

Nuclear Data Sheets/ENSDF 11/10

*Jagdish Tuli**

*National Nuclear Data Center
Brookhaven National Laboratory*

**Email: Tuli@bnl.gov*

ENSDF –Statistics (Oct 26, 2010)

Datasets: 16966 (last yr.16635)

Nuclides: 3119 (3066)

Records: 2,358,801 (2,280,804) 3.4%

Size: 188.7MB(182.5 MB)

Comments Datasets: 523 (474)

Adopted Datasets: 3133 (3078)

Decay Datasets: 4000 (3938)

Reaction Datasets: 9019 (8854)

ENSDF –Distribution

- Distributed twice a year
- Last Distributed on October 21, 2010
- Update Mode
- Full file – divided into 3 smaller files:
 - 1 to 99
 - 100 to 199
 - 200-294

XUNDL –Distribution

- Distributed Twice
- Last Distributed on October 21, 2010
- Update File
- Full file

ENSDF – Processing

- Processing Status sent every month
 - on an average ~26 (24-32) mass chains in process

ENSDF Evaluation Processing Report

J. K. Tuli

Evaluations Received since 4-Oct-2010:

- A-Chains: 245 (Browne,Tuli)

Status of Evaluation Processing

- A-Chains:

Mass no.	Evaluator	Status
31	Ouellet,Singh	Post Review (with evaluator 6-Apr-09)
32	Ouellet,Singh	Pre Review (with evaluators since 29-Oct-09)
33	Singh,Chen	Post Review (with evaluators since 25-Aug-10)
34	Nica,Singh	Post Review (with evaluators since 4-Feb-10)
35	Chen,Cameron, Singh	Pre Review (with NNDC since 18-Aug-10)
36	Nica,Cameron,Singh	Pre Review (with evaluators since 21-Oct-10)
37	Cameron,Chen,Singh, Nica	In Review (with reviewer since 1-Oct-10)
50	Elekes,Timar,Singh	Post Review (with evaluators since 24-Jun-10)
56	Huo	Post Review (with NNDC since 21-Oct-10)
61	Zuber,Singh	Pre Review (with evaluator since 19-Oct-10)
71	Abusaleem,Singh	Post Review (with evaluators since 15-Jul-10)
77	Nica,Singh	Post Review (with evaluators since 25-May-10)
85	Singh	Pre Review (with evaluator since 20-Nov-08)
89	Singh	Post Review (with evaluator since 2-Aug-10)
92	Baglin	Pre Review (with NNDC since 30-Sep-10)
93	Baglin	Post Review (with evaluator since 12-Jun-09)
95	Basu,Mukherjee, Sonzogni	In print, NDS 111, 2555 (2010)
99	Browne,Tuli	Pre Review (with NNDC since 19-Aug-10)
117	Blachot	Post Review (awaiting corrections from evaluator)
125	Katakura	Post Review (with evaluator since 21-Apr-10)
127	Hashizume	Post Review (with evaluator since 24-Jun-10)
129	Timar,Elekes,Singh	Pre Review (with NNDC since 30-Sep-10)
133	Khazov,Rodionov	Post Review (with evaluators since 27-Jul-09)
142	Johnson,Symochko, Fadil,Tuli	In Review (with reviewer since 7-Sep-10)
150	Basu,Sonzogni	In Review (with reviewer since 11-Oct-10)
161	Reich	In Review (with reviewer since 2-Jun-10)
192	Baglin	Pre Review (with evaluator since 17-Nov-09)
207	Kondev,Lalkovski	In Review (with reviewer since 6-Oct-10)
245	Browne,Tuli	Pre review (withh NNDC since 6-Oct-10)
249	Abusaleem	In Review (with reviewer since 12-Oct-10)

Nuclide Priority List

Priority List

Last on April 17, 2009

Based on Experimental Papers in NSR

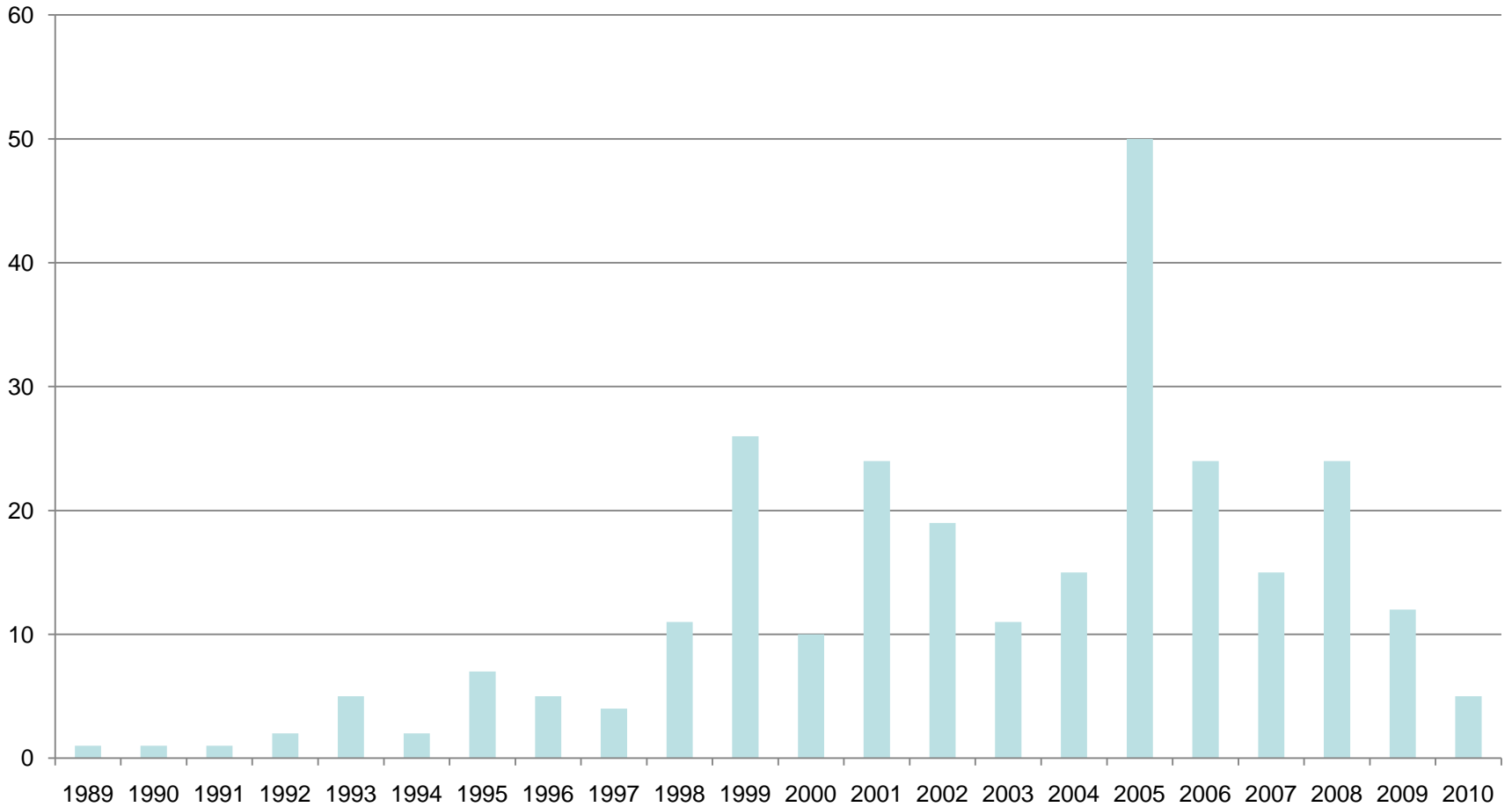
150 Nuclides picked

Contact NNDC if not your region

NDS

- 10 Issues (Jan-Nov, 2010)
 - 15 Mass-chain evaluations (18)
 - 2738 pages (3106)
 - 183 pg /A-chain, (previously 129, 154, 160,173)
- 1 Issue (Dec, 2010)
 - 225 pages
 - non-ENSDF content

Evaluation Cut-off Year



NDS-Elsevier

As of 28-Oct-2010

- User accounts: 5236 (4374 in 8/09)
- Articles online 1909 (1810 in 8/09)

NDS- Elsevier-Downloads

Downloads (paid)

2003: 2973

2004: 5324

2005: 6861

2006: 7896

2007: 11675

2008: 12736

2009: 15254

2010 (YTD, 10/28/10): 12335

NDS- Elsevier-Downloads

Downloads by Country (2006-2007):

Europe: 39%

(Sweden: 8.2%, Germany: 6.29%, France: 6.06%,
UK: 4.76%, Italy 2.81%, Belgium 2.01, Russia: 1.99%,
Switzerland 1.28%, Finland 1.08%)

Asia: 33%

(China: 12.98%, India: 5.64%, Japan: 5.51%, Iran: 2.41%, Saudi
Arabia 1.60%, Korea 1.43%, Turkey 1.25%, Israel 1.05%)

Americas: 25%

(USA: 20.5%, Canada: 1.49%, Brazil: 1.42%, Argentina: 1.05%)

Africa: 2%

Australia 1.46%

NDS- Elsevier-Downloads

Downloads by Country (2008-2010): (in %)

- Australia (1.2)
- Brazil (1.1),
- Canada (1.9),
- China (14.0),
- Egypt (1.5)
- Finland (1.7)
- France (6.3)
- Germany (6.4)
- Hungary (1.2),
- India (4.1),
- Iran (0),

NDS- Elsevier-Downloads

Downloads by Country (2008-2010): (in %)

- Israel (1.4)
- Italy (3.5),
- Japan (6.6),
- Russia (2.6),
- Saudi Arabia (1.2)
- Sweden (3.5),
- Switzerland (1.7),
- Tunisia (1.4),
- Turkey (1.4),
- UK (4.6),
- USA (21.4)

NDS- Elsevier-Downloads

2010-Q2 Downloads:

ENDF/B-VII: 188

RIPL: 88

Benchmarking: 52

Empire: 39

NDS evaluations:

73 (A=163) – 20 (A=24,241)

1982 Recent References: 20 ??

NDS- Elsevier-Downloads

Most 2010-Q2 downloads:

ENDF/B-VII: 188

RIPL: 88

NDS A=163: 78

NDS A=58: 70

NDS- Elsevier-Citations

Most Citations (includes self-citations):

ENDF/B-VII

Empire

NDS A=24, 122, 176

NDS A=109

NDS- Elsevier-IF

NDS Impact Factor : 1.145

(3.404 in 2008)

Down due to covariance workshop
proceedings in 12/2008

NDS-Possible Changes

Subscriptions for the printed copy a very small fraction of electronic access

Elsevier to provide access by nuclides/datasets

Electronic publication – what to put in print?