					NuFIT 5.2 (2022)
		Normal Ordering (best fit)		Inverted Ordering ($\Delta \chi^2 = 2.3$)	
without SK atmospheric data		bfp $\pm 1\sigma$	3σ range	bfp $\pm 1\sigma$	3σ range
	$\sin^2 \theta_{12}$	$0.303^{+0.012}_{-0.011}$	$0.270 \rightarrow 0.341$	$0.303^{+0.012}_{-0.011}$	$0.270 \rightarrow 0.341$
	$\theta_{12}/^{\circ}$	$33.41^{+0.75}_{-0.72}$	$31.31 \rightarrow 35.74$	$33.41^{+0.75}_{-0.72}$	$31.31 \rightarrow 35.74$
	$\sin^2 \theta_{23}$	$0.572^{+0.018}_{-0.023}$	$0.406 \rightarrow 0.620$	$0.578^{+0.016}_{-0.021}$	$0.412 \rightarrow 0.623$
	$\theta_{23}/^{\circ}$	$49.1_{-1.3}^{+1.0}$	$39.6 \rightarrow 51.9$	$49.5_{-1.2}^{+0.9}$	$39.9 \rightarrow 52.1$
	$\sin^2 \theta_{13}$	$0.02203^{+0.00056}_{-0.00059}$	$0.02029 \to 0.02391$	$0.02219^{+0.00060}_{-0.00057}$	$0.02047 \to 0.02396$
	$\theta_{13}/^{\circ}$	$8.54^{+0.11}_{-0.12}$	$8.19 \rightarrow 8.89$	$8.57^{+0.12}_{-0.11}$	$8.23 \rightarrow 8.90$
	$\delta_{\mathrm{CP}}/^{\circ}$	197^{+42}_{-25}	$108 \rightarrow 404$	286^{+27}_{-32}	$192 \rightarrow 360$
	$\frac{\Delta m_{21}^2}{10^{-5} \text{ eV}^2}$	$7.41^{+0.21}_{-0.20}$	$6.82 \rightarrow 8.03$	$7.41^{+0.21}_{-0.20}$	$6.82 \rightarrow 8.03$
	$\frac{\Delta m_{3\ell}^2}{10^{-3} \text{ eV}^2}$	$+2.511^{+0.028}_{-0.027}$	$+2.428 \to +2.597$	$-2.498^{+0.032}_{-0.025}$	$-2.581 \rightarrow -2.408$
with SK atmospheric data		Normal Ordering (best fit)		Inverted Ordering ($\Delta \chi^2 = 6.4$)	
		bfp $\pm 1\sigma$	3σ range	bfp $\pm 1\sigma$	3σ range
	$\sin^2 \theta_{12}$	$0.303^{+0.012}_{-0.012}$	$0.270 \rightarrow 0.341$	$0.303^{+0.012}_{-0.011}$	$0.270 \rightarrow 0.341$
	$\theta_{12}/^{\circ}$	$33.41^{+0.75}_{-0.72}$	$31.31 \rightarrow 35.74$	$33.41^{+0.75}_{-0.72}$	$31.31 \rightarrow 35.74$
	$\sin^2 \theta_{23}$	$0.451^{+0.019}_{-0.016}$	$0.408 \rightarrow 0.603$	$0.569^{+0.016}_{-0.021}$	$0.412 \rightarrow 0.613$
	$\theta_{23}/^{\circ}$	$42.2_{-0.9}^{+1.1}$	$39.7 \rightarrow 51.0$	$49.0_{-1.2}^{+1.0}$	$39.9 \rightarrow 51.5$
	$\sin^2 \theta_{13}$	$0.02225^{+0.00056}_{-0.00059}$	$0.02052 \to 0.02398$	$0.02223^{+0.00058}_{-0.00058}$	$0.02048 \to 0.02416$
	$\theta_{13}/^{\circ}$	$8.58^{+0.11}_{-0.11}$	$8.23 \rightarrow 8.91$	$8.57^{+0.11}_{-0.11}$	$8.23 \rightarrow 8.94$
	$\delta_{\mathrm{CP}}/^{\circ}$	232^{+36}_{-26}	$144 \rightarrow 350$	276^{+22}_{-29}	$194 \rightarrow 344$
	$\frac{\Delta m_{21}^2}{10^{-5} \text{ eV}^2}$	$7.41^{+0.21}_{-0.20}$	$6.82 \rightarrow 8.03$	$7.41^{+0.21}_{-0.20}$	$6.82 \rightarrow 8.03$
	$\frac{\Delta m_{3\ell}^2}{10^{-3} \text{ eV}^2}$	$+2.507^{+0.026}_{-0.027}$	$+2.427 \rightarrow +2.590$	$-2.486^{+0.025}_{-0.028}$	$-2.570 \rightarrow -2.406$