PROGRAMME

16TH NUCLEAR DATA

FOR SCIENCE AND TECHNOLOGY CONFERENCE

JUNE 22ND – 27TH
MADRID (SPAIN)
2025

16TH NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY CONFERENCE

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TOPICS SCIENTIFIC PROGRAMME

SUNDAY, JUNE 22ND

	Hall
06:00 - 08:00 PM	**Accreditation**
07:00 - 08:30 PM	**Welcome cocktail** (Room Florencia)

MONDAY, JUNE 23RD

	Room Madrid (Madrid 1+2+3)
08:00 AM	**Accreditation & Technical Secretariat** (08:00 AM - 06:15 PM)
09:00 AM	**Welcome** **Organising Committee- Daniel Cano-Ott.** General Chair Organising Committee **CIEMAT- Yolanda Benito.** CIEMAT Director General **NEA- Michael Fleming.** NEA - Head of Databank & Head of IT **MCIU- Eva Ortega.** Secretaria General Investigación - Ministerio de Ciencia, Innovación y Universidades
09:40 AM	**NEA and its role in nuclear data** **Michael Fleming.** NEA - Head of Databank & Head of IT
10:00 AM	**IAEA and its role in nuclear data** **Tzanka Kokalova-Wheldon.** IAEA - Director of Physical and Chemical Sciences in the Dept. of Nuclear Sciences and Applications
10:20 AM	Coffee break - Room Florencia
11:00 AM	**The Spanish nuclear industry** **Javier Díes.** CSN - CEIDEN
11:20 AM	**The JEFF project** **Arjan Plompen.** Head of Unit European Commission, Joint Research Centre, Geel, Belgium
11:45 AM	**The JENDL nuclear database** **Osamu Iwamoto.** Group Leader Japan Atomic Energy Agency
12:10 PM	**The CENDL nuclear database** **Xiaofei Wu.** Associate Researcher China Nuclear Data Center
12:35 PM	**The ENDF nuclear database** **Gustavo Nobre.** Scientist Brookhaven National Laboratory
01:00 PM	Group photo
01:10 PM	Free lunch break
03:00 PM	**The INDEN project and neutron standards** **Roberto Capote Noy.** Deputy Section Head IAEA Nuclear Data Section
03:25 PM	**The U.S. Nuclear Data Program** **David Brown.** Senior Scientist Brookhaven National Laboratory
03:50 PM	**APRENDE, the European Nuclear data Project** **Daniel Cano Ott.** Head of the Nuclear Innovation Unit CIEMAT
04:15 PM	**The n_TOF facility** **Michael Bacak.**Postdoctoral Researcher Technische Universitaet Wien
04:40 PM	Coffee break - Room Florencia
05:20 PM	**The GELINA facility** **Carlos Paradela Dobarro.** Scientific Officer European Commission Joint Research Centre
05:45 PM	**The NFS facility** **Xavier Ledoux.** Physicist GANIL
06:10 PM	**The IFMIF DONES facility: where fusion meets nuclear data** **Ángel Ibarra.** Director IFMIF-DONES España
06:35 PM	

TUESDAY, JUNE 24TH

	Session 1 Room Madrid 3	Session 2 Room Madrid 4	Session 3 Room Amsterdam	Session 4 Room Madrid 1	Session 5 Room Helsinki	Session 6 Room Madrid 2	Session 7 Room Glasgow
08:15 AM	**Accreditation & Technical Secretariat** (08:15 AM - 07:30 PM)						
09:00 - 10:40 AM 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
10:40 AM	Coffee break - Room Florencia						
11:20 AM - 01:00 PM 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
01:00 PM	Free lunch break						
02:30 - 04:05 PM 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
04:05 PM	Coffee break - Room Florencia						
04:45 - 06:20 PM A2	**Nuclear reactors** NR-S1D1A2	**Uncertainties & validation** UV-S2D1A2	**Medical Applications** MA-S3D1A2	**Astrophysics** AP-S4D1A2	**Nuclear Structure** NS-S5D1A2	**Fusion** FU-S6D1A2	
06:20 - 07:30 PM	**Poster session** - Room Florencia						

WEDNESDAY, JUNE 25TH

	Session 1 Room Madrid 3	Session 2 Room Madrid 4	Session 3 Room Amsterdam	Session 4 Room Madrid 1	Session 5 Room Helsinki	Session 6 Room Madrid 2	Session 7 Room Glasgow
08:00 AM	**Accreditation & Technical Secretariat** (08:15 AM - 19:30 PM)						
09:00 - 10:40 AM M1	**Nuclear reactors** NR-S1D2M1	**Uncertainties & validation** UV-S2D2M1	**Reaction Measurements** RM-S3D2M1	**Fission Yields** FY-S4D2M1	**Evaluation** EV-S5D2M1	**Dissemination and processing** DP-S6D2M1	**Detectors & Techniques** DT-S7D2M1
10:40 AM	Coffee break - Room Florencia						
11:20 AM - 01:00 PM M2	**Nuclear reactors** NR-S1D3M2	**Uncertainties & validation** UV-S2D2M2	**Nuclear Theory** NT-S3D2M2	**Fission Yields** FY-S4D2M2	**Astrophysics** AP-S5D2M2	**Dissemination and processing** DP-S6D2M2	**Thermal scattering** TS-S7D2M2
01:00 PM	Free lunch break						
02:30 - 04:05 PM A1	**Medical Applications** MA-S1D2A1	**Facilities** FA-S2D2A1	**Nuclear Theory** NT-S3D2A1	**Nuclear Structure** NS-S4D2A1	**Astrophysics** AP-S5D2A1	**Reaction Measurements** RM-S6D2A1	**Thermal scattering** TS-S7D2A1
04:05 PM	Coffee break - Room Florencia						
04:45 - 06:20 PM A2	**Medical Applications** MA-S1D2A2	**Facilities** FA-S2D2A2	**Monte Carlo simulation** MC-S3D2A2				**Thermal scattering** TS-S7D2A2
06:20 - 07:30 PM	**Poster session** - Room Florencia						

THURSDAY, JUNE 26TH

	Session 1 Room Madrid 3	Session 2 Room Madrid 4	Session 3 Room Amsterdam	Session 4 Room Madrid 1	Session 5 Room Helsinki	Session 6 Room Madrid 2
08:15 AM	**Accreditation & Technical Secretariat** (08:15 AM - 07:30 PM)					
09:00 - 10:40 AM M1	**Nuclear reactors** NR-S1D3M1	**Uncertainties & validation** UV-S2D3M1	**Reaction Measurements** RM-S3D3M1	**Fission Yields** FY-S4D3M1	**Evaluation** EV-S5D3M1	**Criticality safety** CS-S6D3M1
10:40 AM	Coffee break - Room Florencia					
11:20 AM - 01:00 PM M2	**Nuclear reactors** NR-S1D3M2	**Uncertainties & validation** UV-S2D3M2	**Reaction Measurements** RM-S3D3M2	**Fission Yields** FY-S4D3M2	**Evaluation** EV-S5D3M2	**Criticality safety** CS-S6D3M2
13:00 PM	Free lunch break					
02:30 - 04:05 PM A1	**Medical Applications** MA-S1D3A1	**Uncertainties & validation** UV-S2D3A1	**Reaction Measurements** RM-S3D3A1	**Nuclear Theory** NT-S4D3A1	**Machine learning** ML-S5D3A1	**Criticality safety** CS-S6D3A1
04:05 PM	Coffee break - Room Florencia					
04:45 - 05:50 PM A2	**Medical Applications** MA-S1D3A2		**Reaction Measurements** RM-S3D3A2	**Nuclear Theory** NT-S4D3A2	**Machine learning** ML-S5D3A2	
05:50 - 07:00 PM	**Poster session** - Room Florencia					
08:30 PM	**Conference Dinner & Awards Ceremony** - Room Europa					

FRIDAY, JUNE 27TH

	Room Madrid (Madrid 1+2+3)
08:00 AM	Accreditation & Technical Secretariat (08:00 AM - 13:15 PM)
09:00 AM	**Advances in nuclear reaction codes** **Arjan Koning.** Section Head IAEA
09:25 AM	**Nuclear data for fission technologies** **Maëlle Kerveno.** Research director CNRS/IPHC
09:50 AM	**Nuclear data for nuclear astrophysics** **Alberto Mengoni**
10:15 AM	**Nuclear data for medical applications** **Syed Qaim.** Forschungszentrum Jülich, Germany
10:40 AM	**Nuclear data for fusion** **Mark Gilbert.** Head of Science Programme UKAEA
11:05 AM	Coffee break - Room Florencia

11:45 AM	**Improving nuclear structure and decay data** **Alejandro Algora.** Staff researcher IFIC (CSIC-Univ. of Valencia)
12:10 PM	**Towards the next generation of instruments and methods for nuclear data measurements** **Carlos Guerrero Sánchez.** Head of Basic Nuclear Physics Universidad de Sevilla / Centro Nacional de Aceleradores (CNA)
12:35 PM	**Overview the ND2025** **Mark Chadwick.** Associate Laboratory Director Los Alamos National Laboratory
12:55 PM	**Next ND2028 - announcement**
01:10 PM	**Conference closure** **Daniel Cano Ott.** General Chair Orginising Committee and Head of the Nuclear Innovation Unit CIEMAT
01:35 PM	Free lunch break

SESSION 1 - ROOM MADRID 3

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	NR - Nuclear reactors | NR-S1D1M1 Chair person: **Yaron Danon**	**NR - Nuclear reactors** | NR-S1D2M1 Chair person: **Arjan Plompen**	**NR - Nuclear reactors** | NR-S1D3M1 Chair person: **Yaron Danon**
09:00 AM	50Cr and 53Cr (n,γ) cross sections measurements at n_TOF and HiSPANoS. **Pablo Pérez Maroto** *(0:20)*	Recent Fission Neutron Spectra Measurements with Chi-Nu at LANSCE. **Matthew Devlin** *(0:20)*	Neutron inelastic cross section measurements on 14N at GELINA. **Andreea Oprea** *(0:20)*
09:20 AM	151Sm neutron-induced capture cross section measurement with DANCE. **Esther Leal Cidoncha** *(0:20)*	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** *(0:20)*	238U(n, xng) measurements at the new SPIRAL2/NFS facility. **Maëlle Kerveno** *(0:20)*
9:40 AM	Neutron capture measurement data of 166Er using n_TOF facility at CERN. **Rudra Narayan Sahoo** *(0:15)*	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** *(0:15)*	Improvement of the 238U level scheme using γ-γ-coincidences spectroscopy. **Carole Chatel** *(0:15)*
9:55 AM	High precision 209Bi(n,γ) cross section measurement at n_TOF EAR2. **Gabriel de la Fuente Rosales** *(0:15)*	Measurement of 242Pu(n,f) in the [1;2MeV] energy range. **Ludovic Mathieu** *(0:15)*	Time-of-flight neutron-induced reaction cross section measurements on natCu at the GELINA facility. **Maria Diakaki** *(0:15)*
10:10 AM	Measurement of the neutron radiative capture cross section of 209Bi. **Jing Liu** *(0:15)*	First results of the 243Am(n,f) cross section measurement at the n_TOF facility at CERN. **Nikolaos Kyritsis** *(0:15)*	Neutron-induced inelastic cross sections on 40Ca measured at GELINA. **Boromiza Marian** *(0:15)*
10:25 AM	209Bi and 206Pb transmission measurements at GELINA. **Pablo Romojaro** *(0:15)*		Measurement of the 19F neutron inelastic scattering cross section. **Jisk Knijpstra** *(0:15)*
10:40 AM	COFFEE BREAK - Room Florencia		
	NR - Nuclear reactors | NR-S1D1M2 Chair person: **Emilio Mendoza**	**NR - Nuclear reactors** | NR-S1D2M2 Chair person: **Arnd Junghans**	**NR - Nuclear reactors** | NR-S1D3M2 Chair person: **Maria Diakaki**
11:20 AM	Cross-section measurements of the Pu-239 neutron capture and fission at the ne_TOF time-of-flight facility at CERN. **Adrian Sanchez Caballero** *(0:20)*	Prompt fission neutron spectra and mulitiplicities of U-238(n,f). **Julien Taieb** *(0:20)*	An update on the inelastic measurements on 56Fe. **Alexandru Negret** *(0:20)*
11:40 AM	239Pu + n measurement at DICER using an isotopically pure sample. **Thanos Stamatopoulos** *(0:20)*	Prompt neutron multiplicity measurement in the resolved resonance region of the 239Pu(n, f) reaction with the SCINTIA device. **Olivier Serot** *(0:20)*	Shaping Nuclear Data: The influence of GAINS spectrometer on evaluation. **Adina Coman** *(0:20)*
12:00 PM	Measurement of the Pu-239(n,f)/U-235(n,f) Cross Section Ratio with the fission Time Projection Chamber. **Lucas Snyder** *(0:15)*	Measurement of Doppler Effect for Metallic Fuel Alloy Nb Using Pulsed Neutron Source. **Yoshiyuki Takahashi** *(0:15)*	Study of neutron-induced reactions on 63,65Cu at the n_TOF facility. **Nicholas Pieretti** *(0:15)*
12:15 PM	Study of uranium 238 fast-neutron induced fission. **Gilbert Belier** *(0:15)*	Results of the measurement of the 167Er(n,γ) cross-section at n_TOF, CERN. **Victor Alcayne Aicua** *(0:15)*	Fast-neutron induced transmission of nat-Zr. **Arnd Junghans** *(0:15)*
12:30 PM	Measurement of the 233U(n,f) cross-section in the MeV region using Micromegas detectors. **Maria Diakaki** *(0:15)*		
12:45 PM			
01:00 PM	FREE LUNCH BREAK		

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	NR - Nuclear reactors | NR-S1D1A1 Chair person: **Thanos Stamatopoulos**	**MA - Medical applications** | MA-S1D2A1 Chair person: **Zeynep Talip**	**MA - Medical applications** | MA-S1D3A1 Chair person: **Syed M. Qaim**
02:30 PM	Quasi-differential neutron scattering in the keV energy range. **Yaron Danon** *(0:20)*	Study of photon- and neutron-induced reactions of medical interest at JRC Geel. **Andrea Tsinganis** *(0:20)*	Cross-sections measurements of alpha particles induced reactions on natural europium target for the production of theranostic terbium radioisotopes. **Michele Colucci** *(0:20)*
02:50 PM	Experimental study of neutron scattering cross sections and angular distributions on 56Fe. **Georgios Gkatis** *(0:15)*	Production Cross Section Measurements of the natNi(d,x)61Cu Reaction. **Laurine Puren** *(0:15)*	Nuclear excitation functions for medical isotope production: targeted radionuclide therapy via natIr(d,x)193mPt. **Hannah Lovise Okstad Ekeberg** *(0:15)*
03:05 PM	New high-resolution measurement of 56Fe(n, γ) at n TOF-EAR1 for Nuclear Technology. **Aparna Basavaraja Allannavar** *(0:15)*	Optimizing 161Ho Production for Preclinical Applications: Cross-section and Yield Measurements Using Proton Beams. **Edoardo Renaldin** *(0:15)*	Recent developments in measurement and modelling of thermal neutron cross sections of hydrogen-rich materials. **Margherita Simoni** *(0:15)*
03:20 PM	Measurement and analysis of the neutron total and capture cross-sections of natEr at the ANNRI beamline of J-PARC. **Gerard Rovira** *(0:15)*	Nuclear excitation functions for natZr(d,x) reactions with focus on the PET/theranostic candidate 86Y. **Elise Malmer Martinsen** *(0:15)*	Modeling Production of Medical Terbium Radioisotopes with Nuclear-Reaction Codes. **Francesca Barbaro** *(0:15)*
03:35 PM	Study of the 234U(n,f) cross-section in the 450-900 keV energy range using Micromegas detectors. **Michael Kokkoris**	Prompt Gamma-Ray Yield Measurements for Treatment Verification in Proton Therapy. **Konstantin Urban** *(0:15)*	Optimized Production and Purification of High-Purity Pb-203 for Theranostic Applications Using Enriched Tl-205 Targets. **Thomas Sounalet** *(0:15)*
03:50 PM		Measurement of production cross sections for the proton induced reactions on natural iron in the energy region up to 100 MeV. **Sung-Chul Yang** *(0:15)*	Range monitoring in protontherapy using prompt-gamma radiation from contrast agents. **Luis Mario Fraile** *(0:15)*
04:05 PM	COFFEE BREAK - Room Florencia		
	NR - Nuclear reactors | NR-S1D1A2 Chair person: **Carlos Paradela**	**MA - Medical applications** | MA-S1D2A2 Chair person: **Andrea Tsinganis**	**MA - Medical applications** | MA-S1D3A2 Chair person: **Syed M. Qaim**
04:45 PM	Measurement of the U-238(n,γ) cross section at n_TOF. **Emilio Mendoza Cembranos** *(0:20)*	The Proton Activation Data File PADF-2. **Alexander Konobeev** *(0:20)*	Measurement of the 35Cl(n,p)35S cross-section at CERN facility n_TOF EAR2 from subthermal energy to resonance region. **Marco Antonio Martínez Cañadas** *(0:20)*
05:05 PM	Transmission, Neutron Radiative Capture Yield Measurements, and a New Resolved Resonance Region Evaluation for Fe54. **Yaron Danon** *(0:15)*	Double differential cross section of Al(p,xp) reaction in the kinetic energy region between 0.4 and 3 GeV. **Shin-ichiro Meigo** *(0:15)*	Benchmark of Geant4 hadronic models for secondary particles production in carbon-therapy. **Vanstalle Marie** *(0:15)*
05:20 PM	High energy neutron capture cross-section measurement of 99Tc. **Maxwell Maloney** *(0:15)*	Measurement of differential cross sections of 14N(n, p)14C reaction in the 0.1-6.0 MeV energy region. **Wei Jiang** *(0:15)*	The FOOT Experiment: Nuclear Fragmentation Reaction Cross Sections for Hadrontherapy and Radioprotection. **Roberto Zarrella** *(0:15)*
05:35 PM	Cross Section Measurements and Theoretical Study of Neutron Induced Reactions on Mo Isotopes. **Rosa Vlastou** *(0:15)*	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** *(0:15)*	Optimization of 155Tb production via 155Gd(p,n)155Tb for medical applications. **Morgane Bouteculet** *(0:15)*
05:50 PM		Nuclear Data of Radiolanthanides for Astrophysics and Nuclear Medicine. **Zeynep Talip** *(0:15)*	
06:05 PM			**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 2 - ROOM MADRID 4

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	FA - Facilities | FA-S2D1M1 Chair person: **Xavier Ledoux**	**UV - Uncertainties & validation** | UV-S2D2M1 Chair person: **Henrik Sjöstrand**	**UV - Uncertainties & validation** | UV-S2D3M1 Chair person: **Nuria García**
09:00 AM	First Beam Commissioning for Neutron Production at the RAON Facility. **Geonhee Oh** *(0:20)*	Combining energy dependent and integral data measurements for application specific resonance parameters of Uranium and Plutonium isotopes. **Mathieu Hursin** *(0:20)*	Chlorine Validation Through Novel Integral Critical Experiments. **Eric Aboud** *(0:20)*
09:20 AM	A new high-intensity beamline for nuclear data research at the JRC's MONNET accelerator. **Cristiano Lino Fontana** *(0:20)*	Analysing Differences of Evaluated Nuclear Data for 235U, 238U, and 239Pu in the Fast Energy Region with a Focus on Angular Distributions. **Oscar Cabellos** *(0:20)*	On the verification of state-of-the-art nuclear data evaluations for a LFR. **Pablo Romojaro** *(0:20)*
9:40 AM	Fixing the reactor-relevant 135Xe (n,gammma) reaction cross section with the beta-Oslo method. **Darren Bleuel** *(0:15)*	Nuclear data uncertainty propagation for the MOX burnup benchmark case BM5 using SANDY. **Luca Fiorito** *(0:15)*	Nuclear Data Sensitivity Analysis of Key Parameters for eVinci-like Heat Pipes Nuclear Microreactors. **Ismael Manzano Romero** *(0:15)*
9:55 AM	Neutron field of cyclotron-based p(27)+Be fast neutron source at NPI Rez. **Milan Stefanik** *(0:15)*	Method to Isolate Scattering and Fission Contributions from a 235U Quasi-Differential Time-of-Flight Measurement. **Adam Daskalakis** *(0:15)*	Fast-reactor neutron sources in evaluated nuclear data library validation. **Aaron Hurst** *(0:15)*
10:10 AM	Initial progress towards direct measurement of neutron-induced reactions in inverse kinematics with the Neutron Target Demonstrator. **Juan Manfredi** *(0:15)*	New Quasi-Differential Neutron Scattering of Tantalum and Fluorine from 0.65 to 20 MeV. **Gregory Siemers** *(0:15)*	Verification of and Evaluation Workflow for Neutron Damage Cross Sections. **Jesse Holmes** *(0:15)*
10:25 AM	Double differential neutron induced cross sections on Fe-nat and C-nat in the 2 MeV - 40 MeV energy range. **Lucas de Arruda** *(0:15)*	Impact of Iron-56 Covariance Data on Reactor Vessel Fluence Predictions: A Comparative Analysis. **Juan Antonio Monleon de la Lluvia** *(0:15)*	On the potential of H.B. Robinson-2 benchmark for nuclear data validation. **Alejandro Marro** *(0:15)*
10:40 AM	COFFEE BREAK - Room Florencia		
	UV - Uncertainties & validation | UV-S2D1M2 Chair person: **Oscar Cabellos**	**UV - Uncertainties & validation** | UV-S2D2M2 Chair person: **Henrik Sjöstrand**	**UV - Uncertainties & validation** | UV-S2D3M2 Chair person: **Nuria García**
11:20 AM	Impact of nuclear data on advanced reactors key metrics. **Germina Procop** *(0:20)*	Time Evolution of Prompt Fission Gamma Rays. **Ionel Stetcu** *(0:20)*	Impact of Thermal Neutron Induced Fission Product Yields Evaluations on LWR Calculation Outcomes. **David BERNARD** *(0:20)*
11:40 AM	Nuclear data uncertainty propagation to the VENUS-F measurements: a multiple-core study. **Federico Grimaldi** *(0:20)*	Nuclear data sensitivity and uncertainty study of copper-reflected integral experiments. **Jesson Hutchinson** *(0:20)*	Lilith: A New Plutonium Critical Assembly. **George Mckenzie** *(0:20)*
12:00 PM	Neutronics effect of NaCl in the VENUS-F fast reactor. **Antonin Krasa** *(0:15)*	Validation of the ENDF/B-VIII.1 Nuclear Data Library in GNDS format with METIS. **Marie-Anne Descalle** *(0:15)*	Assessment of the effect of chlorine insertion in the LR-0 reference neutron field on neutron transport. **Tomas Peltan** *(0:15)*
12:15 PM	Sensitivity and uncertainty analysis of nuclear systems under Euratom APRENDE project. **Vicente Bécares-Palacios** *(0:15)*	Application of NECP-SOUL in Nuclear Data Adjustment for Fast Reactor. **Zerun Lu** *(0:15)*	Comparison of JEFF-3.3 and ENDF/B-VIII.0 libraries for LWR spent fuel characterization. **Francisco Álvarez-Velarde** *(0:15)*
12:30 PM	Propagating New Vanadium-51 Covariances to Critical Assemblies. **Nathan Gibson** *(0:15)*	The Influence of the Inconsistent Criticality Experiments on the Cross-Section Adjustment. **Kai Fan** *(0:15)*	Nuclear Data Validation Using LWR Measurements: Insights from the OECD/NEA TVA-WB1 Benchmark. **Iñigo Gayo de Leon** *(0:15)*
12:45 PM	Sensitivity Analysis for the GFR2400 Reactor Using SCALE6.3 and SERPENT2.2 Codes. **Otto Glavo** *(0:15)*	Comparative Analysis of Decay Heat in Spent Nuclear Fuel: Measurements Versus Calculations Using Multiple Nuclear Data Libraries with Serpent2. **Sofia Portolan** *(0:15)*	
01:00 PM	FREE LUNCH BREAK		

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	UV - Uncertainties & validation | UV-S2D1A1 Chair person: **Oscar Cabellos**	**FA - Facilities** | FA-S2D2A1 Chair person: **Atsushi Kimura**	**UV - Uncertainties & validation** | UV-S2D3A1 Chair person: **Matthieu Hursin**
02:30 PM	Towards evaluating target accuracies in experimental correlations among criticality experiments for reliable data assimilation studies. **Nuria García Herranz** *(0:20)*	New measurements of capture gamma rays at UMass Lowell Research Reactor. **Marian Jandel** *(0:20)*	Intercomparison of the Status of Modern Covariance Matrices for Fission and Fusion Applications. **Ivan A. Kodeli** *(0:20)*
02:50 PM	Quantification Coverage for Experimental Error and Uncertainty Recovery. **Ugur Mertyurek** *(0:15)*	The VENOM (Variable Energy Neutron Output Machine) Project. **Verity Woolhead** *(0:15)*	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** *(0:15)*
03:05 PM	The Nuclear data Evaluation Pipeline of Uppsala university (NEPU) – addressing model defects and data inconsistencies. **Henrik Sjöstrand** *(0:15)*	Systematic characterization of the neutron flux of CSNS Back-n facility. **Yijia Qiu** *(0:15)*	Study on the sensitivity and uncertainty of NELSON Number Method in βeff measurement. **Lingli Song** *(0:15)*
03:20 PM	Comparative Analysis of the ENDF/B-VIII.1 and JEFF-4.0 Nuclear Data Libraries Using Criticality and Depletion Benchmarks. **Julia Bartos** *(0:15)*	DICER64: Upgraded capabilities of a neutron transmission instrument at LANSCE. **Thanos Stamatopoulos** *(0:15)*	Benchmark Development for Neutron Capture Gamma-Ray Cascades. **Ian Parker** *(0:15)*
03:35 PM	Benchmarking of ENDF/B-VIII.1 and Other New Evaluated Nuclear Data Libraries. **Huanyu Zhang** *(0:15)*	Experimental nuclear physics at the ASP facility. **Verity Woolhead** *(0:15)*	A measurement of spectrum averaged cross sections in the benchmark LR-0 reference field. **Alena Krechlerova** *(0:15)*
03:50 PM			
04:05 PM	COFFEE BREAK - Room Florencia		
	UV - Uncertainties & validation | UV-S2D1A2 Chair person: **Jesson Hutchinson**	**FA - Facilities** | FA-S2D2A2 Chair person: **Atsushi Kimura**	
04:45 PM	Reevaluation of the Flattop-HEU Benchmark Model for Nuclear Data Validation. **Kristin Stolte** *(0:20)*	Understanding and Enhancing Spallation Targets at LANSCE. **Thanos Stamatopoulos** *(0:20)*	
05:05 PM	Comparison of Monte Carlo-based techniques for the analysis of PNDA experiments. **Valeria Raffuzzi** *(0:15)*	Developments and future prospects for neutron induced inelastic cross section measurements at CERN n_TOF. **Michael Bacak** *(0:15)*	
05:20 PM	Validation of fluorine cross section by set of integral experiments. **Tomas Czakoj** *(0:15)*	Current Status and Experiments of the Back-n White Neutron Facility. **Ruirui Fan** *(0:15)*	
05:35 PM	Integral Experiment Validation of Hafnium with TEX-HEU and TEX-Hf. **Jesse Norris** *(0:15)*	Neutron Beam Characterization at the NEAR Station of the n_TOF Facility at CERN with a Diamond Detector. **Kalliopi Kaperoni** *(0:15)*	
05:50 PM		Spectral-averaged neutron capture cross section measurements by means of the activation technique at the CERN n_TOF NEAR station. **Sotirios Alexandros Kopanos** *(0:15)*	**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:05 PM			
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 3 - ROOM AMSTERDAM

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	DP - Dissemination & processing | DP-S3D1M1 Chair person: **Jean-Christophe Sublet**	**RM - Reaction measurements** | RM-S3D2M1 Chair person: **Carlos Guerrero**	**RM - Reaction measurements** | RM-S3D3M1 Chair person: **Emilio Mendoza**
09:00 AM	The ENDF/B-VIII.1 release: Past, Present and Future of the ENDF/B library. **Gustavo Nobre** *(0:20)*	Estimating (n, xn) Cross-Sections on Tungsten Isotopes using insights from (n, xn γ) measurements. **Greg Henning** *(0:20)*	Feasibility study of the measurement of fast neutron-induced reactions with a laser-driven neutron beam. **María de los Ángeles Millán Callado** *(0:20)*
09:20 AM	Progress on the CENDL-4.0. **Nengchuan SHU** *(0:20)*	Study of the 191,193Ir(n,tot) reactions at DICER at LANSCE. **Thanos Stamatopoulos** *(0:20)*	Study on the partial and total photoneutron cross sections in CNDC. **Xi Tao** *(0:20)*
9:40 AM	The Future of FENDL. **Georg Schnabel** *(0:15)*	24Mg (n,n') measurement at n TOF, CERN. **Matthew Birch** *(0:15)*	Photoactivation of 209Bi with laser induced bremsstrahlung using DRACO. **Jose Benlliure** *(0:15)*
9:55 AM	JEFF-4 proton induced library. **Alexey Stankovskiy** *(0:15)*	Determining neutron-induced reaction cross sections with surrogate reactions in inverse kinematics at heavy-ion storage rings. **Camille Berthelot** *(0:15)*	Development of a Detection Technique for Nuclear Materials Using High-Energy Gamma-Rays from the 7Li(p,g)8Be Reaction. **Tatsuya Katabuchi** *(0:15)*
10:10 AM	Introducing ethical sustainability dilemmas in nuclear engineering education. **Henrik Sjöstrand** *(0:15)*	Measurement of (alpha,n) thick taget yields and cross-sections using the miniBELEN neutron counter. **Nil Mont-Geli** *(0:15)*	High energy photoneutron emission via resonance direct process. **Hayato Takeshita** *(0:15)*
10:25 AM			
10:40 AM	COFFEE BREAK - Room Florencia		
	DP - Dissemination & processing | DP-S3D1M2 Chair person: **Gustavo Nobre**	**NT- Nuclear theory** | NT-S3D2M2 Chair person: **Ramona Vogt**	**RM - Reaction measurements** | RM-S3D32M2 Chair person: **Sean Kuvin**
11:20 AM	Progress Towards International GNDS Adoption. **Caleb Mattoon** *(0:20)*	Monte Carlo evaluation of the semiclassical multi-step direct reaction series. **Brett V Carlson** *(0:20)*	Study of fission using multinucleon transfer reaction. **Katsuhisa Nishio** *(0:20)*
11:40 AM	Progress in international collaboration on EXFOR project. **Naohiko Otsuka** *(0:20)*	Refining Inelastic Scattering Models: Applications to Nuclear Structure and Reaction Mechanisms. **Marc Dupuis** *(0:20)*	Fission studies using quasi-free scattering reactions in inverse kinematics. **Jose Benlliure** *(0:20)*
12:00 PM	Decay Data and Processing in GNDS. **Vincent Cheung** *(0:15)*	A Theoretical Study on the Half-life of Bound-State Beta Decay (BSBD) of Excited Long-Lived Fission Products. **Jaehyeong Jang** *(0:15)*	Insights into the angular momentum of compound nuclei populated in fragmentation-induced fission reactions of 236U. **Jose Luis Rodriguez Sanchez** *(0:15)*
12:15 PM	Developments of IAEA Nuclear Data Explorer: Experimental and Evaluated Nuclear Data Libraries Visualization and Retrieval System. **Shin Okumura** *(0:15)*	Microscopic Extraction of Static Polarizabilities of Heavy Odd Nuclei. **Ibrahim Abdurrahman** *(0:15)*	Photonuclear Developments at the RPI LINAC. **Dominik Fritz** *(0:15)*
12:30 PM	A curated object-oriented database of experimental fission yields. **Andrea Mattera** *(0:15)*	Consistent modeling of fission product yields and other fission observables. **Amy Lovell** *(0:15)*	Study of multinucleon transfer reactions using JAEA Recoil Mass Separator. **Fumi Suzaki** *(0:15)*
12:45 PM	Modernizing Nuclear Reaction Data Management: Leveraging Open Source Project Management Practices, Version Control, Automation, and Open Source Solutions for Future Proof Projects. **Julia Sprenger** *(0:15)*	Using microscopic fission theory inputs to compute independent yields and the fission spectrum. **Nicolas Schunck Schunck** *(0:15)*	
01:00 PM	FREE LUNCH BREAK		

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	MA - Medical applications | MA-S3D1A1 Chair person: **Daniel López Aldama**	**NT- Nuclear theory** | NT-S3D2A1 Chair person: **Gregory Potel**	**RM - Reaction measurements** | RM-S3D3A1 Chair person: **Maëlle Kerveno**
02:30 PM	Neutron spectra measurements with CIEMAT-BSS around the research reactor RA-6 at Centro Atómico de Bariloche. **Roberto Méndez** *(0:20)*	Description of fission process including intrinsic excitations–Application to Pu240. **Nathalie Pillet** *(0:20)*	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** *(0:20)*
02:50 PM	Understanding the status of nuclear data on medical RI production using the CCONE code system. **Seiya Sakai** *(0:15)*	Microscopic coupled-channels optical potential for nucleon interaction with fission nuclei. **Hairui Guo** *(0:15)*	PolFEL–the new Free Electron Laser research infrastructure in Poland. **Marcin Bielewicz** *(0:15)*
03:05 PM	Verified nuclear data library for KERMA and DPA evaluation. **Shengli Chen** *(0:15)*	Resolving the multigroup charged particle transport dilemma below 1 keV. **Ahmed Naceur** *(0:15)*	Measurement of (g,n) cross sections with bremsstrahlung photons. **Bernat Ballester** *(0:15)*
03:20 PM	Measurement of proton beam energy distribution using GRAVEL unfolding method in activation analysis. **Dal-Ho Moon** *(0:15)*	Six-dimensional Langevin approach to fission with Cassini shape parameterization. **Kazuki Okada** *(0:15)*	Correlation experiments in photon-induced fission. **Vincent Wende** *(0:15)*
03:35 PM	Indirect Measurement of Sr-85(n,γ) cross-sections by surrogate reaction method. **Jing Feng** *(0:15)*		Improving the accuracy of thermal neutron capture gamma-rays on Ni isotopes with FAIRARRAY at UMass Lowell Research Reactor. **Marian Jandel** *(0:15)*
03:50 PM	Manufacturing and Characterization of Gd Targets for the Production of Terbium Radionuclides for Nuclear Medicine. **Vanessa Rhoden** *(0:15)*		Investigating Gas Production in Neutron-Irradiated Copper Using the Medley Setup at GANIL. **Stewart Rasmusen** *(0:15)*
04:05 PM	COFFEE BREAK - Room Florencia		
	MA - Medical applications | MA-S3D1A2 Chair person: **Zeynep Talip**	**MC - Monte Carlo simulation** | MC-S3D2A2 Chair person: **Emilio Mendoza**	**RM - Reaction measurements** | RM-S3D3A2 Chair person: **Maëlle Kerveno**
	Cross section measurements for the cyclotron production of the theranostic 47Sc radionuclide using enriched 48,49,50Ti targets. **Lucia De Dominicis** *(0:20)*	An improved FLUKA fission model and other recent developments. **Stefano Marin** *(0:20)*	Elastic and Inelastic Scattering Cross Section Measurements with the Correlated Gamma-Neutron Array for sCattering (CoGNAC) at LANL. **Nicholas Mendez** *(0:20)*
04:45 PM	Comparing fetal doses in radiotherapy with photons and protons using a Pregnant-female Mesh-type Reference Computational Phantoms (MRCPs) based on ICRP publications. **Gonzalo F. García-Fernández** *(0:15)*	Recent improvements of Geant4 Neutron-HP package, validated against reference neutron transport codes. **Thulliez Loic** *(0:15)*	Total Neutron Cross-section Measurements on Liquid Oxygen Using Continuous Fast Neutron Spectrum from p+Be Reaction. **Martin Ansorge** *(0:15)*
05:05 PM	Production and Testing of IRDFF-II-Based Dosimetry Cross Section Library for Least-Squares Neutron Spectrum Adjustments in LWR Dosimetry Applications. **Greg Fischer** *(0:15)*	Processing and Integration of Nuclear Data into FLUKA's Fifth Generation. **Philippe Schoofs** *(0:15)*	Preliminary Results of 12C Neutron Elastic Scattering using CoGNAC at the LANSCE White Neutron Source. **Nicholas Mendez** *(0:15)*
05:20 PM	Measurements of Thermal Capture Gamma-rays from Manganese. **Alex Howe** *(0:15)*	12C+12C Reaction Cross-Sections with Antisymmetrized Molecular Dynamics and PHITS for heavy particle therapy. **Yuta Mukobara** *(0:15)*	
05:35 PM	Measurement of natZn(p,x) and natNi(p,x) Cross Sections for Theranostic Applications. **Mohammad Eslami** *(0:15)*	Model bias and parameter optimisation with the example of INCL/ABLA. **Jason Hirtz** *(0:15)*	
05:50 PM	Optimizing Nuclear Cross-Section Data for 47Sc Production Using Genetic Algorithms. **Luciano Canton** *(0:15)*		**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:05 PM			
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 4 - ROOM MADRID 1

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	DT - Detectors & techniques | DT-S4D1M1 Chair person: **Michael Bacak**	**FY - Fission yields** | FY-S4D2M1 Chair person: **Laurent Gaudefroy**	**FY - Fission yields** | FY-S4D3M1 Chair person: **Grégoire Kessedjian**
09:00 AM	Neutron detection applications with an XY Micromegas detector. **Georgios Tsiledakis** *(0:20)*	Measurement of the 99Y isomeric ratio in the 239,241Pu(nth,f) reactions with the LOHENGRIN spectrometer. **Grégoire Kessedjian** *(0:20)*	Isomeric yield ratios from mass measurement techniques for studies in fission dynamics. **Stephan Pomp** *(0:20)*
09:20 AM	A new detector system for surrogate reaction studies using solar cells. **Hiroyuki Makii** *(0:20)*	Isotopic fission fragments yields in the Thorium region produced in inverse-kinematics with a 232Th beam. **Alex Cobo Zarzuelo** *(0:20)*	Development of the fission yield studies at the IGISOL. **Heikki Penttilä** *(0:20)*
9:40 AM	Conceptual design of a novel gaseous scintillator neutron detector for nuclear data measurement. **Jianqi Chen** *(0:15)*	Evaluation of fission yields based on experimental measurements and theoretical model calculations. **Zerun Lu** *(0:15)*	Fission dynamics Investigation using VAMOS++ spectrometer and Second arm. **Indu Jangid** *(0:15)*
9:55 AM	Development and testing of the DESPEC FIMP implanter. **Klemen Žagar** *(0:15)*	Pre-neutron mass yields evaluation of 235U(n_th,f). **Alessandro Regonesi** *(0:15)*	Fission mass yield measurements of 248-Cm(sf) and 252-Cf(sf) using the VERDI fission spectrometer. **Ana Maria Gomez Londono** *(0:15)*
10:10 AM	Advanced charged-particle detection at n_TOF/CERN utilizing a nTD Annular Silicon Detector. **Styliani Goula** *(0:15)*	From Wahl's Zp Model to Direct-Zp Model: Improved nuclear charge distribution of 235U(nth, f) and 239Pu(nth, f). **Sidi-Mohamed Cheikh** *(0:15)*	Angular momentum, deformation and excitation energy of fission fragments. **Gaudefroy Laurent** *(0:15)*
10:25 AM		Correlation Study of Prompt Fission Neutrons and Fragment Properties in 252Cf Spontaneous Fission. **Eli Temanson** *(0:15)*	
10:40 AM	COFFEE BREAK - Room Florencia		
	AP - Astrophysics & Space | AP-S4D1M2 Chair person: **Jorge Lerendegui**	**FY - Fission yields** | FY-S4D2M2 Chair person: **Laurent Gaudefroy**	**FY - Fission yields** | FY-S4D3M2 Chair person: **Grégoire Kessedjian**
11:20 AM	Nucleosynthesis in metal-poor stars to identify the first stars in the universe. **Takuma Suda** *(0:20)*	Rare fission yields of U-233 at LOHENGRIN. **Ali Al-Adili** *(0:20)*	Results on 235U(nth,f) isotopic fission yields using prompt and delayed gamma rays at FIPPS. **Thomas Materna** *(0:20)*
11:40 AM	Muon Nuclear Data Development Project. **Yukinobu Watanabe** *(0:20)*	Study of neutron-induced fission of 235U and 237Np with FALSTAFF detector at SPIRAL2/NFS. **Jean-Éric Ducret** *(0:20)*	Measurement of the 99Y isomeric ratio in the 239,241Pu(nth,f) reactions with the LOHENGRIN spectrometer. **Abdelhazize Chebboubi Chebboubi** *(0:20)*
12:00 PM	Investigating How Low Temperature Nuclear Data Affect Water Content Estimates of Martian Soil. **Kristofer Cottingham** *(0:15)*	Isomeric yield ratios and angular momenta of fission fragments in proton induced fission. **Andreas Solders** *(0:15)*	Fragment-correlated γ-ray emission from 252Cf(sf). **Ivan Tolstukhin** *(0:15)*
12:15 PM	Measurement of 28,29Si(n,g) Cross section and its implications in Astrophysics. **Francisco Garcia nfantes** *(0:15)*	Pre-neutron yields with the VAMOS++ spectrometer and its second arm. **Alexis Francheteau** *(0:15)*	Extracting isomeric yield ratios in fission fragments. **Henrik Haug** *(0:15)*
12:30 PM		Characterization of a time-of-flight system for the study of symmetric fission products with the LOHENGRIN spectrometer at ILL. **Grégoire Kessedjian** *(0:15)*	Fission Product Yield Studies from Neutron-Induced Fission. **Anton Tonchev** *(0:15)*
12:45 PM		Fission Product Yields Measurements via Synchrotron Based X-ray Fluorescence at NSLS-II. **MEHMET TOPSAKAL** *(0:15)*	Independent isotopic fission yields of 252Cf spontaneous fission via direct mass measurements at the FRS Ion Catcher. **Daler Amanbayev** *(0:15)*
01:00 PM	FREE LUNCH BREAK		

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	AP - Astrophysics & Space | AP-S4D1A1 Chair person: **Paraskevi Dimitriou**	**NS - Nuclear structure** | NS-S4D2A2 Chair person: **Luis Mario Fraile**	**NT- Nuclear theory** | NT-S4D3A1 Chair person: **Helmut Leeb**
02:30 PM	First measurement of the key s-process branching 79Se(n,γ) reaction at CERN n_TOF. **Jorge Lerendegui Marco** *(0:20)*	Decay properties of nuclei far from stability in the nuclear chart with the global nuclear mass model. **Hiroyuki Koura** *(0:20)*	Parameter Optimization of FREYA for 240Pu(sf). **Ramona Vogt** *(0:20)*
02:50 PM	Measurement of 30Si(n,γ) cross section at n_TOF. **Michele Spelta** *(0:15)*	Nuclear Data Evaluation: Visualization Technique of High-Spin Rotational Paths. **Ninel Nica** *(0:15)*	Energy spectrum of the scission neutrons and their contribution to the prompt fission neutron spectrum. **Olivier Serot** *(0:15)*
03:05 PM	Measurement of 64Ni(n,γ) cross section at n_TOF. **Michele Spelta** *(0:15)*	Mirror symmetry breaking in the 1/2+ resonant states in 9Be and 9B. **Odsuren Myamarjav** *(0:15)*	Fission Observables with CGMF and Applications to Nuclear Data Evaluations. **Ionel Stetcu** *(0:15)*
03:20 PM	Experimental extraction of neutron resonance parameters at 20-300 eV for 147,149Sm. **Xin-Xiang Li** *(0:15)*	Theoretical Calculation of Muon-Nuclear Capture Reactions Toward Muon Nuclear Data. **Futoshi Minato** *(0:15)*	First Fully Microscopic Description of Fission with Three Collective Dimensions. **Marc Verriere** *(0:15)*
03:35 PM	Neutron capture and total cross-section measurements on 94,95,96Mo at n_TOF and GELINA. **Riccardo Mucciola** *(0:15)*	Quasi-continuum Data for Nucleosynthesis and Nuclear Structure: The Cases of 180Ta and 153,155Sm. **Kgashane Malatji** *(0:15)*	HFB3: A new axial HFB solver with finite-range interactions for structure and fission studies. **Dubray Noël** *(0:15)*
03:50 PM			Shell model inputs for reactions in nuclear astrophysics and nuclear technologies. **Oliver Gorton** *(0:15)*
04:05 PM	COFFEE BREAK - Room Florencia		
	AP - Astrophysics & Space | AP-S4D1A2 Chair person: **Alberto Mengoni**		**NT- Nuclear theory** | NT-S4D3A2 Chair person: **Brett Carlsson**
	Impact of newly measured beta-delayed neutron data for nuclei close to 78Ni on light-element nucleosynthesis in neutron star mergers. **Alvaro Tolosa Delgado** *(0:20)*		R-matrix formalism for three-body channels. **Helmut Leeb** *(0:20)*
04:45 PM	Level density and photon strength functions in Tl-204. **Ingrid Knapova** *(0:15)*		Narrowing the Gap Between Theory and Evaluations: Angular Momentum Distributions in Fission Fragments. **Petar Marevic** *(0:15)*
05:05 PM	First measurement of angular differential and total fragmentation cross sections for 400 MeV/nucleon 16O on graphite and polyehtylene targets with the FOOT experiment. **Riccardo Ridolfi** *(0:15)*		Advancing Nuclear Data Evaluation Methods. **Goran Arbanas** *(0:15)*
05:20 PM	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 Solís** *(0:15)*		Indirect reactions and connection with R-matrix theory. **Gregory Potel Aguilar** *(0:15)*
05:35 PM	Comprehensive SiO2 cross section validation for various purposes. **Martin Schulc** *(0:15)*		
05:50 PM			**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:05 PM			
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 5 - ROOM HELSINKI

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	ST - Standards | ST-S5D1M1 Chair person: **Andrej Trkov**	**EV - Evaluation** | EV-S5D2M1 Chair person: **Osamu Iwamoto**	**EV - Evaluation** | EV-S5D3M1 Chair person: **Osamu Iwamoto**
09:00 AM	Re-evaluating the 252Cf(sf) PFNS standard factoring in AI/ML information on physics root causes of experimental bias. **Denise Neudecker** *(0:20)*	Nuclear structure model codes in support to neutron-induced cross-section evaluations. **Noguere Gilles** *(0:20)*	Toward a new evaluation of neutron induced reactions on U-233 for JEFF4. **Andrej Trkov** *(0:20)*
09:20 AM	Efforts Leading to a New Neutron Data Standards Evaluation. **Allan Carlson** *(0:20)*	R-matrix analysis of n+natCl reactions relevant to molten-salt reactor designs (*). **Marco Pigni** *(0:20)*	Update of the INDEN evaluation of fast neutron induced reactions on Pu-239. **Roberto Capote Noy** *(0:20)*
9:40 AM	Measurement of the 6Li(n,t)4He cross section at the Back-n white neutron source of CSNS. **Chen Hongkun** *(0:15)*	Random-matrix approach for generating cross sections in unresolved resonance region. **Kazuki Fujio** *(0:15)*	Theoretical calculation and evaluation for n+238U, 239Pu reactions. **Yinlu Han** *(0:15)*
9:55 AM	Measurement of 100-500keV n-p scattering cross section based on MTPC at CSNS Back-n white neutron source. **Haizheng Chen** *(0:15)*	Treating fluctuating cross-sections in the fast energy region using Gaussian processes. **Erik Sundén** *(0:15)*	The Fe-54 inelastic scattering cross-sections evaluation based on the gamma-ray production cross-sections of inelastic scattering. **Zhi Zhang** *(0:15)*
10:10 AM	Integral References for neutron-induced reactions on 233,235U and 239,241Pu at thermal and resolved-resonance ranges. **Ignacio Durán** *(0:15)*	Validations and Extensions of the LANL-TP Chlorine Evaluation. **Kenneth Hanselman** *(0:15)*	Theoretical analysis of double-differential cross sections for p+^{6,7}Li and n+^{13}C reactions. **Xiaojun Sun** *(0:15)*
10:25 AM	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** *(0:15)*		
10:40 AM	COFFEE BREAK - Room Florencia		
	NS - Nuclear structure | NS-S5D1M2 Chair person: **José Taín**	**AP - Astrophysics & Space** | AP-S5D2M2 Chair person: **Hye Young Lee**	**EV - Evaluation** | EV-S5D3M2 Chair person: **Andrej Trkov**
11:20 AM	Half-life measurement of 157Tb. **Karsten Kossert** *(0:20)*	Global alpha-nucleus optical potential for nuclear astrophysics applications. **Paraskevi Dimitriou** *(0:20)*	Fellowship of the Resolved. **Jesse Brown** *(0:20)*
11:40 AM	Photon Strength Function Database. **Mathis Wiedeking** *(0:20)*	First 94Nb(n, γ) cross-section measurement at the cern n_tof facility. **Javier Balibrea Correa** *(0:20)*	Joint evaluation of 7Be in the resolved resonance region. **Paraskevi Dimitriou** *(0:20)*
12:00 PM	Accelerated Decay Data Evaluation and Development of an Adopted Decay Data Library. **Sanjanee W. Waniganeththi** *(0:15)*	POTLUQ: an optical-model potential for reactions on unstable targets. **Cole Pruitt** *(0:15)*	Calculations and analysis of neutron reaction data on chromium isotopes. **Jimin Wang** *(0:15)*
12:15 PM	Nuclear Level Density Measurements: Advancing Modeling Capabilities for Data-Driven Applications. **Alexander Voinov** *(0:15)*	Preliminary results of proton- and α-particle-capture cross-sections on 73Ge relevant to p-process nucleosynthesis. **Maria Peoviti** *(0:15)*	Evaluation of 237Np fast neutron-induced fission cross sections with the EXFOR library in JSON. **Naohiko Orsuka** *(0:15)*
12:30 PM	Measurement of the absolute delayed neutron yield in the thermal neutron induced fission of 241Pu(n,f). **Pierre Leconte** *(0:15)*	Cross-section measurement of 146Nd(n,γ) at n_TOF-EAR2. **Bernardo Bernardino Gameiro** *(0:15)*	
12:45 PM		Measurement of 96Zr(alpha,n)99Mo thick target yields. **Luis Mario Fraile** *(0:15)*	
01:00 PM	FREE LUNCH BREAK		

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	NS - Nuclear structure | NS-S5D1A1 Chair person: **José Taín**	**AP - Astrophysics & Space** | AP-S5D2A1 Chair person: **Javier Balibrea**	**ML - Machine learning** | ML-S5D3A1 Chair person: **David Brown**
02:30 PM	Deformation and isospin breaking effects in the A=71 mirror system. **Alejandro Algora** *(0:20)*	Overview of the neutron-induced charged particle reaction studies on radionuclides at LANSCE. **Hye Young Lee** *(0:20)*	Evaluating nuclear data with Bayesian machine learning. **Hiroki Iwamoto** *(0:20)*
02:50 PM	Beta spectrum measurements with a 4π Si(Li) spectrometer. **Gaël Craveiro** *(0:15)*	Measurement of the 68Zn(n,γ) Cross Sections at n TOF, CERN, and their Astrophysical Implications. **Annie Rooney** *(0:15)*	Predicting (n,2n) Cross Sections using Optimized Neural Networks and Hybrid ML-TALYS Approach. **Lee Morgan** *(0:15)*
03:05 PM	Half-life measurement of two short-lived excited states in Fe-57 with LS-gamma delayed coincidence counting. **Marcell Takács** *(0:15)*	Measurement of the 40K(n,p1) reaction channel at the Lohengrin spectrometer. **Nikolay Sosnin** *(0:15)*	Predicting photonuclear cross sections using machine learning. **Ajeeta Khatiwada** *(0:15)*
03:20 PM	Study of exotic nuclei of interest for applied and fundamental nuclear physics with Total Absorption Gamma-ray Spectroscopy (TAGS). **Julien Pépin** *(0:15)*	Measurement of charged particle spectra emitted following muon nuclear capture on natSi. **Shoichiro Kawase** *(0:15)*	Automated Resonance Fitting for Data Scientists, A side-by-side translation. **Noah Walton** *(0:15)*
03:35 PM	Beta-delayed neutron emission in the doubly-magic 132Sn region. **Peter Dyszel** *(0:15)*	Improving gamma-ray emission data in ENDF and enabling inline gamma-ray cascade capability. **David Brown** *(0:15)*	Machine-learning parameters of nuclear reaction models. **Samuel Sullivan** *(0:15)*
03:50 PM	Improving Decay Data for Long-Lived Fission Products. **Kay Kolos** *(0:15)*		
04:05 PM	COFFEE BREAK - Room Florencia		
	NS - Nuclear structure | NS-S5D1A2 Chair person: **Alejandro Sonzongni**		**ML - Machine learning** | ML-S5D3A2 Chair person: **Hiroki Iwamoto**
04:45 PM	Solving the 55Mn puzzle. **Stanislav Valenta** *(0:20)*		Improving nuclear cross-sections with deep learning: DINo algorithm. **Gesson Lévana** *(0:20)*
05:05 PM	Complete decay spectroscopy of neutron-rich Cl isotopes with FDSi. **Ian Cox** *(0:15)*		Estimation of Maxwellian averaged cross-sections with machine learning methods. **David Brown** *(0:15)*
05:20 PM	The KDK (potassium decay) experiment. **Philippe Di Stefano** *(0:15)*		Doppler Broadening (n,γ) Cross Sections using Machine Learning Methods. **Martin Skretteberg** *(0:15)*
05:35 PM	Measurement of lifetimes of the muonic atom for 28,29,30Si. **Megumi Niikura** *(0:15)*		
05:50 PM	Production branching ratio measurement of muon nuclear capture of Si isotopes. **Rurie Mizuno** *(0:15)*		
06:05 PM	Precise Measurement of the Half-life of 190Ir. **Łukasz Janiak**		**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 6 - ROOM MADRID 2

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	Neutrinos | NE-S6D1M1 Chair person: **Alejandro Algora**	**DP - Dissemination & processing** | DP-S6D2M1 Chair person: **Daniel López Aldama**	**CS - Criticality safety** | CS-S6D3M1 Chair person: **David Brown**
09:00 AM	Nuclear Data for Reactor Antineutrino Spectrum Modeling. **Alejandro Sonzogni** *(0:20)*	Modernizing the NJOY nuclear data processing code. **Wim Haeck** *(0:20)*	Neutron resonance analysis of 149Sm+n using DANCE and DICER data. **Thanos Stamatopoulos** *(0:20)*
09:20 AM	The (NA)2STARS: Neutrinos, Applications and Nuclear Astrophysics with a Segmented Total Absorption with higher Resolution Spectrometer, a combination of calorimetric and spectroscopic tools for beta decay and in-beam measurements. **Muriel Fallot** *(0:20)*	Production and use of ENDF/B-VIII-based nuclear data covariance matrices. **Michael Rising** *(0:20)*	Benchmark results with a new evaluation of 155Gd and 157Gd. **Luiz Leal** *(0:20)*
9:40 AM	Measurement of the isomeric ratio of 96Y in thermal neutron-induced fission of 235U. **Yung Hee Kim** *(0:15)*	Development of R Program for the Verification of Residual Radiation Survey Result in the Site of Decommissioning Completion Stage. **Jungjoon Lee** *(0:15)*	R-matrix evaluation of the 15N Compound System for Criticality Safety Analyses. **Jordan McDonnell** *(0:15)*
9:55 AM	Reactor antineutrino measurements, integral experiments to constrain fission and decay data. **Alain Letourneau** *(0:15)*	Leveraging the Cumulative Distribution Function to Generate Point-Wise Nuclear Data. **Pablo Vaquer** *(0:15)*	Explicitly Modelling UCO TRISO Particles in Graphite Media for HALEU Transport Experiments. **Peter Brain** *(0:15)*
10:10 AM	First beta decay study of 98Cd using the total absorption technique. **Marcell Juhasz** *(0:15)*	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. **Øystein Bremnes** *(0:15)*	On the Scattering Kernels of Structure Materials in Lower KeV Range. **Ron Dagan** *(0:15)*
10:25 AM	Development of the NeuCBOT utility for evaluation of neutron yields and spectra from (alpha, n) reactions. **Ivan Goncharenko** *(0:15)*	Modernizing Nuclear Data Dissemination: From Web Enhancements to Mobile Applications. **Donnie Mason** *(0:15)*	
10:40 AM	COFFEE BREAK - Room Florencia		
	Neutrinos | NE-S6D1M2 Chair person: **Alejandro Sonzongni**	**DP - Dissemination & processing** | DP-S6D2M2 Chair person: **Nengchuan Shu**	**CS - Criticality safety** | CS-S6D3M2 Chair person: **Luiz Leal**
11:20 AM	Neutrons from (α, n) reactions in rare event searches in underground laboratories. **Holger Kluck** *(0:20)*	Methods for Processing Evaluated Data for Multiphysics, Time Inventory And Source Term Code System. **Jean-Christophe Sublet** *(0:20)*	Impact of cross section and fission yield uncertainties on the fuel inventory in a high temperature fluoride salt-cooled reactor. **Friederike Bostelmann** *(0:20)*
11:40 AM	β decay of 103,108Tc and 103,108Mo. **Victor Guadilla** *(0:20)*	Progress on nuclear data processing code Ruler version 2. **Xiaofei Wu** *(0:20)*	Zr Nuclear Data Campaign: Measurement of (n,gamma) cross section of 90,91Zr. **Klaus Guber** *(0:20)*
12:00 PM	β-decay study of deformed, odd-odd 104,104mNb using Total Absorption Gamma-ray Spectroscopy of 104,104mNb and 93Rb. **Amanda Porta** *(0:15)*	ADVANCE: A Kubernetes Cluster of Docker Containers for Automating Nuclear Data Quality Assurance. **Gustavo Nobre** *(0:15)*	Application of the neutron resonance self-indication method to the non-destructive assay for nuclear material. **Jun-ichi Hori** *(0:15)*
12:15 PM	RenShape: a new tool for evaluating the reactor antineutrino spectral shape. **Matteo Borghesi** *(0:15)*	WPEC Subgroup 54: Continuation of Subgroup 50 work on developing an automatically readable, comprehensive, and curated experimental reaction database. **Georg Schnabel** *(0:15)*	The National Criticality Experiments Research Center: Accomplishments and Experiments in the Last Three Years. **George Mckenzie** *(0:15)*
12:30 PM	Update of the summation calculations for reactor antineutrino spectra. **Magali Estienne** *(0:15)*	A symmetry-respecting technique for low-rank approximations of covariance matrices for nuclear data reporting. **Jason Surbrook** *(0:15)*	Verification of and Evaluation Workflow for Neutron Damage Cross Sections. **Jesse Holmes** *(0:15)*
12:45 PM		Current status of nuclear data processing code NECP-Atlas. **Tiejun Zu** *(0:15)*	
01:00 PM	FREE LUNCH BREAK		

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE	DAY 3 - 26TH JUNE
	FU - Fusion | FU-S6D1A1 Chair person: **Mark Gilbert**	**RM - Reaction measurements** | RM-S6D2A1 Chair person: **Carlos Guerrero**	**CS - Criticality safety** | CS-S6D3A1 Chair person: **Luiz Leal**
02:30 PM	Early nuclear fusion advances, 1934-1952. **Mark Chadwick** *(0:20)*	Impact of 197mHg and 195mHg decay branching ratios to Pt(α,x)197,195Hg isomeric ratios measured by activation method. **Naohiko Otsuka** *(0:20)*	Fission yield uncertainty quantification in decay heat calculations of spent nuclear fuel. **Raphaelle Ichou** *(0:20)*
02:50 PM	The Berkeley Atlas: A database of absolute cross sections for inelastic, gamma-ray production with 14 MeV neutrons. **David Brown** *(0:15)*	Measurement of alpha-particle energy spectra from the 27Al(p,xα) reaction around 14 MeV. **Junichi Hirao** *(0:15)*	Status of the international criticality safety benchmark evaluation project. **Catherine Percher** *(0:15)*
03:05 PM	Fusion decay heat benchmarking of the latest nuclear data libraries with FISPACT-II. **Jessica Hollis** *(0:15)*	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** *(0:15)*	Uncertainty Driven Approach for Enhanced Criticality Safety Studies. **Vaibhav Jaiswal** *(0:15)*
03:20 PM	Atomic-Scale Investigation of Re/Os Precipitation in Neutron-Irradiated Tungsten Using Atom Probe Tomography: Validation of FISPACT-II Nuclear Data. **Iuliia Ipatova** *(0:15)*	Research Of 3H(α, α)3H scattering at Eα = 84.2 MeV. **Yuriy Roznyuk** *(0:15)*	Tests of the probability table method for unresolved resonances. **David Brown** *(0:15)*
03:35 PM	Deuteron-induced reactions on molybdenum at low energies. **Eva Simeckova** *(0:15)*	First neutron energy measurements of (α, xn) reactions with MONSTER. **José Llanes Gamonoso** *(0:15)*	Critical experiments on Iron-Loaded Core at the modified STACY. **Shouhei Araki** *(0:15)*
03:50 PM		Simultaneous Measurement of Low Energy Neutron Induced Capture and Prompt Fission Gamma-Ray Emission Spectra of U-nat,235 at the RPI Gaerttner LINAC Center. **Katelyn Keparutis** *(0:15)*	Cerberus and the Zeus Suite of Critical Experiment Benchmarks. **Nicholas Thompson** *(0:15)*
04:05 PM	COFFEE BREAK - Room Florencia		
	FU - Fusion | FU-S6D1A2 Chair person: **Mark Gilbert**		
04:45 PM	The CoGNAC (n,2n) and (n,3n) Reaction Measurement Program at LANL. **Jason Surbrook** *(0:20)*		
05:05 PM	Modeling inelastic scattering reactions using a noniterative finite amplitude method and distorted-wave Born approximation. **Hirokazu Sasaki** *(0:15)*		
05:20 PM	PATHFINDER: A tool for interrogating complex production pathways for radionuclides. **Priti Kanth** *(0:15)*		
05:35 PM	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** *(0:15)*		
05:50 PM	Radiation Damage in SiGe and Its Dependence on the Fidelity of Nuclear Data Libraries. **Patrick Griffin** *(0:15)*		
06:05 PM			**Poster session** - Room Florencia (05:50 - 07:00 PM)
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)		
07:00 PM			
07:30 PM			

SESSION 7 - ROOM GLASGOW

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE
	MA - Medical applications | MA-S7D1M1 Chair person: **Tim Ware**	**DT - Detectors & techniques** | DT-S7D2M1 Chair person: **Frank Gunsing**
09:00 AM	New nuclear data for the implementation of PET range verification in proton therapy. **Teresa Rodriguez Gonzalez** *(0:20)*	Characterization of new Generation Silicon Carbide and Pulse Shape studies at LOHENGRIN spectrometer. **Simone Amaducci** *(0:20)*
09:20 AM	Extraction of nucler properties from measurements of the γ-cascade of the 177Lu using the new multi-detector SFyNCS. **Roig Olivier** *(0:20)*	Development of neutron resonance fission neutron analysis technique for fissile material quantification. **Jaehong Lee** *(0:20)*
9:40 AM	Activation cross section measurement of proton-induced reactions on natural calcium up to 30 MeV. **He Huang** *(0:15)*	Fast Neutron-induced Gamma-ray Spectrometry (FaNGaS). **Iaroslav Meleshenkovskii** *(0:15)*
9:55 AM	Optimization of neutron spectrum field for radioisotope production in the experimental fast reactor Joyo. **Yuto Sasaki** *(0:15)*	Validation of the Newly Implemented DAQ at the GAINS Spectrometer. **Ali Farzanehpoor Alwars** *(0:15)*
10:10 AM	Investigation of the 99Mo production via neutron capture 98Mo(n,γ)99Mo with a high-current accelerator-based neutron source. **Doruntin Shabani** *(0:15)*	Measurements of the Pu-241 capture and fission cross sections at the n_TOF and GELINA facilities. **Aline Cahuzac** *(0:15)*
10:25 AM	Production of pre-clinical activities of 11C for PET imaging using a multi-shot laser-driven proton source. **José Benlliure** *(0:15)*	Time to Energy conversion in neutron Time of Flight Facilities by using Tikhonov Regularization. **Eric Berthoumieux** *(0:15)*
10:40 AM	COFFEE BREAK - Room Florencia	
	DT - Detectors & techniques | DT-S7D1M2 Chair person: **Eric Berthoumieux**	**Thermal scattering data** | TS-S7D2M2 Chair person: **Douglas Di Julio**
11:20 AM	Radioactive target fabrication for neutron-induced reaction measurements at LANL. **Scott Essenmacher** *(0:20)*	An update to the CAB Model: new thermal scattering libraries for light water in ENDF/B-VIII.1 and JEFF 4.0. **José Ignacio Márquez Damian** *(0:20)*
11:40 AM	A novel detector for the measurement of the fission cross section induced by high energy neutrons. **Alice Manna** *(0:20)*	Modeling the Extinction Effect in Beryllium Metal. **Amelia Trainer** *(0:20)*
12:00 PM	Development of a side readout CLLB scintillator-based spectrometer for neutron-induced total cross section measurement. **Peng Luan** *(0:15)*	Evaluation and measurement of thermal neutron scattering laws at reactor operating temperatures. **Shinsuke Nakayama** *(0:15)*
12:15 PM	Development of a trans-Stilbene multi-detector array for measuring elastic and inelastic neutron cross-section channels. **Agatino Musumarra** *(0:15)*	A Fully Temperature-Dependent Model for Coherent Elastic Thermal Neutron Scattering. **Amelia Trainer** *(0:15)*
12:30 PM	New readout and data acquisition for the GAINS spectrometer. **Myroslav Kavatsyuk** *(0:15)*	ENDF/B-VIII.1 Thermal Scattering Law (TSL) Benchmark Testing for Advanced Reactor and Criticality Applications. **Pavel Simeonov** *(0:15)*
12:45 PM	System for the direct detection of light-ions produced in nuclear reaction with fast neutrons. **Jan Novák** *(0:15)*	
01:00 PM	FREE LUNCH BREAK	

SESSION DETAILS

	DAY 1 - 24TH JUNE	DAY 2 - 25TH JUNE
	DT - Detectors & techniques | DT-S7D1A1 Chair person: **Simone Amaduci**	**Thermal scattering data** | TS-S7D2A1 Chair person: **José Ignacio Márquez**
02:30 PM	Differential measurements of neutron-induced charged-particle reactions at LANSCE and impacts on nuclear applications. **Sean Kuvin** *(0:20)*	Effect of Thermal Scattering Low of CaH2 moderator on the Core Reactivity of the Microreactor. **Rei Kimura** *(0:20)*
02:50 PM	Study of (n,alpha) reaction on 0-16 and F-19 in support of nuclear power plants – First results of the SCALP project. **François René Lecolley** *(0:15)*	Heterogeneous critical experiments in STACY facility with high sensitivity to water thermal scattering law. **Mariya Brovchenko** *(0:15)*
03:05 PM	Design of a neutron time-of-flight spectrometer based on CLYC detectors for low energy neutron detection. **Alberto Pérez de Rada Fiol** *(0:15)*	Uncertainty Characterization of Pulsed-Neutron Die-away Experiments for Validating Thermal Neutron Scattering Laws for Polyethylene and Polymethyl Methacrylate. **Ruby Araj** *(0:15)*
03:20 PM	PISTA, a new detection system for transfer-induced fission in inverse kinematics at VAMOS. **Lucas Bégué-Guillou** *(0:15)*	Measurements of thermal scattering cross-sections of mixtures of light and heavy water. **Takafumi Tsujimoto** *(0:15)*
03:35 PM	First characterization of commercial CRNS probes in neutron reference fields. **María de los Ángeles Millán Callado** *(0:15)*	New thermal scattering libraries for beryllium metal and other polycrystalline materials including extinction effects. **Douglas Di Julio** *(0:15)*
03:50 PM	White Neutron Resonance Imaging Techniques at the CSNS Back-n Facility. **Jingyu Tang** *(0:15)*	The Calculation Method of the Thermal Neutron Scattering Law for Liquid Materials in NECP-Atlas. **Zerun Lu** *(0:15)*
04:05 PM	COFFEE BREAK - Room Florencia	
		Thermal scattering data | TS-S7D2A2 Chair person: **José Ignacio Márquez**
04:45 PM		High temperature nuclear data measurements of SiC, ZrC, and MgO. **Kemal Ramic** *(0:20)*
05:05 PM		Model for Simultaneous Evaluation of Thermal Scattering & Resolved Resonance Parameters. **Chris W. Chapman** *(0:15)*
05:20 PM		FLASSH–An Advanced Tool for Thermal Scattering Law Evaluation and Cross Section Generation. **Briana Laramee** *(0:15)*
05:35 PM		Estimation of Uncertainties on Thermal Scattering Cross-Section of Light Water at High Temperatures. **Pierre Sole** *(0:15)*
05:50 PM		Validation of Thermal Scattering Libraries of Water and Polyethylene Utilizing the RPI Pulsed-Neutron Die-Away Experimental Assembly. **Benjamin Wang** *(0:15)*
06:05 PM		
06:20 PM	**Poster session** - Room Florencia (06:20 - 07:30 PM)	
07:30 PM		

POSTER SESSION

TUESDAY | 24TH JUNE

Neutron up-scattering effects in the resonance range using a Crystal Lattice Model. **Gilles Noguere**

Impact of fission product yields on the burn-up credit, decay heat and neutron emission of heavy-metal cooled reactor fuels. **Alexey Stankovskiy**

Fission fragment evaporation in TALYS. **Ali Al-Adili**

Multiparameter study of fission with STEFF at n_TOF. **Angelica D'Ottavi**

Improvement of accuracy of neutron-induced fission reaction data for MAs. **Atsushi Kimura**

Measured neutron leakage spectra from Iron spheres of diameter 20,30,50 and 100cm with Cf-252 neutron source in center - comparison with calculations using ENDF/B-VIII.1 and JEFF-4 nuclear data libraries. **Bohumil Jansky**

Surprisingly high temperature-dependent reactivity impact from theral scattering laws on thermal critical systems. **Catherine Percher**

Recent developments in the nuclear data processing code GALILÉE-1. **Cédric Jouanne**

Neutronics calculations of high-flux reactors based on different evaluated nuclear libraries. **Chen Yiyu**

Fission product yields predicted by machine learning technique at unmeasured energies and its influence on reactor physics assessment. **Chikako Ishizuka**

Selecting Differential and Integral Experiments via Machine Learning to Reduce 239Pu Nuclear Data Uncertainties from 1-600 keV. **Denise Neudecker**

Evaluation of the Monte-Carlo code Serpent 2 and JEFF-3.1.1 nuclear data for uranium solution tank configurations with benchmarks from the ICSBEP. **Dufay Paul**

From Gray Box to Toolbox: Simplifying Access to and Production of ENDF-6 formatted Nuclear Data for Everyone. **Georg Schnabel**

Pre-neutron mass yields evaluation of 235U(n_th,f). **Gregoire Kessedjan**

Towards New 90,91Zirconium Incident Neutron Evaluations for ENDF/B-IX. **Gregory Siemers**

Nuclear Reaction Data for Fission Products Off Stability. **Gustavo Nobre**

Bayesian Resonance Reclassifier: A Machine-Learning method to identify neutron resonance spins. **Gustavo Nobre**

Generation and Evaluation of Thermal Neutron Scattering Library for Crystalline Graphite. **Haelee Hyun**

Sampling cross sections from the nuclear data libraries. **Jan Malec**

Nuclear data needs associated with criticality monitoring during Fukushima Daiichi fuel debris retrieval operations. **Jesson Hutchinson**

New ENDF6 extension of decay data for radionuclide inventory applications. **Jonathan Collin**

Development and Implementation of a Neural Thermal Scattering (NeTS) approach for Multiphysics Reactor Analysis. **Ayman Hawari**

Evaluation of Neutron Reactions on 139La for Criticality Safety Analyses. **Jordan McDonnell**

Prompt gamma-ray emission from spontaneous fission of Cm-248. **Olivier Serot**

Stochastic sampling of resonance parameters for the uncertainty quantification of the Doppler fuel temperature reactivity coefficient. **Luca Fiorito**

Investigation of the approach used in the unresolved resonance region. **Luiz Leal**

From Model Ambiguities to Precision: A Study of Neutron-Induced Reactions and Partial Cross-Sections. **Marc Dupuis**

Cosmic Ray Extremely Distributed Observatory (CREDO) a synergy of science and education for improving our knowledge about universe. **Marcin Bielewicz**

Validation Testing of Modern Evaluated Nuclear Data Libraries Using Fast Spectrum Integral Benchmarks. **Mark Cornock**

Measurements of Fission Fragment Masses and Nuclear Charges with the FiFI Spectrometer at Lohengrin (ILL) and n_TOF (CERN). **Nikolay Sosnin**

Impact of nuclear data evaluations on 238Pu production for space. **Pablo Romojaro**

Sampling Unresolved Resonance Parameters to Quantify Uncertainty on Probability Tables. **Pierre Sole**

Analysis of U-233 and U-235 Sample Reactivity Worth measured at KUCA. **Tadafumi Sano**

Modelling the TEX-HEU and TEX-Hf Benchmarks with the MONK12B Criticality Code. **Tim Ware**

Validation of JEFF-4.0 and ENDF/B-VIII.1 with the ANSWERS Software Suite. **Tim Ware**

Sensitivity of Deterministic Reactor Physics Calculations to the Nuclear Data Energy Group Scheme. **Tim Ware**

Introduction of the Sekiguchi Three-body Nuclear Force Project (TOMOE Project). **Tokio Fukahori**

Broomstick experiment for nuclear data validation at the VR-1 reactor. **Tomas Czakoj**

Research on Doppler broadening acceleration method at ultra-high temperature. **Xin Guo**

WEDNESDAY | 25TH JUNE

Optimizing XRF Spectroscopy with Fast Monte Carlo Simulations and Machine Learning for Advanced Nuclear Applications. **Allison O'Brien**

βPlast, a plastic scintillator for fast timing and decay spectroscopy. **Carole Chatel**

Advanced course on verification of nuclear test explosions. **Elias Arnqvist**

Design study of the neutron source for the neutron shielding performance test at NDPS of RAON. **Cheolmin Ham**

Detection System of NDPS at RAON. **CheongSoo Lee**

Progress on the Creation and Implementation of a Light Water Covariance in SCALE – Application. **Chris W. Chapman**

Challenges and solutions when using transmission silicon detectors for timing of light ions. **Diego Tarrío**

Validation of recently available photonuclear data through photoneutron yield benchmarks. **Do Heon Kim**

Gamma and neutron response characterization of CLLBC-based scintillation detectors. **Elias Arnqvist**

Measurement of the Ar-nat(n,γ) cross section at n_TOF. **Emilio Mendoza Cembranos**

Inspection challenges of spent fuel storage casks. **Enrique Casarejos**

Experimental investigation of alpha-particle induced nuclear reaction on natural rhodium up to 50 MeV. **Ferenc Ditroi**

Time-of-flight transmission measurements of natural iron at the GELINA facility. **Georgios Gkatis**

Beta Spectra Measurements for Predictions of Reactor Antineutrino Spectra. **Gustavo Adolfo Alcalá Escalona**

Induced activity measurements in Cu target for low-energy heavy ions. **Hiroshi Yashima**

Development of the NeuCBOT utility for evaluation of neutron yields and spectra from (alpha, n) reactions. **Ivan Goncharenko**

Development of an isotopic inventory model for cross section measurements made at the National Ignition Facility. **James Benstead**

Open source pipelines for thermal scattering data generation: from NCrystal to ENDF-6. **Jose Ignacio Marquez Damian**

On-the-fly thermal neutron scattering in OpenMC using NCrystal. **Jose Ignacio Marquez Damian**

Simulation study of the neutron collimator for NDPS at RAON. **Jounghwa Lee**

Measurements of neutron capture cross sections of P-31. **Kazushi Terada Terada**

Code-to-code comparison for the Monte Carlo simulation of the photofission reaction. **Luna Sobczak**

The practical use of small cosmic ray detectors (e.g. Cosmic Watch) to conduct lectures and exercises in many fields of science. **Marcin Bielewicz**

Learning to walk – Preparatory work for the coming NESSA D-T neutron source. **Elias Arnqvist**

Systematic analysis of (n,2n) reaction cross-section of zinc using 14 MeV neutron generator facility at IPR. **Mayur Mehta**

Time response evaluation of fast photomultiplier tubes for LaBr3(Ce) crystal readout. **Miriam Caballero Rodríguez**

Measurement of MgF2 total cross-section and moderating capabilities at the MONNET facility of JRC-Geel. **Pablo Torres-Sánchez**

Correction method for large scattered-neutron background in capture cross-section measurements. **Shunsuke Endo**

Constraining the Photon Strength Function and Nuclear Level Density of 95Zr using the Forward Analysis Method by (d,p) reactions. **Shuya Ota**

The NESSA 14-MeV neutron source in Uppsala. **Stephan Pomp**

PSA capabilities using a nTD silicon detector at LOHENGRIN/ILL. **Styliani Goula**

Efforts to the first time-of-flight measurements of 88Zr+n and 88Y+n at DICER. **Thanos Stamatopoulos**

14 MeV neutron facility experiment fielding HPGe. **Thomas Harrington**

Results of the measurement of the Ta(n,γ) cross-section at n_TOF, CERN. **Victor Alcayne Aicua**

Characterisation of Manchester Twin Frisch-gridded Ionisation Chamber (TFGIC) in high-flux neutron environments. **William Hillman**

Spectrum unfolding of white neutrons produced from thick carbon target bombarded by Argon beam of 16.3 MeV/u. **Young-Ouk Lee**

Neutron time-of-flight transmission measurements at CERN's n_TOF facility. **Zinovia Eleme**

Study of the industrial feasibility of Neutron Resonance Transmission Analysis (NRTA) for spent nuclear fuel reprocessing exploitation. **Ludovic Mathieu**

Creation and verification of the neutron source term during production of fluorine-18 for the purpose of positron emission tomography. **Marek Zmeškal**

Study of baryonic resonances production in high-energy 12C-12C collisions with the HYDRA experiment at GSI/FAIR. **Pablo González Rusell**

Accelerated Program for Implementation of Secure VVER Fuel Supply (APIS). **Ali Al-Adili**

THURSDAY | 26TH JUNE

Improving the capture-gamma data in the evaluated nuclear data libraries for 28Si(n,gamma) and 32S(n,gamma). **Aaron Hurst**

Producing covariances for fast neutron incident reactions on mid-Z isotopes using the TALYS code. **Aaron Stott**

Measurement of the 137Cs cumulative fission yield in the 235U(nth,f) reaction with the FIPPS spectrometer. **Abdelhazize Chebboubi Chebboubi**

Further development of the JADE tool for consistent and automated V&V of nuclear data and particle transport codes. **Alex Valentine**

Contract education for nuclear engineering in Sweden. **Ali Al-Adili**

Nuclear cross section measurement of the 93Nb(p,n)93Mo reaction. **Andreas Dragoun**

Machine Learning Molecular Dynamics for Thermal Scattering Law Evaluations with Enhanced Temperature Fidelity. **Ayman Hawari**

Measurement of 232Th(p, x)225Ac reaction cross-section at CSNS APEP facility up to 80 MeV. **Bing Jiang**

Requirements for Accurate Positron Cross-Sections Consistent with the Boltzmann Fokker-Planck Equation. **Charles Bienvenue**

Progress on the Creation and Implementation of a Light Water Covariance in SCALE – Theory. **Chris W. Chapman**

Cross section measurements of 7,6Li(d,x)7Be for the design and safety of the IFMIF-DONES facility. **Daniil Koliadko**

HFB3: a finite-range, cylindrical, 2-center HFB solver for structure and fission descriptions. **Dubray Noël**

NuDEX (a Nuclear DE-eXcitation code). **Emilio Mendoza Cembranos**

Assessment of passive neutron monitor based on TLDs with application in proton therapy centers and research facilities with accelerators. **Gonzalo F. García-Fernández**

Activation in proton therapy centers depending on type of concrete and nuclear data. **Gonzalo F. García-Fernández**

R-matrix based Bayesian evaluation of neutron-induced reactions of Be-9. **Helmut Leeb**

Measurement of thick target yields of alpha-induced reactions of interest in fusion monitoring. **Hina Ali**

Continuing Development of the Nuclear Data Processing Code AMPX. **Jordan McDonnell**

Comparative study of fission product yield covariance estimations. **Jun Wang**

Extracting the nuclear level density and gamma-ray strength function of 90Zr. **Lauren Bell**

Production Cross Section Measurements of the natPd(α,x)111Ag Reaction. **Laurine Puren**

Exploring Production of Theranostic Radionuclides with Triton Beams. **Luciano Canton**

On the breakup and direct interactions in deuteron-induced reactions within the A~90 mass range. **Marilena Avrigeanu**

Evaluation and Production of Medically Relevant Radionuclides of Xenon and Iodine via Proton and Deuteron-Induced Reactions on Iodine Targets. **Nouman Amjed**

Nuclear Data Education and Training at the at the Universidad Politécnica de Madrid: The CDIO/INGENIA-NUCLEAR experience and the Active Learning/GRE@T-PIONEeR project. **Oscar Cabellos**

Impact of nuclear data evaluations on 177Lu production for radionuclide therapy. **Pablo Romojaro**

Thermal Release studies from Activated Ti, V and Ta Target Materials - Investigation of Parameters Relevant for Isotope Mass Separation. **Patricija Kalnina**

Angular Momentum in Fission. **Ramona Vogt**

First results from the NNDC decay station: 225Ac alpha-decays. **Shuya Ota**

Characterization of low-lying isomers and their beta-decay in 162Lu. **Susshma Nagarajan**

Isomer triplets: A fascinating phenomenon in light rare-earth region. **Susshma Nagarajan**

Impact of Thermal Scattering Law on UOX and MOX Configurations of the CREOLE Benchmark. **Vaibhav Jaiswal**

Statistical alpha-particle emission and the related optical-potential validation. **Vlad Avrigeanu**

Octupole Deformation in 220,222,224,226Rn. **Yi-Ming Jiang**

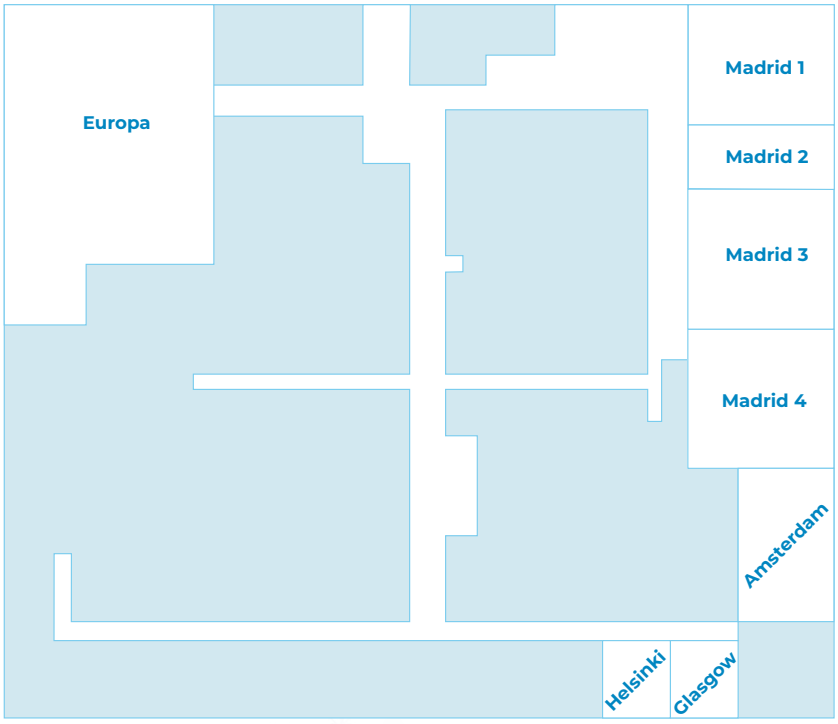
Development of the Laraweb online tool for easy access to DDEP recommendations. **Sylvain Leblond**

Neutron Beam Characterization at the NEAR Station of the n_TOF Facility at CERN with a Diamond Detector. **Maria Diakaki**

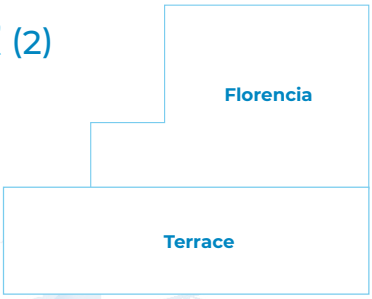
ChatNSR:An AI-Enhanced Nuclear Science References Knowledge Base. **Gustavo Nobre**

FLOOR PLAN (1)

HOTEL NH COLLECTION MADRID EUROBUILDING
C/ Padre Damián, 23. 28036 Madrid



UPPER FLOOR (2)



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