

MARTHA HARPER REDI
Principal Research Physicist, retired
Princeton Plasma Physics Laboratory, Princeton University, Princeton, New Jersey, 08543
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Education

Rutgers University, Department of Physics, Ph.D 1969
Thesis Title: "Fluctuations in Superconductive Films in a Magnetic Field"
Rutgers University, Department of Physics, M. S. 1966
Thesis Title: "Non-conservation of Parity in Beta and Muon Decay"
Massachusetts Institute of Technology, Department of Physics, B. S. 1964
Thesis Title: "Isomer Shifts of W¹⁸² and W¹⁸⁴,"

Professional Experience

Massachusetts Institute of Technology, Cambridge, Mass.
Plasma Science Fusion Center
2001-2005, Visiting Scientist
Princeton University, Princeton, New Jersey
Plasma Physics Laboratory
2001-2005, Principal Research Physicist (retired 6/1/05)
1993-2001, Research Physicist
1990-1993, Staff Research Physicist
1982-1990, Staff Engineer
Geophysical Fluid Dynamics Laboratory
1980-1982 Research Associate
Department of Physics
1977-1980, Visiting Research Fellow, Research Associate
Department of Chemistry
1976-1977, Instructor in Quantum Chemistry
Rutgers University, New Brunswick, New Jersey
Department of Physics
1969-1970, Postdoctoral research, Instructor in Thermodynamics, Quantum Optics

Awards, Fellowships

Dec. 2004 Outstanding Mentor Award, US Department of Energy
1977-1980 National Research Service Award, Princeton University, Dept. of Physics
1966-1968 Rutgers University Research Fellowship, Department of Physics

Service

2000-2005 American Physical Society, Division of Plasma Physics,
Committee for Women in Plasma Physics, (2000-2005, Chair (2000-2002))
APS-DPP Nominating Committee (2003, Chair 2004-5)
2003 Member FESAC Committee of Visitors: DOE Theory and Computations Funding
2001-2002 Member Program Committee, International Conference on Plasma Physics (2002)
1997-1998 American Physical Society Maria G. Mayer Award Selection Committee
1994-1997 American Physical Society Centennial Meeting Steering Committee