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

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Many new physics models beyond the Standard Model predict the existence of narrow or broad resonances decaying to a pair of quarks/gluons, leptons, or photons. At the LHC, the production of heavy resonances decaying into a pair of particles can be probed at unprecedented centre-of-mass energies. This talk presents CMS searches for new resonances in the dilepton, 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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