

Detector Control System for the Electromagnetic calorimeter in CMS Experiment

Thursday, 24 September 2009 16:55 (20 minutes)

The challenging constraints on the design of the Electromagnetic Calorimeter (ECAL) of the Compact Muon Solenoid (CMS) experiment, such as rigorous temperature and voltage stability, imposed the development of a complex Detector Control System (DCS). In this paper the final layout and functionality of the CMS ECAL DCS are presented and the operational experience during the detector's commissioning and cosmic runs is discussed.

Primary author: Mr DA SILVA DI CALAFIORI, Diogo Raphael (ETH Zurich)

Co-authors: Mr INYAKIN, Alexander (University of Minnesota); Ms BRETT, Angela (Fermi National Accelerator Lab.); Mr JOVANOVIĆ, Dragoslav (Vinca Institute of Nuclear Sciences / Faculty of Physics); Mr DI MARCO, Emanuele (Rome University La Sapienza); Mrs CAVALLARI, Francesca (INFN Roma); Mr LESHEV, Georgi (UW-Madison/PD, Madison, Wisconsin); Prof. DISSERTORI, Guenther (ETH Zurich); Mr PUZOVIĆ, Jovan (Vinca Institute of Nuclear Sciences / Faculty of Physics); Mr ADŽIĆ, Peter (Vinca Institute of Nuclear Sciences); Mr MILENOVIĆ, Predrag (ETH Zurich / Vinca Institute of Nuclear Sciences); Mr GOMEZ-REINO, Robert (CERN); Mr ZELEPUKIN, Serguei (UW-Madison/PD, Madison, Wisconsin); Mr PUNZ, Thomas (ETH Zurich); Mr PONS, Xavier (CERN)

Presenter: LESHEV, Georgi (Labor für Hochenergiephysik)

Session Classification: POSTERS SESSION

Track Classification: Systems, installation and commissioning