Session Program

15–21 Nov 2026



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

Parallel 2

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

Wednesday 18 November

09:00

Parallel 2

Session | **Location:** Guo Xing Hall

09:00–09:25 **Spin alignment in QCD Matter: From puzzles to probes**

Speaker
Shuai Liu

09:25–09:45 **spin alignment from anisotropic distribution**

Speaker
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09:45–10:05 **Tensor spin polarization of vector mesons within Zubarev formalism**

Speaker
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10:05–10:25 **Shear distorted quarkonium and spin alignment**

Speaker
yu peiwei

10:25

10:55

Parallel 2

Session | **Location:** Guo Xing Hall

10:55–11:15 **Spin polarization of Λ hyperons from dissipative spin hydrodynamics**

Speaker
Dr David Wagner

11:15–11:35
Measurement of spin correlation of Λ-(anti)Λ pairs inside jets in p+p collisions at RHIC

Speaker
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11:35–11:55 **Bottomonium spin alignment in a hot medium**

Speaker
Shuo Fang

11:55–12:15
Anisotropic chromo-field fluctuations and spin alignment of quarkonia

Speaker
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12:15

14:00

Parallel 2

Session | **Location:** Guo Xing Hall

14:00–14:20 **Spin polarization as an effective probe for QCD EoS?**

Speaker
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14:20–14:40
Global Polarization of Hyperons in Au+Au Collisions at RHIC BES-II Energies

Speaker
Mr □ □

14:40–15:00
Correlation between flows and polarization and global polarization of hyperons

Speaker
Gen-Hui Li

15:00–15:20
The spin polarization of Lambda hyperon from nucleon-nucleon scattering in low-energy collision

Speaker
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15:20

15:50

Parallel 2

Session | **Location:** Guo Xing Hall

15:50–16:10
Wigner-function formalism in curved space-time at higher order in hbar

Speaker
Annamaria Chiarini

16:10–16:30
Polarization of massive spin-3/2 particles in a relativistic fluid at local thermodynamic equilibrium

Speaker
Andrea Vignoli

16:30–16:50 **Entropy Current for Massive spin half particles**

Speaker
Jeremy Hansen

16:50–17:10 **Is the shear induced spin polarization non-dissipative?**

Speaker
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17:10

Thursday 19 November

09:00

Parallel 2

Session | **Location:** Guo Xing Hall

09:00–09:20

Bubble dynamics and gravitational wave spectrum from first-order QCD phase transitions

Speaker
Prof. Hong □□□ Mao (□)

09:20–09:40

Nonlinear Response and Correlators of Charge Transport

Speaker
Mr Jin Hu

09:40–10:00

Magnetic Topological Insulators as a Laboratory for Non-Standard Axion Electrodynamics

Speaker
Miklos Horvath

10:00–10:20

Chiral and U(1)A symmetries in background magnetic fields from lattice QCD

Speaker
José Javier Hernández Hernández

10:20

10:50

Parallel 2

Session | **Location:** Guo Xing Hall

10:50–11:10

Scattering processes with Laguerre-Gaussian states

Speaker
Yaoqi Yang

11:10–11:30

Breit inetraction between vortex electrons and atoms

Speaker
Pengcheng Zhao

11:30–11:50

U(1)A Symmetry Breaking in three flavor Nambu-Jona-Lasinio Model

Speaker
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11:50–12:10

Topological charge density in a polarized nucleon

Speaker
Tomoya Uji

12:10

14:00

Parallel 2

Session | **Location:** Guo Xing Hall

14:00–14:20

Near-Light-Cone Nonhydrodynamic Structure from Boosted Hydrodynamics

Speaker
Navid Abbasi

14:20–14:40

Dynamical fluctuations of net-baryon density near the QCD critical point

Speaker
Shanjin Wu

14:40–15:00

Isospin-Driven Splitting of Chemical Potentials in Isobar Collisions from Lattice QCD

Speaker
Jia Ni

15:00–15:20

Azimuthal Asymmetries in Dipion Production in Ultraperipheral Collisions

Speaker
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15:20–15:40

Relativistic spin structure of a nucleon in QCD

Speaker
Yi Chen

15:40