## Jocelyn S. Read — Short Curriculum Vitae

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Education	Doctor of Philosophy in PhysicsAugust 2008Neutron stars in compact binary systems: from the equation of state to gravitational radiation.University of Wisconsin–Milwaukee, Milwaukee, WI, USAAdvisors: John Friedman & Jolien Creighton	
	<b>Bachelor of Science</b> Combined Honours in Physics and Mathemati University of British Columbia, Vancouver, BC	
Research Experience	University of Mississippi, USA2010-PresEPostdoctoral research, with Emanuele Berti. Testing alternative theories of gravity v neutron star observations. Redshift measurements and cosmology with advanced gr based detectors. Resonant neutron star crust shattering as a model of Short Gamma I Burst precursors.	
	<b>MPIGP (Albert Einstein Institute)</b> , Potsdam, Germany 2008-2010 Postdoctoral research, Astrophysical Relativity group. Tidal effects on binary neutron stars and mixed binaries in perturbative/post-Newtonian and numerical frameworks. Gravitational wave astrophysics with advanced ground based detectors.	
	<b>University of Wisconsin–Milwaukee</b> , USA 24 Doctoral research, with John Friedman and Jolien Creighton. Parameterizing clear equation of state for astrophysical constraints. Constructing binary neu initial data. Data analysis estimates from numerical gravitational waves.	
	<b>University of Wisconsin-Milwaukee</b> , USA Center for Gravitation and Cosmology, LSC Gr signal searches in LIGO data with Jolien Creigh	
	<b>University of British Columbia</b> , Vancouver, C Mathematica code for Bayesian analysis of per Phil Gregory.	
PUBLICATIONS	LICATIONS Online at: http://bit.ly/jsread-spires	
	"Measuring a cosmological distance-redshift relationship using only gravitational wave observations of binary neutron star coalescences." C. Messenger, J. S. Read. arXiv:1107.5725, submitted to Phys. Rev. Lett.	
	"Will black hole-neutron star binary inspirals tell us about the neutron star equation of state?" F. Pannarale, L. Rezzolla, F. Ohme, J. S. Read. arXiv:1103.3526, accepted to Phys. Rev. D.	
	"The vacuum revealed: the final state of vacuum instabilities in compact stars." P. Pani, V. Cardoso, E. Berti, J. S. Read, M. Salgado. Phys. Rev. D 83 (2011) 081501.	
	"Tidal deformability of neutron stars with realistic equations of state." Tanja Hinderer, Benjamin D. Lackey, Ryan N. Lang, Jocelyn S. Read. Phys. Rev. D 81 (2010) 123016.	

Publications cont'd	"Gravitational waves from neutron stars: Promises and challenges." N. Ander V. Ferrari, D.I. Jones, K.D. Kokkotas, B. Krishnan, J. Read, L. Rezzolla, & B. Zink. Rel. Grav. 43 (2011) 409-436.		
	"Measuring the neutron star equation of state with gravitational wave observations." J. S. Read, C. Markakis, M. Shibata, K. Uryu, J. D. Creighton, J. L. Friedman. Phys. Rev. D 79 (2009) 124033.		
	"Constraints on a phenomenologically parameterized neutron-star equation of state." J. S. Read, B. D. Lackey, J. L. Friedman, B. Owen. Phys. Rev. D 79 (2009) 124032.		
	"Models of helically symmetric binary systems." Shin'ichirou Yoshida, Benja Bromley, Jocelyn S. Read, Koji Uryu, John L. Friedman. Class. Quantum Grav. 23 S599-S613.		
	"Gravitational wave bursts from cosmic (super)strings: Quantitativ straints." Xavier Siemens, Jolien Creighton, Irit Maor, Saikat Ray M non, Jocelyn Read. Phys. Rev. D 73 (2006) 105001.		
RECENT INVITED TALKS			
	"Measuring the neutron-star equation of state using gravitational observations." APS April meeting. Anaheim, California. 30 April 2		
	<ul> <li>"Constraining the equation of state using advanced gravitational-wave detectors." Gravitational Wave Physics and Astronomy Workshop (GWPAW). Milwaukee, Wisconsin 26 January 2011.</li> <li>"Measuring waveforms of binary neutron stars." Caltech-JPL Association for Gravitational Wave Research Seminar. Pasadena, California. 4 January 2011.</li> <li>"Measuring the equation of state using gravitational waves from binary observations. Exploring Physics with Neutron Stars, a celebration of Fred Lamb's 65th Birthday. Tuscon, Arizona. 19 November 2010.</li> <li>"Modelling waveforms from binary neutron stars." NRDA/CAPRA 2010: Theory Meet Data Analysis at Comparable and Extreme Mass Ratios. Perimeter Institute, Waterloo Canada. 25 June 2010.</li> </ul>		
	"Measuring tidal deformation from binary neutron star inspiral." Yukawa Institute for Theoretical Physics, Kyoto, Japan. 14 May 2010.		
Teaching and Service	Scientific Organizing Committee member Numerical Relativity Meets Data Analysis (NRDA), Cardiff, Wales	July 10-15 2011	
	Lecturer, 3rd International Summer School on Astroparticle Physics Nijmegen, the Netherlands		
	"Gravitational waves: modelling sources"	August 19-28, 2009	