

Curriculum Vitae

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Tao Han

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Nationality: Naturalized US citizen

Marital Status: Married to Dandan Sun; Children: Crystal and Vanessa

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Education

Aug. 1985–Jun. 1990 Doctor of Philosophy at the University of Wisconsin-Madison

Sep. 1980–Sep. 1983 Master of Science Degree in Physics, Nankai University, P. R. China

Mar. 1977–Sep. 1980 Undergraduate in Theoretical Physics, Nankai University, P. R. China

Professional Positions Held

Sept. 2014–present Distinguished Professor of High Energy Physics,
Kenneth P. Dietrich School of Arts & Sciences, University of Pittsburgh

Sept. 2011–present Director, Pittsburgh Particle physics, Astrophysics and Cosmology
Center (PITT PACC), University of Pittsburgh

Sept. 2011–Sept. 2014 Professor at the Department of Physics & Astronomy
University of Pittsburgh

Mar. 2006–July 2011 Co-Director, Institute for Elementary Particle Physics Research
University of Wisconsin, Madison

- April 2001–July 2011 Professor at the Department of Physics
University of Wisconsin, Madison
- Sep. 1997–April 2001 Associate Professor at the Department of Physics
University of Wisconsin, Madison
- July 1997–Dec. 1997 Associate Professor II at the Department of Physics
University of California, Davis
- July 1993–July 1997 Assistant Professor at the Department of Physics
University of California, Davis
- Sep. 1990–July 1993 Postdoctoral Research Associate in the Theory Group
Fermi National Accelerator Laboratory
- Jun. 1990–Sep. 1990 Postdoctoral Research Associate in the Phenomenology Institute
University of Wisconsin-Madison
- Aug. 1986–Jun. 1990 Research Assistant in the Phenomenology Institute
University of Wisconsin-Madison
- Jan. 1986–Aug. 1986 Teaching Assistant in the Physics Department,
University of Wisconsin-Madison

Awards and Honors

1. National Superconducting Super-Collider (SSC) Fellowship (1991–1992)
2. Awards from University of California–Davis Committee on Research (1993–1997)
3. H.I. Romnes Faculty Fellowship at the University of Wisconsin (2001–2006)
4. Hilldale Undergraduate/Faculty Research Award, UW-Madison (2001)
5. Deutsches Elektronen-Synchrotron (DESY, Germany) Guest Professorship
(June–August, 2002)
6. Elected Fellow of the American Physical Society (APS, 2003)
7. Vilas Associate Research Award, UW-Madison (2004–2006)
8. Fermi National Accelerator Laboratory Frontier Fellowship (2004)
9. Appointed Member of HEPAP (High Energy Physics Advisory Panel for DOE and
NSF, 2013–2016; 2021 DPF ex-officio)
10. KIAS Scholar at Korea Institute for Advanced Study, South Korean (2013–2016)

11. Opening plenary speaker at *The 26th International Symposium on Lepton-Photon Interactions at High Energies*, San Francisco, June 24, 2013
12. Distinguished Professor of High Energy Physics (2014–present), Kenneth P. Dietrich School of Arts & Sciences, University of Pittsburgh
13. Elected to APS April Meeting Chair line: Vice Chair (2018), Chair-elect (2019), Chair (2020), Past Chair (2021).
14. Elected to APS DPF Chair line: Vice Chair (2019), Chair-elect (2020), Chair (2021), Past Chair (2022).
15. Elected Fellow of American Association for the Advancement of Science (AAAS, 2019).
16. Humboldt Research Award, Alexander von Humboldt Foundation (2024).
17. Meenakshi Narain Mentoring Award, American Physical Society (2025).
18. Distinguished Alumni Award, Department of Physics, University of Wisconsin–Madison (2025).

Membership in Professional Societies

- Life-time member of American Physical Society (APS), and elected Fellow (2003)
- Life-time member of Organization of Chinese Physics & Astro-physics (OCPA)
- Member of American Association for the Advancement of Science (AAAS) (since 2015), and elected Fellow (2019)
- Member of Collaboration of Theoretical and Experimental QCD (CTEQ) (2012-present)
- Elected general member of Aspen Center for Physics (2016-present)

Grants

Current extramural grants:

1. DOE, PI for research program: *Phenomenology in the LHC Era*
2. NSF, PI for conference funds for *Phenomenology Symposia*.
3. DOE, PI for conference funds for *Phenomenology Symposia*.

Teaching Activities

- At the University of Pittsburgh:

Physics 3102: Special Topics on Collider Phenomenology
(Advanced graduate students, Spring 2012).

Physics 0110: Non-calculus based General Physics
(Non-science major undergraduate students, Fall 2012).

Physics 0110: Non-calculus based General Physics
(Non-science major undergraduate students, Fall 2013).

Physics 0111: Non-calculus based General Physics
(Non-science major undergraduate students, Fall 2014).

Physics 2566: Quantum Mechanics II (Graduate students, Spring 2016).

Physics 2566: Quantum Mechanics II (Graduate students, Spring 2017).

Physics 3101: Special Topics on Collider Physics (Advanced graduate students, Fall 2018).

Physics 3717: Particle Physics (Advanced undergrads and graduate students, Fall 2019).

Physics 3101: Special Topics on Particle Physics phenomenology
(Advanced graduate students, Fall 2021).

Physics 0110: Non-calculus based General Physics
(Non-science major undergraduate students, Fall 2022).

Physics 3765: Quantum Field Theory I (Advanced graduate students, Fall 2023).

Sabbatical leave: Fall 2024 at CERN.

Physics 3102: Special Topics on Collider Physics phenomenology
(Advanced graduate students, Fall 2025).

- At the University of Wisconsin–Madison:

Physics 103: Non-calculus general physics (Fall 2008, Spring 2009, Fall 2009).

Physics 104: Non-calculus general physics (Fall 2002).

Physics 201: General physics for engineering undergraduate students (Spring 2001; Spring 2002; Spring 2003, Spring 2010).

Physics 202: General physics for engineering undergraduate students (Spring 1998; Fall 2001; Spring 2006, Fall 2010).

Physics 208: General physics for Science/Mathematics undergraduates (Spring 2007).

Physics 535: Introduction to Particle Physics (Fall 2000).

Physics 731: Graduate Quantum Mechanics I (Fall 2003; Fall 2005).

Physics 732: Graduate Quantum Mechanics II (Spring 2004).

Physics 831: Quantum Field Theory I (Fall 1999; Fall 2006).

Physics 832: Quantum Field Theory II (Spring 1999; Spring 2000; Spring 2007).

Physics 835: Collider Physics (Fall 1998; Fall 2007).

Sabbatical leave: Fall 2004 – Summer 2005.

Research leave: Spring 2008.

• At the University of California–Davis:

1. Winter quarter 1994, Physics 250 (special topics on High Energy Physics).
2. Spring quarter 1994, Physics 5B (General Physics for bio-science and pre-medical students).
3. Fall quarter 1994, Physics 250 (special topics on high energy physics).
4. Winter quarter of 1995, Physics 5B.
5. Spring quarter 1995, Physics 245B (High Energy Physics for graduate students: electroweak interactions).
6. Fall quarter of 1995, Physics 9B (General physics for physical sci. & engineering students).
7. Winter quarter of 1996, Physics 130A (particle Physics for undergraduate students).
8. Spring quarter of 1996, Physics 245B.
9. Fall quarter of 1996, Physics 9B.
10. Winter quarter of 1997, Physics 250 (Contemporary Issues in High Energy Physics).

Sabbatical leave to CERN/Fermilab: Fall 1997.

Supervision of Students

1. At the Department of Physics, University of California–Davis:
 - Past graduate student:
 - #1. R. Sobey (PhD 1998, currently at Bank Wells Fargo)
2. At the Department of Physics, University of Wisconsin–Madison:
 - Past graduate students:
 - #2. Jing Jiang (PhD 2001, finance industry)
 - #3. Danny Marfatia (PhD 2001, Professor of Physics, University of Hawaii)
 - #4. Y.-J. Kim (PhD 2002, computer industry)
 - #5. Bob McElrath (PhD 2003, computer industry)
Kenny Cheng (MS 2003)
 - #6. Piyabut Burikham (PhD 2005, Professor, Chulalongkorn University, Thailand)
 - #7. Anupama Atre (PhD 2007)
 - #8. Gui-Yu Huang (PhD 2008, academic administration)
 - #9. Kai Wang (PhD 2008, Professor at Zhe-Jiang University, China)
Tong Li (PhD 2008, Associate Professor at Nankai University, China)
 - #10. Ian Lewis (PhD 2011, Professor of Physics, University of Kansas)
Camilo A. Garcia (MS 2011, postdoc at University of Brussels)
 - #11. Zhe Dong (PhD 2012, Industry in Deep Learning)
 - #12. Jared Schmitthenner (PhD 2012, Industry at EPIC, Wisconsin)
Tian-Hong Wang (PhD 2013, professor at Harbin Institute of Technology, China)
 - Past undergraduate students:
 - Josh Friess (honor senior thesis, 2002, financial industry)
3. At the Department of Physics & Astronomy, University of Pittsburgh:
 - Past graduate students:
 - #13. Stefanus (PhD 2014, computer industry)
 - #14. Richard Ruiz (PhD 2015, senior scientist at INP, Krakow, Poland)
 - #15. Zhen Liu (PhD 2015, assistant professor at University of Minnesota)
Yongcheng Wu (PhD 2016, assistant professor at Nanjing Normal University)
 - #16. Joumou Chen (PhD 2017, assistant professor at Jinan University, China)
 - #17. Zhuoni Qian (PhD 2017, assistant professor at Hangzhou Normal University)
 - #18. Xing Wang (PhD 2019, postdoc at University of Rome III)
 - #19. Barmak Shams Es Haghi (PhD 2019, postdoc at the University Texas-Austin)
 - #20. Hongkai Liu (PhD 2021, postdoc at Brookhaven National Lab)
 - #21. Yang Ma (PhD 2022, postdoc at UCLouvain, Belgium)
 - #22. Han Qin (PhD 2022, FaceBook, Palo Alto, California)
 - #23. Sze Ching Iris Leung (PhD 2023, Finance industry, Baltimore)
 - #24. Si Wang (PhD 2025, AI)
 - Past undergraduate students: Daniel Salmon (honor senior thesis, 2014)

- Current graduate students:
Francis Burk, Arthur Wu, Juhun Kwak, Vatsalya Sharan, Harman Singh, and Youle Su

Supervision of Postdocs

- Current postdocs:
 - Kun Cheng, Zahra Tabrizi (Pitt PACC Fellow)
- Past postdocs:
 - Ralph Hempfling (Computer industry)
 - James Ohnemus (Energy industry)
 - Kingman Cheung (Professor at National Tsing-Hua University, Taiwan)
 - Jim Kelly (Asst. Prof. of Physics at Centre College, Danville, KY)
 - Chung Kao (Professor at U. of Oklahoma)
 - Renjie Zhang (Finance industry)
 - Graham Kribs (Former Dirac Fellow at Madison, Professor at Univ. of Oregon)
 - Tilman Plehn (W3 professor at U. of Heidelberg)
 - Cheng-Wei Chiang (Professor at National Taiwan University)
 - Lian-Tao Wang (Professor at University of Chicago)
 - Heather Logan (Professor at Carleton University, Canada)
 - Patrick Huber (Professor at VPI)
 - Hooman Davoudiasl (Former Dirac Fellow at UW-Madison, staff scientist at BNL, 2008 Presidential Early Career Award for Scientists and Engineers)
 - Devin Walker (Assistant professor at Dartmouth College)
 - Kathryn Zurek (Professor at CalTech)
 - Thomas McElmurry (Lecturer at Rochester University)
 - Ian-Woo Kim (Computer industry)
 - Pavel Fileviez Perez (Former Dirac Fellow at UW-Madison, Professor at Case Western Reserve University)
 - Sogee Spinner (Industry)
 - Maike Trenkel (Industry, Germany)
 - Keith Lee (Postdoc at Perimeter Institute, Canada)
 - Neil Christensen (Former PITT PACC Fellow, Professor, Illinois State University)
 - Susanne Westhoff (Assistant professor, Radboud University, the Netherlands)
 - Joshua Sayre (Associate Editor, Physical Review D, APS)
 - David McKeen (Former PITT PACC Fellow, staff scientist, TRUMF, Canada)
 - Satyanarayan Mukhopadhyay (Former Pitt PACC Fellow, Professor at IACS, India)
 - Brock Tweedie (Former PITT PACC Fellow, IT industry)
 - Dorival Goncalves (Associate professor, Oklahoma State University)
 - Ahmed Ismail (IT industry)
 - Joshua Berger (Former PITT PACC Fellow, Associate professor, Colorado State University)
 - Tathagata Ghosh (Staff scientist at HRI, India)
 - Ben Carlson (Former PITT PACC Fellow, Associate professor, Westmont College, California)
 - Cédric Weiland (financial industry, London) -line Keping Xie (Postdoc, Michigan)

State University/Assistant professor at SJTU, China)

Da Liu (Assistant professor, ShanDong University, China)

Akshay Ghalsasi (Postdoc, Harvard University)

Arnab Dasgupta (Former Pitt PACC Fellow, Lecturer at Pitt)

Matthew Low (Former Pitt PACC Fellow, Finance Industry, Chicago)

Research Activities

(1). Publications in Refereed Journals

(Author's list in alphabetical order)

Based on INSPIRE (<http://inspirehep.net>):

Total published papers in refereed journals 270; Total journal citations over 27,800 times;
Top-cited single paper over 1,125 cites; All papers h-index: 102.

1985:

1. *Production of Charged and Neutral Higgs Bosons in High Energy Lepton-Nucleon Interactions*
(T. Han and H. C. Liu), Z. Phys. **C28** (1985) 295.

1986:

2. *Exploring the Gluon Structure by the Jet-Charge-Cross Section Method*
(F.-M. Kong, T. Han, M. Luo and N. Wen),
Acta Phys. Sinica **35** (1986) 152 (in Chinese with English abstract).
3. *Direct Test of Photon Structure Function*
(M. Luo, Z.-J. Chen, T. Han and G. Yue),
Acta Phys. Sinica **35** (1986) 161 (in Chinese with English abstract).

1987:

4. *Limits on New Quarks and Majorons from Γ_Z/Γ_W*
(V. Barger, N. G. Deshpande, T. Han and R. J. N. Phillips),
Phys. Lett. **B192** (1987) 212.
5. *Improved Transverse-mass Variable for Detecting Higgs-Boson Decays into Z Pairs*
(V. Barger, T. Han and R. J. N. Phillips), Phys. Rev. **D36** (1987) 295.
6. *Extraction of Higher-Twist Contribution from Large- p_T Pion-photoproduction Processes*
(D. Du, T. Han, F.-M. Kong, and M. Luo), Phys. Rev. **D36** (1987) 740.
7. *Testing the Effect of Higher-Twist Subprocess in $\bar{p}p$ and pp Collisions*
(D. Du, T. Han, F.-M. Kong, and M. Luo), Phys. Rev. **D36** (1987) 745 .
8. *$B_d^0 - \bar{B}_d^0$ Oscillations and the Top Quark Mass*
(V. Barger, T. Han, D. V. Nanopoulos and R. J. N. Phillips)
Phys. Lett. **B194** (1987) 312.
9. *Probing the Higgs Sector at the SSC: the Standard Model and Beyond*
(J. F. Gunion *et al.*), Int. J. Mod. Phys. **A2** (1987) 957.

1988:

10. *Heavy Leptons at Hadron Supercolliders*
(V. Barger, T. Han and J. Ohnemus), Phys. Rev. **D37** (1988) 1174.

11. *Improving the Heavy-Higgs-Boson Four-charged-lepton Signature*
(V. Barger, T. Han and R. J. N. Phillips), Phys. Lett. **B206** (1988) 339.
 12. *Improving the Heavy-Higgs-Boson Two-charged-lepton-two-neutrino Signal*
(V. Barger, T. Han and R. J. N. Phillips), Phys. Rev. **D37** (1988) 2005.
 13. *Triple Gauge Boson Production at e^+e^- and pp Supercolliders*
(V. Barger and T. Han), Phys. Lett. **B212** (1988) 117.
 14. *Double Higgs-Boson Bremsstrahlung from W and Z Bosons at Supercolliders*
(V. Barger, T. Han and R. J. N. Phillips), Phys. Rev. **D38** (1988) 2766.
- 1989:
15. *WWZ , ZZZ , and $WW\gamma$ Production at e^+e^- Colliders*
(V. Barger, T. Han and R. J. N. Phillips), Phys. Rev. **D39** (1989) 146.
 16. *Constraints on Exotic Particles from Tevatron Missing Transverse Momentum Data*
(V. Barger, K. Hagiwara, T. Han and D. Zeppenfeld), Phys. Lett. **B220** (1989) 464.
 17. *Toponium Decay to a Higgs Boson and Bottom Quarks*
(V. Barger, T. Han and W.-Y. Keung), Int. J. Mod. Phys. **A4** (1989) 3015.
 18. *Large p_T Weak Boson Production at the Tevatron*
(V. Barger, T. Han, J. Ohnemus and D. Zeppenfeld), Phys. Rev. Lett. **62** (1989) 1971.
 19. *Perturbative QCD Calculations of Weak Boson Production in Association with Jets at Hadron Colliders*
(V. Barger, T. Han, J. Ohnemus and D. Zeppenfeld), Phys. Rev. **D40** (1989) 2888.
 20. *Some New Aspects of Supersymmetry R -Party Violating Interactions*
(V. Barger, G. F. Giudice and T. Han), Phys. Rev. **D40** (1989) 2987.
 21. *QCD Predictions for the Jet Activity in Direct Photon Events at the Tevatron*
(V. Barger, T. Han, J. Ohnemus, and D. Zeppenfeld), Phys. Lett. **B232** (1989) 371.
- 1990:
22. *Four Weak Boson Production at e^+e^- and pp Supercolliders*
(V. Barger, T. Han, and Hong Pi), Phys. Rev. **D41** (1990) 824.
 23. *Pair Production of γ , Z , and W in Association with Jets*
(V. Barger, T. Han, J. Ohnemus and D. Zeppenfeld), Phys. Rev. **D41** (1990) 2782.
 24. *Double Higgs-Boson Production via WW Fusion in TeV e^+e^- Collisions*
(V. Barger and T. Han), Mod. Phys. Lett. **A5** (1990) 667.
 25. *Testing The ZWW Coupling at LEP I*
(V. Barger and T. Han), Phys. Lett. **B241** (1990) 127.
 26. *Higgs Boson Production in Higher-order Electroweak Processes at e^+e^- Supercolliders*
(V. Barger, T. Han and A. L. Stange), Phys. Rev. **D42** (1990) 777.

27. *Strong W^+W^+ Scattering Signals at pp Supercolliders*
(V. Barger, K. Cheung, T. Han, and R. J. N. Phillips), Phys. Rev. **D42** (1990) 3052.
- 1991:
28. *Intermediate Mass Higgs Boson at Hadron Supercolliders*
(V. Barger, G. Bhattacharya, T. Han and B. A. Kniehl), Phys. Rev. **D43** (1991) 779.
29. *A Comparative Study of the Benefits of Forward Jet Tagging in Heavy Higgs Production at the SSC*
(V. Barger, K. Cheung, T. Han, J. Ohnemus and D. Zeppenfeld), Phys. Rev. **D44** (1991) 1426.
30. *Single Forward Jet-Tagging and Central Jet-Vetoing to Identify the Leptonic WW Decay Mode of a Heavy Higgs Boson*
(V. Barger, K. Cheung, T. Han and D. Zeppenfeld)
Phys. Rev. **D44** (1991) 2701; Erratum: Phys. Rev. **D48** (1993) 5444.
31. *QCD Correction to the $pp \rightarrow WH$ and ZH Total Cross Sections*
(T. Han and S. Willenbrock), Phys. Lett. **B273** (1991) 167.
- 1992:
32. *Full Tree Level Calculation of The $qq \rightarrow qqWZ$ Electroweak Process at Hadron Supercolliders*
(V. Barger, K. Cheung, T. Han, A. Stange and D. Zeppenfeld)
Phys. Rev. **D46** (1992) 2028.
33. *Test of the Dimopoulos-Hall-Raby Ansatz for Fermion Mass Matrices*
(V. Barger, M. Berger, T. Han and M. Zralek), Phys. Rev. Lett. **68** (1992) 3394.
34. *Transverse Momentum Distribution of Z -Boson Pairs at Hadron Supercolliders*
(T. Han, R. Meng and J. Ohnemus), Nucl. Phys. **B384** (1992) 59.
35. *Structure-Function Approach to Vector-Boson Scattering in pp Collisions*
(T. Han, G. Valencia and S. Willenbrock), Phys. Rev. Lett. **69** (1992) 3274.
- 1993:
36. *Heavy Top Quark Searches in The Di-lepton Mode at The Tevatron*
(T. Han and S. Parke), Phys. Rev. Lett. **71** (1993) 1494.
37. *QCD Corrections to Hadronic $W\gamma$ Production with Non-standard $WW\gamma$ Couplings*
(U. Baur, T. Han and J. Ohnemus), Phys. Rev. **D48** (1993) 5140.
38. *Finding the Leptonic WW Decay Mode of a Heavy Higgs Boson at Hadron Supercolliders*
(V. Barger, K. Cheung, T. Han and D. Zeppenfeld), Phys. Rev. **D48** (1993) 5433.
- 1994:

39. *The Strongly Interacting WW System: Gold-Plated Modes*
(J. Bagger, V. Barger, K. Cheung, G. Gunion, T. Han, G. Ladinsky, R. Rosenfeld and C.-P. Yuan), Phys. Rev. **D49** (1994) 1246.
40. *Amplitude Zeros in $W^\pm Z$ Production*
(U. Baur, T. Han and J. Ohnemus) Phys. Rev. Lett. **72**, 3941 (1994).
41. *Production of Weak Bosons and Higgs Bosons in e^-e^- Collisions*
(V. Barger, J. Beacom, T. Han and K. Cheung), Phys. Rev. **D50**, 6704 (1994).
- 1995:
42. *Search for Anomalous Couplings at $e\gamma$ Colliders*
(K. Cheung, S. Dawson, T. Han and G. Valencia), Phys. Rev. **D51**, 5 (1995).
43. *Standard Model Higgs Physics at a 4 TeV Upgraded Tevatron*
(J. F. Gunion and T. Han), Phys. Rev. **D51**, 1051 (1995).
44. *$W^\pm Z$ Production at Hadron Colliders: Effects of Non-standard WWZ Couplings and QCD Corrections*
(U. Baur, T. Han and J. Ohnemus), Phys. Rev. **D51**, 3381 (1995).
45. *Probing Strongly Interacting Electroweak Dynamics through W^+W^-/ZZ Ratios at future e^+e^- Colliders*
(V. Barger, K. Cheung, T. Han and R. Phillips), Phys. Rev. **D52**, 3815 (1995).
46. *LHC Analysis of the Strongly Interacting WW System: Gold-Plated Modes*
(J. Bagger, V. Barger, K. Cheung, G. Gunion, T. Han, G. Ladinsky, R. Rosenfeld and C.-P. Yuan), Phys. Rev. **D52**, 3878 (1995).
47. *s-Channel Higgs Boson Production at a Muon-Muon Collider*
(V. Barger, M. Berger, J. Gunion and T. Han), Phys. Rev. Lett. **75** 1462 (1995).
48. *Triple Electroweak Gauge-Boson Production at Fermilab Tevatron Energies*
(T. Han and R. Sobey), Phys. Rev. **D52**, 6302 (1995).
49. *Top-quark Decay via Flavor Changing Neutral Currents at Hadron Colliders*
(T. Han, R. Peccei and X.M. Zhang), Nucl. Phys. **B454**, 527 (1995).
- 1996:
50. *QCD Corrections and Non-standard Three-Vector-Boson Couplings in W^+W^- Production at Hadron Colliders*
(U. Baur, T. Han and J. Ohnemus), Phys. Rev. **D53**, 1098 (1996).
51. *Study of Anomalous Couplings at a 500-GeV e^+e^- Linear Collider with Polarized Beams*
(A. A. Likhoded, T. Han and G. Valencia), Phys. Rev. **D53**, 4811 (1996).
52. *Multiple Interactions in Two Photon Collisions*
(M. Drees and T. Han), Phys. Rev. Lett. **76**, 3076 (1996).
53. *Higgs Boson and $W_L W_L$ Scattering at e^-e^- Colliders*
(T. Han), Int. J. Mod. Phys. **A11**, 1541 (1996).

54. *A Model of Low-Lying States in Strongly Interacting Electroweak Symmetry Breaking Sector*
(T. Han, J. Huang and P.Q. Hung), Mod. Phys. Lett. **A11**, 1131 (1996).
55. *Searching for $t \rightarrow cg$ at the Fermilab Tevatron*
(T. Han, K. Whisnant, B.L. Young and X.M. Zhang), Phys. Lett. **B385**, 311 (1996).
56. *Signals for Double Parton Scattering at the Fermilab Tevatron*
(M. Drees and T. Han), Phys. Rev. Lett. **77**, 4142 (1996).
57. *Studying a Strongly Interacting Electroweak Sector via Longitudinal Gauge Boson Scattering at a Muon Collider*
(V. Barger, M. Berger, J. Gunion and T. Han), Phys. Rev. **D55**, 142 (1996).
- 1997:
58. *Higgs Boson Physics in the s -Channel at $\mu^+\mu^-$ Colliders*
(V. Barger, M. Berger, J. Gunion and T. Han), Phys. Rep. **86**, 1 (1997).
59. *Top-quark Decay via the Anomalous Coupling $\bar{t}c\gamma$ at Hadron Colliders*
(T. Han, K. Whisnant, B.L. Young and X.M. Zhang), Phys. Rev. **D55**, 7241 (1997).
60. *Precision Higgs Boson Mass Determination at Lepton Colliders*
(V. Barger, M. Berger, J. Gunion and T. Han), Phys. Rev. Lett. **78**, 3991 (1997)
61. *$W\gamma\gamma$ Production at the Fermilab Tevatron Collider: Gauge Invariance and Radiation Amplitude Zero*
(U. Baur, T. Han, N. Kauer, R. Sobey and D. Zeppenfeld), Phys. Rev. **D56**, 140 (1997).
62. *Precision W -boson and Top-quark Mass Determination at a Muon Collider*
(V. Barger, M. Berger, J. Gunion and T. Han), Phys. Rev. **D56**, 1714 (1997).
63. *Messenger Sneutrino as Cold Dark Matter*
(Tao Han and Ralf Hempfling), Phys. Lett. **B415**, 161 (1997).
- 1998:
64. *Sparticle Production in Electron-photon Collisions*
(V. Barger, T. Han and J. Kelly), Phys. Lett. **B419**, 233 (1998).
65. *QCD Corrections and Anomalous Couplings in Z -gamma Production at Hadron Colliders*
(U. Baur, T. Han and J. Ohnemus), Phys. Rev. **D57**, 2823 (1998).
66. *Quartic Gauge Boson Couplings at Linear Colliders: Interplay of WWZ / ZZZ Production and WW -Fusion*
(Tao Han, Hong-Jian He and C.P. Yuan), Phys. Lett. **B422**, 294 (1998).
67. *Strongly-interacting Electroweak Sector at e^-e^- Colliders*
(T. Han), Int. J. Mod. Phys. **A13** 2337, (1998).

68. *Direct Messenger-Matter Interactions in Gauge-Mediated Supersymmetry Breaking Models*
(Tao Han and R.-J. Zhang), Phys. Lett. **B428**, 120 (1998).
69. *Measuring the Coupling of a Higgs Boson to ZZ at Linear Colliders*
(J.F. Gunion, T. Han and R. Sobey), Phys. Lett. **B429**, 79 (1998).
70. *R-Parity Violation and Sneutrino Resonances at Muon Colliders*
(Jonathan L. Feng, J. Gunion and Tao Han), Phys. Rev. **D58**, R071701 (1998).
71. *Single Top Quark Production via FCNC Couplings at Hadron Colliders*
(T. Han, M. Hosch, K. Whisnant, Bing-Lin Young and X. Zhang), Phys. Rev. **D58**, 073008 (1998).
72. *Adjoint Messengers and Perturbative Unification at the String Scale.*
(T. Han, T. Yanagida and R.-J. Zhang), Phys. Rev. **D58**, 095011 (1998).
- 1999:
73. *Extending the Higgs Boson Reach at the Upgraded Fermilab Tevatron*
(Tao Han and Ren-Jie Zhang), Phys. Rev. Lett. **82**, 25 (1999).
74. *Chargino Mass Determination at a Muon Collider*
(V. Barger, M.S. Berger and T. Han), Phys. Rev. **D59**, 071701 (1999).
75. *Exploiting $h \rightarrow W^*W^*$ Decays at the Upgraded Fermilab Tevatron*
(Tao Han, Andre S. Turcot and Ren-Jie Zhang), Phys. Rev. **D59**, 093001 (1999).
76. *Slepton Oscillations at $e\gamma$ Colliders*
(J.-J. Cao, Tao Han, X.-Mi. Zhang and G.-R. Lu), Phys. Rev. **D59**, 095001 (1999).
77. *Discovery Limits for Techniomega Production in $e\gamma$ Collisions*
(Stephen Godfrey, Tao Han and Pat Kalyniak), Phys. Rev. **D59**, 095006 (1999).
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Tao Han, Tong Li, Xing Wang (Mar 10, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.05484 [hep-ph].
98. *BSM ν physics: complementarity across energies – a white paper for Snowmass 2021*
Tao Han, Jiajun Liao, Hongkai Liu, Danny Marfatia, Richard Ruiz (Mar 11, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.06131 [hep-ph].
99. *Heavy Neutral Lepton Searches at the Electron-Ion Collider: A Snowmass Whitepaper*
Brian Batell, Tatha Ghosh, Tao Han, Keping Xie (Mar 13, 2022). Contribution to Snowmass 2021, e-Print: 2203.06705 [hep-ph].
101. *Promising Technologies and R&D Directions for the Future Muon Collider Detectors*
Muon Collider Collaboration, S. Jingariani et al. (Mar 14, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07224 [hep-ph].
102. *Muon Collider Physics Summary*
Chiara Aim, Aram Apyan, Mohammed Attia Mahmoud, Nazar Bartosik, Fabian Batsch et al. (Mar 14, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07256 [hep-ph].
103. *The physics case of a 3 TeV muon collider stage*
Muon Collider Collaboration, Jorge De Blas et al. (Mar 14, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07261 [hep-ph].
104. *WIMP Dark Matter at High Energy Muon Colliders – A White Paper for Snowmass 2021*
Tao Han, Zhen Liu, Lian-Tao Wang, Xing Wang (Mar 14, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07351 [hep-ph].
105. *The International Linear Collider: Report to Snowmass 2021*
ILC International Development Team, Ichiro Adachi et al. (Mar 14, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07622 [physics.acc-ph].
106. *Simulated Detector Performance at the Muon Collider*
Muon Collider Collaboration, N. Bartosik et al. (Mar 15, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.07964 [hep-ex].

107. *A Muon Collider Facility for Physics Discovery*
International Muon Collider Collaboration D. Stratakis et al. (Mar 15, 2022), e-Print: 2203.08033 [physics.acc-ph].
108. *Event Generators for High-Energy Physics Experiments*
J.M. Campbell, M. Diefenthaler, T.J. Hobbs, S. Hche, J. Isaacson et al. (Mar 21, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.11110 [hep-ph].
109. *Electroweak fragmentation at high energies: A Snowmass White Paper*
Tao Han, Yang Ma, Keping Xie (Mar 21, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2203.11129 [hep-ph].
110. *BSM Higgs Production at a Muon Collider*
Tao Han, Shuailong Li, Shufang Su, Wei Su, Yongcheng Wu (May 23, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2205.11730 [hep-ph].
111. *Muon Collider Forum Report*
Kevin Black et al., (Sept. 2, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2209.01318 [hep-ex].
112. *Report of the Topical Group on Electroweak Precision Physics and Constraining New Physics for Snowmass 2021*
Alberto Belloni et al., (Sept. 16, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2209.08078 [hep-ph].
113. *Report of the Topical Group on Physics Beyond the Standard Model at Energy Frontier for Snowmass 2021*
Tulika Bose et al., (Sept. 26, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2209.13128 [hep-ph].
114. *TF07 Snowmass Report: Theory of Collider Phenomena*
F. Maltoni et al., (Oct. 5, 2022). Contribution to Snowmass 2021 Summer Study, e-Print: 2210.02591 [hep-ph].
115. *Higgs decay to charmonia and the charm-quark Yukawa coupling*
Tao Han, Adam Leibovich, Yang Ma, Xiao-Zhe Tan, (Nov. 19, 2022). Published in Pos ICHEP 2022, 517.
116. *Precision test of the muon-Higgs coupling at a high-energy muon collider*
J. Reuter, Tao Han, et al., (Dec. 2, 2022). Published in Pos ICHEP 2022, 1239.
- 2023:
117. *Report of the 2021 U.S. Community Study on the Future of Particle Physics: Summary Chapter*
Joel Butler, R. Sekhar Chivukula, Andre de Gouvea, Tao Han, Young-Kee Kim, Prisca Cushman (Jan 16, 2023). Contribution to Snowmass 2021, e-Print: 2301.066581 [hep-ex]
118. *Report of the 2021 U.S. Community Study on the Future of Particle Physics*
Joel Butler, R. Sekhar Chivukula, Andre de Gouvea, Tao Han, Young-Kee Kim,

Prisca Cushman (Jan 30, 2023). Contribution to Snowmass 2021 Summer Study.

119. *CEPC Technical Design Report – Accelerator (v2)*
CEPC Study Group/Waleed Abdallah (Cairo U.) et al.,
e-Print: 2312.14363.

2024:

120. *Interim report for the International Muon Collider Collaboration (IMCC)*
IMCC Collaboration, Carlotta Accettura (CERN) et al. CERN Yellow Rep. Monogr. 2/2024
(2024) 1, e-Print:2407.12450.
121. *Higgs-muon interactions at a multi-TeV muon collider*
Yang Ma et al., PoS ICHEP2024, 092, e-Print:2410.06991.
122. *MuCol Milestone Report No. 5: Preliminary Parameters*
MuCol Collaboration, Carlotta Accettura (CERN) et al. e-Print:2411.02966.
123. *Flavor Physics at CEPC: a General Perspective*
Xiaocong Ai et al., e-Print:2412.19743.

2025:

124. *United States Muon Collider Community White Paper for the European Strategy
for Particle Physics Update*
M. Begel et al., e-Print:2503.23695.
125. *The Muon Collider*
IMCC Collaboration, Carlotta Accettura (CERN) et al. e-Print:2504.21417.
126. *CEPC Technical Design Report – Reference Detector*
CEPC Study Group, S. .P. Adhya et al., e-Print: 2510.05260.
127. *MuCol Milestone Report No. 7: Consolidated Parameters*
MuCol Collaboration, Rebecca Taylor (CERN, ed.) et al. e-Print:2510.27437.

(3). Books

1. *Beyond the Standard Model IV, Conference Proceedings.*
Editors: J. F. Gunion, T. Han and J. Ohnemus, World Scientific Publishing Co.,
1995.
2. *The Dawn of the LHC Era: TASI 2008*
Proceedings of the 2008 Theoretical Advanced Study Institute in Elementary
Particle Physics.
Editor: Tao Han, World Scientific Publishing Co., 2010.
3. *Very Heavy Quarks at the LHC*
Special volume for *Advances in High Energy Physics*
Editors: Johan Alwall, Kai-Feng Chen, Tao Han, George W.-S. Hou,
Hindawi Publishing Co., 2013.

(4). Invited Talks in Conferences

1989:

1. *Some New Aspects of SUSY R-Parity Violating Interactions*
plenary talk at the *Collider Phenomenology Conference*, Argonne National Laboratory, June, 1989.

1991:

2. *Searching for Strong Weak-Boson Scattering Signals at the SSC: A Brief Overview*
plenary talk at the *SSC Physics Symposium*, UW-Madison, Wisconsin, Feb. 25–27, 1991.

1992:

3. *Test of the Dimopoulos-Hall-Raby Ansatz for Fermion Mass Matrices*
parallel talk at the *SSC Physics Symposium*, UW-Madison, Wisconsin, April 13–15, 1992.
4. *Transverse Momentum Distribution of Z-Boson Pairs at Hadron Supercolliders*
parallel talk at the *SSC Physics Symposium*, UW-Madison, Wisconsin, April 13–15, 1992.
5. *Electromagnetic Mass Differences for Heavy-Light Mesons*
parallel talk at the *APS/DPF 1992 Annual Meeting*, Fermilab, Illinois, Nov. 13, 1992.
6. *Strategies for Study of $W_L W_L \rightarrow W_L W_L$ Scattering at SSC/LHC*
plenary talk at the *Electroweak Symmetry Breaking at Collider-Beam Facilities*, Santa Cruz, California, Dec. 11–12, 1992.

1993:

7. *Forward Jet-tagging at Hadron Supercolliders*
plenary talk at the *SSC Physics Symposium*, UW-Madison, Wisconsin, March 29–31, 1993.
8. *Strongly-Interacting Electroweak Sector at Future Colliders*
plenary talk at the *2nd International Workshop on Physics and Experiments at e^+e^- Next Linear Colliders*, Waikoloa, Hawaii, April 26–30, 1993.

1994:

9. *Strongly-interacting Electroweak Sector*
plenary talk at the *Workshop on Electroweak Symmetry Breaking and TeV-Scale Physics*, UC-Santa Barbara, California, February 25, 1994.
10. *Search for Anomalous Couplings at $e\gamma$ Colliders*
parallel talk at the *Workshop on Gamma-Gamma Colliders*, Lawrence Berkeley Laboratory, California, March 28–31, 1994.
11. *Amplitude Zeros in $W^\pm Z$ Production*, parallel talk at the *Physics Doesn't Stop: Recent Developments in Phenomenology*, UW-Madison, Wisconsin, April 11–13, 1994.

12. *Higgs Boson Physics at the 4 TeV Upgraded Tevatron*, parallel talk at the *Physics Doesn't Stop: Recent Developments in Phenomenology*, UW-Madison, Wisconsin, April 11-13, 1994.
 13. *Higgs Boson Physics at an Upgraded Tevatron*, parallel talk at the *DPF 1994 Meeting*, Univ. of New Mexico, Albuquerque, NM, Aug. 1-7, 1994.
- 1995:
14. *Exact and Approximate Radiation Amplitude Zeros — Phenomenological Aspects* plenary talk at the *International Symposium on Vector Boson Self-Interactions*, UCLA, California, February 1-3, 1995.
 15. *Strongly-Interacting Electroweak Sector at the LHC* plenary talk at the *Topics in Particle Physics with CMS*, UCLA, California, February 6-8, 1995.
 16. *Top Quark Decay via FCNC at Hadron Colliders* plenary talk at the *Workshop on Particle Theory And Phenomenology*, Iowa State University, Ames, Iowa, May 25-26, 1995.
 17. *Strong $W_L W_L$ Scattering Signals at the NLC* plenary talk at the *Study Group Meeting on Future e^+e^- Collider physics*, Estes Park, Colorado, June 21-23, 1995.
 18. *Physics Potential at $\mu^+\mu^-$ Colliders* parallel talk at the *1st Joint Meeting of the Chinese Physical Societies*, Shantou University, Guangdong, China, Aug. 4-9, 1995.
 19. *Strong $W_L W_L$ Scattering Signals at the LHC* parallel talk at the *CMS Week*, Granlibakken, Lake Tahoe, California, Sept. 25-29, 1995.
 20. *Higgs Physics at e^-e^- Colliders* parallel talk at the *Physics with High Energy e^+e^- Colliders*, Fermilab, Batavia, Illinois, Nov. 16-18, 1995.
 21. *Low-lying States in a Strongly Interacting E.W. Sector* parallel talk at the *Physics with High Energy e^+e^- Colliders*, Fermilab, Batavia, Illinois, Nov. 16-18, 1995.
 22. *Summary for Strongly Interacting E.W. Sector Working Group* plenary talk at the *Physics with High Energy e^+e^- Colliders*, Fermilab, Batavia, Illinois, Nov. 16-18, 1995.
 23. *Physics Potential at a 2×2 TeV $\mu^+\mu^-$ Collider* plenary talk at the *3rd International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, California, Dec. 13-16, 1995.
- 1996:
24. *Higgs Physics at e^-e^- Colliders* parallel talk at the *Physics with High Energy e^+e^- Colliders*, SLAC, California, Feb. 29 - Mar.2, 1996.

25. *Jet-Angular distributions from $W_L W_L$ Decays at a TeV NLC*
parallel talk at the *Physics with High Energy e^+e^- Colliders*, SLAC, California, Feb. 29 - Mar.2, 1996.
26. *Top-Quark Decay via FCNC at the LHC*
plenary talk at the *High Energy Physics at the LHC*, Fermilab, Batavia, Illinois, March 28-30, 1996.
27. *Strong $W_L W_L$ Scattering Signals at Future Colliders*
plenary talk at the *Pheno 96 Symposium: Recent Developments in Phenomenology*, Madison, Wisconsin, April 1-3, 1996.
28. *Search for anomalous $tcZ, tc\gamma$ Couplings at the NLC*
“Strong Coupling Working Group” plenary talk at the *New Directions for High Energy Physics*, Snowmass, Colorado, June 25 - July 12, 1996.
29. *Strong $W_L W_L$ Scattering Signals at a 4 TeV $\mu^+\mu^-$ Collider*
“Strong Coupling Working Group” plenary talk at the *New Directions for High Energy Physics*, Snowmass, Colorado, June 25 - July 12, 1996.
30. *Strongly Interacting Electroweak Sector: A Comparative Study at the LHC, NLC and Muon Colliders*
plenary talk at the Ringberg Workshop, *the Higgs Puzzle*, Ringberg Castle, Munich, Germany, Dec. 8-13, 1996.

1997:

31. *From Top to Charm via Flavor Changing Neutral Currents*
plenary talk at the FCNC Workshop, *Flavor Changing Neutral currents '97*, Santa Monica, California, Feb. 19-21, 1997.
32. *Measuring the Higgs Boson to ZZ Coupling at Linear Colliders*
parallel talk at the *Beyond the Standard Model V*, Balholm, Norway, April 29 - May 4, 1997.
33. *Strong WW Scattering Physics at e^-e^- Colliders*
plenary talk at the *Workshop for Physics at e^-e^- Colliders*, University of California, Santa Cruz, Sept. 23, 1997.
34. *Some Aspects of the Electroweak Symmetry Breaking*
plenary talk at the conference on *Pacific Particle Physics Phenomenology*, Seoul, Korea, Oct. 31 - Nov. 2, 1997.
35. *Higgs Boson Physics at the NLC*
parallel talk at the *Physics at the First Muon Collider and at the Front End of the Muon Collider*, Fermilab, Batavia, IL, Nov. 6-9, 1997.
36. *Z-pole Physics with High Luminosity and Polarized Beams*
parallel talk at the *Physics at the First Muon Collider and at the Front End of the Muon Collider*, Fermilab, Batavia, IL, Nov. 6-9, 1997.
37. *Higgs Bosons and Z-pole Physics at the FMC*
plenary talk as the working group summary at the *Physics at the First Muon*

Collider and at the Front End of the Muon Collider, Fermilab, Batavia, IL, Nov. 6-9, 1997.

38. *Strongly Interacting Electroweak Sector: a Comparative Study at LHC, NLC and a Muon Collider*
plenary talk at *the 4th International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, CA, Dec. 10-12, 1997.
39. *Z-pole Physics with High Luminosity and Polarized Beams*
plenary talk at *the 4th International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, CA, Dec. 10-12, 1997.

1998:

40. *Mass Spectrum of SUSY Particles with Direct Messenger-Matter Interactions*
parallel talk at *Supersymmetry/Higgs Working Group meeting for Physics at the Tevatron Run II Workshop*, Fermilab, Batavia, IL, March 20-22, 1998.
42. *Light Higgs Boson in a Non-standard Electroweak Sector at Colliders*
talk given at *Aspen Summer Institute*, Aspen, CO, July 8, 1998.
43. *Some Aspects in Gauge-Mediated Supersymmetry-Breaking Models*
parallel talk at *The 29th International Conference on High-Energy Physics (ICHEP 98)*, Vancouver, Canada, 23-29 July 1998.
44. *Top Story with New Interactions: FCNC at the NLC*
parallel talk at *Workshop on Physics and Detectors for Future e^+e^- Linear Colliders*, Keystone, CO, Sept. 26-29, 1998.
45. *Strong WW Scattering Physics at an e^-e^- Collider*
parallel talk at *Workshop on Physics and Detectors for Future e^+e^- Linear Colliders*, Keystone, CO, Sept. 26-29, 1998.
46. *Introduction: Top Quark Rare Decays*
plenary talk at *Thinkshop: Top-quark Physics at Tevatron Run-II*, Fermilab, IL, October 16-18, 1998.

1999:

47. *Physics Expectations at Future Colliders*
plenary talk at *1999 Aspen Winter Conference on Particle Physics*, Aspen, CO, Jan. 17-23, 1999.
48. *Strong Interactions of Weak Bosons*
plenary talk at *the 4th Workshop on Linear Collider Physics*, Sitges, Barcelona, Spain, April 28 - May 5, 1999.
49. *Physics Expectations at the VLHC*
plenary talk at *the 1st Annual Meeting on the Very Large Hadron Collider*, Monterey, California, June 28-30, 1999.
50. *Physics Potential at the Fermilab Tripler*
parallel talk at *the PASCOS 99*, Granlibakken Conference Center, Tahoe city, California, Dec. 10-16, 1999.

51. *s-channel Higgs Physics at the First Muon Collider*
plenary talk at the 5th International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders, San Francisco, California, Dec. 15-17, 1999.

2000:

52. *Physics with Large Extra Dimensions*
plenary talk at the XXXV Rencontres de Moriond, Electroweak and Unified Theories, March 13-18, 2000.
53. *$h \rightarrow \tau^+\tau^-$ at the Tevatron*
plenary talk at the Argonne workshop Theory Institute for SUSY and Higgs, April 24 - May 12, 2000.
54. *$\tan\beta$ Determination from Heavy Higgs Production at Linear Colliders*
parallel talk at the workshop SUSY2K, June 26 - July 1, 2000, CERN, Geneva.
55. *Cosmology and Mass Hierarchy in Warped Brane Models*
plenary talk at the conference Beyond4D, July 3 - 6, 2000, ICTP, Trieste.
56. *Large Extra dimensions – Astrophysical constraints*
plenary talk at the conference Identification of Dark Matter 2000, Sept.18-22, 2000, York, England.
57. *Top-quark Rare Decays*
parallel talk at the conference European Heavy Flavor Workshop, Sept.18-22, 2000, University of Durham, England.
58. *$W_L W_L \rightarrow t\bar{t}$ at Linear Colliders*
parallel talk at the conference International Linear Collider Workshop 2000, Oct.24-28, 2000, Fermilab.
59. *Higgs Coupling with CP-Violation at Linear Colliders*
parallel talk at the conference International Linear Collider Workshop 2000, Oct.24-28, 2000, Fermilab.

2001:

60. *Higgs Physics at Colliders*
plenary talk at the International conference SUSY 2001, June 11-17, 2001, Dubna, Russia.
61. *Physics Potential at the VLHC*
Plenary talk at the DPF Snowmass Workshop, June 30–July 21, 2001, Snowmass, Colorado.

2002:

62. *TeV string excitations via high energy neutrinos*
parallel talk at the DPF Annual Conference, May 24–28, 2002, Williamsburg, VI.
63. *$H \rightarrow \mu^+\mu^-$ at the LHC*
parallel talk at SUSY 2002, June 17–23, 2002, DESY, Hamburg, Germany.

64. *TeV string resonances*
parallel talk at the 1st Conference on String Phenomenology, July 6–11, 2002, Oxford, England.

2003:

65. *New Physics at the LHC and LC*
talk presented at the “Theorists’ Rally” at the American Linear Collider workshop, Jan. 9–11, 2003, Arlington, Texas.
66. *TeV String Excitation and HE Cosmic Neutrinos*
plenary talk presented at the Aspen Winter Conference, Jan. 20–24, 2003, Aspen, CO.
67. *Little Higgs Phenomenology*
plenary talk at *Physics at Future Colliders*, March 17–18, 2003, Kyoto, Japan.
68. *Phenomenology of Little Higgs Models*
parallel talk at the *Conference on Interface of Particle, Astrophysics and Nuclear Physics*, May 19–24, 2003, Manhattan, New York.
69. *Flavor Physics in the Littlest Higgs Model*
plenary talk at the *International Conference on Flavor Physics*, Oct. 6–11, 2003, Seoul, Korea.
70. *Theory Overview: In the Light of VLHC*
plenary talk at the *International Workshop on Future Hadron Colliders*, Oct. 16–18, 2003, Fermilab, Chicago.

2004:

71. *High Energy Physics: the Current Status*
plenary talk at the *Conference on Interplay of High Energy Physics, Nuclear Physics, and Cosmology*, Jan. 7–11, 2004, Harbin, P.R. China.
72. *Constraints on $\tau - \mu$ Flavor Mixing*
plenary talk at the *International workshop on τ and charm Physics*, Jan. 13–15, 2004, Beijing, P.R. China.
73. *Smoking Gun signatures for Little Higgs Models*
plenary talk at *SUSY2004*, June 19–23, 2004, Tsukuba, Japan.
74. *New Physics Beyond the Standard Model*
plenary talk at *International Conference on Frontier Physics*, July 5–9, 2004, Beijing, P.R. China.
75. *Non-Standard Higgs Searches at Hadron Colliders*
talk given at the *TeV4LHC Higgs working group meeting*, Dec. 14, 2004, Fermilab.

2005:

76. *String Resonances at Hadron Colliders*
parallel talk given at the *TeV4LHC*, 3–5 February, 2005, Brookhaven National Lab.

77. *Anomalous Higgs Couplings*
talk given at the *Higgs Working Group*, Snowmass ILC Conference, August 16, 2005.
78. *Search for Extra-dimensions at Colliders*
talk given at the *Landscape Working Group*, Snowmass ILC Conference, August 23, 2005.
79. *Challenges for Searching for New Physics at Hadron Colliders*
plenary talk at the *TeV4LHC Concluding meeting*, Oct. 20, 2005, Fermilab.
- 2006:
80. *High Energy Physics: The Next Two Decades*
plenary talk at the *Shuang-Qing Forum*, Feb.22, 2006, Beijing, China.
81. *An exercise for a Tevatron Inverse Problem*
plenary talk at the *LHC Inverse Problem Workshop*, April 12-15, Ann Arbor, Michigan.
82. *The Search for Heavy Majorana Neutrinos*
plenary talk at the *Langacker's Fest*, May 8, 2006, University of Pennsylvania.
83. *The Search for Heavy Majorana Neutrinos*
plenary talk at the *Argonne Collider workshop*, May 10, 2006, Argonne National Lab.
84. *Am I ready for the LHC?*
panel presentation at *SUSY-06*, June 12-17, 2006, UC-Irvine.
85. *The International Linear Collider: Challenge and Opportunity for China*
plenary talk at the *Fragrant Hill Conference*, Dec. 5, 2006, Beijing, China.
- 2007:
86. *ILC in the LHC Era*
plenary talk at the *ACFA and ILC GDE Joint Conference*, Feb.4, 2007, IHEP, Beijing, China.
87. *The "Top Priority" at the LHC*
plenary talk at the *Princeton Joint LHC Workshop*, March 20, 2007, Princeton University.
88. *Resonant Signals*
plenary summary talk at the *The Early Phase of the LHC for the ILC*, April 14, 2007, Fermilab.
89. *High Energy Physics: the Next Two Decades*
plenary talk at the *International Conference on Frontier Physics*, May 26, 2007, KITP-C, Beijing, China.
90. *The Search for Lepton-number Violation*
plenary talk at the *Neutrino masses and the TeV scale physics*, Triumph, Canada, Oct. 20, 2007.

86. *The International Linear Collider: Challenge and Opportunity for China*
 plenary talk at the *Fragrant Hill Conference*, Dec. 5, 2007, Beijing, China.
- 2008:
91. *The Search for Lepton-number Violation*
 plenary talk at the *Wei-Hai Forum*, Wei-Hai, China, July 8, 2008.
- 2009:
92. *Kickoff for the Exotic Physics Working Group*
 plenary talk at the *LHC2FC: LHC to Future Colliders*, CERN, Feb. 9, 2009.
93. *Gauge Boson self-interactions*
 plenary talk at the *LHC2FC: LHC to Future Colliders*, CERN, Feb. 13, 2009.
94. *Lepton-number Violation at the LHC*
 plenary talk at the *Yukawa Symposium*, YITP, Kyoto University, Japan, March 10, 2009.
95. *Non-SUSY Beyond the Standard Model Physics*
 plenary talk at the *Particle Physics and Cosmology 09*, University of Oklahoma, Norman, May 20, 2009.
96. *The “Top Priority” at the LHC*
 plenary talk at the *Beyond the Standard Model at the LHC–2009*, Northeastern University, Boston, June 2, 2009.
97. *Missing Energy at the LHC: Dark Matter Connection*
 plenary talk at the *Innovative Team Meeting*, Shandong University, Wei-Hai, China, July 23, 2009.
98. *Physics Working Group Summery*
 plenary talk at the *Workshop on Physics, Detector and Accelerator at Muon Colliders*, Fermilab, Nov. 12, 2009.
- 2010:
99. *Genuine CP-Odd Observables and the Test of ZZH Coupling*
 parallel talk at the *Workshop on International Linear Collider*, Beijing, China, March 29, 2010.
100. *CP Violation in ZZH Interaction*
 plenary talk at the *MCTP Spring Symposium on Higgs Boson Physics*, Ann Arbor, Michigan, May 13, 2010.
101. *A Vision From The Top*,
 conference concluding talk at the *3rd International Workshop on Top Physics: Top-2010*, Bruges, Belgium, June 4, 2010.
102. *The Test of “Seesaw”*,
 conference concluding talk at the *GoranFest*, in honor of Goran Senjenovic, Split, Croatia, June 12, 2010.

- 103. *Missing Mass Measurements at Colliders*,
talk at the *Workshop on The Dark Side of the Universe*, Aspen, Colorado. July 8, 2010.
- 104. *New Physics Expectations at the LHC*,
conference concluding talk at the *New Physics at the LHC*, Tsinghua University, China, Aug. 24, 2010.
- 105. *Colored Resonances at the LHC: Largest rate and Simplest Topology*,
Opening talk at the *SLAC Workshop on Topologies for Early LHC Searches*, Stanford National Linear Accelerator Lab., California, Sept. 22, 2010.
- 106. *Search for New Physics at the LHC*,
Plenary talk at the *Kruger 2012: Discovery Physics at the LHC*, Kruger National Park, South Africa, Dec. 7, 2010.

2011:

- 107. *Phenomenology in the LHC Era*,
Plenary talk at the *LHC Symposium*, National Taiwan University, Taiwan, Jan. 26, 2011.
- 108. *Dark Matter Theory*,
Plenary talk at the *Deep Underground Physics Workshop*, ChengDu/Jin-Ping Mountain, Si-Chuan University, China, Jan. 28-29, 2011.
- 109. *Gauge-boson Self-interactions*,
Plenary talk at the *LoopFest X: Uli Baur Memorial*, Northwestern University, May 12, 2011.
- 110. *Phenomenology in the New Era*,
Plenary talk at the *Shanghai Particle physics, Cosmology Workshop*, Shanghai JiaoTong University, China, June 2, 2011.
- 111. *Theoretical Motivation for a Muon Collider*,
Plenary talk at the *Workshop on Muon Collider Physics*, Telluride, Colorado, June 28, 2011.
- 112. *The Need for a Muon Collider*,
Panel presentation at the *APS/DPF Meeting: Future Lepton Collider Forum*, Brown University, Providence, Rhode Island, August 12, 2011.
- 113. *The Search For Baryon Number Violation at the LHC*,
Plenary talk at the *2011 International Conference on Baryon and Lepton Number Violation*, Great Smokey Mountains, Gatlinburg, Tennessee, Sept. 23, 2011.
- 114. *Strong $W_L W_L$ Scattering*,
Plenary talk at the *Workshop of Lattice Meets Experiments*, Fermilab, Illinois, Oct. 15, 2011.

2012:

115. *The Search for New Physics at the LHC*,
Plenary talk at the *2012 Lake Louise Winter Institute*, Lake Louise, Alberta, Canada. Feb. 24, 2012.
116. *It's All About the Tau's*,
Plenary talk at the *Chicago 2012 Workshop on LHC Physics*, University of Chicago, May 4, 2012.
117. *$W_L W_L$ Scattering: Theory and Perspectives at the LHC*,
Plenary talk at *The Next Stretch of the Higgs Magnificent Mile*, Northwestern University/Argonne Lab, Chicago, May 15, 2012.
118. *Implications for Non-SUSY Searches*,
Plenary talk at the *2012 Recontres de Blois*, France, May 28, 2012.
119. *Majorana Neutrinos at the Intensity and Energy Frontiers*,
Plenary talk at the *Neutrino 2012 Conference*, Kyoto, Japan, June 8, 2012.
120. *Missing Energy at the LHC: Dark Matter Connection*
Plenary talk at *Workshop on The First Two Years at the LHC*, KITP-China, Beijing, June 19, 2012
121. *Missing Mass at the LHC: Antler and Cascade Topologies*
Plenary talk at *CETUP* 2012*, Sanford Underground Research Facilities, South Dakota, July 17, 2012.
122. *MSSM Higgs at the LHC*
Parallel talk at *The 20th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2012)*, Peking University, Beijing, China, August 16, 2012.
123. *Higgs Boson and New Physics at the LHC*
Plenary talk at *The 2012 TeV-Scale Physics Workshop*, Tsinghua University, Beijing, China, November 12, 2012.
124. *The Need for a Muon Collider*
Plenary talk at *The ICFA beams dynamics workshop on Higgs Factories*, Fermilab, November 16, 2012.
125. *Higgs Couplings*
Lead discussion at *Higgs Physics at the LHC Workshop*, KITP, Santa Barbara, Dec. 18, 2012.
- 2013:
126. *Higgs Physics at a Muon Collider*
Plenary talk at *Higgs Snowmass Workshop at Princeton*, Jan. 14, 2013.
127. *Dark Matter and the Higgs in MSSM*
Plenary talk at *TAMU Workshop on Dark Matter*, Texas A&M University, College Station, March 8, 2013.

128. *SUSY Dark Matter and the Higgs Boson*
Plenary talk at *The LHC Higgs Signal: Characterization, Interpretation and BSM Model Implications*, University of California-Davis, April 23, 2013.
129. *The Higgs Boson and Beyond*
Opening plenary talk at *The 26th International Symposium on Lepton Photon Interactions at High Energies*, SLAC, San Francisco, June 24, 2013.
130. *Future Facilities for Higgs Physics*
Concluding plenary talk at the *International Symposium on Higgs Physics*, IHEP, Beijing, Aug. 16, 2013.
131. *Higgs Physics at the LHC*
Plenary talk at *The 8th TeV Physics Working Group Workshop*, Dalian, China, Aug. 22, 2013.
132. *Higgs Factories and Beyond*
Opening plenary talk at the *Kickoff Meeting for the CEPC/SppC Program*, IHEP, Beijing, Sept. 13, 2013.
133. *Anomalous Quartic Gauge Boson couplings*
Workshop Summary talk at the *Workshop on the Anomalous Quartic Gauge Boson Couplings*. Dresden, Germany, Oct. 2, 2013.
134. *The Test of “Seesaw” at the LHC*
Plenary talk at the workshop *From Majorana to LHC*, Trieste, Italy, Oct. 5, 2013.
135. *EW-kinos at the LHC*
Plenary talk at the workshop *SM(at)New Energy Frontier*, FNAL, Illinois, Nov. 11, 2013.
- 2014:
136. *EW Physics After the Higgs Discovery*
Plenary talk at the *Aspen Winter Conference*, Aspen, Colorado, Jan. 20, 2014.
137. *Future Searches at the LHC*
Lead discussions at the *ATLAS Exotic Physics Working Group Open Meeting*, Eilat, Israel, Feb. 5-9, 2014.
138. *Future work for FCC in China*
Lead discussions at *The 1st CFHEP Symposium on Circular Collider Physics*, IHEP, Beijing, China, Feb. 23-25, 2014.
139. *TGC & QGC: With a Light Higgs Boson*
Plenary talk at the conference *SM(at)LHC, 2014*, Madrid, Spain, April 10, 2014
140. *Physics Cases for Future Colliders*
Plenary talk at the conference: *The 2nd CFHEP Workshop*, IHEP, Beijing, China, Aug. 11, 2014.
141. *The Higgs Boson and Beyond*
Plenary talk at the *Christmas Meeting*, IPPP, Durham, UK, Dec. 15, 2014.

2015:

142. *Top Quark As Partons*
Plenary talk at the conference on *Future High Energy Physics*, IAS, Hong Kong University of Science and Technology, Jan. 7, 2015.
143. *Physics at the Very-Large Hadron Collider*
Plenary talk at the Aspen Winter Conference on *Exploring the Physics Frontier with Circular Colliders*, Aspen Center for Physics, Jan. 27, 2015.
144. *Bread and Butter Physics at a Z-Factory*
Plenary talk at the *Workshop on CEPC Precision Physics*, ITP, Beijing, China, March 9-10, 2015.
145. *A New Look at an Old Friend*
Plenary talk at the *Key Aspects in Exploring Road to Unification: KAERU Conference*, IPMU, Japan, March 26, 2015.
146. *Test of See-Saw at Colliders*
Invited talk at the *APS April Meeting, Neutrino Session*, Baltimore, April 12, 2015.
147. *Running of the Higgs Boson Mass*
Plenary talk at the *MCTP Spring Higgs Symposium*, University of Michigan, April 21, 2015.
148. *Vision From the Top*
Plenary talk at the *Gordon Research Conference*, HKUST, June 8, 2015.
149. *Top Quark As Partons*
Plenary talk at the *10th TeV-Scale Physics Working Group Workshop*, UCAS, Beijing, Aug. 8, 2015.
150. *“Top Tools” for New Physics*
Plenary talk at the *Large Hadron Collider Physics*, St. Petersburg, Sept. 2, 2015.
151. *Physics at Future Colliders*
Concluding talk at the *Brookhaven Forum 2015: Great Expectations, A New Chapter*, Brookhaven National Lab, Long Island, Oct. 9, 2015.
152. *Physics at Future Colliders*
Plenary talk at the *Annual Conference of the Korean Physical Society*, GyeongJu, South Korea, Oct. 22, 2015.
153. *Under the Higgs Lamppost*
Keynote speech at the *National Center for Theoretical Science Annual Theory Meeting*, National Tsinghua University, Taiwan, Dec. 10, 2015.

2016:

154. *Closing Talk on Open Issues*, Closing talk at *IAS Program on High Energy Physics 2016*, Institute for Advanced Study, Hong Kong, Jan. 21, 2016.
155. *Higgs Boson and Beyond*
Concluding talk at the *CUNY Symposium on Quantum Fields*, May 20, 2016.

156. *Weak Bosons at High Energies (or Dieter and Friends in Dairayland)*
Keynote speech on the occasion *Aus Anlass des 60. Geburtstages von Herrn Prof. Dr. Dieter Zeppenfeld*, Karlsruhe Institute of Technology, June 3, 2016.
157. *High Lights of KITPC LHC Program: New Physics at the LHC Run 2*
Summary talk at the *International Conference on Frontiers of Science on “Quantum Cosmo-Physics”*, Beijing, China, July 31, 2016.
158. *The Higgs Boson and Beyond*
Opening talk at the *International Symposium on Higgs & Beyond*, Weihai, China, Aug. 15, 2016.
159. *Physics at Future Colliders in Light of the Higgs boson*
Plenary talk at the *Search for new physics through the Higgs boson*, Gwangju, Korea, Oct. 16, 2016.
160. *Physics motivation for a Higgs factory*
Keynote speech at the *“Fragrant Hill Forum*, Fragrant Hill Hotel, Beijing, Oct. 19, 2016.
161. *Electroweak splitting functions and the high energy showers*
Plenary talk at the *National Center for Theoretical Science Annual Meeting*, National Tsinghua University, Taiwan, Dec. 6, 2016.
- 2017:
162. *Neutrino physics at the LHC*
Plenary talk at the *Neutrinos: the quest for a new physics scale*, CERN, Geneva, March 28, 2017.
163. *Radiative Higgs decay to fermions*
Plenary talk at the *“New physics interpretation for LHC data”*, Argonne National Lab., April 6, 2017.
164. *Physics with a 100 TeV Hadron Colliders*
Plenary talk at *Particle Physics & Cosmology*, Texas A&M University-Corpus Christi, May 24, 2017.
165. *Physics at Future Colliders in Light of the Higgs boson*
Plenary talk at *PASCOS 2017*, IFT, Madrid, Spain, June 23, 2017.
166. *“Unique Role” of Future e^+e^- Colliders*
Plenary talk at the *Gordon Research Conference*, HKUST, June 28, 2017.
167. *Some Thoughts on CEPC Physics*
Plenary talk at the *CEPC Physics Workshop*, CFHEP-IHEP, Beijing, July 14, 2017.
168. *The Higgs Boson Radiative Decays*
Plenary talk at the *NCTS 20th Anniversary Symposium: Frontiers in Physics*, Tsinghua University, Taiwan, Aug. 3, 2017.
169. *Unblinding the SUSY DM Blind Spots*
Plenary talk at the *Workshop on WIMP DM & Beyond*, TDLI, SJTU, Shanghai, Sept. 18, 2017.

170. *What Henry Said About the “Giant Collider”*
Plenary talk at the *HenryFest*, Cornell University, Oct. 9, 2017.

2018

171. *Physics Motivations for Future Colliders*
Plenary talk at the 5th *Chilean School of High Energy Physics*, Universidad Tecnica Federico Santa Maria, Jan. 12, 2018.
172. *Higgs Couplings at High Scales*
Plenary talk at *2018 Aspen Winter Conference*, Aspen Center for Physics, Colorado, March 30, 2018.
173. *Physics Potential of the LHC Upgrades*
Concluding talk (Wine and Cheese Seminar) at the HL-LHC/HE-LHC Workshop, Fermilab, April 6, 2018.
174. *Physics Potential at Future Colliders*
Invited talk at the *US CMS Annual Meeting*, Minneapolis, May 18, 2018.
175. *Physics Potential of the LHC Upgrades*
Plenary talk at *PLANCK 2018*, Bonn, Germany, May 25, 2018.
176. *Higgs Couplings at High Scales*
Plenary talk at *PASCOS 2018*, Case Western Reserve U., June 6, 2018.
177. *Higgs Measurements at Future Colliders*
Plenary talk at *Higgs Hunting 2018*, Orsay-Paris, France, July 25, 2018.
178. *EW Sector at High Energies*
Opening talk at the 24th *Summer Institute*, Panshan, China, Aug. 13, 2018.
179. *Prospects for Multi-boson Physics at Future Colliders*
Plenary talk at *Multi-Boson Interactions*, An Arbor, Michigan, Aug. 28, 2018.
180. *In preparation for DPF Submission to European Strategy Group*
Invited talk at the *Energy Frontier Group Meeting*, Fermilab, Sept. 25, 2018.
181. *Higgs Couplings at High Scales*
Plenary talk at *Beyond BSM Workshop*, Ikaho, Gumma prefecture, Tenbo Hotel, Japan, Oct. 2, 2018.
182. *Higgs Physics at HL/HE LHC and Beyond*
Concluding talk at *Higgs Couplings 2018*, Ryogoku Tokyo, Japan, Nov. 30, 2018.

2019

183. *Constraints on Neutrino Parameters from Colliders*
Plenary talk at *DCPIHEP 2019 Workshop*, Comala, Colima, Mexico, Jan. 11, 2019.
184. *What is the Next?*
Concluding talk at *The 14th Workshop for the TeV-Scale Physics Working Group*, Nanjing, China, April 22, 2019.

185. *How To Pronounce It? Dimitri Nanopoulos*
Plenary talk at *Mitchell Conference on Collider, DM, Neutrino Physics*, College Station, Texas, May 15, 2019.
186. *Physics Motivations for Future Colliders*
Plenary talk at *SUSY 2019*, Texas A&M University-Corpus Christi, May 20, 2019.
187. *Overview of Neutrino Physics at Colliders*
Plenary talk at *NTN Workshop on Neutrino NSI*, Washington University, St. Louis, May 29, 2019.
188. *Make No Stone Unturned*
Plenary talk at *2nd Frontier Forum on Particle Physics*, Sichuan University, Chengdu, China, June 9–11, 2019.
189. *Beyond QCD and Beyond the LHC*
Concluding remarks at *QCD at the LHC 2019*, University at Buffalo, SUNY, July 19, 2019.
190. *DPF Planning on Snowmass Activities*
Remarks at *the 2019 ACP summer program*, Aspen Center for Physics, Aspen, Aug. 15, 2019.
191. *Collider Tests of NSI*
Plenary talk at *Neutrino Platform Week 2019: Hot Topics in Neutrino Physics*, CERN, Geneva, Oct. 5–11, 2019.
192. *Non-Standard Neutrino Interactions*
Plenary talk at *the NCTS Annual Theory Meeting*, NTHU, Taiwan, Dec. 12, 2019.
- 2020
193. *High-energy Lepton Collisions and EW PDFs*
Plenary talk at *the BL Violation Circa 2020*, July 8, 2020.
194. *High-energy Lepton Collisions and EW PDFs*
Talk at the *Snowmass Theory Frontier TG07*, Sept. 15, 2020.
195. *Muon Collider Physics: Recent Pheno Developments*
Plenary talk at the *Conference on Muon Collider Exploration*, Dec. 10, 2020.
- 2021
196. *Physics Opportunities at Muon Colliders*
Plenary talk at the *HKUST IAS Program on High Energy Physics*, Hong Kong, Jan. 14, 2021.
197. *Bread and Butter Physics at Muon Colliders*
Plenary talk at the *IPPP Topical Meeting on Physics with High-brightness Stored Muon Beams*, UK, Feb. 10, 2021.
198. *Higgs Physics at High Scales*
Plenary talk at the *Conference on Higgs as a Probe of New Physics*, Osaka University, Japan, March 25–27, 2021.

199. *Physics Opportunities at Muon Colliders*
Plenary talk at the 4th Session of the workshop on *Physics Limit of Ultimate Beams*, April. 6, 2021.
200. *Snowmass 2021: current Status and the Plans*
Update talk at the *Symposium of the US-Japan Science and Technology Cooperation Program*, April 22, 2021.
201. *Higgs Physics at the HL-LHC*
Plenary talk at the *Particle Physics and Cosmology (PPC)*, Oklahoma State University, May 21, 2021.
202. *Physics Opportunities at a Multi-TeV Muon Collider*
Plenary talk at the *International Conference on Anomalies 2021*, Hyderabad, India, Nov. 11, 2021.
203. *Physics Opportunities at Muon Colliders*
Plenary talk at the *Korean Future Collider (KFC) Workshop*, Seoul, Korea, August 26, 2021.
204. “*Who Ordered That?*” *Muons for New Physics*
Opening plenary talk at the *Frontier forum on technology and application of muon beam acceleration and collisions*, Beijing, China, Dec. 3, 2021.
205. *Physics at a Higgs Factory and Linear Colliders*
Opening talk at the *Snowmass Agora on Future Colliders*, Fermilab, Dec. 15, 2021.
- 2022
206. *From Higgs to Charm*
Plenary talk at the *Particle Physics on the Plains*, University of Kansas, April 2, 2022.
207. *M_W at Hadron Colliders in Light of the CDF Measurement: Theoretical Considerations*
Theory address at the press release *CDF W -mass Measurement*, Tsinghua University, Beijing, April 14, 2022.
208. *Muon Collider at the Energy Frontier*
Plenary talk at the *Frontier forum on technology and application of muon beam acceleration and collisions*, Beijing, China, April 16, 2022.
209. *M_W at hadron colliders – Theoretical considerations*
Plenary talk at the *Mitchell Conference on Collider, DM and Neutrinos*, Texas A&M University, College Station, May 25, 2022.
210. *Aspects of future colliders*
Plenary talk at the *Particle Physics and Cosmology*, Washington University, St. Louise, June 10, 2022.
211. *BSM ν physics at colliders*
NF-EF cross-cutting topical talk at the *CSS: Snowmass 2021*, University of Washington, Seattle, July 2022.

212. *Snowmass update: From Snowmass to Snowbird*
Plenary talk at the *NuFact 2022*, Snowbird, Utah, August 1, 2022.
213. *Neutrinos that are NOT gone missing*
Talk at the *Rabi Fest*, University of Maryland (virtual), College Park, Oct. 21, 2022.
214. *WW scattering: From fantasy to reality*
Plenary talk at the *16th TeV Physics Annual Meeting & Prof. Yuping Kuang Fest*, Tsinghua University (virtual), Beijing, China, Nov. 7, 2022.
215. *Higgs couplings to fermions*
Plenary talk at the *International Conference Higgs 2022*, Pisa, Italy (virtual), Nov. 8, 2022.
- 2023
216. *BSM physics at neutrino facilities*
Plenary talk at the *DCPIHEP 2023 workshop*, Universidad de Colima, Mexico, Jan. 12, 2023.
217. *Opportunities in particle physics*
Opening talk at the *HEP Conference*, Hong University of Science and Technology, Feb. 16, 2023.
218. *Muon colliders: Physics potential and activities*
Opening talk at the *KITP Muon Collider Program*, UCSB, Feb. 27, 2023.
219. *Neutrinos at the LHC*
Plenary talk at the *Aspen Center for Physics Winter Conference*, Aspen, March 27, 2023.
220. *BSM ν -physics at neutrino facilities*
Parallel talk at the *2023 APS April Meeting*, Minneapolis, April 16, 2023.
221. *Physics at future circular colliders*
Plenary talk at *Workshop on future accelerators*, Corfu, Greece, April 26, 2023.
222. *Higgs couplings to fermions*
Plenary talk at *Mitchell conference*, Texas A&M University, May 16, 2023.
223. *High energy physics: The present and future*
Keynote speech at *The Greater Bay-area forum*, Guangzhou, China (remote), May 23, 2023.
224. *Higgs couplings to fermions*
Plenary talk at *HPNP 2023*, Osaka University, Japan, June 5, 2023.
225. *Brief introduction to muon colliders*
Plenary talk at *HPNP 2023*, Osaka University, Japan, June 7, 2023.
226. *Beyond the SM: Theories and their practice*
Plenary talk at *XIXth Rencontres Du Vietnam*, Quy Nhon, Vietnam, August 8, 2023.

227. *Scalars, WIMP DM and more at a muon collider*
Plenary talk at *Scalars 2023*, University of Warsaw, Poland, Sept. 13, 2023.
228. *Beyond the SM physics at EIC*
Plenary talk at *798 WE-Heraeus Seminar*, Bad Honnef, Germany, Oct. 26, 2023.
- 2024
229. *Roadmap of particle physics*
Concluding talk at the *HEP Conference*, Hong University of Science and Technology, Jan. 25, 2024.
230. *A welcoming story*
Opening talk at the Pitt PACC Workshop on *Exploring quantum mechanics*, Pittsburgh, March 7, 2024.
231. *Theory motivation for future colliders*
Plenary talk at the *Aspen Center for Physics Winter Conference*, Aspen, March 28, 2024.
232. *Quantum entanglement and Bell inequality violation at the LHC*
Parallel talk at the *2024 APS April Meeting*, Sacramento, CA, April 6, 2024.
233. *Standard Model and Beyond: The lessons, puzzles and the way forward*
Concluding talk at the *MPI: New physics directions in the LHC era and beyond*, Heidelberg, April 26, 2024.
234. *Concluding Remarks*
Concluding Talk at APS DPF-Pheno 2024 Symposium, Pittsburgh, May 17, 2024.
235. *Electroweak Physics at Very High Energies – Splittings and Showering*
Plenary talk at *LoopFest, XXII*, Southern Methodist University, Dallas, Texas, May 21, 2024.
236. *Exotic Particle Production at High-Energy Muon Colliders*
Parallel talk at *SUSY 2024: Theory Meets Experiments*, IFT, Madrid, June 14, 2024.
237. *Theoretical Motivations for Future Colliders*
Plenary lecture at International Congress of Basic Science, BIMSA, Huairou, China, July 17, 2024.
238. *Quantum Entanglement and Bell In-Equality Violation at Colliders*
Plenary talk at the *2024 International Workshop on New Opportunities for Particle Physics*, IHEP, Beijing, July 19, 2024.
239. *Quantum Tomography at Colliders: Decay or Not Decay*
Plenary talk at *Quantum Tests in Collider Physics*, Merton College, Oxford, Oct. 2, 2024.
240. *Heavy Neutral Leptons at EIC*
Plenary talk at the EIC workshop *Uncovering New Laws of Nature at EIC*, Brookhaven National Lab, Nov. 22, 2024.

2025

241. *Standard Model and Beyond: The lessons, puzzles, and way forward*
Plenary talk at the *Winter Institute of New Physics in Elementary Particle Physics*, Sun Yat-Sen University, Shenzhen, China, Jan. 4, 2025.
242. *What IS “Electroweak Theory”?*
Plenary talk at the KITP program *What is Particle Theory*, UCSB, Feb. 10, 2025.
243. *Electroweak Symmetry Restoration at High Energies*
Plenary talk at the *Aspen Winter Conference: Empowering the New Vision in HEP*, ACP, March 3, 2025.
244. *Physics at a Muon Collider: from bread and butter to a main course*
Plenary talk at the *Aspen Winter Conference: Empowering the New Vision in HEP*, ACP, March 4, 2025.
245. *Quantum Tomography at Colliders*
Plenary talk at *No Stone Unturned 2025 Workshop*, University of Utah, March 14, 2025.
246. *Together We Achieve*
Meenakshi Narain Menoring Award speech at *APS Physics Global Summit*, Anaheim, CA, March 19, 2025.
247. *Physics Overview: 1-Year Progress*
Plenary talk at the *IMCC & MuCol Annual Meeting*, DESY, Germany, May 12, 2025.
248. *Phenomenology Before & After the Higgs Boson*
Plenary talk at the *Barger Fest*, UW-Madison, June 5, 2025.
249. *Quantum Tomography at Colliders*
Plenary talk at the *International Congress for Basic Science*, BIMSA, Huairou, China, July 15, 2025.
250. *Collider Physics: The Higgs Factory & Beyond*
Opening plenary talk at the *International Workshop on New Opportunities for Particle Physics*, IHEP, Beijing, July 18, 2025.
251. *Quantum Tomography at Colliders*
Plenary talk at the *Wilczek Quantum Center Workshop on Quantum Entanglement of High Energy Particles*, WQC, Shanghai, China, July 20, 2025.
252. *Physics at a Muon Collider: An Update*
Plenary talk at *SUSY 2025*, UC-Santa Cruz, California, Aug. 23, 2025.
253. *Particle Physics Phenomenology – The Higgs Boson & Beyond*
Plenary talk at the *Lepton-Photon Conference 2025*, UW-Madison, Aug. 26, 2025.
254. *Electroweak Processes at High Energies*
Plenary talk at the *DESY Annual Theory Workshop*, DESY, Germany, Sept. 24, 2025.

255. *Electroweak Symmetry Restoration at High Energies*
Plenary talk at the *Triple Higgs HHH Workshop*, Dubrovnik, Croatia, Sept. 29, 2025.
256. *Quantum Tomography in High-Energy Physics*
Keynote speech at the *Pujiang Innovative Forum: When the Largest Meets the Smallest, in Honor of Prof. Tsung-Dao Lee*, Shanghai, Nov. 20, 2025.
257. *Electroweak Symmetry Restoration at High Energies*
Plenary talk at the *ATLAS Standard Model Plenary Meeting*, CERN (remote), Dec. 11, 2025.
- 2026
258. *Electroweak Symmetry Restoration at High Energies*
Plenary talk at the *DCPIHEP 2026 Workshop*, Universidad de Colima, Mexico, Comala, Jan. 9, 2026.

(5). Seminars And Colloquia

1989:

1. *Large p_T Vector Boson Production in Hadron Collisions*
seminar at the Brookhaven National Laboratory, June, 1989.
2. *Some New Aspects of SUSY R-Parity Violating Interactions*
seminar at the University of Maryland, June, 1989.

1990:

3. *Multiple Vector Boson Production and Higgs-Boson-Related Physics*
seminar at the Argonne National Laboratory, January, 1990.
4. *Searching for Strong W^+W^+ Scatterings at the SSC*
seminar at the Northwestern University, Oct. 8, 1990.
5. *Strong W^+W^+ Scattering Signals at pp Supercolliders*
seminar at the Fermi National Accelerator Laboratory, Nov. 15, 1990.

1991:

6. *Strong Weak-Boson-Scattering Signals at the SSC*
seminar at the Argonne National Laboratory, April 24, 1991.
7. *Will the SSC Be a No-lose Machine in Searching for EW Symmetry Breaking?*
seminar at the Purdue University, Oct. 15, 1991.

1992:

8. *Weak-Boson Strong Scattering at the SSC*
seminar at the Lawrence Berkeley Laboratory, July. 24, 1992.

1993:

9. *Electroweak Symmetry Breaking and the Higgs Boson in the Standard Model*
seminar at the University of California at Davis, Feb. 8, 1993.
 10. *Electromagnetic Mass Differences for Heavy-Light Mesons*
seminar at the University of California at Davis, Feb. 9, 1993.
 11. *The “Top” Issue at the Fermilab Tevatron*
seminar at the Stanford Linear Accelerator Center, March 8, 1993.
 12. *The “Top” Issue in the Standard Model*
colloquium at the Iowa State University, Ames, April 5, 1993.
- 1994:
13. *The “Top” Issue at the Fermilab Tevatron Collider*
seminar at the Lawrence Berkeley Laboratory, Berkeley, March 18, 1994.
 14. *Weak Boson and Higgs Boson Production at e^-e^- Colliders*
seminar at the Stanford Linear Accelerator Center, June 23, 1994.
 15. *Amplitude Zeros in $W^\pm Z$ Production*
seminar at the Lawrence Berkeley Laboratory, Berkeley, August 22, 1994.
- 1995:
16. *Top-Quark Decay via FCNC at Hadron Colliders*
seminar at the University of Wisconsin - Madison, Nov. 19, 1995.
- 1996:
17. *Strongly-interacting Electroweak Symmetry Breaking Sector*
colloquium at the Carleton University, Ottawa, Canada, Sept. 9, 1996.
 18. *Low Lying States in a Strongly-interacting Electroweak Sector*
seminar at the University of Wisconsin - Madison, Sept. 13, 1996.
- 1997:
19. *Weakly Coupled Higgs Bosons*
seminar at the University of Wisconsin - Madison, Jan. 23, 1997.
 20. *Physics Potential at $\mu^+\mu^-$ Colliders*
seminar at University of Illinois - Urbana, April 22, 1997.
 21. *Multiple Parton Scattering in Photon and Proton Collisions*
seminar at DESY, Hamburg, Germany, May 5, 1997.
 22. *Double Parton Scattering at the Tevatron*
seminar at the CDF QCD Working Group, June 19, 1997.
 23. *Messenger Sneutrino as Cold Dark Matter*
seminar at the Aspen Center for Physics, August 7, 1997.
 24. *Cold Dark Matter in Gauge-Mediated SUSY Breaking Models*
seminar at the Argonne National Laboratory, September 17, 1997.
 25. *Particle Dark Matter in SUSY Theories*
seminar at the Institute of High Energy Physics, Beijing, China, Oct. 27, 1997.

26. *Cold Dark Matter in Gauge-Mediated SUSY Breaking Models*
seminar at the Lawrence Berkeley National Laboratory, November 26, 1997.
- 1998:
27. *Messenger-Matter Interactions in Gauge-Mediated SUSY Breaking Models*
seminar at the Argonne National Laboratory, Oct. 29, 1998.
28. *Physics Potential at Muon Colliders*
seminar at the Michigan State University, Dec. 8, 1998.
29. *Physics with Large Extra Dimensions*
seminar at the Michigan State University, Dec. 9, 1998.
- 1999:
30. *On the Large Extra Spatial Dimensions*
seminar at the Institute of High Energy Physics, Beijing, China, March 1, 1999.
31. *Collider Physics With Large Extra Dimensions*
seminar at Sendai University, Japan, March 8, 1999.
32. *Physics with Large Extra Dimensions*
seminar at Yukawa Institute for Theoretical Physics, Kyoto, Japan, March 11, 1999.
- 2000:
33. *Physics Potential for the Tevatron Tripler*
Joint Experimental and Theoretical (“Wine & Cheese”) seminar at Fermilab, March 3, 2000.
34. *Physics with Large Extra Dimensions*
departmental colloquium at the Iowa State University, March 6, 2000.
35. *Future Collider Physics*
seminar at the Theoretical Physics Institute, University of Minnesota, April 21, 2000.
- 2001:
36. *Higgs Bosons at Future Colliders*
seminar at the University of Pennsylvania, March 19, 2001.
37. *EDM, CP Violation in SUSY, and Linear Colliders*
seminar at the University of Pennsylvania, March 20, 2001.
38. *Theory and Phenomenology with Extra Dimensions*
seminar at the University of Maryland, May 2, 2001.
39. *EDM, CP Violation in SUSY, and Linear Colliders*
seminar at the University of Illinois–Urbana, Spet. 17, 2001.
40. *EDM and CP-Phases in SUSY*
seminar at the Oklahoma State University, Oct. 25, 2001.
41. *The Search for Extra Dimensions*
departmental colloquium at the Oklahoma State University, Oct. 25, 2001.

2002:

42. *Extra dimension phenomenology and TeV String Excitations*
seminar at the Würzburg University, Germany, July 24, 2002.
43. *EDM and CP violation in SUSY*
seminar at the National Tsing-Hua University, Taiwan, Oct. 1, 2002.
44. *Physics with extra dimensions*
department colloquium at the National Central University, Taiwan, Oct. 2, 2002.
45. *EDM and CP violation in SUSY*
seminar at the National Taiwan University, Taiwan, Oct. 3, 2002.
46. *Extra dimension physics and TeV string resonances*
seminar at the Academia Sinica, Taiwan, Oct. 4, 2002.
47. *TeV string resonances*
seminar at the IHEP, Beijing, China, Oct. 10, 2002.
48. *TeV string resonances*
seminar at the ITP, Beijing, China, Oct. 11, 2002.
49. *EDM and CP violation in SUSY*
seminar at the Tsing-Hua University, China, Oct. 15, 2002.
50. *Extra dimension physics and TeV string resonances*
colloquium at the Beijing University, China, Oct. 16, 2002.

2003:

51. *Little Higgs Phenomenology*
seminar at the University of Delaware, Feb. 20, 2003.
52. *TeV string excitations and HE cosmic neutrinos*
seminar at the University of Delaware, Feb. 21, 2003.
53. *TeV string Resonances and HE cosmic neutrinos*
seminar at the KEK, Tsukuba, Japan, March 20, 2003.
54. *Little Higgs Phenomenology*
seminar at the KITP, University of California–Santa Barbara, April 1, 2003.
55. *TeV string excitations and HE cosmic neutrinos*
seminar at the CalTech, April 7, 2003.
56. *Little Higgs Phenomenology*
seminar at the University of California–Los Angeles, April 8, 2003.
57. *TeV string excitations and HE cosmic neutrinos*
seminar at SLAC, April 9, 2003.
58. *Phenomenology of the Little Higgs Models*
seminar at the ITP, Beijing, China, Oct. 9, 2003.
59. *Phenomenology of the Little Higgs Models*
seminar at the Tsing-Hua University, Beijing, China, Oct. 10, 2003.

60. *Little Higgs and the Phenomenology*
seminar at the University of Florida, Nov. 4, 2003.

2004:

61. *Techniques in Collider Phenomonology*
seminar at the Beijing University, China, July 14, 2004.
62. *Phenomenology of the Little Higgs Models*
seminar at the Michigan State University, Oct. 12, 2004.
63. *Phenomenology of TeV-Scale String resonances*
seminar at the University of Michigan, Oct. 22, 2004.
64. *Earthly and Heavenly Signatures for TeV-Scale String resonances*
seminar at the University of Arizona, Oct. 28, 2004.
65. *The Search for Extra-dimensions*
colloquium at the University of Arizona, Oct. 29, 2004.
66. *Collider Phenomenology: Little Higgs Studies as an Example*
seminar at Harvard University, Nov. 17, 2004.
67. *Little Higgs Models at the LHC*
seminar at the LHC Physics Center, Fermilab, Nov. 23, 2004.
68. *Earthly and Heavenly Signatures for TeV-Scale String resonances*
seminar at the Northwestern University, Nov. 29, 2004.
69. *Earthly and Heavenly Signatures for TeV-Scale String resonances*
seminar at the Argonne National Lab, Dec. 10, 2004.
70. *Smoking-Gun Signatures for Little Higgs Models at Hadron Colliders*
Wine & Cheese seminar at Fermilab, Dec. 17, 2004.
71. *Majorana Neutrino Masses and the Lepton-number Violation*
seminar at the NewPhenomenaStudyGroup, Fermilab, Dec. 23, 2004.

2005:

72. *Low-energy Processes for Lepton-number Violation*
seminar at the Phenoclub, CERN, April 7, 2005.
73. *Little Higgs Phenomenology*
seminar at DESY, Germany, April 15, 2005.
74. *The Search for Extra-dimensions*
colloquium at the Karlsruhe University, Germany, April 22, 2005.

2006:

75. *Majorana Neutrinos at Hadron Colliders*
seminar at the University of California, Berkeley, March 20, 2006.
76. *Searching for Majorana Neutrinos at Hadron Colliders*
seminar at the University of California, Davis, March 22, 2006.

- 77. *TeV-scale Physics: The Next Two Decades*
colloquium at the Harbin Institute of Technology, China, July 18, 2006.
- 78. *The Search for Lepton-number Violation*
Theory/Experiment joint seminar at KEK, Tsukuba, Japan, Sept. 27, 2006.
- 79. *High Energy Physics: The Next Two Decades*
colloquium at the Israel Institute of Technology, (Technion) Haifa, Nov.16, 2006.

2007:

- 80. *The Search for Lepton-number Violation*
seminar at the Princeton University, April 4, 2007.
- 81. *The Search for Lepton-number Violation*
seminar at the State Univ. of New York, Stonybrook, April 25, 2007.
- 82. *High Energy Physics: The Next Two Decades*
colloquium at Shan-Dong University, June 5, 2007.
- 83. *High Energy Physics: The Next Two Decades*
colloquium at the Qu-Fu Normal University, June 6, 2007.
- 84. *The Search for Lepton-number Violation*
seminar at the Harbin Institute of Technology, June 15, 2007.
- 85. *The Search for Lepton-number Violation*
seminar at Peking University, June 21, 2007.
- 86. *High Energy Physics: The Next Two Decades*
colloquium at the University of Oklahoma, Sept. 27, 2007.
- 87. *High Energy Physics: The Next Two Decades*
colloquium at the Virginia Tech., Nov. 30, 2007.
- 88. *The Future of High Energy Physics*
colloquium at Xia-Men University, China, Dec. 24, 2007.

2008:

- 89. *High Energy Physics: The Next Two Decades*
colloquium at the Harish-Chandra Research Institute, Allahabad, India, Jan. 11, 2008.
- 90. *High Energy Physics: The Next Two Decades*
colloquium at the Indian Institute of Sciences, Bangalore, India, Jan. 18, 2008.
- 91. *High Energy Physics: The Next Two Decades*
colloquium at UC-Riverside, Feb. 22, 2008.
- 92. *The Search for Lepton-number Violation*
seminar at the University of Colorado, Boulder, March 14, 2008.
- 93. *The Search for Lepton-number Violation*
seminar at UC-Irvine, April 16, 2008.

94. *High Energy Physics: The Next Two Decades*
colloquium at UC-Irvine, April 17, 2008.
 95. *The Search for Lepton-number Violation*
seminar at the University of Liverpool, Great Britan, July 3, 2008.
 96. *High Energy Physics: The Next Two Decades*
colloquium at the Texas Tech University, Lubbock, TX, Nov. 13, 2008.
- 2009:
97. *Lepton-number Violation at Colliders*
seminar at the University of Chicago, Jan. 28, 2009.
 98. *The Search for Lepton-number Violation*
seminar at Boston University, March 2, 2009.
 99. *The Origin of Mass*
colloquium at Shandong University, JiNan, China, July 6, 2009.
 100. *The Top-quark Physics*
seminar at Shandong University, JiNan, China, July 7, 2009.
 101. *The Origin of Mass*
colloquium at the Northeastern University, Xi'An, China, July 9, 2009.
 102. *On the Origin of Mass*
colloquium at the Harbin Institute of Technology, Harbin, China, July 14, 2009.
 103. *The "Top Priority" at the LHC*
seminar at Peking University, China, July 27, 2009.
 104. *Missing Energy and Missing Mass at the LHC*
seminar at Cornell University, Sept. 25, 2009.
 105. *Missing Energy and Missing Mass at the LHC*
seminar at University of Maryland, Sept. 30, 2009.
- 2010:
106. *High Energy Physics: The Next Two Decades*
colloquium at the Carnegie-Mellon University, April 29, 2010.
 107. *The Test of Seesaw,*
seminar at the International Center for Theoretical Physics, Trieste, Italy, May 4, 2010.
 108. *My View of Contemporary High Energy Physics,*
seminar at the International Center for Theoretical Physics, Trieste, Italy, May 5, 2010.
 109. *The Quest for Mass*
colloquium at the Pittsburgh University, Oct. 4, 2010.
 110. *High Energy Physics: The Next Two Decades*
colloquium at Syracuse University, Oct. 21, 2010.

111. *The Test for Low-scale Seesaw*
seminar at Syracuse University, Oct. 22, 2010.
112. *High Energy Physics: The Next Two Decades*
colloquium at Vanderbilt University, Oct. 28, 2010.
113. *The Test for Low-scale Seesaw*
seminar at Vanderbilt University, Oct. 29, 2010.
114. *The Search for New Physics at the LHC*
seminar at the ICTP, Trieste, Italy, Dec. 13, 2010.
- 2011:
115. *High Energy Physics: The Next Two Decades*
colloquium at the National Central University, Taiwan, Jan. 24, 2011.
116. *Heavy Quarks at the LHC*
seminar at the National Taiwan University, Taiwan, Jan. 25, 2011.
- 2012:
117. *Missing Energy and Missing Mass: The Dark Matter Connection*
seminar at the Carnegie Mellon University, Jan.24, 2012.
118. *The Test for Seesaw at the LHC*
seminar at the Perimeter Institute, Canada, March 5, 2012.
119. *New Physics Searches at the LHC*
seminar at Nankai University, Tianjin, China, July 2, 2012.
120. *www.Higgsology: The Theory and Practice*
colloquium at the University of Arizona, Oct. 5, 2012.
- 2013:
121. *Higgsology: The Theory and Practice*
colloquium at Tsinghua University, China, March 25, 2013.
122. *Dark Matter and Higgs Bosons in MSSM*
seminar at Tsinghua University, China, June 4, 2013.
123. *LHC Physics After the Higgs Discovery*
seminar at the Center for High Energy Physics Peking Univ., Oct. 16, 2013
124. *The 2013 Nobel Prize and The Higgs Boson*
Public Lecture at Renmin University of China, Oct. 17, 2013.
125. *Reveal the Nature of EWSB: WW Scattering Theory & Practice*
colloquium at the MIT Lab of Nuclear Science, MIT, Cambridge, Oct. 28, 2013.
126. *The Higgs Boson & the 2013 Nobel Prize*
Public Lecture at the Univ. of Pittsburgh, Oct. 30, 2013.
- 2014:
127. *Light Dark Matter: Direct/Indirect and collider searches*
seminar at KIAS, July 25, 2014.

128. *The 2013 Nobel Prize and The Higgs Boson*
Public Lecture at Harbin Institute of Technology, China, Sept. 10, 2014.
- 2015:
129. *The Physics of Academic Career: A Balancing Act*
Keynote speech at the *Physics Department Retreat*, University of Texas-Dallas,
Jan. 30, 2015.
130. *Tests of See-saw at Colliders*
seminar at the Chinese University of Science and Technology, June 25, 2015.
131. *The Higgs Boson & Beyond*
seminar at ShangHai Jiao-Tong University, June 29, 2015.
132. *www.Higgsology: A Story for Mass Generation*
colloquium at the China-Eastern Normal University, June 30, 2015.
133. *Physics at Future Colliders*
seminar at Institute of Basic Science, Center for Theoretical Physics of the Universe,
Korea, Oct. 28, 2015.
134. *Physics Motivations for Future Colliders*
seminar at Yonsei University, Seoul, Korea, Oct. 29, 2015.
135. *Tests of See-saw at Colliders*
seminar at the Korean Institute of Advanced Study, Seoul, Korea, Nov. 2, 2015.
136. *Tests of See-saw at Colliders*
seminar at the Seoul National University, Korea, Nov. 5, 2015.
137. *Top Quark as a Parton*
seminar at the Korean Institute of Advanced Study, Seoul, Korea, Nov. 6, 2015.
- 2016:
138. *Higgs Boson and Beyond*
colloquium at the Sun Yet-Sen University, Guangzhou, China, Jan. 22, 2016.
139. *The Higgs Boson and Beyond*
colloquium at the University at Buffalo, SUSY, March 10, 2016.
140. *Splitting and Showering in the EW Sector*
seminar at Penn State University, March 23, 2016.
141. *Physics at Future Hadron Colliders*
Wine & Cheese seminar at Fermilab, May 13, 2016.
142. *Physics Motivations for Future Colliders*
Colloquium at the workshop *Multiple Faces for Naturalness*, Aspen Center for
Physics, June 16, 2016.
143. *Physics Motivations for Future Colliders*
Colloquium at the China University of Science of Technology, Hefei, July 15, 2016.

144. *The Origin of Mass, the Higgs Boson, and the LHC*
Colloquium at the Kavli Institute for Theoretical Physics, Beijing, China, July 18, 2016.
145. *Physics Motivations for Future Colliders*
Colloquium at the *Integrable System Summer School*, Northwest University, Xi'An, China, July 29, 2016.
146. *Electroweak splitting functions and high energy showers*
Seminar at the University of Texas-Austin, Oct. 11, 2016.
147. *Physics Motivations for Future Colliders*
Colloquium at the University of Texas-Austin, Oct. 12, 2016.
148. *Physics Motivations for Future Colliders*
Colloquium at the Case Western University, Nov. 3, 2016.
149. *Electroweak splitting functions and high energy showers*
Seminar at the Case Western University, Nov. 4, 2016.
- 2017:
150. *Unblinding the SUSY dark matter blind spots*
Seminar at the Lawrence Berkeley National Lab., April 13, 2017.
151. *Electroweak splitting functions and high energy showers*
Seminar at the Stanford Linear Accelerator National Lab., April 14, 2017.
152. *The Higgs Boson and Beyond*
Colloquium at Fudan University, China, May 17, 2017.
153. *Physics Motivations for Future Colliders*
Colloquium at the Harbin Institute of Technology, May 19, 2017.
154. *Unblinding the SUSY DM Blind Spots*
Seminar at the Experimental Physics Division, IHEP, Beijing, July 20, 2017.
155. *Physics Motivations for Future Colliders*
Joint Theory-Experiment Seminar, Cornell University, Oct. 6, 2017.
156. *Under the Higgs Lamppost: Physics Motivations for Future Colliders*
Colloquium at the *LHC Chapter II*, International Institute of Physics, Natal, Brazil, Nov. 16, 2017.
- 2018:
157. *Physics Motivations for Future Colliders*
Colloquium at the Ohio State University, Columbus, Feb. 6, 2018.
158. *Physics Motivations for Future Colliders*
Colloquium at the University of Cincinnati, Cincinnati, Feb. 8, 2018.
159. *Electroweak Sector at High Energies*
Seminar at the BSM Forum, CERN Theory Department, CERN, March 15, 2018.
160. *Higgs Physics at High Scales*
Seminar at the University of Wisconsin, Madison, April 3, 2018.

161. *Physics Potential of the LHC Upgrades*
Wine and Cheese Seminar at Fermilab (also as the concluding talk at the *HL-LHC/HE-LHC Workshop*), April 6, 2018.
162. *The Higgs Boson and Beyond*
Tiench-Tea seminar at the ITP, University of Heidelberg, July 19, 2018.
163. *Future of High Energy Physics – Under the Higgs Lamppost*
Colloquium at the University of Pittsburgh, Sept. 10, 2018.
164. *Higgs Physics at High Scales*
Seminar at the University of Toronto, Canada, Oct. 19,
- 2019:
165. *Higgs Physics at High Scales*
Joint seminar at the JHU/UMD, Baltimore, Jan. 30, 2019.
166. *Higgs Physics at High Scales*
Seminar at the University of Pennsylvania, Philadelphia, Feb. 11, 2019.
167. *The Quest for Nature – Fifty Years of Discoveries in HEP*
Colloquium at Nanjing Normal University, April 22, 2019.
168. *High Energy Physics under the Higgs Boson Lamppost*
Colloquium at ITP, Chinese Academy of Sciences, Beijing, April 26, 2019.
169. *Quest for Nature: Fifty Years of Discoveries in HEP*
Colloquium at Beihang University, Beijing, June 21, 2019.
170. *Prospects on Future Colliders*
Colloquium at ShanDong University, Jinan, June 24, 2019.
171. *Quest for Nature: Fifty Years of Discoveries in HEP*
Colloquium at Shanghai Jiao Tong University, Shanghai, June 26, 2019.
172. *On the way to discoveries – Outstanding problems in particle physics and motivation for next generation experiments*
Cordon Research Seminar at the *Gordon Research Conference*, Hong Kong University of Science and Technology, Hong Kong, June 29, 2019.
173. *Quest for Nature: Fifty Years of Discoveries in HEP*
Colloquium at the California State University-Fresno, Aug. 23, 2019.
- 2020:
174. *High-Energy Physics Under the Higgs Lamppost*
Colloquium at the University of Michigan, Feb. 26, 2020.
175. *Quest for Mass*
Colloquium (on-line virtual) at Xin-Jiang University, China, Aug. 24, 2020.
176. *Testing Seesaw Model: From meson Decays to Colliders*
Seminar (on-line virtual) at Tsinghua University, China, Sept. 23, 2020.
177. *Physics Potential for Muon Colliders*
Seminar at Pitt PACC, Oct. 1, 2020.

178. *Quest for Mass*
Colloquium (on-line virtual) at the TD Lee Institute, Shanghai Jiao-Tong University, China, Oct. 19, 2020.

2021:

179. *EW Physics at Very High Energies – A Multi-TeV Muon Collider as a Case Study*
Seminar at Michigan State University, Feb. 16, 2021.

180. *EW Physics at Very High Energies*
Seminar at the University of Wuerzburg, Germany, May 6, 2021.

181. *Physics Motivations for Future Colliders*
Colloquium (on-line virtual) at University of California - Santa Barbara, Oct. 26, 2021.

182. *Physics Motivations for Future Colliders*
Colloquium (on-line virtual) at University of Kentucky, Oct. 29, 2021.

183. *Physics Motivations for Future Colliders*
Colloquium at University of Virginia, Nov. 12, 2021.

2022:

184. *EW Physics at Very High Energies – A Multi-TeV Muon Collider as a Case Study*
Seminar at the University of Kansas, April 1, 2022.

185. *Physics Opportunities for Muon Colliders*
Colloquium at DESY, Germany, April 19, 2022.

186. *Physics Motivations for Future Colliders*
Colloquium at Northwestern University, Chicago, April 22, 2022.

187. *The Higgs boson: The past, present and future*
Distinguished colloquium at Peking University (virtual), July 27, 2022.

2023:

188. *“Who Ordered That?” Muons for new physics*
Colloquium at University of Tennessee, Knoxville, Feb. 6, 2023.

189. *BSN ν -physics at neutrino facilities*
Seminar at Oak Ridge National Laboratory, Feb. 7, 2023.

190. *High energy physics under the Higgs lamppost*
Seminar at ICEPP, the University of Tokyo, Feb. 20, 2023.

191. *Higgs couplings to fermions*
Seminar at the Johns Hopkin University, April 11, 2023.

192. *EW physics at very high energies – A multi-TeV muon collider as a case study*
Joint seminar at UMD-JHU, April 13, 2023.

193. *EW physics at very high energies – A multi-TeV muon collider as a case study*
Seminar at University of Minnesota, April 14, 2023.

2024:

194. *The dance of the muon continues*, Seminar at Pitt PACC, Feb. 27, 2024.
195. *Roadmap of particle physics in the next decade*
Colloquium at Nanjing Normal University, March 12, 2024 (remote).
196. “*Who Ordered That?*” *The dance of the muons*
Colloquium at University of Massachusetts-Amherst, March 13, 2024.
197. *Electroweak Physics at Very High Energies: A Multi-TeV Muon Collider as a Case Study*
Seminar at UC-Davis, California, April 2, 2024.
198. “*Who Ordered That?*”
Colloquium at the University of Bologna, Italy, June 4, 2024.
199. “*Who Ordered That?*”
Colloquium at the Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing, China, July 15, 2024.
200. *Standard Model and Beyond: The lessons, puzzles, and way forward*
Seminar at TsingHua University, Beijing, China, July 18, 2024.
201. *Electroweak Physics at Very High Energies: A Multi-TeV Muon Collider as a Case Study*
Seminar at the University of Cambridge, UK, Oct. 4, 2024.
202. *Quantum Tomography at Colliders: With or Without Decays*
Seminar at CERN for ATLAS Collaboration, Oct. 15, 2024.
- 2025:
203. *Electroweak Symmetry Restoration at High Energies*
Group seminar at Pitt PACC, March 26, 2025.
204. “*Who Ordered That? The Dance of the Muon*”
Colloquium at the Center for Particle Physics Phenomenology, UCLouvain, April 15, 2025.
205. *High Energy Physics Under the Higgs Lamppost*
Colloquium at the Colorado State University, Ft. Collins, April 28, 2025.
206. *Electroweak Symmetry Restoration at High Energies*
Seminar at the University of Wisconsin-Madison, May 2, 2025.
207. *Centennial Celebration: QM, QFT & More*
Colloquium at the University of Siegen, Germany, June 25, 2025.
208. *Electroweak Symmetry Restoration at High Energies*
Seminar at HeBei University, Baoding, China, July 24, 2025.
209. *Quantum Tomography at Colliders*
Seminar at the Institute Ruder Boskovic, Zagreb, Croatia, Sept. 26, 2025.
210. *Centennial Celebration: QM, QFT & More*
Colloquium at the Brookhaven National Lab, Long Island, Oct. 22, 2025.

211. *Centennial Celebration: QM, QFT & More*
Colloquium at the University of Notre Dame, South Bend, Indiana, Dec. 3, 2025.

(6). Invited Lectures

1996:

1. *Electroweak Symmetry Breaking Physics at Colliders*
One-week lectures at the China Center of Advanced Science and Technology (CCAST), Beijing, July 22-26, 1996.

1997:

2. *Physics Potential for $\mu^+\mu^-$ Colliders*
Two-lecture series at Fermilab, April, 1997.

1999:

3. *Physics Potential at Muon Colliders*
At the X JORGE ANDRE SWIECA SUMMER SCHOOL, Aguas de Lindoia, Brazil, Feb. 6–12, 1999.
4. *Physics with Large Extra Dimensions*
At the X JORGE ANDRE SWIECA SUMMER SCHOOL, Aguas de Lindoia, Brazil, Feb. 6–12, 1999.
5. *Physics at Future Linear Colliders*
One-week lectures at the China Center of Advanced Science and Technology (CCAST), Beijing, July 5–9, 1999.

2000:

6. *Physics at the CERN Large Hadron Collider*
One-week lectures at the China Center of Advanced Science and Technology (CCAST) and the Institute of Theoretical Physics, Beijing, Dec. 17–23, 2000.

2001:

7. *Physics beyond the Electroweak Scale*
one-week lectures at the China Center of Advanced Science and Technology (CCAST), Beijing, July 30–Aug. 3, 2001.

2004:

8. *Collider Phenomenology: Dynamics and Kinematics*
Four-lecture series at TASI 2004, Boulder, Colorado, June 9–13, 2004.
9. *Physics Beyond the Standard Model*
At the CTEQ Summer School 2004, June 27, Madison, Wisconsin.
10. *Workshop on Frontier Physics of Cosmology/Large Hadron Collider*
Three-lecture series at the China Center of Advanced Science and Technology (CCAST) and the Institute of Theoretical Physics, Beijing, July 2–10, 2004.

2005:

9. *Electroweak Physics without SUSY*
Two lectures at the University of Bonn, April 19–20, Bonn, Germany.
10. *Physics Beyond the Standard Model*
At the CTEQ Summer School 2005, May 26, Puebla, Mexico.
11. *Physics at e^+e^- Linear Colliders*
One-week lectures at Tsing-Hua University, Beijing, China, July 15–20, 2005.

2006:

12. *Physics at Hadron Colliders: From kinematics to dynamics*
Three-hour lectures at CERN LHC Olympics, Feb. 9–10, 2006.
13. *TeV-scale Physics: The next two decades*
Invited panel presentation at the National Science Foundation of China Forum (*Fragrant Hill Forum*), Feb. 22, 2006, Beijing.
14. *Collider Physics: Basic knowledge and Techniques*
One-week lectures at Tsing-Hua University, Beijing, China, July 26–30, 2006.
15. *Pythia Tutorial*
lecture at the Aspen 2006 workshop, *Particle Theory in the Anticipation of the LHC*, Aspen, Colorado, August 11, 2006.
16. *Collider Phenomenology: Dynamics and Kinematics*
Five-lecture series at the Asian School of Particle, String and Cosmology, Laforet Nasu, Japan, Sept.25–29, 2006.
17. *Collider Phenomenology: From Kinematics to Dynamics*
Four-lecture series at the National School of LHC Physics, The Weizmann Institute and Technion, Israel, Nov.12–17, 2006.

2007:

18. *The Search for New Physics at Colliders*
Three-lecture series at the *The International Summer School of CSPIN*, The Graduate School of Chinese Academy of Sciences, Beijing, China, June 18–20, 2007.
19. *Collider Physics and New Physics Signals*
Three-lecture series at the *The Summer School of Particle Physics, Strings, and Cosmology*, The Perimeter Institute of Theoretical Physics, Canada, Aug. 6–18, 2007.

2008:

20. *Collider Physics and New Physics Searches*
Three-lecture series at the *The Summer School of Particle, Strings and Cosmology*, The Sheffield University, United Kingdom, July 1–3, 2008.
21. *Collider Physics and New Physics Searches*
Twelve-hour series at the Harbin Institute of Technology, China, Oct. 14–30, 2008.

2009:

22. *Lectures on Collider Physics and New Physics Searches*
Four-hour series at the *Summer School on Particle Physics in the LHC Era*, The Abdus Salam International Center for Theoretical Physics, Trieste, Italy, June 15–26, 2009.
23. *Lectures on Collider Physics*
Five-hour series at the *BUSSTEPP (British Univ. Summer-School on Theo. Elementary Particle Physics)*, The University of Liverpool, United Kingdom, Aug. 24–Sept. 4, 2009.
- 2010:
24. *Lectures on Collider Physics*
Three-hour series at the *LHC Physics Summer School*, TsingHua University, Beijing, China, Aug. 16–21, 2010.
25. *Lectures on Collider Physics*
Five-hour series at the *BUSSTEPP (British Univ. Summer-School on Theo. Elementary Particle Physics)*,
The University of Swansea, United Kingdom, Sept. 2–6, 2010.
- 2011:
26. *Collider Phenomenology at the LHC*
Three-hour series at the *Particle Physics Phenomenology Workshop IX*, National Central University, Taiwan, June 3–6, 2011.
- 2012:
27. *The Quest for Mass*
Zhong-Shan Distinguished Lecture at Nanjing University, China, April 12, 2012.
28. *The Quest for Mass: From Sub-atomic to the Universe*
Public Lecture at the Allegheny Observatory, University of Pittsburgh, May 18, 2012.
29. *Selected Topics for Searching for New Physics at the LHC*
Three-hour series at Nankai University, Tianjin, China, Aug. 8–9, 2012.
30. *Higgs Physics: Theory*
Three-hour series at the German Physical Society School of Physics, Bad Honnef, Germany, Sept. 16–21, 2012.
- 2013:
31. *Higgsiology: Higgs Theory and Practics*
Five-hour lecture series at the “*Sangam at HRI: Instructional Workshop in Particle Physics*”, Harris-Chandra Research Institute, Allahabad, India, March 25–30, 2013.
32. *Lectures on Collider Physics*
Three-hour series at the *BCVSPIN*, ZheJiang University, HangZhou, China, June 7–14, 2013.

33. *Collider Physics and the Higgs Boson*
 Twelve-hour Mini course at KIAS (Korea Institute for Advanced Study), June 17–21, 2013.
- 2014:
34. *The Higgsology*
 Four-lecture series at TASI 2014, Boulder, Colorado, June 17–20, 2014.
- 2015:
35. *Collider Physics: From Basic Knowledge to New Physics Searches*
 Three-hour lectures at the Chinese HEP Summer School (UCAS), July 27–31, 2015.
36. *The Standard Model of Electroweak & Strong Interactions*
 Four-hour lectures at iSTEP, ShanDong University, China, Aug. 12–13, 2015.
37. *The Tests of See-saw at the LHC*
 Lecture at the SLAC Summer Institute 2015, SLAC, Aug. 19, 2015.
38. *Collider Physics in the LHC Era and Beyond*
 Two-hour lectures at the Pre-SUSY Symposium, UC-Davis, Aug. 20–22, 2015.
39. *The Path to Discovery in High Energy Physics*
 Inaugural Lecture for Distinguished Professor of High Energy Physics, Dietrich School of Arts and Sciences, Sept. 10, 2015.
- 2016:
40. *The Standard Model of Electroweak & Strong Interactions*
 Four-hour lectures at *International Schools for Theoretical & Experimental Physics* (iSTEP), Tsinghua University, China, July 12–13, 2016.
41. *High Energy Physics: the Past, the Present, and the Future*
 Five-hour lectures for *2016 Summer School for Outstanding Undergraduate Students*, Tsinghua University, China, July 19–20, 2016.
- 2017:
42. “*Physics Cafe and Lecture*”, Aspen Center for Physics, Aspen, Colorado, March 22, 2017.
43. *The Standard Model & Beyond*
 Four-hour lectures at *International Schools for Theoretical & Experimental Physics* (iSTEP), Shanghai Jiao-Tong University, China, June 28–30, 2017.
44. *Brief History of Particle Physics*
 Public lecture at *International Schools for Theoretical & Experimental Physics* (iSTEP), Shanghai Jiao-Tong University, China, June 30, 2017.
45. *Phenomenology and Collider Physics*
 Nine-hour lectures at *2017 Summer School for Contemporary Particle Physics*, University of Chinese Academy of Science, Beijing, China, July 17–21, 2017.

46. *The Quest for Mass*
Public Lecture at the Kavli Institute for Theoretical Sciences, Beijing, Sept. 28, 2017.
- 2018:
47. *Collider Physics*
Three-hour lectures at the 5th Chilean School of High Energy Physics, Valparaiso, Jan. 15-19, 2018.
48. *The Higgs Boson and Beyond*
Lecture at the 2018 CTEQ Summer School, University of Puerto Rico-Mayaguez, June 27, 2018.
49. *Collider Physics*
Four-hour lectures at the Mainz summer school, Mainz Institute of Theoretical Physics, July 16–19, 2018.
50. *Collider Physics*
Three-hour lectures at the XinJiang-IMP HEP Summer School, Lanzhou University, Aug. 2–3, 2018.
- 2019:
51. *The Quest for Nature – Fifty Years of Discoveries in HEP*
Public Lecture at IAS, Hong Kong University of Science and Technology, Jan. 22, 2019.
52. *The Quest for Nature – Fifty Years of Discoveries in HEP*
The 22nd Centennial Lecture at Peking University, April 25, 2019.
53. *Quest for Nature: Fifty years of Discoveries in HEP*
Guest lecture at the Centennial Anniversary of Nankai University, Tianjin, June 17, 2019.
54. *Majorana Neutrinos: From mesons to the LHC*
Lecture at the SLAC Summer Institute 2019, SLAC, Aug. 21, 2019.
55. *Physics Beyond the Standard Model: Under the Higgs Lamppost*
Three-hour lectures at the *ITP-KIT Retreat*, Hohenwart, Germany, Sept. 25–27, 2019.
- 2020:
56. *Fifty Years of Discoveries in High-Energy Physics*
Public Lecture (virtual on-line) at the 6th *All-China LHC Physics Conference*, Tsinghua University, Beijing, Nov. 6, 2020.
- 2021:
57. *The Standard Model of Electroweak and Strong Interactions*
Two-hour Lectures (virtual on-line) at the *Pre-SUSY 2021 Conference*, CAS-ITP, Beijing, August 17, 2021.
- 2024:

58. *BSM ν Physics at Colliders*

One hour lecture at the 15th *International Neutrino Summer School, University of Bologna, Italy, June 7, 2024.*

2025:

59. *Physics Beyond the Standard Model: Under the Higgs Lamppost*

Four-hour lectures at the *Herbstschule of High-Energy Physics 2025, formerly Maria-Laach Autumn School, Bad Honnef, Germany, Sept. 8–11, 2025.*

(7). Conferences And Workshops Attended

1987:

May 1987: *From Colliders to Supercolliders*, UW-Madison, Wisconsin

1988:

July 1988: *High Energy Physics in the 1990's*, Snowmass, Colorado

Nov. 1988: *Beyond the Standard Model*, Iowa State University, Ames, Iowa

1989:

Feb. 1989: *2nd International Symposium on the 4th Family of Quarks and Leptons*, Santa Monica, California

June 1989: *Collider Phenomenology*, Argonne National Laboratory

June 1989: *Heavy Quark Physics*, Cornell University, Ithaca, New York

Aug. 1989: *Physics at Fermilab in the 1990's*, Breckenridge, Colorado

1990:

Feb. 1990: *B Physics at Fixed Target Experiments*, Fermi National Accelerator Laboratory

April 1990: *Z Phenomenology Symposium*, UW-Madison, Wisconsin

June 1990: *High Energy Physics in the 1990's*, Snowmass, Colorado

1991:

Feb. 1991: *SSC Physics Symposium*, UW-Madison, Wisconsin

July 1991: *Higgs/Electroweak Symmetry Breaking Workshop*, UC-Davis, California

Aug. 1991: *APS/DPF 1991 Meeting*, Vancouver, Canada

Nov. 1991: *Many Aspects of Neutrino Physics*, Fermilab

1992:

April 1992: *SSC Physics Symposium*, UW-Madison, Wisconsin

Aug. 1992: *XXVI International Conference on High Energy Physics*, Dallas, Texas

Nov. 1992: *High Energy Physics with Colliding Beams II, Studies of Top Quarks*, Madison, Wisconsin

Nov. 12-14, 1992: *APS/DPF 1992 Meeting*, Fermilab, Illinois

Dec. 11-12, 1992: *High Energy Physics with Colliding Beams III, Electroweak Symmetry Breaking*, Santa Cruz, California

1993:

March 29-31, 1993: *SSC Physics Symposium*, UW-Madison, Wisconsin

April 26-30, 1993: *2nd International Workshop on Physics and Experiments with Linear e^+e^- Colliders Program*, Hawaii

May 21-22, 1993: *Tutorial Meeting on Structure Functions and Related QCD Issues*, UC-Davis, California

June 3-5, 1993: *Workshop on Physics at Current Accelerators and the Supercollider*, Argonne National Laboratory, Illinois

Aug. 10-15, 1993: *Lepton and Photon Interactions: XVI International Symposium*, Ithaca, New York

1994:

Feb. 2-4, 1994: *Meeting of the CMS Collaboration*, UCLA, California

Feb. 25, 1994: *Workshop on Electroweak Symmetry Breaking and TeV-Scale Physics*, UC-Santa Barbara, California

March 28-31, 1994: *Workshop on Gamma-Gamma Colliders*, Lawrence Berkeley Laboratory, California

April 11-13, 1994: *Physics Doesn't Stop: Recent Developments in Phenomenology*, UW-Madison, Wisconsin

Aug. 1-7, 1994: *APS/DPF 1994 Meeting*, Univ. of New Mexico, Albuquerque, New Mexico

Nov. 17-19, 1994: *Physics Potential and Development of $\mu^+\mu^-$ Colliders*, Sausalito, California

Dec. 13-18, 1994: *Beyond the Standard Model IV*, Granlibakken, Lake Tahoe, California

1995:

Feb. 1-3, 1995: *International Symposium on Vector Boson Self-Interactions*, UCLA, California

Feb. 6-8, 1995: *Topics in Particle Physics with CMS*, UCLA, California

May 25-26, 1995: *Workshop on Particle Theory and Phenomenology*, Iowa State University, Ames, Iowa

June 21-23, 1995: *Study Group Meeting on Future e^+e^- Collider physics*, Estes Park, Colorado

Aug. 4-9, 1995: *1st Joint Meeting of the Chinese Physical Societies*, Shantou University, Guangdong, China

Aug. 10-15, 1995: *Lepton and Photon Interactions: XVII International Symposium*, Beijing, China

Sept. 25-29, 1995: *CMS Week*, Granlibakken, Lake Tahoe, California

Nov. 16-18, 1995: *Physics with High Energy e^+e^- Colliders*, Fermilab, Batavia, Illinois

Dec. 13-16, 1995: *3rd International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, California

1996:

Feb.29-Mar.2, 1996: *Physics With High Energy e^+e^- Colliders*, SLAC, California

March 28-30, 1996: *High Energy Physics at the LHC*, Fermilab, Batavia, Illinois

April 1-3, 1996: *Pheno 96: Recent Developments in Phenomenology*, Madison, Wisconsin

June 25-July 12, '96: *New Directions for High Energy Physics*, Snowmass, Colorado

July 22-27, 1996: *TeV Scale Physics*, CCAST, Beijing, China

Dec. 8-13, 1996: *The Higgs Puzzle*, Ringberg Castle, Munich, Germany

1997:

Feb. 19-21, 1997: *Flavor Changing Neutral currents '97*, Santa Monica, California

Mar. 13-15, 1997: *Very-Large-Hadron-Collider Workshop*, Fermilab, Batavia, Illinois

Mar. 17-19, 1997 *Recent Developments in Phenomenology-97*, Madison, Wisconsin

April 29-May 4, 1997: *Beyond the SM - V*, Balholm, Norway

Aug. 4-23, 1997: *Workshop on LEP-2 and Tevatron Physics*, Aspen Center for Physics, Aspen, Colorado

Sept. 22-24, 1997: *Workshop for Physics at e^-e^- Colliders*, UC-Santa Cruz, California

Oct. 31-Nov. 2, 1997: *Pacific Particle Physics Phenomenology*, Seoul, Korea

Nov. 6-9, 1997: *Physics at the First Muon Collider and at the Front End of the Muon Collider*, Fermilab, Batavia, Illinois

Dec. 10-12, 1997: *the 4th International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, California

1998:

March 5, 1998: *MSSM/SUGRA Working Group meeting for Physics at the Tevatron Run II Workshop*, Fermilab, Batavia, Illinois

March 20-22, 1998: *Supersymmetry/Higgs Working Group meeting for Physics at the Tevatron Run II Workshop*, Fermilab, Batavia, Illinois

March 23-25, 1998: *Pheno-CTEQ Joint Symposium*, UW-Madison, Wisconsin

May 14-16, 1998: *Supersymmetry/Higgs Working Group meeting for Physics at the Tevatron Run II Workshop*, Fermilab, Batavia, Illinois

July 6-18, 1998: *Workshop on Strong Dynamics*, Aspen Center for Physics, Aspen, Colorado

July 23-29, 1998: *The 29th International Conference on High-Energy Physics (ICHEP 98)*, Vancouver, Canada

Sept. 26-29, 1998: *Workshop on Physics and Detectors for Future e^+e^- Linear Colliders*, Keystone, Colorado

Oct. 16-18, 1998: *Thinkshop: Top-quark Physics at Tevatron Run-II*, Fermilab, Illinois

1999:

January 17-23, 1999: *1999 Aspen Winter Conference on Particle Physics*, Aspen, Colorado

Feb. 6-12, 1999: *Xth JORGE ANDRE SWIECA SUMMER SCHOOL*, Aguas de Lindoia, Brazil

April 12-14, 1999: *Pheno 99: Phenomenology for the Third Millennium*, UW-Madison, Wisconsin

April 28-May 5, 1999: *4th Workshop on Linear Collider Physics*, Sitges, Barcelona, Spain

June 14-19, 1999: *SUSY99: 7th International Conference on Supersymmetries in Physics* Fermilab, Illinois

June 28-30, 1999: *1th Annual Meeting of the Very Large Hadron Collider*, Monterey, California

July 5 - 9, 1999: *Workshop for Physics at Future Linear Colliders*, the China Center of Advanced Science and Technology (CCAST), Beijing, China

Dec. 10-16, 1999: *PASCOS 99*, Granlibakken Conference Center, Tahoe city, California

Dec. 15-17, 1999: *5th International Conference on Physics Potential and Development of $\mu^+\mu^-$ Colliders*, San Francisco, California

2000:

Mar. 13-18, 2000: *XXXV Rencontres de Moriond, Electroweak Interactions and Unified Theories*, Les Arcs, France

Apr. 24-May 12, 2000: *Theoretical Institute on SUSY and Higgs 2000*, Argonne National Lab, Argonne, Illinois

June 26-July 1, 2000: *SUSY2K: 8th International Conference on Supersymmetries in Physics*, CERN, Geneva, Switzerland

July 3-6, 2000: *Beyond4D: Conference on Physics Beyond Four Dimensions*, ICTP, Trieste, Italy

Aug. 21-Sept.3, 2000: *Workshop on New Physics at the Weak Scale and Beyond*, Aspen Center for Physics, Aspen, Colorado

Sept. 18-20, 2000: *Identification of Dark Matter 2000*, York, England

Sept. 20-22, 2000: *European Heavy Flavor Workshop*, University of Durham, England

Oct. 13-15, 2000: *International Symposium: SUSY 30 Years*, University of Minnesota

Oct. 24-28, 2000: *International Linear Collider workshop 2000*, Fermilab, Illinois

Dec. 17-23, 2000: *Workshop on the CERN Large Hadron collider*, the China Center of Advanced Science and Technology (CCAST), and the Institute of Theoretical Physics (ITP), Beijing, China

2001:

May 3-5, 2001: *Higgs Physics Workshop*, Fermilab, Illinois

May 7-9, 2001: *Pheno Symposium 2001*, Madison, Wisconsin

June 11-17, 2001: *International Symposium on SUSY, 2001*, Dubna, Russia

June 30-Jul.21, 2001: *DPF Snowmass Workshop*, Snowmass, Colorado

Jul.30-Aug.3, 2001: *Workshop on TeV Scale Physics*, the China Center of Advanced Science and Technology (CCAST), Beijing, China

2002:

Jan. 7-9, 2002: *US Linear Collider workshop*, University of Chicago

Jan. 11-13, 2002: *The Peccei Fest*, University of California, Los Angeles

April 22-24, 2002: *Pheno Symposium 2002*, Madison, Wisconsin

May 24-28, 2002: *APS/DPF 2002 Meeting*, Coll. William & Mary, Williamsburg, Virginia

June 17-23, 2002: *International Symposium on SUSY, 2002*, DESY, Hamburg

July 6-11, 2002: *The 1st String Phenomenology conference*, Oxford University, England

2003:

Jan. 9-11, 2003: *American Linear Collider Workshop*, The University of Texas–Arlington, Texas

Jan. 20-24, 2003: *Aspen Winter Conference*, Aspen Center for Physics, Colorado

March 17-18, 2003: *Physics at Future Colliders*, Kyoto, Japan

Mar.31-Apr.18, 2003: *Neutrino Physics Workshop*, The University of California–Santa Barbara.

May 5-7, 2003: *Pheno Symposium 2003*, Madison, Wisconsin

May 19-24, 2003: *Conference on Interface of Particle, Astrophysics and Nuclear Physics*, Manhattan, New York

July 20-Aug.2, 2003: *Aspen Summer workshop on Flavor Physics*, Aspen, Colorado

Oct. 6-11, 2003: *International Conference on Flavor Physics*, Seoul, Korea

Oct. 16-18, 2003: *International Workshop on Future Hadron Colliders*, Fermilab, Chicago

2004:

Jan. 7-11, 2004: *Conference on Interplay of High Energy Physics, Nuclear Physics, and Cosmology*, Harbin, P.R. China

Jan. 13-15, 2004: *International workshop on τ and charm Physics*, Beijing, P.R. China

May 2-4, 2004: *Pheno Symposium 2004*, Madison, Wisconsin

June 19-23, 2004: *SUSY2004*, Tsukuba, Japan

June 15-28, 2004: *Physics Beyond the Standard Model*, Puebla, Mexico

July 5-9, 2004: *the International Conference on Frontier Physics*, Beijing, P.R. China

Sept. 16-18, 2004: *The 1st Meeting for TeV₄LHC Workshop*, Fermilab

Dec. 14, 2004: *TeV₄LHC Higgs working group meeting*, Fermilab

2005:

Feb. 3-5, 2005: *The 2nd Meeting for TeV₄LHC*, Brookhaven National Lab.

April 28-30, 2005: *The 3rd Meeting for TeV₄LHC*, CERN

April 27-31, 2005: *DIS 2005: XIII International Workshop on DIS*, Madison, Wisconsin

May 2-4, 2005: *Pheno Symposium 2005*, Madison, Wisconsin

May 14-27, 2005: *Physics Beyond the Standard Model*, Puebla, Mexico

July 15-20, 2005: *Physics at e^+e^- Linear Colliders*, Beijing, China

Aug.15-Aug.28, 2005: *Workshop on International Linear Collider*, Snowmass, Caolorado

Aug.15-Sept.9, 2005: *Workshop on Collider Physics*, Aspen, Caolorado

Oct.20-22, 2005: *TeV₄LHC Concluding Meeting*, Fermilab

2006:

Feb. 9-10, 2006: *LHC Olympics*, CERN.

April 12-15, 2006: *LHC Inverse Problem Workshop*, Ann Arbor, Michigan.

May 8, 2006: *The Langacker Fest*, The University of Pennsylvania, Philadelphia.

May 9-10, 2006: *Argonne/U. Chicago Collider Workshop*, Argonne National Lab.

May 15-17, 2006: *Pheno Symposium 2006*, Madison, Wisconsin

June 12-17, 2006: *SUSY-06*, University of California-Irvine.

July 31-August 26, 2006: Aspen 2006 summer workshop, *Particle Theory in the Anticipation of the LHC*, Aspen, Colorado.

Sept.25-29, 2006: *Asian School of Particle, String and Cosmology*, Nasu, Japan.

Nov.12-16, 2006: *National School of LHC Physics*, Weizmann InstitutNasu,e and Technion, Israel.

Dec.4-7, 2006: *International Linear Collider: Physics Opportunities*, Fragrant Hill, Beijing, China

2007:

Jan.19-20, 2007: *The Kane Fest*, The University of Michigan, Ann Arbor.

Feb.4-8, 2007: *ACFA and ILC GDE Joint Workshop*, IHEP, Beijing, China.

March 21-23, 2007: *Princeton Joint LHC Workshop*, Princeton University.

April 12-14, 2007: *it The Early Phase of the LHC for the ILC*, Fermilab.

May 7-9, 2007: *Pheno Symposium 2007: Prelude to the LHC*, Madison, Wisconsin
May 26, 2007: *International Conference on Frontier Physics*, KITP-C, Beijing, China.
Oct. 20, 2007: *Neutrino masses and the TeV scale physics*, Triumph, Canada.

2008:

Feb.18-April 18, 2008: *Workshop on Physics of the LHC*, KITP, Santa Barbara.
April 28-30, 2008: *Pheno Symposium 2008: LHC Turns On*, Madison, Wisconsin
July 8-12, 2008: *Wei-Hai Forum*, Wei-Hai, China.
July 14-25, 2008: *Workshop on BSM and Flavor physics*, KITPC, China.
Oct. 20-25, 2008: *Conference on Going beyond the SM, Marching into the LHC era*, KITPC, China.

2009:

Feb. 8-14, 2009: *LHC to Future Colliders*, CERN, Geneva.
March 9-14, 2009: *Yukawa Symposium*, YITP, Kyoto University, Japan.
March 16-20, 2009: *LHC Focus Week: Mass and Spin Measurements*, IPMU, Tokyo University, Japan.
April 1-4, 2009: *UC-Davis Workshops on Mass and Spin Measurements and MC4BSM*, UC-Davis, California.
May 11-13, 2009: *Pheno Symposium 2009: LHC Alive!* Madison, Wisconsin.
May 18-22, 2009: *Particle Physics and Cosmology 09*, Univ. of Oklahoma, Norman.
June 2-4, 2009: *Beyond the Standard Model at the LHC-2009*, Northeastern University, Boston.
July 22-25, 2009: *Innovative Team Meeting*, Shandong University, Wei-Hai, China.
Nov. 10-12, 2009: *Workshop on Physics, Detector and Accelerator at Muon Colliders*, Fermilab.
Dec. 14-15, 2009: *Quigg Fest*, in honor of Chris Quigg, Fermilab.

2010:

March 26-30, 2010: *International Linear Collider Workshop 2010*, Beijing, China.
May 13-15, 2010: *MCTP Spring Symposium on Higgs Boson Physics*, Ann Arbor, Michigan.
May 31-June 4, 2010: *The 3rd International Workshop on Top Physics: Top-2010*, Bruges, Belgium.
June 9-12, 2010: *GoranFest*, in honor of Goran Senjenovic, Split, Croatia.
June 27-July 11, 2010: *Workshop on The Dark Side of the Universe*, Aspen, Colorado.
Aug. 22-24, 2010: *New Physics at the LHC*, Tsinghua University, China.
Sept. 22-25, 2010: *SLAC Workshop on Topologies for Early LHC Searches*, Stanford National Linear Accelerator Lab., California.

Dec. 6-10, 2010: *Kruger 2012: Discovery Physics at the LHC*, Kruger National Park, South Africa,

2011:

Jan. 25-27, 2011: *LHC Symposium*, National Taiwan University, Taiwan.

Jan. 28-29, 2011: *Deep Underground Physics Workshop*, ChengDu/Jin-Ping Mountain, Si-Chuan University, China.

May 9-11, 2011: *Phenomenology 2011 Symposium*, University of Wisconsin, Madison.

May 12-14, 2011: *LoopFest X: Uli Baur Memorial*, Northwestern University.

June 1-3, 2011: *Shanghai Particle physics, Cosmology Workshop*, Shanghai JiaoTong University. China.

June 3-6, 2011: *Particle Physics Phenomenology Workshop IX*, National Central University, Taiwan.

June 27-29, 2011: *Workshop on Muon Collider Physics*, Telluride, Colorado.

June 26-July 9, 2011: *Workshop on Year one of the LHC*, Aspen, Colorado.

August 9-13, 2011: *APS/DPF Meeting*, Brown University, Providence, Rhode Island.

Sept. 22-24, 2011: *2011 International Workshop on Baryon and Lepton Number Violation*, Great Smokey Mountains, Gatlinburg, Tennessee.

Oct. 14-15, 2011: *Lattice Meets Experiments*, Fermilab, Illinois.

2012:

Feb. 22-25, 2012: *2012 Lake Louise Winter Institute*, Lake Louise, Alberta, Canada.

March 17-18, 2012: *The SEARCH Workshop 2012*, University of Maryland, College Park.

May 3-5, 2012: *Chicago 2012 Workshop on LHC Physics*, University of Chicago.

May 7-9, 2012: *Phenomenology 2012 Symposium: LHC Lights The Way*, University of Pittsburgh.

May 10-12, 2012: *LoopFest XI*, University of Pittsburgh.

May 14-16, 2012: *The Next Stretch of the Higgs Magnificent Mile*, Northwestern University/Argonne Lab, Chicago.

May 28-June 1, 2012: *Rencontres de Blois*, Blois, France.

June 3-9, 2012: *XXV International Conference on Neutrino Physics and Astrophysics (Neutrino 2012)* Kyoto, Japan.

June 18-July 6, 2012: *Workshop on The First Two Years at the LHC*, KITP-China, Beijing.

July 16-20, 2012: *CETUP* 2012*, Sanford Underground Research Facilities, South Dakota

July 22-Aug.4, 2012: *Workshop on the LHC Shows the Way*, Aspen, Colorado.

August 13-18, 2012: *The 20th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2012)*, Peking University, Beijing, China,

October 19-21, 2012: *PITT PACC Workshop: The Higgs Boson and the Next Discovery*, University of Pittsburgh.

November 12-14, 2012: *The 2012 TeV-Scale Physics Workshop*, Tsinghua University, Beijing, China.

November 14-16, 2012: *The ICFA beams dynamics workshop on Higgs Factories*, Fermilab.

Dec. 16-22, 2012: *Workshop on Higgs Physics at the LHC*, KITP, Santa Barbara.

2013:

Jan. 3-5, 2013: *Haber-Dine Fest*, Santa Cruze, California.

Jan. 14-15, 2013: *Higgs Snowmass Workshop at Princeton*, Princeton University

February 11-13, 2013: *PITT PACC Workshop: Beyond θ_{13}* , University of Pittsburgh.

March 8-10, 2013: *TAMU Workshop on Dark Matter*, Texas A&M University, College Station, Texas

April 22-26, 2013: *The LHC Higgs Signal: Characterization, Interpretation and BSM Model Implications*, University of California-Davis

May 6-8, 2013: *Phenomenology 2013 Symposium*, University of Pittsburgh.

June 13-14, 2013: *International Workshop on "RENO-50" toward Neutrino Mass Hierarchy*, Seoul National University, Korea

June 24-29, 2013: *The 26th International Symposium on Lepton Photon Interactions at High Energies*, SLAC, San Francisco, California.

July 7-17, 2013: *CTEQ Summer School*, University of Pittsburgh.

July 29-Aug. 6, 2013: *Snowmass on the Mississippi: Community Summer Study 2013*, University of Minnesota, Minneapolis.

Aug. 15-16, 2013: *International Symposium on Higgs Physics*, IHEP, Beijing, China.

Aug. 22-24, 2013: *The 8th TeV Physics Working Group Workshop*, Dalian, China.

Sept. 13-14, 2013: *Kickoff Meeting for the CEPC/SppC Program*, IHEP, Beijing, China

Sept. 30 - Oct. 2, 2013: *Workshop on the Anomalous Quartic Gauge Boson Couplings*, Dresden, Germany.

Oct. 3-5, 2013: *From Majorana to LHC*, ICTP, Trieste, Italy.

Nov. 11-12, 2013: *SM(at)New Energy Frontier*, FNAL, Illinois.

Nov. 18-19, 2013: *PITT PACC Workshop: Determining the Next Scale in High Energy Physics*, University of Pittsburgh.

Dec. 16-17, 2013: *Workshop on Future High Energy Circular Colliders*, Beijing, China.

2014:

Jan. 18-24, 2014: *Aspen Winter Conference 2014*, Aspen, Colorado.

Feb. 5-9, 2014: *ATLAS Exotic Physics Working Group Open Meeting*, Eilat, Israel.

Feb. 10-11, 2014: *VLHC Theory Kickoff Meeting*, CERN, Geneva, Switzerland.

Feb. 13-15, 2014: *CERN Future Circular Collider Kickoff Meeting*, Univ. of Geneva, Switzerland.

Feb. 23-25, 2014: *The 1st CFHEP Symposium on Circular Collider Physics*, IHEP, Beijing, China.

April 8 - 11, 2014: *SM(at)LHC, 2014*, Madrid, Spain.

May 5-7, 2014: *Phenomenology 2014 Symposium*, University of Pittsburgh.

Aug. 11-15, 2014: *The 2nd CFHEP Symposium on Circular Collider Physics*, IHEP, Beijing, China.

Sept. 8-10, 2014: *The Annual Conference of Chinese Physical Society*, Harbin Institute of Technology, Harbin, Heilongjiang Province, China.

Sept. 11-12, 2014: *Working Group Meeting for Circular e^+e^- Collider*, Shanghai Jiao-Tong University, Shanghai, China.

Dec. 15-17, 2014: *The UK Christmas Meeting*, IPPP, Durham, UK.

2015:

Jan. 3-11, 2015: *Future High Energy Physics*, IAS, Hong Kong University of Science and Technology.

Jan. 26-Feb. 1, 2015: *Exploring the Physics Frontier with Circular Colliders*, Aspen Center for Physics.

March 9-10, 2015: *Workshop on CEPC Precision Physics*, ITP, Beijing, China

March 25-26, 2015: *Key Aspects in Exploring Road to Unification: KAERU Conference*, IPMU, Japan.

March 27, 2015: *MadGraph Collaboration Meeting*, IPMU, Japan.

April 11-17, 2015: *APS April Meeting, Neutrino Session*, Baltimore, Maryland.

April 20-24, 2015: *MCTP Spring Higgs Symposium*, University of Michigan, Ann Arbor.

May 4-6, 2015: *Phenomenology 2015 Symposium*, University of Pittsburgh.

June 7-12, 2015: *Gordon Research Conference*, Hong Kong University of Science and Technology.

July 7-17, 2015: *CTEQ Summer School*, University of Pittsburgh.

July 27-31, 2015: *Chinese HEP Summer School*, University of Chinese Academy of Sciences.

Aug. 1-7, 2015: *Asian Summer Institute*, Huai-Rou campus at the University of Chinese Academy of Sciences.

Aug. 8-9, 2015: *The 10th Workshop for the Chinese TeV-Scale Physics working Group*, Huai-Rou campus at the University of Chinese Academy of Sciences.

Aug. 10-12, 2015: *DOE-IHEP Joint workshop on Physics of CEPC*, IHEP, Beijing, China.

Aug. 12-14, 2015: *International Summer School on TeV Experimental Physics (iSTEP)*, ShanDong University, China

Aug. 17-20, 2015: *SLAC Summer Institute on Neutrino Physics*, SLAC, Palo Alto, California.

Aug. 18-22, 2015: *pre-SUSY Symposium*, UC-Davis, Davis, California.

Aug. 31-Sept. 5: *Large Hadron Collider Conference*, St. Petersburg, Russia.

Oct. 7-9, 2015: *Brookhaven Forum 2015: Great Expectations, A New Chapter*, Brookhaven National Lab, Long Island, USA.

Oct. 22-23, 2015: *Annual Conference of Korean Physical Society*, GyeongJu, Korea.

Nov. 9-13, 2015: *KIAS-CFHEP Workshop and the 5th KIAS Workshop on Particle Physics and Cosmology*, KIAS, Seoul, Korea.

Dec. 9-12, 2015: *National Center for Theoretical Science Annual Theory Meeting*, National Tsinghua University, Taiwan.

2016:

Jan. 18-21, 2016: *IAS Program on High Energy Physics 2016*, Institute for Advanced Study, Hong Kong.

May 9-11, 2016: *Phenomenology 2016 Symposium*, University of Pittsburgh.

May 20, 2016: *CUNY Symposium on Quantum Fields*, New York City.

June 3, 2016: *Aus Anlass des 60. Geburtstages von Herrn Prof. Dr. Dieter Zeppenfeld*, Karlsruhe Institute of Technology, Germany.

June 5-18, 2016: *Multiple Faces for Naturalness*, Aspen, Colorado.

July 10-Aug. 6, 2016: *Workshop on Physics at the LHC Run 2 and International Conference on Frontiers of Science on "Quantum Cosmo-Physics"*, KITPC, Beijing, China.

July 12–13, 2016: *The Standard Model of Electroweak & Strong Interactions*, Tsinghua University, Beijing, China.

Aug. 15–19, 2016: *International Symposium on Higgs & Beyond*, Shandong University, Weihai, China.

Aug. 24–26, 2016: *Multiple Boson Interaction 2016*, Madison, Wisconsin.

Aug. 31–Sept. 2, 2016: *SEARCH 2016*, Oxford University, UK.

Oct. 16–18, 2016: *Search for new physics through the Higgs boson*, Gwangju, Korea.

Oct. 19–20, 2016: *Fragrant Hill Forum*, Fragrant Hill Hotel, Beijing, China.

Nov. 26–30, 2016: *Inauguration of T. D. Lee Institute*, Shanghai Jiao-Tong University, Shanghai, China.

Dec. 5–10, 2016: *National Center for Theoretical Science Annual Meeting*, National Tsinghua University, Taiwan.

2017:

March 19–25, 2017: *From the LHC to Dark Matter and Beyond*, Aspen Center for Physics, Aspen, Colorado.

March 27–31, 2017: *Neutrinos: the quest for a new physics scale*, CERN, Geneva.

April 5–7, 2017: *New physics interpretation for LHC data*, Argonne National Lab.

May 8–10, 2017: *Phenomenology 2017 Symposium*, University of Pittsburgh.

May 22–26, 2017: *Particle Physics and Cosmology 2017*, Texas A&M-Corpus Christi.

June 7, 2017: *Fermilab at 50*, Fermilab, Chicago.

June 12–20, 2017: *The TeV Scale: A Threshold to New Physics?*, MITP, Mainz, Germany.

June 21–23, 2017: *PASCOS 2017*, IFT, Madrid, Spain.

June 25–29, 2017: *Gordon Research Conference*, HKUST, Hong Kong.

June 29–July 1, 2017: *International Summer School on TeV Experimental Physics (iS-TEP)*, Shanghai Jiao-Tong University, China.

July 22–24, 2017: *The 12th Workshop for the Chinese TeV-Scale Physics working Group*, Zhengzhou, China.

Aug. 1–3, 2017: *National Center for Theoretical Science Annual Theory Meeting*, National Tsinghua University, Taiwan.

Aug. 10–11, 2017: *Summer school on neutrino physics*, Fermilab, USA.

Sept. 14–19, 2017: *Director inauguration and Dark Matter Workshop at T. D. Lee Institute*, Shanghai Jiao-Tong University, Shanghai, China.

Oct. 7–9, 2017: *HenryFest: HenryFest: Tying Particles and Strings to the Cosmos*, Cornell, Ithaca.

Oct. 20–22, 2017: *The Light Dark World*, workshop at PITT PACC, Pittsburgh.

Nov. 12–18, 2017: *LHC Chapter II: The Run for New Physics*, International Institute of Physics, Natal, Brazil.

2018:

Jan. 12, 2018: *The 5th Chilean School of High Energy Physics*, Universidad Tecnica Federico Santa Maria, Chile.

March 25–31, 2018: *2018 Aspen Winter Conference*, Aspen Center for Physics, Colorado.

April 6, 2018: *HL-LHC/HE-LHC Workshop*, Fermilab.

April 14–17, 2018: *American Physical Society April Meeting*, Columbus, Ohio.

May 7–9, 2018: *Phenomenology 2018 Symposium*, University of Pittsburgh.

May 22–26, 2018: *PLANCK 2018*, University of Bonn, Germany.

June 1–3, 2018: *SM at 50*, Case Western Reserve University, Cleveland.

June 4–7, 2018: *PASCOS 2018*, Case Western Reserve University, Cleveland.

Aug. 12–17, 2018: *Asian Summer Institute*, Panshan, Tianjin, China.

Aug. 18–20, 2018: *The 13th Workshop for the TeV-Scale Physics Working Group*, Tianjin, China.

Sept. 29–Oct. 4, 2018: *IPMU-IPPP Workshop, Beyond BSM*, Ikaho, Gumma prefecture, Tenbo Hotel, Japan.

Oct. 22–26, 2018: *International Linear Collider Workshop*, Arlington, Texas.

Nov. 4–10, 2018: *Neutrino Theory Network Workshop*, Pitt PACC, Pittsburgh.

Nov. 26–29, 2018: *Higgs Couplings 2018*, Ryogoku Tokyo, Japan.

2019:

Jan. 9–14, 2019: *DCPIHEP 2019 Workshop*, Comala, Colima, Mexico.

Jan. 19–24, 2019: *Workshop on Physics for Future Colliders*, Hong Kong University of Science and Technology.

Jan. 21–22, 2019: APS Leadership Convocation, Washington DC.

Feb. 2–March 2, 2019: *Workshop BSM Circa 2020*, Pitt PACC, Pittsburgh.

March 24–30, 2019: *2019 Aspen Winter Conference*, Aspen Center for Physics, Colorado.

April 13–16, 2019: *American Physical Society April Meeting*, Denver, Colorado.

April 20–23, 2019: *The 14th Workshop for the TeV-Scale Physics Working Group*, Nanjing, China.

May 6–8, 2019: *Phenomenology 2019 Symposium*, University of Pittsburgh.

May 14–15, 2019: *Mitchell Conference on Collider, DM, Neutrino Physics – In honor of Dimitri Nanopoulos*, College Station, Texas.

May 20–24, 2019: *27th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2019)*, Texas A&M University-Corpus Christi.

May 28–31, 2019: *Neutrino Theory Network Workshop on Neutrino NSI*, Washington University, St. Louis.

June 9–11, 2019: *2nd Frontier Forum on Particle Physics*, Sichuan University, Chengdu, China.

June 29–July 6, 2019: *Gordon Research Conference in Particle Physics*, Hong Kong University of Science and Technology, Hong Kong.

July 16–26, 2019: *CTEQ Summer School*, University of Pittsburgh.

July 17–19, 2019: *QCD at the LHC 2019*, University at Buffalo, SUNY.

July 29–Aug. 2, 2019: *DPF Meeting*, Northeastern University, Boston.

Aug. 5–18, 2019: *ACP program on dark matter and collider physics*, Aspen Center for Physics, Aspen.

Sept. 16–18, 2019: *International Workshop on the Circular Electron-Positron Collider*, University of Chicago.

Sept. 25–27, 2019: *ITP-KIP Retreat*, Karlsruhe Institute of Technology, Germany.

Oct. 5–11, 2019: *Neutrino Platform Week 2019: Hot Topics in Neutrino Physics*, CERN, Geneva.

Dec. 10–15, 2019: *The NCTS Annual Theory Meeting*, National Tsing-Hua University, Taiwan.

2020:

Feb. 13–16, 2020: *AAAS Annual Meeting*, Seattle.

April 18–21, 2020: *APS April Meeting 2020 (virtual)*, Washington DC.

April 22, 2020: *International Workshop on the Circular Electron-Positron Collider (virtual)*, The Catholic University of America, Washington DC.

May 4–6, 2020: *Phenomenology 2020 Symposium (virtual)*, University of Pittsburgh.

May 25–29, 2020: *RECONNECT (virtual)*, IPPP, Durham University, UK.

June 22–27, 2020: *NEUTRINO 2020 (virtual)*, Fermilab.

June 29–July 2, 2020: *Neutrino Theory Overtime (virtual)*, Fermilab.

July 6–8, 2020: *BLV Circa 2020 (virtual)*, Case Western Reserve University, Cleveland.

Oct. 5–8, 2020: *Snowmass Community Preparation Meeting (CPM-virtual)*, Fermilab.

Oct. 26–30, 2020: *Higgs 2020 (virtual)*, Osaka University, Japan.

Dec. 10, 2020: *Muon Collider Exploration (virtual)*, University of Wisconsin-Madison.

2021:

Jan. 14–21, 2021: *HKUST IAS Program (virtual) on High Energy Physics*, Hong Kong.

Feb.. 4–6, 2021: *APS All Leaders Meeting (virtual)*.

Feb.. 10–11, 2021: *IPPP Topical Meeting on Physics with High-brightness Stored Muon Beams (virtual)*, UK.

March 25–27, 2021: *Higgs as a Probe of New Physics (virtual)*, Osaka University, Japan.

March 1–3, 2021: *Unveiling Hidden Physics Beyond the Standard Model at the LHC (virtual)*.

April. 6, 2021: *The 4th Session of the Workshop on Physics Limit of Ultimate Beams (virtual)*.

April 7–9, 2021: *Pitt PACC Workshop on LHC Physics for Run 3 (virtual)*, University of Pittsburgh.

April 17–20, 2021: *APS April Meeting 2020 (virtual)*, Sacramento, CA.

April 21–23, 2021: *Symposium of the US-Japan Science and Technology Cooperation Program (virtual)*.

May 17–21, 2021: *XIV International Conference on Interconnections between Particle Physics and Cosmology (virtual)*, University of Oklahoma.

May 24–26, 2021: *Phenomenology 2021 Symposium (virtual)*, University of Pittsburgh.

May 31–June 4, 2021: *Invisible 2021 Workshop (virtual)*, IFT-UAM, Spain.

June 7–11, 2021: *WIN 2021 (virtual)*, University of Minnesota.

July 12–14, 2021: *DPF Annual Meeting 2021 (virtual)*, Florida State University.

August 22–27, 2021: *28th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)*, ITP, Beijing, China.

August 26–27, 2021: *Korean Future Collider (KFC) Workshop*, Seoul, Korea.

August 29–Sept. 12, 2021: Aspen summer program on *ν physics at the cross road*, Aspen.

Oct. 18–22, 2021: *Higgs 2021 (virtual)*, Osaka University, Japan.

Nov. 3–5, 2021: *Brookhaven Forum 2021 (virtual)*, Brookhaven, Long Island.

Nov. 7–11, 2021: *International Conference on Anomalies 2021 (virtual)*, Hyderabad, India,

Dec. 3, 2021: *Frontier forum on technology and application of muon beam acceleration and collisions (virtual)*, Beijing, China.

Dec. 13–15, 2021: *Light Dark Matter workshop*, Pitt PACC, University of Pittsburgh.

Dec. 15, 2021: *Snowmass Agora on Future Colliders (virtual)*, Fermilab.

2022:

Feb. 23–25, 2022: *Snowmass Theory Frontier Conference*, UC-Santa Barbara.

March 20–25, 2022: *Aspen Winter Conference 2022*, Aspen.

March 28–April 1, 2022: *Snowmass Energy Frontier community workshop (virtual)*, Providence, RI.

April 2–3, 2022: *Particle Physics on the Plains*, University of Kansas.

April 9–12, 2022: *APS April Meeting 2022*, New York.

April 14, 2022: *Press release on CDF W -mass Measurement (virtual)*, Tsinghua University, Beijing.

April 16–17, 2022: *Frontier forum on technology and application of muon beam acceleration and collisions (virtual)*, Beijing, China.

May 9–11, 2022: *Phenomenology 2022 Symposium*, University of Pittsburgh.

May 12–14, 2022: *Loop Fest*, University of Pittsburgh.

May 14–17, 2022: *Mitchell Conference on Collider, DM, Neutrino Physics*, College Station, Texas.

June 6–10, 2022: *Particle Physics and Cosmology 2022 (PPC)*, Washington University, St. Louise.

July 6–16, 2022: *CTEQ Summer School*, University of Pittsburgh.

July 17–26, 2022: *CSS: Community Summer Study (Snowmass 2021)*, University of Washington-Seattle.

Aug. 22–25, 2022: *Multi-Boson Interactions (virtual)*, Shanghai Jiaotong University, Shanghai, China.

Oct. 11–14, 2022: 1st *International Muon Collider Collaboration meeting* (virtual), CERN.

Oct. 20–21, 2022: *Rabi Fest*, University of Maryland, College Park, Maryland.

Nov. 7–11, 2022: *International conference Higgs 2022*, University of Pisa, Italy.

Dec. 14–16, 2022: *Neutrinos for BSM workshop*, Pitt PACC, University of Pittsburgh.

2023:

Jan. 9–14, 2023: *DCPIHEP 2019 Workshop*, Comala, Colima, Mexico.

Jan. 26–28, 2023: *Atomic dark matter workshop*, Pitt PACC, University of Pittsburgh.

Feb. 12–16, 2023: *HKUST IAS Program on High Energy Physics*, IAS-HKUST, Hong Kong.

Feb. 27–Mar. 3, 2023: *KITP rapid response workshop on muon colliders*, KITP, UCSB.

March 26–31, 2023: *Aspen Winter Conference 2023*, Aspen.

April 15–18, 2023: *APS April Meeting 2023*, Minneapolis,

April 23–29, 2023: *Workshop on future accelerators*, Corfu, Greece.

May 8–10, 2023: *Phenomenology 2022 Symposium*, University of Pittsburgh.

May 15–18, 2023: *Mitchell Conference on Collider, DM, Neutrino Physics*, College Station, Texas.

May 28–29, 2023: *Carlos and Marcela Fest*, University of Chicago/Fermilab.

June 4–8, 2023: *Higgs Physics for New Physics*, Osaka, Japan.

June 25–July 8, 2023: *Aspen summer program: New physics opportunities*, Aspen, Colorado.

July 10–12, 2023: *Standard Model at the LHC 2023*, Fermilab, Illinois.

Aug. 8–12, 2023: *XIXth Rencontres Du Vietnam*, Quy Nhon, Vietnam.

Sept. 11–16, 2023: *Scalars 2023*, University of Warsaw, Poland.

Oct. 23–27, 2023: *798 WE-Heraeus seminar on FPF and EIC*, Bad Honnef, Germany.

Nov. 16–18, 2023: *Muon collider*, Pitt PACC, University of Pittsburgh.

Nov. 30–Dec. 2, 2023: *Unravelling the Universe with Pulsar Timing Arrays*, Pitt PACC, University of Pittsburgh.

2024:

Jan. 20–25, 2024: *HKUST IAS Program on High Energy Physics*, IAS-HKUST, Hong Kong.

March 7–9, 2024: *Exploring Quantum Mechanics in High Energy Physics*, Pitt PACC, University of Pittsburgh.

March 24–29, 2024: *Aspen Winter Conference 2024*, Aspen.

April 3–6, 2024: *APS April Meeting 2024*, Sacramento.

For future conferences attended, consult with (4). Invited Talks in Conferences

(8). Other Recent Professional Activities and Community Service

Professional Community Service

- American Physical Society Division of Particles and Fields Chair line: Vice Chair (2019), Chair-elect (2020), Chair (2021), Past Chair (2022).
- American Physical Society annual April Meeting Program Committee Chair line: Vice Chair (2018, Columbus), Chair-elect (2019, Denver), Chair (2020, Washington DC, the 1st virtual meeting), Past Chair (2021, Sacramento).
- Steering Group member and chair (2021) for Snowmass Summer Studies: 2019–2022.

Professional Journal Service

- Co-Editor for *European Physics Letters*, 2012-2015.
- Editorial Board for *Journal of Physics G*, Institute of Physics, 2011-2014.
- Editorial Board for *Physical Review D*, 2008-2010.
- Co-Editor for a special issue in *Advances in High Energy Physics*, 2012.

Advisory Board and Panel Service

- Member of International Advisory Committee (IAC) of the Tsung-Dao Lee Institute, Shanghai Jiaotong University, China, 2023–present.
- Member of Academic Committee for CCAST (China Center for Advanced Science and Technology), IHEP, China, 2021–present.
- Steering Committee for the Institute for Particle Physics Phenomenology (IPPP), Durham University, UK, 2019–2023.
- National lab KEK Science Advisory Committee, Japan, 2019–2023.
- Ex-officio member of HEPAP (High Energy Physics Advisory Panel), 2021.
- National Advisory Board for Kavli Institute for Theoretical Physics-China (KITP-C): member 2007–2011; Chair: 2011–2016.
- Member of HEPAP (High Energy Physics Advisory Panel), 2013–2016.
- Member of TASI Scientific Advisory Board, 2010–2016.
(Theoretical Advanced Study Institute, Boulder, Colorado, under NSF and DOE)
- American Physical Society Committees:
DPF Nominating Committee (2012, 2013 Chair)
J.J. Sakurai Prize for theoretical particle physics (2014, 2015)
- Overseas Chinese Physics Astro-physics Association (OCPA) Coordinator (HEP Division), 2006–2011.

Academic Review and Consulting Service

- Member of HEPAP sub-committee on DOE Portfolio review, 2017–2018.
- Member of DOE “Committee of visitors”, Office of High Energy Physics (COV, 2016).
- Reviewer for DOE and NSF High Energy Physics Grants.

- Member of NSF “Committee of Visitors” (COV, 2012).
- Review panelist for DOE Comparative Review for Theory Proposals (2013).
- Review panelist for DOE Comparative Review for Intensity Frontier Proposals (2014).
- Review panelist for NSF Particle Physics and Cosmology Programs (2011, 2012, 2013, 2014).
- Review panelist for DOE National Lab Energy Frontier Research Program (2012).
- Review panelist for DOE National Lab Theory Groups (2011, 2014).
- Review panelist for DOE Early Career Research Program (2009, 2015).
- Theory Consultant for DOE High Energy Physics Lab evaluations (SLAC: 2004; ANL: 2005; 2007).
- Review panelist for the Science and Technology Facilities Council (STFC), UK, on the IPPP ten years grant renewal (2008).

Established Regular Conference Series:

- Chair or co-chair for the annual Pheno symposia:
 - Pheno-CTEQ Symposium: Frontiers of Phenomenology* (UW-Madison, April, 1998).
 - Pheno 99 Symposium: Phenomenology for the Third Millennium* (April, 1999).
 - Pheno 2000 Symposium: Phenomenology for the ν Century* (April, 2000).
 - Pheno 2001 Symposium* (May, 2001).
 - Pheno 2002 Symposium* (April, 2002).
 - Pheno 2003 Symposium* (May, 2003).
 - Pheno 2004 Symposium* (April, 2004).
 - Pheno 2005 Symposium: World Year of Phenomenology* (May, 2005).
 - Pheno 2006 Symposium* (May, 2006).
 - Pheno 2007 Symposium: Prelude to the LHC* (May, 2007).
 - Pheno 2008 Symposium: LHC Turn-on* (April, 2008).
 - Pheno 2009 Symposium: LHC Alive!* (May, 2009).
 - Pheno 2010 Symposium: LHC Decade!* (May, 2010).
 - Pheno 2011 Symposium:* (May, 2011).
 - Pheno 2012 Symposium: LHC Lights The Way* (U. of Pittsburgh, May, 2012).
 - Pheno 2013 Symposium,* (May, 2013).
 - Pheno 2014 Symposium: Full Steam Ahead!* (May, 2014).
 - Pheno 2015 Symposium: LHC Run-2: Let’s Go Beams* (May, 2015).
 - Pheno 2016 Symposium: Forging the New Physics at the LHC* (May, 2016).
 - Pheno 2017 Symposium: Building on the New Data* (May, 2017).
 - Pheno 2018 Symposium: “Points of View”* (May, 2018).
 - Pheno 2019 Symposium: “Physics at Different Scales”* (May, 2019).
 - Pheno 2020 Symposium: “From the Infrared to the Ultra-violet”* (May, 2020).
 - Pheno 2021 Symposium: “After Winter Comes Spring”* (May, 2021).
 - Pheno 2022 Symposium: “From Virtual to Real”* (May, 2022).
 - Pheno 2023 Symposium: “Jets, dark sectors, and other mysteries ...”* (May, 2023).

DPF-Pheno 2024: Joint meeting with American Physical Society Division of Particles and Fields (May, 2024).

Pheno 2025 Symposium: “Pheno 2025 in Wonderland” (May, 2025).

Pheno 2026 Symposium: “ Φ vivo 2026” (May, 2026).

- Co-organizer for PITT PACC Rapid-Response Workshops, Univ. of Pittsburgh:

Exploring Low-Mass Dark Matter Candidates, Nov 14-16, 2011.

Light Higgs: Implications for the Search for New Physics at the LHC, Jan. 13-15, 2012.

The Higgs Boson and the Next Discovery, Oct. 19-21, 2012.

Determining the Next Scale in High Energy Physics, November 18-19, 2013.

Probing Non-Minimal Dark Sectors, June 8-10, 2014.

QCD and Beyond at Colliders, November 13-14, 2014.

Higgs Boson and Beyond, December 3-5, 2015.

SM at the LHC, May 3-6, 2016.

Invisible Higgs at the LHC, August 24-26, 2016.

The Nu-Theory workshop: Beyond the 3×3 Paradigm, Nov. 4-10, 2018.

BSM Circa 2020, Feb. 28-March 2, 2019.

Physics potential for a muon collider, Nov.30-Dec. 2, 2020.

New Physics at Neutrino Facilities, Dec. 14-16, 2022.

Physics benchmarks for muon colliders, Nov. 16-18, 2023.

Exploring Quantum Mechanics in High Energy Physics, March 7-9, 2024.

- PI and co-organizer for CTEQ bi-annual summer schools at Pittsburgh:

CTEQ-2013, July 7-17, 2013.

CTEQ-2015, July 7-17, 2015.

CTEQ-2017, July 19-27, 2017.

CTEQ-2019, July 16-26, 2019.

CTEQ-2022, July 6-16, 2022.

- Co-organizer for CTEQ bi-annual summer schools outside Pittsburgh:

CTEQ-2007, University of Wisconsin-Madison, May 30-June 7, 2007.

CTEQ-2011, University of Wisconsin-Madison, June, 2011.

CTEQ-2014, Peking University, Beijing, China, July 8-18, 2014.

CTEQ-2018, Puerto Rico, June 18 -20, 2018.

- International Advisory Board for *International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY)*

SUSY 2012, (Panel Moderator), Beijing, China, August 13-18, 2012.

SUSY 2013, (Higgs co-convener), ICTP, Trieste, Italy, August 26-Sept. 1, 2013.

SUSY 2014, Manchester, UK, July 21-26, 2014.

SUSY 2015, Lake Tahoe, California, Aug. 23-29, 2015.

SUSY 2016, Melbourne, Australia, July 3-8, 2016.

SUSY 2017, Mumbai, India, Dec. 11-15, 2017.

SUSY 2018, Barcelona, Spain, July 23-27, 2018.

SUSY 2019, Corpus Christi, Texas, May 20-24, 2019.

SUSY 2021, Beijing, China, August 21–28 (virtual), 2021.

SUSY 2022, Greece, June 27–July 1, 2022.

SUSY 2023, Southampton, UK, July 17–21, 2023.

SUSY 2024, Madrid, Spain, June 10–14, 2024. *SUSY 2025*, Santa Cruz, California, Aug. 18–23, 2025.

• Co-Chair for *Workshop of TeV Physics Working Group China*:

The 10th Workshop: UCAS Yanxi Lake Campus, Huai-rou, China, Aug. 8–9, 2015.

The 12th Workshop: ZhengZhou University, ZhengZhou, China, July 22–24, 2017.

The 13th Workshop: Nankai University, Tianjin, China, Aug. 18–19, 2018.

The 14th Workshop: Nanjing Normal University, Nanjing, China, April 18–21, 2019.

The 16th Workshop: Tsinghua University, Beijing, China, Nov. 7–9, 2022.

Other Organizing, Advising, and Convening Meetings:

• Co-organizer for Aspen Center for Physics: an Aspen Summer Program *New Opportunities in High Energy Physics*, June 11–July 9, 2023, Aspen, Colorado.

• Co-organizer for *LoopFest XX*, May 12-14, 2022, Pitt PACC, Pittsburgh.

• Co-organizer for Aspen Center for Physics: an Aspen Summer Program *Neutrino physics at the crossroad*, Aug. 29–Sept.19, 2021, Aspen, Colorado.

• Chair-elect for the *Gordon Research Conference in Particle Physics*, 2021, Hong Kong.

• Vice Chair for the *Gordon Research Conference in Particle Physics*, 2019, Hong Kong.

• Co-Chair for the *International Symposium on Higgs Boson and Beyond*, ShanDong University, WeiHai, China, Aug. 15–19, 2016.

• Co-organizer for *Hints of New Physics at the LHC Run 2 – KITPC and TeV working group workshop*, KITPC-C/ITP, Beijing, China, July 26–28, 2016.

• International Advisory Committee for *The 10th workshop on Carlo Tools for Physics Beyond Standard Model* (MC4BSM 2016), IHEP, China, July 20–24 2016.

• Co-organizer for the KITPC-C workshop, *New Physics at the LHC Run 2*, July 11 – Aug. 5, 2016, KITPC-C/ITP, Beijing, China.

• Co-Chair for *The International Summer Institute*, UCAS Yanxi Lake Campus, Huai-rou, Aug. 1–7, 2015.

• Co-organizer for *The 6th Summer School on Frontier Theoretical Physics*, UCAS Yanxi Lake Campus, Huai-rou, July 31–August 6, 2015.

• Session Chair for *Top-quark Physics at Gordon Research Conference*, Hong Kong University of Science and Technology, June 7–12, 2015.

• International Advisory Board for *Kruger Workshops: Discovery Physics at the LHC*, Kruger National Park, South Africa, Dec. 3-7, 2012; Dec. 2014.

• Co-Chair of Program Committee for *International Symposium on Higgs Physics 2013*, IHEP, Beijing, China, August 9-16, 2012.

• Co-convenor for the *Working Group for tau's: Chicago 2012 Workshop on LHC Physics*, University of Chicago, May 3-5, 2012.

- Initiator and co-organizer for the *International conference and Summer School on LHC Physics*, TsingHua University, Beijing, August 16-24, 2010.
- International Advisory Board for *TOP2010: Conference on Top Quark Physics*, Brugge, Belgium, May 31- June 4, 2010.
- Convener for the muon collider physics working group, *Muon Collider Physics and Workshop*, Fermilab, Nov. 10-12, 2009.
- Co-convener for the Working Group, *Missing Energy*, for the *2009 Linear Collider Workshop of the Americas*, Albuquerque, New Mexico, Sept. 29–Oct. 3, 2009.
- Co-convener for the High-Energy Physics Division, *Oversea Chinese Physics Association Meeting IV*, Lanzhou, China, Aug. 3–7, 2009.
- Co-convener for the Working Group IV, *Other New Signatures Beyond the Standard Model*, The workshop of *The LHC to Future Colliders*, CERN, Feb. 9-27, 2009.
- Scientific Director for *TASI 08 (Theoretical Advanced Study Institute)*, University of Colorado, Boulder, CO., June 2-28, 2008.
- Co-convener for the Working Group IV, *Beyond the Standard Model*, The workshop of *The LHC Early Phase for the ILC*, Fermilab, April 12-14, 2007.
- Co-convener for the Working Group III, *Beyond the Standard Model*, The workshop of *The LHC Early Phase for the ILC*, Fermilab, April 12-14, 2007.
- Co-organizer for the KITP-C workshop, *Physics beyond the Standard Model*, June – Nov., 2008, KITP-C/ITP, Beijing, China.
- Co-organizer for the KITP workshop, *Physics at the LHC*, Feb.20 - June 6, 2008, University of California, Santa Babara.
- Co-organizer for the workshop, *CTEQ–2007*, May 30-June 7, 2007, Madison.
- Co-organizer for an Aspen summer workshop, *Collider Physics: from the Tevatron to the LHC to the ILC*, Aug. 14-Sept.10, 2005, Aspen, Colorado.
- Co-organizer for the International workshop, *Physics at e^+e^- Linear Colliders*, July 15-20, 2005, Beijing, China,
- Co-organizer for the International workshop, *DIS–2005*, April 27 - May 1, 2005, Madison.
- Co-organizer for the International Conference, *Frontier Physics*, July 5-9, 2004, Beijing, China,
- Co-convener for the *Light Higgs Working Group* for American Physics Society (APS) Snowmass’96 workshop: *New Directions for High Energy Physics* (January 1996 – March 1997).
- Co-convener for the *Higgs Boson and Z Physics Working group at the First Muon Collider and at the Front End Muon Collider* for Fermilab First Muon Collider Workshop (Sept. 1997 – January 1998).
- Co-convener for the *Detector Tracking Working Group* for the Fermilab Very Large Hadron Collider Study (1997 – 1999).

- Co-convener for the *Top-quark Rare Decay Group* for the Fermilab Tevatron Run-II Study (July 1998 – 1999).
- “Interrogator” for a “Circle Line Tours” talk at Fermilab (Oct. 28, 1999).
- Co-convener for the *DPF Snowmass Workshop*: P1-4 and P3-4 subgroups (Strong dynamics); E1-4 subgroup (muon collider physics); E4-A subgroup (VLHC Physics scenario).

University Service

- Chancellor’s Distinguished Research Award committee: 2020–present.
- Dietrich School Dean search committee: Fall 2016–Spring 2017.
- University of Pittsburgh Provost search committee: Fall 2017–Spring 2018.
- Distinguished Faculty Committee: Fall 2016–2019.
- Dean’s Ad Hoc Committee: Nov. 30, 2012; Jan. 12, 2015; March 17, 2015.

Departmental Service

- 2011–present: Director, Executive and Fellowship committees of PITT PACC
- 2011–present: Strategic planning committee
- 2011–present: Graduate Awards and Fellowships (PITT PACC Fellowships)
- 2013–present: Graduate Student China Initiative Award Committee
- 2019–present: Distinguished professorship committee
- 2015–2018: Graduate level core course committee
- 2012–2017, 2023: Graduate Admissions/Fellowship Committee

- Graduate Student PhD Dissertation Committees:
 - 2011–2012: Yueh-Feng Liu (Manfred Paulini, CMU)
 - 2013–2015: Ben Carlson (Jim Russ, CMU)
 - 2012–2015: GangQiang Liu (David Snoko)
 - 2011–2016: Ren Lu (Donna Naples)
 - 2012–2017: Cong Wang (Hrvoje Petek)
 - 2013–2017: Damon Hansen (Vittorio Paolone)
 - 2015–2018: Lin Dai (Adam Leibovich)
 - 2015–2019: Yanan Dai (Hrvoje Petek)
 - 2016–2020: Yuhe Tang (Jeremy Levi)
 - 2017–2020: Runyu Bi (Joe Boudreau)
 - 2018–2021: Tong Pang (Vladimir Savinov)
 - 2017–2022: Dengyu Yang (Jeremy Levi)
 - 2017–2022: Xinyi Wu (Jeremy Levi)
 - 2017–2022: Andi Li (Hrvoje Petek)
 - 2020–2023: Chao Zhou (Michael Hatridge)
 - 2020–2024: Shan Hao (Thomas Purdy)
 - 2016–2024: Karan Kapoor (Hrvoje Petek)
 - 2019–2025: Erfei Wang (Vladimir Savinov)
 - 2019–present: Nicholas Suarez (Tae Min Hong)
 - 2021–present: Swapnil Dutta (Brian Batell)
 - 2022–2024: Lucia Kapitanova (Vladimir Savinov)
 - 2022–present: Yang Hu (Thomas Purdy)
 - 2022–present: Boris Mesits (Michael Hatridge)
 - 2023–2025: Chun-Yuan Liu (John Alison, CMU)
 - 2023–present: Wenjie Huang (Brian Batell)
 - 2024–present: Mohamed Ismail (Donna Naples)