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Inclusive searches for squarks and gluinos with the ATLAS detector

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Despite the absence of experimental evidence, weak scale supersymmetry remains one of the best motivated and studied Standard Model extensions. This talk summarises recent ATLAS results on inclusive searches for supersymmetric squarks and gluinos, including third generation squarks produced in the decay of gluinos, and considering both R-parity conserving and R-Parity violating SUSY scenarios. The searches involve final states containing jets, missing transverse momentum with and without light leptons, taus or photons, as well as long-lived particle signatures.

Topic:

Topic: High Energy Particle Physics

Summary

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