

UNIVERSITY OF MARYLAND

Department of Physics
College Park, Maryland 20742

Curriculum Vitae

Philip G. Roos

Professor Emeritus of Physics

I. Personal Data:

Birth: May 16, 1938, Wauseon, Ohio

Marital Status: Married

II. Education:

B.A. Ohio Wesleyan University, Summa cum laude, 1960

Ph.D. Massachusetts Institute of Technology, 1964

III. Experience in Higher Education:

1960-62 Teaching Assistant, M.I.T.

1962-64 Research Assistant, M.I.T.

1964-65 Visiting Assistant Professor of Physics, University of Maryland

1965-67 Visiting Postdoctoral Fellow, Oak Ridge National Laboratory

1967-71 Assistant Professor of Physics, University of Maryland

1971-75 Associate Professor of Physics, University of Maryland

1973-74 Sabbatical Leave at Institut de Physique Nucleaire, Orsay, France

1975-2005 Professor of Physics, University of Maryland

1982-83 Sabbatical Leave at IUCF, Bloomington, Indiana

1989-90 Sabbatical Leave at LAMPF, NAC, and TRIUMF

1997 Sabbatical Leave at CEBAF, Jefferson Lab.

2005- Professor Emeritus and Senior Research Scientist, University of Maryland

IV. Professional Activities:

Fellow, American Physical Society

Sigma Xi

Review manuscripts for Phys. Rev. C, Phys. Rev. Lett. and Nucl. Phys.

Review proposals for NSF and DOE

Session Chairman, APS meetings

Member, IUCF Program Advisory Committee, 1976-79

Chairman, IUCF Users Groups, 1982-83

UMd. representative to Oak Ridge Associated Universities, 1982-86

Member, NSF/DOE Nuclear Science Advisory Committee, 1983-85

Member, LAMPF Program Advisory Committee, 1984-88

Chairman, LEP Subcommittee, 1984-88

Member, Program Committee of Nuclear Physics Division of APS, 1985-87

Member, IUCF Long-Range Planning Committee, 1988-91

Member, TJNAF Board of Directors, 1996-98

V. **Honors and Awards:**

First in class of 1960, Ohio Wesleyan University
National Football Foundation Scholar-Athlete Award, 1960
University of Maryland General Research Board Grant, 1965
Honorable Mention, AAPT apparatus competition (with Barry Block), 1965
AEC Fellowship at Oak Ridge National Laboratory, 1965-67
University of Maryland General Research Board Semester Research Award,
Spring Semester, 1987
Fellow, American Physical Society
GRB Award, Spring Semester, 1999

VI. **Theses Directed:**

Harrison, G., Deuteron-nucleus reactions at 69.1 MeV and a determination of neutron detector efficiencies, Ph.D. thesis (1972).

Cheng, V. K. C., A study of deuteron breakup reactions by protons at 65, 85 and 100 MeV, Ph.D. thesis (1973).

Carey, T. A., A systematic study of alpha-particle spectroscopic strengths using the $(p, p\alpha)$ reaction at 101.5 MeV, Ph.D. thesis (1979).

Woo, L. W., Elastic and inelastic scattering of 100 MeV protons from the even-even titanium isotopes, Ph.D. thesis (1981).

Wesick, J. S., A study of the continuum spectra from few nucleon targets using 100 and 150 MeV incident polarized protons, Ph.D. thesis (1982).

Chen, H. L., A systematic study of the helium-3 elastic and the $({}^3\text{He}, \alpha)$ transfer reaction at 132 MeV on ${}^{12}\text{C}$, ${}^{16}\text{O}$, ${}^{58}\text{Ca}$, ${}^{58}\text{Ni}$, and ${}^{90}\text{Zr}$, Ph.D. thesis (1983).

Hyman, S. D., A study of pion absorption on oxygen-16 at 165 MeV, Ph.D. thesis (1989).

Zhang, D., A study of positive pion absorption on lithium-6 around the δ resonance, Ph.D. thesis (1990).

Adimi, F., Pion absorption in ${}^4\text{He}$ at 114 MeV, Ph.D. thesis (1994).

Nguyen, L., $\pi^-p \rightarrow \pi^0n$ cross sections in the region of the $\Delta(1232)$ resonance, Ph.D. thesis (1995).

Khayat, M., Pion induced proton knockout from polarized ${}^7\text{Li}$ at 240 MeV, Ph.D. thesis (1995).