

IAS Program on High Energy Physics (HEP 2022)

Thursday 13 January 2022

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 1 - Session 1

(MW-AP-D1-S1) (15:00 - 16:50)

-Conveners: Eugene LEVICHEV

time	[id] title	presenter
15:00	[210] Beam Physics Frontier Problems	ZIMMERMANN , Frank
15:20	[211] Super-KEKB: What Have We Learned	TOBIYAMA, Makoto
15:40	[212] CEPC Accelerator Status towards TDR	GAO, Jie
16:00	[213] CEPC Collider Lattice Optimization Design	WANG, Yiwei
16:20	[214] CW Beam Physics Analysis	ZHOU, Demin
16:40	Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 1 - Session 2

(MW-AP-D1-S2) (16:50 - 20:00)

-Conveners: Yuhui LI

time	[id] title	presenter
16:50	[215] Beam-beam Effects in Colliders – An Overview	PIELONI, Tatiana
17:10	[216] VEPP-2000 Experience with Round Beams	SHWARTZ, Dmitry B.
17:30	[217] CEPC Beam-beam Effects Studies	ZHANG, Yuan
17:50	[218] SuperKEKB RF Gun Injector Design and Operation	ZHANG, Rui
18:10	[219] CEPC Linac Injector Design	MENG, Cai
18:30	[220] CEPC RF Gun Design	XIN, Tianmu
18:50	Long Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 1 - Session 3

(MW-AP-D1-S3) (20:00 - 21:50)

-Conveners: Frank ZIMMERMANN

time	[id] title	presenter
20:00	[221] FCC-ee Design	KEINTZEL, Jacqueline
20:20	[222] SuperKEKB Collimator System	ISHIBASHI, Takuya
20:40	[223] IR Modelling for FCC-ee	VAN RIESEN-HAUPT, Leon
21:00	[224] CEPC MDI issues	BAI, Sha
21:20	[225] CEPC SC Quadrupole Magnet R&D	ZHU, Yingshun
21:40	Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 1 - Session 4**(MW-AP-D1-S4) (21:50 - 23:10)****-Conveners: Jie GAO**

time	[id] title	presenter
21:50	[226] CEPC RF System and R&D	ZHAI, Jiyuan
22:10	[227] 650MHz High Power High Efficiency Klystron	ZHOU, Zusheng
22:30	[228] Global Planning for Colliders - EPPS, Snowmass, China, Russia	SHILTSEV, Vladimir
22:50	[229] C ³ Linear Colliders - A New Approach	NANNI, Emilio A.

Friday 14 January 2022

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 2 - Session 1

(MW-AP-D2-S1) (15:00 - 16:50)

-Conveners: Jie GAO

time	[id] title	presenter
15:00	[230] CEPC Mechanics Design	WANG, Haijing
15:20	[231] CEPC Injection/ Extration and Timing	CUI, Xiaohao
15:40	[232] CEPC Collective Instabilities Studies	WANG, Na
16:00	[233] On Polarization and Energy Calibration in e+e- Colliders	NIKITIN, Sergei
16:20	[234] CEPC Polarization	DUAN, Zhe
16:40	Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 2 - Session 2

(MW-AP-D2-S2) (16:50 - 20:00)

-Conveners: Winfried DECKING

time	[id] title	presenter
16:50	[235] CEPC Collider Ring and Booster Magnets R&D	YANG, Mei
17:10	[236] CEPC Vacuum System R&D	MA, Yongsheng
17:30	[237] SuperKEKB Control System and Operation	HIROSHI, Kaji
17:50	[238] CEPC Control System	LI, Gang
18:10	[239] CEPC Booster+damping Ring Design	WANG, Dou
18:30	[240] CEPC Alignment and Installation	WANG, Xiaolong
18:50	Long Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 2 - Session 3

(MW-AP-D2-S3) (20:00 - 21:50)

-Conveners: Makoto TOBIYAMA

time	[id] title	presenter
20:00	[241] Muon Colliders - Challenges	SCHULTE, Daniel
20:20	[242] SppC Study Status	TANG, Jingyu
20:40	[243] CEPC Cryogenic System R&D	GE, Rui
21:00	[244] CEPC Instrumentation R&D	SUI, Yanfeng
21:20	[245] CEPC Plasma Injector Studies	LI, Dazhang
21:40	Break	

Mini-workshop: Accelerator Physics - Key Beam Physics and Technologies Issues for Colliders: Day 2 - Session 4

(MW-AP-D2-S4) (21:50 - 23:10)

-Conveners: Vladimir SHILTSEV

time	[id] title	presenter
21:50	[246] SppC High Field SC Magnet R&D	XU, Qingjin
22:10	[247] Superconducting Magnet Technology Development	GOURLAY, Stephen
22:30	[248] Coherent Electron Cooling - Promise and Challenges	STUPAKOV, Gennady
22:50	[249] Plasma Colliders	SCHROEDER, Carl