Errata

Hyperfine Structure of Ge^{73} in the $^3P_1$ and $^3P_2$ Atomic States and the Nuclear Magnetic Dipole Moment of Ge^{71}, W. J. CHILDS AND L. S. GOODMAN [Phys. Rev. **141**, 15 (1966)]. S. G. Schmelling recently pointed out to the authors that an arithmetic error was made in extracting the value of the electric quadrupole moment of the Ge^{73} nuclear ground state from the observed hfs data. The correct result is

$$Q(\text{Ge}^{73}) = -0.18 \pm 0.03 \text{ b.}$$

Because this value has not been corrected for Sternheimer shielding, a 15% uncertainty has been assigned.

Investigation of Nuclear Three- and Four-Body Systems with Soft-Core Nucleon-Nucleon Potentials, I. R. AFNAN AND Y. C. TANG [Phys. Rev. **175**, 1337 (1968)]. The calculation for potential $S2$ was performed with an incorrect value of β_{t3} equal to 0.62 F^{-2}. With its correct value of 0.60 F^{-2}, the result as given in

Eq. (29) should be changed to

$$\alpha = 0.343 \text{ F}^{-1}, \qquad \beta = 2.8 \text{ F}^{-1},$$

$$r_d = 1.18 \text{ F}, \qquad \epsilon = -13.0 \text{ MeV},$$

$$E_U = -31.12 \pm 0.15 \text{ MeV},$$

$$E_L = -34.44 \pm 0.37 \text{ MeV},$$

rms radius $= 1.34$ F.

Also, the result for the Volkov potential, given in the Appendix, was obtained with a crude scan in the parameter space. A more thorough scan yields the following result:

$$\alpha = 0.302 \text{ F}^{-1}, \qquad \beta = 2.0 \text{ F}^{-1},$$

$$r_d = 1.10 \text{ F}, \qquad \epsilon = -17.0 \text{ MeV},$$

$$E_U = -30.23 \pm 0.09 \text{ MeV},$$

rms radius $= 1.53$ F.

With these parameters, the Coulomb energy of He^4, calculated with the proton treated as a point charge, is equal to 0.81 MeV.