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 J/Ψ production at forward rapidity in $\sqrt{s_{NN}}=200$ GeV Au-Au collisions in PHENIX experiment MINJUNG KWEON, Korea University, PHENIX COLLABORATION — The modification of heavy quarkonium yields and spectra is considered one of the most promising signatures of the predicted nuclear phase transition into the deconfined quark- gluon plasma. During RHIC run 4, the PHENIX muon spectrometers, covering $1.2 < \eta < 2.4$ and $-1.2 < \eta < -2.2$, yielded several thousands of J/Ψ particles in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. The R_{AA} dependence over centrality, p_T and rapidity will be presented using the J/ψ production via $\mu^+\mu^-$ channel.

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