

NNLO QCD predictions for dijet production in diffractive DIS

Monday, 27 August 2018 15:30 (30 minutes)

Calculations for dijet production in diffractive deep-inelastic scattering (DIS) at next-to-next-to-leading order accuracy (NNLO) are presented. The calculations are based on the antenna subtraction formalism and the hard coefficients are convoluted with currently available PDFs for diffractive scattering (DPDFs). The NNLO predictions are compared to a large number of available measurements and different observables. Detailed studies on the DPDF and scale dependencies are presented.

Primary authors: BRITZGER, Daniel (Max-Planck-Institut für Physik München); ZLEBICKI, Radek (Deutsches Elektronen-Synchrotron (DE)); GEHRMANN, Thomas (Univ. Zurich); HUSS, Alexander Yohei (CERN); CURRIE, James (University of Durham); NIEHUES, Jan (University of Zurich)

Presenter: BRITZGER, Daniel (Max-Planck-Institut für Physik München)

Session Classification: PDFs, \mathbb{N}_s and soft QCD

Track Classification: PDFs, \mathbb{N}_s and soft QCD