

# The 1st CEPC International Accelerator Review Committee Meeting in 2022

Tuesday, 7 June 2022 - Friday, 17 June 2022

## Scientific Programme

June 7th 2022

EU time

Beijing time

Talk time

Speaker

Title

Talk n.

Tuesday

9:00

15:00

15'

IARC members

Closed session

9:15

15:15

25'+5'

Jie Gao

Overview of CEPC R&D status for TDR

1

9:45

15:45

25'+5'

Yiwei Wang

The lattice and dynamic aperture optimization for collider

2

10:15

16:15

25'+5'

Dou Wang

Boost lattice and error study

3

10:45

16:45

15'

Break

11:00

17:00

25'+5'

Yuan Zhang  
Impact of Beam-beam effect in CEPC  
4

11:30  
17:30  
25'+5'  
Jiyuan Zhai  
Superconducting RF cavity development for the collider and booster  
5

12:00  
18:00  
25'+5'  
Mei Yang  
Normal conducting magnets for booster and collider  
6

12:30  
18:30

Adjourn

June 8th 2022  
9:00  
15:00  
15'  
IARC members  
Closed session

Wednesday

9:15

15:15

25'+5'

Jinhui Chen

Pulse generator, septum and kicker for injection and extraction

7

9:45

15:45

25'+5'

Jinru Zhang

Linac key technology and its prospect

8

10:15

16:15

25'+5'

Zusheng Zhou

P-band and C-band RF power sources progress

9

10:45

16:45

15'

Break

11:00

17:00

25'+5'

Sha Bai

MDI study upgrade

10

11:30  
17:30  
25' +5'

Na Wang

Collective instability and countermeasures to collider, booster and damping

11

12:00  
18:00  
25' +5'  
Xiaohao Cui

Timing and bunch pattern for different operation energies and the relevant transporting beam line

12

12:30  
18:30

Adjourn

June 9th 2022

9:00

15:00

15'

IARC members

Closed session

Thurthday

9:15

15:15

25'+5'

Qingjin Xu

High magnet field with high temperature superconducting technology

13

9:45

15:45

25'+5'

Rui Ge

Cryogenic System for CEPC

14

10:15

16:15

25'+5'

Yanfeng Sui

Instrumentation and beam diagnostics

15

10:45  
16:45  
15'  
Break

11:00  
17:00  
25'+5'  
Haijing Wang  
Mechanical system and MDI pipes, collimator and supporting structure  
16

11:30  
17:30  
25'+5'  
Yongsheng Ma  
Vacuum system and the NEG coating to the narrow chamber  
17

12:00  
18:00  
25'+5'  
Zhe Duan  
Polarization study for CEPC  
18

12:30  
18:30

Adjourn

June 10th 2022

9:00

15:00

15'

IARC members

Closed session

Friday

9:15

15:15

25'+5'

Dazhang Li

Road map for the plasma acceleration technology at CEPC

19

9:45

15:45

25'+5'

Bin Chen

Power source and electrostatic deflector

20

10:15

16:15

25'+5'

Gang Li

Control system outlook

21

10:45

16:45

15'

Break

11:00

17:00

25'+5'

Guangyi Tang



Machine protection and beam dumps  
22

11:30  
17:30  
25'+5'  
Xiaolong Wang  
Alignment R&D and installation strategy  
23

12:00  
18:00  
25'+5'  
Xiao Yu  
Infrastructure and Auxiliary Facility  
24

12:30  
18:30

Adjourn

June \*\* 2022  
9:00  
15:00  
30'  
ALL  
Discussions, additional Q&A

9:30

15:30

150'

IARC members

Closed session for document redaction

12:00

18:00

60'

ALL

Report presentation

13:00

19:00

Adjourn