

24th International Workshop on Radiation Imaging Detectors

Monday, June 26, 2023

Applications: 1 - Simula Auditorium (9:00 AM - 10:30 AM)

-Conveners: Ralf Hendrik Menk

time	[id] title	presenter
9:00 AM	[244] INVITED: Proton therapy centers in Norway	MALINEN, Eirik
9:30 AM	[123] Lung cancer heavy ion therapy CMOS tracking device	GESSION, Levana
9:50 AM	[122] A two-layer Timepix3 stack for improved charged particle tracking and radiation field decomposition	BERGMANN, Benedikt Ludwig Dr SMOLYANSKIY, Petr
10:10 AM	[113] Quantitative helium-beam radiograph of a head and neck model and comparison to X-ray CT projections	METZNER, Margareta

Tuesday, June 27, 2023

Applications: 2 - Simula Auditorium (8:30 AM - 10:20 AM)

-Conveners: Renata Longo

time	[id] title	presenter
8:30 AM	[253] INVITED: Recent development of solid state microdosimetry and its applications in particle therapy and space	TRAN, Linh T.
9:00 AM	[73] WIDMApp (Wearable Individual Dose Monitoring Apparatus): an innovative approach for individual dose monitoring in Targeted Radionuclide Therapy	MIRABELLI, Riccardo
9:20 AM	[15] Measuring spill microstructure of medical synchrotron on primary and secondary ion radiation fields using Timepix3 detectors	Dr FÉLIX-BAUTISTA, Renato
9:40 AM	[114] 2.5D Imaging: obtaining additional depth information from helium-beam radiographs for applications in ion beam radiotherapy using silicon pixel detectors	SCHLECHTER, Annika
10:00 AM	[5] 10ps Time-of-Flight PET scanner: From Hope to Practice	LECOQ, Paul Rene Michel

Applications: 3 - Simula Auditorium (3:50 PM - 5:20 PM)

-Conveners: Cinzia Da Via

time	[id] title	presenter
3:50 PM	[249] INVITED: Monolithic Active Pixel Sensors for High-Energy Physics Applications	CONTIN, Giacomo
4:20 PM	[184] Radiation Measurements with the Timepix based HERA Instrument on Artemis I and Biosentinel	Dr GEORGE, Stuart
4:40 PM	[104] COSINUS- A cryogenic NaI dark matter detector using the novel "remoTES" design.	STUKEL, Matthew Jake
5:00 PM	[110] Test beam results of a fluorescence-based monitor for ultra-high dose rates	TRIGILIO, Antonio

Wednesday, June 28, 2023

Applications: 4 - Simula Auditorium (8:30 AM - 10:20 AM)

-Conveners: Seppo Nenonen

time	[id] title	presenter
8:30 AM	[187] INVITED: Direct electron detectors in electron cryo-microscopy	MCMULLAN, Greg
9:00 AM	[152] Enhancing spatial resolution in MÖNCH detectors for electron microscopy via deep learning	XIE, Xiangyu
9:20 AM	[61] Development of the grade selection of X-ray events using machine learning for a CubeSat application	SHEN, Hsien-Chieh
9:40 AM	[230] Speckle-based imaging (SBI) applications with spectral photon counting detectors at the newly established OPTIMATO (OPTimal IMAGING and TOMography) lab	DI TRAPANI, Vittorio
10:00 AM	[103] Real-time Autoradiography on Environmental Samples with a Parallel Ionization Multiplier Gaseous Detector	ANG, Joyce W. L.

Thursday, June 29, 2023

Applications: 5 - Simula Auditorium (8:30 AM - 10:20 AM)

-Conveners: **Nicolo Cartiglia**

time	[id] title	presenter
8:30 AM	[252] INVITED: X-ray Dark-Field Imaging: From Basic Principles to First Clinical Applications	PFEIFFER, Franz
9:00 AM	[39] High-speed x-ray CT for industrial inspection through high-brightness x-ray sources and photon counting detectors	DREIER, Till
9:20 AM	[24] ThyroPIX – Mobile Compton camera based on Timepix3 technology for monitoring of thyroid gland cancer treatment	TROJANOVA, Eliška
9:40 AM	[164] First Results from the 4D-PET Scanner for the Brain Examination	Prof. BENLLOCH, Jose Maria
10:00 AM	[75] Feasibility studies of a novel ultra-low dose stationary tomographic molecular breast imaging system utilising 3D position of interaction CZT detectors	Dr CHERLIN, Alexander