Informal meeting on FENDL on 23 November 2020

Purpose

The purpose of this informal meeting was to give collaborators and contributors associated with the FENDL library the opportunity to present recently performed work since the last meeting and discuss issues related to the release of FENDL 3.2.

Agenda

All times are CET

Time	Presenter	Title
14:00	G. Schnabel & R. Capote (IAEA)	Welcome & short introduction
14:20	A. Trkov (JSI)	Contribution to Cr data validation on the Oktavian benchmark
14:45	T. Bohm (WISC)	Neutronics calculations to support the fusion evaluated nuclear data library
15:10	M. Fabbri (F4E)	JADE: Introduction, general overview and plan
15:35		**10 minutes break**
15:45	D. Laghi (NIER)	JADE update and FENDL3.2 beta testing
16:10	G. Schnabel (IAEA)	Developments towards better traceability of nuclear data libraries at the example of FENDL
16:40		**Discussion** (ca. one hour)

All presentations can be downloaded here.

Summary of discussion

- It was emphasized that this is an informal meeting to enable people to present updates on activities related to FENDL.
- It was generally agreed upon that another meeting on FENDL should be organized in about six months with a more timely announcement to enable a broader participation of essential FENDL collaborators.
- Based on the comparison of neutron flux and total heating in ITER benchmarks presented by Tim Bohm, Roberto Capote suggested to include the new Cr and Fe evaluations of the INDEN project into FENDL 3.2 as it leads to an improved match with FENDL 2.1
- A new O16 evaluation (mostly adopted from JENDL-4.0/HE) is available as candidate for inclusion in FENDL 3.2 but should still be validated by computational ITER benchmarks as presented by Tim Bohm and by the JADE V&V system.
- Dieter Leichtle suggested to include neutron activation files of TENDL-2017 because validation documentation is available and Roberto Capote added that evaluations of IRDFF-II should be given precedence over TENDL-2017 where available. Andrej Trkov clarified that TENDL-2017 is irrelevant for light isotopes as their evaluations are taken from JEFF EAF-2010
- Roberto Capote announced that Daniel Lopez Aldama will soon start to reprocess the full FENDL library including the new isotopes, but also remarked that resulting ACE and related files should be taken from the previous FENDL library version if the source ENDF files have not been updated.