

The search for the electroweak production of supersymmetric particles in events with two leptons and missing energy at ATLAS

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The search for the electroweak production of supersymmetric particles decaying into final states containing two leptons and missing energy was performed using the full 8 TeV dataset of proton-proton collisions recorded using the ATLAS experiment. The scenarios considered in this analysis were the production of two gauginos and slepton pair production. In both of these scenarios, the supersymmetric particles were allowed to decay via R-parity conserving interactions to the lightest neutralino.

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