

New Trends in High-Energy Physics



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BM@N experiment at Nuclotron: status and first results

BM@N (Baryonic Matter at Nuclotron) is the first experiment to be realized at the accelerator complex of NICA-Nuclotron at JINR (Dubna). 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. The BM@N set-up at the starting phase of the experiment is introduced. First results of the analysis of minimum bias experimental data collected in the technical runs in interactions of the deuteron and carbon beams of 4 AGeV with different targets are presented.

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