

Curriculum Vitae: Marjorie Shapiro

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Education :

A.B. in Physics, Magna Cum Laude, Harvard University, June 1976.
PhD. in Physics from University of California, Berkeley, Dec 1984.

Professional Experience :

Research Associate, Harvard University May 1985-July 1987.
Assistant Professor, Harvard University July 1987 - July 1989.
Loeb Associate Professor, Harvard University July 1989 - Dec 1989.
Assistant Professor, University of California, Berkeley Jan 1990 - June 1992.
Associate Professor, University of California, Berkeley July 1992 - June 1994.
Professor, University of California, Berkeley June 1994 - present (Chair, June 2004 - 2007)
Faculty Senior Scientist, Lawrence Berkeley National Laboratory, July 1992 - present

Awards :

Phi Beta Kappa, Iota chapter, September 1975.
Faculty Associate Award for excellence in teaching, University of California, Berkeley, 1977.
Presidential Young Investigator Award, NSF, 1989.
Fellow of the American Physical Society, 1992.

Committee Membership (Past 10 Years) :

- Member, FRA Visiting Committee for Fermilab Scientific Programs 2008-2011
- Member, P5 (Panel for the Prioritization of ParticlePhysics Projects), 2010
- Member, Committee to provide An Assessment of the Science Proposed for the Deep Underground Science and Engineering Laboratory (DUSEL), National Research Council, 2010-2011.
- Member, Search Committee, Director of SLAC National Laboratory, 2012.
- Member, Search Committee (and Chair of Faculty Subcommittee), Chancellor of University of California, Berkeley, 2012.
- Member, High Energy Physics Facilities Prioritization Committee, 2013.
- Member, UC Observatory Board, 2013-2015.
- Member, External Review Committee, Department of Physics, Northwestern University, 2014
- Member, External Review Committee, Department of Physics and Astronomy, University of California, Irvine 2017
- Member, External Review Committee, Department of Physics, Brown University, 2017

Other Professional Activities (Past 10 Years) :

- Co-convener ATLAS Luminosity Working Group 2008-2010.
- ATLAS representative to the LHC Physics Centre Rate Normalization Working Group, 2010-2011.
- Co-convener for Top Physics Track, XXIst International Europhysics Conference on High Energy Physics, 2011.

- Local organizing committee, Conference for Undergraduate Woman in Physics, UC Berkeley, 2014.
- Program and organizing committee, “The Art of Experiment,” a two day symposium in honor of David Nygren, Lawrence Berkeley National Laboratory, 2014.
- Co-convenor elect ATLAS Physics Modeling Group (Oct 2015 - present).

Publications : Over 770 publications in refereed journals. Selected publications include:

- **Observation of B0(s) - anti-B0(s) Oscillations**, A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 242003 (2006).
- **Luminosity Determination in pp Collisions at $\sqrt{s} = 7$ TeV Using the ATLAS Detector at the LHC**, G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **71**, 1630 (2011).
- **Search for pair production of a new quark that decays to a Z boson and a bottom quark with the ATLAS detector**, G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 071801 (2012).
- **Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector**, G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 072004 (2012).
- **Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector**, G. Aad *et al.* [ATLAS Collaboration], JHEP **1405**, 068 (2014).
- **Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**, G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **737**, 223 (2014).
- **Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV**, G. Aad *et al.* [ATLAS Collaboration]. Eur. Phys. J. C **75**, 17 (2015).
- **Measurement of jet activity in top quark events using the $e\mu$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**, JHEP 09 (2016) 0
- **Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC**, JHEP 03 (2016) 026.