

中国物理学会高能物理分会第十二届全国会员代表大会暨学术年会

Wednesday, 15 July 2026

分会4: 中微子物理、粒子天体物理与宇宙学 - 江门厅 (14:00 - 18:00)

-Conveners: Chair2: 黄永波; Chair1: 贾怡

time	[id] title	presenter
14:00	[273] Progress of the JUNO-TAO Experiment	LI, Ruhui
14:20	[283] TRIDENT: Progress Toward a Next-Generation Deep-Sea Neutrino Observatory	MORTON-BLAKE, Iwan
14:40	[204] RECODE for the Reactor Neutrino CEvNS Measurements and BSM Physics	吴, 永成
14:48	[199] 通过参量荧光效应探测宇宙中微子背景	HUANG, Guoyuan
15:08	[65] 基于江门中微子实验数月数据的反应堆中微子振荡分析	陈, 志源
15:16	[76] JUNO 弥散超新星中微子背景搜寻现状	罗, 晓杰
15:24	茶歇	
15:54	[226] 锦屏中微子实验建设研发进展	WANG, Zhe
16:14	[403] 中微子味混合与味对称性的理论	黎, 才昌
16:34	[82] JUNO探测器刻度和能量重建	吴, 文杰
16:42	[103] Two Beams, One Detector: MicroBooNE's Search for eV-scale Sterile neutrinos	JI, Xiangpan
16:50	[175] Searching for Dark Matter with TRIDENT	向, 昕
17:05	[54] Collider Searches of Heavy Neutrinos to Test Neutrino Mass Orderings	LIU, Wei (刘威)
17:20	[93] Coherence in Neutrino Scattering: From New Physics to Relic Neutrinos	LIAO, Jiajun
17:35	[160] Geoneutrino measurement in JUNO	LIU, Qishan
17:43	[335] Theoretical Aspects of Neutrinoless Double-Beta Decay and Its Implications for New Physics	ZHU, Jingyu

Thursday, 16 July 2026

分会4: 中微子物理、粒子天体物理与宇宙学 - 江门厅 (08:30 - 12:00)

-Conveners: Chair1: 周也铃; Chair2: 陈松战

time	[id] title	presenter
08:30	[302] 高能水下中微子望远镜 (HUNT) 项目进展	LIU, Cheng
08:50	[311] AI在JUNO分析中的应用	续, 本达
09:05	[419] 超越 SZ_{2S} 的畴壁	FU, Bowen
09:20	[348] Comments on "Unified neutrino mixing and approximate $\mu \leftrightarrow \tau$ reflection symmetry" (Mod. Phys. Lett. A, 40 (2025) 26, 2550097)	李, 文君
09:35	[6] New physics effects in Leptogenesis mechanism	CHAO, Wei
09:55	茶歇	
10:27	[169] 基于“悟空”号卫星的宇宙线探测与研究	岳, 川
10:47	[214] LHAASO Measurements of Galactic Ultra-High-Energy Gamma-Ray Emission: Microquasars and Diffuse Emission from the Galactic Plane	于, 艳红
11:02	[68] 基于物理约束深度学习的高能宇宙线流强预报方法	冯, 劼
11:10	[116] Investigating Production of TeV-scale Muons in Extensive Air Shower at 2400 Meters Underground	张, 昕舜
11:18	[220] Recent LHAASO Results on Cosmic-Ray Energy Spectra and Mass Composition	王, 利苹
11:33	[123] Understanding the Origin of Cosmic-Ray Positrons	ZHANG, Cheng
11:41	[129] 阿尔法磁谱仪宇宙线锂同位素最新测量结果	陈, 尧
11:49	[132] 基于AMS测量重核宇宙线磷、氯、氩、钾、钙能谱	王, 兆民

分会4: 中微子物理、粒子天体物理与宇宙学 - 江门厅 (14:00 - 18:00)

-Conveners: Chair2: 向昕; Chair1: 马小东

time	[id] title	presenter
14:00	[254] 西藏羊八井AS γ 实验超高能伽马辐射观测及其相关天体物理前沿问题	HUANG, Jing
14:15	[264] LHAASO关于脉冲星风云的研究进展	汪, 凯
14:30	[165] Unique Properties of Light Nuclei Time Variation up to 60 GV Measured by the Alpha Magnetic Spectrometer	邹, 廉坤
14:38	[166] AMS所测14.5年电子与正电子时变流强的独特性质	苏, 彤
14:46	[167] Anisotropy of Cosmic ray Particles with the Alpha Magnetic Spectrometer on the ISS	MIKHAILOV, Vladimir
14:54	[192] Properties of Cosmic Beryllium Isotopes Measured by the Alpha Magnetic Spectrometer	SUN, Zetong
15:02	[334] GRAND项目最新进展和未来展望	张, 毅
15:17	茶歇	
15:47	[358] 空间引力波数据处理新进展	HE, Jibo
16:02	[262] Probing the Dark Universe via Cosmic Antinuclei and MeV Gamma Rays with A Novel Tracking-Calorimeter	XIAO, Mengjiao

16:10	[385] Observation of Universal Spectral Softening in Primary Cosmic Rays with DAMPE	魏, 逸丰
16:18	[106] Polarized X-ray signals from ALP conversion in neutron stars	LI, Lingfeng
16:26	[333] AMS宇宙线反质子与基本电荷粒子的时间变化	唐, 志成
16:34	[15] Enhanced Cosmic-Ray Cooling in AGN from Dark Matter Deep Inelastic Scattering	卢, 致廷
16:42	[61] Gravitational Waves from Graviton Bremsstrahlung in Scalar Leptoquark Decays	余, 钊焕
16:50	[119] CDEX实验研究进展与展望	杨, 丽桃
17:10	[121] Latest progress on the PandaX-4T and PandaX-20 experiment	崔, 祥仪
17:30	[33] New physics opportunities with DarkSHINE initiative	LI, Shu
17:38	[153] XENONnT 实验近期物理成果——WIMP、 $CE\nu NS$ 与轻暗物质搜寻	CAI, Chang

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分会4: 中微子物理、粒子天体物理与宇宙学 - 江门厅 (08:30 - 12:03)

-Conveners: Chair2: 张宸; Chair1: 周也铃; Chair3: 徐东莲

time	[id] title	presenter
08:30	[45] Recent progress in cosmological first-order phase transitions	AI, Wenyuan
08:50	[461] A 2026 update of cosmological collider physics	XIANYU, Zhongzhi
09:10	[28] Gauge-invariant analysis of curvature perturbations from slow first-order phase transitions	DING, Ran
09:25	[74] Self-Consistent Parker Bound on Magnetic Monopoles	ZHANG, Chen
09:33	[462] 轴子的近期进展与新方向	CHEN, Yifan
09:53	茶歇	
10:24	[460] 阿里原初引力波探测实验	LI, Hong
10:39	[389] Late-time Quantum Vacuum Decay and its Cosmological Implications	LU, Sida
10:47	[274] Probing the Solar $\bar{\nu}_e$ Neutrino Fog with XENONnT	LIU, Kexin
10:55	[250] SPECTRA室温暗光子探测实验	李, 思垠
11:03	[194] Search for WIMPs with PandaX-4T Run2 Analysis	王, 佳敏
11:11	Break	
11:16	[360] Analytic approach to fermionic quasi-bound states in Reissner-Nordström Spacetime	陈, 广尚
11:17	[40] Estimation of the Cosmogenic Li9 Background in the JUNO Experiment	黄, 涛
11:18	[57] 中微子物质效应的快速高精度计算以及各站点预测	韩, 柯宇
11:19	[62] IBD selection result, efficiency calculation, and background estimate	杨, 成峰
11:20	[91] Detector identifier and geometry management system in the JUNO experiment	SU, Yuning
11:21	[98] 太阳中微子实验中寻找惰性中微子的灵敏度研究	朱, 宇涛
11:22	[140] Spallation Neutron Study at JUNO-TAO	光, 罗
11:23	[203] HUNT触发与数据处理流程初步研究	褚, 培元
11:24	[205] TAO VETO 水箱探测器与muon效率研究	ZHANG, Jiahao
11:25	[208] JUNO VETO 8inch PMT系统测量研究	郑, 艺辰
11:26	[210] RELICS-10实验探测反应堆中微子CEvNS的物理潜力	王, 俊
11:27	[215] ROOT-based event display for data monitoring in the JUNO experiment	赵, 即洋
11:28	[216] Data Quality Monitoring system in the JUNO-TAO experiment	师, 博文
11:29	[217] Data quality monitoring system in the JUNO experiment	YANG, Jize YOU, Zhengyun
11:30	[218] TAO中心探测器刻度	王, 健鑫
11:31	[219] JUNO-TAO event display based on PHOENIX	王, 学森
11:32	[221] Reactor Antineutrino Selection and Efficiency Estimation at JUNO-TAO	李, 子昂

11:33	[228] Performance of the TAO Central Detector	唐, 湔忠
11:34	[230] Detecting the next galactic core-collapse supernova with TRIDENT: Simulation and experimental demonstration	曹, 瑞珂
11:35	[235] TAO顶部反符合探测器	尹, 小豪
11:36	[238] Detector and Event Visualization based on PHOENIX in the JUNO experiment	吕, 佳琪
11:37	[249] Muon induced fast neutron study at JUNO-TAO	刘, 志鹏
11:38	[253] 基于地球中微子方向性探测的钾-40中微子探测以及地球大尺度地质结构成像预研	孙, 昊哲
11:39	[287] Waveform Reconstruction Pipeline and Performance in TRIDENT	郝, 淑华
11:40	[288] Prospects of detecting prompt atmospheric neutrinos with TRIDENT	黄, 炜伦
11:41	[289] Track Direction Reconstruction and Noise Filtering for TRIDENT Phase-I	常, 起超
11:42	[375] Measurements of secondary cosmic ray lithium, beryllium and boron with the DAMPE mission	徐, 恩珩
11:43	[128] Understanding the Origin of Cosmic-Ray Electrons	李, 尚霖
11:44	[164] High-Energy Solar Energetic Particles measured by the Alpha Magnetic Spectrometer.	FALDI, Francesco
11:45	[171] Measurement of Nickel Flux in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	尤, 宇航
11:46	[174] AMS实验ECAL探测器的深度学习重建方法	CHEN, Hai
11:47	[240] AMS-02精确测量宇宙线反质子流强谱及宇宙线基本粒子的性质	杨昊天, UNKNOWN
11:48	[242] Unique Properties of Daily Proton and Helium Fluxes up to 100 GV	STUZHIN, Aleksandr
11:49	[266] Solar modulation of cosmic ray electron and positron flux measured with DAMPE	刘, 杨
11:50	[305] Nonlinear Dependence of Underground Cosmic-Ray Muon Flux on Atmospheric Temperature Variation	LIAO, Lei
11:51	[378] Measurement of the cosmic ray nickel energy spectrum from 10 GeV/n to 2 TeV/n with the DAMPE space mission	孙, 浩然
11:52	[279] Light Dark Matter Search with 7.8 Tonne-Year of Ionization-Only Data in XENONnT	汤, 杰
11:53	[195] PandaX 实验太阳中微子研究进展	高, 智星
11:54	[198] TRIDENT Sensitivity to Dark Matter Annihilation in the Galactic Centre	WANG, Yingwei
11:55	[350] Studies of leptogenesis in neutrino flavor symmetry models	邵, 妍
11:56	[138] Search for solar 8B neutrinos and light dark matter with PandaX-4T	张, 敏祯
11:57	[390] Metastable domain wall in scalar model with continuous SU(1)S symmetry	华, 健钧
11:58	[168] RELICS实验的液氙纯度演化模型与纯化性能预测	于, 佳辰