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Searches for supersymmetry in final states with photons in CMS

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Results of searches for supersymmetry in events with one or more isolated photons are reported, based on a data set of pp collisions at $\sqrt{s}=13\text{TeV}$, recorded by the CMS experiment. Specific searches target events that also feature large missing transverse energy, large hadronic activity and/or isolated leptons. These searches are particularly relevant in the context of gauge-mediated SUSY breaking, where decays of wino- or bino-like neutralinos could produce photons and almost massless gravitinos.

Summary

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