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Quarkonium production measurements in Pb-Pb collisions with the ALICE experiment at the LHC

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ALICE (A Large Ion Collider Experiment), one of the four main experiments at the Large Hadron Collider (LHC), was designed and built to perform dedicated research on heavy ion collisions to study the Quark Gluon Plasma (QGP), a deconfined state of strongly interacting QCD matter.

As heavy flavours are produced on a very short time-scale in the initial hard scattering processes, they can be used to characterize the hot and dense medium formed in high-energy heavy-ion collisions through their modified yield as compared to pp collisions.

In ALICE, quarkonium production is measured via the dielectron and dimuon decay channels at central (|y| < 0.9) and forward (2.5 < y < 4) rapidity, respectively.

In this talk the latest results on quarkonium production by the ALICE experiment in Pb-Pb collisions at sqrt{s_{NN}} = 2.76 TeV will be presented.

Primary author: VALENCIA PALOMO, Lizardo (Universite de Paris-Sud 11 (FR))

Presenter: VALENCIA PALOMO, Lizardo (Universite de Paris-Sud 11 (FR))

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