Erratum

Experimental and theoretical cross sections for photoionization of metastable $\text{Xe}^*(6s\ ^3\text{P}_2, ^3\text{P}_0)$ atoms near threshold

R. Kau, I.D. Petrov, V.L. Sukhorukov, H. Hotop

Fachbereich Physik, Universität Kaiserslautern, D-67653 Kaiserslautern, Germany

Z. Phys. D **39**, 267–281 (1997)

In the paper cited above some errors have to be corrected. In what follows the corrected expressions are given.

In the asymptotic expression (13) (page 272, right column) the bracket $(kr + \delta_l)$ should be replaced by $(kr - l\pi/2 + (Z_{\text{eff}}/k) \ln(2kr) + \delta_l)$ where the phase shift δ_l represents the sum $\delta_l = \arg \Gamma(l + 1 - i Z_{\text{eff}}/k) + \varphi_l$; φ_l is the short-range phase shift. We note that the same remarks refer to equation (24) in our previous paper on Ne^* (R. Kau, I.D. Petrov, V.L. Sukhorukov, H. Hotop, J. Phys. B **29** (1996) 5673–5698).

On page 274, left column, second line it should read: $(d = (d/dr \mp l_{\text{max}}/r)$

On page 276, right column, second line it should read: amplitudes (21a,d)

In Fig. 7 (page 277, right column) it should read behind the label (a): $5p^4\ (6s)\ \{d\}$ and behind the label (c): $5p^5\ \{p\}$

On page 277, right column, second and third line from bottom it should read: IP(6s)

In Fig. 8 (page 278, left column) it should read in the headline: $\varepsilon f_{5/2}$

On page 278, right column, lines 4,5, and 8 it should read, respectively: (17); (18)...; ...Fig. 10...

On page 280, left column, line 7 it should read: Theoretical results are presented over the photoelectron energy range 0–6 eV.