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Study of J/ψ production at low p_T in Cu+Cu collisions at $\sqrt{s_{NN}} = 200$ GeV at STAR experiment DANIEL KIKOLA, Lawrence Berkeley National Lab, STAR COLLABORATION — J/ψ production in Cu+Cu collisions at $\sqrt{s_{NN}} = 200$ GeV has been measured by STAR experiment at RHIC. Cu+Cu is particularly interesting because it is positioned between d+Au where only cold nuclear matter effects are present and Au+Au where significant suppression due to hot nuclear matter was reported. In this talk the study of J/ψ production at low p_T in Cu+Cu at $\sqrt{s_{NN}} = 200$ GeV will be reported. The J/ψ invariant yield and nuclear modification factor as a function of transverse momentum (up to 5 GeV/c) and centrality will be presented. The results of J/ψ in Cu+Cu will be compared to relevant p+p data, PHENIX Cu+Cu measurement and various theoretical models.

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