NuCo 2021: Neutrinos en Colombia



Contribution ID: 30 Type: not specified

Five texture zeros in the lepton sector.

In this talk, we analyze textures zeros in the lepton sector to predict the neutrino masses using like Ramond-Robert-Ross (RRR) forms in the quark sector. To do that, we extend beyond the Standard Model with three right-handed neutrinos by assuming Dirac masses for the neutrinos. We find the non-standard unitary lepton mixing matrix in an analytical way and used it with the current data to predict the lightest neutrino mass and the cp-phase, for each RRR case.

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