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Report of Contributions

Contribution ID : 1

Type : **not specified**

Simulation study of ultralight dark matter

Wednesday, 26 August 2026 09:00 (80)

Primary author(s) : BI, Xiaojun (IHEP)

Presenter(s) : BI, Xiaojun (IHEP)

Session Classification : Session 1-Day 3

Contribution ID : 2

Type : **not specified**



Wednesday, 26 August 2026 10:50 (80)

Primary author(s) : BIAN, Ligong (Chongqing University)

Presenter(s) : BIAN, Ligong (Chongqing University)

Session Classification : Session 2-Day 3

Contribution ID : 3

Type : **not specified**



Tuesday, 25 August 2026 10:50 (80)

Primary author(s) : QIU, Taotao (Huazhong University of Science and Technology)

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

Session Classification : Session 2-Day 2

Contribution ID : 4

Type : **not specified**



Thursday, 27 August 2026 09:00 (80)

Primary author(s) : JIE, Wang

Presenter(s) : JIE, Wang

Session Classification : Session 1-Day 4

Contribution ID : 5

Type : **not specified**

Self-Interacting Dark Matter: From Particle Physics to Small-Scale Structures

Monday, 24 August 2026 10:50 (80)

Primary author(s) : YANG, Daneng

Presenter(s) : YANG, Daneng

Session Classification : Session 2-Day 1

Contribution ID : 6

Type : **not specified**

Why Dark Matter May Have Self-Interactions

Monday, 24 August 2026 09:00 (80)

Primary author(s) : YU, Hai-Bo

Presenter(s) : YU, Hai-Bo

Session Classification : Session 1-Day 1

Contribution ID : 7

Type : **not specified**

Scalar-Induced Gravitational Waves: Theory and Perspectives

Thursday, 27 August 2026 10:50 (80)

Primary author(s): PI, Shi (Institute of Theoretical Physics, Chinese Academy of Sciences)

Presenter(s): PI, Shi (Institute of Theoretical Physics, Chinese Academy of Sciences)

Session Classification : Session 2-Day 4

Contribution ID : 8

Type : **not specified**

Solitons in Warm, Noisy and Spinning Fields

Tuesday, 25 August 2026 09:00 (80)

Primary author(s) : AMIN, Mustafa

Presenter(s) : AMIN, Mustafa

Session Classification : Session 1-Day 2

Contribution ID : 9

Type : **not specified**

Key poins in building SUSY EFT

Friday, 28 August 2026 09:00 (20)

Primary author(s) : CAO, Junjie (Henan Normal University)

Presenter(s) : CAO, Junjie (Henan Normal University)

Session Classification : Session 1

Contribution ID : 10

Type : **not specified**

Supermassive Primordial Black Holes from a Catalyzed Dark Phase Transition for Little Red Dots

Friday, 28 August 2026 09:20 (20)

Primary author(s) : LIU, Jia (Peking University)

Presenter(s) : LIU, Jia (Peking University)

Session Classification : Session 1

Contribution ID : 11

Type : **not specified**

Realistic scattering of puffy dark matter

Friday, 28 August 2026 09:40 (20)

Primary author(s) : WANG, Wenyu (Beijing University of Technology)

Presenter(s) : WANG, Wenyu (Beijing University of Technology)

Session Classification : Session 1

Contribution ID : 12

Type : **not specified**

The nontopological and topological strings in the grand unified theories

Friday, 28 August 2026 10:40 (20)

Primary author(s) : CHEN, NING (Nankai University)

Presenter(s) : CHEN, NING (Nankai University)

Session Classification : Session 2

Contribution ID : 13

Type : **not specified**

Gauge-Independent Gravitational Waves from Supercooled Phase Transitions in a Minimal Dark U(1) Sector

Primary author(s) : FENG, WanZhe (Tianjin University)

Presenter(s) : FENG, WanZhe (Tianjin University)

Session Classification : Session 2

Contribution ID : 14

Type : **not specified**

Probing nonthermal gravitinos through large-scale structure observations

Primary author(s) : HAN, Chengcheng (Sun Yat-sen University)

Presenter(s) : HAN, Chengcheng (Sun Yat-sen University)

Session Classification : Session 2

Contribution ID : 15

Type : **not specified**

Gravitational Waves from Graviton Bremsstrahlung in Scalar Leptoquark Decays

Friday, 28 August 2026 11:20 (20)

Primary author(s) : Dr YU, Zhao-Huan (Sun Yat-sen University)

Presenter(s) : Dr YU, Zhao-Huan (Sun Yat-sen University)

Session Classification : Session 2

Contribution ID : 16

Type : **not specified**

Long Lived Particles Beyond the B meson

Primary author(s) : SU, Wei (SYSU)

Presenter(s) : SU, Wei (SYSU)

Session Classification : Session 2

Contribution ID : 17

Type : **not specified**

Radiative corrections in inverse beta decay and neutron decay

*Friday, 28 August 2026 11:00 (20)***Primary author(s) :** TOMALAK, Sasha**Presenter(s) :** TOMALAK, Sasha**Session Classification :** Session 2

Contribution ID : 18

Type : **not specified**

Cosmic Expansion Amplifies Gravitational Waves from First-Order Phase Transitions

Friday, 28 August 2026 11:40 (20)

Primary author(s) : TIAN, Chi (Anhui University)

Presenter(s) : TIAN, Chi (Anhui University)

Session Classification : Session 2

Contribution ID : **19**

Type : **not specified**

Heavy Axion from a Confining Mirror GUT

Friday, 28 August 2026 14:00 (20)

Primary author(s) : MA, Teng (ICTP-AP)

Presenter(s) : MA, Teng (ICTP-AP)

Session Classification : Session 3

Contribution ID : 20

Type : **not specified**

The fate of Chiral gauge theory

Friday, 28 August 2026 14:20 (20)

Primary author(s) : LI, Haolin (Sun Yat-Sen University)

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

Session Classification : Session 3

Contribution ID : 21

Type : **not specified**

Search for Ultralight Scalar Dark Matter with Quadratic Interactions

Friday, 28 August 2026 14:40 (20)

Primary author(s) : LIU, Da (Shandong University)

Presenter(s) : LIU, Da (Shandong University)

Session Classification : Session 3

Contribution ID : 22

Type : **not specified**

Recent Progress on the Axion Magnetic Resonance

Primary author(s) : SUN, Chen (HIAS-UCAS)

Presenter(s) : SUN, Chen (HIAS-UCAS)

Session Classification : Session 3

Contribution ID : 23

Type : **not specified**

Physics at a High Energy Neutrino Collider

Primary author(s) : XIE (), Keping () (TDLI/SJTU)

Presenter(s) : XIE (), Keping () (TDLI/SJTU)

Session Classification : Session 3

Contribution ID : 24

Type : **not specified**

Particles and Wave functions in Light-Front

Friday, 28 August 2026 15:00 (20)

Primary author(s) : CHEN, Junmou (Jinan University)

Presenter(s) : CHEN, Junmou (Jinan University)

Session Classification : Session 3

Contribution ID : 25

Type : **not specified**

Hypergeometric function representation of Feynman integral

Friday, 28 August 2026 15:40 (20)

Primary author(s) : Prof. ZHANG X, Hai-Bin X (Hebei University XXXX)

Presenter(s) : Prof. ZHANG X, Hai-Bin X (Hebei University XXXX)

Session Classification : Session 4

Contribution ID : 26

Type : **not specified**

Dark matter and strong CP solutions in Composite paradigm

Friday, 28 August 2026 10:00 (20)

Primary author(s) : Dr CAI, Haiying

Presenter(s) : Dr CAI, Haiying

Session Classification : Session 1

Contribution ID : 27

Type : **not specified**

High Frequency Gravitational Wave Production during Reheating

Friday, 28 August 2026 16:20 (20)

Primary author(s) : ZHAO, Wenbin

Presenter(s) : ZHAO, Wenbin

Session Classification : Session 4

Contribution ID : 28

Type : **not specified**

Unearthing Primordial Dark-Matter Velocities from the Matter Power Spectrum

Friday, 28 August 2026 16:00 (20)

Primary author(s) : HUANG, Fei (Weizmann Institute of Science)

Presenter(s) : HUANG, Fei (Weizmann Institute of Science)

Session Classification : Session 4