



# ANIMMA 2025

## Tuesday, June 10, 2025

### #09 - Environmental and Medical Sciences - Room 1 (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 PM	[56] #9-56 Future Trends in Nuclear Medical Imaging	LECOQ, Paul
2:20 PM	[78] #9-78 Positron Emission Tomography imaging using polarization-correlated annihilation quanta measured by single-layer Compton polarimeters	KOŽULJEVIĆ, Ana Marija
2:40 PM	[265] #9-265 Validation of a Scintillator-Based SPECT Tomographic Imaging System for Boron Neutron Capture Therapy	GHISIO, Filippo
3:00 PM	[278] #9-278 Hybrid Compton-PET imaging for ion-range monitoring in hadron therapy	BALIBREA CORREA, Javier
3:20 PM	[282] #9-282 Ultra-thin scintillator as dose monitor for pulsed proton beams at FLASH rates	SEIMETZ, Michael
3:40 PM	[284] #9-284 Progress report of a long axial FOV PET (IMAS) with TOF and DOI capabilities	GONZALEZ, Antonio J.

### #09 - Environmental and Medical Sciences - Room 3 (4:45 PM - 5:25 PM)

time	[id] title	presenter
4:45 PM	[18] #9-18 Extending Experimental Evaluation of TL and OSL Dosimeters with Monte Carlo Simulations for Enhanced Dosimetric Modeling	Dr ZIDOUH, Ibtissam Dr BELLAHSAOUIA, Meryeme Prof. CHAKIR, El Mahjoub
4:50 PM	[25] #9-25 First attempts at scalable readout electronics to efficiently exploit Cherenkov radiation in PET instrumentation	Dr GONZALEZ-MONTORO, Andrea
4:55 PM	[37] #9-37 Traceability in terms of average glandular dose to primary national references of CEA-List LNE LNHB for numerical mammography	DJAROUM, Meriem
5:00 PM	[65] #9-65 Discerning Y-90 ingrowth from Sr-90 for in-situ groundwater monitoring with the ABACUS logging probe	JOYCE, Malcolm ELÍSIO, Soraia
5:05 PM	[73] #9-73 Performance Evaluation of the Seafood Radioactivity Inspection System	Ms SHIN, Jimin
5:10 PM	[74] #9-74 The ENEA TRIGA RC-1 facility inside the SECURE project: production of medical isotopes by neutron activation	Dr SPAGNUOLO, Lucrezia
5:15 PM	[307] #9-307 Design of a new 2D amorphous Silicon-based detector for Particle Therapy	EL ACHI, Khalil
5:20 PM	[289] #9-289 Smart Brain Tumor Detection: Harnessing CNNs and Quantum Neural Networks for Improved MRI Insights	EL ASLANI, Malika

# Wednesday, June 11, 2025

## #09 - Environmental and Medical Sciences - Room 1 (9:20 AM - 11:00 AM)

time	[id] title	presenter
9:20 AM	[77] #9-77 Impact of Ultra-High Dose Rate on Water Radiolysis till Homogeneous Chemistry: A Monte Carlo Simulation Study	Mr CHAOUI, Mustapha
9:40 AM	[146] #9-146 Prompt-gamma impact localization in pure Cherenkov crystals for proton range verification	ARINO ESTRADA, Gerard
10:00 AM	[192] #9-192 Real-Time Proton Therapy Monte Carlo Simulations in Highly Parallelised Systems	GARVEY, Declan
10:20 AM	[238] #9-238 Range monitoring in proton and carbon therapy with the TIARA detector	PINSON, Maxime
10:40 AM	[287] #9-287 A proton computed tomography scanner prototype for relative stopping power mapping	NERIO AGUIRRE, Amanda Nathali

## #09 - Environmental and Medical Sciences - Room 1 (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 PM	[81] #9-81 Microdosimetry of kidney cells exposed to Am-243 and X-ray irradiation	KAHLE, Pia
2:20 PM	[104] #9-104 Use of New Pixel Detector Technology for Radiotherapy Treatment Monitoring	SOHAROVÁ, Eliska
2:40 PM	[124] #9-124 MACACO III+ characterization and tests with I-131	LLOSÁ, Gabriela
3:00 PM	[201] #9-201 The POSiCS handheld gamma-ray camera for radio-guided surgery	DELLA VOLPE, Domenico
3:20 PM	[285] #9-285 Compton imaging for dosimetry and real time monitoring in boron neutron capture therapy	TORRES-SÁNCHEZ, Pablo
3:40 PM	[290] #9-290 Development of an all-polymer air-core scintillation dosimeter for HDR brachytherapy	BOUGHABA, Nor El Houda

## #09 - Environmental and Medical Sciences - Room 4 (4:20 PM - 5:15 PM)

time	[id] title	presenter
4:20 PM	[120] #9-120 Dosimetry with a phoswich detector	ÁVILA, Nicolás
4:25 PM	[170] #9-170 Unveiling the easyPET/CT	OLIVEIRA, Regina
4:30 PM	[171] #9-171 SmartX: Advancing Darkfield X-ray Imaging for Lung Disease Detection	MOLINER, Laura
4:35 PM	[188] #9-188 Development of an X-ray fluorescence spectro-imaging instrument, based on Timepix3 counting chip, adapted for electronic waste sorting.	VAZZOLER, Aurore
4:40 PM	[257] #9-257 Toward quantitative bremsstrahlung medical imaging by custom gamma camera device	Dr CISBANI, Evaristo Dr CAPOGNI, Marco
4:45 PM	[268] #9-268 Monte Carlo simulation of dose distribution in the female thoracic region under photon irradiation for breast cancer radiotherapy	Dr CHAOUI, Ihssane

4:50 PM	[169] #9-169 Evaluation of Alpha and Lithium-7 Energy Release in BNCT using a multi-system: A Geant4 Simulation Approach	CHAREF, Khadija
4:55 PM	[269] #9-269 In-vivo imaging of Ac-225 via Compton and collimated imaging with a CZT camera	CARAVACA, Javier
5:00 PM	[299] #9-299 Advanced strategies for <sup>14</sup> C measurement in environmental monitoring	BAUDAT, Emilie
5:05 PM	[116] #9-116 Response of RPL and RADFET passive dosimeters in 6 and 7 MeV gamma field around KATANA water activation facility	GOVEKAR, Domen
5:10 PM	[280] #9-280 Experimental proof-of-concept and first field tests of the dual gamma-neutron imager GN-Vision	LERENDEGUI MARCO, Jorge

# Friday, June 13, 2025

## #09 - Environmental and Medical Sciences - Room 1 (9:20 AM - 11:00 AM)

time	[id] title	presenter
9:20 AM	[161] #9-161 Gamma ray monitors for Multimod'Air, a mobile environmental monitoring platform	Dr LIMOUSIN, Olivier
9:40 AM	[89] #9-89 A high volume radiological monitoring system capable of qualitatively and quantitatively calculating the concentration of radioactivity in air with a "ready" spectrometric emergency measurement system and a delayed measurement system for the most sensitive and precise determinations.	Mr ALTAVILLA, Massimo Mrs GATTINONI, Monica
10:00 AM	[131] #9-131 Performance evaluation and comparative analysis of new NM-2023 neutron monitors within the global cosmic ray monitoring network	ASPINALL, Michael
10:20 AM	[292] #9-292 The Radiological Emergency Program in the Valencia Region	DIAZ, Jose
10:40 AM	Empty	