

README File of JENDL-3.3 Data & Figures CD-ROM

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1. Copyright and Reference

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JENDL-3.3:

JAERI Nuclear Data Center: "Japanese Evaluated Nuclear Data Library, Version 3, Revision 3 (JENDL-3.3)", private communication (2002).

The official reference of JENDL-3.3 will be given later on our WWW page after the report has been published.

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FAILURE OF THE MATERIAL TO OPERATE WITH ANY OTHER MATERIALS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

2. File Structure

Descriptions of directory and file names are written in the way of MS-Windows(TM) like "Root Directory" is written as "\" which appears as "Japanese Yen symbol" or "back slash" depending on your platform.

\DATA: Data Directory

\DATA\J33: Directory of Original JENDL-3.3

JENDL-3.3 Original Files are stored as nuclide by nuclide.

\DATA\J33k000: Directory of JENDL-3.3 Point-wise File at 0 K

JENDL-3.3 Point-wise Files at 0 K with 0.1 % interpolation accuracy are stored as nuclide by nuclide and compressed by gzip.

\DATA\J33k300: Directory of JENDL-3.3 at 300 K

JENDL-3.3 Point-wise Files at 300 K with 0.1 % interpolation accuracy are stored as nuclide by nuclide and compressed by gzip.

\DATA\J33av70: Directory of JENDL-3.3 Averaged 70 Group Cross Section

JENDL-3.3 Averaged 70 Group Cross Section Files are stored as nuclide by nuclide.

\DATA\J33fy: Directory of JENDL-3.3 Fission Yield Data

JENDL-3.3 Fission Yield Data Files are stored as nuclide by nuclide.

\FIG: Figure Directory

"jpeg File" for plots produced from JENDL-3.3.

\GZIP: Utility Directly for compress and uncompress tool

This directory includes source and executable files of GNU ZIP (gzip) for several platforms (see below), in order to restore compressed files (*.gz) to their original.

\gzip\mac: executable file compressed by Stuffit(TM) for Macintosh(TM)

\gzip\msdos: executable file for MS-DOS

\gzip\unix: source file for UNIX(R)

\HTML: html Files for Browsing Tool

This directory includes html files to reach figures and data easily. The head page is \index.htm at root directory. One can start from this file.

\index.htm : the entry of html files

\README.TXT: this file

3. How to Use this CD-ROM

3.1 Browsing Figures

First you open your browser and type

"X:\index.htm" for MS Internet Explorer,

"file:///X:/index.htm" for later version of NetScape, and

"file:///X|/index.htm" for older version of NetScape,

where X is your CD-ROM drive name for "MS-Windows(TM)". For other platform, you can do similarly. After that, click "Neutron-induced reaction data".

Then you can get a table of JENDL-3.3 nuclides and links to data and figures.

By clicking the column of "Figures", you can easily see the jpeg figures of

your selected target material. Figures are divided into three categories;

(Fig.1) total, elastic and inelastic scattering, capture and fission cross

sections (as file name of *_1.jpg), (Fig.2) same as Fig.1 but the cross

sections are averaged in 70 energy group intervals(as file name of *_2.jpg),

and (Fig.3) threshold reaction cross sections (as file name of *_3.jpg).

3.2 Data Files

JENDL-3.3 original files, pointwise files at 0 K, 300 K, and 70 group structured files are stored as nuclide by nuclide. Their Point-wise Files at 0 and 300 K with 0.1 % interpolation accuracy are compressed by gzip. You can see numerical data by clicking "original", "0K" or "300K" in the "Numerical Data" column. Since the pointwise files at 0 and 300 K are gzipped, they have to be extracted by "gunzip" or "gzip -d" command at your platform. If your browser has a gzip plug-in, you can see the data on your browser directly. Each line of the data files terminated by codes of "carriage return (CR) + line feed (LF)". The data are in the ENDF-6 format. You can find the format description at <http://www.nndc.bnl.gov/nndcscr/documents/endl/endl102/>.

3.3 Utilities

Directory "\GZIP" includes source and executable files of GNU ZIP (gzip) for several platforms, in order to restore compressed files (*.gz). This software can restore a *.gz file to an ordinary ASCII text file, and you can see the texts by your preferable editor or word processor.

4. Contacting Address for Questions and Comments

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If you would like to see original WWW page, please access to the URL
of <http://wwwndc.tokai.jaeri.go.jp/>.