

## Recent Lepton Flavor Results in ATLAS

*Tuesday, 17 September 2024 13:45 (20 minutes)*

Lepton flavour violation (LFV), and lepton flavour universality violation (LFUV), are a striking signature of potential beyond the Standard Model physics. This talk presents recent searches and tests for LFV and LFUV with the ATLAS detector, using proton-proton collisions with a centre of mass energy of 13 TeV. A broad range of models and signatures are considered, including leptoquarks, heavy neutral leptons and EFT interpretations, charged-LFV in top quark decays, measurements for W branching ratios to different flavours, and a new measurement of  $R(K)$ .

### Working Group

WG 4: Muon Physics

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