ERRATA

Erratum: “The Coulomb Resonances and Dynamics of Electrodintegration of Nuclei by High-Energy Electrons” [Physics of Particles and Nuclei, 2010, Vol. 41, No. 1, pp. 108–148]

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Formulas 32, 49, 97, 114, 115 and 130 should read as follows:

$$k' \longrightarrow k'^{ef} = \sqrt{\left(\varepsilon' + \frac{3Ze^2}{2R}\right)^2 - m^2}, \quad (32)$$

$$S_{KI}^{(+)} = (S_{KI}^{(-)})^{-1}, \quad R_{KI}^{(+)}(r) = R_{KI}^{(-)}(r)(S_{KI}^{(-)})^{-1}, \quad (49)$$

$$A_{KI}^{(+)} = A_{KI}^{(-)}(S_{KI}^{(-)})^{-1},$$

$$V_{xlj}(r) = V_{xws}(r) + V_c(r) + \frac{l(l+1)}{2Mr^2} \quad (97)$$

$$+ \kappa[(l+j_l^* - 1)(l+j_l^* + 1) - l(l+1)] \frac{2dV_{xws}}{d(r^2)}.$$

$$A_{KL}^{(-)}(E) = (w_{GX}^L(E) - w_{FY}^L(E) + i(w_{GY}^L(E) + w_{FX}^L(E)))^{-1}. \quad (114)$$

$$|w_{GX}^L(E)| \gg 1; \quad |w_{GY}^L(E)| \gg 1; \quad (114)$$

$$|w_{FX}^L(E)| \ll 1; \quad |w_{FY}^L(E)| \ll 1;$$

$$q_\mu^2 = (\mathbf{k} - \mathbf{k}')^2 - (\varepsilon - \varepsilon')^2 = 4kk' \left(\sin^2 \frac{\theta'}{2} + \frac{\lambda^2}{4} \right), \quad (130)$$

Page 108, left column. The first sentence of the second paragraph should read as follows:

Inelastic scattering of the high-energy electron on the nucleus is accompanied by the transfer of energy $\omega = \varepsilon - \varepsilon'$ ($\omega > 0$ ($\omega > 0$; $\varepsilon, \varepsilon'$ – are the initial and final energies of the scattered electron) and momentum $\mathbf{q} = \mathbf{k} - \mathbf{k}'$ ($\mathbf{k}, \mathbf{k}'$ are the electron momenta before and after the act of inelastic collision of the electron and nucleus) to the nucleus

Page 132, right column. The second sentence of the second paragraph should read as follows:

Performing the analysis completely identical to the chain of formulas (50)–(85), we can affirm that the relations are the initial formulas for determining the main characteristics (E_{NLJ}^r , γ_{NLJ}^r , $A_{NLJ}^{(-)}(E_{NLJ}^r)$) of Coulomb resonances in the shell model with the jj -coupling.

Page 138, left column. The second sentence of the first paragraph should read as follows:

In other words, if for two nuclei with mass numbers A_1 and A_2 , inequalities $Z_1 > Z_2$, $N_1 > N_2$ are valid and, consequently, $A_1 > A_2$ as well, then as a rule, for almost all nuclear targets and in all measured in [8] points of argument ω_i , inequalities $\sigma_{A_1}(\omega_i, \theta') > \sigma_{A_2}(\omega_i, \theta') \forall (A_1 > A_2)$ take place.

Page 141, left column. The fifth sentence of the first paragraph should read as follows:

If we additionally add to this the factor of a noticeable increase in technical difficulties and the laboriousness of numerical integration of (125) over $d\Omega' \equiv d\Omega_{\mathbf{k}'}$ (compared with similar to (29) integration over $d\Omega_{\mathbf{k}}$), it is not complicated to predict the initially reasonable skepticism in prospect evaluation of this branch in the theoretical investigation of reactions $A(e, e'p)(A-1)$.