

# Air cooling and mechanical support of a CLIC Vertex Detector

*Tuesday, 24 April 2012 15:00 (30 minutes)*

The talk describes the engineering approach of an air cooling system for the Pixel and Tracker detectors. It will address the individual problems of mechanical support, air flow and cabling and how they are linked together. Computational fluid dynamic analysis show the resulting necessary air velocities and the temperatures in the different detector parts.

**Primary author:** GERWIG, Hubert (CERN)

**Presenter:** GERWIG, Hubert (CERN)

**Session Classification:** ACFA Trackers