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## Search for supersymmetric particles using final state with one lepton, jets and missing transverse momentum with ATLAS detector

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A search for supersymmetric particles using final states with one lepton, jets and a large missing momentum is presented. The analysis uses the full dataset ( $4.7 \text{ fb}^{-1}$ ) 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.

### <strong>Funding Source</strong>

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ATLAS collaboration

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