

INT Program INT-16-2b Week 4

The Phases of Dense Matter

July 11 - August 12, 2016

*ALL TALKS WILL BE HELD IN THE SEMINAR ROOM, C421, &
ALL AFTERNOON DISCUSSIONS WILL BE HELD IN C-423*

Monday, August 1, 2016

- 9:00 AM "Quantum simulations of nuclear pasta"
William Newton, Texas A&M University-Commerce
- 9:45 AM "Molecular dynamics simulations of nuclear pasta"
Claudio Dorso, University of Buenos Aires
- 3:00 PM Cookies, student talk and informal discussion in C-421
"Nuclear pasta observables"
Matthew Caplan, Indiana University

Tuesday, August 2, 2016

- 9:00 AM "A bosonized approach to Fermi liquids in a magnetic field"
Dam Thanh Son, University of Chicago
- 3:00 PM Cookies and informal discussion

Wednesday, August 3, 2016

- 9:00 AM "Neutrino oscillations in compact object mergers"
Gail McLaughlin, North Carolina State University
- 9:45 PM "Dense matter in a two loop Relativistic Mean Field Theory
calculation"
Xilin Zhang, University of Washington
- 3:00 PM Cookies and informal discussion

Thursday, August 4, 2016

- 9:00 AM "Thermal conductivity and impurity scattering in the accreting
neutron star's crust"
Alessandro Roggero, Institute for Nuclear Theory
- 9:45 AM "Excitations in relativistic superfluids"
Stephan Stetina, Institute for Nuclear Theory
- 3:00 PM Cookies and informal discussion

Friday, August 5, 2016

- 9:00 AM "Proton-skins in momentum space and neutron-skins in
coordinate space in heavy nuclei"
Bao-An Li, Texas A&M University-Commerce
- 9:45 AM TBA
Baojun Cai, Texas A&M University-Commerce
- 3:00 PM Cookies and informal discussion