

Search for excited tau lepton and leptoquarks with ATLAS

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The ATLAS Collaboration has recently released results of a search for an excited tau lepton. It is based on the LHC Run 2 data and it exploits 13 TeV proton-proton collisions with two hadronically decaying tau leptons and at least two jets in the final state. It is the first dedicated search for the excited tau lepton at the LHC. In the same final state, ATLAS also searched for a leptoquark coupling to a tau lepton and a light quark flavour jet which is the first ATLAS search for this particle.

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