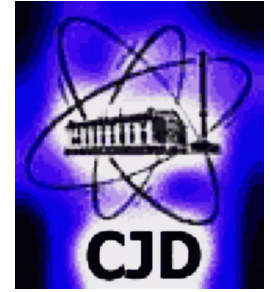




Russian Nuclear Data Center (CJD, IPPE, Obninsk)



1. Staff

- *CJD is a laboratory within the theoretical physics division of “Department for perspective researches” in IPPE*
- *5 scientists*
- *3 engineers*

2. EXFOR activity

EXFOR compilation statistics - area 4

Trans	Status	Entries			Subentries		
		Total	New	Rev.	Total	New	Rev.
4163	fin.	33	3	30	236	90	146
4164	fin.	53	12	41	403	127	276
4165	fin.	45	0	45	286	0	286
4166	fin.	24	4	20	171	25	146
4167	fin.	28	0	28	205	35	170
Final		183	19	164	1301	277	1024
4168	prel.	26	3	23	141	18	123
Total		209	22	187	1442	295	1147

EXFOR compilation statistics for area 2

Trans	Status	Entries			Subentries		
		Total	New	Rev.	Total	New	Rev.
2239	fin	26	19	7	204	127	77
2241	prelim	16	11	5	502	443	59
Total		42	30	12	706	570	136

Other matters

- Checking of neutron induced data Transes:

Area 1 : 1399 – 1404 – 5 Transes

Area 2 : 2238, 2240 – 2 Transes

Area 3 : 3164 – 3168 – 5 Transes

- Scanning of Russian journals:

YF, AE, IZV, PTE, ZET, ZEP, FCY,
FCY/L, YK

3. NRDC2014 Actions

- A1 – All articles (3.4.2015, CoCoS) were compiled. Allocation site -22: 6 compiled, 16 in compilation.
- A4 - Urgent corrections were made. Normal - will be continued.
- A5 – A.Andreev left IPPE, nobody nominated.
- A7,75,89 – Feedbacks were sent.
- A66,80,83,86 – Feedbacks were not sent.
- A31,53,54 – Finished.
- A28,32,55,56,65, – Has not finished yet .
- A45-49,52–Total added – 139(+6 in prelim). Will be continued.

4. WEB-sites service.

- Web-sites used in compilation:
 - to find articles – CoCoS, allocation sites;
 - to find Engl.transl.of YK,ICD,KIEV conf.-
<https://www-nds.iaea.org/publications>
 - to correct errors – feedback list;
 - to check transes – Janis Trans Checker of NEA DB
- Sarov's and GSYS digitizers
- ORDER, CHEX.
- [CJD, IPPE sites -in reconstruction](#)
- [New YK journal site - in preparation.](#)

5. YK publication.

YK -Yadernye Konstanty (VANT)

YK-2013, 1-2 – last issue

Yadernye i reaktornye Konstanty

www.ippe.obninsk.ru/podr/cjd/

1996-2007, texts

www.ippe.ru/ninf/pub.php

1999-2009 abstracts

6. Nuclear data evaluation activity.

- BROND-3.1

- 372 files of isotopes from H to Cm, thermal- 20 MeV
- improvements in neutron inelastic scattering, radiation capture cross sections, gamma-lines production cross-section
- revised fiss. cross sections and DLN yields for minor actinides
- method of stat. estimation of un-recognized uncertainties
- covariance matrixes for cross sections uncertainties
- testing format ENDF-6
- verification by benchmark experiments
- planned to transmit to NDS at the summer 2015

7. Acknowledgments to

- E.Dupont, O.Cabellos, N.Otsuka, V.Semkova, S.Simakov, R.Capote for comments and discussions
- authors of experimental data :
V.Shorin, V.Piksaykin; V.Dement'ev; A.Vorobiev
- E.Ivanova, K.Astvatsaturova (JINR library)
- V.Zerkin for automatic access to Entry in old transes
- S.Dunaeva, K.Nathani, L.Vrapshenjak for sent pdf-copies of English translations
- A.Oechs for assistance

Obninsk, cat-scientist

