Abstract Submitted
for the HAW09 Meeting of
The American Physical Society

Production of high p_T J/ψ in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV in STAR BARBARA TRZECIAK, Warsaw University of Technology/LBNL, STAR COLLABORATION — Suppression of the J/ψ production by color screening in ultra-relativistic heavy-ion collisions was suggested as the signature of the Quark-Gluon Plasma formation. Measurement of J/ψ production in p+p collisions is a baseline measurement which allows to verify the J/ψ suppression in A+A collisions and could provide information about the J/ψ production mechanism. Run 2008 p+p STAR data was taken with reduced detector material, therefore it has significantly reduced background compare to the earlier runs. In this presentation, the preliminary analysis of mid-rapidity J/ψ production at high transverse momentum through dielectron decay channel in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV from year 2008 will be shown.

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Date submitted: 01 Jul 2009 Electronic form version 1.4