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Beitrag ID: 154

Typ: Talk

Measurement of heavy quarkonia elliptic flow in pPb collisions with the CMS detector

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The second-order Fourier coefficients (v_2) of $\Upsilon(1S)$ and J/ψ mesons in high-multiplicity pPb collisions is studied using data collected by the CMS experiment at a nucleon-nucleon center-of-mass energy 8.16 TeV. The dimuons used to reconstruct the heavy quarkonium states are correlated with charged hadrons using long-range two-particle correlation techniques. The measurement of the $\Upsilon(1S)$ v_2 is reported for the first time in small collision systems. The results are discussed in the context of collectivity and modification of heavy quark dynamics.

Experiment/Theory

CMS

Affiliation

CMS

Hauptautor: LEE, Kiso (Korea University (KR))

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Sitzung Einordnung: Parallel: Heavy Flavours & Quarkonia

Track Klassifizierung: Heavy flavor and quarkonia