Beitrag ID: **153** Typ: **Talk**

New approach of charmonium medium response using elliptic and triangular flow of J/ψ and ψ(2S) with CMS

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The second- and third-order Fourier coefficients of charmonium states are measured in PbPb collisions with CMS. With this new analysis, extending to a higher p_{T} region, we investigate further the high-p_{T} J/ψ v_2 in heavy ion collisions. The nonprompt J/ψ v_2 probes the different behavior of charm and bottom quarks induced by interactions with the QGP medium. The v_3 flow coefficient values, for the separated prompt and nonprompt J/ψ as well as the prompt ψ(2S), are reported for the first time.

Experiment/Theory

CMS

Affiliation

CMS

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Sitzung Einordnung: Parallel: Heavy Flavours & Quarkonia

Track Klassifizierung: Heavy flavor and quarkonia