

Erratum

**Dielectronic recombination data for dynamic
finite-density plasmas**

V. The lithium isoelectronic sequence

J. Colgan¹, M. S. Pindzola¹, and N. R. Badnell²

¹ Department of Physics, Auburn University, Auburn, AL 36849, USA
e-mail: jcolgan@physics.auburn.edu

² Department of Physics, University of Strathclyde, Glasgow, G4 0NG, UK
e-mail: badnell@phys.strath.ac.uk

A&A, 417, 1183–1188 (2004), DOI: 10.1051/0004-6361:20034197

Key words. atomic data – atomic processes – plasmas – errata, addenda

In Table 1 of Colgan et al. (2004), the fitting coefficients for Cl^{14+} were inadvertently listed for the LS calculations. There were also typographical errors in the c_5 coefficient for Ca^{17+} , Ni^{25+} , and Zn^{27+} . The amended fitting coefficients for the intermediate coupling calculations are listed below in Table 1.

Table 1. Fitting coefficients c_i and E_i for Eq. (5) of Colgan et al (2004), for four ions of the lithium isoelectronic sequence. These coefficients refer to our intermediate-coupling calculations.

Ion	c_1	c_2	c_3	c_4	c_5	E_1	E_2	E_3	E_4	E_5
Cl^{14+}	3.600(−3)	2.293(−2)	4.167(−2)	9.714(−2)	2.354(−1)	6.719(+4)	3.192(+5)	2.895(+6)	5.433(+6)	2.819(+7)
Ca^{17+}	6.404(−3)	3.502(−2)	2.084(−1)	3.362(−1)	1.823(−2)	3.796(+4)	3.975(+5)	5.759(+6)	3.506(+7)	8.737(+7)
Ni^{25+}	1.743(−2)	7.232(−2)	1.884(−1)	3.781(−1)	5.618(−1)	6.560(+4)	5.778(+5)	7.056(+6)	1.565(+7)	7.704(+7)
Zn^{27+}	1.892(−2)	7.764(−2)	6.135(−2)	5.804(−1)	6.481(−1)	6.620(+4)	5.557(+5)	3.394(+6)	1.392(+7)	8.379(+7)

References

Colgan, J., Pindzola, M. S., & Badnell, N. R. 2004, A&A, 417, 1183