

ATLAS-Highlight-1: Precise test of lepton flavour universality in W-boson decays into muons and electrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Thursday 25 April 2024 12:00 (20 minutes)

Reference: <https://arxiv.org/abs/2403.02133>

The ratio of branching ratios of the W boson to muons and electrons, $R_{\mu/eW} = B(W \rightarrow \mu\nu)/B(W \rightarrow e\nu)$, has been measured using 140 fb^{-1} of pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector at the LHC, probing the universality of lepton couplings.

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Session Classification: LHC top WG Open Meeting