



ATHIC 2026

The 11th Asian Triangle Heavy-Ion Conference

5-9 November 2026
Shanghai, China

Conference Handbook



About the Conference

The 11th Asian Triangle Heavy-Ion Conference (ATHIC 2026) will be hosted by Fudan University in Shanghai, China. The conference will take place at the Shanghai Science Hall, Shanghai, from Thursday, November 5th to Monday, November 9th, 2026. Please note that November 5th is reserved for registration. The conference is supported by the Shanghai Nuclear Society, the Shanghai Physical Society, among others.

ATHIC 2026 continues the tradition of previous conferences, which began in Seoul in 2006, with the most recent one held in Odisha in 2025. Many physicists from Asian countries have been actively engaged in both experimental and theoretical research on heavy-ion collisions. ATHIC provides a platform for these researchers to gather and discuss exciting developments in the field. We look forward to fostering fruitful discussions among participants and generating new ideas to advance our understanding of hot and dense QCD matter.

ATHIC 2026 will focus on a wide range of topics, including but not limited to:

- ◎ Initial state and thermalization
- ◎ Jets and medium response
- ◎ Heavy quarks and quarkonia
- ◎ Electromagnetic probes
- ◎ Collective dynamics
- ◎ Correlations and fluctuations
- ◎ QCD phase diagram and extreme conditions
- ◎ QGP in small systems
- ◎ Strong fields, spin and vorticity
- ◎ Hadronic interactions and exotic states
- ◎ New theoretical developments
- ◎ Experimental techniques and future programs

The conference will feature plenary, parallel, and poster sessions.



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Conference Information

Conference Dates



5-9 November 2026

Shanghai Science Hall
No.57 Nanchang Rd,
Shanghai



Conference Venue

Website & Contact



<https://napp.fudan.edu.cn/event/381/>

athic2026@fudan.edu.cn

International Advisory Committee (ATHIC 2026)

1. Anju BHASIN (Jammu U., India)
2. Shinichi ESUMI (U. Tsukuba, Japan)
3. Santosh Kumar DAS (IITGoa, India)
4. Kenji FUKUSHIMA (U. Tokyo, Japan)
5. Taku GUNJI (U. Tokyo, Japan)
6. Sourendu GUPTA (TIFR, India)
7. Tetsufumi HIRANO (Sophia U., Japan)
8. Byungsik HONG (Korea U., Korea)
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13. Yu-Gang MA (Fudan/ECNU, China)
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15. Dongho MOON (Chonnam National U., Korea)
16. Chiho NONAKA (Hiroshima U., Japan)
17. Sayantan SHARMA (IMSc, India)
18. Kenta SHIGAKI (Hiroshima U., Japan)
19. Qun WANG (USTC, China)
20. Xin-Nian WANG (LBNL, USA/China)
21. In-Kwon YOO (Pusan National U., Korea)
22. Jinhee YOON (Inha U., Korea)
23. Yapeng ZHANG (IMP, China)
24. Pengfei ZHUANG (Tsinghua U., China)

Local Organizing Committee (ATHIC 2026)

1. Guo-Liang Ma (Chair)
2. Jinhui Chen
3. De-Qing Fang
4. Xu-Guang Huang
5. Wan-Bing He
6. Kaijia Sun
7. Dingyu Shao
8. Qiye Shou
9. Simin Wang
10. Li Yan
11. Chunjian Zhang
12. Bo Zhou
13. Jianhui Zhu
14. Jie Zhao

Hotel Check-in Guidelines

Accommodation Information for:ATHIC2026

The 2026 ATHIC Conference offers three hotels for participants to choose from: Jinjiang Tower, Mason Hotel and Huamei International Hotel. If you need accommodation, please book your room in the hotel section of the conference registration website in advance. Without an advance reservation, the Organizing Committee cannot provide hotel arrangements, and you will need to arrange accommodation on your own.

The Organizing Committee will set up a reception desk in the lobby of each of the three hotels mentioned above, with two staff members on site to answer enquiries for guests.

Reception Hours of Committee Staff at Conference Hotels:
12:00 – 20:00, 5 November 2026

Conference Services:

1. Staff assistance with hotel check-in formalities for participants
2. Guidance on transport and routes from the hotel to the main conference venue

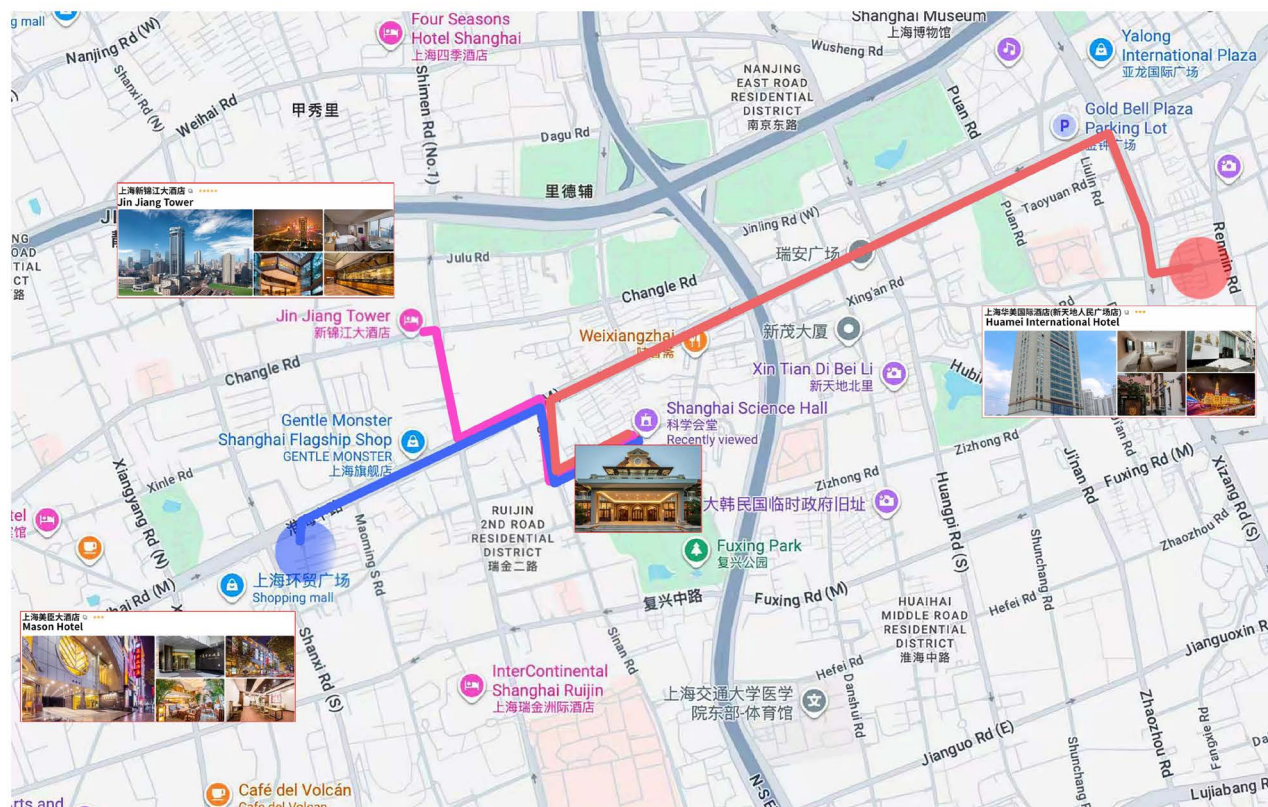
Check-in Guidelines:

1. Please complete your hotel reservation via the official conference website in advance and retain your booking confirmation.
2. Room rates and deposits are to be paid by participants personally. You shall be liable for any incidental expenses and compensation for damage to hotel property caused by yourself.
3. Participants with confirmed reservations at the three hotels may check in after 14:00 from 5 November to 8 November.

Notes:

- Hotel front desk service: 24 hours (please contact the hotel front desk if you encounter any problems)
- Check-in & Check-out policy: Check-in after 14:00; Check-out before 12:00
- Deposit: A security deposit is required at Jinjiang Tower and Mason Hotel
- The hotel will verify your reservation information provided by the Organizing Committee for check-in

Walking Directions to the Venue



Route	Hotel	Distance	Walk
Pink	Jin Jiang Tower	750 m	10 min
Blue	Mason Hotel	950 m	12 min
Red	Huamei International Hotel	2.0 km	30 min

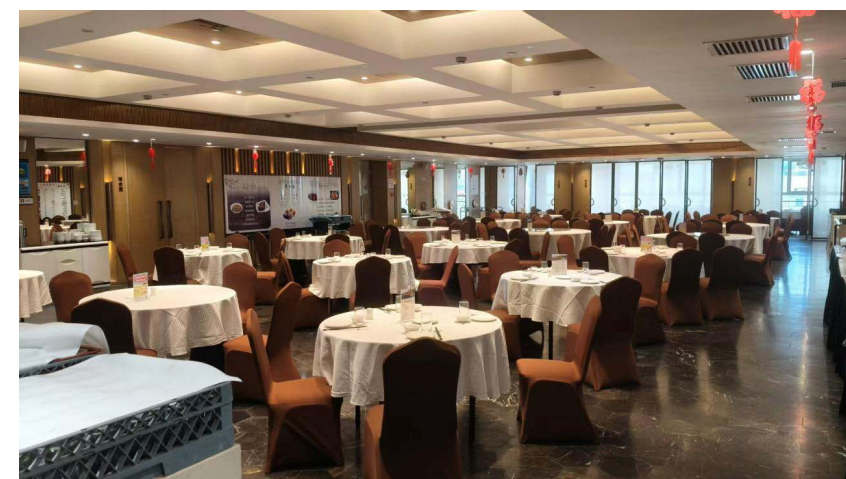
Note: Please follow the colored routes on the above map, if walking from your hotel to Shanghai Science Hall. Walking distances and times are approximate in the table, which may vary by route and pace.

Dining Guide

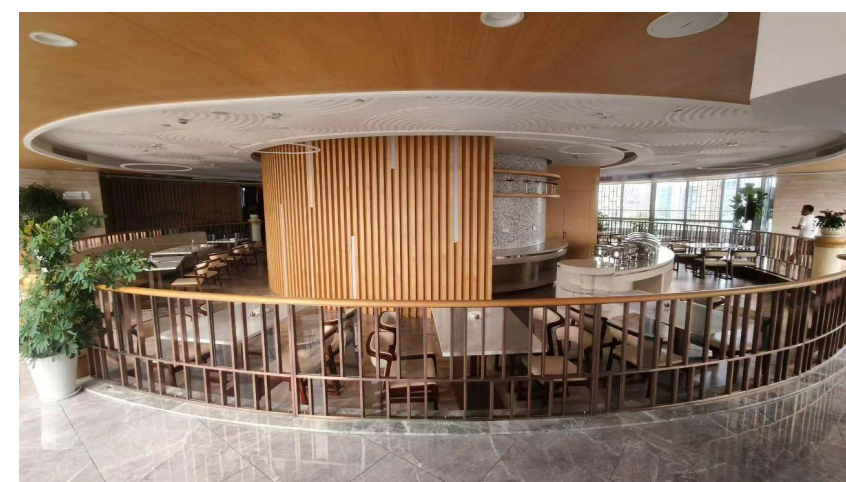
Buffet Lunch Service Hours: 12:00-14:00 daily, 6–9 November 2026.

Buffet Lunch Service Locations: the 5th Floor and 17th Floor of Building 9 (Sinan Building), Shanghai Science Hall.

Note: Lunch vouchers will be distributed at conference check-in. Please bring your lunch voucher for the corresponding date, follow the on-site arrangements for staggered dining, and proceed to the designated floors in batches as instructed by on-site staff.

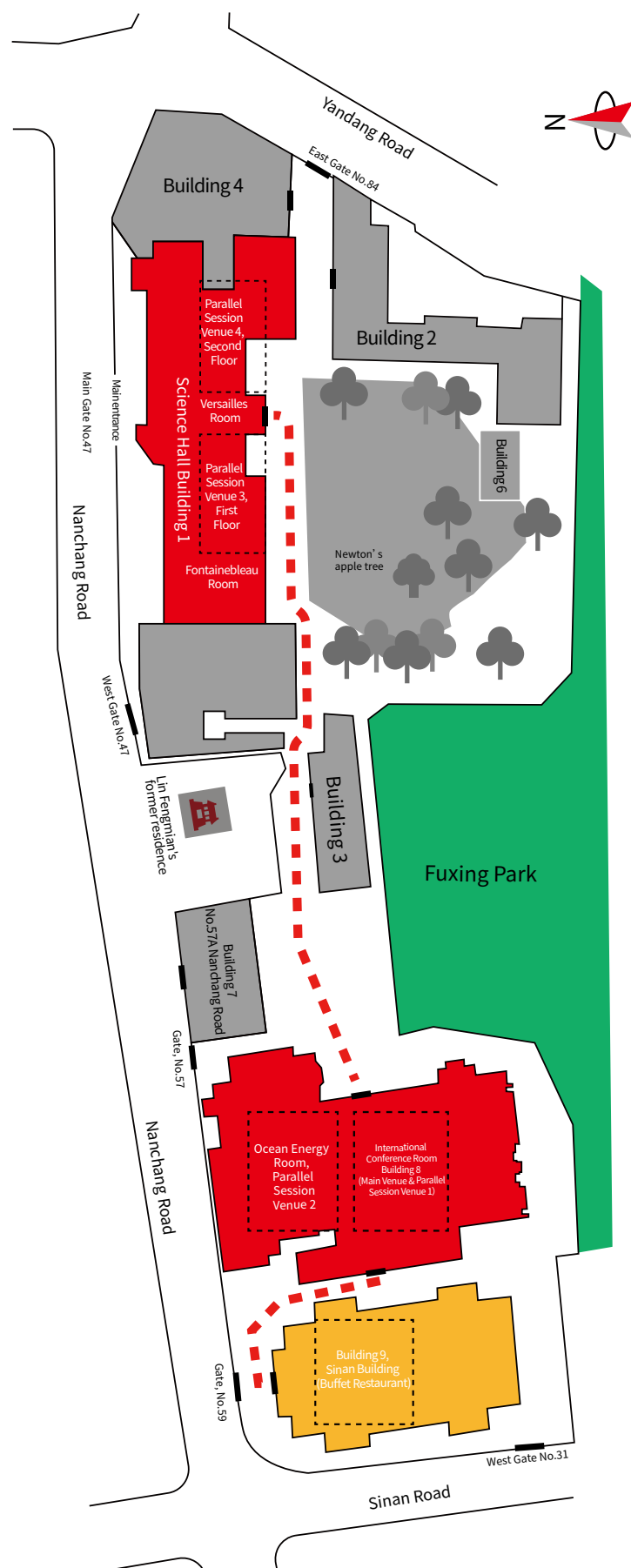


5th Floor Dining Hall (Capacity: 200 persons)



17th Floor Dining Hall (Capacity: 80 persons)

Venue Layout



ATHIC 2026 CONFERENCE AGENDA



Scan for updates

❖ Please scan the QR code for the latest session times and venues (All times are in China UTC+8).

❖ In case of any discrepancy, the timetable on the conference website takes precedence.

Thursday, November 5 (International Conference Room, 1st Floor, Shanghai Science Hall)

13:30—20:30

Onsite Registration

Friday, November 6 (International Conference Room, 1st Floor, Shanghai Science Hall)

Chair: Zuo-Tang Liang

08:50—09:00

Welcome Address: Yu-Gang Ma (Fudan/ECNU)

Chair: Zuo-Tang Liang

Time	Speaker	Affiliation	Title
09:00—09:25	Ashish Pandav	Kent State University	Experimental Overview of QCD Phase Diagram under Extreme Conditions
09:25—09:50	Toshihiro Nonaka	Central China Normal University	Toward Precision Fluctuation Measurement in Heavy-Ion Collisions
09:50—10:15	Noriyuki Sogabe	Osaka University	Searching for the QCD Critical Point in Hydro-Evolution
10:15—11:10	Group Photo & Coffee Break		
Chair: Xin-Nian Wang			
11:10—11:35	Maowu Nie	Shandong University	Experimental Overview of Jet Physics in Heavy-Ion Collisions
11:35—12:00	Zhong Yang	Vanderbilt University	Jet quenching and jet-induced medium response
12:00—14:00	Lunch (Buffet)		

Chair: Kenji Fukushima			
14:00—14:25	Bong-Hwi Lim	University of Tokyo	Experimental Probes of Thermalization and Hadronization in Heavy-Ion Collisions
14:25—14:50	Soohwan Lee	Korea University	Understanding quarkonia production in pPb and OO with CMS
14:50—15:15	Saumen Datta	Tata Institute of Fundamental Research	Heavy quark systems in QGP: recent lattice results
15:15—15:40	Alexander Rothkopf	Korea University	Realizing the discovery potential of heavy quarkonia in HICs
15:40—16:10	Coffee Break		
Chair: Sangyong Jeon			
16:10—16:35	Nilmani Mathur (online)	Tata Institute of Fundamental Research	Hadronic Interactions and Exotic States
16:35—17:00	Rishi Sharma (online)	Tata Institute of Fundamental Research	Recent developments in EFT in matter
17:00—17:25	Haibin Wu	East China Normal University	Harmonic Flow in a Strongly Interacting Fluid
17:25—17:50	Welyao Ke	Central China Normal University	Constraining medium properties from jets and substructures
Saturday, November 7 (International Conference Room, 1st Floor, Shanghai Science Hall)			
Chair: In-Kwon Yoo			
Time	Speaker	Affiliation	Title
09:00—09:25	Nu Xu	Institute of Modern Physics	The development of Hyperon–Nucleon Spectrometer at HIAF and future EicC
09:25—09:50	Chunjian Zhang	Fudan University	Imaging nuclear structure in high-energy nuclear collisions: from heavy to light ions
09:50—10:15	Satomi Nakasuga	RIKEN	Recent Results on ϕ –Meson Production in pA Reactions at J–PARC E16
10:15—10:45	Coffee Break		
Chair: Shinichi Esumi			
10:45—11:10	Longgang Pang	Central China Normal University	Machine learning for Heavy-ion Collisions
11:10—11:35	Shin-ei Fujii	Sophia University/ Zhejiang University	Exploring High-Energy Nuclear Collisions with Hydro-based Event Generators
11:35—12:00	Xin-Li Sheng	Fudan University/ Goethe University Frankfurt	Theoretical progress on vector meson spin alignment in heavy-ion collisions
12:00—14:00	Lunch (Buffet)		

Chair: Pengfei Zhuang			
14:00–14:25	Prattay Das (online)	CERN	Probing Vorticity and Strong Fields through Hadron Spin in Heavy-Ion Collisions
14:25–14:50	Ren Ejima	Tokyo University	Probing the Nucleon D-term with Quarkonium–Nucleon Femtoscopy.
14:50–18:00	Poster Session (Foyer outside the International Conference Room, 1st Floor)		
18:00–20:30	Banquet (International Conference Room, 1st Floor)		

Sunday, November 8 · Parallel Sessions			
Parallel Session 1			
International Conference Room 1st Floor · Building 8			
09:00—10:18	Session I	Collective dynamics	Chair: Dongho Moon
Time	Speaker	Affiliation	Title
09:00—09:13	Jie Zhao	Fudan University	The non-linear response coefficient $\chi_{4,22}$ in Au+Au and U+U collisions
09:13—09:26	Shuai Wang	Fudan University	Rotation catalyzed chiral magnetovortical instability
09:26—09:39	Ruwen Schulz	Institute for Physics, Heidelberg, Germany	Universality and Attractors of Heavy Quark Transport in Lead-Lead (Pb-Pb) Collisions.
09:39—09:52	Priya	Indian Institute of Science Education and Research	Understanding Baryon Stopping and Baryon Diffusion from Baryon-AntiBaryon Elliptic Flow Splitting
09:52—10:05	Liang Zheng	China University of Geosciences	Longitudinal Decorrelations in Proton-Proton Collisions from AMPT with Sub-Nucleon Spatial Fluctuations
10:05—10:18	Xiyao Guo	Shaanxi Normal University	Deciphering the universal scaling of particle transverse momentum spectra in heavy-ion collisions
Coffee Break · 10:18—10:48			
10:48—12:00	Session II	Collective dynamics	Chair: Zhenyu Chen
Time	Speaker	Affiliation	Title
10:48—11:01	Hongxi Xing	South China Normal University	Unraveling the neutron skin thickness through jet charge in deep inelastic scattering
11:01—11:14	Guoping Wang	Central China Normal University	Collective Flow of Strange and Multistrange Hadrons with STAR
11:14—11:27	Hadi Mehrabpour	Fudan University	Beyond Quadrupole Deformation: Resolving Multipolarity and Diffuseness Degeneracies in Relativistic Heavy-Ion Collisions
11:27—11:40	Abhisek Saha	Peking University	Disentangling the neutron skin of ^{48}Ca from nuclear radius effects through $^{48}\text{Ca}+^{48}\text{Ca}$ and $^{48}\text{Ti}+^{48}\text{Ti}$ flow observables
11:40—11:53	Prabhupada Dixit	Fudan University	Measurement of triangular flow of identified hadrons in Au+Au collisions from the RHIC Beam Energy Scan program with STAR
Lunch Buffet · 12:00—14:00			

14:00—15:31	Session III	QGP in small systems	Chair: Guangyou Qin
Time	Speaker	Affiliation	Title
14:00—14:13	Fei Gao	Beijing Institute of Technology	From Magnetic to Inverse Magnetic Catalysis: The Interplay of Quark and Gluon Mass Generation in Magnetic Fields
14:13—14:26	Zhengchen Lian	Tsinghua University	Collective flow and nuclear geometry in collider and fixed-target collisions at LHCb
14:26—14:39	Yiyang Peng	Peking University	Exploring the fluid behavior in small systems with viscous anisotropic hydrodynamics
14:39—14:52	Zhiyong Lu	China Institute of Atomic Energy	Evidence of nuclear geometry-driven flow in light-ion collisions at the LHC
14:52—15:05	Jinyu Hu	University of Science and Technology of China	Probing the tetrahedral clusters in relativistic $^{16}\text{O} + ^{16}\text{O}$ collisions
15:05—15:18	Chenxi Liang	Fudan university	Resolving Ultracentral Flow with Quantum Entanglement-Driven Initial Conditions
15:18—15:31	Xiongxiang Xu	Tsinghua University	Investigating system size dependence of strange hadron production at 200 GeV at STAR
Coffee Break · 15:31—16:01			
16:01—18:11	Session IV	Initial state and thermalization	Chair: Hongxi Xing
Time	Speaker	Affiliation	Title
16:01—16:14	Jiangyong Jia	Stony Brook University	Three-dimensional imaging of the QGP with nuclear shape
16:14—16:27	Haojie Xu	Huzhou Normal University	Resolution-matched nuclear geometry and the nucleon-size ambiguity in relativistic heavy-ion collisions
16:27—16:40	Yuanyuan Zhang	Southwest Jiaotong University	Dijet Production in Intermediate x at EIC
16:40—16:53	Hidefumi Matsuda	Zhejiang University	Color Randomization of Quarkonium State in the Glasma
16:53—17:06	Shujun Zhao	Sophia University	Forward Hadron Production in p+p, p+Pb and d+Au Collisions within the CGC-Based Monte Carlo Model
17:06—17:19	Qi Wang	Central China Normal University	Addressing the Ultra-Central Puzzle with Initial-State Nuclear Structures
17:19—17:32	Kaiyang Wang	University of Science and Technology of China	Photon-Induced J/ψ Azimuthal Correlations in Heavy-Ion Collisions at STAR
17:32—17:45	Junlee Kim	Fudan University	Recent ALICE Results on Polarization and Spin Alignment in Nuclear Collisions
17:45—17:58	Youpeng Su	Central China Normal University	Study of spin correlations for Λ hyperon pairs in pp collisions at $\sqrt{s_{\text{NN}}} = 13.6$ TeV using LHC Run 3 data with ALICE
17:58—18:11	Tae-Geun Kim	Fudan university	Interaction Geometry and Hidden Bias in Learning Lattice Spin Systems

Parallel Session 2			
Ocean Energy Room 1st Floor · Building 8			
09:00–10:18	Session I	QCD phase diagram	Chair: Kenta Shigaki
Time	Speaker	Affiliation	Title
09:00–09:13	Sheng-Qin Feng	Three Gorges University	Spin Alignment and Phase Transition of QGP in the Presence of Magnetic and Vorticity Fields
09:13–09:26	Gaoqing Cao	Sun Yat-sen University	Charged pseudoscalar mesons in a strong magnetic field under the Weinberg model
09:26–09:39	Hao-Lei Chen	Shanghai University	Thermodynamics and Polyakov-loop Potential of Accelerated Gluonic Matter
09:39–09:52	Hui Liu	Huzhou Normal University	Probing (Hyper)Nuclei Wave Functions and Production Mechanisms in $\sqrt{s_{NN}} = 200$ GeV Isobar Collisions at RHIC
09:52–10:05	Rui Wen	Yantai University	Analytical structure of the Polyakov-loop extended Quark-Meson model
10:05–10:18	Yixuan Jin	Central China Normal University	Production of light nuclei in Au+Au collisions with the STAR BES-II program
Coffee Break · 10:18–10:48			
10:48–12:00	Session II	Correlations and fluctuations	Chair: Yapeng Zhang
Time	Speaker	Affiliation	Title
10:48–11:01	Yong-Liang Ma	Nanjing University	Thermodynamic signatures do not uniquely identify deconfinement in neutron stars
11:01–11:14	Yige Huang	Institute of Modern Physics	A Bayesian Machine Learning Approach to Centrality Determination in Heavy-Ion Collisions
11:14–11:27	Kyeongho Lee	Jeonbuk National University	Investigating jet quenching with jet-like dihadron correlations in light-ion systems (pO, OO, Ne-Ne) at ALICE
11:27–11:40	Somdeep Dey	University of Hyderabad	Probing signals of the Chiral Magnetic Effect from the 2+1 PNJL model
11:40–11:53	Debasish Mallick	Central China Normal University	Probing Baryon-rich QCD Matter with Deuteron Cumulants and Proton-deuteron Mixed Cumulants in Au+Au Collisions at STAR
Lunch Buffet · 12:00–14:00			

14:00–15:31	Session III	Correlations and fluctuations	Chair: Xiaofeng Luo
Time	Speaker	Affiliation	Title
14:00–14:13	Dong Ho Moon	Chonnam National University	Summary of Femtosopic Correlation Studies in CMS
14:13–14:26	Koichi Hattori	Zhejiang University	Numerical simulations for relativistic spin hydrodynamics with physics-informed neural networks
14:26–14:39	Yiming Xu	Fudan University	Probing the system-size dependence of radial flow fluctuations in Au+Au and O+O collisions at RHIC
14:39–14:52	Yining Gao	Fudan University	High-order mean transverse momentum fluctuations in Au+Au collisions at STAR
14:52–15:05	Zheng Liu	Fudan University	Non-monotonicity of transverse momentum correlations in Au + Au collisions at RHIC
15:05–15:18	Zhaohui Wang	Central China Normal University	Measurement of (Net-)Proton Number Fluctuations in Au+Au Collisions from RHIC-STAR : A Centrality-independent Method
15:18–15:31	Gen-Hui Li	University of Science and Technology of China	Global polarization of Λ , Ξ , Ω , hyperons in Au+Au collisions at RHIC BES-II energies
Coffee Break · 15:31–16:01			
16:01–18:11	Session IV	Spin, vorticity and correlations	Chair: Xu-Guang Huang
Time	Speaker	Affiliation	Title
16:01–16:14	Hai-Tao Shu	Central China Normal University	Static Quark--Antiquark Interactions in Rotating SU(3) Gluodynamics
16:14–16:27	Wen-Bo Dong	University of Science and Technology of China	Vector-Meson Spin Alignment from Anisotropic Quark or Hadron Coalescence
16:27–16:40	Zhiyi Wang	Fudan University	Measurements of the Correlation between Elliptic Flow and Λ Hyperon Local Polarization in Isobar Collisions with STAR at RHIC
16:40–16:53	Junseok Lee	Korea University	Event-Shape Dependence of Prompt D^0 Meson Elliptic Flow in PbPb Collisions at 5.02 TeV with CMS
16:53–17:06	Yanqing Zhao	Hainan Normal University	Holographic spectral functions of exotic spin-1 mesons
17:06–17:19	Xueli Hua	South China Normal University	Spin-dependent azimuthal asymmetry of coherent J/ ψ photoproduction in peripheral PbPb collisions with CMS
17:19–17:32	Yuhao Liang	Sun Yat-Sen University	Anisotropic chromo-field fluctuations and spin alignment of quarkonia
17:32–17:45	Yuan Li	Fudan University	Generalized Bessel - Power Distribution for Eccentricity Fluctuations in Relativistic Heavy-Ion Collisions
17:45–17:58	Joseph Bahder	Central China Normal University	Collective Flow Modulated Radiation Effects on Jet Substructure in Monte Carlo Approach
17:58–18:11	Mengyang Li	Shanghai Jiao Tong University	Analysis of Nuclear Fragmentation Functions for Pions with A and v Dependence

Parallel Session 3			
Fontainebleau Room 1st Floor · Building 1			
09:00–10:18	Session I	Heavy quarks and quarkonia	Chair: Santosh Kumar Das
Time	Speaker	Affiliation	Title
09:00–09:13	Wenchao Zhang	Shaanxi Normal University	Inclusive Jpsi production and the Jpsi energy–correlator in high–energy pp collisions
09:13–09:26	Baoyi Chen	Tianjin University	Extracting In–Medium Heavy Quark Potentials via Quarkonia with Deep Learning
09:26–09:39	Wen–Jing Xing	University of South China	Nuclear modification of energy–energy correlators inside jets in heavy–ion collisions
09:39–09:52	Debarshi Dey	Shanghai Jiao Tong University	Non–perturbative heavy quark dynamics in a QGP with arbitrary magnetic field
09:52–10:05	YuJie Huang	China University of Geosciences	D^0 – D_s^+ Elliptic–Flow Splitting under Event–Shape Engineering: A Probe of Sequential Charm Hadronization
10:05–10:18	Zengzhi Li	South China Normal University	Measurement of J/ψ photoproduction in ultra–peripheral Ru+Ru and Zr+Zr collisions at 200 GeV with the STAR experiment
Coffee Break · 10:18–10:48			
10:48–12:00	Session II	Heavy quarks and hadronic interactions	Chair: Mei Huang
Time	Speaker	Affiliation	Title
10:48–11:01	Xiao–Ming Xu	Shanghai University	Production of $\psi(4040)$, $\psi(4160)$ and $\psi(4415)$ mesons in ultrarelativistic heavy–ion collisions
11:01–11:14	Kai–Jia Sun	Fudan University	(Anti–)(Hyper–)Nuclei in High–Energy Nuclear Collisions: Production, Structure, and Polarization
11:14–11:27	Shunsuke Kurita	Hiroshima University	Transverse–momentum–differential azimuthal correlation of heavy–flavor electron–muon pairs in pp collisions at $\sqrt{s_{NN}} = 13.6$ TeV with ALICE
11:27–11:40	Shuhan Zheng	Tsinghua University	Bottomonium production within the potential model in Schroedinger and Lindblad frameworks
11:40–11:53	Liang Zhang	Fudan University	Investigation of the $N\Omega$ dibaryon from lattice QCD at the physical point
Lunch Buffet · 12:00–14:00			

14:00–15:31	Session III	Hadronic interactions	Chair: Jinhui Chen
Time	Speaker	Affiliation	Title
14:00–14:13	Norihito Muramatsu	Institute of Modern Physics	HHaS project at HIAF
14:13–14:26	Yapeng Zhang	Institute of Modern Physics	Status of the CEE experiment at HIRFL–CSR
14:26–14:39	YuanJing Ji	University of Chinese Academy of Sciences	Collision Energy Dependence of Hypertriton Production in Au+Au Collisions at RHIC
14:39–14:52	Pranjal Barik	Indian Institute of Science Education and Research	Measurement of K^0 and K^{*+} in Au+Au Collisions at RHIC BES–II
14:52–15:05	Ke Mi	University of Chinese Academy of Sciences	Probing Three–Body Baryonic Interactions via Femtoscopy Approach at STAR
15:05–15:18	Xuan Wang	Central China Normal University	Spin Femtoscopy: A Framework for Revealing Genuine Spin Correlations
15:18–15:31	Qiang Wang	Central China Normal University	Investigation of $T_{\text{co}}^+(2870)^0$ in pp collisions at $\sqrt{s_{NN}} = 7$ TeV with the PACIAE model
Coffee Break · 15:31–16:01			
16:01–18:11	Session IV	Experimental techniques	Chair: Qiye Shou
Time	Speaker	Affiliation	Title
16:01–16:14	Tianhao Shao	Fudan University	Measurement of Λ –binding energies of light hypernuclei in Au+Au collisions at $\sqrt{s_{NN}} = 3$ GeV at RHIC
16:14–16:27	Takuya Kumaoka	University of Tokyo	Development of an Online Physics Event Identification Algorithm for Streaming Reconstruction in ePIC
16:27–16:40	Subhash Singha	Institute of Modern Physics	Exploring Nuclear Clustering and Deformation with Transverse–Momentum Observables at CEE/HIRFL–CSR and HIAF Energies
16:40–16:53	Saehanseul Oh	Sejong University	ALICE 3: Outer Tracker project from the Korea ALICE group
16:53–17:06	Yonghong Wang	Shandong University	Current Status and Feasibility Studies of the MPD Experiment at NICA
17:06–17:19	Naseem Bouchhar	Sejong University	The ALICE ITS3 Upgrade: A wafer–scale cylindrical MAPS tracker
17:19–17:32	Aiqiang Guo	Institute of Modern Physics	CEE experiment TPC tracking reconstruction
17:32–17:45	Geunyoung Yang	Sejong University	Beam Telescope Characterisation of babyMOSS for the ALICE ITS3 Upgrade
17:45–17:58	Kanato Matsutani	Hiroshima University	From AC–LGAD Time Resolution to PID Reach at the EIC: Test–Beam and TCT Laser Studies for the ePIC Barrel Time–of–Flight
17:58–18:11	Wonjun Jeong	Inha University	Detector upgrade status of Korea FAZIA group and performance evaluation from the RAON proton beam test

Parallel Session 4			
Versailles Room 2nd Floor · Building 1			
09:00—10:18	Session I	Jets and medium response	Chair: Ben-Wei Zhang
Time	Speaker	Affiliation	Title
09:00—09:13	Jeongmyung Kang	Sejong university	Semi-inclusive jet mass measurements in Zr+Zr and Ru+Ru collisions at $\sqrt{s_{NN}} = 200$ GeV with STAR
09:13—09:26	Xiang-Pan Duan	Central China Normal University	Jet quenching and its substructure dependence due to color decoherence
09:26—09:39	Yiyu Zhou	Institute of Modern Physics	Jet anisotropy in polarized scattering
09:39—09:52	Peng-Hui Hu	Central China Normal University	A resolution-based framework for coherent and decoherent jet quenching at next-to-leading order
09:52—10:05	Shanshan Cao	Shandong University	System- and Cone-Size Dependence of Dijet Quenching and Energy-Energy Correlators in Pb-Pb and O-O Collisions
10:05—10:18	Kaiyi Wu	Central China Normal University	Jet-Induced Medium Response in Heavy-Ion Collisions: From Flow-Distorted Wakes to Fast Generative Modeling
Coffee Break · 10:18—10:48			
10:48—12:00	Session II	Jets and medium response experimental techniques	Chair: Defu Hou
Time	Speaker	Affiliation	Title
10:48—11:01	Cong Yi	Central China Normal University	Jet quenching and medium response via hadron chemistry around jet with the CoLBT-Hydro model
11:01—11:14	Lejing Zhang	Shandong University	Jet-induced medium response and production of thermal recoil jets in relativistic heavy-ion collisions
11:14—11:27	Lei Yang	Shandong University	Exploring Transverse Spin Correlations and Gluon Linear Polarization
11:27—11:40	DiYu Shen	Institute of Modern Physics	A practical methodology for Λ global polarization extraction in fixed-target experiments
11:40—11:53	Hyunchul Kim	Chonnam National University	Report on the Korean Contribution to the Endcap Timing Layer for the CMS MIP Timing Detector
Lunch Buffet · 12:00—14:00			

14:00—15:31	Session III	Electromagnetic probes	Chair: Qun Wang
Time	Speaker	Affiliation	Title
14:00—14:13	Masahiro Oida	Hiroshima University	Low- p_T ω and ϕ signals at forward rapidity with improved dimuon mass resolution in pp collisions with ALICE
14:13—14:26	Adrian Nassirpour	Sejong University	A Novel Statistical Approach To Measure Prompt Photon Production in pp collisions at $\sqrt{s_{NN}} = 200$ GeV and 5.02 TeV
14:26—14:39	Xianwen Bao	Shandong University	Direct Photon Yield and Thermal Dielectron Flow in Isobar Collisions at STAR
14:39—14:52	Shou Nakajima	Sophia University	Evaluation of the neutron skin thickness via forward photon production in high-energy Pb+p collisions
14:52—15:05	Pingal Dasgupta	Institut de Física d'Altes Energies (IFAE) Barcelona	Direct photon anisotropic flow as a probe of alpha clustered structure in 7A TeV $^{16}\text{O}+^{16}\text{O}$ collisions at the LHC
15:05—15:18	Junqi Tao	Central China Normal University	Deep learning approach for predicting multiple observables in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider
15:18—15:31	Jie Zhou	Shanghai Jiaotong University	Kinetic theory of spin 1/2 particles within Constrained Hamiltonian formalism
Coffee Break · 15:31—16:01			
16:01—18:11	Session IV	New theoretical developments	Chair: Lei-Wen Chen
Time	Speaker	Affiliation	Title
16:01—16:14	ShuZhe Shi	Tsinghua University	Onset of hydrodynamics in a strongly coupled system based on quantum many-body calculation
16:14—16:27	Zhibin Li	Zhengzhou University	Non-perturbative Dynamics of Holographic QCD under Extreme Conditions
16:27—16:40	Wenyang Qian	Central China Normal University	Quantum simulation of particle production and equilibration from classical fields
16:40—16:53	Hui Zhang	South China Normal University	Probing the Neutron Skin with Extreme Collision Geometries in Heavy-Ion Collisions
16:53—17:06	Tianyin Li	RIKEN, iTHEMS	Efficient Quantum Simulation of Quantum Chromodynamics
17:06—17:19	Jayanta Dey	BLTP JINR, Russia	Gluodynamics in accelerated frames using first-principles lattice simulations
17:19—17:32	Jiarong Wang	University of Science and Technology of China	Is the shear induced spin polarization non-dissipative?
17:32—17:45	Guowei Yan	Sun Yatsen University	Spin Entanglement in QCD: from Non-Equilibrium Scattering and Topological Fluctuations
17:45—17:58	Xingjian Lu	Tsinghua University	Parton Pair Correlations in Direct-Photon Yield and Elliptic Flow
17:58—18:11	Zhaolu Ouyang	Anhui University of Science and Technology	Drell-Yan process under an external magnetic field with full Landau levels

Monday, November 9 (International Conference Room, 1st Floor, Shanghai Science Hall)

Chair: Daicui Zhou

Time	Speaker	Affiliation	Title
09:00—09:25	Minjung Kweon	Inha University	ALICE 3: Status and Prospects
09:25—09:50	Yudai Ichikawa	Tohoku University	The J-PARC-HI Project and Potential Hadron Physics with This and Related Projects
09:50—10:15	Kyungil Kim	Institute for Rare Isotope Science / Institute for Basic Science	Status of RAON
10:15—10:40	Jiancheng Yang	Institute of Modern Physics	High Intensity heavy-ion Accelerator Facility in China
10:40—11:00	Coffee Break		
Chair: Enke Wang			
11:00—11:40	Awards & Flash talks		
11:40—12:00	Closing Ceremony		
12:00—14:00	Lunch (Buffet)		

Note:

(1) Plenary talks: 20 minutes for presentation + 5 minutes for discussion.

Parallel talks: 10 minutes for presentation + 3 minutes for discussion.

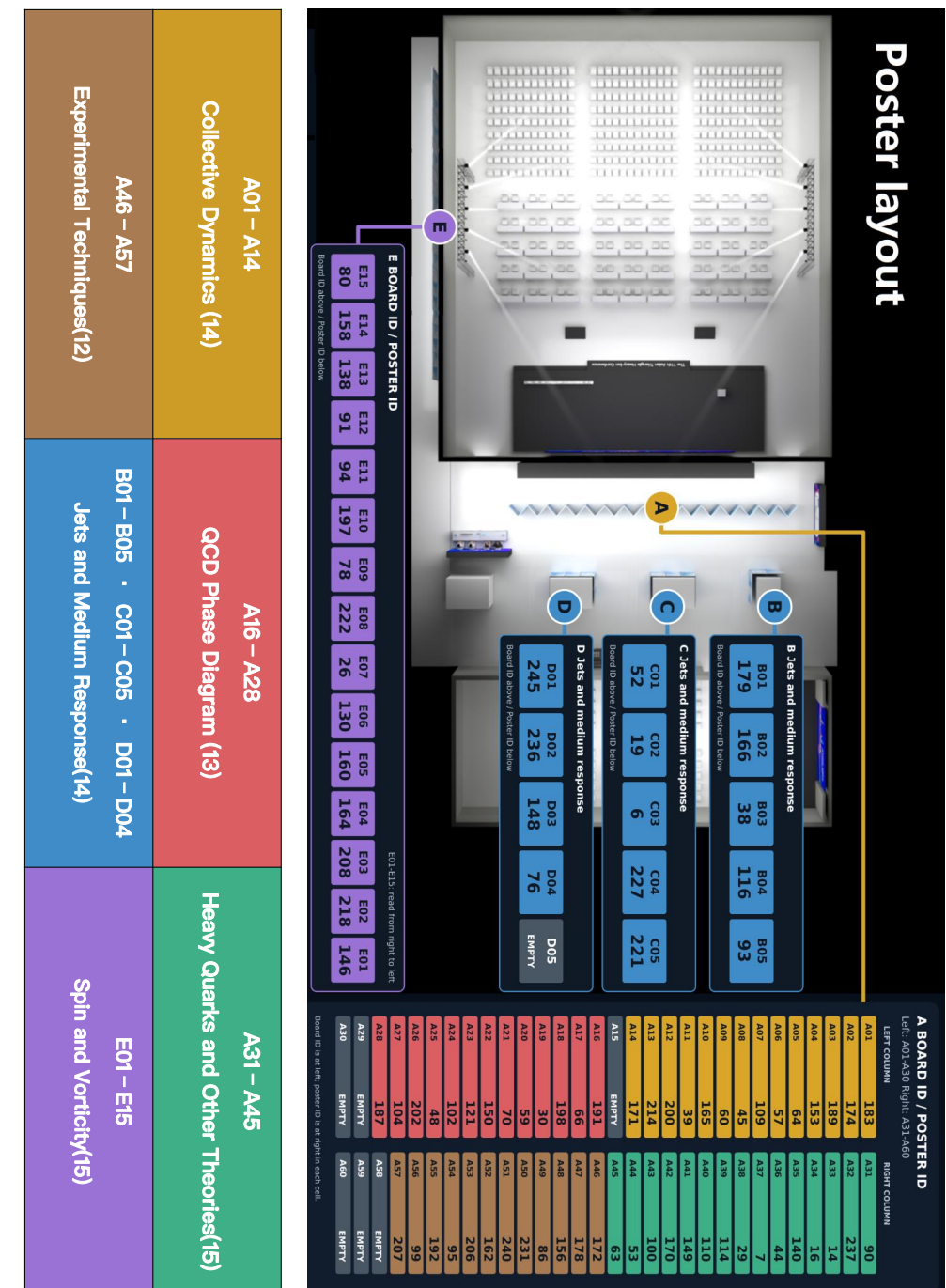
(2) Flash talks: 5 minutes (no Q&A). Presenters are encouraged to prepare 2–3 slides highlighting the key points of their research. Outstanding poster presenters will be notified of the detailed arrangements via the email address provided on their posters.

ATHIC 2026 POSTER SCHEDULE

Saturday, November 7 · 14:50–18:00 ·

Foyer outside the International Conference Room, 1st Floor

Poster 90 cm (W) x 120 cm (H), No onsite printing service



A · A01—A14 · Collective Dynamics

Board ID	Poster ID	Speaker	Title
A01	183	Chunjian Zhang	Higher-order $[p_T]$ fluctuations as a probe of nuclear deformation in U+U and Au+Au collisions at STAR
A02	174	Prabhupada Dixit	Measurement of radial flow fluctuations in the high baryon density region of QCD phase diagram
A03	189	Junlin Wu	Production of Unstable Light Nuclei in Au+Au Collisions at $\sqrt{s_{NN}} = 3$ GeV with the STAR Detector
A04	153	Guangyu Zheng	Probing ϕ meson Production in the High Baryon Density Region with Yield Ratios and Directed Flow
A05	64	Shin-ei Fujii	Baryon number fluctuations in (1+1)-dimensional expanding fluids
A06	57	Xiang Ren	Nonlinear response of flow harmonics in Gubser flow with participant-reaction planes mismatch
A07	109	Lin-Jian Li	Probing event-by-event electromagnetic field fluctuations via charge-dependent flow fluctuations in heavy-ion collisions
A08	45	Aswini Kumar Sahoo	Charged-to-neutral kaon production as a probe of isospin dynamics in Ru+Ru, Zr+Zr, and O+O collisions at RHIC
A09	60	Yili Wang	Probing Hydrodynamic Applicability and Partonic Collectivity in O+O and Ne+Ne Collisions
A10	165	Naoya Ito	Dynamical core-corona initialization in high-energy O+O and Ne+Ne collisions
A11	39	Zhu Meng	Study the Longitudinal Entropy Deposition using d+Au Collision
A12	200	Shujun Zhao	Linearized dynamics of viscous anisotropic hydrodynamics in the early-stage QGP
A13	214	Jian Deng	Oriental Averaging in Nuclear Shape Imaging: Densities, Correlations, and Eccentricity in ^{20}Ne
A14	171	Yanru Bao	Impact of Quantum Nuclear Configurations on Final-State Observables

A · A16—A28 · QCD Phase Diagram

Board ID	Poster ID	Speaker	Title
A16	191	Zhibin Zhu	Chiral Symmetry Breaking in Accelerating and Rotating Frames
A17	66	Puyuan Bai	Absence of charged pion condensation in a magnetic field with parallel rotation
A18	198	Lijia Jiang	Critical fluctuation patterns and anisotropic correlations in a non-uniform temperature background
A19	30	Yidian Chen	High-Order Fluctuations of Temperature in Hot QCD Matter from Multi-Charge Holography
A20	59	Liqiang Zhu	Bayesian Inference of the Critical Endpoint in 2+1-Flavor System from Holographic QCD
A21	70	Qianru Lin	Hadronic rescattering effects on net-proton cumulants from functional renormalization group calculations
A22	150	Wenyan Bo	Measurements of near-threshold strange hadron production in Au+Au collisions from STAR
A23	121	Zigeng Ding	Determining NJL Coupling Constants, Anomalous Magnetic Moments, and Meson Masses in Magnetized QCD Matter via Machine Learning
A24	102	Chenlu Hu	Measurements of $A = 4$ hypernuclei production in $\sqrt{s_{NN}} = 3.0, 3.2, 3.5$ and 3.9 GeV Au+Au collisions from STAR
A25	48	Yu-Shan Mu	Extracting the QCD speed of sound in the presence of quantum fluctuations
A26	202	Zheng Liu	Extracting the Speed of Sound in Au+Au Collisions across the RHIC Beam Energy Scan
A27	104	Yaqi Liu	Investigating mean- p_T fluctuations across BES energies with JAM microscopic transport model
A28	187	Shuochong Han	Microscopic In-medium Nucleon-Nucleon Cross Sections and The Impacts on Heavy-Ion Collisions

A · A31—A45 · Heavy Quarks and Other Theories			
Board ID	Poster ID	Speaker	Title
A31	90	Jianyao He	Centrality Dependence of Parton Energy Loss in Quark–Gluon Plasma from a Bayesian Analysis
A32	237	Jai Prakash	Non–Markovian Heavy Quark Dynamics in the Quark Gluon Plasma
A33	14	Zhishun Chen	Deformed moving quarkonium in a Quark–Gluon–Plasma
A34	16	Sudeep Saha	Heavy flavour production in the presence of a weak magnetic field
A35	140	Qian Zeng	Azimuthal Angle Correlations of Muons Produced via Heavy–Flavor Decays in 5.02 TeV Pb+Pb and pp Collisions
A36	44	Xinyue Hu	Resolving the CP Asymmetry Puzzle in B Decays with Unitarized Final–State Interactions
A37	7	Wei Zhang	Exploring System–Size and Energy Dependence of J/ψ production with the STAR experiment
A38	29	Zhibo Liu	Spin–resolved open–charm dynamics and compact components of hidden–charm Pc structures
A39	114	Yixuan Wang	A new insight into the dynamics of the doubly charmed tetraquark in heavy–ion collisions.
A40	110	Boyang Fu	Femtoscopy of Strange Baryons in Heavy–ion Collisions at RHIC–STAR
A41	149	Jianan Lu	Evaluating Generative Models for Strongly Correlated Point Cloud in Nucleus
A42	170	Xiaofeng Wang	Production and observation of muonic kaon atoms at high–energy colliders
A43	100	Shuo Lin	Azimuthal Asymmetries in Dipion Production in Ultraperipheral Collisions
A44	53	Huda Nasrulloh	Neutron–Tagged Coulomb Dissociation in Ultra–Peripheral Ru+Ru and Zr+Zr Collisions
A45	63	Dairui Zou	Hadronic tensor in lattice gauge theories by quantum computing

A · A46—A57 · Experimental Techniques			
Board ID	Poster ID	Speaker	Title
A46	172	Zihe Su	Research and development of CEE–TPC
A47	178	Zhaolin Chen	Progress of the CEE–MWDC System
A48	156	Zhi–Hui Xu	Detector Alignment and Track Matching for the CEE Experiment
A49	86	Yeonwoo Park	Λ reconstruction with the Zero Degree Calorimeter for the ePIC experiment at the Electron–Ion Collider
A50	231	Airi Okuno	Evaluation of long Flexible Printed Circuits for the Barrel Time–of–Flight Detector in the ePIC Experiment
A51	240	Taichi Egami	Characterisation and radiation tolerance of MOSAIX, the wafer–scale MAPS for the ALICE ITS3 upgrade
A52	162	Takushi Omura	Extraction of the One–Dimensional Particle Source Distribution Relative to the Reaction Plane in Non–Central Pb–Pb Collisions at $\sqrt{s_{NN}} = 5.36$ TeV with ALICE
A53	206	Takumi Furuya	Feasibility study for the measurement of higher–order baryon–strangeness correlations in heavy–ion collisions
A54	95	Zhong Zhu	First Observation and Studies of Exclusive φ Photoproduction in Ultraperipheral Collisions with the CMS Experiment
A55	192	Yiming Xu	Exploring spectator neutrons as a probe of the initial nuclear momentum distribution in relativistic heavy–ion collisions
A56	99	Seokhwan Shin	Model dependence of the Relative Transverse activity classifier in pp collision.
A57	207	Yongjun Choi	An Experimental Feasibility Study of Multi–Particle Scattering

B—D · B01—B05 · C01—C05 · D01—D04 · Jets and Medium Response			
Board ID	Poster ID	Speaker	Title
B01	179	Yi-Lun Du	Applications of Machine Learning to Jet Quenching
B02	166	Qian Zeng	Probing Jet Substructure in Heavy-Ion Collisions with SoftDrop Grooming
B03	38	Jianyu Gao	A Partonic Framework for Multihadron Fragmentation and Dihadron Fragmenting Jet Functions
B04	116	Wen-Hao Yao	Probing Polarized Jet Quenching with Weak-Boson-Tagged Lambda Polarization
B05	93	Lin Li	Energy-Energy Correlators as Probes of the Vacuum-to-Medium Transition in Jet Evolution
C01	52	Cheng Xu	Energy Correlators of Inclusive Jets in Oxygen-Oxygen Collisions across Energy Scales
C02	19	Hao Wang	Jet Quenching and Multi-Point Energy Correlators in γ -Jet Production in High-Energy Heavy-Ion Collisions
C03	6	Ankit Kumar Panda	Dilepton Spectra and Even Flow Harmonics in a Magnetized QGP: An Ideal Hydrodynamic Study
C04	227	Yue Zhang	Photon radiation induced by rescattering in a strong-interacting medium with a magnetic field
C05	221	Sumit	Electrical Conductivity of QGP with nonperturbative gluon dynamics in AMY Formalism
D01	245	Bayu Adi Nugraha Putra	Analysis Status for Quarkonium Production Inside Jets at CMS
D02	236	Daria Prokhorova	Heavy-flavor jet quenching in pre-equilibrium medium
D03	148	Changle Sun	From Central to Peripheral: A Unified Description of Charged Hadron RAA Incorporating Geometric Bias and Jet-QGP Interactions
D04	76	Meijian Li	Real-time jet simulation in dense QCD matter: from light-front Hamiltonian to quantum simulation

E · E01—E15 · Spin and Vorticity			
Board ID	Poster ID	Speaker	Title
E01	146	Chen Yidian	Recent polarization results from CMS
E02	218	Like Liu	Measurement of Λ Transverse Polarization in Au+Au Collisions at RHIC
E03	208	Noritaka Oril	Transverse and global polarization in $\sqrt{s_{NN}} = 3.9$ GeV Au+Au collisions at RHIC-STAR experiment
E04	164	Taoya Gao	Measurement of transverse polarization of Λ and $\bar{\Lambda}$ inside jets in p+p and p+Au collisions at RHIC
E05	160	Zongyang Lu	Investigation of Cold Nuclear Matter Effects on the Sivvers Asymmetry through Dijet Production in Polarized pp and pAu Collisions at STAR
E06	130	Cong Yi	Global polarization of Λ hyperons and its sensitivity to equations of state in low-energy heavy-ion collisions
E07	26	Yi-Liang Yin	The spin polarization of Lambda hyperon from nucleon-nucleon scattering in low-energy collision
E08	222	Pushpa Panday	Second-order relativistic dissipative spin hydrodynamics from kinetic theory
E09	78	Gen-Hui Li	Late-time attractors in relativistic spin hydrodynamics in Gubser flow
E10	197	Sejal Singh	Thermal fluctuations in dissipative spin hydrodynamics for a boost invariant system
E11	94	Zilin Yuan	Probing Chiral-Imbalance Fluctuations with $\Lambda\bar{\Lambda}$ Spin Correlations
E12	91	Ziyi Liu	Optimal observables for the chiral magnetic effect from machine learning
E13	138	Xuan Zhao	Retarded Correlators of Charge Transport in a Magnetic Field
E14	158	Zhe Fang	Kinetic Angular momentum of rotating Dirac fermions under a magnetic field
E15	80	Di Zhang	Probing Quantum Numbers and Decay Branching Ratios of Exotic States via Entanglement-Enabled Spin Interference



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