



ID de Contribution: 34

Type: **Talk**

Layer intercalibration of the ATLAS electromagnetic calorimeter

lundi 28 mai 2018 11:45 (20 minutes)

The ATLAS electromagnetic calorimeter allows for a precise measurement of electron and photon energy produced during collisions at the LHC. To get an accurate measurement, the reconstructed energy is calibrated over several steps. One of these steps is the inter-calibration of the 3 layers of the calorimeter to correct for electronic cross-talk among cells and possible residual miscalibrations of the electronics.

The work presented here shows the results of the layer inter-calibration using the 2015 and 2016 datasets, as well as the techniques developed to mitigate the impact of multiple interactions occurring during proton-proton collisions at the LHC.

Auteur principal: M. LAUDRAIN, Antoine (LAL-ATLAS)

Orateur: M. LAUDRAIN, Antoine (LAL-ATLAS)

Classification de Session: Hadronic and Particle Physics - 1