

Development of Software Package for Input and Editing of Experimental Data in EXFOR Format

Nuclear data compilation into database EXFOR

File Section input Keyword input Edit Processing Tools Help

EXFOR.new file EXFOR.wizard Sort Chart Check Order Renumber Subentries before Ordering

TITLE AUTHOR INSTITUTE REFERENCE FACILITY INC-SOURCE DETECTOR SAMPLE METHOD ANALYSIS ERR-ANALYS REACTION CURRENT EDIT ENTRY TAG

DECAY-DATA HALF-LIFE PART-DET ADD-RES MONITOR MONITOR-REF REL-REF COMMENT CRITIQUE FLAG STATUS

Column: 1 Row: 156 Total: 156 Insert D:\work\Exfor\NewProject\F0931.exf

r0089.exf F0299.EXF F9990.exf F0931.exf d0276_1.EXF

ENTRY	F0931	20080514				F0931	0	1
SUBENT	F0931001	20080514				F0931	1	1
BIB	10	17				F0931	1	2
TITLE	Energy levels of ^{45}Ti excited in the $^{45}\text{Sc}(p,n)^{45}\text{Ti}$ reaction.					F0931	1	3
AUTHOR	(K.V.K.Iyengar, E.Wong, G.C.Neilson)					F0931	1	5
INSTITUTE	(1 CANALA)					F0931	1	6
REFERENCE	(J,NP/A,155,582,1970)					F0931	1	7
FACILITY	(VDG) The 5.5 MV Van de Graaff accelerator was used.					F0931	1	8
DETECTOR	(SCIN) Neutrons were detected by 9 cm diameter by 1.9 cm thick NE213 liquid scintillator optically coupled to an XP1040 photomultiplier. The monitor detector was set at a distance of 2 m at an angle of 30 degr.					F0931	1	9
						F0931	1	10
						F0931	1	11
						F0931	1	12

Errors for D:\work\Exfor\NewProject\F0931.exf

```

CHECK (Version 2000-2) run on 20-May-2009
-----
ENTRY F0931
** Label invalid or missing
   ENTRY      F0931      20080514          F0931  0  1
** Illegal ALTERATION CODE
   INSTITUTE  (1 CANALA)          F0931 11  6
^

** End-of-file found while looking for:  ENTRY
   First pass completed with no fatal errors
1
- Second pass checking -
1          | 12          | 23          | 34          | 45          | 56          | 67
  
```

Comments on Data Quality

CRITIQUE : Gives comments on the quality of the data presented in the data table.

Information Input about Source Reference for Standard Data

MONIT-REF [, A. G. FANTUZZI+, J, JIN, 30, 2017, 1968]

Input of Related Reference Information

REL-REF (C, B9999001, A. B. NAME+, J, XYZ, 5, (2), 90, 197701)

Code Field
Reference Type: A - Reference with which data agree

Information about Particles Detected in Experiment

PART-DET (1-AP-1)

Subaccession# Field
Reference Field
Reference Type: J
Edition (or Code): AH

Number (or Report) Val
Particles: AH - Annihilation radiation

Information about Decay Radiation and Nuclides in Reaction

RAD-DET: (1.) 48-CD-115-G, B-
(2.) 49-IN-115-M, DG

Pointer
 Use Pointer Value: 1 Add Use Flag Flag Value: 1 Add

Nuclide field
H-5 Search Add

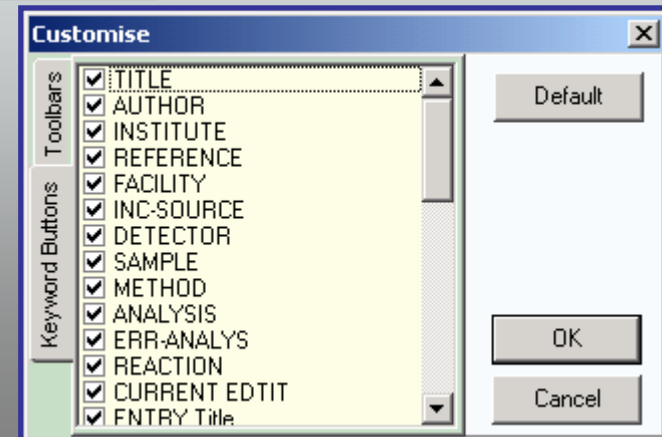
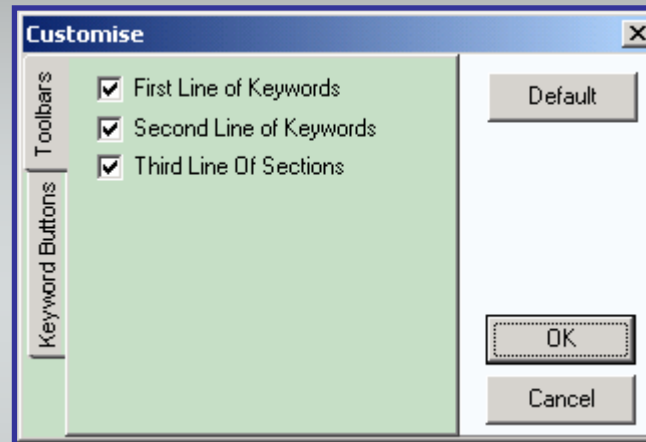
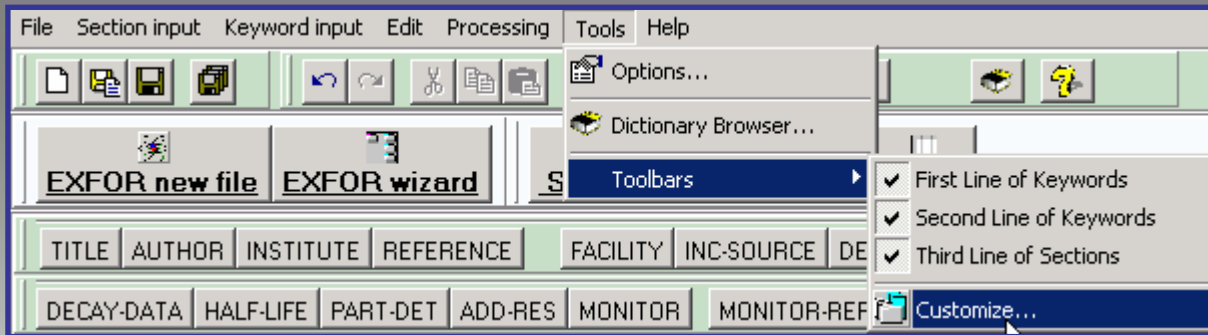
Radiation Field
D - Deuterons Search Add

New RAD-DET Record

Keyword Input Option
 Cursor Position
 End of File
 Current SUBENTRY
 SUBENTRY-001

Current Position: SUBENTRY F0089001_BIB_section

OK Cancel Help EXFOR-Help



VNIIEF

Compilation into EXFOR
Database with Wizard

EXFOR Wizard

Version 1.0

Thanks to S.Dunaeva and
V.Zerkin, IAEA/NDS for ideas,
proposals and testing

Copyright 2009
G.Pikulina, S.Taova



IAEA

Loading...

The screenshot displays the EXFOR-Wizard application window. At the top, the title bar reads "EXFOR-Wizard". Below it, the CNPD logo is visible on the left. The main header area contains the following information:

- Current Entry:** F0777
- Entry Date:** 20.05.2009
- Buttons: **New Entry**, **Export**, **Save**, **View**, and **Exit**.

Below the header, there is a section for "Added Subentry Number" with a value of 5. This section includes buttons for "New Subentry" and "Add Keyword", along with input fields for "ADD-RES" and "Add Keyword".

The main interface is divided into three vertical panels:

- Left Panel:** A list of subentries labeled "SUBENTRY 001" through "SUBENTRY 004".
- Middle Panel:** A "SUBENTRY Structure" menu with the following options:
 - Use BIB Section
 - TITLE** (selected)
 - AUTHOR
 - INSTITUTE
 - REFERENCE
 - HISTORY
 - ADD-RES
 - ANALYSIS
 - DETECTOR
 - Use COMMON Section
 - Use DATA Section
- Right Panel:** A text editor window titled "TITLE" with a toolbar containing "Compress", "Cut", "Undo", "Clear", "Copy", and "Paste". The text area contains the following text:

The giant dipole resonance built on excited $^{113,114}\text{Sn}$ and level densities in the vicinity of the neutron separation energy.

SUBENTRY Structure

Use BIB Section

- TITLE
- AUTHOR**
- INSTITUTE
- REFERENCE
- HISTORY
- ADD-RES
- ANALYSIS
- DETECTOR

Use COMMON Section

Use DATA Section

BIB

AUTHOR

(P.Aagaard,J.K.Aaldijk)

Author Retrieval

Fragment to Find

Author List

<input type="checkbox"/> V.V.Abaev	
<input type="checkbox"/> H.Abaschi	
<input checked="" type="checkbox"/> Y.Abbas	

SUBENTRY Structure

Use BIB Section

- TITLE
- AUTHOR
- INSTITUTE**
- REFERENCE
- HISTORY
- ADD-RES
- ANALYSIS
- DETECTOR

Use COMMON Section

Use DATA Section

INSTITUTE

Code Records

Codes	Free Text
(1CANBUQ, 1CANCAN, 4UZ UZB)	Free text
(1CANMCG, 1CANCRC)	Free Text

Current Code Record

Codes	Free text
1CANBUQ Bishop University, Lennoxville, Quebec	Free text
1CANCAN Canada	
4UZ UZB Inst. Yadernoi Fiziki Uzbekskoi A.N., Tash	

Actions with Codes
Actions with Free Text

Find Code ✕

Code Retrieval

Fragment to Find

USA

Code List

1USAABD - U.S. Army Aberdeen Res.+ Develop.Center, Aberdeen, MD
1USAACC - Exxon Nuclear Idaho Co., ID
1USAAEC - U.S. Atomic Energy Commission, Washington, DC
1USAAFT - Air Force Inst. Technology, Wright-Patterson AFB, OH
1USAAFV - Air Force Weapons Lab., Kirkland AFB, Albuquerque, NM

SUBENTRY Structure

Use BIB Section

- TITLE
- AUTHOR
- INSTITUTE
- REFERENCE
- HISTORY
- ADD-RES
- ANALYSIS
- DETECTOR

Use COMMON Section

Use DATA Section

REFERENCE

Code Record	Free Text
(C,55GENEVA,1212(1212),(1221),20000109)	Free Text
(J,AP,11(22),12,)	Free text
(J,AIP,11(12),33,20041012)	
(J,AEA,11(12),23,)	

Type of Reference

Code	Expansion
C	Conference

Code: 1st UN Conf.Peaceful Uses Atomic Energy, Geneva 1955

Volume: Part: Page: or paper#:

Date

Year (YYYY): Month (MM): Day (DD):

Free Text

SUBENTRY Structure

Use BIB Section

TITLE
AUTHOR
INSTITUTE
REFERENCE
HISTORY
ADD-RES
ANALYSIS
DETECTOR

Use COMMON Section
 Use DATA Section

HISTORY

CodeStr	FreeStr
I (20061202C)	Free

Current History Code

Date
Year: Month: Day:

Action Code
 Complied at the data center

Free Text

SUBENTRY Structure

Use BIB Section

REACTION
STATUS

Use COMMON Section
 Use DATA Section

STATUS

CodeStr	FreeStr
I (RNORM,E0001001)	Free text

Current Status Code

Action Code
 Data renormalized by other than author

Subaccession
Entry Number : Subentry Number :

Free Text

- **support the EXFOR-Editor application**
- **develop the EXFOR-Wizard application**
- **update the EXFOR-Digitizer application**

Thank you!