

Review of quarkonium production mechanism in pp collisions from low to high p_t

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Quarkonium suppression is one of the key evidences for the QGP. To quantitatively study the suppression, one needs to understand the underlying quarkonium production mechanism. In this talk, I will briefly review the recent progresses on the quarkonium production and polarization, especially at hadron colliders, from low to high p_t , including the nonrelativistic QCD (NRQCD) effective theory, the current status of the J/ψ polarization puzzle, the color-glass-condensate (CGC) plus NRQCD model in the contribution of small p_t predictions, and miscellaneous.

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