

# **CEPC 味物理-新物理和相关探 测技术研讨会**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **CEPC flavor physics: Whitepaper status & future plan**

**Presenter:** LI, Lingfeng (HKUST)

Contribution ID: 2

Type: **not specified**

# CEPC flavor physics: Whitepaper status & future plan

*Monday, 14 August 2023 08:45 (25 minutes)*

**Presenter:** LI, Lingfeng (HKUST)

**Session Classification:** General

Contribution ID: 3

Type: **not specified**

## **CEPC NP physics: towards White Paper**

*Monday, 14 August 2023 09:10 (15 minutes)*

**Presenter:** ZHUANG, XuAi (IHEP)

**Session Classification:** General

Contribution ID: 4

Type: **not specified**

## **CEPC EW physics: towards White Paper**

*Monday, 14 August 2023 09:25 (15 minutes)*

**Presenter:** GU, Jiayin (Fudan University)

**Session Classification:** General

Contribution ID: 5

Type: **not specified**

## **Briefing of CEPC Status & Objective of workshop**

*Monday, 14 August 2023 08:30 (15 minutes)*

**Presenter:** RUAN, Manqi (IHEP)

**Session Classification:** General

Contribution ID: 6

Type: **not specified**

## Experimental overview on flavor physics

**Session Classification:** Flavour

Contribution ID: 7

Type: **not specified**

## **B0 to pipi @CEPC**

*Monday, 14 August 2023 14:25 (15 minutes)*

**Presenter:** WANG, Yuexin

**Session Classification:** Flavour



Contribution ID: 8

Type: **not specified**

## **Bs->Jpsi Phi @CEPC**

*Monday, 14 August 2023 14:40 (15 minutes)*

**Presenter:** ZHAO, Mingrui (China Institute of Atomic Energy)

**Session Classification:** Flavour

Contribution ID: 9

Type: **not specified**

## **LFU/LFV review**

*Tuesday, 15 August 2023 09:30 (25 minutes)*

**Presenter:** CALIBBI, Lorenzo (Nankai University)

**Session Classification:** Flavour

Contribution ID: **10**

Type: **not specified**

## **R(D) & R(D\*) @ Belle II**

**Session Classification:** Flavour

Contribution ID: 11

Type: **not specified**

## **R(D) & R(D\*) @ LHCb**

*Tuesday, 15 August 2023 08:30 (20 minutes)*

**Presenter:** HE, Jibo (UCAS)

**Session Classification:** Flavour

Contribution ID: 12

Type: **not specified**

## **Higgs -> Tau Mu From CMS/ATLAS**

**Presenter:** ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

**Session Classification:** Flavour

Contribution ID: 13

Type: **not specified**

## Flavor violating Higgs and Z decays

*Monday, 14 August 2023 15:20 (20 minutes)*

**Presenter:** TAMMARO, Michele

**Session Classification:** Flavour

Contribution ID: 14

Type: **not specified**

## Exclusive decays: Higgs

**Presenters:** YAN, Bin (IHEP); YAN, Bin (Los Alamos National Lab)

**Session Classification:** Flavour

Contribution ID: 15

Type: **not specified**

## Heavy Neutrino Search at Z factory

*Thursday, 17 August 2023 11:55 (20 minutes)*

**Presenter:** DING, Jian-Nan (Peking University)

**Session Classification:** Flavour



Contribution ID: 16

Type: **not specified**

## Invisible Baryon Decay

*Thursday, 17 August 2023 12:15 (20 minutes)*

**Presenter:** 郑, 勇 (兰州大学)

**Session Classification:** Flavour

Contribution ID: 17

Type: **not specified**

## Exotics experimental status

*Wednesday, 16 August 2023 16:10 (25 minutes)*

**Presenter:** ZHANG, Yanxi (Peking University)

**Session Classification:** Flavour

Contribution ID: **18**

Type: **not specified**

## **Production of doubly heavy hadrons (NRQCD)**

*Wednesday, 16 August 2023 16:35 (20 minutes)*

**Presenter:** 马, 鸿浩 (Peking University)

**Session Classification:** Flavour

Contribution ID: 19

Type: **not specified**

## **Production of heavy hadrons from Z & Higgs decays (NRQCD)**

*Wednesday, 16 August 2023 16:55 (20 minutes)*

**Presenter:** ZHENG, Xuchang (Institute of Theoretical Physics)

**Session Classification:** Flavour

Contribution ID: 20

Type: **not specified**

## FCNC global fit

**Presenter:** XU, Fanrong (Jinan University)

**Session Classification:** Flavour

Contribution ID: 21

Type: **not specified**

## Charm physics measurement at LHCb

*Thursday, 17 August 2023 10:55 (20 minutes)*

**Presenter:** SUN, Liang (Wuhan University)

**Session Classification:** Flavour

Contribution ID: 22

Type: **not specified**

## Charm physics measurement at BES III

*Thursday, 17 August 2023 11:15 (20 minutes)*

**Presenter:** KE, Bai-Cian (Zhengzhou University)

**Session Classification:** Flavour

Contribution ID: 23

Type: **not specified**

## **DiPion distribution amplitudes and the semileptonic decays of strange charm meson**

*Thursday, 17 August 2023 11:35 (20 minutes)*

**Presenter:** CHENG, Shan (Hunan University)

**Session Classification:** Flavour



Contribution ID: 24

Type: **not specified**

**Vcb**

**Session Classification:** Flavour

Contribution ID: 25

Type: **not specified**

## **T-odd CP violation**

*Thursday, 17 August 2023 16:10 (20 minutes)*

**Presenter:** QIN, Qin (华中科技大学 (HUST))

**Session Classification:** Flavour

Contribution ID: 26

Type: **not specified**

## Double-mixing CP violation

*Thursday, 17 August 2023 16:30 (20 minutes)*

**Presenter:** SHEN, Yin-Fa (Huazhong University of Science and Technology)

**Session Classification:** Flavour

Contribution ID: 27

Type: **not specified**

## Partial-wave CP violation

*Thursday, 17 August 2023 16:50 (20 minutes)*

**Presenter:** ZHANG, Zhenhua (Institute of Theoretical Physics)

**Session Classification:** Flavour

Contribution ID: 28

Type: **not specified**

## **Time dependent measurement (LHCb/Belle II)**

*Thursday, 17 August 2023 15:50 (20 minutes)*

**Presenter:** LI, Peilian (University of Science and Technology of China)

**Session Classification:** Flavour

Contribution ID: 29

Type: **not specified**

## **BSM From Tau decay**

*Friday, 18 August 2023 14:00 (25 minutes)*

**Presenter:** KWOK, Tsz Hong (Hong Kong university of Science and Technology)

**Session Classification:** Flavour

Contribution ID: **30**

Type: **not specified**

## **LFU/LFV In tau decays**

*Friday, 18 August 2023 14:25 (20 minutes)*

**Presenter:** LUSIANI, Alberto (Scuola Normale Superiore)

**Session Classification:** Flavour

Contribution ID: 31

Type: **not specified**

## Theoretical review on Physics with Tau

*Friday, 18 August 2023 14:45 (20 minutes)*

**Presenter:** GUO, Zihui

**Session Classification:** Flavour



Contribution ID: 32

Type: **not specified**

## Belle II at Tau Physics/mass

*Friday, 18 August 2023 15:05 (20 minutes)*

**Presenters:** LI, Yubo (BUAA); LI, Yubo (Beihang University); LI, Yubo (Fudan University); LI, yubo (Peking University)

**Session Classification:** Flavour

Contribution ID: 33

Type: **not specified**

## **Precision measurement of Tau lepton mass at BES III**

*Friday, 18 August 2023 15:45 (20 minutes)*

**Presenter:** 罗, 涛 (Fudan University)

**Session Classification:** Flavour

Contribution ID: 34

Type: **not specified**

## Sleptons and Electroweakino searches at CEPC

*Monday, 14 August 2023 16:10 (15 minutes)*

**Presenter:** YUAN, Jiarong (南开大学)

**Session Classification:** New Physics

Contribution ID: 35

Type: **not specified**

## **Probing relatively heavier right-handed selectron in the GmSUGRA**

*Monday, 14 August 2023 16:25 (15 minutes)*

**Presenter:** RAZA, Shabbar (Federal urdu university)

**Session Classification:** New Physics

Contribution ID: 36

Type: **not specified**

## Prospects for Off-Shell Slepton Searches at CEPC

*Monday, 14 August 2023 16:40 (15 minutes)*

**Presenter:** ZHU, Pengxuan (ITP, CAS)

**Session Classification:** New Physics

Contribution ID: 37

Type: **not specified**

# Implications of muon and electron $g-2$ anomalies for NMSSM

*Monday, 14 August 2023 16:55 (15 minutes)*

**Presenter:** WANG, Fei (Department of Physics, ZhengZhou University)

**Session Classification:** New Physics

Contribution ID: 38

Type: **not specified**

## **Some exotic Higgs decay from NMSSM at the CEPC**

*Monday, 14 August 2023 17:10 (15 minutes)*

**Presenter:** WANG, Kun (University of Shanghai for Science and Technology)

**Session Classification:** New Physics

Contribution ID: 39

Type: **not specified**

## **Muon g-2: SUSY vs non-SUSY explanations**

*Monday, 14 August 2023 17:25 (15 minutes)*

**Presenter:** ATHRON, Peter (Nanjing Normal University)

**Session Classification:** New Physics



Contribution ID: 40

Type: **not specified**

## **Axion Like Particle Search at Higgs Factories**

*Wednesday, 16 August 2023 10:45 (20 minutes)*

Remote

**Presenter:** CHEUNG, Kingman

**Session Classification:** New Physics

Contribution ID: 41

Type: **not specified**

# Flavour Physics, the Higgs boson, and Emergent Mass

*Wednesday, 16 August 2023 11:05 (20 minutes)*

**Presenter:** ROBERTS, Craig (Nanjing University)

**Session Classification:** New Physics

Contribution ID: 42

Type: **not specified**

# Composite Higgs Models at the High Energy Muon Collider

*Wednesday, 16 August 2023 11:25 (20 minutes)*

Remote

**Presenter:** LIU, Da

**Session Classification:** New Physics

Contribution ID: 43

Type: **not specified**

## Neutrino Nature and Heavy Neutral Leptons

*Wednesday, 16 August 2023 11:45 (20 minutes)*

**Presenter:** DEPPISCH, Frank (University College London)

**Session Classification:** New Physics

Contribution ID: 44

Type: **not specified**

## Neutrino Dipole Portal at colliders

*Friday, 18 August 2023 09:50 (20 minutes)*

**Presenter:** ZHANG, Yu (合肥工业大学)

**Session Classification:** New Physics

Contribution ID: 45

Type: **not specified**

## Top mass

*Tuesday, 15 August 2023 12:15 (20 minutes)*

**Presenter:** SUN, Xiaohu (Peking University)

**Session Classification:** New Physics

Contribution ID: 46

Type: **not specified**

## Higgs decays

*Tuesday, 15 August 2023 11:35 (20 minutes)*

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

**Session Classification:** New Physics

Contribution ID: 47

Type: **not specified**

## Higgs CP via tautau

*Tuesday, 15 August 2023 11:55 (20 minutes)*

**Presenters:** CHEN, Xin (Tsinghua University); WU, Yongcheng (Carleton University); WU, Yongcheng (Carleton University)

**Session Classification:** New Physics



Contribution ID: 48

Type: **not specified**

## Higgs & Z exotic decay

*Tuesday, 15 August 2023 10:55 (20 minutes)*

**Presenter:** LIU, Zhen (University of Minnesota)

**Session Classification:** New Physics

Contribution ID: 49

Type: **not specified**

## **Tau/B/C FCNC to LLP**

*Tuesday, 15 August 2023 17:40 (20 minutes)*

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

**Session Classification:** New Physics

Contribution ID: 50

Type: **not specified**

## Lighting Electroweak-Violating ALP-Lepton Interactions at CEPC

*Thursday, 17 August 2023 14:40 (20 minutes)*

**Presenter:** 卢, 致廷 (南京师范大学)

**Session Classification:** New Physics

Contribution ID: 51

Type: **not specified**

## SMEFT

*Friday, 18 August 2023 08:30 (20 minutes)*

**Presenter:** DU, Yong (TD Lee Institute)

**Session Classification:** New Physics

Contribution ID: 52

Type: **not specified**

## **(top + flavor) -> SMEFT**

**Presenters:** SHI, Liaoshan (IHEP/Sun Yat-Sen University); SHI, Liaoshan

**Session Classification:** New Physics

Contribution ID: 53

Type: **not specified**

## Minimal SUSY global fits with GAMBIT

*Friday, 18 August 2023 08:50 (20 minutes)*

**Presenter:** ATHRON, Peter (Nanjing Normal University)

**Session Classification:** New Physics

Contribution ID: 54

Type: **not specified**

## 2HDM under lepton colliders

*Wednesday, 16 August 2023 15:20 (20 minutes)*

**Presenter:** 苏, 伟 (Sun Yat-Sen University)

**Session Classification:** New Physics

Contribution ID: 55

Type: **not specified**

## **Revisiting Vacuum Stability and CEPC Constraints for the GM Model**

*Friday, 18 August 2023 09:30 (20 minutes)*

**Presenter:** DU, Xiaokang (Henan Academy of Sciences)

**Session Classification:** New Physics



Contribution ID: 56

Type: **not specified**

## **Probing Lepton Flavor Violation at Circular Electron-Positron Colliders**

*Tuesday, 15 August 2023 11:15 (20 minutes)*

**Presenter:** ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

**Session Classification:** New Physics

Contribution ID: 57

Type: **not specified**

## **Theoretical review of R(D) and R(D\*)**

*Tuesday, 15 August 2023 08:50 (20 minutes)*

**Presenter:** WATANABE, Ryotaro (CCNU)

**Session Classification:** Flavour

Contribution ID: 58

Type: **not specified**

## Global fit of b to s l+ l- decays

*Tuesday, 15 August 2023 09:10 (20 minutes)*

**Presenter:** XU, Fanrong (Jinan University)

**Session Classification:** Flavour

Contribution ID: 59

Type: **not specified**

## **FCNC & Rare decay of Higgs measurements at CEPC**

*Monday, 14 August 2023 14:55 (25 minutes)*

**Presenters:** LIANG, Hao; LIANG, Hao (Institute of High Energy Physics, CAS); 朱, 永峰

**Session Classification:** Flavour

Contribution ID: **60**

Type: **not specified**

## **LHCb PID system & TORCH detector**

*Monday, 14 August 2023 11:05 (25 minutes)*

**Presenter:** EGEDE, Ulrik (Monash University)

**Session Classification:** Detector

Contribution ID: **61**

Type: **not specified**

## **Belle II PID systems**

*Monday, 14 August 2023 11:30 (25 minutes)*

**Presenter:** NISHIDA, Shohei (KEK)

**Session Classification:** Detector

Contribution ID: **62**

Type: **not specified**

**TBD**

**Presenter:** TBD

**Session Classification:** Detector

Contribution ID: **63**

Type: **not specified**

## **ITS3/ITS4 of ALICE**

*Monday, 14 August 2023 14:00 (25 minutes)*

**Presenter:** YIN, Zhongbao (华中师范大学)

**Session Classification:** Flavour



Contribution ID: **64**

Type: **not specified**

## **R&D of high-granularity crystal ECAL for CEPC**

*Wednesday, 16 August 2023 09:20 (20 minutes)*

**Presenter:** ZHAO, Zhiyu (TDLI/SJTU)

**Session Classification:** Detector

Contribution ID: 65

Type: **not specified**

## Feasibility study of $dN/dx$ at Pixel TPC

*Wednesday, 16 August 2023 08:30 (20 minutes)*

**Presenter:** QI, Huirong (Institute of High Energy Physics, CAS)

**Session Classification:** Detector

Contribution ID: 66

Type: **not specified**

## Study of graph neural network on FPGA

*Friday, 18 August 2023 12:10 (15 minutes)*

**Presenter:** 张, 玉涛 (IHEP)

**Session Classification:** Detector

Contribution ID: 67

Type: **not specified**

## **Beam induced backgrounds at the CEPC**

*Tuesday, 15 August 2023 15:30 (20 minutes)*

**Presenter:** SHI, Haoyu (IHEP)

**Session Classification:** Detector

Contribution ID: **68**

Type: **not specified**

## **Impact on VTX/Gasesous Chamber**

*Friday, 18 August 2023 11:10 (15 minutes)*

**Presenter:** XU, Wei (IHEP)

**Session Classification:** Detector

Contribution ID: 69

Type: **not specified**

## **Machine Background - Collimator @ BEPC Experiments**

*Friday, 18 August 2023 10:30 (20 minutes)*

**Presenter:** WANG, Bin (IHEP)

**Session Classification:** Detector

Contribution ID: 70

Type: **not specified**

## **LumiCal for two photon flavor**

*Friday, 18 August 2023 10:50 (20 minutes)*

**Presenter:** HOU, Suen (IPAS)

**Session Classification:** Detector

Contribution ID: 71

Type: **not specified**

## Developing software in CEPCSW

*Thursday, 17 August 2023 08:30 (25 minutes)*

**Presenter:** LI, Weidong (IHEP)

**Session Classification:** Detector



Contribution ID: 72

Type: **not specified**

# Machine Learning reconstruction and simulation at BESIII

*Thursday, 17 August 2023 08:55 (25 minutes)*

**Presenter:** YUAN, Ye (IHEP)

**Session Classification:** Detector

Contribution ID: 73

Type: **not specified**

## Jet tagging study at CEPC

*Thursday, 17 August 2023 09:20 (15 minutes)*

**Presenter:** LIAO, Libo (IHEP)

**Session Classification:** Detector

Contribution ID: 74

Type: **not specified**

## Jet tagging using PN

*Friday, 18 August 2023 11:40 (15 minutes)*

**Presenter:** ZHU, Yongfeng (IHEP)

**Session Classification:** Detector

Contribution ID: 75

Type: **not specified**

## **Software method to improve Mass resolution**

**Presenter:** HE, Junchi

**Session Classification:** Detector

Contribution ID: 76

Type: **not specified**

## Measurement of energy correlators at the CMS

**Presenter:** XIAO, meng (Zhejiang University)

**Session Classification:** Detector

Contribution ID: 77

Type: **not specified**

## Large scale PID detector at EIC

*Thursday, 17 August 2023 09:50 (20 minutes)*

**Presenter:** YE, Zhihong (Tsinghua University)

**Session Classification:** Detector

Contribution ID: 78

Type: **not specified**

## **Status and plan of the 4th Detector overall performance**

*Monday, 14 August 2023 10:35 (30 minutes)*

**Presenter:** WANG, Jianchun (IHEP)

**Session Classification:** Detector

Contribution ID: 79

Type: **not specified**

## MRPC detectors

*Tuesday, 15 August 2023 14:00 (20 minutes)*

**Presenter:** WANG, Yi (Tsinghua University)

**Session Classification:** Detector



Contribution ID: **80**

Type: **not specified**

## **Time of flight detector based on Low-Gain Avalanche Diodes technology**

*Tuesday, 15 August 2023 14:20 (20 minutes)*

**Presenter:** LIANG ZHIJUN, 梁志均 (IHEP)

**Session Classification:** Detector

Contribution ID: **81**

Type: **not specified**

## **R&D for STCF PID detector**

*Tuesday, 15 August 2023 14:40 (20 minutes)*

**Presenter:** 刘, 倩 (University of Chinese Academy of Sciences)

**Session Classification:** Detector

Contribution ID: **82**

Type: **not specified**

## **Timing measurement at Cluster level**

*Tuesday, 15 August 2023 15:00 (15 minutes)*

**Presenter:** CHE, Yuzhi (IHEP)

**Session Classification:** Detector

Contribution ID: 83

Type: **not specified**

## **R&D for Belle II KLM upgrade with timing measurement**

*Tuesday, 15 August 2023 15:15 (15 minutes)*

**Presenter:** WANG, Xiyang (Fudan University)

**Session Classification:** Detector

Contribution ID: 84

Type: **not specified**

## 阵列探测器 FPGA 读出电子学进展

*Friday, 18 August 2023 11:55 (15 minutes)*

**Presenter:** 吝, 守龙 (CIAE)

**Session Classification:** Detector

Contribution ID: **85**

Type: **not specified**

## Top FCNC

*Wednesday, 16 August 2023 17:15 (20 minutes)*

**Presenters:** SHI, Liaoshan (University College London); SHI, Liaoshan

**Session Classification:** Flavour

Contribution ID: **86**

Type: **not specified**

## **LLP search from Tau FCNC decay**

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

**Session Classification:** Flavour

Contribution ID: 87

Type: **not specified**

## Overview of Recent LLP Results

*Tuesday, 15 August 2023 16:20 (20 minutes)*

**Presenter:** WANG, Kechen (Wuhan University of Technology)

**Session Classification:** New Physics



Contribution ID: 88

Type: **not specified**

## **The dipole portal to heavy neutrinos at future colliders**

*Tuesday, 15 August 2023 16:40 (20 minutes)*

**Presenter:** ZHU, Jingyu (SJTU)

**Session Classification:** New Physics

Contribution ID: **89**

Type: **not specified**

## Theory : new gauge boson

*Tuesday, 15 August 2023 17:00 (20 minutes)*

**Presenter:** DAS, Arindam (Hokkaido Univeresity)

**Session Classification:** New Physics

Contribution ID: **90**

Type: **not specified**

## **Experiment : event signature - ML**

*Tuesday, 15 August 2023 17:20 (20 minutes)*

**Presenter:** HU, Jifeng (South China Normal University)

**Session Classification:** New Physics

Contribution ID: 91

Type: **not specified**

# Complementarity of Lepton Collider Probes of Dark Matter

*Thursday, 17 August 2023 14:00 (20 minutes)*

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

**Session Classification:** New Physics

Contribution ID: 92

Type: **not specified**

## Probing dark matter particles at CEPC

*Thursday, 17 August 2023 14:20 (20 minutes)*

**Presenter:** LIU, Zuowei (Nanjing University)

**Session Classification:** New Physics

Contribution ID: 93

Type: **not specified**

## **A unique $\gamma_5$ prescription for Standard Model with application to Top Physics**

*Thursday, 17 August 2023 15:00 (20 minutes)*

**Presenter:** CHEN, Long (Shandong University)

**Session Classification:** New Physics

Contribution ID: 94

Type: **not specified**

## Some exotic Higgs decay from NMSSM at the CEPC

**Presenters:** WANG, Kun (Wuhan University); WANG, Kun (Central China Normal University); WANG, Kun (University of Shanghai for Science and Technology); WANG, Kun (Wuhan University)

**Session Classification:** New Physics

Contribution ID: 95

Type: **not specified**

## Dipole

*Friday, 18 August 2023 09:10 (20 minutes)*

**Presenter:** 文, 新锴 (PKU)

**Session Classification:** New Physics



Contribution ID: 96

Type: **not specified**

## Progress on electroweak phase transition

*Wednesday, 16 August 2023 14:00 (20 minutes)*

**Presenter:** BIAN, Ligong (ITP/KITPC)

**Session Classification:** New Physics

Contribution ID: 97

Type: **not specified**

# Collider and Gravitational Wave Complementarity in Probing the Electroweak Phase Transition

*Wednesday, 16 August 2023 14:20 (20 minutes)*

**Presenter:** GUO, Huaikē (UCAS (ICTP-AP))

**Session Classification:** New Physics

Contribution ID: 98

Type: **not specified**

## **Electroweak phase transitions: theory issues and collider tests**

*Wednesday, 16 August 2023 14:40 (20 minutes)*

**Presenter:** 蒋,  (Sun Yat-Sen (Zhongshan) University)

**Session Classification:** New Physics

Contribution ID: 99

Type: **not specified**

## Testing EWPT at the lifetime and energy frontiers

*Wednesday, 16 August 2023 15:00 (20 minutes)*

**Presenter:** LIU, Wei (Nanjing University of Science and Technology)

**Session Classification:** New Physics

Contribution ID: **100**

Type: **not specified**

## Exotic hadron production

**Presenter:** QIN, Qin (华中科技大学 (HUST))

**Session Classification:** Flavour

Contribution ID: **101**

Type: **not specified**

## Quantum Entanglement at Colliders

*Tuesday, 15 August 2023 18:00 (20 minutes)*

**Presenter:** 张, 昊 (中国科学院高能物理研究所理论室)

**Session Classification:** New Physics

Contribution ID: **102**

Type: **not specified**

## **Measurement of energy correlators at CMS**

*Wednesday, 16 August 2023 17:35 (15 minutes)*

**Presenter:** XIAO, Meng (Zhejiang University)

**Session Classification:** Flavour

Contribution ID: **103**

Type: **not specified**

## **The performance of the ALICE TPC**

*Wednesday, 16 August 2023 08:50 (15 minutes)*

**Presenter:** BAI, Xiaozhi (University of Science and Technology of China)

**Session Classification:** Detector



Contribution ID: **104**

Type: **not specified**

## **Performance study using Fast Simulation for Drift Chamber**

*Wednesday, 16 August 2023 09:05 (15 minutes)*

**Presenter:** GAO, Xu (Jilin unversity)

**Session Classification:** Detector

Contribution ID: **105**

Type: **not specified**

## **The simulation of the GS-HCAL-CEPC**

*Wednesday, 16 August 2023 09:40 (15 minutes)*

**Presenter:** HU, Peng (IHEP)

**Session Classification:** Detector

Contribution ID: **106**

Type: **not specified**

## **The progress of the R&D of the Glass Scintillator**

*Wednesday, 16 August 2023 09:55 (20 minutes)*

**Presenter:** 华, 哲浩 (IHEP)

**Session Classification:** Detector

Contribution ID: **107**

Type: **not specified**

## **Software method to improve Mass resolution**

*Thursday, 17 August 2023 09:35 (15 minutes)*

**Presenter:** WANG, Yuanzhan (Jilin University)

**Session Classification:** Detector

Contribution ID: **108**

Type: **not specified**

## **FPMT-timing detector**

*Thursday, 17 August 2023 10:10 (15 minutes)*

**Presenter:** MA, Lishuang (IHEP)

**Session Classification:** Detector

Contribution ID: **109**

Type: **not specified**

## **AI talk**

*Thursday, 17 August 2023 17:10 (45 minutes)*

**Presenter:** WU, Hengkui

**Session Classification:** special talk

Contribution ID: 110

Type: **not specified**

## **EFTs of Weakly-Interacting Light Particle and Their phenomenology in Flavor Physics**

*Friday, 18 August 2023 15:25 (20 minutes)*

**Presenter:** SONG, Huayang (Institute of Theoretical Physics)

**Session Classification:** Flavour

Contribution ID: 111

Type: **not specified**

## **A modified Koide formula from scalar potential models and from Yukawaon models**

*Wednesday, 16 August 2023 12:05 (20 minutes)*

**Presenter:** SUN, Zheng (Sichuan University)

**Session Classification:** New Physics



Contribution ID: 112

Type: **not specified**

## **New results from Muon g-2**

*Monday, 14 August 2023 09:40 (25 minutes)*

**Presenter:** LI, Liang (Shanghai Jiao Tong University)

**Session Classification:** General

Contribution ID: 113

Type: **not specified**

## **Development of a baseline vertex detector prototype for the CEPC**

*Friday, 18 August 2023 11:25 (15 minutes)*

**Presenter:** WU, Tianya (IHEP)

**Session Classification:** Detector

Contribution ID: 114

Type: **not specified**

## Measurement of energy correlators at the CMS

**Presenter:** XIAO, meng (Zhejiang University)

**Session Classification:** Flavour

Contribution ID: 115

Type: **not specified**

## **New directions in kaon physics**

*Tuesday, 15 August 2023 09:55 (20 minutes)*

**Presenter:** DERY, Avital (Cornell University)

**Session Classification:** Flavour

Contribution ID: **116**

Type: **not specified**

## **Towards Electroweak White Paper**

*Friday, 18 August 2023 17:05 (20 minutes)*

**Session Classification:** Discussion

Contribution ID: 117

Type: **not specified**

## Towards New Physics Whitepaper

*Friday, 18 August 2023 16:35 (30 minutes)*

**Session Classification:** Discussion

Contribution ID: **118**

Type: **not specified**

## **Detector requirements: Pid & LLP, etc**

*Friday, 18 August 2023 17:25 (20 minutes)*

**Session Classification:** Discussion

Contribution ID: **119**

Type: **not specified**

## **Farewell**

*Friday, 18 August 2023 17:45 (5 minutes)*

**Session Classification:** Discussion