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The ATLAS JetEtmiss Energy Scale Calibration and Uncertainties

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The measurement of the jet energy scale using data from $\sqrt{s} = 13$ TeV collisions is presented. A sequence of MonteCarlo based calibrations restore jets to the particle scale and use jet properties to significantly improve the jet resolution. A combination of measurements using Z+jet, gamma+jet, and multijet events is used to calibrate jets in data and to measure systematic uncertainties. A 5% data/MC difference is observed, and corrected for, at low p_T . Uncertainties are as low as 1% at p_T^{jet} of 200 GeV, and for the first time insitu measurements are extended to 2 TeV. More data from the 2016 run is expected to further reduce uncertainties and improve the results.

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