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PUBLICATION LIST

Books

1. *From Spinors to Supersymmetry*, H.K. Dreiner, H.E. Haber, and S.P. Martin (Cambridge University Press, Cambridge, UK, 2023).
2. *The Higgs Hunter's Guide*, J.F. Gunion, H.E. Haber, G.L. Kane, and S. Dawson, Frontiers in Physics Lecture Note Series #80, (Addison-Wesley Publishing Company, Redwood City, CA, 1990); paperback edition: (Westview Press, Boulder, CO, 2000).

Edited Books

1. *CPNSH: Workshop on CP Studies and Non-Standard Higgs Physics, May 2004—December 2005*, edited by S. Kraml *et al.*, CERN Yellow Book, CERN-2006-009 (2006).
2. *Particle Physics and Cosmology: The Quest for Physics Beyond the Standard Model(s), Proceedings of the 2002 Theoretical Advanced Study Institute in Elementary Particle Physics*, H.E. Haber and A.E. Nelson, editors (World Scientific, Singapore, 2004).
3. *Proceedings of the 5th International Symposium on Radiative Corrections (RADCOR 2000)*, H.E. Haber, editor (SLAC-R-579; eConf C000911).
4. *Electroweak Symmetry Breaking and New Physics at the TeV Scale*, T.L. Barklow, S. Dawson, H.E. Haber, and J. Siegrist, editors (World Scientific, Singapore, 1996).
5. *From the Planck Scale to the Weak Scale: Toward a Theory of the Universe, Proceedings of the 1986 Theoretical Advanced Study Institute in Elementary Particle Physics*, vols. I and II, H.E. Haber, editor, (World Scientific, Singapore, 1987).
6. *Proceedings of the Theoretical Symposium on Intense Medium Energy Sources of Strangeness*, T. Goldman, H.E. Haber, and H.F.-W. Sadrozinski, editors, (American Institute of Physics, New York, 1983).

Chapters in Books

1. Supersymmetry, Part I (Theory), B.C. Allanach and H.E. Haber, in *Review of Particle Physics*, S. Navas *et al.* [Particle Data Group], *Physical Review D* **110**, 030001 (2024).
2. Supersymmetry, Part I (Theory), B.C. Allanach and H.E. Haber, in *Review of Particle Physics*, R.L. Workman *et al.* [Particle Data Group], *Progress of Theoretical and Experimental Physics* **2022**, 083C01 (2022).

3. Supersymmetry, Part I (Theory), B.C. Allanach and H.E. Haber, in *Review of Particle Physics*, P.A. Zyla *et al.* [Particle Data Group], *Progress of Theoretical and Experimental Physics* **2020**, 083C01 (2020).
4. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, M. Tanabashi *et al.* [Particle Data Group], *Physical Review* **D98**, 030001 (2018).
5. Supersymmetric Theory and Models, H.E. Haber and L. Stephenson Haskins, in *Anticipating The Next Discoveries In Particle Physics*, Proceedings of the 2016 Theoretical Advanced Study Institute in Elementary Particle Physics, edited by Rouven Essig and Ian Low (World Scientific, Singapore, 2018) pp. 355–499.
6. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, C. Patrignani *et al.* [Particle Data Group], *Chinese Physics* **C40**, 100001 (2016).
7. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, K.A. Olive *et al.* [Particle Data Group], *Chinese Physics* **C38**, 090001 (2014).
8. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, J. Beringer *et al.* [Particle Data Group], *Phys. Rev.* **D86**, 010001 (2012).
9. Low-Energy Supersymmetry at Future Colliders, J.F. Gunion and H.E. Haber, updated chapter in *Perspectives on Supersymmetry II*, edited by G.L. Kane (World Scientific, Singapore, 2010) pp. 420–445.
10. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, K. Nakamura *et al.* [Particle Data Group], *Journal of Physics* **G37**, 075021 (2010).
11. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, C. Amsler *et al.* [Particle Data Group], *Phys. Lett.* **B667**, 1–1340 (2008).
12. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, W.-M. Yao *et al.* [Particle Data Group], *Journal of Physics* **G33**, 1–1232 (2006).
13. Higgs Physics at the Linear Collider, J.F. Gunion, H.E. Haber and R. Van Kooten, in *Linear Collider Physics in the New Millennium*, edited by K. Fujii, D. Miller and A. Soni, (World Scientific, Singapore, 2005) pp. 41–133.
14. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, S. Eidelman *et al.* [Particle Data Group], *Phys Lett.* **B592**, 1–1109 (2004).
15. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, K. Hagiwara *et al.* [Particle Data Group], *Phys Rev.* **D66**, 010001 (2002).
16. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, D.E. Groom *et al.* [Particle Data Group], *Eur. Phys. J.* **C15**, 1–878 (2000).
17. Low-Energy Supersymmetry at Future Colliders, J.F. Gunion and H.E. Haber, in *Perspectives on Supersymmetry*, edited by G.L. Kane (World Scientific, Singapore, 1998) pp. 235–255.

18. Supersymmetry, Part I (Theory), H.E. Haber, in *Review of Particle Physics*, C. Caso *et al.* [Particle Data Group], *Eur. Phys. J.* **C3**, 1–794 (1998).
19. Higgs Boson Masses and Couplings in the Minimal Supersymmetric Model, H.E. Haber, in *Perspectives on Higgs Physics II*, edited by G.L. Kane (World Scientific, Singapore, 1997) pp. 23–67.
20. Electroweak Symmetry Breaking and Beyond the Standard Model, S. Dawson and H.E. Haber, in *Electroweak Symmetry Breaking and New Physics at the TeV Scale*, edited by T. Barklow, S. Dawson, H.E. Haber and J. Siegrist (World Scientific, Singapore, 1996) pp. 1–22.
21. Supersymmetry, H.E. Haber, in *Review of Particle Physics*, R.M. Barnett *et al.* [Particle Data Group], *Phys. Rev.* **D54**, 1–720 (1996).
22. Note on Supersymmetry, H.E. Haber, in *Review of Particle Properties*, L. Montanet *et al.* [Particle Data Group], *Phys. Rev.* **D45**, 1173–1823 (1994).
23. Introductory Low-Energy Supersymmetry, H.E. Haber, in *Recent Directions in Particle Theory*, Proceedings of the 1992 Theoretical Advanced Study Institute in Elementary Particle Physics, Boulder, CO, June 1–26, 1992, edited by J. Harvey and J. Polchinski (World Scientific, Singapore, 1993) pp. 589–686.
24. Higgs bosons in the Minimal Supersymmetric Model: The Influence of Radiative Corrections, H.E. Haber, in *Perspectives on Higgs Physics*, edited by G.L. Kane (World Scientific, Singapore, 1993) pp. 79–129.
25. Note on Supersymmetry, H.E. Haber, in *Review of Particle Properties*, K. Hikasa *et al.* [Particle Data Group], *Phys. Rev.* **D45**, S1 (1992) [Erratum: *Phys. Rev.* **D46**, 5210 (1992)].
26. Higgs Physics: Theory and Phenomenology, H.E. Haber, in *The Standard Model and Beyond*, Proceedings of the 1990 Mt. Sorak Symposium on Theoretical Physics, edited by J.E. Kim, (World Scientific, Singapore, 1991) pp. 28–104.
27. Lectures on Electroweak Symmetry Breaking, H.E. Haber, in *Testing the Standard Model*, Proceedings of the 1990 Theoretical Advanced Study Institute in Elementary Particle Physics, edited by M. Cvetič and Paul Langacker (World Scientific, Singapore, 1991) pp. 340–475.

Articles on the arXiv submitted to the Professional Journals

1. Correlating Resonant Di-Higgs and Tri-Higgs Production to $H \rightarrow VV$ in the 2HDM, G. Coloretti, A. Crivellin, and H.E. Haber, arXiv:2512.24868 [hep-ph].

Peer-reviewed Articles in Professional Journals

1. Extending the symmetries of the generalized CP-symmetric 2HDM scalar potential to the Yukawa sector, S. Carrolo, H.E. Haber, L. Lourenco, and J.P. Silva, *Phys. Rev.* **D112**, 035024 (2025).
2. RG-stable parameter relations of a scalar field theory in absence of a symmetry, H.E. Haber and P.M. Ferreira, *Eur. Phys. J.* **C85**, 541 (2025) [Erratum–ibid. **C85**, 867 (2025)].
3. Correlating $A \rightarrow \gamma\gamma$ with EDMs in the 2HDM in light of the diphoton excesses at 95 GeV and 152 GeV, S. Banik, G. Coloretti, A. Crivellin, and H.E. Haber, *Phys. Rev.* **D111**, 075021 (2025).
4. Explicit form for the most general Lorentz transformation revisited, H.E. Haber, *Symmetry* **2024**, 16, 1155.
5. Classes of complete dark photon models constrained by Z -Physics, M.P. Bento, H.E. Haber and J.P. Silva, *Phys. Lett.* **B850**, 138501 (2024).
6. Higgs Boson Physics: The View Ahead, H.E. Haber, *Letters in High Energy Physics*, LHEP-451 (2023).
7. Tree-level Unitarity in $SU(2)_L \times U(1)_Y \times U(1)_{Y'}$ Models, M.P. Bento, H.E. Haber and J.P. Silva, *JHEP* **2310**, 083 (2023).
8. Accommodating Hints of New Heavy Scalars in the Framework of the Flavor-Aligned Two-Higgs-Doublet Model, J.M. Connell, P.M.Ferreira and H.E. Haber, *Phys. Rev.* **D108**, 055031 (2023).
9. P-even, CP-violating Signals in Scalar-Mediated Processes, H.E. Haber, V. Keus and R. Santos, *Phys. Rev.* **D106**, 095038 (2022).
10. Exceptional regions of the 2HDM parameter space, H.E. Haber and J.P. Silva, *Phys. Rev.* **D103**, 115012 (2021).
11. Higgs-mass predictions in the MSSM and beyond, P. Slavich, S. Heinemeyer, E. Bagnaschi, H. Bahl, M. Goodsell, H.E. Haber, et al., *Eur. Phys. J.* **C81**, 5 (2021).
12. A natural mechanism for approximate Higgs alignment in the 2HDM, P. Draper, A. Ekstedt and H.E. Haber, *JHEP* **2105**, 235 (2021).
13. A tale of three diagonalizations, H.E. Haber, *Int. J. Mod Phys.* **A36**, 2130002 (2021).
14. Useful relations among the generators in the defining and adjoint representations of $SU(N)$, H.E. Haber, *SciPost Phys. Lect. Notes* **21** (2021).
15. Basis-independent treatment of the complex 2HDM, R. Boto, T.V. Fernandes, H.E. Haber, J.C. Romão and J.P. Silva, *Phys. Rev.* **D101**, 055023 (2020).
16. Symmetries and Mass Degeneracies in the Scalar Sector, H.E. Haber, O.M. Ogreid, P. Osland and M.N. Rebelo, *JHEP* **1901**, 042 (2019).

17. Heavy Higgs boson decays in the alignment limit of the 2HDM, B. Grzadkowski, H.E. Haber, O.M. Ogreid and P. Osland, *JHEP* **1812**, 056 (2018).
18. Multi-Higgs doublet models: the Higgs-fermion couplings and their sum rules, M.P. Bento, H.E. Haber, J.C. Romão and J.P. Silva, *JHEP* **1810**, 143 (2018).
19. Multi-Higgs doublet models: physical parametrization, sum rules and unitarity bounds, M.P. Bento, H.E. Haber, J.C. Romão and J.P. Silva, *JHEP* **1711**, 095 (2017).
20. The Impact of Two-Loop Effects on the Scenario of MSSM Higgs Alignment without Decoupling, H.E. Haber, S. Heinemeyer and T. Stefaniak, *Eur. Phys. J.* **C77**, 742 (2017).
21. High scale flavor alignment in two-Higgs doublet models and its phenomenology, S. Gori, H.E. Haber and E. Santos, *JHEP* **1706**, 110 (2017).
22. The Light and Heavy Higgs Interpretation of the MSSM, P. Bechtle, H.E. Haber, S. Heinemeyer, O. Stål, T. Stefaniak, G. Weiglein and L. Zeune, *Eur. Phys. J.* **C77**, 67 (2017).
23. Perturbation Theory in Supersymmetric QED: Infrared Divergences and Gauge Invariance, M. Dine, P. Draper, H.E. Haber and L.S. Haskins, *Phys. Rev.* **D94**, 095003 (2016).
24. Partially Natural Two Higgs Doublet Models, P. Draper, H.E. Haber and J.T. Ruderman, *JHEP* **1606**, 124 (2016).
25. Scrutinizing the alignment limit in two-Higgs-doublet models. II. $m_H = 125$ GeV, J. Bernon, J.F. Gunion, H.E. Haber, Y. Jiang and S. Kraml, *Phys. Rev.* **D93**, 035027 (2016).
26. Alignment limit of the NMSSM Higgs sector, M. Carena, H.E. Haber, I. Low, N.R. Shah and C.E.M. Wagner, *Phys. Rev.* **D93**, 035013 (2016).
27. New LHC Benchmarks for the CP-conserving Two-Higgs-Doublet Model, H.E. Haber and O. Stål, *Eur. Phys. J.* **C75**, 491 (2015).
28. Scrutinizing the alignment limit in two-Higgs-doublet models: $m_h = 125$ GeV, J. Bernon, J.F. Gunion, H.E. Haber, Y. Jiang and S. Kraml, *Phys. Rev.* **D92**, 075004 (2015).
29. Preserving the validity of the Two-Higgs Doublet Model up to the Planck scale, P. Ferreira, H. E. Haber and E. Santos, *Phys. Rev.* **D92**, 033003 (2015).
30. Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM, M. Carena, H.E. Haber, I. Low, N.R. Shah and C.E.M. Wagner, *Phys. Rev.* **D91**, 035003 (2015).
31. Probing wrong-sign Yukawa couplings at the LHC and a future linear collider, P.M. Ferreira, J.F. Gunion, H.E. Haber and R. Santos, *Phys. Rev.* **D89**, 115003 (2014).
32. Decoupling of the Right-handed Neutrino Contribution to the Higgs Mass in Supersymmetric Models, P. Draper and H.E. Haber, *Eur. Phys. J.* **C73**, 2522 (2013).

33. Mass-degenerate Higgs bosons at 125 GeV in the two-Higgs-doublet model, P.M. Ferreira, R. Santos, H.E. Haber and J.P. Silva, *Phys. Rev.* **D87**, 055009 (2013).
34. A Group-theoretic Condition for Spontaneous CP Violation, H.E. Haber and Z. Surujon, *Phys. Rev.* **D86**, 075007 (2012).
35. Basis-independent methods for the two-Higgs-doublet model III: The CP-conserving limit, custodial symmetry, and the oblique parameters S , T , U , H.E. Haber and D. O’Neil, *Phys. Rev.* **D83**, 055017 (2011).
36. Geometric picture of generalized-CP and Higgs-family transformations in the two-Higgs-doublet model, P. M. Ferreira, H.E. Haber, M. Maniatis, O. Nachtmann and J.P. Silva, *Int. J. Mod. Phys.* **A26**, 769 (2011).
37. Supersymmetric Monojets at the Large Hadron Collider, B.C. Allanach, S. Grab and H.E. Haber, *JHEP* **1101**, 138 (2011) [Erratum: **1107**, 087 (2011); **1109**, 027 (2011)].
38. Two-component spinor techniques and Feynman rules for quantum field theory and supersymmetry, H.K. Dreiner, H.E. Haber and S.P. Martin, *Physics Reports* **494**, 1 (2010).
39. Basis invariant conditions for supersymmetry in the two-Higgs-doublet model, P.M. Ferreira, H.E. Haber and J.P. Silva, *Phys. Rev.* **D82**, 016001 (2010).
40. Note on the pseudo-Nambu-Goldstone Boson of Meta-stable SUSY Violation, T. Banks and H.E. Haber, *JHEP* **0911**, 097 (2009).
41. Generalized CP symmetries and special regions of parameter space in the two-Higgs-doublet model, P.M. Ferreira, H.E. Haber and J.P. Silva, *Phys. Rev.* **D79**, 116004 (2009).
42. Hard supersymmetry-breaking “wrong-Higgs” couplings of the MSSM, H.E. Haber and J.D. Mason, *Phys. Rev.* **D77**, 115011 (2008).
43. Seesaw mechanism in the sneutrino sector and its consequences, A. Dedes, H.E. Haber and J. Rosiek, *JHEP* **0711**, 059 (2007).
44. The neutralino sector in the U(1)-extended supersymmetric standard model, S.Y. Choi, H.E. Haber, J. Kalinowski and P.M. Zerwas, *Nucl. Phys.* **B778**, 85 (2007).
45. Basis-independent methods for the two-Higgs-doublet model. II. The Significance of $\tan \beta$, H.E. Haber and D. O’Neil, *Phys. Rev.* **D74**, 015018 (2006) [Erratum: *Phys. Rev.* **D74**, 059905 (2006)].
46. Supersymmetry parameter analysis: SPA convention and project, J.A. Aguilar-Saavedra *et al.*, *Eur. Phys. J.* **C46**, 43 (2006).
47. Physics Interplay of the LHC and the International Linear Collider, G. Weiglein *et al.* [The LHC/ILC Study Group], *Physics Reports* **426**, 47 (2006).
48. Conditions for explicit CP-Violation in the two-Higgs-doublet model, J.F. Gunion and H.E. Haber, *Phys. Rev.* **D72**, 095002 (2005).

49. Basis-independent methods for the two-Higgs-doublet model, S. Davidson and H.E. Haber, *Phys. Rev.* **D72**, 035004 (2005) [Erratum: *Phys. Rev.* **D72**, 099902 (2005)].
50. The CP-conserving two-Higgs-doublet model: The approach to the decoupling limit, J.F. Gunion and H.E. Haber, *Phys. Rev.* **D67**, 075019 (2003).
51. The would-be majoron in R-parity violating supersymmetry, Y. Grossman and H.E. Haber, *Phys. Rev.* **D67**, 036002 (2003).
52. Higgs boson theory and phenomenology, M. Carena and H.E. Haber, *Prog. Part. Nucl. Phys.* **50**, 63 (2003).
53. The Snowmass points and slopes: Benchmarks for SUSY searches, B.C. Allanach *et al.*, *Eur. Phys. J.* **C25**, 113 (2002).
54. Distinguishing a Minimal Supersymmetric Standard Model Higgs Boson from the SM Higgs Boson at a Linear Collider, M. Carena, H.E. Haber, H.E. Logan and S. Mrenna, *Phys. Rev.* **D65**, 055005 (2002) [E: **D65**, 099902 (2002)].
55. Can the Higgs sector contribute significantly to the muon anomalous magnetic moment?, A. Dedes and H.E. Haber, *JHEP* **0105**, 006 (2001).
56. Basis Independent Analysis of the Sneutrino Sector in R-Parity Violating Supersymmetry, Y. Grossman and H.E. Haber, *Phys. Rev.* **D63**, 075011 (2001).
57. Supersymmetric QCD Corrections to the MSSM $h^0 b\bar{b}$ Vertex in the Decoupling Limit, H.E. Haber, M.J. Herrero, H.E. Logan, S. Peñaranda, S. Rigolin and D. Temes, *Phys. Rev.* **D63**, 055004 (2001).
58. Reconciling the Two-Loop Diagrammatic and Effective Field Theory Computations of the Mass of the Lightest CP-even Higgs Boson in the MSSM, M. Carena, H.E. Haber, S. Heinemeyer, W. Hollik, C.E.M. Wagner and G. Weiglein, *Nucl. Phys.* **B580**, 29 (2000).
59. Radiative Corrections to the $Zb\bar{b}$ Vertex and Constraints on Extended Higgs Sectors, H.E. Haber and H.E. Logan, *Phys. Rev.* **D62**, 015011 (2000).
60. (S)neutrino properties in R Parity Violating Supersymmetry, Y. Grossman and H.E. Haber, *Phys. Rev.* **D59**, 093008 (1999).
61. The Higgs Mass in the MSSM Infrared Fixed Point Scenario, J.A. Casas, J.R. Espinosa and H.E. Haber, *Nucl. Phys.* **B526**, 3 (1998).
62. Limits from LEP Data on CP-Violating Non-Minimal Higgs Sectors, J.F. Gunion, B. Grzadkowski, H.E. Haber, and J. Kalinowski, *Phys. Rev. Lett.* **79**, 982 (1997).
63. Sneutrino Mixing Phenomena, Y. Grossman and H.E. Haber, *Phys. Rev. Lett.* **78**, 3438 (1997).
64. Approximating the Radiatively Corrected Higgs Mass in the Minimal Supersymmetric Model, H.E. Haber, R. Hempfling, and A.H. Hoang, *Z. Phys.* **C75**, 539 (1997).

65. Multiple Production of Neutral Supersymmetric Higgs Bosons at High Energy e^+e^- Colliders, A. Djouadi, H.E. Haber and P.M. Zerwas, *Phys. Lett.* **B375**, 203 (1996).
66. Four-Generation Low-Energy Supersymmetry with a Light Top Quark Mass, M. Carena, H.E. Haber and C.E.M. Wagner, *Nucl. Phys.* **B472**, 55 (1996).
67. QCD Corrections to Charged Higgs-Mediated $b \rightarrow c\tau\nu$ Decay, Y. Grossman, H.E. Haber, and Y. Nir, *Phys. Lett.* **B357**, 630 (1995).
68. Discovering Supersymmetry with Like-Sign Dileptons, R.M. Barnett, J.F. Gunion and H.E. Haber, *Phys. Lett.* **B315**, 349 (1993).
69. $Z^0 \rightarrow A^0 A^0 \nu \bar{\nu}$ and $e^+e^- \rightarrow A^0 A^0 Z$ in Two Higgs Doublet Models, H.E. Haber and Y. Nir, *Phys. Lett.* **B306**, 327 (1993).
70. Higgs Boson Production in the Photon-Photon Collider Mode of a High Energy e^+e^- Linear Collider, J.F. Gunion and H.E. Haber, *Phys. Rev.* **D48**, 5109 (1993).
71. The Renormalization-Group Improved Higgs Sector of the Minimal Supersymmetric Model, H.E. Haber and R. Hempfling, *Phys. Rev.* **D48**, 4280 (1993).
72. Constraints from Global Symmetries on Radiative Corrections to the Higgs Sector, H.E. Haber and A. Pomarol, *Phys. Lett.* **B302**, 435 (1993).
73. Can the Higgs Mass be Entirely due to Radiative Corrections?, M.A. Díaz and H.E. Haber, *Phys. Rev.* **D46**, 3086 (1992).
74. The Decay $h^0 \rightarrow A^0 A^0$ in the Minimal Supersymmetric Model, H.E. Haber, R. Hempfling, and Y. Nir, *Phys. Rev.* **D46**, 3015 (1992).
75. Searching for the CP-Odd Higgs Boson of the Minimal Supersymmetric Model at Hadron Supercolliders, J.F. Gunion, H.E. Haber, and C. Kao, *Phys. Rev.* **D46**, 2907 (1992).
76. Searching for CP-Even Higgs Bosons of the Minimal Supersymmetric Model at Hadron Supercolliders, J.F. Gunion, R. Bork, H.E. Haber, and A. Seiden, *Phys. Rev.* **D46**, 2040 (1992).
77. One Loop Radiative Corrections to the Charged Higgs Mass of the Minimal Supersymmetric Model, M.A. Díaz and H.E. Haber, *Phys. Rev.* **D45**, 4246 (1992).
78. Higgs Boson Low-Energy Theorems and Their Applications, S. Dawson and H.E. Haber, *Int. J. Mod. Phys.* **A7**, 107 (1992).
79. Can the Mass of the Lightest Higgs Boson of the Minimal Supersymmetric Model be Larger than m_Z ?, H.E. Haber and R. Hempfling, *Phys. Rev. Lett.* **66**, 1815 (1991).
80. $H^\pm \rightarrow W^\pm \gamma$ and $H^\pm \rightarrow W^\pm Z$ in Two Higgs Doublet Models: Large Fermion Mass Limit, M. Capdequi Peyranere, H.E. Haber and P. Irulegui, *Phys. Rev.* **D44**, 191 (1991).

81. Heavy Fermion Effects in $e^+e^- \rightarrow ZH$ and $Z \rightarrow H\nu\bar{\nu}$, S. Dawson and H.E. Haber, *Phys. Rev.* **D44**, 53 (1991).
82. Sum Rules for Higgs Bosons, J.F. Gunion, H.E. Haber and J. Wudka, *Phys. Rev.* **D43**, 904 (1991).
83. Precision Measurements in Electroweak Physics and Supersymmetry, R. Barbieri, M. Frigeni, F. Giuliani and H.E. Haber, *Nucl. Phys.* **B341**, 309 (1990).
84. Multi-Scalar Models with a High Energy Scale, H.E. Haber and Y. Nir, *Nucl. Phys.* **B335**, 363 (1990).
85. The Search for Higgs Bosons of Any Mass, S. Dawson, J.F. Gunion, H.E. Haber, A. Seiden and G.L. Kane, *Comments Nucl. Part. Phys.*, **19**, 259 (1990).
86. Are Light Higgs Bosons Allowed?, S. Dawson, J.F. Gunion and H.E. Haber, *Physical Review* **D41**, 2844 (1990).
87. Neutralino Radiative Decay, H.E. Haber and D. Wyler, *Nucl. Phys.* **B323**, 267 (1989).
88. Higgs Bosons in a Non-Minimal Supersymmetric Model, J. Ellis, J.F. Gunion, H.E. Haber, L. Roszkowski, and F. Zwirner, *Phys. Rev.* **D39**, 844 (1989).
89. Production Mechanisms for Non-Minimal Higgs Bosons at an e^+e^- Collider, J.F. Gunion *et al.*, *Phys. Rev.* **D38**, 3444 (1988).
90. Higgs Bosons in Supersymmetric Models (III): Decays into Neutralinos and Charginos, J.F. Gunion and H.E. Haber, *Nucl. Phys.* **B307**, 445 (1988) [Erratum: *Nucl. Phys.* **B402**, 569 (1993)].
91. Doubly OZI Violating Effects in J/ψ Decays, A. Seiden, H. Sadrozinski, and H.E. Haber, *Phys. Rev.* **D38**, 824 (1988).
92. Ultra Heavy Particle Production from Heavy Partons at Hadron Colliders, R.M. Barnett, H.E. Haber, and D.E. Soper, *Nucl. Phys.* **B306**, 697 (1988).
93. Charge/Color Breaking Minima and A -Parameter Bounds in Supersymmetric Models, J.F. Gunion, H. E. Haber and M. Sher, *Nucl. Phys.* **B306**, 1 (1988).
94. Production and Detection of the Higgs Bosons of the Simplest E_6 -Based Gauge Theory, J.F. Gunion, L. Roszkowski, and H.E. Haber, *Phys. Rev.* **D38**, 105 (1988).
95. Two Body Decays of Neutralinos and Charginos, J.F. Gunion and H.E. Haber, *Phys. Rev.* **D37**, 2515 (1988).
96. Gluino Decay Patterns and Signatures, R.M. Barnett, J.F. Gunion, and H.E. Haber, *Phys. Rev.* **D37**, 1892 (1988).
97. Finding Gluinos at Hadron Colliders, R.M. Barnett, J.F. Gunion, and H.E. Haber, *Phys. Rev. Lett.* **60**, 401 (1988).

98. Invisible Decays of Higgs Bosons in Supersymmetric Models, K. Griest and H.E. Haber, *Phys. Rev.* **D37**, 719 (1988).
99. Neutrino Mixing, Decays and Supernova 1987A, J.A. Frieman, H.E. Haber, and K. Freese, *Phys. Lett.* **200B**, 115 (1988).
100. Axion-Mediated Forces in the Early Universe, H.E. Haber and M. Sher, *Phys. Lett.* **196B**, 33 (1987).
101. Production of New Charged Leptons Decaying Into Massive Neutrinos, R.M. Barnett and H.E. Haber, *Phys. Rev.* **D36**, 2042 (1987).
102. Hunting the Higgs in B Decays, H.E. Haber, A.S. Schwarz, and A.E. Snyder, *Nucl. Phys.* **B294**, 301 (1987).
103. Neutral and Charged Higgs Detection: Heavy Quark Fusion, Top Quark Mass-Dependence and Rare Decays, J.F. Gunion, H.E. Haber, F.E. Paige, W.-K. Tung, and S.S.D. Wilenbrock, *Nucl. Phys.* **B294**, 621 (1987).
104. Z' Mass Limits, Masses and Couplings of Higgs Bosons, and Z' Decays in an E_6 Superstring Based Model, J.F. Gunion, L. Roszkowski, and H.E. Haber, *Phys. Lett.* **189B**, 409 (1987).
105. Higgs Mass Bound in E_6 Based Supersymmetric Theories, H.E. Haber and M. Sher, *Phys. Rev.* **D35**, 2206 (1987).
106. A Possible New Signature for Higgs Bosons, H.E. Haber, I. Kani, G.L. Kane and M. Quiros, *Nucl. Phys.* **B283**, 111 (1987).
107. Higgs Bosons in Supersymmetric Models – II: Implications for Phenomenology, J.F. Gunion and H.E. Haber, *Nucl. Phys.* **B278**, 449 (1986) [Erratum: *Nucl. Phys.* **B402**, 569 (1993)].
108. Signatures of Heavy Neutrino Production at the CERN Collider, H.E. Haber and M.H. Reno, *Phys. Rev.* **D34**, 2732 (1986).
109. A Nonminimal Supergravity Model Consistent with all Experimental Constraints, M. Quiros, G.L. Kane and H.E. Haber, *Nucl. Phys.* **B273**, 333 (1986)
110. Higgs Bosons in Supersymmetric Models – I, J.F. Gunion and H.E. Haber, *Nucl. Phys.* **B272**, 1 (1986) [Erratum: *Nucl. Phys.* **B402**, 567 (1993)].
111. Supersymmetry: Lost or Found?, R.M. Barnett, H.E. Haber and G.L. Kane, *Nucl. Phys.* **B267**, 625 (1986).
112. A Model Independent Analysis of Hadronic Decays of J/ψ and $\eta_c(2980)$, H.E. Haber and J. Perrier, *Phys. Rev.* **D32**, 2961 (1985).
113. Is Low-Energy Supergravity Consistent with Cosmology and Particle Physics Experiments, H.E. Haber, G.L. Kane and M. Quiros, *Phys. Lett.* **160B**, 297 (1985).

114. Implications of a Systematic Study of the CERN Monojets for Supersymmetry, R.M. Barnett, H.E. Haber, and G.L. Kane, *Phys. Rev. Lett.* **54**, 1983 (1985).
115. Implications of a Higgs Interpretation of the $\zeta(8.3)$, H.E. Haber and G.L. Kane, *Nucl. Phys.* **B250**, 716 (1985).
116. Gluinoonium: The Hydrogen Atom of Supersymmetry, T. Goldman and H.E. Haber, *Physica* **15D**, 181 (1985).
117. Detection of Supersymmetric Particles in W-Boson Decay, R.M. Barnett and H.E. Haber, *Phys. Rev.* **D31**, 85 (1985).
118. The Search for Supersymmetry: Probing Physics Beyond the Standard Model, H.E. Haber and G.L. Kane, *Physics Reports* **117**, 75 (1985).
119. Signatures and Possible Evidence for Supersymmetry at the CERN Collider, H.E. Haber and G.L. Kane, *Phys. Lett.* **142B**, 212 (1984).
120. Application of a Softly Broken Supersymmetric Model to the Properties of the Scalar Neutrino, H.E. Haber, R.M. Barnett, and K.S. Lackner, *Phys. Rev.* **D29**, 1990 (1984).
121. Production of Scalar Leptons in W and Z Boson Decay, R.M. Barnett, H.E. Haber, and K.S. Lackner, *Phys. Rev.* **D29**, 1381 (1984).
122. On the Finiteness of θ_{QCD} Renormalization in Supersymmetric Theories, R. Akhoury, I.I. Bigi, and H.E. Haber, *Phys. Lett.* **135B**, 113 (1984).
123. Some Tests for Whether a Narrow Neutral Resonance can be a Higgs Particle, H.E. Haber and G.L. Kane, *Phys. Lett.* **135B**, 196 (1984).
124. Gluino Decays and Experimental Signatures, H.E. Haber and G.L. Kane, *Nucl. Phys.* **B232**, 333 (1984).
125. Discovering Supersymmetric Particles in W-Boson Decay and e^+e^- Annihilation, R.M. Barnett, K.S. Lackner, and H.E. Haber, *Phys. Rev. Lett.* **51**, 176 (1983).
126. The Decay of the Scalar Neutrino, R.M. Barnett, K.S. Lackner, and H.E. Haber, *Phys. Lett.* **126B**, 64 (1983).
127. Baryon Asymmetry and the Scale of Supersymmetry Breaking, H.E. Haber, *Phys. Rev.* **D26**, 1317 (1982).
128. Influence of the Functional Form of the Density of Intermediate Energy Hadron-Nucleus Scattering, H.E. Haber and D.A. Sparrow, *Phys. Rev.* **C25**, 1959 (1982).
129. The Constraint of Broken Charge Conjugation Invariance on the Baryon Asymmetry in Grand Unified Theories, H.E. Haber, G. Segre, and S.K. Soni, *Phys. Rev.* **D25**, 1400 (1982).
130. On the Relativistic Bose-Einstein Integrals, H.E. Haber and H.A. Weldon, *Journal of Mathematical Physics* **23**, 1852 (1982).

131. Finite Temperature Symmetry Breaking as Bose-Einstein Condensation, H.E. Haber and H.A. Weldon, *Phys. Rev.* **D25**, 502 (1982).
132. Thermodynamics of an Ultrarelativistic Ideal Bose Gas, H.E. Haber and H.A. Weldon, *Phys. Rev. Lett.* **46**, 1497 (1981).
133. Higher Order QCD Corrections to Double Moment Ratios in Deep Inelastic Scattering, J. Sheiman, I. Hinchliffe, and H.E. Haber, *Nucl. Phys.* **B183**, 397 (1981).
134. Large Corrections to High p_T Hadron-Hadron Scattering in QCD, R.K. Ellis, M. Furman, H.E. Haber, and I. Hinchliffe, *Nucl. Phys.* **B173**, 397 (1980).
135. The CP^{n-1} Model with Unconstrained Variables, H.E. Haber, I. Hinchliffe, and E. Rabinovici, *Nucl. Phys.* **B172**, 458 (1980).
136. The Fermion Mass Scale and Possible Effects of Higgs Bosons on Experimental Observables, H.E. Haber, G.L. Kane, and T. Sterling, *Nucl. Phys.* **B161**, 493 (1979).
137. Detection of Intermediate Vector Bosons and High Energy Weak Interactions from Decay of Hadron Resonances, H.E. Haber and G.L. Kane, *Nucl. Phys.* **B146**, 109 (1978).
138. Will Large Weak Interaction Effects be Observable at Very High Energies? H.E. Haber and G.L. Kane, *Nucl. Phys.* **B144**, 525 (1978).
139. The Search for the A_1 Meson, H.E. Haber and G.L. Kane, *Nucl. Phys.* **B129**, 429 (1977).

Articles in Other Scientific Publications

1. Higgs Boson Physics—The View Ahead, H.E. Haber, arXiv:2210.00449 [hep-ph]. Published in the September 2022 issue of the CERN EP Newsletter of the EP department. URL: <https://ep-news.web.cern.ch/content/higgs-boson-physics-view-ahead>
2. Viewpoint: Higgs Decay into Bottom Quarks Seen at Last, H.E. Haber, *Physics* **11**, 91 (2018).
3. Viewpoint: Homing in on the Higgs Boson, H.E. Haber, *Physics* **5**, 32 (2012).
4. Explain it in 60 Seconds: The Higgs Boson, H.E. Haber, *Symmetry* (a joint Fermilab/SLAC publication) **3**, 40 (August 2006).
5. Is Nature Supersymmetric?, H.E. Haber and G.L. Kane, *Scientific American*, **254**, 52 (June 1986).

Contributions to Scientific Reports

1. *Handbook of LHC Higgs Cross Sections: 4. Deciphering the Nature of the Higgs Sector*, edited by D. de Florian *et al.*, arXiv:1610.07922 [hep-ph], CERN Yellow Reports: Monographs Volume 2/2017 (CERN-2017-002-M).
2. *International Linear Collider Reference Design Report*, Volume 2: Physics at the ILC, edited by A. Djouadi *et al.*, arXiv:0709.1893 [hep-ph] (August, 2007).

Book Reviews

1. Quarks Bottom to Top [a review of *Heavy Flavours* edited by A.J. Buras and M. Lindner], H.E. Haber, *Science* **261** (1993) 370.

Articles in Conference and Workshop Proceedings

1. A natural mechanism for a SM-like Higgs boson in the 2HDM without decoupling, H.E. Haber, PoS (DISCRETE2020-2021) 010, Proceedings of the 7th Symposium on Prospects in the Physics of Discrete Symmetries, DISCRETE 2020–2021, 29 November—3 December 2021, Bergen, Norway.
2. Implications of symmetries in the scalar sector, H.E. Haber, O. Ogreid, P. Osland and M. Rebelo, J. Phys. Conf. Ser. **1586** (2020) 012048, Proceedings of DISCRETE 2018: 6th Symposium on Prospects in the Physics of Discrete Symmetries, 26–30 November 2018, Vienna, Austria.
3. Approximate Higgs alignment without decoupling, H.E. Haber, in Proceedings of the 53th Rencontres de Moriond on QCD and High Energy Interactions, 17–24 March 2018, in La Thuile, Aosta Valley, Italy, edited by E. Augé, J. Dumarchez and J. Trân Thanh Vân (ARISF Publishers, France, 2018) pp. 139–142.
4. Future Higgs Studies: A Theorist’s Outlook, H.E. Haber, PoS CHARGED2016 (2017) 029, Proceedings of the 6th International Workshop on Prospects for Charged Higgs Discovery at Colliders (CHARGED 2016), 3–6 October 2016, Uppsala, Sweden.
5. The Wrong Sign limit in the 2HDM, P.M. Ferreira, R. Guedes, J.F. Gunion, H.E. Haber, M.O.P. Sampaio and R. Santos, in Proceedings of the 2nd Conference on Large Hadron Collider Physics (LHCP 2014), 2–7 June 2014, New York, NY, arXiv:1410.1926 [hep-ph].
6. The CP-conserving 2HDM after the 8 TeV run, P.M. Ferreira, R. Guedes, J.F. Gunion, H.E. Haber, M.O.P. Sampaio and R. Santos, in Proceedings of the XXII International Workshop on Deep-Inelastic Scattering and Related Subjects, 28 April–2 May 2014, Warsaw Poland, PoS(DIS2014)127.
7. The Higgs data and the Decoupling Limit, H.E. Haber, in Proceedings of the Toyama International Workshop on Higgs as a Probe of New Physics 2013 (HPNP2013), 13–16 February 2013, Toyama, Japan, arXiv:1401.0152 [hep-ph].
8. Higgs Working Group Report of the Snowmass 2013 Community Planning Study, S. Dawson, A. Gritsan, H. Logan, J. Qian, C. Tully, R. Van Kooten *et al.*, in Proceedings of the 2013 Snowmass on the Mississippi Community Summer Study (CSS2013), Minneapolis, MN, 29 July–6 August, 2013, arXiv:1310.8361 [hep-ph].
9. ILC Higgs White Paper, D.M. Asner, T. Barklow, C. Calancha, K. Fujii, N. Graf, H.E. Haber, A. Ishikawa, S. Kanemura *et al.*, in Proceedings of the 2013 Snowmass on the Mississippi Community Summer Study (CSS2013), Minneapolis, MN, 29 July–6 August, 2013, arXiv:1310.0763 [hep-ph].

10. A framework for precision 2HDM studies at the ILC and CLIC, H.E. Haber, in Proceedings of the 2011 International Workshop on Future Linear Colliders (LCWS11), Granada, Spain, 26-30 September, 2011, arXiv:1203.2631 [hep-ph] and LC-REP-2012-062.
11. Present status and future prospects for a Higgs boson discovery at the Tevatron and LHC, H.E. Haber, in Proceedings of the XVI Symposium in the Particles, Strings and Cosmology (PASCOS), 19–23 July, 2010, Valencia, Spain, edited by S. Cabrera et al., J. Phys.: Conf. Ser. **259**, 012017 (2010).
12. The CP-Violating Two-Higgs Doublet Model—Theory Review, H.E. Haber and M. Krawczyk, in Proceedings of the Workshop on CP Studies and Non-Standard Higgs Physics (CPNSH), edited by S. Kraml *et al.*, CERN Yellow Book, CERN-2006-009 (2006) pp. 5–17.
13. The CP-Violating Two-Higgs Doublet Model—Overview of Phenomenology, G. Grenier, H.E. Haber and M. Krawczyk, in Proceedings of the Workshop on CP Studies and Non-Standard Higgs Physics (CPNSH), edited by S. Kraml *et al.*, CERN Yellow Book, CERN-2006-009 (2006) pp. 17–24.
14. Basis-Independent Treatment of Higgs Couplings in the CP-Violating 2HDM, H.E. Haber, in Proceedings of the Workshop on CP Studies and Non-Standard Higgs Physics (CPNSH), edited by S. Kraml *et al.*, CERN Yellow Book, CERN-2006-009 (2006) pp. 25–30.
15. Quantum corrections to the MSSM $h^0 b\bar{b}$ vertex: Decoupling limit, H.E. Haber, H.E. Logan, S. Peñaranda and D. Temes, *Nucl. Phys. B (Proc. Suppl.)* **157**, 162 (2006), in the Proceedings of the 7th International Symposium on Radiative Corrections: Application of Quantum Field Theory to Phenomenology (RADCOR 2005), Shonan Village, Kanagawa, Japan, 2–7 October 2005.
16. Toward high precision Higgs-boson measurements at the international linear e^+e^- collider, S. Heinemeyer *et al.*, in the Proceedings of the 2005 International Linear Collider Physics and Detector Workshop and 2nd ILC Accelerator Workshop, Snowmass, Colorado, 14–27 August 2005, edited by Norman A. Graf, SLAC-R-798 report, eConf: C0508141.
17. Higgs Theory—A Brief Overview, H.E. Haber, in the Proceedings of the International Conference on Linear Colliders (LCWS-04), Paris, France, 19–23 April, 2004 (Editions de l’Ecole Polytechnique, Paris, France, 2005) pp. 145–149.
18. Decoupling and the radiatively corrected MSSM Higgs sector, H.E. Haber, *Nucl. Phys. B (Proc. Suppl.)* **116**, 291 (2003), in the Proceedings of the 6th International Symposium on Radiative Corrections: Application of Quantum Field Theory Phenomenology (RADCOR 2002) and 6th Zeuthen Workshop on Elementary Particle Theory (Loops and Legs in Quantum Field Theory), Kloster Banz, Germany, 8–13 September 2002, edited by J. Blümlein *et al.*
19. Higgs theory and phenomenology in the Standard Model and MSSM, H.E. Haber, in the Proceedings of the 10th International Conference on Supersymmetry and Unification

- of Fundamental Interactions (SUSY02), DESY Hamburg, Germany, 17–23 June 2002, edited by P. Nath and P.M. Zerwas (DESY publications, Hamburg, Germany, 2002) pp. 58–79.
20. Executive summary of the Snowmass 2001 working group (P1) “Electroweak Symmetry Breaking”, M. Carena, D.W. Gerdes, H.E. Haber, A.S. Turcot and P.M. Zerwas, in *Proceedings of the APS/DPF/DPB Summer Study on the Future of Particle Physics* (Snowmass 2001), edited by R. Davidson and C. Quigg, SNOWMASS-2001-P1001.
 21. Linear collider physics resource book for Snowmass 2001, T. Abe *et al.* [American Linear Collider Working Group Collaboration], SLAC-R-570.
 22. A light Higgs boson explanation for the $g - 2$ crisis, A. Dedes and H.E. Haber, hep-ph/0105014, to appear in the Proceedings of 36th Rencontres de Moriond on Electroweak Interactions and Unified Theories, Les Arcs, France, 10–17 Mar 2001.
 23. Low-energy supersymmetry and its phenomenology, H.E. Haber, *Nucl. Phys. B (Proc. Suppl.)* **101**, 217 (2001), in the Proceedings of the Symposium on 30 Years of Supersymmetry, Minneapolis, MN, 13–27 October 2000, edited by K.A. Olive, S. Rudaz and M. Shifman.
 24. Decoupling properties of MSSM particles in Higgs and top decays, H.E. Haber, M.J. Herero, H.E. Logan, S. Penaranda, S. Rigolin and D. Temes, hep-ph/0102169, in the Proceedings of the 5th International Symposium on Radiative Corrections (RADCOR 2000): Applications of Quantum Field Theory to Phenomenology, Carmel, CA 11–15 September 2000 (SLAC-R-579 and eConf C000911).
 25. Report of the Tevatron Higgs Working Group, M. Carena, J.S. Conway, H.E. Haber and J.D. Hobbs *et al.*, FERMILAB-Conf-00/270-T [hep-ph/0010338].
 26. The Case for a 500 GeV e^+e^- Linear Collider, by the American Linear Collider Working Group [J. Bagger *et al.*], SLAC-PUB-8495 [hep-ex/0007022].
 27. Neutrino masses and sneutrino mixing in R Parity Violating Supersymmetry, Y. Grossman and H.E. Haber, SLAC-PUB-8173 (1999) [hep-ph/9906310], presented at the DPF-99 Conference.
 28. How well can we predict the mass of the Higgs Boson of the Minimal Supersymmetric Model?, H.E. Haber, in the Proceedings of the *Fourth International Symposium on Radiative Corrections: Application of Quantum Field Theory to Phenomenology* (RADCOR 98), Universitat Autònoma de Barcelona, Barcelona, Catalonia, Spain, 8–12 September 1998, edited by J. Solà (World Scientific, Singapore, 1999) pp. 425–440.
 29. Probing the MSSM Higgs Sector at an e^-e^- Collider, H.E. Haber, *Int. J. Mod. Phys. A* **13** (1998) 2263 [in e^-e^- 1997: Proceedings of the Electron–Electron Linear Collider Workshop, Santa Cruz, CA, September 22–24, 1997, edited by C.A. Heusch].
 30. The Status of the Minimal Supersymmetric Standard Model and Beyond, H.E. Haber, *Nucl. Phys. B (Proc. Suppl.)* **62A-C** (1998) 469–484, in the Proceedings of the 5th

International Conference on Supersymmetries in Physics (SUSY 97), University of Pennsylvania, Philadelphia, PA, 27–31 May 1997, edited by M. Cvetič and P. Langacker.

31. Future Directions in Higgs Phenomenology, H.E. Haber, in *The Higgs Puzzle—What can We Learn from LEP2, LHC, NLC, and FMC?*, Proceedings of the Ringberg Workshop, Ringberg, Germany, 8–13 December 1996, edited by B.A. Kniehl (World Scientific, Singapore, 1997) pp. 327–338.
32. Will at Least One of the Higgs Bosons of the Next-to-Minimal Supersymmetric Extension of the Standard Model be Observable at LEP-2 or the LHC?, J.F. Gunion, H.E. Haber and T. Moroi, in the Snowmass '96 Proceedings, *ibid.* pp. 598–602.
33. Higgs Boson Discovery and Properties, J.F. Gunion *et al.*, in the Snowmass '96 Proceedings, *ibid.* pp. 541–587.
34. Weakly Coupled Higgs Bosons and Precision Electroweak Physics, H.E. Haber, T. Han, F.S. Merritt, J. Womersley *et al.*, in *New Directions for High Energy Physics*, Proceedings of the 1996 DPF/DPB Summer Study on High Energy Physics, Snowmass '96, edited by D.G. Cassel, L.T. Gennari and R.H. Siemann (Stanford Linear Accelerator Center, Stanford, CA, 1997) pp. 482–498.
35. Higgs Particles, A. Djouadi, H.E. Haber, P. Igo-Kemenes, P. Janot, P. Zerwas *et al.*, in *e^+e^- Collisions at TeV Energies: The Physics Potential*, Workshop Proceedings, edited by P.M. Zerwas, DESY-96-123D (1996) pp. 95–224.
36. Physics and Technology of the Next Linear Collider: A Report Submitted to Snowmass '96, by the NLC ZDR Design Group and NLC Physics Working Group [S. Kuhlman *et al.*], SLAC-R-0485 (1996).
37. Higgs Physics, M. Carena, P. Zerwas *et al.*, in *Report of the Workshop on Physics at LEP2*, edited by G. Altarelli, T. Sjostrand and F. Zwirner CERN-96-01 (1996), pp. 351–462.
38. Supersymmetric Hints from Precision Electroweak Data?, H.E. Haber, in the Proceedings of the 1995 International Europhysics Conference on High Energy Physics, 27 July–2 August, 1995, Brussels, Belgium, edited by J. Lemonne, C. Vander Velde, and F. Verbeure (World Scientific, Singapore, 1996) pp. 477–480.
39. Recent Refinements in Higgs Physics, H.E. Haber, in the Proceedings of the 1995 International Europhysics Conference on High Energy Physics, 27 July–2 August, 1995, Brussels, Belgium, edited by J. Lemonne, C. Vander Velde, and F. Verbeure (World Scientific, Singapore, 1996) pp. 15–18.
40. Low-Energy Supersymmetry: Prospects and Challenges, H.E. Haber, in *Elementary Particle Physics: Present and Future*, Proceedings of an International Workshop, Valencia, Spain, 5-9 Jun 1995, edited by J.W.F. Valle and A. Ferrer (World Scientific, Singapore, 1996) pp. 256–269.

41. Is $m_t \simeq m_W$ Ruled Out?, H.E. Haber, in the Proceedings of the XXXth Rencontres de Moriond, “Electroweak Interactions and Unified Theories”, Les Arcs, Savoie, France, 11–18 March, 1995, edited by J. Trân Thanh Vân (Editions Frontieres, Gif-sur-Yvette, France, 1995) pp. 249–255.
42. Electroweak Symmetry Breaking and New Physics at the TeV Scale, T.L. Barklow, S. Dawson, H.E. Haber, and J. Siegrist, in *Particle Physics—Perspectives and Opportunities*, Report of the DPF Committee on Long Term Planning, edited by R. Peccei *et al.* (World Scientific, Singapore, 1995) pp. 153–194.
43. Challenges for Non-Minimal Higgs Searches at Future Colliders, H.E. Haber, in *Beyond the Standard Model IV*, Proceedings of the Fourth International Conference on Physics Beyond the Standard Model, Granlibakken, Lake Tahoe, CA, 13–18 December, 1994, edited by J.F. Gunion, T. Han and J. Ohnemus (World Scientific, Singapore, 1995) pp. 151–163; and in *Perspectives for Electroweak Interactions in e^+e^- Collisions*, Proceedings of the Ringberg Workshop, Ringberg Castle, Tegernsee, Germany, 5–8 February, 1995, edited by B.A. Kniehl (World Scientific, Singapore, 1995) pp. 219–231.
44. Nonminimal Higgs Sectors: The Decoupling Limit and Its Phenomenological Implications, H.E. Haber, in *Electroweak Symmetry Breaking*, Proceedings of the Budapest Workshop, Budapest, Hungary, July 11–13, 1994, edited by F. Csikor and G. Pócsik (World Scientific, Singapore, 1995) pp. 1–15; and in *Physics From the Planck Scale to the Electroweak Scale*, Proceedings of the US–Polish Workshop, Warsaw, Poland, September 21–24, 1994, edited by P. Nath, T. Taylor, and S. Pokorski (World Scientific, Singapore, 1995) pp. 49–63.
45. Spin Formalism and Applications to New Physics Searches, H.E. Haber, in *Spin Structure in High Energy Processes*, Proceedings of the 21st SLAC Summer Institute on Particle Physics, SLAC, Stanford, CA, 26 July—6 August 1993, edited by L. DePorcel and C. Dunwoodie (SLAC-Report-444, 1994) pp. 231–272.
46. The Supersymmetric Top-Ten Lists, H.E. Haber, in *Proceedings of the Workshop on Recent Advances in the Superworld*, Houston Advanced Research Center, April 14–16, 1993, edited by J.L. Lopez and D.V. Nanopoulos (World Scientific, Singapore, 1994) pp. 27–51.
47. Vector Leptoquark Production at Hadron Colliders, J.L. Hewett, T.G. Rizzo, S. Pakvasa, H.E. Haber and A. Pomarol, in *Proceedings of the Workshop on Physics at Current Accelerators and the Supercollider*, Argonne National Laboratory, June 2–5, 1993. edited by J.L. Hewett, A.R. White and D. Zeppenfeld, ANL-HEP-CP-93-92 (1993), pp. 539–546.
48. Phenomenology of Gluino Searches at the Tevatron, H.E. Haber, in *International Workshop on Supersymmetry and Unification of Fundamental Interactions, SUSY-93 Proceedings*, Northeastern University, Boston, MA, March 29–April 1, 1993, edited by Pran Nath (World Scientific, Singapore, 1993) pp. 373–390.
49. When are Radiative Corrections Important in the Minimal Supersymmetric Model, H.E. Haber, in *Properties of SUSY Particles*, Proceedings of the 23rd Workshop of the INFN

- Eloisatron Project, Erice, Italy, September 28–October 4, 1992, edited by L. Cifarelli and V.A. Khoze (World Scientific, Singapore, 1993) pp. 321–372.
50. The Higgs Sector in the Minimal Supersymmetric Model: Radiative Corrections and Their Implications, H.E. Haber, in *Proceedings of the International Workshop on Electroweak Symmetry Breaking*, Hiroshima, Japan, November 12–15, 1991, edited by W.A. Bardeen, J. Kodaira and T. Muta (World Scientific, Singapore, 1992) pp. 225–248.
 51. Higgs Theory and Phenomenology at Future e^+e^- Linear Colliders, by H.E. Haber, in *Physics and Experiments with Linear Colliders*, Proceedings of the Linear Collider Workshop, Saariselkä, Finland, 9–14 September, 1991, edited by R. Orava, P. Eerola and M. Nordberg (World Scientific, Singapore, 1992) pp. 235–275.
 52. Higgs Boson Production in Photon-Photon Collisions at a High Energy e^+e^- Linear Collider, J.F. Gunion and H.E. Haber, in *Research Directions for the Decade*, Proceedings of the 1990 Summer Study on High Energy Physics, Snowmass, CO, June 25–July 13, 1990, edited by E.L. Berger (World Scientific, Singapore, 1992), pp. 469–472.
 53. Report of the Subgroup on the Top Quark, R.M. Barnett *et al.*, in *ibid.*, pp. 354–365.
 54. Expected Limits on Supersymmetric Parameters at LEP-200, J.F. Gunion and H.E. Haber, in *ibid.*, pp. 206–207.
 55. Determining the Mass of the Gluino at the SSC, R.M. Barnett, J.F. Gunion and H.E. Haber, in *ibid.*, pp. 201–202.
 56. Searching for Top Decays to Charged Higgs Bosons with the SDC Detector, R.M. Barnett, J.F. Gunion, H.E. Haber, I. Hinchliffe, B. Hubbard and H.-J. Trost, in *ibid.*, pp. 82–90.
 57. Overview and Progress in Higgs Boson Physics at the Superconducting Super Collider, J.F. Gunion *et al.*, in *ibid.* pp. 59–81.
 58. Disposing of the Light Higgs Boson: Theoretical Issues in $K \rightarrow \pi H$, H.E. Haber, in *Higgs Particle(s): Physics Issues and Experimental Searches in High-Energy Collisions*, Proceedings of the 8th INFN Eloisatron Project Workshop, July 15–26, 1989, Erice, Italy, edited by A. Ali (Plenum Press, New York, 1990) p. 209.
 59. Non-Minimal Higgs Bosons: Theory and Phenomenology, H.E. Haber, in *Higgs Particle(s): Physics Issues and Experimental Searches in High-Energy Collisions*, Proceedings of the 8th INFN Eloisatron Project Workshop, July 15–26, 1989, Erice, Italy, edited by A. Ali (Plenum Press, New York, 1990) p. 111.
 60. Can the Higgs Sector Be Probed in Tau Lepton Decay?, H.E. Haber, in *Proceedings of the Tau-Charm Factory Workshop*, May 23–27, 1989, Stanford, CA, edited by L.V. Beers (SLAC-Report-343, June 1989), p. 538.
 61. Higgs Boson Hunting (Working Group Summary), S. Dawson, H.E. Haber and S. Rindani, in *Phenomenology of the Standard Model and Beyond*, Proceedings of the Workshop on High Energy Physics Phenomenology, 2–15 January 1989, TIFR, Bombay, India, edited by D.P. Roy and Probir Roy (World Scientific, Singapore, 1989), p. 357.

62. A Primer on Higgs Boson Low-Energy Theorems, S. Dawson and H.E. Haber, in *ibid.*, p. 324.
63. Minimal and Nonminimal Higgs Bosons: Two Introductory Lectures, H.E. Haber, in *ibid.*, p. 197.
64. Supersymmetry Signals at Present and Future Colliders, H.E. Haber, SCIPP-88/39 (1988), in *Superstrings, Unified Theories and Cosmology 1988*, The ICTP Series in Theoretical Physics—Volume 5, edited by G. Ellis *et al.* (World Scientific, Singapore, 1989) p. 582.
65. Like-Sign Dileptons as a Signal for Gluino Production, R.M. Barnett, J.F. Gunion, and H.E. Haber, in *Proceedings of the Summer Study on High energy Physics in the 1990s* June 27–July 15, 1988, Snowmass, CO, edited by S. Jensen (World Scientific, Singapore, 1989), p. 230.
66. Testing the Viability of the E_T^{miss} Signature in Gluino Production at the SSC, R.M. Barnett *et al.*, in *Proceedings of the Summer Study on High energy Physics in the 1990s* June 27–July 15, 1988, Snowmass, CO, edited by S. Jensen (World Scientific, Singapore, 1989), p. 226.
67. New Particle Signals at the SSC and at an Upgraded Tevatron Collider, R.M. Barnett *et al.*, in *Proceedings of the Summer Study on High energy Physics in the 1990s* June 27–July 15, 1988, Snowmass, CO, edited by S. Jensen (World Scientific, Singapore, 1989), p. 159.
68. Higgs Bosons Beyond the Standard Model, J.F. Gunion and H.E. Haber, in *XXIV International Conference on High Energy Physics*, Munich, August, 1988, edited by R. Kotthaus and J.H. Kühn (Springer-Verlag, Berlin, 1989) p. 1475.
69. Opportunities and Requirements for Experimentation at a Very High Energy e^+e^- Collider, C. Ahn *et al.*, SLAC-Report-329 (1988).
70. Techniques for Finding Supersymmetry at the SSC, R.M. Barnett *et al.*, in *Proceedings of the Workshop on Experiments, Detectors, and Experimental Areas for the Supercollider*, Berkeley, CA 1987, edited by R. Donaldson and M.G.D. Gilchriese (World Scientific, Singapore, 1988) p. 178.
71. Probing the Non-Minimal Higgs Sector at the SSC, J.F. Gunion, H.E. Haber, S. Komamiya, H. Yamamoto, and A. Barbaro-Galtieri, in *Proceedings of the Workshop on Experiments, Detectors, and Experimental Areas for the Supercollider*, Berkeley, CA 1987, edited by R. Donaldson and M.G.D. Gilchriese (World Scientific, Singapore, 1988) p. 110.
72. Search for Supersymmetry at Future Colliders, H.E. Haber, in the Proceedings of the 1987 International Europhysics Conference on High Energy Physics, Uppsala, Sweden, edited by O. Botner (European Physical Society, Switzerland, 1987) p. 226

73. Calculation and Phenomenology of Two Body Decays of Neutralinos and Charginos to W , Z , and Higgs Bosons, J.F. Gunion, H.E. Haber *et al.*, *Int. J. Mod. Phys. A2*, 1145 (1987); and in *From Colliders to Supercolliders*, Proceedings of the 1987 Madison Meeting, edited by V. Barger and F. Halzen, (World Scientific, Singapore, 1987), p. 255.
74. Gluino Decays to W and Z Bosons at the SSC, H. Baer *et al.*, *Int. J. Mod. Phys. A2*, 1131 (1987); and in *ibid.*, p. 241.
75. Superstrings: Group Report, R. Arnowitt *et al.*, *Int. J. Mod. Phys. A2*, 1097 (1987); and in *ibid.*, p. 223.
76. Decays of Higgs Bosons to Neutralinos and Charginos in the Minimal Supersymmetric Model: Calculation and Phenomenology, J.F. Gunion and H.E. Haber *et al.*, *Int. J. Mod. Phys. A2*, 1035 (1987); and in *ibid.*, p. 145.
77. Probing the Higgs Sector at the SSC: The Standard Model and Beyond, J.F. Gunion and H.E. Haber, *Int. J. Mod. Phys. A2*, 957 (1987); and in *ibid.*, p. 67.
78. Distribution of Heavy Particles in the Proton, H.E. Haber, D.E. Soper, and R.M. Barnett, in *Physics Simulations at High Energies*, Madison, Wisconsin (May, 1986), edited by V. Barger, T. Gottschalk, and F. Halzen (World Scientific, Singapore, 1987) p. 425.
79. The Search for Supersymmetry at the Tevatron and SSC, R.M. Barnett and H.E. Haber, in *Physics Simulations at High Energies*, Madison, Wisconsin (May, 1986), edited by V. Barger, T. Gottschalk, and F. Halzen (World Scientific, Singapore, 1987) p. 442.
80. Beyond the Standard Model at the SSC, H.E. Haber, in *Supercollider Physics*, Proceedings of the Oregon Workshop on Super High Energy Physics, edited by D.E. Soper (World Scientific, Singapore, 1986) p. 194.
81. What if the Higgsino is the Lightest Supersymmetric Particle?, H.E. Haber, in the *Proceedings of the 13th SLAC Summer Institute on Particle Physics*, Stanford, CA, July 29–August 9, 1985, edited by Eileen C. Brennan (SLAC Report No. 296) p. 143.
82. Signatures of Supersymmetry at the CERN Collider, H.E. Haber, in *New Particles 1985*, Madison, Wisconsin (May, 1985), edited by V. Barger, D. Cline, and F. Halzen (World Scientific, Singapore, 1986) p. 128; also in *Tests of Electroweak Theories: Polarized Processes and Other Phenomena*, Trieste, Italy (June, 1985), edited by B.W. Lynn and C. Verzegnassi (World Scientific, Singapore, 1986) p. 185.
83. Implications for Supersymmetry of the CERN Monojets, H.E. Haber, in *The Santa Fe Meeting*, First Annual Meeting (New Series) of the Division of Particles and Fields of the American Physical Society, Oct. 31–Nov. 3, 1984, edited by T. Goldman and M.M. Nieto (World Scientific, Singapore, 1985) p. 390.
84. Searching for Supersymmetry at the SSC, S. Dawson *et al.*, in *Proceedings of the 1984 Summer Study on the Design and Utilization of the Superconducting Super Collider*, Snowmass, Colorado, June 23–July 13, 1984, p. 263.
85. Simulating Supersymmetry at the SSC, R.M. Barnett and H.E. Haber, *ibid.*, p. 296.

86. Signals of new W's and Z's, H.E. Haber, *ibid.*, p. 125.
87. Search for Horizontal Gauge Bosons at the SSC, C.H. Albright, N.G. Deshpande, J.F. Gunion, and H.E. Haber, *ibid.*, p. 144.
88. Reconstructing Couplings from Asymmetries in Heavy Z-Boson Decays, N.G. Deshpande, J.F. Gunion, and H.E. Haber, *ibid.*, p. 119.
89. τ -Decay Spectra at the SSC, J.F. Gunion and H.E. Haber, *ibid.*, p. 150.
90. Taus—A Probe of New W and Z Couplings, H.E. Haber, in *ibid.*, p. 157.
91. Non-Standard Higgs Bosons, P. Langacker *et al.*, *ibid.*, p. 13.
92. Low Energy Signals of Composite Models, R. Barbieri *et al.*, published in the *Proceedings of the Workshop on Electroweak Symmetry Breaking*, p. 37 (1984).
93. Heavy Particle Production at the SSC, S.J. Brodsky, H.E. Haber, and J.F. Gunion, in the *Proceedings of the 1984 DPF Workshop on $p\bar{p}$ Options for the Supercollider*, H.E. Haber, edited by J.E. Pilcher and A.R. White, American Physical Society (1984), p. 100.
94. Production of Gluino-Gluino Bound States at Hadron Colliders, in *ibid.*, p. 287.
95. Are Supersymmetry and Grand Unification Compatible? H.E. Haber, in *Quarks, Leptons and Supersymmetry*, edited by J. Tran Thanh Van (Editions Frontieres, France, 1982).