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Measurements of quarkonia suppression in small system in CMS with LHC Run2 data

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Quarkonium production in small systems has been extensively studied in LHC and RHIC to understand the suppression effects which may be described by the existence of a small QGP droplet. To further elaborate, it is necessary to obtain experimental data where models can describe the suppression from the hot medium effect and the cold nuclear matter effect. In this talk, we present recent studies of quarkonia in CMS using pp and pPb collision data taken from LHC in Run 2. We will focus on the nuclear suppression R_{pPb} for charmonia and bottomonia and compare our results with theoretical model predictions.

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