

21st International Conference on Computing in High Energy and Nuclear Physics (CHEP2015)



Contribution ID: 60

Type: poster presentation

Automated workflows for critical time-dependent calibrations at the CMS experiment.

Fast and efficient methods for the calibration and the alignment of the detector are a key asset to exploit the physics potential of the Compact Muon Solenoid (CMS) detector and to ensure timely preparation of results for conferences and publications.

To achieve this goal, the CMS experiment has set up a powerful framework. This includes automated workflows in the context of a prompt calibration concept, which allows for a quick turnaround of the calibration process following as fast as possible any change in running conditions.

The presentation will review the design and operational experience of these workflows and the related monitoring system during the LHC RunI and focus on the development, deployment and commissioning in preparation of RunII.

Primary author: CERMINARA, Gianluca (CERN)

Presenter: CERMINARA, Gianluca (CERN)

Track Classification: Track2: Offline software