

Probing Gluon TMDs at a future EIC

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We show how the study of azimuthal asymmetries for heavy quark pair and dijet production in electron-proton collisions could provide detailed information on gluon distributions, including their transverse momentum dependence. In particular, in the case of transversely polarized protons, the gluon Sivers effect is examined. Moreover, we discuss the strong analogies between the gluon single spin asymmetries for these processes and the quark asymmetries in SIDIS.

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Session Classification: Talks