

## Curriculum Vitae

### Linn D. Van Woerkom

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#### EDUCATION

**Ph.D. Physics** University of Southern California, (8/87)  
Thesis: *Branching Ratios of Multiphoton Excited Autoionizing States.*  
Advisor: Professor William E. Cooke  
**M.A. Physics** University of Southern California, (12/83)  
**B.S. Physics** University of Southern California, (8/82), Summa Cum Laude

#### EXPERIENCE

10/98 – present **Associate Professor**, Ohio State University  
9/92 – 9/98 **Assistant Professor**, Ohio State University  
7/90 - 9/92 **Staff Physicist**, Livermore National Labs  
6/89 - 6/90 **Research Associate Faculty**, University of Maryland  
6/87 - 5/89 **Postdoctoral Member of Technical Staff**, AT&T Bell Labs  
6/82 - 5/87 **Research Assistant**, University of Southern California  
1/82 - 12/82 **Teaching Assistant**, University of Southern California

#### PROFESSIONAL AFFILIATIONS

**American Physical Society**  
**Optical Society of America**

95-98 **Member of Technical Program Committee**, Division of Atomic, Molecular and Optical Physics (DAMOP) Meeting of the American Physical Society.

8/94 **Member of Technical Program Committee**, High Field Interactions and Short Wavelength Generation Topical Meeting of the Optical Society of America.

#### HONORS

2000 **Ohio State University Distinguished Teaching Award**  
1982 **Idalene Merrill Estate Fellowship - USC**  
1982 **Rockwell Dennis Hunt Scholarship - USC**  
1982 **President's Circle Award - USC**  
1978-1982 **Trustee Scholar - USC**  
1978 **Presidential Scholar Award - USC**

## SCIENTIFIC INTERESTS

My primary scientific interests lie in the study of the interaction of high intensity ultrashort laser pulses with matter. To this end I am pursuing three main lines of research:

1. My research involves the study of the dynamics of photoionization of atoms and molecules in strong fields and at very short times. One of the principal goals is to understand the evolution of photoionization from perturbation theory to the semi-classical tunneling regime. Utilizing time-of-flight (TOF) spectroscopy on ions and electrons, we are able to map out the evolution of atomic/molecular structure as a function of laser intensity. Exploitation of the properties of gaussian laser beams allows us to observe effects from greatly reduced volumes. Photoelectron studies of atomic ions and molecular systems will give us insight into the complexities found at very high laser intensities.
2. The interaction of ultrashort pulses with novel materials ranging from polymers to tissue is a thriving field. I am interested in developing and understanding applications utilizing high intensity ultrashort laser pulses. Currently I am beginning an effort in understanding the ultrafast photophysics of photosynthesis in the Photosystem II complex reaction centers.

## PUBLICATIONS

1. "Complimentary Branching Ratios by Satellite Excitation," L.D. Van Woerkom and W.E. Cooke, in Short Wavelength Coherent Radiation, ed. D.T. Attwood and J. Bokor, Optical Science and Engineering Series, Vol. 7, (AIP New York, 1986).
2. "Complimentary Branching Ratios by Satellite Excitation," L.D. Van Woerkom and W.E. Cooke, Phys. Rev. Lett. **57**, 1711 (1986).
3. "Measurement of the Lifetime of the Metastable  $5d_{3/2}2d_{3/2}$ ,  $J=0$  Autoionizing State of Barium," L.D. Van Woerkom, J.G. Story, and W.E. Cooke, Phys. Rev. A **34**, 3457 (1986).
4. "Two Step Stabilization of Autoionizing States," J.G. Story, L.D. Van Woerkom, and W.E. Cooke, Phys. Rev. A **34**, 4508 (1986).
5. "Efficient Multiphoton Excitation of Multiply Excited States," J.G. Story, L.D. Van Woerkom, and W.E. Cooke, JOSA B **4**, 811 (1987).
6. "Energy Dependent Branching Ratios of Autoionizing States," L.D. Van Woerkom and W.E. Cooke, Phys. Rev. A **37**, 3326 (1988).
7. "A Parabolic Mirror Electron Energy Analyzer for Multiphoton Photoemission Spectroscopy," L.D. Van Woerkom, D.J. Trevor, and R.R. Freeman, OSA Proceedings on Short Wavelength Coherent Radiation: Generation and Applications, Vol. 2, ed. R. Falcone and J. Kirz, Optical Society of America (1988)
8. "Saturation Effects in the Spatial and Energy Distributions in Short Pulse High Intensity Multiphoton Ionization," L.D. Van Woerkom, R.R. Freeman, W.E. Cooke, and T.J. McIlrath, Journal of Modern Optics, **36**, 817 (1989).
9. "A Parabolic Mirror Time-Of-Flight Electron Energy Analyzer," D.J. Trevor, L.D. Van Woerkom, and R.R. Freeman, Review of Scientific Instruments **60**, 1051 (1989).
10. "The Complex Spatial Structure of Ion Yield Arising from High Intensity Multiphoton Ionization," T.J. McIlrath, R.R. Freeman, W.E. Cooke, and L.D. Van Woerkom, Phys. Rev. A **40**, 2770 (1989).
11. "On the Problem of the 'New' Structure in Multiphoton Ionization Produced by Short Pulse High Intensity Lasers," R.R. Freeman, W.E. Cooke, L.D. Van Woerkom, and T.J. McIlrath, Proc. of Fundamentals of Laser Interactions II Conference, Obergurgl, Austria, Feb. 1989.
12. "Spatial Distributions of Ions in Short Pulse High Intensity Multiphoton Ionization," R.R. Freeman, L.D. Van Woerkom, W.E. Cooke, and T.J. McIlrath, Proceedings of the 9th International Conference on Laser Spectroscopy (NICOLS '89).
13. "Nonresonant Above-Threshold Ionization by Circularly Polarized Subpicosecond Pulses," P.H. Bucksbaum, L.D. Van Woerkom, R.R. Freeman, and D.W. Schumacher, Phys. Rev. A **41**, 4119 (1990).
14. "Photoionization of Atoms with Ultra-Short Laser Pulses," R.R. Freeman, P.H. Bucksbaum, W.E. Cooke, G. Gibson, T.J. McIlrath, and L.D. Van Woerkom, Book Chapter in **Atoms in Intense Laser Fields**, a volume of Advances in Atomic, Molecular & Optical Physics, Ed. by Mihai Gavrila.
15. "The Prospect for Multiphoton Effects Using Soft X-Rays From Laser Driven Plasmas," R.R. Freeman, S.C. Davey, D.L. Windt, H.M. Milchberg, W.E. Cooke, and L.D. Van Woerkom, Proceedings of International Conferences on Multiphoton Physics (ICOMP), Paris, France, September, 1990.
16. "Prepulse Suppression Using a Self-Induced Ultrashort Pulse Plasma Mirror," D. Gold, H. Nathel, P.R. Bolton, W.E. White, and L.D. Van Woerkom, Proceedings of SPIE Conference on Short-Pulse High Intensity Lasers and Applications, ed. Hector A. Baldis, Vol. 1413, Los Angeles, CA, January, 1991.

17. "Ion Yields From Strong Optical Field Ionization Experiments Using 100 Fsec Laser Pulses," D.N. Fittinghoff, P.R. Bolton, B. Chang, L.D. Van Woerkom, and W.E. White, Proceedings of SPIE Conference on Short-Pulse High Intensity Lasers and Applications, ed. Hector A. Baldis, Vol. 1413, Los Angeles, CA, January, 1991.
18. "Soft X-ray Optic for an Efficient Laser Plasma Spectrometer," S.C. Davey, R.R. Freeman, T.J. McIlrath, L.D. Van Woerkom, W.K. Waskiewicz, and T. Lucatorto, OSA Proceedings on Short Wavelength Coherent Radiation: Generation and Applications, Monterey, CA, 1991.
19. "120-fs Terawatt Ti:Al<sub>2</sub>O<sub>3</sub>/Cr:LiSrAlF<sub>6</sub> Laser System," W.E. White, J.R. Hunter, L.D. Van Woerkom, T. Ditmire, and M.D. Perry, Optics Letters **17**, 1067 (1992).
20. "An Ellipsoidal Mirror Time-of-Flight Photoelectron Energy Analyzer," P. Hansch, J.R. Norby, S.H. Evans, and L.D. Van Woerkom, Review of Scientific Instruments **66**, 5512 (1995).
21. "Soft X-Ray Imaging from an Ultrashort Pulse Laser Produced Plasma Using a Multilayer Coated Optic," J.R. Norby and L.D. Van Woerkom, JOSA B **13**, 454 (1996).
22. "High Precision Intensity Selective Observation of Multiphoton Ionization: A New Method of Photoelectron Spectroscopy," P. Hansch and L.D. Van Woerkom, Optics Letters **21**, 1286 (1996).
23. "Spatially Dependent Multiphoton Multiple Ionization," P. Hansch, M.A. Walker and L.D. Van Woerkom, Phys. Rev. A **54**, R2559 (1996).
24. "Multiphoton Ionization with Precise Intensity Control," P. Hansch, M.A. Walker and L.D. Van Woerkom, Optics and Photonics News, **7**, 23 (1996)
25. "Hot Electron Enhancement Through Core Coupling?" L.D. Van Woerkom, P. Hansch and M.A. Walker, Proceedings of the 7th International Conference on Multiphoton Processes, Garmisch-Partenkirchen, Germany, Institute of Physics Conference Series **154**, 78 (1996).
25. "Resonant Hot Electron Production in Above Threshold Ionization," P. Hansch, M.A. Walker and L.D. Van Woerkom, Phys. Rev. A **55**, R2535 (1997).
26. "Soft X-rays from High Intensity Laser Interactions with Solids," M. Nandor and L.D. Van Woerkom, Phys. Rev. E **56**, 1273 (1997).
27. "Eight- and nine-photon resonances in multiphoton ionization of xenon," P. Hansch, M.A. Walker and L.D. Van Woerkom, Phys. Rev. A **57**, R709 (1998).
28. "Intensity Resolved Multiphoton Ionization: Circumventing Spatial Averaging," M. A. Walker, P. Hansch and L. D. Van Woerkom, Phys. Rev. A **57**, R701 (1998).
29. "Angular distributions of high intensity ATI and the onset of the plateau," M. J. Nandor, M. A. Walker and L. D. Van Woerkom, J. Phys. B **31**, 4617-4629 (1998).
30. "Detailed comparison of above-threshold-ionization spectra from accurate numerical integrations and high-resolution measurements," M. J. Nandor, M. A. Walker, L. D. Van Woerkom, and H. G. Muller, Phys. Rev. A **60**, R1771-R1774 (1999).

31. "On the Absence of Multielectron Effects in ATI Photoelectron Spectra of Argon," L. D. Van Woerkom, M. A. Walker and M. J. Nandor, Proceedings of the 8<sup>th</sup> International Conference on Multiphoton Processes, Monterey, California, American Institute of Physics Conference Proceedings Subseries on Atomic, Molecular and Chemical Physics, **525**, 70 (1999).
32. "ATI as a Probe of Multielectron Physics," L. D. Van Woerkom, M. J. Nandor, M. A. Walker, G.D. Gillen, H.G. Muller, Laser Physics, **11** #9 (2001).
33. "Enhanced Double Ionization with Circularly Polarized Light," G.D. Gillen, M.A. Walker, L.D. Van Woerkom, Phys. Rev A **64**, 043413 (2001).

## INVITED PRESENTATIONS

1. "High Intensity Multiphoton Ionization and Atomic Structure," Atomic Physics Seminar, City College of New York, January, 1989.
2. "The Role of Atomic Structure in High Intensity Multiphoton Ionization," Spring Meeting of the American Physical Society, Baltimore, MD, May, 1990.
3. "Temporal Measurements of Short Wavelength Bursts," Euroconference on the Generation and Application of Ultrashort X-Ray Pulses, Salamanca, Spain, March 1994.
4. "Ultrashort Pulse, High Intensity Laser Produced Plasma Soft X-Ray Imaging," Department of Physics Colloquium at University of Missouri, Rolla in February, 1995;
5. "Short Pulse, Short Wavelength X-rays from High Intensity Laser Produced Plasmas," Seminar at the Institute for Physical Sciences and Technology, University of Maryland in March, 1995;
6. "Soft X-Rays from High Intensity Laser Produced Plasmas," Physical Chemistry Seminar in the Chemistry Department at OSU in April, 1995.
7. "The Explosive Nature of Light," Department of Physics Colloquium, The College of William and Mary, VA, September, 1996
8. "Hot Electron Enhancement Through Core Coupling," L.D. Van Woerkom, P. Hansch, and M.A. Walker, International Conference on Multiphoton Processes VII (ICOMP VII), Garmisch-Partenkirchen, Germany, October 1996.
9. "Tunable Atoms and Optical Hammers," Department of Physics Colloquium, The Ohio State University, OH, October, 1996.
10. "Tunable Atoms and Optical Hammers," Department of Physics Colloquium, University of Connecticut, Storrs CT, 7 February 1997.
11. "Tunable Atoms and Optical Hammers," Department of Physics Atomic Physics Seminar, University of Kentucky, Lexington KY, 11 February 1997.
12. "Intense Laser Interactions: Hot Electrons and High Harmonic Ionization," Optical Society of America Topical Meeting on Applications of High Fields and Short Wavelength Sources VII, Santa Fe NM, March 1997.
13. "Very High Order ATI and Hot Electron Enhancement," Division of Atomic, Molecular and Optical Physics (DAMOP) Meeting of the American Physical Society, Washington, DC April 1997.
14. "Very High Order ATI: Multiple Excitations and Hot Electrons," Atomic Physics Gordon Research Conference, New England College, Henniker NH, July 1997.
15. "High Intensity Laser Photoionization: From bound states to structured continua," Electron Spectroscopy Gordon Research Conference, New England College, Henniker NH, July 1998.
16. "Conspicuous absence of multielectron effects in Argon ATI," Eighth International Conference on Multiphoton Physics (ICOMP VIII), Monterey, CA, October 1999.
17. "Ultrashort Pulse Lasers & Tunable Atoms," Department of Physics Seminar, Miami University, Oxford OH, 08 March 2000.
18. "Searching for multielectron effects in a sea of single electrons," Center for Materials Research Seminar, OSU, June 2000.

19. "Above-threshold ionization as a probe of multielectron effects," Plenary Talk, Laser Physics 2000 (LPHYS 2000), Bordeaux, France, July 2000.
20. "Atoms Over the Edge: High Intensity Multiphoton Ionization and More," Department of Physics Colloquium, University of Nebraska, Lincoln, NE, 19 September 2002.
21. "Physics on the Edge: Batteries to CDs", Winter College, The Ohio State University, Naples, FL, 28 February 2003.

## CONTRIBUTED WORK

1. "Multiphoton Transitions to Autoionizing States in an Atomic Vapor Cell," L.D. Van Woerkom, W.E. Cooke, and R.R. Freeman, Division of Electron and Atomic Physics (DEAP), Boulder, CO, 1983.
2. "Spectra of the 6pnd, J=1 Autoionizing States of Barium," L.D. Van Woerkom and W.E. Cooke, Division of Atomic, Molecular, and Optical Physics (DAMOP), Eugene, OR, 1986.
3. "Two Step Stabilization of Autoionizing States," J.G. Story, L.D. Van Woerkom, and W.E. Cooke, DAMOP, Eugene, OR, 1986.
4. "Branching Ratios of Short-Lived States," L.D. Van Woerkom and W.E. Cooke, DAMOP, Eugene, OR, 1986.
5. "Resonance Structure in Ultrashort Pulse Multiphoton Ionization," L.D. Van Woerkom, R.R. Freeman, W.E. Cooke, and T.J. McIlrath, Division of Atomic, Molecular, and Optical Physics (DAMOP), Windsor, Canada, 1989.
6. "The Complex Spatial Structure of Ion Yield Arising from High Intensity Multiphoton Radiation," W.E. Cooke, R.R. Freeman, L.D. Van Woerkom, and T.J. McIlrath, DAMOP, Windsor, Canada, 1989.
7. "Non-Linear Physics in the Soft X-Ray Regime," E.L. Raab, L.D. Van Woerkom, W.K. Waskiewicz, S.C. Davey, D. Umstadter, T.J. McIlrath, and R.R. Freeman, DAMOP, Windsor, Canada, 1989.
8. "Direct Measurement of the Duration of Sub-Picosecond Soft X-Ray Pulse," L.D. Van Woerkom, R.R. Freeman, S.C. Davey, W.E. Cooke, and T.J. McIlrath, High Energy Density Physics with Sub-Picosecond Lasers, Snowbird, Utah, September, 1989.
9. "X-Ray Autocorrelator," L.D. Van Woerkom, R.R. Freeman, W.E. Cooke, and T.J. McIlrath, SPIE Conference on Femtosecond to Nanosecond High Intensity Lasers and Applications, Vol. 1229, Los Angeles, CA, January, 1990.
10. "The Non-Linear Interaction of Visible Light and X-Rays: The Measurement of Femtosecond Duration Soft X-Ray Pulses," R.R. Freeman, L.D. Van Woerkom, T.J. McIlrath, and W.E. Cooke, Optical Society of America Topical Meeting on Ultrafast Phenomena, Monterey, CA, May, 1990.
11. "Characterizing the Optical Plasma Mirror Method of Prepulse Suppression for Intense Ultrashort Laser Pulses," D.M. Gold, H. Nathel, P.R. Bolton, W.E. White, and L.D. Van Woerkom, Conference on Lasers and Electro-Optics (CLEO '91), Baltimore, MD, May, 1991.
12. "Studies of Collisionless Gaseous Ionization Using Intense Ultrashort Laser Pulses of Duration Near 100 Fs," D.N. Fittinghoff, P.R. Bolton, B. Chang, J.K. Swenson, L.D. Van Woerkom, and W.E. White, Quantum Electronics and Laser Science Conference (QELS '91), Baltimore, MD, May, 1991.
13. "Towards  $10^{19}$  W/cm<sup>2</sup> in 100 Fs," H. Nathel, J.K. Swenson, L.D. Van Woerkom, W.E. White, A. Sullivan, H. Hamster, S. Gordon, and R. Falcone, Invited talk at the 14th International Conference on Non-Linear Optics (XIV ICONO), St. Petersburg, USSR, September, 1991.

14. "Plasma Characterization Experiments Using K-Shell and L-Shell Emission from 150 Fs Laser Produced Plasmas," R. Shepherd, D. Price, P.R. Bolton, H. Nathel, J.K. Swenson, L.D. Van Woerkom, W.E. White, B. Goldstein, D. Slaughter, and R.E. Stewart, Annual Meeting of the Division of Plasma Physics, Tampa, FL, Oct., 1991.
15. "X-Ray Resonant Two Photon Ionization of Inner Shell States," J.R. Norby, S.E. Edner, S.H. Evans, P. Hansch, J.R. Pawlicki and L.D. Van Woerkom, OSA Topical Meeting on High Field Interactions and Short Wavelength Generation, St. Malo, France, 1994.
16. "High Intensity Above Threshold Ionization," P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Dayton, OH, October, 1995.
17. "First Observation of Visible Light Coupling to Atomic Inner Shells," P. Hansch, M.A. Walker and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Columbus, OH, April 1996.
18. "Rydberg State Analysis in Noble Gases," M.A. Walker, P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Columbus, OH, April 1996.
19. "High Harmonic Generation," P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Columbus, OH, April 1996.
20. "Laser-induced Auger Effect," L.D. Van Woerkom, P. Hansch, and M.A. Walker, Division of Atomic, Molecular, and Optical Physics (DAMOP), Ann Arbor, MI, 1996.
21. "Generation of High Order Harmonics of 800 nm Femtosecond Pulsed Laser Light With Noble Gases and Molecules," Son Evans and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP), Ann Arbor, MI, 1996.
22. "Above Threshold Ionization in Molecules," P. Hansch, M.A. Walker and L.D. Van Woerkom, and , Division of Atomic, Molecular, and Optical Physics (DAMOP), Ann Arbor, MI, 1996.
23. "Rydberg State Analysis in Noble Gases," M.A. Walker, P. Hansch and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP), Ann Arbor, MI, 1996.
24. "Spatially Dependent Multiphoton Multiple Ionization," P. Hansch, M.A. Walker and L.D. Van Woerkom, Gordon Research Conference on Multiphoton Processes, New London, NH, 1996.
25. "Strong Field Multiphoton Ionization Observed Via Intensity Selective Scanning," P. Hansch, M.A. Walker and L.D. Van Woerkom, International Conference on Multiphoton Processes VII (ICOMP VII), Garmisch, Germany, 1996.
26. "Dynamics of Transient Resonances in Multiphoton Ionization," P. Hansch, M.A. Walker and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Athens, OH, October, 1996.
27. "Intensity-Dependent Probabilities in Strong Field Ionization," M.A. Walker, P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Athens, OH, October, 1996.
28. "First Observation of Multiphoton Ionization of Noble Gases Using Femtosecond High Order Harmonic Generation," S. Evans and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Athens, OH, October, 1996.
29. "Soft X-rays from High Intensity Laser Interactions," M. Nandor and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Athens, OH, October, 1996.
30. "8- and 9-Photon Resonances in Above Threshold Ionization of Xenon," P. Hansch, M.A. Walker and L.D. Van Woerkom, Optical Society of America Topical Meeting on Applications of High Fields and Short Wavelength Sources VII, Santa Fe NM, March 1997.



31. High Order Harmonic Generation with Molecules," S. Evans and L.D. Van Woerkom, Optical Society of America Topical Meeting on Applications of High Fields and Short Wavelength Sources VII, Santa Fe NM, March 1997.
32. Intensity Dependent Probabilities for Strong Field Ionization of Xenon," M.A. Walker P. Hansch and L.D. Van Woerkom, Optical Society of America Topical Meeting on Applications of High Fields and Short Wavelength Sources VII, Santa Fe NM, March 1997.
33. "Intensity Dependent Probabilities for Strong Field Ionization of Xenon," M.A. Walker, P. Hansch and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Washington, DC, April 1997.
34. "High Order Resonances in Above Threshold Ionization of Xenon," P. Hansch, M.A. Walker and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Washington, DC, April 1997.
35. "High Order Harmonic Generation with Molecules," Son Evans and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Washington, DC, April 1997.
36. "Soft X Rays From High Intensity Laser Driven Plasmas," M. Nandor and L.D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Washington, DC, April 1997.
37. "Characterization of a Gaussian Focus for use in Intensity-Selective-Scanning," D. R. Larson, M. A. Walker, P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Bowling Green, OH, May 1997.
38. "High Energy Rydberg Resonances in Argon," M. A. Walker, P. Hansch and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Bowling Green, OH, May 1997.
38. "High Order Atomic Multiphoton Ionization," P. Hansch, M. A. Walker and L.D. Van Woerkom, Ohio Section Meeting of the American Physical Society, Bowling Green, OH, May 1997
39. "Bound-Bound Coupling Effects in Multiphoton Ionization of Rare Gases," M. A. Walker, M. J. Nandor and L. D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Santa Fe, NM May 1998.
40. "Electron Angular Distributions of High-Order ATI Peaks in Xenon," M. A. Walker, M. J. Nandor and L. D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Santa Fe, NM May 1998.
41. "Electron Angular Distributions of ATI Peaks in Xenon," M. J. Nandor, M. A. Walker and L. D. Van Woerkom, 1998 Gordon Research Conference on Multiphoton Processes, Tilton, NH, June 1998.
42. "Recent Developments in the Photoelectron Spectra of ATI in Rare Gases," M. A. Walker, M. J. Nandor and L. D. Van Woerkom, 1998 Gordon Research Conference on Multiphoton Processes, Tilton, NH, June 1998.
43. "Multiphoton Ionization and Above-Threshold Ionization of Magnesium with 800-nm Laser Light," Glen D. Gillen, M. A. Walker, and L. D. Van Woerkom, Cross Borders Laser Workshop, University of Michigan, Ann Arbor, MI, May 2000.
44. "Above-Threshold Ionization as a Probe of Strong Field Multi-electron Physics," M. A. Walker, M. J. Nandor, G. D. Gillen, R. L. Barnett, and L. D. Van Woerkom, Cross Borders Laser Workshop, University of Michigan, Ann Arbor, MI, May 2000.

45. "Multiphoton Ionization and Above-Threshold Ionization of Magnesium," Glen D. Gillen, M. A. Walker, and L. D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Storrs, CT, June 2000.
46. "Ion Yields of Magnesium in Intense Lasers," Glen D. Gillen, and L. D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, London, Ontario, Canada June 2001.
47. "Resonant Above-Threshold Signatures in the Photoelectron Spectra of Magnesium," Glen D. Gillen, and L. D. Van Woerkom, Division of Atomic, Molecular, and Optical Physics (DAMOP) Meeting of the American Physical Society, Williamsburg, VA May 2002.