

Damon T. Spayde

Contact Information

Work Department of Physics
 Hendrix College
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Education

Ph.D. in Physics University of Maryland, College Park, MD, August 2001
 Dissertation: *Measurement of the Strange Magnetic Form Factor of the Proton Using Elastic Electron Scattering*
 Advisor: Prof. Elizabeth J. Beise

M.S. in Physics University of Maryland, College Park, MD, May 2000

B.A. in Physics with Honors, Phi Beta Kappa, Grinnell College, Grinnell, IA, May 1995

Experience

2007 – Present Assistant Professor, Physics Department, Hendrix College, Hendrix, AR

2004 – 2007 Assistant Professor, Physics Department, Grinnell College, Grinnell, IA

2001 – 2004 Postdoctoral Research Associate, Nuclear Physics Laboratory, University of Illinois at Urbana-Champaign, Urbana, IL

1996 – 2001 Graduate Research Assistant, Department of Physics, University of Maryland, College Park, MD

Professional Organizations

2007 – Present American Association of Physics Teachers

1998 – Present American Physical Society

1995 – Present Phi Beta Kappa

Honors

2001 Peter T. Demos Award for research at the MIT/Bates Linear Accelerator

1991 – 1995 Dean's List, Grinnell College

1991 – 1995 National Merit, National Science, and Westlake Scholarships, Grinnell College

Papers published (or accepted for publication) in refereed journals

- [1] D. Andorić *et al.*, *Transverse beam spin asymmetries at backward angles in elastic electron-proton and quasi-elastic electron-deuteron scattering*, accepted for publication in Phys. Rev. Lett (2011).
- [2] D. Andorić *et al.*, *The G0 experiment: apparatus for parity-violating electron scattering measurements at forward and backward angles*, Nucl. Instrum. Meth. A **646**, 59 (2011).
- [3] D. Androić *et al.*, *Strange quark contributions to parity-violating asymmetries in the backward angle G0 electron scattering experiment*, Phys. Rev. Lett. **104**, 012001 (2010).
- [4] D. S. Armstrong *et al.*, *Transverse beam spin asymmetries in forward-angle elastic electron-proton scattering*, Phys. Rev. Lett. **99**, 092301 (2007).
- [5] P. D. Brindza *et al.*, *The G0 spectrometer superconducting magnet system: From a challenging construction to reliable operations*, IEEE Trans. Appl. Supercond. **16**, 248 (2006).
- [6] D. S. Armstrong *et al.*, *Strange-quark contributions to parity-violating asymmetries in the forward G0 electron-proton scattering experiment*, Phys. Rev. Lett. **95**, 092001 (2005).
- [7] E. J. Beise, M. L. Pitt, and D. T. Spayde, *The SAMPLE experiment and weak nucleon structure*, Prog. Part. Nucl. Phys **54**, 289 (2005).
- [8] D. T. Spayde *et al.*, *The strange quark contribution to the proton's magnetic moment*, Phys. Lett. B **583**, 79 (2004).
- [9] T. M. Ito *et al.*, *Parity-violating electron deuteron scattering and the proton's neutral weak axial vector form factor*, Phys. Rev. Lett. **92**, 102003 (2004).
- [10] S. P. Wells *et al.*, *Measurement of the vector analyzing power in elastic electron proton scattering as a probe of double photon exchange amplitudes*, Phys. Rev. C **63**, 064001 (2001).
- [11] R. Hasty *et al.*, *Strange magnetism and the anapole structure of the proton*, Science **290**, 2117 (2000).
- [12] D. T. Spayde *et al.*, *Parity violation in elastic electron-proton scattering and the proton's strange magnetic moment*, Phys. Rev. Lett **84**, 1106 (2000).
- [13] D. H. Barkhuff *et al.*, *An energy feedback system for the MIT/Bates linear accelerator*, Nucl. Inst. Meth. A **450**, 187 (2000).

Invited papers presented at scientific meetings

- [1] D. T. Spayde for the G^0 collaboration, *Parity violating elastic $\vec{e} - p$ scattering asymmetries from the G^0 experiment*, Fall Meeting of the APS Division of Nuclear Physics, Chicago, IL, October 2004.
- [2] D. T. Spayde for the SAMPLE collaboration, *Updated results from the SAMPLE experiment*, International Workshop on Parity Violation and Hadronic Structure Part II, Grenoble, FRANCE, June 2004.
- [3] D. T. Spayde for the SAMPLE collaboration, *Recent results from the SAMPLE experiment*, ISHEPP XVI, Dubna, RUSSIA, June 2002.

- [4] D. T. Spayde for the SAMPLE collaboration, *Recent results from the SAMPLE experiment*, International Workshop on Parity Violation and Hadronic Structure Part I, Mainz, GERMANY, June 2002.

Colloquia, seminars, and special lectures

- [1] *Protons: Stranger Than You Think*, seminar, Hendrix College, Conway, AR, 7 March 2007.
- [2] *Protons: Stranger Than You Think*, seminar, Rhodes College, Memphis, TN, 1 February 2007.
- [3] *Protons: Stranger Than You Think*, seminar, Macalester College, St. Paul, MN, 20 April 2006.
- [4] *Protons: Stranger Than You Think*, seminar, Emporia State University, Emporia, KS, 27 February 2006.
- [5] *Protons: Stranger Than You Think*, seminar, McMurry University, Abilene, TX, 10 February 2006.
- [6] *Protons: Stranger Than You Think*, seminar, Mercyhurst College, Erie, PA, 27 January 2006.
- [7] *Protons: Stranger Than You Think*, seminar, LaGrange College, LaGrange, GA, 8 December 2005.
- [8] *Protons: Stranger Than You Think*, seminar, Grinnell College, Grinnell, IA, 28 November 2005.
- [9] *The G^0 experiment: looking for strangeness in nucleons*, seminar, Grinnell College, Grinnell, IA, 16 November 2004.
- [10] *The G^0 experiment: looking for strangeness in nucleons*, seminar, Grinnell College, Grinnell, IA, April 2004.
- [11] *The G^0 engineering runs*, seminar, Thomas Jefferson National Accelerator Facility, Newport News, VA, January 2004.
- [12] *Recent results from the SAMPLE experiment*, seminar, University of Illinois at Urbana-Champaign, Urbana, IL 2001.
- [13] *Recent results from the SAMPLE experiment*, seminar, College of William and Mary, Williamsburg, VA, 2001.

Contributed papers presented at scientific meetings

- [1] D. T. Spayde for the SAMPLE collaboration, *Recent results from the SAMPLE experiment*, Bull. Am. Phys. Soc. **44**, 33 (1999).

Contributed papers presented at scientific meetings by students

- [1] U. Garimella and D. T. Spayde, *The optimization and implementation of the Qweak database*, 2011 APS March Meeting, Dallas, TX, 21–25 March 2011.
- [2] E. Urban and D. T. Spayde, *Optimization and accessibility of the Qweak database*, 2010 Fall Meeting of the APS Division of Nuclear Physics, Santa Fe, NM, 2–6 November 2010.

- [3] R. Leonard and D. T. Spayde, *Designing and testing a database for the Qweak experiment*, Third Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, HI, 13–17 October 2009.
- [4] T. G. Nichols and D. T. Spayde, *The design and commissioning of a polarized helium-3 test stand*, Third Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, HI, 13–17 October 2009.
- [5] E. Holcomb, D. T. Spayde, and T. Pote, *Designing and testing a database for the Qweak measurement*, 2009 APS April Meeting, Denver, CO, 2–5 May 2009.
- [6] T. Pote, *Storing data from Qweak – a precision measurement of the proton’s weak charge*, 2008 Annual Meeting of the Division of Nuclear Physics, Oakland, CA, 23–26 October 2008.

Papers published in their entirety in proceedings of scientific meetings and conferences

- [1] D. T. Spayde for the SAMPLE collaboration, *Updated results from the SAMPLE experiment*, Eur. Phys. J. A **24**, 51 (2005).
- [2] D. T. Spayde for the SAMPLE collaboration, *Recent results from the SAMPLE experiment*, To be published in the proceedings of the 2002 International Workshop on Parity Violation and Hadronic Structure Part I.

Undergraduate Research Supervised

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| Summer 2011 | Vincent Gammill and Grace Trees, “Nuclear Physics at Hendrix”, Undergraduate Research Odyssey Project, Hendrix College. Funded by NSF Award #1068032. |
| Summer 2011 | Taylor Davenport, “An Ultra-precise Measurement of the Weak Mixing Angle Using Møller Scattering”, Professional Development Odyssey Project, Hendrix College. |
| Summer 2010 | Udai Garimella and Erik Urban, “In Search of a ‘New Standard Model’: Probing New Physics with the Qweak Experiment”, Undergraduate Research Odyssey Project, Hendrix College. Funded by Hendrix College Odyssey Program. |
| Fall 2009 | Timothy G. Nichols, PHYS 450 Directed Research, Hendrix College. |
| Summer 2009 | Timothy G. Nichols, “The effect of non-uniform spin dressing fields and polarization lifetime in helium-3 gas”, Undergraduate Research Odyssey Project, Hendrix College. Funded by Hendrix College Odyssey Program. |
| Summer 2009 | Rebecca L. Leonard, “Software Development for the Qweak Experiment”, Undergraduate Research Odyssey Project, Hendrix College. |
| Spring 2009 | Timothy G. Nichols, PHYS 450 Directed Research, Hendrix College. |
| Fall 2008 | Timothy M. Pote, PHYS 450 Directed Research, Hendrix College. |
| Summer 2008 | Edward Holcomb and Timothy M. Pote, “Testing the Standard Model with Electron-Proton Scattering”, Hendrix College. Funded by Hendrix College Odyssey Program. |

Summer 2008	Jean Pierre Rukundo, “Thinking Forward: Skills for a Future in Physics” (two weeks working on muon time-of-flight experiment), Professional Development Odyssey Project, Hendrix College. Funded by Hendrix College Odyssey Program.
Summer 2005	Kathryne Sparks, “ G^0 : Measuring Strange Quark Form Factors of the Proton”, Grinnell Mentored Advanced Project, Grinnell College. Funded by Grinnell College.
Summer 2004	B�er�enice Louprias, “Simulation for the M�oller Polarimeter in Hall C for the G^0 Experiment at Backward Angle”, Thomas Jefferson National Accelerator Facility.

Grants Awarded

2011 – Present	“RUI: Testing the Standard Model at Jefferson Lab”, National Science Foundation Research at Undergraduate Institutions Program: \$135,254.00 (NSF Award Number 1068032).
Fall 2010	Hendrix College Travel Grant to attend 2010 Annual Fall Meeting of the APS Division of Nuclear Physics in Santa Fe, NM: \$900.00.
Spring 2010	“In Search of a ‘New Standard Model’: Probing New Physics with the Qweak Experiment”, Hendrix College Odyssey Program: \$11,300.80.
Spring 2009	“Conference Experience for Undergraduates: Third Joint Meeting of the Nuclear Physics Divisions of the American Physical Society and the Japanese Physical Society”, Hendrix College Odyssey Program: \$6987.80.
Fall 2008	Hendrix College Travel Grant to attend 2008 Annual Fall Meeting of the APS Division of Nuclear Physics in Oakland, CA: \$1200.
Spring 2008	“Conference Experience for Undergraduates: Testing the Standard Model”, Hendrix College Odyssey Program: \$2050.
Spring 2008	“Testing the Standard Model with Electron-Proton Scattering”, Hendrix College Odyssey Program: \$8,235.50.
Fall 2007	Hendrix College Travel Grant to attend 2008 April Meeting of APS in St. Louis, MO: \$900.
Spring 2007	Midstates Consortium for Math and Science Speaker Series Grant to bring Tonnis ter Veldhuis of Macalester College to Grinnell College to give a seminar entitled “Beyond the Standard Model” on 3 April 2007: \$470.
Fall 2006	Grinnell College Travel Grant to attend 2007 April Meeting of APS in Jacksonville, FL: \$1760.
Fall 2005	Grinnell College Travel Grant to attend 2006 April Meeting of APS in Dallas, TX: \$1865.
Spring 2005	Grinnell College Internal Grant to support Kathryne Spark’s summer research: \$4000.

Fall 2004 Grinnell College Travel Grant to present invited talk at 2004 APS DNP Meeting in Chicago, IL: \$1070.

Grant Proposals Submitted

Spring 2011 “Nuclear Physics at Hendrix”, Hendrix College Odyssey Program: \$10,888.50. Grant not awarded.

Fall 2010 “Nuclear Physics: Expanding Student Research Opportunities at Hendrix”, Hendrix College Odyssey Professorship: \$75,000.00. Grant not awarded.

Fall 2010 “Testing the Standard Model at Jefferson Lab”, Department of Energy Office of Science Financial Assistance Program: \$136,000.00. Proposal withdrawn.

Fall 2009 “RUI: Standard Model Tests Using Parity-Violating Electron Scattering”, National Science Foundation Research at Undergraduate Institutions Program: \$150,899.00. Grant not awarded.

Spring 2009 “Software Development for the Qweak Experiment”, Hendrix College Odyssey Program: \$5142.75. Grant not awarded.

Spring 2009 “The Qweak Experiment: An Odyssey into the Frontiers of Science”, Hendrix College Odyssey Professorship: \$79,391.17. Grant not awarded.

Fall 2008 “The effect of nonuniform spin dressing fields on polarization lifetime in helium-3 gas” submitted to Research Corporation’s Cottrell College Science Award program. Total budget of \$53,723.61, Hendrix College matching funds of \$8,953.94. Grant not awarded.

Fall 2007 “A study of the interaction between nonresonant radiofrequency fields and polarized helium-3” submitted to Research Corporation’s Cottrell College Science Award program. Total budget of \$53,293.18, Hendrix College matching funds of \$8,883.00. Grant not awarded.

Student Hendrix Odyssey Proposals Sponsored

Spring 2011 Julian Giller, “Liquid Crystal Materials Research at the University of Colorado”, Undergraduate Research, Hendrix College. No funds requested.

Spring 2011 Bryce Martin, “Circuit-Bending and Musical Composition with ‘Bent’ Objects”, Special Projects, Hendrix College. Funded for \$520.00.

Summer 2010 Julian Giller, “Research Experience for Undergraduates in Modern Optics and Optical Material at the University of Arkansas, Fayetteville”, Professional and Leadership Development, Hendrix College. No funds requested.

Summer 2010 Zachary McCallum, “Volunteering at Methodist Healthcare”, Service to the World, Hendrix College. No funds requested.

Fall 2009 Laura Johnson, “Physics Lab Assistant”, Professional Leadership and Development, Hendrix College. No funds requested.

Summer 2009	Timothy G. Nichols, “The effect of non-uniform spin dressing fields and polarization lifetime in helium-3 gas”, Undergraduate Research, Hendrix College. Funded for \$3,609.50.
Summer 2008	Timothy G. Nichols, “Neutron Electric Dipole Moment”, Professional and Leadership Development, Hendrix College. No funds requested.
Summer 2008	Adam Jacobs, “Summer Internship Through Princeton Plasma Physics Lab and General Atomics”, Professional and Leadership Development, Hendrix College. No funds requested.
Summer 2008	Alice Riley, “Upward Bound Internship”, Professional and Leadership Development, Hendrix College. No funds requested.

Professional Development

November 2007	Attended Workshop for New Physics and Astronomy Faculty sponsored jointly by the American Physical Society, American Association of Physics Teachers, and American Astronomical Society.
July 2004	Attended New Faculty Workshop sponsored by the Midstates Consortium for Math and Science at Hope College in Holland, MI.

Professional Service

2010 – 2011	External reviewer for the Department of Energy Small Business Innovation Research grant program.
Fall 2010	Reviewer for the American Physical Society Division of Nuclear Physics Conference Experience for Undergraduates program.
Spring 2007	Reviewed several chapters on thermodynamics and statistical physics for a new calculus-based introductory physics textbook to be published by Prentice-Hall.

College Service

April 2011	Participated in a panel for high school counselors organized by Admissions.
2010 – Present	Served on Committee on Academic Advising.
2010 – 2011	Served as Hayes Scholarship Selection judge.
2008 – 2010	Served on College Conduct Council (3 boards).
2008 – 2010	Served on Council of New Student Advisors (16 total first-year advisees).
2008 – Present	Served on Sustainability and Making Science Visible Working Groups (two of several groups working on new academic initiatives).
2007 – Present	Active in local chapter of Phi Beta Kappa. <ul style="list-style-type: none"> • Fall 2010: Arranged posters for public lecture “The Next Phase of Martian Exploration: The Search for Life”, by Phi Beta Kappa Visiting Scholar, Dr. Peter Smith.

- Fall 2008: Arranged advertising for public lecture, “Embodied Cosmopolitanism and the British Romantic Woman Writer”, by Phi Beta Kappa Visiting Scholar, Dr. Anne Mellor.
- 2007 – Present Have spoken with a significant number of prospective students via Admissions’ Faculty Conversations program.
- Fall 2007 Participated in a reading group sponsored by the Hendrix-Murphy Foundation in support of the “Possible World, Other Worlds in Literature and Language” program. The book was “A Separate War and Other Stories” by Joe Haldeman.
- Fall 2005 Participated in Grinnell College Medallion Ceremony for incoming first year students.
- Summer 2005 Helped interview candidates for position of Director of Alumni and Community Relations, Grinnell College.

Department Service

- 2010 – 2011 Served on search committee for visiting assistant professor of physics.
- Fall 2010 Made travel and housing arrangements for one student presenting at 2010 Annual Fall Meeting of the APS Division of Nuclear Physics in Santa Fe, NM.
- Summer 2010 Made travel and housing arrangements for two students working on Qweak experiment at Thomas Jefferson National Accelerator Facility in Newport News, VA for two weeks.
- Summer 2010 Served on search committee for new physics department lab manager.
- Fall 2009 Made travel and housing arrangements for two students presenting at the Third Meeting of the American and Japanese Physical Societies Divisions of Nuclear Physics in Waikoloa, HI.
- Fall 2008 Made travel and housing arrangements for two students presenting at 2008 Annual Fall Meeting of the APS Division of Nuclear Physics in Oakland, CA.
- Spring 2008 Made travel and housing arrangements for two students presenting at 2008 April Meeting of the American Physical Society in St. Louis, MO.
- 2007 – Present Maintain and update department webpage.
- 2007 – Present Extensive work on General Physics lab curriculum.
 - Spring 2010: Helped rework a single existing lab on optics into two new labs: “Geometric Optics” and “Interference and Diffraction”.
 - Fall 2008: Wrote three new labs utilizing recently purchased air table apparatus: “Projectile Motion” and “Two-Dimensional Collisions I and II”
 - Spring 2008: Rewrote speed of light lab to include speed of light in dense material and speed of sound in air (this module included material originally prepared by Richard Rolleigh).

- Fall 2007: Rewrote lab on torque and rotational equilibrium to implement discovery-based physics pedagogy.
- Fall 2007: Initiated the purchase of air tables and spark generators to add new labs in Fall 2008.

Community Service

April 2011	Led several groups of 4th graders on a “Solar System Walk” as part of a field trip to Hendrix College by Ida Burns Elementary School in Conway, AR.
March 2010	Participated in “Science Café Little Rock” panel entitled “The Warped Side of the Universe” at Vieux Carre in Little Rock, AR.
February 2010	Preschool educational outreach at the Early Childhood Center in Conway, AR.

Courses Taught

Spring 2012	PHYS 320 Electrodynamics, Hendrix College PHYS 340 Electronics, Hendrix College
Fall 2011	PHYS 160 Astronomy, Hendrix College PHYS GP1 General Physics I Lab (two sections), Hendrix College
Spring 2011	PHYS 160 Astronomy, Hendrix College PHYS 240 General Physics II, Hendrix College PHYS 240L General Physics II Lab, Hendrix College
Fall 2010	PHYS 230L General Physics I Lab (two sections), Hendrix College PHYS 370 Thermal Physics, Hendrix College
Spring 2010	PHYS 220L General Physics II Lab, Hendrix College PHYS 240 General Physics II, Hendrix College PHYS 320 Electrodynamics, Hendrix College
Fall 2009	PHYS 230 General Physics I (two sections), Hendrix College PHYS 230L General Physics II Lab, Hendrix College
Spring 2009	PHYS 160 Astronomy, Hendrix College PHYS 240 General Physics II, Hendrix College PHYS 240L General Physics II Lab, Hendrix College
Fall 2008	PHYS 230L General Physics I Lab (two sections), Hendrix College PHYS 370 Thermal Physics, Hendrix College
Spring 2008	PHYS 240L General Physics II Lab (two sections), Hendrix College PHYS 320 Electrodynamics, Hendrix College
Fall 2007	PHYS 210L General Physics I Lab (two sections), Hendrix College PHYS 370 Thermal Physics (canceled due to low enrollment), Hendrix College
Spring 2007	PHY 131 General Physics I (Discovery-Based Format), Grinnell College PHY 314 Thermodynamics and Statistical Physics, Grinnell College

Fall 2006	PHY 131L General Physics I Lab, Grinnell College PHY 132 General Physics II (Discovery-Based Format), Grinnell College PHY 310 Computational Physics, Grinnell College
Spring 2006	PHY 132L General Physics II Lab, Grinnell College PHY 314 Thermodynamics and Statistical Physics, Grinnell College Family Leave (one course reduction), Grinnell College
Fall 2005	PHY 131L General Physics I Lab, Grinnell College PHY 335 Electromagnetic Theory, Grinnell College Family Leave (one course reduction), Grinnell College
Spring 2005	PHY 132 General Physics II (Lecture Format), Grinnell College PHY 132L General Physics II Lab, Grinnell College PHY 314 Thermodynamics and Statistical Physics, Grinnell College
Fall 2004	PHY 131 General Physics I (Lecture Format), Grinnell College PHY 131L General Physics I Lab, Grinnell College PHY 335 Electromagnetic Theory, Grinnell College

Travel (Since July 2006)

July 2011	Spent one and a half weeks at College of William and Mary in Williamsburg, VA attending Qweak analysis and collaboration meetings. Accompanied by two undergraduate researchers for analysis meeting: Vincent Gammill and Grace Trees.
May 2011	Spent one week at Thomas Jefferson National Accelerator Facility in Newport News, VA working on Qweak experiment.
January 2011	Accompanied Tom Goodwin, Andres Caro, and Andrea Duina to Philander Smith College in Little Rock, AR for one day meeting to explore possible common endeavors.
December 2010	Attended MOLLER collaboration meeting at Thomas Jefferson National Accelerator Facility in Newport News, VA.
November 2010	Accompanied one Hendrix College student, Erik Urban, presenting a poster at the 2010 Annual Meeting of the APS Division of Nuclear Physics in Santa Fe, NM.
October 2010	Spent one week at Thomas Jefferson National Accelerator Facility in Newport News, VA working on Qweak experiment.
June 2010	Spent two and a half weeks at Thomas Jefferson National Accelerator Facility in Newport News, VA working on Qweak experiment. Accompanied by two undergraduate researchers for first two weeks: Udai Garimella and Erik Urban.
January 2010	Attended Qweak collaboration meeting at Thomas Jefferson National Accelerator Facility in Newport News, VA.
October 2009	Accompanied two Hendrix College physics majors, Rebecca Leonard and Timothy Nichols, presenting talks at the Third Meeting of the American and Japanese

Physical Societies Divisions of Nuclear Physics in Waikoloa, HI.

- July 2009 Attended Qweak collaboration meeting at Thomas Jefferson National Accelerator Facility in Newport News, VA.
- October 2008 Accompanied two Hendrix College physics majors, Timothy Pote and Timothy Nichols, presenting talks at the 2008 Annual Meeting of the APS Division of Nuclear Physics in Oakland, CA.
- July 2008 Attended G0 and Qweak collaboration meetings at TRIUMF in Vancouver, BC, Canada.
- June 2008 Spent one week at the University of Illinois at Urbana-Champaign investigating research opportunities with Dr. Douglas H. Beck. Resulted in a grant proposal to Research Corporation's Cottrell College Science Award program, "The effect of nonuniform spin dressing fields on polarization lifetime in helium-3 gas".
- April 2008 Accompanied two Hendrix College physics majors, Adam Jacobs and Josh Wilson, presenting talks at the April Meeting of the American Physical Society in St. Louis, MO.
- January 2008 Attended Qweak collaboration meeting at Thomas Jefferson National Accelerator Facility in Newport News, VA.
- November 2007 Attended Workshop for New Physics and Astronomy Faculty at the American Center for Physics in College Park, MD.
- October 2007 Attended Fall Meeting of the APS Division of Nuclear Physics in Newport News, VA.
- July 2007 Attended Qweak collaboration meeting at TRIUMF in Vancouver, BC, Canada.
- July 2007 Spent two weeks at the University of Illinois at Urbana-Champaign investigating research opportunities with Dr. Douglas H. Beck. Resulted in a grant proposal to Research Corporation's Cottrell College Science Award program, "A study of the interaction between nonresonant radiofrequency fields and polarized helium-3".
- May 2007 Attended G0 collaboration meeting at University of Maryland in College Park, MD.
- April 2007 Attended April Meeting of the American Physical Society in Jacksonville, FL.
- July 2006 Spent two weeks at the Thomas Jefferson National Accelerator Facility taking shifts on the G0 experiment.