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## **Lepton masses for a non Universal U(1) model with 2 right-handed massive neutrinos**

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In a model with additional U(1) gauge symmetry, free of anomalies, the mass of the active neutrinos are generated by type I see saw mechanism by introducing two right handed neutrinos. The muon and tau get mass at the tree level and the masses of the electron is generated by effective operators of dimension 7 by introducing a Lambda scale. Using a Monte Carlo, the model parameters are adjusted according to the mass of the charged leptons, the squared mass differences of the neutrinos and the PMNS mixing matrix.

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