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Measurement of the Muon Charge Asymmetry from W Bosons Produced in pp Collisions at a center-of-mass energy of 7 TeV SAMIR GURAGAIN, Purdue University Calumet, CMS COLLABORATION — We present a measurement of the muon charge asymmetry from W Boson produced in proton-proton collisions at a center-of-mass energy of 7 TeV with the CMS detector at the LHC. The asymmetry is measured in the W Boson to muon decay channel as a function of the muon pseudorapidity using data collected in 2010 and 2011 from the CMS detector. The result is compared against predictions from different parton distribution functions.

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