

# The 2nd CEPC International Accelerator Review Committee Meeting in 2021

Monday, 11 October 2021 – Wednesday, 20 October 2021

## Scientific Programme

Oct 11th 2021

EU time

Beijing time

Talk time

Speaker

Title

Talk n.

9:00

15:00

15'

IARC members

Closed session

9:15

15:15

25'+5'

Jie Gao

CEPC accelerator TDR status overview

1

9:45

15:45

25'+5'

Yiwei Wang

CEPC collider ring lattice & error study for the high luminosity

2

10:15

16:15

25'+5'

Dou Wang

CEPC booster and damping ring update

3

10:45

16:45

25'+5'

Chuntao Lin

Analysis of coherent beam-beam instability with longitudinal impedance

4

11:15

17:15

25'+5'

Yanfeng Sui

CEPC instrumentation update, BPM etc.

5

11:45

17:45

25'+5'

Mei Yang

Progress on the normal conducting magnets for CEPC

6

12:15

18:15

30'

IARC members

Closed session

12:45

18:45

IARC Adjourn

Oct 12th 2021

9:00

15:00

25'+5'

Zhe Duan

Investigation on the CEPC polarization

7

9:30

15:30

25'+5'

Na Wang

Collective instabilities in collider, booster and damping rings with the high luminosity parameters

8

10:00

16:00

25'+5'

Sha Bai

MDI Studies for CEPC

9

10:30

16:30

25'+5'

Haijing Wang

CEPC mechanical systems and MDI pipes and supporting structure

10

11:00

17:00

25'+5'

Rui Ge

Energy consumption and optimization for the CEPC cryogenic system

11

11:30

17:30

25'+5'

Zusheng Zhou

Progress on the 650MHz high efficiency klystron

12

12:00

18:00

30'

IARC members

Closed session

12:30

18:30

IARC Adjourn

Oct 13th 2021

9:00

15:00

25'+5'

Dazhang Li

CEPC plasma injection update

13

9:30

15:30

25'+5'

Jiyuan Zhai

CEPC SRF system progress on cavities, modules, etc.

14

10:00

16:00

25'+5'

Jinshu Huang

CEPC civil engineering and auxiliary facility

15

10:30

16:30

25'+5'

Xiaolong Wang

Installation, alignment technologies

16

11:00

17:00

25'+5'

Jingru Zhang

Start to end simulations for the Linac new baseline and progress on the crucial components

17

11:30

17:30

Xiaohao Cui

Timing, strategies/philosophy of the injection/extraction

18

12:00

18:00

30'

IARC members

Closed session

12:30

18:30

IARC Adjourn

Oct 14th 2021

9:00

15:00

25'+5'

Jinhui Chen

Hardware preparation/requirement for the CEPC injection/extraction

19

9:30

15:30

25'+5'

Bin Chen

Prototype properties of the electromagnet separators and power source

20

10:00

16:00

25'+5'

Gang Li

Challenges to the CEPC control system and possible international collaborations

21

10:30

16:30

25'+5'

Qingjin Xu

Superconducting magnets for CEPC

22

11:00

17:00

25'+5'

Guangyi Tang

Electron dump system and safety issues

23

11:30

17:30  
30'  
IARC members  
Closed session

12:00  
18:00

IARC Adjourn

Oct 20th 2021  
9:00  
15:00  
180'  
IARC members  
Closed session for final redaction

12:00  
18:00  
60'  
ALL  
Report presentation

13:00  
19:00



End