

## Study of radiation losses in Electromagnetic Calorimeter of MPD experiment

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The Multi-Purpose Detector (MPD) is one of the experiments of the NICA collider in Dubna. The construction of MPD consists of many detectors and components for study of quark-gluon plasma. The main purpose of Electromagnetic Calorimeter (EMC) is to measure the coordinates and energy of electrons, positrons and photons generated in heavy ion collisions. Due to its high temporal resolution, the calorimeter can play an important role in particle identification and serve to measure the total energy flux, therefore it is important to study radiation losses and material budget of Electromagnetic Calorimeter.

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