

Current status of the MPD@NICA Project

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The Multi-Purpose Detector (MPD) is currently under construction in JINR, Dubna as part of the NICA Accelerator Complex. The MPD is designed to study the properties of the strongly interacting matter in the regime of maximum baryonic density expected to be reached in heavy-ion collisions at the center of mass energy of 4-11 GeV. The detector will operate in the collider mode and is equipped to measure various hadronic, leptonic and photonic signatures of the phase transition and critical point in a wide and uniform acceptance and dynamic range. In this talk, we review the current status of the MPD construction and the physical potential of the apparatus in the first years of its operation.

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