Japanese Editor HENDEL software
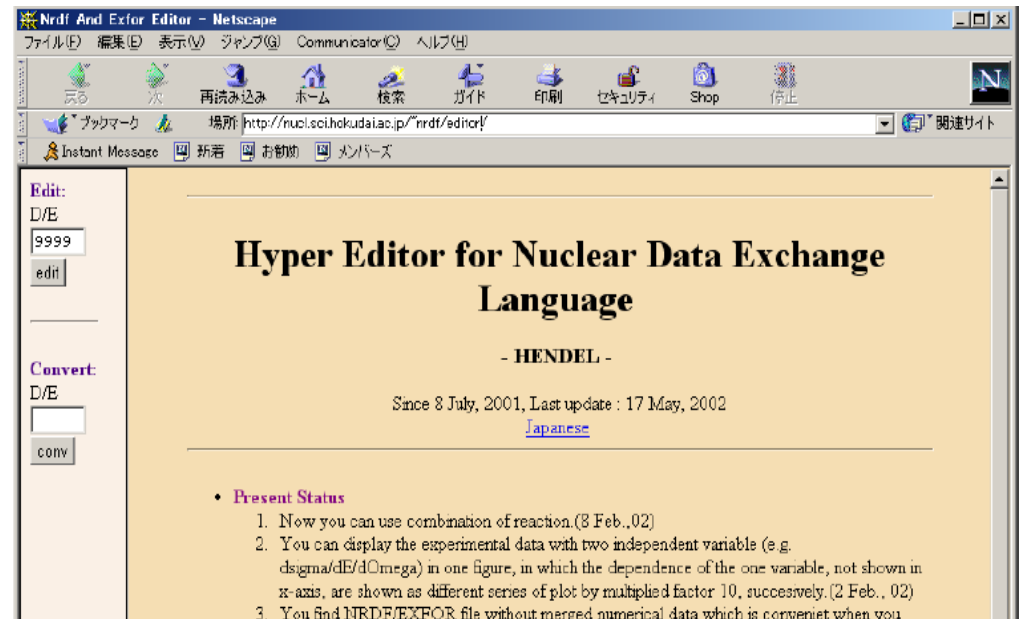
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What is "HENDEL" ?
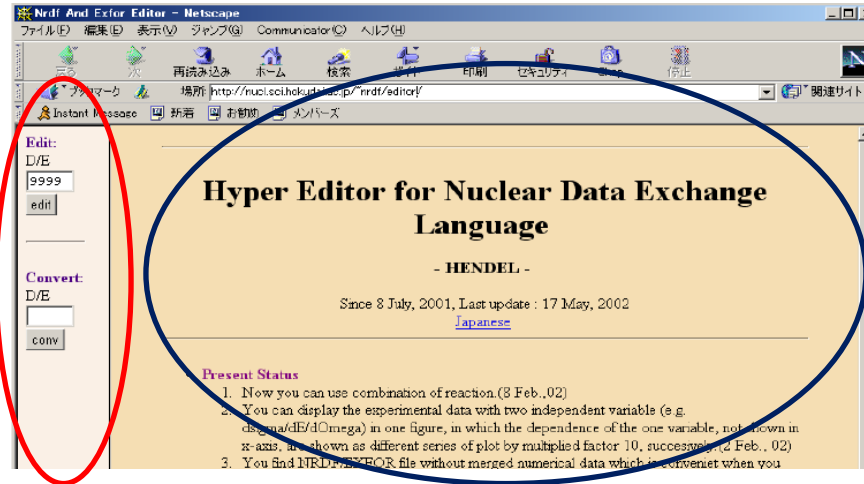
- HENDEL(**H**yper **E**ditor for **N**uclear **D**ata **E**xchange **L**anguage)
- Web-based compilation editor
- EXFOR file & NRDF file
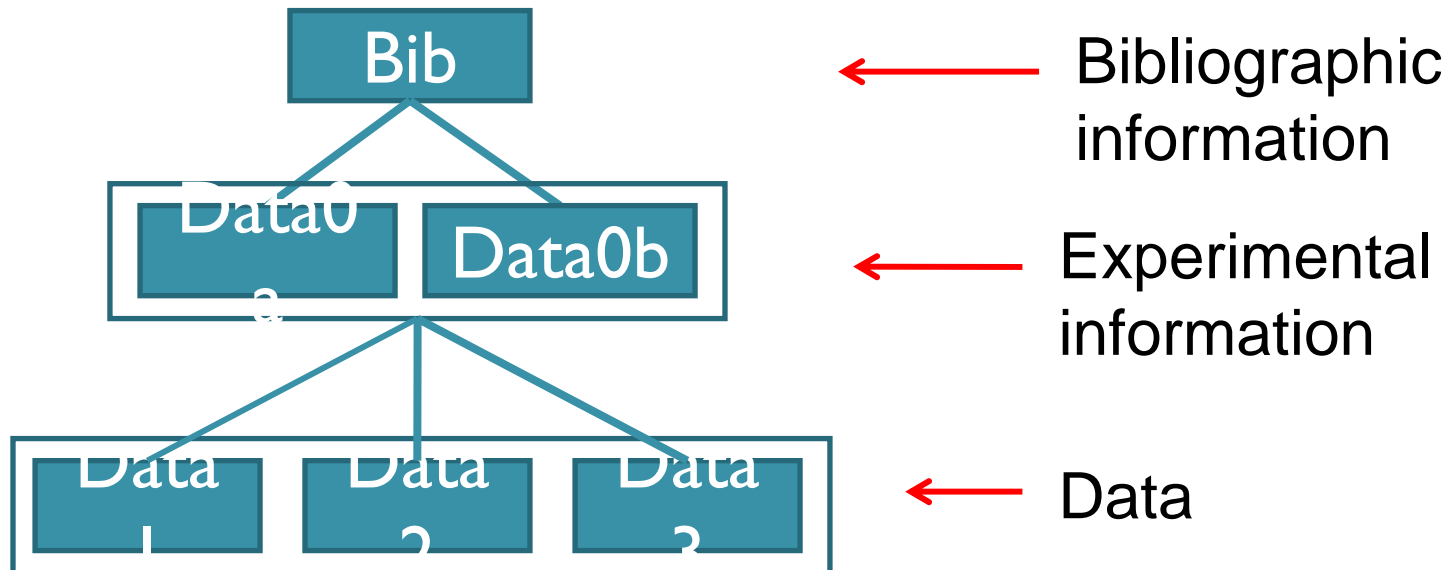- Made by N.Otsuka(2001~)
- Plotting system
- Perl lang.

Overview

Sub frame

Main frame

•Control

•Input

Bib → Bibliographic information

Data0a Data0b → Experimental information

Data1 Data2 Data3 → Data

Main Page

1. D/E number

2. input
- Number of authors
- Number of institutes
- Number of data sets

3. Convert to EXFOR&NRDF

Bibliographic Information

✓Title

✓Purpose (NRDF only?)

✓Authors

✓Institutes

✓Reference

We can chose each code from selection list.

Experimental Info. (A)

Information(A)
=> mainly experimental condition
Reaction
✓Target
✓Projectile
✓Emit.part
✓Residual
Reaction type (NRDF only?)

Experimental Info. (A)

Code list

✓Physical Quantity

✓Target Info.
- Target Enrichment
- Chemical, Physical form
- Target Thickness

✓Accelerator Info.
•Accelerator type
•Incident energy, intensity
•Ion source

✓Detected particle

Experimental Info. (A)

✓Detector
•Detector type
•Detector resolution
•Calibration info.
•Monitor reaction
•Efficiency info.

✓Additional info.
•Analysis
•Approvals
•Figure info
•Table info.
•history

Code list

Experimental Info. (B)

Experimental info.(B)
=>general, error info.

General information
- Compound nucleus
- Intermediate nucleus
- Q value

Total error
- Systematic error
- Statistical error

Normalization

Optical model parameters (NRDF only?)

Experimental Info. (B)

Data heading

- Heading
- Unit
- Comment

DATA section

Numerical data From
✓authors
✓digitized with GSYS
(k.Tsubakihara's talk)
✓table

Input
✓Input data directly
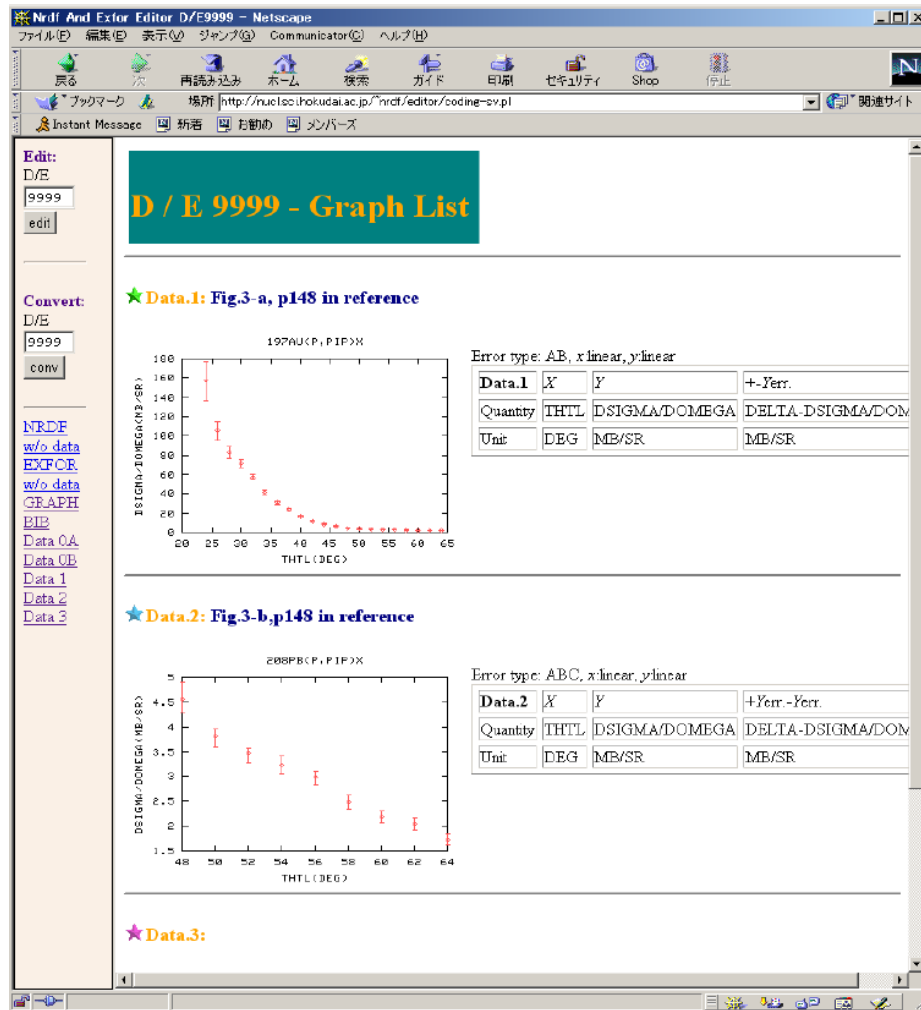✓Copy & paste from data files
✓Read data files directly

Plotting system

It is easy to check…

✓ the numerical data
✓ heading

After the compilation

We push the "convert" button

So, EXFOR & NRDF file are created.

We check the error of the file with CHEN(NRDF) & CHEX(EXFOR) program

Summary

- In Japan, we use "HENDEL" compilation editor.

- This is web-based editor.

- "HENDEL" can create both "EXFOR file" and our original "NRDF file" at the same time.

- It is very easy to use and useful editor.