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Top quark mass and other properties measurements with CMS (15' + 5')

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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, as well as the dilepton and the fully hadronic 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 the W helicity in top decays and search for anomalous couplings.

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