

Scaling properties of anisotropic flow at Nuclotron-NICA energy range

Monday, 24 October 2022 15:30 (15 minutes)

A central goal of current relativistic heavy-ion experiments is to study the properties of the hot and dense QCD matter. Such studies provide better insight in 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 anisotropic flow using state-of-the-art models, provide detailed comparison with existing experimental data and discuss them using different scaling relations for azimuthal anisotropy.

Primary authors: PARFENOV, Peter (MEPhI, Moscow); TARANENKO, Arkadiy (NRNU MEPhI)

Presenter: PARFENOV, Peter (MEPhI, Moscow)

Session Classification: High Energy Physics

Track Classification: High Energy Physics