Erratum: Orbital electron capture by the nucleus* [Rev. Mod. Phys. 49, 77 (1977)]

W. Bambynek

Bureau Central de Mesures Nucléaires, EURATOM, B-2440 Geel, Belgium

H. Behrens

Zentralstelle für Atomkernenergie-Dokumentation, Kernforschungszentrum Karlsruhe, 7514 Eggenstein-Leopoldshafen 2, Germany

M. H. Chen and B. Crasemann

Department of Physics, University of Oregon, Eugene, Oregon 97403, U.S.A.

M. L. Fitzpatrick and K. W. D. Ledingham

Department of Natural Philosophy, University of Glasgow, Kelvin Laboratory, N.E.L., East Kilbride, Lanarkshire, Scotland

H. Genz and M. Mutterer

Institut für Kernphysik, Technische Hochschule Darmstadt, 61 Darmstadt, Germany

R. L. Intemann

Department of Physics, Temple University, Philadelphia, Pennsylvania 19122, U.S.A.

Page 79: In line 15 (from the bottom) of the left-hand column, "charge" should read "change."

Page 83: In Eq. (2.31), $(2J_i+1)(1/2)$ should read $(2J_i+1)^{-1}(1/2)$.

Page 87: In Eq. (2.58),

$$\frac{(2k_x-1)!!}{2k_{x_y}2k_x} \quad \text{should read} \quad \frac{(2k_x-1)!!}{2^{k_{xy}}2k_x} .$$

Page 90: In Eq. (2.66), $(-1)^L$ should read $(-i)^L$.

Page 99: In footnote 10, the replacement for γ_5 should read

$$\gamma_5 \to -\frac{\sigma\cdot\mathbf{p}}{M} .$$

Page 103: Footnote 11, line 6 (from the bottom) should read

$$GJ_\mu^{\mathrm{II}}G^{-1} = -J_\mu^{\mathrm{II}} .$$

Page 104: Line 1 of Eq. (2.106a) should read

$$\cdots + (2k_x+1)^{-1}\cdots .$$

Line 2 of Eq. (2.106a) should read

$$+[(2k_x+1)^{-1}W_xR - (2k_\nu^{(1)}+1)^{-1}q_xR]^V F^0_{LL0} - \cdots .$$

Page 106: In footnote 13, the expression for ${}^A F^{(0)}_{110}$ should read

$$\lambda\sqrt{3}\int \gamma_5 \frac{i\mathbf{r}}{R} .$$

Page 129: In line 7 of the left-hand column, P_0/P_N should read P_N/P_M; line 11 should read "for $Z \leq 54$ and those of Suslov . . ."

Page 133: In the $P_K\omega_K$ column, line 5 (from the bottom), omit the entry 0.649 ± 0.017; in the P_K column, line 4 (from the bottom) should read $0.68 \pm 0.03^+$.

Page 141: In the P_K column, line 12 (from the bottom), 0.871 ± 0.018 should read 0.781 ± 0.018.

Page 142: Delete the 9th entry in the $P_K\omega_K$ column, 0.649 ± 0.017.

Page 147: In the last sentence of the caption of Fig. 23, $\beta^\pm$ should read β^+.

Page 148: In Eq. (3.50),

$$= \left(\frac{I_\gamma}{I_{511}}\right)_a \quad \text{should read} \quad = \left(\frac{I_\gamma}{I_{511}}\right)_b .$$

Page 153: In the 8th entry in the P_K/P_{β^+} column, 5.4 ± 10^2, should read 540.

Page 157: In Table XVIII, the entries "72 Hf 171 . . . 144 ± 3" should be shifted one line down, to line up with 26 Gnatovich (1974).

Page 160: Table XIXA. The reference for the entry 42 Mo is Fitzpatrick (1976).

Page 161: In the last column of Table XXI, the 5th entry, 197 ± 16, should be shifted up one line, so that it lines up with Muziol (1966).

Page 164: In Eq. (4.7), . . . $[\gamma\cdot\nabla\ldots]$ should read . . . $[-\gamma\cdot\nabla\ldots]$; in Eq. (4.8), $-iZ\alpha\alpha\cdot(\nabla 1/r)]$ should read $+iZ\alpha\alpha\cdot\nabla(1/r)]$.

Page 166: In line 14 (from the bottom) of the left-hand column, $Z\alpha\alpha\cdot(\nabla\, 1/r)$.

Page 171: Eq. (4.45b) should read

$$f_B(x) = \left\{2k\lambda, \sigma\ldots \sin(2\lambda,\theta)\right\} \Big/ s^{\lambda_1} .$$

*This work was supported in part by Verbundforschung at Ruhr-Universität Bochum, Germany, by the U. S. Army Research Office and by the National Aeronautics and Space Administration.

Page 177: Eq. (4.63) should read

$$W_\gamma(\theta, S, t) \propto (A_{1s} + B_{1s})^2 + (t/\sqrt{3}) A_1 (LL' J_{ff} J_f) b_k S (A_{1s} + S B_{1s})^2 \cos\theta \,.$$

Page 180: In Table XXV, the second entry in the $|\Delta J|$ column, 0.1, should read 0,1. In Table XXVI, the third entry in the a_0 column, 7/2, should read 7/4.

Page 183: In line 7 (from the bottom) of the left-hand column, ^{193}Pr should read ^{193}Pt.

Page 196: In Table XXX, column 11, line 3 (from the bottom) should read 3.19.

Page 200: In Table XXXII, column 7, line 2 should read 0.97 ± 0.15; line 4 should read 1.2 ± 0.1 °.

Page 207: In line 4 of the right-hand column, read (Mutterer, 1971).

Page 212: Line 6 of the left-hand column should read 115, 12.

Page 219: Line 15 of the right-hand column should read (Almquist and Wiksell, Stockholm), p. 367.