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Search for gluino and squark production in final states with an isolated lepton, jets and missing transverse momentum with the ATLAS detector in 20 fb-1 of $\sqrt{s}=8$ TeV pp collisions.

This poster presents the latest results in a search for gluinos and squarks in final states with one isolated electron or muon, jets and missing transverse momentum. The search is based on the full 2012 dataset corresponding to an integrated luminosity of 20.3 fb-1 taken at $\sqrt{s} = 8$ TeV pp collisions by the ATLAS detector at the LHC.

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