



山东大学
SHANDONG UNIVERSITY



SPIN2025

The 26th International Symposium on Spin Physics

SPIN2025

CONFERENCE HANDBOOK



Host Institution: Shandong University
Qingdao, China
September 21st -26th, 2025



Transportation Information

This conference will be held at the **Qingdao Haitian Hotel (青岛海天大酒店)**: No. 3, Donghai West Road, Shinan District, Qingdao, Tel: +86-532-87619999.

For your convenience, please remember to carry some cash.

Route	Means of Transport	Time (≈)	Cost (≈)	Route Details
Qingdao Railway Station (青岛站) → Haitian Hotel	Taxi	15 min	30 CNY	≈ 7 km to the conference site
	Metro	40 min	3 CNY	Line 3 to Yan'an 3rd Road Walk/Cycle/Taxi to Haitian Hotel, ≈740m
Qingdao North Railway Station (青岛北站) → Haitian Hotel	Taxi	35 min	80 CNY	≈ 19 km to the conference site
	Metro	50 min	4 CNY	Line 3 to Yan'an 3rd Road Walk/Cycle/Taxi to Haitian Hotel, ≈740m
Qingdao Jiaodong International Airport (青岛胶东国际机场) → Haitian Hotel	Taxi	60 min	180 CNY	≈ 58 km to the conference site
	Metro	100 min	7 CNY	Line 8 to Qingdao North Railway Station, Line 3 to Yan'an 3rd Road, Walk/Cycle/Taxi to Haitian Hotel, ≈740 m

Here are some Chinese sentences that may help you:

“Where can I get a taxi?” 请问在哪可以乘坐出租车？

“I want to go to Qingdao Haitian Hotel.” 我要去青岛海天酒店(东海西路店)。

“Where is the subway station?” 请问地铁站在哪？

“How to get to the Qingdao Haitian Hotel?” 请问青岛海天大酒店怎么走？

Meals

- **Lunch:** Lunch will be covered by the conference at the **Haitian Ballroom 1** (next to the plenary hall) from 11:30 to 13:30.
- **Dinner:** Dinner will be on your own.
- **Reception:** 17:30-21:30, September 21st, **Cafe 1988 (2F at Qingdao Haitian Hotel)**
- **Banquet:** 18:00-21:00, September 24th, **China Hall (2F at Shangri-La Hotel)**

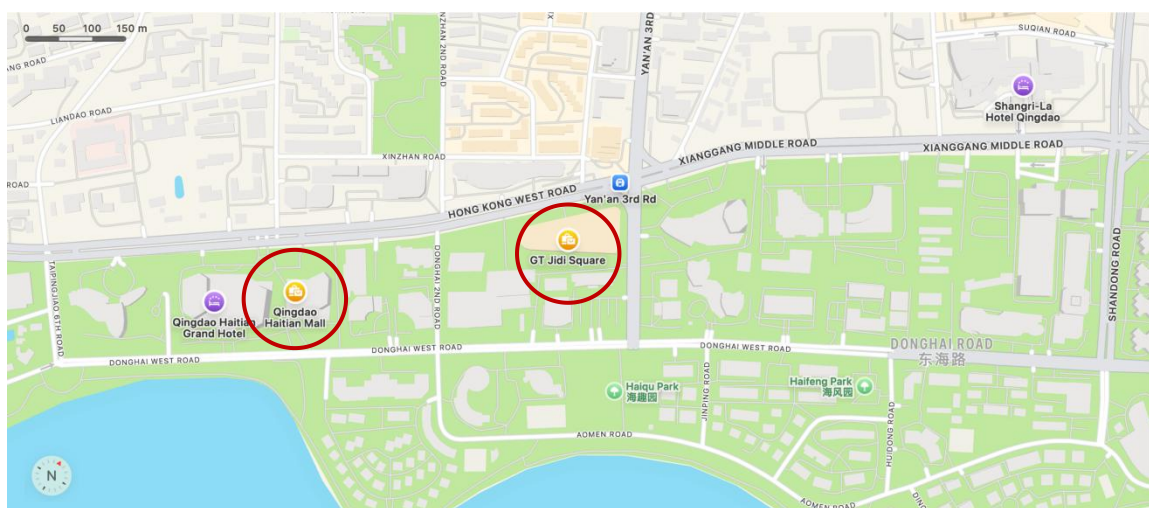
Please remember to bring the **Meal Voucher** for the **lunch, reception and banquet**.



Qingdao Haitian Hotel (青島海天大酒店)



Shangri-La Hotel (香格里拉大酒店)



For dinner, you can go to the Cafe 1988 (2F), Yan Hai Ge Chinese Restaurant (3F), Haitian No.1 (5F), or the Sunshine Japanese Restaurant (5F) in Haitian Hotel. Discounts are available with your conference badge. For more details, please refer to page 31. Meanwhile, there are also many restaurants for you to choose in Haitian Mall or GT Jidi Square, as we circled in the map above.

Contents

1. Committee.....	04
2. Program.....	05
2.1 Plenary Session.....	07
2.2 Nucleon Helicity Structure Session.....	10
2.3 Spin Physics in Nuclear Reactions and Nuclei Session.....	11
2.3 3-Dimensional Structure of Nucleon - TMD Session.....	12
2.4 3-Dimensional Structure of Nucleon - GPD Session.....	15
2.5 Low Energy Spin Physics with Lepton, Photon and Hadron Probes Session.....	16
2.6 Fundamental Symmetries and Spin Physics beyond the Standard Model Session.....	17
2.7 Acceleration, Storage and Polarimetry of Polarized Beams Session.....	19
2.8 Polarized Ion and Lepton Sources and Targets Session.....	20
2.9 Future Facilities and Experiments Session.....	21
2.10 Application of Spin and Nuclear Polarization Techniques Session.....	22
2.11 Spin in Heavy Ion Collisions Session.....	23
2.12 Quantum Computing and Artificial Intelligence Session.....	25
3. Tourism Information.....	26

Committee Members

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- Jinlong Zhang (Shandong U.)
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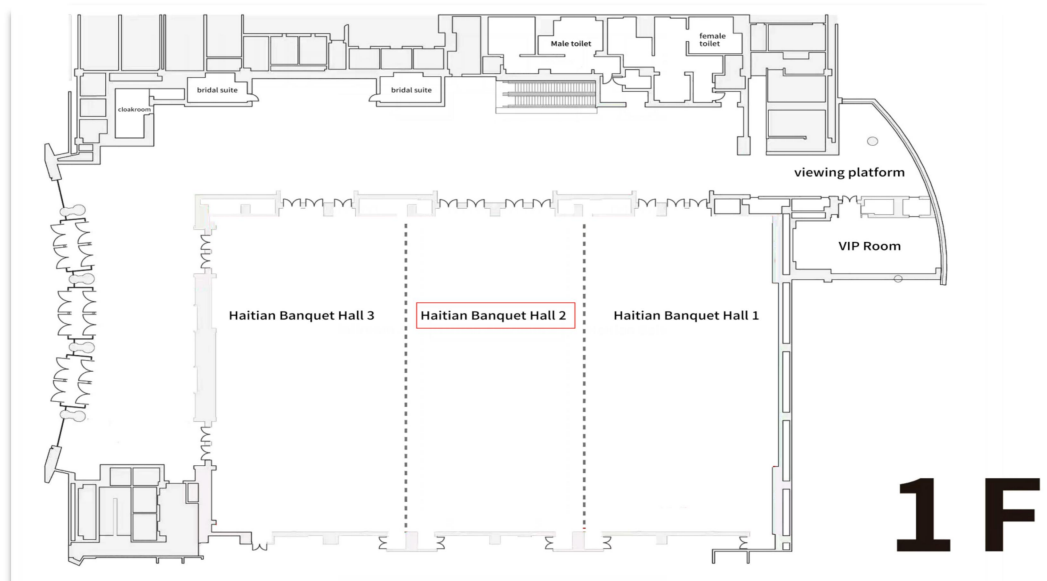
Program Overview

Overview of the Program for the 26th International Symposium on Spin Physics							
time	9.21	9.22	9.23	9.24	9.25	9.26	9.27
8:30		plenary	parallel	parallel	plenary	plenary	free discussion
10:50		special event					
12:00		lunch					
14:00	registration	plenary	parallel	excursion	plenary	plenary	
15:40							
18:00	reception		ISPC meeting	banquet			

The plenary talks will be held in Haitian Ballroom 2, and the parallel reports are as follows:

Venue	9.23 Morning	9.23 Afternoon	9.24 Morning
Qindao Multi-function Hall 1	3D structure: TMD	3D structure: TMD	3D structure: TMD1
Meeting Room 3	Fundamental symmetries and spin physics beyond the standard model	Spin physics in nuclear reactions and nuclei	Fundamental symmetries and spin physics beyond the standard model
Meeting Room 6	Spin in heavy ion collisions	Spin in heavy ion collisions	Spin in heavy ion collisions
Meeting Room 7	Nucleon helicity structure	Acceleration, storage and polarimetry of polarized beams	Nucleon helicity structure + Low energy spin physics
Meeting Room 8	Application of spin and nuclear polarization techniques	Polarized ion and lepton sources and targets	3D structure: TMD2
Meeting Room 9	3D structure: GPD	3D structure: GPD	Future facilities and experiments
Meeting Room 5		ISPC meeting	Quantum computing and artificial intelligence

Meeting Room Location



Venue Floor Plan

Slide preparation

All oral speakers are required to prepare full HD 16:9 aspect ratio slides. We expect all speakers to **upload your slides to indico at least two hours before the meeting starts**. The meeting secretary will download them to the PC before the session starts. She/He will help open your file and display it on the projector.

Wi-Fi information

Wi-Fi: HThotel Password : 87619999

September 22 nd , Monday, Haitian Ballroom 2+3,		
Plenary session		
Session-1	Chair: Yugang Ma	
08:45-09:00	Opening and welcome	
09:00-09:40	Nucleon spin experiments	Xiaochao Zheng
09:40-10:20	Nucleon helicity distributions	Emanuele Roberto Nocera
10:20-10:50	Photo and Coffee Break	
Session-2	Chair: Shucai Li	
10:50-12:00	From discovery of spin to quantum anomalous hall effect	Qi-Kun Xue
12:00-14:00	Lunch	
Session-3	Chair: Alessandro Bacchetta	
14:00-14:40	TMD experiments	Fulvio Tassarotto
14:40-15:20	GPD experiments	Daria Sokhan
15:20-15:40	Coffee Break	
Session-4	Chair: Naohito Saito	
15:40-16:20	SIDIS experiment and fragmentation functions	Anselm Vossen
16:20-17:00	Spin physics at BESIII	Hai-Bo Li
17:00-17:40	Lattice calculation of TMDs	Wei Wang

September 25th, Thursday, Haitian Ballroom 2,

Plenary session

Session-1	Chair: Viktor Fimushkin	
08:30-09:10	Polarized fusion	Ralf Engels
09:10-09:50	Dubna, polarized targets, history and plans	Anton Dolzhikov
9:50-10:10	Coffee Break	
Session-2	Chair: Xin-Nian Wang	
10:10-10:50	Heavy ion spin experiments	Takafumi Niida
10:50-11:30	Heavy ion spin theory	Francesco Becattini
11:30-12:10	Chiral magnetic effect	Jinfeng Liao
12:10-14:00	Lunch	
Session-3	Chair: Shunzo Kumano	
14:00-14:40	TMD theory	Kazuhiro Watanabe
14:40-15:20	Drell-Yan spin physics	Wen-Chen Chang
15:20-15:40	Coffee Break	
Session-4	Chair: Oleg Teryaev	
15:40-16:20	GPD theory	Paweł Sznajder
16:20-17:00	Lattice calculation of GPDs	Huey-Wen Lin
17:00-17:40	Proton charge radius	Ashot Gasparian

September 26th, Friday, Haitian Ballroom 2,
Plenary session

Session-1	Chair: Yuji Goto	
08:30-09:10	SoLID and future programs at JLab	Haiyan Gao
09:10-09:50	NICA SPD project	Alexey Guskov
9:50-10:10	Coffee Break	
Session-2	Chair: Jian-Ping Ma	
10:10-10:50	EIC status	Bernd Surrow
10:50-11:30	From HIAF to EicC	Jiancheng Yang
11:30-12:10	The LHCSpin project	Shankar Rahul
12:10-14:00	Lunch	
Session-3	Chair: Qun Wang	
14:00-14:40	Small-x spin physics	Bowen Xiao
14:40-15:20	Quantum computing	Hideki Okawa
15:20-15:40	coffee break	
Session-4	Chair: Yi Liao	
15:40-16:20	Latest results from the muon g-2 experiment at Fermilab	Paolo Girotti
16:20-17:00	Search for electric dipole moments and axions/ALPS with polarized hadron beams in storage rings	Paolo Lenisa
17:00-17:40	Baryon CP violation measurement	Yanxi Zhang
17:40-18:00	Closing remark	

September 23rd, Tuesday, Meeting Room 7,

Nucleon helicity structure

Session-1	Chair: Emanuele Nocera	
08:30 - 08:55	Helicity dependent distribution functions of the proton and Λ and Σ^0 Baryons	Craig Roberts
08:55 - 09:15	Progress on constraining the strange quark contribution to the nucleon spin	Stephen Pate
09:15 - 09:35	Recent progress on inclusive quarkonium production and polarization	Xiangpeng Wang
09:35 - 09:55	Perspective on proton polarised parton distribution functions	Peng Cheng
09:55 - 10:20	Coffee Break	
Session-2	Chair: Stephen Pate	
10:20 - 10:40	Nucleon gluon PDF from lattice QCD	Liuming Liu
10:40 - 11:00	Total Gluon helicity from lattice	Dian-Jun Zhao
11:00 - 11:20	High-precision determination of quark spin in lattice QCD: A novel method	Zhicheng Hu
11:20 - 11:40	Pion and kaon fragmentation functions from continuum Schwinger function methods	Hui-Yu Xing
11:40 - 12:00	Fragmentation functions of charged hadrons at NNLO and constraints on the proton PDFs	XiaoMin Shen
12:00 - 14:00	Lunch	

September 24th, Wednesday, Meeting Room 7,

Nucleon helicity structure

Session-1	Chair: Craig Roberts	
08:30 - 08:55	Proton spin structure from a light-front Hamiltonian approach	Xingbo Zhao
08:55 - 09:20	Six-dimensional light-front Wigner distributions of the proton	Yirui Yang
09:20 - 09:45	The nucleon structure from an AdS/QCD model in the Veneziano limit	Defu Hou
09:45 - 10:05	Measurement of the transverse momentum dependent (TMD) longitudinal single-spin asymmetries of W boson at RHIC-STAR	Chao Wang

September 23rd, Tuesday, Meeting Room 3, Spin physics in nuclear reactions and nuclei		
Session-1	Chair: Shunzo Kumano	
14:00 - 14:25	Tensor-polarized parton distribution functions for spin-1 hadrons	Shunzo Kumano
14:25 - 14:50	Hidden-color effects in deuteron structure	Satvir Kaur
14:50 - 15:15	Role of reaction mechanisms in deuteron-proton elastic scattering at GeV energies	Nadezhda Ladygina
15:15 - 15:40	Nuclear effects on longitudinal-transverse structure function ratio	Shunzo Kumano
15:40 - 16:10	Coffee Break	
Session-2	Chair: Shunzo Kumano	
16:10 - 16:35	Status of experiments with polarized deuteron target at VEPP-3 electron storage ring	Dmitriy Toporkov
16:35 - 17:00	Spin studies with polarized beams at the nuclotron internal target	Vladimir Ladygin
17:00 - 17:25	Application of deep learning in polarized target nuclear magnetic resonance measurements	Devin Seay
17:25 - 17:50	Revealing proton spin polarization via hypertriton production in nuclear collisions	Daineng Liu

September 23rd, Tuesday, Qindao multi-function hall 1

Three-dimensional structure of the nucleon: TMDs

Session-1	Chair: Ting Lin	
08:30 - 09:00	The SoLID-TMD program at Jefferson Lab	Zhihong Ye
09:00 - 09:20	Fragmentation function studies at BESIII	Yateng Zhang
09:20 - 09:40	Spin asymmetries of eta mesons in polarized proton collisions at PHENIX	Devon Loomis
09:40 - 10:00	Measurement of transverse single spin asymmetry (A_N) of neutral pions (π^0) using transversely polarized $p^\uparrow p$ collisions at STAR	Ananya Paul
10:00 - 10:20	Coffee Break	
Session-2	Chair: Yuxiang Zhao	
10:20 - 10:50	Recent results on TMDs from the MAP collaboration	Alessandro Bacchetta
10:50 - 11:20	ART25 (a recent global TMD fit)	Valentin Moos
11:20 - 11:40	Transverse momentum dependent helicity distributions	Ke Yang
11:40 - 12:00	Transverse momentum dependent parton distributions and EicC projection	Hongxin Dong
12:00 - 14:00	Lunch	
Session-3	Chair: Alessandro Bacchetta	
14:00 - 14:20	Application of nuclear covariance matrix in nuclear TMD effects	Yiyu Zhou
14:20 - 14:40	Polarized TMD FFs with QCD evolution	Yu-kun Song
14:40 - 15:00	Precision predictions for three-dimensional nucleon tomography	Shen Fang
15:00 - 15:20	qT-slicing with multiple jets at the NNLO and NNLL TMD resummation on dijet production	Rong-Jun Fu
15:20 - 15:40	Nucleon tomography with 0-jettiness	Shuo Lin
15:40 - 16:00	Coffee Break	
Session- 4	Chair: Dingyu Shao	
16:00 - 16:20	Bjorken x weighted energy-energy correlators from the target fragmentation region to the current fragmentation region	Zihao Mi
16:20 - 16:40	One-point energy correlator inside jets	Zhan Wang
16:40 - 17:00	Unveiling the Collins effect in jets with one-point energy correlators	Wanchen Li
17:00 - 17:20	Fragmentation energy correlators	Shutao Zhang
17:20 - 17:40	Polarized energy-energy correlators in jet at STAR	Ting Lin

September 24th, Wednesday, Qindao multi-function hall 1

Three-dimensional structure of the nucleon: TMDs-1

Session-1	Chair: Zhihong Ye	
08:30 - 09:00	CLAS12 experiments with a transversely polarized target	Marco Contalbrigo
09:00 - 09:20	Central rapidity jet transverse single spin asymmetry measurements in proton-proton collisions with sPHENIX	Genki Nukazuka
09:20 - 09:40	Transverse single spin asymmetry of electromagnetic jets at forward rapidity in $p\uparrow+p$ Collisions at STAR	Weibin Zhang
09:40 - 10:00	Measurement of the transverse single spin asymmetry for forward neutral pions in (non-)diffractive like events at RHICf and STAR	Seunghwan Lee
10:00 - 10:20	Coffee Break	
Session-2	Chair: Yiyu Zhou	
10:20 - 10:40	Neutral meson transverse single spin asymmetries and prospects for the D^0 transverse single spin asymmetry in polarized proton collisions with sPHENIX	Devon Loomis
10:40 - 11:00	Energy independence of the Collins asymmetry in pp collisions	Yixin Zhang
11:00 - 11:20	First-principle calculation of Collins-Soper kernel from quasi-transverse-momentum-dependent wave functions	Jin-Xin Tan
11:20 - 11:40	Unifying the study of leading and sub-leading twist PDFs within Dyson-Schwinger equations approach	Chao Shi
11:40 - 14:00	Lunch	

September 24th, Wednesday, Meeting Room 8,

Three-dimensional structure of the nucleon: TMDs-2

Session-1	Chair: Valentin Moos	
08:30 - 09:00	Measurement of anti-quark Sivers asymmetry at FNAL-SpinQuest	Kenichi Nakano
09:00 - 09:20	Semi-inclusive deep inelastic scattering off a tensor-polarized spin-1 target	Jing Zhao
09:20 - 09:40	Exploring Sivers effects in SIDIS vector meson production	Ya-jin Zhou
09:40 - 10:00	Isolated photon single spin transverse single spin asymmetries with sPHENIX	Jaein Hwang
10:00 - 10:20	Coffee Break	
Session-2	Chair: Shuyi Wei	
10:20 - 10:40	Suppression of spin transfer to Λ in Deep Inelastic Scattering	Xiaoyan Zhao
10:40 - 11:00	Quenching of polarized jets	Wenhao Yao
11:00 - 11:20	Measurement of $\Lambda\bar{\Lambda}$ spin correlation in proton-proton collisions at STAR	Qinghua Xu
11:20 - 11:40	Measurement of transverse polarization of $\Lambda\bar{\Lambda}$ inside jets in unpolarized pp collisions at $\sqrt{s}=200$ GeV	Taoya Gao
11:40 - 12:00	Measurement of $\Lambda\bar{\Lambda}$ transverse polarization within jets in pp collisions at $\sqrt{s}=510$ GeV	Jinhao He
12:00 - 14:00	Lunch	

September 23rd, Tuesday, Meeting Room 9 ,

Three-dimensional structure of the nucleon: GPDs and form factors

Session-1	Chair: Paweł Sznajder	
08:30 - 08:50	Recent results of baryon electromagnetic form factors at BESIII	Mi Wang
08:50 - 09:10	A proposal to measure nucleon axial-vector form factor using polarized electron beam	Weizhi Xiong
09:10 - 09:30	Nucleon 3D intrinsic spin structure from the weak-neutral axial-vector form factors	Yi Chen
09:30 - 09:50	Probing meson structure via lattice QCD: EMFF at high Q^2 and GPD	Heng-Tong Ding
09:50 - 10:20	Coffee Break	
Session-2	Chair: Paweł Sznajder	
10:20 - 10:40	QED nuclear medium effects at EIC energies	Sasha Tomalak
10:40 - 11:00	Nucleon structure from basis light-front quantization : status and prospects	Chandan Mondal
11:20 - 11:40	Lattice calculation of baryon light-cone distribution amplitudes	Mu-hua Zhang
11:40 - 14:00	Lunch	
Session-3	Chair: Paweł Sznajder	
14:00 - 14:20	NPS experiments in Hall C at Jefferson Lab	Yaopeng Zhang
14:20 - 14:40	Unveiling nucleon GPDs through Drell-Yan processes	Wen-Chen Chang
14:40 - 15:00	Compton form factor extraction using quantum deep neural networks	Brandon Le
15:00 - 15:20	Recent developments in perturbative calculations on DVCS	Yao Ji
15:20 - 15:40	Heavy vector meson production adopting GPD method	Ya-Ping Xie
15:00 - 16:00	Coffee Break	
Session-4	Chair: Paweł Sznajder	
16:00 - 16:20	Equivalence principle and shear in exclusive and inclusive processes	Oleg Teryaev
16:20 - 16:40	Gravitational form factors from light front QCD	Xianghui Cao
16:40 - 17:00	Gravitational form factors in the perturbative limit	Qin-Tao Song
17:00 - 17:20	Gravitational and electromagnetic form factors of pion, kaon, and nucleon	Minghui Ding
17:20 - 17:40	Baryon-antibaryon generalized distribution amplitudes	Jing Han

September 24th, Wednesday, Meeting Room 7,

Low energy spin physics with lepton, photon and hadron probes

Session-1	Chair: Weizhi Xiong	
10:30 - 11:00	Experiments at MAMI/MESA	Sebastian Baunack
11:00 - 11:30	Electroweak precision test through single spin asymmetries at the EicC	Yong Du
11:30 - 12:00	Cosmic ray muon polarization to facilitate atmospheric neutrino physics	Jian Tang

September 23rd, Tuesday, Meeting Room 3,

Fundamental symmetries and spin physics beyond the standard model

Session-1	Chair: Peng Sun	
08:30 - 09:00	Search for CP violation with spin entangled hyperon-antihyperon pairs at BESIII	Hong-Fei Shen
09:00 - 09:20	Extremely strong evidence of CPV in baryon-anti-baryon production processes of heavy hadron decays	Zhen-Hua Zhang
09:20 - 09:40	Bell inequality violation of light quarks in dihadron pair production at lepton colliders	Bin Yan
09:40 - 10:00	Transverse spin effects and light-quark dipole moments at colliders	Xinkai Wen
10:00 - 10:20	Coffee Break	
Session-2	Chair: Bin Yan	
10:20 - 10:40	The search for electric dipole moments of charged particles in storage rings	Achim Andres
10:40 - 11:00	Linearly polarized photon fusion as a precision probe of the tau lepton dipole moments at lepton colliders	Fang Xu
11:00 - 11:20	Search for time-invariance violation in double polarized pd-, ^3He -d and dd-scattering and test of the pN spin amplitudes at high energies	Yuriy Uzikov
11:20 - 11:40	A new experimental proposal to search for T-violating μ^+ polarization in $K^+ \rightarrow \pi^0 \mu^+ \nu$ decay using stopped positive kaons at J-PARC	Suguru Shimizu
11:40 - 12:00	Toward the first experiments of T-violation search in neutron-induced compound nuclear reaction	Masataka Iinuma
12:00 - 14:00	Lunch	

September 24th, Wednesday, Meeting Room 3, Fundamental symmetries and spin physics beyond the standard model		
Session-1	Chair: Liuming Liu	
08:30 - 09:00	Lattice QCD calculation of nucleon EDM	Jian Liang
09:00 - 09:20	Accurate B meson and bottomonium masses and decay constants from the tadpole improved clover ensembles	Mengchu Cai
09:20 - 09:40	Nucleon energy correlators as a probe for light-quark dipole operators at the EIC	Haolin Wang
09:40 - 10:00	The production and decay dynamics of the charmed baryon Λ_c^+ in e^+e^- annihilations near threshold	Hao Sun
10:00 - 10:20	Coffee Break	
Session-2	Chair: Jian Liang	
10:20 - 10:40	Exploring exotic spin-dependent interactions beyond the standard model	Haiyang Yan
10:40 - 11:00	Measurement of residual μ^+ polarization in a CeF_3 material and timing resolution of a CeF_3 detector to search for T-violating μ^+ polarization in $K^+ \rightarrow \pi^0 \mu^+ \nu$ decay	Shungo Ide
11:00 - 11:20	Observation of a family of all-charm tetraquarks with spin-2 and positive parity	Xining Wang
11:20 - 11:40	Covariant L-S decomposition by spinor variable	Yi-Ning Wang
11:40 - 14:00	Lunch	

September 23rd, Tuesday, Meeting Room 7,

Acceleration, storage and polarimetry of polarized beams

Session-1	Chair: Zhe Duan	
14:00 - 14:25	A spin tune model for spin coherence time optimisation at storage rings	Rahul Shankar
14:25 - 14:50	Spin physics research infrastructure and technologies at NICA (SPRINT@NICA).	Vladimir Ladygin
14:50 - 15:15	Polarimetry of pulsed H ⁺ /D ⁺ ion beams: extended applicability of the Lamb-shift polarimeter	Simon Jakob Pütz
15:15 - 15:40	BNL alternating gradient synchrotron with four helical magnets to minimize the losses of the polarized proton beam	Nick Tsoupas
15:40 - 16:00	Coffee Break	
Session-2	Chair: Boxing Duan	
16:00 - 16:25	Development and testing of a 5 MeV Mott polarimeter for precision measurement of polarization for P2	Rakshya Thapa
16:25 - 16:50	Polarized beam studies for CEPC and BEPCII	Zhe Duan
16:50 - 17:15	Hadron free measurement of electron beam polarization	Valery Tyukin
17:15 - 17:40	Design and implementation of a laser Compton polarimeter at BEPCII-U	Mengyu Su

September 23rd, Tuesday, Meeting Room 8, Polarized ion and lepton sources and targets		
Session-1	Chair: Xiaqing Li	
14:00 - 14:20	Development of a polarized H^+/D^+ ion source at IMP	Yaojie Zhai
14:20 - 14:40	Development of a polarized H/D atom source for the EicC Project	Sheng Zhang
14:40 - 15:00	Upgrading polarized beam equipment at the JINR accelerator facility: Future prospects	Viktor Fimushkin
15:00 - 15:20	Status of the polarized gas target for the LHCspin project	Norihiro Doshita
15:20 - 15:40	Polarized solid target for possible future AMBER program at CERN	Norihiro Doshita
15:40 - 16:00	Coffee Break	
Session-2	Chair: Norihiro DOSHITA	
16:00 - 16:20	The b_1 polarized target experiment	Kenichi Nakano
16:20 - 16:40	Development of a polarized H/D gas target at IMP	Xiaorong Lv
16:40 - 17:00	$^3\text{He}/^4\text{He}$ dilution refrigerator, used to obtain ultra-low temperature (down to 25mK)	Ivan Gorodnov

September 24th, Wednesday, Meeting Room 9,

Future facilities and experiments

Session-1	Chair: Yuji Goto	
08:30 - 08:55	Exploring short-range correlations (SRC) in nuclei through hadronic probes at JINR	Maria Patsyuk
08:55 - 09:15	ePIC at the upcoming EIC	Win Lin
09:15 - 09:35	Projected high precision measurements on the spin structure g_1 at EIC	Win Lin
09:35 - 10:00	An overview of the upcoming Moller experiment at Jefferson Lab	Nguyen Huong
10:00 - 10:25	Coffee Break	
Session-2	Chair: Yuji Goto	
10:25 - 10:50	Detector development for EicC at HIAF	Aiqiang Guo
10:50 - 11:15	Hyperon-nucleon spectrometer (H-NS) at HIAF	Yuxiang Zhao
11:15 - 11:40	The progress of super tau charm facility (STCF) in China	Haiping Peng
11:40 - 12:05	Spin physics at HIAF	Boxing Gou
12:05 - 14:00	Lunch	

September 23rd, Tuesday, Meeting Room 8,

Application of spin and nuclear polarization techniques

Session-1	Chair: Junpei Zhang	
08:30 - 08:50	Polarized neutron application at the China spallation neutron source	Tianhao Wang
08:50 - 09:10	Current developments of polarized sources and polarimeter at FZ Jülich and further applications	Ralf Engels
09:10 - 09:30	Development of polarized solid target for nuclear physics experiment	Kenichiro Tateishi
09:30 - 09:50	New concept of general-purpose spectrometer with proton polarimeter function	Yutie Liang
09:50 - 10:10	Spin manipulation in atomic and molecular systems for nuclear spin applications	Chrysovalantis Kannis
10:10 - 10:25	Coffee Break	
Session-2	Chair: Kenichiro Tateishi	
10:25 - 10:45	Development of polarized ^3He at CSNS	Junpei Zhang
10:45 - 11:05	Design, control, and monitoring of the SpinQuest polarized target system	Jordan Roberts
11:05 - 11:25	PREFER polarization for fusion experiments and reactors: what is moving around the fusion with polarized fuel?	Giuseppe Ciullo
11:25 - 11:45	Effects of spin polarization on the proton-boron reaction	Wei Yang
11:45 - 12:05	Spin-polarized proton-boron ($p\text{-}^{11}\text{B}$) fusion: Pathways to clean energy	Zhi Li
12:05 - 14:00	Lunch	

September 23rd, Tuesday, Meeting Room 6,
Spin in heavy ion collisions

Session-1	Chair: Francesco Becattini	
08:30 - 09:00	A solvable model for spin polarizations with flow-momentum correspondence	Qun Wang
09:00 - 09:25	Spin polarization from hadrons to (anti-)(hyper-)nuclei in high-energy nuclear collisions	KaiJia Sun
09:25 - 09:45	Holographic spin alignment of vector mesons in magnetized plasma	Yan-Qing Zhao
09:45 - 10:05	Global quark spin correlations in relativistic heavy ion collisions	Ji-peng Lv
10:05 - 10:30	Coffee Break	
Session-2	Chair: Xiaozhi Bai	
10:30 - 11:00	Longitudinal and global polarization of hyperons in Run 3 Pb-Pb collisions with ALICE	Prottoy Das
11:00 - 11:20	Measurements of Λ , Ξ and Ω global polarization in Au+Au collisions at BES-II energies from RHIC-STAR	Tong Fu
11:20 - 11:40	Spin polarization at relativistic AA and pA collisions	Shi Pu
11:40 - 12:00	Determining spin effects in global equilibrium by quantum kinetic theory	Jian-Hua Gao
12:00 - 14:00	Lunch	
Session-3	Chair: Xu-guang Huang	
14:00 - 14:30	Measuring spin alignment of D^{*+} mesons in pp and Pb-Pb collisions with ALICE	Mingze Li
14:30 - 14:50	Hyperon local polarization in pPb collisions at CMS	Chenyan Li
14:50 - 15:10	Hydrodynamic effects on spin polarization in AA and pA collisions	Cong Yi
15:10 - 15:30	Relativistic dynamics of charmonia in strong magnetic fields	Yang Li
15:30 - 15:50	Coffee Break	
Session-3	Chair: Zhenyu Chen	
15:50 - 16:15	Color-field induced spin transport in high-energy nuclear collisions	Di-Lun Yang
16:15 - 16:40	An improved formula for spin polarization at local thermodynamic equilibrium	Xin-Li Sheng
16:40 - 17:00	Measurement of the J/ψ polarization in pp and Pb-Pb collisions with ALICE at the LHC	Xiaozhi Bai
17:00 - 17:20	Measurements of hyperon spin correlation in Au+Au collisions at BES-II energies at STAR	Xingrui Gou
17:20 - 17:40	Chiral phase transition and spin alignment of vector mesons with chiral imbalance in a rotating QCD medium	Sheng-Qin Feng
17:40 - 18:00	Spin alignment of vector mesons induced by spin density fluctuation	Kun Xu

September 24th, Wednesday, Meeting Room 6,

Spin in heavy ion collisions

Session-1	Chair: Qun Wang	
08:30 - 09:00	Relativistic spin hydrodynamics and spin polarization	Xu-Guang Huang
09:00 - 09:20	Hydrodynamic study of Λ spin polarization: from qualitative towards quantitative investigation	Baochi Fu
09:20 - 09:40	Physics-informed neural networks for angular-momentum conservation in computational relativistic spin hydrodynamics	Hidefumi Matsuda
09:40 - 10:00	Relativistic spin hydrodynamics with antisymmetric spin tensors and an extension of the Bargmann-Michel-Telegdi equation	Dong-Lin Wang
10:00 - 10:20	Coffee Break	
Session-2	Chair: Jinfeng Liao	
10:20 - 10:40	Is the shear induced spin polarization non-dissipative?	Jia-rong Wang
10:40 - 11:00	String tension and Polyakov loop in a rotating background	Jun-Xia Chen
11:00 - 11:20	Rapidity-spectral decomposition and spin dynamics in coupled Lorentz spacetime coordinates	Nikolai Akintsov
11:20 - 11:40	Global spin alignment of (anti-) ^4Li in non-central heavy-ion collisions	Yunpeng Zheng
11:40 - 12:00	Global tensor polarization of spin-3/2 hadrons and quark spin correlations in relativistic heavy-ion collisions	Zihan Yu
12:00 - 14:00	Lunch	

September 24th, Wednesday, Meeting Room 5,

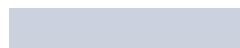
Quantum computing and artificial intelligence

Session-1	Chair: Yao Ji	
10:05 - 10:30	Quantum simulations of non-perturbative quantities in hadron scattering	Tianyin Li
10:30 - 10:55	Quantum computing of chirality imbalance in SU(2) gauge theory	Guofeng Zhang
10:55 - 11:20	Hadronic tensor in (1+1)-dimensional systems by quantum computing	Dairui Zou
12:00 - 14:00	Lunch	

Introduction of Qingdao

Qingdao (青島), a vibrant coastal city in eastern Shandong, is renowned for its red-roofed houses, green trees, blue seas, and golden beaches. Once a German concession from 1898 to 1914, the city retains a unique blend of European-style architecture and Eastern charm, with landmarks such as the Tsingtao Brewery standing as legacies of that era. Today, Qingdao is not only a major seaport and financial hub, but also a modern metropolis that bridges Asia and Europe through the Belt and Road Initiative.

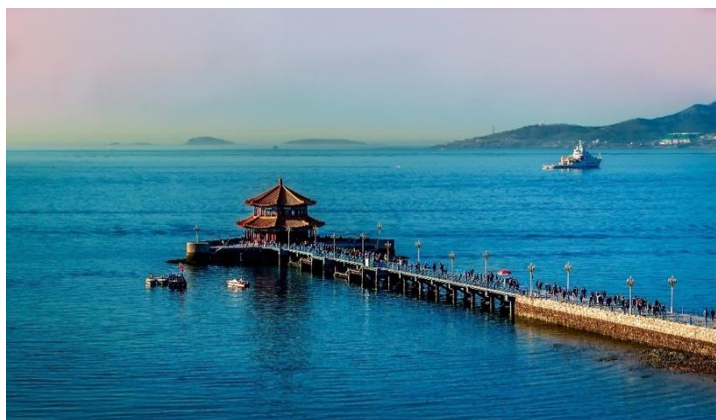
Qingdao attracts many tourists due to its seaside setting and temperate weather. Parks, beaches, sculptures and unique German and modern architecture line the shore. Visitors can wander along Zhanqiao Pier, admire the European-style villas in Badaguan, and enjoy the modern charm of May Fourth Square. For nature lovers, the majestic Laoshan Mountain and golden beaches offer the perfect escape, blending history, culture, and seaside leisure in one unforgettable destination.



Tourism Information

Qingdao's major attractions include:

Zhanqiao Pier, a historic landmark built in 1891, stretches into Qingdao Bay facing Xiaqingdao Island. It connects to Zhongshan Road and offers stunning coastal views near Qingdao Railway Station.



Qingdao Olympic Sailing Center, host of the 2008 Olympic sailing events, is nestled against a modern skyline and surrounded by clear waters. Today it serves as a vibrant waterfront destination for sailing, cultural activities, and stunning seaside views.



Laoshan Mountain, the highest coastal peak in China, is renowned for its Taoist cultural heritage and breathtaking mountain-sea scenery. It offers four main tourist routes: Jufeng is famous for its majestic summit, Taqing for its ancient Taoist temples, Yangkou for its coastal cliffs and sea views, and Beijiushui for its valleys, streams and waterfalls. Together, they showcase the unique blend of nature, culture and spirituality of Laoshan.



May Fourth Square, spanning 10 hectares between Qingdao's Municipal Building and Fushan Bay, commemorates the city's role in the 1919 May Fourth Movement. Its iconic centerpiece is the 30-meter red steel sculpture Wind of May, symbolizing patriotic spirit and modernity.



No.1 Bathing Beach, nestled in Huiquan Bay with golden sands and clear calm waters, has been a renowned coastal retreat for over a century. It uniquely blends historic villas and modern high-rises, reflecting Qingdao's architectural charm.



Tsingtao Beer Museum, on the old site of the Tsingtao Brewery Company established in 1903, the China's first brewing factory. The museum has integrated Tsingtao's century-long history with its brewing technology and modern production lines, combining culture, history, industry and entertainment.



World War I Heritage Museum, currently the only museum in China depicting the impact of World War I on China's history, including three themes: The German Occupation of Qingdao, The German-Japanese War, Qingdao's Liberation.



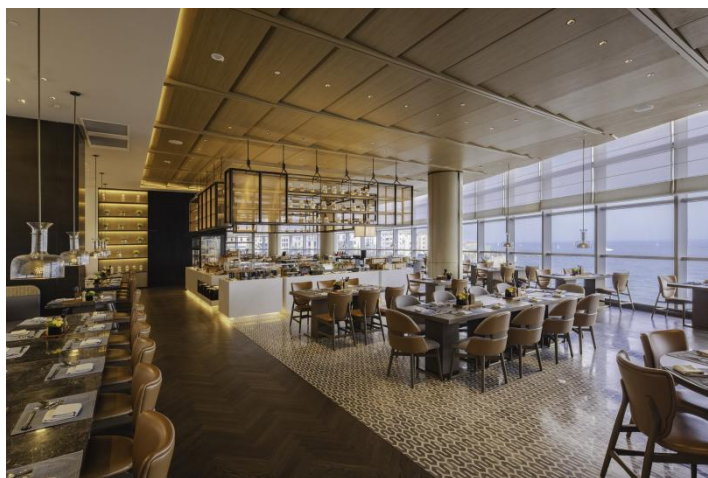
Signal Hill (Xinhao Shan) is a famous scenic spot in Qingdao, offering panoramic views of the city, sea, and red-roofed German-style architecture. Known for its historic significance, the hill features a distinctive signal tower used during the colonial era. Nearby, the Governor's Mansion (Zongdufu), a grand German colonial building, showcases exquisite European design and historical charm. Together, these landmarks highlight Qingdao's unique blend of Chinese culture and German heritage, making them must-visit destinations for history and architecture enthusiasts.



Restaurant in Haitian Hotel

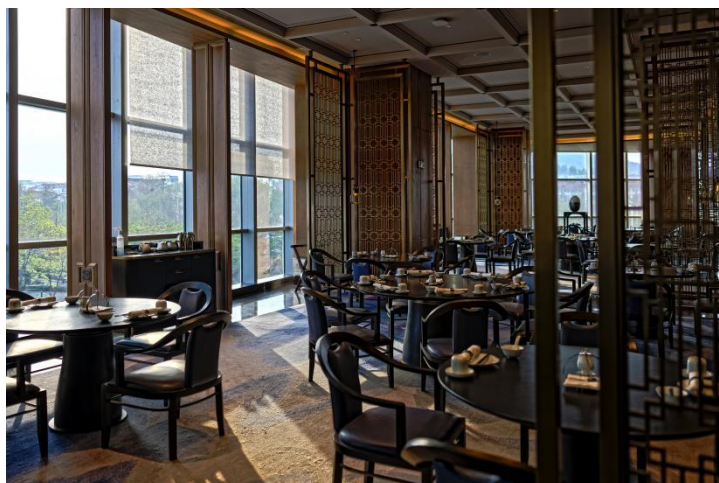
2F, Cafe 1988 (Buffet)

- ◆ Breakfast: 6:30 - 10:00 (free meals with your room cards)
- ◆ Lunch: 11:30 - 14:00 (300 CNY with your badge)
- ◆ Dinner: 17:30 - 21:00 (300 CNY with your badge)



3F, Yanhaige Chinese Restaurant (Seafood, Qingdao and Shandong cuisine)

- ◆ Lunch: 11:30 - 14:00 (main hall offers a 5% discount with the badge. Private rooms are not eligible for this discount.)
- ◆ Dinner: 17:30 - 21:00 (main hall offers a 5% discount with the badge. Private rooms are not eligible for this discount.)



Restaurant in Haitian Hotel

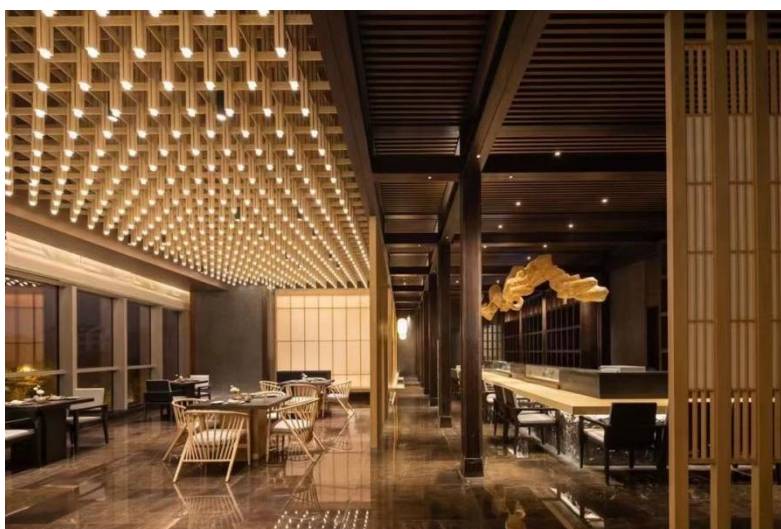
5F, **Haitian No.1** (Steaks, bars, light meals)

- ◆ Dinner: 16:00 - 0:30 (5% discount with the badge)



5F, **Sunshine Japanese Restaurant** (Japanese Cuisine, Teppanyaki)

- ◆ Lunch: 11:30 - 14:00 (main hall offers a 5% discount with the badge. Private rooms are not eligible for this discount.)
- ◆ Dinner: 17:30 - 21:00 (main hall offers a 5% discount with the badge. Private rooms are not eligible for this discount.)





Conference Notes



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