Contribution ID: **25** Type: **Talk**

The heavy-ion program of the BM@N Experiment at NICA

Tuesday, 31 August 2021 18:30 (30 minutes)

The QCD phase diagram in the region of large baryon-chemical potentials is increasingly attracting interest within the nuclear and astrophysics community. Heavy-ion collision experiments in the laboratory and astronomical observations complement each other, in order to explore the equation-of-state and the elementary degrees-of-freedom of high-density matter. Presently, the Baryonic Matter@Nuclotron (BM@N) experiment at JINR in Dubna is being upgraded in order to investigate Au+Au collisions at beam energies of up to 3.8A GeV, where matter densities like in compact stellar objects can be transiently created. The BM@N physics program including the relevant experimental observables and the expected performance of the detector system will be discussed.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

BM@N at NICA

Is the speaker for that presentation defined?

Yes

Details

Peter Senger

Internet talk

No

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Session Classification: Workshop on Physics at FAIR-NICA-SPS-BES/RHIC