

Symposium Program

Thursday, Nov. 1 Room 513 (5th floor, Main Building)

08:30-09:00	Registration
09:00-09:15	Opening Session
Chairperson	Meng Jie (BUAA)
Welcome Address	
Opening Address	Isao Tanihata
09:15-10:45	Session 1
Chairperson	Ye Yanlin (PKU)
09:15-09:45	Akram M. Mukhamedzhanov (Texas A&M University, College Station) <i>Advancing the theory of deuteron stripping reactions populating bound states and resonances and application for nuclear astrophysics</i>
09:45-10:15	Kazuyuki Ogata (Osaka University, RCNP) <i>Interplay between the 0^+_2 resonance and the nonresonant continuum of the drip-line two-neutron halo nucleus ^{22}C</i>
10:15-10:45	Li Zhihong (CIAE) <i>Study of neutron capture reactions via single neutron transfer reactions</i>
10:45-11:00	Symposium photo and Coffee break
11:00-12:30	Session 2
Chairperson	Geng Lisheng (Beihang U.)
11:00-11:30	Mikhail Golovkov (FLNR, JINR) <i>Correlations in continuum in light exotic nuclei: examples of ^6Be and ^{10}He</i>
11:30-12:00	AOYAMA, Shigeyoshi (Niigata University) <i>An ab-initio nuclear reaction calculation for $d+d$, $t+p$ and $h+n$</i>
12:00-12:30	Lin Chengjian (CIAE) <i>Nuclear reactions studied by quasi-elastic measurements at backward angles</i>
12:30-14:00	Lunch
14:00-15:50	Session 3
Chairperson	Kazuyuki Ogata (Osaka U.)
14:00-14:30	Alejandro Szanto de Toledo (University of Sao Paulo) <i>Fusion of weakly bound stable nuclei</i>
14:30-15:00	Zhang Huanqiao (CIAE) <i>The effect of positive Q_{int}-value neutron transfer on sub-barrier fusion reaction</i>
15:00-15:20	Zhang Gaolong (BUAA) <i>Quasi-elastic scattering of the proton drip line nucleus ^{17}F on ^{12}C at 60 MeV</i>
15:20-15:35	Yang Yanyun (IMP, Lanzhou) <i>^7Be and $^8\text{B}+^{208}\text{Pb}$ elastic scattering at above barrier energies</i>
15:35-15:50	FUKUI Tokuro (RCNP, Osaka) <i>Determination of $^8\text{B}(p,\gamma)^9\text{C}$ Reaction Rate from ^9C Breakup</i>
15:50-16:05	Coffee break
16:05-18:15	Session 4
Chairperson	Akram M. Mukhamedzhanov (Texas A&M University)
16:05-16:25	Guo Bing (CIAE) <i>Indirect measurement of the stellar rate for the $^{12}\text{N}(p,\gamma)^{13}\text{O}$ reaction</i>
16:25-16:45	Lou Jianling (PKU) <i>Measurement of $^8\text{He}(p, d)^7\text{He}$ and $^8\text{He}(p, t)^6\text{He}$ reactions at 82.3 MeV/nucleon</i>
16:45-17:15	Sandeep S. Ghugre (UGC-DAE, Kolkata) <i>Spectroscopy near the Island of Inversion</i>
17:15-17:30	Chen Ruijiu (PKU) <i>Elastic scattering of $^{23,25}\text{F}$ from proton target</i>

17:30-17:45	You Haibo (PKU) <i>Construction of Multi-Neutron Correlation Spectrometer (MuNCoS) at PKU</i>
17:45-18:00	Yang Zaihong (PKU) <i>Study on the cluster structure of ^{12}Be</i>
18:00-18:15	Ren Xiulei (BUAA) <i>Octet baryon masses in N³LO covariant baryon chiral perturbation theory</i>

19:00 Dinner at Dong FangHong restaurant

Friday, Nov. 2, Room 513 (5th floor, Main Building) Kato-san's session

09:00-09:10 Opening Session

Chairperson **Hiroyoshi Sakurai**

Opening Address

Shigeyoshi AOYAMA

09:10-10:40 Session 1

Chairperson **Shigeyoshi Aoyama (Niigata Univ.)**

09:10-09:40 **Kiyoshi Kato (Hokkaido University)**

09:40-10:10 **Takayuki Myo (Osaka Institute of Technology)**

Tensor optimized shell model with bare interaction for light nuclei

10:10-10:40 **Masaaki Kimura (Hokkaido University)**

Collective motions and exotic deformations in neutron-rich nuclei

10:40-10:55 Coffee break

10:55-12:10 Session 2

Chairperson **Akihiro Tohsaki (RCNP)**

10:55-11:25 **Shigeru Kubono (CNS)**

Approach to Nuclear Physics Problem in the vp -process with RI beams

11:25-11:55 **András T. Kruppa (Institute of Nuclear Research, Hungary)**

Coulomb scattering and complex scaling

11:55-12:10 **Li Zhu (BUAA)**

Revisiting the validity of n - γ equilibrium in classical r -process model

12:10-14:00 Lunch

14:00-15:30 Session 3

Chairperson **Emiko Hiyama (RIKEN)**

14:00-14:30 **Hiroyoshi Sakurai (RIKEN)**

14:30-15:00 **Takashi Nakamura (Tokyo Institute of Technology)**

Breakup reactions and halo structures of neutron drip line nuclei

15:00-15:15 **Zhou Bo (Nanjing University & Osaka University)**

Non-localized clustering: A new concept in the nuclear cluster physics

15:15-15:30 **KOBAYASHI, Fumiharu (Kyoto University)**

Novel cluster states in ^{10}Be

15:30-15:45 Coffee break

15:45-18:05 Session 4 (JSPS AA Science Platform Program session on Nuclear Data)

Chairperson **MASUI, Hiroshi (Kitami)**

15:45-16:15 **Ge Zhigang (CIAE)**

The methodology of nuclear data evaluation and the next CENDL

16:15-16:45 **Young-Ouk Lee (Korea Atomic Energy Research Institute)**

Recent Activities in Korea Nuclear Data Center (KNDC)

16:45-17:15	Naohiko Otsuka (IAEA) <i>Compilation of Asian Experimental Nuclear Reaction Data</i>
17:15-17:45	Masayuki Aikawa (Hokkaido University) <i>Nuclear Reaction Data Compilation and Evaluation: A Case of Hokkaido University Nuclear Reaction Data Centre (JCPRG)</i>
17:45-18:05	Chen Guochang (CIAE) <i>Neutron nuclear data evaluation of actinide nuclei for CENDL-3.1</i>
19:00	Dinner at the Donghai Haixian Jiujiu restaurant

Saturday, Nov. 3, Room 513 (5th floor, Main Building)

09:00-10:20	Session 1
Chairperson	Alejandro Szanto de Toledo (University of Sao Paulo)
09:00-09:30	Hiroshi Toki (RCNP) <i>Role of pions on nuclear structure and nuclear matter</i>
09:30-10:00	YAMADA, Taiichi (Lab. of Physics) <i>Isoscalar monopole excitation to cluster states in light nuclei</i>
10:00-10:20	Hu Jinniu (PKU) <i>The effective Λ-N potential from Dirac Brueckner-Hartree-Fock theory</i>
10:20-10:35	Coffee break
10:35-12:30	Session 2
Chairperson	Zhu Lihua (Beihang University)
10:35-11:05	MASUI, Hiroshi (Katami institute of Technology) <i>Study of oxygen isotopes with the cluster-orbital shell model approach</i>
11:05-11:20	Chen Fangqi (Shanghai Jiaotong University) <i>K-mixings and collective behaviors described by the projected shell model</i>
11:20-11:40	Zhao Pengwei (PKU) <i>Covariant density functional theory for the nuclear magnetic and antimagnetic rotation</i>
11:40-12:00	Shung-Ichi Ando (Daegu University) <i>Few-body systems in halo/cluster effective field theory</i>
12:00-12:30	Vivek M. Datar (Bhabha Atomic Research Centre) <i>Preliminary results of a more accurate measurement of the radiative 4^+ to 2^+ transition in ^8Be</i>
12:30	Closing
Closing Address	Isao Tanihata
12:40	Lunch
14:00	Excursion to the Summer Palace and wrap up
