

## Searches for Supersymmetric Particles in ATLAS

*Wednesday 15 May 2019 11:30 (25 minutes)*

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 for searches for supersymmetric (SUSY) particles. Both R-Parity conserving and R-Parity violating SUSY scenarios are considered. The searches used proton-proton collisions at  $\sqrt{s} = 13$  TeV and up to 140/fb of integrated luminosity, and involved final states including jets, missing transverse momentum, and light leptons as well as long-lived particle signatures

### Preferred Session

Collider Physics

### Comments

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