Contribution ID: **150** Type: **Oral talk (15 min + 5 min questions)**

Development of event reconstruction methods in the heavy-ion program of the BM@N experiment

The **BM@N** (Baryonic Matter at the Nuclotron) is the first experiment on the **NICA** accelerator complex under construction at **JINR** (Dubna, Russia).
The main purpose of the experiment is to study the interaction of relativistic heavy ions with fixed targets.
Technical runs of the experiment took place in 2017-2018.
The first physical run on the **Xe** beam and **CsI** target is planned for the Autumn 2022.
At the moment there is an active phase of preparation for the experimental run.
The report presents methods under development for reconstruction of particle trajectories and event vertices in conditions of high multiplicity of primary tracks.
Methods for rejecting false hits are presented.

The speaker is a student or young scientist

No

Section

1. Intermediate and high energies, heavy ion collisions

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Session Classification: Intermediate and high energies, heavy ion collisions