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PROGRESS REPORT
to NRDC Technical Meeting
(8 - 10 October 2007, Vienna)

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Introduction.

During the period passed after previous Meeting the current work was continued concerning EXFOR compilation and fulfillment of NRDC-2006 Recommendations and Actions. A large part of activity was related to the nuclear data evaluation. The details are given below.

1. Staff

At present moment the number of CJD staff is 8 : 3 leader scientist, 2 senior scientists and 3 engineers.

2. EXFOR activity.

All journals available at the Institute library are checked for the presence of the experimental data.

After the NRDC2006 meeting :

Exfor Trans 4138 was transmitted to NDS as final.

Exfor Transes 4139 and 4140 were transmitted and declared as final.

Exfor Trans 4141 is transmitted as preliminary.

Compilation statistics

TRANS	TRANS-Flag	Entries Total	Entries New	Entries Revised	Subents Total	Subents New	Subents Revised
4138	Final	48	5	43	534	99	435
4139	Final	44	12	32	355	67	288
4140	Final	33	11	22	192	47	145
4141	Prelim.	23	5	18	116	24	92
Total	(final)	125	28	97	1081	213	868
Total		148	33	115	1197	237	960

The efforts were made to get numerical data from authors. Good cooperation was established with authors O. Shcherbakov (4RUSLIN), V. Roshchenko(4RUSFEI).

The scanning of experimental data from graphics (in the case if authors reply is absent) let us to increase the number of compiled articles for EXFOR library.

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

At present the CJD Web-site <http://www.ippe.ru/podr/cjd/> is under reconstruction.

New versions of CHEX testing code and EXFOR dictionaries are copied from NDS open area and used in compilation.

The digitizing program of Sarov is used to digitize graphical data for EXFOR.

4. Nuclear data evaluation activity.

The main efforts of CJD in the data evaluation activity are directed to 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.

5. Publications.

One issue of journal "Yadernye Konstanty" were published during 2006 year. The electronic copy of this issue was sent to NDS for translation in English and publishing as NDS report. During 2007 year issue 1-2 is preparing for publishing.

6. Acknowledgments.

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