

Interpreted ENDF file

See original data:
[Section](#) [Material](#)
and [Evaluation Summary](#)

U-238(FY_cum)U-239,RNP MAT=9237 MF=8 MT=459 Library:
ENDF/B-VIII.0

(n,FY_cum) Cumulative Fission-Product Yields

Fission-product yields are given for 2 incident neutron energies

Neutron energy = 5.0000E+05

PRODUCT	ZAFP	FPS	Y	DY
22-Ti- 66	22066.	0.	7.9870E-19	5.1117E-19
23-V - 66	23066.	0.	1.4186E-14	9.0788E-15
23-V - 67	23067.	0.	2.7535E-16	1.7622E-16
23-V - 68	23068.	0.	1.6886E-17	1.0807E-17
23-V - 69	23069.	0.	2.8156E-18	1.8020E-18
24-Cr- 66	24066.	0.	1.7100E-11	1.0944E-11
24-Cr- 67	24067.	0.	6.7400E-12	4.3136E-12
24-Cr- 68	24068.	0.	4.4800E-13	2.8672E-13
24-Cr- 69	24069.	0.	6.8921E-14	4.4110E-14
24-Cr- 70	24070.	0.	0.0000E+00	0.0000E+00
24-Cr- 71	24071.	0.	1.1532E-17	7.3808E-18
25-Mn- 66	25066.	0.	2.0400E-09	1.3056E-09
25-Mn- 67	25067.	0.	2.6800E-09	1.7152E-09
25-Mn- 68	25068.	0.	5.0400E-10	3.2256E-10
25-Mn- 69	25069.	0.	6.0300E-11	3.8592E-11
25-Mn- 70	25070.	0.	4.4500E-12	2.8480E-12
25-Mn- 71	25071.	0.	2.2200E-13	1.4208E-13
25-Mn- 72	25072.	0.	1.9449E-15	1.2447E-15
25-Mn- 73	25073.	0.	3.9137E-16	2.5048E-16
25-Mn- 74	25074.	0.	1.6697E-17	1.0686E-17
26-Fe- 66	26066.	0.	2.3800E-08	1.5232E-08
26-Fe- 67	26067.	0.	7.6701E-08	4.9088E-08
26-Fe- 68	26068.	0.	4.3500E-08	2.7840E-08
26-Fe- 69	26069.	0.	1.4500E-08	9.2801E-09
26-Fe- 70	26070.	0.	3.5000E-09	2.2400E-09
26-Fe- 71	26071.	0.	4.9800E-10	3.1872E-10
26-Fe- 72	26072.	0.	5.1600E-11	3.3024E-11
26-Fe- 73	26073.	0.	9.5801E-12	6.1312E-12
26-Fe- 74	26074.	0.	4.4300E-13	2.8352E-13
26-Fe- 75	26075.	0.	7.0649E-15	4.5216E-15
26-Fe- 76	26076.	0.	0.0000E+00	0.0000E+00
26-Fe- 77	26077.	0.	3.1292E-16	2.0027E-16
27-Co- 66	27066.	0.	3.6300E-08	1.6335E-08
27-Co- 67	27067.	0.	1.9500E-07	1.2480E-07
27-Co- 68	27068.	0.	2.0500E-07	1.3120E-07
27-Co- 69	27069.	0.	1.7300E-07	1.1072E-07
27-Co- 70	27070.	0.	1.0200E-07	6.5280E-08
27-Co- 71	27071.	0.	4.4100E-08	2.8224E-08
27-Co- 72	27072.	0.	1.2800E-08	8.1920E-09
27-Co- 73	27073.	0.	7.8601E-09	5.0304E-09

27-Co-	74	27074.	0.	1.0700E-09	6.8480E-10
27-Co-	75	27075.	0.	1.3600E-10	8.7041E-11
27-Co-	76	27076.	0.	1.0800E-11	6.9120E-12
27-Co-	77	27077.	0.	6.0237E-12	3.8552E-12
27-Co-	78	27078.	0.	5.9176E-14	3.7873E-14
27-Co-	79	27079.	0.	1.3914E-14	8.9053E-15
28-Ni-	66	28066.	0.	3.7100E-08	1.1872E-08
28-Ni-	67	28067.	0.	2.1400E-07	9.6301E-08
28-Ni-	68	28068.	0.	2.7900E-07	1.2555E-07
28-Ni-	69	28069.	0.	3.4700E-07	2.2208E-07
28-Ni-	70	28070.	0.	3.9300E-07	2.5152E-07
28-Ni-	71	28071.	0.	3.5100E-07	2.2464E-07
28-Ni-	72	28072.	0.	2.8200E-07	1.8048E-07
28-Ni-	73	28073.	0.	4.3400E-07	2.7776E-07
28-Ni-	74	28074.	0.	1.9100E-07	1.2224E-07
28-Ni-	75	28075.	0.	6.6600E-08	4.2624E-08
28-Ni-	76	28076.	0.	1.7700E-08	1.1328E-08
28-Ni-	77	28077.	0.	6.7000E-09	4.2880E-09
28-Ni-	78	28078.	0.	1.5700E-09	1.0048E-09
28-Ni-	79	28079.	0.	3.4061E-10	2.1799E-10
28-Ni-	80	28080.	0.	5.3600E-12	3.4304E-12
28-Ni-	81	28081.	0.	1.6312E-13	1.0440E-13
28-Ni-	82	28082.	0.	0.0000E+00	0.0000E+00
29-Cu-	66	29066.	0.	3.7100E-08	1.1872E-08
29-Cu-	67	29067.	0.	2.1500E-07	6.8800E-08
29-Cu-	68	29068.	0.	2.8000E-07	1.2600E-07
29-Cu-	68-M	29068.	1.	1.1700E-09	7.4881E-10
29-Cu-	69	29069.	0.	3.5800E-07	1.6110E-07
29-Cu-	70	29070.	0.	2.0700E-07	1.3248E-07
29-Cu-	70-M	29070.	1.	2.3400E-07	1.4976E-07
29-Cu-	71	29071.	0.	4.8900E-07	3.1296E-07
29-Cu-	72	29072.	0.	5.6800E-07	2.5560E-07
29-Cu-	73	29073.	0.	1.6800E-06	1.0752E-06
29-Cu-	74	29074.	0.	1.5500E-06	9.9201E-07
29-Cu-	75	29075.	0.	1.4800E-06	9.4721E-07
29-Cu-	76	29076.	0.	9.9701E-07	6.3808E-07
29-Cu-	77	29077.	0.	1.2300E-06	7.8721E-07
29-Cu-	78	29078.	0.	8.0001E-07	5.1200E-07
29-Cu-	79	29079.	0.	2.9800E-07	1.9072E-07
29-Cu-	80	29080.	0.	2.8200E-08	1.8048E-08
29-Cu-	81	29081.	0.	3.1400E-09	2.0096E-09
29-Cu-	82	29082.	0.	2.4900E-10	1.5936E-10
29-Cu-	83	29083.	0.	3.8197E-12	2.4446E-12
29-Cu-	84	29084.	0.	2.4726E-13	1.5825E-13
30-Zn-	66	30066.	0.	3.7100E-08	1.1872E-08
30-Zn-	67	30067.	0.	2.1500E-07	6.8800E-08
30-Zn-	68	30068.	0.	2.8000E-07	8.9601E-08
30-Zn-	69	30069.	0.	3.5800E-07	1.6110E-07
30-Zn-	69-M	30069.	1.	4.7500E-11	3.0400E-11
30-Zn-	70	30070.	0.	4.4100E-07	1.0143E-07
30-Zn-	71	30071.	0.	4.9000E-07	2.2050E-07
30-Zn-	71-M	30071.	1.	4.7900E-09	3.0656E-09
30-Zn-	72	30072.	0.	6.0500E-07	1.9360E-07
30-Zn-	73	30073.	0.	2.0600E-06	6.5920E-07
30-Zn-	74	30074.	0.	2.7200E-06	1.7408E-06
30-Zn-	75	30075.	0.	4.2700E-06	2.7328E-06
30-Zn-	76	30076.	0.	6.3400E-06	4.0576E-06
30-Zn-	77	30077.	0.	1.7880E-05	1.1443E-05

30-Zn- 78	30078.	0.	3.3350E-05	2.1344E-05
30-Zn- 79	30079.	0.	3.3450E-05	2.1408E-05
30-Zn- 80	30080.	0.	1.0450E-05	6.6880E-06
30-Zn- 81	30081.	0.	3.3700E-06	2.1568E-06
30-Zn- 82	30082.	0.	9.3101E-07	5.9584E-07
30-Zn- 83	30083.	0.	9.3501E-08	5.9840E-08
30-Zn- 84	30084.	0.	6.5600E-09	4.1984E-09
30-Zn- 85	30085.	0.	5.0130E-11	3.2083E-11
30-Zn- 86	30086.	0.	3.6700E-12	2.3488E-12
30-Zn- 87	30087.	0.	1.7608E-13	1.1269E-13
31-Ga- 66	31066.	0.	0.0000E+00	0.0000E+00
31-Ga- 67	31067.	0.	0.0000E+00	0.0000E+00
31-Ga- 68	31068.	0.	0.0000E+00	0.0000E+00
31-Ga- 69	31069.	0.	3.5800E-07	1.1456E-07
31-Ga- 70	31070.	0.	4.0200E-13	2.5728E-13
31-Ga- 71	31071.	0.	4.9500E-07	1.5840E-07
31-Ga- 72-M	31072.	1.	9.3001E-11	5.9520E-11
31-Ga- 72	31072.	0.	6.0500E-07	3.8720E-07
31-Ga- 73	31073.	0.	2.0600E-06	4.7380E-07
31-Ga- 74-M	31074.	1.	2.0653E-06	1.3218E-06
31-Ga- 74	31074.	0.	2.2537E-06	1.4424E-06
31-Ga- 75	31075.	0.	4.6200E-06	2.9568E-06
31-Ga- 76	31076.	0.	7.9500E-06	3.5775E-06
31-Ga- 77	31077.	0.	3.1850E-05	2.0384E-05
31-Ga- 78	31078.	0.	9.6881E-05	6.2004E-05
31-Ga- 79	31079.	0.	2.1680E-04	1.3875E-04
31-Ga- 80	31080.	0.	1.5702E-04	1.0049E-04
31-Ga- 81	31081.	0.	1.5131E-04	9.6839E-05
31-Ga- 82	31082.	0.	1.1409E-04	7.3018E-05
31-Ga- 83	31083.	0.	3.9470E-05	2.5261E-05
31-Ga- 84	31084.	0.	8.6101E-06	5.5104E-06
31-Ga- 85	31085.	0.	9.6501E-07	6.1760E-07
31-Ga- 86	31086.	0.	5.7400E-08	3.6736E-08
31-Ga- 87	31087.	0.	3.3895E-09	2.1693E-09
31-Ga- 88	31088.	0.	1.5642E-11	1.0011E-11
31-Ga- 89	31089.	0.	1.6184E-12	1.0358E-12
32-Ge- 66	32066.	0.	0.0000E+00	0.0000E+00
32-Ge- 67	32067.	0.	0.0000E+00	0.0000E+00
32-Ge- 68	32068.	0.	0.0000E+00	0.0000E+00
32-Ge- 69	32069.	0.	0.0000E+00	0.0000E+00
32-Ge- 70	32070.	0.	4.0200E-13	2.5728E-13
32-Ge- 71	32071.	0.	0.0000E+00	0.0000E+00
32-Ge- 71-M	32071.	1.	0.0000E+00	0.0000E+00
32-Ge- 72	32072.	0.	6.0500E-07	1.9360E-07
32-Ge- 73	32073.	0.	2.0600E-06	4.7380E-07
32-Ge- 73-M	32073.	1.	2.0600E-06	4.7380E-07
32-Ge- 74	32074.	0.	2.7700E-06	8.8641E-07
32-Ge- 75	32075.	0.	4.6200E-06	2.0790E-06
32-Ge- 75-M	32075.	1.	1.8800E-07	8.4601E-08
32-Ge- 76	32076.	0.	8.0001E-06	1.8400E-06
32-Ge- 77	32077.	0.	1.0750E-05	3.4400E-06
32-Ge- 77-M	32077.	1.	2.8170E-05	1.2677E-05
32-Ge- 78	32078.	0.	1.1206E-04	5.0427E-05
32-Ge- 79-M	32079.	1.	6.3959E-05	4.0934E-05
32-Ge- 79	32079.	0.	2.6187E-04	1.6760E-04
32-Ge- 80	32080.	0.	4.0743E-04	1.8334E-04
32-Ge- 81	32081.	0.	7.2033E-04	4.6101E-04
32-Ge- 82	32082.	0.	1.3532E-03	8.6603E-04

32-Ge- 83	32083.	0.	1.1702E-03	7.4895E-04
32-Ge- 84	32084.	0.	8.5617E-04	5.4795E-04
32-Ge- 85	32085.	0.	2.8476E-04	1.8225E-04
32-Ge- 86	32086.	0.	6.1020E-05	3.9053E-05
32-Ge- 87	32087.	0.	3.7700E-06	2.4128E-06
32-Ge- 88	32088.	0.	4.1500E-07	2.6560E-07
32-Ge- 89	32089.	0.	3.9616E-08	2.5354E-08
32-Ge- 90	32090.	0.	4.9692E-11	3.1803E-11
32-Ge- 91	32091.	0.	8.7884E-12	5.6246E-12
32-Ge- 92	32092.	0.	9.2481E-13	5.9188E-13
33-As- 69	33069.	0.	0.0000E+00	0.0000E+00
33-As- 71	33071.	0.	0.0000E+00	0.0000E+00
33-As- 72	33072.	0.	0.0000E+00	0.0000E+00
33-As- 73	33073.	0.	0.0000E+00	0.0000E+00
33-As- 74	33074.	0.	2.1000E-14	1.3440E-14
33-As- 74-M	33074.	1.	1.5300E-14	9.7921E-15
33-As- 75	33075.	0.	4.6200E-06	1.4784E-06
33-As- 76	33076.	0.	5.6000E-11	3.5840E-11
33-As- 77	33077.	0.	3.3010E-05	5.2816E-06
33-As- 78	33078.	0.	1.1222E-04	3.5911E-05
33-As- 79	33079.	0.	3.2673E-04	1.4703E-04
33-As- 80	33080.	0.	4.2726E-04	1.3672E-04
33-As- 81	33081.	0.	8.5915E-04	3.8661E-04
33-As- 82	33082.	0.	1.7209E-03	7.7441E-04
33-As- 82-M	33082.	1.	3.6800E-04	2.3552E-04
33-As- 83	33083.	0.	3.6198E-03	1.1583E-03
33-As- 84-M	33084.	1.	1.8026E-03	1.1537E-03
33-As- 84	33084.	0.	2.6611E-03	1.7031E-03
33-As- 85	33085.	0.	4.0207E-03	2.5732E-03
33-As- 86	33086.	0.	2.3205E-03	1.4851E-03
33-As- 87	33087.	0.	5.0100E-04	3.2064E-04
33-As- 88	33088.	0.	1.6652E-04	1.0657E-04
33-As- 89	33089.	0.	3.4660E-05	2.2182E-05
33-As- 90	33090.	0.	8.8257E-07	5.6484E-07
33-As- 91	33091.	0.	1.6918E-07	1.0827E-07
33-As- 92	33092.	0.	1.6425E-08	1.0512E-08
33-As- 93	33093.	0.	2.3387E-11	1.4967E-11
33-As- 94	33094.	0.	2.4160E-12	1.5463E-12
34-Se- 72	34072.	0.	0.0000E+00	0.0000E+00
34-Se- 73	34073.	0.	0.0000E+00	0.0000E+00
34-Se- 73-M	34073.	1.	0.0000E+00	0.0000E+00
34-Se- 74	34074.	0.	0.0000E+00	0.0000E+00
34-Se- 75	34075.	0.	0.0000E+00	0.0000E+00
34-Se- 76	34076.	0.	5.6000E-11	3.5840E-11
34-Se- 77	34077.	0.	3.3010E-05	3.6311E-06
34-Se- 77-M	34077.	1.	9.9001E-08	1.5840E-08
34-Se- 78	34078.	0.	1.1222E-04	2.5811E-05
34-Se- 79	34079.	0.	3.2673E-04	1.0455E-04
34-Se- 79-M	34079.	1.	3.2673E-04	1.4703E-04
34-Se- 80	34080.	0.	4.2741E-04	6.8386E-05
34-Se- 81	34081.	0.	8.6209E-04	2.7587E-04
34-Se- 81-M	34081.	1.	2.5900E-06	1.6576E-06
34-Se- 82	34082.	0.	2.1377E-03	3.4204E-04
34-Se- 83	34083.	0.	1.5819E-03	5.0621E-04
34-Se- 83-M	34083.	1.	2.3738E-03	7.5961E-04
34-Se- 84	34084.	0.	8.2088E-03	4.9253E-04
34-Se- 85	34085.	0.	4.4735E-03	2.0131E-03
34-Se- 85-M	34085.	1.	2.5595E-03	1.6381E-03

34-Se- 86	34086.	0.	1.0691E-02	2.4590E-03
34-Se- 87	34087.	0.	8.7595E-03	2.8030E-03
34-Se- 88	34088.	0.	5.5855E-03	2.5135E-03
34-Se- 89	34089.	0.	3.3734E-03	2.1590E-03
34-Se- 90	34090.	0.	1.0639E-03	6.8089E-04
34-Se- 91	34091.	0.	1.8817E-04	1.2043E-04
34-Se- 92	34092.	0.	1.9800E-05	1.2672E-05
34-Se- 93	34093.	0.	5.7247E-07	3.6638E-07
34-Se- 94	34094.	0.	6.4100E-08	4.1024E-08
34-Se- 95	34095.	0.	5.9117E-11	3.7835E-11
34-Se- 96	34096.	0.	2.4700E-11	1.5808E-11
34-Se- 97	34097.	0.	3.7457E-13	2.3972E-13
35-Br- 75	35075.	0.	0.0000E+00	0.0000E+00
35-Br- 77	35077.	0.	0.0000E+00	0.0000E+00
35-Br- 77-M	35077.	1.	0.0000E+00	0.0000E+00
35-Br- 78	35078.	0.	0.0000E+00	0.0000E+00
35-Br- 79	35079.	0.	3.2673E-04	7.5148E-05
35-Br- 79-M	35079.	1.	5.1100E-13	3.2704E-13
35-Br- 80	35080.	0.	3.7500E-11	2.4000E-11
35-Br- 80-M	35080.	1.	2.9300E-11	1.8752E-11
35-Br- 81	35081.	0.	8.6209E-04	1.9828E-04
35-Br- 82	35082.	0.	1.2200E-07	7.8080E-08
35-Br- 82-M	35082.	1.	3.3100E-08	2.1184E-08
35-Br- 83	35083.	0.	3.9586E-03	2.3751E-04
35-Br- 84	35084.	0.	8.2238E-03	2.3027E-04
35-Br- 84-M	35084.	1.	3.1890E-05	2.0410E-05
35-Br- 85	35085.	0.	7.4282E-03	2.9713E-04
35-Br- 86	35086.	0.	1.1605E-02	1.2766E-03
35-Br- 86-M	35086.	1.	9.3044E-04	5.9548E-04
35-Br- 87	35087.	0.	1.5372E-02	9.2231E-04
35-Br- 88	35088.	0.	1.4788E-02	3.4013E-03
35-Br- 89	35089.	0.	1.9438E-02	4.4707E-03
35-Br- 90	35090.	0.	1.4418E-02	3.3162E-03
35-Br- 91	35091.	0.	7.7326E-03	3.4797E-03
35-Br- 92	35092.	0.	2.3586E-03	1.5095E-03
35-Br- 93	35093.	0.	5.0086E-04	3.2055E-04
35-Br- 94	35094.	0.	7.9021E-05	5.0573E-05
35-Br- 95	35095.	0.	1.1380E-06	7.2833E-07
35-Br- 96	35096.	0.	3.5200E-07	2.2528E-07
35-Br- 97	35097.	0.	7.2105E-09	4.6147E-09
35-Br- 98	35098.	0.	9.7999E-11	6.2719E-11
35-Br- 99	35099.	0.	7.9098E-12	5.0623E-12
35-Br-100	35100.	0.	1.3795E-13	8.8289E-14
36-Kr- 77	36077.	0.	0.0000E+00	0.0000E+00
36-Kr- 78	36078.	0.	0.0000E+00	0.0000E+00
36-Kr- 79-M	36079.	1.	0.0000E+00	0.0000E+00
36-Kr- 79	36079.	0.	0.0000E+00	0.0000E+00
36-Kr- 80	36080.	0.	3.7500E-11	2.4000E-11
36-Kr- 81	36081.	0.	1.2600E-13	8.0640E-14
36-Kr- 81-M	36081.	1.	1.5100E-14	9.6641E-15
36-Kr- 82	36082.	0.	1.2200E-07	7.8080E-08
36-Kr- 83	36083.	0.	3.9586E-03	5.5420E-05
36-Kr- 83-M	36083.	1.	3.9586E-03	1.1084E-04
36-Kr- 84	36084.	0.	8.2558E-03	1.1558E-04
36-Kr- 85	36085.	0.	1.4861E-03	2.9723E-05
36-Kr- 85-M	36085.	1.	7.4286E-03	1.4857E-04
36-Kr- 86	36086.	0.	1.2965E-02	1.2965E-04
36-Kr- 87	36087.	0.	1.6254E-02	3.2508E-04

36-Kr- 88	36088.	0.	2.0260E-02	5.6729E-04
36-Kr- 89	36089.	0.	2.6725E-02	5.3449E-04
36-Kr- 90	36090.	0.	3.0772E-02	2.4617E-03
36-Kr- 91	36091.	0.	3.3511E-02	2.0107E-03
36-Kr- 92	36092.	0.	2.6509E-02	1.5906E-03
36-Kr- 93	36093.	0.	1.4638E-02	1.1710E-03
36-Kr- 94	36094.	0.	7.4228E-03	3.3403E-03
36-Kr- 95	36095.	0.	1.2658E-03	8.1010E-04
36-Kr- 96	36096.	0.	3.4220E-04	2.1901E-04
36-Kr- 97	36097.	0.	8.0200E-06	5.1328E-06
36-Kr- 98	36098.	0.	2.6000E-06	1.6640E-06
36-Kr- 99	36099.	0.	1.9362E-07	1.2392E-07
36-Kr-100	36100.	0.	3.6600E-09	2.3424E-09
36-Kr-101	36101.	0.	2.2402E-11	1.4337E-11
36-Kr-102	36102.	0.	2.9309E-12	1.8758E-12
37-Rb- 79	37079.	0.	0.0000E+00	0.0000E+00
37-Rb- 81	37081.	0.	0.0000E+00	0.0000E+00
37-Rb- 83	37083.	0.	3.5200E-14	2.2528E-14
37-Rb- 84	37084.	0.	5.7200E-12	3.6608E-12
37-Rb- 85	37085.	0.	7.4306E-03	7.4306E-05
37-Rb- 86-M	37086.	1.	1.4000E-08	8.9601E-09
37-Rb- 86	37086.	0.	2.8000E-08	1.7920E-08
37-Rb- 87	37087.	0.	1.6255E-02	1.6255E-04
37-Rb- 88	37088.	0.	2.0280E-02	4.0561E-04
37-Rb- 89	37089.	0.	2.7610E-02	5.5220E-04
37-Rb- 90	37090.	0.	2.7792E-02	2.2234E-03
37-Rb- 90-M	37090.	1.	4.7907E-03	1.5330E-03
37-Rb- 91	37091.	0.	4.0274E-02	1.6110E-03
37-Rb- 92	37092.	0.	4.1543E-02	3.3235E-03
37-Rb- 93	37093.	0.	4.0953E-02	6.5525E-03
37-Rb- 94	37094.	0.	3.2428E-02	7.4585E-03
37-Rb- 95	37095.	0.	1.7127E-02	5.4808E-03
37-Rb- 96	37096.	0.	1.2030E-02	2.7669E-03
37-Rb- 97	37097.	0.	8.9432E-04	5.7236E-04
37-Rb- 98	37098.	0.	8.4630E-04	5.4163E-04
37-Rb- 99	37099.	0.	1.6940E-04	1.0842E-04
37-Rb-100	37100.	0.	1.2450E-05	7.9681E-06
37-Rb-101	37101.	0.	4.3125E-07	2.7600E-07
37-Rb-102	37102.	0.	5.2055E-08	3.3315E-08
37-Rb-103	37103.	0.	6.2001E-11	3.9681E-11
37-Rb-104	37104.	0.	7.6138E-12	4.8728E-12
37-Rb-105	37105.	0.	1.6953E-12	1.0850E-12
38-Sr- 83	38083.	0.	0.0000E+00	0.0000E+00
38-Sr- 84	38084.	0.	1.7200E-13	1.1008E-13
38-Sr- 85-M	38085.	1.	0.0000E+00	0.0000E+00
38-Sr- 85	38085.	0.	0.0000E+00	0.0000E+00
38-Sr- 86	38086.	0.	2.8000E-08	1.7920E-08
38-Sr- 87	38087.	0.	1.6255E-02	1.6255E-04
38-Sr- 87-M	38087.	1.	2.7300E-11	1.7472E-11
38-Sr- 88	38088.	0.	2.0281E-02	2.8393E-04
38-Sr- 89	38089.	0.	2.7611E-02	3.8655E-04
38-Sr- 90	38090.	0.	3.2469E-02	4.5457E-04
38-Sr- 91	38091.	0.	4.0395E-02	8.0789E-04
38-Sr- 92	38092.	0.	4.3123E-02	1.2074E-03
38-Sr- 93	38093.	0.	4.9093E-02	1.9637E-03
38-Sr- 94	38094.	0.	4.5761E-02	3.6609E-03
38-Sr- 95	38095.	0.	4.9159E-02	3.9327E-03
38-Sr- 96	38096.	0.	5.1901E-02	8.3042E-03

38-Sr- 97	38097.	0.	2.9362E-02	6.7534E-03
38-Sr- 98	38098.	0.	2.3415E-02	5.3854E-03
38-Sr- 99	38099.	0.	9.9412E-03	4.4735E-03
38-Sr-100	38100.	0.	3.0498E-03	1.9519E-03
38-Sr-101	38101.	0.	4.7966E-04	3.0698E-04
38-Sr-102	38102.	0.	6.2750E-05	4.0160E-05
38-Sr-103	38103.	0.	1.5177E-06	9.7133E-07
38-Sr-104	38104.	0.	2.0200E-07	1.2928E-07
38-Sr-105	38105.	0.	4.1499E-08	2.6559E-08
38-Sr-106	38106.	0.	0.0000E+00	0.0000E+00
38-Sr-107	38107.	0.	0.0000E+00	0.0000E+00
38-Sr-108	38108.	0.	0.0000E+00	0.0000E+00
38-Sr-109	38109.	0.	0.0000E+00	0.0000E+00
39-Y - 85	39085.	0.	0.0000E+00	0.0000E+00
39-Y - 87	39087.	0.	0.0000E+00	0.0000E+00
39-Y - 88	39088.	0.	2.0900E-13	1.3376E-13
39-Y - 89	39089.	0.	2.7611E-02	3.8655E-04
39-Y - 89-M	39089.	1.	2.7600E-06	3.8640E-08
39-Y - 90-M	39090.	1.	1.2150E-09	7.7760E-10
39-Y - 90	39090.	0.	3.2469E-02	2.0781E-02
39-Y - 91-M	39091.	1.	2.3429E-02	1.4995E-02
39-Y - 91	39091.	0.	4.0395E-02	2.5853E-02
39-Y - 92	39092.	0.	4.3125E-02	1.2075E-03
39-Y - 93-M	39093.	1.	1.7006E-02	1.0884E-02
39-Y - 93	39093.	0.	4.9133E-02	3.1445E-02
39-Y - 94	39094.	0.	4.6100E-02	1.8440E-03
39-Y - 95	39095.	0.	5.1392E-02	1.4390E-03
39-Y - 96	39096.	0.	5.9988E-02	4.7990E-03
39-Y - 96-M	39096.	1.	7.3587E-03	3.3114E-03
39-Y - 97-M	39097.	1.	0.0000E+00	0.0000E+00
39-Y - 97	39097.	0.	5.4547E-02	2.1819E-03
39-Y - 98	39098.	0.	3.8548E-02	6.1677E-03
39-Y - 98-M	39098.	1.	1.5140E-02	3.4822E-03
39-Y - 99	39099.	0.	4.7342E-02	1.0889E-02
39-Y -100	39100.	0.	3.2313E-02	7.4319E-03
39-Y -101	39101.	0.	1.5075E-02	3.4673E-03
39-Y -102	39102.	0.	5.2822E-03	2.3770E-03
39-Y -103	39103.	0.	1.3279E-03	8.4983E-04
39-Y -104	39104.	0.	1.6278E-04	1.0418E-04
39-Y -105	39105.	0.	3.6308E-05	2.3237E-05
39-Y -106	39106.	0.	2.9781E-13	1.9060E-13
39-Y -107	39107.	0.	8.6134E-15	5.5126E-15
39-Y -108	39108.	0.	3.6032E-16	2.3060E-16
39-Y -109	39109.	0.	9.0635E-17	5.8007E-17
39-Y -110	39110.	0.	0.0000E+00	0.0000E+00
39-Y -111	39111.	0.	1.3895E-13	8.8926E-14
40-Zr- 87	40087.	0.	0.0000E+00	0.0000E+00
40-Zr- 88	40088.	0.	0.0000E+00	0.0000E+00
40-Zr- 89	40089.	0.	0.0000E+00	0.0000E+00
40-Zr- 90-M	40090.	1.	1.7500E-14	1.1200E-14
40-Zr- 90	40090.	0.	3.2469E-02	2.0781E-02
40-Zr- 91	40091.	0.	4.0395E-02	8.0790E-04
40-Zr- 92	40092.	0.	4.3125E-02	1.2075E-03
40-Zr- 93	40093.	0.	4.9133E-02	9.8266E-04
40-Zr- 94	40094.	0.	4.6101E-02	1.2908E-03
40-Zr- 95	40095.	0.	5.1405E-02	7.1967E-04
40-Zr- 96	40096.	0.	6.0174E-02	2.4070E-03
40-Zr- 97	40097.	0.	5.5623E-02	7.7872E-04

40-Zr- 98	40098.	0.	5.9418E-02	9.5069E-03
40-Zr- 99	40099.	0.	6.1365E-02	6.7502E-03
40-Zr-100	40100.	0.	6.5039E-02	1.0406E-02
40-Zr-101	40101.	0.	5.5093E-02	1.2671E-02
40-Zr-102	40102.	0.	4.6200E-02	1.0626E-02
40-Zr-103	40103.	0.	2.7777E-02	6.3888E-03
40-Zr-104	40104.	0.	1.0289E-02	4.6299E-03
40-Zr-105	40105.	0.	2.1307E-03	1.3637E-03
40-Zr-106	40106.	0.	7.2900E-06	4.6656E-06
40-Zr-107	40107.	0.	1.9453E-07	1.2450E-07
40-Zr-108	40108.	0.	8.8201E-09	5.6448E-09
40-Zr-109	40109.	0.	2.0470E-09	1.3101E-09
40-Zr-110	40110.	0.	1.5900E-12	1.0176E-12
40-Zr-111	40111.	0.	3.4012E-09	2.1768E-09
40-Zr-112	40112.	0.	1.0472E-12	6.7020E-13
40-Zr-113	40113.	0.	7.8556E-14	5.0276E-14
40-Zr-114	40114.	0.	3.8581E-15	2.4692E-15
41-Nb- 89	41089.	0.	0.0000E+00	0.0000E+00
41-Nb- 90	41090.	0.	0.0000E+00	0.0000E+00
41-Nb- 91	41091.	0.	0.0000E+00	0.0000E+00
41-Nb- 92	41092.	0.	0.0000E+00	0.0000E+00
41-Nb- 93	41093.	0.	4.9133E-02	9.8266E-04
41-Nb- 93-M	41093.	1.	4.6676E-02	9.3353E-04
41-Nb- 94	41094.	0.	3.7100E-11	2.3744E-11
41-Nb- 94-M	41094.	1.	1.3700E-11	8.7681E-12
41-Nb- 95	41095.	0.	5.1405E-02	5.1405E-04
41-Nb- 95-M	41095.	1.	5.1405E-04	7.1968E-06
41-Nb- 96	41096.	0.	1.0400E-07	6.6560E-08
41-Nb- 97	41097.	0.	5.5625E-02	5.5625E-04
41-Nb- 97-M	41097.	1.	5.2286E-02	5.2286E-04
41-Nb- 98	41098.	0.	5.9443E-02	9.5109E-03
41-Nb- 98-M	41098.	1.	7.1201E-06	4.5568E-06
41-Nb- 99	41099.	0.	4.2981E-02	3.4385E-03
41-Nb- 99-M	41099.	1.	1.8701E-02	2.0571E-03
41-Nb-100	41100.	0.	3.3482E-02	5.3571E-03
41-Nb-100-M	41100.	1.	3.3482E-02	5.3571E-03
41-Nb-101	41101.	0.	6.1987E-02	6.8186E-03
41-Nb-102-M	41102.	1.	8.7271E-03	5.5854E-03
41-Nb-102	41102.	0.	5.4927E-02	3.5153E-02
41-Nb-103	41103.	0.	5.8992E-02	6.4891E-03
41-Nb-104-M	41104.	1.	1.4335E-02	9.1746E-03
41-Nb-104	41104.	0.	2.4628E-02	1.5762E-02
41-Nb-105	41105.	0.	2.0084E-02	4.6194E-03
41-Nb-106	41106.	0.	5.9503E-03	2.6776E-03
41-Nb-107	41107.	0.	1.4502E-03	9.2814E-04
41-Nb-108	41108.	0.	1.7381E-04	1.1124E-04
41-Nb-109	41109.	0.	1.5260E-05	9.7665E-06
41-Nb-110	41110.	0.	1.1100E-06	7.1041E-07
41-Nb-111	41111.	0.	2.9758E-06	1.9045E-06
41-Nb-112	41112.	0.	1.8599E-08	1.1903E-08
41-Nb-113	41113.	0.	1.5122E-09	9.6781E-10
41-Nb-114	41114.	0.	6.8522E-11	4.3854E-11
41-Nb-115	41115.	0.	7.8405E-14	5.0179E-14
41-Nb-116	41116.	0.	4.5984E-15	2.9430E-15
42-Mo- 90	42090.	0.	0.0000E+00	0.0000E+00
42-Mo- 91	42091.	0.	0.0000E+00	0.0000E+00
42-Mo- 92	42092.	0.	0.0000E+00	0.0000E+00
42-Mo- 93-M	42093.	1.	0.0000E+00	0.0000E+00

42-Mo- 93	42093.	0.	0.0000E+00	0.0000E+00
42-Mo- 94	42094.	0.	3.7200E-11	2.3808E-11
42-Mo- 95	42095.	0.	5.1405E-02	5.1405E-04
42-Mo- 96	42096.	0.	1.0400E-07	6.6560E-08
42-Mo- 97	42097.	0.	5.5625E-02	3.8937E-04
42-Mo- 98	42098.	0.	5.9450E-02	5.9450E-04
42-Mo- 99	42099.	0.	6.1682E-02	8.6356E-04
42-Mo-100	42100.	0.	6.6974E-02	6.6974E-04
42-Mo-101	42101.	0.	6.2090E-02	3.7254E-03
42-Mo-102	42102.	0.	6.4472E-02	2.5789E-03
42-Mo-103	42103.	0.	6.2732E-02	3.7639E-03
42-Mo-104	42104.	0.	5.0202E-02	2.0081E-03
42-Mo-105	42105.	0.	3.9729E-02	3.1783E-03
42-Mo-106	42106.	0.	2.4645E-02	1.4787E-03
42-Mo-107	42107.	0.	1.3794E-02	3.1726E-03
42-Mo-108	42108.	0.	5.2469E-03	2.3611E-03
42-Mo-109	42109.	0.	1.6973E-03	1.0863E-03
42-Mo-110	42110.	0.	6.2088E-04	3.9737E-04
42-Mo-111	42111.	0.	1.7463E-04	1.1176E-04
42-Mo-112	42112.	0.	2.2420E-05	1.4349E-05
42-Mo-113	42113.	0.	1.6820E-06	1.0765E-06
42-Mo-114	42114.	0.	8.2601E-08	5.2864E-08
42-Mo-115	42115.	0.	1.9192E-09	1.2283E-09
42-Mo-116	42116.	0.	1.2200E-10	7.8081E-11
42-Mo-117	42117.	0.	2.5360E-13	1.6231E-13
42-Mo-118	42118.	0.	4.2037E-14	2.6904E-14
43-Tc- 93	43093.	0.	0.0000E+00	0.0000E+00
43-Tc- 95	43095.	0.	0.0000E+00	0.0000E+00
43-Tc- 95-M	43095.	1.	0.0000E+00	0.0000E+00
43-Tc- 97-M	43097.	1.	0.0000E+00	0.0000E+00
43-Tc- 97	43097.	0.	0.0000E+00	0.0000E+00
43-Tc- 98	43098.	0.	2.2900E-13	1.4656E-13
43-Tc- 99	43099.	0.	6.1682E-02	8.6356E-04
43-Tc- 99-M	43099.	1.	5.4281E-02	7.5993E-04
43-Tc-100	43100.	0.	1.5600E-09	9.9841E-10
43-Tc-101	43101.	0.	6.2091E-02	1.7385E-03
43-Tc-102	43102.	0.	3.2244E-03	6.4487E-05
43-Tc-102-M	43102.	1.	6.4473E-02	1.2895E-03
43-Tc-103	43103.	0.	6.2753E-02	1.7571E-03
43-Tc-104	43104.	0.	5.0360E-02	1.0072E-03
43-Tc-105	43105.	0.	4.0509E-02	2.4306E-03
43-Tc-106	43106.	0.	2.4897E-02	6.9713E-04
43-Tc-107	43107.	0.	1.4459E-02	3.3255E-03
43-Tc-108	43108.	0.	6.0117E-03	1.9238E-03
43-Tc-109	43109.	0.	2.5133E-03	1.1310E-03
43-Tc-110	43110.	0.	1.4085E-03	9.0145E-04
43-Tc-111	43111.	0.	6.0156E-04	3.8500E-04
43-Tc-112	43112.	0.	2.5656E-04	1.6420E-04
43-Tc-113	43113.	0.	7.8000E-05	4.9920E-05
43-Tc-114	43114.	0.	1.3980E-05	8.9473E-06
43-Tc-115	43115.	0.	1.6792E-06	1.0747E-06
43-Tc-116	43116.	0.	2.3900E-07	1.5296E-07
43-Tc-117	43117.	0.	4.8819E-09	3.1244E-09
43-Tc-118	43118.	0.	7.4661E-10	4.7783E-10
43-Tc-119	43119.	0.	2.0345E-12	1.3021E-12
43-Tc-120	43120.	0.	7.1238E-14	4.5592E-14
43-Tc-121	43121.	0.	4.9962E-15	3.1975E-15
44-Ru- 95	44095.	0.	0.0000E+00	0.0000E+00

44-Ru- 96	44096.	0.	0.0000E+00	0.0000E+00
44-Ru- 97	44097.	0.	0.0000E+00	0.0000E+00
44-Ru- 98	44098.	0.	2.2900E-13	1.4656E-13
44-Ru- 99	44099.	0.	6.1682E-02	8.6356E-04
44-Ru-100	44100.	0.	1.5600E-09	9.9841E-10
44-Ru-101	44101.	0.	6.2091E-02	8.6927E-04
44-Ru-102	44102.	0.	6.4474E-02	6.4474E-04
44-Ru-103	44103.	0.	6.2753E-02	8.7854E-04
44-Ru-104	44104.	0.	5.0360E-02	5.0360E-04
44-Ru-105	44105.	0.	4.0513E-02	1.1344E-03
44-Ru-106	44106.	0.	2.4897E-02	3.4856E-04
44-Ru-107	44107.	0.	1.4459E-02	2.3134E-03
44-Ru-108	44108.	0.	6.0142E-03	1.9246E-03
44-Ru-109-M	44109.	1.	7.9001E-07	5.0560E-07
44-Ru-109	44109.	0.	2.5206E-03	1.6132E-03
44-Ru-110	44110.	0.	1.4076E-03	6.3342E-04
44-Ru-111	44111.	0.	7.1069E-04	3.1981E-04
44-Ru-112	44112.	0.	5.4093E-04	8.6549E-05
44-Ru-113	44113.	0.	3.8243E-04	2.4476E-04
44-Ru-114	44114.	0.	2.1937E-04	1.4040E-04
44-Ru-115	44115.	0.	9.8541E-05	6.3066E-05
44-Ru-116	44116.	0.	3.4550E-05	2.2112E-05
44-Ru-117	44117.	0.	5.4300E-06	3.4752E-06
44-Ru-118	44118.	0.	9.0001E-07	5.7600E-07
44-Ru-119	44119.	0.	4.9800E-08	3.1872E-08
44-Ru-120	44120.	0.	1.8900E-09	1.2096E-09
44-Ru-121	44121.	0.	1.2230E-10	7.8271E-11
44-Ru-122	44122.	0.	6.3000E-13	4.0320E-13
44-Ru-123	44123.	0.	1.3610E-14	8.7107E-15
44-Ru-124	44124.	0.	0.0000E+00	0.0000E+00
45-Rh- 99	45099.	0.	0.0000E+00	0.0000E+00
45-Rh-101	45101.	0.	0.0000E+00	0.0000E+00
45-Rh-101-M	45101.	1.	0.0000E+00	0.0000E+00
45-Rh-102	45102.	0.	0.0000E+00	0.0000E+00
45-Rh-102-M	45102.	1.	0.0000E+00	0.0000E+00
45-Rh-103	45103.	0.	6.2753E-02	8.7854E-04
45-Rh-103-M	45103.	1.	6.2126E-02	8.6976E-04
45-Rh-104	45104.	0.	7.4501E-12	4.7680E-12
45-Rh-104-M	45104.	1.	5.8200E-12	3.7248E-12
45-Rh-105	45105.	0.	4.0513E-02	8.1026E-04
45-Rh-105-M	45105.	1.	1.0939E-02	3.0628E-04
45-Rh-106	45106.	0.	2.4897E-02	3.4856E-04
45-Rh-106-M	45106.	1.	0.0000E+00	0.0000E+00
45-Rh-107	45107.	0.	1.4459E-02	1.5905E-03
45-Rh-108	45108.	0.	6.0142E-03	1.3833E-03
45-Rh-108-M	45108.	1.	1.8100E-14	1.1584E-14
45-Rh-109	45109.	0.	2.5214E-03	1.6137E-03
45-Rh-109-M	45109.	1.	1.2603E-03	8.0660E-04
45-Rh-110	45110.	0.	1.4076E-03	4.5044E-04
45-Rh-110-M	45110.	1.	1.7300E-11	1.1072E-11
45-Rh-111	45111.	0.	7.1215E-04	2.2789E-04
45-Rh-112	45112.	0.	5.5891E-04	4.4713E-05
45-Rh-113	45113.	0.	4.5943E-04	2.0674E-04
45-Rh-114	45114.	0.	3.7830E-04	2.4211E-04
45-Rh-115	45115.	0.	3.2195E-04	2.0605E-04
45-Rh-116	45116.	0.	2.3974E-04	1.5344E-04
45-Rh-117	45117.	0.	1.2042E-04	7.7069E-05
45-Rh-118	45118.	0.	5.2300E-05	3.3472E-05

45-Rh-119	45119.	0.	1.1230E-05	7.1873E-06
45-Rh-120	45120.	0.	1.4300E-06	9.1521E-07
45-Rh-121	45121.	0.	1.0700E-07	6.8480E-08
45-Rh-122	45122.	0.	6.1700E-09	3.9488E-09
45-Rh-123	45123.	0.	2.6200E-10	1.6768E-10
45-Rh-124	45124.	0.	5.6000E-12	3.5840E-12
45-Rh-125	45125.	0.	8.4565E-14	5.4121E-14
45-Rh-127	45127.	0.	0.0000E+00	0.0000E+00
46-Pd- 99	46099.	0.	0.0000E+00	0.0000E+00
46-Pd-101	46101.	0.	0.0000E+00	0.0000E+00
46-Pd-102	46102.	0.	0.0000E+00	0.0000E+00
46-Pd-103	46103.	0.	0.0000E+00	0.0000E+00
46-Pd-104	46104.	0.	7.4300E-12	3.3435E-12
46-Pd-105	46105.	0.	4.0513E-02	5.6718E-04
46-Pd-106	46106.	0.	2.4897E-02	3.4856E-04
46-Pd-107	46107.	0.	1.4459E-02	1.1567E-03
46-Pd-107-M	46107.	1.	0.0000E+00	0.0000E+00
46-Pd-108	46108.	0.	6.0142E-03	9.6228E-04
46-Pd-109	46109.	0.	2.5214E-03	1.6137E-03
46-Pd-109-M	46109.	1.	0.0000E+00	0.0000E+00
46-Pd-110	46110.	0.	1.4076E-03	2.2522E-04
46-Pd-111	46111.	0.	7.1127E-04	1.6359E-04
46-Pd-111-M	46111.	1.	3.0600E-06	9.7921E-07
46-Pd-112	46112.	0.	5.5901E-04	2.2361E-05
46-Pd-113	46113.	0.	4.6111E-04	1.4756E-04
46-Pd-114	46114.	0.	3.9252E-04	1.7664E-04
46-Pd-115	46115.	0.	3.7483E-04	1.6868E-04
46-Pd-116	46116.	0.	3.8784E-04	1.7453E-04
46-Pd-117	46117.	0.	3.4828E-04	2.2290E-04
46-Pd-118	46118.	0.	3.4019E-04	2.1772E-04
46-Pd-119	46119.	0.	1.9527E-04	1.2497E-04
46-Pd-120	46120.	0.	8.5331E-05	5.4612E-05
46-Pd-121	46121.	0.	2.0260E-05	1.2967E-05
46-Pd-122	46122.	0.	4.1700E-06	2.6688E-06
46-Pd-123	46123.	0.	5.3600E-07	3.4304E-07
46-Pd-124	46124.	0.	4.2600E-08	2.7264E-08
46-Pd-125	46125.	0.	2.0700E-09	1.3248E-09
46-Pd-126	46126.	0.	0.0000E+00	0.0000E+00
46-Pd-127	46127.	0.	6.7003E-19	4.2882E-19
46-Pd-128	46128.	0.	0.0000E+00	0.0000E+00
46-Pd-129	46129.	0.	0.0000E+00	0.0000E+00
46-Pd-130	46130.	0.	0.0000E+00	0.0000E+00
46-Pd-131	46131.	0.	0.0000E+00	0.0000E+00
47-Ag-103	47103.	0.	0.0000E+00	0.0000E+00
47-Ag-105	47105.	0.	0.0000E+00	0.0000E+00
47-Ag-105-M	47105.	1.	0.0000E+00	0.0000E+00
47-Ag-106	47106.	0.	0.0000E+00	0.0000E+00
47-Ag-106-M	47106.	1.	0.0000E+00	0.0000E+00
47-Ag-107	47107.	0.	1.4459E-02	1.1567E-03
47-Ag-107-M	47107.	1.	0.0000E+00	0.0000E+00
47-Ag-108-M	47108.	1.	0.0000E+00	0.0000E+00
47-Ag-108	47108.	0.	0.0000E+00	0.0000E+00
47-Ag-109-M	47109.	1.	2.5202E-03	1.6129E-03
47-Ag-109	47109.	0.	2.5214E-03	1.6137E-03
47-Ag-110	47110.	0.	0.0000E+00	0.0000E+00
47-Ag-110-M	47110.	1.	0.0000E+00	0.0000E+00
47-Ag-111	47111.	0.	7.1003E-04	1.4201E-05
47-Ag-111-M	47111.	1.	7.0695E-04	5.6556E-05

47-Ag-112	47112.	0.	5.5901E-04	2.2361E-05
47-Ag-113	47113.	0.	4.1500E-04	9.5451E-05
47-Ag-113-M	47113.	1.	4.6110E-05	2.0750E-05
47-Ag-114	47114.	0.	3.9257E-04	1.2562E-04
47-Ag-115	47115.	0.	2.7395E-04	8.7665E-05
47-Ag-115-M	47115.	1.	1.0153E-04	4.5689E-05
47-Ag-116	47116.	0.	1.9656E-04	8.8453E-05
47-Ag-116-M	47116.	1.	1.9656E-04	8.8453E-05
47-Ag-117	47117.	0.	1.8851E-04	1.2065E-04
47-Ag-117-M	47117.	1.	1.8851E-04	1.2065E-04
47-Ag-118	47118.	0.	3.1309E-04	2.0038E-04
47-Ag-118-M	47118.	1.	2.1445E-04	1.3725E-04
47-Ag-119	47119.	0.	3.7882E-04	1.7047E-04
47-Ag-120-M	47120.	1.	1.1293E-04	7.2276E-05
47-Ag-120	47120.	0.	2.4005E-04	1.5363E-04
47-Ag-121	47121.	0.	1.9958E-04	1.2773E-04
47-Ag-122-M	47122.	1.	5.0775E-05	3.2496E-05
47-Ag-122	47122.	0.	5.4945E-05	3.5165E-05
47-Ag-123	47123.	0.	4.3530E-05	2.7859E-05
47-Ag-124	47124.	0.	1.0280E-05	6.5792E-06
47-Ag-125	47125.	0.	1.7500E-06	1.1200E-06
47-Ag-126	47126.	0.	9.4401E-11	6.0416E-11
47-Ag-127	47127.	0.	1.1900E-11	7.6161E-12
47-Ag-128	47128.	0.	7.1001E-13	4.5440E-13
47-Ag-129	47129.	0.	2.1165E-14	1.3546E-14
47-Ag-130	47130.	0.	0.0000E+00	0.0000E+00
47-Ag-131	47131.	0.	1.2929E-16	8.2747E-17
47-Ag-132	47132.	0.	6.8599E-11	4.3903E-11
47-Ag-133	47133.	0.	3.4544E-12	2.2108E-12
48-Cd-105	48105.	0.	0.0000E+00	0.0000E+00
48-Cd-106	48106.	0.	0.0000E+00	0.0000E+00
48-Cd-107	48107.	0.	0.0000E+00	0.0000E+00
48-Cd-108	48108.	0.	0.0000E+00	0.0000E+00
48-Cd-109	48109.	0.	0.0000E+00	0.0000E+00
48-Cd-110	48110.	0.	0.0000E+00	0.0000E+00
48-Cd-111	48111.	0.	7.1215E-04	1.4243E-05
48-Cd-111-M	48111.	1.	0.0000E+00	0.0000E+00
48-Cd-112	48112.	0.	5.5901E-04	2.2361E-05
48-Cd-113	48113.	0.	4.5572E-04	5.0129E-05
48-Cd-113-M	48113.	1.	5.3900E-06	8.6241E-07
48-Cd-114	48114.	0.	3.9257E-04	6.2812E-05
48-Cd-115	48115.	0.	3.4437E-04	6.8874E-06
48-Cd-115-M	48115.	1.	3.1100E-05	1.8660E-06
48-Cd-116	48116.	0.	3.9314E-04	4.3246E-05
48-Cd-117	48117.	0.	2.8283E-04	1.2727E-04
48-Cd-117-M	48117.	1.	9.4481E-05	4.2516E-05
48-Cd-118	48118.	0.	4.3176E-04	9.9305E-05
48-Cd-119	48119.	0.	1.9856E-04	8.9353E-05
48-Cd-119-M	48119.	1.	1.9856E-04	8.9353E-05
48-Cd-120	48120.	0.	3.8601E-04	1.7371E-04
48-Cd-121-M	48121.	1.	8.0411E-05	5.1463E-05
48-Cd-121	48121.	0.	2.8018E-04	1.7932E-04
48-Cd-122	48122.	0.	3.7203E-04	1.6741E-04
48-Cd-123	48123.	0.	3.2356E-04	2.0708E-04
48-Cd-124	48124.	0.	2.1960E-04	1.4055E-04
48-Cd-125	48125.	0.	9.9501E-05	6.3680E-05
48-Cd-126	48126.	0.	8.1301E-06	5.2032E-06
48-Cd-127	48127.	0.	4.1200E-06	2.6368E-06

48-Cd-128	48128.	0.	1.2800E-06	8.1921E-07
48-Cd-129	48129.	0.	4.7800E-07	3.0592E-07
48-Cd-130	48130.	0.	5.5700E-08	3.5648E-08
48-Cd-131	48131.	0.	2.9200E-09	1.8688E-09
48-Cd-132	48132.	0.	1.8200E-06	1.1648E-06
48-Cd-133	48133.	0.	8.4557E-08	5.4117E-08
48-Cd-134	48134.	0.	9.3701E-10	5.9968E-10
48-Cd-135	48135.	0.	8.8865E-12	5.6873E-12
48-Cd-136	48136.	0.	3.3700E-14	2.1568E-14
49-In-107	49107.	0.	0.0000E+00	0.0000E+00
49-In-109	49109.	0.	0.0000E+00	0.0000E+00
49-In-111	49111.	0.	0.0000E+00	0.0000E+00
49-In-112	49112.	0.	0.0000E+00	0.0000E+00
49-In-112-M	49112.	1.	0.0000E+00	0.0000E+00
49-In-113	49113.	0.	4.6111E-04	5.0722E-05
49-In-113-M	49113.	1.	0.0000E+00	0.0000E+00
49-In-114	49114.	0.	0.0000E+00	0.0000E+00
49-In-114-M	49114.	1.	0.0000E+00	0.0000E+00
49-In-115	49115.	0.	3.6273E-04	7.2546E-06
49-In-115-M	49115.	1.	3.4438E-04	6.8876E-06
49-In-116-N	49116.	2.	4.7667E-13	3.0507E-13
49-In-116	49116.	0.	4.7667E-13	3.0507E-13
49-In-116-M	49116.	1.	9.5334E-13	6.1014E-13
49-In-117	49117.	0.	2.3891E-04	7.6452E-05
49-In-117-M	49117.	1.	2.6115E-04	8.3568E-05
49-In-118-N	49118.	2.	2.9900E-10	1.9136E-10
49-In-118	49118.	0.	4.3176E-04	9.9305E-05
49-In-118-M	49118.	1.	5.9352E-10	3.7985E-10
49-In-119	49119.	0.	2.0855E-04	9.3848E-05
49-In-119-M	49119.	1.	1.9857E-04	8.9357E-05
49-In-120-N	49120.	2.	0.0000E+00	0.0000E+00
49-In-120	49120.	0.	1.9356E-04	8.7103E-05
49-In-120-M	49120.	1.	1.9356E-04	8.7103E-05
49-In-121	49121.	0.	9.0960E-05	5.8215E-05
49-In-121-M	49121.	1.	2.8165E-04	1.8026E-04
49-In-122-N	49122.	2.	0.0000E+00	0.0000E+00
49-In-122	49122.	0.	3.9112E-04	8.9958E-05
49-In-122-M	49122.	1.	1.9080E-05	1.2211E-05
49-In-123	49123.	0.	3.4648E-04	2.2175E-04
49-In-123-M	49123.	1.	9.4361E-05	6.0391E-05
49-In-124-M	49124.	1.	1.0899E-04	6.9751E-05
49-In-124	49124.	0.	3.2860E-04	2.1030E-04
49-In-125	49125.	0.	2.1590E-04	1.3818E-04
49-In-125-M	49125.	1.	1.7610E-04	1.1270E-04
49-In-126-M	49126.	1.	1.9202E-04	1.2289E-04
49-In-126	49126.	0.	1.8388E-04	1.1768E-04
49-In-127	49127.	0.	3.4622E-04	2.2158E-04
49-In-127-M	49127.	1.	3.4622E-04	2.2158E-04
49-In-128-M	49128.	1.	3.9153E-04	2.5058E-04
49-In-128	49128.	0.	3.9281E-04	2.5140E-04
49-In-129	49129.	0.	6.7467E-04	4.3179E-04
49-In-129-M	49129.	1.	6.7419E-04	4.3148E-04
49-In-130-N	49130.	2.	0.0000E+00	0.0000E+00
49-In-130-M	49130.	1.	0.0000E+00	0.0000E+00
49-In-130	49130.	0.	7.5072E-04	4.8046E-04
49-In-131-M	49131.	1.	0.0000E+00	0.0000E+00
49-In-131	49131.	0.	2.6808E-04	1.7157E-04
49-In-132	49132.	0.	6.4729E-04	4.1427E-04

49-In-133	49133.	0.	7.3980E-05	4.7348E-05
49-In-134	49134.	0.	4.9200E-06	3.1488E-06
49-In-135	49135.	0.	1.7106E-07	1.0948E-07
49-In-136	49136.	0.	2.7000E-09	1.7280E-09
49-In-137	49137.	0.	2.5860E-11	1.6550E-11
49-In-138	49138.	0.	8.3299E-13	5.3311E-13
50-Sn-111	50111.	0.	0.0000E+00	0.0000E+00
50-Sn-112	50112.	0.	0.0000E+00	0.0000E+00
50-Sn-113-M	50113.	1.	0.0000E+00	0.0000E+00
50-Sn-113	50113.	0.	0.0000E+00	0.0000E+00
50-Sn-114	50114.	0.	0.0000E+00	0.0000E+00
50-Sn-115	50115.	0.	3.7548E-04	7.5097E-06
50-Sn-116	50116.	0.	1.4300E-12	6.4350E-13
50-Sn-117-M	50117.	1.	7.6452E-07	4.8929E-07
50-Sn-117	50117.	0.	3.7732E-04	2.4149E-04
50-Sn-118	50118.	0.	4.3176E-04	4.7494E-05
50-Sn-119	50119.	0.	3.9720E-04	4.3692E-05
50-Sn-119-M	50119.	1.	1.0430E-05	4.6935E-06
50-Sn-120	50120.	0.	3.8713E-04	4.2585E-05
50-Sn-121	50121.	0.	3.6696E-04	2.3485E-04
50-Sn-121-M	50121.	1.	1.0303E-05	6.5942E-06
50-Sn-122	50122.	0.	4.1073E-04	4.5181E-05
50-Sn-123	50123.	0.	3.3300E-06	2.1312E-06
50-Sn-123-M	50123.	1.	4.4201E-04	1.4144E-04
50-Sn-124	50124.	0.	4.6448E-04	5.1093E-05
50-Sn-125	50125.	0.	2.6387E-04	1.5832E-05
50-Sn-125-M	50125.	1.	2.1984E-04	7.0349E-05
50-Sn-126	50126.	0.	5.4072E-04	4.3258E-05
50-Sn-127	50127.	0.	1.0142E-03	4.5639E-04
50-Sn-127-M	50127.	1.	3.4624E-04	2.2159E-04
50-Sn-128-M	50128.	1.	1.0179E-03	6.5148E-04
50-Sn-128	50128.	0.	2.8395E-03	1.8173E-03
50-Sn-129	50129.	0.	7.5800E-03	2.4256E-03
50-Sn-129-M	50129.	1.	2.2094E-03	1.4140E-03
50-Sn-130-M	50130.	1.	8.4509E-03	5.4086E-03
50-Sn-130	50130.	0.	8.7633E-03	5.6085E-03
50-Sn-131-M	50131.	1.	1.1447E-02	7.3260E-03
50-Sn-131	50131.	0.	1.1718E-02	7.4998E-03
50-Sn-132	50132.	0.	1.9462E-02	4.4763E-03
50-Sn-133	50133.	0.	6.8001E-03	3.0600E-03
50-Sn-134	50134.	0.	1.8260E-03	1.1686E-03
50-Sn-135	50135.	0.	1.9027E-04	1.2177E-04
50-Sn-136	50136.	0.	1.4180E-05	9.0753E-06
50-Sn-137	50137.	0.	6.3300E-07	4.0512E-07
50-Sn-138	50138.	0.	2.2100E-08	1.4144E-08
50-Sn-139	50139.	0.	1.6312E-10	1.0439E-10
50-Sn-140	50140.	0.	8.6890E-12	5.5610E-12
50-Sn-141	50141.	0.	2.5887E-12	1.6568E-12
51-Sb-113	51113.	0.	0.0000E+00	0.0000E+00
51-Sb-115	51115.	0.	0.0000E+00	0.0000E+00
51-Sb-117	51117.	0.	0.0000E+00	0.0000E+00
51-Sb-118	51118.	0.	0.0000E+00	0.0000E+00
51-Sb-118-M	51118.	1.	0.0000E+00	0.0000E+00
51-Sb-119	51119.	0.	0.0000E+00	0.0000E+00
51-Sb-120	51120.	0.	1.6600E-14	1.0624E-14
51-Sb-120-M	51120.	1.	2.8300E-14	1.8112E-14
51-Sb-121	51121.	0.	3.6927E-04	2.9542E-05
51-Sb-122	51122.	0.	2.4000E-10	1.5360E-10

51-Sb-122-M	51122.	1.	1.3700E-10	8.7681E-11
51-Sb-123	51123.	0.	4.4534E-04	7.1255E-05
51-Sb-124-N	51124.	2.	0.0000E+00	0.0000E+00
51-Sb-124	51124.	0.	1.3400E-07	8.5761E-08
51-Sb-124-M	51124.	1.	6.6800E-08	4.2752E-08
51-Sb-125	51125.	0.	4.8524E-04	3.8819E-05
51-Sb-126-N	51126.	2.	3.6233E-04	2.3189E-04
51-Sb-126	51126.	0.	7.5781E-05	6.0624E-06
51-Sb-126-M	51126.	1.	5.4082E-04	4.3266E-05
51-Sb-127	51127.	0.	1.3625E-03	8.1748E-05
51-Sb-128	51128.	0.	1.1167E-04	7.1467E-05
51-Sb-128-M	51128.	1.	2.8519E-03	1.8252E-03
51-Sb-129	51129.	0.	1.0113E-02	1.6182E-03
51-Sb-130	51130.	0.	9.2581E-03	5.9252E-03
51-Sb-130-M	51130.	1.	9.8780E-03	6.3219E-03
51-Sb-131	51131.	0.	3.2540E-02	1.3016E-03
51-Sb-132	51132.	0.	2.4095E-02	3.8552E-03
51-Sb-132-M	51132.	1.	2.2469E-02	3.5950E-03
51-Sb-133	51133.	0.	3.8083E-02	3.0466E-03
51-Sb-134-M	51134.	1.	1.2805E-02	8.1953E-03
51-Sb-134	51134.	0.	1.4297E-02	9.1501E-03
51-Sb-135	51135.	0.	1.0395E-02	2.3908E-03
51-Sb-136	51136.	0.	2.4004E-03	1.5363E-03
51-Sb-137	51137.	0.	3.8369E-04	2.4556E-04
51-Sb-138	51138.	0.	4.0590E-05	2.5978E-05
51-Sb-139	51139.	0.	3.1400E-06	2.0096E-06
51-Sb-140	51140.	0.	1.5432E-07	9.8768E-08
51-Sb-141	51141.	0.	4.9832E-08	3.1893E-08
51-Sb-142	51142.	0.	3.4940E-11	2.2362E-11
51-Sb-143	51143.	0.	3.4924E-12	2.2351E-12
52-Te-115	52115.	0.	0.0000E+00	0.0000E+00
52-Te-117	52117.	0.	0.0000E+00	0.0000E+00
52-Te-118	52118.	0.	0.0000E+00	0.0000E+00
52-Te-119	52119.	0.	0.0000E+00	0.0000E+00
52-Te-120	52120.	0.	0.0000E+00	0.0000E+00
52-Te-121-M	52121.	1.	0.0000E+00	0.0000E+00
52-Te-121	52121.	0.	0.0000E+00	0.0000E+00
52-Te-122	52122.	0.	2.3300E-10	1.4912E-10
52-Te-123	52123.	0.	7.0100E-13	4.4864E-13
52-Te-123-M	52123.	1.	5.5400E-13	3.5456E-13
52-Te-124	52124.	0.	1.3400E-07	8.5761E-08
52-Te-125	52125.	0.	4.8524E-04	2.9115E-05
52-Te-125-M	52125.	1.	1.0918E-04	8.7345E-06
52-Te-126	52126.	0.	5.4089E-04	3.2454E-05
52-Te-127	52127.	0.	1.3572E-03	8.1434E-05
52-Te-127-M	52127.	1.	2.1799E-04	1.3079E-05
52-Te-128	52128.	0.	2.8609E-03	1.7165E-04
52-Te-129	52129.	0.	9.5023E-03	1.0453E-03
52-Te-129-M	52129.	1.	1.6788E-03	1.8467E-04
52-Te-130	52130.	0.	1.9137E-02	1.1482E-03
52-Te-131	52131.	0.	3.0741E-02	8.6075E-04
52-Te-131-M	52131.	1.	2.6426E-03	4.2282E-04
52-Te-132	52132.	0.	5.1276E-02	7.1787E-04
52-Te-133	52133.	0.	3.4728E-02	7.9875E-03
52-Te-133-M	52133.	1.	3.5606E-02	8.1893E-03
52-Te-134	52134.	0.	6.8497E-02	1.9179E-03
52-Te-135	52135.	0.	5.5439E-02	1.2751E-02
52-Te-136	52136.	0.	3.7029E-02	8.5167E-03

52-Te-137	52137.	0.	1.5992E-02	3.6782E-03
52-Te-138	52138.	0.	5.5417E-03	2.4937E-03
52-Te-139	52139.	0.	1.2121E-03	7.7577E-04
52-Te-140	52140.	0.	1.8603E-04	1.1906E-04
52-Te-141	52141.	0.	5.5427E-05	3.5473E-05
52-Te-142	52142.	0.	9.2701E-07	5.9328E-07
52-Te-143	52143.	0.	8.5488E-08	5.4713E-08
52-Te-144	52144.	0.	5.7288E-11	3.6665E-11
52-Te-145	52145.	0.	6.0781E-12	3.8900E-12
52-Te-146	52146.	0.	4.3672E-13	2.7950E-13
53-I -121	53121.	0.	0.0000E+00	0.0000E+00
53-I -123	53123.	0.	0.0000E+00	0.0000E+00
53-I -125	53125.	0.	9.9801E-14	6.3872E-14
53-I -126	53126.	0.	0.0000E+00	0.0000E+00
53-I -127	53127.	0.	1.3625E-03	5.4499E-05
53-I -128	53128.	0.	0.0000E+00	0.0000E+00
53-I -129	53129.	0.	1.0113E-02	8.0908E-04
53-I -130	53130.	0.	4.0600E-14	2.5984E-14
53-I -130-M	53130.	1.	1.1400E-14	7.2960E-15
53-I -131	53131.	0.	3.2908E-02	4.6071E-04
53-I -132-M	53132.	1.	9.9396E-05	6.3613E-05
53-I -132	53132.	0.	5.1462E-02	3.2936E-02
53-I -133-M	53133.	1.	9.4447E-04	6.0446E-04
53-I -133	53133.	0.	6.7594E-02	4.3260E-02
53-I -134	53134.	0.	7.6005E-02	4.5603E-03
53-I -134-M	53134.	1.	3.1801E-03	2.0352E-03
53-I -135	53135.	0.	6.9407E-02	9.7170E-04
53-I -136	53136.	0.	4.9895E-02	5.4885E-03
53-I -136-M	53136.	1.	1.3879E-02	3.1920E-03
53-I -137	53137.	0.	5.1250E-02	4.1000E-03
53-I -138	53138.	0.	3.6455E-02	8.3847E-03
53-I -139	53139.	0.	2.1672E-02	4.9845E-03
53-I -140	53140.	0.	8.8797E-03	3.9959E-03
53-I -141	53141.	0.	2.5704E-03	1.6451E-03
53-I -142	53142.	0.	4.1978E-04	2.6866E-04
53-I -143	53143.	0.	7.4795E-05	4.7869E-05
53-I -144	53144.	0.	1.0175E-06	6.5119E-07
53-I -145	53145.	0.	1.1700E-07	7.4883E-08
53-I -146	53146.	0.	7.7564E-09	4.9641E-09
53-I -147	53147.	0.	6.7229E-12	4.3026E-12
53-I -148	53148.	0.	6.8599E-13	4.3904E-13
54-Xe-124	54124.	0.	0.0000E+00	0.0000E+00
54-Xe-125-M	54125.	1.	0.0000E+00	0.0000E+00
54-Xe-125	54125.	0.	0.0000E+00	0.0000E+00
54-Xe-126	54126.	0.	0.0000E+00	0.0000E+00
54-Xe-127-M	54127.	1.	0.0000E+00	0.0000E+00
54-Xe-127	54127.	0.	0.0000E+00	0.0000E+00
54-Xe-128	54128.	0.	0.0000E+00	0.0000E+00
54-Xe-129-M	54129.	1.	0.0000E+00	0.0000E+00
54-Xe-129	54129.	0.	1.0113E-02	6.4726E-03
54-Xe-130	54130.	0.	4.2400E-14	2.7136E-14
54-Xe-131	54131.	0.	3.2908E-02	3.2908E-04
54-Xe-131-M	54131.	1.	4.6071E-04	6.4500E-06
54-Xe-132	54132.	0.	5.1475E-02	7.2065E-04
54-Xe-133	54133.	0.	6.7610E-02	4.3271E-02
54-Xe-133-M	54133.	1.	1.9589E-03	1.2537E-03
54-Xe-134	54134.	0.	7.6095E-02	2.1306E-03
54-Xe-134-M	54134.	1.	8.2630E-05	5.2884E-05

54-Xe-135	54135.	0.	6.9676E-02	6.9676E-04
54-Xe-135-M	54135.	1.	1.0360E-02	2.9008E-04
54-Xe-136	54136.	0.	6.9789E-02	1.3958E-03
54-Xe-137	54137.	0.	6.0413E-02	1.2083E-03
54-Xe-138	54138.	0.	5.7020E-02	1.5965E-03
54-Xe-139	54139.	0.	5.3201E-02	3.1921E-03
54-Xe-140	54140.	0.	4.8978E-02	2.9387E-03
54-Xe-141	54141.	0.	3.1908E-02	1.9145E-03
54-Xe-142	54142.	0.	1.5635E-02	3.5962E-03
54-Xe-143-M	54143.	1.	2.1572E-03	1.3806E-03
54-Xe-143	54143.	0.	2.2321E-03	1.4285E-03
54-Xe-144	54144.	0.	1.2265E-03	1.3492E-04
54-Xe-145	54145.	0.	1.3014E-04	8.3290E-05
54-Xe-146	54146.	0.	9.3501E-06	5.9840E-06
54-Xe-147	54147.	0.	1.6457E-07	1.0532E-07
54-Xe-148	54148.	0.	1.8200E-08	1.1648E-08
54-Xe-149	54149.	0.	2.2083E-11	1.4133E-11
54-Xe-150	54150.	0.	2.8900E-12	1.8496E-12
54-Xe-151	54151.	0.	4.5130E-13	2.8883E-13
55-Cs-127	55127.	0.	0.0000E+00	0.0000E+00
55-Cs-129	55129.	0.	0.0000E+00	0.0000E+00
55-Cs-131	55131.	0.	0.0000E+00	0.0000E+00
55-Cs-132	55132.	0.	2.8500E-13	1.8240E-13
55-Cs-133	55133.	0.	6.7610E-02	3.3805E-04
55-Cs-134-M	55134.	1.	3.2300E-09	2.0672E-09
55-Cs-134	55134.	0.	6.4600E-09	4.1344E-09
55-Cs-135-M	55135.	1.	1.8550E-07	1.1872E-07
55-Cs-135	55135.	0.	6.9676E-02	4.4593E-02
55-Cs-136-M	55136.	1.	4.8000E-06	3.0720E-06
55-Cs-136	55136.	0.	9.6001E-06	6.1440E-06
55-Cs-137	55137.	0.	6.0525E-02	6.0525E-04
55-Cs-138	55138.	0.	5.7547E-02	1.6113E-03
55-Cs-138-M	55138.	1.	3.0166E-04	1.9306E-04
55-Cs-139	55139.	0.	5.6674E-02	4.5339E-03
55-Cs-140	55140.	0.	5.7862E-02	1.1572E-03
55-Cs-141	55141.	0.	5.1091E-02	5.6200E-03
55-Cs-142	55142.	0.	3.8504E-02	6.1607E-03
55-Cs-143	55143.	0.	2.8216E-02	6.4896E-03
55-Cs-144	55144.	0.	1.8596E-02	4.2770E-03
55-Cs-145	55145.	0.	5.6863E-03	3.6392E-03
55-Cs-146	55146.	0.	1.1804E-03	7.5545E-04
55-Cs-147	55147.	0.	1.4398E-04	9.2148E-05
55-Cs-148	55148.	0.	2.4570E-05	1.5725E-05
55-Cs-149	55149.	0.	4.2510E-07	2.7206E-07
55-Cs-150	55150.	0.	4.8100E-08	3.0784E-08
55-Cs-151	55151.	0.	8.6876E-09	5.5601E-09
55-Cs-152	55152.	0.	5.6538E-12	3.6184E-12
55-Cs-153	55153.	0.	3.0350E-13	1.9424E-13
56-Ba-129	56129.	0.	0.0000E+00	0.0000E+00
56-Ba-131	56131.	0.	0.0000E+00	0.0000E+00
56-Ba-132	56132.	0.	0.0000E+00	0.0000E+00
56-Ba-133	56133.	0.	0.0000E+00	0.0000E+00
56-Ba-134	56134.	0.	6.4600E-09	4.1344E-09
56-Ba-135-M	56135.	1.	1.1300E-11	7.2321E-12
56-Ba-135	56135.	0.	6.9676E-02	4.4593E-02
56-Ba-136-M	56136.	1.	1.0767E-06	6.8908E-07
56-Ba-136	56136.	0.	9.6001E-06	6.1440E-06
56-Ba-137	56137.	0.	6.0525E-02	4.2368E-04

56-Ba-137-M	56137.	1.	5.7257E-02	5.7257E-04
56-Ba-138	56138.	0.	5.7625E-02	8.0675E-04
56-Ba-139	56139.	0.	5.6702E-02	1.1340E-03
56-Ba-140	56140.	0.	5.8152E-02	4.0707E-04
56-Ba-141	56141.	0.	5.3361E-02	3.2017E-03
56-Ba-142	56142.	0.	4.5805E-02	1.8322E-03
56-Ba-143	56143.	0.	4.5772E-02	2.7463E-03
56-Ba-144	56144.	0.	4.3352E-02	4.7687E-03
56-Ba-145	56145.	0.	3.0874E-02	7.1010E-03
56-Ba-146	56146.	0.	2.0870E-02	4.8000E-03
56-Ba-147	56147.	0.	8.4494E-03	3.8022E-03
56-Ba-148	56148.	0.	2.5151E-03	1.6097E-03
56-Ba-149	56149.	0.	4.7282E-04	3.0261E-04
56-Ba-150	56150.	0.	5.4370E-05	3.4797E-05
56-Ba-151	56151.	0.	9.6630E-06	6.1843E-06
56-Ba-152	56152.	0.	1.5000E-07	9.6001E-08
56-Ba-153	56153.	0.	7.4293E-09	4.7548E-09
56-Ba-154	56154.	0.	7.1101E-11	4.5504E-11
56-Ba-155	56155.	0.	3.9559E-13	2.5318E-13
56-Ba-156	56156.	0.	2.5456E-14	1.6292E-14
57-La-133	57133.	0.	0.0000E+00	0.0000E+00
57-La-135	57135.	0.	0.0000E+00	0.0000E+00
57-La-137	57137.	0.	2.4500E-12	1.5680E-12
57-La-138	57138.	0.	1.7600E-10	1.1264E-10
57-La-139	57139.	0.	5.6702E-02	5.6702E-04
57-La-140	57140.	0.	5.8153E-02	4.0707E-04
57-La-141	57141.	0.	5.3365E-02	2.1346E-03
57-La-142	57142.	0.	4.5858E-02	9.1716E-04
57-La-143	57143.	0.	4.6220E-02	1.2942E-03
57-La-144	57144.	0.	4.5465E-02	1.2730E-03
57-La-145	57145.	0.	3.7963E-02	2.2778E-03
57-La-146-M	57146.	1.	6.3571E-03	4.0685E-03
57-La-146	57146.	0.	2.7227E-02	1.7425E-02
57-La-147	57147.	0.	2.3259E-02	3.7214E-03
57-La-148	57148.	0.	1.3417E-02	6.0374E-03
57-La-149	57149.	0.	7.1167E-03	3.2025E-03
57-La-150	57150.	0.	2.1882E-03	1.4004E-03
57-La-151	57151.	0.	4.4811E-04	2.8679E-04
57-La-152	57152.	0.	5.8280E-05	3.7299E-05
57-La-153	57153.	0.	6.5000E-06	4.1600E-06
57-La-154	57154.	0.	2.8300E-07	1.8112E-07
57-La-155	57155.	0.	7.6151E-09	4.8736E-09
57-La-156	57156.	0.	4.5211E-10	2.8935E-10
57-La-157	57157.	0.	8.9467E-13	5.7259E-13
57-La-158	57158.	0.	1.8771E-14	1.2013E-14
57-La-159	57159.	0.	1.0179E-15	6.5146E-16
58-Ce-135	58135.	0.	0.0000E+00	0.0000E+00
58-Ce-137	58137.	0.	0.0000E+00	0.0000E+00
58-Ce-138	58138.	0.	5.2900E-11	3.3856E-11
58-Ce-139	58139.	0.	1.3800E-13	8.8321E-14
58-Ce-139-M	58139.	1.	1.0200E-13	6.5280E-14
58-Ce-140	58140.	0.	5.8153E-02	4.0707E-04
58-Ce-141	58141.	0.	5.3365E-02	1.4942E-03
58-Ce-142	58142.	0.	4.5858E-02	4.5858E-04
58-Ce-143	58143.	0.	4.6221E-02	6.4709E-04
58-Ce-144	58144.	0.	4.5480E-02	6.3672E-04
58-Ce-145	58145.	0.	3.8090E-02	1.0665E-03
58-Ce-146	58146.	0.	3.4454E-02	9.6472E-04

58-Ce-147	58147.	0.	2.5903E-02	1.5542E-03
58-Ce-148	58148.	0.	2.0950E-02	5.8659E-04
58-Ce-149	58149.	0.	1.5478E-02	2.4764E-03
58-Ce-150	58150.	0.	1.0784E-02	2.4803E-03
58-Ce-151	58151.	0.	5.0076E-03	3.2048E-03
58-Ce-152	58152.	0.	1.9029E-03	1.2178E-03
58-Ce-153	58153.	0.	5.6418E-04	3.6108E-04
58-Ce-154	58154.	0.	8.0301E-05	5.1392E-05
58-Ce-155	58155.	0.	8.4700E-06	5.4208E-06
58-Ce-156	58156.	0.	5.4500E-07	3.4880E-07
58-Ce-157	58157.	0.	2.1900E-08	1.4016E-08
58-Ce-158	58158.	0.	4.9800E-10	3.1872E-10
58-Ce-159	58159.	0.	2.4917E-11	1.5947E-11
58-Ce-160	58160.	0.	6.0600E-14	3.8784E-14
58-Ce-161	58161.	0.	8.1266E-16	5.2010E-16
59-Pr-139	59139.	0.	0.0000E+00	0.0000E+00
59-Pr-140	59140.	0.	0.0000E+00	0.0000E+00
59-Pr-141	59141.	0.	5.3365E-02	1.0673E-03
59-Pr-142-M	59142.	1.	3.7300E-13	2.3872E-13
59-Pr-142	59142.	0.	7.4600E-13	4.7744E-13
59-Pr-143	59143.	0.	4.6221E-02	4.6221E-04
59-Pr-144	59144.	0.	4.5480E-02	4.5480E-04
59-Pr-144-M	59144.	1.	2.2740E-04	3.1836E-06
59-Pr-145	59145.	0.	3.8090E-02	5.3326E-04
59-Pr-146	59146.	0.	3.4456E-02	4.8239E-04
59-Pr-147	59147.	0.	2.5927E-02	7.2597E-04
59-Pr-148-M	59148.	1.	8.7511E-05	5.6007E-05
59-Pr-148	59148.	0.	2.1037E-02	1.3464E-02
59-Pr-149	59149.	0.	1.6248E-02	1.2998E-03
59-Pr-150	59150.	0.	1.2692E-02	2.5384E-04
59-Pr-151	59151.	0.	7.8151E-03	6.2521E-04
59-Pr-152	59152.	0.	4.7607E-03	1.0950E-03
59-Pr-153	59153.	0.	3.0056E-03	1.3525E-03
59-Pr-154	59154.	0.	9.6206E-04	6.1572E-04
59-Pr-155	59155.	0.	3.0496E-04	1.9518E-04
59-Pr-156	59156.	0.	5.3020E-05	3.3933E-05
59-Pr-157	59157.	0.	7.0700E-06	4.5248E-06
59-Pr-158	59158.	0.	4.6600E-07	2.9824E-07
59-Pr-159	59159.	0.	2.1800E-08	1.3952E-08
59-Pr-160	59160.	0.	5.7600E-10	3.6864E-10
59-Pr-161	59161.	0.	1.5644E-11	1.0012E-11
59-Pr-162	59162.	0.	1.6697E-14	1.0686E-14
59-Pr-163	59163.	0.	6.3730E-16	4.0787E-16
59-Pr-164	59164.	0.	1.4625E-17	9.3597E-18
60-Nd-140	60140.	0.	0.0000E+00	0.0000E+00
60-Nd-141	60141.	0.	0.0000E+00	0.0000E+00
60-Nd-142	60142.	0.	7.4600E-13	4.7744E-13
60-Nd-143	60143.	0.	4.6221E-02	3.2355E-04
60-Nd-144	60144.	0.	4.5480E-02	3.1836E-04
60-Nd-145	60145.	0.	3.8090E-02	2.6663E-04
60-Nd-146	60146.	0.	3.4456E-02	2.4120E-04
60-Nd-147	60147.	0.	2.5927E-02	3.6298E-04
60-Nd-148	60148.	0.	2.1125E-02	1.4788E-04
60-Nd-149	60149.	0.	1.6253E-02	6.5012E-04
60-Nd-150	60150.	0.	1.2735E-02	1.2735E-04
60-Nd-151	60151.	0.	7.9935E-03	3.1974E-04
60-Nd-152	60152.	0.	5.2980E-03	2.1192E-04
60-Nd-153	60153.	0.	4.1193E-03	3.2954E-04

60-Nd-154	60154.	0.	2.0873E-03	1.6698E-04
60-Nd-155	60155.	0.	1.2267E-03	7.8511E-04
60-Nd-156	60156.	0.	5.2176E-04	3.3393E-04
60-Nd-157	60157.	0.	1.6796E-04	1.0749E-04
60-Nd-158	60158.	0.	3.3920E-05	2.1709E-05
60-Nd-159	60159.	0.	4.3900E-06	2.8096E-06
60-Nd-160	60160.	0.	3.7700E-07	2.4128E-07
60-Nd-161	60161.	0.	1.7400E-08	1.1136E-08
60-Nd-162	60162.	0.	4.4300E-10	2.8352E-10
60-Nd-163	60163.	0.	1.5600E-11	9.9841E-12
60-Nd-164	60164.	0.	3.8800E-13	2.4832E-13
60-Nd-165	60165.	0.	1.8390E-15	1.1769E-15
60-Nd-166	60166.	0.	8.1739E-17	5.2313E-17
60-Nd-167	60167.	0.	6.1650E-18	3.9456E-18
61-Pm-141	61141.	0.	0.0000E+00	0.0000E+00
61-Pm-143	61143.	0.	0.0000E+00	0.0000E+00
61-Pm-144	61144.	0.	0.0000E+00	0.0000E+00
61-Pm-145	61145.	0.	0.0000E+00	0.0000E+00
61-Pm-146	61146.	0.	0.0000E+00	0.0000E+00
61-Pm-147	61147.	0.	2.5927E-02	2.5927E-04
61-Pm-148	61148.	0.	6.8900E-12	4.4096E-12
61-Pm-148-M	61148.	1.	1.6600E-11	1.0624E-11
61-Pm-149	61149.	0.	1.6253E-02	3.2506E-04
61-Pm-150	61150.	0.	3.2900E-08	2.1056E-08
61-Pm-151	61151.	0.	7.9940E-03	1.5988E-04
61-Pm-152-N	61152.	2.	1.4200E-06	9.0881E-07
61-Pm-152	61152.	0.	5.2995E-03	1.0599E-04
61-Pm-152-M	61152.	1.	1.4200E-06	9.0881E-07
61-Pm-153	61153.	0.	4.1478E-03	1.6591E-04
61-Pm-154	61154.	0.	2.1248E-03	5.9495E-05
61-Pm-154-M	61154.	1.	3.7540E-05	2.4026E-05
61-Pm-155	61155.	0.	1.4120E-03	6.3541E-04
61-Pm-156	61156.	0.	7.4824E-04	5.9860E-05
61-Pm-157	61157.	0.	3.8396E-04	2.4574E-04
61-Pm-158	61158.	0.	1.4152E-04	9.0573E-05
61-Pm-159	61159.	0.	4.5370E-05	2.9037E-05
61-Pm-160	61160.	0.	9.3201E-06	5.9648E-06
61-Pm-161	61161.	0.	1.3000E-06	8.3201E-07
61-Pm-162	61162.	0.	9.2201E-08	5.9008E-08
61-Pm-163	61163.	0.	1.0600E-08	6.7840E-09
61-Pm-164	61164.	0.	7.5800E-10	4.8512E-10
61-Pm-165	61165.	0.	3.5400E-11	2.2656E-11
61-Pm-166	61166.	0.	1.4517E-12	9.2911E-13
61-Pm-167	61167.	0.	1.1868E-13	7.5953E-14
61-Pm-168	61168.	0.	2.3972E-16	1.5342E-16
61-Pm-169	61169.	0.	1.1020E-17	7.0525E-18
62-Sm-143	62143.	0.	0.0000E+00	0.0000E+00
62-Sm-143-M	62143.	1.	0.0000E+00	0.0000E+00
62-Sm-144	62144.	0.	0.0000E+00	0.0000E+00
62-Sm-145	62145.	0.	0.0000E+00	0.0000E+00
62-Sm-146	62146.	0.	0.0000E+00	0.0000E+00
62-Sm-147	62147.	0.	2.5927E-02	1.8149E-04
62-Sm-148	62148.	0.	2.2700E-11	1.0215E-11
62-Sm-149	62149.	0.	1.6253E-02	1.6253E-04
62-Sm-150	62150.	0.	3.2900E-08	2.1056E-08
62-Sm-151	62151.	0.	7.9940E-03	1.1192E-04
62-Sm-152	62152.	0.	5.3023E-03	5.3023E-05
62-Sm-153	62153.	0.	4.1479E-03	8.2958E-05

62-Sm-154	62154.	0.	2.1628E-03	2.1628E-05
62-Sm-155	62155.	0.	1.4152E-03	4.5285E-04
62-Sm-156	62156.	0.	7.6031E-04	3.0413E-05
62-Sm-157	62157.	0.	4.1356E-04	1.8610E-04
62-Sm-158	62158.	0.	1.8409E-04	8.2841E-05
62-Sm-159	62159.	0.	8.3990E-05	3.7796E-05
62-Sm-160	62160.	0.	3.2200E-05	2.0608E-05
62-Sm-161	62161.	0.	9.0401E-06	5.7856E-06
62-Sm-162	62162.	0.	1.7300E-06	1.1072E-06
62-Sm-163	62163.	0.	4.9700E-07	3.1808E-07
62-Sm-164	62164.	0.	1.1000E-07	7.0401E-08
62-Sm-165	62165.	0.	1.4500E-08	9.2801E-09
62-Sm-166	62166.	0.	1.7500E-09	1.1200E-09
62-Sm-167	62167.	0.	1.3200E-10	8.4480E-11
62-Sm-168	62168.	0.	6.3600E-12	4.0704E-12
62-Sm-169	62169.	0.	2.6974E-13	1.7264E-13
62-Sm-170	62170.	0.	0.0000E+00	0.0000E+00
62-Sm-171	62171.	0.	1.5973E-17	1.0223E-17
62-Sm-172	62172.	0.	3.7973E-18	2.4303E-18
63-Eu-147	63147.	0.	0.0000E+00	0.0000E+00
63-Eu-149	63149.	0.	0.0000E+00	0.0000E+00
63-Eu-151	63151.	0.	7.9940E-03	7.9940E-05
63-Eu-152-N	63152.	2.	1.4600E-14	9.3441E-15
63-Eu-152	63152.	0.	2.1900E-14	1.4016E-14
63-Eu-152-M	63152.	1.	2.1900E-14	1.4016E-14
63-Eu-153	63153.	0.	4.1479E-03	8.2958E-05
63-Eu-154-M	63154.	1.	4.1250E-11	2.6400E-11
63-Eu-154	63154.	0.	8.2500E-11	5.2800E-11
63-Eu-155	63155.	0.	1.4152E-03	2.2643E-04
63-Eu-156	63156.	0.	7.6034E-04	1.5207E-05
63-Eu-157	63157.	0.	4.1375E-04	1.3240E-04
63-Eu-158	63158.	0.	1.8487E-04	5.9159E-05
63-Eu-159	63159.	0.	8.6181E-05	2.7578E-05
63-Eu-160	63160.	0.	3.5390E-05	1.5926E-05
63-Eu-161	63161.	0.	1.2050E-05	1.3255E-06
63-Eu-162	63162.	0.	3.2400E-06	2.0736E-06
63-Eu-163	63163.	0.	1.7200E-06	1.1008E-06
63-Eu-164	63164.	0.	7.6101E-07	4.8704E-07
63-Eu-165	63165.	0.	2.7400E-07	1.7536E-07
63-Eu-166	63166.	0.	8.3401E-08	5.3376E-08
63-Eu-167	63167.	0.	2.0300E-08	1.2992E-08
63-Eu-168	63168.	0.	2.7100E-09	1.7344E-09
63-Eu-169	63169.	0.	2.3600E-10	1.5104E-10
63-Eu-170	63170.	0.	1.1600E-11	7.4241E-12
63-Eu-171	63171.	0.	3.0748E-13	1.9679E-13
63-Eu-172	63172.	0.	6.7444E-14	4.3164E-14
64-Gd-147	64147.	0.	0.0000E+00	0.0000E+00
64-Gd-149	64149.	0.	0.0000E+00	0.0000E+00
64-Gd-151	64151.	0.	0.0000E+00	0.0000E+00
64-Gd-152	64152.	0.	2.3000E-14	1.4720E-14
64-Gd-153	64153.	0.	0.0000E+00	0.0000E+00
64-Gd-154	64154.	0.	8.2500E-11	5.2800E-11
64-Gd-155	64155.	0.	1.4152E-03	1.5567E-04
64-Gd-156	64156.	0.	7.6034E-04	1.5207E-05
64-Gd-157	64157.	0.	4.1375E-04	6.6200E-05
64-Gd-158	64158.	0.	1.8487E-04	2.9579E-05
64-Gd-159	64159.	0.	8.6191E-05	1.3790E-05
64-Gd-160	64160.	0.	3.5440E-05	8.1512E-06

64-Gd-161	64161.	0.	1.2150E-05	7.2901E-07
64-Gd-162	64162.	0.	3.4000E-06	1.5300E-06
64-Gd-163	64163.	0.	2.0400E-06	9.1801E-07
64-Gd-164	64164.	0.	1.2300E-06	7.8721E-07
64-Gd-165	64165.	0.	7.1801E-07	4.5952E-07
64-Gd-166	64166.	0.	4.6600E-07	2.9824E-07
64-Gd-167	64167.	0.	2.5400E-07	1.6256E-07
64-Gd-168	64168.	0.	9.5901E-08	6.1376E-08
64-Gd-169	64169.	0.	2.1700E-08	1.3888E-08
64-Gd-170	64170.	0.	3.4900E-09	2.2336E-09
64-Gd-171	64171.	0.	3.4200E-10	2.1888E-10
64-Gd-172	64172.	0.	8.1301E-11	5.2032E-11
65-Tb-151	65151.	0.	0.0000E+00	0.0000E+00
65-Tb-153	65153.	0.	0.0000E+00	0.0000E+00
65-Tb-155	65155.	0.	0.0000E+00	0.0000E+00
65-Tb-156	65156.	0.	0.0000E+00	0.0000E+00
65-Tb-156-M	65156.	1.	0.0000E+00	0.0000E+00
65-Tb-157	65157.	0.	0.0000E+00	0.0000E+00
65-Tb-158	65158.	0.	4.8100E-14	3.0784E-14
65-Tb-158-M	65158.	1.	0.0000E+00	0.0000E+00
65-Tb-159	65159.	0.	8.6191E-05	1.3790E-05
65-Tb-160	65160.	0.	1.8900E-11	1.2096E-11
65-Tb-161	65161.	0.	1.2150E-05	3.4020E-07
65-Tb-162	65162.	0.	3.3300E-06	1.4985E-06
65-Tb-162-M	65162.	1.	6.8400E-08	3.0780E-08
65-Tb-163	65163.	0.	2.0400E-06	9.1801E-07
65-Tb-164	65164.	0.	1.2500E-06	5.6250E-07
65-Tb-165	65165.	0.	7.6600E-07	4.9024E-07
65-Tb-166	65166.	0.	5.6400E-07	3.6096E-07
65-Tb-167	65167.	0.	4.2300E-07	1.9035E-07
65-Tb-168	65168.	0.	2.5200E-07	1.6128E-07
65-Tb-169	65169.	0.	1.2100E-07	7.7440E-08
65-Tb-170	65170.	0.	4.4000E-08	2.8160E-08
65-Tb-171	65171.	0.	1.2300E-08	7.8720E-09
65-Tb-172	65172.	0.	7.6801E-09	4.9152E-09
66-Dy-155	66155.	0.	0.0000E+00	0.0000E+00
66-Dy-156	66156.	0.	0.0000E+00	0.0000E+00
66-Dy-157	66157.	0.	0.0000E+00	0.0000E+00
66-Dy-158	66158.	0.	0.0000E+00	0.0000E+00
66-Dy-159	66159.	0.	0.0000E+00	0.0000E+00
66-Dy-160	66160.	0.	1.8900E-11	1.2096E-11
66-Dy-161	66161.	0.	1.2150E-05	3.4020E-07
66-Dy-162	66162.	0.	3.4000E-06	1.0880E-06
66-Dy-163	66163.	0.	2.0400E-06	6.5280E-07
66-Dy-164	66164.	0.	1.2500E-06	4.0000E-07
66-Dy-165	66165.	0.	7.5701E-07	2.4224E-07
66-Dy-165-M	66165.	1.	3.8300E-07	1.7235E-07
66-Dy-166	66166.	0.	5.6700E-07	2.5515E-07
66-Dy-167	66167.	0.	4.3500E-07	1.3920E-07
66-Dy-168	66168.	0.	2.8300E-07	1.2735E-07
66-Dy-169	66169.	0.	1.6900E-07	7.6050E-08
66-Dy-170	66170.	0.	9.8201E-08	6.2848E-08
66-Dy-171	66171.	0.	4.9500E-08	3.1680E-08
66-Dy-172	66172.	0.	7.3800E-08	4.7232E-08
67-Ho-159	67159.	0.	0.0000E+00	0.0000E+00
67-Ho-159-M	67159.	1.	0.0000E+00	0.0000E+00
67-Ho-161	67161.	0.	0.0000E+00	0.0000E+00
67-Ho-161-M	67161.	1.	0.0000E+00	0.0000E+00

67-Ho-162	67162.	0.	0.0000E+00	0.0000E+00
67-Ho-162-M	67162.	1.	0.0000E+00	0.0000E+00
67-Ho-163	67163.	0.	0.0000E+00	0.0000E+00
67-Ho-163-M	67163.	1.	0.0000E+00	0.0000E+00
67-Ho-164	67164.	0.	0.0000E+00	0.0000E+00
67-Ho-164-M	67164.	1.	0.0000E+00	0.0000E+00
67-Ho-165	67165.	0.	7.6600E-07	1.7618E-07
67-Ho-166	67166.	0.	5.6700E-07	2.5515E-07
67-Ho-166-M	67166.	1.	1.7700E-12	1.1328E-12
67-Ho-167	67167.	0.	4.3500E-07	1.0005E-07
67-Ho-168	67168.	0.	2.8400E-07	1.2780E-07
67-Ho-169	67169.	0.	1.7000E-07	7.6500E-08
67-Ho-170	67170.	0.	1.0000E-07	4.5000E-08
67-Ho-170-M	67170.	1.	1.9100E-09	1.2224E-09
67-Ho-171	67171.	0.	5.7000E-08	2.5650E-08
67-Ho-172	67172.	0.	1.0500E-07	4.7250E-08
68-Er-161	68161.	0.	0.0000E+00	0.0000E+00
68-Er-162	68162.	0.	0.0000E+00	0.0000E+00
68-Er-163	68163.	0.	0.0000E+00	0.0000E+00
68-Er-164	68164.	0.	0.0000E+00	0.0000E+00
68-Er-165	68165.	0.	0.0000E+00	0.0000E+00
68-Er-166	68166.	0.	5.6700E-07	1.8144E-07
68-Er-167	68167.	0.	4.3500E-07	6.9600E-08
68-Er-167-M	68167.	1.	4.3500E-08	1.0005E-08
68-Er-168	68168.	0.	2.8400E-07	9.0881E-08
68-Er-169	68169.	0.	1.7000E-07	7.6500E-08
68-Er-170	68170.	0.	1.0200E-07	3.2640E-08
68-Er-171	68171.	0.	5.7200E-08	1.8304E-08
68-Er-172	68172.	0.	1.0700E-07	3.4240E-08
69-Tm-165	69165.	0.	0.0000E+00	0.0000E+00
69-Tm-166	69166.	0.	0.0000E+00	0.0000E+00
69-Tm-167	69167.	0.	0.0000E+00	0.0000E+00
69-Tm-168	69168.	0.	0.0000E+00	0.0000E+00
69-Tm-169	69169.	0.	1.7000E-07	5.4400E-08
69-Tm-170	69170.	0.	0.0000E+00	0.0000E+00
69-Tm-171	69171.	0.	5.7200E-08	1.8304E-08
69-Tm-172	69172.	0.	1.0700E-07	3.4240E-08
70-Yb-166	70166.	0.	0.0000E+00	0.0000E+00
70-Yb-167	70167.	0.	0.0000E+00	0.0000E+00
70-Yb-168	70168.	0.	0.0000E+00	0.0000E+00
70-Yb-169	70169.	0.	0.0000E+00	0.0000E+00
70-Yb-169-M	70169.	1.	0.0000E+00	0.0000E+00
70-Yb-170	70170.	0.	0.0000E+00	0.0000E+00
70-Yb-171	70171.	0.	5.7200E-08	1.8304E-08
70-Yb-172	70172.	0.	1.0700E-07	3.4240E-08
71-Lu-169	71169.	0.	0.0000E+00	0.0000E+00
71-Lu-169-M	71169.	1.	0.0000E+00	0.0000E+00
71-Lu-171	71171.	0.	0.0000E+00	0.0000E+00
71-Lu-171-M	71171.	1.	0.0000E+00	0.0000E+00
71-Lu-172	71172.	0.	0.0000E+00	0.0000E+00
71-Lu-172-M	71172.	1.	0.0000E+00	0.0000E+00
72-Hf-171	72171.	0.	0.0000E+00	0.0000E+00
72-Hf-172	72172.	0.	0.0000E+00	0.0000E+00

Neutron energy = 1.4000E+07
Interpolation scheme= 0

PRODUCT	ZAFP	FPS	Y	DY
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23-V - 66	23066.	0.	2.3799E-14	1.5232E-14
23-V - 67	23067.	0.	3.3279E-15	2.1298E-15
23-V - 68	23068.	0.	4.2960E-16	2.7494E-16
24-Cr- 66	24066.	0.	1.1800E-10	7.5520E-11
24-Cr- 67	24067.	0.	1.6500E-11	1.0560E-11
24-Cr- 68	24068.	0.	2.1300E-12	1.3632E-12
24-Cr- 69	24069.	0.	7.9264E-14	5.0729E-14
24-Cr- 70	24070.	0.	0.0000E+00	0.0000E+00
25-Mn- 66	25066.	0.	1.9500E-08	1.2480E-08
25-Mn- 67	25067.	0.	6.9900E-09	4.4736E-09
25-Mn- 68	25068.	0.	2.2900E-09	1.4656E-09
25-Mn- 69	25069.	0.	3.9300E-10	2.5152E-10
25-Mn- 70	25070.	0.	5.4700E-11	3.5008E-11
25-Mn- 71	25071.	0.	4.8800E-12	3.1232E-12
25-Mn- 72	25072.	0.	2.3396E-13	1.4973E-13
25-Mn- 73	25073.	0.	2.9648E-14	1.8975E-14
26-Fe- 66	26066.	0.	2.9600E-07	1.8944E-07
26-Fe- 67	26067.	0.	2.4800E-07	1.5872E-07
26-Fe- 68	26068.	0.	1.9400E-07	1.2416E-07
26-Fe- 69	26069.	0.	8.3800E-08	5.3632E-08
26-Fe- 70	26070.	0.	2.9200E-08	1.8688E-08
26-Fe- 71	26071.	0.	6.8300E-09	4.3712E-09
26-Fe- 72	26072.	0.	1.1600E-09	7.4240E-10
26-Fe- 73	26073.	0.	1.4700E-10	9.4080E-11
26-Fe- 74	26074.	0.	1.0300E-11	6.5920E-12
26-Fe- 75	26075.	0.	5.9296E-13	3.7950E-13
26-Fe- 76	26076.	0.	2.2300E-14	1.4272E-14
27-Co- 66	27066.	0.	7.1200E-07	2.2784E-07
27-Co- 67	27067.	0.	1.0700E-06	6.8480E-07
27-Co- 68	27068.	0.	1.6600E-06	1.0624E-06
27-Co- 69	27069.	0.	1.5900E-06	1.0176E-06
27-Co- 70	27070.	0.	1.2900E-06	8.2560E-07
27-Co- 71	27071.	0.	7.4000E-07	4.7360E-07
27-Co- 72	27072.	0.	3.1000E-07	1.9840E-07
27-Co- 73	27073.	0.	1.0200E-07	6.5280E-08
27-Co- 74	27074.	0.	1.8700E-08	1.1968E-08
27-Co- 75	27075.	0.	2.9400E-09	1.8816E-09
27-Co- 76	27076.	0.	2.7800E-10	1.7792E-10
27-Co- 77	27077.	0.	7.3415E-12	4.6985E-12
27-Co- 78	27078.	0.	9.4188E-13	6.0281E-13
27-Co- 79	27079.	0.	3.7433E-13	2.3957E-13
28-Ni- 66	28066.	0.	7.8100E-07	8.5910E-08
28-Ni- 67	28067.	0.	1.3800E-06	4.4160E-07
28-Ni- 68	28068.	0.	2.8800E-06	1.2960E-06
28-Ni- 69	28069.	0.	4.4200E-06	2.8288E-06
28-Ni- 70	28070.	0.	6.4900E-06	4.1536E-06
28-Ni- 71	28071.	0.	7.7900E-06	4.9856E-06
28-Ni- 72	28072.	0.	7.2300E-06	4.6272E-06
28-Ni- 73	28073.	0.	5.6800E-06	3.6352E-06
28-Ni- 74	28074.	0.	2.6000E-06	1.6640E-06
28-Ni- 75	28075.	0.	1.0200E-06	6.5280E-07
28-Ni- 76	28076.	0.	2.5000E-07	1.6000E-07
28-Ni- 77	28077.	0.	3.6400E-08	2.3296E-08
28-Ni- 78	28078.	0.	4.6700E-09	2.9888E-09
28-Ni- 79	28079.	0.	1.8560E-09	1.1878E-09
28-Ni- 80	28080.	0.	2.5000E-11	1.6000E-11
28-Ni- 81	28081.	0.	1.6216E-12	1.0378E-12

28-Ni- 82	28082.	0.	1.2800E-14	8.1920E-15
29-Cu- 66	29066.	0.	7.8200E-07	8.6020E-08
29-Cu- 67	29067.	0.	1.3900E-06	3.1970E-07
29-Cu- 68	29068.	0.	2.9400E-06	9.4080E-07
29-Cu- 68-M	29068.	1.	8.8900E-08	5.6896E-08
29-Cu- 69	29069.	0.	5.0000E-06	2.2500E-06
29-Cu- 70	29070.	0.	3.6100E-06	2.3104E-06
29-Cu- 70-M	29070.	1.	5.2900E-06	3.3856E-06
29-Cu- 71	29071.	0.	1.5090E-05	6.7905E-06
29-Cu- 72	29072.	0.	2.2980E-05	1.0341E-05
29-Cu- 73	29073.	0.	3.4660E-05	2.2182E-05
29-Cu- 74	29074.	0.	3.3930E-05	2.1715E-05
29-Cu- 75	29075.	0.	2.9890E-05	1.9130E-05
29-Cu- 76	29076.	0.	1.7790E-05	1.1386E-05
29-Cu- 77	29077.	0.	6.6700E-06	4.2688E-06
29-Cu- 78	29078.	0.	2.2600E-06	1.4464E-06
29-Cu- 79	29079.	0.	6.8000E-07	4.3520E-07
29-Cu- 80	29080.	0.	8.9900E-08	5.7536E-08
29-Cu- 81	29081.	0.	8.0400E-09	5.1456E-09
29-Cu- 82	29082.	0.	3.7500E-10	2.4000E-10
29-Cu- 83	29083.	0.	1.6196E-11	1.0365E-11
29-Cu- 84	29084.	0.	1.0649E-12	6.8154E-13
30-Zn- 66	30066.	0.	7.8200E-07	8.6020E-08
30-Zn- 67	30067.	0.	1.3900E-06	2.2240E-07
30-Zn- 68	30068.	0.	2.9900E-06	4.7840E-07
30-Zn- 69	30069.	0.	5.0100E-06	1.6032E-06
30-Zn- 69-M	30069.	1.	1.0300E-08	6.5920E-09
30-Zn- 70	30070.	0.	9.0100E-06	1.4416E-06
30-Zn- 71	30071.	0.	1.5180E-05	4.8576E-06
30-Zn- 71-M	30071.	1.	7.2800E-07	4.6592E-07
30-Zn- 72	30072.	0.	2.6970E-05	4.3152E-06
30-Zn- 73	30073.	0.	5.1300E-05	2.3085E-05
30-Zn- 74	30074.	0.	7.4300E-05	3.3435E-05
30-Zn- 75	30075.	0.	1.1189E-04	7.1610E-05
30-Zn- 76	30076.	0.	1.3202E-04	8.4493E-05
30-Zn- 77	30077.	0.	1.1084E-04	7.0938E-05
30-Zn- 78	30078.	0.	9.0110E-05	5.7671E-05
30-Zn- 79	30079.	0.	6.8460E-05	4.3815E-05
30-Zn- 80	30080.	0.	2.4080E-05	1.5411E-05
30-Zn- 81	30081.	0.	5.8700E-06	3.7568E-06
30-Zn- 82	30082.	0.	7.7700E-07	4.9728E-07
30-Zn- 83	30083.	0.	8.0300E-08	5.1392E-08
30-Zn- 84	30084.	0.	5.2800E-09	3.3792E-09
30-Zn- 85	30085.	0.	1.2323E-10	7.8868E-11
30-Zn- 86	30086.	0.	4.5200E-12	2.8928E-12
31-Ga- 66	31066.	0.	0.0000E+00	0.0000E+00
31-Ga- 67	31067.	0.	0.0000E+00	0.0000E+00
31-Ga- 68	31068.	0.	5.1100E-13	3.2704E-13
31-Ga- 69	31069.	0.	5.0100E-06	8.0160E-07
31-Ga- 70	31070.	0.	4.4800E-10	2.8672E-10
31-Ga- 71	31071.	0.	1.5920E-05	2.5472E-06
31-Ga- 72-M	31072.	1.	4.4550E-08	2.8512E-08
31-Ga- 72	31072.	0.	2.7060E-05	1.7318E-05
31-Ga- 73	31073.	0.	5.2300E-05	1.2029E-05
31-Ga- 74-M	31074.	1.	5.8570E-05	3.7485E-05
31-Ga- 74	31074.	0.	6.5348E-05	4.1823E-05
31-Ga- 75	31075.	0.	1.3788E-04	6.2046E-05
31-Ga- 76	31076.	0.	2.1369E-04	6.8381E-05

31-Ga- 77	31077.	0.	2.8152E-04	1.8017E-04
31-Ga- 78	31078.	0.	4.2397E-04	2.7134E-04
31-Ga- 79	31079.	0.	6.7608E-04	4.3269E-04
31-Ga- 80	31080.	0.	5.6193E-04	3.5964E-04
31-Ga- 81	31081.	0.	3.4418E-04	2.2028E-04
31-Ga- 82	31082.	0.	1.2244E-04	7.8362E-05
31-Ga- 83	31083.	0.	3.4110E-05	2.1830E-05
31-Ga- 84	31084.	0.	6.3100E-06	4.0384E-06
31-Ga- 85	31085.	0.	6.1100E-07	3.9104E-07
31-Ga- 86	31086.	0.	4.3200E-08	2.7648E-08
31-Ga- 87	31087.	0.	6.6154E-10	4.2338E-10
31-Ga- 88	31088.	0.	6.4540E-11	4.1306E-11
31-Ga- 89	31089.	0.	1.1918E-11	7.6275E-12
32-Ge- 66	32066.	0.	0.0000E+00	0.0000E+00
32-Ge- 67	32067.	0.	0.0000E+00	0.0000E+00
32-Ge- 68	32068.	0.	0.0000E+00	0.0000E+00
32-Ge- 69	32069.	0.	0.0000E+00	0.0000E+00
32-Ge- 70	32070.	0.	4.4800E-10	2.8672E-10
32-Ge- 71	32071.	0.	6.4400E-12	4.1216E-12
32-Ge- 71-M	32071.	1.	3.2200E-12	2.0608E-12
32-Ge- 72	32072.	0.	2.7060E-05	2.9766E-06
32-Ge- 73	32073.	0.	5.2300E-05	5.7530E-06
32-Ge- 73-M	32073.	1.	5.2300E-05	8.3680E-06
32-Ge- 74	32074.	0.	8.0060E-05	1.2810E-05
32-Ge- 75	32075.	0.	1.3869E-04	4.4381E-05
32-Ge- 75-M	32075.	1.	6.2600E-06	2.8170E-06
32-Ge- 76	32076.	0.	2.1986E-04	3.5178E-05
32-Ge- 77	32077.	0.	1.1499E-04	5.1746E-05
32-Ge- 77-M	32077.	1.	2.4990E-04	1.1246E-04
32-Ge- 78	32078.	0.	5.6528E-04	2.5438E-04
32-Ge- 79-M	32079.	1.	3.3035E-04	2.1143E-04
32-Ge- 79	32079.	0.	9.5341E-04	6.1018E-04
32-Ge- 80	32080.	0.	1.8106E-03	8.1476E-04
32-Ge- 81	32081.	0.	2.1591E-03	1.3818E-03
32-Ge- 82	32082.	0.	1.7690E-03	1.1321E-03
32-Ge- 83	32083.	0.	1.1911E-03	7.6228E-04
32-Ge- 84	32084.	0.	5.8920E-04	3.7709E-04
32-Ge- 85	32085.	0.	1.5179E-04	9.7146E-05
32-Ge- 86	32086.	0.	2.9920E-05	1.9149E-05
32-Ge- 87	32087.	0.	3.2800E-06	2.0992E-06
32-Ge- 88	32088.	0.	3.2000E-07	2.0480E-07
32-Ge- 89	32089.	0.	5.9091E-08	3.7818E-08
32-Ge- 90	32090.	0.	2.8221E-10	1.8061E-10
32-Ge- 91	32091.	0.	4.8074E-11	3.0767E-11
33-As- 69	33069.	0.	0.0000E+00	0.0000E+00
33-As- 71	33071.	0.	0.0000E+00	0.0000E+00
33-As- 72	33072.	0.	2.5600E-14	1.6384E-14
33-As- 73	33073.	0.	1.9200E-12	1.2288E-12
33-As- 74	33074.	0.	7.4500E-11	4.7680E-11
33-As- 74-M	33074.	1.	6.1100E-11	3.9104E-11
33-As- 75	33075.	0.	1.3869E-04	2.2190E-05
33-As- 76	33076.	0.	4.0600E-08	2.5984E-08
33-As- 77	33077.	0.	3.1293E-04	3.4422E-05
33-As- 78	33078.	0.	5.7130E-04	1.8282E-04
33-As- 79	33079.	0.	1.3323E-03	5.9951E-04
33-As- 80	33080.	0.	2.1212E-03	6.7877E-04
33-As- 81	33081.	0.	3.2606E-03	1.0434E-03
33-As- 82	33082.	0.	2.9605E-03	1.3322E-03

33-As- 82-M	33082.	1.	1.1925E-03	7.6318E-04
33-As- 83	33083.	0.	5.1086E-03	2.2989E-03
33-As- 84-M	33084.	1.	2.4381E-03	1.5604E-03
33-As- 84	33084.	0.	3.0216E-03	1.9338E-03
33-As- 85	33085.	0.	3.2848E-03	2.1023E-03
33-As- 86	33086.	0.	1.6678E-03	1.0674E-03
33-As- 87	33087.	0.	4.8040E-04	3.0746E-04
33-As- 88	33088.	0.	1.2573E-04	8.0468E-05
33-As- 89	33089.	0.	2.1650E-05	1.3856E-05
33-As- 90	33090.	0.	1.3992E-06	8.9552E-07
33-As- 91	33091.	0.	2.3836E-07	1.5255E-07
33-As- 92	33092.	0.	1.9987E-09	1.2792E-09
33-As- 93	33093.	0.	7.2702E-11	4.6530E-11
33-As- 94	33094.	0.	8.2692E-12	5.2923E-12
34-Se- 72	34072.	0.	0.0000E+00	0.0000E+00
34-Se- 73	34073.	0.	0.0000E+00	0.0000E+00
34-Se- 73-M	34073.	1.	0.0000E+00	0.0000E+00
34-Se- 74	34074.	0.	2.4400E-11	1.5616E-11
34-Se- 75	34075.	0.	3.9300E-13	2.5152E-13
34-Se- 76	34076.	0.	4.0600E-08	2.5984E-08
34-Se- 77	34077.	0.	3.1293E-04	2.5035E-05
34-Se- 77-M	34077.	1.	9.3900E-07	1.0329E-07
34-Se- 78	34078.	0.	5.7133E-04	9.1413E-05
34-Se- 79	34079.	0.	1.3328E-03	4.2651E-04
34-Se- 79-M	34079.	1.	1.3323E-03	5.9953E-04
34-Se- 80	34080.	0.	2.1288E-03	3.4061E-04
34-Se- 81	34081.	0.	3.3296E-03	5.3274E-04
34-Se- 81-M	34081.	1.	6.3470E-05	4.0621E-05
34-Se- 82	34082.	0.	4.5296E-03	7.2473E-04
34-Se- 83	34083.	0.	3.1822E-03	5.0915E-04
34-Se- 83-M	34083.	1.	3.4355E-03	1.0994E-03
34-Se- 84	34084.	0.	1.0801E-02	1.1881E-03
34-Se- 85	34085.	0.	5.0048E-03	3.2031E-03
34-Se- 85-M	34085.	1.	3.4363E-03	2.1992E-03
34-Se- 86	34086.	0.	1.0193E-02	4.5870E-03
34-Se- 87	34087.	0.	6.3339E-03	2.8503E-03
34-Se- 88	34088.	0.	4.1570E-03	2.6605E-03
34-Se- 89	34089.	0.	1.8795E-03	1.2029E-03
34-Se- 90	34090.	0.	5.1266E-04	3.2810E-04
34-Se- 91	34091.	0.	8.7330E-05	5.5891E-05
34-Se- 92	34092.	0.	9.9100E-06	6.3424E-06
34-Se- 93	34093.	0.	3.6047E-07	2.3070E-07
34-Se- 94	34094.	0.	4.1000E-08	2.6240E-08
34-Se- 95	34095.	0.	4.0085E-10	2.5654E-10
34-Se- 96	34096.	0.	3.0900E-11	1.9776E-11
35-Br- 75	35075.	0.	0.0000E+00	0.0000E+00
35-Br- 77	35077.	0.	6.9700E-14	4.4608E-14
35-Br- 77-M	35077.	1.	5.9900E-14	3.8336E-14
35-Br- 78	35078.	0.	5.7300E-12	3.6672E-12
35-Br- 79	35079.	0.	1.3328E-03	2.1325E-04
35-Br- 79-M	35079.	1.	3.5800E-10	2.2912E-10
35-Br- 80	35080.	0.	1.5100E-08	9.6640E-09
35-Br- 80-M	35080.	1.	1.2900E-08	8.2560E-09
35-Br- 81	35081.	0.	3.3300E-03	3.6630E-04
35-Br- 82	35082.	0.	1.7100E-06	1.0944E-06
35-Br- 82-M	35082.	1.	9.9400E-07	6.3616E-07
35-Br- 83	35083.	0.	6.6750E-03	5.3400E-04
35-Br- 84	35084.	0.	1.0896E-02	6.5377E-04

35-Br- 84-M	35084.	1.	3.3761E-04	2.1607E-04
35-Br- 85	35085.	0.	1.0023E-02	4.0093E-04
35-Br- 86	35086.	0.	1.2569E-02	2.8908E-03
35-Br- 86-M	35086.	1.	2.4559E-03	1.5718E-03
35-Br- 87	35087.	0.	1.5480E-02	9.2881E-04
35-Br- 88	35088.	0.	1.4865E-02	1.6352E-03
35-Br- 89	35089.	0.	1.4993E-02	3.4485E-03
35-Br- 90	35090.	0.	1.0443E-02	2.4018E-03
35-Br- 91	35091.	0.	4.5228E-03	2.8946E-03
35-Br- 92	35092.	0.	1.3451E-03	8.6086E-04
35-Br- 93	35093.	0.	1.3207E-04	8.4525E-05
35-Br- 94	35094.	0.	4.1930E-05	2.6835E-05
35-Br- 95	35095.	0.	1.9875E-06	1.2720E-06
35-Br- 96	35096.	0.	2.5200E-07	1.6128E-07
35-Br- 97	35097.	0.	3.0213E-09	1.9336E-09
35-Br- 98	35098.	0.	2.4808E-10	1.5877E-10
35-Br- 99	35099.	0.	7.9173E-11	5.0671E-11
36-Kr- 77	36077.	0.	0.0000E+00	0.0000E+00
36-Kr- 78	36078.	0.	0.0000E+00	0.0000E+00
36-Kr- 79-M	36079.	1.	1.0700E-14	6.8480E-15
36-Kr- 79	36079.	0.	2.1400E-14	1.3696E-14
36-Kr- 80	36080.	0.	1.5100E-08	9.6640E-09
36-Kr- 81	36081.	0.	1.5000E-10	9.6000E-11
36-Kr- 81-M	36081.	1.	1.0500E-11	6.7200E-12
36-Kr- 82	36082.	0.	1.7400E-06	1.1136E-06
36-Kr- 83	36083.	0.	6.6751E-03	1.8690E-04
36-Kr- 83-M	36083.	1.	6.6750E-03	4.0050E-04
36-Kr- 84	36084.	0.	1.1238E-02	3.1465E-04
36-Kr- 85	36085.	0.	2.0357E-03	4.0715E-05
36-Kr- 85-M	36085.	1.	1.0027E-02	2.0054E-04
36-Kr- 86	36086.	0.	1.5710E-02	4.3989E-04
36-Kr- 87	36087.	0.	1.6845E-02	3.3690E-04
36-Kr- 88	36088.	0.	2.1605E-02	4.3211E-04
36-Kr- 89	36089.	0.	2.8092E-02	5.6185E-04
36-Kr- 90	36090.	0.	2.7463E-02	1.6478E-03
36-Kr- 91	36091.	0.	2.5206E-02	1.0082E-03
36-Kr- 92	36092.	0.	1.6585E-02	4.6437E-04
36-Kr- 93	36093.	0.	7.3048E-03	5.8438E-04
36-Kr- 94	36094.	0.	3.3781E-03	2.1620E-03
36-Kr- 95	36095.	0.	7.2817E-04	4.6603E-04
36-Kr- 96	36096.	0.	1.4952E-04	9.5693E-05
36-Kr- 97	36097.	0.	1.4980E-05	9.5872E-06
36-Kr- 98	36098.	0.	1.2300E-06	7.8720E-07
36-Kr- 99	36099.	0.	3.9255E-07	2.5124E-07
36-Kr-100	36100.	0.	2.4100E-09	1.5424E-09
36-Kr-101	36101.	0.	1.2402E-10	7.9375E-11
36-Kr-102	36102.	0.	1.3806E-11	8.8359E-12
37-Rb- 79	37079.	0.	0.0000E+00	0.0000E+00
37-Rb- 81	37081.	0.	0.0000E+00	0.0000E+00
37-Rb- 83	37083.	0.	4.0600E-11	2.5984E-11
37-Rb- 84	37084.	0.	2.5000E-09	1.6000E-09
37-Rb- 85	37085.	0.	1.0060E-02	1.4084E-04
37-Rb- 86-M	37086.	1.	6.4500E-08	4.1280E-08
37-Rb- 86	37086.	0.	1.2900E-07	8.2560E-08
37-Rb- 87	37087.	0.	1.6864E-02	3.3728E-04
37-Rb- 88	37088.	0.	2.1756E-02	4.3511E-04
37-Rb- 89	37089.	0.	2.9203E-02	8.1769E-04
37-Rb- 90	37090.	0.	2.5099E-02	1.5060E-03

37-Rb- 90-M	37090.	1.	6.8829E-03	4.4051E-03
37-Rb- 91	37091.	0.	3.7975E-02	4.1772E-03
37-Rb- 92	37092.	0.	3.5673E-02	5.7076E-03
37-Rb- 93	37093.	0.	3.3958E-02	7.8103E-03
37-Rb- 94	37094.	0.	2.7565E-02	6.3400E-03
37-Rb- 95	37095.	0.	1.5109E-02	3.4752E-03
37-Rb- 96	37096.	0.	7.2316E-03	3.2542E-03
37-Rb- 97	37097.	0.	1.9329E-03	1.2371E-03
37-Rb- 98	37098.	0.	4.1488E-04	2.6552E-04
37-Rb- 99	37099.	0.	1.4383E-04	9.2048E-05
37-Rb-100	37100.	0.	5.8300E-06	3.7312E-06
37-Rb-101	37101.	0.	6.1493E-07	3.9356E-07
37-Rb-102	37102.	0.	6.8453E-08	4.3810E-08
37-Rb-103	37103.	0.	3.2932E-10	2.1077E-10
37-Rb-104	37104.	0.	2.8640E-11	1.8329E-11
38-Sr- 83	38083.	0.	0.0000E+00	0.0000E+00
38-Sr- 84	38084.	0.	7.5300E-11	4.8192E-11
38-Sr- 85-M	38085.	1.	4.4450E-12	2.8448E-12
38-Sr- 85	38085.	0.	8.3255E-12	5.3283E-12
38-Sr- 86	38086.	0.	1.3000E-07	8.3200E-08
38-Sr- 87	38087.	0.	1.6864E-02	3.3728E-04
38-Sr- 87-M	38087.	1.	2.2200E-09	1.4208E-09
38-Sr- 88	38088.	0.	2.1756E-02	4.3512E-04
38-Sr- 89	38089.	0.	2.9212E-02	8.1794E-04
38-Sr- 90	38090.	0.	3.1896E-02	1.2758E-03
38-Sr- 91	38091.	0.	3.8673E-02	1.0828E-03
38-Sr- 92	38092.	0.	3.8762E-02	1.0853E-03
38-Sr- 93	38093.	0.	4.4984E-02	2.6990E-03
38-Sr- 94	38094.	0.	4.5290E-02	4.9819E-03
38-Sr- 95	38095.	0.	4.2820E-02	6.8512E-03
38-Sr- 96	38096.	0.	3.8709E-02	8.9030E-03
38-Sr- 97	38097.	0.	2.3159E-02	5.3266E-03
38-Sr- 98	38098.	0.	1.1865E-02	2.7289E-03
38-Sr- 99	38099.	0.	4.4641E-03	2.8571E-03
38-Sr-100	38100.	0.	1.0684E-03	6.8378E-04
38-Sr-101	38101.	0.	2.2530E-04	1.4419E-04
38-Sr-102	38102.	0.	2.5080E-05	1.6051E-05
38-Sr-103	38103.	0.	1.6328E-06	1.0450E-06
38-Sr-104	38104.	0.	1.4200E-07	9.0880E-08
38-Sr-105	38105.	0.	5.9673E-10	3.8191E-10
38-Sr-106	38106.	0.	1.5452E-10	9.8893E-11
38-Sr-107	38107.	0.	3.4905E-11	2.2339E-11
39-Y - 85	39085.	0.	0.0000E+00	0.0000E+00
39-Y - 87	39087.	0.	1.5500E-12	9.9200E-13
39-Y - 88	39088.	0.	9.4300E-11	6.0352E-11
39-Y - 89	39089.	0.	2.9212E-02	5.8425E-04
39-Y - 89-M	39089.	1.	2.9300E-06	8.2040E-08
39-Y - 90-M	39090.	1.	7.5000E-08	4.8000E-08
39-Y - 90	39090.	0.	3.1896E-02	2.0413E-02
39-Y - 91-M	39091.	1.	2.2432E-02	1.4356E-02
39-Y - 91	39091.	0.	3.8676E-02	2.4753E-02
39-Y - 92	39092.	0.	3.8794E-02	7.7587E-04
39-Y - 93-M	39093.	1.	1.5718E-02	1.0059E-02
39-Y - 93	39093.	0.	4.5290E-02	2.8986E-02
39-Y - 94	39094.	0.	4.6937E-02	2.8163E-03
39-Y - 95	39095.	0.	4.8797E-02	1.9519E-03
39-Y - 96	39096.	0.	5.4890E-02	8.7824E-03
39-Y - 96-M	39096.	1.	1.5210E-02	3.4984E-03

39-Y - 97-M	39097.	1.	0.0000E+00	0.0000E+00
39-Y - 97	39097.	0.	4.9268E-02	5.4195E-03
39-Y - 98	39098.	0.	2.7841E-02	4.4546E-03
39-Y - 98-M	39098.	1.	1.5980E-02	3.6753E-03
39-Y - 99	39099.	0.	3.4203E-02	7.8668E-03
39-Y -100	39100.	0.	1.7756E-02	4.0840E-03
39-Y -101	39101.	0.	9.0182E-03	4.0582E-03
39-Y -102	39102.	0.	2.4632E-03	1.5764E-03
39-Y -103	39103.	0.	5.9824E-04	3.8288E-04
39-Y -104	39104.	0.	9.1280E-05	5.8419E-05
39-Y -105	39105.	0.	2.9587E-06	1.8936E-06
39-Y -106	39106.	0.	7.6614E-07	4.9033E-07
39-Y -107	39107.	0.	1.7306E-07	1.1076E-07
39-Y -108	39108.	0.	6.9179E-10	4.4275E-10
39-Y -109	39109.	0.	5.1608E-11	3.3029E-11
39-Y -110	39110.	0.	3.3480E-12	2.1427E-12
40-Zr- 87	40087.	0.	0.0000E+00	0.0000E+00
40-Zr- 88	40088.	0.	0.0000E+00	0.0000E+00
40-Zr- 89	40089.	0.	2.3900E-13	1.5296E-13
40-Zr- 90-M	40090.	1.	9.2500E-12	5.9200E-12
40-Zr- 90	40090.	0.	3.1896E-02	2.0413E-02
40-Zr- 91	40091.	0.	3.8676E-02	7.7352E-04
40-Zr- 92	40092.	0.	3.8794E-02	7.7587E-04
40-Zr- 93	40093.	0.	4.5291E-02	1.2682E-03
40-Zr- 94	40094.	0.	4.6950E-02	2.8170E-03
40-Zr- 95	40095.	0.	4.8918E-02	9.7836E-04
40-Zr- 96	40096.	0.	5.5754E-02	6.1329E-03
40-Zr- 97	40097.	0.	5.2761E-02	7.3865E-04
40-Zr- 98	40098.	0.	5.4339E-02	8.6943E-03
40-Zr- 99	40099.	0.	5.5363E-02	8.8581E-03
40-Zr-100	40100.	0.	4.4949E-02	7.1918E-03
40-Zr-101	40101.	0.	4.2354E-02	9.7415E-03
40-Zr-102	40102.	0.	2.3850E-02	5.4854E-03
40-Zr-103	40103.	0.	1.3083E-02	3.0090E-03
40-Zr-104	40104.	0.	4.7451E-03	3.0369E-03
40-Zr-105	40105.	0.	1.0840E-03	6.9377E-04
40-Zr-106	40106.	0.	2.8070E-04	1.7965E-04
40-Zr-107	40107.	0.	6.3407E-05	4.0581E-05
40-Zr-108	40108.	0.	3.4300E-06	2.1952E-06
40-Zr-109	40109.	0.	2.5588E-07	1.6376E-07
40-Zr-110	40110.	0.	1.6600E-08	1.0624E-08
40-Zr-111	40111.	0.	1.4186E-10	9.0790E-11
40-Zr-112	40112.	0.	3.1625E-11	2.0240E-11
40-Zr-113	40113.	0.	1.0695E-11	6.8447E-12
41-Nb- 89	41089.	0.	0.0000E+00	0.0000E+00
41-Nb- 90	41090.	0.	0.0000E+00	0.0000E+00
41-Nb- 91	41091.	0.	2.8800E-14	1.8432E-14
41-Nb- 92	41092.	0.	2.3100E-12	1.4784E-12
41-Nb- 93	41093.	0.	4.5291E-02	1.2682E-03
41-Nb- 93-M	41093.	1.	4.3027E-02	1.2048E-03
41-Nb- 94	41094.	0.	7.2300E-09	4.6272E-09
41-Nb- 94-M	41094.	1.	1.8800E-09	1.2032E-09
41-Nb- 95	41095.	0.	4.8918E-02	9.7837E-04
41-Nb- 95-M	41095.	1.	4.8920E-04	9.7840E-06
41-Nb- 96	41096.	0.	1.0800E-06	6.9120E-07
41-Nb- 97	41097.	0.	5.2800E-02	7.3920E-04
41-Nb- 97-M	41097.	1.	4.9600E-02	6.9439E-04
41-Nb- 98	41098.	0.	5.4596E-02	8.7354E-03

41-Nb- 98-M	41098.	1.	4.5380E-05	2.9043E-05
41-Nb- 99	41099.	0.	3.8889E-02	4.2777E-03
41-Nb- 99-M	41099.	1.	1.8154E-02	2.9047E-03
41-Nb-100	41100.	0.	2.4949E-02	5.7382E-03
41-Nb-100-M	41100.	1.	2.4949E-02	5.7382E-03
41-Nb-101	41101.	0.	5.6374E-02	4.5099E-03
41-Nb-102-M	41102.	1.	1.0132E-02	6.4845E-03
41-Nb-102	41102.	0.	3.3982E-02	2.1748E-02
41-Nb-103	41103.	0.	3.9702E-02	9.1315E-03
41-Nb-104-M	41104.	1.	1.1289E-02	7.2248E-03
41-Nb-104	41104.	0.	1.6037E-02	1.0264E-02
41-Nb-105	41105.	0.	1.3923E-02	3.2024E-03
41-Nb-106	41106.	0.	6.5730E-03	2.9578E-03
41-Nb-107	41107.	0.	1.9681E-03	1.2596E-03
41-Nb-108	41108.	0.	4.4282E-04	2.8341E-04
41-Nb-109	41109.	0.	9.3750E-05	6.0000E-05
41-Nb-110	41110.	0.	1.3790E-05	8.8256E-06
41-Nb-111	41111.	0.	7.0337E-07	4.5015E-07
41-Nb-112	41112.	0.	1.5680E-07	1.0035E-07
41-Nb-113	41113.	0.	5.3027E-08	3.3937E-08
41-Nb-114	41114.	0.	1.2142E-10	7.7706E-11
41-Nb-115	41115.	0.	2.2296E-11	1.4269E-11
41-Nb-116	41116.	0.	5.4052E-13	3.4594E-13
42-Mo- 90	42090.	0.	0.0000E+00	0.0000E+00
42-Mo- 91	42091.	0.	0.0000E+00	0.0000E+00
42-Mo- 92	42092.	0.	0.0000E+00	0.0000E+00
42-Mo- 93-M	42093.	1.	0.0000E+00	0.0000E+00
42-Mo- 93	42093.	0.	0.0000E+00	0.0000E+00
42-Mo- 94	42094.	0.	7.2300E-09	4.6272E-09
42-Mo- 95	42095.	0.	4.8918E-02	9.7837E-04
42-Mo- 96	42096.	0.	1.0800E-06	6.9120E-07
42-Mo- 97	42097.	0.	5.2800E-02	7.3921E-04
42-Mo- 98	42098.	0.	5.4643E-02	6.0107E-03
42-Mo- 99	42099.	0.	5.7054E-02	7.9876E-04
42-Mo-100	42100.	0.	4.9981E-02	5.4979E-03
42-Mo-101	42101.	0.	5.6976E-02	2.2790E-03
42-Mo-102	42102.	0.	4.6198E-02	5.0818E-03
42-Mo-103	42103.	0.	4.6014E-02	3.6811E-03
42-Mo-104	42104.	0.	3.9583E-02	3.1666E-03
42-Mo-105	42105.	0.	2.9889E-02	4.7822E-03
42-Mo-106	42106.	0.	2.0836E-02	4.7923E-03
42-Mo-107	42107.	0.	1.1517E-02	5.1828E-03
42-Mo-108	42108.	0.	5.4148E-03	3.4655E-03
42-Mo-109	42109.	0.	2.5788E-03	1.6505E-03
42-Mo-110	42110.	0.	9.1371E-04	5.8478E-04
42-Mo-111	42111.	0.	2.5770E-04	1.6493E-04
42-Mo-112	42112.	0.	5.7450E-05	3.6768E-05
42-Mo-113	42113.	0.	1.9428E-05	1.2434E-05
42-Mo-114	42114.	0.	6.0200E-07	3.8528E-07
42-Mo-115	42115.	0.	1.1055E-07	7.0749E-08
42-Mo-116	42116.	0.	2.6800E-09	1.7152E-09
42-Mo-117	42117.	0.	4.2729E-11	2.7346E-11
42-Mo-118	42118.	0.	1.1511E-11	7.3668E-12
43-Tc- 93	43093.	0.	0.0000E+00	0.0000E+00
43-Tc- 95	43095.	0.	0.0000E+00	0.0000E+00
43-Tc- 95-M	43095.	1.	0.0000E+00	0.0000E+00
43-Tc- 97-M	43097.	1.	1.2350E-12	7.9040E-13
43-Tc- 97	43097.	0.	2.4700E-12	1.5808E-12

43-Tc- 98	43098.	0.	1.3900E-10	8.8960E-11
43-Tc- 99	43099.	0.	5.7054E-02	5.7054E-04
43-Tc- 99-M	43099.	1.	5.0208E-02	7.0291E-04
43-Tc-100	43100.	0.	1.1300E-07	7.2320E-08
43-Tc-101	43101.	0.	5.6978E-02	1.5954E-03
43-Tc-102	43102.	0.	2.3197E-03	2.5517E-04
43-Tc-102-M	43102.	1.	4.6207E-02	5.0828E-03
43-Tc-103	43103.	0.	4.6158E-02	1.8463E-03
43-Tc-104	43104.	0.	4.0258E-02	1.6103E-03
43-Tc-105	43105.	0.	3.2131E-02	1.9278E-03
43-Tc-106	43106.	0.	2.4457E-02	1.4674E-03
43-Tc-107	43107.	0.	1.6657E-02	3.8311E-03
43-Tc-108	43108.	0.	1.1418E-02	5.1379E-03
43-Tc-109	43109.	0.	9.1787E-03	4.1304E-03
43-Tc-110	43110.	0.	6.3884E-03	2.8748E-03
43-Tc-111	43111.	0.	3.8562E-03	2.4679E-03
43-Tc-112	43112.	0.	1.9495E-03	1.2477E-03
43-Tc-113	43113.	0.	6.0302E-04	3.8593E-04
43-Tc-114	43114.	0.	1.2528E-04	8.0180E-05
43-Tc-115	43115.	0.	4.0502E-05	2.5921E-05
43-Tc-116	43116.	0.	3.4600E-06	2.2144E-06
43-Tc-117	43117.	0.	2.1186E-07	1.3559E-07
43-Tc-118	43118.	0.	5.7072E-08	3.6526E-08
43-Tc-119	43119.	0.	5.2439E-10	3.3561E-10
43-Tc-120	43120.	0.	5.8288E-11	3.7304E-11
43-Tc-121	43121.	0.	8.3178E-12	5.3234E-12
44-Ru- 95	44095.	0.	0.0000E+00	0.0000E+00
44-Ru- 96	44096.	0.	0.0000E+00	0.0000E+00
44-Ru- 97	44097.	0.	0.0000E+00	0.0000E+00
44-Ru- 98	44098.	0.	1.3900E-10	8.8960E-11
44-Ru- 99	44099.	0.	5.7054E-02	5.7054E-04
44-Ru-100	44100.	0.	1.1300E-07	7.2320E-08
44-Ru-101	44101.	0.	5.6978E-02	1.5954E-03
44-Ru-102	44102.	0.	4.6217E-02	3.6973E-03
44-Ru-103	44103.	0.	4.6158E-02	9.2317E-04
44-Ru-104	44104.	0.	4.0261E-02	1.6104E-03
44-Ru-105	44105.	0.	3.2159E-02	9.0045E-04
44-Ru-106	44106.	0.	2.4546E-02	6.8729E-04
44-Ru-107	44107.	0.	1.6942E-02	1.8637E-03
44-Ru-108	44108.	0.	1.2215E-02	3.9089E-03
44-Ru-109-M	44109.	1.	9.8044E-04	6.2748E-04
44-Ru-109	44109.	0.	1.0191E-02	6.5221E-03
44-Ru-110	44110.	0.	1.0015E-02	3.2048E-03
44-Ru-111	44111.	0.	9.0557E-03	2.8978E-03
44-Ru-112	44112.	0.	8.0654E-03	2.5809E-03
44-Ru-113	44113.	0.	5.1071E-03	3.2686E-03
44-Ru-114	44114.	0.	2.3289E-03	1.4905E-03
44-Ru-115	44115.	0.	1.2571E-03	8.0457E-04
44-Ru-116	44116.	0.	3.4789E-04	2.2265E-04
44-Ru-117	44117.	0.	7.7620E-05	4.9677E-05
44-Ru-118	44118.	0.	2.0910E-05	1.3382E-05
44-Ru-119	44119.	0.	2.6000E-06	1.6640E-06
44-Ru-120	44120.	0.	2.8900E-07	1.8496E-07
44-Ru-121	44121.	0.	4.1241E-08	2.6394E-08
44-Ru-122	44122.	0.	1.0900E-09	6.9760E-10
44-Ru-123	44123.	0.	3.6707E-11	2.3493E-11
44-Ru-124	44124.	0.	9.4200E-13	6.0288E-13
45-Rh- 99	45099.	0.	0.0000E+00	0.0000E+00

45-Rh-101	45101.	0.	0.0000E+00	0.0000E+00
45-Rh-101-M	45101.	1.	0.0000E+00	0.0000E+00
45-Rh-102	45102.	0.	3.2800E-13	2.0992E-13
45-Rh-102-M	45102.	1.	3.2800E-13	2.0992E-13
45-Rh-103	45103.	0.	4.6158E-02	9.2317E-04
45-Rh-103-M	45103.	1.	4.5697E-02	9.1393E-04
45-Rh-104	45104.	0.	1.0800E-09	6.9120E-10
45-Rh-104-M	45104.	1.	9.1800E-10	5.8752E-10
45-Rh-105	45105.	0.	3.2159E-02	6.4318E-04
45-Rh-105-M	45105.	1.	8.6829E-03	2.4312E-04
45-Rh-106	45106.	0.	2.4546E-02	6.8729E-04
45-Rh-106-M	45106.	1.	8.6600E-08	5.5424E-08
45-Rh-107	45107.	0.	1.6944E-02	1.0166E-03
45-Rh-108	45108.	0.	1.2220E-02	2.8106E-03
45-Rh-108-M	45108.	1.	4.7400E-06	3.0336E-06
45-Rh-109	45109.	0.	1.1228E-02	7.1860E-03
45-Rh-109-M	45109.	1.	5.1239E-03	3.2793E-03
45-Rh-110	45110.	0.	1.0144E-02	2.3331E-03
45-Rh-110-M	45110.	1.	1.2896E-04	8.2535E-05
45-Rh-111	45111.	0.	9.9097E-03	2.2792E-03
45-Rh-112	45112.	0.	1.0246E-02	1.1271E-03
45-Rh-113	45113.	0.	8.8222E-03	2.8231E-03
45-Rh-114	45114.	0.	6.3570E-03	2.8607E-03
45-Rh-115	45115.	0.	6.2411E-03	3.9943E-03
45-Rh-116	45116.	0.	3.4396E-03	2.2014E-03
45-Rh-117	45117.	0.	1.6975E-03	1.0864E-03
45-Rh-118	45118.	0.	1.0375E-03	6.6399E-04
45-Rh-119	45119.	0.	3.0371E-04	1.9437E-04
45-Rh-120	45120.	0.	8.1530E-05	5.2179E-05
45-Rh-121	45121.	0.	1.5110E-05	9.6704E-06
45-Rh-122	45122.	0.	1.9900E-06	1.2736E-06
45-Rh-123	45123.	0.	1.8200E-07	1.1648E-07
45-Rh-124	45124.	0.	1.2100E-08	7.7440E-09
45-Rh-125	45125.	0.	2.6421E-10	1.6910E-10
45-Rh-126	45126.	0.	2.1984E-11	1.4070E-11
45-Rh-127	45127.	0.	4.4314E-12	2.8361E-12
46-Pd- 99	46099.	0.	0.0000E+00	0.0000E+00
46-Pd-101	46101.	0.	0.0000E+00	0.0000E+00
46-Pd-102	46102.	0.	5.2500E-14	3.3600E-14
46-Pd-103	46103.	0.	0.0000E+00	0.0000E+00
46-Pd-104	46104.	0.	1.0700E-09	6.8480E-10
46-Pd-105	46105.	0.	3.2159E-02	4.5023E-04
46-Pd-106	46106.	0.	2.4546E-02	6.8729E-04
46-Pd-107	46107.	0.	1.6944E-02	1.0166E-03
46-Pd-107-M	46107.	1.	3.8000E-10	2.4320E-10
46-Pd-108	46108.	0.	1.2225E-02	1.9559E-03
46-Pd-109	46109.	0.	1.1228E-02	7.1861E-03
46-Pd-109-M	46109.	1.	1.0700E-07	6.8480E-08
46-Pd-110	46110.	0.	1.0274E-02	1.1302E-03
46-Pd-111	46111.	0.	9.9073E-03	1.5852E-03
46-Pd-111-M	46111.	1.	5.2750E-05	1.6880E-05
46-Pd-112	46112.	0.	1.0327E-02	6.1960E-04
46-Pd-113	46113.	0.	9.1410E-03	1.4626E-03
46-Pd-114	46114.	0.	7.1732E-03	2.2954E-03
46-Pd-115	46115.	0.	8.4714E-03	2.7108E-03
46-Pd-116	46116.	0.	6.4398E-03	2.8979E-03
46-Pd-117	46117.	0.	5.2095E-03	2.3443E-03
46-Pd-118	46118.	0.	5.7528E-03	2.5888E-03

46-Pd-119	46119.	0.	3.4087E-03	2.1816E-03
46-Pd-120	46120.	0.	1.9918E-03	1.2748E-03
46-Pd-121	46121.	0.	8.6632E-04	5.5445E-04
46-Pd-122	46122.	0.	2.7618E-04	1.7676E-04
46-Pd-123	46123.	0.	6.4600E-05	4.1344E-05
46-Pd-124	46124.	0.	1.1120E-05	7.1168E-06
46-Pd-125	46125.	0.	1.3100E-06	8.3840E-07
46-Pd-126	46126.	0.	1.0900E-07	6.9760E-08
46-Pd-127	46127.	0.	2.1972E-08	1.4062E-08
46-Pd-128	46128.	0.	3.4200E-10	2.1888E-10
46-Pd-129	46129.	0.	3.7163E-11	2.3785E-11
46-Pd-130	46130.	0.	1.3400E-12	8.5760E-13
47-Ag-103	47103.	0.	0.0000E+00	0.0000E+00
47-Ag-105	47105.	0.	0.0000E+00	0.0000E+00
47-Ag-105-M	47105.	1.	0.0000E+00	0.0000E+00
47-Ag-106	47106.	0.	0.0000E+00	0.0000E+00
47-Ag-106-M	47106.	1.	0.0000E+00	0.0000E+00
47-Ag-107	47107.	0.	1.6944E-02	1.0166E-03
47-Ag-107-M	47107.	1.	1.1100E-14	7.1040E-15
47-Ag-108-M	47108.	1.	2.9750E-13	1.9040E-13
47-Ag-108	47108.	0.	3.2338E-13	2.0697E-13
47-Ag-109-M	47109.	1.	1.1223E-02	7.1827E-03
47-Ag-109	47109.	0.	1.1228E-02	7.1861E-03
47-Ag-110	47110.	0.	1.3900E-10	8.8960E-11
47-Ag-110-M	47110.	1.	5.9600E-10	3.8144E-10
47-Ag-111	47111.	0.	9.8929E-03	2.7700E-04
47-Ag-111-M	47111.	1.	9.8494E-03	7.8796E-04
47-Ag-112	47112.	0.	1.0327E-02	4.1308E-04
47-Ag-113	47113.	0.	8.2271E-03	4.9362E-04
47-Ag-113-M	47113.	1.	9.1634E-04	4.1236E-04
47-Ag-114	47114.	0.	7.1889E-03	1.6534E-03
47-Ag-115	47115.	0.	6.2335E-03	6.8568E-04
47-Ag-115-M	47115.	1.	2.3366E-03	1.0515E-03
47-Ag-116	47116.	0.	3.3767E-03	1.5195E-03
47-Ag-116-M	47116.	1.	3.3767E-03	1.5195E-03
47-Ag-117	47117.	0.	3.0142E-03	1.3564E-03
47-Ag-117-M	47117.	1.	3.0142E-03	9.6453E-04
47-Ag-118	47118.	0.	5.9721E-03	1.9111E-03
47-Ag-118-M	47118.	1.	4.0905E-03	1.8407E-03
47-Ag-119	47119.	0.	6.8428E-03	3.0793E-03
47-Ag-120-M	47120.	1.	2.2729E-03	1.4546E-03
47-Ag-120	47120.	0.	5.1056E-03	3.2676E-03
47-Ag-121	47121.	0.	5.3865E-03	3.4474E-03
47-Ag-122-M	47122.	1.	1.6637E-03	1.0648E-03
47-Ag-122	47122.	0.	1.9399E-03	1.2415E-03
47-Ag-123	47123.	0.	1.9448E-03	1.2447E-03
47-Ag-124	47124.	0.	8.1188E-04	5.1961E-04
47-Ag-125	47125.	0.	2.4570E-04	1.5725E-04
47-Ag-126	47126.	0.	5.2540E-05	3.3626E-05
47-Ag-127	47127.	0.	8.0500E-06	5.1520E-06
47-Ag-128	47128.	0.	1.1100E-06	7.1040E-07
47-Ag-129	47129.	0.	1.8426E-07	1.1793E-07
47-Ag-130	47130.	0.	2.0700E-08	1.3248E-08
47-Ag-131	47131.	0.	5.0624E-10	3.2399E-10
47-Ag-132	47132.	0.	3.1262E-11	2.0008E-11
48-Cd-105	48105.	0.	0.0000E+00	0.0000E+00
48-Cd-106	48106.	0.	0.0000E+00	0.0000E+00
48-Cd-107	48107.	0.	0.0000E+00	0.0000E+00

48-Cd-108	48108.	0.	5.8100E-13	3.7184E-13
48-Cd-109	48109.	0.	0.0000E+00	0.0000E+00
48-Cd-110	48110.	0.	7.2700E-10	4.6528E-10
48-Cd-111	48111.	0.	9.9225E-03	2.7783E-04
48-Cd-111-M	48111.	1.	1.1100E-12	7.1040E-13
48-Cd-112	48112.	0.	1.0327E-02	2.8915E-04
48-Cd-113	48113.	0.	9.0366E-03	5.4219E-04
48-Cd-113-M	48113.	1.	1.0695E-04	6.4170E-06
48-Cd-114	48114.	0.	7.1889E-03	7.9078E-04
48-Cd-115	48115.	0.	7.8611E-03	3.1445E-04
48-Cd-115-M	48115.	1.	7.0933E-04	4.2560E-05
48-Cd-116	48116.	0.	6.7564E-03	7.4320E-04
48-Cd-117	48117.	0.	4.5238E-03	3.6191E-04
48-Cd-117-M	48117.	1.	1.5232E-03	1.2185E-04
48-Cd-118	48118.	0.	8.3096E-03	1.3295E-03
48-Cd-119	48119.	0.	3.6275E-03	1.6324E-03
48-Cd-119-M	48119.	1.	3.6275E-03	1.6324E-03
48-Cd-120	48120.	0.	7.7430E-03	3.4844E-03
48-Cd-121-M	48121.	1.	1.3892E-03	8.8911E-04
48-Cd-121	48121.	0.	6.7824E-03	4.3407E-03
48-Cd-122	48122.	0.	7.8906E-03	2.5250E-03
48-Cd-123	48123.	0.	7.3927E-03	3.3267E-03
48-Cd-124	48124.	0.	6.1475E-03	2.7664E-03
48-Cd-125	48125.	0.	4.1755E-03	2.6723E-03
48-Cd-126	48126.	0.	2.0988E-03	1.3433E-03
48-Cd-127	48127.	0.	7.9072E-04	5.0606E-04
48-Cd-128	48128.	0.	2.6756E-04	1.7124E-04
48-Cd-129	48129.	0.	6.7510E-05	4.3207E-05
48-Cd-130	48130.	0.	2.2820E-05	1.4605E-05
48-Cd-131	48131.	0.	2.5100E-06	1.6064E-06
48-Cd-132	48132.	0.	1.5500E-07	9.9200E-08
48-Cd-133	48133.	0.	2.3436E-09	1.4999E-09
48-Cd-134	48134.	0.	1.0800E-10	6.9120E-11
48-Cd-135	48135.	0.	1.6371E-11	1.0478E-11
48-Cd-136	48136.	0.	1.2600E-14	8.0640E-15
49-In-107	49107.	0.	0.0000E+00	0.0000E+00
49-In-109	49109.	0.	0.0000E+00	0.0000E+00
49-In-111	49111.	0.	0.0000E+00	0.0000E+00
49-In-112	49112.	0.	0.0000E+00	0.0000E+00
49-In-112-M	49112.	1.	0.0000E+00	0.0000E+00
49-In-113	49113.	0.	9.1434E-03	5.4860E-04
49-In-113-M	49113.	1.	0.0000E+00	0.0000E+00
49-In-114	49114.	0.	2.5900E-12	1.6576E-12
49-In-114-M	49114.	1.	2.2700E-12	1.4528E-12
49-In-115	49115.	0.	8.2796E-03	3.3119E-04
49-In-115-M	49115.	1.	7.8612E-03	3.1445E-04
49-In-116-N	49116.	2.	7.0667E-10	4.5227E-10
49-In-116	49116.	0.	7.0667E-10	4.5227E-10
49-In-116-M	49116.	1.	1.4133E-09	9.0454E-10
49-In-117	49117.	0.	3.8331E-03	2.2999E-04
49-In-117-M	49117.	1.	4.1772E-03	3.3417E-04
49-In-118-N	49118.	2.	4.1450E-08	2.6528E-08
49-In-118	49118.	0.	8.3101E-03	1.3296E-03
49-In-118-M	49118.	1.	8.2279E-08	5.2658E-08
49-In-119	49119.	0.	3.8129E-03	1.7158E-03
49-In-119-M	49119.	1.	3.6280E-03	1.6326E-03
49-In-120-N	49120.	2.	0.0000E+00	0.0000E+00
49-In-120	49120.	0.	3.8871E-03	1.7492E-03

49-In-120-M	49120.	1.	3.8871E-03	1.7492E-03
49-In-121	49121.	0.	1.6152E-03	1.0337E-03
49-In-121-M	49121.	1.	6.8002E-03	4.3521E-03
49-In-122-N	49122.	2.	0.0000E+00	0.0000E+00
49-In-122	49122.	0.	8.1927E-03	1.8843E-03
49-In-122-M	49122.	1.	3.0208E-04	1.9333E-04
49-In-123	49123.	0.	7.2665E-03	3.2699E-03
49-In-123-M	49123.	1.	1.8949E-03	6.0636E-04
49-In-124-M	49124.	1.	1.9496E-03	1.2477E-03
49-In-124	49124.	0.	8.0971E-03	5.1821E-03
49-In-125	49125.	0.	6.1818E-03	2.7818E-03
49-In-125-M	49125.	1.	4.5420E-03	2.9069E-03
49-In-126-M	49126.	1.	5.9762E-03	3.8247E-03
49-In-126	49126.	0.	3.8773E-03	2.4815E-03
49-In-127	49127.	0.	3.8281E-03	2.4500E-03
49-In-127-M	49127.	1.	3.8281E-03	2.4500E-03
49-In-128-M	49128.	1.	2.7149E-03	1.7375E-03
49-In-128	49128.	0.	2.9822E-03	1.9086E-03
49-In-129	49129.	0.	1.5198E-03	9.7269E-04
49-In-129-M	49129.	1.	1.4523E-03	9.2948E-04
49-In-130-N	49130.	2.	0.0000E+00	0.0000E+00
49-In-130-M	49130.	1.	0.0000E+00	0.0000E+00
49-In-130	49130.	0.	1.9798E-03	1.2671E-03
49-In-131-M	49131.	1.	0.0000E+00	0.0000E+00
49-In-131	49131.	0.	5.9296E-04	3.7950E-04
49-In-132	49132.	0.	1.0222E-04	6.5421E-05
49-In-133	49133.	0.	1.1620E-05	7.4368E-06
49-In-134	49134.	0.	6.5500E-07	4.1920E-07
49-In-135	49135.	0.	8.1172E-08	5.1950E-08
49-In-136	49136.	0.	6.4800E-10	4.1472E-10
49-In-137	49137.	0.	2.6018E-11	1.6651E-11
50-Sn-111	50111.	0.	0.0000E+00	0.0000E+00
50-Sn-112	50112.	0.	0.0000E+00	0.0000E+00
50-Sn-113-M	50113.	1.	0.0000E+00	0.0000E+00
50-Sn-113	50113.	0.	0.0000E+00	0.0000E+00
50-Sn-114	50114.	0.	2.5400E-12	1.6256E-12
50-Sn-115	50115.	0.	8.5705E-03	2.3997E-04
50-Sn-116	50116.	0.	2.1200E-09	9.5400E-10
50-Sn-117-M	50117.	1.	1.2266E-05	7.8502E-06
50-Sn-117	50117.	0.	6.0470E-03	3.8701E-03
50-Sn-118	50118.	0.	8.3102E-03	9.1412E-04
50-Sn-119	50119.	0.	7.2595E-03	7.9855E-04
50-Sn-119-M	50119.	1.	1.9065E-04	8.5793E-05
50-Sn-120	50120.	0.	7.7742E-03	8.5516E-04
50-Sn-121	50121.	0.	8.2936E-03	5.3079E-03
50-Sn-121-M	50121.	1.	1.8321E-04	1.1725E-04
50-Sn-122	50122.	0.	8.5026E-03	9.3528E-04
50-Sn-123	50123.	0.	4.6490E-05	2.9754E-05
50-Sn-123-M	50123.	1.	9.1716E-03	2.1095E-03
50-Sn-124	50124.	0.	1.0348E-02	1.1383E-03
50-Sn-125	50125.	0.	6.3609E-03	3.8165E-04
50-Sn-125-M	50125.	1.	5.5812E-03	1.2837E-03
50-Sn-126	50126.	0.	1.3151E-02	2.1042E-03
50-Sn-127	50127.	0.	1.1188E-02	2.5732E-03
50-Sn-127-M	50127.	1.	3.0747E-03	1.3836E-03
50-Sn-128-M	50128.	1.	5.6508E-03	3.6165E-03
50-Sn-128	50128.	0.	1.7040E-02	1.0905E-02
50-Sn-129	50129.	0.	1.2803E-02	5.7613E-03

50-Sn-129-M	50129.	1.	2.1779E-03	1.3939E-03
50-Sn-130-M	50130.	1.	8.2240E-03	5.2634E-03
50-Sn-130	50130.	0.	9.0459E-03	5.7893E-03
50-Sn-131-M	50131.	1.	5.9029E-03	3.7778E-03
50-Sn-131	50131.	0.	6.4322E-03	4.1166E-03
50-Sn-132	50132.	0.	5.4380E-03	2.4471E-03
50-Sn-133	50133.	0.	1.7433E-03	1.1157E-03
50-Sn-134	50134.	0.	2.9276E-04	1.8737E-04
50-Sn-135	50135.	0.	2.9740E-05	1.9034E-05
50-Sn-136	50136.	0.	2.3300E-06	1.4912E-06
50-Sn-137	50137.	0.	1.2900E-07	8.2560E-08
50-Sn-138	50138.	0.	1.9200E-08	1.2288E-08
50-Sn-139	50139.	0.	1.6478E-10	1.0546E-10
50-Sn-140	50140.	0.	2.6010E-11	1.6647E-11
51-Sb-113	51113.	0.	0.0000E+00	0.0000E+00
51-Sb-115	51115.	0.	0.0000E+00	0.0000E+00
51-Sb-117	51117.	0.	0.0000E+00	0.0000E+00
51-Sb-118	51118.	0.	0.0000E+00	0.0000E+00
51-Sb-118-M	51118.	1.	0.0000E+00	0.0000E+00
51-Sb-119	51119.	0.	2.2800E-13	1.4592E-13
51-Sb-120	51120.	0.	2.5700E-12	1.6448E-12
51-Sb-120-M	51120.	1.	7.3300E-12	4.6912E-12
51-Sb-121	51121.	0.	8.3346E-03	3.3339E-04
51-Sb-122	51122.	0.	7.9100E-09	5.0624E-09
51-Sb-122-M	51122.	1.	5.5400E-09	3.5456E-09
51-Sb-123	51123.	0.	9.2182E-03	1.0140E-03
51-Sb-124-N	51124.	2.	0.0000E+00	0.0000E+00
51-Sb-124	51124.	0.	2.0300E-06	1.2992E-06
51-Sb-124-M	51124.	1.	1.0200E-06	6.5280E-07
51-Sb-125	51125.	0.	1.1963E-02	7.1780E-04
51-Sb-126-N	51126.	2.	8.8289E-03	5.6505E-03
51-Sb-126	51126.	0.	1.9115E-03	3.0583E-04
51-Sb-126-M	51126.	1.	1.3186E-02	2.1098E-03
51-Sb-127	51127.	0.	1.4928E-02	4.1799E-04
51-Sb-128	51128.	0.	2.0048E-03	1.2830E-03
51-Sb-128-M	51128.	1.	1.8063E-02	1.1560E-02
51-Sb-129	51129.	0.	2.0541E-02	1.6433E-03
51-Sb-130	51130.	0.	1.5650E-02	1.0016E-02
51-Sb-130-M	51130.	1.	1.4648E-02	9.3747E-03
51-Sb-131	51131.	0.	3.7233E-02	2.9787E-03
51-Sb-132	51132.	0.	1.3057E-02	3.0030E-03
51-Sb-132-M	51132.	1.	1.8888E-02	4.3443E-03
51-Sb-133	51133.	0.	2.4319E-02	5.5933E-03
51-Sb-134-M	51134.	1.	5.2993E-03	3.3916E-03
51-Sb-134	51134.	0.	5.5385E-03	3.5447E-03
51-Sb-135	51135.	0.	2.9942E-03	1.9163E-03
51-Sb-136	51136.	0.	6.2387E-04	3.9928E-04
51-Sb-137	51137.	0.	9.1930E-05	5.8835E-05
51-Sb-138	51138.	0.	3.5750E-05	2.2880E-05
51-Sb-139	51139.	0.	8.1700E-07	5.2288E-07
51-Sb-140	51140.	0.	1.2896E-07	8.2537E-08
51-Sb-141	51141.	0.	4.4065E-10	2.8202E-10
51-Sb-142	51142.	0.	4.9615E-11	3.1754E-11
52-Te-115	52115.	0.	0.0000E+00	0.0000E+00
52-Te-117	52117.	0.	0.0000E+00	0.0000E+00
52-Te-118	52118.	0.	0.0000E+00	0.0000E+00
52-Te-119	52119.	0.	0.0000E+00	0.0000E+00
52-Te-120	52120.	0.	0.0000E+00	0.0000E+00

52-Te-121-M	52121.	1.	0.0000E+00	0.0000E+00
52-Te-121	52121.	0.	0.0000E+00	0.0000E+00
52-Te-122	52122.	0.	7.6700E-09	3.4515E-09
52-Te-123	52123.	0.	2.8900E-11	1.8496E-11
52-Te-123-M	52123.	1.	2.4900E-11	1.5936E-11
52-Te-124	52124.	0.	2.0400E-06	1.3056E-06
52-Te-125	52125.	0.	1.1963E-02	4.7853E-04
52-Te-125-M	52125.	1.	2.6918E-03	1.6151E-04
52-Te-126	52126.	0.	1.3252E-02	2.1203E-03
52-Te-127	52127.	0.	1.4877E-02	4.1656E-04
52-Te-127-M	52127.	1.	2.3936E-03	6.7020E-05
52-Te-128	52128.	0.	1.9470E-02	1.5576E-03
52-Te-129	52129.	0.	1.9463E-02	1.1678E-03
52-Te-129-M	52129.	1.	3.6009E-03	2.8807E-04
52-Te-130	52130.	0.	3.1483E-02	5.0373E-03
52-Te-131	52131.	0.	3.6362E-02	1.4545E-03
52-Te-131-M	52131.	1.	4.2036E-03	2.5222E-04
52-Te-132	52132.	0.	4.6522E-02	6.5131E-04
52-Te-133	52133.	0.	2.4318E-02	5.5931E-03
52-Te-133-M	52133.	1.	3.5636E-02	8.1963E-03
52-Te-134	52134.	0.	4.8597E-02	1.3607E-03
52-Te-135	52135.	0.	2.9191E-02	6.7139E-03
52-Te-136	52136.	0.	1.4387E-02	3.3091E-03
52-Te-137	52137.	0.	5.2476E-03	2.3614E-03
52-Te-138	52138.	0.	5.0966E-03	3.2618E-03
52-Te-139	52139.	0.	2.9755E-04	1.9043E-04
52-Te-140	52140.	0.	4.7250E-05	3.0240E-05
52-Te-141	52141.	0.	2.1848E-06	1.3983E-06
52-Te-142	52142.	0.	2.4600E-07	1.5744E-07
52-Te-143	52143.	0.	1.0685E-09	6.8385E-10
52-Te-144	52144.	0.	2.0535E-10	1.3142E-10
52-Te-145	52145.	0.	2.3577E-11	1.5089E-11
53-I -121	53121.	0.	0.0000E+00	0.0000E+00
53-I -123	53123.	0.	0.0000E+00	0.0000E+00
53-I -125	53125.	0.	2.7900E-12	1.7856E-12
53-I -126	53126.	0.	7.9300E-11	5.0752E-11
53-I -127	53127.	0.	1.4934E-02	8.9607E-04
53-I -128	53128.	0.	9.4800E-08	6.0672E-08
53-I -129	53129.	0.	2.0775E-02	1.2465E-03
53-I -130	53130.	0.	9.2900E-06	5.9456E-06
53-I -130-M	53130.	1.	1.7200E-06	1.1008E-06
53-I -131	53131.	0.	3.9925E-02	7.9849E-04
53-I -132-M	53132.	1.	9.2762E-04	5.9368E-04
53-I -132	53132.	0.	4.8255E-02	3.0883E-02
53-I -133-M	53133.	1.	2.3387E-03	1.4968E-03
53-I -133	53133.	0.	5.9999E-02	3.8399E-02
53-I -134	53134.	0.	6.3726E-02	7.0099E-03
53-I -134-M	53134.	1.	9.3428E-03	5.9794E-03
53-I -135	53135.	0.	5.5043E-02	1.1009E-03
53-I -136	53136.	0.	3.0086E-02	4.8137E-03
53-I -136-M	53136.	1.	1.5937E-02	3.6655E-03
53-I -137	53137.	0.	3.1214E-02	2.4971E-03
53-I -138	53138.	0.	2.7434E-02	3.0177E-03
53-I -139	53139.	0.	9.1454E-03	5.8530E-03
53-I -140	53140.	0.	3.5407E-03	2.2661E-03
53-I -141	53141.	0.	8.0048E-04	5.1231E-04
53-I -142	53142.	0.	1.2192E-04	3.9015E-05
53-I -143	53143.	0.	5.2979E-06	3.3907E-06

53-I -144	53144.	0.	1.0181E-06	6.5161E-07
53-I -145	53145.	0.	1.1690E-07	7.4816E-08
53-I -146	53146.	0.	6.9381E-10	4.4404E-10
53-I -147	53147.	0.	5.7418E-11	3.6747E-11
54-Xe-124	54124.	0.	0.0000E+00	0.0000E+00
54-Xe-125-M	54125.	1.	0.0000E+00	0.0000E+00
54-Xe-125	54125.	0.	0.0000E+00	0.0000E+00
54-Xe-126	54126.	0.	3.4900E-11	2.2336E-11
54-Xe-127-M	54127.	1.	1.0800E-13	6.9120E-14
54-Xe-127	54127.	0.	2.1600E-13	1.3824E-13
54-Xe-128	54128.	0.	8.8800E-08	5.6832E-08
54-Xe-129-M	54129.	1.	1.3650E-10	8.7360E-11
54-Xe-129	54129.	0.	2.0775E-02	1.3296E-02
54-Xe-130	54130.	0.	9.5500E-06	6.1120E-06
54-Xe-131	54131.	0.	3.9925E-02	5.5894E-04
54-Xe-131-M	54131.	1.	5.5895E-04	1.5651E-05
54-Xe-132	54132.	0.	4.8381E-02	4.8381E-04
54-Xe-133	54133.	0.	6.0172E-02	3.8510E-02
54-Xe-133-M	54133.	1.	1.8721E-03	1.1982E-03
54-Xe-134	54134.	0.	6.4531E-02	1.2906E-03
54-Xe-134-M	54134.	1.	6.9333E-04	4.4373E-04
54-Xe-135	54135.	0.	5.8393E-02	1.1679E-03
54-Xe-135-M	54135.	1.	1.0112E-02	2.3257E-03
54-Xe-136	54136.	0.	5.6244E-02	1.1249E-03
54-Xe-137	54137.	0.	4.7249E-02	1.3230E-03
54-Xe-138	54138.	0.	4.5309E-02	9.0617E-04
54-Xe-139	54139.	0.	3.3917E-02	2.0350E-03
54-Xe-140	54140.	0.	2.7368E-02	1.0947E-03
54-Xe-141	54141.	0.	1.3591E-02	5.4366E-04
54-Xe-142	54142.	0.	4.9266E-03	1.9707E-04
54-Xe-143-M	54143.	1.	9.6789E-04	6.1945E-04
54-Xe-143	54143.	0.	9.7318E-04	6.2284E-04
54-Xe-144	54144.	0.	3.7303E-04	2.3874E-04
54-Xe-145	54145.	0.	4.2830E-05	2.7411E-05
54-Xe-146	54146.	0.	3.4400E-06	2.2016E-06
54-Xe-147	54147.	0.	2.8469E-07	1.8220E-07
54-Xe-148	54148.	0.	5.3000E-09	3.3920E-09
54-Xe-149	54149.	0.	7.5092E-11	4.8059E-11
54-Xe-150	54150.	0.	1.5100E-12	9.6640E-13
55-Cs-127	55127.	0.	0.0000E+00	0.0000E+00
55-Cs-129	55129.	0.	0.0000E+00	0.0000E+00
55-Cs-131	55131.	0.	2.5300E-11	1.6192E-11
55-Cs-132	55132.	0.	1.5100E-09	9.6640E-10
55-Cs-133	55133.	0.	6.0172E-02	8.4241E-04
55-Cs-134-M	55134.	1.	1.0250E-06	6.5600E-07
55-Cs-134	55134.	0.	2.0500E-06	1.3120E-06
55-Cs-135-M	55135.	1.	1.3360E-05	8.5504E-06
55-Cs-135	55135.	0.	5.8419E-02	3.7388E-02
55-Cs-136-M	55136.	1.	1.0621E-04	6.7975E-05
55-Cs-136	55136.	0.	2.1242E-04	1.3595E-04
55-Cs-137	55137.	0.	5.1460E-02	1.4409E-03
55-Cs-138	55138.	0.	4.8359E-02	1.9343E-03
55-Cs-138-M	55138.	1.	1.7428E-03	1.1154E-03
55-Cs-139	55139.	0.	4.7782E-02	5.2560E-03
55-Cs-140	55140.	0.	4.4677E-02	7.1483E-03
55-Cs-141	55141.	0.	3.8534E-02	6.1654E-03
55-Cs-142	55142.	0.	2.8781E-02	6.6196E-03
55-Cs-143	55143.	0.	1.9724E-02	4.5365E-03

55-Cs-144	55144.	0.	9.3397E-03	4.2029E-03
55-Cs-145	55145.	0.	2.7723E-03	1.7743E-03
55-Cs-146	55146.	0.	5.8531E-04	3.7460E-04
55-Cs-147	55147.	0.	1.0430E-04	6.6755E-05
55-Cs-148	55148.	0.	7.4100E-06	4.7424E-06
55-Cs-149	55149.	0.	3.7232E-07	2.3828E-07
55-Cs-150	55150.	0.	1.7400E-08	1.1136E-08
55-Cs-151	55151.	0.	9.7232E-11	6.2229E-11
55-Cs-152	55152.	0.	8.8743E-12	5.6795E-12
56-Ba-129	56129.	0.	0.0000E+00	0.0000E+00
56-Ba-131	56131.	0.	0.0000E+00	0.0000E+00
56-Ba-132	56132.	0.	3.3200E-11	2.1248E-11
56-Ba-133	56133.	0.	5.8000E-12	3.7120E-12
56-Ba-134	56134.	0.	2.0500E-06	1.3120E-06
56-Ba-135-M	56135.	1.	9.6500E-09	6.1760E-09
56-Ba-135	56135.	0.	5.8420E-02	3.7388E-02
56-Ba-136-M	56136.	1.	2.4012E-05	1.5368E-05
56-Ba-136	56136.	0.	2.1287E-04	1.3624E-04
56-Ba-137	56137.	0.	5.1466E-02	1.0293E-03
56-Ba-137-M	56137.	1.	4.8686E-02	1.3632E-03
56-Ba-138	56138.	0.	4.8836E-02	1.3674E-03
56-Ba-139	56139.	0.	5.0497E-02	1.4139E-03
56-Ba-140	56140.	0.	4.6070E-02	6.4498E-04
56-Ba-141	56141.	0.	4.3736E-02	3.4988E-03
56-Ba-142	56142.	0.	4.0151E-02	2.4091E-03
56-Ba-143	56143.	0.	3.7189E-02	4.0908E-03
56-Ba-144	56144.	0.	3.1186E-02	7.1728E-03
56-Ba-145	56145.	0.	1.8683E-02	4.2970E-03
56-Ba-146	56146.	0.	9.0231E-03	4.0604E-03
56-Ba-147	56147.	0.	3.2375E-03	2.0720E-03
56-Ba-148	56148.	0.	8.0262E-04	5.1368E-04
56-Ba-149	56149.	0.	1.3641E-04	8.7303E-05
56-Ba-150	56150.	0.	1.4460E-05	9.2544E-06
56-Ba-151	56151.	0.	4.8209E-07	3.0854E-07
56-Ba-152	56152.	0.	4.4000E-08	2.8160E-08
56-Ba-153	56153.	0.	3.6506E-10	2.3364E-10
56-Ba-154	56154.	0.	2.7200E-11	1.7408E-11
56-Ba-155	56155.	0.	1.5744E-12	1.0076E-12
57-La-133	57133.	0.	0.0000E+00	0.0000E+00
57-La-135	57135.	0.	9.8900E-13	6.3296E-13
57-La-137	57137.	0.	2.2100E-09	1.4144E-09
57-La-138	57138.	0.	4.3400E-08	2.7776E-08
57-La-139	57139.	0.	5.0497E-02	1.0099E-03
57-La-140	57140.	0.	4.6112E-02	6.4556E-04
57-La-141	57141.	0.	4.3815E-02	1.7526E-03
57-La-142	57142.	0.	4.0614E-02	1.1372E-03
57-La-143	57143.	0.	3.9068E-02	1.5627E-03
57-La-144	57144.	0.	3.7071E-02	2.2243E-03
57-La-145	57145.	0.	2.9303E-02	3.2233E-03
57-La-146-M	57146.	1.	6.5617E-03	4.1995E-03
57-La-146	57146.	0.	1.5585E-02	9.9743E-03
57-La-147	57147.	0.	1.5511E-02	3.5676E-03
57-La-148	57148.	0.	8.4531E-03	3.8039E-03
57-La-149	57149.	0.	3.5016E-03	2.2410E-03
57-La-150	57150.	0.	9.5657E-04	6.1221E-04
57-La-151	57151.	0.	1.7663E-04	1.1304E-04
57-La-152	57152.	0.	2.1810E-05	1.3958E-05
57-La-153	57153.	0.	1.8100E-06	1.1584E-06

57-La-154	57154.	0.	1.0000E-07	6.4000E-08
57-La-155	57155.	0.	7.8061E-09	4.9959E-09
57-La-156	57156.	0.	4.7598E-11	3.0463E-11
57-La-157	57157.	0.	2.7631E-12	1.7684E-12
57-La-158	57158.	0.	7.8457E-14	5.0212E-14
58-Ce-135	58135.	0.	0.0000E+00	0.0000E+00
58-Ce-137	58137.	0.	6.1400E-14	3.9296E-14
58-Ce-138	58138.	0.	1.3000E-08	8.3200E-09
58-Ce-139	58139.	0.	1.7200E-10	1.1008E-10
58-Ce-139-M	58139.	1.	1.4100E-10	9.0240E-11
58-Ce-140	58140.	0.	4.6112E-02	6.4556E-04
58-Ce-141	58141.	0.	4.3816E-02	8.7631E-04
58-Ce-142	58142.	0.	4.0615E-02	1.1372E-03
58-Ce-143	58143.	0.	3.9087E-02	7.8173E-04
58-Ce-144	58144.	0.	3.7228E-02	1.0424E-03
58-Ce-145	58145.	0.	3.0034E-02	2.4027E-03
58-Ce-146	58146.	0.	2.4333E-02	1.4600E-03
58-Ce-147	58147.	0.	2.0689E-02	1.6551E-03
58-Ce-148	58148.	0.	1.6408E-02	5.2507E-03
58-Ce-149	58149.	0.	1.2052E-02	3.8565E-03
58-Ce-150	58150.	0.	6.6937E-03	3.0122E-03
58-Ce-151	58151.	0.	2.8860E-03	1.8471E-03
58-Ce-152	58152.	0.	8.9218E-04	5.7100E-04
58-Ce-153	58153.	0.	1.9176E-04	1.2273E-04
58-Ce-154	58154.	0.	2.7620E-05	1.7677E-05
58-Ce-155	58155.	0.	2.8600E-06	1.8304E-06
58-Ce-156	58156.	0.	2.3600E-07	1.5104E-07
58-Ce-157	58157.	0.	1.3700E-08	8.7680E-09
58-Ce-158	58158.	0.	3.8900E-10	2.4896E-10
58-Ce-159	58159.	0.	5.0220E-12	3.2141E-12
58-Ce-160	58160.	0.	1.4300E-13	9.1520E-14
59-Pr-139	59139.	0.	0.0000E+00	0.0000E+00
59-Pr-140	59140.	0.	1.8400E-13	1.1776E-13
59-Pr-141	59141.	0.	4.3816E-02	8.7631E-04
59-Pr-142-M	59142.	1.	2.2950E-10	1.4688E-10
59-Pr-142	59142.	0.	4.5900E-10	2.9376E-10
59-Pr-143	59143.	0.	3.9087E-02	7.8173E-04
59-Pr-144	59144.	0.	3.7228E-02	1.0424E-03
59-Pr-144-M	59144.	1.	1.8645E-04	5.2206E-06
59-Pr-145	59145.	0.	3.0038E-02	1.2015E-03
59-Pr-146	59146.	0.	2.4369E-02	1.4621E-03
59-Pr-147	59147.	0.	2.0911E-02	8.3643E-04
59-Pr-148-M	59148.	1.	4.4392E-04	2.8411E-04
59-Pr-148	59148.	0.	1.6852E-02	1.0785E-02
59-Pr-149	59149.	0.	1.4519E-02	1.5970E-03
59-Pr-150	59150.	0.	1.0538E-02	3.3723E-03
59-Pr-151	59151.	0.	7.2336E-03	1.6637E-03
59-Pr-152	59152.	0.	4.2665E-03	2.7306E-03
59-Pr-153	59153.	0.	1.9773E-03	1.2655E-03
59-Pr-154	59154.	0.	6.5945E-04	4.2205E-04
59-Pr-155	59155.	0.	1.6394E-04	1.0492E-04
59-Pr-156	59156.	0.	3.4490E-05	2.2074E-05
59-Pr-157	59157.	0.	5.1300E-06	3.2832E-06
59-Pr-158	59158.	0.	3.8700E-07	2.4768E-07
59-Pr-159	59159.	0.	2.4900E-08	1.5936E-08
59-Pr-160	59160.	0.	1.0200E-09	6.5280E-10
59-Pr-161	59161.	0.	7.7650E-12	4.9696E-12
59-Pr-162	59162.	0.	5.1027E-13	3.2657E-13

59-Pr-163	59163.	0.	1.9201E-14	1.2288E-14
60-Nd-140	60140.	0.	0.0000E+00	0.0000E+00
60-Nd-141	60141.	0.	0.0000E+00	0.0000E+00
60-Nd-142	60142.	0.	4.5900E-10	2.9376E-10
60-Nd-143	60143.	0.	3.9087E-02	7.8173E-04
60-Nd-144	60144.	0.	3.7228E-02	1.0424E-03
60-Nd-145	60145.	0.	3.0038E-02	1.2015E-03
60-Nd-146	60146.	0.	2.4369E-02	1.4621E-03
60-Nd-147	60147.	0.	2.0911E-02	4.1823E-04
60-Nd-148	60148.	0.	1.7305E-02	2.7688E-03
60-Nd-149	60149.	0.	1.4581E-02	8.7488E-04
60-Nd-150	60150.	0.	1.0809E-02	1.7294E-03
60-Nd-151	60151.	0.	8.0020E-03	6.4016E-04
60-Nd-152	60152.	0.	5.7239E-03	2.5757E-03
60-Nd-153	60153.	0.	3.7191E-03	1.1901E-03
60-Nd-154	60154.	0.	2.1302E-03	9.5859E-04
60-Nd-155	60155.	0.	1.0193E-03	6.5238E-04
60-Nd-156	60156.	0.	4.7004E-04	3.0083E-04
60-Nd-157	60157.	0.	1.6175E-04	1.0352E-04
60-Nd-158	60158.	0.	3.0420E-05	1.9469E-05
60-Nd-159	60159.	0.	4.9200E-06	3.1488E-06
60-Nd-160	60160.	0.	5.3400E-07	3.4176E-07
60-Nd-161	60161.	0.	3.8500E-08	2.4640E-08
60-Nd-162	60162.	0.	2.5300E-09	1.6192E-09
60-Nd-163	60163.	0.	9.5200E-11	6.0928E-11
60-Nd-164	60164.	0.	2.8000E-12	1.7920E-12
60-Nd-165	60165.	0.	4.6993E-14	3.0076E-14
60-Nd-166	60166.	0.	3.9305E-15	2.5155E-15
61-Pm-141	61141.	0.	0.0000E+00	0.0000E+00
61-Pm-143	61143.	0.	0.0000E+00	0.0000E+00
61-Pm-144	61144.	0.	0.0000E+00	0.0000E+00
61-Pm-145	61145.	0.	6.1500E-14	3.9360E-14
61-Pm-146	61146.	0.	3.9900E-12	2.5536E-12
61-Pm-147	61147.	0.	2.0911E-02	4.1823E-04
61-Pm-148	61148.	0.	1.5200E-09	9.7280E-10
61-Pm-148-M	61148.	1.	5.7300E-09	3.6672E-09
61-Pm-149	61149.	0.	1.4581E-02	8.7489E-04
61-Pm-150	61150.	0.	2.5200E-07	1.6128E-07
61-Pm-151	61151.	0.	8.0147E-03	3.2059E-04
61-Pm-152-N	61152.	2.	2.1280E-05	1.3619E-05
61-Pm-152	61152.	0.	5.7452E-03	1.8384E-03
61-Pm-152-M	61152.	1.	2.1280E-05	1.3619E-05
61-Pm-153	61153.	0.	3.9173E-03	6.2676E-04
61-Pm-154	61154.	0.	2.3209E-03	7.4269E-04
61-Pm-154-M	61154.	1.	1.9071E-04	1.2205E-04
61-Pm-155	61155.	0.	1.5217E-03	9.7390E-04
61-Pm-156	61156.	0.	1.0562E-03	2.4294E-04
61-Pm-157	61157.	0.	6.3706E-04	4.0772E-04
61-Pm-158	61158.	0.	2.4474E-04	1.5663E-04
61-Pm-159	61159.	0.	8.7400E-05	5.5936E-05
61-Pm-160	61160.	0.	2.2910E-05	1.4662E-05
61-Pm-161	61161.	0.	4.0700E-06	2.6048E-06
61-Pm-162	61162.	0.	6.7900E-07	4.3456E-07
61-Pm-163	61163.	0.	6.6000E-08	4.2240E-08
61-Pm-164	61164.	0.	4.9500E-09	3.1680E-09
61-Pm-165	61165.	0.	2.3300E-10	1.4912E-10
61-Pm-166	61166.	0.	1.9488E-11	1.2472E-11
61-Pm-167	61167.	0.	9.8424E-14	6.2991E-14

61-Pm-168	61168.	0.	4.1346E-15	2.6461E-15
61-Pm-169	61169.	0.	4.5910E-16	2.9383E-16
62-Sm-143	62143.	0.	0.0000E+00	0.0000E+00
62-Sm-143-M	62143.	1.	0.0000E+00	0.0000E+00
62-Sm-144	62144.	0.	0.0000E+00	0.0000E+00
62-Sm-145	62145.	0.	0.0000E+00	0.0000E+00
62-Sm-146	62146.	0.	1.4000E-12	8.9600E-13
62-Sm-147	62147.	0.	2.0911E-02	4.1823E-04
62-Sm-148	62148.	0.	6.9800E-09	4.4672E-09
62-Sm-149	62149.	0.	1.4581E-02	8.7489E-04
62-Sm-150	62150.	0.	2.5200E-07	1.6128E-07
62-Sm-151	62151.	0.	8.0147E-03	3.2059E-04
62-Sm-152	62152.	0.	5.7880E-03	9.2607E-04
62-Sm-153	62153.	0.	3.9192E-03	3.1354E-04
62-Sm-154	62154.	0.	2.5212E-03	4.0340E-04
62-Sm-155	62155.	0.	1.5524E-03	6.9859E-04
62-Sm-156	62156.	0.	1.1427E-03	6.8563E-05
62-Sm-157	62157.	0.	7.9806E-04	2.5538E-04
62-Sm-158	62158.	0.	4.1197E-04	1.8539E-04
62-Sm-159	62159.	0.	2.3172E-04	1.0427E-04
62-Sm-160	62160.	0.	1.1362E-04	7.2717E-05
62-Sm-161	62161.	0.	4.2000E-05	2.6880E-05
62-Sm-162	62162.	0.	1.5850E-05	1.0144E-05
62-Sm-163	62163.	0.	3.6900E-06	2.3616E-06
62-Sm-164	62164.	0.	6.7100E-07	4.2944E-07
62-Sm-165	62165.	0.	8.0400E-08	5.1456E-08
62-Sm-166	62166.	0.	7.1400E-09	4.5696E-09
62-Sm-167	62167.	0.	4.8800E-10	3.1232E-10
62-Sm-168	62168.	0.	2.0500E-11	1.3120E-11
62-Sm-169	62169.	0.	2.2763E-12	1.4568E-12
62-Sm-170	62170.	0.	1.3700E-14	8.7680E-15
62-Sm-171	62171.	0.	5.0645E-16	3.2412E-16
63-Eu-147	63147.	0.	0.0000E+00	0.0000E+00
63-Eu-149	63149.	0.	0.0000E+00	0.0000E+00
63-Eu-151	63151.	0.	8.0147E-03	3.2059E-04
63-Eu-152-N	63152.	2.	2.1333E-11	1.3653E-11
63-Eu-152	63152.	0.	3.2000E-11	2.0480E-11
63-Eu-152-M	63152.	1.	3.2000E-11	2.0480E-11
63-Eu-153	63153.	0.	3.9192E-03	2.3515E-04
63-Eu-154-M	63154.	1.	9.7500E-09	6.2400E-09
63-Eu-154	63154.	0.	1.9500E-08	1.2480E-08
63-Eu-155	63155.	0.	1.5526E-03	4.9683E-04
63-Eu-156	63156.	0.	1.1437E-03	3.2023E-05
63-Eu-157	63157.	0.	8.0347E-04	1.2856E-04
63-Eu-158	63158.	0.	4.2582E-04	1.3626E-04
63-Eu-159	63159.	0.	2.5967E-04	5.9724E-05
63-Eu-160	63160.	0.	1.5456E-04	4.9459E-05
63-Eu-161	63161.	0.	8.0440E-05	1.8501E-05
63-Eu-162	63162.	0.	5.0390E-05	3.2250E-05
63-Eu-163	63163.	0.	2.2490E-05	1.4394E-05
63-Eu-164	63164.	0.	8.5700E-06	5.4848E-06
63-Eu-165	63165.	0.	2.3700E-06	1.5168E-06
63-Eu-166	63166.	0.	5.0900E-07	3.2576E-07
63-Eu-167	63167.	0.	8.5100E-08	5.4464E-08
63-Eu-168	63168.	0.	9.1600E-09	5.8624E-09
63-Eu-169	63169.	0.	8.3400E-10	5.3376E-10
63-Eu-170	63170.	0.	4.0900E-11	2.6176E-11
63-Eu-171	63171.	0.	2.5110E-12	1.6071E-12

63-Eu-172	63172.	0.	1.6296E-14	1.0430E-14
64-Gd-147	64147.	0.	0.0000E+00	0.0000E+00
64-Gd-149	64149.	0.	0.0000E+00	0.0000E+00
64-Gd-151	64151.	0.	0.0000E+00	0.0000E+00
64-Gd-152	64152.	0.	3.3600E-11	2.1504E-11
64-Gd-153	64153.	0.	7.5500E-14	4.8320E-14
64-Gd-154	64154.	0.	1.9500E-08	1.2480E-08
64-Gd-155	64155.	0.	1.5526E-03	2.4841E-04
64-Gd-156	64156.	0.	1.1437E-03	3.2023E-05
64-Gd-157	64157.	0.	8.0349E-04	8.8384E-05
64-Gd-158	64158.	0.	4.2592E-04	6.8147E-05
64-Gd-159	64159.	0.	2.6018E-04	2.8620E-05
64-Gd-160	64160.	0.	1.5645E-04	2.5032E-05
64-Gd-161	64161.	0.	8.4650E-05	6.7720E-06
64-Gd-162	64162.	0.	5.9150E-05	2.6618E-05
64-Gd-163	64163.	0.	3.3290E-05	1.4981E-05
64-Gd-164	64164.	0.	1.8530E-05	8.3385E-06
64-Gd-165	64165.	0.	8.8500E-06	5.6640E-06
64-Gd-166	64166.	0.	3.7800E-06	2.4192E-06
64-Gd-167	64167.	0.	1.3500E-06	8.6400E-07
64-Gd-168	64168.	0.	3.4100E-07	2.1824E-07
64-Gd-169	64169.	0.	7.6100E-08	4.8704E-08
64-Gd-170	64170.	0.	9.1700E-09	5.8688E-09
64-Gd-171	64171.	0.	9.2000E-10	5.8880E-10
64-Gd-172	64172.	0.	8.0800E-11	5.1712E-11
65-Tb-151	65151.	0.	0.0000E+00	0.0000E+00
65-Tb-153	65153.	0.	0.0000E+00	0.0000E+00
65-Tb-155	65155.	0.	0.0000E+00	0.0000E+00
65-Tb-156	65156.	0.	7.5100E-14	4.8064E-14
65-Tb-156-M	65156.	1.	0.0000E+00	0.0000E+00
65-Tb-157	65157.	0.	3.1300E-12	2.0032E-12
65-Tb-158	65158.	0.	5.6000E-11	3.5840E-11
65-Tb-158-M	65158.	1.	3.3600E-12	2.1504E-12
65-Tb-159	65159.	0.	2.6018E-04	2.8620E-05
65-Tb-160	65160.	0.	2.1100E-07	1.3504E-07
65-Tb-161	65161.	0.	8.4690E-05	3.3876E-06
65-Tb-162	65162.	0.	5.8070E-05	1.8582E-05
65-Tb-162-M	65162.	1.	1.2900E-06	5.8050E-07
65-Tb-163	65163.	0.	3.3930E-05	1.0858E-05
65-Tb-164	65164.	0.	1.9910E-05	6.3712E-06
65-Tb-165	65165.	0.	1.0910E-05	4.9095E-06
65-Tb-166	65166.	0.	6.1200E-06	1.4076E-06
65-Tb-167	65167.	0.	3.3400E-06	2.1376E-06
65-Tb-168	65168.	0.	1.5200E-06	9.7280E-07
65-Tb-169	65169.	0.	6.9200E-07	4.4288E-07
65-Tb-170	65170.	0.	1.8200E-07	1.1648E-07
65-Tb-171	65171.	0.	4.3500E-08	2.7840E-08
65-Tb-172	65172.	0.	9.2100E-09	5.8944E-09
66-Dy-155	66155.	0.	0.0000E+00	0.0000E+00
66-Dy-156	66156.	0.	0.0000E+00	0.0000E+00
66-Dy-157	66157.	0.	0.0000E+00	0.0000E+00
66-Dy-158	66158.	0.	8.9600E-12	5.7344E-12
66-Dy-159	66159.	0.	7.7500E-14	4.9600E-14
66-Dy-160	66160.	0.	2.1100E-07	9.4950E-08
66-Dy-161	66161.	0.	8.4690E-05	3.3876E-06
66-Dy-162	66162.	0.	5.9370E-05	9.4992E-06
66-Dy-163	66163.	0.	3.3930E-05	5.4288E-06
66-Dy-164	66164.	0.	1.9920E-05	3.1872E-06

66-Dy-165	66165.	0.	1.0840E-05	2.4932E-06
66-Dy-165-M	66165.	1.	5.4600E-06	2.4570E-06
66-Dy-166	66166.	0.	6.2900E-06	6.9190E-07
66-Dy-167	66167.	0.	3.6800E-06	1.6560E-06
66-Dy-168	66168.	0.	1.9800E-06	8.9100E-07
66-Dy-169	66169.	0.	1.2400E-06	3.9680E-07
66-Dy-170	66170.	0.	5.2000E-07	3.3280E-07
66-Dy-171	66171.	0.	2.3200E-07	1.4848E-07
66-Dy-172	66172.	0.	1.0100E-07	6.4640E-08
67-Ho-159	67159.	0.	0.0000E+00	0.0000E+00
67-Ho-159-M	67159.	1.	0.0000E+00	0.0000E+00
67-Ho-161	67161.	0.	0.0000E+00	0.0000E+00
67-Ho-161-M	67161.	1.	0.0000E+00	0.0000E+00
67-Ho-162	67162.	0.	4.3000E-14	2.7520E-14
67-Ho-162-M	67162.	1.	5.0600E-14	3.2384E-14
67-Ho-163	67163.	0.	1.2700E-12	8.1280E-13
67-Ho-163-M	67163.	1.	8.8600E-14	5.6704E-14
67-Ho-164	67164.	0.	1.7100E-11	1.0944E-11
67-Ho-164-M	67164.	1.	1.4000E-11	8.9600E-12
67-Ho-165	67165.	0.	1.0970E-05	1.7552E-06
67-Ho-166	67166.	0.	6.3000E-06	6.9300E-07
67-Ho-166-M	67166.	1.	9.4200E-10	6.0288E-10
67-Ho-167	67167.	0.	3.6900E-06	1.1808E-06
67-Ho-168	67168.	0.	2.0000E-06	6.4000E-07
67-Ho-169	67169.	0.	1.2900E-06	2.0640E-07
67-Ho-170	67170.	0.	5.5700E-07	1.7824E-07
67-Ho-170-M	67170.	1.	3.6600E-08	2.3424E-08
67-Ho-171	67171.	0.	3.2500E-07	1.4625E-07
67-Ho-172	67172.	0.	2.0100E-07	9.0450E-08
68-Er-161	68161.	0.	0.0000E+00	0.0000E+00
68-Er-162	68162.	0.	0.0000E+00	0.0000E+00
68-Er-163	68163.	0.	0.0000E+00	0.0000E+00
68-Er-164	68164.	0.	9.0500E-12	5.7920E-12
68-Er-165	68165.	0.	3.1100E-14	1.9904E-14
68-Er-166	68166.	0.	6.3000E-06	5.0400E-07
68-Er-167	68167.	0.	3.6900E-06	5.9040E-07
68-Er-167-M	68167.	1.	3.6900E-07	1.6605E-07
68-Er-168	68168.	0.	2.0000E-06	3.2000E-07
68-Er-169	68169.	0.	1.2900E-06	1.0320E-07
68-Er-170	68170.	0.	5.9500E-07	9.5200E-08
68-Er-171	68171.	0.	3.3000E-07	1.4850E-07
68-Er-172	68172.	0.	2.1200E-07	6.7840E-08
69-Tm-165	69165.	0.	0.0000E+00	0.0000E+00
69-Tm-166	69166.	0.	0.0000E+00	0.0000E+00
69-Tm-167	69167.	0.	0.0000E+00	0.0000E+00
69-Tm-168	69168.	0.	1.5100E-14	9.6640E-15
69-Tm-169	69169.	0.	1.2900E-06	1.0320E-07
69-Tm-170	69170.	0.	2.5100E-12	1.6064E-12
69-Tm-171	69171.	0.	3.3000E-07	1.0560E-07
69-Tm-172	69172.	0.	2.1300E-07	4.8990E-08
70-Yb-166	70166.	0.	0.0000E+00	0.0000E+00
70-Yb-167	70167.	0.	0.0000E+00	0.0000E+00
70-Yb-168	70168.	0.	0.0000E+00	0.0000E+00
70-Yb-169	70169.	0.	0.0000E+00	0.0000E+00
70-Yb-169-M	70169.	1.	0.0000E+00	0.0000E+00
70-Yb-170	70170.	0.	2.5100E-12	1.6064E-12
70-Yb-171	70171.	0.	3.3000E-07	5.2800E-08
70-Yb-172	70172.	0.	2.1300E-07	3.4080E-08

71-Lu-169	71169.	0.	0.0000E+00	0.0000E+00
71-Lu-169-M	71169.	1.	0.0000E+00	0.0000E+00
71-Lu-171	71171.	0.	0.0000E+00	0.0000E+00
71-Lu-171-M	71171.	1.	0.0000E+00	0.0000E+00
71-Lu-172	71172.	0.	0.0000E+00	0.0000E+00
71-Lu-172-M	71172.	1.	0.0000E+00	0.0000E+00
72-Hf-171	72171.	0.	0.0000E+00	0.0000E+00
72-Hf-172	72172.	0.	0.0000E+00	0.0000E+00