



Contribution ID: 107

Type: not specified

Top quark cross section measurements with CMS

Thursday, 7 June 2012 15:10 (20 minutes)

Measurement of the top quark pair and single top production cross section at 7TeV are presented, using CMS data collected in 2010 and 2011. The $t\bar{t}$ inclusive cross section are measured in fully hadronic, dileptonic (including tau lepton) and tau plus jets final states. Differential cross section of the $t\bar{t}$ cross section production and the top quark pairs charge asymmetry are presented as well. The results are combined and confronted with precise theory calculation. The measure of the top pairs invariant mass distribution are used to search for new particle decaying to top pairs

E-mail Address

Cristina.Ferro@cern.ch

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

CMS collaboration

Primary author: FERRO, Cristina (Institut Pluridisciplinaire Hubert Curien (FR))

Presenter: FERRO, Cristina (Institut Pluridisciplinaire Hubert Curien (FR))

Session Classification: 4E: (Parallel) Top