

Measurement of coherent J/Psi production in Ultra-Peripheral Collisions with the ALICE detector at the LHC

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Ultra-relativistic heavy ions generate strong electromagnetic fields which offer the possibility to study gamma-gamma and gamma-nucleus processes at the LHC in the so called ultra-peripheral collisions (UPC). The coherent photoproduction of J/Psi vector mesons in UPC is sensitive to the gluon distribution of the interacting nuclei. Here we report on ALICE results of J/Psi coherent production measured in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV where the J/Psi has been measured in the mu mu decay channel with the Alice Muon Spectrometer in the rapidity range $-3.6 < y < -2.6$.

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Talk

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