

Quarkonia in pp, pPb and PbPb collisions with CMS

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Quarkonia are excellent probes of the rich physics at play in heavy ion collisions. They are sensitive to a wide variety of effects, such as sequential melting and regeneration in the QGP and its hydrodynamic evolution, but also shadowing, energy loss and comovers effects. We will review recent results on charmonium ($p_T > 3$ GeV) and bottomonium ($p_T > 0$ GeV) production in pp, pPb and PbPb collisions in CMS: production measurements of J/psi, psi(2S) and upsilon(nS) as a function of transverse momentum, rapidity and centrality (including ratios between different collision systems and states) and the v_2 of prompt J/psi.

List of tracks

Resonance decays at low, intermediate and at RHIC and LHC

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