

List of Tables

1	Index of author, abstract and presenting site and date	43
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Contents

20 May, Plenary-Hall-B, Topic: Plenary A	1
Session: Plenary A1 (Tokio Fukahori)	1
Session: Plenary A2 (Arjan Koning)	1
21 May, Room202, Topic: Nuclear Theory, Model and Codes	2
Session: Nuclear reaction theory models and codes 1 (Gilles Noguere)	2
Session: Nuclear reaction theory models and codes 2 (Alfredo Ferrari)	2
Session: Nuclear reaction theory models and codes 3 (Helmut Leeb)	3
Session: Nuclear reaction theory models and codes 4 (Dmitry Martyanov)	3
21 May, Room203, Topic: Evaluation	4
Session: Evaluation methodology 1 (Nobuyuki Iwamoto)	4
Session: Evaluation methodology 2 (Michal Herman)	4
Session: Evaluation methodology 3 (Cyrille De Saint Jean)	5
Session: Evaluation methodology 4 (Luiz Leal)	5
21 May, Room205, Topic: Nuclear Data Processing and Validation	6
Session: Nuclear data processing 1 (Cedric Jouanne)	6
Session: Nuclear data processing 2 (Clément Jeannesson)	6
Session: Nuclear data processing 3 (Haicheng Wu)	7
Session: Nuclear data adjustment 1 (Tiejun Zu)	7
21 May, Room301, Topic: Nuclear Reaction Measurements	8
Session: Nuclear reaction measurements 1 (Jan Heyse)	8
Session: Nuclear reaction measurements 2 (Alexandru Liviu Negret)	8
Session: Nuclear reaction measurements 3 (Hiroaki Utsunomiya)	9
Session: Nuclear reaction measurements 4 (Tatsuya Katabuchi)	9
21 May, Room302, Topic: Fission Physics and Observables	10
Session: Fission theory and experimental 1 (Satoshi Chiba)	10
Session: Fission theory and experimental 2 (Anton Tonchev)	10
Session: Fission theory and experimental 3 (Ali Al-adili)	11
Session: Fission theory and experimental 4 (Olivier Serot)	11
21 May, Room303, Topic: Experimental Facilities, Equipment Techniques and Methods	12
Session: Experimental facilities, equipment techniques and methods 1 (Markus Nyman)	12
Session: Experimental facilities, equipment techniques and methods 2 (Young Kwan Kwon)	12
Session: Experimental facilities, equipment techniques and methods 3 (Heikki Penttila)	13
Session: Experimental facilities, equipment techniques and methods 4 (Enrico Chiaveri)	13

21 May, Room305, Topic: Nuclear Data Application	14
Session: Application in Nuclear Reactor 1 (Alejandro Sonzogni)	14
Session: Application in Nuclear Reactor 2 (Paraskevi Dimitriou)	14
Session: Application in Nuclear Reactor 3 (Tamara Korbut)	15
Session: Application in Nuclear Reactor 4 (Ping Liu)	15
22 May, Room202, Topic: Nuclear Theory, Model and Codes	16
Session: Nuclear reaction theory models and codes 5 (Jutta Escher)	16
Session: Nuclear reaction theory models and codes 6 (Roberto Capote)	16
Session: Nuclear reaction theory models and codes 7 (Yukinobu Watanabe)	17
Workshop on Neutronics Experiment Facility HINEG and Simulation Code SuperMC	17
22 May, Room203, Topic: Evaluation	18
Session: Evaluated libraries (Allan Carlson)	18
Session: Uncertainty quantification and covariances 1 (Boris Pritychenko)	18
Session: Uncertainty quantification and covariances 2 (Osamu Iwamoto)	19
Session: Cross section and decay standards (Jan Malec)	19
22 May, Room205, Topic: Nuclear Data Processing and Validation	20
Session: Nuclear data adjustment 2 (Andrej Trkov)	20
Session: Nuclear data validation 1 (Tim Ware)	20
Session: Nuclear data validation 2 (Bret Beck)	21
Session: Nuclear data validation 3 (Mark Gilbert)	21
22 May, Room301, Topic: Nuclear Reaction Measurements	22
Session: Nuclear reaction measurements 5 (Maelle Kerveno)	22
Session: Nuclear reaction measurements 6 (Chengjian Lin)	22
Session: Nuclear reaction measurements 7 (Guohui Zhang)	23
Session: Nuclear reaction measurements 8 (Arnd Rudolf Junghans)	23
22 May, Room302, Topic: Fission Physics and Observables	24
Session: Fission theory and experimental 5 (Jack Silano)	24
Session: Fission theory and experimental 6 (Ramona Vogt)	24
Session: Prompt fission neutron spectrum (Zhuxia Li)	25
Session: Fission cross section (M. Devlin)	25
22 May, Room303, Topic: Experimental Facilities, Equipment Techniques and Methods	26
Session: Experimental facilities, equipment techniques and methods 5 (Frank Gunsing)	26
Session: Experimental facilities, equipment techniques and methods 6 (Nicholas Walsh)	26
Session: Experimental facilities, equipment techniques and methods 7 (Nathaniel Bowden)	27
22 May, Room303, Topic: Spallation, High and Intermediate Energy Reactions	27
Session: Spallation, high and intermediate energy reactions 1 (Hiroki Iwamoto)	27
22 May, Room305, Topic: Nuclear Data Application	28
Session: Application in Nuclear Reactor 5 (Jaehong Lee)	28

22 May, Room305, Topic: Nuclear Data Application	28
Session: Nuclear data for astrophysics and cosmology 1 (Anton Wallner)	29
Session: Nuclear data for astrophysics and cosmology 2 (Michael Smith)	29
Session: Nuclear data for astrophysics and cosmology 3 (Toshitaka Kajino)	29
WPEC-Subgroup 45 VaNDaL	29
23 May, Room202, Topic: Nuclear Structure and Decay Data	30
Session: Nuclear masses and decay data measurements (Young-sik Cho)	30
Session: Beta-delayed neutron (Meng Wang)	30
Session: Beta-decay (Krzysztof Rykaczewski)	31
Session: Decay data measurements and Nuclear structure theory models and codes (Mark Kellett)	31
23 May, Room203, Topic: Evaluation	32
Session: Thermal scattering data 1 (Jose Ignacio Marquez Damian)	32
Session: Thermal scattering data 2 (Li Liu)	32
Session: Thermal scattering data 3 (Jia Wang)	33
23 May, Room203, Topic: Nuclear Data Application	33
Session: Nuclear data for medical applications (Ulrich Fischer)	33
23 May, Room205, Topic: Nuclear Data Application	34
Session: Nuclear data in accelerator related applications 1 (Young-Ouk Lee)	34
Session: Nuclear data in accelerator related applications 2 (Michael Fleming)	34
Session: Nuclear data in accelerator related applications 3 (Toni Koegler)	35
Session: Particle therapy and radiotherapy (Marie-laure Mauborgne)	35
23 May, Room301, Topic: Nuclear Reaction Measurements	36
Session: Nuclear reaction measurements 9 (Massimo Salvatores)	36
Session: Nuclear reaction measurements 10 (Yaron Danon)	36
Session: Nuclear reaction measurements 11 (Andreas Solders)	37
Session: Nuclear reaction measurements 12 (Xichao Ruan)	37
23 May, Room302, Topic: Data Dissemination and International Collaboration	38
Session: Data dissemination and international collaboration 1 (Franco Michel-sendis) .	38
Session: Data dissemination and international collaboration 2 (Naohiko Otsuka) . . .	38
23 May, Room302, Topic: Nuclear Data Application	39
Session: Nuclear data in fusion application (Rafael Rivera)	39
EG-GNDS Side-meeting	39
23 May, Room303, Topic: Spallation, High and Intermediate Energy Reactions	40
Session: Spallation, high and intermediate energy reactions 2 (Zhiqiang Chen)	40
23 May, Room303, Topic: Nuclear Data Processing and Validation	40
Session: Integral experiments 1 (Ivan Kodeli)	41
Session: Integral experiments 2 (John Darrell Bess)	41
Session: Integral experiments 3 (Nicholas Thompson)	41
24 May, Auditorium, Topic: Plenary B	42
Session: Plenary B1 (Arjan Plompen)	42
Session: Plenary B2 (David Brown)	42

Topic Track: Plenary A

Session Title: Plenary A1

Chair: Tokio Fukahori

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- 14:00 L001 **The Joint Evaluated Fission and Fusion (JEFF) Nuclear Data Library** / Arjan Plompen (European Commission - Joint Research Centre, Belgium)
- 14:35 L002 **Recent Results from the Neutron Induced Fission Fragment Tracking Experiment Using the FissionTPC** / Nathaniel Bowden (Lawrence Livermore National Laboratory, USA)
- 15:10 L003 **Correlated Transition of TKE and Mass Distribution in Nuclear Fission** / Satoshi Chiba (Tokyo Ins. of Technology, Japan)
- 15:45 **Break**

Topic Track: Plenary A

Session Title: Plenary A2

Chair: Arjan Koning

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- 16:05 L004 **The CONRAD Code, A Tool for Nuclear Data Analysis and Nuclear Reaction Modelling** / Cyrille De Saint Jean (CEA, France)
- 16:40 L005 **Fast Neutron Capture Reaction Data Measurement of Minor Actinides for Development of Nuclear Transmutation Systems** / Tatsuya Katabuchi (Tokyo Ins. of Technology, Japan)
- 17:15 L006 **Nuclear and covariance data adjustment for nuclear data files improvement: new methods and approaches** / Massimo Salvatores (Scientific Advisor, Reactor and Fuel Cycle, France)
- 17:50 L007 **CENDL3.2: The New General Purpose Nuclear Database** / Zhigang Ge (China Nuclear Data Center, Beijing)

Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 1

Chair: Gilles Noguere

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- 08:30 I008 Novel Challenges for FLUKA: Status of the Code and A Review of Recent Developments** / Alfredo Ferrari (CERN, Switzerland)
- 09:00 R009 Total Cross Section Model with Uncertainty Evaluated by KALMAN** / Shintaro Hashimoto (Japan Atomic Energy Agency)
- 09:20 R010 Synergy of Nuclear Data and Nuclear Theory Online** / Andrey Denikin (FLNR, Joint Ins. for Nuclear Research, Dubna, Russian Federation)
- 09:40 R011 Recent Progress of A Code System Deuracs Toward Deuteron Nuclear Data Evaluation** / Shinsuke Nakayama (Japan Atomic Energy Agency)
- 10:00 R012 Systematic Formalism for the (n,p) Reaction Cross Section at 2.5, 14, 20 MeV with Explicit Description of MSC and MSD Pre-equilibrium Multiple Particle Emission** / Olumide Oluwasanmi Ige (Physics Department Nigerian Defence Academy Kaduna)
- 10:20 Break**
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Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 2

Chair: Alfredo Ferrari

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- 10:40 R013 Systematic Uncertainties of E1 Photon Strength Functions Extracted from Photodata** / Oleksandr Gorbachenko (Taras Shevchenko National Uni. of Kyiv, Kyiv, Ukraine) / Speaker: Stephane Goriely
- 11:00 R014 Comparative Analysis of Neutron Activation Cross Sections of Aluminum Used As Cladding in Miniature Neutron Source Reactors** / Olumide Oluwasanmi Ige (Physics Department Nigerian Defence Academy Kaduna)
- 11:20 R015 Nucleon-transfer Reactions for Low-energy Deuterons in FLUKA** / Salvat-pujol Francesc (on Behalf Of The Fluka Collaboration) (CERN, Switzerland)
- 11:40 R016 Consistent Assessment of Deuteron Interactions at Low and Medium Energies** / Marilena Avrigeanu (Horia Hulubei National Ins. for Physics and Nuclear Engineering (IFIN-HH), Romania)
- 12:00 R017 Alpha-nucleus Optical Potential Based on the Isospin-dependent DBHF** / Zhi Zhang (CIAE, China)
- 12:20 S018 The Cross Sections and Energy Spectra of the Particle Emission in α Induced Reaction on $^{54,56,57,58}\text{natFe}$ and $^{63,65}\text{natCu}$** / Xinwu Su (Shanxi Datong Uni., Datong , China) / Speaker: Yongli Xu
- 12:25 S019 Employing Talys to Deduce Initial JRMS in Fission Fragments** / Ali Al-adili (Uppsala Uni., Sweden)

Tue May 21

14:00-17:50

Room 202

Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 3

Chair: Yinlu Han

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| 14:00 | I020 | Multiband Coupling and Nuclear Softness in Optical Model Calculations for Even-even and Odd-A Actinides / Dmitry Martyanov (Joint Ins. for Power and Nuclear Research - Sosny, Belarus) |
| 14:30 | R021 | Global Phenomenological Optical Model Potentials for Some Weakly Bounded Light Projectiles / Yongli Xu (College of Physics and Electronic Science, Shanxi Datong Uni., Datong , China) |
| 14:50 | R022 | The Dark Side of Alpha-particle Optical Potential: Emission from Excited Nuclei / Vlad Gabriel Avrigeanu (Horia Hulubei National Ins. for Physics and Nuclear Engineering (IFIN-HH), Romania) |
| 15:10 | R023 | Unified Description of Bound States and Nucleon Scattering for Double Magic Nuclei by A Lane-consistent Dispersive Optical Model Potential / Weili Sun (Ins. of Applied Physics and Computational Mathematics, China) |
| 15:30 | R024 | Comparison of Practical Expressions for E1 Photon Strength Functions / Oleksandr Gorbachenko (Taras Shevchenko National Uni. of Kyiv, Kyiv, Ukraine) / Speaker: Ihor kadenko |
| 15:50 | | Break |
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Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 4

Chair: Dmitry Martyanov

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| 16:10 | I025 | Developments Regarding Three-body Reaction Channels Within the R-matrix Formalism / Helmut Leeb (TU Wien, Austria) |
| 16:40 | R026 | Monte Carlo Simulation of Gamma and Fission Transfer Reactions Using Extended R-matrix Theory / Olivier Bouland (CEA/DER/SPRC/LEPh, CE Cadarache, Saint-Paul-lez-Durance, France) |
| 17:00 | R027 | Modernization of Sammy: An R-matrix Bayesian Nuclear Data Evaluation Code / Goran Arbanas (ORNL, USA) |
| 17:20 | R028 | R-matrix Analyses of Light Element Reactions / Paris Mark (T-2, Theoretical Division, LANL, USA) |
| 17:40 | S029 | Theoretical Calculation of Micro Data for the Nuclear Reaction of $p+^{27}\text{Al}$ up to 200 MeV / Zhengjun Zhang (North West Uni. , Xi'an , China) |
| 17:45 | S030 | An Evaluation of the Alpha-cluster Formation Factor in (n,α) Reactions / Odsuren Myagmarjav (Nuclear Research Center, National Uni. of Mongolia, Mongolia) |

Topic Track: Evaluation

Session Title: Evaluation methodology 1

Chair: Nobuyuki Iwamoto

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- 08:30 I031 **New Paradigm for Nuclear Data Evaluation** / Michal Herman (LANL, USA)
- 09:00 R032 **Prompt Fission Neutron Spectra of $^{238}\text{U}(\text{n},\text{F})$ and $^{232}\text{Th}(\text{n},\text{F})$** / Vladimir M. Maslov (Joint Ins. of Nuclear and Energy Research, 22 0109, Minsk-Sosny, Belarus)
- 09:20 R033 **Interfacing TALYS with A Bayesian Treatment of Inconsistent Data and Model Defects** / Georg Schnabel (Uppsala Uni., Sweden)
- 09:40 R034 **The RAC-CERNGEPLIS Evaluation Method for Global Fitting** / Zhenpeng Chen (Tsinghua Uni., China)
- 10:00 R035 **Theoretical Calculations and Covariance Analysis for $\text{n}+^{40}\text{Ca}$ Reactions** / Yue Zhang (China Inst. of Atomic Energy)
- 10:20 **Break**
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Topic Track: Evaluation

Session Title: Evaluation methodology 2

Chair: Michal Herman

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- 10:40 R036 **Canceled Evaluations for Chromium Isotopes** / Gustavo Nobre (National Laboratory, USA)
- 11:00 R037 **New Evaluations of W-182,184,186 General Purpose Neutron Cross-section Data up to 200 MeV Neutron Energy** / Alexander Konobeyev (Karlsruhe Ins. of Technology, Germany)
- 11:20 R038 **^{233}U Cross Section Comparison Evaluation Between SAMMY and FITWR Code Fitting Procedures** / Mohammad Alrwashdeh (Khalifah university, Jordan)
- 11:40 R039 **Evaluation of Neutron Induced Reactions on Fe-56 with CONRAD** / Maria Diakaki (CEA, DEN Cadarache, F-13 108 Saint Paul Les Durance, France)
- 12:00 S040 **Calculation of Stricken to Mortality and Incidence Cancers Due to Beyond Design Basis Accidents (BDBA) in Populations Near Nuclear Facilities** / Hadi Shamoradifar (Payam e noor university, Iran)
- 12:05 S041 **Some Ideas Need Discussion in Global Fitting for Nuclear Data Evaluation** / Zhenpeng Chen (Tsinghua university, China)
- 12:10 S042 **The Evaluations of Gamma-induced V-51** / Lin Li (China Inst. of Atomic Energy)
- 12:15 S043 **Development the Nuclear Decay Data Sublibrary for Fission Product** / Xiaolong Huang (China Nuclear Data Center)

Topic Track: Evaluation
Session Title: Evaluation methodology 3
 Chair: Cyrille De Saint Jean

14:00	I044	Resonance Evaluations of Gadolinium Isotopes / Luiz Leal (Institut de Radioprotection et de Surete Nucleaire, France) Speaker:Clement Jeannesson
14:30	R045	Measurement and Covariance Analysis of Reaction Cross-section by Using Unscented Transformation Method / Vidya Devi (IET Bhaddal, Rupnagar, Punjab-India)
14:50	R046	Unified Bayesian Evaluation of Oxygen Based on the Hybrid R-matrix Method / Helmut Leeb (TU Wien, Austria)
15:10	R047	New Perspectives in Neutron Reaction Cross-section Evaluation Using Consistent Multichannel Modeling Methodology: Application to 16-O / Aloys Nizigama (CEA/DER/SPRC/LEPh, CE Cadarache, 13 108 Saint-Paul-lez-Durance, France) / Speaker: Olivier Bouland
15:30	R048	Evaluation and Validation of ^{28,29,30}Si Cross Sections in the Resolved Resonance Region / Roberto Capote (IAEA)
15:50		Break

Topic Track: Evaluation
Session Title: Evaluation methodology 4
 Chair: Xiaolong Huang

16:10	R049	New ²³Na Nuclear Data Evaluation Taking Into Account Both Differential and Double Differential Experiments / Pascal Archier (CEA, France)
16:30	R050	Prompt Fission Neutron Spectra of ²³⁷Np(n,F) and ^{241,243}Am(n,F) / Vladimir M. Maslov (Joint Ins. of Nuclear and Energy Research, Minsk-Sosny, Belarus)
16:50	R051	Can Machine Learning Techniques Help Us to Solve Nuclear Data Problems? / Denise Neudecker (LANL, USA) / Speaker: Michal Herman
17:10	R052	The Systematics of Nuclear Reaction Excitation Function / Jimin Wang (China Inst. of Atomic Energy)
17:30	R053	On the Use of Indicator for Measuring Goodness of Bayesian Inference in Evaluation of Nuclear Data / Cyrille De Saint Jean (CEA, France)

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data processing 1

Chair: Cedric Jouanne

08:30	I054	Status of the IRSN Nuclear Data Processing System GAIA-2 / Clément Jeannesson (Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France)
09:00	R055	Analyzing the Distribution of Scattering Angle in Ace Multigroup Library Using the Maximum Entropy Method / Shuaitao Zhu (North China Electric Power Uni.)
09:20	R056	Study on Consistent PN Cross Section Process Method for Fast Reactor / Xubo Ma (North China Electric Power Uni.)
09:40	R057	Upgrade on Neutron-gamma Coupled Multi-group Data Generation System / Xiaofei Wu (China Nuclear Data Center)
10:00	R058	Development of Multi-group Nuclear Engineering Computational Library for Neutronics Calculation of Light Water Reactors / Qingming He (Xi'an Jiaotong Uni., China)
10:20	Break	

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data processing 2

Chair: Clément Jeannesson

10:40	I059	Current Status of the GALILEE-1 Processing Code / Cedric Jouanne (CEA Saclay, France)
11:10	I060	Implementation of URR and NTSL in the GNDS Format Using FUDGE / Bret Beck (Lawrence Livermore National Laboratory, USA)
11:40	R061	New R-matrix Resonance Reconstruction in NJOY21 / Wim Haeck (LANL, USA)
12:00	R062	Development and Verification of Resonance Elastic Scattering Kernel Processing Module in Nuclear Data Processing Code NECP-Atlas / Jialong Xu (Xi'an Jiaotong Uni., China)
12:20	S063	Application of hyperfine group self-shielding calculation method to lattice and whole-core physics calculation / Wen Yin (School of Nuclear Science and Technology, Xi'an Jiaotong Uni., Xi'an, Shaanxi, China)
12:25	S064	Updates of the Pressurized Water Reactor Burnup Nuclear Data Libraries Based on the Latest ENDF/B-VIII.0 Data / Chao Peng (Shanghai Nuclear Engineering Research & Design Ins. CO., LTD, China)

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data processing 3

Chair: Haicheng Wu

14:00	I065	Progress of the Development of the Nuclear Data Processing Code NECP-Atlas / Tiejun Zu (Xi'an Jiaotong Univerisity, China)
14:30	I066	Advanced Neutronics Software SuperMC and Its Real Time Multi-temperature Cross Sections Generation Method / Liqin Hu (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, China)
15:00	R067	NDPlot: A Plotting Tool for Nuclear Data / Yongli Jin (China Nuclear Data Center, China Inst. of Atomic Energy, Beijing 10 2413, China)
15:20	R068	Progress Towards International Adoption of GNDS / Caleb Mattoon (Lawrence Livermore National Laboratory, USA)
15:40	S069	Cancelled Integral Data Assimilation Technique to Provide Feedback for Data: Application to the JEFF-3.1.1 Library Using Post-irradiation Examinations / Gilles Noguere (CEA Cadarache, France)
15:50		Break

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data adjustment 1

Chair: Tiejun Zu

16:10	I070	Trends on Major Actinides from an Integral Data Assimilation / Gerald Rimpault (CEA, DEN, DER, SPRC, Cadarache, F-St Paul-Lez-Durance, France) / Speaker: Gilles Noguere
16:40	R071	Researches on Nuclear-data Adjustment for the Sodium-cooled Fast Reactor / Chenghui Wan (Xi'an Jiaotong Uni., China)
17:00	R072	Using Tanimato Measure to Assess Similarities of Different Critical Assemblies / Kai Fan (CAEP, China)
17:20	R073	Impact of Nuclear Data Evaluations on Data Assimilation for An LFR / Pablo Romojaro (CIEMAT, Spain)
17:40	R074	Towards Rigorous Integral Feedback: Computing Reference Sensitivities to Resonance Parameters / Pierre Tamagno (CEA, France)
18:00	R220	Effects of Different Nuclear Evaluation Data on the RMC K-eff Calculation / Wenxin Zhang (Nuclear Power Ins. of China)

Tue May 21

8:30-12:30

Room 301

Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 1

Chair: Jan Heyse

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| 08:30 | I075 | Gains: Neutron Inelastic Cross Section Measurements of Interest for Applications and Reaction Studies / Alexandru Liviu Negret (Horia Hulubei National Ins. for Physics and Nuclear Engineering, Romania) |
| 09:00 | R076 | Neutron Inelastic Cross Sections on ^{16}O / Marian Boromiza (Horia Hulubei National Ins. for Physics and Nuclear Engineering, Romania) |
| 09:20 | R077 | Neutron Inelastic Cross Sections on ^{54}Fe / Adina Olacel (Horia Hulubei National Ins. for Physics and Nuclear Engineering, Magurele, Romania) |
| 09:40 | R078 | Fast Neutron Inelastic Scattering from ^7Li / Roland Beyer (Helmholtz-Zentrum Dresden-Rossendorf, Germany) |
| 10:00 | R079 | Measurement of the Angular Distribution of Neutrons Scattered from Deuterium Below 3 MeV / Elisa Pirovano (Physikalisch-Technische Bundesanstalt, Germany) |
| 10:20 | | Break |
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Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 2

Chair: Alexandru Liviu Negret

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| 10:40 | I080 | Nuclear Data Activities at the EC-JRC Neutron Facilities GELINA and MONNET / Jan Heyse (European Commission - Joint Research Centre, Belgium) |
| 11:10 | R081 | Measurement of the ^{13}C Absorption Cross Section Via Neutron Irradiation and AMS / Tobias Wright (Uni. of Manchester, United Kingdom) |
| 11:30 | R082 | Profil-2 Experiment and Neutron Capture Cross Sections of Europium Isotopes / Shengli Chen (CEA, France) |
| 11:50 | R083 | ^{241}Am Neutron Capture Cross Section Measured with C6D6 Detectors at the n_TOF Facility, CERN / Andreea Oprea (Horia Hulubei National Ins. for R&D in Physics and Nuclear Engineering (IFIN-HH), Romania) |
| 12:10 | R084 | Canceled Capture Cross-section of Hf-180 / Ngoc Son Pham (Nucleonics Institute, Vietnam) |

Topic Track: Nuclear Reaction Measurements
Session Title: Nuclear reaction measurements 3
 Chair: Hiroaki Utsunomiya

14:00	R085	Preliminary Results on the Neutron Induced Capture Cross Section and Alpha Ratio of ^{233}U at n_TOF with Fission Tagging / Michael Bacak (CERN, Switzerland)
14:20	R086	Radiative Thermal-neutron Capture on ^{139}La / Aaron Hurst (Uni. of California, Berkeley, USA)
14:40	R087	Measurement of the Pu-242(n,γ) Cross Section from Thermal to 500 KeV at the Budapest Research Reactor and CERN n_TOF-EAR1 Facilities / Jorge Lerendegui-marco (Universidad de Sevilla, Spain)
15:00	R088	Measurement of Neutron-capture Cross Sections of Radioactive Minor Actinide Isotopes with High Time-resolution Neutron Pulses at J-PARC/MLF / Shoichiro Kawase (Japan Atomic Energy Agency)
15:20	R089	Measurement of the Neutron Capture Cross Section of ^{237}Np Using ANNRI at MLF/J-PARC / Gerard Rovira Leveroni (Tokyo Ins. of Technology, Japan)
15:40	S090	Research on Neutron Total Cross-section Measurement at CSNS-WNS / Xingyan Liu (China Academy of Engineering Physics, Mianyang, China)
15:45	S091	Neutron Capture and Total Cross-section Measurement of Gd-155 and Gd-157 at ANNRI in J-PARC / Atsushi Kimura (Japan Atomic Energy Agency (JAEA))
15:50		Break

Topic Track: Nuclear Reaction Measurements
Session Title: Nuclear reaction measurements 4
 Chair: Tatsuya Katabuchi

16:10	I092	GDR Cross Sections Updated in the IAEA-CRP / Hiroaki Utsunomiya (Konan Uni., Japan)
16:40	R093	Study of Photon Strength Functions of Pu-241 and Cm-245 from Neutron Capture Measurements / Daniel Cano-ott (CIEMAT, Spain)
17:00	R094	New Reliable Photoneutron Reaction Data for ^{159}Tb / Vladimir Varlamov
17:20	R095	Measurement and Analysis of $^{155,157}\text{Gd}(n,\gamma)$ From Thermal Energy to 1 KeV / Cristian Massimi (INFN - Bologna, Italy)
17:40	S096	Neutron Inelastic Cross Section Measurements on $^{58,60}\text{Ni}$ / Adina Olacel (Horia Hulubei National Ins. for Physics and Nuclear Engineering, Romania)
17:45	S097	Neutron Resonance Transmission Analysis of Cylindrical Samples Used for Reactivity Worth Measurements / Lino Salamon (CEA, DER, DEN, Cadarache, F-Saint-Paul-les-Durance, France)
17:50	S098	Photodisintegration Reaction Rate Involving Charged Particles: Systematic Uncertainty from Nuclear Optical Model Potential and Experimental Solution Based on ELI-NP / Haoyang Lan (Uni. of South China)
17:55	S099	Source Driven by 15 MeV Electron Linac / Jianlong Canceled lied Physics, Chinese Academy of Sciences, Shanghai

Tue May 21

8:30-12:30

Room 302

Topic Track: Fission Physics and Observables

Session Title: Fission theory and experimental 1

Chair: Satoshi Chiba

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- 08:30 I100 Energy Dependent Fission Product Yields from Neutron Induced Fission of ^{235}U , ^{238}U , and ^{239}Pu / Anton Tonchev (Lawrence Livermore National Laboratory, USA)**
- 09:00 R101 Fission Studies at IGISOL/JYFLTRAP: Measurements of Neutron-induced Fission Yields / Andreas Solders (Uppsala Uni., BOX 516, Uppsala, Sweden)**
- 09:20 R102 Product Yields from 0.57 MeV, 1.0 MeV and 1.5 MeV Neutron Induced Fission of U-235 / Jing Feng (China Inst. of Atomic Energy)**
- 09:40 R103 Fission Studies at IGISOL/JYFLTRAP: Isomeric Yield Ratio Measurements from 25 MeV $^{\text{nat}}\text{U}(p,f)$, in the Quest for Angular Momentum Studies / Mattias Lantz (Uppsala Uni., Sweden)**
- 10:00 R104 Update of EXFOR for Experimental Fission Product Yield / Naohiko Otsuka (IAEA) / Speaker: Shin Okumura**
- 10:20 Break**

Topic Track: Fission Physics and Observables

Session Title: Fission theory and experimental 2

Chair: Anton Tonchev

-
- 10:40 I105 Energy Dependent Fission Yield Calculations with Langevin Model, Hauser-Feshbach Statistical Decay and Beta Decay / Shin Okumura (International Atomic Energy Agency, Austria)**
- 11:10 R106 Fission Study in Macro-microscopic Model / Tieshuan Fan (School of Physics, Peking Uni., China) / Speaker: Zhiming Wang**
- 11:30 R107 Calculation of Fission Fragment Mass Distributions by Using A Semi-empirical Method / Jounghwa Lee (Nuclear Data Center, Korea Atomic Energy Research Institute, Daejeon , Korea)**
- 11:50 R108 Study of fission dynamics with a three-dimensional Langevin approach / Lile Liu (China Inst. of Atomic Energy)**
- 12:10 R109 A Global Parameterization for Fission Yields / Amy Lovell (LANL, USA)**

Topic Track: Fission Physics and Observables
Session Title: Fission theory and experimental 3
 Chair: Ali Al-adili

14:00	I252	Calculation of the Fission Observables in the Resolved Resonance Energy Region of the $^{235}\text{U}(n,f)$ Reaction / Olivier Serot (French Alternative Energies and Atomic Energy Commission (CEA), France)
14:30	R111	Microscopic Study on Nuclear Fission Dynamics Within Covariant Density Functional Theory / Zhipan Li (School of Physical Science and Technology, Southwest Uni., Chongqing , China)
14:50	R112	A Monte Carlo Approach for Estimating Fission Fragment Distributions / Marc Verriere (LANL, USA)
15:10	R113	Canceled beta-delayed fission gamma data / Nengchuan Shu (China)
15:30	R114	Study of High-energy Fission and Quasi-fission with Inverse Kinematics / Giorgia Mantovani (INFN-LNL, Uni. of Padova, Italy)
15:50		Break

Topic Track: Fission Physics and Observables
Session Title: Fission theory and experimental 4
 Chair: Olivier Serot

16:10	I115	The VERDI Spectrometer - Opportunities and Challenges / Ali Al-adili (Department of Physics and Astronomy, Uppsala Uni., Sweden)
16:40	R116	FALSTAFF, An Apparatus to Study Fission Fragment Distributions: First Arm Results / Quentin Deshayes (CEA Irfu, France)
17:00	R117	Performance of A Twin Position-sensitive Frisch-grid Ionization Chamber for Photofission Experiments* / Marius Peck (Institut für Kernphysik, Technische Universität Darmstadt, Darmstadt, Germany)
17:20	R118	Fission Fragments Observables Measurements at the LOHENGRIN Spectrometer / Christophe Sage (CNRS/LPSC, F-Grenoble, France)
17:40	S119	DelFin: A Talys-based Tool for the Comparison of Fission Model Codes / Andreas Solders (Uppsala Uni., BOX 51 6, Uppsala, Sweden, China)
17:45	S120	Discussion of Atomic Number Measurement of Fission Fragment by the Nuclear Stopping Power / Wengang Jiang (Northwest Ins. of Nuclear Technology, China) / Speaker: Quanlin Shi
17:50	S121	Yield Evaluation for Several Chains of $^{235}\text{U}+n$ Fission with Zp Model / Xiaoxue Zhao (Shenyang Normal Uni., China)

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 1
 Chair: Markus Nyman

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- 08:30 I122 RAON: Rare Isotope Accelerator Complex for On-line Experiment** / Young Kwan Kwon (Rare Isotope Science Project (RISP) / Ins. for Basic Science (IBS), Korea)
- 09:00 R123 Neutron Activation Experiment of ITER Concrete Based on HINEG D-T Neutron Source** / Jun Zou (Ins. of Nuclear Energy Safety Technology, CAS•FDS Team, China)
- 09:20 R124 Development of HINEG and Its Experimental Campaigns** / Fang Wang (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, Hefei, Anhui, China) / Speaker: Yongfeng Wang
- 09:40 R125 A New LCS γ Source- Shanghai Laser Electron Gamma Source (SLEGS) At Shanghai Synchrotron Radiation Facility (SSRF)** / Gongtao Fan (Shanghai Advanced Research Ins. Chinese Academy of Sciences, China)
- 10:00 R126 Physics Design of the Next-generation Spallation Neutron Target-moderator-reflector-shield Assembly Mark-IV at LANSCE** / Lukas Zavorka (LANL, USA)
- 10:20 Break**

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 2
 Chair: Young Kwan Kwon

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- 10:40 I127 New Equipment for Neutron Scattering Cross-section Measurements at GELINA** / Markus Nyman (European Commission, Joint Research Centre, Unit G.2 - Standards for Nuclear Safety, Security & Safeguards, Retieseweg 111, 2440 Geel, Belgium)
- 11:10 R128 Current Status of KAERI Neutron Time-of-flight Facility and Its Performance Prediction Through Monte Carlo Simulations** / Jong Woon Kim (Korea Atomic Energy Research Institute)
- 11:30 R129 Neutron Beam Line for TOF Measurements at the Spanish National Accelerator Lab (CNA)** / Miguel Macías Martínez (Universidad de Sevilla - Centro Nacional de Aceleradores, Spain)
- 11:50 R130 Commissioning of An MRTOF-MS at IMP/CAS** / Wenxue Huang (Ins. of Modern Physics, Chinese Academy of Sciences, China)
- 12:10 S131 Laser-driven Neutrons for Time-of-flight Experiments?** / Carlos Guerrero (Universidad de Sevilla (US), Spain) / Speaker: Jorge Lereendegui Marco
- 12:15 S132 The Prototype Dosimetry System to Protect MPD Electronic Equipment at the New NICA Collider.** / Marcin Bielewicz (National Center for Nuclear Research, Swierk, Otwock, Poland)
- 12:20 S133 Neutron Source Evaluation for the Neutron Data Production System (NDPS) At RAON** / Sangjin Lee (Ins. for Basic Science (IBS), Korea)
- 12:25 S134 A Design of Transition-edge Sensor for Measuring Kinetic Energies of Fission Fragments** / Xianglei Wang (Northwest Ins. of Nuclear Technology, China)

Tue May 21 **14:00-17:55** **Room 303**

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 3
 Chair: Heikki Penttila

14:00	I135	Status and Perspectives of the Neutron Time-of-flight Facility n_TOF at CERN / Enrico Chiaveri (European Organization for Nuclear Research (CERN), Switzerland)
14:30	R136	Fission Studies at IGISOL/JYFLTRAP: Simulations of the Ion Guide for Neutron-induced Fission and Comparison with Experimental Data / Zhihao Gao (Uppsala Uni., BOX 516, Uppsala, Sweden.)
14:50	R137	Discovery of New Neutron-moderating Materials at ISIS Neutron and Muon Source / Goran Skoro (UK Research and Innovation Science and Technology Facilities, United Kingdom)
15:10	R138	Development of SONATE, A Compact Accelerator Driven Neutron Source / Loic Thulliez (IRFU, CEA, Université Paris-Saclay F-Gif-sur-Yvette France)
15:30	R139	Introduction of the C6D6 Detector System of the Back-n at CSNS / Jie Ren (China Inst. of Atomic Energy)
15:50		Break

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 4
 Chair: Enrico Chiaveri

16:10	I140	Radioactive Ion Beam Manipulation at the IGISOL-4 Facility / Heikki Penttila (Uni. of Jyväskylä, Finland)
16:40	R141	Development of Stainless-steel Reflector for VR-1 Training Reactor / Jan Frybort (Czech Technical Uni. in Prague, Czech Republic)
17:00	R142	Characterization of Neutron Source for Nuclear Data Experiment in China / Jie Bao (China Inst. of Atomic Energy)
17:20	R143	Double-bunch Unfolding Method for the CSNS Back-n White Neutron Source / Han Yi (Ins. of High Energy Physics, Chinese Academy of Sciences, China) / Speaker: Taofeng Wang
17:40	S144	Formation of A Thermal Neutron Beam and Measurement of Its Intensity at the Tandetron Accelerator / Konstantin Mitrofanov (Joint Stock Company "State Scientific Centre of the Russian Federation - Ins. for Physics and Power Engineering named after A.I. Leypunsky")
17:45	S145	Analysis of the Systematic Errors in Determining the Time Stamp for the Digital Time-of-flight Neutron Spectrometer. / Pavel Prusachenko (I.I. Leypunsky Ins. for Physics and Power Engineering (IPPE), Bondarenko sq. 1, Obninsk, Russia)
17:50	S146	In Searching of Leakage Location of Underground High Voltage Electric Cable Using Radiotracer Method / Sugiharto Sugiharto (Center for Isotopes and Radiation Application (CIRA), National Nuclear Energy Agency of Indonesia (BATAN))

Topic Track: Nuclear Data Application

Session Title: Application in Nuclear Reactor 1

Chair: Alejandro Sonzogni

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| 08:30 | I147 | Assessment of Representativity of the PETALE Experiments for Validation of Swiss LWRs Ex-core Dosimetry Calculations / Dimitri Rochman (Paul Scherrer Institut, Switzerland) / Speaker: Marco Pecchia |
| 09:00 | R148 | Development and Verification of WIMS-D Libraries for Advanced Self-shielding Method / Yuechao Liang (Harbin Engineering Uni., China) |
| 09:20 | R149 | Study on Kinetic Characteristics of Krypton and Xenon in Molten Salt Reactor System / Bo Zhou (Shanghai Ins. of Applied Physics (SINAP), CAS, China) |
| 09:40 | R150 | Development and Engineering Verification of A Multi-group Library for PWR Lattice Calculation / Hongbo Zhang (Shanghai Nuclear Engineering Research and Design Institute, China) |
| 10:00 | R151 | Decay Data for Decay Heat and Anti-neutrino Spectra Calculations / Paraskevi Dimitriou (International Atomic Energy Agency, 1400 Vienna, Austria) |
| 10:20 | Break | |
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Topic Track: Nuclear Data Application

Session Title: Application in Nuclear Reactor 2

Chair: Paraskevi Dimitriou

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| 10:40 | R152 | Fine Structure in Nuclear Reactors Antineutrino Spectra / Alejandro Sonzogni (Brookhaven National Laboratory, USA) |
| 11:00 | R153 | Rational Function Representation of Point-wise Nuclear Cross Sections and Applications to Doppler Broadening / Shichang Liu (North China Electric Power Uni.) |
| 11:20 | R154 | Radiological Assessments of the Chemical Plant of the Molten Salt Fast Reactor in the Frame of the SAMOFAR H2020 Project / Anthony Marchix (Irfu, CEA, Université Paris-Saclay, F-91 191 Gif-sur-Yvette, France) |
| 11:40 | R155 | Reaction Rate of Transmutation ^{129}I, ^{237}Np, and ^{243}Am: Modeling and Comparison with the Yalina-thermal Facility Experiments / Tamara Korbut (The Joint Ins. for Power and Nuclear Research - Sosny of the National Academy of Sciences of Belarus) |
| 12:00 | R156 | Optimization of neutron-energy group structure for graphite-moderated reactors in the SCALE code system / Lukasz Koszuc (National Centre for Nuclear Research, Poland) |
| 12:20 | S157 | Neutronic Parameters and CPS (control and Protection System) Worth Calculation of Thermal Research Reactor Using MCNPX Code / Hadi Shamoradifar (Payam e noor university, Iran) |

Tue May 21**14:00-17:50****Room 305****Topic Track: Nuclear Data Application****Session Title: Application in Nuclear Reactor 3**

Chair: Tamara Korbut

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| 14:00 | I158 | A New Reference Database for Beta-delayed Neutron Data for Applications / Paraskevi Dimitriou (International Atomic Energy Agency, On behalf of the IAEA CRP, Austria) |
| 14:30 | R159 | On-the-fly Temperature-dependent Cross Section Treatment Under Extreme Conditions in RMC Code / Lei Zheng (Department of Engineering Physics, Tsinghua Uni., China) |
| 14:50 | R160 | Evolution of the Importance of Neutron-induced Reactions Along the Cycle of An LFR / Pablo Romojaro (CIEMAT, Spain) |
| 15:10 | R161 | Benchmarking the New ENDF/B-VIII.0 Nuclear Data Library for OECD/NEA Medium 1000 MWth Sodium-cooled Fast Reactor / Donny Hartanto (Uni. of Sharjah, UAE, United Arab Emirates) |
| 15:30 | R162 | Measurement of Temperature-dependent Thermal Neutron Spectrum in CaH₂ Moderator Material for Space Reactor Using TOF Method / Jaehong Lee (Ins. for Intergrated Radiation and Nuclear Science, Kyoto Unversity, Japan) |
| 15:50 | | Break |
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Topic Track: Nuclear Data Application**Session Title: Application in Nuclear Reactor 4**

Chair: Ping Liu

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| 16:10 | R163 | Production and Verification of the Compressed Depletion Data Library for Neutronic Analysis / Yunfei Zhang (Harbin Engineering Uni., China) |
| 16:30 | R164 | Benchmarking the New ENDF/B-VIII.0 Nuclear Data Library for the First Core of Indonesian Multipurpose Research Reactor (RSG-GAS) / Donny Hartanto (Uni. of Sharjah, UAE, United Arab Emirates) |
| 16:50 | R165 | Nuclear Data Sensitivity and Uncertainty Analyses on the First Core Criticality of the RSG Gas Multipurpose Research Reactor / Peng Hong Liem (Tokyo City Uni., Japan) |
| 17:10 | R166 | On the Impact of Nuclear Data Uncertainties on LWR Neutron Dosimetry Assessments / Dimitri Rochman (Paul Scherrer Institut, Switzerland) / Speaker: Erwin Alhassan |
| 17:30 | R167 | Nuclear Data Sensitivity Analysis and Uncertainty Propagation in the KYADJ Whole-core Transport Code / Qu Wu (Nuclear Power Ins. of China) |
| 17:50 | S304 | Uncertainty Quantification and Sensitivity Studies on Thorium-fueled Reactors / Eliot Party (Institut Pluridisciplinaire Hubert Curien - Université de Strasbourg, France) / Speaker: Maelle Kerveno |
| 17:55 | R302 | The influence and analysis of background cross section for the calculation of PWR fuel pin / Xiang Xiao (School of Nuclear science and Engineering, North China Electric Power Uni., Beijing , China) |

Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 5

Chair: Jutta Escher

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- 08:30 I168 **Fission Cross Sections of Plutonium Isotopes** / Roberto Capote (IAEA)
- 09:00 R169 **Theoretical Calculation and Evaluation of Neutron-induced Reactions on Pu Isotopes** / Hairui Guo (Ins. of Applied Physics and Computational Mathematics, Beijing , China)
- 09:20 R170 **Theoretical Calculation and Evaluation for $n+^{232,233,234,235,236,237,238}\text{U}$ Reactions** / Yinlu Han (China Inst. of Atomic Energy)
- 09:40 ~~R171 **Photonuclear Data Library and Photon Strength Functions** / Paraskevi Dimitriou (IAEA)~~
- 10:00 R172 **The Evaluations of Photonuclear Data in CNDC** / Xi Tao (China Inst. of Atomic Energy)
- 10:20 **Break**
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Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 6

Chair: Roberto Capote

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- 10:40 I173 **Surrogate Reactions: Doorways to Cross Sections for Unstable Isotopes** / Jutta Escher (Lawrence Livermore National Laboratory, USA)
- 11:10 R174 **Incorporating A Two-step Mechanism into Calculations of (p,t) Reactions Used to Populate Compound Nucleus Spin-parity Distributions in Support of Surrogate Neutron Capture Measurements** / James Benstead (AWE, United Kingdom)
- 11:30 R175 **Statistical Theory of Light Nucleus reactions with 1p-shell light nuclei involved** / Xiaojun Sun (Guangxi Normal Uni., College of Physics, Guilin, China)
- 11:50 R176 **Microscopic Optical Potentials for Li Isotopes** / Wendi Chen (Graduate School of China Academy of Engineering Physics)
- 12:10 S177 **Coupled-channel Analysis of Deuteron Scattering on ^{56}Fe** / Yujie Liu (Graduate School of China Academy of Engineering Physics)
- 12:15 S178 **Studies on Neutron-Neutron Elastic Scattering** / Qianghua Wu (Tsinghua Uni., China)

Wed May 22

14:00-16:10

Room 202

Topic Track: Nuclear Theory, Model and Codes

Session Title: Nuclear reaction theory models and codes 7

Chair: Yukinobu Watanabe

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| 14:00 | R179 | N+d Scattering Solved with Faddeev-AGS Equations Using the Wave Packet Method / Danyang Pang (Beihang Uni., China) |
| 14:20 | R180 | QRPA Predictions of the E1 and M1 Gamma-ray Strength Functions Using the D1M Gogny Interaction / Stephane Hilaire (CEA, France) |
| 14:40 | R181 | A Study of Giant Dipole Resonance Parameters from Photoabsorption Cross Sections / Yuan Tian (China Inst. of Atomic Energy) |
| 15:00 | R182 | Structure of Continuum States and Strength Function in the Complex Scaling Method / Myagmarjav Odsuren (School of Engineering and Applied Sciences, National Uni. of Mongolia, Mongolia) |
| 15:20 | S183 | The Refractive Scattering of $^{17}\text{F}+^{12}\text{C}$ / Liyuan Hu (Harbin Engineering Uni., China) |
| 15:25 | S184 | Simulation of Neutron Transmission Performance of Metal Spherical Shell Under Temperature Dependent Neutron Cross Section / Yinghong Zuo (Northwest Institute of Nuclear Technology, China) |
| 15:30 | S185 | Improvement of Generalized Evaporation Model Based on Analysis of Isotope Production in Proton- and Deuteron-induced Spallation Reactions / Shunsuke Sato (Kyushu Uni., Japan) |
| 15:50 | | Break |
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16:10-18:00 **Workshop on Neutronics Experiment Facility HINEG and Simulation Code SuperMC**

Topic Track: Evaluation

Session Title: Evaluated libraries

Chair: Allan Carlson

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- 08:30 I186 **Status of JENDL** / Osamu Iwamoto (Japan Atomic Energy Agency)
- 09:00 R187 **Completeness of Neutron-, Photo-induced and Spontaneous Fission Yields Data** / Boris Pritychenko (Brookhaven National Laboratory, USA)
- 09:20 R188 **Systematic Description of Product Mass Yields of the Neutron-induced ^{232}Th and $^{232-239}\text{U}$ Fissions** / Wenjie Zhu (School of Physics, Peking Uni., China) / Speaker: Tieshuan Fan
- 09:40 R189 **Evaluation and Validation of Fe-56 Data after CENDL-3.2b1** / Haicheng Wu (China Inst. of Atomic Energy)
- 10:00 R190 **Decay Heat Uncertainty Quantification with the GNIAC Code** / Jimin Ma (Ins. of Nuclear Physics and Chemistry, China)
- 10:20 **Break**
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Topic Track: Evaluation

Session Title: Uncertainty quantification and covariances 1

Chair: Boris Pritychenko

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- 10:40 R191 **Depletion Uncertainty Analysis Performed to the Critical MYRRHA Core Configuration** / Alexey Stankovskiy (SCK-CEN, a Belgian Nuclear Research Centre, Belgium)
- 11:00 R192 **Canceled** **Reaction Cross-sections with Taking Unrecognized to Account** / Sergei Badikov (National Research Nuclear Uni. "MEPhI", Russia)
- 11:20 R193 **Covariance Evaluation of the CENDL Library** / Ruirui Xu (China Inst. of Atomic Energy)
- 11:40 S194 **Uncertainties of Calculated Coincidence-summing Correction Factors in Gamma-ray Spectrometry** / Valentina Semkova (Ins. for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia, Bulgaria) / Speaker: Naohiko Otsuka
- 11:45 S195 **Uncertainty Quantification by Polynomial Chaos Technique for Source Driven Subcritical Experimental Systems** / Tamara Korbut (The Joint Ins. for Power and Nuclear Research - Sosny of the National Academy of Sciences of Belarus)
- 11:50 S196 **Cyclotron Production Cross Sections of ^{61}Cu Radionuclide from $^{nat}\text{Ni}(d, X)^{61}\text{Cu}$ Nuclear Reaction** / Ahmed Rufai Usman (Umaru Musa Yaradua Uni., Nigeria)
- 11:55 S197 **Measurement of $^{241}\text{Am}(n,2n)$ Reaction Cross-section Induced by 14.8 MeV Neutron** / Feng Xie (Northwest Ins. of nuclear technology, China)

Topic Track: Evaluation

Session Title: Uncertainty quantification and covariances 2

Chair: Osamu Iwamoto

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| 14:00 | I198 | Reduction of Uncertainty in General-purpose Libraries Using Transport Equation Constraints / Jan Malec (JSI, Slovenia) |
| 14:30 | R199 | Researches on Uncertainty Quantification Due to Nuclear-data Covariance for PWR and SFR / Chenghui Wan (Xi'an Jiaotong Uni., China) |
| 14:50 | R200 | Covariance Generation for the Prompt Neutron Multiplicity on Pu-239 and U-235 Including the (n,γf) Process in the R.R.R. / Esther Leal-cidoncha (Laboratory of Physical Studies, CEA/DEN Cadarache, F-13 108 Saint Paul Les Durance, France) / Speaker: Gilles Noguere |
| 15:10 | R201 | Measurement of $^{235}\text{U}(n,f)$ Cross Section Below 150 keV / Simone Amaducci (INFN - Laboratori Nazionali del Sud, Italy) |
| 15:30 | S202 | Calculation of Electron Scattering Cross-section Using Different Theoretical Methods / Xiazhi Li (Northwest Ins. of Nuclear Technology, Xi'an, China) |
| 15:35 | S203 | Improved Model for Atomic Displacement Calculation / Shengli Chen (CEA, France) |
| 15:50 | | Break |
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Topic Track: Evaluation

Session Title: Cross section and decay standards

Chair: Jan Malec

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| 16:10 | I204 | Recent Work on Neutron Cross Section Standards / Allan Carlson (NIST, USA) |
| 16:40 | R205 | Canceled Challenges of Experiments in the Neutron Data Standards / Neudecker (LANL, USA) / Speaker: LA-TBD |
| 17:00 | R206 | Modified Single Particle Estimate Approach for Estimation of Nuclear Resonance Fluorescence Cross-section / Kwangho Ju (KAIST (Korea Advanced Ins. of Science and Technology)) |
| 17:20 | R207 | Precise Measurement of the Neutron Capture Cross Section of U-235 at Thermal and Sub-thermal Energies / Anton Wallner (Department of Nuclear Physics, Australian National Uni., Canberra, Australia) |
| 17:40 | R208 | Relativistic Effect on Atomic Displacement Damage / Shengli Chen (CEA, France) |

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data adjustment 2

Chair: Andrej Trkov

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| 08:30 | I209 | Integral Adjustment of Nuclear Data Libraries - Finding Unrecognized Systematic Uncertainties and Correlations / Henrik Sjostrand (Division of Applied Nuclear Physics, Department of Physics and Astronomy, Uppsala Uni., Uppsala, Sweden) |
| 09:00 | R210 | In Search of the Best Nuclear Data File for Proton Induced Reactions: Varying Both Models and Their Parameters / Erwin Alhassan (Laboratory for Reactor Physics and Thermal-Hydraulics, Paul Scherrer Institute, 5232 Villigen, Switzerland) |
| 09:20 | R211 | Data Assimilation with Post Irradiation Examination Experiments / Daniel Siefman (Swiss Federal Ins. of Technology in Lausanne, Switzerland) |
| 09:40 | R212 | Analysis of the Prior Nuclear Data Correlation and Its Effect on the Adjustment in Bayesian Inference / Dinesh Kumar (Uppsala Uni., Sweden) |
| 10:00 | R213 | Learning from Google: About A Computational EXFOR Database for Efficient Data Retrieval and Analysis / Georg Schnabel (Uppsala Uni., Sweden) |
| 10:20 | | Break |
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Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data validation 1

Chair: Tim Ware

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| 10:40 | I214 | Improved Evaluations of Neutron Induced Reactions on ^{57}Fe and ^{56}Fe Targets / Andrej Trkov (IAEA, Austria) |
| 11:10 | I215 | Fusion Decay-heat Benchmark for Nuclear Data Validation: Advanced Interrogation Capabilities with FISPACT-II / Mark Gilbert (United Kingdom Atomic Energy Authority) |
| 11:40 | R216 | Two Absolute Integral Measurements of the $^{197}\text{Au}(n,\gamma)$ Stellar Cross-section and Solution of the Historic Discrepancies. / Javier Praena (Uni. of Granada (Spain)) |
| 12:00 | R217 | Nuclear Data Verification and Validation Platform for JEFF-4 / Luca Fiorito (Nuclear Energy Agency, France) |
| 12:20 | R218 | New Features and Improvements in the NEA Nuclear Data Tool Suite / Michael Fleming (OECD Nuclear Energy Agency, France) |

Wed May 22

14:00-18:00

Room 205

Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data validation 2

Chair: Bret Beck

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- 14:00 I219 **Benchmark Testing of CENDL-3.2** / Haicheng Wu (China Inst. of Atomic Energy)
- 14:30 R220 **Canceled** Nuclear Evaluation Data on the RMC K-eff Calculation / (near Power Ins. of China)
- 14:50 R221 **Analyses of Natural Radioactivity Concentrations in Soil and Assessment of Effective Doses in Several Districts of BANTEN and West Java, Indonesia** / Makhsun Makhsun (National Nuclear Energy Agency of Indonesia)
- 15:10 R222 **Validation of Tritium Production Cross-section of Lithium in JEFF3.2 with HCPB Mock-up Experiment** / Bin Li (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, China)
- 15:30 R223 **Canceled** ENDF/B-VIII.0 Using the LANL Expanded Criticality Validation / Ramon Arcilla (Brookhaven National Laboratory, USA)
- 15:50 **Break**
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Topic Track: Nuclear Data Processing and Validation

Session Title: Nuclear data validation 3

Chair: Mark Gilbert

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- 16:10 I224 **Validation of JEFF-3.3 and ENDF/B-VIII.0 Nuclear Data Libraries in ANSWERS Codes** / Tim Ware (Wood, United Kingdom)
- 16:40 I225 **Advance: the ENDF Quality Assurance System** / David Brown (National Nuclear Data Center/Brookhaven National Laboratory, USA)
- 17:10 R226 **Testing of the Thorium-uranium Fuel Cycle Special Nuclear Data Library - CENDL-TMSR 1.0** / Xiaohe Wang (Shanghai Ins. of Applied Physics, China)
- 17:30 R227 **Validation of A New URR Implementation in GNDS Format** / Marie-anne Descalle (Lawrence Livermore National Laboratory, USA)
- 17:50 S228 **Ratio of Spectral Averaged Cross Sections Measured in 252-Cf(sf) and 235-U(n_{th},f) Neutron Fields** / Martin Schulc (Research Centre Rez, Czech Republic) / Speaker: R. Capote
- 17:55 S229 **Introduction of A Systematic Integral Testing Tool ENDITS** / Huanyu Zhang (China Inst. of Atomic Energy)

Wed May 22**8:30-12:30****Room 301****Topic Track: Nuclear Reaction Measurements****Session Title: Nuclear reaction measurements 5**

Chair: Maelle Kerveno

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- 08:30 I230 Measurement of (n,f) and (n,2n) Cross Sections of Actinides with the Surrogate Capture-reaction Method / Chengjian Lin (China Inst. of Atomic Energy)**
- 09:00 R231 Measurements of Cross Sections for High Energy Neutron Induced Reactions on Co and Bi / Peane Peter Maleka (NRF-iThemba LABS, South Africa)**
- 09:20 R232 High Precision Measurements of the $^{93}\text{Nb}(n,2n)^{92g+m}\text{Nb}$ Reaction Cross Section / Jianqi Chen (China Inst. of Atomic Energy) / Speaker: Guangyuan Luan**
- 09:40 R233 Measurements of Differential and Angle-integrated Cross Sections for the $^{10}\text{B}(n,\alpha)^7\text{Li}$ Reaction in the Neutron Energy Range of $1\text{ eV} < E_n < 2.5\text{ MeV}$ / Haoyu Jiang (State Key Laboratory of Nuclear Physics and Technology, School of Physics, Peking Uni., Beijing, China)**
- 10:00 R234 Angular Differential and Angle-integrated Cross Section Measurement for the $^6\text{Li}(n,t)^4\text{He}$ Reaction from 1 eV to 3 MeV at CSNS / Huaiyong Bai (State Key Laboratory of Nuclear Physics and Technology, School of Physics, Peking Uni., Beijing, China)**
- 10:20 Break**
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Topic Track: Nuclear Reaction Measurements**Session Title: Nuclear reaction measurements 6**

Chair: Chengjian Lin

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- 10:40 I235 An Overview of Experimental Nuclear Science at Los Alamos / Morgan White (LANL, USA) / Speaker: Matt Devlin**
- 11:10 R236 What Can We Learn from (n,xn γ) Cross Sections About Reaction Mechanism and Nuclear Structure ? / Maelle Kerveno (CNRS/IPHC, France)**
- 11:30 R237 Measurement of (n, γ) Cross-section on ^{186}W Isotopes at Different Neutron Energies / Mayur Mehta (Ins. for PLASMA RESEARCH, India)**
- 11:50 R238 **Canceled** Capture Cross-sections Measurements of Ti-50, V-51 / Son Pham (Nuclear Research Institute, Vietnam)**
- 12:10 R239 Measurement of the ^{244}Cm and ^{246}Cm Neutron-induced Capture Cross Sections at the n_TOF Facility / Victor Alcayne (CIEMAT(Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas), Spain)**

Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 7

Chair: Guohui Zhang

14:00	I240	Neutron Transmission Measurements at nELBE / Arnd Rudolf Junghans (Helmholtz-Zentrum Dresden-Rossendorf, Germany)
14:30	R241	New Experimental Data for $^{12}\text{C}(n,\alpha)^9\text{Be}$ Reaction. / Tatiana Khromyleva (IPPE, Russia)
14:50	R242	Photoneutron Reaction Cross Sections for ^{75}As and ^{181}Ta: Systematic Uncertainties and Data Reliability / Vladimir Varlamov
15:10	R243	Photonuclear reaction study in CIAE / Chuangye He (China Inst. of Atomic Energy, Beijing, China)
15:30	R244	MCNP Modeling for Neutron-induced Charged Particle Cross-section Measurements at LANSCE / Lukas Zavorcka (LANL, USA)
15:50		Break

Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 8

Chair: Arnd Rudolf Junghans

16:10	I245	Measurements of Neutron-induced Charged-particle Emission Reactions / Guohui Zhang (School of Physics, Peking Uni., Beijing, China)
16:40	R246	Measurement of the Energy-differential Cross Section of the $^{12}\text{C}(n,p)$ and $^{12}\text{C}(n,d)$ Reactions at the n-TOF Facility at CERN / Massimo Barbagallo (CERN, Switzerland)
17:00	R247	Monte Carlo Simulations and n-p Differential Scattering Data Measured with Recoil Proton Telescopes / Nicholas Terranova (INFN, CNAF, Bologna, Italy)
17:20	R248	Measurement of Production Cross Sections of ^{22}Na and ^{24}Na in Proton Induced Reactions on Aluminum / Sung-chul Yang (Korea Atomic Energy Research Institute)
17:40	R249	Cross-section Measurement in the Reactions of ^{136}Xe on Proton, Deuteron and Carbon / Xiaohui Sun (RIKEN Nishina Center, Japan)
18:00	S250	Continuous Spectra of Light Charged Particles from Interaction of 30 MeV Energy Protons with Cooper / Timur Zholdybayev (Ins. of nuclear physics, Kazakhstan) / Speaker: Naohiko Otsuka
18:05	S251	Simulations of the Measurements of Differential Cross Sections of the n-p and n-d Elastic Scattering Reactions at CSNS Back-n White Neutron Source / Zengqi Cui (School of Physics, Peking Uni., China)

Topic Track: Fission Physics and Observables

Session Title: Fission theory and experimental 5

Chair: Jack Silano

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- 08:30 I110 Parameter Optimization for Spontaneously Fissioning Isotopes in FREYA /**
Ramona Vogt (Nuclear and Chemical Sciences Division, Lawrence Livermore National Laboratory, Livermore, CA , USA)
- 09:00 R253 Microscopic Studies of Fission Observables of Compound Nuclei /** Junchen Pei (School of Physics, Peking Uni., China)
- 09:20 R254 Monte-carlo Evaluation on Fission Process for Neutron-induced Actinide Nuclei Fission /** Zheng Wei (Lanzhou Uni., China)
- 09:40 R255 Advances in Modeling and Simulation of Fast Neutron Induced Fission of ^{232}Th /** Cristiana Oprea (JINR, Russia)
- 10:00 R256 The Scission Microscopic Structure of Fission in Actinide Nuclei /** Xin Guan (Liaoning normal university, China)
- 10:20 Break**

Topic Track: Fission Physics and Observables

Session Title: Fission theory and experimental 6

Chair: Ramona Vogt

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- 10:40 I257 Validating the Bohr Hypothesis: Comparing Fission-product Yields from Photon-induced Fission of ^{240}Pu and Neutron-induced Fission of ^{239}Pu /**
Jack Silano (Lawrence Livermore National Laboratory, USA)
- 11:10 I258 Fission Studies Using Steff at n_TOF, CERN /** Nikolay Sosnin (The Uni. of Manchester, United Kingdom)
- 11:40 R259 Improved Neutron Multiplicity Correlations with Fission Fragment Mass and Energy from $^{239}\text{Pu}(n,f)$ /** Alf Göök (European Commission - Joint Research Centre, Belgium)
- 12:00 R260 The Spatial Parity Non Conservation Effects in the Fission Induced by Thermal and Resonant Neutrons on ^{233}U /** Cristiana Oprea (JINR, Russia)
- 12:20 S261 Shape Description in Macro-microscopic Model /** Zhiming Wang (State Key Laboratory of Nuclear Physics and Technology, Peking Uni., Beijing 10 0871, China)
- 12:25 S262 Energy Dependence of Time Parameters of Delayed Neutrons for the Fission of U-233 by Neutrons in Energy Range from 14 to 18 MeV /** Dmitrii Gremiachkin (JSC "SSC RF-IPPE", Russia)

Topic Track: Fission Physics and Observables

Session Title: Prompt fission neutron spectrum

Chair: Zhuxia Li

14:00	I263	Prompt Fission Neutron Spectra for Neutron-induced Fission of ^{239}Pu and ^{235}U / M. Devlin (LANL, Los Alamos, NM , USA)
14:30	R264	Prompt Fission Neutron Spectra of $^{235}\text{U}(n,F)$ and $^{239}\text{Pu}(n,F)$ / Vladimir M. Maslov (Joint Ins. of Nuclear and Energy Research, 22 0109, Minsk-Sosny, Belarus)
14:50	R265	Observations of Poorly-known Features of the ^{239}Pu and ^{235}U Prompt Fission Neutron Spectra / Keegan J. Kelly (LANL, USA)
15:10	R266	Systematic Behaviours and Correlations Between Different Quantities Characterizing the Residual Nuclei Following the Sequential Emission of Prompt Neutrons / Anabella Tudora (Uni. of Bucharest, Faculty of Physics, Romania)
15:30	R267	Angular Distributions and Anisotropy of Fission Fragments from Neutron-induced Fission of ^{239}Pu, ^{237}Np, and $^{\text{nat}}\text{Pb}$ in Intermediate Energy Range 1- 200 Mev / Alexey Gagarskiy (B.P. Konstantinov Petersburg Nuclear Physics Ins. of National Research Center "Kurchatov Institute", Gatchina, Leningrad region, Russia)
15:50		Break

Topic Track: Fission Physics and Observables

Session Title: Fission cross section

Chair: M. Devlin

16:10	I268	First Results of the $^{230}\text{Th}(n,f)$ Cross Section Measurements at the CERN n_TOF Facility / Veatriki Michalopoulou (European Organization for Nuclear Research (CERN), Switzerland)
16:40	R269	First Results of the $^{241}\text{Am}(n,f)$ Cross-section Measurement at the Experimental Area 2 of the n_TOF Facility at CERN / Zinovia Eleme (Department of Physics, Uni. of Ioannina, Greece)
17:00	R270	Study of the Neutron Induced Fission Cross-section of ^{237}Np at CERN's n_TOF Facility Over A Wide Energy Range / Athanasios Stamatopoulos (National Technical Uni. of Athens, Greece)
17:20	R271	Measurement of the $^{234}\text{U}(n,f)$ Cross Section in the Energy Range Between 14.8 and 19.2 MeV Using Micromegas Detectors / Sotiris Chasapoglou (National Technical Uni. of Athens, Greece) / Speaker: Antigoni Kalamara
17:40	S272	Experiments on Nubar(A) in $^{235}\text{U}(n_{\text{th}},f)$ Using the Double-E Method / Ali Al-adili (Department of Physics and Astronomy, Uppsala Uni., Sweden)
17:45	S273	Experimental Estimation of the "scission" Neutron Yield in the Thermal Neutron Induced Fission of ^{233}U and ^{235}U / Aleksandr Vorobev (Petersburg Nuclear Physics Ins. named B.P. Konstantinov of National Research Centre "Kurchatov Institute", Russia)

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 5
 Chair: Frank Gunsing

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- 08:30 I274 Measuring Independent Fission Product Yields and Other Neutron Induced Reactions with the FissionTPC /** Nicholas Walsh (Lawrence Livermore National Laboratory, USA)
- 09:00 R275 Utilizing Nuclear Data in Delayed Gamma-ray Spectroscopy Inverse Monte Carlo Analysis /** Douglas Chase Rodriguez (Japan Atomic Energy Agency)
- 09:20 R276 Neutron Spectrum Determination of P+be Reaction for 30 MeV Protons Using the Multi-foil Activation Technique /** Milan Stefanik (Nuclear Physics Ins. of the Czech Academy of Science, p.r.i, Rez 130, Rez 250 68, Czech Republic)
- 09:40 R277 Charged Particle Activation Measurements in NPI CAS and in Future GANIL/SPIRAL2-NFS /** Jaromir Mrazek (NPI CAS, Rez, Czech Republic)
- 10:00 R278 Source Preparation Techniques in Nuclear Decay Data Measurements of Alpha Emitting Radionuclides by Using DSA /** Abdullah Dirican (Turkish Atomic Energy Authority- Department of Radiaton and Accelerator Technologies, Turkey)
- 10:20 Break**

Topic Track: Experimental Facilities, Equipment Techniques and Methods
Session Title: Experimental facilities, equipment techniques and methods 6
 Chair: Nicholas Walsh

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- 10:40 R279 Micromegas-based Detectors for Time-of-flight Measurements of Neutron-induced Reactions /** Frank Gunsing (CEA Saclay, France)
- 11:00 R280 Targetry of Rare Isotopes at PSI /** Emilio Andrea Maugeri (Paul Scherrer Institut, Switzerland)
- 11:20 R281 Neutron-gamma Classification with Support Vector Machine Based on Tensor Decomposition /** Hanane Arahmane (ESMAR Laboratory Faculty of Sciences Mohammed V Uni., Morocco)
- 11:40 R282 Development and Characterization of PPACs for Fission Studies /** Diego Tarrio (Department of Physics and Astronomy, Uppsala Uni. (Sweden))
- 12:00 R283 The Light Charged Particle Detector Array at the "back-n" White Neutron Source /** Rui Fan (Ins. of High Energy Physics, CAS, China)
- 12:20 S284 Evaluation of Gamma-ray Strength Function Based on Measured Gamma-ray Pulse-height Spectra in Time-of-flight Neutron Capture Experiments /** Nobuyuki Iwamoto (Japan Atomic Energy Agency)
- 12:25 S285 A New 3 MV Tandem Accelerator Facilities for Materials Research and Nuclear Reaction Cross Section Measurements /** Md. Shuza Uddin (Ins. of Nuclear Science and Technology Atomic Energy Research Establishment Savar Dhaka Bangladesh)

Topic Track: Experimental Facilities, Equipment Techniques and Methods

Session Title: Experimental facilities, equipment techniques and methods 7

Chair: Nathaniel Bowden

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- 14:00 R286 Application of Similarity Analysis Method in Zero-power Experimental Validation** / Tong Ning (China Inst. of Atomic Energy)
- 14:20 R287 A New Neutron Induced γ -ray Generator for Geant4** / Emilio Mendoza Cembranos (CIEMAT, Madrid, Spain) / Speaker: Daniel Cano-Ott
- 14:40 R288 The ^6LiF -silicon Detector Array Developed for Real-time Neutron Monitoring at Back-streaming White Neutron Beam at CSNS** / Qiang Li (Ins. of High Energy Physics, China)
- 15:00 R289 New Detection Systems at U-120M Cyclotron** / Jan Novak (Nuclear Physics Ins. ASCR, Czech Republic)
- 15:20 R290 Collimator Design of A Recoil Proton Telescope** / Feipeng Wang (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, China)
- 15:40 S291 The Silicon-detector Array at Back-n White Neutron Facility** / Wei Jiang (Ins. of High Energy Physics, China)
- 15:45 S292 Back-streaming White Neutron Beam for Neutron Imaging at CSNS** / Keqing Gao (Neutron Science Center, DongGuan, China)
- 15:50 Break**

Topic Track: Spallation, High and Intermediate Energy Reactions

Session Title: Spallation, high and intermediate energy reactions 1

Chair: Hiroki Iwamoto

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- 16:10 I293 Recent Progress in Nuclear Data Measurement for ADS at IMP** / Zhiqiang Chen (Ins. of Modern Physics, Chinese Academy of Sciences, China)
- 16:40 R294 Measurement of Displacement Cross Section in J-PARC for Proton in the Energy Range from 0.4 GeV to 3 GeV** / Shin-ichiro Meigo (J-PARC/Japan Atomic Energy Agency)
- 17:00 R295 Nuclear Charge-changing Cross Section and Interaction Cross Section Measurements on C/H Target at Intermediate and High Energies** / Baohua Sun (Beihang Uni., China)
- 17:20 R296 Spallation Reaction Study for Long-lived Fission Products in Nuclear Waste** / He Wang (RIKEN Nishina Center, Japan)
- 17:40 R297 Measurement of Nuclide Production Cross Section for Lead and Bismuth with Proton in Energy Range from 0.4 GeV to 3.0 GeV** / Hiroki Matsuda (J-PARC/JAEA, Japan)

Topic Track: Nuclear Data Application

Session Title: Application in Nuclear Reactor 5

Chair: Jaehong Lee

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- 08:30 I298 **Study of Th-U Fuel Cycle and Nuclear Data for TMSR** / Jingen Chen (Shanghai Ins. of Applied Physics (SINAP), CAS, China) /Speaker:Chunyan Zou
- 09:00 R299 **Impacts of Nuclear Data Uncertainties on the Generic Safety of the Soluble-boron-free SMR ATOM Core** / Xuan Ha Nguyen (Korea Advanced Ins. of Science and Technology (KAIST))
- 09:20 R300 **Analysis of the Perturbation Experiments for Some Sensitive Isotopes Application on the Designs of the Space Nuclear Reactor** / Sanbing Wang (Ins. of Nuclear Physics and Chemistry, China Academy of Engineering Physics)
- 09:40 R301 **Impact Analysis of Model and Data Library for Iter Nuclear Calculation Based on SuperMC** / Pengcheng Long (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, China)
- 10:00 S302 **Canceled** analysis of background cross section for the calculation Xiang Xiao (School of Nuclear science and Engineering, North China Electric Power Uni., Beijing , China)
- 10:05 S303 **Source-term and Radiological Safety Analysis of TRIGA Research Reactor of Bangladesh** / Mohammad Mizanur Rahman (Bangladesh Atomic Energy Commission)
- 10:10 S304 **Canceled** igation and Sensitivity Studies on Thorium-fueled Re- (Institut Pluridisciplinaire Hubert Curien - Université de Strasbourg, France) / Speaker: Maelle Kerveno
- 10:15 S305 **Research and Development of China Nuclear Safety Cloud Computing Platform NCloud** / Pengcheng Long (Ins. of Nuclear Energy Safety Technology, Chinese Academy of Sciences, China)
- 10:20 **Break**

Topic Track: Nuclear Data Application

Session Title: Nuclear data for astrophysics and cosmology 1

Chair: Anton Wallner

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- 10:40 I375 **Uncertainty Quantification in Nuclear Astrophysics Data*** / Michael Smith (Oak Ridge National Laboratory, USA)/
- 11:10 R307 **The Cosmic Ray Detector (MCORD) for the New Collider NICA** / Marcin Bielewicz (National Center for Nuclear Research, Otwock-Swierk, Poland)
- 11:30 R308 **New Reaction Rates for the Destruction of ${}^7\text{Be}$ During Big Bang Nucleosynthesis Measured at CERN/n_TOF and Their Implications on the Cosmological Lithium Problem** / Alberto Mengoni (ENEA, Bologna, Italy)
- 11:50 R309 **Determine the Neutron Capture Cross Section of Radionuclide with Surrogate Ratio Method** / Shengquan Yan (China Inst. of Atomic Energy)
- 12:10 R310 **The ${}^{154}\text{Gd}$ Neutron Capture Cross Section Measured at the n_TOF Facility and Its Astrophysical Implications** / Mario Mastromarco (Istituto Nazionale di Fisica Nucleare (INFN), Italy)

Wed May 22

14:00-16:55

Room 305

Topic Track: Nuclear Data Application

Session Title: Nuclear data for astrophysics and cosmology 2

Chair: Michael Smith

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- 14:00 I311 Impact of Fission Fragment Distribution on R-Process Nucleosynthesis in Neutron Star Mergers and Supernovae / Toshitaka Kajino (Beihang Uni./NAOJ/Uni. of Tokyo, China)**
- 14:30 R312 Systematic Deviations of Neutron-capture Cross Sections Derived from Independent Accelerator Mass Spectrometry Measurements / Anton Wallner (The Australian National Uni.)**
- 14:50 R313 Impact of Nuclear Data on Stellar Nucleosynthesis and Cosmology / Boris Pritychenko (Brookhaven National Laboratory, USA)**
- 15:10 R314 Uncertainty Study in Analyzing the Reactor Neutrino Anomaly Based on the Nuclear Structure Physics / Xiaobao Wang (Huzhou Uni., China)**
- 15:30 R315 Study of Astrophysical Nuclear Reactions in a Laser-driven Plasma Environment / Xiaofeng Xi (Department of Nuclear Physics, China Inst. of Atomic Energy, Beijing , China)**
- 15:50 Break**

Topic Track: Nuclear Data Application

Session Title: Nuclear data for astrophysics and cosmology 3

Chair: Toshitaka Kajino

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- 16:10 R316 Gamma-ray Strength Functions for Astrophysical Applications in the IAEA-CRP / Hiroaki Utsunomiya (Konan Uni., Japan)**
- 16:30 R317 The Unknown Site of Actinide Nucleosynthesis - Clues from Extraterrestrial Pu-244 in Deep-sea Archives / Anton Wallner (The Australian National Uni.)**
- 16:50 S318 Direct Capture Cross Sections on Exotic Tin Isotopes* / Shisheng Zhang (Beihang Uni., China) / Speaker: Michael Smith**

17:00-18:30 WPEC-Subgroup 45 VaNDaL

Thu May 23

8:30-12:30

Room 202

Topic Track: Nuclear Structure and Decay Data

Session Title: Nuclear masses and decay data measurements

Chair: Young-sik Cho

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- 08:30 I319 Atomic Mass Evaluation** / Meng Wang (IMP, CAS, China)
- 09:00 R320 Structure of Beta Decay Strength Function, Spin-isospin SU(4) Symmetry, and SU(4) Region** / Igor Izosimov (Joint Ins. for Nuclear Research (JINR), Russia)
- 09:20 R321 Alpha-decay Studies on the New Neutron-deficient Np Isotopes** / Zhiyuan Zhang (Ins. of Modern Physics, Chinese Academy of Sciences, China)
- 09:40 R322 First Results from Novel Measurement Methods of Nuclear Properties with the FRS Ion Catcher** / Israel Mardor (Soreq Nuclear Research Center, Israel) / Speaker: Samuel Ayet San Andres
- 10:00 R323 Spectroscopy of ^{16}B from the Quasi-free (p,pn) Reaction** / Zaihong Yang (Osaka Uni., Japan)
- 10:20 Break**

Topic Track: Nuclear Structure and Decay Data

Session Title: Beta-delayed neutron

Chair: Meng Wang

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- 10:40 I324 The Latest Results of Beta-delayed Neutron and Beta-delayed Gamma Measurements with MTAS** / Bertis Rasco (ORNL, USA)
- 11:10 R325 Strong One-neutron Emission from Two-neutron Unbound States in Beta Decays of Neutron-rich Ga Isotopes** / Rin Yokoyama (Uni. of Tennessee, USA)
- 11:30 R326 Beta-neutron-gamma Spectroscopy of Beta-delayed Neutron Emitters Around Doubly-magic ^{78}Ni** / Krzysztof Rykaczewski (ORNL, USA)
- 11:50 R327 A New Measurement System for Study of Nuclide Decay Schemes** / Xuesong Li (Northwest Ins. of nuclear technology, China)
- 12:10 R328 New Results from the Modular Total Absorption Spectrometer** / Marek Karny (Uni. of Warsaw, Poland)

Topic Track: Nuclear Structure and Decay Data

Session Title: Beta-decay

Chair: Krzysztof Rykaczewski

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- 14:00 I329 **Canceled** neutrino spectra and decay heat calculations with Total
y Spectroscopy / Alejandro Algora (The Valecia-Nantes
TAGS collaboration) / Speaker: Jose Luis Tain
- 14:30 R330 **How Accurate Are the Half-lives of Long-lived Isotopes?** / Dorothea Schumann
(Paul Scherrer Institute, Switzerland)
- 14:50 R331 **Nuclear Mass Table in Deformed Relativistic Continuum Hartree-Bogoliubov
Theory** / Eunjin In (Sungkyunkwan Uni., Korea)
- 15:10 R332 **Recent Nuclear Shell Model Study and Its Possible Role in Nuclear Data** /
Cenxi Yuan (Sun Yat-sen Uni., China)
- 15:30 R333 **Analysis of the Reactor Antineutrino Spectrum Anomaly with Fuel Burnup** /
Le Yang (North China Electric Power Uni.)
- 15:50 **Break**
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Topic Track: Nuclear Structure and Decay Data

Session Title: Decay data measurements and Nuclear structure theory models and codes

Chair: Mark Kellett

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- 16:10 I334 **Decay Heat and Anti-neutrino Energy Spectra in Fission Products** / Krzysztof
Rykaczewski (ORNL, USA)
- 16:40 R335 **Precise α_K and α_T Internal Conversion Coefficient Measurement As Test
of Internal Conversion Theory: the Case of 39.752(6)-keV E3 Transition in
 ^{103m}Rh** / N. Nica (Cyclotron Institute, Texas A&M Uni., College Station, Texas
, USA)
- 17:00 R336 **Experimental Study of β Spectra Using Si Detector** / Abhilasha Singh
(CEA, LIST, Laboratoire National Henri Becquerel (LNE-LNHB), CEA-Saclay
Gif/Yvette cedex, France)
- 17:20 R337 **Towards the First Experimental Determination of the ^{93}Mo Half-life** / Ivan
Kajan (Paul Scherrer Institute, Switzerland)
- 17:40 R338 **Study of Finite Nuclei Within A Dirac-Brueckner-Hartree-Fock** / Xiao-dong
Sun (China Nuclear Data Center, China Inst. of Atomic Energy)
- 18:00 S339 **Measurements of Gamma-ray Intensities from the Decay of ^{187}W in the
Reaction $^{186}\text{W}(n,\gamma)^{187}\text{W}$** / Cheolmin Ham (Department of Energy Science,
Sungkyunkwan Uni., Suwon , Korea)

Topic Track: Evaluation

Session Title: Thermal scattering data 1

Chair: Jose Ignacio Marquez Damian

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- 08:30 I340 **Thermal Scattering for Neutron Moderator Materials: Integrating Neutron Scattering Experiments with Density Functional Theory Simulations** / Li Liu (Rensselaer Polytechnic Institute, USA)
- 09:00 R341 **Temperature Dependent Measurement of Thermal Neutron Differential Scattering in Heavy Water** / Gang Li (Canadian Nuclear Laboratories, Canada)
- 09:20 R342 **Canceled** **Measurement of the Thermal Neutron Scattering Cross Sections of Nitride** / Iyad Al-qasir (Department of Mechanical and Nuclear Engineering, Uni. of Sharjah, Sharjah , UAE, United Arab Emirates)
- 09:40 R343 **Generation and Validation of Thermal Neutron Scattering Cross-section for Heavy Water Using Molecular Dynamics Simulations** / Haelee Hyun (Korea Atomic Energy Research Institute)
- 10:00 R344 **High-resolution Time-of-flight Measurements for Light Water at the Spallation Neutron Source (SNS), Oak Ridge National Laboratory** / Luiz Leal (Institut de Radioprotection et de Surete /Speaker: Clement Jeannesson
- 10:20 **Break**

Topic Track: Evaluation

Session Title: Thermal scattering data 2

Chair: Li Liu

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- 10:40 I345 **Experimental Validation of the Temperature Behavior of the ENDF/B-VIII.0 Thermal Scattering Kernel for Light Water** / Jose Ignacio Marquez Damian (Centro Atomico Bariloche - Comision Nacional de Energia Atomica, Argentina)
- 11:10 R346 **Thermal Neutron Scattering Data for Liquid Molten Salt LiF-BeF₂** / Jia Wang (Ins. of Applied Physics and Computational Mathematics, China)
- 11:30 R347 **Analysis of the Time-of-flight Scattering Cross Section Data for Light Water Measured at the SEQUOIA Spectrometer, Spallation Neutron Source (SNS)** / Vaibhav Jaiswal (Uni. of Lille, France) /Speaker: Clement Jeannesson
- 11:50 R348 **Measurement of the Double-differential Neutron Cross Section of U in UO₂ From Room Temperature to Hot Full Power Conditions** / Gilles Noguere (CEA, DEN Cadarache, F-Saint Paul Les Durance, France)
- 12:10 S349 **Effect of FLiBe Thermal Neutron Scattering on Reactivity of Molten Salt Reactor** / Yafen Liu (Shanghai Ins. of Applied Physics, China)
- 12:15 S350 **Processing and Application of Nuclear Data for Low Temperature Criticality Assessment** / Tim Ware (Wood, United Kingdom)

Thu May 23

14:00-18:15

Room 203

Topic Track: Evaluation

Session Title: Thermal scattering data 3

Chair: Jia Wang

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- 14:00 R351 Validated Scattering Kernels for Triphenylmethane at Cryogenic Temperatures** / Florencia Cantargi (Neutron Physics Department- Centro Atómico Bariloche- Comisión Nacional de Energía Atómica- Argentina)
- 14:20 R359 Production of Radionuclides with Secondary Neutrons Induced by A 66 MeV Primary Proton Beam** / Mogakolodi Adolf Motetshwane (Botswana International Uni. of Science and Technology (BIUST), South Africa Emirates)
- 14:40 S353 Development and verification of the thermal scattering law processing module in nuclear data processing code NECP-Atlas** / Yongqiang Tang (School of Nuclear Science and Technology, Xian Jiaotong Uni., Xian, Shaanxi, China)
- 15:50 Break**
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Topic Track: Nuclear Data Application

Session Title: Nuclear data for medical applications

Chair: Ulrich Fischer

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- 16:10 I354 Update of the IAEA Reference Cross Sections for Charged-particle Monitor Reactions** / Roberto Capote Noy (IAEA)
- 16:40 I355 Radioisotope Production at the IFMIF-DONES Facility** / Rafael Rivera (Uni. of Granada (Spain)) / Speaker: Javier Praena
- 17:10 R356 Investigation of Novel Routes for Production of the Medical Radionuclides ^{61}Cu , ^{64}Cu and ^{67}Cu** / Md. Shuza Uddin (Ins. of Nuclear Science and Technology, Atomic Energy Research Establishment, Savar, Dhaka, Bangladesh)
- 17:30 R357 A New Evaluation of the Nuclear Decay Data of ^{223}Ra** / Aurelian Luca (Horia Hulubei National Ins. for Research and Development in Physics and Nuclear Engineering (IFIN-HH), Romania)
- 17:50 R358 A Feasibility Study on the $^{99\text{m}}\text{Tc}$ Production with Laser-compton Scattering Gamma-rays** / Kwangho Ju (Korea Advanced Ins. of Science and Technology)
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Topic Track: Nuclear Data Application

Session Title: Nuclear data in accelerator related applications 1

Chair: Young-Ouk Lee

08:30	I360	The High-energy Intra-nuclear Cascade Liège-based Residual (HEIR) Nuclear Data Library / Michael Fleming (OECD Nuclear Energy Agency, France)
09:00	R361	Study of the Li(d,xn) Reaction for the Development of Accelerator-based Neutron Sources / Yukinobu Watanabe (Kyushu Uni., Japan)
09:20	R362	Canceled Simulated Neutron Beam Using High Intensity Laser Pulses / Applied Physics and Computational Mathematics, China)
09:40	R363	Neutron Production in the Li-7(p,n) Reaction in the Energy Range 17-34 Mev / Mitja Majerle (Nuclear Physics Ins. CAS, Czech Republic)
10:00	R364	Isotope-production Cross Sections of Residual Nuclei in Proton- and Deuteron-induced Reactions on ⁹³Zr at 50 MeV/u / Keita Nakano (Kyushu Uni., Japan)
10:20		Break

Topic Track: Nuclear Data Application

Session Title: Nuclear data in accelerator related applications 2

Chair: Michael Fleming

10:40	I365	Production Method of Environmental Tracer Cs-132 by Accelerator-based Neutron / Tadahiro Kin (Department of Advanced Energy Engineering Science, Kyushu Uni., Japan)
11:10	R366	Excitation Functions of ³He- Induced Nuclear Reactions on Natural Copper up to 55 Mev / Mayeen Khandaker (Sunway Uni., Malaysia)
11:30	R367	Uncertainty Quantification of Radiation Source Terms for Thorium- and Uranium-based Medical Isotope Production Targets Irradiated by 100 MeV Protons / Alexey Stankovskiy (SCK-CEN, a Belgian Nuclear Research Centre, Belgium)
11:50	R368	Calculation of Athermal Recombination Corrected Dpa Cross Sections of Materials for Proton, Deuteron and Heavy-ion Irradiations Using the PHITS Code / Yosuke Iwamoto (Japan Atomic Energy Agency)
12:10	R369	Study of ¹⁸O(p,α)¹⁵N Reaction at Low Energies / Hossein Rafikheiri (Nuclear Science and Technology Research Ins. (NSTRI), Iran)
12:30	S370	Evaluation of Photonuclear Reaction Data for Medical Applications / Young-sik Cho (Korea Atomic Energy Research Institute)

Topic Track: Nuclear Data Application

Session Title: Nuclear data in accelerator related applications 3

Chair: Toni Koegler

14:00	I371	Impact of the ENDF/B-VIII.0 Library on Modeling Nuclear Tools for Oil Exploration / Marie-laure Mauborgne (Schlumberger, USA)
14:30	R372	Total Neutron Cross-section Extracted from Transmission Experiments with Liquid Oxygen Using Neutron Energies from 18 to 34 MeV / Martin Ansorge (Nuclear Physics Institute, CAS, Czech Republic)
14:50	R373	Neutron Production Double-differential Cross Sections on Carbon Bombarded by 800 MeV/u ²⁸Si / Cheolmin Ham (Department of Energy Science, Sungkyunkwan Uni., Suwon, Korea)
15:10	R374	The Activation of ^{nat}Zr by Quasi-monoenergetic Neutrons Below 34 MeV. / Eva šimečková (Nuclear Physics Ins. of CAS, Czech Republic)
15:30	R375	Cross Section Determination for TAD Materials in Quasi Mono-energetic Neutron Spectrum from P(li) Reaction / Dusan Kral (Brno Uni. of Technology, Czech Republic)
15:50		Break

Topic Track: Nuclear Data Application

Session Title: Particle therapy and radiotherapy

Chair: Marie-laure Mauborgne

16:10	I376	Single Plane Compton Imaging for Radionuclide and Prompt Gamma-ray Imaging / Toni Koegler (Helmholtz-Zentrum Dresden - Rossendorf, Ins. of Radiooncology - OncoRay, Dresden, Germany)
16:40	R377	Improvements of the Nuclear Reaction Modelling and First Radiobiological Studies in the FLUKA Monte Carlo Code for Hadron Therapy / Giulia Arico (European Organization for Nuclear Research (CERN), Switzerland)
17:00	R378	Production Yields of β^+ Emitters for Range Verification in Proton Therapy / Carlos Guerrero (Universidad de Sevilla, Spain) / Speaker: Jorge Lerendegui Marco
17:20	R379	Study of Dose Rate in the Brain Model Based on the Neutron Beam of SUT-MNSR / Kaijian Li (Suranaree Uni. of Technology, Nakhon Ratchasima, Thailand, China)
17:40	S380	Multiphysics Modelling of Dose Delivery in Targeted Alpha Therapy / Gang Li (Canadian Nuclear Laboratories, Canada)
17:45	S381	Proton-induced Prompt Gamma-ray Yield of Carbon for Range Verification in Hadron Therapy / Toni Koegler (OncoRay - National Center for Radiation Research in Oncology, Faculty of Medicine and Uni. Hospital Carl Gustav Carus, Technische Universität Dresden, Helmholtz-Zentrum Dresden - Rossendorf, Dresden, Germany)

Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 9

Chair: Massimo Salvatore

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- 08:30 I382 Experiments with Neutron Induced Neutron Emission from U-235 Pu-239 and Graphite / Yaron Danon (Gaerttner LINAC Center, Rensselaer Polytechnic Institute, Troy, NY , USA)**
- 09:00 R383 New ^{209}Bi Photodisintegration Data and Physical Criteria of Data Reliability / Vladimir Varlamov (Faculty of Physics, Lomonosov Moscow State Uni., Moscow, Russia)**
- 09:20 R384 Isomer Ratios for Products of Photonuclear Reactions on Rh / Ihor Kadenko (Taras Shevchenko National Uni. of Kyiv Ukraine) / Speaker: Ihor Kadenko**
- 09:40 R385 Evaporation Residue Cross Section Measurements for the $^{35,37}\text{Cl} + ^{181}\text{Ta}$ Reactions / Laveen Puthiya Veetil (Department of Physics, School of Physical Sciences, Central Uni. of Kerala, Kasaragod , India)**
- 10:00 S386 Neutron TOF Experiments for Transmission and Capture of Neutrons on ^{103}Rh in the Resonance Region / Vivek Raghunath Chavan (Sungkyunkwan Uni., Suwon-, Republic of Korea)**
- 10:05 S387 Double-differential Cross Section Measurement with Low Threshold Detector for Proton Production Induced by Several Tens of MeV Protons / Yuji Yamaguchi (Kyushu Uni., Japan)**
- 10:10 S388 Measurement of Gamma Ray from Inelastic Neutron Scattering for ^{56}Fe / Zhaohui Wang (China Inst. of Atomic Energy, Beijing , China)**
- 10:20 Break**
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Topic Track: Nuclear Reaction Measurements

Session Title: Nuclear reaction measurements 10

Chair: Yaron Danon

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- 10:40 I389 Measurements of (n,2n) Spectrum-averaged Cross Sections in the Thermal-neutron Induced Fission of U-235: Fixing the High Energy Tail of the PFNS / Roberto Capote (IAEA)**
- 11:10 R390 Neutron Production from Thick LiF, C, Si, Ni, Mo, and Ta Targets Bombarded by 13.4-MeV Deuterons / Hayato Takeshita (Department of Advanced Energy Engineering Science, Kyushu Uni., Japan)**
- 11:30 R391 Isomeric Cross Section Study of Neutron Induced Reactions on Ge Isotopes / Roza Vlastou-zanni (National Technical Uni. of Athens, Greece)**
- 11:50 R392 Recent Results and Error Propagation of the Neutron Induced Reaction Cross Section for the Nuclear Data Applications / Surjit Mukherjee (The M. S. Uni. of Baroda, Vadodara, India)**
- 12:10 S393 Simulation of Nondestructive Measurement of ^{88}Kr Fission Yield Based on Gamma Ray / Chenqing Wang (Northwest Ins. of Nuclear Technology, China)**
- 12:15 S394 The cross-section measurement of the $^6\text{Li}(n,t)$ reaction based on the silicon carbide detector at Back-n white neutron source / Kang Sun (Ins. of High Energy Physics, CAS, Beijing , China,)**
- 12:20 S395 Measurement of the $^{16}\text{O}(n,\alpha)^{13}\text{C}$ Reaction Cross-section Using A Double Frisch Grid Ionisation Chamber. / Sebastian Urllass (European Organization for Nuclear Research, Geneva, Switzerland)**

Topic Track: Nuclear Reaction Measurements
Session Title: Nuclear reaction measurements 11
 Chair: Andreas Solders

14:00	I396	Recent Progress of Neutron Reaction Data Measurement at CIAE / Xichao Ruan (China Inst. of Atomic Energy)
14:30	R397	Towards Formation of IAEA Database for All Metallic Properties Useful in Radionuclides Production: Effect of Varied Titanium Densities on Excitation Functions. / Ahmed Rufai Usman (Umaru Musa Yar'adua Uni., Katsina, Nigeria)
14:50	R398	Light-nuclei Sub-barrier Nuclear Fusion and Screening Effect / Kaihong Fang (Lanzhou University, China)
15:10	R399	Cross Sections for A New Nuclear Reaction Channel on Au-197 with Dineutron Escape / Ihor Kadenko (Taras Shevchenko National Uni. of Kyiv, Ukraine)
15:30	R400	Development of Mc-based Error Estimation Technique of Unfolded Neutron Spectrum by Multiple-foil Activation Method / Katsumi Aoki (Department of Advanced Energy Engineering, Kyushu Uni., Japan)
15:50		Break

Topic Track: Nuclear Reaction Measurements
Session Title: Nuclear reaction measurements 12
 Chair: Xichao Ruan

16:10	I401	Measurement of the $^{236}\text{U}(n,f)$ Cross-section at Fast Neutron Energies with Micromegas Detectors / Andrea Tsinganis (CERN, Switzerland) / Speaker: Veatriki Michalopoulou-Petropoulou
16:40	R402	Measurement of the $^{235}\text{U}(n,f)$ Cross Section Relative to n-p Scattering up to 1 GeV / Alice Manna (Uni. and INFN of Bologna, Italy)
17:00	R403	Recent Status of Fission Cross-section Measurement at Back-n White Neutron Beam of CSNS / Yiwei Yang (Ins. of Nuclear Physics and Chemistry, CAEP, China)
17:20	R404	Cross Section Measurements for Proton Induced Reactions on Natural Lanthanum / K. V. Seeley (Uni. of Wisconsin, Madison, USA)
17:40	S405	Measurement of Fission Cross Sections on ^{232}Th and ^{238}U Induced by D-T Neutrons / Qiang Wang (Lanzhou Uni., China)
17:45	S406	The Equivalent Efficiency Calibration Method of Radioactive Gas Source / Gongshuo Yu (Northwest Ins. of Nuclear Technology (NINT), China)
17:50	S407	Covariance Analysis on the Thermal Neutron Capture Cross Sections Using An Am-be Neutron Source / Naohiko Otsuka (IAEA)
17:55	S408	Characterization of the Differential Neutron Energy Spectrum from Proton Bombardment of Inconel-clad Lithium Conversion Targets / Christopher Kutyreff (Uni. of Wisconsin-Madison, School of Medicine and Public Health, USA)
18:00	S409	Measurements of the $^{33}\text{S}(n,\alpha)^{30}\text{Si}$ Cross-section at n_TOF-CERN and ILL: Resonance Analysis and Implications. / Javier Praena (Uni. of Granada (Spain))

Topic Track: Data Dissemination and International Collaboration

Session Title: Data dissemination and international collaboration 1

Chair: Franco Michel-sendis

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- 08:30 I410 Progress in International Collaboration on EXFOR Library / Naohiko Otsuka (IAEA)**
 - 09:00 R411 Canceled Web Dissemination Efforts at the NNDC / Tim Johnson (National Lab, USA)**
 - 09:20 R412 MetroBeta: A European Project Providing Access to Accurate Beta Spectra / Mark Kellett (CEA, LIST, Laboratoire National Henri Becquerel (LNHB), CEA-Saclay, 91 191 Gif sur Yvette, France)**
 - 09:40 R413 The International Network of Nuclear Structure and Decay Data Evaluators / Paraskevi Dimitriou (IAEA)**
 - 10:00 R414 Overview of the OECD-NEA Working Party on International Nuclear Data Evaluation Cooperation (WPEC) / Michael Fleming (OECD Nuclear Energy Agency, France)**
 - 10:20 Break**

Topic Track: Data Dissemination and International Collaboration

Session Title: Data dissemination and international collaboration 2

Chair: Naohiko Otsuka

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- 10:40 I415 Perspectives on Nuclear Data Verification and Validation at the Data Bank Nuclear Data Service / Franco Michel-sendis (OECD Nuclear Energy Agency, France)**
 - 11:10 I416 Citizen Science in Radiation Research / Cecilia Gustavsson (Department of Physics and Astronomy, Uppsala Uni., Sweden) / Speaker: Mattias Lantz**
 - 11:40 R417 Conceptual Design, Modeling and Development of A Direction-finding Gamma Detector / Zaheen Nasir (Military Ins. of Science & Technology, Bangladesh)**
 - 12:00 R418 HPRL - International Cooperation to Identify and Monitor Priority Nuclear Data Needs for Nuclear Applications / Emmeric Dupont (CEA-Irfu, Université Paris-Saclay, Gif-sur-Yvette, France)**
 - 12:20 S419 Canceled Data Dissemination Enhancements and Activities / Tim Johnson (National Lab, USA)**
 - 12:25 S420 Concentration of ¹³⁷Cs in Indonesia Marine Waters / Mohamad Nur Yahya (National Nuclear Energy Agency of Indonesia)**
 - 12:30 S421 Development of New Software for Nuclear Data Compilation / Aiganym Sarsembayeva (Department of Physics and Technology, Al-Farabi Kazakh National Uni., Almaty , Kazakhstan)**
 - 12:35 S422 Gamma Spectroscopy Methodology for Measurements of Large Amounts of Environmental Samples in Sweden 30 Years after the Chernobyl Accident / Mattias Lantz (Department of Physics and Astronomy, Uppsala Uni., SE-Uppsala, Sweden)**

Topic Track: Nuclear Data Application
Session Title: Nuclear data in fusion application
 Chair: Javier Praena

14:00	I423	Nuclear Data Activities of the EUROfusion Consortium / Ulrich Fischer (Karlsruhe Ins. of Technology (KIT), Germany)
14:30	I424	Validation of Theory of Radiation Damage Against Experimental Data / Olga Ogorodnikova (National Research Nuclear Uni. "MEPHI", Russia)
15:00	R425	Comparison Between Measurement and Calculations for A 14 MeV Neutron Water Activation Experiment / Mario Pillon (ENEA, Italy)
15:20	R426	A Comparative Survey of Evaluated Nuclear Data Libraries for Usage in Fusion-relevant Activation Foils Spectrometry Experiments / Praseon Raj (Karlsruhe Ins. of Technology, Germany)
15:40	S427	Cross-section and Activation Data for Long-lived Radionuclides (A ~ 50-60) with Their Impact in Fusion Reactor Technology / Bhawna Pandey (Govind Ballabh Pant Uni. of Agriculture and Technology, Pantnagar , Uttarakhand, India)
15:50		Break

16:10-18:00 EG-GNDS Side-meeting

Topic Track: Spallation, High and Intermediate Energy Reactions

Session Title: Spallation, high and intermediate energy reactions 2

Chair: Zhiqiang Chen

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- 08:30 I428 A Comprehensive Study of Spallation Models for Proton-induced Spallation Product Yields Utilized in Transport Calculation / Hiroki Iwamoto (Japan Atomic Energy Agency)**
- 09:00 R429 Distribution of Neutron and Proton Field in Elongated Spallation Targets / Miroslav Zeman (Brno Uni. of Technology, Czech Republic)**
- 09:20 R430 Production Cross Sections of Long-lived Radionuclides in Proton Irradiated Pb, Ta and W Targets / Zeynep Talip (Paul Scherrer Institute, Switzerland)**
- 09:40 R431 Neutron Energy Spectra Measurements of the Back-n White Neutron Source at CSNS / Yonghao Chen (Ins. of High Energy Physics Chinese Academy of Science, China)**
- 10:00 R432 Neutron Imaging at the n_TOF Facility of CERN / Federica Mingrone (European Organization for Nuclear Research (CERN), Switzerland) / Speaker: Michael Bacak**
- 10:20 Break**

Topic Track: Nuclear Data Processing and Validation

Session Title: Integral experiments 1

Chair: Ivan Kodeli

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- 10:40 I433 Current Overview of ICSBEP and IRPhEP Benchmark Evaluation Practices / John Darrell Bess (Idaho National Laboratory, USA)**
- 11:10 R434 A Study on Integral Parameters of VVER Critical Experiments of LWRS Based on Evaluated Nuclear Data Library ENDF/B-VII.0 & JENDL-3.0 / Zaheen Nasir (Military Ins. of Science & Technology, Bangladesh)**
- 11:30 R435 Combining Correlations from Multiple Criticality Benchmarks for Nuclear Data Adjustments Within A Total Monte Carlo Framework / Erwin Alhasan (Laboratory for Reactor Physics and Thermal-Hydraulics, Paul Scherrer Institute, 5232 Villigen, Switzerland)**
- 11:50 R436 Validation of Heavy Water Cross Section Using Ambe Neutron Source / Michal Kostal (Research Center Rez, Czech Republic) Speaker:Bohumil Jansky**
- 12:10 R437 Nuclear Data Implications of Tex, Ten New Critical Experiments with Plutonium and Tantalum / Catherine Percher (Lawrence Livermore National Laboratory, USA)**

Topic Track: Nuclear Data Processing and Validation

Session Title: Integral experiments 2

Chair: John Darrell Bess

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- 14:00 I438 **National Criticality Experiments Research Center (NCERC) - Capabilities and Recent Measurements** / Nicholas Thompson (LANL, USA)
- 14:30 R439 **Fusion Neutronics Integral Experimental Study of Zr, W Evaluated Nuclear Data** / Suyalatu Zhang (Ins. of low-intermediate energy nuclear reactions, Inner Mongolia Uni. for Nationalities, China)
- 14:50 R440 **ZED-2 Reactor as a Physics Test Facility for Validating Evaluated Nuclear Data Libraries** / J.c. Chow (Canadian Nuclear Laboratories, Chalk River, Ontario, Canada, K0J 1J) / Speaker: Jimmy Chow
- 15:10 R441 **Contributions to Integral Nuclear Data in ICSBEP and IRPhEP Since ND2016** / John Darrell Bess (Idaho National Laboratory, USA)
- 15:30 R442 **Measurement of the Delayed-neutron Yield and Time Constants in the Cold Neutron Induced Fission of ^{235}U at III** / Olivier Serot (French Alternative Energies and Atomic Energy Commission (CEA), France)
- 15:50 **Break**

Topic Track: Nuclear Data Processing and Validation

Session Title: Integral experiments 3

Chair: Nicholas Thompson

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- 16:10 I443 **Use of Shielding Integral Benchmark Archive and Database for Nuclear Data Validation** / Ivan Kodeli (Jozef Stefan Institute, Ljubljana, Slovenia)
- 16:40 R444 **Bayesian Monte Carlo Assimilation for the PETALE Experimental Programme Using Inter-dosimeter Correlation** / Axel Laureau (Laboratory for Reactor Physics and Systems behaviour (LRS), Ecole Polytechnique Fdrale de Lausanne (EPFL), CH-1015 Lausanne, Switzerland)
- 17:00 R445 **The Benchmark Experiment on Slab Iron with D-t Neutrons for Validation of Evaluated Nuclear Data** / Yanyan Ding (China Inst. of Atomic Energy)
- 17:20 R446 **Neutron spectra measurement and calculation using data libraries CIELO and JEFF in Iron and Oxygen benchmark;Analyse of XS-Fe 56(n,el) corrections for En=0.05-0.7MeV** / Bohumil Jansky (Research Centre Rez, Czech republic)
- 17:40 R447 **Measurement of Leakage Neutron Spectra with D-t Neutrons and Validation of Evaluated Nuclear Data** / Rui Han (Ins. of Modern Physics, Chinese Academy of Sciences, China)
- 18:00 S448 **Research on Doppler Broadening Rejection Correction Based on 0K Nuclear Data** / Shenglong Qiang (Nuclear Power Ins. of China)

Fri May 24 **8:30-12:20** **Auditorium**

Topic Track: Plenary B
Session Title: Plenary B1
Chair: Arjan Plompen

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- 08:30 L449 ENDF/B-VIII.0 and Beyond** / David Brown (National Nuclear Data Center/Brookhaven National Laboratory, USA)
09:05 L450 Challenges in Actinides Evaluation: PFNS and the Next Pu Evaluation / Roberto Capote (IAEA)
09:40 L451 Nuclear reaction data in the next decade and the role of TALYS / Arjan Koning (IAEA)
10:15 Break

Topic Track: Plenary B
Session Title: Plenary B2
Chair: David Brown

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- 10:35 L452 The Leverage of Nuclei in the Cosmos** / Michael Smith (ORNL, USA)
11:10 L453 Results of the Collaborative International Evaluated Library Organisation (CIELO) Project / Mark Chadwick (LANL, USA) / Speaker: Michael Fleming
11:45 L454 CSNS Back-n White Neutron Facility and First Nuclear Data Measurements / Jingyu Tang For The Back-n Collaboration (Ins. of High Energy Physics - Dongguan Branch, CAS, Dongguan, Guangdong, China)

Closing Ceremony
Chair: Zhigang Ge

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- 12:20-12:40 Summary remarks , Acknowledgement and Conference closing**