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Bounding the $Z'\mu\tau$ coupling from lepton flavor violating transitions

Abstract content

A study of the strength of the lepton flavor-violating $Z'\mu\tau$ coupling is presented. We used the experimental value of the muon magnetic dipole moment to bound this coupling, in a model-independent way, represented for the $\Omega_{\mu\tau}$ parameter and it is found that $\Omega_{\mu\tau} \sim 10^{-2}$ for a Z' boson mass of 1 TeV.

Summary

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