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## CMS SUSY Searches

*Monday, 7 September 2020 13:05 (25 minutes)*

We summarize the recent results from CMS searches for supersymmetric particles for Run 2 at CM energy of 13 TeV. Strong and weak production of SUSY scenarios in both R-parity conserving and R-parity violating supersymmetric scenarios are considered. Results are presented for the recent searches for squark and gluinos, direct production of charginos, neutralinos and sleptons. These searches involve final state objects reconstructed using the data collections at CMS which include jets, missing transverse momentum, electrons or muons, taus or photons, as well as long-lived particle signatures. The data in these searches are analyzed and found to be consistent with the standard model predictions and no significant excess is observed. Therefore, upper limits have been set on the masses of supersymmetric particles from the variety of search channels.

### Is this abstract from experiment?

Yes

### Is the speaker for that presentation defined?

Yes

### Name of experiment and experimental site

CMS, CERN

### Internet talk

Yes

### Details

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