

Magnitude and skewness of elliptic flow fluctuations at NICA energies

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In this work, we exploit the cumulant ratios: $v_2\{4\}/v_2\{2\}$ and $v_2\{6\}/v_2\{4\}$ to study the magnitude and skewness of elliptic flow fluctuations in Au+Au collisions at NICA energies in the framework of several state-of-the-art models of relativistic heavy-ion collisions. The agreement of $v_2\{4\}/v_2\{2\}$ ratio for different models with different initial conditions supports the assumption that dominant contribution to the final elliptic flow fluctuations is the participant fluctuations in the initial geometry.

The speaker is a student or young scientist

Yes

Section

1. Intermediate and high energies, heavy ion collisions

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