

# Manuel Toharia

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## Scientific Publications

### A. Papers

1. G. L. Kane, P. Kumar, D. E. Morrissey, M. Toharia, “*Connecting (Supersymmetry) LHC Measurements with High Scale Theories*”, [hep-ph/0612287]
2. B. Thomas and M. Toharia, “*Lepton flavor violation and supersymmetric Dirac leptogenesis*”, Phys. Rev. **D75**,013013, (2007) [hep-ph/0607285]
3. B. Thomas and M. Toharia, “*Dirac Neutrino genesis and Split Supersymmetry*”, Phys. Rev. **D73**,063512, (2006) [hep-ph/0511206]
4. A. Datta, G. L. Kane and M. Toharia, “*Is It SUSY?*”, [hep-ph/0510204]
5. M. Toharia and J. D. Wells, “*Gluino Decays with Heavier Scalar Superpartners*”, [hep-ph/0503175]
6. B. Grzadkowski, M. Toharia, “*Low Energy Effective Theory from a Non-Trivial Scalar Background in Extra Dimensions*”, Nucl. Phys. B **686**, 165 (2004) [hep-th/0401108]
7. J.F. Gunion, M. Toharia, J.D. Wells, “*Precision Electroweak Data and the mixed Radion-Higgs sector of Warped Extra Dimensions*”, Phys. Lett. B **585**, 295 (2004) [hep-ph/0311219]
8. M. Toharia, “*The Radion and the perturbative metric in RST*”, Mod. Phys. Lett. **A19**, 37-47 (2004) [hep-th/0212036]
9. D. Dominici, B. Grzadkowski, J.F. Gunion, M. Toharia, “*The scalar sector of the Randall-Sundrum model*”, Nucl. Phys. **B671**, 243-292, (2003) [hep-ph/0206192]
10. C. Hamzaoui, M. Pospelov, M. Toharia, “*Higgs mediated FCNC in Supersymmetric models with large tan beta*”, Phys. Rev. **D59**, 095005, (1999) [hep-ph/9807350]

### B. Conference Proceedings

1. M. Toharia, “Precision Electroweak Constraints on the Mixed Radion-Higgs Sector”, Talk given by M.T. at SUSY 2003: Supersymmetry in the Desert, U. of Arizona, Tucson, AZ, June 5-10, 2003. To appear in the Proceedings [hep-ph/0402092]

2. D. Dominici, B. Grzadkowski, J.F. Gunion, M. Toharia, “*Higgs boson interactions within the Randall-Sundrum model*”, Talk given by B.G. at “From the Planck Scale to the Electroweak Scale: Supersymmetry and Brane World (Planck 02)”, Kazimierz, Poland, 25-29 May 2002. Published in Acta Phys.Polon. **B33**, 2507-2522, (2002) [hep-ph/0206197]
3. T. Adams et al., “*Young Physicists’ Forum*”, To appear in the proceedings of APS / DPF / DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, CO, 30 Jun - 21 Jul 2001. Published in eConf **C010630**, I003, (2001) . [hep-ex/0110027]
4. C. Hamzaoui, A. Raymond, M. Toharia, M. Pospelov, “*Flavor Changing neutral currents in supersymmetric models with large tan beta*”, Talk given by M.T. at MRST Meeting, Ottawa, Canada, 1999. Published in \*Ottawa 1999, High energy physics at the millennium\* 56-63.

### C. Dissertation and Thesis

1. M. Toharia, “*Phenomenology of the mixed Higgs-radion system in the compact Randall-Sundrum scenario*”, PhD Dissertation (Adviser John F. Gunion), University of California, Davis, June 2004.
2. M. Toharia, “*Contraintes sur les courants neutres à changement de saveur dans les théories supersymétriques, lorsque tan beta est grande*”, M.Sc. Thesis (Adviser Chérif Hamzaoui), Université du Québec à Montréal, August 1999.