The 7th International Workshop on Nuclear Dynamics in Heavy-ion Reactions

IWND

2024

Meeting Guide
会议手册

April 19-23, 2024
Zhuhai, China

中山大學中法核工程与技术学院
Institut Franco-Chinois de l' Énergie Nucléaire Université Sun Yat-sen

Content

Conference Overview

The 7th International Workshop on Nuclear Dynamics in Heavy-Ion Reactions (IWND2024) will be held in Zhuhai, China, on April 19- 23th, 2024.

The IWND is a series of international scientific conferences providing a forum for the international nuclear dynamics community to exchange new advances in both experimental and theoretical heavy ion physics. The 7th workshop follows the previous workshops held at Beijing Normal University (1st 2007 Beijing), Shanghai Institute of Applied Physics, Chinese Academy of Sciences (2nd 2009 Shanghai), Shenzhen University (3rd 2012 Shenzhen), Institute of Modern Physics, Chinese Academy of Sciences (4th 2014 Lanzhou), Henan Normal University (5th 2016 Xinxiang) and Huzhou University (6th 2018 Huzhou).

The aim of this workshop is also to help young nuclear physicists to reach the forefront of nuclear physics as soon as possible. The workshop also aims to discuss the most important problems, such as the limit of nuclear existence and the evolution of celestial bodies.

The workshop will cover the following topics:

- Heavy-ion nuclear reaction dynamics and isospin effects
- Nuclear matter symmetry energy and neutron stars
- Phase transitions in strongly interacting matter
- Reaction dynamics for superheavy elements and weakly bound nuclei
- Production of new isotopes in multinucleon transfer reactions
- Nuclear dynamics induced by protons (anti-protons), mesons and photons
- Nuclear clusters, hypernuclei, and nuclear astrophysics
- Experimental opportunities in nuclear physics facilities

Program Schedule

April 19, 2024 (Registration)

Place: Hall (First floor)

Zhuhai Holiday Resort Hotel (Located at No. 9 Shihua East Road, Jiuzhou Bay, Jida, Xiangzhou District, Zhuhai, Guang Dong province)

Time: 12:00-22:00

Morning, April 20, 2024 (Opening)

Place: Star Rhythm Hall 星韵厅(2F，Starlight Conference Center) **Time:** 8:30-12:00

Opening Session	Chairperson: Cenxi Yuan
8:30–8:40	Welcome address
8:40–9:10	To-roids Or Not To-roids --That Is The Question ***Joseph Natowitz (Texas A&M University)***
9:10–9:40	Clustering phenomenon: nuclear physics perspective ***Marek Ploszajiczak (GANIL)***
9:40–10:10	Nuclear physics and Data in IFCEN ***Wei Wang/Cenxi Yuan (Sun Yat-sen University)***
10:10–10:30	**photo / tea & coffee break**
Session 2	**Chairperson: Liewen Chen**
10:30–11:00	Theory of Fusion Probability for SHEs -- dynamical origin of enhanced fusion hindrance ***Yasuhisa Abe (RCNP, Osaka University)***
11:00–11:30	Reactions of weakly-bound nuclei at near-barrier energies ***Chengjian Lin (China Institute of Atomic Energy)***
11:30–12:00	Investigating the fusion and fission in a neutron-star environment ***Martin Veselsky (Czech Technical University)***
12:00–14:00	**Buffet--Lv Yun Ge Western Restaurant 绿云阁西餐厅 (Location: Lobby, Main Building)**

Afternoon, April 20, 2024

Place: Star Rhythm Hall 星韵厅(2F，Starlight Conference Center) **Time:** 14:00-18:20

Session 3	Chairperson: Deqing Fang
14:00–14:30	Spectroscopy of heaviest nuclei at Dubna ***Alexander Yeremin (Joint Institute for Nuclear Research)***
14:30–15:00	Information entropy uncertainty scaling phenomenon in projectile fragmentation reactions ***Chunwang Ma (Henan Normal University)***
15:00–15:30	Fusion reaction rates of astrophysical interest ***Vazgen Sargsyan (Joint Institute for Nuclear Research)***
15:30–16:00	Doubly magic nuclei in superheavy region associated with nuclear structure, reaction and decay models ***Hongfei Zhang (Xi'an Jiaotong University)***
16:00–16:20	**Tea & Coffee Break**
Session 4	**Chairperson: Fengshou Zhang**
16:20–16:50	On the stability of hole states in molecules and clusters, a generic mechanism? ***Eric Suraud (Lab. Phys. Theo, Univ. P. Sabatier)***
16:50–17:20	Reaction mechanism in relativistic fragmentations revealed by data ***Baohua Sun (Beihang University)***
17:20–17:50	Revisit the effective mass splitting with HICs ***Yingxun Zhang (China Institute of Atomic Energy)***
17:50–18:20	Dynamics of Little-Bang Nucleosynthesis ***Kaijia Sun (Fudan University)***
18:30–20:00	**Gala dinner-- Regent Palace Chinese Restaurant 晚宴--丽晶宫 (Location: 1 floor, Main Building)**

Morning, April 21, 2024

Place: Star Rhythm Hall 星韵厅(2F，Starlight Conference Center) **Time:** 8:00-12:20

Session 5	Chairperson: Caiwan Shen / Jiansong Wang
8:00–8:30	Global quark spin correlations in relativistic heavy ion collisions ***Zuotang Liang (Shandong University)***
8:30–9:00	Progress on the Superheavy Nuclei study at CAFE2 ***Zhiyuan Zhang (Institute of Modern Physics, Chinese Academy of Sciences)***
9:00–9:20	Spontaneous fission characteristics of heaviest nuclei synthesized in FLNR ***Alexandr Svirikhin (Joint Institute for Nuclear Research)***
9:20–9:40	Reaction energies for hunting new elements from a weak-model-dependent method ***Long Zhu (Sun Yat-sen University)***
9:40–10:00	Experimental studies of the ^{232}Th + ^{48}Ca → ^{280}Ds and ^{238}U + ^{40}Ar → ^{278}Ds reactions: New isotopes ^{268}Sg, ^{272}Hs, ^{275}Ds, and ^{276}Ds. ***Maksim Shumeiko (Joint Institute for Nuclear Research, Flerov Laboratory of Nuclear Reactions)***
10:00–10:20	**Tea & Coffee Break**
Session 6	**Chairperson: Donghai Zhang / Chenchen Guo**
10:20–10:40	Study on the mechanism of the production of superheavy and neutron-rich nuclei ***Xiaojun Bao (Hunan Normal University)***
10:40–11:00	Precision mass measurement of the heaviest nuclei in Dubna FLNR ***Aleksandr Rodin (Joint Institute for Nuclear Research)***
11:00–11:20	Study of the ^{242}Pu + ^{48}Ca and ^{238}U + ^{48}Ca reactions at DGFRS-II ***Dastan Ibadullayev (Joint Institute for Nuclear Research)***
11:20–11:40	The production of neutron-rich nuclei around N=126 in the multinucleon transfer reactions with potential pockets ***Gen Zhang (Guangxi University)***
11:40–12:00	Influence of entrance channels on production of exotic isotopes in multinucleon transfer reactions ***Penghui Chen (Yangzhou University)***

12:00–12:20	Analyzing the effect of input parameters on the synthesis of superheavy nuclei ***Jingjing Li (Nanjing University of Aeronautics and Astronautics)***
12:20–14:00	**Buffet--Lv Yun Ge Western Restaurant 绿云阁西餐厅** **(Location: Lobby, Main Building)**

Afternoon, April 21, 2024

Place: Star Rhythm Hall 星韵厅(2F，Starlight Conference Center) **Time:** 14:00-18:10

Session 7	**Chairperson: Huiming Jia / Xiaotao He**
14:00–14:20	Probing the temperature dependence of nuclear dissipation with second-chance survival probability ***Wei Ye (Southeast University)***
14:20–14:40	Probing the strong fields in relativistic heavy ion collisions ***Yifeng Sun (Shanghai Jiao Tong University)***
14:40–15:00	Spinodal instability of nuclear matter with light-nuclei degree of freedom ***Rui Wang (INFN)***
15:00–15:20	Constraining the speed of sound in neutron stars by inverting neutron star observables in high-density EOS parameter space ***Naibo Zhang (Southeast University)***
15:20–15:30	TDHF-RX: add two-body dissipation in TDHF by relaxation time approximation ***Yingge Huang (Sun Yat-sen University)***
15:30–15:40	Fusion enhancement in the collisions with ^{44}Ca beams and the production of neutron-deficient $^{245-250}$Lr isotopes ***Lilin Zhou (Guangxi University)***
15:40–15:50	The production of neutron-rich nuclei with Z=95-100 in multinucleon transfer reactions considering the effect of deformation relaxation ***Junjun Cai (Guangxi University)***
15:50–16:00	Investigation on the synthesis of superheavy elements with Z =119-121 ***Minghao Zhang (Beijing Normal University)***
16:00–16:20	**Tea & Coffee Break**
Session 8	**Chairperson: Shisheng Zhang / Kai Zhao**
16:20–16:40	Collective modes in dense matter ***Weizhou Jiang (Southeast University)***

16:40–17:00	Equation of State of Neutron Star Cores ***Baojun Cai (Shadow Creator Inc.)***
17:00–17:20	Bayesian inference of nuclear symmetry energy from nuclear structure observables ***Zhen Zhang (Sun Yat-sen University)***
17:20–17:40	Correlation between the charge radii difference in mirror partner nuclei and the symmetry energy slope ***Rong An (Ningxia University)***
17:40–17:50	Study of liquid-gas phase transition by the mechanism of projectile fragmentation reaction ***Erxi Xiao (Sun Yat-sen University)***
17:50–18:00	The dynamics of multinucleon transfer processes studied based on Langevin equations ***Ying Zou (Beijing Normal University)***
18:00–18:10	Multi-modal fission in ^{176,186}Pt formed in fusion of ^{32}S + ^{144,154}Sm ***Hairui Duan (China Institute of Atomic Energy)***
18:30–20:30	**Buffet--Lv Yun Ge Western Restaurant 绿云阁西餐厅** **(Location: Lobby, Main Building)**

Morning, April 22, 2024 (closing)

Place: Star Rhythm Hall 星韵厅(2F，Starlight Conference Center) **Time:** 8:00-12:20

Session 9	Chairperson: Simin Wang / Dehua Wen
8:00–8:30	Ab initio calculations for resonance structures in nuclei beyond dripline ***Jianguo Li (Institute of Modern Physics, Chinese Academy of Sciences)***
8:30–8:50	Nuclear Collective excitations Studied by SRPA ***Chunlin Bai (Sichuan University)***
8:50–9:10	Some experimental R&D progress for decay measurement of exotic clustering structure ***Xiguang Cao (Shanghai Advanced Research Institute)***
9:10–9:30	The radiative capture reaction ^{8}Li(n, γ) ^{9}Li and ^{8}B(p, γ) ^{9}C investigated by the Gamow shell model ***Xiaobao Wang (Huzhou University)***
9:30–9:50	Investigations on the resonances of trineutron and tetraneutron systems ***Niu Wan (South China University of Technology)***
9:50–10:00	α-clustering effect from the formation of a pocket structure in the α-nucleus potential ***Hailan Zheng (Tongji University)***

10:00–10:10	Shell-model-based investigation on level density of Xe and Ba isotopes ***Menglan Liu (Sun Yat-sen University)***
10:10–10:30	**Tea & Coffee Break**
Session 10	**Chairperson: Jun Su / Representative of next IWND**
10:30–10:50	Kaon production in HADES Au+Au collisions at $\sqrt{s_{NN}}$=2.4 GeV ***Gaofeng Wei (Guizhou Normal University)***
10:50–11:10	Transport coefficients of quark matter at finite temperature and baryon density ***Guoyun Shao (Xi'an Jiaotong University)***
11:10–11:30	Two-particle HBT correlation in heavy ion collisions at intermediate energies ***Pengcheng Li (Huzhou University)***
11:30–11:50	Investigate the particle production mechanism using two-particle correlation from the multiphase transport model ***Liuyao Zhang (Fudan University)***
11:50–12:10	In-medium Δ related cross sections ***Ying Cui (China Institute of Atomic energy)***
12:10–12:20	Closing
12:45–14:00	**Buffet--Lv Yun Ge Western Restaurant 绿云阁西餐厅** **(Location: Lobby, Main Building)**

Afternoon April 22, 2024 (Open discussion)

April 23, 2024 (Departure)

Conference Infrastructure

Organizing Committee

- **Chair:**

  Yu-Gang Ma, Fudan University (mayugang@fudan.edu.cn)

- **Co-chairs:**

  Lie-Wen Chen, Shanghai Jiao Tong University (lwchen@sjtu.edu.cn)

  Feng-Shou Zhang, Beijing Normal University (fszhang@bnu.edu.cn)

  De-Qing Fang, Fudan University (dqfang@fudan.edu.cn)

Contact Us

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Scan and open on mobile phone

Introduction of IFCEN

The Institut Franco-chinois de l'Energie nucléaire (IFCEN) was co-established in light of the urgent need for high-level nuclear energy specialists in China's strategic adjustment of energy and rapid development of nuclear energy. On December 21, 2009, supported by both countries' governments, Sun Yat-sen University (SYSU) and the French Consortium in Civilian Nuclear Engineering Training (FINUCI) signed a cooperation agreement at the Great Hall of the People in Beijing to co-establish IFCEN, witnessed by the then-prime ministers of China and France. The enrollment began in September, 2010.

On December 21, 2009, under the witness of the then Prime Ministers of both countries, the Chinese and French sides signed a formal cooperation agreement at the Great Hall of the People in Beijing

IFCEN aims to cultivate world-leading talents for high-end nuclear energy technology and management by introducing the principle of elite engineer training in France and creating synergies between SYSU's superb teaching resources and Guangdong's advanced nuclear energy industry. The institute has successfully explored a high-end talent training system for nuclear engineering and nuclear technology in line with China's national conditions, and has gained international recognition. As the first one in China's nuclear energy field, in 2016 and 2022, IFCEN passed accreditation twice by CTI and EUR-ACE.

IFCEN has yielded remarkable achievements in discipline construction over the past decade since its establishment in 2010. We have developed a completed degree authorization and training system. Based on the key construction projects of "Nuclear Safety and Technology" research platform and two large research teams, IFCEN has established "6+N" research directions and high-level research groups:

- High-fidelity simulation and emulation of reactors
- Nuclear thermal hydraulics
- Nuclear detection & detectors
- Nuclear environmental radiation monitoring and emergency
- Nuclear materials and mechanics
- Nuclear chemistry & radiochemistry
- Advanced accelerator technology
- Advanced nuclear energy system
- Reactor structure fluid-solid coupling
- Particle Physics and Nuclear Physics

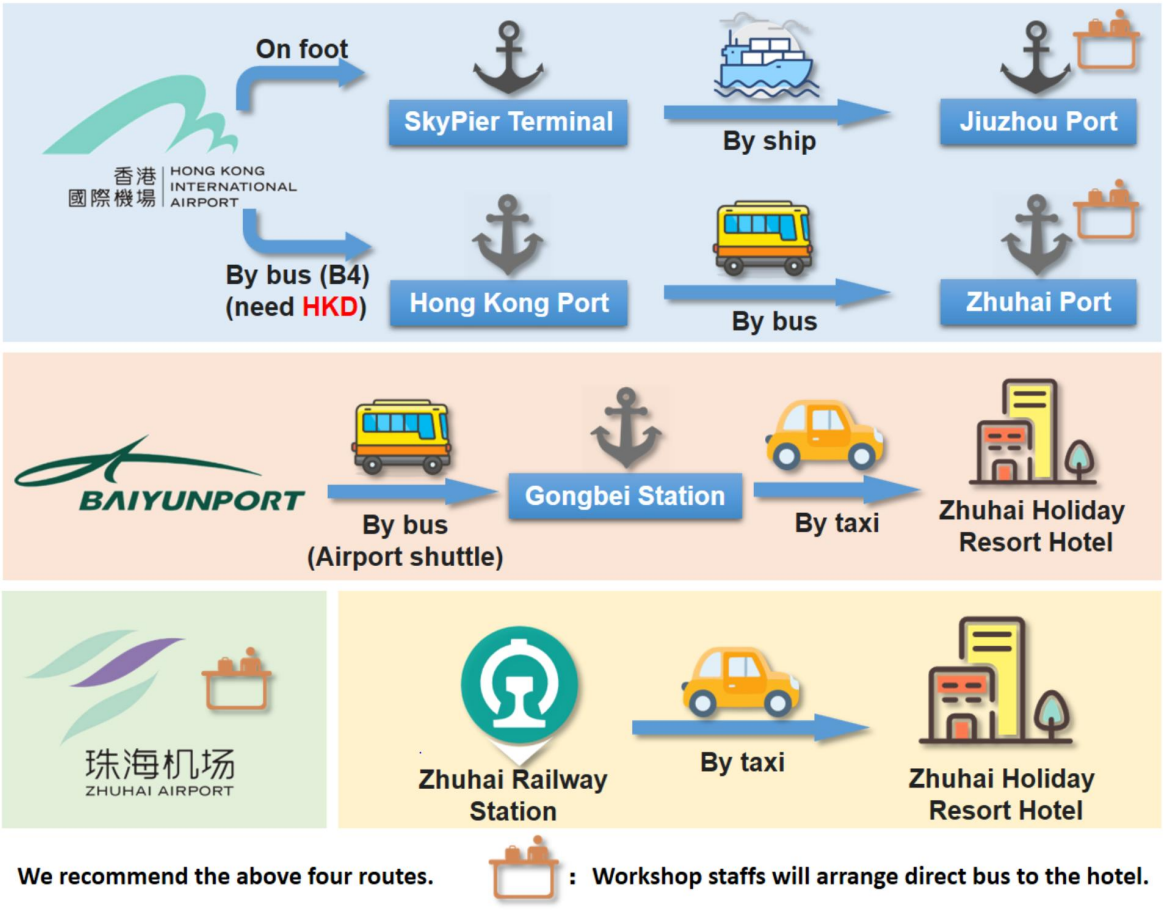
At present, we have established more than 10 scientific research laboratories for research directions including nuclear simulation and safety, nuclear thermal power, environmental radiation monitoring and emergency, nuclear materials and mechanics, nuclear chemistry and radiochemistry, nuclear detection, nuclear electronics, etc. There are 9 teaching laboratories for radiochemistry, radiation detection and neutron detection, data acquisition and communication, covering a total area of over 3,000 square meters.

Attendee Guide

➥ Traffic map

The hotel is situated in the Central Business District of Zhuhai, close to the Jiuzhou port. With the good environment and convenient transportation, it's an ideal choice for travelers.

- It is about 25 kilometers away from Zhuhai International Circuit, about a 25-minute by taxi
-The hotel is approximately 7 kilometers away from Yuanming New Garden, which is a 15-minute taxi ride;
-The distance to Zhuhai Jin Wan Airport is about 46 kilometers, or around a 60-minute journey by taxi.



We recommend the above four routes. : **Workshop staffs will arrange direct bus to the hotel.**

➥ From the vicinity of the Hotel:

The walking route to the Great Forest Park is roughly 780 meters;
The walking route to the Disney Observation Deck is about 970 meters;
The driving distance to Lovers' Road is approximately 1.6 kilometers;
The walking route to the Grand Prairie Lamb House is about 1.1 kilometers;
The walking route to the Sky Sea Building is approximately 590 meters.

Hotel Area Region: Jida District

Zhuhai Holiday Resort Hotel Address: No. 9, Jida Shihua East Road, Jida District, Zhuhai, Guangdong Province.

➥ Hotel Nearby Transportation

Zhuhai Jiuzhou Port Passenger Terminal	1.2km	Qianshan Railway Station	5.6km
Gongbei Bus Terminal	3.2km	Mingzhu Station	7.6km
Gongbei Tongda Bus Terminal	3.5km	Guangzhou Baiyun International Airport Zhuhai(Tangjia) Waiting Building	13.0km
Qishui Station	5.3km	Golden Beach	32.4km
Wanzai North Station	6.6km	Zhuhai Jiuzhou Airport	2.0km
Hengqin North Station	9.6km	Gongbei Tongda Bus Station	3.5km
Zhuhai North Station	18.5km	Zhuhai Railway Station - Exit B	4.0km
Zhuhai Jinwan Airport – Terminal	32.9km	Train Station	6.6km
Hong Kong International Airport Zhuhai Terminal	1.3km	Wanzai Station	8.2km
Qiguan Station	3.5km	Zhuhai Chimelong Station	15.3km
Zhuhai Station	4.0km	Zhuhai Jinwan Airport	32.7km

➥ Shopping Malls Near the Hotel

Yuhai World Trade Plaza	1.1km	GI Times Square	1.7km

➥ Entertainment Facilities Near the Hotel

Water Bay Garden	1.0km	Rose Garden	1.7km
General Mountain Park - Rural Garden	1.5km	Open-air Performance Stage	2.1km
Dream Ocean Amusement Park	2.0km	Zhuzai Community Park	1.3km
University Community Park	1.3km	Opera House Designer's Apartment	1.9km

➥ Delicacies Nearby the Hotel

Yunren Japanese Cuisine	0.4km	Moon Cup Izakaya(Jinjia Plaza Branch)	1.6km
Duo Tamatei (De Guang Building)	1.6km	Jinchan Cherry Blossom Cuisine (Haitaoju Branch)	2.4km
Zhuhai City Flame Bulls Creative Cuisine (Hot Wave Diving Headquarters)	1.7km	Han Yi Guan Korean Cuisine	1.5km
Long Hair Seafood City	1.5km	Chunxing Seafood Restaurant (Garden Road Branch)	1.6km

List of Participants

Name	Organization
Ruiqi Yin	ALICE- FDU Collaboration
Jianyou Guo	Anhui university
Shisheng Zhang	Beihang University
Baohua Sun	Beihang University
Guoping Gao	Beijing Computational Science Research Center
Ying Zou	Beijing Normal University
Qinglin Niu	Beijing Normal University
Minghao Zhang	Beijing Normal University
Fengshou Zhang	Beijing Normal University
Donghong Zhang	Beijing Normal University
Fan Zhang	Changzhi University
Yingxun Zhang	China Institute of Atomic Energy
Ying Cui	China Institute of Atomic Energy
Peiwei Wen	China Institute of Atomic Energy
Kai Zhao	China Institute of Atomic Energy
Hairui Duan	China Institute of Atomic Energy
Chengjian Lin	China Institute of Atomic Energy
Huiming Jia	China Institute of Atomic Energy
Jungang Deng	China Three Gorges University
Joseph Natowitz	Cyclotron Institute Texas A & M University
Yugang Ma	Fudan University
Yiheng Feng	Fudan University
Xiangai Deng	Fudan University
Wenhao Zhou	Fudan University
Simin Wang	Fudan University
Ran Tu	Fudan University
Meiyi Chen	Fudan University
Liuyao Zhang	Fudan University
Li Yan	Fudan University
Kaijia Sun	Fudan University
Jiateng Peng	Fudan University
Jiaqi Luo	Fudan University
Deqing Fang	Fudan University
Daineng Liu	Fudan University
Zhengqing Wang	Fudan University

Name	Organization
Marek Ploszajczak	GANIL
Cheng Li	Guangxi Normal University
Lilin Zhou	Guangxi University
Junjun Cai	Guangxi University
Gen Zhang	Guangxi University
Ying Yuan	Guangxi University of Chinese Medicine
Gaofeng Wei	Guizhou Normal University
Xin Li	Henan Normal University
Chunwang Ma	Henan Normal University
Xiaojun Bao	Hunan Normal University
Zhilong Huang	Huzhou University
Xiaobao Wang	Huzhou University
Pengcheng Li	Huzhou University
Jiansong Wang	Huzhou University
Guojun Wei	Huzhou University
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Rui Wang	INFN
Martin Veselsky	Institute of Experimental and Applied Physics, Czech Technical University in Prague
Jianguo Li	Institute of Modern Physics Chinese, Academy of Sciences
Zhiyuan Zhang	Institute of Modern Physics, Chinese Academy of Sciences
Zhendong An	Institute of Modern Physics, Chinese Academy of Sciences
Shivani Jain	Institute of Theoretical Physics, Chinese Academy of Sciences
Vazgen Sargsyan	Join Institute for Nuclear Research
Dastan Ibadullayev	Join Institute for Nuclear Research
Alexander Yeremin	Join Institute for Nuclear Research
Alexander Svirikhin	Join Institute for Nuclear Research
Aleksandr Rodin	Join Institute for Nuclear Research
Maksim Shumeiko	Joint Institute for Nuclear Research
Eric Suraud	Lab. Phys. Theo, Univ. P. Sabatier
Xingwei He	Lishui University
Xiaotao He	Nanjing University of Aeronautics and Astronautics
Jingjing Li	Nanjing University of Aeronautics and Astronautics
Rong An	Ningxia University
Hong Huo	Nuclear Techniques

Name	Organization
Yasuhisa Abe	RCNP, Osaka University
Baojun Cai	Shadow Creator Inc.
Zuotang Liang	Shandong University
Xiguang Cao	Shanghai Advanced Research Institute, CAS
Tingting Wang	Shanghai Institute of Applied Physics, Chinese Academy of Sciences
Hongyi Jiang	Shanghai Institute of Applied Physics, Chinese Academy of Sciences
Chenzhong Shi	Shanghai Institute of Applied Physics, Chinese Academy of Sciences
Jinbiao Hu	Shanghai Jiao Tong University
Zhidong Yang	Shanghai Jiao Tong University
Zheng Cao	Shanghai Jiao Tong University
Yingshan Zhao	Shanghai Jiao Tong University
Sipei Wang	Shanghai Jiao Tong University
Liewen Chen	Shanghai Jiao Tong University
Junting Ye	Shanghai Jiao Tong University
Jimin Bai	Shanghai Jiao Tong University
Donggang Yue	Shanghai Jiao Tong University
Yifeng Sun	Shanghai Jiao Tong University
Jiahui Zou	Shanghai Jiao Tong University
Rong Li	Shanxi Normal University
Junsheng Li	Shanxi Normal University
Donghai Zhang	Shanxi Normal University
Xiang Jiang	Shenzhen University
Daming Deng	Shenzhen University
Chunlin Bai	Sichuan University
Zhaoqing Feng	South China University of Technology
Niu Wan	South China University of Technology
Dehua Wen	South China University of Technology
Weizhou Jiang	Southeast University
Wei Ye	Southeast University
Naibo Zhang	Southeast University
Zhen Zhang	Sun Yat-sen University
Zepeng Gao	Sun Yat-sen University
Zehong Liao	Sun Yat-sen University
Yumei Zhang	Sun Yat-sen University

Name	Organization
Yueping Fang	Sun Yat-sen University
Yu Yang	Sun Yat-sen University
Yinu Zhang	Sun Yat-sen University
Yingge Huang	Sun Yat-sen University
Xin Lei	Sun Yat-sen University
Xiao Fang	Sun Yat-sen University
Wei Hua	Sun Yat-sen University
Wei Wang	Sun Yat-sen University
Tianjun Yu	Sun Yat-sen University
Runze Zhang	Sun Yat-sen University
Qian Lan	Sun Yat-sen University
Pengming Zhang	Sun Yat-sen University
Nengxin Zheng	Sun Yat-sen University
Mengying Qiu	Sun Yat-sen University
Menglan Liu	Sun Yat-sen University
Long Zhu	Sun Yat-sen University
Jun Zeng	Sun Yat-sen University
Jun Su	Sun Yat-sen University
Jiangming Yao	Sun Yat-sen University
Jiali Huang	Sun Yat-sen University
Huizi Liu	Sun Yat-sen University
Hui Wang	Sun Yat-sen University
Guangxin Zhang	Sun Yat-sen University
Fuchang Gu	Sun Yat-sen University
Erxi Xiao	Sun Yat-sen University
Chenchen Guo	Sun Yat-sen University
Changfeng Jiao	Sun Yat-sen University
Cenxi Yuan	Sun Yat-sen University
Boshuai Cai	Sun Yat-sen University
Bo Mei	Sun Yat-sen University
Hailan Zheng	Tongji University
Hongfei Zhang	Xi'an Jiaotong University
Guoyun Shao	Xi'an Jiaotong University
Penghui Chen	Yangzhou University

IWND2024
Zhuhai,China