



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

Tuesday, October 24, 2023

BSM: 1 - CEPC Room 1 (9:00 AM - 10:30 AM)

-Conveners: XuAi ZHUANG

time	[id]	title	presenter
9:00 AM	[B03]	Dark Matter and Dark Sector	WANG, Xiaoping
9:20 AM	[B04]	Dark matter at CEPC	LIU, Zuowei
9:35 AM	[B06]	Probing Inelastic Dark Matter at the LHC, FASER and STCF	TU, Jianfeng
9:50 AM	[B05]	Search for Long-lived Particles at Future Lepton Colliders Using Deep Learning Techniques	ZHANG, Yulei
10:05 AM	[B07]	Long Lived Particles at CEPC	LI, Liang

## Thursday, October 26, 2023

### BSM: 2 - CEPC Room 4 (9:00 AM - 10:35 AM)

-Conveners: Jia Liu

time	[id] title	presenter
9:00 AM	[B08] SMEFT & Global Fits at CEPC	ZHANG, Yang
9:20 AM	[B09] Muon collider signatures for a $SZ'S$ with a maximal $S_{\mu - \tau}$ coupling in $SU(1)_{L_{\mu} - L_{\tau}}$	HUANG, Fei
9:35 AM	[B10] Z Portal to the Dark Sector Through $Z'$ Mediation	JIANG, Xuhui
9:50 AM	[B11] Azimuthal angular correlation from the dipole operators in $e+e$ collider	YAN, Bin YAN, Bin
10:05 AM	[B12] $SZb\bar{b}$ dipole operators at future lepton colliders	TAN, Xiaoze
10:20 AM	[B13] Probing dark QCD sector through the Higgs portal with machine learning at the LHC	ZHANG, Jia

### BSM: 3 - CEPC Room 1 (4:00 PM - 6:05 PM)

-Conveners: Christophe Grojean

time	[id] title	presenter
4:00 PM	[B15] SUSY search prospects at CEPC	XU, Da
4:25 PM	[B17] The Slepton Bulk Region for Dark Matter in the Generalized No-scale F-SU(5) with Effective Super-Natural Supersymmetry	LI, Tianjun
4:50 PM	[B18] Prospects for Off-Shell Slepton Searches at CEPC	ZHU, Pengxuan
5:05 PM	[B14] Light scalar at future colliders	SONG, Huayang SONG, Huayang
5:20 PM	[B88] Comparative Analysis of Positivity Probing: Diphoton Channel at CEPC vs. Photon-Fusion Processes at LHC	SHU, Chi

## Friday, October 27, 2023

BSM: 4 - CEPC Room 1 (11:00 AM - 12:30 PM)

-Conveners: Lingfeng Li

time	[id]	title	presenter
11:00	A021	Flavor Portal NP at CEPC	LI, Lingfeng
11:20	A022	The study of nTGCs in Zgamma process at the CEPC	LIU, Danning
11:35	A023	New Physics Investigations with Triangular Singularity	LIN, Yugen
11:50	A024	Testing Bell inequalities in W boson pair production at Higgs factory	ZHANG, Hao
12:10	A025	Higgs portal & Exotic Higgs/Z/top decays	ZHAO, Li