

**Workshop on Multi-front
Exotic phenomena in Particle
and Astrophysics (MEPA 2022)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Open discussion

Contribution ID: 3

Type: **not specified**

Open talk

Saturday, 17 December 2022 08:30 (40 minutes)

Goldstone bosons, dark photons, milicharges and monopoles.

Presenter: Prof. HE, Xiaogang

Contribution ID: 6

Type: **not specified**

Workshop opening

Saturday, 17 December 2022 08:15 (15 minutes)

Contribution ID: 7

Type: **not specified**

Dark Photon & Millicharged Particle Theory Talk 1

Saturday, 17 December 2022 10:20 (25 minutes)

Presenter: Prof. ZHAO, Yue (Univ. of Utah (US))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 8

Type: **not specified**

Dark Light

Saturday, 17 December 2022 10:45 (25 minutes)

Presenter: Dr PACHAL, Katherine (Triumf (CA))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 9

Type: **not specified**

Dark Quest

Saturday, 17 December 2022 11:10 (25 minutes)

Presenter: Dr FENG, Yongbin

Session Classification: Dark Photon & Millicharged particle

Contribution ID: **10**

Type: **not specified**

LDMX

Saturday, 17 December 2022 11:35 (25 minutes)

Presenter: Dr SOLT, Matthew (Univ. of Virginia (US))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 11

Type: **not specified**

Dark Photon & Millicharged Particle Theory Talk 2

Saturday, 17 December 2022 15:45 (25 minutes)

Presenter: Prof. WANG, Xiaoping (Beihang University (CN))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 12

Type: **not specified**

Dark Photon & Millicharged Particle Theory Talk 3

Saturday, 17 December 2022 16:10 (25 minutes)

Presenter: Prof. AN, Haipeng (Tsinghua University (CN))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 13

Type: **not specified**

Dark MESA

Saturday, 17 December 2022 16:35 (25 minutes)

Presenter: Dr DORIA, Luca (Johannes Gutenberg-Universität Mainz (DE))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 14

Type: **not specified**

NA64

Saturday, 17 December 2022 17:00 (25 minutes)

Presenter: Dr OBERHAUSER, Benjamin Banto (ETH Zürich (CH))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 15

Type: **not specified**

Dark SHINE

Saturday, 17 December 2022 17:25 (25 minutes)

Presenter: Dr CHEN, Jing (SJTU/TDLI (CN))

Session Classification: Dark Photon & Millicharged particle

Contribution ID: 16

Type: **not specified**

Theory of non-topological soliton

Sunday, 18 December 2022 14:25 (35 minutes)

Presenter: Prof. ZHOU, Shuangyong

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: 17

Type: **not specified**

FCP search in DAMPE

Sunday, 18 December 2022 14:00 (25 minutes)

Presenter: WEI, Yifeng (University of Science and Technology of China)

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: **18**

Type: **not specified**

FCP search in ATLAS

Presenter: WU, Yusheng (University of Science and Technology of China (CN))

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: 19

Type: **not specified**

Detection of Topological and Non-Topological Solitons with Gravitational Waves

Sunday, 18 December 2022 15:30 (30 minutes)

Presenter: GUO, Huaike (University of Utah)

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: 20

Type: **not specified**

Looking for charged (meta)stable particles in MoEDAL

Sunday, 18 December 2022 16:00 (30 minutes)

Presenter: MITSOU, Vasiliki (IFIC - CSIC and Univ. of Valencia (ES))

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: 21

Type: **not specified**

Monopole search project using Magnetometer and plastic scintillator

Presenter: LIN, Qing

Session Classification: Magnetic Monopole & Q-Ball

Contribution ID: 22

Type: **not specified**

Results and Prospects for Muon g-2 Experiment at Fermilab

Sunday, 18 December 2022 09:00 (20 minutes)

Presenter: Prof. 李, 亮 (上海交通大学)

Session Classification: Other Exotic Particle Search

Contribution ID: 23

Type: **not specified**

大亚湾和江门实验新物理研究

Sunday, 18 December 2022 09:20 (20 minutes)

Presenter: Prof. 凌, 家杰 (中山大学)

Session Classification: Other Exotic Particle Search

Contribution ID: 24

Type: **not specified**

Hunting High-Quality Axioms

Saturday, 17 December 2022 09:10 (25 minutes)

Presenter: LIU, Zhen

Session Classification: Axion

Contribution ID: 25

Type: **not specified**

Magnetic mass of the photon

Saturday, 17 December 2022 09:35 (25 minutes)

Presenter: HUANG, Junwu

Session Classification: Axion

Contribution ID: 26

Type: **not specified**

Hunting Axions with EHT Polarimetry Measurements

Saturday, 17 December 2022 13:35 (25 minutes)

Presenter: CHEN, Yifan (ITP-CAS)

Session Classification: Axion

Contribution ID: 27

Type: **not specified**

Searching for Solar Axions with PandaX Detectors

Saturday, 17 December 2022 14:00 (25 minutes)

Presenter: ZENG, Xinning

Session Classification: Axion

Contribution ID: 28

Type: **not specified**

Explore the ultralight dark matter by radio telescope

Saturday, 17 December 2022 14:25 (25 minutes)

Presenter: HUANG, Fapeng

Session Classification: Axion

Contribution ID: 29

Type: **not specified**

High sensitivity axion dark matter experiments at IBS-CAPP above 1 GHz

Saturday, 17 December 2022 14:50 (25 minutes)

Presenter: OHJOON, Kwon

Session Classification: Axion

Contribution ID: **30**

Type: **not specified**

Recent Results from IceCube and Next Generation Neutrino Telescopes

Sunday, 18 December 2022 09:40 (20 minutes)

Presenter: ZHANG, Fuyudi

Session Classification: Other Exotic Particle Search

Contribution ID: **31**

Type: **not specified**

The muEDM experiment at PSI

Sunday, 18 December 2022 10:45 (20 minutes)

Presenter: Prof. KHAW, Kim Siang (TDLI/SJTU)

Session Classification: Other Exotic Particle Search

Contribution ID: 32

Type: **not specified**

New physics search in e+e- colliders

Sunday, 18 December 2022 11:05 (25 minutes)

Presenter: ZHANG, Yu

Session Classification: Other Exotic Particle Search

Contribution ID: 33

Type: **not specified**

Anomaly inspired new physics searches

Sunday, 18 December 2022 08:30 (30 minutes)

Presenter: Prof. WANG, Liantao (Chicago University)

Session Classification: Other Exotic Particle Search

Contribution ID: 34

Type: **not specified**

Hadronic system reconstruction at CEPC and searching for NP

Sunday, 18 December 2022 11:30 (25 minutes)

Presenter: RUAN, Manqi (Institute of High Energy Physics, Beijing, China)

Session Classification: Other Exotic Particle Search