

中國科學院高能物理研究所
Institute of High Energy Physics, Chinese Academy of Sciences



中國科學院系港創新研究院
Hong Kong Institute of Science & Innovation, Chinese Academy of Sciences

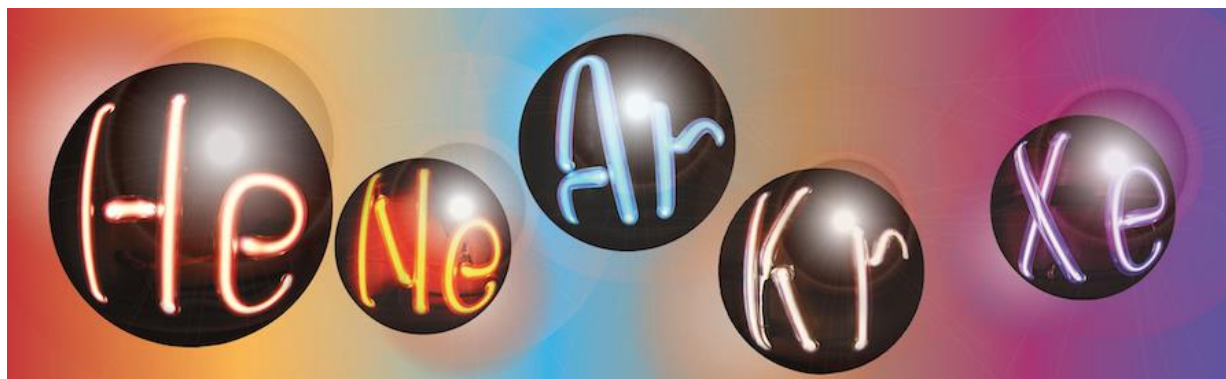
LIDINE 2025

LIGHT DETECTION IN NOBLE ELEMENTS

Yi Wang (IHEP, CAS)

October 21~24, 2025

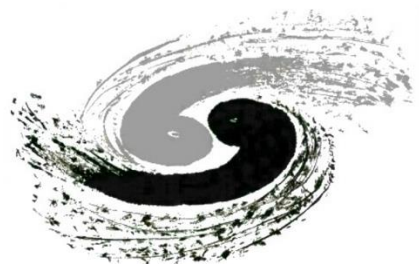
Hong Kong SAR, China





LIDINE 2025





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中國科學院
香港創新研究院
Chinese Academy of Sciences
Hong Kong Institute of Science & Innovation

Hong Kong Institute of Science & Innovation, CAS

Established with the approval of the Central Government, HKISI was funded in April 2019 as an affiliated institute of the Chinese Academy of Sciences in the Hong Kong SAR.

Strategic Location:

Hong Kong: Hong Kong Science Park

Shenzhen: : Hetao Shenzhen-HK Science and Technology Innovation Cooperation Zone

Vision and Mission:

A World-Class Research Institution

A Centre for Mainland-Hong Kong Scientific Collaborations

A Platform for Global Academic Exchange

A Hub for Attracting Top-Notch Talent from Around the World

Research Departments:

Centre for Regenerative Medicine and Health (CRMH)

Centre for Artificial Intelligence and Robotics (CAIR)

Centre for Basic and Frontier Sciences (CBFS)



Research Talents:

Total staff: **227**

Researchers: **174**

Age 45 and Below: **166**

Local Organizing Committee

- Guofu Cao (IHEP, CAS)
- Yinghua Jia (IHEP, CAS)
- Gaosong Li (IHEP, CAS)
- Yichun Liu (IHEP, CAS)
- Shanjun Ren (IHEP, CAS)
- Xilei Sun (IHEP, CAS)
- Tian Tian (HKISI, CAS)
- Yi Wang (IHEP, CAS)
- Xinyu Wu (HKISI, CAS)
- Changgen Yang (IHEP, CAS)
- Jingbo Ye (IHEP, CAS)
- Xiaoxiao Zhang (HKISI, CAS)
- Yongpeng Zhang (IHEP, CAS)

International Scientific Committee:

- Nicola Canci (INFN-Napoli)
- Theresa Fruth (Univ. of Sydney)
- Marcin Kuźniak (AstroCeNT, Poland)
- Qing Lin (Univ. of Science and Tech. of China)
- Ana Machado (UNICAMP)
- Kaixuan Ni (UC San Diego)
- Tina Pollmann (Nikhef/University of Amsterdam)
- Roberto Santorelli (CIEMAT, Spain)
- Marco Selvi (INFN-Bologna)
- Andrzej Szelc (Univ. of Edinburgh)
- Yi Wang (IHEP, CAS)

Sponsors



Practical Information

- Speaker
 - Please upload your presentation:
 - before the previous session ends
 - or by 8:00 AM if you are in the first morning session
- Poster session
 - Posters will be displayed in the hallway outside the Sung Room from Tuesday morning through Thursday afternoon.
- Technical support:
 - Yongpeng Zhang (ypzhang1991@ihep.ac.cn)
- Registration & Invoices
 - Shanjun Ren (rensj@ihep.ac.cn)

Discussion Session

- Thursday, October 23 (Afternoon) — Sung Room
- **Topic 1: Detector Scale-Up Challenges & Low Background**
- Convener: Roberto Santorelli
(roberto.santorelli@ciemat.es)
- **Topic 2: R&D & Novel Concepts**
- Conveners: Kaixuan Ni (nikx@physics.ucsd.edu)
Nicola Canci (nicola.canci@inf.n.it)

We encourage everyone to join the discussions and, if possible, prepare a simple slide to help illustrate your ideas and facilitate the exchange.

LIDINE 2025

LIGHT DETECTION IN NOBLE ELEMENTS

10/23
Lunch

(2/F)
The Café

10/22
Banquet

(4/F)
Sung Room

10/22
Lunch

(17/F)
Sky Lounge

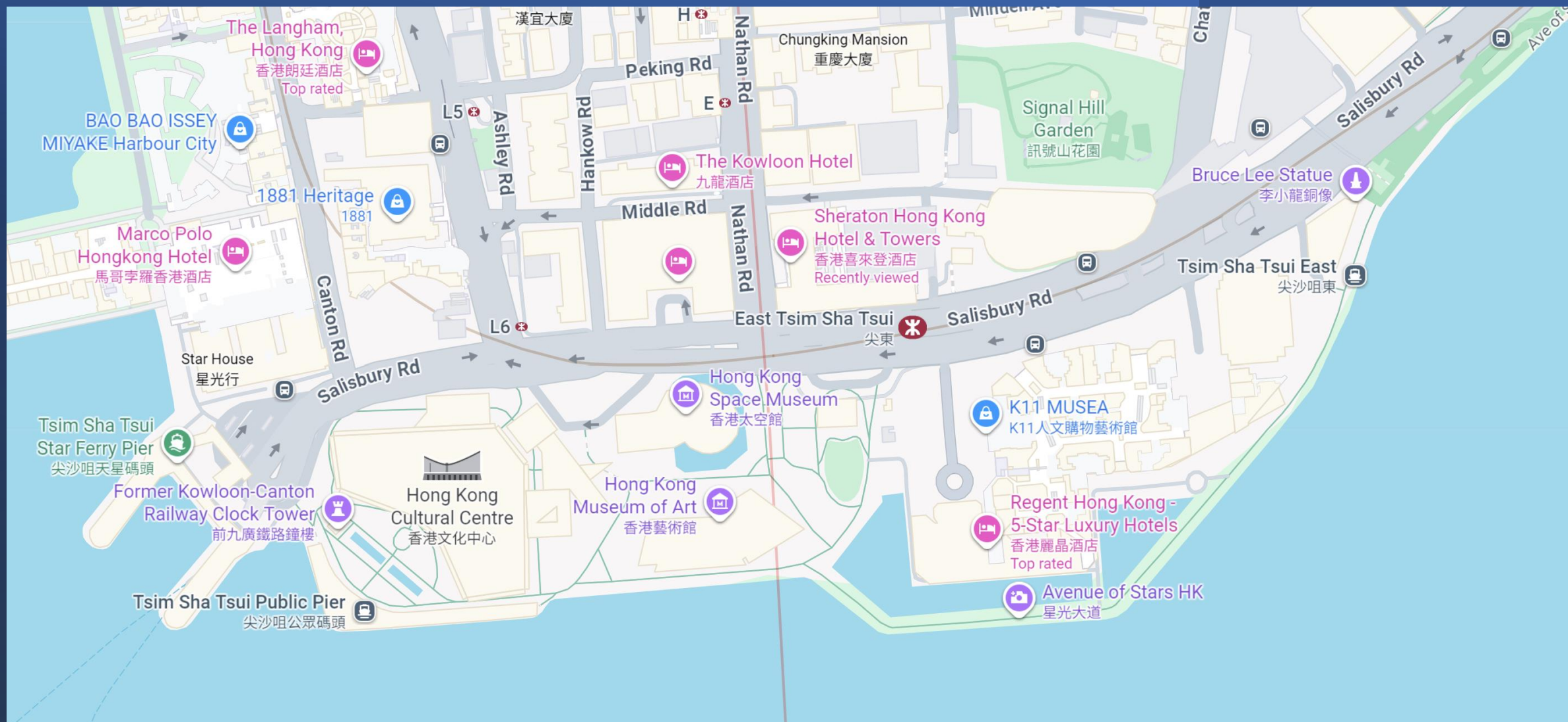
10/21
Welcome Reception

(4/F)
Sung Room

10/21
Lunch

(17/F)
Sky Lounge

- Please remember to keep your meal vouchers with you, as they are required for access to the restaurant.
- There are plenty of restaurants and bars in the area — enjoy exploring and experience the vibrant nightlife of Hong Kong!



An aerial night view of Hong Kong, showing a dense urban landscape with numerous illuminated skyscrapers and buildings. The city is set against a dark, cloudy sky, with the lights of the city reflecting on the water in the background. The overall atmosphere is vibrant and modern.

Enjoy LIDINE 2025!
Enjoy your stay in Hong Kong!