

3rd Topics of Particle, Astro and Cosmo Frontiers (TOPAC 2025)

Report of Contributions

Contribution ID: 1

Type: **not specified**

SRF Cavity Search for Dark Photon

Sunday, 8 June 2025 08:30 (25 minutes)

Presenter: SHU, Jing (PKU)

Session Classification: Plenary Session 3

Contribution ID: 2

Type: **not specified**

LHCb 实验最新进展

Saturday, 7 June 2025 08:30 (25 minutes)

Presenter: QIAN, Wenbin (University of Chinese Academy of Sciences)

Session Classification: Plenary Session 1

Contribution ID: 3

Type: **not specified**

Discovery of glueball-like particle X(2370) at BESIII

Saturday, 7 June 2025 08:55 (25 minutes)

Presenter: HUANG, Yanping (IHEP)

Session Classification: Plenary Session 1

Contribution ID: 4

Type: **not specified**

The fermion mass hierarchy problem

Saturday, 7 June 2025 10:20 (25 minutes)

Presenter: VOLKAS, Raymond (The University of Melbourne)

Session Classification: Plenary Session 2

Contribution ID: 5

Type: **not specified**

Asymptotic Grand Unified Models

Saturday, 7 June 2025 10:45 (25 minutes)

Presenter: DEANDREA, Aldo (IP2I, University of Lyon 1)

Session Classification: Plenary Session 2

Contribution ID: 6

Type: **not specified**

Composite dark matter from confining hidden gauge sectors and direct detection prospects

Saturday, 7 June 2025 11:10 (25 minutes)

Presenter: PASECHNIK, Roman (Lund university)

Session Classification: Plenary Session 2

Contribution ID: 7

Type: **not specified**

The central cusps in dark matter halos: fact or fiction?

Saturday, 7 June 2025 11:35 (25 minutes)

Presenter: BAUSHEV, Anton (Joint Institute for Nuclear Research, Dubna, Russia)

Session Classification: Plenary Session 2

Contribution ID: 8

Type: **not specified**

How to detect the Higgs mechanism in the dark sector

Saturday, 7 June 2025 14:00 (20 minutes)

Presenter: ZHANG, Mengchao (Jinan University)

Session Classification: Parallel Session 1a: Collider

Contribution ID: 9

Type: **not specified**

Pinning down the charm Yukawa coupling at the LHC

Saturday, 7 June 2025 14:20 (20 minutes)

Presenter: QIAN, Zhuoni (Hangzhou Normal University)

Session Classification: Parallel Session 1a: Collider

Contribution ID: **10**

Type: **not specified**

Higgs-strahlung at the LHC in the inert doublet model

Saturday, 7 June 2025 14:40 (20 minutes)

Presenter: ZHANG, Yu

Session Classification: Parallel Session 1a: Collider

Contribution ID: 11

Type: **not specified**

A C++ program for estimating detector sensitivities to long-lived particles: displaced decay counter

Saturday, 7 June 2025 15:00 (20 minutes)

Presenter: WANG, Zeren Simon (Hefei University of Technology)

Session Classification: Parallel Session 1a: Collider

Contribution ID: 12

Type: **not specified**

Confront a dilaton model with the LHC measurements

Saturday, 7 June 2025 15:20 (15 minutes)

Presenter: WU, Jinger (中国科学院大学物理科学学院)

Session Classification: Parallel Session 1a: Collider

Contribution ID: 13

Type: **not specified**

Systematic Spurion Method for Matching Low-Energy EFT to the Mesonic Chiral Lagrangian: Applications in Neutrino Physics ?

Saturday, 7 June 2025 16:00 (20 minutes)

Presenter: LI, Gang (Sun Yat-Sen University)

Session Classification: Parallel Session 2a: New Physics

Contribution ID: 14

Type: **not specified**

Can sub-GeV dark matter coherently scatter on the electrons in the atom?

Saturday, 7 June 2025 16:20 (20 minutes)

Presenter: WANG, Wenyu (Beijing University of Technology)

Session Classification: Parallel Session 2a: New Physics

Contribution ID: 15

Type: **not specified**

长寿命粒子现象学与早期宇宙新物理

Presenter: LIU, Wei (Nanjing University of Science and Technology)

Session Classification: Parallel Session 2a: New Physics

Contribution ID: 16

Type: **not specified**

Neutrino mass and flavor mixing via eclectic flavor groups

Sunday, 8 June 2025 14:20 (20 minutes)

Presenter: LI, Cai-Chang (西北大学)

Session Classification: Parallel Session 3a: Dark Matter

Contribution ID: 17

Type: **not specified**

Asymptotic grand unification in $SO(10)$ with one extra dimension

Saturday, 7 June 2025 17:20 (15 minutes)

Presenter: FANG, Gao-Xiang (HIAS, UCAS, Hangzhou)

Session Classification: Parallel Session 2a: New Physics

Contribution ID: **18**

Type: **not specified**

The EWPT induced PBH and its signal in xSM

Presenter: WU, Yongcheng (Nanjing Normal University)

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 19

Type: **not specified**

早期宇宙的 QCD 相变

Saturday, 7 June 2025 14:00 (20 minutes)

Presenter: CAO, Gaoqing (Sun Yat-sen University)

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 20

Type: **not specified**

Electroweak bubble wall velocity at leading order

Presenter: WANG, Xiao (Monash University)

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 21

Type: **not specified**

Electroweak phase transition in a vector dark matter scenario

Saturday, 7 June 2025 14:40 (20 minutes)

Presenter: BENINCASA, Nico

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 22

Type: **not specified**

Conformal Versus Non-Conformal Two Higgs Doublet Model: Phase Transition and Gravitational Wave

Saturday, 7 June 2025 15:20 (15 minutes)

Presenter: LI, Jiwei

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 23

Type: **not specified**

Interpreting PTA data with bouncing cosmology

Saturday, 7 June 2025 16:00 (20 minutes)

Presenter: QIU, Taotao (Huazhong University of Science and Technology)

Session Classification: Parallel Session 2b: Gravitational Wave

Contribution ID: 24

Type: **not specified**

Anisotropies in the cosmological gravitational wave background: from theory to Bayesian inference

Saturday, 7 June 2025 16:20 (20 minutes)

Presenter: DING, Ran

Session Classification: Parallel Session 2b: Gravitational Wave

Contribution ID: 25

Type: **not specified**

Probing gravitational dark matter with ultra-high frequency gravitational waves

Saturday, 7 June 2025 16:40 (20 minutes)

Presenter: XU, Yong (MITP, JGU Mainz)

Session Classification: Parallel Session 2b: Gravitational Wave

Contribution ID: 26

Type: **not specified**

Unveiling a multicomponent stochastic gravitational-wave background with the TianQin + LISA network

Saturday, 7 June 2025 17:00 (20 minutes)

Presenter: LIANG, Zheng-Cheng (Henan Normal University)

Session Classification: Parallel Session 2b: Gravitational Wave

Contribution ID: 27

Type: **not specified**

GW from Metastable Cosmic String in Delayed Scaling Scenario —A Cosmological Prospective of View

Saturday, 7 June 2025 17:20 (15 minutes)

Presenter: HU, Yifan

Session Classification: Parallel Session 2b: Gravitational Wave

Contribution ID: 28

Type: **not specified**

Probing and Knocking with a GeV Muon beam at the HIAF HFRS facility

Presenter: LI, Qiang (Peking University)

Session Classification: Plenary Session 3

Contribution ID: 29

Type: **not specified**

Line Operators in the Gauged Two-Higgs-Doublet Model

Sunday, 8 June 2025 09:20 (25 minutes)

Presenter: XUE, Xun (East China Normal University)

Session Classification: Plenary Session 3

Contribution ID: 30

Type: **not specified**

Leptogenesis without primordial B-L asymmetry

Sunday, 8 June 2025 09:45 (25 minutes)

Presenter: CHAO, Wei (BNU)

Session Classification: Plenary Session 3

Contribution ID: 31

Type: **not specified**

Probing Dark Matter with Gravitational-wave Interferometers in Space

Sunday, 8 June 2025 11:45 (25 minutes)

Presenter: TANG, Yong (University of Chinese Academy of Sciences)

Session Classification: Plenary Session 4

Contribution ID: 32

Type: **not specified**

Unveiling Ultralight Axion-like Dark Matter —A PTA-PPA Exploration

Sunday, 8 June 2025 10:30 (25 minutes)

Presenter: LIU, Tao (HKUST)

Session Classification: Plenary Session 4

Contribution ID: 33

Type: **not specified**

Wess-Zumino-Witten interactions of axions

Sunday, 8 June 2025 10:55 (25 minutes)

Presenter: LIU, Jia (Peking University)

Session Classification: Plenary Session 4

Contribution ID: 34

Type: **not specified**

Predictions for Higgs Pair Production at the LHC

Sunday, 8 June 2025 11:20 (25 minutes)

Presenter: LI, Haitao (haitao.li@sdu.edu.cn)

Session Classification: Plenary Session 4

Contribution ID: 35

Type: **not specified**

Recent theoretical progress on hadronic CP violation

Presenter: QIN, Qin (Huazhong University of Science and Technology)

Session Classification: Plenary Session 4

Contribution ID: 36

Type: **not specified**

Recent Results from the XENONnT Dark Matter Experiment

Sunday, 8 June 2025 14:00 (20 minutes)

Presenter: YE, Jingqiang (The Chinese University of Hong Kong, Shenzhen)

Session Classification: Parallel Session 3a: Dark Matter

Contribution ID: 37

Type: **not specified**

Supernova Neutrino and Dark Matter

Saturday, 7 June 2025 17:00 (20 minutes)

Presenter: ZHU, Bin

Session Classification: Parallel Session 2a: New Physics

Contribution ID: 38

Type: **not specified**

Decoding Dark Matter Particle Properties via Synergistic Multi-Experiment Strategies

Sunday, 8 June 2025 14:40 (20 minutes)

Presenter: LU, Chih-Ting (Nanjing Normal University)

Session Classification: Parallel Session 3a: Dark Matter

Contribution ID: 39

Type: **not specified**

Unified Interpretation of Muon g-2 Anomaly, 95 GeV Excesses and Dark Matter in SUSY Models

Sunday, 8 June 2025 15:00 (20 minutes)

Presenter: LIAN, Jingwei (Henan Institute of Science and Technology)

Session Classification: Parallel Session 3a: Dark Matter

Contribution ID: 40

Type: **not specified**

Examining the Timing Signal and Its Synergy with Polarization Signals of Ultralight Axion-Like Dark Matter

Sunday, 8 June 2025 15:20 (15 minutes)

Presenter: LI, Ximeng (Institute of High Energy Physics)

Session Classification: Parallel Session 3a: Dark Matter

Contribution ID: 41

Type: **not specified**

Axion and ALP dark matter phenomenology

Presenter: WANG, Xiaoping (Beihang University)

Session Classification: Parallel Session 4a: Dark Sector

Contribution ID: 42

Type: **not specified**

Emerging axion direct detection in magnetoelectric materials

Presenter: SUN, Sichun (Beijing Institute of Technology)

Session Classification: Plenary Session 6

Contribution ID: 43

Type: **not specified**

Revisiting Q-ball dark matter: a closer look at interaction with matter

Sunday, 8 June 2025 16:00 (20 minutes)

Presenter: KUWAHARA, Takumi (Peking University)

Session Classification: Parallel Session 4a: Dark Sector

Contribution ID: 44

Type: **not specified**

Recent Progress of DarkSHINE R&D

Sunday, 8 June 2025 16:20 (20 minutes)

Presenter: ZHU, Yifan (Tsung-Dao Lee Institute&School of Physics and Astronomy, Shanghai Jiao Tong Univ. (CN))

Session Classification: Parallel Session 4a: Dark Sector

Contribution ID: 45

Type: **not specified**

Inelastic Dirac Dark Matter in U(1)_B-L

Sunday, 8 June 2025 16:40 (20 minutes)

Presenter: HAN, Zhi-Long (University of Jinan)

Session Classification: Parallel Session 4a: Dark Sector

Contribution ID: 46

Type: **not specified**

A comprehensive framework for EWPTs: beyond one-loop analysis

Sunday, 8 June 2025 14:00 (20 minutes)

Presenter: JIANG, Yun

Session Classification: Parallel Session 3b: Gravitational Wave

Contribution ID: 47

Type: **not specified**

A treatment to gravitational perturbations and Lorentz-violating effects with Lagrangian analysis

Sunday, 8 June 2025 14:20 (20 minutes)

Presenter: ZHANG, Chao (China University of Petroleum-Beijing)

Session Classification: Parallel Session 3b: Gravitational Wave

Contribution ID: 48

Type: **not specified**

Dynamical nonlinear tails in Schwarzschild black hole ringdown

Sunday, 8 June 2025 14:40 (20 minutes)

Presenter: LING, Siyang (City University of Hong Kong)

Session Classification: Parallel Session 3b: Gravitational Wave

Contribution ID: 49

Type: **not specified**

Dark matter and beyond GR effects in gravitational waves

Sunday, 8 June 2025 15:00 (20 minutes)

Presenter: MANTON, Tucker (HIAS, UCAS)

Session Classification: Parallel Session 3b: Gravitational Wave

Contribution ID: 50

Type: **not specified**

Constraining Boson Clouds with Supermassive Black Hole Binaries

Sunday, 8 June 2025 15:20 (15 minutes)

Presenter: ZHANG, Xi-Li (IHEP,CAS)

Session Classification: Parallel Session 3b: Gravitational Wave

Contribution ID: 51

Type: **not specified**

Leptogenesis from Axion Inflation with B-L magnetic fields

Sunday, 8 June 2025 16:00 (20 minutes)

Presenter: KAMADA, Kohei (HIAS UCAS)

Session Classification: Parallel Session 4b: Cosmology

Contribution ID: 52

Type: **not specified**

Interpreting Cosmic Birefringence and DESI Data with Evolving Axion in LambdaCDM

Sunday, 8 June 2025 16:20 (20 minutes)

Presenter: QIU, Yu-Cheng (Tsung-Dao Lee Institute)

Session Classification: Parallel Session 4b: Cosmology

Contribution ID: 53

Type: **not specified**

Inflation, reheating and next generation CMB experiments

Sunday, 8 June 2025 16:40 (20 minutes)

Presenter: MING, Lei (South China Normal University)

Session Classification: Parallel Session 4b: Cosmology

Contribution ID: 54

Type: **not specified**

Cosmological Non-Gaussianity from Neutrino Seesaw Mechanism

Sunday, 8 June 2025 17:00 (15 minutes)

Presenter: YOU, Jingtao (Shanghai Jiao Tong University)

Session Classification: Parallel Session 4b: Cosmology

Contribution ID: 55

Type: **not specified**

Sterile neutrino oscillations with a crossing-width term

Monday, 9 June 2025 08:30 (20 minutes)

Presenter: TANG, Yi-Lei (中山大学)

Session Classification: Parallel Session 5a: Neutrino

Contribution ID: 56

Type: **not specified**

Neutrino Impostors: Resolving Mass Tensions with Strongly Self-Interacting Dark Radiation

Monday, 9 June 2025 08:50 (20 minutes)

Presenter: GAO, Christina

Session Classification: Parallel Session 5a: Neutrino

Contribution ID: 57

Type: **not specified**

Neutrino effective mass from scalar nonstandard interactions

Monday, 9 June 2025 09:10 (20 minutes)

Presenter: CHEN, Feng-Zhi (fzchen@jnu.edu.cn)

Session Classification: Parallel Session 5a: Neutrino

Contribution ID: 58

Type: **not specified**

Implications of Ultra-high-energy neutrino events on neutrino self-interactions

Monday, 9 June 2025 09:30 (20 minutes)

Presenter: HE, Yuxuan (City University of Hong Kong)

Session Classification: Parallel Session 5a: Neutrino

Contribution ID: 59

Type: **not specified**

Phenomenology of a Pati-Salam Model spontaneously broken by Higgs fields in fundamental representations

Monday, 9 June 2025 09:50 (20 minutes)

Presenter: OUYANG, Ruiwen (HIAS, UCAS)

Session Classification: Parallel Session 5a: Neutrino

Contribution ID: **60**

Type: **not specified**

B-meson FCNC decays as a probe of light Dark Matter

Monday, 9 June 2025 10:30 (20 minutes)

Presenter: YUAN, Xing-Bo

Session Classification: Parallel Session 6a: Flavor & Field Theory

Contribution ID: **61**

Type: **not specified**

Charged Higgs searches in 2HDM

Saturday, 7 June 2025 16:40 (20 minutes)

Presenter: SU, Wei (SYSU)

Session Classification: Parallel Session 2a: New Physics

Contribution ID: 62

Type: **not specified**

Application of generalized partial wave amplitude in effective field theory

Monday, 9 June 2025 10:50 (20 minutes)

Presenter: LI, Haolin (Sun Yat-Sen University)

Session Classification: Parallel Session 6a: Flavor & Field Theory

Contribution ID: 63

Type: **not specified**

Unitarity violation and PT symmetry in Yang-Mills evanescent operators

Monday, 9 June 2025 11:10 (20 minutes)

Presenter: REN, Ke (Sun Yat-sen University)

Session Classification: Parallel Session 6a: Flavor & Field Theory

Contribution ID: 64

Type: **not specified**

Carrollian amplitudes and Carrollian limit of holographic correlators in AdS3/CFT2

Presenter: ZHU, Bin (University of Edinburgh)

Session Classification: Parallel Session 6a: Flavor & Field Theory

Contribution ID: 65

Type: **not specified**

Blazar-Boosted Dark Matter: Novel Signatures via Elastic and Inelastic Scattering

Monday, 9 June 2025 08:30 (20 minutes)

Presenter: WANG, Jin-Wei (UESTC)

Session Classification: Parallel Session 5b: Astrophysics

Contribution ID: 66

Type: **not specified**

Towards improvements of detection strategy for ultra-high-energy particles with the 3rd effect of radio emission

Monday, 9 June 2025 08:50 (20 minutes)

Presenter: ZHANG, Chao (Nanjing University)

Session Classification: Parallel Session 5b: Astrophysics

Contribution ID: 67

Type: **not specified**

基于 LHAASO 对宇宙中暂现源和耀发现象的多波段多 信使研究

Monday, 9 June 2025 09:10 (20 minutes)

Presenter: ZHANG, Bing T. (中国科学院高能物理研究所)

Session Classification: Parallel Session 5b: Astrophysics

Contribution ID: 68

Type: **not specified**

Detecting Stars Darker Than Black Holes

Monday, 9 June 2025 09:30 (20 minutes)

Presenter: ZHANG, Kilar (Shanghai University)

Session Classification: Parallel Session 5b: Astrophysics

Contribution ID: 69

Type: **not specified**

Inverted hadron-quark phase transition and its astrophysical implications

Monday, 9 June 2025 09:50 (20 minutes)

Presenter: ZHANG, Chen (Hong Kong University of Science and Technology)

Session Classification: Parallel Session 5b: Astrophysics

Contribution ID: 70

Type: **not specified**

Black hole destabilization and non-minimally coupled vector fields

Monday, 9 June 2025 10:50 (20 minutes)

Presenter: GARCIA-SAENZ, Sebastian (Southern University of Science and Technology)

Session Classification: Parallel Session 6b: Gravity

Contribution ID: 71

Type: **not specified**

Vanishing of non-linear black hole Love numbers

Monday, 9 June 2025 11:10 (20 minutes)

Presenter: WONG, Sam S. C. (City University of Hong Kong)

Session Classification: Parallel Session 6b: Gravity

Contribution ID: 72

Type: **not specified**

Karmarkar-Tolman Embedded Charged Anisotropic Stars in $f(R)$ Gravity

Monday, 9 June 2025 11:30 (20 minutes)

Presenter: RAHMAN, Waheed Ur (Hunan University)

Session Classification: Parallel Session 6b: Gravity

Contribution ID: 73

Type: **not specified**

Observational Constraint on Extended Proca-Neuvo Cosmology

Saturday, 7 June 2025 15:00 (20 minutes)

Presenter: CHIANG, Hsu-Wen (National Taiwan University)

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 74

Type: **not specified**

Significance of explicit symmetry breaking on primordial black holes in classically scale-invariant theories

Monday, 9 June 2025 11:30 (20 minutes)

Presenter: ZHANG, He-Xu

Session Classification: Parallel Session 6a: Flavor & Field Theory

Contribution ID: 75

Type: **not specified**

Observation of faint dwarf galaxies and fuzzy dark matter

Presenter: BI, Xiao-Jun (中科院高能所)

Session Classification: Plenary Session 5

Contribution ID: 76

Type: **not specified**

通过共形变换研究 CP 破坏

Presenter: WANG, Hai-Jun (Jilin University)

Session Classification: Plenary Session 5

Contribution ID: 77

Type: **not specified**

Final results from the Fermilab Muon g-2 experiment

Monday, 9 June 2025 14:00 (25 minutes)

Presenter: KHAW, Kim Siang (TDLI/SJTU)

Session Classification: Plenary Session 5

Contribution ID: 78

Type: **not specified**

$B \rightarrow K \nu \nu$ anomaly, dark matter, and hyperon CP violation

Monday, 9 June 2025 14:25 (25 minutes)

Presenter: TANDEAN, Jusak

Session Classification: Plenary Session 5

Contribution ID: 79

Type: **not specified**

Louder Gravitational Wave from Chemical Potential Driven Dark Chiral PT

Monday, 9 June 2025 15:10 (25 minutes)

Presenter: KANG, Zhaofeng (华中科技大学 (HUST))

Session Classification: Plenary Session 6

Contribution ID: **80**

Type: **not specified**

Searching for Axion-Like Particles with X-ray Observations of Alpha Centauri

Monday, 9 June 2025 15:35 (25 minutes)

Presenter: TSAI, Yue-Lin Sming (Purple Mountain Observatory)

Session Classification: Plenary Session 6

Contribution ID: **81**

Type: **not specified**

Dark Radiation Isocurvature from Cosmological Phase Transitions

Saturday, 7 June 2025 14:20 (20 minutes)

Presenter: DU, Peizhi (University of Science and Technology of China)

Session Classification: Parallel Session 1b: Phase Transition

Contribution ID: 82

Type: **not specified**

Study on multi-wavelength and multi-messenger by using the LHAASO-WCDA detector

Presenter: ZHA, Min (IHEP)

Session Classification: Poster Session & Dinner

Contribution ID: 83

Type: **not specified**

Relic density and temperature evolution of a light dark sector

Sunday, 8 June 2025 17:30 (5 minutes)

Presenter: DUAN, Xin-Chen (Purple Mountain Observatory)

Session Classification: Poster Session & Dinner

Contribution ID: 84

Type: **not specified**

近 30 年地磁变化对低高度中能质子通量的影响

Sunday, 8 June 2025 17:35 (5 minutes)

Presenter: GUO, Chengxin (西藏大学)

Session Classification: Poster Session & Dinner

Contribution ID: 85

Type: **not specified**

Early-Universe Phase Transitions and Gravitational Waves in U(1)_X Scalar Dark Matter Models

Sunday, 8 June 2025 17:40 (5 minutes)

Presenter: LIANG, Qiwei (Beijing University Of Technology)

Session Classification: Poster Session & Dinner

Contribution ID: 86

Type: **not specified**

Dynamical nonlinear tails in Schwarzschild black hole ringdown

Sunday, 8 June 2025 17:45 (5 minutes)

Presenter: SHAH, Sabeela (City University of Hong Kong)

Session Classification: Poster Session & Dinner

Contribution ID: 87

Type: **not specified**

Cosmological Non-Gaussianity from Neutrino Seesaw Mechanism

Sunday, 8 June 2025 17:50 (5 minutes)

Presenter: SONG, Linghao (Shanghai Jiao Tong University)

Session Classification: Poster Session & Dinner

Contribution ID: **88**

Type: **not specified**

Scrutinizing the impact of the solar modulation on antiproton excess

Sunday, 8 June 2025 17:55 (5 minutes)

Presenter: WANG, Xiao (Purple Mountain Observatory)

Session Classification: Poster Session & Dinner

Contribution ID: 89

Type: **not specified**

Exploring sub-GeV dark matter via s-wave, p-wave, and resonance annihilation with CMB data

Sunday, 8 June 2025 18:00 (5 minutes)

Presenter: WANG, Yu-Ning (Purple Mountain Observatory)

Session Classification: Poster Session & Dinner

Contribution ID: 90

Type: **not specified**

Searching accretion-enhanced dark matter annihilation signals in the Galactic Centre

Sunday, 8 June 2025 18:05 (5 minutes)

Presenter: YANG, Meiwen (南京师范大学/中国科学院紫金山天文台)

Session Classification: Poster Session & Dinner

Contribution ID: 91

Type: **not specified**

Probing axion-like particles via primordial black hole evaporation

Presenter: ZHANG, Ruijia (Nankai University)

Session Classification: Poster Session & Dinner

Contribution ID: 92

Type: **not specified**

Special and General Relativity Consequences of the Scalar Gravitational Field

Monday, 9 June 2025 10:30 (20 minutes)

Presenter: ZHANG, Hai-Chao (Shanghai Institute of Optics and Fine Mechanics, CAS)

Session Classification: Parallel Session 6b: Gravity

Contribution ID: 93

Type: **not specified**

PandaX: a multipurpose LXe expeirment

Saturday, 7 June 2025 09:20 (25 minutes)

Presenter: TAO, Yi (Shanghai Jiao Tong University)

Session Classification: Plenary Session 1

Contribution ID: 94

Type: **not specified**

Status and Prospect of the CDEX Experiment

Sunday, 8 June 2025 08:55 (25 minutes)

Presenter: DAI, Wenhan (Tsinghua University)

Session Classification: Plenary Session 3

Contribution ID: 95

Type: **not specified**

Observation of faint dwarf galaxies and fuzzy dark matter

Sunday, 8 June 2025 17:00 (15 minutes)

Presenter: YANG, Yu-Ming (Institute of High Energy Physics, CAS)

Session Classification: Parallel Session 4a: Dark Sector

Contribution ID: 96

Type: **not specified**

Degeneracy Enhancement of Neutron Oscillation in Neutron Star

Sunday, 8 June 2025 18:10 (5 minutes)

Co-author: FU, Xuan-Ye

Presenters: WANG, Qi-Heng; FU, Xuan-Ye; GUO, Zi-Yang

Session Classification: Poster Session & Dinner