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

JEFF Nuclear Data Week, 21-24 November 2022

Agenda

Dr. Daniela Foligno
+33 (0)1 73 21 28 32
daniela.foligno@oecd-nea.org

Monday

Nb.	Time	Durat.	Speaker	Affiliation	Title	JEFDOC
					Benchmarking (Chair: Nicolas Leclaire)	
-	09:30	00:05	Nicolas Leclaire		Welcome and introduction	-
1	09:35	00:25	Antonio Jimenez Carrascosa		Assessment of potential nuclear data biases through data assimilation using integral experiments	
2	10:00	00:25	Alexey Stankovskiy		Impact of new evaluations on MYRRHA neutronics	
3	10:25	00:25	Nicolas Leclaire		Calculation of Integral experiments with the MORET 5 code in support of the JEFF-4.0T2 nuclear data validation.	
-	10:50	00:30			*Coffee*	
4	11:20	00:25	Steven van der Marck		Temperature dependence of reactivity: CREOLE and KRITZ benchmarks	
5	11:45	00:25	Bohumil Jansky		New Data Library JEFF-4T1 experimental test by using nickel sphere and copper cube with Cf-252	
6	12:10	00:25	Ivan Kodeli		Validation of Fe nuclear data using SINBAD benchmarks and neutron and gamma ND sensitivity - uncertainty analysis	
-	12:35	01:30			*Lunch*	
					Depletion (Chair: David Bernard)	
-	14:05	00:05	David Bernard		Welcome and introduction	
1	14:10	00:25	David Bernard		H2O TSL and recent U5g/U8g AMS subthermal values impacts for depleted fuel inventory and reactivity	
2	14:35	00:25	Jan Malec		Calculation parameters vs data in burnup calculations	
3	15:00	00:25	Raphaelle Ichou		Impact of JEFF4-T2 new data for reactivity calculations with burnup	
4	15:25	00:25	Olivier Bouland		Impact of angular distributions in (alpha,n) neutron source calculations	
	15:50	00:30			*Coffee*	
					Thermal Scattering Law (Chair: José Ignacio Marquez Damian)	
-	16:20	00:05	José Ignacio Marquez Damian		Welcome and introduction	
1	16:25	00:25	Vaibhav Jaiswal		Improved TSL for light water based on recent time-of-flight measurements at the SEQUOIA spectrometer	
2	16:50	00:25	Gilles Noguere		Status of the WPEC/SG-48 activities	
	17:15				The End	

Tuesday

Nb.	Time	Durat.	Speaker	Affiliation	Title	JEFDOC
				Experiments (Chair: Maëlle Kerveno)		
-	09:00	00:05	Maëlle Kerveno		Welcome and introduction	-
1	09:05	00:25	Gasper Zerovnik		Status of the Am-241(n,g)Am-242g e1periment at JSI TRIGA reactor	
2	09:30	00:25	Georgios Gkatis		Cross section measurements of neutron elastic scattering on 54Fe	
3	09:55	00:25	Martin Ansorge		Status of radiation induced material damage experiments at NPI	
4	10:20	00:25	Alberto Mengoni		The n_TOF NEAR Station for irradiation and activation measurements	
-	10:45	00:30			*Coffee*	
				Evaluation (Chair: Dimitri Rochman)		
-	11:15	00:05	Dimitri Rochman		Welcome and introduction	
1	11:20	00:25	Roberto Capote		Updated INDEN evaluations	
2	11:45	00:25	Pascal Romain		239Pu new evaluation	
3	12:10	00:25	Huu-Tai Chau		239Pu new evaluation	
-	12:35	01:30			*Lunch*	
4	14:05	00:25	Shin Okumura		New EXFOR parser and the IAEA-NDS website development	
5	14:30	00:25	Stefan Kopecky		U238 RRR evaluation	
6	14:55	00:25	Gilles Noguere		Status of actinides evaluations	
7	15:20	00:25	Olivier Bouland		Fitting the 235U fission cross section using Reich Moore formalism extended to fission	
	15:45	00:30			*Coffee*	
				Radioprotection (Chair: Mark Kellett)		
-	16:15	00:05	Mark Kellett		Welcome and introduction	
1	16:20	00:25	Carmen Villagrasa		Eurados and WG6	
2	16:45	00:25	Vladimir Mares		High energy MC models - potential impact on neutron dosimetry	
3	17:10	00:25	Michael Petit		Nuclear data needs	
	17:35				The End	

Wednesday

Nb.	Time	Durat.	Speaker	Affiliation	Title	JEFDOC
			Nuclear Data Uncertainty (Chair: Raphaelle Ichou and Cyrille De Saint Jean)			
-	09:00	00:05	Raphaelle / Cyrille		Welcome and introduction	-
1	09:05	00:25	Mathieu Hursin		Impact of various source of covariance information on integral parameters uncertainty	
2	09:30	00:25	Vivian Salino		ND uncertainties and adjustments using deterministic and Monte-Carlo methods and PWR measurements	
3	09:55	00:25	Luca Fiorito		Assessment of FY covariances for JEFF-4.0	
4	10:20	00:25	François Claeys		Toward a new 238U (n,inl) evaluation	
-	10:45	00:30			*Coffee*	
			Fission Observables (Chair: Olivier Serot)			
-	11:05	00:05				
1	11:10	00:20	Shin Okumura		Prompt fission observable characteristics for a wide range of fissioning systems calculated by TALYS	
2	11:30	00:20	Benoit Mauss		Prompt fission neutron spectra in the 235U(n,f) reaction	
3	11:50	00:20	Pierre Leconte		Accurate delayed neutron yield measurements for U235, U233 and Pu239 in the thermal energy range	
	12:10	01:00			*Lunch*	
4	13:10	00:20	Dorian Belverge		Benchmarking of fission yield evaluations based on summation calculations and DN yield measurements	
5	13:30	00:20	Gregoire Kessedjian		Status on the 235U(nth,f) FY evaluation : tests and validations	
6	13:50	00:20	Maxime Houdouin Quenault		New accurate measurements of 235U (nth, f) mass yields on LOHENGRIN spectrometer	
7	14:10	00:20	Sidi-Mohamed Cheikh		Test of models for isotopic yield evaluation and their impact on the covariance analysis	
8	14:30	00:20	Pierre Herran		First results on 235U(n_th,f) independent isotopic fission yields using prompt gamma rays at FIPPS	
9	14:50	00:20	Olivier Serot		Mass yields evaluation of 239Pu(nth,f): preliminary results	
10	15:10	00:20	Robert W. Mills		The UK fission product yield database - progress towards release	
	15:30	00:20			*Coffee*	
			JEFF-4 Status (Chair: Arjan Plompen)			
-	15:50	00:05	Arjan Plompen		Welcome and introduction	
1	15:55	00:25	Arjan Plompen		TBD	
2	16:20	01:40	all		Discussion	
	18:00				The End	

Thursday

Nb.	Time	Durat.	Speaker	Affiliation	Title	JEFDOC
Processing (Chair: Oscar Cabellos)					
-	09:00	00:05			Welcome and introduction	-
1	09:05	00:25	Oscar Cabellos		Processing files with LRF7 option for the reconstruction of the MF4, pros and cons.	
2	09:30	00:25	Georg Schnabel		Format validation of the ENDF files in JEFF libraries with a new tool	
3	09:55	00:20	Daniela Foligno		NEA Processing Pipeline: NJOY and PREPRO	
4	10:15	00:20	Andrew Holcomb		NEA Processing Pipeline: AMPX	
	10:35	00:30			*Coffee*	
	11:05	00:10			*Split the audience for parallel sessions*	
Fusion (Chair: Dieter Leichtle)					
-	11:15	00:05	Dieter Leichtle		Welcome and introduction	
1	11:20	00:10	Dieter Leichtle		Minutes of last meeting, review of actions	
2	11:30	00:15	Marilena Avrigeanu		Progress report on deuteron-induced reaction analysis	
3	11:45	00:15	Vlad Avrigeanu		Progress report on neutron-induced alpha-particle emission analysis	
	12:00	01:00			*Lunch*	
4	13:00	00:15	Evzen Novak		Spectrometry and reaction rate measurement at the WCLL mock-up in FNG Frascati June2022	
5	13:15	00:20	Maurizio Angelone		Status of the Tungstene-Shielding Experiment at FNG	
6	13:35	00:15	Ion E. Stamatelatos		VERDI detectors for the tungsten shield benchmark	
7	13:50	00:15	Philippe Filliatre		Feasibility assessment for BB nuclear detector in-vessel integration	
8	14:05	00:15	Alexander Prokofiev		Status report on the neutron-induced light-ion production measurements at NFS	
	14:20	00:15			*Coffee*	
9	14:35	00:15	Jan Malec		Sensitivity analysis for a breeder blanket mock-up e1periment using multi-step simultaneous sampling	
10	14:50	00:15	Alexander Konobeev		Proton activation data files for targets from C to P	
11	15:05	00:15	Greg Bailey		Progress of decay2020 library developement	
12	15:20	00:10	Ivan Kodeli		Validation of Fe nuclear data using SINBAD benchmarks and neutron and gamma ND sensitivity - uncertainty analysis	
13	15:30	00:10	Ivan Kodeli		Gamma flux sensitivity and uncertainty analysis	
14	15:40	00:15	Helmut Leeb		R-matrix analysis of neutron-induced reactions of Be-9	
15	15:55	00:15	Hernik Sjostrand		Evaluation of Fe56	

16	16:10	00:05	Dieter Leichtle		Meeting wrap-up, actions, next meeting
17	16:15	00:05	all		AOB
	16:20				The End

Nb.	Time	Durat.	Speaker	Affiliation	Title	JEFDOC
				WPEC-SG46 (Chair: Oscar Cabellos and Mathieu Hursin)		
-	13:00	00:05	Oscar Cabellos / Mathieu Hursin		Welcome and introduction	-
1	13:05	00:25	Evgeny Ivanov		IRSN contribution - status and suggestions	
2	13:30	00:25	Erwin Alhassan		Towards the simultaneous adjustment of multiple isotopes using differential and integral experiments	
3	13:55	00:25	Takanori Sugawara		Proposal of Target Accuracy for ADS Neutronics Design	
-	14:20	00:30			*Coffee*	
5	14:50	03:10	all		Discussion	
	18:00				The End	