Session Program

15–21 Nov 2026



The 10th International Conference on Chirality, Vorticity and Magnetic Fields in Quantum Matter (chirality 2026)

Plenary

Dehan Hotel(□□□□□)
No 2 Jida Road, Xiangzhou district, Zhuhai

Monday 16 November

08:00

Plenary

Session | **Location:** Guo Hui Hall

08:00–08:30 **opening address**

08:30–09:00

Global spin polarizations and correlations in relativistic heavy ion collisions

Speaker
Zuo-tang Liang

09:00–09:30 **Recent polarization results from CMS**

Speaker
Zhenyu Chen

09:30–10:00 **Recent highlights on particle polarization measurements with ALICE**

Speaker
Prof. Xiaoming Zhang

10:00

10:30

Plenary

Session | **Location:** Guo Hui Hall

10:30–11:00 **Pseudo-gauge problem from the nucleon to the hydrodynamics**

Speaker
Kenji Fukushima

11:00–11:30 **Spin as a Unifying Theme in QCD**

Speaker
Jinfeng Liao

11:30–12:00 **Rotation and acceleration effects on QCD phase transitions**

Speaker
Xu-Guang Huang

12:00–12:30 **Recent highlights of chirality and vorticity effects at LHC-ALICE**

Speaker
Qiye Shou

12:30

14:00

Plenary

Session | **Location:** Guo Hui Hall

14:00–14:30

A partial and critical look at spin polarization theory in heavy-ion collisions

Speaker
Francesco Becattini

14:30–15:00 **QCD matter with magnetic field and rotation**

Speaker
Defu Hou

15:00–15:30 **Non-Abelian quantum kinetic theory**

Speaker
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15:30–16:00
From strong-field fluctuations to hyperon spin correlation in high-energy AA collisions

Speaker
Dr Xin-Li Sheng

16:00

16:30

Plenary

Session | **Location:** Guo Hui Hall

16:30–17:00
From Linear Modes to Nonlinear Dynamics in Relativistic Hydrodynamics

Speaker
Koichi Hattori

17:00–17:30 **CEP enhanced spin polarization**

Speaker
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17:30–18:00
Thermodynamics of Dirac fermions at finite spin density in a boost-invariant fluid

Speaker
Andrea Palermo

18:00–18:30 **Non-equilibrium corrections to the Wigner function at freeze-out**

Speaker
Daniele Roselli

18:30

Tuesday 17 November

08:30

Plenary

Session | **Location:** Guo Hui Hall

08:30–09:00 **Spin polarization in unpolarized nuclear collisions from RHIC to EIC**

Speaker
Xin-Nian Wang

09:00–09:30 **Imaging the longitudinal structure of the QGP using different shaped nuclei**

Speaker
Jiangyong Jia

09:30–10:00 **Overview of Recent Numerical Studies of Spin Polarization**

Speaker
Cong Yi

10:00

10:30

Plenary

Session | **Location:** Guo Hui Hall

10:30–11:00 **Thermodynamics of spin-1/2 particles at second order in Planck's constant: pseudo-gauges and Maxwell relations**

Speaker
Dirk Rischke

11:00–11:30 **Experimental search for the chiral magnetic effect: A Perspective.**

Speaker
Fuqiang Wang

11:30–12:00 **Recent STAR results on CME searches from the BES program**

Speaker
Jinhui Chen

12:00–12:30 **Spin Polarizations of Light (Hyper-)Nuclei in Tilted Nuclear Matter**

Speaker
KaiJia Sun

12:30

14:00

Plenary

Session | **Location:** Guo Hui Hall

14:00–14:30 **Challenges and Opportunities for Experimental Studies of QCD Chirality Effect**

Speaker
Huan Zhong Huang

14:30–15:00 **Hot and Magnetized QCD Matter: Recent Lattice Results**

Speaker
Heng-Tong Ding

15:00–15:30 **Out-of-equilibrium properties of the CME and the CSE**

Speaker
Eduardo Garnacho-Velasco

15:30–16:00
Thermal Dileptons and phi/K^*0 spin alignment in hot magntized QCD matter

Speaker
Prof. xinyang wang

16:00

16:30

Plenary

Session | **Location:** Guo Hui Hall

16:30–17:00 **Vortex states as a novel tool for particle physics**

Speaker
Prof. Igor Ivanov

17:00–17:30 **A roadmap for vortex particle accelerators**

Speaker
Dmitry Karlovets

17:30–18:00 **Hyperon-Nucleon Spectrometer at HIAF**

Speaker
Aiqiang GUO

18:30

Friday 20 November

08:30

Plenary

Session | **Location:** Guo Hui Hall

08:30–09:00 **Spin hydrodynamics - recent results**

Speaker
Wojciech Florkowski

09:00–09:30 **Baryon Junction: a new frontier**

Speaker
Zhangbu Xu

09:30–10:00
Initial-state and non-equilibrium effects on spin transport in nuclear collisions

Speaker
Di-Lun Yang

10:00

10:30

Plenary

Session | **Location:** Guo Hui Hall

10:30–11:00 **Spin kinetic theory from algebra**

Speaker
Prof. yi yin

11:00–11:30
Scaling as a Precision Tool for Early-Time QCD Dynamics: From Baryon Transport to Chiral Charge Separation

Speaker
Roy Lacey

11:30–12:00 **Spin Polarization and Correlation in pp Collisions**

Speaker
Jinlong Zhang

12:00–12:30
Quantum Metric in Relativistic Matter: From Chiral Kinetic Theory to Color Superconductivity

Speaker
Kazuya Mameda

12:30–12:35 **Next CHIRALITY**

12:35