

Integration of the X4+ Converter Code into the EXFOR-Editor

A66

May 06-09, 2014, Smolenice, Slovak Republic

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- Looks like original EXFOR with some extensions given by coloured text
- Extended part appears at the end of keyword section in separate lines starting from position 12 and symbol
- Right columns of original EXFOR file are eliminated (ENTRY, Subent, Line#)
- Contains explanation of used code words
- Contains a source link
- No limit of the line size
- Data are not broken by 6 in a line (all data of one row are in one line)
- Should be easy for adaptation of programs dealing with original EXFOR files

- The EXFOR+ file could be used as additional tool for validation of EXFOR-files
- The EXFOR+ file could be sent to authors to check input information

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+-----+
| IAEA Nuclear Data Services |
| Tools for Compilers and Evaluators |
| by Viktor Zerkin, U.Zerkin@iaea.org |
+-----+
| Nuclear Data Section |
| International Atomic Energy Agency |
+-----+

Translation EXFOR to X4Plus, ver-2014.04.23

Please identify input EXFOR file

Run:          x4tox4plus.bat [exfor-file]
Result:       [exfor-file].x4plus.htm

Example:      x4tox4plus.bat x4plus.htm
Display result
  
```

Nuclear Data Services
International Atomic Energy Agency
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"EXFOR-Converter System"
Version 1.02, April-2014

This directory contains codes of software package "EXFOR-Converter System".
A transfer of the package to other Nuclear Data Centers (Partner-Center)
can be done with the following understanding and conditions:

1. Software package "EXFOR-Converter System" is a set of Java-classes, JS-scripts, CSS files providing conversion of EXFOR files to EXFOR-Plus (X4+) EXFOR Interpreted files using EXFOR Dictionaries. The package was produced at IAEA-NDS by V.Zerkin (author).
2. Source code will be maintained in the IAEA-NDS by the author.
3. Decompiling Java codes (reverse-engineering on java bytecode) is strictly forbidden.
4. The Partner-Center can not make any changes in the local copy of the package without permission of the IAEA-NDS and agreement with the author.
5. Further distribution of the product must be first discussed with IAEA-NDS. It can not be done without permission of IAEA-NDS and notification of author.
6. IAEA-NDS (author) takes responsibility for:
 - 1) helping the Partner-Center with installation, and future consultation if/when it is needed (e.g., when environment is changed);
 - 2) debug code if errors found and provide corrected version as soon as possible;
 - 3) maintain and develop package: discuss and implement Partner-Center's needs and wishes, inform and agree major changes in the package, functionality and design, and provide Partner-Center with new versions.
7. Partner-Center takes responsibility for:
 - 1) report problems with the package and occurred errors, if any
 - 2) regularly provide IAEA-NDS with statistics of usage of the package in the form requested by IAEA-NDS
 - 3) provide proper acknowledgment and recognition of IAEA-NDS and author;
 - 4) preventing illegal (not approved by IAEA-NDS: see 5.) distribution of the product or any part of the product.

Codes ZCHEX, ZORDER and
EXFOR-Converter System by V.Zerkin,
IAEA/NDS are used

Code JANIS Trans Checker by N.Soppera,
NEA DB is used

EXFOR Editor

Compilation into database EXFOR

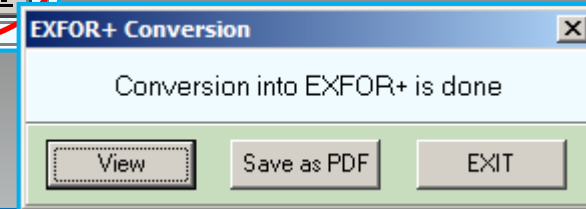
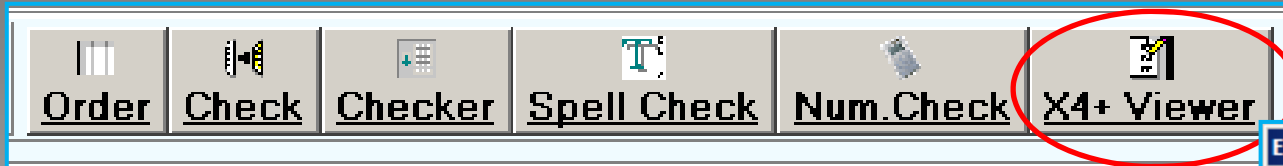
Version 2.4

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S.Dunaeva

Thanks to all NRDC community
for proposals and testing







Column: 12 Row: 1 Total: 63 Insert C:\Taova\2014_Slovakia\Progra

ENTRY	F1078	20080709
SUBENT	F1078001	20080709
BIB	10	22
TITLE	The C-13(d,g)N-15 reaction around E _{exc} =17.7 MeV.	
AUTHOR	(W.Del Bianco, N.Marquardt, K.Farzine, H.V. Buttler)	
INSTITUTE		
REFERENCE		
FACILITY		
HISTORY		
ENDBIB		
NOCOMMON		
ENDSUBENT		
SUBENT	F1078002	20080709
BIB	4	10
REACTION		
ERR-ANALYS		
STATUS	(CURVE) Fig.1	
ENDBIB	10	0
NOCOMMON		
DATA	3	37
EN	DATA	DATA-ERR
MEV	MU-B/SR	MU-B/SR
2.9248	1.334E-03	1.245E-04
3.1285	1.322E-03	1.244E-04
3.3213	1.223E-03	1.013E-04
3.5262	9.654E-04	8.063E-05
3.7416	8.756E-04	8.061E-05
3.9004	7.766E-04	7.12E-05
4.1491	8.066E-04	7.14E-05

EXFOR-Interpreted, V.Zerkin, IAEA-NDS, 2012-2014 - Windows Internet Explorer

Converted from EXFOR to X4+ by x4read2x4interp v-2014/04/25, V.Zerkin, IAEA-NDS, 2007-2014

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ENTRY F1078001 20080709
SUBENT F1078001 20080709
BIB 10 22
TITLE The C-13(d,g)N-15 reaction around Eexc=17.7 MeV.
AUTHOR (W.Del Bianco, N.Marquardt, K.Farzine, H.V. Buttler)
INSTITUTE
REFERENCE
FACILITY
HISTORY
ENDBIB
NOCOMMON
ENDSUBENT
SUBENT F1078002 20080709
BIB 4 10
REACTION
ERR-ANALYS
STATUS (CURVE) Fig.1
#(CURVE) Data read from a curve
ENDBIB 10 0
NOCOMMON
DATA 3 37 12
#Legend: 3 x 37 x 12 : data columns * lines * column width
#EN Energy of incident projectile, laboratory system MEV MeV
#DATA Value of quantity specified under REACTION MU-B/SR microbarns per steradian
#DATA-ERR Error in value of quantity, defined under ERR-ANALYS MU-B/SR microbarns per steradian
#/#Legend
EN DATA DATA-ERR
MEV MU-B/SR MU-B/SR
2.9248 .001334 .0001245
3.1285 .001322 .0001244
3.3213 .001223 .0001013
3.5262 .0009654 8.063e-5
3.7416 .0008756 8.061e-5
3.9004 .0007766 7.12e-5
4.1491 .0008066 7.14e-5
4.3651 .0005971 6.219e-5
4.5351 .0005257 5.298e-5
  
```

Thank you!