

FLASY 2025 - 11th Workshop on Flavour Symmetries and Consequences in Accelerators and Cosmology



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Flavor-deconstructed neutrinos

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A tentative approach to explain the flavor puzzle consists of embedding the Standard Model in a larger gauge symmetry that contains a separate gauge group for each fermion family. In such gauge non-universal (or flavor-deconstructed) theories, neutrinos pose some challenges. I will discuss existing ideas in the literature and present a simple model in which flavor deconstruction naturally leads to sequential dominance for both neutrinos and charged leptons, thus providing a viable explanation for the flavor structure of the lepton sector.

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