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New approaches to measure centrality in the HADES heavy ion experiments

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The experimental determination of event centrality classes is one of the important tasks in studying the properties of strongly interacting matter.
New approaches for event centrality selection in nucleus-nucleus collisions based on the particles charge distributions measured with Forward Wall hodoscope at the HADES experiments will be discussed.
The comparison of experimental charge distribution in Ag + Ag collisions at an energy of 1.58 AGeV and in Au+Au at 1.23AGeV with corresponding charge distributions from the DCM-QGSM-SMM event generator will be presented.

Author: ZHEREBTSOVA, Elisaveta

Presenter: ZHEREBTSOVA, Elisaveta

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