

Abstract Submitted
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Background estimation methods and exclusion limits for scalar top-quark production with top quark tagging in the all-hadronic channel at 13 TeV with the CMS detector HUA WEI, Univ of California - Riverside, CMS COLLABORATION — Discussed will be estimations of the Z to NuNu and QCD backgrounds with in the search for supersymmetry in all-hadronic events with missing transverse momentum using top quark tagging. This will be done for the 2016 proton-proton running period at a center-of-mass energy of 13 TeV with the CMS detector at the LHC. The exclusion limits are set on the masses of potential new particles in the context of three simplified models, T1tttt, T2tt and T5ttcc.

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