

# Flavor symmetry relating large $U_{e3}$ to the neutrino masses

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The non-zero and sizable value of  $U_{e3}$  puts pressure on flavor symmetry models which predict an initially vanishing value. Hence, the tradition of relating fermion mixing matrix elements with fermion mass ratios might need to be resurrected. The recently observed non-vanishing value of  $U_{e3}$  can be related numerically to the ratio of solar and atmospheric mass-squared differences. We analyze the prediction of some of these possibilities and construct explicit flavor symmetry models that predict these features.

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