



ICTP-AP
International Centre
for Theoretical Physics Asia-Pacific
国际理论物理中心-亚太地区

2024 ICTP-AP Winter School on Theoretical Physics

Schedule



University of Chinese Academy of Sciences
International Centre for Theoretical Physics Asia-Pacific

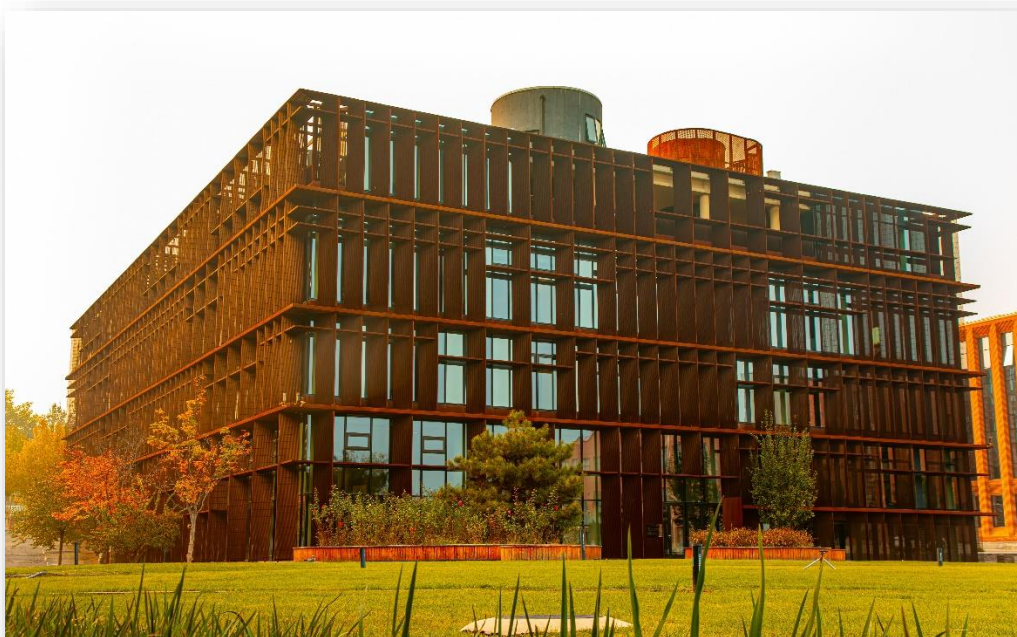
November 24 - 30 2024, Beijing

- **General Information**

- **Venue**

109 Lecture Hall, Sino-Danish College Building, Yanqihu Campus of University of Chinese Academy Sciences

中国科学院大学雁栖湖校区，中国-丹麦科研教育中心大楼 109



- **Accommodation**

International Conference Centre of University of Chinese Academy of Sciences

中国科学院大学雁栖湖校区国际会议中心(雁栖湖校区西区大门南侧)

- **Registration:** 17:00-19:00, November 24 2024

Lobby of UCAS International Conference Centre

PRIVACY STATEMENT: During the conference, we plan to take photos and film videos. These may be circulated in our PR outlets and will not be used for commercial purpose. If you do not wish to be photographed/filmed, please contact us in advance.

Daily Schedule

Time (UTC+8)	Monday, November 25
9:00 - 9:50	Poul H. Damgaard <i>Niels Bohr International Academy</i> Title: Classical Gravity from Quantum Mechanical Amplitudes
10:00 - 10:50	Jian-Xin Lu <i>University of Science and Technology of China</i> Title: How to implement T-dualities to the D-brane amplitudes in Type II superstrings
11:00 - 11:50	* Yang Bai <i>University of Wisconsin-Madison</i> Title: Macroscopic Dark Matter and Nontopological Solitons
12:00 - 14:00	Lunch Break
14:00-14:50	* Fernando Quevedo <i>Cambridge University/ CERN</i> Title: Cosmology and String Theory
15:00 - 15:50	Hong Lü <i>Tianjin University</i> Title: Geometric Origins of Yang-Mills in Flat Spacetime
16:00 - 16:50	* Francesco Sannino <i>University of Southern Denmark/ University of Naples Federico II</i> Title: Universal description of quantum black holes
17:00 - 17:50	Laurent Baulieu <i>Sorbonne University</i> Title: Bulk and Holographic Ward Identities and (new) 1.5 Noether Theorem for BRST and Batalin-Vilkowisky Symmetries

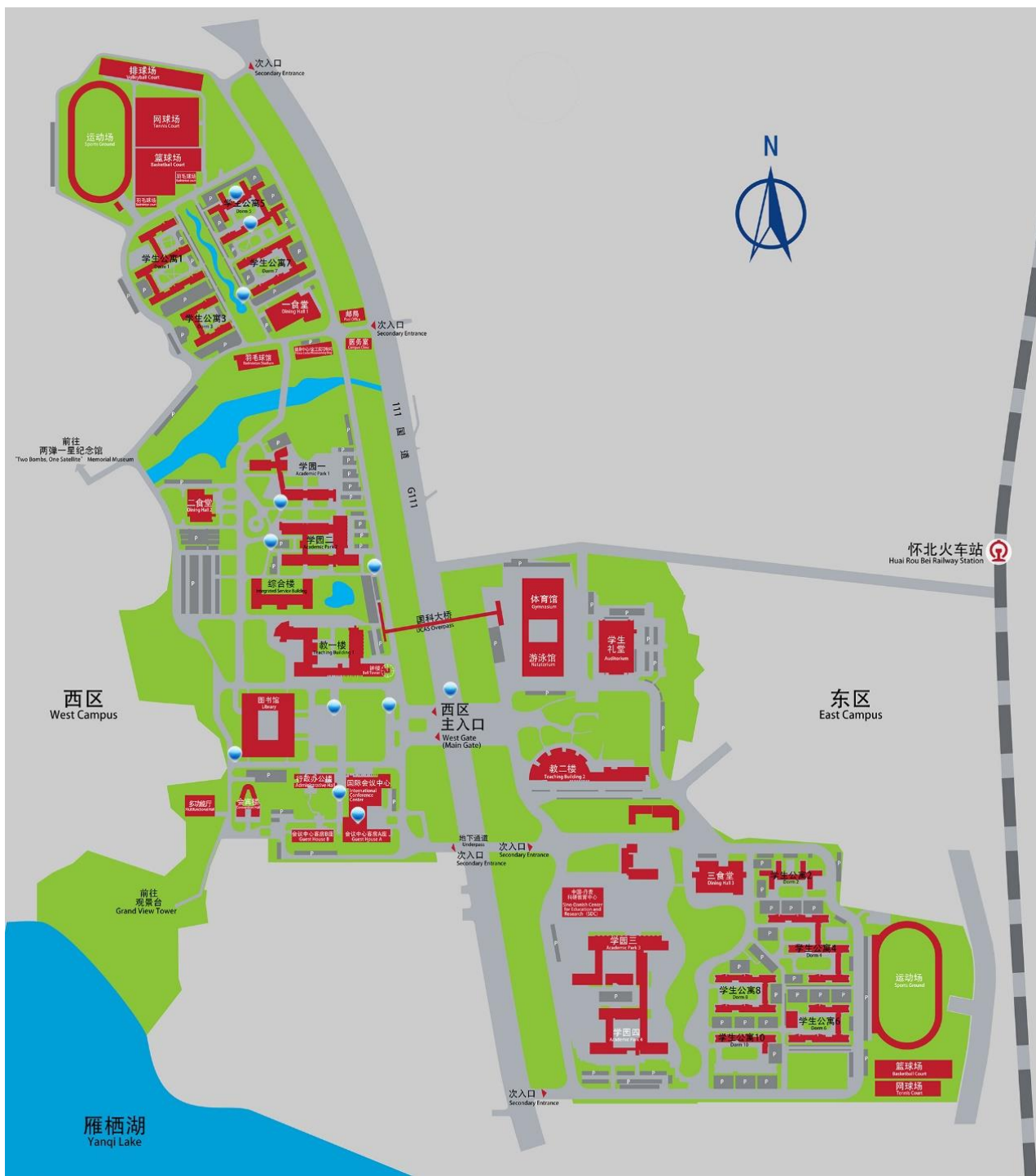
Time (UTC+8)	Tuesday, November 26
9:00 - 9:50	Poul H. Damgaard <i>Niels Bohr International Academy</i> Title: Towards All-order Perturbative Gravity Calculations
10:00 - 10:50	Jian-Xin Lu <i>University of Science and Technology of China</i> Title: How to implement T-dualities to the D-brane amplitudes in Type II superstrings
11:00 - 11:50	* Yang Bai <i>University of Wisconsin-Madison</i> Title: Macroscopic Dark Matter and Nontopological Solitons
12:00 - 14:00	Lunch Break
14:00-14:50	* Fernando Quevedo <i>Cambridge University/ CERN</i> Title: Cosmology and String Theory
15:00 - 15:50	Hong Lü <i>Tianjin University</i> Title: Geometric Origins of Yang-Mills in Flat Spacetime
16:00 - 16:50	Bo Feng <i>Beijing Computational Science Research Center</i> Title: 散射振幅现代方法初步
17:00 - 17:50	Laurent Baulieu <i>Sorbonne University</i> Title: Bulk and Holographic Ward Identities and (new) 1.5 Noether Theorem for BRST and Batalin-Vilkowisky Symmetries

Time (UTC+8)	Wednesday, November 27
9:00 - 9:50	Bin Chen <i>Ningbo University/Peking University</i> Title: Introduction to AdS/CFT
10:00 - 10:50	Yue-Liang Wu <i>International Centre for Theoretical Physics Asia-Pacific UCAS</i> Title: Unification within Gravitational Quantum Field Theory & Taiji Program for Gravitational Wave Detections
11:00 - 11:50	* Leopoldo A. Pando Zayas <i>University of Michigan</i> Title: Quantum Entropy of AdS Black Holes
12:00 - 14:00	Lunch Break
14:00-14:50	* Mu-Chun Chen <i>University of California, Irvine</i> Title: Neutrino Masses in SM and BSM
15:00 - 15:50	Kimyeong Lee <i>Beijing Institute of Mathematical Sciences and Applications</i> Title: Solitons in quantum field theory and real world
16:00 - 16:50	* Francesco Sannino <i>University of Southern Denmark/ University of Naples Federico II</i> Title: Strong Dynamics: A treasure trove for Standard Model & Beyond
17:00 - 17:50	* Subir Sarkar <i>University of Oxford</i> Title: Challenging the standard cosmological model

Time (UTC+8)	Thursday, November 28
9:00 - 9:50	Bin Chen <i>Ningbo University/Peking University</i> Title: Introduction to AdS/CFT
10:00 - 10:50	Yue-Liang Wu <i>International Centre for Theoretical Physics Asia-Pacific UCAS</i> Title: Unification within Gravitational Quantum Field Theory & Taiji Program for Gravitational Wave Detections
11:00 - 11:50	* Leopoldo A. Pando Zayas <i>University of Michigan</i> Title: Quantum Entropy of AdS Black Holes
12:00 - 14:00	Lunch Break
14:00-14:50	* Mu-Chun Chen <i>University of California, Irvine</i> Title: Neutrino Masses in SM and BSM
15:00 - 15:50	Kimyeong Lee <i>Beijing Institute of Mathematical Sciences and Applications</i> Title: Solitons in quantum field theory and real world
16:00 - 16:50	Bo Feng <i>Beijing Computational Science Research Center</i> Title: 散射振幅现代方法初步
17:00 - 17:50	* Subir Sarkar <i>University of Oxford</i> Title: Challenging the standard cosmological model

Time (UTC+8)	Friday, November 29
9:00 - 9:50	Jinwu Ye <i>Great Bay University</i> Title: On the nature of temperature
10:00 - 10:50	Jinwu Ye <i>Great Bay University</i> Title: On the nature of temperature
11:00 - 11:50	Wen-Li Yang <i>Northwest University</i> Title: Quantum integrable systems and their solutions
12:00 - 14:00	Lunch Break
14:00-14:50	Wen-Li Yang <i>Northwest University</i> Title: Quantum integrable systems and their solutions
15:00 - 16:30	Free Discussion
16:30 - 18:00	Colloquium Jun'ichi Yokoyama <i>Kavli IPMU, Tokyo University</i> Title: Quantum aspects of inflationary cosmology Venue: Auditorium, SDC Building, UCAS Yanqihu Campus

➤ Campus Map



➤ **Walk Route from Accommodation to Venue**



Contact:

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General Affairs : Min Zhang zhang-min@ucas.ac.cn