

ANIMMA 2021

Wednesday, June 23, 2021

11 Current Trends in Development of Radiation Detectors - MERIDIAN (8:40 AM - 10:40 AM)

-Conveners: Gian-Franco DALLA BETTA; Rastislav HODÁK

time	[id] title	presenter
8:40 AM	[71] #11-71 Silicon Carbide Neutron Detectors for Harsh Nuclear Environments: A Review of the State of the Art	RUDDY, Frank H.
9:00 AM	[34] #11-34 Multitube detectors as an alternative to Uranium fission chambers for neutron beam monitoring	LAFONT, Fabien
9:20 AM	[24] #11-24 PLD-grown, isotopically enriched ¹⁰ B thin films for thermal neutron detection	QUARTA, Gianluca
9:40 AM	[216] #11-216 Experimental and Simulation Investigation of Micro- and Nano-Structure Neutron Detectors	LOGOGLU, Faruk
10:00 AM	[213] #11-213 Neutron Beam Monitoring Using Nitrogen-doped Optical Fiber	VIDALOT, Jeoffray
10:20 AM	[4] #11-4 Response of 4H-SiC Detectors to Ionizing Particles	BERNAT, Robert

11 Current Trends in Development of Radiation Detectors: Parallel Intensive Oral Sessions - MERIDIAN (4:20 PM - 5:20 PM)

-Conveners: Vladimir RADULOVIĆ; Olivier LIMOUSIN

time	[id] title	presenter
4:20 PM	[249] #11-249 Towards the experimental validation of a small Time-Projection-Chamber for the quasi-absolute measurement of the fission cross section	CHATEL, Carole
4:25 PM	[231] #11-231 Regional variation in neutron/gamma pulse-shape discrimination in an organic scintillator	COLLINS-PRICE, Patrick
4:30 PM	[220] #11-220 Neutron Measurement Using Pulse Shape Discrimination Method with 3D-Printed Plastic Scintillator	KIM, Kyungmin
4:35 PM	[188] #11-188 Scanning of a Germanium Double Sided Strip Detector	SHARMA, Arzoo
4:40 PM	[175] #11-175 Perovskite Semiconductor X-ray and Gamma Detectors	BENNETT, Stephanie
4:45 PM	[171] #11-171 Novel modular X-ray detection system based on Silicon Drift Detector	CIRRINCIONE, Daniela
4:50 PM	[111] #11-111 Neutron-Gamma Discrimination of Stilbene Crystal, ⁶ Li-doped Plastic and BC501A Liquid Scintillators-based Machine Learning and Signal Processing Techniques	CARREL, Frédéric
4:55 PM	[105] #11-105 Optimization of liquid organic scintillator composition for fast neutron spectrometry	JÁNSKÝ, Jaroslav
5:00 PM	[100] #11-100 Measurement and simulation of the new liquid organic scintillator response to fast neutrons	JÁNSKÝ, Jaroslav
5:05 PM	Empty	

Thursday, June 24, 2021

11 Current Trends in Development of Radiation Detectors - MERIDIAN (8:40 AM - 10:40 AM)

-Conveners: Ludo VERMEEREN; Stanislav POSPÍŠIL

time	[id] title	presenter
8:40 AM	[198] #11-198 A multi-scale clinical translation strategy for photon-counting CT	PICHOTKA, Martin
9:00 AM	[180] #11-180 Lead Halide Perovskite Nanocomposite Scintillators	BRADDOCK, Isabel
9:20 AM	[104] #11-104 Development of a position-sensitive fast scintillator for gamma-ray imaging application	DAS, Biswajit
9:40 AM	[236] #11-236 Large area scanning of painted arts with photon counting detectors	ZEMLICKA, Jan
10:00 AM	[45] #11-45 Development of new acquisition techniques for portable gamma-ray imaging	MONTÉMONT, Guillaume
10:20 AM	Empty	

11 Current Trends in Development of Radiation Detectors: Parallel Intensive Oral Sessions - LEO (4:20 PM - 4:45 PM)

-Conveners: Vlasios PETOUSIS; Mehdi BEN MOSBAH

time	[id] title	presenter
4:20 PM	[92] #11-92 Why the standard theory of scintillation spectrometers is needed?	SAMEDOV, Victor
4:25 PM	[85] #11-85 The effect of the aging of liquid organic scintillators used for gamma-neutron separation	JANDA, Jiří
4:30 PM	[81] #11-81 Optimal Design of Scintillator Neutron Detector	OSOVIKZY, Alon
4:35 PM	[60] #11-60 Pulse shape simulation for organic scintillation detectors using GEANT4	HOLROYD, Caroline
4:40 PM	[20] #11-20 Design of a High Energy and High Resolution detector for X-ray computed tomography	MAULIN, Maëva

Friday, June 25, 2021

11 Current Trends in Development of Radiation Detectors - MERIDIAN (8:40 AM - 10:40 AM)

-Conveners: Tahakiro MAKINO; Abdallah LYOUSSE

time	[id] title	presenter
8:40 AM	[51] #11-51 Extended sources reconstructions by means of Coded mask aperture systems and Deep learning algorithm	DANIEL, Geoffrey
9:00 AM	[246] #11-246 A High-Granularity Timing Detector for the Phase-II upgrade of the ATLAS Calorimeter system: detector concept, description and R&D and beam test results	IMAM, Hajar
9:20 AM	[238] #11-238 Design and first tests of the S ³ detector of reactor antineutrinos	SMOLEK, Karel
9:40 AM	[296] #11-296 Characterisation of Germanium Detectors in LEGEND-200	ALEXANDER, Abigail
10:00 AM	[152] #11-152 Multi-platform software suite for data acquisition and analysis with hybrid pixel detectors of the Timepix family	MANEK, Petr MEDUNA, Lukáš
10:20 AM	[128] #11-128 Analog Pulse Shape Discrimination based on Combination of Time Duration with Pulse Hight	HARN, Ron

11 Current Trends in Development of Radiation Detectors - MERIDIAN (11:00 AM - 12:40 PM)

-Conveners: Ivan STEKL; Anne-Sophie LALLEMAN

time	[id] title	presenter
11:00 AM	[101] #11-101 Progress in MEMS-based silicon radiation detectors at FBK	DALLA BETTA, Gian-Franco
11:20 AM	[127] #11-127 Spectral Resolution Enhancement of a SiPM Array-Based Radiation Detector	HARN, Ron
11:40 AM	[183] #11-183 Large Area SiPM Pixels for SPECT: from high energy astrophysics to medical imaging	GUBERMAN, Daniel
12:00 PM	[253] #11-253 Liquid Argon Instrumentation and Monitoring in LEGEND-200	SCHWARZ, Mario
12:20 PM	[259] #11-259 Josephson Travelling Wave Parametric Amplifiers for a neutrino mass measurement	VAN DE PONTSEELE, Wouter