

## Lepton Masses and Mixing in Two-Higgs-Doublet Model

In frame of the two-Higgs Doublet Model (2HDM) we try to find some discrete, non-abelian flavour symmetry, which could explain masses and mixing matrix elements for leptons. Unlike the Standard Model currently the flavour symmetry need not to be broken. With the GAP program we investigate all finite subgroups of the  $U(3)$  group, up to the order 1025. Up to such order there is no group, for which it is possible to select free model parameters in order to match, in a satisfactory way, the masses of charged leptons, masses of neutrinos, and the Pontecorvo-Maki-Nakagawa-Sakata mixing matrix elements.

### Session and Location

Wednesday Session, Poster Wall #148 (Hölderlin-Room)

### Poster included in proceedings:

yes

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**Track Classification:** Poster (not participating in poster prize competition)