International Collaborations in Nuclear Theory Program: Symmetry Energy in the Context of New Radioactive Beam Facilities and Astrophysics

All morning talks will be in the lecture hall and the afternoon discussions will be in Room 1221B. For questions, please contact Chuck Horowitz horowit@indiana.edu.

Monday, July 15, 2013:
10:00-10:30 C. Horowitz: "Goals of ICNT Symmetry Energy Program"
10:30-11:00 Coffee break

11:00-11:45 H. Wolter: "Introduction to the Sym E at very low, low, and high densities and HI collisions"

11:45-12:00 Discussion

3:00-3:45 Coffee and informal discussion: Goals for ICNT program and a listing of some of the questions to address during program.

Tuesday, July 16:
9:30-10:15 G. Shen: "Neutrino-sphere in supernova and symmetry energy"
10:15-10:30 Discussion

10:30-11:00 Coffee

11:00-11:45 K. Iida: "Symmetry energy, unstable nuclei, and nuclear pasta."

11:45-12:00 Discussion

3:00-3:45 Coffee and informal discussion

Wednesday, July 17:
9:30-10:15 X. Roca-Maza: "Unraveling the dependence of the Electric Dipole Polarizability on the isovector properties of the nuclear effective interaction"

10:15-10:30 Discussion
10:30-11:00 Coffee

11:00-11:45 D. Khoa: "Charge-exchange scattering to IAS and implication for the nuclear symmetry energy"
11:45-12:00 Discussion

3:00-3:45 Coffee and informal discussion

Thursday July 18:
9:30-10:15 A. Steiner: Symmetry energy in astrophysics
10:15-10:30 Discussion

10:30-11:00 Coffee

11:00-11:45 A. Schneider: “Nuclear pasta formation”
11:45-12:00 Discussion
3:00-3:45 Coffee and informal discussion

Friday July 19:
9:30-10:15 T. Inakura: "Low-energy E1 strength in select nuclei: Possible constraints on the symmetry energy and the neutron skin."
10:15-10:30 Discussion

10:30-11:00 Coffee

11:00-11:45 J. Stone: Informal report on Japanese Symmetry E workshop 11:45-12:00 Discussion