### 2nd TDLI Mini-Workshop on "New Physics at the Tera Scale" (2019)

## **Report of Contributions**

Results and Status of Chinese High ...

Contribution ID: 1

Type: not specified

#### Results and Status of Chinese High altitude Cosmic Ray Experiments

Sunday, 4 August 2019 09:00 (30 minutes)

Presenter: HU, Hongbo Session Classification: Plenary Session 1

Some studies on SUSY in light o $\boxtimes$ ...

Contribution ID: 2

Type: not specified

### Some studies on SUSY in light of dark matter and muon g-2

Sunday, 4 August 2019 09:30 (30 minutes)

Presenter: YANG, Jin Min (ITP, CAS, Beijing)

Group Photo

Contribution ID: 3

Type: not specified

### **Group Photo**

Who orders dark matter?

Contribution ID: 4

Type: not specified

### Who orders dark matter?

Sunday, 4 August 2019 08:30 (30 minutes)

**Presenter:** YANAGIDA, Tsutomu (TDLI-SJTU) **Session Classification:** Plenary Session 1 2nd TDLI Mini-... / Report of Contributions

Theoretical and observational  $co \boxtimes ...$ 

Contribution ID: 5

Type: not specified

#### Theoretical and observational confrontation of cosmology and gravity, and the new era of multi-messenger astronomy

Sunday, 4 August 2019 13:30 (25 minutes)

Presenter: SARIDAKIS, Emmanuel (National Technical University of Athens & Baylor U.)Session Classification: Parallel Session 3a (GW & Cosmo)

Gravitational wave and Collider s⊠...

Contribution ID: 6

Type: not specified

## Gravitational wave and Collider searches for the EWSB patterns

Sunday, 4 August 2019 13:55 (25 minutes)

Presenter:BIAN, Ligong (Chongqing University)Session Classification:Parallel Session 3a (GW & Cosmo)

Gravitational waves induced b⊠...

Contribution ID: 7

Type: not specified

# Gravitational waves induced by non-Gaussian scalar perturbations

Sunday, 4 August 2019 14:20 (25 minutes)

**Presenter:** PI, Shi (Kavli IPMU)

Session Classification: Parallel Session 3a (GW & Cosmo)

Probing decoupling in dark sector ...

Contribution ID: 8

Type: not specified

## Probing decoupling in dark sector with cosmic microwave background

Sunday, 4 August 2019 14:45 (25 minutes)

Presenter:CHOI, Gongjun (Tsung-Dao Lee Institute)Session Classification:Parallel Session 3a (GW & Cosmo)

Constraints on the Higgs decay w⊠...

Contribution ID: 9

Type: not specified

# Constraints on the Higgs decay width & searches for invisibly decaying Higgs bosons at the LHC

Sunday, 4 August 2019 13:30 (25 minutes)

Presenter: OKAWA, Hideki (Fudan University)Session Classification: Parallel Session 3b (LHC)

New physics searches at ATLAS

Contribution ID: 10

Type: not specified

### New physics searches at ATLAS

Sunday, 4 August 2019 13:55 (25 minutes)

**Presenter:** LIANG, Zhijun (IHEP)

Session Classification: Parallel Session 3b (LHC)

Leave No Stone Unturned - Brie⊠...

Contribution ID: 11

Type: not specified

#### Leave No Stone Unturned - Brief Discussion of Less Explored Areas at the LHC

Sunday, 4 August 2019 14:20 (25 minutes)

**Presenter:** WU, Yusheng (University of Science and Technology of China (CN)) **Session Classification:** Parallel Session 3b (LHC)

Recent updates on Higgs coupling ...

Contribution ID: 12

Type: not specified

## Recent updates on Higgs coupling measurements at ATLAS

Sunday, 4 August 2019 14:45 (25 minutes)

Presenter: LIU, Kun

Session Classification: Parallel Session 3b (LHC)

Self-interacting dark matter and t⊠...

Contribution ID: 13

Type: not specified

## Self-interacting dark matter and the general singlet extension of the MSSM

Sunday, 4 August 2019 15:40 (25 minutes)

Presenter: WANG, Wenyu (Beijing University of Technology)Session Classification: Parallel Session 4a (Dark Matter)

Measuring the Spectrum of Freeze- ...

Contribution ID: 14

Type: not specified

#### Measuring the Spectrum of Freeze-In Dark Matter Model at the LHC

Sunday, 4 August 2019 16:05 (25 minutes)

Presenter: ZHANG, Mengchao (Jinan University)Session Classification: Parallel Session 4a (Dark Matter)

Cosmic-ray boosted dark matter a⊠...

Contribution ID: 15

Type: not specified

# Cosmic-ray boosted dark matter and its effect on the electron direct detection

Sunday, 4 August 2019 16:30 (25 minutes)

Presenter: DING, Ran

Session Classification: Parallel Session 4a (Dark Matter)

Aspects of Boson Stars

Contribution ID: 16

Type: not specified

#### **Aspects of Boson Stars**

Sunday, 4 August 2019 16:55 (25 minutes)

**Presenter:** SCHIAPPACASSE, Enrico D. (Shanghai Jiao Tong University & Tsung-Dao Lee Institute)

Session Classification: Parallel Session 4a (Dark Matter)

Positivity bounds on vector boson ...

Contribution ID: 17

Type: not specified

#### Positivity bounds on vector boson scattering

Sunday, 4 August 2019 15:40 (25 minutes)

**Presenter:** ZHANG, Cen (IHEP)

Searches for new low-mass partic⊠...

Contribution ID: 18

Type: not specified

#### Searches for new low-mass particles at LHCb

Sunday, 4 August 2019 16:05 (25 minutes)

**Presenter:** YIN, Hang (Central China Normal University CCNU (CN)) **Session Classification:** Parallel Session 4b (Pheno)

The B-L solution to muon g-2 puzzle

Contribution ID: 19

Type: not specified

#### The B-L solution to muon g-2 puzzle

Sunday, 4 August 2019 16:30 (25 minutes)

Presenter: KANG, Zhaofeng (华中科技大学 (HUST))

SUSY Search at LHC

Contribution ID: 20

Type: not specified

#### **SUSY Search at LHC**

Sunday, 4 August 2019 16:55 (25 minutes)

**Presenter:** CHENG, Huajie

New Physics from Ultrahigh Ene⊠...

Contribution ID: 21

Type: not specified

#### **New Physics from Ultrahigh Energy Cosmic Rays**

*Monday, 5 August 2019 08:30 (30 minutes)* 

**Presenter:** MA, Bo-Qiang (Peking University) **Session Classification:** Plenary Session 5

The SUSY Models

Contribution ID: 22

Type: not specified

#### The SUSY Models

Monday, 5 August 2019 09:00 (30 minutes)

**Presenter:** LI, Tian-Jun (ITP)

Hidden-charm molecular pentaq $\boxtimes$ ...

Contribution ID: 23

Type: not specified

#### Hidden-charm molecular pentaquarks

Monday, 5 August 2019 09:30 (30 minutes)

Presenter: LIU, Xiang

Neutrino mass models based on s⊠…

Contribution ID: 24

Type: not specified

#### Neutrino mass models based on symmetries

Monday, 5 August 2019 10:30 (25 minutes)

**Presenter:** DING, Gui-Jun (University of Science and Technology of China) **Session Classification:** Parallel Sessions 6a (Neutrino)

Measuring Leptonic CP Violation...

Contribution ID: 25

Type: not specified

#### Measuring Leptonic CP Violation using Muon Decay at Rest

Monday, 5 August 2019 10:55 (25 minutes)

Presenter:EVSLIN, Jarah (Institute of Modern Physics, CAS)Session Classification:Parallel Sessions 6a (Neutrino)

Status and prospects of mu-tau s⊠...

Contribution ID: 26

Type: not specified

#### Status and prospects of mu-tau symmetry

Monday, 5 August 2019 11:20 (25 minutes)

Presenter: NATH, Newton (IHEP, Beijing)

PandaX-III: Search for neutrinoless ...

Contribution ID: 27

Type: not specified

## PandaX-III: Search for neutrinoless double beta decay of 136Xe at CJPL

Monday, 5 August 2019 11:45 (25 minutes)

**Presenter:** WANG, Shaobo

Signature of 2HDM at Higgs Fact⊠...

Contribution ID: 28

Type: not specified

### Signature of 2HDM at Higgs Factories

Monday, 5 August 2019 10:30 (25 minutes)

**Presenter:** YAN, Qi-Shu (UCAS)

Top quark pair production

Contribution ID: 29

Type: not specified

### Top quark pair production

Monday, 5 August 2019 10:55 (25 minutes)

**Presenter:** YANG, Lilin

The Fate of Jet: Its Emergence and ...

Contribution ID: 30

Type: not specified

#### The Fate of Jet: Its Emergence and Disappearance

Monday, 5 August 2019 11:20 (25 minutes)

**Presenter:** ZHU, HuaXing (Zhejiang University)

Probing New Physics Scale via  $n\boxtimes \dots$ 

Contribution ID: 31

Type: not specified

#### Probing New Physics Scale via nTGC at e + e -Colliders

Monday, 5 August 2019 11:45 (25 minutes)

**Presenter:** XIAO, Ruiqing

The many faces of nonstandard  $n\boxtimes$ ...

Contribution ID: 32

Type: not specified

#### The many faces of nonstandard neutrino interactions

Monday, 5 August 2019 13:30 (30 minutes)

Presenter: MARFATIA, DannySession Classification: Plenary Session 7

Detecting ultralight dark matte⊠...

Contribution ID: 33

Type: not specified

## Detecting ultralight dark matter with high-precision astrometry and timing

Monday, 5 August 2019 14:00 (30 minutes)

Presenter: YUAN, Qiang (Purple Mountain Observatory)Session Classification: Plenary Session 7

Status of the PandaX Experiment

Contribution ID: 34

Type: not specified

#### **Status of the PandaX Experiment**

Monday, 5 August 2019 14:30 (30 minutes)

Presenter: ZHOU, Ning (Shanghai Jiao Tong University)Session Classification: Plenary Session 7

Higgs and Electroweak measure⊠...

Contribution ID: 35

Type: not specified

## Higgs and Electroweak measurements and their EFT interpretation

Sunday, 4 August 2019 10:30 (30 minutes)

**Presenter:** HAYS, Chris (Oxford University)

Status for the CEPC and the phys⊠...

Contribution ID: 36

Type: not specified

### Status for the CEPC and the physics study towards the TDR

Sunday, 4 August 2019 11:00 (30 minutes)

**Presenter:** RUAN, Manqi (Institute of High Energy Physics, Beijing, China)

Searching for particle physics sig⊠...

Contribution ID: 37

Type: not specified

## Searching for particle physics signals via gravitational wave astronomy

Sunday, 4 August 2019 11:30 (30 minutes)

Presenter: CAI, Yi-Fu (University of Science and Technology of China)

Recent Progress on Scattering A $\square$ ...

Contribution ID: 38

Type: not specified

### **Recent Progress on Scattering Amplitudes**

Monday, 5 August 2019 15:00 (30 minutes)

**Presenter:** HE, Song (ITP-CAS)