

Abstract Submitted  
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**Calibrating Momentum Measurements Of The CMS Detector Using Cosmic Ray Muons** SHAWN ZALESKI, Wayne State Univ — We report results on the muon momentum calibration using cosmic-ray data taken by the Compact Muon Solenoid (CMS) experiment during run 2 at the Large Hadron Collider (LHC). The momentum scale of high-pT muons is sensitive to a possible bias on the curvature coming from the alignment of the muon system. Cosmic rays are a source of high-pT muons that can be used to measure the momentum scale of muons with  $pT > 200$  GeV. The present talk describes the method used to measure the momentum scale from cosmic data and the measurement using the 2016 cosmic data is presented.

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