



# ANIMMA 2021

## Tuesday, June 22, 2021

### 04 Research Reactors and Particle Accelerators - TAURUS (2:00 PM - 4:00 PM)

-Conveners: Akos HORTVATH; Paolo MUTTI

time	[id] title	presenter
2:00 PM	[173] #04-173 Progress and prospects on nuclear instrumentation development achieved through JSI – CEA collaboration	SNOJ, Luka
2:20 PM	[167] #04-167 First in-core gamma spectroscopy experiments in the zero power reactor CROCUS	PAKARI, Oskari
2:40 PM	[190] #04-190 High resolution measurements with miniature neutron scintillators in the SUR-100 zero power reactor	BRUNETTO, Edoardo Luciano
3:00 PM	[185] #04-185 Calibration of CFUL01 fission chambers in the standard neutron fields of BR1 reactor at SCK CEN	KOCHETKOV, Anatoly
3:20 PM	[184] #04-184 Local and high distance neutron and gamma measurements of fuel rods oscillation experiments	LAMIRAND, Vincent
3:40 PM	[176] #04-176 Design of a 150-miniature detectors 3D core-mapping system for the CROCUS reactor	VITULLO, Fanny

## Wednesday, June 23, 2021

### 04 Research Reactors and Particle Accelerators - TAURUS (2:00 PM - 4:00 PM)

-Conveners: Gordon Kohse; Christelle REYNARD-CARETTE

time	[id] title	presenter
2:00 PM	[80] #04-80 Sensitivity Analysis of an Advanced Measurement Method for Thermal Neutrons Absorbers Detection in Irradiated Beryllium	WROBLEWSKA, Malgorzata
2:20 PM	[126] #04-126 CEA-JSI Experimental Benchmark for validation of the modelling of neutron and gamma-ray detection instrumentation used in the JSI TRIGA reactor	FAUSSER, Clément Mr THIOLLAY, Nicolas Mr DESTOUCHES, Christophe
2:40 PM	[75] #04-75 3D thermal and radiation-matter interaction simulations of a SiC solid-state detector for neutron flux measurements in JSI TRIGA Mark II research reactor	VALERO, Valentin
3:00 PM	[37] #04-37 Numerical and experimental characterization of the neutron flux and spectra in the core of the CNESTEN's TRIGA Mark II research reactor	GHNINO, Hamza
3:20 PM	[224] #04-224 Optimization of Next-Generation Fast-Spectrum Self-Powered Neutron Detectors using Geant4	GOETZ, Kathleen
3:40 PM	[158] #04-158 Fragment production in 200MeV proton reaction on $^{232}\text{Th}$ , experimental and simulated data.	HOLOMB, Robert

### 04 Research Reactors and Particle Accelerators: Parallel Intensive Oral Sessions - TAURUS (4:20 PM - 5:20 PM)

-Conveners: Christophe DESTOUCHES; Michal KOŠTÁL

time	[id] title	presenter
4:20 PM	[276] #04-276 Characterization of the external pulsed beam at CMAM	VIÑALS, Sílvia
4:25 PM	[194] #04-194 Diamond detectors for neutron flux measurement during transient neutron flux changes	NOVAK, Ondrej
4:30 PM	[192] #04-192 Measuring gamma doses over the mGy-MGy range with a single type of TLD detector	GRUEL, Adrien
4:35 PM	[160] #04-160 Online optical refractive index measurement in research reactor core	FOURNEAU, Gary
4:40 PM	[136] #04-136 Reactor pulse operation for nuclear instrumentation detector testing – preparation of a dedicated experimental campaign at the JSI TRIGA reactor	RADULOVIĆ, Vladimir
4:45 PM	[123] #04-123 Characterization of calorimeter responses under laboratory conditions thanks to an optimized transient thermal test bench	REBAUD, Jérémy
4:50 PM	[63] #04-63 CAREDAS: a Comprehensive Architecture for a Redondant and Evolutive Data Acquisition System for JHR reactor and measuring bench for CEA Cadarache facilities	LEROUX, Fabrice
4:55 PM	[61] #04-61 PISTIL, a reactivity modulation device to probe the transfer function of the research nuclear reactor CROCUS	JIANG, Yifeng
5:00 PM	Empty	

# Thursday, June 24, 2021

## 04 Research Reactors and Particle Accelerators - AQUARIUS (2:00 PM - 4:00 PM)

-Conveners: **Patrick CALDERONI; Jan WAGEMANS**

time	[id] title	presenter
2:00 PM	[26] #04-26 JHR Irradiation Devices. Inspection Methods proposal	HILLBERG, Seppo
2:20 PM	[82] #04-82 Design of an acoustic sensor for fission gas release characterization devoted to JHR environment measurements.	BAUDRY, Florian
2:40 PM	[119] #04-119 Study review of the CALORRE differential calorimeter: definition of designs for different nuclear environments	VOLTE, Adrien
3:00 PM	[77] #04-77 Assessment of irradiation performance in the Jules Horowitz Reactor (JHR) using the CARMEN measuring device	BLANCHET, David
3:20 PM	[196] #04-196 Summary of Thermocouple Performance in the Advanced Gas Reactor Experiment AGR-5/6/7 During Irradiation in the Advanced Test Reactor	PALMER, Joe
3:40 PM	[161] #04-161 Confocal chromatic sensor for displacement monitoring in research reactor	AGOYAN, Marion

## 04 Research Reactors and Particle Accelerators: Parallel Intensive Oral Sessions - TAURUS (4:20 PM - 4:50 PM)

-Conveners: **Yves PONTILLON; Jean-yves FERRANDIS**

time	[id] title	presenter
4:20 PM	[29] #04-29 Development of an LVDT Conditioning unit for use on LVDTs in a research reactor	VAN NIEUWENHOVE, Rudi
4:25 PM	[25] #04-25 Characterization of neutron emission during pulse mode of low output electronic neutron generator	BILY, Tomas
4:30 PM	[21] #04-21 Characterization of the X-ray spectrum of a linear electron accelerator	MAULIN, Maëva
4:35 PM	[18] #04-18 C/O logging by using the associated alpha particle method: Proof of principle	BATUR, Josip
4:40 PM	[13] #04-13 Experimental study of ISHTAR thermostatic irradiation device for the MARIA research reactor	LIPKA, Maciej
4:45 PM	[8] #04-8 Investigation of pulsed fields generated by pulsed ionizing radiation generating equipment, testing of radiation measuring detectors, detection systems and simulations supporting testing	BODOR , Károly GULYÁS, Attila

# Friday, June 25, 2021

## 04 Research Reactors and Particle Accelerators - AQUARIUS (2:00 PM - 4:00 PM)

-Conveners: Vincent LAMIRAND; Christophe DESTOUCHES

time	[id] title	presenter
2:00 PM	[102] #04-102 Measurement of prompt gamma field above the VR-1 water level	CZAKOJ, Tomáš
2:20 PM	[97] #04-97 CABRI test events monitoring through three measurement systems	GRANDO, Quentin MIROTTA, Salvatore
2:40 PM	[109] #04-109 Development of a wideband current amplifier dedicated to Fission Chamber measurement	BISIACH, Danilo
3:00 PM	[90] #04-90 New Neutron Imaging Facility development at the Penn State Breazeale Nuclear Reactor	KENGES, Alibek
3:20 PM	[36] #04-36 Some Considerations on The Energy Deposition During a Ria Transient Based on Monte Carlo Simulations	BARTOS, Julia
3:40 PM	Empty	