

Upsilon suppression studies in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV in the STAR experiment

Monday, 14 January 2019 11:30 (20 minutes)

In this presentation, the properties of Upsilon mesons are going to be discussed. These mesons can be used to probe the quark-gluon plasma (QGP) created in A+A collisions. In particular, the Upsilon suppression mechanism in the presence of QGP will be described. Recent results of Upsilon suppression measurements in Au+Au collisions from the STAR experiment will be shown. Next, the experimental methods of Upsilon production will be discussed along with the STAR experiment setup. Finally, the progress of this ongoing work will be reported.

Primary author: ŠTOREK, Jaroslav (CTU FNSPE)

Presenter: ŠTOREK, Jaroslav (CTU FNSPE)

Session Classification: Experiment STAR