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Searches for supersymmetry with the ATLAS detector

Friday 26 April 2019 11:40 (15 minutes)

Abstract: 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. Weak and strong production in both R-Parity conserving and R-Parity violating SUSY scenarios are considered. The searches use the full Run 2 dataset of proton-proton collisions at $\sqrt{s} = 13$ TeV, and involve final states including jets, missing transverse momentum, light leptons as well as long-lived particle signatures.

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Session Classification: Contributed talks