

### Suspicious EXFOR entries

This summer Arjan Koning sent a list of 55 suspicious EXFOR subentries to us at NDS. (It is the same list of EXFOR subentries which was given in th Working Paper WP2006-3 on the last meeting).

We checked it and below we summarize the results. Both Arjan's input and our detailed reply are attached to this message.

Our checking can be summarized as follows:

- From the list of 55 suspicious subentries, 36 turned out to be correct (in the sense that EXFOR correctly reports the published results). In 7 of these cases, the C4 computational format generates impossible cosines ( $<-1$  or  $>1$ ) where EXFOR has ordinary angles in degrees. This is probably something for Andrej Trkov to look at, it is not a problem of the EXFOR database.
- 16 cases are actual errors in EXFOR, mostly wrong units. Most corrections were already performed locally and will appear in the next database upgrade. See the attached list for details.
- From the 3 remaining cases, one continues to be suspicious but cannot be resolved for lack of information, 1 will be checked in August, and one is a question of digitizing uncertainty. See attachment for details.

This was an interesting exercise because it shows us a typical pattern of EXFOR data which appear problematic:

- 1 - Some data are actually wrong, most often because of wrong units (b vs. mb etc.)
- 2 - Incorrect translation from EXFOR to computational format C4
- 3 - Unclear interpretation of the EXFOR quantities
- 4 - Unusual (or questionable) published data, showing up in EXFOR as in the publication

The treatment of case 1 is straightforward - report mistakes to NDS, we will take care of corrections with the help of our data centres network. (In most cases this is straightforward, but occasionally the actual intention of the authors can no longer be verified, so we may not be able to actually change a suspicious number in the database, but only add a "footnote" pointing out a suspected mistake.)

While it is of course essential to find and correct all these mistakes, it is important to note that these cases (1) are a minority of the "suspicious" entries. After completion of the work of SG30, also cases (2) and (3) should no longer appear (and it will, in our opinion, remain the evaluators' job to decide what to do with cases (4)).

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## Result of checking A. Koning's "List of suspicious EXFOR data" (sent to NDS on 29 June 2007)

	Subent	Error	reference	reaction	Decision
1.	10772004	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	BAP,17,687(FD10), 7205	46-PD-110(N,2N)46-PD-109-M,,SIG	It is impossible to check. Data are from private comm. and Entry approved by author. Any way it is not just conversion from barn to millibarn. It is max. 10 times grater than other. <b>We cannot change the data, only add compiler's comment about our suspicion.</b>
2.	10876005	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP/A,332,297,79	47-AG-107(N,INL)47-AG-107,PAR,SIG (b)	Barn → MB <b>Error.</b> Corrected, will appear in web-EXFOR in August.
3.	11045002	Suspicious data set: Possible angle problem: cosine $< -1$ or $> 1$	PR,82,190,51	1-H-0(N,EL)1-H-0,,DA	<b>Not an error.</b> The same as in article 180 degr in c.m.
4.	11276019	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	P,COO-1573-33,2,67	29-CU-65(N,INL)29-CU-65,PAR,SIG	<b>Error.</b> Corrected, will appear in web-EXFOR in August.
5.	11286018	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP,53,177,6404	16-S-0(N,INL)16-S-32,PAR,SIG (b)	Barn → MB <b>Error.</b> Corrected, will appear in web- EXFOR in August.
6.	12797005	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	R,ANL-NDM-70,8207	41-NB-93(N,INL)41-NB-93,PAR,SIG (b)	Mistake in two points. <b>Error.</b> Corrected, will appear in web- EXFOR in August.
7.	20033003	Suspicious data set: $x_s > 4$ barn	EANDC(OR)-38,1,6504	37-RB-85(N,2N)37-RB-84,,SIG (b)	Probably (MB) (NEA DB). <b>Will be checked in August.</b>

		for E > 1 MeV			
8.	21080008	Suspicious data set: xs > 4 barn for E > 1 MeV	PR,140,B835,196511	13-AL-27(N,INL)13-AL-27,PAR,SIG	<b>Not an error.</b> The same as in article
9.	21089018	Suspicious data set: xs > 4 barn for E > 1 MeV	NP,32,610,6205	11-NA-23(N,INL)11-NA-23,PAR,SIG (B)	Barn → MB (NEA DB). <b>Error.</b> Corrected, will appear in web- EXFOR in August.
10.	21786003	Suspicious data set: xs > 4 barn for E > 1 MeV	PRE/A,161,248,3708	47-AG-0(N,G),,SIG (b)	/10. in the article: 7x10**25 cm2 (NEA DB). <b>Error.</b> Corrected, will appear in web- EXFOR in August.
11.	30322016	Suspicious data set: xs > 4 barn for E > 1 MeV	JRC,14,201,73	70-YB-176(N,2N)70-YB-175-M,,SIG	<b>Not an error.</b> The same as in article
12.	31161010	Suspicious data set: xs > 4 barn for E > 1 MeV	PPS,77,508,61	47-AG-107(N,2N)47-AG-106-M,,SIG	<b>Not an error.</b> The same as in article DATA-APRX
13.	40572009	Suspicious data set: Possible angle problem: cosine < -1 or > 1	C,80KIEV,1,314,198009 YF,31,(1),13,198001	28-NI-60(N,INL)28-NI-60,PAR,DA	<b>Not an error.</b> 20-150 degr. In all subents are the same range of angles
14.	40572010	Suspicious data set: Possible angle problem: cosine < - 1 or > 1	C,80KIEV,1,314,198009 YF,31,(1),13,198001	28-NI-64(N,INL)28-NI-64,PAR,DA	<b>Not an error.</b> 20-150 degr. In all subents are the same range of angles
15.	40572011	Suspicious data set: Possible angle problem: cosine < - 1 or > 1	C,80KIEV,1,314,198009 YF,31,(1),13,198001	28-NI-62(N,INL)28-NI-62,PAR,DA	<b>Not an error.</b> 20-150 degr. In all subents are the same range of angles
16.	40618004	Suspicious data	UFZ,25,(1),109,8001	14-SI-28(N,INL)14-SI-	<b>Not an error.</b>

		set: Possible angle problem: cosine < 1 or > 1		28,PAR,DA	20-150 degr. In all subents are the same range of angles
17.	40618005	Suspicious data set: Possible angle problem: cosine < - 1 or > 1	UFZ,25,(1),109,8001	16-S-32(N,INL)16-S-32,PAR,DA	<b>Not an error.</b> 20-150 degr. In all subents are the same range of angles
18.	41102009	Suspicious data set: xs > 4 barn for E > 1 MeV	YF,32,(1),37,198007	79-AU-197(N,X)0-NN-1,,SIG (B)	<b>Not an error.</b> The same as in article
19.	41102010	Suspicious data set: xs > 4 barn for E > 1 MeV	YF,32,(1),37,198007	83-BI-209(N,X)0-NN-1,,SIG (B)	<b>Not an error.</b> The same as in article
20.	41156008	Suspicious data set: xs > 4 barn for E > 1 MeV	YK,,(4),93,199203	82-PB-208(N,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
21.	41156011	Suspicious data set: xs > 4 barn for E > 1 MeV	YK,,(4),93,199203	83-BI-209(N,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
22.	A0109007	Suspicious data set: xs > 4 barn for E > 1 MeV	YK,,(1),28,81	27-CO-59(3-LI-6,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
23.	A0361003	Suspicious data set: xs > 4 barn for E > 1 MeV	RM,31,527,1999	79-AU-197(92-U-238,NON),,SIG	<b>Not an error.</b> The same as in article
24.	A0569003 3	Suspicious data set: xs > 4 barn for E > 1 MeV	ARI,41,177,90 (MUCI/MUAHR) →MB	48-CD-114(P,N)49-IN-114-M,,SIG	→MB (CAJaD) <b>Error.</b> Corrected, will appear in web- EXFOR in August.
25.	A0569004	Suspicious data	ARI,41,177,90	48-CD-0(P,X)49-IN-114-	→MB (CAJaD) <b>Error.</b> Corrected, will

	3	set: $x_s > 4$ barn for $E > 1$ MeV	(MUCI/MUAHR) →MB	M,,SIG	appear in web- EXFOR in August.
26.	A1508005	Suspicious data set: Possible angle problem: cosine $< -1$ or $> 1$	R,CEA-R-3727,,1969	3-LI-6(P,EL)3-LI-6,,DA	Yes, $\cos > 1.1006$ , but digitizing error = 0.01. <b>Modify C4 program to take care of such cases?</b>
27.	C0230002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PRL,27,875,71	5-B-11(P,X)4-BE-7,,SIG	<b>Error.</b> Corrected, will appear in web-EXFOR in August.
28.	C0230003 2	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PRL,27,875,71 (data from the abstract of the article)	5-B-11(P,X)4-BE-10,,SIG→5-B-11(P,2P)4-BE-10,,SIG	Barn→ MB (NNDC) <b>Error.</b> Corrected, will appear in web- EXFOR in August.
29.	C0829002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR,129,2653,196303	20-CA-40(A,X)21-SC-42-M,,SIG	Barn→ MB (NNDC) <b>Error.</b> Corrected, will appear in web- EXFOR in August.
30.	C0884006	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR,19,659,197903→ PR/C,19,659,197903	28-NI-58(D,NON)1-H-1,,SIG	<b>Not an error.</b> The same as in article
31.	C1047003	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR,95,1502,195409	73-TA-181(D,X)54-XE-127,,SIG	Barn→ MB (NNDC) <b>Error.</b> Corrected, will appear in web- EXFOR in August.
32.	C1047004	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR,95,1502,195409	73-TA-181(D,X)54-XE-128,,SIG	Barn→ MB (NNDC) <b>Error.</b> Corrected, will appear in web- EXFOR in August.
33.	C1249003	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,62,024608,200 0	82-PB-0(2-HE-6,NON),,SIG	<b>Not an error.</b> The same as in article
34.	C1249004	Suspicious data	PR/C,62,024608,200	82-PB-0(2-HE-	<b>Not an error.</b>

		set: $x_s > 4$ barn for $E > 1$ MeV	0	8,NON),,SIG	The same as in article
35.	C1249009	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,62,024608,200 0	82-PB-0(3-LI- 11,NON),,SIG	<b>Not an error.</b> The same as in article
36.	C1249012	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,62,024608,200 0	82-PB-0(3-LI- 11,2N),,SIG	<b>Not an error.</b> The same as in article
37.	C1250021	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,64,044611,200 1	82-PB-0(4-BE- 11,NON),,SIG	<b>Not an error.</b> The same as in article
38.	C1250022	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,64,044611,200 1	82-PB-0(4-BE- 12,NON),,SIG	<b>Not an error.</b> The same as in article
39.	D4038002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	RCA,65,1,1994	83-BI-209(P,X)80-HG- 203,,SIG	<b>Error</b> in EXFOR. MBarn → nanoB (will be corrected in the middle of August)
40.	L0074002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	AAB,43,571,1971 (Anais da Academia Brasileira de Ciencias)	92-U-0(G,F),,SIG	<b>Error.</b> Barn → MB Corrected, will appear in web- EXFOR in August.
41.	L0074003	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	AAB,43,571,1971 (Anais da Academia Brasileira de Ciencias) (DR)	90-TH-232(G,F),,SIG	<b>Error.</b> Barn → MB Corrected, will appear in web- EXFOR in August.
42.	M042000 2	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,21,2328,1980	73-TA-181(G,ABS),,SIG	<b>Not an error.</b> The same as in article

43.	M042000 3	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR/C,21,2328,1980	83-BI-209(G,ABS),,SIG	<b>Not an error.</b> The same as in article
44.	O0046005 1	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NC/A,30,320,1975	79-AU-197(P,X)1-H-1,,SIG	<b>Not an error.</b> The same as in article
45.	O0678005	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP/A,657,317,1999	26-FE-0(P,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
46.	O0678009	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP/A,657,317,1999	79-AU-197(P,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
47.	O0678010	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP/A,657,317,1999	80-HG-0(P,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
48.	O0678012	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	NP/A,657,317,1999	82-PB-0(P,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
49.	O0726011	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PR,177,1671,1969	49-IN-115(P,X)0-NN-1,,SIG	<b>Not an error.</b> The same as in article
50.	O0955002 2	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	ZP/A,355,69,1996	82-PB-208(92-U-238,NON),,SIG	<b>Not an error.</b> The same as in article
51.	O0955003 2	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	ZP/A,355,69,1996	29-CU-0(92-U-238,NON),,SIG	<b>Not an error.</b> The same as in article
52.	O0955004 2	Suspicious data set: $x_s > 4$ barn	ZP/A,355,69,1996	13-AL-27(92-U-238,NON),,SIG	<b>Not an error.</b> The same as in article

		for $E > 1$ MeV			
53.	O1055003 2	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PRM,53,563,1999	73-TA-181(8-O-16,F),,DA,FF,RSD	<b>Not an error.</b> The same as in article (no dimension; ratio to 90 degr.)
54.	O1116002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	JP/G,21,399,1995	23-V-51(A,N)25-MN-54,,SIG	<b>Not an error.</b> The same as in article
55.	O1180002	Suspicious data set: $x_s > 4$ barn for $E > 1$ MeV	PRM,49,253,1997	13-AL-27(A,N+2A)11-NA-22,,SIG	<b>Not an error.</b> The same as in article



# 1 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry 10772004

#Author R.L.White+

#Year 1972

#Reaction 46-PD-110(N,2N)46-PD-109-M,,SIG

1 46110 3 16MA 1.5900+7 4.450000 0.330000

R.L.WHITE,ET.AL. (72) 10772 4

1 46110 3 16MA 1.6300+7 4.900000 0.330000

R.L.WHITE,ET.AL. (72) 10772 4

# 2 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry 10876005

#Author A.Smith+

#Year 1979

#Reaction 47-AG-107(N,INL)47-AG-107,PAR,SIG

1 47107 3 51 A 1500000. 165.0000 60.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1600000. 208.0000 60.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1700000. 150.0000 60.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1800000. 165.0000 60.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2500000. 66.00000 35.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 3000000. 50.00000 25.00000

103000.0 103000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1500000. 354.0000 40.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1600000. 370.0000 50.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1700000. 349.0000 50.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1800000. 323.0000 30.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1900000. 263.0000 40.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2000000. 265.0000 25.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2200000. 207.0000 25.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2400000. 186.0000 30.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2500000. 126.0000 25.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 3000000. 59.00000 20.00000

327000.0 327000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1600000. 209.0000 50.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1700000. 274.0000 50.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1800000. 278.0000 50.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 1900000. 193.0000 50.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2000000. 244.0000 50.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2200000. 236.0000 40.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2400000. 197.0000 40.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107 3 51 A 2500000. 154.0000 40.00000

425000.0 425000.0 E2A.SMITH,ET.AL. (79) 10876 5

1 47107	3 51 A	2400000.	318.0000	50.00000	327000.0	425000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2600000.	210.0000	50.00000	327000.0	425000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2800000.	205.0000	50.00000	327000.0	425000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3000000.	189.0000	40.00000	327000.0	425000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3200000.	172.0000	40.00000	327000.0	425000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1600000.	257.0000	40.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1700000.	256.0000	40.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1800000.	304.0000	40.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1900000.	246.0000	35.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2000000.	230.0000	20.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2200000.	192.0000	30.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2400000.	159.0000	30.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2500000.	113.0000	20.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2600000.	128.0000	20.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2800000.	85.00000	20.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3000000.	58.00000	15.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3200000.	48.00000	15.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3400000.	42.00000	15.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3500000.	26.00000	10.00000	769000.0	769000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1700000.	469.0000	70.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1800000.	407.0000	60.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1900000.	393.0000	50.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2000000.	356.0000	30.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2200000.	338.0000	35.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2400000.	233.0000	30.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2500000.	187.0000	15.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2600000.	185.0000	18.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2800000.	128.0000	20.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3000000.	109.0000	15.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3200000.	83.00000	20.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3400000.	76.00000	20.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3500000.	72.00000	25.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	3600000.	82.00000	30.00000	948000.0	948000.0	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	1900000.	276.0000	100.0000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2000000.	279.0000	30.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3 51 A	2200000.	210.0000	50.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5

1 47107	3	51	A	2400000.	185.0000	40.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	126.0000	30.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	117.0000	40.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	98.00000	30.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	66.00000	20.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	65.00000	20.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	42.00000	15.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	38.00000	15.00000	1151000.	1151000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2400000.	120.0000	30.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	129.0000	30.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	161.0000	50.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	50.00000	20.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	33.00000	15.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	48.00000	15.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	33.00000	15.00000	1242000.	1242000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2100000.	229.0000	80.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2400000.	217.0000	40.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	232.0000	40.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	274.0000	70.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	113.0000	30.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	116.0000	25.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	99.00000	20.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	66.00000	18.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	60.00000	15.00000	1242000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2400000.	112.0000	40.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	103.0000	25.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	105.0000	30.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	66.00000	15.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	51.00000	18.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	33.00000	15.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	27.00000	15.00000	1326000.	1326000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2400000.	96.00000	30.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	73.00000	20.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	74.00000	25.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	57.00000	20.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	68.00000	20.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5

1 47107	3	51	A	3400000.	30.00000	20.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	26.00000	20.00000	1386000.	1386000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2400000.	222.0000	60.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	195.0000	50.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	153.0000	60.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	139.0000	40.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	126.0000	25.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	74.00000	25.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	57.00000	20.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	42.00000	20.00000	1487000.	1487000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2500000.	198.0000	40.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2600000.	252.0000	50.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	155.0000	40.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	132.0000	30.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	93.00000	30.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	97.00000	30.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	62.00000	30.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3600000.	53.00000	25.00000	1632000.	1632000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	2800000.	278.0000	80.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	250.0000	60.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	269.0000	80.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	186.0000	60.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	196.0000	60.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3600000.	118.0000	50.00000	1870000.	1942000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	162.0000	50.00000	2039000.	2039000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	90.00000	35.00000	2039000.	2039000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	173.0000	50.00000	2164000.	2164000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3200000.	207.0000	50.00000	2164000.	2164000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	89.00000	40.00000	2164000.	2164000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3500000.	150.0000	50.00000	2164000.	2164000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3600000.	180.0000	50.00000	2164000.	2164000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	100.0000	30.00000	2270000.	2270000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	102.0000	30.00000	2270000.	2270000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3000000.	143.0000	40.00000	2314000.	2314000.	E2A.SMITH,ET.AL. (79)	10876	5
1 47107	3	51	A	3400000.	139.0000	40.00000	2314000.	2314000.	E2A.SMITH,ET.AL. (79)	10876	5

# 3 Suspicious data set: Possible angle problem: cosine < 1 or > 1

#Subentry 11045002  
 #Author J.E.Brolley Jr+  
 #Year 1951  
 #Reaction 1-H-0(N,EL)1-H-0,,DA  
 1 1000 4 2 C 2.7200+7 600000.0 0.026000 0.018000 76.00000 75.75883 J.E.BROLLEY JR, (51) 11045 2  
 1 1000 4 2 C 2.7200+7 600000.0 0.025200 0.018000 90.00000 90.00000 J.E.BROLLEY JR, (51) 11045 2  
 1 1000 4 2 C 2.7200+7 600000.0 0.028000 0.018000 105.0000 105.2580 J.E.BROLLEY JR, (51) 11045 2  
 1 1000 4 2 C 2.7200+7 600000.0 0.028600 0.013000 120.0000 120.4985 J.E.BROLLEY JR, (51) 11045 2  
 1 1000 4 2 C 2.7200+7 600000.0 0.031200 0.013000 150.0000 150.8634 J.E.BROLLEY JR, (51) 11045 2  
 1 1000 4 2 C 2.7200+7 600000.0 0.033200 0.013000 180.0000 180.9969 J.E.BROLLEY JR, (51) 11045 2  
 # 4 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 11276019  
 #Author W.L.Rodgers+  
 #Year 1967  
 #Reaction 29-CU-65(N,INL)29-CU-65,PAR,SIG  
 1 29065 3 4 2330000. 622.0000 19.00000 W.L.RODGERS,ET.AL. (67) 11276 19  
 # 5 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 11286018  
 #Author R.L.Clarke+  
 #Year 1964  
 #Reaction 16-S-0(N,INL)16-S-32,PAR,SIG  
 1 16000 3 51 D 1.4100+7 150000.0 69.00000 11.00000 2240000. LVL R.L.CLARKE,ET.AL. (64) 11286 18  
 1 16000 3 51 D 1.4100+7 150000.0 54.00000 22.00000 4600000. LVL R.L.CLARKE,ET.AL. (64) 11286 18  
 # 6 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 12797005  
 #Author A.B.Smith+  
 #Year 1982  
 #Reaction 41-NB-93(N,INL)41-NB-93,PAR,SIG  
 1 41093 3 51 A 4000000. 11.35000 0.034500 1697000. EXCA.B.SMITH,ET.AL. (82) 12797 5  
 # 7 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 20033003  
 #Author R.Rieder+  
 #Year 1965  
 #Reaction 37-RB-85(N,2N)37-RB-84,,SIG  
 1 37085 3 16 P 1.4050+7 50000.00 1011.000 50.55000 R.RIEDER,ET.AL. (65) 20033 3  
 # 8 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry 21080008  
 #Author G.C.Bonazzola+  
 #Year 1965  
 #Reaction 13-AL-27(N,INL)13-AL-27,PAR,SIG  
 1 13027 3 4 1.4200+7 284000.0 15.90000 1.400000 G.C.Bonazzola,ET.AL. (65)21080 8  
 1 13027 3 4 1.4200+7 284000.0 17.60000 2.000000 G.C.Bonazzola,ET.AL. (65)21080 8  
 1 13027 3 4 1.4200+7 284000.0 5.700000 2.300000 G.C.Bonazzola,ET.AL. (65)21080 8  
 1 13027 3 4 1.4200+7 284000.0 18.40000 2.400000 G.C.Bonazzola,ET.AL. (65)21080 8  
 # 9 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 21089018  
 #Author J.H.Towle+  
 #Year 1962  
 #Reaction 11-NA-23(N,INL)11-NA-23,PAR,SIG  
 1 11023 3 51 D 3970000. 180.0000 15.00000 2080000. 2080000.LVLJ.H.TOWLE,ET.AL. (62) 21089 18  
 1 11023 3 51 D 3970000. 70.00000 8.000000 2390000. 2390000.LVLJ.H.TOWLE,ET.AL. (62) 21089 18  
 1 11023 3 51 D 3970000. 140.0000 13.00000 2640000. 2710000.LVLJ.H.TOWLE,ET.AL. (62) 21089 18  
 1 11023 3 51 D 3970000. 100.0000 9.000000 2980000. 2980000.LVLJ.H.TOWLE,ET.AL. (62) 21089 18  
 # 10 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 21786003  
 #Author E.T.Booth+  
 #Year 1937  
 #Reaction 47-AG-0(N,G),,SIG  
 1 47000 3 102 2500000. 7.400000 0.518000 E.T.BOOTH,ET.AL. (37) 21786 3  
 # 11 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 30322016  
 #Author J.Janczyszyn+  
 #Year 1973  
 #Reaction 70-YB-176(N,2N)70-YB-175-M,,SIG  
 1 70176 3 16M 1.4000+7 5.800000 3.000000 J.JANCZYSZYN,ET.AL. (73) 30322 16  
 # 12 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry 31161010  
 #Author S.K.Mukherjee+  
 #Year 1961  
 #Reaction 47-AG-107(N,2N)47-AG-106-M,,SIG  
 1 47107 3 16M 1.4800+7 6.500000 S.K.MUKHERJEE,ET.AL. (61)31161 10  
 # 13 Suspicious data set: Possible angle problem: cosine < 1 or > 1

#Subentry 40572009

#Author I.A.Korzh+

#Year 1980

#Reaction 28-NI-60(N,INL)28-NI-60,PAR,DA

1	28060	4	51	A	5000000.	170000.0	0.025200	3.4000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.022900	2.7000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.020100	2.4000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.016900	1.7000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.016400	1.9000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.016300	1.3000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.015900	2.3000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.012200	1.5000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	5000000.	170000.0	0.013300	1.9000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.029000	6.9000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.023800	4.4000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.020300	2.6000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.015900	1.2000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.014500	1.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.012000	9.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.012700	8.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.013600	1.0000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.014400	1.0000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.014400	1.0000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	6000000.	140000.0	0.012700	1.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	0.027500	6.0000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	0.025100	4.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	0.018700	2.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	0.012900	1.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	0.010500	7.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	8.9000-3	1.3000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	9.7000-3	7.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	9.4000-3	8.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	8.2000-3	6.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	8.3000-3	5.0000-4	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9
1	28060	4	51	A	7000000.	120000.0	8.4000-3	1.1000-3	2.000000	1332000.	LVLI.A.KORZH,ET.AL. (80)	40572	9

# 14 Suspicious data set: Possible angle problem: cosine < 1 or > 1

#Subentry 40572010

#Author I.A.Korz+

#Year 1980

#Reaction 28-NI-64(N,INL)28-NI-64,PAR,DA

1 28064	4 51 A	5000000.	170000.0	0.031800	3.8000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.027900	4.4000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.021400	2.8000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.020800	2.6000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.016100	2.4000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.015700	2.6000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.015000	2.5000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.014900	2.6000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.013900	2.1000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.011900	2.1000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	5000000.	170000.0	0.014300	2.6000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.023800	5.4000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.020200	3.2000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.015300	1.7000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.012700	9.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.011900	7.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.012100	8.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.011200	7.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.011700	8.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.010300	6.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.011100	7.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	6000000.	140000.0	0.011400	7.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	0.021000	5.4000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	0.015400	2.8000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	0.012900	2.6000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	9.5000-3	1.0000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	8.1000-3	1.0000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	8.0000-3	1.0000-3	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	8.2000-3	8.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	6.0000-3	9.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	7.8000-3	9.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10
1 28064	4 51 A	7000000.	120000.0	7.4000-3	5.0000-4	2.000000	1345000.	LVLI.A.KORZH,ET.AL. (80)	40572 10



1 28064 4 51 A 7000000. 120000.0 7.1000-3 6.0000-4 2.000000 1345000. LVLI.A.KORZH,ET.AL. (80) 40572 10  
 # 15 Suspicious data set: Possible angle problem: cosine < 1 or > 1  
 #Subentry 40572011  
 #Author I.A.Korzh+  
 #Year 1980  
 #Reaction 28-NI-62(N,INL)28-NI-62,PAR,DA  
 1 28062 4 51 A 5000000. 170000.0 0.032800 7.0000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.027800 3.9000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.023300 4.2000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.020700 3.5000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.019500 3.5000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.016300 5.3000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.016600 3.9000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.017600 3.2000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.018200 3.3000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.018900 3.3000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 1 28062 4 51 A 5000000. 170000.0 0.019000 3.8000-3 2.000000 1173000. LVLI.A.KORZH,ET.AL. (80) 40572 11  
 # 16 Suspicious data set: Possible angle problem: cosine < 1 or > 1  
 #Subentry 40618004  
 #Author I.A.Korzh+  
 #Year 1980  
 #Reaction 14-SI-28(N,INL)14-SI-28,PAR,DA  
 1 14028 4 51 A 5000000. 180000.0 0.059400 4.0000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.056000 3.4000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.051000 5.0000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.055000 3.5000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.049300 3.1000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.052300 3.3000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.050700 3.8000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.051000 3.1000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 1 14028 4 51 A 5000000. 180000.0 0.047900 2.9000-3 2.000000 1780000. LVLI.A.KORZH,ET.AL. (80) 40618 4  
 # 17 Suspicious data set: Possible angle problem: cosine < 1 or > 1  
 #Subentry 40618005  
 #Author I.A.Korzh+  
 #Year 1980  
 #Reaction 16-S-32(N,INL)16-S-32,PAR,DA

1 16032	4 51 A	5000000. 180000.0 0.027200	2.9000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.026700	2.8000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.022500	2.4000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.021700	1.5000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.020500	1.4000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.021300	1.5000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.021600	1.5000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.020400	1.5000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
1 16032	4 51 A	5000000. 180000.0 0.025100	1.7000-3 2.000000	2240000.	LVLI.A.KORZH,ET.AL. (80)	40618 5
# 18 Suspicious data set: xs > 4 barn for E > 1 MeV						
#Subentry 41102009						
#Author G.A.Prokopets						
#Year 1980						
#Reaction 79-AU-197(N,X)0-NN-1,,SIG						
1 79197	39000	2.0600+7 93000.00	5.700000 1.140000	1.9	G.A.PROKOPETS (80)	41102 9
# 19 Suspicious data set: xs > 4 barn for E > 1 MeV						
#Subentry 41102010						
#Author G.A.Prokopets						
#Year 1980						
#Reaction 83-BI-209(N,X)0-NN-1,,SIG						
1 83209	39000	2.0600+7 93000.00	5.450000 1.090000	1.9	G.A.PROKOPETS (80)	41102 10
# 20 Suspicious data set: xs > 4 barn for E > 1 MeV						
#Subentry 41156008						
#Author S.P.Simakov+						
#Year 1992						
#Reaction 82-PB-208(N,X)0-NN-1,,SIG						
1 82208	39000	1.4100+7	5.165000 0.300000	1.9	S.P.SIMAKOV,ET.AL. (92)	41156 8
# 21 Suspicious data set: xs > 4 barn for E > 1 MeV						
#Subentry 41156011						
#Author S.P.Simakov+						
#Year 1992						
#Reaction 83-BI-209(N,X)0-NN-1,,SIG						
1 83209	39000	1.4100+7	5.220000 0.310000	1.9	S.P.SIMAKOV,ET.AL. (92)	41156 11
# 22 Suspicious data set: xs > 4 barn for E > 1 MeV						
#Subentry A0109007						
#Author O.V.Bochkarev+						

#Year	1981		
#Reaction	27-CO-59(3-LI-6,X)0-NN-1,,SIG,,,EXP		
	3006 27059 39000 A 9.0000+7 4.100000 0.800000	1.9	O.V.BOCHKAREV,ET.AL. (81)A0109 7
#	23 Suspicious data set: xs > 4 barn for E > 1 MeV		
#Subentry	A0361003		
#Author	D.G.D`enterjria+		
#Year	1999		
#Reaction	79-AU-197(92-U-238,NON),,SIG		
	92238 79197 3 3 D 3.5700+9 4.920000 0.420000		D.G.D'Enterjria, (99) A0361 3
#	24 Suspicious data set: xs > 4 barn for E > 1 MeV		
#Subentry	A05690033		
#Author	N.G.Zaitseva+		
#Year	1990		
#Reaction	48-CD-114(P,N)49-IN-114-M,,SIG		
	1001 48114 3 4M 6.2700+7 100000.0 8.000000 1.600000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 6.1100+7 100000.0 8.000000 1.600000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.9500+7 100000.0 9.000000 1.800000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.7800+7 100000.0 9.000000 1.800000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.6100+7 100000.0 9.000000 1.800000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.4400+7 100000.0 12.000000 2.400000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.2600+7 100000.0 11.000000 2.200000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 5.0700+7 100000.0 10.000000 2.000000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 4.8800+7 100000.0 11.000000 2.200000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 4.6900+7 100000.0 11.000000 2.200000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 4.4900+7 100000.0 12.000000 2.400000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 4.2800+7 100000.0 15.000000 3.000000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 4.0600+7 100000.0 14.000000 2.800000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 3.8300+7 100000.0 16.000000 3.200000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 3.6000+7 100000.0 15.000000 3.000000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 3.3600+7 100000.0 18.000000 3.600000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 3.1000+7 100000.0 22.000000 4.400000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 2.8400+7 100000.0 26.000000 5.200000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 2.5300+7 100000.0 29.000000 5.800000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 2.2300+7 100000.0 38.000000 7.600000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 1.8700+7 100000.0 90.000000 18.000000		N.G.ZAITSEVA,ET.AL. (90) A0569 33
	1001 48114 3 4M 1.4400+7 100000.0 178.0000 35.60000		N.G.ZAITSEVA,ET.AL. (90) A0569 33

1001 48114 3 4M 9200000. 100000.0 39.00000 7.800000

# 25 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry A05690043

#Author N.G.Zaitseva+

#Year 1990

#Reaction 48-CD-0(P,X)49-IN-114-M,,SIG

1001 48000 39000M 6.3900+7 100000.0 9.000000 1.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 6.2500+7 100000.0 10.00000 2.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 6.1000+7 100000.0 10.00000 2.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.9500+7 100000.0 9.000000 1.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.8000+7 100000.0 10.00000 2.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.6400+7 100000.0 10.00000 2.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.4800+7 100000.0 9.000000 1.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.3200+7 100000.0 11.00000 2.200000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 5.1500+7 100000.0 10.00000 2.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.9800+7 100000.0 12.00000 2.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.8100+7 100000.0 12.00000 2.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.6300+7 100000.0 12.00000 2.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.4400+7 100000.0 14.00000 2.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.2600+7 100000.0 15.00000 3.000000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 4.0600+7 100000.0 19.00000 3.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 3.8600+7 100000.0 26.00000 5.200000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 3.6500+7 100000.0 37.00000 7.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 3.4300+7 100000.0 47.00000 9.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 3.2000+7 100000.0 53.00000 10.60000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 2.9600+7 100000.0 44.00000 8.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 2.7000+7 100000.0 17.00000 3.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 2.4100+7 100000.0 24.00000 4.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 2.1200+7 100000.0 37.00000 7.400000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43
1001 48000 39000M 1.7900+7 100000.0 9.000000 1.800000	49114.7	N.G.ZAITSEVA,ET.AL. (90) A0569 43

# 26 Suspicious data set: Possible angle problem: cosine < 1 or > 1

#Subentry A1508005

#Author M.Laurat

#Year 1969

#Reaction 3-LI-6(P,EL)3-LI-6,,DA

1001 3006 4 2 C 3600000. 0.033920 1.9200-3-1.006000

N.G.ZAITSEVA,ET.AL. (90) A0569 33

M.LAURAT (69)

A1508 5

1001 3006 4 2 C 4200000.	0.045440 2.5600-3-1.013000	M.LAURAT (69)	A1508 5
1001 3006 4 2 C 4600000.	0.052700 6.3490-4-1.004000	M.LAURAT (69)	A1508 5
1001 3006 4 2 C 5000000.	0.056960 6.4000-4-1.019000	M.LAURAT (69)	A1508 5
1001 3006 4 2 C 6000000.	0.040330 6.5040-4-1.010000	M.LAURAT (69)	A1508 5
# 27 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry C0230002			
#Author G.M.Raisbeck+			
#Year 1971			
#Reaction 5-B-11(P,X)4-BE-7,,SIG			
1001 5011 39000 1.5000+8	6.900000 1.400000	4007.9	G.M.RAISBECK,ET.AL. (71) C0230 2
1001 5011 39000 6.0000+8	4.200000 0.800000	4007.9	G.M.RAISBECK,ET.AL. (71) C0230 2
# 28 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry C02300032			
#Author G.M.Raisbeck+			
#Year 1971			
#Reaction 5-B-11(P,X)4-BE-10,,SIG			
1001 5011 39000 1.5000+8	19.000000 6.000000	4010.9	G.M.RAISBECK,ET.AL. (71) C0230 32
1001 5011 39000 6.0000+8	25.000000 8.000000	4010.9	G.M.RAISBECK,ET.AL. (71) C0230 32
# 29 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry C0829002			
#Author P.C.Rogers+			
#Year 1963			
#Reaction 20-CA-40(A,X)21-SC-42-M,,SIG			
2004 20040 39000M 1.9670+7	6.020000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 1.9670+7	8.140000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.1400+7	26.70000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.1400+7	30.70000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.3030+7	64.90000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.3030+7	65.70000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.4670+7	78.50000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.6080+7	79.60000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.6080+7	111.5000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.7470+7	89.30000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.7470+7	105.8000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.8810+7	111.4000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2
2004 20040 39000M 2.8810+7	123.7000	21042.7	P.C.ROGERS,ET.AL. (63) C0829 2

2004 20040 39000M 3.0150+7	114.2000	21042.7	P.C.ROGERS,ET.AL. (63)	C0829 2
2004 20040 39000M 3.0150+7	115.9000	21042.7	P.C.ROGERS,ET.AL. (63)	C0829 2
2004 20040 39000M 3.0150+7	120.8000	21042.7	P.C.ROGERS,ET.AL. (63)	C0829 2
# 30 Suspicious data set: xs > 4 barn for E > 1 MeV				
#Subentry C0884006				
#Author J.R.Wu+				
#Year 1979				
#Reaction 28-NI-58(D,NON)1-H-1,,SIG				
1002 28058 3 3 1.4000+8	4.848000 0.480000		J.R.Wu,ET.AL. (79)	C0884 6
# 31 Suspicious data set: xs > 4 barn for E > 1 MeV				
#Subentry C1047003				
#Author S.J.Balestrini				
#Year 1954				
#Reaction 73-TA-181(D,X)54-XE-127,,SIG				
1002 73181 39000 7100000. 400000.0 68.40000 0.800000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 9600000. 300000.0 330.0000 5.000000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 1.1700+7 200000.0 491.0000 6.000000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 1.3500+7 200000.0 683.0000 8.000000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 1.5100+7 200000.0 681.0000 8.000000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 1.6600+7 200000.0 653.0000 8.000000		54127.9	S.J.Balestrini (54)	C1047 3
1002 73181 39000 1.7900+7 200000.0 461.0000 6.000000		54127.9	S.J.Balestrini (54)	C1047 3
# 32 Suspicious data set: xs > 4 barn for E > 1 MeV				
#Subentry C1047004				
#Author S.J.Balestrini				
#Year 1954				
#Reaction 73-TA-181(D,X)54-XE-128,,SIG				
1002 73181 39000 3400000. 600000.0 4.400000 0.400000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 7100000. 400000.0 85.00000 1.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 9600000. 300000.0 183.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 1.1700+7 200000.0 172.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 1.3500+7 200000.0 181.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 1.5100+7 200000.0 171.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 1.6600+7 200000.0 175.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
1002 73181 39000 1.7900+7 200000.0 140.0000 2.000000		54128.9	S.J.Balestrini (54)	C1047 4
# 33 Suspicious data set: xs > 4 barn for E > 1 MeV				
#Subentry C1249003				

#Author R.E.Warner+  
 #Year 2000  
 #Reaction 82-PB-0(2-HE-6,NON),,SIG  
 2006 82000 3 3 2.5800+8 1.2000+8 4.510000 0.100000 R.E.Warner,ET.AL. (00) C1249 3  
 # 34 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry C1249004  
 #Author R.E.Warner+  
 #Year 2000  
 #Reaction 82-PB-0(2-HE-8,NON),,SIG  
 2008 82000 3 3 2.8800+8 1.3600+8 4.380000 0.110000 R.E.Warner,ET.AL. (00) C1249 4  
 # 35 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry C1249009  
 #Author R.E.Warner+  
 #Year 2000  
 #Reaction 82-PB-0(3-LI-11,NON),,SIG  
 3011 82000 3 3 4.5100+8 1.5400+8 8.700000 0.340000 R.E.Warner,ET.AL. (00) C1249 9  
 # 36 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry C1249012  
 #Author R.E.Warner+  
 #Year 2000  
 #Reaction 82-PB-0(3-LI-11,2N),,SIG  
 3011 82000 3 16 4.5100+8 1.5400+8 4.400000 0.300000 R.E.Warner,ET.AL. (00) C1249 12  
 # 37 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry C1250021  
 #Author R.E.Warner+  
 #Year 2001  
 #Reaction 82-PB-0(4-BE-11,NON),,SIG  
 4011 82000 3 3 4.6200+8 2.7500+8 5.940000 0.290000 R.E.Warner,ET.AL. (01) C1250 21  
 # 38 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry C1250022  
 #Author R.E.Warner+  
 #Year 2001  
 #Reaction 82-PB-0(4-BE-12,NON),,SIG  
 4012 82000 3 3 4.6200+8 2.9400+8 4.370000 0.220000 R.E.Warner,ET.AL. (01) C1250 22  
 # 39 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry D4038002

#Author B.Neumaier+  
 #Year 1994  
 #Reaction 83-BI-209(P,X)80-HG-203,,SIG  
 1001 83209 39000 6.9800+7 500000.0 4.064000 0.622000 80203.9 B.Neumaier,ET.AL. (94) D4038 2  
 # 40 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry L0074002  
 #Author O.Y.Mafra+  
 #Year 1971  
 #Reaction 92-U-0(G,F),,SIG  
 0 92000 3 18 6070000. 6.780000 0.740000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 6730000. 10.40000 1.700000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 7380000. 10.20000 1.100000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 7640000. 10.00000 4.300000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 7730000. 9.200000 2.600000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 7880000. 11.10000 3.400000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 7910000. 14.30000 1.500000 O.Y.Mafra,ET.AL. (71) L0074 2  
 0 92000 3 18 9000000. 37.00000 11.00000 O.Y.Mafra,ET.AL. (71) L0074 2  
 # 41 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry L0074003  
 #Author O.Y.Mafra+  
 #Year 1971  
 #Reaction 90-TH-232(G,F),,SIG  
 0 90232 3 18 6730000. 8.000000 1.300000 O.Y.Mafra,ET.AL. (71) L0074 3  
 0 90232 3 18 7640000. 5.700000 1.100000 O.Y.Mafra,ET.AL. (71) L0074 3  
 0 90232 3 18 7880000. 4.600000 1.800000 O.Y.Mafra,ET.AL. (71) L0074 3  
 0 90232 3 18 7910000. 5.100000 1.400000 O.Y.Mafra,ET.AL. (71) L0074 3  
 0 90232 3 18 9000000. 8.400000 3.500000 O.Y.Mafra,ET.AL. (71) L0074 3  
 # 42 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry M0420002  
 #Author N.K.Sherman+  
 #Year 1980  
 #Reaction 73-TA-181(G,ABS),,SIG  
 0 73181 3 3 3869000. 12.12600 0.056000 N.K.SHERMAN,ET.AL. (80) M0420 2  
 0 73181 3 3 4327000. 12.12800 0.030500 N.K.SHERMAN,ET.AL. (80) M0420 2  
 0 73181 3 3 4830000. 12.25800 0.023500 N.K.SHERMAN,ET.AL. (80) M0420 2  
 0 73181 3 3 5333000. 12.39400 0.021000 N.K.SHERMAN,ET.AL. (80) M0420 2



0 73181	3	3	5837000.	12.56100	0.020500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	6348000.	38000.00	12.78900	0.021500	N.K.SHERMAN,ET.AL. (80) M0420	2
0 73181	3	3	6870000.	12.99000	0.021500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	7404000.	13.17100	0.022500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	7936000.	13.39100	0.024500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	8382000.	13.60100	0.026500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	8936000.	13.85400	0.028500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	9476000.	14.09700	0.030000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	9992000.	14.31800	0.032000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.0514+7	14.50700	0.034000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.1039+7	14.77500	0.036500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.1557+7	15.05600	0.040000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.2088+7	15.38000	0.041500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.2629+7	15.56200	0.046000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.3174+7	15.73000	0.047500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.3715+7	15.94700	0.054000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.4253+7	16.12400	0.056500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.4780+7	16.30300	0.063000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.5293+7	16.52200	0.064500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.5840+7	16.68300	0.067500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.6422+7	16.84100	0.068500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.6977+7	16.92400	0.078000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.7500+7	17.09300	0.082500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.8078+7	280000.0	17.18800	0.084000	N.K.SHERMAN,ET.AL. (80) M0420	2
0 73181	3	3	1.8665+7	17.32400	0.086500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.9286+7	17.41200	0.090000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	1.9856+7	17.92000	0.112000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.0370+7	17.85000	0.112000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.0907+7	17.86800	0.115000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.1468+7	17.90300	0.117500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.2055+7	18.31600	0.124000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.2670+7	18.36200	0.127500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.3314+7	18.38000	0.131000	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.3989+7	18.79100	0.136500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.4697+7	18.51400	0.137500	N.K.SHERMAN,ET.AL. (80) M0420	2	
0 73181	3	3	2.5312+7	484000.0	18.70900	0.176000	N.K.SHERMAN,ET.AL. (80) M0420	2

0 73181	3	3	2.5825+7	18.65800	0.177500	N.K.SHERMAN,ET.AL. (80)	M0420	2
0 73181	3	3	2.6355+7	19.15600	0.187500	N.K.SHERMAN,ET.AL. (80)	M0420	2
0 73181	3	3	2.6903+7	19.30000	0.195500	N.K.SHERMAN,ET.AL. (80)	M0420	2
0 73181	3	3	2.7470+7	19.40800	0.206500	N.K.SHERMAN,ET.AL. (80)	M0420	2
# 43 Suspicious data set: xs > 4 barn for E > 1 MeV								
#Subentry M0420003								
#Author N.K.Sherman+								
#Year 1980								
#Reaction 83-BI-209(G,ABS),,SIG								
0 83209	3	3	3869000.	14.84600	0.076000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	4327000.	14.78100	0.044500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	4830000.	14.92700	0.033500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	5333000.	15.09100	0.030500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	5837000.	15.32400	0.029500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	6348000. 38000.00	15.62400	0.031000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	6870000.	15.87800	0.032000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	7404000.	16.10000	0.033500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	7936000.	16.41200	0.037000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	8382000.	16.81000	0.039000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	8936000.	17.01300	0.042500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	9476000.	17.40200	0.045000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	9992000.	17.67300	0.047500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.0514+7	17.94500	0.050000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.1039+7	18.29300	0.054000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.1557+7	18.58300	0.058500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.2088+7	19.13700	0.060500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.2629+7	19.24400	0.066000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.3174+7	19.66900	0.068500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.3715+7	19.86100	0.076500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.4253+7	20.09500	0.080500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.4780+7	20.16500	0.089000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.5293+7	20.29900	0.090500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.5840+7	20.42800	0.093000	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.6422+7	20.73800	0.094500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.6977+7	21.08200	0.108500	N.K.SHERMAN,ET.AL. (80)	M0420	3
0 83209	3	3	1.7500+7	20.97200	0.112000	N.K.SHERMAN,ET.AL. (80)	M0420	3

0 83209 3 3 1.8078+7 280000.0 21.53200 0.116000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 1.8665+7 21.39500 0.118000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 1.9286+7 21.51300 0.122000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 1.9856+7 21.90500 0.146500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.0370+7 22.14700 0.148500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.0907+7 22.28600 0.154000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.1468+7 22.24700 0.157000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.2055+7 22.58900 0.161000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.2670+7 22.86200 0.167500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.3314+7 22.90600 0.170500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.3989+7 23.09800 0.173000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.4697+7 23.34800 0.182000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.5312+7 484000.0 23.50400 0.229500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.5825+7 24.07400 0.239500			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.6355+7 24.28100 0.242000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.6903+7 23.80300 0.247000			N.K.SHERMAN,ET.AL. (80) M0420 3
0 83209 3 3 2.7470+7 24.14200 0.251000			N.K.SHERMAN,ET.AL. (80) M0420 3
# 44 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry O00460051			
#Author J.P.Alard+			
#Year 1975			
#Reaction 79-AU-197(P,X)1-H-1,,SIG			
1001 79197 39000 6.0000+8 6.550000	1001.9	J.P.Alard,ET.AL. (75)	O0046 51
# 45 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry O0678005			
#Author M.Enke+			
#Year 1999			
#Reaction 26-FE-0(P,X)0-NN-1,,SIG			
1001 26000 39000 1.2000+9 5.140000	1.9	M.ENKE,ET.AL. (99)	O0678 5
# 46 Suspicious data set: xs > 4 barn for E > 1 MeV			
#Subentry O0678009			
#Author M.Enke+			
#Year 1999			
#Reaction 79-AU-197(P,X)0-NN-1,,SIG			
1001 79197 39000 1.2000+9 26.70000	1.9	M.ENKE,ET.AL. (99)	O0678 9
# 47 Suspicious data set: xs > 4 barn for E > 1 MeV			

#Subentry O0678010  
 #Author M.Enke+  
 #Year 1999  
 #Reaction 80-HG-0(P,X)0-NN-1,,SIG  
 1001 80000 39000 1.2000+9 28.40000 1.9 M.ENKE,ET.AL. (99) O0678 10  
 # 48 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry O0678012  
 #Author M.Enke+  
 #Year 1999  
 #Reaction 82-PB-0(P,X)0-NN-1,,SIG  
 1001 82000 39000 1.2000+9 30.40000 1.9 M.ENKE,ET.AL. (99) O0678 12  
 # 49 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry O0726011  
 #Author V.V.Verbinski+  
 #Year 1969  
 #Reaction 49-IN-115(P,X)0-NN-1,,SIG  
 1001 49115 39000 1.8300+7 540000.0 7.190000 1.9 V.V.VERBINSKI,ET.AL. (69)O0726 11  
 # 50 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry O09550022  
 #Author M.Hesse+  
 #Year 1996  
 #Reaction 82-PB-208(92-U-238,NON),,SIG  
 92238 82208 3 3 1.785+11 13.41000 1.000000 M.Hesse,ET.AL. (96) O0955 22  
 # 51 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry O09550032  
 #Author M.Hesse+  
 #Year 1996  
 #Reaction 29-CU-0(92-U-238,NON),,SIG  
 92238 29000 3 3 1.785+11 6.530000 0.440000 M.Hesse,ET.AL. (96) O0955 32  
 # 52 Suspicious data set: xs > 4 barn for E > 1 MeV  
 #Subentry O09550042  
 #Author M.Hesse+  
 #Year 1996  
 #Reaction 13-AL-27(92-U-238,NON),,SIG  
 92238 13027 3 3 1.785+11 4.490000 0.350000 M.Hesse,ET.AL. (96) O0955 42  
 # 53 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry O10550032

#Author B.R.Behera+

#Year 1999

#Reaction 73-TA-181(8-O-16,F),,DA,FF,RSD

8016 73181 3 18 1.0800+8 5.760000 0.250000

8016 73181 3 18 9.8000+7 4.780000 0.240000

8016 73181 3 18 9.2000+7 4.700000 0.470000

# 54 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry O1116002

#Author N.L.Singh+

#Year 1995

#Reaction 23-V-51(A,N)25-MN-54,,SIG

2004 23051 3 4 1.5600+7 5.600000 0.672000

# 55 Suspicious data set: xs > 4 barn for E > 1 MeV

#Subentry O1180002

#Author S.Mukherjee+

#Year 1997

#Reaction 13-AL-27(A,N+2A)11-NA-22,,SIG

2004 13027 3 29 4.8860+7 2000.000 4.400000 0.308000

2004 13027 3 29 5.0170+7 2000.000 4.800000 0.384000

2004 13027 3 29 5.3180+7 2000.000 5.000000 0.500000

2004 13027 3 29 5.6450+7 2000.000 4.600000 0.414000

2004 13027 3 29 5.9710+7 2000.000 4.300000 0.387000

B.R.Behera,ET.AL. (99) O1055 32

B.R.Behera,ET.AL. (99) O1055 32

B.R.Behera,ET.AL. (99) O1055 32

N.L.Singh,ET.AL. (95) O1116 2

S.Mukherjee,ET.AL. (97) O1180 2

S.Mukherjee,ET.AL. (97) O1180 2

S.Mukherjee,ET.AL. (97) O1180 2

S.Mukherjee,ET.AL. (97) O1180 2

S.Mukherjee,ET.AL. (97) O1180 2