

Errata to “Energy Levels of Light Nuclei, A = 18 – 20” (Nuclear Physics A300 (1978) 1)

in ^{18}B , first sentence: “ ^{18}Be has not been observed...” should be changed to: ^{18}B has not been observed...

in ^{18}O , right before reaction 1: change “1: 0.69 ± 0.06 : 1.6 ± 0.2 (EI76/1976EI02).” to “1: 0.69 ± 0.06 : 1.67 ± 0.17 (EI76/1976EI02).” (Added on 03/18/2015)

in Table 18.4, the 3rd column: change all $^{18}\text{O}(t, \alpha)$ reactions to $^{19}\text{F}(t, \alpha)$. (Added on 03/19/2015)

in ^{18}F , reaction 31: change $Q_0 = 5602.2 \pm 0.6$ keV to 5606.2 ± 0.6 keV.

in ^{18}Ne , reaction 1: change $^{18}\text{Ne}(\beta^-)^{18}\text{F}$ to $^{18}\text{Ne}(\beta^+)^{18}\text{F}$

in Table 19.6, Energy levels of ^{19}F , and 19.10, Lifetimes of some ^{19}F states:
In view of the erratum published by Lebrun *et al.* in J. Phys. Lett. 37 (1976) L57 and not included previously by us in reference (LE75M), the following entries must be changed in Table 19.10 [Lifetimes of some ^{19}F states], and also in Table 19.6 [Energy levels of ^{19}F]:

^{19}F state (MeV)	τ_m (fsec)	Refs.
1.55	$4.4^{+2.4}_{-2.0}$	see (PO69)
3.91	9 ± 5	(DI77F) ^a
4.00	< 40	(BH76A)
4.38	< 11	(LE75M)
4.55	< 50	(RO76F)
4.56	17^{+10}_{-8}	(LE75M)
4.68	delete (LE75M) value	
5.11	< 30	(RO76F)
5.62	< 45	(LE75M)

^a W.R. Dixon *et al.*, Phys. Lett. A62 (1977) 479.

These also require changes in Γ_γ in Table 2 of the Introduction in this publication. $^{19}\text{F}^*(5.11)$ should be listed as having $J^\pi = \frac{5}{2}^+$ in Tables 19.6, 19.7 and 19.21.

I am very indebted to Drs. A. H. Wapstra and D.W.O. Rogers for pointing out these necessary changes to me.

in Table 19.18, in footnote ^g, change (RO71F)/(1971RO13) to (KA70G)/(1970KA31). (Added on 04/11/2016)

in Table 19.22, add ^b to the first column title E_x (MeV \pm keV). (Added on 02/16/2015)

in ²⁰F, reaction 24: ¹⁹F(n, α)¹⁶O is wrong and should be changed to ¹⁹F(n, α)¹⁶N.

in Table 20.19: change “tables 20.14 and 20.34 here” in footnote ^a to “tables 20.22 and 20.26 here”. (Added on 02/02/2015)

in Table 20.26: delete “, A” in Refs. column for the row of $E_p = 597 \pm 1$ keV. (Added on 02/04/2015)

in ²⁰Ne, reaction 14, first paragraph: “...are displayed in table 12.22...” should be changed to read as ...are displayed in Table 20.22...

in Table 20.28: change heading α_2 to α_1 , α_3 to α_2 , α_4 to α_3 ; and total < 0.034 is for the last three columns: α_1 , α_2 , and α_3 .

in Table 20.33: in footnote [†], delete [Golden *et al.*, Applied Phys. Lett. (to be published)] after (GO78C)/(1978GO1F).

in Table 20.36: change WO54B(1954WO20) to WO54A(1954WO23).