

Abstract Submitted
for the DNP11 Meeting of
The American Physical Society

Observation of the J/Psi meson in Ultra Peripheral Collisions at STAR GLEB BATALKIN, Creighton University — Observation of the J/Psi meson in Ultra Peripheral Collisions at STAR Ultra Peripheral Collisions (UPC's) involve two colliding ions that do not physically overlap but interact electromagnetically. In UPC's, the exchange of virtual photons can lead to the photoproduction of vector mesons. The 2010 200 GeV Gold-Gold data from STAR contains the first evidence of photoproduction of J/Psi mesons in UPCs at STAR. The J/Psi meson is of particular interest because it probes the gluon distribution function at low-x. This poster will present the measurement of J/psi production in UPCs at STAR, including a Rho to J/Psi photoproduction cross section ratio.

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Date submitted: 03 Aug 2011

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