

The Scientific Program of ACP2021

Monday, 7 March 2022

Parallel Session 3: Energy (14:30 - 15:15)

-Conveners: Robinson J. Musembi

time	[id] title	presenter
14:30	[171] Plasma Physics and Fusion Devices and an Introduction to PMI	MOHAMED, Dalia
14:45	[172] Ubuntu reactors– Modelling Nuclear Reactors with Geant4	LAASSIRI, Mounia
15:00	[173] New hybrid organic-inorganic ferrophoto voltaic perovskites nanoparticles for high voltage	NDIOUKANE, Remi

Parallel Session 3: Instrumentation & Detectors (15:15 - 16:00)

-Conveners: Paul Gueye

time	[id] title	presenter
15:15	[174] X-ray technological irradiation for TID studies on silicon sensor and electronic devices in a medical facility	DI RUZZA, Benedetto
15:38	[175] Statistical Approach for Detection of Low-Level Radioactivity	ARAHMANE, Hanan

Tuesday, 8 March 2022

Parallel Session 3: Medical Physics (14:30 - 15:45)

-Conveners: Marco Silari

time	[id] title	presenter
14:30	[176] Assessment of Neutron and Gamma Ray Dose Equivalent Rates in Medical Linear Accelerators Operating at Energies Above 10 MV	AZAIRI, Fatima
14:45	[177] A semi empirical formula for dose calculation in brachytherapy treatment and evaluation of tissue composition effect on dose distribution	HARIF, Said
15:00	[178] Dosimetric evaluation of Xio Elekta algorithm using an heterogeneous lung phantom	MAJJATE, ikram
15:15	[179] GEANT4 and SRIM evaluation of water equivalent ratio of some dosimetry materials in Carbon therapy beam	ZAHAR, Naima
15:30	[180] Development of Supervised and Unsupervised Machine Learning Algorithms for Diagnosis of Malaria Parasites in Thin Blood Smears Using Orange Software	SULEIMAN, Jamila

Parallel Session 3: Accelerators (15:45 - 16:00)

-Conveners: Marco Silari

time	[id] title	presenter
15:45	[170] Studies of an injected electron bunch into a superconducting cavity for BriXSinO's ERL	SAMSAM, Sanae

Thursday, 10 March 2022

Parallel Session 3: Engagements (14:00 - 14:45)

-Conveners: **Bertrand Tchanche Fankam**

time	[id] title	presenter
14:00	[167] Physics Masterclasses in Africa and the World	CECIRE, Kenneth William
14:17	[168] Doing Digital Offline - The CO-VIDEO Project in South Africa	FISH, Derek
14:34	[210] Physics Education Discussion	

Parallel Session 3: Medical Physics (14:45 - 15:30)

-Conveners: **Marco Silari**

time	[id] title	presenter
14:45	[161] Evaluation of whole body dose absorbed by Geant4 simulation	ETTOUFI, asmae
15:00	[162] Monte Carlo Simulation of the Biograph mCT PET scanner using GATE	EL KATIB, MAHMOUD
15:15	[216] Magnetic Resonance Brain Image Classification	HUSSAINI, Ahmed