



Contribution ID: 310

Type: **Oral**

Performance and upgrade plans for the CMS detector

Monday, 21 May 2012 10:25 (20 minutes)

Over the last year the CMS experiment at the CERN Large Hadron Collider has been collecting data for an integrated luminosity exceeding 5 inverse femtobarn at 7 TeV center of mass energy. The detector has shown excellent performance, with very good data taking efficiency since the very beginning. The operational experience during 2011 data taking will be discussed, focusing on relevant technical aspects. Global CMS performance will be illustrated, including some examples taken from subdetectors performances. New challenges dictated by the luminosity increase are ahead of CMS in the future. A general overview of the upgrade plans to cope with new luminosity scenarios will be given, on both medium and long term range.

for the collaboration

CMS

Presenter: MESCHINI, Marco (INFN - Firenze)**Session Classification:** New Detector Systems and Upgrades**Track Classification:** S1 - New Detector Systems and Upgrades