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Single top quark production with CMS

Measurements of single top quark production are presented, performed using CMS data collected in 2012 at centre-of-mass energies of 8 TeV. The cross sections for the electroweak production of single top quarks in the t-channel and in association with W-bosons is measured and the results are used to place constraints on the CKM matrix element V_{tb} . Measurements of top quark properties in single top quark production are also presented. The results include the W-helicity in top quark decay and the search for anomalous couplings.

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