

Measurement of elliptic and triangular flow of identified hadrons in the STAR experiment

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The STAR collaboration has made an extensive set of flow measurements for different collision energies. The anisotropic flow measurements are among the key observables which encode information about the QGP transport properties, such as the specific shear viscosity ($\eta/s(T)$). We will present and discuss the recent STAR measurements on the elliptic and triangular flow harmonics of identified particles/antiparticles for $\sqrt{s_{NN}} = 27, 39, 54.4$ and 200 GeV. Our measurements will also be compared to the EPOS model calculations to pin down the respective influence of initial-state fluctuations of shape (ϵ) and $\eta/s(T)$ on both elliptic and triangular flow.