

J/psi elliptic flow measurement in Pb-Pb collisions at forward rapidity in the ALICE experiment

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J/psi suppression induced by color screening of its constituents quarks was proposed 26 years ago as a signature of the formation of a quark gluon plasma in heavy-ion collisions. Recent results from ALICE in Pb-Pb collisions exhibit a smaller suppression with respect to SPS and RHIC previous measurements. The study of azimuthal anisotropy in particle production gives information on the collective hydrodynamic expansion of the QGP. In particular, J/psi elliptic flow v_2 is important to test the degree of thermalization of particles containing heavy quarks. Together with the production yields, the elliptic flow is a powerful observable to address the question of suppression and regeneration of J/psi in QGP.

We present the first J/psi elliptic flow measurement obtained at forward rapidity and in the low transverse momentum region. v_2 is measured as a function of transverse momentum and as a function of rapidity in mid-central collisions. Comparison with recent STAR results is performed.

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