Heavy quarkonia measurements at STAR

Tuesday 28 July 2009 14:25 (25 minutes)

The measurements of charmonium and bottomonium resonances in ultra-relativistic heavy-ion collisions provide crucial information on the dynamics of the created high-density QCD matter. The suppression of heavy quark-antiquark bound states is generally agreed to be one of the most direct probes of QGP formation due to screening of the color potential in the plasma. In addition, the production of heavy-quarks proceeds mainly via initial parton-parton processes and, as such, the production of heavy quarkonia in p+p and d+Au collisions will provide valuable information on the baseline and the initial-state modifications. In this presentation, we will review the measurements of heavy quarkonia at STAR experiment.

Author: Dr LIU, Haidong (University of California (UCD)-Unknown-Unknown)

Presenter: Dr LIU, Haidong (University of California (UCD)-Unknown-Unknown)

Session Classification: Heavy Ions I

Track Classification: Heavy Ion Physics/Hot and Dense QCD