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Dijet physics with the CMS detector at LHC

We present preliminary results from the CMS experiment for various dijet distributions in proton-proton collisions at a center-of-mass energy of 7 TeV. Early measurements of the dijet mass spectra, centrality ratio, azimuthal decorrelation and angular distribution will be shown. Sensitivity of the phenomenological parameters used to model the initial and final-state radiation in PYTHIA is also investigated. Prospects for observing evidence for new physics in these distributions will also be presented.

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Track Classification: 03 - Perturbative QCD, Jets and Diffractive Physics