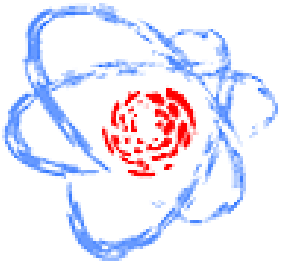

Contribution ID: **228** Type: **not specified**

Elliptic flow fluctuations at NICA energy regime

Friday 10 June 2022 13:45 (10 minutes)

The anisotropic flow, in particular the elliptic flow v2, is a key observable sensitive to the transport properties of the strongly interacting matter produced in relativistic heavy-ion collisions. In this work, we show the magnitude and the skewness of elliptic flow fluctuations in the framework of several models of relativistic heavy-ion collisions at NICA energy regime. The agreement of v2{4}/v2{2} cumulant ratio observed in the models supports the pattern that the elliptic flow fluctuations in the momentum space mainly originate from fluctuations of nucleons-participants in the coordinate space in the initial stages of relativistic heavy-ion collisions.

Summary

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Session Classification: Sectional talks