

TMD_e2015 - A path towards TMD extraction

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A PATH TOWARDS
TMD EXTRACTION
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Dependence of 2h SIDIS structure functions on DeltaPhi

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The general formalism to study the dependence of 2h SIDIS structure functions on DeltaPhi.

Examples:

- 1) Sivers effect in 2h production in CFR.
 - a) General formula and convolution expressions for SFs
 - b) Results based on mLEPTO and comparison with released COMPASS data
- 2) $A_{LU} \sin(\Delta\Phi)$ asymmetry in b2b SIDIS (one hadron produced in the CFR and the second – in the TFR). Leading order expression based on fracture and fragmentation functions. Preliminary data from JLab CLASS experiment.

Session

- 5: TMD fragmentation functions in e+e- and SIDIS processes

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