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Lepton anomalous magnetic moments from $N_f=2+1+1$ twisted mass fermions and $N_f=2$ twisted mass fermions at the physical point

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We present our results for the electron, the muon, and the tau anomalous magnetic moments obtained with four dynamical quarks.

Performing the continuum limit and an analysis of systematic effects, full agreement with phenomenological results is seen.

Additionally, the light quark contributions on the four-flavour sea are compared to the values obtained for $N_f=2$

physically light quarks. In the latter case different methods to fit the hadronic vacuum polarisation function are tested.

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