

CODING OF NUCLEAR REACTIONS UNDER THE EXFOR RULES

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EXFOR-EDITOR – VERSION 3.1

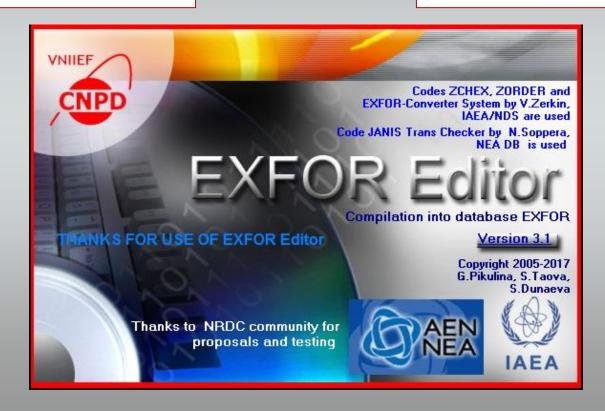
A85 | CNPD

(Continuing Action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres, taking into account compilers' remarks.

CORRECTION OF BUGS



IMPLEMENTAION OF MODIFICATIONS







OBJECTIVE - Improvement of interface to be easier and friendlier

USERS' FEEDBACKS

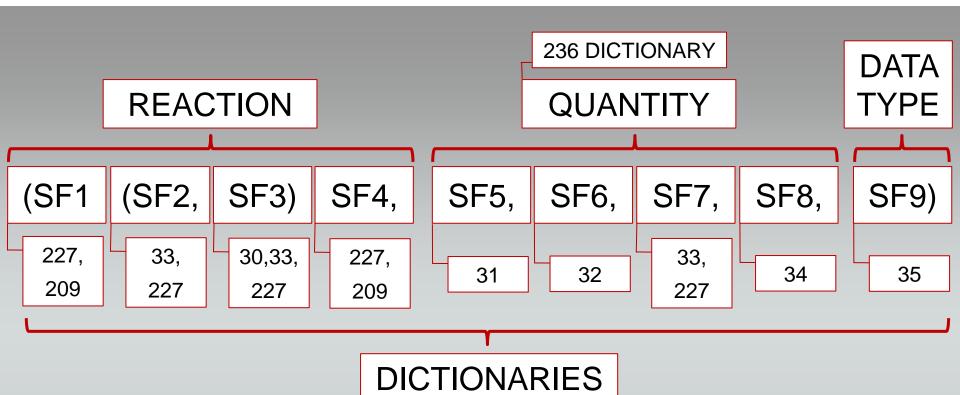


OWN COMPILING EXPERIENCE

PRIMARY TASK - Simplification of the window for the REACTION input because of its importance for compiling process



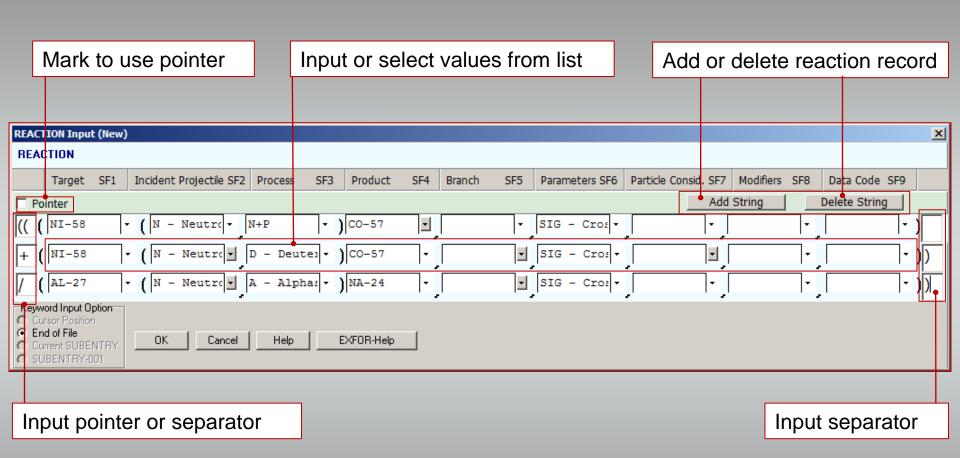




CHALLENGING TASK – to know the essence of nuclear physics process and to code nine subfields using ten EXFOR dictionaries

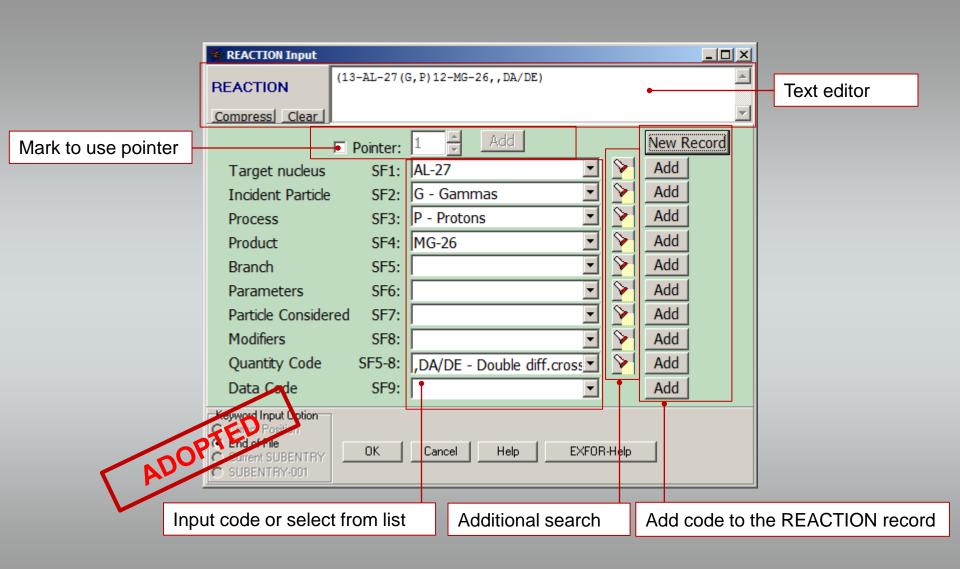


1-st Version of the REACTION Window





2-nd Version of the REACTION Window

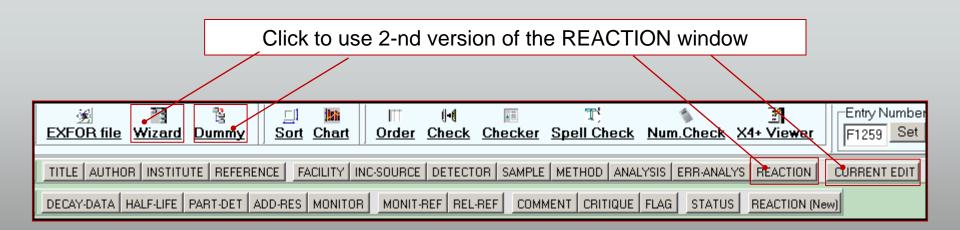






WHY 2-ND VERSION:

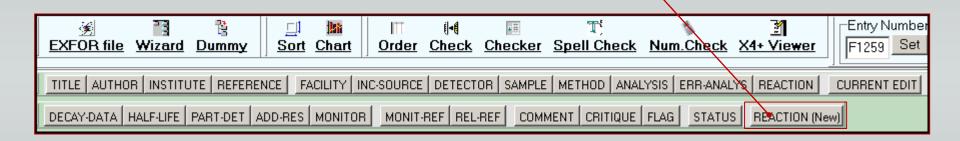
- It has familiar view and traditional options
- It is more convenient and more flexible for information input and search
- It doesn't include supplementary functions and keeps the required ones only





1-st Version of the REACTION Window

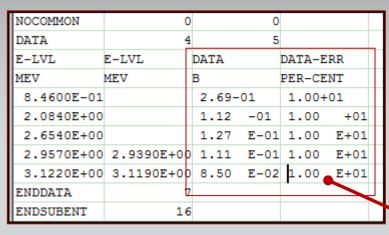
Click to use 1-st version of the REACTION window just for testing

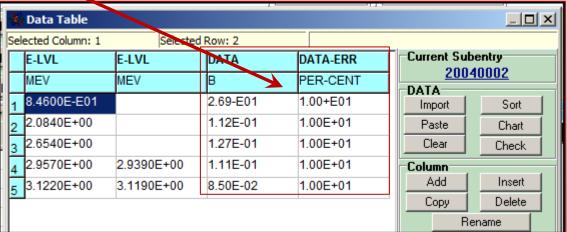




Additional Improvements of the EXFOR-Editor

■ Processing of floating point data with an exponent of Fortran specific (with additional spaces or with missed symbol 'E') is available now in the Data Table mode

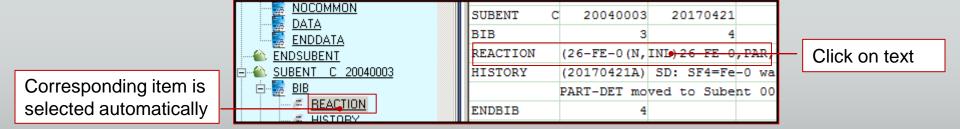






Additional Improvements of the EXFOR-Editor

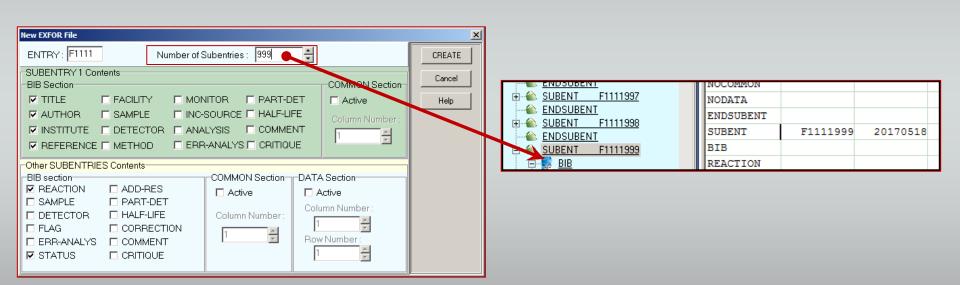
■ Modified treatment of structure tree of the opened EXOR file is implemented: now clicking on the editor field of the main window opens the corresponding item of the structure tree





Additional Improvements of the EXFOR-Editor

■ Number of subentries in the regime of new EXFOR file creation with the help of pattern is in the range from 2 up to 999 according to the EXFOR rules







- The last version of the EXFOR dictionaries (2017.04.26) in the ACCESS format by Victor Zerkin
- The ZCHEX code with the updated dictionaries by Victor Zerkin
- The Janis Trans Checker Code with the updated dictionaries by Nicolas Soppera





THANK YOU!