

Search for vector-like quarks (T') with the CMS Detector.

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Vector like quarks (VLQs) are hypothetical spin-1/2 particles of the fourth generation that have left- and right-handed components. They are postulated to solve the hierarchy problem and stabilize the Higgs mass, while escaping constraints on the Higgs cross section measurement. The poster will present of the current status of the search for VLQs (T') decaying to a top quark and a Higgs boson at the CMS experiment at the LHC. We will also discuss how jet substructure techniques can be used to identify the decays of top quarks and the Higgs bosons.

I read the instructions

Secondary track (number)

01

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