

## Errata to “Energy Levels of Light Nuclei, A = 12” (Nuclear Physics A968 (2017) 71)

in Table 2, under  $^{12}\text{Be}$ , in row of  $2.715 \rightarrow 0$ , change  $\Gamma_\gamma$  (eV) and  $\Gamma_\gamma/\Gamma_W$  (W.u.) to  $0.035 \pm 0.009^a$  and  $0.0049 \pm 0.0013$ , respectively where footnote  $^a$  is “Using  $\tau_m = 1.9 \pm 0.5$  fs from the  $B(E1)$  given in (2000IW03).”. (Added on 06/12/2018)

in Fig. 2 “Energy levels of  $^{12}\text{B}$ ”, label of the small figure on the right,  $\sigma_t$ , is off place and should be moved further to the right.

in Table 12.5, in row of  $E_x = 7.8$  MeV, add unit “MeV” to  $4.0 \pm 0.5$  in the third column. (Added on 03/05/2018)

in Table 12.5, remove entire row of  $E_x = 9.0$  MeV which is duplicated with 9.3 MeV. Make same changes also for figures 2 and 8.

in Table 12.8, contents of columns 3-5 for  $E_x = 9.42 \pm 15$  and  $9.46 \pm 15$  should be lined up with  $E_x = 9.393 \pm 6$  and  $9.434 \pm 8$  in column 6. In (1994Ma05) Table 1, these states are incorrectly correlated.

in Table 12.9, put ( ) around level  $E_x = 8.1 \pm 100$  (MeV  $\pm$  keV) and add footnote  $^i$  read as “See discussion in (1992BO16)”.

in Fig. 3, change branch of  $^{12}\text{N}(\beta^+)^{12}\text{C}^*(15.11 \text{ MeV})$  from 0.0023 to  $2.3 \times 10^{-5}$  and branch of  $^{12}\text{B}(\beta^-)^{12}\text{C}^*(12.710 \text{ MeV})$  from 0.00026 to  $2.6 \times 10^{-6}$ . (Added on 06/27/2018)

in Table 12.13, remove decay mode n in 4th column for  $E_x = 18.35 \pm 50$  (MeV  $\pm$  keV):  $J^\pi$ ;  $T = 2^-$ ;  $0 + 1$  state. (Added on 06/27/2018)

in Table 12.14, under  $E_x = 15.11$  MeV, change “ $\Gamma_\alpha/\Gamma = 0.041 \pm 0.009^i$ ” to “ $\Gamma_\alpha/\Gamma = \Gamma_{\alpha_1}/\Gamma = 0.041 \pm 0.009^i$ ”.

in Tables 12.24 and 12.42, add  $E_\gamma =$  right before  $4.43891 \pm 0.31^c$  in the first column. (Added on 11/15/2017)

in Tables 12.24, change Branch (%) and  $\log ft$  of g.s. to  $98.216 \pm 0.028$  and  $4.0617 \pm 0.0005$ . (Added on 06/28/2018)

in Table 26, remove footnote  $^d$  from 15.11 in the first column; add (1974CE01) at the end of footnote  $^d$ . (Added on 06/13/2018)

For figures 4 and 5, change  $^{12}\text{C}$  energy level 4.4389 to 4.4398. (Added on 11/15/2017)

in  $^{12}\text{C}$ , reaction 83, 3rd paragraph, texts in red are added in the sentence “The (1974BA42)

value was obtained by observing the decay  $\alpha$ -particles (only  $\alpha_1$ ) in reaction (b); using the  $^{12}\text{C}^*(15.11)$   $\Gamma_{\gamma_0}$  (1983DE53) and  $\gamma$ -decay branching ratios (1972AL03) leads to  $\Gamma_{\alpha} = \Gamma_{\alpha_1} = 1.8 \pm 0.3 \text{ eV}$ .”

in Fig. 8, Isobar diagram, change  $^{11}\text{B}$  to  $^{12}\text{C}$  in the footnotes. (Added on 07/19/2018)