

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

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Primary authors: BELLERIVE, Alain (Carleton University); WILSON, Benjamin James (Manchester); WILSON, Benjamin (University of Manchester)

Presenter: WILSON, Benjamin (University of Manchester)

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