



Contribution ID: 62

Type: Oral Presentation

Supersymmetry searches in all-hadronic channel

Tuesday, June 6, 2017 2:30 PM (15 minutes)

Presenting on searches for the direct production of top squarks in events with multiple jets and large missing transverse energy, using 35.9 fb^{-1} of data collected by the CMS detector in 2016 at a center-of-mass energy of 13 TeV. Events are categorized into exclusive search regions optimized for different signal topologies. Discussing analysis that use multi variant techniques to identify tops and w's. Exclusion limits are set in the context of simplified models of top squark pair production under different decay hypotheses.

Primary author: Dr NORBERG, Scarlet (university of puerto rico mayaguez)

Presenter: Dr NORBERG, Scarlet (university of puerto rico mayaguez)

Session Classification: Collider Physics