

Quarkonium Regeneration in Heavy Ion Collisions at LHC

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We discuss the quarkonium production in heavy ion collisions at LHC energy, including both initial production before the QGP formation and the regeneration inside the QGP phase. Instead of the quarkonium yield, the quarkonium transverse momentum distribution is sensitive to the production dynamics and can be considered as a sensitive signature of the QGP formation.

Keywords

Quarkonium regeneration, Transverse momentum, QGP formation, Heavy ion collisions

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