3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics

Thursday 27 June 2019

Thursday: Medical imaging (08:30-13:05)

-Conveners: Ewa Stępien; Michael Waligórski

time	[id] title	presenter
08:30	[115] The EXPLORER Project: Total-Body Positron Emission Tomography	CHERRY, Simon
09:05	[101] Performance characterization and human imaging experience with the long axial field-of-view PennPET Explorer Whole-body Imager	SURTI, Suleman
09:30	[62] PET2020: a one compact and cost-efficient high resolution Body PET scanner	VANDENBERGHE, Stefaan
09:55	Short break	
10:05	[171] Towards modular total-body PET from plastic scintillators	NIEDŹWIECKI, Szymon
10:25	[148] FTAB - small form factor and versatile board for J-PET detector	PAŁKA, Marek
10:45	[149] Application of innovative technologies in PET imaging	KORCYL, Grzegorz
11:05	Coffee break	
11:30	[147] Biomedical application of Positron Annihilation Lifetime Spectroscopy - in vitro studies of alive normal and cancer cell lines and tissues	KUBICZ, Ewelina
11:50	[114] The study of human tissue by the positron and positronium probes	ZGARDZIŃSKA, Bożena
12:15	[79] How to distinguish between different kind of lesions in PET scan	JASIŃSKA, Bożena
12:40	[1] Positronium imaging with total-body PET scanners	MOSKAL, Paweł

Thursday: Medical imaging (14:30-17:35)

-Conveners: Suleman Surti

time	[id] title	presenter
14:30	[160] STIR: an Open Source library for PET and SPECT image reconstruction: status and future	THIELEMANS, Kris
14:55	[150] Overview of the J-PET analysis and simulation software	KRZEMIEŃ, Wojciech
15:15	[8] GATE for medical physics, therapy and imaging. A new Compton-Camera module	ETXEBESTE, Ane
15:35	[28] 3D reconstruction of point-like sources in a J-PET scanner using total variation regularization	RACZYŃSKI, Lech
15:55	Coffee break	
16:25	[37] Single-event based TOF FBP image reconstruction in J-PET	SHOPA, Roman
16:45	[51] Investigation of the Effect of Axial Ring Splitting for Cost Reduction of Total Body PET Scanners	EFTHIMIOU, Nikos
17:05	[108] Simulating J-PET detector on NVidia Ray Tracing Hardware	BIAŁAS, Piotr

17:20	[144] A method for time calibration of PET systems using fixed beta-plus radioactive source	DULSKI, Kamil