



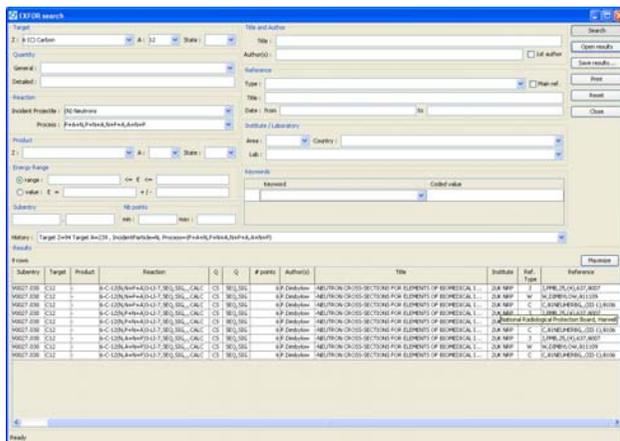
Search and Manipulate Data

There are many possibilities to search in the databases included in Janis:

- Using the 'Search' option in the menu.
- Right-clicking on the data line in the plot window, and chose 'search'

Different search features:

- The EXFOR search window contains most keywords that are included in the EXFOR format.
- CINDA includes searches on the reaction string as well as a cross correlation with EXFOR data.
- The ENDF search window.
- Decay lines.
- Resonances.



Additional features

- Computation of data
- Weighting (energy spectra, groups)
- Comparison with other data

What's new in Janis-3

- Janis-3 contains the latest evaluated data libraries: JEFF-3.1, ENDF/B-VII, JENDL-3.3, FENDL-2.1 ...
- The complete EXFOR database can be accessed, in the original format.
- Bibliographical data in the upgraded CINDA database is available.
- New search interfaces for the EXFOR and CINDA databases.
- The plot window is improved with vectorial display. The user can customize all fields, e.g. titles, x-axis unit presentation, colours, fonts...
- Improved export functionality of data and graphs. CSV, PNG and many other formats are supported
- JANIS is totally integrated as the plotting tool for the NEA web retrievals EVA and EXFOR. See:
 - www.nea.fr/html/dbdata/eva
 - www.nea.fr/html/dbdata/x4

Frequently Asked Questions

Please see www.nea.fr/janis/help/ for answers and How-To...

Please use janis@nea.fr to send questions to the Janis forum.

Contact details

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Summary:

Janis is a display program for nuclear data. It offers flexibility for the comparison of different nuclear data sets. Its powerful and user-friendly navigation tools make it also suitable for educational purposes.

Janis is free of charge.

Getting Started

- Install Java
- Launch or download Janis from www.nea.fr/janis, or request a DVD from janisinfo@nea.fr



Browser Window

This window contains legends, isotope list, database selection and 'chart of nuclides' panes. By double-clicking on the chosen isotope, the plot window appears.

Plot Window

The plot window contains a data pane with graphs, tabular data or decay paths, a settings pane for title customization, etc. and a selection pane to choose data sets.

Search and Manipulate Data

Several search windows permit to find data in EXFOR, CINDA, evaluated data libraries, NUBASE, et c. Data can be inter-compared in the plot window.

News, FAQ and Contacts

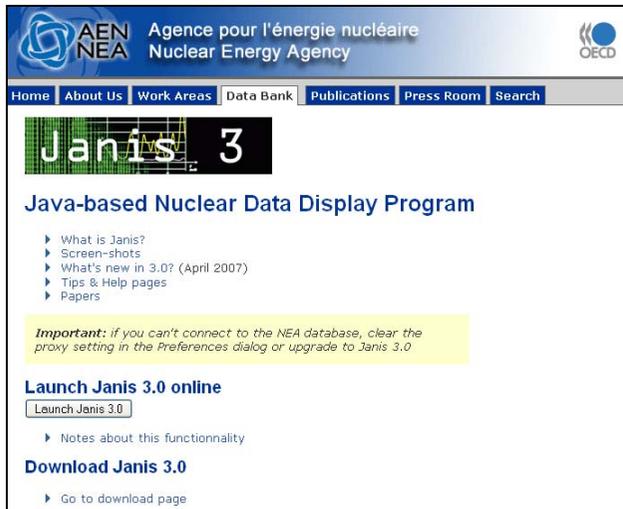
See the web page www.nea.fr/janis



Getting started

Free Download and Usage:

- Java (e.g. JRE version 5.0) needs to be installed to run Janis. Available for free at: <http://www.java.com/>
- Launch or download Janis from www.nea.fr/janis. Alternatively: request a DVD from the NEA.



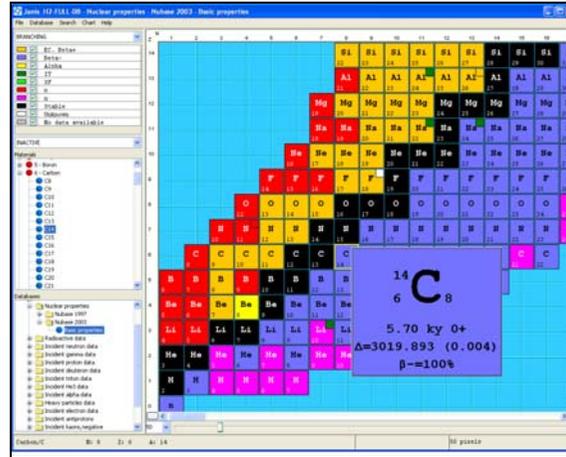
Janis is platform-independent: it runs on all computer operating systems that supports Java.

Main menu

File	Load data, change preferences, exit.
Database	Install remote or local databases.
Search	Find data in all installed databases.
Chart	Set chart preferences, find nuclides, save chart as figure.
Help	Manual, present version details.

The Browser Window

When Janis is launched*, the browser window appears.



This window contains a 'chart of nuclides' pane with the isotopes that are available in a certain database selected in the bottom-left pane. The middle-left pane contains a list of the isotopes, and the top-left pane shows the legend of the chart pane. The bar at the bottom of the window is used to zoom.

By double-clicking on the chosen isotope, the plot window appears (Ctrl-G can be used to find the isotope of interest.)

By right-clicking on an isotope, further data on that isotope is shown.

* If Janis is launched via the NEA Web retrieval system, EVA and EXFOR, a **plot window** is displayed immediately. See also:

- www.nea.fr/html/dbdata/eva
- www.nea.fr/html/dbdata/x4

The Plot Window

The plot window contains three main parts:

- The Data pane with graphs, tabular data or decay paths (shown in different 'tabs').
- The Settings pane (to the right) used to set the x- and y-axes, normalization factors, zoom, titles, colours, unit format...
- The Selection pane in the bottom of the window is used to choose what data to handle. There are many choices here.
 - 'P' plots the selected data set.
 - 'T' shows a table of the data.
 - 'I' presents general information.
 - 'D' is used for decay paths.

Right-clicking on a selected data set gives a menu of choices for manipulating or comparing the data set. See also the menu bar for more options.

