

Status of Forward Hadron Calorimeter at MPD/NICA

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Forward Hadron Calorimeter (FHCAL) is one of the basic detectors at MPD/NICA facility and intended for the measurement of the geometry of heavy nuclei collisions, namely, the centrality and the orientation of reaction plane. FHCAL is placed in the forward rapidity region to measure the energy of non-interacting nucleons (spectators) of colliding ions. It consists of two equivalent arms situated symmetrically respective the collision point. Each FHCAL part consists of 44 lead/scintillator sandwich modules with fine transverse and longitudinal segmentation. At present, one FHCAL arm is assembled and placed in pole of MPD solenoid magnet. We present the construction and expected performance of FHCAL. The most attention is devoted to the energy calibration of FHCAL modules with cosmic muons. A few approaches of calibration with different muon track geometries are discussed. The results of the energy calibration of FHCAL prototype are presented.

Primary authors: BARANOV, Alexander; STRIZHAK, Alexander (INR RAS)

Presenter: STRIZHAK, Alexander (INR RAS)

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