

TMDs: Twist-2 Matching, Observables, and High-Energy Evolution

Monday 13 October 2025 15:05 (25 minutes)

We report on the N³LO twist-2 matching of polarized TMDs along with all N³LO polarized DGLAP kernels. Various qt-observables such as SIDIS qt, lepton-jet TEEC and dijet-TEEC are obtained at N³LL accuracy. Work towards precision small-x physics is also addressed based on Liptov Reggeon Field Theory and Glauber SCET.

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Session Classification: Monday