



Contribution ID: 37

Type: **Talk**

## Upgrade of the BM@N detector for studies of heavy ion interactions

*Tuesday, 31 August 2021 12:30 (30 minutes)*

In the next years the BM@N experiment at the Nuclotron at JINR in Dubna will carry out the physics program with heavy ion beams with energies up to 3.8 AGeV and intensities up to  $2 \cdot 10^6$  ions/s. The experiment is devoted to measure observables sensitive to the equation of state of dense baryonic matter. To meet this goal the existing BM@N set-up will be upgraded with fast hybrid tracking system, which includes beam tracking detectors, a large aperture silicon tracking system, GEM stations and cathode strip chambers. The measurement of the event plane and centrality will be achieved with a forward hadron calorimeter and granular hodoscopes. The physics program and configuration of the upgraded BM@N set-up will be presented.

### Is this abstract from experiment?

Yes

### Name of experiment and experimental site

BM@N <https://bmn.jinr.ru/>

### Is the speaker for that presentation defined?

Yes

### Details

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### Internet talk

Maybe

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