

Differences between elliptic flow for pions, kaons and protons at STAR experiment

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Anisotropic flow measurements are among the key observables which encode information about the QGP transport properties. Prior identified hadrons elliptic flow measurements from STAR indicated a significant difference between particle and antiparticle elliptic flow, which increases strongly towards lower beam energy. The triangular flow measurements are expected to give additional insight into the observed particle-antiparticle v_n difference. We will present and discuss the beam energy dependence of the v_2 and v_3 particle-antiparticle difference. The results will be presented as functions of centrality and p_T for Au+Au at $\sqrt{s_{NN}} = 200, 54.4, 39,$ and 27 GeV. Also, a detailed factorization study will be presented.