

# Design of a Large Scale Prototype for a SiW Electromagnetic Calorimeter for the ILC - EUDET Module

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## Please give a brief summary of your poster

The CALICE collaboration is preparing large scale prototypes for highly granular calorimeters for detectors to be operated at the International Linear Collider, ILC. During the years 2009-2011 a prototype of a SiW electromagnetic calorimeter will be assembled which in terms of dimensions and layout meets already most of the requirements given by the ILC Physics Program and hence the detector design. In particular the Very Front End electronics will have to fit within alveolar layers with less than 1\,cm in height. In this contribution the design of the prototype is presented and the steps towards the realisation will be presented. First results on thermal dissipation and mechanical stress the module will suffer from can be reported. These results have been obtained with a first version of the module during spring 2009.

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