

Welcome to NICA days 2017 in Warsaw



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Event reconstruction in the inner tracking system of 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. A reconstruction chain for the BM@N experiment is being developed in software department of the Laboratory of High Energy Physics of JINR. The chain includes stages of event reconstruction from binary RAW data into high-level event information (hits, tracks, etc).

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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