



Contribution ID: 233

Type: **not specified**

## Searches for new physics in the dilepton channel with the CMS detector at the LHC

*Friday, 10 June 2022 13:15 (10 minutes)*

The search for new neutral gauge bosons decaying to a dilepton final state spectra has been performed using data obtained in Run 2 in 2016-2018 in proton-proton collisions at  $\sqrt{s}=13$  TeV with the CMS experiment at the LHC. The data correspond to integrated luminosity of  $140 \text{ fb}^{-1}$ . The results are in good agreement with the predictions of the standard model. Limits on the production cross section and masses of new narrow signals have been set.

### Summary

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**Session Classification:** Sectional talks