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Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton with ATLAS

A search for supersymmetric particles using final states with one lepton, jets and a large missing transverse momentum is presented. The analysis uses the full dataset (4.7fb^{-1}) recorded by the ATLAS detector at $\sqrt{s} = 7\text{ TeV}$ in 2011. The results are used to derive constraints on gluino and squark masses.

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Collaboration Name **Please enter the name of the collaboration or group using the acronym, as in:** ABC Collaboration

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