

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



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Type: **Parallel talk**

Semi-inclusive diffractive DIS at small-x

Wednesday 29 March 2023 10:50 (20 minutes)

We propose semi-inclusive diffractive deep inelastic scattering (SIDDIS) to investigate the gluon tomography in the nucleon and nuclei at small-x. The relevant diffractive quark and gluon parton distribution functions (DPDF) can be computed in terms of the color dipole S-matrices in the fundamental and adjoint representations, respectively.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

No

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