



Contribution ID: 55

Type: **Presentation**

Jet Energy Scale and Resolution Measurements at CMS

Wednesday, 2 August 2017 14:39 (18 minutes)

We present measurements of CMS jet energy scale (JES) corrections, based on a data sample collected in proton-proton collisions at a center-of-mass energy of 13 TeV. The corrections are extracted from the data and simulated events using a combination of several physics channels and methods, and these successively account for the effects of pileup, dependencies of response of jets on transverse momenta and pseudorapidity, and differences in response measured in data and MC. The jet energy resolution is measured in data and simulated events, and it is studied as a function of pileup. The studies exploit the events with dijet topology, photon+jets, Z+jets and multijet events.

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Session Classification: QCD

Track Classification: QCD