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Search for flavor changing neutral currents in decays of top quarks

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We present a search for flavor changing neutral currents in decays of top quarks. The analysis is based on a search for $t\bar{t} \rightarrow \ell'\nu\ell\bar{\ell} + \text{jets}$ ($\ell, \ell' = e, \mu$) final states using 4.1 fb^{-1} of integrated luminosity of $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. We extract limits on the branching ratio $B(t \rightarrow Zq)$ ($q = u, c$ quarks), assuming anomalous tuZ or tcZ couplings. We do not observe any sign of such anomalous coupling and set a limit of $B < 3.2\%$ at 95% C.L.

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