

Development of Software Package to Input and Edit Experimental Data in EXFOR Format

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- A72 CNPD Provide more detailed information on future development of the EXFOR-Editor.
- A74 CNPD (Continuing Action) Continue development and testing of the EXFOR-Editor and digitizer in cooperation with NDS and other data Centres, taking into account compilers' remarks.

**EXFOR-
Editor**

**Full
Version**

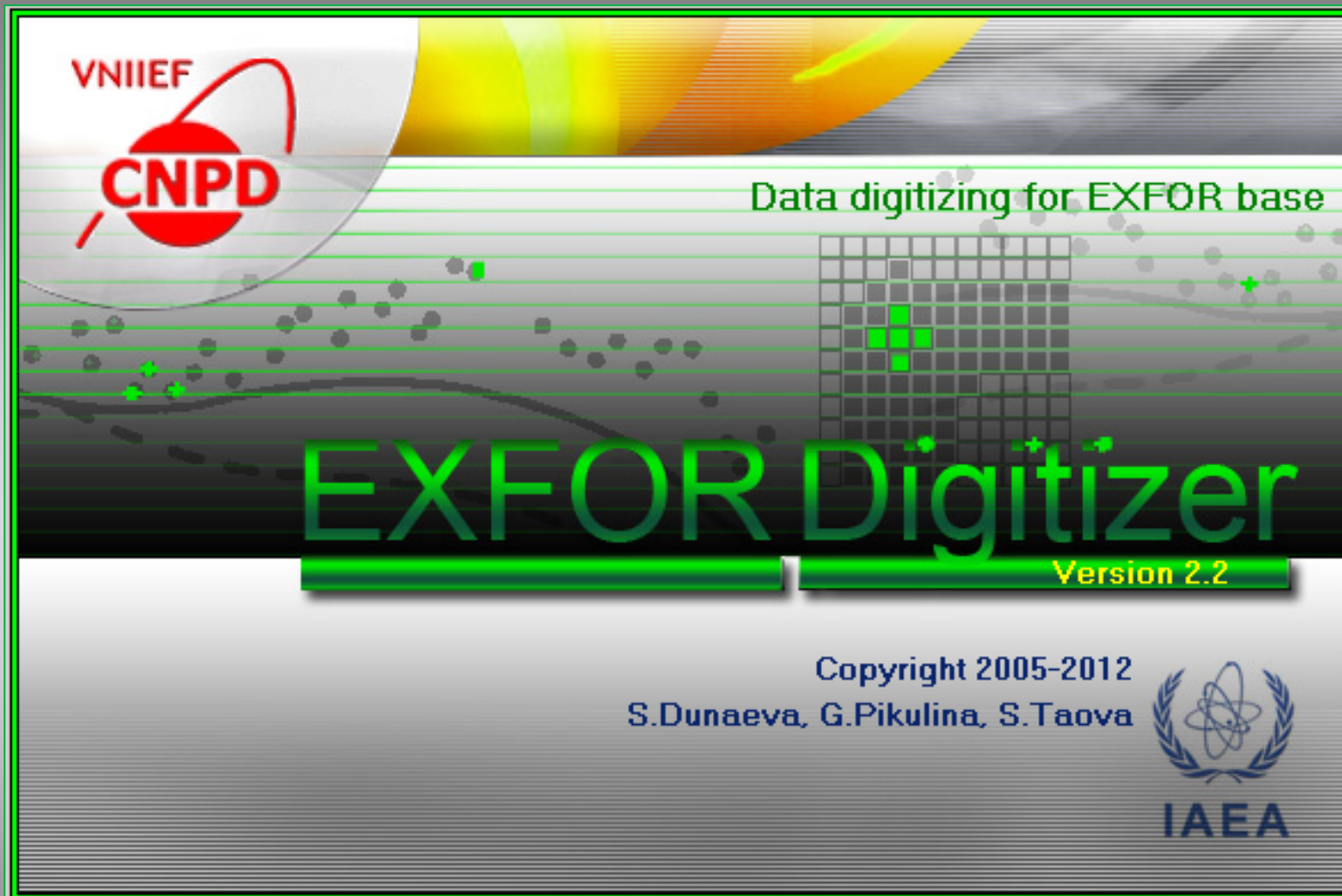
**“Light”
Version**

InpGraph

**Full
Version**

**“Light”
Version**

Full versions are for skilled users and “Light” versions are for novice users.




VNIEF
CNPD

Data digitizing for EXFOR base

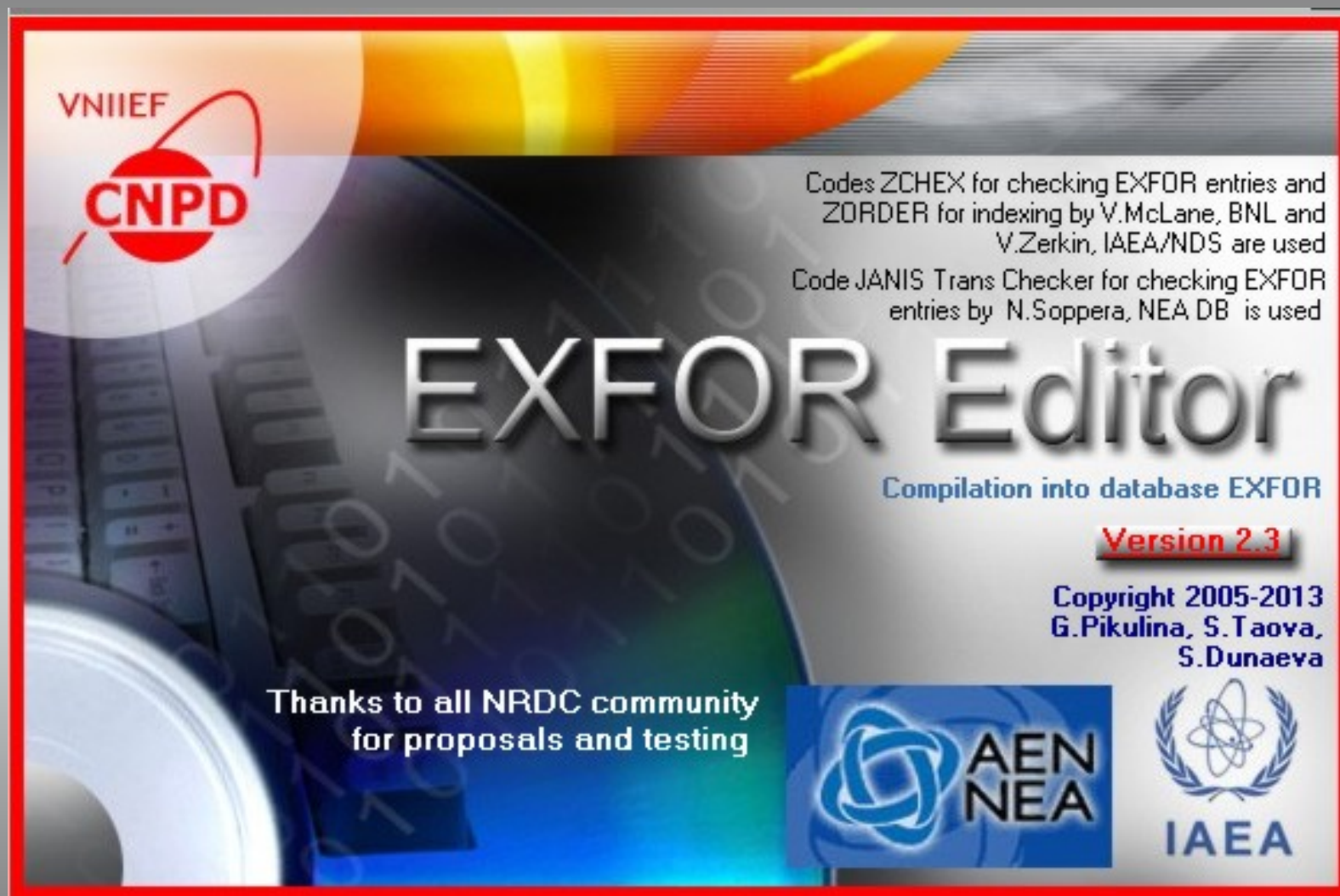
EXFOR Digitizer
Version 2.2

Copyright 2005-2012
S.Dunaeva, G.Pikulina, S.Taova



IAEA

The image shows a software interface for 'EXFOR Digitizer'. It features a grid with data points and a central grid area. The text 'Data digitizing for EXFOR base' is visible. The software is identified as 'EXFOR Digitizer Version 2.2'. Copyright information is provided for the years 2005-2012, listing authors S.Dunaeva, G.Pikulina, and S.Taova. The IAEA logo is also present.



VNIIEF
CNPD

Codes ZCHEX for checking EXFOR entries and
ZORDER for indexing by V.McLane, BNL and
V.Zerkin, IAEA/NDS are used
Code JANIS Trans Checker for checking EXFOR
entries by N.Soppera, NEA DB is used



EXFOR Editor

Compilation into database EXFOR

Version 2.3

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G.Pikulina, S.Taova,
S.Dunaeva

Thanks to all NRDC community
for proposals and testing



Alteration Flag C	Alteration Flag I	Code A to HISTORY Record
SUBENT001 Record Current SUBENT Record Selected SUBENT Records All SUBENT Records	Current SUBENT Record Selected SUBENT Records	SUBENT001 Record Current SUBENT Record Selected SUBENT Records All SUBENT Records

Select SUBENT Records for Ateration [X]

<input type="checkbox"/> D0998001
<input checked="" type="checkbox"/> D0998002
<input type="checkbox"/> D0998003
<input type="checkbox"/> D0998004
<input type="checkbox"/> D0998005
<input checked="" type="checkbox"/> D0998006
<input type="checkbox"/> D0998007
<input checked="" type="checkbox"/> D0998008
<input type="checkbox"/> D0998009
<input checked="" type="checkbox"/> D0998010
<input type="checkbox"/> D0998011
<input checked="" type="checkbox"/> D0998012

OK
Cancel

REACTION Edit
REACTION (28-NI-58 (8-0-16, INL) 28-NI-58, PAR, DA) (on fig. 5, 6)

Compress Clear

Reaction Fields: SF1 - SF4

Pointer Use 1

Target Nucleus - SF1 (Search) Incident Particle - SF2 (Search) Process - SF3 (Search) Reaction Product - SF4 (Search) Add

Use 213th and 236th DICTIONARIES Use 31th,32th,33th,34th DICTIONARIES

Reaction Type
Text to Find Find Search Reaction Examples

Alpha (capture-to-fission cs ratio)
Alpha at resonance
Most probable mass
Most probable mass as a fn. of angle

Quantity Fields SF5-SF8

Current Position: [SUBENTRY D09980](#)

OK Cancel Help

REACTION Edit
REACTION (28-NI-58 (8-0-16, INL) 28-NI-58, PAR, DA) (on fig. 5, 6)

Compress Clear

Reaction Fields: SF1 - SF4

Pointer Use 1

Target Nucleus - SF1 (Search) Incident Particle - SF2 (Search) Process - SF3 (Search) Reaction Product - SF4 (Search) Add

Use 213th and 236th DICTIONARIES Use 31th,32th,33th,34th DICTIONARIES

Reaction Fields: SF5 - SF9

Branch - SF5 (Search) Parameter - SF6 (Search) Particles Consider - SF7 (Search) Modifiers - SF8 (Search) Data Type SF9 (Search) Add SF5-SF9

New Record

Current Position: [SUBENTRY D.0998003 BIB_section](#)

OK Cancel Help EXFOR-Help

Import

Import File
File Format: Text WORD EXCEL
File Name:

Import Options
Separator: <SPACE> <TAB> <> - Coma <> - Semi Another String
Line End:
Separator String:

Source
Rows: Start Number: Number of Rows: To the End of File

Destination
Existing Table: Add to the E... New Table

45\$..4556\$..345¶
22\$....\$....3456¶
23\$..777\$..999¶

Paste

Separator: <SPACE> <TAB> <> - Coma <> - Semi Another String
Separator String:

Line End: <CR> <LF> <LF><CR>

Destination
Existing Table: Start Column Number: Start Row Number: Add to End of Table New Table

Data Table

Selected Column: 1 Selected Row: 3

1	ANG-CM	DATA-CM	DATA-ERR
2	ADEG	MB/SR	MB/SR
3	45.	4556.	345.
4	22.		3456.
5	23.	777	999.
6	100.91	1.2479E-2	4.1451E-3
7	110.93	1.5552E-2	6.1299E-3
8	120.31	1.1107E-2	5.0875E-3

Add Curves to Chart

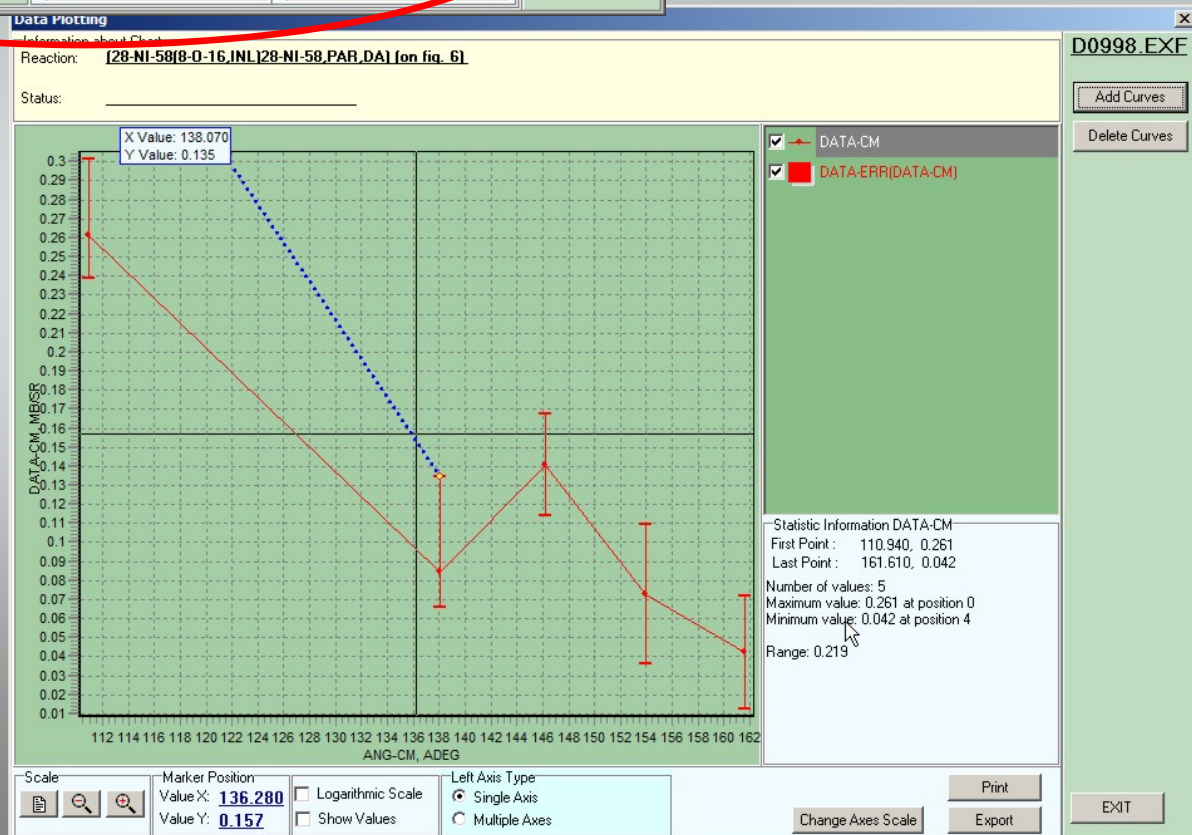
Select Subentry
SUBENTRY 004

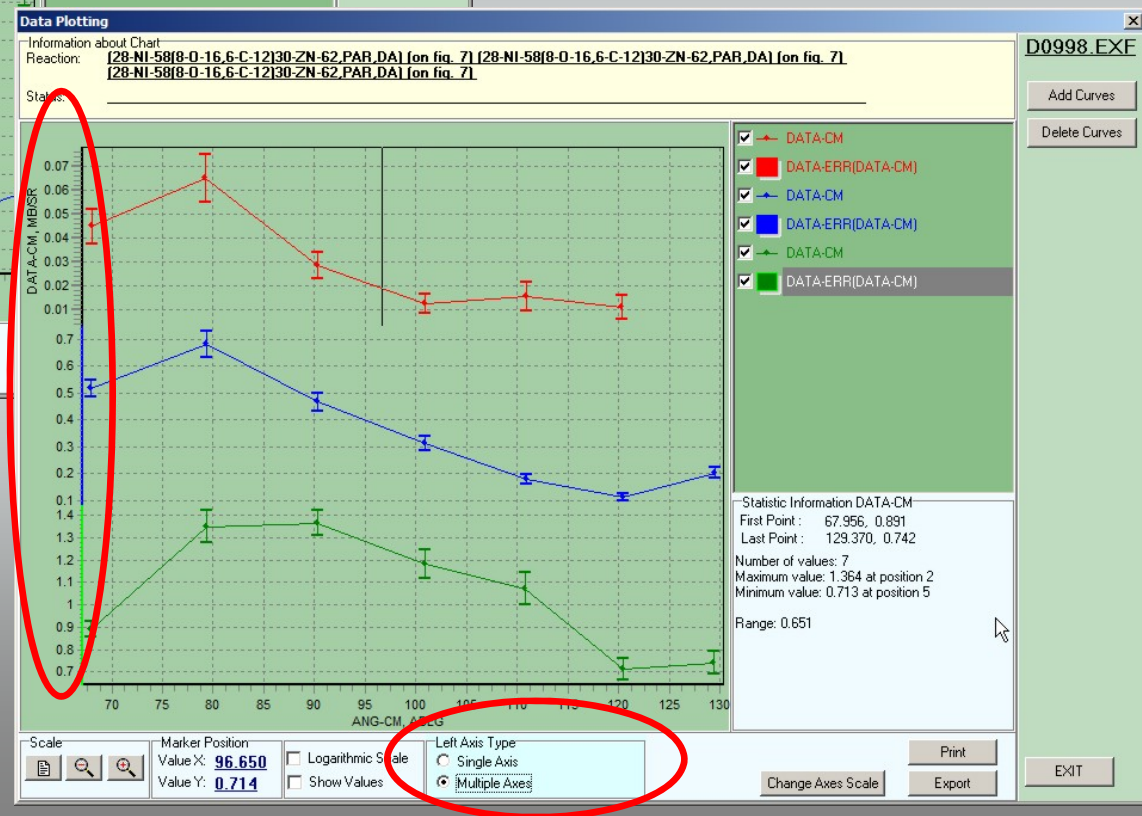
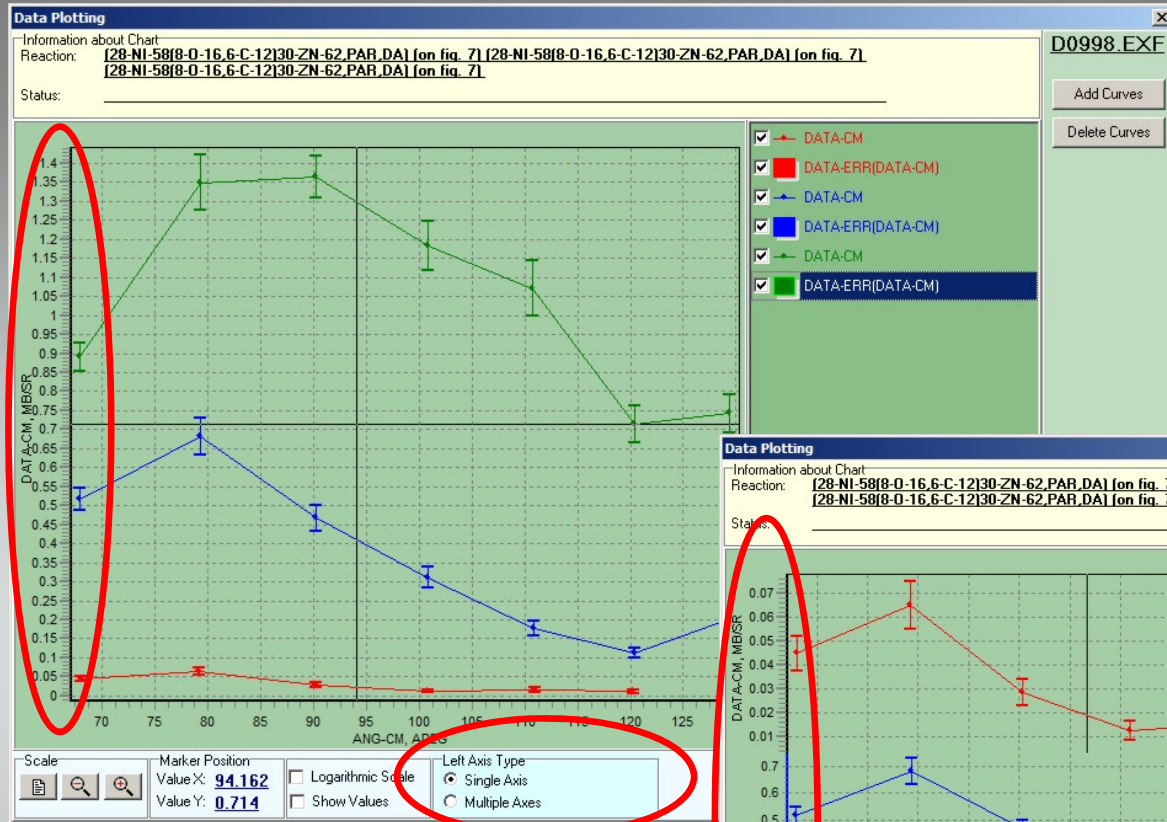
Invariable Parameters
Parameter 1: [] Parameter 2: []

Abscissa axis
X-value: ANG-CM
Type Error: Symmetric Unsymmetric
Error: []

Ordinate axis
Y-value: DATA-CM
Type Error: Symmetric Unsymmetric
Minimum Error: DATA-ERR
Maximum Error: DATA-ERR1

OK
Cancel





**EXFOR-EDITOR
version 2.3**

CHECKER

ZCHEX (NEW)

JANIS TRANS

CHECKER (NEW)

X4 → X4+

ZORDER

Data Table [X]

Selected Column: 1 Selected Row: 3

	ANG-CM	DATA-CM	DATA-ERR
1	ANG-CM	DATA-CM	DATA-ERR
2	ADEG	NO-DIM	NO-DIM
3	47.898	0.99350	
4	52.089	1.0118	
5	54.979	1.0400	
6	58.014	1.0305	
7	61.049	1.0592	
8	63.939	1.0116	
9	66.974	1.0591	
10	69.864	1.0590	
11	73.043	0.97506	
12	75.934	1.0589	
13	77.958	1.2263	
14	80.992	1.0207	
15	84.026	0.86530	
16	87.928	0.82646	
17	90.095	0.68162	
18	91.973	0.66310	
19	97.898	0.52235	
20	102.95	0.38236	0.33515E-01
21	108.01	0.28247	0.22384E-01
22	112.92	0.22251	0.23195E-01
23	117.98	0.19037	0.19843E-01
24	121.88	0.12033	0.10547E-01
25	127.08	0.90538E-01	0.11639E-01
26	130.98	0.70025E-01	0.78720E-02
27	135.90	0.49412E-01	0.71349E-02

Current Subentry
D0998008

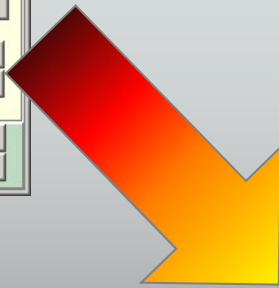
DATA
Import Sort
Paste Chart
Clear All Check

Column
Add Insert
Copy Delete
Rename
Move Left Move Right
Calculations
Set Value
Set Precision

Row
Add Insert
Copy Delete
Move Up Move Down

Undo
Undo Last Action

Table
Precision for Table
Export Data Table
Add Data Table
Cancel
EXFOR-Help
Help



Data Table [X]

	ANG-CM	DATA-CM	DATA-ERR
	ANG-CM	DATA-CM	DATA-ERR
	ADEG	NO-DIM	NO-DIM
1	52.089	1.0118	
2	47.898	0.99350	
3	54.979	1.0400	
4	58.014	1.0305	
5	61.049	1.0592	
6	63.939	1.0116	
7	66.974	1.0591	
8	69.864	1.0590	
9	73.043	0.97506	
10	75.934	1.0589	
11	77.958	1.2263	
12	80.992	1.0207	
13	84.026	0.86530	
14	87.928	0.82646	
15	90.095	0.68162	
16	91.973	0.66310	
17	97.898	0.52235	
18	102.95	0.38236	0.33515E-01
19	108.01	0.28247	0.22384E-01
20	112.92	0.22251	0.23195E-01
21	117.98	0.19037	0.19843E-01
22	121.88	0.12033	0.10547E-01
23	127.08	0.90538E-01	0.11639E-01
24	130.98	0.70025E-01	0.78720E-02
25	135.90	0.49412E-01	0.71349E-02

Current Subentry
SbntLbl

DATA
Import Sort
Paste Chart
Clear All Check

Column
Add Insert
Copy Delete
Rename
Move Left Move Right
Calculations
Set Value
Set Precision

Row
Add Insert
Copy Delete
Move Up Move Down

Undo
Undo Last Action

Table
Precision for Table
Export Data Table
Add Data Table
Cancel
EXFOR-Help
Help

VNIIEF CNPD

Compilation into EXFOR Database with Wizard

EXFOR Wizard

Version 2.0

Thanks all NRDC community for proposals and testing

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S.Dunaeva

Welcome to EXFOR-WIZARD 2.0

New	Last Edited	Open	Exit
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In cooperation with NDS and NRDC Community

Welcome to EXFOR DIGITIZER WIZARD 3.0

New	Last Edited	Open	Exit
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In cooperation with NDS and NRDC community

VNIIEF CNPD

Data digitizing for EXFOR base

EXFOR Digitizer

Version 3.0

WIZARD

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Loading...

Thank you!

