

4th Jagiellonian Symposium on Advances in Particle Physics and Medicine

Tuesday 12 July 2022

Poster session & Coffee & Conference photo I (10:15-12:00)

time	[id] title	presenter
10:15	[336] Design and Application for a new intense positron beam at the Antimatter Laboratory in Trento	POVOLO; UNIVERSITY OF TRENTO, ITALY, Luca
10:17	[337] Calibration of Silicon Drift Detectors for the SIDDHARTA-2 Experiment	Dr KHREPTAK; NATIONAL LABORATORY OF FRASCATI (LNF), ITALY, Aleksander
10:19	[338] Monte Carlo simulation platform and software stack in Dose-3D project	HAJDUGA; AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY WFIIS, POLAND, Jakub
10:21	[339] Application of the PALS technique in the investigation of the nanostructure of enzymatic biosensor matrices for biomarkers detection in medical diagnostics	GOŹDZIUK; MARIA CURIE-SKŁODOWSKA UNIVERSITY, POLAND, Magdalena
10:23	[340] Double photon coincidence detection method for gamma-ray imaging in medicine	Dr UENOMACHI; KYOTO UNIVERSITY, JAPAN, Mizuki
10:25	[341] Intelligent data analysis for the next generation medical phantom Dose-3D	KALECIŃSKA; AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, POLAND, Kamila
10:27	[342] Silicon as a candidate for a proton beam-activated tracer for range verification in proton therapy	KOŁODZIEJ; JAGIELLONIAN UNIVERSITY, POLAND, Barbara
10:29	[343] Design of spread-out Bragg peaks in spatially fractionation proton therapy	TOBOLA-GALUS; INSTITUTE OF NUCLEAR PHYSICS POLISH ACADEMY OF SCIENCES, POLAND, Agata
10:31	[344] Angular DOI Calibration Methods towards PET In-System Calibration of (Semi-)Monolithic Scintillators	KUHL; RWTH AACHEN UNIVERSITY, GERMANY, Yannick
10:35	[346] Developing a phantom for the positronium imaging evaluation.	ŁAPKIEWICZ; JAGIELLONIAN UNIVERSITY, POLAND, Gabriela
10:37	[347] Estimation of 511 keV gamma scatter fraction in WLS layer in Total Body J-PET ; A simulation study	TAYEFI ARDEBILI; JAGIELLONIAN UNIVERSITY, POLAND, Keyvan

10:39	[348] Breast Cancer diagnosis study along with the introduction of new detection technology	JAGIELLONIAN UNIVERSITY, POLAND, Shivani;
10:41	[349] Determination of 10B concentration in melanocytes and melanoma cells	SZCZEPANEK; JAGIELLONIAN UNIVERSITY, POLAND, Monika
10:43	[350] Detection of concentration and survival of HL-60 human acute promyelocytic leukemia cells by the PALS technique	YANKOVA; MARIA CURIE-SKŁODOWSKA UNIVERSITY, POLAND, Katsiaryna
10:45	[351] Study of differences in the composition of glycosphingolipids between the extracellular vesicles from β -cell and endothelium cell lines using ToF-SIMS	Dr MARZEC; JAGIELLONIAN UNIVERSITY, POLAND, Magdalena
10:47	[357] Gold nanoparticles as contrast agents for micro-CT imaging	PANEK; JAGIELLONIAN UNIVERSITY, POLAND, Dominik
10:49	[371] Relevance of Monte Carlo simulation validation analysis in the scope of the Dose-3D project	GÓRSKA; AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, POLAND, Wioleta
10:51	[372] Assessment of the influence of the Beta parameter in the reconstruction of Q.Clear	SKÓRKIEWICZ; JAGIELLONIAN UNIVERSITY, POLAND, Konrad
10:53	[373] Measurement of correlation between polarization of annihilation photons emitted in e+e- system to detect entanglement at sub-MeV range	KUMAR; JAGIELLONIAN UNIVERSITY, POLAND, Deepak
10:55	[375] Characterization of spheroid growth based on a new dynamical model	Dr DULSKI; JAGIELLONIAN UNIVERSITY, POLAND, Kamil
10:57	[376] Characterization of the 192-strip J-PET detector for multi-photon positronium imaging	Dr DULSKI; JAGIELLONIAN UNIVERSITY, POLAND, Kamil
10:59	[377] Development of a high-resolution PET detector for small animal in-beam PET system	Dr NITTA; LUDWIG MAXIMILIANS UNIVERSITY, GERMANY, Munetaka
11:01	[379] CP Discrete Symmetry study in the decay of ortho-Positronium atom using the J-PET detector.	VALSAN ELIYAN; JAGIELLONIAN UNIVERSITY, POLAND, Kavya
11:03	[378] Towards improving the sensitivity of testing CPT symmetry in positronium decays with the Modular J-PET detector	CHUG; JAGIELLONIAN UNIVERSITY, POLAND, Neha
11:05	[381] Development of the normalization method for the Jagiellonian PET scanner	Dr COUSSAT; JAGIELLONIAN UNIVERSITY, POLAND, Aurélien