

Benchmarking Oscillation Probability with Neutrino Decay

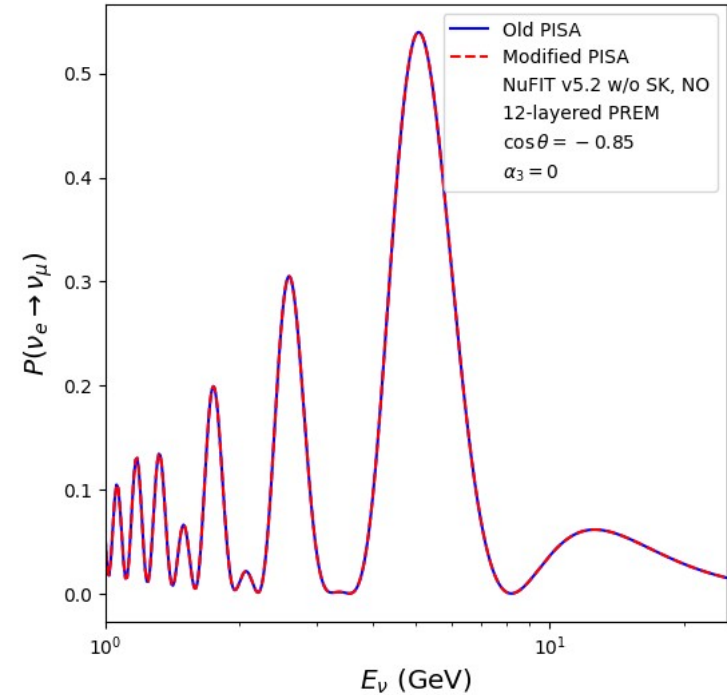
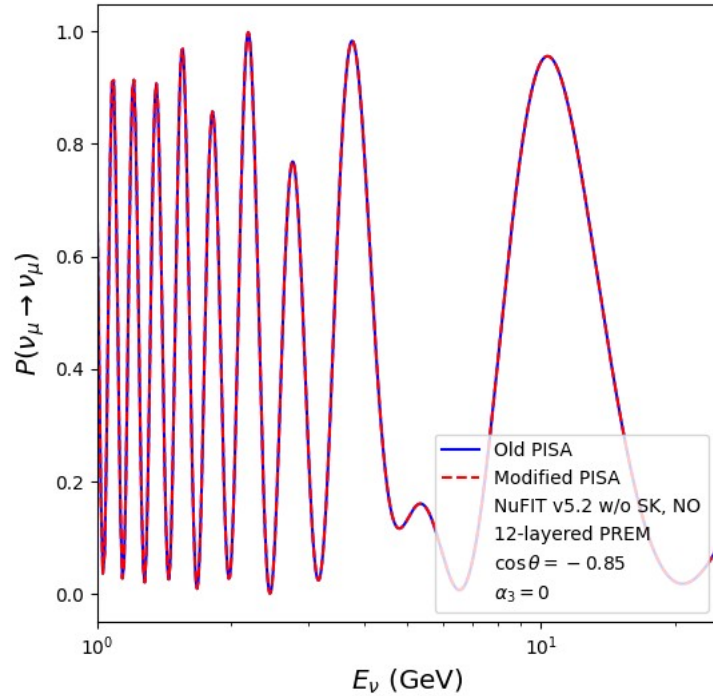
Anil Kumar

DESY, Zeuthen,
August 18, 2023

NuFIT v5.2 without Super-K

	NO
θ_{23}	49.1°
θ_{13}	8.54°
θ_{12}	33.41°
Δm_{31}^2	$2.511 \times 10^{-3} \text{ eV}^2$
Δm_{21}^2	$7.41 \times 10^{-5} \text{ eV}^2$
δ_{CP}	197°

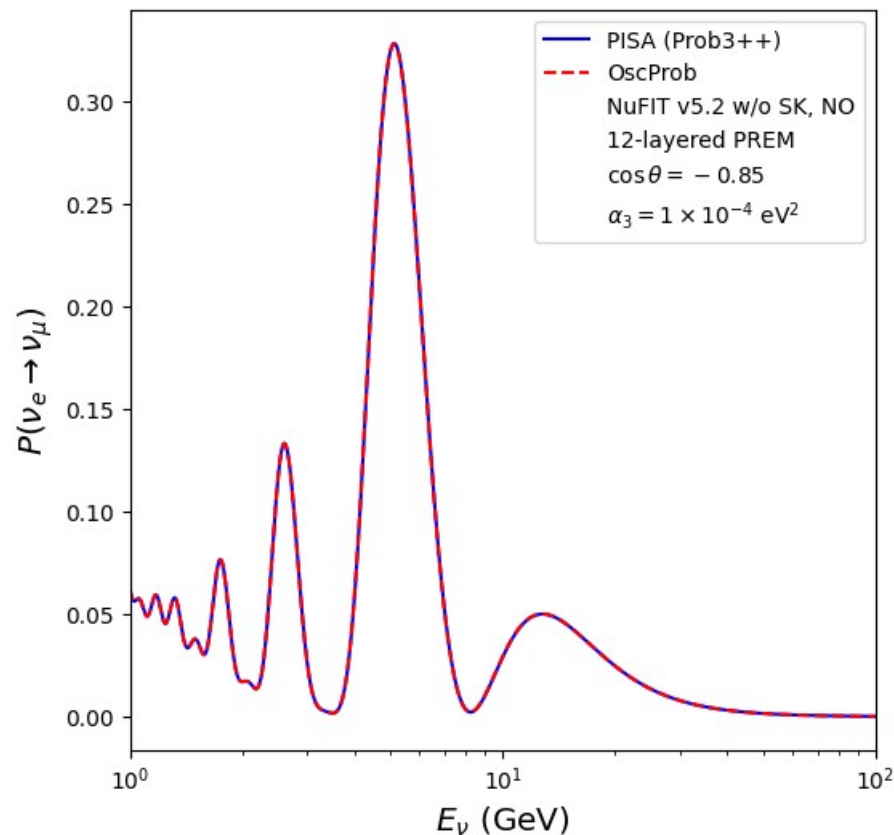
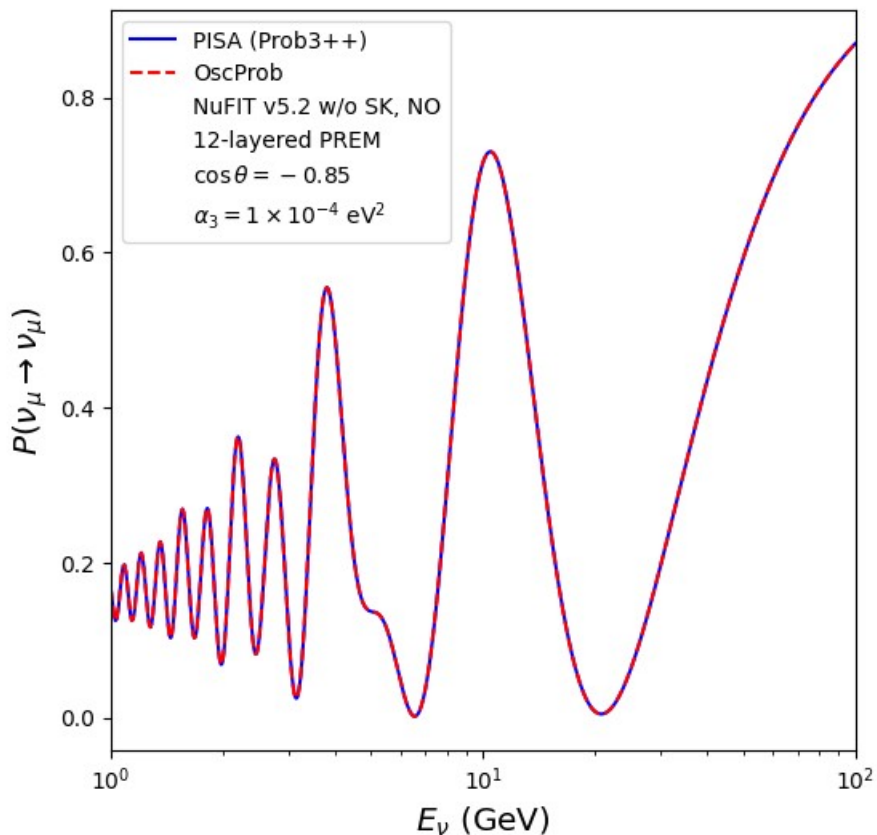
Old PISA vs Modified PISA



Old git hash (#745): [d4148dd165711731dec697153d3747c8af6e76de](#)

New git hash: [ecf9314df3e0cac0dd50eb883fda914918528add](#)

Modified PISA vs. OscProb with Decay



Modified PISA vs. OscProb with Decay

