

Anisotropic flow analyses with multiparticle azimuthal correlations

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Multiparticle azimuthal correlations are nowadays utilized regularly by all major collaborations worldwide which are analyzing heavy-ion data. Most notably, correlation techniques are used to explore the collective properties of the new state of matter, the Quark-Gluon Plasma (QGP), composed of deconfined quarks and gluons, by performing measurements of anisotropic flow phenomenon in heavy-ion collisions. In this talk we will present in detail multiparticle azimuthal correlations and summarize briefly the most important physical results obtained with them so far.

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