

Binary Neutron Star Coalescence as a Fundamental Physics Laboratory

June 30 – July 4, 2014

Week 1: Gravitational waves: Modeling waveforms, parameter estimation, advanced detectors and extracting physics from merger signals.

Monday, June 30, 2014

Room C421, Physics/Astronomy Tower

11:00 am: B.S. Sathyaprakash, Cardiff Univ

"Cosmography with ground- and space-based detectors"

Room C421, Physics/Astronomy Tower

3:00 pm: Michael Landry, Caltech

"Advanced LIGO Status"

Tuesday, July 1, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Nikolaos Stergioulas, Aristotle Univ of Thessaloniki

"Post-merger oscillations and the NewCompStar Action"

Room C421, Physics/Astronomy Tower

3:00 pm: Ben Lackey, Princeton Univ

"What can we learn about the neutron-star equation of state from inspiralling binary neutron stars?"

Wednesday, July 2, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Krzysztof Belczynski, Astronomical Observatory

"Evolution leading to NS-NS Mergers"

Room C421, Physics/Astronomy Tower

3:00 pm: James Clark, Univ Massachusetts, Amherst

"Observing The Gravitational-Wave 'Afterglow' From Binary Neutron Star Coalescence"

Thursday, July 3, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Jocelyn Read, California State Univ, Fullerton

"Matter effects on binary neutron star waveforms: modeling and measuring EOS effects up to merger"

Room C421, Physics/Astronomy Tower

2:30 pm: Kent Yagi, Montana State Univ

"Applications of Neutron-Star Universal Relations to Gravitational Wave Observations"

3:15 pm: Greg Mendell, Caltech

"Continuous Gravitational Waves From Neutron Stars"

Friday, July 4, 2014

Room C421, Physics/Astronomy Tower

11:00 am: Discussion

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

June 30-July 4, 2014

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