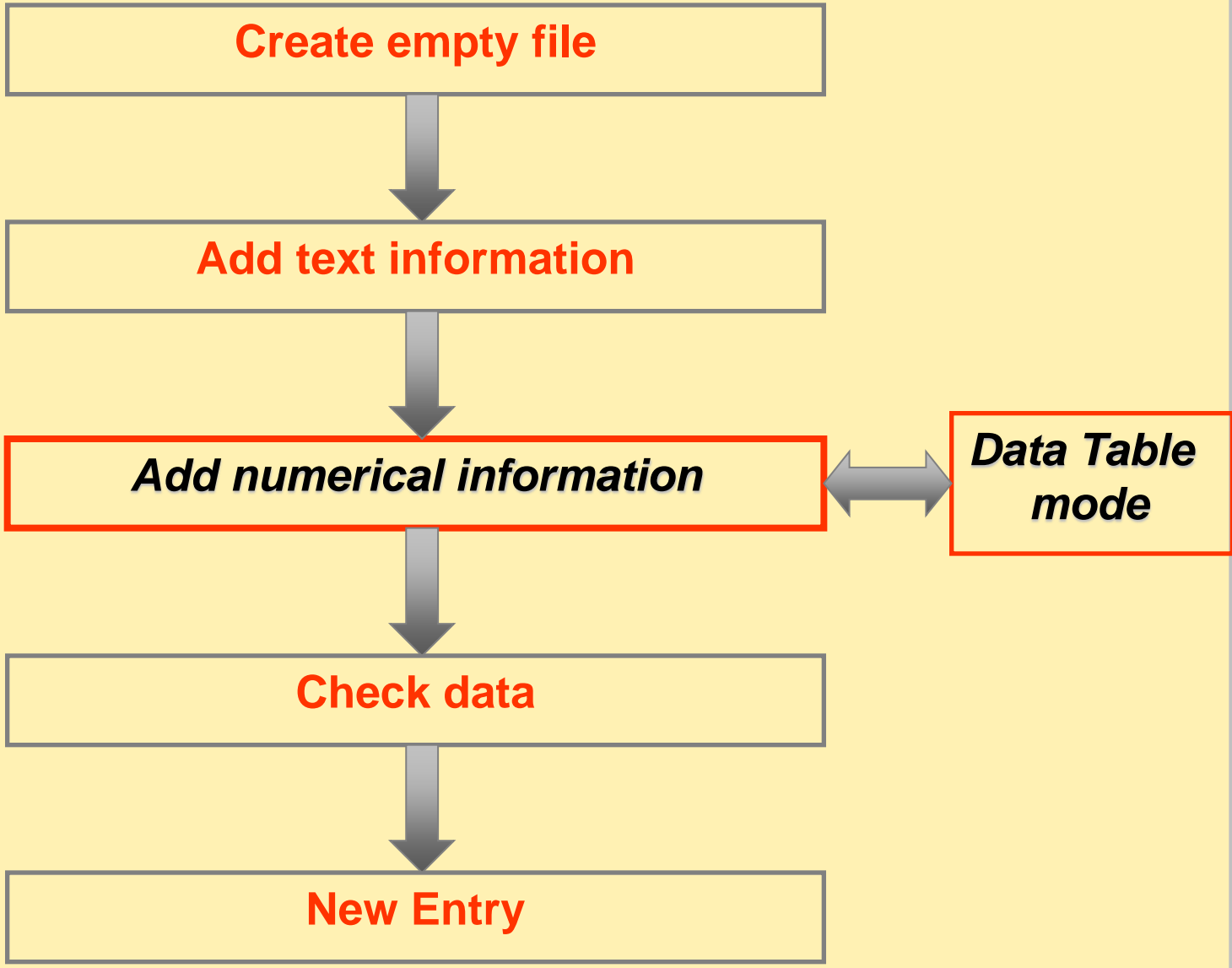




Practice of Data Table mode usage



The main advantage of this mode consists in providing different procedures of data editing in the same window.

Data Table [Close] [Maximize] [Minimize]

Selected Column: 1 Selected Row: 2

E-LVL	ANG-CM	DATA-CM	DATA-ERR
MEV	ADEG	MB/SR	MB/SR
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

Current Subentry
F1288002

DATA

Import Sort

Paste Chart

Clear 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

Clear Data Table

Export Data Table

Add Data Table

Cancel

EXFOR-Help

Help

L.I.Galanina et al. «Angular correlations in the $^{27}\text{Al}(p,\alpha\gamma)^{24}\text{Mg}$ reaction at $E_p=7.4\text{ MeV}$ »

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Original Russian Text © L.I. Galanina, N.S. Zelenskaya, V.M. Lebedev, N.V. Orlova, A.V. Spassky, 2016, published in Izvestiya Rossiiskoi Akademii Nauk. Seriya Fizicheskaya, 2016, Vol. 80, No. 3, pp. 338–346.

Angular Correlations in the $^{27}\text{Al}(p, \alpha_1\gamma)^{24}\text{Mg}$ Reaction at $E_p = 7.4\text{ MeV}$

L. I. Galanina, N. S. Zelenskaya, V. M. Lebedev, N. V. Orlova, and A. V. Spassky
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Abstract—The results from measuring the $^{27}\text{Al}(p, \alpha)^{24}\text{Mg}$ reaction's differential cross sections at $E_p = 7.4\text{ MeV}$ with the formation of the final nucleus in the ground and first excited (2^+ , 1.369 MeV) states are presented. The differential cross sections are obtained in the $25^\circ\text{--}160^\circ$ (lab) range of α -particle emission angles. Double-differential cross sections for the $^{27}\text{Al}(p, \alpha_1\gamma)^{24}\text{Mg}$ reaction are measured at the same proton energy for several α -particle angles in the forward hemisphere. All even components of the density matrix spin tensors of the ^{24}Mg nucleus in the 2^+ (1.369 MeV) state are reconstructed and its orientation characteristics are determined. The experimental results are compared with calculations for the triton pickup mechanism using coupled channels, and in the statistical limit of the compound nucleus model.

DOI: 10.3103/S1062873816030126

INTRODUCTION

A great many experimental and theoretical studies have been devoted to studying the mechanism of the $^{27}\text{Al}(p, \alpha)^{24}\text{Mg}$ reaction [1]. Such studies are conducted in the wide energy range from several to hundreds of MeV. This reaction was studied at $E_p = 5\text{--}10\text{ MeV}$ in several works. In [2], the angular distributions of the differential cross sections at five energies between

The function of the angular $\alpha\gamma$ -correlation of $^{27}\text{Al}(p, \alpha_1\gamma)^{24}\text{Mg}$ at $E_p = 6.4\text{ MeV}$ was measured in [5]. The correlation was measured only in the reaction plane and at one angle, $\theta_\alpha = 135^\circ$ (lab). It was shown that the resulting function of the angular correlation was anisotropic, and it was concluded that the mechanism of the reaction has a resonant nature (with Erickson fluctuations, the $\alpha\gamma$ -correlation must be isotropic).

SIG0.txt		
161.4	1.92	9.E-02
32.0	6.7E-01	5.E-02
37.3	7.2E-01	5.E-02
42.6	7.1E-01	5.E-02
26.7	6.4E-01	3.E-02
47.9	7.4E-01	5.E-02
58.3	6.6E-01	4.E-02
53.1	7.4E-01	4.E-02
63.5	5.5E-01	4.E-02
73.8	4.5E-01	3.E-02
78.9	4.2E-01	3.E-02
68.7	5.4E-01	4.E-02
84.0	5.6E-01	5.E-02
89.1	5.7E-01	5.E-02
94.1	6.1E-01	5.E-02
104.0	5.6E-01	5.E-02
113.8	6.7E-01	5.E-02
99.1	6.5E-01	5.E-02
123.5	7.1E-01	5.E-02
142.6	1.25	5.E-02
152.0	1.77	5.E-02
133.1	8.3E-01	5.E-02



SIG1.txt		
32.2	3.159	8.7E-02
37.5	2.525	1.14E-01
48.1	2.497	1.11E-01
58.6	3.002	1.24E-01
42.8	2.385	1.10E-01
53.4	2.732	8.2E-02
26.9	3.715	6.0E-02
63.8	3.025	1.25E-01
69.0	3.114	1.27E-01
74.2	2.487	6.9E-02
79.3	2.461	6.6E-02
89.4	2.387	4.7E-02
94.4	2.362	6.1E-02
99.4	2.164	5.2E-02
104.4	2.193	7.1E-02
84.4	2.410	7.2E-02
114.2	2.378	7.6E-02
123.8	3.059	9.6E-02
142.8	5.580	1.32E-01
133.4	4.202	1.14E-01
152.2	6.073	1.40E-01
161.5	5.162	1.29E-01

SIG0.txt

161.4	1.92	9.E-02
32.0	6.7E-01	5.E-02
37.3	7.2E-01	5.E-02
42.6	7.1E-01	5.E-02
26.7	6.4E-01	3.E-02
47.9	7.4E-01	5.E-02
58.3	6.6E-01	4.E-02
53.1	7.4E-01	4.E-02
63.5	5.5E-01	4.E-02
73.8	4.5E-01	3.E-02
78.9	4.2E-01	3.E-02
68.7	5.4E-01	4.E-02
84.0	5.6E-01	3.E-02
89.1	5.7E-01	3.E-02
94.1	6.1E-01	3.E-02
104.0	5.6E-01	4.E-02
113.8	6.7E-01	4.E-02
99.1	6.5E-01	5.E-02
123.5	7.1E-01	5.E-02
142.6	1.25	7.E-02
152.0	1.77	8.E-02
133.1	8.3E-01	5.E-02

- Encoding
- Convert...
- Cut
- Copy
- Paste
- Undo
- Redo
- Toggle bookmark
- Save document

Data Table

1	161.4	1.92	9.E-02
2	32.0	6.7E-01	5.E-02
3	37.3	7.2E-01	5.E-02
4	42.6	7.1E-01	5.E-02
5	26.7	6.4E-01	3.E-02
6	47.9	7.4E-01	5.E-02
7	58.3	6.6E-01	4.E-02
8	53.1	7.4E-01	4.E-02
9	63.5	5.5E-01	4.E-02
10	73.8	4.5E-01	3.E-02
11	78.9	4.2E-01	3.E-02
12	68.7	5.4E-01	4.E-02
13	84.0	5.6E-01	3.E-02
14	89.1	5.7E-01	3.E-02
15	94.1	6.1E-01	3.E-02
16	104.0	5.6E-01	4.E-02
17	113.8	6.7E-01	4.E-02
18	99.1	6.5E-01	5.E-02
19	123.5	7.1E-01	5.E-02
20	142.6	1.25	7.E-02
21	152.0	1.77	8.E-02
22	133.1	8.3E-01	5.E-02

Current Subentry
A1465002

DATA

Import Sort

Paste Chart

Clear 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

Clear Data Table

Export Data Table

Add Data Table

Cancel

EXFOR-Help

Help

DATA

Import Sort

Paste Chart

Clear Check

SIG1.txt

32.2	3.159	8.7E-02
37.5	2.525	1.14E-01
48.1		1.1E-01
58.6		4E-01
42.8		0E-01
53.4		E-02
26.9		E-02
63.8		5E-01
69.0		7E-01
74.2		E-02
79.3		E-02
89.4		E-02
94.4		E-02
99.4		E-02
104.4	2.193	7.1E-02
84.4	2.410	7.2E-02
114.2	2.378	7.6E-02
123.8	3.059	9.6E-02
142.8	5.580	1.32E-01
133.4	4.202	1.14E-01
152.2	6.073	1.40E-01
161.5	5.162	1.29E-01

Encoding
Convert...
Cut
Copy
Paste
Undo
Redo
Toggle bookmark
Save document

Data Table

Selected Row: 22

	ANG-CM	DATA-CM	DATA-ERR
	ADEG	MB/SR	MB/SR
4	42.6	7.1E-01	5.E-02
5	26.7	6.4E-01	3.E-02
6	47.9	7.4E-01	5.E-02
7	58.3	6.6E-01	4.E-02
8	53.1	7.4E-01	4.E-02
9	63.5	5.5E-01	4.E-02
10	73.8	4.5E-01	3.E-02
11	78.9	4.2E-01	3.E-02
12	68.7	5.4E-01	4.E-02
13	84.0	5.6E-01	3.E-02
14	89.1	5.7E-01	3.E-02
15	94.1	6.1E-01	3.E-02
16	104.0	5.6E-01	4.E-02
17	113.8	6.7E-01	4.E-02
18	99.1	6.5E-01	5.E-02
19	123.5	7.1E-01	5.E-02
20	142.6	1.25	7.E-02
21	152.0	1.77	8.E-02
22	133.1	8.3E-01	5.E-02
23	32.2	3.159	8.7E-02
24	37.5	2.525	1.14E-01
25	48.1	2.497	1.11E-01
26	58.6	3.002	1.24E-01
27	42.8	2.385	1.10E-01
28	53.4	2.732	8.2E-02
29	26.9	3.715	6.0E-02
30	63.8	3.025	1.25E-01
31	69.0	3.114	1.27E-01
32	74.2	2.487	6.9E-02

Paste

Preview

Separator

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

Line End

- <CR>
- <LF>
- <LF><CR>

Destination

Existing Table

Start Column Number: 1

Start Row Number: 46

Add to End of Table

New Table

OK Cancel Help

Current Subentry

F1288002

DATA

Import Sort

Paste Chart

Clear 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

Clear Data Table

Export Data Table

Add Data Table

Cancel

EXFOR-Help

Help

DATA

Import Sort

Paste Chart

Clear Check

Data Table

Selected Column: 1 Selected Row: 1

	E-LVL	ANG-CM	DATA-CM	DATA-ERR
	MEV	ADEG	MB/SR	MB/SR
1		161.4	1.92	9.E-02
2		32.0	6.7E-01	5.E-02
3		37.3	7.2E-01	5.E-02
4		42.6	7.1E-01	5.E-02
5		26.7	6.4E-01	3.E-02
6		47.9	7.4E-01	5.E-02
7		58.3	6.6E-01	4.E-02
8		53.1	7.4E-01	4.E-02
9		63.5	5.5E-01	4.E-02
10		73.8	4.5E-01	3.E-02
11		78.9	4.2E-01	3.E-02
12		68.7	5.4E-01	4.E-02
13		84.0	5.6E-01	3.E-02
14		89.1	5.7E-01	3.E-02
15		94.1	6.1E-01	3.E-02
16		104.0	5.6E-01	4.E-02
17		113.8	6.7E-01	4.E-02
18		99.1	6.5E-01	5.E-02
19		123.5	7.1E-01	5.E-02
20		142.6	1.25	7.E-02
21		152.0	1.77	8.E-02
22		133.1	8.3E-01	5.E-02
23		32.2	3.159	8.7E-02
24		37.5	2.525	1.14E-01
25		48.1	2.497	1.11E-01
26		58.6	3.002	1.24E-01
27		42.8	2.385	1.10E-01
28		53.4	2.732	8.2E-02
29		26.9	3.715	6.0E-02

Current Subentry
F1288002

DATA
Import Sort
Paste Chart
Clear 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
Clear Data Table
Export Data Table
Add Data Table
Cancel

EXFOR-Help
Help

- Insert new column in selected position;
- Set column headings and units;
- Use dictionary for search of headings and units.

Column Title for Data Table

Heading : E-LVL - Level energy

Units : MEV - MeV

Insert Column Cancel

Data Table

Selected Column: 1 Selected Row: 21

	E-LVL	ANG-CM	DATA-CM	DATA-ERR
	MEV	ADEG	MB/SR	MB/SR
1	0.	161.4	1.92	9.E-02
2	0.	32.0	6.7E-01	5.E-02
3	0.	37.3	7.2E-01	5.E-02
4	0.	42.6	7.1E-01	5.E-02
5	0.	26.7	6.4E-01	3.E-02
6	0.	47.9	7.4E-01	5.E-02
7	0.	58.3	6.6E-01	4.E-02
8	0.	53.1	7.4E-01	4.E-02
9	0.	63.5	5.5E-01	4.E-02
10	0.	73.8	4.5E-01	3.E-02
11	0.	78.9	4.2E-01	3.E-02
12	0.	68.7	5.4E-01	4.E-02
13	0.	84.0	5.6E-01	3.E-02
14	0.	89.1	5.7E-01	3.E-02
15	0.	94.1	6.1E-01	3.E-02
16	0.	104.0	5.6E-01	4.E-02
17	0.	113.8	6.7E-01	4.E-02
18	0.	99.1	6.5E-01	5.E-02
19	0.	123.5	7.1E-01	5.E-02
20	0.	142.6	1.25	7.E-02
21	0.	152.0	1.77	8.E-02
22	0.	133.1	8.3E-01	5.E-02
23		32.2	3.159	8.7E-02
24		37.5	2.525	1.14E-01
25		48.1	2.497	1.11E-01
26		58.6	3.002	1.24E-01
27		42.8	2.385	1.10E-01
28		53.4	2.732	8.2E-02
29		26.9	3.715	6.0E-02

Current Subentry: F1288002

DATA: Import, Sort, Paste, Chart, Clear, 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, Clear Data Table, Export Data Table, Add Data Table, Cancel

EXFOR-Help, Help

- Set constant value for selected column;
- Set constant value in selected rows.

Column Value Set

Column Name: E-LVL Constant Value: 0.

Start Row: 1 End Row: 22

OK, Cancel, Help

Data Table

Selected Column: 1 Selected Row: 23

	E-LVL	ANG-CM	DATA-CM	DATA-ERR
	MEV	ADEG	MB/SR	MB/SR
16	0.	104.0	5.6E-01	4.E-02
17	0.	113.8	6.7E-01	4.E-02
18	0.	99.1	6.5E-01	5.E-02
19	0.	123.5	7.1E-01	5.E-02
20	0.	142.6	1.25	7.E-02
21	0.	152.0	1.77	8.E-02
22	0.	133.1	8.3E-01	5.E-02
23	1.369	32.2	3.159	8.7E-02
24	1.369	37.5	2.525	1.14E-01
25	1.369	48.1	2.497	1.11E-01
26	1.369	58.6	3.002	1.24E-01
27	1.369	42.8	2.385	1.10E-01
28	1.369	53.4	2.732	8.2E-02
29	1.369	26.9	3.715	6.0E-02
30	1.369	63.8	3.025	1.25E-01
31	1.369	69.0	3.114	1.27E-01
32	1.369	74.2	2.487	6.9E-02
33	1.369	79.3	2.461	6.6E-02
34	1.369	89.4	2.387	4.7E-02
35	1.369	94.4	2.362	6.1E-02
36	1.369	99.4	2.164	5.2E-02
37	1.369	104.4	2.193	7.1E-02
38	1.369	84.4	2.410	7.2E-02
39	1.369	114.2	2.378	7.6E-02
40	1.369	123.8	3.059	9.6E-02
41	1.369	142.8	5.580	1.32E-01
42	1.369	133.4	4.202	1.14E-01
43	1.369	152.2	6.073	1.40E-01
44	1.369	161.5	5.162	1.29E-01

Current Subentry
F1288002

DATA
Import Sort
Paste Chart
Clear 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
Clear Data Table
Export Data Table
Add Data Table
Cancel

EXFOR-Help
Help

- Set constant value for selected column;
- Set constant value in selected rows.

Column Value Set

Column Name: E-LVL Constant Value: 1.369

Start Row: 23 End Row: 44

OK Cancel Help

Data Table

Selected Column: 1 Selected Row: 36

	E-LVL	ANG-CM	DATA-CM	DATA-ERR
	MEV	ADEG	MB/SR	MB/SR
8	0.	63.5	5.5E-01	4.E-02
9	0.	68.7	5.4E-01	4.E-02
10	0.	73.8	4.5E-01	3.E-02
11	0.	78.9	4.2E-01	3.E-02
12	0.	84.0	5.6E-01	3.E-02
13	0.	89.1	5.7E-01	3.E-02
14	0.	94.1	6.1E-01	3.E-02
15	0.	99.1	6.5E-01	5.E-02
16	0.	104.0	5.6E-01	4.E-02
17	0.	113.8	6.7E-01	4.E-02
18	0.	123.5	7.1E-01	5.E-02
19	0.	133.1	8.3E-01	5.E-02
20	0.	142.6	1.25	7.E-02
21	0.	152.0	1.77	8.E-02
22	0.	161.4	1.92	9.E-02
23	1.369	26.9	3.715	6.0E-02
24	1.369	32.2	3.159	8.7E-02
25	1.369	37.5	2.525	1.14E-01
26	1.369	42.8	2.385	1.10E-01
27	1.369	48.1	2.497	1.11E-01
28	1.369	53.4	2.732	8.2E-02
29	1.369	58.6	3.002	1.24E-01
30	1.369	63.8	3.025	1.25E-01
31	1.369	69.0	3.114	1.27E-01
32	1.369	74.2	2.487	6.9E-02
33	1.369	79.3	2.461	6.6E-02
34	1.369	84.4	2.410	7.2E-02
35	1.369	89.4	2.387	4.7E-02
36	1.369	94.4	2.362	6.1E-02

Data Sort

Choose Table Columns to Sort

Primary Sort Key: E-LVL

Secondary Sort Key: ANG-CM

Last Sort Key: [Empty]

E-LVL
ANG-CM
DATA-CM
DATA-ERR

Data sorting was done using E-LVL and ANG-CM sort keys.

- Set data presentation format;
- Set parameters for precision.

Table

Precision for Table

Clear Data Table

Export Data Table

Add Data Table

Cancel



Set Precision for DATA Table

COLUMNS
E-LVL
ANG-CM
DATA-CM
DATA-ERR

Precision for DATA-CM

Number Format

Fixed Point Format

Scientific Format

Scientific Format

Number of digits before 'E': 3

(without sign and point)

Minimum number of digits after 'E' (without sign): 2

Erase Trailing Zero

Example: **1.00E+00**

OK

Cancel

Help

Default Values

Load

Save

- Set data presentation format;
- Set parameters for precision.

Data Table _ □ ×

Selected Column: 1 Selected Row: 2

	E-LVL	ANG-CM	DATA-CM	DATA-ERR
	MEV	ADEG	MB/SR	MB/SR
1	0.	26.7	6.40E-01	3.00E-02
2	0.	32.0	6.70E-01	5.00E-02
3	0.	37.3	7.20E-01	5.00E-02
4	0.	42.6	7.10E-01	5.00E-02
5	0.	47.9	7.40E-01	5.00E-02
6	0.	53.1	7.40E-01	4.00E-02
7	0.	58.3	6.60E-01	4.00E-02
8	0.	63.5	5.50E-01	4.00E-02
9	0.	68.7	5.40E-01	4.00E-02
10	0.	73.8	4.50E-01	3.00E-02
11	0.	78.9	4.20E-01	3.00E-02
12	0.	84.0	5.60E-01	3.00E-02
13	0.	89.1	5.70E-01	3.00E-02
14	0.	94.1	6.10E-01	3.00E-02
15	0.	99.1	6.50E-01	5.00E-02
16	0.	104.0	5.60E-01	4.00E-02
17	0.	113.8	6.70E-01	4.00E-02
18	0.	123.5	7.10E-01	5.00E-02
19	0.	133.1	8.30E-01	5.00E-02
20	0.	142.6	1.25E+00	7.00E-02
21	0.	152.0	1.77E+00	8.00E-02
22	0.	161.4	1.92E+00	9.00E-02
23	1.369	26.9	3.72E+00	6.00E-02
24	1.369	32.2	3.16E+00	8.70E-02
25	1.369	37.5	2.53E+00	1.14E-01
26	1.369	42.8	2.38E+00	1.10E-01
27	1.369	48.1	2.50E+00	1.11E-01
28	1.369	53.4	2.73E+00	8.20E-02
29	1.369	58.6	3.00E+00	1.24E-01

Current Subentry
F1288002

DATA

Import Sort

Paste Chart

Clear 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

Clear Data Table

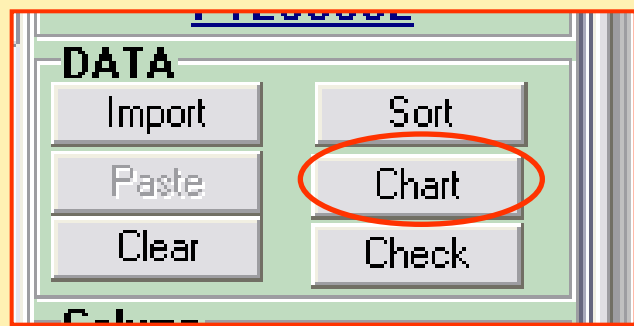
Export Data Table

Add Data Table

Cancel

EXFOR-Help

Help



- Set invariable parameters;
- Set axes parameters;
- Set errors.

Data Chart

Options | Chart

Invariable Parameters

Parameter 1: E-LVL Parameter 2: []

Abscissa axis

X-value: ANG-CM Type Error: Simmetric Unsimmetric Error: []

Ordinate axis

Y-value: DATA-CM Type Error: Simmetric Unsimmetric Error: DATA-ERR

DATA

Import Sort

Paste **Chart**

Clear Check

Plotted data. E-LVL=0 MeV

Data Chart

Options Chart

Information about Chart
Reaction: **[13-AL-27(P,A)12-MG-24,PAR,DA]**

Status:

Legend:

- E-LVL: 0
- DATA-ERR(0)
- E-LVL: 1.369
- DATA-ERR(1.369)

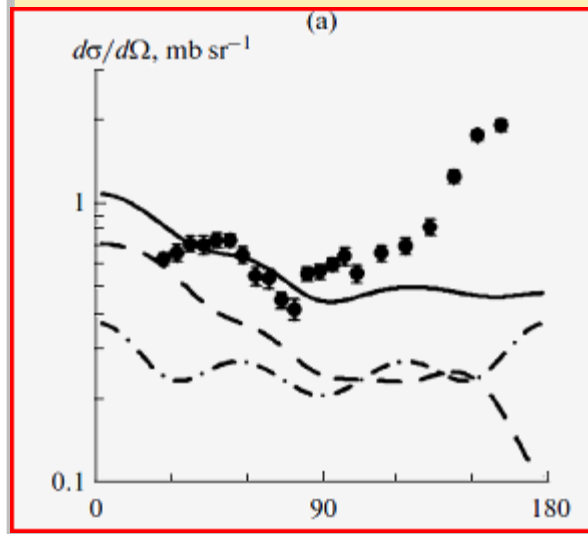
Statistic Information E-LVL: 0:
 First Point : 26.700, 0.640
 Last Point : 161.400, 1.920
 Number of values: 22
 Maximum value: 1.92 at position 21
 Minimum value: 0.42 at position 10
 Range: 1.5

Scale Marker Position
 Value X: **94.100**
 Value Y: **1.550**

Logarithmic Y Scale
 Logarithmic X Scale
 Show Values

Left Axis Type
 Single Axis
 Multiple Axes

Buttons: Load Background, Print, Change Axes Scale, Export



DATA

Import Sort

Paste **Chart**

Clear Check

Plotted data. E-LVL=1.369 MeV

Data Chart

Options Chart

Information about Chart
Reaction: **[13-AL-27(P,A)12-MG-24,PAR,DA]**

Status:

Legend:

- E-LVL: 0
- DATA-ERR(0)
- E-LVL: 1.369
- DATA-ERR(1.369)

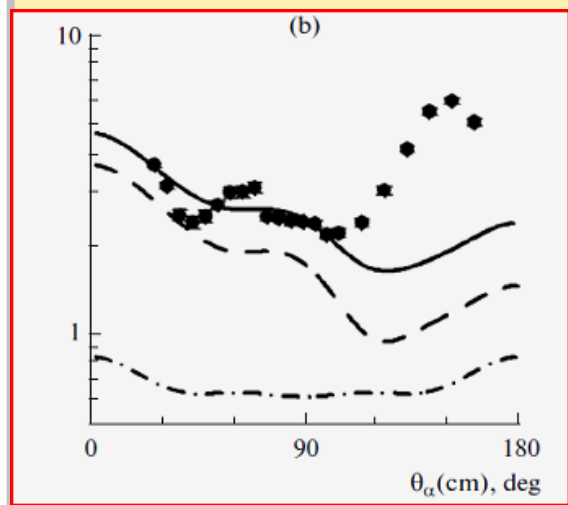
Statistic Information E-LVL: 1.369
 First Point : 26.900, 3.720
 Last Point : 161.500, 5.160
 Number of values: 22
 Maximum value: 6.07 at position 20
 Minimum value: 2.16 at position 14
 Range: 3.91

Scale Marker Position
 Value X: **14.090**
 Value Y: **5.250**

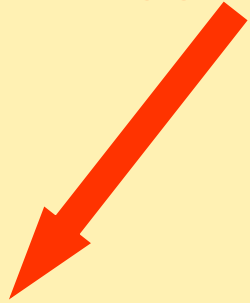
Logarithmic Y Scale
 Logarithmic X Scale
 Show Values

Left Axis Type
 Single Axis
 Multiple Axes

Buttons: Load Background, Print, Change Axes Scale, Export



Incorrect data have been entered



HOW

Add	Insert
Copy	Delete
Move Up	Move Down

Undo

Undo Last Action

Table

Precision for Table

Clear Data Table

Export Data Table

Confirmation

?

Close without Data Table Saving?

Yes No

Everything is OK



Clear Data Table

Export Data Table

Add Data Table

Cancel



E-LVL	ANG-CM	DATA-CM	DATA-ERR
MEV	ADEG	MB/SR	MB/SR
0.	26.7	6.40E-01	3.00E-02
0.	32.0	6.70E-01	5.00E-02
0.	37.3	7.20E-01	5.00E-02
0.	42.6	7.10E-01	5.00E-02
0.	47.9	7.40E-01	5.00E-02
0.	53.1	7.40E-01	4.00E-02
0.	58.3	6.60E-01	4.00E-02
0.	63.5	5.50E-01	4.00E-02
0.	68.7	5.40E-01	4.00E-02
0.	73.8	4.50E-01	3.00E-02
0.	78.9	4.20E-01	3.00E-02
0.	84.0	5.60E-01	3.00E-02
0.	89.1	5.70E-01	3.00E-02
0.	94.1	6.10E-01	3.00E-02
0.	99.1	6.50E-01	5.00E-02
0.	104.0	5.60E-01	4.00E-02
0.	113.8	6.70E-01	4.00E-02
0.	123.5	7.10E-01	5.00E-02
0.	133.1	8.30E-01	5.00E-02
0.	142.6	1.25E+00	7.00E-02
0.	152.0	1.77E+00	8.00E-02
0.	161.4	1.92E+00	9.00E-02
1.369	26.9	3.72E+00	6.00E-02
1.369	32.2	3.16E+00	8.70E-02
1.369	37.5	2.53E+00	1.14E-01
1.369	42.8	2.38E+00	1.10E-01
1.369	48.1	2.50E+00	1.11E-01
1.369	53.4	2.73E+00	8.20E-02
1.369	58.6	3.00E+00	1.24E-01
1.369	63.8	3.03E+00	1.25E-01
1.369	69.0	3.11E+00	1.27E-01

File Section input Keyword input Edit Processing Tools Help

Renumber Subentries before Ordering
 Use 67-80 Columns

EXFOR file Wizard Dummy Sort Chart Order Check Checker Spell Check Num.Check X4+ Viewer

Entry Number: F1288 Set Entry Date: 20160922 Set

TITLE AUTHOR INSTITUTE REFERENCE FACILITY INC-SOURCE DETECTOR SAMPLE METHOD ANALYSIS ERR-ANALYS REACTION CURRENT EDIT ENTRY Title

DECAY-DATA HALF-LIFE PART-DET ADD-RES MONITOR MONIT-REF REL-REF COMMENT CRITIQUE FLAG STATUS

SUBENTRY001 SUBENTRY001-wizard SUBENTRY SUBENTRY-wizard COMMON DATA Alteration Flag C Alteration Flag I Code A to HISTORY Record

EXFOR File Structure

- ENTRY F1288
 - SUBENT F1288001
 - BIB
 - TITLE
 - AUTHOR
 - INSTITUTE
 - REFERENCE
 - FACILITY
 - SAMPLE
 - DETECTOR
 - METHOD
 - STATUS
 - ERR-ANALYS
 - HISTORY
 - ENDBIB
 - COMMON
 - ENDSUBENT
 - SUBENT F1288002
 - BIB
 - REACTION
 - ENDBIB
 - NOCOMMON
 - DATA
 - ENDDATA
 - ENDSUBENT
 - ENDENTRY

Column: 67 Row: 42 Total: 93 Insert D:\DIGITIZER_3_0\INPGRAPHWZRD_17\INPGRAPHWZRD\SRC\F1288_1 SUBENTRY F1288002 No COMMON se

NOCOMMON	DATA	E-LVL	ANG-CM	DATA-CM	DATA-ERR
MEV	ADEG	MB/SR	MB/SR	MB/SR	MB/SR
0	0	0.	26.7	6.40E-01	3.00E-02
0.	4	0.	32.0	6.70E-01	5.00E-02
0.	44	0.	37.3	7.20E-01	5.00E-02
0.		0.	42.6	7.10E-01	5.00E-02
0.		0.	47.9	7.40E-01	5.00E-02
0.		0.	53.1	7.40E-01	4.00E-02
0.		0.	58.3	6.60E-01	4.00E-02
0.		0.	63.5	5.50E-01	4.00E-02
0.		0.	68.7	5.40E-01	4.00E-02
0.		0.	73.8	4.50E-01	3.00E-02
0.		0.	78.9	4.20E-01	3.00E-02
0.		0.	84.0	5.60E-01	3.00E-02
0.		0.	89.1	5.70E-01	3.00E-02
0.		0.	94.1	6.10E-01	3.00E-02
0.		0.	99.1	6.50E-01	5.00E-02
0.		0.	104.0	5.60E-01	4.00E-02
0.		0.	113.8	6.70E-01	4.00E-02
0.		0.	123.5	7.10E-01	5.00E-02
0.		0.	133.1	8.30E-01	5.00E-02
0.		0.	142.6	1.25E+00	7.00E-02
0.		0.	152.0	1.77E+00	8.00E-02
0.		0.	161.4	1.92E+00	9.00E-02
1.369		0.	26.9	3.72E+00	6.00E-02
1.369		0.	32.2	3.16E+00	8.70E-02
1.369		0.	37.5	2.53E+00	1.14E-01
1.369		0.	42.6	2.38E+00	1.10E-01
1.369		0.	48.1	2.50E+00	1.11E-01
1.369		0.	53.4	2.73E+00	8.20E-02
1.369		0.	58.6	3.00E+00	1.24E-01
1.369		0.	63.8	3.03E+00	1.25E-01
1.369		0.	69.0	3.11E+00	1.27E-01

EXFOR Dictionary Panel

- 001 - System Identifiers
- 002 - Information Identifiers
- 003 - Institute Codes
- 004 - Reference Type
- 005 - Journal Codes
- 006 - Reports
- 007 - Conference Codes
- 008 - Elements
- 015 - History codes
- 016 - Status codes
- 017 - Related Reference Codes
- 018 - Facility Codes
- 019 - Incident Source Codes
- 020 - Additional Result Codes
- 021 - Method Codes
- 022 - Detector Codes
- 023 - Analysis Codes
- 024 - Data Headings
- 025 - Data Units
- 027 - Nuclides
- 030 - Processes [REACTION SF 3]
- 031 - Branch Codes [REACTION SF 5]
- 032 - Parameters [REACTION SF 6]
- 033 - Particles
- 034 - Modifiers [REACTION SF 8]
- 035 - Data Types [REACTION SF 9]
- 036 - Quantities [REACTION SF 5-8]
- 037 - Result codes
- 043 - NLIB for evaluated libraries
- 045 - New CINDA quantities
- 047 - Old / New CINDA quantities
- 048 - Alphabetic energy values
- 052 - CINDA Reader Codes
- 113 - Web quantities
- 144 - Data Libraries for new CINDA
- 207 - Book Codes
- 209 - Compounds
- 213 - Reaction Type with CINDA quant
- 227 - Nuclides and nat.isot mixtures
- 235 - Work Type
- 236 - Quantities [REACTION SF 5-8]

Text to find: Find

- Data Table mode usage for Exfor library has been presented;
- The following data procedures have been demonstrated:
 - Paste data from external file;
 - Insert new column;
 - Set constant value;
 - Data sort;
 - Precision for data table;
 - Data chart.



Thank you!