

TMD_e2015 - A path towards TMD extraction

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A PATH TOWARDS
TMD EXTRACTION
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Collins asymmetries in $p p \rightarrow \text{jet pion X}$

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We study the azimuthal asymmetries for the distributions of leading pions inside a jet produced inclusively in high-energy proton-proton collisions within the framework of the transverse momentum dependent generalized parton model. We present results for the Collins effect at the RHIC center-of-mass energies $\sqrt{s} = 200$ and 500 GeV and compare our predictions with very recent, preliminary data from the STAR Collaboration.

Session

4: TMDs from azimuthal asymmetries in polarized SIDIS with transverse and longitudinal spin

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