

Lepton Flavor Violation from Dim-6 and Dim-8 Operators at the LHC and Precision Measurements

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We compare the sensitivity of precision measurements of lepton flavour observables to the reach of the LHC in a case study of lepton-flavour violating operators of dimension six with two leptons and two quarks, and operators of dimension eight with two leptons and two gluons. For light quarks precision measurements always yield the more stringent constraints. The LHC complements precision measurements for operators with heavier quarks. Stronger limits can already be set on the cutoff scale for operators with τ leptons with the LHC.

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Abstract Title

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