## The 6th international conference on particle physics and astrophysics



Contribution ID: 36

Type : Oral talk

## Commissioning of the forward detectors of the BM@N experiment

Friday, 2 December 2022 12:00 (15)

The BM@N experiment is an ongoing fixed-target experiment launched on the extracted beam of the Nuclotron accelerator to study highly compressed nuclear matter. The forward detectors of the BM@N experiment are designed to determine the geometry of nucleus-nucleus collisions - the centrality and orientation of the reaction plane, as well as to measure the charge distributions of spectator fragments formed in nucleusnucleus interactions. The forward detectors - the FHCal hadron calorimeter, the beam quartz hodoscope and the scintillation wall will be used for the first time in the BM@N experiment. The results of the response testing of forward detectors during the SRC (Short Range Correlation) run with carbon beam will be presented.

 Primary author(s):
 KARPUSHKIN, Nikolay (INR RAS)

 Presenter(s):
 KARPUSHKIN, Nikolay (INR RAS)

Session Classification : Facilities and Advanced Detector Technologies

Track Classification : Facilities and advanced detector technologies