

Jet Energy Scale and Resolution Measurements at CMS

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We present measurements of CMS jet energy scale (JES) and resolutions, based on a data sample collected in proton-proton collisions at a center-of-mass energy of 13 TeV. The corrections, extracted from data and simulated events using the combination of several channels and methods, account successively for the effects of pileup, simulated jet response, and residual JES eta and pT dependences. The jet energy resolution is measured in data and simulated events, where it is studied as a function of pileup and jet pT and eta. The studies exploit events with dijet topology, photon+jet, Z+jet and multijet events.

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