



Contribution ID: 70

Type: not specified

JAM extractions of helicity and transversity distributions

Tuesday, 12 December 2017 11:25 (20 minutes)

It is well known that polarized semi-inclusive deep-inelastic scattering (SIDIS) observables play an important role in determining the spin structure of the proton. In addition to being used in global QCD analyses to constrain quark helicity distributions, especially for the sea quarks, SIDIS can also give information about the quark structure of a transversely polarized nucleon. In this talk, I will summarize recent efforts by the JAM collaboration to extract quark helicity and transversity distributions from SIDIS asymmetries using Monte Carlo statistical methods.

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Session Classification: Session II-b