

The BM@N experiment at JINR: status and physics program

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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 energy up to 5.5 AGeV with fixed targets. The research program of the experiment includes studies of strange mesons, multi-strange hyperons and light hyper-nuclei which are produced in nucleus-nucleus collisions close to the kinematic threshold. The BM@N set-up, the experimental program and first results of technical runs are presented.

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