



# 第三届地下和空间粒子物理与宇宙物理前沿问题研讨会

## Wednesday, 8 May 2024

### 02 - 暗物质直接/间接探测实验 (14:00 - 16:00)

-Conveners: Ning Zhou

time	[id] title	presenter
14:00	[160] Search for Dark Photons in the ATLAS Experiment and Future Prospects for Dark Matter Searches at the CEPC	LIANG, Zhijun
14:20	[234] 通过希格斯粒子的衰变寻找暗物质粒子	陈, 明水
14:40	[257] AMS电子的起源	LI, Shanglin
15:00	[252] AMS正电子的起源	张, 诚
15:20	[44] 在PandaX-4T实验中搜寻宇宙线电子加速暗物质	崔, 祥仪
15:40	[150] CDEX实验中的暗物质-电子相互作用研究	ZHANG, zhenyu

# Thursday, 9 May 2024

## **02 - 暗物质直接/间接探测实验 (14:00 - 16:00)**

**-Conveners: 菁 舒**

time	[id] title	presenter
14:00	[225] 基于LHAASO等天文观测的新物理研究	Prof. BI, Xiaojun
14:20	[22] Recent Status and Results of the Dark Matter Particle Explorer	YUE, Chuan
14:40	[15] A proposed PKU-Muon experiment for muon tomography and dark matter search	LI, Qiang
15:00	[34] 缪子散射探寻暗物质:RPC探测器实验的初步进展与展望	李, 奇特
15:20	[177] 基于自旋极化体系寻找新自旋相互作用和超轻暗物质粒子	Dr 季, 伟
15:40	[62] Exploring New Physics with PandaX-4T Low Energy Electronic Recoil Data	ZENG, Xinning

## **02 - 暗物质直接/间接探测实验 (16:20 - 18:20)**

**-Conveners: Xiaojun Bi**

time	[id] title	presenter
16:20	[16] 利用超导谐振腔测量超轻暗物质	舒, 菁
16:40	[21] 用于暗物质探测的液氦时间投影室研究进展	JUNHUI, Liao
17:00	[132] DarkSide: a direct dark matter search project using liquid argon	WANG, Yi
17:20	[280] AMS反质子和宇宙线基本带电粒子	唐, 志成 卢, 森泉
17:35	[251] AMS反氦测量	卢, 森泉
17:50	[96] 太阳反射暗物质信号调制的探测	Mr NIE, Haoming
18:05	[111] Experiment on Detecting Migdal Effect in Neutron Scattering Based on Gas Pixel Detectors	易, 涤凡

# Friday, 10 May 2024

## 02 - 暗物质直接/间接探测实验 (16:20 - 18:20)

**-Conveners: Hao Ma; Fei Gao**

time	[id] title	presenter
16:20	[169] CDEX暗物质探测实验现状与展望	LIU, Shukui
16:40	[136] Search for light dark matter absorption signal in CDEX experiment	DAI, Wenhan
17:00	[183] PandaX4T run0+run1 WIMP本底分析以及信号模型	罗, 云阳
17:20	[224] The low-energy ionization signal and backgrounds in PandaX-4T experiment	Dr LI, Shuaijie
17:40	[207] XENON实验中的核反冲信号物理结果	李, 圣超
18:00	[248] Electronic recoil channel in XENONnT: results and perspective	Prof. YE, Jingqiang