

27th Mini-workshop on the frontier of LHC

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Registration

Friday, 19 January 2024 14:00 (6 hours)

Contribution ID: 2

Type: **not specified**

Welcome

Saturday, 20 January 2024 09:00 (20 minutes)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

LHC 实验综述：标准模型精确检验

Saturday, 20 January 2024 09:20 (45 minutes)

Presenter: 成, 国光 (北京航空航天大学)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

LHC 实验综述：新物理直接寻找

Saturday, 20 January 2024 10:25 (45 minutes)

Presenter: 李, 数 (上海交通大学)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

长寿命粒子理论研究

Saturday, 20 January 2024 11:10 (45 minutes)

Presenter: 刘, 佳 (北京大学)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

量子化与规范对称性——从费曼 1948 年一个未发表的 推导谈起

Saturday, 20 January 2024 14:10 (30 minutes)

Presenter: 朱, 守华 (北京大学)

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

轴子量子化

Saturday, 20 January 2024 14:40 (30 minutes)

Presenter: 张, 昊 (中科院高能所)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

未来对撞机上类轴子粒子

Saturday, 20 January 2024 15:10 (20 minutes)

Presenter: 杨, 硕 (辽宁师范大学)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

对撞机与引力波实验中的电弱相变物理

Saturday, 20 January 2024 15:50 (40 minutes)

Presenter: 黄, 发朋 (中山大学)

Session Classification: Session 2

Contribution ID: 10

Type: **not specified**

耗散效应作为宇宙相变的新观测量

Saturday, 20 January 2024 16:30 (20 minutes)

Presenter: 郭, 怀珂 (中国科学院大学)

Session Classification: Session 2

Contribution ID: 11

Type: **not specified**

PhaseTracer 2: 从有效势到相变性质

Saturday, 20 January 2024 16:50 (20 minutes)

Presenter: 张, 阳 (郑州大学)

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

LHC 精确时代的 PDF

Saturday, 20 January 2024 17:10 (20 minutes)

Presenter: 谢, 可平 (密歇根州立大学)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

对撞机上 W 玻色子对的贝尔不等式破坏

Saturday, 20 January 2024 17:30 (15 minutes)

Presenter: 程, 国 (北京大学)

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

Cutting-edge jet 网络以及它们对 LHC 上强子道寻找的影响

Saturday, 20 January 2024 17:45 (15 minutes)

Presenter: 李, 聪乔 (北京大学)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

LHC 实验综述：味物理研究

Sunday, 21 January 2024 09:00 (45 minutes)

Presenter: 张, 艳席 (北京大学)

Session Classification: Session 3

Contribution ID: 16

Type: **not specified**

利用 LHAASO 实验 GRB 221009A 观测限制类轴子粒子

Sunday, 21 January 2024 09:45 (30 minutes)

Presenter: 毕, 效军 (中科院高能所)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

通过准粒子决定的禁闭 bubble 墙速度

Sunday, 21 January 2024 11:05 (20 minutes)

Presenter: 康, 召丰 (华中科技大学)

Session Classification: Session 3

Contribution ID: 18

Type: **not specified**

可能的超出 LCDM 模型的证据

Monday, 22 January 2024 10:00 (20 minutes)

Presenter: 杨, 荣佳 (河北大学)

Session Classification: Session 5

Contribution ID: 19

Type: **not specified**

脉冲星时间阵列观测中宇宙学引力波背景的各向异性

Sunday, 21 January 2024 11:45 (20 minutes)

Presenter: 丁, 然 (安徽大学)

Session Classification: Session 3

Contribution ID: 20

Type: **not specified**

希格斯的性质和超出标准模型的新物理

Sunday, 21 January 2024 14:10 (30 minutes)

Presenter: 岩, 斌 (中科院高能所)

Session Classification: Session 4

Contribution ID: **21**

Type: **not specified**

CPV double aligned 2HDMs at LHC

Sunday, 21 January 2024 14:40 (20 minutes)

Presenter: TAKEUCHI, Michihisa (中山大学)

Session Classification: Session 4

Contribution ID: 22

Type: **not specified**

LHC 上 130 GeV 带电标量衰变到 c 和 b 夸克过程可能超出

Sunday, 21 January 2024 15:00 (20 minutes)

Presenter: 宋, 慕源 (北京大学)

Session Classification: Session 4

Contribution ID: 23

Type: **not specified**

中微子有效场论

Sunday, 21 January 2024 15:40 (30 minutes)

Presenter: 马, 小东 (华南师范大学)

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

对撞机上重中性轻子的寻找

Sunday, 21 January 2024 16:10 (20 minutes)

Presenter: 王, 科臣 (武汉理工大学)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

利用 LHC 寻找与无中微子双贝塔衰变相关的高能实现

Sunday, 21 January 2024 16:30 (15 minutes)

Presenter: 赵, 祥 (中山大学)

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

希格斯相关新物理过程振幅 CP 破坏相位和分解关系

Sunday, 21 January 2024 16:45 (20 minutes)

Presenter: 王, 由凯 (陕西师范大学)

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

Axion and Dark Photon Effective Field Theory

Sunday, 21 January 2024 17:05 (15 minutes)

Presenter: 孙, 浩 (中科院理论所)

Session Classification: Session 4

Contribution ID: 28

Type: **not specified**

SMEFT 和 HEFT 中 Hilbert 级数和 CP 不变量

Sunday, 21 January 2024 17:20 (15 minutes)

Presenter: 王, 一宁 (中科院理论所)

Session Classification: Session 4

Contribution ID: 29

Type: **not specified**

WIMP 暗物质实验探测最新进展

Monday, 22 January 2024 08:30 (45 minutes)

Presenter: 周, 宁 (上海交通大学)

Session Classification: Session 5

Contribution ID: 30

Type: **not specified**

波动暗物质

Monday, 22 January 2024 09:15 (45 minutes)

Presenter: 安, 海鹏 (清华大学)

Session Classification: Session 5

Contribution ID: 31

Type: **not specified**

Majoron 暗物质和电弱重子产生

Sunday, 21 January 2024 10:15 (20 minutes)

Presenter: 晁, 伟 (北京师范大学)

Session Classification: Session 3

Contribution ID: 32

Type: **not specified**

LHC 实验综述：超对称寻找

Monday, 22 January 2024 10:40 (45 minutes)

Presenter: 刘, 洋 (中山大学)

Session Classification: Session 5

Contribution ID: 33

Type: **not specified**

利用 Z' 解释 CDF 实验 W 粒子质量偏离以及它对 $b \rightarrow s$ II 过程的启示

*Monday, 22 January 2024 11:25 (20 minutes)***Presenter:** 袁, 兴博 (华中师范大学)**Session Classification:** Session 5

Contribution ID: 34

Type: **not specified**

在正负电子和电子质子对撞机上寻找类轴子粒子

Monday, 22 January 2024 11:45 (15 minutes)

Presenter: 王, 晗 (辽宁师范大学)

Session Classification: Session 5

Contribution ID: 35

Type: **not specified**

大型强子对撞机上超外围重离子碰撞中陶轻子对产生过程自旋不对称性和偶极矩

Monday, 22 January 2024 14:10 (30 minutes)

Presenter: 邵, 鼎煜 (复旦大学)

Session Classification: Session 6

Contribution ID: 36

Type: **not specified**

Z+jets 过程方位角关联

Presenter: 王, 群 (DESY)

Session Classification: Session 6

Contribution ID: 37

Type: **not specified**

单横向自旋方位不对称性作为探测标准模型有效场论偶极算符的新方法

Monday, 22 January 2024 14:40 (15 minutes)

Presenter: 文, 新锴 (北京大学)

Session Classification: Session 6

Contribution ID: 38

Type: **not specified**

没有 bubbles 的宇宙学一阶相变

Presenter: 蒋, 国 (中山大学)

Session Classification: Session 6

Contribution ID: 39

Type: **not specified**

相变过程中 FIMP 暗物质的产生和伴随的引力波信号

Monday, 22 January 2024 15:15 (20 minutes)

Presenter: 刘, 学文 (烟台大学)

Session Classification: Session 6

Contribution ID: 40

Type: **not specified**

早期宇宙中来自拓扑缺陷的引力波

Monday, 22 January 2024 15:35 (20 minutes)

Presenter: 余, 钊焕 (中山大学)

Session Classification: Session 6

Contribution ID: 41

Type: **not specified**

标准模型中精确顶夸克宽度

Monday, 22 January 2024 15:55 (20 minutes)

Presenter: 陈, 龙斌 (广州大学)

Session Classification: Session 6

Contribution ID: 42

Type: **not specified**

相对论夸克模型中半轻衰变

Presenter: 康, 现伟 (北京师范大学)

Session Classification: Session 6

Contribution ID: 43

Type: **not specified**

LHC 上希格斯对产生过程电弱修正

Monday, 22 January 2024 16:15 (15 minutes)

Presenter: 余, 怀敏 (北京大学)

Session Classification: Session 6

Contribution ID: 44

Type: **not specified**

会议总结

Monday, 22 January 2024 16:30 (20 minutes)

Presenter: 曹, 庆宏 (北京大学)

Session Classification: Session 6

Contribution ID: 45

Type: **not specified**

展望

Monday, 22 January 2024 16:50 (10 minutes)

Presenter: 高, 原宁 (北京大学)

Session Classification: Session 6

Contribution ID: 46

Type: **not specified**

没有 bubbles 的宇宙学一阶相变

Sunday, 21 January 2024 11:25 (20 minutes)

Presenter: 蒋, 国 (中山大学)

Session Classification: Session 3