



Erratum

Erratum to: Measurements of π^\pm , K^\pm , p and \bar{p} spectra in ${}^7\text{Be} + {}^9\text{Be}$ collisions at beam momenta from 19A to 150A GeV/c with the NA61/SHINE spectrometer at the CERN SPS

NA61/SHINE Collaboration

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This Erratum replaces plots shown in Figs. 29, 30, 33 and 37, with the ones having corrected values. The corresponding entries in HEPData were also corrected. The arXiv and CERN CDS preprints were replaced by the corrected versions.

In Fig. 29 of the publication, the systematic uncertainty of the inverse slope parameter for negatively charged kaons was plotted using incorrect values, different ones than those given in Table 3. The plot with correct values is presented in Fig. 1.

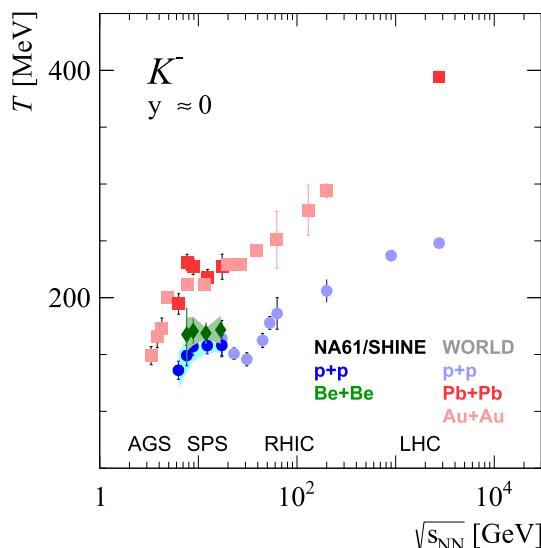


Fig. 1 The energy dependence of the inverse slope parameter of p_T spectra at mid-rapidity of negatively charged K mesons for *central* Be+Be, Pb+Pb and Au+Au collisions as well as inelastic p+p interactions. Both statistical (vertical bars) and systematic uncertainties (shaded bands) are shown

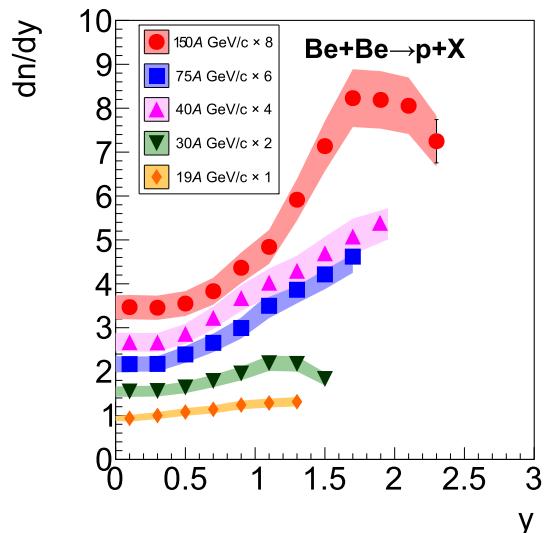


Fig. 2 Rapidity spectra of protons produced in the 20% most *central* Be+Be collisions. Curves depict Gaussian fits used to determine mean multiplicities. The following factors scaled spectra for different beam momenta for better visibility: 150A GeV/c by factor 8, 75A GeV/c by factor 6, 40A GeV/c by factor 4 and 30A GeV/c by factor 2

In Fig. 30 of the publication, the scaling factor for the rapidity spectrum of protons at 19A GeV/c given in the plot's legend was four. The correct factor is one. A plot with the corrected legend is presented in the Fig. 2.

In Figs. 33 and 37 of the publication, the values and uncertainties of the K/π ratio at mid-rapidity for positively and negatively charged particles in Be+Be collisions were plotted using incorrect values. Depending on the collision energy and particle charge, updated K/π values differ from the published ones by about 1–7%, while uncertainties up to a factor of 4. The correct plots are presented in Fig. 3, where the top plot replaces Fig. 33 (*left*) and the bottom plots replace Fig. 37.

The corrections included in the Erratum do not change the paper's conclusions.

The original article can be found online at <https://doi.org/10.1140/epjc/s10052-020-08733-x>.

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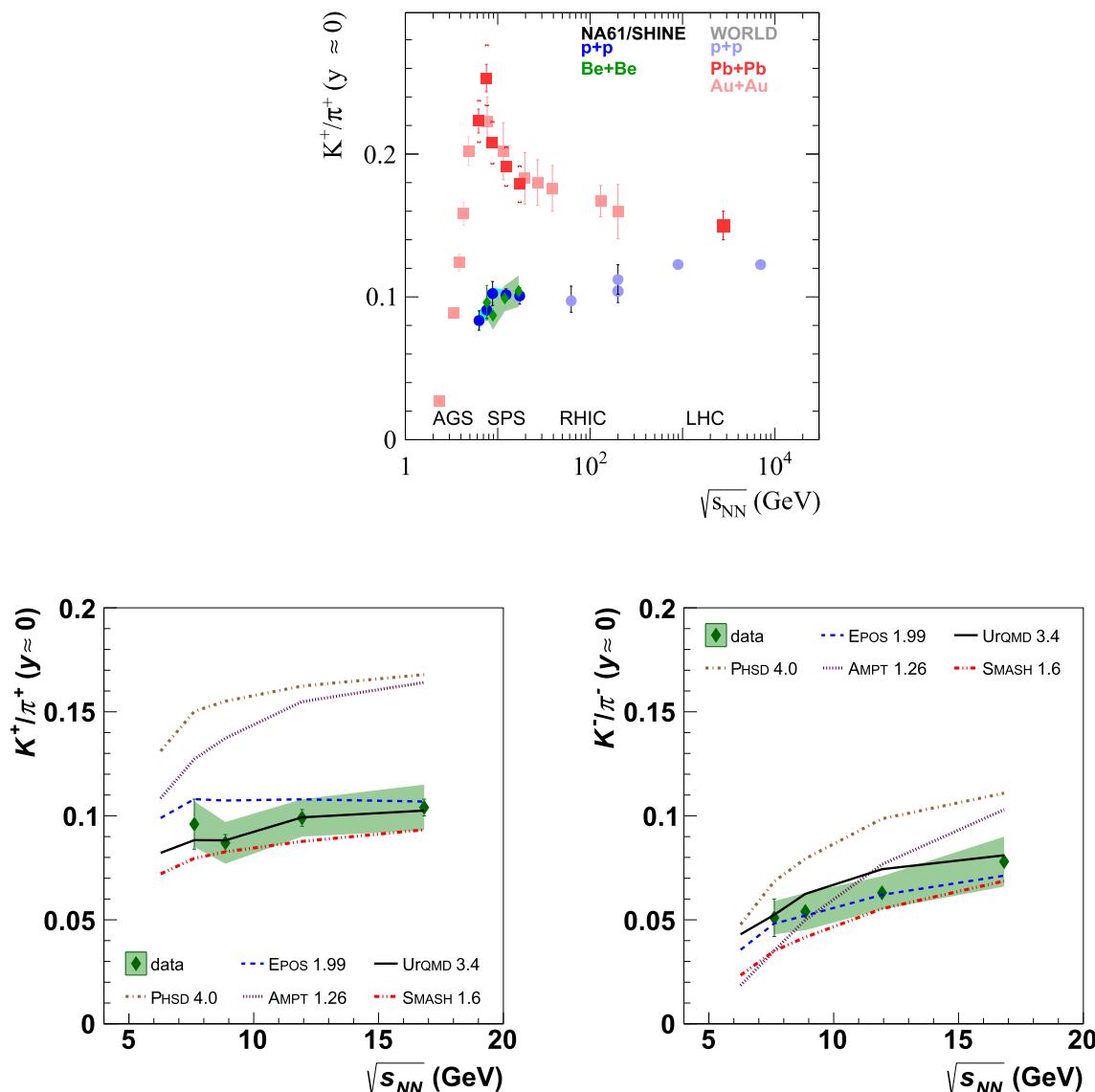


Fig. 3 *Top:* The energy dependence of the K^+/π^+ particle yields ratio at mid-rapidity for the 20% most central Be+Be, central Pb+Pb and Au+Au collisions, as well as inelastic p+p interactions. Both statistical (vertical bars) and systematic uncertainties (shaded bands) are shown. *Bottom:* Comparison of the energy dependence of K^+/π^+ (*left*) and

K^-/π^- (*right*) yields ratio at mid-rapidity for the 20% most central Be+Be collisions with models: EPOS 1.99 (blue dashed line), UrQMD 3.4 (black solid line), AMPT 1.26 (violet dotted line), PHSD 4.0 (brown dashed-dotted line) and SMASH 1.6 (red dashed-double dotted line)

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