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Search for New Physics in Top-like Final States

We present searches for massive top and bottom quark partners at CMS using data collected at $\sqrt{s}=7$ and 8 TeV. Such partners can be seen in 4th generation models, or can be found in models predicting vector-like quarks to solve the Hierarchy problem and stabilize the Higgs mass. Other searches focus on excited states of composite heavy objects that decay to top quarks and jets. The searches span a range of final states, from multi-leptonic to entirely hadronic, and limits are set on mass and production cross sections as a function of branching ratios.

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