

Curriculum Vitae for Sally Dawson

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Education

Ph. D in Physics from Harvard University, 1981
Thesis: Radiative Corrections to $\sin^2 \theta_W$; Supervisor: H.M. Georgi
A. M. in Physics from Harvard University, 1978
B.S. in Physics and Mathematics from Duke University,
Summa Cum Laude, 1977

Professional Experience

2001-present, Adjunct Professor, C. N. Yang
Institute for Theoretical Physics, SUNY, Stony Brook
1998-2004, Group leader, High energy theory, Brookhaven National
Laboratory
1994-present, Senior Scientist, Brookhaven National Laboratory
1990-1994, Physicist, Brookhaven National Laboratory
1988-1990, Associate Physicist, Brookhaven National Laboratory
1986-1988, Assistant Physicist, Brookhaven National Laboratory
1983-1986, Research Associate, Lawrence Berkeley Laboratory
1981-1983, Research Associate, Fermilab

Committee Membership, Other Professional Activities

2004, Vice Chair, Elementary Particle Physics 2010 committee
of the National Research Council
2004-2006, Member, International Committee for Future Accelerators
(ICFA)
2004, Chair, Division of Particles and Fields, A.P.S.
2003, Chair-elect, Division of Particles and Fields, A.P.S.
2002-present, Member, U.S. Linear Collider Steering Committee
2002-2004 Member, HEPAP subcommittee on Outreach

2002-2004, Member, URA Visiting Committee, Fermilab
2002, Vice-Chair, Division of Particles and Fields, A.P.S.
1999-2002, Member, High Energy Physics Advisory Panel
of the Department of Energy
1999-2002, APS Divisional Councilor for the Division of
Particles and Fields
2001-2002, Nominating Committee, Division of Particles of Beams, APS
2000-2001, Member, LBNL Physics Division Program Review
1999, Member, ANL Physics Division Program Review
1998, APS Centennial Speaker
1997, Member, HEPAP subpanel on The Future of High Energy Physics
1997-2000, Member, APS Committee on the Status of Women in Physics
1995-2004, Associate Editor, Physical Review D
1995, Fellow of the American Physical Society
1995, Town of Brookhaven, Woman of the Year in Science
1994-1996, Member, Executive Committee of the Division of Particle and
Fields of the American Physical Society
1991-1993, Member, SSC Program Advisory Committee

BNL Committees

2003-2004, Chair, Physics Department High Energy Planning Committee
1998-present, Member, BNL High Energy and Nuclear Physics Program
Advisory Committee
1996-2003, Chair, Physics Department Library Committee
1996-1999, Member, Brookhaven Council

Teaching

Fall, 2003, Graduate course on *Advanced Theoretical Particle Physics*,
SUNY, Stony Brook
Fall, 2001, Graduate course on *Electroweak Symmetry Breaking*,
SUNY, Stony Brook
September, 2004, *Introduction to Hadronic Physics*,
Maria Laach School, Maria Laach, Germany
June, 2002, *The Top Quark: QCD and New Physics* TASI,
Boulder, Colorado
June, 2000, *QCD and New Physics*, CTEQ Summer School,

Lake Geneva, Wisconsin
June 29-July 17, 1998, *Introduction to the Standard Model*,
Summer School on High Energy Physics and Cosmology, Trieste
June 2-6, 1997, *The MSSM and Why it Works*, TASI, Boulder, Colorado
July 11-22, 1996, *SUSY and Such*, ASI Summer School,
St. Croix

Seminars, Colloquium, and Conference Talks (after 1995)

- *LHC/LC Complementarity*, Victoria Linear Collider Meeting, Victoria, Canada July 28, 2004.
- *Associated Higgs-Heavy Quark Production*, Victoria Linear Collider Meeting, Victoria, Canada July 28, 2004
- *The Status of the Standard Model*, Hadron Collider Physics 2004, Michigan State University, June 14, 2004.
- *The Case for a Linear Collider*, Colloquium, Brookhaven National Laboratory, April 6, 2004.
- *The Case for a Linear Collider*, Colloquium, University of Wisconsin, March 22, 2004.
- *Associated Higgs Boson Production*, Seminar, New York University, March 10, 2004.
- *The Case for a Linear Collider*, Colloquium, Boston University, February 10, 2004.
- *The Higgs Boson: A Theoretical Perspective*, Aspen Winter Conference February 2, 2004.
- *A Roadmap For Colliders*, Colloquium, Purdue University, November 6, 2003.
- *A Roadmap For Colliders*, Fermilab Wine and Cheese talk, October 17, 2003.
- *Progress in Electroweak Symmetry Breaking, Weak Interactions and Neutrinos Conference*, October 6, 2003.
- *Probing the Higgs Yukawa Couplings at the LHC*, University of British Columbia, July 15, 2003.
- *Workshop Summary*, Workshop on TeV Scale Physics, Les Houches, France June 6, 2003.

- *Physics at a Linear Collider*, Colloquium, University of Oklahoma, March 6, 2003.
- *NLC QCD Corrections to $t\bar{t}h$ Production*, University of Oklahoma, March 6, 2003.
- *Why We Need Both the LHC and a Linear Collider*, BNL Particle Physics Seminar, Jan. 16, 2003.
- *$t\bar{t}h$ Production: an Update*, Workshop on Linear Collider Physics, University of Texas at Arlington, Jan. 12, 2003.
- *The LC/LHC Synergy*, Workshop on LHC/LC Complementarity, Fermilab, Dec. 13, 2002.
- *The Physics Case for a Linear Collider*, Colloquium, Princeton University, October 17, 2002.
- *The LHC/LC Complementarity*, 14th Topical Conference on Hadron Collider Physics, Karlsruhe, Germany, October 3, 2002.
- *The Physics Case for a Linear Collider*, Colloquium, Michigan State University, September 26, 2002.
- *The Physics Case for a Linear Collider*, APS Meeting, Albuquerque, N.M., April 20, 2002.
- *The Physics Case for a Linear Collider*, Colloquium, Stony Brook, April 16, 2002.
- *Linear Colliders: The Challenge Ahead*, Linear Collider Workshop, Chicago, Illinois, January 7-9, 2002.
- *Hadroproduction of Higgs Bosons*, Snowmass, Colorado, July 5, 2001.
- *Conference Summary*, PHENO01, Madison, Wisconsin, May 9, 2001.
- *Supersymmetry at the Tevatron*, EDM Workshop, BNL, May 14, 2001.

- *$t\bar{t}h$ Production at a $\gamma\gamma$ Collider*, **International Conference on $\gamma\gamma$ collisions**, Fermilab, **March 15, 2001.**
- *Top Quark Yukawa Couplings and New Physics*, **5th International Linear Collider Workshop**, Fermilab, **October 24-28, 2000.**
- *$t\bar{t}h$ Production at the LHC*, **Working group meeting on top quark physics at a Linear Collider**, Fermilab, **June 22, 2000.**
- *The Search for the Higgs Boson*, **Colloquium**, Florida State University, **March 2, 2000.**
- *Physics in 2006*, **Workshop on Studies on Colliders and Collider Physics at the Highest Energies**, Montauk, N.Y., **September 27- October 1, 1999.**
- *Prospects for Finding Supersymmetry*, **Seminar at Stony Brook**, **Oct. 27, 1998.**
- *Low Energy Constraints on New Physics: A Status Report*, **Seminar at Stony Brook**, **Sept 28, 1998.**
- *Higgs Boson Pair Production*, **Talk at Fermilab Workshop on Physics at the Tevatron**, **May 14, 1998.**
- *Low Energy Theorems and Higgs Physics*, **Seminar at Yale University**, **May 11, 1998.**
- *The Search for Electroweak Symmetry Breaking*, **colloquium at the University of Oregon**, **Feb. 26, 1998.**
- *Discovering the Higgs Boson*, **Invited talk at the Aspen Winter Conference**, **Jan. 27, 1998.**
- *Low Energy Theorems and Higgs Physics*, **seminar at the University of Massachusetts, Amherst**, **Oct. 3, 1997.**
- *Higgs Physics Beyond the Minimal Model*, **seminar at Argonne National Laboratory**, **Jan. 15, 1997.**

- *Probing Non-Standard Model Three Gauge Boson Couplings*, seminar at Institute for Theoretical Physics, Stony Brook, Nov. 18, 1996.
- *Who Needs SUSY?*, colloquium at Syracuse University, Oct. 24, 1996.
- *The Origin of Particle Masses in the Standard Model*, Invited talk at the Seventh Annual Northeast Regional Physics Conference, BNL, Oct. 26, 1996.
- *Conference Summary*, Divisional Meeting of the Division of Particles and Fields, Minneapolis, MN, Aug. 10-15, 1996.
- *Limits on Anomalous Couplings From LEP Data*, Workshop on New Directions for High Energy Physics, Snowmass, CO., June 24-July 12, 1996.
- *The Status of QCD*, Workshop on New Directions for High Energy Physics, Snowmass, CO., June 24-July 12, 1996.
- *New Physics From Anomalous Gauge Boson Interactions*, Workshop on Physics with High Energy e^+e^- Colliders, BNL, May 6-8, 1996.
- *QCD Corrections to Higgs Production: The Role of Squark Loops*, May 24, 1996, BNL.
- *Precision Measurement of the W Mass at a Muon Collider*, 9th ICFA Workshop on Advanced Beam Dynamics, Montauk, N.Y., Oct. 16, 1995.
- *Heavy Higgs Bosons: A Status Report*, International Symposium on Particle Theory and Phenomenology, Ames, Iowa, May 24, 1995

Conference Organization (after 1996)

- Organizing Committee, TEV4LHC Workshop, BNL, Feb 3-5, 2005.

- Organizing Committee, LCWS 2005, Stanford University, March 18-22, 2005.
- Organizing Committee, IVth Les Houches Workshop on Collider Physics, Les Houches, France, May 2-22, 2005.
- International Advisory Board, RadCor 2005, Hayama City, Japan Oct. 2-7, 2005.
- Organizing Committee, TEV4LHC Workshop, Fermilab, September 16-18, 2004.
- Organizing Committee, Linear Collider Workshop, University of Victoria, July 28-31, 2004.
- Organizing Committee, LOOPFESTIII, KITP, Santa Barbara, CA, April 1-3, 2004.
- Organizing Committee, Linear Collider Workshop, Cornell, July 11-13, 2003.
- Program Chair, LOOPFESTII, BNL, May 14-16, 2003.
- Program Chair, DPF2003, Philadelphia, April 4-8, 2003.
- Organizing Committee, Workshop on LHC/LC Complementarity, Fermilab, Dec. 12-13, 2002.
- Organizing Committee, Linear Collider Workshop, University of Texas, Arlington, Jan 9-12, 2003.
- International Advisory Committee, Aspen Winter Conference, Jan 19-25, 2003.
- Organizing Committee, Les Houches Workshop on Collider Physics, Les Houches, France, June, 2003.
- Organizing Committee, LOOPFEST, BNL, May 9-10, 2002.
- Organizing Committee, Linear Collider Workshop, June, 2002, University of California, Santa Cruz.

- International Advisory Committee, Centennial Conference in Commemoration of Eugene Wigner, July 8-12, 2002, Hungary.
- Organizing Committee, Linear Collider Workshop, Jan 7-9, 2002, University of Chicago.
- International Advisory Committee, Aspen Winter Workshop, January, 2001.
- Organizing Committee, Second International Workshop on $\gamma\gamma$ Colliders, March 14-17, 2001, Fermilab.
- Organizing Committee, Snowmass, 2001, June 28-July 21, 2001, Snowmass, Colorado.
- Organizing Committee, Linear Collider Workshop, Jan., 1999, LBNL.
- International Advisory Committee, IVth International Symposium on Radiative Corrections, Sept 8-12, 1998, Barcelona, Spain.
- Convenor of the QCD subgroup of Workshop on New Directions for High Energy Physics, Snowmass, CO., June 14-July 12, 1996.
- Local organizing committee of Workshop on New Directions for High Energy Physics, Snowmass, CO., June 14-July 12, 1996.
- International Advisory Panel, Physics at the LHC, Fermilab, Chicago, Ill, Feb. 28-30, 1996.

PUBLICATIONS LIST FOR SALLY DAWSON

1. S. Dawson, C. Jackson, L. Reina, and D. Wackerorth, HIGGS BOSON PRODUCTION WITH BOTTOM QUARKS AT HADRON COLLIDERS, submitted to DPF04, hep-ph/0409345.
2. M. C. Chen and S. Dawson, THE LITTLEST HIGGS MODEL AND ONE-LOOP ELECTROWEAK PRECISION CONSTRAINTS, Talk presented at 12th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY04), Tsukuba, Japan, 17-23 June 2004, hep-ph/0409163.
3. S. Dawson, C. Jackson, L. Reina, and D. Wackerorth, HIGGS BOSON PRODUCTION WITH ONE BOTTOM QUARK JET AT HADRON COLLIDERS, submitted to *Phys. Rev. Lett.*, hep-ph/0408077.
4. K. Assamagan *et. al.*, THE HIGGS WORKING GROUP: SUMMARY REPORT 2003, Proceedings of Les Houches Workshop: Physics at TeV Colliders, Les Houches, France, 26 May-6 June, 2003, hep-ph/0406152.
5. J. Campbell *et. al.*, HIGGS BOSON PRODUCTION IS ASSOCIATION WITH BOTTOM QUARKS, Proceedings of Les Houches Workshop: Physics at TeV Colliders, Les Houches, France, 26 May-6 June, 2003, hep-ph/0405302.
6. S. Dawson and M. Oreglia, PHYSICS OPPORTUNITIES WITH A TEV LINEAR COLLIDER, submitted to *Ann. Rev. Nucl. and Part. Phys.*, March, 2004, hep-ph/0403015.
7. S. Dawson, D. Dicus, C. Kao, and R. Malhotra, DISCOVERING THE HIGGS BOSONS OF MINIMAL SUPERSYMMETRY WITH MUONS AND A BOTTOM QUARK, *Phys. Rev. Lett.*, 92 (2004) 241801, hep-ph/0402172.

8. B. Field, S. Dawson, and J. Smith, SCALAR AND PSEUDOSCALAR HIGGS BOSON PLUS ONE JET PRODUCTION AT THE LHC AND TEVATRON, *Phys. Rev. D* **69**, (2004) 074013, hep-ph/0311199.
9. S. Dawson, C. Jackson, L. Reina, and D. Wackerroth, EXCLUSIVE HIGGS BOSON PRODUCTION WITH BOTTOM QUARKS AT HADRON COLLIDERS, *Phys. Rev. D* **69**, (2004) 074027, hep-ph/0311067.
10. M.-C. Chen and S. Dawson, ONE-LOOP CORRECTIONS TO THE RHO PARAMETER IN LITTLE HIGGS MODELS, *Phys. Rev. D* **70**, (2004) 015003, hep-ph/0311032.
11. S. Dawson, L. Orr, L. Reina, and D. Wackerroth, ASSOCIATED HIGGS BOSON PRODUCTION WITH HEAVY QUARKS, 38th Rencontre de Moriond on Weak Interactions and Unified Theories, Les Arcs, France, hep-ph/0305282.
12. S. Dawson, C. Jackson, L. Orr, L. Reina, and D. Wackerroth, ASSOCIATED HIGGS PRODUCTION WITH TOP QUARKS AT THE LHC: NLO QCD CORRECTIONS, *Phys. Rev. D* **68** 034022 (2003), hep-ph/0305087.
13. S. Dawson, L. Orr, L. Reina, and D. Wackerroth, ASSOCIATED TOP QUARK-HIGGS BOSON PRODUCTION AT THE LHC, *Phys. Rev. D* **67** (2003) 071503, hep-ph/0211438.
14. S. Dawson, L. Orr, L. Reina, and D. Wackerroth, NLO QCD PREDICTIONS FOR ASSOCIATED $t\bar{t}h$ PRODUCTION IN HADRONIC COLLISIONS, RADCOR2002, Koster Banz, Germany, September, 2002, hep-ph/0211373.
15. S. Dawson, WHY WE NEED BOTH THE LHC AND A LINEAR COLLIDER, 14th Topical Conference on Hadron Collider Physics, Karlsruhe, Germany, September, 2002, hep-ph/0211192.

16. S. Dawson, L. Orr, L. Reina, and D. Wackerth, QCD CORRECTIONS TO ASSOCIATED $t\bar{t}h$ PRODUCTION IN HADRON COLLIDERS, ICHEP 2002, Amsterdam, hep-ph/0210109.
17. S. Dawson, D. Dicus, and C. Kao, SEARCHING FOR THE HIGGS BOSONS OF MINIMAL SUPERSYMMETRY WITH MUON PAIRS AND BOTTOM QUARKS, *Phys. Lett.* B545 132, 2002, hep-ph/0208063.
18. S. Dawson, GAUGE BOSONS, The MacMillan Encyclopedia of Physics, 2002.
19. S. Dawson, THE STANDARD MODEL, The MacMillan Encyclopedia of Physics, 2002.
20. S. Dawson and S. Heinemeyer, THE HIGGS BOSON PRODUCTION CROSS SECTION AS A PRECISION OBSERVABLE, *Phys. Rev.* D66 055002, 2002, hep-ph/0203067.
21. L. Reina, S. Dawson, and D. Wackerth, ASSOCIATED HIGGS BOSON PRODUCTION WITH HEAVY QUARKS AT HADRON COLLIDERS: IMPACT OF NLO RESULTS, proceedings of Snowmass 2001, hep-ph/0110299.
22. S. Dawson, HIGGS BOSON PRODUCTION RATES IN HADRONIC COLLISIONS, proceedings of Snowmass 2001, hep-ph/0111226.
23. L. Reina, S. Dawson, and D. Wackerth, QCD CORRECTIONS TO ASSOCIATED $t\bar{t}h$ PRODUCTION AT THE TEVATRON, *Phys. Rev.* D65 (2002), 053017.
24. L. Reina and S. Dawson, NEXT-TO-LEADING ORDER RESULTS FOR $t\bar{t}h$ PRODUCTION AT THE TEVATRON, *Phys. Rev. Lett.* 87 (2001), 201804, hep-ph/0107101.
25. American Linear Collider Working Group, LINEAR COLLIDER PHYSICS RESOURCE BOOK FOR SNOWMASS 2001, hep-ex/0106056 (part 2).

26. S. Dawson and L. Reina, TOP QUARK YUKAWA COUPLINGS AND NEW PHYSICS, Talk given at 5th International Linear Collider Workshop (LCWS 2000), Fermilab, Batavia, Illinois, 24-28 Oct 2000, hep-ph/0101079.
27. S. Dawson and L. Reina, ASSOCIATED TOP HIGGS PRODUCTION AT FUTURE COLLIDERS, Talk given at DPF 2000: The Meeting of the Division of Particles and Fields of the American Physical Society, hep-ph/0011290.
28. S. Dawson, PHYSICS IN 2006, Invited talk at Workshop on Studies on Colliders and Collider Physics at the Highest Energies: Muon Colliders at 10-TeV to 100-TeV (HEMC 99), Montauk, New York, 27 Sep - 1 Oct 1999, hep-ph/9912433.
29. T.L. Barklow, S. Dawson, H.E. Haber, J.L. Siegrist, ELECTROWEAK SYMMETRY BREAKING AND NEW PHYSICS AT THE TEV SCALE. World Scientific (1996).
30. S. Dawson and L. Reina, MEASURING THE HIGGS YUKAWA COUPLINGS AT A NEXT LINEAR COLLIDER, proceedings of 4th International Workshop on Linear Colliders (LCWS 99), Sitges, Barcelona, Spain, 28 Apr - 5 May 1999, hep-ph/9910228.
31. H. Baer, S. Dawson, L. Reina, MEASURING THE TOP QUARK YUKAWA COUPLING AT A LINEAR E+ E- COLLIDER, *Phys.Rev. D*61 (2000),013002, hep-ph/9906419.
32. S. Dawson and L. Reina, MEASURING THE HIGGS BOSON YUKAWA COUPLINGS AT AN NLC, Contributed to American Physical Society (APS) Meeting of the Division of Particles and Fields (DPF 99), Los Angeles, CA, 5-9 Jan 1999, hep-ph/9903360.
33. S. Dawson, INTRODUCTION TO ELECTROWEAK SYMMETRY BREAKING, Lectures given at ICTP Summer School in High-Energy Physics and Cosmology, Miramare, Trieste, Italy, 29 Jun - 17 Jul 1998, hep-ph/9901280.

34. S. Dawson and L. Reina, ASSOCIATED HIGGS PRODUCTION IN THE MSSM, *Phys.Rev.* D60,(1999), 015003, hep-ph/9812488.
35. S. Dawson and L. Reina, QCD CORRECTIONS TO ASSOCIATED HIGGS BOSON HEAVY QUARK PRODUCTION, *Phys. Rev.* D59, (1999), 054012, hep-ph/9808443.
36. S. Dawson, S. Dittmaier, and M. Spira, TWO LOOP QCD CORRECTIONS TO HIGGS PAIR PRODUCTION AT THE LHC, *Proceedings of Zeuthen Workshop on Elementary Particle Theory: Loops and Legs in Gauge Theorys*, Rheinsberg, Germany, 19-24 April, 1998, hep-ph/9806304.
37. S. Dawson, S. Dittmaier, and M. Spira, NEUTRAL HIGGS BOSON PAIR PRODUCTION AT HADRON COLLIDERS: QCD CORRECTIONS, hep-ph/9805244.
38. S. Dawson, THE MSSM and WHY IT WORKS, 5 lectures given at the 1997 TASI summer school, hep-ph/9712464.
39. S. Dawson and L. Reina, QCD CORRECTIONS TO ASSOCIATED HIGGS BOSON PRODUCTION, *Phys. Rev.* D57 (1998), 5851, hep-ph/9712400.
40. S. Alam, S. Dawson, and R. Szalapski, LOW ENERGY CONSTRAINTS ON GAUGE BOSON SELF COUPLINGS REVISITED, *Phys. Rev.* D57, (1998), 1557.
41. S. Dawson THE STANDARD MODEL HIGGS BOSON, *Perspectives in Higgs Physics*, ed. G. Kane (World Scientific, Singapore), 1997, hep-ph/9703387.
42. S. Dawson, SUSY and Such, *Proceedings of the NATO Advanced Study Institute*, St. Croix, July, 1996, hep-ph/9612229.
43. P. Burrows, S. Dawson, L. Orr, and W. Smith, QCD: CHALLENGES FOR THE FUTURE, *Proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics*, Snowmass, CO, June 25-July 12, 1996, hep-ex/9612003.

44. T. Barklow *et. al.*, ANOMALOUS GAUGE BOSON COUPLINGS, *Proceedings of the 1996 DPF/DPB Summer Study on New Directions for High Energy Physics*, Snowmass, CO, June 25-July 12, 1996, hep-ph/9611454.
45. S. Dawson, A. Likhoded, G. Valencia, and O. Yushchenko, PROBING QUARTIC COUPLINGS THROUGH THREE GAUGE BOSON PRODUCTION AT AN e^+e^- LINEAR COLLIDER, *Proceedings of the Workshop on New Directions for High Energy Physics*, Snowmass, CO., June 25- July 12, 1996, hep-ph/9610299.
46. S. Dawson, X.-G. He, and G. Valencia, CP VIOLATION IN $W\gamma$ and $Z\gamma$ Production, *Phys. Lett. B* 390 (1997) 431, hep-ph/9609523.
47. S. Dawson, DPF '96: THE TRIUMPH OF THE STANDARD MODEL, *Proceedings of the 1996 Divisional Meeting of the Division of Particles and Fields, Minneapolis, MN, Aug. 10-15, 1996*, hep-ph/9609340.
48. S. Dawson and H. Haber, ELECTROWEAK SYMMETRY BREAKING AND PHYSICS BEYOND THE STANDARD MODEL, *Electroweak Symmetry Breaking and New Physics at the TeV Scale*, Ed. T. Barklow, S. Dawson, H. Haber, and J. Siegrist, (World Scientific, Singapore, 1997), hep-ph/9604354.
49. S. Dawson, A. Djouadi, and M. Spira, QCD CORRECTIONS TO SUSY HIGGS PRODUCTION: THE ROLE OF SQUARK LOOPS, *Phys. Rev. Lett* 77 (1996) 16, hep-ph/9603423.
50. S. Dawson and G. Valencia, LIMITS ON NON-STANDARD TOP QUARK COUPLINGS FROM ELECTROWEAK MEASUREMENTS, *Phys. Rev. D* 53 (1996) 1721, hep-ph/9510455.
51. S. Dawson, PRECISION MEASUREMENTS AT A MUON COLLIDER, *Proceedings of 9th Advanced ICFA Beam Dynamics Workshop*, Montauk, N.Y., Oct. 15-20, 1995, hep-ph/9512260.

52. S. Dawson and G. Valencia, **LOOKING FOR CP VIOLATION IN W PRODUCTION AND DECAY**, *Phys. Rev. D* **52** (1995) 2717, hep-ph/9504209.
53. T. Barklow, S. Dawson, H. Haber, and J. Siegrist, **ELECTROWEAK SYMMETRY BREAKING AND BEYOND THE STANDARD MODEL**, *Particle Physics: Perspectives and Opportunities*, report of the Committee on Long Term Planning of the Division of Particles and Fields, (World Scientific, Singapore, 1995).
54. S. Dawson, **INTRODUCTION TO THE PHYSICS OF HIGGS BOSONS**, *Proceedings of Theoretical Advanced Study Institute in Elementary Particle Physics (TASI 94): CP Violation and the limits of the Standard Model, Boulder, CO, 29 May - 24 Jun 1994*, hep-ph/9411325.
55. S. Dawson and G. Valencia, **PROBING ANOMALOUS GAUGE BOSON COUPLINGS AT LEP**, *Proceedings of Joint U.S.-Polish Workshop on Physics from Planck Scale to the Electro-Weak Scale, 21-24 Sept 1994*, hep-ph/9411262.
56. S. Dawson and G. Valencia, **BOUNDS ON ANOMALOUS GAUGE BOSON COUPLINGS FROM PARTIAL Z WIDTHS AT LEP**, *Nucl.Phys. B* **439** (1995) 3, hep-ph/9410364.
57. S. Dawson and R. Kauffman, **QCD CORRECTIONS TO HIGGS BOSON PRODUCTION**, *Proceedings of XXVII International Conference on High Energy Physics, Glasgow Scotland, 1994*, 839.
58. S. Dawson and G. Valencia, **BOUNDS ON g_5^Z FROM PRECISION LEP MEASUREMENTS**, *Phys.Lett. B* **333** (1994) 207, hep-ph/9406324.
59. K. Cheung, S. Dawson, T. Han, and G. Valencia, **SEARCH FOR ANOMALOUS COUPLINGS AT $e\gamma$ COLLIDERS**, *Phys.Rev. D* **51** (1995) 5, hep-ph/9403358.

- 60. S. Dawson and R. Kauffman, QCD CORRECTIONS TO HIGGS BOSON PRODUCTION: NONLEADING TERMS IN THE HEAVY QUARK LIMIT, *Phys.Rev.* D49 (1994) 2298.
- 61. S. Dawson and G. Valencia, SIGNALS FOR PARITY VIOLATION IN THE ELECTROWEAK SYMMETRY BREAKING SECTOR, *Phys.Rev.* D49 (1994) 2188.
- 62. S. Dawson, $K_L \rightarrow \mu^\pm e^\mp \nu \bar{\nu}$ AS BACKGROUND TO $K_L \rightarrow \mu^\pm e^\mp$, *Phys.Rev.* D48 (1993) 209.
- 63. S. Dawson, USES OF THE CHIRAL LAGRANGIAN AT THE SSC, Proceedings of *Beyond the Standard Model III, Ottawa, Canada, 22-24 Jun 1992*, 188.
- 64. S. Dawson, QCD CORRECTIONS TO HIGGS BOSON PRODUCTION, Proceedings of *DPF Meeting, Batavia, IL, Nov 10-14, 1992*, 487.
- 65. J. Bagger, S. Dawson, and G. Valencia, EFFECTIVE FIELD THEORY OF ANOMALOUS GAUGE - BOSON COUPLINGS AT HIGH-ENERGY pp COLLIDERS, *Nucl.Phys.* B399 (1993) 364.
- 66. S. Dawson and R. Kauffman, QCD CORRECTIONS TO $H \rightarrow \gamma\gamma$, *Phys.Rev.* D47 (1993) 1264.
- 67. J. Bagger, S. Dawson, and G. Valencia, VECTOR BOSON VERSUS GLUON FUSION AT HADRON COLLIDERS, *Phys.Lett.* B292 (1992) 137.
- 68. S. Dawson, PRODUCING THE INTERMEDIATE MASS HIGGS BOSON, *Perspectives on Higgs Physics*, (World Scientific, 1992).
- 69. S. Dawson and R. Kauffman, HIGGS BOSON PLUS MULTI - JET RATES AT THE SSC, *Phys. Rev. Lett.* 68 (1992) 2273.
- 70. S. Dawson, CHIRAL LAGRANGIANS AND THE SSC. Proceedings of *15th Johns Hopkins Workshop on Problems in Particle Physics*, Baltimore, MD, Aug 26-28, 1991.

71. S. Dawson and A Soni, (ed.), *Proceedings of BNL Summer Study on CP Violation, May 21- June 22, 1990*, (World Scientific, 1991).
72. J. Bagger, S. Dawson, and G. Valencia, TESTING ELECTROWEAK SYMMETRY BREAKING THROUGH GLUON FUSION AT pp COLLIDERS, *Phys. Rev. Lett.* **67** (1991) 2256.
73. J. Bijnens, S. Dawson, and G. Valencia, $\pi^0\pi^0 \rightarrow \gamma\gamma$ AND $K_L^0 \rightarrow \pi^0\gamma\gamma$ IN THE CHIRAL QUARK MODEL, *Phys.Rev.* **D44** (1991) 3555.
74. S. Dawson, RADIATIVE CORRECTIONS TO HIGGS BOSON PRODUCTION, *Nucl. Phys.* **B359** (1991) 283.
75. J. Bagger, S. Dawson, G. Valencia, $W_L W_L$ SCATTERING AT THE SSC, *Snowmass Summer Study 1990*, 216.
76. S. Dawson, SEARCHING FOR THE HIGGS BOSON: A PROGRESS REPORT, *Comments Nucl.Part.Phys.* **20** (1991) 161.
77. S. Dawson and H. Haber, HEAVY FERMION EFFECTS IN $e^+e^- \rightarrow Z H$ AND $Z \rightarrow H \nu\bar{\nu}$, *Phys. Rev.* **D44** (1991) 53.
78. S. Dawson and G. Valencia, CHIRAL LAGRANGIANS AND W W SCATTERING, *Nucl. Phys.* **B252** (1991) 27.
79. S. Dawson and G. Valencia, TOP QUARK EFFECTS ON W W SCATTERING, *Nucl. Phys.* **B348** (1991) 23.
80. S. Dawson and G. Valencia, HEAVY FERMION EFFECTS ON LONGITUDINAL GAUGE BOSON SCATTERING, *Phys.Lett.* **B246** (1990)156.
81. J. Gunion, H. Haber, G. Kane, and S. Dawson, THE HIGGS HUNTER'S GUIDE, Addison-Wesley (Menlo Park) 1990.
82. L. Bergstrom and S. Dawson, HIGGS BOSON PRODUCTION IN Υ AND η DECAYS, *Phys. Lett.* **B232** (1989) 387.

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