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

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

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

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

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

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

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

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

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:

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