

Donald Isenhower

Education:

- B.S. Physics (1981), Abilene Christian University
- Ph.D. High Energy Physics (1986), Iowa State University

Academic and Research Experience:

- Professor, Abilene Christian Univ., 1999–present (Chairman 1999–2005).
- Co-PI on DOE funded research grants at ACU 1988-present.
- Member of NSF MRI grant for the forward trigger upgrade for the PHENIX experiment.
- Research Scientist, Innovation Partners 2006-2007
- Visiting scientist, Brookhaven National Laboratory, 1998.
- Associate Professor, Abilene Christian Univ., 1993–1999.
- NSF/NATO Postdoctoral Fellowship, 1990–91 (CERN, LEP DELPHI experiment)
- AWU summer research appointment, 1987 (8 weeks at LANL).
- Visiting Scientist, Ames Laboratory-Iowa State University, 1987 (6 weeks).
- Assistant Professor, Abilene Christian Univ., 1986–1993.
- Society of Physics Students Chapter Advisor, Abilene Christian University, 1987–2005

Honors and Affiliations

- Member, American Physical Society.
- Member, The Institute of Electrical and Electronics Engineers.
- Career Achievement Award, Abilene Christian Univ. College of Arts and Sciences, 2006.
- Outstanding Professor Award, Abilene Christian Univ., 1993.
- Research Excellence Award for outstanding dissertation in physics, Iowa State Univ., 1986.
- Fred J. Barton Award for outstanding physics graduate, Abilene Christian University, 1981.

Research Background

Current primary research emphasis is to understand the structure of the proton, including the antiquark content, antishadowing and energy loss as part of the SeaQuest (E906) experiment at Fermilab. Other experiments I have collaborated on at Fermilab include E789 and E866/NuSea. I served as acting Spokesperson for NuSea from May to July 1997. Other research laboratories I have worked at include the Los Alamos Meson Physics Facility (LAMPF), the CERN Intersecting Storage Rings (ISR), the CERN Large Electron-Positron Collider (LEP), the Petersburg Nuclear Physics Institute located in Gatchina, Russia, and the BNL Alternating Gradient Synchrotron (AGS). I presently am active on the PHENIX experiment at the BNL Relativistic Heavy Ion Collider (RHIC), primarily working on the forward upgrade. Also I am working on the NIFFTE experiment at Los Alamos (LANSCE), helping to build a TPC to significantly improve fission cross section measurements needed to assist in the design of Generation IV nuclear reactors.