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Search for supersymmetry in events with same-sign dileptons, jets and missing transverse momentum with the ATLAS detector

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A search for the production of supersymmetric particles decaying into final states with jets (b-tagged or not), missing transverse momentum and two isolated leptons, e or mu, of the same sign is presented. The analysis uses a data sample collected during 2012, which corresponds to a total integrated luminosity of 21 fb⁻¹ of $\sqrt{s}=8$ TeV proton-proton collisions recorded with the ATLAS detector at the Large Hadron Collider.

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