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Neutrino Masses and Mixing in a $\Delta(27)$ Symmetric Dirac Model

Amid uncertainty about the fundamental nature of neutrinos, we adopt the Dirac framework and construct a model based on the $\Delta(27)$ symmetry. The model successfully explains the hierarchical structures of both charged lepton and neutrino masses. The resulting neutrino mass matrix features four texture zeros, and the corresponding mixing scheme, governed by a single parameter, aligns well with experimental data.

Field of contribution

Author: DEY, Manash (Gauhati University)

Co-author: Dr ROY, Subhankar (Gauhati University)

Presenter: DEY, Manash (Gauhati University)

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