

Cold and Hot Nuclear Matter Effects on J/psi Production

Thursday, 15 November 2012 15:30 (25 minutes)

We investigated the cold and hot nuclear matter effects on J/psi productions in HIC in a detailed transport approach. The hot nuclear effect is included in the collisions terms of the J/psi transport equation, and the cold nuclear effect is reflected in the initial condition of the transport. While the cold nuclear effect reduces the J/psi yield significantly, it changes the J/psi transverse momentum distribution slightly.

Keywords

J/psi production, cold effects, hot effects, regeneration

Primary author: ZHOU, Kai (Tsinghua University)

Co-authors: XU, Nu (LBNL); ZHUANG, Pengfei (Tsinghua University)

Presenter: ZHOU, Kai (Tsinghua University)

Session Classification: Parallel 2C (Chair Kenta Shigaki)