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Choices of scalars on neutrino mass model based on A_4 symmetry.

The neutrino mass models containing different scalars are constructed using $A_4 \times Z_4$ discrete symmetry group. The mass matrices are developed in such a way that they can give necessary deviation from Tribimaximal mixing to generate non-zero θ_{13} . The resultant mass matrices are analyzed and compared to understand the contribution of A_4 singlet scalars to the mass model. In addition, we also try to find the minimal number of scalar fields necessary to construct a neutrino mass model that can reproduce the current oscillation data with good accuracy.

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