

Abstract Submitted  
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**A Search for new physics in the diphoton plus missing transverse momentum final state.** PAMPA GHOSE, Florida State University, CMS COLLABORATION COLLABORATION — Using the partial Run II data collected by the CMS experiment, a search for strongly produced supersymmetric particles with two high  $p_T$  photons and missing transverse momentum is executed. Limits are set on SUSY particle masses in the context of simplified models. Prospects for a future analysis on the full Run II dataset exploiting novel techniques will be presented.

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