Contribution ID: **261**   Type: **Poster**

Methods for centrality determination at the BM@N experiment

In heavy-ion collisions the produced strongly interacting matter whose evolution depends on the collision initial geometry, defined by centrality. Experimentally collisions can be characterized by the measured multiplicities or energy of produced particles and spectator fragments. The relation between collision geometry and experimental measured multiplicity is evaluated using the Monte-Carlo Glauber approach.

We will present the procedure for centrality determination using multiplicities of the produced particles in Xe+Cs(I) collisions at the BM@N experiment.

Section

Heavy ion collisions at Intermediate and high energies

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Session Classification: Poster session