

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

Monday, 23 October 2023

Poster: Group A - Physics and computing (18:00 - 18:20)

-Conveners: Guang ZHAO; Shu Li; Yiming Li; Lei Zhang; Gang LI; Dou WANG

time	[id]	title	presenter
18:00	[391]	Group A, ==== The linked file contains all posters in this group, total size 15 MB ====	
18:01	[299]	A01: Comparative Analysis of Positivity Probing: Diphoton Channel at CEPC vs. Photon-Fusion Processes at LHC	SHU, Chi
18:02	[331]	A02: QAOA and its application on Jet Clustering	ZHU, Yongfeng
18:03	[332]	A03: New Physics Investigations with Triangular Singularity	LIN, Yugen
18:04	[333]	A04: Angularity event shapes in Higgs decay at NNLL' accuracy	ZHU, Jiawei
18:05	[355]	A05: Reconstruction algorithm of cluster counting in drift chambers	LIU, Shuaiyi
18:06	[240]	A06: HEP@home: A Volunteer Computing Project to Run Fast Simulation with Delphes for CEPC	DU, Ran
18:07	[346]	A07: Neural network algorithm for HL-LHC ATLAS hardware tau trigger	CHEN, Boping

Poster: Group B - Accelerator and beam (18:20 - 18:40)

-Conveners: Dou WANG; Lei Zhang; Shu Li; Yiming Li; Gang LI; Guang ZHAO

time	[id]	title	presenter
18:20	[392]	Group B, ==== The linked file contains all posters in this group, total size 12 MB ====	
18:21	[298]	B01: Error and Correction Simulation of CEPC Booster and Damping Ring	JI, Daheng
18:22	[356]	B02: Particle-in-Cell simulation of three-dimensional betatron oscillation in plasma wakefield acceleration	LIU, Yulong
18:23	[357]	B03: A Method to Establish Height Datum Online Based on Absolute Hydrostatic Leveling System	MA, Na
18:24	[358]	B04: Preliminary design of energy recovery scheme for high-power klystron	LIU, Yu
18:25	[359]	B05: An optimization method for klystron magnetic focusing system	WANG, Yiao WANG, Yiao
18:26	[360]	B06: Studies of LWFA-driven PWFA Hybrid Acceleration	CHANG, Xinyuan
18:27	[361]	B07: Vertical test of 650 MHz superconducting radio-frequency cavity for CEPC	YE, Lingxi
18:28	[347]	B08: Preliminary design consideration for CEPC fast luminosity feedback system	LI, Meng

18:29	[351] B09: The design of CEPC detector beampipe	HE, Longyan
18:30	[89] B10: CEPC Fast Luminosity Monitor with Silicon Carbide	HE, Ye
18:31	[383] B11: Study of the beam energy measurement using inverse Compton scattering approach	TANG, Guangyi

Poster: Group C - Detector system (18:40 - 19:01)

-Conveners: Guang ZHAO; Shu Li; Yiming Li; Gang LI; Lei Zhang; Dou WANG

time	[id] title	presenter
18:40	[393] Group C, ==== The linked file contains all posters in this group, total size 85MB ====	
18:41	[302] C01: A MAPS-based Upstream Tracker for The LHCb Upgrade II	SHENG, Shuqi
18:42	[300] C02: ML-based digitization for CEPC Vertex detector	ZHANG, Yizhou
18:43	[285] C03: The design of CEPC electromagnetic calorimeter	SHU, Chang
18:44	[301] C04: AMS L0 Upgrade	BAASANSUREN BATSUKH
18:45	[348] C05: Tracker optimisation for the Fourth Detector Concept of CEPC	JIANG, Xiaojie
18:46	[349] C06: Detector geometry and PFA reconstruction for the crystal bar ECAL in CEPC	SONG, Weizheng
18:47	[350] C07: Test of CMOS chip using 55nm process	XIANG, Zhiyu
18:48	[352] C08: The Luminosity Measurement of the CEPC and ATLAS with the LGAD	FAN, Yunyun
18:49	[353] C09: Research of the JadePix-3 Beam Telescope	DONG, Sheng
18:50	[354] C10: Digital Design of a HVCMOS pixel sensor prototype in 55nm for CEPC	DONG, Ruoshi
18:51	[330] C11: Exploration of a 55nm HV-CMOS process for the CEPC silicon tracker	ZHOU, Yang
18:52	[380] C12: R&D of CEPC detector magnet	NING, Feipeng
18:53	[381] C13: Radiation hard SiPM and LGAD sensor development	ZHANG, Yuantian
18:54	[382] C14: offline analysis for the beam test of the CEPC vertex detector prototype	LI, Shuqi
18:55	[72] C15: Novel method to create the massive electrons in chamber for e+e- collider	YU, Liwen
18:56	[387] C16: Surface defect detection of silicon sensors	LIU, Hanbing
18:57	[389] C17: Prospect of ttbar analysis at CEPC	ZHANG, Xiaoxu