23rd International Workshop on Radiation Imaging Detectors

Monday, 27 June 2022

Applications: 1 - Room Garda (11:00 - 12:50)

   -Conveners: Ralf Hendrik Menk

time	[id] title	presenter
11:00	[218] INVITED: Imaging and time-stamping single optical photons with nanosecond resolution for quantum applications	Dr NOMEROTSKI, Andrei
11:30	[209] Event driven Timepix3 hybrid pixel detector for cryo-EM at 200 keV	Mr ZHANG, Yue
11:50	[57] The FlashDC project: development of a beam monitor for FLASH radiotherapy	TRIGILIO, Antonio
12:10	[38] Measurement of the Energy Loss during proton therapy: a new treatment verification technique	FERRERO, Veronica
12:30	[83] Timepix3-based mini-tracker of charged nuclear fragments to detect anatomical changes in radiotherapy with carbon ions	Dr FÉLIX BAUTISTA, Renato

Tuesday, 28 June 2022

Applications: 2 - Room Garda (14:00 - 15:50)

  -Conveners: Matthieu Boone

time	[id] title	presenter
14:00	[220] INVITED: Spectral and phase-contrast imaging: from crystal-based synchrotron setups to detector-based compact systems	BROMBAL, Luca BROMBAL, Luca
14:30	[25] High-resolution Large-area Medipix3 Camera for X-ray Spectral Imaging of fast-moving Objects	POLANSKY, Stepan
14:50	[155] Ultra-fast line camera based on TI-LGAD for beam diagnostics and photon science	TRIFONOVA, Ekaterina
15:10	[185] 3D localization of radioactive sources by triangulation method using a single gamma camera	BENMAHI, Kamel
15:30	[129] Correlated X-ray photons for incoherent diffraction imaging	Dr IGNATENKO, Alexandr

Wednesday, 29 June 2022

Applications: 3 - Room Garda (10:50 - 12:40)

-**Conveners: renata longo**

time	[id] title	presenter
10:50	[223] INVITED: Photon-counting CT with edge-on silicon	DANIELSSON, Mats DANIELSSON, Mats
11:20	[90] Integration mode proton imaging with pixelated large-area CMOS sensor	Ms SCHNÜRLE, Katrin
11:40	[117] In-vivo patient treatment verification with in-beam PET at the National Center for Oncological Hadron-therapy: inter-fractional data analysis using the gamma evaluation method	KRAAN, Aafke Christine
12:00	[132] TimePix detector for mixed radiation field characterization in particle therapy	Ms STASICA, Paulina
12:20	[173] A proton Computed Tomography scanner for biological phantoms imaging	SCARINGELLA, Monica

Thursday, 30 June 2022

<u>Applications: 4</u> - Room Garda (08:45 - 10:35)

  -Conveners: Valeria Rosso

time	[id] title	presenter
08:45	[215] INVITED: Semiconductor Drift Detectors: history, present and future	Prof. BERTUCCIO, Giuseppe
09:15	[62] Beam Test Studies with the latest Silicon Sensor Module Prototypes for the CMS Phase-2 Outer Tracker	WITTIG, Florian
09:35	[191] Test of ITk 3D sensor pre-production modules with ITkPixv1.1 chip	LAPERTOSA, Alessandro
09:55	[93] Experimental Characterization of a Fast X-Ray Spectroscopic Imager Module for Real-Time Contaminants Detection	QUERCIA, Jacopo
10:15	[105] Performance studies of Low Gain Avalanche Detectors (LGAD) coupled to the Timepix3 ASIC	Dr MANEUSKI, Dima