

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

*Wednesday, 12 October 2016 17:45 (15)*

Authors: Dmitrii Nikolaev and Marina Chadeeva

Presenter: Dmitrii Nikolaev

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  $3 \times 3 \times 0.3 \text{ cm}^3$  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.

**Primary author(s)** : Mr. NIKOLAEV, Dmitrii (MIPT/MEPhI)

**Co-author(s)** : Dr. CHADEEVA, Marina (ITEP, MEPhI)

**Presenter(s)** : Mr. NIKOLAEV, Dmitrii (MIPT/MEPhI)

**Session Classification** : Methods of experimental physics - parallel III

**Track Classification** : Methods of experimental physics