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The JENDL-3.3 fission-product yield data library

Compiled by T. Nakagawa (JAERI)

Contents and documentation

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Abstract: This data library contains neutron-induced fission-product yield data for ten fissile nuclides, some of them at 3 incident neutron energies, including independent yields and cumulative yields, supplemented with data for Am-241 and AM-243 as taken over from ENDF/B The data library, which is in ENDF-6 format, is available, cost free, on Cd-ROM, or on <http://www-nds.iaea.org/j33/j33fy.htm>

JENDL-3.2 data were automatically transformed to JENDL-3.3.

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Online: TELNET or FTP: iaeand.iaea.org
username: IAEANDS for interactive Nuclear Data Information System
usernames: ANONYMOUS for FTP file transfer;
FENDL2 for FTP file transfer of FENDL-2.0;
RIPL for FTP file transfer of RIPL;
NDSOVL for FTP access to files sent to NDIS "open" area.

Web: <http://www-nds.iaea.org>

Note:

The IAEA-NDS-reports should not be considered as formal publications. When a nuclear data library is sent out by the IAEA Nuclear Data Section, it will be accompanied by an IAEA-NDS-report which should give the data user all necessary documentation on contents, format and origin of the data library.

IAEA-NDS-reports are updated whenever there is additional information of relevance to the users of the data library.

For citations care should be taken that credit is given to the author of the data library and/or to the data center which issued the data library. The editor of the IAEA-NDS-report is usually not the author of the data library.

Neither the originator of the data libraries nor the IAEA assume any liability for their correctness or for any damages resulting from their use.

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Citation guidelines:

JENDL-3.2/FPY

The JENDL-3.2 fission-product yield data library
compiled by T. Nakagawa (JAERI)

This data library contains evaluated data for independent and cumulative fission-product yields following neutron induced fission for ten fissile nuclides. The following fissile systems are included:

nuclide	incident neutron energies		
90-Th-232		fast	14 MeV
92-U-233	thermal	fast	14 MeV
235	thermal	fast	14 MeV
236		fast	
238		fast	14 MeV
93-Np-237		fast	
94-Pu-239	thermal	fast	14 MeV
240		fast	
241	thermal	fast	
242		fast	

The file is supplemented with data for [Am-241](#) and [Am-243](#) as taken over from ENDF/B. The format of the data library is ENDF-6 as documented in IAEA-NDS-76.

Origin of the data:

The evaluated data have been taken over from JNDC-FP2, the fission product nuclear data library of the Japanese Nuclear Data Committee, and converted to ENDF-6 format. See the document IAEA-NDS-51 for a documentation of JNDC-FP2, which had been published in two reports:

K. Tasaka et al., JAERI-1320 (Sept. 1990)
H. Ihara (ed.), JAERI-M-89-204 (Nov. 1989)

A decay data file of fission product (FP) nuclides has been developed for the use in nuclear technology field as one of special purpose files of JENDL (Japanese Evaluated Nuclear Data Library) in the format of ENDF/B and it is called JENDL FP Decay Data File 2000.

J. Katakura et al., JAERI -1343 (July 2001)