

# Jack L. Ritchie

## Curriculum Vitae

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### Contact

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### Education

Doctor of Philosophy in Physics, University of Rochester (Rochester, NY), 1984  
Master of Arts in Physics, University of Rochester (Rochester, NY), 1979  
Bachelor of Science in Physics with Honors, University of Texas at Austin, 1977

### Employment

Professor of Physics, University of Texas at Austin, 2001–  
Senior Program Officer, Office of High Energy and Nuclear Physics, Office of Science,  
U.S. Department of Energy, 1999–2001 (while on leave from the University of Texas  
at Austin)  
Associate Professor of Physics, University of Texas at Austin, 1993–2000  
Assistant Professor of Physics, University of Texas at Austin, 1988–1993  
Acting Assistant Professor of Physics, Stanford University, 1986–1988  
Research Associate, Department of Physics, Stanford University, 1984–1986

### Other

Chair, Department of Physics, UT Austin, Sept 1, 2015 –  
Interim Chair, Department of Physics, UT Austin, Feb 1 – Aug 31, 2015  
Director, Center for Particles and Fields, UT Austin, 2010 –  
Member, Faculty Council [representing CNS], UT Austin, 2012–2014

### Professional Associations

Fellow, American Physical Society

### Research

Research in experimental particle physics:

- Measurement of anomalous magnetic moment of the muon at Fermilab, 2015–
- Neutrino oscillation studies in the MINOS+ experiment at Fermilab, 2011–
- Measurement of B-meson decays and related processes, including CP violation, in electron-positron collisions in the *BABAR* experiment using the PEP-II B-factory at the

- SLAC National Accelerator Laboratory, 2001–  
- Rare decays of neutral long-lived kaons in experiments at the Brookhaven National Laboratory, 1984–1998  
- Open charm production with hadron beams at Fermilab, 1979–1983 (Ph.D. research)

## **Funding**

DOE Office of High Energy Physics

## **Professional Service (selected)**

- Committee of Visitors, DOE Office of High Energy Physics, Sept. 2016  
DOE Fermilab Science and Technology Review, Nov. 2013  
Committee of Visitors, DOE Office of High Energy Physics, Oct. 2013  
Co-convener, Quark Flavor Physics working group for the High Energy Physics Community Summer Study, 2013  
American Physical Society Division of Particles and Fields Committee on the DOE Comparative Reviews, 2012  
Co-convener for Heavy Quarks, DOE Workshop on Fundamental Physics at the Intensity Frontier (Rockville, MD; Dec 2011)  
Board of Directors, Fermi Research Alliance (FRA) , 2007-2012  
Executive Committee of the Division of Particles and Fields, American Physical Society, 2006–2008  
DOE High Energy Physics Advisory Panel Subpanel on the Rare Symmetry Violating Processes Project, 2005  
Committee of Visitors, DOE Office of High Energy Physics; sub-chair for national laboratories, 2004  
Fermilab Board of Overseers, Universities Research Association), 2004–2006  
Brookhaven National Laboratory High Energy and Nuclear Physics Program Advisory, 1996–1998  
Co-organizer, Workshop on Future Directions in Particle and Nuclear Physics at Multi-GeV Hadron Beam Facilities (Fermilab, Dec 1994)  
Stanford Linear Accelerator Center Experimental Program Advisory Committee, 1994–1997  
DOE High Energy Physics Advisory Panel Subpanel on Vision for the Future of High-Energy Physics, 1994  
Executive Committee of the Brookhaven AGS Users Group, 1989–1992

## **Publications**

Co-author of over 540 publications in peer-reviewed journals, primarily Physical Review Letters and Physical Review D. A list may be obtained at:  
<http://www.ph.utexas.edu/~ritchie/JR-publications-April2015.pdf>