



Contribution ID: 421

Type: **Parallel**

Searches for New Resonances in CMS

Tuesday 8 July 2025 08:45 (15 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 data of the Run-II and Run-III of the LHC in proton-proton collisions with the CMS detector.

Secondary track

Authors: COLLABORATION, CMS; ZISOPOULOS, Ilias (National and Kapodistrian University of Athens)

Presenter: ZISOPOULOS, Ilias (National and Kapodistrian University of Athens)

Session Classification: T09

Track Classification: T09 - Beyond the Standard Model