

Measurements of Drell-Yan differential cross sections at the LHC and W Charge Asymmetry in pp collisions at 7 TeV with the CMS detector

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Measurements of inclusive W, Z and Drell Yan production cross sections and the W lepton charge asymmetry in pp collisions at 7 TeV center-of-mass energy, based on data recorded by the CMS detector at the LHC in 2010 and 2011 are presented. The measurements are performed in the electron and muon channels. The charge asymmetry measurements cover the central region up to 2.4 in lepton pseudo rapidity. These results can be used to constrain the parton densities for valence quarks and sea anti quarks

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