

HYPERFINE STRUCTURE CALCULATIONS FOR HIGHLY CHARGED HYDROGEN-LIKE IONS

— Investigations of nuclear charge and magnetization distributions

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ADDENDA & ERRATA*

- List of Publications, Paper I, this paper was published as:
H. Persson, S. Salomonson, P. Sunnergren, I. Lindgren, and M.G.H. Gustavsson. A theoretical survey of QED tests in highly charged ions. *Hyperfine Interactions*, 108(1–3):3–17, 1997.
- List of Publications, Paper II, this paper was published as:
Martin G. H. Gustavsson and Ann-Marie Mårtensson-Pendrill. Four Decades of Hyperfine Anomalies. *Advances in Quantum Chemistry*, 30:343–360, 1998.
- List of Publications, Paper III, this paper was published as:
J. R. Crespo López-Urrutia, P. Beiersdorfer, K. Widmann, B. B. Brinkert, A.-M. Mårtensson-Pendrill, and M. G. H. Gustavsson. Nuclear magnetization distribution radii determined by hyperfine transitions in the $1s$ level of H-like ions $^{185}\text{Re}^{74+}$ and $^{187}\text{Re}^{74+}$. *Physical Review A*, 57(2):879–887, 1998.
- List of Publications, Paper IV, this paper was published as:
Martin G. H. Gustavsson and Ann-Marie Mårtensson-Pendrill. Need for remeasurements of nuclear magnetic dipole moments. *Physical Review A*, 58(5):3611–3618, 1998.
- List of Publications, Paper V, this paper was published as:
Martin G. H. Gustavsson, Christian Forssén, and Ann-Marie Mårtensson-Pendrill. Thallium hyperfine anomaly. *Hyperfine Interactions*, 127(1–4):347–352, 2000.
- List of Publications, Paper VI, this paper was published as:
Ann-Marie Mårtensson-Pendrill and Martin G. H. Gustavsson. *The Atomic Nucleus*, Handbook of Molecular Physics and Quantum Chemistry, editor Steve Wilson, vol 1, chapter 30, John Wiley & Sons (2003).
- List of Publications, Paper VII, this paper was been published as:
Peter Beiersdorfer, Steven B. Utter, Keith L. Wong, José R. Crespo López-Urrutia, Jerry A. Britten, Hui Chen, Clifford L. Harris, Robert

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S. Thoe, Daniel B. Thorn, Elmar Träbert, Martin G. H. Gustavsson, Christian Forssén, and Ann-Marie Mårtensson-Pendrill. Hyperfine structure of hydrogen-like thallium isotopes. *Physical Review A*, 64(3):032506, 2001.

- Page 11, the word “radiative” in the last sentence of Sec. 2.2 should be replaced with “QED”.
- References to “Paper IV” should be to “Paper IV and Appendix C” in the following cases: page 22, Sec. 3.3, last sentence; page 26, Table 4.1, second sentence of the caption; page 30, Table 4.5, second sentence of the caption; page 30, Sec. 4.4, line 6.
- Page 30, Table 4.5, the second line of the caption should end with “Table 4.1”.
- Page 50, Sec. Zeeman effect, line 4, the minus sign in the last term should be removed.
- Page 65, Ref. [52], the publication data should be followed by “Erratum in *Physical Review A* 58(2):1610.”.
- Page 67, Ref. [70], the chemical symbols “Kr” and “Pb” in the title should be separated by a comma; moreover, it is obvious from the content of the article that “Pb” in the title should be “Pd”.