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Jet gap jet cross sections at the LHC

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We will present new calculations of the jet gap jet cross sections at the LHC using the BFKL NLL formalism and comparisons between Tevatron D0 and CDF data. Predictions for jet gap jet cross sections at the LHC will also be given. For the first time, predictions will include NLO impact factors, which is absolutely needed in order to compare with data. New numerical methods were used in order to understand the effects of NLO impact factors. Jet gap jet cross section calculations with one intact proton in the final state will also be presented.

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