

Week 3: Dense matter physics: Equation of state, neutrino interactions, neutron star seismology and superfluid dynamics, effects of temperature and magnetic fields on matter.

Monday, July 14, 2014

Room C421, Physics/Astronomy Tower

10:45 am: Meet-Up and Introduction

11:00 am: Andrew Steiner, INT

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

Room C421, Physics/Astronomy Tower

3:00 pm: Simin Mahmoodifar, Univ of Maryland

"Neutron Star Seismology with Accreting Millisecond Pulsars"

Tuesday, July 15, 2014

Room C421, Physics/Astronomy Tower

11:00 am: M. Coleman Miller, Univ of Maryland

"Challenges in Measuring Neutron Star Radii"

Room C421, Physics/Astronomy Tower

3:00 pm: "Discussion: Implement realistic physics in simulations"

Wednesday, July 16, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Omar Benhar, Università La Sapienza

"Toward a unified description of equilibrium and dynamical properties of neutron star matter"

11:30 am: Stefano Gandolfi, LANL

"TBA"

Room C421, Physics/Astronomy Tower

3:00 pm: Madappa Prakash, Ohio Univ, discussion coordinator

Discussion: "Key Nuclear Physics Issues"

Thursday, July 17, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Wynn Ho, Univ of Southampton

"Tests of nuclear properties with astronomical observations of neutron stars"

Room C421, Physics/Astronomy Tower

3:00 pm: Jim Lattimer, Stony Brook Univ

TBA

Friday, July 18, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Nicholas Chamel, Institute of Astronomy and Astrophysics

"Recent developments in the modelling of neutron-star crusts"

Room C421, Physics/Astronomy Tower

3:00 pm: Armen Sedrakian, Frankfurt am Main

"Hyperons and quarks in massive compact stars"

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 14-18, 2014

Nils Andersson	Univ Southampton	na@maths.soton.ac.uk	C411A	5-3633
Krzysztof Belczynski	Astronomical Observatory	chrisbelczynski@gmail.com	C418	5-9776
Omar Benhar	Univ La Sapienza	omar.benhar@roma1.infn.it	C438	5-9831
Sukanta Bose	WA State Univ	sukanta@wsu.edu	C411A	5-3606
Pablo Cerdá-Durán	Univ de Valencia	pablo.cerda@uv.es	C437	5-3620
Nicolas Chamel	Inst Astronomy & Astrophysics	omar.benhar@roma1.infn.it	C431	5-3719
Kyriaki Dionysopoulou	Univ Southampton	kd10g13@soton.ac.uk	C437	5-3620
François Foucart	Canadian Institute for Theoretical Astrophysics	ffoucart@cita.utoronto.ca	B449	5-9726
Chris Fryer	LANL	fryer@lanl.gov	C418	5-9782
Stefano Gandolfi	LANL	stefano@lanl.gov	C418	5-9776
Wick Haxton	UC Berkeley	haxton@berkeley.edu	C420	5-9781
Wynn Ho	Univ Southampton	wynn.ho@soton.ac.uk	B468	5-9721
Aimee Hungerford	LANL	aimee@lanl.gov	C420	5-9780
Kenta Kiuchi	Yukawa Inst Theoretical Physics	kiuchi@yukawa.kyoto-u.ac.jp	B474	5-9775
James Lattimer	Stony Brook Univ	james.lattimer@stonybrook.edu	C424	5-9828
Simin Mahmoodifar	Univ of Maryland	siminm@umd.edu	B474	5-9774
Ilya Mandel	Univ Birmingham	imandel@star.sr.bham.ac.uk	B468	5-9723
Nairwita Mazumder	IISER - TVM	nm.math@gmail.com	C437	5-3620
M. Coleman Miller	Univ of Maryland	miller@astro.umd.edu	C422	5-9779
Arunava Mukherjee	IUCAA	arunava@iucaa.ernet.in	C404	5-3971
David Neilsen	Brigham Young Univ	david.neilsen@byu.edu	C438	5-9830
Ken'ichi Nomoto	Univ Tokyo	nomoto@astron.s.u-tokyo.ac.jp	C424	5-9827
Madappa Prakash	Ohio Univ	prakash@harsha.phy.ohiou.edu	C411A	5-3606
Sanjay Reddy	Univ of Washington	sareddy@uw.edu	C433	5-2397
Alessandro Roggero	Univ of Trento	roggero@science.unitn.it	B470	none
Bangalore Sathyaprakash	Cardiff Univ	B.Sathyaprakash@astro.cf.ac.uk	C422	5-9778
Armen Sedrakian	Univ Frankfurt	sedrakian@th.physik.uni-frankfurt.de	B449	5-9773
Andrew Steiner	Univ of Washington	steiner3@uw.edu	C431	5-3970