

CSC for BM@N experiment

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The coordinate detector "Cathodic Strip Chamber"(CSC) is designed to refine the parameters of the track obtained by multilayer GEM detectors inside the analyzing magnet. In addition to improving impulse resolution, an updated track is needed to find the corresponding hit in the ToF400 flight system. The first prototype CSC was tested on the BM@N technical wound in the 55th session of the Nuclotron in 2018. Charge distributions are obtained, coordinate resolution and detector efficiency are estimated. The design of CSC detectors used in the BM@N experiment is described and the results of studies of their characteristics are presented.

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