

## PUBLICATIONS - JONATHAN L. ROSNER

### Publications in Molecular Biology

1. Limited Thymidine Uptake in E. Coli due to an Inducible Thymidine Phosphorylase, with Martin Rachmeler and John Gerhart, *Biochimica et Biophysica Acta* **49**, 222 (1961).
2. Localization of RNA Synthesis in Mengovirus-Infected L-Cells, Richard M. Franklin and Jonathan L. Rosner, *Biochim. et Biophys. Acta* **55**, 240 (1962).

### Publications in Theoretical Physics

1. Exchange of Massive Particles in the Bethe-Salpeter Equation, *J. Math. Phys.* **7**, 875 (1966).
2. Absorptive Parts and the Bethe-Salpeter Equation for Forward Scattering (with S. Nussinov), *J. Math. Phys.* **7**, 1670 (1966).
3. Sixth Order Contribution to  $Z_3$  in Finite Quantum Electrodynamics, *Phys. Rev. Letters* **17**, 1190 (1966).
4. Higher Order Contributions to the Divergent Part of  $Z_3$  in a Model Quantum Electrodynamics, *Ann. Phys. (N.Y.)* **44**, 11 (1967).
5. Possibility of Baryon-Antibaryon Enhancements with Unusual Quantum Numbers, *Phys. Rev. Letters* **21**, 950, 1468(E) (1968).
6. Energy Dependence of Total Cross Sections in the CHKN Model (with L. Horwitz), *Nuovo Cimento* **59A**, 237 (1969).
7. Graphical Form of Duality, *Phys. Rev. Letters* **22**, 689 (1969).
8. Quark Model Selection Rule for Hadron Couplings (with P.G.O. Freund and R. Waltz), *Nucl. Phys.* **B13**, 237 (1969).
9. Consistency Between Low-Energy and High-Energy Hadron Scattering, in *Proc. of Eastern Theoretical Physics Conference*, Syracuse, New York, Oct. 10-11 1969, edited by F. Rohrlich, (Syracuse University, Syracuse, N.Y., 1969), p. 231.
10. A General Treatment of  $\pi\pi \rightarrow \pi A_1$  in the Veneziano Model (with H. Suura), *Phys. Rev.* **187**, 1905 (1969).
11. Duality and Nonleptonic Decay (with S. Nussinov), *Phys. Rev. Letters* **23**, 1264 (1969).
12. Behavior of Baryon-Baryon and Baryon-Antibaryon Total Cross Sections at High Energy (with C. Rebbi and R. Slansky), *Phys. Rev.* **188**, 2367 (1969).

13.  $s$ -Channel Picture for Reggeon Couplings to Baryons, Phys. Rev. Letters **24**, 173 (1970).
14. Universal Isovector Current with Many  $1^-$  Poles (with S. Nussinov), Phys. Rev. **D1**, 656 (1970).
15. Reggeon Couplings to Baryons, Phys. Rev. **D1**, 2701 (1970).
16. Answer to “Comments on *Duality and Nonleptonic Hyperon Decay*” (with S. Nussinov), Phys. Rev. **D2**, 1354 (1970).
17. Review of Exotic Mesons, invited article in *Proceedings of the Second Philadelphia Meson Conference*, eds. C. Baltay and A. Rosenfeld, New York, Columbia University Press, 1970, p. 499.
18. Quark Graphs and Angular Distributions in Positive-Parity Meson Decays (with E. W. Colglazier), Nuclear Physics **B27**, 349 (1971).
19. Sharp States in the Spectrum of Low-Lying Mesons, Phys. Letters **33B**, 493 (1970).
20. Ninth Meson with  $J^{PC} = 1^{++}$  (with E. W. Colglazier), Phys. Rev. Lett. **26**, 933 (1971).
21. Theoretical Remarks on the  $A_2$  Meson, invited paper at the Caltech Phenomenology Conference March 25-26, 1971. Proceedings of the Conference, eds. C. B. Chiu and G. C. Fox., Caltech, 1971, p. 387.
22. The Spectrum of Low-Lying Hadron States, invited paper at the Workshop on Particle Physics at Intermediate Energies, California Institute of Technology, March 29-30, 1971. Proceedings of the Workshop, eds. R. Field and D. Lissauer, Lawrence Radiation Laboratory, University of California, 1971, p. 129.
23. Soft Pion Production in Electron-Positron Collisions (with Robert L. Goble), Phys. Rev. **D5**, 2345 (1972).
24. Resonance Physics at Very High Energy, published in *Isabelle Physics Prospects*, Brookhaven National Laboratory report BNL 17522, 1972, edited by Robert B. Palmer, p. 316. (Based on a lecture delivered at Brookhaven, July 15, 1971).
25. Duality and Exotic Mesons, lectures delivered at the Summer Institute on Duality, Louvain, Belgium, September 1971, unpublished.
26. Resonance Decays Involving Two Partial Waves (with W. P. Petersen), Phys. Rev. **D6**, 820 (1972).
27. Symmetries and Non-symmetries of the Relativistic Quark Model, Phys. Rev. **D6**, 1781 (1972).
28. Compulsory Resonance Formation, Phys. Rev. **D6**, 2717 (1972).

29. Spectroscopic Consequences of Exact Duality for Baryons, Phys. Rev. **D7**, 190 (1973).
30. Resonance Decays Involving Vector Mesons (with W. P. Petersen), Phys. Rev. **D7**, 747 (1973).
31. Symmetries Beyond SU(3), in *Proceedings of the XVI International Conference on High Energy Physics*, Chicago and Batavia, Ill., Sept. 6 - 13, 1972, edited by J. D. Jackson, A. Roberts and R. Donaldson, Batavia, National Accelerator Laboratory, 1972, vol. 1, p. 189.
32. *Higher Symmetries and Baryon Resonances*, in *Proceedings of XVI International Conference on High Energy Physics*, Chicago and Batavia, Ill., Sept. 6 - 13, 1972, edited by J. D. Jackson, A. Roberts, and R. Donaldson, Batavia, National Accelerator Laboratory, 1972, vol. 3, p. 149.
33. On Direct Measurements of the Quark Charge, with Glennys Farrar, Phys. Rev. **D7**, 2747 (1973).
34. Asymptotic Behavior of Trajectory Functions and Size of Classical Orbits, with Shau-Jin Chang, Phys. Rev. **D8**, 450 (1973).
35. Further Evidence for a **70**,  $L = 2$  Baryon Multiplet, with D. Faiman and J. Weyers, Nucl. Phys. **B57**, 45 (1973).
36. Resonances in High Energy Colliding Lepton Beams, in *Proceedings of the VIII Moriond Symposium on Electromagnetic Interactions*, March, 1973, edited by J. Tran Thanh Van(Orsay, France, 1973), p. 29; Conference Summary, p. 391.
37. Phases of Resonant Amplitudes:  $\pi N \rightarrow \pi \Delta$ , with D. Faiman, Physics Letters **45B**, 357 (1973).
38. Current Quarks, Constituent Quarks, and Symmetries of Resonance Decays, with A.J.G. Hey and J. Weyers, Nucl. Phys. **B61**, 205 (1973).
39. Hadron Spectroscopy, in *Particles and Fields - 1973* (Proceedings of the Meeting of the Division of Particles and Fields, American Physical Society, Berkeley, Calif., Aug. 13 - 17, 1973), edited by H. Bingham, M. Davies, and G. Lynch, New York, American Institute of Physics, 1973, p. 130.
40. Short-Distance Behavior of Quantum Electrodynamics and the Callan-Symanzik Equation for the Photon Propagator, with E. de Rafael, Ann. Phys. (NY) **82**, 369 (1974).
41. The Classification and Decays of Resonant Particles, Physics Reports **11C**, No. 4 (1974).
42. Leakage of Quark Charge, with Glennys Farrar, Phys. Rev. **D10**, 2226 (1974).

43. Resonance Spectroscopy (Theory), in *Proceedings of the XVII International Conference on High Energy Physics*, London, England, July 1 - 10, 1974, edited by J. R. Smith, Rutherford High Energy Laboratory, Chilton, England, 1974, pp. II-171 to II-199.
44. *Introduction to Elementary Particle Theory*, translation of a book by Y. V. Novozhilov, Oxford, Pergamon Press, 1975.
45. Search for Charm, with M. K. Gaillard and B. W. Lee, *Rev. Mod. Phys.* **47**, 277 (1975).
46. Multipole Analysis of Resonance Photoproduction, with John Babcock, *Annals of Physics (N.Y.)* **96**, 191 (1976).
47. Resonances Decaying to a Photon and a  $J(\psi)$  Particle, with John Babcock, *Phys. Rev.* **D12**, 2761 (1975).
48. Exotic  $N\bar{N}$  Resonances, in *New Directions in Hadron Spectroscopy*, (Argonne National Laboratory, July 8, 1975), edited by E. L. Berger, *et al.*, Argonne National Laboratory report ANL-HEP-CP-75-58, p. 165.
49. Remarks on the New Particles, in *Proceedings of the Annual Meeting of the Division of Particles and Fields*, American Physical Society, Seattle, Washington, August 27-29, 1975, edited by H. J. Lubatti, and P. M. Mockett, University of Washington, 1975, p. 140.
50. Symmetries, Angular Distributions in  $\psi \rightarrow \gamma\chi \rightarrow \gamma\gamma\psi$ , and the Interpretation of the  $\chi$  (3400-3550) Levels, with Gabriel Karl and Sydney Meshkov, *Phys. Rev.* **D13**, 1203 (1976).
51. Hadron Physics with Hyperon Beams, with Chris Quigg, *Phys. Rev.* **D14**, 160 (1976).
52. Radiative Transitions of Low-lying Positive Parity Mesons, with John Babcock, *Phys. Rev.* **D14**, 1286 (1976).
53. Tests for Weak Decays of Charmed Particle Candidates, with Benjamin W. Lee and Chris Quigg, *Comments on Nuclear and Particle Physics* **VIIA**, 49 (1977).
54. Charmed-baryon Interpretation of  $\bar{\Lambda}\pi^-\pi^-\pi^+$  and  $\bar{\Lambda}\pi^-\pi^-\pi^+\pi^\pm$  Peaks, with Benjamin W. Lee and Chris Quigg, *Phys. Rev.* **D15**, 157 (1977).
55. Mixing of Neutral Charmed Mesons and Tests for CP Violation in their Decays, with Maurice Goldhaber, *Phys. Rev.* **D15**, 1254 (1977).
56. Isospin Restrictions on Charge Distributions in Charmed Particle Decays, with Murray Peshkin, *Nucl. Phys.* **B122**, 144 (1977).

57. Final States in Charmed Particle Decays, in *Deeper Pathways in High-Energy Physics*, (Proceedings of Orbis Scientiae 1977) edited by Behram Kursunoglu, Arnold Perlmutter, and Linda F. Scott, New York, Plenum Press, 1977, p. 489.
58. Improved Lower Limits on Neutral Fermion Masses, *Nucl. Phys.* **B126**, 124 (1977).
59. Single Quark Transition Analysis of Baryon Resonance Photocouplings, with John Babcock, Roger Cashmore, and Anthony J. G. Hey, *Nucl. Phys.* **B126**, 87 (1977).
60. Hadronic Decays of  $\eta_c$ , with Chris Quigg, *Phys. Rev.* **D16**, 1497 (1977).
61. Hadronic Decays of Charmed Mesons, with Chris Quigg, *Phys. Rev.* **D17**, 239 (1978).
62. Quarkonium Level Spacings, with Chris Quigg, *Phys. Letters* **71B**, 153 (1977).
63. Scaling the Schrödinger Equation, with Chris Quigg, *Comments on Nuclear and Particle Physics* **8**, 11 (1978).
64. Counting Narrow Levels of Quarkonium, with Chris Quigg, *Phys. Letters* **72B**, 462 (1978).
65. Semiclassical Sum Rules, with Chris Quigg, *Phys. Rev.* **D17**, 2364 (1978).
66. Inverse Scattering Problem for Quarkonium Systems, I: One Dimensional Formalism and Methodology, with H. B. Thacker and C. Quigg, *Phys. Rev.* **D18**, 274 (1978).
67. Inverse Scattering Problem for Quarkonium Systems, II: Applications to  $\psi$  and  $\Upsilon$  Families, with H. B. Thacker and C. Quigg, *Phys. Rev.* **D18**, 287 (1978).
68. Determining the Fifth Quark's Charge: The Role of  $\Upsilon$  Leptonic Widths, with H. B. Thacker and C. Quigg, *Phys. Letters* **74B**, 350 (1978).
69. Mass Dependence of Schrödinger Wavefunctions, with C. N. Leung, *Journal of Mathematical Physics* **20**, 1435 (1979).
70. Multilepton Final States and the Weak Interactions of the Fifth Quark, with C. Quigg, *Phys. Rev.* **D19**, 1532 (1979).
71. Signs of Baryon-Resonance Photocouplings, with J. Babcock, *Phys. Rev.* **D18**, 4027 (1978).
72. New Particles-Theoretical, with J. D. Jackson and C. Quigg, in *Proceedings of the XIX International Conference on High Energy Physics*, Tokyo, August 23 - 30, 1978, ed. by S. Homma, M. Kawaguchi, and H. Miyazawa, Tokyo, Physical Society of Japan, 1979, p. 391.

73. Charmed Particle Lifetimes, in *Cosmic Rays and Particle Physics - 1978* (Bartol Conference) edited by T. K. Gaisser, New York, American Institute of Physics, 1979, p. 297.
74. Inequalities for Rates and Polarizations in Semileptonic Decays, with Warren J. Wilson, Phys. Rev. **D19**, 3308 (1979).
75. Quantum Mechanics with Applications to Quarkonium, with C. Quigg, Physics Reports **56**, 167 (1979).
76. Resource Letter on New Particles, American Journal of Physics **48**, 90 (1980).
77. Constructive Evidence for Flavor Independence of the Quark-Antiquark Potential, with C. Quigg and H. B. Thacker, Phys. Rev. **D21**, 234 (1980).
78. On the Convergence of Reflectionless Approximations to Confining Potentials, with Jonathan F. Schonfeld, Waikwok Kwong, C. Quigg, and H.B. Thacker, Ann. Phys. (N.Y.), **128**, 1 (1980).
79. Heavy Quarks and New Particles, invited talk at 1979 Meeting of the Division of Particles and Fields of the American Physical Society, October 25 - 27, Montreal, Quebec, in *Particles and Fields - 1979*, AIP Conf. Procs. No. 59, Particles and Fields Subseries No. 19, ed. by B. Margolis, American Inst. of Physics, New York, 1980, p. 325.
80. Degeneracy in One-Dimensional Quantum Mechanics, with W. Kwong, J. Schonfeld, C. Quigg and H. Thacker, Am. J. Phys. **48**, 926 (1980).
81. Semiclassical Results on Normalization of Bound State Wave Functions, with Peter Moxhay, J. Math. Phys. **21**, 1688 (1980).
82. Quark Magnetic Moments and  $E1$  Radiative Transitions in Charmonium, with Gabriel Karl and Sydney Meshkov, Phys. Rev. Letters **45**, 215 (1980).
83. Quark Models, Summer school lectures published in *Techniques and Concepts of High Energy Physics*, ed. by T. Ferbel, Plenum Press, New York, 1981, pp. 1 - 141.
84. Inverse Scattering and the  $\Upsilon$  Family, with C. Quigg, in *Proc. of the XX Int. Conf. on High Energy Physics*, Madison, Wisconsin, July 17 - 23, 1980, edited by L. Durand and L. Pondrom, American Institute of Physics, New York, 1981, p. 719.
85. Magnetic Moments of Quarks in Baryons and Mesons, in *Proc. of the XX Int. Conf. on High Energy Physics*, Madison, Wisconsin, July 17 - 23, 1980, edited by L. Durand and L. Pondrom, American Institute of Physics, New York, 1981, p. 540.
86. Decays of  $L = 1$  Mesons to  $\gamma\pi$ ,  $\gamma\rho$ , and  $\gamma\gamma$ , Phys. Rev. **D23**, 1127 (1981).

87. Further Evidence for Flavor-Independence of the Quark-Antiquark Potential, with C. Quigg, Phys. Rev. **D23**, 2625 (1981).
88. Beyond Upsilon: Heavier Quarkonia and the Interquark force, with Peter Moxhay and C. Quigg, Phys. Rev. **D23**, 2638 (1981).
89. Tests for Gluonium or Other Non- $q\bar{q}$  Admixtures in the  $f(1270)$ , Phys. Rev. **D24**, 1347 (1981).
90. Magnetic Moments of Composite Baryons, Quarks and Leptons, Prog. Theor. Phys. (Kyoto) **66**, 1422 (1981).
91. Hadron Spectra and Quarks, with S. Gasiorowicz, Am. J. Phys. **49** (10), 954 (1981).
92. Expectations for Heavy Quarkonium, in *Proceedings of the 1981 INS Symposium on Quark and Lepton Physics*, Tokyo, June 25 - 27, 1981, edited by K. Fujikawa, H. Terazawa, and A. Ukawa, Institute for Nuclear Study, Tokyo, 1981, p. 166.
93. Proton Stability, with R. Robinett, in *Neutrino 81* (Proc. of the 1981 Int. Conf. on Neutrino Physics and Astrophysics, Maui, Hawaii, July 1 - 8, 1981), edited by R. J. Cence, E. Ma, and A. Roberts, Univ. of Hawaii, Honolulu, 1981, vol. I. p. 193.
94. Prospects for a second Neutral Vector Boson at Low Mass in  $SO(10)$ , with R. Robinett, Phys. Rev. **D25**, 3036 (1982).
95. Mass Scales in Grand Unified Theories, with R. Robinett, Phys. Rev. **D26**, 2396 (1982).
96. Second  $Z$  in  $SO(10)$ , with R. Robinett, in *Quarks, Leptons and Supersymmetry* (Proceedings of the XVII Rencontre de Moriond, Les Arcs, France, March 14-20, 1982), edited by J. Tran Thanh Van, Editions Frontières, Gif-sur-Yvette, France, 1982, v. I, p. 603.
97. Composite Coordinates and Kaluza-Klein Theories, with D. B. Creamer and V. Visnjić, in *Quarks, Leptons and Supersymmetry* (Proceedings of the XVII Rencontre de Moriond, Les Arcs, France, March 14-20, 1982), edited by J. Tran Thanh Van, Editions Frontières, Gif-sur-Yvette, France, 1982, v. I, p. 611.
98. Quark Content of Neutral Mesons, Phys. Rev. **D27**, 1101 (1983).
99. Tests of a Mixing Model for Neutral  $2^+$  Mesons, with S. F. Tuan, Phys. Rev. **D27**, 1544 (1983).
100. Second-Order Fermion Masses, with C. N. Leung and R. W. Robinett, published in *Proceedings of the Neutrino Mass Mini-Conference*, Telemark, WI., Sept. 23-25, 1982, edited by Vernon Barger and David Cline, American Institute of Physics, New York, 1983, p. 202.

101. Minimally Extended Electroweak Gauge Theories in  $SO(10)$  and  $E_6$  with R. W. Robinett, published in *Proceedings of the Neutrino Mass Mini-conference*, Telemark, WI., Sept. 23-25, 1982, edited by Vernon Barger and David Cline, American Institute of Physics, New York, 1983, p. 193.
102. Relativistic Corrections in Quarkonium, with Peter Moxhay, *Phys. Rev.* **D28**, 1132 (1983).
103. Progress in the Description of Heavy Quarkonium, 1983, in *Experimental Meson Spectroscopy - 1983* (Seventh International Conference, Brookhaven), edited by S. J. Lindenbaum, American Institute of Physics, New York, 1984, p. 461.
104. Neutral Massive Leptons in an  $SO(10)$  Model with Massless Neutrinos, with C. N. Leung, *Phys. Rev.* **D28**, 2205 (1983).
105. Prospects for the Further Study of Medium Energy  $e^+e^-$  Annihilations, July, 1983, lectures delivered at Institute for High Energy Physics, Beijing, condensed and updated version published in *Comments on Nuclear and Particle Physics* **13**, 117 (1984).
106. Magnetic Monopoles with  $Z_n$  Charges with Erick J. Weinberg and David London, *Nucl. Phys.* **B236**, 90 (1984).
107. Hadronic Remnants in  $W$  and  $Z$  Production, *Phys. Rev.* **D29**, 2132 (1984).
108. Improved Prospects for a Second Neutral Vector Boson at Low Mass in  $SO(10)$ , with C. N. Leung, *Phys. Rev.* **D29**, 2132 (1984).
109. Extending Limits on Neutral Heavy Leptons, with M. Gronau and C. N. Leung, *Phys. Rev.* **D29**, 2539 (1984).
110. Forward-Backward Asymmetries in  $W$  and  $Z$  Decays, with Paul Langacker and Richard W. Robinett, in *Proceedings of the DPF Workshop on  $p\bar{p}$  Options for the Super Collider*, University of Chicago, Feb. 13-17, 1984, edited by J. R. Pilcher and A. R. White (Argonne National Lab., and Univ. of Chicago, 1984), p. 202.
111. New Heavy Gauge Bosons in  $pp$  and  $p\bar{p}$  Collisions, with Paul Langacker and Richard W. Robinett, *Phys. Rev.* **D30**, 1470 (1984).
112. Neutral Lepton Candidate in  $e^+e^-$  Interactions, *Nucl. Phys.* **B248**, 503 (1984).
113. Quarks Decaying to Real  $W$  Bosons, *Phys. Lett.* **146B**, 108 (1984).
114. Events with Jet + (Missing Energy) as Pairs of New Neutral Leptons, with M. Gronau, *Phys. Lett.* **147B**, 217 (1984).
115. Capabilities of  $e^+e^-$  Collisions for Producing Very Heavy Higgs Bosons, with S. Dawson, *Phys. Lett.* **148B**, 497 (1984).



116. The Production and Decay of Heavy Gauge Bosons in  $p\bar{p}$  and  $pp$  Collisions, with P. Langacker and R. Robinett, in *Proceedings of the 1984 Summer Study on the Design and Utilization of the Superconducting Super Collider*, June 23-July 13, 1984, Snowmass, Colorado, edited by Rene Donaldson and Jorge G. Morfin, Fermilab, Batavia, IL, 1984, p. 812.
117. Nonstandard Models of Neutral Currents (a) Condensed version: in Proc. of the XXII Int. Conf. on High Energy Physics, Leipzig, July 17-25, 1984, edited by A. Meyer and E. Wieczorek, Akad. Wiss. DDR. Zeuthen, 1984, v. I, p. 236. (b) Comments on Nuclear and Particle Physics **14**, 229 (1985).
118. Toponium Predictions from an Interquark Potential with Relativistic Corrections, with Peter Moxhay, Phys. Rev. **D31**, 1762 (1985).
119. Interpretation of Unusual Events from CERN and DESY, with L. J. Hall and R. L. Jaffe. (a) Condensed version: in *Proceedings of the 1984 Summer Study on the Design and Utilization of the Superconducting Super Collider*, June 23-July 13, 1984, Snowmass, Colorado, edited by Rene Donaldson and Jorge G. Morfin, Fermilab, Batavia, IL, 1984, p. 812. (b) Physics Reports **125**, 103 (1985).
120. Spin Dependent Forces in Quark Models, in *Proceedings of the Sixth International Symposium on High Energy Spin Physics*, Marseille, Sept. 12-19, 1984, edited by J. Soffer, Les editions de Physique, Les Ulis, France, J. Phys. **46**, Colloque C2, Suppl. no. 2, Feb. 1985, p. C2-77.
121. Comparison of Beam-Dump and Vector Boson Decay Production of New Neutral Heavy Leptons, Phys. Rev. **D31**, 2372 (1985).
122. Binding Effects and a Sum Rule in  $Q\bar{Q}$  Radiative Decays, with J. D. Jackson, Phys. Lett. **152B**, 247 (1985).
123. Are Monojets Due to Unusual  $Z^0$  Decays? Phys. Lett. **154B**, 86 (1985).
124. Searching for New Neutral Particles, in Flavour Mixing and CP Violation, Fifth Moriond Workshop, La Plagne, France, Jan. 13-19, 1985, edited by J. Tran Thanh Van, Editions Frontières, Gif-sur-Yvette, France, 1985, p. 409.
125.  $E_6$  and Exotic Fermions, Comments on Nuclear and Particle Physics **15**, 195 (1986).
126. Constituent-Quark Description of Nonleptonic Hyperon Decays, with Dan-di Wu, Phys. Rev. **D33**, 1367 (1986).
127. Heavy Quark Spectroscopy, in *Proceedings of the Int. Symposium on Lepton and Photon Interactions at High Energies*, Kyoto, Aug. 19-24, 1985, edited by M. Konuma and K. Takahashi (Kyoto University, Kyoto, 1986), p. 448.

128. Supersymmetric Quantum Mechanics and Inverse Scattering, with Waikwok Kwong, *Prog. Theor. Phys. (Suppl.)* **86**, 366 (1986). (Festschrift volume in honor of Y. Nambu).
129.  $SU(3)$  Breaking and the  $H$  Dibaryon, *Phys. Rev.* **D33**, 2043 (1986).
130.  $P$ -Wave Mesons with One Heavy Quark, *Comments on Nuclear and Particle Physics* **16**, 109 (1986).
131. Signatures of Exotic Fermions and Other New “Low-Energy” Phenomena in Superstring  $E_6$ , published in *Proceedings of the International Symposium on Particle and Nuclear Physics*, Beijing, Sept. 2-7, 1985, edited by Hu Ning and Wu Chong-shi (World Scientific, Singapore, 1986), p. 196.
132. Time-Dependent CP Violation Effects in  $B^0 - \bar{B}^0$  Systems, with Isard Dunietz, *Phys. Rev.* **D34**, 1404 (1986).
133. Extra Gauge Bosons in  $E_6$ , with David London, *Phys. Rev.* **D34**, 1530 (1986).
134. Sextet Quarks and Light Pseudoscalars, with T. E. Clark, C. N. Leung, and S. T. Love, *Phys. Lett.* **177B**, 413 (1986).
135. Production, Decays, and Forward-Backward Asymmetries of Extra Gauge Bosons in  $E_6$ , with V. Barger, N. G. Deshpande, and K. Whisnant, *Phys. Rev.* **D35**, 2893 (1987).
136. (a) Can we Do Fundamental Particle Physics without the SSC? in *Proceedings of the 1986 Summer Study on the Physics of the Superconducting Super Collider*, Snowmass Colo., June 23 - July 11, 1986, edited by R. Donaldson and J. N. Marx (Div. of Particles and Fields, APS, Berkeley, Calif., 1987), p. 617. (b) Fundamental Particle Physics without Accelerators, *Comments on Nuclear and Particle Physics* **17**, 93 (1987).
137. (a) New Contributions to Forward-Backward Asymmetries in Hadronic Lepton Pair Production, *Proceedings of the 1986 Summer Study on the Physics of the Superconducting Super Collider*, Snowmass Colo., June 23 - July 11, 1986, edited by R. Donaldson and J. N. Marx (Div. of Particles and Fields, APS, Berkeley, Calif., 1987), p. 213. (b) Off-Peak Lepton Asymmetries From New  $Z$ 's, *Phys. Rev.* **D35**, 2244 (1987).
138. SSC Muon Detector Group Report, with D. Carlsmith, D. Groom, D. Hedin, T. Kirk, T. Ohsugi, D. Reeder, and S. Wojcicki, *Proceedings of the 1986 Summer Study on the Physics of the Superconducting Super Collider*, Snowmass, Colo., June 23 - July 11, 1986, edited by R. Donaldson and J. N. Marx (Div. of Particles and Fields, APS, Berkeley, Calif., 1987), p. 405.
139. Summary, Small Angle Spectrometers, with E. Courant, K. Foley, P. Schlein, J. Slaughter, C. Bromberg, L. Jones, A. Garren, D. Groom, and D. Johnson,

- Proceedings of the 1986 Summer Study on the Physics of the Superconducting Super Collider*, Snowmass Colo., June 23 - July 11, 1986, edited by R. Donaldson and J. N. Marx, (Div. of Particles and Fields, APS, Berkeley, Calif., 1987), p. 459.
140. Proposed Experiment Addressing CP and CPT Violation in the  $K^0 - \bar{K}^0$  System, with I. Dunietz and J. Hauser, *Phys. Rev.* **D35**, 2166 (1987).
  141. Heavy Quark Systems, with Waikwok Kwong and C. Quigg, *Ann. Rev. Nucl. Part. Sci.* **37**, 325 (1987).
  142. Quark Mixing and CP Violation, in *Proceedings of the Salt Lake City Meeting* (Division of Particles and Fields, American Physical Society, Salt Lake City, Utah, Jan. 14-17, 1987) edited by C. de Tar and J. S. Ball (World Scientific, Singapore, 1987), p. 59.
  143. Grand Unified Theories - An Update, in *Selected Topics in Electroweak Interactions* (Proceedings of the Second Lake Louise Winter Institute on New Frontiers in Particle Physics, Chateau Lake Louise, Canada, Feb. 15-21, 1987), edited by J. M. Cameron *et al.* (World Scientific, Singapore, 1987), p. 91.
  144. Neutrino Mass Limits from SN 1987A, with W. David Arnett, *Phys. Rev. Lett.* **58**, 1906 (1987).
  145. Hadron Spectroscopy in 1987 and Beyond, in *Proceedings of the Second International Conference on Hadron Spectroscopy*, April 16-18, 1987, KEK, Tsukuba, Japan, edited by Y. Oyanagi, K. Takamatsu, and T. Tsuru (National Laboratory for High Energy Physics, Tsukuba, Japan, 1987), p. 395.
  146. Quarkonium Annihilation Rates, with Waikwok Kwong, Paul B. Mackenzie and Rogerio Rosenfeld, *Phys. Rev.* **D37**, 3210 (1988).
  147. Charmless B Decays Involving Baryons, with Michael Gronau, *Phys. Rev.* **D37**, 688 (1988).
  148. An Introduction to Standard Model Physics, in *The Santa Fe TASI-87* (Proceedings of the 1987 Theoretical Advanced Study Institute, St. John's College, Santa Fe, NM, July 6-10, 1987), edited by Richard Slansky and Geoffrey West (World Scientific, Singapore, 1988), p. 3.
  149. Baryon Magnetic Moments in the Quark Model - a Status Report, with Lee Brekke, *Comments on Nuclear and Particle Physics*, **18**, 83 (1988).
  150. D-wave Quarkonium Levels of the  $\Upsilon$  Family, with Waikwok Kwong, *Phys. Rev.* **D38**, 279 (1988).
  151. B Meson Decay Asymmetry and  $B - \bar{B}$  Mixing, with C. Hamzaoui and A. I. Sanda, in *Proceedings of the Workshop on High Sensitivity Beauty Physics at Fermilab*, Fermilab, Nov. 11-14, 1987, edited by A. J. Slaughter, N. Lockyer, and M. Schmidt (Fermilab, Batavia, IL, 1988), p. 215.

152. B Physics Working Group Summary, with Michael P. Schmidt and Anthony I. Sanda, in *Proceedings of the Workshop on High Sensitivity Beauty Physics at Fermilab*, (see Ref. 151), p. 165.
153. Substructure of the Strongly Interacting Higgs Sector, with Rogerio Rosenfeld, *Phys. Rev.* **D38**, 1530 (1988).
154. The Reaction  $\gamma\gamma \rightarrow \pi\pi$  at Low Energy, with Robert L. Goble and Rogerio Rosenfeld, *Phys. Rev.* **D39**, 3264 (1989).
155. Pion Pair Production by Two Photons at Low Energy, with Robert L. Goble and Rogerio Rosenfeld, in *Proceedings of the VIII International Workshop on Photon-Photon Collisions*, Shores, Jerusalem Hills, Israel, April 24-28, 1988, edited by U. Karshon (World Scientific, Singapore, 1988), p. 35.
156. What Happens when Electroweak Interactions Become Strong? with Rogerio Rosenfeld, in *Proceedings of the VIII International Workshop on Photon-Photon Collisions*, Shores, Jerusalem Hills, Israel, April 24-28, 1988, edited by U. Karshon (World Scientific, Singapore, 1988), p. 137.
157. Reflectionless Symmetric Potentials from Vertex Operators, with Waikwok Kwong, Harold Riggs, and H. B. Thacker, *Phys. Rev.* **D39**, 1242 (1989).
158. Heavy Flavor Theory, in *Particles and Fields 3* (Proceedings of the Banff Summer Institute (CAP) 1988), edited by A. N. Kamal and F. C. Khanna (World Scientific, Singapore, 1989), p. 395.
159. CP Asymmetries in Charmless Baryonic Decays of Charged B Mesons, with Gad Eilam and Michael Gronau, *Phys. Rev. D* **39**, 819 (1989).
160. Instantons and Baryon Mass Splittings, with E. V. Shuryak, *Physics Letters* **B218**, 72 (1989).
161. Lepton Pairs from Heavy Quarks Produced in Hadron Colliders, with Waikwok Kwong and Lynne H. Orr, *Phys. Rev.* **D40**, 1453 (1989).
162. Aspects of Top Quark Searches in TeV Hadron Collisions, *Phys. Rev.* **D39**, 3297 (1989); **40**, 1701(E) (1989).
163. Observability of Charge Asymmetries for Lepton Pairs Produced in Present Collider Experiments, *Physics Letters* **B221**, 85 (1989).
164. Direct Photon Searches as Tests for Unconventional High-Energy Electroweak Interactions, with Leo Stodolsky, *Phys. Rev.* **D40**, 1676 (1989).
165. Pion Pair Contribution to the Decay  $K_L \rightarrow \pi^0\gamma\gamma$ , with Pyungwon Ko, *Phys. Rev.* **D40**, 3775 (1989).
166. Reflectionless Approximations to Potentials with Band Structure, *Annals of Physics* **200**, 101 (1990).

167. Physics at Fermilab in the 1990's: Workshop Summary, in *Proceedings of the Workshop on Physics at Fermilab in the 1990's*, Breckenridge, Colorado, August, 1989, edited by D. Green and H. J. Lubatti (World Scientific, Singapore, 1990), p. 15.
168. Impact of New  $|V_{ub}/V_{cb}|$  and  $\epsilon'/\epsilon$  Measurements on Weak Mixing Angles, with C. S. Kim and C. P. Yuan, *Phys. Rev. D* **42**, 96 (1990); **45**, 389(E) (1992).
169. Comment on "Two-Angle Parametrization of the Kobayashi-Maskawa Matrix", *Phys. Rev. Lett.* **64**, 2590 (1990).
170. Particle Physics at the Crossroads, in *Trends in Theoretical Physics*, Vol. 2, edited by P. J. Ellis and Y. C. Tang (Addison-Wesley, Redwood City, CA, 1990), p. 141.
171. Some Signatures of Right-Handed  $W$  Bosons at Hadron Colliders, with E. Takasugi, *Phys. Rev. D* **42**, 241 (1990).
172. Radiative Corrections and Electroweak Observables, *Phys. Rev. D* **42**, 3107 (1990).
173. Comparison of Top Quark Hadronization and Decay Rates, with Lynne H. Orr, *Phys. Lett. B* **246**, 221 (1990); **248**, 474(E) (1990).
174. Determination of Pseudoscalar Charmed Meson Decay Constants from B Meson Decays, *Phys. Rev. D* **42**, 3732 (1990).
175. Atomic Parity Violation as a Probe of New Physics, with William J. Marciano, *Phys. Rev. Lett.* **65**, 2963 (1990); **68**, 898(E) (1992).
176. Heavy Quarks, Quark Mixing, and CP Violation, in *Testing the Standard Model* (Proceedings of the 1990 Theoretical Advanced Study Institute in Elementary Particle Physics, Boulder, Colorado, 3-27 June 1990), edited by M. Cvetič and P. Langacker (World Scientific, Singapore, 1991), p. 91.
177. Masses of New Particles Containing  $b$  Quarks, with Waikwok Kwong, *Phys. Rev. D* **44**, 212 (1991).
178. Tests of a Composite Model of Quarks and Leptons, with Davison E. Soper, *Phys. Rev. D* **45**, 3206 (1992).
179. Determining Heavy Meson Decay Constants, in *Research Directions for the Decade* (Proceedings of the 1990 Summer Study on High Energy Physics, June 25 - July 13, 1990, Snowmass, Colorado), edited by E. L. Berger (World Scientific, Singapore, 1992), p. 255.
180. Non- $B\bar{B}$  Decays of the  $\Upsilon(4S)$ , in *Research Directions for the Decade* (Proceedings of the 1990 Summer Study on High Energy Physics, June 25 - July 13, 1990, Snowmass, Colorado), edited by E. L. Berger (World Scientific, Singapore, 1992), p. 268.

181. Adler-Weisberger Relation for Scattering of Longitudinal  $W$  Bosons (with Rogelio Rosenfeld), *Phys. Rev. D* **44**, 2133 (1991).
182. Status of Precise Tests of the Electroweak Theory, in *IV Mexican School of Particles and Fields*, Oaxtepec, Mexico, 3-14 December 1990, edited by J. L. Lucio M. and A. Zepeda (World Scientific, Singapore, 1992), p. 355.
183. Probing New Physics with Precise Electroweak Tests, in *Intersections between Particle and Nuclear Physics*, Proceedings of 4<sup>th</sup> Conference, Tucson, AZ, May 24-29, 1991, edited by W. T. H. van Oers (AIP, New York, 1992), p. 156.
184. Resolving Ambiguity in CP Violation Parameters, with Geoffrey R. Harris, *Phys. Rev. D* **45**, 946 (1992).
185. The Densities of Meson and Baryon States, with Peter G. O. Freund, *Phys. Rev. Letters* **68**, 768 (1992).
186. New Vector-Like Interactions: Constraints from Kaon Physics and from  $\mu \rightarrow e\gamma$ , with Gerard Jungman, *Phys. Lett. B* **277**, 177 (1992).
187. The Cabibbo-Kobayashi-Maskawa Matrix, in *B Decays*, edited by Sheldon L. Stone (World Scientific, Singapore, 1991), p. 312.
188. The CKM Matrix and B Physics, invited talk published in *Proceedings of the Workshop on b-Phenomenology*, Edinburgh, Dec. 8-14, 1991, *J. Phys. G* **18**, 1575 (1992).
189. Ratios of Observables for  $B$  Mesons, with Paul F. Harrison, in *Proceedings of the Workshop on b-Phenomenology*, Edinburgh, Dec. 8-14, 1991, *J. Phys. G* **18**, 1673 (1992).
190. The Smith Chart and Quantum Mechanics, *Am. J. Phys.* **61**, 310 (1993).
191. Models of the Quark Mixing Matrix, with Mihir Worah, *Phys. Rev. D* **46**, 1131 (1992). Abridged version: Model of the Quark Mixing Matrix, with Mihir Worah, in *The Fermilab Meeting: DPF '92* (Proceedings of the 1992 Meeting of the Division of Particles and Fields, American Physical Society, Fermilab, 10-14 November 1992), edited by C. Albright *et al.* (World Scientific, Singapore, 1993), p. 1209.
192. Electroweak Measurements and the Top Quark, *Rev. Mod. Phys. (Colloquia)* **64**, 1151 (1992). Abridged and updated version: Electroweak Measurements and Top Quark Mass Limits, in *The Fermilab Meeting: DPF '92* (see Ref. 191), p. 352.
193. Heavy Quark Symmetry Violation in Semileptonic Decays of  $D$  Mesons, with James F. Amundson, *Phys. Rev. D* **47**, 1951 (1993). Abridged version: Semileptonic Decays of  $D$  Mesons and the Heavy Quark Effective Theory, with James F. Amundson, in *The Fermilab Meeting: DPF '92* (see Ref. 191), p. 607.

194. Dipole Transition Matrix Elements for Systems with Power Law Potentials, with Aaron Grant, Phys. Rev. D **46**, 3862 (1992). Abridged version: Quarkonium and Power Law Potentials, with Aaron Grant, in *The Fermilab Meeting: DPF '92* (see Ref. 191), p. 511.
195. Meson Decay Constants from Isospin Splittings in the Quark Model, with James F. Amundson, Michael A. Kelly, Nahmin Horwitz, and Sheldon L. Stone, Phys. Rev. D **47**, 3059 (1993).
196. Test of a Model of Right-Handed  $b$  Quark Decays, with James F. Amundson, Mihir Worah, and Mark Wise, Phys. Rev. D **47**, 1260 (1993). Abridged version: Test for Right-Handed  $b$  Quark Decays, with James F. Amundson, Mihir Worah, and Mark Wise, in *The Fermilab Meeting: DPF '92* (see Ref. 191), p. 666.
197. Meson Masses from SU(3) and Heavy-Quark Symmetry, with Mark B. Wise, Phys. Rev. D **47**, 343 (1993).
198. An Updated Description of Quarkonium by Power-Law Potentials, with Aaron K. Grant and Eric Rynes, Phys. Rev. D **47**, 1981 (1993). Abridged version: see item 194, above.
199. Method for Detecting the Decay  $D \rightarrow \mu\nu$ , Phys. Rev. D **47**, 3057 (1993).
200. Radiative  $D^*$  Decay Using Heavy Quark and Chiral Symmetry, with James F. Amundson, C. Glenn Boyd, Elizabeth Jenkins, Michael Luke, Aneesh V. Manohar, Martin J. Savage, and Mark B. Wise, Phys. Lett. B **296**, 415 (1992).
201. Method for Flavor Tagging in Neutral  $B$  Meson Decays, with Michael Gronau and Alex Nippe, Phys. Rev. D **47**, 1988 (1993).
202. Heavy Meson Masses and Decay Constants, in *The Fermilab Meeting: DPF '92* (see Ref. 191), p. 658.
203. Classical Orbits in Power-Law Potentials, with Aaron K. Grant, Am. J. Phys. **62**, 310 (1994).
204. Sensitivity of Electroweak Parameters to the Top Quark and Higgs Boson Masses, in *Discovery of Weak Neutral Currents: The Weak Interaction Before and After* (Proceedings of the International Symposium on 30 Years of Neutral Currents, Santa Monica, Calif., February 3-5, 1993), edited by A. K. Mann and D. B. Cline (AIP, New York, 1994), p. 326.
205. Supersymmetric Quantum Mechanics and the Korteweg-de Vries Hierarchy, with Aaron K. Grant, J. Math. Phys. **35**, 2142 (1994).
206. Oblique Corrections to the  $W$  Width, with Mihir P. Worah and Tatsu Takeuchi, Phys. Rev. D **49**, 1363 (1994).

207. Identification of Neutral  $B$  Mesons Using Correlated Hadrons, with Michael Gronau, Phys. Rev. D **49**, 254 (1994).
208. Framework for Identification of Neutral  $B$  Mesons, with Michael Gronau, Phys. Rev. Lett. **72**, 195 (1994).
209. Flavor Identification of Neutral  $B$  Mesons Using Correlated Pions, with Michael Gronau, in *Proceedings of the Workshop on B Physics at Hadron Accelerators, Snowmass, CO, June 21 - July 2, 1993*, edited by C. S. Mishra and P. McBride (Fermilab, Batavia, IL, 1994), p. 701.
210. The Cabibbo-Kobayashi-Maskawa Matrix, in *B Decays*, 2nd edition, edited by Sheldon Stone (World Scientific, Singapore, 1994), p. 470.
211. Elementary Particle Physics in the Second Half of the Twentieth Century, with Val L. Fitch, in *Twentieth Century Physics*, edited by L. M. Brown, A. Pais, and B. Pippard (IOP/AIP, 1995), vol. 2, p. 635.
212. Decays of  $B$  Mesons to Two Light Pseudoscalars, with Michael Gronau, Oscar F. Hernández, and David London, Phys. Rev. D **50**, 4529 (1994).
213. Weak Coupling Phase from Decays of Charged  $B$  Mesons to  $\pi K$  and  $\pi\pi$ , with Michael Gronau and David London, Phys. Rev. Lett. **73**, 21 (1994).
214. Measuring Strong and Weak Phases in Time-Independent  $B$  Decays, with Oscar F. Hernández, David London, and Michael Gronau, Phys. Lett. B **333**, 500 (1994).
215. CKM Matrix Elements: Magnitudes, Phases, Uncertainties, in *Proceedings of the 2nd IFT Workshop on Yukawa Couplings and the Origins of Mass*, Gainesville, FL, 11–13 Feb. 1994, edited by P. Ramond (International Press, 1996), pp. 273–293.
216. Our Present Understanding of CP Violation, invited talk published in *PASCOS 94* (Proceedings of the Fourth International Conference on Particles, Strings, and Cosmology, Syracuse University, Syracuse, NY, May 19–24, 1994), edited by K. C. Wali (World Scientific, Singapore, 1995), p. 37.
217. What Charm Can Tell Us About Beauty, Enrico Fermi Institute Report 94-33, hep-ph/9407256, invited talk presented at CHARM 2000 Workshop, Fermilab, June 7-9, 1994, published in *The Future of High-Sensitivity Charm Experiments*, edited by D. M. Kaplan and S. Kwan, Fermilab report FERMILAB-CONF-94/190 (Fermilab, Batavia, IL, 1994), p. 297.
218. Status of the Standard Model, invited talk published in *The Albuquerque Meeting* (Proceedings of the 8th Meeting, Division of Particles and Fields of the American Physical Society, Aug. 2–6, The University of New Mexico), edited by S. Seidel (World Scientific, Singapore, 1995), p. 321.



219. Isospin Considerations in Correlations of Pions and  $B$  Mesons, with Isard Dunitz, Phys. Rev. D **51**, 2471 (1995).
220. An Analysis of Non-Oblique Corrections to the  $Zb\bar{b}$  Vertex, with Aaron K. Grant and Tatsu Takeuchi, presented by T. Takeuchi at DPF 94 Meeting and published in *The Albuquerque Meeting* (Proceedings of the 8th Meeting, Division of Particles and Fields of the American Physical Society, Aug. 2–6, The University of New Mexico), edited by S. Seidel (World Scientific, Singapore, 1995), p. 1231.
221. Overview of the Standard Model, invited talk published in *Physics from Planck Scale to Electroweak Scale* (Proceedings of the US – Polish Workshop, Warsaw, Poland, 21 – 24 Sept., 1994), edited by P. Nath, T. Taylor, and S. Pokorski (World Scientific, Singapore, 1995), p. 1.
222. Charm and Beauty in Particle Physics, Comments on Nuclear and Particle Physics **21**, 369 (1995). Presented at CERN on September 28, 1994 at a symposium in honor of André Martin’s retirement.
223. Decays of  $B$  Mesons to Two Pseudoscalars in Broken SU(3) Symmetry, with Michael Gronau, O. F. Hernández, and D. London, Phys. Rev. D **52**, 6356 (1995).
224. Electroweak Penguins and Two-Body  $B$  Decays, with Michael Gronau, O. F. Hernández, and D. London, Phys. Rev. D **52**, 6374 (1995).
225. Spacings of Quarkonium Levels with the Same Principal Quantum Number, with Aaron K. Grant, André Martin, Jean-Marc Richard, and Joachim Stubbe, Phys. Rev. D **53**, 2742 (1996).
226.  $B$  Physics: Theoretical Aspects, in *Proceedings of the 10th Topical Workshop on Proton-Antiproton Collider Physics*, Fermilab, May 9–13, 1995, AIP Conference Proceedings 357, edited by R. Raja and J. Yoh (AIP, Woodbury, NY, 1996), p. 165.
227. Present and Future Aspects of CP Violation, in *VIII J. A. Swieca Summer School on Particles and Fields*, Rio de Janeiro, Brazil, Feb. 5–18, 1995, edited by J. Barcelos-Neto, S. F. Novaes, and V. O. Rivelles (World Scientific, Singapore, 1996), p. 116.
228. Impact of Atomic Parity Violation Measurements on Precision Electroweak Physics, Phys. Rev. D **53**, 2724 (1996).
229. Charmed Baryons with  $J = 3/2$ , Phys. Rev. D **52**, 6461 (1995).
230. Detection of the RF Pulse Associated with Cosmic Ray Air Showers, Enrico Fermi Institute Report 95-50, hep-ex/9508011, Appendix to proposal for the Auger Air Shower Array. Updated version: Enrico Fermi Institute Report 97-10, hep-ex/9702008.

231. Table-Top Time-Reversal Violation, Enrico Fermi Institute Report 95-51, hep-ph/9508298, Am. J. Phys. **64** (8), 982 (1996).
232. Determining the Weak Phase  $\gamma$  from Charged  $B$  Decays, with Michael Gronau, Phys. Rev. D **53**, 2516 (1996).
233. Amplitude Relations for  $B$  Decays Involving  $\eta$  and  $\eta'$ , with A. Dighe and M. Gronau, Phys. Lett. B **367**, 357 (1996); **377**, 325(E) (1996).
234. Angular Distributions and Lifetime Differences in  $B_s \rightarrow J/\psi\phi$  Decays, with Amol S. Dighe, Isard Dunietz and Harry J. Lipkin, Phys. Lett. B **369**, 144 (1996).
235. Determining the Cabibbo-Kobayashi-Maskawa Unitarity Triangle from  $B$  Decays to Charged Pions and Kaons, with Michael Gronau, Phys. Rev. Lett. **76**, 1200 (1996).
236. Forward-Backward Asymmetries in Hadronically Produced Lepton Pairs, Phys. Rev. D **54**, 1078 (1996).
237. Enhancement of the  $\Lambda_b$  Decay Rate, Phys. Lett. B **379**, 267 (1996).
238.  $V_{td}$  from Hadronic Two-Body  $B$  Decays, with Michael Gronau, Phys. Lett. B **376**, 205 (1996).
239. Weak Phases from  $B$  Decays to Kaons and Charged Pions, with Amol S. Dighe and Michael Gronau, Phys. Rev. D **54**, 3309 (1996).
240. Two Topics in  $b$  Physics, in *Les Rencontres de Physique de la Vallée d'Aoste (Results and Perspectives in Particle Physics)*, edited by M. Greco, La Thuile, Aosta Valley, March 3–9, 1996 (INFN Laboratori Nazionali di Frascati, Frascati, Italy, 1996), p. 219.
241. Critical Spacing for Heavy Quarkonium Dissociation, Phys. Lett. B **385**, 293 (1996).
242. Experimental Projects in Graduate Theoretical Physics Courses, Am. J. Phys. **64** (10), 1231 (1996).
243. Discrete Ambiguities in Extracting Weak Phases from  $B$  Decays, with Amol S. Dighe, Phys. Rev. D **54**, 4677 (1996).
244. Prominent Decay Modes of a Leptophobic  $Z'$ , Phys. Lett. B **387**, 113 (1996).
245.  $E_6$  Interpretation of an  $e^+e^-\gamma\gamma\cancel{E}_T$  Event, Phys. Rev. D **55**, 3143 (1997).
246. Top Quark Mass, lectures given at Cargèse Summer Institute, August, 1996, Enrico Fermi Institute Report 96-34, hep-ph/9610222, published in *Masses of Fundamental Particles - Cargèse 1996*, edited by M. Lévy *et al.* (Plenum, New York, 1997), NATO ASI Ser. B 363, p. 43.

247. CKM Matrix and Standard-Model CP Violation, Invited Talk at Fourth KEK Topical Conference on Flavour Physics, 29–31 October 1996, Nucl. Phys. B (Proc. Suppl.) **59**, 1 (1997).
248. Annihilation, Rescattering, and CP Asymmetries in  $B$  Meson Decays, with Boris Blok and Michael Gronau, Phys. Rev. Lett. **78**, 3999–4002 (1997); **79**, 1167 (1997).
249. New Developments in Precision Electroweak Physics, Comments on Nuclear and Particle Physics **22**, 205 (1998).
250. Improved Tests of Relations for Baryon Isomultiplet Splittings, Phys. Rev. D **57**, 4310–4317 (1998).
251.  $B$  Decays Involving  $\eta$  and  $\eta'$  in the Light of the  $B \rightarrow K\eta'$  Process, with Amol S. Dighe and Michael Gronau, Phys. Rev. Lett. **79**, 4333 (1997).
252.  $B$  Decays to Charmless  $VP$  Final States, with Amol S. Dighe and Michael Gronau, Phys. Rev. D **57**, 1783 (1998).
253. Weak Phase  $\gamma$  From Ratio of  $B \rightarrow K\pi$  Rates, with Michael Gronau, Phys. Rev. D **57**, 6843 (1998).
254.  $B$  Physics – A Theoretical Review, presented at Beauty '97 - Fifth International Workshop on  $B$ -Physics at Hadron Colliders, UCLA, October 13–17, 1997, Nuclear Instruments and Methods A **408**, 308 (1998).
255. Report of the NSF Elementary Particle Special Emphasis Panel on  $B$  Physics, with P. Burchat, J. Butler, R. Cahn, P. Fisher, N. Hadley, J. Kroll, R. Patterson, and R. Schwitters, Lawrence Berkeley Laboratory, June, 1998.
256. Rescattering Information from  $B \rightarrow K\bar{K}$  Decays, with Michael Gronau, Phys. Rev. D **58**, 113005 (1998).
257. Final State Interaction Effects on  $\gamma$  from  $B \rightarrow DK$ , with Michael Gronau, Phys. Lett. B **439**, 171–175 (1998).
258. New Bound on  $\gamma$  from  $B^\pm \rightarrow \pi K$  Decays, with Matthias Neubert, Phys. Letters B **441**, 403–409 (1998).
259. Determination of the Weak Phase  $\gamma$  from Rate Measurements in  $B^\pm \rightarrow \pi K, \pi\pi$  Decays, with Matthias Neubert, Phys. Rev. Lett. **81**, 5076–5079 (1998).
260. Lattice QCD and Heavy Quarks, Enrico Fermi Institute Report 98-45, hep-ph/9809545, in *Lattice '98* (Proceedings of the XVIth International Symposium on Lattice Field Theory, Boulder, Colorado, USA, 13–18 July 1998), edited by T. DeGrand, C. DeTar, R. Sugar, and D. Toussaint, Nucl. Phys. B (Proc. Suppl.) **73**, 29–42 (1999).

261. Combining CP Asymmetries in  $B \rightarrow K\pi$  Decays, with Michael Gronau, Phys. Rev. D **59**, 113002 (1999).
262. The Arrival of Charm, in *Heavy Quarks at Fixed Target*, Batavia, IL 1998, AIP Conference Proceedings No. 459, edited by H. W. K. Cheung and J. N. Butler (AIP, Woodbury, NY, 1999), pp. 9–27, hep-ph/9811359.
263. Explorations of Compositeness, Enrico Fermi Institute Report 98-60, hep-ph/9812357, Comments on Nuclear and Particle Physics, Comments on Modern Physics **1** (3), Part A, 11–29 (1999).
264. Particles in Loops – From Electrons to Top Quarks, Enrico Fermi Institute Report 99-07, hep-ph/9903219, published by the Japan Physical Society in a memorial collection for Hiroshi Suura.
265. Large Final-State Phases in Heavy Meson Decays, Enrico Fermi Institute Report 99-10, hep-ph/9903543, Phys. Rev. D **60**, 074029 (1999).
266. Final-State Phases in Two-Body Nonleptonic Charmed Meson Decays, Enrico Fermi Institute Report 99-20, hep-ph/9905366, Phys. Rev. D **60**, 114026 (1999).
267. Splitting Between Up-type and Down-type Quark Masses Via Mixing With Exotic Fermions in  $E_6$ , Enrico Fermi Institute Report 99-33, hep-ph/9907438, Phys. Rev. D **61**, 097303 (2000).
268. Atomic Parity Violation and Precision Electroweak Physics – An Updated Analysis, Enrico Fermi Institute Report 99-34, July, 1999, hep-ph/9907524, Phys. Rev. D **61**, 016006 (2000).
269. New Information on  $B$  Decays to Charmless  $VP$  Final States, with Michael Gronau, Enrico Fermi Institute Report 99-40, hep-ph/9909478, Phys. Rev. D **61**, 073008 (2000).
270. Classical Illustrations of CP Violation in Kaon Decays, with Scott Slezak, December, 1999, Enrico Fermi Institute Report 99-51, hep-ph/9912506, Am. J. Phys. **69**, 44–49 (2001).
271. The Role of  $B_s \rightarrow K\pi$  in Determining the Weak Phase  $\gamma$ , with Michael Gronau, Enrico Fermi Institute Report 2000-8, hep-ph/0003119, Phys. Lett. B **482**, 71–76 (2000).
272. CP Violation – A Brief Review, invited talk presented at 2nd Tropical Workshop in Particle Physics and Cosmology, San Juan, Puerto Rico, May 1–6, 2000, Enrico Fermi Institute Report 2000-16, hep-ph/0005258, in *Particle Physics and Cosmology: 2nd Tropical Workshop*, edited by Jose F. Nieves (New York, American Institute of Physics, 2000), pp. 283–304.
273. *Kaon Physics* (Proceedings of *Kaon 99* Conference, Chicago, Illinois, 21–26 June 1999), co-editor with Bruce Winstein, University of Chicago Press, 2001.

274. Theoretical Issues in the Tevatron Era, invited talk presented at Symposium in Celebration of the Fixed-Target Program with the Tevatron, Fermilab, June 2, 2000, Enrico Fermi Institute Report 2000-24, hep-ph/0007194, published in *Comments on Modern Physics* **2**, A328–A345 (2002).
275. Tests for Coherence in Neutral  $B$  Meson Decays, with Michael Gronau, Enrico Fermi Institute Report 2000-33, hep-ph/0010238, *Phys. Rev. D* **63**, 054006 (2001).
276. U-Spin Symmetry in Doubly Cabibbo-Suppressed Charmed Meson Decays, with Michael Gronau, Enrico Fermi Institute Report 2000-34, hep-ph/0010237, *Phys. Lett. B* **500**, 247–253 (2001).
277. Factorization vs. Flavor SU(3) in Charmless  $B$  decays, Enrico Fermi Institute Report 2000-41, hep-ph/0011183, in *Proceedings of Beauty 2000*, Kibbutz Maagan, Israel, September 13–18, 2000, edited by S. Erhan, Y. Rozen, and P. E. Schlein, *Nucl. Inst. Meth. A* **462**, 44–51 (2001).
278. Comments on CKM Elements, Enrico Fermi Institute Report 2000-42, hep-ph/0011184, in *Proceedings of Beauty 2000*, Kibbutz Maagan, Israel, September 13–18, 2000, edited by S. Erhan, Y. Rozen, and P. E. Schlein, *Nucl. Inst. Meth. A* **462**, 304–306 (2001).
279. CP Violation in  $B$  Decays, lectures given at TASI-2000 Summer School, Boulder, Colorado, June 5–30, 2000, Enrico Fermi Institute Report 2000-47, hep-ph/0011355, in *Flavor Physics for the Millennium — TASI 2000*, edited by J. L. Rosner (World Scientific, 2001), pp. 431–480.
280. Factorization in Color-Favored  $B$ -Meson Decays to Charm, with Zumin Luo, Enrico Fermi Institute Report 01-02, hep-ph/0101089, *Phys. Rev. D* **64**, 094001 (2001).
281. *Flavor Physics for the Millennium — TASI 2000* (Lecture notes of TASI-2000 Summer School, Boulder, Colorado, June 5–30, 2000), editor (World Scientific, Singapore, 2001).
282. CP Violation: Past, Present, and Future, Enrico Fermi Institute Report 01-01, hep-ph/0101033, invited talk presented at XXI Brazilian National Meeting on Particles and Fields, São Lourenço, Minas Gerais, October 23–26, 2000, published in *Brazilian Journal of Physics* **31**(2), 147–160 (2001).
283. Measuring  $D^0$ - $\bar{D}^0$  Mixing and Relative Strong Phases at a Charm Factory, with Michael Gronau and Yuval Grossman, Enrico Fermi Institute Report 01-07, hep-ph/0103110, *Phys. Lett. B* **508**, 37–43 (2001).
284. Production of the  $\eta_b(1S)$  States, with Stephen Godfrey, Enrico Fermi Institute Report 01-10, hep-ph/0104253, *Phys. Rev. D* **64**, 074011 (2001).

285. Production of the D-wave  $b\bar{b}$  States, with Stephen Godfrey, Enrico Fermi Institute Report 01-14, hep-ph/0105273, Phys. Rev. D **64**, 097501 (2001); Erratum *ibid.* D **66**, 059902 (2002).
286. Charmless Final States and S–D Wave Mixing in the  $\psi''$ , Enrico Fermi Institute Report 01-21, hep-ph/0105327, Phys. Rev. D **64**, 094002 (2001).
287. Linear Collider Physics Resource Book for Snowmass 2001, with T. Abe *et al.* (161 authors), SLAC report SLAC-570, hep-ex/0106055, hep/ex-0106056, hep-ex/0106057, and hep-ex/0106058 (unpublished).
288. Hierarchy and Anarchy in Quark Mass Matrices, or Can Hierarchy Tolerate Anarchy? (with Rogerio Rosenfeld), Enrico Fermi Institute Report 01-26, hep-ph/0106335, Phys. Lett. B **516**, 408–414 (2001).
289. Information on  $B \rightarrow \pi\pi$  Provided by the Semileptonic Process  $B \rightarrow \pi l\nu$ , with Zumin Luo, Enrico Fermi Institute Report 01-28, hep-ph/0108024, Phys. Rev. D **65**, 054027 (2002).
290. The Standard Model in 2001, Enrico Fermi Institute Report 01-34, hep-ph/0108195, based on five lectures at the 55th Scottish Universities' Summer School in Particle Physics, St. Andrews, Scotland, August 7–23, 2001, published in *Heavy Flavour Physics (Theory and Experimental Results on Heavy Quark Physics and CP Violation)*, edited by C. T. H. Davies and S. M. Playfer (Institute of Physics, Bristol and Philadelphia, 2002), pp. 1–56.
291. Extraction of a Weak Phase from  $B \rightarrow D^{(*)}\pi$ , with Denis A. Suprun and Cheng-Wei Chiang, Enrico Fermi Institute Report 01-35, hep-ph/0110159, Phys. Rev. D **65**, 054025 (2002).
292. CP Symmetry Violation, Enrico Fermi Institute Report 01-40, hep-ph/0109240, in *Macmillan Encyclopedia of Physics, Supplement: Elementary Particle Physics*, edited by John S. Rigden, Jonathan Bagger, and Roger H. Stuewer (Macmillan Reference USA, New York, 2002).
293. The Eightfold Way, Enrico Fermi Institute Report 01-41, hep-ph/0109241, in *Macmillan Encyclopedia of Physics, Supplement: Elementary Particle Physics*, edited by John S. Rigden, Jonathan Bagger, and Roger H. Stuewer (Macmillan Reference USA, New York, 2002).
294. Implications of CP Asymmetry Limits for  $B \rightarrow K\pi$  and  $B \rightarrow \pi\pi$ , with Michael Gronau, Enrico Fermi Institute Report 01-42, hep-ph/0109238, Phys. Rev. D **65**, 013004 (2002).
295. Role of Present and Future Atomic Parity Violation Experiments in Precision Electroweak Tests, Enrico Fermi Institute Report 01-43, hep-ph/0109239, Phys. Rev. D **65**, 073026 (2002).

296. Final-State Phases in Doubly-Cabibbo-Suppressed Charmed Meson Nonleptonic Decays, with Cheng-Wei Chiang, Enrico Fermi Institute Report 01-48, hep-ph/01110394, Phys. Rev. D **65**, 054007 (2002).
297. Updated Analysis of Two-Body Charmless  $B$  Decays, with Cheng-Wei Chiang, Enrico Fermi Institute Report 01-56, hep-ph/0112285, Phys. Rev. D **65**, 074035 (2002).
298. Strong and Weak Phases From Time-Dependent Measurements of  $B \rightarrow \pi\pi$ , with Michael Gronau, Enrico Fermi Institute Report 02-62, hep-ph/0202170, Phys. Rev. D **65**, 093012 (2002).
299. Weak Phase  $\gamma$  from  $B_s(t) \rightarrow K^+K^-$ , with Michael Gronau, Enrico Fermi Institute Report 02-68, hep-ph/0203158, Phys. Rev. D **65**, 113008 (2002).
300. Production of Singlet P-wave  $c\bar{c}$  and  $b\bar{b}$  States, with Stephen Godfrey, Enrico Fermi Institute Report 02-79, hep-ph/0205255, Phys. Rev. D **66**, 014012 (2002).
301. Convention-Independent Study of CP-Violating Asymmetries in  $B \rightarrow \pi\pi$ , with Michael Gronau, Enrico Fermi Institute Report 02-81, hep-ph/0205323, Phys. Rev. D **66**, 053003 (2002); Erratum *ibid.* **66**, 119901 (2002).
302.  $B \rightarrow D_s\pi$  and the tree amplitude in  $B \rightarrow \pi\pi$ , with Cheng-Wei Chiang and Zumin Luo, Enrico Fermi Institute Report 02-83, hep-ph/0206006, Phys. Rev. D **66**, 057503 (2002) (Brief Reports).
303. Resource Letter: The Standard Model and Beyond, Enrico Fermi Institute Report 02-89, hep-ph/0206176, Am. J. Phys. **71**, 302–318 (2003).
304. Light Gluino and the Running of  $\alpha_s$ , with Cheng-Wei Chiang and Zumin Luo, Enrico Fermi Institute Report 02-90, hep-ph/0207235, Phys. Rev. D **67**, 035008 (2003).
305. Synchrotron Radiation at Radio Frequencies from Cosmic Ray Air Showers, with Denis A. Suprun and Peter W. Gorham, Enrico Fermi Institute Report 02-91, astro-ph/0211273, Astropart. Phys. **20**, 157–168 (2003).
306. Weak Coupling Phases, Enrico Fermi Institute Report 02-96, hep-ph/0207197, presented at CERN Workshop on the CKM Matrix, February 13–16, 2002, published in the Proceedings as a CERN Yellow Report, M. Battaglia *et al.*, hep-ph/0304132.
307. Conference Summary, Enrico Fermi Institute Report 02-57, hep-ph/0208243, in Proceedings of the 5th International Conference on Hyperons, Charm, and Beauty Hadrons, Vancouver, 25–29 June 2002, edited by C. S. Kalman *et al.*, Nucl. Phys. B (Proc. Suppl.) **115**, 385–397 (2003).

308. Two-Body Cabibbo-Suppressed Charmed Meson Decays, with Cheng-Wei Chiang and Zumin Luo, Enrico Fermi Institute Report 02-56, hep-ph/0209272, Phys. Rev. D **67**, 014001 (2003).
309. Production of Missing  $c\bar{c}$  and  $b\bar{b}$  States, with Stephen Godfrey, Enrico Fermi Institute Report 02-55, hep-ph/0210399, in *Quark Confinement and the Hadron Spectrum V: Proceedings* (Proceedings of the 5th International Conference on Quark Confinement and the Hadron Spectrum, Gargnano, Brescia, Italy, 10–14 September 2002), edited by N. Brambilla and G. Prosperi (World Scientific, Singapore, 2003), pp. 425–427.
310. Final-State Phases in  $B \rightarrow D\pi$ ,  $D^*\pi$ , and  $D\rho$  Decays, with Cheng-wei Chiang, Enrico Fermi Institute Report 02-46, hep-ph/0212274, Phys. Rev. D **67**, 074013 (2003).
311. Final-State Phases in  $B \rightarrow$  Baryon-Antibaryon Decays, with Zumin Luo, Enrico Fermi Institute Report 03-03, hep-ph/0302110, Phys. Rev. D **67**, 094017 (2003).
312. New Physics Contributions to the  $B \rightarrow \phi K_S$  Decay, with Cheng-Wei Chiang, Enrico Fermi Institute Report 03-04, hep-ph/0302094, Phys. Rev. D **68**, 014007 (2003).
313. Prospects for detection of  $\Upsilon(1D) \rightarrow \Upsilon(1S)\pi\pi$  via  $\Upsilon(3S) \rightarrow \Upsilon(1D) + X$ , Enrico Fermi Institute Report 03-06, hep-ph/0302122, Phys. Rev. D **67**, 097504 (2003).
314. Measuring the Relative Strong Phase in  $D^0 \rightarrow K^{*+}K^-$  and  $D^0 \rightarrow K^{*-}K^+$  Decays, with Denis A. Suprun, Enrico Fermi Institute Report 03-07, hep-ph/0303117, Phys. Rev. D **68**, 054010 (2003).
315. Low-Mass Baryon-Antibaryon Enhancements in  $B$  Decays, Enrico Fermi Institute Report 03-11, hep-ph/0303079, Phys. Rev. D **68**, 014004 (2003).
316.  $I$ -spin and  $U$ -spin in  $B \rightarrow KK\bar{K}$ , with Michael Gronau, Enrico Fermi Institute Report 03-14, hep-ph/0304178, Phys. Lett. B **564**, 90 (2003).
317. Introduction to  $B$  Physics, presented at XXXVIII Rencontre de Moriond on Electroweak Interactions and Unified Theories, Les Arcs, France, March 15–22, 2003, Enrico Fermi Institute Report 03-16, hep-ph/0304200, published in *2003 Electroweak Interactions and Unified Theories*, edited by J. Tran Thanh Van (The Gioi Publishers, Hanoi, 2004), pp. 287–298.
318. Two-Body Charmless  $B$  Decays Involving  $\eta$  and  $\eta'$ , with Cheng-Wei Chiang and Michael Gronau, Enrico Fermi Institute Report 03-24, hep-ph/0306021, Phys. Rev. D **68**, 074012 (2003).
319. The Factorizable Amplitude in  $B^0 \rightarrow \pi^+\pi^-$ , with Zumin Luo, Enrico Fermi Institute Report 03-25, hep-ph/0305262, Phys. Rev. D **68**, 074010 (2003).



320. Theoretical Issues in  $b$  Physics, based on an invited talk at LHC 2003 Symposium, Fermilab, May 1–3, 2003, Enrico Fermi Institute Report 03-26, hep-ph/0305315, Eur. Phys. J. **34**, s365–s374 (2004).
321. Heavy Bottom Squark Mass in the Light Gluino and Light Bottom Squark Scenario, with Zumin Luo, Enrico Fermi Institute Report 03-27, hep-ph/0306022, Phys. Lett. B **569**, 194–198 (2003).
322.  $B$  Physics (Theory), Enrico Fermi Institute Report 03-32, hep-ph/0306284, based on an invited talk at Fourth Tropical Workshop on Particle Physics and Cosmology, Cairns, Queensland, Australia, 9–13 June 2003. Published in *Neutrinos, Flavor Physics, and Precision Cosmology*, edited by J. F. Nieves and R. R. Volkas, AIP Conference Proceedings **689**, 150 (2003).
323. Rates and Asymmetries in  $B \rightarrow K\pi$  Decays, with Michael Gronau, Enrico Fermi Institute Report 03-34, hep-ph/0307095, Phys. Lett. B **572**, 43–49 (2003).
324. Charmless  $B \rightarrow VP$  Decays Using Flavor SU(3) Symmetry, with Cheng-Wei Chiang, Michael Gronau, Zumin Luo, and Denis A. Suprun, Enrico Fermi Institute Report 03-36, hep-ph/0307395, Phys. Rev. D **69**, 034001 (2004).
325. Exotic  $Q = -1/3$  Quark Signatures at High-Energy Hadron Colliders, with Troy Andre, Enrico Fermi Institute Report 03-37, hep-ph/0309254, Phys. Rev. D **69**, 035009 (2004).
326. Interpreting the Time-Dependent CP Asymmetry in  $B^0 \rightarrow \pi^0 K_S$ , with Michael Gronau and Yuval Grossman, Enrico Fermi Institute Report 03-43, hep-ph/0310020, Phys. Lett. B **579**, 331 (2004).
327. Learning the Weak Phase  $\gamma$  from  $B$  Decays, Cornell University Report CLNS 03/1851, hep-ph/0311170, invited talk published in *B Physics at Hadron Machines* (9th International Conference on  $B$  Physics at Hadron Machines: BEAUTY 2003, Carnegie-Mellon University, Pittsburgh, PA, October 2003), edited by M. Paulini and S. Erhan, American Institute of Physics Conference Proceedings No. 722 (AIP, New York, 2004), pp. 35–41.
328. Learning  $\gamma$  from  $B \rightarrow K\pi$  Decays, with Michael Gronau, Cornell University Report CLNS 03/1852, hep-ph/0311280, contribution to the Proceedings of the Workshop on the Discovery Potential of an Asymmetric B Factory at  $10^{36}$  Luminosity, SLAC, Stanford, California, 2003, edited by J. Hewett *et al.*, SLAC Report SLAC-R-709, hep-ph/0503261.
329. Exotic States of Matter in Heavy Meson Decays, Cornell University Report CLNS 03/1856, hep-ph/0312269, Phys. Rev. D **69**, 094014 (2004).
330. Correlated Bounds on CP Asymmetries in  $B^0 \rightarrow \eta' K_S$ , with Michael Gronau and Jure Zupan, Cornell University Report CLNS 04/1868, hep-ph/0403287, Phys. Lett. B **596**, 107–115 (2004).

331. Charmless  $B \rightarrow PP$  Decays Using Flavor SU(3) Symmetry, with Cheng-Wei Chiang, Michael Gronau, and Denis A. Suprun, Cornell University Report CLNS 04/1869, hep-ph/0404073, Phys. Rev. D **70**, 034020 (2004).
332. Vector Meson Pair Production in Two-Photon Collisions Near Threshold, Cornell University Report CLNS 04/1873, hep-ph/0404245, Phys. Rev. D **70**, 034028 (2004).
333. Precision Electroweak Tests with  $\bar{\nu}_e e$  Scattering, Cornell University Report CLNS 04/1874, hep-ph/0404264, Phys. Rev. D **70**, 037301 (2004).
334. Implications of CP Asymmetries in  $B \rightarrow \pi^+ \pi^-$ , with Michael Gronau, Cornell University Report CLNS 04/1879, hep-ph/0405173, Phys. Lett. B **595**, 339–346 (2004).
335. Status of  $\psi''$  Decays to Charmless Final States, Cornell University Report 04/1877, hep-ph/0405196, unpublished. Revised version:  $\psi''$  Decays to Charmless Final States, Enrico Fermi Institute Report 04-38, hep-ph/0411003, Annals of Physics (N.Y.), **319**, 1–12 (2005).
336. Angular Distributions in  $J/\psi(\rho^0, \omega)$  States Near Threshold, Enrico Fermi Institute Report 04-30, hep-ph/0408334, Phys. Rev. D **70**, 094023 (2004).
337. Status of the CKM Matrix, invited talk presented at 5th Rencontres du Vietnam, Hanoi, August 6–11, 2004, Enrico Fermi Institute Report 04-37, hep-ph/0410281, in *New Views in Particle Physics* (Proceedings of the Fifth Rencontres du Vietnam), edited by J. Dumarchez, Nguyen Van Hieu, and J. Thanh Thanh Van, The Gioi Publishers, Hanoi, 2005, pp. 19–28.
338. The  $b \rightarrow s$  Penguin Amplitude in Charmless  $B \rightarrow PP$  Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 05-01, hep-ph/0503131, Phys. Rev. D **71**, 074019 (2005).
339. *Proceedings of the 6th International Conference on Hyperons, Charm, and Beauty (BEACH 2004)*, Chicago, June 27 – July 3, 2004, co-editor with C. S. Kalman, N. Solomey, H. Rubin, M. Bozzo, I. Narodetsky, J. McKenna, and P. Singer, Nucl. Phys. B, Proc. Suppl. **142**, 1–504 (2005).
340. Hadronic Spectroscopy – A 2005 Snapshot, Enrico Fermi Institute Report 05-10, hep-ph/0508155, published in *XXV Physics in Collision* (Proceedings of the XXV International Conference on Physics in Collision, Prague, Czech Republic, 5–9 July 2005), edited by V. Šimák *et al.*, AIP Conference Proceedings No. 815 (AIP, Melville, New York, 2006), pp. 218–232.
341. Dark Matter in Many Forms, Enrico Fermi Institute Report 05-13, astro-ph/0509196, presented at 2005 ALCPG & ILC Workshops, Snowmass, Colorado, August 14–27, 2005, published in the Proceedings [ECONF **C0508141**, ALCPG0106, (2005)].

342. Symmetry Relations in Charmless  $B \rightarrow PPP$  Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 05-14, hep-ph/0509155, Phys. Rev. D **72**, 094031 (2005).
343. Suppression of Flavor Symmetry Breaking in  $B$  Decay Sum Rules, Michael Gronau, Yuval Grossman, and Jonathan L. Rosner, Enrico Fermi Institute Report 06-01, hep-ph/0601129, Phys. Lett. B **635**, 207–212 (2006).
344. Isospin in  $B$  Decays and the  $(B^0\bar{B}^0)/(B^+B^-)$  Production Ratio, Michael Gronau, Yuval Grossman, Guy Raz, and Jonathan L. Rosner, Enrico Fermi Institute Report 06-02, hep-ph/0601136, Phys. Rev. D (Brief Reports) **73**, 057501 (2006).
345. Hadron Spectroscopy in 2006, presented at 2006 Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2006), Rio Grande, Puerto Rico, May 30 – June 3, 2006, Enrico Fermi Institute Report 06-07, hep-ph/0606166. Published in *CP870, Intersections of Particle and Nuclear Physics, 9th Conference*, edited by T. M. Liss (American Institute of Physics, 2006), pp. 63–83.
346. Interference Between Doubly-Cabibbo-Suppressed and Cabibbo-Favored Amplitudes in  $D^0 \rightarrow K_S(\pi^0, \eta, \eta')$  Decays, Enrico Fermi Institute Report 06-13, hep-ph/0607346, Phys. Rev. D (Brief Reports) **74**, 057502 (2006).
347. Effects of S-wave Thresholds, Enrico Fermi Institute Report 06-14, hep-ph/0608102, Phys. Rev. D **74**, 076006 (2006).
348. Transitions in Quarkonium, Estia Eichten, Stephen Godfrey, Hanna Mahlke, and Jonathan L. Rosner, Enrico Fermi Institute Report 06-15, hep-ph/0701208, Rev. Mod. Phys. **80**, 1161 (2008).
349. Rate and CP-Asymmetry Sum Rules in  $B \rightarrow K\pi$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 06-16, hep-ph/0608040, Phys. Rev. D (Brief Reports) **74**, 057503 (2006).
350. Updated bounds on CP Asymmetries in  $B^0 \rightarrow \eta'K_S$  and  $B^0 \rightarrow \pi^0K_S$ , Michael Gronau, Jonathan L. Rosner, and Jure Zupan, Enrico Fermi Institute Report 06-17, hep-ph/0608085, Phys. Rev. D **74**, 093003 (2006).
351. Hadron Spectroscopy: Theory and Experiment, Enrico Fermi Institute Report 06-20, hep-ph/0609195, J. Phys. G **34**, S127–S148 (2007).
352. Uncovering the Nature of the Weak Interaction, Enrico Fermi Institute Report 06-21, hep-ph/0610100, invited talk presented at Jim Cronin’s 75 birthday celebration, September 8–9, 2006. To be published in the Proceedings.
353. Sum Rule for Rate and CP Asymmetry in  $B^+ \rightarrow K^+\pi^0$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 06-22, hep-ph/0610227, Phys. Lett. B **644**, 237-240 (2007).

354. Mass Splittings in  $\Sigma_b$  and  $\Sigma_b^*$ , Enrico Fermi Institute Report 06-23, hep-ph/0611207, Phys. Rev. D **75**, 013009 (2007) (Brief Reports).
355. Heavy Quark Spectroscopy – Theory Overview, invited talk presented at 2nd Meeting of Topical Group on Hadron Physics (GHP06), Nashville, TN, Enrico Fermi Institute Report 07-01, hep-ph/0612332, J. Phys. Conf. Ser. 69, 012002 (2007) (Institute of Physics, UK).
356. FlavourLHC – WG2 Report – Charm Physics, D. M. Asner, S. Fajfer, I. I. Bigi, D. G. Cassel, B. Golob, H. Mahlke, J. Napolitano, A. A. Petrov, J. L. Rosner, P. Spradlin, S. Stone, and G. Wilkinson, in *Flavour Physics in the era of the LHC*, edited by R. Fleischer, T. Hurth, and M. L. Mangano, chapter “*B*, *D* and *K* decays,” edited by G. Buchalla, F. Muheim, T. Komatsubara, and L. Silvestrini: M. Artuso *et al.*, January 2008, Report of Working Group 2 of the CERN Workshop on Flavor in the Era of the LHC: 2nd Workshop on the Interplay of Flavor and Collider Physics, Geneva, Switzerland, 6–8 February 2006, arXiv:0801.1833 [hep-ph], Eur. Phys. J. C **57**, 309–492 (2008).
357. Isospin of New Physics in  $|\Delta S| = 1$  Charmless *B* Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 07-06, hep-ph/0702193, Phys. Rev. D **75**, 094006 (2007).
358. Masses and Mixings in a Grand Unified Toy Model, David McKeen, Jonathan L. Rosner, and Arun Thalapillil, Enrico Fermi Institute Report 07-07, hep-ph/0703177, Phys. Rev. D **76**, 073014 (2007).
359. Moriond QCD 2007 - Theory Summary, Enrico Fermi Institute Report 07-10, arXiv:0704.2774 [hep-ph], presented at XLII Rencontres de Moriond, La Thuile, Italy, 17–24 March 2007, published in *2007 QCD and High Energy Hadronic Interactions*, edited by E. Augé, B. Pietrzyk, and J. Trân Than Van, Thé Giôì Publishers, Vietnam, 2007, pp. 393–410.
360. Systematic Errors on Weak Phase  $\gamma$  from  $B \rightarrow \pi^+\pi^-$  and  $B \rightarrow K\pi$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 07-13, arXiv:0704.3459 [hep-ph], Phys. Lett. B **651**, 166–170 (2007).
361. Predictions for Masses of  $\Xi_b$  Baryons, Marek Karliner, Boaz Keren-Zur, Harry J. Lipkin, and Jonathan L. Rosner, Enrico Fermi Institute Report 07-16, arXiv:0706.2163 [hep-ph], unpublished.
362. Predictions for Masses of Bottom Baryons, Marek Karliner, Boaz Keren-Zur, Harry J. Lipkin, and Jonathan L. Rosner, Enrico Fermi Institute Report 07-23, arXiv:0708.4027 [hep-ph], unpublished.
363. Threshold Effect and  $\pi^\pm\psi(2S)$  Peak, Enrico Fermi Institute Report 07-25, arXiv:0708.3496 [hep-ph], Phys. Rev. D **76**, 114002 (2007).

364. Precise Prediction of the  $W$  Width, Jonathan L. Rosner and Tatsu Takeuchi, Enrico Fermi Institute Report 07-26, October 2007.
365. Flavor Symmetry and Charm Decays, Bhuvanajyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 07-28, arXiv: 0710.0336 [hep-ph], in Proceedings of the International Workshop on Charm Physics (Charm 2007), Ithaca, New York, 5-8 Aug 2007, pp 24, <http://www.slac.stanford.edu/econf/C070805>.
366. Examination of Flavor SU(3) in  $B, B_s \rightarrow K\pi$  Decays, Cheng-Wei Chiang, Michael Gronau, and Jonathan L. Rosner, Enrico Fermi Institute Report 08-04, arXiv:0803.3229, Phys. Lett. B **664**, 169–173 (2008).
367. Flavor Symmetry and Decays of Charmed Mesons to Pairs of Light Pseudoscalars, Bhuvanajyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 08-05, arXiv:0803.2385, Phys. Rev. D **77**, 114020 (2008).
368. Panel Discussion on Scalar Mesons, Enrico Fermi Institute Report 08-07, arXiv:0804.0469, in *Scadron 70* (Proceedings of Workshop on Scalar Mesons and Related Topics Honoring Michael Scadron's 70th Birthday, Lisbon, 11-16 February 2008), American Institute of Physics Conference Proceedings No. 1030, edited by G. Rupp *et al.*, AIP, New York, 2008, pp. 377–378.
369. The Quark Model and  $b$  Baryons, Marek Karliner, Boaz Keren-Zur, Harry J. Lipkin, and Jonathan L. Rosner, Enrico Fermi Institute Report 08-09, arXiv:0804.1575 [hep-ph], Annals of Physics **324**, 2–15 (2009).
370. Small Amplitude Effects in  $B^0 \rightarrow D^+D^-$  and Related Decays, Michael Gronau, Jonathan L. Rosner, and Dan Pirjol, Enrico Fermi Institute Report 08-13, arXiv:0805.4601 [hep-ph], Phys. Rev. D **78**, 033011 (2008).
371.  $B$  decays Dominated by  $\omega$ - $\phi$  Mixing, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 08-19, arXiv: 0806.3584 [hep-ph], Phys. Lett. B **666**, 185–188 (2008).
372. Implications of Improved Data on  $B^0 \rightarrow K^0\pi^0$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 08-21, arXiv: 0807.3080 [hep-ph], Phys. Lett. B **666**, 467–471 (2008).
373. Flavor Symmetry for Strong Phases and Determination of  $\beta_s, \Delta\Gamma$  in  $B_s \rightarrow J/\psi\phi$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 08-23, arXiv:0808.3761 [hep-ph], Phys. Lett. B **669**, 321–326 (2008).
374. M2 Signatures in  $\psi(2S)$  Radiative Decays, Jonathan L. Rosner, Enrico Fermi Institute Report 08-24, arXiv:0809.0471 [hep-ph], Phys. Rev. D **78**, 114011 (2008).

375. Decays of Charmed Mesons to PV Final States, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 08-32, arXiv:0812.3167, Phys. Rev. D **79**, 034016 (2009); Erratum *ibid.* D **81**, 099903 (2010).
376. Doubly CKM-Suppressed Corrections to CP Asymmetries in  $B^0 \rightarrow J/\psi K^0$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 08-33, arXiv:0812.4796, Phys. Lett. B **672**, 349 (2009).
377.  $\omega$ - $\phi$  Mixing and Weak Annihilation in  $D_s$  Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 09-03, arXiv:0902.1363, Phys. Rev. D **79**, 074006 (2009).
378.  $D_s$  Inclusive Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 09-04, arXiv:0903.2287, Phys. Rev. D **79**, 074022 (2009).
379. Meson-Photon Transition Form Factors in the Charmonium Energy Range, Jonathan L. Rosner, Enrico Fermi Institute Report 09-06, arXiv:0903.1796, Phys. Rev. D **79**, 097301 (2009).
380. Diagnostic for New Physics in  $B \rightarrow \pi K$  Decays, Seungwon Baek, Cheng-Wei Chiang, Michael Gronau, David London, and Jonathan L. Rosner, Enrico Fermi Institute Report 09-15, arXiv:0905.1495, Phys. Lett. B **678**, 97–100 (2009).
381. Flavor Questions for the LHC, presented at Flavor Physics and CP Violation 2009, Lake Placid, New York, May 28 – June 1, 2009, Enrico Fermi Institute Report 09-20, arXiv:0907.2414, Proceedings of Science (PoS) FPCP2009, 051.
382. Electroweak Constraints from Atomic Parity Violation and Neutrino Scattering, Timothy Hobbs and Jonathan L. Rosner, September, 2009, Enrico Fermi Institute Report 09-21, arXiv:1005.0797, Phys. Rev. D **82**, 013001 (2010).
383. Charmed Meson Decays to Two Pseudoscalars, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 09-32, arXiv:0911.2812, Phys. Rev. D **81**, 014026 (2010).
384. The Mystery of Parity, Enrico Fermi Institute Report 09-36, arXiv:0912.1053, in *Doing Physics: A Festschrift for Thomas Erber*, edited by Porter W. Johnson (Chicago, IIT Press, 2010), pp. 243–253.
385. Forward-Backward Asymmetry of Top Quark Pair Production, Qing-Hong Cao, David McKeen, Jonathan L. Rosner, Gabe Shaughnessy, and Carlos E. M. Wagner, Enrico Fermi Institute Report 09-37, arXiv:1003.3461, Phys. Rev. D **81**, 114004 (2010).
386. Calculating Phases Between  $B \rightarrow K^* \pi$  Amplitudes, Michael Gronau, Dan Pirjol, and Jonathan L. Rosner, Enrico Fermi Institute Report 10-6, arXiv:1003.5090, Phys. Rev. D **81**, 094026 (2010).

387. Dalitz Plot Structure in  $D^0 \rightarrow \pi^+\pi^-\pi^0$ , Bhubanjyoti Bhattacharya, Cheng-Wei Chiang, and Jonathan L. Rosner, Enrico Fermi Institute Report 10-8, arXiv:1004.3225, Phys. Rev. D **81**, 096008 (2010).
388. Effect of  $\eta$ - $\eta'$  Mixing on  $D \rightarrow PV$  Decays, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 10-12, arXiv:1005.2159, Phys. Rev. D **82**, 037502 (2010).
389. Background check for anomalous like-sign dimuon charge asymmetry, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 10-15, arXiv:1007.4728, Phys. Rev. D **82**, 077301 (Brief Reports) (2010).
390. Relative phases in Dalitz plot amplitudes for  $D^0 \rightarrow K_S\pi^+\pi^-$  and  $D^0 \rightarrow \pi^0K^+K^-$ , Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 10-18, arXiv:1008.4083, Phys. Rev. D **82**, 074025 (2010).
391. Second order direct CP asymmetry in  $B_{(s)} \rightarrow X\ell\nu$ , Shaouly Bar-Shalom, Gad Eilam, Michael Gronau, and Jonathan L. Rosner, Enrico Fermi Institute Report 10-20, arXiv:1008.4354, Phys. Lett. B **694**, 374–379 (2010).
392. Cross ratios between Dalitz plot amplitudes in three-body  $D^0$  decays, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 10-26, arXiv:1010/1770, Phys. Rev. D **82**, 114032 (2010).
393. Ratios of heavy hadron semileptonic decay rates, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 10-31, arXiv:1012.5098, Phys. Rev. D **83**, 034025 (2011).
394. Angular distributions in  $D_s^*$  decays, Enrico Fermi Institute Report 11-01, arXiv:1101.1317, submitted to Phys. Rev. D.
395. Relative phases in  $D^0 \rightarrow K^0K^-\pi^+$  and  $D^0 \rightarrow \bar{K}^0K^+\pi^-$  Dalitz plots, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 11-10, arXiv:1104.4962, submitted to Phys. Rev. D.
396.  $B_s$  decays and mixing, Jonathan L. Rosner and Michael Gronau, presented by J. Rosner at 13th International Conference on  $B$ -Physics at Hadron Machines – Beauty2011, April 4–8, 2011, Amsterdam, The Netherlands, Enrico Fermi Institute Report 11-13, arXiv:1105.1923, published by Proceedings of Science (PoS), BEAUTY2011, 045.
397. A leptophobic  $Z'$  and dark matter from grand unification, Matthew R. Buckley, Dan Hooper, and Jonathan L. Rosner, Enrico Fermi Institute Report 11-15, arXiv:1106.3583, Phys. Lett. B **703**, 343 (2011).
398. Triple product asymmetries in  $K$ ,  $D_{(s)}$ , and  $B_{(s)}$  decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 11-16, arXiv:1107.1232 [hep-ph], Phys. Rev. D **84**, 096013 (2011).

399. Quarkonium - Theory, Jonathan L. Rosner, presented at Ninth International Conference on Flavor Physics and CP Violation (FPCP 2011), Maale Hachamisha, Israel, May 23-27, 2011, Enrico Fermi Institute Report 11-17, arXiv:1107.1273 [hep-ph], published in eConf Proceedings C11-05-23.
400. Background dependence of dimuon asymmetry in  $\bar{p}p$  interactions at  $\sqrt{s} = 1.96$  TeV, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 11-33, arXiv:1111.2300 [hep-ph], Phys. Lett. B **708**, 127 (2012).
401. CP asymmetries in singly-Cabibbo-suppressed  $D$  decays to two pseudoscalar mesons, Bhubanjyoti Bhattacharya, Michael Gronau, and Jonathan L. Rosner, Enrico Fermi Institute Report 12-1, arXiv:1201.2351, Phys. Rev. D **85**, 054014 (2012).
402. Flavor and SU(3) tests from  $D^0 \rightarrow K^0 K^- \pi^+$  and  $D^0 \rightarrow \bar{K}^0 K^+ \pi^-$  Dalitz plots, Bhubanjyoti Bhattacharya and Jonathan L. Rosner, Enrico Fermi Institute Report 12-3, arXiv:1203.6014, Phys. Lett. B **714**, 276 (2012).
403. Non-factorizable effects in top quark production, Enrico Fermi Institute Report 12-5, arXiv:1205.1529 [hep-ph], Phys. Rev. D **86**, 014011 (2012).
404. Fundamental Physics at the Intensity Frontier, Report of the Workshop held December 2011 in Rockville, MD, Argonne National Laboratory Report No. ANL-HEP-TR-12-25 and SLAC Report No. SLAC-R-991, arXiv:1205.2671.
405. Prospects for improved  $\Lambda_c$  branching fractions, Enrico Fermi Institute Report 12-10, arXiv:1205.4964, Phys. Rev. D **86**, 014017 (2012).
406. Direct CP violation in  $D$  decays in view of LHCb and CDF results, Bhubanjyoti Bhattacharya, Michael Gronau, and Jonathan L. Rosner, presented by M. Gronau at Tenth International Conference on Flavor Physics and CP Violation – FPCP2012, Hefei, China, May 21–25, 2012, Enrico Fermi Institute Report 12-17, arXiv:1207.0761.
407. Nonleptonic Charm Decays and CP Violation, Bhubanjyoti Bhattacharya, Michael Gronau, and Jonathan L. Rosner, presented by B. Bhattacharya at Charm 2012, 5th International Workshop on Charm Physics, 14-17 May 2012, Honolulu, Hawaii, Enrico Fermi Institute Report 12-19, arXiv:1207.6390.
408. Revisiting  $D^0-\bar{D}^0$  mixing using U-spin, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 12-21, arXiv:1209.1348, Phys. Rev. D **86**, 114029 (2012).
409. Rescattering contributions to  $B$  meson decays, Michael Gronau, David London, and Jonathan L. Rosner, EFI 12-32, arXiv:1211.5785, Phys. Rev. D **87**, 036008 (2013).



410. Shift in weak phase  $\gamma$  due to CP asymmetries in  $D$  decays to two pseudoscalar mesons, Bhuvanjiyoti Bhattacharya, David London, Michael Gronau, and Jonathan L. Rosner, Enrico Fermi Institute Report 12-36, arXiv:1301.5631, Phys. Rev. D **87**, 074002 (2013).
411. CP asymmetries in three-body  $B^\pm$  decays to charged pions and kaons, Bhuvanjiyoti Bhattacharya, Michael Gronau, and Jonathan L. Rosner, Enrico Fermi Institute Report 13-4, arXiv:1306.2625, Phys. Lett. B **726**, 337 (2013).
412. Hadronic and radiative  $D^*$  widths, Enrico Fermi Institute Report 13-13, arXiv:1307.2550, Phys. Rev. D **88**, 034034 (2013).
413. Theoretical Issues in Flavor Physics, DPF2013-233, Enrico Fermi Institute Report 13-26, arXiv:1309.7980, presented at DPF 2013, Santa Cruz, CA, August 13-17, 2013, published in e-Conf Proceedings CNUM: C13-08-13, DPF2013-233.
414. Neutrinos, A. de Gouvea *et al.* (Intensity Frontier Neutrino Working Group Collaboration), FERMILAB-CONF-13-479-E, arXiv:1310.4340, to be published in eConf Proceedings of the 2013 Community Summer Study (Snowmass 2013).
415. Flavor SU(3) and  $\Lambda_b$  Decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 13-35, arXiv:1312.5730, Phys. Rev. D **89**, 037501 (2014); Erratum: Phys. Rev. D **91**, 119902 (2015).
416. Report of the Quark Flavor Physics Working Group, J. N. Butler *et al.*, arXiv:1311.1076, to be published in eConf Proceedings of the 2013 Community Summer Study (Snowmass 2013).
417. Sterile Neutrinos in the Grand Unified Group  $E_6$ , white paper for the 2013 Community Summer Study (Snowmass 2013), arXiv:1401.2402.
418. Planning the Future of U. S. Particle Physics (Snowmass 2013): Chapter 1: Summary, J. L. Rosner, M. Bardeen, W. Barletta, L. A. T. Bauerdick, R. H. Bernstein, R. Brock, D. Cronin-Hennessy, M. Demarteau, M. Dine and J. L. Feng, *et al.*, arXiv:1401.6075 [hep-ex]; <https://www.slac.stanford.edu/econf/C1307292/>.
419. Charmless  $B \rightarrow PPP$  Decays: the Fully-Symmetric Final State, Bhuvanjiyoti Bhattacharya, Michael Gronau, Maxime Imbeault, David London, and Jonathan L. Rosner, Enrico Fermi Institute Report 14-2, arXiv:1402.2909, Phys. Rev. D **89**, 074043 (2014).
420. Three sterile neutrinos in  $E_6$ , Enrico Fermi Institute Report 14-8, arXiv:1404.5198, Phys. Rev. D **90**, 035005 (2014).
421. Asymmetry in  $\Lambda_b$  and  $\bar{\Lambda}_b$  production, Enrico Fermi Institute Report 14-12, arXiv:1405.2885, Phys. Rev. D **90**, 014023 (2014).

422. Baryons with two heavy quarks: Masses, production, decays, and detection, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 14-28, arXiv:1408.5877, Phys. Rev. D **90**, 094007 (2014).
423. Interpretation of an "edge" in proton-proton scattering, Enrico Fermi Institute Report 14-34, arXiv:1409.5813, Phys. Rev. D **90** 117902 (2014).
424.  $X(3872)$ ,  $X_b$ , and the  $\chi_{b1}(3P)$  state, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 14-39, arXiv:1410.7729, Phys. Rev. D **91**, 014014 (2015).
425. Radiative return capabilities of a high-energy, high-luminosity  $e^+e^-$  collider, Marek Karliner, Matthew Low, Jonathan L. Rosner, and Lian-Tao Wang, Enrico Fermi Institute Report 15-1, arXiv:1503.07209, Phys. Rev. D **92**, 035010 (2015).
426. Low-energy photon production in neutrino neutral-current interactions, Enrico Fermi Institute Report 15-12, arXiv:1502.01704, Phys. Rev. D **91**, 093001 (2015).
427. Sterile Neutrinos in  $E_6$ , presented at International Conference on Massive Neutrinos, Singapore, Feb. 9–13, 2015, Enrico Fermi Institute Report 15-15, arXiv:1503.03854, published in Mod. Phys. Lett. A **30**, No. 18 (2015) 1530013 (World Scientific, 2015).
428. Prospects for observing the lowest-lying odd-parity  $\Sigma_c$  and  $\Sigma_b$  baryons, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 15-16, arXiv:1506.01702, Phys. Rev. D **92** 074026 (2015).
429. Triple product asymmetries in  $\Lambda_b$  and  $\Xi_b^0$  decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 15-18, arXiv:1506.01346, Phys. Lett. B **749**, 104 (2015).
430. New exotic meson and baryon resonances from doubly-heavy hadronic molecules, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 15-20, arXiv:1506.06386, Phys. Rev. Lett **115**, 122001 (2015).
431. Test for exotic isoscalar resonance dominating  $D^0 \rightarrow \pi^+\pi^-\pi^0$  decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 15-22, arXiv:1507.03565, Phys. Rev. D **92**, 114018 (2015).
432. Photoproduction of Exotic Baryon Resonances, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 15-25, arXiv:1508.01496, Phys. Lett. B **752**, 329 (2015).
433. Comment on "A possible explanation of the  $D^0$  like-sign dimuon charge asymmetry," Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 15-29, arXiv: 1509.01109, Phys. Rev. D **92**, 078501 (2015).

434. S-wave nonleptonic hyperon decays and  $\Xi_b^- \rightarrow \pi^- \Lambda_b$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 15-39, arXiv: 1512.06700, Phys. Rev. D **93**, 034020 (2016).
435. Exotic resonances due to  $\eta$  exchange, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 16-01, arXiv:1601.00565, Nucl. Phys. A **954**, 365 (2016).
436. From  $\Xi_b \rightarrow \Lambda_b \pi$  to  $\Xi_c \rightarrow \Lambda_c \pi$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 16-09, arXiv:1603.07309, Phys. Lett. B **757**, 330 (2016).
437.  $E_6$  and a 750 GeV diphoton resonance, Aniket Joglekar and Jonathan L. Rosner, Enrico Fermi Institute Report 16-10, arXiv:1607.06900, title changed to “Searching for signatures of  $E_6$ ,” Phys. Rev. D **96**, 015026 (2017).
438. Improving the measurement of the CKM phase  $\phi_2 = \alpha$  in  $B \rightarrow \pi\pi$  and  $B \rightarrow \rho\rho$  decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 16-13, arXiv:1608.06224, Phys. Lett. B **763**, 228 (2016).
439. Production and decay of  $QQ\bar{Q}\bar{Q}$  states, Marek Karliner, Shmuel Nussinov, and Jonathan L. Rosner, Enrico Fermi Institute Report 16-22, arXiv:1611.00348, Phys. Rev. D **95**, 034011 (2017).
440. Controlling  $\rho$  width effects for a precise value of  $\alpha$  in  $B \rightarrow \rho\rho$ , Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 16-27, arXiv:1612.08524, Phys. Lett. B **766**, 345 (2017).
441. Very narrow excited  $\Omega_c$  baryons, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-8, arXiv:1703.07774, Phys. Rev. D **95**, 114012 (2017).
442.  $J/\psi N$  photoproduction on deuterium as a test for exotic baryons, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-12, arXiv:1705.07691, submitted to Physics Letters B.
443. Isospin splittings in baryons with two heavy quarks, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-14, arXiv:1706.06961, Phys. Rev. D **96**, 033004 (2017).
444. Strange baryons with two heavy quarks, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-16, arXiv:1803.01657, Phys. Rev. D **97**, 094006 (2018).
445. Discovery of doubly-charmed  $\Xi_{cc}$  baryon implies a stable  $bb\bar{u}\bar{d}$  tetraquark, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-17, arXiv:1707.07666, Phys. Rev. Lett. **119**, 202001 (2017).

446. Quark-level analogue of nuclear fusion with doubly-heavy baryons, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 17-19, arXiv:1708.02547, Nature **551**, 89–91 (2017).
447. Multiquark States, Marek Karliner, Jonathan L. Rosner, and Tomasz Skwarnicki, arXiv:1711.10626, Annual Review of Nuclear and Particle Science **68**, 17–44 (2018).
448. Overview of  $\Lambda_c$  decays, Michael Gronau and Jonathan L. Rosner, Enrico Fermi Institute Report 18-2, arXiv:1803.02267, Phys. Rev. D **97**, 116015 (2018).
449. Addendum to “Overview of  $\Lambda_c$  decays,” Michael Gronau, Jonathan L. Rosner, and C. G. Wohl, Enrico Fermi Institute Report 18-10, arXiv:1808.03720, Phys. Rev. D **98**, 073003 (2018).
450. Scaling of P-wave excitation energies in heavy-quark systems, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 18-11, arXiv:1808.07869, Phys. Rev. D **98**, 074026 (2018).
451. Opportunities in Flavour Physics at the HL-LHC and HE-LHC (Report from Working Group 4 on the Physics of the HL-LHC, and Perspectives at the HE-LHC), A. Cerri *et al.*, CERN-LPCC-2018-05, arXiv:1812.07638.
452. Status of isospin splittings in mesons and baryons, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 18-19, arXiv:1906.07799, Phys. Rev. D **100**, 073006 (2019).
453. Heavy-quark exotics, talk presented at Workshop on Electroweak Processes of Hadrons, Bled, Slovenia, July 15–19, 2019 Enrico Fermi Institute Report 19-9, Vol. 20, No. 1 of the serial publication “BLED WORKSHOPS IN PHYSICS,” published by the Society of Mathematicians, Physicists, and Astronomers of Slovenia, pp. 48-56.
454. LHCb gets closer to discovering the second doubly charmed baryon, Marek Karliner and Jonathan L. Rosner, viewpoint on the article “Search for the doubly charmed baryon  $\Xi_{cc}^+$ ,” R. Aaij *et al.* (LHCb Collaboration), Science China Physics, Mechanics & Astronomy **63** (2), 221064 (2020), arXiv:1912.01963.
455. Mass inequalities for baryons with heavy quarks, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 19-5, arXiv:1912.03024, Phys. Rev. D **101**, 036015 (2020).
456. Duality Between Hydrogen Atom and Oscillator Systems via Hidden  $SO(d,2)$  Symmetry and 2T-physics, Itzhak Bars and Jonathan L. Rosner, Enrico Fermi Institute Report 20-1, arXiv:2001.08818, published in a memorial volume dedicated to Peter Freund, J. Phys. A Math. Theor. **53**, 234001 (2020).

457. Interpretation of excited  $\Omega_b$  signals, Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 20-9, arXiv:2005.12424, Phys. Rev. D **102**, 014027 (2020).
458. First exotic hadron with open heavy flavor:  $cs\bar{u}\bar{d}$  tetraquark, Marek Karliner and Jonathan L. Rosner, arXiv:2008.05993, Enrico Fermi Institute Report 20-15, Phys. Rev. D **102**, 094016 (2020).
459. Interpretation of structure in the di- $J/\psi$  spectrum, Marek Karliner and Jonathan L. Rosner, arXiv:2009.04429, Phys. Rev. D **102**, 114039 (2020).
460. Strange pentaquarks and excited  $\Xi$  hyperons in  $\Xi_b \rightarrow J/\psi \Lambda K^-$  final states, Marek Karliner and Jonathan L. Rosner, arXiv:2104.15077, Science Bulletin (China) **66**, 1256 (2021).
461. Comments on new heavy exotic  $Z_{cs}$  states, Marek Karliner and Jonathan L. Rosner, 2021, Science Bulletin **66**, 20, 2045-2046, 30 October 2021.
462. Configuration mixing in strange tetraquarks  $Z_{cs}$ , Marek Karliner and Jonathan L. Rosner, Enrico Fermi Institute Report 21-5, arXiv:2107.04915, Phys. Rev. D **104**, 034033 (2021).
463. Doubly charmed strange tetraquark, Marek Karliner and Jonathan L. Rosner, arXiv:2110.12054, Phys. Rev. D **105**, 034020 (2022).
464. Substructure of Multiquark Hadrons (White Paper), Nora Brambilla *et al.*, corresponding authors Marek Karliner and Elena Santopino, prepared for the Snowmass 2022 long-range plan for high energy physics, arXiv:2203.16583, to be published in Frontiers of Physics.
465. New strange pentaquarks, Marek Karliner and Jonathan L. Rosner, arXiv:2207.07581, Enrico Fermi Institute Report 22-7, Phys. Rev. D **206**, 036024 (2022).

Publications in Experimental Physics

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1. Extensive Air Shower Radio Detection: Recent Results and Outlook, with Denis A. Suprun, Enrico Fermi Institute Report 2000-57, astro-ph/0101089, invited talk presented at RADHEP-2000 Conference, UCLA, Nov. 16–18, 2000, in *Radio Detection of High Energy Particles* (First International Workshop – RADHEP 2000, Los Angeles, California, 2000), edited by David Saltzberg and Peter Gorham, AIP Conference Proceedings No. 579 (AIP, Melville, NY, 2001), pp. 81–97.
2. A Prototype System for Detecting the RF Pulse Associated With Cosmic Ray Air Showers, with Kevin Green, Denis Suprun, and J. F. Wilkerson, Enrico Fermi Institute Report 2000-14, astro-ph/0205046, Nucl. Instr. Meth. A **498**, 256–288 (2003).
3. First Observation of a  $\Upsilon(1D)$  State, G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report CLNS 04/1866, hep-ex/0404021, Phys. Rev. D **70**, 032001 (2004).
4. First Observation and Dalitz Analysis of the  $D^0 \rightarrow K_S^0 \eta \pi^0$  Decay, P. Rubin *et al.* [CLEO Collaboration], Cornell University Report CLNS 04/1871, hep-ex/0405011, Phys. Rev. Lett. **93**, 111801 (2004).
5. Search for the  $1^1P_1$  State of Charmonium in  $\psi'$  Decays, with Hajime Muramatsu, CLEO Internal Document CBX 04-20, July, 2004. Updated version: Inclusive Study of  $\psi' \rightarrow \pi^0 h_c(1^1P_1) \rightarrow \pi^0 \gamma \eta_c$ , with Hajime Muramatsu, CLEO Internal Document CBX 05-13, March 2005.
6. Observation of  $1^-0^-$  Final States from  $\psi(2S)$  Decays and  $e^+e^-$  Annihilation, N. E. Adam *et al.* [CLEO Collaboration], Cornell University Report CLNS 04/1884, hep-ex/0407028, Phys. Rev. Lett. **94**, 012005 (2005).
7. New Measurements of  $\Upsilon(1S)$  Decays to Charmonium Final States, R. A. Briere, *et al.* [CLEO Collaboration], Cornell University Report CLNS 04/1883, hep-ex/0407030, Phys. Rev. D **70**, 072001 (2004).
8. \*Study of Semileptonic Charm Decays  $D^0 \rightarrow \pi^- \ell^+ \nu$  and  $D^0 \rightarrow K^- \ell^+ \nu$ , G. S. Huang *et al.* [CLEO Collaboration], Cornell University Report CLNS 04/1876, hep-ex/0407035, Phys. Rev. Lett. **94**, 011802 (2005).
9. Measurement of the Muonic Branching Fraction of the Narrow  $\Upsilon$  Resonances, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1887, CLEO-CONF-04-04, ICHEP-04-ABS-10-0774, hep-ex/0408010, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.

10. Search for the Lepton-Flavor-Violating Leptonic  $B$  Decays  $B^0 \rightarrow \mu^\pm \tau^\mp$  and  $B^0 \rightarrow e^\pm \tau^\mp$ , A. Bornheim *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1882, CLEO-04-7, hep-ex/0408011, Phys. Rev. Lett. **93**, 241802 (2004).
11. Search for  $X(3872)$  in Untagged  $\gamma\gamma$  Fusion and Initial State Radiation Production with CLEO III, Z. Metreveli *et al.* [CLEO Collaboration], Cornell University Report CLEO-CONF-04-7, ICHEP04-ABS10-0768, hep-ex/0804057, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.
12. Hadronic Branching Fractions of  $D^0$  and  $D^+$ , and  $\sigma(e^+e^- \rightarrow D\bar{D})$  at  $E_{\text{cm}} = 3.77$  GeV, B. I. Eisenstein *et al.* [CLEO Collaboration], Cornell University Report CLEO-CONF-04-10, ICHEP04-ABS11-0775, hep-ex/0408055, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.
13. Evidence for  $B_s^{(*)}\bar{B}_s^{(*)}$  Production at the  $\Upsilon(5S)$ , D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report CLEO-CONF-04-13, ICHEP04-ABS11-0778, hep-ex/0804070, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.
14. Measurement of  $\mathcal{B}(D^+ \rightarrow \mu^+\nu)$  and the Pseudoscalar Decay Constant  $f_{D^+}$ , D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLEO-CONF-04-11, ICHEP04-ABS11-0776, hep-ex/0408071, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.
15. First CLEO-c Results on Exclusive  $D^0$  Semileptonic Decays, K. Y. Gao *et al.* [CLEO Collaboration], Cornell University Report CLEO-CONF-04-3, ICHEP04-ABS8-0781, hep-ex/0408077, presented at 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, August 16–22, 2004.
16. Photon Transitions in  $\psi(2S)$  Decays to  $\chi_{cJ}(1P)$  and  $\eta_c(1S)$ , S. B. Athar *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1886, CLEO-04-10, hep-ex/0408133, Phys. Rev. D **70**, 112002 (2004).
17. Measurement of the Muonic Branching Fractions of the Narrow  $\Upsilon$  Resonances, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1887, CLEO-04-11, hep-ex/0409027, Phys. Rev. Lett. **94**, 012001 (2005).
18. \*Search for  $X(3872)$  in  $\gamma\gamma$  Fusion and ISR at CLEO, S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1892, CLEO-04-12, hep-ex/0410038, Phys. Rev. Lett. **94**, 032004 (2005).
19. A New Measurement of the Masses and Widths of the  $\Sigma_c^{*++}$  and  $\Sigma_c^{*0}$  Charmed Baryons, S. B. Athar *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1893, CLEO-04-13, hep-ex/0410088, Phys. Rev. D **71**, 051101 (2005).

20. Measuring  $\mathcal{B}(D^+ \rightarrow \mu^+\nu)$  and the Pseudoscalar Decay Constant  $f_{D^+}$ , G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1896, CLEO-04-15, hep-ex/0411050, Phys. Rev. D **70**, 112004 (2004).
21. Photon Transitions in  $\Upsilon(2S)$  and  $\Upsilon(3S)$  Decays, M. Artuso *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1897, CLEO-04-16, hep-ex/0411068, Phys. Rev. Lett. **94**, 032001 (2005).
22. Search for  $e^+e^- \rightarrow \Lambda_b^0 \bar{\Lambda}_b^0$  Near Threshold, D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1895, CLEO-04-14, hep-ex/0411078, Phys. Rev. D **71**, 012004 (2005).
23. The Search for  $\eta(1440) \rightarrow K_S^0 K^\pm \pi^\mp$  in Two-Photon Fusion at CLEO, R. Ahohe *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1900, CLEO-04-14, hep-ex/0501026, Phys. Rev. D **71**, 072001 (2005).
24. Study of  $\tau$  Decays to Four-Hadron Final States with Kaons, K. Arms *et al.* [CLEO Collaboration], Cornell University Report CLNS-04-1899, CLEO-04-17, hep-ex/0501042, Phys. Rev. Lett. **94**, 241802 (2005).
25. +Search for RF Interference Sources Near the CLEO Detector, with John Dobbins, CLEO Internal Document CBX 05-5, January, 2005.
26. Limits on Neutral  $D$  Mixing in Semileptonic Decays, C. Cawfield *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1907, CLEO-05-02, hep-ex/0502012, Phys. Rev. D **71**, 077101 (2005).
27. Measurement of the Branching Fractions for  $J/\psi \rightarrow \ell^+\ell^-$ , Z. Li *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1910, CLEO-05-05, hep-ex/0503027, Phys. Rev. D (Rapid Communications) **71**, 111103 (2005).
28. Search for  $D^0-\bar{D}^0$  Mixing in the Dalitz Plot Analysis of  $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ , D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1908, CLEO-05-03, hep-ex/0503045, Phys. Rev. D **72**, 012001 (2005).
29. Branching Fractions for  $\psi(2S) \rightarrow J/\psi$  Transitions, N. E. Adam *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1909, CLEO-05-04, hep-ex/0503028, Phys. Rev. Lett. **94**, 232002 (2005).
30. Searches for CP Violation and  $\pi\pi$  S-Wave in the Dalitz Plot of  $D^0 \rightarrow \pi^+ \pi^- \pi^0$ , D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1916, CLEO-05-8, hep-ex/0503052, Phys. Rev. D **72**, 031102 (2005).
31. Measurement of Absolute Hadronic Branching Fractions of  $D$  Mesons and  $e^+e^- \rightarrow D\bar{D}$  Cross Sections at  $E_{\text{CM}} = 3773$  MeV, Q. He *et al.* [CLEO Collaboration], CLNS-05-1914, CLEO-05-6, hep-ex/0504003, Phys. Rev. Lett. **95**, 121801 (2005).



32. Observation of Thirteen New Exclusive Multi-Body Hadronic Decays of the  $\psi(2S)$ , R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report 05/1917, CLEO-05-9, hep-ex/0505101, Phys. Rev. Lett. **95**, 062001 (2005).
33. Branching Fraction Measurements of  $\psi(2S)$  Decay to Baryon-Antibaryon Final States, T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1918, CLEO-05-10, hep-ex/0505057, Phys. Rev. D **72**, 051108(R) (2005).
34. Observation of the  $h_c(^1P_1)$  State of Charmonium, J. L. Rosner *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1919, CLEO-05-11, hep-ex/0505073, Phys. Rev. Lett. **95**, 102003 (2005).
35. +Observation of the  $^1P_1$  State of Charmonium, P. Rubin *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1920, CLEO-05-12, hep-ex/0508037, Phys. Rev. D **72**, 092004 (2005).
36. Absolute Branching Fraction Measurements of Exclusive  $D^0$  Semileptonic Decays, T. E. Coan *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1906, CLEO-05-01, hep-ex/0506052, Phys. Rev. Lett. **95**, 181802 (2005).
37. Absolute Branching Fraction Measurements of Exclusive  $D^+$  Semileptonic Decays, G. S. Huang *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1915, CLEO-05-07, hep-ex/0506053, Phys. Rev. Lett. **95**, 181801 (2005).
38. Observation of  $\psi(3770) \rightarrow \pi\pi J/\psi$  and Measurement of  $\Gamma_{ee}[\psi(2S)]$ , N. E. Adam *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1926, CLEO 05-14, hep-ex/0508023, Phys. Rev. Lett. **96**, 082004 (2006).
39. +CLEO Dalitz Plot Results, Jonathan L. Rosner, Enrico Fermi Institute Report 05-08, hep-ex/0508024, in *Beauty 2005* (Proceedings of the 9th International Conference on  $B$ -physics at Hadron Machines, Assisi, Italy, June 20–24, 2005), Nucl. Phys. B Proc. Suppl. **156**, 48–51 (2006).
40. +CLEO Spectroscopy Results, Jonathan L. Rosner, Enrico Fermi Institute Report 05-09, hep-ex/0508028, in *Beauty 2005* (Proceedings of the 9th International Conference on  $B$ -physics at Hadron Machines, Assisi, Italy, June 20–24, 2005), Nucl. Phys. B Proc. Suppl. **156**, 163–168 (2006).
41. Search for Rare and Forbidden Decays  $D^+ \rightarrow h^\pm e^\mp e^+$ , Q. He *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1928, CLEO 05-16, hep-ex/0508031, Phys. Rev. Lett. **95**, 221802 (2005).
42. First Evidence and Measurement of  $B_s^{(*)}\bar{B}_s^{(*)}$  Production at the  $\Upsilon(5S)$ , M. Artuso *et al.* [CLEO Collaboration]. Cornell University Report CLNS-05-1930, CLEO 05-18, hep-ex/0508047, Phys. Rev. Lett. **95**, 261801 (2005).

43. Improved Measurement of  $\mathcal{B}(D^+ \rightarrow \mu^+ \nu)$  and the Pseudoscalar Decay Constant  $f_{D^+}$ , M. Artuso *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1932, CLEO 05-20, hep-ex/0508057, Phys. Rev. Lett. **95**, 251801 (2005).
44. Decay of the  $\psi(3770)$  into Light Hadrons, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1933, CLEO 05-21, hep-ex/0509011, Phys. Rev. D **73**, 012002 (2006).
45. First Observation of  $\psi(3770) \rightarrow \gamma \chi_{c1} \rightarrow \gamma \gamma J/\psi$ , T. E. Coan *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1931, CLEO 05-19, hep-ex/0509030, Phys. Rev. Lett. **96**, 182002 (2006).
46. Search for Exclusive Multi-Body Non- $D\bar{D}$  Decays at the  $\psi(3770)$ , G. S. Huang *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1921, CLEO 05-13, hep-ex/0509046, Phys. Rev. Lett. **96**, 032003 (2006).
47. Precision Measurements of the Timelike Electromagnetic Form Factors of Pion, Kaon, and Proton, T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1936, CLEO 05-24, hep-ex/0510005, Phys. Rev. Lett. **95**, 261803 (2005).
48. Experimental Study of  $\chi_b(2P) \rightarrow \pi\pi\chi_b(1P)$ , C. Cawfield *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1937, CLEO 05-25, hep-ex/0511019, Phys. Rev. D **73**, 012003 (2006).
49. Observation of  $B_s^* \bar{B}_s^*$  Production at the  $\Upsilon(5S)$  Resonance, G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1934, CLEO 05-22, hep-ex/0510034, Phys. Rev. Lett. **96**, 022002 (2006).
50. Radiative Decays of the  $\Upsilon(1S)$  to a Pair of Charged Hadrons, S. B. Athar *et al.*, Cornell University Report CLNS-05-1929, CLEO 05-17, hep-ex/0510015, Phys. Rev. D **73**, 032001 (2006).
51. \*Two Photon Width of  $\chi_{c2}$ , S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1935, CLEO 05-23, hep-ex/0510033, Phys. Rev. D **73**, 071101(R) (2006).
52. Radiative Decays of the  $\Upsilon(1S)$  to  $\gamma\pi^0\pi^0$ ,  $\gamma\eta\eta$ , and  $\gamma\pi^0\eta$ , D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS-05-1940, CLEO 05-28, hep-ex/0512003, submitted to Phys. Rev. D.
53. Measurement of  $\sigma(e^+e^- \rightarrow \psi(3770) \rightarrow \text{hadrons})$  at  $E_{\text{cm}} = 3773$  MeV, D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1939, CLEO 05-27, hep-ex/0512038, Phys. Rev. Lett. **96**, 092002 (2006).
54. Measurement of  $\Gamma_{ee}(J/\psi)$ ,  $\Gamma_{\text{tot}}(J/\psi)$ , and  $\Gamma_{ee}[\psi(2S)]/\Gamma_{ee}(J/\psi)$ , G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1945, CLEO 05-31, hep-ex/0512046, Phys. Rev. D **73**, 051103(R) (2006).

55. Di-electron Widths of the  $\Upsilon(1S, 2S, 3S)$  Resonances, J. L. Rosner *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1944, CLEO 05-30, hep-ex/0512056, Phys. Rev. Lett. **96**, 092003 (2006).
56. Measurement of the Direct Photon Spectrum in  $\Upsilon(1S)$ ,  $\Upsilon(2S)$ , and  $\Upsilon(3S)$  Decays, D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1927, CLEO 05-15, hep-ex/0512061, Phys. Rev. D **74**, 012003 (2006).
57. New Measurements of Cabibbo-Suppressed Decays of  $D$  Mesons with the CLEO-c Detector, P. Rubin *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1943, CLEO 05-29, hep-ex/0512063, Phys. Rev. Lett. **96**, 081802 (2006).
58. Experimental Limits on Weak Annihilation Contributions to  $b \rightarrow ul\nu$  Decay, J. L. Rosner *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1938, CLEO 05-26, hep-ex/0601027, Phys. Rev. Lett. **96**, 121801 (2006).
59. Measurements of the Exclusive Decays of the  $\Upsilon(5S)$  to  $B$  Meson Final States and Improved  $B_s^*$  Mass Measurement, O. Aquines *et al.* [CLEO Collaboration], Cornell University Report CLNS-05/1950, CLEO 06-1, hep-ex/0604011, Phys. Rev. Lett. **96**, 152001 (2006).
60. Charmonium Decays of  $Y(4260)$ ,  $\psi(4160)$ , and  $\psi(4040)$ , T. E. Coan *et al.* [CLEO Collaboration], Cornell University Report CLNS-06-1952, CLEO 06-02, hep-ex/0602034, Phys. Rev. Lett. **96**, 162003 (2006).
61. Measurement of Interference between Electromagnetic and Strong Amplitudes in  $\psi(2S)$  Decays to Two Pseudoscalar Mesons, S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report CLNS 05/1947, CLEO 05-33, hep-ex/0603020, Phys. Rev. D **74**, 011105(R) (2006).
62. Search for the Non- $D\bar{D}$  Decay  $\psi(3770) \rightarrow K_S^0 K_L^0$ , D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report CLNS 05/1946, CLEO 05-32, hep-ex/0603026, Phys. Rev. D **74**, 012005 (2006).
63. +CLEO and Charmonium Below Charm Threshold, David G. Cassel and Jonathan L. Rosner, *CERN Courier* **46** (5), June 2006, pp. 33-35.
64. Absolute Branching Fraction Measurements for  $D^+$  and  $D^0$  Inclusive Semileptonic Decays, N. E. Adam *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1957, CLEO 06-06, hep-ex/0604044, to be published in Phys. Rev. Letters.
65. Investigation of  $D^+ \rightarrow \tau^+ \nu$ , P. Rubin *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1958, CLEO 06-07, hep-ex/0604043, Phys. Rev. D **73**, 112005 (2006).

66. \*Measurement of Interfering  $K^{*+}K^-$  and  $K^{*-}K^+$  Amplitudes in the Decay  $D^0 \rightarrow K^+K^-\pi^0$ , C. Cawlfeld *et al.* [CLEO Collaboration], Cornell University Report 06/1956. CLEO 06-05, hep-ex/0606045, Phys. Rev. D **74**, 031108(R) (2006).
67. Observation of  $\psi(3770) \rightarrow \gamma\chi_{c0}$ , R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report 06/1955, CLEO 06-04, hep-ex/0605070, Phys. Rev. D **74**, 031106(R) (2006).
68. Model Independent Measurement of Form Factors in the Decay  $D^+ \rightarrow K^-\pi^+e^+\nu_e$ , M. R. Shepherd *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1960, CLEO 06-09, hep-ex/0606010, Phys. Rev. D **74**, 052001 (2006).
69. First Observation of  $\Upsilon(3S) \rightarrow \tau\tau$  and Tests of Lepton Universality in  $\Upsilon$  Decays, D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1961, CLEO 06-10, hep-ex/0607019, Phys. Rev. Lett. **98**, 052002 (2007).
70. Branching Fraction for the Doubly-Cabibbo-Suppressed Decay  $D^+ \rightarrow K^+\pi^0$ , S. A. Dytman *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1969, CLEO 06-14, hep-ex/0609008, Phys. Rev. D **74**, 071102 (2006); Erratum *ibid.* D **74**, 079904 (2006).
71. Improved Measurement of the Branching Fraction and Energy Spectrum of  $\eta'$  from  $\Upsilon(1S)$  Decays, O. Aquines *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1970, CLEO 06-15, hep-ex/0610032, Phys. Rev. D **74**, 092006 (2006).
72. Measurement of  $\mathcal{B}(\Upsilon(5S) \rightarrow B_s^{(*)}\overline{B}_s^{(*)})$  Using  $\phi$  Mesons, G. S. Huang *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1973, CLEO 06-16, hep-ex/0610035, Phys. Rev. D **75**, 012007 (2007).
73. Measurement of Inclusive Production of  $\eta$ ,  $\eta'$ , and  $\phi$  Mesons in  $D^0$ ,  $D^+$ , and  $D_s^+$  Decays, G. S. Huang *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1975, CLEO 06-17, hep-ex/0610008, Phys. Rev. D **74**, 112005 (2006).
74. \* $\chi_{c0}$  and  $\chi_{c2}$  Decays into  $\eta\eta$ ,  $\eta\eta'$ , and  $\eta'\eta'$  Final States, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1976, CLEO 06-18, hep-ex/0611013, Phys. Rev. D **75**, 071101 (2007), Erratum *ibid.* D **75**, 079901 (2007).
75. Confirmation of the  $Y(4260)$  Resonance Production in ISR, Q. He *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1977, CLEO 06-19, hep-ex/0611021, Phys. Rev. D **74**, 091104(R) (2006).
76. Search for  $\psi(2S) \rightarrow \eta_c\pi^+\pi^-\pi^0$ , T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1965, CLEO 06-11, hep-ex/0611027, Phys. Rev. D **75**, 011102(R) (2007).

77.  $^*\chi_{cJ}$  Decays to  $h^+h^-h^0$ , S. B. Athar *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1980, CLEO 06-20, hep-ex/0611032, Phys. Rev. D **75**, 032002 (2007).
78. Anti-deuteron Production in  $\Upsilon(nS)$  Decays and the Nearby Continuum, D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1953, CLEO 06-03, hep-ex/0612019, Phys. Rev. D **75**, 012009 (2007).
79. Search for invisible decays of the  $\Upsilon(1S)$  resonance, P. Rubin *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1985, CLEO 06-25, hep-ex/0612051, Phys. Rev. D **75**, 031104(R) (2007).
80. Precision Determination of the  $D^0$  Mass, C. Cawlfeld *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1986, CLEO 06-26, hep-ex/0701016, Phys. Rev. Lett. **98**, 092002 (2007).
81. A Study of Exclusive Charmless Semileptonic  $B$  Decay and  $|V_{ub}|$ , N. Adam *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1982, CLEO 06-22, hep-ex/0703041, Phys. Rev. Lett. **99**, 041802 (2007).
82. A Study of Exclusive Charmless Semileptonic  $B$  Decays and Extraction of  $|V_{ub}|$  at CLEO, R. Gray *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1983, CLEO 06-23, hep-ex/0703042, Phys. Rev. D **76**, 012007 (2007).
83. Measurement of the Decay Constant  $f_{D_s^+}$  using  $D_s^+ \rightarrow \ell^+\nu$ , M. Artuso *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1989, CLEO 07-01, arXiv:0704.0629 [hep-ex], Phys. Rev. Lett. **99**, 071802 (2007).
84. Measurement of  $\mathcal{B}(D_s^+ \rightarrow \ell^+\nu)$  and the Decay Constant  $f_{D_s^+}$ , T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1990, CLEO 07-02, arXiv:0704.0437 [hep-ex], Phys. Rev. D **76**, 072002 (2007).
85. Comparison of Particle Production in Quark and Gluon Fragmentation at  $\sqrt{s} \sim 10$  GeV, R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1984, CLEO 06-24. arXiv:0704.2766 [hep-ex], Phys. Rev. D **76**, 012005 (2007).
86. Measurement of Upper Limits for  $\Upsilon \rightarrow \gamma + R$  Decays, J. L. Rosner *et al.* [CLEO Collaboration], Cornell University Report CLNS 06/1981, CLEO 06-21, arXiv:0704.2773 [hep-ex], Phys. Rev. D **76**, 117102 (2007).
87. Search for Radiative Decays of  $\Upsilon(1S)$  into  $\eta$  and  $\eta'$ , S. B. Athar *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1995, CLEO 07-05, arXiv:0704.3063 [hep-ex], Phys. Rev. D **76**, 072003 (2007).
88. Dalitz Plot Analysis of the  $D^+ \rightarrow \pi^-\pi^+\pi^+$  Decay, G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1993, CLEO 07-3, arXiv:0704.3954 [hep-ex], Phys. Rev. D **76**, 012001 (2007).

89. Evidence for the Decay  $D^0 \rightarrow K^- \pi^+ \pi^- e^+ \nu_e$ , M. Artuso *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1994, CLEO 07-4, arXiv:0705.4276 [hep-ex], to be published in Phys. Rev. Letters.
90. Study of Di-Pion Transitions Among  $\Upsilon(3S)$ ,  $\Upsilon(2S)$ , and  $\Upsilon(1S)$  States, D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1997. CLEO 07-6, arXiv:0706.2317 [hep-ex], Phys. Rev. D **76**, 072001 (2007).
91. Measurement of the Total Hadronic Cross Section in  $e^+e^-$  Annihilations, D. Besson *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/1998, CLEO 07-7, arXiv:0706.2813 [hep-ex], Phys. Rev. D **76**, 072008 (2007).
92. Measurement of prominent  $\eta$  decay branching fractions, A. Lopez *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/2002, CLEO 07-10, arXiv:0707.0601 [hep-ex], Phys. Rev. Lett. **99**, 122001 (2007).
93. Measurement of the  $\eta$ -Meson Mass using  $\psi(2S) \rightarrow \eta J/\psi$ , D. H. Miller *et al.* [CLEO Collaboration], Cornell University Report CLNS 07/2003, CLEO 07-09, arXiv:0707.1810 [hep-ex], Phys. Rev. Lett. **99**, 122002 (2007).
94. Suppressed Decays of  $D_s^+$  Mesons to Two Pseudoscalar Mesons, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report 07/2004, CLEO 07-08, arXiv:0708.0139 [hep-ex], Phys. Rev. Lett. **99**, 191805 (2007).
95. Measurement of Absolute Branching Fractions of  $D$  Mesons and  $e^+e^- \rightarrow D\bar{D}$  Cross Sections at the  $\psi(3770)$ , S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report 07/2005, CLEO 07-11, arXiv:0709.3783 [hep-ex], Phys. Rev. D **76**, 112001 (2007).
96. Comparison of  $D \rightarrow K_S^0 \pi$  and  $D \rightarrow K_L^0 \pi$  Decay Rates, Q. He *et al.* [CLEO Collaboration], Cornell University Report 07/2008, CLEO 07-13, arXiv:0711.1463 [hep-ex], Phys. Rev. Lett. **100**, 091801 (2008).
97. +Evidence for  $\Upsilon(2S) \rightarrow \eta \Upsilon(1S)$  and Search for  $\Upsilon(2S) \rightarrow \pi^0 \Upsilon(1S)$  and  $\Upsilon(3S) \rightarrow \eta \Upsilon(1S)$ , H. Muramatsu, T. Pedlar, Jonathan L. Rosner, and J. Xavier, CLEO Internal Document CBX 07-13, November, 2007; updated May, 2008.
98. A Study of the Decays  $D^0 \rightarrow \pi^- e^+ \nu_e$ ,  $D^0 \rightarrow K^- e^+ \nu_e$ ,  $D^+ \rightarrow \pi^0 e^+ \nu_e$ , and  $D^+ \rightarrow \bar{K}^0 e^+ \nu_e$ , D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report 06/1967, CLEO 06-12, arXiv:0712.0998 [hep-ex], to be published in Phys. Rev. Letters.
99. A Study of the Semileptonic Charm Decays  $D^0 \rightarrow \pi^- e^+ \nu_e$ ,  $D^+ \rightarrow \pi^0 e^+ \nu_e$ ,  $D^0 \rightarrow K^- e^+ \nu_e$ , and  $D^+ \rightarrow \bar{K}^0 e^+ \nu_e$ , S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report 06/1968, CLEO 06-13, arXiv:0712.1020 [hep-ex], submitted to Phys. Rev. D.

100. Measurement of the Absolute Branching Fraction of  $D_s^+ \rightarrow \tau^+ \nu_\tau$  Decay, K. M. Ecklund *et al.* [CLEO Collaboration], Cornell University Report 07/2011, CLEO 07-15, arXiv:0712.1175 [hep-ex], Phys. Rev. Lett. **100**, 161801 (2008).
101. \*Absolute Branching Fractions of Cabibbo-Suppressed  $D \rightarrow K \bar{K}$  Decays, G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report 07/2012, CLEO 07-16, arXiv:0803.0793, Phys. Rev. D **77**, 091106 (2008) (Rapid Communications).
102. Measurement of Charm Production Cross Sections in  $e^+e^-$  Annihilation at Energies between 3.97 and 4.26 GeV, D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report 07/2015, CLEO 07-19, arXiv:0801.3418 [hep-ex], Phys. Rev. D **80**, 072001 (2009).
103. Absolute Measurement of Hadronic Branching Fractions of the  $D_s^+$  Meson, J. P. Alexander *et al.* [CLEO Collaboration], Cornell University Report 07/2016, CLEO 07-20, arXiv:0801:0680 [hep-ex], Phys. Rev. Lett. **100**, 161804 (2008).
104. \*Measurement of exclusive  $D$  meson decays to  $\eta$  and  $\eta'$  final states and SU(3) amplitude analysis, M. Artuso *et al.* [CLEO Collaboration], Cornell University Report 08/2017, CLEO 08-01, arXiv:0802.2664, Phys. Rev. D **77**, 092003 (2008).
105. +Decay Constants of Charged Pseudoscalar Mesons, Jonathan L. Rosner and Sheldon Stone, Enrico Fermi Institute Report 08-03, arXiv:0802:1043, prepared for the 2008 edition of the Review of Particle Properties.
106. Determination of the Strong Phase in  $D^0 \rightarrow K^+ \pi^-$  Using Quantum-Correlated Measurements, J. L. Rosner *et al.* [CLEO Collaboration], Cornell University Report 07/2013, CLEO 07-17, arXiv:0802.2264, Phys. Rev. Lett. **100**, 221801 (2008).
107. Determination of the  $D^0 \rightarrow K \pi$  Relative Strong Phase Using Quantum-Correlated Measurements in  $e^+e^- \rightarrow D^0 \bar{D}^0$  at CLEO, D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report 07/2014, CLEO 07-18, arXiv:0802.2268, Phys. Rev. D **78**, 012001 (2008).
108. Dalitz plot analysis of the  $D^+ \rightarrow K^- \pi^+ \pi^+$  decay, G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report 08/2018, CLEO 08-02, arXiv:0802.4214, Phys. Rev. D **78**, 052001 (2008).
109. Observation of  $D^+ \rightarrow \eta e^+ \nu_e$ , R. E. Mitchell *et al.* [CLEO Collaboration], Cornell University Report 07/2010, CLEO 07-14, arXiv:0802.4222, Phys. Rev. Lett. **102**, 081801 (2009).
110. Two-Photon Widths of the  $\chi_{cJ}$  States of Charmonium, K. M. Ecklund *et al.* [CLEO Collaboration], Cornell University Report 08/2019, CLEO 08-03, arXiv:0803.2869, Phys. Rev. D **78**, 091501(R) (2008).

111. First Observation of the Decay  $D_s^+ \rightarrow p\bar{n}$ , S. B. Athar *et al.* [CLEO Collaboration], Cornell University Report 08/2022, CLEO-08-06, arXiv:0803.1118, Phys. Rev. Lett. **100**, 181802 (2008).
112. +Scalar Mesons in Charm Decays, Enrico Fermi Institute Report 08-06, arXiv:0804.0467, in *Scadron 70* (Proceedings of Workshop on Scalar Mesons and Related Topics Honoring Michael Scadron's 70th Birthday, Lisbon, 11-16 February 2008), American Institute of Physics Conference Proceedings No. 1030, edited by G. Rupp *et al.*, AIP, New York, 2008, pp. 30–39.
113. +Search for  $\Upsilon(3S) \rightarrow (\eta, \pi^0)\Upsilon(nS)$  Transitions, H. Muramatsu, T. Pedlar, Jonathan L. Rosner, and J. Xavier, CLEO Internal Document CBX2008-24, April, 2008; updated May, 2008.
114. Branching Fractions for Transitions of  $\psi(2S)$  to  $J/\psi$ , H. Mendez *et al.* [CLEO Collaboration], Cornell University Report 08/2025, CLEO-08-08, arXiv:0804.4432, Phys. Rev. D **78**, 011102 (2008).
115.  $J/\psi$  and  $\psi(2S)$  Radiative Transitions to  $\eta_c$ , R. E. Mitchell *et al.* [CLEO Collaboration], Cornell University Report 08/2021, CLEO 05-08, arXiv:0805.0252, Phys. Rev. Lett. **102**, 011801 (2009).
116. First Observation of Exclusive  $\chi_{cJ}$  Decays to Two Charged and Two Neutral Hadrons, Q. He *et al.* [CLEO Collaboration], Cornell University Report 07/2007, CLEO 07-12, arXiv:0806.1227 [hep-ex], Phys. Rev. D **78**, 092004 (2008).
117. \*Measurement of Exclusive Baryon-Antibaryon Decays of  $\chi_{cJ}$  Mesons, P. Naik *et al.* [CLEO Collaboration], Cornell University Report 08/2028, CLEO 08-11, arXiv:0806.1715 [hep-ex], Phys. Rev. D **78**, 031101(R) (2008).
118. Precision Measurement of the Mass of the  $h_c(^1P_1)$  State of Charmonium, S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report 08/2020, CLEO-08-04, arXiv:0805.4599, Phys. Rev. Lett. **101**, 182003 (2008).
119. Inclusive Radiative  $J/\psi$  Decays, D. Besson *et al.* [CLEO Collaboration], Cornell University Report 08/2026, CLEO 08-09, arXiv:0806.0315 [hep-ex], Phys. Rev. D **78**, 032012 (2008).
120. Observation of  $J/\psi \rightarrow 3\gamma$ , G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report 08/2027, CLEO 08-10, arXiv:0806.0671 [hep-ex], Phys. Rev. Lett. **101**, 101801 (2008).
121. Precision Measurement of  $\mathcal{B}(D^+ \rightarrow \mu^+\nu)$  and the Pseudoscalar Decay Constant  $f_{D^+}$ , B. I. Eisenstein *et al.* [CLEO Collaboration], Cornell University Report 08/2029, CLEO 08-12, arXiv:0806.2112 [hep-ex], Phys. Rev. D **78**, 052003 (2008).



122. Measurement of the  $\eta'$ -meson mass using  $J/\psi \rightarrow \gamma\eta'$ , J. Libby *et al.* [CLEO Collaboration], Cornell University Report 08/2030, CLEO-08-13, arXiv:0806.2344 [hep-ex], Phys. Rev. Lett. **101**, 182002 (2008).
123. +Study of Exclusive  $\chi_{bj}(1P)$  and  $\chi_{bJ}(2P)$  Decays to Light Hadrons and Search for  $\eta_b$ , Hajime Muramatsu and Jonathan L. Rosner, CLEO Internal Document CBX2008-032, May 2008.
124. +Observation of  $\Upsilon(2S) \rightarrow \eta\Upsilon(1S)$  and search for related transitions, Q. He *et al.* [CLEO Collaboration], Cornell University Report 08/2031, CLEO 08-14, arXiv:0806.3027 [hep-ex], Phys. Rev. Lett. **101**, 192001 (2008).
125. \*Inclusive  $\chi_{bJ}(nP)$  Decays to  $D^0X$ , R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report 08/2024, CLEO 08-07, arXiv:0807.3757 [hep-ex], Phys. Rev. D **78**, 092007 (2008).
126. Search for very light CP-odd Higgs boson in radiative decays of  $\Upsilon(1S)$ , W. Love *et al.* [CLEO Collaboration], Cornell University Report 08/2033, CLEO 08-16, arXiv:0807.1427 [hep-ex], Phys. Rev. Lett. **101**, 151802 (2008).
127. \*Search for CP Violation in the Dalitz-Plot Analysis of  $D^\pm \rightarrow K^+K^-\pi^\pm$ , P. Rubin *et al.* [CLEO Collaboration], Cornell University Report 08/2036, CLEO 08-19, arXiv:0807.4545, Phys. Rev. D **78**, 072003 (2008).
128. Search for Lepton Flavor Violation in Upsilon Decays, W. Love *et al.* [CLEO Collaboration], Cornell University Report 08/2035, CLEO 08-18, arXiv:0807.2695 [hep-ex], Phys. Rev. Lett. **101**, 201601 (2008).
129. Observation of  $\chi_{cJ}$  radiative decays to light vector mesons, J. V. Bennett *et al.* [CLEO Collaboration], Cornell University Report 08/2034, CLEO 08-17, arXiv:0807.3718 [hep-ex], Phys. Rev. Lett. **101**, 151801 (2008).
130. +Observation of  $\chi_b(1P, 2P)$  decays to light hadrons, D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report 08/2037, CLEO 08-20, arXiv:0808.0933 [hep-ex], Phys. Rev. D **78**, 091103(R) (2008).
131. Improved Measurement of Branching Fractions for  $\pi\pi$  Transitions among  $\Upsilon(nS)$  States, S. R. Bhari *et al.* [CLEO Collaboration], Cornell University Report 08/2032, CLEO 08-15, arXiv:0809.1110 [hep-ex], Phys. Rev. D **79**, 011103(R) (2009).
132. \*Observation of  $\eta'$  decays to  $\pi^+\pi^-\pi^0$  and  $\pi^+\pi^-e^+e^-$ , P. Naik *et al.* [CLEO Collaboration], Cornell University Report 08/2040, CLEO 08-22, arXiv:0809.2587, Phys. Rev. Lett. **102**, 061801 (2009).
133. \*New Measurement of Exclusive Decays of the  $\chi_{c0}$  and  $\chi_{c2}$  to Two-Meson Final States, D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report 08/2041, CLEO 08-23, arXiv:0811.0586, Phys. Rev. D **79**, 072007 (2009).

134. Study of  $D^0 \rightarrow \pi^- e^+ \nu_e$ ,  $D^+ \rightarrow \pi^0 e^+ \nu_e$ ,  $D^0 \rightarrow K^- e^+ \nu_e$ , and  $D^+ \rightarrow \bar{K}^0 e^+ \nu_e$  in Tagged Decays of the  $\psi(3770)$  Resonance, J. Y. Ge *et al.* [CLEO Collaboration], Cornell University Report 08/2039, CLEO 08-21, arXiv:0810.3878, Phys. Rev. D **79**, 052010 (2009).
135. Improved Measurement of Absolute Branching Fraction of  $D_s^+ \rightarrow \tau^+ \nu_\tau$ , P. U. E. Onyisi *et al.* [CLEO Collaboration], Cornell University Report 08/2043, CLEO 08-25, arXiv:0901.1147, Phys. Rev. D **79**, 052002 (2009).
136. Measurement of  $\mathcal{B}(D_s^+ \rightarrow \ell^+ \nu)$  and the Decay Constant  $f_{D_s}$  from 600 pb<sup>-1</sup> of  $e^+ e^-$  Annihilation Data Near 4170 MeV, J. P. Alexander *et al.* [CLEO Collaboration], Cornell University Report 08/2044, CLEO 08-26, arXiv:0901.1216, Phys. Rev. D **79**, 052001 (2009).
137. Absolute Branching Fraction Measurements for Exclusive  $D_s$  Semileptonic Decays, J. Yelton *et al.* [CLEO Collaboration], Cornell University Report 08/2045, CLEO 08-27, arXiv:0903.0601, Phys. Rev. D **80**, 051106(R) (2009).
138. Determination of the  $D^0 \rightarrow K^- \pi^+ \pi^+ \pi^-$  and  $D^0 \rightarrow K^- \pi^+ \pi^0$  Coherence Factors and Average Strong-Phase Differences Using Quantum-Correlated Measurements, N. Lowrey *et al.* [CLEO Collaboration], Cornell University Report 08/2047, CLEO 08-29, arXiv:0903.4853, Phys. Rev. D **80**, 031105(R) (2009).
139. Dalitz Plot Analysis of  $D_s^+ \rightarrow K^+ K^- \pi^+$ , R. E. Mitchell *et al.* [CLEO Collaboration], Cornell University Report 08/2048, CLEO 09-01, arXiv:0903.1301, Phys. Rev. D **79**, 072008 (2009).
140. First model-independent determination of the relative strong phase between  $D^0$  and  $\bar{D}^0 \rightarrow K_S^0 \pi^+ \pi^-$  and its impact on the CKM angle  $\gamma/\phi_3$  measurement, R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report 08/2042, CLEO 08-24, arXiv:0903.1681, Phys. Rev. D **80**, 032002 (2009).
141. \*Charmonium decays to  $\gamma\pi^0$ ,  $\gamma\eta$ , and  $\gamma\eta'$ , T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report 09/2050, CLEO 09-03, arXiv:0904.1394 [hep-ex], Phys. Rev. D **79**, 111101(R) (2009).
142. \*Inclusive Yields for  $D_s$  Decays, S. Dobbs *et al.* [CLEO Collaboration], Cornell University Report 09-2052, CLEO-09-03, arXiv:0904.2417 [hep-ex], Phys. Rev. D **79**, 112008 (2009).
143. Improved measurements of  $D^0 \rightarrow \pi^- e^+ \nu_e$ ,  $D^0 \rightarrow K^- e^+ \nu_e$ ,  $D^+ \rightarrow \pi^0 e^+ \nu_e$ , and  $D^+ \rightarrow \bar{K}^0 e^+ \nu_e$  in tagged decays of the  $\psi(3770)$  resonance, D. Besson *et al.* [CLEO Collaboration], Cornell University Report 09/2049, CLEO 09-02, arXiv:0906.2983, Phys. Rev. D **80**, 032005 (2009).
144. Search for  $\bar{D}^0 \rightarrow \bar{p} e^+$  and  $D^0 \rightarrow p e^-$ , P. Rubin *et al.* [CLEO Collaboration], Cornell University Report 08/2046, CLEO 08-28, arXiv:0904.1619 [hep-ex], Phys. Rev. D **79**, 097101 (2009).

145.  $D_s^+$  Exclusive Hadronic Decays Involving  $\omega$ , J. Y. Ge *et al.* [CLEO Collaboration], Cornell University Report 09/2055, CLEO-09-08, arXiv:0906.2138, Phys. Rev. D **80**, 051102(R) (2009).
146. Measurements of  $D$  Meson Decays to Two Pseudoscalar Mesons, H. Mendez *et al.* [CLEO Collaboration], Cornell University Report 09/2054, CLEO 09-07, arXiv:0906.3198, Phys. Rev. D **81**, 052013 (2010).
147. Evidence for Decays of  $h_c$  to Multi-Pion Final States, G. S. Adams *et al.* [CLEO Collaboration], Cornell University Report 09/2056, CLEO 09-09, arXiv:0906.4470, Phys. Rev. D **80**, 051106(R) (2009).
148. Study of the semileptonic decay  $D_s^+ \rightarrow f_0(980)e^+\nu$  and implications for  $B_s^0 \rightarrow J/\psi f_0$ , K. M. Ecklund *et al.* [CLEO Collaboration], Cornell University Report 09/2057, CLEO 09-10, arXiv:0907.3201, Phys. Rev. D **80**, 052009 (2009).
149. Inclusive radiative  $\psi(2S)$  decays, J. Libby *et al.* [CLEO Collaboration], Cornell University Report 09/2053, CLEO 09-06, arXiv:0909.0193, Phys. Rev. D **80**, 072002 (2009).
150. Measurement of the  $\eta_b(1S)$  mass and the branching fraction for  $\Upsilon(3S) \rightarrow \gamma\eta_b(1S)$  [CLEO Collaboration], G. Bonvicini *et al.* [CLEO Collaboration], Cornell University Report 09/2060, CLEO 09-13, arXiv:0909.5474, Phys. Rev. D **81**, 031104(R) (2010).
151. +Higher-order multipole amplitudes in charmonium radiative transitions M. Artuso *et al.* [CLEO Collaboration], Cornell University Report 09/2059, CLEO 09-12, arXiv:0910.0046, Phys. Rev. D **80**, 112003 (2009).
152. Search for  $\psi(2S) \rightarrow \gamma\eta_c(2S)$  via fully reconstructed  $\eta_c(2S)$  decays, D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report 09/2051, CLEO 09-03, arXiv:0910.1324, Phys. Rev. D **81**, 052002 (2010).
153. Measurement of the Pseudoscalar Decay Constant  $f_{D_s}$  Using  $D_s^+ \rightarrow \tau^+\nu$ ,  $\tau^+ \rightarrow \rho^+\nu$  Decays, P. Naik *et al.* [CLEO Collaboration], Cornell University Report 09/2061, CLEO 09-14, arXiv:0910.3602, Phys. Rev. D **80**, 112004 (2009).
154. Measurement of absolute branching fractions of inclusive semileptonic decays of charm and charmed-strange mesons, D. M. Asner *et al.* [CLEO Collaboration], Cornell University Report 09/2062, CLEO 09-15, arXiv:0912.4232, Phys. Rev. D **81**, 052007 (2010).
155.  $D_s^+$  Branching Fractions, Jonathan L. Rosner and C. G. Wohl, mini-review in 2010 edition of Review of Particle Physics, published in K. Nakamura *et al.* (Particle Data Group), J. Phys. G **37**, 075021 (2010), pp. 858-860, reprinted in J. Beringer *et al.* (Particle Data Group), Phys. Rev. D **86**, 010001 (2012), pp. 942-944.

156. Leptonic Decays of Charged Pseudoscalar Mesons, Jonathan L. Rosner and Sheldon Stone, Enrico Fermi Institute Report 10-2, arXiv:1002.1655, expanded version of mini-review prepared for the 2010 edition of Review of Particle Physics, published in K. Nakamura *et al.* (Particle Data Group), J. Phys. G **37**, 075021 (2010), pp. 861–865.
157. Search for the Decay  $J/\psi \rightarrow \gamma + \text{invisible}$ , J. Insler *et al.* [CLEO Collaboration], Cornell University Report 10/2058, CLEO 09-11, arXiv:1003.0417 [hep-ex], Phys. Rev. D **81**, 091101(R) (2010).
158. Analysis of  $D^+ \rightarrow K^- \pi^+ e^+ \nu_e$  and  $D^+ \rightarrow K^- \pi^+ \mu^+ \nu_\mu$  Semileptonic Decays, R. A. Briere *et al.* [CLEO Collaboration], Cornell University Report 10/2063, CLEO 10-01, arXiv:1004.1954 [hep-ex], Phys. Rev. D **81**, 112001 (2010).
159. Update of the measurement of the cross section for  $e^+e^- \rightarrow \psi(3770) \rightarrow \text{hadrons}$ , D. Besson *et al.* [CLEO Collaboration], arXiv:1004.1358 [hep-ex], Phys. Rev. Lett. **104**, 159901 (2010), erratum to Phys. Rev. Lett. **96**, 092002 (2006).
160. Branching fractions for  $\chi_{cJ} \rightarrow p\bar{p}\pi^0$ ,  $p\bar{p}\eta$ , and  $p\bar{p}\omega$ , P. U. E. Onyisi *et al.* [CLEO Collaboration], Cornell University Report 10/2064, CLEO 10-02, arXiv:1005.5374 [hep-ex], Phys. Rev. D **82**, 011103(R) (2010).
161. Study of  $\psi(2S)$  decays to  $\gamma p\bar{p}$ ,  $\pi^0 p\bar{p}$ , and  $\eta p\bar{p}$  and search for  $p\bar{p}$  threshold enhancements, J. P. Alexander *et al.* [CLEO Collaboration], Cornell University Report 10/2065, CLEO 10-03, arXiv:1007.2886 [hep-ex], Phys. Rev. D **82**, 092002 (2010).
162. +Search for  $h_b(1^1P_1)$  state in  $\Upsilon(3S) \rightarrow \pi^0 h_b$ , Hajime Muramatsu, Todd Pedlar, and Jonathan L. Rosner, CLEO Internal Document CBX2010-007, July, 2010.
163. +Measurement of branching fractions for  $\chi_{b0,1,2} \rightarrow \gamma \Upsilon(1S)$  and  $\Upsilon(3S) \rightarrow \gamma \chi_{b1,2}(1P)$ , Hajime Muramatsu, Todd Pedlar, and Jonathan L. Rosner, CLEO Internal Document CBX2010-010, August, 2010.
164. Search for rare and forbidden decays of charm and charmed-strange mesons to final states  $h^\pm e^\mp e^+$ , P. Rubin *et al.* [CLEO Collaboration], Cornell University Report 10/2068, CLEO 10-05, arXiv:1009.1606 [hep-ex], Phys. Rev. D **82**, 092007 (2010).
165. +Measurements of branching fractions for electromagnetic transitions in bottomonium involving the  $\chi_{bJ}(1P)$  states, M. Kornicer *et al.* [CLEO Collaboration], Cornell University Report 10/2071, CLEO 10-08, arXiv:1012.0589 [hep-ex], Phys. Rev. D **83**, 054003 (2011).
166. Studies of  $D^+ \rightarrow \{\eta', \eta, \phi\} e^+ \nu_e$ , J. Yelton *et al.* [CLEO Collaboration], Cornell University Report 10/2067, CLEO 10-04, arXiv:1011.1195 [hep-ex], Phys. Rev. D **84**, 032001 (2011).

167. Model-independent determination of the strong-phase difference between  $D^0$  and  $\bar{D}^0 \rightarrow K_{S,L}^0 h^+ h^-$  ( $h = \pi, K$ ) and its impact on the measurement of the CKM angle  $\gamma/\phi_3$ , J. Libby *et al.* [CLEO Collaboration], Cornell University Report 10/2070, CLEO 10-07, arXiv:1010.2817, Phys. Rev. D **82**, 112006 (2010).
168. +Improved detection of  $\psi(2S) \rightarrow \pi^0 h_c$  by suppressing  $\psi(2S) \rightarrow \gamma \chi_c$  backgrounds, Hajime Muramatsu, Todd Pedlar, and Jonathan L. Rosner, CLEO Internal Document CBX2011-004.
169.  $\Upsilon(1S) \rightarrow \gamma f_2'(1525)$ ;  $f_2'(1525) \rightarrow K_S^0 K_S^0$  decays, D. Besson *et al.* [CLEO Collaboration], Cornell University Report 10/2072, CLEO 10-09, arXiv:1101.0153, Phys. Rev. D **83**, 037101 (2011) (Brief Reports).
170. \*Observation of the  $h_c(1P)$  using  $e^+e^-$  collisions above  $D\bar{D}$  threshold, T. K. Pedlar *et al.* [CLEO Collaboration], Cornell University Report 11/2073, CLEO 11-1, arXiv:1104.2025, Phys. Rev. Lett **107**, 041803 (2011).
171. Observation of the Dalitz Decay  $D_s^{*+} \rightarrow D_s^+ e^+ e^-$ , D. Cronin-Hennessy *et al.* [CLEO Collaboration], Cornell University Report 11/2074, CLEO 11-2, arXiv:1104.3265, to be published in Phys. Rev. D.
172. \*Search for the decay  $D_s^+ \rightarrow \omega e^+ \nu$ , L. Martin *et al.* [CLEO Collaboration], Cornell University Report 11/2077, CLEO 11-04, arXiv:1105.2720, Phys. Rev. D **84**, 012005 (2011).
173. Analysis of the decay  $D^0 \rightarrow K_S^0 \pi^0 \pi^0$ , N. Lowrey *et al.* [CLEO Collaboration], Cornell University Report 11/2069, CLEO 10-06, arXiv:1106.3103, Phys. Rev. D **84**, 092005 (2011).
174. +Branching fractions for  $\Upsilon(3S) \rightarrow \pi^0 h_b$  and  $\psi(2S) \rightarrow \pi^0 h_c$ , J. Y. Ge *et al.* (CLEO Collaboration), Cornell University Report 11/2079, CLEO 11-05, arXiv:1106.3558, Phys. Rev. D **84**, 032008 (2011).
175. +Charm at Threshold, Jonathan L. Rosner, presented on behalf of the CLEO Collaboration at Ninth International Conference on Flavor Physics and CP Violation (FPCP 2011), Maale Hachamisha, Israel, May 23-27, 2011, Enrico Fermi Institute Report 11-18, arXiv:1107.2023 [hep-ex], published in eConf Proceedings C11-05-23.
176. +Measurement of Polarization and Search for CP-Violation in  $B_s^0 \rightarrow \phi \phi$  Decays, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1107.4999, Phys. Rev. Lett. **107**, 261802 (2011).
177. First Measurement of the Form Factors in the Decays  $D^0 \rightarrow \rho^- e^+ \nu_e$  and  $D^+ \rightarrow \rho^0 e^+ \nu_e$ , S. Dobbs *et al.* (CLEO Collaboration), Cornell University Report 11-2075, CLEO 11-03, arXiv:1112.2884 [hep-ex], to be published in Phys. Rev. Letters.

178. \*Amplitude analysis of the decays  $\chi_{c1} \rightarrow \eta\pi^+\pi^-$  and  $\chi_{c1} \rightarrow \eta'\pi^+\pi^-$ , G. S. Adams *et al.* (CLEO Collaboration), Cornell University Report 11/2080, CLEO 11-06, arXiv:1109.5843, Phys. Rev. D **84**, 112009 (2011).
179. Leptonic Decays of Charged Pseudoscalar Mesons – 2012, Jonathan L. Rosner and Sheldon Stone, Enrico Fermi Institute Report 11-34, arXiv:1201.2401, mini-review prepared for the 2012 edition of Review of Particle Physics, J. Beringer *et al.* (Particle Data Group), Phys. Rev. D **86**, 010001 (2012), pp. 945–949.
180. Amplitude analysis of  $D^0 \rightarrow K^+K^-\pi^+\pi^-$ , M. Artuso *et al.* (CLEO Collaboration), Cornell University Report 11/2082, CLEO 11-08, arXiv:1201.5716, Phys. Rev. D **85**, 122002 (2012).
181. \*Studies of the decay  $D^0 \rightarrow K_S^0K^-\pi^+$  and  $D^0 \rightarrow K_S^0K^+\pi^-$ , J. Insler *et al.* (CLEO Collaboration), Cornell University Report 11/2081, CLEO 11-07, arXiv:1203.3804, Phys. Rev. D **85**, 092016 (2012).
182. Updated Measurement of the Strong Phase in  $D^0 \rightarrow K^+\pi^-$  Decay Using Quantum Correlations in  $e^+e^- \rightarrow D^0\bar{D}^0$  at CLEO, D. M. Asner *et al.* (CLEO Collaboration), CLNS 12/2083, CLEO 12-01, arXiv:1210.0939, Phys. Rev. D **86**, 112001 (2012).
183. Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-12-591-E, arXiv:1211.1003, Phys. Rev. D **87**, 092002 (2013).
184. Measurement of W-Boson Polarization in Top-quark Decay using the Full CDF Run II Data Set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-12-609, arXiv:1211.4523, Phys. Rev. D **87**, 031104(R) (2013).
185. Search for Resonant Top-antitop Production in the Semi-leptonic Decay Mode Using the Full CDF Data Set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-12-611-E, arXiv:1211.5363, Phys. Rev. Lett. **110**, 121802 (2013).
186. Measurement of the cross section for prompt isolated diphoton production using the full CDF Run II data sample, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1212.4204, Phys. Rev. Lett. **110**, 101801 (2013).
187. Recent results in bottomonium, Claudia Patrignani, Todd K. Pedlar, and Jonathan L. Rosner, arXiv:1212.6552, Enrico Fermi Institute Report 12-37, Annual Review of Nuclear and Particle Science **63**, 21–44 (2013).
188. Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1301.4440, Phys. Rev. D **87**, 052008 (2013).

189. Combination of searches for the Higgs boson using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-031-E, arXiv:1301.6668, Phys. Rev. D **88**, 052013 (2013).
190. Search for  $B_s \rightarrow \mu^+\mu^-$  and  $B_d \rightarrow \mu^+\mu^-$  decays with the full CDF Run II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-034, arXiv:1301.7048, Phys. Rev. D **87**, 072003 (2013). Erratum: Phys.Rev. D **97**, 099901 (2018).
191. Search for Supersymmetry with Like-Sign Lepton-Tau Events at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-047-E, arXiv:1302.4491, Phys. Rev. Lett. **110**, 201802 (2013).
192. Search for pair-production of strongly-interacting particles decaying to pairs of jets in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-079-PPD, arXiv:1303.2699, Phys. Rev. Lett. **111**, 031802 (2013).
193. Measurement of the cross section for direct-photon production in association with a heavy quark in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-082-E, arXiv:1303.6136, Phys. Rev. Lett. **111**, 042003 (2013).
194. Measurement of  $R = \mathcal{B}(t \rightarrow Wb)/\mathcal{B}(t \rightarrow Wq)$  in Top-quark-pair Decays using Lepton + jets Events and the Full CDF Run II Data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-013-083-E, arXiv:1303.6142, Phys. Rev. D **87**, 111101 (2013).
195. Higgs Boson Studies at the Tevatron, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-13-081-E, arXiv:1303.6346, Phys. Rev. D **88**, 052014 (2013).
196. Exclusion of exotic top-like quarks with  $-4/3$  electric charge using jet-charge tagging in single-lepton  $t\bar{t}$  events at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-013-098-E, arXiv:1304.4141, Phys. Rev. D **88**, 032003 (2013).
197. Measurement of the top-quark pair production cross-section in events with two leptons and bottom-quark jets using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-122-E, arXiv:1304.7961, Phys. Rev. D **88**, 091103 (2013).
198. Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-163-E, arXiv:1305.3339, Phys. Rev. D **88**, 011101 (2013).
199. Searches for the Higgs boson decaying to  $W^+W^- \rightarrow l^+\nu l^-\bar{\nu}$  with the CDF II detector, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-029-E, arXiv:1306.0023, Phys. Rev. D **88**, 052012 (2013).

200. Differential cross section  $d\sigma/d\theta_t$  for top-quark pair production in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-194-E, arXiv:1306.2357, Phys. Rev. Lett. **111**, 182002 (2013).
201. Improved Measurement of Absolute Hadronic Branching Fractions of the  $D_s^+$  Meson, P. U. E. Onyisi *et al.* (CLEO Collaboration), Cornell University Report 13/2086, CLEO 13-1, arXiv:1306.5363, Phys. Rev. D **88**, 032009 (2013) (RC).
202. Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from  $p\bar{p}$  collisions with  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-249-E, arXiv:1307.0474, Phys. Rev. D **88**, 031103 (2013) (RC).
203. Indirect measurement of  $\sin^2\theta_W(M_W)$  using  $e^+e^-$  pairs in the  $Z$ -boson region with  $p\bar{p}$  collisions at a center-of-momentum energy of 1.96 TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-277-E, arXiv:1307.0770, Phys. Rev. D **88**, 072002 (2013).
204. Combination of CDF and D0  $W$ -Boson Mass Measurements, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-13-289-E, arXiv:1307.7627, Phys. Rev. D **88**, 052018 (2013).
205. Measurement of the leptonic asymmetry in  $t\bar{t}$  events produced in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-309-E, arXiv:1308.1120, Phys. Rev. D **88**, 072003; erratum: Phys. Rev. D **94**, 099901 (2016).
206. Evidence for a bottom baryon resonance  $\Lambda_b^{*0}$  in CDF data, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-313-E, arXiv:1308.1760, Phys. Rev. D **88**, 071101 (2013).
207. A Direct Measurement of the Total Decay Width of the Top Quark, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-324, arXiv:1308.4050, Phys. Rev. Lett. **111**, 202001 (2013).
208. Leptonic Decays of Charged Pseudoscalar Mesons – 2013, Jonathan L. Rosner and Sheldon Stone, Enrico Fermi Institute Report 13-19, arXiv:1309.1924, mini-review prepared for the 2014 edition of Review of Particle Physics.
209. Observation of  $D^0-\bar{D}^0$  mixing using the CDF II Detector, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-379-E, arXiv:1309.4078, Phys. Rev. Lett. **111**, 231802 (2013).
210. Study of orbitally excited  $B$  mesons and evidence for a new  $B\pi$  resonance, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-393-E, arXiv:1309.5961, Phys. Rev. D **90**, 012013 (2014).



211. Search for new physics in trilepton events and limits on the associated chargino-neutralino production at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-446, arXiv:1309.7509, Phys. Rev. D **90**, 012011 (2014).
212. Combination of measurements of the top-quark pair production cross section from the Tevatron Collider, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-13-432-E, arXiv:1309.7570, Phys. Rev. D **89**, 072001 (2014).
213. Search for the production of  $ZW$  and  $ZZ$  boson pairs decaying into charged leptons and jets in proton-antiproton collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-437-E, arXiv:1310.0086, Phys. Rev. D **88**, 092002 (2013).
214. Search for a dijet resonance in events with jets and missing transverse energy in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-488-E, arXiv:1310.7267, Phys. Rev. D **88**, 092004 (2013).
215. A precise measurement of the  $W$ -boson mass with the Collider Detector at Fermilab, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-515-E, arXiv:1311.0894, Phys. Rev. D **89**, 072003 (2014).
216. First Search for Exotic  $Z$  Boson Decays into Photons and Neutral Pions in Hadron Collisions, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-13-509-E, arXiv:1311.3282, Phys. Rev. Lett. **112**, 111803 (2014).
217. Updated Measurements of Absolute  $D^+$  and  $D^0$  Hadronic Branching Fractions and  $\sigma(e^+e^- \rightarrow D\bar{D})$  at  $E_{cm} = 3774$  MeV, G. Bonvicini *et al.* (CLEO Collaboration), Cornell University Report 13/2087, CLEO 13-02, arXiv:1312.6775, Phys. Rev. D **89**, 072002 (2014); Erratum Phys. Rev. D **91**, 019903 (2015).
218. Planning the Future of U.S. Particle Physics: Report of the 2013 Community Summer Study (Snowmass 2013), Chapter 1: Summary, J. L. Rosner *et al.*, eConference listing C13-07-29.2, FERMILAB-CONF-14-019-CH01, arXiv:1401.6075.
219. Evidence for  $s$ -channel Single-Top-Quark Production in Events with one Charged Lepton and two Jets at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-015-E, arXiv:1402:0484, Phys. Rev. Lett. **112**, 231804 (2014).
220. Indirect measurement of  $\sin^2 \theta_W$  (or  $M_W$ ) using  $\mu^+\mu^-$  pairs from  $\gamma^*/Z$  bosons produced in  $p\bar{p}$  collisions at a center-of-momentum energy of 1.96 TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-021-E, arXiv:1402.2239, Phys. Rev. D **89**, 072005 (2014).
221. Search for  $s$ -channel Single Top Quark Production in the Missing Energy Plus Jets Sample using the Full CDF II Data Set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-027-E, arXiv:1402.3756, Phys. Rev. Lett. **112**, 231805 (2014).

222. Observation of  $s$ -channel production of single top quarks at the Tevatron, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-031-E, arXiv:1402.5126, Phys. Rev. Lett. **112**, 231803 (2014).
223. Study of Top-Quark Production and Decays involving a Tau Lepton at CDF and Limits on a Charged-Higgs Boson Contribution, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-036, arXiv:1402.6728, Phys. Rev. D **89**, 091101 (2014).
224. Invariant-mass distribution of jet pairs produced in association with a  $W$  boson in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV using the full CDF Run II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-037, arXiv:1402.7044, Phys. Rev. D **89**, 092001 (2014).
225. Measurement of the  $ZZ$  production cross section using the full CDF II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-047-E, arXiv:1403.2300, Phys. Rev. D **89**, 112001 (2014).
226. Measurements of Direct CP-Violating Asymmetries in Charmless Decays of Bottom Baryons, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-055-E-PPD, arXiv:1403.5586, Phys. Rev. Lett. **113**, 242001 (2014).
227. Mass and lifetime measurements of bottom and charm baryons in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-061-E, arXiv:1403.8126, Phys. Rev. D **89**, 072014 (2014).
228. Measurement of  $\mathcal{R} = \mathcal{B}(t \rightarrow Wb)/\mathcal{B}(t \rightarrow Wq)$  in Top-Quark-Pair Decays using Dilepton Events and the Full CDF Run II Data Set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-099-E, arXiv:1404.3392, Phys. Rev. Lett. **112**, 221801 (2014).
229. Measurement of the inclusive leptonic asymmetry in top-quark pairs that decay to two charged leptons at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-096-E, arXiv:1404.3698, Phys. Rev. Lett. **113**, 042001 (2014); erratum: Phys. Rev. Lett. **117**, 199901 (2016).
230. 2013 Community Summer Study on the Future of U. S. Particle Physics — Conveners' Reports (organized by the Division of Particles and Fields of the American Physical Society), Minneapolis, Minnesota, July 29 – August 6, 2013, edited by Jonathan L. Rosner, Michael E. Peskin, and Norman A. Graf, FERMILAB-CONF-13-648, SLAC-PUB-15960, 2014.
231. Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-228-E, arXiv:1407.3484, Phys. Rev. D **91**, 032006 (2015).

232. Measurement of the Single Top Quark Production Cross Section and  $|V_{tb}|$  in Events with One Charged Lepton, Large Missing Transverse Energy, and Jets at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-229-E, arXiv:1407.4031, Phys. Rev. Lett. **113**, 261804 (2014).
233. Measurement of differential production cross section for  $Z/\gamma^*$  bosons in association with jets in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-337-E, arXiv:1409.4359, Phys. Rev. D **91**, 012002 (2015).
234. Measurement of the Top-Quark Mass in the All-Hadronic Channel using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-338-E, arXiv:1409.4906, Phys. Rev. D **90**, 091101 (2014) (Rapid Communications).
235. CDF Results on Heavy Quarks, Enrico Fermi Institute Report 14-38, arXiv:1410.6849, CDF Note CDF/PUB/BOTTOM/PUBLIC/11135, presented on behalf of the CDF Collaboration at 15th International Conference on  $B$ -Physics at Frontier Machines, 14–18 July 2014, Edinburgh, PoS Beauty2014 (2014) 044.
236. Updated Measurement of the Single Top Quark Production Cross Section and  $|V_{tb}|$  in the Missing Transverse Energy Plus Jets Topology in  $p\bar{p}$  Collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-14-398-E, arXiv:1410.4909, to be published in Phys. Rev. D **93**, (2016).
237. Measurement of indirect CP-violating asymmetries in  $D^0 \rightarrow K^+K^-$  and  $D^0 \rightarrow \pi^+\pi^-$  decays at CDF, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1410.5435, Phys. Rev. D **90**, 111103 (2014) (Rapid Communications).
238. Search for production of an  $\Upsilon(1S)$  meson in association with a  $W$  or  $Z$  boson using the full 1.96 TeV proton anti-proton collision data set at CDF, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1412.4827, Phys. Rev. D **91**, 052011 (2015).
239. Constraints on models of the Higgs boson with exotic spin and parity using the full CDF II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-012-E, arXiv:1501.04875, Phys. Rev. Lett. **114**, 141802 (2015).
240. Tevatron Constraints on Models of the Higgs Boson with Exotic Spin and Parity Using Decays to Bottom-Antibottom Quark Pairs, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-15-029-E, arXiv:1502.00967, Phys. Rev. Lett. **114**, 151802 (2015).
241. Measurement of central exclusive  $\pi^+\pi^-$  production in  $p\bar{p}$  collisions at  $\sqrt{s} = 0.9$  and 1.96 TeV at CDF, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-033-PPD, arXiv:1502.01391, Phys. Rev. D **91**, 091101 (2015) (Rapid Communications).

242. Tevatron combination of single-top-quark cross sections and determination of the magnitude of the Cabibbo-Kobayashi-Maskawa matrix element  $V_{tb}$ , T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-15-088-E, arXiv:1503.05027, Phys. Rev. Lett. **115**, 152003 (2015).
243. Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-123-PPD, arXiv:1504.01536, Phys. Rev. Lett. **115**, 061801 (2015).
244. First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-153-E, arXiv:1504.06888, Phys. Rev. D **92**, 032006 (2015).
245. Measurement of the top-quark mass in the  $t\bar{t}$  dilepton channel using the full CDF Run II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-190-E, arXiv:1505.00500, Phys. Rev. D **92**, 032003 (2015).
246. Measurement of the production and differential cross sections of  $W^+W^-$  bosons in association with jets in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-191-PPD, arXiv:1505.00801, Phys. Rev. D **91**, 111101(R) (2015).
247. A Study of the Energy Dependence of the Underlying Event in Proton-Antiproton Collisions, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-361-E, arXiv:1508.05340, Phys. Rev. D **92**, 092009 (2015).
248. Study of vector boson plus  $D^*(2010) +$  meson production in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-368, arXiv:1508.06980, Phys. Rev. D **93**, 052012 (2016).
249. Leptonic Decays of Charged Pseudoscalar Mesons — 2015, Jonathan L. Rosner, Sheldon Stone, and Ruth S. Van de Water, Enrico Fermi Institute Report 15-21, FERMILAB-PUB-15-384-T, arXiv:1509.02220, mini-review published in the 2016 edition of Review of Particle Physics, C. Patrignani *et al.* (Particle Data Group), Chin. Phys. C **40**, 100001 (2016).
250.  $D_s^+$  Branching Fractions, Jonathan L. Rosner and C. G. Wohl, November 2015, updated mini-review published in 2016 edition of Review of Particle Physics, Chin. Phys. C **40**, 100001 (2016).
251. Fermiophobic Higgs in the  $3\gamma + X$  Channel, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-15-578-E, arXiv:1601.00401, Phys. Rev. D **93**, 112010 (2016)..
252. Measurement of the  $B_c^\pm$  production cross section in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-16-008-E-PPD, arXiv:1601.03819, Phys. Rev. D **93**, 052001 (2016).

253. Measurement of the forward-backward asymmetry in low-mass bottom-quark pairs produced in proton-antiproton collisions, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-16-017-E, arXiv:1601.06526, Phys. Rev. D **93**, 112003 (2016).
254. Measurement of the forward-backward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-16-045-E, arXiv:1602.09015, Phys. Rev. D **93**, 112005 (2016).
255. Measurement of  $\sin^2 \theta_{\text{eff}}^{\text{lept}}$  using  $e^+e^-$  pairs from  $\gamma^*/Z$  bosons produced in  $p\bar{p}$  collisions at a center-of-momentum energy of 1.96 TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-16-165-E, arXiv:1605.02719, Phys. Rev. D **93**, 112016 (2016).
256. Measurement of the  $WW$  and  $WZ$  production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-16-229-E, arXiv:1606.06823, Phys. Rev. D **94**, 032008 (2016).
257. Measurement of the  $D^+$ -meson production cross section at low transverse momentum in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), arXiv:1610.08989, Phys. Rev. D **95**, 092006 (2017).
258. Measurement of the inclusive-isolated prompt-photon cross section in  $p\bar{p}$  collisions using the full CDF data set, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-17-053-PPD, arXiv:1703.00599, Phys. Rev. D **96**, 092003 (2017).
259. Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-17-379-E, arXiv:1709.04894, Phys. Rev. Lett. **120**, 042001 (2018).
260. A search for the exotic meson  $X(5568)$  with the Collider Detector at Fermilab, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-FN-1048-E, arXiv:1712.09620, Phys. Rev. Lett. **120**, 202006 (2018).
261. Tevatron Run II combination of the effective leptonic electroweak mixing angle, T. Aaltonen *et al.* (CDF and D0 Collaborations), FERMILAB-PUB-18-015-E, arXiv:1801.06283, Phys. Rev. D **97**, 112007 (2018).
262. Search for standard-model  $Z$  and Higgs bosons decaying into a bottom–antibottom quark pair in proton–antiproton collisions at 1.96 TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-18-307-E-PPD, arXiv:1807.01363, Phys. Rev. D **98**, 072002 (2018).

263. Measurement of the differential cross sections for  $W$ -boson production in association with jets in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-18-371-E, arXiv:1808.02335, Phys. Rev. D **98**, 112005 (2018).
264. Search for Higgs-like particles produced in association with bottom quarks in proton-antiproton collisions, T. Aaltonen *et al.* (CDF Collaboration), FERMILAB-PUB-19-067-PPD, arXiv:1902.04683, Phys. Rev. D **99**, 052001 (2019).
265. Future Physics Programme of BESIII, M. Ablikim *et al.* (BESIII Collaboration) and external authors (J. Rosner is one of three editors), IHEP Report No. CPC-2019-0455-0, arXiv:1912.05983 [hep-ex], Chinese Physics C **44**, 040001 (2020).
266.  $D_s$  Branching Fractions, Jonathan L. Rosner and C. G. Wohl, Chapter 71 in P. A. Zyla *et al.* (Particle Data Group), Prog. Theor. Exp. Phys. **2020**, 083C01 (2020).
267. Leptonic Decays of Charged Pseudoscalar Mesons, Jonathan L. Rosner, Sheldon L. Stone, and Ruth Van De Water, Chapter 71 in P. A. Zyla *et al.* (Particle Data Group), Prog. Theor. Exp. Phys. **2020**, 083C01 (2020).
268.  $D_s$  Branching Fractions, Jonathan L. Rosner and C. G. Wohl, Chapter 71 in Particle Data Group, Review of Particle Physics, R. Workman *et al.*, Prog. Theor. Exp. Phys. **2022** 083C01 (2022), p. 895.
269. Leptonic Decays of Charged Pseudoscalar Mesons, Jonathan L. Rosner, Chapter 72 in Particle Data Group, Review of Particle Physics, R. Workman *et al.*, Prog. Theor. Exp. Phys. **2022**, 083C01 (2022), p. 897.
270. Measurement of the charge asymmetry of electrons from the decays of  $W$  bosons produced in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV, CDF Collaboration, T. Aaltonen *et al.*, arXiv: 2107.04678 [hep-ex], Phys. Rev. D **104**, 092002 (2021).
271. A novel measurement of initial-state gluon radiation in hadron collisions using Drell-Yan events, CDF Collaboration, T. Aaltonen *et al.*, arXiv: 2110.14878 [hep-ex].
272. High-precision measurement of the  $W$  boson mass with the CDF II detector, CDF Collaboration, T. Aaltonen *et al.*, Science **376** (2022) 6589, 170-176.