

Errata to “Energy Levels of Light Nuclei, $A = 16-17$ ” (Nuclear Physics A166 (1971) 1)

in Table 16.9, Energy levels of ^{16}O : Delete the entries for $E_x = 10.341 \pm 24$ and 10.353 ± 4 MeV, and replace with a single entry of ¹ :

E_x (MeV \pm keV)	$J^\pi; T$	$\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
10.353 ± 4	$4^+; 0$	27 ± 4	γ, α	5, 9, 11, 12, 25, 35, 36, 44, 57, 61, 67, 74

These same changes need to be made in the Energy level diagram for ^{16}O , and the Isobar diagram for $A = 16$.

in Table 16.9, Energy levels of ^{16}O : in the Decay column for the levels at 21.79 and 22.04: the letter b should be changed to n.

in Table 16.10: change first column heading from E_d (MeV) to E_α (MeV).

in Table 16.11, resonances in $^{12}\text{C} + \alpha$: For the level at 11.63, the reference needs to be changed from (RA55A) to (BI54A).

in Table 16.12, Radiative decays in ^{16}O : The J_1^π for the level at 10.35 should be 4^+ .

in Table 16.18, ^{16}O states from $^{14}\text{N}(^3\text{He}, p)^{16}\text{O}$: For the level at 17.144 ± 20 , L should be changed from (0) to 0.

in Table 16.25, footnote ^g is not labeled in the tabular. (Added on 05/24/2016)

in ^{16}O , reaction 42: change MI63Q (duplicated with MI63P) to MI63P(1963MI1C).

in ^{16}O , reaction 47: change SE61B to SE61A(1961SE01).

in ^{16}O , reaction 57: change VA68C to VA69C(1969VA18).

in ^{16}O , reaction 70: in the next to the last sentence of the paragraph, change $^{16}\text{C}^*(0, 1.75)$ to $^{16}\text{O}^*(0, 1.75)$.

in Table 17.18: change WO54A(1954WO23) to WO54B(1954WO20).

in Table 17.23, footnote [†]: change “see Hardy, Esterl, Sextro and Cerny, Phys. Rev. C3 (1971) 700” to see (HA71B)(NNDC key is 1971HA05).

¹ The author is greatly indebted to Dr. H.T. Richards for pointing out this error.

in ^{17}O , reaction 9 and in the Energy level diagram for ^{17}O : for $^{13}\text{C}(^7\text{Li}, t)^{17}\text{O}$, the Q_m should be changed from 7.000 to 3.890 ².

² Based on the masses of (MA65A) for consistency.