

Subgroup B: ENDF Formats and Processing

Status report from May 2003 to May 2004

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Report from the CSEWG Meeting, 4-6 November 2003

Contributions to ENDF format requests from Japan, Europe (Bulgaria) and the IAEA were presented [1]. No contributions or comments were received from JEFF, BROND and CENDL. Altogether, six proposals originating from outside the USA were discussed. Report summarizing the outcomes of the meeting was sent by e-mail to contact persons from national projects [2]. Conclusions from the CSEWG meeting on formats and processing can be summarised as follows:

1. The proposal for energy-dependent decay constants was accepted with the following constraints:
 - LDG=-1 was considered unnecessary.
 - LDG= 1 could be incorporated into LDG=2 (i.e. decay constants and abundances are both energy-dependent, since the size of the files is small. Removal of one data representation would simplify data processing.
 - LDG= 2 for energy-dependent decay constants and abundances would be represented by LDG=1.
2. The proposal to increase the limits on NP and NK in MF4 and MF6 was accepted. In future, a brief justification should be provided with the request, stating the particular case where such a change was found necessary.
3. The proposal about the LCT flag in MF6 turned out to be a problem of the manual, which will be corrected.
4. The proposal to include the description of the NLIB parameter in the ENDF formats manual was accepted.
5. The proposal to include citation instructions in the ENDF formats manual was accepted.
6. The proposal for new procedures in the URR was provisionally accepted. Final decision will be taken when an example is prepared according to new specifications so that data testing can be performed independently. Additional questions were raised:
 - What are the remaining advantages of the new procedures (involving RM formalism) if no format changes except for the processing flag LNEW are introduced (omission of second fission channel width and other RM-specific parameters).
 - Rename LNEW to LRM or use the LRF flag instead.

Actions

1. Request J.C. Sublet to prepare additional information on format requests before the next CSEWG Meeting in November 2004.
2. Request P. Ribon to prepare additional information on the resolved resonance formalism.
3. Request N. Janeva to prepare additional information on the unresolved resonance formalism.

References

- [1] NNDC, Cross Section Evaluation Working Group Meeting, Proceedings, Brookhaven, 4-6 November 2004.
- [2] E-mail from A. Trkov to the contact persons of national projects, 14 November 2003.