

Elliptic and triangular flow of identified particles measured with the ALICE detector.

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The anisotropic flow of identified particles is an important observable to test the collective behavior of the matter created in heavy-ion collisions. We report on the first measurements of elliptic and triangular flow for charged pions, kaons and protons in lead-lead collisions at 2.76 TeV per nucleon pair center of mass energy, measured with the ALICE detector at the LHC.

We will make a detailed comparison of the observed mass splitting of $v_{\{2\}}$ at LHC energies to RHIC measurements at lower energies. For identified particles with intermediate transverse momenta we test the quark coalescence picture with $v_{\{2\}}$ and $v_{\{3\}}$ scaled by the number of constituent quarks vs scaled $p_{\{t\}}$ and scaled $m_{\{t\}}$.

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