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CMS ECAL monitoring and calibration in LHC Run 2

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Precise calibration and monitoring of the CMS electromagnetic calorimeter (ECAL) is a key ingredient in achieving the excellent ECAL performance required by many physics analyses employing electrons and photons. This presentation describes the methods used to monitor and inter-calibrate the ECAL response, using physics channels such as W/Z boson decays to electrons and π^0/η decays to photon pairs, and also exploiting the azimuthal symmetry of the minimum bias events. Results of the calibrations obtained with Run 2 data are reported.

Secondary topics

Applications

Experience with current calorimeter at the energy frontier

Primary topic

Crystals

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