

Phenomenology 2018 Symposium



Contribution ID: 543

Type: not specified

Searches for new heavy resonances in final states with leptons, photons, and jets at CMS

Monday 7 May 2018 17:15 (15 minutes)

Numerous new physics models, e.g., theories with extra dimensions and various gauge-group extensions of the standard model, predict the existence of new heavy resonances. Results of searches for new particles such as heavy bosons, leptoquarks, heavy neutrinos in final states with leptons, photons and jets are presented. The emphasis is given to the recent results obtained using data collected at Run-II of the LHC.

Summary

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Session Classification: BSM II