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Review of quarkonia measurements in CMS

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Quarkonia is a very useful tool to study the properties of the hot, dense matter, quark-gluon-plasma (QGP) in various collision systems. In this talk, we will review the recent results of the elliptic flow parameter (v2) of Upsilon(1S) and Upsilon(2S) mesons in PbPb collisions. Also, we present the cross-sections and nuclear modification factors of Psi(2S) and bottomonia in pPb collisions to investigate the medium effects in small collision systems. Additionally, we report the study of the fragmentation of jets containing the J/Psi meson in PbPb and pp collisions which provide information to understand the dynamics of charmonia in the QGP medium.

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