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Mini-jet model estimate of the effective cross-section for double parton scattering

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We will present an estimate of the effective cross-section in double parton scattering based on the eikonal minijet model with soft gluon resummation, which was recently applied to the calculation of the total and inelastic non-diffractive proton proton cross-section at LHC and to the estimate of survival probabilities at LHC. Comparison with results from an empirical model modified to take into account recent LHC results at 13 TeV will also be presented.

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