# 10th International Conference on New Frontiers in Physics (ICNFP 2021)



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# 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

Anna Maksymchuk Joint Institute for Nuclear Research http://www.jinr.ru/

### Internet talk

Maybe

**Primary authors:** VISHNEVSKIY, Alexandre (Joint Institute for Nuclear Research (JINR)); MAKSYMCHUK, Anna (Joint Institute for Nuclear Research (RU)); DEMENTEV, Dmitrii (JINR); GUBER, Fedor (Russian Academy of Sciences (RU)); SCHMIDT, Hans Rudolf (Eberhard-Karls-Universitaet Tuebingen (DE)); KAPISHIN, Mikhail (JINR, Dubna); ZAMYATIN, Nikolai (Joint Institute for Nuclear Research (RU)); SENGER, Peter (GSI); MURIN, Yuri (JINR)

Presenter: MAKSYMCHUK, Anna (Joint Institute for Nuclear Research (RU))

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