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## A link between $\mu \rightarrow e\gamma$ and $\mu$ -e conversion from a model of neutrino masses

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We present several interesting phenomenological implications in a model of neutrino masses which is constructed within the framework of the electroweak-scale right-handed neutrino (EW- $\nu_R$ ) model by applying a horizontal  $A_4$  symmetry. The one-loop induced lepton flavor violating radiative decays  $\mu \rightarrow e\gamma$  and  $\mu$ -e conversion might be related to each other under a good approximation that we have established. Implications concerning future searches for  $\mu$ -e conversion at Fermilab and J-PARC COMET are also discussed.

### Summary

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