

Charged Lepton Flavour Violation/Lepton Number Violation searches and studies with the ATLAS experiment

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This talk reports about the search for lepton flavour violation (LFV) and lepton number violation in the data collected by the ATLAS detector during LHC Run1 (8 TeV) and Run2 (13 TeV). Results on the search for Higgs, Z and a hypothetical heavy neutral boson, Z', decays into leptons of different flavor are presented, as well as results on the search for double charged Higgs and $\tau \rightarrow 3 \mu$ decays.

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