

Erratum: NNLO subtraction for any massless final state: a complete analytic expression

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1. In the last line of eq. (4.20) the mapping (krj, ijr) should be replaced by (krj, irj) .
2. At the end of the sentence preceding eq. (4.30), $(r = r_{ijk})$ should be added. Eq. (4.30) should then be replaced by

$$\int d\Phi_{n+2} \overline{\mathbf{HC}}_{ij} \overline{\mathbf{HC}}_{ijk}^{(c)} RR = \mathcal{N}_1 \frac{\mathcal{S}_{n+2}}{\mathcal{S}_{n+1}} \left\{ \int d\Phi_{n+1}^{(ijr)} J_{\text{hc}}^{ijr} \frac{\bar{P}_{jk(r)}^{(ijr)\text{hc},\mu\nu}}{\bar{s}_{jk}^{(ijr)}} \bar{B}_{\mu\nu}^{(ijr,jkr)} - 2 C_{f_{[ij]}} \int d\Phi_{n+1}^{(ijr)} J_{\text{hc}}^{ijr} \bar{\mathcal{E}}_{jr}^{(k)(ijr)} \left(\bar{B}^{(ijr,krj)} - \bar{B}^{(ijr,kjr)} \right) \right\}.$$

3. In the last line of eq. (4.49), the first contribution, $+ 2 \mathcal{N}_1 C_{f_j} \mathcal{E}_{jr}^{(i)} \left[J_{\text{hc}}^i(s_{ir}) + J_{\text{hc}}^j(s_{jr}) \right] \bar{B}^{(ijr)}$, should be replaced by

$$+ 2 \mathcal{N}_1 C_{f_j} \mathcal{E}_{jr}^{(i)} \left[J_{\text{hc}}^i(s_{ir}) \bar{B}^{(ijr)} + J_{\text{hc}}^j(s_{jr}) \bar{B}^{(irj)} \right].$$

4. On the right-hand side of eq. (4.51), the following line should be added:

$$- 2 \mathcal{N}_1 \left[C_{f_i} \mathcal{E}_{ir}^{(j)} J_{\text{hc}}^i(s_{ir}) \left(\bar{B}^{(jri)} - \bar{B}^{(jir)} \right) + C_{f_j} \mathcal{E}_{jr}^{(i)} J_{\text{hc}}^j(s_{jr}) \left(\bar{B}^{(irj)} - \bar{B}^{(ijr)} \right) \right].$$

5. On the right-hand side of eq. (5.22) the contribution

$$+ \frac{\alpha_s}{2\pi} 2 \mathcal{N}_1 C_{f_j} J_{\text{hc}}^j(s_{jr}) \mathcal{E}_{jr}^{(i)} \left(\bar{B}^{(ijr)} - \bar{B}^{(irj)} \right)$$

should be added.

6. In eqs. (C.18), (C.19), (C.20) and (C.21) the mapping (krj, ijr) should become (krj, irj) , and the mapping (jrk, ikr) should become (jrk, irk) .
7. In eqs. (C.43) and (C.44) the mapping (ijr, kjr) should become (ijr, krj) .
8. On the right-hand side of eq. (C.45), the following contribution should be added:

$$- 2 \mathcal{N}_1^2 C_{f_{[ij]}} \bar{\mathcal{E}}_{jr}^{(k)(ijr)} \frac{P_{ij(r)}^{\text{hc},\mu\nu}}{s_{ij}} \left(\bar{B}_{\mu\nu}^{(ijr,krj)} - \bar{B}_{\mu\nu}^{(ijr,kjr)} \right).$$

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