

Checking of Half-Lives under DECAY-DATA and DECAY-MON

(N. Otsuka, S. Babykina, 2015-11-19, Memo CP-D/888)

Addition for WP2016-24:

There are still many errors for corrections by NNDC, NEA DB, NDS, CJD, JCPRG and CNPD.

Half-lives coded under DECAY-DATA and DECAY-MON in the EXFOR Master Ver.2014-01-29 were checked against those in the Nuclear Wallet Cards, and we found about 1180 half-lives deviating more than 50% from half-lives recommended in the Nuclear Wallet Cards. They were further checked against the source articles. Finally we tagged each case by the following flags:

- A: The value is absent in the source article.
- D: Delete the data set. The same data set is compiled in another subentry.
- I: Wrong combination between the isomeric flag and $T_{1/2}$ (e.g., -M instead of -G)
- L: The ground state is not well established (i.e., uncertain if -G or -M).
- N: No mistake. Compiled as printed in the source article.
- P: No source information available (e.g., private communication)
- S: Compilation mistake in the nuclide code (e.g., 11-NA-24 instead of 10-NE-24)
- T: Typographical mistake in the source article
- U: Compilation mistake in the unit (e.g., HR instead of D)
- V: Compilation mistake in the $T_{1/2}$ value (e.g., 1500. instead of 15.00)

When judgement was difficult, we also introduced a flag like T? (“perhaps typographical mistake, but no confirmation by the author”). The flag I does not always mean a compilation mistake because some ground states were not well established when the data sets were compiled, and probably ^{102}Rh , ^{110}In and ^{150}Eu are examples of such nuclides. Of course T (typo in the article) is also not due to fault of the compiler. Anyway corrections are necessary for data sets tagged by D, I, S, T, U and V, and a part of data sets tagged by other flags.

The full table of the assessment is appended to this memo. Some corrections require revisions of other keywords (e.g., REACTION, RAD-DET), and they are also listed. All items requiring corrections by the responsible centres were extracted from the table, and added to the EXFOR Feedback List for your corrections. It took more than one year to complete this assessment, and there could be mistakes which have been already fixed. We would appreciate if you could inform us such cases for update of the Feedback List.

We repeated checking with the source articles twice to exclude mistakes in our suggestions. However there could be still wrong suggestions in the EXFOR Feedback List. **We strongly recommend you to check the relevant decay data and decay scheme by yourself before doing corrections.** Further discussion with one of us (NO) is always welcome whenever our suggestion is questionable for you.

List of Questionable Combination between Nuclide Code and Half-Life

(for EXFOR Master Ver.2014-01-29)

Subentry	Keyword	Nuclide	$T_{1/2}$ (EXFOR)	$T_{1/2}$ (Wallet)	Type	Comment/Suggestion
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10142.002	DECAY-DATA	13-AL-30	72.5SEC	3.62SEC	N	A new state proposed by E.Peeters, J,PL,142,1963.
10145.015	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
10145.026	DECAY-DATA	40-ZR-89-M	4.18HR	4.161MIN	U	HR->MIN
10171.001	DECAY-DATA	94-PU-242	3.66YR	3.75E+5YR	V	3.66YR->3.66E+5YR
10218.006	DECAY-DATA	55-CS-134-M	2.06YR	2.912HR	A	? T1/2 taken from Chart of Nuclides by compiler?
10294.002	DECAY-DATA	93-NP-236-G	22.HR	153E+3YR	L	
10309.006	DECAY-DATA	25-MN-58-G	66.SEC	3.0SEC	I	G->M (decay data from priv.comm.?)
10356.005	DECAY-DATA	49-IN-114-M	42.5MSEC	49.51D	I+V	M->L, 42.5MSEC->42.5MSEC
10356.005	REACTION					SF4: 49-IN-114-M -> 49-IN-114-L
10359.004	DECAY-DATA	37-RB-87	18.66D	4.81E+10YR	S	37-RB-87->37-RB-86
10408.002	DECAY-DATA	93-NP-236-G	1.3E+06YR	153E+3YR	A	?
10431.003	DECAY-DATA	63-EU-150-G	12.6HR	36.9YR	I	G->M
10431.003	REACTION					SF4: 63-EU-150-G -> 63-EU-150-M
10477.002	DECAY-DATA	39-Y-89-M	3.2HR	15.663SEC	S	39-Y-89-M->39-Y-90-M
10568.002	DECAY-DATA	49-IN-116-M2	54.MIN	2.18SEC	I	M2->M1
10568.004	DECAY-DATA	49-IN-116-M2	54.MIN	2.18SEC	I	M2->M1
10568.006	DECAY-DATA	49-IN-116-M2	54.MIN	2.18SEC	I	M2->M1
10575.004	DECAY-DATA	93-NP-239	23.5MIN	2.356D	S	93-NP-239->92-U-239
10728.004	DECAY-DATA	51-SB-125	61.3D	2.75856YR	S	51-SB-125->51-SB-124 (radioactive target)
10728.005	DECAY-DATA	51-SB-125	61.3D	2.75856YR	S	51-SB-125->51-SB-124 (radioactive target)
10772.006	DECAY-DATA	45-RH-108-G	6.MIN	16.8SEC	L	
10806.004.1	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
10806.004.1	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
10806.004.2	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
10806.004.2	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
10828.001	DECAY-DATA	55-CS-137	30.174D	30.08YR	U	D->YR
10890.002	DECAY-DATA	51-SB-130-M	40.MIN	6.3MIN	I	M->G
10890.002	Data					ISOMER: 1->0
10913.002	DECAY-DATA	48-CD-115-M	3.35HR	44.56D	A	Delete. The current decay data are for 117Cd (3.36 h).
10962.002	DECAY-DATA	52-TE-131-M	1.08SEC	33.25HR	V	1.08SEC->1.08E+05SEC
10962.002	DECAY-DATA	53-I-134-M	79.SEC	3.52MIN	V	79.SEC->230.SEC
10962.002	DECAY-DATA	63-EU-156	1.31SEC	15.19D	V	1.31SEC->1.31E+06SEC
10985.007	DECAY-DATA	45-RH-103-M	0.389D	56.114MIN	V	0.389D->0.0389D
11189.038	DECAY-DATA	37-RB-84-G	6.5HR	32.82D	N	as printed in Table Ia. Not observed in the work.
11189.040	DECAY-DATA	44-RU-95	20.MIN	1.643HR	N	as printed in Table Ia. Not observed in the work.
11274.072	DECAY-DATA	43-TC-100	80.SEC	15.46SEC	N	as printed in Table III
11447.015	DECAY-DATA	20-CA-49	30.MIN	8.718MIN	I	Add -M (though an unestablished isomer)
11447.016	DECAY-DATA	20-CA-49	150.MIN	8.718MIN	I	Add -M (though an unestablished isomer)
11447.019	DECAY-DATA	22-TI-51	72.D	5.76MIN	I	Add -M (though an unestablished isomer)
11447.022	DECAY-DATA	24-CR-55	1.3HR	3.497MIN	N	as printed in Table II
11447.035	DECAY-DATA	32-GE-71	40.HR	11.43D	N	as printed in Table II
11447.052	DECAY-DATA	40-ZR-93	63.D	1.61E+6YR	N	as printed in Table II
11447.053	DECAY-DATA	40-ZR-95	17.0HR	64.032D	N	as printed in Table II

11447.054	DECAY-DATA	40-ZR-97	6.MIN	16.749HR	N	as printed in Table II
11447.067	DECAY-DATA	47-AG-110-G	2.2SEC	24.6SEC	V	2.2SEC->22.SEC
11484.011	DECAY-DATA	21-SC-50-M	22.MIN	0.35SEC	N	as printed in Table I
11491.002	DECAY-DATA	11-NA-24	3.38MIN	14.997HR	S	11-NA-24 ->10-NE-24
11491.020	DECAY-DATA	27-CO-62-G	14.MIN	1.50MIN	I	G->M
11515.005	DECAY-DATA	13-AL-30	72.5SEC	3.62SEC	N	A new state proposed by E.Peeters, J,PL,142,1963.
11590.025	DECAY-DATA	28-NI-66	2.6HR	54.6HR	S	28-NI-66->28-NI-65
11590.030	DECAY-DATA	31-GA-77	14.HR	13.2SEC	S	31-GA-77->31-GA-72
11625.007	DECAY-DATA	30-ZN-69	13.8HR	56.4MIN	I	Add -M
11625.018	DECAY-DATA	47-AG-110	270.D	24.6SEC	I	Add -M
11645.022	DECAY-DATA	51-SB-120	5.8D	15.89MIN	L	
11654.002	DECAY-DATA	47-AG-110	270.D	24.6SEC	I	Add -M
11654.002	REACTION					SF4: 47-AG-110 -> 47-AG-110-M
11654.008	DECAY-DATA	30-ZN-69	13.8HR	56.4MIN	I	Add -M
11658.007	DECAY-DATA	47-AG-110	260.D	24.6SEC	I	Add -M
11658.007	REACTION					SF4: 47-AG-110 -> 47-AG-110-M
11696.012	DECAY-DATA	28-NI-59	9.HR	7.6E+4YR	S	28-NI-59->27-CO-58-M
11696.020	DECAY-DATA	28-NI-63	1.9MIN	101.2YR	A	?
11718.009	DECAY-DATA	25-MN-58-G	1.1MIN	3.0SEC	I	G->M
11740.015	DECAY-DATA	27-CO-64	7.8MIN	0.30SEC	N	as printed in Table 1 (T1/2 measured in this exp.)
11740.016	DECAY-DATA	27-CO-63	1.40HR	27.4SEC	N	as printed in Table 1 (T1/2 measured in this exp.)
11789.002	DECAY-DATA	27-CO-62-G	1.45HR	1.50MIN	T?	HR->MIN?
11790.002	DECAY-DATA	27-CO-63	1.45HR	27.4SEC	A	?
11816.002	DECAY-DATA	28-NI-67	50.SEC	21SEC	N	New isotope (67Ni) proposed in this article.
11817.020	DECAY-DATA	77-IR-192-M2	1.4MIN	241YR	I	M2->M1
11917.001	DECAY-MON	49-IN-115-M	54.MIN	4.486HR	T	49-IN-115-M->49-IN-116-M1
11923.010	DECAY-DATA	43-TC-102	4.5MIN	5.28SEC	L	
11927.005	DECAY-DATA	50-SN-123-G	41.MIN	129.2D	I	G->M
11927.005	REACTION					SF4: 50-SN-123-G -> 50-SN-123-M
11957.003	DECAY-DATA	49-IN-120-G	50.SEC	3.08SEC	L	Two states have similar T1/2~50 sec.
11961.006	DECAY-DATA	50-SN-121-M	400.D	43.9YR	X	Give in free text. 400 day is a lower boundary of T1/2.
12003.002	DECAY-DATA	49-IN-116-G	13.MIN	14.10SEC	U	MIN->SEC
12033.024	DECAY-DATA	59-PR-148	12.MIN	2.29MIN	N	as printed in Table I
12033.029	DECAY-DATA	61-PM-152-M1	6.5MIN	13.8MIN	L	
12033.033	DECAY-DATA	63-EU-150-G	15.HR	36.9YR	I	G->M
12033.033	REACTION					SF4: 63-EU-150-G -> 63-EU-150-M
12033.035	DECAY-DATA	62-SM-157	0.5MIN	8.03MIN	N	as printed in Table II.
12033.038	DECAY-DATA	65-TB-163	7.MIN	19.5MIN	N	as printed in Table 1.
12046.002	DECAY-DATA	53-I-126	60.D	12.93D	V	60.D->13.D
12088.002	DECAY-DATA	71-LU-177-G	1.9HR	6.647D	V+U	1.9HR->6.75D
12090.006	DECAY-DATA	63-EU-154	16.YR	8.601YR	N	as printed in Table 2
12090.007	DECAY-DATA	63-EU-154	16.YR	8.601YR	N	as printed in Table 2
12094.003	DECAY-DATA	67-HO-166-M	90000.YR	1.20E3YR	N	as printed in text (p36 right)

12179.003	DECAY-DATA	75-RE-184-M	2.2D	169D	N	as printed in text (p24)
12251.004	DECAY-DATA	93-NP-236-G	5000.YR	153E+3YR	N+L	
12251.005	DECAY-DATA	93-NP-236-G	5000.YR	153E+3YR	N+L	
12255.001	DECAY-DATA	90-TH-231	25.52YR	25.52HR	U	YR->HR
12574.003	DECAY-DATA	99-ES-254-G	480.D	275.7D	V	480 D -> 276 D
12591.003	DECAY-DATA	14-SI-32	280.YR	153YR	N	Calculated by compiler based on 600yr/barn in the article.
12600.001	DECAY-MON	49-IN-115-M	54.MIN	4.486HR	S	49-IN-115-M->49-IN-116-M1
12601.003	DECAY-MON	28-NI-65	54.8HR	2.5175HR	S	28-NI-65->28-NI-66 (also DECAY-MON -> DECAY-DATA)
12609.001	DECAY-MON	49-IN-116-M2	54.MIN	2.18SEC	I	M2->M1
12609.001	MONITOR					SF4: 49-IN-116-M1 -> 49-IN-116-M1+M2
12614.001	DECAY-DATA	43-TC-97-G	1.0E+05YR	4.21E+6YR	N	as printed in p427
12614.001	DECAY-DATA	43-TC-98	1.5E+06YR	4.2E+6YR	N	as printed in abstract
12705.002	DECAY-DATA	61-PM-154-M	162.SEC	1.73MIN	L	
12734.002	DECAY-DATA	32-GE-79	42.SEC	18.98SEC	N	as printed in Table I
12748.002	DECAY-DATA	90-TH-232	22.MIN	1.40E10YR	S	90-TH-232->90-TH-233
12817.003	DECAY-DATA	54-XE-135	15.3MIN	9.14HR	I	G-> M
12817.003	Data					ISOMER: Add 1 for 54-XE-135.
12866.092	DECAY-DATA	47-AG-110-M	2.530E+00D	249.76D	T?	2.53D->253.D?
12866.093	DECAY-DATA	47-AG-110-M	2.530E+00D	249.76D	T?	2.53D->253.D?
12894.001	DECAY-DATA	13-AL-26-G	7.3E+05D	7.17E+5YR	U	D->YR
12959.002	DECAY-DATA	47-AG-108-M	127.0YR	438YR	N	as printed in Fig.1
12969.013	DECAY-DATA	25-MN-56	2.5785D	2.5789HR	U	D->HR
12969.016	DECAY-DATA	25-MN-56	2.5785D	2.5789HR	U	D->HR
13054.002	DECAY-DATA	51-SB-128	3.YR	9.01HR	N	as printed in Table II
13054.003	DECAY-DATA	51-SB-128	3.YR	9.01HR	N	as printed in Table II
13071.002	DECAY-DATA	42-MO-104	1.6MIN	60SEC	N	as printed in title
13073.002	DECAY-DATA	50-SN-132	1.00MIN	39.7SEC	N	as printed in text (p988)
13073.002	DECAY-DATA	50-SN-133	55.SEC	1.46SEC	N	as printed in text (p988)
13083.002	DECAY-DATA	46-PD-115	40.5SEC	25SEC	X	T1/2 between g.s. (25 sec) and m.s. (50 sec)
13093.003	DECAY-DATA	40-ZR-99	75.SEC	2.1SEC	N	as printed in p1468
13096.003	DECAY-DATA	50-SN-127-G	4.4MIN	2.10HR	I	G->M
13096.003	DECAY-DATA	50-SN-127-M	2.15HR	4.13MIN	I	M->G
13096.003	Data					ISOMER: 0<->1 for 50-SN-127
13097.008	DECAY-DATA	54-XE-144	1.SEC	0.388SEC	N	as printed in Table I. 1.15 sec in ENSDF but 0.388 sec on NuDat and Wallet Cards.
13108.001	DECAY-MON	27-CO-60-M	5.272YR	10.467MIN	I	M->G
13129.001	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in p327
13134.003	DECAY-DATA	90-TH-232	1.405E+5YR	1.40E10YR	N	as printed in Table 2
13187.002	DECAY-DATA	27-CO-58-G	5.271YR	70.86D	V+U	5.271YR->70.916D
13187.003	DECAY-DATA	27-CO-60-G	70.916D	1925.28D	V+U	70.916D->5.271YR
13244.002	DECAY-DATA	50-SN-121-G	27.06D	27.03HR	T?	D->HR?
13269.002	DECAY-DATA	50-SN-132	2.1MIN	39.7SEC	N	as printed in abstract
13296.002	DECAY-DATA	54-XE-145	0.9SEC	188MSEC	N	as printed in text (p589)
13325.002	DECAY-DATA	39-Y-89-M	50.MIN	15.663SEC	S	39-Y-89-M->39-Y-91-M

13353.002	DECAY-DATA	35-BR-82	2.4HR	35.282HR	V	2.4HR->35.3HR
13395.002	DECAY-DATA	48-CD-115	43.D	53.46HR	I	G->M
13395.002	DECAY-DATA	63-EU-155	15.4D	4.753YR	P	MASS: 155 -> 156?
13395.002	Data					Add ISOMER=1 for 48-CD-115
13395.004	DECAY-DATA	48-CD-115	43.D	53.46HR	I	G->M
13395.004	DECAY-DATA	63-EU-155	15.4D	4.753YR	P	MASS: 155 -> 156?
13395.004	Data					Add ISOMER=1 for 48-CD-115
13418.002	DECAY-DATA	50-SN-125	10.HR	9.64D	P	Compiled from a footnote of a book by a third person.
13421.002	DECAY-DATA	45-RH-102-M	210.D	3.742YR	I	M->G
13424.002	DECAY-DATA	62-SM-156	15.4D	9.4HR	S	62-SM-156->63-EU-156
13424.002	REACTION					SF4: 62-SM-156 -> 63-EU-156
13425.002	DECAY-DATA	48-CD-115-M	2.33D	44.56D	I	M->G
13450.002	DECAY-DATA	36-KR-92	3.0SEC	1.840SEC	N	as printed in Table 1
13450.002	DECAY-DATA	54-XE-143	1.0SEC	0.511SEC	N	as printed in Table 5
13450.002	DECAY-DATA	54-XE-144	1.SEC	0.388SEC	N	as printed in Table 5. 1.15 sec in ENSDF but 0.388 sec on NuDat and Wallet Cards.
13461.002	DECAY-DATA	51-SB-130	12.MIN	39.5MIN	I	G->M (c.f. Table 1 of J,NP,45,579.1963)
13461.002	DECAY-DATA	51-SB-133	4.1MIN	2.34MIN	N	as printed in Table III-B-3. 132Sb (4.2 min) observed?
13461.002	Data					ISOMER: Add 1 for 51-SB-130
13475.003	DECAY-DATA	34-SE-87	16.SEC	5.50SEC	N	as printed in p.220
13584.002	DECAY-DATA	51-SB-129-M	4.2HR	17.7MIN	I	M->G
13584.002	Data					ISOMER: 1->0 for 51-SB-129
13600.001	DECAY-DATA	37-RB-89	152.MIN	15.15MIN	V	152.MIN->15.2MIN
13672.003.2	DECAY-MON	57-LA-140	12.9D	1.67855D	X	Delete, but add free text "in equilibrium with 140Ba (12.9 d) after 13 days"
13672.005.2	DECAY-MON	57-LA-140	12.9D	1.67855D	X	Delete, but add free text "in equilibrium with 140Ba (12.9 d) after 14 days"
13694.002	DECAY-DATA	39-Y-96-M	0.6SEC	9.6SEC	N	as printed in Table 1
13694.002	DECAY-DATA	51-SB-134-M	0.8SEC	10.07SEC	I	M->G
13694.002	Data					ISOMER: 1->0 for 51-SB-134
14012.003	DECAY-DATA	46-PD-109-G	13.7D	13.7012HR	U	D->HR
14012.004	DECAY-DATA	46-PD-109-G	13.7D	13.7012HR	U	D->HR
14012.006	DECAY-DATA	46-PD-109-G	13.7D	13.7012HR	U	D->HR
14012.007	DECAY-DATA	46-PD-109-G	13.7D	13.7012HR	U	D->HR
14080.025	DECAY-DATA	48-CD-111-M	48.6HR	48.50MIN	U	HR->MIN
14081.002	DECAY-DATA	79-AU-198-M	7.73SEC	2.272D	S+V	Use (79-AU-197-M,7.SEC). Bad coding with wrong assumption!
14222.002	DECAY-DATA	50-SN-123	2403.6SEC	129.2D	I	Add -M
14222.002	REACTION					SF4: 50-SN-123 -> 50-SN-123-M
14222.003	DECAY-DATA	50-SN-125	571.20SEC	9.64D	I	Add -M
14222.003	REACTION					SF4: 50-SN-125 -> 50-SN-125-M
14229.005	DECAY-DATA	95-AM-241	433.0HR	432.6YR	T?	HR->YR?
14229.013	DECAY-DATA	97-BK-248	18.0HR	9YR	N	as printed in Table I
14229.025	DECAY-DATA	93-NP-236	1.3E+06D	153E+3YR	U	D->YR
14235.003	DECAY-DATA	72-HF-178-M2	25.05D	31YR	S	72-HF-178-M2->72-HF-179-M2
14237.003	DECAY-DATA	32-GE-77-G	82.78MIN	11.30HR	V+U	Use (32-GE-

						77,11.30HR,DG,211.03,0.308,DG,215.50,0.286,DG,264.44,0.539).
14332.004	DECAY-DATA	76-OS-190-G	14.99D	Stable	S	76-OS-190-G->76-OS-191-G
14332.005	DECAY-DATA	76-OS-190-G	14.99D	Stable	S	76-OS-190-G->76-OS-191-G
14332.005	DECAY-DATA	76-OS-190-M	13.6HR	9.9MIN	S	76-OS-190-M->76-OS-191-M
14332.009	DECAY-DATA	76-OS-190-G	14.99D	Stable	S	76-OS-190-G->76-OS-191-G
14332.010	DECAY-DATA	76-OS-190-G	14.99D	Stable	S	76-OS-190-G->76-OS-191-G
14332.010	DECAY-DATA	76-OS-190-M	13.6HR	9.9MIN	S	76-OS-190-M->76-OS-191-M
20106.005	DECAY-DATA	14-SI-31	1.558MIN	157.3MIN	V	1.558 MIN->155.8 MIN
20106.014	DECAY-DATA	34-SE-81-M	5.70MIN	57.28MIN	V	5.70MIN->57.MIN
20338.008	DECAY-DATA	42-MO-91-G	65.5SEC	15.49MIN	I	Use (42-MO-91-M,65.5SEC,B+,510.,,DG,658.).
20509.001	DECAY-DATA	11-NA-24	14.96SEC	14.997HR	U	SEC->HR
20540.012	DECAY-DATA	49-IN-120-G	45.4SEC	3.08SEC	L	Two states have similar T1/2~50 sec.
20540.014	DECAY-DATA	49-IN-120-G	45.4SEC	3.08SEC	L	Two states have similar T1/2~50 sec.
20540.015	DECAY-DATA	49-IN-122	7.5SEC	1.5SEC	N	as printed in Table 2
20540.017	DECAY-DATA	51-SB-124	60.20HR	60.20D	U	HR->D
20541.049	DECAY-DATA	68-ER-163	10.3HR	75.0MIN	S	68-ER-163->68-ER-165
20589.002	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20589.002	Data					ISOMER: Add 0 or 1 except for 51-SB-131as appropriate.
20589.003	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20589.004	DECAY-DATA	51-SB-128-M	9.1HR	10.4MIN	L	
20589.004	DECAY-DATA	51-SB-130-M	40.0MIN	6.3MIN	I	M->G
20589.004	DECAY-DATA	52-TE-131-M	25.0MIN	33.25HR	I	M->G
20589.004	DECAY-DATA	52-TE-133-M	12.5MIN	55.4MIN	I	M->G
20589.004	Data					ISOMER: Add 0 or 1 except for 51-SB-131as appropriate
20625.030	DECAY-DATA	73-TA-182-M2	165.MIN	15.84MIN	V	165.MIN->16.5MIN (mistake introduced in 2186)
20721.036	DECAY-DATA	27-CO-62-M	1.5MIN	13.91MIN	D	Duplication of 20721.054 where 14 min is taken from Table 1 of J,NP/A,283,269,1977.
20770.010	DECAY-DATA	30-ZN-71-G	24.MIN	2.45MIN	T?	24.MIN->2.4MIN?
20799.005	DECAY-DATA	12-MG-27	2.25MIN	9.458MIN	V	2.25 MIN->9.5 MIN
20830.005	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
20878.004	DECAY-DATA	51-SB-134	10.4SEC	0.78SEC	I	Add -M
20878.004	Data					ISOMER: Add 0 or 1 as appropriate.
20878.006	DECAY-DATA	50-SN-131-G	3.7MIN	56.0SEC	P	Private communication
20878.007	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20878.008	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20878.012	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20878.013	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
20879.007	DECAY-DATA	51-SB-134	10.0SEC	0.78SEC	I	Add -M
20879.007	Data					Add ISOMER=1 for 51-SB-134
20906.005	DECAY-DATA	47-AG-110-G	2.3MIN	24.6SEC	P	The source article (ARB.BER-19) not available.
21269.003	DECAY-DATA	19-K-39	0.95SEC	Stable	S	19-K-39 -> 19-K-38-G
21290.007	DECAY-DATA	49-IN-113-M	4.5HR	99.476MIN	N	as printed in p321

21402.002	DECAY-DATA	83-BI-208-M	2.6MSEC	3.68E+5YR	I	M->L
21402.002	DECAY-DATA					SF4: 83-BI-208-M -> 83-BI-208-L
21407.002	DECAY-DATA	39-Y-96	2.3MIN	5.34SEC	N	as printed in abstract
21411.002	DECAY-DATA	32-GE-75	48.SEC	82.78MIN	I	Add -M
21424.002	DECAY-DATA	41-NB-93-M	3.7YR	16.12YR	N	as printed in p225
21426.002	DECAY-DATA	30-ZN-69	13.9HR	56.4MIN	A	?
21426.004	DECAY-DATA	30-ZN-71	3.9HR	2.45MIN	A	?
21426.007	DECAY-DATA	32-GE-75	48.SEC	82.78MIN	I	Add -M
21426.009	DECAY-DATA	46-PD-107	21.3SEC	6.5E+6YR	I	Add -M
21426.010	DECAY-DATA	47-AG-107	44.3SEC	Stable	I	Add -M
21426.013	DECAY-DATA	46-PD-109	4.7MIN	13.7012HR	I	Add -M
21426.014	DECAY-DATA	47-AG-109	40.SEC	Stable	I	Add -M
21554.002	DECAY-DATA	47-AG-113	1.15MIN	5.37HR	A	?
21592.003	DECAY-DATA	39-Y-91	50.00MIN	58.51D	I	Add -M. Intensity must be added.
21592.003	Data					Add ISOMER=1 for 39-Y-81
21609.007	DECAY-DATA	45-RH-102-M	2.9HR	3.742YR	U	HR->YR
21609.020	DECAY-DATA	63-EU-154	16.0YR	8.601YR	N	as printed in Tabelle 2
21611.002	DECAY-DATA	91-PA-234	1.17MIN	6.70HR	I	Add -M. Also add (90-TH-234,24.1D).
21611.002	RAD-DET					Add (91-PA-234,DG).
21625.002	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in abstract
21625.003	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in abstract
21625.004	DECAY-MON	27-CO-60-M	5.26YR	10.467MIN	I	M->G
21686.001	DECAY-DATA	54-XE-143	0.96SEC	0.511SEC	A	?
21687.004	DECAY-DATA	39-Y-99	2.3SEC	1.484SEC	N	as printed in p.437
21687.004	DECAY-DATA	39-Y-101	1.SEC	0.45SEC	A	?
21701.002	DECAY-DATA	39-Y-99	2.3SEC	1.484SEC	N	as printed in Table 1
21701.002	DECAY-DATA	41-NB-99-G	168.SEC	15.0SEC	I	G->M
21701.002	DECAY-DATA	41-NB-99-M	15.SEC	2.5MIN	I	M->G
21701.002	Data					ISOMER: Swap 0 and 1 for 41-NB-99
21701.003	DECAY-DATA	41-NB-102	1.3SEC	4.3SEC	L	
21701.004	DECAY-DATA	51-SB-132	252.SEC	2.79MIN	I+L	Add G or M
21701.004	Data					ISOMER: Add 0 or 1 for 51-SB-132
21701.006	DECAY-DATA	51-SB-134	11.SEC	0.78SEC	I	Add -M
21701.006	Data					ISOMER: Add 1 for 51-SB-134
21709.001	DECAY-MON	11-NA-24	1500.HR	14.997HR	V	1500 HR->15.00 HR
21754.002	DECAY-DATA	45-RH-102-G	1057.D	207.3D	I	G->M (1057 d=2.9 y)
21754.002	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
21821.004	DECAY-DATA	94-PU-242	3.76E+06YR	3.75E+5YR	N	as printed in text (p53, left)
21821.005	DECAY-DATA	94-PU-242	3.76E+06YR	3.75E+5YR	N	as printed in text (p53, left)
21840.010	DECAY-DATA	41-NB-98	51.5MIN	2.86SEC	I	Add -M
21884.002	DECAY-DATA	14-SI-32	280.YR	153YR	N	as printed in abstract
21936.014	DECAY-DATA	25-MN-58-G	65.SEC	3.0SEC	I	G->M
21950.004	DECAY-DATA	21-SC-48	43.68D	43.67HR	T	D->HR. Confirmed by K.Kobayashi (2014-08-21).
21990.009	DECAY-DATA	40-ZR-85	63.98D	7.86MIN	S	40-ZR-85->40-ZR-95

21994.004	DECAY-DATA	49-IN-113-M	4.900E+01MIN	99.476MIN	S	49-IN-113-M->48-CD-111-M
22071.002	DECAY-DATA	94-PU-240	4.NSEC	6561YR	I	Add -L
22071.002	REACTION					SF1: 94-PU-240 -> 94-PU-240-L
22071.003	DECAY-DATA	94-PU-240	4.NSEC	6561YR	I	Add -L
22071.003	REACTION					SF1: 94-PU-240 -> 94-PU-240-L
22071.004	DECAY-DATA	94-PU-240	4.NSEC	6561YR	I	Add -L
22071.004	REACTION					SF1: 94-PU-240 -> 94-PU-240-L
22087.002	DECAY-DATA	45-RH-109	35.3SEC	80SEC	N	as printed in Table 1
22087.003	DECAY-DATA	51-SB-130-M	40.0MIN	6.3MIN	I	M->G
22087.003	Data					ISOMER: 1->0
22111.002	DECAY-DATA	58-CE-143	93.0HR	33.039HR	N	as given in Table 2. Typo?
22140.019	DECAY-DATA	26-FE-59	44.6HR	44.495D	T?	HR->D?
22161.002	DECAY-DATA	51-SB-130-G	378.SEC	39.5MIN	I	G->M
22161.002	DECAY-DATA	51-SB-130-M	2400.SEC	6.3MIN	I	M->G
22161.002	DECAY-DATA	51-SB-132-G	252.SEC	2.79MIN	L	
22161.002	Data					ISOMER: 0->1 for 51-SB-130
22192.010	DECAY-DATA	70-YB-175	4.19HR	4.185D	T	HR->D. Confirmed by C.Konno (2014-10-20). Concluded by comparison with the final data (22637.074).
22205.004	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 1
22208.003	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 1
22208.004	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I	M->G
22208.004	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
22247.002	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I+V	M->G; 35.8YR->36.9YR
22247.002	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
22247.004	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I+V	M->G; 35.8YR->36.9YR
22247.004	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
22312.005	DECAY-DATA	40-ZR-89-M	3.268D	4.161MIN	I	M->G
22371.003	DECAY-DATA	20-CA-49	8.716SEC	8.718MIN	U	SEC->MIN
22415.012	DECAY-DATA	45-RH-108-G	6.0MIN	16.8SEC	L	
22433.023	DECAY-DATA	45-RH-108-G	6.0MIN	16.8SEC	L	
22454.003	DECAY-DATA	72-HF-181	42.39HR	42.39D	U	HR->D
22466.008	DECAY-DATA	31-GA-70	8.1MIN	21.14MIN	V	Use (31-GA-70,21.2MIN,B-,1656.,0.996).
22579.010	DECAY-DATA	45-RH-104-G	94.SEC	42.3SEC	A	?
22637.007	DECAY-DATA	29-CU-64	12.699MIN	12.701HR	U	MIN->HR
22664.011	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.012	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.013	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.014	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.015	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.016	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.017	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.018	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22664.019	DECAY-MON	21-SC-46-M	18.75D	18.75SEC	A	?
22675.003	DECAY-DATA	52-TE-119-M	16.HR	4.70D	I	M->G

22675.009	DECAY-DATA	52-TE-121-G	9.35HR	19.17D	S	52-TE-121-G->52-TE-127-G
22675.013	DECAY-DATA	51-SB-128-G	39.5MIN	9.01HR	S	51-SB-128-G -> 51-SB-130-G
22675.013	REACTION					SF4: 51-SB-130-M -> 51-SB-130-G
22696.005	DECAY-DATA	94-PU-243	4.956YR	4.956HR	U	YR->HR
22751.007	DECAY-DATA	25-MN-54	312.14YR	312.12D	U	YR->D
22758.002	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I	M->G
22758.002	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
22769.002	DECAY-DATA	49-IN-116	54.1MIN	14.10SEC	I	Add -M1
22769.002	REACTION					SF4: 49-IN-116 -> 49-IN-116-M1+M2
22777.001	DECAY-DATA	75-RE-186-M	90.64HR	2.0E+5YR	I	Use (75-RE-186-M,2.0E+5)
22791.001	DECAY-DATA	58-CE-143	33.D	33.039HR	U	D->HR
22791.001	DECAY-DATA	61-PM-153	28.4HR	5.25MIN	S	61-PM-153->61-PM-151
22798.008	DECAY-DATA	36-KR-89	180900.SEC	3.15MIN	N	as printed in Table 10
22798.012	DECAY-DATA	47-AG-116	8.2SEC	237SEC	N	as printed in Table 14
22798.012	DECAY-DATA	47-AG-122	5.6SEC	0.529SEC	N	as printed in Table 14
22798.014	DECAY-DATA	49-IN-125	12.2SEC	2.36SEC	X	Add M. Also 49-IN-125-M2->49-IN-125-L.. The 0.6 sec state is unknown. Email sent to J.Galy (2014-09-09).
22798.014	DECAY-DATA	49-IN-126-M	0.6SEC	1.64SEC	V	0.6SEC->1.64SEC
22798.016	DECAY-DATA	51-SB-130	378.0SEC	39.5MIN	I	Add -M
22798.016	DECAY-DATA	51-SB-130-M	2370.0SEC	6.3MIN	I	M->G
22798.016	Data					ISOMER: Add 1 for 51-SB-130
22798.016	Data					ISOMER: 1->0 for 51-SB-130
22798.017	DECAY-DATA	52-TE-131-M	0.1SEC	33.25HR	I	M->L
22802.004	DECAY-DATA	49-IN-116	54.1MIN	14.10SEC	A	? The compiler wrongly copied it from 22769.002. Email sent to Taeik Ro (2014-09-07).
22815.004	DECAY-DATA	52-TE-131-G	33.25HR	25.0MIN	V+U	Use (52-TE-131-G,25.0MIN,DG,149.7,0.689).
22817.005	DECAY-DATA	43-TC-95-M	6.006HR	61D	S	43-TC-95-M->43-TC-99-M
22827.001	DECAY-MON	12-MG-27	485.MIN	9.458MIN	V	485.MIN->9.485 MIN
22827.017	DECAY-DATA	51-SB-128-G	4.40HR	9.01HR	S	51-SB-128-G->51-SB-129-G
22853.003	DECAY-DATA	49-IN-115-M	4.486MIN	4.486HR	U	MIN->HR
22853.010	DECAY-DATA	12-MG-27	4.462MIN	9.458MIN	N	as printed in Table 2
22883.006	DECAY-DATA	83-BI-210-G	5.01HR	5.012D	U	HR->D
22883.007	DECAY-DATA	83-BI-210-G	5.01HR	5.012D	U	HR->D
22883.008	DECAY-DATA	83-BI-210-G	5.01HR	5.012D	U	HR->D
22935.006	DECAY-DATA	80-HG-203	41.6HR	46.594D	V+U	Use (80-HG-203,46.6D,279.2,0.815).
23018.011	DECAY-DATA	79-AU-200-G	48.4HR	48.4MIN	T	HR->MIN. Confirmed by Y.Kasugai. Logbook was checked.
23026.001	DECAY-DATA	96-CM-243	5.50E+11YR	29.1YR	X	Delete all DECAY-DATA lines. Not relevant to the data measured.
23026.001	DECAY-DATA	96-CM-244	1.32E+07YR	18.1YR	X	Delete all DECAY-DATA lines. Not relevant to the data measured.
23026.001	DECAY-DATA	96-CM-245	1.40E+12YR	8423YR	X	Delete all DECAY-DATA lines. Not relevant to the data measured.
23026.001	DECAY-DATA	96-CM-246	1.81E+07YR	4706YR	X	Delete all DECAY-DATA lines. Not relevant to the data measured.
23026.001	DECAY-DATA	96-CM-248	4.05E+06YR	3.48E+5YR	X	Delete all DECAY-DATA lines. Not relevant to the data measured.

23094.017	DECAY-DATA	78-PT-181	2.802D	52.0SEC	S	78-PT-181->78-PT-191
23107.004	DECAY-DATA	32-GE-77-G	11.30SEC	11.30HR	U	SEC->HR
30034.002	DECAY-DATA	95-AM-244-M	0.6MSEC	26MIN	I	M->L
30034.002	REACTION					SF4: 95-AM-244-M -> 95-AM-244-L
30034.003	DECAY-DATA	95-AM-244-M	0.6MSEC	26MIN	I	M->L
30034.003	REACTION					SF4: 95-AM-244-M -> 95-AM-244-L
30060.008	DECAY-DATA	40-ZR-89-M	48.SEC	4.161MIN	S	40-ZR-89-M->32-GE-75-M
30060.009	DECAY-DATA	40-ZR-89-M	48.SEC	4.161MIN	S	40-ZR-89-M->32-GE-75-M
30066.005	DECAY-DATA	45-RH-104-M	42.81SEC	4.34MIN	V+U	42.81SEC->4.29MIN
30079.003	DECAY-DATA	23-V-52	3.8HR	3.743MIN	V	HR->MIN
30079.016	DECAY-DATA	35-BR-80-M	18.MIN	4.4205HR	I	M->G
30079.022	DECAY-DATA	46-PD-111-G	2.2MIN	23.4MIN	V	2.2MIN->22.MIN
30079.026	DECAY-DATA	52-TE-129-G	72.SEC	69.6MIN	U	SEC->MIN
30105.006	DECAY-DATA	49-IN-119-M	2.26MIN	18.0MIN	V	2.26MIN->22.6MIN
30105.007	DECAY-DATA	49-IN-119-M	2.26MIN	18.0MIN	V	2.26MIN->22.6MIN
30105.008	DECAY-DATA	49-IN-119-M	2.26MIN	18.0MIN	V	2.26MIN->22.6MIN
30129.004	DECAY-DATA	34-SE-81	62.MIN	18.45MIN	I	Add -M
30129.004.1	REACTION					SF4: 34-SE-81 -> 34-SE-81-M
30129.004.2	REACTION					SF4: 34-SE-81 -> 34-SE-81-M
30136.018	DECAY-DATA	51-SB-130-G	12.3MIN	39.5MIN	I	G->M (c.f. Table 1 of J,NP,45,579,1963)
30136.018	REACTION					SF4: 51-SB-130-G -> 51-SB-130-M
30136.019	DECAY-DATA	51-SB-130-M	35.6MIN	6.3MIN	I	M->G (c.f. Table 1 of J,NP,45,579,1963)
30136.019	REACTION					SF4: 51-SB-130-M -> 51-SB-130-G
30152.007	DECAY-MON	31-GA-70	2.3MIN	21.14MIN	V	2.3MIN->21.1MIN
30152.012	DECAY-MON	45-RH-104	133.MIN	42.3SEC	S	45-RH-104->45-RH-106-M. MONITOR must be (47-AG-109(N,A)45-RH-106-M,,SIG)
30157.001	DECAY-DATA	75-RE-190-G	10.MIN	3.1MIN	V	Delete. The correct T1/2 is given in the data subentry (002).
30169.005	DECAY-MON	29-CU-64	5.1MIN	12.701HR	N	as printed in Table 1(b)
30171.006	DECAY-DATA	49-IN-116-M1	2.16SEC	54.29MIN	A	Delete this DECAY-DATA line. Not relevant to the data measured.
30171.006	DECAY-DATA	49-IN-116-M2	545.MIN	2.18SEC	A	?
30171.006	REACTION					SF4: 49-IN-116-M -> 49-IN-116-M1+M2
30239.004	DECAY-DATA	61-PM-151	12.HR	28.40HR	V	12.HR->28.HR
30249.002	DECAY-DATA	72-HF-181	4.3D	42.39D	V	4.3D->43.D
30260.002	DECAY-DATA	41-NB-92-M	1.0160D	10.15D	A	?
30260.003	DECAY-MON	41-NB-92-M	1.0160D	10.15D	A	?
30260.004	DECAY-MON	41-NB-92-M	1.0160D	10.15D	A	?
30267.002	DECAY-DATA	38-SR-91	50.MIN	9.63HR	S	38-SR-91->39-Y-91-M
30267.002	DECAY-DATA	43-TC-99-G	6.0HR	2.111E+5YR	I	G->M
30267.002	DECAY-DATA	46-PD-112	3.2HR	21.03HR	S	46-PD-112->47-AG-112
30282.001	DECAY-MON	78-PT-199-M	94.4MIN	13.6SEC	S	78-PT-199-M->78-PT-197-M
30322.018	DECAY-DATA	75-RE-192	6.SEC	16SEC	A	?
30323.004	DECAY-DATA	54-XE-127-G	5.65D	36.346D	S	54-XE-127-G->54-XE-133-G. Also 54-XE-127-M->54-XE-133-M.
30336.032	DECAY-DATA	45-RH-108-M	18.SEC	6.0MIN	L	

30348.010	DECAY-DATA	41-NB-92-G	350.YR	3.47E+7YR	T?	350.YR -> 350.E+5YR?
30394.013	DECAY-DATA	41-NB-100	3.MIN	1.5SEC	N	as printed in p117
30394.013	DECAY-DATA	41-NB-100	11.MIN	1.5SEC	N	as printed in p117
30449.001	DECAY-MON	11-NA-24	2.52HR	14.997HR	N	as printed in Table 1
30569.001	DECAY-DATA	71-LU-178-M	5.MIN	23.1MIN	N	as printed in abstract
30576.005	DECAY-DATA	41-NB-100-M	11.MIN	2.99SEC	N	as printed in Table 1
30691.002	DECAY-DATA	37-RB-91	14.MIN	58.4SEC	N	as printed in Table 2
30691.002	DECAY-DATA	45-RH-109	30.0SEC	80SEC	X	Delete. 106Pd is wrongly introduced as a precursor of 109Pd.
30691.002	DECAY-DATA	50-SN-129	7.5MIN	2.23MIN	I?	Add -M (c.f. LEDERER-7)
30691.002	DECAY-DATA	51-SB-132	4.21MIN	2.79MIN	L	
30691.002	DECAY-DATA	57-LA-146	11.1SEC	6.27SEC	L	
30738.002	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
30738.003	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
30751.002	DECAY-DATA	50-SN-129-G	7.5MIN	2.23MIN	I?	G->M (c.f. LEDERER-7)
30751.002	DECAY-DATA	51-SB-132-G	4.21MIN	2.79MIN	L	
30751.004	DECAY-DATA	51-SB-132-G	4.21MIN	2.79MIN	L	
30793.002	DECAY-DATA	42-MO-99	39.35D	65.976HR	V+U	39.35D->66.2HR
30793.002	DECAY-DATA	52-TE-134	41.8HR	41.8MIN	U	HR->MIN
30798.002	DECAY-DATA	43-TC-109	1.4SEC	0.86SEC	N	as printed in p7
30803.002	DECAY-DATA	40-ZR-89-M	78.4HR	4.161MIN	I	M->G
30803.002	REACTION					SF4-SF5: Use 40-ZR-89-G,M+
30923.002	DECAY-MON	25-MN-57	9.45MIN	85.4SEC	S	25-MN-57->12-MG-27
30923.002	DECAY-MON	49-IN-115	4.86HR	4.41E+14YR	I+V	Add -G, 4.86HR->4.486HR
30942.003	DECAY-DATA	49-IN-116-M2	54.2MIN	2.18SEC	I	M2->M1
30942.003	REACTION					SF4-SF5: 49-IN-116-M1,M+ -> 49-IN-116-M1+M2,
30960.004	DECAY-DATA	57-LA-148	2.6SEC	1.26SEC	X	as given in Ref.[10] (Table I of J,PR/C,19,1948, publication of the same group)
30960.005	DECAY-DATA	57-LA-148	2.6SEC	1.26SEC	X	as given in Ref.[10] (Table I of J,PR/C,19,1949, publication of the same group)
31003.002	DECAY-DATA	11-NA-24	20.3MSEC	14.997HR	I	Add -L
31237.002	DECAY-DATA	47-AG-110-G	2.4SEC	24.6SEC	V	2.4SEC->24.2SEC
31237.004	DECAY-DATA	47-AG-110-G	2.2MIN	24.6SEC	S	47-AG-110-G->47-AG-108-G
31244.010	DECAY-DATA	60-ND-151	18.8MIN	12.44MIN	N	as printed in Table I
31247.016	DECAY-DATA	63-EU-150-G	13.4HR	36.9YR	I	G->M
31247.016	REACTION					SF4: 63-EU-150-G -> 63-EU-150-M
31249.003	DECAY-DATA	50-SN-123-G	41.MIN	129.2D	I	G->M
31249.003	REACTION					SF4: 50-SN-123-G -> 50-SN-123-M
31249.015	DECAY-DATA	50-SN-125-G	9.8MIN	9.64D	I	G->M
31249.015	REACTION					SF4: 50-SN-125-G -> 50-SN-125-M
31281.002	DECAY-DATA	41-NB-98-G	1.5MIN	2.86SEC	N	as printed in p292
31409.006	DECAY-DATA	36-KR-87	76.D	76.3MIN	T?	D->MIN?
31409.006	DECAY-MON	36-KR-87	76.D	76.3MIN	T?	D->MIN?
31411.004	DECAY-DATA	77-IR-190-G	11.8YR	11.78D	U	YR->D
31411.005	DECAY-DATA	77-IR-190-G	11.8YR	11.78D	U	YR->D

31421.010	DECAY-DATA	54-XE-133-M	2.19HR	2.198D	T?	HR->D? Email sent to Yu.Titarenko (2014-10-16).
31433.001	DECAY-MON	41-NB-91-M	10.15D	60.86D	S	41-NB-91-M->41-NB-92-M
31433.002	DECAY-DATA	47-AG-108-M	127.YR	438YR	V	127.YR->433.YR
31438.005	DECAY-DATA	27-CO-62-G	14.MIN	1.50MIN	I	G->M
31438.005	REACTION					SF4: 27-CO-62 -> 27-CO-62-M
31439.002	DECAY-DATA	61-PM-152-M2	13.8MIN	7.52MIN	L	
31449.006	DECAY-DATA	26-FE-59	70.78D	44.495D	S	26-FE-59->27-CO-58-G
31449.007	DECAY-DATA	25-MN-56	2.58D	2.5789HR	T?	D->HR?
31449.010	DECAY-DATA	27-CO-62-G	13.90MIN	1.50MIN	I	G->M
31449.010	REACTION					SF4: 27-CO-62 -> 27-CO-62-M
31454.003	DECAY-DATA	63-EU-150-M	36.9YR	12.8HR	I	M->G
31454.003	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
31460.005	DECAY-DATA	29-CU-68-G	3.75MIN	30.9SEC	I	G->M
31495.010	DECAY-DATA	39-Y-90-M	49.71MIN	3.19HR	S	39-Y-90-M -> 39-Y-91-M
31495.032	DECAY-DATA	39-Y-90-M	49.71MIN	3.19HR	S	39-Y-90-M -> 39-Y-91-M
31496.048	DECAY-DATA	47-AG-113-M	5.37HR	68.7SEC	I	M->G
31496.048	REACTION					SF4-SF5: Use 47-AG-113-G,M+
31496.053	DECAY-DATA	49-IN-118-G	4.45MIN	5.0SEC	I	G->M1
31496.053	REACTION					SF4: 49-IN-118 -> 49-IN-118-M1+M2
31538.001	DECAY-DATA	53-I-134-G	82.6MIN	52.5MIN	T?	82.6 MIN -> 52.6 MIN?
31538.001	DECAY-DATA	61-PM-149	15.08HR	53.08HR	T?	15.08HR->53.08 HR?
31542.003	DECAY-DATA	64-GD-159	33.6D	18.479HR	T	33.6D->18.0HR. Confirmed by P.N.Son (2014-10-20). Experimental data and processing files (2004) checked.
31551.017	DECAY-DATA	50-SN-123	40.0MIN	129.2D	I	Add -M
31573.002	DECAY-DATA	57-LA-140	12.75D	1.67855D	T?	?
31596.001	DECAY-DATA	74-W-180	121.2D	6.6E+17YR	S	74-W-180->74-W-181
31596.001	DECAY-DATA	74-W-184	75.1D	Stable	S	74-W-184->74-W-185-G
31596.001	DECAY-DATA	74-W-186	0.988D	2.3E+19YR	S	74-W-186->74-W-187
31631.001	DECAY-DATA	50-SN-126	12.4D	2.30E+5YR	S	50-SN-126->50-SB-126-G
31631.002	DECAY-DATA	50-SN-127-M	19.0MIN	4.13MIN	X	Use (50-SN-127-M,4.13MIN) and (51-SB-127,3.85D,DG,473.2,0.248,DG,684.9,0.368,DG,782.6,0.15).
31631.002	RAD-DET					Add (51-SB-127,DG).
31631.002	STATUS					Add (DEP,31631003).
31631.004	DECAY-DATA	50-SN-127	3.85D	2.10HR	X	Delete this DECAY-DATA line. Not relevant to the data measured.
31660.001	DECAY-DATA	67-HO-166-G	26.795D	26.824HR	T	D->HR. Confirmed by M.J.Rajput (2014-10-21). C.f. the half-life printed in Fig.1 (26.8 hr).
31664.007	DECAY-DATA	38-SR-85-G	764.84HR	64.850D	V	764.84HR->64.84 HR
31664.010	DECAY-DATA	38-SR-85-G	764.84HR	64.850D	V	764.84HR->64.84 HR
31690.015	DECAY-DATA	51-SB-124-M2	93.SEC	20.2MIN	I	M2->M1
32218.007	DECAY-DATA	32-GE-75-M	39.05HR	47.7SEC	A	?
32219.007	DECAY-DATA	70-YB-176	4.19D	Stable	S	70-YB-176->70-YB-175
32231.004	DECAY-DATA	32-GE-75-M	11.30HR	47.7SEC	S	32-GE-75-M->32-GE-77-G
32231.004	REACTION					SF4-SF5: Use 32-GE-77-G,M+

32231.005	DECAY-DATA	32-GE-75-M	82.78MIN	47.7SEC	I	M->G
32551.001	DECAY-MON	27-CO-58-G	70.916HR	70.86D	T?	HR->D?
32662.002	DECAY-DATA	36-KR-85	4.48HR	10.752YR	I	Add -M
32662.002	DECAY-DATA	36-KR-97	16.9HR	63MSEC	T	36-KR-97->40-ZR-97
32662.002	DECAY-DATA	38-SR-91	49.7MIN	9.63HR	N	as printed in Table 1
32662.002	DECAY-DATA	39-Y-91	212.4MIN	58.51D	S	39-Y-91->39-Y-92
32666.001	DECAY-DATA	51-SB-132	252.0SEC	2.79MIN	I+L	Add -M if ISOMER=1 is added.
32666.002	Data					ISOMER: Add 0 or 1 as appropriate.
32668.001	DECAY-DATA	45-RH-109	7.8SEC	80SEC	V	7.8SEC->79.8SEC
32668.001	DECAY-DATA	56-BA-139	974.0SEC	83.06MIN	N	as printed in Table 2
32668.001	DECAY-DATA	58-CE-143	56.0SEC	33.039HR	V	56.SEC->118800.SEC
33004.016	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
33018.016	DECAY-DATA	51-SB-130-G	6.3MIN	39.5MIN	I	G->M
33018.016	DECAY-DATA	51-SB-130-M	38.4MIN	6.3MIN	I	M->G
33018.016	REACTION					SF4: 51-SB-130-G/T -> 51-SB-130-M/T
33021.004	DECAY-DATA	52-TE-133-M	12.5MIN	55.4MIN	I	M->G
33024.002	DECAY-DATA	27-CO-58-M	70.82D	9.10HR	I	M->G. Confirmed by M.Bhike (2014-08-03).
33024.002	REACTION					SF4: 27-CO-58-M -> 27-CO-58
33038.002	DECAY-DATA	90-TH-233	26.975D	21.83MIN	S	90-TH-233->91-PA-233
33038.002	RAD-DET					Add (91-PA-233,DG).
40205.002	DECAY-DATA	42-MO-99	66.96D	65.976HR	U	D->HR
40205.004	DECAY-DATA	58-CE-143	33.4D	33.039HR	U	D->HR
40216.004	DECAY-DATA	9-F-18	111.0SEC	109.77MIN	U	SEC->MIN
40216.028	DECAY-DATA	41-NB-92-G	10.1D	3.47E+7YR	I	G->M
40216.028.1	REACTION					SF4: 41-NB-92 -> 41-NB-92-M
40216.028.2	REACTION					SF4: 41-NB-92 -> 41-NB-92-M
40216.029	DECAY-DATA	41-NB-92-G	10.1D	3.47E+7YR	I	G->M
40216.029.1	REACTION					SF4: 41-NB-92 -> 41-NB-92-M
40216.029.2	REACTION					SF4: 41-NB-92 -> 41-NB-92-M
40252.001	DECAY-DATA	97-BK-249	1.65E+09YR	330D	X	T1/2(sf) given
40252.001	DECAY-DATA	98-CF-249	2.0E+09YR	351YR	X	Delete this DECAY-DATA line. Not relevant to the data measured.
40336.090	DECAY-DATA	46-PD-111-M	22.MIN	5.5HR	I	M->G
40467.012	DECAY-DATA	95-AM-244-G	26.MIN	10.1HR	I	G->M
40467.012	DECAY-DATA	95-AM-244-M	10.1HR	26MIN	I	M->G
40467.012	DECAY-DATA	96-CM-244	18.1D	18.1YR	I	D->YR
40467.017	DECAY-DATA	95-AM-244-G	26.MIN	10.1HR	I	G->M
40467.017	DECAY-DATA	95-AM-244-M	10.1HR	26MIN	I	M->G
40467.017	DECAY-DATA	96-CM-244	18.1D	18.1YR	I	D->YR
40490.001	DECAY-DATA	96-CM-242	6.09E+6YR	162.8D	X	T1/2(sf) given
40490.001	DECAY-DATA	96-CM-244	1.270E+7YR	18.1YR	X	T1/2(sf) given
40536.009	DECAY-DATA	77-IR-192-G	74.02HR	73.829D	U	HR->D
40536.010	DECAY-DATA	77-IR-192-G	74.02HR	73.829D	U	HR->D
40579.003	DECAY-DATA	91-PA-231	3.276E+4HR	3.276E+4YR	T?	HR->YR?
40673.002	DECAY-DATA	95-AM-241	432.9HR	432.6YR	U	HR->YR

40673.003	DECAY-DATA	94-PU-238	87.74HR	87.7YR	U	HR->YR
40673.004	DECAY-DATA	94-PU-238	6537.HR	87.7YR	S+U	94-PU-238->94-PU-240, HR -> YR
40674.002	DECAY-DATA	92-U-238	8.3E+15HR	4.468E9YR	X	T1/2(sf) given
40674.003	DECAY-DATA	92-U-238	8.3E+15HR	4.468E9YR	X	Use (92-U-236,2.7E+16YR). This is T1/2(sf).
40798.005	DECAY-DATA	49-IN-120	51.0SEC	3.08SEC	L	Two states have similar T1/2~50 sec.
40798.007	DECAY-DATA	49-IN-119-G	2.0SEC	2.4MIN	V+U	2.0SEC->2.3MIN
40841.005	DECAY-DATA	94-PU-241	6.04E+5YR	14.325YR	X	T1/2(a) given
40886.002	DECAY-DATA	79-AU-198	6.75D	2.6948D	T?	6.75D->64.704HR? See text (p956).
40886.002	DECAY-DATA	92-U-237	64.704HR	6.75D	T?	64.704HR->6.75D? See text (p956).
40898.002	DECAY-DATA	93-NP-236	22.5HR	153E+3YR	L	
40927.002	DECAY-DATA	92-U-238	4.468E5YR	4.468E9YR	V	4.468E+5YR->4.468E+9YR
40931.002	DECAY-DATA	96-CM-243	5.5E+11YR	29.1YR	X	T1/2(sf) given
40931.002	DECAY-DATA	96-CM-244	1.344E+07YR	18.1YR	X	T1/2(sf) given
40931.002	DECAY-DATA	96-CM-246	1.809E+07YR	4706YR	X	T1/2(sf) given
40956.008	DECAY-DATA	25-MN-56	2.578YR	2.5789HR	U	YR->HR
40956.009	DECAY-DATA	27-CO-60	5.272D	1925.28D	N	as printed in Table 1 (typo? "192" missing?)
40994.002	DECAY-DATA	95-AM-242-M	3.13E+04YR	141YR	X	T1/2(a) given
40997.002	DECAY-MON	92-U-239	2.35D	23.45MIN	X	Use (92-U-237,6.752D,DG,208.,0.218).
41163.004	DECAY-DATA	51-SB-124-M2	2.20MIN	20.2MIN	V	2.20MIN->20.2MIN
41257.017	DECAY-DATA	45-RH-104-G	44.0MIN	42.3SEC	N	as printed in table
41271.001	DECAY-DATA	98-CF-249	2.0E+09YR	351YR	X	Delete. Lower boundary of T1/2(sf).
41344.001	DECAY-MON	71-LU-176-G	581472.SEC	3.76E+10YR	S	71-LU-176-G->71-LU-177-G
41424.011	DECAY-DATA	34-SE-73-M	7.15HR	39.8MIN	I	M->G
41424.030	DECAY-DATA	41-NB-96	78.41HR	23.35HR	T	Use (41-NB-96,23.35HR,DG,568.9,0.580,DG,1091.3,0.485,DG,1200.2,0.1997). Confirmed by A.Filatenkov (2014-09-26). No influence on the reported cross section.
41428.026	DECAY-DATA	75-RE-190-M	3.2D	3.2HR	T	D->HR. Confirmed by A.Firatenkov (2014-10-31).
41452.005	DECAY-DATA	79-AU-197-G	2.69D	Stable	S	79-AU-197-G->79-AU-198-G
41452.005	DECAY-DATA	79-AU-197-M	2.30D	7.73SEC	S	79-AU-197-M->79-AU-198-M
41453.005	DECAY-DATA	79-AU-197-G	6.18D	Stable	S	79-AU-197-G->79-AU-196-G
41453.006	DECAY-DATA	79-AU-197-G	6.18D	Stable	S	79-AU-197-G->79-AU-196-G
41533.002	DECAY-DATA	96-CM-246	470.YR	4706YR	V	470.YR ->4760.YR
41565.009	DECAY-DATA	42-MO-90	14.60HR	5.56HR	S	42-MO-90->42-NB-90
A0001.002	DECAY-DATA	49-IN-110-G	69.0MIN	4.9HR	I	G->M
A0001.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0001.005	DECAY-DATA	49-IN-110-G	69.0MIN	4.9HR	I	G->M
A0001.005	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0005.001	DECAY-DATA	104-RF-260	0.1SEC	21MSEC	I	as printed in text (p132 left)
A0010.002	DECAY-DATA	104-RF-260	80.MSEC	21MSEC	X	T1/2(sf) given? 0.1 sec is also seen in text (p785).
A0026.085	DECAY-DATA	83-BI-204	11.22D	11.22HR	T?	D->HR?
A0026.148	DECAY-DATA	81-TL-202	12.23HR	12.31D	T?	HR->D?
A0061.002	DECAY-DATA	100-FM-252	7.04HR	25.39HR	V	7.04HR -> 22.8 HR
A0070.002	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	

A0070.002	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0070.003	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0070.003	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0070.004	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0070.004	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0071.009	DECAY-DATA	101-MD-250	52.SEC	25SEC	N	as printed in Table 1
A0079.002	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
A0079.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0079.002	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
A0085.018	DECAY-DATA	51-SB-120-M	15.8MIN	5.76D	L	
A0096.006	DECAY-DATA	49-IN-111-G	283.D	2.8047D	A	?
A0096.007	DECAY-DATA	49-IN-110	69.MIN	4.9HR	I	Add -M
A0096.007	Data					Add ISOMER=1 for 49-IN-110
A0100.007	DECAY-DATA	21-SC-48	43.67D	43.67HR	U	D->HR
A0128.002	DECAY-DATA	53-I-126	4.17D	12.93D	S	53-I-126->53-I-124
A0168.013	DECAY-DATA	11-NA-22	2.6D	2.6027YR	T?	D->YR?
A0168.014	DECAY-DATA	11-NA-22	2.6D	2.6027YR	T?	D->YR?
A0168.091	DECAY-DATA	41-NB-92-M	101.1D	10.15D	T?	101.1D->10.11D?
A0168.092	DECAY-DATA	41-NB-92-M	101.1D	10.15D	T?	101.1D->10.11D?
A0168.106	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 2
A0168.145	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I	M->G
A0168.145	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
A0168.146	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	I	M->G
A0168.146	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
A0168.167	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0168.168	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0194.013	DECAY-DATA	11-NA-22	15.HR	2.6027YR	A	?
A0194.014	DECAY-DATA	11-NA-22	2.6D	2.6027YR	A	?
A0194.104	DECAY-DATA	41-NB-92-M	101.1D	10.15D	A	?
A0194.105	DECAY-DATA	41-NB-92-M	101.1D	10.15D	A	?
A0194.119	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 2 of INDC(CCP)-188
A0194.163	DECAY-DATA	63-EU-150-M	35.8YR	12.8HR	A	M->G
A0194.185	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0194.186	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0195.029	DECAY-DATA	41-NB-92-M	101.1D	10.15D	A	?
A0195.094	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0195.095	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0195.114	DECAY-DATA	41-NB-92-M	101.1D	10.15D	A	?
A0195.118	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 2 of INDC(CCP)-188
A0195.129	DECAY-DATA	11-NA-22	2.6D	2.6027YR	T?	D->YR?
A0195.145	DECAY-DATA	75-RE-182-M	64.HR	12.7HR	L	
A0195.146	DECAY-DATA	75-RE-182-G	12.7HR	64.0HR	L	
A0195.156	DECAY-DATA	11-NA-22	2.6D	2.6027YR	T?	D->YR?
A0196.163	REACTION					SF4: 63-EU-150-M -> 63-EU-150-G
A0206.002	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M

A0206.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0206.002	REACTION					SF4: 49-IN-110-G/M -> 49-IN-110-M/G
A0207.003.B	DECAY-DATA	52-TE-123-G	10.E+13YR	9.2E+16YR	N	as printed in Table I
A0207.003.C	DECAY-DATA	52-TE-123-G	10.E+13YR	9.2E+16YR	N	as printed in Table I
A0212.005	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0212.005	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0212.006	DECAY-DATA	49-IN-110-G	1.15HR	4.9HR	A	?
A0225.002	DECAY-DATA	37-RB-84-M	3.19HR	20.26MIN	N	as printed in Table 1. Characteristic gamma lines of the 20.26 min state detected.
A0225.003	DECAY-DATA	41-NB-90-M	14.6HR	18.81SEC	I	M->G
A0225.003	DECAY-DATA	51-SB-116	60.4MIN	15.8MIN	X	T1/2 is from one state and radiation data from the other state?
A0225.003	Data					Delete ISOMER=1 for 41-NB-90
A0246.003.E	DECAY-DATA	83-BI-210-M	5.D	3.04E+6YR	I	M->G
A0283.008	DECAY-DATA	73-TA-178-G	2.2HR	N/A	L	
A0291.003	DECAY-DATA	51-SB-120-G	5.76D	15.89MIN	L	
A0291.003	DECAY-DATA	51-SB-120-M	16.MIN	5.76D	L	
A0303.010	DECAY-DATA	44-RU-107	18.4MIN	3.75MIN	T?	44-RU-107->45-RH-107?
A0303.012	DECAY-DATA	46-PD-112	3.14HR	21.03HR	T?	46-PD-112->47-AG-112?
A0303.022	DECAY-DATA	56-BA-141	1.38HR	18.27MIN	S	56-BA-141->56-BA-139
A0303.026	DECAY-DATA	58-CE-141	32.5HR	32.508D	T?	HR->D?
A0314.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0314.002	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0314.003	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
A0314.003	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0314.004	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
A0314.004	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0314.005	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0314.005	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0314.007	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0314.007	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0314.008	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
A0314.008	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0319.011.G	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
A0319.011.G	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0319.011.M	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0319.011.M	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0319.021.G	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
A0319.021.G	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0319.021.M	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0319.021.M	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
A0319.027.G	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
A0319.027.G	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
A0319.027.M	DECAY-DATA	49-IN-110-M	4.9MIN	69.1MIN	I+U	M->G, MIN->HR
A0319.027.M	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G

A0319.034	DECAY-DATA	31-GA-66	93.HR	9.49HR	V	93.HR->9.3HR
A0322.005	DECAY-DATA	93-NP-236	22.HR	153E+3YR	L	
A0333.004	DECAY-DATA	30-ZN-65	58.56HR	243.93D	V	58.56HR->5856.HR
A0347.003.1	DECAY-DATA	43-TC-95	61.D	20.0HR	I	Add -M. Also add (43-TC-95-G,20.HR,766.,0.94).
A0347.005.3	DECAY-DATA	30-ZN-63	38.8D	38.47MIN	U	D->MIN
A0347.007	DECAY-DATA	29-CU-61	3.41D	3.333HR	U	D->HR
A0349.038	DECAY-DATA	39-Y-85-M	0.667HR	4.86HR	S	Y-85-M -> Y-84-G. Delete COMMENT.
A0349.038	REACTION					39-Y-84-M -> 39-Y-84-G
A0353.005	DECAY-DATA	29-CU-61	9.4HR	3.333HR	V	9.4HR->3.4HR
A0360.007	DECAY-DATA	25-MN-51	28.D	46.2MIN	N	as printed in Table 2
A0372.002	DECAY-DATA	21-SC-44-G	2.44D	3.97HR	I	G->M
A0372.002	DECAY-DATA	21-SC-44-M	3.93HR	58.61HR	I	M->G
A0390.003	DECAY-DATA	47-AG-105	7.2MIN	41.29D	I	Add -M
A0390.006	DECAY-DATA	47-AG-110-M	24.6SEC	249.76D	A	?
A0390.007	DECAY-DATA	47-AG-111	1.2MIN	7.45D	I	Add -M
A0402.001	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
A0402.006	Data					ISOMER: 0->1 for 49-IN-110
A0402.007	Data					ISOMER: 0->1 for 49-IN-110
A0410.004	DECAY-DATA	99-ES-250	0.09D	8.6HR	L	
A0441.010	DECAY-DATA	27-CO-56	15.2MIN	77.236D	V+U	Use (27-CO-56,77.2D,DG,1238.,0.66).
A0446.014	DECAY-DATA	45-RH-99-G	4.7HR	16.1D	I	G->M
A0451.006	DECAY-DATA	45-RH-99-M	4.7D	4.7HR	T	D->HR?
A0471.122	DECAY-DATA	83-BI-204	11.22D	11.22HR	A	?
A0484.002	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
A0484.003	DECAY-DATA	45-RH-102-M	207.D	3.742YR	I	M->G
A0484.004	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
A0484.004	DECAY-DATA	45-RH-102-M	207.D	3.742YR	I	M->G
A0487.002	DECAY-DATA	55-CS-122-M1	4.5MIN	0.36SEC	I	M1->M2
A0487.002	REACTION					SF4: 55-CS-122-M1 -> 55-CS-122-M2
A0515.051	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
A0515.051	REACTION					SF4: 39-Y-84-M -> 39-Y-84-G
A0523.019	DECAY-DATA	75-RE-186	90.64D	3.7186D	N	as printed in Table 2
A0528.003	DECAY-DATA	93-NP-236	22.5HR	153E+3YR	L	
A0535.002	DECAY-DATA	9-F-18	0.109SEC	109.77MIN	A	0.109SEC->109.8MIN (c.f. J,IZV,57,(10),187,1993 and J,BAS,57,1832,1993 which must be added.)
A0536.016	DECAY-DATA	47-AG-104-M	5.7SEC	33.5MIN	A	?
A0538.004	DECAY-DATA	51-SB-122-G	2.72YR	2.7238D	A	?
A0544.010	DECAY-DATA	83-BI-204	1.02HR	11.22HR	V	1.02 HR->11.2HR
A0557.030	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
A0557.030	REACTION					SF4: 39-Y-84-M -> 39-Y-84-G
A0565.011	DECAY-DATA	41-NB-89-M	1.8HR	66MIN	N	as printed in Table 1
A0566.003	DECAY-DATA	51-SB-124-M1	20.2MIN	93SEC	A	Delete this DECAY-DATA line. Not relevant to the data measured.
A0567.002	DECAY-DATA	73-TA-178-G	9.3MIN	N/A	L	

A0571.002	DECAY-DATA	54-XE-127-G	36.4HR	36.346D	U	HR->D
A0578.006	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 1
A0578.046	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 1
A0578.091	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in Table 1
A0580.018	DECAY-DATA	26-FE-52-G	45.9SEC	8.275HR	V	45.9 SEC -> 8.27 HR (page 220) or delete (not relevant -> data reduction)
A0583.016	DECAY-DATA	41-NB-89-M	1.9HR	66MIN	I	M->G
A0583.018	DECAY-DATA	41-NB-89-M	1.9HR	66MIN	I	M<->G
A0583.032	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
A0583.032	REACTION					SF4: 39-Y-84-M -> 39-Y-84-G; SF5: IND -> CUM; delete free text
A0598.004	DECAY-DATA	72-HF-179-M2	25.HR	25.05D	T	HR->D. Confirmed by B.L.Zhuikov (2014-10-20). "d" in the submitted manuscript.
A0598.006	DECAY-DATA	73-TA-178-M	2.5HR	9.31MIN	L	
A0598.013	DECAY-DATA	74-W-177	23.HR	132MIN	T	23.HR->2.25HR. Confirmed by B.L.Zhuikov (2014-10-20).
A0630.007	DECAY-DATA	25-MN-52-G	70.78D	5.591D	V	70.78 D -> 5.59 D
A0635.003	DECAY-DATA	73-TA-178-G	9.31MIN	N/A	L	
A0635.003	DECAY-DATA	73-TA-178-M	2.45HR	9.31MIN	L	
A0650.005	DECAY-DATA	77-IR-190-M	3.2HR		I	M->M2
A0650.005	DECAY-DATA	79-AU-196-G	12.3D	6.1669D	S	79-AU-196-G->77-IR-190-G
A0650.005	REACTION					SF4: 77-IR-190-M/G -> 77-IR-190-M2/G
A0655.006	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
A0655.006	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
A0655.007	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
A0655.010	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
A0655.010	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
A0676.002	DECAY-DATA	73-TA-178-M	2.45HR	9.31MIN	L	
A0680.002	DECAY-DATA	65-TB-154-M1	9.HR	22.7HR	L	
A0680.002	DECAY-DATA	65-TB-154-M2	23.HR	9.4HR	L	
A0680.003	DECAY-DATA	65-TB-154-M2	23.HR	9.4HR	L	
A0680.004	DECAY-DATA	65-TB-154-M1	9.HR	22.7HR	L	
A0689.002	DECAY-DATA	52-TE-131-G	30.HR	25.0MIN	I	G->M
A0689.002	DECAY-DATA	52-TE-131-M	55.4MIN	33.25HR	T?	G.K.Gubbi has retired (H.Naik, 2014-10-06).
A0691.019	DECAY-DATA	75-RE-182-G	64.0D	64.0HR	U	D->HR
A0711.001	DECAY-DATA	47-AG-103-M	15.5SEC	5.7SEC	N	as printed in Table 1
A0721.001	DECAY-DATA	72-HF-173	23.6D	23.6HR	U	D->HR
A0721.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
A0721.003	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
A0721.003	Data					ISOMER: 1->0 for 49-IN-110
A0745.023	DECAY-DATA	21-SC-47	3.93HR	3.3492D	T	Use (21-SC-47,3.34D,DG,159.4,0.680). Confirmed by A.Goswami (2014-08-18).
A0745.024	DECAY-DATA	21-SC-44-G	3.34D	3.97HR	T	Use (21-SC-44-G,3.93HR,DG,1157.1,0.999). Confirmed by A.Goswami (2014-08-18).
A0822.002	DECAY-DATA	45-RH-102-M	207.D	3.742YR	I	M->G
A0822.004	DECAY-DATA	45-RH-102-M	207.D	3.742YR	I	M->G
A0901.046	DECAY-DATA	20-CA-47	4.536HR	4.536D	U	HR->D

A0904.128	DECAY-DATA	11-NA-22	2.6019D	2.6027YR	U	D->YR
A0904.142	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
A0904.152	DECAY-DATA	69-TM-167	93.1D	9.25D	S	69-TM-167->69-TM-168
A0904.288	DECAY-DATA	49-IN-109	39.6MIN	4.167HR	S	49-IN-109->49-IN-108-M
A0904.288	REACTION					SF4: 49-IN-109->49-IN-108-M
A0904.315	DECAY-DATA	11-NA-22	2.6019D	2.6027YR	U	D->YR
A0904.331	DECAY-DATA	69-TM-167	93.1D	9.25D	S	69-TM-167->69-TM-168
A0904.356	DECAY-DATA	50-SN-113-M	115.09D	21.4MIN	I	M->G
A0906.009	DECAY-DATA	25-MN-56	2.5789D	2.5789HR	U	D->HR
A0906.018	DECAY-DATA	20-CA-47	4.536HR	4.536D	U	HR->D
A0906.028	DECAY-DATA	11-NA-22	2.6019D	2.6027YR	U	D->YR
A0906.093	DECAY-DATA	30-ZN-62	9.186D	9.186HR	U	D->HR
A0906.121	DECAY-DATA	11-NA-22	2.6019D	2.6027YR	U	D->YR
A0924.007	DECAY-DATA	53-I-120	30.MIN	81.6MIN	N	as printed in text (p759)
A0927.014	DECAY-DATA	83-BI-199	90.MIN	27MIN	S	83-BI-199->82-PB-199
A0927.023	DECAY-DATA	81-TL-199	1.87HR	7.42HR	V	1.87HR->7.42HR
A0927.096	DECAY-DATA	49-IN-114-M	49.51HR	49.51D	U	HR->D
B0014.044	DECAY-DATA	50-SN-129-G	1.0HR	2.23MIN	N	as printed in Table 1
B0020.005	DECAY-DATA	26-FE-53-M	45.9SEC	2.54MIN	A	?
B0020.009	DECAY-DATA	25-MN-52-M	45.9SEC	21.1MIN	A	?
B0021.033	DECAY-DATA	81-TL-197-M	2.84HR	0.54SEC	A	Delete T1/2.
B0021.034	DECAY-DATA	81-TL-197-M	2.84HR	0.54SEC	A	Delete T1/2.
B0021.065	DECAY-DATA	79-AU-196-M1	9.6HR	8.1SEC	I	M1->M2
B0021.066	DECAY-DATA	79-AU-196-M1	9.6HR	8.1SEC	I	M1->M2
B0032.002	DECAY-DATA	73-TA-178-G	9.4MIN	N/A	L	
B0032.002	DECAY-DATA	73-TA-178-M	2.1HR	9.31MIN	L	
B0042.007	DECAY-DATA	79-AU-195-M	3.6SEC	30.5SEC	A	Delete this DECAY-DATA line. Not relevant to the data measured.
B0050.010	DECAY-DATA	30-ZN-62	9.2MIN	9.186HR	A	?
B0069.006	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
B0069.006	REACTION					SF4: 39-Y-84-M -> 39-Y-84-G; delete free text
B0069.006	RAD-DET					39-Y-84-M -> 39-Y-84-G
B0084.007	DECAY-DATA	43-TC-95-M	60.YR	61D	U	YR->D
B0108.002	DECAY-DATA	77-IR-171	1.0SEC	3.2SEC	X	1.0SEC->1.SEC? (Two values are reported: 1.4 and 1.7 sec)
B0108.015	DECAY-DATA	76-OS-166	0.3SEC	199MSEC	N	as printed in Table 2
B0108.025	DECAY-DATA	76-OS-166	0.3SEC	199MSEC	N	as printed in Table 2
B0130.005	DECAY-DATA	39-Y-85-G	4.8HR	2.68HR	I	G->M
B0130.005	REACTION					Use (40-ZR-90(P,X)39-Y-85,,SIG).
B0130.005	RAD-DET					39-Y-85-M -> 38-SR-85-M
B0130.006	DECAY-DATA	39-Y-84-M	37.MIN	4.6SEC	I	M->G
B0130.006	REACTION					SF4: 39-Y-84-M -> 39-Y-84-G; delete free text
B0130.006	RAD-DET					39-Y-84-M -> 39-Y-84-G
B0130.006	COMMENT					Delete.
C0061.002	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D

C0061.003	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0061.005	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0061.008	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0061.015	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0061.021	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0061.029	DECAY-DATA	4-BE-7	53.5HR	53.24D	U	HR->D
C0062.002	DECAY-DATA	4-BE-7	53.5HR	53.24D	T?	HR->D?
C0062.008	DECAY-DATA	23-V-48	16.HR	15.9735D	T?	HR->D?
C0062.009	DECAY-DATA	24-CR-51	28.HR	27.7025D	T?	HR->D?
C0062.010	DECAY-DATA	25-MN-52-G	5.6HR	5.591D	T?	HR->D?
C0226.002	DECAY-DATA	4-BE-10	2.5E+06YR	1.387E+6YR	N	as printed in Table 1
C0226.003	DECAY-DATA	4-BE-10	2.5E+06YR	1.387E+6YR	N	as printed in Table 1
C0226.004	DECAY-DATA	4-BE-10	2.5E+06YR	1.387E+6YR	N	as printed in Table 1
C0226.008	DECAY-DATA	22-TI-44	200.YR	60.0YR	N	as printed in Table 2
C0226.013	DECAY-DATA	14-SI-32	500.YR	153YR	N	as printed in Table 2
C0244.004	DECAY-DATA	26-FE-53-M	8.9MIN	2.54MIN	I	M->G
C0271.005	DECAY-DATA	21-SC-46-M	83.9D	18.75SEC	I	M->G
C0272.006	DECAY-DATA	25-MN-52-M	5.60D	21.1MIN	I	M->G
C0274.019	DECAY-DATA	23-V-48	22.0HR	15.9735D	V+U	22.HR->16.D
C0275.002	DECAY-DATA	11-NA-22	2.6HR	2.6027YR	T?	HR->YR?
C0275.002	DECAY-DATA	23-V-49	600.D	330D	N	as given in Table VII
C0312.002	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0312.003	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0312.004	DECAY-DATA	39-Y-90-M	14.6HR	3.19HR	N	as printed in Table I
C0312.004	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0312.005	DECAY-DATA	39-Y-90-M	14.6HR	3.19HR	N	as printed in Table I
C0312.005	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0312.006	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0312.007	DECAY-DATA	41-NB-92-M	101.4D	10.15D	T?	101.4D->10.14D?
C0322.002	DECAY-DATA	64-GD-149	9.5HR	9.28D	U	HR->D (Tabelle 1 of J,JIN,33,2751,1971)
C0323.002	DECAY-DATA	46-PD-103	17.0HR	16.991D	T?	HR->D? (Add REL-REF to C0326.002 - source of decay data)
C0324.002	DECAY-DATA	64-GD-149	9.5HR	9.28D	U	HR->D
C0325.002	DECAY-DATA	48-CD-119	10.MIN	2.69MIN	N	as printed in Table 2. CRITIQUE explains that the 10 min state is unknown.
C0326.002	DECAY-DATA	46-PD-103	17.0HR	16.991D	T?	HR->D?
C0328.003	DECAY-DATA	63-EU-150-G	12.8HR	36.9YR	I	G->M
C0328.003	Data					ISOMER: Add 1 for 63-EU-150.
C0335.002	DECAY-DATA	41-NB-90-M	14.7HR	18.81SEC	I	M->G
C0335.003	DECAY-DATA	41-NB-89-M	1.79HR	66MIN	N	as printed in Table II
C0335.004	DECAY-DATA	40-ZR-89-M	79.3HR	4.161MIN	I	M->G
C0335.004	REACTION					SF4-SF5: Use 40-ZR-89-G,M+
C0335.006	DECAY-DATA	40-ZR-87-M	1.57HR	14.0SEC	I	M->G
C0335.015	DECAY-DATA	41-NB-90-M	14.7HR	18.81SEC	I	M->G
C0335.016	DECAY-DATA	41-NB-89-M	1.79HR	66MIN	N	as printed in Table II
C0335.017	DECAY-DATA	40-ZR-89-M	79.3HR	4.161MIN	I	M->G

C0335.017	REACTION					SF4-SF5: Use 40-ZR-89-G,M+
C0335.019	DECAY-DATA	40-ZR-87-M	1.57HR	14.0SEC	I	M->G
C0342.008	DECAY-DATA	49-IN-110-M	5.0HR	69.1MIN	I	M->G
C0342.008	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
C0342.009	DECAY-DATA	49-IN-111-M	2.84D	7.7MIN	I	M->G
C0347.012.1	DECAY-DATA	53-I-120-M	1.6HR	53MIN	I	M->G
C0347.012.1	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.012.2	DECAY-DATA	53-I-120-M	1.6HR	53MIN	I	M->G
C0347.012.2	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.012.3	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.013.1	DECAY-DATA	53-I-120-M	1.6HR	53MIN	I	M->G
C0347.013.1	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.013.2	DECAY-DATA	53-I-120-M	1.6HR	53MIN	I	M->G
C0347.013.2	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.013.3	REACTION					SF4: 53-I-120-M -> 53-I-120-G
C0347.014	DECAY-DATA	52-TE-117	2.5HR	62MIN	N	as printed in Table I. 116Te (2.5 hr) observed?
C0353.002	DECAY-DATA	49-IN-110-M	5.0HR	69.1MIN	I	M->G
C0353.002	DECAY-DATA	72-HF-173	44.HR	23.6HR	N	as printed in text (p1105 left, detailed discussion)
C0353.002	DECAY-DATA	73-TA-178-M	100.MIN	9.31MIN	N	as printed in p1105 (left)
C0353.002	Data					ISOMER: 1->0 for 49-IN-110
C0362.002	DECAY-DATA	46-PD-109-M	13.5HR	4.696MIN	I	M->G
C0362.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
C0362.002	Data					ISOMER: 1->0 for 49-IN-110
C0362.003	DECAY-DATA	46-PD-109-M	13.5HR	4.696MIN	I	M->G
C0362.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
C0362.003	Data					ISOMER: 1->0 for 49-IN-110
C0362.006	DECAY-DATA	46-PD-109-M	13.5HR	4.696MIN	I	M->G
C0362.006	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
C0362.006	Data					ISOMER: 1->0 for 49-IN-110
C0362.007	DECAY-DATA	46-PD-109-M	13.5HR	4.696MIN	I	M->G
C0362.007	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
C0362.007	Data					ISOMER: 1->0 for 49-IN-110
C0364.002	DECAY-DATA	82-PB-201-G	60.SEC	9.33HR	V+U	60.SEC->9.4HR
C0364.002	DECAY-DATA	83-BI-207	8.YR	31.55YR	N	as printed in Table 1
C0364.002	DECAY-DATA	84-PO-203-M	47.MIN	45SEC	I	M->G
C0364.003	DECAY-DATA	80-HG-189	25.MIN	7.6MIN	N	as printed in Table I
C0364.005	DECAY-DATA	80-HG-194	130.D	444YR	N	as printed in Table I
C0365.002	DECAY-DATA	83-BI-202	12.HR	1.71HR	N	as printed in Tableau 1
C0365.002	DECAY-DATA	84-PO-203-G	52.HR	36.7MIN	N	as printed in Tableau 1
C0374.003	DECAY-DATA	47-AG-111-M	7.5D	64.8SEC	I	M->G
C0377.002	DECAY-DATA	65-TB-149-M	4.1HR	4.16MIN	I	M->G
C0377.002	Data					ISOMER: 1->0 for 65-TB-149
C0377.003	DECAY-DATA	63-EU-150-G	12.6HR	36.9YR	I	G->M

C0377.003	DECAY-DATA	63-EU-150-M	5.YR	12.8HR	N	as printed in Table I. The ground state production cross section is given separately.
C0377.003	DECAY-DATA	71-LU-172-G	6.7HR	6.70D	U	HR->D
C0377.003	Data					ISOMER: 0<->1 for 63-EU-150
C0383.007	DECAY-DATA	27-CO-58-M	71.D	9.10HR	I	M->G
C0384.003.2	DECAY-DATA	27-CO-58-M	71.D	9.10HR	I	M->G
C0386.002	DECAY-DATA	47-AG-111-G	7.5HR	7.45D	U	HR->D
C0386.002	DECAY-DATA	50-SN-108	4.5HR	10.30MIN	N	as printed in Table I
C0386.002	DECAY-DATA	51-SB-119	5.7D	38.19HR	N	as printed in Table I. The 5.8 d state of 120Sb?
C0386.003	DECAY-DATA	47-AG-111-G	7.5HR	7.45D	U	HR->D
C0386.003	DECAY-DATA	50-SN-108	4.5HR	10.30MIN	N	as printed in Table I
C0386.003	DECAY-DATA	51-SB-119	5.7D	38.19HR	N	as printed in Table I. The 5.8 d state of 120Sb?
C0402.002	DECAY-DATA	72-HF-172	5.YR	1.87YR	N	as prited in text (p2520)
C0402.003	DECAY-DATA	73-TA-178-M	2.2HR	9.31MIN	L	
C0454.003	DECAY-DATA	11-NA-24	15.02D	14.997HR	U	D->HR
C0454.003	DECAY-DATA	19-K-38-M	7.61MIN	924.3MSEC	I	M->G
C0492.002	DECAY-DATA	55-CS-132	6.47HR	6.480D	T?	HR->D?
C0492.003	DECAY-DATA	55-CS-132	6.47HR	6.480D	T?	HR->D?
C0556.004	DECAY-DATA	51-SB-120-M	15.9MIN	5.76D	L	
C0556.004	REACTION					SF4: Add -M
C0698.003	DECAY-DATA	25-MN-52-M	5.8D	21.1MIN	I	M->G
C0713.001	DECAY-DATA	49-IN-110-G	70.2MIN	4.9HR	I	G->M
C0713.001	DECAY-DATA	49-IN-110-M	5.2HR	69.1MIN	I	M->G
C0713.002	REACTION					SF4: 49-IN-110-M/T -> 49-IN-110-G/T
C0713.003	REACTION					SF4: 49-IN-110-M/T -> 49-IN-110-G/T
C0721.010	DECAY-DATA	40-ZR-88	17.HR	83.4D	V+U	17.HR->85.D
C0879.006	DECAY-DATA	28-NI-56	77.27D	6.075D	X	T1/2 adopted in the data reduction is unknown (J.M.Sisterson, 2014-08-20).
C1159.008	DECAY-DATA	40-ZR-89-G	1.676HR	78.41HR	V+U	Use (40-ZR-89-G,3.268D,DG,909.,0.9901).
C1159.008	REACTION					SF4-SF5: Use 40-ZR-89-G,M+
C1773.005	DECAY-DATA	85-AT-211	25.97SEC	7.214HR	V	25.97SEC->25970.SEC
C1944.002	DECAY-DATA	41-NB-88-M	14.3MIN	7.78MIN	L	
C1944.002	DECAY-DATA	41-NB-89-M	2.0HR	66MIN	I	M->G
C1944.003	DECAY-DATA	49-IN-110-G	69.0MIN	4.9HR	I	G->M
C1944.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
C1944.003	DECAY-DATA	50-SN-123	40.0MIN	129.2D	I	Add -M
C1944.003	Data					ISOMER: 0<->1 for 49-IN-110
C1944.003	Data					ISOMER: Add 1 for 50-SN-123
C2000.015	DECAY-DATA	53-I-130	12.6D	12.36HR	T?	D->HR?
C2000.016	DECAY-DATA	52-TE-117	2.5HR	62MIN	N	as printed in Table I. 116Te (2.5 hr) observed?
C2001.007	DECAY-DATA	51-SB-120	6.0D	15.89MIN	I+L	Add -M if -M is added in REACTION SF4
C2001.007	REACTION					SF4: Add -M or -G
C2001.010	DECAY-DATA	50-SN-108	2.0HR	10.30MIN	V	2.0HR->4.5HR
C2013.005	DECAY-DATA	40-ZR-98	1.0MIN	30.7SEC	N	as printed in p155

D0148.005	DECAY-DATA	81-TL-201	12.D	3.0421D	S	81-TL-201->81-TL-202
D0148.009	DECAY-DATA	81-TL-201	12.D	3.0421D	S	81-TL-201->81-TL-202
D0148.015	DECAY-DATA	81-TL-201	12.D	3.0421D	S	81-TL-201->81-TL-202
D0282.001	DECAY-MON	30-ZN-62	3.186HR	9.186HR	V	3.186HR->9.186HR
D0282.006	DECAY-DATA	75-RE-184-G	538.0D	35.4D	V	538.D->38.0D
D0303.010	DECAY-DATA	27-CO-55	6.1D	17.53HR	S	27-CO-55->28-NI-56
D0303.011	DECAY-DATA	27-CO-55	6.1D	17.53HR	S	27-CO-55->28-NI-56
D0303.012	DECAY-DATA	27-CO-55	36.HR	17.53HR	S	27-CO-55->28-NI-57
D0303.013	DECAY-DATA	27-CO-55	36.HR	17.53HR	S	27-CO-55->28-NI-57
D0303.014	DECAY-DATA	48-CD-107	16.5HR	6.50HR	V	16.5HR->6.5HR
D0305.031	DECAY-DATA	40-ZR-86	16.5D	16.5HR	U	D->HR
D0305.064	DECAY-DATA	40-ZR-86	16.5D	16.5HR	U	D->HR
D0336.001	DECAY-MON	11-NA-22	2.6HR	2.6027YR	T?	HR->YR?
D0446.001	DECAY-MON	30-ZN-62	3.186HR	9.186HR	V	3.186HR->9.186HR
D0446.006	DECAY-DATA	43-TC-96-G	54.28D	4.28D	V	54.28D->4.28D
D0446.015	DECAY-DATA	40-ZR-89-M	3.268D	4.161MIN	I	M->G
D0446.015	REACTION					SF4-SF5: Use 40-ZR-89-G,M+
D0446.016	DECAY-DATA	30-ZN-62	3.186HR	9.186HR	V	3.186HR->9.186HR
D0495.080	DECAY-DATA	45-RH-102-M	206.D	3.742YR	I	M->G
D0495.083	DECAY-DATA	49-IN-110	69.MIN	4.9HR	I	Add -M
D0495.083	REACTION					SF4: 49-IN-110->49-IN-110-M
D0495.095	DECAY-DATA	51-SB-120	6.D	15.89MIN	I+L	Add -M if -M is added in REACTION SF4
D0495.095	REACTION					SF4: Add -M or -G
D0505.021	DECAY-DATA	25-MN-52	5.591HR	5.591D	T?	HR->D?
D0529.041	DECAY-DATA	39-Y-88	78.4HR	106.626D	X	Decay data of 89gZr are coded. No 88Y decay data in the article.
D0610.002	DECAY-DATA	103-LR-253	1.2SEC	0.57SEC	V	1.2SEC->1.32SEC
D0615.016	DECAY-DATA	41-NB-96	34.97D	23.35HR	V+U	34.79D->23.35 HR
D4027.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4027.003	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
D4027.004	DECAY-DATA	49-IN-110-G	1.152HR	4.9HR	I	G->M
D4027.004	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
D4027.005	DECAY-DATA	49-IN-110-G	1.152HR	4.9HR	I	G->M
D4027.005	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4027.005	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4027.008	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4027.008	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
D4027.009	DECAY-DATA	49-IN-110-G	1.152HR	4.9HR	I	G->M
D4027.009	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
D4027.010	DECAY-DATA	49-IN-110-G	1.152HR	4.9HR	I	G->M
D4027.010	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4027.010	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4054.007	DECAY-DATA	31-GA-65	18.2HR	15.2MIN	V+U	18.2 HR->15.2MIN
D4064.002	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
D4064.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G

D4064.002.1	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
D4064.002.2	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
D4064.002.3	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4064.003	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
D4064.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4064.003.1	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
D4064.003.2	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
D4064.003.3	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4069.003	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
D4069.003	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4069.003	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4069.004	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
D4069.004	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
D4069.004	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
D4082.002.4	DECAY-DATA	21-SC-48	15.976D	43.67HR	T	15.976 D -> 43.67 HR. Confirmed by S.Takacs (2014-08-18).
D4083.003.3	DECAY-DATA	30-ZN-65	244.1YR	243.93D	V+U	244.1YR->244.3D
D4102.002	DECAY-DATA	23-V-48	5.6D	15.9735D	V	5.6 D->16.25D
D4102.004	DECAY-DATA	25-MN-52	16.25D	5.591D	V	16.25 D -> 5.6D
D4114.006	DECAY-DATA	37-RB-86-G	32.87D	18.642D	V	Use (37-RB-86-G,18.66D,DG,1076.7,0.088).
D4120.003	DECAY-DATA	27-CO-58-G	2.667D	70.86D	T	2.667D->70.86D. Confirmed by F.Tarkanyi (2014-11-07).
D4120.004	DECAY-DATA	27-CO-61	2.3785D	1.650HR	T	2.3785D->1.65HR. Confirmed by F.Tarkanyi (2014-11-07).
D4140.006	DECAY-DATA	27-CO-58-G	2.667D	70.86D	T	2.667D->70.86D. Confirmed by F.Tarkanyi (2014-11-07).
D4158.005	DECAY-DATA	27-CO-61	3.333HR	1.650HR	S	27-CO-61->29-CU-61
D4178.003	DECAY-DATA	29-CU-64	1.7HR	12.701HR	V	1.7HR->12.7HR
D4178.004	DECAY-DATA	28-NI-56	6.077HR	6.075D	T	HR->D. Confirmed by S.Takacs (2014-08-18).
D4189.002	DECAY-DATA	52-TE-116	10.2D	2.49HR	V+U	10.2D->2.49HR
D4189.003.1	DECAY-DATA	51-SB-118-G	6.D	3.6MIN	V	6.D->3.6MIN and add (52-TE-118,6.D).
D4189.003.1	RAD-DET					Add (51-SB-118-G,DG)
D4227.005	DECAY-DATA	73-TA-178-G	2.25HR	N/A	L	
D4232.002	DECAY-DATA	27-CO-56	13.76D	77.236D	V	13.76D->77.27D
D4233.004	DECAY-DATA	72-HF-173	2.36HR	23.6HR	V	2.36HR->23.6HR
D4233.013	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
D4241.004	DECAY-DATA	65-TB-154-M1	9.994HR	22.7HR	L	
D4241.005	DECAY-DATA	65-TB-154-M2	22.7HR	9.4HR	L	
D4246.004	DECAY-DATA	21-SC-48	43.67D	43.67HR	T	D->HR. Confirmed by F.Tarkanyi (2014-08-18).
D4254.003	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
D4254.009	DECAY-DATA	72-HF-173	2.36HR	23.6HR	V	2.36HR->23.6HR
D4257.002	DECAY-DATA	21-SC-44-G	9.92HR	3.97HR	T	9.92HR -> 3.97HR. Confirmed by S.Takacs (2014-08-18).
D4257.002	DECAY-DATA					Add (22-TI-44,60.YR).
D4257.002	RAD-DET					Add (21-SC-44-G,DG).
D4257.006	DECAY-DATA	21-SC-44-G	9.92HR	3.97HR	T	9.92HR -> 3.97HR. Confirmed by S.Takacs (2014-08-18) and A.Hermanne (2014-08-

						19).
D4270.007	DECAY-DATA	82-PB-200	12.31D	21.5HR	S	81-TL-202->83-BI-202
D5090.007	DECAY-DATA	51-SB-120-G	2.75D	15.89MIN	S	51-SB-120-G -> 51-SB-122-G
D5090.007	DECAY-DATA	51-SB-120-M	4.15MIN	5.76D	S	51-SB-120-M->51-SB-122-M
D5090.009	DECAY-DATA	51-SB-120-G	2.75D	15.89MIN	V+U	2.75D->16.MIN
D5090.009	DECAY-DATA	51-SB-120-M	4.15MIN	5.76D	V+U	4.15MIN->5.55D
D5092.003	DECAY-DATA	43-TC-93-G	293.MIN	2.75HR	A	43-TC-93-G->43-TC-94-G?
D5092.004	DECAY-DATA	43-TC-93-G	293.MIN	2.75HR	A	43-TC-93-G->43-TC-94-G?
D6003.003	DECAY-DATA	25-MN-54	312.2HR	312.12D	U	HR->D
D6004.002	DECAY-DATA	41-NB-98	51.3MIN	2.86SEC	I	Add -M
D6006.024	DECAY-DATA	48-CD-115-M	53.46HR	44.56D	A	M->G (compiled by the first author)
D6016.009	DECAY-DATA	72-HF-177-M1	51.4MIN	1.09SEC	I?	M1->M2? Strange combination of the T1/2 and gamma line. Email sent to Pushpendra P.Singh(2014-10-18).
D6041.007	DECAY-DATA	39-Y-83	3.19HR	7.08MIN	N	as printed in Table3. Email sent to B.P.Singh (2014-08-27).
D6041.008	DECAY-DATA	39-Y-85	49.7MIN	2.68HR	N	as printed in Table 3. Email sent to B.P.Singh (2014-08-27).
D6041.009	DECAY-DATA	39-Y-87-M	10.3MIN	13.37HR	N	as printed in Table 3. Email sent to B.P.Singh (2014-08-27).
D6041.011	DECAY-DATA	38-SR-80	2.79HR	106.3MIN	X	Use (38-SR-83,2.71HR,DG,430.6,3.33), however this T1/2 (in Table 3) is strange. Email sent to B.P.Singh (2014-08-27).
D6041.012	DECAY-DATA	38-SR-83	2.71HR	32.41HR	V+U	Use (38-SR-85-M,67.6MIN,DG,151.1,0.124)
D6041.025	DECAY-DATA	32-GE-68	2.26HR	270.95D	S	32-GE-68->32-GE-66
D6041.029	DECAY-DATA	43-TC-99-M	7.2MIN	6.0067HR	N	as printed in Table 4. Email sent to B.P.Singh (2014-08-27).
D6046.017	DECAY-DATA	41-NB-98	51.3MIN	2.86SEC	I	Add -M
D6046.017	REACTION					SF4: 41-NB-98 -> 41-NB-98-M
D6052.002	DECAY-DATA	17-CL-34	32.2MIN	1.5264SEC	I	Add -M
D6060.024	DECAY-DATA	48-CD-115-M	53.46HR	44.56D	A	M->G (compiled by the first author)
D6065.001	DECAY-DATA	47-AG-113	5.37MIN	5.37HR	T?	MIN->HR?
D6067.006	DECAY-DATA	30-ZN-62	9.186MIN	9.186HR	U	MIN->HR
D6067.007	DECAY-DATA	30-ZN-62	9.186MIN	9.186HR	U	MIN->HR
D6077.017	DECAY-DATA	48-CD-115-M	53.46HR	44.56D	I	M->G (I(336.241 keV)=45.9% is as repored in Table 1)
D6077.017	REACTION					SF4: 48-CD-115-M -> 48-CD-115-G
D6087.004	DECAY-DATA	57-LA-137	19.8HR	6E+4YR	T	57-LA-137->57-LA-135
D6118.006	DECAY-DATA	39-Y-90	3.19HR	64.053HR	I	Add -M
D6118.006	REACTION					SF4: 39-Y-90 -> 39-Y-90-M
D6118.007	DECAY-DATA	45-RH-99-G	4.7HR	16.1D	I	G->M
D6118.007	DECAY-DATA	45-RH-99-M	16.1D	4.7HR	I	M->G
D6143.003	DECAY-DATA	11-NA-22	2.602D	2.6027YR	T?	D->YR?
D6171.007	DECAY-DATA	41-NB-95-G	34.9HR	34.991D	T	HR->D?
D6180.003	DECAY-DATA	65-TB-154-M1	9.4HR	22.7HR	L	
D6180.004	DECAY-DATA	65-TB-154-M2	22.7HR	9.4HR	L	
D6181.012	DECAY-DATA	73-TA-178-M	2.50HR	9.31MIN	L	
E1522.007	DECAY-DATA	89-AC-217	111.NSEC	69NSEC	I	Add -G

E1522.007	REACTION					SF4: 89-AC-217 -> 89-AC-217-G
E1701.003	DECAY-DATA	34-SE-83-G	70.1SEC	22.3MIN	T	70.1SEC->22.3MIN. Confirmed by H.Kudo (2014-09-10)
E1701.003	DECAY-DATA	34-SE-83-M	22.3MIN	70.1SEC	T	22.3MIN->70.1SEC. Confirmed by H.Kudo (2014-09-10)
E1701.003	DECAY-DATA	45-RH-108-G	6.MIN	16.8SEC	L	
E1701.003	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
E1701.003	DECAY-DATA	48-CD-119-G	2.1SEC	2.69MIN	V+U	2.1SEC->2.69MIN
E1701.003	DECAY-DATA	58-CE-147	56.4MIN	56.4SEC	U	MIN->SEC
E1852.037	DECAY-DATA	39-Y-93	10.1MIN	10.18HR	U	MIN->HR
E1855.010	DECAY-DATA	47-AG-116-G	12.72SEC	237SEC	T	Use (47-AG-116-G,2.68MIN,DG,1304.1,0.055). Confirmed by H.Kudo (2014-09-10).
E1855.013	DECAY-DATA	49-IN-116-M1	2.68MIN	54.29MIN	T	Use (49-IN-116-M1,54.15MIN,DG,1097.3,0.562). Confirmed by H.Kudo (2014-09-10).
E1855.015	DECAY-DATA	49-IN-122-G	10.3SEC	1.5SEC	I	G->M1, M->M2
E1855.015	REACTION					SF4: 49-IN-122-M/G -> 49-IN-122-M2/M1
E1855.022	DECAY-DATA	51-SB-130-G	6.3MIN	39.5MIN	I	G->M
E1855.022	DECAY-DATA	51-SB-130-M	40.0MIN	6.3MIN	I	M->G
E1855.022	REACTION					SF4: 51-SB-130-M/G -> 51-SB-130-G/M
E1877.003	DECAY-DATA	59-PR-139	140.D	4.41HR	S	59-PR-139->58-CE-139
E1877.003	RAD-DET					Add (58-CE-139,DG)
E1888.004	DECAY-DATA	95-AM-234	3.5MIN	2.32MIN	N	as printed in Table 1
E1910.002	DECAY-DATA	58-CE-133-M	1.62HR	5.1HR	I	M->G
E1910.002	Data					ISOMER: 1->0 for 58-CE-133
E1910.003	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
E1910.003	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E1910.003	Data					ISOMER=1 -> 0 for 39-Y-84
E1910.003	Data					ISOMER: 0->1 for 58-CE-133
E1910.005	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
E1910.005	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E1910.005	Data					ISOMER=1 -> 0 for 39-Y-84
E1910.005	Data					ISOMER: 0->1 for 58-CE-133
E1910.007	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
E1910.007	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
E1910.007	DECAY-DATA	45-RH-102-M	207.0D	3.742YR	I	M->G
E1910.007	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E1910.007	Data					ISOMER=1 -> 0 for 39-Y-84
E1910.007	Data					ISOMER: 0->1 for 58-CE-133
E1910.009	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
E1910.009	DECAY-DATA	45-RH-102-G	2.9YR	207.3D	I	G->M
E1910.009	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E1910.009	Data					ISOMER=1 -> 0 for 39-Y-84
E1910.009	Data					ISOMER: 0->1 for 58-CE-133
E1919.001	DECAY-DATA	107-BH-264	0.9SEC	0.44SEC	N	as printed in Table II
E1930.003	DECAY-DATA	25-MN-54	29.1D	312.12D	N	as printed in Table 1
E1994.003	DECAY-DATA	105-DB-262	3.9SEC	35SEC	S	105-DB-262->103-LR-258

E2036.002	DECAY-DATA	41-NB-99-M	26.0MIN	2.5MIN	N	as printed in Table 1
E2036.002	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
E2036.002	DECAY-DATA	45-RH-110-G	3.3SEC	N/A	L	
E2036.002	DECAY-DATA	46-PD-115	47.2SEC	25SEC	I?	Add -M?
E2036.003	DECAY-DATA	41-NB-99-M	26.0MIN	2.5MIN	N	as printed in Table 1
E2036.003	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
E2036.003	DECAY-DATA	46-PD-115	47.2SEC	25SEC	I?	Add -M?
E2036.005	DECAY-DATA	41-NB-102-M	4.3SEC	1.3SEC	L	
E2036.005	DECAY-DATA	45-RH-108-G	5.9MIN	16.8SEC	L	
E2036.005	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
E2036.006	DECAY-DATA	37-RB-94	2.78HR	2.702SEC	T?	HR->SEC?
E2036.006	DECAY-DATA	45-RH-108-M	16.8SEC	6.0MIN	L	
E2036.006	DECAY-DATA	46-PD-115	47.2SEC	25SEC	I?	Add -M?
E2074.002	DECAY-DATA	30-ZN-69-M	56.4MIN	13.76HR	T?	?
E2074.006	DECAY-DATA	65-TB-154-M1	9.HR	22.7HR	L	
E2074.006	DECAY-DATA	65-TB-154-M2	22.6HR	9.4HR	L	
E2074.006	DECAY-DATA	73-TA-178-M	2.45HR	9.31MIN	L	
E2074.007	DECAY-DATA	53-I-120-M	1.35HR	53MIN	I	M->G . Confirmed by A.Yokomaya (2014-10-23). He points out (1) 120Xe decays to this state, (2) Distinction of two 120I states is difficult.
E2074.007	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E2074.007	DECAY-DATA	58-CE-133-M	1.62HR	5.1HR	I	M->G
E2074.007	Data					ISOMER: 0<->1 for 58-CE-133
E2074.008	DECAY-DATA	53-I-120-M	1.35HR	53MIN	I	M->G . Confirmed by A.Yokomaya (2014-10-23). He points out (1) 120Xe decays to this state, (2) Distinction of two 120I states is difficult.
E2074.008	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E2074.008	DECAY-DATA	58-CE-133-M	1.62HR	5.1HR	I	M->G
E2074.008	Data					ISOMER: 0<->1 for 58-CE-133
E2074.009	DECAY-DATA	53-I-120-M	1.35HR	53MIN	I	M->G . Confirmed by A.Yokomaya (2014-10-23). He points out (1) 120Xe decays to this state, (2) Distinction of two 120I states is difficult.
E2074.009	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E2074.009	Data					ISOMER: 0->1 for 58-CE-133
E2074.010	DECAY-DATA	53-I-120-M	1.35HR	53MIN	I	M->G . Confirmed by A.Yokomaya (2014-10-23). He points out (1) 120Xe decays to this state, (2) Distinction of two 120I states is difficult.
E2074.010	DECAY-DATA	58-CE-133-G	4.93HR	97MIN	I	G->M
E2074.010	DECAY-DATA	58-CE-133-M	1.62HR	5.1HR	I	M->G
E2074.010	Data					ISOMER: 0<->1 for 58-CE-133
E2137.001	DECAY-DATA	102-NO-251	350.MSEC	0.80SEC	N	as printed in Table II
E2137.001	DECAY-DATA	104-RF-255	840.MSEC	2.3SEC	N	as printed in Table II
E2137.001	DECAY-DATA	106-SG-259	520.MSEC	0.32SEC	N	as printed in Table II
E2172.001	DECAY-DATA	62-SM-146	4.59D	10.3E+7YR	S	62-SM-146->63-EU-146
E2172.001	DECAY-DATA	62-SM-147	1.06E+6YR	1.060E11YR	N	as printed in p329 (right)
E2172.001	DECAY-DATA	62-SM-147	24.1D	1.060E11YR	S	62-SM-147->63-EU-147

E2324.001	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2324.001	DECAY-DATA	104-RF-261-M2	1.9SEC	78SEC	L	
E2371.002	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2371.002	DECAY-DATA	104-RF-261-M2	2.6SEC	78SEC	L	
E2371.003	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2371.003	DECAY-DATA	104-RF-261-M2	2.6SEC	78SEC	L	
E2371.003	DECAY-DATA	106-SG-265-M2	14.4SEC	8.9SEC	L	
E2371.004	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2371.004	DECAY-DATA	104-RF-261-M2	2.6SEC	78SEC	L	
E2371.004	DECAY-DATA	106-SG-265-M2	14.4SEC	8.9SEC	L	
E2406.001	DECAY-DATA	108-HS-269	12.MSEC	3.6SEC	U	MSEC->SEC
E2438.002	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2438.003	DECAY-DATA	104-RF-261-M2	1.9SEC	78SEC	L	
E2438.006	DECAY-DATA	104-RF-261-M1	68.SEC	1.9SEC	L	
E2438.006	DECAY-DATA	104-RF-261-M2	1.9SEC	78SEC	L	
F0068.006	DECAY-DATA	33-AS-74	17.78HR	17.77D	U	HR->D
F0068.011	DECAY-DATA	53-I-121	13.02HR	2.12HR	V	Use (53-I-121,2.12HR,DG,212.2,0.84).
F0620.002	DECAY-DATA	13-AL-26	6.37SEC	7.17E+5YR	I	Add -M
F0834.002	DECAY-DATA	29-CU-62	3.41HR	9.673MIN	S	29-CU-62->29-CU-61
F0938.004	DECAY-DATA	49-IN-116	54.MIN	14.10SEC	I	G->M1
F0938.004	RAD-DET					Delete, or add -M1
F0938.004	REACTION					SF4: 49-IN-116 -> 49-IN-116-M1+M2
G0500.001	DECAY-DATA	41-NB-99-G	2.43MIN	15.0SEC	I	G->M
G0500.001	DECAY-DATA	51-SB-132-G	4.2MIN	2.79MIN	L	
G0500.001	DECAY-DATA	52-TE-133-G	55.44MIN	12.5MIN	I	G->M
G3104.002	DECAY-DATA	36-KR-85-M	24.48HR	4.480HR	T	24.48HR->4.48HR. Confirmed by H.Naik (2014-08-21).
G3104.002	DECAY-DATA	52-TE-121	116.78D	19.17D	T	116.78D->16.78D. Confirmed by H.Naik (2014-10-04).
G4020.009	DECAY-DATA	80-HG-199-M	43.20SEC	42.67MIN	T?	SEC->MIN?
G4021.004	DECAY-DATA	49-IN-113-M	4.5HR	99.476MIN	T?	Typo in Table 1? Use (49-IN-113-M,1.7HR,DG,392.)? C.f. p531 and also G4021.006-007.
G4021.005	DECAY-DATA	49-IN-113-M	4.5HR	99.476MIN	T?	Typo in Table 1? Use (49-IN-113-M,1.7HR,DG,392.)? C.f. p531 and also G4021.006-007.
G4021.006	DECAY-DATA	49-IN-115-M	1.7HR	4.486HR	T?	Typo in Table 1? Use (49-IN-115-M,4.5HR,DG,335.)? C.f. p531 and also G4021.004-005.
G4021.007	DECAY-DATA	49-IN-115-M	1.7HR	4.486HR	T?	Typo in Table 1? Use (49-IN-115-M,4.5HR,DG,335.)? C.f. p531 and also G4021.004-005.
G4032.010	DECAY-DATA	52-TE-131-G	2.79MIN	25.0MIN	A	2.79MIN->25.MIN. Confirmed by V.A.Zheltonozhskii (2014-10-07).
G4032.010	DECAY-DATA	52-TE-131-M	4.10MIN	33.25HR	V+U	4.10MIN->30.HR. Confirmed by V.A.Zheltonozhskii (2014-10-07).
G4035.002	DECAY-DATA	39-Y-87-G	13.37HR	79.8HR	X	T1/2 is from one state and radiation data from the other state.
G4035.002	DECAY-DATA	39-Y-87-M	79.8HR	13.37HR	X	T1/2 is from one state and radiation data from the other state.

G4035.003	DECAY-DATA	39-Y-87-G	13.37HR	79.8HR	X	T1/2 is from one state and radiation data from the other state.
G4035.003	DECAY-DATA	39-Y-87-M	79.8HR	13.37HR	X	T1/2 is from one state and radiation data from the other state.
G4038.002	DECAY-DATA	37-RB-90-G	258.SEC	158SEC	V	258.SEC->158.SEC, and v.v. for 37-RB-90-M. Confirmed by V.Zheltonozhskii (2014-09-11).
G4038.007	DECAY-DATA	37-RB-90-G	258.SEC	158SEC	V	258.SEC->158.SEC, and v.v. for 37-RB-90-M. Confirmed by V.Zheltonozhskii (2014-09-11).
K2027.058	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
K2027.058	REACTION					SF4: 39-Y-84 -> 39-Y-84-G
K2027.097	DECAY-DATA	51-SB-117	2.80D	2.80HR	U	D->HR
K2027.176	DECAY-DATA	53-I-126	13.02HR	12.93D	U	HR->D. The gamma line in the article (388.6 keV, 32.2%) is not in the current ENSDF.
K2027.208	DECAY-DATA	79-AU-194-G	39.5D	38.02HR	T?	D->HR?
K2027.244	DECAY-DATA	74-W-176	8.08HR	2.5HR	S	74-W-176->73-TA-176
K2027.244	RAD-DET					Add (73-TA-176,DG).
K2027.245	DECAY-DATA	74-W-175	10.5HR	35.2MIN	S	74-W-175->73-TA-175
K2027.245	RAD-DET					Add (73-TA-175,DG).
L0145.004	DECAY-DATA	63-EU-152-G	35.8YR	13.528YR	S	63-EU-152-G -> 63-EU-150-G
L0145.004	DECAY-DATA	63-EU-152-M	12.8HR			63-EU-152-M -> 63-EU-150-M
M0314.004	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.005	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.006	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.007	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.008	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.009	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0314.022	DECAY-DATA	45-RH-104-M	44.SEC	4.34MIN	I	M->G
M0429.001	DECAY-DATA	90-TH-231	22.12MIN	25.52HR	V	22.12MIN->25.52HR
M0733.002	DECAY-DATA	34-SE-77-M	38.9MIN	17.4SEC	V	Use (34-SE-77-M,17.5SEC,DG,162.,0.515).
M0733.005	DECAY-DATA	34-SE-77-G	7.1HR	Stable	S	34-SE-77-G->34-SE-73-G
M0763.003	DECAY-DATA	63-EU-152-G	93.HR	13.528YR	I+V	G->M1, 93.HR->9.3HR
M0763.003	DECAY-DATA	63-EU-152-M	96.MIN			M->M2
M0763.003	REACTION					SF4: 63-EU-152-M/G -> 63-EU-152-M2/M1
M0763.006	DECAY-DATA	48-CD-115-G	53.38MIN	53.46HR	T?	MIN->HR?
M0763.008	DECAY-DATA	48-CD-115-M	33.5MIN	44.56D	S	48-CD-115-M->47-AG-104-M
M0763.009	DECAY-DATA	48-CD-115-M	4.9HR	44.56D	T	Use (49-IN-110-G,4.9HR,DG,658.,0.985,DG,885.,0.948) and (49-IN-110-M,69.MIN,DG,658.,0.979). Confirmed by Tran Duc Thiep through Nguyen Van Do (2014-09-08).
M0763.009	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
M0763.009	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
M0794.002	DECAY-DATA	49-IN-110-G	69.1MIN	4.9HR	I	G->M
M0794.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
M0794.002	REACTION					SF4: 49-IN-110-M/G -> 49-IN-110-G/M
M0795.004	DECAY-DATA	81-TL-202	1.71HR	12.31D	S	81-TL-202->83-BI-202

M0847.005	DECAY-DATA	52-TE-127-M	190.D	106.1D	V	190.D->109.D. T1/2 of g.s. (9.35 hr) must be also added.
M0857.002	DECAY-DATA	49-IN-115-M	13.6D	4.486HR	A	?
O0003.002	DECAY-DATA	85-AT-214	1.05MIN	558NSEC	I+V+U	1.05MIN->2MICROSEC
O0003.002	DECAY-DATA	87-FR-218	5.MSEC	1.0MSEC	N	as printed in text (p2597)
O0006.006	DECAY-DATA	21-SC-47	3.42HR	3.3492D	U	HR->D
O0006.012	DECAY-DATA	58-CE-139-G	5.5HR	137.641D	S	Use (60-ND-139-M,5.5HR) and (58-CE-139-G,,DG,166.,0.80).
O0006.025	DECAY-DATA	61-PM-148	42.D	5.368D	I	G->M
O0006.040	DECAY-DATA	63-EU-156	15.4HR	15.19D	U	HR->D
O0020.013	DECAY-DATA	51-SB-127	3.91HR	3.85D	U	HR->D
O0072.007	DECAY-DATA	58-CE-141	32.5HR	32.508D	U	HR->D
O0088.003	DECAY-DATA	11-NA-22	2.62D	2.6027YR	U	D->YR
O0159.002	DECAY-DATA	12-MG-28	20.90MIN	20.915HR	T?	MIN->HR?
O0159.002	DECAY-DATA	27-CO-55	17.5D	17.53HR	T?	D->HR?
O0276.168	DECAY-DATA	37-RB-84-G	20.5MIN	32.82D	I	G->M
O0276.325	DECAY-DATA	41-NB-95-G	0.24360E+03 HR	34.991D	A	Use (41-NB-95-G,34.97D,DG,765.80,0.999). Confirmed by R.Michel (2014-09-06).
O0276.331	DECAY-DATA	45-RH-102-G	0.25404E+05 HR	207.3D	I	G->M (25404 h=2.9 y)
O0276.434	DECAY-DATA	73-TA-178-M1	9.25MIN	N/A	L	
O0314.002	DECAY-DATA	15-P-32	14.5HR	14.262D	U	HR->D
O0314.003	DECAY-DATA	15-P-32	14.5HR	14.262D	U	HR->D
O0314.004	DECAY-DATA	15-P-32	14.5HR	14.262D	U	HR->D
O0314.005	DECAY-DATA	15-P-32	14.5HR	14.262D	U	HR->D
O0318.015	DECAY-DATA	63-EU-146	36.HR	4.61D	N	as printed in Table I
O0319.009	DECAY-DATA	68-ER-163	65.HR	75.0MIN	N	as printed in table
O0337.009	DECAY-DATA	50-SN-129	1.0HR	2.23MIN	N	as printed in Table 1
O0338.007	DECAY-DATA	55-CS-130-M	6.3MIN	3.46MIN	A	Delete this DECAY-DATA line. Not relevant to the data measured.
O0338.007	REACTION					SF4-SF5: 55-CS-130-G,M- -> 55-CS-130,, (IT~100%)
O0345.003	DECAY-DATA	79-AU-196-G	5.6HR	6.1669D	U	HR->D
O0348.047	DECAY-DATA	56-BA-142	10.7SEC	10.6MIN	U	SEC->MIN
O0348.096	DECAY-DATA	51-SB-130-M	40.0MIN	6.3MIN	I	M->G
O0348.096	REACTION					SF4: 51-SB-130-M -> 51-SB-130-G
O0407.071	DECAY-DATA	49-IN-120-G	47.3SEC	3.08SEC	L	Two states have similar T1/2~50 sec.
O0420.002	DECAY-DATA	4-BE-10	2.7E+06YR	1.387E+6YR	N	as printed in p.315
O0420.003	DECAY-DATA	4-BE-10	2.7E+06YR	1.387E+6YR	N	as printed in p.315
O0450.002.1	DECAY-DATA	28-NI-65	36.HR	2.5175HR	V	36.0HR->2.58HR
O0450.002.2	DECAY-DATA	28-NI-57	2.58HR	35.60HR	V	2.58HR->36.0HR
O0500.022	DECAY-DATA	38-SR-82	6132.HR	25.34D	V+U	6132HR->25.55D
O0500.098	DECAY-DATA	77-IR-192-M1	14.MIN	1.45MIN	A	Delete? No clear answer from R.Michel (2014-10-19).
O0505.004	DECAY-DATA	38-SR-85-G	25.55D	64.850D	V	25.55D->64.84D
O0518.060	DECAY-DATA	44-RU-103	39.4HR	39.247D	U	HR->D
O0518.105	DECAY-DATA	44-RU-103	39.4HR	39.247D	U	HR->D
O0518.158	DECAY-DATA	44-RU-103	39.4HR	39.247D	U	HR->D

O0518.210	DECAY-DATA	44-RU-103	39.4HR	39.247D	U	HR->D
O0578.006	DECAY-DATA	60-ND-151	12.4HR	12.44MIN	T	HR->MIN. "12.4 min" is seen in p1498 (left).
O0592.005	DECAY-DATA	57-LA-141	14.MIN	3.92HR	V+U	14.MIN->3.85HR
O0686.002	DECAY-DATA	66-DY-154	2.6HR	3.0E+6YR	P	See COMMENT. The compiler knew the problem.
O0686.007	DECAY-DATA	54-XE-118	6.MIN	3.8MIN	P	See also COMMENT. The compiler knew the problem.
O0689.015	DECAY-DATA	83-BI-205	14.5HR	15.31D	U	HR->D
O0690.007	DECAY-DATA	21-SC-44-G	83.8D	3.97HR	S	21-SC-44-G -> 21-SC-46-G
O0768.026	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
O0768.026	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
O0768.027	DECAY-DATA	49-IN-110-G	1.15HR	4.9HR	I	G->M
O0768.027	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
O0768.132	DECAY-DATA	47-AG-110-M	8.28D	249.76D	S	47-AG-110-M->47-AG-106-M
O0768.163	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
O0768.163	REACTION					39-Y-84-M -> 39-Y-84-G
O0768.184	DECAY-DATA	73-TA-178-M	2.36HR	9.31MIN	L	
O0768.196	DECAY-DATA	67-HO-156-M1	56.MIN	9.5SEC	L	
O0768.337	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
O0768.337	REACTION					39-Y-84-M -> 39-Y-84-G
O0768.400	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
O0768.400	REACTION					39-Y-84-M -> 39-Y-84-G
O0771.016	DECAY-DATA	24-CR-51	21.56HR	27.7025D	V+U	21.56HR ->27.7D
O0781.004	DECAY-DATA	73-TA-178-M1	2.36HR	N/A	L	
O0845.005	DECAY-DATA	43-TC-95-G	4.28D	20.0HR	S	43-TC-95-G->43-TC-96-G
O0900.079	DECAY-DATA	71-LU-169-G	34.06D	34.06HR	T?	D->HR? Email sent to Yu.Titarenko (2014-10-16).
O0900.090	DECAY-DATA	63-EU-145	5.93HR	5.93D	T?	HR->D? Email sent to Yu.Titarenko (2014-10-16).
O0900.093	DECAY-DATA	56-BA-140	12.746HR	12.7527D	T?	HR->D? Email sent to Yu.Titarenko (2014-10-16).
O0916.005	DECAY-DATA	10-NE-19	1.67SEC	17.22SEC	A	?
O0965.003	DECAY-DATA	91-PA-230	1.70D	17.4D	T?	1.70D->17.0D?
O0965.005	DECAY-DATA	91-PA-231	1.063D	3.276E+4YR	S	91-PA-231 -> 90-TH-231
O1016.005	DECAY-DATA	41-NB-90-G	2.HR	14.60HR	S	41-NB-90-G -> 41-NB-89-G
O1018.004	DECAY-DATA	73-TA-178-M1	2.36HR	N/A	L	
O1019.004	DECAY-DATA	73-TA-178-M1	2.36HR	N/A	L	
O1020.004	DECAY-DATA	73-TA-178-M1	2.36HR	N/A	L	
O1021.004	DECAY-DATA	73-TA-178-M1	2.36HR	N/A	L	
O1070.004	DECAY-DATA	51-SB-130-G	6.3MIN	39.5MIN	I	G->M
O1070.004	DECAY-DATA	51-SB-130-M	40.MIN	6.3MIN	I	M->G
O1070.04	REACTION					SF4: 51-SB-130-G/T -> 51-SB-130-M/T
O1100.020	DECAY-DATA	75-RE-186-G	13.78D	3.7186D	N	as printed in Table 1
O1168.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
O1168.002	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
O1180.005	DECAY-DATA	31-GA-67	38.26HR	3.2617D	V	38.26HR->28.26HR
O1234.027	DECAY-DATA	49-IN-110-G	69.MIN	4.9HR	I	G->M
O1234.027	RAD-DET					Delete or G -> M.

O1234.027	REACTION					SF4: 49-IN-110-G -> 49-IN-110-M
O1259.005	DECAY-DATA	47-AG-103-M	15.5SEC	5.7SEC	N	as printed in Table 1
O1275.002	DECAY-DATA	84-PO-211	138.38D	0.516SEC	X	Delete T1/2.
O1342.003	DECAY-DATA	27-CO-60-G	5.2714D	1925.28D	T?	D->YR?
O1342.017	DECAY-DATA	27-CO-60-G	5.2714D	1925.28D	T?	D->YR?
O1359.003	DECAY-DATA	63-EU-146	9.59D	4.61D	N	as printed in Table 1
O1392.005	DECAY-DATA	41-NB-100	8.0SEC	1.5SEC	N	as printed in Table 1
O1407.019	DECAY-DATA	43-TC-94-G	4.88D	293MIN	N	as printed in Table 1
O1694.004	DECAY-DATA	44-RU-97	2.9HR	2.83D	U	HR->D
O1694.005	DECAY-DATA	44-RU-97	2.9HR	2.83D	U	HR->D
O1727.002	DECAY-DATA	20-CA-47	4.536HR	4.536D	U	HR->D
O1728.003	DECAY-DATA	49-IN-114-M	49.51HR	49.51D	U	HR->D
O1728.006	DECAY-DATA	81-TL-199	1.87HR	7.42HR	V	1.87HR->7.42HR
O1728.008	DECAY-DATA	81-TL-199	1.87HR	7.42HR	V	1.87HR->7.42HR
O1728.010	DECAY-DATA	81-TL-199	1.87HR	7.42HR	V	1.87HR->7.42HR
O1728.012	DECAY-DATA	81-TL-199	1.87HR	7.42HR	V	1.87HR->7.42HR
O1738.002	DECAY-DATA	65-TB-152-M	25.SEC	4.2MIN	A	Delete this DECAY-DATA line. Not relevant to the data measured.
O1738.002	REACTION					SF4-SF5: 65-TB-152, -> 65-TB-152-G,M+
O1738.003	DECAY-DATA	65-TB-154-G	21.5MIN	21.5HR	N	MIN -> HR?
O2002.017	DECAY-DATA	17-CL-34	33.2MIN	1.5264SEC	I	Add -M
O2007.002	DECAY-DATA	85-AT-206	2.9HR	30.6MIN	N	as printed in text (p2)
O2007.002	DECAY-DATA	85-AT-210	16.HR	8.1HR	V	16.HR->8.3HR
O2009.002	DECAY-DATA	21-SC-44-M	3.9HR	58.61HR	I	G<->M
O2009.003	DECAY-DATA	21-SC-44-M	3.9HR	58.61HR	I	G<->M
O2009.004	DECAY-DATA	21-SC-44-M	3.9HR	58.61HR	I	G<->M
O2014.006	DECAY-DATA	79-AU-193-M	11.HR	3.9SEC	S	79-AU-193-M->80-HG-193-M
O2032.004	DECAY-DATA	37-RB-84	23.0MIN	32.82D	I	Add -M
O2032.008	DECAY-DATA	35-BR-78	4.4HR	6.45MIN	S	35-BR-78->35-BR-80-M
O2049.006	DECAY-DATA	71-LU-172	1.37YR	6.70D	S	71-LU-172->71-LU-173
P0009.002	DECAY-DATA	32-GE-71	19.4E-3SEC	11.43D	V+I	Add -L; 19.4E-3SEC->19.2MSEC
P0014.027	DECAY-DATA	32-GE-66	9.5HR	2.26HR	V	9.5HR->2.4HR
P0035.003	DECAY-DATA	27-CO-58-G	9.HR	70.86D	I	G->M
P0060.004	DECAY-DATA	24-CR-55	2.58HR	3.497MIN	V+U	2.58 HR->3.5 MIN
P0060.005	DECAY-DATA	25-MN-56	3.5MIN	2.5789HR	V	3.5 MIN->2.58 HR
P0139.003	DECAY-DATA	21-SC-44-M	15.6HR	58.61HR	V	15.6HR -> 57.6HR
P0139.006	DECAY-DATA	21-SC-44-M	15.6HR	58.61HR	V	15.6HR -> 57.6HR
P0139.009	DECAY-DATA	21-SC-44-M	15.6HR	58.61HR	V	15.6HR -> 57.6HR
R0007.002	DECAY-MON	6-C-11	20.29HR	20.334MIN	U	HR->MIN (Table 1)
R0039.008	DECAY-DATA	49-IN-110	69.MIN	4.9HR	I+V	Add -M. 69.MIN->66.MIN
R0039.008	RAD-DET					Delete, or G -> M
R0039.008	REACTION					SF4: 49-IN-110->49-IN-110-M
R0039.009	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
R0039.009	RAD-DET					Delete, or M->G
R0039.009	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G

S0034.002	DECAY-DATA	49-IN-110-M	4.9HR	69.1MIN	I	M->G
S0034.002	REACTION					SF4: 49-IN-110-M -> 49-IN-110-G
T0145.007	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0145.036	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0145.048	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0145.058	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0145.071	DECAY-DATA	32-GE-78	78.3HR	88.0MIN	V	Use (32-GE-78,1.45HR,277.3,0.96).
T0145.072	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0145.085	DECAY-DATA	32-GE-78	78.3HR	88.0MIN	V	Use (32-GE-78,1.45HR,277.3,0.97).
T0145.086	DECAY-DATA	33-AS-69	15.2HR	15.2MIN	U	HR->MIN
T0195.010	DECAY-DATA	39-Y-84-M	40.MIN	4.6SEC	I	M->G
T0195.010	REACTION					39-Y-84-M -> 39-Y-84-G
V1001.266	DECAY-DATA	32-GE-68	71.D	270.95D	N	as printed in p32-1
V1001.293	DECAY-DATA	34-SE-79-G	65000.YR	2.95E+5YR	N	this value is reported in article(p.34-4)
V1001.299	DECAY-DATA	34-SE-82	9.1E19YR	Stable	N	as printed in p34-6
V1001.466	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in p47-2
V1001.467	DECAY-DATA	47-AG-108-M	127.YR	438YR	N	as printed in p47-2
V1001.502	DECAY-DATA	49-IN-114-M	99.476MIN	49.51D	V+U	99.476MIN->49.51D
V1002.026	DECAY-DATA	52-TE-128	5.E23YR	2.41E+24YR	N	Typo in the book is taken in to account by the compiler.
V1002.028	DECAY-DATA	52-TE-130	8.8E18YR	3.0E+24YR	N	Typo in the book is taken in to account by the compiler.
V1002.167	DECAY-DATA	60-ND-150	7.9E20YR	0.79E19YR	N	as printed in p60-19
V1002.348	DECAY-DATA	71-LU-176-G	3.76E17YR	3.76E+10YR	N	as printed in p71-1
V1002.352	DECAY-DATA	71-LU-176	6.76E10YR	3.76E+10YR	N	as printed in p71-9
V1002.352	DECAY-DATA	71-LU-177-M2	0.16MSEC	6MIN	N	as printed in p71-9
V1002.465	DECAY-DATA	77-IR-194-M	32.MSEC	171D	I	M->L
V1002.465	REACTION					SF4: 77-IR-194-M -> 77-IR-194-L
V1002.483	DECAY-DATA	78-PT-200	30.8MIN	12.6HR	S	78-PT-200->78-PT-199
V1002.599	DECAY-DATA	93-NP-236	22.5HR	153E+3YR	L	
V1002.694	DECAY-DATA	96-CM-250	13.08YR	8.3E+3YR	S	96-CM-250->98-CF-250
V1002.695	DECAY-DATA	96-CM-250	13.08YR	8.3E+3YR	S	96-CM-250->98-CF-250
V1002.696	DECAY-DATA	96-CM-250	13.08YR	8.3E+3YR	S	96-CM-250->98-CF-250