

Extraction of TMDs from Drell-Yan data

Wednesday, November 27, 2019 4:30 PM (20 minutes)

We present an extraction of unpolarized transverse-momentum dependent (TMD) parton distribution functions (PDFs) based on a fit on data from Drell-Yan processes in different experiments and kinematic ranges, including in particular LHC experiments. The analysis is performed in the TMD factorization framework with perturbative accuracy up to next-to-next-to-next-to-leading-log (N^3LL), obtaining an improvement in the agreement with data.

Primary author: BISSOLOTTI, Chiara (University of Pavia and INFN)

Presenter: BISSOLOTTI, Chiara (University of Pavia and INFN)

Session Classification: Wednesday 4