

Timothy J. S. Martin

CONTACT INFORMATION

Chemistry-Physics 393
Department of Physics
University of Kentucky
Lexington, KY 40506

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RESEARCH INTERESTS

Theoretical particle physics. Bound state theory in QED.

EDUCATION

University of Kentucky, Lexington, Kentucky USA

Ph.D., Physics, May 2011

- Dissertation Topic: “Universal Binding and Recoil Corrections to Bound State g -Factors”
- Advisor: Michael Eides

M.S., Physics, May 2009

B.S., Physics and Math, May, 2005

ACADEMIC EXPERIENCE

University of Kentucky, Lexington, Kentucky USA

Graduate Student

August, 2005 - 2011

Includes current Ph.D. research, Ph.D. and Masters level coursework and research/consulting projects.

Teaching Assistant

August, 2001 - present

Duties have included teaching recitation and labs, grading tests, and setting quizzes.

PUBLICATIONS AND PRESENTATIONS

Michael I. Eides and Timothy J.S. Martin. 2010. Universal Binding and Recoil Corrections to Bound State g Factors in Hydrogenlike Ions. Physical Review Letters. 105:100402

Michael I. Eides and Timothy J.S. Martin. 2011. Universality of Leading Relativistic Corrections to Bound State Gyromagnetic Ratios. Canadian Journal of Physics. 89(1): 117

COMPUTER SKILLS

- Languages: C, C++, Java, Javascript
- Applications: Mathematica, Maple, and Octave; \LaTeX ; common database, spreadsheet, and presentation software
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- Operating Systems: Linux, OS X, Windows