

Curriculum Vita
Andrew M. Sandorfi

1. Education

Degree	Institution	Date
B.Sc.	University of Toronto, Toronto, Canada	1973
M.Sc.	University of Toronto, Toronto, Canada	1974
Ph.D.	University of Toronto, Toronto, Canada	1976

2. Professional Experience

Position	Institution	Dates
Research Associate	High Energy Physics Lab, Stanford University, CA	1977 - 1979
Assistant Physicist	Physics Dept., Brookhaven National Lab	1979 - 1981
Associate Physicist	Physics Dept., Brookhaven National Lab	1981 - 1983
Physicist, & Group Leader	Physics Dept., Brookhaven National Lab	1983 - 1992
BNL Senior Physicist, & Group Leader	Physics Dept., Brookhaven National Lab	1992 - 2007
JLab Senior Scientist	Thomas Jefferson National Accelerator Facility	2007 - Present

3. Major Awards & Grants

	Date
National Research Council (Canada) Fellowship	1978-1979
Fellow of the American Physical Society	1985
DOE Grant: Laser-Electron-Gamma-Source, averaging \$2.2M/year	1985-2007

4. Top Five Publications

D. Ho *et al.* (CLAS Collaboration), “*Beam-Target Helicity Asymmetry for $\bar{\gamma}\bar{n} \rightarrow \pi^- p$ in the N^* Resonance Region*”, Phys. Rev. Lett. **118** (2017) 242002.

A.M. Sandorfi, S. Hoblit, H. Kamano and T.-S. H. Lee, “*Determining pseudoscalar meson photoproduction amplitudes from complete experiments*”, J. Phys. G **38**, 053001 (2011).

S. Hoblit *et al.* (LEGS-Spin Collaboration), “*Measurements of $\bar{H}\bar{D}(\bar{\gamma}, \pi)$ and Implications for Convergence of the Gerasimov-Drell-Hearn Integral*”, Phys. Rev. Lett. **102**, 172002 (2009).

G. Blanpied *et al.* (LEGS Collaboration), “ *$N \rightarrow \Delta$ Transition and Proton Polarizabilities from Measurements of $p(\bar{\gamma}, \gamma)$, $p(\bar{\gamma}, \pi^0)$ and $p(\bar{\gamma}, \pi^+)$* ”, Phys. Rev. C **64**, 025203-1 (2001).

A.M. Sandorfi *et al.*, “*Fabrication of a Very High Energy Polarized γ -ray Beam Facility and a Program of Medium Energy Physics Research at the National Synchrotron Light Source*”, Proposal to the U.S. Department of Energy, **BNL 32717** (1982); **IEEE NS-30**, 3083 (1983).

5. Biographical Description

Andrew Sandorfi received his PhD from the University of Toronto in 1976. As a National Research Council (Canada) Fellow, he carried out postdoctoral work at Brookhaven National Laboratory (BNL) and at the High Energy Physics Lab in Stanford University. In 1979 he joined the BNL Physics Department and became a tenured Physicist in 1985. In 1984 he formed a group to construct the Laser-Electron-Gamma-Source (LEGS), a medium-energy polarized gamma-ray beam facility at the National Synchrotron Light Source at BNL. He served as the LEGS group leader throughout the running period of the facility, until 2007. He has been a Fellow of the American Physical Society since 1985, and became a BNL Senior Scientist in 1992. In 1995 he organized a project to develop a new class of Hydrogen-Deuteride (HD) polarized solid targets, which were subsequently used at LEGS. In 2008, he transferred to Jefferson Lab and joined the Hall B staff as a Senior Scientist. At JLab, he was the co-spokesman for the E06-101/g14 experiment with polarized HD. His research has included nuclear structure, heavy-ion and radiative-capture reactions, electro- and photo-production reactions, and applications in fusion energy. He has mentored many graduate students and postdoctoral physicists. He has served on Program Advisory and Review Committees for JLab, RCNP-Osaka, GRAAL-ESRF and TUNL/Duke. He has authored over 75 publications in refereed journals, as well as chapters in Encyclopedias and reference books.