

# **CEPC Physics and Detector CDR International Review**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Committee Executive Session

Contribution ID: 1

Type: **not specified**

# Welcome

*Thursday, 13 September 2018 09:00 (5 minutes)*

**Presenter:** Dr QIN, Qing (IHEP)

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **Overview of detector CDR (15'+10')**

*Thursday, 13 September 2018 09:05 (25 minutes)*

**Presenter:** JOAO GUIMARAES COSTA

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## **Ch2: Physics Motivation (30'+20')**

*Thursday, 13 September 2018 09:30 (50 minutes)*

**Presenter:** WANG, Liantao (University of Chicago)

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## **CEPC Experimental Conditions, Physics Requirements and Detector Concepts**

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

Contribution ID: 5

Type: **not specified**

## Vertex

Contribution ID: 6

Type: **not specified**

## Silicon



Contribution ID: 7

Type: **not specified**

**TPC**

Contribution ID: **8**

Type: **not specified**

## **Discussion with CEPC team**

*Thursday, 13 September 2018 16:00 (30 minutes)*

Contribution ID: 9

Type: **not specified**

## **Ch 4.3: Full Silicon (15'+15')**

*Friday, 14 September 2018 09:00 (30 minutes)*

**Presenter:** FU, Chengdong (IHEP)

**Session Classification:** Session 2

Contribution ID: **10**

Type: **not specified**

## **Ch 4.4: Drift Chamber (20'+20')**

*Friday, 14 September 2018 09:30 (40 minutes)*

**Presenter:** GRANCAGNOLO, Francesco (INFN-Lecce)

**Session Classification:** Session 2

Contribution ID: 11

Type: **not specified**

## **Ch 5.3: ECAL (20'+20')**

*Friday, 14 September 2018 10:40 (40 minutes)*

**Presenter:** Dr LIU, Jianbei (University of Science and Technology of China)

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## **Ch 5.4: HCAL (20'+20')**

*Friday, 14 September 2018 11:20 (40 minutes)*

**Presenter:** YANG, Haijun (Shanghai Jiao Tong University)

**Session Classification:** Session 3

Contribution ID: 13

Type: **not specified**

## **Ch 5.5: Dual-Readout (20'+20')**

*Friday, 14 September 2018 13:30 (40 minutes)*

**Presenter:** BEDESCHI, Franco (I)

**Session Classification:** Session 3

Contribution ID: 14

Type: **not specified**

## **Ch 6: Magnet (20'+20')**

*Friday, 14 September 2018 14:10 (40 minutes)*

**Presenter:** Ms ZHAO, Wei (IHEP)

**Session Classification:** Session 4



Contribution ID: 15

Type: **not specified**

## **Ch 7: Muon (25'+20')**

*Friday, 14 September 2018 14:50 (45 minutes)*

**Presenters:** Prof. LI, Liang (Shanghai Jiao Tong University); GIACOMELLI, Paolo (INFN-Bo)

**Session Classification:** Session 4

Contribution ID: 16

Type: **not specified**

## **Ch 8: DAQ (15'+20')**

*Friday, 14 September 2018 15:55 (35 minutes)*

**Presenter:** Mr LI, Fei (IHEP, CAS, China)

**Session Classification:** Session 4

Contribution ID: 17

Type: **not specified**

## Discussion with CEPC team

*Friday, 14 September 2018 16:30 (40 minutes)*

Contribution ID: **18**

Type: **not specified**

**MDI**

Contribution ID: 19

Type: **not specified**

## **Ch 10: Physics performance (20'+20')**

*Saturday, 15 September 2018 09:00 (40 minutes)*

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

**Session Classification:** Session 5

Contribution ID: **20**

Type: **not specified**

## Physics analysis

Contribution ID: **21**

Type: **not specified**

## **Discussion with CEPC team**

*Saturday, 15 September 2018 10:55 (30 minutes)*

Contribution ID: 22

Type: **not specified**

## Summary

*Saturday, 15 September 2018 16:30 (1 hour)*

**Presenter:** Dr VOS, Marcel (IFIC (UVEG/CSIC) Valencia)



Contribution ID: 23

Type: **not specified**

## **Accelerator Overview (20'+15')**

*Thursday, 13 September 2018 10:50 (35 minutes)*

**Presenter:** Dr ZHANG, Yuan (IHEP, Beijing)

**Session Classification:** Session 1

Contribution ID: 24

Type: **not specified**

## **Ch 3: Physics Requirements and PFA Detector Concepts**

*Thursday, 13 September 2018 11:25 (15 minutes)*

**Presenter:** LI GANG ( EPC.IHEP ), Gang (EPD, IHEP, CAS)

**Session Classification:** Session 1

Contribution ID: 25

Type: **not specified**

## Ch 3: Alternative concept: IDEA

*Thursday, 13 September 2018 11:40 (10 minutes)*

**Presenters:** BEDESCHI, Franco (I); BEDESCHI, Franco (I)

**Session Classification:** Session 1

Contribution ID: 26

Type: **not specified**

## **Ch 3: Discussion**

*Thursday, 13 September 2018 11:50 (20 minutes)*

**Session Classification:** Session 1

Contribution ID: 27

Type: **not specified**

## **Ch 9: MDI and beam backgrounds and luminosity (25'+20')**

*Thursday, 13 September 2018 13:30 (45 minutes)*

**Presenters:** Dr ZHU, Hongbo (IHEP); HOU, Suen (SINICA)

**Session Classification:** Session 2

Contribution ID: 28

Type: **not specified**

## **Ch 4.1: Vertex (20'+20')**

*Thursday, 13 September 2018 14:15 (40 minutes)*

**Presenter:** Prof. OUYANG, Qun (IHEP)

**Session Classification:** Session 2

Contribution ID: 29

Type: **not specified**

## **Ch 4.2.1: TPC (20'+20')**

*Thursday, 13 September 2018 14:55 (40 minutes)*

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

**Session Classification:** Session 2

Contribution ID: **30**

Type: **not specified**

## **Ch 4.2.2: Silicon (15'+15')**

*Friday, 14 September 2018 08:30 (30 minutes)*

**Presenters:** Prof. WANG, Meng (Shandong University); WANG, Meng (高能所); 王, 萌 (山东大学)

**Session Classification:** Session 2



Contribution ID: **31**

Type: **not specified**

## Overview-Discussion

Contribution ID: **32**

Type: **not specified**

## **Ch2: Discussion**

Contribution ID: 33

Type: **not specified**

## Accelerator-Discussion

Contribution ID: **34**

Type: **not specified**

## **Ch9: Discussion**

Contribution ID: 35

Type: **not specified**

## Ch 4.1: Discussion

Contribution ID: **36**

Type: **not specified**

## Ch 4.2.1: Discussion

Contribution ID: 37

Type: **not specified**

## Ch 4.2.2: Discussion

Contribution ID: **38**

Type: **not specified**

## **Ch 4.3: Discussion**



Contribution ID: 39

Type: **not specified**

## Ch 4.4: Discussion

Contribution ID: 40

Type: **not specified**

## Ch 5.3 Discussion

Contribution ID: 41

Type: **not specified**

## Ch 5.4: Discussion

Contribution ID: 42

Type: **not specified**

## Ch 5.5 Discussion

Contribution ID: 43

Type: **not specified**

## Ch 6: Discussion

Contribution ID: 44

Type: **not specified**

## Ch 7: Discussion

Contribution ID: 45

Type: **not specified**

## Ch 8: Discussion

Contribution ID: 46

Type: **not specified**

## Ch 10: Discussion



Contribution ID: 47

Type: **not specified**

## **Ch 11: Physics Analysis (25'+20')**

*Saturday, 15 September 2018 09:40 (45 minutes)*

**Presenters:** QIAN, Jianming (University of Michigan); Prof. FANG YAQUAN, Yaquan (IHEP); Prof. LIANG, Zhijun (IHEP)

**Session Classification:** Session 5

Contribution ID: 48

Type: **not specified**

## Ch 11: Discussion