# The Hadronic Interaction Workshop

Tuesday, March 18, 2025 - Thursday, March 20, 2025

The Chinese University of Hong  Kong

# Program

# W-Fi Guest Account Information Slip

Wi-Fi Name (SSID)   : CUguest

Identity   : Conference Guests

User ID   : hadron

Password   : hadron2025#

Valid from   : 2025-03-19   00:00

Valid to   : 2025-03-20   23:59

**How to Connect**

1. Select **CUguest** from the list of available Wi-Fi networks on your device.
2. You will be prompted to sign in. Alternatively, visit any webpage to get the sign in prompt. (CUHK homepage, www.cuhk.edu.hk, is viewable without sign in.)
3. Select your **identity** and enter **User ID / Password**, then click the **Login** button.
4. Enjoy. Remember to observe the terms and conditions below and do not use the Wi-Fi network for the exchange of sensitive or personal Information.

**Remarks**

1. For enquiries or support, please contact the Account Coordinator.
2. For more information about campus Wi-Fi network, including the Wi-Fi coverage, please visit https://www.itsc.cuhk.edu.hk/all-it/wifi-and-network/on-campus-wifi/ .

**Terms and Conditions**

On using the University Wi-Fi Service, guests or event/conference/activity participants must agree to abide by the following terms and conditions:

1. CUHK reserves the right to terminate any Wi-Fi account for any kinds of abuse.
2. Please use other encrypted network for secure data transmission.
3. Upon requests, users' records of usage or contact information can be made available to legal authorities.
4. You must read and be abided by "Computer Network - Policies & Guidelines on Access and Usage" at https://www.itsc.cuhk.edu.hk/it-policies/net-guide-use/ .

# Workshop Schedule

## Location: Yasumoto International Academic Park (YIA) LT

| Tuesday, March 18, 2025 | |
|---|---|
| 2:00 PM - 5:00 PM | On-site registration |

| Wednesday, March 19, 2025 | |
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| 8:50 AM - 9:00 AM | Welcome |
| 9:00 AM - 9:45 AM | Measurement of Hadronic Cross Sections for Proton and Nuclei in Space with the DAMPE Experiment<br>YIFENG WEI 魏逸丰 |
| 9:45 AM - 10:30 AM | Status and Prospects of the LHCf experiment<br>MENJO, Hiroaki |
| 10:30 AM - 11:00 AM | Coffee Break |
| 11:00 AM - 11:45 AM | EPOS: a comprehensive MC for high-energy collisions from pp, pA to AA<br>KLAUS WERNER |
| 11:45 AM - 12:30 PM | Forward Hadron Productions in proton-nucleus collisions at NLO<br>BOWEN XIAO |
| 12:30 PM - 2:00 PM | Lunch Break |
| 2:00 PM - 2:45 PM | Forward Particle Production in pA Collisions<br>LIU, Xiaohui |
| 2:45 PM - 3:30 PM | Parton Shower Algorithm Incorporating Saturation Effect<br>JIAN ZHOU |
| 3:30 PM - 4:00 PM | Coffee Break |
| 4:00 PM - 4:45 PM | HIJING: a MC model for particle and jet production in pp, pA and AA collisions<br>WEI-TIAN DENG |
| 4:45 PM - 5:30 PM | Hadrons from a Multi-Phase Transport Model<br>LIN, Zi-Wei |
| 6:00 PM - 9:00 PM | Conference Dinner |

| Thursday, March 20, 2025 | |
|---|---|
| 9:00 AM - 9:45 AM | A Brief Introduction to PACIAE 4.0<br>DAI-MEI ZHOU |
| 9:45 AM - 10:30 AM | EPOS Updates<br>TANGUY PIEROG |
| 10:30 AM - 11:00 AM | Coffee Break |
| 11:00 AM - 11:15 AM | Investigation of hadronic interaction models through muon content analysis in EAS with the LHAASO-KM2A<br>FENG , Xiaoting |
| 11:15 AM - 11:30 AM | Preliminary results of using LHAASO to test high-energy hadron interaction models<br>游智勇 , Zhiyong You |
| 11:30 AM - 12:00 PM | Concluding Remarks |