

Studies of the Electromagnetic Calorimeter with projective geometry for the MPD/NICA

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In the MPDRoot, projective geometry of the Electromagnetic Calorimeter had been developed, also specific classes had been prepared. Using this package, characteristics of the detector had been studied by Monte Carlo methods. We obtained information about energy and spatial resolution as well as registration effectivity for the different clusterisation procedures. In the August few detector modules had been tested using electron beam in DESY - modules developed in China for the central part of the ECal and modules developed in the JINR, located far from the vertex. Energy scan for those modules was carried out to estimate detector linearity. Both results - of the simulations and real data will be presented.

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