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## Minimal lepton flavor violating realizations of minimal seesaw models

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We study the implications of the global  $U(1)_R$  symmetry present in minimal lepton flavor violating extensions of the seesaw. In the context of minimal seesaw setups with a slightly broken  $U(1)_R$ , it is shown that depending on the *R*-charge assignments two classes of generic models can be identified. Models where the right-handed neutrino masses and the lepton number breaking scale are decoupled; and models where the parameters that slightly break  $U(1)_R$  induce a suppression in the light neutrino mass matrix. The corresponding charged lepton flavor violating phenomenology of these schemes is discussed and its interplay with preexisting primordial B - L asymmetries is presented.

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