



Report of Contributions

Contribution ID : 1

Type : **not specified**

Recent development of dark photon related physics

Friday, 6 September 2024 09:00 (80)

Presenter(s) : AN, Haipeng (Tsinghua University)

Contribution ID : 2

Type : **not specified**

Recent developments in axion dark matter

Friday, 6 September 2024 10:50 (80)

Presenter(s) : GAO, Yu (IHEP, CAS)

Contribution ID : 3

Type : **not specified**

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Saturday, 7 September 2024 09:00 (80)

Presenter(s) : ZHANG, Xin

Contribution ID : 4

Type : **not specified**

Overview of Black Hole Superradiance

Saturday, 7 September 2024 10:50 (80)

Presenter(s) : ZHANG, Hong (Shandong University -Qingdao)

Contribution ID : 5

Type : **not specified**

Effects of dark matter in atoms and nuclei

Sunday, 8 September 2024 09:00 (80)

Presenter(s) : FLAMBAUM, Victor

Contribution ID : 6

Type : **not specified**

Dark matter and gravitational waves

Sunday, 8 September 2024 10:50 (80)

Presenter(s) : HUANG, Fa Peng (Sun Yat-sen University)

Contribution ID : 7

Type : **not specified**

First Scan Search for Dark Photon Dark Matter with a Tunable Superconducting Radio-Frequency Cavity

Presenter(s) : Prof. SHU, Jing (Peking University)

Contribution ID : 8

Type : **not specified**

Low-Energy Supernova Constraints on Millicharged Particles

*Monday, 9 September 2024 08:30 (25)***Presenter(s) :** LIU, Zuowei (Nanjing University)

Contribution ID : 9

Type : **not specified**

Axion detections at the quantum level

Presenter(s) : Prof. YANG, Qiaoli (Jinan University)

Contribution ID : **10**

Type : **not specified**

The exploration into U(1) hidden sectors

Monday, 9 September 2024 08:55 (25)

Presenter(s) : FENG, Wanzhe

Contribution ID : 11

Type : **not specified**

Searching Accretion-Enhanced Dark Matter Annihilation Signals in the Galactic Centre

*Monday, 9 September 2024 09:20 (25)***Presenter(s) :** TSAI, Yue-Lin Sming (Purple Mountain Observatory, Chinese Academy of Sciences)

Contribution ID : 12

Type : **not specified**

Collective excitation in dark matter direct detection experiment

Monday, 9 September 2024 10:30 (25)

Presenter(s): ZHU, Bin

Contribution ID : 13

Type : **not specified**

Probing Non-Thermal Gravitinos Through Large-Scale Structure Observations

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

Contribution ID : 14

Type : **not specified**

Probing instant preheating by gravitational waves

Monday, 9 September 2024 16:35 (10)

Presenter(s) : HU, Weiyu

Contribution ID : 15

Type : **not specified**

Dark matter production and evolution from primordial black holes in the early Universe

Monday, 9 September 2024 11:55 (10)

Presenter(s) : JIA, Nayun

Contribution ID : 16

Type : **not specified**

A bright electron-positron annihilation line in the BOAT GRB221009A

*Monday, 9 September 2024 11:20 (25)***Presenter(s) :** ZHANG, Zhen (Institute of High Energy Physics)

Contribution ID : 17

Type : **not specified**

Possible new physics indicated by loops: The Higgs mass and the Einstein gravity

*Monday, 9 September 2024 10:55 (25)***Presenter(s) :** JIA, Lianbao

Contribution ID : 18

Type : **not specified**

Exploration of dark matter minispikes with gravitational waves from Intermediate-mass-ratio inspirals

*Monday, 9 September 2024 09:45 (25)***Presenter(s) :** JIN, Hongbo

Contribution ID : **19**

Type : **not specified**

Dark matter in GUT-scale constrained NMSSM

Monday, 9 September 2024 14:00 (25)

Presenter(s) : WANG, Kun

Contribution ID : 20

Type : **not specified**

Ultralight scalar and axion dark matter detection with long-baseline atom interferometers

*Monday, 9 September 2024 16:00 (25)***Presenter(s) :** ZHAO, Wei

Contribution ID : 21

Type : **not specified**

Quantum entanglement and space-time creation

Presenter(s): YANG, Xiaodong

Contribution ID : 22

Type : **not specified**

Modeling Self-Interacting Dark Matter Halos with Galaxies and Growth Histories

Monday, 9 September 2024 14:25 (25)

Presenter(s) : YANG, Daneng

Contribution ID : 23

Type : **not specified**

WeylXXXXXXXXXXXXXXXXXXXX

Monday, 9 September 2024 15:35 (25)

Presenter(s) : WANG, Qingyang

Contribution ID : 24

Type : **not specified**

Improved analytic solution of Kerr (-Newman) black hole superradiance

*Monday, 9 September 2024 16:25 (10)***Presenter(s) :** XU, Qixuan

Contribution ID : 26

Type : **not specified**

Soft scattering evaporation of dark matter subhalos by galactic gases

Monday, 9 September 2024 14:50 (25)

Presenter(s) : LIN, Yugen

Contribution ID : 27

Type : **not specified**

Discussion

Friday, 6 September 2024 15:00 (120)

Presenter(s) : AN, Haipeng (Tsinghua University); GAO, Yu (IHEP, CAS)

Contribution ID : **28**

Type : **not specified**

Discussion

Saturday, 7 September 2024 15:00 (120)

Presenter(s) : ZHANG, Hong (Shandong University -Qingdao); ZHANG, Xin

Contribution ID : 29

Type : **not specified**

Discussion

Sunday, 8 September 2024 15:00 (120)

Presenter(s) : HUANG, Fa Peng (Sun Yat-sen University); FLAMBAUM, Victor

Contribution ID : 31

Type : **not specified**

DM distribution, structure formation and the potential to distinguish thermal histories of dark matter

Monday, 9 September 2024 11:45 (10)

Presenter(s) : LI, Yuanzhen



Contribution ID : **32**

Type : **not specified**

 **Berry** 

Monday, 9 September 2024 16:45 (10)

Presenter(s) : WANG, Junchen