

Errata

Second-Order Quadrupole Effect for the Nuclear Hexadecapole Coupling in Ions, R. M. STERNHEIMER [Phys. Rev. **127**, 812 (1962)]. In the last row of Table I, the value of $I_{24}^{(4)2}$ should be $-10(3)^{1/2}/77$ instead of $-10(3)^{1/2}/231$. As a result, the angular factor A for $(d, d \rightarrow d \rightarrow g)$ in Table II is changed to 640/343 (instead of 640/539), and A for $(d, d \rightarrow g \rightarrow g)$ should be 1920/3773 (instead of 8320/41503). Since these coefficients were not subsequently used in the paper,¹ the results of Sec. III and Table IV are unaffected.

¹ Tables of the perturbed wave functions obtained in this work (for Cu^+ , V^{++} , Ag^+ , and Hg^{++}) are given in a supplementary paper. This paper also contains tables of the perturbed wave functions used to calculate the hexadecapole antishielding factor for the Cu^+ , Ag^+ , and Hg^{++} ions [R. M. Sternheimer, Phys. Rev. **123**, 870 (1961)] and the wave functions which determine the electronic polarizabilities of the alkali atoms [R. M. Sternheimer, Phys. Rev. **127**, 1220 (1962)]. This supplementary paper has been deposited as Document No. 7341 with the ADI Auxiliary Publications Project, Photoduplication Service, Library of Congress, Washington 25, D. C. A copy may be secured by citing the document number and by remitting \$5.00 for photoprints or \$2.25 for 35-mm microfilm. Advance payment is required. Make checks or money orders payable to: Chief, Photoduplication Service, Library of Congress.

Neutron Yields from Individual Fission Fragments, JAMES TERRELL [Phys. Rev. **127**, 880 (1962)]. A few typographical errors may lead to some confusion. The equation in footnote 12a should read $\mu_4 = 6\sigma^4 - \mu_4^*$. On p. 885 (left-hand column) the average mass from data of Milton and Fraser should be 108.61, not 106.61. Also, footnote 23a should refer to this same sentence and not to an earlier sentence. On p. 900, left-hand column, last paragraph, the missing character should be $\bar{E}_{e.m.}$. A factor $\cos\theta$ was inadvertently omitted from the last term of Eq. (A13).

Model for the Two-Pion and Three-Pion Resonances, A. N. MITRA [Phys. Rev. **127**, 1342 (1962)]. The following misprints have occurred in the paper: In Eqs. (2.5) and (2.8), λ should be read as 3λ . In Eq. (2.8), on the right-hand side, $v(p)v(p')$ should be replaced by $v(p)v(p')/\omega(p)\omega(p')$. The quantities, Ψ_s , Ψ_A , and Ψ_V , appearing on the left-hand sides of Eqs. (3.7), (3.13), and (3.17), respectively, should be multiplied by the energy denominator $D(E)$ defined by Eq. (3.7a). Finally, in Eq. (4.3), on the right-hand side, $\sin^2\theta$ should be read as $(\sin^2\theta)p^2$. These misprints are deeply regretted, but all the other algebraic equations, as well as the numerical results, given in the paper are correct as they stand.

Field-Theoretical Calculation of the One-Pion-Exchange and Two-Pion-Exchange Contributions to the Phase Shifts with Higher Angular Momenta for Nucleon-Nucleon Scattering, IWAO SATO [Phys. Rev. **127**, 1352 (1962)]. An error has been found in the calculation of the contributions of the $I=J=1$ pion-pion resonance. In Eqs. (5.5), (5.6), (5.7), and (5.8a), C_2 should be replaced by $-C_2$, unless it is combined with C_1 in the form $C_1 + 2MC_2$. Because of this error the entries in the column $\pi 1$ in Table I and the column $1+2B+2R+\pi 1$ in Table II are incorrect. The correct entries are

Table I, $\pi 1$

k_0	-1.7484
k_2	0.03802
k_4	0.00126
k_6	0.00005
k_{11}	-0.04559
k_{33}	-0.00191
k_{55}	-0.00008
k_{10}	-1.3193
k_{12}	-0.14011
k_{32}	-0.03003
m_2	-0.08094
k_{34}	-0.00396
k_{54}	-0.00092
m_4	-0.00228
k_{56}	-0.00014
k_{76}	-0.00003
m_6	-0.00008

Table II,
 $1+2B+2R+\pi 1$

1D_2	53.10
1G_4	4.39
1I_6	0.72
3F_2	21.43
3F_3	15.86
3F_4	12.89
3H_4	1.19
3H_5	-0.31
3H_6	1.26
ϵ_4	-1.44
ϵ_6	-0.56

The contributions of the $I=J=1$ pion-pion resonance now turn out to be quite small, so the conclusion that this resonance much improves the result by supplying a strong repulsion should be abandoned. In order to explain the experiments, one needs a repulsive force from some other source. I am grateful to Dr. S. Furuichi for pointing out this error.

Photodisintegration of Helium, PAUL GOLDHAMMER AND HENRY S. VALK [Phys. Rev. **127**, 945 (1962)]. The following typographical errors should be noted:

(i) In the byline, for Paul Goldhammer and Henry S. Valk, read Paul Goldhammer and Henry S. Valk.

(ii) In Eq. (3), for

$$\sigma_{\text{int}} = [2\pi^2 e^2 \hbar / (Mc)] \left\{ NZ/A (Mx/3\hbar^2) \right. \\ \times \int \Psi_0^* \sum_{i,j} V(r_{ij}) r_{ij}^2 P_{ij}^M \Psi_0 d\tau - [My/(3\hbar^2)] \\ \left. \times \int \Psi_0^* \sum_{i,j} V(r_{ij}) r_{ij}^2 P_{ij}^H \Psi_0 d\tau \right\},$$

read

$$\sigma_{\text{int}} = [2\pi^2 e^2 \hbar / (Mc)] \left\{ NZ/A - [Mx/(3\hbar^2)] \right. \\ \times \int \Psi_0^* \sum_{i,j} V(r_{ij}) r_{ij}^2 P_{ij}^M \Psi_0 d\tau - [My/(3\hbar^2)] \\ \left. \times \int \Psi_0^* \sum_{i,j} V(r_{ij}) r_{ij}^2 P_{ij}^H \Psi_0 d\tau \right\}.$$

(iii) In Eq. (4), for

$$\sigma_b = (4\pi^2/3)[e^2/(\hbar c)][zN/(A-1)]R^2,$$

read

$$\sigma_b = (4\pi^2/3)[e^2/(\hbar c)][ZN/(A-1)]R^2.$$

(iv) In reference 8, for: see O. Roj and J. S. Levinger, Phys. Rev. **123**, 2177 (1961), read O. Rojo and J. S. Levinger, Phys. Rev. **123**, 2177 (1961).

G Parity and the Interactions of Heavy Mesons, D. B. LICHTENBERG AND G. C. SUMMERFIELD [Phys. Rev. **127**, 1806 (1962)]. Replace the second line of Eq. (3) by

$$J \geq 1, P = (-1)^J \text{ implies } C = (-1)^J.$$

We wish to thank Professor S. P. Rosen for bringing this to our attention.

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