

ANIMMA 2025

Tuesday, June 10, 2025

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

time	[id] title	presenter
2:00 PM	[52] #4-52 Experimental investigation of the VENUS-F core model underestimation of the fast neutron spectrum component	GRIMALDI, Federico
2:20 PM	[60] #4-60 SiC neutron detectors for subcritical system monitoring and education applications	RADULOVIĆ, Vladimir
2:40 PM	[153] #4-153 Development of a High-Resolution Neutron Detector for the SAM Instrument at ILL Using 6Li Scintillator Glass and SiPM Technology	MUTTI, Paolo VAN ESCH, Patrick
3:00 PM	[85] #4-85 Reactor test of beryllium as self-powered neutron detector emitter for fast neutron flux measurement	BARBOT, Loic
3:20 PM	[240] #4-240 SiC Timepix3 Detectors: Characterizing Wide Energy Ranges of Various Particle Types Produced in Medical Accelerators	OANCEA, Cristina
3:40 PM	[208] #4-208 Evaluation of 4H-SiC based sensor performances for thermal neutron flux measurements in nuclear power reactor fission facilities	LLIDO, Olivier

#04 - Research Reactors and Particle Accelerators - Room 2 (4:20 PM - 5:10 PM)

time	[id] title	presenter
4:20 PM	[15] #4-15 Interest of optimizing the response of a high-temperature ultrasonic transducer by integrating a porous aluminum backing element for detection of structures immersed in liquid sodium.	Dr FERRANDIS, Jean-Yves
4:25 PM	[32] #4-32 Preliminary Study on Joint Imaging Detection Technology of Wide Energy Zone n/ gamma ray Based on Research Reactor	WANG, Sheng
4:30 PM	[36] #4-36 NEREA: a Python package for expedite Neutron Energy-integrated Reactor Experiment Analysis	GRIMALDI, Federico
4:35 PM	[75] #4-75 From Prototype to Production: Industrialization and Application of the Libera MONACO 3 Neutron Flux Monitoring System	BISIACH, Danilo
4:40 PM	[92] #4-92 Irradiation Rig Design and Preliminary Dosimetry Experiment for CORANI Phase 1 at HANARO Reactor	PARK, Junesic
4:45 PM	[96] #4-96 Design and development of a high-temperature irradiation facility in the JSI TRIGA reactor	AMBROŽIČ, Klemen
4:50 PM	[114] #4-114 Understanding the origins of the Signal-to-Noise Ratio of CABRI hodoscope	Mr CHEVALIER, Vincent
4:55 PM	[117] #4-117 Photon flux characterization of a 15 MeV electron linear accelerator in the CINPHONIE irradiation facility	Dr GESLOT, Benoit
5:00 PM	[136] #4-136 Characterization of low output portable neutron generators operated at FNSPE CTU in Prague	BILY, Tomas
5:05 PM	[142] #4-142 Measurement of the Thermal Neutron Fluence Rate in the Instrument Thimble 11 Position in the Advanced Test Reactor Critical	OTTAWAY, Dani

Wednesday, June 11, 2025

#04 - Research Reactors and Particle Accelerators - Room 2 (9:20 AM - 11:00 AM)

time	[id] title	presenter
9:20 AM	[29] #4-29 Results of South East Flux Trap Dosimetry Measurements for the Advanced Test Reactor Critical Facility in support of Advanced Sensors and Instrumentation Development	REICHENBERGER, Michael
9:40 AM	[112] #4-112 Assessment of Thin Plastic Scintillation Detectors to Improve Fission-Product Beta-Particle Measurements for the Advanced Test Reactor Critical Facility Power Distribution Measurements	Dr MCCARY, Kelly
10:00 AM	[164] #4-164 Computational Evaluation of JSI TRIGA Fuel Burnup Effects on Neutron Activation Dosimetry	PUNGERČIČ, Anže
10:20 AM	[213] #4-213 Characterization of thermal and epithermal contributions in a neutron field using Neutron Activation Analysis, the NFM detector, and MCNP simulations	MOBIO, Enya
10:40 AM	[218] #4-218 Distributed Fiber Optic Dosimetry using a multi-wavelength Optical Time Domain Reflectometer	MORANA, Adriana

#04 - Research Reactors and Particle Accelerators - Room 2 (11:20 AM - 12:40 PM)

time	[id] title	presenter
11:20 AM	[103] #4-103 In-core Gamma and Neutron Irradiation of Glass Samples used in the Design of Optical Sensors for Pressurized Water Research Reactors	AGOYAN, Marion
11:40 AM	[106] #4-106 Mixed Neutron and Gamma radiation effects on Optical Fibers performed at CERN's n_TOF NEAR irradiation station	PERROT, Jérémy
12:00 PM	[115] #4-115 Characterization of optical components dedicated to optical fission chamber in nuclear environment	POURADIER DUTEIL, Marc
12:20 PM	[177] #4-177 Report on TESCA irradiation of optical sensors and tests of glasses	Mr CHEYMOL, Guy

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

time	[id] title	presenter
2:00 PM	[86] #4-86 Measurement and estimation of secondary neutrons in so-called 'monoenergetic' fields. Routine measurement implementation on AMANDE facility by the time-of-flight method	QUEVAUVILLERS, Diane
2:20 PM	[172] #4-172 Development of a Time-of-Flight Spectrometer for Characterizing a 30-MeV Cyclotron-based Quasi-monoenergetic Neutron Beam	Mr LIN, Tzu-Hsiang
2:40 PM	[215] #4-215 Application of Unfolding Methods on Thermal Neutron Data Measured with a Single-Chopper Time-of-Flight Setup	MELZER, Vincent
3:00 PM	[226] #4-226 Development of a high resolution cavity beam position monitor for the ILC Main Linac	PEDRAZA, Laura Karina
3:20 PM	[276] #4-276 News of the European Spallation Neutron Source, ESS, Radioactive Waste Management	TIETZE-JAENSCH, Holger

3:40 PM	[99] #4-99 Investigation of AISI 316L oxide film formation under PWR PW conditions using Electrochemical Noise (EN)	RAMOUTSAKIS, Emmanouil
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#04 - Research Reactors and Particle Accelerators - Room 1 (4:20 PM - 4:35 PM)

time	[id] title	presenter
4:20 PM	[147] #4-147 Phenomenological Analysis on 1,000 μ Material Irradiation Testing in HANARO using the Instrumented-Capsule(15M-03K)	KIM, Jong Woo
4:25 PM	[158] #4-158 Predicting neutron noise detector responses for zero-power Molten Salt Reactor experiments	PAKARI, Oskari
4:30 PM	[159] #4-159 Direct Observation of Xenon-135 Poisoning in a Zero-Power Reactor via Gamma Spectroscopy	PAKARI, Oskari

#04 - Research Reactors and Particle Accelerators - Room 2 (4:20 PM - 5:15 PM)

time	[id] title	presenter
4:20 PM	[186] #4-186 Gamma and neutron dose rate measurements around the KATANA water activation loop at JSI TRIGA reactor	KOTNIK, Domen
4:25 PM	[191] #4-191 TRIPOLI-4 model of the JSI TRIGA Mark II reactor applied to experimental fission chamber neutron profiles measurements	BARBOT, Loic
4:30 PM	[195] #4-195 Multi-Particle irradiation of CubeSat components using the ENEA Distributed Facility: Experimental Setup and Radiation Response Analysis	CROIA, Michele
4:35 PM	[203] #4-203 Development of the pile oscillation method for the determination of integral cross section data at the AKR-2 training and research reactor	KNOSPE, Alexander
4:40 PM	[214] #4-214 The basis for a feasibility study for a high-power cyclotron to be used as a multi-purpose irradiation facility	RAGONESI, Giuseppe CROIA, Michele
4:45 PM	[230] #4-230 Characterization of the neutron field of a proton accelerator using Monte Carlo simulation and gamma spectrometry-SSNTD measurements	COLLIN, Jonathan
4:50 PM	[232] #4-232 Sensitivity analysis of a current-mode micro ionisation chamber for IFMIF-DONES under pulsed beam conditions in LIPAc Accelerator	ARAYA CARMONA, Pablo
4:55 PM	[236] #4-236 Single crystal diamond detector of fast neutrons generated by D-T nuclear reaction	Dr ZATKO, Bohumir
5:00 PM	[249] #4-249 Techniques for Accurate Energy Calibration in Reactor Neutrino Detectors	Dr EL ATMANI, Ilham
5:05 PM	[261] #4-261 Characterization of the fast neutron source facility at STU	LULEY, Jakub
5:10 PM	[273] #4-273 Do Not Throw Away Old HPGe!	ZIEMBA, Maciej

Thursday, June 12, 2025

#04 - Research Reactors and Particle Accelerators - Room 2 (9:20 AM - 11:00 AM)

time	[id] title	presenter
9:20 AM	[231] #4-231 Nuclear heating rate measurement in the MIT research reactor using a new compact CALORRE differential calorimeter	REYNARD-CARETTE, Christelle
9:40 AM	[181] #4-181 Design of a Liquid Neutron Filter Device at the JSI TRIGA Reactor for Fission Rate Measurements under Simulated High-Temperature Conditions	LEVPUŠČEK, Blaž
10:00 AM	[165] #4-165 A step-by-step approach to validate a new thin-film deposited heating element integrated into a calorimeter from laboratory to irradiation conditions in the JSI TRIGA reactor	VOLTE, Adrien
10:20 AM	[160] #4-160 Test of fission chambers at high temperature in the OSU Research Reactor	DE IZARRA, Grégoire
10:40 AM	[27] #4-27 EU OFFERR Project IRRADCOEFH Gamma Tolerance Test of Thermal COEFH Innovative Sensor	Mr BRAILLARD, Olivier Mr GAILLOT, Stephane

#04 - Research Reactors and Particle Accelerators - Room 2 (11:20 AM - 12:40 PM)

time	[id] title	presenter
11:20 AM	[48] #4-48 Validation of an acoustic sensor for characterizing fission gas releases under harsh conditions up to 350°C and 120 bar, for integration in experimental loops at the Jules Horowitz reactor.	Dr BAUDRY, Florian
11:40 AM	[183] #4-183 Acoustic Microscopy Sensor to Estimate the Water-Channel Thickness in a Research Reactor Spent Fuel Element	Prof. LE CLEZIO, Emmanuel
12:00 PM	[180] #4-180 Design and testing of a fiber-coupled fast neutron scintillation detector for low-power research reactors	DUPONT BEMBINOFF, Alexis
12:20 PM	[255] #4-255 Experiment and sensor design of an in-core thermal conductivity measurement of metallic fuel	FLEMING, Austin

#04 - Research Reactors and Particle Accelerators - Room 2 (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[168] #4-168 Design of oscillation experiments at the VENUS-F zero power reactor	DI CROCE, Federico
2:20 PM	[126] #4-126 3D flux measurements of pile-oscillation: initial results of the BLOOM program in CROCUS using the SAFFRON detector array	LIGONNET, Thomas
2:40 PM	[119] #4-119 Modern Measurements of Fission Reactor Power Spectral Density	CAULIER, Gilles Mr BOFFY, ROMAIN
3:00 PM	[109] #4-109 HONEY: High-Resolution Reactor Kinetics experiments in the CROCUS reactor	MONTECCHIO, Cecilia
3:20 PM	[94] #4-94 AlphaBeast: a CMOS-based neutron counter for radiation protection	GARCIA GARCIA, Lucia Victoria

Friday, June 13, 2025

#04 - Research Reactors and Particle Accelerators - Room 2 (9:20 AM - 11:00 AM)

time	[id] title	presenter
9:20 AM	[167] #4-167 Update status of the CABRI research reactor	Dr GOOSSENS, Jean Paul
9:40 AM	[260] #4-260 Simultaneous Analysis of Noise Detectors and Spectroscopy of a Low-power Experiment (SANDcaStLE)	DARBY, Flynn
10:00 AM	[137] #4-137 Subcritical Neutron and Gamma Noise Measurements at the Seven Percent Critical Experiment (7uPCX)	KOSTELAC, Cole
10:20 AM	[302] #4-302 Development of a wireless transmitter for in-core monitoring of reactor irradiation experiments	FEDOROV, Alexander
10:40 AM	[79] #4-79 COLIBRI Phase 2 – Experimental study of fuel rods vibration in 3D using the SAFFRON core mapping array in CROCUS	LAMIRAND, Vincent