

**Curriculum Vitae
Robert C. Webb**

(i) Professional Preparation:

University of Pennsylvania	1968	B.A.	Physics
Princeton University	1970	M.A.	Physics
	1972	Ph.D.	Physics

(ii) Appointments:

Ed Rachel Chair in High Energy Physics	2007--present
Interim Dean, Office of Graduate Studies	2007--2010
Associate Dean for Undergraduate Research, Texas A&M University	2005--2010
Interim Head, Physics Department, Texas A&M University	1993--1994
Associate Dean for Research and Graduate Studies College of Science, Texas A&M University	1992--1993
Professor, Physics Department, Texas A&M University	1987--present
Associate Professor, Physics Department, Texas A&M University	1980--1987
Assistant Professor, Physics Department, Princeton University	1976--1980
Research Associate, Physics Department, Princeton University	1975--1976
Adjunct Assistant Professor, Physics Department, UCLA	1972--1975

(iii) Most relevant publications:

1. D. Akerib, et al., [LZ Collaboration], LUX-ZEPLIN (LZ) Conceptual Design Report, arXiv:1509.02910, September 2015.
2. D. Akerib, et al., [LUX Collaboration], "First results from the LUX dark matter experiment at the Sanford Underground Research Facility," Phys. Rev. Lett. 112 (2014) 091303
3. D. Akerib, et al., [LUX Collaboration], "Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data," Phys. Rev. Lett. 116 (2016) no.16, 161301.
4. P. Adamson, et al., [MINOS Collaboration], "Comparisons of annual modulations in MINOS with event rate modulation in CoGeNT," Phys. Rev. D87 (2013) 3, 0322005.
5. P. Ferrario, et al., [NEXT Collaboration], "First proof of topological signature in the high pressure xenon gas TPC with electroluminescence amplification for the NEXT experiment," JHEP 1601 (2016) 104.

Other publications:

1. P. Adamson *et al.*, [MINOS Collaboration] Measurement of the atmospheric muon charge ratio at TeV energies with MINOS, Phys. Rev. **D 76**:052003, 2007.
2. P. Adamson *et al.*, [MINOS Collaboration] Precision measurement of the speed of propagation of neutrinos with the MINOS detectors, Phys. Rev. **D 92**:052005, 2015.
3. P. Adamson *et al.*, [MINOS Collaboration] Measurement of Neutrino Oscillations with the MINOS Detectors in the NuMI Beam. Phys. Rev. Lett. **101**:131802, 2008.
4. P. Adamson *et al.*, [MINOS Collaboration] The Magnetized steel and scintillator calorimeters of the MINOS experiment. Nucl. Instrum. Meth. **A596**:190-228, 2008.
5. M. Ambrosio, et al., [MACRO Collaboration], Search for stellar gravitational collapses with the MACRO detector, Eur. Phys. J. C **37**, 265 (2004).

(iv) Synergistic Activities:

- Member of the NSF Advisory Panel for Particle, Nuclear and Astrophysics, 2008, 2009;
- Associate Dean for Undergraduate Research, 2005-2010;

- TAMU leader of the Center for the Integration of Research Teaching and Learning (TAMU-CIRTL) 2005-2012;
- Awarded College Level Distinguished Teaching Award by the Texas A&M Association of Former Students, 1996;
- Principal Investigator on a U.S. Department of Energy grant for experimental high energy physics at Texas A&M University, 1982—present;

(v) Collaborators and Other Affiliations:

(a) Collaborators (in the past 48 months):

Member of the **LUX and LZ Collaborations** (2009-present) Brown University, Edinburgh University, Fermilab, Imperial College, LLNL, LBNL, LIP Coimbra, MEPHI, Northwestern University, Rutherford Laboratory, Stanford Linear Accelerator Laboratory/Case Western, South Dakota School of Mines, South Dakota Science and Technology Authority, SUNY Albany, STFC Daresbury Laboratory, Texas A&M University, University of Alabama, University College London, University of California-Davis, University of California-Santa Barbara, University of Liverpool, University of Maryland, University of Michigan, University of Oxford, University of Rochester, University of Sheffield, University of South Dakota, University of Wisconsin, Washington University, Yale University.

Member of the **CIRTL Collaboration** (2005-present) Boston University, Cornell University, Howard University, Iowa State University, Johns Hopkins University, Michigan State University, Northwestern University, Texas A&M University, University of Georgia, University of Texas, Arlington, University of Alabama, Birmingham, University of California, San Diego, University of Colorado, University of Houston, University of Maryland, College Park, University of Massachusetts, Amherst, University of Missouri, University of Pittsburgh, University of Rochester, University of Wisconsin Vanderbilt, Washington University in St. Louis.

(b) Graduate and Post-doctoral Advisors:

Graduate Advisor: Val L. Fitch, now retired from Princeton University.

Postdoctoral Sponsor: Peter E. Schlein, Professor of Physics, University of California, Los Angeles

(c) Graduate Students and Postdoctoral Researchers Supervised

Ph.D. Degree Research Students

Michael J. Shepko, 1983-1986; Timothy L. Hessing, 1987-1990; Ashutosh Sanzgiri, 1992-1996; Masaki Watabe, 2005-2010, Tyana Stiegler, 2008-2013, Clement Sofka, 2009-2014.

Masters Degree Research Students

Adriana Giordana, 1982-1984; James Buchholz, 1982-1985; Chi-Ho Hong, 1982-1987; Filberto Zamble, 1986-1988; Michael Sampson, 1986-1988; Antonio Chan, 1988-1990; James Lamecker, 1991-1993; Shah Zaman, 1987-1990; Marcus Drew, 1997-2000; Thanassi Spiliotopoulos, 1999-2000; Masaki Watabe 2003-2005, Sunnam Min 2004-2008.

Postdoctoral Researchers Supervised

Selcuk Cihangir, 1982-1988; Teruki Kamon, 1987-1990; Timothy Hessing, 1990; Younan Lu, 1992-1994; Ashutosh Sanzgiri, 1996; Masoud Vakili, 1997-2000; Edward Tetteh-Lartey, 2000-2007; Clement Sofka, 2014; Tyana Stiegler, 2014-present.

(d) Undergraduate Students Supervised

David Lowry (Ph.D. Biophysics, Brandeis University), Daniel Theil (Ph.D. Applied Physics, Cornell University), Sharon White (Ph.D. Particle Physics, University of Tennessee), D. J. Brazelton, Matthew Fitzpatrick (Ph.D. Atomic Physics, Texas A&M University), Susan Ball, Lori Peters (MS, Condensed Matter Physics, University of Texas), Parker Altice (Ph.D. Astronomy/Astrophysics, Louisiana State University).