

Lepton flavor phenomena in modular symmetry

Monday 27 June 2022 10:00 (30 minutes)

We discuss the lepton flavor violation (LFV), the leptonic magnetic moments ($g-2$) and the electric dipole moment (EDM) of the electron in the Standard-Model Effective Field Theory (SMEFT) with the modular symmetry. We take the level 3 finite modular group for the flavor symmetry, and discuss the dipole operators at nearby fixed point $\tau = i$, where observed lepton masses and mixing angles are well reproduced.

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