

## Errata to “Energy Levels of Light Nuclei. VI” (Nuclear Physics 11 (1959) 1)

in Table of Atomic Mass Excesses ( $M - A$ ) in MeV: for  ${}^3\text{H}$ , change  $15.358 \pm 0.005$  to  $15.835 \pm 0.005$ .

in References List: change HA59C(1959HA1G) to HA49C(1949HA1B) (for  $A = 17$ ).

in Table 5.2, Resonance parameters for  ${}^3\text{H}(d, n){}^4\text{He}$  and  ${}^3\text{He}(d, p){}^4\text{He}$ : in footnote <sup>a</sup>, change  ${}^3\text{H}(d, n){}^3\text{He}$  to  ${}^3\text{H}(d, n){}^4\text{He}$ .

in  ${}^5\text{He}$ , reaction 2, third paragraph: change  ${}^3\text{H}(d, p){}^4\text{He}$  to  ${}^3\text{H}(d, p){}^4\text{H}$ .

in  ${}^5\text{He}$ , reaction 8, next to last paragraph: change “(see  ${}^3\text{H}(d, n){}^3\text{He}$ )” to (see  ${}^3\text{H}(d, n){}^4\text{He}$ ).

in Table 7.1, Energy levels of  ${}^7\text{Li}$ : change  $E_x = 0.4780 \pm 0.003$  MeV to  $0.4780 \pm 0.0003$ .

in Table 7.2, change  ${}^6\text{Li}(n, \alpha){}^3\text{He}$  to  ${}^6\text{Li}(n, \alpha){}^3\text{H}$  and change  ${}^6\text{Li}(p, \alpha){}^3\text{H}$  to  ${}^6\text{Li}(p, \alpha){}^3\text{He}$ .

in  ${}^8\text{Be}$ , change reaction 6 (b) to  ${}^6\text{Li}(d, p){}^4\text{He} + {}^3\text{H}$ .

in  ${}^8\text{Be}$ , first paragraph under reaction 15, change  ${}^7\text{Li}(d, n){}^7\text{Be}$  to  ${}^6\text{Li}(d, n){}^7\text{Be}$ .

in  ${}^8\text{Be}$ , second paragraph under reaction 39, change TI56A to TI55A(1955TI1A).

in Table 8.3, for the row for  $E_x = 2.90$  MeV, change reaction XXXII to XXXIX.

in Table 8.7, change  ${}^7\text{Li}(p, \gamma){}^7\text{Be}$  to  ${}^7\text{Li}(p, \gamma){}^8\text{Be}$ .

in  ${}^9\text{Be}$ , second paragraph under reaction 10, change BA56L to BA58L(1958BA60).

in  ${}^{10}\text{Be}$ , reaction 1: change (KU49A) to HU49A(1949HU19).

in  ${}^{10}\text{B}$ , reaction 19: the  $ft$  values need to be switched: change “are 3.7 and 3.2” to 3.2 and 3.7;  $E_{\beta^+}(\text{max}) = 2.10 \pm 0.1$  should be  $E_{\beta^+}(\text{max}) = 2.2 \pm 0.1$ .

in Table 11.1, Energy levels in  ${}^{11}\text{B}$ : for the  $E_x = 6.758 \pm 7$ , add reaction 1 to the Reactions column.

in  ${}^{11}\text{C}$ , reaction 1: change “The mean of half-lives reported in (AJ55/1955AJ61) is  $20.44 \pm 0.04$  min” to “The mean of half-lives reported in (AJ55/1955AJ61) is  $20.36 \pm 0.05$  min”. (Added on 02/10/2009)

in  $^{13}\text{C}$ , reaction 4: change  $^9\text{Be}(\alpha, n)^{13}\text{C}$  to  $^9\text{Be}(\alpha, n)^{12}\text{C}$ .

in Table 16.3, Energy levels of  $^{16}\text{O}$ : for  $E_x = 6.056 \pm 0.010$  MeV, delete reaction 26 from the Reactions column and replace it with reaction 36.

in  $^{16}\text{O}$ , reaction 15: change  $^{12}\text{C}(d, \alpha)^{14}\text{N}$  to  $^{12}\text{C}(\alpha, d)^{14}\text{N}$ .

in  $^{17}\text{O}$ , reaction 16: change  $^{13}\text{C}(\alpha, n)^{17}\text{O}$  to  $^{13}\text{C}(\alpha, n)^{16}\text{O}$ .

in  $^{17}\text{F}$ , reaction 1: change WO54A(1954WO23) to WO54B(1954WO20).

in  $^{17}\text{F}$ , reaction 4, 3rd paragraph: change  $\sigma = 0.29 \pm 0.03 \times 10^{-6}$  b to  $\sigma = 0.29 \pm 0.03$   $\mu\text{b}$ .

in  $^{18}\text{O}$ , reaction 10: change AH54E to AH54C(1954AH37).

in Table 18.5, the first column: the unit for  $E_\alpha = 3.67 - 5.2$  should be changed from keV to MeV.

in  $^{19}\text{F}$ , reaction 27, 3rd paragraph: change TR56B to TR55B(1955TR1C).

in  $^{19}\text{Ne}$ , reaction 5: change  $E_p = 4240 \pm 8$  keV to  $E_{\text{thresh.}} = 4240 \pm 8$  keV.

in Table 20.14: change  $E_\gamma$  (keV) in first column to  $E_p$  (keV).

in  $^{20}\text{Ne}$ , reaction 16: change all WO54B(1954WO20) to WO54A(1954WO23).