PSD12: The 12th International Conference on Position Sensitive Detectors

Thursday 16 September 2021

Poster Session 5 (Gas-based Detectors; Medical Applications of Position Sensitive Detectors) - **Teaching and Learning Building (10:30 - 11:30)**

-**Conveners: Tony Price; Konstantinos Nikolopoulos**

time	[id] title	presenter
10:30	[70] Upgrade of the ATLAS Muon Spectrometer with high-resolution Drift Tube Chambers (sMDT) for LHC Run-3	VOEVODINA, Elena
10:31	[82] Precision tracking micro-pattern gaseous detectors at Budker INP	MALTSEV, Timofei
10:32	[90] Novel Thin-Scintillator Ion Beam Imagers	Dr FRIEDMAN, Peter
10:33	[97] Proton-range verification in proton radiation therapy using PET	Mr KLEIN, Kyle
10:34	[100] Random and scatter noise reduction in PET imaging using entangled annihilation gamma photons with Compton PET pixel detectors	KIM, Donghwan
10:35	[101] Detection module based on position-sensitive large-area Silicon photomultipliers	Dr ACERBI, Fabio
10:36	[109] The development and evaluation of Compton camera (Gri+) for medical imaging applications	ALSHAMMARI, Hamed
10:37	[117] Small-Strip Thin Gap Chambers for the Muon Spectrometer Upgrade of the ATLAS Experiment	HUANG, Xinfei
10:38	[151] CMS Improved Resistive Plate Chamber Studies in Preparation for the High Luminosity Phase of the LHC	URIBE ESTRADA, Cecilia
10:39	[192] First results of an oncological brachytherary fiber dosimeter	GIAZ, Agnese
10:40	[193] Bergen proton-CT project	EIKELAND, Viljar Nilsen
10:41	[197] Position reconstruction studies with GEM detectors and the charge-sensitive VMM3a ASIC	SCHARENBERG, Lucian
10:42	[205] A slice-test demonstrator for the upgrade of the CMS Drift Tubes at High-Luminosity LHC	BATTILANA, Carlo
10:43	[229] Panel TOF-PET imager	PESTOTNIK, Rok
10:44	[221] Recent advances in MicroScint beam profiler technology	CALDARA, Michele LECCESE, Veronica
10:45	[181] Longevity Study on the CMS Resistive Plate Chambers for HL-LHC	ALY, Reham
10:46	[128] Towards 2D Dosimetry using Monolithic Active Pixel Sensors and a Copper Grating	BECK, Lana
10:47	[35] Pixelated silicon detectors for the measurement of small radiation fields in proton therapy	WEINGARTEN, Jens
10:48	[209] A hybrid deep-learning framework based on the Wasserstein-GAN with non-subsampled contourlet transform for noise reduction in low-dose CT	KIM, Woosung
10:49	[206] ACHINOS: A multi-anode read-out for position reconstruction and tracking with spherical proportional counters	Dr KNIGHTS, Patrick Ryan

10:50	[200] Improvement of three-material decomposition in spectral mammography using non-local means denoising	LEE, Minjae
10:51	[157] Novel zigzag and diamond pattern for Micromegas and Gas-based detector	REVOLLE, Maxence
10:52	[222] Gas electron tracking detector for beta decay experiments	ROZPEDZIK, Dagmara