Erratum

Soft-breaking correction to hard supersymmetric relations

QCD correction to squark decay

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The sign of the diagram with a gluino is in error. Equation (18) should read

$$F_{\tilde{g}} = \sqrt{Rr} \left\{ \frac{R+r-2}{(1-r)^2} H(R, r) + \frac{1}{r} \log(1-r) \right. \\ \left. + \frac{1}{1-r} [R \log R - (R-1) \log |R-1|] \right\}$$

Equation (22) should read

$$F = -2\text{Li}_2(r) - \log r \log(1-r) - \frac{\pi^2}{3} - \frac{3}{2} \log(1-r) \\ - \frac{r(4-3r)}{4(1-r)^2} \log r + \frac{13-14r}{4(1-r)} + \frac{3}{4} \log R - 1 \\ - \frac{1}{2} \left[(R^2-1) \log \frac{|R-1|}{R} + R \right] \\ + \frac{1}{4} \left[\frac{2R-1}{(R-1)^2} \log R - \frac{1}{R-1} \right] \\ + \sqrt{Rr} \left\{ \frac{R+r-2}{(1-r)^2} H(R, r) + \frac{1}{r} \log(1-r) \right. \\ \left. + \frac{1}{1-r} [R \log R - (R-1) \log |R-1|] \right\}.$$

This error affects Figs. 4 and 5. Conclusions of the paper remain unchanged. We are grateful to P. Zerwas for correspondence; the DESY–Leiden group found the error independently.

Fig. 4

Fig. 5