Erratum

Quantum charge density fluctuations and the $\gamma - \alpha$ phase transition in Ce

A.V. Nikolaev[1,2,a] and K.H. Michel[1]

1 Department of Physics, University of Antwerp, UIA, 2610 Antwerpen, Belgium
2 Institute of Physical Chemistry of RAS, Leninskii prospect 31, Moscow, 117915, Russia

Here we want to correct a few numerical values and misprints as they were reported in Eur. Phys. J. B **9**, 619–634 (1999) [1].

In equation (A.6) the obtained value $\Lambda = 346$ K corresponds to $r_f = 1.156$ a.u. and not to $r_f = 1.378$ a.u. as was quoted erroneously in [1]. Secondly, expression (5.16) of [1] should be replaced with $\Lambda = -445$ K/a.u. (-841 K/Å) which leads to $\Delta a = -0.0022$ Å. The corrected value is twice the quantity Δa reported in [1]. We discuss the numerical values in a forthcoming paper, where radial dependence of $4f$ electron is taken into account [A.V. Nikolaev, K.H. Michel, Eur. Phys. J. B **17**, 15–32 (2000)].

In Table 3, $-\beta$ (last column, third row) should be replaced with $+\beta$. In the last column of Table 5, $-\lambda$ (first row) should be replaced with $+\lambda$, $-\mu$ (second row) – with ν and $-\nu$ (third row) – with μ.

In Table 1, $i = 7, 8$ correspond to $\Gamma_7, 2$ (third row, second column) while $i = 13, 14$ – to Γ_6 (fifth row, second column).

In equation (4.7d), $c_3^{(2)}(hl)\,c_4^{(2)}(li)$ has to be replaced by $c_2^{(2)}(il)\,c_2^{(2)}(li)$, on the right hand side of equation (5.11) in front of the summation sign one should read i instead of $\frac{i}{2}$.

a e-mail: alex@uia.ua.ac.be