

International Workshop on The High Energy Circular Electron Positron Collider

October 23 - 27, 2024, Hangzhou, China

The purpose of this international workshop is to convene a global community of scientists to explore the physical potential of the Circular Electron Positron Collider (CEPC). The event aims to foster international collaboration in optimizing accelerators and detectors, as well as to intensify research and development (R&D) efforts in key technologies. Additionally, the workshop will delve into the exploration of industrial partnerships, focusing on the R&D of technologies and preparation for their industrialization.

Scientific Program Committee

Franco Bedeschi	INFN/Pisa	Jianbei Liu	USTC
Nicole Bell	U. Melbourne	Tao Liu	HKUST
Maria Enrica Biagini	INFN/Frascati	Zhen Liu	U. Minnesota
Daniela Bortoletto	U. Oxford	Wei Lu	IHEP
Shikma Bressler	WIS	Bruce Mellado	U. Wits, iThemba LABS
Philip Burrows	U. Oxford	Carlo Pagani	INFN/Milano
Joao Guimaraes da Costa	IHEP	Michael Ramsey-Musolf	TDLI/UMass
Marco Drewes	UCLouvain	Matthias Schott	JGU
Angeles Faus-Golfe	UCLab/Orsay	Maksym Titov	CEA
Jie Gao	IHEP	Makoto Tobiyama	KEK
Paolo Giacomelli	INFN/Bologna	Yoshinobu Unno	KEK
Sebastian Grinstein	IFAE	Pierre Vedrine	CEA
Garam Hahn	POSTECH	Alessandro Vicini	INFN/Milano
Xiaogang He	TDLI, SJTU	Liantao Wang	U. Chicago
Sven Heinemeyer	IFT/CSIC	Xueqing Yan	PKU
Wenhui Huang	THU	Haijun Yang	SJTU, TDLI
Hassan Jawahery	U. Maryland	Jingbo Ye	IHEP
Eiji Kako	KEK	Hwidong Yoo	Yonsei Univ.
Imad Laktineh	IP2I/Lyon	Frank Zimmermann	CERN
Eugene Levichev	BINP		

Local Organizing Committee

Kai Chen	CCNU	Xiaolong Wang	FDU
Gang Li	IHEP	Yusheng Wu	USTC
Hengne Li	SCNU	Meng Xiao	ZJU
Peilian Li	UCAS	Lilin Yang	ZJU
Shu Li	TDLI/SJTU	Ye Yuan	ZJU
Yuhui Li	IHEP	Lei Zhang	NJU
Manqi Ruan	IHEP	Liming Zhang	THU
Xiaohu Sun	PKU	Qidong Zhou	SDU
Kai Wang	ZJU	Hongbo Zhu (chair)	ZJU

Secretaries

Jielin Gao Yaru Wu Hongjuan Xu Na Zhou

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CEPC 2024

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2024.10.23-27, Hangzhou, China

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mailto: cepcws2024@ihep.ac.cn

Co-chairs: Hongbo Zhu, Jianchun Wang, Miao He



Session Arrangement



	Wednesday 23rd	Thursday 24th	Friday 25th	Saturday 26th	Sunday 27th
9:00-10:30	Plenary	EW & tt Calorimetry Accelerator CIPC	Higgs Gas Det Accelerator MDI	QCD Electronics accelerator Software	Excursions Satellite Meetings
10:30-11:00	Coffee break	Coffee break	Coffee break	Coffee break	
11:00-12:30	Plenary	EW & tt SiDet Accelerator CIPC	Flavor Gas Det Accelerator Int'l Industr	QCD Electronics accelerator Software	
12:30-14:00	Lunch break	Lunch break	Lunch break	Lunch break	
14:00-15:30	BSM Calorimetry Accelerator CIPC	EW & tt SiDet Accelerator TDAQ	Flavor PID & Misc MDI + Acce Int'l Industr	Plenary	
15:30-16:00	Coffee break	Coffee break	Coffee break	Coffee break	
16:00-18:00	BSM Calorimetry Accelerator CIPC	Higgs SiDet Accelerator TDAQ	Flavor PID & Misc MDI + Accel. SiDet + Electr.	Plenary	
				Posters will be displayed during the coffee and lunch breaks	
	Reception 18:30 - 21:00	Public lecture 19:00-21:00	Banquet 18:30 - 21:00		



❖ Participants:

- 446 registrants including 71 from institutes abroad
- Most online attendances did not register

❖ Contributions:

- Plenary talks 14 + 2 (public lectures)
- Parallel talks 273
- Posters 47
- Exhibitions 17

❖ Abstracts (119)

- Accelerator 19
- Industrial corridor 1
- Physics 16
- Detector 83



Domain Chairs

Accelerator	Maria Enrica Biagini	INFN/Frascati	Theory	Zhen Liu	U.Minnesota
	Philip Burrows	U.Oxford		Michael Ramsey-Musolf	TDLI, UMass
	Angeles Faus-Golfe	IJCLab/Orsay		Alessandro Vicini	INFN/Milano
	Jie Gao	IHEP		Liantao Wang	U.Chicago
	Garam Hahn	POSTECH	Exper Physics	Franco Bedeschi	INFN/Pisa
	Wenhui Huang	THU		Daniela Bortoletto	U.Oxford
	Eiji Kako	KEK		Shikma Bressler	WIS
	Eugene Levinchev	BINP		Joao Guimaraes da Costa	IHEP
	Wei Lu	IHEP		Paolo Giacomelli	INFN/Bologna
	Carlo Pagani	INFN/Milano		Sebastian Grinstein	IFAE
	Makoto Tobiyama	KEK		Hassan Jawahery	U.Maryland
	Pierre Vedrine	CEA		Imad Laktineh	IP2I/Lyon
	Xueqing Yan	PKU		Jianbei Liu	USTC
	Frank Zimmermann	CERN		Bruce Mellado	U.Wits, iThemba LABS
Theory	Nicole Bell	U.Melbourne		Matthias Schott	JGU
	Marco Drewes	UCLouvain		Maksym Titov	CEA
	Xiaogang He	TDLI, SJTU		Yoshinobu Unno	KEK
	Sven Heinemeyer	IFT/CSIC		Haijun Yang	SJTU, TDLI
	Tao Liu	HKUST		Jingbo Ye	IHEP
				Hwidong Yoo	Yonsei Univ.



	Sessions	Blk	Conveners
1	Accelerator	10	Maria Enrica Biagini(INFN/Frascati), Philip Burrows(Oxford), Jie Gao(IHEP), Eugene Levinchev(BINP), Frank Zimmermann(CERN)
2			Angeles Faus-Golfe(IJCLab/Orsay), Garam Hahn(POSTECH), Eiji Kako(KEK), Makoto Tobiyama(KEK), Carlo Pagani(INFN/Milano)
3			Wenhui Huang(THU), Wei Lu(THU), Pierre Vedrine(CEA), Xueqing Yan(PKU)
4	Industrial Corridor	4	Jie Gao(IHEP), Jinling Gao(Fuhai Cryo), Song Jin(IHEP), Yaru Wu(IHEP)
5		3	Song Jin(IHEP), Wei Wei(IHEP), Jie Zhang(IHEP), Hongbo Zhu(ZJU)
6	Physics	2	Mingshui Chen(IHEP), Sven Heinemeyer (IFT/CSIC), Yahya Tayalati(UM5), Kei Yagyu(Osaka U.)
7		3	Jiayin Gu(FDU), Xiaohu Sun(PKU), Alessandro Vicini(INFN/Milano)
8		3	Lorenzo Calibbi(NKU), Ulrik Egede(Monash U), Kai Yi(NJNU), Changzhen Yuan(IHEP)
9		2	Manqi Ruan(IHEP), Huasheng Shao(LPTHE), Liantao Wang(U.Chicago), Huaxing Zhu(ZJU)
10		2	Francisco Arco(KIT), Zhen Liu(U. Minnesota), Minho Son(KAIST), Xuai Zhuang(IHEP)
11	Detector +	3	Sha Bai(IHEP), Ivanka Bozovic(VINCA), Suen Hou(IPAS), Quan Ji(IHEP), Hiroyuki Nakayama(KEK), Haoyu Shi(IHEP)
12		3	Christine Hu-Guo(IPHC), Zhijun Liang(IHEP), Xiangming Sun(CCNU)
13		3	Roberto Ferrari(INFN/Pavia), Yong Liu(IHEP), Gobinda Majumder(TIFR), Zhenwei Yang(PKU), Hwidong Yoo(Yonsei U.)
14		2	Imad Laktineh(IPNL), Xiaomei Li(CIAE), Huirong Qi(IHEP)
15		2	Sajan Easo(RAL), Shohei Nishida(KEK), Sen Qian(IHEP), Xiaolong Wang(FDU)
16		2	Zhi Deng(THU), Davide Falchieri(INFN/Bologna), Mitch Newcomer(U.Penn), Jingbo Ye(IHEP)
17		2	Kai Chen(CCNU), Fei Li(IHEP), Qidong Zhou(SDU)
18		2	Frank Gaede(DESY), Xingtao Huang(SDU), Weidong Li(IHEP), Andreas Salzburger(CERN)
19	Posters		Hai Chen(ZJU), Xuan Chen(SDU), Miao He(IHEP), Tao Lin(IHEP), Dou Wang(IHEP), Xuhao Yuan(IHEP)



Local Organizing Committee			
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Manqi Ruan	IHEP	Liming Zhang	THU
Xiaohu Sun	PKU	Qidong Zhou	SDU
Kai Wang	ZJU	Hongbo Zhu (chair)	ZJU
Workshop Secretaries			
Jielin Gao	Yaru Wu	Hongjuan Xu	Na Zhou

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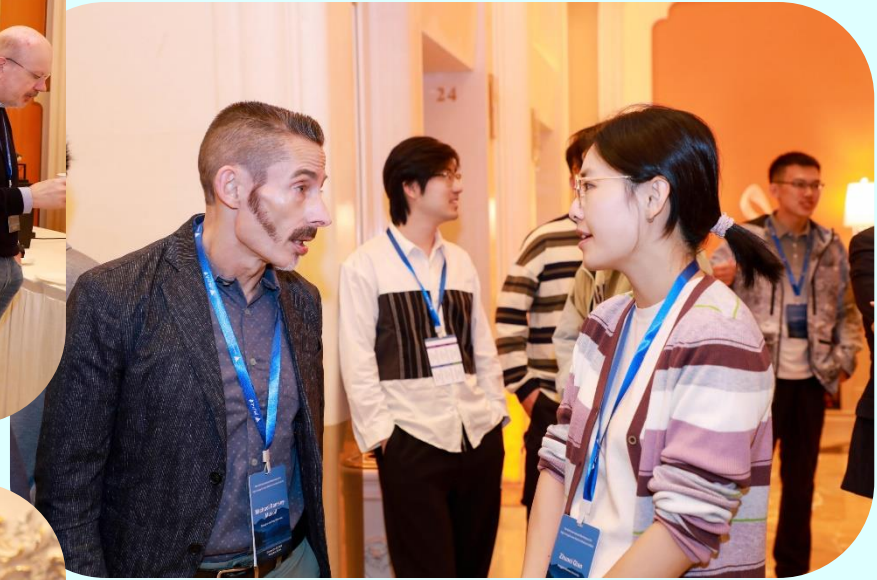
**Many thanks to our Host – Zhejiang University
and our great Local Support Team**













CEPC

THE 2024 INTERNATIONAL WORKSHOP ON THE HIGH ENERGY
CIRCULAR ELECTRON POSITRON COLLIDER
WELCOME TO HANGZHOU





Thank you all for participating
and making this workshop fruitful !
Have a safe trip to your loved ones !
Hope to see you at the next workshop !