

Session Program

15-19 Oct 2026

**The 2026 Zhuhai Particle Physics and
Cosmology Symposium (ZPCS 2026): Early
Universe, Phase Transitions and
Fundamental Symmetries**

Plenary Talks (1) (Room C103)

Friday 16 October

09:00

Plenary Talks (1) (Room C103)

Session | **Location:** Room C103 | **Convener:** Xiao-Gang He

09:00–09:25 **What is a Strong First Order Electroweak Phase Transition?**

Speaker

Michael J. Ramsey-Musolf

09:25–09:50 **AI4Physics: Beyond the Telescope**

Speaker

Qing-Hong Cao

09:50–10:15 **Constraining neutrinophilic scalars using muon decays**

Speaker

Yongchao Zhang

10:15

10:45

Plenary Talks (1) (Room C103)

Session | **Location:** Room C103 | **Convener:** Chengcheng Han

10:45–11:10 **Leptogenesis Determined By Low Energy Parameters**

Speaker

Xiao-Gang He

11:10–11:35 **Recent progress of Leptogenesis**

Speaker

Wei Chao

11:35–12:00

Gravitational Waves from Dark Sectors: Gauge-Independent Predictions and AI-Assisted Exploration

Speaker

Wan-Zhe Feng

12:00

14:00

Plenary Talks (1) (Room C103)

Session | **Location:** Room C103 | **Convener:** Haolin Li

14:00–14:25 **Quantum Information at High Energy Colliders**

Speaker

Xiaoping Wang

14:25–14:50 **Dihadron Fragmentation as a Spin Analyzer at Lepton Colliders**

Speaker

Prof. Bin Yan

14:50–15:15 **Energy correlators: positivity**

Speaker

Minho Son

15:15-15:40

The Higgs Study of the 2HDM+S under LHC and precision measurement

Speaker

Wei Su

15:40