Contribution ID: **44** Type: **not specified**

Scaling properties of azimuthal anisotropy at RHIC

Thursday 18 July 2019 12:30 (30 minutes)

A central goal of current experiments at RHIC is to study the properties of the hot and dense QCD matter produced in energetic heavy-ion collisions. Such studies can give provide on the QCD phase diagram, as well as the transport coefficients of the strongly-coupled Quark Gluon Plasma (sQGP). Anisotropic flow measurements of identified particles play an essential role in such studies. We report on the results of the recent measurements of elliptic and triangular flow at RHIC energies and discuss them using different scaling relations for azimuthal anisotropy.

Primary author: Dr TARANENKO, Arkadiy (NRNU MEPhI)

Co-author: Mr PARFENOV, Petr (NRNU MEPhI)

Presenter: Dr TARANENKO, Arkadiy (NRNU MEPhI)

Session Classification: Modern problems in nuclear and elementary particle physics