

# On the Implications of $|U_{\mu i}| = |U_{\tau i}|$ in the Canonical Seesaw Mechanism

*Saturday 20 July 2024 11:30 (15 minutes)*

In the PMNS matrix, the relation  $U_{\mu i} = U_{\tau i}$  (with  $i = 1, 2, 3$ ) is experimentally favored at the present stage. The possible implications of this relation on some hidden flavor symmetry has attracted a lot of interest in the neutrino community. In this paper, we analyze the implications of  $U_{\mu i} = U_{\tau i}$  (with  $i = 1, 2, 3$ ) in the context of the canonical seesaw mechanism. We also show that the minimal symmetry proposed in JHEP 06 (2022) 034 is one possible but not necessary reason for the above-mentioned relation.

## Alternate track

1. Beyond the Standard Model

## I read the instructions above

Yes

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