CEPC 2026

The 2026 International Workshop on the
High Energy Circular Electron Positron Collider

October 22-26, 2026 | Shanghai, China

Scientific Program Committee

Franco Bedeschi	INFN/Pisa	Wei Lu	IHEP
Nicole Bell	U. Melbourne	Bruce Mellado	IHEP
Maria Enrica Biagini	INFN/Frascati	Carlo Pagani	INFN/Milano
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Shikma Bressler	WIS	Seunghwan Shin	KBSI
Philip Burrows	U. Oxford	Steinar Stapnes	CERN
Yeonsei Chung	IBS	Maksym Titov	IRFU, CEA Saclay
Joao Guimaraes da Costa	IHEP	Makoto Tobiyama	KEK
Marco Drewes	UCLouvain	Yoshinobu Unno	KEK
Alexey Drutskoy	LPI	Alessandro Vicini	U. Milano
Angeles Faus-Golfe	IJCLab/Orsay	Liantao Wang	U. Chicago
Nicola de Filippis	INFN/Bari	Xueqing Yan	PKU
Jie Gao	IHEP	Haijun Yang	SJTU, TDLI
Paolo Giacomelli	INFN/Bologna	Jingbo Ye	IHEP
Xiaogang He	TDLI, SJTU	Hwidong Yoo	Yonsei U.
Sven Heinemeyer	IFT/CSIC	Frank Zimmermann	CERN
Wenhui Huang	THU		
Peter Krizan	JSI, U. Ljubljana		
Jianbei Liu	USTC		
Tao Liu	HKUST		
Zhen Liu	U. Minnesota		

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Junhao Yin	NKU
Jiesheng Yu	HNU
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Liming Zhang	THU
Yanxi Zhang	PKU
Hongbo Zhu	ZJU

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Jiayin Gu, Miao He, Jianchun Wang, Xiaolong Wang, Junfeng Chen

Co-chairs of the CEPC2026 workshop

Full Scientific Program

	Thursday 22nd	Friday 23rd	Saturday 24th	Sunday 25th	Monday 26th
9:00-10:30	Plenary	Higgs / SiDet / Accelerator / Industry	BSM / Integration / Accelerator / Offline	EW & tt / Gas Det / Accelerator / PID	EW & tt / TDAQ / Accelerator / PID
10:30-11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00-12:30	Plenary	QCD / Calorimetry / Accelerator / BSM	Flavor / Future Exp / Accelerator / Electronics	Poster Session	Sustainabilit / TDAQ / Accelerator / PID
12:30-14:00	Lunch break	Lunch / SC meeting	Lunch / IB meeting	Lunch break	Lunch break
14:00-15:30	Higgs / SiDet / Accelerator / Industry	QCD / Calorimetry / Accelerator / Sustainabilit	Flavor / Future Exp / MDI + Acc / Offline	Excursion	Plenary
15:30-16:00	Coffee break	Coffee break	Coffee break		Coffee break
16:00-18:00	Higgs / SiDet / Accelerator / Industry	BSM / Calorimetry / Accelerator / AI & ML	EW&tt / Gas Det / MDI + Acc / Electronics		Plenary
	Reception 19:00 - 21:00	Public Lecture 19:30 - 21:00	Banquet 18:30 - 21:00		

The Plenary Program

Morning, Thur, Oct 22	Welcome opening	10	SIC & FDU
	Exploring the Electroweak scale with precision	40	Patrick Meade
	Strategy of the CEPC	30	Xinchou Lou
	Discussion	20	Everyone
	Coffee break and group photo (30')		
	Status of the FCC-ee	30	Frank Zimmermann
	CEPC accelerator - technologies & potential contribution to FCC-ee	30	Jie Gao
	Status and plan of the AGORA detector	30	Joao Guimaraes
	Progress towards implementation of Agentic AI	30	Mihoko Nojiri
T.23	The mystery of mass (I)	60	Liantao Wang
	The mystery of mass (II)	60	Yifang Wang
Afternoon, Mon, Oct 26	The experiment proposals of FCC-ee	30	Paolo Giacomelli
	BEPCII: Three Decades of Evolution and the Road Ahead	30	Jiuqing Wang
	Basic R&D of Superconducting Cavities for Future Circular and/or Linear Colliders	30	Akira Miyazaki
	Coffee break (30')		
	Flavor physics at LHCb/Belle II/BES III and opportunity for future Z factory	30	Vincenzo Vagnoni
	Quantum Sensing for (low and) high energy particle physics	30	Michael Doser
	Beam induced background at e+e- collider	30	Daniel Schulte
	Closing	10	

Workshop Participation

- Participants:
  - Total **436** registered at the Indico page, including **85** from institutes abroad
  - In-person turnout: **337**
- Contributions:
  - Plenary talks 12 + 2 (public lecture)
  - Parallel talks 239
  - Posters 41
  - Exhibitions 12

Parallel Sessions	Talks
Accelerator	51
Higgs Physics	13
EW & Top Physics	16
Flavor Physics	7
QCD	8
BSM	13
Silicon Detectors	15
Calorimetry	12
Gaseous Detectors	10
PID & Emerging Technologies	14
Electronics & Readout Systems	10
TDAQ & Online Computing	8
Offline Computing& Software	9
MDI, Mechanics & Integration	17
Industrial Partnerships	17
Future Experiment Proposals	6
Sustainability in HEP	7
AI & ML in HEP	6






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福家讲坛

复旦大学 FUDAN UNIVERSITY

质量的奥秘



王贻芳 院士

中国科学院院士
美国科学院外籍院士
原中国科学院高能物理研究所所长
实验粒子物理学家，领导大亚湾实验、江门中微子实验和第三代北京谱仪实验等我国重大粒子物理实验

王连涛 教授



芝加哥大学物理系
Enrico Fermi Institute
Leiweber Institute for Theoretical Physics
Kavli Institute for Cosmological Physics
美国物理学会会士
理论粒子物理学家，主要研究基本粒子理论和宇宙学

报告摘要

宇宙中的万物，从宏观的天体到微观的基本粒子，它们最普遍的性质就是有着不同的质量。尽管现代物理学的发展已经可以将这些质量的起源追溯到一些基本相互作用的性质，然而我们还没能最终揭示这背后的终极原理。在探索这个奥秘的进程中，我们在最近有了一系列重要的实验结果。未来设想建造的新装置更能将我们的理解推到新的高度。在这个系列的报告中，我们先对有关的背景知识做一个简单的讲解。然后，我们重点介绍实验上的进展和未来的前景，包括中微子实验，强相互作用产生的胶球，以及环形正负电子对撞机的前景。

时间：2026年10月23日19:30–22:00

地点：光华楼二楼东辅 202 吴文政报告厅





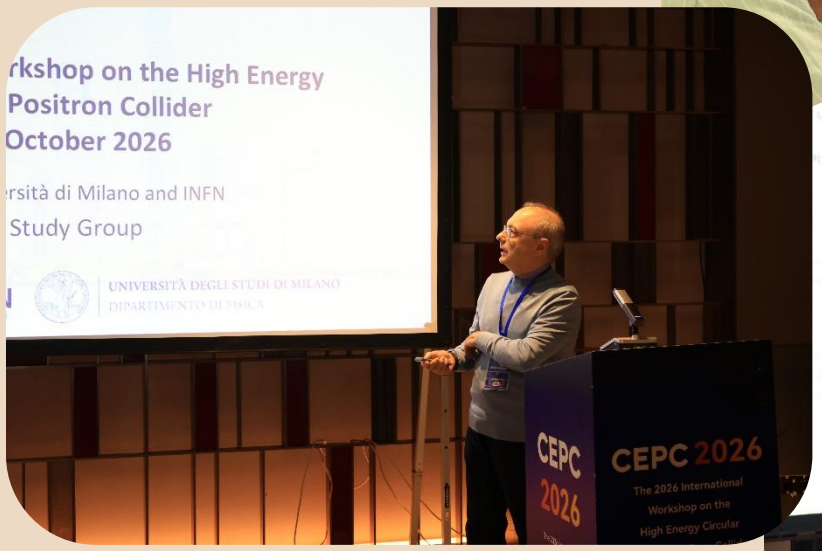





A region
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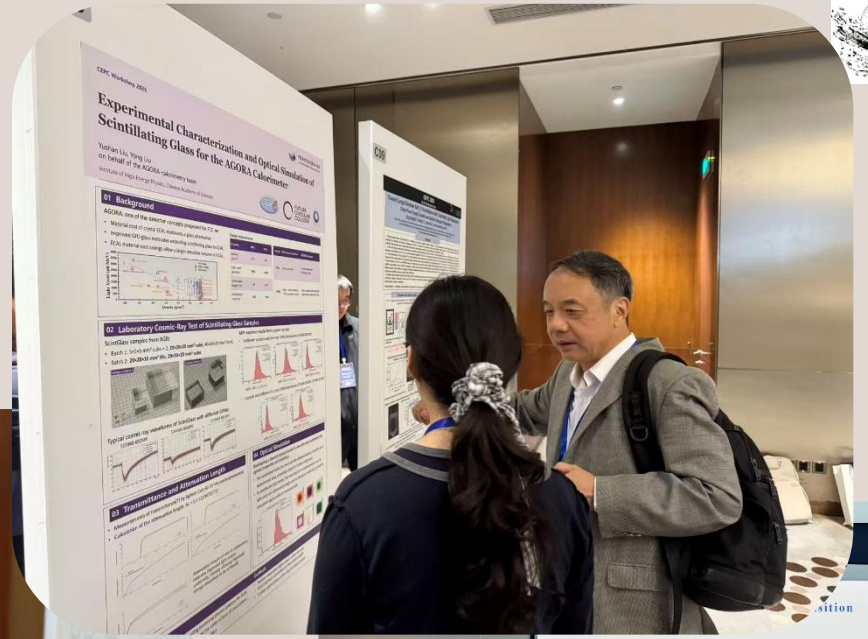

rkshop on the High Energy
Positron Collider
October 2026
rsità di Milano and INFN
Study Group
UNIVERSITÀ DEGLI STUDI DI MILANO
DIPARTIMENTO DI FISICA
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企业介绍与发展历程
企业介绍
发展历程
股东结构
63.44%
31.68%
4.88%


高功率高效率650MHz/800kW连续波速调管
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Experimental Characterization and Optical Simulation of Scintillating Glass for the AGORA Calorimeter
01 Background
02 Laboratory Cosmic-Ray Test of Scintillating Glass Samples
03 Transmittance and Attenuation Length


奕瑞集团发展里程碑
CEPC 2026




Application
Core Technical Specifications
2.5GS/s
14bit
320 channels
500MHz
<50ps
2Vpp
System Highlights
SERVICS


1. Brief Introduction
HERT Organization
In April 2026, the company's headquarters was officially relocated to Jinan to further integrate R&D and industrialization resources and boost the high-quality development of high-end precision equipment business.


Product List
MPT2321
MPT2042
MPX105

Scientific Program Committee

Domain chairs in bold font

Accelerator	Maria Enrica Biagini	INFN/Frascati
	Manuela Boscolo	INFN/LNF
	Philip Burrows	U. Oxford
	Yeonsei Chung	IBS
	Angeles Faus-Golfe	IJCLab/Orsay
	Jie Gao	IHEP
	Wenhui Huang	THU
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	Carlo Pagani	INFN/Milano
	Seunghwan Shin	KBSI
	Steinar Stapnes	CERN
	Makoto Tobiyama	KEK
	Xueqing Yan	PKU
	Frank Zimmermann	CERN
Theory	Nicole Bell	U. Melbourne
	Marco Drewes	UCLouvain
	Xiaogang He	TDLI, SJTU
	Sven Heinemeyer	IFT/CSIC
	Tao Liu	HKUST
	Zhen Liu	U. Minnesota
	Michael Ramsey-Musolf	TDLI/SJTU, UMass

Theory	Margarida Rebelo	CFTP, U. Lisboa
	Alessandro Vicini	U. Milano
	Liantao Wang	U. Chicago
Experimental Physics	Franco Bedeschi	INFN/Pisa
	Daniela Bortoletto	U. Oxford
	Ivanka Bozovic	VINCA
	Shikma Bressler	WIS
	Joao Guimaraes da Costa	IHEP
	Nicola de Filippis	INFN/Bari
	Alexey Drutskoy	LPI
	Paolo Giacomelli	INFN/Bologna
	Peter Krizan	JSI, U. Ljubljana
	Jianbei Liu	USTC
	Bruce Mellado	IHEP
	Stefano Panebianco	SSRI
	Maksym Titov	IRFU, CEA Saclay
	Yoshinobu Unno	KEK
	Haijun Yang	SJTU, TDLI
	Jingbo Ye	IHEP
	Hwidong Yoo	Yonsei U.

Parallel Session Conveners

	Sessions		Blk	Conveners
1	**Accelerator**		13	Maria Enrica Biagini(INFN/Frascati), Manuela Boscolo(INFN/LNF), Philip Burrows(U. Oxford), Yeonsei Chung(IBS), Angeles Faus-Golfe(IJCLab/Orsay), Jie Gao(IHEP), Wenhui Huang(THU), Wei Lu(IHEP), Carlo Pagani(INFN/Milano), Seunghwan Shin(KBSI), Steinar Stapnes(CERN), Makoto Tobiyama(KEK), Xueqing Yan(PKU), Frank Zimmermann(CERN)
2	**Physics**	Higgs Physics	3	Francisco Arco(KIT), Mingshui Chen(IHEP), Shuo Han(IHEP), Yahya Tayalati(UM5), Enkhbat Tsedenbaljir (IPT)
3		EW & Top Physics	3	Long Chen(SDU), Jiayin Gu(FDU), Zhijun Liang(IHEP), Maria Moreno(IFIC)
4		Flavor Physics	2	Lorenzo Calibbi(NKU), Shanzhen Chen(IHEP), Marianna Fontana(INFN/Bologna), Wei Wang(SJTU)
5		QCD	2	Xuan Chen(SDU), Jun Gao(SJTU), Manqi Ruan(IHEP), Huasheng Shao(LPTHE)
6		BSM	2	Johannes Braathen(DESY), Jia Liu(PKU), Olalla Olea Romacho(KCL), Xuai Zhuang(IHEP)
7	**Detector**	Silicon Detectors	3	Baasansuren Batsukh(IPT), Harald Fox(Lancaster U.), Yiming Li(IHEP), Vinicius Franco Lima(UFRJ), Xiangming Sun(CCNU)
8		Calorimetry	3	Junfeng Chen(SIC), Roberto Ferrari(INFN/Pavia), Kyeongpil Lee (CAU), Yong Liu(IHEP), Romualdo Santoro(U.Insubria, INFN/Milano)
9		Gaseous Detectors	2	Nicola de Filippis(INFN/Bari), Mingyi Dong(IHEP), Huirong Qi(IHEP), Yi Wang(THU)
10		PID & Emerging Technologies	3	Alexander Barnyakov(BINP), Sajan Easo(RAL), Zhonghua Qin(IHEP), Xiaolong Wang(FDU)
11		Electronics & Readout Systems	2	Tomasz Fiutowski(AGH), Wei Wei(IHEP), Weihao Wu(SJTU), Zhicai Zhang(THU)
12		TDAQ & Online Computing	2	Fei Li(IHEP), Dayu Tou(THU), Qidong Zhou(SDU)
13		Offline Computing& Software	2	Antonio Falabella(INFN/CNAF), Xingtao Huang(SDU), Weidong Li(IHEP)
14	**General**	MDI, Mechanics & Integration	1+2	Manuela Boscolo (INFN/LNF), Jie Gao (IHEP), Suen Hou (IPAS), Xiaoyan Ma (IHEP), Haoyu Shi (IHEP)
15		Industrial Partnerships	4	Song Jin (IHEP), Xiang Li (SIC), Yaru Wu (IHEP), Zijun Xu(IHEP), Jie Zhang (IHEP), Hongbo Zhu(ZJU)
16		Future Experiment Proposals	2	Ivanka Bozovic(VINCA), Paolo Giacomelli(INFN/Bologna), Miao He(IHEP), Jianchun Wang(IHEP)
17		Sustainability in HEP	2	Zusheng Zhou(IHEP), Maksym Titov(IRFU, CEA Saclay)
18		AI & ML in HEP	1	Tao Liu (HKUST), Hideki Okawa(IHEP)
19		Posters	1	Yajun He(IMP), Xiaowei Jiang (IHEP), Kelin Shen(SIC), Dou Wang(IHEP), Zhiyu Xiang(CSU), Xuhao Yuan(IHEP)

Industrial Partners

Sponsors of CEPC2026
with exhibition and hand-on display



Industrial Presentations
(including CIPC members)



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Wenbin Qian	UCAS	Liming Zhang	THU
Manqi Ruan	IHEP	Yanxi Zhang	PKU
Dingyu Shao	FDU	Hongbo Zhu	ZJU
Workshop Secretaries			
Mingxue Deng, Heting Li, Jie Li, Yaru Wu, Hongjuan Xu, Jingxian Zhang			

Volunteers & Workshop Secretaries



Volunteers

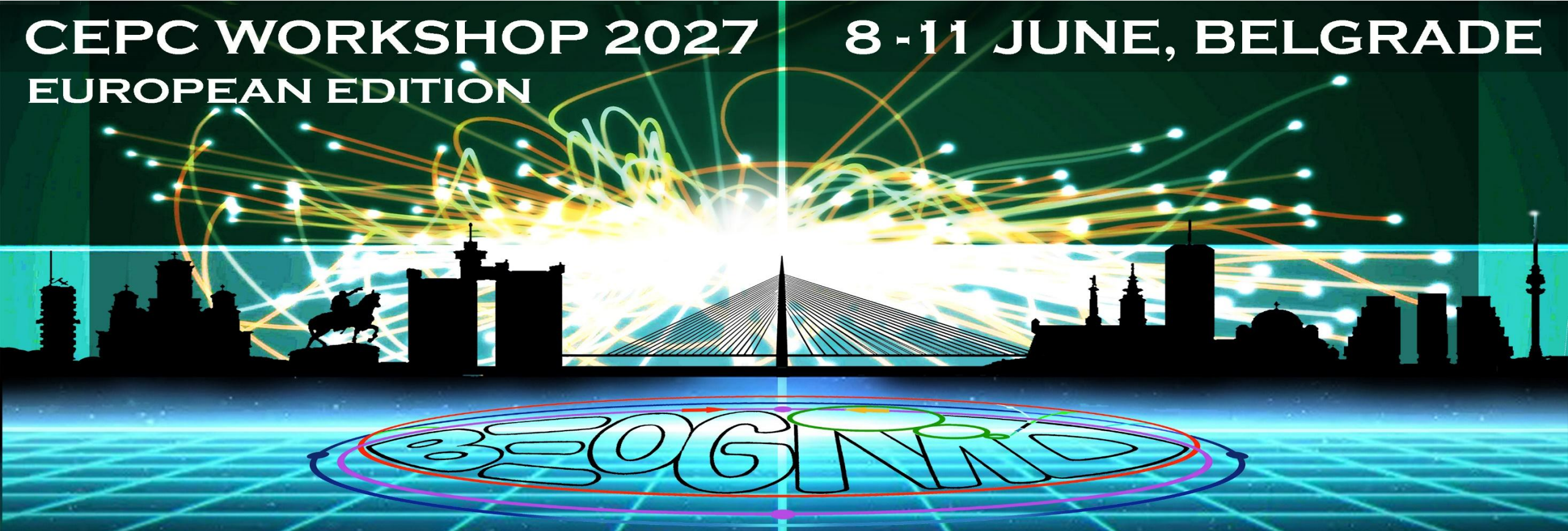


Hongjuan Xu, Jingxian Zhang, Jie Li, Mingxue Deng

CEPC WORKSHOP 2027

EUROPEAN EDITION

8 - 11 JUNE, BELGRADE



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Thank you for making CEPC2026 fruitful !

Have a safe trip to your loved ones !