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Search for R-parity violating SUSY signatures with the ATLAS detector

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Searches for supersymmetry at the LHC also embrace signatures from R-parity violating processes. These can be final states with resonant or non-resonant lepton flavour violation or multiple leptons. The talk presents recent results from searches for R-parity violation in events containing leptons based on data recorded in 2011 by the ATLAS detector.

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