



Contribution ID: 109

Type: not specified

Top quark mass and properties measurements with CMS

Thursday 7 June 2012 16:10 (20 minutes)

We present measurements of the top quark mass and other properties, obtained from CMS data collected in 2010-2011 at a centre-of-mass energy of 7 TeV. The mass of the top quark is measured using several methods. We use the lepton+jets and the dilepton decay channels. The results are combined. Top pair production cross section measurements are used to place an indirect constraint on the top quark mass through the predicted dependence of the cross section on the mass. Further results include measurements of top quark charge, the W helicity in top decays and search for anomalous couplings.

E-mail Address

michael.maes@cern.ch

Collaboration Name
Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration

CMS Collaboration

Primary author: MAES, Michael (Inter-University Institute for High Energies (BE))

Presenter: MAES, Michael (Inter-University Institute for High Energies (BE))

Session Classification: 4E: (Parallel) Top