Errata

Erratum: Polarization observables in deuteron photodisintegration and electrodisintegration [Phys. Rev. C 40, 2479 (1989)]

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We have found the two misprints and one erroneous assignment. We also make one additional comment.
Equation (14) should read

$$\epsilon^{\mu *}_{\lambda_\gamma} = (-1)^{\lambda_\gamma} \epsilon^{\mu}_{-\lambda_\gamma} ,$$

instead of

$$\epsilon^{\mu *}_{\lambda_\gamma} = (-1)^{\gamma_\lambda} \epsilon^{\mu}_{-\lambda_\gamma} .$$

The heading in Table XII should read

$$R^{(\mathrm{II})}_{LT'}: \quad R_{LT'}(P_j, T_i) = \tfrac{4}{3}\eta\kappa^2 A(P_j, T_i)$$

$$R_{T'}: \quad R_{T'}(P_j, T_i) = \tfrac{4}{3}\kappa^2 A(P_j, T_i) ,$$

instead of

$$R^{(\mathrm{II})}_{LT'}: \quad R_{LT'}(P_j, T_i) = 4\eta\kappa^2 A(P_j, T_i)$$

$$R_{T'}: \quad R_{T'}(P_j, T_i) = 4\kappa^2 A(P_j, T_i) .$$

The example in Sec. III A is inappropriate: The parity of the pion is negative, hence making the "total parity of the reaction" η_g [Eq. (50)] negative, and thus forcing the longitudinal helicity amplitude to vanish and simplifying the example to a single (transverse) amplitude. So, instead of $^4\mathrm{He}(e,e'\pi^0)^4\mathrm{He}$ it seems better to have, e.g., $^{16}\mathrm{O}(e,e'\,^4\mathrm{He})^{12}\mathrm{C}$. No part of the following discussion or conclusions are affected by this change.

The constraints due to the combined action of time-reversal invariance and unitarity on the inclusive polarized inelastic electron-deuteron scattering cross section [Eq. (88)] were not investigated in this paper, although it was pointed out at the end of Sec. II G that $W_{LT}(P_y) = 0$. Upon investigation of the time-reversal properties of the forward Compton amplitudes for the deuteron, we have found that there is only one other such relation: $W_{LT'}(P_{yz}) = 0$. All other results and conclusions remain unchanged.

