The 7th Peng Huanwu Young Scientists' Forum on Theoretical Physics and Interdisciplinary Studies

Report of Contributions

Contribution ID : **1** Type : **not specified**

Opening Remarks Shan-Gui Zhou

Monday, 9 February 2026 09:00 (15)

Contribution ID : **2** Type : **not specified**

Bao-Nian Wan

Monday, 9 February 2026 09:15 (60)

Contribution ID : **3** Type : **not specified**

Group Photo & Coffee Break

Contribution ID : **4** Type : **not specified**

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Monday, 9 February 2026 10:45 (60)

Contribution ID : **5** Type : **not specified**

Lunch Meeting (Recruitment Consultation)

Contribution ID : **6** Type : **not specified**

Multiple Layer-Selective Polar Charge Density Waves in EuTe4 Wen-Han Dong

Monday, 9 February 2026 13:30 (30)

Contribution ID : **7** Type : **not specified**

Advancing Particle Physics with Generalized Symmetries Ling-Xiao Xu

Monday, 9 February 2026 14:00 (30)

Contribution ID : **8** Type : **not specified**

Anomaly Cancellation in Type I String via Differential KO Theory Hao Zhang

Monday, 9 February 2026 14:30 (30)

Contribution ID : **9** Type : **not specified**

Coffee Break

Contribution ID : **10** Type : **not specified**

Ab Initio Charge Form Factors and Radii of Light Nuclei Xiang-Xiang Sun

Monday, 9 February 2026 15:15 (30)

Contribution ID : **11** Type : **not specified**

Machine Learning Approaches to Invisible Higgs Boson Decays at the LHC Jia-Bao Guo

Monday, 9 February 2026 15:45 (30)

Contribution ID : **12** Type : **not specified**

Cosmological Imprints of Physics Beyond the Standard Model Fei Huang

Monday, 9 February 2026 16:15 (30)

Contribution ID : **13** Type : **not specified**

Gravitational Wave Cosmology: From Black Holes to Dark Matter（Chen Yuan）（On Line）

Tuesday, 10 February 2026 09:00 (30)

Contribution ID : **14** Type : **not specified**

Exploring Mixed-State Quantum Phases via Analytical Tensor Networks Yu-Han Liu

Tuesday, 10 February 2026 09:30 (30)

Contribution ID : **15** Type : **not specified**

Quantum Automated Theorem Proving Zheng-Zhi Sun

Tuesday, 10 February 2026 10:00 (30)

Contribution ID : **16** Type : **not specified**

Coffee Break

Contribution ID : **17** Type : **not specified**

Quantum Phases in Statistical Ensembles - Symmetry and Topology（Ruo-Chen Ma）（On Line)

Tuesday, 10 February 2026 10:45 (30)

Contribution ID : **18** Type : **not specified**

Interacting Topological Phases of Matter: Classification and Quantum Anomaly Shang-Qiang Ning

Tuesday, 10 February 2026 11:15 (30)

Contribution ID : **19** Type : **not specified**

Quantum-Geometric Dipole: A Topological Boost to Flavor Ferromagnetism in Flat Bands Lei Chen On Line)

Tuesday, 10 February 2026 11:45 (30)

Contribution ID : **20** Type : **not specified**

Lunch Break

Contribution ID : **21** Type : **not specified**

Strange Metal and Superconductor in the Two-Dimensional Yukawa-Sachdev-Ye-Kitaev Model（Chen-Yuan Li（On Line)

Tuesday, 10 February 2026 13:30 (30)

Contribution ID : **22** Type : **not specified**

The Analytic Functional in the Conformal Bootstrap Ze-Chuan Zheng

Tuesday, 10 February 2026 14:00 (30)

Contribution ID : **23** Type : **not specified**

phi^4 in AdS3/CFT2 Wei-Chen Xiao

Tuesday, 10 February 2026 14:30 (30)

Contribution ID : **24** Type : **not specified**

Threshold Effects on the Massless Neutrino in the Canonical Seesaw Mechanism（Di Zhang）（On Line)

Tuesday, 10 February 2026 15:15 (30)

Contribution ID : **25** Type : **not specified**

Cosmological Bootstrap and de-Sitter Space（Jia-Jie Mei（On Line)

Tuesday, 10 February 2026 15:45 (30)

Contribution ID : **26** Type : **not specified**

Cosmological Tensions and Interactions Between Dark Baryons and Dark Axion Meng-Xiang Lin

Tuesday, 10 February 2026 16:15 (30)