

Abstract Submitted
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A Search for Supersymmetry at CMS in Events with Two Photons and Missing Transverse Energy ARKA SANTRA, ANDREW ASKEW, Florida State University — We present a search for supersymmetry with gauge-mediated breaking (GMSB). This search was performed in pp-collisions with two photons collected by the CMS experiment at the LHC. The missing transverse energy distribution of these selected events is compared to the Standard Model background predictions, determined using a data-driven technique. The results are then interpreted using the simplified models.

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