



## CEPC味物理-新物理和相关探测技术研讨会

Monday, 14 August 2023

New Physics: SUSY - C108 (16:10 - 17:40)

-Conveners: Tianjun Li; XuAi ZHUANG; Lei Wu

time	[id]	title	presenter
16:10	[34]	Sleptons and Electroweakino searches at CEPC	YUAN, Jiarong
16:25	[35]	Probing relatively heavier right-handed selectron in the GmSUGRA	RAZA, Shabbar
16:40	[36]	Prospects for Off-Shell Slepton Searches at CEPC	ZHU, Pengxuan
16:55	[37]	Implications of muon and electron g-2 anomalies for NMSSM	WANG, Fei
17:10	[38]	Some exotic Higgs decay from NMSSM at the CEPC	WANG, Kun
17:25	[39]	Muon g-2: SUSY vs non-SUSY explanations	ATHRON, Peter

## Tuesday, 15 August 2023

New Physics: Higgs portal & Exotic Higgs/Z/top decays - C108 (10:45 - 12:45)

-Conveners: Yaquan FANG Yaquan; Zhao LI Zhao

time	[id]	title	presenter
10:55	[48]	Higgs & Z exotic decay	LIU, Zhen
11:15	[56]	Probing Lepton Flavor Violation at Circular Electron-Positron Colliders	ALTMANNSHOFER, Wolfgang
11:35	[46]	Higgs decays	ZHANG, KaiLi
11:55	[47]	Higgs CP via tautau	CHEN, Xin WU, Yongcheng WU, Yongcheng
12:15	[45]	Top mass	SUN, Xiaohu

New Physics: LLP - C108 (16:20 - 18:20)

-Conveners: Liang Li; Kechen WANG

time	[id]	title	presenter
16:20	[87]	Overview of Recent LLP Results	WANG, Kechen
16:40	[88]	The dipole portal to heavy neutrinos at future colliders	ZHU, Jingyu
17:00	[89]	Theory : new gauge boson	DAS, Arindam
17:20	[90]	Experiment : event signature - ML	HU, Jifeng
17:40	[49]	Tau/B/C FCNC to LLP	JIANG, Xuhui
18:00	[101]	Quantum Entanglement at Colliders	张, 昊

# Wednesday, 16 August 2023

## New Physics: more exotics - C108 (10:45 - 12:25)

-Conveners: Zuwei Liu; Yu Gao

time	[id] title	presenter
10:45	[40] Axion Like Particle Search at Higgs Factories	CHEUNG , Kingman
11:05	[41] Flavour Physics, the Higgs boson, and Emergent Mass	ROBERTS, Craig
11:25	[42] Composite Higgs Models at the High Energy Muon Collider	LIU, Da
11:45	[43] Neutrino Nature and Heavy Neutral Leptons	DEPPISCH, Frank
12:05	[111] A modified Koide formula from scalar potential models and from Yukawaon models	SUN, Zheng

## New Physics: EWPT-GW - C108 (14:00 - 15:40)

-Conveners: kepan xie; Ke-Pan (柯盼) Xie (谢)

time	[id] title	presenter
14:00	[96] Progress on electroweak phase transition	BIAN, Ligong
14:20	[97] Collider and Gravitational Wave Complementarity in Probing the Electroweak Phase Transition	GUO, Huaike
14:40	[98] Electroweak phase transitions: theory issues and collider tests	蒋, 贇
15:00	[99] Testing EWPT at the lifetime and energy frontiers	LIU, Wei
15:20	[54] 2HDM under lepton colliders	苏, 伟

# Thursday, 17 August 2023

## New Physics: Dark Matter & Dark Sector - C108 (14:00 - 15:20)

-Conveners: Yongchao Zhang; Jia Liu; Xiaoping Wang

time	[id]	title	presenter
14:00	[91]	Complementarity of Lepton Collider Probes of Dark Matter	MA, Kai
14:20	[92]	Probing dark matter particles at CEPC	LIU, Zuowei
14:40	[50]	Lighting Electroweak-Violating ALP-Lepton Interactions at CEPC	卢, 致廷
15:00	[93]	A unique $\gamma_5$ prescription for Standard Model with application to Top Physics	CHEN, Long

# Friday, 18 August 2023

## New Physics: SMEFT & global fits - C108 (08:30 - 10:10)

-Conveners: Jiayin Gu; Yang Zhang

time	[id]	title	presenter
08:30	[51]	SMEFT	DU, Yong
08:50	[53]	Minimal SUSY global fits with GAMBIT	ATHRON, Peter
09:10	[95]	Dipole	文, 新锴
09:30	[55]	Revisiting Vacuum Stability and CEPC Constraints for the GM Model	DU, Xiaokang
09:50	[44]	Neutrino Dipole Portal at colliders	ZHANG, Yu