

Kaustubh Agashe

PROFESSIONAL PREPARATION

University of California, Berkeley	Physics	Ph.D., 1998
Indian Institute of Technology, Bombay	Electrical Engineering	B. Tech, 1993

APPOINTMENTS

2007-present	<i>Assistant Professor</i> , Department of Physics, University of Maryland, College Park, MD
2005-2007	<i>Assistant Professor</i> , Department of Physics, Syracuse University, Syracuse, NY
2005 fall	<i>Member</i> , School of Natural Sciences, Institute for Advanced Study, Princeton, NJ
2001-2005	<i>Leon Madansky Postdoctoral Fellow & Assistant Research Scientist</i> , Department of Physics and Astronomy, Johns Hopkins University, Baltimore, MD
1998-2001	<i>Research Associate</i> , Institute of Theoretical Science, University of Oregon, Eugene, OR
1996-98	<i>Graduate Student Researcher & Interim Research Associate</i> , Lawrence Berkeley National Laboratory, University of California, Berkeley, CA

SIGNIFICANT PUBLICATIONS

1. *R-parity Violation in Flavor Changing Neutral Current Processes and Top Quark Decays* (with M. Graesser), Phys. Rev. **D54**, 4445 (1996).
2. *Improving the Fine Tuning in Models of Low Energy Gauge Mediated Supersymmetry Breaking* (with M. Graesser), Nucl. Phys. B **507**, 3 (1997).
3. *Universal Extra Dimensions and $b \rightarrow s\gamma$* (with N.G. Deshpande and G.-H. Wu), Phys. Lett. **B514**, 309 (2001).
4. *RS1, Custodial Isospin and Precision Tests* (with A. Delgado, M. J. May and R. Sundrum), JHEP **0308**, 050 (2003).
5. *Warped Unification, Proton Stability and Dark Matter* (with G. Servant), Phys. Rev. Lett. **93**, 231805 (2004).
6. *B-Factory Signals for a Warped Extra Dimension* (with G. Perez and A. Soni), Phys. Rev. Lett. **93**, 201804 (2004).
7. *The Minimal Composite Higgs Model* (with R. Contino and A. Pomarol), Nucl. Phys. B **719**, 165 (2005).
8. *Top Compositeness and Precision Unification* (with R. Contino and R. Sundrum), Phys. Rev. Lett. **95**, 171804 (2005).
9. *A Custodial Symmetry for $Zb\bar{b}$* (with R. Contino, L. Da Rold and A. Pomarol), Phys. Lett. **B 641**, 62 (2006).
10. *LHC Signals from Warped Extra Dimensions* (with A. Belyaev, T. Krupovnickas, G. Perez and J. Virzi), Phys. Rev. **D77** (2008) 015003.

TEACHING EXPERIENCE

- Fall 2008 Course "Quantum Field Theory"
Department of Physics
University of Maryland
- Spring 2008 Course "General Physics: Oscillations, Fluids, Waves, Heat, Electricity"
Department of Physics
University of Maryland
- Fall 2007 Course "Theory and Phenomenology of Extra Dimensions"
Department of Physics
University of Maryland
- Spring 2007 Course "Quantum Field Theory"
Department of Physics
Syracuse University
- Summer 2006 Lectures on "Extra Dimensions"
Theoretical Advanced Study Institute (TASI)
University of Colorado, Boulder
- Spring 2006 Course "Theory and Phenomenology of Extra Dimensions"
Department of Physics
Syracuse University
- Spring 2001 Co-Instructor for senior-level Course "Quantum Physics"
Department of Physics
University of Oregon

SYNERGISTIC ACTIVITIES

- Professional Service Referee for *Physical Review D*, *Nuclear Physics B*, *Journal of High Energy Physics*, *International Journal of Modern Physics A*, and *European Physical Journal C*
Reviewer of proposals for Physics Frontiers Centers program of National Science Foundation
- Professional Honors Leon Madansky Postdoctoral Fellowship,
Johns Hopkins University (2001-2004)

RESEARCH GRANT SUPPORT

- 2007 Department of Energy (my share in group grant: \$40,000)
Syracuse University
- 2008-2010 National Science Foundation (my share in group grant: \$30,000 per year)
University of Maryland

ADVISEES

- 2006-2009 Manuel Toharia (Postdoctoral researcher)
Syracuse University and University of Maryland
- 2007-2010 Lijun Zhu (graduate student)
University of Maryland