

# Measurement of the tau lepton reconstruction and identification performance in the ATLAS experiment using pp collisions at $\sqrt{s}=13$ TeV

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Tau leptons play an important role in many Standard Model and Beyond the Standard Model physics processes that are being investigated at the LHC. This poster details measurements of the performance of the reconstruction and identification of hadronic tau lepton decays using the ATLAS detector. The measurements include the performance of the identification, trigger, energy calibration and decay mode classification algorithms for reconstructed tau candidates. The performance of these algorithms is measured with Z bosons and top quark decays to tau leptons and uses the Run 2 dataset of pp collisions collected at the LHC at a centre-of-mass energy  $\sqrt{s}=13$  TeV.

**Primary authors:** ATLAS COLLABORATION; DYSCH, Samuel Dezso (University of Manchester (GB))

**Presenter:** DYSCH, Samuel Dezso (University of Manchester (GB))

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