



Contribution ID: 202

Type: **Parallel Talk**

Searches for compressed SUSY scenarios with the CMS experiment

Thursday, 7 July 2022 18:15 (15 minutes)

Results from the CMS experiment are presented for supersymmetry searches targeting so-called compressed spectra. Those have 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 with luminosity up to 138 fb⁻¹ at the center of mass energy of 13 TeV collected during the LHC Run 2.

In-person participation

Yes

Primary author: FLOWERS, Zachary (University of Kansas)**Presenter:** FLOWERS, Zachary (University of Kansas)**Session Classification:** Beyond the Standard Model**Track Classification:** Beyond the Standard Model