

IAEA Consultancy Meeting on Further Development of the Fusion Evaluated Nuclear Data Library (FENDL)

30 Oct-2 Nov 2023, IAEA Vienna, Meeting room MOE05 (hybrid)

ADOPTED AGENDA

Monday 30 October (10:00 – 17:00, open 09:45 (all times Vienna time))

10:00	Opening and Welcome address – A. Koning / Section Head-NDS Election of Chair and Rapporteur(s), Adoption of Agenda	
Participants' Presentations: Introduction and Evaluations (~20'+10')		<i>Coffee breaks as needed</i>
	G. Schnabel	Introduction
	U. Fischer	History of FENDL
	Andrej Trkov	Status of INDEN evaluations
	Shinsuke Nakayama	Recent progress in JENDL charged particle files
12:30-14:00	Lunch break	
Participants' Presentations cont': FENDL-related activities (~20'+10')		
	Michal Kostal	Fusion Related Activities at CV Rez
	Tim Bohm	Current FENDL Activities at UW-Madison
	Georg Schnabel	Covariance methodology for the FENDL project

Tuesday 31 October (10:00 – 17:00)

Participants' Presentations cont': Benchmarking, Open Issues (~20'+10')		<i>Coffee breaks as needed</i>
10:00	Saerom Kwon	Problems of FENDL-3.2b
	Lee Packer	Neutronics using FENDL data: experimental benchmarking at JET in DTE2 with ITER materials
	Chikara Konno	Issues to the next FENDL
12:30-14:00	Lunch break	
Participants' Presentations cont': Benchmarking, Open Issues, Planning (~20'+10')		
	Tim Eade	The importance of W cross sections in compact fusion devices
	Yuefeng Qiu	Nuclear data used for IFMIF-DONES and current issues
	Ivo Kodeli	UKAEA experience in V&V of FENDL-3.2 and proposals for future activities

Dinner at a restaurant (separate information)

Wednesday 1 November (10:00 – 17:00)

Participants' Presentations cont': Codes development (~20'+10')		<i>Coffee breaks as needed</i>
10:00	Daniel Lopez Aldama	Updating the NJOY2016.71 code for processing FENDL
	M. Fabbri, Davide Laghi	F4E: Contributions and Needs / Status of JADE and recent developments
	Alex Valentine	UKAEA development of the JADE tool for V&V of nuclear data and particle transport codes
12:30-14:00	Lunch break	
Participants' Presentations cont': Data governance & IT infrastructure (~20'+10')		
	Georg Schnabel	Current data management practices in FENDL
	Nathan Cummings	Data management, fair principles, etc. (<i>tbd</i>)
	Jonathan Shimwell	An overview of nuclear data processing with OpenMC

Thursday 2 November (10:00 – 15:00)

10:00	General discussion // drafting of the meeting summary report // recommendations and actions	
15:00	Closing of the meeting	
	<i>Break(s) as needed</i>	