Beam-energy and collision-system size dependence of the anisotropic flow measurements from STAR

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For various centrality selections, we will present v_2 and v_3 measurements as a function of particle species and transverse momentum for several beam energies and system size. The longitudinal flow decorrelation $r_n(\eta, \eta_{ref})$ (n = 2, 3) will be also presented at three different collision energies.

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Investigating the beam-energy and collision-system size dependence of the anisotropic flow measurements (high momentum v_n , identified hadron v_n , and longitudinal flow decorrelation) is expected to provide crucial insights on the initial conditions and the transport properties of the QGP.