

CURRICULUM VITAE

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Employment History

Jan. 1, 2002 – present: Assistant Professor, Department of Physics,
University of Florida, Gainesville, FL, USA
Jan. 2004 – Aug. 2004: Visiting Assistant Professor, Physics Department,
Cornell University, Ithaca, NY, USA
Aug. 2003 – Dec. 2003: Visiting Fellow, Laboratory for Elementary Particle Physics,
Cornell University, Ithaca, NY, USA
2000 – Sept. 2002: Fellow at the Theory Division, CERN, Geneva, Switzerland
1997 – 2000: Research Associate, Theoretical Physics Department,
Fermi National Accelerator Laboratory, Batavia, IL, USA
1992 – 1997: Teaching Assistant, Department of Physics and Astronomy,
Johns Hopkins University, Baltimore, MD, USA
1990 – 1992: Research Assistant, Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, Dubna, Russia

Education and Degrees

1992 – 1997 Johns Hopkins University, Baltimore, Maryland, USA
Ph.D. in Theoretical Particle Physics (August 1997)
M.A. in Physics and Astronomy (May 1994)
Research Advisor: Prof. Jonathan Bagger
1989 – 1992 Laboratory of Theoretical Physics, JINR, Dubna, Russia
Diploma Thesis in Theoretical Physics (June 1990)
Research Advisor: Prof. Victor I. Ogievetsky
1986 – 1990 Plovdiv University, Faculty of Physics, Plovdiv, Bulgaria
M.S. in Physics with highest honors (June 1990).

Honors and Awards

2004: Outstanding Junior Investigator award, Department of Energy
1990: College Gold Medal from the Bulgarian Ministry of Education
1989: First Prize, National College Student Physics Seminar, Plovdiv'89
1987: Second Prize, National College Physics Olympiad (problem solving)
1985: First Prize, National High-School Physics Thesis Competition
1985: First Prize, National High-School Math Olympiad (problem solving)

Community Service

2006 – present	Organiser , Second MC4BSM Workshop, Princeton, March 21-24, 2007
2002 – present	Member , CMS Collaboration, LHC Project, CERN
2005 – 2006	Member , Large Hadron Collider-Linear Collider HEPAP subpanel
2005 – 2006	Organiser , First MC4BSM Workshop, Fermilab, March 20-21, 2006
2006	Convener , ‘Colliders’ parallel session, SUSY 2006 conference, UC Irvine, CA, June 12-17, 2006
2006	Convener , ‘SUSY particles’ parallel session, Linear Collider Workshop (LCWS06), Bangalore, India, March 9-13, 2006
2005	Organiser , Second UF-FSU pheno workshop, Gainesville FL, Nov. 11, 2005
2005	Contributor , ‘LHC Theory Initiative’ white paper and grant proposal
2005	Convener , ‘SUSY/Higgs Searches’ parallel session, SUSY 2005 conference, IPPP Durham, UK, July 18-23, 2005
2004 – 2005	Organiser , ‘New approaches to electroweak symmetry breaking’ workshop, Aspen Center for Physics, Aspen CO, June 19 - July 10, 2005
2004	Organiser , First UF-FSU pheno workshop, Tallahassee FL, Dec. 1, 2004
2003 – 2006	Convener , Cornell study group of the ‘Cosmology & LC’ working group
2001 – 2002	Convener , ‘Higgs + SUSY’ working group, Snowmass 2001
2001 – 2002	Convener , ‘Indirect Investigations of SUSY’ working group, Snowmass 2001
2000 – 2001	Convener , ‘Beyond the Standard Model’ Working Group, “Physics at TeV Colliders” workshop, Les Houches, May 21 - June 1, 2001
2000 – 2004	Member , CLIC Physics Study Group at CERN
1999 – 2000	Member , Fermilab Linear Collider Physics Study Group

Departmental Service

Jan 2007 – present	Preliminary Exam Committee - member
Apr 2005 – present	HET representative to the IFT board
Jan 2002 – present	Member of 13 Ph.D. committees (1 chair, 1 co-chair)
Jun 2006 – Dec 2006	Organiser of the High Energy Physics seminars
Apr 2005 – Aug 2006	Computing Committee - member
Aug 2004 – Aug 2006	Graduate Recruitment and Admissions Committee - member
Aug 2005 – May 2006	Organiser of the LHC/CMS weekly journal club
Dec 2005 – Feb 2006	IFT Postdoc Search Committee (high energy) - member
Dec 2004 – Feb 2005	IFT Postdoc Search Committee (astro) - member
Aug 2004 – Apr 2005	Experimental Biophysics Faculty Search Committee - member
Apr 2004 – Aug 2004	Preliminary Exam Committee - member
Nov 2002 – Aug 2003	Preliminary Exam Committee - member
Jan 2002 – Aug 2003	Graduate Recruitment and Admissions Committee - member
Jan 2002 – Aug 2003	Computing Committee - member
Jan 2003 – May 2003	Experimental Astroparticle Faculty Search Committee - member
Jan 2003 – May 2003	Organiser of the High Energy Physics seminars
Jan 2003 – Feb 2003	IFT Postdoc Search Committee (high energy) - member
Jan 2002 – Feb 2003	“PierreFest” organizing committee - member

Invited Lectures at Summer Schools

- July 2005 lecturer, graduate level, 'Prospects in Theoretical Physics' summer program, Institute for Advanced Study, Princeton.
- August 2004 lecturer, graduate level, XXXII SLAC Summer Institute, SLAC.
- June 2002 lecturer, graduate level, Theoretical Advanced Studies Institute (TASI 2002), University of Colorado, Boulder, CO.

Teaching Activities at the University of Florida

- Spring 2007 MET1010: Introduction to Weather
- Fall 2006 MET1010: Introduction to Weather
- Spring 2006 PHY2054: Physics 2 w/o Calculus, discussion leader (2 sections \times 2)
- Fall 2005 PHY6648: Quantum Field Theory I
- Spring 2005 PHY7669: Quantum Field Theory II
- Fall 2004 PHY6648: Quantum Field Theory I
- Spring 2003 PHY4222: Mechanics II
- Spring 2002 PHY2048: Physics 1 with Calculus, discussion leader (5 sections \times 1)

Teaching Activities at Cornell University

- Spring 2004 PHYS 646: High Energy Particle Physics (graduate level)

Teaching Activities at Johns Hopkins University

- Spring 1997 171.204: Classical Mechanics, TA
- Fall 1996 173.111-112: General Physics Laboratory, lab assistant
- Spring 1996 171.301-302: Introduction to Electromagnetic Theory, TA
- Fall 1995 171.301-302: Introduction to Electromagnetic Theory, TA
- Spring 1995 171.301-302: Introduction to Electromagnetic Theory, TA
- Fall 1994 171.301-302: Introduction to Electromagnetic Theory, TA
- Spring 1994 171.301-302: Introduction to Electromagnetic Theory, TA
- Fall 1993 171.301-302: Introduction to Electromagnetic Theory, TA
- Spring 1993 171.301-302: Introduction to Electromagnetic Theory, TA
- Fall 1992 171.103-104: General Physics for Biological Science Majors, TA
- Fall 1992 173.111-112: General Physics Laboratory, lab assistant

Voluntary Activities with Students

- January 2005 Judge, Lincoln Middle School Science Fair, Gainesville FL.
- July 2003 Mentor for the NSF Research Experience for Undergraduates (REU) Program at the University of Florida: Jonathan Blender (Cornell)
- Spring 2003 Thesis advisor of an undergraduate exchange student at the University of Florida: Tanju Gleisberg (Technical University, Dresden, Germany)

Grants and Research Funding

Mar 2007 – Feb 2008	UF task J: Outstanding Junior Investigator award (DoE)	\$55,000 (PI)
Mar 2007 – Feb 2008	UF task A: Elementary Particle Theory (DoE)	\$320,000 (co-PI)
Mar 2006 – Feb 2007	UF task J: Outstanding Junior Investigator award (DoE)	\$55,000 (PI)
Mar 2006 – Feb 2007	UF task A: Elementary Particle Theory (DoE)	\$320,000 (co-PI)
Mar 2005 – Feb 2006	UF task J: Outstanding Junior Investigator award (DoE)	\$55,000 (PI)
Mar 2005 – Feb 2006	UF task A: Elementary Particle Theory (DoE)	\$340,000 (co-PI)
Mar 2004 – Feb 2005	UF task J: Outstanding Junior Investigator award (DoE)	\$55,000 (PI)
Mar 2004 – Feb 2005	UF task A: Elementary Particle Theory (DoE)	\$345,000 (co-PI)
Mar 2003 – Feb 2004	UF task A: Elementary Particle Theory (DoE)	\$360,000 (co-PI)
Jun 2001 – present	Startup funds from the University of Florida	\$160,000

Placement of Graduate Students and Postdocs under Supervision

Name	Position	Duration	Position after UF
Tanju Gleisberg	student	Spring 2003	Theory Group, SLAC (postdoc)
Asesh Datta	postdoc	2002 – 2004	University of Michigan (postdoc)
Andreas Birkedal	postdoc	2003 – 2005	SCIPP, UC Santa Cruz (postdoc)
Kyoungchul Kong	student	2001 – 2006	Theory Group, Fermilab (postdoc)
R. Craig Group	student	2002 – 2006	Fermilab (postdoc)
Michael Burns	student	2004 –	
Hye-Sung Lee	postdoc	2005 –	
Myeonghun Park	student	2006 –	

Professional memberships: American Physical Society, Bulgarian Physical Society.

Referee: Physical Review Letters, Physical Review D, Journal of High Energy Physics, Nuclear Physics B, Astroparticle Physics, Physics Letters B, Modern Physics Letters A, International Journal of Modern Physics A.

Proposal reviewer: DoE: 2 proposals in 2005, 1 proposal in 2006; NSF: 1 proposal in 2005, 1 proposal in 2006.

Personal

Date of birth: February 22, 1967 Citizenship: Bulgaria
Marital status: married, two children US visa status: H1B (exp. Dec. 31, 2007)

LIST OF PUBLICATIONS

I. Papers in Refereed Journals

40. “*Supersymmetry parameter analysis: SPA convention and project*” (with J. A. Aguilar-Saavedra *et al.*), **Eur. Phys. J. C** **46**, **43** (2006), hep-ph/0511344.
39. “*Discrimination of supersymmetry and universal extra dimensions at hadron colliders*” (with A. Datta and K. Kong), **Phys. Rev. D** **72**, **096006** (2005), hep-ph/0509246.
38. “*Precise calculation of the relic density of Kaluza-Klein dark matter in universal extra dimensions*” (with K. Kong), **JHEP** **0601:038** (2006), hep-ph/0509119.
37. “*Robust gamma ray signature of WIMP dark matter*” (with A. Birkedal, M. Perelstein and A. Spray), submitted to **Phys. Rev. D**, hep-ph/0507194.
36. “*Contrasting Supersymmetry and Universal Extra Dimensions at the CLIC Multi-TeV e^+e^- Collider*” (with M. Battaglia, A. Datta, A. De Roeck and K. Kong), **JHEP** **0507:033** (2005), hep-ph/0502041.
35. “*Collider Phenomenology of the Higgsless Models*” (with A. Birkedal and M. Perelstein), **Phys. Rev. Lett.** **94**, **191803** (2005), hep-ph/0412278.
34. “*Dark Matter at Colliders: a Model-Independent Approach*” (with A. Birkedal and M. Perelstein), **Phys. Rev. D** **70**, **077701** (2004), hep-ph/0403004.
33. “*Helicity Formalism for Spin-2 Particles*” (with T. Gleisberg, F. Krauss, A. Schälicke, S. Schumann and G. Soff), **JHEP** **0309:001** (2003), hep-ph/0306182.
32. “*The Measurement of the Muon’s Anomalous Magnetic Moment Isn’t*” (with J. Feng and Y. Shadmi), **Phys. Lett. B** **555**, **89** (2003), hep-ph/0208106.
31. “*Kaluza-Klein Dark Matter*” (with H.-C. Cheng and J. Feng), **Phys. Rev. Lett.** **89**, **211301** (2002), hep-ph/0207125.
30. “*Bosonic Supersymmetry? Getting Fooled at the LHC*” (with H.-C. Cheng and M. Schmaltz), **Phys. Rev. D** **66**, **056006** (2002), hep-ph/0205314.
29. “*Radiative Corrections to Kaluza-Klein Masses*” (with H.-C. Cheng and M. Schmaltz), **Phys. Rev. D** **66**, **036005** (2002), hep-ph/0204342.
28. “*The Snowmass Points and Slopes: Benchmarks for SUSY Searches*” (with B.C. Allanach *et. al.*), **Eur. Phys. J. C** **25**, **113** (2002), hep-ph/0202233.
27. “*Prospects for Detecting Supersymmetric Dark Matter at Post-LEP Benchmark Points*” (with J. Ellis, J. Feng, A. Ferstl and K. Olive), **Eur. Phys. J. C** **24**, **311** (2002), astro-ph/0110225.
26. “*GUT Breaking on the Lattice*” (with H.-C. Cheng and J. Wang), **Phys. Lett. B** **521**, **308** (2001), hep-ph/0107268.
25. “*Theoretical Expectations for the Muon’s Electric Dipole Moment*” (with J. Feng and Y. Shadmi), **Nucl. Phys. B** **613**, **366** (2001), hep-ph/0107182.
24. “*Proposed Post-LEP Benchmarks for Supersymmetry*” (with M. Battaglia, A. De Roeck, J. Ellis, F. Gianotti, K. Olive, L. Pape, G. Wilson), **Eur. Phys. J. C** **22**, **535** (2001), hep-ph/0106204.

23. “*Supersymmetry and the Anomalous Anomalous Magnetic Moment of the Muon*” (with J. Feng), **Phys. Rev. Lett.** **86**, 3480 (2001), hep-ph/0102146.
22. “*Focus Point Supersymmetry: Proton Decay, Flavor and CP Violation, and the Higgs Boson Mass*” (with J. Feng), **Phys. Rev. D** **63**, 095003 (2001), hep-ph/0011356.
21. “*Light Axion within the Next-to-Minimal Supersymmetric Standard Model*” (with B. Dobrescu), **JHEP** **0009:031** (2000), hep-ph/0008192.
20. “*Prospects for Indirect Detection of Neutralino Dark Matter*” (with J. Feng and F. Wilczek), **Phys. Rev. D** **63**, 045024 (2001), astro-ph/0008115.
19. “*Higgs Boson Decays to CP-odd Scalars at the Tevatron and Beyond*” (with B. Dobrescu and G. Landsberg), **Phys. Rev. D** **63**, 075003 (2001), hep-ph/0005308.
18. “*Neutralino Dark Matter in Focus Point Supersymmetry*” (with J. Feng and F. Wilczek), **Phys. Lett. B** **482**, 388 (2000), hep-ph/0004043.
17. “*Discovering a Light Higgs Boson with Light*” (with G. Landsberg), **Phys. Rev. D** **62**, 035004 (2000), hep-ex/0001007.
16. “*Stop and Sbottom Searches in Run II of the Fermilab Tevatron*” (with R. Demina, J. Lykken and A. Nomerotski), **Phys. Rev. D** **62**, 035011 (2000), hep-ph/9910275.
15. “*Focus Points and Naturalness in Supersymmetry*” (with J. Feng and T. Moroi), **Phys. Rev. D** **61**, 075005 (2000), hep-ph/9909334.
14. “*Higgs and Z-Boson Signatures of Supersymmetry*” (with S. Thomas), **Phys. Rev. D** **62**, 77702 (2000), hep-ph/9908482.
13. “*New Higgs Signals from Flavor Physics in Large Extra Dimensions*” (with H.-C. Cheng), **Nucl. Phys. B** **563**, 21 (1999), hep-ph/9908328.
12. “*Multi-TeV Scalars are Natural in Minimal Supergravity*” (with J. Feng and T. Moroi), **Phys. Rev. Lett.** **84**, 2322 (2000), hep-ph/9908309.
11. “*New Backgrounds in Trilepton, Dilepton and Dilepton plus Tau Jet SUSY Signals at the Tevatron*” (with D. Pierce), **Phys. Lett. B** **467**, 225 (1999), hep-ph/9907505.
10. “*Supersymmetry Reach of the Tevatron via Trilepton, Like-Sign Dilepton and Dilepton plus Tau Jet Signatures*” (with D. Pierce), **Phys. Rev. D** **60**, 075004 (1999), hep-ph/9904282.
9. “*Supersymmetry Signatures with Tau Jets at the Tevatron*” (with J. Lykken), **Phys. Rev. D** **61**, 015001 (2000), hep-ph/9903238.
8. “*Generic and Chiral Extensions of the Supersymmetric Standard Model*” (with H.-C. Cheng and B. Dobrescu), **Nucl. Phys. B** **543**, 47 (1999), hep-ph/9811316.
7. “*A Chiral Supersymmetric Standard Model*” (with H.-C. Cheng and B. Dobrescu), **Phys. Lett. B** **439**, 301 (1998), hep-ph/9807246.
6. “*New Limits on the SUSY Higgs Boson Mass*” (with D. Pierce), **Phys. Lett. B** **445**, 331 (1999), hep-ph/9805275.
5. “*QCD Corrections to Flavor Changing Neutral Currents in the Supersymmetric Standard Model*” (with J. Bagger and R. Zhang), **Phys. Lett. B** **412**, 77 (1997), hep-ph/9707225.

4. “*Gauge and Yukawa Unification in Models with Gauge Mediated Supersymmetry Breaking*” (with J. Bagger, D. Pierce and R. Zhang), **Phys. Rev. Lett.** **78**, 2497 (1997), hep-ph/9611229.
3. “*Weak Scale Phenomenology in Models with Gauge Mediated Supersymmetry Breaking*” (with J. Bagger, D. Pierce and R. Zhang), **Phys. Rev. D** **55**, 3188 (1997), hep-ph/9609444.
2. “*Precision Corrections in the Minimal Supersymmetric Standard Model*” (with J. Bagger, D. Pierce and R. Zhang), **Nucl. Phys. B** **491**, 3 (1997), hep-ph/9606211.
1. “*Precision Corrections to Supersymmetric Unification*” (with J. Bagger and D. Pierce) **Phys. Lett. B** **348**, 443 (1995), hep-ph/9501277.

II. Unrefereed Publications

30. “*CMS discovery potential for MSUGRA in same sign di-muon events with jets and large missing transverse energy in pp collisions at $\sqrt{s} = 14$ TeV*”, (with B. Scurlock, D. Acosta, P. Bartalini, R. Cavanaugh, A. Drozdetskiy, A. Korytov, K. Kotov, G. Mitselmakher, Yu. Pakhotin and M. Schmitt), CMS Analysis Note CMS AN-2005/083.
29. “*CMS discovery potential for MSUGRA in same sign di-muon events with jets and large missing transverse energy in pp collisions at $\sqrt{s} = 14$ TeV*”, (with Yu. Pakhotin, D. Acosta, P. Bartalini, R. Cavanaugh, A. Drozdetskiy, A. Korytov, K. Kotov, G. Mitselmakher, M. Schmitt and B. Scurlock), CMS Analysis Note CMS AN-2005/065.
28. “*Identifying universal extra dimensions at CLIC*”, (with A. De Roeck, M. Battaglia, A. Datta and K. Kong), in ‘Paris 2004, Linear colliders, vol. 1’, Proceedings of the International Conference on Linear Colliders (LCWS 04), Paris, France, 19-24 Apr 2004, p. 303.
27. “*Phenomenology of Higgsless models at the LHC and the ILC*”, (with A. Birkedal and M. Perelstein), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ph/0508185.
26. “*The Impact of Beamstrahlung on Precision Measurements at CLIC*”, (with A. Datta and K. Kong), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ph/0508161.
25. “*Contrasting Supersymmetry and Universal Extra Dimensions at Colliders*”, (with M. Battaglia, A. Datta, A. De Roeck and K. Kong), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ph/0507284.
24. “*Testing Cosmology at the ILC*”, (with A. Birkedal, J. Alexander, K. Ecklund, L. Fields, R. Gray, D. Hertz, C. Jones and J. Pivarski), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ph/0507214.
23. “*Slepton Mass Measurements at the LHC*”, (with A. Birkedal and R. C. Group), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ph/0507002.

22. “*Measuring Mass and Cross Section Parameters at a Focus Point Region*”, (with R. Gray, J. Alexander, K. Ecklund, L. Fields, D. Hertz, C. Jones, J. Pivarski and A. Birkedal), Proceedings of the 2005 International Linear Collider Workshop (LCWS 2005), Stanford CA, 18-22 Mar 2005, hep-ex/0507008.
21. “*The discovery potential of a Super B Factory*”, Proceedings, SLAC Workshops, Stanford, USA, 2003, hep-ph/0503261.
20. “*Physics at the CLIC Multi-TeV Linear Collider*”, CLIC Physics Working Group, hep-ph/0412251.
19. “*Particle Dark Matter from Physics Beyond the Standard Model*”, Proceedings of the Second International Conference on Particle and Fundamental Physics in Space (SpacePart 2003), preprint UFIFT-HEP-03-13, hep-ph/0402088.
18. “*TASI Lectures on Precision Electroweak Physics*”, TASI-2002 proceedings, preprint UFIFT-HEP-03-11, hep-ph/0402031.
17. “*The Beyond the Standard Model Working Group: Summary Report*”, (with G. Azuelos *et al.*), proceedings of the Workshop ‘Physics at TeV Colliders’, Les Houches, France, 21 May - 1 June 2001; hep-ph/0204031.
16. “*Indirect Investigations of Supersymmetry*”, (with G. Eigen, R. Gaitskell and G. Kribs), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0112312.
15. “*Post-LEP CMSSM Benchmarks for Supersymmetry*”, (with M. Battaglia, A. De Roeck, J. Ellis, F. Gianotti, K. Olive, L. Pape and G. Wilson), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0112013.
14. “*Particle and Astroparticle Searches for Supersymmetry*”, (with J. Feng and F. Wilczek), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0111295.
13. “*Supersymmetric Dark Matter Detection at Post-LEP Benchmark Points*”, (with J. Ellis, J. Feng, A. Ferstl and K. Olive), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0111294.
12. “ *$g_\mu - 2$ in Supersymmetry*”, (with J. Feng), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0111004.
11. “*Muon Dipole Moment Experiments: Interpretation and Prospects*”, (with J. Feng and Y. Shadmi), contributed to APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, 30 Jun - 21 Jul 2001; hep-ph/0110157.
10. “*Linear Collider Physics*”, report of the Linear Collider Physics Study Group at Fermilab, preprint FERMILAB-FN-701, hep-ex/0107044.
9. “*Linear collider physics resource book for Snowmass 2001*”, American Linear Collider Working Group, hep-ex/0106055, hep-ex/0106056, hep-ex/0106057, hep-ex/0106058.

8. “*Report of the Tevatron Higgs Working Group*”, report of the Higgs Working Group for the Tevatron Run II Workshop, hep-ph/0010338.
7. “*Low-Scale and Gauge-Mediated Supersymmetry Breaking at the Fermilab Tevatron Run II*”, report of the Gauge Mediation/Low Scale SUSY Breaking Working Group for the Tevatron Run II Workshop, hep-ph/0008070.
6. “*Report of the SUGRA Working Group for Run II of the Tevatron*”, report of the SUGRA Working Group Collaboration for the Tevatron Run II Workshop, hep-ph/0003154.
5. “*Naturalness Reexamined: Implications for Supersymmetry Searches*” (with J. Feng and T. Moroi), Proceedings of the VII International Symposium on Particles, Strings and Cosmology (PASCOS 99), Granlibakken, Tahoe City, California, December 10-16 1999, hep-ph/0003138.
4. “*Tau Jet Signals for Supersymmetry at the Tevatron*” (with J. Lykken), summary of talks given at the Run II SUSY/Higgs Workshop, Fermilab, May - November 1998; the Higgs and Supersymmetry conference, Gainesville, FL, March 7-11, 1999, and the International Symposium on Phenomenology for the Third Millennium (PHENO 99), Madison, WI, April 14-17, 1999; preprint FERMILAB-CONF-99/270-T, hep-ex/9910033.
3. “*Precision Corrections and Supersymmetric Unification*”, Ph.D. Thesis, Johns Hopkins University, August 1997.
2. “*Precise Predictions for Masses and Couplings in the Minimal Supersymmetric Standard Model*” (with J. Bagger and D. Pierce), in ‘*Beyond the Standard Model IV*’, Proceedings of Tahoe City 1994, Lake Tahoe, CA, 13-18 December, 1994, p. 363; hep-ph/9503422.
1. “*Complete Weak Scale Threshold Corrections in the Minimal Supersymmetric Standard Model*” (with J. Bagger and D. Pierce), in ‘*Physics from the Planck Scale to the Electroweak Scale*’, Proceedings of the Joint U.S.-Polish Workshop on Physics from Planck Scale to Electro-Weak Scale (SUSY 94), Warsaw, Poland, 21-24 September 1994, p. 162; hep-ph/9501378.

SPIRES citation index (as of January 4, 2007)

Categories	All publications	Refereed only
Famous papers (250-499 cites):	3	2
Very well-known papers (100-249):	16	11
Well-known papers (50-99):	6	5
Known papers (10-49):	25	19
Less known papers (1-9):	19	2
Unknown papers (0):	2	0
Total number of citations:	4765	3400
Average citations per paper:	67	87

Invited Presentations at Physics Conferences and Workshops

44. *"In Anticipation of the LHC"*, 'Getting Ready for the LHC' panel discussion, SUSY'06 conference, University of California, Irvine, CA, June 15, 2006.
43. *"Update on UF Theory Activities"*, Southeastern CMS Physics Workshop, University of Florida, Gainesville, May 31, 2006.
42. *"Summary of the Workshop Survey Results"*, MC4BSM Workshop, Fermilab, Batavia, IL, March 20, 2006.
41. *"Discovering and Testing Dark Matter in the Lab"*, Invited talk in the Dark Matter I session of the 2005 April APS Meeting, Tampa, April 16, 2005.
40. *"Universal Extra Dimensions"*, Invited talk in the Extra Dimensions session of the 2005 April APS Meeting, Tampa, April 16, 2005.
39. *"The Tevatron-LHC Physics Roadmap"*, TeV4LHC Workshop, Fermilab, Sept. 17, 2004.
38. *"Dark Matter Search from Space"*, COSPAR Scientific Assembly, Paris, July 20, 2004.
37. *"New Physics at LHC"*, CMS EMU Meeting, University of Florida, Gainesville FL, January 10, 2004.
36. *"SUSY Dark Matter?"*, Second International Conference on Particle and Fundamental Physics in Space (SpacePart '03), Washington DC, December 10, 2003.
35. *"Measuring Sfermion Mixing Angles and CP Violating Phases at the LHC and NLC"*, Second Workshop on the Discovery Potential of an Asymmetric B Factory at 10^{36} Luminosity, SLAC, October 22, 2003.
34. *"Implementing Universal Extra Dimensions in COMPHEP"*, American Linear Collider Workshop, Cornell University, Ithaca, NY, July 13, 2003.
33. *"Bosonic Supersymmetry"*, SUSY'03: "Supersymmetry in the Desert" conference, University of Arizona, Tucson, AZ, June 9, 2003.
32. *"One Loop Corrections to Kaluza-Klein Masses"*, "LoopFest", Brookhaven National Laboratory, Upton, NY, May 16, 2003.
31. *"Physics with Extra Dimensions"*, PHENO 2003 Symposium, University of Wisconsin, Madison, WI, May 7, 2003.
30. *"Particle Dark Matter Candidates from Physics beyond the Standard Model"*, APS Meeting, Philadelphia, April 6, 2003.
29. *"Focus Point Supersymmetry"*, SUGRA20 Conference, Northeastern University, Boston, March 18, 2003.
28. *"Bosonic Supersymmetry"*, Arlington Linear Collider Workshop, University of Texas at Arlington, January 10, 2003.
27. *"Supersymmetry"*, Theorists Rally for the Linear Collider, Arlington Linear Collider Workshop, University of Texas at Arlington, January 9, 2003.
26. *"SUSY and the Cosmic Connection"*, Arlington Linear Collider Workshop, University of Texas at Arlington, January 9, 2003.

25. “*Phenomenology of Bosonic Supersymmetry*”, SUSY’02 conference, DESY, Hamburg, June 17, 2002.
24. “*Extra Dimensions and Supersymmetry at the LHC*”, Meeting of the Japan ATLAS SUSY phenomenology group, Tokyo University, Tokyo, Japan, March 18, 2002.
23. “*The Rise and Fall of $g_\mu - 2$* ”, Aspen Winter Conference on Particle Physics, Aspen, CO, February 8, 2002.
22. “*Indirect SUSY Report*”, Summary of the activities of the “Indirect SUSY” Working Group, Snowmass 2001, July 18, 2001.
21. “*Fine Tuning and Theoretical Uncertainties*”, Argonne Theory Institute “From Supersymmetry To Extra Dimensions”, ANL, Argonne, IL, June 22, 2001.
20. “ *$g - 2$ of the Muon and Supersymmetry*”, “Searches Beyond the Standard Model” meeting, Cambridge, England, April 11, 2001.
19. “*The Anomalous Magnetic Moment of the Muon*”, “Higgs & Supersymmetry” conference, Orsay, France, March 19-22, 2001.
18. “Focal Point Theories”, CLIC Physics Study Group, CERN, October 5-6, 2000.
17. “*Funny Higgs Boson Decays and Run II*”, Aspen Center for Physics Workshop “New Physics at the TeV Scale and Beyond”, Aspen, September 5, 2000.
16. “*Unorthodox Searches for the Higgs Boson*”, presented at the 2000 DPF Meeting of The American Physical Society, The Ohio State University, Columbus, OH, August 9-12, 2000.
15. “*Unorthodox Higgs Signals in Run II*”, New Perspectives conf., Fermilab, June 28, 2000.
14. “*Alternative Higgs Boson Searches at the Tevatron*”, Theoretical Institute on SUSY and Higgs 2000, Argonne National Laboratory, Argonne, IL, May 11, 2000.
13. “*Phenomenology of Focus Point Supersymmetry*”, Pheno-2000 Symposium: Phenomenology for the Nu century, University of Wisconsin, Madison, WI, April 17-19, 2000.
12. “*SUSY Discovery Opportunities at the LHC and the NLC*”, Berkeley-2000: a workshop on the physics and detectors of future e^+e^- colliders, Lawrence Berkeley National Laboratory, Berkeley, CA, March 29-31, 2000.
11. “*What’s New with New Dimensions*”, International Conference on Orbis Scientiae, “Quantum Gravity, Generalized Theory of Gravitation and Superstring Theory-Based Unification”, Fort Lauderdale, FL, December 16-19, 1999.
10. “*Naturalness re-examined: implications for supersymmetry searches*”, PASCOS’99, Lake Tahoe, CA, December 10-16, 1999.
9. “*New Signals for Large Extra Dimensions at the Tevatron*”, SUSY’99 conference, Fermilab, June 14-19, 1999.
8. “*SUSY Reach of the Tevatron in Channels with Leptons and Tau Jets*”, Pheno’99 Symposium: Phenomenology for the Third Millenium, Madison, WI, April 12-14, 1999.
7. “*SUSY Signatures with Tau Jets at the Tevatron*”, “Higgs and Supersymmetry: Search and Discovery” conference, Gainesville, FL, March 8-11, 1999.
6. “*SUSY Tau Signals at Run II*”, Summary Meeting of the SUSY/Higgs Run II Workshop, Fermilab, November 19-21, 1998.

5. “*First Results with SHW for SUSY*”, SUGRA Working Group meeting, Run II Workshop, Fermilab, September 3, 1998.
4. “*Supersymmetry Reach of the Upgraded Tevatron*”, SUSY’98 conference, Oxford, England, July 12-17, 1998.
3. “*Light Stop Searches in Run II*”, SUGRA working group session, First General Meeting of the SUSY/Higgs Run II Workshop, Fermilab, May 13-16, 1998.
2. “*MSUGRA and Beyond: Comparison with GMSB and Non-minimal SUGRA*”, D0 New Phenomena Workshop, Davis, CA, March 26-29, 1998.
1. “*Aspects of SUSY $SO(10)$ Unification*”, Pheno-CTEQ Symposium, Madison, WI, March 23-26, 1998.

Seminars and Talks

45. “*Precision SUSY Measurements at the LHC: an Introduction*”, University of Florida, Gainesville, FL, December 13, 2005.
44. “*Precision Physics at the Highest Energies*”, Physics colloquium, University of California, Irvine, CA, March 3, 2005.
43. “*Cosmoparticle Connections*”, Lawrence Berkeley National Laboratory, Berkeley, CA, February 17, 2005.
42. “*CSI: Geneva 2007*”, Lawrence Berkeley National Laboratory, Berkeley, CA, February 16, 2005.
41. “*Discovery and Identification of New Physics in Particle and Astroparticle Physics Experiments*”, Cornell University, Ithaca, NY, January 28, 2005.
40. “*Dark Matter and Physics beyond the Standard Model at Colliders*”, LEPP Journal Club, Cornell University, Ithaca, NY, May 14, 2004.
39. “*Dark Matter and Physics beyond the Standard Model at Colliders*”, The Ohio State University, Columbus, OH, May 12, 2004.
38. “*The LHC-LC complementarity and other lessons from the Arlington Linear Collider Workshop*”, University of Florida, Gainesville, FL, February 24, 2003.
37. “*Bosonic Supersymmetry and Kaluza-Klein Dark Matter*”, University of Florida, Gainesville, FL, November 12, 2002.
36. “*Bosonic Supersymmetry and Kaluza-Klein Dark Matter*”, Florida State University, Tallahassee, FL, November 5, 2002.
35. “*Bosonic Supersymmetry and Kaluza-Klein Dark Matter*”, CERN, Geneva, Switzerland, August 16, 2002.
34. “*Bosonic Supersymmetry*”, Institut de Physique Théorique, Université de Lausanne, Lausanne, Switzerland, July 15, 2002.

33. “*Bosonic Supersymmetry? Getting Fooled at the LHC*”, CMS Physics Meeting, CERN, July 8, 2002.
32. “*The Quest for the Next Energy Frontier*”, Yukawa Institute for Theoretical Physics, Kyoto, Japan, March 6, 2002.
31. “*The Quest for the Next Energy Frontier*”, Tohoku University, Sendai, Japan, March 1, 2002.
30. “*A summary of my grant proposal*”, HEP seminar, Department of Physics, University of Florida, Gainesville, FL, January 22, 2002.
29. “*The Muon Magnetic Dipole Moment and Electric Dipole Moment*”, Aspen Center for Physics Workshop “Electroweak Symmetry Breaking and TeV Scale Physics after LEP”, Aspen, July 25, 2001.
28. “*Dark Matter Uncertainties vis-a-vis Benchmarks*”, SUSY Benchmark Discussion of the “Higgs + SUSY” Working Group, Snowmass 2001, July 9, 2001.
27. “*Dark Matter: What Can We Learn?*”, Dark Matter Jamboree of the “Indirect SUSY” Working Group, Snowmass 2001, July 7, 2001.
26. “ *$g - 2$ and SUSY*”, $g - 2$ Fest of the “Indirect SUSY” Working Group, Snowmass 2001, July 6, 2001.
25. “*The Quest for the Next High Energy Frontier*”, Department of Physics, University of Florida, Gainesville, FL, February 23, 2001.
24. “*The Quest for the Next High Energy Frontier*”, Department of Physics and Astronomy, Johns Hopkins University, Baltimore, MD, February 20, 2001.
23. “*The Quest for the Next High Energy Frontier*”, TH Division, CERN, Feb. 16, 2001.
22. “*Polarization at CLIC: Theories with Extra Dimensions*”, biweekly meeting of the CLIC Physics Study Group, CERN, February 14, 2001.
21. “*The Quest for the Next High Energy Frontier*”, Institute of Theoretical Physics, University of Lausanne, Lausanne, Switzerland, February 12, 2001.
20. “*Prospects for Indirect Detection of Neutralino Dark Matter*”, Theoretical Astrophysics Seminar, Fermilab, September 18, 2000.
19. “*Unorthodox Higgs Signals at the Tevatron and Beyond*”, Department of Physics and Astronomy, The University of Alabama, Tuscaloosa, AL, January 28, 2000.
18. “*Unorthodox Higgs Signals at the Tevatron and Beyond*”, Department of Physics and Astronomy, Johns Hopkins University, Baltimore, MD, January 26, 2000.
17. “*Unorthodox Higgs Signals at the Tevatron and Beyond*”, Physics Department, New York University, New York, NY, January 24, 2000.
16. “*Non-Standard Higgs Boson Searches at the Tevatron and Beyond*”, Theoretical Physics Group, Lawrence Berkeley Lab, Berkeley, CA, November 24, 1999.
15. “*Non-Standard Higgs Boson Searches at the Tevatron and Beyond*”, University of California, Davis, CA, November 23, 1999.
14. “*Non-Standard Higgs Boson Searches at the Tevatron and Beyond*”, Theoretical Physics Group, SLAC, November 22, 1999.

13. “*Naturalness Re-examined: Implications for Supersymmetry Searches*”, Ohio State University, Columbus, OH, November 10, 1999.
12. “*Focus Points and Naturalness in Supersymmetry*”, Theory Group, Argonne National Laboratory, September 27, 1999.
11. “*SUSY Reach of the Tevatron in Channels with Leptons and Tau Jets*”, Theory seminar, Fermilab, April 22, 1999.
10. “*Some New Supersymmetric Signatures at the Tevatron*”, University of Illinois, Urbana-Champaign, IL, October 12, 1998.
9. “*Supersymmetry Reach of an Upgraded Tevatron*”, Stanford University, Stanford, CA, April 2, 1998.
8. “*Supersymmetry at the Upgraded Tevatron*”, University of Wisconsin, Madison, WI, March 13, 1998.
7. “*Supersymmetry Reach of the Upgraded Tevatron*”, Purdue University, West Lafayette, IN, March 3, 1998.
6. “*Supersymmetry Reach of the Upgraded Tevatron*”, Northwestern University, Evanston, IL, February 9, 1998.
5. “*GMSB: II. Phenomenology*”, D0 New Phenomena Group, Fermilab, January 29, 1998.
4. “*GMSB: I. Models*”, D0 New Phenomena Group, Fermilab, January 15, 1998.
3. “*Precision Corrections to Mass Sum Rules in the MSSM*”, University of Michigan, Ann Arbor, MI, November 21, 1997.
2. “*Precision Corrections to Mass Sum Rules in the MSSM*”, Theory Group, Argonne National Laboratory, November 3, 1997.
1. “*Old and New Approaches to SUSY Unification*”, Theory Group, Brookhaven National Laboratory, June 29, 1995.