

Abstract Submitted  
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**J/ $\psi$   $\rightarrow$   $e^+e^-$  measurements in Cu+Cu collisions at  $\sqrt{s_{NN}}=200$  GeV** KUSHAL DAS, Florida State University, PHENIX COLLABORATION — J/Psi production in Cu+Cu collisions at  $\sqrt{s_{NN}}=200$  GeV has been measured by the PHENIX experiment at the Relativistic Heavy Ion Collider (RHIC) in the rapidity ranges  $|y| < 0.35$  and  $1.2 < |y| < 2.2$  and the transverse momentum range  $p_T < 10$  GeV/c via the dielectron and dimuon decay channels. The J/Psi yield and the nuclear modification factor ( $R_{AA}$ ) as a function of centrality, transverse momentum and rapidity were obtained and will be compared with results from p+p and Au+Au collisions at the same center-of-mass energy. The data shows a strong suppression in the J/Psi production as a function of centrality for the most central collisions that is independent of rapidity. A survey of theoretical models will be presented and compared with the J/Psi measurements.

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