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Typ: Talk

New approach of charmonium medium response using elliptic and triangular flow of J/ψ and $\psi(2S)$ 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 $\psi(2S)$, are reported for the first time.

Experiment/Theory

CMS

Affiliation

CMS

Hauptautor: OH, Geonhee (University of Illinois at Chicago)

Vortragende(r): OH, Geonhee (University of Illinois at Chicago)

Sitzung Einordnung: Parallel: Heavy Flavours & Quarkonia

Track Klassifizierung: Heavy flavor and quarkonia