

## Beam Energy Dependence of Azimuthal Correlations in Au+Au Collisions at mid and forward rapidity

*Thursday 26 May 2016 17:30 (30 minutes)*

The STAR collaboration has made an extensive set of flow measurements for Au+Au collisions spanning the collision energy range of 7.7 - 200 GeV in beam energy scan I (BES - I). Differential results for the  $n^{\text{th}}$  harmonic coefficients  $v_n\{2\}$ , used to characterize the flow magnitudes, will be presented for charged hadrons measured at mid and forward rapidity ( $\eta < 1$  and  $2.5 < \eta < 4$ ) with a pseudorapidity separation  $\Delta\eta > 0.7$ . The use of these measurements to understand aspects of the reaction dynamics and the QCD phase diagram will also be discussed.

### Collaboration

STAR

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**Session Classification:** Extraction of medium properties