



Contribution ID: 31

Type: **Parallel talks**

## Searches for compressed SUSY scenarios with the CMS experiment

*Friday 21 July 2023 14:20 (20 minutes)*

Results from the CMS experiment are presented for supersymmetry searches targeting so-called compressed spectra, with small mass splittings between the different supersymmetric partners. Such a spectrum presents unique experimental challenges. This talk describes the new techniques utilized by CMS to address such difficult scenarios. The searches use proton-proton collision data at the center of mass energy of 13 TeV collected during the LHC Run 2.

**Primary author:** LOUIS BEIN, Samuel

**Presenter:** LOUIS BEIN, Samuel

**Session Classification:** SUSY: Phenomenology and Experiment

**Track Classification:** SUSY: Phenomenology and Experiment