

J/ψ production at RHIC

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The study of J/ψ production is expected to provide evidence for the production of the quark-gluon plasma (QGP) in relativistic heavy ions collisions. Several models indicate that the production of a QGP will result in changes to the J/ψ yield. At CERN the NA50 experiment observed a strong suppression compared to expectations. At RHIC, the PHENIX experiment has measured J/ψ production at 200 GeV, in pp and dAu collisions to study cold nuclear effects, in AuAu and CuCu collisions to study hot and dense medium effects. In this talk the PHENIX results will be presented and compared to various theoretical models.