

中国物理学会高能物理分会第十三届全国粒子物理学术会议 (2021)

Monday, 16 August 2021

Parallel Session V: Particle Detector Technology (14:00 - 16:05)

-Conveners: 月昆 衡

time	[id] title	presenter
14:00	[100] The design and study of RICH detector for Super Tau-Charm Facility	Dr 王, 滨龙
14:20	[96] A dedicated SiPMs array for GRD of GECAM	Mr 孙, 希磊
14:35	[146] Determination of responses of liquid xenon to low energy electron and nuclear recoils using a PandaX-II detector	Dr YAN, Binbin
14:50	[156] 位置灵敏型快时间探测器研究进展	Dr LISHUANG, Ma
15:05	[351] 微结构探测器和新型电磁量能器的研制与应用	Ms LI XIAOMEI, Xiaomei
15:20	[163] Development of a highly granular electromagnetic calorimeter prototype for the CEPC	NIU, Yazhou
15:35	[50] PandaX-4T暗物质探测器用超高纯氙氙低温精馏系统运行结果分析	Dr WANG, Zhou
15:50	[190] 大型液氮低温系统氦测量与抑制	Mr 李, 任明杰

Parallel Session V: Particle Detector Technology (16:10 - 18:00)

-Conveners: qian yue

time	[id] title	presenter
16:10	[24] The Cryogenics and Xenon handling system for the PandaX-4T Experiment	Dr ZHAO, Li
16:30	[197] CDEX-300 ν 实验中的液氙反符合技术预研	张, 震宇
16:45	[187] Construction of readout electronics system for CEPC ScECAL	Mr ZHOU, anshun
17:00	[202] Design of the Prototype Readout Electronic System of the Liquid Argon Detector for Direct Dark Matter Detection	Mr ZHAO, Keqing
17:15	[229] Development and Progress of the Readout Electronics for STCF ECAL	罗, 来富
17:30	[105] 低能康普顿散射电子标定高增益电路的研究	HAN YUBO Dr ZHU, Hongbo
17:45	[213] PandaX-4T电子学与触发系统	Mr 任, 祥祥

Tuesday, 17 August 2021

Parallel Session V: Particle Detector Technology (08:30 - 10:20)

-Conveners: Jianbei Liu

time	[id] title	presenter
08:30	[165] 新型多通道读出电子学在粒子探测器中的应用	Dr 胡, 坤
08:50	[112] Development of High Voltage CMOS based Silicon Tracker for CEPC	LI 李, Yiming 一鸣
09:05	[185] Development of IHEP low gain avalanche devices for ATLAS HGTD project	ZHAO, Mei
09:20	[104] Development of Radiation-hard LGAD at USTC	YANG, Xiao
09:35	[224] AC-coupled LGAD and Large-area LGAD for electron-positron collider	LI, Mengzhao
09:50	[220] PandaX-30T电子学系统预研	何, 昶达
10:05	[16] Characterization of SOI pixel sensor using pinned depleted diode structure for CEPC vertex	Dr DONG, Jing Dr LU, Yunpeng

Parallel Session V: Particle Detector Technology (10:40 - 12:00)

-Conveners: chengguang zhu

time	[id] title	presenter
10:40	[23] CMOS像素芯片JadePix3的性能测试	Dr LU, Yunpeng
11:00	[114] HERD 量能器研究进展	Dr 王, 志刚
11:15	[182] SOI-3D技术在顶点探测器中的应用	Dr ZHOU, Yang
11:30	[140] 用于CEPC内层顶点探测器的高计数率CMOS像素探测器芯片研制	ZHANG, Ying
11:45	[74] HEPS-BPIX2: the Hybrid Pixel Detector with TSV Processing for High Energy Photon Source	Dr ZHANG, Jie Mr WEI, Wei

Parallel Session V: Particle Detector Technology (14:00 - 15:35)

-Conveners: Qun OUYANG

time	[id] title	presenter
14:00	[95] NICA/MPD实验新型电磁量能器研制及生产	Prof. WANG, Yi
14:20	[183] A novel concept of 4D crystal calorimetry for future lepton colliders: R&D highlights	Dr SUN, Sheng-Sen Dr LIU, Yong
14:35	[188] Development of the CMS-HGCAL silicon module center in Beijing	Prof. ZHANG, Huaqiao
14:50	[225] On-orbit performance of the DAMPE BGO calorimeter	Dr WEI, Yifeng
15:05	[164] R&D activities of highly granular hadron calorimeters for the CEPC	石, 禹坤
15:20	[160] Design and performance studies of the electromagnetic calorimeter for STCF	SONG, Yong

Parallel Session V: Particle Detector Technology (15:40 - 17:30)

-Conveners: 树彬 刘

time	[id]	title	presenter
15:40	[151]	Development status of the neutron detectors for instruments at CSNS	Mr 周, 健荣 Mr 孙, 志嘉
16:00	[217]	基于新型缪子及其次级粒子符合探测技术的小尺寸中低Z物质四维成像系统模拟研究	Mr JI, Xuantao
16:15	[138]	新型低温粒子探测器NTD-Ge传感器的研发	薛. 明萱
16:30	[37]	基于散射成像法的宇宙线缪子动量测量研究	Dr 文, 群刚
16:45	[103]	基于Micromegas的高分辨缪子成像系统研究	Dr WANG, Yu
17:00	[65]	基于中国散裂中子源的正反缪子素转换实验	鲍. 煜
17:15	[166]	The 3-inch PMT system of JUNO experiment	HUANG, Yongbo

Wednesday, 18 August 2021

Parallel Session V: Particle Detector Technology (08:30 - 10:20)

-Conveners: Yangheng Zheng

time	[id] title	presenter
08:30	[93] Vertex and Energy Reconstruction in large-volume liquid scintillator detectors with Machine Learning Methods	Mr QIAN, Zhen
08:50	[84] Position reconstruction for the PandaX-4T experiment	顾, 琳慧
09:05	[43] Data processing and simulation in PandaX-4T	Dr 谌, 勋
09:20	[75] Detector geometry management system designed for Super Tau Charm Facility offline software	LI, He
09:35	[139] SAGE: 针对基于高纯锗探测器实验的蒙卡模拟和波形模拟软件包	代, 文翰
09:50	[223] Crystal bolometer output raw data process with optimal filter assisted	ZHAO, Kangkang
10:05	[231] RPC Upgrade for ATLAS Phase-II	GUO, Jun

Parallel Session V: Particle Detector Technology (10:40 - 12:00)

-Conveners: Yong Yang

time	[id] title	presenter
10:40	[205] Ge-76 $0\nu\beta\beta$ 实验中的单点/多点事例甄别方法研究	ZHANG, bt
11:00	[135] Radioactivity measurement of high precise U and Th in different materials using ICP-MS	LI YUANXIA, 李院霞
11:15	[221] 高纯锗暗物质实验CDEX-50dm中的本底模拟与控制方案	耿, 新平
11:30	[63] 用于极低放射性材料筛选的带电粒子谱仪的研发	Mrs DU, Haiyan
11:45	[204] Pile-up reconstruction in liquid scintillator detectors using general statistical approach	武, 益阳