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Search for Top Quark Flavour-changing Neutral-current Decays at 8 TeV

We present a search for top quark flavor-changing neutral-current (FCNC) decays by the CMS Experiment. The data correspond to an integrated luminosity of 19.5 fb^{-1} collected in proton proton collisions at the LHC at a centre-of-mass energy $\sqrt{s} = 8 \text{ TeV}$. The analysis uses background estimation techniques that are improved with respect to previous measurements. An upper limit for the branching fraction is determined.

Primary author: JEITLER, Manfred (Austrian Academy of Sciences (AT))

Presenter: CHAO, Yuan

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