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Suppression of Upsilon excited states in PbPb collisions at sqrt(s)=5.02 TeV with CMS[1] MANUEL CALDERON DE LA BARCA SANCHEZ, Univ of California - Davis, CMS COLLABORATION — We discuss measurements of Upsilon production in PbPb collisions collected with the CMS experiment at a center-of-mass energy of 5.02 TeV. We have measured the excited states and ground state in both PbPb and pp collisions at the same energy. We summarize the results of analyses on the double ratio of excited states to the ground state in both collision system and on the nuclear modification factor, R_{AA}, of Upsilon states. A large suppression is observed for all states, with the higher excited states showing smaller R_{AA}, and compare the results to model calculations.

[1]NSF

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