

Abstract Submitted  
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**Impact of EIC on the collinear gluon helicity distribution** () FIL-IPPO DELCARRO, Jefferson Lab — We assess the impact of the future Electron-Ion Collider on the collinear gluon helicity distribution ( $\Delta g$ ). In particular, we study the constraining power of longitudinally polarized inclusive deep-inelastic scattering on  $\Delta g$  using the  $Q^2$  range covered by the EIC kinematics.

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