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Perspectives of Υ production in ALICE and future prospects

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The study of the production of bottomonium states and their suppression has been a proposed probe of the properties of the hot and dense medium created in high-energy heavy-ion collisions.

In particular, some of the Υ states have a smaller size and larger binding energy than the J/ψ , and their study provides valuable information complementary to those obtained from charmonium.

The $\Upsilon(1S)$ state is expected to dissociate at a higher temperature than all the other quarkonium states, thus proving to be an effective thermometer of the system.

This poster will highlight details of the Υ analysis in Pb-Pb collisions, along with future prospects of Υ studies in the ALICE experiment for the upcoming Run2 of the LHC.

On behalf of collaboration:

ALICE

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