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Search for FCNC in top pair events in pp collisions (CMS)

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A search for flavor changing neutral currents in top quark decays is presented using a sample of top quark pair event candidates decaying via Wb and Zq into $l\nu b$ and lq events. The search is performed at the CMS experiment at the LHC, using a data sample recorded in proton-proton collisions at a center-of-mass energy of 7 TeV. The observed number of events agrees with the standard model prediction, and no evidence of flavor changing neutral currents in top decays is found.

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