



# The 2023 International Workshop on the High Energy Circular Electron Positron Collider

Monday, 23 October 2023

Accelerator: 1 - CEPC Room 3 (14:00 - 15:30)

-Conveners: Yuhui Li

time	[id]	title	presenter
14:00	[183]	CEPC accelerator from TDR to EDR	GAO, Jie
14:20	[184]	Status of Super KEK B	TOBIYAMA, Makoto
14:40	[185]	Plan for development of circular colliders with Crab Waist at BINP	BOGOMYAGKOV, Anton
15:00	[186]	CEPC collider lattice design	WANG, Yiwei

Accelerator: 2 - CEPC Room 3 (16:00 - 18:00)

-Conveners: Anton Bogomyagkov

time	[id]	title	presenter
16:00	[187]	Orbit correction and error analysis	WANG, Bin
16:20	[188]	Beam-beam simulations for CEPC all energy modes and impedance effects	ZHANG, Yuan
16:40	[189]	Status of the FCC-ee optics tuning studies	TOMAS GARCIA, Rogelio
17:00	[190]	Collective effects	Prof. M. MIGLIORATI
17:20	[191]	Collective effects studies in CEPC	WANG, Na
17:40	[192]	CEPC Booster and damping ring	WANG, Dou

**Tuesday, 24 October 2023****Accelerator: 3** - CEPC Room 3 (09:00 - 10:40)

-Conveners: Garam Hahn

time	[id] title	presenter
09:00	[193] CEPC transport lines, and timing	XIAOHAO CUI
09:20	[194] CEPC magnets design and R&D status in collider ring	Mrs MEI YANG
09:40	[195] CEPC magnets design and R&D status in booster ring	Prof. WEN KANG
10:00	[196] CEPC injection delay-line kicker magnet R&D	WU, Guanjian
10:20	[197] Magnets power sources and electro-magnetic separators study status for CEPC	BIN CHEN

**Accelerator: 4** - CEPC Room 3 (11:00 - 12:30)

-Conveners: Carlo Pagani

time	[id] title	presenter
11:00	[198] Accelerator activities in PAL	GARAM HAHN
11:20	[199] CEPC Linac injector design status	MENG, Cai
11:40	[200] CEPC vacuum system design and R&D status	MA, Yongsheng
12:00	[201] SC Quadrupoles design and R&D status for CEPC	YINGSHUN ZHU

**Accelerator: 5** - CEPC Room 3 (14:00 - 15:30)

-Conveners: Carlo Pagani

time	[id] title	presenter
14:00	[202] Accelerator activities at IJCLab	ANGELES FAUS-GOLFE
14:20	[203] Preliminary research of energy recovery scheme for high efficiency klystron	LI, Fei
14:40	[204] Highlights of HG2023	DAVID ALESINI
15:00	[205] CEPC Linac injector R&D status	JINGRU ZHANG

**Accelerator: 6** - CEPC Room 3 (16:00 - 18:00)

-Conveners: Maria Enrica Biagini

time	[id] title	presenter
16:00	[206] Historical view and perspective for SRF applications	PAGANI, Carlo
16:20	[207] Highlights of SRF2023	KAKO, Eiji
16:40	[208] CEPC SRF system design and R&D progress	ZHAI, Jiyuan PENG SHA
17:00	[209] SRF system options for FCC-ee	FRANCK PEAugER
17:20	[210] CERN HE klystron status	NISA, ZAIB UN NISA ZAIB
17:40	[211] CEPC Cryogenic system design and R&D	MEI LI

## Wednesday, 25 October 2023

### Accelerator: 7 - CEPC Room 3 (09:00 - 10:40)

-Conveners: Makoto Tobiyama

time	[id]	title	presenter
09:00	[212]	Accelerator activities in Beijing University	Prof. XUEQING YAN
09:20	[213]	CEPC Instrumentation development status	HE, Jun
09:40	[214]	CEPC Feedback systems studies	Prof. JUNHUI YUE
10:00	[215]	Klystrons and RF power sources distributions	ZHOU, Zusheng
10:20	[216]	Monochromatisation optics for FCC-ee lattices	ZHANG, ZHANDONG

### Accelerator: 8 - CEPC Room 3 (11:00 - 12:30)

-Conveners: Xueqing Yan

time	[id]	title	presenter
11:00	[217]	CEPC mechanical system and supports design status	HAIJING WANG
11:20	[218]	CEPC control system design and studies	GANG LI
11:40	[219]	CEPC SR and FEL application study status	Prof. LI, Yuhui
12:00	[220]	Researches of High Q Superconducting Cavities at Peking University	HAO, Jiankui

# Thursday, 26 October 2023

Accelerator: 9 - CEPC Room 3 (09:00 - 10:40)

-Conveners: Jie GAO

time	[id] title	presenter
09:00	[221] Outlook for future plasma accelerator development	Prof. WEI LU
09:20	[222] A Hybrid Asymmetric Linear Higgs Factory (HALHF)	FOSTER, Brian
09:40	[223] Injection and single stage accelerator of 100 GeV positron beam in plasma wake-field	JINQING YU
10:00	[224] CEPC plasma injector study status and test facility plan	LI, Dazhang
10:20	[225] Plasma accelerator physics issues	ZENG, Ming

Accelerator: 10 - CEPC Room 3 (11:00 - 12:30)

-Conveners: Yuhui Li

time	[id] title	presenter
11:00	[226] Radiation, protection and dump system issue studies in CEPC	TANG, Guangyi
11:20	[227] CEPC machine protection and beam abort system	WANG, Yuting
11:40	[228] Alignment and installation logistics	WANG, Xiaolong
12:00	[229] High-Precision Measurement Method of Accelerator Tunnel Control Network Based on Total Station Angle Observation	YUBO XING

# Friday, 27 October 2023

## Accelerator: 11 - CEPC Room 3 (09:00 - 10:40)

-Conveners: Wei Lu

time	[id]	title	presenter
09:00	[230]	Accelerator activities in Tsinghua University	YINGCHAO DU
09:20	[231]	SppC general design status	Prof. TANG, Jingyu
09:40	[232]	SppC Lattice design	XU, Haocheng
10:00	[233]	SC high field magnets and international collaborations	XU, Qingjin
10:20	[234]	CEPC Polarization design status	DUAN, Zhe

## Accelerator: 12 - CEPC Room 3 (11:00 - 12:30)

-Conveners: Jie GAO

time	[id]	title	presenter
11:00	[235]	CEPC siting and civil construction preparation	YU XIAO
11:20	[236]	CEPC siting and civil construction preparation	KE HUANG
11:40	[237]	CEPC siting and civil construction preparation	ZHIJI LI
12:00	[238]	Highlights of EAJADE workshop on Sustainability in Future Accelerators	TITOV, Maxim