Erratum: Measurement of neutrino and antineutrino oscillations by the T2K experiment including a new additional sample of ν_e interactions at the far detector [Phys. Rev. D 96, 092006 (2017)]

K. Abe *et al.*

(The T2K Collaboration)

(Received 16 July 2018; published 31 July 2018)

DOI: 10.1103/PhysRevD.98.019902

After publication we realized that the results for the atmospheric mass squared difference $|\Delta m^2|$ were wrongly reported in the paper. The likelihood function in the Frequentist analysis is parametrized as a function of Δm^2_{32} (where m_3 is the largest mass) for normal ordering and Δm^2_{13} (where m_3 is the smallest mass) for inverted ordering. In the Abstract, Conclusions, Sec. XI. A and Table XXV, this was incorrectly reported as Δm^2_{32} for both mass orderings.

The central values and 68% confidence intervals found in this analysis are $\Delta m^2_{32} = (2.54 \pm 0.08) \times 10^{-3}$ eV$^2/c^4$ for normal ordering and $\Delta m^2_{13} = (2.51 \pm 0.08) \times 10^{-3}$ eV$^2/c^4$ for inverted ordering. The correct version of the Table XXV is reported here in Table I. This mislabeling does not affect the best-fit and credible intervals for the Bayesian analysis described in Sec. XI. B and in Tables XXVII and XXIX of the paper.

TABLE I. Best-fit and 1σ confidence interval of the T2K data fit with the reactor constraint with normal (Δm^2_{32}) and inverted (Δm^2_{13}) ordering hypotheses.

	Normal ordering		Inverted ordering	
Parameter	Best-fit	$\pm 1\sigma$	Best-fit	$\pm 1\sigma$
δ_{CP}	−1.728	[−2.538; −0.877]	−1.445	[−2.170; −0.768]
$\sin^2\theta_{23}$	0.550	[0.465; 0.601]	0.5525	[0.470; 0.601]
Δm^2_{32} (10^{-3} eV$^2/c^4$)	2.54	[2.460;2.621]	…	…
Δm^2_{13} (10^{-3} eV$^2/c^4$)	…	…	2.51	[2.429; 2.588]