

Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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Event simulation and reconstruction in the BM@N experiment

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The BM@N (Baryonic Matter at Nuclotron) is the first experiment to be realized at the accelerator complex of NICA-Nuclotron at JINR (Dubna, Russia). The aim of the experiment is to study interactions of relativistic heavy ion beams with a kinetic energy from 1 to 4.5 AGeV with fixed targets. Status of detector setup simulation is presented including geometry description and Monte-Carlo data digitization. The main stages of event reconstruction for the BM@N experiment are described in report. Some of experimental results are shown.

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