

Week 2: Numerical Relativity: Status and challenges, incorporating realistic nuclear and neutrino physics, magnetohydrodynamics, dissipative effects and contributions from the crust.

Monday, July 7, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Steve Liebling, Long Island Univ

"Extracting Science from Evolutions of Binary Neutron Star Mergers"

Room C421, Physics/Astronomy Tower

3:00 pm: Kenta Kiuchi, Yukawa Inst Theoretical Physics

"General relativistic merger simulation of binary magnetized neutron stars on K"

Tuesday, July 8, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Pablo Cerdá-Durán, Univ de Valencia

"On the nature of magnetar QPOs"

Room C421, Physics/Astronomy Tower

3:00 pm: David Neilsen, Brigham Young Univ

"Recent work with neutron star binaries and beyond"

Wednesday, July 9, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Zachariah Étienne, Univ of Maryland

"New Tools and Techniques for Compact Binary Merger Simulations"

Room C421, Physics/Astronomy Tower

3:00 pm: David Radice, Caltech

"High-order methods for general-relativistic hydrodynamics"

Thursday, July 10, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Masaru Shibata, Kyoto University

"Merger of binary neutron stars: Gravitational waves and electromagnetic counterparts"

Room C421, Physics/Astronomy Tower

2:30 pm: Ilya Mandel, Univ of Birmingham

"What might we learn about the merging NS population from gravitational-wave observations?"

Friday, July 11, 2014

Room C421, Physics/Astronomy Tower

9:30 am: François Foucart, Canadian Institute for Theoretical Astrophysics

"Neutron star-black hole mergers: an overview of numerical results"

Room C421, Physics/Astronomy Tower

3:00 pm: Ken'ichi Nomoto, Univ of Tokyo

"Progenitors of Neutron Star Forming Supernovae"

Please give staff in C411 a .pdf or .ppt file of your presentation for the INT website or email it as an attachment to janine@phys.washington.edu. Be sure to include your last name in the file name.

INT 14-2a Participants

July 7-11, 2014

Nils Andersson	Univ Southampton	na@maths.soton.ac.uk	C411A	5-3633
Krzysztof Belczynski	Astronomical Observatory	chrisbelczynski@gmail.com	C418	5-9776
Sukanta Bose	WA State Univ	sukanta@wsu.edu	C411A	5-3606
Pablo Cerdá-Durán	Univ de Valencia	pablo.cerda@uv.es	C437	5-3620
Kyriaki Dionysopoulou	Univ Southampton	kd10g13@soton.ac.uk	C437	5-3620
Zachariah Étienne	Univ Maryland	zachetie@gmail.com	B474	5-9774
François Foucart	Canadian Institute for Theoretical Astrophysics	ffoucart@cita.utoronto.ca	B449	5-9726
Wick Haxton	UC Berkeley	haxton@berkeley.edu	C420	5-9781
Kenta Kiuchi	Yukawa Inst Theoretical Physics	kiuchi@yukawa.kyoto-u.ac.jp	B474	5-9775
Koutarou Kyutoku	Univ Wisconsin-Milwaukee	kyutoku@uwm.edu	C420	5-9780
Pablo Laguna	Georgia Tech	plaguna@gatech.edu	B468	5-9721
James Lattimer	Stony Brook Univ	james.lattimer@stonybrook.edu	C424	5-9828
Steve Liebling	Long Island Univ	liebling@gmail.com	C418	5-9782
Ilya Mandel	Univ Birmingham	imandel@star.sr.bham.ac.uk	B468	5-9723
Nairwita Mazumder	IISER - TVM	nm.math@gmail.com	C437	5-3620
Chris Messenger	Univ Glasgow	christopher.messenger@glasgow.ac.uk	B449	5-9773
Arunava Mukherjee	IUCAA	arunava@iucaa.ernet.in	C404	5-3971
David Neilsen	Brigham Young Univ	david.neilsen@byu.edu	C438	5-9831
Ken'ichi Nomoto	Univ Tokyo	nomoto@astron.s.u-tokyo.ac.jp	C424	5-9827
David Radice	Caltech	dradice@caltech.edu	C431	5-3719
Sanjay Reddy	Univ of Washington	sareddy@uw.edu	C433	5-2397
Luciano Rezzolla	Max Planck Inst Gravitational Physics	luciano.rezzolla@aei.mpg.de	C411A	5-3606
Alessandro Roggero	Univ of Trento	roggero@science.unitn.it	B470	none
Bangalore Sathyaprakash	Cardiff Univ	B.Sathyaprakash@astro.cf.ac.uk	C422	5-9778
Masaru Shibata	Kyoto Univ	mshibata@yukawa.kyoto-u.ac.jp	C422	5-9779
Andrew Steiner	Univ of Washington	steiner3@uw.edu	C431	5-3970
Nikolaos Stergioulas	Aristotle Univ of Thessaloniki	niksterg@auth.gr	C424	5-9827