

Center of Nuclear Physics Data

Progress report to the NRDC Meeting, IAEA

May 14 -17, 2024

S. Taova

Russian Federal Nuclear Center-VNIIEF

Russia, 607188, Sarov, Nizhny Novgorod region, Mira Ave, 37

EXFOR compilation

New

TRANS.F095

Revised

TRANS.F096

TRANS.F097

TRANS.F098

TRANS.A104

TRANS.A105

TRANS.A106

TRANS.A107

TRANS.A108

TRANS.A109

TRANS.A110

17 entries

163 entries

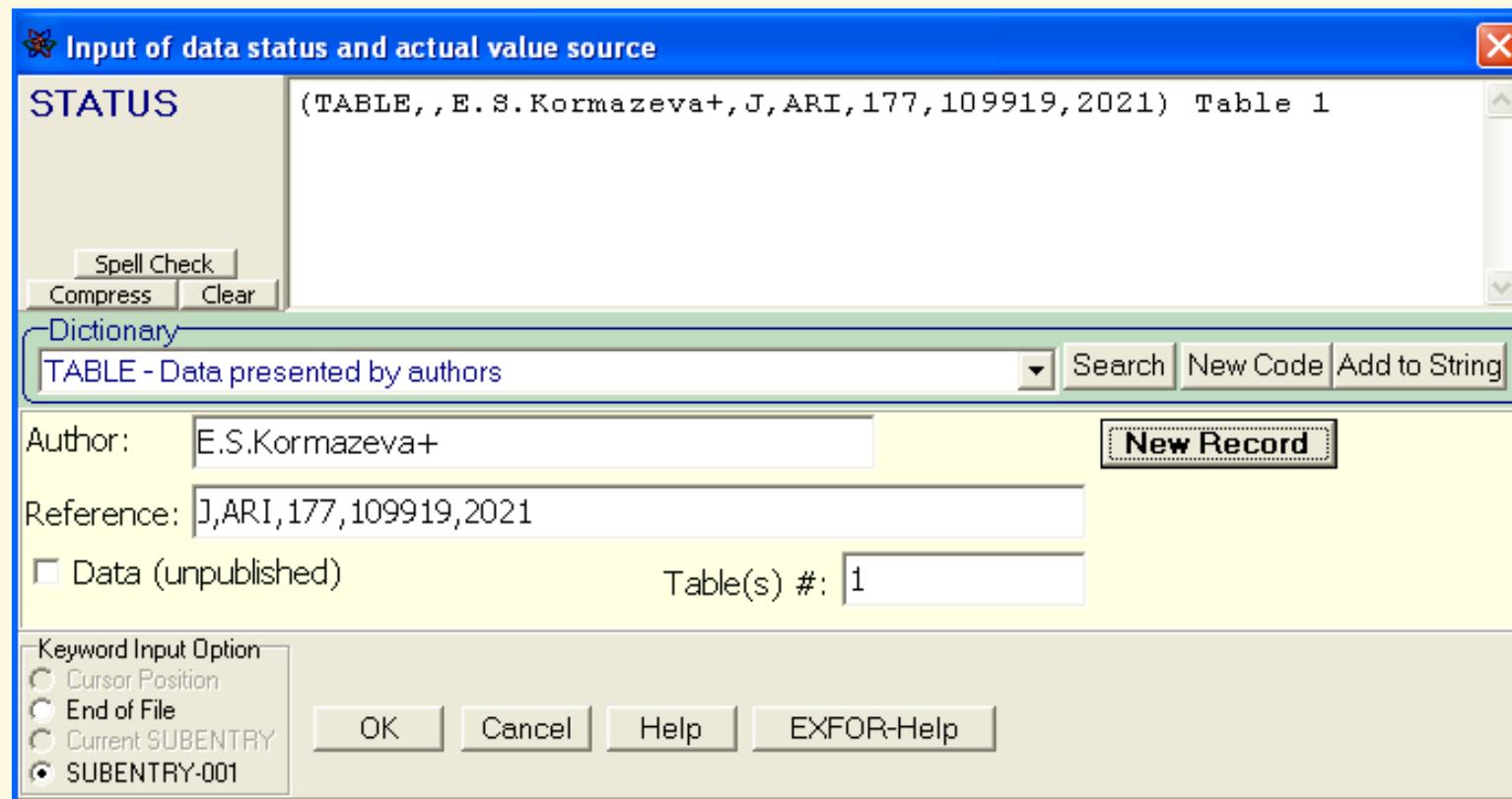
Actions A33, A47, A48

Software

-EXFOR-Editor

ExfData - 4.02

New format of the keyword STATUS



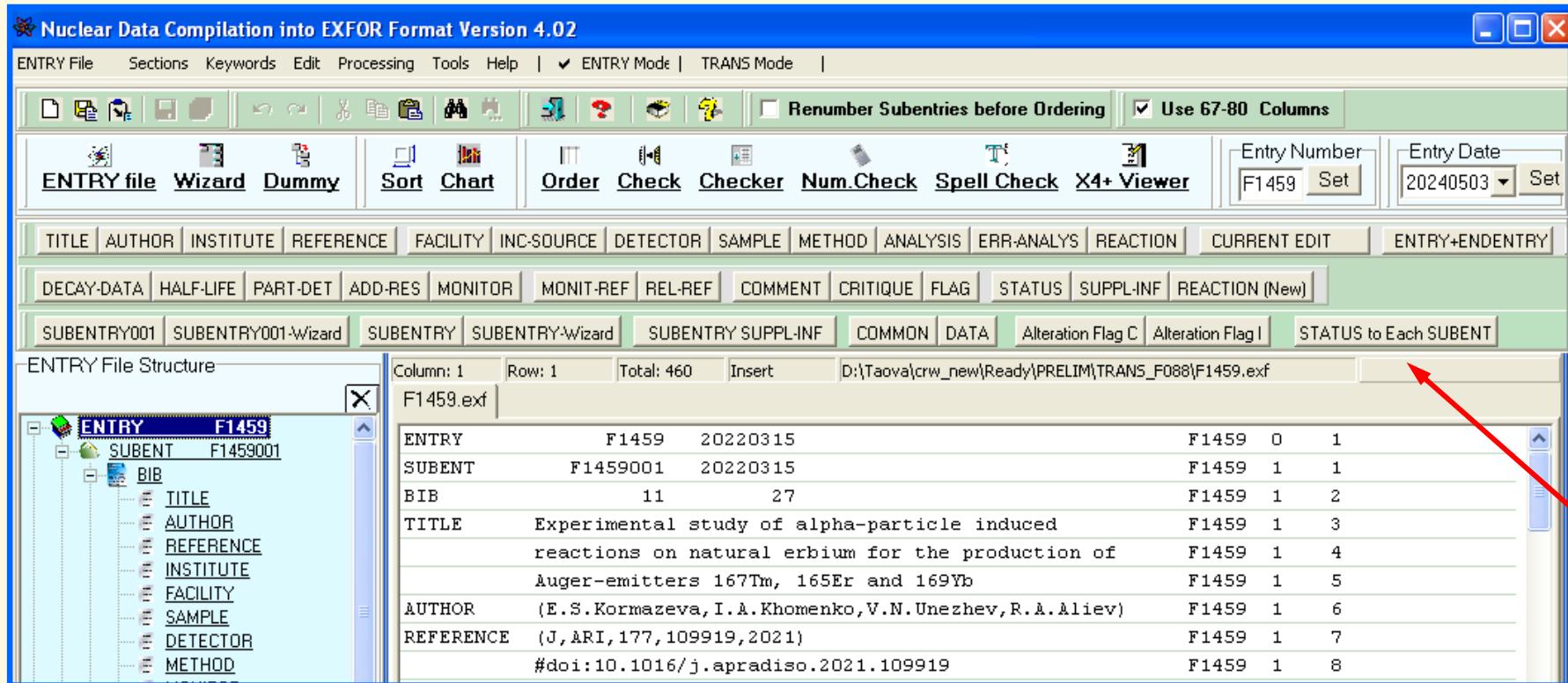
"A61 (Continuing action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres".

Software

-EXFOR-Editor

ExfData - 4.02

New format of the keyword STATUS



The screenshot shows the 'Nuclear Data Compilation into EXFOR Format Version 4.02' application window. The menu bar includes: ENTRY File, Sections, Keywords, Edit, Processing, Tools, Help, and Mode (ENTRY Mode, TRANS Mode). The toolbar contains various icons for file operations like Open, Save, Print, and a spell checker. A status bar at the bottom displays: Column: 1, Row: 1, Total: 460, Insert, and the file path D:\Taova\crw_new\Ready\PRELIM\TRANS_F088\F1459.exf.

The main area has several tabs at the top: TITLE, AUTHOR, INSTITUTE, REFERENCE, FACILITY, INC-SOURCE, DETECTOR, SAMPLE, METHOD, ANALYSIS, ERR-ANALYS, REACTION, CURRENT EDIT, ENTRY+ENDENTRY, DECAY-DATA, HALF-LIFE, PART-DET, ADD-RES, MONITOR, MONIT-REF, REL-REF, COMMENT, CRITIQUE, FLAG, STATUS, SUPPL-INF, and REACTION (New). Below these are tabs for SUBENTRY001, SUBENTRY001-Wizard, SUBENTRY, SUBENTRY-Wizard, SUBENTRY SUPPL-INF, COMMON, DATA, Alteration Flag C, Alteration Flag I, and STATUS to Each SUBENT.

The left pane shows the 'ENTRY File Structure' tree view for entry F1459, which includes a 'SUBENT F1459001' node under 'ENTRY'. The right pane displays a table of data entries:

	ENTRY	F1459	20220315	F1459	0	1
SUBENT	F1459001	20220315	F1459	1	1	
BIB	11	27	F1459	1	2	
TITLE	Experimental study of alpha-particle induced reactions on natural erbium for the production of Auger-emitters 167Tm, 165Er and 169Yb		F1459	1	3	
AUTHOR	(E.S.Kormazeva, I.A.Khomenko, V.N.Unezhev, R.A.Aliev)		F1459	1	4	
REFERENCE	(J, ARI, 177, 109919, 2021)		F1459	1	5	
	#doi:10.1016/j.apradiso.2021.109919		F1459	1	6	
			F1459	1	7	
			F1459	1	8	

A red arrow points from the text 'New format of the keyword STATUS' to the 'STATUS' tab in the interface.

"A61 (Continuing action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres".

Software

-EXFOR-Editor

ExfData - 4.02

New format of the keyword STATUS

* Add STATUS to Each SUBENT with DATA X

Author:	E.S.Kormazeva+	
Reference:	J,ARI,177,109919,2021	
SUBENTRY	CODE	#TABLE (FIG.)
F1459002	TABLE	2
F1459003	TABLE	2
F1459004	TABLE	2
F1459005	TABLE	2
F1459006	TABLE	2
F1459007	TABLE	2
F1459008	TABLE	2
F1459009	TABLE	3

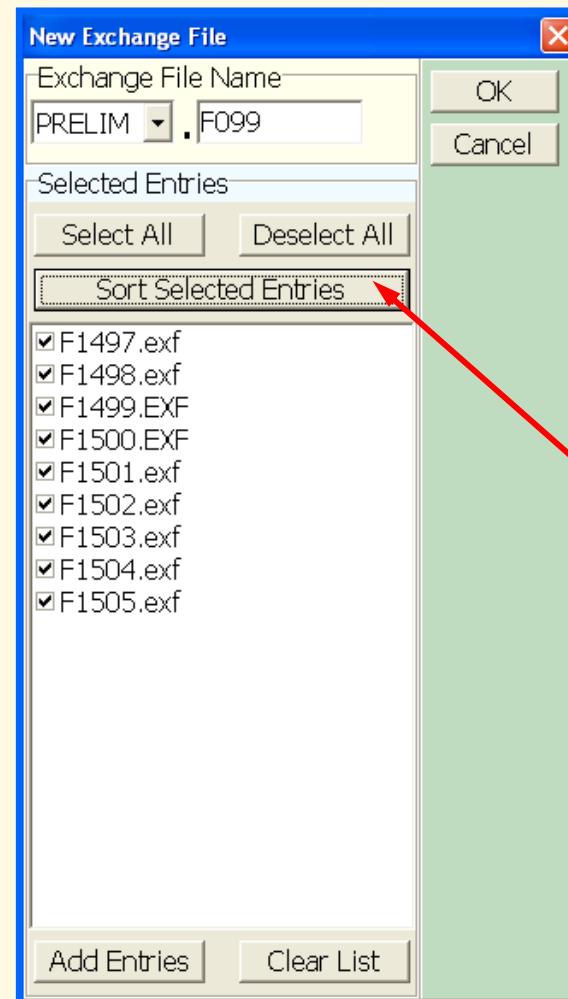
OK Cancel

“A61 (Continuing action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres”.

Software

-EXFOR-Editor

ExfData - 4.02



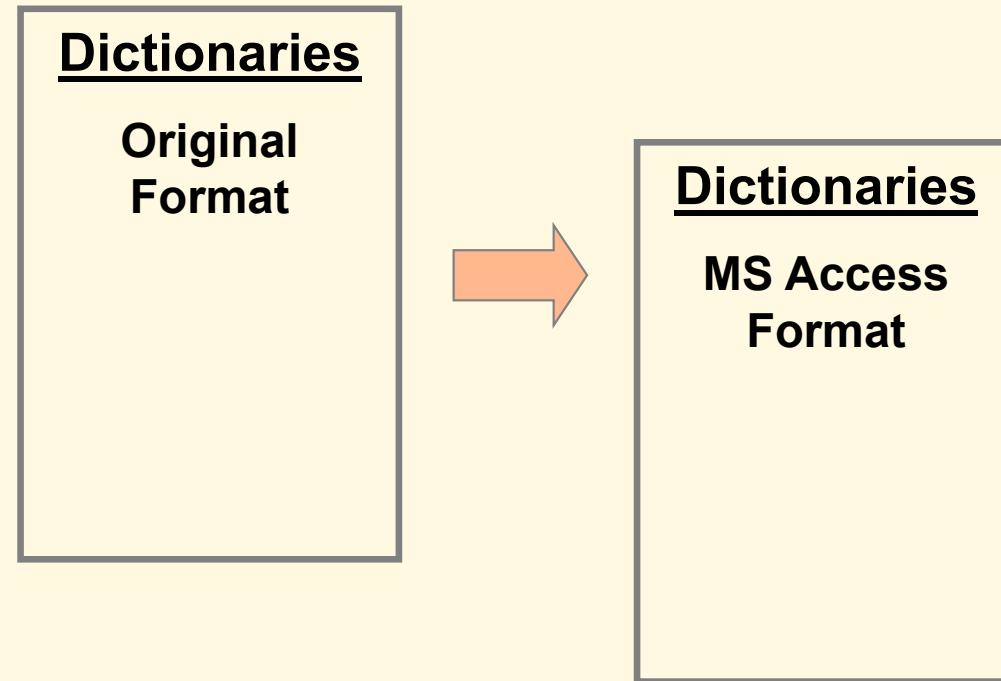
Entry sorting in TRANS mode

"A61 (Continuing action) Continue development and testing of the EXFOR-Editor and InpGraph in cooperation with NDS and other data Centres".

Software

-EXFOR-Editor

ExfData - 4.02



"A94 Setup software package (A93) in Sarov and start producing Dictionaries in MS-Access used in EXFOR-Editor"

Publications

G. Pikulina, S. Taova

«EXFOR-Editor package for entering, Processing and representing nuclear reaction data in the EXFOR format”

Journal of Nuclear Science and Technology, V. 61, p. 146, 2024

Scanning of Journals

“Izvestiya Akademii Nauk”

“Yadernaya Fizika”

Thank you!