

# Predictions of diffractive cross sections in proton-proton collisions

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## Summary

Predictions for diffractive proton-proton cross sections at high energies are presented in terms of unitarized expressions and compared with results from the LHC and cosmic ray experiments. An implementation in PYTHIA8, which includes single diffraction, double diffraction and central diffraction is also presented and predictions are compared with features of available LHC results.

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