

Bottomonium measurements in nucleus-nucleus and proton-nucleus collisions with ALICE

Thursday, 30 July 2020 08:48 (24 minutes)

Bound states of a heavy quark-antiquark-pair, quarkonia, are unique model systems to probe the deconfinement property of strongly interacting matter created in heavy-ion collisions. At the LHC, a unique comprehensive and precise set of measurements is available for the heavy bottom-antibottom vector states, which is a complementary probe to the lighter charmonium system thanks to its heavier mass.

In this talk, recent results on bottomonium results of nuclear modification factors in nucleus-nucleus collisions and azimuthal anisotropies at forward rapidities will be discussed. In addition, ALICE Υ measurements in proton-nucleus collisions at forward rapidity and its implications for the interpretation of nucleus-nucleus collision data will be presented.

I read the instructions

Secondary track (number)

Primary author: CARON, Robin (Université Paris-Saclay (FR))

Presenter: CARON, Robin (Université Paris-Saclay (FR))

Session Classification: Heavy Ions

Track Classification: 07. Heavy Ions