

Curriculum Vitae

Michael E. Peskin

Date of Birth: October 27, 1951
Place of Birth: Philadelphia, Pa.
Citizenship: USA

Professor, Particle Physics and Astrophysics
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Education: Undergraduate: Harvard University, 1969–73
A. B. in Chemistry and Physics, *summa cum laude*, 1973
Graduate: Cornell University, 1973–77
Ph. D. in Physics, 1978

Academic Positions:

1977–80 Junior Fellow, Society of Fellows, Harvard University
1979–80 Visiting Scientist, DPhT, Centre d'Études Nucléaires,
Saclay, France
1980–82 Visiting Assistant Professor of Physics, Cornell
University
1982–86 Associate Professor, SLAC, Stanford University
1986– Professor, SLAC, Stanford University

Professional Societies:

Fellow of the American Physical Society
Fellow of the American Association for the Advancement of Science
Fellow of the American Academy of Arts and Sciences

Yossef Dothan Memorial Lecturer, Tel-Aviv University, 1991
APS Centennial Speaker, 1999
Leigh Page Prize Lecturer, Yale University, 2006
Princeton Center for Theoretical Science Annual Lecturer, Princeton University, 2014
Yossef Dothan Memorial Lecturer, Tel-Aviv University, 2016

Scientific Community Service:

Member, SLAC Experimental Program Advisory Committee, 1984–87
Member, Theoretical Advanced Study Institute
Scientific Advisory Board (TASI–SAB), 1987–98
Chairman, 1992–98
Chairman, Physics 1 Grant Review Panel,
International Science Foundation, 1993–94
Member, Advisory Board, Institute for Theoretical Physics, UCSB,
1999–2002, Chair, 2000–2001
Member, Physics Advisory Committee,
Fermi National Accelerator Laboratory, 1999–2003
Member, Program Committee (Physics), Sloan Research Fellowships,
Alfred P. Sloan Foundation, 2002–2008
Member, Departmental Review Committee, Theoretical Physics,
Tata Institute for Fundamental Research, Mumbai, 2006
Member, Scientific Advisory Committee, Perimeter Institute for
Theoretical Physics, 2008–2011, Chair, 2010–2011
Convener, Physics Panel, International Linear Collider Physics and
Experiment Board, 2008–2013
Chair, Advisory Board, INSPIRE, 2012–
Member, Scientific Advisory Board, PIER, DESY and University of
Hamburg, 2012–
Co-convener, Physics Working Group, Linear Collider Collaboration
Detector and Experiment Board, 2014–
Member, Visiting Committee, Brown University Physics Department,
2017

American Physical Society:

Divisional Associate Editor,
Physical Review Letters, 1990–93
Member, Editorial Board, *Physical Review D*, 1999–2000
Member, APS Task Force on Electronic Information Systems, 2000–02
Member, Publication Oversight Committee, American Physical Society,
2005–2008, Chair, 2007
Member, APS Task Force on Journal Pricing, 2008–09
Recognition as an APS Outstanding Referee, 2009

Co-convener for Energy Frontier, APS DPF Community Summer Study
(Snowmass 2013), 2012-2013
Proceedings Editor, APS DPF Community Summer Study
(Snowmass 2013), 2012-2013
Member, Selection Committee, H. Primakoff Prize for
Early-Career Particle Physics, APS DPF, 2015-2016,
Chair, 2016

Annual Reviews, Inc.:

Member, Board of Directors, 1997–
Member, Editorial Committee for Nuclear and Particle Science, 2016–

Academic Service at SLAC/Stanford:

Head, SLAC HEP Theory Group, 2001– 2010
Member, Stanford University Faculty Senate, 2002–06
Member, Stanford University Committee on Libraries, 2003–06
Member, SLAC Public Lecture Committee, 2008– , Chair, 2009–
Member, SLAC PPA Departmental Appointments and Promotions
Committee, 2010–

List of Publications

Michael E. Peskin

BOOKS

1. *An Introduction to Quantum Field Theory*. (with D. V. Schroeder) (Addison-Welsey, 1995).
2. *Proceedings of the XIX International Symposium on Lepton and Photon Interactions at High Energies*. (editor, with J. Jaros). eConf 990908. (World Scientific, 2000).
3. *International Linear Collider Technical Design Report*. (editor, with T. Behke, *et al.*; principal editor for Vol. 2) <http://www.linearcollider.org/ILC/Publications/Technical-Design-Report> (2013). Also available as: arXiv:1306:6327, arXiv:1306:6328, arXiv:1306:6329, arXiv:1306.6352, arXiv:1306:6353.
4. *Planning the Future of U.S. Particle Physics: The Snowmass 2013 Proceedings*. (editor, with N. Graf and J. L. Rosner). eConf 1307292, <http://www.slac.stanford.edu/econf/C1307292/>, FERMILAB-CONF-13-648, SLAC-PUB-15960 (2014).

RECORDED PUBLIC LECTURES

1. Profiling the Invisible: Quantum Mechanics and the Unseen Universe. presented in the SLAC Public Lecture series, February 2005.
<https://www.youtube.com/watch?v=45b7VvBqdKc> .
2. Top Quark: the Elusive Truth. presented in the Perimeter Institute Public Lecture series, December 2009.
<http://www.perimeterinstitute.ca/videos/top-quark-elusive-truth> .
3. Large Hadron Collider. presented at the SETI Institute Colloquium, April 2012.
https://www.youtube.com/watch?v=W2_9UaTjMcA .
4. Higgs Boson: SLAC and the God Particle. presented in the Science of SLAC lecture series, February 2014.
https://www.youtube.com/watch?v=ZDEj0IvQ_AE .
5. Are We Ready for a Final Theory of Physics? presented in the Maggie and Nick DeWolf lecture series of the Aspen Center for Physics, January 2016.
<http://www.grassrootstv.org/view?showID=13793>.
6. Large Hadron Collider, Stage 2. presented at the SETI Institute Colloquium, July 2016.
<https://www.youtube.com/watch?v=zHkSCg-1pds>.

ARTICLES

1. Mandelstam-'t Hooft Duality in Abelian Lattice Models. *Ann. Phys. (N.Y.)* **113**, 122 (1978).
2. Chirality Conservation in the Lattice Gauge Theory. Cornell University Ph. D. Thesis, 1978.
3. Short Distance Analysis for Heavy Quark Systems. 1. Diagrammatics. *Nucl. Phys.* **B156**, 365 (1979).
4. Short Distance Analysis for Heavy Quark Systems. 2. Applications. (with G. Bhanot) *Nucl. Phys.* **B156**, 391 (1979).
5. Anomalous Dimensions of Three-Quark Operators. *Phys. Lett.* **88B**, 128 (1979).
6. Critical Point Behavior of the Wilson Loop. *Phys. Lett.* **94B**, 161 (1980).
7. The Alignment of the Vacuum in Theories of Technicolor. *Nucl. Phys.* **B175**, 197 (1980).
8. An Introduction to Weak Interaction Theories with Dynamical Symmetry Breaking. (with K. D. Lane) in *Electroweak Interactions and Unified Theories*, J. Tran Than Van, ed. (Éditions Frontières, 1980).
9. Roughening of Wilson's Surface. (with C. Itzykson and J.-B. Zuber) *Phys. Lett.* **95B**, 259, (1980).
10. Implications of Chiral Dynamics in Theories of Technicolor. 1. Elementary Couplings. (with S. Chadha) *Nucl. Phys.* **B185**, 61 (1981).
11. Implications of Chiral Dynamics in Theories of Technicolor. 2. The Mass of the P^+ . (with S. Chadha) *Nucl. Phys.* **B187**, 541 (1981).
12. *Proceedings of the Cornell Z^0 Theory Workshop*. (editor, with S.-H. H. Tye) (Cornell University, 1981).
13. Fermion Mass Hierarchies in Theories of Technicolor. in *Proceedings of the 1981 Johns Hopkins Workshop on Current Problems in Particle Theory*, G. Domokos and S. Kövesi-Domokos, eds. (Johns Hopkins University, 1981).
14. Compositeness of Quarks and Leptons. in *Proceedings of the 1981 International Symposium on Lepton and Photon Interactions at High Energy*, W. Pfeil, ed. (Bonn University, 1981).
15. A Constraint from B Decay on Models with no t Quark. (with G. Kane) *Nucl. Phys.* **B195**, 29 (1982).

16. Raising the Axion Mass. (with B. Holdom) *Nucl. Phys.* **B208**, 397 (1982).
17. Corrections to Weak Interaction Parameters in Theories of Technicolor. (with R. Renken) *Nucl. Phys.* **B211**, 93 (1983).
18. General Features of 1-TeV Physics. in *Proceedings of the 1982 DPF Summer Study on Elementary Particle Physics and Future Facilities (Snowmass)*, R. Donaldson, R. Gustafson, and F. Paige, eds. (Fermilab, 1982).
19. Testing the Compositeness of Quarks and Leptons. (with M. A. Abolins, B. Blumenfeld, E. Eichten, H. Kagan, K. Lane, J. Leveille, D. Pellet, and J. Wiss). in *Proceedings of the 1982 DPF Summer Study on Elementary Particle Physics and Future Facilities (Snowmass)*, R. Donaldson, R. Gustafson, and F. Paige, eds. (Fermilab, 1982).
20. New Tests for Quark and Lepton Substructure. (with E. J. Eichten and K. D. Lane) *Phys. Rev. Lett.* **50**, 811 (1983).
21. An Effective Lagrangian for Supersymmetric QCD. in *Problems in Unification and Supergravity*, G. Farrar and F. Henyey, eds. (AIP, 1984).
22. Chiral Symmetry and Chiral Symmetry Breaking. in *Recent Advances in Quantum Field Theory and Statistical Mechanics (Les Houches, 1982)*, J.-B. Zuber and R. Stora, eds. (North Holland, 1984).
23. Difficulties for the Evolution of Pure States into Mixed States. (with T. Banks and L. Susskind) *Nucl. Phys.* **B244**, 125 (1984).
24. Aspects of the Dynamics of Heavy Quark Systems. in *Proceedings of the 11th SLAC Summer Institute*, P. McDonough, ed. (SLAC, 1984).
25. Exotic Processes in High-Energy e - p Collisions. (with J. Bagger) *Phys. Rev.* **D31**, 2211 (1985), E: **32**, 1260 (1985).
26. Bound State Effects in $\Upsilon \rightarrow \gamma +$ Resonance. (with J. Pantaleone and S.-H. H. Tye) *Phys. Lett.* **149B**, 225 (1984).
27. Physics of e^+e^- Colliders: Present, Future, and Far Future. in *The State of High-Energy Physics (BNL/SUNY Summer School, 1983)*, M. Month, P. F. Dahl, and M. Dienes, eds. (AIP, 1985).
28. Systematics of πN Scattering in Chiral Soliton Models. (with M. P. Mattis) *Phys. Rev.* **D32**, 58 (1985).
29. Physics of (Very) High Energy e^+e^- Colliders. in *Proceedings of Physics in Collision 4*, A. Seiden, ed. (Éditions Frontières, 1985).

30. Pion-Skyrmion Scattering: Collective Coordinates at Work. in *Recent Developments in Quantum Field Theory (Niels Bohr Centennial Conference, 1985)*, J. Ambjørn, B. Durhuus, and J. L. Petersen, eds. (North Holland, 1985).
31. Gauge Invariance of String Fields. (with T. Banks) *Nucl. Phys.* **B264**, 513 (1986).
32. Gauge Invariance of String Fields. (with T. Banks) in *Proceedings of the 1985 INS International Symposium on Composite Models of Quarks and Leptons*, H. Terazawa and M. Yasuè, eds. (INS, University of Tokyo, 1985).
33. Radiative Corrections in $SU(2) \times U(1)$: LEP/SLC. (with B. W. Lynn and R. G. Stuart) in *Tests of Electroweak Theories, Polarized Processes, and Other Phenomena*, B. Lynn and C. Verzegnassi, eds. (World Scientific, 1987).
34. Equivalence of the Light Cone Formulation and the Gauge Invariant Formulation of String Dynamics. (with C. B. Thorn) *Nucl. Phys.* **B269**, 509 (1986).
35. An Introduction to the Theory of Strings. in *High Energy Physics 1985 (Proceedings of the Yale Theoretical Advanced Study Institute)*, M. J. Bowick and F. Gürsey, eds. (World Scientific, 1986).
36. All Free String Theories are Theories of Forms. (with T. Banks, D. Friedan, E. Martinec, and C. R. Preitschopf) *Nucl. Phys.* **B274**, 71 (1986).
37. Substructure and Strong Interactions at the TeV Scale. in *Proceedings of the 1985 International Symposium on Lepton and Photon Interactions at High Energy*, M. Konuma and K. Takahashi, eds. (Kyoto University, 1985).
38. Superworlds/Hyperworlds: The Proposition That Space-Time Has More Than Four Dimensions, and What It Means to You. in *Proceedings of the 13th SLAC Summer Institute*, E. Brennan, ed. (SLAC, 1986).
39. Superstring Spectroscopy. in *Proceedings of the 14th SLAC Summer Institute*, E. Brennan, ed. (SLAC, 1987).
40. Introduction to String and Superstring Theory. 2. in *From the Planck Scale to the Weak Scale (Proceedings of the Santa Cruz Theoretical Advanced Study Institute)*, H. E. Haber, ed. (World Scientific, 1987).
41. String Field Theory on the Conformal Plane. 1. Kinematical Principles. (with A. LeClair and C. R. Preitschopf) *Nucl. Phys.* **B317**, 411 (1989).
42. String Field Theory on the Conformal Plane. 2. Generalized Gluing. (with A. LeClair and C. R. Preitschopf) *Nucl. Phys.* **B317**, 464 (1989).
43. Delayed Unitarity Cancellation and Heavy Particle Effects in $e^+e^- \rightarrow W^+W^-$. (with C. Ahn, B. W. Lynn, and S. Selipsky) *Nucl. Phys.* **B309**, 221 (1988).

44. Theory of e^+e^- Collisions at Very High Energy. in *Proceedings of the 15th SLAC Summer Institute*, E. Brennan, ed. (SLAC, 1988).
45. *Opportunities and Requirements for Experimentation at a Very High Energy e^+e^- Collider*. (with C. Ahn, C. Baltay, T. L. Barklow, P. R. Burchat, D. L. Burke, A. R. Cooper, C. Dib, G. J. Feldman, J. F. Gunion, H. E. Haber, T. M. Himel, B. W. Lynn, S. Komamiya, A. Petersen, and R. J. van Kooten) SLAC-Report-329, 1988.
46. Cooper Pair Mass. (with B. Cabrera) *Phys. Rev.* **B39**, 6425 (1989).
47. $N=2$ Superconformal Symmetry and $SO(2, 1)$ Current Algebra. (with L. J. Dixon and J. Lykken) *Nucl. Phys.* **B325**, 329 (1989).
48. Quantum Field Theory. in *Encyclopedia of Physics*, 2nd edition. R. G. Lerner and G. L. Trigg, eds. (VCH Publishers, New York, 1991).
49. Theory of Precision Electroweak Measurements. in *Proceedings of the 17th SLAC Summer Institute*, E. Brennan, ed. (SLAC, 1990).
50. A New Constraint on a Strongly Interacting Higgs Sector. (with T. Takeuchi) *Phys. Rev. Lett.* **64**, 964 (1990).
51. The Heavy Top Quark Threshold: QCD and the Higgs. (with M. Strassler) *Phys. Rev.* **D43**, 1500 (1991).
52. Estimation of Oblique Electroweak Corrections. (with T. Takeuchi) *Phys. Rev.* **D46**, 381 (1992).
53. Physics Issues for the Next Linear Collider. in *Physics and Experiments with Linear Colliders*, R. Orava, P. Eerola, and M. Nordberg, eds. (World Scientific, 1992).
54. A Probe of CP Violation in Top Quark Pair Production at Hadron Supercolliders. (with C. R. Schmidt) *Phys. Rev. Lett.* **69**, 410 (1992).
55. Computation of Mini-Jet Inclusive Cross Sections. (with V. del Duca and W.-K. Tang). hep-ph/93032327, *Phys. Lett.* **B306**, 151 (1993).
56. Hadron Production in $\gamma\gamma$ Collisions as a Background for e^+e^- Linear Colliders. (with P. Chen and T. L. Barklow). hep-ph/9305247, *Phys. Rev.* **D49**, 3209 (1994).
57. Production, Decay, and Polarization of Excited Heavy Hadrons. (with A. F. Falk). hep-ph/9308241, *Phys. Rev.* **D49**, 3320 (1994).
58. Astrophysical Bounds on Milli-Charged Particles in Models with a Paraphoton. (with S. Davidson). hep-ph/9308288, *Phys. Rev.* **D49**, 2114 (1994).
59. Violation of CPT and Quantum Mechanics in the $K^0-\bar{K}^0$ System. (with P. Huet). hep-ph/9403257, *Nucl. Phys.* **B434**, 3 (1995).

60. Spin, Mass, and Symmetry. hep-ph/9405255, in *Proceedings of the 21st SLAC Summer Institute*, L. Vassilian, ed. (SLAC, 1994).
61. Complementarity of e^+e^- and pp Colliders for the Exploration of Electroweak Symmetry Breaking. hep-ph/9408269, in *Physics with High Energy Colliders*, S. Yamada and T. Ishii, eds. (World Scientific, 1995).
62. Testing Supersymmetry at the Next Linear Collider. (with J. L. Feng, H. Murayama, and X. Tata). hep-ph/9502260, *Phys. Rev.* **D52**, 1418 (1995).
63. Exotic Non-Supersymmetric Gauge Dynamics from Supersymmetric QCD. (with O. Aharony, J. Sonnenschein, and S. Yankielowicz). hep-th/9507013, *Phys. Rev.* **D52**, 6157 (1995).
64. Duality and other Exotic Gauge Dynamics in Softly Broken Supersymmetric QCD. (with O. Aharony, J. Sonnenschein, and S. Yankielowicz). hep-th/9509165, in *SUSY 95*, I. Antoniadis and H. Videau, eds. (Éditions Frontières, 1996).
65. Supersymmetry: Theory. in *Physics and Experiments with Linear Colliders*, A. Miyamoto, Y. Fujii, T. Matsui, and S. Iwata, eds. (World Scientific, 1996).
66. The Experimental Investigation of Supersymmetry Breaking. hep-ph/9604339, in *From the Standard Model to Grand Unified Theories*, M. Bando, K. Inoue, and T. Kugo, eds. *Prog. Theor. Phys.*, Suppl. 123, 507 (1996).
67. *Physics and Technology of the Next Linear Collider*. (with S. Kuhlman, *et al.*). hep-ex/9605011, BNL 52-502, FERMILAB-PUB-96/112, LBNL-PUB-5425, SLAC-Report-485, UCRL-ID-124160, UC-414 (1996).
68. Physics Opportunities of e^+e^- Linear Colliders. (with H. Murayama). hep-ex/9606003, *Ann. Rev. Nucl. Part. Sci.* **46**, 533 (1996).
69. Duality in Supersymmetric Yang-Mills Theory. hep-th/9702094, in *Fields, Strings, and Duality (Proceedings of the 1996 Theoretical Advanced Study Institute)*, C. Efthimiou and B. Greene, eds. (World Scientific, 1997).
70. Strong Coupling Electroweak Symmetry Breaking. (with T. L. Barklow, G. Burdman, R. S. Chivukula, B. A. Dobrescu, P. S. Drell, N. Hadley, W. B. Kilgore, J. Terning, and D. R. Wood). hep-ph/9704217, in *New Directions for High-Energy Physics: Proceedings of the 1996 DPF/DPB Summer Study*, D. G. Cassel, L. T. Gennari, and R. H. Siemann, eds. (SLAC, 1997).
71. Top Quark Physics: Future Measurements. (with R. Frey, *et al.*). hep-ph/9704243, in *New Directions for High-Energy Physics: Proceedings of the 1996 DPF/DPB Summer Study*, D. G. Cassel, L. T. Gennari, and R. H. Siemann, eds. (SLAC, 1997).

72. Beyond the Standard Model. hep-ph/9705479, in *1996 European School of High-Energy Physics*, N. Ellis and M. Neubert, eds. (CERN, 1997).
73. Transmission of Supersymmetry Breaking from a Four-Dimensional Boundary. (with E. A. Mirabelli). hep-th/9712214, *Phys. Rev.* **D58**, 065002 (1998).
74. Systematics of Slepton Production in e^+e^- and e^-e^- Collisions. hep-ph/9803279, *Int. J. Mod. Phys.* **A13**, 2299 (1998).
75. Electroweak Reconciliation. *Science* **281**, 1153 (1998).
76. Consistent Yokoya-Chen Approximation to Beamstrahlung, SLAC Technical Note SLAC-TN-04-032 (1999).
77. Collider Signatures of New Large Space Dimensions. (with E. A. Mirabelli and M. Perelstein). hep-ph/9811337, *Phys. Rev. Lett.* **82**, 2236 (1999).
78. Probing Strong Electroweak Symmetry Breaking in $W^+W^- \rightarrow t\bar{t}$. (with E. Ruiz Morales). hep-ph/9909383, in *Physics and Experiments with Future Linear e^+e^- Colliders*, E. Fernandez and A. Pacheco, eds. (Univ. Auton. de Barcelona, Bellaterra, 2000).
79. Scalar Top Quark as the Next-to-Lightest Supersymmetric Particle. (with C.-L. Chou). hep-ph/9909536, *Phys. Rev.* **D61**, 055004 (2000).
80. Pandora: An Object Oriented Event Generator for Linear Collider Physics. hep-ph/9910519, in *Physics and Experiments with Future Linear e^+e^- Colliders*, E. Fernandez and A. Pacheco, eds. (Univ. Auton. de Barcelona, Bellaterra, 2000).
81. Event Generators for Linear Collider Physics. hep-ph/9910520, in *Physics and Experiments with Future Linear e^+e^- Colliders*, E. Fernandez and A. Pacheco, eds. (Univ. Auton. de Barcelona, Bellaterra, 2000).
82. Physics Goals of the Linear Collider. hep-ph/9910521, in *Physics and Experiments with Future Linear e^+e^- Colliders*, E. Fernandez and A. Pacheco, eds. (Univ. Auton. de Barcelona, Bellaterra, 2000).
83. TeV Strings and Collider Probes of Large Extra Dimensions. (with S. Cullen and M. Perelstein). hep-ph/0001166, *Phys. Rev.* **D62**, 055012 (2000).
84. Theoretical Summary Lecture for EPS HEP99. hep-ph/0002041, in *Proceedings of the International Europhysics Conference on High Energy Physics (EPS-HEP99)*, K. Huitu, H. Kurki-Suonio, and J. Maalampi, eds. (IOP Publishing, 2000).
85. The Case for a 500 GeV e^+e^- Linear Collider. (with J. Bagger, *et al.*). hep-ex/0007022. BNL-67545, FERMILAB-PUB-00-152, LBNL-46299, UCRL-ID-139524, LBL-46299, SLAC-PUB-8495 (2000).

86. Can a Heavy Higgs Boson be Consistent with the Precision Electroweak Constraints? (with J. D. Wells). hep-ph/0101342, *Phys. Rev.* **D64**, 093003 (2001).
87. Selectron Studies at e^-e^- and e^+e^- Colliders. (with J. L. Feng). hep-ph/0105100, *Phys. Rev.* **D64**, 115002 (2001).
88. Linear Collider Physics Resource Book for Snowmass 2001. (with T. Abe, *et al.*). hep-ex/0106055, 0106056, 0106057, 0106058, BNL-52627, CLNS-01-1729, FERMILAB-PUB-01-058-E, LBNL-47813, UCRL-ID-143810-DR, SLAC-0570, LC-REV-2001-074-US (2001).
89. The Matter with Antimatter. *Nature* **419**, 24 (2002).
90. Supersymmetry: the Next Spectroscopy. hep-ph/0212204. in *Fundamental Physics – Heisenberg and Beyond : Werner Heisenberg Centennial Symposium*, G. W. Buschhorn and J. Wess, eds. (Springer-Verlag, 2004).
91. Abstract Applets: a Method for Integrating Numerical Problem-Solving into the Undergraduate Physics Curriculum. physics/0302044, *Computing in Science and Engineering*, **5**, 92 (2003).
92. Top Quarks and Electroweak Symmetry Breaking in Little Higgs Models. (with M. Perelstein and A. Pierce), hep-ph/0310039, *Phys. Rev.* **D69**, 075002 (2004).
93. Leptogenesis from Gravity Waves in Models of Inflation. (with S. H. S. Alexander and M. M. Sheik-Jabbari), hep-th/0403069, *Phys. Rev. Lett.* **D96**, 081301 (2006).
94. The Contribution from Neutrino Yukawa Couplings to Lepton Electric Dipole Moments. (with Y. Farzan), hep-ph/0405214, *Phys. Rev.* **D70**, 095001 (2004).
95. Overall Perspective. (with K. Fujii). in *Linear Collider Physics in the New Millennium*, K. Fujii, D. J. Miller, and A. Soni, eds. (World Scientific, 2005).
96. Publication and the Internet: Where Next? *American Physical Society News*, April 2005.
97. The Role of the ILC in the Study of Cosmic Dark Matter. (with M. Battaglia), hep-ph/0509135, in *Proceedings of the 2005 International Linear Collider Workshop*, J. Hewett, ed. (Stanford Linear Accelerator Center, 2006).
98. Determination of Dark Matter Properties at Colliders. (with M. Battaglia, E. A. Baltz, and T. Wizansky), hep-ph/0602187, *Phys. Rev.* **D74**, 103521 (2006).
99. Physics Benchmarks for the ILC Detectors. (with M. Battaglia, T. Barklow, Y. Okada, S. Yamashita, and P. Zerwas), hep-ex/0603010, in *Proceedings of the 2005 International Linear Collider Workshop*, J. Hewett, ed. (Stanford Linear Accelerator Center, 2006).

100. Two-Photon Exchange Model for Production of Neutral Meson Pairs in e^+e^- Annihilation. (with M. Davier and A. Snyder), hep-ph/0606155.
101. Dark Matter and Particle Physics, arXiv:0707.1536 [hep-ph], *J. Phys. Soc. Japan* **76**, 111017 (2007).
102. Supersymmetry in Elementary Particle Physics. arXiv:0801.1928 [hep-ph], in *Colliders and Neutrinos (Proceedings of the 2006 Theoretical Advanced Study Institute)*, S. Dawson and R. Mohapatra, eds. (World Scientific Press, 2008).
103. Song of the Electroweak Penguin. *Nature* **452**, 293 (2008).
104. The End of the World at the Large Hadron Collider? *Physics* **1**, 14 (2008).
105. SUSY Dark Matter at Colliders. (with M. Battaglia), in *Particle Dark Matter*, G. Bertone, ed. (Cambridge Univ. Press, 2010).
106. Spin-Dependent Antenna Splitting Functions. (with A. J. Larkoski), arXiv:0908.2450 [hep-ph], *Phys. Rev.* **D81**, 054010 (2010).
107. Top Quark Amplitudes with an Anomalous Magnetic Moment. (with A. J. Larkoski), arXiv:1012.0552 [hep-ph], *Phys. Rev.* **D83**, 034012 (2011).
108. Simplifying Multi-Jet QCD Computation. arXiv:1101.2414 [hep-ph].
109. Top Quark Anomalous Couplings at the International Linear Collider. (with E. Devetak and A. Nomerotski) arXiv:1005.1756 [hep-ex], *Phys. Rev.* **D84**, 034029 (2011).
110. Quantum Field Theory in a Nutshell, 2nd ed. *Classical and Quantum Gravity* **28**, 089003 (2011). Book review reprinted in: J. M. Swales and C. B. Feak, *Academic Writing for Graduate Students, 3rd ed.* (Univ. of Michigan Press, 2012).
111. Simplified Models for LHC New Physics Searches. (with D. Alves, *et al.*) arXiv:1105.2838 [hep-ph].
112. Antenna Splitting Functions for Massive Particles. (with A. J. Larkoski), arXiv:1106.2182 [hep-ph], *Phys. Rev.* **D84**, 034034 (2011).
113. Summary of Lepton Photon 2011, in *Proceedings of the 25th International Symposium on Lepton and Photon Interactions at High Energies*, R. M. Godbole and N. K. Mondal, eds. arXiv:1110.3805 [hep-ph], *Pramana* **79**, 1169 (2012).
114. Comparison of LHC and ILC Capabilities for Higgs Boson Coupling Measurements. arXiv:1207.2516 (2012).
115. Theoretical Summary Lecture for Higgs Hunting 2012. arXiv:1208.5152 (2012).

116. The International Linear Collider (with J. Brau, P. Grannis, M. Harrison, M. Ross, and H. Weerts) arXiv:1304.2586 (2013), in *Proceedings of the Snowmass 2013 Community Summer Study*, <http://www.slac.stanford.edu/econf/C1307292/>.
117. pMSSM Benchmark Models for Snowmass 2013 (with M. W. Cahill-Rowley, J. L. Hewett, A. Ismail, T. G. Rizzo). arXiv:1305.2419, in *Proceedings of the Snowmass 2013 Community Summer Study*, <http://www.slac.stanford.edu/econf/C1307292/>.
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