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Searches for new heavy resonances in final states with leptons and photons

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Numerous new physics models, e.g., theories with extra dimensions and various gauge-group extensions of the standard model, predict the existence of new particles decaying to leptons and photons. This talk presents CMS searches for new resonances in the dilepton, lepton+MET, diphoton, and other final states that include leptons and photons, focusing on the recent results obtained using data collected during the 2016 run.

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