

中国物理学会高能物理分会

最佳墙报报评选

2024-8-17

参赛墙报 (共计85个墙报)

编号	题目	作者
1-01	Subtraction of top pair events in tWb production at one-loop level	DONG Liang
1-02	The resummation of large logarithms at subleading power in loop-induced processes	张大江
1-03	CP violation in boosted top quark decay	毕琪
1-04	基于未来电子缪子对撞机的带电轻子味道破坏过程研究	丁然
1-05	DM search at Belle II	梁锦汉
1-06	基于《强子作为非拓扑孤立子的SU(5)大统一模型》对一个新实验现象的解释	Shihao Chen
1-07	Complementary LHC searches for UV resonances of $0\nu\beta\beta$ decay operators	赵祥
1-08	Searching for heavy neutral lepton and seesaw mechanisms at muon colliders	袁满
1-09	Status of SCEPTOR experiment	刘贝戈
1-10	The Status of Muon g-2 Experiment at Fermilab and Slow Term Effect Study in Muon Anomalous Frequency Analysis	Zejia Lu
1-11	Photon Identification Calibration using electrons from Z decays	刘康
1-12	Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at 13 TeV with the ATLAS detector	HUANG Xinhui
1-13	Search for Pair Production of Boosted Higgs Bosons via Vector-Boson Fusion in the $b\bar{b}b\bar{b}$ Final State Using pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector	郑金超
1-14	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at 13 TeV (CMS)	侯宝瑞
1-15	Search for nonresonant Higgs boson pair production in the $WW\gamma\gamma$ channel in pp collisions at 13 TeV (CMS)	张镇轩
2-01	Search for the Rare Decays $D_{s1}^+ \rightarrow h^+ (h^0) e^+ e^-$	刘雪吟
2-02	Search for the charmonium weak decay $J/\psi \rightarrow Ds-\rho^+$ and $J/\psi \rightarrow Ds-\pi^+$ at BESIII	詹永华
2-03	Hunting for the massless dark photon with charm FCNC process at BESIII	李志军
2-04	Progress on the charmonium decays at BESIII	程利娜
2-05	The $f_0(980)$ and $K^*(892)$ in the Cabibbo-favored process $D^0 \rightarrow \pi^0 \pi^0 K^0$	张晓慧

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编号	题目	作者
3-01	Collective flow in asymmetric collisions of deformed nuclei	Hadi Mehrabpour
3-02	Measurement of d-Lambda correlation in 3 GeV Au+Au collisions at STAR	Xialei Jiang
3-03	Light nuclei production in isobaric $^{96}_{44}\text{Ru} + ^{96}_{44}\text{Ru}$ and $^{96}_{40}\text{Zr} + ^{96}_{40}\text{Zr}$ collisions at $\sqrt{s_{\text{NN}}} = 7.7 - 200$ GeV from a multiphase transport model	李飞
3-04	Measurement of Ξ_{c}^0 and Ξ_{c}^+ production as a function of multiplicity in pp collision at $\sqrt{s}=13$ TeV	T Fang
3-05	Momentum and angular correlations in Z/ γ -hadron production in relativistic heavy-ion collisions	胡鹏辉
3-06	Production of light nuclei in Au+Au collisions with the STAR BES-II program	金宜萱
3-07	Measurements of two-pion femtoscopy in Au+Au Collisions at $\sqrt{s_{\text{NN}}} = 3.0, 3.2, 3.5,$ and 3.9 GeV from RHIC-STAR	綦猷全
3-08	Hyperon polarization along the beam direction in pPb collision at CMS	李辰艳
3-09	Measurement of Proton-Xi Correlation Functions in Au+Au and Isobar Collisions with the STAR Detector	付博洋
3-10	Probing the Initial State and Directed Flow of Charged Hadrons in Asymmetric Collisions	江泽方
3-11	Phenomenological study of the angle between jet axes in heavy-ion collisions	康锦文
3-12	Deep learning on jet modification in the presence of the QGP background	李然
3-13	Estimate the magnetic field in heavy-ion collisions by virtual photon polarization and dilepton anisotropy	Minghua Wei
3-14	Productions of light nuclei and hyper-nuclei in heavy-ion collisions at the LHC	王瑞芹
3-15	Measurement of K _{0s} -K _{0s} correlation function in Au+Au collisions at the high baryon density region	张李昂
3-16	Analytical solution of the nonlinear QCD evolution equations using the homogeneous balance method	蔡燕兵
3-17	基于AMPT模型对isobar实验中手征磁效应及其椭圆流关系的研究	王宇
3-18	高能重离子碰撞中夸克自旋关联和自旋 3/2 重子的张量极化	俞子涵
3-19	使用核碰撞模拟与机器学习研究原子核内两核子关联	黄宇靖
3-20	Global spin polarization of Λ hyperons in fixed target Au+Au collisions in STAR experiment at RHIC	路坦
3-21	Production of Proton and Light Nuclei in Au+Au Collisions by RHIC-STAR in the High Baryon Density Region	Hui Liu
3-22	Vortical structure and the effects on directed flow in non-central relativistic heavy-ion collisions from a multiphase transport model	巨欣跃

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编号	题目	作者
4-01	Prospects for observing neutrino sources with the High-energy Underwater Neutrino Telescope	黄天奇
4-02	JUNO实验的数据质量监控系统	黄凯旋
4-03	Investigating Dark Matter in Antiproton Cosmic Rays and Searching for Antimatter in Cosmic Rays with DAMPE	Zhi-Hui Xu
4-04	Properties of Forbush decreases of electrons and positrons revealed by the Dark Matter Particle Explorer	wenhao li
4-05	Latest result on searching for fractionally charged particles with the DAMPE	赵聪
4-06	RELICS探测器的电场设计和光学模拟	刘佳俊
4-07	无中微子双贝塔衰变实验中计数法与拟合法的对比	付昊阳
4-08	利用国际空间站上的AMS实验测量宇宙线电子、正电子的各向异性	苏彤
4-09	CDEX实验中新型暗物质相互作用研究	刘家璇
4-10	Spectral Analysis of Lithium, Beryllium and Boron Nuclides with DAMPE	Chen Zhan-Fang
4-11	Event reconstruction of atmospheric neutrinos using Machine Learning-based method in JUNO	Wing Yan Ma
4-12	CICENNS: 300-kg CsI(Na) Detector for Coherent Elastic Neutrino-Nucleus Scattering (CEvNS)	黄振秀
5-01	The cryogenics and purification for the next generation liquid xenon detector	赵力
5-02	Visualizing BESIII Events with Unity	Jingshu Li
5-03	高能物理探测器描述到FBX建模的通用转化接口与可视化开发	宋天资
5-04	BESIII上强子的飞行时间修正	袁昊
5-05	从 DD4hep到FBX探测器描述自动转换的新方法	YuJie Zeng
5-06	Tracking system at the DarkSHINE experiment	刘康
5-07	未来HL-LHC上ATLAS实验ITk探测器的四维径迹重建模拟研究	艾小聪
5-08	CEPC 束流本底研究和对撞区优化设计	石澔琦
5-09	PandaX4T run0+run1 信号响应模型	罗云阳
5-10	CEE (csr external experiment) TPC 全流程进展介绍	刘成洋
5-11	Tau reconstruction, identification and calibration of the ATLAS experiments at the LHC	Yang Liu

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编号	题目	作者
5-12	塑料闪烁光纤的模拟和测试	李慧玲
5-13	Detecting highly collimated photon-jets from Higgs boson exotic decays with deep learning	艾小聪
5-14	用于微结构气体探测器读出的多通道模数混合芯片研究	李嘉铭
5-15	CEPC的时间飞行时间及外层径迹探测器研究	樊云云
5-16	Performance studies of a SiPM-readout system with a pico-second timing chip	Xin Xia
5-17	R&D of Dark SHINE Electromagnetic Calorimeter	Zhiyu Zhao
5-18	Studies on timing performance of BGO crystal scintillator	Zhiyu Zhao
5-19	CEPC漂移室模拟与径迹重建算法	刘梦瑶
5-20	Measurement of alpha contamination of Po210 using a BGO cryogenic bolometer	段德勇
5-21	RELICS液氙反应堆中微子探测器原型机的测试进展	赵一飞
5-22	CEE实验中的通用流处理数据获取系统架构: D-Matrix	张雷
5-23	Electrical testing in ITk module assembly	Chengwei Wang
5-24	应用于高能物理实验的多通道、高分辨率TDC芯片设计与实现	赵子崑
5-25	基于多极性QDC的PET探测器评估	王博
5-26	Development of highly granular hadronic calorimetry with glass scintillator tiles	Dejing Du
5-27	CEPC液闪-钨薄片型电磁量能器设计和初步测试	汪恒宇
5-28	Mass production of RPC readout panels for ATLAS Phase-II upgrade and R&D on thin gas gap production at USTC	杜东硕
5-29	用于TES探测器的单通道DC-SQUID 读出电子学	李楠
5-30	低温晶体量热器中NTD-Ge热传感器的制备和特性研究	薛明萱
5-31	Lumical Detector Design and Reconstruction Algorithm	孙行阳

评审专家名单

评审专家 (16人) :

1. 于江浩, 袁 丽, 李 冰, 高 俊
2. 何吉波, 吴佳俊, 冯 旭, 周小蓉
3. 邢宏喜, 宋慧超, 朱相雷, 张晓明
4. 于泽源, 郭宗宽, 徐东莲, 李 哲
5. 赵 雷, 刘 勇, 朱宏博, 艾小聪

TeV物理和超出标准模型新物理

强子物理与味物理

超重离子物理

中微子物理、粒子天体物理与宇宙学

粒子物理实验技术

最佳墙报评选结果



优秀墙报

1. TeV物理和超出标准模型新物理:

董亮 (山东大学); 郑金超 (南京大学); 王储 (中国科学院高能物理研究所)

2. 强子物理与味物理:

李志军 (中山大学); 程利娜 (南开大学); 张晓慧 (郑州大学)

3. 高能重离子物理:

綦猷全 (华中师范大学); 李辰艳 (山东大学); 俞子涵 (山东大学)

4. 中微子物理、粒子天体物理与宇宙学:

颜玺雨 (中山大学); 尚晓凤 (上海交通大学); 程捷 (华北电力大学)

5. 粒子物理实验技术:

赵一飞 (清华大学); 王博 (山东大学); 赵康康 (中国科学技术大学)



衷心感谢

- 各位评委专家
- 所有报告人
- 报告组织者
- 大会组委会