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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 summarises recent ATLAS results on searches for supersymmetric squarks and gluinos, including third generation squarks produced directly or via decay of gluinos, using 20/fb of $\sqrt{s}=8$ TeV p-p collision data. The searches involved final states containing jets (possibly identified as coming from b-quarks), missing transverse momentum with and without light leptons, taus or photons. Prospects for some of the early SUSY searches with $\sqrt{s} = 13$ TeV data will also be presented.

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