

Rodney R. Porter

PROFESSIONAL PREPARATION

Indiana University, Bloomington	Physics	B.Sc., 1989
	Mathematics	B.Sc., 1989
Kent State University, Kent, OH	Physics	M.Sc., 1992

APPOINTMENTS

12/2008 – present	IT System Administrator and Data Manager, NEES@UNR, University of Nevada, Reno
2006 – 2008	Software Engineer, Center for Nanoscale Materials, Argonne National Laboratory, Argonne, IL
2003 – 2006	Sr. Scientific Programmer Data Acquisition/Detector Systems, Intense Pulsed Neutron Source, Argonne National Laboratory, Argonne, IL
2003 – 2006	Scientific Associate – Data Acquisition, Intense Pulsed Neutron Source, Argonne National Laboratory, Argonne, IL
1991 – 1992	Graduate Assistant, Physics and Astronomy Department, University of Kentucky, Lexington
1989 – 1991	Graduate Assistant, Physics Department, Kent State University, Kent, OH
1988	Physics Associate, Brookhaven National Laboratory, Upton, NY
1987 – 1988	Technical Collaborator, Brookhaven National Laboratory, Upton, NY
1987	Teaching Assistant, Physics Department, University of Virginia, Charlottesville
1985 – 1986	Student Mitarbeiter, I. Institut fuer Experimentalphysik, Hamburg, Germany
1984 – 1987	Undergraduate Research Assistant, Indiana University Cyclotron Facility, Bloomington

RECENT PUBLICATIONS

Beamline controls at the IPNS. Porter, R.R.; Hammonds, J.P.; Piatak, C. EPICS Collaboration Meeting; Argonne, IL; Jun 12-16, 2006

Toward user friendly and easily supportable sample environment. Porter, R. R. American Conference on Neutron Scattering (ACNS 2006); St. Charles, IL; Jun 18-22, 2006

Observables in muon capture on Na-23 and the effective weak couplings $(g)_{\text{over-tilde}(a)}$ and $(g)_{\text{over-tilde}(p)}$. Johnson BL, Goringe TP, Armstrong DS, Bauer J, Hasinoff MD, Kovash MA, Measday DF, Mofteh BA, Porter R, Wright DH. PHYSICAL REVIEW C 54 (5): 2714-2731 NOV 1996.

Muon capture by silicon 28. Armstrong DS, Bauer J, Evans J, Goringe TP, Johnson BL, Kalvoda S, Porter R, Siebels B, Gete E, Measday DF, Mofteh BA, Stanislaus S. HYPERFINE INTERACTIONS 103(1-4): 169-174 1996.

Hyperfine effect in mu-capture on NA-23 and G(P) G(A). Goringe TP, Johnson BL, Armstrong DS, Bauer J, Kovash MA, Hasinoff MD, Measday DF, Mofteh BA, Porter R, Wright DH. PHYSICAL REVIEW LETTERS 72(22): 3472-3475 May 30 1994.

Measurement of hyperfine transition rates in muonic F-19, NA-23, F-31 and (Nat)CL. Goringe TP, Johnson BL, Bauer J, Kovash MA, Porter R,

- Gumplinger P, Hasinoff MD, Measday DF, Mofteh BA, Armstrong DS, Wright DH. PHYSICS LETTERS B 309(3-4): 241-245 Jul 15 1993.
Measurement of the hyperfine transition rates in mu-F, NA, AL, P, and CL, and the hyperfine dependence of mu-capture. Gorringer TP, Bauer J, Johnson BL, Kovash MA, Porter R, Gumplinger P, Hasinoff MD, Measday DF, Mofteh B, Armstrong DS, Wright DH. NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIAL AND ATOMS 79(1-4): 303-305 Jun 1993.
- Design and Testing of a Prototype Neutron Detector for CEBAF. Rodney R. Porter, Master's Thesis, Kent State University, 1991. Thesis Advisor, Dr. John W. Watson.
- Neutron Multiplicities and Continuum Neutron Spectra from 200 MeV Proton Bombardment of Carbon, Aluminum, Iron, Lead, and Uranium. S. Nimnual, M. Divadeenam, R. Porter, N. Tsoupas, T. Ward and M. Zucker, Brookhaven National Laboratory, Upton, NY. C. Castaneda, Univ. California at Davis, Davis, CA. H. Karwowski, North Carolina University, Chapel Hill, NC. C. Laird, Eastern Kentucky University, Richmond, KY. Trans. Am. Nucl. Soc. (USA), Vol. 60, p258-60 (1989).
- Continuum Neutron Spectra from 200 MeV Proton Bombardment. S. Nimnual, M. Divadeenam, R. Porter, N. Tsoupas, T. Ward and M. Zucker, Brookhaven National Laboratory, Upton, NY. C. Castaneda, Univ. California at Davis, Davis, CA. H. Karwowski, North Carolina University, Chapel Hill, NC. C. Laird, Eastern Kentucky University, Richmond, KY. Presented at the Nuclear Physics Meeting of the American Physical Society, October 12-15, Report No. BNL-41541, BNL/NPB-88-65, 1988.
- Cs-137 Radioactive Dating of Lake Core Sediments. T. Ward, Brookhaven National Laboratory, Upton, NY. J. Breeden, K. Komisarck, R. Porter, J. Czuczwa and B. McVeety, Indiana University, Bloomington, IN. ABS PAP ACS 196(SEP 88):NUCL 46.
- Fast Neutron Detection Using a New Pulse Shape Discrimination Technique. M. Zucker, N. Tsoupas, S. Nimnual, R. Porter and T. Ward, Brookhaven National Laboratory, Upton, NY. C. Castaneda, Univ. California at Davis, Davis, CA. H. Karwowski, North Carolina University, Chapel Hill, NC. ABS PAP ACS 196(SEP 88):NUCL 45.

Contributed Talks:

- Issues of Access Control for Ancillary Equipment, NOBUGS 2004 Conference, Paul Scherrer Institute, Switzerland
- IPNS Status Report, EPICS Collaboration Meeting, Fall 2002, Jefferson Laboratory, Newport News, VA

COLLABORATORS & OTHER AFFILIATIONS

(a) Collaborators and Co-Editors

- Hammonds, J.P, Argonne National Laboratory, Argonne, IL
Piatak, C., Argonne National Laboratory, Argonne, IL
Dr. Tim Gorringer, Physics and Astronomy Department, University of Kentucky, Lexington

(b) Graduate Thesis Advisor

- John W. Watson, Kent State University, Kent, OH