

Measurement of J/psi polarization at forward rapidity in pp collisions at $\sqrt{s}=7$ TeV with the ALICE detector

The ALICE experiment at the LHC measures quarkonium and open heavy flavour production down to low transverse momentum ($p_t=0$, for quarkonium) at forward rapidity in the muon channel. In this scope, the quarkonia and heavy flavour physics program in pp collisions aims to define a proper normalization for nuclear collision studies and to address prominent unresolved issues, such as the determination of the quarkonium production mechanism.

Polarization is considered as one of the most promising observables to discriminate among all the theoretical models for quarkonia production.

First results on the polarization of J/psi mesons produced at forward rapidity in $\sqrt{s}=7$ TeV pp collisions will be presented.

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