

CUSTIPEN Mini-Workshop: Critical Issues about Nuclear Symmetry Energy

Aug. 15-16, 2013, Texas A&M University-Commerce

Thursday, Aug. 15

9-10am, Bao-An Li, Texas A&M University-Commerce

What are the currently most critical theoretical issues about the density dependence of nuclear symmetry energy, what can we contribute to address them?

10-11am, discussions

11-12noon, Lie-Wen Chen, Shanghai Jiao Tong University

How can we quantify uncertainties and error bars in transport model studies of nuclear symmetry energy?

12-1:30pm, lunch

2:00-3:00pm, Farrooh Fattoyev, Texas A&M University-Commerce

Correlations of Esym-sensitive observables, decomposition and identification of the most important physics ingredients governing the L parameter

3:00-4:00pm Discussions

4:00-5:00pm Feng-Shou Zhang, Beijing Normal University

How fluctuations and correlations are handled in BNV and QMD models and their importance for studying the EOS of low-density neutron-rich matter

Friday, Aug. 16

9:00-10am, Wei-Zhou Jiang, Southeast University

Effects of non-nucleonic degree of freedom on the extraction of nuclear symmetry energy

10-11am, discussions

11-12pm, Joshua Hooker, Texas A&M University-Commerce

Effects of symmetry energy on cooling and glitch of neutron stars

12:00-1:30 lunch

2:00-3:00pm Gao-Feng Wei, Xian Jiao Tong University

How does the uncertainty in neutron-skins of heavy nuclei affect the extraction of symmetry energy from comparing transport model simulations with data of heavy-ion collisions?

3-4:00pm Discussions