

Study of the BM@N GEM/CSC tracking system performance

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BM@N (Baryonic Matter at the Nuclotron) is the fixed target experiment aimed to study nuclear matter in the relativistic heavy ion collisions at the Nuclotron accelerator in JINR. Detectors based on Gas Electron multipliers (GEM) have been identified as appropriate for the BM@N central tracking system, which is located inside the BM@N analyzing magnet. Cathode Strip Chamber (CSC) is installed outside the magnet to improve momentum resolution of the experimental setup. The structure of the GEM and CSC detectors and the results of study of their characteristics are presented. Both GEM and CSC detectors are integrated into the BM@N experimental setup and data acquisition system. Their performance at the last Nuclotron run is shortly reviewed.

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