




FB23

THE 23rd INTERNATIONAL CONFERENCE ON
FEW-BODY PROBLEMS IN PHYSICS (FB23)
Sept. 22 -27, 2024 • Beijing, China

Host Institute of High Energy Physics, Chinese Academy of Sciences Institute for Advanced Study, Tsinghua University University of Chinese Academy of Sciences
China Center of Advanced Science and Technology Institute of Theoretical Physics, Chinese Academy of Sciences South China Normal University
Co-host Chinese Physical Society (CPS) High Energy Physics Branch of CPS

HANDBOOK

Sept. 22 -27, 2024
Beijing • China



Host

Institute of High Energy Physics, Chinese Academy of Sciences

Institute for Advanced Study, Tsinghua University

University of Chinese Academy of Sciences

China Center of Advanced Science and Technology

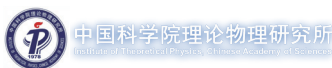
Institute of Theoretical Physics, Chinese Academy of Sciences

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***WELCOME** MESSAGE*



Welcome Message

Welcome to the 23rd International Conference on Few-Body Problems in Physics (FB23) that will be held in Beijing, China on September 22-27, 2024.

This is the 23rd edition in the conference series which began in 1959 in London and was most recently held in Caen (2018) and Chicago (2015). The FB23 was originally scheduled in 2021 which was postponed due to the pandemic.

FB23 will also be the venue for the presentation of the Faddeev Medal, which has recently been established jointly by the European (ERCFBP) and American (GFB) few-body communities. The 2024 edition of the award will include a formal announcement of the winner of the medal and a presentation by the winner at a dedicated session.

Following the tradition the FB23 will cover a broad range of topics - in both theory and experiment - with the aim of bringing together diverse communities to generate and share brilliant ideas in few-body physics.

The subjects to be covered will include:

Topics	Conveners
1. Few-body aspects of atomic and molecular physics	Xiao-Lin Cui, Ren Zhang, Matteo Zaccanti, Da-Jun Wang
2. Hadrons and related high-energy physics	Zhen-Wei Yang, Feng-Kun Guo, Man-Qi Ruan, Marco Pappagallo, Allesandro Pilloni, Raul Briceno
3. Neutrinos and their interactions with matter	Shao-Feng Ge, Yu-Feng Li, Costas Andreopoulos, Yoshinari Hayato
4. Strange and exotic matter, including hypernuclear physics	Jin-Hui Chen, Jin-Niu Hu, Xian-Rong Zhou, Kouichi Hagino, Hans-Josef Schulze, Josef Pochodzalla
5. Few-nucleon systems, including QCD inspired approaches	Li-Sheng Geng, Qian Wang, Jia-Jun Wu, Emiko Hiyama, Ross Young, Andreas Nogga
6. Few-body aspects of nuclear physics and nuclear astrophysics	Bing-Wei Long, Chen Ji, Chang Xu, Hans-Werner Hammer, Toshitaka Kajino, Rituparna Kanungo
7. Interdisciplinary aspects of few-body physics and techniques	Peng Zhang, Zhen-Hua Yu, Jesper Levinsen, Wen-Chao Xu

As the conference is supported in part by the IUPAP, FB23 will be conducted in accordance with IUPAP principles. In particular, no bona fide scientists will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to sciences.

COMMITTEE MEMBERS



International Advisory Committee

Name	Affiliation
Alexandrou, Constantia	University of Cyprus
Barnea, Nir	Hebrew University of Jerusalem
Beane, Silas R.	University of Washington
Blume, Doerte	Washington State University
Carlson, Joe	Los Alamos National Laboratory
Cote, Robin	University of Connecticut
Deltuva, Arnoldas	Vilnius University
Descouvemont, Pierre	Université Libre de Bruxelles
Eny-yo, Yoshiko	Kyoto University
Fedorov, Dimitri	Aarhus Universitet
Flambaum, Victor	University of New South Wales
Forssen, Christian	Chalmers University of Technology
Frederico, Tobias	Instituto Tecnológico de Aeronautica
Garrido, Eduardo	Consejo Superior de investigaciones científicas
Guimaraes, Valdir	University of São Paulo
Hammer, Hans-Werner	Technische Universität Darmstadt
Hiyama, Emiko	Tohoku University
Hjorth-Jensen, Morten	University of Oslo
HU, Jiang-Ping	Institute of Physics, Chinese Academy of Sciences
Kadyrov, Alisher	Curtin University
Kalantar, Nasser	University of Groningen
Kim, Youngman	Institute for Basic Science
Kolganova, Elena	Joint Institute for Nuclear Research
Krein, Gastao	São Paulo State University
Lekala, Mantile L.	University of South Africa
MA, Yu-Gang	Fudan University
Mart, Terry	Universitas Indonesia
McGovern, Judith	The University of Manchester
Meissner, Ulf-G.	Universität Bonn
Navratil, Petr	TRIUMF
Nazarewicz, Witek	Michigan State University
Orlandini, Giuseppina	Università degli studi di Trento
Orr, Nigel	Laboratoire de Physique Corpusculaire
Pena, Teresa	Instituto Superior Tecnico
Phillips, Daniel	University of California
Plessas, Willibald	University of Graz
Reimann, Stephanie	Lund University
Roberts, Craig	Nanjing University
Rosina, Mitja	Jozef Stefan Institute
Sagara, Kenshi	Kyushu University
Sakai, Hideyuki	RIKEN
Salme, Gianni	Istituto Nazionale di Fisica Nucleare
Schmelcher, Peter	Universität Hamburg

Sekiguchi, Kimiko	Tohoku University
Shevchenko, Nina	The Academy of Sciences of the Czech Republic
Shirokov, Andrey	M.V. Lomonosov Moscow State University
Timmermans, R.G.E	University of Groningen
Timofeyuk, Natacha K.	University of Surrey
Valcarce, Alfredo	Universidad de Salamanca
WANG, Yi-Fang	Institute of High Energy Physics, Chinese Academy of Sciences
Witala, Henryk	Jagiellonian University
Yakovlev, S.L.	Saint Petersburg State University
ZOU, Bing-Song	Institute of Theoretical Physics, Chinese Academy of Sciences

Local Organizing Committee

Name	Affiliation	Note
Qiang ZHAO	IHEP	Chair
Hui ZHAI	THU	Co-Chair
Mei HUANG	UCAS	
Hao ZHANG	IHEP	Program Coordinator
Shun ZHOU	IHEP	
Wen-Shuai WANG	IHEP	Network Service
Li CHEN	IHEP	Conference Secretary
Wen QIU	IHEP	
Qian JIANG	IHEP	
Jing-Jing ZHANG	IHEP	
Yi-Chun LIU	IHEP	

Please feel free to contact the local organizing team at fb23@ihep.ac.cn if you have any concerns regarding the conference or need assistance.

SCIENTIFIC PROGRAM



PROGRAM AT A GLANCE

Time	Sunday, Sep. 22, 2024	Monday, Sep. 23, 2024	Tuesday, Sep. 24, 2024
08:00		Registration 08:00-12:00, 14:00-18:00	Registration 08:00-18:00
08:45-09:30		Opening Speech	
09:00-10:30		Plenary Session I	Plenary Session V
10:30-11:00		Conference Photo & Coffee Break	Coffee Break
11:00-12:30		Plenary Session II	Plenary Session VI
12:30-14:00		Lunch	Lunch
14:00-15:30	Registration 14:00-20:00 1F Lobby	Plenary Session III	Parallel 1 Few-body aspects of atomic and molecular physics
			Parallel 2 Hadrons and related high-energy physics
			Parallel 4 Strange and exotic matter, including hypernuclear physics
15:30-16:00		Coffee Break	Parallel 7 Interdisciplinary aspects of few-body physics and techniques
16:00-16:30		Plenary Session IV	Coffee Break
16:30-17:00			Parallel 1 Few-body aspects of atomic and molecular physics
			Parallel 2 Hadrons and related high-energy physics
17:00-17:20		Special Session Faddeev Medal Award	Parallel 4 Strange and exotic matter, including hypernuclear physics
17:20-17:40			Parallel 7 Interdisciplinary aspects of few-body physics and techniques
17:40-18:00			
18:00		Conference Reception 18:10-21:00 1F Lobby Lounge	
18:10			
20:00			
21:00			

PROGRAM AT A GLANCE

Wednesday, Sep. 25, 2024	Thursday, Sep. 26, 2024	Friday, Sep. 27, 2024
Registration 08:00-18:00	Registration 08:00-18:00	Registration 08:00-18:00
<div>Parallel 1</div> <div>Few-body aspects of atomic and molecular physics</div>	<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	Plenary Session VII
<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	<div>Parallel 3</div> <div>Neutrinos and their interactions with matter</div>	
<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	
<div>Parallel 7</div> <div>Interdisciplinary aspects of few-body physics and techniques</div>	<div>Parallel 6</div> <div>Few-body aspects of nuclear physics and nuclear astrophysics</div>	
Coffee Break	Coffee Break	Coffee Break
<div>Parallel 1</div> <div>Few-body aspects of atomic and molecular physics</div>	<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	Plenary Session VIII
<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	<div>Parallel 3</div> <div>Neutrinos and their interactions with matter</div>	
<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	
<div>Parallel 7</div> <div>Interdisciplinary aspects of few-body physics and techniques</div>	<div>Parallel 6</div> <div>Few-body aspects of nuclear physics and nuclear astrophysics</div>	
Lunch	Lunch	Lunch
Free Discussion	<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	Plenary Session IX
	<div>Parallel 3</div> <div>Neutrinos and their interactions with matter</div>	
	<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	
	<div>Parallel 6</div> <div>Few-body aspects of nuclear physics and nuclear astrophysics</div>	Coffee Break
	Coffee Break	Plenary Session X
	<div>Parallel 2</div> <div>Hadrons and related high-energy physics</div>	Summary and Outlook
	<div>Parallel 3</div> <div>Neutrinos and their interactions with matter</div>	
	<div>Parallel 5</div> <div>Few-nucleon systems, including QCD inspired approaches</div>	Closing Remarks
	<div>Parallel 6</div> <div>Few-body aspects of nuclear physics and nuclear astrophysics</div>	
	Conference Banquet 19:00-21:30 5F China Hall	

Monday, Sep. 23, 2024

Plenary Session

5F China Hall 2

08:45-09:00	Opening Speech by Director of IHEP	
Plenary Session I Chair: Qiang Zhao		
09:00-09:30	Chiral EFT for nuclear forces using gradient flow	Evgeny Epelbaum
09:30-10:00	Recent Progress of JLab Physics	Hai-Yan Gao
10:00-10:30	Progress on hadron physics from LHCb	Liu-Pan An
10:30-11:00	Conference Photo & Coffee Break	
Plenary Session II Chair: Li-Sheng Geng		
11:00-11:30	Fermi polaron in doped 2D semiconductors	Jesper Levinsen
11:30-12:00	Medium-enhanced polaron repulsion in a dilute Bose mixture	Meera Parish
12:00-12:30	Atomic Magnetometers: Nonlinear Spin Dynamics & Applications	Zhen-Hua Yu
12:30-14:00	Lunch	
Plenary Session III Chair: Jin-Hui Chen		
14:00-14:30	Nucleon-deuteron scattering to investigate three-nucleon forces	Kimiko Sekiguchi
14:30-15:00	Production of baryon clusters of B=+1 to +4 in relativistic heavy-ion collisions	Zhang-Bu Xu
15:00-15:30	Pump-probe spectroscopy of weakly-bound van der Waals molecules	Doerte Blume
15:30-16:00	Coffee Break	
Plenary Session IV Chair: Bing-Song Zou		
16:00-16:30	Microwave-shielded polar molecules	Tao Shi
16:30-17:00	Few-photon interactions: from conditional phase to quantum vortices	Ofer Firstenberg
Special session for the Faddeev Medal Award Chair: Bing-Song Zou		
17:00-17:10	Speech by Prof. Kimiko Sekiguchi on behalf of the Faddeev Medal Award Committee, and announcement of the winner of the 2024 Edition of the Faddeev Medal	
17:10-17:40	Speech by the winner of the 2024 Edition of the Faddeev Medal, and a presentation on the relevant topic by the winner	
18:10-21:00	Conference Reception	

Mon-SEP. 23

Tuesday, Sep. 24, 2024

Plenary Session

5F China Hall 2

Plenary Session V Chair: Cong-Feng Qiao		
09:00-09:30	Structure of multi-neutron systems	Emiko Hiyama
09:30-10:00	Nucleon-nucleon correlations in two-proton radioactivit	Si-Min Wang
10:00-10:30	Nuclear Lattice Effective Field Theory	Dean Lee
10:30-11:00	Coffee Break	
Plenary Session VI Chair: Emiko Hiyama		
11:00-11:30	Next generation hypernuclear spectroscopy with the (e,e'K+) reaction at Jefferson Lab	Toshiyuki Gogami
11:30-12:00	Observation of 28O – Evolution of shell structure and multi-neutron correlations beyond the neutron dripline	Takashi Nakamura
12:00-12:30	Two-body scattering on the lattice in the presence of a long-range force	Akaki Rusetsky
12:30-14:00	Lunch	

Tue - SEP. 24

Parallel 1: Few-body aspects of atomic and molecular physics

September 24

5F Qin Hall

Chair: Hua Yang		
14:00-14:30	Universal relations for dilute systems with two-body decays	Chen-Wei Lv
14:30-15:00	Loss dynamics of Femi gases with high-partial-wave interactions	Yang-Qian Yan
15:00-15:30	Moire physics in ultracold atoms	Zhe-Yu Shi
15:30-16:00	Exact two-body solutions and their applications to many-body physics	Ran Qi
16:00-16:30	Coffee Break	
Chair: Zhe-Yu Shi		
16:30-17:00	Creation of ultracold triatomic molecule gas	Huan Yang
17:00-17:30	Gailitis-Damburg oscillations in the three-body atomic systems	Vitaly Gradusov
17:30-18:00	Mass Ratio Dependence of Three-Body Resonance Lifetimes	Lucas Happ

Parallel 2: Hadrons and related high-energy physics**September 24****5F China Hall 2**

Chair: Qian Wang		
14:00-14:25	Recent Studies on Multiple-Quark States at BESIII	Dong Wei
14:25-14:50	Femtoscapy to unveil the nature of exotic hadrons	Li-Sheng Geng
14:50-15:10	Discriminating the spin of $P_c(4440)$ with compositness criterion	Fang-Zheng Peng
15:10-15:30	The pole structures of the $X(1840)/X(1835)$ and the $X(1880)$	Peng-Yu Niu
15:30-15:50	The ϕ p bound state in the unitary coupled-channel approximation	Bao-Xi Sun
15:50-16:10	Three-body bound state of $DD^* \bar{K}$ system in lattice effective field theory	Zhen-Yu Zhang
16:10-16:30	Coffee Break	
Chair: Man-Qi Ruan		
16:30-16:55	Introduction of EicC	Peng Sun
16:55-17:20	Charmed meson masses and decay constants in the continuum from the tadpole improved clover ensembles	Yi-Bo Yang
17:20-17:40	R value measurement and hadron fragmentation functions: recent results by the BESIII collaboration	Yue Xu
17:40-18:00	Dihadron azimuthal asymmetry and light-quark dipole moments at the Electron-Ion Collider	Bin Yan
18:00-18:20	Dark sector search with hadrons at BESIII	Liang-Chen Liu

Parallel 4: Strange and exotic matter, including hypernuclear physics**September 24****5F China Hall 3**

Chair: Jin-Hui Chen		
14:00-14:25	Prospect of Multi-Baryon Hadronic Molecule / Cluster with Strangeness	Masahiko Iwasaki
14:25-14:45	Triangle Singularity Plus Isospin breaking	Jia-Jun Wu
14:45-15:05	Study of the neutron-rich nucleus 6H in electron scattering experiment at MAMI-A1	Tian-Hao Shao
15:05-15:25	Femtoscopic correlations and the strangeness baryon-baryon interactions	Zhi-Wei Liu
15:25-15:45	Gamow shell model description of neutron-rich He hyper-isotopes	Xin Li
16:00-16:30	Coffee Break	
Chair: Masahiko Iwasaki		
16:30-16:55	Status of the lifetime and binding energy measurements for light hypernuclei in the WASA-FRS and E07 emulsion experiments	Christophe Rappold
16:55-17:15	Charge symmetry breaking in hypernuclei within RMF model	Ting-Ting Sun
17:15-17:35	Shape coexistence in Ne isotopes and hyperon impurity effect on low-lying states	Huai-Tong Xue
17:35-17:55	Exploration for Hyperon Halo with Density Functional Theory	Ying Zhang

Parallel 7: Interdisciplinary aspects of few-body physics and techniques**September 24****5F Han Hall**

Chair: Peng Zhang		
14:00-14:30	Towards distributed quantum information processing based on Rydberg atoms	Lin Li
14:30-15:00	Occupation-dependent particle separation in non-Hermitian lattices	Lin-Hu Li
15:00-15:30	Interaction-induced multiparticle bound state in continuum and topological pumping	Yong-Guan Ke
15:30-16:00	Frustrated chiral dynamics in an interacting triangular ladder	Yu-Qing Li
16:00-16:30	Coffee Break	
16:30-17:00	Moiré Physics in Ultracold Atoms	Chao Gao
17:00-17:30	Heteronuclear Efimov universality with positive intraspecies scattering length	Hui-Li Han
17:30-18:00	A Theory of Complex Adaptive Learning Behavior in Complex Adaptive Systems and a Non-Localized Wave Equation in Quantum Mechanics	Lei-Lei Shi

Tue - SEP. 24

Wednesday, Sep. 25, 2024

Parallel 1: Few-body aspects of atomic and molecular physics

September 25

5F Qin Hall

Chair: Yang-Qian Yan		
09:00-09:30	Dynamical instabilities obtained with initially immiscible coupled Bose-Einstein condensates	Lauro Tomio
09:30-10:00	Geometric optimization of quantum dynamics	Ren Zhang
10:30-11:00	Coffee Break	

Parallel 2: Hadrons and related high-energy physics

September 25

5F China Hall 2

Chair: Meng-Lin Du		
09:00-09:25	Quark confinement in multiquark systems	Guang-Juan Wang
09:25-09:45	Progress toward a self-consistent light-front quark model analysis of meson structure	Ahmad Jafar Arifi
09:45-10:05	Quark model with hidden local symmetry and its application to the multi quark systems	Bing-Ran He
10:05-10:25	Mass spectra of strange double charm pentaquarks with strangeness $S=-1$	Zi-Yan Yang
10:30-11:00	Coffee Break	
Chair: Guang-Juan Wang		
11:00-11:25	Recent studies of tetraquark states at LHCb	Zhi-Hong Shen
11:25-11:45	Relativistic three-body scattering and the $D^0 D^{*+} - D^+ D^{*0}$ system	Xu Zhang
11:45-12:05	Possible $K \bar{K}^*$ and $D \bar{D}^*$ resonances by solving Schrodinger equation	Bao-Xi Sun
12:05-12:25	Study the nature of double charm tetraquark in proton-proton collisions	Yi-Yao Li
12:30-18:00	Lunch + Free Discussion	

Wed-SEP. 25

Parallel 5: Few-nucleon systems, including QCD inspired approaches**September 25****5F China Hall 3**

Chair: Feng-Kun Guo		
09:00-09:30	Experimental status for the four-neutron resonance	Meytal Duer
09:30-10:00	Four-neutron resonance in Garmov shell model	Fu-Rong Xu
10:00-10:30	Measurements of the differential cross sections for pd inclusive breakup reactions at 230MeV for the study of elementary process of deuteron knock-out reactions	Yukie Maeda
10:30-11:00	Coffee Break	
Chair: Dean Lee		
11:00-11:30	Proton and deuteron radius measurements with ultra-low energy electron scattering	Yuki Honda
11:30-12:00	Plan of spin correlation coefficient measurement of deuteron-proton scattering at intermediate energies	Yuko Saito
12:00-12:30	Nuclear binding energies from a lattice regulated chiral EFT	Bing-Nan Lu
12:30-18:00	Lunch + Free Discussion	

Wed-SEP. 25**Parallel 7: Interdisciplinary aspects of few-body physics and techniques****September 25****5F Han Hall**

Chair: Chao Gao		
09:00-09:30	Nuclear Hyperfine Mixing and Laser-nuclear Physics	Xu Wang
09:30-10:00	Spin-orbit effect in multiphoton ionization	Dong-Dong Zhang
10:00-10:30	Investigation of a three-body system with Dunkl operator and considering some new transitions	Hassan Hassanabadi
10:30-11:00	Coffee Break	
11:00-11:30	Strong interactions of lattice-polaritons in 2D quantum materials	Thomas Pohl
11:30-12:00	Resonant scattering in ultracold atomic and molecular gases induced by electric field	Gao-Ren Wang
12:00-12:30	Effects of extragalactic background light on the propagation of VHE gamma rays and possible mechanism of the propagation	Yu Yuan
12:30-18:00	Lunch + Free Discussion	

Thursday, Sep. 26, 2024

Parallel 2: Hadrons and related high-energy physic**September 26****5F China Hall 2**

Chair: Eulogio Oset		
09:00-09:25	Few-body effects in heavy flavour hadronic molecules	Alexey Nefediev
09:25-09:45	$\bar{B}^0 \rightarrow \bar{K}^{(*)0} X, B^- \rightarrow K^{(*)-} X, \bar{B}_s^0 \rightarrow \eta(\eta', \phi) X$ decays from the molecular picture of X(3872)	Wei-Hong Liang
09:45-10:05	The isospin and compositeness of the $T_{cc}(3875)$ state	Lian-Rong Dai
10:05-10:25	Entanglement suppression and low-energy scattering of heavy mesons	Tao-Ran Hu
10:30-11:00	Coffee Break	
Chair: Alexey Nefediev		
11:00-11:25	Experimental Program for Super Tau-Charm Facility	Xian-Wei Kang
11:25-11:45	Highlight of light hadron decays at BESIII	Zhi-Peng Xie
11:45-12:05	Conventional hadron spectroscopy at LHCb	Yu-Hao Wang
12:05-12:25	Beauty baryon decays at LHCb	Shu-Qi Sheng
12:30-14:00	Lunch	
Chair: Wei-Hong Liang		
14:00-14:25	Recent studies of pentaquark states at LHCb	Zhen-Wei Yang
14:25-14:45	Correlation function and the inverse problem in the two-body interactions	Chu-Wen Xiao
14:45-15:05	$\pi^0\pi^0$ femtoscopy in photoproduction at $E_\gamma < 2.4$ GeV	Qing-Hua He
15:05-15:25	Light quark mass dependence of nucleon mass to two-loop order	Si-Wei Hu
15:25-15:45	Neural Networks Application in Hadron Resonance Study	Jun Shi
15:45-16:05	Semileptonic decay of heavy flavor mesons	Xian-Wei Kang
16:05-16:30	Coffee Break	
Chair: Zhen-Wei Yang		
16:30-16:55	Effective range expansion with the left-hand cut	Meng-Lin Du
16:55-17:20	Flavor content of the Lambda(1405)	Xiao-Hai Liu
17:20-17:40	Dispersive analysis of $\eta(1405/1475)$ on the recent BESIII $J/\psi \rightarrow \gamma K_0^S K_0^S \pi^0$ decay	Lin Qiu
17:40-18:00	Study of scalar and vector mesons in the charmed hadron decays	Hui Li

Thu-SEP. 26

Parallel 3: Neutrinos and their interactions with matter**September 26****5F Qin Hall**

Chair: Yu-Feng Li		
09:00-09:30	Accelerator neutrino experiment in general with focus on xsec measurements	Xin-Guo Lu
09:30-10:00	Theoretical prediction of low energy neutrino-nucleus interactions	De-Liang Yao
10:00-10:30	Lattice QCD inputs for the neutrino-nucleus interactions	Jian Liang
10:30-11:00	Coffee Break	
11:00-11:30	Deexcitation tools I	Wan-lei Guo
11:30-12:00	Deexcitation tools II	Seisho Abe
12:30-14:00	Lunch	
Chair: Xian-Guo Lu		
14:00-14:30	Neutral current inteactions of neutrino ^{12}C scattering process	Jie Cheng
14:30-15:00	Pion production in neutrino interaction generators	Qi-Yu Yan
15:00-15:30	The study of singles from atmospheic neutrino interaction with LS	Zhen-Ning Qu
15:30-16:00	Mikheyev-Smirnov-Wolfenstein Matter Potential at the One-loop Level in the Standard Model	Ji-Hong Huang
16:00-16:30	Coffee Break	
16:30-17:00	Low energy neutrino scattering in semiconductor detectors	Shuo-Yu Xia
17:00-17:30	Fermionic dark matter absorption by nuclei	Oleg Titov

Thu-SEP. 26

Parallel 5: Few-nucleon systems, including QCD inspired approaches**September 26****5F China Hall 3**

Chair: Evgeny Epelbaum		
09:00-09:30	Machine learning study of light atomic nuclei	Peng-Wei Zhao
09:30-10:00	An accurate relativistic chiral nuclear force	Jun-Xu Lu
10:00-10:30	Doubly Charmed $\Lambda_c\Lambda_c$ scattering from Lattice QCD	Yi-Qi Geng
10:30-11:00	Coffee Break	
Chair: Jia-Jun Wu		
11:00-11:30	Dibaryon candidate with strangeness and effect from hidden-color channel	Lian-Rong Dai
11:30-12:00	Antinucleon-nucleon interactions in covariant chiral effective field theory	Yang Xiao
12:00-12:30	The lattice QCD study of two Lambda system	Han-Yang Xing
12:30-14:00	Lunch	
Chair: Kimiko Sekiguchi		
14:00-14:30	Femtoscopia for nuclear systems	Maximilian Korwieser
14:30-15:00	Proton structure in a light-front Hamiltonian approach	Chandan Mondal
15:00-15:30	Quantum three-body problem within wave-packet continuum discretization approach	Wen-Di Chen
15:30-16:00	PDF of Deuteron-like Di-baryonsystem on Lattice CD	Chen Chen
16:00-16:30	Coffee Break	
Chair: Jun-Xu Lu		
16:30-17:00	Study of exotic hadrons in a multiquark model	Yan-Rui Liu
17:00-17:30	3-body induced forces due to SRG transformations	Vaibhav Chahar
17:30-18:00	Structure of Low-Lying States in Carbon-12 Using Nuclear Lattice Effective Field Theory	Shi-Hang Shen

Thu- SEP. 26

Parallel 6: Few-body aspects of nuclear physics and nuclear astrophysics**September 26****5F Han Hall**

Chair: Chen Ji		
09:00-09:25	Two-neutron halos in EFT: neutron and E1 strength distributions	Matthias Goebel
09:25-09:50	Neutron-Halo Breakup Dynamics with ^{11}Be projectile on the lead target ^{208}Pb at deep sub-barrier Coulomb energies	Lauro Tomio
09:50-10:10	Neutron Scattering off One-Neutron Halo Nuclei in Halo Effective Field Theory	Xu Zhang
10:10-10:30	The Peculiar Thermal Relaxation of Neutron Stars	Zhong-Hao Tu
10:30-11:00	Coffee Break	
Chair: Bing-Wei Long		
11:00-11:25	Searching for Hoyle-Analog States in Light Nuclei	Bo Zhou
11:25-11:50	Cluster Breaking and Melting Effects in Light Nuclei Uncovered by Control Neural Network	Meng-Jiao Lyu
11:50-12:10	Neutron Dripline with Nuclear Lattice EFT	Myungkuk Kim
12:10-12:30	Nucleons in a finite volume: from ground states to the continuum	Hang Yu
12:30-14:00	Lunch	
Chair: Meng-Jiao Lyu		
14:00-14:25	Multi-neutron correlations around the neutron drip line	Zai-Hong Yang
14:25-14:50	Production and Polarization of Hypernuclei in Heavy-Ion Collisions	Kai-Jia Sun
14:50-15:10	A nuclear reaction study with the halo nucleus 6He : elastic scattering and neutron transfer in the $6\text{He}+p$ reaction	Michele Sferrazza
15:10-15:30	Experimental studies of few-nucleon systems	Izabela Skwira-Chalot
16:00-16:30	Coffee Break	
Chair: Bo Zhou		
16:30-16:50	Development of the Advanced Multi-neutron Detection Array for the study of multi-neutron clusters	Jia-Wei Bian
16:50-17:10	Multi-neutron Detection Based on Machine Learning	Ze-Yu Du
17:10-17:30	Dynamics of ^6Li breakups on light and heavy target masses	Kakungu Chitakwa

Friday, Sep. 27, 2024

Plenary Session

5F China Hall 2

Plenary Session VII Chair: Chang-Zheng Yuan		
09:00-09:30	Status of the CEPC Project	Hai-Jun Yang
09:30-10:00	Highlights of hadron physics at BESIII	Bei-Jiang Liu
10:00-10:30	Recent results from Belle and Belle II experiments	Cheng-Ping Shen
10:30-11:00	Coffee Break	
Plenary Session VIII Chair: Shun Zhou		
11:00-11:30	Theory of hadron resonances	Maxim Mai
11:30-12:00	Review on Experimental Neutrino Physics	Liang-Jian Wen
12:00-12:30	Prediction for Neutrino Interaction Cross Sections: From Low to High Energies	Yu-Feng Li
12:30-14:00	Lunch	
Plenary Session IX Chair: Hui Zhai		
14:00-14:30	Weak decays of D mesons into three mesons	Eulogio Oset
14:30-15:00	Resonances in multiquark systems	Jean-Marc Richard
15:00-15:30	Baryon properties from direct solutions of the Poincare-co-variant three-body Faddeev equation	Si-Xue Qin
15:30-16:00	Coffee Break	
Plenary Session X Chair: Mei Huang		
16:00-16:30	Overview of hadronic molecules	Feng-Kun Guo
16:30-17:00	Summary and Outlook	
17:00-17:20	Closing Remarks	

Fri-SEP. 27

PLENARY SPEAKERS



No.	Title	Speaker	Affiliation
1	Progress on hadron physics from LHCb	Liu-Pan An	Peking University
2	Pump-probe spectroscopy of weakly-bound van der Waals molecules	Doerte Blume	University of Oklahoma
3	Chiral EFT for nuclear forces using gradient flow	Evgeny Epelbaum	Ruhr University Bochum
4	Few-photon interactions: from conditional phase to quantum vortices	Ofer Firstenberg	Weizmann Institute of Science
5	Recent Progress of JLab Physics	Hai-Yan Gao	Duke University
6	Next generation hypernuclear spectroscopy with the (e,e'K+) reaction at Jefferson Lab	Toshiyuki Gogami	Kyoto University
7	Overview of hadronic molecules	Feng-Kun Guo	Institute of Theoretical Physics, CAS
8	Structure of multi-neutron systems	Emiko Hiyama	RIKEN
9	Nuclear Lattice Effective Field Theory	Dean Lee	Michigan State University
10	Fermi polaron in doped 2D semiconductors	Jesper Levinsen	Monash University
11	Prediction for Neutrino Interaction Cross Sections: From Low to High Energies	Yu-Feng Li	Institute of High Energy Physics, CAS
12	Highlights of hadron physics at BESIII	Bei-Jiang Liu	Institute of High Energy Physics, CAS
13	Theory of hadron resonances	Maxim Mai	University of Bern
14	Observation of 28O – Evolution of shell structure and multi-neutron correlations beyond the neutron dripline	Takashi Nakamura	Tokyo Institute of Technology
15	Weak decays of D mesons into three mesons	Eulogio Oset	Guangxi Normal University
16	Medium-enhanced polaron repulsion in a dilute Bose mixture	Meera Parish	Monash University
17	Baryon properties from direct solutions of the Poincare-covariant three-body Faddeev equation	Si-Xue Qin	Chongqing University
18	Resonances in multiquark systems	Jean-Marc Richard	Institut de Physique Nucleaire, Lyon
19	Two-body scattering on the lattice in the presence of a long-range force	Akaki Rusetsky	HISKP, University of Bonn
20	Nucleon-deuteron scattering to investigate three-nucleon forces	Kimiko Sekiguchi	Tokyo Institute of Technology
21	Recent results from Belle and Belle II experiments	Cheng-Ping Shen	Fudan University
22	Microwave-shielded polar molecules	Tao Shi	Institute of Theoretical Physics, CAS
23	Nucleon-nucleon correlations in two-proton radioactivity	Si-Min Wang	Fudan University
24	Review on Experimental Neutrino Physics	Liang-Jian Wen	Institute of High Energy Physics, CAS
25	Production of baryon clusters of $B=+1$ to $+4$ in relativistic heavy-ion collisions	Zhang-Bu Xu	Kent State University and Brookhaven National Lab
26	Status of the CEPC Project	Hai-Jun Yang	Shanghai Jiao Tong University
27	Atomic Magnetometers: Nonlinear Spin Dynamics & Applications	Zhen-Hua Yu	Sun Yat-Sen University

GENERAL *INFORMATION OF FB23*

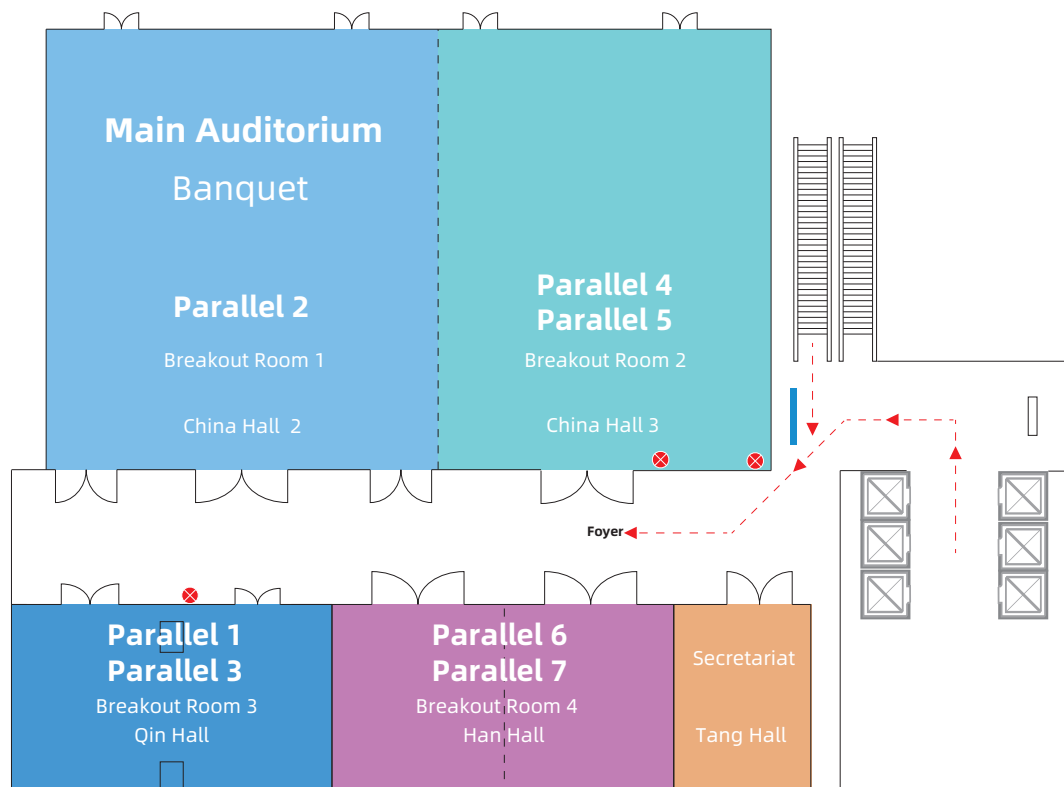


Venue for the Conference

5F of the hotel

Main Auditorium / Breakout Room 1	Breakout Room 2	Breakout Room 3	Breakout Room 4	Secretariat
China Hall 2	China Hall 3	Qin Hall	Han Hall	Tang Hall
Parallel 2	Parallel 4 Parallel 5	Parallel 1 Parallel 3	Parallel 6 Parallel 7	

5F FLOOR PLAN



On-site Registration

(1) Date and Location

Date	Opening Hours	Location
Sep. 22	14:00-20:00	1F Lobby
Sep. 23	08:00-12:00	
Sep. 23	14:00-18:00	5F Secretariat at Tang Hall
Sep. 24-27	08:00-18:00	

(2) Registration Fee

Participant	Registration Fee
Staff/Postdoc	3000CNY / 450USD
Student	2000CNY
Accompanying person	200CNY / 30USD for Conference Reception
	300CNY / 50USD for Conference Banquet

Notes:

On-site payment with credit card, WeChat, Alipay are all acceptable excepting cash in CNY. Registration fee includes daily lunch, welcome reception, and conference banquet.

Notice for Speakers

Please upload your slides to Indico one day prior to the session (contact fb23@ihep.ac.cn in case of account issues).

Social Event**(1) Lunch (Ticket Required)**

Time: 12:30-14:00, Sep. 23-27, 2024

Location: 2F Beijing Ballroom

(2) Conference Reception (Ticket Required)

Time: 18:10-21:00, Monday, Sep. 23, 2024

Location: 1F Lobby Lounge

(3) Conference Banquet (Ticket Required)

Time: 19:00-21:30, Thursday, Sep. 26, 2024

Location: 5F China Hall

(4) Faddeev Medal Award Ceremony

Time: Before the Conference Reception

Wi-Fi Instructions

Free Wi-Fi for participants in the hotel.

Wi-Fi Name: WandaHotels**Password:**

* For domestic participants, there are two ways to get the codes

1. WeChat Authorized Login.

2. SMS verification code. The access code will be sent by SMS after you fill in your mobile phone number (for Chinese Mainland with +86 numbers only).

* For international participants, please come to the hotel's front desk, the staff there will issue a password for you.

Accommodation

FB23 will be held at Wanda Realm Beijing. There are two hotel options for your reference.

(1). Wanda Realm Beijing 5* 北京万达嘉华酒店

Address: No. 18A Shijingshan Road, Shijingshan District, Beijing, P. R. China

Tel: +86 (010) 88681188

(2). Mercure Beijing Wanshang 4* facilities 北京万商花园美居酒店

Address: 1 Yinhe Street, Shi Jing Shan District, 100043 Beijing, China

Tel: +86 (010) 8868 1199

Distance to conference venue: 900m, 5-8 mins walk

How to get to Wanda Realm Beijing

Conference Venue:

北京万达嘉华酒店 Wanda Realm Beijing

北京市石景山区石景山路甲 18 号院 1 号楼

Building 1, No. 18A Shijingshanlu, Shijingshan District, Beijing

Bus Station at walking distance:

Laoshan Bus Station 老山公交站

About 2 minutes walk, it can be reached by Bus No. 336, 337, 527, 546, 574, 914 and 941

Jinyuandong Bus Station 京原东站

About 10 minutes walk, it can be reached by Bus No. 527, 597, 598, 663, 914, 941, 959, 992 and 965

Subway Station at walking distance:

Babaoshan Station 八宝山地铁站

About 10 minutes walk to the conference venue

Beijing Map





From the Airport to the Venue

PEK - From Beijing Capital International Airport (50km)

1. Taxi (Highly Recommended) – about 1 hour drive

Taxi Locations: Please follow the signs in the terminal building

Fare: About **25 USD** in total, the cost differs according to the traffic conditions

2. Airport Shuttle Bus & Subway – about 2 hours

Take Airport Bus Line 2 Beijing South Station Line (South East Third Ring Road Direction)

→ transfer to Guomao (Dabeiyaonan) Public Bus Station to take Subway Line 1 (Gucheng Direction)

→ transfer to Babaoshan Station and get off from Exit D

→ walk to the west, about 10 minutes' walk to the hotel

Airport shuttle bus ticket offices: Outside Gate 1-3 of Terminal 3

Fare: About **5 USD** in total

	Service Hour	Departure Interval
PEK Airport Bus Line 2	08:00-24:00	60 mins
Subway Line 1	05:00-24:00	5 mins

PKX - From Beijing Daxing International Airport (60km)

1. Taxi (Highly Recommended) – about 1 hour drive

Taxi Locations: Please follow the signs in the terminal building

Fare: About **30 USD** in total, the cost differs according to the traffic conditions

2. Subway – about 1.5-2 hours

Take Daxing Airport Subway Line (Caoqiao Direction)

→ transfer at Caoqiao Station to take Subway Line 10 (Jijiamiao Direction)

→ transfer at Gongzhufen Station to take Subway Line 1 (Gucheng Direction)

→ transfer at Babaoshan Station and get off from Exit D

→ walk to the west, about 10 mins walk to the hotel

Fare: About **8 USD** in total

	Service Hour	Departure Interval
Daxing Airport Subway Line	06:00-23:00	9 mins
Subway Line 10	04:37-22:30	5 mins

Tips for Transportation

a) You may change money at the Banks or Money Exchange at the airport beforehand since you need Chinese money (RMB) to pay for the means of transportation.

b) Kindly note that all the time is subject to traffic conditions.



From the Railway Station to the Venue

There are three main railway stations in Beijing. They are Beijing Railway Station, Beijing South Railway Station, and Beijing West Railway Station. Please kindly refer to the transfer information below.

Railway Station	Dist.	Taxi (Highly Recommended)	Subway Fare about 1 USD
Beijing Railway Station	20km	About 40-50 mins drive Fare about 9 USD in total	About 60 mins Take Subway Line 2 (Jianguomen Direction) → transfer at Jianguomen Station to take Subway Line 1 (Gucheng Direction)
Beijing South Railway Station	20km	About 30-40 mins drive Fare about 10 USD in total	About 40-50 mins Take Subway Daxing Line-Line 4 (Anheqiaobei Direction) → transfer at Xidan Station to take Subway Line 1 (Gucheng Direction)
Beijing West Railway Station	12km	About 20 mins drive Fare about 6 USD in total	About 60 mins Take Subway Line 9 (Guojia Tushuguan – National Library Direction) → transfer at Military Museum Station to take Subway Line 1 (Gucheng Direction) then → transfer at Babaoshan Station and get off from Exit D → walk to the west, about 10 mins walk to the hotel

	Service Hour	Departure Interval
Subway Line 1	05:00-24:00	5 mins
Subway Line 2	05:09-24:00	5 mins
Subway Line 4	05:05-24:00	5 mins
Subway Line 9	05:00-22:39	5 mins

TIPS FOR FOREIGN

PARTICIPANTS



Currency, Exchange and Payment Methods

(1) Chinese Currency

Renminbi (人民币) or RMB is the official currency of China, and it means “people’s currency” in Chinese. The basic unit of RMB is yuan (元), and the sign of yuan is ¥. CNY is the abbreviation of Chinese yuan, which is also been used widely to refer to Chinese currency.

(2) Currency Exchange

After arriving in China, you can find many places to exchange Chinese currency, such as the exchange vendors in the major international airports, hotels, offices of local banks, and ATMs across the region. Exchanging major international cash, such as U.S. Dollars, Euros, Pounds, etc. into Chinese Yuan is not difficult in China. The exchange rates are regulated; however, the commission fees are varied from different banks, hotels, and airports.

(3) Payment Methods in China

Credit and debit cards may not cover all your expenses in China. With the widespread popularity of digital payments, many businesses no longer offer point-of-sale (POS) systems for credit and debit card users. However, you can still use your bank cards via POS systems at selected hotels, shopping malls, and larger restaurants. Cash is still widely accepted. It is also very reliable. You’d better always bring some cash with you including some small changes.

Digital payment is the norm in China, with Alipay and WeChat Pay leading the way. Since July 2023, they've started accepting international cards through their apps, though success may vary depending on the user's country and bank. It is quite convenient in China, during your registration, you may need someone from China to help scan the code so as to finish the registration, please feel free to contact us at fb23@ihep.ac.cn.



Electricity

Voltage in China is 220V/50HZ. Hotels provide 220V and 110V (shavers only) power outlets. Please note that plug adapters and converters might be required.



Smoking

Smoking in indoor public places has been banned in Beijing since June 1, 2015, following the rolling out of the toughest-ever anti-smoking regulation in China. The regulation extends smoking bans to include all indoor public areas and workplaces, plus a number of outdoor areas including schools, seating areas in sports stadiums, and hospitals where women or children are treated.

Time

China covers five time zones. Beijing time (UTC + 08:00) is the only official time throughout the country; China Standard Time is 8 hours ahead of Greenwich Mean Time (GMT + 8). China does not operate Daylight-saving Time.

Punctuality is highly appreciated.

Transportation

-Subway: The subway system in Beijing has 27 lines till now. The basic fare is 3 yuan per entry with additional fees according to your traveling distance. The Subway Trains run from 05:30 in the morning until 23:00 in the late evening. A ticket can be bought at the ticket office of each station or at an automatic ticketing machine. You can also buy a Beijing transportation card at the ticket office of each subway station. Subway stops are announced over the train's speaker system in Chinese and English.

-Bus: Buses are the main means of transport in Beijing. Please prepare small bills since there is no change in all bus lines. It would be very crowded during rush hours, from 07:00-09:00 and 16:00-18:00.

-Taxi: Taxi in Beijing have several colors. All of them show a taximeter inside. You can easily find them in every part of Beijing. Within 3 kilometers, the taxi fee is RMB 14 yuan, which consists of RMB 13 yuan starting fare and RMB 1 yuan fuel surcharge. All Taxis will charge RMB 2.3 yuan per kilometer if the distance is more than 3 kilometers. An additional 20% fee will be charged if you take the taxi from 23:00 to 05:00.



Beijing metro enables 'tap-and-go' fare payment for foreign MasterCard, Visa card holders

Beijing has become the first city on the Chinese mainland supporting contactless fare payments in rail transit for foreign MasterCard and Visa card holders.

International visitors can use MasterCard and Visa cards issued overseas to take rides on the city's entire rail transit network, and pay automatically according to the same billing rules as the local residents.

The service is comprehensively available at all gates across 490 stations along 27 subway lines (including two airport lines, Xijiao Line and Yizhuang T1 Line), covering a total length of 836 km. Additionally, the Suburban Railway Line S2 is also part of this scheme.

Regarding public transport, the prepaid **BEIJING PASS** cards are now available in Beijing, which can be used for taking over 1,700 bus lines, 28 rail lines, and more than 20,000 taxis.

Moreover, international visitors can also use the card to purchase tickets for 30 popular tourist attractions in Beijing, such as the Summer Palace, the Temple of Heaven and the Badaling section of the Great Wall.

International visitors can purchase or refund the Beijing Pass at 15 locations in Beijing, including Beijing Capital International Airport, Beijing Daxing International Airport and Beijing Railway Station, with a valid ID.

Card holders can top up their Beijing Pass at 490 stations across the city's 27 subway lines through service counters or designated self-service machines. They can also add funds online via the "SilkPass" mobile application.

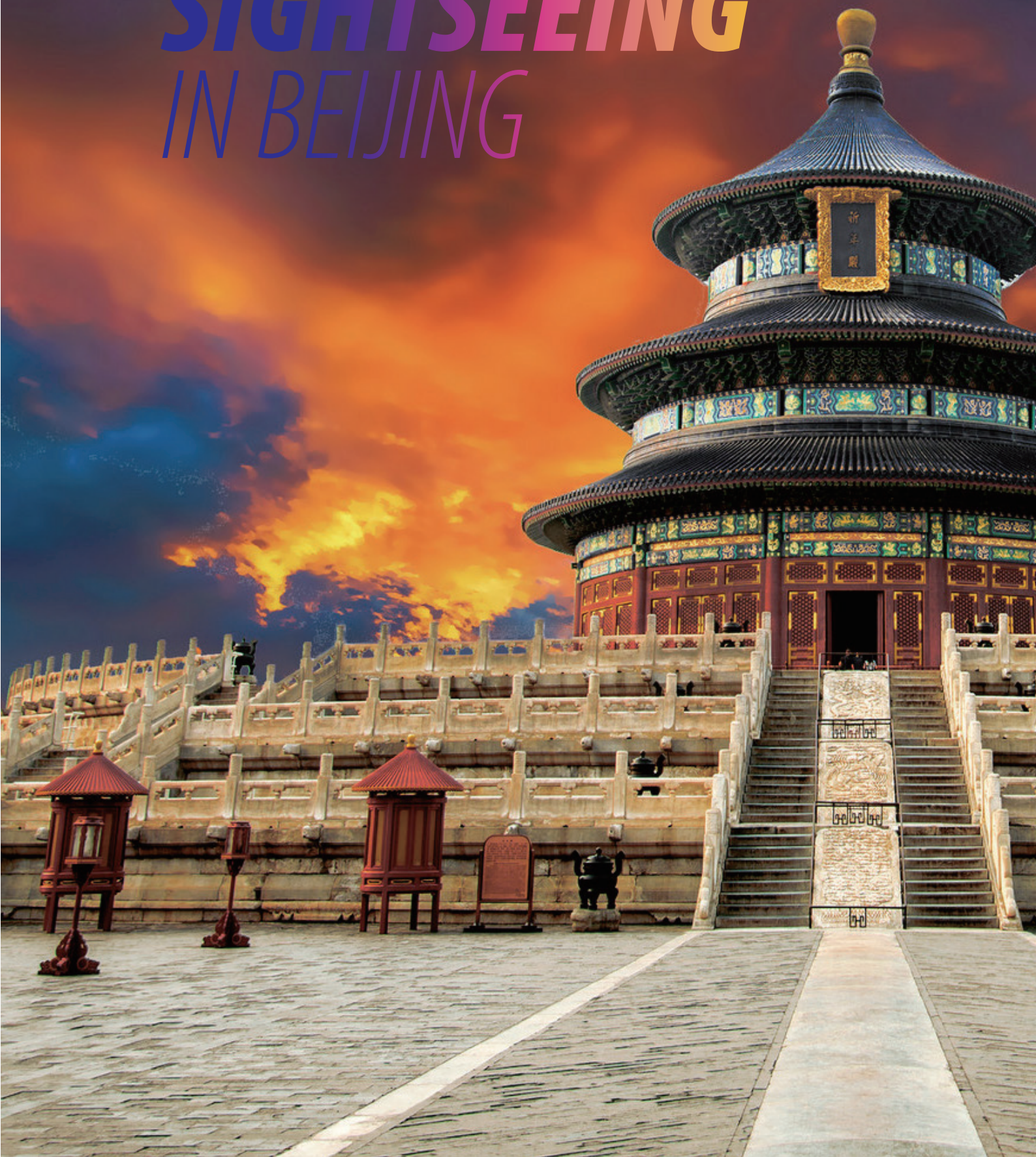


Emergency Numbers

Police (Calling)	110
Police (Text message)	12110
First-aid Ambulance	120
Fire	119
Traffic Accidents	122

Note: 110, 120, and 119 are free calls. 110 may be used for all emergencies. It is the first number to call. Whether 119 or 120 is called depends on the situation.

SIGHTSEEING *IN BEIJING*



Introduction of Beijing

Beijing, the capital of the People's Republic of China (PRC), the center of politics, culture, transport, tourism, and international communication in China, is a fast-growing, dynamic metropolis, that attracts foreign businesses and visitors, and maintains a firm grip on its rich cultural heritage. A monolithic showcase that may give a brief view of Beijing to foreign visitors breaks as follows:

- Area: 16,800 sq km (6552 sq mi)
- Population: 21.7 million
- Country: People's Republic of China
- People: 95% Han Chinese
- Main language: Mandarin (putonghua)
- Time zone: GMT/UTC plus 8 hours
- Telephone area code: 010

To travel to Beijing, you'd better know something about Beijing's history. Because of its perfectly combined ancient history and modern culture, Beijing has attracted visitors from all over the world. Beijing citizens receive millions of visitors at home and abroad every year with their everlasting enthusiasm, humor, and hospitality.

As an ancient city, its history can be traced back to 3,000 years ago. In the Spring-Autumn and Warring Periods (770 BC – 221 BC), Yan Nation established its capital in Beijing, calling it "Ji". During the Qin Dynasty, Han Dynasty, and Three Kingdom Period, the Beijing area was the center of northern China. Wang Mang established its capital in Beijing in the Yan Nation at the end of the Western Han Dynasty, so Beijing is also called "Yanjing". During the Southern Song Dynasty, the Liao Nation established its Capital in Beijing, calling it "Pei", Jin Dynasty officially established its Capital in Beijing. Since then, the Yuan Dynasty, Ming Dynasty, and Qing Dynasty all established the Capital in Beijing, with a total of 34 emperors reigned in Beijing in China's ancient history.

The long history of Beijing has left a large number of cultural relics and various human landscapes, which provide very rich tourism resources for Beijing. The magnificent Great Wall and the Forbidden City are the world-famous tourist attractions. The beauty of the Summer Palace, Beihai, Xiangshan, and the Temple of Heaven are all great magnets for visitors.

Suggested Tour Route for Wednesday Afternoon

Suggested Tour for Wednesday Afternoon

No.	Beijing Highlights
1	Great Wall at Juyongguan Pass
2	Tiananmen Square and the Forbidden City
3	Summer Palace
4	Temple of Heaven
5	Shichahai Hutong Area



Great Wall at Juyongguan Pass

Timing for your reference only

About 1.5 hours drive from downtown to Great Wall at Juyongguan Pass

13:30-15:00 Transfer to the Great Wall at Juyongguan Pass

15:00-17:00 Visit the Great Wall

17:00-18:30 Back to downtown

Great Wall at Juyongguan Pass

In Chinese history, Beijing was not only one of the ancient capitals, but also one of the most strategic cities in the north. Many rulers have actively ordered to build Great Wall here, making it the best destination to admire the comprehensive military defensive system of ancient China and one of the wonders of human beings.

In total, the sections in Beijing measures about 600 kilometers. Those of the Ming Dynasty (1368-1644) amount to about 550 kilometers, and the sections of other dynasties add up to about 40 kilometers.

Juyongguan Great Wall is one of the three most famous passes along the Great Wall of China, together with Jiayuguan and Shanhaiguan. 37 miles (60 km) from downtown Beijing, Juyong Pass was a solid stronghold encircling a valley, which was the northern direct access to Beijing in ancient times.

Juyongguan used to be an ancient military town full of military installations, watch towers, official residences, temples, and other structures. Juyongguan Pass was first built in the Ming Dynasty and received much repair later. It was a very important strategic area linking the inner land and the area close to the northern border of China. The Juyongguan Pass has been well known for its strategic importance for over 2,000 years.



Tian'anmen Square & Forbidden City

Timing for your reference only

13:15-14:00 Transfer to the Tiananmen Square

14:00-14:45 Visit the Tiananmen Square

14:45-15:00 Walk to the Forbidden City

15:00-17:00 Visit the Forbidden City

Tiananmen Square

Located at the center of Beijing City and the midpoint of Chang'an Avenue is the remarkable Tiananmen Square, where you can visit the Tiananmen Tower, Monument to the People's Heroes, Great Hall of the People, Chairman Mao Zedong Memorial Hall and see the national flag raising ceremony. Thousands of people come to the Square every day. It is the must place to visit in Beijing City. At the north end of the Square is Tiananmen Tower. The most important use of it in the past was to declare in a big ceremony to the common people who became the emperor and who became the empress. Until 1911 when the last feudal kingdom was over, no one could enter the Tower except for the royal family and aristocrats.



The Forbidden City

Situated at the heart of Beijing, the Forbidden City is approached through Tian'anmen Gate. It is a location endowed with cosmic significance by ancient China's astronomers. The Forbidden City was built from 1406 to 1420 by the third Ming emperor Yongle, who upon usurping the throne, determined to move his capital north from Nanjing to Beijing. In 1911 the Qing dynasty fell to the republican revolutionaries. The last emperor, Puyi, continued to live in the palace after his abdication until he was expelled in 1924. Twenty-four emperors lived and ruled from this palace during this 500-year span.



* Very Important Notice:

- Forbidden City is closed on Mondays.
- All visitors need to buy e-tickets online beforehand, through the official website of the museum, its WeChat mini program (no English version) or travel agencies offering English service.
- The tickets are released 7 days in advance by the authority. It is recommended to buy as early as possible for the tickets are in great demand always.
- Passports of foreigners or ID cards of visitors from Mainland China, Hong Kong, Macau and Taiwan are needed when buying tickets.

Summer Palace

Timing for your reference only

13:30-14:00 Transfer the Summer Palace

14:00-16:00 Visit the Summer Palace (take the ferry ride)

The Summer Palace

Summer Palace is the largest and most well-preserved royal park in China, it greatly influences Chinese horticulture and landscape with its famous natural views and cultural interests, which also has long been recognized as 'The Museum of Royal Gardens'.

It was an imperial garden in Qing Dynasty. Mainly dominated by Longevity Hill and Kunming Lake, it covers an expanse of 2.9 square kilometres (1.1 sq mi), three-quarters of which is water.

In December 1998, UNESCO included the Summer Palace on its World Heritage List. It declared the Summer Palace "a masterpiece of Chinese landscape garden design. The natural landscape of hills and open water is combined with artificial features such as pavilions, halls, palaces, temples and bridges to form a harmonious ensemble of outstanding aesthetic value".



Temple of Heaven

Timing for your reference only

13:30-14:15 Transfer to the Temple of Heaven

14:15-16:15 Visit The Temple of Heaven

Temple of Heaven

The Temple of Heaven is a historic religious site located in southeastern Beijing. Built in the early 15th century during the Ming dynasty, it was used by emperors for annual ceremonies to pray for good harvests. The complex covers 2.7 million square meters and includes several iconic buildings, such as the Hall of Prayer for Good Harvests, the Imperial Vault of Heaven, and the Circular Mound Altar.

It is China's largest and most representative existing masterpiece among China's ancient sacrificial buildings. And thousands of local people amuse themselves here every day.

The Temple of Heaven is known for its symbolic layout, representing the relationship between heaven and earth, and is also a UNESCO World Heritage Site.



Shichahai Hutong Area

Timing for your reference only

13:30-14:30 Transfer to the Hutong area

14:30-15:00 Visit Hutong area (try the rickshaw along the lake)

15:00-15:15 Walk to the Drum Tower through Yandai Alley

15:15-15:45 Visit the Drum Tower & Bell Tower

Hutong

A Hutong is a unique form of community that exists only in China. The Hutong, built during the Yuan, Ming, and Qing dynasties, is the narrow network of lanes created by closely built quadrangular homes. The houses and courtyards, hidden away and boxed, are closed off with wooden gates with carved characters intended to bring good fortune to the house owner. Taking a rickshaw tour through the Hutong will give you the opportunity to experience the different aspects of the past and the present of Beijing city, the society and the daily life.



WEATHER REMINDER FOR ALL



Beijing ,Beijing ,China


Today



















Hourly

15Day

Living Index

15Day Forecast

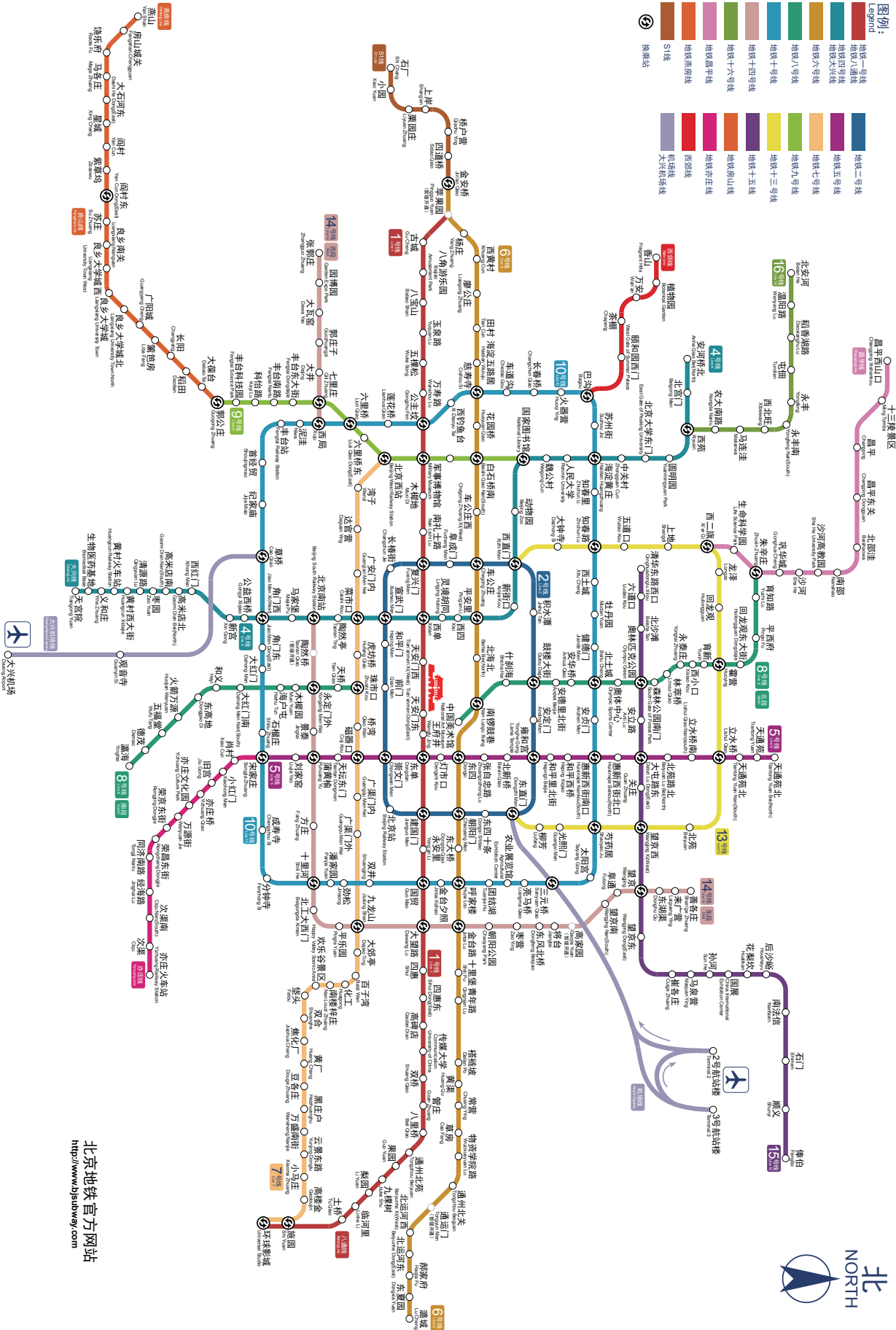
 Graph
  Table

Fri Sep.20	Sat Sep.21	Sun Sep.22	Mon Sep.23	Tues Sep.24	Wed Sep.25	Thur Sep.26	Fri Sep.27	Sat Sep.28
 57°F	 60°F	 60°F	 60°F	 62°F	 60°F	 66°F	 64°F	 66°F
 80°F	 80°F	 80°F	 82°F	 82°F	 82°F	 78°F	 84°F	 75°F
Cloudy / Cloudy	Sunny / Sunny	Sunny / Overcast	Sunny / Overcast	Sunny / Sunny	Cloudy / Overcast	Overcast / Overcast	Overcast / Cloudy	Sunny / Sunny
S <12km/h	SW <12km/h	S <12km/h	N <12km/h	SE <12km/h	SE <12km/h	SE <12km/h	SE <12km/h	SE <12km/h

For more current information and weather forecasts, please visit:
<http://www.weather.com.cn/english/>

Maps

Beijing Subway Map



北京城市轨道交通 Beijing Rail Transit Lines



Conference Hotel Map

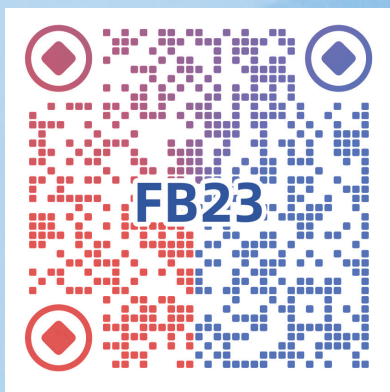


FB23

THE 23rd INTERNATIONAL CONFERENCE ON
FEW-BODY PROBLEMS IN PHYSICS (FB23)
Sept. 22 -27, 2024 • Beijing, China



FB23 Official Website
<http://fb23.ihep.ac.cn/>



Scan the QR Code to check the
FB23 timetable