



# ANIMMA 2025

## Tuesday, June 10, 2025

### #10 - Current Trends in Development of Radiation Detectors - Room 5 (4:20 PM - 5:25 PM)

time	[id] title	presenter
4:20 PM	[108] #10-108 'Pile-up' and 'dead time' corrections for digital acquisition using a Monte Carlo method	PETIT, Michaël
4:25 PM	[6] #10-6 ScintiPulses: A python package to simulate signal from scintillation detector	COULON, Romain
4:30 PM	[154] #10-154 Optimization of a Convolutional Neural Network-Based Pulse Shape Analysis Model for Gamma/Neutron Signal Discrimination	Ms SHIN, Sunlee
4:35 PM	[133] #10-133 MATRIX: GaN diode arrays for proton monitoring and imaging	BROSDA, Nico
4:40 PM	[58] #10-58 Characterization of a High Efficiency Multi-Element Neutron Dosimeter Based on Thick Gas Electron Multiplier	WANG, haoshuai
4:45 PM	[61] #10-61 Real-time gamma-neutron discrimination with a trainable polynomial kernel	HLAVINKA, Matyáš
4:50 PM	[111] #10-111 Ultra-short/Ultra-high X-ray pulse spectrometry based upon FDS/OSL spectrometer and Bayesian unfolding algorithms: assessment of ML-EM and MAP-EM algorithms for spectrum reconstruction	Mr PIEKAR, Johann
4:55 PM	[296] #10-296 TOF characterization of new MAPD-3NM-II SiPM	PINTO, Afonso X.
5:00 PM	[301] #10-301 A particle discrimination algorithm for lanthanum halide scintillators	RIGAMONTI, Davide
5:05 PM	[163] #10-163 Reconstruction of Neutron Spectra Using Silicon Carbide Detectors in Monoenergetic Fields with Machine Learning approach	BELFIORE, Enrica
5:10 PM	Empty	

# Wednesday, June 11, 2025

## **#10 - Current Trends in Development of Radiation Detectors - Room 4 (9:20 AM - 11:00 AM)**

time	[id] title	presenter
9:20 AM	[28] #10-28 Neutron instrumentation of the LFR-30: case of the ex-vessel flux monitoring system	Dr IRAZOQUI, Kévin Dr POUILLE, Quentin
9:40 AM	[64] #10-64 Fast neutron detector based on vertically aligned carbon nanotubes	Dr NIPPERT, Jean
10:00 AM	[121] #10-121 A neutron-sensitive detector based on 3D-printed scintillators and a fast optical camera.	BARR, Adam
10:20 AM	[237] #10-237 Development of a neutron spectrometer prototype: DONEUT project	LABALME, Marc
10:40 AM	[182] #10-182 Radiation effects on photosensors and electronics with impedance spectroscopy	CASOLARO, Pierluigi

## **#10 - Current Trends in Development of Radiation Detectors - Room 4 (11:20 AM - 12:40 PM)**

time	[id] title	presenter
11:20 AM	[88] #10-88 Applications of 4H Silicon Carbide Radiation Detectors in Fission and Fusion Reactor Environments	RUDDY, Frank
11:40 AM	[157] #10-157 Development and Performance Analysis of a Portable 4H-SiC-Based Spectrometer for Radiation Monitoring in Harsh Conditions	CHIERICI, Andrea
12:00 PM	[248] #10-248 Experimental analysis of Schottky-barrier SiC-detector-response to fast neutrons: comparison with Si and diamond detectors	SAGATOVA, Andrea
12:20 PM	[262] #10-262 SiC-based detectors for fast neutron measurements in a multi-energy field	POTIRON, Quentin

## **#10 - Current Trends in Development of Radiation Detectors - Room 5 (4:20 PM - 5:15 PM)**

time	[id] title	presenter
4:20 PM	[198] #10-198 Comparison Study of Multiplexed Readout Circuits for Array of Large Area SiPMs	DAVIDOV, Zohar
4:25 PM	[263] #10-263 The FPGA-controlled biasing of the photomultiplier tube based on the Cockcroft-Walton voltage multiplier	Mr ČULEN, Jiří
4:30 PM	[179] #10-179 Optimization of a VCO-Based Pixelated Particle Detector for particle discrimination and tracking	COULIÉ, Karine
4:35 PM	[178] #10-178 Neutron field spatial distribution from the DD neutron source determined by the KOSTKA experimental device	FILOVÁ, Vendula
4:40 PM	[174] #10-174 Subdividing Scintillator-based Compton Cameras with Constant Readout Channels for Improved Spatial Resolution	DAVIDOV, Zohar
4:45 PM	[227] #10-227 Enhancing Imaging Stability in Hybrid Semiconductor Detectors with CdTe sensors with Pulsed Bias Voltage Switching	SYKOROVA, Katerina
4:50 PM	[250] #10-250 Comparison of 4H-SiC Radiation Detectors based on PN junctions and Schottky contacts	KURUCOVA, Nikola

4:55 PM	[294] #10-294 Study of the time response of an undoped lanthanum chloride crystal	CABALLERO, M.
5:00 PM	[271] #10-271 High-time and energy resolution detection system for Radioactive Ion Beam Tagging and Diagnostics based on SiC detectors	GUAZZONI, Chiara
5:05 PM	[304] #10-304 Novel spectral gamma ray logger device	TOUS, Jan
5:10 PM	[305] #10-305 Thermal neutrons detectors using carbide heterostructures	FERRO, Gabriel

# Thursday, June 12, 2025

## **#10 - Current Trends in Development of Radiation Detectors - Room 4 (9:20 AM - 11:00 AM)**

time	[id] title	presenter
9:20 AM	[30] #10-30 MCNP-based study and validation of scattered neutrons for neutron metrology	DUCASSE, Quentin
9:40 AM	[95] #10-95 A Neural Network Approach for On-line Reconstruction of Bremsstrahlung Spectra Produced by Electron Accelerators	TASINATO, Lucas
10:00 AM	[110] #10-110 Ultra-short/Ultra-high X-ray pulse spectrometry based upon FDS/OSL spectrometer and Bayesian unfolding algorithms: spectrometer design and online X-ray source qualifications	MAGNE, Sylvain
10:20 AM	[129] #10-129 Unfolding method based on Artificial Neural Network. Application to a neutron activation detector dedicated to criticality and comparison with Bayesian method and simulation results	DUCASSE, Quentin
10:40 AM	[139] #10-139 Fast Simulation of Gamma Ray Logs for Uranium Exploration in Roll-Front Deposits	PELLET-ROSTAING, Arthur

## **#10 - Current Trends in Development of Radiation Detectors - Room 4 (11:20 AM - 12:40 PM)**

time	[id] title	presenter
11:20 AM	[101] #10-101 Organic Eutectics : an unexpected solution for solvent free liquid scintillators	VERGNORY, Pauline
11:40 AM	[205] #10-205 Assessment of Gamma-Ray Spectrum Transmission with Scintillator Shading Variations for Determining Minimal Transmission Diameter	ZBOŽÍNEK, Tadeáš
12:00 PM	[212] #10-212 A Novel Measurement Setup for the Data Acquisition and Evaluation for Hydrogen-Filled Proportional Detectors and Stilbene Scintillation Detectors	Mr MELZER, Vincent
12:20 PM	[221] #10-221 Study of fs-void Bragg Gratings in radiation sensitive fibers for radiation measurement purposes	SAPALY, Benjamin

# Friday, June 13, 2025

## **#10 - Current Trends in Development of Radiation Detectors - Room 4 (9:20 AM - 11:00 AM)**

time	[id] title	presenter
9:20 AM	[84] #10-84 Intelligent Dosimeter Plug for Endoscopic Sleeve in Critical Equipment Applications for Nuclear Industry	GIRARD, Sylvain
9:40 AM	[90] #10-90 Charged & Neutral Particle Tissue Equivalent Proportional Counter - A Microdosemeter with Particle Type Identification	BYUN, Soo Hyun
10:00 AM	[189] #10-189 Visible-Near Infrared Light Attenuation Measurements of Radiophotoluminescence FD7 Dosimeters irradiated with X-rays and Electrons at High Doses	RAJ MANDAL, Aditya
10:20 AM	[190] #10-190 SolarBlind: UV-imaging of alpha radioactivity with Micromegas and Timepix	GUERRA-DEVIGNE, Alice
10:40 AM	[216] #10-216 SPID-X Gamma ray imaging spectrometer performance evaluation in real conditions for the decontamination and clean-up of a LECA STAR hot cell	Mr RONNE, Kelian Mr LE BRETON, Rémy