

The Electron Ion Collider User Group Meeting



Contribution ID: 38

Type: **not specified**

Rapidity factorization approach and EIC

Friday, 8 July 2016 13:55 (25 minutes)

Rapidity factorization is a theoretical approach which allows us to study high-energy scattering reactions in a wide range of kinematic variables. This is especially important for the future Electron Ion Collider (EIC) which will give access to much smaller values of x , than the range covered by the present fixed-target experiments. I'll present an essential introduction into the method and show how it can be implemented in particle production at EIC. I'll show particular results for evolution of gluon TMD distributions valid for different values of Bjorken x and transverse momenta.

Presenter: TARASOV, Andrey

Session Classification: Nuclear Structure at Large and Small x (Theory)