

GEM-based central tracking system at the BM@N experiment: status and plans.

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Baryonic Matter at Nuclotron (BM@N) is the fixed target experiment at the NICA accelerator complex. Detectors based on Gas Electron Multipliers (GEM) are used at the central tracking system, which is located inside the BM@N analyzing magnet. Central tracking system consists 14 GEM-detectors, with two different sizes of active area (163×45 cm² and 163×39 cm²), combined in the 7 detector planes. This talk is presents the results of system performance at first BM@N physics run at this winter, current status and future plans of our team.

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