

The 3rd CEPC Physics Software Meeting

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome & Content of the Discussion

Contribution ID: 1

Type: **not specified**

measurement of the Z/gamma* forward-backward asymmetry in muon pairs at the Z pole

Monday, 28 November 2016 11:30 (30 minutes)

Presenters: Mr LI, Mengran; Prof. LIANG, Zhijun (IHEP)

Session Classification: Physics Benchmark Performance

Contribution ID: 2

Type: **not specified**

EW Precision Measurement at the Z Pole

Monday, 28 November 2016 11:00 (30 minutes)

Presenter: Prof. LIANG, Zhijun (IHEP)

Session Classification: Physics Benchmark Performance

Contribution ID: 3

Type: **not specified**

H->Mumu Analysis

Monday, 28 November 2016 10:40 (20 minutes)

Presenter: Mr CUI, zhenwei

Session Classification: Physics Benchmark Performance

Contribution ID: 4

Type: **not specified**

Higgs recoil and Higgs width

Monday, 28 November 2016 09:50 (30 minutes)

Presenter: Mr CHEN, Zhenxing (Peking University)

Session Classification: Physics Benchmark Performance

Contribution ID: 5

Type: **not specified**

Higgs->bb, cc, gg

Contribution ID: 6

Type: **not specified**

Higgs->bb, cc, gg

Monday, 28 November 2016 14:00 (30 minutes)

Presenter: BAI, Yu (Southeast University)

Session Classification: Physics Benchmark Performance

Contribution ID: 7

Type: **not specified**

Higgs->tautau

Monday, 28 November 2016 14:30 (20 minutes)

Presenter: Mrs YU, Dan (LLR)

Session Classification: Physics Benchmark Performance

Contribution ID: 8

Type: **not specified**

Higgs->EXO

Monday, 28 November 2016 14:50 (20 minutes)

Presenter: Mr WANG, Jiawei

Session Classification: Physics Benchmark Performance

Contribution ID: 9

Type: **not specified**

Higgs->EXO_2

Monday, 28 November 2016 15:30 (20 minutes)

Presenter: Mr ZHANG, Chad

Session Classification: Physics Benchmark Performance

Contribution ID: **10**

Type: **not specified**

Higgs->WW

Monday, 28 November 2016 15:50 (30 minutes)

Presenter: LIAO, Libo (HZNU)

Session Classification: Physics Benchmark Performance

Contribution ID: 11

Type: **not specified**

Higgs->ZZ measurement

Monday, 28 November 2016 16:20 (30 minutes)

Presenter: Mr WEI YUQIAN, Yuqian (IHEP)

Session Classification: Physics Benchmark Performance

Contribution ID: 12

Type: **not specified**

Welcome & General Content

Monday, 28 November 2016 09:30 (20 minutes)

Session Classification: Physics Benchmark Performance

Contribution ID: 13

Type: **not specified**

Geometry Toolkit Development and Tracker Digitization

Presenter: FU, Chengdong (IHEP)

Contribution ID: 14

Type: **not specified**

Genfit for the tracking reconstruction

Presenter: Mr ZHANG, Yao (Harbin Institute of Technology)

Contribution ID: 15

Type: **not specified**

Radiation Background

Presenter: Ms JIN, Yanli

Contribution ID: 16

Type: **not specified**

Beam Energy Measurement

Presenter: Dr TANG, Guangyi

Contribution ID: 17

Type: **not specified**

Status and plan for CEPC TPC Study

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

Contribution ID: **18**

Type: **not specified**

Calorimeter Optimisation 1

Contribution ID: **19**

Type: **not specified**

LICH Lepton Identification

Presenter: Mrs YU, Dan (LLR)

Contribution ID: 20

Type: **not specified**

Status of TPC Studies

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

Contribution ID: 21

Type: **not specified**

Photon Reconstruction at H->di tau events at the CEPC

Presenter: Mr ZHANG, Yuxuan

Contribution ID: 22

Type: **not specified**

Tracking Digitisation & Tracking Geometry toolkit

Presenter: FU, Chengdong (IHEP)

Contribution ID: 23

Type: **not specified**

Tracking Discussion

Contribution ID: 24

Type: **not specified**

PFA Discussion

Contribution ID: 25

Type: **not specified**

High Precision Study of Higgs Physics

Wednesday, 30 November 2016 09:30 (40 minutes)

Presenter: LI GEXING

Session Classification: Phenomenology Studies for the CEPC

Contribution ID: 26

Type: **not specified**

Mixed electroweak-QCD corrections to $e^+e^- \rightarrow HZ$ at Higgs factories

Wednesday, 30 November 2016 10:30 (40 minutes)

Presenter: Mr SUN, Qingfeng

Session Classification: Phenomenology Studies for the CEPC

Contribution ID: 27

Type: **not specified**

GenFit & Its implementation to CEPC Tracking

Contribution ID: 28

Type: **not specified**

Tracking Discussion

Contribution ID: 29

Type: **not specified**

Beam Energy Measurement

Tuesday, 29 November 2016 09:00 (30 minutes)

Presenter: Dr TANG, Guangyi

Session Classification: Detector Performance and Reconstruction

Contribution ID: **30**

Type: **not specified**

Radiation Background

Tuesday, 29 November 2016 09:30 (20 minutes)

Presenter: Ms JIN, Yanli

Session Classification: Detector Performance and Reconstruction

Contribution ID: 31

Type: **not specified**

Tracker Simulation Toolkit and Digitisation Module

Tuesday, 29 November 2016 11:20 (30 minutes)

Presenter: FU, Chengdong (IHEP)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 32

Type: **not specified**

Calorimeter Optimisation I

Tuesday, 29 November 2016 10:40 (20 minutes)

Presenter: Mr WANG, shuzheng

Session Classification: Detector Performance and Reconstruction

Contribution ID: 33

Type: **not specified**

Calorimeter Optimisation II

Tuesday, 29 November 2016 09:50 (30 minutes)

Presenter: Mr ZHAO, Hang (IHEP)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 34

Type: **not specified**

Calorimeter Optimisation IV

Tuesday, 29 November 2016 11:00 (20 minutes)

Presenter: Mr ZHU, Xuezheng

Session Classification: Detector Performance and Reconstruction

Contribution ID: 35

Type: **not specified**

TPC Studys & Development

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

Contribution ID: 36

Type: **not specified**

TPC Studies

Tuesday, 29 November 2016 14:00 (30 minutes)

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

Session Classification: Detector Performance and Reconstruction

Contribution ID: 37

Type: **not specified**

Genfit & Its Implementation to CEPC Tracking

Tuesday, 29 November 2016 14:30 (20 minutes)

Session Classification: Detector Performance and Reconstruction

Contribution ID: **38**

Type: **not specified**

Tracking Discussion

Tuesday, 29 November 2016 14:50 (20 minutes)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 39

Type: **not specified**

LICH - PID Development

Tuesday, 29 November 2016 15:30 (30 minutes)

Presenter: Mrs YU, Dan (LLR)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 40

Type: **not specified**

PFA Discussion

Tuesday, 29 November 2016 17:00 (20 minutes)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 41

Type: **not specified**

Photon reconstruction in H->tautau events

Tuesday, 29 November 2016 16:00 (20 minutes)

Presenter: Mr ZHANG, yuxuan

Session Classification: Detector Performance and Reconstruction

Contribution ID: 42

Type: **not specified**

DHCAL Data analysis

Tuesday, 29 November 2016 16:20 (20 minutes)

Presenter: Mr LIU, Bing

Session Classification: Detector Performance and Reconstruction

Contribution ID: 43

Type: **not specified**

Calorimeter & Arbor Studies at SJTU

Tuesday, 29 November 2016 16:40 (20 minutes)

Presenter: Dr HU, Jifeng (Shanghai Jiao Tong University)

Session Classification: Detector Performance and Reconstruction

Contribution ID: 44

Type: **not specified**

Effective field theories in future Higgs factories

Wednesday, 30 November 2016 11:10 (30 minutes)

Presenter: Dr GU, Jiayin (CFHEP, IHEP)

Session Classification: Phenomenology Studies for the CEPC

Contribution ID: 45

Type: **not specified**

Status of MC tools and samples at CEPC

Wednesday, 30 November 2016 09:00 (30 minutes)

Presenter: MO, Xin (IHEP)

Session Classification: Phenomenology Studies for the CEPC

Contribution ID: 46

Type: **not specified**

Break

Wednesday, 30 November 2016 10:10 (20 minutes)

Session Classification: Phenomenology Studies for the CEPC