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Search for Vector-like Top Quarks in di-Leptons

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We present a search for the pair-production of a vector-like top quark partner T of charge $+2/3$, using proton-proton collision data at $\sqrt{s}=13$ TeV collected by the CMS Experiment in 2016 at the CERN LHC. Our search targets T quarks decays to final states with two light charged leptons, b -jets, and multiple light flavored jets. Both same-sign and opposite sign di-lepton channels are considered.

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