

## Searches for SUSY with photons in the final state in CMS

*Thursday, 27 August 2015 15:20 (20 minutes)*

We present results of searches for SUSY production at CMS in events with one or two isolated photons, possibly coming from a Higgs decay, using up to 20/fb of data from the 8 TeV LHC run of 2012. The results are interpreted in the context of several different SUSY models, in particular gauge-mediation models, with the gravitino as the lightest supersymmetric particle.

**Primary author:** CMS COLLABORATION (CERN)

**Presenter:** PENA HERRERA, Cristian Ignacio (California Institute of Technology (US))

**Session Classification:** SUSY Expt. and Phenomenology

**Track Classification:** Supersymmetry Phenomenology and Experiment