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, 25-29 November 2024

Agenda

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Monday, 25

EFFDOC	Fusion		Welcome and Intro from the Chair	09:00	00:05
-	Dieter	LEICHTLE	Adoption of Agenda, Review of Minutes and Actions	09:05	00:10
1545	Martin	ANSORGE	Status of radiation damage research at NPI CAS	09:15	00:20
1546	Marilena	AVRIGEANU	Progress report on deuteron-induced reaction analysis	09:35	00:20
1547	Vlad	AVRIGEANU	Progress Report on neutron induced alpha-particle emission analysis	09:55	00:20
1548	Greg	BAILEY	Investigations into W-isomer production cross sections	10:15	00:20
			Coffee	10:35	00:25
1549	Haridev	CHOHAN	WPBB: Recommendations from the WPENS Concrete Benchmarks	11:00	00:20
1550	Philippe	FILLIATRE	Blanket-scope nuclear instrumentation within a Diagnostic Cassette	11:20	00:20
1551	Davide	FLAMMINI	Pre-analysis of the Concrete benchmark experiment	11:40	00:20
1552	Jessica	HOLLIS	JEFF-4T4 FNS decay heat benchmarking update	12:00	00:20
			Lunch	12:20	01:10
1553	Mathieu	HURSIN	Adjustment of Tungsten nuclear data using the FNG-W integral benchmark	13:30	00:20
1554	Axel	KLIX	TBD	13:50	00:20
1555	Ivan	KODELI	TBD	14:10	00:20
1556	Alexander	KONOBEEV	Proton activation data files for stable isotopes of S, V, Mn, Co, and Nb	14:30	00:20
1557	Helmut	LEEB	Progress in R-Matrix based evaluation of neutron-induced reactions of Be-9	14:50	00:20
			Coffee	15:10	00:25
1558	Georg	SCHNABEL	FENDL: Status and Future	15:35	00:20
1559	Henrik	SJOSTRAND	Fine structure implementation in Fe-56	15:55	00:20
1560	Diego	TARRIO	Cross-section measurements on gas production on Fe and Cr	16:15	00:20
1561	Alex	VALENTINE	Progress in the development of the JADE V&V tool	16:35	00:20
			Break	16:55	00:05
	Dieter	LEICHTLE	EUROFusion	17:00	01:00
			The End	18:00	

Tuesday, 26

JEFDOC	Experiments		Welcome and Intro from the Chair	09:00	00:05
2361	Victor	ALCAYNE	Measurement of the Er-167 (n,Î³) cross-section at n_TOF	09:05	00:25
2390	Adrian	SANCHEZ CABALLERO	Measurement of the Pu-239 neutron capture and fission cross-section at n_TOF, CERN	09:30	00:25
2362	Abdelaziz	CHEBBOUBI	INTEGRAAL experiment at JRC-Geel	09:55	00:25
			Coffee	10:20	00:30
2363	Federico	DICROCE	The role of oscillation experiments in nuclear data validation	10:50	00:25
2364	Federico	GRIMALDI	The CoRREx campaign at the VENUS-F zero power reactor	11:15	00:25
2365	François-René	LECOLLEY	(n,alpha) reactions on oxygen-16 and fluorine-19 in support of nuclear power plants	11:40	00:25
			Lunch	12:05	01:30
2366	Thomas	LIGONNET	The BLOOM pile-oscillation program at EPFL	13:35	00:25
2367	Gregory	SIEMERS	JEFF-4 181Ta Testing on Recent High Energy Neutron Scattering Measurements	14:00	00:25
JEFDOC	**Fission Observables**		**Welcome and Intro from the Chair**	**14:25**	**00:05**
2368	Alexis	FRANCHETEAU	Upgrades of the VAMOS++ Spectrometer for fission studies	14:30	00:25
2369	Abdelaziz	CHEBBOUBI	Measurement of the 153Eu cumulative yield from 239Pu(nth,f) with the LOHENGRIN spectrometer	14:55	00:25
2370	Olivier	SEROT	239Pu(n_th,f) fission yield evaluation for JEFF-4T4	15:20	00:25
			Coffee	15:45	00:30
2371	Gregoire	KESSEDJIAN	233U(n_th,f) and 241Pu(n_th,f) fission yield evaluation : preliminary results	16:15	00:25
2372	Gregoire	KESSEDJIAN	Regularization and sampling of Fission yields using correlation matrix	16:40	00:25
2373	Oscar	CABELLOS	Assessing the impact of JEFF-4T4 FY correlations in depletion calculations	17:05	00:25
			The End	17:30	

Wednesday, 27

JEFDOC	Evaluations		Welcome and Intro from the Chair	09:00	00:05
2376	Sylvain	BERTHOLON	Be (alpha,n) cross-section adjustment with a Gaussian process and angular distribution work	09:05	00:25
2377	Oscar	CABELLOS	A tentative evaluation of 233U neutron capture cross section in keV region	09:30	00:25
2378	Roberto	CAPOTENOY	Review of INDEN evaluation of structural materials for JEFF-4: challenges and potential improvements	09:55	00:25
			Coffee	10:20	00:30
2379	Pascal	ROMAIN	Status of Uranium evaluations at CEA DAM	10:50	00:25
2380	Mathieu	HURSIN	Adjustment Task Force for the JEFF library	11:15	00:25
2381	Arjan	KONING	Horizontal nuclear data evaluation: Neutron capture cross sections	11:40	00:25
2382	Gilles	NOGUERE	TBD	12:05	00:25
			Lunch	12:30	01:30
JEFDOC	**Thermal Scattering Law**		**Welcome and Intro from the Chair**	**14:00**	**00:05**
2383	Aitor	BENGOECHEA	Doppler broadening of neutron elastic scattering cross section using SCLM (Î±, Î²) thermal scattering	14:05	00:25
2384	Douglas	DIJULIO	Thermal scattering libraries for bismuth and beryllium	14:30	00:25
2385	Vaibhav	JAISWAL	Impact of nuclear data on CREOLE benchmark: UOX and MOX	14:55	00:25
			Coffee	15:20	00:30
JEFDOC	**ND Uncertainties**		**Welcome and Intro from the Chair**	**15:50**	**00:05**
2386	Aparna	ALLANNAVAR	Nuclear data uncertainty quantification: A comparison of sandwich and sampling methods	15:55	00:25
2387	Vaibhav	JAISWAL	Uncertainty driven approach for optimizing nuclear data	16:20	00:25
2388	Ahmed	SHAMA	Application of Nuclear Data Covariances in SNF Validation Techniques	16:45	00:25
2389	Pierre	SOLE	Impact of URR parameters uncertainty	17:10	00:25
			The End	17:35	
			Cocktail	18:00	

Thursday, 28

JEFDOC	Benchmarking		Welcome and Intro from the Chair	09:00	00:05
2391	Vicente	BECARES PALACIOS	Subcritical measurements in heavy water moderated, U(nat)C lattices in Spain (1960s)	09:05	00:20
2392	Oliver	BUSS	SINBAD - Update on the NEA Shielding Integral Benchmark Archive and Database	09:25	00:20
2393	Baptiste	DUROX	JEFF-3.3, JEFF-4T3 and JENDL-5 benchmarking using criticality benchmark	09:45	00:20
2394	Tim	GAINES	Fast Integral Benchmarking of JEFF4T4	10:05	00:20
			Coffee	10:25	00:30
2395	Mathieu	HURSIN	Benchmarking of JEFF-4 with Dragon/PARCS at EPFL	10:55	00:20
2396	Antonio	JIMENEZ CARRASCOSA	TBC (Benchmarking)	11:15	00:20
2397	Antonio	JIMENEZ CARRASCOSA	Libraries comparison and problematic nuclides identification from closed fuel cycle perspective	11:35	00:20
2398	Cedric	JOUANNE	Feedback on Processing and Benchmarking for JEFF4-T3 and ENDF/B-VIII.1 libraries using TRIPOLI-4	11:55	00:20
			Lunch	12:15	01:15
2399	Ivan	KODELI	To be defined later	13:30	00:20
2400	Fausto	MALVAGI	Evaluation spread of actinides on numerical benchmarks	13:50	00:20
2401	Alexey	STANKOVSKIY	Overiew of recent SCK CEN validation activities	14:10	00:20
2402	Steven	VAN DER MARCK	Benchmark results for JEFF-4T4	14:30	00:20
2403	Romain	VUIART	Benchmarking of nuclear data libraries using MORET6	14:50	00:20
2404	Tim	WARE	Feedback on JEFF-4T4	15:10	00:20
			Coffee	15:30	00:30
JEFDOC	**Feedback from Industry**		**Welcome and Intro from the Chair**	**16:00**	**00:05**
2374	Bor	KOS	Benchmarking of JEFF4 test libraries for oil and gas well logging applications	16:05	00:20
2375	Nicolas	SLOSSE	TBD	16:25	00:10
2406	Simon	RAVAUX	Impact of JEFF-4 T3.1 on core calculations	16:35	00:20
JEFDOC	**JEFF-4 Status**		**Welcome and Intro from the Chair**	**16:55**	**00:05**
2405	Arjan	PLOMPEN	TBD + Discussion	17:00	01:00
			The End	18:00	