## XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 495

Type: Contributed Talk

## Angular correlations of dijet photoproduction in ultra-peripheral PbPb collision at 5.02 TeV with the CMS experiment

Thursday, 15 April 2021 12:15 (18 minutes)

Dijet processes can be used in several ways to probe the nuclear initial state. Exclusive dijet photoproduction in ultra-peripheral heavy-ion collisions has recently been suggested as a probe of the gluon Wigner distribution. In particular, the angular correlation of exclusive dijets can assess the azimuthal anisotropy of the gluon distribution in the nuclear target. In this talk, we present the measurement of the angular correlations of dijets in ultra-peripheral PbPb collisions at 5.02 TeV with the CMS experiment. The dependence of the second harmonic of the angular distribution as a function of the vectorial sum of the leading and subleading jets will be discussed.

Presenter: BYLINKIN, Alexander (The University of Kansas (US))Session Classification: Small-x, Diffraction and Vector Mesons

Track Classification: Small-x, Diffraction and Vector Mesons