



Contribution ID: 41

Type: **Non-Invited Talk**

CMS searches for pair production of charginos and top squarks in final states with two oppositely charged leptons

Wednesday 28 November 2018 14:50 (25 minutes)

A search for pair production of supersymmetric particles in events with two oppositely charged leptons and missing transverse momentum is reported. The data sample corresponds to an integrated luminosity of 35.9/fb of proton-proton collisions at 13 TeV collected with the CMS detector during the 2016 data taking period at the LHC. No significant deviation is observed from the predicted standard model background. The results are interpreted in terms of several simplified models for chargino and top squark pair production, assuming R-parity conservation and with the neutralino as the lightest supersymmetric particle.

Content of the contribution

Experiment

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Session Classification: Supersymmetry

Track Classification: [6] Supersymmetry