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Scaling properties of anisotropic flow at Nuclotron-NICA energies

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A central goal of current relativistic heavy-ion experiments is to study the properties of the hot and dense QCD matter. Anisotropic flow measurements of identified particles play an essential role in the constraining transport coefficients of the strongly-coupled Quark Gluon Plasma (sQGP) and studies providing better insight to the QGP phase diagram. 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 for energies that will be available at Nuclotron and NICA facilities.

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