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Study of acceptance of ECal detector of the HADES experiment

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HADES is a large acceptance spectrometer operating at SIS18, GSI, Germany. It is aimed at exploration of QCD phase diagram at the ion beam energies of 1-2 AGeV in the region of high hadron densities. HADES setup includes a superconducting toroidal magnet, sets of drift chambers, ring-imaging Cherenkov detector, TOF systems and a new electromagnetic calorimeter (ECAL).
The Ecal detector covers almost full azimutal angle and range of polar angles $12^{\circ} < \theta < 45^{\circ}$. In order to extract yield of $\pi 0$ mesons through its $\pi 0 \longrightarrow \gamma\gamma$ decay the acceptance corrections are needed. This talk is devoted to the procedure of determination of acceptance of the ECal detector.

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