

# JONATHAN A. BAGGER

## ADDRESS

Department of Physics & Astronomy  
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## FACULTY APPOINTMENTS

Interim Provost & Senior Vice President for Academic Affairs, Johns Hopkins University, 2012-2013  
Vice Provost for Graduate and Postdoctoral Programs, Johns Hopkins University, 2008-present  
Chair, Department of Physics and Astronomy, Johns Hopkins University, 2002-2008  
Professor, Department of Mathematics, Johns Hopkins University, 1994-present  
Professor, Department of Physics and Astronomy, Johns Hopkins University, 1989-present  
Associate Professor, Lyman Laboratory of Physics, Harvard University, 1986-1989

## RESEARCH AND VISITING APPOINTMENTS

Member, School of Natural Sciences, Institute for Advanced Study, Princeton, 1985-1986, 1998  
Research Associate, Lyman Laboratory of Physics, Harvard University, 1985  
Theoretical Physicist, Stanford Linear Accelerator Center, Stanford University, 1984-1986  
Research Associate, Stanford Linear Accelerator Center, Stanford University, 1983-1984

## EDUCATION

Princeton University, Ph.D. 1983, A.M. 1980  
– *Matter Couplings in Supergravity Theories*, Advisor: Edward Witten  
– Norman M. Leff Foundation Fellowship, 1982-1983  
– National Science Foundation Fellowship, 1978-1981  
Cambridge University, Mathematical Tripos, Part III, 1978  
– Winston S. Churchill Foundation Scholarship, Churchill College, 1977-1978  
Dartmouth College, A.B. 1977  
– *Summa cum laude*, 1977  
– Majors in Physics and Mathematics/Economics, 1977  
– James B. Reynolds Fellowship, 1977  
– Phi Beta Kappa, 1976  
– Francis Towne Science Prize, 1975  
– National Merit Scholarship, 1973

## HONORS AND FELLOWSHIPS

Fellow, American Association for the Advancement of Science, 2008  
Krieger-Eisenhower Professor, Johns Hopkins University, 2003-present  
Ambrose Monell Foundation Fellowship, Institute for Advanced Study, Princeton, 1998  
Fellow, American Physical Society, 1997  
Presidential Young Investigator, National Science Foundation, 1987-1993  
Alfred P. Sloan Foundation Fellowship, 1987-1991  
William F. Milton Fund Award, Harvard University, 1987-1988

## UNIVERSITY SERVICE

### Office of the Provost

- Chair, Director Search Committee, High Performance Computing Facility, 2013-present
- Chair, Dean Search Committee, Whiting School of Engineering, 2013
- Chair, Council of Deans, 2012-2013
- Chair, Advisory Board of the Medical Faculty, 2012-2013
- Chair, Advisory Board, Bloomberg School of Public Health, 2012-2013
- Chair, Advisory Board, Nitze School of Advanced International Studies, 2012-2013
- Chair, Academic Council, Schools of Arts & Sciences and Engineering, 2012-2013
- Chair, Academic Council, Peabody Institute, 2012-2013
- Chair, Dean Search Committee, School of Nursing, 2012-2013
- President's Cabinet, 2012-2013
- Senior Planning Group, 2012-2013
- University Development Council, 2012-2013
- Board of Directors, Johns Hopkins Medicine International, 2012-2013
- Board of Directors, Johns Hopkins Urban Health Institute, 2012-2013
- Board of Directors, Jhpiego, 2012-2013
- Faculty Budget Advisory Committee, 2012-2013
- Institutional Compliance Oversight Committee, 2012-2013
- Chair, Decennial Reaccreditation Committee, 2012-present
- Board of Directors, Goddard Earth Sciences Technology and Research, 2011-present
- Benefits Advisory Committee, 2011-2012
- Chair, Society of Scholars Committee, 2011-present
- Chair, Information Security Advisory Committee, 2010-present
- Board of Directors, National Space Biomedical Research Institute, 2009-present
- Board of Directors, Astrophysical Research Consortium, 2009-present
- Institutional Representative, LSST Corporation, 2009-2011
- Principal Investigator, Human Language Technology Center of Excellence, 2008-present
- Advisory Board, Applied Physics Laboratory, 2008-2009
- Chair, Space Studies Initiative Working Group, 2008-2009
- Chair, People Working Group, Framework for the Future, 2008
- Leadership Development Program, 2008

### Krieger School of Arts and Sciences

- Member/Chair, Advisory Board, Johns Hopkins University Press, 2009-present
- Alumni Speaker (Baltimore, Chicago, Cincinnati, Los Angeles, New York), 2007-present
- Chair, Dean's Committee on Electronic Dissertations, 2008-2010
- Chair, Dean's Committee on Academic Council Elections, 2006
- Dean Search Committee, Krieger School of Arts and Sciences, 2005
- Provost's Committee on Classified Research Policy, 2004-2005
- Member/Chair, SAP Faculty Advisory Committee, 2004-2010
- Faculty Editorial Board, Johns Hopkins University Press, 2000-2008
- Chair, Committee on Postdoctoral Scholars, Krieger School of Arts and Sciences, 2000
- Department of Physics & Astronomy Executive Committee, 1998-2001
- Library Advisory Committee, 1998-present
- Chair, Krieger-Eisenhower Chair Committee, 1997-2000
- CIO Search Committee, 1997
- Dean Search Committee, Krieger School of Arts and Sciences, 1997
- Presidential Faculty Fellows Selection Committee, 1995
- Ad-Hoc Promotion Committee, 1995, 1996, 1997 (chair), 1998 (chair), 2000, 2001 (chair)
- Library Director Search Committee, 1995, 2001

- Co-Director, Mid-Atlantic Center for Collider Theory, 1992-1993
- Director, Theoretical Interdisciplinary Physics and Astrophysics Center, 1990-1998

## PROFESSIONAL SERVICE

### International Linear Collider

- Linear Collider Board, 2013-present
- Americas Linear Collider Committee, 2013-present
- Chair, International Linear Collider Steering Committee, 2009-2013
- Linear Collider Steering Group of the Americas, 2005-2013
- International Linear Collider Technology Recommendation Panel, 2004
- United States Linear Collider Steering Group, 2002-2004
- World-Wide Coordinating Committee, Linear Collider Collaboration, 1998-2002

### National Research Council

- Chair, Review Committee, Board on Physics and Astronomy, 2010
- Elementary Particle Physics 2010 Committee, 2005-2006
- Board on Physics and Astronomy, 2002-2008

### Department of Energy / National Science Foundation

- AMS “Blue Ribbon” DOE Evaluation Panel, 2013
- LBNE Reconfiguration Committee, Fermilab, 2012
- SLAC Scientific Policy Committee, Stanford University, 2011-present
- NSF Physics Frontier Center Panel, 2010
- NSF Principal Investigator, LHC Theory Initiative, 2007-present
- Accelerator Steering Group, Fermilab, 2007
- Vice Chair, DOE/NSF High Energy Physics Advisory Panel (HEPAP), 2006-2008
- HEPAP Committee: Dark Matter Scientific Advisory Group, 2006-2007
- HEPAP Committee: University Grants Program, 2006-2007
- HEPAP Committee: Discovering the Quantum Universe, 2005
- HEPAP Committee: Quantum Universe, 2004
- NSF Mathematical and Physical Sciences Theory Workshop, 2004
- Director’s Advisory Committee, Lawrence Berkeley National Laboratory, 2003-2005
- DOE/NSF High Energy Physics Advisory Panel, 2002-2004
- Co-Chair, HEPAP Panel on Long Range Planning for U.S. High Energy Physics, 2001-2002
- Fermilab Visiting Committee, Universities Research Association, 2001
- NSF MRE Panel for Elementary Particle Physics, 1999-2000
- DOE Review Panel, Brookhaven National Laboratory, 1999
- Fermilab Board of Overseers, Universities Research Association, 1998-2006
- HEPAP Panel on the Future of U.S. High Energy Physics, 1997-1998
- NSF Special Emphasis Panel for Theoretical Physics, 1996-1997
- SLAC Scientific Policy Committee, Stanford University, 1995-1997
- HEPAP Panel on the Future of U.S. High Energy Physics, 1994
- NSF Panel on Teacher Preparation and Enhancement, 1989
- DOE/NSF Proposal Reviews, 1989-present

### American Physical Society

- Member/Chair, Sakurai Prize Committee, 2012-present
- Nominating Committee, 2010-2012
- Member/Chair, Committee on International Scientific Affairs, 2006-2010
- Member/Chair, Lilienfeld Prize Committee, 2005-2007
- Executive Board, 2002-2003
- Chair Line, Division of Particles and Fields, 2001-2004

- Heineman Prize Committee, 2000-2001
- General Councillor, 2000-2003
- Centennial Speaker, 1999
- Journal Pricing Subcommittee, 1997-1998
- Secretary-Treasurer, Division of Particles and Fields, 1995-1997
- Convener, Particle Physics in the 1990's, Snowmass, Colorado, 1995-1996
- *Physical Review D* Editor Search Committee, 1995
- Committee on Long Term Planning, Division of Particles and Fields, 1995

#### Editorial Boards

- Associate Editor, *Physical Review D*, 1998-2007
- Editorial Board, *Physics Reports*, 1998-present
- Editorial Board, *Journal of High Energy Physics*, 1997-present
- Associate Editor, *Physical Review Letters*, 1990-1993

#### Other

- Alumni Advisory Board, Physics & Astronomy, Dartmouth College, 2011-present
- Board of Directors, Association of Universities for Research in Astronomy, 2012-2013
- Advisor, Theoretical Physics, Simons Foundation, 2011-present
- Member/Chair, Space Telescope Institute Council, 2008-present
- Member Representative, Association of Universities for Research in Astronomy, 2008-2009
- Dean's Advisory Committee, Laboratory for Nuclear Science, MIT, 2007-2013
- Chair, Scientific Advisory Board, Theoretical Advanced Study Institute, 2006-2011
- Trustee, Aspen Center for Physics, 2002-2008
- Priority Program in String Theory, Deutsche Forschungsgemeinschaft, 2000
- Scientific Director, TASI 97, Boulder, Colorado, 1997
- General Member, Aspen Center for Physics, 1996-present
- Consultant, Westinghouse Talent Search, 1995
- Selection Committee, Churchill Scholarships, Winston S. Churchill Foundation, 1987-1988, 2003, 2008

## GRANTS AND CONTRACTS

#### National Science Foundation

- *High Speed Science DMZ @ Johns Hopkins for Data Intensive Computing*, \$494,874, 2013
- *Particle Physics and Cosmology: Theory Meets Data*, \$1,050,000, 2012-present
- *100G Connectivity for Data-Intensive Computing at JHU*, \$961,000, 2012-present
- *Particle Theory in the LHC Era*, \$1,511,000, 2010-2013
- *Advanced CyberInfrastructure for Data Intensive Computing*, \$1,337,000, 2010-2013
- *LHC Theory Initiative*, \$2,107,000, 2007-present
- *Sustainable Partnership for Internships in Public Science Education*, \$272,000, 2005-2010
- *Theories of Matter, Energy, Space and Time*, \$1,933,000, 2004-2009
- *Research in Particle Theory*, \$1,097,000, 1999-2004
- *Research in Particle Theory*, \$712,000, 1994-2000
- *Quantum Universe*, \$10,000, 2004
- *HEPAP Subpanel Brochure*, \$22,000, 2003
- *Particles, Strings and Cosmology Conference*, \$20,000, 1995
- *NATO-East Europe Fellowship Program*, 1993
- *Presidential Young Investigator*, \$267,000, 1987-1994

#### Department of Defense

- *Human Language Technology Center of Excellence*, 2008-present

Department of Energy

- *Particles, Strings and Cosmology Conference*, 1995
- *DPF Conference on the Future of Particle Physics*, 1994

NASA

- *Particles, Strings and Cosmology Conference*, 1995

Texas National Research Laboratory Commission

- *Mid-Atlantic Center for Collider Theory*, 1993

## **COURSES**

Introduction to Wave Phenomena  
Classical Mechanics  
Electrodynamics  
Quantum Field Theory  
Lie Groups and Lie Algebras  
General Relativity and Cosmology  
Topics in Particle Theory: Supersymmetry and Supergravity  
Topics in Particle Theory: Precision Electroweak Physics  
Research in Particle Theory

## **GRADUATE STUDENTS**

Jingsheng Li (current)  
George Bruhn (University of Alabama)  
Ian Tolfree (Johns Hopkins University)  
Chi Xiong (Nanyang Technological University)  
Dmitry Belyaev (University of Rochester)  
Michele Redi (Università di Firenze)  
Richard Altendorfer (TRW Automotive)  
Konstantin Matchev (University of Florida)  
Ren-Jie Zhang (QFR Capital Management, L.P.)  
Erich Poppitz (University of Toronto)  
Chris Arnade (Citibank; Chris Arnade Photography)  
Mark Goulian (University of Pennsylvania)  
Carl Schmidt (Michigan State University)

## **CONFERENCE ADVISORY AND ORGANIZING COMMITTEES**

Chair, 50th Anniversary Committee, Aspen Center for Physics, Aspen, Colorado, 2012  
International Conference on Supersymmetry, Irvine, California, 2006  
International Conference on Supersymmetry, Hamburg, Germany, 2002  
Workshop on Electroweak Physics After LEP, Aspen, Colorado, 2001  
International Conference on Supersymmetry, Dubna, Russia, 2001  
Higgs and Supersymmetry: Search and Discovery, Paris, France, 2000-2001  
International Conference on Supersymmetry, Geneva, Switzerland, 2000  
Workshop on Phenomenology of Superbranes, Aspen, Colorado, 1999  
Supersymmetry and Quantum Field Theory, Kharkov, Ukraine, 1999  
International Conference on Supersymmetry, Batavia, Illinois, 1999  
Higgs and Supersymmetry: Search and Discovery, Gainesville, Florida, 1998-1999  
Workshop on Physics at TeV Colliders, Les Houches, France, 1998-1999  
Rencontres de Moriond, Les Arcs, France, 1997-2003  
Particles, Strings, Cosmology, 1996-present

Supersymmetries and Quantum Symmetries, Dubna, Russia, 1996-present  
Beyond the Standard Model, Belsen, Norway, 1997  
International Conference on Supersymmetry, Philadelphia, Pennsylvania, 1997  
PASCOS/Hopkins Symposium on Particles, Strings and Cosmology, Baltimore, Maryland, 1995  
DPF Workshop on the Future of Particle Physics, Baltimore, Maryland, 1994  
Aspen Winter Conference on Elementary Particle Physics, Aspen, Colorado, 1994  
U.S.-Japan Conference on Geometry and Quantum Field Theory, Baltimore, Maryland, 1992  
Mid-Atlantic Workshop on Collider Theory, Baltimore, Maryland, 1992  
Frontiers of Science Symposium, National Academy of Sciences, Irvine, California, 1988

## **INVITED TALKS, INTERNATIONAL CONFERENCES**

European Linear Collider Workshop, Hamburg, Germany, 2013  
Funding Agencies for Large Colliders, Chicago, Illinois, 2012  
International Conference on Supersymmetry, Beijing, China, 2012  
Asian Physics/Detector Workshop on the Linear Collider, Daegu, Korea, 2012  
Funding Agencies for Large Colliders, Kanagawa, Japan, 2012  
Japan Society for the Promotion of Science, Sendai, Japan, 2011  
International Linear Collider Workshop, Granada, Spain, 2011  
Linear Collider Workshop of the Americas, Eugene, Oregon, 2011  
Funding Agencies for Large Colliders, Geneva, Switzerland, 2011  
Annual Meeting, APS Division of Particles and Fields, Providence, Rhode Island, 2011  
Funding Agencies for Large Colliders, Stanford, California, 2010  
International Linear Collider Workshop, Beijing, China, 2010  
Funding Agencies for Large Colliders, Mumbai, India, 2010  
Congress, Canadian Association of Physicists, Toronto, Canada, 2010  
Prospects in Theoretical Physics, Princeton, New Jersey, 2010  
ADS/CFT: New Developments and Applications, Princeton, New Jersey, 2009  
Johns Hopkins Workshop, Göteborg, Sweden, 2009  
International Linear Collider Workshop, Chicago, 2008  
3D SCFTs and Their Gravity Duals, McGill University, Montreal, Canada, 2008  
Memorial Conference in Honor of Julius Wess, Munich, Germany, 2008  
New England String Meeting, Providence, Rhode Island, 2008  
Project X Workshop, Fermilab, Batavia, Illinois, 2007  
From the Planck Scale to the Electroweak Scale, Saclay, France, 2006  
International Linear Collider Workshop, Stanford, California, 2005  
Prospects in Theoretical Physics, Princeton, New Jersey, 2005  
Balkan Workshop, Vrnjacka Banja, Serbia, 2005  
Julius Wess Symposium, Munich, Germany, 2005  
From the Planck Scale to the Electroweak Scale, Madrid, Spain, 2003  
Frontiers Beyond the Standard Model, Minneapolis, Minnesota, 2002  
International Conference on Supersymmetry, Hamburg, Germany, 2002  
Conference on Supersymmetry and Extra Dimensions, Warsaw, Poland, 2001  
From Planck Scale to Electroweak Scale, Warsaw, Poland, 2000  
DPF/DPB Summer Study on the Future of High Energy Physics, Snowmass, Colorado, 2001  
International Conference on Supersymmetry, Geneva, Switzerland, 2000  
Santa Fe Workshop on Physics in Extra Dimensions, Santa Fe, New Mexico, 2000  
Higgs and Supersymmetry: Search and Discovery, Gainesville, Florida, 1999  
Phenomenology for the Third Millennium, Madison, Wisconsin, 1999  
New Ideas in Particle Physics, Philadelphia, Pennsylvania, 1999  
International Conference on Supersymmetry, Batavia, Illinois, 1999  
International Conference on Particles, Strings and Cosmology, Boston, Massachusetts, 1998  
International Conference on Supersymmetry, Oxford, U.K., 1998

From the Planck Scale to the Electroweak Scale, Kazimierz, Poland, 1998  
 Joint Meeting of the APS/ AAPT, Columbus, Ohio, 1998  
 Johns Hopkins Workshop on Current Problems in Particle Theory, Lanzhou, China, 1997  
 International Seminar on Supersymmetries and Quantum Symmetries, Dubna, Russia, 1997  
 International Conference on Supersymmetry, Philadelphia, Pennsylvania, 1997  
 DPF/DPB Summer Study on New Directions for High Energy Physics, Snowmass, Colorado, 1996  
 International Conference on Supersymmetry, College Park, Maryland, 1996  
 From the Planck to the Electroweak Scale, Warsaw, Poland, 1996  
 Joint Meeting of the APS/ AAPT, Indianapolis, Indiana, 1996  
 Beyond the Standard Model, Lake Tahoe, California, 1995  
 Theoretical Advanced Study Institute, Boulder, Colorado, 1995  
 International Conference on Supersymmetry, Paris, France, 1995  
 P-Bar P Workshop, Batavia, Illinois, 1995  
 From the Planck to the Electroweak Scale, Warsaw, Poland, 1994  
 Johns Hopkins Workshop on Current Problems in Particle Theory, Florence, Italy, 1994  
 Workshop on Electroweak Symmetry Breaking, Santa Barbara, California, 1994  
 Supersymmetry Workshop, Aspen, Colorado, 1993  
 Workshop on the Properties of Supersymmetric Particles, Erice, Italy, 1993  
 Lanczos International Centenary Conference, Raleigh, North Carolina, 1993  
 Johns Hopkins Workshop on Current Problems in Particle Theory, Budapest, Hungary, 1993  
 Workshop on Physics at Current Accelerators and the Supercollider, Argonne, Illinois, 1993  
 Aspen Winter Conference on Elementary Particle Physics, Aspen, Colorado, 1993  
 Annual Meeting, APS Division of Particles and Fields, Batavia, Illinois, 1992  
 Workshop on the Properties of Supersymmetric Particles, Erice, Italy, 1992  
 International Conference on High Energy Physics, Dallas, Texas, 1992  
 Gordon Research Conference, Andover, New Hampshire, 1992  
 Beyond the Standard Model, Ottawa, Canada, 1992  
 Theoretical Advanced Study Institute, Boulder, Colorado, 1991  
 International Conference on Particles, Strings and Cosmology, Boston, Massachusetts, 1991  
 DPF Summer Study on the High Energy Physics, Snowmass, Colorado, 1990  
 International Conference on Physics and Geometry, Tahoe, California, 1989  
 Escuela Mexicana de Particulas y Campos, Cuernavaca, Mexico, 1988  
 Banff Summer Institute on Particles and Fields, Banff, Canada, 1988  
 Theoretical Advanced Study Institute, Santa Fe, New Mexico, 1987  
 Johns Hopkins Workshop on Current Problems in Particle Theory, Lanzhou, China, 1987  
 Annual Meeting, APS Division of Particles and Fields, Salt Lake City, Utah, 1987  
 Workshop on Superstrings, Santa Barbara, California, 1986  
 International Conference on High Energy Physics, Berkeley, California, 1986  
 NATO Advanced Study Workshop on Gravity and Supergravity, Logan, Utah, 1986  
 Annual Meeting, APS Division of Particles and Fields, Santa Fe, New Mexico, 1984  
 Workshop, Laboratoire de Physique Théorique de l'Ecole Normale Supérieure, Paris, France, 1984  
 Bonn-NATO Advanced Study Institute on Supersymmetry, Bonn, West Germany, 1984  
 International Conference on High Energy Physics, Leipzig, East Germany, 1984

## **OUTREACH AND OTHER PRESENTATIONS**

"Science Diplomacy," AAAS Annual Meeting, Boston, Massachusetts, 2013  
 "International Linear Collider – TDR Handover," Press Conference, Tokyo, Japan, 2012  
 "Dark Matters," Planetarium Show, Maryland Science Center, Baltimore, Maryland, 2008-2010  
 "The International Linear Collider: A Telescope for the Terascale," AAAS Annual Meeting, San Francisco, California, 2007  
 "The Structure of Space and Time," DARPA Defense Sciences Office, Arlington, Virginia, 2005  
 "Beyond the Nucleus: Matter, Energy, Space and Time," Atoms for Peace Conference,

Washington, D.C., 2003  
 "Beyond Dirac: Particle Physics in the 21st Century," Dirac Symposium, Florida State University, Tallahassee, Florida, 2002  
*Weekend Edition*, National Public Radio, October 29, 2000  
 "Scholarly Communication in the Internet Age," Scholarly Communications Symposium, Purdue, Indiana, 2000  
 "Scholarly Publication in the E-Print Era," New Challenges for Scholarly Communication in the Digital Era, and Scholarly Publishing and Academic Resources Coalition, Washington, D.C., 1999  
 "The Microphysical Origin of Mass," Heinz R. Pagels Memorial Lecture, Aspen, Colorado, and Philosophical Society of Washington, Washington, D.C., 1999  
*Morning Edition*, National Public Radio, August 24, 1998  
 "The Problem of Mass," Goddard Space Flight Center, Greenbelt, Maryland, 1996

## BOOKS

1. *Current Problems in Particle Theory: Strong Matter in the Heavens*, eds. J. Bagger, G. Domokos, D. Kaplan, S. Kovese-Domokos, R. Sundrum, PoS 22 (2005).
2. *Concise Encyclopedia of Supersymmetry and Noncommutative Structures in Mathematics and Physics*, eds. S. Duplij, W. Siegel and J. Bagger, Kluwer (2003).
3. *Building Blocks of Matter: Supplement to the Macmillan Encyclopedia of Physics*, eds. J. Bagger, J. Rigden and R. Streuer, Thompson-Gale (2003).
4. *Supersymmetry, Supergravity and Supercolliders: TASI 97*, ed. J. Bagger, World Scientific (1999).
5. *Particles, Strings and Cosmology*, eds. J. Bagger, G. Domokos, A. Falk, S. Kovese-Domokos, World Scientific, New Jersey (1996).
6. *Particle Physics: Perspectives and Opportunities*, eds. R. Peccei, M. Zeller, D. Cassel, J. Bagger, R. Cahn, P. Grannis and F. Sciulli, World Scientific, New Jersey (1995).
7. *Supersymmetry and Supergravity*, J. Wess and J. Bagger, Princeton University Press, Princeton (1983); revised edition (1992).

## REFEREED PUBLICATIONS

Average of 106 citations/publication; h factor of 44.

1. "Multiple Membranes in M-theory," J. Bagger, N. Lambert, S. Mukhi and C. Papageorgakis, *Phys. Rept.* 527 (2013) 1.
2. "Supersymmetric Nonlinear Sigma Model in AdS(5)," J. Bagger and J. Li, *Phys. Lett. B* 702 (2011) 291.
3. "Three-Algebras in N = 5, 6 Superconformal Chern-Simons Theories: Representations and Relations," J. Bagger and G. Bruhn, *Phys. Rev. D* 83 (2011) 025003.
4. "Three-Algebras and N=6 Chern-Simons Gauge Theories," J. Bagger and N. Lambert, *Phys. Rev. D* 79 (2009) 025002.
5. "Comments on Multiple M2-Branes," J. Bagger and N. Lambert, *JHEP* 0802 (2008) 105.
6. "Gauge Symmetry and Supersymmetry of Multiple M2-Branes," J. Bagger and N. Lambert, *Phys. Rev. D* 77 (2008) 065008.
7. "Modeling Multiple M2's," J. Bagger, and N. Lambert, *Phys. Rev. D* 75 (2007) 045020.
8. "Decoupling and Destabilizing in Spontaneously Broken Supersymmetry," J. Bagger and A. Falk, *Phys. Rev. D* 76 (2007) 105026.



9. "Supersymmetry Parameter Analysis: SPA Convention and Project," J. Aguilar-Saavedra, et al., *Eur. Phys. J. C* **46** (2006) 43.
10. "N=2 Nonlinear Sigma Models in N=1 Superspace: Four and Five Dimensions," J. Bagger and C. Xiong, hep-th/0601165 (unpublished).
11. "Super-Higgs Mechanism in String Theory," J. Bagger and I. Giannakis, *Phys. Rev. D, Phys. Rev. D* **73** (2006) 106002.
12. "Brane-Localized Goldstone Fermions in Bulk Supergravity," J. Bagger and D. Belyaev, *Phys. Rev. D* **72** (2005) 065007.
13. "Radion Effective Theory in the Detuned Randall-Sundrum Model," J. Bagger and M. Redi, *JHEP* **0404** (2004) 031.
14. "Supersymmetry Breaking by Wilson Lines in AdS(5)," J. Bagger and M. Redi, *Phys. Lett. B* **582** (2004) 117.
15. "Twisting Warped Supergravity," J. Bagger and D. Belyaev, *JHEP* **0306** (2003) 013.
16. "Supersymmetric Branes with (Almost) Arbitrary Tensions," J. Bagger and D. Belyaev, *Phys. Rev. D* **67** (2003) 025004.
17. "Brane Induced Supersymmetry Breaking," J. Bagger, F. Feruglio and F. Zwirner, *JHEP* **0202** (2002) 010.
18. "Generalized Symmetry Breaking on Orbifolds," J. Bagger, F. Feruglio and F. Zwirner, *Phys. Rev. Lett.* **88** (2002) 101601.
19. "Spacetime Supersymmetry in a Nontrivial NS-NS Superstring Background," J. Bagger and I. Giannakis, *Phys. Rev. D* **65** (2002) 046002.
20. "Supersymmetric Radion in the Randall-Sundrum Scenario," J. Bagger, D. Nemeschansky and R.-J. Zhang, *JHEP* **0108** (2001) 057.
21. "Supersymmetric Randall-Sundrum Scenario," R. Altendorfer, J. Bagger and D. Nemeschansky, *Phys. Rev. D* **63** (2001) 125025.
22. "Quantum Inconsistency of Einstein Supergravity," J. Bagger, T. Moroi and E. Poppitz, *Nucl. Phys. B* **594** (2001) 354.
23. "Anomaly Mediation in Supergravity Theories," J. Bagger, T. Moroi and E. Poppitz, *JHEP* **0004** (2000) 009.
24. "Precision Observables and Electroweak Theories," J. Bagger, A. Falk and M. Swartz, *Phys. Rev. Lett.* **84** (2000) 1385.
25. "Gaugino Condensation in N = 1 Supergravity Models with Multiple Dilaton-Like Fields," J. Bagger and Y.-Y. Wu, *Phys. Rev. D* **60** (1999) 084010.
26. "Superheavy Supersymmetry from Scalar Mass A-Parameter Fixed Points," J. Bagger, J. Feng, N. Polonsky and R.-J. Zhang, *Phys. Lett. B* **473** (2000) 264.
27. "Naturally Heavy Scalars in Supersymmetric Grand Unified Theories," J. Bagger, J. Feng and N. Polonsky, *Nucl. Phys. B* **563** (1999) 3.
28. "Dual Anti-de Sitter Superalgebras from Partial Supersymmetry Breaking," R. Altendorfer and J. Bagger, *Phys. Rev. D* **61** (2000) 104004.
29. "Dual Supersymmetry Algebras from Partial Supersymmetry Breaking," R. Altendorfer and J. Bagger, *Phys. Lett. B* **460** (1999) 127.
30. "The Tensor Goldstone Multiplet for Partially Broken Supersymmetry," J. Bagger and A. Galperin, *Phys. Lett. B* **412** (1997) 296.
31. "QCD Corrections to Flavor Changing Neutral Currents in the Supersymmetric Standard Model," J. Bagger, K. Matchev, and R.-J. Zhang, *Phys. Lett. B* **412** (1997) 77.

32. "Higgs Mechanism in String Theory," J. Bagger and I. Giannakis, *Phys. Rev. D* **56** (1997) 2317.
33. "Gauge and Yukawa Unification in Models with Gauge Mediated Supersymmetry Breaking," J. Bagger, K. Matchev, D. Pierce and R.-J. Zhang, *Phys. Rev. Lett.* **78** (1997) 1002; (E) **78** (1997) 2497.
34. "Weak Scale Phenomenology in Models with Gauge Mediated Supersymmetry Breaking," J. Bagger, K. Matchev, D. Pierce and R.-J. Zhang, *Phys. Rev. D* **55** (1997) 3188.
35. "Precision Corrections in the Minimal Supersymmetric Standard Model," D. Pierce, J. Bagger, K. Matchev and R.-J. Zhang, *Nucl. Phys. B* **491** (1997) 3.
36. "New Goldstone Multiplet for Partially Broken Supersymmetry," J. Bagger and A. Galperin, *Phys. Rev. D* **55** (1997) 1091.
37. "Precision Corrections to Supersymmetric Unification," J. Bagger, K. Matchev and D. Pierce, *Phys. Lett. B* **348** (1995) 443.
38. "Destabilizing Divergences in Supergravity Theories at Two Loops," J. Bagger, E. Poppitz and L. Randall, *Nucl. Phys. B* **455** (1995) 59.
39. "Matter Couplings in Partially Broken Extended Supersymmetry," J. Bagger and A. Galperin, *Phys. Lett. B* **336** (1994) 25.
40. "The R Axion from Dynamical Supersymmetry Breaking," J. Bagger, E. Poppitz and L. Randall, *Nucl. Phys. B* **426** (1994) 3.
41. "Destabilizing Divergences in Supergravity-Coupled Supersymmetric Theories," J. Bagger and E. Poppitz, *Phys. Rev. Lett.* **71** (1993) 2380.
42. "LHC Analysis of the Strongly Interacting WW System: Gold Plated Modes," J. Bagger, V. Barger, K. Cheung, J. Gunion, T. Han, G. Ladinsky, R. Rosenfeld and C.-P. Yuan, *Phys. Rev. D* **52** (1995) 3878.
43. "The Strongly Interacting WW System: Gold Plated Modes," J. Bagger, V. Barger, K. Cheung, J. Gunion, T. Han, G. Ladinsky, R. Rosenfeld and C.-P. Yuan, *Phys. Rev. D* **49** (1994) 1246.
44. "Effective Field Theory of Anomalous Gauge-Boson Couplings at High-Energy pp Colliders," J. Bagger, S. Dawson and G. Valencia, *Nucl. Phys. B* **399** (1993) 364.
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