

The 4th CEPC Physics and Software Workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Wednesday, 27 June 2018 08:40 (10 minutes)

Presenter: Prof. LOU, Xinchou (IHEP)

Session Classification: General introduction

Contribution ID: 1

Type: **not specified**

Higgs physics at circular electron-positron colliders

Wednesday, 27 June 2018 08:50 (40 minutes)

Presenter: QIAN, Jianming (University of Michigan)

Session Classification: General introduction

Contribution ID: 2

Type: **not specified**

Plan and validation of 240 GeV samples

Thursday, 28 June 2018 11:25 (35 minutes)

Presenters: Dr LI, Gang (EPD, IHEP, CAS); Mr ZHAO, Xianghu (IHEP)

Session Classification: CEPC physics

Contribution ID: 3

Type: **not specified**

Simulation and Detector geometry

Wednesday, 27 June 2018 10:20 (30 minutes)

Presenter: FU, Chengdong (IHEP)

Session Classification: General introduction

Contribution ID: 4

Type: **not specified**

Reconstruction Chain of CEPC

Wednesday, 27 June 2018 10:50 (40 minutes)

Presenter: Mr RUAN, Manqi (IHEP)

Session Classification: General introduction

Contribution ID: 5

Type: **not specified**

EW Physics

Wednesday, 27 June 2018 11:30 (30 minutes)

Presenter: Prof. LIANG, Zhijun (IHEP)

Session Classification: General introduction

Contribution ID: 6

Type: **not specified**

Higgs \rightarrow di-photon

Wednesday, 27 June 2018 14:00 (30 minutes)

Presenter: Ms GUO, Fangyi

Session Classification: CEPC physics

Contribution ID: 7

Type: **not specified**

Higgs→ di-muon

Wednesday, 27 June 2018 14:30 (30 minutes)

Presenter: ZHANG ZHAORU

Session Classification: CEPC physics

Contribution ID: 8

Type: **not specified**

Higgs→tau+tau-

Wednesday, 27 June 2018 15:00 (30 minutes)

Presenter: Mrs YU, Dan (LLR)

Session Classification: CEPC physics

Contribution ID: 9

Type: **not specified**

Higgs→invisible

Wednesday, 27 June 2018 16:00 (30 minutes)

Presenter: 荆, 茂强 (南华大学)

Session Classification: CEPC physics

Contribution ID: **10**

Type: **not specified**

Fusion cross section and Higgs Width

Thursday, 28 June 2018 15:15 (25 minutes)

Presenter: LIANG, Hao

Session Classification: CEPC physics

Contribution ID: 11

Type: **not specified**

ZH cross section && Higgs Mass

Presenter: Mrs YU, Dan (LLR)

Contribution ID: 12

Type: **not specified**

Progress of analysis preservation in HEP community

Friday, 29 June 2018 10:05 (25 minutes)

Presenter: ZHAO, Mingrui (C)

Session Classification: Physics & analysis related

Contribution ID: 13

Type: **not specified**

Higgs \rightarrow ZZ^* – semi-leptonic final states

Thursday, 28 June 2018 08:30 (30 minutes)

Presenter: RYUTA KIUCHI

Session Classification: CEPC physics

Contribution ID: 14

Type: **not specified**

Higgs→ WW*/ZZ— pure-leptonic final states

Thursday, 28 June 2018 09:00 (30 minutes)

Presenter: 何, 显科 (Shanghai Jiao Tong University)

Session Classification: CEPC physics

Contribution ID: 15

Type: **not specified**

Higgs→ di-jet (cancel)

Thursday, 28 June 2018 09:30 (30 minutes)

Presenter: BAI, Yu (Southeast University)

Session Classification: CEPC physics

Contribution ID: 16

Type: **not specified**

Higgs \rightarrow WW^*/ZZ^* –hadronic final states

Presenter: PANDUROVIC, Mila (Vinca Institute of Nuclear Sciences)

Contribution ID: 17

Type: **not specified**

CEPC fast simulation and general analysis framework

Thursday, 28 June 2018 10:45 (40 minutes)

Presenter: Dr LI, Gang (EPD, IHEP, CAS)

Session Classification: CEPC physics

Contribution ID: **18**

Type: **not specified**

Higgs combination

Wednesday, 27 June 2018 09:30 (30 minutes)

Presenter: Mr ZHANG, Kaili (IHEP)

Session Classification: General introduction

Contribution ID: 19

Type: **not specified**

Higgs→ WW* — semi-leptonic final states

Thursday, 28 June 2018 14:25 (25 minutes)

Presenter: Mr LI, Tong (Shandong University)

Session Classification: CEPC physics

Contribution ID: 20

Type: **not specified**

W mass –threshold scan,

Wednesday, 27 June 2018 16:30 (20 minutes)

Presenter: SHEN, Peixun (南开大学)

Session Classification: CEPC physics

Contribution ID: 21

Type: **not specified**

W mass –direct reconstruction

Thursday, 28 June 2018 14:00 (25 minutes)

Presenter: Mr LAI, Peizhu (NCU)

Session Classification: CEPC physics

Contribution ID: 22

Type: **not specified**

Rb measurement

Thursday, 28 June 2018 16:00 (30 minutes)

Presenter: Dr LI, BO (YTU)

Session Classification: CEPC physics

Contribution ID: 23

Type: **not specified**

Afb at z pole

Thursday, 28 June 2018 16:30 (30 minutes)

Presenter: Mr LI, Mengran (IHEP)

Session Classification: CEPC physics

Contribution ID: 24

Type: **not specified**

ISR and data-taking strategy for Higgs cross section measurement

Friday, 29 June 2018 09:40 (25 minutes)

Presenter: Ms HAN SHUANG, Shuang (高能所)

Session Classification: Physics & analysis related

Contribution ID: 25

Type: **not specified**

Status of white paper

Friday, 29 June 2018 09:00 (40 minutes)

Presenter: WANG, Liantao (University of Chicago)

Session Classification: Physics & analysis related

Contribution ID: 26

Type: **not specified**

Statistics issues in Higgs measurement

Thursday, 28 June 2018 17:00 (30 minutes)

Presenter: Prof. FANG, Yaquan (高能所)

Session Classification: CEPC physics

Contribution ID: 27

Type: **not specified**

Workshop summary and inspires for discussion

Friday, 29 June 2018 10:50 (20 minutes)

Presenter: QIAN, Jianming (University of Michigan)

Session Classification: Discussion

Contribution ID: 28

Type: **not specified**

Discussion

Friday, 29 June 2018 11:10 (50 minutes)

Presenter: QIAN, Jianming (University of Michigan)

Session Classification: Discussion

Contribution ID: 29

Type: **not specified**

Higgs→ WW*/ZZ* –hadronic final states

Thursday, 28 June 2018 14:50 (25 minutes)

Presenter: PANDUROVIC, Mila (Vinca Institute of Nuclear Sciences)

Session Classification: CEPC physics

Contribution ID: 30

Type: **not specified**

Constrain new physics via HZZ couplings in Higgs production

Thursday, 28 June 2018 10:20 (25 minutes)

Presenter: Mr SHANLY@IHEP.AC.CN, Lianyou (ATLAS)

Session Classification: CEPC physics