

The 2025 International Workshop on the High Energy Circular Electron Positron Collider

Friday, 7 November 2025

Poster: GroupB: Accelerator II - Hallway (19:00 - 20:00)

time	[id]	title	presenter
19:00	[365] [B01]	Development of high voltage pulsed modulator for the CEPC C band 80MW Klystron	LI, Fei
19:01	[367] [B02]	Design of L-Band 10MW High Efficiency Multibeam Klystron	HABIB, Noman
19:02	[368] [B03]	Development of a P-Band Energy-Recovering Klystron for CEPC	LIU, Yu
19:03	[369] [B04]	Research on an S-Band 50 MW High-Efficiency Permanent Magnet Klystron	XIAO, Han
19:04	[370] [B05]	Heat Load Investigation of Collector for High-Average Power Beam Dump of 80 MW Klystron for CEPC LINAC	MUNAWAR IQBAL, Munawar
19:05	[371] [B06]	Development of S-band high efficiency klystron	WANG, Yiao
19:06	[372] [B07]	Development of 1.2 Mega-Watt P-band Travelling Wave Resonant Ring	WANG, Fanyu
19:07	[377] [B08]	Electromagnetic and stability design of CEPC detector Superconducting magnet	WANG, Menglin
19:08	[382] [B09]	High Reliability Design for High Power RF Source Systems in Large Particle Accelerators	LIU, Jindong
19:09	[383] [B10]	Optimization of Cavity Shape for C-Band Accelerating Structure	RAO, Ghazal
19:10	[384] [B11]	RF design of a C-band spherical cavity pulse compressor	CAO, Hengjun
19:11	[390] [B12]	Research on Scalable NEG Coating Techniques for CEPC Copper Vacuum Chambers : From Lab-Scale to Mass Production	SUN, Fei
19:12	[391] [B13]	Research on Methods for Improving the Plane Absolute Accuracy of the Control Network for the Circular Particle Accelerator	MA, Na
19:13	[392] [B14]	NEG coating and thermal coating spray of vacuum chamber	MA, Yongsheng
19:14	[401] [B15]	Alternative Solution of RF Region Beam Separating System in CEPC	WU, Guanjian

Poster: GroupA: Accelerator 1 - Hallway (19:00 - 20:00)

time	[id]	title	presenter
19:00	[389] [A01]	Design and Calculation of the Vacuum System for High-Energy Linear Accelerator and Test Bench	TIAN, Pulong
19:01	[374] [A02]	Application of Vibration Wire Measurement Technology in Pre-alignment Unit of HEPS Storage Ring	YAN, Luping
19:02	[364] [A03]	SAD-Based Particle Tracking Simulation of Injection Efficiency and Beam Loss in SuperKEKB LER	ZHAO, Mingyang

19:03	[385] [A04] Study on the Method for Successful Achievement of Vacuum Closed-Loop in the HEPS Storage Ring	LIU, Tianfeng
19:04	[387] [A05] Measurement of 3D distance from JUNO Detectors to Nuclear Power Reactors	LIU, Xiaoyang
19:05	[386] [A06] Analysis of absolute position alignment and absolute position deviation of the high energy photon source storage ring tunnel	YAN, Haoyue
19:06	[375] [A07] Development of a hybrid superconducting dipole magnet with the magnetic field beyond 14 T	WANG, Chengtao
19:07	[379] [A08] Closed-loop ReBCO Coil Under Varying Magnetic Field: A Study of its Current Distribution and Dynamic Losses	XU, Hang
19:08	[378] [A09] Development of a CLIQ-Varistor Quench Protection Scheme for the LPF3-U Superconducting Dipole Magnet	WANG, Yunqing
19:09	[380] [A10] Simulation and Experimental Validation of Inductive Excitation in HTS Flywheel Energy Storage System	MA, Rui
19:10	[381] [A11] Electromagnetic Properties of Iron-Based Superconducting Uninsulated Double Pancake Coils and Their Comparison with REBCO Coils	REN, Fan
19:11	[388] [A12] Insulation Failure Mechanism and Multilevel Protection Strategy for CCT Superconducting Magnets in Helium Environment	ZHOU, Jin
19:12	[366] [A13] A low-level radio frequency (LLRF) control system for multiple superconducting cavities based on MicroTCA.4	GAO, Wenbin
19:13	[373] [A14] CEPC superconducting quadrupole magnets in interaction region	GENG, Jieru
19:14	[376] [A15] Development of high power energy recovery absorbing load for large scale accelerators	ZHAO, Yang

Poster: GroupC: Detector I - Hallway (19:00 - 20:00)

time	[id]	title	presenter
19:00	[348] [C01]	A 55 nm HV-CMOS Pixel Sensor Design for High-Energy Particle Tracking with High Hit Rate and Precise Time Resolution	LI, Leyi
19:01	[349] [C02]	Current testing results of sensing diode, PLL, NMOS comparator and readout circuit of COFFEE3 pixel MAPS prototype for CEPC	WANG, Boxin
19:02	[350] [C03]	Irradiation study of COFFEE2 chips	SHI, Tianyu
19:03	[351] [C04]	HVCMOS Pixel Sensor in 55nm Process: Readout Architecture Simulation, Hit Loss Analysis, and Data Transmission Optimization	ZHANG, Xiaoxu
19:04	[352] [C05]	A low-power 55 nm HV-CMOS pixel sensor readout architecture for the CEPC Inner Tracker	YAN, Bingchen
19:05	[353] [C06]	Current testing results of the in-pixel CSA, discriminator, TDC, and readout circuit of COFFEE3 pixel MAPS prototype for CEPC	CAI, Yuman
19:06	[354] [C07]	TCAD simulation study of Novel AC-LGAD design with isolation Structures for sensor performance optimization	HUANG, Xu
19:07	[355] [C08]	KNN-Based Position Reconstruction Algorithm for AC-Coupled Low Gain Avalanche Detector	ZHANG, Xiaoxu
19:08	[356] [C09]	Prototype assembly and tests for CEPC vertex detector	JIN, Liangchenglong
19:09	[357] [C10]	Background Analysis and Digitization of CEPC Vertex Detector	LU, Hancen

19:10	[358] [C11] The Impact of Beam-Induced Backgrounds on the CEPC Vertex Detector Performance	KANG, Zizi
19:11	[359] [C12] Design Proposal for the CEPC Vertex Detector	ZHANG, Tianyuan

Poster: GroupD: Detector II - Hallway (19:00 - 20:00)

time	[id]	title	presenter
19:00	[408]	[D01] Radiation hardness of 4H-SiC detectors for the CEPC Fast Luminosity Monitor Detector	ZHOU, Jiaqi 周, 嘉奇
19:01	[361]	[D02] Research on the Electromagnetic Characteristics of No-Insulation Coils Wound with Aluminum-stabilized Stacked Tape Cable	LI, Qingyuan
19:02	[362]	[D03] Design of Beam Monitoring Online System	ZHAO, Sen
19:03	[363]	[D04] Bhabha event acceptance of the LumiCal at CEPC	GONG, Jiading
19:04	[344]	[D05] Simulation Studies of the Effect of SiPM Dark Noise on the Performance of a Highly Granular Crystal ECA	ROLPH JACK CHRISTOPHER HUTCHIN, Jack
19:05	[345]	[D06] Beam test results and uniformity studies of high-density glass scintillator tiles	DU, Dejing
19:06	[346]	[D07] Beamtest data analysis and simulation validation for the CEPC AHCAL prototype	DU, Dejing
19:07	[342]	[D08] Design of the CEPC Gaseous Tracking Detector and Research on Particle Identification	ZHENG, Jianbo
19:08	[343]	[D09] The Construction of a Drift Chamber Prototype	DONG, Jing
19:09	[339]	[D10] Fast Simulation of the CEPC Long-Bar Crystal Electromagnetic Calorimeter	LI, Zhihao
19:10	[340]	[D11] A Concurrent and Distributed Analysis Framework for Large-Scale High-Energy Physics Experiments	JIN, Shuzhu