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Coh Miyao "Neutrino models based on the U$(1)_{\mu-\tau}$ gauge symmetry"

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Recently precise experiments have suggested that there is a discrepancy between theoretical and experimental values of muon g-2 based on the Standard Model (SM). It is known that the U(1)$_{¥mu-¥tau}$ gauge model can solve this. There are also studies tha based model. For example, an analytical method has been proposed to give predictions for neutrino masses and Majorana phases that handed neutrinos and a scalar field with $U(1)_{¥mu-¥tau}$ charge are added to the SM when the models have two zero components in the right−handed neutrino+$SU(2)$ doublet scalar model, which was excluded in the previous study. On the other hand, focusing on the right−handed neutrino+$SU(2)$ doublet scalar model is excluded due to Atomic Parity Violation, meson decay, and other limitations right−handed neutrino+$SU(2)$ doublet scalar model is excluded. We therefore add a $SU(2)$ singlet scalar to this model which relaxes

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