

## Theory Challenges in EIC Physics

*Friday, 27 July 2018 09:00 (30 minutes)*

Electron-Ion Collider (EIC) is the highest priority for new construction in US nuclear science community and will likely to start physics program in about 5-10 years from now.

EIC enables to make detailed studies of the parton structure of nucleons and nuclei in unprecedented accuracy and kinematic domain. How to compute the EIC observables, namely various parton distributions and fragmentations, will become a grand challenges for QCD theorists. In this talk, some recent ideas and prospects, including lattice and quantum computations are discussed.

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