

## **Performance of CMS ECAL with first LHC data**

*Wednesday, 17 February 2010 14:50 (25 minutes)*

In the CMS experiment at the CERN LHC, the high resolution Electromagnetic Calorimeter (ECAL), consisting of 75848 lead tungstate crystals and a silicon/lead preshower, will play a crucial role in the physics program. In preparation for the data taking, a detailed procedure was followed to commission the ECAL readout and trigger, and to pre-calibrate, with test beam and cosmic ray data, each channel of the calorimeter to a precision of 2% or less in the central region. The first LHC collisions will be used to complete the detector commissioning and to provide the first in-situ calibration. In this talk the CMS ECAL status and performance with the first collisions delivered from LHC will be reviewed.

**Presenter:** FRANZONI, Giovanni (University of Minnesota)

**Session Classification:** Semiconductor Detectors 3