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SUSY searches at 13 TeV at ATLAS

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Summary

Despite the absence of experimental evidence, weak-scale supersymmetry remains one of the best motivated and studied Standard Model extensions. This talk summarizes recent ATLAS results from searches for supersymmetric (SUSY) particles, using the 3.2 fb-1 of proton-proton collision data recorded in 2015 by the ATLAS experiment at a centre-of-mass energy of 13 TeV. These searches targeted strong production in R-Parity-conserving SUSY scenarios, with final states including jets, missing transverse momentum, with or without leptons, as well as long-lived particle signatures.

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