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Hard QCD results from CMS (25'+5')

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CMS is pursuing a rich program of hard QCD physics. Jet and photon cross section measurements are reported on inclusive and di-object production, as well as ratios of 3/2 jet and photon+jet cross sections. The QCD multi-jet dynamics is studied with event-shape variables, dijet azimuthal decorrelation and dijet angular distributions. Inclusive forward jet production and associated production of forward and central jets have been measured as function of jet transverse momentum. The experimental results are compared to the pQCD calculations as well as various Monte Carlo generators.

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