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

A66

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EXFOR+ FORMAT- BASIC IDEAS

- 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

BENEFITS OF EXFOR+ USE BY COMPILERS

- 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

EXFOR+ FOR EXFOR-EDITOR

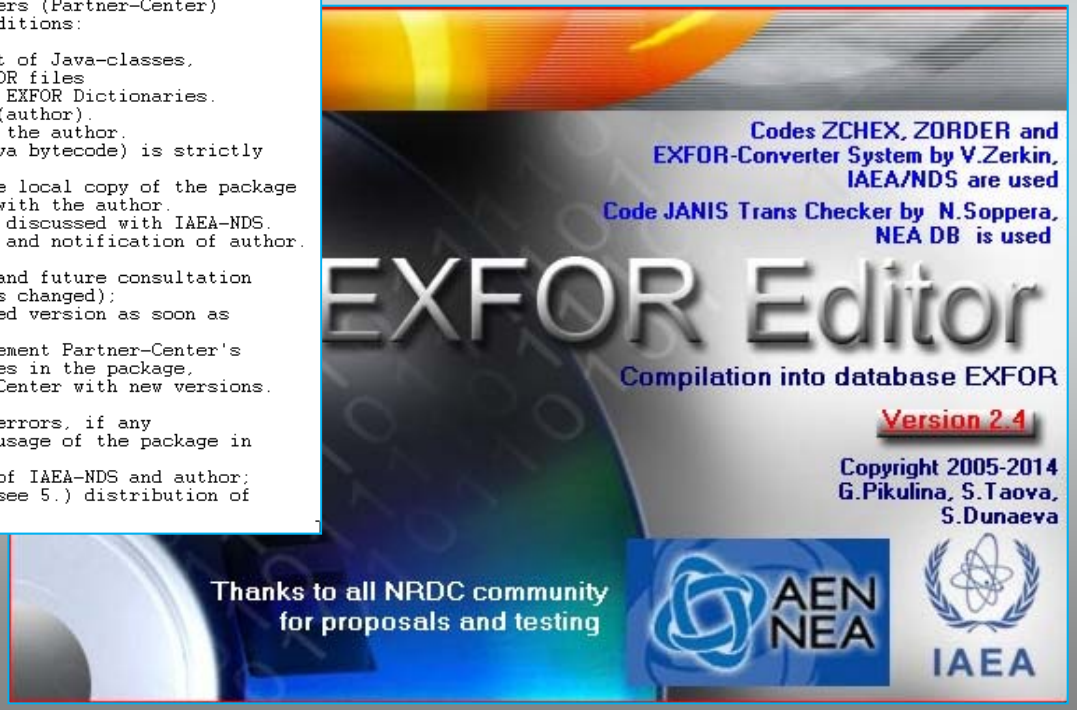
```
+-------------------------------------------------------+
I              IAEA Nuclear Data Services               I
I          Tools for Compilers and Evaluators           I
I         by Viktor Zerkin, V.Zerkin@iaea.org           I
+-------------------------------------------------------+
I     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

  Translation EXFOR to X4Plus, ver-2014.04.23

  Please identify input EXFOR file

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

  Example:
  Display resu
```

Nuclear Data Services
International Atomic Energy Agency
Wagramer Strasse 5, P.O.Box 100, A-1400 Vienna, Austria
Tel:(+43 1) 2600-21714; Fax:(+43 1) 26007

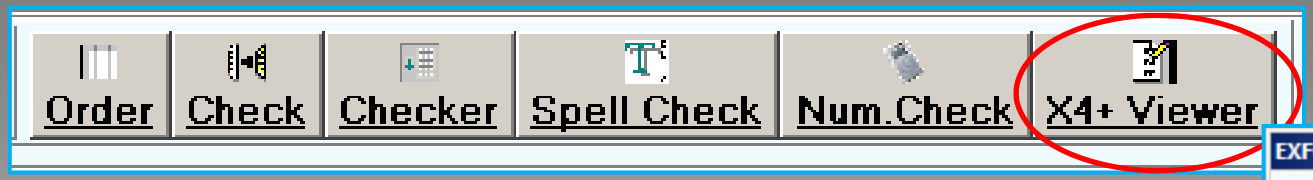
"EXFOR-Converter System"
Version 1.02, April-2014

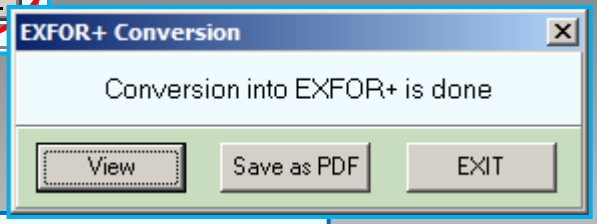
This directory contains codes of software package "EXFOR-Converter System".
A transfer of the package to other Nuclear Data Centers (Partner-Center)
can be done with the following understanding and conditions:

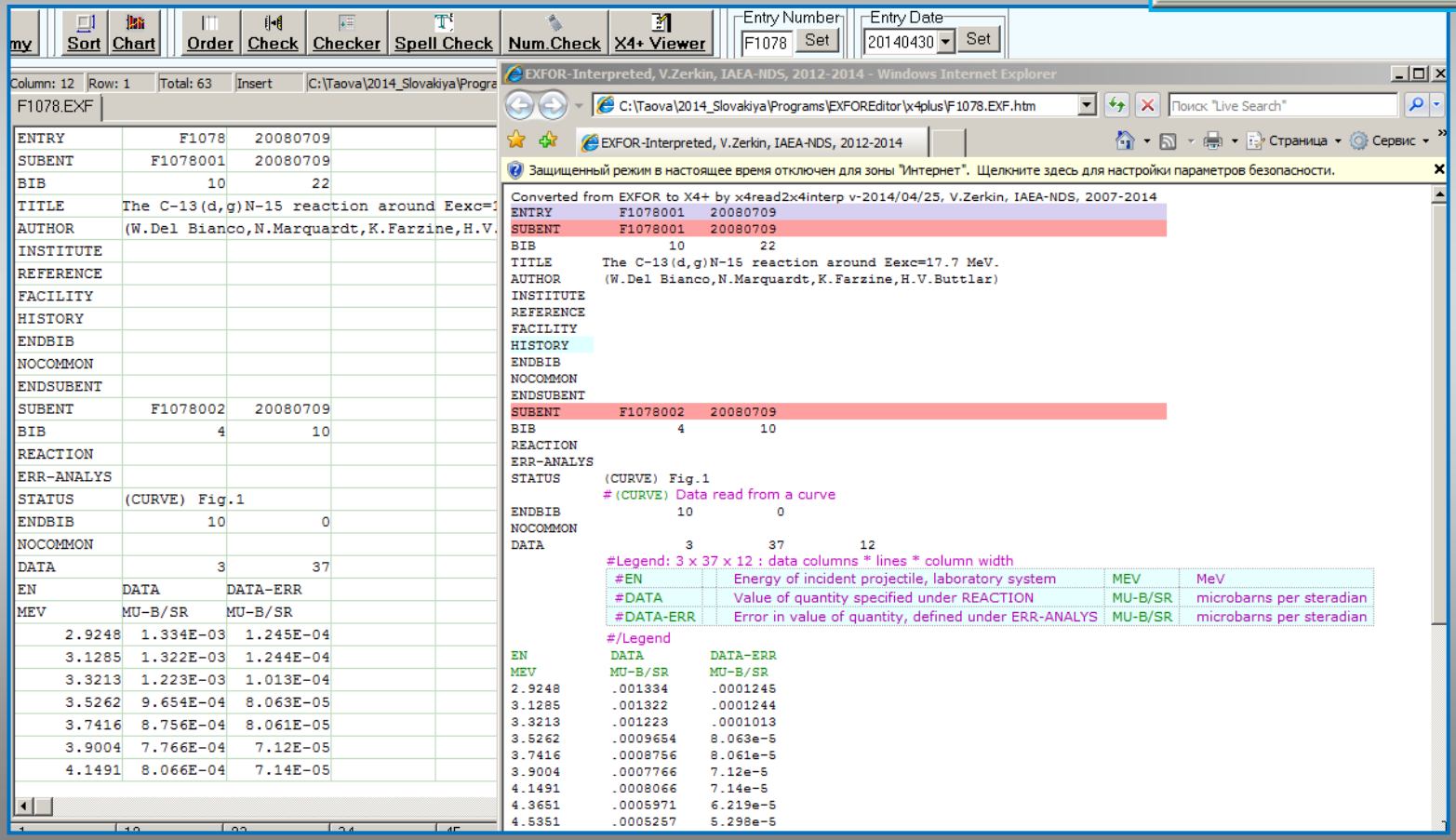
1. Software package "EXFOR-Converter System" is a set of Java-classes,
   JS-scripts, CSS files providing convertion of EXFOR files
   to EXFOR-Plus (X4+) EXFOR Interpreted files using EXFOR Dictionaries.
   The package was produced at IAEA-NDS by V.Zerkin (author).
2. Source code will be maintained 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.



EXFOR-EDITOR – FORMAT CONTROL







ENTRY	F1078	20080709
SUBENT	F1078001	20080709
BIB	10	22
TITLE	The C-13(d,g)N-15 reaction around Eexc=1	
AUTHOR	(W.Del Bianco,N.Marquardt,K.Farzine,H.V.	
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

Thank you!