

Table of recommended Bound Coherent Neutron Scattering Lengths

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
0-N-1	10.3 MIN	1/2	-37 ± 0.6		-37 ± 0.6		M	89Sla1
1-H			-3.7409 ± 0.0011				GR	75Koe1
1-H-1	99.985	1/2	-3.7423 ± 0.0012	10.817 ± 0.005	-47.42 ± 0.014		TM	79Koe1
						58.2 ± 0.4	NP	79Gla1
1-H-2	0.0149	1	6.674 ± 0.006	9.53 ± 0.03	0.975 ± 0.06		M	77Koe1
1-H-3	12.26 Y	1/2	4.792 ± 0.027	4.18 ± 0.15	6.56 ± 0.37		IN	85Rau2
2-He			3.26 ± 0.03				IN	79Kai1
2-He-3	0.00013	1/2	5.74 ± 0.07	4.7 ± 0.5	8.8 ± 1.4		IN	79Kai1
2-He-4	0.99987	0	3.26 ± 0.03				IN	79Kai1
3-Li			-1.9 ± 0.03				CF	83Koe1
3-Li-6	7.5	1	2 ± 0.1	0.67 ± 0.14	4.67 ± 0.17		CF	83Koe1
						-3.8 ± 0.5	NP	78Gla1
3-Li-7	92.5	3/2	-2.22 ± 0.02	-4.15 ± 0.06	1 ± 0.08		CF	83Koe1
						-4.5 ± 0.2	NP	79Gla1
4-Be-9	100	3/2	7.79 ± 0.01				TM	78Was1
						0.24 ± 0.07	NP	87Gla2
5-B			5.3 ± 0.04				CF	83Koe1
5-B-10	19.4	3	-0.2 ± 0.4	-4.2 ± 0.4	5.2 ± 0.4		CF	83Koe1
5-B-11	80.2	3/2	6.65 ± 0.04	5.6 ± 0.3	8.3 ± 0.3		CF	83Koe1
6-C			6.6484 ± 0.0013				GR	75Koe1
6-C-12	98.89	0	6.6535 ± 0.0014				GR	79Koe2
6-C-13	1.11	1/2	6.19 ± 0.09	5.6 ± 0.5	6.2 ± 0.5		M	98Ale1
						-1.2 ± 0.2	NP	79Gla1
7-N			9.36 ± 0.02				CF	85Mei1
			9.21 ± 0.02				BD	79Tak1
7-N-14	99.635	1	9.37 ± 0.02	10.7 ± 0.2	6.2 ± 0.3		M	98Ale1
7-N-15	0.365	1/2	6.44 ± 0.03	6.77 ± 0.1	6.21 ± 0.1		M	98Ale1
8-O			5.805 ± 0.004				M	79Koe2
8-O-16	99.75	0	5.805 ± 0.005				M	79Koe2
8-O-17	0.039	5/2	5.6 ± 0.5	5.52 ± 0.2	5.17 ± 0.2		NP	98Ale1
8-O-18	0.208	0	5.84 ± 0.07				CF	79Koe2

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref	
9-F-19	100	1/2	5.654 ± 0.012	5.632 ± 0.01	5.767 ± 0.01		CF	79Koe2	
						-0.19 ± 0.02	NP	79Gla1	
10-Ne			4.6 ± 0.01				CF	85Mei1	
10-Ne-20	90.5	0	4.631 ± 0.006				TM	66Kro1	
10-Ne-21	0.27	3/2	6.66 ± 0.19				TM	66Kro1	
10-Ne-22	9.2	0	3.87 ± 0.01				TM	66Kro1	
11-Na-23	100	3/2	3.63 ± 0.02				CF	72Koe3	
				6.42 ± 0.04	-1 ± 0.06		M	79Gla1	
						7.1 ± 0.3	NP	79Gla1	
12-Mg			5.375 ± 0.004				IN	78Bau1	
12-Mg-24	78.99	0	5.49 ± 0.18				BD	72Abu1	
12-Mg-25	10	5/2	3.62 ± 0.14				BD	72Abu1	
				4.73 ± 0.3	1.76 ± 0.2		M	98Ale1	
						3 ± 0.2	NP	87Gla2	
12-Mg-26	11	0	4.89 ± 0.15				BD	72Abu1	
13-Al-27	100	5/2	3.449 ± 0.005				IN	78Bau1	
				3.455 ± 0.005	3.7 ± 0.03	3.15 ± 0.04		TM	74Dil1
					3.67 ± 0.02	3.15 ± 0.02		M	84Gla1
							0.52 ± 0.02	NP	79Gla1
14-Si			4.15071 ± 0.00022				IN	98Iof1	
14-Si-28	92.2	0	4.106 ± 0.006				CF	79Koe3	
14-Si-29	4.7	1/2	4.7 ± 0.1	4.5 ± 0.15	4.7 ± 0.4		M	98Ale1	
						0.3	NP	87Gla2	
14-Si-30	3.1	0	4.58 ± 0.08				CF	79Koe3	
15-P-31	100	1/2	5.13 ± 0.01				CF	77Koe2	
						0.8	NP	83Gla1	
16-S			2.847 ± 0.001				GR	71Tru1	
16-S-32	95	0	2.804 ± 0.002				CF	79Koe3	
16-S-33	0.74	3/2	4.74 ± 0.19				CF	79Koe3	
						3 ± 3.	CF	78Koe1	
16-S-34	4.2	0	3.48 ± 0.03				CF	79Koe3	

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
17-Cl			9.5792 ± 0.0008				GR	75Koe1
17-Cl-35	75.77	3/2	11.7 ± 0.09	16.3 ± 0.2	4 ± 0.3		CF	77Koe3
						12.5 ± 0.9	NP	83Gla1
17-Cl-37	24.23	3/2	3.08 ± 0.06	3.1 ± 0.07	3.05 ± 0.07		CF	77Koe3
						0.4	NP	83Gla1
18-Ar			1.909 ± 0.006				TM	66Kro1
18-Ar-36	0.34	0	24.9 ± 0.07				TR	66Kro1
18-Ar-38	0.07	0						
18-Ar-40	99.59	0	1.7				TM	62Chr1
19-K			3.67 ± 0.02				BD	73Coo1
19-K-39	93.3	3/2	3.79 ± 0.02	5.15	1.51		CF	79Koe4
						2.8 ± 0.7	NP	83Gla1
19-K-40	0.012	4						
19-K-41	6.7	3/2	2.69 ± 0.08				CF	87Kno1
20-Ca			4.7 ± 0.02				CF	90Kno1
20-Ca-40	96.94	0	4.78 ± 0.05				CF	90Kno1
20-Ca-42	0.64	0	3.36 ± 0.1				BD	89Ram1
20-Ca-43	0.13	7/2	-1.56 ± 0.09				BD	89Ram1
20-Ca-44	2.13	0	1.42 ± 0.06				BD	89Ram1
20-Ca-46	0.003	0	3.55 ± 0.21				BD	89Ram1
20-Ca-48	0.18	0	0.39 ± 0.09				BD	89Ram1
21-Sc-45	100	7/2	12.1 ± 0.1				NP	77Mar2
				6.91 ± 0.22	18.99 ± 0.28		CF	93Koe1
						-13.6 ± 0.9	NP	79Gla1
22-Ti			-3.37 ± 0.013				CF	93Koe1
22-Ti-46	8	0	4.72 ± 0.05				CF	93Koe1
22-Ti-47	7.5	5/2	3.53 ± 0.07	0.46 ± 0.23	7.64 ± 0.13		CF	93Koe1
22-Ti-48	73.7	0	-5.86 ± 0.02				CF	93Koe1
22-Ti-49	5.5	7/2	0.98 ± 0.05	2.6 ± 0.3	-1.2 ± 0.4		CF	93Koe1
22-Ti-50	5.3	0	5.88 ± 0.1				CF	93Koe1
23-V			-0.443 ± 0.014				CF	93Koe1
23-V-50	0.25	6						
23-V-51	99.75	7/2		4.93 ± 0.25	-7.58 ± 0.28		CF	93Koe1
						12.81 ± 0.08	NP	87Gla1

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
24-Cr			3.635 ± 0.007				CF	78Koe2
24-Cr-50	4.35	0	-4.5 ± 0.05				CF	78Koe2
24-Cr-52	83.8	0	4.914 ± 0.015				CF	78Koe2
24-Cr-53	9.59	3/2	-4.2 ± 0.03	1.16 ± 0.1	-13 ± 0.2		CF	78Koe2
24-Cr-54	2.36	0	4.55 ± 0.1				CF	78Koe2
25-Mn-55	100	5/2	-3.75 ± 0.018	-4.93 ± 0.46	-1.46 ± 0.33		CF	93Koe1
26-Fe			9.45 ± 0.02				TM	74Dil1
26-Fe-54	5.8	0	4.2 ± 0.1				BD	51Shu1
26-Fe-56	91.7	0	10.1 ± 0.2				BD	51Shu1
26-Fe-57	2.19	1/2	2.3 ± 0.1				BD	51Shu1
26-Fe-58	0.28	0	15 ± 7.				TR	77Web1
27-Co-59	100	7/2	2.49 ± 0.02	-9.21 ± 0.1	3.58 ± 0.1		CF	97Kno1
						-12.5 ± 0.4	NP	79Gla1
28-Ni			10.3 ± 0.1				BD	51Shu1
28-Ni-58	67.88	0	14.4 ± 0.1				M	81Mug1
28-Ni-60	26.23	0	2.8 ± 0.1				BD	51Shu1
28-Ni-61	1.19	3/2	7.6 ± 0.06				BD	67Sid1
28Ni-62	3.66	0	-8.7 ± 0.2				BD	61Will1
28-Ni-64	1.08	0	-0.37 ± 0.07				BD	67Sid1
29-Cu			7.718 ± 0.004				IN	78Bau1
29-Cu-63	69.1	3/2	6.477 ± 0.013				IN	00Tom1
						0.45 ± 0.05	NP	79Gla1
29-Cu-65	30.9	3/2	10.204 ± 0.02				IN	00Tom1
						3.7 ± 0.2	NP	79Gla1
30-Zn			5.68 ± 0.005				IN	78Bau1
30-Zn-64	48.9	0	5.23 ± 0.04				CF	85Koe1
30-Zn-66	27.8	0	5.98 ± 0.05				CF	85Koe1
30-Zn-67	4.1	5/2	7.58 ± 0.08	5.8 ± 0.5	10.1 ± 0.7		CF	85Koe1
						-3.05 ± 0.15	NP	87Gla2
30-Zn-68	18.6	0	6.04 ± 0.03				CF	85Koe1
30-Zn-70	0.62	0						

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
31-Ga			7.288 ± 0.002				GR	90Rei1
31-Ga-69	60	3/2	8.053 ± 0.016				IN	99Tom1
			7.88 ± 0.04	6.3 ± 0.2	10.5 ± 0.4		CF	84Koe1
						-1.75 ± 0.11	NP	87Gla2
31-Ga-71	40	3/2	6.17 ± 0.011				IN	99Tom1
			6.4 ± 0.03	5.5 ± 0.6	7.8 ± 1.		CF	84Koe1
						-1.69 ± 0.15	NP	87Gla2
32-Ge			8.185 ± 0.02				CF	87Koe1
32-Ge-70	20.7	0	10 ± 0.1				CF	87Koe1
32-Ge-72	27.5	0	8.51 ± 0.1				CF	87Koe1
32-Ge-73	7.7	9/2	5.02 ± 0.04	8.1 ± 0.4	1.2 ± 0.4		CF	87Koe1
32-Ge-74	36.4	0	7.58 ± 0.1				CF	87Koe1
32-Ge-76	7.7	0	8.2 ± 1.5				CF	87Koe1
33-As-75	100	3/2	6.58 ± 0.01	6.04 ± 0.05	7.47 ± 0.08		CF	80Koe1
						-1.43 ± 0.12	NP	79Gla1
34-Se			7.97 ± 0.009				CF	80Koe1
34-Se-74	0.9	0	0.8 ± 3.				CF	80Koe1
34-Se-76	9	0	12.2 ± 0.1				CF	80Koe1
34-Se-77	7.5	0	8.25 ± 0.08				CF	80Koe1
34-Se-78	23.5	0	8.24 ± 0.09				CF	80Koe1
34-Se-80	50	0	7.48 ± 0.03				CF	80Koe1
34-Se-82	8.84	0	6.34 ± 0.08				CF	80Koe1
35-Br			6.79 ± 0.02				GR	75Koe1
35-Br-79	50.49	3/2	6.79 ± 0.07				CF	81Koe1
						-2.2 ± 0.4	NP	83Gla1
35-Br-81	49.31	3/2	6.78 ± 0.07				CF	81Koe1
						1.2 ± 0.3	NP	83Gla1
36-Kr			7.81 ± 0.02				CF	85Mei1
36-Kr-78	0.35	0						
36-Kr-80	2.5	0						
36-Kr-82	11.6	0						
36-Kr-83	11.5	9/2						
36-Kr-84	57	0						
36-Kr-86	17.3	0	8.07 ± 0.26				IN	93Ter1

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
37-Rb			7.08 ± 0.02				CF	72Koe3
37-Rb-85	72.17	5/2	7.07 ± 0.1				CF	81Koe1
37-Rb-87	27.83	3/2	7.27 ± 0.12				CF	81Koe1
38-Sr			7.02 ± 0.02				CF	81Koe1
38-Sr-84	0.56	0	5 ± 2.				M	86Sea1
38-Sr-86	9.9	0	5.68 ± 0.05				CF	81Koe1
38-Sr-87	7	9/2	7.41 ± 0.07				CF	81Koe1
38-Sr-88	82.6	0	7.16 ± 0.06				CF	81Koe1
39-Y-89	100	1/2	7.75 ± 0.02	8.4 ± 0.2	5.8 ± 0.5		CF	81Koe1
						2.6 ± 0.7	NP	79Gla1
40-Zr			7.16 ± 0.03				CF	81Koe1
40-Zr-90	51.48	0	6.5 ± 0.1				CF	81Koe1
40-Zr-91	11.23	5/2	8.8 ± 0.1	7.9 ± 0.2	10.1 ± 0.2		CF	81Koe1
						-2.2 ± 0.3	NP	79Gla1
40-Zr-92	17.11	0	7.5 ± 0.2				CF	81Koe1
40-Zr-94	17.4	0	8.3 ± 0.2				CF	81Koe1
40-Zr-96	2.8	0	5.5 ± 0.1				CF	81Koe1
41-Nb-93	100	9/2	7.054 ± 0.003				IN	78Bau1
			7.14 ± 0.03	7.06 ± 0.04	7.35 ± 0.04		TM	74Dil1
						-0.28 ± 0.02	NP	74Rou1
42-Mo			6.715 ± 0.02				CF	87Koe2
42-Mo-92	15.48	0	6.93 ± 0.08				CF	87Koe2
42-Mo-94	9.1	0	6.82 ± 0.07				CF	87Koe2
42-Mo-95	15.72	5/2	6.93 ± 0.06				CF	87Koe2
42-Mo-96	16.53	0	6.22 ± 0.06				CF	87Koe2
42-Mo-97	9.5	5/2	7.26 ± 0.08				CF	87Koe2
42-Mo-98	23.78	0	6.6 ± 0.07				CF	87Koe2
42-Mo-100	9.6	0	6.75 ± 0.07				CF	87Koe2
43-Tc-99	210000 Y	9/2	6.8 ± 0.3				BD	63Mue1

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
44-Ru			7.02 ± 0.02				CF	95Kno1
44-Ru-96	5.8	0						
44-Ru-98	1.9	0						
44-Ru-99	12.7	5/2						
44-Ru-100	12.6	0						
44-Ru-101	17.07	5/2						
44-Ru-102	31.61	0						
44-Ru-104	18.58	0						
45-Rh-103	100	1/2	5.9 ± 0.04	8.15 ± 0.06	6.74 ± 0.06		CF	95Kno1
46-Pd			5.91 ± 0.06				BD	65Cab1
46-Pd-102	1	0						
46-Pd-104	11	0						
46-Pd-105	22.53	5/2				-5.2 ± 3.2	NP	87Gla2
46Pd-106	27.33	0						
46-Pd-108	26.71	0						
46-Pd-110	11.8	0						
47-Ag			5.922 ± 0.007				IN	82Bon1
47-Ag-107	51.8	1/2	7.555 ± 0.011	8.14 ± 0.09	5.8 ± 0.3		IN	82Bon1
						2.3 ± 0.3	NP	79Gla1
47-Ag-109	48.2	1/2	4.165 ± 0.011	3.24 ± 0.08	6.9 ± 0.2		IN	82Bon1
						-3.7 ± 0.3	NP	79Gla1
48-Cd			4.83 ± 0.05				CF	95Kno1
48-Cd-106	1.2	0						
48-Cd-108	0.9	0	5.31 ± 0.24				CF	95Kno1
48-Cd-110	12.39	0	5.78 ± 0.08				CF	95Kno1
48-Cd-111	12.75	1/2	6.47 ± 0.08				CF	95Kno1
48-Cd-112	24.07	0	6.34 ± 0.06				CF	95Kno1
48-Cd-113	12.36	1/2	-8 ± 0.1				CF	95Kno1
48-Cd-114	28.86	0	7.48 ± 0.05				CF	95Kno1
48-Cd-116	7.58	0	6.26 ± 0.09				CF	95Kno1
49-In			4.065 ± 0.02				CF	80Koe2
49-In-113	4.28	9/2	5.39 ± 0.06				CF	80Koe2
49-In-115	95.72	9/2	4 ± 0.03	2.1 ± 0.1	6.4 ± 0.4		CF	80Koe2

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
50-Sn			6.225 ± 0.002				GR	90Rei1
50-Sn-112	1	0						
50-Sn-114	0.66	0						
50-Sn-115	0.35	1/2						
50-Sn-116	14.3	0	6.1 ± 0.01				CF	97Kno1
50-Sn-117	7.61	1/2	6.59 ± 0.08	0.22 ± 0.1	-0.23 ± 0.1		CF	97Kno1
50-Sn-118	24.03	0	6.23 ± 0.04				CF	97Kno1
50-Sn-119	8.58	1/2	6.28 ± 0.03	0.14 ± 0.1	0 ± 0.1		CF	97Kno1
50-Sn-120	32.86	0	6.67 ± 0.04				CF	97Kno1
50-Sn-122	4.72	0	5.93 ± 0.03				CF	97Kno1
50-Sn-124	5.94	0	6.15 ± 0.03				CF	97Kno1
51-Sb			5.57 ± 0.03				CF	86Koe1
51-Sb-121	57.25	5/2	5.71 ± 0.06	5.7	5.8		CF	86Koe1
51-Sb-123	42.75	7/2	5.38 ± 0.07	5.2 ± 0.2	5.4 ± 0.2		CF	86Koe1
52-Te			5.68 ± 0.02				IN	97Iof1
52-Te-120	0.09	0	5.3 ± 0.5				TR	56Hei1
52-Te-122	2.4	0	3.8 ± 0.2				CF	86Koe1
52-Te-123	0.87	1/2	-0.05 ± 0.25	-1.2	3.5		CF	86Koe1
52-Te-124	4.61	0	7.95 ± 0.1				CF	86Koe1
52-Te-125	6.99	1/2	5.01 ± 0.08	4.9	5.5		CF	86Koe1
52-Te-126	18.71	0	5.55 ± 0.07				CF	86Koe1
52-Te-128	31.79	0	5.88 ± 0.07				CF	86Koe1
52-Te-130	34.48	0	6.01 ± 0.07				CF	86Koe1
53-I-127	100	5/2	6.15 ± 0.06	6.6 ± 0.2	3.4 ± 0.2		CF	86Koe1
54-Xe			4.69 ± 0.04				IN	79Kai1
54-Xe-124	0.1	0						
54-Xe-126	0.09	0						
54-Xe-128	1.9	0						
54-Xe-129	26.14	1/2						
54-Xe-130	3.3	0						
54-Xe-131	21.18	3/2						
54-Xe-132	26.89	0						
54-Xe-134	10.4	0						
54-Xe-136	8.9	0						
55-Cs-133	100	7/2	5.42 ± 0.02				CF	72Koe3
						2.6 ± 0.3	NP	79Gla1

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
56-Ba			5.07 ± 0.03				CF	85Koe2
56-Ba-130	0.1	0	-3.6 ± 0.6				CF	85Koe2
56-Ba-132	0.09	0	7.8 ± 0.3				CF	85Koe2
56-Ba-134	2.4	0	5.7 ± 0.1				CF	85Koe2
56-Ba-135	6.59	3/2	4.66 ± 0.1				CF	85Koe2
56-Ba-136	7.81	0	4.9 ± 0.08				CF	85Koe2
56-Ba-137	11.32	3/2	6.82 ± 0.1				CF	85Koe2
56-Ba-138	71.66	0	4.83 ± 0.08				CF	85Koe2
57-La			8.24 ± 0.04				CF	82Kno1
57-La-138	0.09	5						
57-La-139	99.91	7/2	8.24 ± 0.04	11.4 ± 0.3	4.5 ± 0.4		CF	82Kno1
						6.1 ± 0.4	NP	79Gla1
58-Ce			4.84 ± 0.02				CF	82Kno1
58-Ce-136	0.19	0	5.76 ± 0.09				CF	82Kno1
58-Ce-138	0.26	0	6.65 ± 0.09				CF	82Kno1
58-Ce-140	88.48	0	4.81 ± 0.09				CF	82Kno1
58-Ce-142	11.07	0	4.72 ± 0.09				CF	82Kno1
59-Pr-141	100	5/2	4.58 ± 0.05				CF	90Kno1
						-1.1 ± 0.06	NP	84Kaw1
60-Nd			7.69 ± 0.05				BD	75Bou1
60-Nd-142	27.11	0	7.7 ± 0.3				BD	53Koe1
60-Nd-143	12.17	7/2						
60-Nd-144	23.85	0	2.8 ± 0.3				BD	53Koe1
60-Nd-145	8.5	7/2						
60-Nd-146	17.22	0	8.7 ± 0.2				BD	53Koe1
60-Nd-148	5.7	0						
60-Nd-150	5.6	0	5.28 ± 0.2				TM	75Ver1
61-Pm-147	2.62 Y	7/2	12.6 ± 0.4				TM	72Koe2
62-Sm			0 ± 0.05				BD	84Eng1
62-Sm-144	3.1	0						
62-Sm-147	15	7/2						
62-Sm-148	11.2	0						
62-Sm-149	13.8	7/2	18.7 ± 0.28				IN	82Wor1
62-Sm-150	7.4	0						
62-Sm-152	26.7	0	-5 ± 0.6				BD	53Koe1
62-Sm-154	22.8	0	8 ± 1.				BD	53Koe1

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
63-Eu			5.3 ± 0.3				IN	85Rau1
63-Eu-151	47.8	5/2						
63-Eu-153	52.8	5/2	8.22 ± 0.12				IN	81Kis1
64-Gd			9.5 ± 0.2				BD	75Wat3
64-Gd-152	0.2	0						
64-Gd-154	2.2	0						
64-Gd-155	14.9	3/2						
64-Gd-156	20.6	0						
64-Gd-157	15.7	3/2						
64-Gd-158	24.7	0						
64-Gd-160	21.7	0	9.15 ± 0.05				BD	72Moo1
65-Tb-159	100	3/2	7.34 ± 0.02	6.8 ± 0.2	8.1 ± 0.2		CF	97Kno2
						-0.35 ± 0.14	NP	76Ako1
66-Dy			16.9 ± 0.3				IN	85Rau1
66-Dy-156	0.06	0						
66-Dy-158	0.1	0						
66-Dy-160	2.3	0	6.7 ± 0.4				BD	68Chi1
66-Dy-161	18.9	5/2	10.3 ± 0.4				BD	68Chi1
66-Dy-162	25.5	0	-1.4 ± 0.5				BD	68Chi1
66-Dy-163	24.9	5/2	5 ± 0.4	6.1 ± 0.5	3.5 ± 0.5		BD	68Chi1
66-Dy-164	28.2	0	49.4 ± 0.5				BD	68Chi1
67-Ho-165	100	7/2	8.44 ± 0.03	6.9 ± 0.2	10.3 ± 0.2		CF	97Kno2
						-3.5 ± 0.4	NP	79Gla1
68-Er			7.79 ± 0.02				CF	97Kno2
68-Er-162	0.14	0	9.01 ± 0.11				CF	97Kno2
68-Er-164	1.6	0	7.95 ± 0.14				CF	97Kno2
68-Er-166	33.4	0	10.51 ± 0.19				CF	97Kno2
68-Er-167	22.9	7/2	3.06 ± 0.05	5.3 ± 0.3	0 ± 0.3		CF	97Kno2
68-Er-168	27	0	7.43 ± 0.08				CF	97Kno2
68-Er-170	15	0	9.61 ± 0.06				CF	97Kno2
69-Tm-169	100	1/2	7.07 ± 0.03				CF	86Koe2
						2 ± 0.6	NP	87Gla2

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
70-Yb			12.41 ± 0.03				CF	86Koe2
70-Yb-168	0.14	0						
70-Yb-170	3	0	6.8 ± 0.1				CF	86Koe2
70-Yb-171	14.3	1/2	9.7 ± 0.1	6.5 ± 0.2	19.4 ± 0.4		CF	86Koe2
70-Yb-172	21.9	0	9.5 ± 0.1				CF	86Koe2
70-Yb-173	16.3	5/2	9.56 ± 0.1	2.5 ± 0.2	13.3 ± 0.3		CF	86Koe2
70-Yb-174	31.8	0	19.2 ± 0.1				CF	86Koe2
70-Yb-176	12.7	0	8.7 ± 0.1				CF	86Koe2
71-Lu			7.21 ± 0.03				CF	86Koe2
71-Lu-175	97.4	7/2	7.28 ± 0.09				CF	86Koe2
71-Lu-176	2.6	7	6.1 ± 0.2				CF	86Koe2
72-Hf			7.77 ± 0.14				BD	61Ato1
72-Hf-174	0.184	0	10.9 ± 1.1				TM	73Ver1
72-Hf-176	5.2	0	6.61 ± 0.18				TM	73Ver1
72-Hf-177	18.5	0						
72-Hf-178	27.2	0	5.9 ± 0.2				TM	73Ver1
72-Hf-179	13.8	9/2	7.46 ± 0.16				TM	73Ver1
72-Hf-180	35.1	0	13.2 ± 0.3				TM	73Ver1
73-Ta			6.91 ± 0.07				CF	71Koe1
73-Ta-180	0.012	9						
73-Ta-181	99.98	7/2	6.91 ± 0.07				CF	71Koe1
						-0.59 ± 0.06	NP	79Gla1
74-W			4.755 ± 0.018				IN	00Tom1
74-W-180	0.13	0						
74-W-182	26.3	1/2	7.04 ± 0.04				CF	87Kno2
74-W-183	14.3	1/2	6.59 ± 0.04	6.3 ± 0.4	7 ± 0.4		CF	87Kno2
74-W-184	30.7	0	7.55 ± 0.06				CF	87Kno2
74-W-186	28.6	0	-0.73 ± 0.04				CF	87Kno2
75-Re			9.2 ± 0.2				BD	61Wil1
75-Re-185	37.5	5/2						
75-Re-187	62.5	5/2						

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
76-Os			10.7 ± 0.2				BD	63Mue1
76-Os-184	0.02	0						
76-Os-186	1.6	0	12 ± 1.7				TM	75Ver1
76-Os-187	1.6	1/2						
76-Os-188	13.3	0	7.8 ± 0.3				BD	63Mue1
76-Os-189	16.1	3/2	11 ± 0.3				BD	63Mue1
76-Os-190	26.4	0	11.4 ± 0.3				BD	63Mue1
76-Os-192	41	0	11.9 ± 0.4				BD	63Mue1
77-Ir			10.6 ± 0.3				BD	63Mue1
77-Ir-191	37.4	3/2						
77-Ir-193	62.6	3/2						
78-Pt			9.6 ± 0.01				IN	85Rau1
78-Pt-190	0.01	0	9 ± 1.				TM	75Ver1
78-Pt-192	1.78	0	9.9 ± 0.5				TM	75Ver1
78-Pt-194	32.9	0	10.55 ± 0.08				TM	75Ver1
78-Pt-195	33.8	1/2	8.91 ± 0.09	9.5 ± 0.3	7.2 ± 0.3		M	84Mug1
						2.3 ± 0.4	NP	79Gla1
78-Pt-196	25.3	0	9.89 ± 0.08				TM	75Ver1
78-Pt-198	7.2	0	7.8 ± 0.1				TM	75Ver1
79-Au-197	100	3/2	7.9 ± 0.07				CF	90Kno1
				6.26 ± 0.1	9.9 ± 0.14		M	84Mug1
						-3.5 ± 0.3	NP	79Gla1
80-Hg			12.66 ± 0.02				GR	77Koe1
80-Hg-196	0.15	0						
80-Hg-198	10.1	0						
80-Hg-199	16.9	0						
80-Hg-200	23.1	0						
80-Hg-201	13.2	3/2						
80-Hg-202	29.7	0	11.002 ± 0.043				IN	00Tom1
80-Hg-204	6.8	0						
81-Tl			8.776 ± 0.005				GR	90Rei1
81-Tl-203	29.5	1/2	8.51 ± 0.08	9.08 ± 0.1	6.62 ± 0.1		CF	95Kno1
						2.45 ± 0.032	NP	87Gla2
81-Tl-205	70.5	1/2	8.87 ± 0.07	5.15 ± 0.1	9.43 ± 0.1		CF	95Kno1
						-0.56 ± 0.04	NP	87Gla2

Z-Symb-A	% or T1/2	I	bc	b+	b-	b+-b-	Meth	Ref
82-Pb			9.401 ± 0.002				IN	00Iof1
82-Pb-204	1.4	0	10.893 ± 0.078				IN	00Iof1
82-Pb-206	24.1	0	9.221 ± 0.078				IN	00Iof1
82-Pb-207	22.1	1/2	9.286 ± 0.016				IN	00Iof1
						0.33 ± 0.13	NP	87Gla2
82-Pb-208	52.4	0	9.494 ± 0.03				IN	00Iof1
83-Bi-209	100	9/2	8.532 ± 0.002				GR	90Rei1
				8.26 ± 0.01	8.74 ± 0.01		M	84Mug1
						0.44 ± 0.09	NP	79Gla1
84-Po								
85-At								
86-Rn								
87-Fr								
88-Ra-226	1620 Y	0	10 ± 1.				TM	74Kal1
89-Ac								
90-Th-232	100	0	10.31 ± 0.03				CF	89Was1
91-Pa-231	32500 Y	3/2	9.1 ± 0.3				BD	73Wed1
92-U			8.417 ± 0.005				IN	82Boe1
92-U-233	159000 Y	5/2						
92-U-234	0.005	0						
92-U-235	0.72	7/2	10.5 ± 0.03				IN	86Kai1
92-U-238	99.27	0	8.407 ± 0.007				IN	82Boe1
93-Np-237	2140000 Y	5/2	10.55 ± 0.1				BD	67Hea1
94-Pu-238	87.74 Y	0						
94-Pu-239	24400 Y	1/2	7.7 ± 0.1				BD	70Gre1
94-Pu-240	6540 Y	0	3.5 ± 0.1				BD	71Lan1
94-Pu-242	376000 Y	0	8.1 ± 0.1				BD	71Lan1
95-Am-243	7370 Y	5/2	8.3 ± 0.2				BD	79Boe1
96-Cm-244	17.9 Y	0	9.5 ± 0.3				BD	77Fou1