CHRISTOPHER G. FASANO

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Education

Ph. D. in Physics	University of Chicago, 1989
M. S. in Physics	University of Chicago, 1987
B. S. in Physics	University of Notre Dame, 1983

Academic Awards

University of Notre Dame: B.S. *cum laude* in Physics.
University of Chicago: Gregor Wentzel Prize for excellence as a teaching assistant.
Monmouth College: Endowed Chair -- Martha S. Pattee Professor of Science Awarded Fall 2003
Monmouth College: Hatch Service Award 2008

Teaching Experience

August 2007-Present:	Professor of Physics Department of Physics Monmouth College Monmouth, IL 61462
May 2001 – August 2007:	Associate Professor of Physics Department of Physics Monmouth College Monmouth, IL 61462
August 1998 - May 2001:	Assistant Professor of Physics Department of Physics Monmouth College Monmouth, IL 61462
August 1992 - July 1998:	Assistant Professor of Physics

Department of Chemistry, Physics and Mathematics
Francis Marion University
Florence, SC, 29501 U.S.A

Promoted to Associate Professor with Tenure before departing from Francis Marion University.

October 1983 - June 1988: Teaching Assistant
Department of Physics
University of Chicago
Chicago, IL 60637 U.S.A.

Research Experience

March 1999 – Present: Visiting Scientist
Argonne National Laboratory
Argonne, IL 60091
(allows 24 hr access to laboratory and use of research facilities.)

Summer 1995: Faculty Research Participant
Theory Group Argonne National Laboratory.

November 1990 - August 1992: Postdoctoral Physicist
Department of Physics and Astronomy
University of Pittsburgh
Pittsburgh, PA 15260

November 1988 - October 1990: Postdoctoral Physicist
Theory Group
Paul Scherrer Institute
CH-5232 Villigen, Switzerland

October 1985 - October 1988: Research Assistant
Physics Division
Argonne National Laboratory
(University of Chicago)
Argonne, IL 60439
Performed research in
intermediate energy nuclear theory.
Thesis advisor: Dr. T. -S. H. Lee

Professional Societies

Member, American Physical Society, Nuclear Physics Division
Member, Prairie Section, American Physical Society
Full Member, American Meteorological Society
Member, American Nuclear Society
Member, AGU
Member, Sigma Pi Sigma
Member, Sigma Xi

Founding Member of the American Physical Society Prairie Section (Served as Chair-Elect, Chair, Past-Chair, and currently, elected Representative)

Grants Received

RUI Project: A Wide-Area Array of Detectors to Measure the Energy Spectrum of Lightning-Generated X-Rays and the Atmospheric Conditions that Support Them.
National Science Foundation: AGS-1232594, Fall 2012

Nuclear Energy University Program: Nuclear Infrastructure
Department of Energy, Summer 2009
$171,000

TeraGrid Pathways Fellowship: Study of Protein Folding Using Green's Function Monte Carlo Techniques
TeraGrid, Spring 2009, $13,000+TeraGrid Time

Experiments in Modern Physics
Nalco Corporation Science Equipment Grant Spring 2001.
$7,215

A Proposal for Connecting Francis Marion University to the NSFNET
National Science Foundation Grant, 1994 - 1996
$15,300

Studies of Spin Observables for the Threshold Photoproduction and Electroproduction of Pseudoscalar Mesons
Research Corporation Cotrell Science Grant, 1993 - 1994
$22,300

Publications

Quarks, QCD, and the Real World of Experimental Data

H. Lipkin (Lecture notes edited by C. G. Fasano)
Argonne Informal Report. (1987).

Quark Compound Bag Model of *NN* Scattering up to 1 GeV
C. G. Fasano and T. -S. H. Lee
Physical Review **C25**, 1481 (1987).

Three-Nucleon Force in the Quark Compound Bag Model
C. G. Fasano and T. -S. H. Lee
Physics Letters B **217**, 9, (1989).

Meson-exchange ΔNN Model with a Separable Short-Range Interaction
C. G. Fasano and T. -S. H. Lee
Nuclear Physics **A513**, 442 (1990).

Evidence Against a Strong Sub-threshold Structure in the Antiproton+Proton Amplitude
C. G. Fasano and M. P. Locher
Z. Phys. **A336**, 469 (1990).

Rescattering Mechanisms for Antiproton+Deuteron ->Proton+X Reactions
C. G. Fasano, M. P. Locher, and S. Nozawa
Z. Phys. **A338**, 95 (1991).

Relativistic Calculations for the Reactions Antiproton+Deuteron -> 5π Proton and Antiproton Deuteron -> 3π p at Rest
C. G. Fasano and M. P. Locher
Z. Phys. **A338**, 197 (1991).

Comments on Nucleon-Nucleon Phase-Shift Analyses in the Δ Excitation Region
C. G. Fasano and T. -S. H. Lee
Z. Phys. **A340**, 101 (1991).

Spin Observables at Threshold for Meson Photoproduction
C. G. Fasano F. Tabakin, and Bijan Saghai
Physical Review **C46**, 2430 (1992).

Current Research Interests

Lightning Produced X-Rays (Measurement of Spectra and Modeling)
(with students at Monmouth College)

Modeling Agronomic Systems (as part of a startup business that I helped found: The Farmer's Business Network)

Additional Highlights

Served on the Monmouth College Faculty Senate multiple times, (served as Faculty Senate Chair twice.)

August 2010-Present: Co-architect and co-organizer of a new summer program for incoming students, returning students and faculty members known as *SOfIA: Summer Opportunity for Intellectual Activity*.

July 2004 -Present: Chair, Department of Physics.

July 2004-Present: Campus representative/Coordinator for Dual-Degree Engineering.

August 2001-Present: Started, organized and managed the Faculty Colloquium Series.

January 2001 - Present: Campus Representative for Oak Ridge Science Semester.

June 2001 - May 2006: Coordinator/Co-coordinator for Freshman Seminar/Introduction to the Liberal Arts.