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J/Psi Flow analysis for Au+Au data from PHENIX ABHISEK SEN, Georgia State University — In 1986 Matsui and Satz predicted that J/Ψ will be suppressed by Quark Gluon Plasma (QGP) due to color screening, which will prevent binding $c\bar{c}$ pair and lead to J/Ψ suppression [1]. Many different experimental groups have studied the J/Ψ production meachanisms in relativistic heavy ion collisions since then. In recent years, at Relativistic Heavy Ion Collider (RHIC), both PHENIX and STAR collaborations have reported J/Ψ results from Au+Au and p+p collision. The elliptic flow study [2] is one of the most important tools to understand the initial state of matter created at heavy ion collisions. Recent reasults show a strong quark scaling property of v_2 from the measured baryons and mesons at RHIC. These results indicate fast initial state thermalization of the colliding nuclei. In this work, I am going to present the current status of J/ψ flow measurement from its dimuon decay channel at forward rapidity in Au+Au collision at center of mass energy per nucleon nucleon collision $\sqrt{s} = 200$ GeV.

[1] T. Matsui and H. Satz, Physics Letters B **178**, 4, (1986)
[2] A.M.Poskanzer and Voloshin, Physical Review **58**, 3, (1998)
[3] A. Adare, et al (PHENIX), PRL 98,232301 (2007)

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