

## **Session Program**

**22-27 Mar 2026**

The 22<sup>nd</sup> International Conference on  
**Strangeness in Quark Matter**  
22-27 March, 2026, Los Angeles, CA



**SQM2026**

***Parallel IV: Chirality, Vorticity and  
Polarization***

## Tuesday 24 March

08:45

### Parallel IV: Chirality, Vorticity and Polarization: 4a

Session | Location: University of California - Los Angeles Los Angeles, California

08:45-09:05  **$\Lambda$  polarization measurements at LHCb**

**Speaker**

James Daniel Brandenburg

09:05-09:25

### Local spin polarization by color-field correlators and momentum anisotropy

**Speaker**

Haesom Sung

09:25-09:45

### Hyperon Spin Observables in Au+Au Collisions at RHIC BES-II: Global and Local Polarization, Spin Correlations

**Speaker**

Tong Fu

09:45-10:05 **Local Lambda polarization in light-ion with ALICE at LHC**

**Speaker**

ALICE Collaboration

10:05-10:25

### Global $\Lambda$ Polarization Without Vorticity: Insights from a 50-Year Spin Puzzle

**Speaker**

Feng Liu

10:25

10:55

### Parallel IV: Chirality, Vorticity and Polarization: 4b

Session | Location: University of California - Los Angeles Los Angeles, California

10:55-11:15

### Flow of electromagnetic probes as a magnetometer in high-energy heavy-ion collisions

**Speaker**

Nicholas J. Benoit

11:15-11:35

### Influence of the residual magnetic field on the azimuthal distribution of final-state particles in photonuclear processes

**Speaker**

Zhan Zhang

11:35-11:55 **Momentum Anisotropy from Resistive Magnetohydrodynamics**

**Speaker**

Khwahish Kushwah

	11:55-12:15	<b>Self-energy corrections for quantum kinetic theory and spin polarization</b>
	Speaker	Di-Lun Yang
12:35	12:15-12:35	<b>Spin-dependent azimuthal asymmetry of coherent <math>\text{J}/\psi</math> photoproduction in peripheral PbPb collisions with CMS</b>
	Speaker	Xueli Hua
14:15	<b>Parallel IV: Chirality, Vorticity and Polarization: 4c</b>	Session   Location: University of California - Los Angeles Los Angeles, California
	14:15-14:35	<b>Chiral transport and its dependence on collision beam energy</b>
	Speaker	Jinfeng Liao
	14:35-14:55	<b>Searching for CME with Transformers</b>
	Speaker	Aihong Tang
	14:55-15:15	<b>Differential measurements of <math>\phi</math>-meson global spin alignment and off-diagonal spin density matrix elements in Au+Au collisions at STAR</b>
	Speaker	Gavin Wilks
	15:15-15:35	<b>Global Polarization and Vector Meson Production with ALICE</b>
	Speaker	Prottay Das
15:55	15:35-15:55	<b>Advances in Measuring Global Spin Density Matrix Elements of Vector Mesons in Heavy-Ion Collisions</b>
	Speaker	Zhenyu Ye