



Contribution ID: 60

Type: **Oral Presentation**

Gluon TMD studies at EIC

Tuesday 8 September 2015 13:45 (25 minutes)

Transverse momentum dependent parton distributions (TMDs) are currently under active investigation, both theoretically and experimentally. For studies of the gluon TMDs higher energy or smaller x values are required. EIC can offer ideal probes for studies of the distributions of unpolarized and linearly polarized gluons inside unpolarized protons, and of the gluon Sivers effect for transversely polarized protons. These distributions and what we can learn about them at EIC will be reviewed in this talk, with emphasis on the promising observables, the process dependence and the expected small- x behavior of the distributions.

Author: BOER, Daniel (University of Groningen)

Presenter: BOER, Daniel (University of Groningen)

Session Classification: Small- x

Track Classification: Small- x and saturation