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Distinguishing Flavor Model Predictions at Neutrino Experiments

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Probing flavor models which provide a rationale behind the observed pattern of neutrino mixings can bring us closer to understanding the origin of flavor in the Standard Model of particle physics. The most predictive flavor models predict not only the mixing parameters but also correlations between them. We study several classes of flavor models, contrast their predictions with current neutrino data, and answer the question if and how one can distinguish between different models at upcoming neutrino oscillation and neutrino mass experiments.

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