

## *Erratum*

# Double-diffractive processes in high-resolution missing-mass experiments at the Tevatron

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Eur. Phys. J. C. **19**, 477–483 (2001) – DOI 10.1007/s100520100637 Published online: 23 March 2001  
Erratum published online: 8 June 2001 – © Springer-Verlag / Società Italiana di Fisica 2001

The predictions of  $2^{++}$   $\chi_c$  and  $\chi_b$  production in Sect. 4 and Fig. 2 are grossly overestimated. We are grateful to F. Yuan and M. Pennington for discussions related to this point, see F. Yuan [hep-ph/0103213](#). We overlooked the fact that in the non-relativistic approximation the  $\chi(2^{++}) \rightarrow 2g$  transition vanishes in the  $J_z = 0$  state. The relativistic correction to this transition is predicted to be numerically small. A larger contribution comes from non-forward corrections, arising from the second term on the right-hand-side of (13), which may be as large as the fraction  $0.2\Gamma(2^{++})/\Gamma(0^{++})$  of the  $\chi(0^{++})$  production cross sections of (17). As a consequence we anticipate a decrease of the  $\chi(2^{++})$  cross section in the very forward region.