

# Production of $\chi_c$ meson pairs with additional emission

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## Collaboration

## Abstract content

We discuss production of different pairs of  $\chi_c$  mesons with large rapidity separation. Compared to earlier calculations we include also some extra gluon emissions. The calculation is done in the collinear approximation. Both partonic and hadronic phase will be discussed. Both real and virtual corrections are taken into account. Special attention will be given to large rapidity separations. Several differential distributions will be shown. Correlations between the two  $\chi_c$  mesons will be discussed. The result is important in the context of enhanced double  $J/\psi$  production.

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