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Search for squarks and gluinos in final states with leptons with the ATLAS detector

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Weak scale supersymmetry is one of the best motivated and studied extensions of the Standard Model. This talk summarises recent ATLAS results on searches for supersymmetric squarks and gluinos, including third generation squarks produced via the decay of gluinos. The searches involved final states containing jets (possibly identified as coming from b-quarks), missing transverse momentum and leptons. Results using collision data from the LHC Run 2 will be shown.

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