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Performance of the reconstruction, calibration and identification of electrons and photons with the ATLAS detector (12' + 3')

Saturday 6 August 2016 11:30 (15 minutes)

The performance of the reconstruction, calibration and identification of electrons and photons with the ATLAS detector at the LHC is a key component to realize the ATLAS full physics potential, both in the searches for new physics and in precision measurements.
The algorithms used for the reconstruction and identification of electrons and photons with the ATLAS detector during LHC run 2 are presented. Measurements of the identification efficiencies are derived from data. The results from the 2015 pp collision data set at sqrt(s)=13 TeV are reported. The electron and photon energy calibration procedure and its performance are also discussed.

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Session Classification: Detector: R&D and Performance

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