Contribution ID: **39** Type: **not specified**

Cos (2φ) azimuthal asymmetry in virtual photon-jet production in pA collisions

Thursday, 2 June 2016 17:00 (20 minutes)

We numerically investigate the cos(2phi) azimuthal asymmetry in virtual photon-jet production in pA collisions, which provides the direct access to the linearly polarized gluon distribution. Our analysis incorporates both the saturation effect and the Sudakov suppression effect. The preliminary numerical result suggests that the asymmetry could be sizeable in the kinematical region accessible at RHIC . It is thus promising to probe the linearly polarized gluon distribution through this channel at RHIC.

Presenter: ZHOU, Yajin

Session Classification: Talks