Session Program

15–21 Nov 2026



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

Parallel 1

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

Wednesday 18 November

09:00

Parallel 1

Session | **Location:** Guo Hui Hall

09:00–09:20

Isolating charge separation in Au+Au collisions at 200 GeV in search of the chiral magnetic effect via comprehensive background subtraction

Speaker

□□ □

09:20–09:40

Mesons and constituent quarks in weak magnetic field: Yukawa potential and other consequences

Speaker

Fabio Braghin

09:40–10:00

Rotation catalyzed chiral magnetovortical instability

Speaker

□ □

10:00–10:20

Kinetic Angular momentum of rotating Dirac fermions under a magnetic field

Speaker

Zhe Fang

10:25

10:55

Parallel 1

Session | **Location:** Guo Hui Hall

10:55–11:15

Causality, trace anomaly, and entanglement viscosity in accelerated systems

Speaker

Georgy Prokhorov

11:15–11:35

Spatial confinement-deconfinement transition in rotating and accelerating QGP within lattice simulation

Speaker

Artem Roenko

11:35–11:55

Spin contribution to Faraday effect in a non-relativistic magnetized plasma

Speaker

Sota Hanai

11:55–12:15

Non-interacting fermions under rotation on the lattice

Speaker

Eduardo Garnacho-Velasco

12:15

14:00

Parallel 1

Session | **Location:** Guo Hui Hall

14:00–14:25

A Chromomagnetic Mechanism for the Rotational Phase Transition of Gluonic Matter

Speaker
Yidian Chen

14:25–14:45

Determining NJL Coupling Constants, Anomalous Magnetic Moments, and Meson Masses in Magnetized QCD Matter via Machine Learning

Speaker
□□ □

14:45–15:05

Drell-Yan process under an external magnetic field with full Landau levels

Speaker
□□ □□

15:20

15:50

Parallel 1

Session | **Location:** Guo Hui Hall

15:50–16:10

Spin-orbit angular momentum conversion in relativistic spin hydrodynamics with physics-informed neural networks

Speaker
Hidefumi Matsuda

16:10–16:30

Linear causality and stability constraints on relativistic second-order magnetohydrodynamics

Speaker
□□ □

16:30–16:50

Lie–Poisson Formulation of Dissipative Spin Hydrodynamics

Speaker
Zihao Liu

16:50–17:10

Second-order relativistic dissipative spin hydrodynamics from kinetic theory

Speaker
Pushpa Panday

17:10

Thursday 19 November

09:00

Parallel 1

Session | **Location:** Guo Hui Hall

09:00–09:20

Data-Driven Constraints on Chiral Magnetic Transport in Heavy-Ion Collisions

Speaker

□□

09:20–09:40

Probing Chiral-Imbalance Fluctuations with Differential ΛΛ Spin Correlations

Speaker

Guangyu Zheng

09:40–10:00

Measurement of hyperon spin correlation in pp and pPb collisions at CMS

Speaker

Jieke Wang

10:00–10:20

Optimal observables for the chiral magnetic effect from machine learning

Speaker

□□ □

10:20

10:50

Parallel 1

Session | **Location:** Guo Hui Hall

10:50–11:10

All Pseudo-Gauges Are Equivalent—but Are They Thermodynamically Equivalent?

Speaker

Masoud Shokri

11:10–11:30

Relativistic Spin Hydrodynamics with Antisymmetric Spin Tensors and an Extension of the Bargmann-Michel-Telegdi Equation

Speaker

□□ □

11:30–11:50

Dissipative spin hydrodynamics with thermal fluctuations

Speaker

SEJAL SINGH

12:10

14:00

Parallel 1

Session | **Location:** Guo Hui Hall

14:00–14:20

Spin polarization from heavy-ions to OO collisions

Speaker
Francesco Palli

14:20–14:40 **Spin Polarization of Quarks via Synchrotron Radiation in HIC**

Speaker
yan guowei

14:40–15:00 **Deformed moving quarkonium in a Quark-Gluon-Plasma**

Speaker
Zhishun(□□) Chen(□)

15:00–15:20
From spin-1/2 to spin-1: building the foundations of perfect spin hydrodynamics

Speaker
Valeriya Mykhaylova

15:20–15:40 **Late-time attractors in relativistic spin hydrodynamics in Gubser flow**

Speaker
□□

15:40