

**The first CUSTIPEN Workshop on Properties of Exotic Nuclei,
Neutron-Rich Nucleonic Matter and Their Astrophysical Impacts**
(May 8-9, 2013, Peking University)

May 8		
Session 1 (Place: Zhong Guan Xin Yuan Bldg 1)		
Chairperson: Yanlin Ye		
9:00-9:45 Opening ceremony of CUSTIPEN	Bao-An Li: Introduction of CUSTIPEN Yanlin Ye: Announcement of the opening of CUSTIPEN project Addresses from the U.S. side Addresses from the China side	
9:45-10:15	Photo and Coffee break	
Session 2 (Place: Zhong Guan Xin Yuan Bldg 1)		
Chairperson: Bao-An Li & Furong Xu		
10:15-10:30 Furong Xu	Theoretical studies of exotic nuclei and related topics in China (The structure and reactions of rare isotopes, and their applications in astrophysics, as well as computing resources and manpower for these researches).	
10:30-12:00	Open Discussions: Strategies and practical steps to ensure CUSTIPEN's complete success	
How to run the CUSTIPEN project with a realistic program based on the real involvement of the participating institutes and scientists. Some established and foreseen collaborations would be introduced by colleagues.		
12:00	Lunch	
Session 3 (Place: Room 408, Accelerator Building, Peking University)		
Chairperson: Hushan Xu		
14:00-14:30	C. Bertulani	Direct reactions for Nuclear Astrophysics
14:30-15:00	Weiping Liu	Investigation of the breakup of IMME rule around ^{53}Ni
15:00-15:30	Yuhu Zhang	Mass measurements of short-lived nuclei at HIRFL
15:30-15:50	Danyang Pang	Importance of the first Weinberg component in (d,p) reactions

15:50-16:20	Coffee break	
<p>Session 4 (Place: Room 408, Accelerator Building, Peking University) Chairperson: Zhongzhou Ren</p>		
16:20-16:50	Shangui Zhou	Recent progresses on theoretical study of exotic nuclei and superheavy nuclei made in ITP/CAS
16:50-17:10	Ligang Cao	Nuclear single-particle properties beyond mean-field theory
17:10-17:30	Wenhui Long	Description of carbon isotopes within relativistic Hartree-Fock-Bogoliubov theory
17:30-17:50	Junchen Pei	Continuum density functional theory for descriptions of deformed exotic nuclei
18:30	Workshop Dinner	
May 9		
<p>Session 5 (Place: Room 408, Accelerator Building, Peking University) Chairperson: Yugang Ma</p>		
9:00-9:30	P. Danielewicz	Constraints on the Symmetry Energy
9:30-10:00	Liewen Chen	Constraining the symmetry energy at subsaturation densities using isotope binding energy difference and neutron skin thickness
10:00-10:20	Yingxun Zhang	Constraints on the symmetry energy and n/p effective mass splitting with HICs
10:20-10:40	Coffee break	
<p>Session 6 (Place: Room 408, Accelerator Building, Peking University) Chairperson: P. Danielewicz</p>		
10:40-11:10	C. Horowitz	Multimessenger observations of neutron rich matter
11:10-11:40	Renxin Xu	From the symmetry-energy to a light-flavour symmetry
11:40-12:00	Chunlin Bai	Effects of Skyrme Tensor Force on the Spin-Isospin Excitations
12:00	Lunch	