

Title: Toward understanding CP violation in the lepton sector

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Abstract:

After the three angles in the lepton mixing matrix are all measured, the major unknowns needed to complete our understanding of lepton flavor mixing are the CP violating phases, both Kobayashi-Maskawa type as well as the Majorana type. After briefly reviewing the current status of mixing parameter determination I discuss some aspects of how these CP violating phases could be determined by the ongoing search or by dedicated apparatus in the future.

Keywords: (1) correlated measurement of θ_{23} and δ , (2) cosmology helps to measure the Majorana phases.