



# The Fourth International Conference on Axion Physics and Experiment (Axion 2025)

## Monday 28 July 2025

**Morning Session: I - 玄武厅 (08:30-10:00)**

-Conveners: Yongchao Zhang		
time	[id] title	presenter
08:30	[14] PQ-quality and scale hierarchy of extra-dimensional axions	Prof. Kiwoon Choi
09:00	[27] Model of the quintessence axion	Prof. Jinwei Wang
09:30	[30] Axion from topological defects	Prof. Ligong Bian

**Morning Session: II - 玄武厅 (10:30-12:00)**

-Conveners: Yu Gao		
time	[id] title	presenter
10:30	[3] Searching for Solar and Reactor Axions with XENONnT and RELICS	Jingqiang Ye
11:00	[24] Dark photon dark matter search at the TASEH experiment	Prof. Jinmian Li
11:30	[2] Gravitational Wave Birefringence in Fuzzy Dark Matter and Symmetron Cosmology	Da Huang

# Tuesday 29 July 2025

**Morning Session: III - 玄武厅 (08:30-10:00)**

-Conveners: Yuichiro Nakai		
time	[id] title	presenter
08:30	[20] Laboratory enhanced searches for decaying axion dark matter	Nick Houston
09:00	[16] Are axion solutions to the CP problem fine-tuned?	Prof. Andrew Fowlie
09:30	[33] Reconciling Neutrino Mass Bounds with Strongly Self-Interacting Dark Radiation	Christina Gao

**Morning Session: IV - 玄武厅 (10:30-12:30)**

-Conveners: Hong Zhang		
time	[id] title	presenter
10:30	[37] Dynamics of multi-vacuum from stochastic axion fragmentation	Yun Jiang
11:00	[23] Search for Millicharged dark matter via Multimessenger Time-Delay Analysis of GRB GW170817A	Dr Wenxing Zhang
11:30	[28] Current status of the Muon g-2 and EDM	Kim Siang Khaw
12:00	[39] Generation of Axions and Axion-Like Particles through Mass Parametric Resonance induced by Scalar Perturbations in the Early Universe	Prof. Qiaoli Yang

# Wednesday 30 July 2025

**Morning Session: V - 聚星厅 (09:00-10:30)**

-Conveners: Yongchao Zhang		
time	[id] title	presenter
09:00	[10] Search for Axion Dark Matter with the TASEH experiment	Prof. Yuan-Hann Chang
09:30	[35] The EDM inverse problem: identifying the sources of CP violation and PQ breaking with EDMs	Sang Hui Im
10:00	[9] Laser-assisted search for axion-like particle or dark photon in strong-field QED	Prof. Tong Li