

Teviet David Creighton

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CITIZENSHIP CANADIAN

DEPARTMENT OF PHYSICS
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DEGREES

- 2000 Doctor of Philosophy in theoretical physics
 California Institute of Technology, Adviser: Kip S. Thorne
 Thesis title: *From the Big Bang to Tumbleweeds: Analysis of signals from relic gravitons, neutron stars, and terrestrial gravitational noise in gravitational wave detectors*
- 1994 Bachelor of Science (with first class honours)
 major in Physics and minor in Astrophysics
 University of Calgary, Alberta

EMPLOYMENT

- 2015–present Associate Professor
 University of Texas Rio Grande Valley
- 2013–2015 Associate Professor
 University of Texas at Brownsville
- 2007–2013 Assistant Professor
 University of Texas at Brownsville
- 2005–2006 Postdoctoral Researcher
 Jet Propulsion Laboratory
- 2001–2005 Postdoctoral Researcher
 California Institute of Technology
- 1999–2001 Postdoctoral Researcher
 University of Wisconsin – Milwaukee
- 1998–1999 Research Assistant
 California Institute of Technology
 (Supervisor: Kip S Thorne)

1994–1998 Teaching Assistant
California Institute of Technology
(Supervisors: Donald Skelton and Frank Porter)

1992–1994 Research Assistant
University of Calgary
(Supervisors: David Hobill and Sun Kwok)

AWARDS AND HONORS

- 1999 Jocelyn Bell Prize for best student presentation at 15th Pacific Coast Gravity Meeting
- 1997 Jocelyn Bell Prize for best student presentation at 13th Pacific Coast Gravity Meeting
- 1994–95 Natural Sciences and Engineering Research Council of Canada (NSERC) Postgraduate Scholarship (awarded but not received due to studies in the US)
- 1994 Lieutenant Governor’s Gold Medal for highest achievement in the Faculty of Science at University of Calgary
- 1994 The Department of Physics Venkatesan Silver Medallion for achievement of the highest proficiency in field of study
- 1992–94 NSERC Undergraduate Student Research Awards
- 1990–94 Canada Science Scholarships
- 1990 University of Calgary Maths Extension Programme Prize
- 1990 The Chemical Institute of Canada High School Chemistry Exam, Special Merit Award, placed first in Alberta
- 1990 Chem 13 News Research Assistantship Examination, placed 4th in Canada
- 1990 Euclid Mathematics Contest, placed 5th out of 10 000 in Canada

TEACHING EXPERIENCE

Graduate gravitational-wave physics and data analysis

Graduate Classical Mechanics

Undergraduate Classical Mechanics

Undergraduate Modern Physics

Undergraduate Electrodynamics

Undergraduate College Physics

Physical Science for Educators

PROFESSIONAL ACTIVITIES

Grants Funded

NSF-AST 1547443: "Collaborative Research: Radio Frequency Interference Aware Radio Astronomy Systems", \$375,000 over 3 years. PI: T. Creighton. Co-I: F. Jenet.

DoD 60495-EL-REP: "LoFASM: A Low Frequency All Sky Monitor for Radio Transients and Student Training", \$610,082 over 3 years. PI: F. Jenet. Co-Is: R. Price, T. Creighton.

NSF-PHY 0855432: "Radio telescopes and gravitational-wave observatories: Two windows on the same Universe", \$80,000 over 2 years. PI: T. Creighton.

NSF-AST 0750913: "Pulsar Search Partnerships: Attracting Talented Young Hispanic Students into Careers in Astrophysics", \$1,055,565 over 5 years. PI: F. Jenet. Co-Is: M. Benacquista, T. Creighton, A. Rodriguez-Zerneno.

Refereeing Duties

New Journal of Physics

Classical and Quantum Gravity

The Astrophysical Journal

Physical Review D

US National Science Foundation

Invited Talks

- May 2015 "A Sound of Thunder: Atmospheric Gravitational Noise"
Gravitational Waves Advanced Detectors Workshop, Anchorage, Alaska
- July 2014 "Spectral Analysis"
Astronomy Ambassadors summer academy, University of Texas, Brownsville
- June 2012 "Planets and Starsystems"
Astronomy Ambassadors summer academy, University of Texas, Brownsville
- September 2011 "Tuning in to gravitational waves with radio telescopes"
Joint Conference of the National Society of Black Physicists and National Society of Hispanic Physicists, Austin, Texas
- May 2011 "Exploring the galactic neutron star population with gravitational waves"
American Physical Society meeting, Anaheim, California
- November 2010 "Extreme Astronomy"
Science Academy of South Texas, Mercedes
- October 2010 "Gamma-ray bursts, radio flares, and gravitational waves: Common sources and joint observations"
Astrophysics seminar, Nanjing University, Nanjing, China
- June 2010 "Listening to the Universe with gravitational waves"
Astronomy Ambassadors summer academy, University of Texas, Brownsville
- September 2009 "Gamma-ray bursts and gravitational waves"
CGWA seminar, University of Texas, Brownsville, Texas
- December 2008 "Pulsar timing near supermassive black holes"
Gravity seminar, University of Wisconsin, Milwaukee
- October 2008 "Planets"
Space Odyssey public lecture, Brownsville Museum of Fine Art, Brownsville
- February 2008 "Sound and fury: Listening to black holes and the Big Bang with LISA"
Monday Night Physics public lecture, University of Texas, Brownsville

- June 2006 “Einstein@home: Tapping into global interest in LIGO for gravitational pulsar searches”
Caltech-JPL Gravitational Wave Research seminar, California Institute of Technology, Pasadena
- November 2005 “Measuring supermassive black holes with LISA”
Xiamen University, Fujian, China
- October 2005 “Measuring properties of pulsar populations using LIGO”
University of Texas, Brownsville
- October 2005 “Data analysis methods for Galactic binaries”
Analysis Methods for Interferometric Gravitational-wave Observatories in Space (AMIGOS) meeting, Pasadena, California
- October 2004 “Gravitational Waves: Listening to the Universe”
Chinese-American Frontiers of Science Symposium, Irvine, California
- March 2004 “Einstein@home: Massive distributed computing for gravitational-wave detection”
World Year of Physics 2005 Second Preparatory Meeting, Montreal, Québec
- April 2003 “First LIGO/GEO Upper Limits on Pulsar Gravitational Emissions”
Caltech-JPL Gravitational Wave Research Seminar, California Institute of Technology, Pasadena, California
- December 2002 “LIGO-II: Sources and Astrophysics”
Gravitational Wave Data Analysis Workshop, Kyoto, Japan
- December 2002 “Gravitational Capture”
Gravitational Wave Data Analysis Workshop, Kyoto, Japan
- October 2002 “Bothrodesy: The promise and challenges of extreme-mass-ratio inspirals”
Gravitational Radiation Source Simulation and Data Analysis Focus Session, Pennsylvania State University, State College, Pennsylvania
- October 2002 “Extreme-mass-ratio inspirals: A data analysis problem for LISA”
LIGO seminar, California Institute of Technology, Pasadena, California
- November 1999 “Sonic booms and tumbleweeds as detectable gravitational signals in LIGO”
Gravity seminar, University of Wisconsin, Milwaukee

Contributed Talks

- October 2010 “Gravity Gradient Noise: An Overview”
International Workshop on Gravitational Waves Detection with Atom Interferometry, Zhejiang University, Hangzhou, China
- January 2009 “Pulsar timing near supermassive black holes: I. Schwarzschild holes and eclipsing orbits”
Gravitational-Wave Data Analysis Workshop, San Juan, Puerto Rico
- March 2006 “Detecting black holes in globular clusters using pulsar timing”
22nd Pacific Coast Gravity Meeting, Kalvi Institute for Theoretical Physics, University of California, Santa Barbara
- March 2004 “Detectability of extreme-mass-ratio inspirals with LISA”
20th Pacific Coast Gravity Meeting, California Institute of Technology, Pasadena, California
- March 2003 “Zoom, Whirl, and Chirp: Listening for extreme-mass-ratio inspirals with LISA”
19th Pacific Coast Gravity Meeting, University of Utah, Salt Lake City, Utah
- February 1999 “Atmospheric gravity gradients: a low-frequency noise limit for LIGO”
15th Pacific Coast Gravity Meeting, Institute for Theoretical Physics, University of California, Santa Barbara
- March 1998 “Cosmological Gravitational Waves”
14th Pacific Coast Gravity Meeting, University of Oregon, Eugene, Oregon
- November 1997 “Analysis of Caltech 40 m interferometer data: Constructing the filter bank”
Second Gravitational Wave Data Analysis Workshop, Orsay, Essonne, France
- March 1997 “Search techniques for periodic gravitational waves”
13th Pacific Coast Gravity Meeting, Institute for Theoretical Physics, University of California, Santa Barbara
- March 1996 “Computational costs for continuous gravitational wave searches”
12th Pacific Coast Gravity Meeting, University of Utah, Salt Lake City, Utah

Meetings organized

- June 2009 Summer School in Gravitational Wave Astronomy, Yunnan University, Kunming, Yunnan, China
- June 2008 Summer School in Gravitational Waves and Numerical Relativity, Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China
- June 2007 CGWA-Nanjing Summer School on Gravitational-Wave Astronomy, China West Normal University, Nanchong, Sichuan, China
- October 2006 Chinese-American Frontiers of Science Symposium, University of California, Irvine
- October 2005 Chinese-American Frontiers of Science Symposium, Xiamen University, Fujian, China

REFERENCES

Bruce Allen

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PUBLICATIONS

Refereed publications

1. The LIGO Scientific Collaboration: J. Aasi et al., *Characterization of the LIGO detectors during their sixth science run*, *Classical and Quantum Gravity* **32** 115012 (June 2015)
2. The LIGO Scientific Collaboration: J. Aasi et al., *Advanced LIGO*, *Classical and Quantum Gravity* **32** 074001 (April 2015)
3. The LIGO Scientific Collaboration: J. Aasi et al., *Directed search for gravitational waves from Scorpius X-1 with initial LIGO data*, *Physical Review D* **91** 062008 (March 2015)
4. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data*, *Physical Review D* **91** 022004 (January 2015)
5. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors*, *Physical Review D* **91** 022003 (January 2015)
6. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *First all-sky search for continuous gravitational waves from unknown sources in binary systems*, *Physical Review D* **90** 062010 (September 2014)
7. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors*, *Physical Review Letters* **112** 131101 (April 2014)
8. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run*, *Classical and Quantum Gravity* **31** 085014 (April 2014)
9. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Gravitational Waves from Known Pulsars: Results from the Initial Detector Era*, *Astrophysical Journal* **785** 119 (April 2014)
10. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *First Searches for Optical Counterparts to Gravitational-wave Candidate Events*, *Astrophysical Journal Supplement* **211** 7 (March 2014)
11. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts*, *Physical Review D* **88** 122004 (December 2013)

12. S. Nampalliwar, R. H. Price, T. Creighton, and F. A. Jenet, *Detection of Pulsar Beams Deflected by the Black Hole in Sgr A*: Effects of Black Hole Spin*, *Astrophysical Journal* **778** 145 (December 2013)
13. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Directed search for continuous gravitational waves from the Galactic center*, *Physical Review D* **88** 102002 (November 2013)
14. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network*, *Physical Review D* **88** 062001 (September 2013)
15. The ANTARES Collaboration, the LIGO Scientific Collaboration, and the Virgo Collaboration: S. Adrián-Martínez et al., *A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007*, *Journal of Cosmology and Astroparticle Physics* **6** 8 (June 2013)
16. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *EinsteinHome all-sky search for periodic gravitational waves in LIGO S5 data*, *Physical Review D* **87** 042001 (February 2013)
17. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009-2010*, *Physical Review D* **87** 022002 (January 2013)
18. P. A. Evans, J. K. Fridriksson, N. Gehrels, J. Homan, J. P. Osborne, M. Siegel, A. Beardmore, P. Handbauer, J. Gelbord, J. A. Kennea, M. Smith, Q. Zhu, the LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi, et al., *Swift Follow-up Observations of Candidate Gravitational-wave Transient Events*, *Astrophysical Journal Supplement* **203** 28 (December 2012)
19. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for Gravitational Waves Associated with Gamma-Ray Bursts during LIGO Science Run 6 and Virgo Science Runs 2 and 3*, *Astrophysical Journal* **760** 12 (November 2012)
20. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Aasi et al., *The characterization of Virgo data and its impact on gravitational-wave searches*, *Classical and Quantum Gravity* **29** 155002 (August 2012)
21. The LIGO Scientific Collaboration: J. Abadie et al., *Implications for the Origin of GRB 051103 from LIGO Observations*, *Astrophysical Journal* **755** 2 (August 2012)
22. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run*, *Physical Review D* **85** 122007 (June 2012)

23. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600-1000 Hz*, *Physical Review D* **85** 122001 (June 2012)
24. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for gravitational waves from intermediate mass binary black holes*, *Physical Review D* **85** 102004 (May 2012)
25. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts*, *Astronomy and Astrophysics* **541** A155 (May 2012)
26. J. Lazio, K. Keating, F. A. Jenet, N. E. Kassim, LIGO Scientific Collaboration, and Virgo Collaboration, *Search for Electromagnetic Counterparts to LIGO-Virgo Candidates: Expanded Very Large Array Observations*, in R. E. M. Griffin, R. J. Hanisch, and R. Seaman, editors, *IAU Symposium*, volume 285 of *IAU Symposium*, pages 67–70 (April 2012)
27. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3*, *Physical Review D* **85** 082002 (April 2012)
28. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts*, *Astronomy and Astrophysics* **539** A124 (April 2012)
29. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *All-sky search for periodic gravitational waves in the full S5 LIGO data*, *Physical Review D* **85** 022001 (January 2012)
30. K. Stovall, T. Creighton, R. H. Price, and F. A. Jenet, *Observability of Pulsar Beam Bending by the Sgr A* Black Hole*, *Astrophysical Journal* **744** 143 (January 2012)
31. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data*, *Physical Review Letters* **107** A261102 (December 2011)
32. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Beating the Spin-down Limit on Gravitational Wave Emission from the Vela Pulsar*, *Astrophysical Journal* **737** 93 (August 2011)
33. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for gravitational waves from binary black hole inspiral, merger, and ringdown*, *Physical Review D* **83** 122005 (June 2011)

34. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for Gravitational Wave Bursts from Six Magnetars*, *Astrophysical Journal Letters* **734** L35 (June 2011)
35. The LIGO Scientific Collaboration: J. Abadie et al., *Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar*, *Physical Review D* **83** 042001 (February 2011)
36. The LIGO Scientific Collaboration: J. Abadie et al., *Calibration of the LIGO gravitational wave detectors in the fifth science run*, *Nuclear Instruments and Methods in Physics Research A* **624** 223–240 (December 2010)
37. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1*, *Physical Review D* **82** 102001 (November 2010)
38. The LIGO Scientific Collaboration: J. Abadie et al., *First Search for Gravitational Waves from the Youngest Known Neutron Star*, *Astrophysical Journal* **722** 1504–1513 (October 2010)
39. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors*, *Classical and Quantum Gravity* **27** 173001 (September 2010)
40. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *Search for Gravitational-wave Inspiral Signals Associated with Short Gamma-ray Bursts During LIGO's Fifth and Virgo's First Science Run*, *Astrophysical Journal* **715** 1453–1461 (June 2010)
41. The LIGO Scientific Collaboration and the Virgo Collaboration: B. Abbott et al., *Search For Gravitational-wave Bursts Associated with Gamma-ray Bursts using Data from LIGO Science Run 5 and Virgo Science Run 1*, *Astrophysical Journal* **715** 1438–1452 (June 2010)
42. The LIGO Scientific Collaboration and the Virgo Collaboration: J. Abadie et al., *All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run*, *Physical Review D* **81** 102001 (May 2010)
43. The LIGO Scientific Collaboration and the Virgo Collaboration: B. Abbott et al., *Searches for Gravitational Waves from Known Pulsars with Science Run 5 LIGO Data*, *Astrophysical Journal* **713** 671–685 (April 2010)
44. V. Predoi, J. Clark, T. Creighton, E. Daw, S. Fairhurst, I. S. Heng, J. Kanner, T. Regimbau, P. Shawhan, X. Siemens, P. Sutton, A. Vecchio, D. White, and G. Woan, *Prospects for joint radio telescope and gravitational-wave searches for astrophysical transients*, *Classical and Quantum Gravity* **27** 084018 (April 2010)

45. Yan Wang, Teviet Creighton, Richard H. Price, and Frederick A. Jenet, *Strong field effects on pulsar arrival times: general orientations*, *Astrophysical Journal* **705** 1252–1259 (2009)
46. The LIGO Scientific Collaboration: B. Abbott et al., *Search for High Frequency Gravitational Wave Bursts in the First Calendar Year of LIGO's Fifth Science Run*, *Physical Review D* **80** 102002 (2009)
47. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational-wave bursts in the first year of the fifth LIGO science run*, *Physical Review D* **80** 102001 (2009)
48. The LIGO Scientific Collaboration and the Virgo Collaboration, *An upper limit on the stochastic gravitational-wave background of cosmological origin*, *Nature* **460** 990–994 (2009)
49. The LIGO Scientific Collaboration: B. Abbott et al., *First LIGO search for gravitational wave bursts from cosmic (super)strings*, *Physical Review D* **80** 062002 (2009)
50. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data*, *Physical Review D* **80** 062001 (2009)
51. The LIGO Scientific Collaboration: B. Abbott et al. and D. P. Anderson, *Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run*, *Physical Review D* **80** 047101 (2009)
52. The LIGO Scientific Collaboration: B. Abbott et al., *Einstein@Home search for periodic gravitational waves in early S5 LIGO data*, *Physical Review D* **80** 042003 (2009)
53. The LIGO Scientific Collaboration: B. Abbott et al., *Stacked Search for Gravitational Waves from the 2006 SGR 1900+14 Storm*, *Astrophysical Journal Letters* **701** L68–L74 (2009)
54. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data*, *Physical Review D* **79** 122001 (2009)
55. The LIGO Scientific Collaboration: B. Abbott et al., *Einstein@Home search for periodic gravitational waves in LIGO S4 data*, *Physical Review D* **79** 022001 (January 2009)
56. The LIGO Scientific Collaboration: B. Abbott et al., *LIGO: the Laser Interferometer Gravitational-Wave Observatory*, *Reports on Progress in Physics* **72** 076901 (2009)
57. Yan Wang, Frederick A. Jenet, Teviet Creighton, and Richard H. Price, *Strong field effects on pulsar arrival times: circular orbits and equatorial beams*, *Astrophysical Journal* **697** 237–246 (2009)

58. The LIGO Scientific Collaboration: B. Abbott et al., *All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data*, *Physical Review Letters* **102** 111102 (2009)
59. Teviet Creighton, Fredrick A. Jenet, and Richard H. Price, *Pulsar timing and space-time curvature*, *Astrophysical Journal* **693** 1113–1117 (2009)
60. Teviet Creighton, *Tumbleweeds and airborne gravitational noise sources for LIGO*, *Classical and Quantum Gravity* **25** 125011 (2008)
61. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational waves from binary inspirals in S3 and S4 LIGO data*, *Physical Review D* **77** 062002 (2008)
62. L. Baggio et al., *A joint search for gravitational wave bursts with AURIGA and LIGO.*, *Classical and Quantum Gravity* **25** 095004 (2008)
63. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs*, *Physical Review D* **77** 062004 (2008)
64. The LIGO Scientific Collaboration: B. Abbott et al., *All-sky search for periodic gravitational waves in LIGO S4 data*, *Physical Review D* **77** 022001 (2008)
65. The LIGO Scientific Collaboration and ALLEGRO Collaboration: B. Abbott et al., *First Cross-Correlation Analysis of Interferometric and Resonant-Bar Gravitational-Wave Data for Stochastic Backgrounds.*, *Physical Review D* **76** 022001 (2007)
66. The LIGO Scientific Collaboration: B. Abbott et al., *Upper limit map of a background of gravitational waves.*, *Physical Review D* **76** 082003 (2007)
67. The LIGO Scientific Collaboration: B. Abbott et al., *Searching for Stochastic Background of Gravitational Waves with LIGO.*, *Astrophysical Journal* **659** 918 (2007)
68. The LIGO Scientific Collaboration: B. Abbott et al., M. Kramer, and A. G. Lyne, *Upper Limits on Gravitational Wave Emission from 78 Radio Pulsars.*, *Physical Review D* **76** 042001 (2007)
69. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational-wave bursts in LIGO data from the fourth science run.*, *Classical and Quantum Gravity* **24** 5343–5369 (2007)
70. The LIGO Scientific Collaboration: B. Abbott et al., *Coherent searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: results from the second LIGO science run.*, *Physical Review D* **76** 082001 (2007)
71. The LIGO Scientific Collaboration: B. Abbott et al., *Search for gravitational wave radiation associated with the pulsating tail of the SGR 1806-20 hyperflare of December 27, 2004 using LIGO*, *Physical Review D* **76** 062003 (2007)

72. The LIGO Scientific Collaboration: B. Abbott et al., *Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries*, *Physical Review D* **73** 102002 (2006)
73. The LIGO Scientific Collaboration: B. Abbott et al., *Search for Gravitational Wave Bursts in LIGO's Third Science Run*, *Classical and Quantum Gravity* **23** S29–S39 (2006)
74. The LIGO Scientific Collaboration: B. Abbott et al., *Upper Limits from LIGO and TAMA Detectors on the Rate of Gravitational Wave Bursts*, *Physical Review D* **72** 122004 (2005)
75. The LIGO Scientific Collaboration: B. Abbott et al., *Upper Limits on a Stochastic Background of Gravitational Waves*, *Physical Review Letters* **95** 221101 (2005)
76. The LIGO Scientific Collaboration: B. Abbott et al., *First All-sky Upper Limits from LIGO on the Strength of Periodic Gravitational Waves Using the Hough Transform*, *Physical Review D* **72** 102004 (2005)
77. The LIGO Scientific Collaboration: B. Abbott et al., *Search for Gravitational Waves from Primordial Black Hole Binary Coalescences in the Galactic Halo*, *Physical Review D* **72** 082002 (2005)
78. The LIGO Scientific Collaboration: B. Abbott et al., *Search for Gravitational Waves from Galactic and Extra-galactic Binary Neutron Stars*, *Physical Review D* **72** 082001 (2005)
79. The LIGO Scientific Collaboration: B. Abbott et al., *Upper limits on gravitational wave bursts in LIGO's second science run*, *Physical Review D* **72** 062001 (2005)
80. The LIGO Scientific Collaboration: B. Abbott et al., *A Search for Gravitational Waves Associated with the Gamma Ray Burst GRB030329 Using the LIGO Detectors*, *Physical Review D* **72** 042002 (2005)
81. Fredrick A. Jenet, Teviet Creighton, and Andrea Lommen, *Pulsar Timing and the Detection of Black Hole Binary Systems in Globular Clusters*, *Astrophysical Journal Letters* **627** L125–L128 (2005)
82. The LIGO Scientific Collaboration: B. Abbott et al., *Limits on gravitational wave emission from selected pulsars using LIGO data*, *Physical Review Letters* **94** 181103 (2005)
83. Jonathan R. Gair, Leor Barack, Teviet Creighton, Curt Cutler, Shane L. Larson, E. Sterl Phinney, and Michele Vallisneri, *Event rate estimates for LISA extreme mass ratio capture sources*, *Classical and Quantum Gravity* **21** S1595–S1606 (2004)
84. The LIGO Scientific Collaboration: B. Abbott et al., *Analysis of First LIGO Science Data for Stochastic Gravitational Waves*, *Physical Review D* **69** 122004 (2004)

85. The LIGO Scientific Collaboration: B. Abbott et al., *Analysis of LIGO data for gravitational waves from binary neutron stars*, *Physical Review D* **69** 122001 (2004)
86. The LIGO Scientific Collaboration: B. Abbott et al., *First upper limits from LIGO on gravitational wave bursts*, *Physical Review D* **69** 102001 (2004)
87. The LIGO Scientific Collaboration: B. Abbott et al., *Setting upper limits on the strength of periodic gravitational waves from PSR J1939+2134 using the first science data from the GEO 600 and LIGO detectors*, *Physical Review D* **69** 082004 (2004)
88. The LIGO Scientific Collaboration: B. Abbott et al., *Detector Description and Performance for the First Coincidence Observations Between LIGO and GEO*, *Nuclear Instruments and Methods in Physics Research A* **517** 154–179 (2004)
89. Teviet Creighton, *Advanced LIGO: Sources and Astrophysics*, *Classical and Quantum Gravity* **20** S853–S869 (2003)
90. Patrick R. Brady and Teviet Creighton, *Searching for periodic sources with LIGO. II: Hierarchical searches*, *Physical Review D* **61** 082001 (2000)
91. Bruce Allen et al., *Observational Limit on Gravitational Waves from Binary Neutron Stars in the Galaxy*, *Physical Review Letters* **83** 1498 (1999)
92. Patrick R. Brady, Teviet Creighton, Curt Cutler, and Bernard F. Schutz, *Searching for periodic sources with LIGO*, *Physical Review D* **57** 2101–2116 (1998)

Other publications

1. Teviet Creighton and Richard H. Price, *Black Holes*, Technical report, Scholarpedia, URL http://www.scholarpedia.org/article/Black_Holes (December 2007)
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