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Differentiating Neutrino Models on the Basis of the Reactor Angle and Lepton Flavor Violation

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An earlier survey of viable neutrino mass and mixng models revealed a broad spectrum of predicted valies for sinˆ2 (theta_13) ranging fom the present upper bound of 0.04 accessible to the next round of reactor neutrino experiments down to values less than 0.001 requiring a neutrino factory for observation. Here we single out models with similar theta _13 predictions ad show that the viability of each type can be further differentiated according to their predictions for the l_j to l_i lepton flavor-violating branching ratos for various of the CMSSM parameters. Thi study supplements previous results obtained on the theta_13 - lepon flavor violation connection which involked restrictions on the class of SUSY GUT seesaw models considered.

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