

The 25th International Conference on Accelerators and Beam Utilizations

Thursday, 9 November 2023

Working Group: WG1 - 2F - 3F (09:00 - 12:00)

-Conveners: In Seok Hong; HAN SUNG KIM

time	[id] title	presenter
09:00	[202] Performance test of SCL3 cryomodules for RAON	KIM, Youngkwon
09:20	[203] Initial beam conditioning of 14.5 GHz ECR ion source for RAON	HEO, Jeongil
09:40	[204] Performance Evaluation of a 70 MeV H- Cyclotron as a Proton Driver for an ISOL System	YEON, Yeong Heum
10:00	[205] Machine learning-based anomaly detection in drift tube quadrupole operation for the KOMAC linac	Dr KIM, DongHwan
10:20	Coffee Break	
10:40	[207] PAL-XFEL upgrade plan	MIN, Chang-Ki
11:00	[230] E336 Experiment at SLAC FACET-II on beam-driven plasma wakefield acceleration in structured solids: status and prospects	SYTOV, Alexei
11:20	[231] Development of THz corrugated wakefield structures	KONG, Hyung-sup
11:40	[206] LINAC-driven epithermal neutron beam for boron neutron capture therapy	BAE, Young-soon

Working Group: WG3 - 2F - 3F (09:20 - 12:00)

-Conveners: Deok-Yong Cho

time	[id] title	presenter
09:20	[208] Opening Remark	Dr CHO, Deok-Yong
09:30	[209] Scanning Transmission X-ray Microscopy Study on Low Dimensional Magnetic Systems	KIM, Wondong
10:00	[210] 4D Visualization of the Light-induced Coherent Magnon by an X-ray Free Electron Laser	CHUN, Sae Hwan
10:30	[211] Visualizing quantum materials using hard x-ray techniques	CHANG, Seohyoung
11:00	[212] In-Vacuum Undulators for the First Phase Beamlines of the Korea-4GSR	HA, Changwan
11:25	[213] Conceptual Design of the High Energy Microscopy Beamline at the Korea 4th Generation Storage Ring	LIM, Jae-Hong
11:50	[249] Closing Remark	Dr KO, Kyung-Tae

Working Group: WG2 - 2F - 3F (13:30 - 16:30)

-Conveners: Moses Chung; Changbum Kim

time	[id] title	presenter
13:30	[214] Design and Optimization Study of the Electron Linear Accelerator for the Korea Photon Source Using Multi-Objective Genetic Algorithm	KIM, Chanmi

13:50	[215] Investigation of the ID effect on the ring parameters of Korea-4GSR	JANG, Gyeongsu
14:10	[216] Simulations on multi-bunch instability due to the resistive wall wakes in 4GSR by mbtrack2-cuda	KIM, Keon Hee
14:30	[217] Highly charged ion extraction beamline study for the UNIST-EBIT	HAN, Je Hwan
14:50	Coffee Break	
15:00	[218] Status of 4GSR Beam Position Monitor system	JANG, Siwon
15:30	[219] Beam dynamics study for achieving the leading performance of compact UED machine	HWANG, Ji-Gwang
15:50	[220] Characterization of the proton test beamline at KOMAC	LEE, Seunghyun
16:10	[221] Comparison of Beam Characteristics using Ar and Ne Beams in RAON Injector	JANG, Ji-Ho

Working Group: WG4 - 2F - 3F (13:30 - 16:30)

-Conveners: Se Byeong Lee; Taeksu Shin

time	[id] title	presenter
13:30	[222] Proton Therapy: Present Advancements and Future Innovations	HAN, Youngyih
14:00	[223] Current Status of Carbon Ion Therapy in Yonsei Cancer Center	KIM, Jin Sung
14:30	[224] Structured Assessment of Carbon-ion Radiotherapy in treating cancers.	KIM, Eun Ho
15:00	Coffee Break	
15:15	[225] Feasibility study of normal tissue sparing effect in proton minibeam radiation therapy: animal experiment	PARK, Kyeongyun
15:30	[226] Treatment planning based on dual-layer computed tomography for carbon ion radiotherapy and dose recalculation using Monte Carlo simulation	YOON, Euntaek
15:45	[227] Design study of scanning magnets for FLASH proton therapy	AN, Seohyeon
16:00	[228] Defect evolution in graphene induced by He ⁺ and He ⁺⁺ ion beam irradiation	SEO, Junhyeok
16:15	[229] New Geant4 simulation model of X- and gamma-rays production by electron and positron beam in oriented crystals	SYTOV, Alexei