

EIC-LHC synergies for gluon distributions

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There are many opportunities to study gluon distributions at both the EIC and LHC. Most of these studies are complementary and the combined information will allow us to get a more complete picture of the gluonic properties of protons and nuclei. This applies to collinear gluon PDFs, but also to the gluon Transverse Momentum Distributions (TMDs), Generalized Parton Distributions (GPDs), Generalized TMDs (GTMDs), Double distributions and diffractive distributions, as will be addressed in this talk.

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