

**Oak Ridge Associated Universities/
Oak Ridge Institute for Science and Education**

2005 Bibliography

Prepared by

**ORAU Communications, Printing, and Design
P.O. Box 117, MS 44
Oak Ridge, Tennessee 37831-0117
www.orau.org/about/pubs/**

Table of Contents

Business Operations

- Communications, Printing, and Design

Independent Environmental Assessment and Verification

- Survey Reports and Health Physics
- Atmospheric Turbulence and Diffusion Division

National Security and Emergency Management

- Center for Human Reliability Studies

Occupational Exposure and Worker Health

Professional and Technical Training

Science Education Programs

Scientific and Technical Resource Integration

- University Radioactive Ion Beam Group

Business Operations (BusOps)

Communications, Printing and Design (CPD)

CPD. *2004 Annual Report*. 04-1012. 2005.

CPD. ORAU/ORISE *2004 Bibliography*. 05-0157. 2005.

CPD. *ORAU News*, ORAU's Employee Newsletter. January-December, 2005.

Independent Environmental Assessment & Verification (IEAV)

Formerly Radiological Safety, Assessments, and Training (RSAT)

Survey Projects and Health Physics

Abelquist, E. W., T. J. Bauer. *Historical Site Assessment of the Curtis Bay Depot, Curtis Bay, Maryland, prepared for the Defense National Stockpile Center, Defense Logistics Agency, ORISE Final Report*. ORISE 05-0809.0431. May 2005.

Adams, W. C. *Confirmatory Survey of the Primary Auxiliary Building, Yankee Nuclear Power Station, Rowe, Massachusetts, Prepared for the U.S. Nuclear Regulatory Commission, Division of Waste Management and Environmental Protection, ORISE Final Report*. ORISE 05-0690. May 2005.

Adams, W. C. *Verification Survey of the Building 335 Juggernaut Reactor, Argonne National Laboratory-East Argonne, Illinois, Argonne, Illinois, prepared for the U.S. Department of Energy, Argonne Site Office*. ORISE 05-1523. September 2005.

Bauer, T. J. *Confirmatory and In-Process Inspection Surveys of Remaining Land Areas, Maine Yankee Atomic Power Company, Wiscasset, Maine, prepared for the U.S. Nuclear Regulatory Commission*. ORISE 05-0994. June 2005.

Bauer, T. J. *Confirmatory Survey of the University of Virginia Reactor, University of Virginia, Charlottesville, Virginia, prepared for the U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation*. ORISE 05-1033. July 2005.

Payne, J. L., P. C. Weaver. *Phase II, Characterization and Final Status Survey of the Vance Road Facility, Oak Ridge Institute for Science and Education, Oak Ridge, Tennessee, ORISE Final Report*. ORISE 05-0780.0944. May 2005.

Vitkus, T. J. *Confirmatory Survey of the Manhattan College Zero Power Reactor Manhattan College, Riverdale, New York, prepared for the U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation*. ORISE 05-0917.0435. June 2005.

Vitkus, T. J. *Historical Site Assessment of the Hammond Depot, Hammond, Indiana, prepared for the Defense National Stockpile Center, Defense Logistics Agency*. ORISE 05-1343. August 2005.

Vitkus, T. J. *Radiological Scoping Survey of the Hammond Depot, Hammond, Indiana, prepared for the Defense National Stockpile Center of the Defense Logistics Agency*. ORISE 05-1808. December 2005.

Vitkus, T. J. *Verification Survey of the Building 4059 Excavation, Santa Susana Field Laboratory, The Boeing Company, Ventura County, California, prepared for the U.S. Department of Energy, Oakland Environmental Programs*, ORISE Final Report. ORISE 05-0377. March 2005.

Weaver, P. C. *Final In-Process Verification Survey Report for the Former Hazardous Waste Management Facility, Brookhaven National Laboratory, Upton, New York, prepared for the U.S. Department of Energy, Brookhaven Group*. ORISE 05-1522. September 2005.

Weaver, P. C. *In-Process Verification Survey for the 811 Waste Concentration Facility, Brookhaven National Laboratory, Upton, New York, prepared for the U.S. Department of Energy, Brookhaven Group*. ORISE 05-1363. September 2005.

Atmospheric Turbulence and Diffusion Division (ATDD)

Ching, J., J. Herwehe, T. Pierce, and J. Swall. "Paradigm using joint deterministic grid modeling and sub-grid variability stochastic description as a template for model evaluation." Presented at the 3rd Annual CMAS Models-3 Users' Conference, Chapel Hill, North Carolina, Carolina Environmental Program and Community Modeling and Analysis System Center at the University of North Carolina at Chapel Hill (2004).

Ching, J., T. Pierce, T. Palma, W. Hutzell, R. Tang, A. Cimorelli, and J. Herwehe. "Application of fine scale air toxics modeling with CMAQ to HAPEM5." In *3rd Annual CMAS Models-3 Users' Conference*, 18-20 October 2004, Chapel Hill, NC, Carolina Environmental Program and Community Modeling and Analysis System Center at the University of North Carolina at Chapel Hill (2004).

Douglas, T. A., M. Sturm, W. R. Simpson, S. Brooks, S. E. Lindberg, and D. K. Perovich. "Elevated mercury measured in snow and frost flowers near arctic sea ice leads." *Geophysical Research Letters*, 32, L04502, doi: 10.1029/2004GL022132 (2005). ATDD Contribution File # 05-03.

Gabriel, M. C., D. C. Williamson, S. B. Brooks, and S. E. Lindberg. "Atmospheric speciation of mercury in two contrasting US airsheds." *Atmospheric Environment*, 39 (27), 4947-4958 (2005).

Gioli B., F. Miglietta, B. De Martino, R. W. A. Hutjes, H. A. J. Dolman, A. Lindroth, M. Schumacher, M. Josè Sanz, G. Manca, A. Peressotti, and E. Dumas. "Comparison between tower and aircraft-based eddy covariance fluxes in five European regions." *Agricultural and Forest Meteorology* 127:1-16 (2005).

- Herwehe, J. A., J. K. S. Ching, and J. L. Swall. "Stochastic description of subgrid pollutant variability in CMAQ." In *3rd Annual CMAS Models-3 Users' Conference*, Chapel Hill, NC, Carolina Environmental Program and Community Modeling and Analysis System Center at the University of North Carolina at Chapel Hill (2004).
- Hollinger, S. E., C. J. Bernacchi, and T. P. Meyers. "Carbon budget of mature no-till ecosystem in North Central Region of the United States." *Agricultural and Forest Meteorology*, no. 130, 59–69 (2005). ATDD Contribution File # 05-05.
- Luke, W. T., J. R. Arnold, T. Watson, L. Gunter, P. Dasgupta, J. Li, D. Riemer, L. Kleinman. "Ozone Photochemistry and NOX Oxidation in Tampa, Florida: Results of the Bay Region Atmospheric Chemistry Experiment (BRACE)." Presented at the 5th International Conference on Urban Air Quality, Valencia, Spain, 29-31 March 2005.
- Meyers, T. P., and D. D. Baldocchi. "Current micrometeorological flux methodologies with applications in agriculture." In *Micrometeorological Measurements in Agricultural Systems*, ed. JL Hatfield. American Agronomy Society (2005), 361-376. ATDD Contribution File # 03-01.
- Myles, L. "A Study of Atmospheric Ammonia in Coastal Ecosystems Utilizing Relaxed Eddy Accumulation Techniques and Ion Mobility Spectrometry." Ph.D. diss., Florida A&M University Environmental Sciences Institute, Tallahassee, FL (2005).
- Myles, L. Panel member for NOAA Educational Partnership Program with Minority Serving Institutions' (EPP/MSI) Roundtable Discussion with the Undergraduate Scholars, Silver Spring, MD, August 2005.
- Myles, L. Panel member for Education & Careers Session, NOAA Educational Partnership Program Education & Science Forum 2004: Research & Education Advancements in Oceanic & Atmospheric Sciences, New York, NY, October 2004.
- Myles, L., L. Robinson, and T. P. Meyers. "Ion Mobility Spectrometry Measurements of Atmospheric Ammonia." Presented at 32nd Annual NOBCChE National Meeting, Orlando, Fla., March 2005.
- Niyogi, D., H. Chang, V. K. Saxena, T. Holt, K. Alapaty, F. Booker, F. Chen, K. J. Davis, B. Holben, T. Matsui, T. Meyers, W. C. Oechel, R. A. Pielke, R. Wells, K. Wilson, and Y. Xue. "Direct observations of the effects of aerosol loading on net ecosystem CO₂ exchanges over different landscapes." *Geophysical Research Letters* 31, L20506, doi:10.1029/2004GL020915 (2005). ATDD Contribution File # 04-37.
- Rao, K. S. "Uncertainty analysis in atmospheric dispersion modeling." *Pure Appl. Geophys.*, no. 162, 1893–1917 (2005). ATDD Contribution File # 04-04.
- Turner, D. P., W. D. Ritts, W. B. Cohen, T. K. Maeirsperger, S. T. Gower, A. A. Kirschbaum, S. W. Runnings, M. Zhaos, S. C. Wofsy, A. L. Dunn, B. E. Law, J. L. Campbell, W. C. Oechel, H. J. Kwon, T. P. Meyers, E. E. Small, and S.A. Kurc, and J.A. Gamon. "Site-level evaluation of satellite-based global terrestrial gross primary

production and net primary production monitoring.” *Global Change Biology*, no. 11. 666–684 (2005). ATDD Contribution File # 05-02.

Rao, K. S. “Sensor Data Fusion Literature Review.” Presented at the International SDF Working Group Meeting, Edison House, London, UK. (2004).

National Security & Emergency Management (NSEM)

Formerly National Security Operations (NSO)

Center for Human Reliability Studies (CHRS)

CHRS. *DOE Contractor Drug Testing Directory*. U.S. Department of Energy, Office of Occupational Health. 05-1143. July 2005.

Kannan, P. M. *Authority of the U.S. Department of Energy to Conduct Covert Surveillances*. U.S. Department of Energy, Office of Security. 05-0257. January 2005.

Palmer, A. B. and G. R. Eisele. *Access Authorization: Defining Significant Defects in Judgment or Reliability*. February 2005.

Palmer, A. B. and Eisele, G. R. *Recognizing Stress and Workplace Violence*. U.S. Department of Energy, Office of Occupational Health. 05-0981. May 2005.

Occupational Exposure and Worker Health (OEWH)

Formerly Basic and Applied Research (BAR)

Boice, J. D. Jr., R. Leggett, B. E. Dupree, P. Wallace, M. Mumma, S. S. Cohen, A. B. Brill, B. Chadda, B. Boecker, R. C. Yoder, and K. Eckerman. *A comprehensive dose reconstruction methodology for former Rocketdyne radiation workers*. Health Physics.

Kerr, G. D., E. L. Frome, W. G. Tankersley, and J. P. Watkins. *Technical Information Bulletin: Historical Evaluation of the Film Badge Dosimetry Program at the Y-12 Facility in Oak Ridge, Tennessee: Part 2 – Neutron Radiation*. ORAUT-OTIB-0044, July 2005.

Kerr, G. D., W. G. Tankersley, and J. P. Watkins. *Technical Information Bulletin: External Radiation Monitoring at the Y-12 Facility during the 1948-1949 Period*. ORAUT-OTIB-0047, September 2005.

Kerr, G.D., J.P. Watkins, E.L. Frome, and W.G. Tankersley. *Technical Information Bulletin: Historical Evaluation of the Film Badge Dosimetry Program at the Y-12 Facility in Oak Ridge, Tennessee: Part 1 – Gamma Radiation*. ORAUT-OTIB-0042, July 2005.

Watkins, J. P., E. L. Frome, and D. L. Cragle. "Age-Based Methods to Explore Time-Related Variables in Occupational Epidemiology Studies." In *Proceedings of the American Statistical Association, Section on Statistics in Epidemiology* [CD-ROM], Alexandria, VA: American Statistical Association, 2005.

Professional and Technical Training (PTT) **Formerly Health, Safety, and Emergency Management (HSEM)**

De Binder, D. *Environmental Health Information Outreach Program Proceedings: December 6, 2004*. Meeting summary document. March 2005.

De Binder, D. *Environmental Health Information Outreach Program Proceedings: June 22, 2005*. Meeting summary document. November 2005.

Doty, C., R. Womble, and W. Templin-Branner. *Web Resources for Nurses*. Training manual update. Training conducted for the National Black Nurses Association Annual Conference. Chicago, Illinois. July 21, 2005.

Doty, C., W. Templin-Branner, and R. Foster. *Empowering Communities with Health Information*. Training manual update. Training conducted as part of the United Negro College Fund Special Programs/National Library of Medicine-HBCU Access Project at Howard University. Washington, D.C. June 15, 2005.

Doty, C., R. Womble, and R. Foster. *Empowering Communities With Health Information*. Training manual update. Training conducted for Shaw University, Raleigh, North Carolina, October 11, 2005; Johnson C. Smith University in Charlotte, North Carolina, October 13, 2005; Bethune Cookman College in Daytona Beach, Florida, October 18, 2005; and Savannah State University in Savannah, Georgia, October 20, 2005.

Templin, W., C. Doty, R. Womble, and R. Foster. *Web Resources for Health Professionals*. Training manual update. Training conducted for the National Medical Association Region I Annual Meeting. St. Maarten, Netherlands Antilles. May 27, 2005.

Templin-Branner, W. and C. Doty. *Empowering Tribal Communities With Environmental Health and Medical Information Resources*. Training manual update. Training conducted for Oglala Lakota College faculty and staff in Kyle, South Dakota, September 22, 2005; and the Pine Ridge Indian Reservation tribal community in Pine Ridge, South Dakota, September 23, 2005.

Womble, R. and C. Doty. *Basic Health Information on the World Wide Web: An Internet Skills Development Workshop*. Training manual update. Training conducted for the Consumer Health Resource Information Service (CHRIS) Program parish nurses. Oak Ridge, Tennessee. March 19, 2005.

Womble, R., and C. Doty. *Web Resources for Parish Nurses*. Training manual update. Training conducted for the Consumer Health Resource Information Service (CHRIS) Program parish nurses. Oak Ridge, Tennessee. March 19, 2005.

Womble, R., C. Doty, and R. Foster. *Web Resources for Student Health Professionals*. Training manual update. Training conducted for the Student National Medical Association medical mission trip to Ghana. Bethesda, Maryland. May 27, 2005.

Womble, R., C. Doty, and R. Foster. *Empowering Communities with Environmental Health and Medical Information Resources*. Training manual update. Training conducted as part of the Environmental Health Information Outreach Program for Haskell Indian Nations University. Lawrence, Kansas. June 1, 2005.

Womble, R. "The Consumer Health Resource Information Service Program: A Faith-based Approach to Addressing Minority Health Disparities." Presented at the 10th Annual Health Summit of Minority Communities. Nashville, Tennessee. August 24, 2005.

Womble, R., C. Doty, D. De Binder, and R. Foster. *Developing a Consumer Health Resource Information Service Program: A Guide for Faith-based Organizations and Communities*. Program guide and Toolkit. December 2005.

Science Education Programs (SEP) Formerly Science and Engineering Education (SEE)

SEE. *Nuclear Engineering Academic Programs Survey, 2004*. 2005.

SEE. *Health Physics Enrollments and Degrees Survey, 2004 Data*. 2005.

Scientific and Technical Resource Integration

University Radioactive Ion Beam Group

Batchelder, J. C., J. C. Bilheux, C. R. Bingham, H. K. Carter, D. Fong, P. E. Garrett, R. Grzywacz, J. H. Hamilton, D. J. Hartley, J. K. Hwang, W. Krolas, W. D. Kulp, Y. Larochelle, A. Piechaczek, A. V. Ramayya, K. P. Rykaczewski, E. H. Spejewski, D. W. Stracener, M. N. Tantawy, J. A. Winger, J. Wood, and E. F. Zganjar. "New Isomeric State in ¹¹⁶Ag." *Physical Review C* 72 (2005) 044306.

Batchelder, J. C., C. R. Bingham, T. N. Ginter, C. J. Gross, R. Grzywacz, J. H. Hamilton, M. Karny, W. Krolas, C. Mazzocchi, A. Piechaczek, K. Rykaczewski, M. N. Tantawy, J. A. Winger, and E. F. Zganjar. "Studies of Fine Structure Decay in Proton Emitters at the Holifield Radioactive Ion Beam Facility." *Proceedings of the International Symposium on Exotic Nuclei*, Peterhof, Russia, July 5-12, 2004, World Scientific Publishing, Singapore, 2005, 479.

Batchelder, J. C., M. Tantawy, C. R. Bingham, M. Danchev, D. J. Fong, T. N. Ginter, C. J. Gross, R. K. Grzywacz, K. Hagino, J. H. Hamilton, M. Karny, W. Krolas, C. Mazzocchi, A. Piechaczek, A. V. Ramayya, K. P. Rykaczewski, A. Stolz, J. A. Winger, C. H. Yu, and E. F. Zganjar. "Study of Fine Structure in the Proton Radioactivity of ¹⁴⁶Tm." *The European Physical Journal*. A25 s01, 2005: 149.

- Bingham, C. R., M. N. Tantawy, J. C. Batchelder, M. Danchev, T. N. Ginter, C. J. Gross, D. J. Fong, R. Grzywacz, K. Hagino, J. H. Hamilton, M. Karny, W. Krolas, C. Mazzocchi, A. Piechaczek, A. V. Ramayya, K. Rykaczewski, A. Stoltz, J. A. Winger, C. H. Yu, and E. F. Zganjar. "Nuclear Structure Studies at the Proton Drip Line via Proton Radioactivity Studies." *Nuclear Instruments and Methods*. B241, 2005: 185.
- Cizewski, J. A., K. L. Jones, S. D. Pain, J. S. Thomas, C. Baktash, D. W. Bardayan, J. C. Blackmon, C. Gross, J. F. Liang, D. Shapira, M. S. Smith, R. L. Kozub, B. H. Moazen, C. D. Nesaraja, H. K. Carter, M. S. Johnson, R. P. Fitzgerald, D. W. Visser, U. Greife, R. J. Livesay, W. Catford, Z. Ma. "Neutron Transfer Reactions with Neutron-Rich Radioactive Ion Beams." *Nuclear Instruments and Methods in Physics Research* B241, (2005): 200-03.
- Gross, C. J., K. P. Rykaczewski, D. Shapira, J. A. Winger, J. C. Batchelder, C. R. Bingham, R. K. Grzywacz, P. A. Hausladen, W. Krolas, C. Mazzocchi, A. Piechaczek, and E. F. Zganjar. "A Novel Way of Doing Decay Spectroscopy at an ISOL-RIB Facility." *The European Physical Journal* A25 s01 (2005): 115.
- Grzywacz, R. K., J. C. Batchelder, C. R. Bingham, D. Fong, C. J. Gross, M. Karny, W. Krolas, C. Mazzocchi, A. Piechaczek, K. Rykaczewski, M. N. Tantawy, and E. F. Zganjar. "Discovery of the New Short-Lived Proton Emitter ^{144}Tm ." *The European Physical Journal* A25 s01 (2005): 145.
- Jones, K. L., C. Baktash, D. W. Bardayan, J. C. Blackmon, W. N. Catford, J. A. Cizewski, R. P. Fitzgerald, U. Greife, M. S. Johnson, R. L. Kozub, R. J. Livesay, Z. Ma, C. D. Nesaraja, D. Shapira, M. S. Smith, J. S. Thomas and D. Visser. "Studies of Neutron-Rich Nuclei with (d,p) Reactions in Inverse Kinematics at the HRIBF." *Proceedings of Nuclei at the Limits*, Argonne National Laboratory, AIP Conference Proceedings 764 (2005): 176.
- Kozub, R. L., D. W. Bardayan, J. C. Batchelder, J. C. Blackmon, C. R. Brune, A. E. Champagne, J. A. Cizewski, T. Davison, U. Greife, C. J. Gross, C. C. Jewett, R. J. Livesay, Z. Ma, B. H. Moazen, C. D. Nesaraja, L. Sahin, J. P. Scott, D. Shapira, M. S. Smith, J. S. Thomas, and P. J. Woods. "New Constraints on the $^{18}\text{F}(\text{p},\alpha)^{15}\text{O}$ Rate in Novae from the (d,p) Reaction." *Physical Review* C71 (2005): 032801(R).
- Kozub, R. L., D. W. Bardayan, J. C. Batchelder, J. C. Blackmon, C. R. Brune, A. E. Champagne, J. A. Cizewski, T. Davison, U. Greife, C. J. Gross, C. C. Jewett, R. J. Livesay, Z. Ma, B. H. Moazen, C. D. Nesaraja, L. Sahin, D. Shapira, M. S. Smith, J. S. Thomas, and P. J. Woods. "New Limits for the $^{18}\text{F}(\text{p},\alpha)^{15}\text{O}$ Rate in Novae." *Nuclear Physics* A758 (2005): 753c.
- Kozub, R. L., D. W. Bardayan, J. C. Blackmon, C. J. Gross, C. D. Nesaraja, J. P. Scott, D. Shapira, M. S. Smith, J. C. Batchelder, C. R. Brune, A. E. Champagne, L. Sahin, J. A. Cizewski, J. S. Thomas, U. Greife, C. C. Jewett, R. J. Livesay, Z. Ma, and B. H. Moazen. "Single Particle Strengths from the (d,p) Reaction on ^{18}F ." Second Joint Meeting of the Nuclear Physics Divisions the APS and JPS (DNP05), Kapalua, Maui, Hawaii, Sep. 18-22, 2005, *Bulletin of the American Physical Society*. 50 (6): 96 (2005).

Mazzocchi, C., R. Grzywacz, J. C. Batchelder, C. R. Bingham, D. Fong, J. H. Hamilton, J. K. Hwang, M. Karny, W. Krolas, S. N. Liddick, A. F. Lisetskiy, A. C. Morton, P. F. Mantica, W. F. Mueller, K. P. Rykaczewski, M. Steiner, A. Stolz, and J. A. Winger. "Low Energy Structure of Even-Even Ni Isotopes Close to ^{78}Ni ." *Physical Review Letters* B622 (2005): 45.

Mazzocchi, C., R. Grzywacz, J. Batchelder, C. Bingham, D. Fong, J. H. Hamilton, J. K. Hwang, M. Karny, W. Krolas, S. Liddick, C. Morton, P. Mantica, W. Mueller, K. P. Rykaczewski, M. Steiner, A. Stolz, and J. Winger. "Isomer and Beta-Decay Studies of Nuclei Near ^{78}Ni ." In *Nuclei at the Limits Conference*, Argonne National Laboratory July 26-30, 2004, AIP Conf. Proc 764 (2005): 164.

Mazzocchi, C., R. Grzywacz, J. C. Batchelder, C. R. Bingham, D. J. Fong, J. H. Hamilton, M. Karny, W. Krolas, S. N. Liddick, A. C. Morton, P. F. Mantica, W. F. Mueller, K. P. Rykaczewski, M. Steiner, A. Stolz, and J. A. Winger. "Beta-Delayed and Neutron Emission Near the Double Shell Closure at ^{78}Ni ." *The European Physical Journal* A25 s01 (2005): 93.

Padilla-Rodall, E., A. Galindo-Uribarri, C. Baktash, J. R. Beene, R. Bijk, B. A. Brown, J. C. Batchelder, O. Castanos, B. Fuentes, J. Gomez del Campo, P. A. Hausladen, Y. Larochelle, A. Lisetskiy, P. E. Mueller, D. C. Radford, D. W. Stracener, J. P. Urrego, R. L. Varner, and C. H. Yu. "B(E 2) Measurements For Radioactive Neutron-Rich Ge Isotopes: Reaching the N =50 Closed Shell." *Physical Review Letters* 94 (2005): 122501.

Radford, D. C., C. Baktash, C. J. Barton, J. Batchelder, J. R. Beene, C. R. Bingham, M. A. Caprio, M. Danchev, B. Fuentes, A. Galindo-Uribarri, J. Gomez del Campo, C. J. Gross, M. L. Halbert, D. J. Hartley, P. A. Hausladen, J. K. Hwang, W. Krolas, Y. Larochelle, J. F. Liang, P. E. Mueller, E. Padilla, J. Pavan, A. Piechaczek, D. Shapira, D. W. Stracener, R. L. Varner, A. Wohr, C. H. Yu and N. V. Zamfir. "Coulomb Excitation and Transfer Reactions with Rare Neutron-Rich Isotopes." *Nuclear Physics* A752 (2005): 264.

Rykaczewski, K.P., R.K. Grzywacz, C.R. Bingham, M. Danchev, C. Mazzocchi, M.N. Tantawy, C.J. Gross, C.H. Yu, J.C. Batchelder, M. Karny, W. Krolas, D. Fong, J.H. Hamilton, A.V. Ramayya, A. Piechaczek, E. Zganjar, J.A. Winger, T.N. Ginter, A. Stolz, and K. Hagino. *Structure of Rare-Earth Nuclei Around the Proton Drip Line*. In *Proceedings of Nuclei at the Limits Conference*, Argonne National Laboratory, July 26-30, 2004, AIP Conf. Proc 764 (2005): 223.

Shchepunov, V. A., H. Wollnik. "Beam Dynamics in a High Resolution Multi-Pass Time Of Flight Mass Separator." In *Proceedings of the 53rd ASMS Conference on Mass Spectrometry*, San Antonio, Texas, 06/5-9/2005 (2005) on CD.

Shchepunov, V. A., H. Wollnik. "Non-Linear Beam Dynamics in High Resolution Multi-Pass Time of Flight Mass Separator." In *Proceedings of the Particle Accelerator Conference (PAC05)*, Knoxville, Tenn., 05/16-20/2005 IEEE Catalog Number 05CH37623C (2005): 4105.

Tantawy, M., C.R. Bingham, K.P. Rykaczewski, W. Krolas, R.K. Grzywacz, C. Mazzocchi, J.C. Batchelder, D.J. Fong, C.J. Gross, J.H. Hamilton, A. Piechaczek, A.V. Ramayya, J.K. Hwang, D. Shapira, J.A. Winger, C.H. Yu, and E.F. Zganjar. "Study of the N=77 Isotones Near the Proton Drip Line." *The European Physical Journal A*25 s01 (2005): 151.

Tantawy, M., J. C. Batchelder, W. Krolas, K. P. Rykaczewski, C. R. Bingham, R. K. Grzywacz, C. Mazzocchi, M. Danchev, C. J. Gross, D. J. Fong, K. Hagino, J. H. Hamilton, D. J. Hartley, A. Piechaczek, K. Rykaczewski, T. N. Ginter, A. Stoltz, D. Shapira, J. A. Winger, C.-H. Yu, and E. F. Zganjar. "Study of the N = 77 Odd-Z Isotones Around the Proton-Drip Line." *Physical Review C*73 (2006): 024316.

Thomas, J. S., D. W. Bardayan, J. C. Blackmon, J. A. Cizewski, U. Greife, C. J. Gross, M. S. Johnson, K. L. Jones, R. L. Kozub, J. F. Liang, R. J. Livesay, Z. Ma, B. H. Moazen, C. D. Nesaraja, D. Shapira, and M. S. Smith. "First Study of the Level Structure of the r-Process Nucleus ^{83}Ge ." *Physical Review C*71 (2005): 021302.

Thomas, J. S., J. A. Cizewski, K. L. Jones, D. W. Bardayan, J. C. Blackmon, C. J. Gross, J. F. Liang, D. Shapira, M. S. Smith, R. L. Kozub, C. D. Nesaraja, B. H. Moazen, U. Greife, R. J. Livesay, Z. Ma, R. P. Fitzgerald, D. W. Visser. "Neutron Single-Particle States in r-Process Nuclei Near Closed Shells." Eighth International Symposium on Nuclei in the Cosmos, Vancouver, BC, Canada, July 19-23, 2004. *Nuclear Physics A*758 (2005): 663c.

Yu, C.-H., C. Baktash, J.C. Batchelder, J.R. Beene, C. Bingham, M. Danchev, A. Galindo-Uribarri, C.J. Gross, P.A. Hausladen, W. Krolas, J.F. Liang, E. Padilla, J. Pavan, and D.C. Radford. "Coulomb Excitation of Odd-A Neutron-Rich Radioactive Beams." *The European Physical Journal A*25 s01 (2005): 395.