

Kenneth D. Lane — Biographical Sketch

Education and Training:

Kenneth Lane received his undergraduate (B.S.) and Master's degree (M.S.) from the Georgia Institute of Technology in 1964 and 1965, respectively. He received his doctorate in physics from Johns Hopkins University in 1970. Lane has held the following postdoctoral and faculty positions:

Research and Professional Experience:

- 1988– Professor, Boston University, Boston, MA
- 1982–87 Professor, The Ohio State University, Columbus, OH
- 1980–82 Associate Professor, The Ohio State University, Columbus, OH
- 1977–79 Assistant Professor, The Physics Laboratories, Harvard University, Cambridge, Massachusetts
- 1976–77 Visiting Scientist, Stanford Linear Accelerator Center
(on leave from Cornell University)
- 1974–76 Research Associate, Laboratory of Nuclear Studies, Cornell University, Ithaca, NY
- 1972–74 Postgraduate Research Physicist, Department of Physics, University of California, Berkeley, CA
- 1970–72 Research Associate, Department of Physics, University of Pennsylvania, Philadelphia, PA

Kenneth Lane is a Fellow of the American Physical Society (citation: *For original contributions to the theory of electroweak symmetry breaking and supercollider physics*). He is the co-recipient, with Estia Eichten, Ian Hinchliffe and Chris Quigg, of the American Physics Society 2011 J. J. Sakurai Prize for Theoretical Particle Physics (citation: *For their work, separately and collectively, to chart a course for the exploration of TeV scale physics using multi-TeV hadron colliders*).

Lane spent a sabbatical leave from Boston University in 1992-93 at the Superconducting Supercollider Laboratory in Dallas, Texas. There he was a member of the GEM Detector Collaboratiuon. Lane was a Frontier Fellow at Fermi National Accelerator Laboratory in 2001-02 (sabbatical leave). He was a Short Term Associate of the ATLAS Collaboration in 2012-14. He has held numerous visiting scientist positions at Laboratoire d'Annecy-le-Vieux de Physique Theorique (LAPTh), Annecy-le-Vieux, France and at CERN. He spent a sabbatical year at LAPTh in 2007-08 and another at CERN and LAPTh in 2014-15. Lane held a Scientific Associateship at CERN in Spring 2015.

Kenneth D. Lane — Publications

1. *Chiral Symmetry Breaking and the $K_{\ell 3}$ and $K_{\ell 4}$ Form Factors* (Dissertation, Johns Hopkins University, 1970).
2. *Chiral Symmetry Breaking and the $K_{\ell 4}$ Axial-Vector Form Factors*, Phys. Rev. **D2**, 2703 (1970).
3. *Approximate Chiral Symmetry and the Leakage Contributions to the Fubini-Furlan $K_{\ell 3}$ Sum Rule*, Phys. Rev. **D3**, 968 (1971).
4. *Nonpolynomial Lagrangian Field Theory without Asymptotic Expansions* (with A. Chodos), Phys. Rev. **D4**, 1667 (1971).
5. *CP-Invariance Violation as a Second-Order Weak Effect* (with A. Chodos), Phys. Rev. Lett. **27**, 966 (1971).
6. *A Theory of Higher-Order Weak Interactions and CP-Invariance Violation I. Leptonic Processes* (with A. Chodos), Phys. Rev. **D6**, 581 (1972).
7. *A Theory of Higher-Order Weak Interactions and CP-Invariance Violation II. The Neutral-K System* (with A. Chodos), Phys. Rev. **D6**, 596 (1972).
8. *Divergence Cancellations in Spontaneously Broken Gauge Theories* (with W. Kummer), Phys. Rev. **D7**, 1910 (1973).
9. *Spin-Dependent Sum Rule for High Energy Neutrino Reactions* (with M. Suzuki), Phys. Lett. **43B**, 204 (1973).
10. *Gauge Model for the Pion Mass and the ρ' Vector Boson* (with I. Bars), Phys. Rev. **D8**, 1169 (1973).
11. *Current Algebra and the Pion Mass* (with I. Bars), Phys. Rev. **D8**, 1252 (1973).
12. *Hadronic Origin of the Pion Mass* (with I. Bars and M. B. Halpern), Nucl. Phys. **B65**, 518 (1973).
13. *Attempts to Calculate the Pion Mass*, talk delivered at the Meeting of the Division of Particles and Fields, Berkeley, California; August 13–17, 1973 (unpublished).

14. *Comment on the Analogy Between Chiral Symmetry Breakdown and Superconductivity*, Phys. Rev. **D10**, 1353 (1974).
15. *Asymptotic Freedom and Goldstone Realization of Chiral Symmetry*, Phys. Rev. **D10**, 2605 (1974).
16. *Spectrum of Charmed Quark–Antiquark Bound States* (with E. Eichten, et al.), Phys. Rev. Lett. **34**, 369 (1975).
17. *Effects of Coupling to Decay Channels in the Spectroscopy of the New Resonances* (with E. Eichten, et al.), in the proceedings of the International Symposium on Lepton and Photon Interactions at High Energy, Stanford University, August 21–27, 1975.
18. *The Interplay of Confinement and Decay in the Spectrum of Charmonium* (with E. Eichten, et al.), Phys. Rev. Lett. **36**, 500 (1976).
19. *Charm Threshold in Electron–Positron Annihilation* (with E. Eichten), Phys. Rev. Lett. **37**, 477 (1976).
20. *Mass Differences of Charmed Hadrons* (with S. Weinberg), Phys. Rev. Lett. **37**, 717 (1976).
21. *Meson Spectroscopy with the Suppressed Hadronic Decays of the ψ -Particles* (with S. Rudaz), Phys. Lett. **B66**, 139 (1977).
22. *The Decay $\mu \rightarrow e\gamma$ in Models with Neutral Heavy Leptons* (with J. D. Bjorken and S. Weinberg), Phys. Rev. **D16**, 1474 (1977).
23. *Charmonium: The Model* (with E. Eichten, et al.), Phys. Rev. **D17**, 3090 (1978).
24. *Charm and Beyond* (with T. Appelquist and R. M. Barnett), Ann. Rev. Nucl. Part. Sci. **28**, 387 (1978).
25. *Charmonium: Comparison with Experiment* (with E. Eichten, et al.), Phys. Rev. **D21**, 203 (1980).
26. *Dynamical Breaking of Weak Interaction Symmetries* (with E. Eichten), Phys. Lett. **B90**, 125 (1980).
27. *CP Nonconservation without Elementary Scalar Fields* (with E. Eichten and J. Preskill), Phys. Rev. Lett. **45**, 225 (1980).

28. *An Introduction to Weak Interaction Theories with Dynamical Symmetry Breaking* (with M. Peskin), in Proceedings of the 15th Rencontre de Moriond; J. Tran Thanh Van, Editor (March 9–21, 1980).
29. *CP Nonconservation in Dynamically Broken Gauge Theories*, Physica Scripta **23**, 1005 (1981); Proceedings of Conference on Topical Questions in QCD, Copenhagen, June 9–13, 1980, edited by K. Hansan, et al.
30. *Hyperpions at the Z^0* , Proceedings of the Cornell Z^0 -Theory Workshop, Feb. 6–8, 1981, edited by M. E. Peskin and S.-H. Tye.
31. *The Fate of θ* , Proceedings of the Johns Hopkins Workshop on Current Problems in Particle Theory, May 25–27, 1981, edited by G. Domokos and S. Kovesi-Domokos.
32. *Physics with Linear Colliders in the TeV cm Energy Region* (with F. Bulos, et al.), Proceedings of the 1982 DPF Summer Study on Elementary Particle Physics and Future Facilities, edited by R. Donaldson, R. Gustafson and F. Paige (Fermilab 1983), p. 71.
33. *The Scalar Sector of the Electroweak Interactions*, Proceedings of the 1982 DPF Summer Study on Elementary Particle Physics and Future Facilities, edited by R. Donaldson, R. Gustafson and F. Paige (Fermilab 1983), p. 222.
34. *Testing the Compositeness of Quarks and Leptons* (with M. Abolins, et al.) Proceedings of the 1982 DPF Summer Study on Elementary Particle Physics and Future Facilities, edited by R. Donaldson, R. Gustafson and F. Paige (Fermilab 1983), p. 274.
35. *New Tests of Quark and Lepton Substructure* (with E. J. Eichten and M. E. Peskin), Phys. Rev. Lett. **50**, 811 (1983).
36. *New Tests of Quark and Lepton Substructure*, Proceedings of the 18th Rencontre de Moriond–Leptonic Session (La Plagne, France, March 13–19, 1983), edited by J. Tran Thanh Van.
37. *The State of Electroweak Interactions*, Proceedings of the 1983 Meeting of the APS Division of Particles and Fields (Blacksburg, VA, September 15–17, 1983), edited by A. Abashian.
38. *Supercollider Physics* (with E. Eichten, I. Hinchliffe and C. Quigg), Rev. Mod. Phys. **56**, 579 (1984).

39. *Possible Interpretation of a New Resonance at 8.3 GeV* (with S. Meshkov and F. Wilczek), Phys. Rev. Lett. **53**, 1718 (1984).
40. *The Intermediate Mass Higgs*, Report of the Intermediate Mass Higgs Subgroup, in the Proceedings of the PSSC Electroweak Symmetry Breaking Workshop (Berkeley, CA, June 4–22, 1984), a supplement of the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 766.
41. *Top–Quark Identification Through Isolated Energetic Leptons* (with J. Rohlf), in the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 737.
42. *Heavy Flavor Identification*, in the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 729.
43. *Higgs Bosons at the SSC: Supplement to EHLQ* (with E. Eichten, I. Hinchliffe and C. Quigg), in the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 99.
44. *Nonstandard Higgs Bosons* (with P. Langacker, et al.), in the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 771.
45. *Report of the Technicolor Group* (with C. Baltay, et al.), in the Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider, edited by R. Donaldson (Fermilab, 1985), p. 299.
46. *The GIM Mechanism for Technicolor* (with S.-C. Chao), Phys. Lett. **B159**, 135 (1985).
47. *Difficulties for the Particle Interpretation of Positron Anomalies in High-Z Collisions*, Phys. Lett. **B169**, 97 (1986).
48. *Signatures for Technicolor* (with E. Eichten, I. Hinchliffe and C. Quigg), Phys. Rev. **D34**, 1547 (1986).
49. *Ladder Approximation for Spontaneous Chiral Symmetry Breaking* (with T. Appelquist and U. Mahanta), Phys. Rev. Lett. **61**, 1553 (1988).

50. *Walking Technicolor Beyond the Ladder Approximation*, in the Proceedings of the APS Division of Particles and Fields Meeting at Storrs, Connecticut (1988).
51. *Two-Scale Technicolor* (with E. Eichten), Phys. Lett. **B222**, 274 (1989).
52. *Aspects of Dynamical Electroweak Symmetry Breaking* (with R. S. Chivukula and A. G. Cohen), Nucl. Phys. **B343**, 554 (1990).
53. *Walking Technicolor Signatures at Hadron Colliders* (with M V. Ramana), Phys. Rev. **D44**, 2678 (1991).
54. *An Expression of Interest to Construct a Major SSC Detector*, SSC EOI-0020 (July 1, 1991).
55. *GEM Letter of Intent*, The GEM Collaboration, GEM TN-92-49, SSCL-SR-1184 (November 30, 1991).
56. *Walking Technicolor in a Hurry*, invited talk in the Proceedings of the 1991 Joint Lepton-Photon Symposium and European Physical Society Conference, Geneva, Switzerland, edited by S. Hegarty, K. Potter and E. Quercigh, World Scientific, p. 675 (25 July – 2 August 1991).
57. *GEM Responses to the December 1991 PAC Report*, GEM TN-92-131, submitted to the SSC Program Advisory Committee, July 8, 1992.
58. *The Next Collider*, invited talk in the proceedings of the Conference on High Energy Physics with Colliding Beams, Yale University (October 2-3, 1992), *Search for New Phenomena at Colliding-Beam Facilities*, SLAC Report-428.
59. *GEM Technical Design Report* (Lead Author, Physics Chapter); GEM TN-93-262, SSCL-SR-1219; Submitted by the GEM Collaboration to the Superconducting Super Collider Laboratory (April 30, 1993).
60. *Multiscale Technicolor and Top-Quark Production* (with E. Eichten), Phys. Lett. **B327**, 129 (1994), hep-ph/9401236.
61. *An Introduction to Technicolor*, Lectures given June 30–July 2 1993 at the Theoretical Advanced Studies Institute, University of Colorado, Boulder, published in “The Building Blocks of Creation”, edited by S. Raby and T. Walker, p. 381, World Scientific (1994), hep-ph/9401324.

62. *Top-Quark Production and Flavor Physics*, (Contributed paper gls0379 to the 27th International Conference on High Energy Physics, edited by P. J. Bussey and I. G. Knowles, Vol. II, p. 1223, Glasgow, June 20–27, 1994, Glasgow, June 20–27, 1994, hep-ph/9406344.
63. *Technicolor and Precision Tests of the Electroweak Interactions*, Proceedings of the 27th International Conference on High Energy Physics, edited by P. J. Bussey and I. G. Knowles, Vol. II, p. 543, Glasgow, June 20–27, 1994, hep-ph/9409304.
64. *Top-Quark Production and Flavor Physics—The Talk*, Proceedings of the 27th International Conference on High Energy Physics, edited by P. J. Bussey and I. G. Knowles, Vol. II, p. 1223, Glasgow, June 20–27, 1994, hep-ph/9406305.
65. *Technicolor*, Proceedings of the NATO Advanced Research Workshop on the History of Original Ideas and Basic Discoveries in Particle Physics, Erice, Sicily, 29 July–4 August 1994, H. B. Newman and T. Ypsilantis, editors, Plenum Press (New York), 1996, hep-ph/9501249.
66. ATLAS Detector Technical Proposal, December 1994.
67. *Top Quarks and Flavor Physics*, Phys. Rev. **D52**, 1546 (1995), hep-ph/9501260.
68. *Natural Topcolor-Assisted Technicolor*, (with E. Eichten), Phys. Lett. **B352**, 382 (1995), hep-ph/9503433.
69. *Color-Singlet Technipions at the Tevatron*, Phys. Lett. **B357**, 624 (1995), hep-ph/9507289.
70. *Symmetry Breaking and Generational Mixing in Topcolor-Assisted Technicolor*, Phys. Rev. **D54**, 2204 (1996), hep-ph/9602221.
71. *Electroweak and Flavor Dynamics at Hadron Colliders*, hep-ph/9605257.
72. *Low-Scale Technicolor at the Tevatron*, (with E. Eichten), Phys. Lett. **B388**, 803 (1996), hep-ph/9607213.
73. *Electroweak and Flavor Dynamics at Hadron Colliders–I*, (with E. Eichten); in the proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics (Snowmass 96), hep-ph/9609297.

74. *Electroweak and Flavor Dynamics at Hadron Colliders-II*, (with E. Eichten); in the proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics (Snowmass 96), hep-ph/9609298.
75. *Non-Supersymmetric Extensions of the Standard Model*, plenary talk at the 28th International Conference on High Energy Physics, edited by Z. Ajduk and A. K. Wroblewski, Vol. I, p. 367, Warsaw, July 25-31, 1996, hep-ph/9610463.
76. *Simulations of Supercollider Physics*, (with F. E. Paige, T. Skwarnicki and W. J. Womersley), Phys. Rept. **278**, 291 (1997), hep-ph/9412280.
77. *Progress on Symmetry Breaking and Generational Mixing in Topcolor-Assisted Technicolor*; in the Proceedings of the 1996 Workshop on Strongly Coupled Gauge Theories, p72, Nagoya, Japan, (November 1996), hep-ph/9703233.
78. *Finding Low-Scale Technicolor at Hadron Colliders*, (with E. Eichten and J. Womersley), Phys. Lett. **B405**, 305 (1997), hep-ph/9704455.
79. *Tevatron Constraints on Topcolor-Assisted Technicolor*, (with Yumian Su and Gian Franco Bonini), Phys. Rev. Lett. **79**, 4075 (1997), hep-ph/9706267.
80. *Technicolor and the First Muon Collider*, in the proceedings of the Workshop on Physics at the First Muon Collider and at the Front End of a Muon Collider, AIP Conference Proceedings 435, edited by S. H. Geer and R. Raja, p. 711, Fermilab (November 6-9, 1997), hep-ph/9801385.
81. *Narrow Technihadron Production at the First Muon Collider*, with Estia Eichten and John Womersley, Phys. Rev. Lett. **80**, 5489 (1998), hep-ph/9802368.
82. *A New Model of Topcolor-Assisted Technicolor*, Phys. Lett. **B433**, 96 (1998), hep-ph/9805254.
83. *Technicolor Production and Decay in Low Scale Technicolor*, Phys. Rev. **D60**, 075007 (1999), hep-ph/9903369.
84. *Technicolor Production and Decay Rates in the Technicolor Straw Man Model*, hep-ph/9903372.
85. *Technicolor Signatures at the High Energy Muon Collider*, Talk delivered at the workshop “Studies on Colliders and Collider Physics at the Highest Energies: Muon Colliders at 10 TeV to 100 TeV”, Montauk, Long Island, NY, 27 September–1 October 1999, hep-ph/9912526.

86. *Vacuum Alignment in Technicolor Theories: The Technifermion Sector*, with Tonguç Rador and Estia Eichten, Phys. Rev. **D62**, 015005 (2000), hep-ph/0001056.
87. *Technicolor Signatures—Ieri, Oggi e Domani*, Invited talk at “Les Rencontres de Physique de la Vallée d’Aoste”, La Thuile (Italy), 27 February–4 March 2000, hep-ph/0006143.
88. *Technicolor 2000*, Lectures at the LNF Spring School in Nuclear, Subnuclear and Astroparticle Physics, Frascati (Rome), Italy, May 15–20, 2000; hep-ph/0007304.
89. *\bar{B} – B Mixing Constrains Topcolor–Assisted Technicolor*, with Gustavo Burdman and Tonguç Rador, Phys. Lett. **B514**, 41 (2001); hep-ph/0012073.
90. *New Model–Independent Limit on Muon Substructure*, hep-ph/0102131.
91. *K^0 – \bar{K}^0 and B^0 – \bar{B}^0 Constraints on Technicolor*, Invited talk at Les Rencontres de Physique de la Vallée d’Aoste, La Thuile, Italy, March 4–10, 2001; hep-ph/0106279.
92. *Strong and Weak CP Violation in Technicolor*, Invited talk at the Eighth International Symposium on Particles, Strings and Cosmology—PASCOS 2001, University of North Carolina, Chapel Hill, NC, April 10–15, 2001; hep-ph/0106328.
93. *A Case Study in Dimensional Deconstruction*, Phys. Rev. **D65**, 115001 (2002); hep-ph/0202093.
94. *Two Lectures on Technicolor*, Lectures at l’Ecole de GIF, Annecy–le–Vieux, September 10–14, 2001; hep-ph/0202255.
95. *Resonant and Non–Resonant Effects in Photon–Technipion Production at Lepton Colliders*, with Kevin Lynch and Elizabeth Simmons, Phys. Rev. **D66**, 015001 (2002); hep-ph/0203065.
96. *B –Meson Gateways to Missing Charmonium Levels*, with Estia J. Eichten and Chris Quigg, Phys. Rev. Lett. **89**, 162002 (2002); hep-ph/0206018.
97. *Deconstructing Dimensional Deconstruction*, in the Proceedings of The 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, July 24–31, 2002, pp 731–734. hep-ph/0210240.
98. *The Collider Phenomenology of Technihadrons in the Technicolor Straw Man Model*, with Stephen Mrenna, Phys. Rev. **D67** 115011 (2003); hep-ph/0210299.

99. *Charmonium Levels Near Threshold and the Narrow State $X(3872) \rightarrow \pi^+\pi^-J/\psi$* , with Estia J. Eichten and Chris Quigg, Phys. Rev. **D69**, 094109, (2004); hep-ph/0401210.
100. *CP Violation and Flavor Mixing in Technicolor Theories*, with Adam Martin, Phys. Rev. **D71**, 015011 (2005); hep-ph/0404107.
101. *Accidental Goldstone Bosons*, with Adam Martin, Phys. Rev. **D71**, 076007 (2005); hep-ph/0501204.
102. *A New Mechanism for Light Composite Higgs Bosons*, with Adam Martin; Phys. Lett. **B635**, 118 (2006); hep-ph/0511002.
103. *New States Above Charm Threshold*, with Estia Eichten and Chris Quigg; Phys. Rev. **D73**, 014014 (2006); Erratum-ibid. **D73** 079903 (2006); hep-ph/0511179.
104. *Search for Low-Scale Technicolor at the Tevatron*, in the proceedings of the Fermilab TeV4LHC Landscapes Project; BUHEP-06-01, hep-ph/0605119.
105. *Tevatron-for-LHC Report: Preparations for Discoveries*, with V. Buescher, et al., FERMILAB-CONF-06-284-T, hep-ph/0608322.
106. *Low-scale technicolor at the Tevatron and LHC*, with E. Eichten; arXiv:0706.2339 [hep-ph], Phys. Lett. **B669**, 235 (2008).
107. *Search for Low-Scale Technicolor in ATLAS*, with G. Azuelos, J. Ferland and A. Martin, ATLAS Note, ATL-PHYS-CONF-2008-003 (2008).
108. *Low-Scale Technicolor at the LHC*, with G. Azuelos, K. Black, T. Bose, J. Ferland, Y. Gershtein and A. Martin, in *New Physics at the LHC: A Les Houches Report. Physics at TeV Colliders 2007 – New Physics Working Group*, with G. Brooijmans, et al.; arXiv:0802.3715, (2008).
109. *Wolfgang Kummer and the Little Lost Lane Boy*, an invited article in the Memorial Album for Wolfgang Kummer.
110. *Technicolor Physics*, with T. Appelquist and L. C. R. Wijewardhana, an article in Wikipedia.
111. *Effective Lagrangian for Low-Scale Technicolor*, with Adam Martin, Phys. Rev. **D 80**, 115001 (2009); arXiv:0907.3737.

112. *Low-Scale Technicolor at the 10 TeV LHC*, with K. Black, T. Bose, E. Carrera, S. J. Harper, Y. Maravin, A. Martin and B. C. Smith, in *New Physics at the LHC. A Les Houches Report: Physics at TeV Colliders 2009 - New Physics Working Group*, with G. Brooijmans, et al.; arXiv:1005.1229, (2010).
113. *A Light Scalar in Low-Scale Technicolor*, with A. Delgado and A. Martin, Phys. Lett. **B696**, 482 (2011); arXiv:1011.0745.
114. *Technicolor at the Tevatron*, with E. J. Eichten and A. Martin, Phys. Rev. Lett. **106**, 251803 (2011); arXiv:1104.0976v3; title changed in journal to *Technicolor Explanation for the CDF Wjj Excess*.
115. *Testing CDF's Dijet Excess and Technicolor at the LHC*, with E. J. Eichten and A. Martin; arXiv:1107.4075, (2011).
116. *Testing the Technicolor Interpretation of CDF's Dijet Excess at the LHC*, with E. Eichten, A. Martin and E. Pilon; arXiv:1201.4396, (2012).
117. *Testing the Technicolor Interpretation of CDF's Dijet Excess at the 8-TeV LHC*, with E. Eichten, A. Martin and E. Pilon, Phys. Rev. **D86**, 074015 (2012) arXiv:1206.0186.
118. *A Higgs Impostor in Low-Scale Technicolor*, with E. Eichten and A. Martin; arXiv:1210.5462.
119. *Search for a dijet resonance produced in association with a leptonically decaying W or Z boson with the ATLAS detector at $\sqrt{s} = 8$ TeV*, with G. Azuelos, V. Cavaliere, F. Dallah, M. Marsden, L. Marx, S. Meehan, N. Neubauer, A. Oh, M. Oreglia and K. Terashi, ATLAS-CONF-2013-074.
120. *A Composite Higgs Model with Minimal Fine-Tuning I. The Large- N and Weak-technicolor Limit*, Phys. Rev. **D90** (2014) 9, 095025; arXiv:1407.2270.
121. *Lepton Flavor Violation in B Decays?*, with S. L. Glashow and D. Guadagnoli, Phys. Rev. Lett. **114** (2015), 091801; arXiv:1411.0565.
122. *Charged-Lepton Mixing and Lepton Flavor Violation*, with D. Guadagnoli; submitted to Physics Letters B; arXiv:1507.01412.
123. *Heavy Vector Partners of the Light Composite Higgs*, with L. Pritchett; arXiv:1507.07102.

- 124. *Is the Standard Model about to crater?*, CERN Courier, **55N9**, (2015), 21-23.
- 125. *The Diboson Excess: Experimental Situation and Classification of Explanations; A Les Houches Pre-Proceeding*, with J. Brehmer, G. Brooijmans, et al.; arXiv:1512.04357.
- 126. *The Light Composite Higgs Boson in Strong Extended Technicolor*, with L. Pritchett; submitted to JHEP; arXiv:1604.07085.
- 127. *Les Houches 2015: Physics at TeV colliders - new physics working group report*, with G. Brooijmans, et al.; arXiv:1605.02684.
- 128. *The Thirty GeV Dimuon Excess at ALEPH*, with Lukas Pritchett; arXiv:1701.07376.