

NF01: Neutrino Oscillations

“Physics of neutrino oscillations in the three-flavor paradigm, and probes of beyond-the-SM physics using neutrino oscillations”

Probes

1. Accelerator: SBL, LBL
2. Reactor: SBL, MBL, LBL
3. Solar
4. Atmospheric
5. LE Astrophysical (SN)
6. HE Astrophysical
7. Neutrino oscillation theory

Six SM Parameters

1. Δm_{31}^2
2. Δm_{21}^2
3. θ_{23}
4. θ_{12}
5. θ_{13}
6. δ

BSM in Oscillations

1. Light steriles
2. NSI
3. Unitarity
4. Decay
5. Decoherence
6. LIV/CPT
7. Unparticles
8. Combinations