Notre Dame-China Symposium on Exotic Nuclear Structures

Notre Dame Beijing Global Gateway
June 7-8, 2018

Schedule of Talks

Thursday, June 7, 2018

9:30-9:45 Welcome and Announcements

Session I
Chair: X. Tang
9:45 U. Garg (Notre Dame): *Experimental Nuclear Physics at Notre Dame*
10:15 M. Caprio (Notre Dame): *Theoretical Nuclear Physics at Notre Dame*

10:40-11:00 **Break**

Session II
Chair: F. Zhang
11:00 J. Pei (PKU): *Low-energy electromagnetic excitations of deformed halo nuclei*
11:30 S. Zhou (ITP-CAS): *Deformed nuclear halos*
12:00 C. Bai (Sichuan): *Studies on the β^{+}_{-} decay with Skyrme QRPA*

12:30-13:30 **Lunch**

Session III
Chair: J. Meng
13:30 C. Liu (Shandong): *Experimental studies on the nuclear chirality in the A~80 mass region*
14:00 B. Qi (Shandong): *Search for the candidate chiral nuclei in rubidium isotopes*
14:30 U. Garg (Notre Dame): *Chirality and Wobbling in the same nucleus*

15:00-15:20 **Break**

Session IV
Chair: S. Zhou
15:20 F. Xu (PKU): *Ab initio calculations for nuclear giant resonances*
15:50 M. Caprio (Notre Dame): *Symplectic symmetry in ab initio nuclear structure*
16:20 P. Fasano (Notre Dame): *Natural orbital methods for ab initio nuclear theory*

16:40 **Reception**

Friday, June 8, 2018

Session V
Chair: Y. Sun

9:30	Z. Xiao (Tsinghua):	*Experimental studies on isospin transport and nuclear EOS in heavy ion collisions*
10:00	B. Li (TAMU-C):	*Combined constraints on the EOS of Dense Neutron-Rich Matter from Nuclear Experiments and Observations of Neutron Stars*
10:30	F. Zhang (Beijing Normal)	*Production cross sections of neutron-rich nuclei in multinucleon transfer reactions*

11:00-11:20 **Break**

Session VI
Chair: W. Liu

11:20	H. Hua (PKU):	*Beta decay of light neutron-rich nuclei*
11:50	S. Guo (Lanzhou):	*Experimental progress on collective motion in Barium and Neodymium nuclei*

12:20-13:30 **Lunch**

Session VII
Chair: F. Xu

13:30	P. Ring (Munich):	*Covariant density functional theory: predictive power and first attempts of a microscopic derivation.*
14:00	P. Zhao (PKU):	*Covariant density functional theory for nuclear multiple chirality*
14:30	S. Zhang (PKU:	*Collective Hamiltonian for chiral bands*

15:00-15:20 **Break**

Session VIII
Chair: B. Li

15:20	Y. Sun (SJTU):	*Nuclear weak interactions in nuclear structure, nuclear astrophysics, and fundamental physics*
15:50	W. Liu (CIAE):	*Progress of nuclear physics research in CIAE and JUNA project*
16:20	X. Tang (Lanzhou):	*The $^{12}C+^{12}C$ fusion reaction at stellar energies*

16:50 **Conclusion**