

# ELIZABETH J. BEISE

## Education:

Ph.D. Massachusetts Institute of Technology, 1988  
B.A. (*cum laude*), Carleton College, Northfield, MN, 1981

## Experience:

2010- Associate Provost for Academic Planning and Programs, UMCP (interim 2009-2010)  
2004-2006 Program Director for Nuclear Physics, National Science Foundation  
2002- Professor, Department of Physics, University of Maryland  
1997-2002 Associate Professor, Department of Physics, University of Maryland  
1993-97 Assistant Professor, Department of Physics, University of Maryland  
1990-93 Senior Research Fellow Kellogg Radiation Lab, California Institute of Technology  
1988-90 Research Fellow, Kellogg Radiation Lab, California Institute of Technology

## Professional Activities:

National Academies, Committee on Assessment and Outlook for Nuclear Physics, 2010-2011  
Southeastern Universities Research Association (SURA) Board of Trustees, 2010-  
American Physical Society (APS) Executive Board, 2009-2011  
American Physical Society (APS) General Councillor, 2007-2010  
APS Division of Nuclear Physics Committees: Summer School 2000-2003 (Chair '03)  
Fellowship, 2006-2007, Nominating, 2003-2005 (Chair '04), Program 2002-2004,  
Executive 1994-96, 2009-2011)  
Physical Review C Editorial Board, 2005-2007  
JLAB Hall C Steering Committee, 2004-2006  
Dept of Energy Committee of Visitors (Nucl. Phys. Review Panel), 2003, 2007  
Chair, NSF Panel Review of Medium Energy Physics, 2003  
TUNL Advisory Board, 2002-  
Institute for Nuclear Theory Advisory Panel, 2002-2004  
Bates User's Group Board of Directors, 1999-2001  
Jefferson Laboratory Director's Search Committee, 2001  
APS Committee on the Status of Women in Physics, 1999-2001  
Associate Editor, Nuclear Physics A, 1999-  
CEBAF User's Group Board of Directors, 1993-98 (Chair '97)

## Honors and Awards:

Fellow of the American Association for the Advancement of Science (2009)  
U Md Dept of Physics George M. Snow Award for Promotion of Women in Physics (2008)  
U Md Faculty-mentor Phillip Merrill Scholarship Award (2004-05)  
Fellow of the American Physical Society, 2002  
APS Maria Goeppert Mayer Award, 1998  
NSF Young Investigator Award, 1995-99  
Peter T. Demos Award for research at the Bates Accelerator, 1988

## Selected Recent Publications (of 66 publications in refereed journals):

1. T. Horn *et al.*, Determination of the Pion Charge Form Factor at  $Q^2=1.60$  and  $2.45$  (GeV/c)<sup>2</sup>, Phys. Rev. Lett. **97**, 192001 (2006).

2. 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).
3. E.J. Beise, M.L. Pitt and D.T. Spayde, The SAMPLE Experiment and Weak Nucleon Structure Prog. Part. Nucl. Phys. **54**, 289 (2005).
4. D.T. Spayde *et al.*, The Strange Quark Contribution to the Proton's Magnetic Moment, Phys. Lett. **B 583**, 79 (2004).
5. Measurement of tensor polarization in elastic electron-deuteron scattering at large momentum transfer, D. Abbott *et al.*, Phys. Rev. Lett. **84**, 5053 (2000).

**Additional Significant Publications:**

1. S.D. Covrig *et al.*, The Cryogenic Target for the G0 Experiment at Jefferson Lab, Nucl. Inst. and Meth. **A 551**, 218 (2005).
2. T. Ito *et al.*, Parity-violating Electron Deuteron Scattering and the Proton's Neutral Weak Axial Vector Form Factor, Phys. Rev. Lett. **92**, 102003 (2004).
3. Measurement of the vector analyzing power in elastic electron-proton scattering as a probe of the double virtual Compton amplitude, S. P. Wells, *et al.*, Phys. Rev. **C 63**, 064001 (2001).
4. A high power liquid hydrogen target for parity violation experiments, E. J. Beise, D. H. Beck, E. Candell, R. Carr, F. Duncan, T. Forest, W. Korsch, J. W. Mark, R. D. McKeown, B. A. Mueller, M. Pitt, and S. Wells, Nucl. Instrum. Methods **A378**, 383 (1996).
5. Intermediate-energy semileptonic probes of the hadronic neutral current, M.J. Musolf, T.W. Donnelly, J. Dubach, S.J. Pollock, S. Kowalski, and E.J. Beise, Physics Reports **239**, 1 (1994).

**Dissertation Advisor:** Robert P. Redwine

**Postdoctoral Advisor:** Robert McKeown

**Ph.D. Theses directed:** R. Mohring, K. Gustafsson, D.T. Spayde, J. Liu, T. Horn, J. Miller

**Current Ph.D. Students:** C. Ellis, T. Langford