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MIP calibration of technological prototype of CALICE highly granular analogue hadron calorimeter

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Abstract:

The technological prototype of CALICE highly granular analogue hadron calorimeter for future experiments with lepton colliders was tested using electron beams from DESY accelerator facility. The active layers of the prototype are assembled from 3x3x0.3 cmˆ3 scintillator tiles with silicon photomultiplier readout. The response of individual tiles to minimum ionising particles was measured using a stack of active layers without absorber. We describe the procedure of MIP calibration and present the results obtained during 2016 test beam campaign.

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