

Momentum dependence of quarkonium production at RHIC and LHC

The momentum dependence of quarkonium dissociation temperature in hot medium is investigated and is applied to the quarkonium suppression in high energy nuclear collisions. For a fast moving quarkonium, the screening is significantly weakened, its dissociation temperature becomes higher and leads to a transverse momentum broadening in heavy ion collisions at RHIC and LHC.

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