Contribution ID: **499** Type: **Parallel Talk**

Measurements of strange and non strange beauty production in PbPb collisions at 5.02 TeV with the CMS detector

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Beauty quark production in heavy-ion collisions is considered to be one of the key measurements to address the flavour-dependence of in-medium energy loss in heavy-ion collisions. On the other hand, the measurement of the production of strange beauty mesons can provide fundamental insights into the relevance of mechanisms of beauty recombination in the quark-gluon plasma. In this talk, we will present the state of the art of beauty measurements in PbPb collisions in CMS that includes the R_{AA} measurement of fully reconstructed B^+ mesons and the latest measurements of non-prompt D^0 and J/ψ from B decay over a wide transverse momentum range in the same colliding system. The first measurement of the B_s R_{AA} in PbPb collisions will also be presented as well as the ratio between the production yield of B_s and B^+.

Content type

Experiment

Collaboration

CMS

Centralised submission by Collaboration

Presenter name already specified

Authors: CMS; CMS

Presenter: WANG, Ta-Wei (Massachusetts Inst. of Technology (US))

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