

Distribution of whole EXFOR

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Existing distribution of whole EXFOR

1. Standalone EXFOR database retrieval systems

- | | |
|--|-------------------------|
| 1) IAEA-NDS: “EXFOR-CINDA for Windows”: 2000-2019 | /MS-Access /Java |
| 2) IAEA-NDS: “EXFOR-CINDA for Applications”: 2004-2019 | /MySQL /Java/Fortran |
| 3) IAEA-NDS: “X4Lite/X4Apps”: 2020-2021 | /SQLite /Java |
| 4) IAEA-NDS: “X4Pro”: 2022-2023 /trial/ | /SQLite /Python/Fortran |
| 5) NEA: JANIS | /H2 /Java |

2. Download computational EXFOR data text file

- | | |
|--|-------------|
| 1) IAEA-NDS: “XC4/X4” for SG30, Empire/Talys: 2007-2023 | /XC4 /EXFOR |
| 2) IAEA-NDS: “C5/C5M” for SG30, SG50, GANDR: 2014-2023 /trial/ | /C5 /EXFOR |

3. EXFOR-NRDC exchange files

- | | |
|--|---------------------|
| 1) IAEA-NRDC: TRANS/PRELIM working files: 1998-2023 | /EXFOR |
| 2) IAEA-NRDC: EXFOR-Master: 2005 | /EXFOR |
| 3) IAEA-NRDC: EXFOR-DB updates: backup, trans, errors, dict236+: 2005-2023 | /EXFOR/DICT_ARC_NEW |

4. EXFOR for public

- | | |
|--|--------|
| 1) IAEA-NRDC: EXFOR manuals, guide for compilers, checking codes | |
| 2) JCPRG: EXFOR Entries by Areas: 2010-2023 | /EXFOR |

5. EXFOR API

- | | |
|---|-------------------|
| 1) IAEA-NDS: web interface for search/download (for SG50, not documented) | /EXFOR/C4/C5/JSON |
| 2) Java utility for search/retrieve data from local EXFOR database (included to X4Apps) | |

*EXFOR Master file, EXFOR Dictionaries are
not (yet) officially distributed*

Example: XC4/C5 distribution of full EXFOR

1. XC4 for SG30, Empire, Talys codes users (2007-2023)

- Archive with static (fixed) files; after released, file never changed nor removed
- Translates ~60% of EXFOR data to MF.MT
- Includes also X4 files stored in dir/file structure
- Regularly produced with notification of group of users (subscribers)
- ~2018: data with excluded SF9: RECOM, VAL, CALC

2. C5 was initially introduced to present data for constructing covariance matrices

- Initially: added new columns (dSys, dStat, dOther, dTot); later: other options
- Uses extended React-MF-MT table covering ~80% of EXFOR data
- Later: C5M: automatically generated correlation matrix (MERC, SERC, LERC)

#	C5 options (as of 2021). Question/comment: what to distribute?	v1	v2	v3	v4	v5	C5M
1	Convert RR to MB/SR (MF4)	✓	✓	✓	✓	✓	✓
2	Process unknown MT (set MT=0)	✓	✓	✓	✓	✓	✓
3	Convert C.M. to Lab. (for MT4)			✓		✓	
4	Replace Q-Value by E-Level		✓	✓	✓	✓	
5	Reset MT51, MT601, ... by MT+iLevel (for partial reactions)		✓	✓	✓	✓	
6	Auto-renormalize using modern monitor data				✓	✓	
7	Auto-renormalize using modern decay data					✓	
8	Sort C5 file		✓	✓	✓	✓	
9	Generate C5M						✓

NRDC-2022: “For discussion”

1. Translated from EXFOR: almost 100%

Table Name ▲	Engine	Rows	Data length	Index len...	Update time
x4data_dat	MyISAM	18711910	2.6 GB	363.1 MB	2021-04-29 22:53:44
x4data_ds	MyISAM	176380	17.5 MB	2.7 MB	2021-04-29 22:53:44
x4data_hdr	MyISAM	1415025	92 MB	23.2 MB	2021-04-29 22:53:44

2. Having access to extended EXFOR relational database with data points:

- 1) user does not need EXFOR converter software
- 2) we can analyse whole database and find some mistakes

Current NDS options for EXFOR off-line data distribution

#	Database	EXFOR	Data storage	Computational data	Search	Comments
1	Relational	Yes	BLOB/Subent	generated on the fly*	SQL	CD-ROMs, X4Apps, X4Lite
2	XC4 file	No**	XC4/Dataset	part of C4		SG30, since 2007, regular
3	XC5 file	No	C5/Dataset	part of C5		NDS/SG50, testing
4	Relational	Yes/No	JSON/exp.point	part of JSON	SQL	Tested, source for user's defined JSON
5	JSON files	No	JSON/Entry	part of JSON		Under development, source for NoSQL db

* C5, XML, JSON, Html, produced by Java codes x4toc5, x4toxml, x4to1json, x4tox4plus

** Optionally distributed: EXFOR by files (Entry per file)

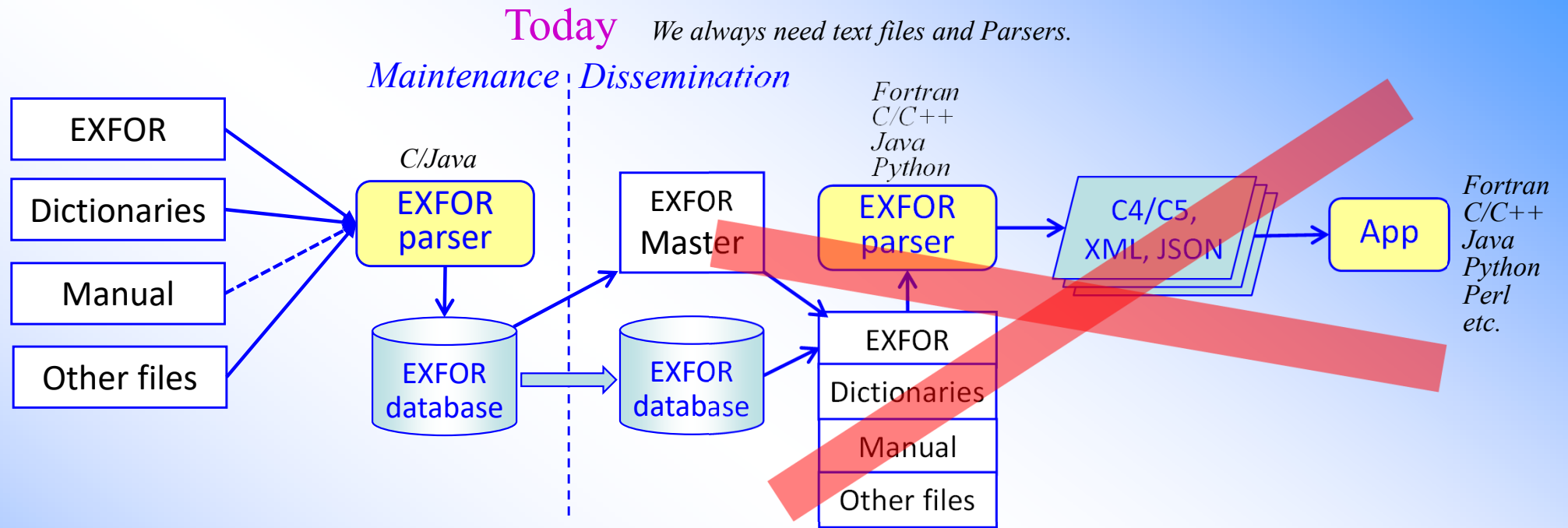
Q: NRDC policy for off-line EXFOR data distribution



Version of Master file (date + web-link to source), acknowledgment database source: NRDC, version of dictionaries if used, licence type (?), authorized as “trusted repackaging”, etc.

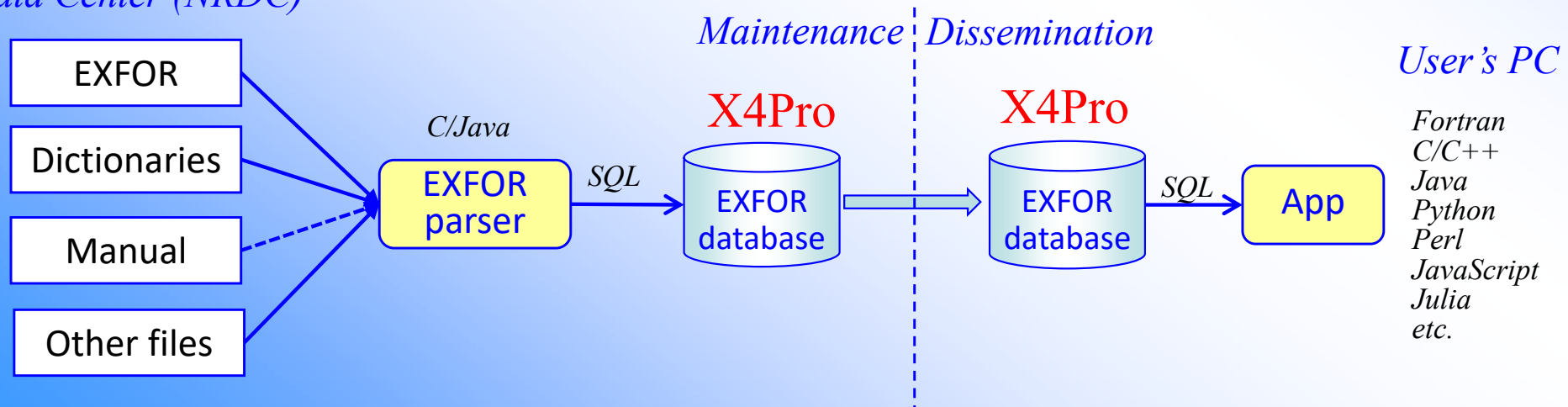
Key point of X4Pro

X4Pro makes every data point, dataset, entry, meta-data directly accessible via SQL commands



Tomorrow *We can have relational database as source for users.*

Data Center (NRDC)



Before we do distribution of whole EXFOR

1. Define purpose

- 1) EXFOR/NRDC efforts to be acknowledged
- 2) To be correctly sited, e.g. using DOI system (whole version of library or given Entry?)
- 3) To improve maintenance, keep versions in independent storage place
- 4) What else?

2. Define users (and their needs)

- 1) Organization: projects to build on whole EXFOR contents
- 2) New research build on basis of AI (including students' projects)

3. Define contents and formats

- 1) Whole library in EXFOR format (Master file) together with current Dictionaries and Manual
- 2) Processed purely experimental part of the library in computational formats (C4/C5/CSV/JSON/XML)

4. Define period

- 1) Store and keep all versions after every database update
- 2) Store last version of the data + fixed content of whole library at the end of every year (for reference)

5. Define media/place for storage

- 1) EXFOR-Archive on IAEA-NDS public server as it is done now for ENDF-Archive and IBANDL-Archive
- 2) GIT-Hub
- 3) NRDC data centers (NNDC, NEA): to organize public and private storage

*These options and questions could be discussed on
present meeting NRDC-2023*

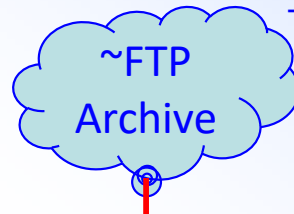
Implementation of data versioning: options

Option-1



Implemented in 2014 includes PRELIM

Option-2



- Fixed: EXFOR, Dictionaries, Documentation, Interpreted: JSON/XML/C4/C5/C5M X4Pro, [Janis], etc.
- setup DOI

Option-3



- Structure: 123/12345.x4
1/123/12345.x4
12/123/12345.x4
- Entry or Subentry
- Timestamp (real)
- Comment (informative)

n	Acc#	1st	Author	Year	Ref
1)	A1495	[9]	1956 J.P.Schiffer+		
1) [pdf]+ Jour: Physical Review, Vol.104, Study of the Reaction Mechanism for J.P.Schiffer, T.W.Bonner, R.H.Davis, F.					
1	A1495002				

EXFOR-Archive			
Name	Last modified	Size	Description
Parent Directory		-	
EXFOR-2005-09-14/	2023-03-28 09:42	-	
EXFOR-2023-03-15/	2023-03-30 08:36	-	
EXFOR-2023-04-29/	2023-05-03 16:48	-	
LICENSE.TXT	2023-03-08 15:27	516	
README.TXT	2023-03-08 15:26	2.4K	

zzerkin / EXFOR-Archive Public

Code Issues Pull requests Actions Projects Security Insights

master EXFOR-Archive / EXFOR /

zzerkinv /CNPD/ F094:20230309 (20230126A) Corrections were done in Sub 007, 008. ...

Commit	Path	Message	Time
1	/NNDC/ 1501:20230301 (20220423A)	S.H. Included subentries 11-20	8 months ago
2	/NEA-DB/ 2311:20220723 (20211208A)	On. 005 added.	10 months ago
3	/NDS/ 3208:20230119 (20220909C)	VT	8 months ago
4	/CJD/ 4209:20230227 (20221124A)	Subents 017-022 were deleted, da...	6 months ago
A	/CNPD/ A103:20221222 (20220817U)	On. DETECTOR deleted.	9 months ago
O00	/NEA-DB/ O090:20221004 (20220817U)	On. AUTHOR: Upper to upper...	9 months ago
O01	/NEA-DB/ O090:20221004 (20220817U)	On. AUTHOR: Upper to upper...	9 months ago
O0700.x4	/NEA-DB/ O063:20180128 (20170826U)	SD: Syntax in REL-REF correct...	6 ye
O0701.x4	/NEA-DB/ O090:20221004 (20220817D)	On. Deleted. Transferred to E...	9 mor
O0704.x4	/NEA-DB/ O063:20180128 (20170826U)	SD: Syntax in REL-REF correct...	6 ye
O0705.x4	/NEA-DB/ O054:20150707 (20120604U)	SD: BIB update. ERR-T chang...	8 ye
O0706.x4	/NEA-DB/ O048:20120918 (20120520U)	SD: ref. on transl. corrected. B...	11 ye

EXFOR Updates and Archives

ENTRY: A1495

#	Entry	Entry-N2	nsub:lines:data
(1)	A1495	20140226	7:990:834
(2)	A1495	20120410	11:1440:1214
(3)	A1495	20031013	11:1434:1214
Archival data			
(4)	A1495	20031013	11:1434:1214
(5)	A1495	19990324	11:1431:1214
(6)	A1495	970822	11:1433:1214
(7)	A1495	20031013	11:1434:1214
(8)	A1495	970822	11:1433:1214
(9)	A1495	19990324	11:1431:1214

Name	Last modified	Size	Description
Parent Directory		-	
EXFOR-NRDC/	2023-04-29 16:35	-	
EXFOR-x4/	2023-05-02 16:40	-	
EXFOR-x5json/	2023-05-03 08:02	-	
EXFOR-xc4/	2023-05-03 08:06	-	
EXFOR-xc5/	2023-05-03 16:40	-	
X4Pro/	2023-05-04 08:25	-	

Name	Last modified	Size	Description
Parent Directory		-	
commit2git.sh	2023-03-08 00:00	2.8M	
EXFOR-20230429-x4.tto.txt	2023-05-02 15:34	5.0M	
EXFOR-20230429-x4.zip	2023-05-02 15:38	214M	
EXFOR-Entries.csv	2023-03-08 00:00	5.4M	
EXFOR-Entries.js	2023-03-08 00:00	7.6M	
EXFOR-Entries.json	2023-03-08 00:00	7.6M	

Option-1: existing version control system

1. EXFOR-Archive in EXFOR-Relational database

- 1) 3 tables: x4arc_file, x4arc_entry, x4arc_subnet (WP2014-32)
- 2) storing: initial master file and all TRANS files after merging; every existing TRANS (from VMS and another old computers), versions of CD-ROMs (from 90's), versions from Data Centers before merging, etc.

2. Web interface

- 1) History of ENTRY, SUBENT
- 2) Multiple comparison
- 3) Get retro contents of ENTRY/SUBENT
- 4) Opened for public on request from SG50

ENTRY: A1495

#	Entry	Entry-N2	nsub:lines:data	Author1	Year	Reference1	Comment	File-ID	File-Name	Trans-N2	TransID
(1)	A1495	20140226	7:990:834	J.P. Schiffer	1956	J,PR,104,1064,1956	Official TRANS file	TRN-A080 #249	trans.a080	20140331	A080
(2)	A1495	20120410	11:1440:1214	J.P. Schiffer	1956	J,PR,104,1064,1956	Official TRANS file	TRN-A078 #232	trans.a078	20130409	A078
(3)	A1495	20031013	11:1434:1214	J.P. Schiffer	1956	J,PR,104,1064,195611	Initial Common EXFOR Master file, 2005	Master-0	EXFOR20050616.BCK	20050616	0000
Archival data											
(4)	A1495	20031013	11:1434:1214	J.P. Schiffer	1956	J,PR,104,1064,195611	TRANS file before merging (NDS,VMS)	TRN-A057 #0	TRANS.A057	20040213	A057
(5)	A1495	19990324	11:1431:1214	J.P. Schiffer	1956	J,PR,104,(11),1064,195611	TRANS file before merging (NDS,VMS)	TRN-A009 #0	trans.a009_new	19990324	A009
(6)	A1495	970822	11:1433:1214	J.P. Schiffer	1956	J,PR,104,(11),1064,5611	TRANS file before merging (NDS,VMS)	TRN-A041 #0	ta041.exf	970924	A041
(7)	A1495	20031013	11:1434:1214	J.P. Schiffer	1956	J,PR,104,1064,195611	Merge-project, NNDC-BNL, 2005-03-15	BNL2005		0	
(8)	A1495	970822	11:1433:1214	J.P. Schiffer	1956	J,PR,104,(11),1064,5611	Merge-project, F.Chukreev, CAJaD, Area:A, 2002-06-07	RU2002		0	
(9)	A1495	19990324	11:1431:1214	J.P. Schiffer	1956	J,PR,104,(11),1064,195611	IAEA-NDS, CD-ROM, 2001.01.09	CD2001		0	

SUBENT: A1495* show extended info

#	Subentry	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		TRN-A080	TRN-A078	Master-0	TRN-A057	TRN-A009	TRN-A041	BNL2005	RU2002	CD2001
1	A1495001 [cmp]	2014-02-26 lines:21	2012-04-10 lines:25	2003-10-13 lines:24	2003-10-13 lines:24	1999-03-24 lines:24	1997-08-22 lines:23	2003-10-13 lines:24	1997-08-22 lines:23	1999-03-24 lines:24
2	A1495002 [cmp]	2014-02-26 lines:226 data:3×201 3-LI-6	2012-04-10 lines:225 data:3×201 3-LI-6	2003-10-13 lines:225 data:3×201 3-LI-6	2003-10-13 lines:225 data:3×201 3-LI-6	1999-03-24 lines:224 data:3×201 3-LI-6	1997-08-22 lines:225 data:3×201 3-LI-6	2003-10-13 lines:225 data:3×201 3-LI-6	1997-08-22 lines:225 data:3×201 3-LI-6	1999-03-24 lines:224 data:3×201 3-LI-6
3	A1495003 [cmp]	2014-02-26 lines:216 data:3×191 3-LI-6	2012-04-10 lines:215 data:3×191 3-LI-6	2003-10-13 lines:215 data:3×191 3-LI-6	2003-10-13 lines:215 data:3×191 3-LI-6	1999-03-24 lines:214 data:3×191 3-LI-6	1997-08-22 lines:215 data:3×191 3-LI-6	2003-10-13 lines:215 data:3×191 3-LI-6	1997-08-22 lines:215 data:3×191 3-LI-6	1999-03-24 lines:214 data:3×191 3-LI-6
4	A1495004 [cmp]		2012-04-10 lines:113 data:5×95 3-LI-6	2003-10-13 lines:108 data:5×95 3-LI-6	2003-10-13 lines:108 data:5×95 3-LI-6	1999-03-24 lines:112 data:5×95 3-LI-6	1997-08-22 lines:108 data:5×95 3-LI-6	2003-10-13 lines:108 data:5×95 3-LI-6	1997-08-22 lines:108 data:5×95 3-LI-6	1999-03-24 lines:112 data:3×95 3-LI-6

Multiple comparison using archive in the database

EXFOR Updates and Archives

SUBENT: A1495004

#	File-ID	Upd	Comment
(1)	<input checked="" type="checkbox"/> TRANS-A078	232	Official TRANS file
(2)	<input checked="" type="checkbox"/> Master-0		Initial Common EXFOR Master file, 2005
(3)	<input checked="" type="checkbox"/> TRANS-A057		TRANS file before merging (NDS,VMS)
(4)	<input checked="" type="checkbox"/> TRANS-A009		TRANS file before merging (NDS,VMS)
(5)	<input checked="" type="checkbox"/> TRANS-A041		TRANS file before merging (NDS,VMS)
(6)	<input checked="" type="checkbox"/> BNL2005		Merge-project, NNDC-BNL, 2005-03-15
(7)	<input checked="" type="checkbox"/> RU2002		Merge-project, F.Chukreev, CAJaD, Area:A, 2002-06-07
(8)	<input checked="" type="checkbox"/> CD2001		IAEA-NDS, CD-ROM, 2001.01.09

Legend:

Line	Next version	Previous version
Same line:	Same text* →	← Same TEXT*
Diff. line:	Same text, different text →	← Same text; another text

*Note. Text is treated as case-insensitive.

Compare only selected items [\[here\]](#)

SUBENT: A1495004

TRANS-A078				Master-0				TRANS-A057				TRANS-A009				
ENTRY	A1495	20120410		ENTRY	A1495	20031013	20040322	ENTRY	A1495	20031013		ENTRY	A1495	19990324		
SUBENT	C	A1495001	20120410	SUBENT	A1495001	20031013	20040322	SUBENT	A1495001	20031013		SUBENT	A1495001	19990324		
BIB	10	16		BIB	10	15		BIB	10	15		BIB	10	15		
TITLE	Study of the reaction mechanism for (He3,P) reactions with Li-6,B-10 and C-13			Study of the reaction mechanism for (He3,P) reactions with Li-6,B-10 and C-13				Study of the reaction mechanism for (He3,P) reactions with Li-6,B-10 and C-13				Study of the reaction mechanism for (He3,P) reactions with Li-6,B-10 and C-13				
AUTHOR	(J.P.Schiffer,T.W.Bonner,R.H.Davis,F.W.Prosser Jr)			(J.P.Schiffer,T.W.Bonner,R.H.Davis,F.W.Prosser, Jr.)				(J.P.Schiffer,T.W.Bonner,R.H.Davis,F.W.Prosser, Jr.)				(J.P.Schiffer,T.W.Bonner,R.H.Davis,F.W.Prosser, Jr.)				
INSTITUTE	(IUSARIC)			(IUSARIC)				(IUSARIC)				(IUSARIC)				
REFERENCE	(J,PR,104,1064,1956)			(J,PR,104,1064,195611)				(J,PR,104,1064,195611)				(J,PR,104,11),1064,195611)				
FACILITY	(VDG,IUSARIC)			(VDG)				(VDG)				(VDG)				
SAMPLE	Target materials were evaporated on 2-mil foil backing, thick enough to stop the He-3 beam yet thin compared to the range of the proton groups studied			Target materials were evaporated on 2-mil foil backing, thick enough to stop the He-3 beam yet thin compared to the range of the proton groups studied				Target materials were evaporated on 2-mil foil backing, thick enough to stop the He-3 beam yet thin compared to the range of the proton groups studied				Target materials were evaporated on 2-mil foil backing, thick enough to stop the He-3 beam yet thin compared to the range of the proton groups studied				
METHOD	(PHD)			(PHD)				(PHD)				(PHD)				
DETECTOR	(SCIN) Thallium-activated CsI crystals mounted on DuMont 6291 photomultiplier tubes.			(SCIN) Thallium-activated CsI crystals mounted on DuMont 6291 photomultiplier tubes.				(SCIN) Thallium-activated CsI crystals mounted on DuMont 6291 photomultiplier tubes.				(SCIN) Thallium-activated CsI crystals mounted on DuMont 6291 photomultiplier tubes.				
INC-SOURCE	*EN-RSL*. The pulse-height resolution of the detectors (19800811C) Compilation produced by Arzamas RFNC-VNIIEF (20120410A). Corrections were made according Naohiko comments and new exfor rules-SB			ERR-ANALYS (DATA-ERR2) The pulse-height resolution of the detectors (19800811C) Compilation produced by Arzamas RFNC-VNIIEF (20031013U) Last checking has been done.				ERR-ANALYS (DATA-ERR2) The pulse-height resolution of the detectors (19800811C) Compilation produced by Arzamas RFNC-VNIIEF (20031013U) Last checking has been done.				ERR-ANALYS (DATA-ERR2) The pulse-height resolution of the detectors (19800811C) Compilation produced by Arzamas RFNC-VNIIEF (19990321U) CNPD: corrected 4-d				
HISTORY																
ENDBIB	16	0		ENDBIB	15	3		ENDBIB	15	3		ENDBIB	15	0		
COMMON	1	3		COMMON	1	3		COMMON	1	3		COMMON	1	3		
EN-RSL				DATA-ERR2				DATA-ERR2				DATA-ERR2				
PER-CENT	4.			PER-CENT	4.			PER-CENT	4.			PER-CENT	4.0			
ENDCOMMON	3	0		ENDCOMMON	3			ENDCOMMON	3			ENDCOMMON	3	0		
ENDSUBENT	23	0		ENDSUBENT	22			ENDSUBENT	22			ENDSUBENT	22	0		
<hr/>																
SUBENT	C	A1495004	20120410	SUBENT	A1495004	20031013	20040322	SUBENT	A1495004	20031013		SUBENT	A1495004	19990324		
BIB	4	5		BIB	3	4		BIB	3	4		BIB	3	4		
REACTION	(3-LI-6(HE3,P)4-BE-8,PAR,DA,,REL)			(3-LI-6(HE3,P)4-BE-8,DA,,REL)				(3-LI-6(HE3,P)4-BE-8,DA,,REL)				(3-LI-6(HE3,P)4-BE-8,DA,,REL)				
ERR-ANALYS	(ANG-ERR-D) Digitizing error (ERR-DIG) Digitizing error (CURVE) Fig 2 of J,PR,104,1064,1956 (E-LVL,4-BE-8)			(ANG-ERR) Digitizing error (DATA-ERR) Digitizing error (CURVE) Fig 2				(ANG-ERR) Digitizing error (DATA-ERR) Digitizing error (CURVE) Fig 2				(ANG-ERR) Digitizing error (DATA-ERR) Digitizing error (CURVE) Fig 2				
STATUS																
EN-SEC																
ENDBIB	5	0		ENDBIB	4			ENDBIB	4			ENDBIB	4	0		
COMMON	1	3		NOCOMMON				COMMON	2	3		COMMON	2	3		
E-LVL				DATA	5	95		DATA	5	95		DATA	5	95		
MEV				EN	ANG-CM	ANG-ERR	DATA-CM	DATA-ERR	ANG-CM	ANG-ERR	DATA-CM	DATA-ERR	ANG-CM	ANG-ERR	DATA-CM	
				MEV	ADEG	ADEG	ARB-UNITS	ARB-UNITS	ADEG	ADEG	ARB-UNITS	ARB-UNITS	ADEG	ADEG	ARB-UNITS	
				1.	10.13	1.323	3.643	0.1457	1.	10.13	1.323	3.643	0.1457	1.	10.13	3.643
				1.	18.57	1.323	3.194	0.1457	1.	18.57	1.323	3.194	0.1457	1.	18.57	3.194
				1.	29.09	1.323	3.2	0.1457	1.	29.09	1.323	3.2	0.1457	1.	29.09	3.2
				1.	39.61	1.323	3.206	0.1457	1.	39.61	1.323	3.206	0.1457	1.	39.61	3.206
				1.	48.03	1.323	3.211	0.1457	1.	48.03	1.323	3.211	0.1457	1.	48.03	3.211
				1.	58.54	1.323	3.444	0.1457	1.	58.54	1.323	3.444	0.1457	1.	58.54	3.444
				1.	69.09	1.323	2.996	0.1457	1.	69.09	1.323	2.996	0.1457	1.	69.09	2.996
				1.	79.6	1.323	3.343	0.1457	1.	79.6	1.323	3.343	0.1457	1.	79.6	3.343
				1.	89.09	1.323	2.781	0.1457	1.	89.09	1.323	2.781	0.1457	1.	89.09	2.781
				1.	96.46	1.323	2.785	0.1457	1.	96.46	1.323	2.785	0.1457	1.	96.46	2.785

Option-2: EXFOR Archive

EXFOR-Archive			
Name	Last modified	Size	Description
Parent Directory		-	
EXFOR-2005-09-14/	2023-03-28 09:42	-	
EXFOR-2023-03-15/	2023-03-30 08:36	-	
EXFOR-2023-04-29/	2023-05-03 16:48	-	
LICENSE.TXT	2023-03-08 15:27	516	
README.TXT	2023-03-08 15:26	2.4K	

EXFOR-Archive: EXFOR Library through its history
IAEA-NDS, 2005-2023, version 2023-03-08

EXFOR - Experimental Nuclear Reaction Data Library

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- Created once a year (at the end of year), called, for example: EXFOR-2021
- Since created, never changed
- Linked via DOI like: 10.18139/nrdc.exfor/2021
- Located at IAEA server (can be duplicated or moved later to another place)

Maintained separately from NRDC
TRANS/PRELIM/backup area

EXFOR-NRDC: total 225M
225M Apr 29 18:35 EXFOR-2023-04-29.zip
746K Dec 24 07:33 dicts-2022-12-24.zip

EXFOR-x4: total 243M
5.0M May 2 17:34 EXFOR-20230429-x4.tto.txt
215M May 2 17:38 EXFOR-20230429-x4.zip
5.5M Mar 8 01:00 EXFOR-Entries.csv
7.6M Mar 8 01:00 EXFOR-Entries.js
7.6M Mar 8 01:00 EXFOR-Entries.json
2.8M Mar 8 01:00 commit2git.sh

EXFOR-x5json: total 681M
17M May 2 20:29 EXFOR-20230429-x5json.tto.txt
622M May 2 20:31 EXFOR-20230429-x5json.zip
20M Mar 8 01:00 EXFOR-Datasets.csv
5.5M Mar 8 01:00 EXFOR-Entries.csv
7.6M Mar 8 01:00 EXFOR-Entries.js
7.6M Mar 8 01:00 EXFOR-Entries.json
2.8M Mar 8 01:00 commit2git.sh

EXFOR-xc4: total 394M
1.2K May 3 05:45 C4-2023-05-02.xc4.readme
33M May 3 05:45 C4-2023-05-02.xc4.tbl
134M May 3 05:45 C4-2023-05-02.zip
228M May 3 05:47 X4-2023-05-02.zip
6.5K May 3 10:05 readme.txt

EXFOR-xc5: total 242M
438 May 3 15:28 EXFOR-EXP-2023-05-03-v2.c5.readme
26M May 3 17:36 EXFOR-EXP-2023-05-03-v2.c5.tto
216M May 3 17:37 EXFOR-EXP-2023-05-03-v2.c5.zip

X4Pro: total 6.0G
1.3K May 3 16:06 db_tables.count-a
1.4K May 3 18:30 db_tables.count-b
1.3K May 3 18:43 db_tables.count-c
426M Mar 29 18:15 x4pro1-trial-20230329-mini.zip
368M May 3 16:07 x4sqlite-20230503-a.zip
2.3G May 3 18:36 x4sqlite-20230503-b.zip
3.0G May 3 18:52 x4sqlite-20230503-c.zip

vzerkin / EXFOR-Archive Public

Notifications Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Security Insights

master EXFOR-Archive / EXFOR / Go to file

zerkinv /CNPD/ F094:20230309 (20230126A) Corrections were done in Sub 007, 008. on Jan 26 History

1	/NNDC/ 1501:20230301 (20220423A) S.H. Included subentries 11-20	8 months ago
2	/NEA-DB/ 2311:20220723 (20211208A) On. 005 added.	10 months ago
3	/NDS/ 3208:20220119 (20220909C) VT	8 months ago
4	/CJD/ 4209:20230201 (20220909C) VT	8 months ago
A	/CNPD/ A103:20220119 (20220909C) VT	8 months ago
B	/KACHAPAG/ B034:20220119 (20220909C) VT	8 months ago
C	/NNDC/ C220:20220119 (20220909C) VT	8 months ago
D	/ATOMKI/ D137:20220119 (20220909C) VT	8 months ago

Folder	O00	/NEA-DB/ O090:20221004 (20220817U) On. AUTHOR: Upper to upper...	9 months ago
Folder	O01	/NEA-DB/ O090:20221004 (20220817U) On. AUTHOR: Upper to upper...	9 months ago
Folder	O02	/NEA-DB/ O090:20221004 (20220817U) On. DETECTOR and METHOD ...	9 months ago
Folder	O03	/NEA-DB/ O090:20221004 (20220817U) On. AUTHOR, INSTITUTE and ...	9 months ago

File	O0700.x4	/NEA-DB/ O063:20180128 (20170826U) SD: Syntax in REL-REF correct...	6 years ago
File	O0701.x4	/NEA-DB/ O090:20221004 (20220817D) On. Deleted. Transferred to E...	9 months ago
File	O0704.x4	/NEA-DB/ O063:20180128 (20170826U) SD: Syntax in REL-REF correct...	6 years ago

Option-3: GIT-Hub

- Final purpose: materials to make EXFOR quality better
- Oriented to compilers/managers/advanced users
- If so:
 - Should have correct Timestamp (N2 of ENTRY)
 - Informative comment, e.g. last HISTORY record
- Options:
 - ENTRY/SUBENT +JSON
 - Dir/Subdir structure 1/2/3 levels
 - Listing CSV, JSON

Should not have link to NRDC
working materials like:
TRANS/PRELIM/backup area

Thank you.