LXXI International conference "NUCLEUS –2021. Nuclear physics and elementary particle physics. Nuclear physics technologies"

Contribution ID: 197

Type: Oral report

## Study of the beam energy dependence of anisotropic flow in relativistic heavy ion collisions using scaling relations.

Monday 20 September 2021 14:50 (25 minutes)

Anisotropic flow measurements of produced particles in relativistic heavy-ion collisions play an essential role in the studies of transport properties of the strongly interacting metter. In this work we provide the results of the most comprehensive systematic study of the beam energy depen-

In this work we provide the results of the most comprehensive systematic study of the beam energy dependence of anisotropic flow based on existing data and discuss them using different scaling relationsfor azimuthal anisotropy.

Primary author: TARANENKO, Arkadiy (NRNU MEPhI)

Presenter: TARANENKO, Arkadiy (NRNU MEPhI)

**Session Classification:** Section 4. Relativistic nuclear physics, elementary particle physics and highenergy physics

**Track Classification:** Section 4. Relativistic nuclear physics, elementary particle physics and highenergy physics.