

Effect of the polarization on the acceptance for quarkonia studies in PbPb at $\sqrt{s_{NN}} = 2.76$ TeV in CMS

Measuring J/ψ polarization in heavy ion collisions requires a very high luminosity. While most of the LHC experiments have been quoting corrected yields in heavy ion collisions based on the assumption of an unpolarized production, CMS prefers to quote results in different scenarios, allowing theorists to confront their calculations in the frame they prefer. The effect of polarization on the acceptance of quarkonia at $\sqrt{s_{NN}} = 2.76$ -TeV will be discussed in this poster. The final quarkonia corrected yields measured by CMS in PbPb collisions for 5 different polarization scenarios will be reviewed.

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