

## The Electron Ion Collider User Group Meeting



Contribution ID: 37

Type: not specified

# Azimuthal Anisotropy in Deep Inelastic Scattering Dijet Production at High Energy

*Friday, 8 July 2016 13:30 (25 minutes)*

In this talk I will discuss the distribution of linearly polarized gluons of a dense target at small  $x$  in McLerran-Venugopalan model and by solving the Balitsky–Jalilian-Marian–Iancu–McLerran–Weigert–Leonidov–Kovner rapidity evolution equations. The solution shows a sizable amplitude of  $\sim \cos 2\phi$  azimuthal asymmetries in deep inelastic scattering dijet production at high energies. I will also talk about the first correction to the quadrupole operator in high-energy QCD beyond the TMD limit of Weizsaecker-Williams and linearly polarized gluon distributions. The Correction produces a  $\sim \cos 4\phi$  angular dependence which is suppressed by one additional power of the dijet transverse momentum scale (squared)  $P^2$ .

**Presenter:** SKOKOV, Vladimir

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