

Search for Vector Like Quarks in the decay channel to top and Higgs boson with the CMS experiment

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A search for vector like quarks (VLQ) using the Run 2 data collected by the CMS experiment is presented. The VLQs are searched in the decay channel into a top quarks and a Higgs boson, in which the Higgs boson further decays into WW. The channel with two leptons of same sign is studied, as it suppresses considerably the standard model background. First results on distributions to discriminate the signal from the background will be shown.