

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

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

in  $^{18}\text{O}$ , right before reaction 1: change “1:  $0.69 \pm 0.06$ :  $1.6 \pm 0.2$  (EI76/1976EI02).” to “1:  $0.69 \pm 0.06$ :  $1.67 \pm 0.17$  (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  $^{18}\text{F}$ , reaction 31: change  $Q_0 = 5602.2 \pm 0.6$  keV to  $5606.2 \pm 0.6$  keV.

in  $^{18}\text{Ne}$ , 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  $^{19}\text{F}$ , and 19.10, Lifetimes of some  $^{19}\text{F}$  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  $^{19}\text{F}$  states], and also in Table 19.6 [Energy levels of  $^{19}\text{F}$ ]:

$^{19}\text{F}$ state (MeV)	$\tau_m$ (fsec)	Refs.
1.55	$4.4^{+2.4}_{-2.0}$	see (PO69)
3.91	$9 \pm 5$	(DI77F) <sup>a</sup>
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)

<sup>a</sup> W.R. Dixon *et al.*, Phys. Lett. A62 (1977) 479.

These also require changes in  $\Gamma_\gamma$  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 <sup>g</sup>, change (RO71F)/(1971RO13) to (KA70G)/(1970KA31). (Added

on 04/11/2016)

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

in Table 19.27, for footnote <sup>g</sup>, change (GU68G)/(1968GU07) to (GI70E)/(1970GI09). (Added on 01/12/2022)

in <sup>20</sup>F, reaction 24: <sup>19</sup>F(n,  $\alpha$ )<sup>16</sup>O is wrong and should be changed to <sup>19</sup>F(n,  $\alpha$ )<sup>16</sup>N.

in Table 20.19: change “tables 20.14 and 20.34 here” in footnote <sup>a</sup> 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 <sup>20</sup>Ne, 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  $\alpha_2$  to  $\alpha_1$ ,  $\alpha_3$  to  $\alpha_2$ ,  $\alpha_4$  to  $\alpha_3$ ; and total  $< 0.034$  is for the last three columns:  $\alpha_1$ ,  $\alpha_2$ , and  $\alpha_3$ .

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

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