

Abstract Submitted
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J/ψ Production and R_{AA} at Forward Rapidities in Run 7
 $\sqrt{s_{NN}}=200\text{GeV Au+Au}$ MATTHEW WYSOCKI, University of Colorado,
PHENIX COLLABORATION — J/ψ suppression is an important observable for
verifying our understanding of the QGP formed in relativistic heavy ion collisions.
In particular, the suppression as a function of transverse momentum has been of par-
ticular interest recently. Theoretical predictions remain diverse due to our imprecise
knowledge of charm production mechanisms, nuclear effects, and suppression and
regeneration processes. Because of this, it is important to measure this rare process
in a variety of channels, observables, and phase space regions. We will show the lat-
est results for J/ψ production and R_{AA} at forward rapidities in the PHENIX Muon
Arms, as functions of centrality, rapidity and p_T , using the recent higher-statistics
datasets for both Au+Au and p+p to improve our measurements over previous
results.

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