

中国物理学会高能物理分会
HIGH ENERGY PHYSICS BRANCH OF CPS

山东大学
SHANDONG UNIVERSITY

第十三届全国粒子物理学术会议 (2021)

会议手册



——主办单位——

中国物理学会高能物理分会

——承办单位——

山东大学（青岛）

2021年8月16日-20日



网站信息：<https://indico.ihep.ac.cn/event/10906/overview>

会议须知

一. 会议安排

由于疫情影响，为严格遵守疫情防控要求，确保参会人员的健康与安全，高能物理分会与会议组织委员会讨论决定：原定在青岛举行的“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”全部转为线上进行，会议报告分为大会报告、分会报告和墙报三部分。第十一届“晨光杯”优秀论文评选活动同期举行。

二. 日程框架

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） 会议日程				
开始时间	8月16日	8月17日	8月18日	8月19日
8:30	大会	分会	分会	大会
9:00				
9:30				
10:00				
10:30	茶歇			
10:40	大会	分会	分会	大会
11:30				
12:00				
12:10	午餐与午休			
13:00	午餐与午休			
13:30	午餐与午休			
14:00	分会及 晨光杯 报告与评审	分会及 墙报展		大会
14:30				
15:00		茶歇		
15:30	分会及 晨光杯 报告与评审	分会及 墙报展		茶歇
16:00				
16:10				
17:00	分会及 晨光杯 报告与评审			期刊介绍 晨光杯颁奖等
17:30				
18:00				

具体会议日程见附表。

三. ZOOM 会议室信息

会议统一采用 ZOOM 会议系统，具体安排如下：

技术支持：胡皓：huhao@ihep.ac.cn, 13051552921

(一) 大会报告

Zoom ID: 636 605 7819

Zoom Passcode: 607267

ZOOM link:

<https://zoom.com.cn/j/6366057819?pwd=allaNThWKzhYlhIVTBydXpobU5FQT09>

会议室负责：王 萌，mwang@sdu.edu.cn

会议室维护：杨 驰，chiyang@sdu.edu.cn

鲍守山，ssbao@sdu.edu.cn

(二) 分会报告

(1) 分会 I: TeV 物理和超出标准模型新物理

Zoom ID: 331 205 7792

Zoom Passcode: 010478

ZOOM link:

<https://zoom.com.cn/j/3312057792?pwd=RSsrREc2UFpaeFdvc1FNeWtzQkNEdz09>

分会召集人：司宗国，zgsi@sdu.edu.cn，

李 强，qliphy0@pku.edu.cn

张 昊, zhanghao@ihep.ac.cn

杨海军, haijun.yang@sjtu.edu.cn

会议室维护: 马连良, lianliang.ma@cern.ch

张 宏, hong.zhang@sdu.edu.cn

(2) 分会 II: 强子物理与味物理

Zoom ID: 387 203 4840

Zoom Passcode: 892938

ZOOM link:

<https://zoom.com.cn/j/3872034840?pwd=eExaRXpkaW94amM2cTdaZUtKNWcrUT09>

分会召集人: 刘 翔, xiangliu@lzu.edu.cn,

郭奉坤, fkguo@itp.ac.cn

刘北江, liubj@ihep.ac.cn

杨振伟, yangzw@pku.edu.cn

会议室维护: 刘智青, z.liu@sdu.edu.cn

刘天博, liutb@sdu.edu.cn

(3) 分会 III: 重离子物理

Zoom ID: 219 368 4961

Zoom Passcode: 875776

ZOOM link:

<https://zoom.com.cn/j/2193684961?pwd=NFFyZitiK2crZUZnbXF6WURseUJUdz09>

分会召集人：黄 梅， huangmei@ucas.ac.cn，

秦广友， guangyou.qin@mail.ccnu.edu.cn

徐庆华， xuqh@sdu.edu.cn

唐泽波， zbtang@ustc.edu.cn

会议室维护：

曹杉杉， shanshan.cao@sdu.edu.cn

杨 钱， yangqian2020@sdu.edu.cn

(4) 分会 IV：中微子物理、粒子天体物理与宇宙学

Zoom ID: 378 912 7236

Zoom Passcode: 004205

ZOOM link:

<https://zoom.com.cn/j/3789127236?pwd=WGUwS0FqdUVnQnA5OXZoL0J4R1dtQT09>

分会召集人：查 敏， zham@ihep.ac.cn

郭宗宽，

王 喆， wangzhe-hep@tsinghua.edu.cn

温良剑， wenlj@ihep.ac.cn

会议室维护：杜杨洪岳， duyang@sdu.edu.cn

刘 栋， dliu@sdu.edu.cn

(5) 分会 V: 粒子物理实验技术 (同大会报告账号)

Zoom ID: 636 605 7819

Zoom Passcode: 607267

ZOOM link:

<https://zoom.com.cn/j/6366057819?pwd=allaNThWKzhhYlhIVTBydXpobU5FQT09>

分会召集人: 衡月昆, hengyk@ihep.ac.cn,

刘树彬, liushb@ustc.edu.cn

祝成光, zhucg@sdu.edu.cn

杨 勇, yong.yang@sjtu.edu.cn

会议室维护: 胡 坤, kun.hu@sdu.edu.cn

张 亮, zhang.l@sdu.edu.cn

(三) 第十一届晨光杯论文评审

Zoom ID: 87555590859

Zoom Passcode: 191352

ZOOM link:

<https://ihep-ac-cn.zoom.com.cn/j/87555590859?pwd=Ym5wdTBpdmZvU1VmbEUxUmUwR2R6dz09>

会议室负责: 王萌, mwang@sdu.edu.cn

会议室维护: 邱雯, qiuw@ihep.ac.cn

四. 注意事项

(1) 参会人员需提前下载并安装 ZOOM，参会期间所有参会人员**务必实名（如：张三-单位）**参会。召集人与会议室维护人员负责维护会议室秩序。

(2) 请报告人提前将大会报告、分会报告以及墙报电子版上传至会议网站相应位置。如有困难，请及时联系召集人或会议室维护人员。

(3) 为方便交流及会议期间通知发放，会务组设立三个微信群，请参会人员选择之一入群。未尽通知将会在微信群及会议网站公布，请及时关注。网站链接：<https://indico.ihep.ac.cn/event/10906/>



地方会务组联系人：

黄性涛（会务协调人）电话：0532-58631310 (办公室), Email: huangxt@sdu.edu.cn

王 萌（会务协调人）电话：0532-58631369 (办公室), Email: mawang@sdu.edu.cn

徐庆华（会务协调人）电话：0532-58631386 (办公室), Email: xuqh@sdu.edu.cn

尹 娜（会务秘书） 电话：0532-58631321 (办公室), Email: yina@sdu.edu.cn

分会秘书处联系人：

赵 强（分会秘书长）电话：010-88236578(办公室), Email: zhaoq@ihep.ac.cn

邱 雯（分会秘书） 电话：010-88235843(办公室), Email: qiuw@ihep.ac.cn

会议组织委员会（山东大学）：

曹杉杉，陈震宇，黄性涛，刘天博，刘智青，马连良，司宗国，

王 萌，徐庆华，易 立，张 宏，周 剑

会务秘书（山东大学）：

尹 娜，张 兰，孙默瑶，周梦丽

附表：（后续更新情况请以网站内容为准）

第十三届全国粒子物理学术会议（2021）

会议日程

时间：2021年8月16日-20日

大会日程安排

8月16日（周一）		
	报告题目	报告人
上午-I	Chair: 高原宁	
8:30	山东大学领导致辞	樊丽明
8:45	高能物理分会工作报告	王贻芳
9:20	LHAASO 最新结果	陈明君
9:55	暗物质探测	周宁
上午-II	Chair: 赵政国	
10:40	超出标准模型新物理	安海鹏
11:15	高能环形正负电子对撞机	阮曼奇
8月19日（周四）		
	报告题目	报告人
上午-I	Chair: 邹冰松	
8:30	强子物理实验研究进展	吕晓睿
9:05	格点 QCD 研究进展	杨一玻

大会报告

9:40	强子物理理论研究进展	王倩
上午-II	Chair: 梁作堂	
10:25	中微子物理实验研究进展	何苗
11:00	中微子物理理论	晁伟
11:35	高能重离子碰撞物理	张一飞
下午-I	Chair: 曹庆宏	
14:00	TeV 物理实验进展	庄胥爱
14:35	高能量前沿微扰 QCD 进展	高俊
15:10	探测器综述	王建春
下午-II	Chair: 赵强	
15:45	高能物理分会网站介绍	赵强
16:00	高能物理分会期刊介绍 (CPC, RDTM, 现代物理知识)	郑文莉
16:15	物理学会期刊介绍	翟振
16:30	Science Bulletin, Science China 期刊介绍	高原宁
16:45	新版 INSPIRE 数据库介绍	江亚欧
17:00	CPC 优秀论文颁奖	董海荣
17:15	“晨光杯”优秀论文颁奖	王萌
17:30	Closing remarks	王贻芳

分会报告 & 晨光杯报告与评审 & 墙报 日程安排

8月16日(周一)		
分会 I: TeV 物理和超出标准模型新物理		
	报告题目	报告人
下午-I	Chair: 司宗国	
14:00	What do recent experimental results mean for SUSY?	CAO Junjie
14:15	Searches for strong production of supersymmetric particles with the ATLAS detector	LIU Yang
14:30	Searches for electroweak production of supersymmetric particles with the ATLAS detector	XU Da
14:45	Multi-scalar signature of self-interacting dark matter in the NMSSM and beyond	LI Jinmian
15:00	Exotic Searches with the ATLAS Detector	WANG Yufeng
15:15	Search for a generic heavy Higgs at the LHC	XU yue
15:30	Search for vector-like quark and leptoquarks at CMS	YU Taozhe
15:45	Search for heavy resonances decaying into a photon and a hadronically decaying Higgs boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	LIU Bo
下午-II	Chair: 张昊	
16:10	Search for tri-boson resonance at the LHC with the CMS detector	LIU Xudong
16:25	Search for top-quark decays tHq in ditau final state with 36fb^{-1} of pp collision data at $s = 13$ TeV with the ATLAS detector	XIA mingming
16:40	ColliderBit-Solo: a new tool for reinterpreting LHC results for BSM	ZHANG Yang

16:55	Higgs Alignment and Novel CP-Violating Observables in 2HDM	WANG Xiaoping
17:10	高亮度正负电子对撞机上隐藏区间的唯象学研究	ZHANG Yu
17:25	Challenges for a QCD Axion at the 10 MeV Scale	LIU Jia
17:40	An SU(6) Axion Model	陈宁

8月16日(周一)

分会 II: 强子物理与味物理

	报告题目	报告人
下午-I	Chair:	
14:00	Observation of new excited heavy flavour hadrons at LHCb	MU Hongjie
14:20	Vector charmonium(-like) states at BESIII	姜侯兵
14:35	Recent studies of non-vector charmonium(-like) states at BESIII	SONG Yunxuan
14:55	Recent results from Belle	焦健斌
15:15	Light meson spectroscopy BESIII	CAO Ning
15:30	Light meson decays at BESIII	XIAOLIN KANG
15:45	A general and user-friendly partial wave analysis framework: TF-PWA	蒋艺
下午-II	Chair:	
16:10	Exploration of the open-charm pentaquark states	CHEN kan
16:30	Interaction between $J/\psi J/\psi$ from di-pion exchange with coupled channel FSI and possible bound state of $J/\psi J/\psi$	DONG Xiang-Kun
16:50	Some remarks on Y(4260)	QI Hongrong
17:10	Charm-Strange meson from Lattice QCD and Hamiltonian	杨智

	Effective Field Theory	
17:30	Recent results of tetraquark states at LHCb	沈志宏
17:50	Recent results of pentaquark states at LHCb	FANG Bo

8月16日(周一)		
分会 III: 重离子物理		
	报告题目	报告人
下午-I	Chair: 罗晓峰	
14:00	Relativistic spin hydrodynamics	HUANG Xu-Guang
14:25	Spin Hydrodynamics in Belinfante form and local spin polarization	浦实
14:50	Dependence of QGP evolution on smearing velocity in HIC	邓维天
15:05	Shear-induced spin polarization in heavy-ion collisions	FU Baochi
15:20	Non-Abelian Covariant Chiral Kinetic Equation	罗晓丽
15:35	Mass splitting of vector meson and spontaneous spin polarization under rotation	魏明华
15:50	Counting Topological Windings of Gauge Fields with Chiral Magnetic Effect	黄安平
下午-II	Chair: 秦广友	
16:10	Jet quenching and medium response	曹杉杉
16:35	Strangeness production in jets and underlying event in pp and p--Pb collisionis with ALICE	CUI Pengyao
16:50	Medium modification of jet substructure for inclusive, photon-tagged and heavy flavor jets in heavy-ion collisions	LUO Tan
17:05	Recent jet measurements in STAR and its future plan	SAHOO

		Nihar
17:20	Measurement of proton- $\bar{\pi}$ correlation function in Au+Au Collisions at 200 GeV by STAR experiment at RHIC	Mi Ke
17:35	Jet energy loss distributions and gradient tomography in heavy-ion collisions	HE Yayun
17:50	From hydro to jet quenching, coalescence and hadron cascade: a coupled approach to solving the $R_{AA} \otimes v_2$ puzzle in high-energy heavy-ion collisions	ZHAO Wenbin
18:05	Search for the elusive jet-induced diffusion wake in high-energy heavy-ion collisions	YANG Zhong

8月16日(周一)

分会 IV: 中微子物理、粒子天体物理与宇宙学

	报告题目	报告人
下午-I	Chair:	
14:00	The high light result from LHAASO-KM2A	陈松战
14:15	Data analysis and key science results of LHAASO-WCDA	胡世聪
14:30	Measurement of cosmic ray mean mass around the knee region by muon content in air showers with LHAASO-KM2A	张恒英
14:45	The study of the longitude development of muons in air shower	王利苹
15:00	Observation of Horizontal Air Showers with LHAASO-KM2A	GOU Quanbu
15:15	大型超高能伽马源立体跟踪观测设备 (LACT) 计划介绍	ZHANG Shoushan
15:30	Comparison of the particle acceleration between pileup	WANG Xin

	shock and converging shock	
15:45	双区扩散模型下脉冲星对宇宙线正电子超出的解释	方堃
下午-II	Chair:	
16:10	AMS 宇宙线正电子流强谱测量结果	李祖豪
16:30	AMS 宇宙线反质子流强谱测量结果及原初宇宙线带电基本粒子的流强谱性质	唐志成
16:45	AMS 宇宙线氦镁硅原子核流强谱测量结果	张诚
17:00	AMS 宇宙线氟原子核流强谱结果	扈嘉钰
17:15	基于 AMS 实验测量初级宇宙线铁原子核能谱	王兆民
17:30	阿尔法磁谱仪宇宙线同位素探测进展	陈尧
17:45	AMS 宇宙线正负电子流强谱随时间变化测量	SUN Zetong
18:00	阿尔法磁谱仪中硅微条探测器的位置刻度以及径迹重建算法	渠朝义

8月16日(周一)

分会 V: 粒子物理实验技术

	报告题目	报告人
下午-I	Chair: 衡月昆	
14:00	The design and study of RICH detector for Super Tau-Charm Facility	王滨龙
14:20	A dedicated SiPMs array for GRD of GECAM	孙希磊
14:35	Determination of responses of liquid xenon to low energy electron and nuclear recoils using a PandaX-II detector	YAN Binbin

8月16日(周一)

14:50	位置灵敏型快时间探测器研究进展	LISHUANG Ma
15:05	微结构探测器和新型电磁量能器的研制与应用	LI XIAOMEI
15:20	Development of a highly granular electromagnetic calorimeter prototype for the CEPC	NIU Yazhou
15:35	PandaX-4T 暗物质探测器用超高纯氦氙低温精馏系统运行结果分析	WANG Zhou
15:50	大型液氮低温系统氦测量与抑制	李任明杰
下午-II	Chair: 岳骞	
16:10	The Cryogenics and Xenon handling system for the PandaX-4T Experiment	ZHAO Li
16:30	CDEX-300v 实验中的液氙反符合技术预研	张震宇
16:45	Construction of readout electronics system for CEPC ScECAL	ZHOU anshun
17:00	Design of the Prototype Readout Electronic System of the Liquid Argon Detector for Direct Dark Matter Detection	ZHAO Keqing
17:15	Development and Progress of the Readout Electronics for STCF ECAL	罗来富
17:30	低能康普顿散射电子标定高增益电路的研究	HAN YUBO ZHU Hongbo
17:45	PandaX-4T 电子学与触发系统	任祥祥

8月16日(周一)

晨光杯报告与评审

	报告题目	报告人
下午-I	Chair:	

14:00	Bayesian Extraction of Jet Energy Loss Distributions in Heavy-Ion Collisions	HE Yayun
14:15	Extraction of the ^{235}U and ^{239}Pu Antineutrino Spectra at Daya Bay	胡健润
14:30	B-tagging Calibration and Observation of Higgs Boson Decays to a pair of bottom quarks with the ATLAS Detector	LI Changqiao
14:45	Chiral phase transition of (2+ 1)-flavor QCD	李胜泰
15:00	Ξ_c 绝对衰变率的首次测量	LI yubo
15:15	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton	刘鹏
15:30	Precision Measurement of the Branching Fractions of η' Decays	MA Yuming
15:45	Precision Study of $\eta' \rightarrow \gamma\pi + \pi^-$ Decay Dynamics	QIN Liqing
下午-II	Chair:	
16:10	Measurement of Proton Electromagnetic Form Factors in $e^+ e^- \rightarrow p p^-$ in the Energy Region 2.00–3.08 GeV	XIA Lei
16:25	Search for Light Weakly-Interacting-Massive-Particle Dark Matter by Annual Modulation Analysis with a Point-Contact Germanium Detector at the China Jinping Underground Laboratory	杨丽桃
16:40	Study of $e^+ e^- \rightarrow \gamma\omega J/\psi$ and Observation of $X(3872) \rightarrow \omega J/\psi$	YIN Junhao
16:55	Observation of a Resonant Structure in $e^+ e^- \rightarrow K^+ K^- \pi^0 \pi^0$	ZHANG Yateng
17:10	Committee discussion	

8月17日(周二)		
分会 I: TeV 物理和超出标准模型新物理		
	报告题目	报告人
上午-I	Chair: 吴雨生	
8:30	Combination of Higgs boson measurements with data collected during ATLAS Run2	LI Changqiao
8:50	Constraints on anomalous couplings of the Higgs boson to vector bosons and fermions with the CMS detector	PAN RenQi
9:10	Search for Higgs boson pair production in the $b\bar{b}\tau\tau$ decay channel using 13 TeV pp collision data from the ATLAS detector	ZHANG Bowen
9:30	Search for Higgs boson pair production at CMS	WANG Jin
9:50	Higgs boson pair production via gluon fusion at N ³ LO in QCD	WANG Jian
10:10	Higgs self-coupling measurement at ATLAS	HUANG yanping RAN Kunlin
上午-II	Chair: 杨海军	
10:40	通过微分截面角分布研究 HZZ 反常耦合	WANG Youkai
10:55	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at 13 TeV with the CMS detector	GUO Qianying
11:10	Higgs coupling with bottom and top quarks: from discovery to measurement	LIU Kun
11:25	Higgs decays to dimuon and di-charm with the ATLAS detector	LI Haifeng

11:40	Observation of tW in lepton + jets channel and Study of $t\bar{t}H$ in multilepton channel with the CMS detector	ZHANG Huaqiao
下午-I	Chair: 李强	
14:00	Observation of EW Vector Boson Scattering in the $ZZjj$ Channel with the ATLAS Detector	LI Bing
14:15	Observations and measurements of Z and photons' scattering and interactions with the CMS detector	AN Ying
14:30	Drell-Yan rapidity distribution at N3LO	ZHU HuaXing
14:45	Inclusive and VBS W +photon with the CMS detector	LU meng
15:00	Master integrals for the mixed QCD-QED corrections to the Drell-Yan process with lepton mass dependence	LONG Mingming
15:15	High precision boson-jet correlation at the LHC	邵鼎煜
下午-II	Chair: 阮曼奇	
15:40	Higgs & Top Physics at the CEPC	FANG Yaquan
15:55	EW Physics at the CEPC	LIANG Zhijun
16:10	Flavor Physics Program at the CEPC	LI Lingfeng
16:25	QCD measurements at the CEPC	ZHU HuaXing
16:40	BSM program at the CEPC	ZHUANG Xuai
16:55	Progress of the new software framework for future Higgs factories	LIN Tao

8月17日(周二)

分会 II: 强子物理与味物理

	报告题目	报告人
上午-I	Chair:	
8:30	The contribution of QCD trace anomaly to hadron mass	HE Fangcheng
8:50	Determination of some quantities and mixed action effect in	ZHAO Dianjun

	lattice QCD	
9:10	The mixing of η_c and the Pseudoscalar Glueball	ZHANG Ren-qiang
9:30	Dibaryon with highest charm number near unitarity from lattice QCD	TONG Hui
9:50	A new method for a lattice QCD calculation of $\eta_c \rightarrow 2\gamma$	MENG Yu
10:10	Trace anomaly contribution to hydrogen atom mass	SUN Bao-Dong
上午-II	Chair:	
10:40	Towards precision calculations of partonic structure of hadrons	ZHANG Jianhui
11:00	Parton Distribution Functions Matching in Large Momentum Effective Theory	ZHU Ruilin
11:20	Distribution Amplitudes of K^* and ϕ from Lattice QCD	HUA Jun
11:40	Lattice-QCD Calculations of Collins-Soper Kernel through TMD Wave Function	楚旻寰
11:55	Lattice ensembles generation with Clover actions	SUN peng
下午-I	Chair:	
14:00	Theory of Exclusive B-meson Decays	WANG Yuming
14:20	Inclusive search for Ξ_{bc}	QIN Qin
14:40	Test of quantum nonlocality with branching ratios of $\$K_{SK_S}\$$ in vector meson decays	JIANG Peicheng
15:00	Light-front approach to nucleon structure	ZHAO Xingbo
15:20	Hadronic decays of charmed hadrons at BESIII	LI Lei
下午-II	Chair:	
16:05	Flavor physics at Belle II	单葳
16:20	Exotic states at Belle II	姬清平
16:35	Progress of EMC software in the PANDA experiment	SUN

		Sheng-Sen
16:50	Status of EicC	田野
17:05	Experimental Program for Super Tau-Charm Facility	ZHOU Xiaorong

8月17日(周二)		
分会 III: 重离子物理		
	报告题目	报告人
上午-I	Chair: 王群	
8:30	Correlated Dirac eigenvalues and axial anomaly in chiral symmetric QCD	DING Heng-Tong
8:55	Recent heavy-ion results from STAR	朱相雷
9:20	Momentum dependence of light nuclei production in p-p, p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider	王瑞芹
9:35	Intermittency analysis of proton numbers in relativistic heavy-ion collisions	李治明
9:50	Light and strange hadron production and anisotropic flow measurement in Au + Au collisions at $\sqrt{s_{\text{NN}}}=3$ GeV from STAR experiment	ZHOU Yingjie
10:05	Non-Gaussian shaped density profile in light nuclei production in heavy ion collision	吴善进
10:20	Fluctuations and correlations of net baryon number, electric charge and strangeness in a background magnetic field	LI Sheng-Tai
上午-II	Chair: 邵凤兰	
10:40	RHIC 上电磁探针研究进展与实验计划	杨驰

11:05	The higher order effect in coherent photon production	查王妹
11:30	Low- p_T $\mu^+\mu^-$ pair production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV at STAR	ZHOU Jian
11:45	Heavy flavor quenching and flow from low to high transverse momenta	XING Wen-Jing
下午-I	Chair: 侯德富	
14:00	Axial kinetic equations for QED from Kadanoff-Baym equation	LIN Shu
14:25	手征反常效应的实验测量进展	SHOU Qiye
14:40	Second-order charge currents and stress tensor in a chiral system	YANG Shi-Zheng
14:55	X(3872) production in heavy-ion collisions	CHEN Baoyi
15:10	sPHENIX: The next generation heavy ion experiment at RHIC	OKAWA Hideki
下午-II	Chair: 冯笙琴	
15:40	Overview of recent highlights on open heavy-flavor production with ALICE at the LHC	ZHANG Xiaoming
16:05	Measurement of the inclusive J/ψ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE	BAI Xiaozhi
16:20	J/ψ production in jets in p+p collisions at $\sqrt{s} = 500$ GeV	YANG Qian
16:35	Measurement of D^{\pm} meson production and total charm production yield at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV with the STAR experiment	JU Xinyue
16:50	Recent measurements on open heavy flavor at STAR	CHEN Xiaolong

8月17日(周二)		
分会 IV: 中微子物理、粒子天体物理与宇宙学		
	报告题目	报告人
上午-I	Chair:	
8:30	宇宙线电子的起源	许伟伟
8:45	AMS 实验每天电子流强的测量与周期性特征分析	SU Tong
9:00	FIMP Dark Matter from Leptogenesis in Fast Expanding Universe	HAN Zhi-Long
9:15	Dark Matter Indirect Search in the CMB	GAO Yu
9:30	New approaches to explore dark matter	HUANG Fa Peng
9:45	Exploring axion dark matter through radio signals from magnetic white dwarf stars	YIN Peng-Fei
10:00	Dark Matter Freeze-out via Catalyzed Annihilation	邢传阳
上午-II	Chair:	
10:40	Fast Gravitational Wave Burst from Axion Clumps	ZHANG Yun-Long
11:00	电弱格点模拟相变引力波与原初磁场	边立功
11:20	Lorentz Violation of Cosmic Photons from Phenomenological and Theoretical Viewpoints	MA Bo-Qiang
11:40	Positivity bounds, UV states and SMEFT	ZHOU Shuang-Yong
下午-I	Chair:	
14:00	Explicit Perturbations to the Stabilizer $\tau = \{\text{rm } i\}$ of Modular A^{\prime_5} Symmetry and Leptonic CP Violation	WANG Xin

14:15	Inverse Seesaw Model with a Modular S4 Symmetry: Lepton Flavor Mixing and Warm Dark Matter	张忻怿
14:30	中微子跷跷板模型的简化结构	赵振华
14:45	The scattering of Majorana fermion by torsion field	XUE Xun
15:00	Breaking Peccei-Quinn Symmetry at Low Scales	GU Peihong
15:15	Radiative neutrino masses, lepton flavor mixing and muon $g-2$ in a leptoquark model	DI Zhang
下午-II	Chair:	
15:40	Flavor Invariants and CP Violation in the Leptonic Sector with Majorana Neutrinos	郁槟榕
15:55	Feasibility of detecting 8B solar neutrinos at JUNO	ZHAO JIE Jie
16:10	$1 \leftrightarrow 2$ Processes of a Sterile Neutrino Around Electroweak Scale in the Thermal Plasma	TANG Yi-Lei
16:25	Measurement of Cosmogenic Background at China Jinping Underground Laboratory	ZHAO Lin
16:40	Reconstruction with Water-based scintillator	LUO Wentai
16:55	Reconstruction of Particle Trace in Liquid Scintillator Detector	王宇逸

8月17日(周二)

分会 V: 粒子物理实验技术

	报告题目	报告人
上午-I	Chair: 刘建北	
8:30	新型多通道读出电子学在粒子探测器中的应用	胡坤
8:50	Development of High Voltage CMOS based Silicon Tracker for CEPC	李一鸣
9:05	Development of IHEP low gain avalanche devices for	ZHAO Mei

	ATLAS HGTD project	
9:20	Development of Radiation-hard LGAD at USTC	YANG Xiao
9:35	AC-coupled LGAD and Large-area LGAD for electron-positron collider	LI Mengzhao
9:50	PandaX-30T 电子学系统预研	何昶达
10:05	Characterization of SOI pixel sensor using pinned depleted diode structure for CEPC vertex	DONG Jing LU Yunpeng
上午-II	Chair: 祝成光	
10:40	CMOS 像素芯片 JadePix3 的性能测试	LU Yunpeng
11:00	HERD 量能器研究进展	王志刚
11:15	SOI-3D 技术在顶点探测器中的应用	ZHOU Yang
11:30	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	HEPS-BPIX2: the Hybrid Pixel Detector with TSV Processing for High Energy Photon Source	ZHANG Jie WEI Wei
下午-I	Chair: 欧阳群	
14:00	NICA/MPD 实验新型电磁量能器研制及生产	WANG Yi
14:20	A novel concept of 4D crystal calorimetry for future lepton colliders: R&D highlights	LIU Yong SUN Sheng-Sen
14:35	Development of the CMS-HGCAL silicon module center in Beijing	ZHANG Huaqiao
14:50	On-orbit performance of the DAMPE BGO calorimeter	WEI Yifeng
15:05	R&D activities of highly granular hadron calorimeters for the CEPC	石禹坤
15:20	Design and performance studies of the electromagnetic calorimeter for STCF	SONG Yong

下午-II	Chair: 刘树彬	
15:40	Development status of the neutron detectors for instruments at CSNS	孙志嘉, 周健荣
16:00	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	JI Xuantao
16:15	新型低温粒子探测器 NTD-Ge 传感器的研发	薛明萱
16:30	基于散射成像法的宇宙线缪子动量测量研究	文群刚
16:45	基于 Micromegas 的高分辨缪子成像系统研究	WANG Yu
17:00	基于中国散裂中子源的正反缪子素转换实验	鲍煜
17:15	The 3-inch PMT system of JUNO experiment	HUANG Yongbo

8月17日(周二)

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	报告题目	报告人
14:00	Hadronic Effects on Charmium Elliptic Flows in Heavy-Ion Collisions	JIANG liu CHEN Baoyi
14:02	Search for invisible decays and J/psi weak decay at BESIII	LI Ziyuan
14:04	Development of the readout system for CEPC AHCAL prototype	LIU Hao
14:06	The charged hadron production with collinearly-improved unintegrated gluon distribution in heavy-ion collisions	赵文铎
14:08	The performance of IHEP-NDL and IHEP-IME LGAD sensors after neutron Irradiation	FAN Yunyun
14:12	Measurement of proton-Ξ correlation function in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV by STAR experiment at	米柯

	RHIC	
14:16	Un-binned Angular Analysis of $B \rightarrow D^* l \nu$ and the Right-handed Current	唐儒英
14:18	Light hyperon physics at BESIII	JI Yuyao
14:20	Remarks on the composite nature of the light scalar meson $f_0(980)$	WANG ZEQIANG
14:22	The event data visualization tool for PandaX-4T experiment	ABDUKERIM Abdusalam
14:24	Measurement of Intermittency for Charged Particles in Au + Au Collisions at $\sqrt{s_{NN}}=7.7-200$ GeV from STAR	WU Jin
14:26	Collectivity arising from interference in small and large systems with HBT suppressions	RU Peng
14:28	Hard probes production in pPb collisions at LHCb	杨迪
14:30	QLBT: A linearized Boltzmann transport model for heavy quarks in a hot nuclear medium of quasi-particles	刘峰磊
14:32	Accurate and Robust PMT Waveform Analysis	XU Dacheng
14:36	微结构探测器和新型电磁量能器的研制与应用	LI Xiaomei
14:38	J/ψ production in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 54.4$ GeV	SHEN Kaifeng
14:40	Measurement of EW bosons production with ALICE (on behalf of ALICE Collaboration)	ZHAO Mingrui
14:42	Lepton pair production in ultra-peripheral collisions in classical field approximation	王仁杰
14:44	Revisit local spin polarization beyond global equilibrium in relativistic heavy ion collisions	易聪 PU Shi
15:40	Light Nuclei Production in Au+Au Collisions at $\sqrt{s_{\mathrm{NN}}} = 3$ GeV from STAR experiment	LIU Hui
15:42	A method for sharing dynamic geometry information in	李静舒

	studies on liquid-based detectors	
15:44	Decays studies of charmonium states at BESIII	YU Gang
15:46	Design and Study of Electromagnetic Calorimeter for Super Tau-Charm Facility	贾泽坤
15:48	Study of $\phi(2170)$ at BESIII	ZHANG Yateng
15:50	Feasibility study of measuring $b \rightarrow s \gamma$ photon polarization in $D^0 \rightarrow K_1(1270)^- e^+ \nu_e$ at STCF	范玉兰
15:52	Progress on the CMS-HGCAL silicon modules: assembly and quality control	WANG Feng
15:54	The Application of the geo-magnetic shielding in WCDA	YOU Xiaohao
15:56	RHIC 能区喷注淬火的系统尺寸依赖的实验研究	HE Yang
15:58	X atom	ZHANG zhenhua
16:00	Heavy and light jet quenching in different collision systems at the LHC energies	LIU Yu-Fei
16:02	Collective expansion in p-p collisions using the Tsallis statistics	顾锦彪
16:04	Particle-yield modification in jet-like azimuthal V^0 -hadron correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE at the LHC	ANAAM Mustafa
16:06	Propagator generation with Chroma+QUDA for various fermion actions	张宽
16:08	Explore the collision geometry using the linear polarized photons	吴鑫
16:10	Hamiltonian effective field theory in elongated or moving finite volume	LI Yan
16:12	Lifetime measurements of Λ^3_H and Λ^4_H in Au+Au Collisions at $\sqrt{s_{NN}} = 7.2$ GeV from STAR fixed target mode	LI Xiujun

	experiment	
16:14	Lattice QCD calculations of TMD soft function through large-momentum effective theory	张其安
16:16	Charmed baryon Ξ_c decays from lattice QCD	WANG Wei
16:18	Data-driven isolation for charm and beauty decay electrons at RHIC and LHC	SI Fan
16:20	The fully-heavy tetra-quark system interact via the Pomeron exchange	GONG Chang
16:22	Study of light axial-vector meson spectra	DU Mengchuan
16:24	Search for Higgs boson production in association with energetic photon via VBF mode and search for high mass resonance decaying to a Higgs boson and a photon resonance with the ATLAS detector	崔涵
16:26	Di-boson simulation and precise measurement of $Z\gamma$ analysis in ATLAS detector	LIU Danning
16:28	Observation of electroweak production of two jets and a Z-boson pair with the ATLAS detector	CHEN Jing
16:30	Semi-leptonic $t\bar{t}$ Calibration of $X \rightarrow b\bar{b}$ tagger	LIU Qibing
16:32	Search for a permanent muon electric dipole moment at the Fermilab Muon g-2 experiment	HU Tianqi
16:34	Theoretical uncertainties in strong first-order phase transitions	FOWLIE Andrew
16:36	R&D for the Dark SHINE hadronic calorimeter	LIU Hanqing
16:38	Measurement of the branching ratio of radiative muon decay at the Fermilab Muon g-2 experiment	CHEN cheng
16:40	Implement NN Pixel Clustering in ATLAS Inner Detector Trigger for b-jet Signature	WANG Zhen

8月18日(周三)		
分会 I: TeV 物理和超出标准模型新物理		
	报告题目	报告人
上午-I	Chair: 舒菁	
8:30	Recent Dark Matter Search Results from ATLAS	XU Lailin
8:50	Pseudo-Nambu-Goldstone dark matter, first-order phase transitions, and gravitational waves	YU Zhao-Huan
9:10	Light sneutrino and neutralino as dark matter candidates in $U(1)_{XSSM}$	ZHAO Shu Min
9:30	ForwArd Search ExpeRiment at the LHC	逢昊
09:50	Affleck-Dine Leptogenesis from Higgs Inflation	HAN Chengcheng
上午-II	Chair: 陈申见	
10:40	费米缪子反常磁矩实验	LI Bingzhi
11:00	Search for the $\mu \rightarrow e \gamma$ by muon to electron conversion: COMET and Mu2e	ZHANG Yao
11:20	Progress of Muonium to Antimuonium Conversion Experiment (MACE) at EMuS	TANG Jian
11:40	散裂中子源上的实验型缪子源装置	ZHAO Guang

8月18日(周三)		
分会 II: 强子物理与味物理		
	报告题目	报告人
上午-I	Chair:	

8:30	Study of doubly charmed baryons at LHCb	ZHOU Yixiong
8:45	Recent results of beauty-charm hadrons at LHCb	LI Shiyang
9:00	Measurement of Ω_c^0 and Ξ_c^0 lifetime with prompt production at LHCb	敖冬
9:20	Leptonic and semileptonic D decays at BESIII	潘祥
9:40	Baryon/Lepton number violation searches at BESIII	焦健斌
9:55	Recent result of nucleon time-like form factors at BESIII	XIA Lei
10:10	Hyperon pair production at BESIII	王维平
上午-II	Chair:	
10:40	Isospin Symmetry of Fragmentation Functions	潘艳蕾
11:00	Semi-inclusive decay of heavy quarkonium hybrids into quarkonium in the EFT framework	LAI Wai Kin
11:20	A simple prescription for covariant chiral effective theories	YANG Ji-Feng
11:40	Transverse Lambda hyperon polarization at lepton colliders	邵鼎煜
下午-I	Chair:	
14:00	Light hyperon physics at BESIII	JI Yuyao
14:15	Study of $\phi(2170)$ at BESIII	ZHANG Yateng
14:30	Decays studies of charmonium states at BESIII	YU Gang
14:45	Remarks on the composite nature of the light scalar meson $f_0(980)$	WANG Zeqiang
15:00	The fully-heavy tetra-quark system interact via the Pomeron exchange	GONG Chang
15:15	Study of light axial-vector meson spectra	DU Mengchuan
15:30	X atom	ZHANG Zhenhua

下午-II	Chair:	
15:55	Search for invisible decays and J/psi weak decay at BESIII	LI Ziyuan
16:10	Feasibility study of measuring $b \rightarrow s \gamma$ photon polarization in $D^0 \rightarrow K_1(1270)^- e^+ \nu_e$ at STCF	范玉兰
16:25	Un-binned Angular Analysis of $B \rightarrow D^* l \nu$ and the Right-handed Current	唐儒英
16:40	Charmed baryon Ξ_c decays from lattice QCD	HUANG Fei
16:55	Lattice QCD calculations of TMD soft function through large-momentum effective theory	张其安
17:10	Propagator generation with Chroma+QUDA for various fermion actions	张宽
17:25	Hamiltonian effective field theory in elongated or moving finite volume	LI Yan

8 月 18 日 (周三)		
分会 III: 重离子物理		
	报告题目	报告人
上午-I	Chair: 马国亮	
8:30	RHIC-STAR 重离子碰撞实验中集体运动的研究进展	施梳芬
8:55	The fluid nature of the QGP	宋慧超
9:20	Attractor solution and emergence of hydrodynamics in heavy-ion collisions. (吸引子解和重离子碰撞中的流体力学现象)	严力
9:45	高能核碰撞中的 QGP 纵向演化及轻强子直接流唯象理论研究	JIANG Ze-fang

8 月 18 日 (周三)

10:00	Studying the initial geometry and the QGP properties by directed flow of inclusive jets in heavy-ion collisions	NIE Maowu
10:15	Study of nonlinear flow and symmetric cumulants in large and small systems (for ALICE collaboration)	ZHAO Mingrui
上午-II	Chair: 肖博文	
1040	STAR 实验核子自旋结构新进展	林挺
11:05	Collectivity arising from interference in small and large systems with HBT suppressions	茹芑
11:20	Investigating high energy proton proton collisions with a multi-phase transport model approach based on PYTHIA8 initial conditions	ZHENG Liang
11:35	Multiple parton scattering and gluon saturation in dijet production at EIC	ZHANG Yuanyuan

8 月 18 日 (周三)		
分会 IV: 中微子物理、粒子天体物理与宇宙学		
	报告题目	报告人
上午-I	Chair:	
8:30	Direct neutrino mass measurements with KATRIN experiment	XU Weiran
8:45	CDEX 暗物质实验现状与展望	杨丽桃
9:00	Results of dark matter search using the full PandaX-II exposure	王秋红
9:15	CDEX-300v 实验计划	MA Hao
9:30	利用 PandaX-II 全部数据限制自相互作用暗物质	YANG Jijun

9:45	CDEX 实验中基于 Migdal 效应的百兆电子伏特轻暗物质探测	刘仲智
10:00	Search for sub-GeV dark matter boosted by the cosmic rays using the full PandaX-II exposure data	崔祥仪
10:15	基于气体时间投影室寻找无中微子双贝塔衰变的本底信号鉴别的研究	李涛
上午-II	Chair:	
10:40	PandaX 实验寻找 136-氙双贝塔衰变(NL)DBD-ES	LUO Lingyin
10:55	基于 CDEX-10 实验的暗光子动能混合参数限制	余泽
11:10	Search for Light Dark Matter–Electron Scattering in the PandaX-II Experiment	CHENG Chen
11:25	Search for dark matter in effective field theory model and cosmic ray boosted model with full PandaX-II exposure data	NING Xuyang
11:40	Constraints on neutrino electromagnetic properties from COHERENT elastic neutrino-nucleus scattering	ZHANG YIYU

8月18日(周三)

分会 V: 粒子物理实验技术

	报告题目	报告人
上午-I	Chair: 郑阳恒	
8:30	Vertex and Energy Reconstruction in large-volume liquid scintillator detectors with Machine Learning Methods	QIAN Zhen
8:50	Position reconstruction for the PandaX-4T experiment	顾琳慧

9:05	Data processing and simulation in PandaX-4T	谌勋
9:20	Detector geometry management system designed for Super Tau Charm Facility offline software	LI He
9:35	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
9:50	Crystal bolometer output raw data process with optimal filter assisted	ZHAO Kangkang
10:05	RPC Upgrade for ATLAS Phase-II	GUO Jun
上午-II	Chair: 杨勇	
10:40	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	Radioactivity measurement of high precise U and Th in different materials using ICP-MS	李院霞
11:15	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	用于极低放射性材料筛选的带电粒子谱仪的研发	DU Haiyan
11:45	Pile-up reconstruction in liquid scintillator detectors using general statistical approach	武益阳