

Peter Timbie

Address: Department of Physics
1150 University Avenue
Madison, WI 53706
(608) 262-5916 (office)
(608) 263-0361 (telefax)

E-MAIL: pttimbie@wisc.edu
Home Page: <http://cmb.physics.wisc.edu>

Education:
1979 B.A.: Harvard University
1985 Ph.D.: Princeton University

Experience:
1985-1987 Postdoctoral Fellow, Princeton University
1987-1990 Postdoctoral Fellow, UC Berkeley
1990-1996 Assistant Professor, Brown University
1996-1997 Associate Professor, Brown University
1997-2002 Associate Professor, University of Wisconsin
2002- now Professor, University of Wisconsin

Honors:
2005-07 Vilas Associate
2003-04 UW Sabbatical
2002 UW-Madison Faculty Professional Development Grant
2001 Elected to UW Teaching Academy
1990 NSF Presidential Young Investigator Award
1986 Mellon Fellow, MIT Program in Science/Technology & Society

Interest Areas: astrophysics, observational cosmology, superconductivity,
microwaves, cryogenics

Memberships:
American Physical Society
American Astronomical Society
American Association of Physics Teachers
Sigma Xi

Current Service
Associate Chair, Dept. of Physics
Chair, DELTA Instructional Materials Development Brownbag Steering Committee

Current Teaching
Physics 207, General Physics

Ph.D. Students

- 1997 Grant Wilson “An Instrument to Observe the 2.7 K Cosmic Microwave Background Radiation,” now an Assistant Professor of Astronomy at UMass-Amherst
- 2000 Brian Keating “Polarization of the CMB at Large Angular Scales,” now Assistant Professor of Astronomy and Physics at UCSD
- 2001 Chris O’Dell “Polarization of the CMB at Large Angular Scales,” now a Post-Doc at UW-Madison Atmospheric and Oceanic Sciences
- 2003 Slade Klawikowski “Observations of the CMB with COMPASS,” now at Janis Scientific
- 2004 Sean Cordone “Instrumentation for Observations of the CMB,” now VP for R&D at ISCO International

Current Ph.D. Students

- Emily Barrentine “Transition-Edge Hot-Electron Microbolometers”
- Amanda Gault “Observations with and Analysis of the MBI”
- Peter Hyland “Observations of Polarization in the CMB with the MBI”
- Siddharth Malu “Design and Simulation of a MM-wave Interferometer for Measuring CMB Polarization”

M.S. Degrees

- 1995 Khurram Farooqui “Bolometers for the MSAM experiment”
now at Sapient Technologies, Cambridge, MA
- 2002 Charles Silver “Neutron Spectroscopy with a LiF Bolometer”
now VP for R&D at NOVELL-X, Hayward, CA
- 2005 Rashmi Pathak (ECE, supervised with D. van der Weide)
“A Novel Method for Coupling from Waveguide to Microstrip”
now at AMD, W. Acton, MA

Current Undergraduate Research

- Fernando Cardoso, Undergraduate Research Scholar
- Laura Cole, Research Assistant
- Kristen Jones, Undergraduate Research Scholar
- Alison Noble, Bernice Durand Award

Post-doctoral Fellows Advised

- Dr. Junwei Zhou, now at Princeton Electronic Systems
- Dr. Josh Gundersen, now an Assistant Professor at University of Miami
- Dr. Chris O’Dell, now a Post-Doc in AOS at UW-Madison
- Dr. Shafinaz Ali, now at LLNL
- Dr. Jean-Marc Duval, now at CNRS, Grenoble
- Dr. Melissa Lucero, now at LANL