Contribution ID: **364** Type: **Parallel session talk**

Spectator-model studies for spin-dependent gluon TMD PDFs at the LHC and EIC

Monday 21 August 2023 17:25 (15 minutes)

We present novel analyses on accessing the 3D gluon content of the proton via spin-dependent TMD gluon densities, calculated through the spectator-model approach. Our formalism embodies a fit-based spectator-mass modulation function, suited to catch longitudinal-momentum effects in a wide kinematic range. Particular attention is paid to the time-reversal even Boer-Mulders and the time-reversal odd Sivers functions, whose accurate knowledge, needed to perform precise 3D analyses of nucleons, motivates synergies between LHC and EIC Communities.

Collaboration / Activity

None.

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