

TOPICS PRELIMINARY SCIENTIFIC PROGRAMME

Tuesday, June 24th

	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7
M1	Nuclear reactors NR-S1D1M1	Facilities FA-S2D1M1	Dissemination and processing DP-S3D1M1	Detectors & Techniques DT-S4D1M1	Standards ST-S5D1M1	Neutrinos NE-S6D1M1	Medical Applications MA-S7D1M1
M2	Nuclear reactors NR-S1D1M2	Uncertainties & validation UV-S2D1M2	Dissemination and processing DP-S3D1M2	Astrophysics AP-S4D1M2	Nuclear Structure NS-S5D1M2	Neutrinos NE-S6D1M2	Detectors & Techniques DT-S7D1M2
A1	Nuclear reactors NR-S1D1A1	Uncertainties & validation UV-S2D1A1	Medical Applications MA-S3D1A1	Astrophysics AP-S4D1A1	Nuclear Structure NS-S5D1A1	Fusion FU-S6D1A1	Detectors & Techniques DT-S7D1A1
A2	Nuclear reactors NR-S1D1A2	Uncertainties & validation UV-S2D1A2	Medical Applications MA-S3D1A2	Astrophysics AP-S4D1A2	Nuclear Structure NS-S5D1A2	Fusion FU-S6D1A2	

Wednesday, June 25th

	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7
M1	Nuclear reactors NR-S1D2M2	Uncertainties & validation UV-S2D2M2	Reaction Measurements RM-S3D2M1	Fission Yields FY-S4D2M1	Evaluation EV-S5D2M1	Dissemination and processing DP-S6D2M2	Detectors & Techniques DT-S7D2M1
M2	Nuclear reactors NR-S1D3M2	Uncertainties & validation UV-S2D2M2	Nuclear Theory NT-S3D2A1	Fission Yields FY-S4D2M2	Astrophysics AP-S5D2M2	Dissemination and processing DP-S6D2M2	Thermal scattering TS-S7D2M2
A1	Medical Applications MA-S1D2A1	Facilities FA-S2D2A2	Nuclear Theory NT-S3D2A1	Nuclear Structure NS-S4D2A2	Astrophysics AP-S5D2A1	Reaction Measurements RM-S6D2A1	Thermal scattering TS-S7D2A1
A2	Medical Applications MA-S1D2A2	Facilities FA-S2D2A2	Monte Carlo simulation MC-S3D2A2	Nuclear Structure NS-S4D2A2		Reaction Measurements RM-S6D2A2	Thermal scattering TS-S7D2A2

16TH NUCLEAR DATA

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Thursday, June 26th

	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
M1	Nuclear reactors NR-S1D3M2	Uncertainties & validation UV-S2D3M1	Reaction Measurements RM-S3D3M1	Fission Yields FY-S4D3M2	Evaluation EV-S5D3M2	Criticality safety CS-S6D3M1
M2	Nuclear reactors NR-S1D3M2	Uncertainties & validation UV-S2D3M2	Reaction Measurements RM-S3D3M2	Fission Yields FY-S4D3M2	Evaluation EV-S5D3M2	Criticality safety CS-S6D3A1
A1	Medical Applications MA-S1D3A2	Uncertainties & validation UV-S2D3A2	Reaction Measurements RM-S3D3A2	Nuclear Theory NT-S4D3A2	Machine learning ML-S5D3A2	Criticality safety CS-S6D3A1
A2	Medical Applications MA-S1D3A2	Uncertainties & validation UV-S2D3A2	Reaction Measurements RM-S3D3A2	Nuclear Theory NT-S4D3A2	Machine learning ML-S5D3A2	Evaluation EV-S6D3A1
A2	Medical Applications MA-S1D3A2	Uncertainties & validation UV-S2D3A2	Reaction Measurements RM-S3D3A2	Nuclear Theory NT-S4D3A2	Machine learning ML-S5D3A2	Evaluation EV-S6D3A1



SESSION 1

				Tuesday, June 24th					Wednesday, June 25th					Thursday, June 26th				
Start	Start	Stop	Duration	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code
M1	9:00	9:20	0:20	146	50Cr and 53Cr (n,γ) cross sections measurements at n_TOF and HISPA-NoS	Pablo Pérez Maroto	NR - Nuclear reactors	NR-S1D1M1	317	Recent Fission Neutron Spectra Measurements with Chi-Nu at LANSCE	Matthew Devlin	NR - Nuclear reactors	NR-S1D2M1	178	Neutron inelastic cross section measurements on 14N at GELINA	Andreea Oprea	NR - Nuclear reactors	NR-S1D3M1
	9:20	9:40	0:20	45	151Sm neutron-induced capture cross section measurement with DANCE	Esther Leal Cidoncha	NR - Nuclear reactors	NR-S1D1M1	264	Measurement of the 235,238U(n, f) cross-sections relative to n-p scattering in 10-100 MeV range at CSNS Back-n facility	Yonghao Chen	NR - Nuclear reactors	NR-S1D2M1	134	238U(n, xng) measurements at the new SPIRAL2/NFS facility	Maëlle Kerveno	NR - Nuclear reactors	NR-S1D3M1
	9:40	9:55	0:15	217	Neutron capture measurement data of 166Er using n_TOF facility at CERN	Rudra Narayan Sahoo	NR - Nuclear reactors	NR-S1D1M1	394	New measurement of the 235U(n, f) cross section relative to the standard 10B(n,α) reaction with Micromegas detectors at the CERN n_TOF facility	Veatriki Michalopoulou	NR - Nuclear reactors	NR-S1D2M1	261	Improvement of the 238U level scheme using γ-γ-coincidences spectroscopy	Carole Chatel	NR - Nuclear reactors	NR-S1D3M1
	9:55	10:10	0:15	239	High precision 209Bi(n,γ) cross section measurement at n_TOF EAR2.	Gabriel de la Fuente Rosales	NR - Nuclear reactors	NR-S1D1M1	225	Measurement of 242Pu(n, f) in the [1;2MeV] energy range	Ludovic MATHIEU	NR - Nuclear reactors	NR-S1D2M1	524	Time-of-flight neutron-induced reaction cross section measurements on natCu at the GELINA facility	Maria Diakaki	NR - Nuclear reactors	NR-S1D3M1
	10:10	10:25	0:15	285	Measurement of the neutron radiative capture cross section of 209Bi	Song FENG	NR - Nuclear reactors	NR-S1D1M1	422	First results of the 243Am(n, f) cross section measurement at the n_TOF facility at CERN	Nikolaos Kyritsis	NR - Nuclear reactors	NR-S1D2M1	136	Neutron-induced inelastic cross sections on 40Ca measured at GELINA	Boromiza Marian	NR - Nuclear reactors	NR-S1D3M1
	10:25	10:40	0:15	626	209Bi and 206Pb transmission measurements at GELINA	Pablo Romojaro	NR - Nuclear reactors	NR-S1D1M1						114	Measurement of the 19F neutron inelastic scattering cross section	Jisk Knijpstra	NR - Nuclear reactors	NR-S1D3M1
				Coffee break					Coffee break					Coffee break				
M2	11:10	11:30	0:20	102	Cross-section measurements of the Pu-239 neutron capture and fission at the ne_TOF time-of-flight facility at CERN	Adrian Sanchez Caballero	NR - Nuclear reactors	NR-S1D1M2	679	Prompt fission neutron spectra and multiplicities of U-238(n, f)	Julien Taieb	NR - Nuclear reactors	NR-S1D2M2	48	An update on the inelastic measurements on 56Fe	Alexandru Negret	NR - Nuclear reactors	NR-S1D3M2
	11:30	11:50	0:20	108	239Pu + n measurement at DICER using an isotopically pure sample	Thanos Stamatopoulos	NR - Nuclear reactors	NR-S1D1M2	466	Prompt neutron multiplicity measurement in the resolved resonance region of the 239Pu(n, f) reaction with the SCINTIA device	Olivier Serot	NR - Nuclear reactors	NR-S1D2M2	95	Shaping Nuclear Data: The influence of GAINS spectrometer on evaluation	Adina Coman	NR - Nuclear reactors	NR-S1D3M2
	11:50	12:05	0:15	15	Measurement of the Pu-239(n, f)/U-235(n, f) Cross Section Ratio with the fission Time Projection Chamber	Lucas Snyder	NR - Nuclear reactors	NR-S1D1M2	640	Measurement of Doppler Effect for Metallic Fuel Alloy Nb Using Pulsed Neutron Source	Yoshiyuki Takahashi	NR - Nuclear reactors	NR-S1D2M2	287	Measurement of Differential Cross Sections for Neutron and Gamma-Ray Emission in the (n,n'γ) Reaction Induced by 14.1 MeV Neutrons on Carbon Nuclei	Dimitar Grozdanov	NR - Nuclear reactors	NR-S1D3M2
	12:05	12:20	0:15	43	Study of uranium 238 fast-neutron induced fission	Gilbert Belier	NR - Nuclear reactors	NR-S1D1M2						290	Fast-neutron induced transmission of nat-Zr	Arnd Junghans	NR - Nuclear reactors	NR-S1D3M2
	12:20	12:35	0:15	425	Measurement of the 233U(n, f) cross-section in the MeV region using Micromegas detectors	Maria Diakaki	NR - Nuclear reactors	NR-S1D1M2						386	Results of the measurement of the 167Er(n, γ) cross-section at n_TOF, CERN	Victor Alcayne Aicua	NR - Nuclear reactors	NR-S1D3M2
	12:35	12:50	0:15	220	Study of the 234U(n, f) cross-section in the 450-900 keV energy range using Micromegas detectors	Michael Kokkoris	NR - Nuclear reactors	NR-S1D1M2										
				Lunch break					Lunch break					Lunch break				
	14:20	14:40	0:20	79	Quasi-differential neutron scattering in the keV energy range	Yaron DANON	NR - Nuclear reactors	NR-S1D1A1	180	Study of photon- and neutron-induced reactions of medical interest at JRC Geel	Andrea Tsinganis	MA - Medical applications	MA-S1D2A1	451	Cross-sections measurements of alpha particles induced reactions on natural europium target for the production of theranostic terbium radioisotopes	Michele Colucci	MA - Medical applications	MA-S1D3A1
	14:40	14:55	0:15	215	Experimental study of neutron scattering cross sections and angular distributions on 56Fe	Georgios Gkatis	NR - Nuclear reactors	NR-S1D1A1	148	Production Cross Section Measurements of the natNi(d, x)61Cu Reaction.	Laurine Puren	MA - Medical applications	MA-S1D2A1	432	Nuclear excitation functions for medical isotope production: targeted radionuclide therapy via natIr(d, x)193mPt.	Hannah Lovise Okstad Ekeberg	MA - Medical applications	MA-S1D3A1

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A1	14:55	15:10	0:15	63	A methodology for measuring the neutron fluence exposure of Zirconium-based reactor components	Oksana Shiman	NR - Nuclear reactors	NR-S1D1A1	186	Optimizing ¹⁶¹ Ho Production for Preclinical Applications: Cross-section and Yield Measurements Using Proton Beams	Edoardo Renaldin	MA - Medical applications	MA-S1D2A1	544	Recent developments in measurement and modelling of thermal neutron cross sections of hydrogen-rich materials	Margherita Simoni	MA - Medical applications	MA-S1D3A1
	15:10	15:25	0:15	619	Measurement of ³⁵ Cl(n,p) cross section in the energy range 0.5 – 5 MeV	Daniel Smith	NR - Nuclear reactors	NR-S1D1A1	255	Nuclear excitation functions for natZr(d,x) reactions with focus on the PET/theranostic candidate ⁸⁶ Y	Elise Malmer Martinsen	MA - Medical applications	MA-S1D2A1	439	Optimizing Nuclear Cross-Section Data for ⁴⁷ Sc Production Using Genetic Algorithms	Luciano Canton	MA - Medical applications	MA-S1D3A1
	15:25	15:40	0:15	68	Measurement and analysis of the neutron total and capture cross-sections of natEr at the ANNRI beamline of J-PARC	Gerard Rovira	NR - Nuclear reactors	NR-S1D1A1	26	Studies of natGd(p,x) nuclear reaction cross-sections for optimized production of theranostic ¹⁵⁵ Tb radionuclide via AVF cyclotron	Mayeen Uddin Khandaker	MA - Medical applications	MA-S1D2A1	438	Modeling Production of Medical Terbium Radioisotopes with Nuclear-Reaction Codes	Francesca Barbaro	MA - Medical applications	MA-S1D3A1
	15:40	15:55	0:15						454	Nuclear Data of Radiolanthanides for Astrophysics and Nuclear Medicine	Zeynep Talip	MA - Medical applications	MA-S1D2A1					
15:55			16:25	0:30	Coffee break				Coffee break				Coffee break					
A2	16:25	16:45	0:20	602	Measurement of the U-238(n,γ) cross section at n_TOF	Emilio Mendoza Cembranos	NR - Nuclear reactors	NR-S1D1A2	32	The Proton Activation Data File PADF-2	Alexander Konobeev	MA - Medical applications	MA-S1D2A2	421	Measurement of the ³⁵ Cl(n,p) ³⁵ S cross-section at CERN facility n_TOF EAR2 from subthermal energy to resonance region.	Marco Antonio Martínez Cañadas	MA - Medical applications	MA-S1D3A2
	16:45	17:00	0:15	76	Transmission, Neutron Radiative Capture Yield Measurements, and a New Resolved Resonance Region Evaluation for Fe54	Sukhjinder Singh	NR - Nuclear reactors	NR-S1D1A2	70	Double differential cross section of Al(p,xp) reaction in the kinetic energy region between 0.4 and 3 GeV	Shin-ichiro Meigo	MA - Medical applications	MA-S1D2A2	618	Benchmark of Geant4 hadronic models for secondary particles production in carbon-therapy	Vanstalle Marie	MA - Medical applications	MA-S1D3A2
	17:00	17:15	0:15	530	High energy neutron capture cross-section measurement of ⁹⁹ Tc	Maxwell Maloney	NR - Nuclear reactors	NR-S1D1A2	130	Measurement of differential cross sections of ¹⁴ N(n, p) ¹⁴ C reaction in the 0.1-6.0 MeV energy region	Wei Jiang	MA - Medical applications	MA-S1D2A2	537	The FOOT Experiment: Nuclear Fragmentation Reaction Cross Sections for Hadrontherapy and Radioprotection	Roberto Zarrella	MA - Medical applications	MA-S1D3A2
	17:15	17:30	0:15	288	Measurement of the thermal neutron capture cross-section on ⁹⁴ Zr, ⁹⁸ Mo and ¹⁸⁶ W	ALIREZA JOKAR	NR - Nuclear reactors	NR-S1D1A2	133	Proof-of-principle experiment for the measurement of Double-Differential Cross Sections of light charged-particle emission induced by high-energy neutrons on carbon	Augusto Di Chicco	MA - Medical applications	MA-S1D2A2	18	Optimization of ¹⁵⁵ Tb production via ¹⁵⁵ Gd(p,n) ¹⁵⁵ Tb for medical applications	Morgane Boutecculet	MA - Medical applications	MA-S1D3A2
	17:30	17:45	0:15	621	New high-resolution measurement of ⁵⁶ Fe(n, γ) at n_TOF-EAR1 for Nuclear Technology	Aparna Basavaraja Allannavar	NR - Nuclear reactors	NR-S1D1A2	406	Measurement of production cross sections for the proton induced reactions on natural iron in the energy region up to 100 MeV	Sung-Chul YANG	MA - Medical applications	MA-S1D2A2	131	Optimized Production and Purification of High-Purity Pb-203 for Theranostic Applications Using Enriched Tl-205 Targets	Thomas Sounalet	MA - Medical applications	MA-S1D3A2
	17:45	18:00	0:15	308	Cross Section Measurements and Theoretical Study of Neutron Induced Reactions on Mo Isotopes	Rosa Vlastou	NR - Nuclear reactors	NR-S1D1A2	414	Prompt Gamma-Ray Yield Measurements for Treatment Verification in Proton Therapy	Konstantin Urban	MA - Medical applications	MA-S1D2A2	646	Range monitoring in protontherapy using prompt-gamma radiation from contrast agents	Victor Valladolid Onecha	MA - Medical applications	MA-S1D3A2
18:00			19:30	1:30	Poster session				Poster session				Poster session					

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SESSION 2

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Start	Start	Stop	Duration	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code
M1	9:00	9:20	0:20	547	A Free-Neutron Target for Cross-Section Measurements of Radioactive Ions in Storage Rings	Ariel Tarifeno-Saldivia	FA - Facilities	FA-S2D1M1	420	Combining energy dependent and integral data measurements for application specific resonance parameters of Uranium and Analysing Differences of Evaluated Nuclear Data for 235U, 238U, and 239Pu in the Fast Energy Region with a Focus on Angular Distributions	Mathieu Hursin	UV - Uncertainties & validation	UV-S2D2M1	115	Chlorine Validation Through Novel Integral Critical Experiments	Eric Aboud	UV - Uncertainties & validation	UV-S2D3M1
	9:20	9:40	0:20	373	First Beam Commissioning for Neutron Production at the RAON Facility	Geonhee Oh	FA - Facilities	FA-S2D1M1	389	the MOX burnup benchmark case BM5 using SANDY	Oscar Cabellos	UV - Uncertainties & validation	UV-S2D2M1					
	9:40	9:55	0:15	126	Fixing the reactor-relevant 135Xe(n,gamma) reaction cross section with the beta-Oslo method.	Darren Bleuel	FA - Facilities	FA-S2D1M1	77	Method to Isolate Scattering and Fission Contributions from a 235U Quasi-Differential Time-of-Flight Measurement	Luca Fiorito	UV - Uncertainties & validation	UV-S2D2M1	240	Nuclear Data Sensitivity Analysis of Key Parameters for eVinci-like Heat Pipes Nuclear Microreactors	Ismael Manzano Romero	UV - Uncertainties & validation	UV-S2D3M1
	9:55	10:10	0:15	541	Neutron field of cyclotron-based p(27)+Be fast neutron source at NPI Rez	Milan Stefanik	FA - Facilities	FA-S2D1M1	62	New Quasi-Differential Neutron Scattering of Tantalum and Fluorine from 0.65 to 20 MeV	Adam Daskalakis	UV - Uncertainties & validation	UV-S2D2M1	608	Fast-reactor neutron sources in evaluated nuclear data library validation	Aaron Hurst	UV - Uncertainties & validation	UV-S2D3M1
	10:10	10:25	0:15	520	Initial progress towards direct measurement of neutron-induced reactions in inverse kinematics with the Neutron Target Demonstrator	Juan Manfredi	FA - Facilities	FA-S2D1M1	81	Impact of Iron-56 Covariance Data on Reactor Vessel Fluence Predictions: A Comparative Analysis	Gregory Siemers	UV - Uncertainties & validation	UV-S2D2M1	616	On the verification of state-of-the-art nuclear data evaluations for a LFR	Pablo Romojaro	UV - Uncertainties & validation	UV-S2D3M1
	10:25	10:40	0:15	163	A new high-intensity beamline for nuclear data research at the JRC's MONNET accelerator	Cristiano Lino FONTANA	FA - Facilities	FA-S2D1M1	93		Juan Antonio Monleon de la Lluvia	UV - Uncertainties & validation	UV-S2D2M1	436	Computing nuclear-data-induced uncertainties in fixed-source quantities using the MCNP PERT and FSEN card capabilities.	Alexander R. Clark	UV - Uncertainties & validation	UV-S2D3M1
10:40				Coffee break					Coffee break					Coffee break				
M2	11:10	11:30	0:20	172	Impact of nuclear data on advanced reactors key metrics	Germina Procop	UV - Uncertainties & validation	UV-S2D1M2	311	Sensitivity-based trend analysis of the CENDL-3.2 criticality benchmarking results	Haicheng WU	UV - Uncertainties & validation	UV-S2D2M2	208	Impact of Thermal Neutron Induced Fission Product Yields Evaluations on LWR Calculation Outcomes	David BERNARD	UV - Uncertainties & validation	UV-S2D3M2
	11:30	11:50	0:20	674	Nuclear data uncertainty propagation to the VENUS-F measurements: a multiple-core study	Federico Grimaldi	UV - Uncertainties & validation	UV-S2D1M2	237	Nuclear data sensitivity and uncertainty study of copper-reflected integral experiments VALIDATION OF THE ENDF/B-VIII.1	Jesson Hutchinson	UV - Uncertainties & validation	UV-S2D2M2	457	Lilith: A New Plutonium Critical Assembly	George Mckenzie	UV - Uncertainties & validation	UV-S2D3M2
	11:50	12:05	0:15	372	Neutronics effect of NaCl in the VENUS-F fast reactor	Antonin Krasa	UV - Uncertainties & validation	UV-S2D1M2	475	NUCLEAR DATA LIBRARY IN GNDS FORMAT WITH METIS	Marie-Anne Descalle	UV - Uncertainties & validation	UV-S2D2M2	575	Assessment of the effect of chlorine insertion in the LR-0 reference neutron field on neutron transport	Tomas Peltan	UV - Uncertainties & validation	UV-S2D3M2
	12:05	12:20	0:15	157	Sensitivity and uncertainty analysis of nuclear systems under Euratom APRENDE project	Vicente Bécares-Palacios	UV - Uncertainties & validation	UV-S2D1M2	57	Application of NECP-SOUL in Nuclear Data Adjustment for Fast Reactor	Zhengming Liu	UV - Uncertainties & validation	UV-S2D2M2	632	Comparison of JEFF-3.3 and ENDF/B-VIII.0 libraries for LWR spent fuel characterization	Francisco Álvarez-Velarde	UV - Uncertainties & validation	UV-S2D3M2
	12:20	12:35	0:15	407	Propagating New Vanadium-51 Covariances to Critical Assemblies	Nathan Gibson	UV - Uncertainties & validation	UV-S2D1M2	103	The Influence of the Inconsistent Criticality Experiments on the Cross-Section Adjustment	Kai Fan	UV - Uncertainties & validation	UV-S2D2M2	368	Nuclear Data Validation Using LWR Measurements: Insights from the OECD/NEA TVA-WB1 Benchmark	Iñigo Gayo de Leon	UV - Uncertainties & validation	UV-S2D3M2
	12:35	12:50	0:15	419	Sensitivity Analysis for the GFR2400 Reactor Using SCALE6.3 and SERPENT2.2 Codes	Otto Glavo	UV - Uncertainties & validation	UV-S2D1M2	145	Comparative Analysis of Decay Heat in Spent Nuclear Fuel: Measurements Versus Calculations Using Multiple Nuclear Data Libraries with Serpent2	Sofia Portolan	UV - Uncertainties & validation	UV-S2D2M2	110	Adjustment of Fe-56 nuclear data based on shielded benchmark experiment ASPIS Fe88	Lili Wen	UV - Uncertainties & validation	UV-S2D3M2
12:50				Lunch break					Lunch break					Lunch break				
	14:20	14:40	0:20	313	Towards evaluating target accuracies in experimental correlations among criticality experiments for reliable data assimilation studies	Nuria García Herranz	UV - Uncertainties & validation	UV-S2D1A1	660	New measurements of capture gamma rays at UMass Lowell Research Reactor	Marian Jandel	FA - Facilities	FA-S2D2A1	396	Intercomparison of the Status of Modern Covariance Matrices for Fission and Fusion Applications	Ivan A. Kodeli	UV - Uncertainties & validation	UV-S2D3A1
	14:40	14:55	0:15	654	Quantification Coverage for Experimental Error and Uncertainty Recovery	Ugur Mertiyurek	UV - Uncertainties & validation	UV-S2D1A1	456	The VENOM (Variable Energy Neutron Output Machine) Project	Simon Rice	FA - Facilities	FA-S2D2A1	647	Evaluation of the Monte-Carlo Code Serpent 2 and JEFF-3.1.1 Nuclear Data for a Graphite Moderated Core with the LCT-060 ICSBEP Benchmark	Dufay Paul	UV - Uncertainties & validation	UV-S2D3A1

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A1	14:55	15:10	0:15	601	The Nuclear data Evaluation Pipeline of Uppsala university (NEPU) – addressing model defects and data inconsistencies	Henrik Sjöstrand	Uncertainties & validation	UV - S2D1A1	293	Systematic characterization of the neutron flux of CSNS Back-n facility	Yijia Qiu	FA - Facilities	FA-S2D2A1	677	Study on the sensitivity and uncertainty of NELSON Number Method in β eff measurement	Lingli Song	Uncertainties & validation	UV - S2D3A1
	15:10	15:25	0:15	661	Nuclear Data Uncertainty Propagation to Decay Heat using CASMO5 ENDF/B-VIII Covariances	Sebastien Bonthoux	UV - Uncertainties & validation	UV-S2D1A1	230	DICER64: Upgraded capabilities of a neutron transmission instrument at LANSCE	Sotirios Chasapoglou	FA - Facilities	FA-S2D2A1	65	Benchmark Development for Neutron Capture Gamma-Ray Cascades	Ian Parker	UV - Uncertainties & validation	UV-S2D3A1
	15:25	15:40	0:15	218	Comparative Analysis of the ENDF/B-VIII.1 and JEFF-4.0 Nuclear Data Libraries Using Criticality and Depletion Benchmarks	Julia Bartos	UV - Uncertainties & validation	UV-S2D1A1	209	Experimental nuclear physics at the ASP facility	Verity Woolhead	FA - Facilities	FA-S2D2A1	481	A measurement of spectrum averaged cross sections in the benchmark LR-0 reference field	Alena Krechlerova	UV - Uncertainties & validation	UV-S2D3A1
	15:40	15:55	0:15	256	Benchmarking of ENDF/B-VIII.1 and Other New Evaluated Nuclear Data Libraries	Huanyu Zhang	UV - Uncertainties & validation	UV-S2D1A1						314	Comparison of Monte Carlo-based techniques for the analysis of PNDAs experiments	Valeria Raffuzzi	UV - Uncertainties & validation	UV-S2D3A1
15:55 16:25 0:30				Coffee break					Coffee break					Coffee break				
A2	16:25	16:45	0:20	461	Reevaluation of the Flattop-HEU Benchmark Model for Nuclear Data Validation	Kristin Stolte	UV - Uncertainties & validation	UV-S2D1A2	442	Understanding and Enhancing Spallation Targets at LANSCE	Josef Svoboda	FA - Facilities	FA-S2D2A2	277	Time Evolution of Prompt Fission Gamma Rays	Patrick Talou	UV - Uncertainties & validation	UV-S2D3A2
	16:45	17:00	0:15	302	Development of a Photon Strength Function Database Interface	Sandile Jongile	UV - Uncertainties & validation	UV-S2D1A2	228	Developments and future prospects for neutron induced inelastic cross section measurements at CERN n_TOF	Michael Bacak	FA - Facilities	FA-S2D2A2	128	The integral experiments on slab 238U with D-T and D-D neutrons for validation of evaluated nuclear data	Yanyan Ding	UV - Uncertainties & validation	UV-S2D3A2
	17:00	17:15	0:15	275	Validation of fluorine cross section by set of integral experiments	Michal Kostal	UV - Uncertainties & validation	UV-S2D1A2	42	Current Status and Experiments of the Back-n White Neutron Facility	Ruirui Fan	FA - Facilities	FA-S2D2A2					
	17:15	17:30	0:15	449	Integral Experiment Validation of Hafnium with TEX-HEU and TEX-Hf	Jesse Norris	UV - Uncertainties & validation	UV-S2D1A2	587	Neutron Beam Characterization at the NEAR Station of the n_TOF Facility at CERN with a Diamond Detector	Kalliopi Kaperoni	FA - Facilities	FA-S2D2A2					
	17:30	17:45	0:15	623	Neutronics Benchmark of CEFR Start-Up Tests: Serpent solution with JEFF-3.1, JEFF-3.3, and ENDF/B-VIII.0 libraries	Emil Fridman	UV - Uncertainties & validation	UV-S2D1A2	510	Spectral-averaged neutron capture cross section measurements by means of the activation technique at the CERN n_TOF NEAR station	Maria Elisso Stamati	FA - Facilities	FA-S2D2A2					
	17:45	18:00	0:15						671	Design study of the neutron source for the neutron shielding performance test at NDPS of RAON	Cheolmin Ham	FA - Facilities	FA-S2D2A2					
18:00 19:30 1:30				Poster session					Poster session					Poster session				

16TH NUCLEAR DATA

FOR SCIENCE AND TECHNOLOGY CONFERENCE

JUNE 22ND – 27TH | MADRID (SPAIN) | 2025



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SESSION 3

				Tuesday, June 24th					Wednesday, June 25th					Thursday, June 26th									
Start	Start	Stop	Duration	ID	Title	Author	Session Group	Block code	ID	Title	Author	Session Group	Block code	ID	Title	Author	Session Group	Block code					
M1	9:00	9:20	0:20	174	The ENDF/B-VIII.1 release: Past, Present and Future of the ENDF/B library	Gustavo Nobre	DP - Dissemination & processing	DP-S3D1M1	41	Estimating (n, xn) Cross-Sections on Tungsten Isotopes using insights from (n, xn v) measurements	Greg Henning	RM - Reaction measurements	RM-S3D2M1	410	Feasibility study of the measurement of fast neutron-induced reactions with a laser-driven neutron beam	María de los Ángeles Millán Callado	RM - Reaction measurements	RM-S3D3M1					
	9:20	9:40	0:20	301	The Nuclear Reaction Data Evaluation and Methodology in CENDL-4.0	Ruirui XU	DP - Dissemination & processing	DP-S3D1M1	328	24Mg (n,n') measurement at n TOF, CERN	matthew birch	RM - Reaction measurements	RM-S3D2M1	282	Study on the partial and total photoneutron cross sections in CNDC	Xi Tao	RM - Reaction measurements	RM-S3D3M1					
	9:40	9:55	0:15	304	Progress on the CENDL-4.0	Nengchuan SHU	DP - Dissemination & processing	DP-S3D1M1						542	Photoactivation of 209Bi with laser induced bremsstrahlung using DRACO	Adrián Bembibre Fernández	RM - Reaction measurements	RM-S3D3M1					
	9:55	10:10	0:15	476	The Future of FENDL	Georg Schnabel	DP - Dissemination & processing	DP-S3D1M1						229	Study of the 191,193Ir(n,tot) reactions at DICER at LANSCE	Sotirios Chasapoglou	RM - Reaction measurements	RM-S3D2M1	245	Development of a Detection Technique for Nuclear Materials Using High-Energy Gamma-Rays from the 7Li(p,g)8Be Reaction	Tatsuya Katabuchi	RM - Reaction measurements	RM-S3D3M1
	10:10	10:25	0:15	59	JEFF-4 proton induced library	Alexey Stankovskiy	DP - Dissemination & processing	DP-S3D1M1						253	Determining neutron-induced reaction cross sections with surrogate reactions in inverse kinematics at heavy-ion storage rings	Camille Berthelot	RM - Reaction measurements	RM-S3D2M1	28	High energy photoneutron emission via resonance direct process	Hayato Takeshita	RM - Reaction measurements	RM-S3D3M1
	10:25	10:40	0:15	533	Current status of nuclear data processing code NECP-Atlas	Tiejun Zu	DP - Dissemination & processing	DP-S3D1M1						521	Measurement of (alpha,n) thick target yields and cross-sections using the miniBELEN neutron counter	Nil Mont-Geli	RM - Reaction measurements	RM-S3D2M1	90	Theoretical interpretation of experimental double differential cross-section data for photoneutron production	Thi Hong Thuong Nguyen	RM - Reaction measurements	RM-S3D3M1
10:40	11:10	0:30	Coffee break					Coffee break					Coffee break										
M2	11:10	11:30	0:20	408	Progress Towards International GNDS Adoption	Caleb Mattoon	DP - Dissemination & processing	DP-S3D1M2	351	Monte Carlo evaluation of the semiclassical multi-step direct reaction series	Brett V Carlson	NT- Nuclear theory	NT-S3D2M2	295	Study of fission using multinucleon transfer reaction	Katsuhisa Nishio	RM - Reaction measurements	RM-S3D3M2					
	11:30	11:50	0:20	323	Progress in international collaboration on EXFOR project	Naohiko Otsuka	DP - Dissemination & processing	DP-S3D1M2	417	Refining Inelastic Scattering Models: Applications to Nuclear Structure and Reaction Mechanisms	Marc Dupuis	NT- Nuclear theory	NT-S3D2M2	663	Fission studies using quasi-free scattering reactions in inverse kinematics	Jose Benlliure	RM - Reaction measurements	RM-S3D3M2					
	11:50	12:05	0:15	127	Decay Data and Processing in GNDS	Vincent Cheung	DP - Dissemination & processing	DP-S3D1M2	340	A Theoretical Study on the Half-life of Bound-State Beta Decay (BSBD) of Excited Long-Lived Fission Products	Jaehyeong Jang	NT- Nuclear theory	NT-S3D2M2	167	Insights into the angular momentum of compound nuclei populated in fragmentation-induced fission reactions of 236U	Jose Luis Rodriguez Sanchez	RM - Reaction measurements	RM-S3D3M2					
	12:05	12:20	0:15	211	Developments of IAEA Nuclear Data Explorer: Experimental and Evaluated Nuclear Data Libraries Visualization and Retrieval System	Shin Okumura	DP - Dissemination & processing	DP-S3D1M2	125	Microscopic Extraction of Static Polarizabilities of Heavy Odd Nuclei	Ibrahim Abdurrahman	NT- Nuclear theory	NT-S3D2M2	565	Fragmentation reaction study on long-lived fission product 137Cs	Enqiang Liu	RM - Reaction measurements	RM-S3D3M2					
	12:20	12:35	0:15	412	A curated object-oriented database of experimental fission yields	Andrea Mattera	DP - Dissemination & processing	DP-S3D1M2	355	Consistent modeling of fission product yields and other fission observables	Amy Lovell	NT- Nuclear theory	NT-S3D2M2	194	Study of multinucleon transfer reactions using JAEA Recoil Mass Separator	Fumi Suzuki	RM - Reaction measurements	RM-S3D3M2					
	12:35	12:50	0:15	164	Modernizing Nuclear Reaction Data Management: Leveraging Open Source Project Management Practices, Version Control, Automation, and Open Source Solutions for Future Proof Projects	Julia Sprenger	DP - Dissemination & processing	DP-S3D1M2	227	Using microscopic fission theory inputs to compute independent yields and the fission spectrum	Nicolas Schunck Schunck	NT- Nuclear theory	NT-S3D2M2	562	Improving the accuracy of thermal neutron capture gamma-rays on Ni isotopes with FAIRARRAY at UMass Lowell Research Reactor	Shuya Ota	RM - Reaction measurements	RM-S3D3M2					
12:50	14:20	1:30	Lunch break					Lunch break					Lunch break										

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A1	14:20 14:40 0:20	637	Neutron spectra measurements with CIEMAT-BSS around the research reactor RA-6 at Centro Atómico de Bariloche	Roberto Méndez	MA - Medical applications	MA-S3D1A1	40	Description of fission process including intrinsic excitations - Application to Pu240	Nathalie PILLET	NT - Nuclear theor	NT-S3D2A1	502	Experimental study and its future plan on photoneutron production double differential cross section in giant dipole resonance energy region using linearly polarized photon beam at Laser Compton scattering facility, BL-01, NewSUBARU, Japan	Toshiya Sanami	RM - Reacion measurements	RM-S3D3A1
	14:40 14:55 0:15	363	Understanding the status of nuclear data on medical RI production using the CCONE code system	Seiya Sakai	MA - Medical applications	MA-S3D1A1	479	Microscopic coupled-channels optical potential for nucleon interaction with fission nuclei	Hairui Guo	NT - Nuclear theor	NT-S3D2A1	549	Predicting photonuclear cross sections using machine learning	Ajeeta Khatiwada	RM - Reacion measurements	RM-S3D3A1
	14:55 15:10 0:15	612	Verified nuclear data library for KERMA and DPA evaluation	Shengli Chen	MA - Medical applications	MA-S3D1A1	655	Resolving the multigroup charged particle transport dilemma below 1 keV	Ahmed Naceur	NT - Nuclear theor	NT-S3D2A1	124	PolFEL - the new Free Electron Laser research infrastructure in Poland	Marcin Bielewicz	RM - Reacion measurements	RM-S3D3A1
	15:10 15:25 0:15	360	Measurement of proton beam energy distribution using GRAVEL unfolding method in activation analysis	Dai-Ho Moon	MA - Medical applications	MA-S3D1A1	294	Six-dimensional Langevin approach to fission with Cassini shape parameterization	Kazuki Okada	NT - Nuclear theor	NT-S3D2A1	346	Fast neutron inelastic scattering from 7Li	Roland Beyer	RM - Reacion measurements	RM-S3D3A1
	15:25 15:40 0:15	60	Indirect Measurement of Sr-85(n,y) cross-sections by surrogate reaction method	Jing Feng	MA - Medical applications	MA-S3D1A1	88	Non-Relativistic Nucleon Global Phenomenological Optical Potentials up to 200 MeV	Yongli Xu	NT - Nuclear theor	NT-S3D2A1	605	Double Differential Cross Section of Ti(g,xn) at 20 MeV LCS photons	Tuyet Kim Tran	RM - Reacion measurements	RM-S3D3A1
	15:40 15:55 0:15	292	Theoretical analysis of double-differential cross sections for p+ ^{6,7} Li and n+ ¹³ C reactions	Xiaojun Sun	MA - Medical applications	MA-S3D1A1										
15:55 16:25 0:30		Coffee break					Coffee break					Coffee break				
A2	16:25 16:45 0:20	392	Cross section measurements for the cyclotron production of the theranostic ⁴⁷ Sc radionuclide using enriched ^{48,49,50} Ti targets	Lucia De Dominicis	MA - Medical applications	MA-S3D1A2	540	An improved FLUKA fission model and other recent developments	Stefano Marin	MC - Monte Carlo simulation	MC-S3D3A2	117	Elastic and Inelastic Scattering Cross Section Measurements with the Correlated Gamma-Neutron Array for sCattering (CoGNAC) at LANL	Keegan Kelly	RM - Reacion measurements	RM-S3D3A2
	16:45 17:00 0:15	615	Comparing fetal doses in radiotherapy with photons and protons using a Pregnant-female Mesh-type Reference Computational Phantoms (MRCPs) based on ICRP publications	alo F. Garcia-Fern	MA - Medical applications	MA-S3D1A2	427	Recent improvements of Geant4 Neutron-HP package, validated against reference neutron transport codes	THULLIEZ LOIC	MC - Monte Carlo simulation	MC-S3D3A2	641	Total Neutron Cross-section Measurements on Liquid Oxygen Using Continuous Fast Neutron Spectrum from p+Be Reaction	Martin Ansoerge	RM - Reacion measurements	RM-S3D3A2
	17:00 17:15 0:15	673	Production and Testing of IRDFF-II-Based Dosimetry Cross Section Library for Least-Squares Neutron Spectrum Adjustments in LWR Dosimetry Applications	Greg Fischer	MA - Medical applications	MA-S3D1A2	629	Processing and Integration of Nuclear Data into FLUKA's Fifth Generation	Philippe Schoofs	MC - Monte Carlo simulation	MC-S3D3A2	649	Preliminary Results of ¹² C Neutron Elastic Scattering using CoGNAC at the LANSCE White Neutron Source	Nicholas Mendez	RM - Reacion measurements	RM-S3D3A2
	17:15 17:30 0:15	185	Measurements of Thermal Capture Gamma-rays from Manganese	Alex Howe	MA - Medical applications	MA-S3D1A2	249	¹² C+ ¹² C Reaction Cross-Sections with Antisymmetrized Molecular Dynamics and PHITS for heavy particle therapy	Yuta Mukobara	MC - Monte Carlo simulation	MC-S3D3A2	658	Investigating Gas Production in Neutron-Irradiated Copper Using the Medley Setup at GANIL	Iuliia Ipatova	RM - Reacion measurements	RM-S3D3A2
	17:30 17:45 0:15	397	Measurement of natZn(p,x) and natNi(p,x) Cross Sections for Theranostic Applications	Mohammad Eslam	MA - Medical applications	MA-S3D1A2	583	The Fluka code for astroparticle studies.	Pedro De la Torre Luque	MC - Monte Carlo simulation	MC-S3D3A2	364	Measurement of (g,n) cross sections with bremsstrahlung photons	Bernat Ballester	RM - Reacion measurements	RM-S3D3A2
	17:45 18:00 0:15	577	Measurements of the ¹² C(n, n+3α) cross sections using a diamond detector	Jie Liu	MA - Medical applications	MA-S3D1A2	97	Model bias and parameter optimisation with the example of INCL/ABLA.	Jason Hirtz	MC - Monte Carlo simulation	MC-S3D3A2	535	Correlation experiments in photon-induced fission	Vincent Wende	RM - Reacion measurements	RM-S3D3A2
18:00 19:30 1:30		Poster session					Poster session					Poster session				

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SESSION 4

				Tuesday, June 24th					Wednesday, June 25th					Thursday, June 26th				
Start	Start	Stop	Duration	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code
M1	9:00	9:20	0:20	177	Neutron detection applications with an XY Micromegas detector	Frank Günsing	DT - Detectors & techniques	DT-S4D1M1	489	Comparison of JEFF-4 mass yield evaluations of four fissioning systems: 233,235U(nth,f) and 239,241Pu(nth,f) Isotopic fission fragments yields in the Thorium region produced in inverse-kinematics with a 232Th beam	Grégoire Kessedjian	FY - Fission yields	FY-S4D2M1	99	Isomeric yield ratios from mass measurement techniques for studies in fission dynamics	Stephan Pomp	FY - Fission yields	FY-S4D3M1
	9:20	9:40	0:20	381	A new detector system for surrogate reaction studies using solar cells	Hiroyuki Makii	DT - Detectors & techniques	DT-S4D1M1	281	Evaluation of fission yields based on experimental measurements and theoretical model calculations	Alex Cobo Zarzuelo	FY - Fission yields	FY-S4D2M1	433	Development of the fission yield studies at the IGISOL	Heikki Penttälä	FY - Fission yields	FY-S4D3M1
	9:40	9:55	0:15	11	Detecting neutrons with less sensitivity to neutron emission energy and angular distribution: conceptual design of a novel gaseous scintillator neutron detector	Jianqi chen	DT - Detectors & techniques	DT-S4D1M1	84	Pre-neutron mass yields evaluation of 235U(n _{th} ,f)	Zerun Lu	FY - Fission yields	FY-S4D2M1	85	Fission dynamics Investigation using VAMOS++ spectrometer and Second arm	Indu Jangid	FY - Fission yields	FY-S4D3M1
	9:55	10:10	0:15	343	Investigation of a Scatter Time-of-Flight Spectrometer for CW/Pulsed Neutron Beam Characterization	Christopher Brand	DT - Detectors & techniques	DT-S4D1M1	504	From Wahl's Zp Model to Direct-Zp Model: Improved nuclear charge distribution of 235U(nth, f) and 239Pu(nth, f)	Alessandro Regonesi	FY - Fission yields	FY-S4D2M1	91	Fission mass yield measurements of 248-Cm(sf) and 252-Cf(sf) using the VERDI fission spectrometer	Ana Maria Gomez Londono	FY - Fission yields	FY-S4D3M1
	10:10	10:25	0:15	657	Development and testing of the DESPEC FIMP implanter	Klemen Žagar	DT - Detectors & techniques	DT-S4D1M1	543	Correlation Study of Prompt Fission Neutrons and Fragment Properties in 252Cf Spontaneous Fission	Sidi-Mohamed CHEIKH	FY - Fission yields	FY-S4D2M1	161	Angular momentum, deformation and excitation energy of fission fragments	Gaudefrey Laurent	FY - Fission yields	FY-S4D3M1
	10:25	10:40	0:15	585	Advanced charged-particle detection at n_TOF/CERN utilizing a nTD Annular Silicon Detector	Styliani GOULA	DT - Detectors & techniques	DT-S4D1M1						166		Eli Temanson	FY - Fission yields	FY-S4D3M1
10:40				Coffee break					Coffee break					Coffee break				
M2	11:10	11:30	0:20	39	Nucleosynthesis in metal-poor stars to identify the first stars in the universe	Takuma Suda	AP - Astrophysics & Space	AP-S4D1M2	551	Rare fission yields of U-233 at LOHENGRIN	Ali Al-Adili	FY - Fission yields	FY-S4D2M2	274	Results on 235U(nth,f) isotopic fission yields using prompt and delayed gamma rays at FIPPS	Thomas Materna	FY - Fission yields	FY-S4D3M2
	11:30	11:50	0:20	350	Muon Nuclear Data Development Project	Yukinobu Watanabe	AP - Astrophysics & Space	AP-S4D1M2	116	Study of neutron-induced fission of 235U and 237Np with FALSTAFF detector at SPIRAL2/NFS	Jean-Éric Ducret	FY - Fission yields	FY-S4D2M2	144	Measurement of the 99Y isomeric ratio in the 239,241Pu(nth,f) reactions with the LOHENGRIN spectrometer	Abdelhazize Chebboubi	FY - Fission yields	FY-S4D3M2
	11:50	12:05	0:15	37	Gamma-ray signatures of r-process nucleosynthesis using evaluated nuclear data	Axel Gross	AP - Astrophysics & Space	AP-S4D1M2	92	Isomeric yield ratios and angular momenta of fission fragments in proton induced fission	Andreas Solders	FY - Fission yields	FY-S4D2M2	105	Fragment-correlated γ-ray emission from 252Cf(sf)	Ivan Tolstukhin	FY - Fission yields	FY-S4D3M2
	12:05	12:20	0:15	276	Investigating How Low Temperature Nuclear Data Affect Water Content Estimates of Martian Soil	Kristofer Cottingham	AP - Astrophysics & Space	AP-S4D1M2	305	Pre-neutron yields with the VAMOS++ spectrometer and its second arm	Alexis Francheteau	FY - Fission yields	FY-S4D2M2	595	Extracting isomeric yield ratios in the tellurium chain	Henrik Haug	FY - Fission yields	FY-S4D3M2
	12:20	12:35	0:15	362	Measurement of 28,29Si(n,g) Cross section and its implications in Astrophysics.	Francisco Garcia nfantes	AP - Astrophysics & Space	AP-S4D1M2	437	Characterization of a time-of-flight system for the study of symmetric fission products with the LOHENGRIN spectrometer at ILL	Grégoire Kessedjian	FY - Fission yields	FY-S4D2M2	644	Fission Product Yield Studies from Neutron-Induced Fission	Anton Tonchev	FY - Fission yields	FY-S4D3M2
	12:35	12:50	0:15						596	Fission Product Yields Measurements via Synchrotron Based X-ray Fluorescence at NSLS-II	MEHMET TOPSAKAL	FY - Fission yields	FY-S4D2M2	659	Independent isotopic fission yields of 252Cf spontaneous fission via direct mass measurements at the FRS Ion Catcher	Daler Amanbayev	FY - Fission yields	FY-S4D3M2
12:50				Lunch break					Lunch break					Lunch break				
	14:20	14:40	0:20	51	First measurement of the key s-process branching 79Se(n,γ) reaction at CERN n_TOF	Jorge Lereendegui Marco	AP - Astrophysics & Space	AP-S4D1A1	366	Decay properties of nuclei far from stability in the nuclear chart with the global nuclear mass model	Hiroyuki Koura	NS - Nuclear structure	NS-S4D2A2	269	Parameter Optimization of FREYA for 240Pu(sf)	Ramona Vogt	NT- Nuclear theory	NT-S4D3A1

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A1	14:40 14:55 0:15	141	Measurement of $^{30}\text{Si}(n,\gamma)$ cross section at n_TOF	Michele Spelta	Astrophysics & Space	AP -	AP-S4D1A1	121	Nuclear Data Evaluation: Visualization Technique of High-Spin Rotational Paths	Ninel Nica	NS - Nuclear structure	NS-S4D2A2	465	ENERGY SPECTRUM OF THE SCISSION NEUTRONS AND THEIR CONTRIBUTION TO THE PROMPT FISSION NEUTRON SPECTRUM	Olivier Serot	NT- Nuclear theory	NT-S4D3A1
	14:55 15:10 0:15	142	Measurement of $^{64}\text{Ni}(n,\gamma)$ cross section at n_TOF	Michele Spelta	Astrophysics & Space	AP -	AP-S4D1A1	247	Mirror symmetry breaking in the 1/2+ resonant states in ^9Be and ^9B	Odsuren Myamarjav	NS - Nuclear structure	NS-S4D2A2	119	Fission Observables with CGMF and Applications to Nuclear Data Evaluations	Ionel Stetcu	NT- Nuclear theory	NT-S4D3A1
	15:10 15:25 0:15	498	Experimental extraction of neutron resonance parameters at 20-300 eV for $^{147,149}\text{Sm}$	Xin-Xiang Li	Astrophysics & Space	AP -	AP-S4D1A1	341	Theoretical Calculation of Muon-Nuclear Capture Reactions Toward Muon Nuclear Data	Futoshi Minato	NS - Nuclear structure	NS-S4D2A2	500	First Fully Microscopic Description of Fission with Three Collective Dimensions	Marc Verriere	NT- Nuclear theory	NT-S4D3A1
	15:25 15:40 0:15	204	Neutron capture and total cross-section measurements on $^{94,95,96}\text{Mo}$ at n_TOF and GELINA	Riccardo Mucciola	Astrophysics & Space	AP -	AP-S4D1A1	403	Statistical nuclear properties in nucleosynthesis and nuclear structure: The cases of $^{180,181,182}\text{Ta}$ and $^{153,155}\text{Sm}$	Kgashane Malatji	NS - Nuclear structure	NS-S4D2A2	291	HFB3: A new axial HFB solver with finite-range interactions for structure and fission studies	Dubray Noël	NT- Nuclear theory	NT-S4D3A1
	15:40 15:55 0:15							617	Extended interacting boson model with configuration mixing and its application on transitional nucleus ^{98}Mo	Lianrong Dai	NS - Nuclear structure	NS-S4D2A2	160	Unfolding Pre-neutron Fission Fragment Mass Distributions Using deblurring Method	Pierre Nzabahimana	NT- Nuclear theory	NT-S4D3A1
15:55 16:25 0:30		Coffee break							Coffee break				Coffee break				
A2	16:25 16:45 0:20	310	Impact of newly measured beta-delayed neutron data for nuclei close to ^{78}Ni on light-element nucleosynthesis in neutron star mergers	Alvaro Tolosa Delgado	Astrophysics & Space	AP -	AP-S4D1A2	36	Half-life measurement of ^{157}Tb	Karsten Kossert	NS - Nuclear structure	NS-S5D1A2	273	Advancing reaction theory to enable indirect measurements and improved nuclear data evaluations	Jutta Escher	NT- Nuclear theory	NT-S4D3A2
	16:45 17:00 0:15	263	Study of neutron-induced reactions on $^{63,65}\text{Cu}$ at the n_TOF facility	Nicholas Pieretti	Astrophysics & Space	AP -	AP-S4D1A2						147	R-matrix framework and recent results for breakup evaluations	Mark Paris	NT- Nuclear theory	NT-S4D3A2
	17:00 17:15 0:15	109	Level density and photon strength functions in Ti-204	Ingrid Knapova	Astrophysics & Space	AP -	AP-S4D1A2						329	Model for Simultaneous Evaluation of Thermal Scattering & Resolved Resonance Parameters	Chris W. Chapman	NT- Nuclear theory	NT-S4D3A2
	17:15 17:30 0:15	307	First measurement of angular differential and total fragmentation cross sections for 400 MeV/nucleon ^{16}O on graphite and polyethylene targets with the FOOT experiment	Riccardo Ridolfi	Astrophysics & Space	AP -	AP-S4D1A2						584	Indirect reactions and connection with R-matrix theory	Gregory Potel Aguilar	NT- Nuclear theory	NT-S4D3A2
	17:30 17:45 0:15	597	New measurements of beta-delayed neutron emitters for Ba to Nd nuclei (A~160) to improve the description of the r-process rare-earth nucleosynthesis	Max Pallàs Solis	Astrophysics & Space	AP -	AP-S4D1A2						515	R-matrix formalism for three-body channels	Helmut Leeb	NT- Nuclear theory	NT-S4D3A2
	17:45 18:00 0:15	24	Comprehensive SiO_2 cross section validation for various purposes	Martin Schulc	Astrophysics & Space	AP -	AP-S4D1A2						496	Shell model inputs for reactions in nuclear astrophysics and nuclear technologies	Oliver Gorton	NT- Nuclear theory	NT-S4D3A2
18:00 19:30 1:30		Poster session							Poster session				Poster session				

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SESSION 5

					Tuesday, June 24th					Wednesday, June 25th					Thursday, June 26th				
Start	Start	Stop	Duration	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	
M1	9:00	9:20	0:20	258	Re-evaluating the 252Cf(sf) PFNS standard factoring in AI/ML information on physics root causes of experimental bias	Denise Neudecker	ST- Standards	ST-S5D1M1	467	Nuclear structure model codes in support to neutron-induced cross-section evaluations	Noguere Gilles	EV - Evaluation	EV-S5D2M1	450	Toward a new evaluation of neutron induced reactions on U-233 for JEFF4	Andrej Trkov	EV - Evaluation	EV-S5D3M1	
	9:20	9:40	0:20	179	Efforts Leading to a New Neutron Data Standards Evaluation	Allan Carlson	ST- Standards	ST-S5D1M1	44	R-matrix analysis of n+natCl reactions relevant to molten-salt reactor designs (*)	Marco Pigni	EV - Evaluation	EV-S5D2M1	336	Update of the INDEN evaluation of fast neutron induced reactions on Pu-239	Roberto Capote Noy	EV - Evaluation	EV-S5D3M1	
	9:40	9:55	0:15	268	Measurement of the 6Li(n,t)4He cross section at the Back-n white neutron source of CSNS	Chen Hongkun	ST- Standards	ST-S5D1M1	38	Random-matrix approach for generating cross sections in unresolved resonance region	Kazuki Fujio	EV - Evaluation	EV-S5D2M1	89	Theoretical calculation and evaluation for n+238U, 239Pu reactions	Yinlu Han	EV - Evaluation	EV-S5D3M1	
	9:55	10:10	0:15	531	Measurement of 100-500keV n-p scattering cross section based on MTPC at CSNS Back-n white neutron source	Haizheng Chen	ST- Standards	ST-S5D1M1	631	Treating fluctuating cross-sections in the fast energy region using Gaussian processes	Erik Sundén	EV - Evaluation	EV-S5D2M1	206	Narrowing the Gap Between Theory and Evaluations: Angular Momentum Distributions in Fission Fragments	Petar Marevic	EV - Evaluation	EV-S5D3M1	
	10:10	10:25	0:15	241	Integral References for neutron-induced reactions on 233,235U and 239,241Pu at thermal and resolved-resonance ranges.	Ignacio Durán	ST- Standards	ST-S5D1M1	231	Validations and Extensions of the LANL-TP Chlorine Evaluation	Kenneth Hanselman	EV - Evaluation	EV-S5D2M1	25	Angular anisotropy in pre-fission neutron spectra and PFNS of 240,241,242Pu(n, f)	Vladimir Maslov	EV - Evaluation	EV-S5D3M1	
	10:25	10:40	0:15	365	Measurement of relative differential cross sections of the 1H(n, n)1H reaction in the neutron energy range from 0.45 MeV to 8.5 MeV	Kang SUN	ST- Standards	ST-S5D1M1	357	Theoretical Calculations and Evaluations of Neutron Data for Nickel below 20 MeV	Yue Zhang	EV - Evaluation	EV-S5D2M1	359	The Fe-54 inelastic scattering cross-sections evaluation based on the gamma-ray production cross-sections of inelastic scattering	Zhi Zhang	EV - Evaluation	EV-S5D3M1	
10:40	11:10	0:30	Coffee break					Coffee break					Coffee break						
M2	11:10	11:30	0:20	169	Photon strength function modelling	Sophie PERU	NS - Nuclear structure	NS-S5D1M2	473	Global alpha-nucleus optical potential for nuclear astrophysics applications	Paraskevi Dimitriou	Astrophysics & Space AP -	AP-S5D2M2	455	Fellowship of the Resolved	Jesse Brown	EV - Evaluation	EV-S5D3M2	
	11:30	11:50	0:20	423	Photon Strength Function Database	Mathis Wiedeking	NS - Nuclear structure	NS-S5D1M2	289	First 94Nb(n, γ) cross-section measurement at the cern n_tof facility	Javier Balibrea Correa	Astrophysics & Space AP -	AP-S5D2M2	653	Joint evaluation of 7Be in the resolved resonance region	Paraskevi Dimitriou	EV - Evaluation	EV-S5D3M2	
	11:50	12:05	0:15	474	Accelerated Decay Data Evaluation and Development of an Adopted Decay Data Library	Sanjane W. Waniganeththi	NS - Nuclear structure	NS-S5D1M2	485	POTLUQ: an optical-model potential for reactions on unstable targets	Cole Pruitt	Astrophysics & Space AP -	AP-S5D2M2	492	9Be (α,n) energy-angle distribution re-estimation	Sylvain Bertholon	EV - Evaluation	EV-S5D3M2	
	12:05	12:20	0:15	560	The Berkeley Alpha and proton Radiation (BEAR) database: an On-line Heavy Charged-Particle Decay Database	Jon Batchelder	NS - Nuclear structure	NS-S5D1M2	393	Preliminary results of proton- and α-particle-capture cross-sections on 73Ge relevant to p-process nucleosynthesis	Maria Peoviti	Astrophysics & Space AP -	AP-S5D2M2	566	Probing optical model parameters for (d,p) reaction on lead and bismuth isotopes	Jyoti Pandey	EV - Evaluation	EV-S5D3M2	
	12:20	12:35	0:15	242	Atlas of Nuclear Isomers and its implications	Bhoomika Maheshwari	NS - Nuclear structure	NS-S5D1M2	395	Cross-section measurement of 146Nd(n, γ) at n_TOF-EAR2	Bernardo Bernardino Gameiro	Astrophysics & Space AP -	AP-S5D2M2	61	Calculations and analysis of neutron reaction data on chromium isotopes	Jimin Wang	EV - Evaluation	EV-S5D3M2	
	12:35	12:50	0:15	168	Nuclear Level Density Measurements: Advancing Modeling Capabilities for Data-Driven Applications	Alexander Voinov	NS - Nuclear structure	NS-S5D1M2	568	Measurement of 96Zr(α,p,n)99Mo thick target yields	Luis Mario Fraile	Astrophysics & Space	AP-S5D2M2	20	Evaluation of 237Np fast neutron-induced fission cross sections with the EXFOR library in JSON	VIDYA DEVI	EV - Evaluation	EV-S5D3M2	
12:50	14:20	1:30	Lunch break					Lunch break					Lunch break						
	14:20	14:40	0:20	633	Deformation and isospin breaking effects in the A=71 mirror system	Alejandro Algora	NS - Nuclear structure	NS-S5D1A1	453	Overview of the neutron-induced charged particle reaction studies on radionuclides at LANSCE	Hye Young Lee	Astrophysics & Space AP -	AP-S5D2A1	267	Nuclear data in the era of Artificial Intelligence	Matthew Mumpower	ML -Machine learning	ML-S5D3A1	
	14:40	14:55	0:15	484	Beta spectrum measurements with a 4π Si(Li) spectrometer	Gaël Craveiro	NS - Nuclear structure	NS-S5D1A1	508	Measurement of the 68Zn(n, γ) Cross Sections at n TOF, CERN, and their Astrophysical Implications	Annie Rooney	Astrophysics & Space AP -	AP-S5D2A1	14	Application of Machine Learning for Physico-Chemical Characterization of Low-Level Radioactive Waste	Ilker Makine	ML -Machine learning	ML-S5D3A1	
	14:55	15:10	0:15	47	Half-life measurement of two short-lived excited states in Fe-57 with LS-gamma delayed coincidence counting	Marcell Takács	NS - Nuclear structure	NS-S5D1A1	574	Measurement of the 40K(n,p1) reaction channel at the Lohengrin spectrometer	Nikolay Sosnin	Astrophysics & Space	AP-S5D2A1	594	Automated Variation of Parameters Integrated with Neutronic Analysis for Fuel Utilization Optimization	Arthur Reis Martins	ML -Machine learning	ML-S5D3A1	

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A1	15:10	15:25	0:15	628	Study of exotic nuclei of interest for applied and fundamental nuclear physics with Total Absorption Gamma-ray Spectroscopy (TAGS)	Julien Pépin	NS - Nuclear structure	NS-S5D1A1	Measurement of charged particle spectra emitted following muon nuclear capture on natSi	Shoichiro Kawase	AP - Astrophysics & Space	AP-S5D2A1	187	Automated Resonance Fitting for Data Scientists, A side-by-side translation	Noah Walton	ML -Machine learning	ML-S5D3A1
	15:25	15:40	0:15	606	Beta-delayed neutron emission in the doubly-magic 132Sn region	Peter Dyszel	NS - Nuclear structure	NS-S5D1A1	Improving gamma-ray emission data in ENDF and enabling inline gamma-ray cascade capability	Emanuel Chimanski	AP - Astrophysics & Space	AP-S5D2A1	266	The (weighted) Levenberg-Marquardt algorithm for curve-fitting problems in nuclear physics	Marko Imbrisak	ML -Machine learning	ML-S5D3A1
	15:40	15:55	0:15	581	Measurement of the absolute delayed neutron yield in the thermal neutron induced fission of 241Pu(n,f)	Pierre LECONTE	NS - Nuclear structure	NS-S5D1A1									
	15:55	16:25	0:30	Coffee break					Coffee break					Coffee break			
A2	16:25	16:45	0:20	379	Solving the 55Mn puzzle	Stanislav Valenta	NS - Nuclear structure	NS-S4D1A2					198	Evaluating nuclear data with Bayesian machine learning	Hiroki Iwamoto	ML -Machine learning	ML-S5D3A2
	16:45	17:00	0:15	557	Complete decay spectroscopy of neutron-rich Cl isotopes with FDSi	Ian Cox	NS - Nuclear structure	NS-S4D1A2					140	Improving nuclear cross-sections with deep learning: DINO algorithm	Gesson Lévana	ML -Machine learning	ML-S5D3A2
	17:00	17:15	0:15	662	The KDK (potassium decay) experiment	Philippe Di Stefano	NS - Nuclear structure	NS-S4D1A2					321	Doppler Broadening (n,) Cross Sections using Machine Learning Methods	Rohan Teelock-Gaya	ML -Machine learning	ML-S5D3A2
	17:15	17:30	0:15	358	Measurement of lifetimes of the muonic atom for 28,29,30Si	Megumi Niikura	NS - Nuclear structure	NS-S4D1A2					361	The Study of (p,2n) Excitation Functions Based on Systematics and Neural Networks	Yangyang Liu	ML -Machine learning	ML-S5D3A2
	17:30	17:45	0:15	342	Production branching ratio measurement of muon nuclear capture of Si isotopes	Rurie Mizuno	NS - Nuclear structure	NS-S4D1A2					399	Estimation of Maxwellian averaged cross-sections with machine learning methods	David Brown	ML -Machine learning	ML-S5D3A2
	17:45	18:00	0:15	154	Precise Measurement of the Half-life of 190Ir	Łukasz Janiak	NS - Nuclear structure	NS-S4D1A2					480	Machine-learning parameters of nuclear reaction models	Samuel Sullivan	ML -Machine learning	ML-S5D3A2
	18:00	19:30	1:30	Poster session					Poster session					Poster session			

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Atoms for Peace
and Development

SESSION 6

				Tuesday, June 24th					Wednesday, June 25th					Thursday, June 26th				
Start	Start	Stop	Duration	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code
M1	9:00	9:20	0:20	639	Nuclear Data for Reactor Antineutrino Spectrum Modeling	Alejandro Sonzogn	Neutrinos	NE-S6D1M1	445	Modernizing the NJOY nuclear data processing code	Wim Haeck	DP - Dissemination & processing	DP-S6D2M1	107	Neutron resonance analysis of 149Sm+n using DANCE and DICER data	Thanos Stamatopoulos	CS - Criticality safety	CS-S6D3M1
	9:20	9:40	0:20	642	One (NA)ZS IAKS: Neutrinos, Applications and Nuclear Astrophysics with a Segmented Total Absorption with higher Resolution Spectrometer a combination of	Muriel Fallot	Neutrinos	NE-S6D1M1	636	Production and use of ENDF/B-VIII-based nuclear data covariance matrices	Michael Rising	DP - Dissemination & processing	DP-S6D2M1	459	Benchmark results with a new evaluation of 155Gd and 157GdLuiz Leal1*, Devin Barry2, Timothy Trumbull2, Travis Greene1, and Oscar Cabellón3	Luiz Leal	CS - Criticality safety	CS-S6D3M1
	9:40	9:55	0:15	297	Measurement of the isomeric ratio of 96Y in thermal neutron-induced fission of 235U	Sunghan Bae	Neutrinos	NE-S6D1M1	488	Development of R Program for the Verification of Residual Radiation Survey Result in the Site of Decommissioning Completion Stage	JUNGJOON LEE	DP - Dissemination & processing	DP-S6D2M1	556	R-matrix evaluation of the 15N Compound System for Criticality Safety Analyses	Jordan McDonnell	CS - Criticality safety	CS-S6D3M1
	9:55	10:10	0:15	74	Reactor antineutrino measurements, integral experiments to constrain fission and decay data	Alain Letourneau	Neutrinos	NE-S6D1M1	588	Leveraging the Cumulative Distribution Function to Generate Point-Wise Nuclear Data	Pablo Vaquer	DP - Dissemination & processing	DP-S6D2M1	257	Global R-matrix analysis of the 19F(alpha,n) reaction	Eleni Vagena	CS - Criticality safety	CS-S6D3M1
	10:10	10:25	0:15	634	First beta decay study of 98Cd using the total absorption technique	Jose Antonio Victor	Neutrinos	NE-S6D1M1	22	Reducing Decay Heat Uncertainties in EDF Nuclear Reactors : Advances through nuclear data improvement, combined with CEA's DARWIN Computation Tool and Enhanced Nuclear Data Processing	BYSTEIN BREMNE	DP - Dissemination & processing	DP-S6D2M1	325	Explicitly Modelling UCO TRISO Particles in Graphite Media for HALEU Transport Experiments	Peter Brain	CS - Criticality safety	CS-S6D3M1
	10:25	10:40	0:15						607	Modernizing Nuclear Data Dissemination: From Web Enhancements to Mobile Applications	Donnie Mason	DP - Dissemination & processing	DP-S6D2M1	545	On the Scattering Kernels of Structure Materials in Lower KeV Range	Ron Dagan	CS - Criticality safety	CS-S6D3M1
10:40	11:10	0:30	Coffee break					Coffee break					Coffee break					
M2	11:10	11:30	0:20	337	Neutrons from (α, n) reactions in rare event searches in underground laboratories	Holger Kluck	Neutrinos	NE-S6D1M2	50	Methods for Processing Evaluated Data for Multiphysics, Time Inventory And Source Term Code System	an-christophe sub	DP - Dissemination & processing	DP-S6D2M2	262	Impact of cross section and fission yield uncertainties on the fuel inventory in a high temperature fluoride salt-cooled reactor	iederike Bostelmar	CS - Criticality safety	CS-S6D3M2
	11:30	11:50	0:20	335	β decay of 103,108Tc and 103,108Mo	Victor Guadilla	Neutrinos	NE-S6D1M2	296	Progress on nuclear data processing code Ruler version 2	Xiaofei Wu	DP - Dissemination & processing	DP-S6D2M2	486	Zr Nuclear Data Campaign: Measurement of (n,gamma) cross section of 90,91Zr	Klaus Guber	CS - Criticality safety	CS-S6D3M2
	11:50	12:05	0:15	630	β-decay study of deformed, odd-odd 104,104mNb using Total Absorption Gamma Spectroscopy (TAGS) technique at IGISOL facility	SOUMEN NANDI	Nuclear structure	NE-S6D1M2	152	Use of a Kubernetes Cluster of Docker Containers in Automating Nuclear Data Quality Assurance	RAMON ARCILLA	DP - Dissemination & processing	DP-S6D2M2	411	Fission products reactivity worth: re-interpretation of the MINERVE oscillation experiments	Federico Di Croce	CS - Criticality safety	CS-S6D3M2
	12:05	12:20	0:15	446	RenShape: a new tool for evaluating the reactor antineutrino spectral shape	Matteo Borghesi	Neutrinos	NE-S6D1M2	236	WPEC Subgroup 54: Continuation of Subgroup 50 work on developing an automatically readable, comprehensive, and curated experimental reaction database	Boris Pritychenko	DP - Dissemination & processing	DP-S6D2M2	590	Application of the neutron resonance self-indication method to the non-destructive assay for nuclear material	Jun-ichi Hori	CS - Criticality safety	CS-S6D3M2
	12:20	12:35	0:15	643	Update of the summation calculations for reactor antineutrino spectra	Magali Estienne	Neutrinos	NE-S6D1M2	490	A symmetry-respecting technique for low-rank approximations of covariance matrices for nuclear data reporting	Jason Surbrook	DP - Dissemination & processing	DP-S6D2M2	460	The National Criticality Experiments Research Center: Accomplishments and Experiments in the Last Three Years	George Mckenzie	CS - Criticality safety	CS-S6D3M2
	12:35	12:50	0:15	181	Improving Decay Data for Long-Lived Fission Products	Kay Kolos	Reactors Combiner	NE-S6D1M2	200	Introducing ethical sustainability dilemmas in nuclear engineering education	Cecilia Gustavssor	DP - Dissemination & processing	DP-S6D2M2	27	Verification of and Evaluation Workflow for Neutron Damage Cross Sections	Jesse Holmes	CS - Criticality safety	CS-S6D3M2
12:50	14:20	1:30	Lunch break					Lunch break					Lunch break					

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A1	14:20	14:40	0:20	13	Early nuclear fusion advances, 1934-1952	Mark Chadwick	FU - Fusion	FU-S6D1A1	324	Impact of 197mHg and 195mHg decay branching ratios to Pt(α ,x)197,195Hg isomeric ratios measured by activation method	Naohiko Otsuka	RM - Reaction measurements	RM-S6D2A1	12	Fission yield uncertainty quantification in decay heat calculations of spent nuclear fuel	Raphaelle ICHOU	CS - Criticality safety	CS-S6D3A1
	14:40	14:55	0:15	443	The Berkeley Atlas: A database of absolute cross sections for inelastic, gamma-ray production with 14 MeV neutrons	Mauricio Ayllon Unzueta	FU - Fusion	FU-S6D1A1	353	Measurement of alpha-particle energy spectra from the 27Al(p,x α) reaction around 14 MeV	Junichi Hirao	RM - Reaction measurements	RM-S6D2A1	232	STATUS OF THE INTERNATIONAL CRITICALITY SAFETY BENCHMARK EVALUATION PROJECT	Catherine Percher	CS - Criticality safety	CS-S6D3A1
	14:55	15:10	0:15	170	Fusion decay heat benchmarking of the latest nuclear data libraries with FISPACT-II.	Jessica Hollis	FU - Fusion	FU-S6D1A1	375	New cross section measurements for proton and alpha particle induced reactions on enriched germanium and gallium targets for the production of As-72	Ingo Spahn	RM - Reaction measurements	RM-S6D2A1	377	Uncertainty Driven Approach for Enhanced Criticality Safety Studies	Vaibhav Jaiswal	CS - Criticality safety	CS-S6D3A1
	15:10	15:25	0:15	214	Atomic-Scale Investigation of Re/Os Precipitation in Neutron-Irradiated Tungsten Using Atom Probe Tomography: Validation of FISPACT-II Nuclear Data	Iuliia Ipatova	FU - Fusion	FU-S6D1A1	678	RESEARCH OF 3H(α , α)3H SCATTERING AT E α = 84.2 MeV	Yuriy Roznyuk	RM - Reaction measurements	RM-S6D2A1	398	Tests of the probability table method for unresolved resonances	David Brown	CS - Criticality safety	CS-S6D3A1
	15:25	15:40	0:15	213	Deuteron-induced reactions on molybdenum at low energies	Eva Simeľová	FU - Fusion	FU-S6D1A1	322	Measurement of 27Al(α , n)30P thick target yields and angular correlations at CMAM.	Odette Alonso-Saáudo Álvarez	RM - Reaction measurements	RM-S6D2A1	195	Critical experiments on Iron-Loaded Core at the modified STACY	Shouhei Araki	CS - Criticality safety	CS-S6D3A1
	15:40	15:55	0:15						182	First neutron energy measurements of (α , xn) reactions with MONSTER	José Llanes Gamonoso	RM - Reaction measurements	RM-S6D2A1	487	Cerberus and the Zeus Suite of Critical Experiment Benchmarks	Nicholas Thompson	CS - Criticality safety	CS-S6D3A1
15:55 16:25 0:30				Coffee break					Coffee break					Coffee break				
A2	16:25	16:45	0:20	118	The CoGNAC (n,2n) and (n,3n) Reaction Measurement Program at LANL	Keegan Kelly	FU - Fusion	FU-S6D1A2	66	Simultaneous Measurement of Low Energy Neutron Induced Capture and Prompt Fission Gamma-Ray Emission Spectra of U-nat,235 at the RPI Gaertner LINAC Center	Katelyn Keparutis	RM - Reaction measurements	RM-S6D2A2	558	Towards deformed optical potentials with microscopic structure inputs	Gabriela Popa	EV - Evaluation	EV-S5D4A1
	16:45	17:00	0:15	235	Modeling inelastic scattering reactions using a noniterative finite amplitude method and distorted-wave Born approximation	Hirokazu Sasaki	FU - Fusion	FU-S6D1A2										
	17:00	17:15	0:15	55	Predicting (n,2n) Cross Sections using Optimized Neural Networks and Hybrid ML-TALYS Approach	Lee Morgan	FU - Fusion	FU-S6D1A2										
	17:15	17:30	0:15	205	PATHFINDER: A tool for interrogating complex production pathways for radionuclides	Priti Kanth	FU - Fusion	FU-S6D1A2										
	17:30	17:45	0:15	319	Measurement of Differential Cross Sections for Inelastic Scattering of 14.1 MeV Neutrons on Light and Medium Nuclei Using the Tagged Neutron Method	Pavel Prusachenko	FU - Fusion	FU-S6D1A2										
	17:45	18:00	0:15	6	Radiation Damage in SiGe and Its Dependence on the Fidelity of Nuclear Data Libraries	Patrick Griffin	FU - Fusion	FU-S6D1A2										
18:00 19:30 1:30				Poster session					Poster session					Poster session				

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SESSION 7

					Tuesday, June 24th					Wednesday, June 25th				
Start	Start	Stop	Duration		Id	Title	Author	Session Group	Block code	Id	Title	Author	Session Group	Block code
M1	9:00	9:20	0:20		509	New nuclear data for the implementation of PET range verification in proton therapy	Teresa Rodríguez Gonzalez	MA - Medical applications	MA-S7D1M1	624	Characterization of new Generation Silicon Carbide and Pulse Shape studies at LOHENGRIN spectrometer	Simone Amaducci	DT - Detectors & techniques	DT-S7D2M1
	9:20	9:40	0:20		80	Extraction of nuclear properties from measurements of the γ -cascade of the ^{177}Lu using the new multi-detector SFyNCS	ROIG Olivier	MA - Medical applications	MA-S7D1M1	196	Development of neutron resonance fission neutron analysis technique for fissile material quantification	Jaehong Lee	DT - Detectors & techniques	DT-S7D2M1
	9:40	9:55	0:15		197	Activation cross section measurement of proton-induced reactions on natural calcium up to 30 MeV	He HUANG	MA - Medical applications	MA-S7D1M1	570	Fast Neutron-induced Gamma-ray Spectrometry (FaNGaS)	Iaroslav Meleshenkovskii	DT - Detectors & techniques	DT-S7D2M1
	9:55	10:10	0:15		199	Optimization of neutron spectrum field for radioisotope production in the experimental fast reactor Joyo	Yuto Sasaki	MA - Medical applications	MA-S7D1M1	219	Validation of the Newly Implemented DAQ at the GAINS Spectrometer	Ali Farzanehpour Alwars	DT - Detectors & techniques	DT-S7D2M1
	10:10	10:25	0:15		536	Investigation of the ^{99}Mo production via neutron capture $^{98}\text{Mo}(n,\gamma)^{99}\text{Mo}$ with a high-current accelerator-based neutron source	Doruntin Shabani	MA - Medical applications	MA-S7D1M1	250	Measurements of the Pu-241 capture and fission cross sections at the n_TOF and GELINA facilities	Emmeric DUPONT	DT - Detectors & techniques	DT-S7D2M1
	10:25	10:40	0:15		548	Production of pre-clinical activities of ^{11}C for PET imaging using a multi-shot laser-driven proton source	Aaron Alejo	MA - Medical applications	MA-S7D1M1	478	Time to Energy conversion in neutron Time of Flight Facilities by using Tikhonov Regularization	Eric Berthoumieux	DT - Detectors & techniques	DT-S7D2M1
					Coffee break					Coffee break				
M2	11:10	11:30	0:20		599	Radioactive target fabrication for neutron-induced reaction measurements at LANL	Scott Essenmacher	DT - Detectors & techniques	DT-S7D1M2	493	An update to the CAB Model: new thermal scattering libraries for light water in ENDF/B-VIII.1 and JEFF 4.0	Jose Ignacio Marquez Damian	Reactors Combined	TS-S7D2M2
	11:30	11:50	0:20		681	A novel detector for the measurement of the fission cross section induced by high energy neutrons	Alice Manna	DT - Detectors & techniques	DT-S7D1M2	53	Modeling the Extinction Effect in Beryllium Metal	Amelia Trainer	Thermal scattering data	TS-S7D2M2
	11:50	12:05	0:15		286	Development of a side readout CLLB scintillator-based spectrometer for neutron-induced total cross section measurement	Peng LUAN	DT - Detectors & techniques	DT-S7D1M2	58	The Calculation Method of the Thermal Neutron Scattering Law for Liquid Materials in NECP-Atlas	Yutu Ma	Thermal scattering data	TS-S7D2M2
	12:05	12:20	0:15		320	Development of a trans-Stilbene multi-detector array for measuring elastic and inelastic neutron cross-section channels	Dimitrios Papanikolaou	DT - Detectors & techniques	DT-S7D1M2	212	Machine Learning Molecular Dynamics for Thermal Scattering Law Evaluations with Enhanced Temperature Fidelity	Junhyoung Gil	Thermal scattering data	TS-S7D2M2
	12:20	12:35	0:15		226	New readout and data acquisition for the GAINS spectrometer	Myroslav Kavatsyuk	DT - Detectors & techniques	DT-S7D1M2	54	A Fully Temperature-Dependent Model for Coherent Elastic Thermal Neutron Scattering	Amelia Trainer	Thermal scattering data	TS-S7D2M2
	12:35	12:50	0:15		546	System for the direct detection of light-ions produced in nuclear reaction with fast neutrons	Jan Novák	DT - Detectors & techniques	DT-S7D1M2	46	Evaluation and measurement of thermal neutron scattering laws at reactor operating temperatures	Shinsuke Nakayama	Thermal scattering data	TS-S7D2M2
					Lunch break					Lunch break				
A1	14:20	14:40	0:20		610	Differential measurements of neutron-induced charged-particle reactions at LANSCE and impacts on nuclear applications	Sean Kuvin	DT - Detectors & techniques	DT-S7D1A1	34	Effect of Thermal Scattering Low of CaH ₂ moderator on the Core Reactivity of the Microreactor	Rei Kimura	Thermal scattering data	TS-S7D2A1
	14:40	14:55	0:15		609	Study of (n,α) reaction on O-16 and F-19 in support of nuclear power plants – First results of the SCALP project	François René LECOLLEY	DT - Detectors & techniques	DT-S7D1A1	348	Heterogeneous critical experiments in STACY facility with high sensitivity to water thermal scattering law	Mariya Brovchenko	Reactors Combined	TS-S7D2A1
	14:55	15:10	0:15		184	Design of a neutron time-of-flight spectrometer based on CLYC detectors for low energy neutron detection	Alberto Pérez de Rada Fiol	DT - Detectors & techniques	DT-S7D1A1	429	Uncertainty Characterization of Pulsed-Neutron Die-away Experiments for Validating Thermal Neutron Scattering Laws for Polyethylene and Polymethyl Methacrylate	Ruby Araj	Validation, verification and dissemination	TS-S7D2A1
	15:10	15:25	0:15		382	PISTA, a new detection system for transfer-induced fission in inverse kinematics at VAMOS	Lucas Bégue--Guillou	DT - Detectors & techniques	DT-S7D1A1	333	Thermal Neutron Scattering Developments at the RPI LINAC	Dominik Fritz	Thermal scattering data	TS-S7D2A1
	15:25	15:40	0:15		680	First characterization of commercial CRNS probes in neutron reference fields	María de los Ángeles Millán Callado	DT - Detectors & techniques	DT-S7D1A1	385	Measurements of thermal scattering cross-sections of mixtures of light and heavy water	Takafumi Tsujimoto	Thermal scattering data	TS-S7D2A1
	15:40	15:55	0:15		675	White Neutron Resonance Imaging Techniques at the CSNS Back-n Facility	Jingyu Tang	DT - Detectors & techniques	DT-S7D1A1	499	New thermal scattering libraries for beryllium metal and other polycrystalline materials including extinction effects	Douglas Di Julio	Thermal scattering data	TS-S7D2A1
					Coffee break					Coffee break				
A2	16:25	16:45	0:20							676	High temperature nuclear data measurements of SiC, ZrC, and MgO	Kemal Ramic	Reactors Combined	TS-S7D2A2
	16:45	17:00	0:15							30	Advancing Nuclear Data Evaluation Methods	Goran Arbanas	Thermal scattering data	TS-S7D2A2
	17:00	17:15	0:15							591	FLASSH - An Advanced Tool for Thermal Scattering Law Evaluation and Cross Section Generation	Nina Fleming	Thermal scattering data	TS-S7D2A2
	17:15	17:30	0:15							71	Estimation of Uncertainties on Thermal Scattering Cross-Section of Light Water at High Temperatures	Pierre Sole	Thermal scattering data	TS-S7D2A2

16TH NUCLEAR DATA

FOR SCIENCE AND TECHNOLOGY CONFERENCE

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17:30	17:45	0:15		
17:45	18:00	0:15		
18:00	19:30	1:30	Poster session	Poster session

83	Validation of Thermal Scattering Libraries of Water and Polyethylene Utilizing the RPI Pulsed-Neutron Die-Away Experimental Assembly	Benjamin Wang	Thermal scattering data	TS-S7D2A2
444	ENDF/B-VIII.1 Thermal Scattering Law (TSL) Benchmark Testing for Advanced Reactor and Criticality Applications	Nina Colby Fleming	Thermal scattering data	TS-S7D2A2