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Search for SUSY with a customized top tagger with the CMS experiment

We present searches for supersymmetry in the all-hadronic final state using a customized top tagger. The focus of the studies is on the direct pair production of third-generation squarks. The analysis is performed using the data set recorded by the CMS experiment at the LHC in pp collisions at a center-of-mass energies of 13 TeV, with an integrated luminosity of 35.9 1/fb. The results are interpreted in several simplified models with top quark jets in the final state.

Experimental Collaboration

Presenter: WEI, Hua (University of California Riverside (US))

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