

PUBLICATIONS · CHRIS QUIGG

318. “Notes on Lepton Gyromagnetic Ratios,” [arXiv:2105.07866], FERMILAB-FN-1129-T.
317. *Alvin Virgil Tollestrup: 1024-2020 | A Life in Science*, edited book (with Mark Palmer, Elliott McCrory, and Vladimir Shiltsev), ISBN 978-1-03-490743-5 (Fermi Research Alliance, 2021).
316. “Exploring Futures for Particle Physics,” *Physics* 13, 156 (2020), FERMILAB-PUB-20/497-T.
315. “How to Snowmass,” August 26, 2020, for the Division of Particles and Fields of the American Physical Society FERMILAB-FN-1111-T.
314. “In memoriam: Al Brenner, Fermilab ‘father of computing’” (with Jeffrey Appel, Joel Butler, Peter Cooper, and Hugh Montgomery) *Fermilab Today*, April 22, 2020.
313. “Alvin Tollestrup” (with Mel Shochet), *Physics Today* 73 (6), 60 (2020).
312. “Beauty at High Precision / Sensitivity,” PoS(Beauty2019)001 [arXiv:2002.08292], FERMILAB-CONF-20/071-T.
311. “In Leon’s company, it seemed that anything might be possible,” [arXiv:2001.01879], FERMILAB-PUB-20/001-T.
310. “Addendum to Mesons with Beauty and Charm: New Horizons in Spectroscopy [*Phys. Rev. D* 99, 054025 (2019)],” with E. J. Eichten, FERMILAB-PUB-19/270-T.
309. “Quarkonium wave functions at the origin: an update,” with E. J. Eichten, [arXiv:1904.11542], FERMILAB-PUB-19/176-T
308. “Mesons with Beauty and Charm: New Horizons in Spectroscopy,” with E. J. Eichten, *Physical Review D* 99, 054025 (2019) [arXiv:1902.09735], FERMILAB-PUB-19/075-T.
307. “Colloquium: A Century of Noether’s Theorem,” [arXiv:1902.01989], FERMILAB-PUB-19/059-T.
306. “Dream Machines,” *Reviews of Accelerator Science and Technology* 10, 3-12 (2018), [arXiv:1808.06036], FERMILAB-PUB-18/305-T.
305. “Stable Tetraquarks,” in *2018 QCD and High Energy Interactions—Proceedings of the 53rd Rencontres de Moriond*, edited by É. Augé, J. Dumarchez, and J. Tran Thanh Van (ARISF, 2018) pp. 127-131; [arXiv:1804.04929], FERMILAB-CONF-18/099-T.
304. “Heavy-quark symmetry implies stable heavy tetraquark mesons $Q_i Q_j \bar{q}_k \bar{q}_l$,” with E. J. Eichten, *Physical Review Letters* 119, 202002 (2017) [arXiv:1707.09575], FERMILAB-PUB-17/289-T.
303. “John David Jackson,” *Physics Today* 69, 68 (October 2016), FERMILAB-PUB-16/774-T. See also the brief notes at *In Memoriam*, AAPT Member and Physics Community Obituaries, May 20, 2016, <http://j.mp/AAPTMem> and “In Memoriam: John David Jackson,” Fermilab News May 26, 2016, <http://j.mp/JDJFNL>.
302. “Future Colliders Symposium in Hong Kong: Scientific Overview,” *Int. J. Mod. Phys. A* 31, 1644001 (2016); also in *The Future of High Energy Physics—Some Aspects*, edited by L. R. Flores Castillo and K. Prokofiev (World Scientific, Singapore, 2017), pp. 3-19 [arXiv:1602.07020], FERMILAB-CONF-16/033-T.
301. “Particle Physics after the Higgs-Boson Discovery: Opportunities for the Large Hadron Collider,” *Contemporary Physics* 57, 177-187 (2016) [arXiv:1507.02977], FERMILAB-PUB-15/290-T.

300. “A Life in the Nanonoworld,” in *Yale ’66 at 50*, Volume I: Our Take on Our Times (Yale University and Yale Class of 1966, New Haven, 2016).
299. “Viewpoint: A More Precise Higgs Boson Mass,” *APS Physics* 8, 45 (2015) FERMILAB-PUB-15/130-T.
298. “Luminosity goals for a 100-TeV pp collider,” with I. Hinchliffe, A. Kotwal, M. L. Mangano, and L. T. Wang, *Int. J. Mod. Phys. A* 30, 1544002 (2015) [arXiv:1504.06108] FERMILAB-CONF-15/125-E-T.
297. “Higgs Boson,” in *AccessScience* (McGraw-Hill Education, 2015).
296. “Electroweak Symmetry Breaking in Historical Perspective,” *Ann. Rev. Nucl. Part. Sci.* 65, 25 (2015) [arXiv:1503.01756], FERMILAB-PUB-15/058-T.
295. “Neutron-Antineutron Oscillations: Theoretical Status and Experimental Prospects,” with D. G. Phillips II *et al.*, *Physics Reports* 612, 1–46 (2016) [arXiv:1410.1100], FERMILAB-PUB-14/263-T.
294. “CERN—Six Decades of Science, Innovation, Cooperation, and Inspiration,” *APS News* 23 (8), 8 (August/September 2014), FERMILAB-FN-0985-T.
293. “Baryon Number Violation: A Snowmass 2013 White Paper,” with K. S. Babu *et al.*, [arXiv:1311.5285], FERMILAB-CONF-14/261-T.
292. “Neutron-Antineutron Oscillations: A Snowmass 2013 White Paper,” with K. S. Babu *et al.*, [arXiv:1310.8593], FERMILAB-CONF-13/649-E-PPD.
291. *Gauge Theories of the Strong, Weak, and Electromagnetic Interactions* (2nd edition), (Princeton University Press, Princeton, 2013).
290. “DIS and Beyond,” closing overview talk at the XXI International Workshop on Deep-Inelastic Scattering and Related Subjects — DIS2013, 22-26 April 2013, Marseille, *POS(DIS2013)034*, [arXiv:1308.6637], FERMILAB-CONF-13/225-T.
289. “Neutron-Antineutron Oscillations with *Project X*,” with Y. Kamyshkov *et al.*, in *Project X: Physics Opportunities*, edited by A. S. Kronfeld and R. S. Tschirhart, Volume 2 of *Project X: Accelerator Reference Design, Physics Opportunities, Broader Impacts*, Project X-doc-1199 (June 2013) / [arXiv:1306.5009] / FERMILAB-TM-2557: Chapter 6, pp. 117-141.
288. “American particle physics at CERN and at home,” *Physics Today Online*, May 31, 2013.
287. “Beyond Confinement,” in *Proceedings of the Xth Quark Confinement and the Hadron Spectrum*, *POS(Confinement X)031* [arXiv:1301.4905], FERMILAB-CONF-13/008-T.
286. “Physics Opportunities with Stage 1 of *Project X*,” with W. Altmannshofer *et al.* (August 2012).
285. “Particle Physics in a Season of Change,” in *Hadron Collider Physics Symposium 2011*, edited by G. Bernardi, S. De Cecco and Y. Enari, *EPJ Web of Conferences* 28, 01001 (2012) [arXiv:1202.4391], FERMILAB-CONF-12/035-T.
284. “Fermilab: A Plan for Discovery,” with C. T. Hill *et al.* (editors) (December 2011).
283. “The Future of Hadrons: The Nexus of Subatomic Physics,” in *Proceedings of the XIV International Conference on Hadron Spectroscopy (hadron2011)*, Munich, edited by B. Grube, S. Paul, and N. Brambilla, eConf C110613 (2011) [arXiv:1109.5814], FERMILAB-CONF-11/492-T.
282. “Long Live the Tevatron,” *CERN Courier* 51 (8) 20–24 (October 2011), FERMILAB-PUB-11/578-T.

281. “LHC Physics Potential *vs.* Energy: Considerations for the 2011 Run,” [arXiv:1101.3201], FERMILAB-FN-0913-T.
280. “Highlights & Perspectives: XXII Rencontres de Blois,” in *Particle Physics and Cosmology: First Results from the LHC*, Proceedings of the 2010 Rencontres de Blois, edited by L. Celnikier, J. Dumarchez, B. Klima, and J. Tran Thanh Van (Thế giới Publishers, Hanoi, 2011), pp. 167–176 [arXiv:1009.3742], FERMILAB-CONF-10/367-T.
279. “Looking into Particle Production at the Large Hadron Collider,” in *Les Rencontres de Physique de la Vallée d’Aoste 2010: Results and Perspectives in Particle Physics*, edited by M. Greco, Frascati Physics Series vol. LII (SIF, Bologna, 2011) / *Nuovo Cimento* 33C, 327-333 (2011) [arXiv:1004.0975], FERMILAB-CONF-10/055-T.
278. “Resource Letter QCD-1: Quantum Chromodynamics” (with Andreas S. Kronfeld), *American Journal of Physics* 78, 1081–1116 (2010) [arXiv:1002.5032], FERMILAB-PUB-10/040-T.
277. “Learning to See at the Large Hadron Collider,” [arXiv:1001.2025], FERMILAB-FN-0849-T.
276. “LHC Physics Potential *vs.* Energy,” [arXiv:0908.3660], FERMILAB-FN-0839-T.
275. “Brief Comments on Higgs-Boson Discovery Potential of Future Tevatron Running” (with Marcela Carena, Estia Eichten, and Christopher T. Hill), FERMILAB-FN-0838-T.
274. “Unanswered Questions in the Electroweak Theory,” *Annual Review of Nuclear and Particle Science* 59, 505–555 (2009), [arXiv:0905.3187], FERMILAB-PUB-09/230-T.
273. “Perspectives on Neutrino Telescopes 2009,” in *Thirteenth International Workshop on Neutrino Telescopes*, edited by M. Baldo-Ceolin (University of Padova, Padova, 2009), pp. 573–579, FERMILAB-CONF-09/085-T.
272. “*Gedanken* Worlds without Higgs Fields: QCD-induced Electroweak Symmetry Breaking” (with Robert Shrock), *Physical Review D* 79, 096002 (2009), [arXiv:0901.3958], FERMILAB-PUB-09/018-T.
271. “Respekt für Symmetrie” (with Bruce D. Winstein), *Physik-Journal* 7 (12), 19–21 (December 2008); English version, “Respect for Symmetry,” FERMILAB-FN-0827-T.
270. “NuFact08—Closing talk,” in *Proceedings of the Tenth International Workshop on Neutrino Factories, Super Beams, and Beta Beams (NuFact08)*, 30 June – 5 July 2008, Valencia, Spain, *PoS(Nufact08)032*, [arXiv:0810.1530].
269. “Theoretical Perspectives: XLIII Rencontres de Moriond—QCD,” *2008 QCD and High Energy Interactions*, ed. E. Augé, B. Klima, B. Pietrzyk, and J. Trần Thanh Vân (Thế giới Publishers, Hanoi, 2008), pp. 397-411 [arXiv:0810.1449], FERMILAB-CONF-08/430-T.
268. “Anticipating the Large Hadron Collider,” in *McGraw-Hill Yearbook of Science & Technology 2009* (McGraw-Hill, New York, 2009), pp. 195–197.
267. *J’ai attendu pendant des décennies ce moment* / “I’ve been waiting for this moment for decades,” *Reflex* (Switzerland) No. 4, 54–55 (avril 2008) / 40-41 (June 2008).
266. “Physics with a high-intensity proton source at Fermilab,” with J. Appel *et al.*, FERMILAB-FN-0904 (February 2008).
265. “*Top-ophilia*,” reminiscence prepared for the *Top Turns Ten* Symposium at Fermilab, October 21, 2005, FERMILAB-FN-0818-T, available at lutece.fnal.gov/Notes/Philia.pdf.

264. “Cosmic Neutrinos,” to appear in the Proceedings of the 2007 SLAC Summer Institute, FERMILAB-CONF-07/417-T [arXiv:0802.0013].
263. “Quick Study: Eyes on the LHC” (with Fabiola Gianotti), *Physics Today* **60**, 90-91 (September 2007); reprinted in *Parity* (Japan) **23** (3), 42-45 (March 2008); supplemental material available at ptonline.aip.org/journals/doc/PHTOAD-ft/vol_60/iss_9/90_1s.shtml.
262. “Maurice René Georges Jacob” (with J. D. Jackson), *Physics Today* **60**, 72-73 (August 2007).
261. “Spontaneous Symmetry Breaking as a Basis of Particle Mass,” *Reports on Progress in Physics* **70**, 1019-1053 (2007), [arXiv:0704.2232], FERMILAB-PUB-07/030-T.
260. “The Coming Revolutions in Particle Physics,” *Scientific American* **298** (2) 46-53 (February, 2008). Included in *The Higgs Boson* (eBook), edited by The Editors of *Scientific American* (Scientific American, New York, 2012) §3.5.
259. “Higgs Bosons, Electroweak Symmetry Breaking, and the Physics of the Large Hadron Collider,” *Contemporary Physics* **48**, 1-11 (2007) [arXiv:0704.2045], FERMILAB-PUB-07/002-T.
258. “Gravitational Lensing of Supernova Neutrinos,” with O. Mena and I. Mocioiu, *Astroparticle Physics* **28**, 348-356 (2007) [arXiv: astro-ph/0610918], FERMILAB-PUB-06/051-T.
257. “Neutrino Coannihilation on Dark-Matter Relics?” with G. Barenboim and O. Mena Requejo, *Physical Review D* **74**, 023006 (2006), [arXiv: astro-ph/0604215], FERMILAB-PUB-06/050-T.
256. “Extremely High Energy Neutrinos and Cosmic Neutrinos,” in *Neutrino Oscillations in Venice: 2006*, edited by Milla Baldo Ceolin (Edizioni Papergraf, Padova, 2006) pp. 309-327, [arXiv: astro-ph/0603372], FERMILAB-CONF-06/029-T.
255. “Comunicare Fisica all’americana,” in *Comunicare Fisica 2005*, ed. Franco L. Fabbri & Piero Pateri; Frascati Physics Series – Italian Collection *Collana: Scienza Aperta Vol. I, Atti 1° Convegno “Comunicare Fisica e altre Scienze,”* (LNF, Frascati, 2006) pp. 245-262 [arXiv: physics/0511254], FERMILAB-CONF-05/490-T.
254. “New states above charm threshold,” with E. J. Eichten and K. Lane, *Physical Review D* **73**, 014014 (2006), [arXiv: hep-ph/0511179], FERMILAB-PUB-05/380-T; erratum: *Physical Review D* **73**, 079903 (2006).
253. “Observational Constraints on Undulant Cosmologies,” with G. Barenboim and O. Mena, *Journal of Cosmology and Astroparticle Physics* **04(2006)008**, [arXiv: astro-ph/0510178], FERMILAB-PUB-05/379-T.
252. “The Double Simplex,” in *CP Violation and the Flavor Puzzle*, Symposium in Honor of Gustavo C. Branco, Lisbon, Portugal, July 2005, edited by D. Emmanuel-Costa *et al.* (Poligrafia Inspektoratu, Krakow, 2006), pp. 193-210; [arXiv: hep-ph/0509037], FERMILAB-CONF-05/371-T.
251. “Hadronic Physics and Exotics,” plenary lecture at the 2005 European Conference on High-Energy Physics, Lisbon, *PoS(HEP2005)400*, [arXiv: hep-ph/0509332], FERMILAB-CONF-05/356-T.
250. “Hadron Collider Physics: Measurement, Search, and Discovery at the High-Energy Frontier,” in *Hadron Collider Physics, Neutrinos, Astroparticle Physics, and Cosmology*, Proceedings of the XXXIII International Meeting on Fundamental Physics, Benasque, Spain, 6-11 March 2005, edited by E. Fernández Sánchez (CIEMAT, Madrid, 2009) [ISBN: 978-84-7834-609-7].
249. “Revolutions and Revelations,” concluding lecture at the Physics at LHC Symposium, Vienna, 13 - 17 July 2004, *Czech. J. Phys.* **55**, B769-785 (2005), [arXiv: hep-ph/0502252], FERMILAB-CONF-05/018-T.

248. “Nature’s Greatest Puzzles,” opening lecture at the XXXII SLAC Summer Institute, *eConf C040802*, L001 (2004), [arXiv: hep-ph/0502070], FERMILAB-CONF-04/163-T.
247. “Diagnostic Potential of Cosmic-Neutrino Absorption Spectroscopy,” with G. Barenboim and O. Mena Requejo, *Physical Review D* **71**, 083002 (2005), [arXiv: hep-ph/0412122], FERMILAB-PUB-04/379-T.
246. “Undulant Universe: Expansion with alternating eras of acceleration and deceleration,” with G. Barenboim and O. Mena Requejo, *Physical Review D* **71**, 063533 (2005), [arXiv: astro-ph/0412010], FERMILAB-PUB-04/368-T.
245. “Theoretical Overview: The New Mesons,” presented at the First Meeting of the APS Topical Group on Hadronic Physics, Fermilab, 24 – 26 October 2004, *Journal of Physics: Conference Series* **9**, 1–10 (2005) [arXiv: hep-ph/0411058], FERMILAB-CONF-04/317-T.
244. “The Lost Tribes of Charmonium,” presented at 6th International Conference on Hyperons, Charm & Beauty Hadrons, Chicago, 28 June – 3 July 2004, *Nucl. Phys. B (Proc. Supp.)* **142**, 87–97 (2005), [arXiv: hep-ph/0407124], FERMILAB-CONF-04/109-T.
243. “Mastering the Art of Show-and-Tell,” Review of *The Craft of Scientific Presentations: Critical Steps to Succeed and Critical Errors to Avoid*, by Michael Alley and *The Chicago Guide to Communicating Science*, by Scott L. Montgomery,
242. “Beyond the Standard Model in Many Directions,” in *San Miguel Regla 2003, High-energy physics*, Proceedings of the CERN–Latin-American School of High-Energy Physics, 1 – 14 June 2003, edited by N. Ellis, CERN Yellow Report 2006–001 pp. 57–118, [arXiv: hep-ph/0404228], FERMILAB-CONF-04/049-T.
241. “Quarkonium: New Developments,” in *Les Rencontres de Physique de la Vallée d’Aoste: Results and Perspectives in Particle Physics*, Frascati Physics Series No. 34, edited by M. Greco (INFN Laboratori Nazionali di Frascati, Frascati, 2004), p. 393–412; [arXiv: hep-ph/0403187], FERMILAB-CONF-04/033-T.
240. “Charmonium levels near threshold and the narrow state $X(3872) \rightarrow \pi^+\pi^-J/\psi$,” with E. J. Eichten and K. Lane, *Physical Review D* **69**, 094019 (2004), [arXiv: hep-ph/0401210], FERMILAB-PUB-04/001-T.
239. “The Great Beyond,” Lecture notes on Physics Beyond the Standard Model for the Latin-American School of High-Energy Physics, San Miguel Hidalgo, Mexico, 1 – 14 June 2003, <http://boudin.fnal.gov/~quigg/CQSanMiguel.tgz>.
238. “Particles and the Standard Model,” chapter in *The New Physics: for the twenty-first century*, edited by Gordon Fraser (Cambridge University Press, Cambridge, 2006) pp. 86–118; paperbound edition (2009).
237. “The Standard Model (Electroweak Theory),” Lecture notes for the European School of High-Energy Physics, Pylos, Greece, 27 August – 7 September 2002, FERMILAB-FN-731 and 158 PDF pages.
236. “Neutrino Observatories Can Characterize Cosmic Sources and Neutrino Properties” (with Gabriela Barenboim), *Physical Review D* **67**, 073024 (2003), FERMILAB-PUB-03/018-T [arXiv: hep-ph/0301220].
235. “The Next Generation of Science Policy-Makers,” *Science* **299**, 511 (2003).
234. “Higgs Boson,” in *2004 McGraw-Hill Yearbook of Science and Technology*, AccessScience @ McGraw-Hill; revised 2006 for inclusion in the *McGraw-Hill Encyclopedia of Science and Technology*.

233. “*B*-Meson Gateways to Missing Charmonium Levels” (with Estia J. Eichten and Kenneth Lane), *Physical Review Letters* **89**, 162002 (2002), FERMILAB-PUB-02/104-T [arXiv: hep-ph/0206018].
232. “Visions: The Coming Revolutions in Particle Physics,” closing talk, in *III International Symposium on LHC Physics and Detectors*, Chia, Sardinia (Italy), October 25-27, 2001, edited by C. Bosio, R. Cashmore, D. Haidt, B. Saitta, J. Schukraft *EPJdirect C*, **4**(S1) (2002) 40; FERMILAB-CONF-02/058-T [arXiv: hep-ph/0204075].
231. “Next Steps,” closing talk, in *Proceedings of Snowmass 2001: A Summer Study on the Future of Particle Physics*, edited by Norman Graf (SLAC, Stanford, CA, 2002) eConf C010630 C001 (2002); FERMILAB-CONF-02/049-T [arXiv: hep-ph/0204084].
230. “Why We Are Here,” opening talk, in *Proceedings of Snowmass 2001: A Summer Study on the Future of Particle Physics*, edited by Norman Graf (SLAC, Stanford, CA, 2002) eConf C010630 I001 (2002); FERMILAB-CONF-02/048-T [arXiv: hep-ph/0204083].
229. “Charges to the Snowmass 2001 Working Groups,” Snowmass 2001 Organizing Committee, in *Proceedings of Snowmass 2001: A Summer Study on the Future of Particle Physics*, edited by Norman Graf (SLAC, Stanford, CA, 2002) eConf C010630 I002 (2002).
228. “Particle Physics—Future Directions,” *PAC2001*, Proceedings of the 2001 Particle Accelerator Conference, edited by P. Lucas and S. Webber (IEEE, Piscataway, NJ, 2001), p. 754; FERMILAB-CONF-01/360-T [arXiv: hep-ph/0111274].
227. “The Beyond the Standard Model working group: Summary Report” (with G. Azuelos *et al.*), for the Workshop *Physics at TeV Colliders*, Les Houches, France, 21 May – 1 June 2001 [arXiv: hep-ph/0204031].
226. “The Electroweak Theory,” in *Flavor Physics for the Millennium: TASI 2000*, edited by Jonathan L. Rosner (World Scientific, Singapore, 2001), pp. 3–67; FERMILAB-CONF-01/001-T [arXiv: hep-ph/0204104].
225. “Physics at a neutrino factory” (with C. Albright *et al.*), FERMILAB-FN-692 (May 2000) [arXiv: hep-ex/0008064] SPIRES.
224. “Study of *R*-parity Violation at a μp Collider,” with M. Carena, D. Choudhury and S. Raychaudhuri, *Physical Review D* **62**, 095010 (2000); FERMILAB-PUB-00/114-T [arXiv: hep-ph/0006144].
223. “Professor Newton’s Principles,” Review of *Thinking about Physics*, by Roger G. Newton, *Science* **288**, 447 (2000).
222. “Perspectives in High-Energy Physics,” Review Lecture at the 1999 ICFA Instrumentation School, Istanbul, June 30, 1999, in *Instrumentation in Elementary Particle Physics*, edited by Sehban Kartal, AIP Conference Proceedings 536 (American Institute of Physics, Melville, NY, 2000), pp. 165–191; FERMILAB-CONF-00/041-T [arXiv: hep-ph/0002080].
221. “The State of the Standard Model,” Opening talk at $\mu\mu$ ’99, December 15 – 17, 1999, in *Physics Potential and Development of Muon Colliders and Neutrino Factories*, edited by David B. Cline, AIP Conference Proceedings 542 (American Institute of Physics, Melville, NY, 2000), pp. 3–28; FERMILAB-CONF-00/021-T [arXiv: hep-ph/0001145].
220. “CP Violation and Rare Decays,” Summary talk at DAΦNE 99, Workshop on Physics and Experiments for DAΦNE, Frascati, November 14 – 17, 1999, in *Physics and Detectors for DAΦNE*, edited by S. Bianco, *et al.* (INFN Laboratori Nazionali di Frascati, Frascati, 1999), p. 751–782; FERMILAB-CONF-00/002-T [arXiv: hep-ph/0001029].

219. “Questions of Identity,” presented at ν Fact ’99, the ICFA/ECFA Workshop on Neutrino Factories Based on Muon Storage Rings, Lyon, July 5 – 9, 1999, *Nuclear Instruments and Methods in Physics Research A* 451, 1–9 (2000); FERMILAB-CONF-99/233-T [arXiv: hep-ph/9908357].
218. “Electroweak Symmetry Breaking and the Higgs Sector,” presented at the XXVII International Meeting on Fundamental Physics, Sierra Nevada (Granada), Spain, 1 – 5 February 1999, *Acta Physica Polonica B* 30, 2145 (1999); FERMILAB-CONF-99/033-T [arXiv: hep-ph/9905369].
217. “Physics Opportunities in Fermilab’s Futures,” FERMILAB-FN-676 (February 1999).
216. “Aesthetic Science,” review of *The Elegant Universe: Superstrings, Hidden Dimensions, and the Quest for the Ultimate Theory*, by Brian Greene, *Scientific American* 280 (4) 101 (April, 1999).
215. “Perspectives on Heavy Quark 98,” in *Workshop on Heavy Quarks*, edited by Harry W. K. Cheung and Joel N. Butler, AIP Conference Proceedings 459 (American Institute of Physics, Melville, NY, 1999), pp. 485–504; FERMILAB-PUB-98/390-T [arXiv: hep-ph/9812299].
214. “The Man Who Loved Ideas,” review of *The Meaning of It All: Thoughts of a Citizen Scientist*, by Richard P. Feynman, *FermiNews*, July 17, 1998, p. 6.
213. “Neutrino Interactions at Ultrahigh Energies,” with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic, *Physical Review D* 58, 093009 (1998); FERMILAB-PUB-98/087-T [arXiv: hep-ph/9807264].
212. “Manifestations of R -Parity Violation in Ultrahigh-Energy Neutrino Interactions,” with M. Carena, D. Choudhury, and S. Lola, *Physical Review D* 58, 095003 (1998); FERMILAB-PUB-98/088-T [arXiv: hep-ph/9804380].
211. “Physics with a Millimole of Muons,” in *Workshop on Physics at the First Muon Collider and at the Front End of a Muon Collider*, Fermilab, November 1997, edited by S. Geer and R. Raja, AIP Conference Proceedings 435 (American Institute of Physics, Melville, NY, 1998), pp. 242–257; FERMILAB-CONF-98/073-T [arXiv: hep-ph/9803326].
210. “Hadron Colliders: the Top Quark and Higgs Boson,” in *Physics Potential and Development of $\mu\mu$ Colliders*, 4th International Conference, San Francisco, December 1997, edited by David B. Cline, AIP Conference Proceedings 441 (American Institute of Physics, Melville, NY, 1998), pp. 57–71; FERMILAB-CONF-98/059-T [arXiv: hep-ph/9802320].
209. “Realizing the Potential of Quarkonium,” in *Twenty Beautiful Years of Bottom Physics*, Illinois Institute of Technology, June 29–July 2, 1997, edited by R. A. Burnstein, D. M. Kaplan, and H. A. Rubin, AIP Conference Proceedings 424 (American Institute of Physics, Melville, NY, 1998), pp. 173–188; FERMILAB-CONF-97/266-T [arXiv: hep-ph/9707493].
208. “Neutrino Interaction Cross Sections,” in *Proceedings of the Workshop on Cosmic Neutrinos: Origin, Production, and Detection*, Marseille, France, June 2–3, 1997 (CPPM, Marseille, 1997); FERMILAB-CONF-97/158-T.
207. “Hadron Colliders, the Top Quark, and the Higgs Sector,” in *Advanced School on Electroweak Theory*, Maó, Menorca, Spain, June 17–21, 1996, edited by D. Espriu and A. Pich (World Scientific, Singapore, 1998), p. 115; FERMILAB-CONF-97/157-T [arXiv: hep-ph/9707508].
206. “The Feel of the Atelier,” Review of *The Quantum Theory of Fields: Volume 2, Modern Applications*, by Steven Weinberg, *Science* 275, 938 (1997); title changed in journal to “A Physical Atelier.”
205. “Elementary Particles: Yesterday, Today, and Tomorrow,” *Stanford Linear Accelerator Center Beam Line* 27, (1) 22 (Spring 1997).

204. “Detecting Neutrinos from AGNs and Topological Defects with Neutrino Telescopes,” (with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic), contribution to DPF’96, in *DPF ’96: Proceedings*, edited by K. Heller, J. K. Nelson, D. Reeder (World Scientific, Singapore, 1998), p. ??? [arXiv: hep-ph/9609516].
203. “Top Priorities: Questions for Snowmass ’96,” in *New Directions for High-Energy Physics (Snowmass 96)*, edited by D.G. Cassel, L. Trindle Gennari, R.H. Siemann (Stanford Linear Accelerator Center, 1997), p. 782; FERMILAB-CONF-96/215-T [arXiv: hep-ph/9704321].
202. “Top-ology,” *Phys. Today* 50, 20 (May, 1997); extended version circulated as FERMILAB-PUB-97/091-T [arXiv: hep-ph/9704332].
201. “Ultrahigh-Energy Neutrino Interactions and Neutrino Telescope Event Rates,” (with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic), in *Neutrino mass, dark matter, gravitational waves, monopole condensation, and light cone quantization*, edited by Behram N. Kursunoglu, Stephan L. Mintz, Arnold Perlmutter. (Plenum Press, New York, 1996), p. 121-130 [arXiv: hep-ph/9604276].
200. “New Predictions for Neutrino Telescope Event Rates,” (with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic), in *Proceedings of the Fourth International Workshop on Theoretical and Phenomenological Aspects of Underground Physics*, edited by A. Morales, J. Morales, and J. A. Villar, *Nucl. Phys. B (Proc. Supp.)* 48, 475 (1996)
199. “Ultrahigh-Energy Neutrino Interactions,” (with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic), *Astroparticle Physics* 5, 81 (1996); FERMILAB-PUB-95/221-T and CLNS 95/1357 [arXiv: hep-ph/9512364].
198. “Particle Physics: Themes and Challenges,” in *Physics at the Frontiers of the Standard Model*, Proceedings of the Second *Rencontres du Vietnam*, October 1995, edited by Nguyễn van Hiêu and Jean Trân Thanh Van (Éditions Frontières, Gif-sur-Yvette, 1996), p. 3-14; FERMILAB-CONF-95/353-T [arXiv: hep-ph/9511438].
197. “Discovery of the Top Quark,” in *Physics News in 1995*, edited by P. F. Schewe and B. P. Stein (American Institute of Physics, College Park, MD, 1996), p. 56.
196. “Small- x Parton Densities from HERA and the Ultrahigh-Energy Neutrino-Nucleon Cross Sections,” (with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic), University of Arizona preprint AZPH-TH/95-17, contribution to the VII *Rencontres de Blois*, Frontiers in Strong Interactions / Sixth International Conference on Elastic and Diffractive Scattering, June 1995 [arXiv: hep-ph/9510295].
195. “Top-ology,” in *Proceedings of the LISHEP95 cbt Workshop*, Rio de Janeiro, February 1995, edited by F. Caruso, *et al.* (Éditions Frontières, Gif-sur-Yvette, France, 1996), p. 409-426; FERMILAB-PUB-95/139-T [arXiv: hep-ph/9507257].
194. “Quarkonium Wave Functions at the Origin,” (with Estia J. Eichten), *Physical Review D* 52, 1726 (1995); FERMILAB-PUB-95/045-T [arXiv: hep-ph/9503356].
193. “Quark top afeta o mundo à nossa volta,” in *Jornal da Ciência Hoje* (Brasil), 10 February 1995, p. 5; [English original].
192. “A Little Bit of the Gods,” Presented at the International Symposium and Tribute in Honor of Robert R. Wilson on His 80th Birthday *Celebrating an Era of Courage and Creativity*, Fermi National Accelerator Laboratory, March 4, 1994, under the title, “Golden Ages.”
191. “Conclusions and Perspectives,” in *The Heart of the Matter: from nuclear interactions to quark gluon dynamics*, Proceedings of the Sixth *Rencontres de Blois*, *Au Cœur de la Matière*, June 20-25, 1994, edited by J.-F. Mathiot and J. Trân Than Vân (Éditions Frontières, Gif-sur-Yvette, 1995), p. 361-375; FERMILAB-CONF-94/230-T.

190. "Top Quark Matters," in *Proceedings of the 1994 International Conference on High Energy Physics*, ed. Peter J. Bussey and Ian G. Knowles (Institute of Physics, London, 1995), p. 1185; FERMILAB-CONF-94/225-T.
189. "Orbitally Excited Heavy-Light Mesons Revisited," (with Estia J. Eichten and Christopher T. Hill), in *The Future of High-Sensitivity Charm Experiments*, Proceedings of the CHARM2000 Workshop, Fermilab, June 1994, edited by D. M. Kaplan and S. Kwan, FERMILAB-CONF-94/190, p. 355; FERMILAB-CONF-94/118-T.
188. "Spectra of Heavy-Light Mesons" (with Estia J. Eichten and Christopher T. Hill), in *The Future of High-Sensitivity Charm Experiments*, Proceedings of the CHARM2000 Workshop, Fermilab, June 1994, edited by D. M. Kaplan and S. Kwan, FERMILAB-CONF-94/190, p. 345; FERMILAB-CONF-94/117-T.
187. "A View of the Particle World," Review of *Conceptual Foundations of Modern Particle Physics*, by Robert E. Marshak, *Science* 264, 1952 (1994).
186. "Misrepresentation and Fantasy" (Letter to the Editor, with Robert N. Cahn and J. David Jackson), *Science* 264, 185 (1994).
185. "Supercollider Physics," in *Les Rencontres de Physique de la Vallée d'Aoste: Results and Perspectives in Particle Physics*, La Thuile, Aosta Valley, March 6-14, 1994, edited by M. Greco (Éditions Frontières, Gif-sur-Yvette, 1994), p. 721; FERMILAB-CONF-94/077-T.
184. "Truth in Super Collider Criticism" (Letter to the Editor, with Robert N. Cahn and J. David Jackson), *Science* 263, 902 (1994).
183. "Mesons with Beauty and Charm: Spectroscopy" (with Estia J. Eichten), *Physical Review D* 49, 5845 (1994); FERMILAB-PUB-94/032-T [arXiv: hep-ph/9402210].
182. " B_c ," in *Proceedings of the Workshop on B Physics at Hadron Accelerators*, Snowmass, Colorado, edited by P. McBride and C. S. Mishra, SSCL-SR-1225 / FERMILAB-CONF-93/267, p. 439; FERMILAB-CONF-93/265-T.
181. " B^{**} Properties," in *Proceedings of the Workshop on B Physics at Hadron Accelerators*, Snowmass, Colorado, edited by P. McBride and C. S. Mishra, SSCL-SR-1225 / FERMILAB-CONF-93/267, p. 443; FERMILAB-CONF-93/257-T.
180. "Properties of Orbitally Excited Heavy-Light Mesons" (with Estia J. Eichten and Christopher T. Hill), *Physical Review Letters* 71, 4116 (1993); FERMILAB-PUB-93/255-T [arXiv: hep-ph/9308337].
179. "Flavor Asymmetry of the Nucleon Sea: Consequences for Dilepton Production" (with Estia J. Eichten and Ian Hinchliffe), *Physical Review D* 47, R747 (1993); FERMILAB-PUB-92/264-T [arXiv: hep-ph/9210239].
178. "Flavor Asymmetry in the Light-Quark Sea of the Nucleon" (with Estia J. Eichten and Ian Hinchliffe), *Physical Review D* 45, 2269 (1992); FERMILAB-PUB-91/272-T.
177. "Conference Summary," in '91 *High Energy Hadronic Interactions*, Proceedings of the XXVI Rencontres de Moriond, Les Arcs (Savoie) France, March 17 - 22, 1991, edited by J. Tran Thanh Van (Éditions Frontières, Gif-sur-Yvette, France, 1991), p. 503-518; FERMILAB-CONF-91/146-T.
176. "Gauge Boson Dynamics," in *Beyond the Standard Model II*, edited by Kimball A. Milton, Ronald Kantowski, and Mark A. Samuel (World Scientific, Singapore, 1991), p. 186-197; FERMILAB-PUB-91/058-T.

175. "Hadron Supercolliders: The 1-TeV Scale and Beyond," in *TeV Physics*, CCAST (World Laboratory) Symposium/Workshop Proceedings Volume 8, edited by Tao Huang, et al. (Gordon and Breach, London, 1991), p. 371; LBL-29453.
174. "Report of the 1990 High Energy Physics Advisory Panel Subpanel on SSC Physics" (with Sidney D. Drell, et al.), DOE/ER-0434 (January, 1990).
173. "The Physics Program of the SSC," in *Proceedings of the Workshop on Tracking Systems for the Superconducting Super Collider*, Vancouver, July 24-28, 1989, p. A23.
172. "SSC Status Report," in *New Results in Hadronic Interactions*, proceedings of the XXIV Rencontres de Moriond, Les Arcs, France, March 12-18, 1989, edited by J. Tran Thanh Van (Éditions Frontières, Gif-sur-Yvette, France, 1990), p. 145.
171. "Uses of Particle Identification for Supercollider Physics," in *Proceedings of the Symposium on Particle Identification at High-Luminosity Hadron Colliders*, Fermilab, April 5-7, 1989, edited by Treva J. Gourlay and Jorge G. Morfin (Fermilab, Batavia, Illinois, 1989), p. 3; SSC-221.
170. "The Superconducting Super Collider: A New Instrument for Particle Physics," in *International Research Facilities*, Proceedings of the IV European Physical Society Seminar, Zagreb, Yugoslavia, March 17-19, 1989, edited by Ivo Slaus (European Physical Society, Ruder Boskovic Institute, Zagreb, 1989), p. 69.
169. "Quantum Fieldwork" (with Kate Metropolis), review of *Beamtimes and Lifetimes*, by Sharon Traweek, *Nature* 338, 215 (1989).
168. "Opening the High-Energy Frontier," in *Hadronic Matter in Collision*, Tucson, October 6-12, 1988, edited by P. Carruthers and J. Rafelski (World Scientific, Singapore, 1989). p. 3; SSC-199.
167. "Prospects at High Energies," in *Neutrino '88*, Proceedings of the 13th International Conference on Neutrino Physics and Astrophysics, Tufts University, Medford, Massachusetts, June 7-11, 1988, edited by J. Schneps, et al. (World Scientific, Singapore, 1989), p. 792; SSC-193.
166. "Introductory Remarks," in *Appraising the Ring: Statements in Support of the Superconducting Super Collider*, compiled and introduced by Leon M. Lederman and Chris Quigg (Universities Research Association, Washington, 1988), pp. xix-xxv.
165. *Appraising the Ring: Statements in Support of the Superconducting Super Collider*, compiled and introduced by Leon M. Lederman and Chris Quigg (Universities Research Association, Washington, 1988); [review in *Science* 242, 1586 (1988)].
164. "Report of the High Energy Physics Advisory Panel Subpanel on Future Modes of Experimental Research in High Energy Physics" (with Sam B. Treiman, et al.), DOE/ER-0380 (July, 1988).
163. "La Physique des Supercollisionneurs," Conférence donnée le 16 novembre 1987 au Collège de France, Paris, sous le titre "La Physique à 40 TeV au Supercollisionneur Proton-Proton", included in *The Third Bernard Gregory Lectures*, CERN Yellow Report 89-11.
162. "Supercollider Physics," Bernard Gregory Lecture given at Collège de France, Paris, November 16, 1987 as "La Physique à 40 TeV au Supercollisionneur Proton-Proton," SSC-191; included in *Physics of Particle Accelerators*, edited by Melvin Month and Margaret Dienes, AIP Conference Proceedings 184 (American Institute of Physics, Melville, NY, 1989), vol. 2, pp. 2255-2279; and in *The Third Bernard Gregory Lectures*, CERN Yellow Report 89-11.
161. "Heavy Flavors - '87: Conference Summary," in *Proceedings of the International Symposium on the Production and Decay of Heavy Flavors*, edited by E. Bloom and A. Fridman, *Annals of the New York Academy of Sciences* 535, 617 (1988).

160. "Du Supercollisionneur," Conférence donnée le 18 novembre 1987 à l'Ecole Polytechnique de Palaiseau, sous le titre "La Physique des Particules: découvertes, éclaircissements, outils", included in *The Third Bernard Gregory Lectures*, CERN Yellow Report 89-11.
159. "Supercollider!" Bernard Gregory Lecture given at Ecole Polytechnique de Palaiseau, November 18, 1987 as "La Physique des Particules: découvertes, éclaircissements, outils," included in *The Third Bernard Gregory Lectures*, CERN Yellow Report 89-11; SSC-192.
158. "Principle approach," review of *Longing for the Harmonies*, by Frank Wilczek and Betsy Devine, *Nature* 333, 220 (1988).
157. "The Significance of the 1-TeV Scale," Bernard Gregory Lecture given at CERN, November 19, 1987, included in *The Third Bernard Gregory Lectures*, CERN Yellow Report 89-11; SSC-158.
156. "Hadron Colliders Beyond the Z^0 ," in *Looking beyond the Z*, Proceedings of the Fifteenth SLAC Summer Institute on Particle Physics, SLAC Report No. 328, edited by Eileen C. Brennan (SLAC, Stanford, California, 1988), p. 179; SSC-154.
155. "An Introduction to Radiation Protection for the Superconducting Super Collider," Task Force Report (with K. Metropolis (editor), L. Coulson, W. Freeman, J. D. Jackson, and T. E. Toohig), SSC-SR-1027.
154. "Física de las partículas elementales: Descubrimientos, Ideas, y Herramientas," Spanish translation of "Elementary Particle Physics: Discoveries, Insights, and Tools," FERMILAB-CONF-86/139-T, translated by Saúl Téllez-Minor and Jaime Stein-Schabes, 1987, <http://fnalpubs.fnal.gov/archive/1986/conf/fermilab-conf-86-139-t-spanish.pdf>.
153. "Oral Tradition," review of *Concepts of Particle Physics*, by K. Gottfried and V. F. Weisskopf, *Nature* 330, 31 (1987).
152. "Elementary Particle Physics in the Twenty-First Century," in *Fermilab Industrial Affiliates Roundtable on Research Technology in the Twenty-First Century*, edited by R. A. Carrigan, Jr. and R. B. Fenner (Fermilab, Batavia, Illinois, 1988), p. 15.
151. "For the SSC: A Scientific Adventure for the Nineties," in *The World & I*, September, 1987, p. 298.
150. Book review: *The Particle Hunters*, by Yuval Ne'eman and Yoram Kirsh, *American Scientist*, May-June 1988, p. 297.
149. "On the detection of ultrahigh-energy neutrinos" (with M. H. Reno), *Physical Review D* 37, 657 (1988); FERMILAB-PUB-87/066-T.
148. "A Pinacoteca of Cross Sections for Hadroproduction of Heavy Quarks" (with R. K. Ellis), FERMILAB-FN-445, January 22, 1987.
147. "Heavy Quark Systems" (with W. Kwong and J. L. Rosner), *Annual Review of Nuclear and Particle Science* 37, 325 (1987); FERMILAB-PUB-87/015-T.
146. "Supercollider," in *Science Reporter (India)*, November, 1986.
145. "Elementary Particle," in *1988 McGraw-Hill Yearbook of Science and Technology*, edited by S. P. Parker (McGraw-Hill, New York, 1988), p. 124.
144. "Postscript to IDEAS," in *Particles and Forces: At the Heart of Matter*, a *Scientific American* Reprint Volume, edited by Richard A. Carrigan, Jr., and W. Peter Trower (W. H. Freeman and Co., New York, 1990), p. 55.

143. "Elementary Particle Physics: Discoveries, Insights, and Tools," in *Quarks, Quasars, and Quandaries*, edited by G. Aubrecht (American Association of Physics Teachers, College Park, MD, 1987), p. 25-79; FERMILAB-CONF-86/139-T.
142. "The Superconducting Super Collider: Scientific Motivation and Technical Progress," in *Proceedings of the 6th International Conference on $\bar{p}p$ Physics*, edited by K. Eggert, H. Faissner, and E. Rademacher (World Scientific, Singapore, 1987), p. 736; FERMILAB-CONF-86/126-T.
141. "Beyond the Standard Model," in *Proceedings of the XVII International Symposium on Multiparticle Dynamics*, Seewinkel, Austria, June 15-20, 1986, edited by M. Markeytan, W. Majerotto, and J. MacNaughton (World Scientific, Singapore, 1987), p. 21; FERMILAB-CONF-86/118-T.
140. "Supercollider Physics: a Prospectus," in *Strings, Lattice Gauge Theory, High Energy Phenomenology*, Proceedings of the Winter School, Panchgani, India, 25 January - 5 February 1986, edited by V. Singh and S. R. Wadia (World Scientific, Singapore, 1987), p. 361-438; FERMILAB-CONF-86/084-T.
139. "To Explore the 1 TeV Scale," in *Quarks, Strings, Dark Matter, and All the Rest*, Proceedings of the 7th Vanderbilt High-Energy Physics Conference, edited by R. S. Panvini and T. J. Weiler (World Scientific, Singapore, 1987), p. 195-214; FERMILAB-CONF-86/082-T.
138. "Interactions of Ultrahigh-Energy Neutrinos" (with M. H. Reno and T. P. Walker), *Physical Review Letters* 57, 774 (1986); FERMILAB-PUB-86/050-T.
137. "SSC Briefing Materials" (with R. Johnson, W. K. H. Panofsky, and R. F. Schwitters), March, 1986.
136. "Supersymmetry at Very High Energies," in *Supersymmetry*, Proceedings of the 1985 SLAC Summer Institute, edited by Eileen C. Brennan, SLAC Report No. 296 (1986), p. 331; FERMILAB-CONF-85/174-T.
135. "Probing the Structure of the Universe from Quarks to Cosmology" (with E. W. Kolb), *The Physics Teacher* 24, 528 (December, 1986); FERMILAB-PUB-85/165-A.
134. "Signatures for Technicolor" (with E. Eichten, I. Hinchliffe, and K. Lane), *Physical Review D* 34, 1547 (1986); FERMILAB-PUB-85/145-T.
133. "Elementary Particle Physics and the Superconducting Super Collider" (with R. F. Schwitters), *Science* 231, 1522 (1986); FERMILAB-PUB-85/137-T.
132. "Quantum Chromodynamics near the Confinement Limit," in *Quarks and Leptons*, edited by C. A. Engelbrecht (Springer-Verlag, Berlin, 1986), *Lecture Notes in Physics*, vol. 248, p. 247; FERMILAB-CONF-85/126-T.
131. "Report of the Briefing Panel on Scientific Frontiers and the Superconducting Super Collider" (with S. Wojcicki, *et al.*), in *Research Briefings 1985*, (National Academy Press, Washington, 1985), p. 73.
130. "Computing for Particle Physics" (with J. Ballam, *et al.*), Report of the High Energy Physics Advisory Panel Subpanel on Computer Needs for the Next Decade, DOE/ER-0234, August 1985.
129. Book review: *The Particle Connection*, by Christine Sutton, *American Scientist* 73, 476 (1985).
128. "Supercollider Physics," in *Proceedings of the International Symposium on Physics of Proton-Antiproton Collision*, Tsukuba, edited by Y. Shimuzu and K. Takikawa, KEK Report 85-5, p. 499; FERMILAB-CONF-85/046-T.

127. “Elementary Particles and Forces,” *Scientific American* 252 (4) 84 (April, 1985). *Scientific American* 252, (4) 84 (April, 1985). Reprinted in *The World of Physics*, edited by Jefferson Hane Weaver (Simon and Schuster, New York, 1987), vol. II, p. 869. Included in *Particles and Forces: At the Heart of Matter*, a *Scientific American* Reprint Volume, edited by Richard A. Carrigan, Jr., and W. Peter Trower (W. H. Freeman and Co., New York, 1990), p. 3. Included in *The Higgs Boson* (eBook), edited by The Editors of *Scientific American* (Scientific American, New York, 2012) §1.1.
126. “Physics through the 1990s: Elementary Particle Physics” (with M. L. Perl, *et al.*), (National Academy Press, Washington, 1986).
125. “What Lies Ahead?” in *50 Years of Weak Interactions*, edited by D. B. Cline and G. M. Riedasch (University of Wisconsin—Madison, 1985), p. 459-485; FERMILAB-CONF-84/102-T.
124. “Report of the 1984 High Energy Physics Advisory Panel Subpanel on Theoretical Computing” (with N. H. Christ, *et al.*), DOE/ER-0205, September 1984.
123. “The Standard Model and Beyond,” prepared for the 1984 U. S. Summer School on High-Energy Particle Accelerators, Fermilab; FERMILAB-CONF-84/088-T.
122. “Higgs Bosons at the SSC: Supplement to *EHLO*” (with E. Eichten, I. Hinchliffe, and K. Lane), in *Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider*, edited by R. Donaldson and J. G. Morfín, Fermilab, Batavia, 1985, p. 99; FERMILAB-CONF-84/076-T.
121. “SSC Parameters: What Physics Demands,” in *Proceedings of the 1984 DPF Summer Study on the Design and Utilization of the Superconducting Super Collider*, edited by R. Donaldson and J. G. Morfín, Fermilab, Batavia, 1985, p. 749-751; FERMILAB-CONF-84/073-T.
120. “Supercollider Physics” (with E. Eichten, I. Hinchliffe, and K. Lane), *Reviews of Modern Physics* 56, 579-707 (1984); FERMILAB-PUB-84/017-T; Erratum, *Reviews of Modern Physics* 58, 1065-1073 (1986).
119. “Search for Supersymmetric Particles in Hadron-Hadron Collisions” (with S. Dawson and E. Eichten), *Physical Review D* 31, 1581 (1985); FERMILAB-PUB-83/082-T.
118. “Fermilab Dedicated Collider: 2. Physics Opportunities” (with J. D. Bjorken and E. Eichten) FERMILAB-CONF-83/072.
117. “Topics in Quarkonium Physics,” lectures at the XXIIInd Cracow School of Theoretical Physics, Zakopane, May 30 - June 12, 1982, *Acta Physica Polonica B* 15, 53 (1984); FERMILAB-PUB-83/025-T.
116. “Hadron Jets in Perspective,” concluding talk at the Europhysics Study Conference on Jets and Multibody Phenomena in Strong, Electromagnetic, and Weak Interactions, Erice, September, 1982; FERMILAB-CONF-82/091-T.
115. *Gauge Theories of the Strong, Weak, and Electromagnetic Interactions* (book), (Benjamin / Cummings, Reading, Massachusetts, 1983); paperbound edition, 1984; reprinted, 1986, 1988; Advanced Books Classic, 1997.
114. “ e^+e^- Collisions: What Remains to be Done?” in *Quarks, Leptons, and Supersymmetry*, edited by J. Tran Thanh Van (Editions Frontières, Gif-sur-Yvette, 1982), p. 231; FERMILAB-PUB-82/037-T.
113. “Models for Hadrons,” lectures given at l’École d’Été de Physique Théorique, Les Houches, in *Gauge Theories in High Energy Physics*, edited by M. K. Gaillard and R. Stora (North-Holland, Amsterdam, 1983), p. 645; FERMILAB-CONF-81/078-T.

112. "What We Can Learn from Lepton-Quark Interactions," in *Physics in Collision*, vol. 1, edited by W. P. Trower and G. Bellini (Plenum, New York, 1982), p. 345; FERMILAB-CONF-81/052-T.
111. "Particle, Elementary," in *Encyclopedia Americana* (1982 edition).
110. "Beyond Upsilon: Heavier Quarkonia and the Interquark Force" (with P. Moxhay and J. L. Rosner), *Physical Review D* **23**, 2638 (1981); FERMILAB-PUB-81/014-T.
109. "Further Evidence for Flavor-Independence of the Quark-Antiquark Potential" (with J. L. Rosner), *Physical Review D* **23**, 2625 (1981); FERMILAB-PUB-81/013-T.
108. Book Review: *Elementary Particle Physics*, by David C. Cheng and Gerard K. O'Neill, *Physics Today* **33** (10) 76 (October, 1980); FERMILAB-PUB-80/077-T.
107. "Inverse Scattering and the Υ Family" (with J. L. Rosner), in *High Energy Physics - 1980*, Proceedings of the XXth International Conference on High Energy Physics, Madison, Wisconsin, edited by L. Durand and L. Pondrom (American Institute of Physics, New York, 1981), p. 719; FERMILAB-CONF-80/075-T.
106. "Introduction to Gauge Theories of the Strong, Weak, and Electromagnetic Interactions," in *Techniques and Concepts of High Energy Physics*, edited by T. Ferbel (Plenum, New York, 1981), p. 143; FERMILAB-CONF-80/064-T.
105. "(Quark)onium Theory and Spectroscopy," in *High Energy Physics - 1980*, Proceedings of the XXth International Conference on High Energy Physics, Madison, Wisconsin, edited by L. Durand and L. Pondrom (American Institute of Physics, New York, 1981), p. 713; FERMILAB-CONF-80/073-T.
104. "Quantum Chromodynamics," in *McGraw-Hill Encyclopedia of Science and Technology*, 5th edition, edited by S. P. Parker (Mc-Graw-Hill, New York, 1980), vol. 11, p. 168; revised 2002, 2006, AccessScience@McGraw-Hill.
103. "Gluons," in *McGraw-Hill Encyclopedia of Science and Technology*, 5th edition, edited by S. P. Parker (McGraw-Hill, New York, 1980), vol. 6, p. 306; revised 2006, AccessScience@McGraw-Hill.
102. "Intermediate Bosons: Weak Interaction Couriers" (with P. Q. Hung), *Science* **210**, 1205 (1980); FERMILAB-PUB-80/024-T.
101. Book review: *Relativistic Particle Physics*, by Hartmut M. Pilkuhn, *Science* **208**, 1025 (1980); FERMILAB-PUB-80/020-T.
100. "Degeneracy in One-Dimensional Quantum Mechanics" (with W. Kwong, J. L. Rosner, J. F. Schonfeld, and H. B. Thacker), *American Journal of Physics* **48**, 926 (1980);
99. "On the Convergence of Reflectionless Approximations to Confining Potentials" (with J. F. Schonfeld, W. Kwong, J. L. Rosner, and H. B. Thacker), *Annals of Physics (New York)* **128**, 1 (1980); FERMILAB-PUB-79/077-T.
98. "Bound States of Heavy Quarks and Antiquarks," in *Proceedings of the 1979 International Symposium on Lepton and Photon Interactions at High Energies*, edited by T. B. W. Kirk and H. D. I. Abarbanel (Fermilab, Batavia, 1980), p. 239; FERMILAB-CONF-79/074-T.
97. "Charmed Meson Decays and the Structure of the Charged Weak Current," *Zeitschrift für Physik C* **4**, 55 (1980); FERMILAB-PUB-79/062-T.
96. "Constructive Evidence for Flavor Independence of the Quark-Antiquark Potential" (with J. L. Rosner and H. B. Thacker), contribution to the European Physical Society Conference on High Energy Physics, Geneva (June, 1979); expanded version published in *Physical Review D* **21**, 234 (1980); FERMILAB-PUB-79/052-T.

95. “Quantum Mechanics with Applications to Quarkonium” (with J. L. Rosner), *Physics Reports* 56, 167 (1979); FERMILAB-PUB-79/022-T.
94. “Fermilab Research Results 1978” (with Leon Lederman), Fermilab booklet (January, 1979).
93. “Quantum Mechanics and Quarkonium: An Introductory Review,” in *Proceedings of the 1978 International Meeting on Frontier of Physics, Singapore*, edited by K. K. Phua, C. K. Chew, and Y. K. Lim (Singapore National Academy of Science, 1979), vol. II, p. 665; and in *Proceedings of the Seoul Symposium on Elementary Particle Physics in Honor of Benjamin W. Lee*, edited by J. Kim, P. Y. Pac, and H. S. Song (Seoul National University Press, 1978), p. 113; FERMILAB-CONF-78/082-T.
92. “New Particles, Theoretical” (with J. D. Jackson and J. R. Rosner), in *Proceedings of the XIX International Conference on High Energy Physics, Tokyo, 1978*, edited by S. Homma, M. Kawaguchi, and H. Miyazawa (Physical Society of Japan, Tokyo, 1979), p. 391; FERMILAB-CONF-78-211-T.
91. “Multilepton Final States and the Weak Interactions of the Fifth Quark” (with J. L. Rosner), *Physical Review D* 19, 1532 (1979); FERMILAB-PUB-78/099-T.
90. “Lectures on Charmed Particles,” in *Proceedings of the XIth International School for Young Scientists on High-Energy Physics and Relativistic Nuclear Physics*, Gomel, Byelorussia, September, 1977 (JINR, Dubna, 1979), p. 203; FERMILAB-CONF-78/037-T.
89. “Quarkonium Quantum Mechanics,” *CERN Courier* 18, 215 (1978).
88. “Determining the Fifth Quark’s Charge: The Role of Υ Leptonic Widths” (with J. L. Rosner and H. B. Thacker), *Physics Letters* 74B, 350 (1978); FERMILAB-PUB-78/019-T.
87. “New (Quark) Flavors,” in *New Frontiers in High Energy Physics*, edited by B. Kursonoglu, A. Perlmutter, and L. F. Scott (Plenum, New York, 1978), p. 263; FERMILAB-CONF-78/017-T.
86. “Inverse Scattering Approach to Quarkonium Potentials. II: Applications to ψ and Υ Families” (with H. B. Thacker and J. L. Rosner), *Physical Review D* 18, 287 (1978); FERMILAB-PUB-77/109-T.
85. “Inverse Scattering Approach to Quarkonium Potentials. I: One-Dimensional Formalism and Methodology” (with H. B. Thacker and J. L. Rosner), *Physical Review D* 18, 274 (1978); FERMILAB-PUB-77/108-T.
84. “Semiclassical Sum Rules” (with J. L. Rosner), *Physical Review D* 17, 2364 (1978); FERMILAB-PUB-77/106-T.
83. “Dedication to B. W. Lee” (with H. J. Lipkin, A. K. Mann, S. Meshkov, J. Rosner, R. Shrock, and S. Treiman), in *Unification of Elementary Forces and Gauge Theories*, edited by D. B. Cline and F. E. Mills (Harwood Academic Publishers, London, 1979), p. xv.
82. “Counting Narrow Levels of Quarkonium” (with J. L. Rosner), *Physics Letters* 72B, 462 (1978); FERMILAB-PUB-77/101-T.
81. “Scaling the Schrödinger Equation” (with J. L. Rosner), *Comments on Nuclear and Particle Physics* 8, 11 (1978); FERMILAB-PUB-77/090-T.
80. “Quarkonium Level Spacings” (with J. L. Rosner), *Physics Letters* 71B, 153 (1977); FERMILAB-PUB-77/082-T.
79. “Benjamin W. Lee” (with S. Weinberg), *Physics Today* 30, (9) 76 (1977).

78. "The Cluster Concept in Multiple Hadron Production" (with I. M. Dremin), *Science* **199**, 937 (1978); also published as "Klasteri v Protessakh Mrozhestvennogs Rozhdenia Adronov" in *Uspekhi Fizicheskikh Nauk USSR* **124**, 535 (1978); English translation: *Soviet Physics - Uspekhi* **21**, 265 (1978); FERMILAB-PUB-77/069-T.
77. "Hadronic Decays of Charmed Mesons" (with J. L. Rosner), *Physical Review D* **17**, 239 (1978); FERMILAB-PUB-77/060-T.
76. "Hadronic Decays of η_c " (with J. L. Rosner), *Physical Review D* **16**, 1497 (1977); FERMILAB-PUB-77/040-T.
75. "Dilepton Production in Hadron-Hadron Collisions and the 'Factor of Three' from Color," in *Color Symmetry and Quark Confinement*, edited by J. Tran Thanh Van (Editions Frontières, Paris, 1977), p. 93; FERMILAB-CONF-77/033-T.
74. "Weak Interactions at Very High Energies: The Role of the Higgs Boson Mass" (with B. W. Lee and H. B. Thacker), *Physical Review D* **16**, 1519 (1977); FERMILAB-PUB-77/030-T.
73. "Issues in Charmed Particle Spectroscopy," in *Leptons and Multileptons*, edited by J. Tran Thanh Van (Editions Frontières, Paris, 1977), p. 519; FERMILAB-CONF-77/027-T.
72. "The Strength of Weak Interactions at High Energies and the Mass of the Higgs Boson" (with B. W. Lee and H. B. Thacker), *Physical Review Letters* **38**, 883 (1977); FERMILAB-PUB-77/022-T.
71. "Production and Detection of Intermediate Vector Bosons and Heavy Leptons in pp and $\bar{p}p$ Collisions," Fermilab booklet, January, 1977, and *Reviews of Modern Physics* **49**, 297 (1977).
70. "An Estimate of the Branching Ratios for Dalitz Pair Decays of the ω^0 Meson" (with C. H. Lai), FERMILAB-FN-296 (September, 1976).
69. "Charmed Baryon Interpretation of $\Lambda\pi^-\pi^-\pi^+$ and $\Lambda\pi^-\pi^-\pi^+\pi^+$ Peaks" (with B. W. Lee and J. L. Rosner), *Physical Review D* **15**, 157 (1977); FERMILAB-PUB-76/071-T.
68. "Tests for Weak Decays of Charmed Particles" (with B. W. Lee and J. L. Rosner), *Comments of Nuclear and Particle Physics* **7**, 49 (1977); FERMILAB-PUB-76/063-T.
67. "POPAE: a 1000 GeV on 1000 GeV Proton-Proton Colliding Beam Facility (with D. Ayres, et al. [Argonne-Fermilab POPAE Collaboration], *IEEE Trans. Nucl. Sci.* **24**, 1184-1186 (No. 3, 1977).
66. "Peripheral Models," in *Encyclopedia of Physics*, edited by R. G. Lerner and G. L. Trigg (Addison-Wesley, Reading, Massachusetts, 1981), p. 734; FERMILAB-PUB-76/060-T.
65. "Gauge Theories and νp Elastic Scattering" (with C. H. Albright, R. E. Shrock, and J. Smith), FERMILAB-PUB-76/045-T (unpublished).
64. "Neutrino-Proton Elastic Scattering: Implications for Weak Interaction Models" (with C. H. Albright, R. E. Shrock, and J. Smith), *Physical Review D* **14**, 1780 (1976) FERMILAB-PUB-76/040-T.
63. "Hyperon-initiated Reactions at High Energies" (with R. D. Field), *Nuclear Physics B* **117**, 303 (1976); FERMILAB-PUB-76/035-T.
62. "Lectures on Weak Interactions," FERMILAB-CONF-76/001-T (February, 1976).
61. "Postlude," Summary of the IInd International Conference on New Results in High Energy Physics at Vanderbilt, in *Particle Searches and Discoveries - 1976*, edited by R. S. Panvini (American Institute of Physics, New York, 1976), p. 321; FERMILAB-PUB-76/030-T.
60. "Comment on Hadronic Production of Psions" (with S. D. Ellis and M. B. Einhorn), *Physical Review Letters* **36**, 1263C (1976); FERMILAB-PUB-76/029-T.

59. "An Experimental Fable" (with B. W. Lee), *Comments on Nuclear and Particle Physics* **6**, 93 (1976); included in *A Perspective of Physics*, Vol. I, edited by Sir Rudolf Peierls (Gordon & Breach, New York, 1977), p. 9; FERMILAB-PUB-76/017-T.
58. "Hadron Physics with Hyperon Beams" (with J. L. Rosner), *Physical Review D***14**, 160 (1976); FERMILAB-PUB-76/013-T.
57. "SU(3) Content of the Pomeranchuk Singularity" (with E. Rabinovici), *Physical Review D***13**, 2525 (1976); FERMILAB-PUB-75/081-T.
56. "Developments in Strong Interaction Physics," in *Particles and Fields - 1975*, edited by H. J. Lubatti and P. M. Mockett (University of Washington, Seattle), p. 1; FERMILAB-CONF-75/076-T.
55. "An Agenda for Correlations," in *Proceedings of the VIth International Colloquium on Multiparticle Reactions*, Oxford, 1975, edited by Chan Hong-Mo, R. J. N. Phillips, and R. G. Roberts (Rutherford High Energy Laboratory, Chilton), p. 59; FERMILAB-CONF-75/063-T.
54. "Comment on a Recent Search for Charm" (with M. B. Einhorn), *Physical Review Letters* **35**, 1114C (1975); FERMILAB-PUB-75/042-T.
53. "Rapidity Gap Distributions and Clustering in Multiparticle Production" (with A. Krzywicki and G. H. Thomas), *Physics Letters* **57B**, 369 (1975); FERMILAB-PUB-75/040-T.
52. "Nonleptonic Decays of Charmed Mesons: Implications for e^+e^- Annihilation" (with M. B. Einhorn), *Physical Review D***12**, 2015 (1975); FERMILAB-PUB-75/021-T.
51. "Coherent Production and Decay Modes of a Pseudoscalar Partner of the $\psi(3105)$ Boson" (with R. F. Dashen, I. J. Muzinich, and B. W. Lee), FERMILAB-PUB-75/018-T.
50. "Isolating the Exchanges in Multiple Production" (with P. Pirilä and G. H. Thomas), *Physical Review D***12**, 92 (1975); FERMILAB-PUB-75/016-T.
49. "Estimates of Associated Charm Production Cross Sections" (with R. D. Field), FERMILAB-PUB-75/015-T, January, 1975; not for publication.
48. "On the New Narrow Resonances" (with M. B. Einhorn), FERMILAB-PUB-75/000-T (not for publication).
47. "Some Considerations on η_c " (with B. W. Lee), FERMILAB-PUB-74/110-T, December, 1974; not for publication.
46. "Local Quantum Number Compensation in Multiple Production," *Physical Review D***12**, 834 (1975); FERMILAB-PUB-74/104-T.
45. "Direct Evidence for Independent Emission of Clusters" (with P. Pirilä and G. H. Thomas), *Physical Review Letters* **34**, 290 (1975); FERMILAB-PUB-74/100-T.
44. "Meson Spectroscopy and the Phenomenology of High Energy Collisions," in *Experimental Meson Spectroscopy - 1974*, edited by D. A. Garelick (American Institute of Physics, New York, 1974), p. 297.
43. "Remarks on the Search for Exotic Exchange" (with P. Hoyer), *Nuclear Physics* **B80**, 127 (1974).
42. "Clustering in Multiple Production" (with A. W. Chao), *Physical Review D***9**, 2016 (1974).
41. *High Energy Collisions - 1973* (editor) (American Institute of Physics, New York).
40. "What Have We Learned from High-Energy Experiments?" in *Particles and Fields - 1973*, edited by H. H. Bingham, M. Davier, and G. Lynch (American Institute of Physics, New York), p. 520.

39. "Two-Component Models for Particle Production," in *Proceedings of the Canadian Institute of Particle Physics Summer School, 1973*, edited by R. Henzi and B. Margolis (McGill University, Montreal), p. 517.
38. "Mueller-Regge Phenomenology in the Central Region" (with J. R. Freeman), *Physics Letters* **47B**, 39 (1973).
37. "Constituent Picture of Two-Body Scattering at Large Angles" (with P. Fishbane), *Nuclear Physics* **B61**, 469 (1973).
36. "Perspectives on Correlations: *De Omni Re Scibili et Quibusdam Aliis*," in *Experiments on High Energy Particle Collisions - 1973*, edited by R. S. Panvini (American Institute of Physics, New York), p. 375.
35. "Production Mechanisms of Two-to-Two Scattering Processes at Intermediate Energies" (with G. C. Fox), *Annual Review of Nuclear Science* **23**, 219 (1973).
34. "Multiple Scattering Expansions in Several Particle Dynamics" (with C. J. Joachain), *Reviews of Modern Physics* **46**, 279 (1974); FERMILAB-PUB-73/099-T.
33. "Charge Transfer in a Multiperipheral Picture" (with G. H. Thomas), *Physical Review D* **7**, 2752 (1973); FERMILAB-PUB-72/096-T.
32. "On a Two-Component Interpretation of Multiplicity Distributions" (with J. D. Jackson), FERMILAB-PUB-72/093-T (1972, unpublished).
31. "Deuteron Screening at High Energies: An Application of Triple-Regge Analysis" (with L.-L. Wang), *Physics Letters* **43B**, 314 (1973).
30. "Pion-Deuteron Scattering at High Energies" (with D. P. Sidhu), *Physical Review D* **7**, 755 (1973); Erratum: *Physical Review D* **8**, 987 (1973).
29. "Charged Particle Multiplicity and Angular Correlation Measurements in pp and γp Collisions" (with R. Arnold, G. Finocchiaro, P. Grannis, J. Kirz, and A. S. Carroll), Brookhaven National Laboratory Report BNL-17141, Intersecting Storage Accelerator Notes CRISP 72-65; included in *ISABELLE Physics Prospects*, edited by R. B. Palmer, BNL-17522, p. 363.
28. "Commentary on the Session on Production Mechanisms of Meson Resonances," in *Experimental Meson Spectroscopy - 72*, edited by A. H. Rosenfeld and K.-W. Lai (American Institute of Physics, New York), p. 269.
27. "Asymmetries of Multiplicity Cross Sections" (with S. Nussinov and J.-M. Wang), *Physical Review D* **6**, 2713 (1972).
26. "Physics with ISABELLE," Brookhaven National Laboratory Report BNL-16997, Intersecting Storage Accelerator Notes CRISP 72-36 (June, 1972); included in *ISABELLE Physics Prospects*, edited by R. B. Palmer, BNL-17522, p. 19.
25. "Inclusive Spectra in Deeply Inelastic ep Collisions" (with J.-M. Wang), *Physical Review D* **6**, 2690 (1972).
24. "Multiplicity Fluctuations and Multiparticle Distribution Functions in High Energy Collisions" (with Jiunn-Ming Wang and Chen Ning Yang), *Physical Review Letters* **28**, 1290 (1972); reprinted in *Geometrical Pictures in Hadronic Collisions*, edited by S. Y. Lo (World Scientific, Singapore, 1987), p. 330.
23. "Two-Particle Correlations in 9 GeV/c K^-p Collisions" (with M. C. Foster), *Physical Review D* **7**, 108 (1973).

22. "Inclusive Nuclear Reactions," (January, 1972, unpublished).
21. "Inclusive Reactions," in *Particles and Fields - 1971*, edited by A. C. Melissinos and P. Slattery (American Institute of Physics, New York), p. 40.
20. "How Much of 'Diffraction Dissociation' Cross Sections is Diffractive?" (with G. Cohen-Tannoudji and G. L. Kane), *Nuclear Physics B* **37**, 77 (1972).
19. "Centrifugal Barrier Effects in Resonance Partial Decay Widths, Shapes, and Production Amplitudes" (with F. von Hippel), *Physical Review D* **5**, 624 (1972); also included in *Planning for the Future, Zero-Gradient Synchrotron Workshops, Summer, 1971*, Argonne National Laboratory Report ANL/HEP-7208, vol. II, p. 648.
18. "Models for High Energy Collisions of Hadrons," in *Proceedings of the International Seminar on Binary Reactions of Hadrons at High Energies, Dubna, 1971*, p. 393.
17. "Regge Cut Contributions to Exotic Boson Exchange Cross Sections," *Nuclear Physics B* **34**, 77 (1971).
16. "Multiparticle Reactions at Intermediate Energies," in *Proceedings of the Workshop on Particle Physics at Intermediate Energies, Pasadena, March, 1971*, UCRL-20655, p. 277.
15. "New Regge Phenomenology of Inclusive Reactions" (with Chan Hong-Mo, C. S. Hsue, and Jiunn-Ming Wang), *Physical Review Letters* **26**, 672 (1972).
14. "Phenomenological Consequences of a Regge Cut Model that Satisfies $s - u$ Crossing," *Nuclear Physics B* **29**, 67 (1971).
13. "Two-Reggeon-Exchange Contributions to Hadron Scattering Amplitudes at High Energy," (Ph.D. Thesis), Lawrence Radiation Laboratory Report UCRL-20032 (September, 1970).
12. "High-Energy Hadron-Deuteron Scattering" (with C. J. Joachain), Lawrence Radiation Laboratory Report UCRL-19851 (June, 1970, unpublished).
11. "Centrifugal Barrier Effects in Meson Decays" (with F. von Hippel), in *Experimental Meson Spectroscopy*, edited by C. Baltay and A. H. Rosenfeld (Columbia University Press, New York, 1970), p. 477.
10. "Compilation of Elastic Scattering Data" (with G. C. Fox), Lawrence Radiation Laboratory Report UCRL-20001 (January, 1970).
9. "Remarks on Pion Photoproduction" (with J. D. Jackson), *Nuclear Physics B* **22**, 301 (1970).
8. "Decay Distributions in $K_2p \rightarrow p(K^*, \bar{K}^*)$ as Tests of Exchange Degeneracy," Lawrence Radiation Laboratory Informal Document UCID-3418 (January, 1970, unpublished).
7. "Expectations for $\rho - \omega$ Interference in the reaction $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$ at 7 GeV/c," Lawrence Radiation Laboratory Informal Document UCID-3413 (December, 1969, unpublished).
6. "Theory of $\rho - \omega$ Interference in $\pi^+\pi^-$ Production" (with A. S. Goldhaber and G. C. Fox), *Physics Letters* **30B**, 249 (1969).
5. "Charged-Pion Photoproduction and Finite-Energy Sum Rules" (with J. D. Jackson), *Physics Letters* **29B**, 236 (1969).
4. "Decays of Neutral Pseudoscalar Mesons into Lepton Pairs" (with J. D. Jackson), Lawrence Radiation Laboratory Report UCRL-18487 (1968, unpublished).

3. "Electron-Ion Bremsstrahlung from an Extreme-Relativistic Plasma," *Astrophysical Journal* 151, 1187 (1968).
2. "Relativistic Correction to Plasma Bremsstrahlung," *Physics of Fluids* 11, 461 (1968); erratum, *Physics of Fluids* 11, 1592E (1968).
1. "A Relativistic Calculation of the Bremsstrahlung Spectrum of a Maxwell-Boltzmann Plasma," Lawrence Radiation Laboratory Report UCRL-50227 (1967, unpublished).