

Can Kilic

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Education

2000 - 2006 Ph.D. in Physics, Harvard University (Cambridge MA)
1996 - 2000 B.S. in Physics, Bogazici (Bosphorus) University (Istanbul Turkey)

Professional Experience

2017-present Associate Professor, The University of Texas at Austin
Member of Weinberg Theory Group
2011-2017 Assistant Professor, The University of Texas at Austin
Member of Weinberg Theory Group
2009-2011 Postdoctoral Research Associate, Rutgers University
(New High Energy Theory Center, Dept. of Physics and Astronomy)
2006-2009 Postdoctoral Research Fellow, The Johns Hopkins University
(Dept. of Physics and Astronomy)

Professional Societies

The American Physical Society (APS)

Grants

Previous Funding

PI

NSF Award No. PHY-1315983, "Improving Discovery Prospects and Measurement Precision for New Physics at the Large Hadron Collider" (2013-2016)

UT Austin Graduate School Summer Research Assignment, "The Study of Flavored Dark Matter" (2012-2013)

Current Funding

Co-PI

NSF Award No. PHY-1620610, “String Theory and Quantum Field Theory: From the Planck Scale to the Hubble Scale” (2016-2019)

PI Steven Weinberg, co-PIs Distler, Fischler, Kilic, Paban.

Publications

Publications while in rank of Associate Professor

[38] Dipsikha Debnath, James S. Gainer, Can Kilic, Doojin Kim, Konstantin T. Matchev, Yuan-Pao Yang,
“Enhancing the discovery prospects for SUSY-like decays with a novel kinematic variable”,
arXiv:1809.04517

[37]¹ Zackaria Chacko, Can Kilic, Saereh Najjari, Christopher Verhaaren,
“Testing the Scalar Sector of Twin Higgs Models at Colliders”,
Phys.Rev. D97 (2018) no.5, 055031, arXiv:1711.05300

Publications while in rank of Assistant Professor

[36]¹ Baris Altunkaynak, Can Kilic, Matthew D. Klimek,
“Multi-Dimensional Phase Space Methods for Mass Measurements and Decay Topology
Determination”,
Eur.Phys.J. C77 (2017) no.2, 61, arXiv:1611.09764

[35]¹ Dipsikha Debnath, James S. Gainer, Can Kilic, Doojin Kim, Konstantin T. Matchev,
Yuan-Pao Yang,
“Detecting kinematic boundary surfaces in phase space: particle mass measurements in
SUSY-like events”,
JHEP 1706 (2017) 092 , arXiv:1611.04487

[34]¹ Prateek Agrawal, Can Kilic, Sivaramakrishnan Swaminathan, Cynthia Triendafilova,
“Secretly Asymmetric Dark Matter”,
Phys.Rev. D95 (2017) no.1, 015031, arXiv:1608.04745

[33]¹ Dipsikha Debnath, James S. Gainer, Can Kilic, Doojin Kim, Konstantin T. Matchev,
Yuan-Pao Yang,
“Identifying Phase Space Boundaries with Voronoi Tessellations”,
Eur.Phys.J. C76 (2016) no.11, 645, arXiv:1606.02721

[32]¹ Nathaniel Craig, Patrick Draper, Can Kilic, Scott Thomas,

“Shedding Light on Diphoton Resonances”,
Phys.Rev. D93 (2016) no.11, 115023, arXiv:1512.07733

[31]¹ Prateek Agrawal, Zackaria Chacko, Elaine C. F. S. Fortes, Can Kilic,
“Skew-Flavored Dark Matter”,
Phys.Rev. D93 (2016) no.10, 103510, arXiv:1511.06293

[30]¹ Can Kilic, Sivaramakrishnan Swaminathan,
“Can A Pseudo-Nambu-Goldstone Higgs Lead To Symmetry Non-Restoration?”,
JHEP 1601 (2016) 002, arXiv:1508.05121

[29]¹ Prateek Agrawal, Zackaria Chacko, Can Kilic, Christopher Verhaaren,
“A Couplet From Flavored Dark Matter”,
JHEP 1508 (2015) 072, arXiv:1503.03057

[28]¹ Can Kilic, Matthew D. Klimek, Jiang-Hao Yu,
“Signatures of Top Flavored Dark Matter”,
Phys.Rev. D91 (2015) no.5, 054036, arXiv:1501.02202

[27]¹ Ali Hamze, Can Kilic, Jason Koeller, Cynthia Trendafilova, Jiang-Hao Yu,
“Lepton-Flavored Asymmetric Dark Matter and Interference in Direct Detection”,
Phys.Rev. D91 (2015) no.3, 035009, arXiv:1410.3030

[26]¹ Prateek Agrawal, Can Kilic, Craig White, Jiang-Hao Yu,
“Improved Mass Measurement Using the Boundary of Many-body Phase Space”,
Phys.Rev. D89 (2014) no.1, 015021, arXiv:1308.6560

[25]¹ Can Kilic and Brock Tweedie,
“Cornering Light Stops with Dileptonic m_{T2} ”,
JHEP 1304 (2013) 110, arXiv:1211.6106

[24]¹ Nathaniel Craig, Jared Evans, Richard Gray, Can Kilic, Michael Park, Sunil Somalwar,
Scott Thomas,
“Multi-lepton Signals of Multiple Higgs Bosons”,
JHEP 1302 (2013) 033, arXiv:1210.0559

[23]¹ Can Kilic, Amitabh Lath, Keith Rose, Scott Thomas,
“Jet Extinction from Non-Perturbative Quantum Gravity Effects”,
Phys.Rev. D89 (2014) no.1, 016003, arXiv:1207.3525

[22]¹ The CMS Collaboration,
“Search for Leptonic Decays of W Bosons in pp Collisions at $\sqrt{s}=7$ TeV”,
JHEP 1208 (2012) 023, arXiv:1204.4764

[21]¹ Emmanuel Contreras-Campana, Nathaniel Craig, Richard Gray, Can Kilic, Michael Park, Sunil Somalwar, Scott Thomas,
“Multi-lepton Signals of the Higgs Boson”,
JHEP 1204 (2012) 112, arXiv:1112.2298

[20]¹ Kevork N. Abazajian, Prateek Agrawal, Zackaria Chacko, Can Kilic,
“Lower Limits on the Strength of Gamma Ray Lines from WIMP Dark Matter Annihilation”,
Phys.Rev. D85 (2012) 123543, arXiv:1111.2835

[19] Richard C. Gray, Michael Park, Can Kilic, Sunil Somalwar, Scott Thomas,
“Backgrounds to Higgs Boson Searches from Asymmetric Internal Conversion”,
arXiv:1110.1368

[18]¹ Prateek Agrawal, Steve Blanchet, Zackaria Chacko, Can Kilic,
“Flavored Dark Matter, and Its Implications for Direct Detection and Colliders”,
Phys.Rev. D86 (2012) 055002, arXiv:1109.3516

Publications as postdoctoral fellow

[17]¹ LHC New Physics Working Group Collaboration (Daniele Alves (SLAC) et al.),
“Simplified Models for LHC New Physics Searches”,
J.Phys. G39 (2012) 105005, arXiv:1105.2838

[16]¹ Spencer Chang, Can Kilic, Takemichi Okui,
“Measuring Top Squark Interactions with the Standard Model through Associated
Production”,
Phys.Rev. D84 (2011) 035015, arXiv:1105.1332

[15]¹ Can Kilic, Scott Thomas,
“Signatures of Resonant Super-Partner Production with Charged-Current Decays”,
Phys.Rev. D84 (2011) 055012, arXiv:1104.1002

[14]¹ Nathaniel Craig, Can Kilic, Matthew J. Strassler,
“LHC Charge Asymmetry as Constraint on Models for the Tevatron Top Anomaly”,
Phys.Rev. D84 (2011) 035012, arXiv:1103.2127.

[13]¹ Can Kilic, Karoline Kopp, Takemichi Okui,
“LHC Implications of the WIMP Miracle and Grand Unification”,
Phys.Rev. D83 (2011) 015006, arXiv:1008.2763

[12] Prateek Agrawal, Zackaria Chacko, Can Kilic, Rashmish K. Mishra,

“Direct Detection Constraints on Dark Matter Event Rates in Neutrino Telescopes, and Collider Implications”,
arXiv:1003.5905

[11] Prateek Agrawal, Zackaria Chacko, Can Kilic, Rashmish K. Mishra,
“A Classification of Dark Matter Candidates with Primarily Spin-Dependent Interactions with Matter”,
arXiv:1003.1912

[10]¹ Kevork N. Abazajian, Prateek Agrawal, Zackaria Chacko, Can Kilic,
“Conservative Constraints on Dark Matter from the Fermi-LAT Isotropic Diffuse Gamma-Ray Background Spectrum”,
JCAP 1011 (2010) 041, arXiv:1002.3820

[9]¹ Can Kilic, Takemichi Okui,
“The LHC Phenomenology of Vectorlike Confinement”,
JHEP 1004 (2010) 128, arXiv:1001.4526

[8]¹ Can Kilic, Takemichi Okui, Raman Sundrum,
“Vectorlike Confinement at the LHC”,
JHEP 1002 (2010) 018, arXiv:0906.0577

[7]¹ Can Kilic, Steffen Schumann, Minho Son,
“Searching for Multijet Resonances at the LHC”,
JHEP 0904 (2009) 128, arXiv:0810.5542

[6]¹ Can Kilic, Takemichi Okui, Raman Sundrum,
“Colored Resonances at the Tevatron: Phenomenology and Discovery Potential in Multijets”,
JHEP 0807 (2008) 038, arXiv:0802.2568

[5]¹ Can Kilic, Lian-Tao Wang, Itay Yavin,
“On the existence of angular correlations in decays with heavy matter partners”,
JHEP 0705 (2007) 052, arXiv: hep-ph/0703085

Publications as graduate student

[4]¹ Matthew Baumgart, Thomas Hartman, Can Kilic, Lian-Tao Wang,
“Discovery and measurement of sleptons, binos and winos with a Z-prime”,
JHEP 0711(2007)084, arXiv: hep-ph/0608172

[3]¹ Yuval Grossman, Can Kilic, Jesse Thaler, Devin E. G. Walker,
“Neutrino Constraints on Spontaneous Lorentz Violation”,
Phys.Rev. D72 (2005) 125001, arXiv: hep-ph/0506216

[2]¹ Spencer Chang, Can Kilic, Rakhi Mahbubani,
“New fat Higgs: Increasing the MSSM Higgs mass with natural gauge unification”,
Phys.Rev. D71 (2005) 015003, arXiv: hep-ph/0405267

[1]¹ Can Kilic, Rakhi Mahbubani,
“Precision Electroweak Observables in the Minimal Moose Little Higgs Model”,
JHEP 0407 (2004) 013, arXiv: hep-ph/0312053

Articles in Conference Proceedings

[2] Top Quark Working Group Collaboration (K. Agashe (Convener) et al.), “Working Group Report: Top Quark”, Community Summer Study 2013: Snowmass on the Mississippi. (C13-07-29.2), arXiv:1311.2028

[1] Prateek Agrawal, Steve Blanchet, Zackaria Chacko, Can Kilic, “The phenomenology of lepton flavored dark matter”, Workshop on Dark Matter, Unification and Neutrino Physics (CETUP* 2012) (C12-07-10.2), AIP Conf.Proc. 1534 (2012) 5-14

Awards and Honors

2017	UT Austin	Nominated for the Regents’ Outstanding Teaching Award
2016	UT Austin	Nominated for the Regents’ Outstanding Teaching Award
2015	UT Austin	College of Natural Sciences Teaching Excellence Award
2004	Harvard U.	Gertrude and Maurice Goldhaber Prize
2003-2002	Harvard U.	Harold T. White Teaching Award (2 times)
2001-2005	Harvard U.	Derek Bok Center Teaching Award (8 times)
2001	Harvard U.	Packard Award
2000	Harvard U.	Van Vleck Scholarship

Service

Departmental

2017-2018 Physics Undergraduate Curriculum Review Committee (chair)

2015-present Outreach and Diversity Committee
2012-2015 Undergraduate Affairs Committee
2011-2015 Graduate Student Recruitment Committee

College

2015 Physics Department Chair Search Committee

University

2013-2015 Faculty Council, and Committee on Responsibilities, Rights, and Welfare
of Graduate Student Academic Employees

Community

2017-present Organizer for the Physics Dept. Saturday Morning Workshop

2013-present Co-organizer for the Physics Dept. Annual Open House Event

2011-present Outreach Lectures at UT Austin (Saturday Morning Physics Lectures,
Dean's Scholars, Society of Physics Students)

2011-present Outreach Lectures in Austin area high schools (Crockett HS, Travis HS,
LASA)

Mar. 2018 Outreach Lecture at the "Astronomy on Tap ATX" program

Nov. 2015 Participated in Question&Answer session in the "Science On Screen"
program organized by the Austin Film Society

May 2014 Conducted Question&Answer Session for the movie "Particle Fever"
at the Regal Arbor 8 Movie Theater

Seminars/Lectures

Colloquia, invited seminars and lectures

- 11/2017 University of California Irvine (**invited seminar**): “Exploring Connections between Dark Matter and Flavor” (Irvine, CA)
- 4/2017 Lawrence Berkeley National Laboratory (**invited seminar**): “Flavored Dark Matter and a Secret Asymmetry” (Berkeley, CA)
- 2/2017 University of Florida (**colloquium**): “Adding a Little Flavor to Dark Matter” (Gainesville, FL)
- 11/2016 TRIUMF (**invited seminar**): “Aspects of Lepton Flavored Dark Matter” (Vancouver, Canada)
- 8/2016 University of Texas at Austin (**colloquium**): “Adding a Little Flavor to Dark Matter” (Austin, TX)
- 3/2016 University of Pittsburgh (**invited seminar**): “Improved Mass Measurements Using Many-Body Phase Space” (Pittsburgh, PA)
- 3/2015 Brookhaven National Laboratory (**invited seminar**): “Flavored Dark Matter with Weak Scale Mediators” (Upton, NY)
- 2/2015 University of Oklahoma (**colloquium**): “Dark Matter: Vanilla vs. Flavored” (Norman, OK)
- 2/2015 University of Oklahoma and Oklahoma State University (**invited joint seminar**): “Aspects of Lepton-Flavored Dark Matter” (Norman, OK)
- 11/2014 University of Wisconsin-Madison (**invited seminar**): “Aspects of Lepton-Flavored Dark Matter” (Madison, WI)
- 7/2014 Perimeter Institute (**invited seminar**): “Improved Mass Measurements Using Many-Body Phase Space” (Waterloo, Ontario, Canada)
- 6/2014 Peking University (**invited seminar**): “Improved Mass Measurements Using Many-Body Phase Space” (Beijing, China)
- 6/2014 Center for Future High Energy Physics, Lectures (**invited lectures**): “The QCD Chiral Lagrangian and Vectorlike Confinement” (Beijing, China)
- 11/2013 Maryland Center for Fundamental Physics (**invited seminar**): “Improved Mass Measurements Using Many-Body Phase Space” (College Park, MD)

- 2/2013 Baylor University (**colloquium**): “Luring Naturalness from a Potential Hiding Place at the LHC” (Waco, TX)
- 4/2012 Fermi National Laboratory (**invited seminar**): “Two Topics in Dark Matter: Flavored Dark Matter and Limits on Gamma-Ray Lines from Unitarity” (Batavia, IL)
- 2/2012 Texas A&M University (**invited seminar**): “Two Topics in Dark Matter: Flavored Dark Matter and Limits on Gamma-Ray Lines from Unitarity” (College Station, TX)
- 2/2012 University of Michigan (**invited seminar**): “Two Topics in Dark Matter: Flavored Dark Matter and Limits on Gamma-Ray Lines from Unitarity” (Ann Arbor, MI)
- 10/2011 University of Chicago (**invited seminar**): “The Phenomenology of Flavored Dark Matter” (Chicago, IL)
- 6/2011 SLAC National Accelerator Laboratory (**invited seminar**): “Model-Independent Approaches in Looking for Dark Matter” (Menlo Park, CA)
- 3/2011 University of Texas at Austin (**colloquium**): “A Model-Independent Approach to Looking for Dark Matter” (Austin, TX)
- 3/2011 University of Texas at Austin (**invited seminar**): “Vectorlike Confinement and Its Signatures at the LHC” (Austin, TX)
- 2/2011 Boston University (**invited seminar**): “Model-Independent Approaches to Constraining Dark Matter” (Boston, MA)
- 12/2010 Heidelberg Institute for Theoretical Physics (**invited seminar**): “The Dark Matter - LHC Connection: A Few Model-Independent Statements” (Heidelberg, Germany)
- 11/2010 Brookhaven National Laboratory (**invited seminar**): “The Dark Matter - LHC Connection: A Few Model-Independent Statements” (Upton, NY)
- 4/2010 Princeton University (**invited seminar**): “Vectorlike Confinement and its Signatures at the LHC” (Princeton, NJ)
- 2/2010 Columbia University (**invited seminar**): “Vectorlike Confinement and its Signatures at the LHC” (New York, NY)

- 2/2010 Rutgers University High Energy Experimental Group (**invited seminar**): “Signatures of Vectorlike Confinement at the LHC” (Piscataway, NJ)
- 10/2009 University of California Berkeley (**invited seminar**): “Signatures of Vectorlike Confinement at the LHC” (Berkeley, CA)
- 9/2009 Cornell University (**invited seminar**): “Vectorlike Confinement at the LHC” (Ithaca, NY)
- 9/2009 Syracuse University (**invited seminar**): “Vectorlike Confinement at the LHC” (Syracuse, NY)
- 3/2009 SLAC National Accelerator Laboratory (**invited seminar**): “Vectorlike Confinement at the LHC” (Menlo Park, CA)
- 1/2009 Brookhaven National Laboratory (**invited seminar**): “Multijet Resonances at the Tevatron and the LHC” (Upton, NY)
- 12/2008 Harvard University (**invited seminar**): “Multijet Resonances at the Tevatron and the LHC” (Cambridge, MA)
- 12/2008 Boston University (**invited seminar**): “Multijet Resonances at the Tevatron and the LHC” (Boston, MA)
- 11/2008 Argonne National Laboratory (**invited seminar**): “Multijet Resonances at the Tevatron and the LHC” (Argonne, IL)
- 4/2008 Los Alamos National Laboratory (**invited seminar**): “Colored Resonances at the Tevatron: Phenomenology and Discovery” (Los Alamos, NM)
- 3/2008 California Institute of Technology (**invited seminar**): “Colored Resonances at the Tevatron: Phenomenology and Discovery” (Pasadena, CA)
- 10/2006 Princeton University (**invited seminar**): “Discovery and Measurement of sleptons, binos and winos with a Z-prime” (Princeton, NJ)
- 3/2006 Johns Hopkins University (**invited seminar**): “Astrophysical Constraints on Spontaneous Lorentz Violation” (Baltimore, MD)
- 12/2005 Yale University (**invited seminar**): “Astrophysical Constraints on Spontaneous Lorentz Violation” (New Haven, CT)

- 12/2005 Boston University (**invited seminar**): “Astrophysical Constraints on Spontaneous Lorentz Violation” (Boston, MA)
- 12/2005 University of California Davis (**invited seminar**): “LHC Olympics: A Theorist’s Adventures in Collider Physics” (Davis, CA)
- 11/2005 California Institute of Technology (**invited seminar**): “LHC Olympics: A Theorist’s Adventures in Collider Physics” (Pasadena, CA)

Conference and workshop presentations

- 5/2018 “A secret asymmetry from Flavored Dark Matter”, The Mitchell Conference on Collider, Dark Matter, and Neutrino Physics 2018, Mitchell Institute of Fundamental Physics and Astronomy (College Station, TX)
- 5/2018 “Testing the Twin Higgs mechanism at colliders”, PHENO 2018 Symposium, University of Pittsburgh (Pittsburgh, PA)
- 9/2017 “Exploring Connections between Dark Matter and Flavor” (**invited**), 10th International Workshop on Top Quark Physics (Braga, Portugal)
- 8/2017 “Flavored Dark Matter and a Secret Asymmetry”, 2017 Meeting of the APS Division of Particles and Fields (DPF 2017), Fermi National Accelerator Laboratory (Batavia, IL)
- 5/2017 "Multidimensional Phase Space Methods for Discovery and Mass Measurement", XI International Conference on Interconnections between Particle Physics and Cosmology (Corpus Christi, TX)
- 5/2016 “Improved Mass Measurements Using Many-Body Phase Space”, 2016 Mitchell Workshop on Collider and Dark Matter Physics, Mitchell Institute of Fundamental Physics and Astronomy (College Station, TX)
- 5/2016 “Diphotons from Vectorlike Confinement” (**invited**), Emerging New Physics at the LHC Workshop, University of Oregon (Eugene, OR)
- 5/2015 “Aspects of Lepton Flavored Dark Matter”, 2015 Mitchell Workshop on Collider and Dark Matter Physics, Mitchell Institute of Fundamental Physics and Astronomy (College Station, TX)
- 5/2015 “Aspects of Lepton Flavored Dark Matter”, PHENO 2015 Symposium, University of Pittsburgh (Pittsburgh, PA)

- 8/2013 “Multi-Lepton Final States in the Search for New Physics”, Implications of LHC Higgs-Like Signals Workshop, Aspen Center for Physics (Aspen, CO)
- 7/2012 “The Phenomenology of Flavored Dark Matter” (**invited**), Workshop on Dark Matter, Unification and Neutrino Physics: CETUP* 2012, (Lead, SD)
- 5/2012 “Robust Limits on Gamma Ray Lines from Dark Matter Annihilation”, Dark Matter Signatures in the Gamma Ray Sky” Workshop (**co-organizer**), The University of Texas at Austin (Austin, TX)
- 7/2011 “The $W+jj$ Anomaly and Proposed Explanations”, The First Year of the LHC Workshop, Kavli Institute for Theoretical Physics (Santa Barbara, CA)
- 5/2010 “Dark Matter as its own Antiparticle: Consequences for Indirect Detection and LHC Phenomenology”, Workshop on Advances in Cosmology, University of Maryland (College Park, MD)
- 4/2008 “Colored Resonances at the Tevatron: Phenomenology and Discovery”, PHENO 2008 Symposium, University of Pittsburgh (Pittsburgh, PA)
- 3/2008 “Colored Resonances at the Tevatron: Phenomenology and Discovery”, Physics of the Large Hadron Collider Conference, Kavli Institute for Theoretical Physics (Santa Barbara, CA)
- 6/2007 “Looking for New Physics with LHC-B”, Beyond the Standard Model at the Dawn of the LHC Era Conference, Eotvos University (Budapest, Hungary)
- 4/2006 “Looking for Sleptons in Unusual Places”, LHC Inverse Problem Workshop, University of Michigan (Ann Arbor, MI)
- 2/2006 “Solving the UW Blackbox”, LHC Olympics 2 Workshop, CERN (Geneva, Switzerland)

Participation in Collaborative Workshops and Conferences

- 8/2018 "The Flavor of New Physics in Collisions", Aspen Center for Physics (Aspen, CO)
- 8/2017 "Reaching New Summits: The LHC at Full Strength", Aspen Center for Physics (Aspen, CO)

- 5/2017 “2017 Mitchell Workshop on Collider, Dark Matter and Neutrino Physics”, Mitchell Institute of Fundamental Physics and Astronomy (College Station, TX)
- 7/2016 “Understanding the First Results from LHC RunII” Workshop (**invited**), Mainz Institute for Theoretical Physics (Mainz, Germany)
- 6/2016 “The Many Faces of Naturalness” Workshop, Aspen Center for Physics (Aspen, CO)
- 8/2014 “Model Building in the LHC Era” Workshop, Aspen Center for Physics (Aspen, CO)
- 7/2013 “Exploring TeV Scale New Physics with LHC Data” Workshop, Kavli Institute for Theoretical Physics (Santa Barbara, CA)
- 7/2013 “LHC-The First Part of the Journey” Conference, Kavli Institute for Theoretical Physics (Santa Barbara, CA)
- 7/2012 “The LHC Shows the Way” Workshop, Aspen Center for Physics (Aspen, CO)
- 11/2010 “Dark Matter: Direct Detection and Theoretical Developments” Conference, Princeton Center for Theoretical Science (Princeton, NJ)
- 9/2010 “Workshop on Topologies for Early LHC Searches”, SLAC National Accelerator Laboratory (Menlo Park, CA)
- 4/2009 “MC4BSM 2009 & Missing Energy Signals at the LHC” Conference, University of California Davis (Davis, CA)
- 10/2008 “Forefronts of LHC Physics” Conference, Princeton Center for Theoretical Science (Princeton, NJ)
- 9/2008 “Beyond the Standard Model from the Tevatron to the LHC” Conference, Fermi National Laboratory (Batavia, IL)
- 7/2008 “LHC: Beyond the Standard Model Signals in a QCD Environment” Workshop, Aspen Center for Physics (Aspen, CO)
- 1/2008 “LHC New Physics Signatures” Conference, University of Michigan (Ann Arbor, MI)

- 11/2007 “Detecting the Unexpected (at the LHC)” Workshop, University of California Davis (Davis, CA)
- 3/2007 “Physics at the LHC: From Experiment to Theory” Conference, Princeton Center for Theoretical Physics (Princeton, NJ)
- 8/2006 “LHC Olympics 3” Workshop, Kavli Institute for Theoretical Physics (Santa Barbara, CA)

Professional Services

Major Conference Program Committees

Organizer for the “27th International Conference on Supersymmetry and Unification of Fundamental Interactions” (SUSY 2019)
(May 2019, Corpus Christi , TX)

Organizer for the “XIth International Conference on the Interconnection between Particle Physics and Cosmology" (PPC2017)
(May 2017, Corpus Christi , TX)

Workshops and Specialized Conference Program Committees

2011-present Organizer for the LHC Results Forum: The LHC Results Forum is a web-based seminar series on recent experimental results from particle physics with participating institutions in the US and abroad.

2017 Organizer for the 2017 Tamura Symposium on Lepton and Baryon Symmetry (May 2017, Austin, TX)

2012 Co-organizer for the workshop “Dark Matter Signatures in the Gamma Ray Sky” (UT Austin)

Journal, Conference, and Book Reviewing

Referee for Physical Review Letters (PRL), Physics Letters B, Physical Review D (PRD)
Journal of High Energy Physics (JHEP), European Physical Journal C (EPJC)