

# Cooling system R&D and end-caps geometry

*Thursday, 5 October 2017 14:00 (20 minutes)*

The ILD silicon-tungsten electromagnetic calorimeter (ILD Si-W ECAL) is a sampling calorimeter with tungsten absorber and highly segmented silicon layers to achieve precise jet energy measurements by particle flow concept. In this context, the LPSC-Grenoble is involved in the R&D activities in order to design an electromagnetic calorimeter for the International Large Detector (ILD). Our developments focus on the design of the fastening and cooling systems. And a particular effort has been made to the design of the mechanics, the tooling and integration of the end-caps.

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**Session Classification:** Mechanics & services