0.02700	0.0
170.0000E 3	4.0745	0.28300	0.09200	0.03000	0.00100
180.0000E 3	4.0174	0.28500	0.09800	0.03300	0.00200
190.0000E 3	3.9633	0.28700	0.10300	0.03600	0.00300
200.0000E 3	3.9120	0.28900	0.10900	0.03800	0.00400
210.0000E 3	3.8632	0.29100	0.11300	0.04100	0.00500
220.0000E 3	3.8167	0.29200	0.11800	0.04300	0.00600
230.0000E 3	3.7723	0.29400	0.12300	0.04600	0.00600

INELASTIC EXCITATION CROSS SECTIONS FOR PU239

E	U	0.008	0.057	0.076	0.164	0.286	0.331	0.392
240.0000E 3	3.7297	0.29500	0.12700	0.04800	0.00700	0.0	0.0	0.0
250.0000E 3	3.6889	0.29700	0.13100	0.05000	0.00800	0.0	0.0	0.0
260.0000E 3	3.6497	0.29900	0.13500	0.05200	0.00800	0.0	0.0	0.0
270.0000E 3	3.6119	0.30000	0.13800	0.05400	0.00900	0.0	0.0	0.0
280.0000E 3	3.5756	0.30100	0.14200	0.05600	0.01000	0.0	0.0	0.0
290.0000E 3	3.5405	0.30200	0.14500	0.05700	0.01000	0.00300	0.0	0.0
300.0000E 3	3.5066	0.30300	0.14800	0.05900	0.01100	0.01200	0.0	0.0
320.0000E 3	3.4420	0.30400	0.15500	0.06300	0.01100	0.02600	0.0	0.0
340.0000E 3	3.3814	0.30500	0.16100	0.06600	0.01200	0.03800	0.00300	0.0
360.0000E 3	3.3242	0.30600	0.16600	0.06900	0.01200	0.04900	0.01000	0.0
380.0000E 3	3.2702	0.30600	0.17100	0.07100	0.01300	0.05800	0.01700	0.0
400.0000E 3	3.2189	0.30700	0.17500	0.07400	0.01400	0.06500	0.02200	0.00400
450.0000E 3	3.1011	0.30700	0.18300	0.07800	0.01500	0.08200	0.03000	0.01500
500.0000E 3	2.9957	0.30700	0.19100	0.08000	0.01600	0.09600	0.03600	0.02300
550.0000E 3	2.9004	0.30600	0.19700	0.08200	0.01700	0.10500	0.04100	0.03000

Neutron elastic scattering angular distributions

Introduction

The neutron elastic scattering angular distributions tabulated in the following pages correspond to eye-guide curves through experimental data with extrapolations to 0 and 180° supplemented by optical model calculations in the case of lack of measurements. The heading of the first column, COS, is the cosine of the elastic scattering angle in the centre-of-mass system, the heading of columns 2 through 9 is the neutron incident energy in the laboratory system in eV, the content of the columns is the differential elastic scattering cross section in barn/steradian. Below and at the lowest energy for each material $\sigma_n(\theta_c)$ is assumed to be isotropic; for the light nuclei the lowest energy is 50 or 100 KeV, for the nuclei with $A \geqslant 23$ it is 10 KeV. The tabulation goes always up to some energy between 14 and 16 MeV. The table at the end of this introduction gives a brief survey on the energies, number of angular distributions and references covered for each material.

The documentation of the experimental data and of the pertinent optical model calculations is almost completely contained in the sections of KFK 120/part I dealing with the evaluation of $\bar{\mu}_L(E)$. Therefore we can restrict ourselves to some additional remarks.

From the systematic measurements of A.B. Smith and coworkers at Argonne [75] between 0.3 and 1.5 MeV on most of our materials and the measurements of Sayres and Lister [76] on O^{16} covering the range between 3.07 and 4.7 MeV in fine energy detail only Legendre coefficients, but not the experimental data themselves were available. Therefore these measurements were only considered in the evaluation of $\bar{\mu}_L$. Differences between $\bar{\mu}_L$ data tabulated in this volume and those corresponding to the tabulated $\sigma_n(\theta_c)$ are due to this neglect.

By lack of experimental data we identified, following nuclear systematics, $\sigma_n(\Theta_c)$ for Na with measurements on Al above 2.7 MeV with the exception of 3.97 MeV, for Cr and Ni with measurements on Fe (except a few energies) above about 2 MeV and for U^{235} and Pu^{239} with measurements on U^{238} in the whole energy range.

The measurements of Lane et al. [1], Langsdorf et al. [25], Lane and Monahan [26] and Elwyn et al. [27] determine the differential total scattering cross section, i.e. the (total) inelastic scattering angular distribution is contained in the experimental results. The measurements of Cranberg and Levin [60] and of Allen et al. [61] on U^{238} contain contributions of differential partial inelastic scattering cross sections. These measurements covering energies below about 2 MeV were reduced to pure elastic scattering angular distributions by assuming $\sigma_{n'}(\Theta_c)$ to be isotropic and subtracting $\sigma_{n'}/4\pi$ respectively $\sum_j \sigma_{n'}^{E_j}/4\pi$ from the measured data at all angles. For $\sigma_{n'}$ the values tabulated in this volume averaged over the energy resolution range of the $\sigma_n(\Theta)$ measurements were used. $\sigma_n(\Theta)$ data above 2 MeV occasionally contain inelastic scattering contributions; generally these could not be specified, thus no correction could be applied.

The optical model calculations of $\sigma_n(\Theta_c)$ for Mo in the range 7 to 13 MeV [74] were performed for the equivalent local potential of Perey and Buck [77] with inclusion of spin orbit coupling and with the best parameters given by these authors. For the angular distribution of Fe between 8 and 13 MeV and of U^{238} at 5 and 6 MeV and between 8 and 14 MeV we took over results of the optical model calculations of Wilmore [78]. Also in these calculations a potential equivalent to the non-local optical potential of Perey and Buck [77] was used.

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
He^4	0.1 - 0.3	3	isotropic	C^{12}	0.05	1	isotropic
	0.4 - 2.4	10	70		0.1 - 2.2	22	1
	2.61	1	71		2.28 ; 2,51	2	2
	2.73	1	70		2.7	1	3
	3.02 ; 4.05	2	72		2.76 - 3.76	6	2
	4.53 ; 5.54	2	71		4.1	1	2 ; 4
	5.97	1	72		4.21 ; 4.7	2	5
	6.5	1	71		5.0	1	6
	7.96 - 12.0	3	72		5.6	1	7
	14.3	1	71 ; 73		6.0	1	8 ; 9
	14.7	1	72		6.3	1	8
					7.0	1	8 ; 10
					7.58	1	5
					14.2	1	11;12;13;14

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
O^{16}	0.1	1	isotropic	O^{16}	3.7	1	21
	0.126 - 1.687	87	1		3.75	1	23
	1.75	1	19 ; 20		3.8 - 4.01	3	21
	2.0	1	21		4.05	1	16
	2.03	1	20		4.11	1	21
	2.15	1	19		4.3 - 4.85	3	16
	2.2	1	21		4.99	1	17
	2.25	1	20		5.0	1	6
	0.34 - 2.95	4	21		5.15	1	16
	3.0	1	23		5.66	1	17
	3.07	1	16		6.01	1	17 ; 23
	3.17 ; 3.29	2	21		6.53	1	17
	3.35	1	23		7.0	1	23
	3.4	1	21		7.11	1	16
	3.5	1	16;21;23		8.0 ; 11.6	2	17
	3.55	1	23		14.1	1	24
	3.61	1	21		14.92 ; 15.83	2	16
	3.65	1	23				

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
Na	0.01	1	isotropic	Cr	0.01	1	isotropic
	0.03 - 0.14	3	25		0.06 - 1.78	22	25
	0.21 - 0.82	31	26		2.0	1	50
	0.9 - 2.2	14	27	Cr	2.35	1	41
Na	2.515	1	28	Cr = Fe	2.45	1	40
Na = Al	2.7	1	3		2,5	1	10
	3.01	1	29		2.8	1	42
	3.5	1	30		2.9	1	43
	3.7	1	31		3.01	1	37
Na = Al	3.85	1	30		3.7	1	44;45
Na	3.97	1	28		3.99	1	37
Na = Al	4.1	1	4		4.1	1	4
	4.2 - 4.8	3	30		4.21 ; 4.7	2	44
	5.0	1	6		5.0	1	6
	7.0	1	10;32		6.04	1	46
Na = Al	14.3	1	14;33-36		7.0	1	10
					8.0 - 13.0	6	47
				Cr = Fe	14.5	1	14;34;36; 48;49

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
Fe	0.01	1	isotropic	Ni	0.01	1	isotropic
	0.06 - 1.8	19	25	Ni	0.06 - 1.44	18	25
	1.95	1	38	Ni = Fe	1.5 - 1.8	4	25
	2.01	1	37	Ni	2.0	1	50
	2.2	1	39	Ni = Fe	2.2	1	39
	2.25	1	40		2.25	1	40
	2.35	1	41		2.35	1	41
	2.45	1	40		2.45	1	40
	2.5	1	10		2.5	1	10
	2.8	1	42	Ni = Fe	2.8	1	42
	2.9	1	43	Ni	2.9	1	51
	3.01	1	37	Ni	3.7	1	52
	3.7	1	44;45	Ni = Fe	3.99	1	37
	3.99	1	37		4.1	1	4
	4.1	1	4	Ni = Fe	4.21 ; 4.7	2	44
	4.21 ; 4.7	2	44	Ni	5.0	1	6
	5.0	1	6	Ni = Fe	6.04	1	46
	6.04	1	46		7.0	1	10
	7.0	1	10	Ni = Fe	8.0 - 13.0	6	47
	8.0 - 13.0	6	47	Ni	14.0	1	53
	14.5	1	14;34;36; 48;49				

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
Mo	0.01	1	isotropic	Mo	1.0	1	55
	0.03 - 0.33	5	25		1.05 - 1.37	5	25
	0.4 ; 0.45	2	54		2.0	1	50
	0.48	1	25		2.9	1	51
	0.51 - 0.6	3	54		3.7	1	56
	0.64	1	25		4.1	1	57
	0.7	1	54		5.0	1	6
	0.73	1	25		6.04	1	46
	0.8 ; 0.85	2	54		7.0 - 13.0	7	74
	0.89 ; 0.97	2	25		14.0	1	11

Material	Energy (MeV)	Number of angular distributions	Reference	Material	Energy (MeV)	Number of angular distributions	Reference
U^{238}	0.01	1	isotropic	U^{238}	0.95	1	59
	0.05	1	1		0.98	1	60
	0.075	1	58		1.10 ; 1.17	2	59
	0.1	1	1		1.2	1	1
	0.157	1	58		1.25	1	59
	0.2	1	1		1.4 - 1.8	3	1
	0.25	1	58		2.0	1	60
	0.3	1	1		2.2	1	1
	0.35	1	59		2.5	1	10
	0.4	1	1		3.0 ; 4.0	2	62
	0.5	1	61		4.1	1	10
	0.55	1	60		5.0 ; 6.0	2	47
	0.6	1	1		7.0	1	62
	0.65 - 0.77	3	59		8.0 - 14.0	7	47
	0.8	1	1		15.2	1	63

Literature References

1. R.O. Lane et al., Ann. Phys. (N.Y.) 12, 135, 1961; see also ANL-6172, 1962
2. J.E. Wills et al., Phys. Rev. 109, 891, 1958
3. R.N. Little et al., Phys. Rev. 98, 634, 1955
4. M. Walt, J.R. Beyster, Phys. Rev. 98, 677, 1955
5. N.A. Bostrom et al., WADC-TN-59-107, 1959
6. R.W. Hill, Phys. Rev. 109, 2105, 1957
7. J.E. Braley, C.W. Cook, Phys. Rev. 118, 808, 1960
8. E. Haddad, D.D. Phillips, Bull. Am. Phys. Soc. 4, 358, 1959
9. R.M. Wilenzick et al., Bull. Am. Phys. Soc. 1, 23, 1962
10. J.R. Beyster et al., Phys. Rev. 104, 1319, 1956
11. V.I. Strizhak et al., Sov. Phys. JETP 14, 225, 1962
12. R.L. Clarke, W.G. Cross, BNL-400, 2nd. ed., 1962, p. 6-0-8
13. M.P. Nakada et al., Phys. Rev. 110, 1439, 1958
14. J.H. Coon et al., Phys. Rev. 111, 250, 1958
15. J.L. Fowler, C.H. Johnson, Phys. Rev. 98, 728, 1955
16. N.A. Bostrom et al., WADC-TR-57-446, 1957
17. L.F. Chase et al., AFSWC-TR-61-15, 1961
18. D.D. Phillips, BNL-400, 2nd ed., 1962, p. 7-0-6
19. J.L. Fowler, H.O. Cohn, Phys. Rev. 109, 89, 1958
20. J.P. Martin, M.S. Zucker, Bull. Am. Phys. Soc. 7, 72, 1962

21. W. Hunzinger, P. Huber, Helv. Phys. Acta 35, 351, 1962
22. G.N. Lovchikova, At. Energ. 13, 60, 1962
23. D.D. Phillips, BNL-400, 2nd ed., 1962, p. 8-0-4 f.
24. J.P. Conner, Phys. Rev. 89, 712, 1953
25. A. Langsdorf et al., ANL-5567 Rev., 1961
26. R.O. Lane, J.E. Monahan, Phys. Rev. 118, 533, 1960
27. A.J. Elwyn et al., Nucl. Phys. 59, 113, 1964
28. J.H. Towle, W.B. Gilboy, Nucl. Phys. 32, 610, 1962
29. J.H. Towle, W.B. Gilboy, BNL-400, 2nd ed., 1962, p. 13-0-1 f.
30. K. Tsukada et al., IAEA Seminar on the Physics of Fast and Intermediate Reactors, Wien, 1961, Proceed. Vol. 1, p. 75
31. W.D. Whitehead, S.C. Snowdon, Phys. Rev. 92, 114, 1953
32. D.B. Thomson, BNL-400, 2nd ed., 1962, p. 13-0-4
33. C.St. Pierre et al., Phys. Rev. 115, 999, 1959
34. K. Yuasa, J. Phys. Soc. Japan 13, 1248, 1958
35. J.D. Anderson et al., Phys. Rev. 115, 1010, 1959
36. M.M. Khaletskii, Sov. Phys. Doklady 2, 152, 1957
37. W.B. Gilboy, J.H. Towle, Nucl. Phys. 64, 130, 1965
38. D.J. Bredin, Phys. Rev. 135, B 412, 1964
39. H.H. Landon et al., Phys. Rev. 112, 1192, 1958
40. L. Cranberg, J.S. Levin, Phys. Rev. 103, 343, 1956

41. O.A. Salnikov, J. Nucl. En. 8, 119, 1958
42. M.V. Pasechnik et al., Geneva Conf. 1958, Vol. 15, p. 18
43. V.I. Popov, J. Nucl. En. 9, 9, 1959
44. N.A. Bostrom et al., WADC-TR-59-31, 1959
45. M.K. Machwe et al., Phys. Rev. 92, 114, 1953
46. R.M. Wilenzick et al., Nucl. Phys. 62, 511, 1965
47. D. Wilmore, AERE-R-4649 (EANDC(UK)-36 "U"), 1964
48. J.O. Elliot, Phys. Rev. 101, 684, 1956
49. J.D. Anderson et al., Phys. Rev. 110, 160, 1958
50. L.Y. Kasakova et al., EANDC Conf. on the Study of Nuclear Structure with Neutrons, Antwerp, 1965, P/200
51. V.I. Strizhak et al., Ukrain. Fiz. Zhur. 5, 704, 1960
52. M.K. Machwe et al., Phys. Rev. 114, 1563, 1959
53. R.W. Bauer et al., Nucl. Phys. 48, 152, 1963
54. A.J. Elwyn et al., Phys. Rev. 133, B 80, 1964
55. M. Walt, H.H. Barschall, Phys. Rev. 93, 1062, 1954
56. H.S. Hans, S.C. Snowdon, Phys. Rev. 108, 1028, 1957
57. L.D. Vincent et al. WADD-TR-60-217, 1960
58. E. Barnard et al., EANDC Conf. on the Study of Nuclear Structure with Neutrons, Antwerp, 1965, P/26
59. A.B. Smith, BNL-400, 2nd ed., 1962, p. 92-0-1 f.
60. L. Cranberg, J.S. Levin, Phys. Rev. 109, 2063, 1958

61. R.C. Allen et al., Phys. Rev. 104, 731, 1956;
R.C. Allen, Nucl. Sci. Eng. 2, 787, 1957

62. R. Batchelor et al. Nucl. Phys. 65, 236, 1965

63. C.I. Hudson et al., Phys. Rev. 128, 1271, 1962

64. W.D. Allen et al., Proc. Phys. Soc. (London) A 68, 650, 1955

65. R.K. Adair et al., Phys. Rev. 89, 1165, 1953

66. J.D. Seagrave, L. Cranberg, Phys. Rev. 105, 1816, 1957

67. E. Wantuch, Phys. Rev. 84, 169, 1951

68. J.C. Allred et al., Phys. Rev. 91, 90, 1953

69. J.D. Seagrave, Phys. Rev. 97, 757, 1955

70. R.K. Adair, Phys. Rev. 86, 155, 1952

71. J.D. Seagrave, Phys. Rev. 92, 1222, 1953

72. S.M. Austin et al., Phys. Rev. 126, 1532, 1962

73. D.F. Shaw, Proc. Phys. Soc. (London) A 68, 43, 1955

74. I. Langner, I. Siep, 1966, unpublished

75. A.B. Smith, P.T. Guenther, EANDC(US)-62, 1964

76. D. Lister, A. Sayres, WASH-1046, 1964, p. 30; WASH-1048, 1964, p. 21 f.;
WASH-1053, 1965, p. 17 f.; WASH-1056, 1965, p. 17 f.

77. F.G. Perey, B. Buck, Nucl. Phys. 32, 353, 1962

78. D. Wilmore, AERE-R 4649 (EANDC(UK)-36 "U"), 1964

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR HE 4

COS / E	1.0000E 05	2.0000E 05	3.0000E 05	4.0000E 05	6.0000E 05	7.5000E 05	8.6500E 05	1.0000E 06
1.00	5.8000E-02	6.2000E-02	7.2000E-02	5.0000E-02	1.0500E-01	2.4500E-01	4.1400E-01	6.7500E-01
0.90	5.8000E-02	6.2000E-02	7.2000E-02	5.0000E-02	8.8000E-02	2.1400E-01	3.7700E-01	6.2000E-01
0.80	5.8000E-02	6.2000E-02	7.2000E-02	5.0000E-02	7.5000E-02	1.8700E-01	3.4200E-01	5.6000E-01
0.70	5.8000E-02	6.2000E-02	7.2000E-02	5.1000E-02	6.3000E-02	1.6500E-01	3.0600E-01	5.0000E-01
0.60	5.8000E-02	6.2000E-02	7.2000E-02	5.2000E-02	5.7000E-02	1.4700E-01	2.7600E-01	4.4500E-01
0.50	5.8000E-02	6.2000E-02	7.2000E-02	5.5000E-02	5.5000E-02	1.3300E-01	2.4700E-01	3.8800E-01
0.40	5.8000E-02	6.2000E-02	7.2000E-02	5.8000E-02	5.8000E-02	1.2400E-01	2.2500E-01	3.3700E-01
0.30	5.8000E-02	6.2000E-02	7.2000E-02	6.0000E-02	6.5000E-02	1.2000E-01	2.0600E-01	2.9500E-01
0.20	5.8000E-02	6.2000E-02	7.2000E-02	6.3000E-02	7.5000E-02	1.2300E-01	1.9300E-01	2.7500E-01
0.10	5.8000E-02	6.2000E-02	7.2000E-02	6.8000E-02	9.0000E-02	1.3600E-01	1.9300E-01	2.7200E-01
0.00	5.8000E-02	6.2000E-02	7.2000E-02	7.6000E-02	1.0700E-01	1.5300E-01	2.0600E-01	2.8300E-01
-0.10	5.8000E-02	6.2000E-02	7.2000E-02	8.5000E-02	1.2600E-01	1.7800E-01	2.3300E-01	3.0000E-01
-0.20	5.8000E-02	6.2000E-02	7.2000E-02	9.6000E-02	1.4500E-01	2.0500E-01	2.7500E-01	3.3000E-01
-0.30	5.8000E-02	6.2000E-02	7.2000E-02	1.0700E-01	1.6500E-01	2.4000E-01	3.2300E-01	3.6500E-01
-0.40	5.8000E-02	6.2000E-02	7.2000E-02	1.2300E-01	1.8600E-01	2.8000E-01	3.7400E-01	4.0500E-01
-0.50	5.8000E-02	6.2000E-02	7.2000E-02	1.3700E-01	2.0700E-01	3.2600E-01	4.2800E-01	4.5000E-01
-0.60	5.8000E-02	6.2000E-02	7.2000E-02	1.5200E-01	2.3200E-01	3.7400E-01	4.8700E-01	4.9700E-01
-0.70	5.8000E-02	6.2000E-02	7.2000E-02	1.6700E-01	2.5600E-01	4.2800E-01	5.4700E-01	5.4700E-01
-0.80	5.8000E-02	6.2000E-02	7.2000E-02	1.8500E-01	2.8300E-01	4.8900E-01	6.1000E-01	6.0000E-01
-0.90	5.8000E-02	6.2000E-02	7.2000E-02	2.0200E-01	3.1000E-01	5.5000E-01	6.7300E-01	6.5000E-01
-1.00	5.8000E-02	6.2000E-02	7.2000E-02	2.2000E-01	3.3700E-01	6.1000E-01	7.3700E-01	7.0000E-01

COS / E	1.2000E 06	1.4000E 06	1.7000E 06	2.0000E 06	2.4000E 06	2.6100E 06	2.7300E 06	3.0200E 06
1.00	1.2000E 00	8.0000E-01	8.2000E-01	6.7000E-01	5.1000E-01	5.7000E-01	4.8500E-01	5.5000E-01
0.90	1.0750E 00	7.3000E-01	7.4500E-01	6.1000E-01	4.6500E-01	5.2500E-01	4.4000E-01	5.0000E-01
0.80	9.4500E-01	6.6000E-01	6.7000E-01	5.5500E-01	4.2000E-01	4.8000E-01	3.9000E-01	4.5000E-01
0.70	8.1500E-01	5.9000E-01	5.9500E-01	4.9500E-01	3.7000E-01	4.3500E-01	3.4000E-01	4.0000E-01
0.60	6.8000E-01	5.2500E-01	5.2500E-01	4.3500E-01	3.2500E-01	3.9000E-01	2.9500E-01	3.5000E-01
0.50	5.4500E-01	4.6000E-01	4.5000E-01	3.7500E-01	2.8000E-01	3.4500E-01	2.5000E-01	3.0000E-01
0.40	4.2500E-01	4.0500E-01	3.7500E-01	3.1700E-01	2.4000E-01	3.0000E-01	2.0500E-01	2.6000E-01
0.30	3.4000E-01	3.5500E-01	3.2000E-01	2.6700E-01	2.0300E-01	2.6000E-01	1.7000E-01	2.2700E-01
0.20	3.0000E-01	3.1000E-01	2.7500E-01	2.2600E-01	1.7200E-01	2.2000E-01	1.4000E-01	1.9700E-01
0.10	2.8700E-01	2.7500E-01	2.3700E-01	1.9200E-01	1.4600E-01	1.8500E-01	1.1500E-01	1.7500E-01
0.00	2.9000E-01	2.5000E-01	2.1300E-01	1.7000E-01	1.2700E-01	1.5500E-01	9.8000E-02	1.5200E-01
-0.10	3.0400E-01	2.3500E-01	1.9300E-01	1.5600E-01	1.1500E-01	1.3300E-01	9.2000E-02	1.3500E-01
-0.20	3.3500E-01	2.3000E-01	1.8200E-01	1.4800E-01	1.0400E-01	1.1500E-01	8.6000E-02	1.2000E-01
-0.30	3.7000E-01	2.3700E-01	1.7900E-01	1.4500E-01	1.0000E-01	1.0500E-01	8.1000E-02	1.1200E-01
-0.40	4.1000E-01	2.5100E-01	1.8200E-01	1.4300E-01	9.8000E-02	1.0000E-01	7.8000E-02	1.0800E-01
-0.50	4.5400E-01	2.7100E-01	1.8700E-01	1.4400E-01	9.8000E-02	9.5000E-02	7.7000E-02	1.0600E-01
-0.60	5.0000E-01	2.9800E-01	1.9800E-01	1.4600E-01	9.8000E-02	9.5000E-02	7.8000E-02	1.0700E-01
-0.70	5.5000E-01	3.3500E-01	2.1400E-01	1.5000E-01	9.8000E-02	9.8000E-02	7.8000E-02	1.0800E-01
-0.80	6.0500E-01	3.8000E-01	2.3100E-01	1.5600E-01	1.0000E-01	1.0000E-01	7.7000E-02	1.1100E-01
-0.90	6.6000E-01	4.2700E-01	2.4800E-01	1.6200E-01	1.0300E-01	1.0500E-01	7.6000E-02	1.1500E-01
-1.00	7.1500E-01	4.7800E-01	2.6300E-01	1.7000E-01	1.0900E-01	1.1000E-01	7.5000E-02	1.2000E-01

CCS / E	4.0500E 06	4.5300E 06	5.5400E 06	5.9700E 06	6.5000E 06	7.9600E 06	1.0000E 07	1.2000E 07
1.00	5.0500E-01	4.5500E-01	4.8500E-01	4.0000E-01	4.0000E-01	3.9500E-01	3.6000E-01	3.3000E-01
0.90	4.6000E-01	4.1200E-01	4.4000E-01	3.6500E-01	3.6500E-01	3.5500E-01	3.2500E-01	2.9500E-01
0.80	4.1500E-01	3.7000E-01	3.9500E-01	3.3000E-01	3.3000E-01	3.1500E-01	2.9000E-01	2.6000E-01
0.70	3.7000E-01	3.2800E-01	3.5000E-01	2.9700E-01	2.9000E-01	2.7500E-01	2.5000E-01	2.3000E-01
0.60	3.2000E-01	2.8500E-01	3.1000E-01	2.6400E-01	2.5500E-01	2.3500E-01	2.1500E-01	1.9500E-01
0.50	2.7500E-01	2.4500E-01	2.6000E-01	2.3000E-01	2.1500E-01	1.9500E-01	1.7500E-01	1.6000E-01
0.40	2.3500E-01	2.0800E-01	2.2000E-01	1.9600E-01	1.8000E-01	1.6000E-01	1.4500E-01	1.3000E-01
0.30	1.9500E-01	1.7500E-01	1.7500E-01	1.6400E-01	1.5000E-01	1.3000E-01	1.1500E-01	1.0300E-01
0.20	1.6500E-01	1.4600E-01	1.3500E-01	1.3300E-01	1.2500E-01	1.0500E-01	9.0000E-02	8.0000E-02
0.10	1.4000E-01	1.2600E-01	1.1000E-01	1.0700E-01	9.7000E-02	8.0000E-02	6.7000E-02	6.1000E-02
0.00	1.1700E-01	1.0700E-01	9.0000E-02	8.7000E-02	7.5000E-02	6.0000E-02	4.9000E-02	4.5000E-02
-0.10	1.0500E-01	9.2000E-02	7.5000E-02	7.0000E-02	6.0000E-02	4.8000E-02	3.6000E-02	3.0000E-02
-0.20	9.0000E-02	8.1000E-02	6.5000E-02	5.7000E-02	4.7000E-02	3.7000E-02	2.6000E-02	2.3000E-02
-0.30	8.2000E-02	7.3000E-02	5.5000E-02	5.0000E-02	4.0000E-02	3.0000E-02	2.0000E-02	1.8000E-02
-0.40	7.8000E-02	6.8000E-02	5.5000E-02	4.9000E-02	3.5000E-02	2.9000E-02	1.9000E-02	1.7000E-02
-0.50	7.9000E-02	6.7000E-02	5.5000E-02	5.1000E-02	4.0000E-02	3.0000E-02	2.0000E-02	1.8000E-02
-0.60	8.2000E-02	7.0000E-02	5.5000E-02	5.7000E-02	4.8000E-02	3.7000E-02	2.3000E-02	2.0000E-02
-0.70	8.7000E-02	7.7000E-02	6.0000E-02	6.7000E-02	5.6000E-02	4.7000E-02	3.6000E-02	2.8000E-02
-0.80	9.3000E-02	9.0000E-02	7.2000E-02	7.7000E-02	6.5000E-02	6.1000E-02	4.8000E-02	4.2000E-02
-0.90	1.0300E-01	1.0400E-01	8.5000E-02	9.2000E-02	7.5000E-02	7.7000E-02	6.3000E-02	5.6000E-02
-1.00	1.1500E-01	1.2300E-01	9.8000E-02	1.1000E-01	8.5000E-02	9.5000E-02	8.0000E-02	7.0000E-02

CCS / E	1.4300E 07	1.4700E 07
1.00	2.9500E-01	2.7000E-01
0.90	2.6000E-01	2.4000E-01
0.80	2.2700E-01	2.1000E-01
0.70	1.9300E-01	1.8000E-01
0.60	1.6000E-01	1.5000E-01
0.50	1.3200E-01	1.2000E-01
0.40	1.0500E-01	9.5000E-02
0.30	8.0000E-02	8.0000E-02
0.20	5.5000E-02	6.0000E-02
0.10	4.5000E-02	4.8000E-02
0.00	3.5000E-02	3.5000E-02
-0.10	2.5000E-02	2.5000E-02
-0.20	1.5000E-02	2.0000E-02
-0.30	1.0000E-02	1.5000E-02
-0.40	1.0000E-02	1.3000E-02
-0.50	1.5000E-02	1.5000E-02
-0.60	2.0000E-02	2.0000E-02
-0.70	2.7000E-02	2.7000E-02
-0.80	3.8000E-02	3.5000E-02
-0.90	4.9000E-02	4.5000E-02
-1.00	6.0000E-02	5.7000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR C 12

COS / E	5.0000E 04	1.0000E 05	2.0000E 05	4.0000E 05	6.0000E 05	8.0000E 05	1.0000E 06	1.2000E 06
1.00	3.6200E-01	3.7000E-01	3.6000E-01	3.2500E-01	3.0500E-01	2.8000E-01	2.7000E-01	2.5000E-01
0.90	3.6200E-01	3.7000E-01	3.5500E-01	3.2000E-01	3.0000E-01	2.7000E-01	2.6000E-01	2.4000E-01
0.80	3.6200E-01	3.7000E-01	3.5500E-01	3.2000E-01	2.9500E-01	2.6500E-01	2.5000E-01	2.2500E-01
0.70	3.6200E-01	3.7000E-01	3.5000E-01	3.1500E-01	2.9000E-01	2.6000E-01	2.4000E-01	2.1500E-01
0.60	3.6200E-01	3.6500E-01	3.5000E-01	3.1500E-01	2.8000E-01	2.5500E-01	2.3000E-01	2.0500E-01
0.50	3.6200E-01	3.6500E-01	3.5000E-01	3.1000E-01	2.8000E-01	2.5000E-01	2.2000E-01	2.0000E-01
0.40	3.6200E-01	3.6500E-01	3.4500E-01	3.1000E-01	2.7000E-01	2.4500E-01	2.1500E-01	1.9500E-01
0.30	3.6200E-01	3.6000E-01	3.4500E-01	3.0500E-01	2.7000E-01	2.4000E-01	2.1000E-01	1.9000E-01
0.20	3.6200E-01	3.6000E-01	3.4000E-01	3.0000E-01	2.6000E-01	2.3500E-01	2.0700E-01	1.8500E-01
0.10	3.6200E-01	3.6000E-01	3.4000E-01	3.0000E-01	2.5500E-01	2.3000E-01	2.0500E-01	1.8000E-01
0.00	3.6200E-01	3.6000E-01	3.4000E-01	2.9000E-01	2.5000E-01	2.2000E-01	2.0200E-01	1.8000E-01
-0.10	3.6200E-01	3.6000E-01	3.3500E-01	2.9000E-01	2.4500E-01	2.2000E-01	2.0000E-01	1.8000E-01
-0.20	3.6200E-01	3.6000E-01	3.3000E-01	2.8500E-01	2.4000E-01	2.1500E-01	2.0000E-01	1.8000E-01
-0.30	3.6200E-01	3.6000E-01	3.3000E-01	2.8000E-01	2.4000E-01	2.1000E-01	1.9500E-01	1.7500E-01
-0.40	3.6200E-01	3.5500E-01	3.3000E-01	2.7500E-01	2.3500E-01	2.0700E-01	1.9000E-01	1.7500E-01
-0.50	3.6200E-01	3.5500E-01	3.2500E-01	2.7000E-01	2.3000E-01	2.0000E-01	1.8500E-01	1.7000E-01
-0.60	3.6200E-01	3.5500E-01	3.2500E-01	2.6500E-01	2.2500E-01	2.0000E-01	1.8000E-01	1.6500E-01
-0.70	3.6200E-01	3.5000E-01	3.2000E-01	2.6000E-01	2.2000E-01	1.9500E-01	1.7500E-01	1.6000E-01
-0.80	3.6200E-01	3.5000E-01	3.2000E-01	2.5500E-01	2.2000E-01	1.9000E-01	1.7000E-01	1.6000E-01
-0.90	3.6200E-01	3.5000E-01	3.2000E-01	2.5000E-01	2.1500E-01	1.9000E-01	1.6500E-01	1.6000E-01
-1.00	3.6200E-01	3.5000E-01	3.2000E-01	2.4500E-01	2.1500E-01	1.8500E-01	1.6000E-01	1.6000E-01

COS / E	1.4000E 06	1.6000E 06	1.8000E 06	2.0000E 06	2.0500E 06	2.0600E 06	2.0700E 06	2.0750E 06
1.00	2.2500E-01	2.1000E-01	2.0000E-01	1.4000E-01	1.3000E-01	1.3000E-01	2.3000E-01	5.3000E-01
0.90	2.1500E-01	2.0000E-01	1.8500E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.9000E-01	3.7000E-01
0.80	2.1000E-01	1.9000E-01	1.7000E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.7000E-01	2.6000E-01
0.70	2.0000E-01	1.8000E-01	1.6500E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.5000E-01	2.0000E-01
0.60	1.9000E-01	1.7000E-01	1.6000E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.4000E-01	1.7500E-01
0.50	1.8500E-01	1.6500E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.3500E-01	1.6000E-01
0.40	1.8000E-01	1.6000E-01	1.5000E-01	1.3500E-01	1.3000E-01	1.3000E-01	1.3500E-01	1.5000E-01
0.30	1.7500E-01	1.5500E-01	1.4500E-01	1.3500E-01	1.3000E-01	1.3000E-01	1.3500E-01	1.4000E-01
0.20	1.7000E-01	1.5500E-01	1.4000E-01	1.3000E-01	1.3000E-01	1.2700E-01	1.3000E-01	1.3500E-01
0.10	1.6500E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2500E-01	1.2500E-01	1.3000E-01	1.3000E-01
0.00	1.6000E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2500E-01	1.2200E-01	1.2500E-01	1.2000E-01
-0.10	1.6000E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2000E-01	1.2000E-01	1.1500E-01
-0.20	1.5500E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2000E-01	1.1500E-01	1.1000E-01
-0.30	1.5200E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2000E-01	1.1000E-01	1.0500E-01
-0.40	1.5000E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2000E-01	1.0500E-01	1.0500E-01
-0.50	1.5000E-01	1.4700E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2200E-01	1.1000E-01	1.1500E-01
-0.60	1.5000E-01	1.4500E-01	1.4000E-01	1.3000E-01	1.2500E-01	1.2500E-01	1.3000E-01	1.5500E-01
-0.70	1.5000E-01	1.4000E-01	1.4000E-01	1.3000E-01	1.3500E-01	1.3000E-01	1.5000E-01	2.2500E-01
-0.80	1.5000E-01	1.4000E-01	1.3500E-01	1.2500E-01	1.5000E-01	1.5000E-01	1.9000E-01	3.2500E-01
-0.90	1.5000E-01	1.3500E-01	1.3500E-01	1.2200E-01	1.6000E-01	1.8000E-01	2.4000E-01	4.6000E-01
-1.00	1.5000E-01	1.3000E-01	1.3000E-01	1.2000E-01	1.8000E-01	2.1000E-01	3.2000E-01	6.8000E-01

COS / E	2.0800E 06	2.0850E 06	2.0900E 06	2.1000E 06	2.1250E 06	2.1500E 06	2.2000E 06	2.2800E 06
1.00	1.3600E 00	1.2200E 00	7.4000E-01	3.6000E-01	2.3500E-01	2.0500E-01	1.7000E-01	2.0500E-01
0.90	9.8000E-01	1.0000E 00	5.7000E-01	3.0000E-01	2.1000E-01	1.8500E-01	1.6000E-01	1.9000E-01
0.80	6.8000E-01	7.2000E-01	4.3000E-01	2.5500E-01	1.8500E-01	1.7000E-01	1.5000E-01	1.7000E-01
0.70	4.7000E-01	5.0000E-01	3.2000E-01	2.1500E-01	1.6500E-01	1.5000E-01	1.4000E-01	1.5500E-01
0.60	3.2000E-01	3.3000E-01	2.4000E-01	1.8000E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.4500E-01
0.50	2.3000E-01	2.2000E-01	1.8000E-01	1.5000E-01	1.3000E-01	1.2500E-01	1.2000E-01	1.3000E-01
0.40	1.6000E-01	1.5000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.1500E-01	1.1500E-01	1.2000E-01
0.30	1.2000E-01	1.0000E-01	1.1000E-01	1.1500E-01	1.1500E-01	1.1000E-01	1.1000E-01	1.1000E-01
0.20	8.0000E-02	8.0000E-02	9.0000E-02	1.0500E-01	1.1000E-01	1.0500E-01	1.0200E-01	1.0500E-01
0.10	6.5000E-02	6.0000E-02	8.0000E-02	1.0500E-01	1.1000E-01	1.0500E-01	1.0000E-01	1.0500E-01
0.00	6.0000E-02	6.0000E-02	8.0000E-02	1.1000E-01	1.1000E-01	1.0500E-01	1.0000E-01	1.0500E-01
-0.10	6.0000E-02	7.0000E-02	8.0000E-02	1.1500E-01	1.1000E-01	1.0500E-01	1.0000E-01	1.0500E-01
-0.20	7.0000E-02	1.0000E-01	1.0000E-01	1.2000E-01	1.1200E-01	1.1000E-01	1.0000E-01	1.0500E-01
-0.30	1.0000E-01	1.3000E-01	1.2000E-01	1.3000E-01	1.2000E-01	1.1200E-01	1.0500E-01	1.1000E-01
-0.40	1.5000E-01	1.8000E-01	1.6000E-01	1.4500E-01	1.2200E-01	1.2000E-01	1.1000E-01	1.1000E-01
-0.50	2.2000E-01	2.5000E-01	1.9000E-01	1.5500E-01	1.3000E-01	1.2200E-01	1.1500E-01	1.2000E-01
-0.60	3.4000E-01	3.5000E-01	2.4000E-01	1.7000E-01	1.4000E-01	1.3000E-01	1.2000E-01	1.2500E-01
-0.70	5.0000E-01	4.8000E-01	2.8000E-01	1.8000E-01	1.5000E-01	1.3700E-01	1.3000E-01	1.3500E-01
-0.80	7.0000E-01	6.2000E-01	3.4000E-01	2.0000E-01	1.6000E-01	1.4500E-01	1.3500E-01	1.4500E-01
-0.90	9.2000E-01	8.0000E-01	4.0000E-01	2.1500E-01	1.7000E-01	1.5200E-01	1.4500E-01	1.6000E-01
-1.00	1.2000E 00	9.7000E-01	4.7000E-01	2.3000E-01	1.8000E-01	1.6000E-01	1.5500E-01	1.8000E-01

COS / E	2.5100E 06	2.7000E 06	2.7600E 06	2.9500E 06	3.0500E 06	3.2500E 06	3.5100E 06	3.7600E 06
1.00	1.8000E-01	2.4000E-01	2.6000E-01	5.7500E-01	1.4000E-01	3.9000E-01	5.4500E-01	5.4500E-01
0.90	1.7000E-01	2.0500E-01	2.3500E-01	4.7500E-01	1.3000E-01	3.2500E-01	4.5000E-01	4.4500E-01
0.80	1.6000E-01	1.7500E-01	2.1000E-01	3.8500E-01	1.2000E-01	2.6500E-01	3.6000E-01	3.4000E-01
0.70	1.5000E-01	1.5000E-01	1.8500E-01	3.0200E-01	1.1000E-01	2.1000E-01	2.8000E-01	2.5000E-01
0.60	1.4000E-01	1.2500E-01	1.6000E-01	2.3500E-01	1.0000E-01	1.6500E-01	2.1000E-01	1.6500E-01
0.50	1.3000E-01	1.0500E-01	1.4000E-01	1.8000E-01	9.5000E-02	1.2000E-01	1.5000E-01	1.1000E-01
0.40	1.2000E-01	9.0000E-02	1.2000E-01	1.3500E-01	9.0000E-02	8.7000E-02	1.0000E-01	7.5000E-02
0.30	1.1000E-01	8.0000E-02	1.0500E-01	9.0000E-02	8.5000E-02	6.0000E-02	6.0000E-02	5.5000E-02
0.20	1.0000E-01	7.0000E-02	9.0000E-02	5.5000E-02	8.0000E-02	4.0000E-02	3.5000E-02	4.5000E-02
0.10	9.0000E-02	7.0000E-02	8.0000E-02	3.2000E-02	8.0000E-02	2.0000E-02	2.0000E-02	4.0000E-02
0.00	8.5000E-02	6.5000E-02	7.2500E-02	2.0000E-02	8.0000E-02	1.5000E-02	1.0000E-02	4.5000E-02
-0.10	9.0000E-02	6.0000E-02	7.0000E-02	2.2000E-02	8.0000E-02	1.0000E-02	1.2000E-02	5.0000E-02
-0.20	9.5000E-02	6.0000E-02	7.0000E-02	3.5000E-02	8.0000E-02	3.0000E-02	2.5000E-02	6.0000E-02
-0.30	1.0500E-01	6.0000E-02	8.0000E-02	6.0000E-02	8.2000E-02	5.5000E-02	5.5000E-02	7.5000E-02
-0.40	1.1500E-01	6.0000E-02	1.0750E-01	1.0500E-01	9.0000E-02	9.0000E-02	9.0000E-02	9.0000E-02
-0.50	1.3000E-01	6.5000E-02	1.4500E-01	1.8000E-01	1.0500E-01	1.3500E-01	1.5000E-01	1.3000E-01
-0.60	1.5000E-01	7.0000E-02	1.8000E-01	2.6200E-01	1.2200E-01	1.8500E-01	2.2000E-01	1.9500E-01
-0.70	1.7000E-01	7.0000E-02	2.2000E-01	3.5000E-01	1.4000E-01	2.4000E-01	2.9000E-01	2.6000E-01
-0.80	1.9000E-01	7.5000E-02	2.6000E-01	4.4000E-01	1.6500E-01	2.9000E-01	3.6000E-01	3.3500E-01
-0.90	2.1000E-01	8.0000E-02	3.0000E-01	5.3000E-01	1.9000E-01	3.5000E-01	4.4500E-01	4.1000E-01
-1.00	2.3500E-01	8.5000E-02	3.4500E-01	6.3000E-01	2.1500E-01	4.1500E-01	5.3000E-01	5.0000E-01

CDS / E	4.1000E 06	4.2100E 06	4.7000E 06	5.0000E 06	5.6000E 06	6.0000E 06	6.3000E 06	7.0000E 06
1.00	5.0000E-01	5.7000E-01	6.4500E-01	3.9500E-01	2.4000E-01	2.0000E-01	4.2000E-01	1.3500E-01
0.90	3.3500E-01	4.1500E-01	4.8500E-01	2.5000E-01	1.8500E-01	1.6000E-01	2.6600E-01	1.1500E-01
0.80	2.2500E-01	3.0500E-01	3.3500E-01	1.6500E-01	1.4000E-01	1.2600E-01	1.4800E-01	9.5000E-02
0.70	1.5000E-01	2.3000E-01	2.3500E-01	1.2000E-01	1.0000E-01	9.4000E-02	8.0000E-02	8.0000E-02
0.60	1.0000E-01	1.7000E-01	1.9000E-01	9.5000E-02	7.0000E-02	7.2000E-02	5.4000E-02	6.7000E-02
0.50	7.0000E-02	1.3000E-01	1.6000E-01	7.2000E-02	5.5000E-02	4.9000E-02	3.8000E-02	6.0000E-02
0.40	6.0000E-02	1.1000E-01	1.4000E-01	6.0000E-02	4.0000E-02	3.7000E-02	3.7000E-02	5.0000E-02
0.30	5.0000E-02	1.0000E-01	1.2500E-01	5.2000E-02	4.0000E-02	3.2000E-02	4.0000E-02	4.5000E-02
0.20	4.5000E-02	1.0000E-01	1.2000E-01	5.0000E-02	4.5000E-02	3.1000E-02	5.2000E-02	4.0000E-02
0.10	5.0000E-02	1.0000E-01	1.2000E-01	5.0000E-02	5.0000E-02	3.7000E-02	6.8000E-02	4.0000E-02
0.00	5.0000E-02	9.5000E-02	1.3000E-01	6.0000E-02	5.5000E-02	4.6000E-02	8.2000E-02	3.5000E-02
-0.10	5.0000E-02	9.5000E-02	1.3200E-01	7.0000E-02	6.0000E-02	5.7000E-02	9.2000E-02	3.0000E-02
-0.20	6.0000E-02	9.0000E-02	1.3000E-01	8.0000E-02	7.0000E-02	6.4000E-02	1.0100E-01	3.0000E-02
-0.30	7.0000E-02	9.2000E-02	1.2500E-01	8.5000E-02	7.5000E-02	7.1000E-02	1.0700E-01	3.0000E-02
-0.40	9.0000E-02	1.0000E-01	1.2000E-01	7.5000E-02	8.5000E-02	7.3000E-02	1.0800E-01	3.0000E-02
-0.50	1.2000E-01	1.0500E-01	1.1700E-01	5.5000E-02	9.5000E-02	7.1000E-02	1.0700E-01	2.5000E-02
-0.60	1.5000E-01	1.2000E-01	1.1500E-01	4.0000E-02	1.0500E-01	6.6000E-02	1.0100E-01	2.0000E-02
-0.70	1.9000E-01	1.3500E-01	1.1000E-01	3.0000E-02	1.2000E-01	5.7000E-02	9.3000E-02	1.5000E-02
-0.80	2.4000E-01	1.6000E-01	1.1000E-01	2.0000E-02	1.3500E-01	4.6000E-02	7.8000E-02	1.0000E-02
-0.90	2.9000E-01	1.9000E-01	1.1200E-01	2.0000E-02	1.5000E-01	3.2000E-02	6.3000E-02	5.0000E-03
-1.00	3.4500E-01	2.2000E-01	1.1500E-01	2.2000E-02	1.7000E-01	1.8000E-02	4.0000E-02	0.

CDS / E	7.5800E 06	1.4200E 07
1.00	5.1500E-01	6.7500E-01
0.90	3.5000E-01	3.4000E-01
0.80	2.4500E-01	1.7000E-01
0.70	1.7000E-01	9.0000E-02
0.60	1.2000E-01	3.8000E-02
0.50	8.0000E-02	2.4000E-02
0.40	5.0000E-02	1.9000E-02
0.30	3.5000E-02	1.5000E-02
0.20	3.0000E-02	1.5000E-02
0.10	3.0000E-02	1.7000E-02
0.00	3.0000E-02	2.1000E-02
-0.10	3.5000E-02	2.5000E-02
-0.20	4.0000E-02	2.8000E-02
-0.30	4.5000E-02	3.0000E-02
-0.40	5.5000E-02	2.9000E-02
-0.50	6.0000E-02	2.5000E-02
-0.60	7.0000E-02	2.1000E-02
-0.70	8.0000E-02	1.7000E-02
-0.80	9.0000E-02	1.3000E-02
-0.90	1.0000E-01	9.0000E-03
-1.00	1.1000E-01	5.0000E-03

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR O 16

COS / E	1.0000E 05	1.2600E 05	1.6600E 05	2.0500E 05	2.9700E 05	3.2600E 05	3.4400E 05	3.6700E 05
1.00	2.9400E-01	3.1500E-01	4.6300E-01	1.6500E-01	5.0000E-02	9.8000E-02	9.0000E-03	9.0000E-02
0.90	2.9400E-01	3.0900E-01	3.6500E-01	1.7000E-01	8.6000E-02	1.0500E-01	6.0000E-02	1.1800E-01
0.80	2.9400E-01	3.0100E-01	2.5400E-01	1.7500E-01	1.2500E-01	1.1500E-01	8.5000E-02	1.3000E-01
0.70	2.9400E-01	3.1000E-01	2.0000E-01	1.8000E-01	1.5100E-01	1.3000E-01	1.0000E-01	1.4000E-01
0.60	2.9400E-01	3.3000E-01	2.2000E-01	1.8000E-01	1.6000E-01	1.5000E-01	1.0500E-01	1.4300E-01
0.50	2.9400E-01	3.5000E-01	2.4000E-01	1.8000E-01	1.7000E-01	1.7000E-01	1.1000E-01	1.5000E-01
0.40	2.9400E-01	3.4500E-01	2.4800E-01	2.0000E-01	1.9000E-01	1.9500E-01	1.6000E-01	1.7000E-01
0.30	2.9400E-01	3.4100E-01	2.5300E-01	2.2600E-01	2.1000E-01	2.2000E-01	2.0700E-01	1.9000E-01
0.20	2.9400E-01	3.4000E-01	2.6000E-01	2.5000E-01	2.3000E-01	2.4000E-01	2.5000E-01	2.1200E-01
0.10	2.9400E-01	3.4500E-01	2.6000E-01	2.5000E-01	2.4500E-01	2.5000E-01	2.6000E-01	2.3500E-01
0.00	2.9400E-01	3.5000E-01	2.6000E-01	2.5000E-01	2.6000E-01	2.6000E-01	2.7000E-01	2.6000E-01
-0.10	2.9400E-01	3.5900E-01	2.6000E-01	2.5000E-01	2.7200E-01	2.6700E-01	2.7600E-01	2.8000E-01
-0.20	2.9400E-01	3.6000E-01	2.6500E-01	2.5900E-01	2.8000E-01	2.8000E-01	2.8500E-01	3.1500E-01
-0.30	2.9400E-01	3.6000E-01	2.7800E-01	2.7000E-01	2.8000E-01	2.9200E-01	2.9200E-01	3.5700E-01
-0.40	2.9400E-01	3.6000E-01	2.9000E-01	2.8000E-01	2.8000E-01	3.1000E-01	3.0000E-01	4.0000E-01
-0.50	2.9400E-01	3.5000E-01	2.7600E-01	2.7000E-01	2.9500E-01	3.3000E-01	3.1800E-01	4.1200E-01
-0.60	2.9400E-01	3.4200E-01	2.6500E-01	2.5500E-01	3.1000E-01	3.5000E-01	3.3100E-01	4.2500E-01
-0.70	2.9400E-01	3.4200E-01	2.5900E-01	2.5500E-01	3.2500E-01	3.7000E-01	3.3600E-01	4.4500E-01
-0.80	2.9400E-01	3.5200E-01	2.5100E-01	2.6500E-01	3.3500E-01	3.8500E-01	3.3000E-01	4.7000E-01
-0.90	2.9400E-01	3.6500E-01	2.4500E-01	2.7500E-01	3.4800E-01	4.0000E-01	3.3000E-01	5.0000E-01
-1.00	2.9400E-01	3.8000E-01	2.4000E-01	2.9000E-01	3.6000E-01	4.2000E-01	3.2500E-01	5.3000E-01

COS / E	3.8500E 05	3.9500E 05	4.0600E 05	4.1800E 05	4.2900E 05	4.4000E 05	4.5100E 05	4.6200E 05
1.00	1.4500E-01	1.8400E-01	4.9000E-01	8.6000E-01	1.8000E 00	2.7300E 00	3.0100E 00	2.3150E 00
0.90	1.5000E-01	2.0200E-01	4.4900E-01	8.0000E-01	1.6900E 00	2.4800E 00	2.5850E 00	2.0750E 00
0.80	1.1500E-01	2.2000E-01	3.8500E-01	7.1500E-01	1.5100E 00	2.1900E 00	2.3450E 00	1.8500E 00
0.70	1.2000E-01	2.2700E-01	3.5500E-01	6.3800E-01	1.3450E 00	1.9250E 00	2.0850E 00	1.6400E 00
0.60	1.6000E-01	2.1800E-01	3.3600E-01	5.7000E-01	1.2000E 00	1.7100E 00	1.8000E 00	1.4650E 00
0.50	2.0000E-01	2.1000E-01	3.2000E-01	5.0000E-01	1.0500E 00	1.5000E 00	1.5000E 00	1.3000E 00
0.40	2.2000E-01	2.3400E-01	3.2000E-01	4.9300E-01	9.5000E-01	1.3400E 00	1.3150E 00	1.1450E 00
0.30	2.3500E-01	2.6000E-01	3.2000E-01	4.8700E-01	8.4900E-01	1.1750E 00	1.1200E 00	9.7500E-01
0.20	2.5200E-01	2.8200E-01	3.2300E-01	4.8000E-01	7.4900E-01	1.0190E 00	9.4000E-01	8.1800E-01
0.10	2.8000E-01	3.1800E-01	3.6000E-01	4.8500E-01	7.3400E-01	9.5000E-01	8.2500E-01	7.2500E-01
0.00	3.0500E-01	3.5000E-01	3.9000E-01	5.1000E-01	7.2000E-01	8.7800E-01	7.2000E-01	6.4000E-01
-0.10	3.3000E-01	3.8600E-01	4.2800E-01	5.2300E-01	7.0500E-01	8.0800E-01	6.1200E-01	5.5000E-01
-0.20	3.5200E-01	4.1500E-01	4.6000E-01	5.7000E-01	7.2300E-01	7.8200E-01	5.5600E-01	4.7300E-01
-0.30	3.7500E-01	4.4000E-01	5.0200E-01	6.4500E-01	7.6000E-01	7.8500E-01	5.3400E-01	4.0500E-01
-0.40	3.9800E-01	4.6700E-01	5.4500E-01	7.2700E-01	8.0000E-01	7.8700E-01	5.1200E-01	3.3500E-01
-0.50	4.4000E-01	5.2500E-01	6.1000E-01	7.7000E-01	9.1500E-01	8.5000E-01	5.3000E-01	3.3700E-01
-0.60	4.8800E-01	5.9000E-01	6.8500E-01	8.2000E-01	1.0450E 00	9.1800E-01	5.5000E-01	3.4500E-01
-0.70	5.2500E-01	6.4000E-01	7.5000E-01	8.8500E-01	1.1600E 00	1.0120E 00	6.0000E-01	3.6000E-01
-0.80	5.6000E-01	6.7500E-01	8.1000E-01	9.6500E-01	1.2700E 00	1.1500E 00	7.0500E-01	3.9000E-01
-0.90	6.0000E-01	7.1500E-01	8.8000E-01	1.0550E 00	1.3900E 00	1.2920E 00	8.1000E-01	4.2000E-01
-1.00	6.5000E-01	7.6000E-01	9.5500E-01	1.1500E 00	1.5100E 00	1.4330E 00	9.2000E-01	4.5600E-01

COS / E	4.7300E 05	4.9000E 05	5.1200E 05	5.3900E 05	5.7200E 05	6.1500E 05	6.4200E 05	6.8000E 05
1.00	1.8550E 00	1.1430E 00	7.0000E-01	5.3000E-01	4.5000E-01	3.5500E-01	3.4500E-01	2.7300E-01
0.90	1.6900E 00	9.8000E-01	6.6600E-01	5.0500E-01	4.1600E-01	3.4900E-01	3.4000E-01	2.8000E-01
0.80	1.5100E 00	9.1000E-01	6.3000E-01	4.8000E-01	3.8000E-01	3.4200E-01	3.3500E-01	2.8500E-01
0.70	1.3400E 00	8.3500E-01	5.8900E-01	4.6000E-01	3.5600E-01	3.3000E-01	3.2500E-01	2.8600E-01
0.60	1.1800E 00	7.4500E-01	5.3200E-01	4.3200E-01	3.4200E-01	3.2000E-01	3.1000E-01	2.8000E-01
0.50	1.0000E 00	6.5000E-01	4.8000E-01	4.1000E-01	3.3000E-01	3.0000E-01	3.0000E-01	2.7000E-01
0.40	8.8000E-01	5.8000E-01	4.3000E-01	3.7200E-01	3.1200E-01	2.9200E-01	2.9000E-01	2.6400E-01
0.30	7.5000E-01	5.0500E-01	3.8000E-01	3.4000E-01	2.9500E-01	2.8500E-01	2.8000E-01	2.6000E-01
0.20	6.2700E-01	4.3500E-01	3.3200E-01	3.0500E-01	2.7800E-01	2.7600E-01	2.6900E-01	2.5000E-01
0.10	5.7000E-01	3.8200E-01	3.0000E-01	2.8000E-01	2.6800E-01	2.6000E-01	2.5800E-01	2.4000E-01
0.00	5.1700E-01	3.3000E-01	2.6700E-01	2.6000E-01	2.5500E-01	2.4000E-01	2.4500E-01	2.3000E-01
-0.10	4.6000E-01	2.8700E-01	2.3300E-01	2.3500E-01	2.4500E-01	2.2300E-01	2.3400E-01	2.1600E-01
-0.20	4.0000E-01	2.4000E-01	2.1000E-01	2.1000E-01	2.2500E-01	2.1000E-01	2.2000E-01	2.0300E-01
-0.30	3.3000E-01	2.0500E-01	1.8500E-01	1.8000E-01	2.0000E-01	2.0000E-01	2.0500E-01	1.9000E-01
-0.40	2.6200E-01	1.7200E-01	1.6300E-01	1.5000E-01	1.7400E-01	1.9000E-01	1.9000E-01	1.8000E-01
-0.50	2.4900E-01	1.4800E-01	1.3600E-01	1.3500E-01	1.5800E-01	1.7000E-01	1.7500E-01	1.7000E-01
-0.60	2.3700E-01	1.2000E-01	1.1000E-01	1.2000E-01	1.4000E-01	1.5000E-01	1.6000E-01	1.6400E-01
-0.70	2.1500E-01	1.0400E-01	8.9000E-02	1.0500E-01	1.2000E-01	1.3700E-01	1.4500E-01	1.5500E-01
-0.80	1.8500E-01	9.6000E-02	7.0000E-02	8.0000E-02	9.5000E-02	1.3000E-01	1.3200E-01	1.4000E-01
-0.90	1.5000E-01	8.8000E-02	5.9000E-02	4.9000E-02	7.0000E-02	1.2600E-01	1.2000E-01	1.3000E-01
-1.00	1.3000E-01	7.8000E-02	2.8000E-02	3.2000E-02	4.8000E-02	1.2000E-01	1.1000E-01	1.2000E-01

COS / E	7.2200E 05	7.6000E 05	7.9600E 05	8.1700E 05	8.4900E 05	8.5400E 05	8.8000E 05	9.1200E 05
1.00	2.8500E-01	2.4500E-01	2.7000E-01	1.8500E-01	2.3500E-01	1.9000E-01	1.8000E-01	2.4500E-01
0.90	2.8000E-01	2.5000E-01	2.4600E-01	2.0200E-01	2.3000E-01	2.0000E-01	2.0200E-01	2.3800E-01
0.80	2.7400E-01	2.5500E-01	2.2200E-01	2.1800E-01	2.2400E-01	2.1300E-01	2.2500E-01	2.3000E-01
0.70	2.6600E-01	2.5600E-01	2.1900E-01	2.3000E-01	2.2300E-01	2.2300E-01	2.4100E-01	2.3500E-01
0.60	2.6200E-01	2.5000E-01	2.4000E-01	2.3500E-01	2.3200E-01	2.3000E-01	2.4600E-01	2.5000E-01
0.50	2.6000E-01	2.4000E-01	2.6000E-01	2.4000E-01	2.4000E-01	2.4000E-01	2.5000E-01	2.7000E-01
0.40	2.5000E-01	2.4300E-01	2.5000E-01	2.3600E-01	2.3700E-01	2.3700E-01	2.5200E-01	2.6000E-01
0.30	2.4500E-01	2.4600E-01	2.4000E-01	2.3200E-01	2.3200E-01	2.3200E-01	2.5600E-01	2.5500E-01
0.20	2.3700E-01	2.4800E-01	2.2900E-01	2.3000E-01	2.3000E-01	2.3000E-01	2.5800E-01	2.5000E-01
0.10	2.3000E-01	2.3700E-01	2.2500E-01	2.2800E-01	2.3100E-01	2.2900E-01	2.5200E-01	2.4600E-01
0.00	2.2000E-01	2.2500E-01	2.2200E-01	2.2500E-01	2.3300E-01	2.2500E-01	2.4900E-01	2.4100E-01
-0.10	2.1200E-01	2.1200E-01	2.2000E-01	2.2200E-01	2.3600E-01	2.2000E-01	2.4000E-01	2.4000E-01
-0.20	2.0000E-01	2.0200E-01	2.1200E-01	2.1500E-01	2.3000E-01	2.1500E-01	2.3500E-01	2.3600E-01
-0.30	1.8700E-01	1.9000E-01	2.0000E-01	2.1000E-01	2.1000E-01	2.0900E-01	2.2700E-01	2.3100E-01
-0.40	1.7200E-01	1.8000E-01	1.8900E-01	2.0100E-01	1.9200E-01	2.0000E-01	2.2000E-01	2.3000E-01
-0.50	1.6600E-01	1.7000E-01	1.8000E-01	1.9000E-01	1.8600E-01	1.9200E-01	2.1200E-01	2.3000E-01
-0.60	1.5100E-01	1.6500E-01	1.7200E-01	1.8000E-01	1.8100E-01	1.8500E-01	2.0500E-01	2.3000E-01
-0.70	1.5000E-01	1.5900E-01	1.5800E-01	1.6500E-01	1.7900E-01	1.7500E-01	2.0000E-01	2.3000E-01
-0.80	1.2800E-01	1.5000E-01	1.3000E-01	1.5200E-01	1.7000E-01	1.6000E-01	2.0000E-01	2.3700E-01
-0.90	1.0300E-01	1.4500E-01	1.0000E-01	1.4000E-01	1.6600E-01	1.5000E-01	2.0000E-01	2.4100E-01
-1.00	8.5000E-02	1.4000E-01	7.0000E-02	1.2500E-01	1.6000E-01	1.4200E-01	2.0000E-01	2.5000E-01

COS / E	9.3300E 05	9.5300E 05	9.7400E 05	9.9500E 05	1.0160E 06	1.0370E 06	1.0780E 06	1.1760E 06
1.00	1.7500E-01	3.8000E-01	9.1500E-01	1.3600E 00	1.5800E 00	1.2500E 00	9.4000E-01	3.7500E-01
0.90	2.1100E-01	3.6900E-01	8.2600E-01	1.1850E 00	1.2700E 00	1.0950E 00	8.1000E-01	3.3500E-01
0.80	2.6000E-01	3.6000E-01	7.2500E-01	9.9500E-01	1.0000E 00	9.2000E-01	6.8500E-01	3.0000E-01
0.70	2.8300E-01	3.4000E-01	6.3000E-01	8.2000E-01	7.9200E-01	7.5500E-01	5.6000E-01	2.6400E-01
0.60	2.7000E-01	3.1400E-01	5.3500E-01	6.5000E-01	6.5000E-01	6.0000E-01	4.4500E-01	2.2000E-01
0.50	2.6000E-01	2.9000E-01	4.4000E-01	4.8000E-01	5.1000E-01	4.4000E-01	3.2000E-01	1.8000E-01
0.40	2.6000E-01	2.6900E-01	3.9100E-01	4.1000E-01	3.9500E-01	3.4000E-01	2.5000E-01	1.6000E-01
0.30	2.6000E-01	2.4800E-01	3.4400E-01	3.4000E-01	2.8000E-01	2.4000E-01	1.8000E-01	1.3800E-01
0.20	2.5500E-01	2.3000E-01	2.9900E-01	2.7600E-01	1.7900E-01	1.4800E-01	1.1500E-01	1.2000E-01
0.10	2.4500E-01	2.3100E-01	2.8400E-01	2.5300E-01	1.7000E-01	1.4000E-01	1.1000E-01	1.1800E-01
0.00	2.3200E-01	2.3500E-01	2.7000E-01	2.3000E-01	1.6000E-01	1.3000E-01	1.0200E-01	1.1600E-01
-0.10	2.2200E-01	2.4000E-01	2.5500E-01	2.1000E-01	1.5200E-01	1.2000E-01	1.0000E-01	1.1300E-01
-0.20	2.2000E-01	2.5000E-01	2.7000E-01	2.3200E-01	1.9500E-01	1.5000E-01	1.2000E-01	1.2000E-01
-0.30	2.2000E-01	2.6500E-01	3.0200E-01	2.9000E-01	2.7500E-01	2.1000E-01	1.7000E-01	1.4000E-01
-0.40	2.2000E-01	2.8000E-01	3.4000E-01	3.5000E-01	3.5500E-01	2.7000E-01	2.2500E-01	1.5800E-01
-0.50	2.2500E-01	3.0000E-01	3.9000E-01	4.8000E-01	4.7500E-01	3.9500E-01	3.0200E-01	2.0200E-01
-0.60	2.3500E-01	3.2500E-01	4.4500E-01	6.2300E-01	6.0000E-01	5.2500E-01	3.9000E-01	2.5000E-01
-0.70	2.5000E-01	3.6000E-01	5.2700E-01	7.5200E-01	7.6500E-01	6.9000E-01	5.0000E-01	3.1200E-01
-0.80	2.7000E-01	4.1500E-01	6.5500E-01	8.7200E-01	9.8500E-01	9.1000E-01	6.5500E-01	4.0000E-01
-0.90	2.9200E-01	4.6700E-01	7.8300E-01	9.8500E-01	1.2100E 00	1.1500E 00	8.0000E-01	4.9500E-01
-1.00	3.1500E-01	5.2000E-01	9.1500E-01	1.1000E 00	1.4400E 00	1.4000E 00	9.5000E-01	5.8500E-01

COS / E	1.2050E 06	1.2250E 06	1.2490E 06	1.2610E 06	1.2710E 06	1.2820E 06	1.2880E 06	1.2940E 06
1.00	2.6500E-01	2.6500E-01	2.4000E-01	1.9000E-01	2.2000E-01	3.2500E-01	4.2500E-01	5.0000E-01
0.90	2.2500E-01	2.2400E-01	2.2800E-01	1.7900E-01	2.0700E-01	3.0700E-01	3.7600E-01	4.8500E-01
0.80	1.8000E-01	1.8000E-01	2.1800E-01	1.6600E-01	1.9800E-01	2.9000E-01	3.2000E-01	4.7000E-01
0.70	1.5200E-01	1.5300E-01	2.0500E-01	1.5700E-01	1.8700E-01	2.7500E-01	2.8900E-01	4.4000E-01
0.60	1.4000E-01	1.4200E-01	1.9200E-01	1.5400E-01	1.8000E-01	2.7000E-01	2.8300E-01	4.0000E-01
0.50	1.3000E-01	1.3000E-01	1.8000E-01	1.5000E-01	1.7000E-01	2.6000E-01	2.8000E-01	3.6000E-01
0.40	1.2000E-01	1.1900E-01	1.6500E-01	1.4000E-01	1.6300E-01	2.3600E-01	2.5000E-01	3.2600E-01
0.30	1.0800E-01	1.0300E-01	1.5000E-01	1.3000E-01	1.5600E-01	2.1000E-01	2.2400E-01	2.9000E-01
0.20	1.0000E-01	9.2000E-02	1.4000E-01	1.2000E-01	1.5000E-01	1.8800E-01	1.9800E-01	2.5800E-01
0.10	1.0200E-01	9.8000E-02	1.3600E-01	1.2200E-01	1.4200E-01	1.7800E-01	1.8300E-01	2.3000E-01
0.00	1.1000E-01	1.0000E-01	1.3200E-01	1.2600E-01	1.3800E-01	1.6700E-01	1.7000E-01	2.0700E-01
-0.10	1.1300E-01	1.0400E-01	1.3000E-01	1.3000E-01	1.3000E-01	1.5500E-01	1.5500E-01	1.8000E-01
-0.20	1.1900E-01	1.1000E-01	1.3500E-01	1.3200E-01	1.3000E-01	1.5000E-01	1.5000E-01	1.7000E-01
-0.30	1.2200E-01	1.2000E-01	1.4000E-01	1.3600E-01	1.3500E-01	1.5000E-01	1.5000E-01	1.7000E-01
-0.40	1.2800E-01	1.3000E-01	1.5000E-01	1.4000E-01	1.4000E-01	1.5000E-01	1.5000E-01	1.7000E-01
-0.50	1.5500E-01	1.5500E-01	1.7100E-01	1.6800E-01	1.6300E-01	1.8500E-01	1.8000E-01	2.0500E-01
-0.60	1.9000E-01	1.9000E-01	2.0000E-01	2.0000E-01	1.9000E-01	2.2800E-01	2.1000E-01	2.4500E-01
-0.70	2.2500E-01	2.2000E-01	2.9500E-01	2.3500E-01	2.2600E-01	2.7500E-01	2.5000E-01	2.9500E-01
-0.80	2.7000E-01	2.6000E-01	3.1500E-01	2.8000E-01	2.8000E-01	3.4000E-01	3.0500E-01	3.6000E-01
-0.90	3.2400E-01	2.9800E-01	3.9200E-01	3.3500E-01	3.4000E-01	4.1000E-01	3.6000E-01	4.2000E-01
-1.00	3.7500E-01	3.4000E-01	4.7000E-01	3.9000E-01	4.0000E-01	4.8500E-01	4.2000E-01	4.9000E-01

COS / E	1.3000E 06	1.3060E 06	1.3120E 06	1.3180E 06	1.3250E 06	1.3310E 06	1.3380E 06	1.3460E 06
1.00	6.2500E-01	7.9500E-01	1.0600E 00	1.3400E 00	1.2500E 00	1.1500E 00	1.1200E 00	8.8000E-01
0.90	5.8500E-01	7.3400E-01	9.7200E-01	1.1900E 00	1.1350E 00	1.0250E 00	9.7000E-01	7.6500E-01
0.80	5.4500E-01	6.6800E-01	8.7500E-01	1.0250E 00	9.9000E-01	8.7500E-01	8.1000E-01	6.5000E-01
0.70	5.0300E-01	6.0400E-01	7.7000E-01	8.8000E-01	8.4500E-01	7.3000E-01	6.7000E-01	5.4000E-01
0.60	4.6000E-01	5.4000E-01	6.6000E-01	7.6000E-01	7.1000E-01	6.0000E-01	5.5500E-01	4.4000E-01
0.50	4.2000E-01	4.8000E-01	5.5000E-01	6.3000E-01	5.8000E-01	4.7000E-01	4.4000E-01	3.4000E-01
0.40	3.7000E-01	4.2000E-01	4.7500E-01	5.4000E-01	4.9000E-01	4.0500E-01	3.8500E-01	2.9300E-01
0.30	3.2000E-01	3.6000E-01	4.0500E-01	4.4500E-01	4.0000E-01	3.4000E-01	3.2500E-01	2.5000E-01
0.20	2.6700E-01	2.9800E-01	3.3800E-01	3.5500E-01	3.1600E-01	2.8500E-01	2.6800E-01	2.1000E-01
0.10	2.4500E-01	2.7000E-01	3.1000E-01	3.1800E-01	2.9000E-01	2.5500E-01	2.4500E-01	1.9400E-01
0.00	2.2000E-01	2.4000E-01	2.8000E-01	2.8000E-01	2.6500E-01	2.3000E-01	2.2000E-01	1.8000E-01
-0.10	2.0000E-01	2.1000E-01	2.5200E-01	2.4000E-01	2.4000E-01	2.0000E-01	2.0000E-01	1.6500E-01
-0.20	1.8800E-01	1.9000E-01	2.3200E-01	2.2500E-01	2.2500E-01	1.8400E-01	1.8500E-01	1.6000E-01
-0.30	1.8300E-01	1.8000E-01	2.1800E-01	2.1800E-01	2.1800E-01	1.8000E-01	1.8100E-01	1.6000E-01
-0.40	1.8000E-01	1.7000E-01	2.0100E-01	2.1000E-01	2.1000E-01	1.7400E-01	1.7900E-01	1.6000E-01
-0.50	2.0200E-01	1.9400E-01	2.1500E-01	2.2000E-01	2.1000E-01	1.6500E-01	1.7000E-01	1.5200E-01
-0.60	2.3000E-01	2.2000E-01	2.3000E-01	2.3300E-01	2.1000E-01	1.5600E-01	1.6200E-01	1.4500E-01
-0.70	2.7500E-01	2.6800E-01	2.7000E-01	2.5500E-01	2.1000E-01	1.4700E-01	1.5000E-01	1.3300E-01
-0.80	3.5000E-01	3.4000E-01	3.4000E-01	3.0500E-01	2.1000E-01	1.4000E-01	1.2500E-01	1.2000E-01
-0.90	4.1500E-01	4.0500E-01	4.0500E-01	3.5000E-01	2.1000E-01	1.3500E-01	1.0500E-01	1.0500E-01
-1.00	4.8000E-01	4.7000E-01	4.7000E-01	4.0000E-01	2.1000E-01	1.3000E-01	8.5000E-02	9.0000E-02

COS / E	1.3540E 06	1.3620E 06	1.3700E 06	1.3850E 06	1.4050E 06	1.4350E 06	1.4750E 06	1.5250E 06
1.00	7.8000E-01	7.0000E-01	6.7000E-01	4.1000E-01	4.3500E-01	2.7000E-01	2.2000E-01	7.6000E-02
0.90	6.6000E-01	6.0500E-01	5.8000E-01	3.7500E-01	3.6000E-01	2.3500E-01	1.2900E-01	8.2000E-02
0.80	5.4500E-01	4.8000E-01	4.7000E-01	3.3700E-01	2.7300E-01	1.9300E-01	1.1000E-01	9.1000E-02
0.70	4.4500E-01	3.8400E-01	3.7000E-01	2.8800E-01	2.3000E-01	1.6600E-01	1.4100E-01	9.2000E-02
0.60	3.6000E-01	3.2000E-01	3.0500E-01	2.3000E-01	2.1000E-01	1.5300E-01	1.2500E-01	8.1000E-02
0.50	2.7000E-01	2.6000E-01	2.4000E-01	1.7000E-01	1.9000E-01	1.4000E-01	1.0600E-01	7.0000E-02
0.40	2.4000E-01	2.2300E-01	2.1200E-01	1.6000E-01	1.7000E-01	1.2500E-01	1.0000E-01	7.4000E-02
0.30	2.0400E-01	1.9000E-01	1.8500E-01	1.5000E-01	1.4700E-01	1.1000E-01	9.3000E-02	7.8000E-02
0.20	1.7000E-01	1.5800E-01	1.6000E-01	1.4000E-01	1.3000E-01	9.9000E-02	8.8000E-02	8.2000E-02
0.10	1.6600E-01	1.5600E-01	1.6000E-01	1.4100E-01	1.3100E-01	1.0100E-01	9.7000E-02	8.5000E-02
0.00	1.6000E-01	1.5200E-01	1.6000E-01	1.4500E-01	1.3400E-01	1.1000E-01	1.0600E-01	8.8000E-02
-0.10	1.5100E-01	1.5000E-01	1.6000E-01	1.4900E-01	1.3800E-01	1.1600E-01	1.1500E-01	9.1000E-02
-0.20	1.5000E-01	1.5200E-01	1.5600E-01	1.5000E-01	1.4000E-01	1.2000E-01	1.2000E-01	9.3000E-02
-0.30	1.5000E-01	1.5500E-01	1.5200E-01	1.5000E-01	1.4000E-01	1.2300E-01	1.1500E-01	9.4000E-02
-0.40	1.5000E-01	1.6000E-01	1.5000E-01	1.5000E-01	1.4000E-01	1.2700E-01	1.1200E-01	9.6000E-02
-0.50	1.4000E-01	1.5000E-01	1.4500E-01	1.4000E-01	1.4000E-01	1.3000E-01	1.1400E-01	9.3000E-02
-0.60	1.2900E-01	1.3500E-01	1.3800E-01	1.2700E-01	1.4000E-01	1.3500E-01	1.1700E-01	9.1000E-02
-0.70	1.1500E-01	1.2500E-01	1.2800E-01	1.2000E-01	1.4000E-01	1.3500E-01	1.1700E-01	8.7000E-02
-0.80	1.1000E-01	1.1500E-01	1.2000E-01	1.3100E-01	1.4000E-01	1.3000E-01	1.1000E-01	8.1000E-02
-0.90	1.0500E-01	1.0500E-01	1.0800E-01	1.4500E-01	1.4000E-01	1.2300E-01	1.0000E-01	7.6000E-02
-1.00	1.0000E-01	9.4000E-02	9.4000E-02	1.6000E-01	1.4000E-01	1.2000E-01	9.6000E-02	7.2000E-02

COS / E	1.5810E 06	1.6070E 06	1.6430E 06	1.6460E 06	1.6470E 06	1.6510E 06	1.6520E 06	1.6530E 06
1.00	1.1400E-01	1.4000E-01	1.2300E-01	1.5900E-01	1.8200E-01	1.2400E-01	2.2000E-01	2.4200E-01
0.90	1.1900E-01	1.1500E-01	1.1900E-01	1.3900E-01	1.6800E-01	1.4200E-01	2.0400E-01	2.3800E-01
0.80	1.2600E-01	8.5000E-02	1.1600E-01	1.1600E-01	1.5000E-01	1.6600E-01	1.9000E-01	2.1000E-01
0.70	1.2500E-01	6.7000E-02	1.1400E-01	1.0500E-01	1.3800E-01	1.7200E-01	1.7200E-01	1.9000E-01
0.60	1.1400E-01	7.1000E-02	1.1500E-01	1.1200E-01	1.3400E-01	1.5200E-01	1.5800E-01	1.7000E-01
0.50	1.0200E-01	7.5000E-02	1.1600E-01	1.2000E-01	1.3000E-01	1.3000E-01	1.4000E-01	1.5000E-01
0.40	1.0500E-01	7.5000E-02	1.2100E-01	1.2000E-01	1.3000E-01	1.3300E-01	1.4200E-01	1.4200E-01
0.30	1.0900E-01	7.5000E-02	1.2600E-01	1.1900E-01	1.3000E-01	1.3700E-01	1.4800E-01	1.3600E-01
0.20	1.1200E-01	7.5000E-02	1.2900E-01	1.1900E-01	1.3000E-01	1.3900E-01	1.5000E-01	1.3100E-01
0.10	1.1100E-01	8.2000E-02	1.2500E-01	1.2200E-01	1.3000E-01	1.3700E-01	1.6000E-01	1.5000E-01
0.00	1.1000E-01	9.0000E-02	1.2100E-01	1.2600E-01	1.3000E-01	1.3400E-01	1.7000E-01	1.6800E-01
-0.10	1.1000E-01	9.7000E-02	1.1700E-01	1.2800E-01	1.3000E-01	1.3100E-01	1.7900E-01	1.8500E-01
-0.20	1.1200E-01	1.0100E-01	1.1800E-01	1.2700E-01	1.3200E-01	1.3800E-01	1.8100E-01	1.9200E-01
-0.30	1.1600E-01	1.0200E-01	1.2400E-01	1.2400E-01	1.3600E-01	1.5400E-01	1.8500E-01	1.9600E-01
-0.40	1.1900E-01	1.0300E-01	1.2900E-01	1.2000E-01	1.3900E-01	1.6800E-01	1.8900E-01	2.0000E-01
-0.50	1.1100E-01	1.0600E-01	1.2200E-01	1.1900E-01	1.3200E-01	1.5200E-01	1.7000E-01	1.9000E-01
-0.60	1.0100E-01	1.0900E-01	1.1400E-01	1.1800E-01	1.2300E-01	1.3200E-01	1.5000E-01	1.8400E-01
-0.70	1.0300E-01	1.1300E-01	1.1100E-01	1.1800E-01	1.2300E-01	1.2700E-01	1.5000E-01	1.8000E-01
-0.80	1.2400E-01	1.1800E-01	1.1600E-01	1.1900E-01	1.3800E-01	1.4500E-01	1.7000E-01	1.8000E-01
-0.90	1.4400E-01	1.2400E-01	1.2100E-01	1.2100E-01	1.5100E-01	1.6000E-01	1.9500E-01	1.8000E-01
-1.00	1.6500E-01	1.2900E-01	1.2600E-01	1.2300E-01	1.6400E-01	1.7500E-01	2.1600E-01	1.8000E-01

COS / E	1.6550E 06	1.6570E 06	1.6580E 06	1.6590E 06	1.6600E 06	1.6610E 06	1.6620E 06	1.6630E 06
1.00	3.6000E-01	7.8000E-01	1.0100E 00	1.1400E 00	1.0600E 00	1.0600E 00	8.7500E-01	7.3000E-01
0.90	3.1000E-01	6.0000E-01	7.1500E-01	7.8000E-01	7.5000E-01	7.1000E-01	6.0000E-01	5.1500E-01
0.80	2.5400E-01	3.8000E-01	4.2000E-01	4.4000E-01	4.1500E-01	3.6500E-01	3.3000E-01	2.7500E-01
0.70	2.0500E-01	2.2000E-01	2.1300E-01	1.9400E-01	1.7800E-01	1.5000E-01	1.2500E-01	1.0500E-01
0.60	1.7000E-01	1.6000E-01	1.5000E-01	1.3000E-01	1.1200E-01	1.0000E-01	8.0000E-02	7.0000E-02
0.50	1.4000E-01	1.0400E-01	9.0000E-02	6.8000E-02	5.4000E-02	4.7000E-02	4.0000E-02	3.7000E-02
0.40	1.4000E-01	1.2200E-01	1.1500E-01	1.0000E-01	8.5000E-02	8.0000E-02	8.0000E-02	7.0000E-02
0.30	1.4300E-01	1.4000E-01	1.4000E-01	1.3400E-01	1.1500E-01	1.2000E-01	1.2000E-01	1.0800E-01
0.20	1.5000E-01	1.5300E-01	1.6500E-01	1.7500E-01	1.5000E-01	1.5200E-01	1.5200E-01	1.4200E-01
0.10	1.7000E-01	2.1000E-01	2.2300E-01	2.3500E-01	2.0000E-01	2.0000E-01	1.9000E-01	1.7800E-01
0.00	1.9000E-01	2.6000E-01	2.8000E-01	2.9000E-01	2.5200E-01	2.4500E-01	2.2000E-01	2.1000E-01
-0.10	2.1000E-01	3.1000E-01	3.3800E-01	3.5000E-01	3.0500E-01	2.9200E-01	2.5500E-01	2.4200E-01
-0.20	2.3500E-01	3.5500E-01	3.9800E-01	4.1000E-01	3.6700E-01	3.5000E-01	3.0000E-01	2.8000E-01
-0.30	2.6000E-01	4.0000E-01	4.6000E-01	4.7000E-01	4.3000E-01	4.1500E-01	3.5000E-01	3.1500E-01
-0.40	2.8500E-01	4.4500E-01	5.2500E-01	5.3000E-01	4.9700E-01	4.7800E-01	4.0500E-01	3.5000E-01
-0.50	2.6000E-01	4.2000E-01	4.9000E-01	5.2000E-01	4.9000E-01	4.5800E-01	3.9500E-01	3.5600E-01
-0.60	2.3000E-01	3.8900E-01	4.4500E-01	4.9200E-01	4.8000E-01	4.3000E-01	3.8000E-01	3.5200E-01
-0.70	2.0700E-01	3.5700E-01	4.0000E-01	4.5500E-01	4.4000E-01	4.0000E-01	3.6000E-01	3.3000E-01
-0.80	2.0100E-01	3.2500E-01	3.5000E-01	4.0000E-01	3.6000E-01	3.5800E-01	3.3000E-01	2.8000E-01
-0.90	1.9500E-01	3.0000E-01	3.1000E-01	3.5500E-01	2.8500E-01	3.1800E-01	3.0000E-01	2.3500E-01
-1.00	1.9000E-01	2.7500E-01	2.7500E-01	3.1000E-01	2.1000E-01	2.8000E-01	2.7000E-01	1.9000E-01

COS / E	1.6640E 06	1.6650E 06	1.6660E 06	1.6680E 06	1.6700E 06	1.6720E 06	1.6770E 06	1.6870E 06
1.00	6.5000E-01	5.0000E-01	4.7000E-01	3.5500E-01	2.7000E-01	1.5500E-01	1.7000E-01	1.7500E-01
0.90	4.3500E-01	3.5500E-01	3.4500E-01	2.6000E-01	2.1000E-01	1.4800E-01	1.5700E-01	1.3600E-01
0.80	2.1000E-01	1.9000E-01	2.0000E-01	1.6000E-01	1.3300E-01	1.4000E-01	1.4000E-01	9.5000E-02
0.70	7.0000E-02	8.3000E-02	9.5000E-02	9.4000E-02	8.0000E-02	1.2000E-01	1.2000E-01	7.1000E-02
0.60	5.0000E-02	6.0000E-02	7.4000E-02	7.9000E-02	6.7000E-02	8.0000E-02	9.5000E-02	7.3000E-02
0.50	3.5000E-02	4.0000E-02	5.2000E-02	6.0000E-02	5.2000E-02	4.5000E-02	7.0000E-02	7.8000E-02
0.40	6.5000E-02	6.5000E-02	6.9000E-02	8.0000E-02	7.4000E-02	6.3000E-02	8.0000E-02	9.0000E-02
0.30	1.0000E-01	9.0000E-02	1.0000E-01	1.0000E-01	9.5000E-02	8.2000E-02	9.2000E-02	1.0200E-01
0.20	1.3200E-01	1.2000E-01	1.2000E-01	1.2000E-01	1.1500E-01	1.0000E-01	1.0400E-01	1.1900E-01
0.10	1.5000E-01	1.3500E-01	1.3200E-01	1.3000E-01	1.2000E-01	1.0500E-01	1.0500E-01	1.1900E-01
0.00	1.6600E-01	1.5500E-01	1.4200E-01	1.4000E-01	1.2300E-01	1.1000E-01	1.0600E-01	1.2000E-01
-0.10	1.8200E-01	1.7200E-01	1.5200E-01	1.5300E-01	1.2800E-01	1.1600E-01	1.0700E-01	1.2000E-01
-0.20	2.1000E-01	1.9600E-01	1.7400E-01	1.6200E-01	1.3500E-01	1.2500E-01	1.1000E-01	1.1900E-01
-0.30	2.5000E-01	2.2000E-01	2.0400E-01	1.7000E-01	1.4600E-01	1.3600E-01	1.1400E-01	1.1800E-01
-0.40	2.8500E-01	2.4600E-01	2.3500E-01	1.7600E-01	1.5500E-01	1.4900E-01	1.2000E-01	1.1500E-01
-0.50	2.9000E-01	2.5600E-01	2.4400E-01	1.9000E-01	1.6500E-01	1.5600E-01	1.3000E-01	1.2700E-01
-0.60	2.9000E-01	2.6500E-01	2.5000E-01	2.1000E-01	1.7200E-01	1.6500E-01	1.4000E-01	1.4000E-01
-0.70	2.8000E-01	2.6500E-01	2.5000E-01	2.1500E-01	1.8500E-01	1.7000E-01	1.5100E-01	1.4600E-01
-0.80	2.6500E-01	2.4600E-01	2.4200E-01	2.0500E-01	1.9500E-01	1.7000E-01	1.5900E-01	1.4100E-01
-0.90	2.4900E-01	2.3000E-01	2.3200E-01	1.9200E-01	2.0600E-01	1.7000E-01	1.6200E-01	1.3500E-01
-1.00	2.3000E-01	2.1000E-01	2.2500E-01	1.8000E-01	2.2000E-01	1.7000E-01	1.7000E-01	1.3000E-01

COS / E	1.7500E 06	2.0000E 06	2.0300E 06	2.1500E 06	2.2000E 06	2.2500E 06	2.3400E 06	2.5600E 06
1.00	2.4000E-01	1.7000E-01	2.3000E-01	2.0500E-01	2.2000E-01	1.6000E-01	9.5000E-02	1.3000E-01
0.90	2.1000E-01	1.6000E-01	2.0000E-01	1.7500E-01	1.9500E-01	1.4000E-01	7.5000E-02	1.2500E-01
0.80	1.8000E-01	1.5000E-01	1.7500E-01	1.5000E-01	1.7500E-01	1.3000E-01	6.5000E-02	1.2000E-01
0.70	1.5500E-01	1.3500E-01	1.5500E-01	1.3000E-01	1.5500E-01	1.1500E-01	5.5000E-02	1.1500E-01
0.60	1.3500E-01	1.2500E-01	1.4000E-01	1.1500E-01	1.4000E-01	1.0500E-01	5.0000E-02	1.1000E-01
0.50	1.2000E-01	1.2000E-01	1.2000E-01	1.0000E-01	1.2500E-01	9.5000E-02	4.0000E-02	1.0750E-01
0.40	1.1500E-01	1.1000E-01	1.1000E-01	9.0000E-02	1.1000E-01	9.0000E-02	4.0000E-02	1.0000E-01
0.30	1.1000E-01	1.0500E-01	1.0000E-01	8.0000E-02	9.5000E-02	8.0000E-02	3.5000E-02	9.7500E-02
0.20	1.1000E-01	1.0000E-01	9.5000E-02	8.0000E-02	9.0000E-02	7.5000E-02	3.0000E-02	9.5000E-02
0.10	1.0700E-01	1.0000E-01	9.0000E-02	7.5000E-02	8.0000E-02	7.0000E-02	2.5000E-02	9.0000E-02
0.00	1.1000E-01	9.7500E-02	8.5000E-02	8.0000E-02	7.0000E-02	7.0000E-02	2.0000E-02	9.0000E-02
-0.10	1.1000E-01	9.7500E-02	8.5000E-02	8.0000E-02	7.0000E-02	6.5000E-02	2.0000E-02	8.5000E-02
-0.20	1.1000E-01	1.0000E-01	8.0000E-02	8.0000E-02	7.0000E-02	6.5000E-02	1.5000E-02	8.0000E-02
-0.30	1.1500E-01	1.0000E-01	8.5000E-02	8.5000E-02	7.0000E-02	6.7000E-02	1.5000E-02	7.7500E-02
-0.40	1.2000E-01	1.1000E-01	8.5000E-02	8.5000E-02	7.5000E-02	7.0000E-02	1.2000E-02	7.0000E-02
-0.50	1.2500E-01	1.2000E-01	9.0000E-02	9.5000E-02	8.0000E-02	7.5000E-02	1.0000E-02	7.0000E-02
-0.60	1.3000E-01	1.3000E-01	9.0000E-02	1.0000E-01	8.5000E-02	8.0000E-02	1.2000E-02	7.0000E-02
-0.70	1.3500E-01	1.4000E-01	1.0000E-01	1.1000E-01	9.5000E-02	9.0000E-02	1.5000E-02	7.0000E-02
-0.80	1.4000E-01	1.5500E-01	1.0500E-01	1.2000E-01	1.0000E-01	1.0000E-01	1.5000E-02	6.7500E-02
-0.90	1.5000E-01	1.7000E-01	1.1500E-01	1.3000E-01	1.1200E-01	1.1500E-01	2.0000E-02	6.5000E-02
-1.00	1.6000E-01	1.8500E-01	1.2000E-01	1.4000E-01	1.2500E-01	1.3000E-01	2.0000E-02	6.5000E-02

COS / E	2.7600E 06	2.9500E 06	3.0000E 06	3.0700E 06	3.1700E 06	3.2900E 06	3.3500E 06	3.4000E 06
1.00	4.9000E-01	2.4000E-01	1.7000E-01	5.4000E-01	4.4000E-01	4.2000E-01	8.7000E-01	5.6000E-01
0.90	4.0000E-01	2.1500E-01	1.5000E-01	4.5500E-01	3.7500E-01	3.6000E-01	6.8000E-01	4.8000E-01
0.80	3.2000E-01	1.9500E-01	1.3500E-01	3.6500E-01	3.2000E-01	3.0000E-01	5.2000E-01	4.1000E-01
0.70	2.8000E-01	1.7000E-01	1.2000E-01	2.9000E-01	2.6000E-01	2.4000E-01	4.0000E-01	3.4000E-01
0.60	1.7500E-01	1.5500E-01	1.0500E-01	2.3000E-01	2.1000E-01	1.9000E-01	2.9000E-01	2.8000E-01
0.50	1.3500E-01	1.4000E-01	9.5000E-02	1.8000E-01	1.5000E-01	1.5000E-01	2.1000E-01	2.2500E-01
0.40	1.2000E-01	1.2500E-01	8.5000E-02	1.4000E-01	1.0500E-01	1.0500E-01	1.4500E-01	1.7500E-01
0.30	1.0500E-01	1.1000E-01	8.0000E-02	1.2000E-01	8.0000E-02	7.5000E-02	9.5000E-02	1.4000E-01
0.20	1.0000E-01	1.0000E-01	7.5000E-02	1.0500E-01	7.0000E-02	6.0000E-02	6.7500E-02	1.1500E-01
0.10	9.0000E-02	9.0000E-02	7.0000E-02	1.0000E-01	6.5000E-02	6.5000E-02	5.3000E-02	1.0000E-01
0.00	8.0000E-02	8.0000E-02	7.0000E-02	1.0000E-01	7.0000E-02	8.0000E-02	5.3000E-02	9.0000E-02
-0.10	7.5000E-02	7.5000E-02	7.0000E-02	1.0500E-01	7.5000E-02	1.0500E-01	6.0000E-02	9.5000E-02
-0.20	7.0000E-02	7.0000E-02	7.5000E-02	1.1200E-01	8.5000E-02	1.4500E-01	7.5000E-02	1.1000E-01
-0.30	6.5000E-02	7.0000E-02	8.0000E-02	1.2500E-01	1.0000E-01	1.9000E-01	9.5000E-02	1.3000E-01
-0.40	6.0000E-02	7.0000E-02	8.0000E-02	1.4000E-01	1.1500E-01	2.5000E-01	1.3000E-01	1.6500E-01
-0.50	6.0000E-02	7.0000E-02	8.0000E-02	1.5200E-01	1.3000E-01	3.0500E-01	1.7500E-01	2.0500E-01
-0.60	5.5000E-02	7.0000E-02	8.0000E-02	1.7000E-01	1.3500E-01	3.5000E-01	2.2500E-01	2.5500E-01
-0.70	5.5000E-02	7.0000E-02	8.0000E-02	1.9000E-01	1.4000E-01	3.7500E-01	2.9500E-01	2.9500E-01
-0.80	5.0000E-02	7.0000E-02	7.5000E-02	2.1000E-01	1.3500E-01	4.0000E-01	3.7500E-01	3.3000E-01
-0.90	5.0000E-02	7.0000E-02	7.2000E-02	2.3500E-01	1.2500E-01	4.1500E-01	4.7000E-01	3.5500E-01
-1.00	5.0000E-02	7.0000E-02	7.0000E-02	2.6000E-01	1.1000E-01	4.3000E-01	5.8000E-01	3.7000E-01

COS / E	3.5000E 06	3.5500E 06	3.6100E 06	3.6500E 06	3.7000E 06	3.7500E 06	3.8000E 06	3.9100E 06
1.00	8.6000E-01	8.2500E-01	6.4000E-01	9.5000E-01	1.1900E 00	1.2250E 00	6.6000E-01	5.4000E-01
0.90	6.8500E-01	6.6250E-01	5.4000E-01	6.9500E-01	8.5000E-01	9.1000E-01	5.2000E-01	4.5000E-01
0.80	5.2250E-01	5.3000E-01	4.5000E-01	5.3000E-01	6.0500E-01	6.3000E-01	3.9500E-01	3.7000E-01
0.70	3.8000E-01	4.1500E-01	3.6500E-01	4.1000E-01	4.0500E-01	4.2000E-01	3.0500E-01	3.0000E-01
0.60	2.8000E-01	3.2000E-01	2.9500E-01	3.2000E-01	2.0500E-01	2.5500E-01	2.4500E-01	2.4500E-01
0.50	2.1000E-01	2.4500E-01	2.4000E-01	2.5000E-01	1.7000E-01	1.9000E-01	2.0000E-01	1.9500E-01
0.40	1.6000E-01	1.9500E-01	2.0500E-01	1.9500E-01	1.4500E-01	1.4500E-01	1.7500E-01	1.6250E-01
0.30	1.3000E-01	1.5500E-01	1.8500E-01	1.6000E-01	1.4000E-01	1.2500E-01	1.6000E-01	1.4250E-01
0.20	1.1000E-01	1.3000E-01	1.7000E-01	1.3500E-01	1.4200E-01	1.2500E-01	1.5000E-01	1.3500E-01
0.10	1.0500E-01	1.2500E-01	1.7000E-01	1.3000E-01	1.5200E-01	1.3000E-01	1.6000E-01	1.3500E-01
0.00	1.0500E-01	1.2000E-01	1.7250E-01	1.3000E-01	1.7000E-01	1.4500E-01	1.7000E-01	1.4000E-01
-0.10	1.1000E-01	1.2000E-01	1.8250E-01	1.4500E-01	1.8000E-01	1.6500E-01	1.9000E-01	1.4500E-01
-0.20	1.1500E-01	1.2000E-01	2.0000E-01	1.5000E-01	2.0000E-01	1.8000E-01	2.1000E-01	1.5000E-01
-0.30	1.2000E-01	1.2250E-01	2.1500E-01	1.5500E-01	2.2000E-01	1.9000E-01	2.2500E-01	1.6000E-01
-0.40	1.3500E-01	1.3000E-01	2.2000E-01	1.6000E-01	2.2500E-01	2.0000E-01	2.3000E-01	1.5500E-01
-0.50	1.5250E-01	1.3750E-01	2.2000E-01	1.6000E-01	2.2500E-01	2.0000E-01	2.3500E-01	1.5500E-01
-0.60	1.8500E-01	1.5000E-01	2.1500E-01	1.5500E-01	2.2000E-01	2.0500E-01	2.3500E-01	1.5000E-01
-0.70	2.3500E-01	1.6500E-01	2.1000E-01	1.5000E-01	2.1500E-01	2.0500E-01	2.3500E-01	1.5000E-01
-0.80	2.9500E-01	1.8500E-01	2.0000E-01	1.5000E-01	2.0000E-01	2.0500E-01	2.3000E-01	1.4500E-01
-0.90	3.9000E-01	2.0500E-01	1.9000E-01	1.4500E-01	1.8500E-01	2.0500E-01	2.3000E-01	1.3750E-01
-1.00	4.9000E-01	2.3000E-01	1.8000E-01	1.4000E-01	1.7000E-01	2.0000E-01	2.3000E-01	1.3000E-01

COS / E	4.0100E 06	4.0500E 06	4.1100E 06	4.3000E 06	4.5000E 06	4.8500E 06	4.9900E 06	5.0000E 06
1.00	3.9000E-01	8.7500E-01	1.9000E-01	6.6000E-01	5.3000E-01	2.7000E-01	4.0000E-01	1.8500E-01
0.90	3.0000E-01	6.7500E-01	1.7000E-01	5.0000E-01	4.4500E-01	2.2500E-01	2.8000E-01	1.5000E-01
0.80	2.4000E-01	5.1300E-01	1.4750E-01	3.6000E-01	3.6000E-01	1.7500E-01	1.7500E-01	1.2000E-01
0.70	1.9500E-01	3.7600E-01	1.3250E-01	2.7000E-01	2.8000E-01	1.3000E-01	1.0500E-01	9.5000E-02
0.60	1.6500E-01	2.8500E-01	1.2000E-01	2.1000E-01	2.1500E-01	9.5000E-02	6.5000E-02	7.5000E-02
0.50	1.4750E-01	2.1400E-01	1.1000E-01	1.7000E-01	1.5000E-01	6.0000E-02	5.0000E-02	5.7500E-02
0.40	1.4000E-01	1.7600E-01	1.0000E-01	1.4000E-01	1.1000E-01	5.0000E-02	4.5000E-02	4.7500E-02
0.30	1.3000E-01	1.6100E-01	1.0000E-01	1.2000E-01	1.0000E-01	6.5000E-02	4.0000E-02	3.5000E-02
0.20	1.2500E-01	1.6300E-01	1.0000E-01	1.1000E-01	9.5000E-02	7.5000E-02	4.5000E-02	3.0000E-02
0.10	1.2000E-01	1.6900E-01	9.5000E-02	9.5000E-02	9.0000E-02	8.5000E-02	5.0000E-02	2.7500E-02
0.00	1.2000E-01	1.7100E-01	9.5000E-02	9.0000E-02	9.5000E-02	9.0000E-02	6.0000E-02	3.0000E-02
-0.10	1.2000E-01	1.6900E-01	1.0000E-01	9.0000E-02	1.0000E-01	9.0000E-02	7.0000E-02	4.0000E-02
-0.20	1.2500E-01	1.6700E-01	1.0000E-01	9.0000E-02	1.1000E-01	9.0000E-02	8.5000E-02	6.0000E-02
-0.30	1.3500E-01	1.6400E-01	1.0500E-01	9.0000E-02	1.2000E-01	9.5000E-02	1.0000E-01	9.0000E-02
-0.40	1.4000E-01	1.5700E-01	1.2000E-01	9.5000E-02	1.2000E-01	9.5000E-02	1.1500E-01	9.7500E-02
-0.50	1.4000E-01	1.5200E-01	1.3000E-01	1.1000E-01	1.2000E-01	9.0000E-02	1.2500E-01	8.7500E-02
-0.60	1.3750E-01	1.4600E-01	1.3000E-01	1.2000E-01	1.2000E-01	8.5000E-02	1.2500E-01	6.5000E-02
-0.70	1.3500E-01	1.3800E-01	1.3000E-01	1.4000E-01	1.2000E-01	7.5000E-02	1.1500E-01	3.2500E-02
-0.80	1.2750E-01	1.3000E-01	1.3000E-01	1.7000E-01	1.1500E-01	6.0000E-02	1.0500E-01	1.5000E-02
-0.90	1.2000E-01	1.2000E-01	1.3000E-01	2.1000E-01	1.1000E-01	4.0000E-02	8.5000E-02	7.5000E-03
-1.00	1.1000E-01	1.1200E-01	1.2500E-01	2.6000E-01	1.0000E-01	2.5000E-02	6.5000E-02	0.

COS / E	5.1500E 06	5.6600E 06	6.0100E 06	6.5300E 06	7.0000E 06	7.1100E 06	8.0000E 06	1.1600E 07
1.00	2.2400E-01	4.4500E-01	3.8500E-01	2.8000E-01	1.9000E-01	2.6500E-01	2.2500E-01	7.7000E-01
0.90	1.9000E-01	3.2500E-01	2.5500E-01	1.5500E-01	1.2500E-01	1.8400E-01	1.5500E-01	4.0000E-01
0.80	1.6300E-01	2.2750E-01	1.4000E-01	8.0000E-02	7.2500E-02	1.2500E-01	9.5000E-02	1.1000E-01
0.70	1.3900E-01	1.6000E-01	8.0000E-02	4.5000E-02	4.2500E-02	8.5000E-02	5.2500E-02	4.0000E-02
0.60	1.2400E-01	1.1500E-01	5.5000E-02	3.0000E-02	3.0000E-02	6.5000E-02	2.5000E-02	3.5000E-02
0.50	1.0700E-01	9.0000E-02	4.2500E-02	2.2500E-02	2.5000E-02	5.3000E-02	1.2500E-02	5.0000E-02
0.40	1.0000E-01	8.0000E-02	4.2500E-02	2.0000E-02	2.5000E-02	4.5000E-02	2.0000E-02	7.0000E-02
0.30	9.6000E-02	7.0000E-02	5.0000E-02	2.0000E-02	4.0000E-02	4.1000E-02	3.2500E-02	8.0000E-02
0.20	9.6000E-02	7.0000E-02	6.2500E-02	2.2500E-02	5.2500E-02	3.9000E-02	5.5000E-02	8.5000E-02
0.10	9.7000E-02	7.2500E-02	7.7500E-02	2.7500E-02	6.0000E-02	4.1000E-02	6.5000E-02	8.0000E-02
0.00	1.0300E-01	8.0000E-02	8.7500E-02	4.0000E-02	7.0000E-02	4.4000E-02	7.2500E-02	7.0000E-02
-0.10	1.1400E-01	8.5000E-02	9.5000E-02	5.0000E-02	7.2500E-02	4.7000E-02	7.2500E-02	5.0000E-02
-0.20	1.2500E-01	9.0000E-02	1.0000E-01	5.5000E-02	7.2500E-02	4.8000E-02	7.2500E-02	4.5000E-02
-0.30	1.3000E-01	9.2500E-02	1.0000E-01	6.0000E-02	7.0000E-02	4.8000E-02	7.0000E-02	4.0000E-02
-0.40	1.3100E-01	9.2500E-02	9.7500E-02	6.2500E-02	6.5000E-02	4.7000E-02	6.7500E-02	4.0000E-02
-0.50	1.3100E-01	9.0000E-02	9.2500E-02	6.2500E-02	5.5000E-02	4.2000E-02	6.2500E-02	3.5000E-02
-0.60	1.3100E-01	8.5000E-02	8.7500E-02	6.0000E-02	5.2500E-02	3.0000E-02	5.7500E-02	3.5000E-02
-0.70	1.3100E-01	7.7500E-02	7.7500E-02	5.0000E-02	5.2500E-02	2.0000E-02	5.0000E-02	4.0000E-02
-0.80	1.3700E-01	6.2500E-02	6.7500E-02	3.7500E-02	5.2500E-02	4.5000E-02	4.5000E-02	4.5000E-02
-0.90	1.5100E-01	4.5000E-02	5.7500E-02	2.7500E-02	6.2500E-02	5.5000E-02	4.0000E-02	6.0000E-02
-1.00	1.7600E-01	1.0000E-02	4.7500E-02	1.5000E-02	7.5000E-02	6.0000E-02	3.5000E-02	9.0000E-02

COS / E	1.4100E 07	1.4920E 07	1.5830E 07
1.00	4.9000E-01	7.3000E-01	5.4000E-01
0.90	2.9500E-01	4.6000E-01	4.3000E-01
0.80	1.1000E-01	2.2500E-01	3.1500E-01
0.70	5.5000E-02	1.2000E-01	2.1500E-01
0.60	3.5000E-02	8.5000E-02	1.3500E-01
0.50	3.0000E-02	7.0000E-02	9.0000E-02
0.40	3.5000E-02	7.0000E-02	7.5000E-02
0.30	4.0000E-02	6.5000E-02	7.5000E-02
0.20	4.5000E-02	6.5000E-02	7.0000E-02
0.10	4.5000E-02	6.5000E-02	7.0000E-02
0.00	4.0000E-02	6.0000E-02	7.0000E-02
-0.10	3.0000E-02	6.0000E-02	7.0000E-02
-0.20	2.5000E-02	5.5000E-02	6.5000E-02
-0.30	2.0000E-02	5.0000E-02	6.0000E-02
-0.40	1.5000E-02	4.0000E-02	6.0000E-02
-0.50	1.5000E-02	3.0000E-02	5.5000E-02
-0.60	1.0000E-02	2.5000E-02	5.0000E-02
-0.70	1.0000E-02	3.0000E-02	4.5000E-02
-0.80	1.2000E-02	4.0000E-02	4.0000E-02
-0.90	2.0000E-02	7.5000E-02	3.0000E-02
-1.00	2.0000E-02	1.2000E-01	2.0000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR NA 23

COS / E	1.0000E 04	3.0000E 04	6.0000E 04	1.4000E 05	2.1000E 05	2.2000E 05	2.3500E 05	2.4500E 05
1.00	4.5700E-01	4.5500E-01	3.7000E-01	3.1000E-01	3.9100E-01	2.9600E-01	5.2000E-01	5.8000E-01
0.90	4.5700E-01	4.6000E-01	3.7000E-01	3.1000E-01	3.8400E-01	2.9500E-01	4.9000E-01	5.0500E-01
0.80	4.5700E-01	4.6000E-01	3.7000E-01	3.1000E-01	3.7800E-01	2.9300E-01	4.7000E-01	5.3000E-01
0.70	4.5700E-01	4.6300E-01	3.7000E-01	3.1000E-01	3.7100E-01	2.9200E-01	4.5000E-01	5.0500E-01
0.60	4.5700E-01	4.6700E-01	3.7000E-01	3.1000E-01	3.6400E-01	2.9100E-01	4.3000E-01	4.8000E-01
0.50	4.5700E-01	4.7000E-01	3.7000E-01	3.1000E-01	3.6000E-01	2.9000E-01	4.1000E-01	4.5000E-01
0.40	4.5700E-01	4.7000E-01	3.7000E-01	3.1000E-01	3.5600E-01	2.9100E-01	3.9500E-01	4.2000E-01
0.30	4.5700E-01	4.7200E-01	3.7000E-01	3.1000E-01	3.5300E-01	2.9200E-01	3.8000E-01	3.9000E-01
0.20	4.5700E-01	4.7500E-01	3.7000E-01	3.1000E-01	3.5000E-01	2.9300E-01	3.7000E-01	3.6000E-01
0.10	4.5700E-01	4.7900E-01	3.7000E-01	3.1000E-01	3.4600E-01	2.9400E-01	3.6500E-01	3.2500E-01
0.00	4.5700E-01	4.8000E-01	3.7000E-01	3.1000E-01	3.4400E-01	2.9200E-01	3.6000E-01	3.1500E-01
-0.10	4.5700E-01	4.8100E-01	3.7000E-01	3.1000E-01	3.4200E-01	2.8900E-01	3.5500E-01	3.1000E-01
-0.20	4.5700E-01	4.8500E-01	3.7000E-01	3.1000E-01	3.4000E-01	2.8600E-01	3.5500E-01	3.1000E-01
-0.30	4.5700E-01	4.8700E-01	3.7000E-01	3.1000E-01	3.3800E-01	2.8300E-01	3.6000E-01	3.1000E-01
-0.40	4.5700E-01	4.9000E-01	3.7000E-01	3.1000E-01	3.3600E-01	2.8000E-01	3.6500E-01	3.1000E-01
-0.50	4.5700E-01	4.9000E-01	3.7000E-01	3.1100E-01	3.3100E-01	2.7900E-01	3.8000E-01	3.1000E-01
-0.60	4.5700E-01	4.9200E-01	3.7000E-01	3.1100E-01	3.2600E-01	2.7700E-01	3.9500E-01	3.1200E-01
-0.70	4.5700E-01	4.9800E-01	3.7000E-01	3.1200E-01	3.2100E-01	2.7600E-01	4.2000E-01	3.2000E-01
-0.80	4.5700E-01	5.0000E-01	3.7000E-01	3.1500E-01	3.1600E-01	2.7500E-01	4.4500E-01	3.2200E-01
-0.90	4.5700E-01	5.0000E-01	3.7000E-01	3.1500E-01	3.1100E-01	2.7400E-01	4.7500E-01	3.3000E-01
-1.00	4.5700E-01	5.0200E-01	3.7000E-01	3.1500E-01	3.0500E-01	2.7300E-01	5.1000E-01	3.3500E-01

COS / E	2.8500E 05	3.0500E 05	3.2500E 05	3.5500E 05	3.7500E 05	3.9000E 05	4.0000E 05	4.1000E 05
1.00	2.0200E-01	3.1500E-01	2.5200E-01	2.4700E-01	2.6200E-01	3.9100E-01	4.4300E-01	3.4500E-01
0.90	2.0500E-01	3.1000E-01	2.4400E-01	2.4500E-01	2.6500E-01	3.9400E-01	4.3400E-01	3.4000E-01
0.80	2.0800E-01	3.0400E-01	2.3600E-01	2.4200E-01	2.6800E-01	3.9700E-01	4.2600E-01	3.3500E-01
0.70	2.1000E-01	2.9800E-01	2.2800E-01	2.3900E-01	2.7000E-01	4.0000E-01	4.1800E-01	3.3000E-01
0.60	2.1300E-01	2.9300E-01	2.2000E-01	2.3600E-01	2.7300E-01	4.0300E-01	4.1000E-01	3.2700E-01
0.50	2.1200E-01	2.8800E-01	2.1700E-01	2.3800E-01	2.7600E-01	4.0000E-01	3.9800E-01	3.2000E-01
0.40	2.0500E-01	2.8500E-01	2.2400E-01	2.4900E-01	2.8000E-01	3.9000E-01	3.8100E-01	3.1200E-01
0.30	1.9700E-01	2.8200E-01	2.3000E-01	2.6000E-01	2.8200E-01	3.8000E-01	3.6400E-01	3.0500E-01
0.20	1.9000E-01	2.7900E-01	2.3600E-01	2.7000E-01	2.8600E-01	3.6900E-01	3.4800E-01	2.9500E-01
0.10	1.8200E-01	2.7600E-01	2.4300E-01	2.8100E-01	2.8900E-01	3.5800E-01	3.3100E-01	2.8700E-01
0.00	1.7600E-01	2.7700E-01	2.4300E-01	2.7300E-01	2.7800E-01	3.3900E-01	3.2500E-01	2.8800E-01
-0.10	1.7100E-01	2.8000E-01	2.4000E-01	2.5400E-01	2.6000E-01	3.1700E-01	3.2500E-01	2.9500E-01
-0.20	1.6600E-01	2.8300E-01	2.3700E-01	2.3600E-01	2.4300E-01	2.9400E-01	3.2500E-01	3.0000E-01
-0.30	1.6100E-01	2.8600E-01	2.3400E-01	2.1800E-01	2.2600E-01	2.7200E-01	3.2500E-01	3.0500E-01
-0.40	1.5500E-01	2.8900E-01	2.3100E-01	2.0000E-01	2.1900E-01	2.5000E-01	3.2500E-01	3.1000E-01
-0.50	1.5700E-01	2.8500E-01	2.3300E-01	2.2400E-01	2.2200E-01	2.6200E-01	3.1400E-01	2.9000E-01
-0.60	1.5900E-01	2.7900E-01	2.3600E-01	2.6100E-01	2.4400E-01	2.8500E-01	3.0000E-01	2.6500E-01
-0.70	1.6200E-01	2.7200E-01	2.4000E-01	2.9800E-01	2.6700E-01	3.0700E-01	2.8700E-01	2.3500E-01
-0.80	1.6400E-01	2.6600E-01	2.4400E-01	3.3500E-01	2.9000E-01	3.3000E-01	2.7300E-01	2.1000E-01
-0.90	1.6700E-01	2.6000E-01	2.4700E-01	3.7300E-01	3.1200E-01	3.5300E-01	2.6000E-01	1.8500E-01
-1.00	1.7000E-01	2.5300E-01	2.5100E-01	4.0900E-01	3.3600E-01	3.7500E-01	2.4600E-01	1.6000E-01

COS / E	4.3500E 05	4.4500E 05	4.7500E 05	5.2000E 05	5.4500E 05	5.7500E 05	6.0500E 05	6.1500E 05
1.00	2.6200E-01	3.9500E-01	2.1620E-01	9.6700E-02	2.2580E-01	2.5460E-01	5.6200E-01	3.8660E-01
0.90	2.6000E-01	3.9000E-01	2.1420E-01	1.0170E-01	2.2480E-01	2.5160E-01	5.0300E-01	3.9160E-01
0.80	2.5800E-01	3.8000E-01	2.1120E-01	1.0770E-01	2.2280E-01	2.4860E-01	4.5800E-01	3.9660E-01
0.70	2.5700E-01	3.7500E-01	2.0920E-01	1.1270E-01	2.2180E-01	2.45[illegible]0E-01	4.2300E-01	4.0160E-01
0.60	2.5600E-01	3.6700E-01	2.0620E-01	1.1770E-01	2.2080E-01	2.4260E-01	3.9600E-01	4.0660E-01
0.50	2.5400E-01	3.6000E-01	2.0220E-01	1.2270E-01	2.2280E-01	2.4360E-01	3.7600E-01	3.9860E-01
0.40	2.5200E-01	3.4500E-01	1.9920E-01	1.2670E-01	2.3280E-01	2.4860E-01	3.6200E-01	3.7060E-01
0.30	2.5000E-01	3.3000E-01	1.9520E-01	1.3170E-01	2.4280E-01	2.5360E-01	3.5400E-01	3.4160E-01
0.20	2.4700E-01	3.2000E-01	1.9220E-01	1.3570E-01	2.5180E-01	2.5960E-01	3.4800E-01	3.1160E-01
0.10	2.4500E-01	3.0700E-01	1.8920E-01	1.4070E-01	2.6080E-01	2.6460E-01	3.4400E-01	2.8160E-01
0.00	2.4600E-01	3.0400E-01	1.8820E-01	1.4270E-01	2.6680E-01	2.6960E-01	3.3900E-01	2.7160E-01
-0.10	2.4800E-01	3.0200E-01	1.8620E-01	1.4470E-01	2.7080E-01	2.7460E-01	3.3600E-01	2.7660E-01
-0.20	2.5000E-01	3.0000E-01	1.8520E-01	1.4670E-01	2.7480E-01	2.7960E-01	3.3300E-01	2.7660E-01
-0.30	2.5200E-01	3.0000E-01	1.8520E-01	1.4870E-01	2.7980E-01	2.8560E-01	3.3100E-01	2.7960E-01
-0.40	2.5400E-01	3.0000E-01	1.8420E-01	1.5070E-01	2.8380E-01	2.9060E-01	3.3200E-01	2.8160E-01
-0.50	2.6000E-01	2.9000E-01	1.8320E-01	1.5370E-01	2.8880E-01	3.0160E-01	3.3800E-01	2.9160E-01
-0.60	2.6600E-01	2.8200E-01	1.8320E-01	1.5770E-01	2.9380E-01	3.1360E-01	3.4900E-01	3.0360E-01
-0.70	2.7200E-01	2.7500E-01	1.8320E-01	1.6170E-01	2.9880E-01	3.2560E-01	3.6500E-01	3.1660E-01
-0.80	2.7800E-01	2.6500E-01	1.8420E-01	1.6570E-01	3.0380E-01	3.3860E-01	3.8300E-01	3.2860E-01
-0.90	2.8300E-01	2.5500E-01	1.8420E-01	1.6970E-01	3.0880E-01	3.5060E-01	4.0600E-01	3.4160E-01
-1.00	2.9000E-01	2.5000E-01	1.8520E-01	1.7370E-01	3.1380E-01	3.6260E-01	4.3200E-01	3.5360E-01

COS / E	6.2500E 05	6.3500E 05	6.7000E 05	7.0000E 05	7.1000E 05	7.2000E 05	7.5500E 05	7.6500E 05
1.00	3.3990E-01	3.7800E-01	5.8150E-01	1.2709E 00	1.3894E 00	1.4880E 00	6.6750E-01	6.2800E-01
0.90	3.4990E-01	3.5600E-01	5.2650E-01	1.0709E 00	1.2494E 00	1.3380E 00	6.1750E-01	5.7800E-01
0.80	3.5990E-01	3.3800E-01	4.7150E-01	9.0590E-01	1.0994E 00	1.1880E 00	5.6750E-01	5.3300E-01
0.70	3.6990E-01	3.1800E-01	4.2150E-01	7.7090E-01	9.4940E-01	1.0480E 00	5.1750E-01	4.8800E-01
0.60	3.8190E-01	3.0300E-01	3.7650E-01	6.5090E-01	8.0940E-01	9.0800E-01	4.6750E-01	4.4800E-01
0.50	3.7490E-01	2.9300E-01	3.3850E-01	5.5090E-01	6.8940E-01	7.8800E-01	4.2750E-01	4.0800E-01
0.40	3.4490E-01	2.8300E-01	3.0650E-01	4.7090E-01	5.7940E-01	6.6800E-01	3.8750E-01	3.7300E-01
0.30	3.1190E-01	2.7300E-01	2.8150E-01	4.1090E-01	4.8940E-01	5.5800E-01	3.4750E-01	3.3800E-01
0.20	2.7990E-01	2.6800E-01	2.6650E-01	3.5090E-01	4.0940E-01	4.5800E-01	3.0750E-01	3.1300E-01
0.10	2.4990E-01	2.6800E-01	2.6150E-01	3.1090E-01	3.4940E-01	3.6800E-01	2.6750E-01	2.8800E-01
0.00	2.4490E-01	2.6800E-01	2.6150E-01	2.9090E-01	3.0940E-01	3.1800E-01	2.4750E-01	2.6800E-01
-0.10	2.4990E-01	2.6800E-01	2.6350E-01	2.8090E-01	2.9940E-01	2.8800E-01	2.3250E-01	2.4800E-01
-0.20	2.5490E-01	2.7000E-01	2.7650E-01	2.8090E-01	2.8940E-01	2.7800E-01	2.1750E-01	2.2800E-01
-0.30	2.5990E-01	2.7800E-01	2.9150E-01	3.0090E-01	3.0940E-01	2.7800E-01	2.0250E-01	2.0800E-01
-0.40	2.6490E-01	2.8800E-01	3.1650E-01	3.3090E-01	3.2940E-01	2.9800E-01	1.8750E-01	1.9300E-01
-0.50	2.8490E-01	3.0300E-01	3.4150E-01	3.7090E-01	3.7940E-01	3.3800E-01	1.6750E-01	1.7800E-01
-0.60	3.0490E-01	3.2300E-01	3.7150E-01	4.2090E-01	4.3940E-01	3.8800E-01	1.5750E-01	1.6800E-01
-0.70	3.2490E-01	3.5300E-01	4.0650E-01	4.8090E-01	4.9940E-01	4.3800E-01	1.3750E-01	1.4800E-01
-0.80	3.4490E-01	3.8500E-01	4.4350E-01	5.4090E-01	5.6940E-01	4.9800E-01	1.2750E-01	1.3800E-01
-0.90	3.6490E-01	4.3000E-01	4.8350E-01	6.1090E-01	6.2940E-01	5.6800E-01	1.0750E-01	1.2800E-01
-1.00	3.8490E-01	4.8300E-01	5.2650E-01	6.9090E-01	7.0940E-01	6.2800E-01	9.2500E-02	1.1500E-01

COS / E	7.7500E 05	7.9500E 05	8.2000E 05	9.0000E 05	1.0000E 06	1.1000E 06	1.2000E 06	1.3000E 06
1.00	8.8850E-01	1.0392E 00	1.0503E 00	6.2700E-01	5.4740E-01	4.9110E-01	4.8450E-01	4.1090E-01
0.90	7.8850E-01	9.4920E-01	9.0030E-01	5.8200E-01	4.9740E-01	4.4110E-01	4.0450E-01	3.7090E-01
0.80	7.0850E-01	8.5920E-01	7.7030E-01	5.3200E-01	4.4740E-01	4.0110E-01	3.4450E-01	3.3590E-01
0.70	6.2850E-01	7.6920E-01	6.6030E-01	4.9200E-01	4.0740E-01	3.6110E-01	2.9950E-01	3.0090E-01
0.60	5.6350E-01	6.6920E-01	5.6030E-01	4.4700E-01	3.7240E-01	3.2110E-01	2.5950E-01	2.6590E-01
0.50	4.9850E-01	5.8920E-01	4.8030E-01	4.0700E-01	3.3740E-01	2.9110E-01	2.2950E-01	2.3590E-01
0.40	4.4850E-01	5.1920E-01	4.1030E-01	3.7200E-01	3.0740E-01	2.6110E-01	2.0450E-01	2.0590E-01
0.30	3.8350E-01	4.4920E-01	3.5030E-01	3.3200E-01	2.8740E-01	2.3110E-01	1.8450E-01	1.7590E-01
0.20	3.6350E-01	3.7920E-01	3.0030E-01	3.0200E-01	2.6740E-01	2.1110E-01	1.6950E-01	1.5590E-01
0.10	3.3350E-01	3.0920E-01	2.7030E-01	2.7200E-01	2.4740E-01	1.9110E-01	1.5950E-01	1.4590E-01
0.00	3.1850E-01	2.7420E-01	2.4030E-01	2.4200E-01	2.3240E-01	1.7110E-01	1.3950E-01	1.3590E-01
-0.10	3.0850E-01	2.6920E-01	2.1530E-01	2.2200E-01	2.2240E-01	1.6110E-01	1.3450E-01	1.3090E-01
-0.20	3.0850E-01	2.6420E-01	1.9230E-01	2.0200E-01	2.1240E-01	1.5110E-01	1.2950E-01	1.2590E-01
-0.30	3.1850E-01	2.5420E-01	1.8030E-01	1.8200E-01	2.0740E-01	1.4110E-01	1.2450E-01	1.2590E-01
-0.40	3.1850E-01	2.4920E-01	1.7530E-01	1.7200E-01	2.0240E-01	1.4110E-01	1.2450E-01	1.2590E-01
-0.50	3.0850E-01	2.4920E-01	1.7530E-01	1.6200E-01	1.9740E-01	1.4110E-01	1.2450E-01	1.2590E-01
-0.60	3.0650E-01	2.4920E-01	1.7530E-01	1.5700E-01	1.9740E-01	1.4610E-01	1.2950E-01	1.2790E-01
-0.70	2.8850E-01	2.4920E-01	1.7530E-01	1.5200E-01	1.9740E-01	1.5110E-01	1.3950E-01	1.3590E-01
-0.80	2.6850E-01	2.4920E-01	1.8030E-01	1.5200E-01	1.9740E-01	1.6110E-01	1.4950E-01	1.3590E-01
-0.90	2.4850E-01	2.5020E-01	1.9030E-01	1.5200E-01	1.9740E-01	1.7110E-01	1.5950E-01	1.4590E-01
-1.00	2.2850E-01	2.5120E-01	2.0030E-01	1.5200E-01	1.9740E-01	1.8110E-01	1.6950E-01	1.5090E-01

COS / E	1.4000E 06	1.5000E 06	1.6000E 06	1.7000E 06	1.8000E 06	1.9000E 06	2.0000E 06	2.1000E 06
1.00	4.0480E-01	3.0310E-01	4.2510E-01	4.1540E-01	3.5600E-01	3.0620E-01	4.5950E-01	4.8420E-01
0.90	3.5980E-01	2.7810E-01	3.8510E-01	3.6540E-01	3.2100E-01	2.7120E-01	4.0450E-01	4.0420E-01
0.80	3.2480E-01	2.5310E-01	3.4510E-01	3.2540E-01	2.9100E-01	2.3620E-01	3.5450E-01	3.3920E-01
0.70	2.8980E-01	2.3310E-01	3.0510E-01	2.9040E-01	2.6100E-01	2.1120E-01	3.0450E-01	2.8420E-01
0.60	2.5980E-01	2.1310E-01	2.7510E-01	2.5540E-01	2.3600E-01	1.8620E-01	2.6950E-01	2.4420E-01
0.50	2.3980E-01	1.9810E-01	2.5510E-01	2.2540E-01	2.1100E-01	1.6620E-01	2.3450E-01	2.1420E-01
0.40	2.1980E-01	1.8810E-01	2.2510E-01	2.0540E-01	1.8600E-01	1.4620E-01	2.0450E-01	1.8420E-01
0.30	1.9980E-01	1.7810E-01	2.0510E-01	1.8040E-01	1.7100E-01	1.3120E-01	1.7950E-01	1.6420E-01
0.20	1.8480E-01	1.6810E-01	1.8510E-01	1.6540E-01	1.5600E-01	1.2120E-01	1.5650E-01	1.4420E-01
0.10	1.6980E-01	1.6310E-01	1.6510E-01	1.4540E-01	1.4100E-01	1.1620E-01	1.3950E-01	1.2420E-01
0.00	1.5980E-01	1.5810E-01	1.5510E-01	1.3540E-01	1.2600E-01	1.1820E-01	1.2450E-01	1.0420E-01
-0.10	1.4980E-01	1.4810E-01	1.4510E-01	1.2540E-01	1.1600E-01	1.2420E-01	1.1450E-01	8.9200E-02
-0.20	1.3980E-01	1.4310E-01	1.3710E-01	1.2040E-01	1.0600E-01	1.2620E-01	1.0450E-01	7.9200E-02
-0.30	1.2980E-01	1.3810E-01	1.3010E-01	1.1540E-01	1.0100E-01	1.2620E-01	9.4500E-02	7.4200E-02
-0.40	1.2480E-01	1.3810E-01	1.2510E-01	1.1540E-01	9.6000E-02	1.2620E-01	8.9500E-02	6.4200E-02
-0.50	1.1980E-01	1.3810E-01	1.2510E-01	1.1540E-01	9.1000E-02	1.2620E-01	8.4500E-02	6.4200E-02
-0.60	1.1980E-01	1.3810E-01	1.2510E-01	1.1540E-01	8.6000E-02	1.2620E-01	8.4500E-02	6.4200E-02
-0.70	1.2980E-01	1.4310E-01	1.2510E-01	1.2540E-01	8.6000E-02	1.2120E-01	8.4500E-02	6.4200E-02
-0.80	1.3480E-01	1.4810E-01	1.3210E-01	1.3040E-01	8.2000E-02	1.1820E-01	8.4500E-02	7.0200E-02
-0.90	1.4480E-01	1.5810E-01	1.4010E-01	1.3540E-01	8.5000E-02	1.1620E-01	8.4500E-02	7.7200E-02
-1.00	1.5980E-01	1.6810E-01	1.4710E-01	1.4540E-01	8.5000E-02	1.0620E-01	8.4500E-02	8.4200E-02

COS / E	2.2000E 06	2.5150E 06	2.7000E 06	3.0100E 06	3.5000E 06	3.7000E 06	3.8500E 06	3.9700E 06
1.00	4.7120E-01	7.4000E-01	6.1000E-01	6.5500E-01	4.6500E-01	5.1000E-01	6.0000E-01	4.4500E-01
0.90	4.0120E-01	6.1400E-01	5.2500E-01	4.9000E-01	3.6500E-01	3.6400E-01	4.3500E-01	3.2400E-01
0.80	3.3620E-01	5.0200E-01	4.5000E-01	3.7200E-01	2.8700E-01	2.8500E-01	3.1400E-01	2.3500E-01
0.70	2.7120E-01	4.0600E-01	3.7500E-01	2.8500E-01	2.2700E-01	2.3200E-01	2.3200E-01	1.7200E-01
0.60	2.2120E-01	3.3700E-01	3.2000E-01	2.2200E-01	1.8000E-01	1.9400E-01	1.8300E-01	1.2400E-01
0.50	1.8620E-01	2.8300E-01	2.7300E-01	1.7400E-01	1.4200E-01	1.6800E-01	1.4700E-01	9.6200E-02
0.40	1.6420E-01	2.3300E-01	2.3700E-01	1.4000E-01	1.1300E-01	1.5000E-01	1.1600E-01	8.1800E-02
0.30	1.4620E-01	1.8800E-01	2.1000E-01	1.1500E-01	9.2000E-02	1.3700E-01	9.7000E-02	7.2600E-02
0.20	1.2620E-01	1.5600E-01	1.8700E-01	9.6500E-02	7.5000E-02	1.2600E-01	7.8000E-02	6.5400E-02
0.10	1.1620E-01	1.2900E-01	1.7000E-01	8.5500E-02	6.3000E-02	1.1500E-01	6.8000E-02	5.9300E-02
0.00	1.0620E-01	1.0900E-01	1.5800E-01	7.7000E-02	5.6000E-02	1.0700E-01	6.0000E-02	5.4200E-02
-0.10	9.6200E-02	9.4000E-02	1.4900E-01	7.5000E-02	5.0000E-02	1.0000E-01	5.4000E-02	4.9100E-02
-0.20	8.6200E-02	8.0200E-02	1.4000E-01	7.3300E-02	4.6000E-02	9.4000E-02	4.8000E-02	4.5000E-02
-0.30	7.8200E-02	7.0300E-02	1.3200E-01	7.2000E-02	4.2000E-02	9.0000E-02	4.2000E-02	4.1700E-02
-0.40	7.6200E-02	6.3400E-02	1.2700E-01	7.2000E-02	4.0000E-02	8.7000E-02	4.1000E-02	3.8800E-02
-0.50	7.8200E-02	5.7400E-02	1.2400E-01	7.4000E-02	3.8000E-02	8.4000E-02	4.1000E-02	3.6800E-02
-0.60	8.6200E-02	5.2500E-02	1.2200E-01	7.7300E-02	4.0000E-02	8.2000E-02	4.2000E-02	3.4800E-02
-0.70	9.3200E-02	4.9500E-02	1.2100E-01	8.4000E-02	4.1000E-02	8.2000E-02	4.3000E-02	3.2700E-02
-0.80	1.0120E-01	4.7000E-02	1.2100E-01	9.3300E-02	4.2000E-02	8.1000E-02	4.5000E-02	3.1700E-02
-0.90	1.1120E-01	4.5500E-02	1.2200E-01	1.0400E-01	4.7000E-02	8.2000E-02	5.0000E-02	3.0600E-02
-1.00	1.2620E-01	4.4000E-02	1.2300E-01	1.1800E-01	5.3000E-02	8.3000E-02	5.6000E-02	2.9700E-02

COS / E	4.1000E 06	4.2000E 06	4.5000E 06	4.8000E 06	5.0000E 06	7.0000E 06	1.4300E 07
1.00	5.6000E-01	4.8000E-01	5.0000E-01	5.1500E-01	7.5000E-01	8.0000E-01	1.3000E 00
0.90	4.5000E-01	3.6700E-01	3.5600E-01	3.6500E-01	4.5000E-01	4.1000E-01	3.0000E-01
0.80	3.5200E-01	2.7000E-01	2.5200E-01	2.5000E-01	2.8800E-01	1.9500E-01	5.7000E-02
0.70	2.7000E-01	1.9400E-01	1.7500E-01	1.6000E-01	1.8100E-01	1.0000E-01	1.9000E-02
0.60	2.0200E-01	1.4800E-01	1.3800E-01	1.1100E-01	1.1000E-01	4.8000E-02	3.4000E-02
0.50	1.5700E-01	1.0700E-01	1.1200E-01	8.2000E-02	7.7000E-02	2.9000E-02	5.4000E-02
0.40	1.2700E-01	9.0000E-02	9.2000E-02	6.2000E-02	5.7000E-02	3.0000E-02	5.8000E-02
0.30	9.9000E-02	7.8000E-02	7.5000E-02	5.0000E-02	4.4000E-02	3.1000E-02	5.4000E-02
0.20	7.7000E-02	6.8000E-02	6.2000E-02	4.0000E-02	3.8000E-02	3.1000E-02	3.2000E-02
0.10	5.8000E-02	5.8000E-02	5.4000E-02	3.6000E-02	3.5000E-02	3.0000E-02	2.2000E-02
0.00	4.4000E-02	5.2000E-02	5.0000E-02	3.4000E-02	3.2000E-02	2.8000E-02	1.9000E-02
-0.10	3.8000E-02	4.7000E-02	4.6000E-02	3.2000E-02	3.1000E-02	2.6000E-02	1.7000E-02
-0.20	3.4000E-02	4.3000E-02	4.2000E-02	3.0000E-02	3.0000E-02	2.3000E-02	1.6000E-02
-0.30	3.2000E-02	4.0000E-02	3.8000E-02	2.8000E-02	2.8000E-02	1.9000E-02	1.5000E-02
-0.40	3.2000E-02	4.0000E-02	3.8000E-02	2.7000E-02	2.6000E-02	1.7000E-02	1.4000E-02
-0.50	3.3000E-02	4.0000E-02	3.8000E-02	2.7000E-02	2.2000E-02	1.6000E-02	1.4000E-02
-0.60	3.8000E-02	4.0000E-02	3.8000E-02	2.8000E-02	2.1000E-02	1.9000E-02	1.4000E-02
-0.70	5.0000E-02	4.1000E-02	3.9000E-02	2.9000E-02	2.1000E-02	2.3000E-02	1.2000E-02
-0.80	7.5000E-02	4.1000E-02	3.9000E-02	3.0000E-02	2.3000E-02	3.1000E-02	7.0000E-03
-0.90	1.0800E-01	4.1000E-02	4.1000E-02	3.2000E-02	2.5000E-02	4.3000E-02	1.0000E-02
-1.00	1.4700E-01	4.1000E-02	4.5000E-02	3.4000E-02	2.7000E-02	5.8000E-02	1.2000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR CR

COS / E	1.0000E 04	6.0000E 04	1.6000E 05	2.5000E 05	3.3000E 05	4.1000E 05	5.0000E 05	5.8000E 05
1.00	7.2700E-01	4.2500E-01	4.8000E-01	3.9200E-01	3.4000E-01	4.6000E-01	4.9000E-01	4.6420E-01
0.90	7.2700E-01	4.2000E-01	4.7000E-01	3.8000E-01	3.3000E-01	4.3000E-01	4.5500E-01	4.1920E-01
0.80	7.2700E-01	4.1800E-01	4.6000E-01	3.7000E-01	3.1000E-01	4.1000E-01	4.2000E-01	3.7920E-01
0.70	7.2700E-01	4.1000E-01	4.5000E-01	3.5700E-01	3.0000E-01	3.9000E-01	3.9000E-01	3.3920E-01
0.60	7.2700E-01	4.1000E-01	4.4000E-01	3.4500E-01	2.8000E-01	3.6500E-01	3.6000E-01	3.0420E-01
0.50	7.2700E-01	4.0500E-01	4.3000E-01	3.3500E-01	2.7000E-01	3.4500E-01	3.3200E-01	2.6920E-01
0.40	7.2700E-01	4.0000E-01	4.2000E-01	3.2300E-01	2.6000E-01	3.2500E-01	3.1000E-01	2.4420E-01
0.30	7.2700E-01	4.0000E-01	4.1300E-01	3.1200E-01	2.5000E-01	3.1000E-01	2.8200E-01	2.1920E-01
0.20	7.2700E-01	4.0000E-01	4.0800E-01	3.0200E-01	2.4000E-01	2.9500E-01	2.6000E-01	1.9920E-01
0.10	7.2700E-01	3.9800E-01	4.0000E-01	2.9200E-01	2.3000E-01	2.8000E-01	2.4200E-01	1.7920E-01
0.00	7.2700E-01	3.9500E-01	3.9500E-01	2.8400E-01	2.2000E-01	2.7000E-01	2.2500E-01	1.6920E-01
-0.10	7.2700E-01	3.9000E-01	3.9000E-01	2.7500E-01	2.1500E-01	2.6000E-01	2.1500E-01	1.5920E-01
-0.20	7.2700E-01	3.9000E-01	3.8500E-01	2.6600E-01	2.1000E-01	2.5500E-01	2.0000E-01	1.5420E-01
-0.30	7.2700E-01	3.8800E-01	3.8000E-01	2.5700E-01	2.0500E-01	2.5000E-01	1.9500E-01	1.5420E-01
-0.40	7.2700E-01	3.8500E-01	3.7800E-01	2.5000E-01	2.0000E-01	2.4500E-01	1.9500E-01	1.5420E-01
-0.50	7.2700E-01	3.8000E-01	3.7200E-01	2.4400E-01	2.0000E-01	2.4500E-01	2.0000E-01	1.5920E-01
-0.60	7.2700E-01	3.8000E-01	3.7000E-01	2.3800E-01	1.9800E-01	2.4500E-01	2.1500E-01	1.6920E-01
-0.70	7.2700E-01	3.7600E-01	3.6600E-01	2.3000E-01	1.9800E-01	2.5000E-01	2.3000E-01	1.7920E-01
-0.80	7.2700E-01	3.7400E-01	3.6200E-01	2.2500E-01	2.0000E-01	2.5500E-01	2.5500E-01	1.9120E-01
-0.90	7.2700E-01	3.7000E-01	3.6000E-01	2.2000E-01	2.0000E-01	2.6000E-01	2.8000E-01	2.0920E-01
-1.00	7.2700E-01	3.7000E-01	3.6000E-01	2.2000E-01	2.0500E-01	2.7000E-01	3.1500E-01	2.2420E-01

COS / E	6.6000E 05	7.3000E 05	8.2000E 05	9.0000E 05	9.8000E 05	1.0600E 06	1.1400E 06	1.2200E 06
1.00	4.9380E-01	3.9860E-01	4.4790E-01	5.6630E-01	5.4550E-01	4.9330E-01	5.8160E-01	5.2110E-01
0.90	4.4380E-01	3.6360E-01	4.1290E-01	4.8630E-01	4.5750E-01	4.1330E-01	4.8160E-01	4.2110E-01
0.80	3.9880E-01	3.2860E-01	3.6790E-01	4.1630E-01	3.8550E-01	3.5330E-01	4.0160E-01	3.4110E-01
0.70	3.5380E-01	2.9360E-01	3.2790E-01	3.5130E-01	3.2550E-01	2.9830E-01	3.3160E-01	2.7110E-01
0.60	3.1880E-01	2.6360E-01	2.9790E-01	3.0130E-01	2.7550E-01	2.5330E-01	2.7660E-01	2.2110E-01
0.50	2.7880E-01	2.3860E-01	1.6790E-01	2.5630E-01	2.3550E-01	2.1330E-01	2.3160E-01	1.8110E-01
0.40	2.4880E-01	2.0860E-01	2.3790E-01	2.1630E-01	1.9550E-01	1.8330E-01	1.9660E-01	1.5610E-01
0.30	2.2880E-01	1.8860E-01	2.1290E-01	1.8630E-01	1.7550E-01	1.6330E-01	1.7160E-01	1.3110E-01
0.20	2.0880E-01	1.6860E-01	1.8790E-01	1.5630E-01	1.5550E-01	1.4330E-01	1.5160E-01	1.2110E-01
0.10	1.8880E-01	1.5860E-01	1.7290E-01	1.3630E-01	1.4050E-01	1.2830E-01	1.3660E-01	1.1110E-01
0.00	1.6880E-01	1.4360E-01	1.5790E-01	1.2630E-01	1.3050E-01	1.2330E-01	1.2160E-01	1.0310E-01
-0.10	1.5880E-01	1.3360E-01	1.4790E-01	1.1630E-01	1.2550E-01	1.1330E-01	1.1160E-01	1.0110E-01
-0.20	1.4880E-01	1.2860E-01	1.3790E-01	1.1630E-01	1.2550E-01	1.1330E-01	1.0960E-01	1.0310E-01
-0.30	1.3880E-01	1.2860E-01	1.3790E-01	1.2630E-01	1.2550E-01	1.1330E-01	1.0960E-01	1.1110E-01
-0.40	1.3880E-01	1.2860E-01	1.3790E-01	1.4130E-01	1.3050E-01	1.1830E-01	1.1160E-01	1.2110E-01
-0.50	1.4880E-01	1.4360E-01	1.4290E-01	1.6630E-01	1.4050E-01	1.2830E-01	1.2160E-01	1.3110E-01
-0.60	1.5380E-01	1.5860E-01	1.5790E-01	1.8630E-01	1.5550E-01	1.4330E-01	1.3160E-01	1.5110E-01
-0.70	1.6380E-01	1.7860E-01	1.6990E-01	2.2130E-01	1.7550E-01	1.5530E-01	1.4160E-01	1.7110E-01
-0.80	1.7680E-01	2.0360E-01	1.8790E-01	2.5630E-01	1.9550E-01	1.7530E-01	1.6160E-01	1.9610E-01
-0.90	1.8880E-01	2.3860E-01	2.0790E-01	2.9630E-01	2.2550E-01	1.9830E-01	1.8160E-01	2.2110E-01
-1.00	2.0880E-01	2.6860E-01	2.3790E-01	3.3630E-01	2.5050E-01	2.2330E-01	2.0660E-01	2.5610E-01

COS / E	1.3000E 06	1.3800E 06	1.4600E 06	1.5500E 06	1.6300E 06	1.7000E 06	1.7800E 06	2.0000E 06
1.00	7.0090E-01	6.5580E-01	8.7070E-01	7.6720E-01	6.8570E-01	6.5380E-01	8.4000E-01	9.2000E-01
0.90	5.6090E-01	5.4080E-01	6.8070E-01	5.6720E-01	5.5070E-01	5.0380E-01	6.4000E-01	7.2000E-01
0.80	4.4590E-01	4.3080E-01	5.2070E-01	4.2720E-01	4.3070E-01	3.8380E-01	4.7000E-01	5.2500E-01
0.70	3.5090E-01	3.4080E-01	3.9570E-01	3.2720E-01	3.2070E-01	2.7880E-01	3.4000E-01	4.0000E-01
0.60	2.8590E-01	2.6580E-01	2.9070E-01	2.5720E-01	2.3570E-01	2.0380E-01	2.5000E-01	2.7500E-01
0.50	2.4090E-01	2.1580E-01	2.1070E-01	2.0220E-01	1.7570E-01	1.5380E-01	1.8000E-01	2.0000E-01
0.40	2.1090E-01	1.8080E-01	1.6070E-01	1.5720E-01	1.3070E-01	1.1380E-01	1.3500E-01	1.2500E-01
0.30	1.9090E-01	1.5080E-01	1.3070E-01	1.2720E-01	1.0570E-01	9.1800E-02	1.0300E-01	9.6000E-02
0.20	1.8090E-01	1.3080E-01	1.0070E-01	9.7200E-02	8.5700E-02	7.3800E-02	8.0000E-02	6.8000E-02
0.10	1.7090E-01	1.2080E-01	9.0700E-02	8.2200E-02	7.0700E-02	6.1800E-02	7.0000E-02	6.0000E-02
0.00	1.6590E-01	1.1080E-01	9.0700E-02	7.2200E-02	6.0700E-02	5.3800E-02	6.0000E-02	5.3000E-02
-0.10	1.6090E-01	1.0080E-01	9.0700E-02	6.7200E-02	5.5700E-02	5.3800E-02	6.0000E-02	5.7000E-02
-0.20	1.6090E-01	1.0080E-01	1.0070E-01	6.7200E-02	5.5700E-02	5.3800E-02	6.0000E-02	6.2000E-02
-0.30	1.6890E-01	1.0080E-01	1.0570E-01	7.5200E-02	6.5700E-02	5.8800E-02	7.0000E-02	7.2000E-02
-0.40	1.7090E-01	1.1080E-01	1.1070E-01	8.7200E-02	7.5700E-02	6.8800E-02	8.5000E-02	8.2000E-02
-0.50	1.8090E-01	1.2080E-01	1.1570E-01	1.0220E-01	9.5700E-02	8.3800E-02	1.0000E-01	9.8000E-02
-0.60	1.9090E-01	1.3080E-01	1.2070E-01	1.2220E-01	1.2070E-01	1.0380E-01	1.3000E-01	1.1500E-01
-0.70	2.0090E-01	1.5080E-01	1.3070E-01	1.4720E-01	1.5570E-01	1.2380E-01	1.5500E-01	1.4000E-01
-0.80	2.1090E-01	1.7080E-01	1.3570E-01	1.7720E-01	1.9570E-01	1.5380E-01	1.8800E-01	1.6500E-01
-0.90	2.2090E-01	2.0080E-01	1.4070E-01	2.1520E-01	2.4070E-01	1.8380E-01	2.2500E-01	2.0500E-01
-1.00	2.3090E-01	2.3080E-01	1.5070E-01	2.5220E-01	2.9070E-01	2.1880E-01	2.6500E-01	2.4500E-01

COS / E	2.3500E 06	2.4500E 06	2.5000E 06	2.8000E 06	2.9000E 06	3.0100E 06	3.7000E 06	3.9900E 06
1.00	1.0500E 00	1.1400E 00	1.3000E 00	1.0750E 00	1.7500E 00	1.0790E 00	1.1250E 00	1.6740E 00
0.90	8.6500E-01	7.8000E-01	9.6000E-01	7.0000E-01	1.0000E 00	6.9500E-01	7.7500E-01	9.4500E-01
0.80	6.8500E-01	5.2000E-01	6.7000E-01	4.3000E-01	5.5000E-01	4.4800E-01	4.7500E-01	5.1800E-01
0.70	5.0000E-01	3.4000E-01	4.2000E-01	2.7500E-01	3.5000E-01	2.7400E-01	2.7500E-01	2.7300E-01
0.60	3.4000E-01	2.3000E-01	2.6000E-01	1.7500E-01	1.5000E-01	1.5200E-01	1.5000E-01	1.3300E-01
0.50	1.8000E-01	1.5000E-01	1.5000E-01	1.1000E-01	1.2000E-01	8.3000E-02	7.0000E-02	6.2500E-02
0.40	8.0000E-02	1.0000E-01	8.5000E-02	7.7500E-02	8.7500E-02	4.9500E-02	5.0000E-02	3.1000E-02
0.30	4.5000E-02	7.0000E-02	6.0000E-02	6.2500E-02	6.7500E-02	3.3500E-02	4.7500E-02	2.1400E-02
0.20	5.5000E-02	6.0000E-02	6.0000E-02	5.4000E-02	5.7500E-02	3.5000E-02	4.2500E-02	2.5200E-02
0.10	8.0000E-02	6.0000E-02	7.0000E-02	5.0000E-02	5.5000E-02	4.4200E-02	4.2500E-02	3.7200E-02
0.00	1.0000E-01	8.0000E-02	8.0000E-02	5.1000E-02	6.0000E-02	5.7000E-02	5.0000E-02	5.1500E-02
-0.10	1.2000E-01	1.0000E-01	9.0000E-02	6.0000E-02	6.7500E-02	7.2200E-02	6.0000E-02	6.5200E-02
-0.20	1.3500E-01	1.1000E-01	1.0000E-01	7.0000E-02	7.4000E-02	8.3800E-02	7.2500E-02	7.6000E-02
-0.30	1.4500E-01	1.2000E-01	1.0000E-01	7.7500E-02	8.0000E-02	9.1000E-02	7.5000E-02	7.8700E-02
-0.40	1.4500E-01	1.3000E-01	1.0000E-01	8.1000E-02	8.4000E-02	9.3500E-02	7.5000E-02	7.4800E-02
-0.50	1.4500E-01	1.3000E-01	1.1000E-01	8.5000E-02	9.2500E-02	9.2000E-02	7.0000E-02	6.5800E-02
-0.60	1.4000E-01	1.4000E-01	1.2000E-01	8.7500E-02	9.7500E-02	8.6300E-02	6.2500E-02	5.4000E-02
-0.70	1.3500E-01	1.4000E-01	1.3000E-01	8.9500E-02	1.0250E-01	8.0000E-02	5.0000E-02	4.3700E-02
-0.80	1.2500E-01	1.6000E-01	1.8000E-01	9.1000E-02	1.0750E-01	7.4000E-02	4.3000E-02	3.7200E-02
-0.90	1.1500E-01	1.9000E-01	2.6000E-01	9.3000E-02	1.1100E-01	6.7800E-02	6.2500E-02	3.2200E-02
-1.00	1.0000E-01	2.6000E-01	3.5000E-01	9.5000E-02	1.1500E-01	6.2000E-02	8.7500E-02	2.1900E-02

COS / E	4.1000E 06	4.2100E 06	4.7000E 06	5.0000E 06	6.0400E 06	7.0000E 06	8.0000E 06	9.0000E 06
1.00	1.6000E 00	1.5000E 00	1.4600E 00	1.8000E 00	1.4000E 00	3.0000E 00	2.7000E 00	2.9000E 00
0.90	8.8000E-01	1.0000E 00	1.0400E 00	1.0000E 00	8.8000E-01	1.0000E 00	1.1020E 00	1.0190E 00
0.80	5.2000E-01	6.5000E-01	6.6000E-01	5.2500E-01	3.8000E-01	4.0000E-01	4.0100E-01	3.2400E-01
0.70	2.8000E-01	3.5000E-01	3.4000E-01	2.5000E-01	2.1000E-01	2.0000E-01	1.2500E-01	8.8300E-02
0.60	1.4000E-01	1.5000E-01	1.8000E-01	1.5000E-01	9.8000E-02	1.0000E-01	3.0400E-02	1.8900E-02
0.50	7.2000E-02	1.0000E-01	9.0000E-02	1.0000E-01	2.9000E-02	1.5000E-02	3.8000E-03	1.6000E-03
0.40	3.7000E-02	5.0000E-02	5.0000E-02	5.0000E-02	1.9000E-02	9.0000E-03	2.8000E-03	9.0000E-04
0.30	2.4000E-02	3.7500E-02	2.7000E-02	1.0000E-02	1.5000E-02	8.5000E-03	8.9000E-03	5.0000E-03
0.20	2.4000E-02	2.7500E-02	2.4000E-02	7.0000E-03	2.1000E-02	1.3000E-02	1.6000E-02	1.1100E-02
0.10	3.7000E-02	2.6000E-02	3.1000E-02	1.3000E-02	3.0000E-02	1.9500E-02	2.1700E-02	1.7500E-02
0.00	4.6000E-02	3.2500E-02	4.0000E-02	2.1500E-02	3.5000E-02	2.3500E-02	2.5200E-02	2.2900E-02
-0.10	5.3000E-02	4.2500E-02	5.1500E-02	2.8000E-02	3.6000E-02	2.5000E-02	2.5900E-02	2.5100E-02
-0.20	5.6000E-02	5.1500E-02	6.0000E-02	3.2000E-02	3.6000E-02	2.5000E-02	2.3800E-02	2.3200E-02
-0.30	5.7000E-02	6.0000E-02	6.5500E-02	3.3500E-02	3.4000E-02	2.3500E-02	1.9400E-02	1.7700E-02
-0.40	5.7000E-02	6.5000E-02	6.6500E-02	3.1000E-02	3.1000E-02	2.1000E-02	1.4400E-02	1.1200E-02
-0.50	5.6000E-02	6.2500E-02	6.1500E-02	2.5000E-02	2.5000E-02	1.8000E-02	9.9000E-03	6.2000E-03
-0.60	5.2000E-02	4.8000E-02	5.2500E-02	1.8500E-02	1.9000E-02	1.2000E-02	6.2000E-03	4.2000E-03
-0.70	4.8000E-02	3.3000E-02	4.2000E-02	1.4000E-02	1.5000E-02	7.0000E-03	2.7000E-03	3.9000E-03
-0.80	4.1000E-02	2.4000E-02	2.8000E-02	1.1000E-02	1.3000E-02	4.5000E-03	7.0000E-04	3.3000E-03
-0.90	3.3000E-02	1.6000E-02	1.2000E-02	9.0000E-03	1.3000E-02	2.0000E-03	1.4400E-02	1.3100E-02
-1.00	2.5000E-02	9.0000E-03	0.	8.0000E-03	1.5000E-02	1.0000E-03	8.9500E-02	8.5000E-02

COS / E	1.0000E 07	1.1000E 07	1.2000E 07	1.3000E 07	1.4500E 07
1.00	3.0000E 00	3.1000E 00	3.1000E 00	3.2000E 00	3.0000E 00
0.90	9.1500E-01	8.0300E-01	6.8800E-01	5.7400E-01	5.0000E-01
0.80	2.4700E-01	1.8000E-01	1.2700E-01	9.0400E-02	4.5000E-02
0.70	5.8200E-02	3.8700E-02	3.1300E-02	3.4200E-02	4.8500E-02
0.60	1.2500E-02	1.1300E-02	1.5000E-02	2.2500E-02	4.3500E-02
0.50	1.6000E-03	3.3000E-03	6.0000E-03	9.6000E-03	2.4000E-02
0.40	1.0000E-04	7.0000E-04	2.3000E-03	4.4000E-03	1.2000E-02
0.30	2.5000E-03	2.8000E-03	5.5000E-03	9.6000E-03	1.2000E-02
0.20	8.2000E-03	9.0000E-03	1.3200E-02	1.9200E-02	1.8000E-02
0.10	1.5700E-02	1.6800E-02	2.0400E-02	2.5500E-02	2.2000E-02
0.00	2.2400E-02	2.3300E-02	2.4900E-02	2.6800E-02	2.2500E-02
-0.10	2.5800E-02	2.6200E-02	2.5700E-02	2.4300E-02	1.9000E-02
-0.20	2.4200E-02	2.4200E-02	2.2600E-02	1.9900E-02	1.3000E-02
-0.30	1.7800E-02	1.7400E-02	1.6100E-02	1.4300E-02	8.5000E-03
-0.40	9.9000E-03	9.1000E-03	8.6000E-03	8.5000E-03	6.5000E-03
-0.50	4.4000E-03	3.8000E-03	4.1000E-03	5.1000E-03	7.0000E-03
-0.60	3.9000E-03	4.7000E-03	5.9000E-03	7.1000E-03	8.5000E-03
-0.70	6.8000E-03	1.0400E-02	1.3100E-02	1.4200E-02	9.5000E-03
-0.80	7.5000E-03	1.2200E-02	1.5600E-02	1.6900E-02	1.0000E-02
-0.90	1.1600E-02	1.0000E-02	8.5000E-03	7.0000E-03	1.0000E-02
-1.00	8.1000E-02	6.5000E-02	5.3000E-02	4.3000E-02	1.0000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR FE

COS / E	1.0000E 04	6.0000E 04	1.0000E 05	2.0000E 05	3.0000E 05	4.0000E 05	5.0000E 05	6.0000E 05
1.00	5.6000E-01	5.0000E-01	4.7500E-01	3.9500E-01	3.1500E-01	4.9000E-01	5.5000E-01	4.5000E-01
0.90	5.6000E-01	4.9000E-01	4.6500E-01	3.8500E-01	3.0000E-01	4.6500E-01	5.0000E-01	4.1000E-01
0.80	5.6000E-01	4.9000E-01	4.6000E-01	3.7500E-01	2.9000E-01	4.4200E-01	4.5000E-01	3.6500E-01
0.70	5.6000E-01	4.8500E-01	4.5500E-01	3.6500E-01	2.7700E-01	4.2000E-01	4.1000E-01	3.2500E-01
0.60	5.6000E-01	4.8000E-01	4.5000E-01	3.5700E-01	2.6500E-01	4.0000E-01	3.7200E-01	2.8500E-01
0.50	5.6000E-01	4.8000E-01	4.4500E-01	3.5000E-01	2.5500E-01	3.8000E-01	3.4000E-01	2.5500E-01
0.40	5.6000E-01	4.7800E-01	4.4000E-01	3.4500E-01	2.4500E-01	3.6000E-01	3.1000E-01	2.2500E-01
0.30	5.6000E-01	4.7500E-01	4.3500E-01	3.4000E-01	2.3700E-01	3.4500E-01	2.8700E-01	2.0000E-01
0.20	5.6000E-01	4.7500E-01	4.3000E-01	3.3500E-01	2.3000E-01	3.3000E-01	2.6800E-01	1.8000E-01
0.10	5.6000E-01	4.7000E-01	4.2500E-01	3.3000E-01	2.2500E-01	3.2000E-01	2.5000E-01	1.6000E-01
0.00	5.6000E-01	4.7000E-01	4.2000E-01	3.2500E-01	2.2000E-01	3.1000E-01	2.3200E-01	1.5000E-01
-0.10	5.6000E-01	4.7000E-01	4.2000E-01	3.2000E-01	2.1500E-01	3.0000E-01	2.2000E-01	1.4000E-01
-0.20	5.6000E-02	4.7000E-01	4.1500E-01	3.1600E-01	2.1000E-01	2.9000E-01	2.1000E-01	1.3000E-01
-0.30	5.6000E-01	4.6500E-01	4.1000E-01	3.1300E-01	2.0500E-01	2.8200E-01	2.0200E-01	1.2000E-01
-0.40	5.6000E-01	4.6500E-01	4.1000E-01	3.1000E-01	2.0000E-01	2.8000E-01	2.0000E-01	1.2000E-01
-0.50	5.6000E-01	4.6000E-01	4.0500E-01	3.0700E-01	2.0000E-01	2.8000E-01	2.0000E-01	1.2200E-01
-0.60	5.6000E-01	4.6000E-01	4.0200E-01	3.0400E-01	1.9500E-01	2.8000E-01	2.0000E-01	1.3000E-01
-0.70	5.6000E-01	4.5800E-01	4.0000E-01	3.0200E-01	1.9500E-01	2.8000E-01	2.0500E-01	1.4000E-01
-0.80	5.6000E-01	4.5500E-01	4.0000E-01	3.0000E-01	1.9200E-01	2.9000E-01	2.1000E-01	1.5000E-01
-0.90	5.6000E-01	4.5200E-01	4.0000E-01	3.0000E-01	1.9000E-01	2.9800E-01	2.2000E-01	1.6000E-01
-1.00	5.6000E-01	4.5200E-01	4.0000E-01	3.0000E-01	1.9000E-01	3.1000E-01	2.3500E-01	1.7000E-01

COS / E	7.0000E 05	8.0000E 05	9.0000E 05	1.0000E 06	1.1000E 06	1.2000E 06	1.3000E 06	1.4000E 06
1.00	4.1500E-01	6.5000E-01	5.4160E-01	4.0570E-01	4.7090E-01	4.8650E-01	6.1820E-01	6.4400E-01
0.90	3.7200E-01	5.7000E-01	4.6660E-01	3.3570E-01	3.9090E-01	3.7150E-01	4.6820E-01	4.8900E-01
0.80	3.3000E-01	5.0000E-01	3.9660E-01	2.7570E-01	3.2090E-01	2.8650E-01	3.5820E-01	3.7900E-01
0.70	3.0000E-01	4.3500E-01	3.3660E-01	2.2570E-01	2.6090E-01	2.2650E-01	2.7820E-01	2.9400E-01
0.60	2.6200E-01	3.8000E-01	2.8660E-01	1.8570E-01	2.1090E-01	1.8150E-01	2.1320E-01	2.3400E-01
0.50	2.3500E-01	3.3000E-01	2.4660E-01	1.4570E-01	1.7090E-01	1.4650E-01	1.6820E-01	1.8400E-01
0.40	2.1000E-01	2.9000E-01	2.0660E-01	1.1570E-01	1.3590E-01	1.2150E-01	1.3820E-01	1.4900E-01
0.30	1.9000E-01	2.6000E-01	1.7660E-01	9.5700E-02	1.1090E-01	1.0150E-01	1.1820E-01	1.1900E-01
0.20	1.7500E-01	2.3000E-01	1.4660E-01	7.5700E-02	8.5900E-02	8.6500E-02	9.8200E-02	9.9000E-02
0.10	1.6000E-01	2.0500E-01	1.2660E-01	6.0700E-02	7.5900E-02	8.1500E-02	8.8200E-02	8.4000E-02
0.00	1.5200E-01	1.8500E-01	1.1360E-01	5.0700E-02	6.5900E-02	8.1500E-02	8.3200E-02	7.4000E-02
-0.10	1.5000E-01	1.7000E-01	1.0660E-01	4.5700E-02	6.5900E-02	8.1500E-02	8.3200E-02	7.1000E-02
-0.20	1.4800E-01	1.6200E-01	9.8600E-02	4.5700E-02	6.7900E-02	8.6500E-02	8.8200E-02	6.9000E-02
-0.30	1.4700E-01	1.6000E-01	9.6600E-02	4.5700E-02	7.0900E-02	9.1500E-02	8.8200E-02	7.4000E-02
-0.40	1.5000E-01	1.6500E-01	9.8600E-02	4.5700E-02	7.5900E-02	1.0150E-01	9.8200E-02	8.4000E-02
-0.50	1.5300E-01	1.8000E-01	1.0660E-01	5.0700E-02	8.5900E-02	1.1650E-01	1.0320E-01	1.0400E-01
-0.60	1.6000E-01	1.9500E-01	1.1660E-01	5.5700E-02	9.5900E-02	1.3650E-01	1.1320E-01	1.3900E-01
-0.70	1.6700E-01	2.1500E-01	1.2660E-01	6.5700E-02	1.1090E-01	1.5350E-01	1.2820E-01	1.7900E-01
-0.80	1.7500E-01	2.4000E-01	1.4160E-01	7.5700E-02	1.2590E-01	1.7150E-01	1.3820E-01	2.2900E-01
-0.90	1.8500E-01	2.7000E-01	1.6160E-01	9.1700E-02	1.4590E-01	1.9650E-01	1.5820E-01	2.8400E-01
-1.00	1.9500E-01	3.0500E-01	1.8160E-01	1.0870E-01	1.6590E-01	2.1650E-01	1.7820E-01	3.6400E-01

COS / E	1.5000E 06	1.6000E 06	1.7000E 06	1.8000E 06	1.9500E 06	2.0100E 06	2.2000E 06	2.2500E 06
1.00	7.0140E-01	6.8090E-01	8.1510E-01	7.2160E-01	5.6500E-01	1.1620E 00	6.4000E-01	8.6000E-01
0.90	5.1640E-01	5.2090E-01	5.5510E-01	5.2660E-01	4.6700E-01	6.5700E-01	5.1000E-01	6.6000E-01
0.80	3.9140E-01	3.7590E-01	4.0010E-01	3.7660E-01	3.6700E-01	4.0100E-01	3.9000E-01	4.9000E-01
0.70	2.9140E-01	2.8090E-01	2.9510E-01	2.6660E-01	2.7500E-01	2.5800E-01	2.8000E-01	3.2000E-01
0.60	2.1140E-01	2.1090E-01	2.2010E-01	1.9160E-01	1.9500E-01	1.6900E-01	2.0000E-01	2.0000E-01
0.50	1.5140E-01	1.6090E-01	1.7510E-01	1.5160E-01	1.4700E-01	1.1600E-01	1.3000E-01	1.2500E-01
0.40	1.1640E-01	1.3090E-01	1.4510E-01	1.2660E-01	1.1400E-01	8.5200E-02	9.5000E-02	9.0000E-02
0.30	9.1400E-02	1.1090E-01	1.2510E-01	1.1160E-01	9.3000E-02	6.7300E-02	7.0000E-02	7.0000E-02
0.20	7.6400E-02	9.0900E-02	1.0510E-01	1.0160E-01	8.2000E-02	5.9500E-02	6.0000E-02	6.0000E-02
0.10	6.3400E-02	8.0900E-02	9.5100E-02	9.1600E-02	8.0000E-02	6.0900E-02	6.0000E-02	6.0000E-02
0.00	6.1400E-02	7.7900E-02	9.0100E-02	8.1600E-02	8.0000E-02	6.7300E-02	6.0000E-02	6.0000E-02
-0.10	6.1400E-02	7.7900E-02	9.5100E-02	8.1600E-02	8.5000E-02	8.0800E-02	7.0000E-02	8.0000E-02
-0.20	6.1400E-02	8.0900E-02	9.5100E-02	8.1600E-02	9.0000E-02	9.3600E-02	7.5000E-02	9.0000E-02
-0.30	7.1400E-02	9.0900E-02	1.0510E-01	9.1600E-02	9.8000E-02	1.0500E-01	8.0000E-02	1.0000E-01
-0.40	8.1400E-02	1.0090E-01	1.1510E-01	9.6600E-02	1.0400E-01	1.1700E-01	9.0000E-02	1.0000E-01
-0.50	9.6400E-02	1.1090E-01	1.2510E-01	1.0160E-01	1.1200E-01	1.2700E-01	1.0000E-01	1.0000E-01
-0.60	1.1340E-01	1.2590E-01	1.3510E-01	1.1160E-01	1.2000E-01	1.3800E-01	1.2000E-01	1.1000E-01
-0.70	1.3640E-01	1.4090E-01	1.4510E-01	1.2160E-01	1.2800E-01	1.4800E-01	1.3000E-01	1.2000E-01
-0.80	1.6140E-01	1.5590E-01	1.6210E-01	1.3160E-01	1.3600E-01	1.5600E-01	1.5000E-01	1.4000E-01
-0.90	1.9140E-01	1.7590E-01	1.8010E-01	1.4660E-01	1.4400E-01	1.5800E-01	1.6300E-01	1.6000E-01
-1.00	2.2140E-01	2.0090E-01	1.9810E-01	1.6160E-01	1.5200E-01	1.5800E-01	1.8000E-01	1.8000E-01

COS / E	2.3500E 06	2.4500E 06	2.5000E 06	2.8000E 06	2.9000E 06	3.0100E 06	3.7000E 06	3.9900E 06
1.00	7.7000E-01	1.1400E 00	1.3000E 00	1.0750E 00	1.7500E 00	1.0790E 00	1.1250E 00	1.6740E 00
0.90	5.6000E-01	7.8000E-01	9.6000E-01	7.0000E-01	1.0000E 00	6.9500E-01	7.7500E-01	9.4500E-01
0.80	3.7000E-01	5.2000E-01	6.7000E-01	4.3000E-01	5.5000E-01	4.4800E-01	4.7500E-01	5.1800E-01
0.70	2.2000E-01	3.4000E-01	4.2000E-01	2.7500E-01	3.5000E-01	2.7400E-01	2.7500E-01	2.7300E-01
0.60	1.3000E-01	2.3000E-01	2.6000E-01	1.7500E-01	1.5000E-01	1.5200E-01	1.5000E-01	1.3300E-01
0.50	1.1000E-01	1.5000E-01	1.5000E-01	1.1000E-01	1.2000E-01	8.3000E-02	7.0000E-02	6.2500E-02
0.40	1.1000E-01	1.0000E-01	8.5000E-02	7.7500E-02	8.7500E-02	4.9500E-02	5.0000E-02	3.1000E-02
0.30	1.2000E-01	7.0000E-02	6.0000E-02	6.2500E-02	6.7500E-02	3.3500E-02	4.7500E-02	2.1400E-02
0.20	1.4000E-01	6.0000E-02	6.0000E-02	5.4000E-02	5.7500E-02	3.5000E-02	4.2500E-02	2.5200E-02
0.10	1.5000E-01	6.0000E-02	7.0000E-02	5.0000E-02	5.5000E-02	4.4200E-02	4.2500E-02	3.7200E-02
0.00	1.6000E-01	8.0000E-02	8.0000E-02	5.1000E-02	6.0000E-02	5.7000E-02	5.0000E-02	5.1500E-02
-0.10	1.6000E-01	1.0000E-01	9.0000E-02	6.0000E-02	6.7500E-02	7.2200E-02	6.0000E-02	6.5200E-02
-0.20	1.6000E-01	1.1000E-01	1.0000E-01	7.0000E-02	7.4000E-02	8.3800E-02	7.2500E-02	7.6000E-02
-0.30	1.6000E-01	1.2000E-01	1.0000E-01	7.7500E-02	8.0000E-02	9.1000E-02	7.5000E-02	7.8700E-02
-0.40	1.5000E-01	1.3000E-01	1.0000E-01	8.1000E-02	8.4000E-02	9.3500E-02	7.5000E-02	7.4800E-02
-0.50	1.4000E-01	1.3000E-01	1.1000E-01	8.5000E-02	9.2500E-02	9.2000E-02	7.0000E-02	6.5800E-02
-0.60	1.3000E-01	1.4000E-01	1.2000E-01	8.7500E-02	9.7500E-02	8.6300E-02	6.2500E-02	5.4000E-02
-0.70	1.2000E-01	1.4000E-01	1.3000E-01	8.9500E-02	1.0250E-01	8.0000E-02	5.0000E-02	4.3700E-02
-0.80	1.0000E-01	1.6000E-01	1.8000E-01	9.1000E-02	1.0750E-01	7.4000E-02	4.3000E-02	3.7200E-02
-0.90	9.0000E-02	1.9000E-01	2.6000E-01	9.3000E-02	1.1100E-01	6.7800E-02	6.2500E-02	3.2200E-02
-1.00	8.0000E-02	2.6000E-01	3.5000E-01	9.5000E-02	1.1500E-01	6.2000E-02	8.7500E-02	2.1900E-02

COS / E	4.1000E 06	4.2100E 06	4.7000E 06	5.0000E 06	6.0400E 06	7.0000E 06	8.0000E 06	9.0000E 06
1.00	1.6000E 00	1.5000E 00	1.4600E 00	1.8000E 00	1.4000E 00	3.0000E 00	2.7000E 00	2.9000E 00
0.90	8.8000E-01	1.0000E 00	1.0400E 00	1.0000E 00	8.8000E-01	1.0000E 00	1.1020E 00	1.0190E 00
0.80	5.2000E-01	6.5000E-01	6.6000E-01	5.2500E-01	3.8000E-01	4.0000E-01	4.0100E-01	3.2400E-01
0.70	2.8000E-01	3.5000E-01	3.4000E-01	2.5000E-01	2.1000E-01	2.0000E-01	1.2500E-01	8.8300E-02
0.60	1.4000E-01	1.5000E-01	1.8000E-01	1.5000E-01	9.8000E-02	1.0000E-01	3.0400E-02	1.8900E-02
0.50	7.2000E-02	1.0000E-01	9.0000E-02	1.0000E-01	2.9000E-02	1.5000E-02	3.8000E-03	1.6000E-03
0.40	3.7000E-02	5.0000E-02	5.0000E-02	5.0000E-02	1.9000E-02	9.0000E-03	2.8000E-03	9.0000E-04
0.30	2.4000E-02	3.7500E-02	2.7000E-02	1.0000E-02	1.5000E-02	8.5000E-03	8.9000E-03	5.0000E-03
0.20	2.4000E-02	2.7500E-02	2.4000E-02	7.0000E-03	2.1000E-02	1.3000E-02	1.6000E-02	1.1100E-02
0.10	3.7000E-02	2.6000E-02	3.1000E-02	1.3000E-02	3.0000E-02	1.9500E-02	2.1700E-02	1.7500E-02
0.00	4.6000E-02	3.2500E-02	4.0000E-02	2.1500E-02	3.5000E-02	2.3500E-02	2.5200E-02	2.2900E-02
-0.10	5.3000E-02	4.2500E-02	5.1500E-02	2.8000E-02	3.6000E-02	2.5000E-02	2.5900E-02	2.5100E-02
-0.20	5.6000E-02	5.1500E-02	6.0000E-02	3.2000E-02	3.6000E-02	2.5000E-02	2.3800E-02	2.3200E-02
-0.30	5.7000E-02	6.0000E-02	6.5500E-02	3.3500E-02	3.4000E-02	2.3500E-02	1.9400E-02	1.7700E-02
-0.40	5.7000E-02	6.5000E-02	6.6500E-02	3.1000E-02	3.1000E-02	2.1000E-02	1.4400E-02	1.1200E-02
-0.50	5.6000E-02	6.2500E-02	6.1500E-02	2.5000E-02	2.5000E-02	1.8000E-02	9.9000E-03	6.2000E-03
-0.60	5.2000E-02	4.8000E-02	5.2500E-02	1.8500E-02	1.9000E-02	1.2000E-02	6.2000E-03	4.2000E-03
-0.70	4.8000E-02	3.3000E-02	4.2000E-02	1.4000E-02	1.5000E-02	7.0000E-03	2.7000E-03	3.9000E-03
-0.80	4.1000E-02	2.4000E-02	2.8000E-02	1.1000E-02	1.3000E-02	4.5000E-03	7.0000E-04	3.3000E-03
-0.90	3.3000E-02	1.6000E-02	1.2000E-02	9.0000E-03	1.3000E-02	2.0000E-03	1.4400E-02	1.3100E-02
-1.00	2.5000E-02	9.0000E-03	0.	8.0000E-03	1.5000E-02	1.0000E-03	8.9500E-02	8.5000E-02

COS / E	1.0000E 07	1.1000E 07	1.2000E 07	1.3000E 07	1.4500E 07
1.00	3.0000E 00	3.1000E 00	3.1000E 00	3.2000E 00	3.0000E 00
0.90	9.1500E-01	8.0300E-01	6.8800E-01	5.7400E-01	5.0000E-01
0.80	2.4700E-01	1.8000E-01	1.2700E-01	9.0400E-02	4.5000E-02
0.70	5.8200E-02	3.8700E-02	3.1300E-02	3.4200E-02	4.8500E-02
0.60	1.2500E-02	1.1300E-02	1.5000E-02	2.2500E-02	4.3500E-02
0.50	1.6000E-03	3.3000E-03	6.0000E-03	9.6000E-03	2.4000E-02
0.40	1.0000E-04	7.0000E-04	2.3000E-03	4.4000E-03	1.2000E-02
0.30	2.5000E-03	2.8000E-03	5.5000E-03	9.6000E-03	1.2000E-02
0.20	8.2000E-03	9.0000E-03	1.3200E-02	1.9200E-02	1.8000E-02
0.10	1.5700E-02	1.6800E-02	2.0400E-02	2.5500E-02	2.2000E-02
0.00	2.2400E-02	2.3300E-02	2.4900E-02	2.6800E-02	2.2500E-02
-0.10	2.5800E-02	2.6200E-02	2.5700E-02	2.4300E-02	1.9000E-02
-0.20	2.4200E-02	2.4200E-02	2.2600E-02	1.9900E-02	1.3000E-02
-0.30	1.7800E-02	1.7400E-02	1.6100E-02	1.4300E-02	8.5000E-03
-0.40	9.9000E-03	9.1000E-03	8.6000E-03	8.5000E-03	6.5000E-03
-0.50	4.4000E-03	3.8000E-03	4.1000E-03	5.1000E-03	7.0000E-03
-0.60	3.9000E-03	4.7000E-03	5.9000E-03	7.1000E-03	8.5000E-03
-0.70	6.8000E-03	1.0400E-02	1.3100E-02	1.4200E-02	9.5000E-03
-0.80	7.5000E-03	1.2200E-02	1.5600E-02	1.6900E-02	1.0000E-02
-0.90	1.1600E-02	1.0000E-02	8.5000E-03	7.0000E-03	1.0000E-02
-1.00	8.1000E-02	6.5000E-02	5.3000E-02	4.3000E-02	1.0000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR NI

COS / E	1.0000E 04	6.0000E 04	1.3000E 05	2.2000E 05	3.1000E 05	3.9000E 05	4.7000E 05	5.5000E 05
1.00	3.6000E-01	8.4200E-01	6.4500E-01	5.7500E-01	5.8000E-01	5.1400E-01	6.1000E-01	5.8700E-01
0.90	3.6000E-01	8.5500E-01	6.4200E-01	5.5700E-01	5.4200E-01	4.7000E-01	5.4600E-01	5.0600E-01
0.80	3.6000E-01	8.6700E-01	6.3900E-01	5.4000E-01	5.0700E-01	4.2700E-01	4.8500E-01	4.2500E-01
0.70	3.6000E-01	8.8200E-01	6.3500E-01	5.2300E-01	4.7000E-01	3.8900E-01	4.3000E-01	3.5500E-01
0.60	3.6000E-01	8.9400E-01	6.3000E-01	5.0400E-01	4.3500E-01	3.5400E-01	3.8400E-01	3.0700E-01
0.50	3.6000E-01	8.9000E-01	6.2300E-01	4.9200E-01	4.1500E-01	3.2900E-01	3.5400E-01	2.8200E-01
0.40	3.6000E-01	8.7900E-01	6.1600E-01	4.8100E-01	4.0900E-01	3.1000E-01	3.3300E-01	2.6600E-01
0.30	3.6000E-01	8.6700E-01	6.1000E-01	4.7200E-01	4.0400E-01	2.9600E-01	3.1600E-01	2.5000E-01
0.20	3.6000E-01	8.5500E-01	6.0300E-01	4.6000E-01	4.0000E-01	2.8400E-01	3.0000E-01	2.3600E-01
0.10	3.6000E-01	8.4400E-01	5.9700E-01	4.5000E-01	3.9600E-01	2.7600E-01	2.8900E-01	2.2200E-01
0.00	3.6000E-01	8.3200E-01	5.8900E-01	4.4100E-01	3.9100E-01	2.6900E-01	2.7900E-01	2.1000E-01
-0.10	3.6000E-01	8.4000E-01	5.9100E-01	4.3800E-01	3.7900E-01	2.6700E-01	2.7100E-01	1.9700E-01
-0.20	3.6000E-01	8.5500E-01	5.9700E-01	4.3500E-01	3.6600E-01	2.6500E-01	2.6400E-01	1.8800E-01
-0.30	3.6000E-01	8.6900E-01	6.0300E-01	4.3200E-01	3.5200E-01	2.6400E-01	2.6000E-01	1.8300E-01
-0.40	3.6000E-01	8.8500E-01	6.0900E-01	4.3000E-01	3.4000E-01	2.6300E-01	2.5700E-01	1.8000E-01
-0.50	3.6000E-01	8.8200E-01	6.0000E-01	4.2300E-01	3.3700E-01	2.6200E-01	2.5700E-01	1.8000E-01
-0.60	3.6000E-01	8.7800E-01	5.9200E-01	4.1700E-01	3.3400E-01	2.6300E-01	2.5800E-01	1.8200E-01
-0.70	3.6000E-01	8.7300E-01	4.8400E-01	4.1000E-01	3.3100E-01	2.6500E-01	2.6000E-01	1.8600E-01
-0.80	3.6000E-01	8.6800E-01	4.7600E-01	4.0200E-01	3.2900E-01	2.7000E-01	2.6500E-01	1.9000E-01
-0.90	3.6000E-01	8.6300E-01	4.6800E-01	3.9500E-01	3.2600E-01	2.7500E-01	2.7200E-01	1.9600E-01
-1.00	3.6000E-01	8.5800E-01	4.6000E-01	3.8800E-01	3.2300E-01	2.8000E-01	2.8200E-01	2.0400E-01

COS / E	6.3000E 05	7.2000E 05	8.0000E 05	8.8000E 05	9.6000E 05	1.0400E 06	1.1200E 06	1.2000E 06
1.00	6.2400E-01	6.6500E-01	5.4000E-01	7.1000E-01	7.7500E-01	6.5000E-01	5.0000E-01	5.8000E-01
0.90	5.5500E-01	5.5500E-01	4.7500E-01	5.9000E-01	6.3000E-01	5.3600E-01	4.3300E-01	4.9500E-01
0.80	4.8000E-01	4.3500E-01	4.0700E-01	4.6600E-01	4.8500E-01	4.1700E-01	3.6500E-01	4.0300E-01
0.70	4.1300E-01	3.5500E-01	3.4600E-01	3.4000E-01	3.4700E-01	3.0000E-01	2.9500E-01	3.1300E-01
0.60	3.5800E-01	2.9700E-01	2.9500E-01	2.7600E-01	2.9500E-01	2.4300E-01	2.5000E-01	2.5000E-01
0.50	3.1700E-01	2.6200E-01	2.6000E-01	2.4700E-01	2.6600E-01	2.1600E-01	2.2500E-01	2.1800E-01
0.40	2.8800E-01	2.4000E-01	2.3700E-01	2.3000E-01	2.4500E-01	1.9800E-01	2.0700E-01	1.9700E-01
0.30	2.6500E-01	2.2200E-01	2.2400E-01	2.1500E-01	2.2700E-01	1.8400E-01	1.9200E-01	1.7700E-01
0.20	2.5200E-01	2.0300E-01	2.1400E-01	2.0400E-01	2.1000E-01	1.7400E-01	1.7800E-01	1.6100E-01
0.10	2.4000E-01	1.9000E-01	2.0700E-01	1.9700E-01	1.9700E-01	1.6600E-01	1.6700E-01	1.5000E-01
0.00	2.3200E-01	1.8000E-01	2.0300E-01	1.9200E-01	1.8400E-01	1.5900E-01	1.6000E-01	1.4200E-01
-0.10	2.2600E-01	1.7000E-01	2.0000E-01	1.8900E-01	1.7400E-01	1.5600E-01	1.5400E-01	1.3700E-01
-0.20	2.2300E-01	1.6300E-01	2.0200E-01	1.8700E-01	1.7100E-01	1.5500E-01	1.5600E-01	1.4500E-01
-0.30	2.2300E-01	1.6300E-01	2.0600E-01	1.8800E-01	1.7300E-01	1.5700E-01	1.6000E-01	1.5500E-01
-0.40	2.2900E-01	1.6900E-01	2.1100E-01	1.9300E-01	1.7800E-01	1.6100E-01	1.6800E-01	1.7000E-01
-0.50	2.4200E-01	1.7500E-01	2.1800E-01	1.9900E-01	1.8400E-01	1.6700E-01	1.8700E-01	1.9000E-01
-0.60	2.5800E-01	1.8600E-01	2.2700E-01	2.1000E-01	1.9300E-01	1.7500E-01	2.0500E-01	2.1000E-01
-0.70	2.7700E-01	2.0000E-01	2.3700E-01	2.3000E-01	2.0500E-01	1.8600E-01	2.3000E-01	2.3500E-01
-0.80	2.9800E-01	2.1500E-01	2.5000E-01	2.5500E-01	2.1800E-01	1.9700E-01	2.5500E-01	2.6700E-01
-0.90	3.2200E-01	2.3400E-01	2.6400E-01	2.8400E-01	2.3500E-01	2.1000E-01	2.8500E-01	2.9800E-01
-1.00	3.4700E-01	2.5400E-01	2.8200E-01	3.1400E-01	2.5200E-01	2.2700E-01	3.1700E-01	3.3500E-01

COS / E	1.2900E 06	1.3600E 06	1.4400E 06	1.5000E 06	1.6000E 06	1.7000E 06	1.8000E 06	2.0000E 06
1.00	6.0500E-01	7.2000E-01	7.2500E-01	7.6000E-01	7.3000E-01	8.5000E-01	7.7000E-01	1.1000E 00
0.90	5.1700E-01	6.1300E-01	5.7500E-01	5.7500E-01	5.7000E-01	5.9000E-01	5.7500E-01	8.3000E-01
0.80	4.2500E-01	5.0400E-01	4.2700E-01	4.5000E-01	4.2500E-01	4.3500E-01	4.2500E-01	5.7000E-01
0.70	3.3200E-01	3.9600E-01	3.3000E-01	3.5000E-01	3.3000E-01	3.3000E-01	3.1500E-01	4.0000E-01
0.60	2.5600E-01	3.0400E-01	2.6000E-01	2.7000E-01	2.6000E-01	2.5500E-01	2.4000E-01	2.4500E-01
0.50	2.1900E-01	2.4000E-01	2.1400E-01	2.1000E-01	2.1000E-01	2.1000E-01	2.0000E-01	1.7000E-01
0.40	1.9600E-01	1.9700E-01	1.8700E-01	1.7500E-01	1.8000E-01	1.8000E-01	1.7500E-01	1.0000E-01
0.30	1.8300E-01	1.6600E-01	1.6700E-01	1.5000E-01	1.6000E-01	1.6000E-01	1.6000E-01	8.0000E-02
0.20	1.7300E-01	1.4700E-01	1.5700E-01	1.3500E-01	1.4000E-01	1.4000E-01	1.5000E-01	6.0000E-02
0.10	1.6500E-01	1.3300E-01	1.5000E-01	1.2200E-01	1.3000E-01	1.3000E-01	1.4000E-01	6.6000E-02
0.00	1.6000E-01	1.2700E-01	1.4700E-01	1.2000E-01	1.2700E-01	1.2500E-01	1.3000E-01	7.3000E-02
-0.10	1.6000E-01	1.2800E-01	1.4800E-01	1.2000E-01	1.2700E-01	1.3000E-01	1.3000E-01	8.3000E-02
-0.20	1.6400E-01	1.3300E-01	1.5100E-01	1.2000E-01	1.3000E-01	1.3000E-01	1.3000E-01	9.3000E-02
-0.30	1.7000E-01	1.4300E-01	1.5600E-01	1.3000E-01	1.4000E-01	1.4000E-01	1.4000E-01	9.9000E-02
-0.40	1.8000E-01	1.5700E-01	1.6600E-01	1.4000E-01	1.5000E-01	1.5000E-01	1.4500E-01	1.0500E-01
-0.50	2.0000E-01	1.7500E-01	1.8400E-01	1.5500E-01	1.6000E-01	1.6000E-01	1.5000E-01	1.1000E-01
-0.60	2.2200E-01	1.9700E-01	2.0500E-01	1.7200E-01	1.7500E-01	1.7000E-01	1.6000E-01	1.1500E-01
-0.70	2.4700E-01	2.2300E-01	2.2700E-01	1.9500E-01	1.9000E-01	1.8000E-01	1.7000E-01	1.2200E-01
-0.80	2.7500E-01	2.5300E-01	2.5500E-01	2.2000E-01	2.0500E-01	1.9700E-01	1.8000E-01	1.3000E-01
-0.90	3.0800E-01	2.8200E-01	2.8500E-01	2.5000E-01	2.2500E-01	2.1500E-01	1.9500E-01	1.5200E-01
-1.00	3.4300E-01	3.1800E-01	3.2000E-01	2.8000E-01	2.5000E-01	2.3300E-01	2.1000E-01	1.7500E-01

COS / E	2.2000E 06	2.2500E 06	2.3500E 06	2.4500E 06	2.5000E 06	2.8000E 06	2.9000E 06	3.7000E 06
1.00	6.4000E-01	8.6000E-01	7.7000E-01	1.1400E 00	1.3000E 00	1.0750E 00	3.1000E-01	1.0600E 00
0.90	5.1000E-01	6.6000E-01	5.6000E-01	7.8000E-01	9.6000E-01	7.0000E-01	2.6500E-01	7.3000E-01
0.80	3.9000E-01	4.9000E-01	3.7000E-01	5.2000E-01	6.7000E-01	4.3000E-01	2.2000E-01	4.4000E-01
0.70	2.8000E-01	3.2000E-01	2.2000E-01	3.4000E-01	4.2000E-01	2.7500E-01	1.8000E-01	2.3000E-01
0.60	2.0000E-01	2.0000E-01	1.3000E-01	2.3000E-01	2.6000E-01	1.7500E-01	1.4000E-01	1.3000E-01
0.50	1.3000E-01	1.2500E-01	1.1000E-01	1.5000E-01	1.5000E-01	1.1000E-01	1.1000E-01	8.0000E-02
0.40	9.5000E-02	9.0000E-02	1.1000E-01	1.0000E-01	8.5000E-02	7.7500E-02	8.0000E-02	4.0000E-02
0.30	7.0000E-02	7.0000E-02	1.2000E-01	7.0000E-02	6.0000E-02	6.2500E-02	5.3000E-02	3.9000E-02
0.20	6.0000E-02	6.0000E-02	1.4000E-01	6.0000E-02	6.0000E-02	5.4000E-02	3.4000E-02	4.5000E-02
0.10	6.0000E-02	6.0000E-02	1.5000E-01	6.0000E-02	7.0000E-02	5.0000E-02	3.6000E-02	5.5000E-02
0.00	6.0000E-02	6.0000E-02	1.6000E-01	8.0000E-02	8.0000E-02	5.1000E-02	4.6000E-02	6.3000E-02
-0.10	7.0000E-02	8.0000E-02	1.6000E-01	1.0000E-01	9.0000E-02	6.0000E-02	6.5000E-02	6.9000E-02
-0.20	7.5000E-02	9.0000E-02	1.6000E-01	1.1000E-01	1.0000E-01	7.0000E-02	7.5000E-02	7.3000E-02
-0.30	8.0000E-02	1.0000E-01	1.6000E-01	1.2000E-01	1.0000E-01	7.7500E-02	7.9000E-02	7.4000E-02
-0.40	9.0000E-02	1.0000E-01	1.5000E-01	1.3000E-01	1.0000E-01	8.1000E-02	7.3000E-02	7.2000E-02
-0.50	1.0000E-01	1.0000E-01	1.4000E-01	1.3000E-01	1.1000E-01	8.5000E-02	6.0000E-02	6.8000E-02
-0.60	1.2000E-01	1.1000E-01	1.3000E-01	1.4000E-01	1.2000E-01	8.7500E-02	4.4000E-02	6.2000E-02
-0.70	1.3000E-01	1.2000E-01	1.2000E-01	1.4000E-01	1.3000E-01	8.9500E-02	3.0000E-02	5.4000E-02
-0.80	1.5000E-01	1.4000E-01	1.0000E-01	1.6000E-01	1.8000E-01	9.1000E-02	3.1000E-02	5.6000E-02
-0.90	1.6300E-01	1.6000E-01	9.0000E-02	1.9000E-01	2.6000E-01	9.3000E-02	5.4000E-02	6.5000E-02
-1.00	1.8000E-01	1.8000E-01	8.0000E-02	2.6000E-01	3.5000E-01	9.5000E-02	8.0000E-02	7.8000E-02

COS / E	3.9900E 06	4.1000E 06	4.2100E 06	4.7000E 06	5.0000E 06	6.0400E 06	7.0000E 06	8.0000E 06
1.00	1.6740E 00	1.6000E 00	1.5000E 00	1.4600E 00	1.4000E 00	1.4000E 00	3.0000E 00	2.7000E 00
0.90	9.4500E-01	8.8000E-01	1.0000E 00	1.0400E 00	8.0000E-01	8.8000E-01	1.0000E 00	1.1020E 00
0.80	5.1800E-01	5.2000E-01	6.5000E-01	6.6000E-01	4.2000E-01	3.8000E-01	4.0000E-01	4.0100E-01
0.70	2.7300E-01	2.8000E-01	3.5000E-01	3.4000E-01	2.4000E-01	2.1000E-01	2.0000E-01	1.2500E-01
0.60	1.3300E-01	1.4000E-01	1.5000E-01	1.8000E-01	1.3000E-01	9.8000E-02	1.0000E-01	3.0400E-02
0.50	6.2500E-02	7.2000E-02	1.0000E-01	9.0000E-02	6.0000E-02	2.9000E-02	1.5000E-02	3.8000E-03
0.40	3.1000E-02	3.7000E-02	5.0000E-02	5.0000E-02	2.0000E-02	1.9000E-02	9.0000E-03	2.8000E-03
0.30	2.1400E-02	2.4000E-02	3.7500E-02	2.7000E-02	9.0000E-03	1.5000E-02	8.5000E-03	8.9000E-03
0.20	2.5200E-02	2.4000E-02	2.7500E-02	2.4000E-02	7.0000E-03	2.1000E-02	1.3000E-02	1.6000E-02
0.10	3.7200E-02	3.7000E-02	2.6000E-02	3.1000E-02	1.5000E-02	3.0000E-02	1.9500E-02	2.1700E-02
0.00	5.1500E-02	4.6000E-02	3.2500E-02	4.0000E-02	2.3000E-02	3.5000E-02	2.3500E-02	2.5200E-02
-0.10	6.5200E-02	5.3000E-02	4.2500E-02	5.1500E-02	3.0000E-02	3.6000E-02	2.5000E-02	2.5900E-02
-0.20	7.6000E-02	5.6000E-02	5.1500E-02	6.0000E-02	3.5000E-02	3.6000E-02	2.5000E-02	2.3800E-02
-0.30	7.8700E-02	5.7000E-02	6.0000E-02	6.5500E-02	3.7000E-02	3.4000E-02	2.3500E-02	1.9400E-02
-0.40	7.4800E-02	5.7000E-02	6.5000E-02	6.6500E-02	2.9000E-02	3.1000E-02	2.1000E-02	1.4400E-02
-0.50	6.5800E-02	5.6000E-02	6.2500E-02	6.1500E-02	1.9000E-02	2.5000E-02	1.8000E-02	9.9000E-03
-0.60	5.4000E-02	5.2000E-02	4.8000E-02	5.2500E-02	1.4000E-02	1.9000E-02	1.2000E-02	6.2000E-03
-0.70	4.3700E-02	4.8000E-02	3.3000E-02	4.2000E-02	1.1000E-02	1.5000E-02	7.0000E-03	2.7000E-03
-0.80	3.7200E-02	4.1000E-02	2.4000E-02	2.8000E-02	9.0000E-03	1.3000E-02	4.5000E-03	7.0000E-04
-0.90	3.2200E-02	3.3000E-02	1.6000E-02	1.2000E-02	8.0000E-03	1.3000E-02	2.0000E-03	1.4400E-02
-1.00	2.1900E-02	2.5000E-02	9.0000E-03	0.	7.0000E-03	1.5000E-02	1.0000E-03	8.9500E-02

COS / E	9.0000E 06	1.0000E 07	1.1000E 07	1.2000E 07	1.3000E 07	1.4000E 07
1.00	2.9000E 00	3.0000E 00	3.1000E 00	3.1000E 00	3.2000E 00	3.3000E 00
0.90	1.0190E 00	9.1500E-01	8.0300E-01	6.8800E-01	5.7400E-01	5.0000E-01
0.80	3.2400E-01	2.4700E-01	1.8000E-01	1.2700E-01	9.0400E-02	9.0000E-02
0.70	8.8300E-02	5.8200E-02	3.8700E-02	3.1300E-02	3.4200E-02	5.7000E-02
0.60	1.8900E-02	1.2500E-02	1.1300E-02	1.5000E-02	2.2500E-02	3.8000E-02
0.50	1.6000E-03	1.6000E-03	3.3000E-03	6.0000E-03	9.6000E-03	2.0000E-02
0.40	9.0000E-04	1.0000E-04	7.0000E-04	2.3000E-03	4.4000E-03	9.0000E-03
0.30	5.0000E-03	2.5000E-03	2.8000E-03	5.5000E-03	9.6000E-03	1.1000E-02
0.20	1.1100E-02	8.2000E-03	9.0000E-03	1.3200E-02	1.9200E-02	1.8000E-02
0.10	1.7500E-02	1.5700E-02	1.6800E-02	2.0400E-02	2.5500E-02	2.2000E-02
0.00	2.2900E-02	2.2400E-02	2.3300E-02	2.4900E-02	2.6800E-02	2.1000E-02
-0.10	2.5100E-02	2.5800E-02	2.6200E-02	2.5700E-02	2.4300E-02	1.4000E-02
-0.20	2.3200E-02	2.4200E-02	2.4200E-02	2.2600E-02	1.9900E-02	8.0000E-03
-0.30	1.7700E-02	1.7800E-02	1.7400E-02	1.6100E-02	1.4300E-02	4.0000E-03
-0.40	1.1200E-02	9.9000E-03	9.1000E-03	8.6000E-03	8.5000E-03	5.0000E-03
-0.50	6.2000E-03	4.4000E-03	3.8000E-03	4.1000E-03	5.1000E-03	6.0000E-03
-0.60	4.2000E-03	3.9000E-03	4.7000E-03	5.9000E-03	7.1000E-03	8.0000E-03
-0.70	3.9000E-03	6.8000E-03	1.0400E-02	1.3100E-02	1.4200E-02	7.0000E-03
-0.80	3.3000E-03	7.5000E-03	1.2200E-02	1.5600E-02	1.6900E-02	5.0000E-03
-0.90	1.3100E-02	1.1600E-02	1.0000E-02	8.5000E-03	7.0000E-03	5.0000E-03
-1.00	8.5000E-02	8.1000E-02	6.5000E-02	5.3000E-02	4.3000E-02	1.0000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR MO

COS / E	1.0000E 04	3.0000E 04	6.0000E 04	1.4000E 05	2.3000E 05	3.3000E 05	4.0000E 05	4.5000E 05
1.00	4.9300E-01	8.9000E-01	9.3000E-01	1.0150E 00	1.1288E 00	1.3647E 00	1.6118E 00	1.6498E 00
0.90	4.9300E-01	8.6800E-01	8.9000E-01	9.6000E-01	1.0888E 00	1.2547E 00	1.4318E 00	1.4398E 00
0.80	4.9300E-01	8.4000E-01	8.5500E-01	9.1000E-01	1.0438E 00	1.1497E 00	1.2718E 00	1.2498E 00
0.70	4.9300E-01	8.2000E-01	8.2000E-01	8.6000E-01	9.9880E-01	1.0447E 00	1.1318E 00	1.0898E 00
0.60	4.9300E-01	7.9500E-01	7.9000E-01	8.1000E-01	8.5880E-01	9.5470E-01	9.9180E-01	9.4980E-01
0.50	4.9300E-01	7.7500E-01	7.6000E-01	7.7000E-01	8.1080E-01	8.6470E-01	8.7180E-01	8.2980E-01
0.40	4.9300E-01	7.5500E-01	7.3700E-01	7.3200E-01	7.6880E-01	7.8470E-01	7.7180E-01	7.1980E-01
0.30	4.9300E-01	7.4000E-01	7.1500E-01	7.0000E-01	7.2580E-01	7.1470E-01	6.8680E-01	6.2980E-01
0.20	4.9300E-01	7.2500E-01	6.9500E-01	6.7000E-01	6.7880E-01	6.4470E-01	6.1180E-01	5.4980E-01
0.10	4.9300E-01	7.1100E-01	6.7800E-01	6.4500E-01	6.3880E-01	5.9470E-01	5.3680E-01	4.8980E-01
0.00	4.9300E-01	7.0000E-01	6.6400E-01	6.2000E-01	5.9880E-01	5.4470E-01	4.8680E-01	4.2980E-01
-0.10	4.9300E-01	6.9200E-01	6.5400E-01	6.0500E-01	5.5880E-01	5.0470E-01	4.4180E-01	3.8980E-01
-0.20	4.9300E-01	6.9000E-01	6.5000E-01	5.9000E-01	5.2880E-01	4.7470E-01	4.1180E-01	3.6480E-01
-0.30	4.9300E-01	6.9000E-01	6.5000E-01	5.8500E-01	5.0880E-01	4.4970E-01	3.8180E-01	3.4980E-01
-0.40	4.9300E-01	6.9000E-01	6.5000E-01	5.8000E-01	4.9380E-01	4.2970E-01	3.6180E-01	3.3980E-01
-0.50	4.9300E-01	6.9200E-01	6.5600E-01	5.8000E-01	4.9380E-01	4.1970E-01	3.6180E-01	3.4480E-01
-0.60	4.9300E-01	6.9500E-01	6.6500E-01	5.9000E-01	4.9880E-01	4.1970E-01	3.7180E-01	3.4980E-01
-0.70	4.9300E-01	7.0000E-01	6.7500E-01	5.9800E-01	5.0880E-01	4.2670E-01	3.8180E-01	3.6980E-01
-0.80	4.9300E-01	7.0500E-01	6.8700E-01	6.1000E-01	5.2880E-01	4.4470E-01	4.1180E-01	4.0980E-01
-0.90	4.9300E-01	7.1000E-01	7.0000E-01	6.3000E-01	5.4880E-01	4.7470E-01	4.5180E-01	4.4980E-01
-1.00	4.9300E-01	7.1800E-01	7.1800E-01	6.5000E-01	5.6880E-01	5.0470E-01	5.2180E-01	5.0980E-01

COS / E	4.8000E 05	5.1000E 05	5.5000E 05	6.0000E 05	6.4000E 05	7.0000E 05	7.3000E 05	8.0000E 05
1.00	1.5232E 00	1.6877E 00	1.6956E 00	1.7019E 00	1.5777E 00	1.7314E 00	1.8386E 00	1.7223E 00
0.90	1.3832E 00	1.4877E 00	1.4856E 00	1.4819E 00	1.4027E 00	1.4814E 00	1.3386E 00	1.4623E 00
0.80	1.2432E 00	1.2977E 00	1.2856E 00	1.2819E 00	1.2327E 00	1.2714E 00	1.0336E 00	1.2223E 00
0.70	1.1182E 00	1.1377E 00	1.1056E 00	1.1119E 00	1.0727E 00	1.0814E 00	8.2860E-01	1.0323E 00
0.60	9.9320E-01	9.8770E-01	9.5560E-01	9.6190E-01	9.2770E-01	9.1640E-01	6.8360E-01	8.7230E-01
0.50	8.8320E-01	8.5770E-01	8.2560E-01	8.3190E-01	8.0270E-01	7.7640E-01	5.8360E-01	7.3230E-01
0.40	7.8320E-01	7.4770E-01	7.0560E-01	7.2190E-01	6.8770E-01	6.5840E-01	5.1460E-01	6.2230E-01
0.30	6.8820E-01	6.4770E-01	6.0560E-01	6.2190E-01	5.9270E-01	5.5140E-01	4.5860E-01	5.2230E-01
0.20	6.0820E-01	5.5770E-01	5.2560E-01	5.4190E-01	5.1270E-01	4.7140E-01	4.1460E-01	4.3230E-01
0.10	5.3820E-01	4.8770E-01	4.4560E-01	4.8190E-01	4.4770E-01	3.9140E-01	3.7160E-01	3.6230E-01
0.00	4.6820E-01	4.2770E-01	3.8560E-01	4.2190E-01	3.9270E-01	3.3140E-01	3.3360E-01	3.1230E-01
-0.10	4.1820E-01	3.6770E-01	3.4560E-01	4.8190E-01	3.4770E-01	2.9140E-01	2.9860E-01	2.6230E-01
-0.20	3.7820E-01	3.3770E-01	3.0560E-01	3.4190E-01	3.1270E-01	2.5140E-01	2.7360E-01	2.3230E-01
-0.30	3.4820E-01	3.0770E-01	2.8560E-01	3.2190E-01	2.8770E-01	2.3140E-01	2.5360E-01	2.1230E-01
-0.40	3.3820E-01	2.8770E-01	2.7560E-01	3.0190E-01	2.6770E-01	2.1140E-01	2.3860E-01	2.0730E-01
-0.50	3.3820E-01	2.8770E-01	2.7560E-01	2.9690E-01	2.6270E-01	2.1140E-01	2.3360E-01	2.0730E-01
-0.60	3.3820E-01	2.9770E-01	2.8560E-01	3.0190E-01	2.6770E-01	2.3140E-01	2.3860E-01	2.2230E-01
-0.70	3.5320E-01	3.2770E-01	3.1060E-01	3.2390E-01	2.7270E-01	2.5140E-01	2.4860E-01	2.4230E-01
-0.80	3.7320E-01	3.6770E-01	3.4560E-01	3.6190E-01	2.8770E-01	3.0140E-01	2.5860E-01	2.7230E-01
-0.90	4.0320E-01	4.1270E-01	4.0060E-01	4.0390E-01	3.0770E-01	3.5140E-01	2.7860E-01	3.2230E-01
-1.00	4.3820E-01	4.6770E-01	4.6560E-01	4.6190E-01	3.3770E-01	4.3140E-01	3.0860E-01	4.1230E-01

COS / E	8.5000E 05	8.9000E 05	9.7000E 05	1.0000E 06	1.0500E 06	1.1300E 06	1.2100E 06	1.2900E 06
1.00	1.7166E 00	1.5161E 00	1.6016E 00	1.3837E 00	1.4590E 00	1.5593E 00	1.5097E 00	1.4806E 00
0.90	1.4166E 00	1.3361E 00	1.3016E 00	1.1937E 00	1.2340E 00	1.2093E 00	1.2247E 00	1.1406E 00
0.80	1.1866E 00	1.1511E 00	1.0666E 00	1.0137E 00	1.0590E 00	9.5930E-01	9.6970E-01	9.3060E-01
0.70	9.7660E-01	9.7110E-01	8.8660E-01	8.4370E-01	9.0400E-01	7.7930E-01	7.6970E-01	7.4060E-01
0.60	8.3660E-01	7.8610E-01	7.4660E-01	6.9370E-01	6.7900E-01	6.3930E-01	6.1970E-01	5.8560E-01
0.50	6.9660E-01	6.5110E-01	6.2160E-01	5.6370E-01	5.6400E-01	5.1930E-01	5.0970E-01	4.8060E-01
0.40	5.8160E-01	5.5110E-01	5.1660E-01	4.5370E-01	4.6900E-01	4.1930E-01	4.0970E-01	3.9060E-01
0.30	4.8660E-01	4.7110E-01	4.3160E-01	3.5370E-01	3.8900E-01	3.4430E-01	3.3970E-01	3.2560E-01
0.20	4.0660E-01	4.0110E-01	3.6160E-01	2.8370E-01	3.2400E-01	2.8130E-01	2.7970E-01	2.6560E-01
0.10	3.3660E-01	3.4110E-01	3.0660E-01	2.2370E-01	2.6900E-01	2.2930E-01	2.2970E-01	2.2060E-01
0.00	2.8660E-01	2.9110E-01	2.5660E-01	1.8370E-01	2.1900E-01	1.8930E-01	1.8470E-01	1.7560E-01
-0.10	2.4160E-01	2.4610E-01	2.1660E-01	1.5370E-01	1.7900E-01	1.5930E-01	1.4970E-01	1.4560E-01
-0.20	2.1660E-01	2.1610E-01	1.8660E-01	1.1370E-01	1.4900E-01	1.3430E-01	1.2970E-01	1.2060E-01
-0.30	1.9660E-01	1.9610E-01	1.6660E-01	9.3700E-02	1.2900E-01	1.1930E-01	1.0970E-01	1.0560E-01
-0.40	1.9660E-01	1.8610E-01	1.5160E-01	8.3700E-02	1.1900E-01	1.0930E-01	9.9700E-02	9.5600E-02
-0.50	1.9660E-01	1.8610E-01	1.4860E-01	8.3700E-02	1.1900E-01	1.0930E-01	9.9700E-02	9.0600E-02
-0.60	2.0660E-01	1.8610E-01	1.5160E-01	8.3700E-02	1.1900E-01	1.1930E-01	1.0170E-01	9.5600E-02
-0.70	2.1660E-01	1.9610E-01	1.6160E-01	9.3700E-02	1.2100E-01	1.2930E-01	1.1470E-01	1.0560E-01
-0.80	2.5660E-01	2.1110E-01	1.7660E-01	9.3700E-02	1.5700E-01	1.5430E-01	1.3670E-01	1.2560E-01
-0.90	3.2660E-01	2.3110E-01	2.0660E-01	1.1370E-01	1.9400E-01	1.8930E-01	1.5970E-01	1.5060E-01
-1.00	4.0660E-01	2.6110E-01	2.4160E-01	1.3370E-01	2.2400E-01	2.2930E-01	1.8970E-01	1.8060E-01

COS / E	1.3700E 06	2.0000E 06	2.9000E 06	3.7000E 06	4.1000E 06	5.0000E 06	6.0400E 06	7.0000E 06
1.00	1.5977E 00	1.5000E 00	9.2500E-01	1.1000E 00	1.2000E 00	9.7500E-01	1.6950E 00	3.8720E 00
0.90	1.1527E 00	1.1300E 00	7.2500E-01	6.5000E-01	6.7500E-01	6.2500E-01	8.3000E-01	9.0100E-01
0.80	9.0770E-01	7.7500E-01	5.2500E-01	3.2500E-01	3.0000E-01	3.0000E-01	2.3000E-01	1.1800E-01
0.70	7.0770E-01	5.7000E-01	3.5000E-01	1.2500E-01	1.1500E-01	1.0000E-01	2.2000E-02	3.4000E-02
0.60	5.6770E-01	3.8000E-01	2.2000E-01	8.0000E-02	7.0000E-02	3.0000E-02	4.2000E-02	9.4000E-02
0.50	4.5770E-01	2.9000E-01	1.3700E-01	6.5000E-02	1.0200E-01	3.0000E-02	1.0000E-01	1.3500E-01
0.40	3.7270E-01	2.1500E-01	1.4200E-01	7.0000E-02	1.4200E-01	5.5000E-02	1.3000E-01	1.3400E-01
0.30	3.0770E-01	1.8500E-01	1.6700E-01	8.5000E-02	1.5500E-01	8.5000E-02	1.3000E-01	1.0900E-01
0.20	2.4770E-01	1.5500E-01	1.6000E-01	9.7000E-02	1.5500E-01	1.0500E-01	1.1000E-01	7.7000E-02
0.10	2.0770E-01	1.3500E-01	1.2500E-01	1.0500E-01	1.3700E-01	1.0500E-01	8.0000E-02	4.9000E-02
0.00	1.6770E-01	1.1500E-01	1.0500E-01	1.0500E-01	1.0200E-01	8.5000E-02	5.0000E-02	2.9000E-02
-0.10	1.3770E-01	9.5000E-02	9.5000E-02	9.2000E-02	7.5000E-02	3.7000E-02	2.0000E-02	1.7000E-02
-0.20	1.1270E-01	7.6000E-02	9.0000E-02	7.0000E-02	5.2000E-02	1.7000E-02	1.0000E-02	1.3000E-02
-0.30	9.7700E-02	6.3000E-02	9.0000E-02	4.5000E-02	3.7000E-02	5.0000E-03	1.5000E-02	1.6000E-02
-0.40	8.2700E-02	5.1000E-02	9.0000E-02	3.2000E-02	3.2000E-02	5.0000E-03	2.0000E-02	2.3000E-02
-0.50	7.7700E-02	4.5000E-02	9.2000E-02	2.5000E-02	3.5000E-02	1.5000E-02	2.5000E-02	3.0000E-02
-0.60	8.2700E-02	5.2000E-02	9.7000E-02	2.2000E-02	4.0000E-02	2.5000E-02	3.5000E-02	3.4000E-02
-0.70	8.7700E-02	8.3000E-02	1.0700E-01	3.5000E-02	5.5000E-02	2.7000E-02	4.0000E-02	3.0000E-02
-0.80	1.0770E-01	1.1500E-01	1.2000E-01	4.5000E-02	7.5000E-02	2.5000E-02	3.0000E-02	2.1000E-02
-0.90	1.2770E-01	1.9000E-01	1.4000E-01	5.5000E-02	9.7000E-02	1.7000E-02	1.2000E-02	1.7000E-02
-1.00	1.5770E-01	2.8000E-01	1.6200E-01	6.5000E-02	1.1700E-01	5.0000E-03	0.	3.7000E-02

COS / E	8.0000E 06	9.0000E 06	1.0000E 07	1.1000E 07	1.2000E 07	1.3000E 07	1.4000E 07
1.00	4.6620E 00	5.3740E 00	6.0010E 00	6.5520E 00	7.0370E 00	7.4540E 00	7.6300E 00
0.90	1.0010E 00	1.0720E 00	1.1050E 00	1.0980E 00	1.0510E 00	9.7300E-01	8.7200E-01
0.80	1.2600E-01	1.3000E-01	1.2600E-01	1.1300E-01	9.4000E-02	7.1000E-02	1.0000E-01
0.70	5.3000E-02	6.3000E-02	6.3000E-02	5.7000E-02	4.7000E-02	3.6000E-02	1.6000E-02
0.60	1.1400E-01	1.1700E-01	1.0800E-01	9.2000E-02	7.1000E-02	5.2000E-02	3.2500E-02
0.50	1.4000E-01	1.3100E-01	1.1200E-01	9.0000E-02	6.7000E-02	4.8000E-02	3.4300E-02
0.40	1.2400E-01	1.0500E-01	8.4000E-02	6.5000E-02	4.9000E-02	3.9000E-02	3.3500E-02
0.30	8.9000E-02	6.8000E-02	5.1000E-02	3.9000E-02	3.1000E-02	2.8000E-02	3.1000E-02
0.20	5.6000E-02	3.8000E-02	2.6000E-02	1.9000E-02	1.7000E-02	1.7000E-02	2.6500E-02
0.10	3.2000E-02	2.0000E-02	1.2000E-02	9.0000E-03	8.0000E-03	9.0000E-03	2.0500E-02
0.00	1.8000E-02	1.1000E-02	8.0000E-03	7.0000E-03	6.0000E-03	6.0000E-03	1.2500E-02
-0.10	1.2000E-02	1.0000E-02	9.0000E-03	9.0000E-03	9.0000E-03	1.0000E-02	1.4500E-02
-0.20	1.2000E-02	1.1000E-02	1.1000E-02	1.2000E-02	1.4000E-02	1.6000E-02	1.8000E-02
-0.30	1.5000E-02	1.4000E-02	1.4000E-02	1.4000E-02	1.6000E-02	1.9000E-02	1.9200E-02
-0.40	2.0000E-02	1.8000E-02	1.5000E-02	1.5000E-02	1.5000E-02	1.5000E-02	1.9000E-02
-0.50	2.5000E-02	2.0000E-02	1.6000E-02	1.4000E-02	1.2000E-02	1.1000E-02	1.6500E-02
-0.60	2.5000E-02	1.8000E-02	1.4000E-02	1.2000E-02	1.0000E-02	9.0000E-03	1.3000E-02
-0.70	2.0000E-02	1.3000E-02	9.0000E-03	7.0000E-03	7.0000E-03	8.0000E-03	1.0500E-02
-0.80	1.4000E-02	9.0000E-03	5.0000E-03	4.0000E-03	4.0000E-03	5.0000E-03	8.0000E-03
-0.90	1.7000E-02	1.7000E-02	1.6000E-02	1.5000E-02	1.5000E-02	1.4000E-02	9.0000E-03
-1.00	4.1000E-02	4.3000E-02	4.2000E-02	3.8000E-02	3.0000E-02	2.1000E-02	2.8000E-02

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR U 235

COS / E	1.0000E 04	5.0000E 04	7.5000E 04	1.0000E 05	1.5700E 05	2.0000E 05	2.5000E 05	3.0000E 05
1.00	1.1300E 00	1.1010E 00	1.4800E 00	1.1278E 00	1.5430E 00	1.2937E 00	1.5500E 00	1.3813E 00
0.90	1.1300E 00	1.0560E 00	1.4250E 00	1.0898E 00	1.4350E 00	1.1837E 00	1.3900E 00	1.2363E 00
0.80	1.1300E 00	1.0260E 00	1.3700E 00	1.0528E 00	1.3390E 00	1.0937E 00	1.2450E 00	1.1113E 00
0.70	1.1300E 00	1.0060E 00	1.3150E 00	1.0178E 00	1.2400E 00	1.0237E 00	1.1300E 00	9.9630E-01
0.60	1.1300E 00	9.9300E-01	1.2570E 00	9.8280E-01	1.1550E 00	9.5370E-01	1.0150E 00	8.9630E-01
0.50	1.1300E 00	9.8600E-01	1.2000E 00	9.5780E-01	1.0800E 00	8.8870E-01	9.3000E-01	8.0130E-01
0.40	1.1300E 00	9.9600E-01	1.1450E 00	9.3780E-01	1.0150E 00	8.2870E-01	8.5500E-01	7.2130E-01
0.30	1.1300E 00	9.9600E-01	1.0960E 00	9.1780E-01	9.5000E-01	7.7370E-01	7.8500E-01	6.6130E-01
0.20	1.1300E 00	9.8600E-01	1.0510E 00	8.9780E-01	8.9900E-01	7.3370E-01	7.2000E-01	6.1130E-01
0.10	1.1300E 00	9.6600E-01	1.0170E 00	8.7480E-01	8.4500E-01	6.9370E-01	6.5500E-01	5.7130E-01
0.00	1.1300E 00	9.3600E-01	9.8000E-01	8.5280E-01	8.0500E-01	6.6170E-01	6.1000E-01	5.3330E-01
-0.10	1.1300E 00	9.1100E-01	9.5000E-01	8.2780E-01	7.6500E-01	6.3370E-01	5.6000E-01	5.0630E-01
-0.20	1.1300E 00	8.9600E-01	9.3000E-01	8.1280E-01	7.2500E-01	6.0870E-01	5.2000E-01	4.7630E-01
-0.30	1.1300E 00	8.9100E-01	9.1000E-01	7.9380E-01	6.9500E-01	5.9370E-01	4.9500E-01	4.4630E-01
-0.40	1.1300E 00	8.8600E-01	8.9900E-01	7.5780E-01	6.6500E-01	5.6870E-01	4.7000E-01	4.1630E-01
-0.50	1.1300E 00	8.8600E-01	8.8800E-01	7.2580E-01	6.5200E-01	5.3370E-01	4.6000E-01	3.9130E-01
-0.60	1.1300E 00	8.9100E-01	8.8000E-01	7.0780E-01	6.3700E-01	4.8370E-01	4.5000E-01	3.7130E-01
-0.70	1.1300E 00	8.9600E-01	8.8500E-01	7.0780E-01	6.2500E-01	4.8370E-01	4.5500E-01	3.6130E-01
-0.80	1.1300E 00	9.0600E-01	8.9000E-01	7.2780E-01	6.1500E-01	4.9870E-01	4.5800E-01	3.6130E-01
-0.90	1.1300E 00	9.1600E-01	8.9800E-01	7.5780E-01	6.0800E-01	5.1370E-01	4.6500E-01	3.6130E-01
-1.00	1.1300E 00	9.3100E-01	9.0500E-01	7.9780E-01	6.0200E-01	5.2870E-01	4.7900E-01	3.6630E-01

COS / E	3.5000E 05	4.0000E 05	5.0000E 05	5.5000E 05	6.0000E 05	6.5000E 05	7.2000E 05	7.7000E 05
1.00	1.4000E 00	1.5143E 00	1.4454E 00	1.5549E 00	1.7043E 00	1.8800E 00	1.6600E 00	1.6000E 00
0.90	1.2600E 00	1.2593E 00	1.2054E 00	1.3109E 00	1.2293E 00	1.5000E 00	1.3400E 00	1.2600E 00
0.80	1.1200E 00	1.0743E 00	1.0254E 00	1.0849E 00	9.6430E-01	1.2000E 00	1.1000E 00	9.6000E-01
0.70	1.0000E 00	9.1930E-01	8.6540E-01	8.8490E-01	7.8430E-01	9.4000E-01	8.8000E-01	7.4000E-01
0.60	8.8000E-01	8.0430E-01	7.0540E-01	7.5090E-01	6.4930E-01	7.6000E-01	6.8000E-01	6.3000E-01
0.50	7.6000E-01	7.0430E-01	6.2540E-01	6.2890E-01	5.3930E-01	6.4000E-01	5.6000E-01	5.4000E-01
0.40	7.2000E-01	6.2430E-01	5.0540E-01	5.1990E-01	4.5430E-01	5.3000E-01	4.5000E-01	4.5000E-01
0.30	6.6000E-01	5.5430E-01	4.2540E-01	4.6990E-01	3.8430E-01	4.4000E-01	3.7000E-01	3.7000E-01
0.20	6.2000E-01	5.0430E-01	3.6540E-01	4.1990E-01	3.3930E-01	3.7000E-01	3.2000E-01	3.2000E-01
0.10	5.8000E-01	4.5930E-01	3.2540E-01	3.7690E-01	3.0430E-01	3.1000E-01	2.9000E-01	2.9000E-01
0.00	5.4000E-01	4.2430E-01	2.8540E-01	3.3990E-01	2.7930E-01	2.8000E-01	2.7000E-01	2.7000E-01
-0.10	5.0000E-01	3.9430E-01	2.5540E-01	3.0790E-01	2.5430E-01	2.6000E-01	2.5000E-01	2.5000E-01
-0.20	4.7000E-01	3.6430E-01	2.3540E-01	2.8090E-01	2.4430E-01	2.4000E-01	2.4000E-01	2.4000E-01
-0.30	4.5000E-01	3.4430E-01	2.1540E-01	2.6190E-01	2.3430E-01	2.4000E-01	2.3000E-01	2.3000E-01
-0.40	4.3000E-01	3.1930E-01	2.0540E-01	2.4990E-01	2.2430E-01	2.3000E-01	2.2000E-01	2.2000E-01
-0.50	4.1000E-01	3.0430E-01	1.9540E-01	2.4490E-01	2.0430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.60	4.0000E-01	2.9430E-01	1.8540E-01	2.4490E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.70	3.8000E-01	2.8430E-01	1.7540E-01	2.5190E-01	1.8930E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.80	3.7000E-01	2.8430E-01	1.7540E-01	2.6290E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.1500E-01
-0.90	3.6000E-01	2.8430E-01	1.7540E-01	2.7990E-01	1.9930E-01	2.2000E-01	2.1000E-01	2.1500E-01
-1.00	3.6000E-01	2.9630E-01	1.7540E-01	3.0490E-01	2.0430E-01	2.2000E-01	2.1000E-01	2.2000E-01

COS / E	8.0000E 05	9.5000E 05	9.8000E 05	1.1000E 06	1.1700E 06	1.2000E 06	1.2500E 06	1.4000E 06
1.00	1.6195E 00	1.7600E 00	1.9247E 00	2.5000E 00	2.2000E 00	1.8398E 00	3.3000E 00	2.0540E 00
0.90	1.2845E 00	1.3200E 00	1.4447E 00	1.6000E 00	1.5400E 00	1.3398E 00	1.8000E 00	1.4040E 00
0.80	9.1950E-01	9.6000E-01	1.0447E 00	9.4000E-01	1.0500E 00	8.1480E-01	9.0000E-01	7.5400E-01
0.70	6.5450E-01	7.4000E-01	7.3470E-01	6.0000E-01	7.5000E-01	4.7980E-01	5.4000E-01	3.7900E-01
0.60	5.0450E-01	5.2000E-01	4.9470E-01	4.0000E-01	5.4000E-01	2.9480E-01	3.4000E-01	2.4400E-01
0.50	4.0450E-01	3.9000E-01	3.9770E-01	3.0000E-01	4.0000E-01	1.8980E-01	2.4000E-01	1.7400E-01
0.40	3.2450E-01	3.0000E-01	3.4170E-01	2.0000E-01	3.0000E-01	1.3980E-01	1.9500E-01	1.5400E-01
0.30	2.6450E-01	2.4000E-01	3.1270E-01	1.7500E-01	2.0000E-01	1.2980E-01	1.5800E-01	1.4400E-01
0.20	2.3450E-01	2.1000E-01	2.9870E-01	1.5300E-01	1.5000E-01	1.3980E-01	1.3500E-01	1.4900E-01
0.10	2.1450E-01	1.9000E-01	2.9370E-01	1.4300E-01	1.3500E-01	1.4980E-01	1.2800E-01	1.6400E-01
0.00	2.0450E-01	1.8000E-01	2.9670E-01	1.5300E-01	1.2500E-01	1.5980E-01	1.3000E-01	1.8400E-01
-0.10	2.0450E-01	1.7500E-01	3.0170E-01	1.6800E-01	1.1500E-01	1.5980E-01	1.4000E-01	1.9400E-01
-0.20	1.9650E-01	1.7000E-01	3.0470E-01	1.7800E-01	1.1500E-01	1.4980E-01	1.4800E-01	1.8400E-01
-0.30	1.8950E-01	1.6500E-01	3.0470E-01	1.8000E-01	1.2000E-01	1.3980E-01	1.5500E-01	1.7400E-01
-0.40	1.7450E-01	1.6000E-01	2.8970E-01	1.7500E-01	1.3000E-01	1.2480E-01	1.6000E-01	1.5900E-01
-0.50	1.5950E-01	1.6000E-01	2.6770E-01	1.7000E-01	1.3300E-01	9.9800E-02	1.6000E-01	1.3400E-01
-0.60	1.3950E-01	1.6000E-01	2.4170E-01	1.6300E-01	1.3500E-01	7.9800E-02	1.5500E-01	1.0400E-01
-0.70	1.3450E-01	1.6000E-01	2.1770E-01	1.5300E-01	1.3500E-01	5.9800E-02	1.4500E-01	7.9000E-02
-0.80	1.3450E-01	1.7000E-01	1.9570E-01	1.4300E-01	1.3300E-01	4.1800E-02	1.3300E-01	6.4000E-02
-0.90	1.3450E-01	1.7000E-01	1.7270E-01	1.3300E-01	1.2800E-01	2.9800E-02	1.1500E-01	5.4000E-02
-1.00	1.4450E-01	1.7000E-01	1.4870E-01	1.2000E-01	1.2500E-01	1.4800E-02	9.5000E-02	5.4000E-02

COS / E	1.6000E 06	1.8000E 06	2.0000E 06	2.2000E 06	2.5000E 06	3.0000E 06	4.0000E 06	4.1000E 06
1.00	2.1203E 00	2.2578E 00	2.9990E 00	2.7923E 00	4.3000E 00	6.5000E 00	7.8000E 00	7.2500E 00
0.90	1.4203E 00	1.5578E 00	1.5390E 00	1.8023E 00	2.1400E 00	2.1500E 00	3.0000E 00	2.1000E 00
0.80	7.4030E-01	8.0780E-01	8.3900E-01	8.2230E-01	8.4000E-01	6.9500E-01	5.5000E-01	6.0000E-01
0.70	3.3030E-01	2.9780E-01	3.3900E-01	2.0730E-01	3.0000E-01	2.1000E-01	1.5000E-01	2.5000E-01
0.60	1.5030E-01	1.2780E-01	1.3900E-01	1.3730E-01	1.4000E-01	8.2000E-02	8.2000E-02	7.3000E-02
0.50	9.0300E-02	1.0280E-01	9.9000E-02	1.2230E-01	8.0000E-02	7.4000E-02	1.2700E-01	8.3000E-02
0.40	8.0300E-02	1.0280E-01	1.1900E-01	1.5730E-01	1.2500E-01	1.0500E-01	1.5300E-01	1.0500E-01
0.30	8.5300E-02	1.1780E-01	1.5200E-01	1.8230E-01	1.8800E-01	1.5600E-01	1.6600E-01	1.3500E-01
0.20	9.8300E-02	1.4780E-01	1.8200E-01	2.0230E-01	2.0800E-01	1.9800E-01	1.7000E-01	1.5300E-01
0.10	1.1530E-01	1.6280E-01	2.0200E-01	2.1230E-01	1.9300E-01	1.8700E-01	1.6200E-01	1.4500E-01
0.00	1.4030E-01	1.7280E-01	2.0900E-01	2.1730E-01	1.5800E-01	1.5000E-01	1.4000E-01	1.2000E-01
-0.10	1.5030E-01	1.7580E-01	1.9900E-01	2.1230E-01	1.2300E-01	1.1100E-01	9.9000E-02	9.5000E-02
-0.20	1.4030E-01	1.6280E-01	1.8400E-01	1.8230E-01	9.5000E-02	8.1000E-02	7.0000E-02	6.8000E-02
-0.30	1.3030E-01	1.4280E-01	1.6200E-01	1.5230E-01	7.3000E-02	6.0000E-02	4.9000E-02	4.5000E-02
-0.40	1.1030E-01	1.1780E-01	1.3700E-01	1.2230E-01	5.8000E-02	4.4000E-02	3.9000E-02	2.8000E-02
-0.50	8.0300E-02	9.2800E-02	1.1200E-01	9.7300E-02	4.8000E-02	3.6000E-02	6.6000E-02	2.0000E-02
-0.60	5.0300E-02	6.7800E-02	8.7000E-02	8.2300E-02	4.5000E-02	3.8000E-02	8.4000E-02	2.3000E-02
-0.70	2.5300E-02	4.7800E-02	6.9000E-02	7.7300E-02	5.8000E-02	4.8000E-02	9.0000E-02	3.5000E-02
-0.80	1.5300E-02	3.7800E-02	5.9000E-02	7.7300E-02	7.5000E-02	6.1000E-02	9.1000E-02	4.8000E-02
-0.90	1.0300E-02	3.2800E-02	6.7000E-02	8.2300E-02	1.0000E-01	7.3000E-02	9.0000E-02	6.3000E-02
-1.00	1.5300E-02	2.7800E-02	9.4000E-02	9.7300E-02	1.3000E-01	8.4000E-02	8.7000E-02	8.0000E-02

COS / E	5.0000E 06	6.0000E 06	7.0000E 06	8.0000E 06	9.0000E 06	1.0000E 07	1.1000E 07	1.2000E 07
1.00	8.6000E 00	1.0200E 01	9.5000E 00	1.2200E 01	1.2000E 01	1.1500E 01	1.3000E 01	1.3500E 01
0.90	2.2730E 00	2.0190E 00	5.0000E-01	1.1250E 00	7.3900E-01	4.2700E-01	1.9400E-01	4.6300E-02
0.80	4.0800E-01	2.7100E-01	1.8000E-01	1.0600E-01	1.5100E-01	2.3600E-01	3.3300E-01	4.3600E-01
0.70	1.6400E-02	5.4000E-03	1.1400E-01	4.2300E-02	9.1600E-02	1.4600E-01	1.9400E-01	2.2700E-01
0.60	2.9300E-02	1.6200E-02	8.5000E-02	1.4000E-03	7.0000E-03	1.9000E-02	3.5900E-02	5.4400E-02
0.50	9.5300E-02	5.1200E-02	7.1000E-02	2.2000E-02	4.3300E-02	6.7800E-02	9.1000E-02	1.1100E-01
0.40	1.3600E-01	8.0700E-02	8.0000E-02	7.5300E-02	1.1700E-01	1.5300E-01	1.7300E-01	1.7700E-01
0.30	1.4100E-01	9.8900E-02	1.3200E-01	1.0800E-01	1.3800E-01	1.5800E-01	1.6200E-01	1.4800E-01
0.20	1.1800E-01	9.8400E-02	1.2500E-01	9.9100E-02	9.7800E-02	9.2600E-02	8.1800E-02	6.5700E-02
0.10	8.2600E-02	7.5900E-02	9.5000E-02	6.8900E-02	5.2400E-02	3.7600E-02	2.6600E-02	1.9100E-02
0.00	4.4300E-02	4.1200E-02	6.6000E-02	3.7400E-02	2.8400E-02	2.2400E-02	2.0300E-02	2.1100E-02
-0.10	1.4600E-02	1.1800E-02	4.4000E-02	1.8400E-02	2.5500E-02	3.3500E-02	4.0000E-02	4.3100E-02
-0.20	1.3000E-03	2.6000E-03	3.3000E-02	1.8300E-02	3.1200E-02	4.2700E-02	4.9600E-02	5.0200E-02
-0.30	6.6000E-03	1.7700E-02	2.9000E-02	3.7400E-02	3.9100E-02	3.8500E-02	3.6300E-02	3.2100E-02
-0.40	2.5100E-02	4.1700E-02	2.9000E-02	5.8800E-02	4.6000E-02	3.1800E-02	2.0800E-02	1.3700E-02
-0.50	4.8000E-02	5.6700E-02	2.9000E-02	6.0000E-02	4.2700E-02	2.6800E-02	1.6800E-02	1.2000E-02
-0.60	6.5100E-02	5.3300E-02	2.2000E-02	3.3000E-02	2.2200E-02	1.6600E-02	2.9400E-02	1.7700E-02
-0.70	6.5100E-02	3.5900E-02	1.4000E-02	4.3000E-03	3.2000E-03	5.6000E-03	1.1800E-02	1.1600E-02
-0.80	3.6100E-02	1.3900E-02	1.2000E-02	1.8000E-02	2.6300E-02	2.5500E-02	1.8900E-02	1.1500E-02
-0.90	0.	2.1000E-03	1.1000E-02	3.0800E-02	3.7000E-02	2.9500E-02	2.2800E-02	1.5100E-02
-1.00	1.5000E-01	2.3000E-01	1.0000E-02	6.8000E-02	1.0500E-01	7.6000E-02	9.8000E-02	1.0500E-01

COS / E	1.3000E 07	1.4000E 07	1.5200E 07
1.00	1.4000E 01	1.4500E 01	1.2000E 01
0.90	2.1000E-02	3.3000E-03	1.8000E-01
0.80	5.3400E-01	6.1600E-01	5.1000E-01
0.70	2.4200E-01	2.3700E-01	2.0000E-01
0.60	7.0000E-02	7.8400E-02	6.2000E-02
0.50	1.2500E-01	1.3000E-01	8.4000E-02
0.40	1.6800E-01	1.5000E-01	8.0000E-02
0.30	1.2400E-01	9.6400E-02	3.6000E-02
0.20	4.8000E-02	3.2600E-02	2.5000E-02
0.10	1.4600E-02	1.2500E-02	2.0000E-02
0.00	2.3000E-02	2.5100E-02	2.2000E-02
-0.10	4.2800E-02	4.0600E-02	2.8000E-02
-0.20	4.5500E-02	3.8400E-02	2.0000E-02
-0.30	2.6300E-02	2.0100E-02	1.0000E-02
-0.40	9.6000E-03	7.5000E-03	1.1000E-02
-0.50	1.0300E-02	1.0300E-02	1.7000E-02
-0.60	1.9000E-02	1.8500E-02	2.2000E-02
-0.70	1.2800E-02	1.2100E-02	1.6000E-02
-0.80	6.3000E-03	3.7000E-03	8.0000E-03
-0.90	1.2100E-02	1.3200E-02	1.3000E-02
-1.00	1.0500E-01	1.2200E-01	1.2000E-01

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR U 238

COS / E	1.0000E 04	5.0000E 04	7.5000E 04	1.0000E 05	1.5700E 05	2.0000E 05	2.5000E 05	3.0000E 05
1.00	1.1300E 00	1.1010E 00	1.4800E 00	1.1278E 00	1.5430E 00	1.2937E 00	1.5500E 00	1.3813E 00
0.90	1.1300E 00	1.0560E 00	1.4250E 00	1.0898E 00	1.4350E 00	1.1837E 00	1.3900E 00	1.2363E 00
0.80	1.1300E 00	1.0260E 00	1.3700E 00	1.0528E 00	1.3390E 00	1.0937E 00	1.2450E 00	1.1113E 00
0.70	1.1300E 00	1.0060E 00	1.3150E 00	1.0178E 00	1.2400E 00	1.0237E 00	1.1300E 00	9.9630E-01
0.60	1.1300E 00	9.9300E-01	1.2570E 00	9.8280E-01	1.1550E 00	9.5370E-01	1.0150E 00	8.9630E-01
0.50	1.1300E 00	9.8600E-01	1.2000E 00	9.5780E-01	1.0800E 00	8.8870E-01	9.3000E-01	8.0130E-01
0.40	1.1300E 00	9.9600E-01	1.1450E 00	9.3780E-01	1.0150E 00	8.2870E-01	8.5500E-01	7.2130E-01
0.30	1.1300E 00	9.9600E-01	1.0960E 00	9.1780E-01	9.5000E-01	7.7370E-01	7.8500E-01	6.6130E-01
0.20	1.1300E 00	9.8600E-01	1.0510E 00	8.9780E-01	8.9900E-01	7.3370E-01	7.2000E-01	6.1130E-01
0.10	1.1300E 00	9.6600E-01	1.0170E 00	8.7480E-01	8.4500E-01	6.9370E-01	6.5500E-01	5.7130E-01
0.00	1.1300E 00	9.3600E-01	9.8000E-01	8.5280E-01	8.0500E-01	6.6170E-01	6.1000E-01	5.3330E-01
-0.10	1.1300E 00	9.1100E-01	9.5000E-01	8.2780E-01	7.6500E-01	6.3370E-01	5.6000E-01	5.0630E-01
-0.20	1.1300E 00	8.9600E-01	9.3000E-01	8.1280E-01	7.2500E-01	6.0870E-01	5.2000E-01	4.7630E-01
-0.30	1.1300E 00	8.9100E-01	9.1000E-01	7.9380E-01	6.9500E-01	5.9370E-01	4.9500E-01	4.4630E-01
-0.40	1.1300E 00	8.8600E-01	8.9900E-01	7.5780E-01	6.6500E-01	5.6870E-01	4.7000E-01	4.1630E-01
-0.50	1.1300E 00	8.8600E-01	8.8800E-01	7.2580E-01	6.5200E-01	5.3370E-01	4.6000E-01	3.9130E-01
-0.60	1.1300E 00	8.9100E-01	8.8000E-01	7.0780E-01	6.3700E-01	4.8370E-01	4.5000E-01	3.7130E-01
-0.70	1.1300E 00	8.9600E-01	8.8500E-01	7.0780E-01	6.2500E-01	4.8370E-01	4.5500E-01	3.6130E-01
-0.80	1.1300E 00	9.0600E-01	8.9000E-01	7.2780E-01	6.1500E-01	4.9870E-01	4.5800E-01	3.6130E-01
-0.90	1.1300E 00	9.1600E-01	8.9800E-01	7.5780E-01	6.0800E-01	5.1370E-01	4.6500E-01	3.6130E-01
-1.00	1.1300E 00	9.3100E-01	9.0500E-01	7.9780E-01	6.0200E-01	5.2870E-01	4.7900E-01	3.6630E-01

COS / E	3.5000E 05	4.0000E 05	5.0000E 05	5.5000E 05	6.0000E 05	6.5000E 05	7.2000E 05	7.7000E 05
1.00	1.4000E 00	1.5143E 00	1.4454E 00	1.5549E 00	1.7043E 00	1.8800E 00	1.6600E 00	1.6000E 00
0.90	1.2600E 00	1.2593E 00	1.2054E 00	1.3109E 00	1.2293E 00	1.5000E 00	1.3400E 00	1.2600E 00
0.80	1.1200E 00	1.0743E 00	1.0254E 00	1.0849E 00	9.6430E-01	1.2000E 00	1.1000E 00	9.6000E-01
0.70	1.0000E 00	9.1930E-01	8.6540E-01	8.8490E-01	7.8430E-01	9.4000E-01	8.8000E-01	7.4000E-01
0.60	8.8000E-01	8.0430E-01	7.0540E-01	7.5090E-01	6.4930E-01	7.6000E-01	6.8000E-01	6.3000E-01
0.50	7.6000E-01	7.0430E-01	6.2540E-01	6.2890E-01	5.3930E-01	6.4000E-01	5.6000E-01	5.4000E-01
0.40	7.2000E-01	6.2430E-01	5.0540E-01	5.1990E-01	4.5430E-01	5.3000E-01	4.5000E-01	4.5000E-01
0.30	6.6000E-01	5.5430E-01	4.2540E-01	4.6990E-01	3.8430E-01	4.4000E-01	3.7000E-01	3.7000E-01
0.20	6.2000E-01	5.0430E-01	3.6540E-01	4.1990E-01	3.3930E-01	3.7000E-01	3.2000E-01	3.2000E-01
0.10	5.8000E-01	4.5930E-01	3.2540E-01	3.7690E-01	3.0430E-01	3.1000E-01	2.9000E-01	2.9000E-01
0.00	5.4000E-01	4.2430E-01	2.8540E-01	3.3990E-01	2.7930E-01	2.8000E-01	2.7000E-01	2.7000E-01
-0.10	5.0000E-01	3.9430E-01	2.5540E-01	3.0790E-01	2.5430E-01	2.6000E-01	2.5000E-01	2.5000E-01
-0.20	4.7000E-01	3.6430E-01	2.3540E-01	2.8090E-01	2.4430E-01	2.4000E-01	2.4000E-01	2.4000E-01
-0.30	4.5000E-01	3.4430E-01	2.1540E-01	2.6190E-01	2.3430E-01	2.4000E-01	2.3000E-01	2.3000E-01
-0.40	4.3000E-01	3.1930E-01	2.0540E-01	2.4990E-01	2.2430E-01	2.3000E-01	2.2000E-01	2.2000E-01
-0.50	4.1000E-01	3.0430E-01	1.9540E-01	2.4490E-01	2.0430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.60	4.0000E-01	2.9430E-01	1.8540E-01	2.4490E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.70	3.8000E-01	2.8430E-01	1.7540E-01	2.5190E-01	1.8930E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.80	3.7000E-01	2.8430E-01	1.7540E-01	2.6290E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.1500E-01
-0.90	3.6000E-01	2.8430E-01	1.7540E-01	2.7990E-01	1.9930E-01	2.2000E-01	2.1000E-01	2.1500E-01
-1.00	3.6000E-01	2.9630E-01	1.7540E-01	3.0490E-01	2.0430E-01	2.2000E-01	2.1000E-01	2.2000E-01

COS / E	8.0000E 05	9.5000E 05	9.8000E 05	1.1000E 06	1.1700E 06	1.2000E 06	1.2500E 06	1.4000E 06
1.00	1.6195E 00	1.7600E 00	1.9247E 00	2.5000E 00	2.2000E 00	1.8398E 00	3.3000E 00	2.0540E 00
0.90	1.2845E 00	1.3200E 00	1.4447E 00	1.6000E 00	1.5400E 00	1.3398E 00	1.8000E 00	1.4040E 00
0.80	9.1950E-01	9.6000E-01	1.0447E 00	9.4000E-01	1.0500E 00	8.1480E-01	9.0000E-01	7.5400E-01
0.70	6.5450E-01	7.4000E-01	7.3470E-01	6.0000E-01	7.5000E-01	4.7980E-01	5.4000E-01	3.7900E-01
0.60	5.0450E-01	5.2000E-01	4.9470E-01	4.0000E-01	5.4000E-01	2.9480E-01	3.4000E-01	2.4400E-01
0.50	4.0450E-01	3.9000E-01	3.9770E-01	3.0000E-01	4.0000E-01	1.8980E-01	2.4000E-01	1.7400E-01
0.40	3.2450E-01	3.0000E-01	3.4170E-01	2.0000E-01	3.0000E-01	1.3980E-01	1.9500E-01	1.5400E-01
0.30	2.6450E-01	2.4000E-01	3.1270E-01	1.7500E-01	2.0000E-01	1.2980E-01	1.5800E-01	1.4400E-01
0.20	2.3450E-01	2.1000E-01	2.9870E-01	1.5300E-01	1.5000E-01	1.3980E-01	1.3500E-01	1.4900E-01
0.10	2.1450E-01	1.9000E-01	2.9370E-01	1.4300E-01	1.3500E-01	1.4980E-01	1.2800E-01	1.6400E-01
0.00	2.0450E-01	1.8000E-01	2.9670E-01	1.5300E-01	1.2500E-01	1.5980E-01	1.3000E-01	1.8400E-01
-0.10	2.0450E-01	1.7500E-01	3.0170E-01	1.6800E-01	1.1500E-01	1.5980E-01	1.4000E-01	1.9400E-01
-0.20	1.9650E-01	1.7000E-01	3.0470E-01	1.7800E-01	1.1500E-01	1.4980E-01	1.4800E-01	1.8400E-01
-0.30	1.8950E-01	1.6500E-01	3.0470E-01	1.8000E-01	1.2000E-01	1.3980E-01	1.5500E-01	1.7400E-01
-0.40	1.7450E-01	1.6000E-01	2.8970E-01	1.7500E-01	1.3000E-01	1.2480E-01	1.6000E-01	1.5900E-01
-0.50	1.5950E-01	1.6000E-01	2.6770E-01	1.7000E-01	1.3300E-01	9.9800E-02	1.6000E-01	1.3400E-01
-0.60	1.3950E-01	1.6000E-01	2.4170E-01	1.6300E-01	1.3500E-01	7.9800E-02	1.5500E-01	1.0400E-01
-0.70	1.3450E-01	1.6000E-01	2.1770E-01	1.5300E-01	1.3500E-01	5.9800E-02	1.4500E-01	7.9000E-02
-0.80	1.3450E-01	1.7000E-01	1.9570E-01	1.4300E-01	1.3300E-01	4.1800E-02	1.3300E-01	6.4000E-02
-0.90	1.3450E-01	1.7000E-01	1.7270E-01	1.3300E-01	1.2800E-01	2.9800E-02	1.1500E-01	5.4000E-02
-1.00	1.4450E-01	1.7000E-01	1.4870E-01	1.2000E-01	1.2500E-01	1.4800E-02	9.5000E-02	5.4000E-02

COS / E	1.6000E 06	1.8000E 06	2.0000E 06	2.2000E 06	2.5000E 06	3.0000E 06	4.0000E 06	4.1000E 06
1.00	2.1203E 00	2.2578E 00	2.9990E 00	2.7923E 00	4.3000E 00	6.5000E 00	7.8000E 00	7.2500E 00
0.90	1.4203E 00	1.5578E 00	1.5390E 00	1.8023E 00	2.1400E 00	2.1500E 00	3.0000E 00	2.1000E 00
0.80	7.4030E-01	8.0780E-01	8.3900E-01	8.2230E-01	8.4000E-01	6.9500E-01	5.5000E-01	6.0000E-01
0.70	3.3030E-01	2.9780E-01	3.3900E-01	2.0730E-01	3.0000E-01	2.1000E-01	1.5000E-01	2.5000E-01
0.60	1.5030E-01	1.2780E-01	1.3900E-01	1.3730E-01	1.4000E-01	8.2000E-02	8.2000E-02	7.3000E-02
0.50	9.0300E-02	1.0280E-01	9.9000E-02	1.2230E-01	8.0000E-02	7.4000E-02	1.2700E-01	8.3000E-02
0.40	8.0300E-02	1.0280E-01	1.1900E-01	1.5730E-01	1.2500E-01	1.0500E-01	1.5300E-01	1.0500E-01
0.30	8.5300E-02	1.1780E-01	1.5200E-01	1.8230E-01	1.8800E-01	1.5600E-01	1.6600E-01	1.3500E-01
0.20	9.8300E-02	1.4780E-01	1.8200E-01	2.0230E-01	2.0800E-01	1.9800E-01	1.7000E-01	1.5300E-01
0.10	1.1530E-01	1.6280E-01	2.0200E-01	2.1230E-01	1.9300E-01	1.8700E-01	1.6200E-01	1.4500E-01
0.00	1.4030E-01	1.7280E-01	2.0900E-01	2.1730E-01	1.5800E-01	1.5000E-01	1.4000E-01	1.2000E-01
-0.10	1.5030E-01	1.7580E-01	1.9900E-01	2.1230E-01	1.2300E-01	1.1100E-01	9.9000E-02	9.5000E-02
-0.20	1.4030E-01	1.6280E-01	1.8400E-01	1.8230E-01	9.5000E-02	8.1000E-02	7.0000E-02	6.8000E-02
-0.30	1.3030E-01	1.4280E-01	1.6200E-01	1.5230E-01	7.3000E-02	6.0000E-02	4.9000E-02	4.5000E-02
-0.40	1.1030E-01	1.1780E-01	1.3700E-01	1.2230E-01	5.8000E-02	4.4000E-02	3.9000E-02	2.8000E-02
-0.50	8.0300E-02	9.2800E-02	1.1200E-01	9.7300E-02	4.8000E-02	3.6000E-02	6.6000E-02	2.0000E-02
-0.60	5.0300E-02	6.7800E-02	8.7000E-02	8.2300E-02	4.5000E-02	3.8000E-02	8.4000E-02	2.3000E-02
-0.70	2.5300E-02	4.7800E-02	6.9000E-02	7.7300E-02	5.8000E-02	4.8000E-02	9.0000E-02	3.5000E-02
-0.80	1.5300E-02	3.7800E-02	5.9000E-02	7.7300E-02	7.5000E-02	6.1000E-02	9.1000E-02	4.8000E-02
-0.90	1.0300E-02	3.2800E-02	6.7000E-02	8.2300E-02	1.0000E-01	7.3000E-02	9.0000E-02	6.3000E-02
-1.00	1.5300E-02	2.7800E-02	9.4000E-02	9.7300E-02	1.3000E-01	8.4000E-02	8.7000E-02	8.0000E-02

COS / E	5.0000E 06	6.0000E 06	7.0000E 06	8.0000E 06	9.0000E 06	1.0000E 07	1.1000E 07	1.2000E 07
1.00	8.6000E 00	1.0200E 01	9.5000E 00	1.2200E 01	1.2000E 01	1.1500E 01	1.3000E 01	1.3500E 01
0.90	2.2730E 00	2.0190E 00	5.0000E-01	1.1250E 00	7.3900E-01	4.2700E-01	1.9400E-01	4.6300E-02
0.80	4.0800E-01	2.7100E-01	1.8000E-01	1.0600E-01	1.5100E-01	2.3600E-01	3.3300E-01	4.3600E-01
0.70	1.6400E-02	5.4000E-03	1.1400E-01	4.2300E-02	9.1600E-02	1.4600E-01	1.9400E-01	2.2700E-01
0.60	2.9300E-02	1.6200E-02	8.5000E-02	1.4000E-03	7.0000E-03	1.9000E-02	3.5900E-02	5.4400E-02
0.50	9.5300E-02	5.1200E-02	7.1000E-02	2.2000E-02	4.3300E-02	6.7800E-02	9.1000E-02	1.1100E-01
0.40	1.3600E-01	8.0700E-02	8.0000E-02	7.5300E-02	1.1700E-01	1.5300E-01	1.7300E-01	1.7700E-01
0.30	1.4100E-01	9.8900E-02	1.3200E-01	1.0800E-01	1.3800E-01	1.5800E-01	1.6200E-01	1.4800E-01
0.20	1.1800E-01	9.8400E-02	1.2500E-01	9.9100E-02	9.7800E-02	9.2600E-02	8.1800E-02	6.5700E-02
0.10	8.2600E-02	7.5900E-02	9.5000E-02	6.8900E-02	5.2400E-02	3.7600E-02	2.6600E-02	1.9100E-02
0.00	4.4300E-02	4.1200E-02	6.6000E-02	3.7400E-02	2.8400E-02	2.2400E-02	2.0300E-02	2.1100E-02
-0.10	1.4600E-02	1.1800E-02	4.4000E-02	1.8400E-02	2.5500E-02	3.3500E-02	4.0000E-02	4.3100E-02
-0.20	1.3000E-03	2.6000E-03	3.3000E-02	1.8300E-02	3.1200E-02	4.2700E-02	4.9600E-02	5.0200E-02
-0.30	6.6000E-03	1.7700E-02	2.9000E-02	3.7400E-02	3.9100E-02	3.8500E-02	3.6300E-02	3.2100E-02
-0.40	2.5100E-02	4.1700E-02	2.9000E-02	5.8800E-02	4.6000E-02	3.1800E-02	2.0800E-02	1.3700E-02
-0.50	4.8000E-02	5.6700E-02	2.9000E-02	6.0000E-02	4.2700E-02	2.6800E-02	1.6800E-02	1.2000E-02
-0.60	6.5100E-02	5.3300E-02	2.2000E-02	3.3000E-02	2.2200E-02	1.6600E-02	2.9400E-02	1.7700E-02
-0.70	6.5100E-02	3.5900E-02	1.4000E-02	4.3000E-03	3.2000E-03	5.6000E-03	1.1800E-02	1.1600E-02
-0.80	3.6100E-02	1.3900E-02	1.2000E-02	1.8000E-02	2.6300E-02	2.5500E-02	1.8900E-02	1.1500E-02
-0.90	0.	2.1000E-03	1.1000E-02	3.0800E-02	3.7000E-02	2.9500E-02	2.2800E-02	1.5100E-02
-1.00	1.5000E-01	2.3000E-01	1.0000E-02	6.8000E-02	1.0500E-01	7.6000E-02	9.8000E-02	1.0500E-01

COS / E	1.3000E 07	1.4000E 07	1.5200E 07
1.00	1.4000E 01	1.4500E 01	1.2000E 01
0.90	2.1000E-02	3.3000E-03	1.8000E-01
0.80	5.3400E-01	6.1600E-01	5.1000E-01
0.70	2.4200E-01	2.3700E-01	2.0000E-01
0.60	7.0000E-02	7.8400E-02	6.2000E-02
0.50	1.2500E-01	1.3000E-01	8.4000E-02
0.40	1.6800E-01	1.5000E-01	8.0000E-02
0.30	1.2400E-01	9.6400E-02	3.6000E-02
0.20	4.8000E-02	3.2600E-02	2.5000E-02
0.10	1.4600E-02	1.2500E-02	2.0000E-02
0.00	2.3000E-02	2.5100E-02	2.2000E-02
-0.10	4.2800E-02	4.0600E-02	2.8000E-02
-0.20	4.5500E-02	3.8400E-02	2.0000E-02
-0.30	2.6300E-02	2.0100E-02	1.0000E-02
-0.40	9.6000E-03	7.5000E-03	1.1000E-02
-0.50	1.0300E-02	1.0300E-02	1.7000E-02
-0.60	1.9000E-02	1.8500E-02	2.2000E-02
-0.70	1.2800E-02	1.2100E-02	1.6000E-02
-0.80	6.3000E-03	3.7000E-03	8.0000E-03
-0.90	1.2100E-02	1.3200E-02	1.3000E-02
-1.00	1.0500E-01	1.2200E-01	1.2000E-01

ELASTIC SCATTERING ANGULAR DISTRIBUTIONS FOR PU239

COS / E	1.0000E 04	5.0000E 04	7.5000E 04	1.0000E 05	1.5700E 05	2.0000E 05	2.5000E 05	3.0000E 05
1.00	1.1300E 00	1.1010E 00	1.4800E 00	1.1278E 00	1.5430E 00	1.2937E 00	1.5500E 00	1.3813E 00
0.90	1.1300E 00	1.0560E 00	1.4250E 00	1.0898E 00	1.4350E 00	1.1837E 00	1.3900E 00	1.2363E 00
0.80	1.1300E 00	1.0260E 00	1.3700E 00	1.0528E 00	1.3390E 00	1.0937E 00	1.2450E 00	1.1113E 00
0.70	1.1300E 00	1.0060E 00	1.3150E 00	1.0178E 00	1.2400E 00	1.0237E 00	1.1300E 00	9.9630E-01
0.60	1.1300E 00	9.9300E-01	1.2570E 00	9.8280E-01	1.1550E 00	9.5370E-01	1.0150E 00	8.9630E-01
0.50	1.1300E 00	9.8600E-01	1.2000E 00	9.5780E-01	1.0800E 00	8.8870E-01	9.3000E-01	8.0130E-01
0.40	1.1300E 00	9.9600E-01	1.1450E 00	9.3780E-01	1.0150E 00	8.2870E-01	8.5500E-01	7.2130E-01
0.30	1.1300E 00	9.9600E-01	1.0960E 00	9.1780E-01	9.5000E-01	7.7370E-01	7.8500E-01	6.6130E-01
0.20	1.1300E 00	9.8600E-01	1.0510E 00	8.9780E-01	8.9900E-01	7.3370E-01	7.2000E-01	6.1130E-01
0.10	1.1300E 00	9.6600E-01	1.0170E 00	8.7480E-01	8.4500E-01	6.9370E-01	6.5500E-01	5.7130E-01
0.00	1.1300E 00	9.3600E-01	9.8000E-01	8.5280E-01	8.0500E-01	6.6170E-01	6.1000E-01	5.3330E-01
-0.10	1.1300E 00	9.1100E-01	9.5000E-01	8.2780E-01	7.6500E-01	6.3370E-01	5.6000E-01	5.0630E-01
-0.20	1.1300E 00	8.9600E-01	9.3000E-01	8.1280E-01	7.2500E-01	6.0870E-01	5.2000E-01	4.7630E-01
-0.30	1.1300E 00	8.9100E-01	9.1000E-01	7.9380E-01	6.9500E-01	5.9370E-01	4.9500E-01	4.4630E-01
-0.40	1.1300E 00	8.8600E-01	8.9900E-01	7.5780E-01	6.6500E-01	5.6870E-01	4.7000E-01	4.1630E-01
-0.50	1.1300E 00	8.8600E-01	8.8800E-01	7.2580E-01	6.5200E-01	5.3370E-01	4.6000E-01	3.9130E-01
-0.60	1.1300E 00	8.9100E-01	8.8000E-01	7.0780E-01	6.3700E-01	4.8370E-01	4.5000E-01	3.7130E-01
-0.70	1.1300E 00	8.9600E-01	8.8500E-01	7.0780E-01	6.2500E-01	4.8370E-01	4.5500E-01	3.6130E-01
-0.80	1.1300E 00	9.0600E-01	8.9000E-01	7.2780E-01	6.1500E-01	4.9870E-01	4.5800E-01	3.6130E-01
-0.90	1.1300E 00	9.1600E-01	8.9800E-01	7.5780E-01	6.0800E-01	5.1370E-01	4.6500E-01	3.6130E-01
-1.00	1.1300E 00	9.3100E-01	9.0500E-01	7.9780E-01	6.0200E-01	5.2870E-01	4.7900E-01	3.6630E-01

COS / E	3.5000E 05	4.0000E 05	5.0000E 05	5.5000E 05	6.0000E 05	6.5000E 05	7.2000E 05	7.7000E 05
1.00	1.4000E 00	1.5143E 00	1.4454E 00	1.5549E 00	1.7043E 00	1.8800E 00	1.6600E 00	1.6000E 00
0.90	1.2600E 00	1.2593E 00	1.2054E 00	1.3109E 00	1.2293E 00	1.5000E 00	1.3400E 00	1.2600E 00
0.80	1.1200E 00	1.0743E 00	1.0254E 00	1.0849E 00	9.6430E-01	1.2000E 00	1.1000E 00	9.6000E-01
0.70	1.0000E 00	9.1930E-01	8.6540E-01	8.8490E-01	7.8430E-01	9.4000E-01	8.8000E-01	7.4000E-01
0.60	8.8000E-01	8.0430E-01	7.0540E-01	7.5090E-01	6.4930E-01	7.6000E-01	6.8000E-01	6.3000E-01
0.50	7.6000E-01	7.0430E-01	6.2540E-01	6.2890E-01	5.3930E-01	6.4000E-01	5.6000E-01	5.4000E-01
0.40	7.2000E-01	6.2430E-01	5.0540E-01	5.1990E-01	4.5430E-01	5.3000E-01	4.5000E-01	4.5000E-01
0.30	6.6000E-01	5.5430E-01	4.2540E-01	4.6990E-01	3.8430E-01	4.4000E-01	3.7000E-01	3.7000E-01
0.20	6.2000E-01	5.0430E-01	3.6540E-01	4.1990E-01	3.3930E-01	3.7000E-01	3.2000E-01	3.2000E-01
0.10	5.8000E-01	4.5930E-01	3.2540E-01	3.7690E-01	3.0430E-01	3.1000E-01	2.9000E-01	2.9000E-01
0.00	5.4000E-01	4.2430E-01	2.8540E-01	3.3990E-01	2.7930E-01	2.8000E-01	2.7000E-01	2.7000E-01
-0.10	5.0000E-01	3.9430E-01	2.5540E-01	3.0790E-01	2.5430E-01	2.6000E-01	2.5000E-01	2.5000E-01
-0.20	4.7000E-01	3.6430E-01	2.3540E-01	2.8090E-01	2.4430E-01	2.4000E-01	2.4000E-01	2.4000E-01
-0.30	4.5000E-01	3.4430E-01	2.1540E-01	2.6190E-01	2.3430E-01	2.4000E-01	2.3000E-01	2.3000E-01
-0.40	4.3000E-01	3.1930E-01	2.0540E-01	2.4990E-01	2.2430E-01	2.3000E-01	2.2000E-01	2.2000E-01
-0.50	4.1000E-01	3.0430E-01	1.9540E-01	2.4490E-01	2.0430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.60	4.0000E-01	2.9430E-01	1.8540E-01	2.4490E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.70	3.8000E-01	2.8430E-01	1.7540E-01	2.5190E-01	1.8930E-01	2.2000E-01	2.2000E-01	2.2000E-01
-0.80	3.7000E-01	2.8430E-01	1.7540E-01	2.6290E-01	1.9430E-01	2.2000E-01	2.2000E-01	2.1500E-01
-0.90	3.6000E-01	2.8430E-01	1.7540E-01	2.7990E-01	1.9930E-01	2.2000E-01	2.1000E-01	2.1500E-01
-1.00	3.6000E-01	2.9630E-01	1.7540E-01	3.0490E-01	2.0430E-01	2.2000E-01	2.1000E-01	2.2000E-01

COS / E	8.0000E 05	9.5000E 05	9.8000E 05	1.1000E 06	1.1700E 06	1.2000E 06	1.2500E 06	1.4000E 06
1.00	1.6195E 00	1.7600E 00	1.9247E 00	2.5000E 00	2.2000E 00	1.8398E 00	3.3000E 00	2.0540E 00
0.90	1.2845E 00	1.3200E 00	1.4447E 00	1.6000E 00	1.5400E 00	1.3398E 00	1.8000E 00	1.4040E 00
0.80	9.1950E-01	9.6000E-01	1.0447E 00	9.4000E-01	1.0500E 00	8.1480E-01	9.0000E-01	7.5400E-01
0.70	6.5450E-01	7.4000E-01	7.3470E-01	6.0000E-01	7.5000E-01	4.7980E-01	5.4000E-01	3.7900E-01
0.60	5.0450E-01	5.2000E-01	4.9470E-01	4.0000E-01	5.4000E-01	2.9480E-01	3.4000E-01	2.4400E-01
0.50	4.0450E-01	3.9000E-01	3.9770E-01	3.0000E-01	4.0000E-01	1.8980E-01	2.4000E-01	1.7400E-01
0.40	3.2450E-01	3.0000E-01	3.4170E-01	2.0000E-01	3.0000E-01	1.3980E-01	1.9500E-01	1.5400E-01
0.30	2.6450E-01	2.4000E-01	3.1270E-01	1.7500E-01	2.0000E-01	1.2980E-01	1.5800E-01	1.4400E-01
0.20	2.3450E-01	2.1000E-01	2.9870E-01	1.5300E-01	1.5000E-01	1.3980E-01	1.3500E-01	1.4900E-01
0.10	2.1450E-01	1.9000E-01	2.9370E-01	1.4300E-01	1.3500E-01	1.4980E-01	1.2800E-01	1.6400E-01
0.00	2.0450E-01	1.8000E-01	2.9670E-01	1.5300E-01	1.2500E-01	1.5980E-01	1.3000E-01	1.8400E-01
-0.10	2.0450E-01	1.7500E-01	3.0170E-01	1.6800E-01	1.1500E-01	1.5980E-01	1.4000E-01	1.9400E-01
-0.20	1.9650E-01	1.7000E-01	3.0470E-01	1.7800E-01	1.1500E-01	1.4980E-01	1.4800E-01	1.8400E-01
-0.30	1.8950E-01	1.6500E-01	3.0470E-01	1.8000E-01	1.2000E-01	1.3980E-01	1.5500E-01	1.7400E-01
-0.40	1.7450E-01	1.6000E-01	2.8970E-01	1.7500E-01	1.3000E-01	1.2480E-01	1.6000E-01	1.5900E-01
-0.50	1.5950E-01	1.6000E-01	2.6770E-01	1.7000E-01	1.3300E-01	9.9800E-02	1.6000E-01	1.3400E-01
-0.60	1.3950E-01	1.6000E-01	2.4170E-01	1.6300E-01	1.3500E-01	7.9800E-02	1.5500E-01	1.0400E-01
-0.70	1.3450E-01	1.6000E-01	2.1770E-01	1.5300E-01	1.3500E-01	5.9800E-02	1.4500E-01	7.9000E-02
-0.80	1.3450E-01	1.7000E-01	1.9570E-01	1.4300E-01	1.3300E-01	4.1800E-02	1.3300E-01	6.4000E-02
-0.90	1.3450E-01	1.7000E-01	1.7270E-01	1.3300E-01	1.2800E-01	2.9800E-02	1.1500E-01	5.4000E-02
-1.00	1.4450E-01	1.7000E-01	1.4870E-01	1.2000E-01	1.2500E-01	1.4800E-02	9.5000E-02	5.4000E-02

COS / E	1.6000E 06	1.8000E 06	2.0000E 06	2.2000E 06	2.5000E 06	3.0000E 06	4.0000E 06	4.1000E 06
1.00	2.1203E 00	2.2578E 00	2.9990E 00	2.7923E 00	4.3000E 00	6.5000E 00	7.8000E 00	7.2500E 00
0.90	1.4203E 00	1.5578E 00	1.5390E 00	1.8023E 00	2.1400E 00	2.1500E 00	3.0000E 00	2.1000E 00
0.80	7.4030E-01	8.0780E-01	8.3900E-01	8.2230E-01	8.4000E-01	6.9500E-01	5.5000E-01	6.0000E-01
0.70	3.3030E-01	2.9780E-01	3.3900E-01	2.0730E-01	3.0000E-01	2.1000E-01	1.5000E-01	2.5000E-01
0.60	1.5030E-01	1.2780E-01	1.3900E-01	1.3730E-01	1.4000E-01	8.2000E-02	8.2000E-02	7.3000E-02
0.50	9.0300E-02	1.0280E-01	9.9000E-02	1.2230E-01	8.0000E-02	7.4000E-02	1.2700E-01	8.3000E-02
0.40	8.0300E-02	1.0280E-01	1.1900E-01	1.5730E-01	1.2500E-01	1.0500E-01	1.5300E-01	1.0500E-01
0.30	8.5300E-02	1.1780E-01	1.5200E-01	1.8230E-01	1.8800E-01	1.5600E-01	1.6600E-01	1.3500E-01
0.20	9.8300E-02	1.4780E-01	1.8200E-01	2.0230E-01	2.0800E-01	1.9800E-01	1.7000E-01	1.5300E-01
0.10	1.1530E-01	1.6280E-01	2.0200E-01	2.1230E-01	1.9300E-01	1.8700E-01	1.6200E-01	1.4500E-01
0.00	1.4030E-01	1.7280E-01	2.0900E-01	2.1730E-01	1.5800E-01	1.5000E-01	1.4000E-01	1.2000E-01
-0.10	1.5030E-01	1.7580E-01	1.9900E-01	2.1230E-01	1.2300E-01	1.1100E-01	9.9000E-02	9.5000E-02
-0.20	1.4030E-01	1.6280E-01	1.8400E-01	1.8230E-01	9.5000E-02	8.1000E-02	7.0000E-02	6.8000E-02
-0.30	1.3030E-01	1.4280E-01	1.6200E-01	1.5230E-01	7.3000E-02	6.0000E-02	4.9000E-02	4.5000E-02
-0.40	1.1030E-01	1.1780E-01	1.3700E-01	1.2230E-01	5.8000E-02	4.4000E-02	3.9000E-02	2.8000E-02
-0.50	8.0300E-02	9.2800E-02	1.1200E-01	9.7300E-02	4.8000E-02	3.6000E-02	6.6000E-02	2.0000E-02
-0.60	5.0300E-02	6.7800E-02	8.7000E-02	8.2300E-02	4.5000E-02	3.8000E-02	8.4000E-02	2.3000E-02
-0.70	2.5300E-02	4.7800E-02	6.9000E-02	7.7300E-02	5.8000E-02	4.8000E-02	9.0000E-02	3.5000E-02
-0.80	1.5300E-02	3.7800E-02	5.9000E-02	7.7300E-02	7.5000E-02	6.1000E-02	9.1000E-02	4.8000E-02
-0.90	1.0300E-02	3.2800E-02	6.7000E-02	8.2300E-02	1.0000E-01	7.3000E-02	9.0000E-02	6.3000E-02
-1.00	1.5300E-02	2.7800E-02	9.4000E-02	9.7300E-02	1.3000E-01	8.4000E-02	8.7000E-02	8.0000E-02

COS / E	5.0000E 06	6.0000E 06	7.0000E 06	8.0000E 06	9.0000E 06	1.0000E 07	1.1000E 07	1.2000E 07
1.00	8.6000E 00	1.0200E 01	9.5000E 00	1.2200E 01	1.2000E 01	1.1500E 01	1.3000E 01	1.3500E 01
0.90	2.2730E 00	2.0190E 00	5.0000E-01	1.1250E 00	7.3900E-01	4.2700E-01	1.9400E-01	4.6300E-02
0.80	4.0800E-01	2.7100E-01	1.8000E-01	1.0600E-01	1.5100E-01	2.3600E-01	3.3300E-01	4.3600E-01
0.70	1.6400E-02	5.4000E-03	1.1400E-01	4.2300E-02	9.1600E-02	1.4600E-01	1.9400E-01	2.2700E-01
0.60	2.9300E-02	1.6200E-02	8.5000E-02	1.4000E-03	7.0000E-03	1.9000E-02	3.5900E-02	5.4400E-02
0.50	9.5300E-02	5.1200E-02	7.1000E-02	2.2000E-02	4.3300E-02	6.7800E-02	9.1000E-02	1.1100E-01
0.40	1.3600E-01	8.0700E-02	8.0000E-02	7.5300E-02	1.1700E-01	1.5300E-01	1.7300E-01	1.7700E-01
0.30	1.4100E-01	9.8900E-02	1.3200E-01	1.0800E-01	1.3800E-01	1.5800E-01	1.6200E-01	1.4800E-01
0.20	1.1800E-01	9.8400E-02	1.2500E-01	9.9100E-02	9.7800E-02	9.2600E-02	8.1800E-02	6.5700E-02
0.10	8.2600E-02	7.5900E-02	9.5000E-02	6.8900E-02	5.2400E-02	3.7600E-02	2.6600E-02	1.9100E-02
0.00	4.4300E-02	4.1200E-02	6.6000E-02	3.7400E-02	2.8400E-02	2.2400E-02	2.0300E-02	2.1100E-02
-0.10	1.4600E-02	1.1800E-02	4.4000E-02	1.8400E-02	2.5500E-02	3.3500E-02	4.0000E-02	4.3100E-02
-0.20	1.3000E-03	2.6000E-03	3.3000E-02	1.8300E-02	3.1200E-02	4.2700E-02	4.9600E-02	5.0200E-02
-0.30	6.6000E-03	1.7700E-02	2.9000E-02	3.7400E-02	3.9100E-02	3.8500E-02	3.6300E-02	3.2100E-02
-0.40	2.5100E-02	4.1700E-02	2.9000E-02	5.8800E-02	4.6000E-02	3.1800E-02	2.0800E-02	1.3700E-02
-0.50	4.8000E-02	5.6700E-02	2.9000E-02	6.0000E-02	4.2700E-02	2.6800E-02	1.6800E-02	1.2000E-02
-0.60	6.5100E-02	5.3300E-02	2.2000E-02	3.3000E-02	2.2200E-02	1.6600E-02	2.9400E-02	1.7700E-02
-0.70	6.5100E-02	3.5900E-02	1.4000E-02	4.3000E-03	3.2000E-03	5.6000E-03	1.1800E-02	1.1600E-02
-0.80	3.6100E-02	1.3900E-02	1.2000E-02	1.8000E-02	2.6300E-02	2.5500E-02	1.8900E-02	1.1500E-02
-0.90	0.	2.1000E-03	1.1000E-02	3.0800E-02	3.7000E-02	2.9500E-02	2.2800E-02	1.5100E-02
-1.00	1.5000E-01	2.3000E-01	1.0000E-02	6.8000E-02	1.0500E-01	7.6000E-02	9.8000E-02	1.0500E-01

COS / E	1.3000E 07	1.4000E 07	1.5200E 07
1.00	1.4000E 01	1.4500E 01	1.2000E 01
0.90	2.1000E-02	3.3000E-03	1.8000E-01
0.80	5.3400E-01	6.1600E-01	5.1000E-01
0.70	2.4200E-01	2.3700E-01	2.0000E-01
0.60	7.0000E-02	7.8400E-02	6.2000E-02
0.50	1.2500E-01	1.3000E-01	8.4000E-02
0.40	1.6800E-01	1.5000E-01	8.0000E-02
0.30	1.2400E-01	9.6400E-02	3.6000E-02
0.20	4.8000E-02	3.2600E-02	2.5000E-02
0.10	1.4600E-02	1.2500E-02	2.0000E-02
0.00	2.3000E-02	2.5100E-02	2.2000E-02
-0.10	4.2800E-02	4.0600E-02	2.8000E-02
-0.20	4.5500E-02	3.8400E-02	2.0000E-02
-0.30	2.6300E-02	2.0100E-02	1.0000E-02
-0.40	9.6000E-03	7.5000E-03	1.1000E-02
-0.50	1.0300E-02	1.0300E-02	1.7000E-02
-0.60	1.9000E-02	1.8500E-02	2.2000E-02
-0.70	1.2800E-02	1.2100E-02	1.6000E-02
-0.80	6.3000E-03	3.7000E-03	8.0000E-03
-0.90	1.2100E-02	1.3200E-02	1.3000E-02
-1.00	1.0500E-01	1.2200E-01	1.2000E-01