

Nuclear Energy Agency

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NUCLEAR ENERGY AGENCY

MANAGEMENT BOARD FOR THE DEVELOPMENT, APPLICATION AND VALIDATION OF NUCLEAR DATA AND CODES

JEFF Nuclear Data Week, 24-28 April 2023

Agenda

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|  **Monday, 24** |
| **EFFDOC** | **Fusion** | **Welcome, Adoption of Agenda, Review of Minutes and Actions** | **15:00** | **00:15** |
| 1503 | Vlad | AVRIGEANU | Progress Report on neutron-induced alpha-emission analysis | 15:15 | 00:20 |
| 1504 | Marilena | AVRIGEANU | Progress report on deuteron-induced reaction analysis | 15:35 | 00:20 |
| **Coffee** | 15:55 | 00:30 |
| 1505 | Greg | BAILEY | Triple alpha production from C12: Fusion impact and evaluation needs. | 16:25 | 00:20 |
| 1506 | Henrik | SJOSTRAND | Progress on Fe56 evaluation. | 16:45 | 00:20 |
| 1507 | Axel | KLIX | TBD | 17:05 | 00:20 |
| The End | 17:25 |   |

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| **Tuesday, 25** |
| **EFFDOC** | **Fusion** | **Welcome and Intro from the Chair** | **09:00** | **00:05** |
| 1508 | Alexander | KONOBEEV | Covariance matrices for arc-dpa and NRT displacement cross-sections | 09:05 | 00:20 |
| 1509 | Philippe | GRIVEAUX | Generation of sensitivity coefficients for fusion relevant benchmarks | 09:25 | 00:20 |
| 1510 | Gasper | ZEROVNIK | Validation of V, Si and Ni JEFF-4T cross sections | 09:45 | 00:20 |
| 1511 | Davide | LAGHI | JADE nuclear data V&V tool  | 10:05 | 00:20 |
| 1512 | Klemen | AMBROZIC | Investigation of the sensitivities to geometric data for the FNG WCLL fusion shielding benchmark | 10:25 | 00:20 |
| **Coffee**  | 10:45 | 00:30 |
| 1513 | Ivan Alexander | KODELI | S/U pre-analysis of FNG Tungsten benchmark | 11:15 | 00:20 |
| 1514 | Maurizio | ANGELONE | W Shielding Experiment at FNG: Preliminary ENEA results | 11:35 | 00:20 |
| 1515 | Chantal | NOBS | UKAEA Contribution to the WPBB Tungsten Benchmark Experiment | 11:55 | 00:20 |
| 1517 | Martin | ANSORGE | Status of radiation-induced material damage - PALS measurements | 12:15 | 00:20 |
| **Lunch**  | 12:35 | 01:00 |
| **EUROFusion** | **13:35** | **01:30** |
| **Coffee**  | 15:05 | 00:30 |
| **JEFDOC** | **Plenary** | **Welcome and Intro from the Chair** | **15:35** | **00:05** |
| 2215 | Sigfrid | STJARNHOLM | Propagation of F-19 Uncertainties in Molten Salt Reactors | 15:40 | 00:20 |
| 2216 | Pierre | SOLE | Development of a new module for processing covariance matrices in GAIA | 16:00 | 00:20 |
| 2217 | Daniel | CANO-OTT | Simultaneous measurement of the Pu-239 (n,gamma) and (n,fission) reaction cross sections | 16:20 | 00:20 |
| 2218 | Jose Ignacio | MARQUEZ DAMIAN | Update on nuclear data activities at the European Spallation Source | 16:40 | 00:20 |
| 2219 | Stefan | KOPECKY | TBD | 17:00 | 00:20 |
| 2220 | Alberto | RODRIGO | Experimental database of isomeric ratios and theoretical models | 17:20 | 00:20 |
| 2221 | Michael | PETIT | Assessment of needs in the field of nucleon/light nucleus interaction: presentation for exchange of the work plan proposed by Eurados | 17:40 | 00:20 |
| The End | 18:00 |   |

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| **Wednesday, 26** |
| **JEFDOC** | **Processing**  | **Welcome and Intro from the Chair** | **09:00** | **00:05** |
| 2222 | Cedric | JOUANNE | JEFF4T2 : processing and benchmarking using TRIPOLI-4 | 09:05 | 00:20 |
| 2223 | Jean-Christophe | SUBLET | Angular distribution: LRF7 processing trails | 09:25 | 00:20 |
| 2224 | Miguel | GONZALEZ  | Feedbacks on Processing and Verification for JEFF-4T2.2 | 09:45 | 00:20 |
| 2225 | Vivian | SALINO | On a curious use of MT5 (n,anything) cross section since JEFF-3.2 | 10:05 | 00:20 |
| **Coffee**  | 10:25 | 00:30 |
| 2226 | Andrew | HOLCOMB | Progress on Automated, Reproducible, Verified, and Automated ND Processing at the NEA | 10:55 | 00:20 |
| 2227 | Daniela | FOLIGNO | Status of the NEA pipeline | 11:15 | 00:20 |
| 2228 | Daniela | FOLIGNO | Processing errors in JEFF-4T2.2 | 11:35 | 00:20 |
| **Lunch** | 11:55 | 01:30 |
| **JEFDOC** | **Benchmarking** | **Welcome and Intro from the Chair** | **13:25** | **00:05** |
| 2229 | Alex | VALENTINE | JADE nuclear data V&V tool | 13:30 | 00:20 |
| 2230 | Steven | VANDERMARCK | Benchmark results for JEFF-4t2 | 13:50 | 00:20 |
| 2231 | Roberto | CAPOTENOY | Validation of INDEN evaluations and impact on JEFF-4T development | 14:10 | 00:20 |
| 2232 | Alexey | STANKOVSKIY | Nuclear data S/U analysis for IAEA CRP "Neutronics benchmark of CEFR start-up tests" | 14:30 | 00:20 |
| 2233 | Raphaelle | ICHOU | TBD | 14:50 | 00:20 |
| 2234 | Raphaelle | ICHOU | TBD | 15:10 | 00:20 |
| **Coffee**  | 15:30 | 00:30 |
| 2235 | Antonio | JIMENEZ CARRASCOSA | Assessment of JEFF-4T2.2 performance for SFR simulation via data adjustment techniques | 16:00 | 00:20 |
| 2236 | Mathieu | HURSIN | Towards benchmarking nuclear data on reactor models | 16:20 | 00:20 |
| 2237 | Tim | WARE | JEFF-4T2 Benchmarking with the ANSWERS codes | 16:40 | 00:20 |
| 2238 | Nuria | GARCIAHERRANZ | On the use of SEFOR experiments for testing JEFF4T2 | 17:00 | 00:20 |
| 2239 | Maria | ASTIGARRAGA  | Benchmarking and Validation with JEFF-4T2.2 | 17:20 | 00:20 |
| The End | 17:40 |   |

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| **Thursday, 27** |
| **JEFDOC** | **Experiments** | **Welcome and Intro from the Chair** | **09:00** | **00:05** |
| 2240 | Xavier | LEDOUX | The Neutrons For Science Facility | 09:05 | 00:20 |
| 2241 | Tomas | CZAKOJ | Measurement of secondary gamma spectra using well moderated assembly. | 09:25 | 00:20 |
| 2242 | Alberto | MENGONI | Recently performed and planned experiments at CERN n\_TOF | 10:00 | 00:20 |
| 2243 | Martin | SCHULC | Transport benchmark experiments using 252Cf source - Case of Fe, Cu,Ni | 10:20 | 00:20 |
| **Coffee**  | 10:40 | 00:30 |
| **JEFDOC** | **NACRE** | **Welcome and Intro from the Chair** | **11:00** | **00:05** |
| 2244 | Maelle | KERVENO | NACRE project, cross section measurements and evaluation | 11:05 | 00:20 |
| 2245 | Olivier | SEROT | NACRE project, fission yields measurements and evaluation | 11:25 | 00:20 |
| 2246 | Muriel | FALLOT | NACRE project, decay data measurements and evaluation | 12:00 | 00:20 |
| **Lunch**  | 12:20 | 01:00 |
| **JEFDOC** | **Fission Observables** | **Welcome and Intro from the Chair** | **13:20** | **00:05** |
| 2247 | Gregoire | KESSEDJIAN | Update of 235U(nth,f) independent fission yield evaluation and news on 239Pu(nth,f) IFY | 13:25 | 00:20 |
| 2248 | Diane | DORE | FALSTAFF@NFS : 235U(n,f) fission fragment characteristics | 13:45 | 00:20 |
| 2249 | Diego | RAMOS\_DOVAL | The Fission Program at VAMOS++ | 14:05 | 00:20 |
| **JEFDOC** | **Evaluation methods** | **Welcome and Intro from the Chair** | **14:25** | **00:05** |
| 2250 | Jean-Christophe | SUBLET | JEFF-4.0 GNDS and hybrid forms | 14:30 | 00:20 |
| 2251 | Gilles | NOGUERE | Progress on actinide evaluations | 14:50 | 00:20 |
| 2252 | Pascal | ROMAIN | A new BRC evaluation for n+235U | 15:10 | 00:20 |
| 2253 | Alf | GOOK | Evaluation methods | 15:30 | 00:20 |
| **Coffee** | 15:50 | 00:30 |
| **JEFDOC** | **JEFF-4 Status** | **Welcome and Intro from the Chair** | **16:20** | **00:05** |
| 2255 | Daniela | FOLIGNO | The evolution of JEFF-4T2  | 16:25 | 00:20 |
| 2256 | Arjan | PLOMPEN | Status of JEFF4 | 16:45 | 00:20 |
| - | All |  Discussion | 17:05 | 00:55 |
| The End | 18:00 |   |