

DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



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Heavy flavor hadron polarization and nonperturbative QCD in spin-directed momentum transfer

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Spin dependent quark and gluon distributions can lead to distinctive features in the angular dependences and asymmetries of pp and ep scattering processes. Of particular interest are heavy quark production processes, wherein spin asymmetries of the heavy quarks, correlated with diquarks, adumbrate the underlying spin dependences. Heavy flavor hyperons with diquark spectators as well as top quark decay polarization asymmetries connect to the underlying perturbative and non-perturbative QCD dynamics.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

No

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