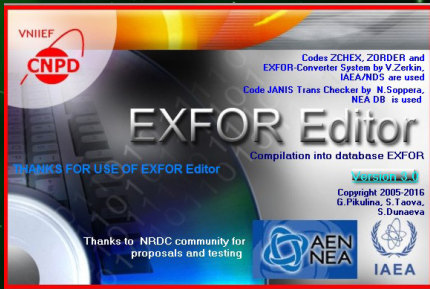


Quick-Start Tutorials for EXFOR-EDITOR and INPGRAPH

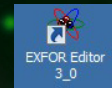
(G. Pikulina, 2017-05-25)

See the following pages for the quick-start tutorials for EXFOR-EDITOR and INPGRAPH.

EXFOR-EDITOR: QUICK-START TUTORIAL



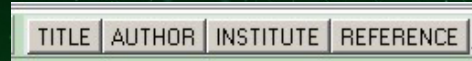
STEP 1
Launch EXFOR-Editor



STEP 2
Create new file and define its structure and content
or File/New/EXFOR file



STEP 3
Enter or edit bibliography or Keywords/Bibliography



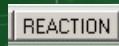
STEP 4
Enter or edit experiment description: physics, related data,
bookkeeping or Keywords/Physics, Keywords/Related Data, Keywords/
Bookkeeping



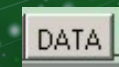
STEP 6
Enter or edit Common Section
or Sections/COMMON



STEP 5
Enter or edit data Reaction or Keywords/Data Specification

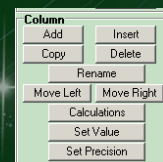


STEP 7
Enter or edit Data Section or Sections/DATA

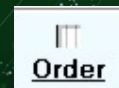


STEP 8
Process numeric data in Data Table Mode:

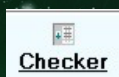
- Import or Copy/Paste
- Calculations
- Sort
- Set Precision
- Check numeric data



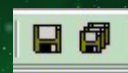
STEP 9
Order lines of EXFOR file
use ZOrder or Processing/Order



STEP 10
Check format and context of EXFOR-file: use ZChex,
Trans Checker
or Processing/Check or Processing/Checker



STEP 11
Save EXFOR file
or File/New/Save or File/New/Save as



STEP 12
Enjoy and have a good day
ENTRY is ready

Create new file and define its structure and content or File/New/EXFOR file

2

Enter or edit bibliography or Keywords Bibliography

3

Enter or edit experiment description: physics, related data, bookkeeping or Keywords/Physics; Keywords/Related Data; Keywords/Bookkeeping

4

Enter or edit Common Section or Sections/COMMON

6

Enter or edit Data Section or Sections/DATA

5

Enter or edit data Reaction or Keywords/Data Specification

The screenshot shows the 'Nuclear Data Compilation into EXFOR Format Version 3.0' application. The menu bar includes File, Sections, Keywords, Edit, Processing, Tools, and Help. The toolbar contains buttons for EXFOR file, Wizard, Dummy, Sort, Chart, Order, Check, Checker, Spell Check, Num. Check, and X4+ Viewer. The main window is divided into several panes: a left pane for 'EXFOR File Structure' showing a tree view of sections like ENTRY, SUBENT, BIB, TITLE, AUTHOR, etc.; a central pane for 'EXFOR Dictionary Panel' with a list of codes; and a large central table for 'EXFOR File Structure' with columns for Column, Row, Total, Insert, and File Name. The table contains data for entry F1257, including subentries for BIB, TITLE, AUTHOR, INSTITUTE, and REFERENCE.

The screenshot shows the 'Data Table' window. The table has columns: ANG-CM, MOM, DATA-CM, DATA-ERR, ADEG, MEVC, MB/SR, and MB/SR. The data rows show values for these parameters. A context menu is open over the table, showing options like Import, Paste, Sort, Chart, Clear, Check, Add, Insert, Copy, Delete, Move Left, Move Right, Calculations, Set Value, Set Precision, Row operations (Add, Insert, Copy, Delete, Move Up, Move Down), and Table operations (Precision for Table, Clear Data Table, Export Data Table, Add Data Table, Cancel, EXFOR-Help, Help).

8 Process numeric data in Data Table Mode:

- Import or Copy/Paste
- Calculations
- Sort
- Set Precision
- Check numeric data

11

Save EXFOR file or File/New/Save or File/New/Save as

This screenshot is similar to the first one, but with the 'Order', 'Check', and 'Checker' buttons in the toolbar highlighted with red boxes. The 'EXFOR File Structure' pane on the left shows the 'ENTRY' section selected.

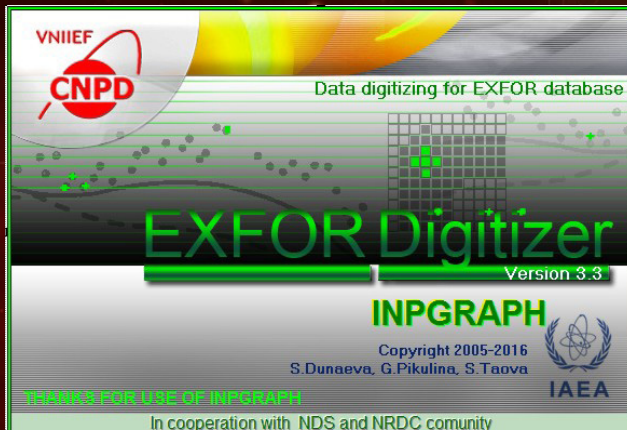
10 Check format and context of EXFOR-file:

Order lines of EXFOR file

- use ZOrder

9

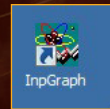
- use ZChex
- Trans Checker or Processing/Check or Processing/Checker



INPGRAPH: QUICK-START TUTORIAL

STEP 1

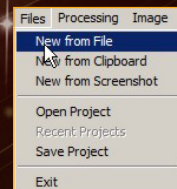
Launch InpGraph



STEP 2

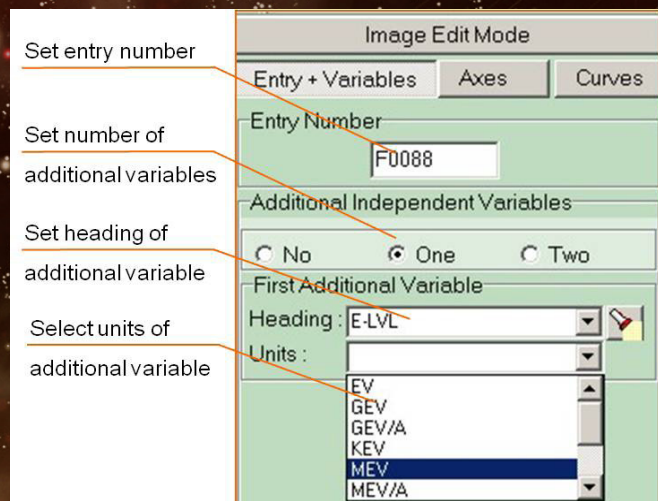
Load image:

- open file
- paste from clipboard
- capture screen area



STEP 3

Define Entry number and additional independent variables



STEP 4

Define axes

Set axis heading

Set axis units

Set axis scale

Click to add axis

Click to set axis direction

Set for automatic mode

Click to input first and last points

Click to calculate axis ticks

Set number of intermediate ticks

STEP 5

Digitize curve

Click to add new curve

Input additional variable value

Select axes from lists

Click to start point input

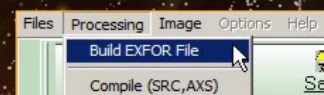
Click to add X error bar

Click to add Y error bar

Click right button to zoom

STEP 6

Build EXFOR file



STEP 7

Enjoy and have a good day