

# Searches for New Resonances in CMS

*Saturday 20 July 2024 08:30 (17 minutes)*

The quest for new physics is a major aspect of the CMS experimental program. This includes a myriad of theoretical models involving resonances that can decay to massive bosons, photons, leptons or jets. This talk presents an overview of such analyses with an emphasis on new results and the novel techniques developed by the CMS collaboration to boost the search sensitivity. The searches are carried out with the full luminosity of the Run-II of the LHC in proton-proton collisions at  $\sqrt{s} = 13$  TeV with the CMS detector.

## Alternate track

### I read the instructions above

Yes

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