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Search for Supersymmetry in Dilepton Final States with energetic Two-jets in Vector Boson Fusion-like Topology Using the CMS Detector at the LHC[1] ALI CELIK, Texas A&M University, CMS COLLABORATION — A search of supersymmetry using Vector Boson Fusion tagged jets is presented using 20 fb^{-1} of data from proton-proton collisions at center of mass energy of 8 TeV, collected by the CMS detector in 2012. Final states containing at least two leptons are expected in pair production of charginos and neutralinos. The number of observed events is consistent with the Standard Model expectation. Limits on production and chargino mass at 95% confidence level are set. The results are complementary to other searches through its direction production.

[1]For the CMS Collaboration

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