

GEM tracking system of the BM@N experiment

Monday, 2 October 2017 15:10 (170)

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 tracking system, which is located inside the BM@N analyzing magnet. The structure of the GEM detectors and the results of study of their characteristics are presented. The GEM detectors are integrated into the BM@N experimental setup and data acquisition system. The performance of the GEM tracking system in the first technical run with the deuteron beam is shortly reviewed.

Primary author(s) : KULISH, Elena (JINR)

Co-author(s) : MAKANKIN, Alexander (JINR); MAKSYMCHUK, Anna (JINR); VASILIEV, Sergei (JINR)

Presenter(s) : KULISH, Elena (JINR)

Session Classification : Poster session and coffee&reception