## The Electron Ion Collider User Group Meeting



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## 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)