

第十四届 TeV 物理工作组学术 研讨会 (14th workshop on TeV Physics)

Report of Contributions

Contribution ID: 0

Type: **not specified**

Opening Speech

Saturday, 20 April 2019 08:00 (5 minutes)

Presenter: Prof. WANG, Qing (Tsinghua University)

Session Classification: Session

Contribution ID: 1

Type: **not specified**

Welcome Speech

Saturday, 20 April 2019 08:05 (10 minutes)

Presenter: ZHANG, Xu-yu

Session Classification: Session

Contribution ID: 2

Type: **not specified**

What Do I Believe Now ?

Saturday, 20 April 2019 08:15 (30 minutes)

Presenter: Prof. YANAGIDA, T.

Session Classification: Session

Contribution ID: 3

Type: **not specified**

TBA

Presenter: Prof. TATA, Xexers (Hawaii)

Contribution ID: 4

Type: **not specified**

Enlighten Dark Photon With Kinetic Mixing

Saturday, 20 April 2019 08:45 (30 minutes)

Presenter: Prof. HE, Xiaogang (Shanghai Jiaotong University)

Session Classification: Session

Contribution ID: 5

Type: **not specified**

Effective field theory approach to lepton number violation

Saturday, 20 April 2019 09:15 (30 minutes)

Presenter: Prof. LIAO, Yi (Nankai University)

Session Classification: Session

Contribution ID: 6

Type: **not specified**

Review of ATLAS experiment

Saturday, 20 April 2019 10:45 (30 minutes)

Presenter: Prof. LI, Haifeng (Shandong University)

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Recent highlights from the CMS experiment

Saturday, 20 April 2019 11:15 (30 minutes)

Presenter: Prof. HU, Zhen (Tsinghua University)

Session Classification: Session

Contribution ID: 8

Type: **not specified**

Probing CP nature of top-Higgs coupling

Saturday, 20 April 2019 10:15 (30 minutes)

Presenter: Prof. CAO, Qinghong (Peking University)

Session Classification: Session

Contribution ID: 9

Type: **not specified**

Recent progress on neutrino physics

Monday, 22 April 2019 09:00 (30 minutes)

Primary author: Prof. LI, Yufeng (IHEP)

Presenter: Prof. LI, Yufeng (IHEP)

Session Classification: Session

Contribution ID: **10**

Type: **not specified**

Recent highlights from the LHCb experiment

Saturday, 20 April 2019 11:45 (30 minutes)

Presenter: Prof. QIAN, Wenbin

Session Classification: Session

Contribution ID: 11

Type: **not specified**

Energy Correlators in QCD

Saturday, 20 April 2019 14:00 (15 minutes)

Presenter: Prof. ZHU, Huaxing (Zhejiang University)

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Soft gluon effect in Z boson plus jet production at LHC

Saturday, 20 April 2019 14:45 (15 minutes)

Presenter: Prof. SUN, Peng (Nanjing Normal University)

Session Classification: Session

Contribution ID: 13

Type: **not specified**

The Transverse Energy-Energy Correlator in the Back-to-Back Limit

Saturday, 20 April 2019 14:15 (15 minutes)

Presenter: Dr LI, Haitao (LANL)

Session Classification: Session

Contribution ID: 14

Type: **not specified**

NLO QCD corrections to exclusive electroproduction of quarkonium

Sunday, 21 April 2019 16:35 (15 minutes)

Presenter: Dr CHEN, Longbin (Guangzhou University)

Session Classification: Session

Contribution ID: 15

Type: **not specified**

New Hidden Relation of Higgs Amplitudes in QCD

Saturday, 20 April 2019 14:30 (15 minutes)

Presenter: Dr JIN, Qingjun (ITP-CAS)

Session Classification: Session

Contribution ID: 16

Type: **not specified**

Discoveries and potential discoveries of new exotic particles at colliders

Saturday, 20 April 2019 15:15 (15 minutes)

Presenter: Prof. YI, Kai (University of Iowa)

Session Classification: Session

Contribution ID: 17

Type: **not specified**

MC Modelling and Production at CMS

Saturday, 20 April 2019 15:50 (15 minutes)

Presenter: Prof. LI, Qiang (Peking University)

Session Classification: Session

Contribution ID: **18**

Type: **not specified**

Higgs Physics at CEPC

Saturday, 20 April 2019 16:05 (15 minutes)

Presenter: Prof. FANG, Yaquan (IHEP)

Session Classification: Session

Contribution ID: 19

Type: **not specified**

Search for the EDM and anomalous magnetic moment of the tau lepton

Saturday, 20 April 2019 16:35 (15 minutes)

Presenter: Prof. CHEN, Xin (Tsinghua University)

Session Classification: Session

Contribution ID: 20

Type: **not specified**

Results of search for SUSY signals with tau leptons in the final states at the LHC

Saturday, 20 April 2019 16:50 (15 minutes)

Presenter: Prof. LYU, Feng (IHEP)

Session Classification: Session

Contribution ID: 21

Type: **not specified**

Polarization fraction measurement in same-sign WW scattering using deep learning

Saturday, 20 April 2019 17:05 (15 minutes)

Presenter: Mr LEE, JUNHO (PKU)

Session Classification: Session

Contribution ID: 22

Type: **not specified**

Solve the core-cusp problem with Fermi pressure

Saturday, 20 April 2019 14:00 (15 minutes)

Presenter: Prof. AN, Haipeng (Tsinghua University)

Session Classification: Session

Contribution ID: 23

Type: **not specified**

Shape of Higgs Potential at Future Colliders

Saturday, 20 April 2019 14:15 (15 minutes)

Presenter: Prof. YU, Jianghao (ITP CAS)

Session Classification: Session

Contribution ID: 24

Type: **not specified**

Quintessence Saves Higgs Instability

Saturday, 20 April 2019 14:30 (15 minutes)

Presenter: Dr HAN, Chengcheng (IPMU)

Session Classification: Session

Contribution ID: 25

Type: **not specified**

Off-shell probe to the Higgs sector

Saturday, 20 April 2019 14:45 (15 minutes)

Presenter: Prof. QIAN, Zhuo-ni (IBS)

Session Classification: Session

Contribution ID: 26

Type: **not specified**

Electroweak Phase transition in NMSSM

Saturday, 20 April 2019 15:00 (15 minutes)

Presenter: Dr ZHANG, Yang (Monash University)

Session Classification: Session

Contribution ID: 27

Type: **not specified**

SUSY Search at LHC and beyond

Saturday, 20 April 2019 15:50 (15 minutes)

Presenter: Prof. ZHUANG, Xu-ai (IHEP)

Session Classification: Session

Contribution ID: 28

Type: **not specified**

Minimal Yukawa deflection of AMSB from the Kahler potential and axino DM

Saturday, 20 April 2019 16:05 (15 minutes)

Presenter: Prof. WANG, Fei (Zhengzhou University)

Session Classification: Session

Contribution ID: 29

Type: **not specified**

Probing the Higgs boson-gluon effective coupling at e⁺e⁻ colliders

Saturday, 20 April 2019 17:20 (15 minutes)

Presenter: Dr LI, Ge-xing (IHEP)

Session Classification: Session

Contribution ID: 30

Type: **not specified**

Probing CP-Violating Yukawa Interactions of Top-Quark

Sunday, 21 April 2019 14:15 (15 minutes)

Presenter: Dr MA, Kai (Shaanxi University of Technology)

Session Classification: Session

Contribution ID: 31

Type: **not specified**

Non-minimal Higgs-gravity coupling and naturalness at the LHC and beyond

Saturday, 20 April 2019 17:05 (15 minutes)

Presenter: Dr ZHU, Bin (Yantai University)

Session Classification: Session

Contribution ID: 32

Type: **not specified**

Consistency of Gauged Two Higgs Doublet Model: Gauge Sector

Sunday, 21 April 2019 17:05 (15 minutes)

Presenter: Dr TRAN, Van Que (Nanjing University)

Session Classification: Session

Contribution ID: 33

Type: **not specified**

Dynamics of Heavy Fields in the Early Universe

Sunday, 21 April 2019 11:20 (30 minutes)

Presenter: Prof. WANG, Yi (HKUST)

Session Classification: Session

Contribution ID: 34

Type: **not specified**

Cosmological collider phenomenology

Sunday, 21 April 2019 11:50 (30 minutes)

Presenter: Dr XIANYU, Zhongzhi (Harvard University)

Session Classification: Session

Contribution ID: 35

Type: **not specified**

Energizing Higgs Phenomenology for the High Luminosity Runs

Monday, 22 April 2019 10:00 (30 minutes)

Presenter: Prof. SPANNOWSKY, Michael (Durham University)

Session Classification: Session

Contribution ID: 36

Type: **not specified**

Top Quark Physics

Sunday, 21 April 2019 09:30 (30 minutes)

Presenter: Prof. YANG, Lilin (Peking University)

Session Classification: Session

Contribution ID: 37

Type: **not specified**

Recent Theoretical Progress on Heavy Flavor Physics

Sunday, 21 April 2019 10:20 (30 minutes)

Presenter: Prof. WANG, Wei (Shanghai Jiaotong University)

Session Classification: Session

Contribution ID: 38

Type: **not specified**

Standard Model Effective Field Theory from On-shell Amplitudes

Sunday, 21 April 2019 10:50 (30 minutes)

Presenter: Prof. SHU, Jing (ITP CAS)

Session Classification: Session

Contribution ID: 39

Type: **not specified**

Quark and lepton flavor mixing from symmetry

Sunday, 21 April 2019 14:00 (15 minutes)

Presenter: Prof. DING, Guijun (USTC)

Session Classification: Session

Contribution ID: 40

Type: **not specified**

Composite Higgs and Dark Matter

Sunday, 21 April 2019 15:15 (15 minutes)

Presenter: Prof. ZHANG, Honghao (Sun Yat-Sen University)

Session Classification: Session

Contribution ID: 41

Type: **not specified**

New Physics and (vector, scalar, dark) Non-Standard Interactions in Neutrino Oscillation

Sunday, 21 April 2019 14:15 (30 minutes)

Presenter: Dr GE, Shaofeng (IPMU & UC Berkeley)

Session Classification: Session

Contribution ID: 42

Type: **not specified**

Search for new physics with accelerator neutrinos

Sunday, 21 April 2019 14:45 (15 minutes)

Presenter: Prof. TANG, Jian (Sun Yat-Sen University)

Session Classification: Session

Contribution ID: 43

Type: **not specified**

New physics effects and form factor uncertainties in coherent elastic neutrino-nucleus scattering

Sunday, 21 April 2019 15:00 (15 minutes)

Presenter: Prof. LIAO, Jiajun (Sun Yat-sen University)

Session Classification: Session

Contribution ID: 44

Type: **not specified**

New CP violating effect and new physics

Presenter: Prof. YU, Fusheng (Lanzhou University)

Contribution ID: 45

Type: **not specified**

muon 反常磁矩和双圈图

Presenter: Prof. ZHAO, Shumin (Hebei University)

Contribution ID: 46

Type: **not specified**

Correlation between $R_{D^{(*)}}$ and top quark FCNC decays in leptoquark models

Presenter: Dr WU, Peiwen (KIAS)

Contribution ID: 47

Type: **not specified**

Bayesian and frequentist approaches to resonance searches

Presenter: Prof. FOWLER, Andrew (Nanjing Normal University)

Contribution ID: 48

Type: **not specified**

Search for top partner in LHT model

Sunday, 21 April 2019 15:00 (15 minutes)

Presenter: Prof. YANG, Bingfang (Henan Normal University)

Session Classification: Session

Contribution ID: 49

Type: **not specified**

TBA

Presenter: Dr ZHOU, Hang (Nanjing Normal University)

Contribution ID: 50

Type: **not specified**

Axion

Presenter: Prof. LI, Tianjun (ITP CAS)

Contribution ID: 51

Type: **not specified**

Interpretations of the DAMPE electron data

Presenter: Prof. FENG, Lei (PMO)

Contribution ID: 52

Type: **not specified**

Dark Matter Bound State Formation in a Z_2 Model with Light Dark Photon and Dark Higgs Boson

Sunday, 21 April 2019 15:30 (15 minutes)

Presenter: Dr TANG, Yi-lei (KIAS)

Session Classification: Session

Contribution ID: 53

Type: **not specified**

Searching for Self-Interacting Dark Matter Bound States at the LHC

Sunday, 21 April 2019 16:35 (15 minutes)

Presenter: Mr XU, Tao (Zhejiang University)

Session Classification: Session

Contribution ID: 54

Type: **not specified**

TBA

Presenter: Mr ZHANG, Zipei (Tsinghua University)

Contribution ID: 55

Type: **not specified**

Helicity amplitudes in the semileptonic decay of B meson

Sunday, 21 April 2019 16:20 (15 minutes)

Presenter: Prof. DAI, Lian-rong (Liaoning Normal University)

Session Classification: Session

Contribution ID: 56

Type: **not specified**

Heavy Vector Quarkonium Leptonic Widths in Bethe-Salpeter Method

Presenter: Prof. WANG, Guoli (Harbin Institute of Technology)

Contribution ID: 57

Type: **not specified**

Is the $Y(2175)$ a Strangeonium-like Hybrid Meson?

Sunday, 21 April 2019 16:50 (15 minutes)

Presenter: Prof. CHEN, Wei (Sun Yat-Sen University)

Session Classification: Session

Contribution ID: 58

Type: **not specified**

Spectra of open charm mesons from chiral perturbation theory

Presenter: Prof. GUO, Zihui (Hebei Normal University)

Contribution ID: 59

Type: **not specified**

$Z \rightarrow \pi^+ \pi^-$: A perturbative QCD calculation at future Z factories

Sunday, 21 April 2019 17:05 (15 minutes)

Presenter: Prof. CHENG, Shan (Hunan University)

Session Classification: Session

Contribution ID: **60**

Type: **not specified**

Guleball production via 0^{++} model

Sunday, 21 April 2019 17:20 (15 minutes)

Presenter: Mr WAN, Bingdong (UCAS)

Session Classification: Session

Contribution ID: **61**

Type: **not specified**

CPT violation from cosmic neutrinos

Monday, 22 April 2019 08:30 (30 minutes)

Presenter: Prof. MA, Boqiang (Peking University)

Session Classification: Session

Contribution ID: 62

Type: **not specified**

Origin of the cosmic positron excess: DM? pulsar! DM!? pulsar! DM? pulsar?

Monday, 22 April 2019 09:30 (30 minutes)

Presenter: Prof. BI, Xiaojun (IHEP)

Session Classification: Session

Contribution ID: 63

Type: **not specified**

The Resonant Cavity Study for Axion Dark Matter

Monday, 22 April 2019 11:20 (30 minutes)

Presenter: Prof. LI, Tianjun (ITP CAS)

Session Classification: Session

Contribution ID: **64**

Type: **not specified**

Effective Quintessence from String Landscape

Monday, 22 April 2019 10:50 (30 minutes)

Presenter: Prof. XUE, Xun (East China Normal University)

Session Classification: Session

Contribution ID: 65

Type: **not specified**

Amplitude Reduction

Monday, 22 April 2019 11:50 (30 minutes)

Presenter: Prof. LI, Zhao (IHEP)

Session Classification: Session

Contribution ID: 66

Type: **not specified**

Closing Speech

Monday, 22 April 2019 12:20 (10 minutes)

Presenter: Prof. HAN, Tao (Pitts University & Tsinghua University)

Session Classification: Session

Contribution ID: 67

Type: **not specified**

Higher order corrections for Higgs production at CEPC

Sunday, 21 April 2019 09:00 (30 minutes)

Presenter: Prof. JIA, Yu (IHEP)

Session Classification: Session

Contribution ID: **68**

Type: **not specified**

TBA

Presenter: Prof. GU, Peihong (Shanghai Jiao tong University)

Contribution ID: 69

Type: **not specified**

Effective field theory approach to lepton number violation

Presenter: Prof. 廖益

Contribution ID: 70

Type: **not specified**

Recent developments in the CTEQ-TEA global analysis

Saturday, 20 April 2019 15:00 (15 minutes)

Presenter: Prof. HOU, Tiejun

Session Classification: Session

Contribution ID: 71

Type: **not specified**

Probing Quartic Higgs Boson Self-Interactions

Saturday, 20 April 2019 16:20 (15 minutes)

Presenter: Dr REN, Jing

Session Classification: Session

Contribution ID: 72

Type: **not specified**

Muon anomalous magnetic moment and two-loop diagrams

Saturday, 20 April 2019 16:35 (15 minutes)

Presenter: Prof. ZHAO, Shu-Min

Session Classification: Session

Contribution ID: 73

Type: **not specified**

Electroweak symmetry breaking pattern and Higgs pheno

Saturday, 20 April 2019 16:50 (15 minutes)

Presenter: Prof. BIAN, Li-Gong

Session Classification: Session

Contribution ID: 74

Type: **not specified**

Measurement of Higgs properties in $H \rightarrow ZZ \rightarrow 4l$ channel with full Run-2 data at CMS

Saturday, 20 April 2019 16:20 (15 minutes)

Presenter: Prof. CHEN, Mingshui

Session Classification: Session

Contribution ID: 75

Type: **not specified**

De Sitter quantum loops as the origin of primordial non-Gaussianities

Sunday, 21 April 2019 16:50 (15 minutes)

Presenter: Mr ZHANG, zipei

Session Classification: Session

Contribution ID: 76

Type: **not specified**

Searching for Z' and h_2 in the $U(1)_{L_\mu-L_\tau}$ model at future colliders

Sunday, 21 April 2019 15:30 (15 minutes)

Presenter: Mr HOU, Jin-Xin

Session Classification: Session

Contribution ID: 77

Type: **not specified**

Implications on Observation of Charm CPV at LHCb

Sunday, 21 April 2019 14:00 (15 minutes)

Presenter: Dr YU, Fu-Sheng

Session Classification: Session

Contribution ID: 78

Type: **not specified**

Correlation between $R_{D^{(*)}}$ and top quark FCNC decays in leptoquark models

Sunday, 21 April 2019 14:30 (15 minutes)

Presenter: Dr WU, Peiwen

Session Classification: Session

Contribution ID: 79

Type: **not specified**

Bayesian and frequentist approaches to resonance searches

Sunday, 21 April 2019 14:45 (15 minutes)

Presenter: Dr ANDREW, Fowlie

Session Classification: Session

Contribution ID: **80**

Type: **not specified**

Natural Supersymmetry Phenomenology

Sunday, 21 April 2019 08:00 (30 minutes)

Presenter: Prof. XERXES, Tata

Session Classification: Session

Contribution ID: **81**

Type: **not specified**

Weak decays of charmed baryons

Sunday, 21 April 2019 15:15 (15 minutes)

Presenter: Prof. XU, Fanrong

Session Classification: Session

Contribution ID: **82**

Type: **not specified**

Search for Extra Scalars Produced in Association with Muon Pairs at the ILC

Saturday, 20 April 2019 15:15 (15 minutes)

Presenter: Dr WANG, Yan

Session Classification: Session

Contribution ID: 83

Type: **not specified**

Probing a dynamical scalegenesis via enhanced diHiggs signatures

Sunday, 21 April 2019 17:20 (15 minutes)

Presenter: Prof. MATSUZAKI, Shinya

Session Classification: Session

Contribution ID: 84

Type: **not specified**

Probe Multi-Parton Interaction through Quarkonium Production

Sunday, 21 April 2019 16:05 (15 minutes)

Presenter: Prof. ZHANG, Yu-Jie

Session Classification: Session

Contribution ID: 85

Type: **not specified**

Two-mediator dark matter models and cosmic electron excess

Sunday, 21 April 2019 16:05 (15 minutes)

Presenter: Prof. LIU, Zuowei

Session Classification: Session

Contribution ID: 86

Type: **not specified**

Interpretations of the DAMPE electron data

Sunday, 21 April 2019 16:20 (15 minutes)

Presenter: Prof. FENG, Lei

Session Classification: Session

Contribution ID: 87

Type: **not specified**

Higgs Boson: the Unique Window to New Physics

Sunday, 21 April 2019 08:30 (30 minutes)

Presenter: Prof. HE, Hong-jian

Session Classification: Session

Contribution ID: **88**

Type: **not specified**

Buffet

Friday, 19 April 2019 14:00 (3 hours)

Session Classification: Registration