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Jet Energy Calibrations at CMS experiment with 13 TeV collisions

We present Jet Energy Calibration (JEC) measurements, based on a data sample collected in proton-proton collisions at a center-of-mass energy of 13 TeV recorded by the CMS experiment at the LHC Run 2. The calibration is extracted from data and simulated events and employs combination of several channels and methods. It accounts successively for the effects of pileup, simulated jet response, and residual Jet Energy Scale eta and p_T dependences. The residual corrections employ in-situ calibration samples of dijet, photon+jet, Z+jet and multijet events. Several techniques are used to account for the various sources of JES corrections and their uncertainties.

Experimental Collaboration

CMS

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