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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 summarizes recent ATLAS results on searches for supersymmetric squarks and gluinos, including third generation squarks produced directly or via decay of gluinos. The searches involve final states containing jets (possibly identified as coming from b-quarks), missing transverse momentum and, in some cases, leptons, and were performed with pp collisions at a centre-of-mass energy of 13 TeV.

Collaboration name

ATLAS

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