



Contribution ID: 239

Type: **Parallel Talk**

Search for R-parity violating supersymmetry with the ATLAS detector

Friday, July 7, 2017 3:15 PM (15 minutes)

R-parity violation introduces new signatures to be considered in the search for supersymmetry at the LHC. Strongly interacting resonances may decay to jets, sleptons may decay via lepton-flavour violating processes and lightest supersymmetric particles may decay into many particles with or without missing transverse momentum. The talk presents recent results from searches of supersymmetry in resonance production and R-parity violating signatures with the ATLAS detector.

Experimental Collaboration

ATLAS

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Session Classification: Higgs and new physics

Track Classification: Higgs and New Physics