

# STUDY OF SiPMs FOR CALORIMETRY APPLICATIONS

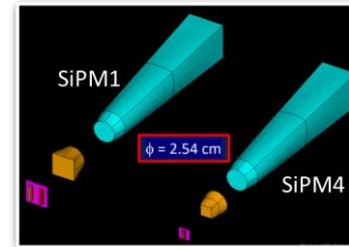
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This study is aimed to evaluate the compatibility of SiPM readout of an electromagnetic calorimeter, and the possible capability of SiPMs to improve the detector performance over standard PMT readout.

## THE EXPERIMENTAL SET-UP

A piece of a lead-scintillating-fiber calorimeter is connected through light-guides to PMTs at one edge. Similar light-guides are used to connect SiPMs at the other side, testing different configuration of adapters for the guides.



- Each SiPM channel is calibrated by low-voltage regulation, using self trigger rate. The SiPMs photoelectron spectrum show enough stability in the light yields.
- The SiPM efficiency has been studied using an external trigger and cosmic rays, first preliminary results are presented.

