

Abraham Seiden  
Director, Institute for Particle Physics and Professor of Physics  
Santa Cruz Institute for Particle Physics (SCIPP)  
UC Santa Cruz Physics Department

EDUCATION

1974	Ph.D. in Physics, University of California, Santa Cruz
1970	M.S. in Physics, California Institute of Technology
1967	B.S. in Applied Physics, Columbia University

RESEARCH AND PROFESSIONAL POSITIONS

1986-present	Professor of Physics and Director, Institute for Particle Physics, University of California, Santa Cruz
1985-1986	Visiting Scientist, CERN
1981-1985	Associate Professor of Physics and Director, Institute for Particle Physics, University of California, Santa Cruz
1978-1981	Assistant Professor of Physics, University of California, Santa Cruz
1976-1978	Assistant Professor of Physics in Residence, University of California, Santa Cruz
1975-1976	Postdoctoral Research Scientist, High Energy Physics, University of California, Santa Cruz
1974-1975	Visiting Scientist, CERN

HONORS AND AWARDS

1994-1995	Outstanding Faculty Award, Division of Natural Sciences
1989	Fellow, American Physical Society, elected in 1989
1967-1971	National Science Foundation Fellowship
1967	Valedictorian of Class, Columbia University
1967	Illig Medal, Columbia University
1963-1967	University Scholar, Columbia University

COMMITTEE MEMBERSHIP

2005-2007	Manager, US ATLAS Upgrade Effort
2002-2007	Chair, Particle Physics Project Prioritization Panel
2001-2003	Chair of LIGO Program Advisory Committee
2001-2002	Member of HEPAP Subpanel on Long Range Planning for U.S. High Energy Physics
1997-2001	Member of LIGO Program Advisory Committee
1998-2000	Member of HEPAP
1994-2000	Member of CERN Scientific Policy Committee
1994-2000	Member of Executive Committee, B-Factory Experiment at SLAC
1994-2007	Member of Executive Committee, U.S. ATLAS Collaboration
1997-1998	Member of HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics
1996	Member, Organizing Committee, SLAC 2000 New Ideas Forum
1995	Member, International Advisory Committee for the Second International Symposium on Development and Application of Semiconductor Tracking Devices, Hiroshima, Japan

1995-1996	Chair, Nominating Committee for Officers of the Division of Particles and Fields of the American Physical Society
1995	Member, International Advisory Committee for the Conference on the Production and Decay of Hyperons, Charm and Beauty Hadrons
1994	Member of National Science Foundation Special Emphasis Panel on the Evaluation of the NSF Accelerator-based Experimental Particle Physics Program
1990-1993	Member of Executive Committee, Solenoidal Detector Collaboration (SDC)
1993	Member of Joint DOE, NSF committee to Review SLAC and Cornell B-Factory Proposals
1992-1993	Outside Consultant, DOE Review of Fermilab
1992	Parallel Session Organizer for DPF 92 Meeting
1988-1992	Chair, Scientific Policy Committee for SLAC

#### SELECTED RECENT PUBLICATIONS

1. Evidence for D0-anti-D0 Mixing. B. Aubert *et al.* (BaBar Collaboration). Phys. Rev. Lett. 98:211802 (2007).
2. Search for D0-anti-D0 Mixing and Branching-Ratio Measurement in the Decay  $D0 \rightarrow K^+\pi^-\pi^0$ . B. Aubert *et al.* (BaBar Collaboration). Phys. Rev. Lett. 97:221803 (2006).
3. Limits on D0-anti-D0 mixing and CP violation from the ratio of lifetimes for decay to  $K^-\pi^+$ ,  $K^-\bar{K}^+$  and  $\pi^-\pi^+$ . B. Aubert *et al.* (BaBar Collaboration). Phys. Rev. Lett. 91:121801 (2003).
4. Radiation-hard semiconductor detectors for Super LHC. M. Bruzzi *et al.* Nucl. Instrum. Meth. A 541, 189 (2005).
5. Tracking detectors for the sLHC, the LHC upgrade. H.F.-W. Sadrozinski and A. Seiden. Nucl. Instrum. Meth. A 541, 434 (2005)