

Top stories at 7 and 8 TeV

Dr. Markus Cristinziani

Physikalisches Institut, Universität Bonn

Millions of top quarks have been produced in proton-proton collisions at 7 and 8 TeV center-of-mass energy at the Large Hadron Collider and measured by the ATLAS and CMS detectors. Detailed results on total and differential top-quark pair cross-section, single-top quarks and properties of the top quarks have been obtained, including top quark mass, spin correlations or charge asymmetry. Top quark reconstruction is recently also used in associated Higgs production or in searches for new physics beyond the Standard Model. In this presentation a selection of recent results from ATLAS and CMS on top quark physics will be presented and discussed.