

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

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Closed session (15')**

*Monday, 11 October 2021 15:00 (15 minutes)*

**Session Classification:** IARC talk session 1

Contribution ID: 1

Type: **not specified**

## **CEPC accelerator TDR status overview (25'+5')**

*Monday, 11 October 2021 15:15 (30 minutes)*

**Presenter:** Prof. 高杰, Jie (高能所)

**Session Classification:** IARC talk session 1

Contribution ID: 2

Type: **not specified**

## **CEPC collider ring lattice & error study for the high luminosity (25'+5')**

*Monday, 11 October 2021 15:45 (30 minutes)*

**Presenter:** Dr WANG, Yiwei (IHEP)

**Session Classification:** IARC talk session 1

Contribution ID: 3

Type: **not specified**

## **CEPC booster and damping ring update (25'+5')**

*Monday, 11 October 2021 16:45 (30 minutes)*

**Presenter:** Dr WANG, Dou (IHEP)

**Session Classification:** IARC talk session 1

Contribution ID: 4

Type: **not specified**

## **Analysis of coherent beam-beam instability with longitudinal impedance (25'+5')**

*Monday, 11 October 2021 16:15 (30 minutes)*

**Presenter:** 林椿涛

**Session Classification:** IARC talk session 1

Contribution ID: 5

Type: **not specified**

## **CEPC instrumentation update, BPM etc. (25'+5')**

*Monday, 11 October 2021 17:15 (30 minutes)*

**Presenter:** Dr SUI, Yanfeng (高能所)

**Session Classification:** IARC talk session 1

Contribution ID: 6

Type: **not specified**

## **Progress on the normal conducting magnets for CEPC (25'+5')**

*Monday, 11 October 2021 17:45 (30 minutes)*

**Presenter:** 杨梅

**Session Classification:** IARC talk session 1



Contribution ID: 7

Type: **not specified**

## **Closed session (30')**

Contribution ID: 8

Type: **not specified**

## **Closed session (15')**

Contribution ID: 9

Type: **not specified**

## **Collective instabilities in collider, booster and damping rings with the high luminosity parameters (25'+5')**

*Tuesday, 12 October 2021 15:30 (30 minutes)*

**Presenter:** Ms WANG NA, Na (高能所)

**Session Classification:** IARC talk session 2

Contribution ID: **10**

Type: **not specified**

## **MDI Studies for CEPC (25'+5')**

*Tuesday, 12 October 2021 16:00 (30 minutes)*

**Presenter:** Dr BAI, Sha (高能所)

**Session Classification:** IARC talk session 2

Contribution ID: 11

Type: **not specified**

## **CEPC SRF system progress on cavities, modules, etc. (25'+5')**

*Wednesday, 13 October 2021 15:30 (30 minutes)*

**Presenter:** Mr ZHAI, Jiyuan (IHEP)

**Session Classification:** IARC talk session 3

Contribution ID: 12

Type: **not specified**

## **The design consideration and optimization for the CEPC cryogenic system (25'+5')**

*Tuesday, 12 October 2021 17:00 (30 minutes)*

**Presenter:** Mr 葛锐, Rui (IHEP)

**Session Classification:** IARC talk session 2

Contribution ID: 13

Type: **not specified**

## **CEPC mechanical systems and MDI pipes and supporting structure (25'+5')**

*Tuesday, 12 October 2021 16:30 (30 minutes)*

**Presenter:** 王海静 (高能所)

**Session Classification:** IARC talk session 2

Contribution ID: 14

Type: **not specified**

## Investigation on the CEPC polarization (25'+5')

*Tuesday, 12 October 2021 15:00 (30 minutes)*

**Presenter:** Dr DUAN, Zhe (高能所)

**Session Classification:** IARC talk session 2



Contribution ID: 15

Type: **not specified**

## **Closed session (30')**

*Tuesday, 12 October 2021 18:00 (30 minutes)*

**Presenter:** IARC MEMBERS

**Session Classification:** IARC talk session 2

Contribution ID: **16**

Type: **not specified**

## **Closed session (15')**

Contribution ID: 17

Type: **not specified**

## **Closed session (15')**

Contribution ID: **18**

Type: **not specified**

## **Hardware preparation/requirement for the CEPC injection/extraction (25'+5')**

*Thursday, 14 October 2021 15:00 (30 minutes)*

**Presenter:** Dr CHEN, Jinhui (Institute of High Energy Physics)

**Session Classification:** IARC talk session 4

Contribution ID: 19

Type: **not specified**

## Timing, strategies/philosophy of the injection/extraction (25'+5')

*Wednesday, 13 October 2021 17:00 (30 minutes)*

**Presenter:** Mr 崔小昊, Xiaohao (Accelerator Center)

**Session Classification:** IARC talk session 3

Contribution ID: 20

Type: **not specified**

## **CEPC plasma injection update (25'+5')**

*Wednesday, 13 October 2021 15:00 (30 minutes)*

**Presenter:** Dr LI, Dazhang (IHEP)

**Session Classification:** IARC talk session 3

Contribution ID: 21

Type: **not specified**

## **Prototype properties of the electromagnet separators and power source (25'+5')**

*Thursday, 14 October 2021 15:30 (30 minutes)*

**Presenter:** Mr 陈斌, bin (高能所)

**Session Classification:** IARC talk session 4

Contribution ID: 22

Type: **not specified**

## **Start to end simulations for the Linac new baseline and progress on the crucial components (25'+5')**

*Wednesday, 13 October 2021 16:30 (30 minutes)*

**Presenter:** Ms 张, 敬如 (高能所)

**Session Classification:** IARC talk session 3



Contribution ID: 23

Type: **not specified**

## **Progress on the 650MHz high efficiency klystron (25'+5')**

*Tuesday, 12 October 2021 17:30 (30 minutes)*

**Presenter:** Dr ZHOU, Zusheng (IHEP)

**Session Classification:** IARC talk session 2

Contribution ID: 24

Type: **not specified**

## **Closed session (30')**

*Wednesday, 13 October 2021 17:30 (30 minutes)*

**Presenter:** IARC MEMBERS

**Session Classification:** IARC talk session 3

Contribution ID: 25

Type: **not specified**

## **Progress of the High Field Magnet R&D for CEPC-SPPC (25'+5')**

*Thursday, 14 October 2021 16:30 (30 minutes)*

**Presenter:** Dr XU, Qingjin (高能所)

**Session Classification:** IARC talk session 4

Contribution ID: 26

Type: **not specified**

## **Canceled Talk: CEPC civil engineering and auxiliary facility (25'+5')**

*Wednesday, 13 October 2021 18:00 (20 minutes)*

**Presenter:** 黄金书

**Session Classification:** IARC talk session 3

Contribution ID: 27

Type: **not specified**

## **Installation, alignment technologies (25'+5')**

*Wednesday, 13 October 2021 16:00 (30 minutes)*

**Presenter:** Mr WANG, Xiaolong (高能所)

**Session Classification:** IARC talk session 3

Contribution ID: 28

Type: **not specified**

## **electron dump system and safety issues (25'+5')**

*Thursday, 14 October 2021 17:00 (30 minutes)*

**Presenter:** Mr TANG, Guangyi (IHEP)

**Session Classification:** IARC talk session 4

Contribution ID: 29

Type: **not specified**

## **Brief discussions, Summary for all talks (30')**

Contribution ID: **30**

Type: **not specified**

## **Closed session (30')**

*Thursday, 14 October 2021 17:30 (30 minutes)*

**Presenter:** IARC MEMBERS

**Session Classification:** IARC talk session 4



Contribution ID: 31

Type: **not specified**

## **Challenges to the CEPC control system and possible international collaborations (25'+5')**

*Thursday, 14 October 2021 16:00 (30 minutes)*

**Presenter:** Mr 李刚, gang (高能所)

**Session Classification:** IARC talk session 4

Contribution ID: 32

Type: **not specified**

## **Discussions, additional Q&A (30')**

Contribution ID: 33

Type: **not specified**

## **Closed session for document redaction (150')**

Contribution ID: **34**

Type: **not specified**

## **Report presentation (60')**

Contribution ID: 35

Type: **not specified**

## **Closed session for final redaction (180’)**

*Wednesday, 20 October 2021 15:00 (3 hours)*

**Primary author:** IARC MEMBERS

**Presenter:** IARC MEMBERS

**Session Classification:** IARC Report

Contribution ID: 36

Type: **not specified**

## Report presentation (60')

*Wednesday, 20 October 2021 18:00 (1 hour)*

**Primary author:** ALL

**Presenter:** ALL

**Session Classification:** IARC Report

Contribution ID: 37

Type: **not specified**

**End**

*Wednesday, 20 October 2021 19:00 (10 minutes)*

**Session Classification:** IARC Report

Contribution ID: **38**

Type: **not specified**

## Closed Session

*Monday, 11 October 2021 18:15 (30 minutes)*

**Presenter:** IARC MEMEBERS

**Session Classification:** IARC talk session 1