

第三届粒子物理前沿研讨会
(The III Workshop on
Frontiers of Particle Physics)

Report of Contributions

Contribution ID: 55

Type: **not specified**

What is the Physics in this Century-Tsutomu T. Yanagida(李政道研究所)

Friday, 22 July 2022 09:00 (45 minutes)

Primary author: YANAGIDA, Tsutomu T.

Contribution ID: 56

Type: **not specified**

W-Boson Scattering and Interactions at the LHC-CMS experiment- Qiang li(北京大学)

Friday, 22 July 2022 09:45 (35 minutes)

Contribution ID: 57

Type: **not specified**

CDF W mass - 易凯 (南京师范大学)

Friday, 22 July 2022 10:35 (35 minutes)

Contribution ID: 58

Type: **not specified**

BES 新物理-赵明刚 (南开大学)

Friday, 22 July 2022 11:45 (35 minutes)

Contribution ID: 59

Type: **not specified**

午餐和午休

Contribution ID: 60

Type: **not specified**

The W boson mass and Muon $g-2$: Hadronic Uncertainties or New Physics? Chih-Ting Lu(南京师 范大学)

Friday, 22 July 2022 15:00 (20 minutes)

Contribution ID: 61

Type: **not specified**

Lepton number violation from neutrinoless double beta decay to colliders-李刚

Contribution ID: 62

Type: **not specified**

Electroweak ALP Searches at a Muon Collider-Lingfeng li

Contribution ID: 63

Type: **not specified**

Neutrino dipole portal at electron colliders: 张宇

Contribution ID: 64

Type: **not specified**

New physics hints under the Higgs Boson Precision Measurements-Wei Su(中山大学)

Saturday, 23 July 2022 15:00 (20 minutes)

Contribution ID: 65

Type: **not specified**

Towards NNLO+PS Matching with Sector Showers-Haitao Li(山东大学)

Friday, 22 July 2022 14:20 (20 minutes)

Contribution ID: 66

Type: **not specified**

Two-loop amplitudes for tW production at hardron colliders-王焱凡 (山东大学)

Friday, 22 July 2022 15:40 (20 minutes)

Contribution ID: 67

Type: **not specified**

Precise Measurements of $Z+\text{photon}$ final states and search for anomalous neutral gauge couplings with EFT at ATLAS-刘丹宁 (李政道研究所)

Friday, 22 July 2022 17:15 (20 minutes)

Contribution ID: 68

Type: **not specified**

Vector Boson Scattering and new phenomena at LHC-陈婧 (李政道研究所)

Friday, 22 July 2022 16:55 (20 minutes)

Contribution ID: 69

Type: **not specified**

Triangle Singularity in the Production of $T_{cc}(3875)$ and a Soft Pion-Jun Jiang

Contribution ID: 70

Type: **not specified**

中微子实验-凌家杰 (中山大学)

Saturday, 23 July 2022 08:45 (35 minutes)

Contribution ID: 71

Type: **not specified**

Richness out of smallness: from Neutrino Collider to Muon Collider-Meng Lu

Contribution ID: 72

Type: **not specified**

PandaX 实验-周宁 (上海交通大学)

Saturday, 23 July 2022 09:20 (35 minutes)

Contribution ID: 73

Type: **not specified**

暗物质粒子探测卫星“悟空”号宇宙线探测进展 - 岳川 (紫金山天文台)

Saturday, 23 July 2022 09:55 (35 minutes)

Contribution ID: 74

Type: **not specified**

暗物质理论-刘佳 (北京大学)

Saturday, 23 July 2022 10:45 (35 minutes)

Contribution ID: 75

Type: **not specified**

Extending Dark Matter Search Down to Sub-GeV Mass Range-葛韶锋 (交大, 李政道研究所)

Saturday, 23 July 2022 11:20 (35 minutes)

Contribution ID: 76

Type: **not specified**

Pulsar Polarization Arrays-Jing Ren(中科院高能物理所)

Saturday, 23 July 2022 14:40 (20 minutes)

Contribution ID: 77

Type: **not specified**

格点规范场论模拟早期宇宙相变-边立功 (重庆大学)

Friday, 22 July 2022 15:20 (20 minutes)

Contribution ID: 78

Type: **not specified**

宇宙原初量子涨落在相变引力波各向异性中的遗迹-黄发朋(中山大学, 天琴中心)

Saturday, 23 July 2022 15:20 (20 minutes)

Contribution ID: 79

Type: **not specified**

Dynamics of electroweak phase transitions: from nucleation to percolation-蒋 方 (中山大学, 天琴中心)

Saturday, 23 July 2022 16:15 (20 minutes)

Contribution ID: 80

Type: **not specified**

**Domain walls beyond Z2 —classification and
preliminary study on its gravitational wave
signals-Yeling Zhou(杭州高等研究院)**

Saturday, 23 July 2022 15:40 (20 minutes)

Contribution ID: **81**

Type: **not specified**

Neutron star limits on neutron-mirror-neutron oscillation-Yongchao Zhang(东南大学)

Sunday, 24 July 2022 11:20 (35 minutes)

Contribution ID: 82

Type: **not specified**

New Physics Search Results from LIGO's Third Observing Run-Huaike Guo(University of Utah)

Sunday, 24 July 2022 16:15 (20 minutes)

Contribution ID: 83

Type: **not specified**

Light dark matter from PBH evaporation and its detection-Tong Li(南开大学)

Sunday, 24 July 2022 14:40 (20 minutes)

Contribution ID: 84

Type: **not specified**

Sound velocity effects on the phase transition gravitational wave spectrum-Wang Xiao(中山大学)

Saturday, 23 July 2022 17:15 (20 minutes)

Contribution ID: 85

Type: **not specified**

Confinement phase transition: from Polyakov Loop Models to quasi-particle model-Zhu jiang(华中科技大学)

Saturday, 23 July 2022 17:35 (20 minutes)

Contribution ID: 86

Type: **not specified**

右手中微子的对撞机寻找与轻子生成机制-刘威 (南京理工大学)

Sunday, 24 July 2022 16:55 (20 minutes)

Contribution ID: 87

Type: **not specified**

Composite asymmetry dark matter: model and detection-Mengchao Zhang

Contribution ID: 88

Type: **not specified**

Astrophysical background and dark matter implication based on latest AMS-02 data-Hongbo Jin

Contribution ID: 89

Type: **not specified**

Precision test of the Zbb anomalous couplings at colliders-Bin Yan(中科院高能物理研究所)

Friday, 22 July 2022 14:40 (20 minutes)

Contribution ID: 90

Type: **not specified**

Axion Haloscope Meets the Electric Field-Yu Gao(中科院高能物理研究所)

Sunday, 24 July 2022 15:00 (20 minutes)

Contribution ID: 91

Type: **not specified**

Lepton number violation from neutrinoless double beta decay to colliders-Gang Li(中山大学)

Sunday, 24 July 2022 15:40 (20 minutes)

Contribution ID: 92

Type: **not specified**

Electroweak ALP Searches at a Muon Collider-Lingfeng Li(Brown U.)

Sunday, 24 July 2022 14:20 (20 minutes)

Contribution ID: 93

Type: **not specified**

Neutrino dipole portal at electron colliders-Yu Zhang

Contribution ID: 94

Type: **not specified**

Light dark matter from PBH evaporation and its detection-Tong Li

Contribution ID: 95

Type: **not specified**

右手中微子的对撞机寻找与轻子生成机制-Wei Liu

Contribution ID: 96

Type: **not specified**

Composite asymmetry dark matter: model and detection-张孟超 (暨南大学)

Saturday, 23 July 2022 16:35 (20 minutes)

Contribution ID: 97

Type: **not specified**

Confinement phase transition: from Polyakov Loop Models to quasi-particle model-Jiang Zhu

Contribution ID: 98

Type: **not specified**

**Astrophysical background and dark matter
implication based on latest AMS-02 data-Hongbo
Jin(国家天文台)**

Sunday, 24 July 2022 15:20 (20 minutes)

Contribution ID: 99

Type: **not specified**

TBA-Gu Peihong

Contribution ID: **100**

Type: **not specified**

天琴-胡一鸣 (中山大学, 天琴中心)

Sunday, 24 July 2022 08:45 (35 minutes)

Contribution ID: **101**

Type: **not specified**

中微子相干散射实验-魏月环 (中山大学)

Sunday, 24 July 2022 09:20 (35 minutes)

Contribution ID: **102**

Type: **not specified**

Dark SHINE——Dark Photon fixed-target search experiment at SHINE Facility-王雨风 (李政道研究所)

Sunday, 24 July 2022 10:45 (35 minutes)

Contribution ID: **103**

Type: **not specified**

理论报告

Contribution ID: **104**

Type: **not specified**

总结

Contribution ID: 105

Type: **not specified**

The different scattering behaviors between Dirac fermion and Majorana fermion by the metric field and torsion field-薛迅 (华东师范大学)

Saturday, 23 July 2022 14:20 (20 minutes)

Contribution ID: **108**

Type: **not specified**

Neutrino dipole portal at electron colliders-Yu Zhang(合肥工业大学)

Friday, 22 July 2022 16:15 (20 minutes)

Contribution ID: **110**

Type: **not specified**

Self resonant dark matter-Bin Zhu

Contribution ID: 112

Type: **not specified**

Triangle Singularity in the Production of $T_{cc}(3875)$ and a Soft Pion-Jun Jiang(山东大学)

Friday, 22 July 2022 16:35 (20 minutes)

Contribution ID: 113

Type: **not specified**

TBA-兆侃

Contribution ID: **114**

Type: **not specified**

Xenon-nT 高飞 (清华大学)

Sunday, 24 July 2022 09:55 (35 minutes)

Contribution ID: 115

Type: **not specified**

第四届粒子物理前沿进展介绍-牛家树 (山西大学)

Sunday, 24 July 2022 17:35 (10 minutes)

Contribution ID: 116

Type: **not specified**

GWs from FOPTs: Recent progress on bubble expansion-Shaojiang Wang(中科院理论物理研究所)

Saturday, 23 July 2022 16:55 (20 minutes)

Contribution ID: **117**

Type: **not specified**

Self resonant dark matter-Bin Zhu(烟台大学)

Sunday, 24 July 2022 16:35 (20 minutes)

Contribution ID: **118**

Type: **not specified**

Measurement of Xe-136 DBD Half-life with PandaX-4T-成兆侃 (中山大学)

Sunday, 24 July 2022 17:15 (20 minutes)

Contribution ID: **119**

Type: **not specified**

TBA-兆侃

Contribution ID: 120

Type: **not specified**

TBA-兆侃

Contribution ID: **121**

Type: **not specified**

Richness out of smallness: from Neutrino Collider to Muon Collider-卢梦 (中山大学)

Friday, 22 July 2022 17:35 (20 minutes)

Contribution ID: 122

Type: **not specified**

TBA-兆侃

Contribution ID: 123

Type: **not specified**

Observation of new structures in the $J/\psi J/\psi$ mass spectrum at CMS-胡震 (清华大学)

Friday, 22 July 2022 11:10 (35 minutes)

Contribution ID: 124

Type: **not specified**

理论

Contribution ID: 125

Type: **not specified**

总结-杨金民

Sunday, 24 July 2022 17:45 (20 minutes)