

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

*Monday 30 October 2023 16:25 (15 minutes)*

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 ( $163 \times 45$  cm<sup>2</sup> and  $163 \times 39$  cm<sup>2</sup>), 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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**Session Classification:** High Energy Physics

**Track Classification:** High Energy Physics