

Workshop on Multi-front Exotic phenomena in Particle and Astrophysics (MEPA 2025)

Report of Contributions

Contribution ID: 21

Type: **not specified**

Wess-Zumino-Witten interactions of axions

Saturday, 12 April 2025 09:00 (25 minutes)

Presenter: 刘, 佳

Session Classification: Talk

Contribution ID: 22

Type: **not specified**

利用 RELICS 液氙探测器寻找反应堆轴子

Saturday, 12 April 2025 09:25 (25 minutes)

Presenter: 魏, 月环

Session Classification: Talk

Contribution ID: 23

Type: **not specified**

Axion and Dark Photon EFTs: from UV to Hadronic Probes

Saturday, 12 April 2025 09:50 (25 minutes)

Presenter: 于, 江浩

Session Classification: Talk

Contribution ID: 24

Type: **not specified**

dark photon

Saturday, 12 April 2025 10:45 (25 minutes)

Presenter: 安, 海鹏

Session Classification: Talk

Contribution ID: 25

Type: **not specified**

Searching for dark photon dark matter at the TASEH experiment

Saturday, 12 April 2025 11:10 (25 minutes)

Presenter: 李, 金勉

Session Classification: Talk

Contribution ID: 26

Type: **not specified**

Recent Status of DarkSHINE R&D

Saturday, 12 April 2025 11:35 (25 minutes)

Presenter: 袁, 睿

Session Classification: Talk

Contribution ID: 27

Type: **not specified**

Black Hole Superradiance

Saturday, 12 April 2025 14:00 (25 minutes)

Presenter: 张, 宏

Session Classification: Talk

Contribution ID: 28

Type: **not specified**

Searching QCD axions in light of string theory

Saturday, 12 April 2025 14:25 (25 minutes)

Presenter: 杨, 峤立

Session Classification: Talk

Contribution ID: 29

Type: **not specified**

早期宇宙真空拓扑缺陷与暗物质

Saturday, 12 April 2025 14:50 (25 minutes)

Presenter: 边, 立功

Session Classification: Talk

Contribution ID: 30

Type: **not specified**

detecting light dark matter with plasmons

Saturday, 12 April 2025 15:45 (25 minutes)

Presenter: 武, 雷

Session Classification: Talk

Contribution ID: 31

Type: **not specified**

MeV dark bridge between the EM and neutrino sectors

Saturday, 12 April 2025 16:10 (25 minutes)

Presenter: 储, 晓勇

Session Classification: Talk

Contribution ID: 32

Type: **not specified**

LHC 实验和 PKMu 实验的一些新物理寻找

Saturday, 12 April 2025 16:35 (25 minutes)

Presenter: 周, 辰

Session Classification: Talk

Contribution ID: 33

Type: **not specified**

Searches for Sterile Neutrinos via the Dipole Portal

Saturday, 12 April 2025 17:00 (25 minutes)

Presenter: 李, 英英

Session Classification: Talk

Contribution ID: 34

Type: **not specified**

Search for millicharged particles from the atmosphere and beam dumps

Sunday, 13 April 2025 09:00 (25 minutes)

Presenter: 宋, 宁强

Session Classification: Talk

Contribution ID: 35

Type: **not specified**

Geomagnetic signal of millicharged dark matter

Sunday, 13 April 2025 09:25 (25 minutes)

Presenter: ARZA, Ariel

Session Classification: Talk

Contribution ID: 36

Type: **not specified**

Possible signals of light bosonic dark matters

Sunday, 13 April 2025 09:50 (25 minutes)

Presenter: 晁, 伟

Session Classification: Talk

Contribution ID: 37

Type: **not specified**

monopole search in ion collider

Sunday, 13 April 2025 10:45 (25 minutes)

Presenter: 胡, 启鹏

Session Classification: Talk

Contribution ID: 38

Type: **not specified**

Q-balls and boson stars

Sunday, 13 April 2025 11:10 (25 minutes)

Presenter: JARAMILLO, Victor

Session Classification: Talk

Contribution ID: 39

Type: **not specified**

Recent progress on monopoles and gravitational waves

Sunday, 13 April 2025 11:35 (25 minutes)

Presenter: 周, 也铃

Session Classification: Talk

Contribution ID: 40

Type: **not specified**

超导纳米线单光子探测器与成像器

Sunday, 13 April 2025 14:00 (25 minutes)

Presenter: 赵, 清源

Session Classification: Talk

Contribution ID: 41

Type: **not specified**

基于固态自旋传感器搜寻新奇相互作用

Sunday, 13 April 2025 14:25 (25 minutes)

Presenter: 焦, 曼

Session Classification: Talk

Contribution ID: 42

Type: **not specified**

Search for exotic spin-dependent interactions with quantum sensors

Sunday, 13 April 2025 14:50 (25 minutes)

Presenter: 江, 敏

Session Classification: Talk

Contribution ID: 43

Type: **not specified**

利用磁悬浮力探测器搜寻新奇自旋相互作用

Sunday, 13 April 2025 15:15 (25 minutes)

Presenter: 印, 沛然

Session Classification: Talk

Contribution ID: 44

Type: **not specified**

Conceptual design report of Muonium-to-Antimuonium Conversion Experiment (MACE)

Sunday, 13 April 2025 16:10 (25 minutes)

Presenter: 赵, 诗涵

Session Classification: Talk

Contribution ID: 45

Type: **not specified**

Searching for heavy neutral leptons coupled to axion-like particles at the LHC far detectors and SHiP

Sunday, 13 April 2025 16:35 (25 minutes)

Presenter: 王, 泽人

Session Classification: Talk

Contribution ID: 46

Type: **not specified**

LHC 实验上的奇异物理新进展

Sunday, 13 April 2025 17:00 (25 minutes)

Presenter: 刘, 炳萱

Session Classification: Talk