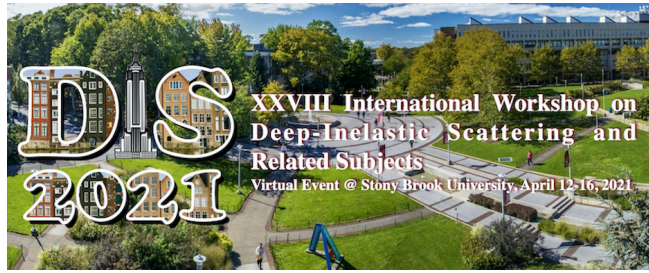


XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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NLO Corrections to Di-Hadron Production in DIS Using the Color Glass Condensate Formalism

Di-hadron angular correlations are a sensitive probe of the Color Glass Condensate (CGC) at the Electron Ion Collider, and higher order corrections are needed for a quantitative analysis. Here we present our preliminary results for the calculation of next to leading order corrections to di-hadron production in Deep Inelastic Scattering (DIS) at small Bjorken x . We model the target nucleus as a classical background field using the color glass condensate effective theory of QCD. The Wilson line correlators are averaged according to the gaussian (MV) model, and we use the spinor helicity formalism for efficient calculation of the helicity structure.

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