

James Bensinger

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Education

1970 Ph.D., University of Wisconsin
1963 B.S., Bucknell University

Professional Positions

1989- Present Brandeis University Professor, Brandeis University
1996-2000 Chair, Brandeis University Physics Department
1980-1989 Associate Professor, Brandeis University
1974-1980 Assistant Professor, Brandeis University
1973-1974 Research Associate, Brandeis University
1970-1973 Instructor/Assistant Professor, University of Pennsylvania

Selected Professional Activities

2010–present Project Manager for US Muon M&O Program
2010 Search Committee for the Upgrade R&D Manager
2011 US ATLAS Program/Deputy Recommendation Committee
2012 US ATLAS R&D Manager Search Committee

Experimental Collaborations

1994-present ATLAS Experiment, CERN
1989-1993 SDC Experiment, SSC
1981-1991 Collider Detector at Fermilab (CDF), Fermilab
1980-1981 Venus Detector at Tristan, KEK

1973-1980 Multiparticle Spectrometer (MPS), Brookhaven Laboratory

Undergraduates Supervised at CERN

A numbers of undergraduates have taken time out of there studies to to spend a year working on the construction and maintenance of the ATLAS detector.

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|-----------|-----------------|
| 2005-2006 | Ben Kaplan |
| 2005-2006 | Matt Gardner |
| 2006-2007 | Benson Way |
| 2007-2008 | David Nash |
| 2008-2009 | Miles Ketchum |
| 2009-2010 | Kathryn Marable |
| 2011-2012 | Ben Wiener |

Selected Publications

“Alignment Systems in LHC General Purpose Detectors,” J. Bensinger and T. Rodrigo, Nucl. Instrum. Meth. A, doi:10.1016/j.nima.2011.04.058.

“Studies of the performance of the ATLAS detector using cosmic-ray muons,” ATLAS Collaboration, Eur. Phys. J. C **71**, 1593 (2011) [arXiv:1011.6665 [physics.ins-det]].

“Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays,” ATLAS Collaboration, Eur. Phys. J. **C70** 875-916 (2010).

“Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays,” ATLAS Collaboration, Eur. Phys. J. C **70**, 875 (2010) [arXiv:1006.4384 [physics.ins-det]].

“Performance of the ATLAS Detector using First Collision Data,” ATLAS Collaboration, JHEP **1009**, 056 (2010) [arXiv:1005.5254 [hep-ex]].

Recent Talks

Professional Talks

“The Long Guide Tube,” CERN, Geneva, Switzerland , February 12, 2010.

“First Look at BIS7, BIS8, BEE,” CERN, Geneva, Switzerland (by video), February 25, 2010.

“Long Guide Tube Status Report,” University of Geneva in Geneva, Switzerland, June 17, 2010.

“Shape and Location of the JD,” Harvard University, Cambridge, MA, December 16, 2010.

“Muon Subsystem WBS 3.5,” Brookhaven National Laboratory, “U.S. ATLAS Operations Program Managers Review,” January 27-28, 2011

“JD - Calorimeter Interface,” CERN, Geneva, Switzerland (by video), February 1, 2011.

“Preliminary Look at the Alignment of the New Small Wheel,” Upgrade Workshop, CERN, Geneva Switzerland, June 30, 2011.

“Comments on Mechanical Structures,” Upgrade Workshop, CERN, Geneva Switzerland, July 29, 2011.

“New Small Wheel Overview,” Boston University, Boston MA, August 15, 2011.

“Muon Subsystem - WBS 3.5,” U.S. ATLAS Operations Program Manager’s Review, Brookhaven National Laboratory, February 7, 2012.

“Alignment Issues for the New Small Wheel,” ATLAS Upgrade Workshop 2012, Stanford University, March 26, 2012.

“New Small Wheel Alignment,” New Small Wheel - US Muon Workshop, Brandies University, April 19, 2012.

Outreach Talks

“Where We Stand - The Universe to Quarks,” Watertown High School, Watertown, MA, January 14, 2010.

“Art and Science,” at the “Art of Science...Science of Art” Symposium, Brandeis University, April 28, 2010.

“Where We Stand - The Universe to Quarks,” Watertown High School, Watertown, MA, November 23, 2010.

“Brandeis at the Large Hadron Collider - The ATLAS Experiment,” Brandeis University Fall Fest, September 30, 2011.

“What’s New at the Large Hadron Collider,” - Science Cafe [Monthly Public Lectures held at the Elephant Walk restaurant], Waltham MA, May 7, 2012.