CJD PROGRESS REPORT

NRDC Technical Meeting

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Introduction.

During the period passed after previous Meeting the current work was continued concerning EXFOR compilation and fulfillment of NRDC-2008 Conclusions and Actions. A large part of activity was related to the nuclear data evaluation.

1. Staff

At present moment the number of CJD staff is 9: 4 leading scientist, 2 senior scientists and 3 engineers.

2. EXFOR activity.

- After the NRDC2008 Meeting :

Exfor Trans 4144 was transmitted to NDS as final.

Exfor Trans 4145 was transmitted and declared as final.

Exfor Trans 4146 is transmitted as preliminary.

Compilation statistics

TRANS	Date/status	Entries Total	Entries New	Entries Revised	Subents Total	Subents New	Subents Revised
4144	2008/11/10Final	12	2	10	124	26	99
4145	2009/02/18Final	12	7	5	62	35	27
4146	2009/05/07Prelim.	47	0	47	465	35	430
Total		**71**	**9**	**62**	**651**	**96**	**556**

- The efforts were made to get numerical data from authors. Good cooperation was established with authors O. Shcherbakov, A.Vorobiev (4RUSLIN), L.Bondarenko (4RUSKUR).

- The guide for EXFOR compilers was prepared in CJD according to Conclusion C13 and Action A16 of NRDC2008 and was sent in all Centers.

3. Computer and software matters. WEB-site service.

- CJD web-site http://www.ippe.ru/podr/cjd/ is the part of IPPE web-site (mainly in Russian), which is in improvement now.
- New versions of CHEX and EXFOR dictionaries were copied from NDS open area and used in compilation.
- The digitizing program of Sarov is used to digitize graphical data for EXFOR.

- New tool of web-service for compilers (http://nds121.iaea.org/exfor2/x4up1.htm , under improvement , developed by V.Zerkin) was tested.
- The information from developed by N.Otsuka web-sites :
http://www-nds.iaea.org/nrdc/error/exfor_err1.html ,
http://www-nds.iaea.org/nrdc/error/exfor_err2.html ,
http://www-nds.iaea.org/nrdc/error/exfor_err3.html

was found to be useful for correction of the old Entries.

- http://www-nds.iaea.org/exfor-master/x4compil/ - EXFOR status compilation web-page was used to found the articles for compilation.

4. Nuclear data evaluation activity.

The main efforts of CJD in the data evaluation activity are directed to the analysis of available evaluated data files and selection of the best ones with point of view of microscopic and integral experimental data and nuclear theory model calculations. This work is being done mainly by A.Ignatyuk, V.Manokhin and V.Pronyaev.

A.Blokhin's group continues activity in nuclear data evaluation and practical calculation of the activation and radiation damage of structural materials for fission and fusion reactors.

The dosimetry reactions evaluation was continued by K.Zolotarev.

5. Publications.

The issue of journal "Yadernye Konstanty" was prepared for publishing in 2008 year, is not printed yet. The issue of 2009 is in preparation for publication.
YK 1999 – 2007 issues of are available to read from the IPPE web-site http://www.ippe.ru/ninf/pub.php.

6. Acknowlegments.

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