

22nd International Workshop on Radiation Imaging Detectors

Monday, June 28, 2021

Oral presentations: ASICs 1 - Zoom (10:10 AM - 10:50 AM)

-Conveners: Bernd Schmitt

time	[id] title	presenter
10:10	[P159] A new AGIPD detector generation	LAURUS, Torsten
10:30	[P166] FASTpix - small collection electrode CMOS sensors for precise time-stamping capabilities, high efficiency in thin sensors and high radiation tolerance	MUNKER, Magdalena

Oral presentations: Particles - Zoom (11:20 AM - 12:20 PM)

-Conveners: Joaquim Marques Ferreira Dos Santos

time	[id] title	presenter
11:20	[P162] High-angular resolution tracking of energetic charged particles in wide field-of-view with compact tracker telescope MiniPIX Timepix3 1x2 Stack	Dr GRANJA, Carlos
11:40	[P168] Electron detection with CdTe and GaAs sensors using the charge integrating hybrid pixel detector JUNGFRÄU	FRÖJDH, Erik
12:00	[P175] Experimental study of the adaptive gain feature for improved position sensitive ion spectroscopy with Timepix2	BERGMANN, Benedikt Ludwig

Oral presentations: Medical - Zoom (2:20 PM - 3:00 PM)

-Conveners: Renata Longo

time	[id] title	presenter
2:20	[P165] Quantum Entangled PET Imaging	CHERLIN, Alexander
2:40	[P181] The timing detectors of the FOOT experiment: the charge changing cross sections measured using ^{16}O beams of 400 MeV/u energy	DE GREGORIO, Angelica

Oral presentations: Systems - Zoom (3:30 PM - 4:50 PM)

-Conveners: Eduardo Cortina Gil

time	[id] title	presenter
3:30	[P181] Development of an intensified neutron camera system for high sensitivity white-beam imaging	Dr HINK, Paul
3:50	[P209] The new GEM station GE1/1 of the CMS muon detector: status, commissioning and early performance studies	SIMONE, Federica Maria
4:10	[P238] Pixel chamber: a solid-state active-target for 3D imaging of charm and beauty	MULLIRI, Alice
4:30	[P148] Development, construction and tests of the Mu2e electromagnetic calorimeter mechanical structures	Dr PASCUTO, Daniele

Tuesday, June 29, 2021

Oral presentations: Muons - Zoom (9:50 AM - 10:30 AM)

-Conveners: Michael Tytgat

time	[id] title	presenter
9:50 AM	[M192] From muography to muon tomography of large structures	PROCUREUR, Sebastien
10:10 AM	[M166] Three years of muography at Mount Etna: results and future perspectives	Dr GALLO, Giuseppe

Oral presentations: Readout - Zoom (11:00 AM - 12:00 PM)

-Conveners: Roelof de Vries

time	[id] title	presenter
11:00 AM	[M170] WiggleCam: a method to cope with inter-sensor gaps for high-framerate tiled sensor arrays	Mr VAN ASSCHE, Frederic
11:20 AM	[M149] Development of Data Correction Techniques for the 1M Large Pixel Detector at FXE	WHEATER, Rhian Mair
11:40 AM	[M162] A Low-Noise Pixelated ASIC for the Readout of Micro-Channel Plates	Mr FABBRICA, Edoardo

Oral presentations: X-rays - Zoom (1:30 PM - 2:50 PM)

-Conveners: Matthieu Boone

time	[id] title	presenter
1:30 PM	[M161] On the possibility to utilize a PCO Edge 4.2 bi scientific CMOS imager for extended ultra violet and soft X-ray photon detection	MENK, Ralf Hendrik
1:50 PM	[M178] 18k Pixel Readout IC for CdTe Detectors Operating in Single Photon Counting Mode with Interpixel Communication	GRYBOS, Pawel
2:10 PM	[M117] Multi-bin energy-sensitive Micro-CT using large area photon-counting detectors Timepix	Mr DUDAK, Jan
2:30 PM	[M189] First user experiments of the PERCIVAL soft X-ray imager	CORREA MAGDALENA, Jonathan

Oral presentations: ASICs 2 - Zoom (3:20 PM - 4:20 PM)

-Conveners: Cinzia Da Via

time	[id] title	presenter
3:20 PM	[M185] SparkPix-ED: a readout ASIC with 1 MHz frame-rate for rare event experiments at LCLS-II	ROTA, lorenzo
3:40 PM	[M183] Characterization of the ePixM monolithic CMOS sensor for soft X-rays	ROTA, lorenzo
4:00 PM	[M189] X-ray imaging of moving objects using on-chip TDI and MDX methods with single photon counting CdTe hybrid pixel detector	ZOLADZ, Miroslaw

Wednesday, June 30, 2021

Oral presentations: LHC - Zoom (9:50 AM - 10:30 AM)

-Conveners: Andrea Giammanco

time	[id] title	presenter
9:50 AM	[M196] The LHCb Vertex Locator Upgrade	KOPCIEWICZ, Pawel
10:10 AM	[M199] System Tests for the ATLAS ITk Pixel Detector	WEINGARTEN, Jens DERVAN, Paul

Oral presentations: Materials - Zoom (11:00 AM - 12:00 PM)

-Conveners: Seppo Nenonen

time	[id] title	presenter
11:00 AM	[M170] Study of charge carrier transport properties and lifetimes in HR GaAs:Cr with Timepix3	Dr SMOLYANSKIY, Petr
11:20 AM	[M167] High-spatial resolution measurements with GaAs sensor with the charge integrating MÖNCH detector	CHIRIOTTI ALVAREZ, Sabina
11:40 AM	[M145] Intercalibration and comparative tests of 3D diamond and diamond on iridium detectors for medical dosimetry	Dr KANXHERI, Keida

Oral presentations: Applications - Zoom (2:20 PM - 3:00 PM)

-Conveners: valeria rosso

time	[id] title	presenter
2:20 PM	[M145] Imaging of Biomacromolecules in Mass Spectrometry Using Timepix Detectors	Ms MATHEW, Anjusha
2:40 PM	[M143] Studies of high-field QED with the LUXE experiment at the European XFEL	BORYSOVA, Maryna

Oral presentations: ASICs 3 - Zoom (3:30 PM - 4:30 PM)

-Conveners: heinz graafsma

time	[id] title	presenter
3:30 PM	[M106] 8b 10MS/s Differential SAR ADC in 28 nm CMOS for Precise Energy Measurement	KACZMARCZYK, Piotr
3:50 PM	[M153] Timepix4, a large area pixel detector readout chip which can be tiled on 4 sides providing sub-200ps timestamp binning	LLOPART CUDIE, Xavi
4:10 PM	[M196] The MYTHEN III single photon counting detector for powder diffraction	DINAPOLI, Roberto

Thursday, July 1, 2021

Oral presentations: Applications 2 - Zoom (9:50 AM - 10:30 AM)

-Conveners: Ralf Hendrik Menk

time	[id] title	presenter
9:50 AM	[26] A Miniaturized Radiation Monitor for Continuous Dosimetry and Particle Identification in Space	Mr MALICH , Milan
10:10 AM	[15] Pioneering use of Monolithic Active Pixel Sensors in space: the HEPD tracker on the CSES-02 satellite	IUPPA, Roberto

Oral presentations: Lifetime - Zoom (11:00 AM - 12:00 PM)

-Conveners: Christer Froejd

time	[id] title	presenter
11:00 AM	[21] Radiation Damage Study of the ePix100 Detector at the European XFEL	KLACKOVA, Ivana
11:20 AM	[25] Impact of X-ray induced radiation damage on FD-MAPS of the ARCADIA project	NEUBUSER, Coralie
11:40 AM	[20] TCAD numerical simulation of irradiated thin Low-Gain Avalanche Diodes	MOROZZI, Arianna