

Cold and Hot Nuclear Matter Effects on J/psi Production

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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

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