

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



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

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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.

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**Session Classification:** Small-x, Diffraction and Vector Mesons

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