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## Frontiers of QCD with Precision nPDFs

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nPDF global analyses typically impose strong kinematic cuts on the data sets to avoid theoretically complicated regions. High-statistics measurements from an EIC could provide the precision to explore these extreme limits of QCD including hi- $x$ , low- $Q$ , small- $x$ , intrinsic flavor, & nuclear matter effects. New EIC measurements would yield improved precision for nPDFs, thereby driving theoretical investigations, which would ultimately provide a deeper understanding of the underlying QCD theory. The nPDFs play a pivotal role in this study, and we examine some of the limitations as well as recent progress.

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