**Dijet events with large rapidity separation in proton-proton collisions at √s = 2.76 TeV with CMS detector**

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The new search for Balitsky-Fa­din-Kuraev-Lipatov (BFKL) evolution effects is performed at the Large Hadron Collider by the Compact Muon Solenoid experiment. The cross sections for inclusive and Mueller-Navelet dijet production are measured as a function of the rapidity separation between the jets in proton-proton collisions at √s = 2.76 TeV for jets with transverse momentum pT > 35 GeV and rapidity |y| < 4.7. Various dijet production cross section ratios are also measured. A veto on additional jets with pT > 20GeV is introduced to improve the sensitivity to the BFKL evolution. The measurement is compared with the predictions of various Monte Carlo models based on leading-order and next-to-leading-order calculations including the Dokshitzer-Gribov-Lipatov-Altarelli-Parisi leading-logarithm (LL) parton shower as well as the LL BFKL resummation.