

Abridged CV for Evan R. Sugarbaker

- EDUCATION:** Kalamazoo College, Kalamazoo, Michigan, 1967-71.
B.A. with Honors in Physics.
University of Michigan, Ann Arbor, Mich., 1971-76.
Ph.D. in Physics.
University of Rochester, Rochester, N.Y., 1976-78.
Nuclear Structure Research Laboratory,
Postdoctoral Research Associate.
- POSITIONS:** Visiting Assistant Professor of Physics, 1978-80.
University of Colorado, Boulder, Colorado.
Assistant Professor of Physics, Jan. 1981-86,
Associate Professor of Physics, 1986-94,
Professor of Physics, 1994- .
Vice-Chair for Administration, Department of Physics, Jan. 2001-
The Ohio State University, Columbus, Ohio.

NATIONAL PROFESSIONAL

- ACTIVITIES:** Executive Committee of Indiana University Cyclotron Facility (IUCF)
Users Group (elected) member 1983-84, 1988-91, Chairman 1990-91.
Member of the Los Alamos Meson Physics Facility (LAMPF)
Experimental Facilities Panel (appointed) 1987-92.
Chairman of the LAMPF Neutron Time-of-Flight Working Group,
(appointed) 1987-89.
Member of the Organizing Committee of Topical Conference on
Physics with Polarized Beams on Polarized Targets, 1989.
Member of IUCF Cooler Spectrometer Working Group, (appointed) 1989.
Consultant for Los Alamos National Lab (appointed) 1991-94.
Member of the Organizing Committee of IUCF Workshop on
Hyperon and Hypernuclear Physics with Proton Beams, 1991.
Member of the Board of Directors of LAMPF Users Group, Inc.,
(elected) 1990-92.
Member of the IUCF Long Range Planning Committee, (elected) 1994-97.
Co-organizer of Workshop at the Spring APS meeting on
Decay of Hot Dense Nuclear Matter: A Systematic View, 1998.

UNIVERSITY PROFESSIONAL

- ACTIVITIES:** College of Math/Physical Science Computer Committee (1987-91)
Chair (1990-91)
Graduate School Fellowship Committee (1987-89)
Academic Computing Forum (1990-96)
Research and Graduate Faculty Council (1992-94)
University Research Committee (1992-94)
Rules and Practices Subcommittee, Chair (1993-94)
Delegate to Workshop on Teaching Research Ethics (1994)
Graduate School Ad Hoc Committee on NRC report "Reshaping Graduate
Education of Scientists and Engineers" (1995-96)
University Senate and Faculty Council (1997-2000)
Council on Enrollment and Student Progress (1997-2000)
Subcommittee on Direct Enrollment, Chair (1998-99)
Subcommittee on Retention (1999-2000)
University Committee on Senior Final Examinations (2000)
Physical Science Research Building Project Team (1998-2006)

DEPARTMENTAL PROFESSIONAL

ACTIVITIES: Graduate Studies Committee (1981-83, 84-85, 89-90)
Professional Activities and Budget Committee (1982-84, 86-88, 90-91)
Graduate Examination Committee (1983-85)
Instructional Services and Environment (1985-86)
Public Relations and Development Committee (1985-86)
Budget Committee (1991-92, 94-96)
Computer Committee (1986-88, 92-94)
Personnel Resources Committee (1988-90, 92-94)
Experimental Nuclear Faculty Search, (Chair: 1991-92, 93-94)
Physics 11x Course Committee, Chair (1995-96)
Ad Hoc New Building Planning (1996-97)
Ad Hoc Committee to Explore Biophysics Options (1996-98)
Shops & Safety Committee (1999-2001)
Supervisor (Operations and Radiation) OSU Van de Graaff Lab (1989-2006)
Service Course Committee (1996-97, Chair: 2001-04)
Space (& Physical Science Research Building) Committee,
Chair or Co-Chair: (1997-2010)
Ad Hoc Service Course Committee, Chair (2006-10)

Ph.D. DEGREES ADVISED:

Dr. David Krofcheck	1987
Dr. Lawrence Rybarczyk	1987
Dr. Anthony Wagner	1988
Dr. Bryan Luther	1993
(won 1994 Rosen Prize for best thesis on LAMPF-based research)	
Dr. Steven DeLucia	1994
Dr. Daniel Cooper	1997
Dr. Meredith Howard	2008

RESEARCH INTERESTS: **nuclear structure:** isovector strength functions, nucleon charge-exchange reactions, modifications of nucleon-nucleon interaction in nuclear medium.
nuclear astrophysics: neutrino spectroscopy, weak interaction strengths.
relativistic heavy-ion collisions: heavy-ion scattering process at high bombarding energies, silicon drift detectors, search for quark-gluon plasma.

PAST RESEARCH COLLABORATIONS: Co-Spokesman for IUCF Experiments 157, 216, 181, 287, 320, and 386.
Co-Spokesman for LAMPF Experiments 1062, 1062U, 1184, 1294 and 1061U.
Member of E896 collaboration at Brookhaven AGS.
Member of STAR collaboration for development of detector at RHIC, Silicon Vertex Tracker (SVT) subsystem.
Member of ALICE collaboration for development of detector at CERN LHC, Inner Tracker System (ITS) subsystem.

SAMPLE PUBLICATIONS (from 163 refereed publications with h-index of 45):

“Gamow-Teller strength function in ^{71}Ge via the (p,n) reaction at medium energies,” D. Krofcheck, E. Sugarbaker, J. Rapaport, D. Wang, J.N. Bahcall, R.C. Byrd, C.C. Foster, C.D. Goodman, I.J. Van Heerden, C. Gaarde, J. Larsen, D. Horen and T.N. Tadduecci, *Phys. Rev. Lett.* **55**, 1051-1054 (1985).
“Isovector effective interactions from $^{14}\text{C}(p,n)^{14}\text{N}$ studies between 500 and 800 MeV,” E. Sugarbaker et al., *Phys. Rev. Lett.* **65**, 551-554 (1990).
“Isovector excitations in nuclei,” J. Rapaport and E. Sugarbaker, *Annu. Rev. Nucl. Part. Sci.* **44**, 109-153 (1994).
“ Λ spectra in 11.6A GeV/c Au-Au collisions,” S. Albergo et al. (E896 Collaboration), *Phys. Rev. Lett.* **88**, 062301 (2002).
“Disappearance of back-to-back high-p(T) hadron correlations in central Au+Au collisions at root s(NN)=200 GeV,” C. Adler et al. (STAR Collaboration), *Phys. Rev. Lett.* **90**, 082302 (2003).