



LHC Seminar

SPEAKER: Konstantinos Kousouris (CERN)
TITLE: **QCD measurements with the CMS detector**
DATE: Tue 08/11/2011 11:00
PLACE: Main Auditorium

ABSTRACT

In the first year of LHC data taking, CMS pursued a rich program of QCD physics. In the low-pt front, results on momentum-, pseudorapidity- and multiplicity distributions of charged and strange hadrons, underlying event observables, two particle rapidity correlations and Bose-Einstein correlations are presented. In the high-pt front, jet and photon cross-section measurements are reported on inclusive and di-object production, as well as ratios of 3/2 jet cross sections. Finally, the QCD multi-jet dynamics is explored with event-shapes variables, dijet azimuthal decorrelations and dijet angular distributions