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Measurements of the top-quark properties in the production and decays of ttbar events at CMS

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Measurements of several top-quark properties are presented, obtained from the CMS data collected at various centre-of-mass energies. The results include measurements of the top pair charge asymmetry, the W helicity in top decays, the top quark charge, the ttbar spin correlation, of the top polarisation and the search for anomalous couplings. The results are compared with predictions from the standard model as well as new physics models. The cross section of ttbar events produced in association with a W, Z boson or a photon is also measured.

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