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Search for SUSY photonic signatures in 13 TeV pp collisions with the ATLAS detector.

A search for photonic signatures of various generalised models of gauge-mediated supersymmetry breaking is presented at proton–proton collisions at a centre-of-mass energy of 13 TeV. The results are based on an integrated luminosity of 36.1 fb⁻¹ recorded by the ATLAS detector at the LHC. Different experimental signatures incorporating one or more isolated photon and significant missing transverse momentum are explored.

Experimental Collaboration

ATLAS

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