



Contribution ID: 7

Type: Parallel talk

## **Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV**

*Wednesday 5 December 2018 11:30 (20 minutes)*

A search for supersymmetric particles produced in the vector-boson fusion topology is presented. The search targets final states with one or zero leptons, large missing transverse momentum (transverse missing momentum), and two jets with a large separation in rapidity. The data sample corresponds to an integrated luminosity of 35.9 /fb of proton-proton collisions at  $\sqrt{s} = 13$  TeV collected with the CMS detector during 2016 at the CERN LHC.

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