

VNIIEF

CNPD

Codes ZCHEX for checking EXFOR entries and  
ZORDER for indexing by V.McLane, BNL and  
V.Zerkin, IAEA/NDS are used

Code JANIS Trans Checker for checking EXFOR  
entries by N.Soppera, NEA DB is used

# EXFOR Editor

Compilation into database EXFOR

**Version 1.9**

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G.Pikulina, S.Taova

Thanks to all NRDC community  
for proposals and testing



**EXFOR File Structure**

Column: 1 Row: 1 Total: 557 Insert C:\MyPrograms\Exfor\exf\F0083.exf

- ENTRY F0083
  - SUBENT F0083001
    - BIB
    - COMMON
  - SUBENT F0083002
    - BIB
    - COMMON
  - DATA
  - SUBENT F0083003
    - BIB
    - COMMON
  - SUBENT F0083004
    - BIB
    - COMMON
    - DATA

Column	Row	Total	Insert	C:\MyPrograms\Exfor\exf\F0083.exf
ENTRY	F0083	20041110		F0083 0 1
SUBENT	F0083001	20041110		F0083 1 1
BIB	11	34		F0083 1 2
TITLE	Spectroscopy of 47K and proton core-excitations in 48Ca			F0083 1 3
	from the 48Ca(t,a)47K reaction			F0083 1 4

**EXFOR new file EXFOR wizard**

**Sort Chart Check Order Checker**

**RENUMBER SUBENTRIES BEFORE ORDERING**

**Use 67-88 Columns**

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

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

SUBENTRY001 SUBENTRY001-wizard SUBENTRY SUBENTRY-wizard COMMON DATA C in ENTRY Title (11th Col) C in current SUBENTRY Title (11th Col) C in Whole File

Column: 1 Row: 1 Total: 557 Insert C:\MyPrograms\Exfor\exf\F0083.exf

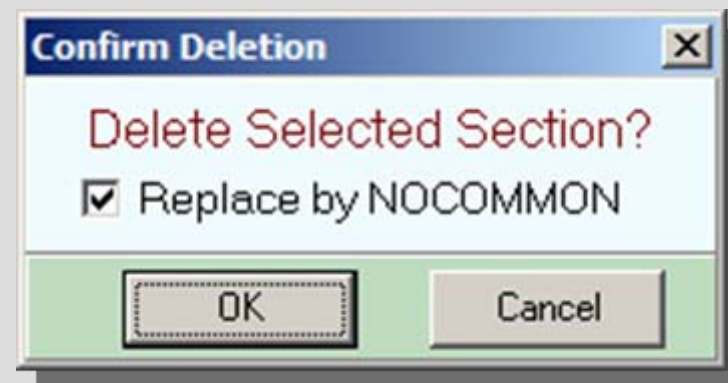
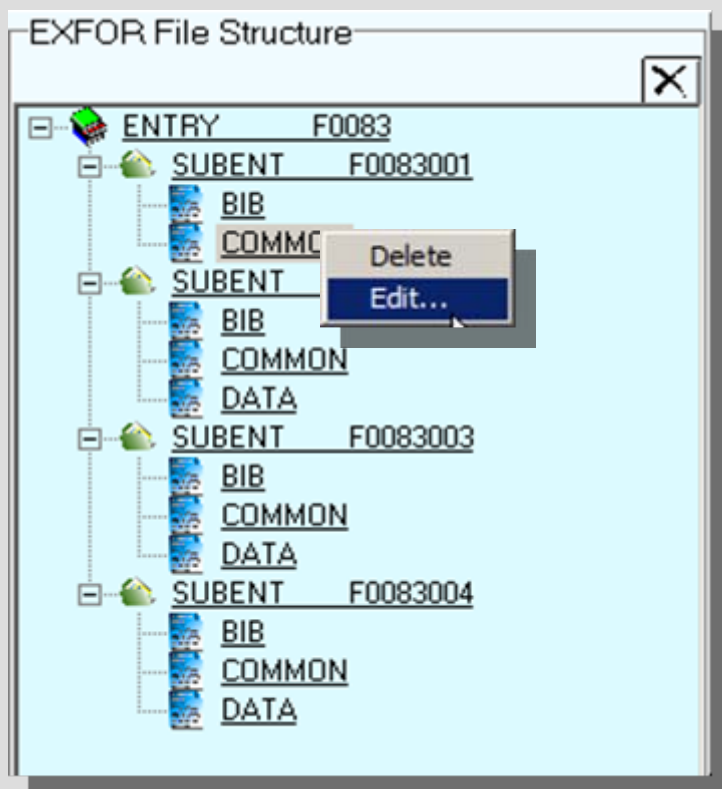
Column	Row	Total	Insert	C:\MyPrograms\Exfor\exf\F0083.exf
ENTRY	F0083	20041110		F0083 0 1
SUBENT	F0083001	20041110		F0083 1 1
BIB	11	34		F0083 1 2
TITLE	Spectroscopy of 47K and proton core-excitations in 48Ca			F0083 1 3
	from the 48Ca(t,a)47K reaction			F0083 1 4
AUTHOR	(C.A.Ogilvie,D.Barker,J.B.A.England,M.C.Mannion, J.M.Nelson,L.Zybert,R.Zybert)			F0083 1 5
INSTITUTE	(2UK BIR)			F0083 1 6
REFERENCE	(J,NP/A,465,445,1987)			F0083 1 7
FACILITY	(VDGT,2UK BIR) NSF tandem accelerator at Daresbury			F0083 1 8
INC-SOURCE	Tritium beam			F0083 1 9
DETECTOR	(TELES,SIBAR SILI) Ten solid Delta-E - E telescopes were used. Each telescope consisted of 120 micron surface barrier silicon Delta-E detector with 5 mm lithium drift			F0083 1 10
	were kept be			F0083 1 11
	time was les			F0083 1 12
	telescope wa			F0083 1 13
	(SOLST) 4 de			F0083 1 14
	target.			F0083 1 15
METHOD	(EDE)			F0083 1 16
MONITOR	Target thick			F0083 1 17

File Section input Keyword input Edit Processing Tools Help

Editor Options... Dictionary Browser... Panels and Toolbars

- EXFOR File Structure
- First Line of Keywords
- Second Line of Keywords
- Third Line of Sections
- Customize...

EXFOR-File Structure



**Editor Options** [X]

Editor Font  
**Courier New** [Change Font] [EXIT]

Isotope and Compound Sort Type  
 By Charge     By Name

Dictionary Option  
 Use Extinct Codes for Searching  
 Use Obsolete Codes for Searching

Insert 'C' Char in Text  
 In 80th position

**Find Text** [X]

Text to Find [Find]

<input type="checkbox"/>	EXT	BTI - B. Tokyo Inst. Techn.
<input type="checkbox"/>	TRA	CA - Chemia Analityczna
<input type="checkbox"/>	TRA	CDP - Cahiers de Physique
<input type="checkbox"/>	TRA	CEC - Ciencia e Cultura
<input type="checkbox"/>	TRA	CHP - Chinese J. of Phys.
<input type="checkbox"/>	TRA	CJC - Can. J. Chem.
<input type="checkbox"/>	TRA	CJP - Can. J. Phys.
<input type="checkbox"/>	EXT	CJR - Can. J. Res.
<input checked="" type="checkbox"/>	EXT	CJR/A - Can. J. Res. A
<input type="checkbox"/>	EXT	CJR/B - Can. J. Res. B
<input type="checkbox"/>	TRA	CL - Chemistry Letters
<input type="checkbox"/>	TRA	CNDP - Comm. Nucl. Data Prog
<input type="checkbox"/>	EXT	CNP - Chin. J. Nucl. Phys.

[Select] [Cancel]

**Dictionary Browser**

All Dictionaries:

- 001 - System Identifiers
- 002 - Information Identifiers
- 003 - Institute Codes
- 004 - Reference Type
- 005 - Journal Codes**
- 006 - Reports
- 007 - Conference Codes
- 008 - Elements
- 009 - Compounds
- 015 - History codes
- 016 - Status codes
- 017 - Related Reference Codes
- 018 - Facility Codes
- 019 - Incident Source Codes
- 020 - Additional Result Codes
- 021 - Method Codes
- 022 - Detector Codes
- 023 - Analysis Codes
- 024 - Data Headings
- 025 - Data Units
- 027 - Nuclides
- 030 - Processes (REACTION SF 3)
- 031 - Branch Codes (REACTION SF 5)
- 032 - Parameters (REACTION SF 6)
- 033 - Particles
- 034 - Modifiers (REACTION SF 8)
- 035 - Data Types (REACTION SF 9)
- 036 - Quantities (REACTION SF 5-8)
- 037 - Result codes
- 042 - CINDA Quantities
- 043 - NLIB for evaluated libraries
- 045 - New CINDA quantities

**Text to Find**

Phys

**Dictionary Context**

TRA	CDP	- Cahiers de Physique
TRA	CHP	- Chinese Journal of Physics (Taiwan)
TRA	CJP	- Canadian Journal of Physics
EXT	CNP	- Chinese J. of Nuclear Physics (Beijing)
TRA	CP	- Chinese Physics
TRA	CPC	- Computer Physics Communications
TRA	AAA	- Astronomy and Astrophysics
TRA	AAF	- Annales Acad. Sci. Fennicae, Series A6: Physica
EXT	ADP	- Annalen der Physik
EXT	AHP	- Acta Physica Hungarica
EXT	AHP/A	- Acta Physica Hungarica A (Heavy Ion Physics)
EXT	AHP/N	- Acta Phys. Hungar. New Series (Heavy Ion Physics)
TRA	AIP	- Advances in Physics
TRA	AJ	- Astrophysical Journal
TRA	AJ/L	- Astrophysical Journal, Letters
TRA	AJ/S	- Astrophysical Journal, Supplement
TRA	AJP	- American Journal of Physics
TRA	ANP	- Annalen der Physik (Leipzig)
TRA	AP	- Annals of Physics (New York)
TRA	APA	- Acta Physica Austriaca
TRA	APH	- Annales de Physique (Paris)
TRA	APL	- Applied Physics Letters
EXT	APP	- Acta Physica Polonica
TRA	APP/A	- Acta Physica Polonica, Part A
TRA	APP/B	- Acta Physica Polonica, Part B
TRA	APPL/A	- Applied Physics A
TRA	APPL/B	- Applied Physics B
TRA	ASI	- Acta Physica Sinica
EXT	ASI/DE	- Acta Physica Sinica (Overseas Edition)

Column: 65 Row: 29 Total: 557 Insert C:\MyPrograms\Exfor\exf\0083.exf SUBENTRY F0083001 BIB section

Column	Row	Total	Insert	File Path	Section
#0083.exf					
				telescope was +-0.3 degree.	F0083 1 17
				(SOLST) 4 solid-state detectors were used to monitor	F0083 1 18
				target.	F0083 1 19
METHOD				(EDE)	F0083 1 20
MONITOR				Target thickness was determined by normalization grid	F0083 1 21
				on elastic data and searching for optimum optical-model	F0083 1 22
				fit at forward angles.	F0083 1 23
				Energy calibration of spectra at forward angles	F0083 1 24
				included 15N peaks originating from 16O in target.	F0083 1 25
				Calibration provided excitation energies of 47K states	F0083 1 26
				used as calibration points for backward angle spectra.	F0083 1 27
				Each run was normalised using integrated beam current	F0083 1 28
				measured in suppressed Faraday cup.	F0083 1 29
ERR-ANALYS				(ERR-T) Total error of absolute cross sections is	F0083 1 30
				mainly due to uncertainty in target thickness	F0083 1 31

EDIT...  
INSERT  
**Case Format**  
Substitute

**Case Format** [X]

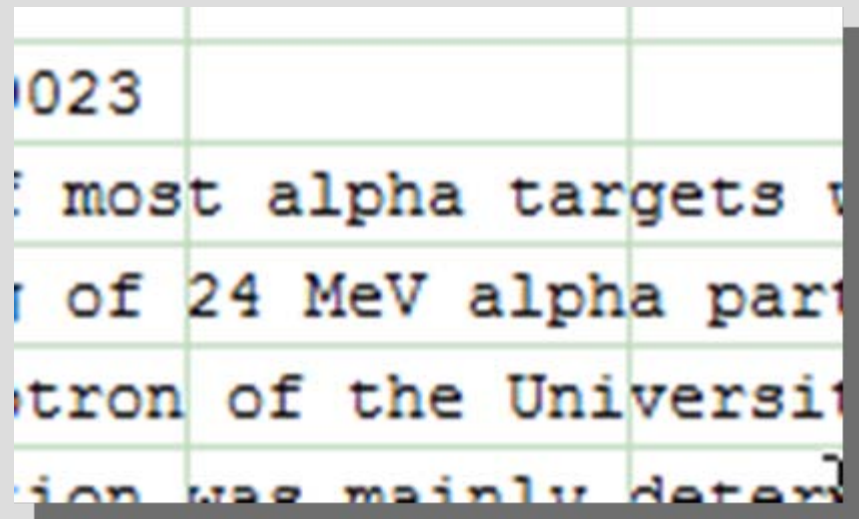
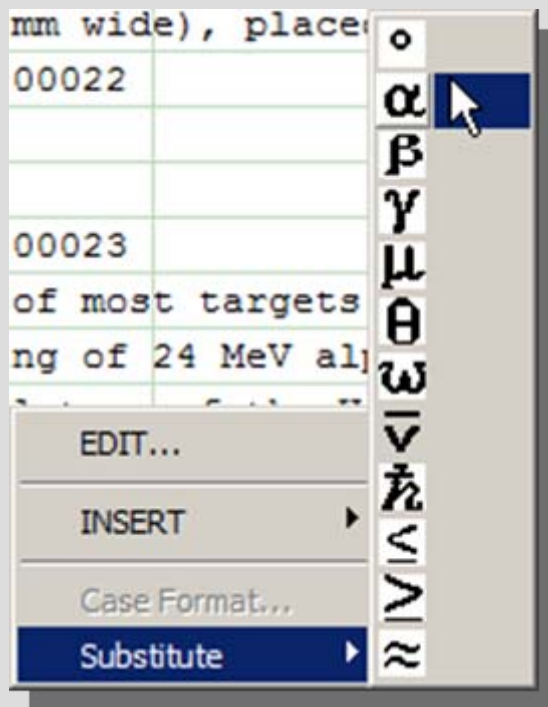
Format Selection

As in sentence.

all lower-case chars

OK  
Cancel

Column	Row	Total	Insert	File Path	Section
#0083.exf					
				telescope was +-0.3 degree.	F0083 1 17
				(SOLST) 4 solid-state detectors were used to monitor	F0083 1 18
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MONITOR				Target thickness was determined by normalization grid	F0083 1 21
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				fit at forward angles.	F0083 1 23
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				<b>CALIBRATION PROVIDED EXCITATION ENERGIES OF 47K STATES</b>	F0083 1 26
				<b>USED AS CALIBRATION POINTS FOR BACKWARD ANGLE SPECTRA.</b>	F0083 1 27
				<b>EACH RUN WAS NORMALISED USING INTEGRATED BEAM CURRENT</b>	F0083 1 28
				measured in suppressed Faraday cup.	F0083 1 29
ERR-ANALYS				(ERR-T) Total error of absolute cross sections is	F0083 1 30
				mainly due to uncertainty in target thickness	F0083 1 31



- Automatic insertion of ENDSUBENT, ENDDATA, ENENTRY
- Editing of NODATA
- Proportionality of fonts



# Optional Use of 67-80 Columns

Use 67-80 Columns

Sort Chart Check Order Checker

FACILITY INC-SOURCE DETECTOR SAMPLE METHOD ANALYSIS ERR-ANALYS REACTION CURRENT EDIT ENTRY Title

RES MONITOR MONIT-REF REL-REF COMMENT CRITIQUE FLAG STATUS

ENTRY SUBENTRY-wizard COMMON DATA 'C' in ENTRY Title (11th Col) 'C' in current SUBENTRY Title (11th Col) 'C' in Whole File

Column: 81 Row: 37 Total: 557

f0083.exf

telescope was  
(SOLST) 4 solid  
target.  
METHOD (EDE)  
MONITOR Target thickness  
on elastic data  
fit at forward  
Energy calibration  
included 15N pe  
CALIBRATION PRO  
USED AS CALIBRA  
EACH RUN WAS NO  
measured in sup  
ERR-ANALYS (ERR-T) Total

Use 67-80 Columns

Sort Chart Check Order Checker

FACILITY INC-SOURCE DETECTOR SAMPLE METHOD ANALYSIS ERR-ANALYS REACTION CURRENT EDIT ENTRY

MONITOR MONIT-REF REL-REF COMMENT CRITIQUE FLAG STATUS

ENTRY SUBENTRY-wizard COMMON DATA 'C' in ENTRY Title (11th Col) 'C' in current SUBENTRY Title (11th Col) 'C' in Whole File

Column: 67 Row: 37 Total: 558

f0083.exf

ENTRY	F0083	20041110				
SUBENT	F0083001	20041110				
BIB	11	34				
TITLE	Spectroscopy of 47K and proton core-excitations in 48Ca from the 48Ca(t,a)47K reaction					
AUTHOR	(C.A.Ogilvie, D.Barker, J.B.A.England, M.C.Mannion, J.M.Nelson, L.Zybert, R.Zybert)					
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DETECTOR	(TELES,SIBAR SILI) Ten solid Delta-E - E telescopes were used. Each telescope consisted of 120 micron					

