

Manuel Toharia

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1. Nationality

Spanish

2. Education

- Ph.D. Physics, University of California, Davis, June 2004
- M.Sc. Physics, Université du Québec à Montréal, Québec, Canada 1999
- 'Licenciatura' in Physics, Universidad Autónoma de Madrid, Spain 1997

3. Research-Academic Appointments

- Postdoctoral Position, University of Maryland, College Park, MD, August 2007 - Present.
- Postdoctoral Position, Syracuse University, Syracuse, NY, Sept. 2006 - August 2007.
- Postdoctoral Position - Research Associate, University of Michigan, Ann Arbor, MI, Sept. 2004 - August 2006.
- Research Assistant, University of California, Davis, CA, 2001-2003.
- Teaching Assistant, University of California, Davis, 1999-2004.
- Teaching Assistant, Université du Québec à Montréal, Canada, 1998-1999
- Research assistant, Université du Québec à Montréal, Canada, 1999

4. Publications

See attached *List of Publications*

5. Peer reviewing functions

- Referee for Physical Review D

6. Seminars (~1h. invited talks)

- Radion and Higgs with Bulk Matter
 - “*Flavor in the scalar sector of RS scenarios*”,
 - * HEP Theory Seminar, University of Virginia, Charlottesville, VA, Dec 2009 (upcoming).
 - * HEP Theory Seminar, University of Wisconsin, Madison, WI, Nov 2009 (upcoming).
 - * HEP Theory Seminar, Argonne National Laboratory, IL, Nov 2009 (upcoming)
 - * HEP Theory Seminar, Columbia University, NY, Sept 2009.
 - “*Revisiting the scalar sector in Warped Extra Dimensions*”, Particle Physics seminar, Perimeter Institute for Theoretical Physics, Waterloo, ON , CA, March 2009.
 - “*Higgs-Radion mixing with enhanced di-photon signal*”, HEP Lunch Seminar, University of Maryland, College Park MD, Spring 2008
- Kinks in 5D
 - “*Metastable Kinks in the Orbifold*”, Particle Theory Seminar, University of Maryland, College Park MD, Oct 22 2007.
 - “*Metastable kinks in the orbifold*”, Pizza Seminar, McGill University, Montreal, Qc, Canada, September 28th 2007
- Dirac Leptogenesis
 - “*Lepton Flavor Violation and Dirac Leptogenesis*”,
 - * Particle Theory Seminar, Cornell University, Ithaca, NY, March 7, 2007.
 - * High Energy Theory Seminar, Syracuse University, Syracuse, NY, Sept. 2006.
 - “*Supersymmetric Dirac Leptogenesis*”, High Energy
 - * Seminar, McGill University, Montreal, Qc, Canada, January 2006.
 - * High Energy Seminar, IFIC, Valencia, Spain, December 2005.
 - * High Energy Physics Group Seminar, Michigan State University, East Lansing, November 1, 2005.
- Fermions in 5D
 - “*Fermion Localization in flat extra-dimensions*”,
 - * Brownbag Seminar, University of Michigan, Fall 2004
 - * TRIUMF, Vancouver, Canada, Winter 2004
- Radion in RS1
 - “*The scalar sector of the Randall-Sundrum model*”, High Energy Theory Group seminar, Argonne National Laboratory, January 2003.

- SUSY FCNC's with Large $\tan\beta$
 - “*Flavor Changing Neutral Currents in supersymmetric models with large $\tan\beta$* ”, University of California Davis, California, November 1999.

7. Conference Talks (~20mn. talks)

- Radion and Higgs with Bulk Matter
 - “*Flavor in the scalar sector of RS scenarios*”,
 - * SUSY 2009 Conference, Northeastern University, Boston, MA, Spring 2009.
 - * PHENO 2009 Conference, Spring 2009, Madison, Wisconsin, USA
 - “*Higgs-Radion mixing from Tevatron to LHC*”,
 - * Brookhaven Forum 2008 (BF2008), Brookhaven National Laboratory, Upton NY, USA, November 6-8, 2008.
 - * Beyond the Standard Model Workshop, Sept 15-19 2008, Fermilab, Chicago, IL, USA
 - “*Revisiting Higgs-Radion mixing*”,
 - * PLANCK 08 Conference, Spring 2008, Barcelona, Spain
 - * PHENO 08 Conference, Spring 2008, Madison, Wisconsin, USA
- Kinks in 5D
 - “*Metastable Kinks in the Orbifold*”, 3rd CNY Cosmology Workshop, Syracuse University, Syracuse, NY, Sept. 21 2007.
 - “*Lepton Flavor Violation and Dirac Leptogenesis*”, Parallel Talk at SUSY 2006 Conference, Irvine, CA, 12-17 June 2006.
- Dirac Leptogenesis
 - “*Lepton Flavor Violation and Dirac Leptogenesis*”, Parallel talk at PHENO 2006 Symposium, University of Wisconsin, Madison, May 15-17, 2006.
 - “*Supersymmetric Dirac Leptogenesis*”, XI IFT-UAM/CSIC Christmas Workshop, Madrid, Spain, December 14th - 16th, 2005.
- Gluinos in Split SUSY
 - “*Gluino decays with heavier scalar superpartners*”,
 - * Argonne Theory Institute 2005: Supersymmetry, Extra Dimensions, and Higgs Bosons, Argonne National Lab, Spring 2005.
 - * PHENO 2005 Symposium, University of Wisconsin, Madison, Spring 2005.
- Fermions in 5D
 - “*Fermion Localization in flat extra-dimensions*, Argonne Theory Institute 2004: Supersymmetry, Extra Dimensions, and Higgs Bosons, Argonne National Lab, Spring 2004.

- Radion in RS1
 - “*Higgs-Radion Mixing and Electroweak Constraints*”,
 - * SUSY 2003 Conference, University of Arizona, Tucson, June 2003.
 - * Planck03 Conference, CSIC, Madrid, May 2003.
 - * PHENO 2003 Symposium, University of Wisconsin, Madison, May 2003.
 - “*On the radion (and the perturbative metric in RS1)*”, Student talk, TASI 2002 (Theoretical Advance Study Institute), Boulder, CO, July 2002.
- SUSY FCNC’s with large $\tan\beta$
 - “*Flavor Changing Neutral Currents in supersymmetric models with large $\tan\beta$* ”, MRST 99 Conference, Carleton University, Ottawa, Canada, May 1999.

8. Awards

- University of California, Davis, Graduate Summer Research Fellowship, 2003
- TASI fellowship to attend TASI 2002, Boulder, CO, June 03-29, 2002
- APS-DPF Graduate Student Fellowship to participate in Snowmass 2001, Colorado, July 2001

9. Language Proficiency

- Spanish: Spoken, Read and Written (Native)
- English: Spoken, Read and Written (Excellent)
- French: Spoken, Read and Written (Excellent)

10. Professional Membership

- American Physical Society (Division of Particle and Fields) since 1999

11. Outreach to Community

- Member of the steering committee for the Young Physicist Forum, in Snowmass 2001, CO, July 2001.
- Member of Young Particle Physicists, YPP.
- Scientific journalism article in “*Estratos*”, Trimestral periodical of ENRESA. Madrid, Spain, 1996 (ISSN 1133-5777)
- Scientific journalism article in “*El futuro que viene : enciclopedia de las nuevas tecnologías*”, Madrid, Spain, (1997) - 678 p. (ISBN 84-7880-887-6)