

Philip ‘Flip’ Tanedo

| | | |
|-----------------------|---|--|
| CONTACT INFORMATION | 117 Clark Hall Physics Department, Cornell University Ithaca, NY 14850, USA | Office: +1 607 255 0807 e-mail: pt267@cornell.edu http://www.lepp.cornell.edu/~pt267/ |
| RESEARCH INTERESTS | My primary interest is particle phenomenology beyond the Standard Model. I focus on models of electroweak symmetry breaking—such as supersymmetry and extra dimensions—and their signatures at high energy colliders, dark matter experiments, and flavor factories. | |
| EDUCATION | Cornell University , Ithaca, New York <i>Doctor of Philosophy (2013), Master of Science (2010)</i> Advisor: Csaba Csáki | 2008 – 2013 |
| | Durham University (Josephine Butler College), Durham, U.K. <i>Master of Science by Research</i> | 2007 – 2008 |
| | Cambridge University (Trinity College), Cambridge, U.K. <i>Master of Advanced Study in Mathematics with Merit</i> | 2006 – 2007 |
| | Stanford University , Stanford, California <i>Bachelor of Science in Physics and Mathematics with Honors and Distinction</i> | 2002 – 2006 |
| HONORS AND AWARDS | Paul & Daisy Soros Fellowship for New Americans National Science Foundation Graduate Research Fellowship Marshall Scholarship Barry M. Goldwater Scholarship | 2010 – 2012 2006 – 2011 2006 – 2008 2005 – 2006 |
| SELECTED PUBLICATIONS | A. Crivellin, J. Rosiek, P. Chankowski, A. Dedes, S. Jaeger, P. Tanedo, “SUSY_FLAVOR v2: A Computational tool for FCNC and CP-violating processes in the MSSM,” arXiv:1203.5023 . Hewett, J.L. et al., “Fundamental Physics at the Intensity Frontier”, arXiv:1203.6650 M. Blanke, B. Shakya, P. Tanedo, and Y. Tsai, “The Birds and the B_s : the $b \rightarrow s\gamma$ penguin in a warped extra dimension”, <i>JHEP</i> 08 (2012) 038 arXiv:1203.6650 . D. Bunk, J. Hubisz, J. Shao and P. Tanedo, “A Top Seesaw on a 5D Playground,” arXiv:1111.3951 . B. Bellazzini, C. Csáki, J. Hubisz, J. Shao, P. Tanedo, “Goldstone Fermion Dark Matter”, <i>JHEP</i> 09 (2011) 035 C. Csáki, Y. Grossman, P. Tanedo, Y. Tsai, “Warped Penguins”, <i>Phys. Rev. D</i> 83 , 073002 (2011) J. Rosiek, P. Chankowski, A. Dedes, S. Jager, P. Tanedo, “SUSY_FLAVOR: a computational tool for FCNC and CP-violating processes in the MSSM”, <i>Comp. Phys. Comm.</i> 181 , 2180-2205 (2010). A. Dedes, J. Rosiek, P. Tanedo, “Complete one-loop predictions for $B_s \rightarrow \mu^+\mu^-$ in the MSSM”, <i>Phys. Rev. D</i> 79 , 055006 (2009). | |
| SELECTED TALKS | <i>Stealthy Composite Stops</i> , Perimeter Institute Particle Physics Seminar (Nov 2012) <i>The Birds & the B_s in a Warped Extra Dimension: the $b \rightarrow s\gamma$ penguin in RS</i> Pheno 2012 (May 2012) <i>Goldstone Fermion Dark Matter</i> Harvard Particle Theory Seminar (Feb 2012), UC Irvine Joint Particle Seminar (Jan 2012), Cornell Theory Seminar (Sep 2011), SUSY 2011 (Aug 2011), UC Davis Joint Theory Seminar (Oct 2012) <i>Warped Penguins: the Empire Strikes Back</i> Cambridge DAMTP–Cavendish HEP Phenomenology Seminar (May 2011), Phenomenology 2011 Symposium (May 2011), University of Maryland Center for Fundamental Physics Seminar (Mar 2011), Cornell Theory Seminar (Feb 2011) | |

| | | |
|--|---|--|
| WORKSHOPS, SCHOOLS, CONFERENCES | Phenomenology 2012 Symposium, Pittsburgh, PA | 7 – 9 May 2012 |
| | Fundamental Physics at the Intensity Frontier, Rockville, MD | 30 Nov. – 2 Dec. 2011 |
| | Soros Fellowship for New Americans Fall Conference, OSI, New York | 20 – 23 Oct. 2011 |
| | Supersymmetry 2011, Fermilab, Batavia, IL | 28 Aug. – 2 Sep. 2011 |
| | First Year of the LHC, KITP, Santa Barbara, CA | 1 – 26 Aug. 2011 |
| | SUSY Breaking '11, CERN, Geneva, Switzerland | 13 – 24 May 2011 |
| | Phenomenology 2011 Symposium, Madison, Wisconsin | 9 – 11 May 2011 |
| | Soros Fellowship for New Americans Fall Conference, OSI, New York | 22 – 24 Oct. 2010 |
| | Emerging problems in particle phenomenology, ITS at CUNY | 9 – 10 April 2010 |
| | Theoretical Advanced Studies Institute, University of Colorado at Boulder | 1-26 June 2009 |
| | International Workshop on SUSY Breaking, Durham University IPPP | 20 – 24 Apr. 2009 |
| | Young Researchers in Mathematics (Beyond Part III), Cambridge University | 16 – 18 Apr. 2009 |
| | ICTP School on the Gauge/Gravity Correspondence, Trieste | 19 – 30 May 2008 |
| | Marshall Colloquium, Association of Commonwealth Universities, London | 12 May 2008 |
| | 5th Part III Return Conference, Cambridge University | 16 – 17 April 2008 |
| | IOP HEPP Group Annual Meeting, University of Lancaster | 31 Mar. – 2 Apr. 2008 |
| | Higgs-Maxwell Workshop: EWSB, Royal Society of Edinburgh | 13 Feb. 2008 |
| | Young Experimentalists and Theorists Institute | 7 – 9 Jan. 2008 |
| | Annual Theory Meeting, Durham University IPPP | 17 – 19 Dec. 2007 |
| | UK LHCb Annual Meeting, Durham University IPPP | 24 – 26 Dec. 2007 |
| | Cosener's Forum on Heavy Flavor Physics, Cosener's House Abingdon | 21 – 22 June 2007 |
| TEACHING | Cornell University , Ithaca, New York | |
| | <i>Teaching Assistant</i> , Physics 3327: Advanced Electricity & Magnetism | Fall 2012 |
| | <i>Course Grader</i> , Physics 7651: Quantum Field Theory I | Fall 2011 |
| | UC Berkeley , Berkeley, California | |
| | <i>Course Grader</i> , Physics 137A: Quantum Mechanics | Summer 2006 |
| | Stanford University , Stanford, California | |
| | <i>Teaching Assistant</i> , Physics 121: Electrodynamics II | Spring 2006 |
| | <i>Course Grader</i> , Physics 161: Cosmology | Spring 2006 |
| | <i>Course Assistant</i> , The Elementary Particles and their Fundamental Interactions | Summer 2004 |
| | SERVICE | Europhysics Letters , European Physical Society |
| <i>Referee</i> , Europhysics Letters | | Spring 2012 |
| US LHC Blog , NSF & Department of Energy | | |
| <i>Blogger</i> , Quantum Diaries | | 2009 – present |
| Cornell University , Ithaca, New York | | |
| <i>Member</i> , Physics Department Colloquium Committee | | 2009 – 2010 |
| <i>Organizer</i> , BSM Journal Club | | 2009 – 2011 |
| <i>Organizer</i> , Collider Physics Journal Club | | 2008 |
| Stanford University , Stanford, California | | |
| <i>Member</i> , Physics Department Undergraduate Studies Committee | | 2004 – 2006 |