

第十六届 TeV 物理工作组学术 研讨会暨邝宇平院士学术思想 研讨会

Report of Contributions

Contribution ID: 33

Type: **not specified**

Recent highlights from ATLAS

Wednesday, 9 November 2022 08:30 (35 minutes)

Presenter: LI, Shu (TDLI, SJTU)

Session Classification: Plenary1

Contribution ID: **34**

Type: **not specified**

Recent highlights of the CMS experiment

Wednesday, 9 November 2022 09:05 (35 minutes)

Presenter: ZHOU, Chen (University of Wisconsin-Madison)

Session Classification: Plenary1

Contribution ID: 35

Type: **not specified**

Recent highlights from ATLAS

Presenter: LI, Shu (Duke University)

Session Classification: Plenary1

Contribution ID: 36

Type: **not specified**

Recent highlights of the CMS experiment

Presenter: ZHOU, Chen (University of Wisconsin-Madison)

Session Classification: Plenary1

Contribution ID: 37

Type: **not specified**

LHCb 实验上新物理的间接寻找

Wednesday, 9 November 2022 09:40 (35 minutes)

Presenter: HE, Jibo (UCAS)

Session Classification: Plenary1

Contribution ID: 38

Type: **not specified**

Future e+e- Higgs Factories - Status, Progress and Development

Wednesday, 9 November 2022 10:35 (35 minutes)

Presenter: LOU, Xinchou (高能所)

Session Classification: Plenary2

Contribution ID: 39

Type: **not specified**

Looking forward to New Physics and neutrinos with FASER at the LHC

Wednesday, 9 November 2022 11:10 (35 minutes)

Presenter: INADA, Tomohiro (Tsinghua University)

Session Classification: Plenary2

Contribution ID: 40

Type: **not specified**

微扰场论研究进展

Wednesday, 9 November 2022 11:45 (35 minutes)

Presenter: MA, Yanqing

Session Classification: Plenary2

Contribution ID: 41

Type: **not specified**

Search for resonances decaying to three W bosons in proton-proton collisions

Thursday, 10 November 2022 08:30 (20 minutes)

Presenter: LI, Qiang (School of physics, Peking University)

Session Classification: Plenary 3

Contribution ID: 42

Type: **not specified**

Searching for new physics at the EIC

Thursday, 10 November 2022 08:50 (20 minutes)

Presenter: YAN, Bin (IHEP)

Session Classification: Plenary 3

Contribution ID: 43

Type: **not specified**

Pulsar Polarization Arrays

Thursday, 10 November 2022 09:10 (20 minutes)

Presenter: REN, Jing (U)

Session Classification: Plenary 3

Contribution ID: 44

Type: **not specified**

Direct detection of dark photon dark matter using radio telescopes

Thursday, 10 November 2022 09:30 (20 minutes)

Presenter: 葛 (GE), 帅良 (Shuailiang) (Peking University)

Session Classification: Plenary 3

Contribution ID: 45

Type: **not specified**

中微子天文学最新进展

Thursday, 10 November 2022 10:15 (35 minutes)

Presenter: XU, Donglian (Shanghai Jiao Tong University)

Session Classification: Plenary 4

Contribution ID: 46

Type: **not specified**

中微子理论进展汇报

Thursday, 10 November 2022 10:50 (35 minutes)

Presenter: ZHOU, Shun (高能所)

Session Classification: Plenary 4

Contribution ID: 47

Type: **not specified**

鸿蒙：探索宇宙的起源与黑暗时代

Thursday, 10 November 2022 11:25 (35 minutes)

Presenter: CHEN, Xuelei

Session Classification: Plenary 4

Contribution ID: 48

Type: **not specified**

暗物质直接探测

Thursday, 10 November 2022 14:00 (35 minutes)

Presenter: ZHOU, Ning

Session Classification: Plenary 5

Contribution ID: 49

Type: **not specified**

早期宇宙中的物质库分布及其天体物理后果

Thursday, 10 November 2022 14:35 (35 minutes)

Presenter: LOU, Yuqing

Session Classification: Plenary 5

Contribution ID: 50

Type: **not specified**

新物理引力波信号研究进展

Thursday, 10 November 2022 15:10 (35 minutes)

Presenter: HUANG, Fapeng

Session Classification: Plenary 5

Contribution ID: 51

Type: **not specified**

通向新物理的有效途径: SMEFT 和 HEFT

Thursday, 10 November 2022 16:10 (35 minutes)

Presenter: YU, Jianghao

Session Classification: Plenary 6

Contribution ID: 52

Type: **not specified**

Detecting ultra-light particles from astro-physical observations

Thursday, 10 November 2022 16:45 (35 minutes)

Presenter: SHU, Jing (Institute for Theoretical Physics, Chinese Academy of Sciences)

Session Classification: Plenary 6

Contribution ID: 53

Type: **not specified**

Conference Summary

Thursday, 10 November 2022 17:20 (35 minutes)

Presenter: HE, Xiaogang

Session Classification: Plenary 6

Contribution ID: 54

Type: **not specified**

TeV scale new resonances at future muon colliders

Wednesday, 9 November 2022 14:00 (15 minutes)

Presenter: LI, Lingfeng (Brown University)

Session Classification: Parallel1

Contribution ID: 55

Type: **not specified**

Semileptonic b Decays at Future Z Factories

Wednesday, 9 November 2022 14:15 (15 minutes)

Presenter: JIANG, Xuhui (The Hong Kong University of Science and Technology)

Session Classification: Parallel1

Contribution ID: 56

Type: **not specified**

Unitarity bound on extensions of Higgs sector

Wednesday, 9 November 2022 14:30 (15 minutes)

Presenter: LU (卢), Bo-Qiang (伯强) (Huzhou University)

Session Classification: Parallel1

Contribution ID: 57

Type: **not specified**

Two-loop amplitudes for t W production at Hardron colliders

Wednesday, 9 November 2022 14:45 (15 minutes)

Presenter: WANG, Yefan

Session Classification: Parallel1

Contribution ID: 58

Type: **not specified**

Opportunities at the Electron-Muon collider

Wednesday, 9 November 2022 15:00 (15 minutes)

Presenter: WANG, Xiaorui

Session Classification: Parallel1

Contribution ID: 59

Type: **not specified**

Explaining The New CDF II W-Boson Mass In The Georgi-Machacek Extension Models

Wednesday, 9 November 2022 15:15 (15 minutes)

Presenter: DU, Xiaokang

Session Classification: Parallel1

Contribution ID: **60**

Type: **not specified**

Probing highly collimated photon-jets with deep learning

Wednesday, 9 November 2022 15:30 (15 minutes)

Presenter: LU, Zhiting

Session Classification: Parallel1

Contribution ID: 61

Type: **not specified**

Constraining the Higgs boson self-coupling from single- and double-Higgs production with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV

Wednesday, 9 November 2022 16:20 (15 minutes)

Presenter: HE, Mingxu

Session Classification: Parallel3

Contribution ID: 62

Type: **not specified**

Search for Higgs boson pair production in $ZZZZ$ final state in ZZ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Wednesday, 9 November 2022 16:35 (15 minutes)

Presenter: JIA, Zihang

Session Classification: Parallel3

Contribution ID: 63

Type: **not specified**

Search for the Higgs boson pair production in the $b\bar{b}\mu\mu$ final state at the LHC

Wednesday, 9 November 2022 16:50 (15 minutes)

Presenter: GUO, Botao

Session Classification: Parallel3

Contribution ID: 64

Type: **not specified**

QCD corrections to the charged Higgs bosonic decay in Type-I/II 2HDM

Wednesday, 9 November 2022 17:05 (15 minutes)

Presenter: WANG, Shuaishuai

Session Classification: Parallel3

Contribution ID: 65

Type: **not specified**

Mixed QCD-EW corrections to W-pair production at electron-positron colliders

Wednesday, 9 November 2022 17:20 (15 minutes)

Presenter: LI, Zhe

Session Classification: Parallel3

Contribution ID: **66**

Type: **not specified**

Weinberg's Soft Theorem to Three Loops in QCD

Wednesday, 9 November 2022 17:35 (15 minutes)

Presenter: CHEN, Wen

Session Classification: Parallel3

Contribution ID: 67

Type: **not specified**

Heavy long-lived coannihilation partner from inelastic Dark Matter model and its signatures at the LHC

Wednesday, 9 November 2022 17:50 (15 minutes)

Presenter: GUO, Jinhui

Session Classification: Parallel3

Contribution ID: **68**

Type: **not specified**

"GAMBIT: Global Interpretations for BSM theories"

Wednesday, 9 November 2022 16:05 (15 minutes)

Presenter: SU, Wei

Session Classification: Parallel3

Contribution ID: 69

Type: **not specified**

Type II Seesaw leptogenesis

Wednesday, 9 November 2022 14:00 (15 minutes)

Presenter: HAN, Chengcheng

Session Classification: Parallel2

Contribution ID: 70

Type: **not specified**

Electroweak Phase Transition in 2HDM: Collider and GW Complementarity

Wednesday, 9 November 2022 14:15 (15 minutes)

Presenter: WU, Yongcheng (Carleton University)

Session Classification: Parallel2

Contribution ID: 71

Type: **not specified**

Pinning down the primordial black hole formation mechanism via gamma-ray and gravitational wave experiments

Wednesday, 9 November 2022 14:30 (15 minutes)

Presenter: XIE, kepan (Peking University)

Session Classification: Parallel2

Contribution ID: 72

Type: **not specified**

Constraints on Physics Beyond the Standard Model with LIGO's Third Observing Run Data

Wednesday, 9 November 2022 14:45 (15 minutes)

Presenter: GUO, huaike (School of Physics Peking University)

Session Classification: Parallel2

Contribution ID: 73

Type: **not specified**

Gravitational Waves from Second-Order Phase Transition and Domain Walls during Inflation

Wednesday, 9 November 2022 15:00 (15 minutes)

Presenter: YANG, Chen

Session Classification: Parallel2

Contribution ID: 74

Type: **not specified**

analytical calculation of inflation correlators

Wednesday, 9 November 2022 15:15 (15 minutes)

Presenter: QIN, Zhehan

Session Classification: Parallel2

Contribution ID: 75

Type: **not specified**

超出粒子物理标准模型的新物理与早期宇宙对称性破缺

Wednesday, 9 November 2022 15:30 (15 minutes)

Presenter: BIAN, Ligong (ITP/KITPC)

Session Classification: Parallel2

Contribution ID: 76

Type: **not specified**

New direct detection strategy of dark particle

Wednesday, 9 November 2022 16:05 (15 minutes)

Presenter: CHAO, Wei (Institute of High Energy Physics)

Session Classification: Parallel4

Contribution ID: 77

Type: **not specified**

Overcoming Dark Matter Thresholds in Direct and Indirect Searches

Wednesday, 9 November 2022 16:20 (15 minutes)

Presenter: GE, Shaofeng

Session Classification: Parallel4

Contribution ID: 78

Type: **not specified**

Direct detection of dark photon dark matter using radio telescopes

Presenter: 葛 (GE), 帅良 (Shuailiang) (Peking University)

Session Classification: Parallel2

Contribution ID: 79

Type: **not specified**

Improving the constraints of high-redshift Cosmography by using PAge approximation

Wednesday, 9 November 2022 16:50 (15 minutes)

Presenter: ZHOU, Yong (Institute of Theoretical Physics, Chinese Academy of Sciences)

Session Classification: Parallel4

Contribution ID: 80

Type: **not specified**

Soft Scattering Evaporation of Dark Matter Subhalos by Inner Galactic Gases

Wednesday, 9 November 2022 17:05 (15 minutes)

Presenter: LIN, Yugen

Session Classification: Parallel4

Contribution ID: **81**

Type: **not specified**

Effective field theory approach to neutrinoless double beta decay with light sterile neutrinos

Wednesday, 9 November 2022 17:20 (15 minutes)

Presenter: LI, Gang (Peking University)

Session Classification: Parallel4

Contribution ID: 82

Type: **not specified**

Probing Millicharged particles via collision between cosmic ray and atmosphere

Wednesday, 9 November 2022 17:35 (15 minutes)

Presenter: FANG, Rundong

Session Classification: Parallel4

Contribution ID: 83

Type: **not specified**

Time-varying resonant mass at collider and beam dump experiments

Wednesday, 9 November 2022 17:50 (15 minutes)

Presenter: HE, Yuxuan

Session Classification: Parallel4

Contribution ID: 84

Type: **not specified**

Singlino Dark Matter in the general Next-to-Minimal Supersymmetric Standard Model

Wednesday, 9 November 2022 16:35 (15 minutes)

Presenter: CAO, Junjie (Henan Normal University)

Session Classification: Parallel4