

Sino-French school of subatomic physics and applications

2026 1 Nov. – 14 Nov.

Huizhou, China (中国·惠州)



Meeting Guidelines

Meeting Venue:

Room #3 at Conference Center, Institute of Modern Physics (IMP), Chinese Academy of Sciences (Huizhou Heqiao Campus)

Registration:

- Time: 08:00 - 20:00, 1 November 2026.
- Place: 1F, Guest House, Institute of Modern Physics (IMP), Chinese Academy of Sciences (Huizhou Heqiao Campus).
- No registration fee is required.
- Participants who arrive outside the central registration period may complete registration at the on-site conference during the meeting period.
- As participants will arrive at different times, no shuttle service will be arranged for this workshop. Participants are kindly requested to make their own way to the venue. We appreciate your understanding.

Accommodation:

Accommodation will be arranged by the organizing committee at the guesthouse of the Institute of Modern Physics, Chinese Academy of Sciences (IMP), Huizhou Heqiao Campus. Participants do not need to book accommodation themselves. After completing conference registration, participants may register and check in at the front desk in the guesthouse lobby. Accommodation costs will be covered by the organizing committee.

Meal Arrangements:

Buffet breakfast (8:00–9:00), lunch (12:00–13:00) and dinner (18:00–19:00) will be served at the canteen for all days from 1 to 14 November, with the following exceptions: a welcome banquet at HIAF at approximately 18:00 on 7 November; lunch at Songshan lake, Dongguan on 9 November; and a box lunch at Sun Yat-sen University (around 12:00) followed by dinner in Zhongshan (around 19:00) on 11 November.

Local Transportation:

- Ride-hailing services (primarily Didi) are more commonly used by local residents than traditional taxis.
- Typical fare: approximately RMB 2 per kilometer.
- Payment fares can be settled via the Didi app using WeChat Pay or Alipay.

Please check the Indico page for the most up-to-date timetable:
https://indico.impcas.ac.cn/event/199/timetable/



Program

Sunday, November 1	
10:00-18:00	**Arrival**
18:00-19:00	**Registration** Location: 1F, Guest House, IMP CAS (Huizhou Heqiao Campus)
19:00-22:00	**Welcome reception** Location: Café by the lake on campus

Monday, November 2 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 1		
8:50	**Welcome**	
9:00	**Costel Petrache** (SFU Burnaby, IMP CAS)	Nuclear structure as a tool to investigate the microscopic universe
11:00	**Teng Tan** (IMP CAS)	Superconducting RF technologies and CiADS project: engineering challenges for sustainable fission energy
12:00	**Lunch**	
Session 2		
14:30	**Serge Franchoo** (IJClab, Orsay)	Overview of experimental nuclear physics
Student talks		
16:30-17:00	**Beymar Javier Quenallata Surco** (University of Coimbra)	Neutrinoless double-beta decay search with SNO+
17:00-17:30	**Corentin Hiver** (Heavy Ion Laboratory, University of Warsaw)	Fission isomers studies
17:30-18:00	**Andrej Špaček** (Heavy Ion Laboratory, University of Warsaw)	Development and current status of the FLASH campaign at HIL Warsaw

Tuesday, November 3 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 3		
9:00	**Hao Qiu** (IMP CAS)	Potential particle and hadron physics studies on HIAF

11:00	**Ruihu Zhu** (IMP CAS)	Progress and status of the High Intensity heavy-ion Accelerator Facility (accelerator at CiADS)
12:00	**Lunch**	
Session 4		
14:30	**Guangxin Zhang** (Sun Yat-Sen University)	High-precision timing in digital acquisition: applicationsin gamma-ray spectroscopy
Student talks		
16:30-17:00	**Casper-David Lakenbrink** (University of Cologne)	First measurement of lifetimes of excited states in ^{176}Hg
17:00-17:30	**Clemens Nickel** (Technische Universität Darmstadt)	Lifetime measurements of excited states of ^{156}Sm
17:30-18:00	**Shiyu Liu** (IJClab, Orsay)	Neutron induced fission on ^{232}Th

Wednesday, November 4 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 5		
9:00	**Aiqiang Guo** (IMP CAS)	Hyperon-nucleon spectrometer at HIAF
10:00	**Chaoyi Fu** (IMP CAS)	Mass measurements of rare isotopes using TOF mass spectrometry at HIAF
11:00	**Xingbo Zhao** (IMP CAS)	Proton structure: what we know and what we do not
12:00	**Lunch**	
Session 6		
14:30	**Maria Victoria Vedia Fernandez** (CERN)	State-of-the-art beta-decay stations pushing the limits of nuclear physics and technologys
Student talks		
16:30-17:00	**Afonso Vicente** (IJClab, Orsay)	Developments towards laser spectroscopy of molecules in a supersonic gas jet at S3-LEB
17:00-17:30	**Muhammad Ramiz Zakir** (University of Cassino and Southern Lazio)	High-voltage plasma discharge, electron-density evolution and radiated electromagnetic-field analysis
17:30-18:00	**Jelena Bardak** (GSI, Darmstadt)	High-resolution gamma-ray spectroscopy of ^{136}Ba: implications for neutrinoless double beta decay

Thursday, November 5 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 7		
9:00	**Frank (Tongan) Wu** (Simon Fraser University, Burnaby)	Tin beyond a single shape: new insights from fast timing lifetime measurements in grenoble
10:00	**Yang Yuan (Online)** (IMP CAS)	Electron–ion resonant recombination spectrometer: a new platform for atomic and nuclear physics
11:00	**Mingming Zhang** (IMP CAS)	SHE studies at the gas-filled recoil separators in IMP
12:00	**Lunch**	
Session 8		
14:30	**Subatomic Thematic Discussion**	
16:30	**Yu Xu** (IMP CAS)	Short baseline neutrino experiments
17:30	**Zhen Liu** (IMP CAS)	An Introduction to the JUNO experiment

Friday, November 6	
Free time	
12:00	**Lunch (optional)**
Free time	

Saturday, November 7 Location: Room #1	
9:00-12:00	**DREB Talks**
12:00	**Lunch**
14:30-19:30	**HIAF & CiADS visit**

Sunday, November 8 Location: Room #1	
9:00-12:00	**DREB Talks**
12:00	**Lunch**
14:30-19:30	**DREB Talks**

Monday, November 9 Location: CSNS at Dongguan	
9:00-12:00	**CSNS visit**
12:00	**Lunch**
14:00-16:00	**CSNS introduction by Ruirui Fan**

Tuesday, November 10 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 9		
9:00	**Zhong Liu** (IMP CAS)	Production and decay spectroscopy of exotic nuclei
11:00	**Tao Wan** (IMP CAS)	Reduction of nuclear power plant waste by accelerator driven system-transmutation technology of spent nuclear fuel
12:00	**Lunch**	
Free time		

Wednesday, November 11	
9:00-12:30	**Sun Yat-sen University visit**
12:30-14:30	**Lunch**
14:30-17:00	**JUNO visit**

Thursday, November 12 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 10		
9:00	**Xiaodong Tang** (IMP CAS)	The nuclear physics of stars: origins of the elements
11:00	**Fanfei Zeng** (LNL, Legnaro)	Quantal rotation and pn interaction in the N=Z=31 ^{62}Ga and the REMO/ClimOcean project at SPES/LNL RIB facility
12:00	**Lunch**	
Student talks		
14:30-15:00	**Szymon Zajda** (University of Warsaw)	Beta-delayed gamma spectroscopy of ^{122}Ag: excited-state structure of ^{122}Cd
15:00-15:30	**Muzomuhle Patrick Mlotshwa** (University of Zululand)	Systematics study of octupole bands in rotating even-even nuclei to reveal rigid or soft octupole shape
15:30-16:00	**Mahima Sachdeva** (Institut de Física d'Altes Energies, Spain)	Testbeam results of irradiated 3d pixel linear triplet of inner tracker of atlas experiment
16:30-17:00	**Gururaj Kumar** (GSI, Darmstadt)	Recent developments in earthquake forecasting using radon based ground water networking
17:00-17:30	**Madhu Madhu** (Simon Fraser University, Burnaby)	Exploring the structure of ^{114}Sn via beta decay with GRIFFIN

Friday, November 13 Location: Room #3		
Time	**Speaker**	**Lecture title**
Session 11		
9:00	**Corina Andreoiu** (Simon Fraser University, Burnaby)	Beta decay studies of selected magic nuclei with Griffin
11:00	**Xiaoyu Liu** (IMP CAS)	In-beam γ-ray spectroscopy of ^{100}Sn
12:00	**Lunch**	
Session 12		
14:30	**Wada Michiharu** (IMP CAS)	Atomic masses of unstable nuclides, why and how
16:30	**Song Guo** (IMP CAS)	Reactions induced by isomer beams
18:00	**Closing**	

Travel guidance

Venue: Institute of Modern Physics (IMP), Chinese Academy of Sciences (Huizhou Heqiao Campus)

Venue in Chinese for navigation: 中国科学院近代物理研究所 （惠州河桥园区）

Address: No.1 Xinqiao North Road, Huicheng District, Huizhou, Guangdong, P.R.China

Address in Chinese：中国广东省惠州市惠城区河南岸新桥北路 1 号

Important practical tips for foreign participants

1. Two taxi options are available:
   a). Official taxi rank: Take a licensed taxi at the designated taxi parking area after baggage claim. No app or account registration required. Please prepare the Chinese venue address to show the driver. You will need to pay for the taxi with Alipay or Wechat.
   b). Online ride-hailing (this is much more popular in China now): Book via DiDi or AMAP (international version of Amap). You need to download the corresponding application and register an account.
2. Fare notes: highway tolls are normally not included in long-distance Di-Di or taxi fares. A night-time surcharge may apply for journeys between 22:00 and 06:00.
3. Campus entry: please state your conference name at the main-gate security checkpoint for visitor registration.
4. If you encounter problems for paying the taxi fare at the campus entry, you can contact the organizing committee directly or via the gate guards.



Route from the southeast gate of IMP CAS (Huizhou Heqiao Campus) to hotel reception (red lines)



Main gate (south east gate) of the IMP CAS
中国科学院近代物理研究所惠州河桥园区东南门

Useful Apps in China

1. Alipay / WeChat

Most payments to merchants and services in China are now handled through digital payment platforms Alipay or WeChat. Cash is rarely used, and only limited larger shops accept international credit cards. We therefore recommend you to install Alipay or WeChat prior to your arrival in China.

You can link major international credit cards to Alipay/WeChat and pay through the app using the dynamic QR codes therein.

2. AMAP

The information for Chinse roads/transits on Google Maps are not always up to date. We therefore recommend using your built-in Maps app (if you use an iPhone), or use the Chinese App AMAP, which will provide more accurate navigation. As a bonus, AMAP also gives you an option to order ride-hailing directly from the Map app.

3. Didi

Didi is the Chinese equivalent to Uber/Lyft, and is more often used by locals than regular taxis. You can pay for the fare through the Didi app using WeChat or Alipay.

Please remember the phone number that you use to register your Didi account, as the driver may ask you for the last 4 digits of the phone number as an “identity” confirmation when you board the vehicle.

Notes