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An analysis of fragmentation functions of charged hadrons including proton-(anti)proton data from the Tevatron and the LHC

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In this contribution I will present a determination of the Fragmentation Functions (FFs) of unidentified charged hadrons at next-to-leading order in quantum chromodynamics based on the NNPDF methodology. The analysis includes cross-section data for single-hadron production in electron-positron annihilation, from a variety of experiments, and in proton-(anti)proton collision from the Tevatron and the LHC. I will discuss the quality of the FFs determined in this analysis with particular emphasis on the impact of the proton-(anti)proton data on the gluon distribution.

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