

CURRICULUM VITAE

Jonathan L. Feng

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Appointments

- 2006 Professor and Chancellor's Fellow, University of California, Irvine.
- 2004 Associate Professor, University of California, Irvine.
- 2001 Assistant Professor, University of California, Irvine.
- 2000 Research Scientist, Massachusetts Institute of Technology.
- 1998 Member, Institute for Advanced Study, Princeton.
- 1995 Miller Research Fellow, University of California, Berkeley.

Education

- 1995 Stanford University, Stanford Linear Accelerator Center.
Ph.D. in Physics.
- 1990 Cambridge University, Trinity College.
M.A. in Mathematics, First Class Honours with Distinction.
- 1988 Harvard University.
A.B. in Physics, *summa cum laude*.

Awards

- 2012 Simons Fellowship in Theoretical Physics.
- 2007 Fellow, American Physical Society.
- 2006 Kavli Frontier Fellow, National Academy of Sciences.
- 2004 Sloan Research Fellowship.
- 2004 Outstanding Young Researcher Award, International Association of Chinese Physicists and Astronomers.
- 2004 Distinguished Assistant Professor Award for Research, UC Irvine Academic Senate.
- 2003 CAREER Award, National Science Foundation.
- 2001 Michelson Postdoctoral Prize in Physics.
- 1996 Visiting Fellowship, Japan Society for the Promotion of Science.
- 1994 Phi Beta Kappa Graduate Scholarship.
- 1993 Kirkpatrick Award for Excellence in Teaching, Stanford University.
- 1990 National Science Foundation Graduate Fellowship.
- 1988 Marshall Scholarship.
- 1987 TIME College Achievement Award.
- 1987 Phi Beta Kappa.

Professional Activities

- Editor-in-Chief, Central European Journal of Physics, 2011-present
- Kavli Institute for Theoretical Physics
Steering Committee Member, Advisory Board, 2010–13
- American Physical Society
Member, Executive Committee, Division of Particles and Fields, 2011-2013
Member, Selection Committee, Sakurai Dissertation Award in Theoretical Particle Physics, 2011-12
- National Research Council Decadal Survey on Astronomy and Astrophysics (Astro2010)
Member, Cosmology and Fundamental Physics Panel, 2009–10
- DOE/NSF/NASA High Energy Physics Advisory Panel and Astronomy and Astrophysics Advisory Committee
Member, DOE Office of High Energy Physics, Committee of Visitors, 2010
Member, Dark Matter Scientific Assessment Group, 2006–07
Member, Large Hadron Collider–International Linear Collider Subpanel, 2005
- Academic Senate, UC Irvine
Member, Committee on Privilege and Tenure, 2010–13
Member, Committee on Committees, 2008–10
Member, Council on Academic Personnel, 2007–08, the 11-member committee that provides the final review for all UC Irvine academic appointments and tenure, promotion, and advancement cases (~600 per year)
- Center for Cosmology, UC Irvine
Member, Executive Board, 2005–10
Co-chair of the faculty committee charged with creating a cosmology group, resulting in the appointment of four cosmologists, 2003–04
- arXiv.org E-print Archive
Moderator, High Energy Physics Phenomenology, 2003–present
- Annals of Physics
Editor, 2002–present
- Particle Data Group Collaboration
Overseeing editor and co-author, Reviews of the Top Quark, Exotic Quarks, WIMPs and Other Particle Searches, 1996–2008
- Review Panels and Visiting Committees
Visiting Committee, Fermilab, 2007; Visiting Committee, Kavli Institute for Cosmological Physics, Chicago, 2005; National Science Foundation; NASA
- Reviewer, Grant Proposals
DOE, NSF, NASA, Research Corporation, Academia Sinica (Taiwan), Austrian Science Fund, Israel Science Foundation, United States-Israel Binational Science Foundation, Netherlands Organization for Scientific Research, Natural Sciences and Engineering Research Council (Canada), Science and Technology Facilities Council (United Kingdom)

Recent Conference Organization

- Member, International Advisory Committee, 19th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY11), Fermilab and Chicago, August 2011.
- Member, International Advisory Committee, 7th TeV Particle Astrophysics Conference (TeVPA11), Stockholm, Sweden, August 2011.
- Member, International Advisory Committee, 18th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY10), Bonn, Germany, August 2010.
- Member, International Advisory Committee, TeV Particle Astrophysics 2010 (TeVPA10), Paris, France, July 2010.
- Co-convener, Parallel Session, 2010 Linear Collider Workshop (LCWS10), Beijing, China, March 2010.
- Co-convener, Parallel Session, American Linear Collider Physics Group Workshop (ALCPG09), Albuquerque, New Mexico, September 2009.
- Member, International Advisory Committee, TeV Particle Astrophysics 2009 (TeVPA09), Stanford, California, July 2009.
- Member, International Advisory Committee, 17th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY09), Boston, June 2009.
- Member, International Advisory Committee, TeV Particle Astrophysics 2008 (TeVPA08), Beijing, China, September 2008.
- Member, International Advisory Committee, 16th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY08), Seoul, Korea, June 2008.
- Member, International Advisory Committee, International Symposium on Particles, Strings, and Cosmology (PASCOS08), Waterloo, Canada, June 2008.
- Member, International Advisory Committee, TeV Particle Astrophysics 2007 (TeVPA07), Venice, Italy, August 2007.
- Member, International Advisory Committee, 15th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY07), Karlsruhe, Germany, July–August 2007.
- Member, Program Committee, 36th Committee on Space Research (COSPAR) Scientific Assembly, Beijing, China, 16-23 July 2006.
- Chair, Local Organizing Committee, 14th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY06), Irvine, California, 12–17 June 2006.
- Member, Program Committee, 2006 Linear Collider Workshop (LCWS06), Bangalore, India, 9-13 March 2006.
- Member, Program Committee, 2005 International Linear Collider Physics and Detector Workshop, Snowmass, Colorado, 14-27 August 2005.

Teaching

- Co-author, with J. Rosendahl, M. Dennin, and R. Newman, *Laboratory Manual for Physics 7L: Classical Physics*, Hayden-McNeil, Plymouth, Michigan, 2003 (1st Edition), 2005 (2nd Edition), 2007 (3rd Edition), 2009 (4th Edition).
- Kirkpatrick Teaching Award, 1993. Given annually to one Stanford doctoral candidate in physics for excellence in teaching.
- UC Irvine, Courses Taught and Instructor Evaluations
 - Physics 7D: Electricity and Magnetism for Scientists and Engineers
 - Spring 2003, 249 students, 3.8 of 4.0
 - Physics 7Dm: Electricity and Magnetism for Physics Majors (course created in 2004)
 - Spring 2004, 20 students, 3.7 of 4.0
 - Spring 2005, 20 students, 3.7 of 4.0
 - Physics 7E: Waves, Sound, and Light
 - Fall 2005, 262 students, 3.7 of 4.0
 - Winter 2007, 116 students, 3.6 of 4.0
 - Physics 7Em: Waves, Sound, and Light for Physics Majors
 - Fall 2006, 13 students, 3.9 of 4.0
 - Fall 2007, 22 students, 3.9 of 4.0
 - Fall 2008, 18 students, 4.0 of 4.0
 - Fall 2010, 21 students, 3.8 of 4.0
 - Physics 7LB: Classical Physics Laboratory
 - Winter 2003, 680 students, 5.6 of 7.0
 - Winter 2004, 724 students, 6.2 of 7.0
 - Physics 7LD: Classical Physics Laboratory
 - Spring 2006, 663 students, 6.4 of 7.0
 - Spring 2007, 564 students, 4.4 of 7.0
 - Physics 136: Introduction to Particle Physics
 - Winter 2005, 2 students, 4.0 of 4.0
 - Winter 2006, 4 students, 3.8 of 4.0
 - Physics 234A: Elementary Particle Physics
 - Winter 2009, 8 students, 4.0 of 4.0
 - Winter 2010, 6 students, 4.0 of 4.0
 - Physics 234B: Advanced Elementary Particle Physics
 - Spring 2009, 5 students, 3.9 of 4.0
 - Spring 2010, 7 students, 4.0 of 4.0
 - Spring 2011, 3 students, 4.0 of 4.0
 - Physics 235A, 237A: Quantum Field Theory
 - Fall 2002, 4 students, 3.9 of 4.0
 - Fall 2003, 4 students, 4.0 of 4.0
 - Fall 2004, 7 students, 3.8 of 4.0
- UC Irvine, Undergraduate Thesis Research Advised
 - Melissa Tong, 2006-07, Award for Outstanding Undergraduate Research in Physics
 - Michael Girard, 2010-11, Award for Outstanding Senior in Physics

Outreach

- Lecturer, “Dark Matter: WIMPs and Beyond,” Science Forum Lecture Series, Chapman University, December 2011.
- Lecturer, “Dark Matter,” TASI Public Lecture, University of Colorado, Boulder, June 2011.
- Interviewed for “Dark Matters,” Ph.D. Comics animation, Jorge Cham, with Daniel Whiteson and Jonathan Feng, 2011.
- Author, “Dark Worlds,” Jonathan Feng and Mark Trodden, Scientific American cover article, 2010.
- Interviewed for Grassroots TV, Aspen, Colorado, 2010.
- Lecturer, “What’s the Matter? The Search for Clues in our Cold, Dark Universe,” Heinz R. Pagels Memorial Lecture, Aspen, Colorado, 2010.
- Lecturer, “The Quantum Universe,” Inside Edge, Irvine, 2009.
- Lecturer, “The Large Hadron Collider: Earth-Eating Black Holes and Other Tall Tales,” University Club Forum, Irvine, 2009.
- Lecturer, “Discovering a New Universe at the Smallest Scales,” Osher Lifelong Learning Institute, Irvine, 2008.
- Lecturer, “Discovering the Quantum Universe,” UC Irvine School of Physical Sciences Breakfast Series, 2006.
- Lecturer, “Einstein, String Theory, and the Future,” in celebration of *Einstein*, an exhibit organized by the Skirball Cultural Center, Los Angeles the American Museum of Natural History, New York, and The Hebrew University of Jerusalem, 2005.
- Mentor, Career Day, McFadden Intermediate School, Santa Ana, 2005.
- Lecturer, UC Irvine Distinguished Professor Lectures, 2004.
- Lecturer, UC Irvine Executive Roundtable Retreat, 2004.
- Lecturer, “Black Holes, Dark Matter, and the Search for Extra Dimensions,” UC Irvine School of Physical Sciences Breakfast Series, 2004.
- After Dinner Speaker, Orange County Sigma Xi Meeting, 2004.
- Faculty Mentor, UC Irvine QuarkNet, 2001-2007. Designed and led Summer 2002 Associate Teachers Institute and follow-up meetings to introduce high school teachers and their students to frontier research in high energy physics.
- Invited Contributor, *The Macmillan Encyclopedia of Physics, Elementary Particle Physics*, 2002.
- Michelson Postdoctoral Prize Lectures, 2001. Awarded annually to one junior scholar active in any field of physics for excellence in science and science communication.

Recent Presentations

Jonathan L. Feng

- DARK MATTER AND INDIRECT DETECTION IN COSMIC RAYS, Centenary Symposium 2012: Discovery of Cosmic Rays, Denver, June 2012.
- NATURALNESS AND THE STATUS OF SUPERSYMMETRY, Colloquium, Kavli Institute for Cosmological Physics, Chicago, May 2012.
- DARK PARTICLES: WIMPS AND BEYOND, Physics Department Colloquium, Cornell, November 2011.
- DARK MATTER: THEORY, SUSY11: The 19th International Conference on Supersymmetry and the Unification of Fundamental Interactions, Fermilab and the University of Chicago, August-September 2011.
- ASTRO AND PARTICLE CONNECTIONS, TASI 2011: Theoretical Advanced Study Institute in Elementary Particle Physics, Boulder, Colorado, June 2011.
- DARK PARTICLES, American Physical Society April Meeting, Anaheim, California, April-May 2011.
- WIMP PARADIGM: CURRENT STATUS, Fermilab Colloquium and plenary talk, International Symposium on Experiments on the Cosmic Frontier 2011, Fermilab, March 2011.
- WIMPS AND BEYOND, Physics Department Colloquium, Princeton, February 2011.
- DARK MATTERS, Physics Department Colloquium, University of Hawaii, September 2010.
- RECENT DEVELOPMENTS IN DARK MATTER: THEORY PERSPECTIVE, 2010 Phenomenology Symposium, Madison Wisconsin, May 2010.
- IMPLICATIONS OF RECENT DATA FOR THEORIES OF DARK MATTER, Strings at the LHC and in the Early Universe, KITP Santa Barbara, May 2010.
- DARK MATTER IN EARLY LHC DATA, West Coast ATLAS Forum, March 2010.
- LHC PROSPECTS FOR COSMOLOGY, Annual UK Theory Meeting, Durham, England, December 2009.
- WIMP AND RELATED MIRACLES, Inaugural Workshop of the Center for Cosmology, University of Pennsylvania, Philadelphia, December 2009.
- LHC PROSPECTS FOR COSMOLOGY, COSMO 09, CERN, Geneva, Switzerland, September 2009.
- RECENT DEVELOPMENTS IN DARK MATTER AND IMPLICATIONS FOR COLLIDERS, Joint Experimental-Theoretical Seminar, Fermilab, June 2009.
- DARK MATTER CANDIDATES AND SIGNALS, SLAC Colloquium, Stanford, California, June 2009.
- DARK MATTER PHENOMENOLOGY, Tenth Conference on the Intersections of Particle and Nuclear Physics, San Diego, May 2009.
- MISSING E_T — NOT!, West Coast LHC Theory Network, UC Riverside, April 2009.
- DARK MATTER CANDIDATES AND SIGNALS, Physics Department Colloquium, UC Santa Cruz, March 2009.

- WIMPS AND THEIR RELATIONS, Canadian Institute for Advanced Research Annual Meeting, Mont Tremblant, Quebec, Canada, March 2009.
- DARK MATTER CANDIDATES AND SIGNALS, 24th Texas Symposium on Relativistic Astrophysics, Vancouver, Canada, December 2008.
- WIMPS AND THEIR RELATIONS, Particle and Nuclear Physics Colloquium, MIT, October 2008.
- DARK MATTERS, Physics Research Conference, Caltech Colloquium, October 2008.
- THE WIMPLESS MIRACLE, Anticipating Physics at the LHC, KITP, Santa Barbara, June 2008.
- DARK MATTERS, Caltech-JPL Association for Gravitational Wave Research, Caltech, March 2008.
- IDENTIFYING DARK MATTER, Physics Department Colloquium, UC Davis, February 2008.
- UNPARTICLE PHYSICS, Detecting The Unexpected, UC Davis, November 2007.
- PHYSICS OF NON-PROMPT TRACKS, American Linear Collider Physics Working Group Workshop, Fermilab, October 2007.
- THE SEARCH FOR DARK MATTER, Physics Department Colloquium, Cal State Long Beach, October 2007.
- SUPERSYMMETRY FOR ASTROPHYSICISTS, Dark Matter: From the Cosmos to the Laboratory, SLAC Summer Institute, August 2007.
- COLLIDER PHYSICS AND COSMOLOGY, 18th International Conference on General Relativity and Gravitation, Sydney, Australia, July 2007.
- THE DARK UNIVERSE AND MICROPHYSICAL COSMOLOGY, Congress 2007, Canadian Association of Physicists, Saskatoon, Saskatchewan, June 2007.
- SUPERSYMMETRIC DARK MATTER, Plenary Colloquium, The Hunt for Dark Matter: A Symposium on Collider, Direct, and Indirect Searches, Fermilab, May 2007.
- PARTICLE DARK MATTER CANDIDATES, Astrophysical Probes of the Nature of Dark Matter, NAS Beckman Center, UC Irvine, March 2007.
- THE ILC AND NEW DEVELOPMENTS IN COSMOLOGY, Plenary Colloquium, 9th ACFA International Linear Collider Workshop and ILC GDE Meeting, Beijing, China, February 2007.
- THE COMPLETE PHASE DIAGRAM OF MINIMAL UNIVERSAL EXTRA DIMENSIONS, String Phenomenology Workshop, KITP, Santa Barbara, December 2006.
- TESTING EXTRA DIMENSIONS, Frontiers of Science Symposium, National Academy of Sciences, Irvine, California, 2-4 November 2006.
- DARK MATTER AND RELATED COLLIDER PHYSICS, Summer Institute 2006, Asia Pacific Center for Theoretical Physics, Pohang, Korea, 23-30 August 2006.
- DARK MATTER AND SUPERGRAVITY, Strings 2006, Beijing, China, 19-24 June 2006.
- RECENT PROGRESS IN SUSY DARK MATTER, 2006 Mitchell Symposium on Astronomy, Cosmology and Fundamental Physics, Texas A&M, 10-14 April 2006.
- DARK MATTERS, Physics Department Colloquium, UC San Diego, 2 February 2006.

List of Publications

Jonathan L. Feng

9000 citations, $h = 53$ (INSPIRE, December 2011, excluding Reviews of Particle Physics)

122. FOCUS POINT SUPERSYMMETRY REDUX, J. L. Feng, K. T. Matchev, D. Sanford, arXiv:1112.3021 [hep-ph].
121. WIMPLESS DARK MATTER FROM AN AMSB HIDDEN SECTOR WITH NO NEW MASS PARAMETERS, J. L. Feng, V. Rentala, Z. Surujon, arXiv:1111.4479 [hep-ph].
120. WIMPLESS DARK MATTER IN ANOMALY-MEDIATED SUPERSYMMETRY BREAKING WITH HIDDEN QED, J. L. Feng, V. Rentala, Z. Surujon, Phys. Rev. **D84**, 095033 (2011), arXiv:1108.4689 [hep-ph].
119. B 's WITH DIRECT DECAYS: TEVATRON AND LHC DISCOVERY PROSPECTS IN THE $b\bar{b} + \cancel{E}_T$ CHANNEL, J. Alwall, J. L. Feng, J. Kumar, S. Su, Phys. Rev. **D84**, 074010 (2011), arXiv:1107.2919 [hep-ph].
118. ISOSPIN-VIOLATING DARK MATTER, J. L. Feng, J. Kumar, D. Marfatia, D. Sanford, Phys. Lett. **B703**, 124 (2011), arXiv:1102.4331 [hep-ph].
117. WIMPLESS DARK MATTER FROM NON-ABELIAN HIDDEN SECTORS WITH ANOMALY-MEDIATED SUPERSYMMETRY BREAKING, J. L. Feng, Y. Shadmi, Phys. Rev. **D83**, 095011 (2011), arXiv:1102.0282 [hep-ph].
116. HEART OF DARKNESS: THE SIGNIFICANCE OF THE ZEPTOBARN SCALE FOR NEUTRALINO DIRECT DETECTION, J. L. Feng, D. Sanford, JCAP **05**, 018 (2011), arXiv:1009.3934 [hep-ph].
115. SOMMERFELD ENHANCEMENTS FOR THERMAL RELIC DARK MATTER, J. L. Feng, M. Kaplinghat and H. Yu, Phys. Rev. **D82**, 083525 (2010), arXiv:1005.4678 [hep-ph].
114. LIGHT GRAVITINOS AT COLLIDERS AND IMPLICATIONS FOR COSMOLOGY, J. L. Feng, M. Kamionkowski, S. K. Lee, Phys. Rev. **D82**, 015012 (2010), arXiv:1004.4213 [hep-ph].
113. DARK MATTER CANDIDATES FROM PARTICLE PHYSICS AND METHODS OF DETECTION, J. L. Feng, Ann. Rev. Astron. Astrophys. **48**, 495 (2010), arXiv:1003.0904 [astro-ph.CO].
112. NON-WIMP CANDIDATES, J. L. Feng, Chapter 10 in *Particle Dark Matter: Observations, Models and Searches*, edited by G. Bertone (Cambridge University Press, 2010), arXiv:1002.3828 [hep-ph].
111. DARK MATTER-MOTIVATED SEARCHES FOR EXOTIC 4TH GENERATION QUARKS IN TEVATRON AND EARLY LHC DATA, J. Alwall, J. L. Feng, J. Kumar, S. Su, Phys. Rev. **D81**, 114027 (2010), arXiv:1002.3366 [hep-ph].

110. HALO SHAPE AND RELIC DENSITY EXCLUSIONS OF SOMMERFELD-ENHANCED DARK MATTER EXPLANATIONS OF COSMIC RAY EXCESSES, J. L. Feng, M. Kaplinghat and H. Yu, *Phys. Rev. Lett.* **104**, 151301 (2010), arXiv:0911.0422 [hep-ph].
109. MEASURING SLEPTON MASSES AND MIXINGS AT THE LHC, J. L. Feng, S. T. French, I. Galon, C. G. Lester, Y. Nir, D. Sanford, Y. Shadmi and F. Yu, *JHEP* **01**, 47 (2010), arXiv:0910.1618 [hep-ph].
108. WIMPLESS DARK MATTER, J. L. Feng and J. Kumar, in *Proceedings of the 17th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY09)*, Boston, 5-10 June 2009, arXiv:0909.2877 [hep-ph].
107. DARK MATTER PHENOMENOLOGY, J. L. Feng, in *Proceedings of the Tenth Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2009)*, San Diego, California, 26-31 May 2009, arXiv:0908.1388 [hep-ph].
106. THE SHIFTED PEAK: RESOLVING NEARLY DEGENERATE PARTICLES AT THE LHC, J. L. Feng, S. T. French, C. G. Lester, Y. Nir and Y. Shadmi, *Phys. Rev.* **D80**, 114004 (2009), arXiv:0906.4215 [hep-ph].
105. HIDDEN CHARGED DARK MATTER, J. L. Feng, M. Kaplinghat, H. Tu and H.-B. Yu, *JCAP* **7**, 4 (2009), arXiv:0905.3039 [hep-ph].
104. THREE-BODY DECAYS OF SLEPTONS WITH GENERAL FLAVOR VIOLATION AND LEFT-RIGHT MIXING, J. L. Feng, I. Galon, D. Sanford, Y. Shadmi and F. Yu, *Phys. Rev.* **D79**, 116009 (2009), arXiv:0904.1416 [hep-ph].
103. SPICE: SIMULATION PACKAGE FOR INCLUDING FLAVOR IN COLLIDER EVENTS, G. Engelhard, J. L. Feng, I. Galon, D. Sanford and F. Yu, *Comput. Phys. Commun.* **181**, 213 (2010), arXiv:0904.1415 [hep-ph].
102. SEARCHES FOR SUPERSYMMETRY AT HIGH-ENERGY COLLIDERS, J. L. Feng, J.-F. Grivaz and J. Nachtman, *Rev. Mod. Phys.* **82**, 699 (2010), arXiv:0903.0046 [hep-ex].
101. TESTING THE DARK MATTER INTERPRETATION OF THE DAMA/LIBRA RESULT WITH SUPER-KAMIOKANDE, J. L. Feng, J. Kumar, J. Learned and L. E. Strigari, *JCAP* **1**, 32 (2009), arXiv:0808.4151 [hep-ph].
100. THERMAL RELICS IN HIDDEN SECTORS, J. L. Feng, H. Tu and H. Yu, *JCAP* **10**, 43 (2008), arXiv:0808.2318 [hep-ph].
99. EXPLAINING THE DAMA SIGNAL WITH WIMPLESS DARK MATTER, J. L. Feng, J. Kumar and L. E. Strigari, *Phys. Lett.* **B670**, 37 (2008), arXiv:0806.3746 [hep-ph].
98. THE WIMPLESS MIRACLE: DARK MATTER PARTICLES WITHOUT WEAK-SCALE MASSES OR WEAK INTERACTIONS, J. L. Feng and J. Kumar, *Phys. Rev. Lett.* **101**, 231301 (2008), arXiv:0803.4196 [hep-ph].

97. UNPARTICLE SELF-INTERACTIONS AND THEIR COLLIDER IMPLICATIONS, J. L. Feng, A. Rajaraman and H. Tu, *Phys. Rev.* **D77**, 075007 (2008), arXiv:0801.1534 [hep-ph].
96. COLLIDER PHYSICS AND COSMOLOGY, J. L. Feng, in *Special Plenary Volume of the Proceedings of the 18th International Conference on General Relativity and Gravitation (GRG18) and the 7th Edoardo Amaldi Conference on Gravitational Waves (Amaldi7)*, Sydney, Australia, 8-14 July 2007, *Class. Quantum Grav.* **25**, 114003 (2008), arXiv:0801.1334 [gr-qc].
95. THE STANDARD MODEL AND SUPERSYMMETRIC FLAVOR PUZZLES AT THE LARGE HADRON COLLIDER, J. L. Feng, C. G. Lester, Y. Nir and Y. Shadmi, *Phys. Rev.* **D77**, 076002 (2008), arXiv:0712.0674 [hep-ph].
94. GOLDBLOCKS SUPERSYMMETRY: SIMULTANEOUS SOLUTION TO DARK MATTER AND FLAVOR PROBLEMS OF SUPERSYMMETRY, J. L. Feng, B. T. Smith and F. Takayama, *Phys. Rev. Lett.* **100**, 021302 (2008), arXiv:0709.0297 [hep-ph].
93. MINIMAL UNIVERSAL EXTRA DIMENSIONS, J. A. R. Cembranos, J. L. Feng and L. E. Strigari, in *Proceedings of the XXIII International Symposium on Lepton and Photon Interactions at High Energy*, Daegu, Korea, 13-18 August 2007, 0708.0239 [hep-ph].
92. DARK MATTER DECAYING NOW, J. A. R. Cembranos, J. L. Feng and L. E. Strigari, in *Proceedings of the XXIII International Symposium on Lepton and Photon Interactions at High Energy*, Daegu, Korea, 13-18 August 2007, 0708.0247 [astro-ph].
91. UNPARTICLES: SCALES AND HIGH ENERGY PROBES, M. Bander, J. L. Feng, A. Rajaraman and Y. Shirman, *Phys. Rev.* **D76**, 115002 (2007), 0706.2677 [hep-ph].
90. RESOLVING COSMIC GAMMA RAY ANOMALIES WITH DARK MATTER DECAYING NOW, J. A. R. Cembranos, J. L. Feng and L. E. Strigari, *Phys. Rev. Lett.* **99**, 191301 (2007), 0704.1658 [astro-ph].
89. GRAVITINO AND AXINO SUPERWIMPS, J. A. R. Cembranos, J. L. Feng, A. Rajaraman and F. Takayama, in *Proceedings of the 14th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY06)*, Irvine, California, 12–17 June 2006, hep-ph/0701011.
88. EXOTIC COLLIDER SIGNALS FROM THE COMPLETE PHASE DIAGRAM OF MINIMAL UNIVERSAL EXTRA DIMENSIONS, J. A. R. Cembranos, J. L. Feng and L. E. Strigari, *Phys. Rev.* **D75**, 036004 (2007), hep-ph/0612157.
87. RETROFITTING O’RAIFEARTAIGH MODELS WITH DYNAMICAL SCALES, M. Dine, J. L. Feng and E. Silverstein, *Phys. Rev.* **D74**, 095012 (2006), hep-th/0608159.
86. COLLIDER SIGNATURES OF SUPERWIMP WARM DARK MATTER, J. A. R. Cembranos, J. L. Feng, A. Rajaraman, B. T. Smith and F. Takayama, in *Proceedings of the 2005 International Linear Collider Physics and Detector Workshop (Snowmass 2005)*, 14–27 August 2005, hep-ph/0603067.

85. NEW DEVELOPMENTS IN EXTRA-DIMENSIONAL DARK MATTER, J. A. R. Cembranos, A. Dobado, J. L. Feng, A. L. Maroto, A. Rajaraman and F. Takayama, in *Proceedings of the 2005 International Linear Collider Physics and Detector Workshop (Snowmass 2005)*, 14–27 August 2005, astro-ph/0512569.
84. MINIMAL SUPERGRAVITY WITH $m_0^2 < 0$, J. L. Feng, A. Rajaraman and B. T. Smith, Phys. Rev. **D74**, 015013 (2006), hep-ph/0512172.
83. DARK MATTER AT THE FERMI SCALE, J. L. Feng, invited review, J. Phys. G: Nucl. Part. Phys. **32**, R1 (2006), astro-ph/0511043.
82. ILC COSMOLOGY, J. L. Feng, Plenary Colloquium in *Proceedings of the 2005 International Linear Collider Workshop*, Stanford, California, 18–22 March 2005, ed. J. Hewett, hep-ph/0509309.
81. SUPERWIMP SOLUTIONS TO SMALL SCALE STRUCTURE PROBLEMS, J. A. R. Cembranos, J. L. Feng, A. Rajaraman and F. Takayama, Phys. Rev. Lett. **95**, 181301 (2005), hep-ph/0507150.
80. ADVANTAGES AND DISTINGUISHING FEATURES OF FOCUS POINT SUPERSYMMETRY, J. L. Feng and F. Wilczek, Phys. Lett. **B631**, 170 (2005), hep-ph/0507032.
79. PARTICLE PHYSICS ON ICE: CONSTRAINTS ON NEUTRINO INTERACTIONS FAR ABOVE THE WEAK SCALE, L. Anchordoqui, J. L. Feng and H. Goldberg, Phys. Rev. Lett. **96**, 021101 (2006), hep-ph/0504228.
78. LOWER LIMIT ON DARK MATTER PRODUCTION AT THE LARGE HADRON COLLIDER, J. L. Feng, S. Su and F. Takayama, Phys. Rev. Lett. **96**, 151802 (2006), hep-ph/0503117.
77. SUPERWIMP COSMOLOGY AND COLLIDER PHYSICS, J. L. Feng, A. Rajaraman, B. T. Smith, S. Su and F. Takayama, in *Proceedings of the 12th International Conference on Supersymmetry, SUSY04*, Tsukuba, Japan, 17–23 June 2004, eds. K. Hagiwara, J. Kanzaki, N. Okada, hep-ph/0410178.
76. SUPERWIMP DARK MATTER IN SUPERGRAVITY WITH A GRAVITINO LSP, J. L. Feng, S. Su and F. Takayama, in *Proceedings of the 12th International Conference on Supersymmetry, SUSY04*, Tsukuba, Japan, 17–23 June 2004, eds. K. Hagiwara, J. Kanzaki, N. Okada, hep-ph/0410119.
75. SLEPTON TRAPPING AT THE CERN LARGE HADRON COLLIDER AND THE INTERNATIONAL LINEAR COLLIDER, J. L. Feng and B. T. Smith, Phys. Rev. **D71**, 015004 (2005), hep-ph/0409278.
74. PROBING GRAVITATIONAL INTERACTIONS OF ELEMENTARY PARTICLES, J. L. Feng, A. Rajaraman and F. Takayama, Second Award Essay on Gravitation, Gravity Research Foundation, Gen. Rel. Grav. **36**, 2575 (2004), hep-th/0405248.

73. DARK MATTER DETECTION IN SPACE, J. L. Feng, Nucl. Phys. Proc. Suppl. **134**, 95 (2004), *Proceedings of the 2nd International Conference on Particle and Fundamental Physics in Space (SpacePart03)*, December 2003, Washington, D.C., astro-ph/0405479.
72. SUPERGRAVITY WITH A GRAVITINO LSP, J. L. Feng, S. F. Su and F. Takayama, Phys. Rev. **D70**, 075019 (2004), hep-ph/0404231.
71. SUPERWIMP GRAVITINO DARK MATTER FROM SLEPTON AND SNEUTRINO DECAYS, J. L. Feng, S. F. Su and F. Takayama, Phys. Rev. **D70**, 063514 (2004), hep-ph/0404198.
70. SUPERSYMMETRY AND COSMOLOGY, J. L. Feng, Annals Phys. **315**, 2 (2005), hep-ph/0405215.
69. INELASTIC BLACK HOLE PRODUCTION AND LARGE EXTRA DIMENSIONS, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, Phys. Lett. **B594**, 363 (2004), hep-ph/0311365.
68. BLACK HOLES FROM COLLIDERS AND COSMIC RAYS, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, in *Proceedings of the 3rd International Symposium on Quantum Theory and Symmetries (QTS3)*, September 2003, Cincinnati.
67. CHARACTERISTICS OF COSMIC RAY SHOWERS MEDIATED BY BLACK HOLES, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, in *Proceedings of the 10th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories*, July 2003, Rio de Janeiro, Brazil.
66. QUEST FOR BLACK HOLES AND SUPERSTRING EXCITATIONS IN COSMIC RAY DATA, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, in *Proceedings of the International Workshop on Particle Physics and the Early Universe (COSMO03)*, August 2003, Ambleside, U.K., hep-ph/0309082.
65. SEARCHING FOR GRAVITY'S HIDDEN STRENGTH, J. L. Feng, invited Perspective, Science **302**, 795 (2003).
64. SUPERWIMPS IN SUPERGRAVITY, J. L. Feng, in *Proceedings of the International Conference on 20 Years of SUGRA and the Search for SUSY and Unification (SUGRA20)*, March 2003, Northeastern University, Boston, hep-ph/0308201.
63. GRAVITON COSMOLOGY IN UNIVERSAL EXTRA DIMENSIONS, J. L. Feng, A. Rajaraman and F. Takayama, Phys. Rev. **D68**, 085018 (2003), hep-ph/0307375.
62. UPDATED LIMITS ON TEV-SCALE GRAVITY FROM ABSENCE OF NEUTRINO COSMIC RAY SHOWERS MEDIATED BY BLACK HOLES, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, Phys. Rev. **D68**, 104025 (2003), hep-ph/0307228.
61. SUPERWIMP DARK MATTER SIGNALS FROM THE EARLY UNIVERSE, J. L. Feng, A. Rajaraman and F. Takayama, Phys. Rev. **D68**, 063504 (2003), hep-ph/0306024.

60. TEV SCALE BLACK HOLES FROM COSMIC RAYS, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, in *Proceedings of the International Conference on 20 Years of SUGRA (SUGRA20)*, March 2003, Boston.
59. SUPERWEAKLY INTERACTING MASSIVE PARTICLES, J. L. Feng, A. Rajaraman and F. Takayama, *Phys. Rev. Lett.* **91**, 011302 (2003), hep-ph/0302215.
58. SUPERSYMMETRY AND THE LINEAR COLLIDER, J. L. Feng and M. M. Nojiri, invited contribution to appear as a chapter in *Physics in the New Millennium*, eds. K. Fujii, D. Miller and A. Soni (World Scientific, Singapore, 2002), hep-ph/0210390.
57. THE MEASUREMENT OF THE MUON'S ANOMALOUS MAGNETIC MOMENT ISN'T, J. L. Feng, K. T. Matchev and Y. Shadmi, *Phys. Lett.* **B555**, 89 (2003), hep-ph/0208106.
56. NEUTRINO BOUNDS ON ASTROPHYSICAL SOURCES AND NEW PHYSICS, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, *Phys. Rev.* **D66**, 103002 (2002), hep-ph/0207139.
55. KALUZA-KLEIN DARK MATTER, H. C. Cheng, J. L. Feng and K. T. Matchev, *Phys. Rev. Lett.* **89**, 211301 (2002), hep-ph/0207125.
54. SUPERSYMMETRY, J. L. Feng, in *The Macmillan Encyclopedia of Physics, Elementary Particle Physics*, ed. J. S. Rigden (Macmillan Reference, New York, 2002).
53. p -BRANES AND THE GZK PARADOX, L. A. Anchordoqui, J. L. Feng and H. Goldberg, *Phys. Lett.* **B535**, 302 (2002), hep-ph/0202124.
52. DETECTING MICROSCOPIC BLACK HOLES WITH NEUTRINO TELESCOPES, J. Alvarez-Muniz, J. L. Feng, F. Halzen, T. Han and D. Hooper, *Phys. Rev.* **D65**, 124015 (2002), hep-ph/0202081.
51. BLACK HOLES FROM COSMIC RAYS: PROBES OF EXTRA DIMENSIONS AND NEW LIMITS ON TEV-SCALE GRAVITY, L. A. Anchordoqui, J. L. Feng, H. Goldberg and A. D. Shapere, *Phys. Rev.* **D65**, 124027 (2002), hep-ph/0112247.
50. PARTICLE AND ASTROPARTICLE SEARCHES FOR SUPERSYMMETRY, J. L. Feng, K. T. Matchev and F. Wilczek, in *Proceedings of the Summer Study on the Future of Particle Physics (Snowmass 2001)*, 30 June – 21 July 2001, hep-ph/0111295.
49. SUPERSYMMETRIC DARK MATTER DETECTION AT POST-LEP BENCHMARK POINTS, J. R. Ellis, J. L. Feng, A. Ferstl, K. T. Matchev and K. A. Olive, in *Proceedings of the Summer Study on the Future of Particle Physics (Snowmass 2001)*, 30 June – 21 July 2001, hep-ph/0111294.
48. $g_\mu - 2$ IN SUPERSYMMETRY, J. L. Feng and K. T. Matchev, in *Proceedings of the Summer Study on the Future of Particle Physics (Snowmass 2001)*, 30 June – 21 July 2001, hep-ph/0111004.

47. PROSPECTS FOR DETECTING SUPERSYMMETRIC DARK MATTER AT POST-LEP BENCHMARK POINTS, J. R. Ellis, J. L. Feng, A. Ferstl, K. T. Matchev and K. A. Olive, *Eur. Phys. J.* **C24**, 311 (2002), astro-ph/0110225.
46. MUON DIPOLE MOMENT EXPERIMENTS: INTERPRETATION AND PROSPECTS, J. L. Feng, K. T. Matchev and Y. Shadmi, in *Proceedings of the Summer Study on the Future of Particle Physics (Snowmass 01)*, 30 June – 21 July 2001, hep-ph/0110157.
45. BLACK HOLE PRODUCTION BY COSMIC RAYS, J. L. Feng and A. D. Shapere, *Phys. Rev. Lett.* **88**, 021303 (2002), hep-ph/0109106.
44. THEORETICAL EXPECTATIONS FOR THE MUON'S ELECTRIC DIPOLE MOMENT, J. L. Feng, K. T. Matchev and Y. Shadmi, *Nucl. Phys.* **B613**, 366 (2001), hep-ph/0107182.
43. SELECTRON STUDIES AT e^-e^- AND e^+e^- COLLIDERS, J. L. Feng and M. E. Peskin, *Phys. Rev.* **D64**, 115002 (2001), hep-ph/0105100.
42. OBSERVABILITY OF EARTH-SKIMMING ULTRA-HIGH ENERGY NEUTRINOS, J. L. Feng, P. Fisher, F. Wilczek and T. M. Yu, *Phys. Rev. Lett.* **88**, 161102 (2002), hep-ph/0105067.
41. SUPERSYMMETRY AND THE ANOMALOUS ANOMALOUS MAGNETIC MOMENT OF THE MUON, J. L. Feng and K. T. Matchev, *Phys. Rev. Lett.* **86**, 3480 (2001), hep-ph/0102146.
40. THEORETICAL OVERVIEW: MOTIVATIONS FOR LEPTON FLAVOR VIOLATION, J. L. Feng, in *Proceedings of New Initiatives in Lepton Flavor Violation and Neutrino Oscillations*, University of Hawaii, 2–6 October 2000, hep-ph/0101122.
39. DARK MATTER IMPLICATIONS FOR LINEAR COLLIDERS, J. L. Feng, in *Proceedings of the 5th International Linear Collider Workshop (LCWS 2000)*, Fermilab, 24–28 October 2000, hep-ph/0012277.
38. FOCUS POINT SUPERSYMMETRY: PROTON DECAY, FLAVOR AND CP VIOLATION, AND THE HIGGS BOSON MASS, J. L. Feng and K. T. Matchev, *Phys. Rev.* **D63**, 95003 (2001), hep-ph/0011356.
37. PROSPECTS FOR INDIRECT DETECTION OF NEUTRALINO DARK MATTER, J. L. Feng, K. T. Matchev and F. Wilczek, *Phys. Rev.* **D63**, 45024 (2001), astro-ph/0008115.
36. SALTATORY RELAXATION OF THE COSMOLOGICAL CONSTANT, J. L. Feng, J. March-Russell, S. Sethi and F. Wilczek, *Nucl. Phys.* **B602**, 307 (2001), hep-th/0005276.
35. NEUTRALINO DARK MATTER AND FOCUS POINT SUPERSYMMETRY, J. L. Feng, K. T. Matchev and F. Wilczek, *Phys. Lett.* **B482**, 388 (2000), hep-ph/0004043.
34. NATURALNESS REEXAMINED: IMPLICATIONS FOR SUPERSYMMETRY SEARCHES, J. L. Feng, K. T. Matchev and T. Moroi, in *Proceedings of the 7th International Symposium on Particles, Strings and Cosmology (PASCOS 99)*, Lake Tahoe, California, hep-ph/0003138.

33. THEORY SUMMARY: PHYSICS AT e^-e^- COLLIDERS, J. L. Feng, in *Proceedings of the 3rd International Workshop on Electron-Electron Interactions at TeV Energies (e^-e^-99)*, Santa Cruz, California, Int. J. Mod. Phys. **A15**, 2355 (2000), hep-ph/0002055.
32. NEUTRINO PARAMETERS, ABELIAN FLAVOR SYMMETRIES, AND CHARGED LEPTON FLAVOR VIOLATION, J. L. Feng, Y. Nir and Y. Shadmi, Phys. Rev. **D61**, 113005 (2000), hep-ph/9911370.
31. SUPERHEAVY SUPERSYMMETRY FROM SCALAR MASS- A PARAMETER FIXED POINTS, J. Bagger, J. L. Feng, N. Polonsky and R.-J. Zhang, Phys. Lett. **B473**, 264 (2000), hep-ph/9911255.
30. FOCUS POINTS AND NATURALNESS IN SUPERSYMMETRY, J. L. Feng, K. T. Matchev and T. Moroi, Phys. Rev. **D61**, 75005 (2000), hep-ph/9909334.
29. MULTI-TeV SCALARS ARE NATURAL IN MINIMAL SUPERGRAVITY, J. L. Feng, K. T. Matchev and T. Moroi, Phys. Rev. Lett. **84**, 2322 (2000), hep-ph/9908309.
28. SUPERNATURAL SUPERSYMMETRY: PHENOMENOLOGICAL IMPLICATIONS OF ANOMALY-MEDIATED SUPERSYMMETRY BREAKING, J. L. Feng and T. Moroi, Phys. Rev. **D61**, 95004 (2000), hep-ph/9907319.
27. NATURALLY HEAVY SCALARS IN SUPERSYMMETRIC GRAND UNIFIED THEORIES, J. Bagger, J. L. Feng and N. Polonsky, Nucl. Phys. **B563**, 3 (1999), hep-ph/9905292.
26. DISCOVERING SUPERSYMMETRY AT THE TEVATRON IN WINO LSP SCENARIOS, J. L. Feng, T. Moroi, L. Randall, M. Strassler and S. Su, Phys. Rev. Lett. **83**, 1731 (1999), hep-ph/9904250.
25. SOLVING THE SUPERSYMMETRIC FLAVOR PROBLEM WITH RADIATIVELY GENERATED MASS HIERARCHIES, J. L. Feng, C. Kolda and N. Polonsky, Nucl. Phys. **B546**, 3 (1999), hep-ph/9810500.
24. SUPERSYMMETRY AT LINEAR COLLIDERS: THE IMPORTANCE OF BEING e^-e^- , J. L. Feng, in *Proceedings of the 2nd International Workshop on Electron-Electron Interactions at TeV Energies*, Santa Cruz, California, ed. C. A. Heusch, Int. J. Mod. Phys. **A13**, 2319 (1998), hep-ph/9803319.
23. R -PARITY VIOLATION AND SNEUTRINO RESONANCES AT MUON COLLIDERS, J. L. Feng, in *Proceedings of the 4th International Conference on $\mu^+\mu^-$ Colliders*, San Francisco, ed. D. B. Cline (AIP, Woodbury, New York, 1998), hep-ph/9801248.
22. TEVATRON SIGNATURES OF LONG-LIVED CHARGED SLEPTONS IN GAUGE-MEDIATED SUPERSYMMETRY BREAKING MODELS, J. L. Feng and T. Moroi, Phys. Rev. **D58**, 035001 (1998), hep-ph/9712499.

21. *R*-PARITY VIOLATION AND SNEUTRINO RESONANCES AT MUON COLLIDERS, J. L. Feng, J. F. Gunion and T. Han, Phys. Rev. **D58**, 071701 (1998), hep-ph/9711414.
20. THIRD GENERATION FAMILONS, *B* FACTORIES, AND NEUTRINO COSMOLOGY, J. L. Feng, T. Moroi, H. Murayama and E. Schnapka, Phys. Rev. **D57**, 5875 (1998), hep-ph/9709411.
19. NEW PROBES OF SUPERSYMMETRY BEYOND THE MINIMAL FRAMEWORK, J. L. Feng, in *Proceedings of The 5th International Conference on Supersymmetry, SUSY '97*, University of Pennsylvania, eds. M. Cvetič and P. Langacker (Elsevier, Amsterdam, 1997), hep-ph/9708361.
18. DETERMINING $\tan\beta$ AT THE NLC WITH SUSY HIGGS BOSONS, J. L. Feng and T. Moroi, in *Proceedings of The 5th International Conference on Supersymmetry, SUSY '97*, University of Pennsylvania, eds. M. Cvetič and P. Langacker (Elsevier, Amsterdam, 1997), hep-ph/9707494.
17. SIGNATURES OF MULTI-TeV SCALE PARTICLES IN SUPERSYMMETRIC THEORIES, H.-C. Cheng, J. L. Feng and N. Polonsky, Phys. Rev. **D57**, 152 (1998), hep-ph/9706476.
16. SUPER-OBLIQUE CORRECTIONS AND NON-DECOUPLING OF SUPERSYMMETRY BREAKING, H.-C. Cheng, J. L. Feng and N. Polonsky, Phys. Rev. **D56**, 6875 (1997), hep-ph/9706438.
15. CP VIOLATION FROM SLEPTON OSCILLATIONS AT THE LHC AND NLC, N. Arkani-Hamed, H.-C. Cheng, J. L. Feng and L. J. Hall, Nucl. Phys. **B505**, 3 (1997), hep-ph/9704205.
14. A WIDE SCALAR NEUTRINO RESONANCE AND $b\bar{b}$ PRODUCTION AT LEP, J. Erler, J. L. Feng and N. Polonsky, Phys. Rev. Lett. **78**, 3063 (1997), hep-ph/9612397.
13. DETERMINING $\tan\beta$ FROM THE SUSY HIGGS SECTOR AT FUTURE e^+e^- COLLIDERS, J. L. Feng and T. Moroi, Phys. Rev. **D56**, 5962 (1997), hep-ph/9612333.
12. LEPTON FLAVOR VIOLATION AT LEP II AND BEYOND, J. L. Feng, in *Proceedings of The 4th International Conference on Supersymmetry, SUSY '96*, University of Maryland, eds. R. N. Mohapatra and A. Rasin (Elsevier, Amsterdam, 1996), hep-ph/9607453.
11. MEASURING SUSY PARAMETERS AT LEP II USING CHARGINO PRODUCTION AND DECAY, J. L. Feng and M. J. Strassler, Phys. Rev. **D55**, 1326 (1997), hep-ph/9606477.
10. PROBING LEPTON FLAVOR VIOLATION AT FUTURE COLLIDERS, N. Arkani-Hamed, H.-C. Cheng, J. L. Feng and L. J. Hall, Phys. Rev. Lett. **77**, 1937 (1996), hep-ph/9603431.

9. EXTRACTING R_b AND R_c WITHOUT FLAVOR TAGGING, J. L. Feng, H. Murayama and J. Wells, Phys. Rev. Lett. **76**, 3259 (1996), hep-ph/9601295.
8. THE LIGHT HIGGSINO-GAUGINO WINDOW, J. L. Feng, N. Polonsky and S. Thomas, Phys. Lett. **B370**, 95 (1996), hep-ph/9511324.
7. PRECISION MEASUREMENTS IN SUPERSYMMETRY, J. L. Feng, Ph.D. Thesis, SLAC-R-95-466.
6. SUPERSYMMETRY TESTS AT FUTURE LINEAR COLLIDERS, J. L. Feng, in *Proceedings of the 4th International Conference on Physics Beyond the Standard Model*, Lake Tahoe, California, eds. J. F. Gunion, T. Han and J. Ohnemus (World Scientific, Singapore, 1995), pp. 384–386.
5. TESTING SUPERSYMMETRY AT THE NEXT LINEAR COLLIDER, J. L. Feng, H. Murayama, M. E. Peskin and X. Tata, Phys. Rev. **D52**, 1418 (1995), hep-ph/9502260.
4. WHEN IS A PARTICLE A SPARTICLE? TESTING SUPERSYMMETRY AT THE NEXT LINEAR COLLIDER, J. L. Feng, in *Proceedings of the 8th Meeting of the Division of Particles and Fields*, Albuquerque, New Mexico, ed. S. Seidel (World Scientific, Singapore, 1995), Vol. 2, pp. 1068–1071, hep-ph/9409264.
3. DETERMINATION OF FUNDAMENTAL SUPERSYMMETRY PARAMETERS FROM CHARGINO PRODUCTION AT LEP II, J. L. Feng and M. J. Strassler, Phys. Rev. **D51**, 4661 (1995), hep-ph/9408359.
2. SQUARK MASS DETERMINATION AT A FUTURE LINEAR COLLIDER, J. L. Feng and D. Finnell, in *Proceedings of the Workshop on Physics and Experiments with Linear e^+e^- Colliders*, Waikoloa, Hawaii, eds. F. A. Harris, S. L. Olsen, S. Pakvasa and X. Tata (World Scientific, Singapore, 1993), Vol. 2, pp. 844–849.
1. SQUARK MASS DETERMINATION AT THE NEXT GENERATION OF LINEAR e^+e^- COLLIDERS, J. L. Feng and D. E. Finnell, Phys. Rev. **D49**, 2369 (1994), hep-ph/9310211.

Reports, Reviews, Edited Publications

22. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, C. Amsler *et al.*, including J. L. Feng, Phys. Lett. **B667**, 1 (2008).
21. ILC REFERENCE DESIGN REPORT: VOLUME 4 — DETECTORS, International Linear Collider Collaboration, T. Behnke *et al.*, including J. L. Feng, 2007, arXiv:0712.2356 [physics.ins-det].
20. ILC REFERENCE DESIGN REPORT: ILC GLOBAL DESIGN EFFORT AND WORLD WIDE STUDY, International Linear Collider Collaboration, J. Brau *et al.*, including J. L. Feng, 2007, arXiv:0712.1950 [physics.acc-ph].
19. REPORT ON THE DIRECT DETECTION AND STUDY OF DARK MATTER, Dark Matter Scientific Assessment Group (DMSAG), joint DOE/NSF subpanel of the Astronomy and Astrophysics Advisory Committee (AAAC) and High Energy Physics Advisory Panel (HEPAP), H. Sobel *et al.*, including J. L. Feng, 2007, http://www.science.doe.gov/hep/hepap_reports.shtml.
18. PROCEEDINGS OF SUSY06: THE 14TH INTERNATIONAL CONFERENCE ON SUPER-SYMMETRY AND THE UNIFICATION OF FUNDAMENTAL INTERACTIONS, Irvine, California, June 2006, ed. J. L. Feng (American Institute of Physics, New York, 2007), <http://scitation.aip.org/journals/doc/APCPCS-home/confproceed/903.jsp>.
17. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, W. Yao *et al.*, including J. L. Feng, J. Phys. G **33**, 1 (2006).
16. DISCOVERING THE QUANTUM UNIVERSE: THE ROLE OF PARTICLE COLLIDERS, LHC/ILC Subpanel, DOE/NSF High Energy Physics Advisory Panel (HEPAP), J. Lykken, J. Siegrist *et al.*, including J. L. Feng, 2006, <http://interactions.org/quantumuniverse/qu2006>.
15. DISCOVERING THE QUANTUM UNIVERSE: REPORT FOR THE NATIONAL ACADEMY OF SCIENCES COMMITTEE ON ELEMENTARY PARTICLE PHYSICS IN THE 21ST CENTURY (EPP 2010), LHC/ILC Subpanel, DOE/NSF High Energy Physics Advisory Panel (HEPAP), J. Lykken, J. Siegrist *et al.*, including J. L. Feng, 2005.
14. APS NEUTRINO STUDY: REPORT OF THE NEUTRINO ASTROPHYSICS AND COSMOLOGY WORKING GROUP, Neutrino Astrophysics and Cosmology Working Group, S. Barwick *et al.*, including J. L. Feng, astro-ph/0412544.
13. PHYSICS INTERPLAY OF THE LHC AND THE ILC, LHC/LC Study Group, G. Weiglein *et al.*, including J. L. Feng, Phys. Rep. **426**, 47 (2006), hep-ph/0410364.
12. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, S. Eidelman *et al.*, including J. L. Feng, Phys. Lett. **B592**, 1 (2004).

11. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, K. Hagiwara *et al.*, including J. L. Feng, Phys. Rev. **D66**, 010001 (2002).
10. LINEAR COLLIDER PHYSICS RESOURCE BOOK FOR SNOWMASS 2001, American Linear Collider Working Group Collaboration, T. Abe *et al.*, including J. L. Feng, hep-ex/0106055–058.
9. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, D. E. Groom *et al.*, including J. L. Feng, Eur. Phys. J. **C15**, 1 (2000).
8. REPORT OF THE SUPERGRAVITY WORKING GROUP FOR RUN II OF THE TEVATRON, S. Abel *et al.*, including J. L. Feng, in *Supersymmetry and Higgs Physics at Run II of the Tevatron*, hep-ph/0003154.
7. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, C. Caso *et al.*, including J. L. Feng, Eur. Phys. J. **C3**, 1 (1998).
6. PARTICLE PHYSICS SUMMARY, Particle Data Group Collaboration, R. M. Barnett *et al.*, including J. L. Feng, Rev. Mod. Phys. **68**, 611 (1996).
5. REVIEW OF PARTICLE PHYSICS, Particle Data Group Collaboration, R. M. Barnett *et al.*, including J. L. Feng, Phys. Rev. **D54**, 1 (1996).
4. SUMMARY OF THE SUPERSYMMETRY WORKING GROUP, J. Bagger *et al.*, including J. L. Feng, in *Proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics (Snowmass 96)*, pp. 642–654, hep-ph/9612359.
3. SUPERSYMMETRY AT THE NLC, The NLC SUSY Subgroup, M. N. Danielson *et al.*, including J. L. Feng, in *Proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics (Snowmass 96)*, pp. 720–734.
2. PHYSICS AND TECHNOLOGY OF THE NEXT LINEAR COLLIDER, NLC Physics Working Group, S. Kuhlman *et al.*, including J. L. Feng, a report for the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics (Snowmass 96), June 25 – July 12, 1996, hep-ex/9605011.
1. LOW-ENERGY SUPERSYMMETRY PHENOMENOLOGY, Supersymmetry Working Group, H. Baer *et al.*, including J. L. Feng, in *Electroweak Symmetry Breaking and New Physics at the TeV Scale*, DPF Long Range Study, eds. T. Barklow, S. Dawson, H. Haber and J. Siegrist (World Scientific, Singapore, 1995), hep-ph/9503479.