

INT Program INT-16-2b Week 1

The Phases of Dense Matter

July 11 - August 12, 2016

ALL TALKS AND DISCUSSIONS WILL BE HELD IN C-520

Monday, July 11, 2016

- 9:15 AM Welcome
David Kaplan, INT Director
- 9:30 AM "Combining nuclear theory and neutron star observations to determine the properties of dense matter"
Andrew Steiner, University of Tennessee, Knoxville
- 10:10 AM Discussion
- 3:00 PM Cookies and informal discussion

Tuesday, July 12, 2016

- 9:00 AM "Equation of state from Chiral Effective Field Theory"
Jeremy Holt, Texas A&M
- 9:40 AM Discussion
- 10:00 AM "Equation of state and symmetry energy from heavy ion collisions"
Bill Lynch, Michigan State University
- 3:00 PM Cookies and informal discussion

Wednesday, July 13, 2016

- 9:00 AM "Gravitational waves and the equation of state"
Sukanta Bose, Washington State University
- 9:40 AM Discussion
- 3:00 PM Cookies and informal discussion

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Thursday, July 14, 2016

- 9:00 AM "Deconfinement at high temperatures and moderately high baryon densities"
Peter Petreczky, Brookhaven National Lab
- 9:40 AM Discussion
- 3:00 PM Cookies and graduate student 15 minute seminars
- Nicolas Baillet d'Etivaux, "Empirical equation of state and X-ray observations of neutron stars" [3:00 pm]
 - Carolyn Raithel, "From Neutron Star Observables to the Dense Matter Equation of State" [3:20 pm]
 - Joonas Nattila, "EoS from spectral fits of X-ray burst cooling tails" [3:40 pm]

Friday, July 15, 2016

- 9:00 AM "Quark deconfinement in neutron stars"
Fridolin Weber, San Diego State University
- 9:40 AM Discussion
- 3:00 PM Cookies and informal discussion