KEK Report 88-14
February 1989
M/D

Numerical Tables of Anomalous Scattering Factors Calculated by the Cromer and Liberman's Method

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Appendix 1. Index for anomalous scattering factor tables. Each number shows the page relevant to the element looked up. The atomic number is given in parentheses.

Element	Table I-a	Table I-b	Element	Table I-a	Table I-b			
		K			K	L_1	L_2	L_3
Li (3)	5		Ru (44)	25	62			
Be (4)	5		Rh (45)	26	62			
B (5)	6		Pd (46)	26	63			
C (6)	6		Ag (47)	27	63	79	98	116
N (7)	7		Cd (48)	27	64	80	98	117
O (8)	7		In (49)	28	64	80	99	117
F (9)	8		Sn (50)	28	65	81	99	118
Ne (10)	8		Sb (51)	29	65	81	100	118
Na (11)	9		Te (52)	29	66	82	100	119
Mg (12)	9	46	I (53)	30	66	82	101	119
Ar (13)	10	46	Xe (54)	30	67	83	101	120
Si (14)	10	47	Cs (55)	31	67	83	102	120
P (15)	11	47	Ba (56)	31	68	84	102	121
S (16)	11	48	La (57)	32	68	84	103	121
Cl (17)	12	48	Ce (58)	32	69	85	103	122
Ar (18)	12	49	Pr (59)	33	69	85	104	122
K (19)	13	49	Nd (60)	33	70	86	104	123
Ca (20)	13	50	Pm (61)	34	70	86	105	123
Sc (21)	14	50	Sm (62)	34	71	87	105	124
Ti (22)	14	51	Eu (63)	35	71	87	106	124
V (23)	15	51	Gd (64)	35	72	88	106	125
Cr (24)	15	52	Tb (65)	36	72	88	107	125
Mn (25)	16	52	Dy (66)	36	73	89	107	126
Fe (26)	16	53	Ho (67)	37	73	89	108	126
Co (27)	17	53	Er (68)	37	74	90	108	127
Ni (28)	17	54	Tm (69)	38	74	90	109	127
Cu (29)	18	54	Yb (70)	38	75	91	109	128
Zn (30)	18	55	Lu (71)	39	75	91	110	128
Ga (31)	19	55	Hf (72)	39	76	92	110	129
Ge (32)	19	56	Ta (73)	40	76	92	111	129
As (33)	20	56	W (74)	40	77	93	111	130
Se (34)	20	57	Re (75)	41	77	93	112	130
Br (35)	21	57	Os (76)	41	78	94	112	131
Kr (36)	21	58	Ir (77)	42	78	94	113	131
Rb (37)	22	58	Pt (78)	42	79	95	113	132
Sr (38)	22	59	Au (79)	43		95	114	132
Y (39)	23	59	Hg (80)	43		96	114	133
Zr (40)	23	60	Tr (81)	44		96	115	133
Nb (41)	24	60	Pb (82)	44		97	115	134
Mo (42)	24	61	Bi (83)	45		97	116	134
Tc (43)	25	61	U (92)	45				

Table I-b

ATOMIC SYMBOL = MG ATOMIC NUMBER = 12 K ABSORPTION EDGE (9.51220 Å; 1.3033 KEV)

Å			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
9.486	I	F'	-7.476	-7.485	-7.493	-7.501	-7.510	-7.518	-7.527	-7.535	-7.544	-7.553
	I	F"	3.959	3.959	3.959	3.959	3.959	3.959	3.959	3.959	3.959	3.958
9.487	I	F'	-7.562	-7.571	-7.580	-7.589	-7.598	-7.607	-7.616	-7.625	-7.635	-7.644
	I	F"	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958
9.488	I	F'	-7.654	-7.663	-7.673	-7.683	-7.693	-7.703	-7.713	-7.723	-7.733	-7.744
	I	F"	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958	3.958
9.489	I	F'	-7.754	-7.764	-7.775	-7.786	-7.796	-7.807	-7.818	-7.829	-7.841	-7.852
	I	F"	3.958	3.958	3.958	3.958	3.958	3.957	3.957	3.957	3.957	3.957
9.490	I	F'	-7.863	-7.875	-7.887	-7.898	-7.910	-7.922	-7.934	-7.947	-7.959	-7.972
	I	F"	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957
9.491	I	F'	-7.984	-7.997	-8.010	-8.023	-8.036	-8.050	-8.063	-8.077	-8.091	-8.105
	I	F"	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957	3.957
9.492	I	F'	-8.119	-8.134	-8.148	-8.163	-8.178	-8.193	-8.209	-8.224	-8.240	-8.256
	I	F"	3.957	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.956
9.493	I	F'	-8.272	-8.289	-8.305	-8.322	-8.339	-8.357	-8.374	-8.392	-8.411	-8.429
	I	F"	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.956
9.494	I	F'	-8.448	-8.467	-8.487	-8.507	-8.527	-8.547	-8.568	-8.589	-8.611	-8.633
	I	F"	3.956	3.956	3.956	3.956	3.956	3.956	3.956	3.955	3.955	3.955
9.495	I	F'	-8.656	-8.679	-8.702	-8.726	-8.750	-8.775	-8.801	-8.827	-8.853	-8.881
	I	F"	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955
9.496	I	F'	-8.908	-8.937	-8.966	-8.996	-9.027	-9.059	-9.092	-9.125	-9.160	-9.195
	I	F"	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955	3.955
9.497	I	F'	-9.232	-9.270	-9.309	-9.350	-9.392	-9.436	-9.481	-9.528	-9.578	-9.629
	I	F"	3.955	3.955	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.954
9.498	I	F'	-9.683	-9.739	-9.799	-9.861	-9.927	-9.997	-10.072	-10.152	-10.237	-10.329
	I	F"	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.954
9.499	I	F'	-10.430	-10.540	-10.661	-10.797	-10.950	-11.127	-11.336	-11.592	-11.919	-12.377
	I	F"	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.954	3.953	3.953
9.500	I	F'	-13.144	-16.353	-13.302	-12.456	-11.972	-11.632	-11.369	-11.154	-10.974	-10.817
	I	F"	3.953	3.953	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.501	I	F'	-10.680	-10.556	-10.445	-10.344	-10.250	-10.164	-10.083	-10.008	-9.938	-9.871
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.502	I	F'	-9.808	-9.748	-9.692	-9.637	-9.586	-9.536	-9.489	-9.443	-9.399	-9.357
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.503	I	F'	-9.316	-9.277	-9.239	-9.202	-9.166	-9.131	-9.098	-9.065	-9.033	-9.002
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.504	I	F'	-8.972	-8.943	-8.914	-8.886	-8.859	-8.832	-8.806	-8.780	-8.755	-8.731
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.505	I	F'	-8.707	-8.684	-8.661	-8.638	-8.616	-8.594	-8.573	-8.552	-8.532	-8.511
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.506	I	F'	-8.492	-8.472	-8.453	-8.434	-8.415	-8.397	-8.379	-8.362	-8.344	-8.327
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.507	I	F'	-8.310	-8.293	-8.277	-8.261	-8.245	-8.229	-8.213	-8.198	-8.183	-8.168
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.508	I	F'	-8.153	-8.139	-8.124	-8.110	-8.096	-8.082	-8.068	-8.055	-8.041	-8.028
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.509	I	F'	-8.015	-8.002	-7.989	-7.977	-7.964	-7.952	-7.939	-7.927	-7.915	-7.903
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.510	I	F'	-7.892	-7.880	-7.868	-7.857	-7.846	-7.835	-7.823	-7.812	-7.802	-7.791
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.511	I	F'	-7.780	-7.770	-7.759	-7.749	-7.738	-7.728	-7.718	-7.708	-7.698	-7.688
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.512	I	F'	-7.679	-7.669	-7.659	-7.650	-7.640	-7.631	-7.622	-7.612	-7.603	-7.594
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
9.513	I	F'	-7.585	-7.576	-7.567	-7.559	-7.550	-7.541	-7.533	-7.524	-7.515	-7.507
	I	F"	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307

ATOMIC SYMBOL = AL ATOMIC NUMBER = 13 K ABSORPTION EDGE (7.94813 Å; 1.5598 KEV)

Å			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
7.935	I	F'	-7.153	-7.161	-7.170	-7.178	-7.187	-7.196	-7.205	-7.213	-7.222	-7.231
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.936	I	F'	-7.240	-7.249	-7.258	-7.268	-7.277	-7.286	-7.296	-7.305	-7.315	-7.324
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.937	I	F'	-7.334	-7.344	-7.354	-7.364	-7.374	-7.384	-7.394	-7.405	-7.415	-7.426
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.938	I	F'	-7.436	-7.447	-7.458	-7.469	-7.479	-7.491	-7.502	-7.513	-7.524	-7.536
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.939	I	F'	-7.548	-7.559	-7.571	-7.583	-7.595	-7.607	-7.620	-7.632	-7.645	-7.658
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.940	I	F'	-7.670	-7.683	-7.697	-7.710	-7.723	-7.737	-7.751	-7.765	-7.779	-7.793
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.941	I	F'	-7.807	-7.822	-7.837	-7.851	-7.867	-7.882	-7.897	-7.913	-7.929	-7.945
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.942	I	F'	-7.962	-7.978	-7.995	-8.012	-8.029	-8.047	-8.065	-8.083	-8.101	-8.120
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070
7.943	I	F'	-8.139	-8.158	-8.178	-8.198	-8.218	-8.239	-8.260	-8.281	-8.303	-8.325
	I	F"	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.070	4.071
7.944	I	F'	-8.347	-8.370	-8.394	-8.418	-8.442	-8.467	-8.492	-8.518	-8.545	-8.572
	I	F"	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071
7.945	I	F'	-8.600	-8.628	-8.657	-8.687	-8.718	-8.749	-8.781	-8.815	-8.849	-8.884
	I	F"	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071
7.946	I	F'	-8.920	-8.957	-8.996	-9.036	-9.077	-9.119	-9.164	-9.210	-9.257	-9.307
	I	F"	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071
7.947	I	F'	-9.359	-9.413	-9.470	-9.530	-9.593	-9.659	-9.730	-9.804	-9.884	-9.970
	I	F"	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071
7.948	I	F'	-10.062	-10.162	-10.271	-10.391	-10.524	-10.674	-10.846	-11.047	-11.289	-11.594
	I	F"	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071
7.949	I	F'	-12.004	-12.634	-14.063	-13.721	-12.517	-11.931	-11.541	-11.247	-11.012	-10.816
	I	F"	4.071	4.071	4.071	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.950	I	F'	-10.648	-10.501	-10.370	-10.252	-10.144	-10.046	-9.955	-9.871	-9.792	-9.718
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.951	I	F'	-9.648	-9.583	-9.521	-9.461	-9.405	-9.351	-9.300	-9.251	-9.203	-9.158
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.952	I	F'	-9.114	-9.072	-9.031	-8.992	-8.953	-8.916	-8.881	-8.846	-8.812	-8.779
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.953	I	F'	-8.747	-8.716	-8.686	-8.656	-8.627	-8.599	-8.572	-8.545	-8.519	-8.493
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.954	I	F'	-8.468	-8.443	-8.419	-8.395	-8.372	-8.349	-8.327	-8.305	-8.284	-8.263
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.955	I	F'	-8.242	-8.221	-8.201	-8.182	-8.162	-8.143	-8.125	-8.106	-8.088	-8.070
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.956	I	F'	-8.052	-8.035	-8.018	-8.001	-7.984	-7.968	-7.952	-7.936	-7.920	-7.904
	I	F"	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
7.957	I	F'	-7.889	-7.874	-7.859	-7.844	-7.830	-7.815	-7.801	-7.787	-7.773	-7.759
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
7.958	I	F'	-7.746	-7.732	-7.719	-7.706	-7.693	-7.680	-7.668	-7.655	-7.643	-7.630
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
7.959	I	F'	-7.618	-7.606	-7.594	-7.582	-7.571	-7.559	-7.548	-7.536	-7.525	-7.514
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
7.960	I	F'	-7.503	-7.492	-7.481	-7.471	-7.460	-7.449	-7.439	-7.429	-7.418	-7.408
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
7.961	I	F'	-7.398	-7.388	-7.378	-7.368	-7.359	-7.349	-7.339	-7.330	-7.320	-7.311
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
7.962	I	F'	-7.302	-7.293	-7.284	-7.274	-7.265	-7.257	-7.248	-7.239	-7.230	-7.222
	I	F"	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335

ATOMIC SYMBOL = SI ATOMIC NUMBER = 14 K ABSORPTION EDGE (6.73800 Å; 1.8400 KEV)

E			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
6.728	I	F'	-6.868	-6.877	-6.886	-6.895	-6.904	-6.913	-6.922	-6.931	-6.940	-6.950
	I	F"	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.104
6.729	I	F'	-6.959	-6.968	-6.978	-6.987	-6.997	-7.007	-7.017	-7.026	-7.036	-7.046
	I	F"	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.105	4.105	4.105
6.730	I	F'	-7.057	-7.067	-7.077	-7.088	-7.098	-7.109	-7.119	-7.130	-7.141	-7.152
	I	F"	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105
6.731	I	F'	-7.163	-7.174	-7.185	-7.197	-7.208	-7.220	-7.231	-7.243	-7.255	-7.267
	I	F"	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.106
6.732	I	F'	-7.279	-7.292	-7.304	-7.316	-7.329	-7.342	-7.355	-7.368	-7.381	-7.395
	I	F"	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106
6.733	I	F'	-7.408	-7.422	-7.436	-7.449	-7.464	-7.478	-7.492	-7.507	-7.522	-7.537
	I	F"	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.106
6.734	I	F'	-7.552	-7.567	-7.583	-7.599	-7.615	-7.631	-7.647	-7.664	-7.681	-7.698
	I	F"	4.106	4.106	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107
6.735	I	F'	-7.716	-7.733	-7.751	-7.769	-7.788	-7.806	-7.825	-7.845	-7.864	-7.884
	I	F"	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107
6.736	I	F'	-7.905	-7.925	-7.946	-7.968	-7.989	-8.011	-8.034	-8.057	-8.080	-8.104
	I	F"	4.107	4.107	4.107	4.107	4.108	4.108	4.108	4.108	4.108	4.108
6.737	I	F'	-8.129	-8.154	-8.179	-8.205	-8.232	-8.259	-8.286	-8.315	-8.344	-8.374
	I	F"	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.108
6.738	I	F'	-8.404	-8.436	-8.468	-8.501	-8.535	-8.570	-8.606	-8.643	-8.682	-8.721
	I	F"	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.109	4.109	4.109
6.739	I	F'	-8.762	-8.805	-8.849	-8.894	-8.942	-8.991	-9.043	-9.096	-9.153	-9.212
	I	F"	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109
6.740	I	F'	-9.274	-9.340	-9.409	-9.483	-9.561	-9.645	-9.735	-9.833	-9.939	-10.056
	I	F"	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.110
6.741	I	F'	-10.185	-10.329	-10.494	-10.685	-10.912	-11.193	-11.561	-12.094	-13.081	-14.580
	I	F"	4.110	4.110	4.110	4.110	4.110	4.110	4.110	4.110	4.110	0.352
6.742	I	F'	-12.535	-11.820	-11.376	-11.053	-10.799	-10.590	-10.412	-10.258	-10.121	-9.998
	I	F"	0.352	0.352	0.352	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.743	I	F'	-9.887	-9.785	-9.691	-9.604	-9.523	-9.447	-9.376	-9.309	-9.245	-9.185
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.744	I	F'	-9.127	-9.072	-9.020	-8.970	-8.921	-8.875	-8.831	-8.788	-8.746	-8.706
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.745	I	F'	-8.667	-8.630	-8.593	-8.558	-8.524	-8.491	-8.458	-8.427	-8.396	-8.366
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.746	I	F'	-8.337	-8.308	-8.281	-8.253	-8.227	-8.201	-8.175	-8.150	-8.126	-8.102
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.747	I	F'	-8.079	-8.056	-8.033	-8.011	-7.989	-7.968	-7.947	-7.927	-7.906	-7.887
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.748	I	F'	-7.867	-7.848	-7.829	-7.810	-7.792	-7.774	-7.756	-7.739	-7.721	-7.704
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.749	I	F'	-7.688	-7.671	-7.655	-7.639	-7.623	-7.607	-7.592	-7.576	-7.561	-7.546
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.750	I	F'	-7.532	-7.517	-7.503	-7.489	-7.475	-7.461	-7.447	-7.434	-7.421	-7.407
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.751	I	F'	-7.394	-7.381	-7.369	-7.356	-7.344	-7.331	-7.319	-7.307	-7.295	-7.283
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.752	I	F'	-7.271	-7.260	-7.248	-7.237	-7.225	-7.214	-7.203	-7.192	-7.181	-7.171
	I	F"	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
6.753	I	F'	-7.160	-7.149	-7.139	-7.128	-7.118	-7.108	-7.098	-7.088	-7.078	-7.068
	I	F"	0.353	0.353	0.353	0.353	0.354	0.354	0.354	0.354	0.354	0.354
6.754	I	F'	-7.058	-7.048	-7.039	-7.029	-7.020	-7.010	-7.001	-6.992	-6.983	-6.974
	I	F"	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354
6.755	I	F'	-6.965	-6.956	-6.947	-6.938	-6.929	-6.920	-6.912	-6.903	-6.895	-6.886
	I	F"	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354

ATOMIC SYMBOL = P ATOMIC NUMBER = 15 K ABSORPTION EDGE (5.78400 Å; 2.1434 KEV)

E			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
5.764	I	F'	-6.516	-6.524	-6.533	-6.541	-6.550	-6.559	-6.567	-6.576	-6.585	-6.594
	I	F"	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105
5.765	I	F'	-6.603	-6.612	-6.621	-6.630	-6.640	-6.649	-6.658	-6.668	-6.677	-6.687
	I	F"	4.105	4.105	4.105	4.105	4.106	4.106	4.106	4.106	4.106	4.106
5.766	I	F'	-6.697	-6.706	-6.716	-6.726	-6.736	-6.746	-6.756	-6.767	-6.777	-6.787
	I	F"	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.107	4.107	4.107
5.767	I	F'	-6.798	-6.809	-6.819	-6.830	-6.841	-6.852	-6.863	-6.874	-6.886	-6.897
	I	F"	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107
5.768	I	F'	-6.908	-6.920	-6.932	-6.944	-6.956	-6.968	-6.980	-6.992	-7.005	-7.017
	I	F"	4.107	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.108	4.108
5.769	I	F'	-7.030	-7.043	-7.056	-7.069	-7.082	-7.096	-7.109	-7.123	-7.137	-7.151
	I	F"	4.108	4.108	4.108	4.108	4.109	4.109	4.109	4.109	4.109	4.109
5.770	I	F'	-7.165	-7.179	-7.194	-7.209	-7.224	-7.239	-7.254	-7.269	-7.285	-7.301
	I	F"	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.109	4.110	4.110
5.771	I	F'	-7.317	-7.333	-7.350	-7.367	-7.384	-7.401	-7.418	-7.436	-7.454	-7.472
	I	F"	4.110	4.110	4.110	4.110	4.110	4.110	4.110	4.110	4.110	4.110
5.772	I	F'	-7.491	-7.510	-7.529	-7.548	-7.568	-7.588	-7.608	-7.629	-7.650	-7.672
	I	F"	4.110	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111
5.773	I	F'	-7.694	-7.716	-7.739	-7.762	-7.785	-7.809	-7.834	-7.859	-7.885	-7.911
	I	F"	4.111	4.111	4.111	4.111	4.111	4.112	4.112	4.112	4.112	4.112
5.774	I	F'	-7.937	-7.965	-7.993	-8.021	-8.051	-8.081	-8.112	-8.143	-8.176	-8.209
	I	F"	4.112	4.112	4.112	4.112	4.112	4.112	4.112	4.112	4.113	4.113
5.775	I	F'	-8.244	-8.279	-8.315	-8.353	-8.392	-8.432	-8.473	-8.516	-8.561	-8.607
	I	F"	4.113	4.113	4.113	4.113	4.113	4.113	4.113	4.113	4.113	4.113
5.776	I	F'	-8.655	-8.705	-8.758	-8.812	-8.870	-8.930	-8.993	-9.060	-9.131	-9.206
	I	F"	4.113	4.113	4.114	4.114	4.114	4.114	4.114	4.114	4.114	4.114
5.777	I	F'	-9.287	-9.373	-9.465	-9.566	-9.676	-9.797	-9.932	-10.083	-10.257	-10.461
	I	F"	4.114	4.114	4.114	4.114	4.114	4.115	4.115	4.115	4.115	4.115
5.778	I	F'	-10.706	-11.015	-11.433	-12.083	-13.618	-13.026	-11.881	-11.309	-10.924	-10.634
	I	F"	4.115	4.115	4.115	4.115	4.115	0.368	0.368	0.368	0.368	0.368
5.779	I	F'	-10.401	-10.206	-10.039	-9.892	-9.761	-9.644	-9.537	-9.439	-9.348	-9.264
	I	F"	0.368	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.780	I	F'	-9.186	-9.112	-9.043	-8.977	-8.915	-8.856	-8.800	-8.746	-8.695	-8.646
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.781	I	F'	-8.598	-8.553	-8.509	-8.467	-8.426	-8.387	-8.349	-8.312	-8.276	-8.241
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.782	I	F'	-8.208	-8.175	-8.143	-8.112	-8.082	-8.052	-8.023	-7.995	-7.968	-7.941
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.783	I	F'	-7.915	-7.889	-7.864	-7.839	-7.815	-7.792	-7.769	-7.746	-7.724	-7.702
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.784	I	F'	-7.680	-7.659	-7.639	-7.618	-7.598	-7.579	-7.559	-7.540	-7.522	-7.503
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.785	I	F'	-7.485	-7.467	-7.450	-7.432	-7.415	-7.398	-7.382	-7.366	-7.349	-7.333
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.786	I	F'	-7.318	-7.302	-7.287	-7.272	-7.257	-7.242	-7.228	-7.213	-7.199	-7.185
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.787	I	F'	-7.171	-7.158	-7.144	-7.131	-7.118	-7.105	-7.092	-7.079	-7.066	-7.054
	I	F"	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
5.788	I	F'	-7.041	-7.029	-7.017	-7.005	-6.993	-6.981	-6.970	-6.958	-6.947	-6.936
	I	F"	0.369	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370
5.789	I	F'	-6.924	-6.913	-6.902	-6.891	-6.881	-6.870	-6.859	-6.849	-6.839	-6.828
	I	F"	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370
5.790	I	F'	-6.818	-6.808	-6.798	-6.788	-6.778	-6.768	-6.759	-6.749	-6.740	-6.730
	I	F"	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370
5.791	I	F'	-6.721	-6.711	-6.702	-6.693	-6.684	-6.675	-6.666	-6.657	-6.648	-6.640
	I	F"	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370

ATOMIC SYMBOL = S ATOMIC NUMBER = 16 K ABSORPTION EDGE (5.01850 Å; 2.4704 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
5.001	I	F'	-6.258	-6.266	-6.275	-6.283	-6.292	-6.301	-6.310	-6.319	-6.328	-6.337
	I	F"	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.096	4.096
5.002	I	F'	-6.346	-6.355	-6.364	-6.373	-6.383	-6.392	-6.402	-6.411	-6.421	-6.431
	I	F"	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.097	4.097
5.003	I	F'	-6.441	-6.451	-6.461	-6.471	-6.481	-6.491	-6.501	-6.512	-6.522	-6.533
	I	F"	4.097	4.097	4.097	4.097	4.097	4.097	4.097	4.097	4.098	4.098
5.004	I	F'	-6.544	-6.554	-6.565	-6.576	-6.587	-6.598	-6.610	-6.621	-6.633	-6.644
	I	F"	4.098	4.098	4.098	4.098	4.098	4.098	4.098	4.098	4.099	4.099
5.005	I	F'	-6.656	-6.668	-6.680	-6.692	-6.704	-6.716	-6.729	-6.741	-6.754	-6.767
	I	F"	4.099	4.099	4.099	4.099	4.099	4.099	4.099	4.099	4.100	4.100
5.006	I	F'	-6.780	-6.793	-6.806	-6.820	-6.833	-6.847	-6.861	-6.875	-6.889	-6.903
	I	F"	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.101	4.101	4.101
5.007	I	F'	-6.918	-6.932	-6.947	-6.962	-6.978	-6.993	-7.009	-7.024	-7.040	-7.057
	I	F"	4.101	4.101	4.101	4.101	4.101	4.101	4.101	4.102	4.102	4.102
5.008	I	F'	-7.073	-7.090	-7.107	-7.124	-7.142	-7.159	-7.177	-7.195	-7.214	-7.233
	I	F"	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.103	4.103	4.103
5.009	I	F'	-7.252	-7.271	-7.291	-7.311	-7.331	-7.352	-7.373	-7.395	-7.416	-7.439
	I	F"	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.104	4.104	4.104
5.010	I	F'	-7.461	-7.484	-7.508	-7.532	-7.557	-7.582	-7.607	-7.633	-7.660	-7.687
	I	F"	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.105	4.105	4.105
5.011	I	F'	-7.715	-7.744	-7.773	-7.803	-7.834	-7.866	-7.898	-7.931	-7.966	-8.001
	I	F"	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.106	4.106	4.106
5.012	I	F'	-8.037	-8.075	-8.114	-8.154	-8.195	-8.238	-8.283	-8.329	-8.377	-8.427
	I	F"	4.106	4.106	4.106	4.106	4.106	4.106	4.106	4.107	4.107	4.107
5.013	I	F'	-8.480	-8.534	-8.592	-8.652	-8.715	-8.782	-8.853	-8.929	-9.010	-9.096
	I	F"	4.107	4.107	4.107	4.107	4.107	4.107	4.108	4.108	4.108	4.108
5.014	I	F'	-9.189	-9.290	-9.401	-9.523	-9.658	-9.812	-9.988	-10.194	-10.445	-10.762
	I	F"	4.108	4.108	4.108	4.108	4.108	4.108	4.109	4.109	4.109	4.109
5.015	I	F'	-11.196	-11.889	-13.753	-12.509	-11.496	-10.958	-10.590	-10.309	-10.083	-9.893
	I	F"	4.109	4.109	4.109	0.383	0.383	0.383	0.383	0.383	0.383	0.383
5.016	I	F'	-9.730	-9.586	-9.458	-9.343	-9.237	-9.141	-9.052	-8.969	-8.891	-8.818
	I	F"	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383
5.017	I	F'	-8.750	-8.685	-8.624	-8.566	-8.510	-8.457	-8.406	-8.358	-8.311	-8.266
	I	F"	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383
5.018	I	F'	-8.223	-8.181	-8.141	-8.102	-8.064	-8.028	-7.992	-7.958	-7.925	-7.892
	I	F"	0.383	0.383	0.383	0.383	0.383	0.384	0.384	0.384	0.384	0.384
5.019	I	F'	-7.861	-7.830	-7.800	-7.771	-7.742	-7.714	-7.687	-7.661	-7.635	-7.609
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.020	I	F'	-7.584	-7.560	-7.536	-7.513	-7.490	-7.467	-7.445	-7.424	-7.402	-7.382
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.021	I	F'	-7.361	-7.341	-7.321	-7.302	-7.282	-7.264	-7.245	-7.227	-7.209	-7.191
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.022	I	F'	-7.174	-7.157	-7.140	-7.123	-7.107	-7.090	-7.074	-7.059	-7.043	-7.028
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.023	I	F'	-7.013	-6.998	-6.983	-6.968	-6.954	-6.940	-6.926	-6.912	-6.898	-6.885
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.024	I	F'	-6.871	-6.858	-6.845	-6.832	-6.819	-6.806	-6.794	-6.781	-6.769	-6.757
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.025	I	F'	-6.745	-6.733	-6.721	-6.710	-6.698	-6.687	-6.676	-6.664	-6.653	-6.642
	I	F"	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
5.026	I	F'	-6.632	-6.621	-6.610	-6.599	-6.589	-6.579	-6.568	-6.558	-6.548	-6.538
	I	F"	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385
5.027	I	F'	-6.528	-6.518	-6.509	-6.499	-6.489	-6.480	-6.470	-6.461	-6.452	-6.442
	I	F"	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385
5.028	I	F'	-6.433	-6.424	-6.415	-6.406	-6.397	-6.389	-6.380	-6.371	-6.363	-6.354
	I	F"	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385

ATOMIC SYMBOL = CL ATOMIC NUMBER = 17 K ABSORPTION EDGE (4.39710 Å; 2.8195 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
4.379	I	F'	-6.058	-6.067	-6.076	-6.085	-6.094	-6.103	-6.112	-6.122	-6.131	-6.141
	I	F"	4.079	4.079	4.079	4.080	4.080	4.080	4.080	4.080	4.080	4.080
4.380	I	F'	-6.150	-6.160	-6.169	-6.179	-6.189	-6.199	-6.209	-6.219	-6.229	-6.239
	I	F"	4.080	4.081	4.081	4.081	4.081	4.081	4.081	4.081	4.081	4.082
4.381	I	F'	-6.250	-6.260	-6.270	-6.281	-6.292	-6.302	-6.313	-6.324	-6.335	-6.347
	I	F"	4.082	4.082	4.082	4.082	4.082	4.082	4.082	4.083	4.083	4.083
4.382	I	F'	-6.358	-6.369	-6.381	-6.392	-6.404	-6.416	-6.428	-6.440	-6.452	-6.464
	I	F"	4.083	4.083	4.083	4.083	4.083	4.083	4.084	4.084	4.084	4.084
4.383	I	F'	-6.477	-6.489	-6.502	-6.515	-6.528	-6.541	-6.554	-6.567	-6.581	-6.595
	I	F"	4.084	4.084	4.084	4.084	4.085	4.085	4.085	4.085	4.085	4.085
4.384	I	F'	-6.609	-6.623	-6.637	-6.651	-6.666	-6.680	-6.695	-6.710	-6.725	-6.741
	I	F"	4.085	4.085	4.086	4.086	4.086	4.086	4.086	4.086	4.086	4.086
4.385	I	F'	-6.756	-6.772	-6.788	-6.805	-6.821	-6.838	-6.855	-6.872	-6.889	-6.907
	I	F"	4.086	4.087	4.087	4.087	4.087	4.087	4.087	4.087	4.087	4.088
4.386	I	F'	-6.925	-6.943	-6.962	-6.981	-7.000	-7.019	-7.039	-7.059	-7.079	-7.100
	I	F"	4.088	4.088	4.088	4.088	4.088	4.088	4.088	4.089	4.089	4.089
4.387	I	F'	-7.121	-7.143	-7.164	-7.187	-7.209	-7.233	-7.256	-7.280	-7.305	-7.330
	I	F"	4.089	4.089	4.089	4.089	4.089	4.089	4.090	4.090	4.090	4.090
4.388	I	F'	-7.356	-7.382	-7.408	-7.436	-7.464	-7.493	-7.522	-7.552	-7.583	-7.615
	I	F"	4.090	4.090	4.090	4.090	4.091	4.091	4.091	4.091	4.091	4.091
4.389	I	F'	-7.647	-7.681	-7.715	-7.751	-7.788	-7.825	-7.864	-7.905	-7.946	-7.990
	I	F"	4.091	4.091	4.092	4.092	4.092	4.092	4.092	4.092	4.092	4.092
4.390	I	F'	-8.035	-8.081	-8.130	-8.180	-8.233	-8.289	-8.347	-8.408	-8.472	-8.540
	I	F"	4.092	4.093	4.093	4.093	4.093	4.093	4.093	4.093	4.093	4.094
4.391	I	F'	-8.612	-8.689	-8.771	-8.860	-8.955	-9.059	-9.173	-9.299	-9.440	-9.600
	I	F"	4.094	4.094	4.094	4.094	4.094	4.094	4.094	4.094	4.095	4.095
4.392	I	F'	-9.785	-10.005	-10.276	-10.628	-11.131	-12.028	-14.315	-11.720	-10.973	-10.520
	I	F"	4.095	4.095	4.095	4.095	4.095	4.095	0.396	0.396	0.396	0.396
4.393	I	F'	-10.194	-9.939	-9.729	-9.552	-9.398	-9.262	-9.140	-9.029	-8.929	-8.836
	I	F"	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396
4.394	I	F'	-8.750	-8.670	-8.595	-8.524	-8.458	-8.395	-8.335	-8.278	-8.224	-8.173
	I	F"	0.396	0.396	0.396	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.395	I	F'	-8.123	-8.076	-8.030	-7.986	-7.944	-7.903	-7.864	-7.825	-7.788	-7.753
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.396	I	F'	-7.718	-7.684	-7.651	-7.620	-7.589	-7.558	-7.529	-7.500	-7.472	-7.445
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.397	I	F'	-7.418	-7.392	-7.367	-7.342	-7.317	-7.293	-7.270	-7.247	-7.224	-7.202
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.398	I	F'	-7.180	-7.159	-7.138	-7.118	-7.097	-7.078	-7.058	-7.039	-7.020	-7.002
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.399	I	F'	-6.983	-6.965	-6.948	-6.930	-6.913	-6.896	-6.879	-6.863	-6.847	-6.831
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397
4.400	I	F'	-6.815	-6.799	-6.784	-6.769	-6.754	-6.739	-6.725	-6.710	-6.696	-6.682
	I	F"	0.397	0.397	0.397	0.397	0.397	0.397	0.398	0.398	0.398	0.398
4.401	I	F'	-6.668	-6.655	-6.641	-6.628	-6.615	-6.602	-6.589	-6.576	-6.563	-6.551
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
4.402	I	F'	-6.538	-6.526	-6.514	-6.502	-6.490	-6.479	-6.467	-6.455	-6.444	-6.433
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
4.403	I	F'	-6.422	-6.411	-6.400	-6.389	-6.378	-6.368	-6.357	-6.347	-6.336	-6.326
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
4.404	I	F'	-6.316	-6.306	-6.296	-6.286	-6.276	-6.266	-6.257	-6.247	-6.238	-6.228
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
4.405	I	F'	-6.219	-6.210	-6.201	-6.192	-6.183	-6.174	-6.165	-6.156	-6.147	-6.139
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
4.406	I	F'	-6.130	-6.121	-6.113	-6.105	-6.096	-6.088	-6.080	-6.071	-6.063	-6.055
	I	F"	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.399

ATOMIC SYMBOL = AR ATOMIC NUMBER = 18 K ABSORPTION EDGE (3.87090 Å; 3.2028 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
3.857	I	F'	-5.806	-5.815	-5.824	-5.832	-5.841	-5.850	-5.859	-5.869	-5.878	-5.887
	I	F"	4.056	4.056	4.057	4.057	4.057	4.057	4.057	4.057	4.057	4.058
3.858	I	F'	-5.896	-5.906	-5.915	-5.925	-5.935	-5.944	-5.954	-5.964	-5.974	-5.984
	I	F"	4.058	4.058	4.058	4.058	4.058	4.059	4.059	4.059	4.059	4.059
3.859	I	F'	-5.994	-6.004	-6.015	-6.025	-6.035	-6.046	-6.057	-6.067	-6.078	-6.089
	I	F"	4.059	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.061	4.061
3.860	I	F'	-6.100	-6.111	-6.123	-6.134	-6.145	-6.157	-6.169	-6.180	-6.192	-6.204
	I	F"	4.061	4.061	4.061	4.061	4.062	4.062	4.062	4.062	4.062	4.062
3.861	I	F'	-6.216	-6.229	-6.241	-6.254	-6.266	-6.279	-6.292	-6.305	-6.318	-6.332
	I	F"	4.063	4.063	4.063	4.063	4.063	4.063	4.063	4.064	4.064	4.064
3.862	I	F'	-6.345	-6.359	-6.373	-6.387	-6.401	-6.415	-6.430	-6.444	-6.459	-6.474
	I	F"	4.064	4.064	4.064	4.065	4.065	4.065	4.065	4.065	4.065	4.065
3.863	I	F'	-6.489	-6.505	-6.520	-6.536	-6.552	-6.568	-6.585	-6.602	-6.618	-6.636
	I	F"	4.066	4.066	4.066	4.066	4.066	4.066	4.067	4.067	4.067	4.067
3.864	I	F'	-6.653	-6.671	-6.689	-6.707	-6.725	-6.744	-6.763	-6.783	-6.802	-6.822
	I	F"	4.067	4.067	4.068	4.068	4.068	4.068	4.068	4.068	4.068	4.069
3.865	I	F'	-6.843	-6.864	-6.885	-6.906	-6.928	-6.950	-6.973	-6.996	-7.020	-7.044
	I	F"	4.069	4.069	4.069	4.069	4.069	4.070	4.070	4.070	4.070	4.070
3.866	I	F'	-7.068	-7.093	-7.119	-7.145	-7.172	-7.200	-7.228	-7.256	-7.286	-7.316
	I	F"	4.070	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.072	4.072
3.867	I	F'	-7.347	-7.379	-7.411	-7.445	-7.480	-7.515	-7.552	-7.590	-7.629	-7.670
	I	F"	4.072	4.072	4.072	4.072	4.073	4.073	4.073	4.073	4.073	4.073
3.868	I	F'	-7.712	-7.755	-7.800	-7.847	-7.896	-7.947	-8.000	-8.056	-8.115	-8.176
	I	F"	4.074	4.074	4.074	4.074	4.074	4.074	4.074	4.075	4.075	4.075
3.869	I	F'	-8.242	-8.310	-8.384	-8.462	-8.545	-8.635	-8.732	-8.839	-8.955	-9.085
	I	F"	4.075	4.075	4.075	4.076	4.076	4.076	4.076	4.076	4.076	4.077
3.870	I	F'	-9.231	-9.397	-9.591	-9.824	-10.115	-10.503	-11.086	-12.306	-12.490	-11.139
	I	F"	4.077	4.077	4.077	4.077	4.077	4.077	4.078	4.078	0.408	0.408
3.871	I	F'	-10.530	-10.133	-9.837	-9.601	-9.406	-9.238	-9.092	-8.962	-8.845	-8.739
	I	F"	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408
3.872	I	F'	-8.642	-8.552	-8.469	-8.391	-8.318	-8.250	-8.185	-8.124	-8.066	-8.011
	I	F"	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408
3.873	I	F'	-7.958	-7.907	-7.859	-7.812	-7.768	-7.725	-7.683	-7.643	-7.605	-7.567
	I	F"	0.408	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
3.874	I	F'	-7.531	-7.496	-7.462	-7.429	-7.397	-7.365	-7.335	-7.305	-7.276	-7.248
	I	F"	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
3.875	I	F'	-7.221	-7.194	-7.168	-7.142	-7.117	-7.092	-7.068	-7.045	-7.022	-6.999
	I	F"	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
3.876	I	F'	-6.977	-6.955	-6.934	-6.913	-6.892	-6.872	-6.852	-6.832	-6.813	-6.794
	I	F"	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
3.877	I	F'	-6.776	-6.758	-6.740	-6.722	-6.704	-6.687	-6.670	-6.654	-6.637	-6.621
	I	F"	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
3.878	I	F'	-6.605	-6.589	-6.574	-6.558	-6.543	-6.528	-6.514	-6.499	-6.485	-6.471
	I	F"	0.409	0.409	0.409	0.409	0.410	0.410	0.410	0.410	0.410	0.410
3.879	I	F'	-6.457	-6.443	-6.429	-6.416	-6.402	-6.389	-6.376	-6.363	-6.351	-6.338
	I	F"	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
3.880	I	F'	-6.326	-6.313	-6.301	-6.289	-6.277	-6.265	-6.254	-6.242	-6.231	-6.219
	I	F"	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
3.881	I	F'	-6.208	-6.197	-6.186	-6.175	-6.164	-6.154	-6.143	-6.133	-6.122	-6.112
	I	F"	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
3.882	I	F'	-6.102	-6.092	-6.082	-6.072	-6.062	-6.052	-6.042	-6.033	-6.023	-6.014
	I	F"	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
3.883	I	F'	-6.005	-5.995	-5.986	-5.977	-5.968	-5.959	-5.950	-5.941	-5.933	-5.924
	I	F"	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.411	0.411	0.411
3.884	I	F'	-5.915	-5.907	-5.898	-5.890	-5.881	-5.873	-5.865	-5.857	-5.849	-5.841
	I	F"	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411

ATOMIC SYMBOL = K ATOMIC NUMBER = 19 K ABSORPTION EDGE (3.43650 Å; 3.6076 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
3.423	I	F'	-5.585	-5.594	-5.603	-5.611	-5.620	-5.629	-5.638	-5.648	-5.657	-5.666
	I	F"	4.040	4.040	4.040	4.040	4.041	4.041	4.041	4.041	4.041	4.042
3.424	I	F'	-5.675	-5.685	-5.694	-5.704	-5.714	-5.723	-5.733	-5.743	-5.753	-5.763
	I	F"	4.042	4.042	4.042	4.042	4.043	4.043	4.043	4.043	4.043	4.044
3.425	I	F'	-5.773	-5.783	-5.794	-5.804	-5.814	-5.825	-5.836	-5.846	-5.857	-5.868
	I	F"	4.044	4.044	4.044	4.044	4.045	4.045	4.045	4.045	4.045	4.046
3.426	I	F'	-5.879	-5.890	-5.902	-5.913	-5.924	-5.936	-5.948	-5.960	-5.971	-5.983
	I	F"	4.046	4.046	4.046	4.046	4.047	4.047	4.047	4.047	4.047	4.048
3.427	I	F'	-5.996	-6.008	-6.020	-6.033	-6.046	-6.058	-6.071	-6.084	-6.098	-6.111
	I	F"	4.048	4.048	4.048	4.048	4.048	4.049	4.049	4.049	4.049	4.049
3.428	I	F'	-6.124	-6.138	-6.152	-6.166	-6.180	-6.194	-6.209	-6.223	-6.238	-6.253
	I	F"	4.050	4.050	4.050	4.050	4.050	4.051	4.051	4.051	4.051	4.051
3.429	I	F'	-6.269	-6.284	-6.300	-6.315	-6.331	-6.348	-6.364	-6.381	-6.398	-6.415
	I	F"	4.052	4.052	4.052	4.052	4.052	4.053	4.053	4.053	4.053	4.053
3.430	I	F'	-6.432	-6.450	-6.468	-6.486	-6.505	-6.524	-6.543	-6.562	-6.582	-6.602
	I	F"	4.054	4.054	4.054	4.054	4.054	4.055	4.055	4.055	4.055	4.055
3.431	I	F'	-6.622	-6.643	-6.664	-6.686	-6.708	-6.730	-6.753	-6.776	-6.800	-6.824
	I	F"	4.056	4.056	4.056	4.056	4.056	4.057	4.057	4.057	4.057	4.057
3.432	I	F'	-6.848	-6.874	-6.899	-6.926	-6.952	-6.980	-7.008	-7.037	-7.066	-7.097
	I	F"	4.058	4.058	4.058	4.058	4.058	4.059	4.059	4.059	4.059	4.059
3.433	I	F'	-7.128	-7.160	-7.193	-7.226	-7.261	-7.297	-7.334	-7.372	-7.411	-7.452
	I	F"	4.060	4.060	4.060	4.060	4.060	4.061	4.061	4.061	4.061	4.061
3.434	I	F'	-7.494	-7.538	-7.584	-7.631	-7.680	-7.732	-7.785	-7.842	-7.901	-7.963
	I	F"	4.061	4.062	4.062	4.062	4.062	4.062	4.063	4.063	4.063	4.063
3.435	I	F'	-8.029	-8.099	-8.173	-8.252	-8.337	-8.429	-8.528	-8.637	-8.756	-8.890
	I	F"	4.063	4.064	4.064	4.064	4.064	4.064	4.065	4.065	4.065	4.065
3.436	I	F'	-9.040	-9.213	-9.416	-9.663	-9.975	-10.404	-11.090	-12.985	-11.648	-10.673
	I	F"	4.065	4.066	4.066	4.066	4.066	4.066	4.067	4.067	0.419	0.419
3.437	I	F'	-10.152	-9.794	-9.521	-9.300	-9.115	-8.955	-8.815	-8.690	-8.578	-8.475
	I	F"	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419
3.438	I	F'	-8.381	-8.294	-8.213	-8.137	-8.066	-7.999	-7.936	-7.876	-7.819	-7.765
	I	F"	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419
3.439	I	F'	-7.714	-7.664	-7.617	-7.571	-7.527	-7.485	-7.444	-7.405	-7.367	-7.330
	I	F"	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419
3.440	I	F'	-7.295	-7.260	-7.227	-7.194	-7.162	-7.132	-7.102	-7.072	-7.044	-7.016
	I	F"	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419
3.441	I	F'	-6.989	-6.962	-6.937	-6.911	-6.887	-6.862	-6.839	-6.815	-6.793	-6.770
	I	F"	0.419	0.419	0.419	0.420	0.420	0.420	0.420	0.420	0.420	0.420
3.442	I	F'	-6.748	-6.727	-6.706	-6.685	-6.665	-6.645	-6.625	-6.606	-6.587	-6.568
	I	F"	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420
3.443	I	F'	-6.550	-6.532	-6.514	-6.497	-6.480	-6.463	-6.446	-6.429	-6.413	-6.397
	I	F"	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420
3.444	I	F'	-6.382	-6.366	-6.351	-6.336	-6.321	-6.306	-6.291	-6.277	-6.263	-6.249
	I	F"	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420
3.445	I	F'	-6.235	-6.221	-6.208	-6.195	-6.181	-6.168	-6.155	-6.143	-6.130	-6.118
	I	F"	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.421
3.446	I	F'	-6.105	-6.093	-6.081	-6.069	-6.058	-6.046	-6.034	-6.023	-6.012	-6.000
	I	F"	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421
3.447	I	F'	-5.989	-5.978	-5.968	-5.957	-5.946	-5.936	-5.925	-5.915	-5.905	-5.894
	I	F"	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421
3.448	I	F'	-5.884	-5.874	-5.865	-5.855	-5.845	-5.835	-5.826	-5.816	-5.807	-5.798
	I	F"	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421
3.449	I	F'	-5.788	-5.779	-5.770	-5.761	-5.752	-5.743	-5.735	-5.726	-5.717	-5.709
	I	F"	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421
3.450	I	F'	-5.700	-5.692	-5.683	-5.675	-5.667	-5.659	-5.650	-5.642	-5.634	-5.626
	I	F"	0.421	0.421	0.421	0.421	0.421	0.422	0.422	0.422	0.422	0.422

ATOMIC SYMBOL = CA ATOMIC NUMBER = 20 K ABSORPTION EDGE (3.07030 Å; 4.0379 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
3.056	I	F'	-5.335	-5.343	-5.352	-5.360	-5.369	-5.378	-5.387	-5.395	-5.404	-5.413
	I	F"	4.022	4.022	4.023	4.023	4.023	4.023	4.024	4.024	4.024	4.024
3.057	I	F'	-5.422	-5.431	-5.441	-5.450	-5.459	-5.469	-5.478	-5.487	-5.497	-5.507
	I	F"	4.025	4.025	4.025	4.025	4.026	4.026	4.026	4.026	4.027	4.027
3.058	I	F'	-5.517	-5.526	-5.536	-5.546	-5.556	-5.567	-5.577	-5.587	-5.598	-5.608
	I	F"	4.027	4.027	4.028	4.028	4.028	4.028	4.029	4.029	4.029	4.029
3.059	I	F'	-5.619	-5.629	-5.640	-5.651	-5.662	-5.673	-5.684	-5.696	-5.707	-5.718
	I	F"	4.030	4.030	4.030	4.030	4.031	4.031	4.031	4.031	4.032	4.032
3.060	I	F'	-5.730	-5.742	-5.754	-5.766	-5.778	-5.790	-5.802	-5.815	-5.827	-5.840
	I	F"	4.032	4.032	4.032	4.033	4.033	4.033	4.033	4.034	4.034	4.034
3.061	I	F'	-5.853	-5.866	-5.879	-5.892	-5.906	-5.919	-5.933	-5.947	-5.961	-5.975
	I	F"	4.034	4.035	4.035	4.035	4.035	4.036	4.036	4.036	4.036	4.037
3.062	I	F'	-5.990	-6.004	-6.019	-6.034	-6.049	-6.064	-6.080	-6.095	-6.111	-6.127
	I	F"	4.037	4.037	4.037	4.038	4.038	4.038	4.038	4.039	4.039	4.039
3.063	I	F'	-6.144	-6.160	-6.177	-6.194	-6.211	-6.229	-6.247	-6.265	-6.283	-6.302
	I	F"	4.039	4.040	4.040	4.040	4.040	4.041	4.041	4.041	4.041	4.042
3.064	I	F'	-6.321	-6.340	-6.360	-6.379	-6.400	-6.420	-6.441	-6.462	-6.484	-6.506
	I	F"	4.042	4.042	4.042	4.043	4.043	4.043	4.043	4.044	4.044	4.044
3.065	I	F'	-6.529	-6.552	-6.575	-6.599	-6.623	-6.648	-6.674	-6.699	-6.726	-6.753
	I	F"	4.044	4.045	4.045	4.045	4.045	4.046	4.046	4.046	4.046	4.047
3.066	I	F'	-6.781	-6.809	-6.838	-6.868	-6.899	-6.930	-6.963	-6.996	-7.030	-7.066
	I	F"	4.047	4.047	4.047	4.047	4.048	4.048	4.048	4.048	4.049	4.049
3.067	I	F'	-7.102	-7.139	-7.178	-7.218	-7.259	-7.302	-7.347	-7.393	-7.441	-7.492
	I	F"	4.049	4.049	4.050	4.050	4.050	4.050	4.051	4.051	4.051	4.051
3.068	I	F'	-7.544	-7.599	-7.657	-7.718	-7.782	-7.850	-7.922	-7.998	-8.080	-8.169
	I	F"	4.052	4.052	4.052	4.052	4.053	4.053	4.053	4.053	4.054	4.054
3.069	I	F'	-8.264	-8.368	-8.482	-8.609	-8.751	-8.913	-9.101	-9.326	-9.606	-9.974
	I	F"	4.054	4.054	4.055	4.055	4.055	4.055	4.056	4.056	4.056	4.056
3.070	I	F'	-10.518	-11.579	-12.349	-10.757	-10.113	-9.703	-9.402	-9.163	-8.965	-8.797
	I	F"	4.057	4.057	0.427	0.428	0.428	0.428	0.428	0.428	0.428	0.428
3.071	I	F'	-8.650	-8.520	-8.403	-8.297	-8.200	-8.111	-8.028	-7.950	-7.878	-7.810
	I	F"	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428
3.072	I	F'	-7.746	-7.685	-7.627	-7.572	-7.520	-7.470	-7.422	-7.376	-7.331	-7.289
	I	F"	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428
3.073	I	F'	-7.248	-7.208	-7.170	-7.133	-7.097	-7.062	-7.029	-6.996	-6.964	-6.933
	I	F"	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428	0.428
3.074	I	F'	-6.903	-6.874	-6.845	-6.817	-6.790	-6.763	-6.737	-6.712	-6.687	-6.663
	I	F"	0.428	0.428	0.428	0.429	0.429	0.429	0.429	0.429	0.429	0.429
3.075	I	F'	-6.639	-6.616	-6.593	-6.571	-6.549	-6.527	-6.506	-6.486	-6.465	-6.445
	I	F"	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429
3.076	I	F'	-6.426	-6.407	-6.388	-6.369	-6.351	-6.333	-6.315	-6.297	-6.280	-6.263
	I	F"	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429
3.077	I	F'	-6.247	-6.230	-6.214	-6.198	-6.182	-6.167	-6.152	-6.136	-6.122	-6.107
	I	F"	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429
3.078	I	F'	-6.092	-6.078	-6.064	-6.050	-6.036	-6.023	-6.009	-5.996	-5.983	-5.970
	I	F"	0.429	0.429	0.429	0.430	0.430	0.430	0.430	0.430	0.430	0.430
3.079	I	F'	-5.957	-5.944	-5.932	-5.919	-5.907	-5.895	-5.883	-5.871	-5.860	-5.848
	I	F"	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430
3.080	I	F'	-5.836	-5.825	-5.814	-5.803	-5.792	-5.781	-5.770	-5.759	-5.749	-5.738
	I	F"	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430
3.081	I	F'	-5.728	-5.717	-5.707	-5.697	-5.687	-5.677	-5.667	-5.658	-5.648	-5.638
	I	F"	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430	0.430
3.082	I	F'	-5.629	-5.620	-5.610	-5.601	-5.592	-5.583	-5.574	-5.565	-5.556	-5.547
	I	F"	0.430	0.430	0.430	0.431	0.431	0.431	0.431	0.431	0.431	0.431
3.083	I	F'	-5.538	-5.530	-5.521	-5.513	-5.504	-5.496	-5.487	-5.479	-5.471	-5.463
	I	F"	0.431	0.431	0.431	0.431	0.431	0.431	0.431	0.431	0.431	0.431

ATOMIC SYMBOL = SC ATOMIC NUMBER = 21 K ABSORPTION EDGE (2.76200 Å; 4.4886 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
2.745	I	F'	-5.124	-5.132	-5.141	-5.149	-5.157	-5.166	-5.174	-5.183	-5.192	-5.200
	I	F"	3.992	3.992	3.993	3.993	3.993	3.993	3.994	3.994	3.994	3.995
2.746	I	F'	-5.209	-5.218	-5.227	-5.236	-5.245	-5.254	-5.263	-5.273	-5.282	-5.291
	I	F"	3.995	3.995	3.995	3.996	3.996	3.996	3.996	3.997	3.997	3.997
2.747	I	F'	-5.301	-5.310	-5.320	-5.330	-5.339	-5.349	-5.359	-5.369	-5.379	-5.390
	I	F"	3.998	3.998	3.998	3.998	3.999	3.999	3.999	4.000	4.000	4.000
2.748	I	F'	-5.400	-5.410	-5.421	-5.431	-5.442	-5.453	-5.463	-5.474	-5.485	-5.497
	I	F"	4.000	4.001	4.001	4.001	4.001	4.002	4.002	4.002	4.003	4.003
2.749	I	F'	-5.508	-5.519	-5.531	-5.542	-5.554	-5.566	-5.578	-5.590	-5.602	-5.614
	I	F"	4.003	4.003	4.004	4.004	4.004	4.004	4.005	4.005	4.005	4.006
2.750	I	F'	-5.626	-5.639	-5.652	-5.664	-5.677	-5.690	-5.704	-5.717	-5.730	-5.744
	I	F"	4.006	4.006	4.006	4.007	4.007	4.007	4.007	4.008	4.008	4.008
2.751	I	F'	-5.758	-5.772	-5.786	-5.800	-5.815	-5.830	-5.844	-5.859	-5.875	-5.890
	I	F"	4.009	4.009	4.009	4.009	4.010	4.010	4.010	4.010	4.011	4.011
2.752	I	F'	-5.906	-5.922	-5.938	-5.954	-5.970	-5.987	-6.004	-6.021	-6.039	-6.056
	I	F"	4.011	4.012	4.012	4.012	4.012	4.013	4.013	4.013	4.014	4.014
2.753	I	F'	-6.074	-6.093	-6.111	-6.130	-6.149	-6.169	-6.189	-6.209	-6.229	-6.250
	I	F"	4.014	4.014	4.015	4.015	4.015	4.015	4.016	4.016	4.016	4.017
2.754	I	F'	-6.271	-6.293	-6.315	-6.337	-6.360	-6.383	-6.407	-6.431	-6.456	-6.482
	I	F"	4.017	4.017	4.017	4.018	4.018	4.018	4.018	4.019	4.019	4.019
2.755	I	F'	-6.507	-6.534	-6.561	-6.589	-6.617	-6.646	-6.676	-6.706	-6.738	-6.770
	I	F"	4.020	4.020	4.020	4.020	4.021	4.021	4.021	4.022	4.022	4.022
2.756	I	F'	-6.803	-6.837	-6.872	-6.909	-6.946	-6.985	-7.025	-7.066	-7.109	-7.154
	I	F"	4.022	4.023	4.023	4.023	4.023	4.024	4.024	4.024	4.025	4.025
2.757	I	F'	-7.200	-7.248	-7.298	-7.351	-7.406	-7.464	-7.525	-7.589	-7.657	-7.729
	I	F"	4.025	4.025	4.026	4.026	4.026	4.026	4.027	4.027	4.027	4.028
2.758	I	F'	-7.806	-7.889	-7.978	-8.074	-8.179	-8.295	-8.423	-8.567	-8.733	-8.926
	I	F"	4.028	4.028	4.028	4.029	4.029	4.029	4.030	4.030	4.030	4.030
2.759	I	F'	-9.158	-9.449	-9.840	-10.438	-11.759	-11.559	-10.362	-9.792	-9.413	-9.129
	I	F"	4.031	4.031	4.031	4.031	4.032	0.436	0.436	0.436	0.436	0.436
2.760	I	F'	-8.903	-8.714	-8.552	-8.410	-8.284	-8.171	-8.068	-7.973	-7.886	-7.805
	I	F"	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436
2.761	I	F'	-7.730	-7.659	-7.592	-7.529	-7.470	-7.413	-7.359	-7.308	-7.259	-7.212
	I	F"	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436
2.762	I	F'	-7.166	-7.123	-7.081	-7.041	-7.002	-6.964	-6.928	-6.892	-6.858	-6.825
	I	F"	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.437	0.437	0.437
2.763	I	F'	-6.793	-6.762	-6.731	-6.702	-6.673	-6.645	-6.617	-6.590	-6.564	-6.539
	I	F"	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437
2.764	I	F'	-6.514	-6.489	-6.465	-6.442	-6.419	-6.396	-6.374	-6.353	-6.332	-6.311
	I	F"	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437
2.765	I	F'	-6.291	-6.270	-6.251	-6.232	-6.213	-6.194	-6.175	-6.157	-6.140	-6.122
	I	F"	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437
2.766	I	F'	-6.105	-6.088	-6.071	-6.055	-6.039	-6.023	-6.007	-5.992	-5.976	-5.961
	I	F"	0.437	0.437	0.437	0.438	0.438	0.438	0.438	0.438	0.438	0.438
2.767	I	F'	-5.946	-5.932	-5.917	-5.903	-5.889	-5.875	-5.861	-5.847	-5.834	-5.821
	I	F"	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438
2.768	I	F'	-5.808	-5.795	-5.782	-5.769	-5.757	-5.744	-5.732	-5.720	-5.708	-5.696
	I	F"	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438
2.769	I	F'	-5.685	-5.673	-5.662	-5.650	-5.639	-5.628	-5.617	-5.606	-5.595	-5.585
	I	F"	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.439	0.439
2.770	I	F'	-5.574	-5.564	-5.553	-5.543	-5.533	-5.523	-5.513	-5.503	-5.493	-5.484
	I	F"	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439
2.771	I	F'	-5.474	-5.465	-5.455	-5.446	-5.436	-5.427	-5.418	-5.409	-5.400	-5.391
	I	F"	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439
2.772	I	F'	-5.382	-5.374	-5.365	-5.356	-5.348	-5.339	-5.331	-5.323	-5.314	-5.306
	I	F"	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439

ATOMIC SYMBOL = TI ATOMIC NUMBER = 22 K ABSORPTION EDGE (2.49734 Å; 4.9643 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
2.482	I	F'	-4.967	-4.975	-4.983	-4.992	-5.000	-5.009	-5.017	-5.026	-5.035	-5.043
	I	F"	3.966	3.966	3.966	3.967	3.967	3.967	3.968	3.968	3.968	3.969
2.483	I	F'	-5.052	-5.061	-5.070	-5.079	-5.088	-5.097	-5.107	-5.116	-5.125	-5.135
	I	F"	3.969	3.969	3.969	3.970	3.970	3.970	3.971	3.971	3.971	3.972
2.484	I	F'	-5.144	-5.154	-5.163	-5.173	-5.183	-5.193	-5.203	-5.213	-5.223	-5.234
	I	F"	3.972	3.972	3.972	3.973	3.973	3.973	3.974	3.974	3.974	3.975
2.485	I	F'	-5.244	-5.254	-5.265	-5.275	-5.286	-5.297	-5.308	-5.319	-5.330	-5.341
	I	F"	3.975	3.975	3.975	3.976	3.976	3.976	3.977	3.977	3.977	3.978
2.486	I	F'	-5.353	-5.364	-5.376	-5.387	-5.399	-5.411	-5.423	-5.435	-5.447	-5.460
	I	F"	3.978	3.978	3.979	3.979	3.979	3.979	3.980	3.980	3.980	3.981
2.487	I	F'	-5.472	-5.485	-5.498	-5.510	-5.523	-5.537	-5.550	-5.563	-5.577	-5.591
	I	F"	3.981	3.981	3.982	3.982	3.982	3.982	3.983	3.983	3.983	3.984
2.488	I	F'	-5.605	-5.619	-5.633	-5.648	-5.662	-5.677	-5.692	-5.708	-5.723	-5.739
	I	F"	3.984	3.984	3.985	3.985	3.985	3.986	3.986	3.986	3.986	3.987
2.489	I	F'	-5.754	-5.770	-5.787	-5.803	-5.820	-5.837	-5.854	-5.872	-5.889	-5.907
	I	F"	3.987	3.987	3.988	3.988	3.988	3.989	3.989	3.989	3.989	3.990
2.490	I	F'	-5.926	-5.944	-5.963	-5.982	-6.002	-6.021	-6.042	-6.062	-6.083	-6.104
	I	F"	3.990	3.990	3.991	3.991	3.991	3.992	3.992	3.992	3.993	3.993
2.491	I	F'	-6.126	-6.148	-6.170	-6.193	-6.216	-6.240	-6.265	-6.289	-6.315	-6.341
	I	F"	3.993	3.993	3.994	3.994	3.994	3.995	3.995	3.993	3.996	3.996
2.492	I	F'	-6.367	-6.394	-6.422	-6.451	-6.480	-6.510	-6.540	-6.572	-6.604	-6.638
	I	F"	3.996	3.996	3.997	3.997	3.997	3.998	3.998	3.998	3.999	3.999
2.493	I	F'	-6.672	-6.707	-6.744	-6.781	-6.820	-6.861	-6.902	-6.946	-6.990	-7.037
	I	F"	3.999	4.000	4.000	4.000	4.000	4.001	4.001	4.001	4.002	4.002
2.494	I	F'	-7.086	-7.137	-7.190	-7.246	-7.305	-7.366	-7.432	-7.501	-7.574	-7.653
	I	F"	4.002	4.003	4.003	4.003	4.003	4.004	4.004	4.004	4.005	4.005
2.495	I	F'	-7.738	-7.829	-7.928	-8.036	-8.156	-8.290	-8.441	-8.616	-8.823	-9.075
	I	F"	4.005	4.006	4.006	4.006	4.007	4.007	4.007	4.007	4.008	4.008
2.496	I	F'	-9.399	-9.855	-10.625	-14.630	-10.677	-9.876	-9.411	-9.083	-8.830	-8.623
	I	F"	4.008	4.009	4.009	4.009	0.443	0.443	0.443	0.443	0.443	0.443
2.497	I	F'	-8.448	-8.296	-8.163	-8.044	-7.936	-7.838	-7.748	-7.664	-7.586	-7.513
	I	F"	0.443	0.443	0.443	0.443	0.443	0.444	0.444	0.444	0.444	0.444
2.498	I	F'	-7.445	-7.381	-7.320	-7.262	-7.207	-7.155	-7.105	-7.057	-7.011	-6.967
	I	F"	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
2.499	I	F'	-6.925	-6.884	-6.845	-6.807	-6.770	-6.735	-6.700	-6.667	-6.634	-6.603
	I	F"	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
2.500	I	F'	-6.572	-6.542	-6.513	-6.485	-6.457	-6.430	-6.404	-6.379	-6.354	-6.329
	I	F"	0.444	0.444	0.444	0.444	0.444	0.444	0.445	0.445	0.445	0.445
2.501	I	F'	-6.305	-6.282	-6.259	-6.236	-6.214	-6.192	-6.171	-6.150	-6.130	-6.110
	I	F"	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445
2.502	I	F'	-6.090	-6.071	-6.052	-6.033	-6.015	-5.997	-5.979	-5.962	-5.945	-5.928
	I	F"	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445
2.503	I	F'	-5.911	-5.895	-5.878	-5.863	-5.847	-5.831	-5.816	-5.801	-5.786	-5.772
	I	F"	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.446	0.446
2.504	I	F'	-5.757	-5.743	-5.729	-5.715	-5.701	-5.688	-5.674	-5.661	-5.648	-5.635
	I	F"	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
2.505	I	F'	-5.622	-5.610	-5.597	-5.585	-5.573	-5.561	-5.549	-5.537	-5.526	-5.514
	I	F"	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
2.506	I	F'	-5.503	-5.491	-5.480	-5.469	-5.458	-5.448	-5.437	-5.426	-5.416	-5.405
	I	F"	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.447
2.507	I	F'	-5.395	-5.385	-5.375	-5.365	-5.355	-5.345	-5.335	-5.326	-5.316	-5.307
	I	F"	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447
2.508	I	F'	-5.297	-5.288	-5.279	-5.270	-5.261	-5.252	-5.243	-5.234	-5.225	-5.216
	I	F"	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447
2.509	I	F'	-5.208	-5.199	-5.191	-5.182	-5.174	-5.166	-5.157	-5.149	-5.141	-5.133
	I	F"	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447

ATOMIC SYMBOL = V ATOMIC NUMBER = 23 K ABSORPTION EDGE (2.26910 Å; 5.4637 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
2.255	I	F'	-4.875	-4.884	-4.893	-4.902	-4.911	-4.920	-4.929	-4.938	-4.947	-4.956
	I	F"	3.950	3.950	3.951	3.951	3.951	3.952	3.952	3.952	3.953	3.953
2.256	I	F'	-4.966	-4.975	-4.985	-4.994	-5.004	-5.014	-5.023	-5.033	-5.043	-5.053
	I	F"	3.953	3.954	3.954	3.954	3.955	3.955	3.955	3.956	3.956	3.956
2.257	I	F'	-5.063	-5.074	-5.084	-5.094	-5.105	-5.115	-5.126	-5.137	-5.148	-5.159
	I	F"	3.957	3.957	3.957	3.958	3.958	3.958	3.959	3.959	3.959	3.960
2.258	I	F'	-5.170	-5.181	-5.192	-5.204	-5.215	-5.227	-5.238	-5.250	-5.262	-5.274
	I	F"	3.960	3.960	3.961	3.961	3.962	3.962	3.962	3.963	3.963	3.963
2.259	I	F'	-5.287	-5.299	-5.311	-5.324	-5.337	-5.349	-5.362	-5.376	-5.389	-5.402
	I	F"	3.964	3.964	3.964	3.965	3.965	3.965	3.966	3.966	3.966	3.967
2.260	I	F'	-5.416	-5.430	-5.444	-5.458	-5.472	-5.486	-5.501	-5.516	-5.531	-5.546
	I	F"	3.967	3.967	3.968	3.968	3.968	3.969	3.969	3.969	3.970	3.970
2.261	I	F'	-5.561	-5.577	-5.593	-5.608	-5.625	-5.641	-5.658	-5.675	-5.692	-5.709
	I	F"	3.970	3.971	3.971	3.971	3.972	3.972	3.973	3.973	3.973	3.974
2.262	I	F'	-5.727	-5.745	-5.763	-5.781	-5.800	-5.819	-5.839	-5.858	-5.878	-5.899
	I	F"	3.974	3.974	3.975	3.975	3.975	3.976	3.976	3.976	3.977	3.977
2.263	I	F'	-5.919	-5.941	-5.962	-5.984	-6.006	-6.029	-6.052	-6.076	-6.100	-6.125
	I	F"	3.977	3.978	3.978	3.978	3.979	3.979	3.979	3.980	3.980	3.980
2.264	I	F'	-6.150	-6.176	-6.202	-6.229	-6.257	-6.285	-6.314	-6.344	-6.374	-6.406
	I	F"	3.981	3.981	3.981	3.982	3.982	3.983	3.983	3.983	3.984	3.984
2.265	I	F'	-6.438	-6.471	-6.505	-6.540	-6.576	-6.614	-6.652	-6.692	-6.734	-6.777
	I	F"	3.984	3.985	3.985	3.985	3.986	3.986	3.986	3.987	3.987	3.987
2.266	I	F'	-6.821	-6.868	-6.916	-6.967	-7.019	-7.075	-7.133	-7.194	-7.259	-7.327
	I	F"	3.988	3.988	3.988	3.989	3.989	3.989	3.990	3.990	3.990	3.991
2.267	I	F'	-7.400	-7.478	-7.562	-7.652	-7.750	-7.857	-7.975	-8.107	-8.256	-8.428
	I	F"	3.991	3.992	3.992	3.992	3.993	3.993	3.993	3.994	3.994	3.994
2.268	I	F'	-8.630	-8.877	-9.192	-9.631	-10.357	-12.970	-10.589	-9.742	-9.265	-8.931
	I	F"	3.995	3.995	3.995	3.996	3.996	3.996	0.450	0.450	0.450	0.450
2.269	I	F'	-8.674	-8.465	-8.289	-8.137	-8.003	-7.884	-7.776	-7.678	-7.587	-7.504
	I	F"	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450
2.270	I	F'	-7.426	-7.353	-7.285	-7.221	-7.160	-7.102	-7.048	-6.995	-6.946	-6.898
	I	F"	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451
2.271	I	F'	-6.852	-6.808	-6.766	-6.726	-6.686	-6.648	-6.612	-6.576	-6.542	-6.509
	I	F"	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451
2.272	I	F'	-6.477	-6.445	-6.415	-6.385	-6.356	-6.328	-6.301	-6.274	-6.248	-6.222
	I	F"	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.452	0.452
2.273	I	F'	-6.197	-6.173	-6.149	-6.126	-6.103	-6.081	-6.059	-6.037	-6.016	-5.995
	I	F"	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452
2.274	I	F'	-5.975	-5.955	-5.936	-5.916	-5.898	-5.879	-5.861	-5.843	-5.825	-5.808
	I	F"	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452
2.275	I	F'	-5.791	-5.774	-5.757	-5.741	-5.725	-5.709	-5.694	-5.678	-5.663	-5.648
	I	F"	0.452	0.452	0.452	0.452	0.452	0.452	0.453	0.453	0.453	0.453
2.276	I	F'	-5.633	-5.619	-5.605	-5.590	-5.577	-5.563	-5.549	-5.536	-5.522	-5.509
	I	F"	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453
2.277	I	F'	-5.496	-5.484	-5.471	-5.458	-5.446	-5.434	-5.422	-5.410	-5.398	-5.386
	I	F"	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453
2.278	I	F'	-5.375	-5.363	-5.352	-5.341	-5.330	-5.319	-5.308	-5.297	-5.287	-5.276
	I	F"	0.453	0.453	0.453	0.453	0.454	0.454	0.454	0.454	0.454	0.454
2.279	I	F'	-5.266	-5.256	-5.245	-5.235	-5.225	-5.215	-5.205	-5.196	-5.186	-5.176
	I	F"	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454
2.280	I	F'	-5.167	-5.158	-5.148	-5.139	-5.130	-5.121	-5.112	-5.103	-5.094	-5.085
	I	F"	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454	0.454
2.281	I	F'	-5.077	-5.068	-5.060	-5.051	-5.043	-5.034	-5.026	-5.018	-5.010	-5.002
	I	F"	0.454	0.454	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455
2.282	I	F'	-4.994	-4.986	-4.978	-4.970	-4.962	-4.954	-4.947	-4.939	-4.932	-4.924
	I	F"	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455

ATOMIC SYMBOL = CR ATOMIC NUMBER = 24 K ABSORPTION EDGE (2.07020 Å; 5.9886 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
2.056	I	F'	-4.689	-4.698	-4.706	-4.715	-4.723	-4.732	-4.741	-4.749	-4.758	-4.767
	I	F"	3.922	3.923	3.923	3.923	3.924	3.924	3.925	3.925	3.925	3.926
2.057	I	F'	-4.776	-4.785	-4.794	-4.803	-4.813	-4.822	-4.831	-4.841	-4.850	-4.860
	I	F"	3.926	3.926	3.927	3.927	3.927	3.928	3.928	3.929	3.929	3.929
2.058	I	F'	-4.870	-4.879	-4.889	-4.899	-4.909	-4.919	-4.929	-4.940	-4.950	-4.960
	I	F"	3.930	3.930	3.930	3.931	3.931	3.931	3.932	3.932	3.933	3.933
2.059	I	F'	-4.971	-4.982	-4.992	-5.003	-5.014	-5.025	-5.036	-5.047	-5.059	-5.070
	I	F"	3.933	3.934	3.934	3.934	3.935	3.935	3.936	3.936	3.936	3.937
2.060	I	F'	-5.082	-5.093	-5.105	-5.117	-5.129	-5.141	-5.154	-5.166	-5.178	-5.191
	I	F"	3.937	3.937	3.938	3.938	3.938	3.939	3.939	3.940	3.940	3.940
2.061	I	F'	-5.204	-5.217	-5.230	-5.243	-5.257	-5.270	-5.284	-5.298	-5.312	-5.326
	I	F"	3.941	3.941	3.941	3.942	3.942	3.943	3.943	3.943	3.944	3.944
2.062	I	F'	-5.340	-5.355	-5.369	-5.384	-5.399	-5.415	-5.430	-5.446	-5.462	-5.478
	I	F"	3.944	3.945	3.945	3.945	3.946	3.946	3.947	3.947	3.947	3.948
2.063	I	F'	-5.494	-5.511	-5.527	-5.544	-5.562	-5.579	-5.597	-5.615	-5.634	-5.652
	I	F"	3.948	3.948	3.949	3.949	3.950	3.950	3.950	3.951	3.951	3.951
2.064	I	F'	-5.671	-5.691	-5.710	-5.730	-5.750	-5.771	-5.792	-5.813	-5.835	-5.858
	I	F"	3.952	3.952	3.952	3.953	3.953	3.954	3.954	3.954	3.955	3.955
2.065	I	F'	-5.880	-5.903	-5.927	-5.951	-5.976	-6.001	-6.026	-6.053	-6.079	-6.107
	I	F"	3.955	3.956	3.956	3.957	3.957	3.957	3.958	3.958	3.958	3.959
2.066	I	F'	-6.135	-6.164	-6.194	-6.224	-6.255	-6.287	-6.320	-6.354	-6.389	-6.425
	I	F"	3.959	3.960	3.960	3.960	3.961	3.961	3.961	3.962	3.962	3.962
2.067	I	F'	-6.463	-6.501	-6.541	-6.582	-6.625	-6.669	-6.716	-6.764	-6.814	-6.867
	I	F"	3.963	3.963	3.964	3.964	3.964	3.965	3.965	3.965	3.966	3.966
2.068	I	F'	-6.922	-6.980	-7.041	-7.106	-7.175	-7.248	-7.325	-7.409	-7.499	-7.598
	I	F"	3.967	3.967	3.967	3.968	3.968	3.968	3.969	3.969	3.970	3.970
2.069	I	F'	-7.705	-7.824	-7.956	-8.107	-8.280	-8.486	-8.737	-9.060	-9.516	-10.298
	I	F"	3.970	3.971	3.971	3.971	3.972	3.972	3.972	3.973	3.973	3.974
2.070	I	F'	-15.666	-10.264	-9.495	-9.045	-8.725	-8.477	-8.274	-8.103	-7.955	-7.824
	I	F"	0.456	0.456	0.456	0.456	0.456	0.456	0.456	0.457	0.457	0.457
2.071	I	F'	-7.707	-7.601	-7.504	-7.416	-7.333	-7.257	-7.185	-7.118	-7.055	-6.995
	I	F"	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457
2.072	I	F'	-6.938	-6.885	-6.833	-6.784	-6.737	-6.692	-6.649	-6.607	-6.567	-6.528
	I	F"	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457
2.073	I	F'	-6.491	-6.455	-6.420	-6.386	-6.353	-6.321	-6.290	-6.260	-6.231	-6.202
	I	F"	0.457	0.457	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458
2.074	I	F'	-6.174	-6.147	-6.121	-6.095	-6.070	-6.045	-6.021	-5.998	-5.975	-5.952
	I	F"	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458
2.075	I	F'	-5.930	-5.908	-5.887	-5.866	-5.846	-5.826	-5.806	-5.787	-5.768	-5.749
	I	F"	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.459	0.459	0.459
2.076	I	F'	-5.731	-5.713	-5.695	-5.678	-5.660	-5.643	-5.627	-5.611	-5.594	-5.579
	I	F"	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
2.077	I	F'	-5.563	-5.547	-5.532	-5.517	-5.503	-5.488	-5.474	-5.459	-5.445	-5.432
	I	F"	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
2.078	I	F'	-5.418	-5.405	-5.391	-5.378	-5.365	-5.352	-5.340	-5.327	-5.315	-5.303
	I	F"	0.459	0.459	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
2.079	I	F'	-5.291	-5.279	-5.267	-5.255	-5.244	-5.232	-5.221	-5.210	-5.199	-5.188
	I	F"	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
2.080	I	F'	-5.177	-5.166	-5.156	-5.145	-5.135	-5.125	-5.114	-5.104	-5.094	-5.084
	I	F"	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.461	0.461	0.461
2.081	I	F'	-5.075	-5.065	-5.055	-5.046	-5.036	-5.027	-5.018	-5.008	-4.999	-4.990
	I	F"	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461
2.082	I	F'	-4.981	-4.972	-4.964	-4.955	-4.946	-4.938	-4.929	-4.921	-4.912	-4.904
	I	F"	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461
2.083	I	F'	-4.896	-4.888	-4.879	-4.871	-4.863	-4.855	-4.848	-4.840	-4.832	-4.824
	I	F"	0.461	0.461	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462

ATOMIC SYMBOL = MN ATOMIC NUMBER = 25 K ABSORPTION EDGE (1.89643 Å; 6.5374 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.882	I	F'	-4.554	-4.562	-4.571	-4.579	-4.588	-4.596	-4.605	-4.614	-4.623	-4.632
	I	F"	3.905	3.906	3.906	3.907	3.907	3.907	3.908	3.908	3.909	3.909
1.883	I	F'	-4.641	-4.650	-4.659	-4.668	-4.677	-4.686	-4.696	-4.705	-4.715	-4.725
	I	F"	3.909	3.910	3.910	3.911	3.911	3.912	3.912	3.912	3.913	3.913
1.884	I	F'	-4.734	-4.744	-4.754	-4.764	-4.774	-4.784	-4.794	-4.804	-4.815	-4.825
	I	F"	3.914	3.914	3.914	3.915	3.915	3.916	3.916	3.916	3.917	3.917
1.885	I	F'	-4.836	-4.846	-4.857	-4.868	-4.879	-4.890	-4.901	-4.912	-4.924	-4.935
	I	F"	3.918	3.918	3.919	3.919	3.919	3.920	3.920	3.921	3.921	3.921
1.886	I	F'	-4.947	-4.959	-4.970	-4.982	-4.994	-5.007	-5.019	-5.031	-5.044	-5.057
	I	F"	3.922	3.922	3.923	3.923	3.924	3.924	3.924	3.925	3.925	3.926
1.887	I	F'	-5.069	-5.082	-5.095	-5.109	-5.122	-5.136	-5.149	-5.163	-5.177	-5.192
	I	F"	3.926	3.926	3.927	3.927	3.928	3.928	3.928	3.929	3.929	3.930
1.888	I	F'	-5.206	-5.221	-5.235	-5.250	-5.265	-5.281	-5.296	-5.312	-5.328	-5.344
	I	F"	3.930	3.931	3.931	3.931	3.932	3.932	3.933	3.933	3.933	3.934
1.889	I	F'	-5.361	-5.377	-5.394	-5.411	-5.429	-5.446	-5.464	-5.482	-5.501	-5.520
	I	F"	3.934	3.935	3.935	3.936	3.936	3.936	3.937	3.937	3.938	3.938
1.890	I	F'	-5.539	-5.558	-5.578	-5.598	-5.618	-5.639	-5.660	-5.682	-5.704	-5.726
	I	F"	3.938	3.939	3.939	3.940	3.940	3.941	3.941	3.941	3.942	3.942
1.891	I	F'	-5.749	-5.772	-5.796	-5.820	-5.845	-5.870	-5.896	-5.922	-5.949	-5.977
	I	F"	3.943	3.943	3.943	3.944	3.944	3.945	3.945	3.946	3.946	3.946
1.892	I	F'	-6.005	-6.035	-6.064	-6.095	-6.127	-6.159	-6.192	-6.227	-6.262	-6.298
	I	F"	3.947	3.947	3.948	3.948	3.948	3.949	3.949	3.950	3.950	3.951
1.893	I	F'	-6.336	-6.375	-6.416	-6.457	-6.501	-6.546	-6.593	-6.642	-6.693	-6.747
	I	F"	3.951	3.951	3.952	3.952	3.953	3.953	3.953	3.954	3.954	3.955
1.894	I	F'	-6.803	-6.862	-6.925	-6.991	-7.061	-7.136	-7.216	-7.302	-7.396	-7.497
	I	F"	3.955	3.956	3.956	3.956	3.957	3.957	3.958	3.958	3.958	3.959
1.895	I	F'	-7.609	-7.733	-7.873	-8.033	-8.218	-8.441	-8.720	-9.092	-9.652	-10.829
	I	F"	3.959	3.960	3.960	3.961	3.961	3.961	3.962	3.962	3.963	3.963
1.896	I	F'	-10.962	-9.689	-9.112	-8.734	-8.453	-8.229	-8.043	-7.884	-7.745	-7.621
	I	F"	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462
1.897	I	F'	-7.510	-7.409	-7.317	-7.232	-7.153	-7.079	-7.010	-6.945	-6.884	-6.826
	I	F"	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463
1.898	I	F'	-6.771	-6.718	-6.668	-6.620	-6.575	-6.531	-6.488	-6.448	-6.408	-6.371
	I	F"	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463
1.899	I	F'	-6.334	-6.299	-6.264	-6.231	-6.199	-6.168	-6.137	-6.108	-6.079	-6.051
	I	F"	0.463	0.463	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464
1.900	I	F'	-6.024	-5.997	-5.971	-5.946	-5.921	-5.897	-5.873	-5.850	-5.827	-5.805
	I	F"	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464
1.901	I	F'	-5.783	-5.762	-5.741	-5.721	-5.700	-5.681	-5.661	-5.642	-5.624	-5.605
	I	F"	0.464	0.464	0.464	0.464	0.464	0.465	0.465	0.465	0.465	0.465
1.902	I	F'	-5.587	-5.569	-5.552	-5.535	-5.518	-5.501	-5.485	-5.469	-5.453	-5.437
	I	F"	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465
1.903	I	F'	-5.422	-5.407	-5.392	-5.377	-5.362	-5.348	-5.334	-5.320	-5.306	-5.292
	I	F"	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.466	0.466
1.904	I	F'	-5.279	-5.266	-5.253	-5.240	-5.227	-5.214	-5.202	-5.189	-5.177	-5.165
	I	F"	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1.905	I	F'	-5.153	-5.141	-5.130	-5.118	-5.107	-5.096	-5.084	-5.073	-5.063	-5.052
	I	F"	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1.906	I	F'	-5.041	-5.030	-5.020	-5.010	-4.999	-4.989	-4.979	-4.969	-4.959	-4.950
	I	F"	0.466	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467
1.907	I	F'	-4.940	-4.930	-4.921	-4.911	-4.902	-4.893	-4.884	-4.875	-4.866	-4.857
	I	F"	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467
1.908	I	F'	-4.848	-4.839	-4.830	-4.822	-4.813	-4.805	-4.796	-4.788	-4.780	-4.771
	I	F"	0.467	0.467	0.467	0.468	0.468	0.468	0.468	0.468	0.468	0.468
1.909	I	F'	-4.763	-4.755	-4.747	-4.739	-4.731	-4.724	-4.716	-4.708	-4.700	-4.693
	I	F"	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468

ATOMIC SYMBOL = FE ATOMIC NUMBER = 26 K ABSORPTION EDGE (1.74346 Å; 7.1109 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.729	I	F'	-4.405	-4.413	-4.422	-4.430	-4.438	-4.447	-4.455	-4.464	-4.473	-4.481
	I	F"	3.886	3.887	3.887	3.888	3.888	3.889	3.889	3.890	3.890	3.890
1.730	I	F'	-4.490	-4.499	-4.508	-4.517	-4.526	-4.535	-4.544	-4.554	-4.563	-4.573
	I	F"	3.891	3.891	3.892	3.892	3.893	3.893	3.894	3.894	3.895	3.895
1.731	I	F'	-4.582	-4.592	-4.601	-4.611	-4.621	-4.631	-4.641	-4.651	-4.661	-4.671
	I	F"	3.896	3.896	3.896	3.897	3.897	3.898	3.898	3.899	3.899	3.900
1.732	I	F'	-4.681	-4.692	-4.702	-4.713	-4.723	-4.734	-4.745	-4.756	-4.767	-4.778
	I	F"	3.900	3.901	3.901	3.901	3.902	3.902	3.903	3.903	3.904	3.904
1.733	I	F'	-4.790	-4.801	-4.813	-4.824	-4.836	-4.848	-4.860	-4.872	-4.884	-4.896
	I	F"	3.905	3.905	3.906	3.906	3.906	3.907	3.907	3.908	3.908	3.909
1.734	I	F'	-4.909	-4.921	-4.934	-4.947	-4.960	-4.973	-4.986	-5.000	-5.014	-5.027
	I	F"	3.909	3.910	3.910	3.911	3.911	3.912	3.912	3.912	3.913	3.913
1.735	I	F'	-5.041	-5.055	-5.070	-5.084	-5.099	-5.114	-5.129	-5.144	-5.159	-5.175
	I	F"	3.914	3.914	3.915	3.915	3.916	3.916	3.917	3.917	3.918	3.918
1.736	I	F'	-5.191	-5.207	-5.223	-5.239	-5.256	-5.273	-5.290	-5.308	-5.325	-5.343
	I	F"	3.918	3.919	3.919	3.920	3.920	3.921	3.921	3.922	3.922	3.923
1.737	I	F'	-5.362	-5.380	-5.399	-5.418	-5.438	-5.458	-5.478	-5.498	-5.519	-5.540
	I	F"	3.923	3.924	3.924	3.924	3.925	3.925	3.926	3.926	3.927	3.927
1.738	I	F'	-5.562	-5.584	-5.607	-5.630	-5.653	-5.677	-5.702	-5.727	-5.752	-5.778
	I	F"	3.928	3.928	3.929	3.929	3.930	3.930	3.930	3.931	3.931	3.932
1.739	I	F'	-5.805	-5.832	-5.860	-5.889	-5.918	-5.948	-5.979	-6.011	-6.044	-6.078
	I	F"	3.932	3.933	3.933	3.934	3.934	3.935	3.935	3.936	3.936	3.936
1.740	I	F'	-6.112	-6.148	-6.185	-6.223	-6.263	-6.304	-6.346	-6.391	-6.437	-6.484
	I	F"	3.937	3.937	3.938	3.938	3.939	3.939	3.940	3.940	3.941	3.941
1.741	I	F'	-6.534	-6.587	-6.641	-6.699	-6.760	-6.824	-6.892	-6.964	-7.041	-7.124
	I	F"	3.942	3.942	3.942	3.943	3.943	3.944	3.944	3.945	3.945	3.946
1.742	I	F'	-7.214	-7.311	-7.417	-7.535	-7.666	-7.815	-7.987	-8.190	-8.438	-8.758
	I	F"	3.946	3.947	3.947	3.948	3.948	3.949	3.949	3.949	3.950	3.950
1.743	I	F'	-9.209	-9.978	-17.442	-9.965	-9.198	-8.751	-8.433	-8.187	-7.986	-7.816
	I	F"	3.951	3.951	3.952	0.468	0.468	0.468	0.468	0.468	0.468	0.468
1.744	I	F'	-7.669	-7.540	-7.424	-7.319	-7.224	-7.136	-7.054	-6.979	-6.908	-6.842
	I	F"	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.469	0.469
1.745	I	F'	-6.779	-6.720	-6.664	-6.610	-6.559	-6.511	-6.464	-6.420	-6.377	-6.336
	I	F"	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
1.746	I	F'	-6.296	-6.258	-6.221	-6.185	-6.151	-6.117	-6.085	-6.053	-6.023	-5.993
	I	F"	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.470
1.747	I	F'	-5.964	-5.936	-5.909	-5.882	-5.856	-5.830	-5.805	-5.781	-5.757	-5.734
	I	F"	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470
1.748	I	F'	-5.711	-5.689	-5.667	-5.646	-5.625	-5.604	-5.584	-5.564	-5.545	-5.526
	I	F"	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.471
1.749	I	F'	-5.507	-5.489	-5.471	-5.453	-5.435	-5.418	-5.401	-5.385	-5.368	-5.352
	I	F"	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471
1.750	I	F'	-5.336	-5.321	-5.305	-5.290	-5.275	-5.260	-5.246	-5.231	-5.217	-5.203
	I	F"	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471
1.751	I	F'	-5.190	-5.176	-5.163	-5.149	-5.136	-5.123	-5.111	-5.098	-5.085	-5.073
	I	F"	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
1.752	I	F'	-5.061	-5.049	-5.037	-5.025	-5.014	-5.002	-4.991	-4.980	-4.969	-4.958
	I	F"	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
1.753	I	F'	-4.947	-4.936	-4.925	-4.915	-4.904	-4.894	-4.884	-4.874	-4.864	-4.854
	I	F"	0.472	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473
1.754	I	F'	-4.844	-4.834	-4.825	-4.815	-4.806	-4.796	-4.787	-4.778	-4.769	-4.759
	I	F"	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473
1.755	I	F'	-4.751	-4.742	-4.733	-4.724	-4.715	-4.707	-4.698	-4.690	-4.682	-4.673
	I	F"	0.473	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474
1.756	I	F'	-4.665	-4.657	-4.649	-4.641	-4.633	-4.625	-4.617	-4.609	-4.602	-4.594
	I	F"	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474

ATOMIC SYMBOL = CO ATOMIC NUMBER = 27 K ABSORPTION EDGE (1.60815 Å; 7.7093 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.594	I	F'	-4.282	-4.290	-4.298	-4.307	-4.315	-4.323	-4.332	-4.340	-4.349	-4.358
	I	F"	3.867	3.867	3.868	3.868	3.869	3.869	3.870	3.870	3.871	3.871
1.595	I	F'	-4.367	-4.375	-4.384	-4.393	-4.402	-4.411	-4.420	-4.430	-4.439	-4.448
	I	F"	3.872	3.872	3.873	3.873	3.874	3.874	3.875	3.875	3.876	3.876
1.596	I	F'	-4.458	-4.467	-4.477	-4.487	-4.496	-4.506	-4.516	-4.526	-4.536	-4.546
	I	F"	3.877	3.877	3.878	3.878	3.879	3.879	3.880	3.880	3.881	3.881
1.597	I	F'	-4.557	-4.567	-4.577	-4.588	-4.599	-4.609	-4.620	-4.631	-4.642	-4.653
	I	F"	3.882	3.882	3.883	3.883	3.884	3.884	3.885	3.885	3.886	3.887
1.598	I	F'	-4.664	-4.676	-4.687	-4.699	-4.710	-4.722	-4.734	-4.746	-4.758	-4.771
	I	F"	3.887	3.888	3.888	3.889	3.889	3.890	3.890	3.891	3.891	3.892
1.599	I	F'	-4.783	-4.795	-4.808	-4.821	-4.834	-4.847	-4.860	-4.874	-4.887	-4.901
	I	F"	3.892	3.893	3.893	3.894	3.894	3.895	3.895	3.896	3.896	3.897
1.600	I	F'	-4.915	-4.929	-4.943	-4.957	-4.972	-4.987	-5.001	-5.017	-5.032	-5.047
	I	F"	3.897	3.898	3.898	3.899	3.899	3.900	3.900	3.901	3.901	3.902
1.601	I	F'	-5.063	-5.079	-5.095	-5.111	-5.128	-5.145	-5.162	-5.179	-5.197	-5.215
	I	F"	3.902	3.903	3.903	3.904	3.904	3.905	3.905	3.906	3.906	3.907
1.602	I	F'	-5.233	-5.251	-5.270	-5.289	-5.309	-5.328	-5.348	-5.369	-5.389	-5.411
	I	F"	3.908	3.908	3.909	3.909	3.910	3.910	3.911	3.911	3.912	3.912
1.603	I	F'	-5.432	-5.454	-5.476	-5.499	-5.522	-5.546	-5.570	-5.595	-5.620	-5.646
	I	F"	3.913	3.913	3.914	3.914	3.915	3.915	3.916	3.916	3.917	3.917
1.604	I	F'	-5.673	-5.700	-5.727	-5.756	-5.785	-5.815	-5.845	-5.877	-5.909	-5.943
	I	F"	3.918	3.918	3.919	3.919	3.920	3.920	3.921	3.921	3.922	3.923
1.605	I	F'	-5.977	-6.013	-6.049	-6.087	-6.126	-6.166	-6.208	-6.252	-6.297	-6.345
	I	F"	3.923	3.924	3.924	3.925	3.925	3.926	3.926	3.927	3.927	3.928
1.606	I	F'	-6.394	-6.445	-6.499	-6.556	-6.616	-6.679	-6.745	-6.816	-6.892	-6.973
	I	F"	3.928	3.929	3.929	3.930	3.930	3.931	3.931	3.932	3.932	3.933
1.607	I	F'	-7.060	-7.155	-7.259	-7.373	-7.500	-7.644	-7.809	-8.002	-8.237	-8.535
	I	F"	3.933	3.934	3.934	3.935	3.936	3.936	3.937	3.937	3.938	3.938
1.608	I	F'	-8.943	-9.596	-11.404	-10.123	-9.199	-8.705	-8.365	-8.106	-7.897	-7.722
	I	F"	3.939	3.939	3.940	0.473	0.473	0.473	0.473	0.473	0.473	0.473
1.609	I	F'	-7.571	-7.438	-7.320	-7.213	-7.116	-7.027	-6.945	-6.868	-6.797	-6.730
	I	F"	0.473	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474
1.610	I	F'	-6.667	-6.607	-6.550	-6.497	-6.446	-6.397	-6.350	-6.305	-6.262	-6.221
	I	F"	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.475
1.611	I	F'	-6.181	-6.143	-6.106	-6.070	-6.036	-6.002	-5.970	-5.938	-5.908	-5.878
	I	F"	0.475	0.475	0.475	0.475	0.475	0.475	0.475	0.475	0.475	0.475
1.612	I	F'	-5.849	-5.821	-5.793	-5.767	-5.740	-5.715	-5.690	-5.666	-5.642	-5.619
	I	F"	0.475	0.475	0.475	0.475	0.475	0.475	0.475	0.475	0.476	0.476
1.613	I	F'	-5.596	-5.574	-5.552	-5.531	-5.510	-5.489	-5.469	-5.450	-5.430	-5.411
	I	F"	0.476	0.476	0.476	0.476	0.476	0.476	0.476	0.476	0.476	0.476
1.614	I	F'	-5.393	-5.374	-5.356	-5.339	-5.321	-5.304	-5.287	-5.271	-5.254	-5.238
	I	F"	0.476	0.476	0.476	0.476	0.476	0.476	0.476	0.477	0.477	0.477
1.615	I	F'	-5.222	-5.207	-5.191	-5.176	-5.161	-5.147	-5.132	-5.118	-5.104	-5.090
	I	F"	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477
1.616	I	F'	-5.076	-5.063	-5.049	-5.036	-5.023	-5.010	-4.997	-4.985	-4.973	-4.960
	I	F"	0.477	0.477	0.477	0.477	0.477	0.477	0.478	0.478	0.478	0.478
1.617	I	F'	-4.948	-4.936	-4.924	-4.913	-4.901	-4.890	-4.878	-4.867	-4.856	-4.845
	I	F"	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
1.618	I	F'	-4.834	-4.824	-4.813	-4.803	-4.792	-4.782	-4.772	-4.762	-4.752	-4.742
	I	F"	0.478	0.478	0.478	0.478	0.478	0.479	0.479	0.479	0.479	0.479
1.619	I	F'	-4.732	-4.723	-4.713	-4.704	-4.694	-4.685	-4.676	-4.666	-4.657	-4.648
	I	F"	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
1.620	I	F'	-4.639	-4.631	-4.622	-4.613	-4.605	-4.596	-4.588	-4.579	-4.571	-4.563
	I	F"	0.479	0.479	0.479	0.480	0.480	0.480	0.480	0.480	0.480	0.480
1.621	I	F'	-4.555	-4.546	-4.538	-4.530	-4.523	-4.515	-4.507	-4.499	-4.491	-4.484
	I	F"	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480

ATOMIC SYMBOL = NI ATOMIC NUMBER = 28 K ABSORPTION EDGE (1.48807 Å; 8.3314 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.474	I	F'	-4.207	-4.215	-4.224	-4.232	-4.241	-4.250	-4.258	-4.267	-4.276	-4.285
	I	F"	3.839	3.839	3.840	3.840	3.841	3.842	3.842	3.843	3.843	3.844
1.475	I	F'	-4.294	-4.303	-4.312	-4.321	-4.330	-4.339	-4.349	-4.358	-4.368	-4.377
	I	F"	3.845	3.845	3.846	3.846	3.847	3.847	3.848	3.849	3.849	3.850
1.476	I	F'	-4.387	-4.397	-4.407	-4.417	-4.427	-4.437	-4.447	-4.457	-4.468	-4.478
	I	F"	3.850	3.851	3.852	3.852	3.853	3.853	3.854	3.855	3.855	3.856
1.477	I	F'	-4.489	-4.499	-4.510	-4.521	-4.532	-4.543	-4.554	-4.565	-4.577	-4.588
	I	F"	3.856	3.857	3.857	3.858	3.859	3.859	3.860	3.860	3.861	3.862
1.478	I	F'	-4.600	-4.612	-4.623	-4.635	-4.647	-4.660	-4.672	-4.684	-4.697	-4.710
	I	F"	3.862	3.863	3.863	3.864	3.865	3.865	3.866	3.866	3.867	3.868
1.479	I	F'	-4.723	-4.736	-4.749	-4.762	-4.776	-4.789	-4.803	-4.817	-4.831	-4.845
	I	F"	3.868	3.869	3.869	3.870	3.871	3.871	3.872	3.872	3.873	3.874
1.480	I	F'	-4.860	-4.874	-4.889	-4.904	-4.920	-4.935	-4.951	-4.966	-4.983	-4.999
	I	F"	3.874	3.875	3.875	3.876	3.877	3.877	3.878	3.878	3.879	3.880
1.481	I	F'	-5.015	-5.032	-5.049	-5.066	-5.084	-5.102	-5.120	-5.138	-5.157	-5.176
	I	F"	3.880	3.881	3.881	3.882	3.883	3.883	3.884	3.884	3.885	3.886
1.482	I	F'	-5.195	-5.215	-5.235	-5.255	-5.276	-5.297	-5.318	-5.340	-5.362	-5.385
	I	F"	3.886	3.887	3.887	3.888	3.889	3.889	3.890	3.891	3.891	3.892
1.483	I	F'	-5.408	-5.432	-5.456	-5.481	-5.506	-5.532	-5.558	-5.585	-5.613	-5.641
	I	F"	3.892	3.893	3.894	3.894	3.895	3.895	3.896	3.897	3.897	3.898
1.484	I	F'	-5.670	-5.700	-5.731	-5.762	-5.794	-5.828	-5.862	-5.897	-5.934	-5.972
	I	F"	3.898	3.899	3.900	3.900	3.901	3.902	3.902	3.903	3.903	3.904
1.485	I	F'	-6.011	-6.051	-6.093	-6.137	-6.182	-6.229	-6.278	-6.330	-6.384	-6.440
	I	F"	3.905	3.905	3.906	3.907	3.907	3.908	3.908	3.909	3.910	3.910
1.486	I	F'	-6.500	-6.563	-6.630	-6.701	-6.777	-6.858	-6.946	-7.041	-7.146	-7.261
	I	F"	3.911	3.911	3.912	3.913	3.913	3.914	3.915	3.915	3.916	3.916
1.487	I	F'	-7.389	-7.534	-7.701	-7.898	-8.137	-8.443	-8.868	-9.569	-12.025	-9.815
	I	F"	3.917	3.918	3.918	3.919	3.920	3.920	3.921	3.921	3.922	0.478
1.488	I	F'	-8.987	-8.522	-8.197	-7.947	-7.745	-7.574	-7.426	-7.296	-7.181	-7.076
	I	F"	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.479	0.479	0.479
1.489	I	F'	-6.981	-6.893	-6.812	-6.737	-6.666	-6.600	-6.538	-6.479	-6.424	-6.371
	I	F"	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
1.490	I	F'	-6.320	-6.272	-6.226	-6.182	-6.139	-6.099	-6.059	-6.022	-5.985	-5.950
	I	F"	0.479	0.479	0.479	0.479	0.480	0.480	0.480	0.480	0.480	0.480
1.491	I	F'	-5.915	-5.882	-5.850	-5.819	-5.789	-5.759	-5.731	-5.703	-5.676	-5.649
	I	F"	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
1.492	I	F'	-5.624	-5.598	-5.574	-5.550	-5.526	-5.503	-5.481	-5.459	-5.437	-5.416
	I	F"	0.480	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481
1.493	I	F'	-5.396	-5.375	-5.355	-5.336	-5.317	-5.298	-5.279	-5.261	-5.244	-5.226
	I	F"	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.482	0.482
1.494	I	F'	-5.209	-5.192	-5.175	-5.159	-5.143	-5.127	-5.111	-5.096	-5.080	-5.065
	I	F"	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
1.495	I	F'	-5.051	-5.036	-5.022	-5.008	-4.994	-4.980	-4.966	-4.953	-4.940	-4.927
	I	F"	0.482	0.482	0.482	0.482	0.482	0.483	0.483	0.483	0.483	0.483
1.496	I	F'	-4.914	-4.901	-4.889	-4.876	-4.864	-4.852	-4.840	-4.828	-4.816	-4.805
	I	F"	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483
1.497	I	F'	-4.793	-4.782	-4.771	-4.760	-4.749	-4.738	-4.727	-4.717	-4.706	-4.696
	I	F"	0.483	0.483	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484
1.498	I	F'	-4.686	-4.675	-4.665	-4.655	-4.646	-4.636	-4.626	-4.617	-4.607	-4.598
	I	F"	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.485
1.499	I	F'	-4.588	-4.579	-4.570	-4.561	-4.552	-4.543	-4.534	-4.526	-4.517	-4.508
	I	F"	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485
1.500	I	F'	-4.500	-4.491	-4.483	-4.475	-4.467	-4.458	-4.450	-4.442	-4.434	-4.427
	I	F"	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.486	0.486	0.486
1.501	I	F'	-4.419	-4.411	-4.403	-4.396	-4.388	-4.380	-4.373	-4.366	-4.358	-4.351
	I	F"	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486

ATOMIC SYMBOL = CU ATOMIC NUMBER = 29 K ABSORPTION EDGE (1.38059 Å; 8.9800 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.367	I	F'	-4.101	-4.110	-4.118	-4.127	-4.135	-4.144	-4.153	-4.161	-4.170	-4.179
	I	F"	3.826	3.827	3.827	3.828	3.828	3.829	3.829	3.830	3.830	3.831
1.368	I	F'	-4.188	-4.197	-4.206	-4.216	-4.225	-4.234	-4.244	-4.253	-4.263	-4.272
	I	F"	3.832	3.832	3.833	3.833	3.834	3.834	3.835	3.835	3.836	3.836
1.369	I	F'	-4.282	-4.292	-4.302	-4.312	-4.322	-4.332	-4.342	-4.353	-4.363	-4.373
	I	F"	3.837	3.838	3.838	3.839	3.839	3.840	3.840	3.841	3.841	3.842
1.370	I	F'	-4.384	-4.395	-4.406	-4.416	-4.427	-4.439	-4.450	-4.461	-4.472	-4.484
	I	F"	3.843	3.843	3.844	3.844	3.845	3.845	3.846	3.846	3.847	3.848
1.371	I	F'	-4.496	-4.507	-4.519	-4.531	-4.543	-4.556	-4.568	-4.581	-4.593	-4.606
	I	F"	3.848	3.849	3.849	3.850	3.850	3.851	3.851	3.852	3.853	3.853
1.372	I	F'	-4.619	-4.632	-4.645	-4.659	-4.672	-4.686	-4.700	-4.714	-4.728	-4.742
	I	F"	3.854	3.854	3.855	3.855	3.856	3.856	3.857	3.858	3.858	3.859
1.373	I	F'	-4.757	-4.771	-4.786	-4.801	-4.817	-4.832	-4.848	-4.864	-4.880	-4.896
	I	F"	3.859	3.860	3.860	3.861	3.861	3.862	3.863	3.863	3.864	3.864
1.374	I	F'	-4.913	-4.930	-4.947	-4.964	-4.982	-5.000	-5.018	-5.036	-5.055	-5.074
	I	F"	3.865	3.865	3.866	3.867	3.867	3.868	3.868	3.869	3.869	3.870
1.375	I	F'	-5.093	-5.113	-5.133	-5.154	-5.174	-5.196	-5.217	-5.239	-5.261	-5.284
	I	F"	3.870	3.871	3.872	3.872	3.873	3.873	3.874	3.874	3.875	3.875
1.376	I	F'	-5.308	-5.331	-5.356	-5.381	-5.406	-5.432	-5.459	-5.486	-5.514	-5.542
	I	F"	3.876	3.877	3.877	3.878	3.878	3.879	3.879	3.880	3.881	3.881
1.377	I	F'	-5.572	-5.602	-5.633	-5.664	-5.697	-5.731	-5.765	-5.801	-5.838	-5.877
	I	F"	3.882	3.882	3.883	3.883	3.884	3.884	3.885	3.886	3.886	3.887
1.378	I	F'	-5.916	-5.957	-6.000	-6.044	-6.090	-6.138	-6.188	-6.241	-6.296	-6.354
	I	F"	3.887	3.888	3.888	3.889	3.890	3.890	3.891	3.891	3.892	3.892
1.379	I	F'	-6.415	-6.480	-6.549	-6.622	-6.701	-6.785	-6.877	-6.976	-7.086	-7.208
	I	F"	3.893	3.893	3.894	3.895	3.895	3.896	3.896	3.897	3.897	3.898
1.380	I	F'	-7.344	-7.500	-7.683	-7.901	-8.174	-8.538	-9.088	-10.249	-10.344	-9.114
	I	F"	3.899	3.899	3.900	3.900	3.901	3.901	3.902	3.902	0.483	0.483
1.381	I	F'	-8.553	-8.185	-7.911	-7.693	-7.512	-7.357	-7.221	-7.101	-6.993	-6.895
	I	F"	0.483	0.483	0.483	0.483	0.483	0.483	0.484	0.484	0.484	0.484
1.382	I	F'	-6.805	-6.722	-6.645	-6.573	-6.506	-6.443	-6.383	-6.327	-6.273	-6.222
	I	F"	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484
1.383	I	F'	-6.173	-6.127	-6.082	-6.039	-5.998	-5.958	-5.920	-5.884	-5.848	-5.814
	I	F"	0.484	0.484	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485
1.384	I	F'	-5.780	-5.748	-5.717	-5.686	-5.657	-5.628	-5.600	-5.573	-5.546	-5.521
	I	F"	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.486	0.486	0.486
1.385	I	F'	-5.495	-5.471	-5.447	-5.423	-5.400	-5.378	-5.356	-5.334	-5.313	-5.292
	I	F"	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486
1.386	I	F'	-5.272	-5.252	-5.233	-5.214	-5.195	-5.176	-5.158	-5.140	-5.123	-5.106
	I	F"	0.486	0.486	0.486	0.487	0.487	0.487	0.487	0.487	0.487	0.487
1.387	I	F'	-5.089	-5.072	-5.056	-5.040	-5.024	-5.008	-4.993	-4.978	-4.963	-4.948
	I	F"	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.488	0.488
1.388	I	F'	-4.933	-4.919	-4.905	-4.891	-4.877	-4.864	-4.851	-4.837	-4.824	-4.812
	I	F"	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
1.389	I	F'	-4.799	-4.786	-4.774	-4.762	-4.750	-4.738	-4.726	-4.714	-4.703	-4.691
	I	F"	0.488	0.488	0.488	0.489	0.489	0.489	0.489	0.489	0.489	0.489
1.390	I	F'	-4.680	-4.669	-4.658	-4.647	-4.636	-4.626	-4.615	-4.605	-4.594	-4.584
	I	F"	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.490
1.391	I	F'	-4.574	-4.564	-4.554	-4.544	-4.535	-4.525	-4.516	-4.506	-4.497	-4.488
	I	F"	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490
1.392	I	F'	-4.478	-4.469	-4.460	-4.451	-4.443	-4.434	-4.425	-4.417	-4.408	-4.400
	I	F"	0.490	0.490	0.490	0.490	0.491	0.491	0.491	0.491	0.491	0.491
1.393	I	F'	-4.391	-4.383	-4.375	-4.366	-4.358	-4.350	-4.342	-4.334	-4.327	-4.319
	I	F"	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491
1.394	I	F'	-4.311	-4.303	-4.296	-4.288	-4.281	-4.273	-4.266	-4.259	-4.251	-4.244
	I	F"	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

ATOMIC SYMBOL = ZN ATOMIC NUMBER = 30 K ABSORPTION EDGE (1.28340 Å; 9.6600 KEV)

Å			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.270	I	F'	-4.016	-4.024	-4.033	-4.042	-4.050	-4.059	-4.068	-4.077	-4.086	-4.095
	I	F"	3.813	3.814	3.814	3.815	3.816	3.816	3.817	3.817	3.818	3.819
1.271	I	F'	-4.104	-4.113	-4.123	-4.132	-4.141	-4.151	-4.160	-4.170	-4.180	-4.189
	I	F"	3.819	3.820	3.820	3.821	3.822	3.822	3.823	3.823	3.824	3.825
1.272	I	F'	-4.199	-4.209	-4.219	-4.229	-4.240	-4.250	-4.260	-4.271	-4.281	-4.292
	I	F"	3.825	3.826	3.827	3.827	3.828	3.828	3.829	3.830	3.830	3.831
1.273	I	F'	-4.303	-4.314	-4.325	-4.336	-4.347	-4.358	-4.369	-4.381	-4.393	-4.404
	I	F"	3.831	3.832	3.833	3.833	3.834	3.835	3.835	3.836	3.836	3.837
1.274	I	F'	-4.416	-4.428	-4.440	-4.452	-4.465	-4.477	-4.490	-4.503	-4.515	-4.528
	I	F"	3.838	3.838	3.839	3.839	3.840	3.841	3.841	3.842	3.843	3.843
1.275	I	F'	-4.542	-4.555	-4.568	-4.582	-4.596	-4.610	-4.624	-4.638	-4.653	-4.667
	I	F"	3.844	3.844	3.845	3.846	3.846	3.847	3.848	3.848	3.849	3.849
1.276	I	F'	-4.682	-4.697	-4.712	-4.728	-4.743	-4.759	-4.775	-4.792	-4.808	-4.825
	I	F"	3.850	3.851	3.851	3.852	3.852	3.853	3.854	3.854	3.855	3.856
1.277	I	F'	-4.842	-4.859	-4.877	-4.895	-4.913	-4.931	-4.950	-4.969	-4.988	-5.007
	I	F"	3.856	3.857	3.857	3.858	3.859	3.859	3.860	3.861	3.861	3.862
1.278	I	F'	-5.027	-5.048	-5.068	-5.089	-5.111	-5.133	-5.155	-5.178	-5.201	-5.224
	I	F"	3.862	3.863	3.864	3.864	3.865	3.865	3.866	3.867	3.867	3.868
1.279	I	F'	-5.248	-5.273	-5.298	-5.324	-5.350	-5.377	-5.405	-5.433	-5.462	-5.492
	I	F"	3.869	3.869	3.870	3.870	3.871	3.872	3.872	3.873	3.874	3.874
1.280	I	F'	-5.523	-5.554	-5.587	-5.620	-5.654	-5.690	-5.726	-5.764	-5.803	-5.844
	I	F"	3.875	3.875	3.876	3.877	3.877	3.878	3.879	3.879	3.880	3.880
1.281	I	F'	-5.886	-5.929	-5.975	-6.022	-6.072	-6.123	-6.178	-6.234	-6.295	-6.358
	I	F"	3.881	3.882	3.882	3.883	3.884	3.884	3.885	3.885	3.886	3.887
1.282	I	F'	-6.425	-6.497	-6.574	-6.656	-6.745	-6.841	-6.947	-7.064	-7.196	-7.344
	I	F"	3.887	3.888	3.889	3.889	3.890	3.890	3.891	3.892	3.892	3.893
1.283	I	F'	-7.517	-7.721	-7.973	-8.300	-8.769	-9.611	-11.519	-9.281	-8.603	-8.190
	I	F"	3.894	3.894	3.895	3.895	3.896	3.897	0.486	0.486	0.487	0.487
1.284	I	F'	-7.892	-7.659	-7.467	-7.305	-7.164	-7.039	-6.928	-6.827	-6.735	-6.650
	I	F"	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
1.285	I	F'	-6.571	-6.498	-6.430	-6.365	-6.305	-6.248	-6.193	-6.142	-6.092	-6.045
	I	F"	0.487	0.487	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
1.286	I	F'	-6.000	-5.957	-5.916	-5.876	-5.837	-5.800	-5.764	-5.730	-5.696	-5.664
	I	F"	0.488	0.488	0.488	0.488	0.488	0.488	0.489	0.489	0.489	0.489
1.287	I	F'	-5.632	-5.602	-5.572	-5.543	-5.515	-5.488	-5.461	-5.435	-5.410	-5.385
	I	F"	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489
1.288	I	F'	-5.361	-5.338	-5.315	-5.292	-5.270	-5.248	-5.227	-5.207	-5.186	-5.166
	I	F"	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490
1.289	I	F'	-5.147	-5.128	-5.109	-5.090	-5.072	-5.054	-5.037	-5.020	-5.003	-4.986
	I	F"	0.490	0.490	0.490	0.490	0.490	0.491	0.491	0.491	0.491	0.491
1.290	I	F'	-4.970	-4.954	-4.938	-4.922	-4.907	-4.892	-4.877	-4.862	-4.848	-4.833
	I	F"	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.492
1.291	I	F'	-4.819	-4.805	-4.792	-4.778	-4.765	-4.752	-4.739	-4.726	-4.713	-4.701
	I	F"	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492
1.292	I	F'	-4.688	-4.676	-4.664	-4.652	-4.641	-4.629	-4.617	-4.606	-4.595	-4.584
	I	F"	0.492	0.492	0.492	0.493	0.493	0.493	0.493	0.493	0.493	0.493
1.293	I	F'	-4.573	-4.562	-4.551	-4.541	-4.530	-4.520	-4.509	-4.499	-4.489	-4.479
	I	F"	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.494	0.494
1.294	I	F'	-4.469	-4.460	-4.450	-4.440	-4.431	-4.421	-4.412	-4.403	-4.394	-4.385
	I	F"	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494
1.295	I	F'	-4.376	-4.367	-4.358	-4.349	-4.341	-4.332	-4.324	-4.315	-4.307	-4.299
	I	F"	0.494	0.494	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495
1.296	I	F'	-4.290	-4.282	-4.274	-4.266	-4.258	-4.250	-4.243	-4.235	-4.227	-4.220
	I	F"	0.495	0.495	0.495	0.495	0.495	0.495	0.496	0.496	0.496	0.496
1.297	I	F'	-4.212	-4.205	-4.197	-4.190	-4.182	-4.175	-4.168	-4.161	-4.154	-4.147
	I	F"	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496

ATOMIC SYMBOL = GA ATOMIC NUMBER = 31 K ABSORPTION EDGE (1.19580 Å; 10.3677 KEV)

Å			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.182	I	F'	-3.890	-3.898	-3.906	-3.915	-3.924	-3.932	-3.941	-3.950	-3.958	-3.967
	I	F"	3.797	3.798	3.799	3.799	3.800	3.801	3.801	3.802	3.803	3.803
1.183	I	F'	-3.976	-3.985	-3.994	-4.003	-4.013	-4.022	-4.031	-4.041	-4.050	-4.060
	I	F"	3.804	3.805	3.805	3.806	3.807	3.807	3.808	3.809	3.809	3.810
1.184	I	F'	-4.069	-4.079	-4.089	-4.099	-4.109	-4.119	-4.129	-4.139	-4.150	-4.160
	I	F"	3.811	3.811	3.812	3.813	3.814	3.814	3.815	3.816	3.816	3.817
1.185	I	F'	-4.171	-4.181	-4.192	-4.203	-4.214	-4.225	-4.236	-4.247	-4.258	-4.270
	I	F"	3.818	3.818	3.819	3.820	3.820	3.821	3.822	3.822	3.823	3.824
1.186	I	F'	-4.281	-4.293	-4.304	-4.316	-4.328	-4.340	-4.353	-4.365	-4.378	-4.390
	I	F"	3.824	3.825	3.826	3.827	3.827	3.828	3.829	3.829	3.830	3.831
1.187	I	F'	-4.403	-4.416	-4.429	-4.442	-4.456	-4.469	-4.483	-4.497	-4.511	-4.525
	I	F"	3.831	3.832	3.833	3.833	3.834	3.835	3.835	3.836	3.837	3.837
1.188	I	F'	-4.539	-4.554	-4.568	-4.583	-4.598	-4.614	-4.629	-4.645	-4.661	-4.677
	I	F"	3.838	3.839	3.840	3.840	3.841	3.842	3.842	3.843	3.844	3.844
1.189	I	F'	-4.693	-4.710	-4.727	-4.744	-4.761	-4.778	-4.796	-4.814	-4.833	-4.852
	I	F"	3.845	3.846	3.846	3.847	3.848	3.849	3.849	3.850	3.851	3.851
1.190	I	F'	-4.871	-4.890	-4.910	-4.930	-4.950	-4.971	-4.992	-5.013	-5.035	-5.058
	I	F"	3.852	3.853	3.853	3.854	3.855	3.855	3.856	3.857	3.857	3.858
1.191	I	F'	-5.081	-5.104	-5.128	-5.152	-5.177	-5.202	-5.228	-5.254	-5.281	-5.309
	I	F"	3.859	3.860	3.860	3.861	3.862	3.862	3.863	3.864	3.864	3.865
1.192	I	F'	-5.338	-5.367	-5.397	-5.428	-5.459	-5.492	-5.525	-5.560	-5.596	-5.632
	I	F"	3.866	3.866	3.867	3.868	3.869	3.869	3.870	3.871	3.871	3.872
1.193	I	F'	-5.670	-5.710	-5.751	-5.793	-5.837	-5.883	-5.930	-5.980	-6.032	-6.087
	I	F"	3.873	3.873	3.874	3.875	3.876	3.876	3.877	3.878	3.878	3.879
1.194	I	F'	-6.145	-6.205	-6.270	-6.338	-6.410	-6.488	-6.572	-6.662	-6.760	-6.868
	I	F"	3.880	3.880	3.881	3.882	3.883	3.883	3.884	3.885	3.885	3.886
1.195	I	F'	-6.988	-7.122	-7.276	-7.454	-7.666	-7.931	-8.280	-8.798	-9.821	-10.415
	I	F"	3.887	3.887	3.888	3.889	3.889	3.890	3.891	3.892	3.892	0.490
1.196	I	F'	-8.986	-8.393	-8.013	-7.732	-7.510	-7.327	-7.170	-7.033	-6.912	-6.804
	I	F"	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490
1.197	I	F'	-6.705	-6.615	-6.532	-6.455	-6.383	-6.316	-6.252	-6.193	-6.136	-6.083
	I	F"	0.490	0.490	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491
1.198	I	F'	-6.032	-5.983	-5.937	-5.892	-5.850	-5.809	-5.769	-5.731	-5.695	-5.659
	I	F"	0.491	0.491	0.491	0.491	0.491	0.492	0.492	0.492	0.492	0.492
1.199	I	F'	-5.625	-5.592	-5.560	-5.529	-5.498	-5.469	-5.441	-5.413	-5.386	-5.359
	I	F"	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.493	0.493
1.200	I	F'	-5.334	-5.309	-5.284	-5.260	-5.237	-5.214	-5.192	-5.170	-5.149	-5.128
	I	F"	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493
1.201	I	F'	-5.107	-5.087	-5.067	-5.048	-5.029	-5.010	-4.992	-4.974	-4.956	-4.939
	I	F"	0.493	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494
1.202	I	F'	-4.922	-4.905	-4.889	-4.873	-4.857	-4.841	-4.825	-4.810	-4.795	-4.780
	I	F"	0.494	0.494	0.494	0.494	0.494	0.495	0.495	0.495	0.495	0.495
1.203	I	F'	-4.766	-4.751	-4.737	-4.723	-4.710	-4.696	-4.683	-4.669	-4.656	-4.643
	I	F"	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.496	0.496
1.204	I	F'	-4.631	-4.618	-4.606	-4.594	-4.582	-4.570	-4.558	-4.546	-4.535	-4.523
	I	F"	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496
1.205	I	F'	-4.512	-4.501	-4.490	-4.479	-4.468	-4.458	-4.447	-4.437	-4.426	-4.416
	I	F"	0.496	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
1.206	I	F'	-4.406	-4.396	-4.386	-4.377	-4.367	-4.357	-4.348	-4.338	-4.329	-4.320
	I	F"	0.497	0.497	0.497	0.497	0.498	0.498	0.498	0.498	0.498	0.498
1.207	I	F'	-4.311	-4.302	-4.293	-4.284	-4.275	-4.266	-4.258	-4.249	-4.241	-4.232
	I	F"	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.499	0.499
1.208	I	F'	-4.224	-4.216	-4.207	-4.199	-4.191	-4.183	-4.175	-4.167	-4.160	-4.152
	I	F"	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499
1.209	I	F'	-4.144	-4.137	-4.129	-4.122	-4.114	-4.107	-4.099	-4.092	-4.085	-4.078
	I	F"	0.499	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500

ATOMIC SYMBOL = GE ATOMIC NUMBER = 32 K ABSORPTION EDGE (1.11658 Å; 11.1032 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.103	I	F'	-3.815	-3.823	-3.832	-3.841	-3.849	-3.858	-3.867	-3.876	-3.885	-3.894
	I	F"	3.780	3.780	3.781	3.782	3.783	3.783	3.784	3.785	3.785	3.786
1.104	I	F'	-3.903	-3.912	-3.921	-3.931	-3.940	-3.949	-3.959	-3.969	-3.978	-3.988
	I	F"	3.787	3.788	3.788	3.789	3.790	3.791	3.791	3.792	3.793	3.794
1.105	I	F'	-3.998	-4.008	-4.018	-4.028	-4.038	-4.048	-4.059	-4.069	-4.080	-4.091
	I	F"	3.794	3.795	3.796	3.797	3.797	3.798	3.799	3.799	3.800	3.801
1.106	I	F'	-4.101	-4.112	-4.123	-4.134	-4.145	-4.157	-4.168	-4.179	-4.191	-4.203
	I	F"	3.802	3.802	3.803	3.804	3.805	3.805	3.806	3.807	3.808	3.808
1.107	I	F'	-4.214	-4.226	-4.238	-4.251	-4.263	-4.275	-4.288	-4.301	-4.314	-4.327
	I	F"	3.809	3.810	3.811	3.811	3.812	3.813	3.814	3.814	3.815	3.816
1.108	I	F'	-4.340	-4.353	-4.366	-4.380	-4.394	-4.408	-4.422	-4.436	-4.451	-4.465
	I	F"	3.817	3.817	3.818	3.819	3.819	3.820	3.821	3.822	3.822	3.823
1.109	I	F'	-4.480	-4.495	-4.510	-4.526	-4.541	-4.557	-4.573	-4.589	-4.606	-4.622
	I	F"	3.824	3.825	3.825	3.826	3.827	3.828	3.828	3.829	3.830	3.831
1.110	I	F'	-4.639	-4.657	-4.674	-4.692	-4.710	-4.728	-4.747	-4.766	-4.785	-4.804
	I	F"	3.831	3.832	3.833	3.834	3.834	3.835	3.836	3.837	3.837	3.838
1.111	I	F'	-4.824	-4.844	-4.865	-4.886	-4.907	-4.929	-4.951	-4.974	-4.997	-5.020
	I	F"	3.839	3.840	3.840	3.841	3.842	3.843	3.843	3.844	3.845	3.846
1.112	I	F'	-5.045	-5.069	-5.094	-5.120	-5.146	-5.173	-5.200	-5.229	-5.258	-5.287
	I	F"	3.846	3.847	3.848	3.849	3.849	3.850	3.851	3.852	3.852	3.853
1.113	I	F'	-5.318	-5.349	-5.381	-5.414	-5.449	-5.484	-5.520	-5.558	-5.597	-5.637
	I	F"	3.854	3.855	3.855	3.856	3.857	3.858	3.858	3.859	3.860	3.861
1.114	I	F'	-5.679	-5.722	-5.767	-5.814	-5.863	-5.914	-5.968	-6.025	-6.084	-6.147
	I	F"	3.861	3.862	3.863	3.864	3.864	3.865	3.866	3.867	3.868	3.868
1.115	I	F'	-6.214	-6.285	-6.361	-6.442	-6.530	-6.626	-6.730	-6.846	-6.975	-7.122
	I	F"	3.869	3.870	3.871	3.871	3.872	3.873	3.874	3.874	3.875	3.876
1.116	I	F'	-7.291	-7.492	-7.738	-8.057	-8.509	-9.300	-12.002	-9.127	-8.421	-7.999
	I	F"	3.877	3.877	3.878	3.879	3.880	3.880	0.493	0.493	0.493	0.493
1.117	I	F'	-7.697	-7.462	-7.270	-7.107	-6.966	-6.841	-6.730	-6.629	-6.537	-6.453
	I	F"	0.493	0.493	0.493	0.494	0.494	0.494	0.494	0.494	0.494	0.494
1.118	I	F'	-6.374	-6.301	-6.233	-6.169	-6.109	-6.052	-5.998	-5.946	-5.898	-5.851
	I	F"	0.494	0.494	0.494	0.494	0.494	0.494	0.495	0.495	0.495	0.495
1.119	I	F'	-5.806	-5.763	-5.722	-5.682	-5.644	-5.607	-5.572	-5.537	-5.504	-5.472
	I	F"	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.496	0.496
1.120	I	F'	-5.441	-5.411	-5.381	-5.353	-5.325	-5.298	-5.271	-5.246	-5.220	-5.196
	I	F"	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496
1.121	I	F'	-5.172	-5.149	-5.126	-5.104	-5.082	-5.060	-5.039	-5.019	-4.999	-4.979
	I	F"	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
1.122	I	F'	-4.960	-4.941	-4.922	-4.904	-4.886	-4.869	-4.851	-4.834	-4.817	-4.801
	I	F"	0.497	0.497	0.497	0.498	0.498	0.498	0.498	0.498	0.498	0.498
1.123	I	F'	-4.785	-4.769	-4.753	-4.738	-4.723	-4.708	-4.693	-4.678	-4.664	-4.650
	I	F"	0.498	0.498	0.498	0.498	0.498	0.499	0.499	0.499	0.499	0.499
1.124	I	F'	-4.636	-4.622	-4.609	-4.595	-4.582	-4.569	-4.557	-4.544	-4.531	-4.519
	I	F"	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.500	0.500	0.500
1.125	I	F'	-4.507	-4.495	-4.483	-4.471	-4.460	-4.448	-4.437	-4.426	-4.415	-4.404
	I	F"	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.501
1.126	I	F'	-4.393	-4.382	-4.372	-4.361	-4.351	-4.340	-4.330	-4.320	-4.310	-4.301
	I	F"	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501
1.127	I	F'	-4.291	-4.281	-4.272	-4.262	-4.253	-4.244	-4.234	-4.225	-4.216	-4.207
	I	F"	0.501	0.501	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
1.128	I	F'	-4.199	-4.190	-4.181	-4.173	-4.164	-4.156	-4.147	-4.139	-4.131	-4.123
	I	F"	0.502	0.502	0.502	0.502	0.503	0.503	0.503	0.503	0.503	0.503
1.129	I	F'	-4.115	-4.107	-4.099	-4.091	-4.083	-4.075	-4.068	-4.060	-4.052	-4.045
	I	F"	0.503	0.503	0.503	0.503	0.503	0.503	0.504	0.504	0.504	0.504
1.130	I	F'	-4.037	-4.030	-4.023	-4.016	-4.008	-4.001	-3.994	-3.987	-3.980	-3.973
	I	F"	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.505	0.505

ATOMIC SYMBOL = AS ATOMIC NUMBER = 33 K ABSORPTION EDGE (1.04500 Å; 11.8638 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
1.031	I	F'	-3.711	-3.719	-3.727	-3.736	-3.744	-3.753	-3.762	-3.771	-3.779	-3.788
	I	F"	3.755	3.756	3.756	3.757	3.758	3.759	3.760	3.760	3.761	3.762
1.032	I	F'	-3.797	-3.806	-3.815	-3.825	-3.834	-3.843	-3.853	-3.862	-3.872	-3.881
	I	F"	3.763	3.763	3.764	3.765	3.766	3.767	3.767	3.768	3.769	3.770
1.033	I	F'	-3.891	-3.901	-3.911	-3.921	-3.931	-3.941	-3.951	-3.961	-3.972	-3.982
	I	F"	3.770	3.771	3.772	3.773	3.774	3.774	3.775	3.776	3.777	3.778
1.034	I	F'	-3.993	-4.003	-4.014	-4.025	-4.036	-4.047	-4.058	-4.069	-4.081	-4.092
	I	F"	3.778	3.779	3.780	3.781	3.781	3.782	3.783	3.784	3.785	3.785
1.035	I	F'	-4.104	-4.115	-4.127	-4.139	-4.151	-4.164	-4.176	-4.188	-4.201	-4.214
	I	F"	3.786	3.787	3.788	3.789	3.789	3.790	3.791	3.792	3.792	3.793
1.036	I	F'	-4.227	-4.240	-4.253	-4.266	-4.280	-4.293	-4.307	-4.321	-4.335	-4.349
	I	F"	3.794	3.795	3.796	3.796	3.797	3.798	3.799	3.800	3.800	3.801
1.037	I	F'	-4.364	-4.378	-4.393	-4.408	-4.424	-4.439	-4.455	-4.470	-4.487	-4.503
	I	F"	3.802	3.803	3.803	3.804	3.805	3.806	3.807	3.807	3.808	3.809
1.038	I	F'	-4.519	-4.536	-4.553	-4.570	-4.588	-4.606	-4.624	-4.642	-4.661	-4.680
	I	F"	3.810	3.811	3.811	3.812	3.813	3.814	3.815	3.815	3.816	3.817
1.039	I	F'	-4.699	-4.719	-4.739	-4.759	-4.780	-4.801	-4.822	-4.844	-4.866	-4.889
	I	F"	3.818	3.819	3.819	3.820	3.821	3.822	3.823	3.823	3.824	3.825
1.040	I	F'	-4.912	-4.936	-4.960	-4.985	-5.010	-5.036	-5.062	-5.090	-5.117	-5.146
	I	F"	3.826	3.826	3.827	3.828	3.829	3.830	3.830	3.831	3.832	3.833
1.041	I	F'	-5.175	-5.205	-5.236	-5.267	-5.300	-5.333	-5.368	-5.403	-5.440	-5.478
	I	F"	3.834	3.834	3.835	3.836	3.837	3.838	3.838	3.839	3.840	3.841
1.042	I	F'	-5.517	-5.558	-5.601	-5.645	-5.690	-5.738	-5.788	-5.840	-5.895	-5.953
	I	F"	3.842	3.842	3.843	3.844	3.845	3.846	3.846	3.847	3.848	3.849
1.043	I	F'	-6.014	-6.078	-6.147	-6.220	-6.298	-6.382	-6.473	-6.573	-6.682	-6.804
	I	F"	3.850	3.850	3.851	3.852	3.853	3.854	3.855	3.855	3.856	3.857
1.044	I	F'	-6.940	-7.097	-7.280	-7.500	-7.776	-8.149	-8.722	-10.030	-9.666	-8.597
	I	F"	3.858	3.859	3.859	3.860	3.861	3.862	3.863	3.863	0.496	0.496
1.045	I	F'	-8.074	-7.725	-7.463	-7.253	-7.078	-6.928	-6.797	-6.680	-6.575	-6.479
	I	F"	0.496	0.496	0.496	0.496	0.496	0.497	0.497	0.497	0.497	0.497
1.046	I	F'	-6.392	-6.311	-6.236	-6.166	-6.100	-6.039	-5.981	-5.926	-5.873	-5.823
	I	F"	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.498	0.498	0.498
1.047	I	F'	-5.776	-5.731	-5.687	-5.645	-5.605	-5.567	-5.529	-5.494	-5.459	-5.425
	I	F"	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.499	0.499
1.048	I	F'	-5.393	-5.361	-5.331	-5.301	-5.273	-5.245	-5.217	-5.191	-5.165	-5.140
	I	F"	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499
1.049	I	F'	-5.115	-5.091	-5.068	-5.045	-5.023	-5.001	-4.979	-4.958	-4.938	-4.918
	I	F"	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
1.050	I	F'	-4.898	-4.879	-4.860	-4.841	-4.823	-4.805	-4.787	-4.770	-4.753	-4.736
	I	F"	0.500	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501
1.051	I	F'	-4.720	-4.703	-4.687	-4.672	-4.656	-4.641	-4.626	-4.612	-4.597	-4.583
	I	F"	0.501	0.501	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
1.052	I	F'	-4.569	-4.555	-4.541	-4.528	-4.514	-4.501	-4.488	-4.475	-4.463	-4.450
	I	F"	0.502	0.502	0.502	0.502	0.503	0.503	0.503	0.503	0.503	0.503
1.053	I	F'	-4.438	-4.426	-4.414	-4.402	-4.390	-4.379	-4.367	-4.356	-4.345	-4.334
	I	F"	0.503	0.503	0.503	0.503	0.503	0.504	0.504	0.504	0.504	0.504
1.054	I	F'	-4.323	-4.312	-4.302	-4.291	-4.281	-4.270	-4.260	-4.250	-4.240	-4.230
	I	F"	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.505	0.505	0.505
1.055	I	F'	-4.220	-4.211	-4.201	-4.192	-4.182	-4.173	-4.164	-4.154	-4.145	-4.136
	I	F"	0.505	0.505	0.505	0.505	0.505	0.505	0.505	0.505	0.506	0.506
1.056	I	F'	-4.128	-4.119	-4.110	-4.102	-4.093	-4.084	-4.076	-4.068	-4.060	-4.051
	I	F"	0.506	0.506	0.506	0.506	0.506	0.506	0.506	0.506	0.506	0.507
1.057	I	F'	-4.043	-4.035	-4.027	-4.019	-4.012	-4.004	-3.996	-3.988	-3.981	-3.973
	I	F"	0.507	0.507	0.507	0.507	0.507	0.507	0.507	0.507	0.507	0.507
1.058	I	F'	-3.966	-3.959	-3.951	-3.944	-3.937	-3.930	-3.922	-3.915	-3.908	-3.901
	I	F"	0.507	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508

ATOMIC SYMBOL = SE ATOMIC NUMBER = 34 K ABSORPTION EDGE (0.97974 Å; 12.6540 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.965	I	F'	-3.567	-3.575	-3.583	-3.591	-3.599	-3.607	-3.616	-3.624	-3.632	-3.641
	I	F"	3.724	3.725	3.726	3.727	3.728	3.728	3.729	3.730	3.731	3.732
0.966	I	F'	-3.649	-3.658	-3.666	-3.675	-3.684	-3.693	-3.701	-3.710	-3.719	-3.728
	I	F"	3.732	3.733	3.734	3.735	3.736	3.737	3.737	3.738	3.739	3.740
0.967	I	F'	-3.738	-3.747	-3.756	-3.765	-3.775	-3.784	-3.794	-3.803	-3.813	-3.823
	I	F"	3.741	3.741	3.742	3.743	3.744	3.745	3.746	3.746	3.747	3.748
0.968	I	F'	-3.833	-3.843	-3.853	-3.863	-3.873	-3.884	-3.894	-3.905	-3.915	-3.926
	I	F"	3.749	3.750	3.750	3.751	3.752	3.753	3.754	3.755	3.755	3.756
0.969	I	F'	-3.937	-3.948	-3.959	-3.970	-3.981	-3.992	-4.004	-4.015	-4.027	-4.039
	I	F"	3.757	3.758	3.759	3.759	3.760	3.761	3.762	3.763	3.764	3.764
0.970	I	F'	-4.051	-4.063	-4.075	-4.087	-4.099	-4.112	-4.125	-4.137	-4.150	-4.163
	I	F"	3.765	3.766	3.767	3.768	3.769	3.769	3.770	3.771	3.772	3.773
0.971	I	F'	-4.177	-4.190	-4.204	-4.217	-4.231	-4.245	-4.259	-4.274	-4.288	-4.303
	I	F"	3.773	3.774	3.775	3.776	3.777	3.778	3.778	3.779	3.780	3.781
0.972	I	F'	-4.318	-4.333	-4.349	-4.364	-4.380	-4.396	-4.412	-4.429	-4.445	-4.462
	I	F"	3.782	3.783	3.783	3.784	3.785	3.786	3.787	3.788	3.788	3.789
0.973	I	F'	-4.479	-4.497	-4.514	-4.532	-4.551	-4.569	-4.588	-4.607	-4.627	-4.647
	I	F"	3.790	3.791	3.792	3.793	3.793	3.794	3.795	3.796	3.797	3.798
0.974	I	F'	-4.667	-4.687	-4.708	-4.730	-4.751	-4.774	-4.796	-4.819	-4.843	-4.867
	I	F"	3.798	3.799	3.800	3.801	3.802	3.803	3.803	3.804	3.805	3.806
0.975	I	F'	-4.891	-4.916	-4.942	-4.968	-4.995	-5.023	-5.051	-5.080	-5.110	-5.140
	I	F"	3.807	3.808	3.808	3.809	3.810	3.811	3.812	3.813	3.813	3.814
0.976	I	F'	-5.172	-5.204	-5.237	-5.271	-5.307	-5.343	-5.381	-5.420	-5.461	-5.503
	I	F"	3.815	3.816	3.817	3.818	3.818	3.819	3.820	3.821	3.822	3.823
0.977	I	F'	-5.546	-5.592	-5.639	-5.689	-5.741	-5.795	-5.852	-5.913	-5.977	-6.044
	I	F"	3.824	3.824	3.825	3.826	3.827	3.828	3.829	3.829	3.830	3.831
0.978	I	F'	-6.117	-6.194	-6.277	-6.368	-6.466	-6.574	-6.694	-6.830	-6.984	-7.164
	I	F"	3.832	3.833	3.834	3.834	3.835	3.836	3.837	3.838	3.839	3.840
0.979	I	F'	-7.381	-7.652	-8.016	-8.571	-9.793	-9.633	-8.514	-7.982	-7.631	-7.367
	I	F"	3.840	3.841	3.842	3.843	3.844	0.499	0.499	0.499	0.499	0.500
0.980	I	F'	-7.157	-6.982	-6.832	-6.700	-6.584	-6.479	-6.384	-6.297	-6.216	-6.141
	I	F"	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
0.981	I	F'	-6.072	-6.007	-5.945	-5.887	-5.833	-5.780	-5.731	-5.684	-5.639	-5.595
	I	F"	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501	0.501
0.982	I	F'	-5.554	-5.514	-5.476	-5.439	-5.403	-5.369	-5.335	-5.303	-5.272	-5.242
	I	F"	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
0.983	I	F'	-5.212	-5.184	-5.156	-5.129	-5.102	-5.077	-5.052	-5.027	-5.004	-4.980
	I	F"	0.502	0.503	0.503	0.503	0.503	0.503	0.503	0.503	0.503	0.503
0.984	I	F'	-4.958	-4.935	-4.914	-4.892	-4.871	-4.851	-4.831	-4.812	-4.792	-4.774
	I	F"	0.503	0.503	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504
0.985	I	F'	-4.755	-4.737	-4.719	-4.702	-4.684	-4.668	-4.651	-4.635	-4.619	-4.603
	I	F"	0.504	0.504	0.505	0.505	0.505	0.505	0.505	0.505	0.505	0.505
0.986	I	F'	-4.587	-4.572	-4.557	-4.542	-4.528	-4.513	-4.499	-4.485	-4.471	-4.458
	I	F"	0.505	0.505	0.505	0.506	0.506	0.506	0.506	0.506	0.506	0.506
0.987	I	F'	-4.444	-4.431	-4.418	-4.405	-4.393	-4.380	-4.368	-4.355	-4.343	-4.332
	I	F"	0.506	0.506	0.506	0.507	0.507	0.507	0.507	0.507	0.507	0.507
0.988	I	F'	-4.320	-4.308	-4.297	-4.285	-4.274	-4.263	-4.252	-4.241	-4.231	-4.220
	I	F"	0.507	0.507	0.507	0.507	0.508	0.508	0.508	0.508	0.508	0.508
0.989	I	F'	-4.210	-4.199	-4.189	-4.179	-4.169	-4.159	-4.149	-4.140	-4.130	-4.121
	I	F"	0.508	0.508	0.508	0.508	0.508	0.509	0.509	0.509	0.509	0.509
0.990	I	F'	-4.111	-4.102	-4.093	-4.084	-4.075	-4.066	-4.057	-4.048	-4.039	-4.031
	I	F"	0.509	0.509	0.509	0.509	0.509	0.510	0.510	0.510	0.510	0.510
0.991	I	F'	-4.022	-4.014	-4.005	-3.997	-3.989	-3.980	-3.972	-3.964	-3.956	-3.949
	I	F"	0.510	0.510	0.510	0.510	0.510	0.510	0.511	0.511	0.511	0.511
0.992	I	F'	-3.941	-3.933	-3.925	-3.918	-3.910	-3.903	-3.895	-3.888	-3.880	-3.873
	I	F"	0.511	0.511	0.511	0.511	0.511	0.511	0.512	0.512	0.512	0.512

ATOMIC SYMBOL = BR ATOMIC NUMBER = 35 K ABSORPTION EDGE (0.92040 Å; 13.4698 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.906	I	F'	-3.512	-3.521	-3.529	-3.537	-3.545	-3.553	-3.562	-3.570	-3.579	-3.587
	I	F"	3.701	3.702	3.703	3.704	3.705	3.705	3.706	3.707	3.708	3.709
0.907	I	F'	-3.596	-3.605	-3.613	-3.622	-3.631	-3.640	-3.649	-3.658	-3.667	-3.677
	I	F"	3.710	3.711	3.711	3.712	3.713	3.714	3.715	3.716	3.716	3.717
0.908	I	F'	-3.686	-3.695	-3.705	-3.714	-3.724	-3.734	-3.743	-3.753	-3.763	-3.773
	I	F"	3.718	3.719	3.720	3.721	3.722	3.722	3.723	3.724	3.725	3.726
0.909	I	F'	-3.783	-3.793	-3.804	-3.814	-3.825	-3.835	-3.846	-3.857	-3.867	-3.878
	I	F"	3.727	3.728	3.728	3.729	3.730	3.731	3.732	3.733	3.734	3.734
0.910	I	F'	-3.889	-3.901	-3.912	-3.923	-3.935	-3.946	-3.958	-3.970	-3.982	-3.994
	I	F"	3.735	3.736	3.737	3.738	3.739	3.740	3.740	3.741	3.742	3.743
0.911	I	F'	-4.006	-4.019	-4.031	-4.044	-4.056	-4.069	-4.082	-4.096	-4.109	-4.122
	I	F"	3.744	3.745	3.746	3.746	3.747	3.748	3.749	3.750	3.751	3.752
0.912	I	F'	-4.136	-4.150	-4.164	-4.178	-4.192	-4.207	-4.222	-4.236	-4.251	-4.267
	I	F"	3.752	3.753	3.754	3.755	3.756	3.757	3.758	3.758	3.759	3.760
0.913	I	F'	-4.282	-4.298	-4.314	-4.330	-4.346	-4.363	-4.380	-4.397	-4.414	-4.432
	I	F"	3.761	3.762	3.763	3.764	3.765	3.765	3.766	3.767	3.768	3.769
0.914	I	F'	-4.450	-4.468	-4.487	-4.505	-4.524	-4.544	-4.564	-4.584	-4.604	-4.625
	I	F"	3.770	3.771	3.771	3.772	3.773	3.774	3.775	3.776	3.777	3.778
0.915	I	F'	-4.646	-4.668	-4.690	-4.713	-4.736	-4.759	-4.783	-4.807	-4.832	-4.858
	I	F"	3.778	3.779	3.780	3.781	3.782	3.783	3.784	3.785	3.785	3.786
0.916	I	F'	-4.884	-4.911	-4.938	-4.967	-4.995	-5.025	-5.055	-5.087	-5.119	-5.152
	I	F"	3.787	3.788	3.789	3.790	3.791	3.791	3.792	3.793	3.794	3.795
0.917	I	F'	-5.186	-5.222	-5.258	-5.296	-5.335	-5.375	-5.417	-5.460	-5.506	-5.553
	I	F"	3.796	3.797	3.798	3.798	3.799	3.800	3.801	3.802	3.803	3.804
0.918	I	F'	-5.603	-5.654	-5.709	-5.766	-5.826	-5.890	-5.958	-6.030	-6.108	-6.191
	I	F"	3.805	3.806	3.806	3.807	3.808	3.809	3.810	3.811	3.812	3.813
0.919	I	F'	-6.282	-6.380	-6.489	-6.610	-6.746	-6.901	-7.084	-7.303	-7.580	-7.955
	I	F"	3.813	3.814	3.815	3.816	3.817	3.818	3.819	3.820	3.820	3.821
0.920	I	F'	-8.538	-9.941	-9.328	-8.335	-7.834	-7.497	-7.242	-7.037	-6.866	-6.720
	I	F"	3.822	3.823	0.502	0.502	0.502	0.503	0.503	0.503	0.503	0.503
0.921	I	F'	-6.591	-6.477	-6.374	-6.280	-6.194	-6.115	-6.042	-5.973	-5.909	-5.848
	I	F"	0.503	0.503	0.503	0.503	0.503	0.504	0.504	0.504	0.504	0.504
0.922	I	F'	-5.791	-5.737	-5.686	-5.637	-5.590	-5.546	-5.503	-5.462	-5.423	-5.385
	I	F"	0.504	0.504	0.504	0.504	0.504	0.505	0.505	0.505	0.505	0.505
0.923	I	F'	-5.348	-5.313	-5.279	-5.246	-5.214	-5.183	-5.153	-5.124	-5.096	-5.068
	I	F"	0.505	0.505	0.505	0.505	0.505	0.506	0.506	0.506	0.506	0.506
0.924	I	F'	-5.042	-5.016	-4.990	-4.966	-4.941	-4.918	-4.895	-4.872	-4.850	-4.829
	I	F"	0.506	0.506	0.506	0.506	0.506	0.507	0.507	0.507	0.507	0.507
0.925	I	F'	-4.808	-4.787	-4.767	-4.747	-4.728	-4.709	-4.690	-4.672	-4.654	-4.637
	I	F"	0.507	0.507	0.507	0.507	0.507	0.508	0.508	0.508	0.508	0.508
0.926	I	F'	-4.619	-4.602	-4.586	-4.569	-4.553	-4.537	-4.522	-4.506	-4.491	-4.476
	I	F"	0.508	0.508	0.508	0.508	0.508	0.509	0.509	0.509	0.509	0.509
0.927	I	F'	-4.461	-4.447	-4.433	-4.419	-4.405	-4.391	-4.378	-4.365	-4.352	-4.339
	I	F"	0.509	0.509	0.509	0.509	0.509	0.510	0.510	0.510	0.510	0.510
0.928	I	F'	-4.326	-4.314	-4.301	-4.289	-4.277	-4.265	-4.253	-4.242	-4.230	-4.219
	I	F"	0.510	0.510	0.510	0.510	0.510	0.511	0.511	0.511	0.511	0.511
0.929	I	F'	-4.208	-4.196	-4.186	-4.175	-4.164	-4.153	-4.143	-4.133	-4.122	-4.112
	I	F"	0.511	0.511	0.511	0.511	0.511	0.512	0.512	0.512	0.512	0.512
0.930	I	F'	-4.102	-4.092	-4.083	-4.073	-4.063	-4.054	-4.045	-4.035	-4.026	-4.017
	I	F"	0.512	0.512	0.512	0.512	0.513	0.513	0.513	0.513	0.513	0.513
0.931	I	F'	-4.008	-3.999	-3.990	-3.981	-3.973	-3.964	-3.955	-3.947	-3.939	-3.930
	I	F"	0.513	0.513	0.513	0.513	0.514	0.514	0.514	0.514	0.514	0.514
0.932	I	F'	-3.922	-3.914	-3.906	-3.898	-3.890	-3.882	-3.874	-3.867	-3.859	-3.851
	I	F"	0.514	0.514	0.514	0.514	0.515	0.515	0.515	0.515	0.515	0.515
0.933	I	F'	-3.844	-3.836	-3.829	-3.822	-3.814	-3.807	-3.800	-3.793	-3.786	-3.779
	I	F"	0.515	0.515	0.515	0.515	0.516	0.516	0.516	0.516	0.516	0.516

ATOMIC SYMBOL = KR ATOMIC NUMBER = 36 K ABSORPTION EDGE (0.86552 Å; 14.3239 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.852	I	F'	-3.493	-3.502	-3.510	-3.519	-3.527	-3.536	-3.545	-3.554	-3.563	-3.572
	I	F"	3.682	3.683	3.684	3.685	3.686	3.687	3.688	3.688	3.689	3.690
0.853	I	F'	-3.581	-3.590	-3.599	-3.608	-3.618	-3.627	-3.637	-3.646	-3.656	-3.666
	I	F"	3.691	3.692	3.693	3.694	3.695	3.696	3.696	3.697	3.698	3.699
0.854	I	F'	-3.675	-3.685	-3.695	-3.705	-3.715	-3.726	-3.736	-3.747	-3.757	-3.768
	I	F"	3.700	3.701	3.702	3.703	3.704	3.704	3.705	3.706	3.707	3.708
0.855	I	F'	-3.778	-3.789	-3.800	-3.811	-3.822	-3.833	-3.845	-3.856	-3.868	-3.880
	I	F"	3.709	3.710	3.711	3.712	3.712	3.713	3.714	3.715	3.716	3.717
0.856	I	F'	-3.891	-3.903	-3.915	-3.927	-3.940	-3.952	-3.965	-3.977	-3.990	-4.003
	I	F"	3.718	3.719	3.720	3.720	3.721	3.722	3.723	3.724	3.725	3.726
0.857	I	F'	-4.016	-4.030	-4.043	-4.057	-4.071	-4.085	-4.099	-4.113	-4.127	-4.142
	I	F"	3.727	3.728	3.729	3.729	3.730	3.731	3.732	3.733	3.734	3.735
0.858	I	F'	-4.157	-4.172	-4.187	-4.203	-4.218	-4.234	-4.250	-4.267	-4.283	-4.300
	I	F"	3.736	3.737	3.737	3.738	3.739	3.740	3.741	3.742	3.743	3.744
0.859	I	F'	-4.317	-4.334	-4.352	-4.370	-4.388	-4.406	-4.425	-4.444	-4.463	-4.483
	I	F"	3.745	3.746	3.746	3.747	3.748	3.749	3.750	3.751	3.752	3.753
0.860	I	F'	-4.503	-4.524	-4.544	-4.566	-4.587	-4.609	-4.632	-4.655	-4.678	-4.702
	I	F"	3.754	3.755	3.756	3.756	3.757	3.758	3.759	3.760	3.761	3.762
0.861	I	F'	-4.726	-4.751	-4.777	-4.803	-4.830	-4.857	-4.885	-4.914	-4.944	-4.974
	I	F"	3.763	3.764	3.765	3.765	3.766	3.767	3.768	3.769	3.770	3.771
0.862	I	F'	-5.005	-5.037	-5.070	-5.105	-5.140	-5.176	-5.214	-5.253	-5.293	-5.335
	I	F"	3.772	3.773	3.774	3.775	3.775	3.776	3.777	3.778	3.779	3.780
0.863	I	F'	-5.379	-5.424	-5.472	-5.521	-5.573	-5.627	-5.685	-5.745	-5.809	-5.878
	I	F"	3.781	3.782	3.783	3.784	3.785	3.785	3.786	3.787	3.788	3.789
0.864	I	F'	-5.950	-6.028	-6.112	-6.204	-6.303	-6.413	-6.535	-6.673	-6.832	-7.019
	I	F"	3.790	3.791	3.792	3.793	3.794	3.795	3.796	3.796	3.797	3.798
0.865	I	F'	-7.245	-7.533	-7.930	-8.574	-10.525	-8.956	-8.119	-7.662	-7.345	-7.102
	I	F"	3.799	3.800	3.801	3.802	3.803	0.506	0.506	0.506	0.506	0.506
0.866	I	F'	-6.906	-6.741	-6.599	-6.474	-6.363	-6.263	-6.171	-6.087	-6.010	-5.938
	I	F"	0.506	0.506	0.507	0.507	0.507	0.507	0.507	0.507	0.507	0.507
0.867	I	F'	-5.871	-5.807	-5.748	-5.692	-5.639	-5.588	-5.540	-5.494	-5.450	-5.408
	I	F"	0.507	0.507	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508
0.868	I	F'	-5.368	-5.329	-5.292	-5.256	-5.221	-5.188	-5.155	-5.124	-5.093	-5.064
	I	F"	0.508	0.509	0.509	0.509	0.509	0.509	0.509	0.509	0.509	0.509
0.869	I	F'	-5.035	-5.007	-4.980	-4.954	-4.928	-4.903	-4.879	-4.855	-4.832	-4.809
	I	F"	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510
0.870	I	F'	-4.787	-4.765	-4.744	-4.723	-4.703	-4.683	-4.663	-4.644	-4.625	-4.607
	I	F"	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.512
0.871	I	F'	-4.589	-4.571	-4.554	-4.537	-4.520	-4.503	-4.487	-4.471	-4.456	-4.440
	I	F"	0.512	0.512	0.512	0.512	0.512	0.512	0.512	0.512	0.513	0.513
0.872	I	F'	-4.425	-4.410	-4.395	-4.381	-4.367	-4.353	-4.339	-4.325	-4.312	-4.298
	I	F"	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.514	0.514	0.514
0.873	I	F'	-4.285	-4.272	-4.260	-4.247	-4.235	-4.222	-4.210	-4.198	-4.187	-4.175
	I	F"	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.515	0.515	0.515
0.874	I	F'	-4.164	-4.152	-4.141	-4.130	-4.119	-4.108	-4.097	-4.087	-4.076	-4.066
	I	F"	0.515	0.515	0.515	0.515	0.515	0.515	0.516	0.516	0.516	0.516
0.875	I	F'	-4.056	-4.046	-4.036	-4.026	-4.016	-4.006	-3.997	-3.987	-3.978	-3.969
	I	F"	0.516	0.516	0.516	0.516	0.516	0.517	0.517	0.517	0.517	0.517
0.876	I	F'	-3.960	-3.950	-3.941	-3.933	-3.924	-3.915	-3.906	-3.898	-3.889	-3.881
	I	F"	0.517	0.517	0.517	0.517	0.518	0.518	0.518	0.518	0.518	0.518
0.877	I	F'	-3.872	-3.864	-3.856	-3.848	-3.840	-3.832	-3.824	-3.816	-3.808	-3.801
	I	F"	0.518	0.518	0.518	0.518	0.519	0.519	0.519	0.519	0.519	0.519
0.878	I	F'	-3.793	-3.785	-3.778	-3.770	-3.763	-3.756	-3.748	-3.741	-3.734	-3.727
	I	F"	0.519	0.519	0.519	0.520	0.520	0.520	0.520	0.520	0.520	0.520
0.879	I	F'	-3.720	-3.713	-3.706	-3.699	-3.692	-3.685	-3.679	-3.672	-3.665	-3.659
	I	F"	0.520	0.520	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521

ATOMIC SYMBOL = RB ATOMIC NUMBER = 37 K ABSORPTION EDGE (0.81554 Å; 15.2018 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.802	I	F'	-3.400	-3.408	-3.416	-3.425	-3.433	-3.442	-3.450	-3.459	-3.468	-3.476
	I	F"	3.655	3.656	3.657	3.657	3.658	3.659	3.660	3.661	3.662	3.663
0.803	I	F'	-3.485	-3.494	-3.503	-3.512	-3.521	-3.531	-3.540	-3.549	-3.559	-3.568
	I	F"	3.664	3.665	3.666	3.667	3.668	3.669	3.669	3.670	3.671	3.672
0.804	I	F'	-3.578	-3.587	-3.597	-3.607	-3.617	-3.627	-3.637	-3.647	-3.657	-3.668
	I	F"	3.673	3.674	3.675	3.676	3.677	3.678	3.679	3.680	3.681	3.681
0.805	I	F'	-3.678	-3.689	-3.699	-3.710	-3.721	-3.732	-3.743	-3.754	-3.765	-3.777
	I	F"	3.682	3.683	3.684	3.685	3.686	3.687	3.688	3.689	3.690	3.691
0.806	I	F'	-3.788	-3.800	-3.811	-3.823	-3.835	-3.847	-3.859	-3.872	-3.884	-3.897
	I	F"	3.692	3.693	3.694	3.694	3.695	3.696	3.697	3.698	3.699	3.700
0.807	I	F'	-3.910	-3.923	-3.936	-3.949	-3.962	-3.976	-3.989	-4.003	-4.017	-4.031
	I	F"	3.701	3.702	3.703	3.704	3.705	3.706	3.707	3.708	3.708	3.709
0.808	I	F'	-4.045	-4.060	-4.075	-4.090	-4.105	-4.120	-4.135	-4.151	-4.167	-4.183
	I	F"	3.710	3.711	3.712	3.713	3.714	3.715	3.716	3.717	3.718	3.719
0.809	I	F'	-4.200	-4.216	-4.233	-4.250	-4.268	-4.285	-4.303	-4.322	-4.340	-4.359
	I	F"	3.720	3.721	3.722	3.723	3.723	3.724	3.725	3.726	3.727	3.728
0.810	I	F'	-4.378	-4.398	-4.417	-4.438	-4.458	-4.479	-4.500	-4.522	-4.544	-4.567
	I	F"	3.729	3.730	3.731	3.732	3.733	3.734	3.735	3.736	3.737	3.738
0.811	I	F'	-4.590	-4.614	-4.638	-4.663	-4.688	-4.714	-4.740	-4.767	-4.795	-4.823
	I	F"	3.739	3.740	3.740	3.741	3.742	3.743	3.744	3.745	3.746	3.747
0.812	I	F'	-4.852	-4.882	-4.913	-4.945	-4.977	-5.011	-5.046	-5.081	-5.118	-5.157
	I	F"	3.748	3.749	3.750	3.751	3.752	3.753	3.754	3.755	3.756	3.757
0.813	I	F'	-5.196	-5.238	-5.280	-5.325	-5.371	-5.420	-5.471	-5.524	-5.580	-5.639
	I	F"	3.758	3.758	3.759	3.760	3.761	3.762	3.763	3.764	3.765	3.766
0.814	I	F'	-5.702	-5.768	-5.839	-5.915	-5.996	-6.084	-6.180	-6.286	-6.403	-6.535
	I	F"	3.767	3.768	3.769	3.770	3.771	3.772	3.773	3.774	3.775	3.776
0.815	I	F'	-6.686	-6.861	-7.072	-7.335	-7.687	-8.221	-9.364	-9.361	-8.217	-7.687
	I	F"	3.777	3.778	3.778	3.779	3.780	3.781	3.782	0.509	0.509	0.509
0.816	I	F'	-7.338	-7.078	-6.871	-6.699	-6.551	-6.422	-6.308	-6.205	-6.112	-6.026
	I	F"	0.509	0.509	0.509	0.509	0.509	0.509	0.510	0.510	0.510	0.510
0.817	I	F'	-5.947	-5.874	-5.806	-5.742	-5.682	-5.625	-5.572	-5.521	-5.472	-5.426
	I	F"	0.510	0.510	0.510	0.510	0.511	0.511	0.511	0.511	0.511	0.511
0.818	I	F'	-5.382	-5.340	-5.299	-5.260	-5.223	-5.187	-5.152	-5.118	-5.086	-5.054
	I	F"	0.511	0.511	0.511	0.512	0.512	0.512	0.512	0.512	0.512	0.512
0.819	I	F'	-5.024	-4.994	-4.965	-4.937	-4.910	-4.884	-4.858	-4.833	-4.809	-4.785
	I	F"	0.512	0.512	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513
0.820	I	F'	-4.762	-4.739	-4.717	-4.695	-4.674	-4.653	-4.633	-4.613	-4.594	-4.575
	I	F"	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.515
0.821	I	F'	-4.556	-4.538	-4.520	-4.502	-4.485	-4.468	-4.451	-4.435	-4.418	-4.402
	I	F"	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.516	0.516
0.822	I	F'	-4.387	-4.371	-4.356	-4.341	-4.327	-4.312	-4.298	-4.284	-4.270	-4.257
	I	F"	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.517	0.517	0.517
0.823	I	F'	-4.243	-4.230	-4.217	-4.204	-4.192	-4.179	-4.167	-4.155	-4.143	-4.131
	I	F"	0.517	0.517	0.517	0.517	0.517	0.518	0.518	0.518	0.518	0.518
0.824	I	F'	-4.119	-4.108	-4.096	-4.085	-4.074	-4.063	-4.052	-4.041	-4.031	-4.020
	I	F"	0.518	0.518	0.518	0.518	0.519	0.519	0.519	0.519	0.519	0.519
0.825	I	F'	-4.010	-3.999	-3.989	-3.979	-3.969	-3.959	-3.950	-3.940	-3.931	-3.921
	I	F"	0.519	0.519	0.519	0.520	0.520	0.520	0.520	0.520	0.520	0.520
0.826	I	F'	-3.912	-3.903	-3.893	-3.884	-3.876	-3.867	-3.858	-3.849	-3.841	-3.832
	I	F"	0.520	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
0.827	I	F'	-3.824	-3.815	-3.807	-3.799	-3.791	-3.783	-3.775	-3.767	-3.759	-3.751
	I	F"	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.523
0.828	I	F'	-3.743	-3.736	-3.728	-3.721	-3.713	-3.706	-3.698	-3.691	-3.684	-3.677
	I	F"	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.524	0.524	0.524
0.829	I	F'	-3.670	-3.663	-3.656	-3.649	-3.642	-3.635	-3.628	-3.621	-3.615	-3.608
	I	F"	0.524	0.524	0.524	0.524	0.524	0.524	0.525	0.525	0.525	0.525

ATOMIC SYMBOL = SR ATOMIC NUMBER = 38 K ABSORPTION EDGE (0.76973 Å; 16.1065 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.756	I	F'	-3.304	-3.312	-3.320	-3.328	-3.336	-3.345	-3.353	-3.362	-3.370	-3.379
	I	F"	3.636	3.637	3.638	3.639	3.640	3.641	3.642	3.643	3.644	3.645
0.757	I	F'	-3.388	-3.397	-3.405	-3.414	-3.423	-3.432	-3.441	-3.451	-3.460	-3.469
	I	F"	3.646	3.647	3.648	3.649	3.650	3.651	3.652	3.653	3.654	3.655
0.758	I	F'	-3.478	-3.488	-3.498	-3.507	-3.517	-3.527	-3.537	-3.547	-3.557	-3.567
	I	F"	3.655	3.656	3.657	3.658	3.659	3.660	3.661	3.662	3.663	3.664
0.759	I	F'	-3.577	-3.587	-3.598	-3.608	-3.619	-3.629	-3.640	-3.651	-3.662	-3.673
	I	F"	3.665	3.666	3.667	3.668	3.669	3.670	3.671	3.672	3.673	3.674
0.760	I	F'	-3.685	-3.696	-3.707	-3.719	-3.731	-3.742	-3.754	-3.766	-3.778	-3.791
	I	F"	3.675	3.676	3.677	3.678	3.679	3.680	3.681	3.682	3.683	3.684
0.761	I	F'	-3.803	-3.816	-3.829	-3.841	-3.854	-3.868	-3.881	-3.894	-3.908	-3.922
	I	F"	3.685	3.685	3.686	3.687	3.688	3.689	3.690	3.691	3.692	3.693
0.762	I	F'	-3.936	-3.950	-3.964	-3.979	-3.993	-4.008	-4.023	-4.038	-4.054	-4.070
	I	F"	3.694	3.695	3.696	3.697	3.698	3.699	3.700	3.701	3.702	3.703
0.763	I	F'	-4.086	-4.102	-4.118	-4.135	-4.151	-4.169	-4.186	-4.204	-4.222	-4.240
	I	F"	3.704	3.705	3.706	3.707	3.708	3.709	3.710	3.711	3.712	3.713
0.764	I	F'	-4.258	-4.277	-4.296	-4.316	-4.336	-4.356	-4.376	-4.397	-4.419	-4.440
	I	F"	3.714	3.715	3.716	3.717	3.718	3.719	3.720	3.721	3.722	3.723
0.765	I	F'	-4.463	-4.485	-4.508	-4.532	-4.556	-4.581	-4.606	-4.632	-4.658	-4.685
	I	F"	3.724	3.725	3.726	3.727	3.728	3.729	3.730	3.731	3.732	3.733
0.766	I	F'	-4.713	-4.742	-4.771	-4.801	-4.832	-4.863	-4.896	-4.930	-4.965	-5.001
	I	F"	3.734	3.735	3.735	3.736	3.737	3.738	3.739	3.740	3.741	3.742
0.767	I	F'	-5.038	-5.076	-5.116	-5.158	-5.201	-5.245	-5.292	-5.341	-5.392	-5.446
	I	F"	3.743	3.744	3.745	3.746	3.747	3.748	3.749	3.750	3.751	3.752
0.768	I	F'	-5.503	-5.562	-5.626	-5.693	-5.765	-5.841	-5.924	-6.014	-6.112	-6.221
	I	F"	3.753	3.754	3.755	3.756	3.757	3.758	3.759	3.760	3.761	3.762
0.769	I	F'	-6.341	-6.477	-6.633	-6.817	-7.040	-7.323	-7.713	-8.343	-10.210	-8.747
	I	F"	3.763	3.764	3.765	3.766	3.767	3.768	3.769	3.770	3.771	0.521
0.770	I	F'	-7.913	-7.460	-7.146	-6.907	-6.713	-6.550	-6.410	-6.287	-6.177	-6.078
	I	F"	0.521	0.521	0.521	0.521	0.522	0.522	0.522	0.522	0.522	0.522
0.771	I	F'	-5.988	-5.905	-5.829	-5.758	-5.691	-5.629	-5.571	-5.516	-5.463	-5.413
	I	F"	0.522	0.522	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
0.772	I	F'	-5.366	-5.321	-5.278	-5.236	-5.197	-5.158	-5.122	-5.086	-5.052	-5.019
	I	F"	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.525	0.525
0.773	I	F'	-4.987	-4.956	-4.926	-4.897	-4.869	-4.842	-4.815	-4.789	-4.764	-4.739
	I	F"	0.525	0.525	0.525	0.525	0.525	0.525	0.526	0.526	0.526	0.526
0.774	I	F'	-4.715	-4.692	-4.669	-4.647	-4.625	-4.603	-4.583	-4.562	-4.542	-4.523
	I	F"	0.526	0.526	0.526	0.526	0.527	0.527	0.527	0.527	0.527	0.527
0.775	I	F'	-4.503	-4.485	-4.466	-4.448	-4.430	-4.413	-4.396	-4.379	-4.363	-4.347
	I	F"	0.527	0.527	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
0.776	I	F'	-4.331	-4.315	-4.300	-4.284	-4.269	-4.255	-4.240	-4.226	-4.212	-4.198
	I	F"	0.529	0.529	0.529	0.529	0.529	0.529	0.529	0.529	0.530	0.530
0.777	I	F'	-4.185	-4.171	-4.158	-4.145	-4.132	-4.120	-4.107	-4.095	-4.083	-4.071
	I	F"	0.530	0.530	0.530	0.530	0.530	0.530	0.531	0.531	0.531	0.531
0.778	I	F'	-4.059	-4.047	-4.035	-4.024	-4.013	-4.002	-3.991	-3.980	-3.969	-3.959
	I	F"	0.531	0.531	0.531	0.531	0.532	0.532	0.532	0.532	0.532	0.532
0.779	I	F'	-3.948	-3.938	-3.927	-3.917	-3.907	-3.897	-3.888	-3.878	-3.868	-3.859
	I	F"	0.532	0.532	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
0.780	I	F'	-3.849	-3.840	-3.831	-3.822	-3.813	-3.804	-3.795	-3.786	-3.778	-3.769
	I	F"	0.534	0.534	0.534	0.534	0.534	0.534	0.534	0.534	0.535	0.535
0.781	I	F'	-3.761	-3.752	-3.744	-3.736	-3.727	-3.719	-3.711	-3.703	-3.695	-3.688
	I	F"	0.535	0.535	0.535	0.535	0.535	0.535	0.536	0.536	0.536	0.536
0.782	I	F'	-3.680	-3.672	-3.665	-3.657	-3.649	-3.642	-3.635	-3.627	-3.620	-3.613
	I	F"	0.536	0.536	0.536	0.536	0.537	0.537	0.537	0.537	0.537	0.537
0.783	I	F'	-3.606	-3.599	-3.592	-3.585	-3.578	-3.571	-3.564	-3.558	-3.551	-3.544
	I	F"	0.537	0.537	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538

ATOMIC SYMBOL = Y ATOMIC NUMBER = 39 K ABSORPTION EDGE (0.72766 Å; 17.0377 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.714	I	F'	-3.251	-3.260	-3.268	-3.276	-3.285	-3.293	-3.302	-3.310	-3.319	-3.328
	I	F"	3.614	3.615	3.616	3.617	3.617	3.618	3.619	3.620	3.621	3.622
0.715	I	F'	-3.336	-3.345	-3.354	-3.363	-3.372	-3.381	-3.390	-3.400	-3.409	-3.418
	I	F"	3.623	3.624	3.625	3.626	3.627	3.628	3.629	3.630	3.631	3.632
0.716	I	F'	-3.428	-3.438	-3.447	-3.457	-3.467	-3.477	-3.487	-3.497	-3.507	-3.517
	I	F"	3.633	3.634	3.635	3.636	3.637	3.638	3.639	3.640	3.641	3.642
0.717	I	F'	-3.528	-3.538	-3.549	-3.559	-3.570	-3.581	-3.592	-3.603	-3.614	-3.625
	I	F"	3.643	3.644	3.645	3.646	3.648	3.649	3.650	3.651	3.652	3.653
0.718	I	F'	-3.636	-3.648	-3.660	-3.671	-3.683	-3.695	-3.707	-3.719	-3.732	-3.744
	I	F"	3.654	3.655	3.656	3.657	3.658	3.659	3.660	3.661	3.662	3.663
0.719	I	F'	-3.757	-3.770	-3.783	-3.796	-3.809	-3.822	-3.836	-3.850	-3.863	-3.877
	I	F"	3.664	3.665	3.666	3.667	3.668	3.669	3.670	3.671	3.672	3.673
0.720	I	F'	-3.892	-3.906	-3.921	-3.935	-3.950	-3.965	-3.981	-3.996	-4.012	-4.028
	I	F"	3.674	3.675	3.676	3.677	3.678	3.679	3.680	3.681	3.682	3.683
0.721	I	F'	-4.045	-4.061	-4.078	-4.095	-4.112	-4.130	-4.147	-4.165	-4.184	-4.202
	I	F"	3.684	3.685	3.686	3.687	3.688	3.689	3.690	3.691	3.692	3.693
0.722	I	F'	-4.222	-4.241	-4.261	-4.281	-4.301	-4.322	-4.343	-4.365	-4.387	-4.409
	I	F"	3.694	3.695	3.696	3.697	3.698	3.699	3.700	3.701	3.702	3.703
0.723	I	F'	-4.432	-4.455	-4.479	-4.504	-4.529	-4.554	-4.581	-4.608	-4.635	-4.663
	I	F"	3.704	3.705	3.706	3.707	3.708	3.709	3.710	3.711	3.712	3.713
0.724	I	F'	-4.692	-4.722	-4.753	-4.784	-4.817	-4.850	-4.884	-4.920	-4.957	-4.995
	I	F"	3.715	3.716	3.717	3.718	3.719	3.720	3.721	3.722	3.723	3.724
0.725	I	F'	-5.034	-5.075	-5.118	-5.162	-5.209	-5.257	-5.308	-5.361	-5.417	-5.476
	I	F"	3.725	3.726	3.727	3.728	3.729	3.730	3.731	3.732	3.733	3.734
0.726	I	F'	-5.538	-5.605	-5.675	-5.751	-5.833	-5.922	-6.018	-6.125	-6.243	-6.377
	I	F"	3.735	3.736	3.737	3.738	3.739	3.740	3.741	3.742	3.743	3.744
0.727	I	F'	-6.530	-6.709	-6.926	-7.200	-7.573	-8.164	-9.690	-8.775	-7.873	-7.402
	I	F"	3.745	3.746	3.748	3.749	3.750	3.751	3.752	0.525	0.525	0.525
0.728	I	F'	-7.082	-6.838	-6.642	-6.478	-6.337	-6.214	-6.104	-6.004	-5.914	-5.831
	I	F"	0.525	0.525	0.525	0.526	0.526	0.526	0.526	0.526	0.526	0.526
0.729	I	F'	-5.755	-5.684	-5.618	-5.556	-5.498	-5.442	-5.390	-5.341	-5.294	-5.249
	I	F"	0.526	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.528	0.528
0.730	I	F'	-5.206	-5.164	-5.125	-5.087	-5.050	-5.015	-4.981	-4.948	-4.916	-4.886
	I	F"	0.528	0.528	0.528	0.528	0.528	0.528	0.529	0.529	0.529	0.529
0.731	I	F'	-4.856	-4.827	-4.799	-4.772	-4.745	-4.719	-4.694	-4.670	-4.646	-4.623
	I	F"	0.529	0.529	0.529	0.530	0.530	0.530	0.530	0.530	0.530	0.530
0.732	I	F'	-4.600	-4.578	-4.556	-4.535	-4.514	-4.494	-4.474	-4.455	-4.436	-4.417
	I	F"	0.530	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.532	0.532
0.733	I	F'	-4.399	-4.381	-4.363	-4.346	-4.329	-4.312	-4.296	-4.280	-4.264	-4.248
	I	F"	0.532	0.532	0.532	0.532	0.532	0.532	0.533	0.533	0.533	0.533
0.734	I	F'	-4.233	-4.218	-4.203	-4.189	-4.174	-4.160	-4.146	-4.133	-4.119	-4.106
	I	F"	0.533	0.533	0.533	0.534	0.534	0.534	0.534	0.534	0.534	0.534
0.735	I	F'	-4.093	-4.080	-4.067	-4.055	-4.042	-4.030	-4.018	-4.006	-3.994	-3.983
	I	F"	0.534	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.536
0.736	I	F'	-3.971	-3.960	-3.949	-3.938	-3.927	-3.916	-3.905	-3.895	-3.885	-3.874
	I	F"	0.536	0.536	0.536	0.536	0.536	0.536	0.537	0.537	0.537	0.537
0.737	I	F'	-3.864	-3.854	-3.844	-3.834	-3.825	-3.815	-3.805	-3.796	-3.787	-3.778
	I	F"	0.537	0.537	0.537	0.537	0.538	0.538	0.538	0.538	0.538	0.538
0.738	I	F'	-3.768	-3.759	-3.750	-3.742	-3.733	-3.724	-3.716	-3.707	-3.699	-3.690
	I	F"	0.538	0.539	0.539	0.539	0.539	0.539	0.539	0.539	0.539	0.540
0.739	I	F'	-3.682	-3.674	-3.666	-3.658	-3.650	-3.642	-3.634	-3.626	-3.619	-3.611
	I	F"	0.540	0.540	0.540	0.540	0.540	0.540	0.541	0.541	0.541	0.541
0.740	I	F'	-3.604	-3.596	-3.589	-3.581	-3.574	-3.567	-3.560	-3.552	-3.545	-3.538
	I	F"	0.541	0.541	0.541	0.541	0.542	0.542	0.542	0.542	0.542	0.542
0.741	I	F'	-3.531	-3.525	-3.518	-3.511	-3.504	-3.498	-3.491	-3.484	-3.478	-3.471
	I	F"	0.542	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.544	0.544

ATOMIC SYMBOL = ZR ATOMIC NUMBER = 40 K ABSORPTION EDGE (0.68883 Å; 17.9981 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.675	I	F'	-3.171	-3.179	-3.187	-3.195	-3.203	-3.212	-3.220	-3.228	-3.237	-3.245
	I	F"	3.588	3.589	3.590	3.591	3.592	3.593	3.594	3.595	3.596	3.597
0.676	I	F'	-3.254	-3.263	-3.271	-3.280	-3.289	-3.298	-3.307	-3.316	-3.325	-3.334
	I	F"	3.598	3.599	3.601	3.602	3.603	3.604	3.605	3.606	3.607	3.608
0.677	I	F'	-3.344	-3.353	-3.362	-3.372	-3.382	-3.391	-3.401	-3.411	-3.421	-3.431
	I	F"	3.609	3.610	3.611	3.612	3.613	3.614	3.615	3.616	3.617	3.618
0.678	I	F'	-3.441	-3.451	-3.461	-3.472	-3.482	-3.493	-3.503	-3.514	-3.525	-3.536
	I	F"	3.619	3.620	3.621	3.622	3.623	3.624	3.625	3.626	3.627	3.628
0.679	I	F'	-3.547	-3.558	-3.570	-3.581	-3.592	-3.604	-3.616	-3.628	-3.640	-3.652
	I	F"	3.629	3.631	3.632	3.633	3.634	3.635	3.636	3.637	3.638	3.639
0.680	I	F'	-3.664	-3.677	-3.689	-3.702	-3.715	-3.728	-3.741	-3.754	-3.767	-3.781
	I	F"	3.640	3.641	3.642	3.643	3.644	3.645	3.646	3.647	3.648	3.649
0.681	I	F'	-3.795	-3.809	-3.823	-3.837	-3.851	-3.866	-3.881	-3.896	-3.911	-3.927
	I	F"	3.650	3.651	3.652	3.653	3.655	3.656	3.657	3.658	3.659	3.660
0.682	I	F'	-3.942	-3.958	-3.974	-3.991	-4.007	-4.024	-4.041	-4.059	-4.076	-4.094
	I	F"	3.661	3.662	3.663	3.664	3.665	3.666	3.667	3.668	3.669	3.670
0.683	I	F'	-4.112	-4.131	-4.150	-4.169	-4.189	-4.208	-4.229	-4.249	-4.270	-4.292
	I	F"	3.671	3.672	3.673	3.674	3.676	3.677	3.678	3.679	3.680	3.681
0.684	I	F'	-4.313	-4.336	-4.358	-4.382	-4.405	-4.429	-4.454	-4.480	-4.505	-4.532
	I	F"	3.682	3.683	3.684	3.685	3.686	3.687	3.688	3.689	3.690	3.691
0.685	I	F'	-4.559	-4.587	-4.616	-4.645	-4.676	-4.707	-4.739	-4.772	-4.806	-4.841
	I	F"	3.692	3.693	3.695	3.696	3.697	3.698	3.699	3.700	3.701	3.702
0.686	I	F'	-4.877	-4.915	-4.954	-4.994	-5.036	-5.080	-5.126	-5.173	-5.223	-5.275
	I	F"	3.703	3.704	3.705	3.706	3.707	3.708	3.709	3.710	3.712	3.713
0.687	I	F'	-5.330	-5.388	-5.450	-5.515	-5.584	-5.659	-5.738	-5.825	-5.919	-6.023
	I	F"	3.714	3.715	3.716	3.717	3.718	3.719	3.720	3.721	3.722	3.723
0.688	I	F'	-6.138	-6.267	-6.415	-6.587	-6.794	-7.052	-7.398	-7.922	-9.051	-9.020
	I	F"	3.724	3.725	3.726	3.728	3.729	3.730	3.731	3.732	3.733	0.529
0.689	I	F'	-7.910	-7.393	-7.053	-6.799	-6.597	-6.428	-6.284	-6.158	-6.047	-5.946
	I	F"	0.529	0.529	0.529	0.529	0.530	0.530	0.530	0.530	0.530	0.530
0.690	I	F'	-5.855	-5.771	-5.694	-5.623	-5.556	-5.494	-5.436	-5.380	-5.328	-5.278
	I	F"	0.530	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.532
0.691	I	F'	-5.231	-5.186	-5.143	-5.102	-5.062	-5.024	-4.987	-4.952	-4.918	-4.885
	I	F"	0.532	0.532	0.532	0.532	0.532	0.532	0.533	0.533	0.533	0.533
0.692	I	F'	-4.854	-4.823	-4.793	-4.765	-4.737	-4.709	-4.683	-4.657	-4.632	-4.608
	I	F"	0.533	0.533	0.533	0.534	0.534	0.534	0.534	0.534	0.534	0.534
0.693	I	F'	-4.584	-4.561	-4.538	-4.516	-4.495	-4.473	-4.453	-4.433	-4.413	-4.393
	I	F"	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.536	0.536	0.536
0.694	I	F'	-4.375	-4.356	-4.338	-4.320	-4.302	-4.285	-4.268	-4.252	-4.235	-4.219
	I	F"	0.536	0.536	0.536	0.536	0.537	0.537	0.537	0.537	0.537	0.537
0.695	I	F'	-4.204	-4.188	-4.173	-4.158	-4.143	-4.129	-4.115	-4.101	-4.087	-4.073
	I	F"	0.537	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.539	0.539
0.696	I	F'	-4.060	-4.047	-4.034	-4.021	-4.008	-3.996	-3.983	-3.971	-3.959	-3.947
	I	F"	0.539	0.539	0.539	0.539	0.539	0.540	0.540	0.540	0.540	0.540
0.697	I	F'	-3.936	-3.924	-3.913	-3.902	-3.890	-3.880	-3.869	-3.858	-3.847	-3.837
	I	F"	0.540	0.540	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.542
0.698	I	F'	-3.827	-3.816	-3.806	-3.796	-3.787	-3.777	-3.767	-3.758	-3.748	-3.739
	I	F"	0.542	0.542	0.542	0.542	0.542	0.542	0.543	0.543	0.543	0.543
0.699	I	F'	-3.730	-3.720	-3.711	-3.702	-3.694	-3.685	-3.676	-3.668	-3.659	-3.651
	I	F"	0.543	0.543	0.543	0.544	0.544	0.544	0.544	0.544	0.544	0.544
0.700	I	F'	-3.642	-3.634	-3.626	-3.618	-3.610	-3.602	-3.594	-3.586	-3.578	-3.570
	I	F"	0.544	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.546	0.546
0.701	I	F'	-3.563	-3.555	-3.548	-3.540	-3.533	-3.526	-3.519	-3.511	-3.504	-3.497
	I	F"	0.546	0.546	0.546	0.546	0.546	0.547	0.547	0.547	0.547	0.547
0.702	I	F'	-3.490	-3.483	-3.476	-3.470	-3.463	-3.456	-3.449	-3.443	-3.436	-3.430
	I	F"	0.547	0.547	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.549

ATOMIC SYMBOL = NB ATOMIC NUMBER = 41 K ABSORPTION EDGE (0.65298 Å; 18.9862 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.639	I	F'	-3.104	-3.112	-3.120	-3.128	-3.136	-3.144	-3.153	-3.161	-3.169	-3.178
	I	F"	3.564	3.565	3.566	3.567	3.568	3.569	3.570	3.571	3.572	3.573
0.640	I	F'	-3.186	-3.195	-3.203	-3.212	-3.220	-3.229	-3.238	-3.247	-3.256	-3.265
	I	F"	3.574	3.575	3.576	3.578	3.579	3.580	3.581	3.582	3.583	3.584
0.641	I	F'	-3.274	-3.283	-3.293	-3.302	-3.311	-3.321	-3.330	-3.340	-3.350	-3.360
	I	F"	3.585	3.586	3.587	3.588	3.589	3.590	3.591	3.592	3.593	3.594
0.642	I	F'	-3.370	-3.380	-3.390	-3.400	-3.410	-3.420	-3.431	-3.441	-3.452	-3.463
	I	F"	3.595	3.596	3.597	3.598	3.599	3.600	3.602	3.603	3.604	3.605
0.643	I	F'	-3.474	-3.485	-3.496	-3.507	-3.518	-3.529	-3.541	-3.553	-3.564	-3.576
	I	F"	3.606	3.607	3.608	3.609	3.610	3.611	3.612	3.613	3.614	3.615
0.644	I	F'	-3.588	-3.600	-3.613	-3.625	-3.637	-3.650	-3.663	-3.676	-3.689	-3.702
	I	F"	3.616	3.617	3.618	3.619	3.620	3.621	3.623	3.624	3.625	3.626
0.645	I	F'	-3.716	-3.729	-3.743	-3.757	-3.771	-3.785	-3.800	-3.814	-3.829	-3.844
	I	F"	3.627	3.628	3.629	3.630	3.631	3.632	3.633	3.634	3.635	3.636
0.646	I	F'	-3.859	-3.875	-3.891	-3.906	-3.923	-3.939	-3.956	-3.972	-3.989	-4.007
	I	F"	3.637	3.638	3.639	3.640	3.642	3.643	3.644	3.645	3.646	3.647
0.647	I	F'	-4.025	-4.042	-4.061	-4.079	-4.098	-4.117	-4.137	-4.157	-4.177	-4.198
	I	F"	3.648	3.649	3.650	3.651	3.652	3.653	3.654	3.655	3.656	3.657
0.648	I	F'	-4.219	-4.240	-4.262	-4.284	-4.307	-4.330	-4.354	-4.378	-4.403	-4.429
	I	F"	3.658	3.660	3.661	3.662	3.663	3.664	3.665	3.666	3.667	3.668
0.649	I	F'	-4.455	-4.481	-4.509	-4.537	-4.566	-4.595	-4.626	-4.657	-4.689	-4.722
	I	F"	3.669	3.670	3.671	3.672	3.673	3.674	3.676	3.677	3.678	3.679
0.650	I	F'	-4.757	-4.792	-4.829	-4.867	-4.906	-4.947	-4.989	-5.034	-5.080	-5.128
	I	F"	3.680	3.681	3.682	3.683	3.684	3.685	3.686	3.687	3.688	3.689
0.651	I	F'	-5.179	-5.232	-5.288	-5.347	-5.410	-5.476	-5.547	-5.623	-5.706	-5.795
	I	F"	3.690	3.692	3.693	3.694	3.695	3.696	3.697	3.698	3.699	3.700
0.652	I	F'	-5.893	-6.001	-6.121	-6.257	-6.414	-6.600	-6.826	-7.117	-7.526	-8.218
	I	F"	3.701	3.702	3.703	3.704	3.706	3.707	3.708	3.709	3.710	3.711
0.653	I	F'	-12.080	-8.256	-7.546	-7.135	-6.844	-6.619	-6.436	-6.281	-6.147	-6.030
	I	F"	3.712	0.533	0.533	0.533	0.533	0.533	0.534	0.534	0.534	0.534
0.654	I	F'	-5.924	-5.829	-5.743	-5.663	-5.589	-5.521	-5.457	-5.397	-5.340	-5.287
	I	F"	0.534	0.534	0.534	0.535	0.535	0.535	0.535	0.535	0.535	0.535
0.655	I	F'	-5.236	-5.188	-5.142	-5.099	-5.057	-5.017	-4.978	-4.941	-4.906	-4.871
	I	F"	0.536	0.536	0.536	0.536	0.536	0.536	0.537	0.537	0.537	0.537
0.656	I	F'	-4.838	-4.806	-4.775	-4.745	-4.716	-4.688	-4.661	-4.634	-4.608	-4.583
	I	F"	0.537	0.537	0.537	0.538	0.538	0.538	0.538	0.538	0.538	0.538
0.657	I	F'	-4.559	-4.535	-4.511	-4.489	-4.467	-4.445	-4.424	-4.403	-4.383	-4.363
	I	F"	0.539	0.539	0.539	0.539	0.539	0.539	0.540	0.540	0.540	0.540
0.658	I	F'	-4.344	-4.325	-4.306	-4.288	-4.270	-4.252	-4.235	-4.218	-4.202	-4.185
	I	F"	0.540	0.540	0.540	0.541	0.541	0.541	0.541	0.541	0.541	0.541
0.659	I	F'	-4.169	-4.154	-4.138	-4.123	-4.108	-4.093	-4.079	-4.065	-4.051	-4.037
	I	F"	0.542	0.542	0.542	0.542	0.542	0.542	0.543	0.543	0.543	0.543
0.660	I	F'	-4.023	-4.010	-3.997	-3.984	-3.971	-3.958	-3.946	-3.933	-3.921	-3.909
	I	F"	0.543	0.543	0.543	0.544	0.544	0.544	0.544	0.544	0.544	0.544
0.661	I	F'	-3.897	-3.886	-3.874	-3.863	-3.852	-3.841	-3.830	-3.819	-3.808	-3.798
	I	F"	0.545	0.545	0.545	0.545	0.545	0.545	0.546	0.546	0.546	0.546
0.662	I	F'	-3.787	-3.777	-3.767	-3.757	-3.747	-3.737	-3.727	-3.718	-3.708	-3.699
	I	F"	0.546	0.546	0.546	0.547	0.547	0.547	0.547	0.547	0.547	0.547
0.663	I	F'	-3.690	-3.680	-3.671	-3.662	-3.653	-3.645	-3.636	-3.627	-3.619	-3.610
	I	F"	0.548	0.548	0.548	0.548	0.548	0.548	0.549	0.549	0.549	0.549
0.664	I	F'	-3.602	-3.593	-3.585	-3.577	-3.569	-3.561	-3.553	-3.545	-3.537	-3.530
	I	F"	0.549	0.549	0.549	0.550	0.550	0.550	0.550	0.550	0.550	0.551
0.665	I	F'	-3.522	-3.514	-3.507	-3.499	-3.492	-3.485	-3.477	-3.470	-3.463	-3.456
	I	F"	0.551	0.551	0.551	0.551	0.551	0.551	0.552	0.552	0.552	0.552
0.666	I	F'	-3.449	-3.442	-3.435	-3.428	-3.421	-3.415	-3.408	-3.401	-3.395	-3.388
	I	F"	0.552	0.552	0.552	0.553	0.553	0.553	0.553	0.553	0.553	0.554

ATOMIC SYMBOL = MO ATOMIC NUMBER = 42 K ABSORPTION EDGE (0.61978 Å; 20.0033 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.606	I	F'	-3.056	-3.064	-3.072	-3.080	-3.088	-3.097	-3.105	-3.113	-3.121	-3.130
	I	F"	3.543	3.544	3.545	3.546	3.547	3.548	3.549	3.550	3.551	3.552
0.607	I	F'	-3.138	-3.147	-3.155	-3.164	-3.173	-3.182	-3.191	-3.200	-3.209	-3.218
	I	F"	3.554	3.555	3.556	3.557	3.558	3.559	3.560	3.561	3.562	3.563
0.608	I	F'	-3.227	-3.236	-3.245	-3.255	-3.264	-3.274	-3.283	-3.293	-3.303	-3.313
	I	F"	3.564	3.565	3.567	3.568	3.569	3.570	3.571	3.572	3.573	3.574
0.609	I	F'	-3.323	-3.333	-3.343	-3.353	-3.363	-3.374	-3.384	-3.395	-3.405	-3.416
	I	F"	3.575	3.576	3.577	3.579	3.580	3.581	3.582	3.583	3.584	3.585
0.610	I	F'	-3.427	-3.438	-3.449	-3.461	-3.472	-3.483	-3.495	-3.507	-3.518	-3.530
	I	F"	3.586	3.587	3.588	3.589	3.590	3.592	3.593	3.594	3.595	3.596
0.611	I	F'	-3.542	-3.555	-3.567	-3.579	-3.592	-3.605	-3.618	-3.631	-3.644	-3.657
	I	F"	3.597	3.598	3.599	3.600	3.601	3.603	3.604	3.605	3.606	3.607
0.612	I	F'	-3.671	-3.685	-3.698	-3.712	-3.727	-3.741	-3.756	-3.770	-3.785	-3.801
	I	F"	3.608	3.609	3.610	3.611	3.612	3.613	3.615	3.616	3.617	3.618
0.613	I	F'	-3.816	-3.832	-3.847	-3.863	-3.880	-3.896	-3.913	-3.930	-3.947	-3.965
	I	F"	3.619	3.620	3.621	3.622	3.623	3.624	3.626	3.627	3.628	3.629
0.614	I	F'	-3.983	-4.001	-4.020	-4.038	-4.057	-4.077	-4.097	-4.117	-4.137	-4.158
	I	F"	3.630	3.631	3.632	3.633	3.634	3.635	3.637	3.638	3.639	3.640
0.615	I	F'	-4.180	-4.202	-4.224	-4.246	-4.270	-4.293	-4.317	-4.342	-4.368	-4.393
	I	F"	3.641	3.642	3.643	3.644	3.645	3.647	3.648	3.649	3.650	3.651
0.616	I	F'	-4.420	-4.447	-4.475	-4.504	-4.533	-4.564	-4.595	-4.627	-4.660	-4.694
	I	F"	3.652	3.653	3.654	3.655	3.657	3.658	3.659	3.660	3.661	3.662
0.617	I	F'	-4.730	-4.766	-4.804	-4.843	-4.884	-4.926	-4.970	-5.016	-5.065	-5.115
	I	F"	3.663	3.664	3.665	3.667	3.668	3.669	3.670	3.671	3.672	3.673
0.618	I	F'	-5.168	-5.224	-5.283	-5.345	-5.411	-5.482	-5.558	-5.641	-5.730	-5.827
	I	F"	3.674	3.675	3.677	3.678	3.679	3.680	3.681	3.682	3.683	3.684
0.619	I	F'	-5.935	-6.055	-6.192	-6.349	-6.535	-6.762	-7.056	-7.470	-8.182	-11.833
	I	F"	3.685	3.687	3.688	3.689	3.690	3.691	3.692	3.693	3.694	0.536
0.620	I	F'	-8.123	-7.443	-7.042	-6.757	-6.536	-6.355	-6.203	-6.071	-5.955	-5.851
	I	F"	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.538	0.538	0.538
0.621	I	F'	-5.757	-5.671	-5.592	-5.519	-5.451	-5.388	-5.329	-5.273	-5.220	-5.170
	I	F"	0.538	0.538	0.538	0.539	0.539	0.539	0.539	0.539	0.539	0.540
0.622	I	F'	-5.122	-5.077	-5.033	-4.992	-4.952	-4.914	-4.877	-4.842	-4.808	-4.775
	I	F"	0.540	0.540	0.540	0.540	0.540	0.541	0.541	0.541	0.541	0.541
0.623	I	F'	-4.744	-4.713	-4.683	-4.655	-4.627	-4.599	-4.573	-4.548	-4.523	-4.498
	I	F"	0.541	0.541	0.542	0.542	0.542	0.542	0.542	0.542	0.543	0.543
0.624	I	F'	-4.475	-4.452	-4.429	-4.407	-4.386	-4.365	-4.344	-4.324	-4.304	-4.285
	I	F"	0.543	0.543	0.543	0.543	0.544	0.544	0.544	0.544	0.544	0.544
0.625	I	F'	-4.266	-4.248	-4.230	-4.212	-4.195	-4.178	-4.161	-4.145	-4.128	-4.113
	I	F"	0.544	0.545	0.545	0.545	0.545	0.545	0.545	0.546	0.546	0.546
0.626	I	F'	-4.097	-4.082	-4.067	-4.052	-4.037	-4.023	-4.009	-3.995	-3.981	-3.968
	I	F"	0.546	0.546	0.546	0.547	0.547	0.547	0.547	0.547	0.547	0.548
0.627	I	F'	-3.955	-3.941	-3.929	-3.916	-3.903	-3.891	-3.879	-3.867	-3.855	-3.843
	I	F"	0.548	0.548	0.548	0.548	0.548	0.548	0.549	0.549	0.549	0.549
0.628	I	F'	-3.832	-3.820	-3.809	-3.798	-3.787	-3.776	-3.766	-3.755	-3.745	-3.734
	I	F"	0.549	0.549	0.550	0.550	0.550	0.550	0.550	0.550	0.551	0.551
0.629	I	F'	-3.724	-3.714	-3.704	-3.694	-3.685	-3.675	-3.665	-3.656	-3.647	-3.637
	I	F"	0.551	0.551	0.551	0.551	0.552	0.552	0.552	0.552	0.552	0.552
0.630	I	F'	-3.628	-3.619	-3.610	-3.602	-3.593	-3.584	-3.576	-3.567	-3.559	-3.550
	I	F"	0.552	0.553	0.553	0.553	0.553	0.553	0.553	0.554	0.554	0.554
0.631	I	F'	-3.542	-3.534	-3.526	-3.518	-3.510	-3.502	-3.494	-3.487	-3.479	-3.471
	I	F"	0.554	0.554	0.554	0.555	0.555	0.555	0.555	0.555	0.555	0.556
0.632	I	F'	-3.464	-3.456	-3.449	-3.442	-3.435	-3.427	-3.420	-3.413	-3.406	-3.399
	I	F"	0.556	0.556	0.556	0.556	0.556	0.556	0.557	0.557	0.557	0.557
0.633	I	F'	-3.392	-3.385	-3.379	-3.372	-3.365	-3.359	-3.352	-3.346	-3.339	-3.333
	I	F"	0.557	0.557	0.558	0.558	0.558	0.558	0.558	0.558	0.559	0.559

ATOMIC SYMBOL = TC ATOMIC NUMBER = 43 K ABSORPTION EDGE (0.58906 Å; 21.0465 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.575	I	F'	-2.985	-2.993	-3.001	-3.009	-3.017	-3.025	-3.033	-3.041	-3.049	-3.057
	I	F"	3.518	3.519	3.520	3.521	3.522	3.523	3.525	3.526	3.527	3.528
0.576	I	F'	-3.066	-3.074	-3.083	-3.091	-3.100	-3.108	-3.117	-3.126	-3.134	-3.143
	I	F"	3.529	3.530	3.531	3.532	3.534	3.535	3.536	3.537	3.538	3.539
0.577	I	F'	-3.152	-3.161	-3.170	-3.179	-3.189	-3.198	-3.207	-3.217	-3.226	-3.236
	I	F"	3.540	3.541	3.542	3.544	3.545	3.546	3.547	3.548	3.549	3.550
0.578	I	F'	-3.246	-3.256	-3.265	-3.275	-3.285	-3.296	-3.306	-3.316	-3.327	-3.337
	I	F"	3.551	3.553	3.554	3.555	3.556	3.557	3.558	3.559	3.560	3.562
0.579	I	F'	-3.348	-3.358	-3.369	-3.380	-3.391	-3.402	-3.414	-3.425	-3.436	-3.448
	I	F"	3.563	3.564	3.565	3.566	3.567	3.568	3.569	3.571	3.572	3.573
0.580	I	F'	-3.460	-3.472	-3.484	-3.496	-3.508	-3.520	-3.533	-3.545	-3.558	-3.571
	I	F"	3.574	3.575	3.576	3.577	3.579	3.580	3.581	3.582	3.583	3.584
0.581	I	F'	-3.584	-3.598	-3.611	-3.625	-3.638	-3.652	-3.666	-3.681	-3.695	-3.710
	I	F"	3.585	3.586	3.588	3.589	3.590	3.591	3.592	3.593	3.594	3.596
0.582	I	F'	-3.724	-3.739	-3.755	-3.770	-3.786	-3.802	-3.818	-3.834	-3.851	-3.868
	I	F"	3.597	3.598	3.599	3.600	3.601	3.602	3.604	3.605	3.606	3.607
0.583	I	F'	-3.885	-3.902	-3.920	-3.938	-3.956	-3.975	-3.994	-4.013	-4.033	-4.053
	I	F"	3.608	3.609	3.610	3.611	3.613	3.614	3.615	3.616	3.617	3.618
0.584	I	F'	-4.073	-4.094	-4.115	-4.136	-4.158	-4.181	-4.204	-4.227	-4.251	-4.275
	I	F"	3.619	3.621	3.622	3.623	3.624	3.625	3.626	3.628	3.629	3.630
0.585	I	F'	-4.300	-4.326	-4.352	-4.379	-4.407	-4.435	-4.464	-4.494	-4.525	-4.556
	I	F"	3.631	3.632	3.633	3.634	3.636	3.637	3.638	3.639	3.640	3.641
0.586	I	F'	-4.589	-4.622	-4.657	-4.693	-4.730	-4.769	-4.809	-4.850	-4.894	-4.939
	I	F"	3.642	3.644	3.645	3.646	3.647	3.648	3.649	3.651	3.652	3.653
0.587	I	F'	-4.986	-5.035	-5.087	-5.142	-5.199	-5.260	-5.325	-5.394	-5.468	-5.547
	I	F"	3.654	3.655	3.656	3.657	3.659	3.660	3.661	3.662	3.663	3.664
0.588	I	F'	-5.634	-5.728	-5.832	-5.947	-6.077	-6.226	-6.401	-6.611	-6.878	-7.242
	I	F"	3.666	3.667	3.668	3.669	3.670	3.671	3.672	3.674	3.675	3.676
0.589	I	F'	-7.816	-9.298	-8.414	-7.536	-7.078	-6.766	-6.530	-6.340	-6.180	-6.043
	I	F"	3.677	3.678	0.540	0.540	0.540	0.541	0.541	0.541	0.541	0.541
0.590	I	F'	-5.923	-5.816	-5.720	-5.632	-5.552	-5.478	-5.409	-5.345	-5.285	-5.228
	I	F"	0.541	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.543	0.543
0.591	I	F'	-5.175	-5.124	-5.076	-5.030	-4.987	-4.945	-4.905	-4.867	-4.830	-4.794
	I	F"	0.543	0.543	0.543	0.544	0.544	0.544	0.544	0.544	0.544	0.545
0.592	I	F'	-4.760	-4.727	-4.696	-4.665	-4.635	-4.606	-4.578	-4.551	-4.525	-4.499
	I	F"	0.545	0.545	0.545	0.545	0.545	0.546	0.546	0.546	0.546	0.546
0.593	I	F'	-4.474	-4.450	-4.426	-4.403	-4.380	-4.358	-4.337	-4.316	-4.296	-4.276
	I	F"	0.546	0.547	0.547	0.547	0.547	0.547	0.547	0.548	0.548	0.548
0.594	I	F'	-4.256	-4.237	-4.218	-4.200	-4.182	-4.164	-4.147	-4.130	-4.113	-4.096
	I	F"	0.548	0.548	0.548	0.549	0.549	0.549	0.549	0.549	0.549	0.550
0.595	I	F'	-4.080	-4.065	-4.049	-4.034	-4.019	-4.004	-3.989	-3.975	-3.961	-3.947
	I	F"	0.550	0.550	0.550	0.550	0.550	0.551	0.551	0.551	0.551	0.551
0.596	I	F'	-3.934	-3.920	-3.907	-3.894	-3.881	-3.869	-3.856	-3.844	-3.832	-3.820
	I	F"	0.551	0.552	0.552	0.552	0.552	0.552	0.552	0.553	0.553	0.553
0.597	I	F'	-3.808	-3.796	-3.785	-3.773	-3.762	-3.751	-3.740	-3.730	-3.719	-3.708
	I	F"	0.553	0.553	0.554	0.554	0.554	0.554	0.554	0.554	0.555	0.555
0.598	I	F'	-3.698	-3.688	-3.678	-3.668	-3.658	-3.648	-3.638	-3.629	-3.619	-3.610
	I	F"	0.555	0.555	0.555	0.555	0.556	0.556	0.556	0.556	0.556	0.556
0.599	I	F'	-3.601	-3.591	-3.582	-3.573	-3.564	-3.556	-3.547	-3.538	-3.530	-3.521
	I	F"	0.557	0.557	0.557	0.557	0.557	0.557	0.558	0.558	0.558	0.558
0.600	I	F'	-3.513	-3.505	-3.497	-3.489	-3.481	-3.473	-3.465	-3.457	-3.449	-3.441
	I	F"	0.558	0.558	0.559	0.559	0.559	0.559	0.559	0.559	0.560	0.560
0.601	I	F'	-3.434	-3.426	-3.419	-3.412	-3.404	-3.397	-3.390	-3.383	-3.376	-3.369
	I	F"	0.560	0.560	0.560	0.560	0.561	0.561	0.561	0.561	0.561	0.561
0.602	I	F'	-3.362	-3.355	-3.348	-3.341	-3.334	-3.328	-3.321	-3.314	-3.308	-3.301
	I	F"	0.562	0.562	0.562	0.562	0.562	0.563	0.563	0.563	0.563	0.563

ATOMIC SYMBOL = RU ATOMIC NUMBER = 44 K ABSORPTION EDGE (0.56051 Å; 22.1185 KEV)

		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.547	F'	-2.980	-2.988	-2.996	-3.004	-3.013	-3.021	-3.029	-3.038	-3.046	-3.055
	F"	3.503	3.504	3.505	3.506	3.508	3.509	3.510	3.511	3.512	3.513
0.548	F'	-3.064	-3.072	-3.081	-3.090	-3.099	-3.108	-3.117	-3.126	-3.135	-3.144
	F"	3.515	3.516	3.517	3.518	3.519	3.520	3.522	3.523	3.524	3.525
0.549	F'	-3.154	-3.163	-3.172	-3.182	-3.192	-3.201	-3.211	-3.221	-3.231	-3.241
	F"	3.526	3.527	3.529	3.530	3.531	3.532	3.533	3.534	3.536	3.537
0.550	F'	-3.251	-3.262	-3.272	-3.283	-3.293	-3.304	-3.314	-3.325	-3.336	-3.347
	F"	3.538	3.539	3.540	3.541	3.543	3.544	3.545	3.546	3.547	3.549
0.551	F'	-3.359	-3.370	-3.381	-3.393	-3.405	-3.416	-3.428	-3.440	-3.452	-3.465
	F"	3.550	3.551	3.552	3.553	3.554	3.556	3.557	3.558	3.559	3.560
0.552	F'	-3.477	-3.490	-3.502	-3.515	-3.528	-3.541	-3.555	-3.568	-3.582	-3.596
	F"	3.562	3.563	3.564	3.565	3.566	3.567	3.569	3.570	3.571	3.572
0.553	F'	-3.610	-3.624	-3.638	-3.653	-3.668	-3.683	-3.698	-3.713	-3.729	-3.744
	F"	3.573	3.575	3.576	3.577	3.578	3.579	3.581	3.582	3.583	3.584
0.554	F'	-3.760	-3.777	-3.793	-3.810	-3.827	-3.844	-3.862	-3.880	-3.898	-3.916
	F"	3.585	3.587	3.588	3.589	3.590	3.591	3.592	3.594	3.595	3.596
0.555	F'	-3.935	-3.954	-3.974	-3.994	-4.014	-4.034	-4.055	-4.077	-4.099	-4.121
	F"	3.597	3.598	3.600	3.601	3.602	3.603	3.604	3.606	3.607	3.608
0.556	F'	-4.144	-4.167	-4.190	-4.215	-4.240	-4.265	-4.291	-4.318	-4.345	-4.373
	F"	3.609	3.610	3.612	3.613	3.614	3.615	3.616	3.618	3.619	3.620
0.557	F'	-4.402	-4.432	-4.462	-4.493	-4.526	-4.559	-4.594	-4.629	-4.666	-4.704
	F"	3.621	3.622	3.624	3.625	3.626	3.627	3.629	3.630	3.631	3.632
0.558	F'	-4.744	-4.785	-4.828	-4.872	-4.919	-4.968	-5.019	-5.073	-5.130	-5.190
	F"	3.633	3.635	3.636	3.637	3.638	3.639	3.641	3.642	3.643	3.644
0.559	F'	-5.254	-5.322	-5.395	-5.473	-5.558	-5.651	-5.752	-5.865	-5.993	-6.138
	F"	3.645	3.647	3.648	3.649	3.650	3.652	3.653	3.654	3.655	3.656
0.560	F'	-6.308	-6.512	-6.768	-7.112	-7.642	-8.840	-8.544	-7.544	-7.058	-6.734
	F"	3.658	3.659	3.660	3.661	3.663	3.664	0.544	0.544	0.544	0.544
0.561	F'	-6.491	-6.297	-6.135	-5.996	-5.875	-5.767	-5.670	-5.582	-5.501	-5.427
	F"	0.544	0.544	0.545	0.545	0.545	0.545	0.545	0.546	0.546	0.546
0.562	F'	-5.357	-5.293	-5.233	-5.176	-5.123	-5.072	-5.024	-4.978	-4.935	-4.893
	F"	0.546	0.546	0.546	0.547	0.547	0.547	0.547	0.547	0.547	0.548
0.563	F'	-4.853	-4.815	-4.778	-4.743	-4.709	-4.676	-4.644	-4.613	-4.584	-4.555
	F"	0.548	0.548	0.548	0.548	0.549	0.549	0.549	0.549	0.549	0.549
0.564	F'	-4.527	-4.500	-4.474	-4.448	-4.423	-4.399	-4.375	-4.352	-4.330	-4.308
	F"	0.550	0.550	0.550	0.550	0.550	0.551	0.551	0.551	0.551	0.551
0.565	F'	-4.287	-4.266	-4.246	-4.226	-4.206	-4.187	-4.168	-4.150	-4.132	-4.115
	F"	0.551	0.552	0.552	0.552	0.552	0.552	0.552	0.553	0.553	0.553
0.566	F'	-4.097	-4.080	-4.064	-4.047	-4.031	-4.016	-4.000	-3.985	-3.970	-3.955
	F"	0.553	0.553	0.554	0.554	0.554	0.554	0.554	0.554	0.555	0.555
0.567	F'	-3.941	-3.927	-3.913	-3.899	-3.886	-3.872	-3.859	-3.846	-3.833	-3.821
	F"	0.555	0.555	0.555	0.556	0.556	0.556	0.556	0.556	0.556	0.557
0.568	F'	-3.808	-3.796	-3.784	-3.772	-3.761	-3.749	-3.738	-3.726	-3.715	-3.704
	F"	0.557	0.557	0.557	0.557	0.557	0.558	0.558	0.558	0.558	0.558
0.569	F'	-3.693	-3.683	-3.672	-3.662	-3.651	-3.641	-3.631	-3.621	-3.611	-3.602
	F"	0.559	0.559	0.559	0.559	0.559	0.559	0.560	0.560	0.560	0.560
0.570	F'	-3.592	-3.583	-3.573	-3.564	-3.555	-3.546	-3.537	-3.528	-3.519	-3.510
	F"	0.560	0.561	0.561	0.561	0.561	0.561	0.561	0.562	0.562	0.562
0.571	F'	-3.502	-3.493	-3.485	-3.476	-3.468	-3.460	-3.452	-3.444	-3.436	-3.428
	F"	0.562	0.562	0.563	0.563	0.563	0.563	0.563	0.563	0.564	0.564
0.572	F'	-3.420	-3.412	-3.404	-3.397	-3.389	-3.382	-3.374	-3.367	-3.360	-3.353
	F"	0.564	0.564	0.564	0.565	0.565	0.565	0.565	0.565	0.565	0.566
0.573	F'	-3.346	-3.338	-3.331	-3.324	-3.318	-3.311	-3.304	-3.297	-3.291	-3.284
	F"	0.566	0.566	0.566	0.566	0.566	0.567	0.567	0.567	0.567	0.567
0.574	F'	-3.277	-3.271	-3.264	-3.258	-3.252	-3.245	-3.239	-3.233	-3.227	-3.220
	F"	0.568	0.568	0.568	0.568	0.568	0.568	0.569	0.569	0.569	0.569

ATOMIC SYMBOL = RH ATOMIC NUMBER = 45 K ABSORPTION EDGE (0.53395 Å; 23.2187 KEV)

		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.520	F'	-2.903	-2.911	-2.919	-2.927	-2.935	-2.943	-2.951	-2.959	-2.968	-2.976
	F"	3.477	3.478	3.479	3.480	3.482	3.483	3.484	3.485	3.487	3.488
0.521	F'	-2.984	-2.993	-3.001	-3.010	-3.018	-3.027	-3.035	-3.044	-3.053	-3.062
	F"	3.489	3.490	3.491	3.493	3.494	3.495	3.496	3.497	3.499	3.500
0.522	F'	-3.071	-3.080	-3.089	-3.099	-3.108	-3.117	-3.127	-3.136	-3.146	-3.156
	F"	3.501	3.502	3.503	3.505	3.506	3.507	3.508	3.510	3.511	3.512
0.523	F'	-3.165	-3.175	-3.185	-3.195	-3.205	-3.216	-3.226	-3.236	-3.247	-3.258
	F"	3.513	3.514	3.516	3.517	3.518	3.519	3.520	3.522	3.523	3.524
0.524	F'	-3.268	-3.279	-3.290	-3.301	-3.312	-3.323	-3.335	-3.346	-3.358	-3.370
	F"	3.525	3.527	3.528	3.529	3.530	3.532	3.533	3.534	3.535	3.536
0.525	F'	-3.382	-3.394	-3.406	-3.418	-3.430	-3.443	-3.456	-3.468	-3.481	-3.495
	F"	3.538	3.539	3.540	3.541	3.543	3.544	3.545	3.546	3.548	3.549
0.526	F'	-3.508	-3.521	-3.535	-3.549	-3.563	-3.577	-3.591	-3.606	-3.620	-3.635
	F"	3.550	3.551	3.552	3.554	3.555	3.556	3.557	3.559	3.560	3.561
0.527	F'	-3.650	-3.666	-3.681	-3.697	-3.713	-3.729	-3.746	-3.763	-3.780	-3.797
	F"	3.562	3.564	3.565	3.566	3.567	3.569	3.570	3.571	3.572	3.574
0.528	F'	-3.814	-3.832	-3.850	-3.869	-3.888	-3.907	-3.926	-3.946	-3.966	-3.987
	F"	3.575	3.576	3.577	3.579	3.580	3.581	3.582	3.584	3.585	3.586
0.529	F'	-4.008	-4.029	-4.051	-4.073	-4.096	-4.119	-4.143	-4.167	-4.192	-4.217
	F"	3.587	3.589	3.590	3.591	3.592	3.594	3.595	3.596	3.597	3.599
0.530	F'	-4.243	-4.270	-4.297	-4.325	-4.354	-4.384	-4.414	-4.446	-4.478	-4.511
	F"	3.600	3.601	3.602	3.604	3.605	3.606	3.607	3.609	3.610	3.611
0.531	F'	-4.546	-4.582	-4.619	-4.657	-4.697	-4.738	-4.781	-4.826	-4.872	-4.921
	F"	3.612	3.614	3.615	3.616	3.617	3.619	3.620	3.621	3.623	3.624
0.532	F'	-4.973	-5.027	-5.084	-5.145	-5.209	-5.278	-5.351	-5.430	-5.516	-5.610
	F"	3.625	3.626	3.628	3.629	3.630	3.631	3.633	3.634	3.635	3.636
0.533	F'	-5.713	-5.828	-5.958	-6.107	-6.281	-6.493	-6.761	-7.129	-7.719	-9.376
	F"	3.638	3.639	3.640	3.642	3.643	3.644	3.645	3.647	3.648	3.649
0.534	F'	-8.175	-7.357	-6.918	-6.616	-6.386	-6.200	-6.044	-5.910	-5.793	-5.688
	F"	0.547	0.547	0.548	0.548	0.548	0.548	0.548	0.548	0.549	0.549
0.535	F'	-5.593	-5.507	-5.428	-5.356	-5.288	-5.225	-5.166	-5.110	-5.058	-5.008
	F"	0.549	0.549	0.549	0.550	0.550	0.550	0.550	0.550	0.551	0.551
0.536	F'	-4.961	-4.916	-4.873	-4.832	-4.792	-4.755	-4.718	-4.684	-4.650	-4.618
	F"	0.551	0.551	0.551	0.551	0.552	0.552	0.552	0.552	0.552	0.553
0.537	F'	-4.586	-4.556	-4.527	-4.498	-4.471	-4.444	-4.418	-4.393	-4.369	-4.345
	F"	0.553	0.553	0.553	0.553	0.554	0.554	0.554	0.554	0.554	0.554
0.538	F'	-4.321	-4.299	-4.277	-4.255	-4.234	-4.213	-4.193	-4.173	-4.154	-4.135
	F"	0.555	0.555	0.555	0.555	0.555	0.556	0.556	0.556	0.556	0.556
0.539	F'	-4.117	-4.099	-4.081	-4.064	-4.046	-4.030	-4.013	-3.997	-3.981	-3.966
	F"	0.557	0.557	0.557	0.557	0.557	0.557	0.558	0.558	0.558	0.558
0.540	F'	-3.951	-3.936	-3.921	-3.906	-3.892	-3.878	-3.864	-3.851	-3.837	-3.824
	F"	0.558	0.559	0.559	0.559	0.559	0.559	0.560	0.560	0.560	0.560
0.541	F'	-3.811	-3.798	-3.786	-3.773	-3.761	-3.749	-3.737	-3.725	-3.714	-3.702
	F"	0.560	0.561	0.561	0.561	0.561	0.561	0.561	0.562	0.562	0.562
0.542	F'	-3.691	-3.680	-3.669	-3.658	-3.647	-3.637	-3.626	-3.616	-3.606	-3.596
	F"	0.562	0.562	0.563	0.563	0.563	0.563	0.563	0.564	0.564	0.564
0.543	F'	-3.586	-3.576	-3.566	-3.556	-3.547	-3.538	-3.528	-3.519	-3.510	-3.501
	F"	0.564	0.564	0.565	0.565	0.565	0.565	0.565	0.565	0.566	0.566
0.544	F'	-3.492	-3.483	-3.475	-3.466	-3.457	-3.449	-3.441	-3.432	-3.424	-3.416
	F"	0.566	0.566	0.566	0.567	0.567	0.567	0.567	0.567	0.568	0.568
0.545	F'	-3.408	-3.400	-3.392	-3.384	-3.377	-3.369	-3.361	-3.354	-3.346	-3.339
	F"	0.568	0.568	0.568	0.568	0.569	0.569	0.569	0.569	0.569	0.570
0.546	F'	-3.332	-3.324	-3.317	-3.310	-3.303	-3.296	-3.289	-3.282	-3.275	-3.269
	F"	0.570	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.571	0.572
0.547	F'	-3.262	-3.255	-3.249	-3.242	-3.236	-3.229	-3.223	-3.216	-3.210	-3.204
	F"	0.572	0.572	0.572	0.572	0.572	0.573	0.573	0.573	0.573	0.573

ATOMIC SYMBOL = PD ATOMIC NUMBER = 46 K ABSORPTION EDGE (0.50920 Å; 24.3473 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.495	I	F'	-2.848	-2.856	-2.863	-2.871	-2.879	-2.887	-2.895	-2.903	-2.911	-2.919
	I	F"	3.454	3.455	3.456	3.458	3.459	3.460	3.461	3.462	3.464	3.465
0.496	I	F'	-2.927	-2.935	-2.943	-2.952	-2.960	-2.969	-2.977	-2.986	-2.994	-3.003
	I	F"	3.466	3.467	3.469	3.470	3.471	3.472	3.473	3.475	3.476	3.477
0.497	I	F'	-3.012	-3.021	-3.030	-3.039	-3.048	-3.057	-3.066	-3.076	-3.085	-3.094
	I	F"	3.478	3.480	3.481	3.482	3.483	3.484	3.486	3.487	3.488	3.489
0.498	I	F'	-3.104	-3.114	-3.123	-3.133	-3.143	-3.153	-3.163	-3.173	-3.183	-3.194
	I	F"	3.491	3.492	3.493	3.494	3.496	3.497	3.498	3.499	3.501	3.502
0.499	I	F'	-3.204	-3.215	-3.225	-3.236	-3.247	-3.258	-3.269	-3.280	-3.291	-3.303
	I	F"	3.503	3.504	3.506	3.507	3.508	3.509	3.510	3.512	3.513	3.514
0.500	I	F'	-3.314	-3.326	-3.338	-3.350	-3.362	-3.374	-3.386	-3.399	-3.411	-3.424
	I	F"	3.515	3.517	3.518	3.519	3.520	3.522	3.523	3.524	3.526	3.527
0.501	I	F'	-3.437	-3.450	-3.463	-3.476	-3.490	-3.504	-3.517	-3.532	-3.546	-3.560
	I	F"	3.528	3.529	3.531	3.532	3.533	3.534	3.536	3.537	3.538	3.539
0.502	I	F'	-3.575	-3.590	-3.605	-3.620	-3.635	-3.651	-3.667	-3.683	-3.699	-3.716
	I	F"	3.541	3.542	3.543	3.544	3.546	3.547	3.548	3.549	3.551	3.552
0.503	I	F'	-3.733	-3.750	-3.767	-3.785	-3.803	-3.821	-3.840	-3.859	-3.878	-3.897
	I	F"	3.553	3.555	3.556	3.557	3.558	3.560	3.561	3.562	3.563	3.565
0.504	I	F'	-3.917	-3.938	-3.959	-3.980	-4.001	-4.023	-4.046	-4.069	-4.092	-4.116
	I	F"	3.566	3.567	3.569	3.570	3.571	3.572	3.574	3.575	3.576	3.578
0.505	I	F'	-4.141	-4.166	-4.192	-4.218	-4.245	-4.273	-4.302	-4.331	-4.361	-4.392
	I	F"	3.579	3.580	3.581	3.583	3.584	3.585	3.587	3.588	3.589	3.590
0.506	I	F'	-4.424	-4.458	-4.492	-4.527	-4.563	-4.601	-4.641	-4.681	-4.724	-4.768
	I	F"	3.592	3.593	3.594	3.596	3.597	3.598	3.599	3.601	3.602	3.603
0.507	I	F'	-4.814	-4.863	-4.914	-4.967	-5.023	-5.083	-5.146	-5.214	-5.286	-5.364
	I	F"	3.605	3.606	3.607	3.609	3.610	3.611	3.612	3.614	3.615	3.616
0.508	I	F'	-5.448	-5.540	-5.642	-5.754	-5.881	-6.025	-6.195	-6.399	-6.656	-7.003
	I	F"	3.618	3.619	3.620	3.622	3.623	3.624	3.626	3.627	3.628	3.629
0.509	I	F'	-7.543	-8.830	-8.299	-7.370	-6.904	-6.591	-6.354	-6.165	-6.006	-5.871
	I	F"	3.631	3.632	0.551	0.551	0.551	0.551	0.551	0.552	0.552	0.552
0.510	I	F'	-5.752	-5.646	-5.551	-5.464	-5.385	-5.312	-5.244	-5.181	-5.122	-5.066
	I	F"	0.552	0.552	0.553	0.553	0.553	0.553	0.553	0.554	0.554	0.554
0.511	I	F'	-5.014	-4.964	-4.916	-4.872	-4.829	-4.788	-4.748	-4.711	-4.675	-4.640
	I	F"	0.554	0.554	0.555	0.555	0.555	0.555	0.555	0.556	0.556	0.556
0.512	I	F'	-4.606	-4.574	-4.543	-4.513	-4.484	-4.455	-4.428	-4.401	-4.375	-4.350
	I	F"	0.556	0.556	0.557	0.557	0.557	0.557	0.557	0.558	0.558	0.558
0.513	I	F'	-4.326	-4.302	-4.279	-4.256	-4.234	-4.213	-4.192	-4.171	-4.151	-4.131
	I	F"	0.558	0.558	0.559	0.559	0.559	0.559	0.559	0.560	0.560	0.560
0.514	I	F'	-4.112	-4.093	-4.075	-4.057	-4.039	-4.022	-4.005	-3.989	-3.972	-3.956
	I	F"	0.560	0.560	0.561	0.561	0.561	0.561	0.561	0.562	0.562	0.562
0.515	I	F'	-3.940	-3.925	-3.910	-3.895	-3.880	-3.866	-3.852	-3.838	-3.824	-3.810
	I	F"	0.562	0.562	0.563	0.563	0.563	0.563	0.563	0.564	0.564	0.564
0.516	I	F'	-3.797	-3.784	-3.771	-3.758	-3.746	-3.733	-3.721	-3.709	-3.697	-3.686
	I	F"	0.564	0.564	0.565	0.565	0.565	0.565	0.565	0.566	0.566	0.566
0.517	I	F'	-3.674	-3.663	-3.652	-3.640	-3.630	-3.619	-3.608	-3.598	-3.587	-3.577
	I	F"	0.566	0.566	0.567	0.567	0.567	0.567	0.567	0.568	0.568	0.568
0.518	I	F'	-3.567	-3.557	-3.547	-3.537	-3.528	-3.518	-3.509	-3.499	-3.490	-3.481
	I	F"	0.568	0.568	0.569	0.569	0.569	0.569	0.569	0.570	0.570	0.570
0.519	I	F'	-3.472	-3.463	-3.454	-3.445	-3.437	-3.428	-3.420	-3.411	-3.403	-3.395
	I	F"	0.570	0.570	0.571	0.571	0.571	0.571	0.571	0.572	0.572	0.572
0.520	I	F'	-3.387	-3.378	-3.370	-3.363	-3.355	-3.347	-3.339	-3.332	-3.324	-3.317
	I	F"	0.572	0.572	0.573	0.573	0.573	0.573	0.573	0.574	0.574	0.574
0.521	I	F'	-3.309	-3.302	-3.295	-3.287	-3.280	-3.273	-3.266	-3.259	-3.252	-3.246
	I	F"	0.574	0.574	0.575	0.575	0.575	0.575	0.575	0.576	0.576	0.576
0.522	I	F'	-3.239	-3.232	-3.225	-3.219	-3.212	-3.206	-3.199	-3.193	-3.187	-3.180
	I	F"	0.576	0.576	0.577	0.577	0.577	0.577	0.577	0.578	0.578	0.578

ATOMIC SYMBOL = AG ATOMIC NUMBER = 47 K ABSORPTION EDGE (0.48589 Å; 25.5153 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.472	I	F'	-2.840	-2.848	-2.855	-2.863	-2.871	-2.879	-2.886	-2.894	-2.902	-2.910
	I	F"	3.425	3.426	3.427	3.429	3.430	3.431	3.432	3.434	3.435	3.436
0.473	I	F'	-2.918	-2.926	-2.934	-2.943	-2.951	-2.959	-2.968	-2.976	-2.985	-2.994
	I	F"	3.437	3.439	3.440	3.441	3.442	3.444	3.445	3.446	3.447	3.449
0.474	I	F'	-3.002	-3.011	-3.020	-3.029	-3.038	-3.047	-3.056	-3.065	-3.075	-3.084
	I	F"	3.450	3.451	3.452	3.454	3.455	3.456	3.457	3.459	3.460	3.461
0.475	I	F'	-3.094	-3.103	-3.113	-3.123	-3.132	-3.142	-3.152	-3.163	-3.173	-3.183
	I	F"	3.463	3.464	3.465	3.466	3.468	3.469	3.470	3.472	3.473	3.474
0.476	I	F'	-3.194	-3.204	-3.215	-3.225	-3.236	-3.247	-3.258	-3.270	-3.281	-3.292
	I	F"	3.476	3.477	3.478	3.480	3.481	3.482	3.484	3.485	3.486	3.488
0.477	I	F'	-3.304	-3.316	-3.327	-3.339	-3.352	-3.364	-3.376	-3.389	-3.401	-3.414
	I	F"	3.489	3.490	3.492	3.493	3.494	3.496	3.497	3.498	3.500	3.501
0.478	I	F'	-3.427	-3.440	-3.454	-3.467	-3.481	-3.495	-3.509	-3.523	-3.537	-3.552
	I	F"	3.502	3.504	3.505	3.507	3.508	3.509	3.511	3.512	3.514	3.515
0.479	I	F'	-3.567	-3.582	-3.597	-3.613	-3.628	-3.644	-3.661	-3.677	-3.694	-3.711
	I	F"	3.516	3.518	3.519	3.520	3.522	3.523	3.525	3.526	3.528	3.529
0.480	I	F'	-3.728	-3.745	-3.763	-3.781	-3.800	-3.819	-3.838	-3.857	-3.877	-3.897
	I	F"	3.530	3.532	3.533	3.535	3.536	3.537	3.539	3.540	3.542	3.543
0.481	I	F'	-3.918	-3.939	-3.960	-3.982	-4.005	-4.028	-4.051	-4.075	-4.100	-4.125
	I	F"	3.545	3.546	3.548	3.549	3.551	3.552	3.553	3.555	3.556	3.558
0.482	I	F'	-4.150	-4.177	-4.204	-4.231	-4.260	-4.289	-4.319	-4.350	-4.383	-4.416
	I	F"	3.559	3.561	3.562	3.564	3.565	3.567	3.568	3.570	3.571	3.573
0.483	I	F'	-4.450	-4.485	-4.522	-4.559	-4.599	-4.640	-4.682	-4.727	-4.773	-4.822
	I	F"	3.574	3.576	3.577	3.579	3.580	3.582	3.583	3.585	3.586	3.588
0.484	I	F'	-4.873	-4.927	-4.984	-5.044	-5.108	-5.176	-5.249	-5.328	-5.413	-5.506
	I	F"	3.589	3.591	3.592	3.594	3.595	3.597	3.598	3.600	3.602	3.603
0.485	I	F'	-5.609	-5.724	-5.854	-6.003	-6.178	-6.390	-6.661	-7.036	-7.649	-9.630
	I	F"	3.605	3.606	3.608	3.609	3.611	3.612	3.614	3.616	3.617	3.619
0.486	I	F'	-7.940	-7.184	-6.766	-6.475	-6.252	-6.071	-5.919	-5.788	-5.673	-5.571
	I	F"	0.554	0.554	0.554	0.555	0.555	0.555	0.555	0.555	0.556	0.556
0.487	I	F'	-5.478	-5.394	-5.317	-5.245	-5.179	-5.117	-5.059	-5.005	-4.953	-4.904
	I	F"	0.556	0.556	0.557	0.557	0.557	0.557	0.557	0.558	0.558	0.558
0.488	I	F'	-4.858	-4.813	-4.771	-4.731	-4.692	-4.655	-4.620	-4.586	-4.553	-4.521
	I	F"	0.558	0.558	0.559	0.559	0.559	0.559	0.559	0.560	0.560	0.560
0.489	I	F'	-4.490	-4.460	-4.431	-4.404	-4.377	-4.350	-4.325	-4.300	-4.276	-4.252
	I	F"	0.560	0.560	0.561	0.561	0.561	0.561	0.562	0.562	0.562	0.562
0.490	I	F'	-4.229	-4.207	-4.185	-4.164	-4.143	-4.123	-4.103	-4.084	-4.065	-4.046
	I	F"	0.562	0.563	0.563	0.563	0.563	0.563	0.564	0.564	0.564	0.564
0.491	I	F'	-4.028	-4.011	-3.993	-3.976	-3.959	-3.943	-3.927	-3.911	-3.895	-3.880
	I	F"	0.564	0.565	0.565	0.565	0.565	0.566	0.566	0.566	0.566	0.566
0.492	I	F'	-3.865	-3.850	-3.836	-3.821	-3.807	-3.794	-3.780	-3.767	-3.753	-3.741
	I	F"	0.567	0.567	0.567	0.567	0.567	0.568	0.568	0.568	0.568	0.568
0.493	I	F'	-3.728	-3.715	-3.703	-3.691	-3.679	-3.667	-3.655	-3.643	-3.632	-3.621
	I	F"	0.569	0.569	0.569	0.569	0.570	0.570	0.570	0.570	0.570	0.571
0.494	I	F'	-3.610	-3.599	-3.588	-3.577	-3.567	-3.556	-3.546	-3.536	-3.526	-3.516
	I	F"	0.571	0.571	0.571	0.571	0.572	0.572	0.572	0.572	0.572	0.573
0.495	I	F'	-3.506	-3.497	-3.487	-3.478	-3.468	-3.459	-3.450	-3.441	-3.432	-3.423
	I	F"	0.573	0.573	0.573	0.574	0.574	0.574	0.574	0.574	0.575	0.575
0.496	I	F'	-3.414	-3.406	-3.397	-3.389	-3.380	-3.372	-3.364	-3.356	-3.348	-3.340
	I	F"	0.575	0.575	0.575	0.576	0.576	0.576	0.576	0.576	0.577	0.577
0.497	I	F'	-3.332	-3.324	-3.316	-3.308	-3.301	-3.293	-3.286	-3.279	-3.271	-3.264
	I	F"	0.577	0.577	0.578	0.578	0.578	0.578	0.578	0.579	0.579	0.579
0.498	I	F'	-3.257	-3.250	-3.243	-3.236	-3.229	-3.222	-3.215	-3.208	-3.201	-3.195
	I	F"	0.579	0.579	0.580	0.580	0.580	0.580	0.581	0.581	0.581	0.581
0.499	I	F'	-3.188	-3.182	-3.175	-3.169	-3.162	-3.156	-3.150	-3.144	-3.137	-3.131
	I	F"	0.581	0.582	0.582	0.582	0.582	0.582	0.583	0.583	0.583	0.583

ATOMIC SYMBOL = CD ATOMIC NUMBER = 48 K ABSORPTION EDGE (0.46407 Å; 26.7150 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.450	I	F'	-2.763	-2.771	-2.779	-2.786	-2.794	-2.802	-2.810	-2.818	-2.826	-2.834
	I	F"	3.413	3.414	3.415	3.417	3.418	3.419	3.421	3.422	3.423	3.425
0.451	I	F'	-2.842	-2.850	-2.858	-2.867	-2.875	-2.884	-2.892	-2.901	-2.909	-2.918
	I	F"	3.426	3.427	3.428	3.430	3.431	3.432	3.434	3.435	3.436	3.438
0.452	I	F'	-2.927	-2.936	-2.945	-2.954	-2.963	-2.972	-2.981	-2.990	-3.000	-3.009
	I	F"	3.439	3.440	3.442	3.443	3.444	3.445	3.447	3.448	3.449	3.451
0.453	I	F'	-3.018	-3.028	-3.038	-3.048	-3.057	-3.067	-3.077	-3.087	-3.098	-3.108
	I	F"	3.452	3.453	3.455	3.456	3.457	3.459	3.460	3.461	3.463	3.464
0.454	I	F'	-3.118	-3.129	-3.139	-3.150	-3.161	-3.172	-3.183	-3.194	-3.205	-3.217
	I	F"	3.465	3.466	3.468	3.469	3.470	3.472	3.473	3.474	3.476	3.477
0.455	I	F'	-3.228	-3.240	-3.251	-3.263	-3.275	-3.287	-3.300	-3.312	-3.324	-3.337
	I	F"	3.478	3.480	3.481	3.482	3.484	3.485	3.486	3.488	3.489	3.490
0.456	I	F'	-3.350	-3.363	-3.376	-3.389	-3.403	-3.416	-3.430	-3.444	-3.458	-3.472
	I	F"	3.492	3.493	3.494	3.496	3.497	3.498	3.500	3.501	3.502	3.503
0.457	I	F'	-3.487	-3.502	-3.517	-3.532	-3.547	-3.562	-3.578	-3.594	-3.610	-3.627
	I	F"	3.505	3.506	3.507	3.509	3.510	3.511	3.513	3.514	3.515	3.517
0.458	I	F'	-3.644	-3.661	-3.678	-3.696	-3.713	-3.732	-3.750	-3.769	-3.788	-3.807
	I	F"	3.518	3.519	3.521	3.522	3.523	3.525	3.526	3.527	3.529	3.530
0.459	I	F'	-3.827	-3.847	-3.868	-3.889	-3.910	-3.932	-3.955	-3.977	-4.001	-4.024
	I	F"	3.531	3.533	3.534	3.535	3.537	3.538	3.539	3.541	3.542	3.543
0.460	I	F'	-4.049	-4.074	-4.099	-4.125	-4.152	-4.180	-4.208	-4.237	-4.267	-4.298
	I	F"	3.545	3.546	3.547	3.549	3.550	3.551	3.553	3.554	3.555	3.557
0.461	I	F'	-4.330	-4.362	-4.396	-4.431	-4.467	-4.505	-4.544	-4.584	-4.626	-4.670
	I	F"	3.558	3.559	3.561	3.562	3.563	3.565	3.566	3.567	3.569	3.570
0.462	I	F'	-4.716	-4.763	-4.814	-4.867	-4.922	-4.981	-5.044	-5.111	-5.182	-5.259
	I	F"	3.571	3.573	3.574	3.576	3.577	3.578	3.580	3.581	3.582	3.584
0.463	I	F'	-5.343	-5.434	-5.534	-5.645	-5.770	-5.913	-6.081	-6.283	-6.537	-6.881
	I	F"	3.585	3.586	3.588	3.589	3.590	3.592	3.593	3.594	3.596	3.597
0.464	I	F'	-7.416	-8.699	-8.149	-7.238	-6.780	-6.471	-6.238	-6.051	-5.895	-5.761
	I	F"	3.598	3.600	0.557	0.557	0.558	0.558	0.558	0.558	0.558	0.559
0.465	I	F'	-5.644	-5.539	-5.446	-5.360	-5.282	-5.210	-5.144	-5.081	-5.023	-4.968
	I	F"	0.559	0.559	0.559	0.560	0.560	0.560	0.560	0.560	0.561	0.561
0.466	I	F'	-4.916	-4.867	-4.820	-4.776	-4.734	-4.694	-4.655	-4.618	-4.582	-4.548
	I	F"	0.561	0.561	0.562	0.562	0.562	0.562	0.562	0.563	0.563	0.563
0.467	I	F'	-4.515	-4.483	-4.452	-4.423	-4.394	-4.366	-4.339	-4.313	-4.287	-4.263
	I	F"	0.563	0.564	0.564	0.564	0.564	0.564	0.565	0.565	0.565	0.565
0.468	I	F'	-4.239	-4.215	-4.192	-4.170	-4.148	-4.127	-4.106	-4.086	-4.067	-4.047
	I	F"	0.566	0.566	0.566	0.566	0.566	0.567	0.567	0.567	0.567	0.568
0.469	I	F'	-4.028	-4.010	-3.992	-3.974	-3.957	-3.940	-3.923	-3.907	-3.891	-3.875
	I	F"	0.568	0.568	0.568	0.568	0.569	0.569	0.569	0.569	0.570	0.570
0.470	I	F'	-3.859	-3.844	-3.829	-3.814	-3.800	-3.786	-3.772	-3.758	-3.745	-3.731
	I	F"	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.572	0.572	0.572
0.471	I	F'	-3.718	-3.705	-3.693	-3.680	-3.668	-3.656	-3.644	-3.632	-3.620	-3.609
	I	F"	0.572	0.572	0.573	0.573	0.573	0.573	0.574	0.574	0.574	0.574
0.472	I	F'	-3.597	-3.586	-3.575	-3.564	-3.554	-3.543	-3.533	-3.522	-3.512	-3.502
	I	F"	0.574	0.575	0.575	0.575	0.575	0.576	0.576	0.576	0.576	0.576
0.473	I	F'	-3.492	-3.482	-3.472	-3.463	-3.453	-3.444	-3.435	-3.426	-3.416	-3.408
	I	F"	0.577	0.577	0.577	0.577	0.578	0.578	0.578	0.578	0.578	0.579
0.474	I	F'	-3.399	-3.390	-3.381	-3.373	-3.364	-3.356	-3.347	-3.339	-3.331	-3.323
	I	F"	0.579	0.579	0.579	0.580	0.580	0.580	0.580	0.580	0.581	0.581
0.475	I	F'	-3.315	-3.307	-3.299	-3.291	-3.284	-3.276	-3.269	-3.261	-3.254	-3.246
	I	F"	0.581	0.581	0.582	0.582	0.582	0.582	0.582	0.583	0.583	0.583
0.476	I	F'	-3.239	-3.232	-3.225	-3.218	-3.211	-3.204	-3.197	-3.190	-3.183	-3.176
	I	F"	0.583	0.584	0.584	0.584	0.584	0.584	0.585	0.585	0.585	0.585
0.477	I	F'	-3.170	-3.163	-3.157	-3.150	-3.144	-3.137	-3.131	-3.125	-3.119	-3.112
	I	F"	0.586	0.586	0.586	0.586	0.586	0.587	0.587	0.587	0.587	0.588

ATOMIC SYMBOL = IN ATOMIC NUMBER = 49 K ABSORPTION EDGE (0.44371 Å; 27.9409 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.430	I	F'	-2.761	-2.769	-2.777	-2.785	-2.793	-2.801	-2.809	-2.817	-2.826	-2.834
	I	F"	3.397	3.398	3.400	3.401	3.402	3.404	3.405	3.406	3.408	3.409
0.431	I	F'	-2.842	-2.851	-2.859	-2.868	-2.876	-2.885	-2.894	-2.903	-2.911	-2.920
	I	F"	3.410	3.411	3.413	3.414	3.415	3.417	3.418	3.419	3.421	3.422
0.432	I	F'	-2.929	-2.939	-2.948	-2.957	-2.966	-2.976	-2.985	-2.995	-3.004	-3.014
	I	F"	3.423	3.425	3.426	3.427	3.429	3.430	3.431	3.433	3.434	3.435
0.433	I	F'	-3.024	-3.034	-3.044	-3.054	-3.064	-3.074	-3.085	-3.095	-3.106	-3.116
	I	F"	3.437	3.438	3.439	3.441	3.442	3.443	3.445	3.446	3.447	3.449
0.434	I	F'	-3.127	-3.138	-3.149	-3.160	-3.171	-3.182	-3.194	-3.205	-3.217	-3.229
	I	F"	3.450	3.451	3.453	3.454	3.455	3.457	3.458	3.459	3.461	3.462
0.435	I	F'	-3.241	-3.253	-3.265	-3.277	-3.290	-3.303	-3.315	-3.328	-3.341	-3.354
	I	F"	3.463	3.465	3.466	3.467	3.469	3.470	3.471	3.473	3.474	3.475
0.436	I	F'	-3.368	-3.381	-3.395	-3.409	-3.423	-3.437	-3.452	-3.466	-3.481	-3.496
	I	F"	3.477	3.478	3.479	3.481	3.482	3.483	3.485	3.486	3.487	3.489
0.437	I	F'	-3.512	-3.527	-3.543	-3.559	-3.575	-3.591	-3.608	-3.625	-3.642	-3.660
	I	F"	3.490	3.491	3.493	3.494	3.495	3.497	3.498	3.499	3.501	3.502
0.438	I	F'	-3.677	-3.695	-3.714	-3.732	-3.751	-3.771	-3.791	-3.811	-3.831	-3.852
	I	F"	3.503	3.505	3.506	3.507	3.509	3.510	3.511	3.513	3.514	3.515
0.439	I	F'	-3.873	-3.895	-3.917	-3.940	-3.963	-3.987	-4.011	-4.036	-4.062	-4.088
	I	F"	3.517	3.518	3.519	3.521	3.522	3.523	3.525	3.526	3.527	3.529
0.440	I	F'	-4.115	-4.142	-4.170	-4.199	-4.229	-4.260	-4.291	-4.324	-4.358	-4.392
	I	F"	3.530	3.532	3.533	3.534	3.536	3.537	3.538	3.540	3.541	3.542
0.441	I	F'	-4.429	-4.466	-4.505	-4.545	-4.587	-4.631	-4.676	-4.724	-4.774	-4.827
	I	F"	3.544	3.545	3.546	3.548	3.549	3.550	3.552	3.553	3.554	3.556
0.442	I	F'	-4.883	-4.942	-5.005	-5.072	-5.143	-5.220	-5.304	-5.395	-5.496	-5.607
	I	F"	3.557	3.558	3.560	3.561	3.563	3.564	3.565	3.567	3.568	3.569
0.443	I	F'	-5.733	-5.878	-6.048	-6.253	-6.513	-6.868	-7.435	-8.977	-7.927	-7.114
	I	F"	3.571	3.572	3.573	3.575	3.576	3.577	3.579	3.580	0.559	0.559
0.444	I	F'	-6.682	-6.386	-6.161	-5.979	-5.827	-5.696	-5.582	-5.480	-5.387	-5.304
	I	F"	0.560	0.560	0.560	0.560	0.561	0.561	0.561	0.561	0.561	0.562
0.445	I	F'	-5.227	-5.156	-5.090	-5.029	-4.971	-4.917	-4.866	-4.818	-4.772	-4.728
	I	F"	0.562	0.562	0.562	0.563	0.563	0.563	0.563	0.564	0.564	0.564
0.446	I	F'	-4.686	-4.646	-4.608	-4.572	-4.536	-4.503	-4.470	-4.439	-4.408	-4.379
	I	F"	0.564	0.565	0.565	0.565	0.565	0.566	0.566	0.566	0.566	0.566
0.447	I	F'	-4.350	-4.323	-4.296	-4.270	-4.245	-4.221	-4.197	-4.174	-4.151	-4.129
	I	F"	0.567	0.567	0.567	0.567	0.568	0.568	0.568	0.568	0.569	0.569
0.448	I	F'	-4.107	-4.087	-4.066	-4.046	-4.027	-4.007	-3.989	-3.971	-3.953	-3.935
	I	F"	0.569	0.569	0.570	0.570	0.570	0.570	0.570	0.571	0.571	0.571
0.449	I	F'	-3.918	-3.901	-3.885	-3.868	-3.852	-3.837	-3.822	-3.806	-3.792	-3.777
	I	F"	0.571	0.572	0.572	0.572	0.572	0.573	0.573	0.573	0.573	0.574
0.450	I	F'	-3.763	-3.749	-3.735	-3.721	-3.708	-3.695	-3.682	-3.669	-3.657	-3.644
	I	F"	0.574	0.574	0.574	0.575	0.575	0.575	0.575	0.575	0.576	0.576
0.451	I	F'	-3.632	-3.620	-3.608	-3.596	-3.585	-3.574	-3.562	-3.551	-3.540	-3.530
	I	F"	0.576	0.576	0.577	0.577	0.577	0.577	0.578	0.578	0.578	0.578
0.452	I	F'	-3.519	-3.508	-3.498	-3.488	-3.478	-3.468	-3.458	-3.448	-3.439	-3.429
	I	F"	0.579	0.579	0.579	0.579	0.580	0.580	0.580	0.580	0.581	0.581
0.453	I	F'	-3.420	-3.410	-3.401	-3.392	-3.383	-3.374	-3.365	-3.357	-3.348	-3.340
	I	F"	0.581	0.581	0.581	0.582	0.582	0.582	0.582	0.583	0.583	0.583
0.454	I	F'	-3.331	-3.323	-3.315	-3.307	-3.298	-3.290	-3.283	-3.275	-3.267	-3.259
	I	F"	0.583	0.584	0.584	0.584	0.584	0.585	0.585	0.585	0.585	0.586
0.455	I	F'	-3.252	-3.244	-3.237	-3.229	-3.222	-3.215	-3.207	-3.200	-3.193	-3.186
	I	F"	0.586	0.586	0.586	0.587	0.587	0.587	0.587	0.587	0.588	0.588
0.456	I	F'	-3.179	-3.172	-3.166	-3.159	-3.152	-3.146	-3.139	-3.132	-3.126	-3.120
	I	F"	0.588	0.588	0.589	0.589	0.589	0.589	0.590	0.590	0.590	0.590
0.457	I	F'	-3.113	-3.107	-3.101	-3.094	-3.088	-3.082	-3.076	-3.070	-3.064	-3.058
	I	F"	0.591	0.591	0.591	0.591	0.592	0.592	0.592	0.592	0.593	0.593

ATOMIC SYMBOL = SN ATOMIC NUMBER = 50 K ABSORPTION EDGE (0.42467 Å; 29.1936 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.411	I	F'	-2.732	-2.740	-2.748	-2.756	-2.764	-2.772	-2.780	-2.789	-2.797	-2.805
	I	F"	3.376	3.377	3.379	3.380	3.382	3.383	3.384	3.386	3.387	3.389
0.412	I	F'	-2.814	-2.822	-2.831	-2.839	-2.848	-2.857	-2.866	-2.874	-2.883	-2.892
	I	F"	3.390	3.391	3.393	3.394	3.396	3.397	3.398	3.400	3.401	3.403
0.413	I	F'	-2.901	-2.911	-2.920	-2.929	-2.939	-2.948	-2.958	-2.967	-2.977	-2.987
	I	F"	3.404	3.405	3.407	3.408	3.410	3.411	3.412	3.414	3.415	3.417
0.414	I	F'	-2.997	-3.007	-3.017	-3.027	-3.037	-3.048	-3.058	-3.069	-3.080	-3.090
	I	F"	3.418	3.419	3.421	3.422	3.424	3.425	3.426	3.428	3.429	3.431
0.415	I	F'	-3.101	-3.112	-3.123	-3.135	-3.146	-3.157	-3.169	-3.181	-3.192	-3.204
	I	F"	3.432	3.433	3.435	3.436	3.438	3.439	3.440	3.442	3.443	3.445
0.416	I	F'	-3.216	-3.229	-3.241	-3.254	-3.266	-3.279	-3.292	-3.305	-3.318	-3.332
	I	F"	3.446	3.448	3.449	3.450	3.452	3.453	3.455	3.456	3.457	3.459
0.417	I	F'	-3.345	-3.359	-3.373	-3.387	-3.401	-3.416	-3.431	-3.446	-3.461	-3.476
	I	F"	3.460	3.462	3.463	3.464	3.466	3.467	3.469	3.470	3.472	3.473
0.418	I	F'	-3.492	-3.507	-3.523	-3.540	-3.556	-3.573	-3.590	-3.607	-3.625	-3.643
	I	F"	3.474	3.476	3.477	3.479	3.480	3.481	3.483	3.484	3.486	3.487
0.419	I	F'	-3.661	-3.679	-3.698	-3.717	-3.737	-3.757	-3.777	-3.798	-3.819	-3.840
	I	F"	3.489	3.490	3.491	3.493	3.494	3.496	3.497	3.499	3.500	3.501
0.420	I	F'	-3.862	-3.884	-3.907	-3.931	-3.955	-3.979	-4.004	-4.030	-4.056	-4.083
	I	F"	3.503	3.504	3.506	3.507	3.508	3.510	3.511	3.513	3.514	3.516
0.421	I	F'	-4.111	-4.139	-4.169	-4.199	-4.230	-4.262	-4.295	-4.329	-4.365	-4.401
	I	F"	3.517	3.518	3.520	3.521	3.523	3.524	3.526	3.527	3.528	3.530
0.422	I	F'	-4.439	-4.478	-4.519	-4.562	-4.607	-4.653	-4.702	-4.753	-4.807	-4.865
	I	F"	3.531	3.533	3.534	3.536	3.537	3.538	3.540	3.541	3.543	3.544
0.423	I	F'	-4.925	-4.990	-5.058	-5.132	-5.212	-5.299	-5.395	-5.500	-5.618	-5.752
	I	F"	3.546	3.547	3.548	3.550	3.551	3.553	3.554	3.556	3.557	3.558
0.424	I	F'	-5.908	-6.093	-6.321	-6.620	-7.054	-7.866	-8.920	-7.378	-6.819	-6.469
	I	F"	3.560	3.561	3.563	3.564	3.566	3.567	0.561	0.561	0.561	0.562
0.425	I	F'	-6.215	-6.015	-5.850	-5.710	-5.589	-5.481	-5.385	-5.298	-5.218	-5.145
	I	F"	0.562	0.562	0.562	0.563	0.563	0.563	0.563	0.564	0.564	0.564
0.426	I	F'	-5.077	-5.014	-4.955	-4.899	-4.847	-4.797	-4.751	-4.706	-4.664	-4.623
	I	F"	0.564	0.565	0.565	0.565	0.565	0.566	0.566	0.566	0.566	0.567
0.427	I	F'	-4.584	-4.547	-4.512	-4.477	-4.444	-4.413	-4.382	-4.352	-4.323	-4.296
	I	F"	0.567	0.567	0.567	0.568	0.568	0.568	0.568	0.569	0.569	0.569
0.428	I	F'	-4.269	-4.243	-4.217	-4.193	-4.169	-4.145	-4.123	-4.100	-4.079	-4.058
	I	F"	0.569	0.570	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.572
0.429	I	F'	-4.037	-4.017	-3.998	-3.978	-3.960	-3.941	-3.923	-3.906	-3.889	-3.872
	I	F"	0.572	0.572	0.572	0.573	0.573	0.573	0.573	0.574	0.574	0.574
0.430	I	F'	-3.855	-3.839	-3.823	-3.807	-3.792	-3.777	-3.762	-3.748	-3.733	-3.719
	I	F"	0.574	0.575	0.575	0.575	0.575	0.576	0.576	0.576	0.576	0.577
0.431	I	F'	-3.705	-3.692	-3.678	-3.665	-3.652	-3.640	-3.627	-3.615	-3.602	-3.590
	I	F"	0.577	0.577	0.577	0.578	0.578	0.578	0.578	0.579	0.579	0.579
0.432	I	F'	-3.579	-3.567	-3.555	-3.544	-3.533	-3.522	-3.511	-3.500	-3.490	-3.479
	I	F"	0.579	0.580	0.580	0.580	0.580	0.581	0.581	0.581	0.581	0.582
0.433	I	F'	-3.469	-3.459	-3.449	-3.439	-3.429	-3.419	-3.409	-3.400	-3.391	-3.381
	I	F"	0.582	0.582	0.582	0.583	0.583	0.583	0.583	0.584	0.584	0.584
0.434	I	F'	-3.372	-3.363	-3.354	-3.345	-3.337	-3.328	-3.319	-3.311	-3.302	-3.294
	I	F"	0.584	0.585	0.585	0.585	0.585	0.586	0.586	0.586	0.586	0.587
0.435	I	F'	-3.286	-3.278	-3.270	-3.262	-3.254	-3.246	-3.238	-3.231	-3.223	-3.216
	I	F"	0.587	0.587	0.587	0.588	0.588	0.588	0.588	0.589	0.589	0.589
0.436	I	F'	-3.208	-3.201	-3.194	-3.186	-3.179	-3.172	-3.165	-3.158	-3.151	-3.144
	I	F"	0.589	0.590	0.590	0.590	0.590	0.591	0.591	0.591	0.591	0.592
0.437	I	F'	-3.138	-3.131	-3.124	-3.118	-3.111	-3.104	-3.098	-3.092	-3.085	-3.079
	I	F"	0.592	0.592	0.592	0.593	0.593	0.593	0.593	0.594	0.594	0.594
0.438	I	F'	-3.073	-3.067	-3.060	-3.054	-3.048	-3.042	-3.036	-3.031	-3.025	-3.019
	I	F"	0.594	0.595	0.595	0.595	0.595	0.596	0.596	0.596	0.597	0.597

ATOMIC SYMBOL = SB ATOMIC NUMBER = 51 K ABSORPTION EDGE (0.40668 Å; 30.4850 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.393	I	F'	-2.699	-2.707	-2.715	-2.723	-2.731	-2.739	-2.747	-2.755	-2.764	-2.772
	I	F"	3.355	3.356	3.357	3.359	3.360	3.362	3.363	3.365	3.366	3.367
0.394	I	F'	-2.780	-2.789	-2.797	-2.806	-2.814	-2.823	-2.832	-2.841	-2.850	-2.859
	I	F"	3.369	3.370	3.372	3.373	3.375	3.376	3.377	3.379	3.380	3.382
0.395	I	F'	-2.868	-2.877	-2.886	-2.895	-2.905	-2.914	-2.924	-2.933	-2.943	-2.953
	I	F"	3.383	3.385	3.386	3.388	3.389	3.390	3.392	3.393	3.395	3.396
0.396	I	F'	-2.962	-2.972	-2.982	-2.993	-3.003	-3.013	-3.023	-3.034	-3.045	-3.055
	I	F"	3.398	3.399	3.400	3.402	3.403	3.405	3.406	3.408	3.409	3.411
0.397	I	F'	-3.066	-3.077	-3.088	-3.099	-3.111	-3.122	-3.133	-3.145	-3.157	-3.169
	I	F"	3.412	3.413	3.415	3.416	3.418	3.419	3.421	3.422	3.424	3.425
0.398	I	F'	-3.181	-3.193	-3.205	-3.217	-3.230	-3.243	-3.256	-3.269	-3.282	-3.295
	I	F"	3.426	3.428	3.429	3.431	3.432	3.434	3.435	3.437	3.438	3.439
0.399	I	F'	-3.309	-3.322	-3.336	-3.350	-3.364	-3.379	-3.393	-3.408	-3.423	-3.438
	I	F"	3.441	3.442	3.444	3.445	3.447	3.448	3.450	3.451	3.452	3.454
0.400	I	F'	-3.454	-3.469	-3.485	-3.501	-3.518	-3.534	-3.551	-3.568	-3.586	-3.604
	I	F"	3.455	3.457	3.458	3.460	3.461	3.463	3.464	3.466	3.467	3.468
0.401	I	F'	-3.622	-3.640	-3.659	-3.678	-3.697	-3.717	-3.737	-3.757	-3.778	-3.799
	I	F"	3.470	3.471	3.473	3.474	3.476	3.477	3.479	3.480	3.482	3.483
0.402	I	F'	-3.821	-3.843	-3.866	-3.889	-3.913	-3.937	-3.962	-3.987	-4.013	-4.040
	I	F"	3.484	3.486	3.487	3.489	3.490	3.492	3.493	3.495	3.496	3.498
0.403	I	F'	-4.067	-4.096	-4.125	-4.154	-4.185	-4.217	-4.249	-4.283	-4.318	-4.354
	I	F"	3.499	3.501	3.502	3.503	3.505	3.506	3.508	3.509	3.511	3.512
0.404	I	F'	-4.391	-4.430	-4.471	-4.513	-4.557	-4.603	-4.651	-4.701	-4.754	-4.810
	I	F"	3.514	3.515	3.517	3.518	3.520	3.521	3.522	3.524	3.525	3.527
0.405	I	F'	-4.870	-4.933	-5.000	-5.073	-5.151	-5.236	-5.328	-5.431	-5.545	-5.675
	I	F"	3.528	3.530	3.531	3.533	3.534	3.536	3.537	3.539	3.540	3.542
0.406	I	F'	-5.824	-6.000	-6.216	-6.494	-6.887	-7.562	-10.952	-7.506	-6.864	-6.485
	I	F"	3.543	3.544	3.546	3.547	3.549	3.550	0.563	0.564	0.564	0.564
0.407	I	F'	-6.216	-6.008	-5.838	-5.694	-5.570	-5.460	-5.362	-5.273	-5.193	-5.119
	I	F"	0.564	0.565	0.565	0.565	0.565	0.566	0.566	0.566	0.566	0.567
0.408	I	F'	-5.050	-4.987	-4.927	-4.871	-4.819	-4.769	-4.722	-4.677	-4.635	-4.594
	I	F"	0.567	0.567	0.568	0.568	0.568	0.568	0.569	0.569	0.569	0.569
0.409	I	F'	-4.555	-4.518	-4.482	-4.448	-4.415	-4.383	-4.352	-4.323	-4.294	-4.266
	I	F"	0.570	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.572	0.572
0.410	I	F'	-4.239	-4.213	-4.188	-4.163	-4.139	-4.116	-4.093	-4.071	-4.050	-4.029
	I	F"	0.572	0.572	0.573	0.573	0.573	0.573	0.574	0.574	0.574	0.575
0.411	I	F'	-4.008	-3.988	-3.969	-3.950	-3.931	-3.913	-3.895	-3.877	-3.860	-3.843
	I	F"	0.575	0.575	0.575	0.576	0.576	0.576	0.576	0.577	0.577	0.577
0.412	I	F'	-3.827	-3.810	-3.795	-3.779	-3.764	-3.749	-3.734	-3.720	-3.705	-3.691
	I	F"	0.577	0.578	0.578	0.578	0.578	0.579	0.579	0.579	0.579	0.580
0.413	I	F'	-3.678	-3.664	-3.651	-3.638	-3.625	-3.612	-3.599	-3.587	-3.575	-3.563
	I	F"	0.580	0.580	0.580	0.581	0.581	0.581	0.582	0.582	0.582	0.582
0.414	I	F'	-3.551	-3.540	-3.528	-3.517	-3.506	-3.495	-3.484	-3.473	-3.463	-3.452
	I	F"	0.583	0.583	0.583	0.583	0.584	0.584	0.584	0.584	0.585	0.585
0.415	I	F'	-3.442	-3.432	-3.422	-3.412	-3.402	-3.393	-3.383	-3.374	-3.364	-3.355
	I	F"	0.585	0.585	0.586	0.586	0.586	0.587	0.587	0.587	0.587	0.588
0.416	I	F'	-3.346	-3.337	-3.328	-3.319	-3.311	-3.302	-3.293	-3.285	-3.277	-3.268
	I	F"	0.588	0.588	0.588	0.589	0.589	0.589	0.589	0.590	0.590	0.590
0.417	I	F'	-3.260	-3.252	-3.244	-3.236	-3.228	-3.221	-3.213	-3.205	-3.198	-3.190
	I	F"	0.590	0.591	0.591	0.591	0.591	0.592	0.592	0.592	0.593	0.593
0.418	I	F'	-3.183	-3.176	-3.169	-3.161	-3.154	-3.147	-3.140	-3.133	-3.126	-3.120
	I	F	0.593	0.593	0.594	0.594	0.594	0.594	0.595	0.595	0.595	0.595
0.419	I	F'	-3.113	-3.106	-3.100	-3.093	-3.087	-3.080	-3.074	-3.067	-3.061	-3.055
	I	F"	0.596	0.596	0.596	0.597	0.597	0.597	0.597	0.598	0.598	0.598
0.420	I	F'	-3.049	-3.042	-3.036	-3.030	-3.024	-3.018	-3.012	-3.007	-3.001	-2.995
	I	F"	0.598	0.599	0.599	0.599	0.599	0.600	0.600	0.600	0.600	0.601

ATOMIC SYMBOL = TE ATOMIC NUMBER = 52 K ABSORPTION EDGE (0.38974 Å; 31.8100 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.376	I	F'	-2.671	-2.679	-2.687	-2.694	-2.702	-2.710	-2.718	-2.726	-2.735	-2.743
	I	F"	3.333	3.335	3.336	3.338	3.339	3.341	3.342	3.344	3.345	3.346
0.377	I	F'	-2.751	-2.759	-2.768	-2.776	-2.785	-2.793	-2.802	-2.811	-2.820	-2.828
	I	F"	3.348	3.349	3.351	3.352	3.354	3.355	3.357	3.358	3.359	3.361
0.378	I	F'	-2.837	-2.846	-2.856	-2.865	-2.874	-2.883	-2.893	-2.902	-2.912	-2.921
	I	F"	3.362	3.364	3.365	3.367	3.368	3.370	3.371	3.373	3.374	3.375
0.379	I	F'	-2.931	-2.941	-2.951	-2.961	-2.971	-2.981	-2.991	-3.002	-3.012	-3.023
	I	F"	3.377	3.378	3.380	3.381	3.383	3.384	3.386	3.387	3.389	3.390
0.380	I	F'	-3.033	-3.044	-3.055	-3.066	-3.077	-3.088	-3.100	-3.111	-3.123	-3.134
	I	F"	3.391	3.393	3.394	3.396	3.397	3.399	3.400	3.402	3.403	3.405
0.381	I	F'	-3.146	-3.158	-3.170	-3.182	-3.195	-3.207	-3.220	-3.233	-3.246	-3.259
	I	F"	3.406	3.407	3.409	3.410	3.412	3.413	3.415	3.416	3.418	3.419
0.382	I	F'	-3.272	-3.286	-3.299	-3.313	-3.327	-3.341	-3.355	-3.370	-3.385	-3.399
	I	F"	3.421	3.422	3.423	3.425	3.426	3.428	3.429	3.431	3.432	3.434
0.383	I	F'	-3.415	-3.430	-3.446	-3.461	-3.477	-3.494	-3.510	-3.527	-3.544	-3.561
	I	F"	3.435	3.437	3.438	3.440	3.441	3.442	3.444	3.445	3.447	3.448
0.384	I	F'	-3.579	-3.597	-3.615	-3.634	-3.653	-3.672	-3.691	-3.711	-3.732	-3.753
	I	F"	3.450	3.451	3.453	3.454	3.456	3.457	3.459	3.460	3.462	3.463
0.385	I	F'	-3.774	-3.795	-3.817	-3.840	-3.863	-3.887	-3.911	-3.935	-3.961	-3.987
	I	F"	3.464	3.466	3.467	3.469	3.470	3.472	3.473	3.475	3.476	3.478
0.386	I	F'	-4.013	-4.040	-4.069	-4.097	-4.127	-4.158	-4.189	-4.221	-4.255	-4.290
	I	F"	3.479	3.481	3.482	3.484	3.485	3.486	3.488	3.489	3.491	3.492
0.387	I	F'	-4.326	-4.363	-4.402	-4.442	-4.484	-4.527	-4.573	-4.621	-4.671	-4.724
	I	F"	3.494	3.495	3.497	3.498	3.500	3.501	3.503	3.504	3.506	3.507
0.388	I	F'	-4.780	-4.839	-4.902	-4.969	-5.041	-5.119	-5.203	-5.296	-5.398	-5.512
	I	F"	3.508	3.510	3.511	3.513	3.514	3.516	3.517	3.519	3.520	3.522
0.389	I	F'	-5.641	-5.790	-5.966	-6.182	-6.461	-6.857	-7.545	-10.092	-7.424	-6.801
	I	F"	3.523	3.525	3.526	3.528	3.529	3.531	3.532	0.566	0.566	0.567
0.390	I	F'	-6.431	-6.167	-5.961	-5.793	-5.651	-5.528	-5.420	-5.323	-5.236	-5.156
	I	F"	0.567	0.567	0.567	0.568	0.568	0.568	0.569	0.569	0.569	0.569
0.391	I	F'	-5.082	-5.015	-4.952	-4.893	-4.837	-4.785	-4.736	-4.689	-4.645	-4.603
	I	F"	0.570	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.572	0.572
0.392	I	F'	-4.563	-4.524	-4.487	-4.452	-4.418	-4.385	-4.354	-4.323	-4.294	-4.265
	I	F"	0.572	0.573	0.573	0.573	0.573	0.574	0.574	0.574	0.574	0.575
0.393	I	F'	-4.238	-4.211	-4.185	-4.160	-4.136	-4.112	-4.089	-4.067	-4.045	-4.023
	I	F"	0.575	0.575	0.576	0.576	0.576	0.576	0.577	0.577	0.577	0.577
0.394	I	F'	-4.002	-3.982	-3.962	-3.943	-3.924	-3.905	-3.887	-3.870	-3.852	-3.835
	I	F"	0.578	0.578	0.578	0.579	0.579	0.579	0.579	0.580	0.580	0.580
0.395	I	F'	-3.818	-3.802	-3.786	-3.770	-3.755	-3.740	-3.725	-3.710	-3.696	-3.682
	I	F"	0.580	0.581	0.581	0.581	0.582	0.582	0.582	0.582	0.583	0.583
0.396	I	F'	-3.668	-3.654	-3.641	-3.628	-3.615	-3.602	-3.589	-3.577	-3.565	-3.553
	I	F"	0.583	0.583	0.584	0.584	0.584	0.585	0.585	0.585	0.585	0.586
0.397	I	F'	-3.541	-3.529	-3.518	-3.506	-3.495	-3.484	-3.473	-3.462	-3.452	-3.441
	I	F"	0.586	0.586	0.586	0.587	0.587	0.587	0.588	0.588	0.588	0.588
0.398	I	F'	-3.431	-3.421	-3.411	-3.401	-3.391	-3.381	-3.372	-3.362	-3.353	-3.344
	I	F"	0.589	0.589	0.589	0.589	0.590	0.590	0.590	0.591	0.591	0.591
0.399	I	F'	-3.335	-3.326	-3.317	-3.308	-3.299	-3.290	-3.282	-3.274	-3.265	-3.257
	I	F"	0.591	0.592	0.592	0.592	0.592	0.593	0.593	0.593	0.594	0.594
0.400	I	F'	-3.249	-3.241	-3.233	-3.225	-3.217	-3.209	-3.201	-3.194	-3.186	-3.179
	I	F"	0.594	0.594	0.595	0.595	0.595	0.595	0.596	0.596	0.596	0.597
0.401	I	F'	-3.171	-3.164	-3.157	-3.150	-3.143	-3.136	-3.129	-3.122	-3.115	-3.108
	I	F"	0.597	0.597	0.597	0.598	0.598	0.598	0.598	0.599	0.599	0.599
0.402	I	F'	-3.101	-3.095	-3.088	-3.081	-3.075	-3.068	-3.062	-3.056	-3.049	-3.043
	I	F"	0.600	0.600	0.600	0.600	0.601	0.601	0.601	0.602	0.602	0.602
0.403	I	F'	-3.037	-3.031	-3.025	-3.019	-3.013	-3.007	-3.001	-2.995	-2.989	-2.983
	I	F"	0.602	0.603	0.603	0.603	0.603	0.604	0.604	0.604	0.605	0.605

ATOMIC SYMBOL = I ATOMIC NUMBER = 53 K ABSORPTION EDGE (0.37381 Å; 33.1656 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.360	I	F'	-2.636	-2.643	-2.651	-2.659	-2.667	-2.675	-2.683	-2.691	-2.699	-2.707
	I	F"	3.311	3.312	3.314	3.315	3.317	3.318	3.320	3.321	3.323	3.324
0.361	I	F'	-2.715	-2.723	-2.732	-2.740	-2.748	-2.757	-2.766	-2.774	-2.783	-2.792
	I	F"	3.326	3.327	3.329	3.330	3.332	3.333	3.335	3.336	3.338	3.339
0.362	I	F'	-2.801	-2.809	-2.818	-2.828	-2.837	-2.846	-2.855	-2.865	-2.874	-2.884
	I	F"	3.341	3.342	3.344	3.345	3.347	3.348	3.350	3.351	3.353	3.354
0.363	I	F'	-2.893	-2.903	-2.913	-2.923	-2.933	-2.943	-2.953	-2.963	-2.974	-2.984
	I	F"	3.356	3.357	3.359	3.360	3.362	3.363	3.365	3.366	3.368	3.369
0.364	I	F'	-2.995	-3.005	-3.016	-3.027	-3.038	-3.049	-3.060	-3.071	-3.083	-3.094
	I	F"	3.371	3.372	3.374	3.375	3.377	3.379	3.380	3.382	3.383	3.385
0.365	I	F'	-3.106	-3.118	-3.130	-3.142	-3.154	-3.166	-3.179	-3.192	-3.204	-3.217
	I	F"	3.386	3.388	3.389	3.391	3.392	3.394	3.395	3.397	3.398	3.400
0.366	I	F'	-3.230	-3.244	-3.257	-3.271	-3.285	-3.298	-3.313	-3.327	-3.341	-3.356
	I	F"	3.401	3.403	3.404	3.406	3.407	3.409	3.410	3.412	3.413	3.415
0.367	I	F'	-3.371	-3.386	-3.402	-3.417	-3.433	-3.449	-3.465	-3.482	-3.499	-3.516
	I	F"	3.416	3.418	3.419	3.421	3.422	3.424	3.425	3.427	3.428	3.430
0.368	I	F'	-3.533	-3.551	-3.569	-3.587	-3.605	-3.624	-3.644	-3.663	-3.683	-3.704
	I	F"	3.432	3.433	3.435	3.436	3.438	3.439	3.441	3.442	3.444	3.445
0.369	I	F'	-3.724	-3.746	-3.767	-3.789	-3.812	-3.835	-3.859	-3.883	-3.908	-3.933
	I	F"	3.447	3.448	3.450	3.451	3.453	3.454	3.456	3.457	3.459	3.460
0.370	I	F'	-3.959	-3.986	-4.013	-4.041	-4.070	-4.100	-4.130	-4.162	-4.195	-4.228
	I	F"	3.462	3.463	3.465	3.467	3.468	3.470	3.471	3.473	3.474	3.476
0.371	I	F'	-4.263	-4.299	-4.337	-4.375	-4.416	-4.458	-4.502	-4.548	-4.596	-4.647
	I	F"	3.477	3.479	3.480	3.482	3.483	3.485	3.486	3.488	3.489	3.491
0.372	I	F'	-4.700	-4.757	-4.816	-4.880	-4.948	-5.021	-5.100	-5.186	-5.281	-5.385
	I	F"	3.492	3.494	3.496	3.497	3.499	3.500	3.502	3.503	3.505	3.506
0.373	I	F'	-5.502	-5.635	-5.790	-5.974	-6.203	-6.504	-6.946	-7.804	-8.476	-7.165
	I	F"	3.508	3.509	3.511	3.512	3.514	3.515	3.517	3.518	0.569	0.569
0.374	I	F'	-6.641	-6.308	-6.064	-5.871	-5.712	-5.576	-5.458	-5.354	-5.260	-5.175
	I	F"	0.569	0.570	0.570	0.570	0.571	0.571	0.571	0.571	0.572	0.572
0.375	I	F'	-5.098	-5.026	-4.960	-4.899	-4.841	-4.787	-4.736	-4.688	-4.642	-4.599
	I	F"	0.572	0.573	0.573	0.573	0.573	0.574	0.574	0.574	0.575	0.575
0.376	I	F'	-4.558	-4.518	-4.480	-4.444	-4.409	-4.376	-4.344	-4.313	-4.283	-4.254
	I	F"	0.575	0.575	0.576	0.576	0.576	0.576	0.577	0.577	0.577	0.578
0.377	I	F'	-4.226	-4.199	-4.173	-4.147	-4.122	-4.098	-4.075	-4.052	-4.030	-4.008
	I	F"	0.578	0.578	0.578	0.579	0.579	0.579	0.580	0.580	0.580	0.580
0.378	I	F'	-3.987	-3.967	-3.947	-3.927	-3.908	-3.889	-3.871	-3.853	-3.836	-3.819
	I	F"	0.581	0.581	0.581	0.582	0.582	0.582	0.582	0.583	0.583	0.583
0.379	I	F'	-3.802	-3.785	-3.769	-3.753	-3.738	-3.723	-3.708	-3.693	-3.679	-3.664
	I	F"	0.584	0.584	0.584	0.584	0.585	0.585	0.585	0.586	0.586	0.586
0.380	I	F'	-3.650	-3.637	-3.623	-3.610	-3.597	-3.584	-3.571	-3.559	-3.547	-3.535
	I	F"	0.586	0.587	0.587	0.587	0.588	0.588	0.588	0.588	0.589	0.589
0.381	I	F'	-3.523	-3.511	-3.500	-3.488	-3.477	-3.466	-3.455	-3.444	-3.434	-3.423
	I	F"	0.589	0.590	0.590	0.590	0.590	0.591	0.591	0.591	0.592	0.592
0.382	I	F'	-3.413	-3.403	-3.393	-3.383	-3.373	-3.363	-3.354	-3.344	-3.335	-3.326
	I	F"	0.592	0.592	0.593	0.593	0.593	0.594	0.594	0.594	0.594	0.595
0.383	I	F'	-3.316	-3.307	-3.298	-3.290	-3.281	-3.272	-3.264	-3.255	-3.247	-3.239
	I	F"	0.595	0.595	0.596	0.596	0.596	0.596	0.597	0.597	0.597	0.598
0.384	I	F'	-3.231	-3.222	-3.214	-3.207	-3.199	-3.191	-3.183	-3.176	-3.168	-3.161
	I	F"	0.598	0.598	0.598	0.599	0.599	0.599	0.600	0.600	0.600	0.600
0.385	I	F'	-3.153	-3.146	-3.139	-3.132	-3.125	-3.118	-3.111	-3.104	-3.097	-3.090
	I	F"	0.601	0.601	0.601	0.602	0.602	0.602	0.602	0.603	0.603	0.603
0.386	I	F'	-3.083	-3.077	-3.070	-3.063	-3.057	-3.051	-3.044	-3.038	-3.032	-3.025
	I	F"	0.604	0.604	0.604	0.604	0.605	0.605	0.605	0.606	0.606	0.606
0.387	I	F'	-3.019	-3.013	-3.007	-3.001	-2.995	-2.989	-2.983	-2.977	-2.972	-2.966
	I	F"	0.607	0.607	0.607	0.607	0.608	0.608	0.608	0.609	0.609	0.609

ATOMIC SYMBOL = XE ATOMIC NUMBER = 54 K ABSORPTION EDGE (0.35840 Å; 34.5916 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.345	I	F'	-2.610	-2.618	-2.626	-2.633	-2.641	-2.649	-2.657	-2.665	-2.673	-2.681
	I	F"	3.290	3.291	3.293	3.294	3.296	3.297	3.299	3.300	3.302	3.304
0.346	I	F'	-2.690	-2.698	-2.706	-2.714	-2.723	-2.731	-2.740	-2.749	-2.757	-2.766
	I	F"	3.305	3.307	3.308	3.310	3.311	3.313	3.315	3.316	3.318	3.319
0.347	I	F'	-2.775	-2.784	-2.793	-2.802	-2.811	-2.821	-2.830	-2.839	-2.849	-2.858
	I	F"	3.321	3.322	3.324	3.325	3.327	3.329	3.330	3.332	3.333	3.335
0.348	I	F'	-2.868	-2.878	-2.887	-2.897	-2.907	-2.917	-2.928	-2.938	-2.948	-2.959
	I	F"	3.336	3.338	3.340	3.341	3.343	3.344	3.346	3.347	3.349	3.351
0.349	I	F'	-2.969	-2.980	-2.991	-3.002	-3.013	-3.024	-3.035	-3.046	-3.058	-3.069
	I	F"	3.352	3.354	3.355	3.357	3.358	3.360	3.362	3.363	3.365	3.366
0.350	I	F'	-3.081	-3.093	-3.105	-3.117	-3.129	-3.142	-3.154	-3.167	-3.180	-3.193
	I	F"	3.368	3.369	3.371	3.373	3.374	3.376	3.377	3.379	3.380	3.382
0.351	I	F'	-3.206	-3.219	-3.233	-3.246	-3.260	-3.274	-3.288	-3.303	-3.317	-3.332
	I	F"	3.384	3.385	3.387	3.388	3.390	3.391	3.393	3.395	3.396	3.398
0.352	I	F'	-3.347	-3.362	-3.377	-3.393	-3.409	-3.425	-3.441	-3.458	-3.475	-3.492
	I	F"	3.399	3.401	3.402	3.404	3.406	3.407	3.409	3.410	3.412	3.414
0.353	I	F'	-3.510	-3.527	-3.545	-3.564	-3.582	-3.601	-3.621	-3.641	-3.661	-3.681
	I	F"	3.415	3.417	3.418	3.420	3.421	3.423	3.425	3.426	3.428	3.429
0.354	I	F'	-3.702	-3.723	-3.745	-3.768	-3.790	-3.814	-3.837	-3.862	-3.887	-3.912
	I	F"	3.431	3.433	3.434	3.436	3.437	3.439	3.440	3.442	3.444	3.445
0.355	I	F'	-3.939	-3.965	-3.993	-4.022	-4.051	-4.081	-4.112	-4.144	-4.177	-4.211
	I	F"	3.447	3.448	3.450	3.452	3.453	3.455	3.456	3.458	3.459	3.461
0.356	I	F'	-4.247	-4.283	-4.321	-4.361	-4.402	-4.445	-4.490	-4.537	-4.586	-4.638
	I	F"	3.463	3.464	3.466	3.467	3.469	3.471	3.472	3.474	3.475	3.477
0.357	I	F'	-4.692	-4.750	-4.812	-4.878	-4.948	-5.024	-5.106	-5.196	-5.295	-5.405
	I	F"	3.479	3.480	3.482	3.483	3.485	3.486	3.488	3.490	3.491	3.493
0.358	I	F'	-5.530	-5.673	-5.842	-6.046	-6.307	-6.669	-7.262	-9.256	-7.512	-6.799
	I	F"	3.494	3.496	3.498	3.499	3.501	3.502	3.504	3.506	0.572	0.572
0.359	I	F'	-6.401	-6.124	-5.912	-5.740	-5.595	-5.470	-5.361	-5.263	-5.175	-5.095
	I	F"	0.572	0.572	0.573	0.573	0.573	0.574	0.574	0.574	0.575	0.575
0.360	I	F'	-5.021	-4.953	-4.890	-4.831	-4.776	-4.724	-4.675	-4.628	-4.584	-4.542
	I	F"	0.575	0.575	0.576	0.576	0.576	0.577	0.577	0.577	0.577	0.578
0.361	I	F'	-4.502	-4.464	-4.427	-4.392	-4.358	-4.326	-4.294	-4.264	-4.235	-4.207
	I	F"	0.578	0.578	0.579	0.579	0.579	0.580	0.580	0.580	0.580	0.581
0.362	I	F'	-4.180	-4.153	-4.127	-4.103	-4.078	-4.055	-4.032	-4.010	-3.988	-3.967
	I	F"	0.581	0.581	0.582	0.582	0.582	0.582	0.583	0.583	0.583	0.584
0.363	I	F'	-3.946	-3.926	-3.907	-3.887	-3.869	-3.850	-3.832	-3.815	-3.798	-3.781
	I	F"	0.584	0.584	0.585	0.585	0.585	0.585	0.586	0.586	0.586	0.587
0.364	I	F'	-3.764	-3.748	-3.732	-3.717	-3.702	-3.687	-3.672	-3.657	-3.643	-3.629
	I	F"	0.587	0.587	0.588	0.588	0.588	0.588	0.589	0.589	0.589	0.590
0.365	I	F'	-3.616	-3.602	-3.589	-3.576	-3.563	-3.550	-3.538	-3.526	-3.514	-3.502
	I	F"	0.590	0.590	0.590	0.591	0.591	0.591	0.592	0.592	0.592	0.593
0.366	I	F'	-3.490	-3.479	-3.467	-3.456	-3.445	-3.434	-3.423	-3.413	-3.402	-3.392
	I	F"	0.593	0.593	0.593	0.594	0.594	0.594	0.595	0.595	0.595	0.596
0.367	I	F'	-3.382	-3.372	-3.362	-3.352	-3.343	-3.333	-3.324	-3.314	-3.305	-3.296
	I	F"	0.596	0.596	0.596	0.597	0.597	0.597	0.598	0.598	0.598	0.599
0.368	I	F'	-3.287	-3.278	-3.269	-3.261	-3.252	-3.243	-3.235	-3.227	-3.219	-3.210
	I	F"	0.599	0.599	0.599	0.600	0.600	0.600	0.601	0.601	0.601	0.602
0.369	I	F'	-3.202	-3.194	-3.187	-3.179	-3.171	-3.163	-3.156	-3.148	-3.141	-3.134
	I	F"	0.602	0.602	0.602	0.603	0.603	0.603	0.604	0.604	0.604	0.605
0.370	I	F'	-3.126	-3.119	-3.112	-3.105	-3.098	-3.091	-3.084	-3.077	-3.070	-3.064
	I	F"	0.605	0.605	0.605	0.606	0.606	0.606	0.607	0.607	0.607	0.608
0.371	I	F'	-3.057	-3.051	-3.044	-3.038	-3.031	-3.025	-3.019	-3.012	-3.006	-3.000
	I	F"	0.608	0.608	0.608	0.609	0.609	0.609	0.610	0.610	0.610	0.611
0.372	I	F'	-2.994	-2.988	-2.982	-2.976	-2.970	-2.964	-2.958	-2.953	-2.947	-2.941
	I	F"	0.611	0.611	0.611	0.612	0.612	0.612	0.613	0.613	0.613	0.614

ATOMIC SYMBOL = CS ATOMIC NUMBER = 55 K ABSORPTION EDGE (0.34451 Å; 35.9863 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.331	I	F'	-2.603	-2.611	-2.619	-2.627	-2.635	-2.642	-2.651	-2.659	-2.667	-2.675
	I	F"	3.275	3.276	3.278	3.280	3.281	3.283	3.284	3.286	3.287	3.289
0.332	I	F'	-2.683	-2.692	-2.700	-2.709	-2.717	-2.726	-2.734	-2.743	-2.752	-2.761
	I	F"	3.291	3.292	3.294	3.295	3.297	3.299	3.300	3.302	3.303	3.305
0.333	I	F'	-2.770	-2.779	-2.788	-2.797	-2.806	-2.816	-2.825	-2.835	-2.844	-2.854
	I	F"	3.306	3.308	3.310	3.311	3.313	3.314	3.316	3.318	3.319	3.321
0.334	I	F'	-2.864	-2.874	-2.884	-2.894	-2.904	-2.914	-2.924	-2.935	-2.945	-2.956
	I	F"	3.322	3.324	3.325	3.327	3.329	3.330	3.332	3.333	3.335	3.337
0.335	I	F'	-2.966	-2.977	-2.988	-2.999	-3.010	-3.022	-3.033	-3.045	-3.056	-3.068
	I	F"	3.338	3.340	3.341	3.343	3.344	3.346	3.348	3.349	3.351	3.352
0.336	I	F'	-3.080	-3.092	-3.104	-3.116	-3.129	-3.141	-3.154	-3.167	-3.180	-3.193
	I	F"	3.354	3.356	3.357	3.359	3.360	3.362	3.364	3.365	3.367	3.368
0.337	I	F'	-3.207	-3.220	-3.234	-3.248	-3.262	-3.276	-3.291	-3.305	-3.320	-3.335
	I	F"	3.370	3.371	3.373	3.375	3.376	3.378	3.379	3.381	3.383	3.384
0.338	I	F'	-3.351	-3.366	-3.382	-3.398	-3.414	-3.431	-3.447	-3.464	-3.482	-3.499
	I	F"	3.386	3.387	3.389	3.391	3.392	3.394	3.395	3.397	3.399	3.400
0.339	I	F'	-3.517	-3.535	-3.554	-3.573	-3.592	-3.612	-3.632	-3.652	-3.673	-3.694
	I	F"	3.402	3.403	3.405	3.406	3.408	3.410	3.411	3.413	3.414	3.416
0.340	I	F'	-3.716	-3.738	-3.760	-3.783	-3.807	-3.831	-3.856	-3.881	-3.907	-3.934
	I	F"	3.418	3.419	3.421	3.422	3.424	3.426	3.427	3.429	3.430	3.432
0.341	I	F'	-3.961	-3.989	-4.018	-4.048	-4.079	-4.110	-4.143	-4.177	-4.212	-4.248
	I	F"	3.434	3.435	3.437	3.438	3.440	3.442	3.443	3.445	3.446	3.448
0.342	I	F'	-4.286	-4.325	-4.365	-4.408	-4.452	-4.498	-4.547	-4.598	-4.652	-4.709
	I	F"	3.450	3.451	3.453	3.454	3.456	3.458	3.459	3.461	3.462	3.464
0.343	I	F'	-4.770	-4.835	-4.904	-4.979	-5.059	-5.148	-5.245	-5.353	-5.474	-5.614
	I	F"	3.466	3.467	3.469	3.470	3.472	3.474	3.475	3.477	3.478	3.480
0.344	I	F'	-5.778	-5.975	-6.226	-6.568	-7.111	-8.571	-7.607	-6.817	-6.399	-6.113
	I	F"	3.482	3.483	3.485	3.486	3.488	3.490	0.577	0.577	0.577	0.577
0.345	I	F'	-5.896	-5.720	-5.574	-5.448	-5.337	-5.239	-5.150	-5.070	-4.996	-4.928
	I	F"	0.578	0.578	0.578	0.579	0.579	0.579	0.580	0.580	0.580	0.581
0.346	I	F'	-4.865	-4.806	-4.750	-4.698	-4.649	-4.603	-4.559	-4.517	-4.477	-4.439
	I	F"	0.581	0.581	0.581	0.582	0.582	0.582	0.583	0.583	0.583	0.584
0.347	I	F'	-4.402	-4.367	-4.333	-4.301	-4.270	-4.239	-4.210	-4.182	-4.155	-4.129
	I	F"	0.584	0.584	0.585	0.585	0.585	0.586	0.586	0.586	0.586	0.587
0.348	I	F'	-4.103	-4.078	-4.054	-4.031	-4.008	-3.986	-3.964	-3.943	-3.923	-3.903
	I	F"	0.587	0.587	0.588	0.588	0.588	0.589	0.589	0.589	0.590	0.590
0.349	I	F'	-3.883	-3.864	-3.845	-3.827	-3.809	-3.792	-3.775	-3.758	-3.742	-3.726
	I	F"	0.590	0.590	0.591	0.591	0.591	0.592	0.592	0.592	0.593	0.593
0.350	I	F'	-3.710	-3.694	-3.679	-3.664	-3.650	-3.635	-3.621	-3.607	-3.594	-3.580
	I	F"	0.593	0.594	0.594	0.594	0.595	0.595	0.595	0.595	0.596	0.596
0.351	I	F'	-3.567	-3.554	-3.542	-3.529	-3.517	-3.505	-3.493	-3.481	-3.469	-3.458
	I	F"	0.596	0.597	0.597	0.597	0.598	0.598	0.598	0.599	0.599	0.599
0.352	I	F'	-3.446	-3.435	-3.424	-3.414	-3.403	-3.392	-3.382	-3.372	-3.362	-3.352
	I	F"	0.600	0.600	0.600	0.600	0.601	0.601	0.601	0.602	0.602	0.602
0.353	I	F'	-3.342	-3.332	-3.322	-3.313	-3.304	-3.294	-3.285	-3.276	-3.267	-3.258
	I	F"	0.603	0.603	0.603	0.604	0.604	0.604	0.605	0.605	0.605	0.605
0.354	I	F'	-3.250	-3.241	-3.233	-3.224	-3.216	-3.207	-3.199	-3.191	-3.183	-3.175
	I	F"	0.606	0.606	0.606	0.607	0.607	0.607	0.608	0.608	0.608	0.609
0.355	I	F'	-3.168	-3.160	-3.152	-3.145	-3.137	-3.130	-3.122	-3.115	-3.108	-3.101
	I	F"	0.609	0.609	0.610	0.610	0.610	0.611	0.611	0.611	0.611	0.612
0.356	I	F'	-3.093	-3.086	-3.079	-3.073	-3.066	-3.059	-3.052	-3.046	-3.039	-3.033
	I	F"	0.612	0.612	0.613	0.613	0.613	0.614	0.614	0.614	0.615	0.615
0.357	I	F'	-3.026	-3.020	-3.013	-3.007	-3.001	-2.995	-2.988	-2.982	-2.976	-2.970
	I	F"	0.615	0.616	0.616	0.616	0.617	0.617	0.617	0.617	0.618	0.618
0.358	I	F'	-2.964	-2.959	-2.953	-2.947	-2.941	-2.935	-2.930	-2.924	-2.919	-2.913
	I	F"	0.618	0.619	0.619	0.619	0.620	0.620	0.620	0.621	0.621	0.621

ATOMIC SYMBOL = BA ATOMIC NUMBER = 56 K ABSORPTION EDGE (0.33104 Å; 37.4506 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.317	I	F'	-2.535	-2.542	-2.550	-2.557	-2.565	-2.572	-2.580	-2.588	-2.596	-2.603
	I	F"	3.243	3.245	3.246	3.248	3.250	3.251	3.253	3.255	3.256	3.258
0.318	I	F'	-2.611	-2.619	-2.627	-2.635	-2.643	-2.652	-2.660	-2.668	-2.677	-2.685
	I	F"	3.259	3.261	3.263	3.264	3.266	3.268	3.269	3.271	3.273	3.274
0.319	I	F'	-2.694	-2.702	-2.711	-2.719	-2.728	-2.737	-2.746	-2.755	-2.764	-2.773
	I	F"	3.276	3.277	3.279	3.281	3.282	3.284	3.286	3.287	3.289	3.291
0.320	I	F'	-2.783	-2.792	-2.801	-2.811	-2.820	-2.830	-2.840	-2.849	-2.859	-2.869
	I	F"	3.292	3.294	3.296	3.297	3.299	3.300	3.302	3.304	3.305	3.307
0.321	I	F'	-2.879	-2.890	-2.900	-2.910	-2.921	-2.931	-2.942	-2.953	-2.964	-2.975
	I	F"	3.309	3.310	3.312	3.314	3.315	3.317	3.319	3.320	3.322	3.323
0.322	I	F'	-2.986	-2.997	-3.008	-3.020	-3.031	-3.043	-3.055	-3.067	-3.079	-3.091
	I	F"	3.325	3.327	3.328	3.330	3.332	3.333	3.335	3.337	3.338	3.340
0.323	I	F'	-3.104	-3.116	-3.129	-3.142	-3.155	-3.168	-3.181	-3.195	-3.208	-3.222
	I	F"	3.342	3.343	3.345	3.346	3.348	3.350	3.351	3.353	3.355	3.356
0.324	I	F'	-3.236	-3.250	-3.265	-3.279	-3.294	-3.309	-3.324	-3.340	-3.356	-3.372
	I	F"	3.358	3.360	3.361	3.363	3.365	3.366	3.368	3.370	3.371	3.373
0.325	I	F'	-3.388	-3.404	-3.421	-3.438	-3.455	-3.473	-3.490	-3.508	-3.527	-3.546
	I	F"	3.375	3.376	3.378	3.379	3.381	3.383	3.384	3.386	3.388	3.389
0.326	I	F'	-3.565	-3.584	-3.604	-3.624	-3.645	-3.666	-3.688	-3.710	-3.732	-3.755
	I	F"	3.391	3.393	3.394	3.396	3.398	3.399	3.401	3.403	3.404	3.406
0.327	I	F'	-3.779	-3.803	-3.827	-3.852	-3.878	-3.905	-3.932	-3.960	-3.989	-4.019
	I	F"	3.408	3.409	3.411	3.412	3.414	3.416	3.417	3.419	3.421	3.422
0.328	I	F'	-4.049	-4.081	-4.113	-4.147	-4.182	-4.218	-4.255	-4.294	-4.334	-4.376
	I	F"	3.424	3.426	3.427	3.429	3.431	3.432	3.434	3.436	3.437	3.439
0.329	I	F'	-4.421	-4.467	-4.515	-4.566	-4.619	-4.676	-4.737	-4.801	-4.870	-4.944
	I	F"	3.441	3.442	3.444	3.446	3.447	3.449	3.451	3.452	3.454	3.456
0.330	I	F'	-5.024	-5.112	-5.208	-5.315	-5.436	-5.574	-5.736	-5.932	-6.180	-6.518
	I	F"	3.457	3.459	3.461	3.462	3.464	3.465	3.467	3.469	3.470	3.472
0.331	I	F'	-7.052	-8.451	-7.584	-6.784	-6.365	-6.079	-5.862	-5.687	-5.541	-5.416
	I	F"	3.474	3.475	0.580	0.580	0.580	0.581	0.581	0.581	0.582	0.582
0.332	I	F'	-5.305	-5.208	-5.119	-5.039	-4.966	-4.898	-4.835	-4.776	-4.721	-4.670
	I	F"	0.582	0.582	0.583	0.583	0.583	0.584	0.584	0.584	0.585	0.585
0.333	I	F'	-4.621	-4.575	-4.531	-4.489	-4.450	-4.412	-4.375	-4.340	-4.307	-4.275
	I	F"	0.585	0.586	0.586	0.586	0.587	0.587	0.587	0.588	0.588	0.588
0.334	I	F'	-4.244	-4.214	-4.185	-4.157	-4.130	-4.104	-4.078	-4.054	-4.030	-4.007
	I	F"	0.589	0.589	0.589	0.590	0.590	0.590	0.591	0.591	0.591	0.592
0.335	I	F'	-3.984	-3.962	-3.941	-3.920	-3.899	-3.879	-3.860	-3.841	-3.823	-3.804
	I	F"	0.592	0.592	0.592	0.593	0.593	0.593	0.594	0.594	0.594	0.595
0.336	I	F'	-3.787	-3.769	-3.752	-3.736	-3.720	-3.704	-3.688	-3.673	-3.658	-3.643
	I	F"	0.595	0.595	0.596	0.596	0.596	0.597	0.597	0.597	0.598	0.598
0.337	I	F'	-3.628	-3.614	-3.600	-3.586	-3.573	-3.560	-3.547	-3.534	-3.521	-3.509
	I	F"	0.598	0.599	0.599	0.599	0.600	0.600	0.600	0.601	0.601	0.601
0.338	I	F'	-3.496	-3.484	-3.472	-3.461	-3.449	-3.438	-3.427	-3.416	-3.405	-3.394
	I	F"	0.602	0.602	0.602	0.603	0.603	0.603	0.604	0.604	0.604	0.605
0.339	I	F'	-3.383	-3.373	-3.363	-3.353	-3.343	-3.333	-3.323	-3.313	-3.304	-3.294
	I	F"	0.605	0.605	0.606	0.606	0.606	0.607	0.607	0.607	0.607	0.608
0.340	I	F'	-3.285	-3.276	-3.267	-3.258	-3.249	-3.240	-3.232	-3.223	-3.215	-3.206
	I	F"	0.608	0.608	0.609	0.609	0.609	0.610	0.610	0.610	0.611	0.611
0.341	I	F'	-3.198	-3.190	-3.182	-3.174	-3.166	-3.158	-3.150	-3.142	-3.135	-3.127
	I	F"	0.611	0.612	0.612	0.612	0.613	0.613	0.613	0.614	0.614	0.614
0.342	I	F'	-3.120	-3.112	-3.105	-3.098	-3.091	-3.084	-3.077	-3.070	-3.063	-3.056
	I	F"	0.615	0.615	0.615	0.616	0.616	0.616	0.617	0.617	0.617	0.618
0.343	I	F'	-3.049	-3.043	-3.036	-3.029	-3.023	-3.016	-3.010	-3.004	-2.997	-2.991
	I	F"	0.618	0.618	0.619	0.619	0.619	0.620	0.620	0.620	0.621	0.621
0.344	I	F'	-2.985	-2.979	-2.973	-2.967	-2.961	-2.955	-2.949	-2.943	-2.937	-2.931
	I	F"	0.621	0.622	0.622	0.622	0.623	0.623	0.623	0.624	0.624	0.624

ATOMIC SYMBOL = LA ATOMIC NUMBER = 57 K ABSORPTION EDGE (0.31844 Å; 38.9324 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.305	I	F'	-2.560	-2.568	-2.576	-2.583	-2.591	-2.599	-2.607	-2.615	-2.623	-2.632
	I	F"	3.232	3.233	3.235	3.237	3.238	3.240	3.242	3.243	3.245	3.247
0.306	I	F'	-2.640	-2.648	-2.656	-2.665	-2.673	-2.682	-2.691	-2.699	-2.708	-2.717
	I	F"	3.249	3.250	3.252	3.254	3.255	3.257	3.259	3.260	3.262	3.264
0.307	I	F'	-2.726	-2.735	-2.744	-2.753	-2.762	-2.771	-2.781	-2.790	-2.800	-2.809
	I	F"	3.266	3.267	3.269	3.271	3.272	3.274	3.276	3.277	3.279	3.281
0.308	I	F'	-2.819	-2.829	-2.839	-2.849	-2.859	-2.869	-2.879	-2.890	-2.900	-2.911
	I	F"	3.283	3.284	3.286	3.288	3.289	3.291	3.293	3.294	3.296	3.298
0.309	I	F'	-2.921	-2.932	-2.943	-2.954	-2.965	-2.976	-2.988	-2.999	-3.011	-3.022
	I	F"	3.300	3.301	3.303	3.305	3.306	3.308	3.310	3.312	3.313	3.315
0.310	I	F'	-3.034	-3.046	-3.058	-3.070	-3.083	-3.095	-3.108	-3.121	-3.134	-3.147
	I	F"	3.317	3.318	3.320	3.322	3.323	3.325	3.327	3.329	3.330	3.332
0.311	I	F'	-3.160	-3.174	-3.187	-3.201	-3.215	-3.230	-3.244	-3.259	-3.273	-3.288
	I	F"	3.334	3.335	3.337	3.339	3.341	3.342	3.344	3.346	3.347	3.349
0.312	I	F'	-3.304	-3.319	-3.335	-3.351	-3.367	-3.383	-3.400	-3.417	-3.434	-3.452
	I	F"	3.351	3.353	3.354	3.356	3.358	3.359	3.361	3.363	3.365	3.366
0.313	I	F'	-3.469	-3.488	-3.506	-3.525	-3.544	-3.563	-3.583	-3.604	-3.624	-3.645
	I	F"	3.368	3.370	3.371	3.373	3.375	3.377	3.378	3.380	3.382	3.383
0.314	I	F'	-3.667	-3.689	-3.711	-3.734	-3.758	-3.782	-3.807	-3.832	-3.858	-3.884
	I	F"	3.385	3.387	3.389	3.390	3.392	3.394	3.395	3.397	3.399	3.401
0.315	I	F'	-3.912	-3.940	-3.969	-3.999	-4.029	-4.061	-4.093	-4.127	-4.162	-4.198
	I	F"	3.402	3.404	3.406	3.407	3.409	3.411	3.413	3.414	3.416	3.418
0.316	I	F'	-4.236	-4.275	-4.316	-4.358	-4.402	-4.449	-4.497	-4.549	-4.603	-4.660
	I	F"	3.419	3.421	3.423	3.425	3.426	3.428	3.430	3.431	3.433	3.435
0.317	I	F'	-4.721	-4.786	-4.856	-4.931	-5.012	-5.102	-5.200	-5.310	-5.434	-5.576
	I	F"	3.437	3.438	3.440	3.442	3.444	3.445	3.447	3.449	3.450	3.452
0.318	I	F'	-5.745	-5.950	-6.213	-6.582	-7.203	-10.202	-7.274	-6.624	-6.249	-5.985
	I	F"	3.454	3.456	3.457	3.459	3.461	3.463	0.582	0.583	0.583	0.583
0.319	I	F'	-5.781	-5.616	-5.476	-5.355	-5.249	-5.154	-5.069	-4.991	-4.919	-4.853
	I	F"	0.584	0.584	0.585	0.585	0.585	0.586	0.586	0.586	0.587	0.587
0.320	I	F'	-4.792	-4.734	-4.681	-4.630	-4.582	-4.537	-4.494	-4.453	-4.414	-4.377
	I	F"	0.587	0.588	0.588	0.588	0.589	0.589	0.589	0.590	0.590	0.590
0.321	I	F'	-4.341	-4.307	-4.274	-4.242	-4.212	-4.182	-4.154	-4.126	-4.100	-4.074
	I	F"	0.591	0.591	0.591	0.592	0.592	0.592	0.593	0.593	0.593	0.594
0.322	I	F'	-4.049	-4.024	-4.001	-3.978	-3.956	-3.934	-3.913	-3.892	-3.872	-3.853
	I	F"	0.594	0.594	0.595	0.595	0.595	0.596	0.596	0.596	0.597	0.597
0.323	I	F'	-3.833	-3.815	-3.797	-3.779	-3.761	-3.744	-3.727	-3.711	-3.695	-3.679
	I	F"	0.597	0.598	0.598	0.598	0.599	0.599	0.599	0.600	0.600	0.600
0.324	I	F'	-3.664	-3.649	-3.634	-3.619	-3.605	-3.591	-3.577	-3.563	-3.550	-3.537
	I	F"	0.601	0.601	0.601	0.602	0.602	0.602	0.603	0.603	0.603	0.604
0.325	I	F'	-3.524	-3.511	-3.499	-3.486	-3.474	-3.462	-3.451	-3.439	-3.428	-3.417
	I	F"	0.604	0.604	0.605	0.605	0.605	0.606	0.606	0.606	0.607	0.607
0.326	I	F'	-3.406	-3.395	-3.384	-3.373	-3.363	-3.353	-3.342	-3.332	-3.322	-3.313
	I	F"	0.608	0.608	0.608	0.609	0.609	0.609	0.610	0.610	0.610	0.611
0.327	I	F'	-3.303	-3.293	-3.284	-3.275	-3.266	-3.256	-3.247	-3.239	-3.230	-3.221
	I	F"	0.611	0.611	0.612	0.612	0.612	0.613	0.613	0.613	0.614	0.614
0.328	I	F'	-3.213	-3.204	-3.196	-3.188	-3.179	-3.171	-3.163	-3.155	-3.148	-3.140
	I	F"	0.614	0.615	0.615	0.615	0.616	0.616	0.616	0.617	0.617	0.617
0.329	I	F'	-3.132	-3.125	-3.117	-3.110	-3.102	-3.095	-3.088	-3.081	-3.073	-3.066
	I	F"	0.618	0.618	0.618	0.619	0.619	0.620	0.620	0.620	0.621	0.621
0.330	I	F'	-3.060	-3.053	-3.046	-3.039	-3.032	-3.026	-3.019	-3.013	-3.006	-3.000
	I	F"	0.621	0.622	0.622	0.622	0.623	0.623	0.623	0.624	0.624	0.624
0.331	I	F'	-2.994	-2.987	-2.981	-2.975	-2.969	-2.963	-2.957	-2.951	-2.945	-2.939
	I	F"	0.625	0.625	0.625	0.626	0.626	0.626	0.627	0.627	0.627	0.628
0.332	I	F'	-2.933	-2.927	-2.922	-2.916	-2.910	-2.905	-2.899	-2.894	-2.888	-2.883
	I	F"	0.628	0.628	0.629	0.629	0.630	0.630	0.630	0.631	0.631	0.631

ATOMIC SYMBOL = CE ATOMIC NUMBER = 58 K ABSORPTION EDGE (0.30648 Å; 40.4517 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.293	I	F'	-2.541	-2.548	-2.556	-2.564	-2.572	-2.580	-2.588	-2.596	-2.604	-2.612
	I	F"	3.213	3.214	3.216	3.218	3.220	3.221	3.223	3.225	3.227	3.228
0.294	I	F'	-2.620	-2.628	-2.637	-2.645	-2.653	-2.662	-2.671	-2.679	-2.688	-2.697
	I	F"	3.230	3.232	3.234	3.235	3.237	3.239	3.240	3.242	3.244	3.246
0.295	I	F'	-2.706	-2.714	-2.723	-2.733	-2.742	-2.751	-2.760	-2.770	-2.779	-2.789
	I	F"	3.247	3.249	3.251	3.253	3.254	3.256	3.258	3.260	3.261	3.263
0.296	I	F'	-2.798	-2.808	-2.818	-2.828	-2.838	-2.848	-2.858	-2.868	-2.879	-2.889
	I	F"	3.265	3.266	3.268	3.270	3.272	3.273	3.275	3.277	3.279	3.280
0.297	I	F'	-2.900	-2.910	-2.921	-2.932	-2.943	-2.954	-2.965	-2.977	-2.988	-3.000
	I	F"	3.282	3.284	3.286	3.287	3.289	3.291	3.293	3.294	3.296	3.298
0.298	I	F'	-3.012	-3.024	-3.036	-3.048	-3.060	-3.072	-3.085	-3.098	-3.111	-3.124
	I	F"	3.299	3.301	3.303	3.305	3.306	3.308	3.310	3.312	3.313	3.315
0.299	I	F'	-3.137	-3.150	-3.164	-3.177	-3.191	-3.205	-3.220	-3.234	-3.249	-3.264
	I	F"	3.317	3.319	3.320	3.322	3.324	3.326	3.327	3.329	3.331	3.332
0.300	I	F'	-3.279	-3.294	-3.309	-3.325	-3.341	-3.357	-3.374	-3.391	-3.408	-3.425
	I	F"	3.334	3.336	3.338	3.339	3.341	3.343	3.345	3.346	3.348	3.350
0.301	I	F'	-3.443	-3.461	-3.479	-3.497	-3.516	-3.536	-3.555	-3.575	-3.596	-3.616
	I	F"	3.352	3.353	3.355	3.357	3.359	3.360	3.362	3.364	3.366	3.367
0.302	I	F'	-3.638	-3.659	-3.682	-3.704	-3.727	-3.751	-3.776	-3.800	-3.826	-3.852
	I	F"	3.369	3.371	3.373	3.374	3.376	3.378	3.379	3.381	3.383	3.385
0.303	I	F'	-3.879	-3.907	-3.935	-3.964	-3.994	-4.025	-4.057	-4.091	-4.125	-4.160
	I	F"	3.386	3.388	3.390	3.392	3.393	3.395	3.397	3.399	3.400	3.402
0.304	I	F'	-4.197	-4.235	-4.275	-4.317	-4.360	-4.405	-4.453	-4.502	-4.555	-4.611
	I	F"	3.404	3.406	3.407	3.409	3.411	3.413	3.414	3.416	3.418	3.420
0.305	I	F'	-4.670	-4.733	-4.800	-4.872	-4.950	-5.036	-5.129	-5.233	-5.350	-5.484
	I	F"	3.421	3.423	3.425	3.427	3.428	3.430	3.432	3.434	3.435	3.437
0.306	I	F'	-5.639	-5.826	-6.060	-6.374	-6.852	-7.908	-7.756	-6.806	-6.354	-6.054
	I	F"	3.439	3.441	3.442	3.444	3.446	3.448	0.585	0.586	0.586	0.586
0.307	I	F'	-5.830	-5.651	-5.503	-5.376	-5.264	-5.166	-5.077	-4.997	-4.923	-4.855
	I	F"	0.587	0.587	0.587	0.588	0.588	0.588	0.589	0.589	0.589	0.590
0.308	I	F'	-4.792	-4.734	-4.679	-4.627	-4.579	-4.533	-4.489	-4.448	-4.408	-4.370
	I	F"	0.590	0.590	0.591	0.591	0.592	0.592	0.592	0.593	0.593	0.593
0.309	I	F'	-4.334	-4.300	-4.266	-4.234	-4.203	-4.174	-4.145	-4.117	-4.091	-4.065
	I	F"	0.594	0.594	0.594	0.595	0.595	0.595	0.596	0.596	0.596	0.597
0.310	I	F'	-4.040	-4.015	-3.991	-3.968	-3.946	-3.924	-3.903	-3.882	-3.862	-3.843
	I	F"	0.597	0.598	0.598	0.598	0.599	0.599	0.599	0.600	0.600	0.600
0.311	I	F'	-3.823	-3.805	-3.786	-3.768	-3.751	-3.734	-3.717	-3.701	-3.684	-3.669
	I	F"	0.601	0.601	0.601	0.602	0.602	0.602	0.603	0.603	0.604	0.604
0.312	I	F'	-3.653	-3.638	-3.623	-3.609	-3.594	-3.580	-3.566	-3.553	-3.539	-3.526
	I	F"	0.604	0.605	0.605	0.605	0.606	0.606	0.606	0.607	0.607	0.607
0.313	I	F'	-3.513	-3.501	-3.488	-3.476	-3.464	-3.452	-3.440	-3.429	-3.417	-3.406
	I	F"	0.608	0.608	0.608	0.609	0.609	0.610	0.610	0.610	0.611	0.611
0.314	I	F'	-3.395	-3.384	-3.374	-3.363	-3.353	-3.342	-3.332	-3.322	-3.312	-3.302
	I	F"	0.611	0.612	0.612	0.612	0.613	0.613	0.613	0.614	0.614	0.615
0.315	I	F'	-3.293	-3.283	-3.274	-3.265	-3.255	-3.246	-3.237	-3.229	-3.220	-3.211
	I	F"	0.615	0.615	0.616	0.616	0.616	0.617	0.617	0.617	0.618	0.618
0.316	I	F'	-3.203	-3.194	-3.186	-3.178	-3.170	-3.161	-3.153	-3.146	-3.138	-3.130
	I	F"	0.618	0.619	0.619	0.620	0.620	0.620	0.621	0.621	0.621	0.622
0.317	I	F'	-3.122	-3.115	-3.107	-3.100	-3.093	-3.085	-3.078	-3.071	-3.064	-3.057
	I	F"	0.622	0.622	0.623	0.623	0.624	0.624	0.624	0.625	0.625	0.625
0.318	I	F'	-3.050	-3.043	-3.036	-3.030	-3.023	-3.016	-3.010	-3.003	-2.997	-2.991
	I	F"	0.626	0.626	0.626	0.627	0.627	0.627	0.628	0.628	0.629	0.629
0.319	I	F'	-2.984	-2.978	-2.972	-2.966	-2.960	-2.954	-2.948	-2.942	-2.936	-2.930
	I	F"	0.629	0.630	0.630	0.630	0.631	0.631	0.631	0.632	0.632	0.633
0.320	I	F'	-2.924	-2.918	-2.913	-2.907	-2.901	-2.896	-2.890	-2.885	-2.879	-2.874
	I	F"	0.633	0.633	0.634	0.634	0.634	0.635	0.635	0.635	0.636	0.636

ATOMIC SYMBOL = PR ATOMIC NUMBER = 59 K ABSORPTION EDGE (0.29518 Å; 42.0003 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.281	I	F'	-2.466	-2.473	-2.481	-2.488	-2.500	-2.507	-2.515	-2.522	-2.530	-2.537
	I	F"	3.179	3.181	3.183	3.185	3.186	3.188	3.190	3.192	3.194	3.195
0.282	I	F'	-2.545	-2.553	-2.561	-2.569	-2.577	-2.585	-2.593	-2.601	-2.609	-2.618
	I	F"	3.197	3.199	3.201	3.203	3.204	3.206	3.208	3.210	3.212	3.213
0.283	I	F'	-2.626	-2.634	-2.643	-2.651	-2.660	-2.669	-2.677	-2.686	-2.695	-2.704
	I	F"	3.215	3.217	3.219	3.221	3.222	3.224	3.226	3.228	3.230	3.231
0.284	I	F'	-2.713	-2.722	-2.731	-2.741	-2.750	-2.760	-2.769	-2.779	-2.788	-2.798
	I	F"	3.233	3.235	3.237	3.239	3.240	3.242	3.244	3.246	3.248	3.249
0.285	I	F'	-2.808	-2.818	-2.828	-2.838	-2.848	-2.859	-2.869	-2.880	-2.890	-2.901
	I	F"	3.251	3.253	3.255	3.257	3.258	3.260	3.262	3.264	3.266	3.267
0.286	I	F'	-2.912	-2.923	-2.934	-2.945	-2.957	-2.968	-2.980	-2.991	-3.003	-3.015
	I	F"	3.269	3.271	3.273	3.275	3.276	3.278	3.280	3.282	3.284	3.286
0.287	I	F'	-3.027	-3.039	-3.052	-3.064	-3.077	-3.090	-3.103	-3.116	-3.129	-3.143
	I	F"	3.287	3.289	3.291	3.293	3.295	3.296	3.298	3.300	3.302	3.304
0.288	I	F'	-3.156	-3.170	-3.184	-3.198	-3.213	-3.227	-3.242	-3.257	-3.273	-3.288
	I	F"	3.305	3.307	3.309	3.311	3.313	3.314	3.316	3.318	3.320	3.322
0.289	I	F'	-3.304	-3.320	-3.336	-3.352	-3.369	-3.386	-3.403	-3.421	-3.439	-3.457
	I	F"	3.324	3.325	3.327	3.329	3.331	3.333	3.334	3.336	3.338	3.340
0.290	I	F'	-3.475	-3.494	-3.513	-3.533	-3.553	-3.573	-3.594	-3.615	-3.637	-3.659
	I	F"	3.342	3.343	3.345	3.347	3.349	3.351	3.353	3.354	3.356	3.358
0.291	I	F'	-3.681	-3.705	-3.728	-3.752	-3.777	-3.803	-3.829	-3.855	-3.883	-3.911
	I	F"	3.360	3.362	3.363	3.365	3.367	3.369	3.371	3.372	3.374	3.376
0.292	I	F'	-3.940	-3.970	-4.001	-4.033	-4.066	-4.100	-4.136	-4.172	-4.210	-4.250
	I	F"	3.378	3.380	3.382	3.383	3.385	3.387	3.389	3.391	3.392	3.394
0.293	I	F'	-4.291	-4.334	-4.379	-4.426	-4.476	-4.528	-4.584	-4.643	-4.705	-4.772
	I	F"	3.396	3.398	3.400	3.402	3.403	3.405	3.407	3.409	3.411	3.412
0.294	I	F'	-4.844	-4.922	-5.007	-5.100	-5.203	-5.319	-5.452	-5.606	-5.791	-6.023
	I	F"	3.414	3.416	3.418	3.420	3.422	3.423	3.425	3.427	3.429	3.431
0.295	I	F'	-6.333	-6.804	-7.829	-7.749	-6.782	-6.328	-6.028	-5.804	-5.626	-5.477
	I	F"	3.432	3.434	3.436	0.588	0.589	0.589	0.589	0.590	0.590	0.590
0.296	I	F'	-5.350	-5.240	-5.141	-5.053	-4.973	-4.900	-4.832	-4.769	-4.711	-4.656
	I	F"	0.591	0.591	0.592	0.592	0.592	0.593	0.593	0.593	0.594	0.594
0.297	I	F'	-4.605	-4.557	-4.511	-4.468	-4.426	-4.387	-4.350	-4.314	-4.279	-4.246
	I	F"	0.594	0.595	0.595	0.596	0.596	0.596	0.597	0.597	0.597	0.598
0.298	I	F'	-4.214	-4.184	-4.154	-4.126	-4.098	-4.072	-4.046	-4.021	-3.997	-3.973
	I	F"	0.598	0.599	0.599	0.599	0.600	0.600	0.600	0.601	0.601	0.601
0.299	I	F'	-3.950	-3.928	-3.906	-3.885	-3.865	-3.845	-3.825	-3.806	-3.787	-3.769
	I	F"	0.602	0.602	0.603	0.603	0.603	0.604	0.604	0.604	0.605	0.605
0.300	I	F'	-3.751	-3.734	-3.717	-3.700	-3.684	-3.668	-3.652	-3.637	-3.622	-3.607
	I	F"	0.606	0.606	0.606	0.607	0.607	0.607	0.608	0.608	0.608	0.609
0.301	I	F'	-3.593	-3.579	-3.565	-3.551	-3.537	-3.524	-3.511	-3.498	-3.486	-3.473
	I	F"	0.609	0.610	0.610	0.610	0.611	0.611	0.611	0.612	0.612	0.613
0.302	I	F'	-3.461	-3.449	-3.437	-3.426	-3.414	-3.403	-3.392	-3.381	-3.370	-3.359
	I	F"	0.613	0.613	0.614	0.614	0.614	0.615	0.615	0.615	0.616	0.616
0.303	I	F'	-3.349	-3.339	-3.328	-3.318	-3.308	-3.299	-3.289	-3.279	-3.270	-3.261
	I	F"	0.617	0.617	0.617	0.618	0.618	0.618	0.619	0.619	0.620	0.620
0.304	I	F'	-3.251	-3.242	-3.233	-3.224	-3.216	-3.207	-3.198	-3.190	-3.182	-3.173
	I	F"	0.620	0.621	0.621	0.621	0.622	0.622	0.623	0.623	0.623	0.624
0.305	I	F'	-3.165	-3.157	-3.149	-3.141	-3.133	-3.126	-3.118	-3.110	-3.103	-3.095
	I	F"	0.624	0.624	0.625	0.625	0.626	0.626	0.626	0.627	0.627	0.627
0.306	I	F'	-3.088	-3.081	-3.074	-3.067	-3.059	-3.052	-3.046	-3.039	-3.032	-3.025
	I	F"	0.628	0.628	0.629	0.629	0.629	0.630	0.630	0.630	0.631	0.631
0.307	I	F'	-3.018	-3.012	-3.005	-2.999	-2.992	-2.986	-2.980	-2.974	-2.967	-2.961
	I	F"	0.632	0.632	0.632	0.633	0.633	0.633	0.634	0.634	0.635	0.635
0.308	I	F'	-2.955	-2.949	-2.943	-2.937	-2.931	-2.925	-2.920	-2.914	-2.908	-2.902
	I	F"	0.635	0.636	0.636	0.636	0.637	0.637	0.638	0.638	0.638	0.639

ATOMIC SYMBOL = ND ATOMIC NUMBER = 60 K ABSORPTION EDGE (0.28453 Å; 43.5723 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.271	I	F'	-2.504	-2.511	-2.519	-2.534	-2.541	-2.549	-2.557	-2.565	-2.573	-2.581
	I	F"	3.173	3.175	3.177	3.179	3.181	3.182	3.184	3.186	3.188	3.190
0.272	I	F'	-2.589	-2.598	-2.606	-2.614	-2.623	-2.631	-2.640	-2.648	-2.657	-2.665
	I	F"	3.192	3.193	3.195	3.197	3.199	3.201	3.203	3.204	3.206	3.208
0.273	I	F'	-2.674	-2.683	-2.692	-2.701	-2.710	-2.719	-2.729	-2.738	-2.747	-2.757
	I	F"	3.210	3.212	3.214	3.215	3.217	3.219	3.221	3.223	3.225	3.226
0.274	I	F'	-2.766	-2.776	-2.786	-2.796	-2.806	-2.816	-2.826	-2.836	-2.846	-2.857
	I	F"	3.228	3.230	3.232	3.234	3.236	3.238	3.239	3.241	3.243	3.245
0.275	I	F'	-2.867	-2.878	-2.888	-2.899	-2.910	-2.921	-2.932	-2.944	-2.955	-2.967
	I	F"	3.247	3.249	3.250	3.252	3.254	3.256	3.258	3.260	3.261	3.263
0.276	I	F'	-2.978	-2.990	-3.002	-3.014	-3.026	-3.038	-3.051	-3.064	-3.076	-3.089
	I	F"	3.265	3.267	3.269	3.271	3.272	3.274	3.276	3.278	3.280	3.282
0.277	I	F'	-3.102	-3.116	-3.129	-3.143	-3.156	-3.170	-3.184	-3.199	-3.213	-3.228
	I	F"	3.283	3.285	3.287	3.289	3.291	3.293	3.295	3.296	3.298	3.300
0.278	I	F'	-3.243	-3.258	-3.274	-3.289	-3.305	-3.321	-3.338	-3.354	-3.371	-3.388
	I	F"	3.302	3.304	3.306	3.307	3.309	3.311	3.313	3.315	3.317	3.318
0.279	I	F'	-3.406	-3.423	-3.442	-3.460	-3.479	-3.498	-3.517	-3.537	-3.557	-3.578
	I	F"	3.320	3.322	3.324	3.326	3.328	3.329	3.331	3.333	3.335	3.337
0.280	I	F'	-3.599	-3.621	-3.642	-3.665	-3.688	-3.711	-3.735	-3.760	-3.785	-3.811
	I	F"	3.339	3.341	3.342	3.344	3.346	3.348	3.350	3.352	3.353	3.355
0.281	I	F'	-3.838	-3.865	-3.893	-3.922	-3.952	-3.983	-4.015	-4.047	-4.081	-4.116
	I	F"	3.357	3.359	3.361	3.363	3.364	3.366	3.368	3.370	3.372	3.374
0.282	I	F'	-4.153	-4.190	-4.230	-4.271	-4.313	-4.358	-4.405	-4.454	-4.506	-4.561
	I	F"	3.375	3.377	3.379	3.381	3.383	3.385	3.387	3.388	3.390	3.392
0.283	I	F'	-4.619	-4.681	-4.748	-4.819	-4.896	-4.980	-5.072	-5.174	-5.289	-5.420
	I	F"	3.394	3.396	3.398	3.399	3.401	3.403	3.405	3.407	3.409	3.410
0.284	I	F'	-5.572	-5.755	-5.983	-6.286	-6.744	-7.708	-7.793	-6.777	-6.314	-6.011
	I	F"	3.412	3.414	3.416	3.418	3.420	3.422	0.591	0.592	0.592	0.592
0.285	I	F'	-5.786	-5.608	-5.459	-5.332	-5.221	-5.123	-5.035	-4.955	-4.882	-4.815
	I	F"	0.593	0.593	0.593	0.594	0.594	0.595	0.595	0.595	0.596	0.596
0.286	I	F'	-4.752	-4.694	-4.640	-4.589	-4.541	-4.495	-4.452	-4.411	-4.372	-4.334
	I	F"	0.597	0.597	0.597	0.598	0.598	0.598	0.599	0.599	0.600	0.600
0.287	I	F'	-4.298	-4.264	-4.231	-4.200	-4.169	-4.140	-4.112	-4.084	-4.058	-4.032
	I	F"	0.600	0.601	0.601	0.601	0.602	0.602	0.603	0.603	0.603	0.604
0.288	I	F'	-4.007	-3.983	-3.960	-3.937	-3.915	-3.893	-3.872	-3.852	-3.832	-3.813
	I	F"	0.604	0.605	0.605	0.605	0.606	0.606	0.606	0.607	0.607	0.608
0.289	I	F'	-3.794	-3.775	-3.757	-3.739	-3.722	-3.705	-3.689	-3.672	-3.657	-3.641
	I	F"	0.608	0.608	0.609	0.609	0.610	0.610	0.610	0.611	0.611	0.611
0.290	I	F'	-3.626	-3.611	-3.596	-3.582	-3.568	-3.554	-3.540	-3.527	-3.514	-3.501
	I	F"	0.612	0.612	0.613	0.613	0.613	0.614	0.614	0.615	0.615	0.615
0.291	I	F'	-3.488	-3.476	-3.463	-3.451	-3.439	-3.427	-3.416	-3.405	-3.393	-3.382
	I	F"	0.616	0.616	0.616	0.617	0.617	0.618	0.618	0.618	0.619	0.619
0.292	I	F'	-3.371	-3.361	-3.350	-3.340	-3.329	-3.319	-3.309	-3.299	-3.290	-3.280
	I	F"	0.620	0.620	0.620	0.621	0.621	0.621	0.622	0.622	0.623	0.623
0.293	I	F'	-3.271	-3.261	-3.252	-3.243	-3.234	-3.225	-3.216	-3.207	-3.199	-3.190
	I	F"	0.623	0.624	0.624	0.625	0.625	0.625	0.626	0.626	0.627	0.627
0.294	I	F'	-3.182	-3.174	-3.165	-3.157	-3.149	-3.141	-3.133	-3.126	-3.118	-3.110
	I	F"	0.627	0.628	0.628	0.628	0.629	0.629	0.630	0.630	0.630	0.631
0.295	I	F'	-3.103	-3.095	-3.088	-3.081	-3.074	-3.066	-3.059	-3.052	-3.045	-3.038
	I	F"	0.631	0.632	0.632	0.632	0.633	0.633	0.634	0.634	0.634	0.635
0.296	I	F'	-3.032	-3.025	-3.018	-3.012	-3.005	-2.999	-2.992	-2.986	-2.979	-2.973
	I	F"	0.635	0.636	0.636	0.636	0.637	0.637	0.637	0.638	0.638	0.639
0.297	I	F'	-2.967	-2.961	-2.955	-2.949	-2.943	-2.937	-2.931	-2.925	-2.919	-2.914
	I	F"	0.639	0.639	0.640	0.640	0.641	0.641	0.641	0.642	0.642	0.643
0.298	I	F'	-2.908	-2.902	-2.897	-2.891	-2.885	-2.880	-2.875	-2.869	-2.864	-2.859
	I	F"	0.643	0.643	0.644	0.644	0.645	0.645	0.645	0.646	0.646	0.647

ATOMIC SYMBOL = PM ATOMIC NUMBER = 61 K ABSORPTION EDGE (0.27431 Å; 45.1957 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.260	I	F'	-2.430	-2.437	-2.444	-2.452	-2.459	-2.466	-2.474	-2.481	-2.489	-2.496
	I	F"	3.135	3.137	3.139	3.141	3.143	3.145	3.147	3.149	3.151	3.153
0.261	I	F'	-2.504	-2.512	-2.519	-2.527	-2.535	-2.543	-2.556	-2.564	-2.572	-2.581
	I	F"	3.155	3.157	3.159	3.161	3.163	3.165	3.167	3.169	3.171	3.172
0.262	I	F'	-2.589	-2.597	-2.605	-2.614	-2.622	-2.631	-2.639	-2.648	-2.657	-2.666
	I	F"	3.174	3.176	3.178	3.180	3.182	3.184	3.186	3.188	3.190	3.192
0.263	I	F'	-2.674	-2.683	-2.692	-2.702	-2.711	-2.720	-2.729	-2.739	-2.748	-2.758
	I	F"	3.193	3.195	3.197	3.199	3.201	3.203	3.205	3.207	3.209	3.211
0.264	I	F'	-2.768	-2.777	-2.787	-2.797	-2.807	-2.817	-2.828	-2.838	-2.848	-2.859
	I	F"	3.213	3.214	3.216	3.218	3.220	3.222	3.224	3.226	3.228	3.230
0.265	I	F'	-2.870	-2.880	-2.891	-2.902	-2.913	-2.924	-2.936	-2.947	-2.959	-2.970
	I	F"	3.232	3.234	3.235	3.237	3.239	3.241	3.243	3.245	3.247	3.249
0.266	I	F'	-2.982	-2.994	-3.006	-3.019	-3.031	-3.044	-3.056	-3.069	-3.082	-3.095
	I	F"	3.251	3.253	3.255	3.257	3.258	3.260	3.262	3.264	3.266	3.268
0.267	I	F'	-3.109	-3.122	-3.136	-3.150	-3.164	-3.178	-3.192	-3.207	-3.222	-3.237
	I	F"	3.270	3.272	3.274	3.276	3.278	3.279	3.281	3.283	3.285	3.287
0.268	I	F'	-3.252	-3.268	-3.283	-3.299	-3.316	-3.332	-3.349	-3.366	-3.383	-3.401
	I	F"	3.289	3.291	3.293	3.295	3.297	3.299	3.301	3.302	3.304	3.306
0.269	I	F'	-3.419	-3.437	-3.456	-3.475	-3.494	-3.513	-3.534	-3.554	-3.575	-3.596
	I	F"	3.308	3.310	3.312	3.314	3.316	3.318	3.320	3.322	3.324	3.325
0.270	I	F'	-3.618	-3.640	-3.663	-3.686	-3.710	-3.734	-3.759	-3.785	-3.811	-3.838
	I	F"	3.327	3.329	3.331	3.333	3.335	3.337	3.339	3.341	3.343	3.345
0.271	I	F'	-3.866	-3.895	-3.924	-3.954	-3.986	-4.018	-4.052	-4.086	-4.122	-4.159
	I	F"	3.347	3.349	3.350	3.352	3.354	3.356	3.358	3.360	3.362	3.364
0.272	I	F'	-4.198	-4.238	-4.280	-4.324	-4.370	-4.419	-4.470	-4.524	-4.581	-4.641
	I	F"	3.366	3.368	3.370	3.372	3.373	3.375	3.377	3.379	3.381	3.383
0.273	I	F'	-4.706	-4.775	-4.850	-4.932	-5.021	-5.120	-5.230	-5.356	-5.500	-5.672
	I	F"	3.385	3.387	3.389	3.391	3.393	3.395	3.397	3.398	3.400	3.402
0.274	I	F'	-5.884	-6.160	-6.557	-7.280	-8.584	-6.938	-6.395	-6.061	-5.819	-5.630
	I	F"	3.404	3.406	3.408	3.410	0.594	0.595	0.595	0.595	0.596	0.596
0.275	I	F'	-5.475	-5.343	-5.229	-5.128	-5.038	-4.956	-4.882	-4.813	-4.750	-4.691
	I	F"	0.597	0.597	0.597	0.598	0.598	0.599	0.599	0.599	0.600	0.600
0.276	I	F'	-4.636	-4.584	-4.535	-4.489	-4.446	-4.404	-4.365	-4.327	-4.291	-4.257
	I	F"	0.601	0.601	0.601	0.602	0.602	0.603	0.603	0.603	0.604	0.604
0.277	I	F'	-4.224	-4.192	-4.162	-4.132	-4.104	-4.076	-4.050	-4.024	-3.999	-3.975
	I	F"	0.604	0.605	0.605	0.606	0.606	0.606	0.607	0.607	0.608	0.608
0.278	I	F'	-3.951	-3.929	-3.907	-3.885	-3.864	-3.844	-3.824	-3.804	-3.785	-3.767
	I	F"	0.608	0.609	0.609	0.610	0.610	0.610	0.611	0.611	0.612	0.612
0.279	I	F'	-3.749	-3.731	-3.714	-3.697	-3.681	-3.664	-3.649	-3.633	-3.618	-3.603
	I	F"	0.612	0.613	0.613	0.614	0.614	0.614	0.615	0.615	0.616	0.616
0.280	I	F'	-3.588	-3.574	-3.560	-3.546	-3.532	-3.519	-3.506	-3.493	-3.480	-3.468
	I	F"	0.616	0.617	0.617	0.618	0.618	0.619	0.619	0.619	0.620	0.620
0.281	I	F'	-3.456	-3.444	-3.432	-3.420	-3.408	-3.397	-3.386	-3.375	-3.364	-3.353
	I	F"	0.621	0.621	0.621	0.622	0.622	0.623	0.623	0.623	0.624	0.624
0.282	I	F'	-3.343	-3.333	-3.322	-3.312	-3.302	-3.292	-3.283	-3.273	-3.264	-3.254
	I	F"	0.625	0.625	0.625	0.626	0.626	0.627	0.627	0.627	0.628	0.628
0.283	I	F'	-3.245	-3.236	-3.227	-3.218	-3.210	-3.201	-3.192	-3.184	-3.175	-3.167
	I	F"	0.629	0.629	0.629	0.630	0.630	0.631	0.631	0.631	0.632	0.632
0.284	I	F'	-3.159	-3.151	-3.143	-3.135	-3.127	-3.120	-3.112	-3.104	-3.097	-3.089
	I	F"	0.633	0.633	0.633	0.634	0.634	0.635	0.635	0.636	0.636	0.636
0.285	I	F'	-3.082	-3.075	-3.068	-3.061	-3.054	-3.047	-3.040	-3.033	-3.026	-3.019
	I	F"	0.637	0.637	0.638	0.638	0.638	0.639	0.639	0.640	0.640	0.640
0.286	I	F'	-3.013	-3.006	-3.000	-2.993	-2.987	-2.981	-2.974	-2.968	-2.962	-2.956
	I	F"	0.641	0.641	0.642	0.642	0.642	0.643	0.643	0.644	0.644	0.644
0.287	I	F'	-2.950	-2.944	-2.938	-2.932	-2.926	-2.920	-2.914	-2.909	-2.903	-2.897
	I	F"	0.645	0.645	0.646	0.646	0.647	0.647	0.647	0.648	0.648	0.649

ATOMIC SYMBOL = SM ATOMIC NUMBER = 62 K ABSORPTION EDGE (0.26464 Å; 46.8472 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.251	I	F'	-2.468	-2.476	-2.483	-2.491	-2.498	-2.506	-2.514	-2.522	-2.529	-2.537
	I	F"	3.129	3.131	3.133	3.135	3.137	3.139	3.141	3.143	3.145	3.147
0.252	I	F'	-2.545	-2.553	-2.561	-2.578	-2.586	-2.594	-2.602	-2.611	-2.619	-2.628
	I	F"	3.149	3.151	3.153	3.155	3.157	3.159	3.161	3.163	3.165	3.167
0.253	I	F'	-2.636	-2.645	-2.654	-2.663	-2.672	-2.681	-2.690	-2.699	-2.708	-2.717
	I	F"	3.169	3.171	3.173	3.175	3.177	3.179	3.181	3.183	3.185	3.187
0.254	I	F'	-2.727	-2.736	-2.746	-2.755	-2.765	-2.775	-2.785	-2.795	-2.805	-2.815
	I	F"	3.189	3.190	3.192	3.194	3.196	3.198	3.200	3.202	3.204	3.206
0.255	I	F'	-2.825	-2.836	-2.846	-2.857	-2.867	-2.878	-2.889	-2.900	-2.911	-2.922
	I	F"	3.208	3.210	3.212	3.214	3.216	3.218	3.220	3.222	3.224	3.226
0.256	I	F'	-2.934	-2.945	-2.957	-2.969	-2.981	-2.993	-3.005	-3.017	-3.029	-3.042
	I	F"	3.227	3.229	3.231	3.233	3.235	3.237	3.239	3.241	3.243	3.245
0.257	I	F'	-3.055	-3.068	-3.081	-3.094	-3.107	-3.121	-3.135	-3.149	-3.163	-3.177
	I	F"	3.247	3.249	3.251	3.253	3.255	3.257	3.259	3.261	3.263	3.265
0.258	I	F'	-3.192	-3.206	-3.221	-3.236	-3.252	-3.267	-3.283	-3.299	-3.316	-3.332
	I	F"	3.266	3.268	3.270	3.272	3.274	3.276	3.278	3.280	3.282	3.284
0.259	I	F'	-3.349	-3.366	-3.384	-3.401	-3.420	-3.438	-3.457	-3.476	-3.495	-3.515
	I	F"	3.286	3.288	3.290	3.292	3.294	3.296	3.298	3.300	3.302	3.304
0.260	I	F'	-3.535	-3.556	-3.577	-3.598	-3.620	-3.643	-3.666	-3.689	-3.714	-3.738
	I	F"	3.306	3.307	3.309	3.311	3.313	3.315	3.317	3.319	3.321	3.323
0.261	I	F'	-3.764	-3.790	-3.816	-3.844	-3.872	-3.901	-3.931	-3.962	-3.993	-4.026
	I	F"	3.325	3.327	3.329	3.331	3.333	3.335	3.337	3.339	3.341	3.343
0.262	I	F'	-4.060	-4.096	-4.132	-4.170	-4.210	-4.251	-4.294	-4.339	-4.387	-4.437
	I	F"	3.345	3.346	3.348	3.350	3.352	3.354	3.356	3.358	3.360	3.362
0.263	I	F'	-4.489	-4.545	-4.604	-4.667	-4.734	-4.807	-4.886	-4.972	-5.067	-5.173
	I	F"	3.364	3.366	3.368	3.370	3.372	3.374	3.376	3.378	3.380	3.382
0.264	I	F'	-5.292	-5.429	-5.591	-5.786	-6.036	-6.382	-6.948	-8.857	-7.188	-6.509
	I	F"	3.384	3.385	3.387	3.389	3.391	3.393	3.395	3.397	0.597	0.598
0.265	I	F'	-6.130	-5.866	-5.664	-5.500	-5.363	-5.244	-5.140	-5.047	-4.963	-4.887
	I	F"	0.598	0.598	0.599	0.599	0.600	0.600	0.601	0.601	0.601	0.602
0.266	I	F'	-4.817	-4.753	-4.693	-4.637	-4.585	-4.535	-4.489	-4.445	-4.403	-4.363
	I	F"	0.602	0.603	0.603	0.603	0.604	0.604	0.605	0.605	0.605	0.606
0.267	I	F'	-4.325	-4.289	-4.254	-4.221	-4.189	-4.159	-4.129	-4.100	-4.073	-4.046
	I	F"	0.606	0.607	0.607	0.608	0.608	0.608	0.609	0.609	0.610	0.610
0.268	I	F'	-4.020	-3.995	-3.971	-3.948	-3.925	-3.903	-3.881	-3.860	-3.840	-3.820
	I	F"	0.610	0.611	0.611	0.612	0.612	0.613	0.613	0.613	0.614	0.614
0.269	I	F'	-3.800	-3.781	-3.763	-3.745	-3.727	-3.710	-3.693	-3.677	-3.660	-3.645
	I	F"	0.615	0.615	0.615	0.616	0.616	0.617	0.617	0.618	0.618	0.618
0.270	I	F'	-3.629	-3.614	-3.599	-3.584	-3.570	-3.556	-3.542	-3.529	-3.515	-3.502
	I	F"	0.619	0.619	0.620	0.620	0.620	0.621	0.621	0.622	0.622	0.623
0.271	I	F'	-3.489	-3.477	-3.464	-3.452	-3.440	-3.428	-3.416	-3.405	-3.394	-3.382
	I	F"	0.623	0.623	0.624	0.624	0.625	0.625	0.626	0.626	0.626	0.627
0.272	I	F'	-3.372	-3.361	-3.350	-3.340	-3.329	-3.319	-3.309	-3.299	-3.289	-3.280
	I	F"	0.627	0.628	0.628	0.628	0.629	0.629	0.630	0.630	0.631	0.631
0.273	I	F'	-3.270	-3.261	-3.251	-3.242	-3.233	-3.224	-3.215	-3.207	-3.198	-3.189
	I	F"	0.631	0.632	0.632	0.633	0.633	0.634	0.634	0.634	0.635	0.635
0.274	I	F'	-3.181	-3.173	-3.165	-3.156	-3.148	-3.140	-3.133	-3.125	-3.117	-3.109
	I	F"	0.636	0.636	0.636	0.637	0.637	0.638	0.638	0.639	0.639	0.639
0.275	I	F'	-3.102	-3.094	-3.087	-3.080	-3.073	-3.065	-3.058	-3.051	-3.044	-3.038
	I	F"	0.640	0.640	0.641	0.641	0.642	0.642	0.642	0.643	0.643	0.644
0.276	I	F'	-3.031	-3.024	-3.017	-3.011	-3.004	-2.998	-2.991	-2.985	-2.979	-2.972
	I	F"	0.644	0.645	0.645	0.645	0.646	0.646	0.647	0.647	0.648	0.648
0.277	I	F'	-2.966	-2.960	-2.954	-2.948	-2.942	-2.936	-2.930	-2.924	-2.919	-2.913
	I	F"	0.648	0.649	0.649	0.650	0.650	0.650	0.651	0.651	0.652	0.652
0.278	I	F'	-2.907	-2.902	-2.896	-2.891	-2.885	-2.880	-2.874	-2.869	-2.863	-2.858
	I	F"	0.653	0.653	0.653	0.654	0.654	0.655	0.655	0.656	0.656	0.656

ATOMIC SYMBOL = EU ATOMIC NUMBER = 63 K ABSORPTION EDGE (0.25553 Å; 48.5174 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.242	I	F'	-2.474	-2.481	-2.489	-2.496	-2.504	-2.512	-2.520	-2.528	-2.536	-2.544
	I	F"	3.111	3.113	3.116	3.118	3.120	3.122	3.124	3.126	3.128	3.130
0.243	I	F'	-2.552	-2.560	-2.568	-2.576	-2.584	-2.593	-2.608	-2.617	-2.625	-2.634
	I	F"	3.132	3.134	3.136	3.138	3.141	3.143	3.145	3.147	3.149	3.151
0.244	I	F'	-2.643	-2.651	-2.660	-2.669	-2.678	-2.687	-2.696	-2.706	-2.715	-2.724
	I	F"	3.153	3.155	3.157	3.159	3.161	3.163	3.165	3.167	3.169	3.171
0.245	I	F'	-2.734	-2.743	-2.753	-2.763	-2.773	-2.783	-2.793	-2.803	-2.813	-2.823
	I	F"	3.173	3.175	3.177	3.179	3.181	3.183	3.185	3.187	3.189	3.191
0.246	I	F'	-2.834	-2.844	-2.855	-2.866	-2.877	-2.888	-2.899	-2.910	-2.921	-2.933
	I	F"	3.193	3.195	3.197	3.199	3.201	3.203	3.205	3.207	3.209	3.211
0.247	I	F'	-2.944	-2.956	-2.968	-2.980	-2.992	-3.004	-3.016	-3.029	-3.042	-3.054
	I	F"	3.213	3.215	3.217	3.220	3.222	3.224	3.226	3.228	3.230	3.232
0.248	I	F'	-3.067	-3.081	-3.094	-3.107	-3.121	-3.135	-3.149	-3.163	-3.178	-3.192
	I	F"	3.234	3.236	3.238	3.240	3.242	3.244	3.246	3.248	3.250	3.252
0.249	I	F'	-3.207	-3.222	-3.238	-3.253	-3.269	-3.285	-3.301	-3.318	-3.335	-3.352
	I	F"	3.254	3.256	3.258	3.260	3.262	3.264	3.266	3.268	3.270	3.272
0.250	I	F'	-3.369	-3.387	-3.405	-3.423	-3.442	-3.461	-3.480	-3.500	-3.520	-3.540
	I	F"	3.274	3.276	3.278	3.280	3.282	3.284	3.286	3.288	3.290	3.292
0.251	I	F'	-3.561	-3.583	-3.605	-3.627	-3.650	-3.673	-3.697	-3.722	-3.747	-3.773
	I	F"	3.294	3.296	3.298	3.301	3.303	3.305	3.307	3.309	3.311	3.313
0.252	I	F'	-3.799	-3.826	-3.855	-3.883	-3.913	-3.944	-3.975	-4.008	-4.042	-4.077
	I	F"	3.315	3.317	3.319	3.321	3.323	3.325	3.327	3.329	3.331	3.333
0.253	I	F'	-4.113	-4.151	-4.190	-4.231	-4.274	-4.319	-4.366	-4.415	-4.467	-4.523
	I	F"	3.335	3.337	3.339	3.341	3.343	3.345	3.347	3.349	3.351	3.353
0.254	I	F'	-4.581	-4.644	-4.710	-4.783	-4.861	-4.946	-5.039	-5.144	-5.261	-5.396
	I	F"	3.355	3.357	3.359	3.361	3.363	3.365	3.367	3.369	3.371	3.374
0.255	I	F'	-5.555	-5.746	-5.989	-6.323	-6.859	-8.405	-7.243	-6.521	-6.130	-5.862
	I	F"	3.376	3.378	3.380	3.382	3.384	3.386	0.600	0.601	0.601	0.601
0.256	I	F'	-5.657	-5.492	-5.353	-5.234	-5.129	-5.036	-4.952	-4.876	-4.806	-4.741
	I	F"	0.602	0.602	0.603	0.603	0.604	0.604	0.604	0.605	0.605	0.606
0.257	I	F'	-4.682	-4.626	-4.573	-4.524	-4.478	-4.434	-4.392	-4.353	-4.315	-4.279
	I	F"	0.606	0.607	0.607	0.607	0.608	0.608	0.609	0.609	0.610	0.610
0.258	I	F'	-4.244	-4.211	-4.179	-4.149	-4.119	-4.091	-4.063	-4.037	-4.011	-3.986
	I	F"	0.611	0.611	0.611	0.612	0.612	0.613	0.613	0.614	0.614	0.614
0.259	I	F'	-3.962	-3.939	-3.916	-3.894	-3.872	-3.851	-3.831	-3.811	-3.792	-3.773
	I	F"	0.615	0.615	0.616	0.616	0.617	0.617	0.617	0.618	0.618	0.619
0.260	I	F'	-3.755	-3.737	-3.719	-3.702	-3.685	-3.669	-3.653	-3.637	-3.622	-3.607
	I	F"	0.619	0.620	0.620	0.620	0.621	0.621	0.622	0.622	0.623	0.623
0.261	I	F'	-3.592	-3.577	-3.563	-3.549	-3.535	-3.522	-3.509	-3.496	-3.483	-3.470
	I	F"	0.624	0.624	0.624	0.625	0.625	0.626	0.626	0.627	0.627	0.627
0.262	I	F'	-3.458	-3.446	-3.434	-3.422	-3.410	-3.399	-3.388	-3.377	-3.366	-3.355
	I	F"	0.628	0.628	0.629	0.629	0.630	0.630	0.630	0.631	0.631	0.632
0.263	I	F'	-3.345	-3.334	-3.324	-3.314	-3.304	-3.294	-3.284	-3.275	-3.265	-3.256
	I	F"	0.632	0.633	0.633	0.634	0.634	0.634	0.635	0.635	0.636	0.636
0.264	I	F'	-3.247	-3.237	-3.228	-3.220	-3.211	-3.202	-3.194	-3.185	-3.177	-3.168
	I	F"	0.637	0.637	0.638	0.638	0.638	0.639	0.639	0.640	0.640	0.641
0.265	I	F'	-3.160	-3.152	-3.144	-3.136	-3.129	-3.121	-3.113	-3.106	-3.098	-3.091
	I	F"	0.641	0.641	0.642	0.642	0.643	0.643	0.644	0.644	0.645	0.645
0.266	I	F'	-3.084	-3.076	-3.069	-3.062	-3.055	-3.048	-3.041	-3.034	-3.028	-3.021
	I	F"	0.645	0.646	0.646	0.647	0.647	0.648	0.648	0.649	0.649	0.649
0.267	I	F'	-3.014	-3.008	-3.001	-2.995	-2.989	-2.982	-2.976	-2.970	-2.964	-2.958
	I	F"	0.650	0.650	0.651	0.651	0.652	0.652	0.653	0.653	0.653	0.654
0.268	I	F'	-2.951	-2.946	-2.940	-2.934	-2.928	-2.922	-2.916	-2.911	-2.905	-2.900
	I	F"	0.654	0.655	0.655	0.656	0.656	0.657	0.657	0.657	0.658	0.658
0.269	I	F'	-2.894	-2.888	-2.883	-2.878	-2.872	-2.867	-2.862	-2.856	-2.851	-2.846
	I	F"	0.659	0.659	0.660	0.660	0.661	0.661	0.661	0.662	0.662	0.663

ATOMIC SYMBOL = GD ATOMIC NUMBER = 64 K ABSORPTION EDGE (0.24681 Å; 50.2315 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.233	I	F'	-2.449	-2.456	-2.463	-2.471	-2.478	-2.486	-2.494	-2.501	-2.509	-2.517
	I	F"	3.083	3.085	3.087	3.090	3.092	3.094	3.096	3.098	3.100	3.103
0.234	I	F'	-2.525	-2.533	-2.541	-2.549	-2.557	-2.565	-2.573	-2.582	-2.590	-2.598
	I	F"	3.105	3.107	3.109	3.111	3.113	3.115	3.118	3.120	3.122	3.124
0.235	I	F'	-2.607	-2.615	-2.630	-2.638	-2.647	-2.656	-2.665	-2.674	-2.683	-2.692
	I	F"	3.126	3.128	3.130	3.133	3.135	3.137	3.139	3.141	3.143	3.145
0.236	I	F'	-2.702	-2.711	-2.720	-2.730	-2.739	-2.749	-2.759	-2.769	-2.779	-2.789
	I	F"	3.147	3.149	3.151	3.153	3.156	3.158	3.160	3.162	3.164	3.166
0.237	I	F'	-2.799	-2.809	-2.819	-2.830	-2.840	-2.851	-2.862	-2.873	-2.884	-2.895
	I	F"	3.168	3.170	3.172	3.174	3.177	3.179	3.181	3.183	3.185	3.187
0.238	I	F'	-2.906	-2.917	-2.929	-2.940	-2.952	-2.964	-2.976	-2.988	-3.000	-3.013
	I	F"	3.189	3.191	3.193	3.195	3.198	3.200	3.202	3.204	3.206	3.208
0.239	I	F'	-3.025	-3.038	-3.051	-3.064	-3.077	-3.090	-3.104	-3.118	-3.131	-3.146
	I	F"	3.210	3.212	3.214	3.216	3.218	3.221	3.223	3.225	3.227	3.229
0.240	I	F'	-3.160	-3.174	-3.189	-3.204	-3.219	-3.234	-3.250	-3.266	-3.282	-3.298
	I	F"	3.231	3.233	3.235	3.237	3.239	3.242	3.244	3.246	3.248	3.250
0.241	I	F'	-3.315	-3.332	-3.349	-3.366	-3.384	-3.402	-3.421	-3.439	-3.458	-3.478
	I	F"	3.252	3.254	3.256	3.258	3.260	3.263	3.265	3.267	3.269	3.271
0.242	I	F'	-3.498	-3.518	-3.539	-3.560	-3.581	-3.603	-3.626	-3.649	-3.672	-3.697
	I	F"	3.273	3.275	3.277	3.279	3.282	3.284	3.286	3.288	3.290	3.292
0.243	I	F'	-3.721	-3.747	-3.773	-3.799	-3.827	-3.855	-3.884	-3.914	-3.945	-3.977
	I	F"	3.294	3.296	3.298	3.300	3.303	3.305	3.307	3.309	3.311	3.313
0.244	I	F'	-4.011	-4.045	-4.080	-4.117	-4.156	-4.195	-4.237	-4.281	-4.326	-4.374
	I	F"	3.315	3.317	3.319	3.322	3.324	3.326	3.328	3.330	3.332	3.334
0.245	I	F'	-4.425	-4.478	-4.535	-4.595	-4.659	-4.728	-4.802	-4.883	-4.972	-5.070
	I	F"	3.336	3.338	3.340	3.343	3.345	3.347	3.349	3.351	3.353	3.355
0.246	I	F'	-5.180	-5.305	-5.450	-5.622	-5.834	-6.113	-6.519	-7.285	-8.145	-6.793
	I	F"	3.357	3.359	3.362	3.364	3.366	3.368	3.370	3.372	0.603	0.603
0.247	I	F'	-6.285	-5.967	-5.735	-5.553	-5.403	-5.275	-5.164	-5.066	-4.978	-4.899
	I	F"	0.603	0.604	0.604	0.605	0.605	0.606	0.606	0.607	0.607	0.607
0.248	I	F'	-4.826	-4.759	-4.698	-4.640	-4.586	-4.536	-4.488	-4.444	-4.401	-4.361
	I	F"	0.608	0.608	0.609	0.609	0.610	0.610	0.611	0.611	0.611	0.612
0.249	I	F'	-4.322	-4.286	-4.250	-4.217	-4.185	-4.154	-4.124	-4.095	-4.067	-4.040
	I	F"	0.612	0.613	0.613	0.614	0.614	0.615	0.615	0.615	0.616	0.616
0.250	I	F'	-4.014	-3.989	-3.965	-3.941	-3.919	-3.896	-3.875	-3.854	-3.833	-3.813
	I	F"	0.617	0.617	0.618	0.618	0.619	0.619	0.620	0.620	0.620	0.621
0.251	I	F'	-3.794	-3.775	-3.757	-3.738	-3.721	-3.704	-3.687	-3.670	-3.654	-3.638
	I	F"	0.621	0.622	0.622	0.623	0.623	0.624	0.624	0.624	0.625	0.625
0.252	I	F'	-3.623	-3.608	-3.593	-3.578	-3.564	-3.550	-3.536	-3.523	-3.510	-3.497
	I	F"	0.626	0.626	0.627	0.627	0.628	0.628	0.629	0.629	0.629	0.630
0.253	I	F'	-3.484	-3.471	-3.459	-3.447	-3.435	-3.423	-3.411	-3.400	-3.389	-3.378
	I	F"	0.630	0.631	0.631	0.632	0.632	0.633	0.633	0.634	0.634	0.634
0.254	I	F'	-3.367	-3.356	-3.346	-3.335	-3.325	-3.315	-3.305	-3.295	-3.285	-3.276
	I	F"	0.635	0.635	0.636	0.636	0.637	0.637	0.638	0.638	0.639	0.639
0.255	I	F'	-3.266	-3.257	-3.248	-3.239	-3.230	-3.221	-3.212	-3.203	-3.195	-3.186
	I	F"	0.639	0.640	0.640	0.641	0.641	0.642	0.642	0.643	0.643	0.644
0.256	I	F'	-3.178	-3.170	-3.162	-3.154	-3.146	-3.138	-3.130	-3.122	-3.115	-3.107
	I	F"	0.644	0.644	0.645	0.645	0.646	0.646	0.647	0.647	0.648	0.648
0.257	I	F'	-3.100	-3.092	-3.085	-3.078	-3.071	-3.064	-3.057	-3.050	-3.043	-3.036
	I	F"	0.649	0.649	0.650	0.650	0.650	0.651	0.651	0.652	0.652	0.653
0.258	I	F'	-3.029	-3.023	-3.016	-3.010	-3.003	-2.997	-2.991	-2.984	-2.978	-2.972
	I	F"	0.653	0.654	0.654	0.655	0.655	0.656	0.656	0.656	0.657	0.657
0.259	I	F'	-2.966	-2.960	-2.954	-2.948	-2.942	-2.936	-2.930	-2.924	-2.919	-2.913
	I	F"	0.658	0.658	0.659	0.659	0.660	0.660	0.661	0.661	0.662	0.662
0.260	I	F'	-2.907	-2.902	-2.896	-2.891	-2.886	-2.880	-2.875	-2.870	-2.864	-2.859
	I	F"	0.662	0.663	0.663	0.664	0.664	0.665	0.665	0.666	0.666	0.667

ATOMIC SYMBOL = TB ATOMIC NUMBER = 65 K ABSORPTION EDGE (0.23841 Å; 52.0013 KEV)

			0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.224	I	F'	-2.396	-2.403	-2.410	-2.417	-2.424	-2.431	-2.439	-2.446	-2.453	-2.461
	I	F"	3.049	3.051	3.054	3.056	3.058	3.060	3.063	3.065	3.067	3.069
0.225	I	F'	-2.468	-2.476	-2.483	-2.491	-2.499	-2.507	-2.514	-2.522	-2.530	-2.538
	I	F"	3.071	3.074	3.076	3.078	3.080	3.082	3.085	3.087	3.089	3.091
0.226	I	F'	-2.546	-2.554	-2.562	-2.571	-2.579	-2.587	-2.596	-2.604	-2.613	-2.622
	I	F"	3.094	3.096	3.098	3.100	3.102	3.105	3.107	3.109	3.111	3.113
0.227	I	F'	-2.630	-2.639	-2.648	-2.664	-2.673	-2.682	-2.692	-2.701	-2.710	-2.720
	I	F"	3.116	3.118	3.120	3.122	3.124	3.127	3.129	3.131	3.133	3.135
0.228	I	F'	-2.729	-2.739	-2.748	-2.758	-2.768	-2.778	-2.788	-2.798	-2.808	-2.819
	I	F"	3.137	3.139	3.142	3.144	3.146	3.148	3.150	3.152	3.154	3.157
0.229	I	F'	-2.829	-2.840	-2.850	-2.861	-2.872	-2.883	-2.894	-2.905	-2.917	-2.928
	I	F"	3.159	3.161	3.163	3.165	3.167	3.169	3.172	3.174	3.176	3.178
0.230	I	F'	-2.940	-2.951	-2.963	-2.975	-2.987	-3.000	-3.012	-3.025	-3.037	-3.050
	I	F"	3.180	3.182	3.184	3.187	3.189	3.191	3.193	3.195	3.197	3.199
0.231	I	F'	-3.063	-3.076	-3.090	-3.103	-3.117	-3.131	-3.145	-3.160	-3.174	-3.189
	I	F"	3.202	3.204	3.206	3.208	3.210	3.212	3.214	3.217	3.219	3.221
0.232	I	F'	-3.204	-3.219	-3.234	-3.250	-3.266	-3.282	-3.298	-3.315	-3.332	-3.349
	I	F"	3.223	3.225	3.227	3.229	3.232	3.234	3.236	3.238	3.240	3.242
0.233	I	F'	-3.366	-3.384	-3.402	-3.421	-3.440	-3.459	-3.478	-3.498	-3.518	-3.539
	I	F"	3.244	3.247	3.249	3.251	3.253	3.255	3.257	3.260	3.262	3.264
0.234	I	F'	-3.560	-3.582	-3.604	-3.627	-3.650	-3.674	-3.698	-3.723	-3.748	-3.774
	I	F"	3.266	3.268	3.270	3.272	3.275	3.277	3.279	3.281	3.283	3.285
0.235	I	F'	-3.801	-3.829	-3.857	-3.887	-3.917	-3.948	-3.981	-4.014	-4.048	-4.084
	I	F"	3.287	3.290	3.292	3.294	3.296	3.298	3.300	3.302	3.305	3.307
0.236	I	F'	-4.122	-4.160	-4.201	-4.243	-4.287	-4.333	-4.382	-4.433	-4.487	-4.545
	I	F"	3.309	3.311	3.313	3.315	3.317	3.320	3.322	3.324	3.326	3.328
0.237	I	F'	-4.606	-4.672	-4.742	-4.818	-4.902	-4.993	-5.095	-5.209	-5.340	-5.493
	I	F"	3.330	3.332	3.335	3.337	3.339	3.341	3.343	3.345	3.347	3.350
0.238	I	F'	-5.677	-5.908	-6.221	-6.709	-7.881	-7.367	-6.548	-6.135	-5.856	-5.647
	I	F"	3.352	3.354	3.356	3.358	3.360	0.606	0.606	0.607	0.607	0.608
0.239	I	F'	-5.479	-5.338	-5.218	-5.113	-5.020	-4.935	-4.859	-4.789	-4.725	-4.665
	I	F"	0.608	0.609	0.609	0.609	0.610	0.610	0.611	0.611	0.612	0.612
0.240	I	F'	-4.610	-4.557	-4.508	-4.462	-4.419	-4.377	-4.338	-4.300	-4.264	-4.230
	I	F"	0.613	0.613	0.614	0.614	0.615	0.615	0.615	0.616	0.616	0.617
0.241	I	F'	-4.197	-4.165	-4.135	-4.106	-4.078	-4.050	-4.024	-3.999	-3.974	-3.950
	I	F"	0.617	0.618	0.618	0.619	0.619	0.620	0.620	0.621	0.621	0.622
0.242	I	F'	-3.927	-3.905	-3.883	-3.862	-3.841	-3.821	-3.801	-3.782	-3.763	-3.745
	I	F"	0.622	0.622	0.623	0.623	0.624	0.624	0.625	0.625	0.626	0.626
0.243	I	F'	-3.728	-3.710	-3.693	-3.677	-3.660	-3.645	-3.629	-3.614	-3.599	-3.584
	I	F"	0.627	0.627	0.628	0.628	0.629	0.629	0.629	0.630	0.630	0.631
0.244	I	F'	-3.570	-3.556	-3.542	-3.528	-3.515	-3.502	-3.489	-3.477	-3.464	-3.452
	I	F"	0.631	0.632	0.632	0.633	0.633	0.634	0.634	0.635	0.635	0.636
0.245	I	F'	-3.440	-3.428	-3.417	-3.405	-3.394	-3.383	-3.372	-3.361	-3.351	-3.340
	I	F"	0.636	0.637	0.637	0.638	0.638	0.638	0.639	0.639	0.640	0.640
0.246	I	F'	-3.330	-3.320	-3.310	-3.300	-3.290	-3.281	-3.271	-3.262	-3.253	-3.243
	I	F"	0.641	0.641	0.642	0.642	0.643	0.643	0.644	0.644	0.645	0.645
0.247	I	F'	-3.235	-3.226	-3.217	-3.208	-3.200	-3.191	-3.183	-3.175	-3.167	-3.159
	I	F"	0.646	0.646	0.647	0.647	0.647	0.648	0.648	0.649	0.649	0.650
0.248	I	F'	-3.151	-3.143	-3.135	-3.127	-3.120	-3.112	-3.105	-3.097	-3.090	-3.083
	I	F"	0.650	0.651	0.651	0.652	0.652	0.653	0.653	0.654	0.654	0.655
0.249	I	F'	-3.076	-3.069	-3.062	-3.055	-3.048	-3.041	-3.034	-3.028	-3.021	-3.015
	I	F"	0.655	0.656	0.656	0.657	0.657	0.657	0.658	0.658	0.659	0.659
0.250	I	F'	-3.008	-3.002	-2.996	-2.989	-2.983	-2.977	-2.971	-2.965	-2.959	-2.953
	I	F"	0.660	0.660	0.661	0.661	0.662	0.662	0.663	0.663	0.664	0.664
0.251	I	F'	-2.947	-2.941	-2.935	-2.930	-2.924	-2.918	-2.913	-2.907	-2.902	-2.896
	I	F"	0.665	0.665	0.666	0.666	0.667	0.667	0.668	0.668	0.669	0.669

ATOMIC SYMBOL = DY ATOMIC NUMBER = 66 K ABSORPTION EDGE (0.23048 Å; 53.7905 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.216	I	F'	-2.389	-2.396	-2.403	-2.410	-2.417	-2.425	-2.432	-2.439	-2.446	-2.454
	I	F"	3.025	3.027	3.030	3.032	3.034	3.036	3.039	3.041	3.043	3.046
0.217	I	F'	-2.461	-2.469	-2.476	-2.484	-2.491	-2.499	-2.507	-2.515	-2.522	-2.530
	I	F"	3.048	3.050	3.052	3.055	3.057	3.059	3.062	3.064	3.066	3.068
0.218	I	F'	-2.538	-2.546	-2.554	-2.563	-2.571	-2.579	-2.588	-2.596	-2.604	-2.613
	I	F"	3.071	3.073	3.075	3.077	3.080	3.082	3.084	3.087	3.089	3.091
0.219	I	F'	-2.622	-2.630	-2.639	-2.648	-2.657	-2.666	-2.675	-2.690	-2.700	-2.709
	I	F"	3.093	3.096	3.098	3.100	3.103	3.105	3.107	3.109	3.112	3.114
0.220	I	F'	-2.718	-2.728	-2.737	-2.747	-2.757	-2.767	-2.777	-2.787	-2.797	-2.807
	I	F"	3.116	3.118	3.121	3.123	3.125	3.127	3.129	3.132	3.134	3.136
0.221	I	F'	-2.817	-2.828	-2.838	-2.849	-2.860	-2.871	-2.882	-2.893	-2.904	-2.915
	I	F"	3.138	3.140	3.143	3.145	3.147	3.149	3.152	3.154	3.156	3.158
0.222	I	F'	-2.927	-2.939	-2.950	-2.962	-2.974	-2.986	-2.999	-3.011	-3.024	-3.036
	I	F"	3.160	3.163	3.165	3.167	3.169	3.172	3.174	3.176	3.178	3.180
0.223	I	F'	-3.049	-3.062	-3.076	-3.089	-3.103	-3.116	-3.130	-3.145	-3.159	-3.173
	I	F"	3.183	3.185	3.187	3.189	3.192	3.194	3.196	3.198	3.200	3.203
0.224	I	F'	-3.188	-3.203	-3.218	-3.234	-3.250	-3.265	-3.282	-3.298	-3.315	-3.332
	I	F"	3.205	3.207	3.209	3.212	3.214	3.216	3.218	3.220	3.223	3.225
0.225	I	F'	-3.349	-3.367	-3.384	-3.403	-3.421	-3.440	-3.459	-3.479	-3.499	-3.519
	I	F"	3.227	3.229	3.232	3.234	3.236	3.238	3.240	3.243	3.245	3.247
0.226	I	F'	-3.540	-3.562	-3.583	-3.606	-3.628	-3.652	-3.676	-3.700	-3.725	-3.751
	I	F"	3.249	3.252	3.254	3.256	3.258	3.261	3.263	3.265	3.267	3.269
0.227	I	F'	-3.777	-3.804	-3.832	-3.861	-3.891	-3.921	-3.953	-3.986	-4.019	-4.054
	I	F"	3.272	3.274	3.276	3.278	3.281	3.283	3.285	3.287	3.289	3.292
0.228	I	F'	-4.091	-4.129	-4.168	-4.209	-4.252	-4.297	-4.344	-4.393	-4.446	-4.501
	I	F"	3.294	3.296	3.298	3.301	3.303	3.305	3.307	3.310	3.312	3.314
0.229	I	F'	-4.560	-4.623	-4.691	-4.764	-4.843	-4.929	-5.025	-5.132	-5.253	-5.392
	I	F"	3.316	3.318	3.321	3.323	3.325	3.327	3.330	3.332	3.334	3.336
0.230	I	F'	-5.558	-5.760	-6.023	-6.397	-7.060	-8.847	-6.862	-6.308	-5.973	-5.734
	I	F"	3.339	3.341	3.343	3.345	3.347	0.608	0.609	0.609	0.610	0.610
0.231	I	F'	-5.547	-5.394	-5.265	-5.153	-5.054	-4.966	-4.886	-4.814	-4.747	-4.685
	I	F"	0.610	0.611	0.611	0.612	0.612	0.613	0.613	0.614	0.614	0.615
0.232	I	F'	-4.628	-4.574	-4.524	-4.477	-4.432	-4.390	-4.349	-4.311	-4.275	-4.240
	I	F"	0.615	0.616	0.616	0.617	0.617	0.618	0.618	0.619	0.619	0.620
0.233	I	F'	-4.206	-4.174	-4.144	-4.114	-4.085	-4.058	-4.031	-4.006	-3.981	-3.957
	I	F"	0.620	0.621	0.621	0.622	0.622	0.623	0.623	0.624	0.624	0.625
0.234	I	F'	-3.933	-3.911	-3.889	-3.867	-3.847	-3.826	-3.807	-3.787	-3.769	-3.750
	I	F"	0.625	0.625	0.626	0.626	0.627	0.627	0.628	0.628	0.629	0.629
0.235	I	F'	-3.732	-3.715	-3.698	-3.681	-3.665	-3.649	-3.634	-3.618	-3.603	-3.589
	I	F"	0.630	0.630	0.631	0.631	0.632	0.632	0.633	0.633	0.634	0.634
0.236	I	F'	-3.574	-3.560	-3.546	-3.533	-3.519	-3.506	-3.493	-3.481	-3.468	-3.456
	I	F"	0.635	0.635	0.636	0.636	0.637	0.637	0.638	0.638	0.639	0.639
0.237	I	F'	-3.444	-3.432	-3.421	-3.409	-3.398	-3.387	-3.376	-3.365	-3.355	-3.344
	I	F"	0.640	0.640	0.641	0.641	0.642	0.642	0.643	0.643	0.644	0.644
0.238	I	F'	-3.334	-3.324	-3.314	-3.304	-3.294	-3.285	-3.275	-3.266	-3.257	-3.248
	I	F"	0.645	0.645	0.646	0.646	0.647	0.647	0.647	0.648	0.648	0.649
0.239	I	F'	-3.239	-3.230	-3.221	-3.213	-3.204	-3.196	-3.187	-3.179	-3.171	-3.163
	I	F"	0.649	0.650	0.650	0.651	0.651	0.652	0.652	0.653	0.653	0.654
0.240	I	F'	-3.155	-3.147	-3.139	-3.132	-3.124	-3.117	-3.109	-3.102	-3.095	-3.088
	I	F"	0.654	0.655	0.655	0.656	0.656	0.657	0.657	0.658	0.658	0.659
0.241	I	F'	-3.080	-3.073	-3.066	-3.060	-3.053	-3.046	-3.039	-3.033	-3.026	-3.020
	I	F"	0.659	0.660	0.660	0.661	0.661	0.662	0.662	0.663	0.663	0.664
0.242	I	F'	-3.013	-3.007	-3.001	-2.994	-2.988	-2.982	-2.976	-2.970	-2.964	-2.958
	I	F"	0.664	0.665	0.665	0.666	0.666	0.667	0.667	0.668	0.668	0.669
0.243	I	F'	-2.952	-2.946	-2.941	-2.935	-2.929	-2.924	-2.918	-2.912	-2.907	-2.902
	I	F"	0.669	0.670	0.670	0.671	0.671	0.672	0.672	0.673	0.673	0.674

ATOMIC SYMBOL = HO ATOMIC NUMBER = 67 K ABSORPTION EDGE (0.22291 Å; 55.6172 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.209	I	F'	-2.429	-2.436	-2.443	-2.451	-2.458	-2.465	-2.473	-2.480	-2.488	-2.496
	I	F"	3.018	3.020	3.022	3.025	3.027	3.029	3.032	3.034	3.036	3.039
0.210	I	F'	-2.503	-2.511	-2.519	-2.527	-2.535	-2.543	-2.551	-2.559	-2.567	-2.575
	I	F"	3.041	3.044	3.046	3.048	3.051	3.053	3.055	3.058	3.060	3.062
0.211	I	F'	-2.584	-2.592	-2.600	-2.609	-2.618	-2.626	-2.635	-2.644	-2.653	-2.662
	I	F"	3.065	3.067	3.069	3.072	3.074	3.076	3.079	3.081	3.083	3.086
0.212	I	F'	-2.671	-2.680	-2.689	-2.698	-2.708	-2.725	-2.735	-2.744	-2.754	-2.764
	I	F"	3.088	3.091	3.093	3.095	3.098	3.100	3.102	3.104	3.107	3.109
0.213	I	F'	-2.774	-2.784	-2.794	-2.804	-2.814	-2.825	-2.835	-2.846	-2.856	-2.867
	I	F"	3.111	3.114	3.116	3.118	3.120	3.123	3.125	3.127	3.129	3.132
0.214	I	F'	-2.878	-2.889	-2.900	-2.912	-2.923	-2.935	-2.946	-2.958	-2.970	-2.982
	I	F"	3.134	3.136	3.138	3.141	3.143	3.145	3.148	3.150	3.152	3.154
0.215	I	F'	-2.994	-3.007	-3.019	-3.032	-3.045	-3.058	-3.071	-3.084	-3.098	-3.111
	I	F"	3.157	3.159	3.161	3.163	3.166	3.168	3.170	3.172	3.175	3.177
0.216	I	F'	-3.125	-3.139	-3.154	-3.168	-3.183	-3.198	-3.213	-3.228	-3.244	-3.259
	I	F"	3.179	3.182	3.184	3.186	3.188	3.191	3.193	3.195	3.197	3.200
0.217	I	F'	-3.276	-3.292	-3.308	-3.325	-3.342	-3.360	-3.378	-3.396	-3.414	-3.433
	I	F"	3.202	3.204	3.206	3.209	3.211	3.213	3.215	3.218	3.220	3.222
0.218	I	F'	-3.452	-3.471	-3.491	-3.512	-3.532	-3.553	-3.575	-3.597	-3.620	-3.643
	I	F"	3.225	3.227	3.229	3.231	3.234	3.236	3.238	3.240	3.243	3.245
0.219	I	F'	-3.666	-3.691	-3.715	-3.741	-3.767	-3.794	-3.822	-3.850	-3.879	-3.910
	I	F"	3.247	3.249	3.252	3.254	3.256	3.259	3.261	3.263	3.265	3.268
0.220	I	F'	-3.941	-3.973	-4.007	-4.041	-4.077	-4.114	-4.153	-4.194	-4.236	-4.280
	I	F"	3.270	3.272	3.274	3.277	3.279	3.281	3.283	3.286	3.288	3.290
0.221	I	F'	-4.327	-4.375	-4.427	-4.482	-4.540	-4.601	-4.668	-4.739	-4.816	-4.901
	I	F"	3.293	3.295	3.297	3.299	3.302	3.304	3.306	3.308	3.311	3.313
0.222	I	F'	-4.994	-5.098	-5.215	-5.350	-5.509	-5.702	-5.948	-6.292	-6.863	-9.109
	I	F"	3.315	3.317	3.320	3.322	3.324	3.327	3.329	3.331	3.333	3.336
0.223	I	F'	-7.007	-6.373	-6.013	-5.760	-5.567	-5.409	-5.277	-5.162	-5.062	-4.972
	I	F"	0.611	0.612	0.612	0.613	0.613	0.614	0.614	0.615	0.615	0.616
0.224	I	F'	-4.892	-4.818	-4.751	-4.689	-4.631	-4.577	-4.526	-4.479	-4.434	-4.392
	I	F"	0.616	0.617	0.617	0.618	0.618	0.619	0.619	0.620	0.620	0.621
0.225	I	F'	-4.351	-4.313	-4.276	-4.241	-4.208	-4.176	-4.145	-4.115	-4.087	-4.059
	I	F"	0.621	0.622	0.622	0.623	0.623	0.624	0.624	0.625	0.625	0.626
0.226	I	F'	-4.033	-4.007	-3.982	-3.958	-3.935	-3.912	-3.890	-3.869	-3.848	-3.828
	I	F"	0.626	0.627	0.627	0.628	0.628	0.629	0.629	0.630	0.630	0.631
0.227	I	F'	-3.808	-3.789	-3.770	-3.752	-3.734	-3.717	-3.700	-3.683	-3.667	-3.651
	I	F"	0.631	0.632	0.632	0.633	0.633	0.634	0.634	0.635	0.635	0.636
0.228	I	F'	-3.636	-3.620	-3.606	-3.591	-3.577	-3.563	-3.549	-3.535	-3.522	-3.509
	I	F"	0.636	0.637	0.637	0.638	0.638	0.639	0.639	0.640	0.640	0.641
0.229	I	F'	-3.496	-3.484	-3.471	-3.459	-3.447	-3.435	-3.424	-3.412	-3.401	-3.390
	I	F"	0.641	0.642	0.642	0.643	0.643	0.644	0.644	0.645	0.646	0.646
0.230	I	F'	-3.379	-3.369	-3.358	-3.348	-3.338	-3.327	-3.318	-3.308	-3.298	-3.289
	I	F"	0.647	0.647	0.648	0.648	0.649	0.649	0.650	0.650	0.651	0.651
0.231	I	F'	-3.279	-3.270	-3.261	-3.252	-3.243	-3.234	-3.225	-3.217	-3.208	-3.200
	I	F"	0.652	0.652	0.653	0.653	0.654	0.654	0.655	0.655	0.656	0.656
0.232	I	F'	-3.192	-3.183	-3.175	-3.167	-3.159	-3.152	-3.144	-3.136	-3.129	-3.121
	I	F"	0.657	0.657	0.658	0.658	0.659	0.659	0.660	0.660	0.661	0.661
0.233	I	F'	-3.114	-3.107	-3.099	-3.092	-3.085	-3.078	-3.071	-3.065	-3.058	-3.051
	I	F"	0.662	0.662	0.663	0.663	0.664	0.664	0.665	0.666	0.666	0.667
0.234	I	F'	-3.044	-3.038	-3.031	-3.025	-3.018	-3.012	-3.006	-3.000	-2.994	-2.987
	I	F"	0.667	0.668	0.668	0.669	0.669	0.670	0.670	0.671	0.671	0.672
0.235	I	F'	-2.981	-2.975	-2.969	-2.964	-2.958	-2.952	-2.946	-2.941	-2.935	-2.929
	I	F"	0.672	0.673	0.673	0.674	0.674	0.675	0.675	0.676	0.676	0.677
0.236	I	F'	-2.924	-2.918	-2.913	-2.908	-2.902	-2.897	-2.892	-2.886	-2.881	-2.876
	I	F"	0.677	0.678	0.678	0.679	0.680	0.680	0.681	0.681	0.682	0.682

ATOMIC SYMBOL = ER ATOMIC NUMBER = 68 K ABSORPTION EDGE (0.21567 Å; 57.4843 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.202	I	F'	-2.447	-2.454	-2.462	-2.469	-2.476	-2.484	-2.491	-2.499	-2.507	-2.515
	I	F"	3.001	3.003	3.006	3.008	3.010	3.013	3.015	3.018	3.020	3.022
0.203	I	F'	-2.522	-2.530	-2.538	-2.546	-2.554	-2.562	-2.570	-2.579	-2.587	-2.595
	I	F"	3.025	3.027	3.030	3.032	3.035	3.037	3.039	3.042	3.044	3.047
0.204	I	F'	-2.604	-2.612	-2.621	-2.629	-2.638	-2.647	-2.656	-2.665	-2.674	-2.683
	I	F"	3.049	3.051	3.054	3.056	3.059	3.061	3.064	3.066	3.068	3.071
0.205	I	F'	-2.692	-2.701	-2.711	-2.720	-2.730	-2.739	-2.756	-2.766	-2.776	-2.786
	I	F"	3.073	3.076	3.078	3.081	3.083	3.085	3.088	3.090	3.092	3.095
0.206	I	F'	-2.796	-2.806	-2.816	-2.827	-2.837	-2.848	-2.858	-2.869	-2.880	-2.891
	I	F"	3.097	3.100	3.102	3.104	3.107	3.109	3.111	3.114	3.116	3.118
0.207	I	F'	-2.902	-2.914	-2.925	-2.937	-2.948	-2.960	-2.972	-2.984	-2.996	-3.009
	I	F"	3.121	3.123	3.125	3.128	3.130	3.132	3.135	3.137	3.139	3.142
0.208	I	F'	-3.021	-3.034	-3.047	-3.060	-3.073	-3.086	-3.100	-3.114	-3.128	-3.142
	I	F"	3.144	3.146	3.149	3.151	3.153	3.156	3.158	3.161	3.163	3.165
0.209	I	F'	-3.156	-3.170	-3.185	-3.200	-3.215	-3.231	-3.246	-3.262	-3.278	-3.295
	I	F"	3.168	3.170	3.172	3.175	3.177	3.179	3.182	3.184	3.186	3.189
0.210	I	F'	-3.311	-3.328	-3.345	-3.363	-3.381	-3.399	-3.417	-3.436	-3.455	-3.475
	I	F"	3.191	3.193	3.196	3.198	3.200	3.203	3.205	3.207	3.210	3.212
0.211	I	F'	-3.495	-3.515	-3.536	-3.557	-3.579	-3.601	-3.624	-3.647	-3.671	-3.695
	I	F"	3.215	3.217	3.219	3.222	3.224	3.226	3.229	3.231	3.233	3.236
0.212	I	F'	-3.720	-3.746	-3.772	-3.799	-3.827	-3.856	-3.886	-3.916	-3.948	-3.980
	I	F"	3.238	3.240	3.243	3.245	3.247	3.250	3.252	3.255	3.257	3.259
0.213	I	F'	-4.014	-4.049	-4.085	-4.123	-4.162	-4.204	-4.246	-4.291	-4.339	-4.388
	I	F"	3.262	3.264	3.266	3.269	3.271	3.273	3.276	3.278	3.280	3.283
0.214	I	F'	-4.441	-4.497	-4.556	-4.619	-4.687	-4.761	-4.841	-4.928	-5.025	-5.134
	I	F"	3.285	3.287	3.290	3.292	3.295	3.297	3.299	3.302	3.304	3.306
0.215	I	F'	-5.258	-5.401	-5.572	-5.784	-6.063	-6.474	-7.278	-7.827	-6.659	-6.184
	I	F"	3.309	3.311	3.313	3.316	3.318	3.320	3.323	0.614	0.614	0.615
0.216	I	F'	-5.881	-5.659	-5.483	-5.339	-5.215	-5.108	-5.013	-4.928	-4.851	-4.781
	I	F"	0.615	0.616	0.616	0.617	0.617	0.618	0.618	0.619	0.620	0.620
0.217	I	F'	-4.716	-4.656	-4.600	-4.548	-4.500	-4.453	-4.410	-4.369	-4.330	-4.292
	I	F"	0.621	0.621	0.622	0.622	0.623	0.623	0.624	0.624	0.625	0.625
0.218	I	F'	-4.257	-4.223	-4.190	-4.159	-4.129	-4.100	-4.072	-4.045	-4.019	-3.994
	I	F"	0.626	0.626	0.627	0.627	0.628	0.628	0.629	0.629	0.630	0.630
0.219	I	F'	-3.969	-3.946	-3.923	-3.901	-3.879	-3.858	-3.838	-3.818	-3.799	-3.780
	I	F"	0.631	0.631	0.632	0.633	0.633	0.634	0.634	0.635	0.635	0.636
0.220	I	F'	-3.762	-3.744	-3.726	-3.709	-3.692	-3.676	-3.660	-3.644	-3.629	-3.614
	I	F"	0.636	0.637	0.637	0.638	0.638	0.639	0.639	0.640	0.640	0.641
0.221	I	F'	-3.600	-3.585	-3.571	-3.557	-3.544	-3.530	-3.517	-3.504	-3.492	-3.479
	I	F"	0.641	0.642	0.643	0.643	0.644	0.644	0.645	0.645	0.646	0.646
0.222	I	F'	-3.467	-3.455	-3.444	-3.432	-3.421	-3.409	-3.398	-3.387	-3.377	-3.366
	I	F"	0.647	0.647	0.648	0.648	0.649	0.649	0.650	0.650	0.651	0.651
0.223	I	F'	-3.356	-3.346	-3.336	-3.326	-3.316	-3.306	-3.297	-3.287	-3.278	-3.269
	I	F"	0.652	0.653	0.653	0.654	0.654	0.655	0.655	0.656	0.656	0.657
0.224	I	F'	-3.260	-3.251	-3.242	-3.233	-3.225	-3.216	-3.208	-3.200	-3.192	-3.184
	I	F"	0.657	0.658	0.658	0.659	0.659	0.660	0.661	0.661	0.662	0.662
0.225	I	F'	-3.176	-3.168	-3.160	-3.152	-3.145	-3.137	-3.130	-3.122	-3.115	-3.108
	I	F"	0.663	0.663	0.664	0.664	0.665	0.665	0.666	0.666	0.667	0.667
0.226	I	F'	-3.101	-3.094	-3.087	-3.080	-3.073	-3.066	-3.060	-3.053	-3.046	-3.040
	I	F"	0.668	0.669	0.669	0.670	0.670	0.671	0.671	0.672	0.672	0.673
0.227	I	F'	-3.034	-3.027	-3.021	-3.015	-3.008	-3.002	-2.996	-2.990	-2.984	-2.978
	I	F"	0.673	0.674	0.674	0.675	0.676	0.676	0.677	0.677	0.678	0.678
0.228	I	F'	-2.972	-2.967	-2.961	-2.955	-2.950	-2.944	-2.938	-2.933	-2.927	-2.922
	I	F"	0.679	0.679	0.680	0.680	0.681	0.681	0.682	0.683	0.683	0.684
0.229	I	F'	-2.917	-2.911	-2.906	-2.901	-2.896	-2.890	-2.885	-2.880	-2.875	-2.870
	I	F"	0.684	0.685	0.685	0.686	0.686	0.687	0.687	0.688	0.689	0.689

ATOMIC SYMBOL = TM ATOMIC NUMBER = 69 K ABSORPTION EDGE (0.20880 Å; 59.3757 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.195	I	F'	-2.444	-2.451	-2.458	-2.465	-2.473	-2.480	-2.488	-2.495	-2.503	-2.511
	I	F"	2.978	2.980	2.982	2.985	2.987	2.990	2.992	2.995	2.997	3.000
0.196	I	F'	-2.518	-2.526	-2.534	-2.542	-2.550	-2.558	-2.566	-2.574	-2.582	-2.590
	I	F"	3.002	3.005	3.007	3.010	3.012	3.015	3.017	3.020	3.022	3.025
0.197	I	F'	-2.599	-2.607	-2.616	-2.624	-2.633	-2.642	-2.650	-2.659	-2.668	-2.677
	I	F"	3.027	3.030	3.032	3.035	3.037	3.040	3.042	3.045	3.047	3.050
0.198	I	F'	-2.686	-2.695	-2.705	-2.714	-2.723	-2.733	-2.742	-2.752	-2.762	-2.772
	I	F"	3.052	3.055	3.057	3.060	3.062	3.065	3.067	3.070	3.072	3.075
0.199	I	F'	-2.791	-2.801	-2.811	-2.821	-2.831	-2.842	-2.853	-2.863	-2.874	-2.885
	I	F"	3.077	3.080	3.082	3.084	3.087	3.089	3.092	3.094	3.096	3.099
0.200	I	F'	-2.896	-2.907	-2.918	-2.930	-2.941	-2.953	-2.965	-2.977	-2.989	-3.001
	I	F"	3.101	3.104	3.106	3.108	3.111	3.113	3.116	3.118	3.120	3.123
0.201	I	F'	-3.013	-3.026	-3.039	-3.051	-3.064	-3.077	-3.091	-3.104	-3.118	-3.132
	I	F"	3.125	3.128	3.130	3.132	3.135	3.137	3.139	3.142	3.144	3.147
0.202	I	F'	-3.146	-3.160	-3.175	-3.189	-3.204	-3.219	-3.235	-3.250	-3.266	-3.282
	I	F"	3.149	3.151	3.154	3.156	3.159	3.161	3.163	3.166	3.168	3.171
0.203	I	F'	-3.298	-3.315	-3.332	-3.349	-3.367	-3.384	-3.403	-3.421	-3.440	-3.459
	I	F"	3.173	3.175	3.178	3.180	3.183	3.185	3.187	3.190	3.192	3.195
0.204	I	F'	-3.478	-3.498	-3.519	-3.539	-3.561	-3.582	-3.604	-3.627	-3.650	-3.674
	I	F"	3.197	3.199	3.202	3.204	3.207	3.209	3.211	3.214	3.216	3.219
0.205	I	F'	-3.699	-3.724	-3.749	-3.776	-3.803	-3.831	-3.859	-3.889	-3.919	-3.951
	I	F"	3.221	3.223	3.226	3.228	3.230	3.233	3.235	3.238	3.240	3.242
0.206	I	F'	-3.984	-4.017	-4.052	-4.089	-4.126	-4.166	-4.207	-4.250	-4.295	-4.342
	I	F"	3.245	3.247	3.250	3.252	3.254	3.257	3.259	3.262	3.264	3.266
0.207	I	F'	-4.392	-4.445	-4.501	-4.560	-4.624	-4.693	-4.766	-4.847	-4.935	-5.033
	I	F"	3.269	3.271	3.274	3.276	3.278	3.281	3.283	3.286	3.288	3.290
0.208	I	F'	-5.143	-5.269	-5.415	-5.589	-5.807	-6.098	-6.538	-7.473	-7.504	-6.556
	I	F"	3.293	3.295	3.298	3.300	3.302	3.305	3.307	3.310	0.617	0.617
0.209	I	F'	-6.120	-5.834	-5.621	-5.452	-5.312	-5.192	-5.087	-4.994	-4.911	-4.836
	I	F"	0.618	0.618	0.619	0.619	0.620	0.620	0.621	0.621	0.622	0.622
0.210	I	F'	-4.767	-4.703	-4.645	-4.590	-4.538	-4.490	-4.445	-4.402	-4.361	-4.323
	I	F"	0.623	0.624	0.624	0.625	0.625	0.626	0.626	0.627	0.627	0.628
0.211	I	F'	-4.286	-4.251	-4.217	-4.185	-4.154	-4.125	-4.096	-4.068	-4.042	-4.016
	I	F"	0.628	0.629	0.629	0.630	0.631	0.631	0.632	0.632	0.633	0.633
0.212	I	F'	-3.991	-3.967	-3.944	-3.921	-3.899	-3.878	-3.857	-3.837	-3.818	-3.799
	I	F"	0.634	0.634	0.635	0.635	0.636	0.637	0.637	0.638	0.638	0.639
0.213	I	F'	-3.780	-3.762	-3.744	-3.727	-3.710	-3.693	-3.677	-3.661	-3.646	-3.631
	I	F"	0.639	0.640	0.640	0.641	0.641	0.642	0.643	0.643	0.644	0.644
0.214	I	F'	-3.616	-3.602	-3.587	-3.573	-3.560	-3.546	-3.533	-3.520	-3.507	-3.495
	I	F"	0.645	0.645	0.646	0.646	0.647	0.647	0.648	0.649	0.649	0.650
0.215	I	F'	-3.483	-3.471	-3.459	-3.447	-3.436	-3.424	-3.413	-3.402	-3.392	-3.381
	I	F"	0.650	0.651	0.651	0.652	0.652	0.653	0.653	0.654	0.655	0.655
0.216	I	F'	-3.371	-3.360	-3.350	-3.340	-3.330	-3.321	-3.311	-3.302	-3.292	-3.283
	I	F"	0.656	0.656	0.657	0.657	0.658	0.658	0.659	0.659	0.660	0.661
0.217	I	F'	-3.274	-3.265	-3.257	-3.248	-3.239	-3.231	-3.222	-3.214	-3.206	-3.198
	I	F"	0.661	0.662	0.662	0.663	0.663	0.664	0.664	0.665	0.666	0.666
0.218	I	F'	-3.190	-3.182	-3.174	-3.166	-3.159	-3.151	-3.144	-3.136	-3.129	-3.122
	I	F"	0.667	0.667	0.668	0.668	0.669	0.669	0.670	0.671	0.671	0.672
0.219	I	F'	-3.115	-3.108	-3.101	-3.094	-3.087	-3.080	-3.074	-3.067	-3.060	-3.054
	I	F"	0.672	0.673	0.673	0.674	0.674	0.675	0.676	0.676	0.677	0.677
0.220	I	F'	-3.048	-3.041	-3.035	-3.029	-3.022	-3.016	-3.010	-3.004	-2.998	-2.992
	I	F"	0.678	0.678	0.679	0.679	0.680	0.681	0.681	0.682	0.682	0.683
0.221	I	F'	-2.987	-2.981	-2.975	-2.969	-2.964	-2.958	-2.952	-2.947	-2.942	-2.936
	I	F"	0.683	0.684	0.684	0.685	0.686	0.686	0.687	0.687	0.688	0.688
0.222	I	F'	-2.931	-2.925	-2.920	-2.915	-2.910	-2.905	-2.900	-2.894	-2.889	-2.884
	I	F"	0.689	0.690	0.690	0.691	0.691	0.692	0.692	0.693	0.693	0.694

ATOMIC SYMBOL = YB ATOMIC NUMBER = 70 K ABSORPTION EDGE (0.20224 Å; 61.3016 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.188	I	F'	-2.421	-2.428	-2.435	-2.442	-2.449	-2.457	-2.464	-2.471	-2.478	-2.486
	I	F"	2.944	2.947	2.950	2.952	2.955	2.957	2.960	2.962	2.965	2.967
0.189	I	F'	-2.493	-2.501	-2.508	-2.516	-2.524	-2.531	-2.539	-2.547	-2.555	-2.563
	I	F"	2.970	2.973	2.975	2.978	2.980	2.983	2.985	2.988	2.990	2.993
0.190	I	F'	-2.571	-2.579	-2.587	-2.596	-2.604	-2.612	-2.621	-2.629	-2.638	-2.646
	I	F"	2.996	2.998	3.001	3.003	3.006	3.008	3.011	3.013	3.016	3.019
0.191	I	F'	-2.655	-2.664	-2.673	-2.682	-2.691	-2.700	-2.709	-2.718	-2.728	-2.737
	I	F"	3.021	3.024	3.026	3.029	3.031	3.034	3.037	3.039	3.042	3.044
0.192	I	F'	-2.747	-2.757	-2.766	-2.776	-2.786	-2.796	-2.806	-2.825	-2.835	-2.845
	I	F"	3.047	3.049	3.052	3.055	3.057	3.060	3.062	3.065	3.067	3.070
0.193	I	F'	-2.856	-2.867	-2.877	-2.888	-2.899	-2.910	-2.922	-2.933	-2.945	-2.956
	I	F"	3.072	3.075	3.077	3.080	3.082	3.085	3.087	3.090	3.092	3.095
0.194	I	F'	-2.968	-2.980	-2.992	-3.004	-3.016	-3.029	-3.041	-3.054	-3.067	-3.080
	I	F"	3.097	3.100	3.102	3.104	3.107	3.109	3.112	3.114	3.117	3.119
0.195	I	F'	-3.094	-3.107	-3.121	-3.135	-3.149	-3.163	-3.177	-3.192	-3.207	-3.222
	I	F"	3.122	3.124	3.127	3.129	3.132	3.134	3.137	3.139	3.142	3.144
0.196	I	F'	-3.237	-3.253	-3.268	-3.284	-3.301	-3.317	-3.334	-3.351	-3.369	-3.387
	I	F"	3.147	3.149	3.152	3.154	3.156	3.159	3.161	3.164	3.166	3.169
0.197	I	F'	-3.405	-3.423	-3.442	-3.461	-3.480	-3.500	-3.521	-3.541	-3.562	-3.584
	I	F"	3.171	3.174	3.176	3.179	3.181	3.184	3.186	3.189	3.191	3.194
0.198	I	F'	-3.606	-3.629	-3.652	-3.676	-3.700	-3.725	-3.751	-3.777	-3.804	-3.832
	I	F"	3.196	3.199	3.201	3.204	3.206	3.209	3.211	3.213	3.216	3.218
0.199	I	F'	-3.861	-3.890	-3.921	-3.952	-3.985	-4.019	-4.054	-4.090	-4.128	-4.168
	I	F"	3.221	3.223	3.226	3.228	3.231	3.233	3.236	3.238	3.241	3.243
0.200	I	F'	-4.209	-4.252	-4.297	-4.344	-4.394	-4.447	-4.503	-4.563	-4.627	-4.696
	I	F"	3.246	3.248	3.251	3.253	3.256	3.258	3.261	3.263	3.266	3.268
0.201	I	F'	-4.770	-4.851	-4.940	-5.039	-5.150	-5.277	-5.425	-5.603	-5.827	-6.129
	I	F"	3.271	3.273	3.275	3.278	3.280	3.283	3.285	3.288	3.290	3.293
0.202	I	F'	-6.595	-7.686	-7.296	-6.475	-6.068	-5.795	-5.590	-5.426	-5.289	-5.172
	I	F"	3.295	3.298	0.620	0.620	0.621	0.621	0.622	0.622	0.623	0.623
0.203	I	F'	-5.070	-4.979	-4.897	-4.823	-4.755	-4.693	-4.635	-4.581	-4.530	-4.483
	I	F"	0.624	0.625	0.625	0.626	0.626	0.627	0.627	0.628	0.628	0.629
0.204	I	F'	-4.438	-4.396	-4.356	-4.318	-4.281	-4.247	-4.213	-4.182	-4.151	-4.122
	I	F"	0.630	0.630	0.631	0.631	0.632	0.632	0.633	0.633	0.634	0.635
0.205	I	F'	-4.093	-4.066	-4.040	-4.015	-3.990	-3.966	-3.943	-3.921	-3.899	-3.878
	I	F"	0.635	0.636	0.636	0.637	0.637	0.638	0.639	0.639	0.640	0.640
0.206	I	F'	-3.858	-3.838	-3.818	-3.799	-3.781	-3.763	-3.746	-3.728	-3.712	-3.695
	I	F"	0.641	0.641	0.642	0.642	0.643	0.644	0.644	0.645	0.645	0.646
0.207	I	F'	-3.679	-3.664	-3.648	-3.633	-3.619	-3.604	-3.590	-3.577	-3.563	-3.550
	I	F"	0.646	0.647	0.648	0.648	0.649	0.649	0.650	0.650	0.651	0.651
0.208	I	F'	-3.537	-3.524	-3.511	-3.499	-3.487	-3.475	-3.463	-3.452	-3.440	-3.429
	I	F"	0.652	0.653	0.653	0.654	0.654	0.655	0.655	0.656	0.657	0.657
0.209	I	F'	-3.418	-3.407	-3.397	-3.386	-3.376	-3.366	-3.356	-3.346	-3.336	-3.327
	I	F"	0.658	0.658	0.659	0.659	0.660	0.661	0.661	0.662	0.662	0.663
0.210	I	F'	-3.317	-3.308	-3.299	-3.290	-3.281	-3.272	-3.263	-3.254	-3.246	-3.237
	I	F"	0.663	0.664	0.665	0.665	0.666	0.666	0.667	0.667	0.668	0.669
0.211	I	F'	-3.229	-3.221	-3.213	-3.205	-3.197	-3.189	-3.181	-3.174	-3.166	-3.159
	I	F"	0.669	0.670	0.670	0.671	0.671	0.672	0.673	0.673	0.674	0.674
0.212	I	F'	-3.151	-3.144	-3.137	-3.130	-3.123	-3.116	-3.109	-3.102	-3.095	-3.089
	I	F"	0.675	0.675	0.676	0.677	0.677	0.678	0.678	0.679	0.680	0.680
0.213	I	F'	-3.082	-3.075	-3.069	-3.062	-3.056	-3.050	-3.044	-3.037	-3.031	-3.025
	I	F"	0.681	0.681	0.682	0.682	0.683	0.684	0.684	0.685	0.685	0.686
0.214	I	F'	-3.019	-3.013	-3.007	-3.001	-2.996	-2.990	-2.984	-2.979	-2.973	-2.968
	I	F"	0.686	0.687	0.688	0.688	0.689	0.689	0.690	0.691	0.691	0.692
0.215	I	F'	-2.962	-2.957	-2.951	-2.946	-2.941	-2.935	-2.930	-2.925	-2.920	-2.915
	I	F"	0.692	0.693	0.693	0.694	0.695	0.695	0.696	0.696	0.697	0.698

ATOMIC SYMBOL = LU ATOMIC NUMBER = 71 K ABSORPTION EDGE (0.19585 Å; 63.3017 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.182	I	F'	-2.451	-2.458	-2.465	-2.472	-2.479	-2.487	-2.494	-2.502	-2.509	-2.517
	I	F"	2.931	2.933	2.936	2.939	2.941	2.944	2.946	2.949	2.952	2.954
0.183	I	F'	-2.524	-2.532	-2.540	-2.547	-2.555	-2.563	-2.571	-2.579	-2.587	-2.595
	I	F"	2.957	2.960	2.962	2.965	2.967	2.970	2.973	2.975	2.978	2.981
0.184	I	F'	-2.603	-2.612	-2.620	-2.628	-2.637	-2.646	-2.654	-2.663	-2.672	-2.681
	I	F"	2.983	2.986	2.989	2.991	2.994	2.997	2.999	3.002	3.004	3.007
0.185	I	F'	-2.689	-2.699	-2.708	-2.717	-2.726	-2.735	-2.745	-2.754	-2.764	-2.774
	I	F"	3.010	3.012	3.015	3.018	3.020	3.023	3.026	3.028	3.031	3.034
0.186	I	F'	-2.784	-2.794	-2.804	-2.814	-2.824	-2.834	-2.845	-2.865	-2.876	-2.886
	I	F"	3.036	3.039	3.042	3.044	3.047	3.049	3.052	3.055	3.057	3.060
0.187	I	F'	-2.897	-2.908	-2.919	-2.931	-2.942	-2.954	-2.965	-2.977	-2.989	-3.001
	I	F"	3.062	3.065	3.067	3.070	3.072	3.075	3.077	3.080	3.082	3.085
0.188	I	F'	-3.013	-3.025	-3.038	-3.050	-3.063	-3.076	-3.089	-3.102	-3.116	-3.130
	I	F"	3.088	3.090	3.093	3.095	3.098	3.100	3.103	3.105	3.108	3.110
0.189	I	F'	-3.143	-3.157	-3.172	-3.186	-3.201	-3.216	-3.231	-3.246	-3.261	-3.277
	I	F"	3.113	3.115	3.118	3.120	3.123	3.125	3.128	3.130	3.133	3.135
0.190	I	F'	-3.293	-3.310	-3.326	-3.343	-3.360	-3.378	-3.395	-3.413	-3.432	-3.451
	I	F"	3.138	3.140	3.143	3.146	3.148	3.151	3.153	3.156	3.158	3.161
0.191	I	F'	-3.470	-3.489	-3.509	-3.530	-3.550	-3.571	-3.593	-3.615	-3.638	-3.661
	I	F"	3.163	3.166	3.168	3.171	3.173	3.176	3.178	3.181	3.183	3.186
0.192	I	F'	-3.685	-3.709	-3.734	-3.760	-3.787	-3.814	-3.842	-3.870	-3.900	-3.931
	I	F"	3.188	3.191	3.193	3.196	3.198	3.201	3.203	3.206	3.209	3.211
0.193	I	F'	-3.962	-3.995	-4.029	-4.064	-4.101	-4.139	-4.178	-4.220	-4.263	-4.309
	I	F"	3.214	3.216	3.219	3.221	3.224	3.226	3.229	3.231	3.234	3.236
0.194	I	F'	-4.356	-4.407	-4.460	-4.517	-4.577	-4.642	-4.712	-4.787	-4.870	-4.961
	I	F"	3.239	3.241	3.244	3.246	3.249	3.251	3.254	3.256	3.259	3.261
0.195	I	F'	-5.062	-5.176	-5.307	-5.461	-5.648	-5.887	-6.217	-6.759	-8.620	-6.976
	I	F"	3.264	3.266	3.269	3.271	3.274	3.276	3.279	3.281	3.284	0.622
0.196	I	F'	-6.335	-5.977	-5.728	-5.537	-5.382	-5.252	-5.140	-5.041	-4.953	-4.874
	I	F"	0.623	0.624	0.624	0.625	0.625	0.626	0.626	0.627	0.628	0.628
0.197	I	F'	-4.803	-4.737	-4.676	-4.620	-4.567	-4.518	-4.471	-4.427	-4.386	-4.347
	I	F"	0.629	0.629	0.630	0.630	0.631	0.632	0.632	0.633	0.633	0.634
0.198	I	F'	-4.309	-4.274	-4.240	-4.207	-4.176	-4.146	-4.117	-4.089	-4.063	-4.037
	I	F"	0.634	0.635	0.636	0.636	0.637	0.637	0.638	0.639	0.639	0.640
0.199	I	F'	-4.012	-3.988	-3.964	-3.942	-3.920	-3.898	-3.878	-3.857	-3.838	-3.819
	I	F"	0.640	0.641	0.641	0.642	0.643	0.643	0.644	0.644	0.645	0.646
0.200	I	F'	-3.800	-3.782	-3.764	-3.747	-3.730	-3.713	-3.697	-3.682	-3.666	-3.651
	I	F"	0.646	0.647	0.647	0.648	0.648	0.649	0.650	0.650	0.651	0.651
0.201	I	F'	-3.636	-3.622	-3.608	-3.594	-3.580	-3.567	-3.554	-3.541	-3.528	-3.516
	I	F"	0.652	0.653	0.653	0.654	0.654	0.655	0.655	0.656	0.657	0.657
0.202	I	F'	-3.504	-3.492	-3.480	-3.468	-3.457	-3.446	-3.435	-3.424	-3.413	-3.403
	I	F"	0.658	0.658	0.659	0.660	0.660	0.661	0.661	0.662	0.663	0.663
0.203	I	F'	-3.392	-3.382	-3.372	-3.362	-3.352	-3.343	-3.333	-3.324	-3.315	-3.306
	I	F"	0.664	0.664	0.665	0.665	0.666	0.667	0.667	0.668	0.668	0.669
0.204	I	F'	-3.297	-3.288	-3.279	-3.270	-3.262	-3.254	-3.245	-3.237	-3.22	-3.221
	I	F"	0.670	0.670	0.671	0.671	0.672	0.673	0.673	0.674	0.674	0.675
0.205	I	F'	-3.213	-3.205	-3.197	-3.190	-3.182	-3.175	-3.167	-3.160	-3.153	-3.146
	I	F"	0.676	0.676	0.677	0.677	0.678	0.679	0.679	0.680	0.680	0.681
0.206	I	F'	-3.139	-3.132	-3.125	-3.118	-3.111	-3.105	-3.098	-3.091	-3.085	-3.079
	I	F"	0.682	0.682	0.683	0.683	0.684	0.685	0.685	0.686	0.686	0.687
0.207	I	F'	-3.072	-3.066	-3.060	-3.053	-3.047	-3.041	-3.035	-3.029	-3.023	-3.018
	I	F"	0.688	0.688	0.689	0.689	0.690	0.691	0.691	0.692	0.692	0.693
0.208	I	F'	-3.012	-3.006	-3.000	-2.995	-2.989	-2.984	-2.978	-2.973	-2.967	-2.962
	I	F"	0.694	0.694	0.695	0.695	0.696	0.697	0.697	0.698	0.698	0.699
0.209	I	F'	-2.957	-2.952	-2.946	-2.941	-2.936	-2.931	-2.926	-2.921	-2.916	-2.911
	I	F"	0.700	0.700	0.701	0.701	0.702	0.703	0.703	0.704	0.704	0.705

ATOMIC SYMBOL = HF ATOMIC NUMBER = 72 K ABSORPTION EDGE (0.18982 Å; 65.3126 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.176	I	F'	-2.466	-2.473	-2.481	-2.488	-2.495	-2.502	-2.510	-2.517	-2.525	-2.532
	I	F"	2.910	2.913	2.916	2.918	2.921	2.924	2.927	2.929	2.932	2.935
0.177	I	F'	-2.540	-2.548	-2.555	-2.563	-2.571	-2.579	-2.587	-2.595	-2.603	-2.611
	I	F"	2.937	2.940	2.943	2.945	2.948	2.951	2.953	2.956	2.959	2.961
0.178	I	F'	-2.619	-2.628	-2.636	-2.645	-2.653	-2.662	-2.670	-2.679	-2.688	-2.697
	I	F"	2.964	2.967	2.969	2.972	2.975	2.978	2.980	2.983	2.986	2.988
0.179	I	F'	-2.706	-2.715	-2.724	-2.733	-2.743	-2.752	-2.761	-2.771	-2.781	-2.790
	I	F"	2.991	2.994	2.996	2.999	3.002	3.005	3.007	3.010	3.013	3.015
0.180	I	F'	-2.800	-2.810	-2.820	-2.830	-2.841	-2.851	-2.862	-2.872	-2.883	-2.901
	I	F"	3.018	3.021	3.023	3.026	3.029	3.032	3.034	3.037	3.040	3.042
0.181	I	F'	-2.912	-2.923	-2.934	-2.946	-2.957	-2.969	-2.980	-2.992	-3.004	-3.016
	I	F"	3.045	3.048	3.050	3.053	3.055	3.058	3.061	3.063	3.066	3.068
0.182	I	F'	-3.029	-3.041	-3.054	-3.066	-3.079	-3.092	-3.105	-3.119	-3.132	-3.146
	I	F"	3.071	3.074	3.076	3.079	3.081	3.084	3.087	3.089	3.092	3.094
0.183	I	F'	-3.160	-3.174	-3.189	-3.203	-3.218	-3.233	-3.248	-3.264	-3.280	-3.296
	I	F"	3.097	3.100	3.102	3.105	3.108	3.110	3.113	3.115	3.118	3.121
0.184	I	F'	-3.312	-3.328	-3.345	-3.362	-3.380	-3.397	-3.415	-3.434	-3.452	-3.471
	I	F"	3.123	3.126	3.128	3.131	3.134	3.136	3.139	3.141	3.144	3.147
0.185	I	F'	-3.491	-3.511	-3.531	-3.552	-3.573	-3.594	-3.616	-3.639	-3.662	-3.686
	I	F"	3.149	3.152	3.154	3.157	3.160	3.162	3.165	3.167	3.170	3.173
0.186	I	F'	-3.710	-3.735	-3.761	-3.787	-3.814	-3.842	-3.871	-3.900	-3.931	-3.962
	I	F"	3.175	3.178	3.180	3.183	3.186	3.188	3.191	3.193	3.196	3.199
0.187	I	F'	-3.995	-4.029	-4.064	-4.100	-4.138	-4.178	-4.219	-4.262	-4.308	-4.355
	I	F"	3.201	3.204	3.206	3.209	3.212	3.214	3.217	3.219	3.222	3.225
0.188	I	F'	-4.406	-4.459	-4.515	-4.576	-4.640	-4.710	-4.785	-4.867	-4.958	-5.059
	I	F"	3.227	3.230	3.232	3.235	3.238	3.240	3.243	3.245	3.248	3.251
0.189	I	F'	-5.173	-5.304	-5.459	-5.646	-5.886	-6.219	-6.771	-8.871	-6.927	-6.307
	I	F"	3.253	3.256	3.258	3.261	3.264	3.266	3.269	3.271	0.625	0.626
0.190	I	F'	-5.956	-5.711	-5.523	-5.370	-5.241	-5.131	-5.033	-4.947	-4.868	-4.797
	I	F"	0.627	0.627	0.628	0.628	0.629	0.629	0.630	0.631	0.631	0.632
0.191	I	F'	-4.732	-4.672	-4.616	-4.564	-4.515	-4.469	-4.426	-4.385	-4.346	-4.309
	I	F"	0.632	0.633	0.634	0.634	0.635	0.635	0.636	0.637	0.637	0.638
0.192	I	F'	-4.273	-4.240	-4.207	-4.176	-4.147	-4.118	-4.091	-4.064	-4.039	-4.014
	I	F"	0.638	0.639	0.640	0.640	0.641	0.641	0.642	0.643	0.643	0.644
0.193	I	F'	-3.990	-3.967	-3.944	-3.922	-3.901	-3.881	-3.861	-3.841	-3.822	-3.804
	I	F"	0.644	0.645	0.646	0.646	0.647	0.647	0.648	0.649	0.649	0.650
0.194	I	F'	-3.786	-3.768	-3.751	-3.734	-3.718	-3.702	-3.687	-3.671	-3.656	-3.642
	I	F"	0.651	0.651	0.652	0.652	0.653	0.654	0.654	0.655	0.655	0.656
0.195	I	F'	-3.627	-3.613	-3.600	-3.586	-3.573	-3.560	-3.547	-3.535	-3.522	-3.510
	I	F"	0.657	0.657	0.658	0.658	0.659	0.660	0.660	0.661	0.661	0.662
0.196	I	F'	-3.498	-3.487	-3.475	-3.464	-3.453	-3.442	-3.431	-3.421	-3.410	-3.400
	I	F"	0.663	0.663	0.664	0.664	0.665	0.666	0.666	0.667	0.668	0.668
0.197	I	F'	-3.390	-3.380	-3.370	-3.360	-3.351	-3.341	-3.332	-3.323	-3.314	-3.305
	I	F"	0.669	0.669	0.670	0.671	0.671	0.672	0.672	0.673	0.674	0.674
0.198	I	F'	-3.296	-3.288	-3.279	-3.271	-3.262	-3.254	-3.246	-3.238	-3.230	-3.222
	I	F"	0.675	0.676	0.676	0.677	0.677	0.678	0.679	0.679	0.680	0.680
0.199	I	F'	-3.215	-3.207	-3.199	-3.192	-3.184	-3.177	-3.170	-3.163	-3.156	-3.149
	I	F"	0.681	0.682	0.682	0.683	0.684	0.684	0.685	0.685	0.686	0.687
0.200	I	F'	-3.142	-3.135	-3.128	-3.122	-3.115	-3.108	-3.102	-3.095	-3.089	-3.083
	I	F"	0.687	0.688	0.688	0.689	0.690	0.690	0.691	0.692	0.692	0.693
0.201	I	F'	-3.077	-3.070	-3.064	-3.058	-3.052	-3.046	-3.040	-3.035	-3.029	-3.023
	I	F"	0.693	0.694	0.695	0.695	0.696	0.697	0.697	0.698	0.698	0.699
0.202	I	F'	-3.017	-3.012	-3.006	-3.001	-2.995	-2.990	-2.984	-2.979	-2.974	-2.968
	I	F"	0.700	0.700	0.701	0.702	0.702	0.703	0.703	0.704	0.705	0.705
0.203	I	F'	-2.963	-2.958	-2.953	-2.948	-2.943	-2.938	-2.933	-2.928	-2.923	-2.918
	I	F"	0.706	0.707	0.707	0.708	0.708	0.709	0.710	0.710	0.711	0.712

ATOMIC SYMBOL = TA ATOMIC NUMBER = 73 K ABSORPTION EDGE (0.18394 Å; 67.4005 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.170	I	F'	-2.463	-2.470	-2.477	-2.484	-2.492	-2.499	-2.506	-2.513	-2.521	-2.528
	I	F"	2.883	2.886	2.889	2.891	2.894	2.897	2.900	2.902	2.905	2.908
0.171	I	F'	-2.536	-2.543	-2.551	-2.558	-2.566	-2.574	-2.582	-2.589	-2.597	-2.605
	I	F"	2.911	2.913	2.916	2.919	2.922	2.924	2.927	2.930	2.933	2.935
0.172	I	F'	-2.613	-2.622	-2.630	-2.638	-2.646	-2.655	-2.663	-2.672	-2.681	-2.689
	I	F"	2.938	2.941	2.944	2.946	2.949	2.952	2.955	2.957	2.960	2.963
0.173	I	F'	-2.698	-2.707	-2.716	-2.725	-2.734	-2.743	-2.753	-2.762	-2.771	-2.781
	I	F"	2.966	2.969	2.971	2.974	2.977	2.980	2.982	2.985	2.988	2.991
0.174	I	F'	-2.791	-2.800	-2.810	-2.820	-2.830	-2.840	-2.850	-2.861	-2.871	-2.882
	I	F"	2.994	2.996	2.999	3.002	3.005	3.007	3.010	3.013	3.016	3.019
0.175	I	F'	-2.892	-2.903	-2.914	-2.934	-2.945	-2.956	-2.967	-2.979	-2.991	-3.002
	I	F"	3.021	3.024	3.027	3.030	3.032	3.035	3.038	3.040	3.043	3.046
0.176	I	F'	-3.014	-3.027	-3.039	-3.051	-3.064	-3.076	-3.089	-3.102	-3.116	-3.129
	I	F"	3.048	3.051	3.054	3.056	3.059	3.062	3.064	3.067	3.070	3.072
0.177	I	F'	-3.143	-3.156	-3.170	-3.184	-3.199	-3.213	-3.228	-3.243	-3.258	-3.274
	I	F"	3.075	3.078	3.080	3.083	3.086	3.088	3.091	3.094	3.096	3.099
0.178	I	F'	-3.289	-3.305	-3.322	-3.338	-3.355	-3.372	-3.389	-3.407	-3.425	-3.443
	I	F"	3.102	3.104	3.107	3.109	3.112	3.115	3.117	3.120	3.123	3.125
0.179	I	F'	-3.462	-3.481	-3.500	-3.520	-3.540	-3.561	-3.582	-3.604	-3.626	-3.648
	I	F"	3.128	3.131	3.133	3.136	3.139	3.141	3.144	3.147	3.149	3.152
0.180	I	F'	-3.671	-3.695	-3.719	-3.744	-3.770	-3.796	-3.823	-3.851	-3.879	-3.909
	I	F"	3.155	3.157	3.160	3.162	3.165	3.168	3.170	3.173	3.176	3.178
0.181	I	F'	-3.939	-3.971	-4.004	-4.037	-4.072	-4.109	-4.147	-4.186	-4.228	-4.271
	I	F"	3.181	3.184	3.186	3.189	3.191	3.194	3.197	3.199	3.202	3.205
0.182	I	F'	-4.316	-4.364	-4.414	-4.468	-4.524	-4.585	-4.649	-4.719	-4.795	-4.878
	I	F"	3.207	3.210	3.213	3.215	3.218	3.220	3.223	3.226	3.228	3.231
0.183	I	F'	-4.969	-5.071	-5.186	-5.319	-5.476	-5.667	-5.914	-6.262	-6.861	-9.627
	I	F"	3.234	3.236	3.239	3.242	3.244	3.247	3.249	3.252	3.255	0.628
0.184	I	F'	-6.806	-6.245	-5.915	-5.680	-5.498	-5.350	-5.225	-5.117	-5.022	-4.937
	I	F"	0.628	0.629	0.630	0.630	0.631	0.631	0.632	0.633	0.633	0.634
0.185	I	F'	-4.860	-4.790	-4.726	-4.667	-4.612	-4.561	-4.512	-4.467	-4.424	-4.384
	I	F"	0.634	0.635	0.636	0.636	0.637	0.638	0.638	0.639	0.639	0.640
0.186	I	F'	-4.346	-4.309	-4.274	-4.241	-4.209	-4.179	-4.149	-4.121	-4.094	-4.068
	I	F"	0.641	0.641	0.642	0.642	0.643	0.644	0.644	0.645	0.646	0.646
0.187	I	F'	-4.042	-4.018	-3.994	-3.971	-3.949	-3.928	-3.907	-3.886	-3.867	-3.847
	I	F"	0.647	0.647	0.648	0.649	0.649	0.650	0.651	0.651	0.652	0.652
0.188	I	F'	-3.829	-3.810	-3.793	-3.775	-3.758	-3.742	-3.726	-3.710	-3.694	-3.679
	I	F"	0.653	0.654	0.654	0.655	0.656	0.656	0.657	0.657	0.658	0.659
0.189	I	F'	-3.664	-3.650	-3.636	-3.622	-3.608	-3.595	-3.582	-3.569	-3.556	-3.544
	I	F"	0.659	0.660	0.661	0.661	0.662	0.663	0.663	0.664	0.664	0.665
0.190	I	F'	-3.532	-3.520	-3.508	-3.496	-3.485	-3.474	-3.463	-3.452	-3.442	-3.431
	I	F"	0.666	0.666	0.667	0.668	0.668	0.669	0.669	0.670	0.671	0.671
0.191	I	F'	-3.421	-3.411	-3.401	-3.391	-3.381	-3.371	-3.362	-3.353	-3.344	-3.335
	I	F"	0.672	0.673	0.673	0.674	0.675	0.675	0.676	0.676	0.677	0.678
0.192	I	F'	-3.326	-3.317	-3.308	-3.300	-3.291	-3.283	-3.274	-3.266	-3.258	-3.250
	I	F"	0.678	0.679	0.680	0.680	0.681	0.682	0.682	0.683	0.683	0.684
0.193	I	F'	-3.243	-3.235	-3.227	-3.220	-3.212	-3.205	-3.197	-3.190	-3.183	-3.176
	I	F"	0.685	0.685	0.686	0.687	0.687	0.688	0.689	0.689	0.690	0.690
0.194	I	F'	-3.169	-3.162	-3.155	-3.148	-3.142	-3.135	-3.128	-3.122	-3.116	-3.109
	I	F"	0.691	0.692	0.692	0.693	0.694	0.694	0.695	0.696	0.696	0.697
0.195	I	F'	-3.103	-3.097	-3.090	-3.084	-3.078	-3.072	-3.066	-3.060	-3.055	-3.049
	I	F"	0.698	0.698	0.699	0.699	0.700	0.701	0.701	0.702	0.703	0.703
0.196	I	F'	-3.043	-3.037	-3.032	-3.026	-3.021	-3.015	-3.010	-3.005	-2.999	-2.994
	I	F"	0.704	0.705	0.705	0.706	0.707	0.707	0.708	0.708	0.709	0.710
0.197	I	F'	-2.989	-2.983	-2.978	-2.973	-2.968	-2.963	-2.958	-2.953	-2.948	-2.943
	I	F"	0.710	0.711	0.712	0.712	0.713	0.714	0.714	0.715	0.716	0.716

ATOMIC SYMBOL = W ATOMIC NUMBER = 74 K ABSORPTION EDGE (0.17837 Å; 69.5052 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.164	I	F'	-2.445	-2.452	-2.459	-2.466	-2.473	-2.479	-2.486	-2.493	-2.501	-2.508
	I	F"	2.846	2.849	2.852	2.855	2.858	2.860	2.863	2.866	2.869	2.872
0.165	I	F'	-2.515	-2.522	-2.529	-2.537	-2.544	-2.552	-2.559	-2.567	-2.574	-2.582
	I	F"	2.874	2.877	2.880	2.883	2.886	2.889	2.891	2.894	2.897	2.900
0.166	I	F'	-2.590	-2.597	-2.605	-2.613	-2.621	-2.629	-2.638	-2.646	-2.654	-2.662
	I	F"	2.903	2.906	2.909	2.911	2.914	2.917	2.920	2.923	2.926	2.928
0.167	I	F'	-2.671	-2.679	-2.688	-2.696	-2.705	-2.714	-2.723	-2.732	-2.741	-2.750
	I	F"	2.931	2.934	2.937	2.940	2.943	2.946	2.948	2.951	2.954	2.957
0.168	I	F'	-2.759	-2.768	-2.778	-2.787	-2.797	-2.806	-2.816	-2.826	-2.836	-2.846
	I	F"	2.960	2.963	2.966	2.968	2.971	2.974	2.977	2.980	2.983	2.986
0.169	I	F'	-2.856	-2.866	-2.877	-2.887	-2.898	-2.909	-2.919	-2.930	-2.941	-2.953
	I	F"	2.989	2.991	2.994	2.997	3.000	3.003	3.006	3.009	3.012	3.014
0.170	I	F'	-2.972	-2.984	-2.995	-3.007	-3.019	-3.031	-3.043	-3.055	-3.068	-3.081
	I	F"	3.017	3.020	3.023	3.026	3.028	3.031	3.034	3.037	3.039	3.042
0.171	I	F'	-3.093	-3.106	-3.119	-3.133	-3.146	-3.160	-3.174	-3.188	-3.202	-3.216
	I	F"	3.045	3.048	3.050	3.053	3.056	3.059	3.061	3.064	3.067	3.070
0.172	I	F'	-3.231	-3.246	-3.261	-3.276	-3.292	-3.308	-3.324	-3.340	-3.357	-3.374
	I	F"	3.072	3.075	3.078	3.080	3.083	3.086	3.089	3.091	3.094	3.097
0.173	I	F'	-3.391	-3.409	-3.426	-3.445	-3.463	-3.482	-3.501	-3.521	-3.541	-3.561
	I	F"	3.100	3.102	3.105	3.108	3.111	3.113	3.116	3.119	3.122	3.124
0.174	I	F'	-3.582	-3.604	-3.625	-3.648	-3.671	-3.694	-3.718	-3.743	-3.768	-3.794
	I	F"	3.127	3.130	3.132	3.135	3.138	3.141	3.143	3.146	3.149	3.151
0.175	I	F'	-3.821	-3.848	-3.877	-3.906	-3.936	-3.967	-3.999	-4.033	-4.067	-4.103
	I	F"	3.154	3.157	3.160	3.162	3.165	3.168	3.171	3.173	3.176	3.179
0.176	I	F'	-4.141	-4.180	-4.220	-4.263	-4.307	-4.354	-4.404	-4.456	-4.512	-4.571
	I	F"	3.181	3.184	3.187	3.190	3.192	3.195	3.198	3.200	3.203	3.206
0.177	I	F'	-4.635	-4.703	-4.777	-4.857	-4.946	-5.045	-5.156	-5.284	-5.434	-5.615
	I	F"	3.208	3.211	3.214	3.217	3.219	3.222	3.225	3.227	3.230	3.233
0.178	I	F'	-5.845	-6.162	-6.672	-8.198	-6.998	-6.334	-5.972	-5.723	-5.532	-5.379
	I	F"	3.235	3.238	3.241	3.244	0.631	0.632	0.632	0.633	0.634	0.634
0.179	I	F'	-5.250	-5.139	-5.042	-4.955	-4.878	-4.807	-4.742	-4.682	-4.627	-4.575
	I	F"	0.635	0.636	0.636	0.637	0.638	0.638	0.639	0.639	0.640	0.641
0.180	I	F'	-4.526	-4.481	-4.438	-4.397	-4.359	-4.322	-4.287	-4.254	-4.222	-4.191
	I	F"	0.641	0.642	0.643	0.643	0.644	0.645	0.645	0.646	0.646	0.647
0.181	I	F'	-4.162	-4.134	-4.106	-4.080	-4.055	-4.030	-4.007	-3.984	-3.962	-3.940
	I	F"	0.648	0.648	0.649	0.650	0.650	0.651	0.652	0.652	0.653	0.654
0.182	I	F'	-3.919	-3.899	-3.879	-3.860	-3.841	-3.823	-3.805	-3.788	-3.771	-3.755
	I	F"	0.654	0.655	0.656	0.656	0.657	0.657	0.658	0.659	0.659	0.660
0.183	I	F'	-3.739	-3.723	-3.708	-3.692	-3.678	-3.663	-3.649	-3.635	-3.622	-3.608
	I	F"	0.661	0.661	0.662	0.663	0.663	0.664	0.665	0.665	0.666	0.667
0.184	I	F'	-3.595	-3.583	-3.570	-3.558	-3.546	-3.534	-3.522	-3.511	-3.499	-3.488
	I	F"	0.667	0.668	0.669	0.669	0.670	0.670	0.671	0.672	0.672	0.673
0.185	I	F'	-3.477	-3.466	-3.456	-3.445	-3.435	-3.425	-3.415	-3.405	-3.396	-3.386
	I	F"	0.674	0.674	0.675	0.676	0.676	0.677	0.678	0.678	0.679	0.680
0.186	I	F'	-3.377	-3.368	-3.358	-3.349	-3.341	-3.332	-3.323	-3.315	-3.306	-3.298
	I	F"	0.680	0.681	0.682	0.682	0.683	0.684	0.684	0.685	0.686	0.686
0.187	I	F'	-3.290	-3.282	-3.274	-3.266	-3.258	-3.250	-3.243	-3.235	-3.228	-3.220
	I	F"	0.687	0.688	0.688	0.689	0.690	0.690	0.691	0.692	0.692	0.693
0.188	I	F'	-3.213	-3.206	-3.199	-3.192	-3.185	-3.178	-3.171	-3.164	-3.158	-3.151
	I	F"	0.693	0.694	0.695	0.695	0.696	0.697	0.697	0.698	0.699	0.699
0.189	I	F'	-3.145	-3.138	-3.132	-3.126	-3.119	-3.113	-3.107	-3.101	-3.095	-3.089
	I	F"	0.700	0.701	0.701	0.702	0.703	0.703	0.704	0.705	0.705	0.706
0.190	I	F'	-3.083	-3.077	-3.071	-3.066	-3.060	-3.054	-3.049	-3.043	-3.038	-3.032
	I	F"	0.707	0.707	0.708	0.709	0.709	0.710	0.711	0.711	0.712	0.713
0.191	I	F'	-3.027	-3.022	-3.016	-3.011	-3.006	-3.001	-2.996	-2.991	-2.985	-2.980
	I	F"	0.714	0.714	0.715	0.716	0.716	0.717	0.718	0.718	0.719	0.720

ATOMIC SYMBOL = RE ATOMIC NUMBER = 75 K ABSORPTION EDGE (0.17302 Å; 71.6544 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.159	I	F'	-2.480	-2.487	-2.494	-2.501	-2.508	-2.515	-2.522	-2.529	-2.536	-2.543
	I	F"	2.830	2.833	2.836	2.839	2.842	2.845	2.848	2.851	2.854	2.857
0.160	I	F'	-2.551	-2.558	-2.565	-2.573	-2.580	-2.588	-2.596	-2.603	-2.611	-2.619
	I	F"	2.860	2.863	2.866	2.869	2.872	2.875	2.878	2.881	2.883	2.886
0.161	I	F'	-2.627	-2.635	-2.643	-2.651	-2.659	-2.667	-2.676	-2.684	-2.693	-2.701
	I	F"	2.889	2.892	2.895	2.898	2.901	2.904	2.907	2.910	2.913	2.916
0.162	I	F'	-2.710	-2.718	-2.727	-2.736	-2.745	-2.754	-2.763	-2.772	-2.782	-2.791
	I	F"	2.919	2.922	2.925	2.928	2.931	2.934	2.937	2.940	2.943	2.946
0.163	I	F'	-2.800	-2.810	-2.820	-2.829	-2.839	-2.849	-2.859	-2.869	-2.880	-2.890
	I	F"	2.949	2.952	2.955	2.958	2.961	2.964	2.967	2.970	2.973	2.976
0.164	I	F'	-2.900	-2.911	-2.922	-2.932	-2.943	-2.954	-2.966	-2.977	-2.988	-3.011
	I	F"	2.979	2.982	2.985	2.988	2.991	2.994	2.997	3.000	3.003	3.006
0.165	I	F'	-3.023	-3.035	-3.047	-3.059	-3.071	-3.084	-3.097	-3.109	-3.122	-3.136
	I	F"	3.009	3.012	3.014	3.017	3.020	3.023	3.026	3.029	3.032	3.034
0.166	I	F'	-3.149	-3.163	-3.176	-3.190	-3.204	-3.219	-3.233	-3.248	-3.263	-3.278
	I	F"	3.037	3.040	3.043	3.046	3.048	3.051	3.054	3.057	3.060	3.063
0.167	I	F'	-3.294	-3.309	-3.325	-3.341	-3.358	-3.375	-3.392	-3.409	-3.427	-3.445
	I	F"	3.065	3.068	3.071	3.074	3.077	3.079	3.082	3.085	3.088	3.091
0.168	I	F'	-3.463	-3.482	-3.501	-3.520	-3.540	-3.560	-3.581	-3.602	-3.623	-3.645
	I	F"	3.093	3.096	3.099	3.102	3.105	3.107	3.110	3.113	3.116	3.118
0.169	I	F'	-3.668	-3.691	-3.715	-3.739	-3.764	-3.789	-3.816	-3.843	-3.870	-3.899
	I	F"	3.121	3.124	3.127	3.130	3.132	3.135	3.138	3.141	3.143	3.146
0.170	I	F'	-3.929	-3.959	-3.991	-4.023	-4.057	-4.092	-4.129	-4.167	-4.207	-4.248
	I	F"	3.149	3.152	3.154	3.157	3.160	3.163	3.165	3.168	3.171	3.173
0.171	I	F'	-4.291	-4.337	-4.385	-4.436	-4.489	-4.546	-4.607	-4.673	-4.744	-4.821
	I	F"	3.176	3.179	3.182	3.184	3.187	3.190	3.193	3.195	3.198	3.201
0.172	I	F'	-4.905	-4.998	-5.102	-5.221	-5.358	-5.522	-5.724	-5.991	-6.383	-7.143
	I	F"	3.203	3.206	3.209	3.212	3.214	3.217	3.220	3.222	3.225	3.228
0.173	I	F'	-7.719	-6.578	-6.120	-5.829	-5.616	-5.448	-5.309	-5.191	-5.089	-4.998
	I	F"	0.634	0.634	0.635	0.636	0.636	0.637	0.638	0.638	0.639	0.640
0.174	I	F'	-4.917	-4.843	-4.776	-4.715	-4.658	-4.605	-4.555	-4.508	-4.465	-4.423
	I	F"	0.640	0.641	0.642	0.642	0.643	0.644	0.644	0.645	0.646	0.646
0.175	I	F'	-4.384	-4.347	-4.311	-4.277	-4.245	-4.214	-4.184	-4.156	-4.128	-4.102
	I	F"	0.647	0.648	0.648	0.649	0.650	0.650	0.651	0.652	0.652	0.653
0.176	I	F'	-4.076	-4.052	-4.028	-4.005	-3.982	-3.961	-3.940	-3.919	-3.900	-3.880
	I	F"	0.654	0.654	0.655	0.656	0.656	0.657	0.658	0.658	0.659	0.660
0.177	I	F'	-3.862	-3.843	-3.825	-3.808	-3.791	-3.775	-3.758	-3.743	-3.727	-3.712
	I	F"	0.660	0.661	0.662	0.662	0.663	0.664	0.664	0.665	0.666	0.666
0.178	I	F'	-3.697	-3.683	-3.669	-3.655	-3.641	-3.628	-3.615	-3.602	-3.590	-3.577
	I	F"	0.667	0.668	0.668	0.669	0.670	0.670	0.671	0.672	0.672	0.673
0.179	I	F'	-3.565	-3.553	-3.541	-3.530	-3.519	-3.508	-3.497	-3.486	-3.475	-3.465
	I	F"	0.674	0.674	0.675	0.676	0.677	0.677	0.678	0.679	0.679	0.680
0.180	I	F'	-3.455	-3.445	-3.435	-3.425	-3.415	-3.406	-3.396	-3.387	-3.378	-3.369
	I	F"	0.681	0.681	0.682	0.683	0.683	0.684	0.685	0.685	0.686	0.687
0.181	I	F'	-3.360	-3.351	-3.343	-3.334	-3.326	-3.318	-3.310	-3.301	-3.293	-3.286
	I	F"	0.687	0.688	0.689	0.689	0.690	0.691	0.691	0.692	0.693	0.694
0.182	I	F'	-3.278	-3.270	-3.263	-3.255	-3.248	-3.240	-3.233	-3.226	-3.219	-3.212
	I	F"	0.694	0.695	0.696	0.696	0.697	0.698	0.698	0.699	0.700	0.700
0.183	I	F'	-3.205	-3.198	-3.191	-3.185	-3.178	-3.171	-3.165	-3.158	-3.152	-3.146
	I	F"	0.701	0.702	0.702	0.703	0.704	0.705	0.705	0.706	0.707	0.707
0.184	I	F'	-3.140	-3.133	-3.127	-3.121	-3.115	-3.109	-3.103	-3.098	-3.092	-3.086
	I	F"	0.708	0.709	0.709	0.710	0.711	0.711	0.712	0.713	0.714	0.714
0.185	I	F'	-3.081	-3.075	-3.069	-3.064	-3.058	-3.053	-3.048	-3.042	-3.037	-3.032
	I	F"	0.715	0.716	0.716	0.717	0.718	0.718	0.719	0.720	0.720	0.721
0.186	I	F'	-3.027	-3.022	-3.016	-3.011	-3.006	-3.001	-2.996	-2.992	-2.987	-2.982
	I	F"	0.722	0.723	0.723	0.724	0.725	0.725	0.726	0.727	0.727	0.728

ATOMIC SYMBOL = OS ATOMIC NUMBER = 76 K ABSORPTION EDGE (0.16787 Å; 73.8526 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.154	I	F'	-2.507	-2.514	-2.521	-2.528	-2.535	-2.542	-2.549	-2.556	-2.563	-2.570
	I	F"	2.812	2.815	2.818	2.821	2.824	2.827	2.830	2.832	2.835	2.838
0.155	I	F'	-2.578	-2.585	-2.592	-2.600	-2.608	-2.615	-2.623	-2.631	-2.638	-2.646
	I	F"	2.841	2.844	2.847	2.850	2.853	2.856	2.859	2.862	2.865	2.868
0.156	I	F'	-2.654	-2.662	-2.670	-2.679	-2.687	-2.695	-2.703	-2.712	-2.720	-2.729
	I	F"	2.871	2.874	2.877	2.880	2.883	2.886	2.889	2.892	2.895	2.898
0.157	I	F'	-2.738	-2.746	-2.755	-2.764	-2.773	-2.782	-2.791	-2.801	-2.810	-2.819
	I	F"	2.901	2.904	2.907	2.910	2.914	2.917	2.920	2.923	2.926	2.929
0.158	I	F'	-2.829	-2.839	-2.848	-2.858	-2.868	-2.878	-2.888	-2.898	-2.909	-2.919
	I	F"	2.932	2.935	2.938	2.941	2.944	2.947	2.950	2.953	2.956	2.959
0.159	I	F'	-2.930	-2.940	-2.951	-2.962	-2.973	-2.984	-2.996	-3.007	-3.019	-3.030
	I	F"	2.962	2.965	2.968	2.971	2.974	2.977	2.980	2.984	2.987	2.990
0.160	I	F'	-3.048	-3.061	-3.073	-3.085	-3.098	-3.111	-3.123	-3.136	-3.150	-3.163
	I	F"	2.993	2.996	2.999	3.002	3.005	3.007	3.010	3.013	3.016	3.019
0.161	I	F'	-3.177	-3.190	-3.204	-3.219	-3.233	-3.248	-3.262	-3.277	-3.293	-3.308
	I	F"	3.022	3.025	3.028	3.031	3.034	3.037	3.040	3.043	3.046	3.049
0.162	I	F'	-3.324	-3.340	-3.356	-3.373	-3.389	-3.406	-3.424	-3.442	-3.460	-3.478
	I	F"	3.051	3.054	3.057	3.060	3.063	3.066	3.069	3.072	3.075	3.078
0.163	I	F'	-3.497	-3.516	-3.535	-3.555	-3.575	-3.596	-3.617	-3.639	-3.661	-3.684
	I	F"	3.080	3.083	3.086	3.089	3.092	3.095	3.098	3.101	3.103	3.106
0.164	I	F'	-3.707	-3.731	-3.755	-3.780	-3.806	-3.833	-3.860	-3.888	-3.917	-3.947
	I	F"	3.109	3.112	3.115	3.118	3.121	3.123	3.126	3.129	3.132	3.135
0.165	I	F'	-3.977	-4.009	-4.042	-4.076	-4.112	-4.149	-4.187	-4.227	-4.269	-4.313
	I	F"	3.138	3.140	3.143	3.146	3.149	3.152	3.154	3.157	3.160	3.163
0.166	I	F'	-4.360	-4.408	-4.460	-4.515	-4.573	-4.635	-4.702	-4.775	-4.854	-4.941
	I	F"	3.166	3.168	3.171	3.174	3.177	3.180	3.182	3.185	3.188	3.191
0.167	I	F'	-5.037	-5.146	-5.270	-5.416	-5.592	-5.813	-6.115	-6.591	-7.829	-7.080
	I	F"	3.194	3.196	3.199	3.202	3.205	3.207	3.210	3.213	3.216	0.637
0.168	I	F'	-6.365	-5.992	-5.739	-5.547	-5.392	-5.263	-5.152	-5.056	-4.969	-4.892
	I	F"	0.638	0.638	0.639	0.640	0.640	0.641	0.642	0.642	0.643	0.644
0.169	I	F'	-4.822	-4.757	-4.698	-4.643	-4.591	-4.543	-4.498	-4.456	-4.415	-4.377
	I	F"	0.645	0.645	0.646	0.647	0.647	0.648	0.649	0.649	0.650	0.651
0.170	I	F'	-4.341	-4.306	-4.273	-4.242	-4.212	-4.183	-4.155	-4.128	-4.102	-4.077
	I	F"	0.651	0.652	0.653	0.653	0.654	0.655	0.656	0.656	0.657	0.658
0.171	I	F'	-4.053	-4.029	-4.007	-3.985	-3.964	-3.943	-3.923	-3.904	-3.885	-3.866
	I	F"	0.658	0.659	0.660	0.660	0.661	0.662	0.662	0.663	0.664	0.664
0.172	I	F'	-3.848	-3.831	-3.814	-3.797	-3.781	-3.765	-3.750	-3.734	-3.720	-3.705
	I	F"	0.665	0.666	0.667	0.667	0.668	0.669	0.669	0.670	0.671	0.671
0.173	I	F'	-3.691	-3.677	-3.663	-3.650	-3.637	-3.624	-3.611	-3.599	-3.587	-3.575
	I	F"	0.672	0.673	0.674	0.674	0.675	0.676	0.676	0.677	0.678	0.678
0.174	I	F'	-3.563	-3.552	-3.540	-3.529	-3.518	-3.507	-3.497	-3.486	-3.476	-3.466
	I	F"	0.679	0.680	0.681	0.681	0.682	0.683	0.683	0.684	0.685	0.685
0.175	I	F'	-3.456	-3.446	-3.437	-3.427	-3.418	-3.409	-3.400	-3.391	-3.382	-3.373
	I	F"	0.686	0.687	0.688	0.688	0.689	0.690	0.690	0.691	0.692	0.692
0.176	I	F'	-3.364	-3.356	-3.348	-3.339	-3.331	-3.323	-3.315	-3.307	-3.299	-3.292
	I	F"	0.693	0.694	0.695	0.695	0.696	0.697	0.697	0.698	0.699	0.700
0.177	I	F'	-3.284	-3.277	-3.269	-3.262	-3.255	-3.248	-3.241	-3.234	-3.227	-3.220
	I	F"	0.700	0.701	0.702	0.702	0.703	0.704	0.705	0.705	0.706	0.707
0.178	I	F'	-3.213	-3.206	-3.200	-3.193	-3.187	-3.180	-3.174	-3.168	-3.162	-3.155
	I	F"	0.707	0.708	0.709	0.709	0.710	0.711	0.712	0.712	0.713	0.714
0.179	I	F'	-3.149	-3.143	-3.137	-3.131	-3.126	-3.120	-3.114	-3.108	-3.103	-3.097
	I	F"	0.714	0.715	0.716	0.717	0.717	0.718	0.719	0.719	0.720	0.721
0.180	I	F'	-3.092	-3.086	-3.081	-3.075	-3.070	-3.065	-3.059	-3.054	-3.049	-3.044
	I	F"	0.722	0.722	0.723	0.724	0.725	0.725	0.726	0.727	0.727	0.728
0.181	I	F'	-3.039	-3.034	-3.029	-3.024	-3.019	-3.014	-3.009	-3.004	-3.000	-2.995
	I	F"	0.729	0.730	0.730	0.731	0.732	0.732	0.733	0.734	0.735	0.735

ATOMIC SYMBOL = IR ATOMIC NUMBER = 77 K ABSORPTION EDGE (0.16292 Å; 76.0965 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.149	I	F'	-2.522	-2.529	-2.536	-2.543	-2.550	-2.557	-2.564	-2.571	-2.578	-2.586
	I	F"	2.790	2.793	2.796	2.799	2.802	2.805	2.808	2.811	2.814	2.817
0.150	I	F'	-2.593	-2.600	-2.608	-2.615	-2.623	-2.630	-2.638	-2.646	-2.653	-2.661
	I	F"	2.820	2.823	2.826	2.829	2.832	2.835	2.838	2.841	2.844	2.847
0.151	I	F'	-2.669	-2.677	-2.685	-2.693	-2.701	-2.710	-2.718	-2.726	-2.735	-2.743
	I	F"	2.850	2.853	2.856	2.859	2.862	2.865	2.868	2.871	2.874	2.877
0.152	I	F'	-2.752	-2.761	-2.769	-2.778	-2.787	-2.796	-2.805	-2.814	-2.824	-2.833
	I	F"	2.881	2.884	2.887	2.890	2.893	2.896	2.899	2.902	2.905	2.908
0.153	I	F'	-2.843	-2.852	-2.862	-2.872	-2.881	-2.891	-2.901	-2.912	-2.922	-2.932
	I	F"	2.911	2.914	2.917	2.920	2.923	2.926	2.929	2.932	2.935	2.939
0.154	I	F'	-2.943	-2.953	-2.964	-2.975	-2.986	-2.998	-3.009	-3.021	-3.033	-3.045
	I	F"	2.942	2.945	2.948	2.951	2.954	2.957	2.960	2.963	2.966	2.969
0.155	I	F'	-3.058	-3.070	-3.082	-3.094	-3.107	-3.119	-3.132	-3.145	-3.158	-3.171
	I	F"	2.972	2.975	2.978	2.981	2.984	2.987	2.990	2.993	2.996	2.999
0.156	I	F'	-3.184	-3.198	-3.212	-3.226	-3.240	-3.254	-3.269	-3.283	-3.298	-3.314
	I	F"	3.002	3.005	3.008	3.011	3.014	3.017	3.020	3.023	3.026	3.029
0.157	I	F'	-3.329	-3.345	-3.361	-3.377	-3.394	-3.410	-3.427	-3.445	-3.463	-3.481
	I	F"	3.032	3.035	3.038	3.041	3.044	3.047	3.049	3.052	3.055	3.058
0.158	I	F'	-3.499	-3.518	-3.537	-3.556	-3.576	-3.597	-3.617	-3.639	-3.660	-3.683
	I	F"	3.061	3.064	3.067	3.070	3.073	3.076	3.079	3.082	3.085	3.087
0.159	I	F'	-3.705	-3.729	-3.753	-3.777	-3.802	-3.828	-3.855	-3.882	-3.910	-3.939
	I	F"	3.090	3.093	3.096	3.099	3.102	3.105	3.108	3.111	3.114	3.116
0.160	I	F'	-3.969	-4.000	-4.032	-4.066	-4.100	-4.136	-4.173	-4.212	-4.253	-4.295
	I	F"	3.119	3.122	3.125	3.128	3.131	3.134	3.137	3.140	3.142	3.145
0.161	I	F'	-4.340	-4.387	-4.436	-4.488	-4.544	-4.604	-4.667	-4.736	-4.811	-4.892
	I	F"	3.148	3.151	3.154	3.157	3.160	3.162	3.165	3.168	3.171	3.174
0.162	I	F'	-4.982	-5.082	-5.196	-5.327	-5.482	-5.673	-5.919	-6.269	-6.888	-8.583
	I	F"	3.177	3.179	3.182	3.185	3.188	3.191	3.194	3.196	3.199	0.640
0.163	I	F'	-6.711	-6.193	-5.881	-5.657	-5.483	-5.341	-5.221	-5.117	-5.025	-4.943
	I	F"	0.640	0.641	0.642	0.642	0.643	0.644	0.645	0.645	0.646	0.647
0.164	I	F'	-4.869	-4.802	-4.740	-4.683	-4.630	-4.580	-4.534	-4.490	-4.449	-4.410
	I	F"	0.647	0.648	0.649	0.649	0.650	0.651	0.652	0.652	0.653	0.654
0.165	I	F'	-4.373	-4.337	-4.304	-4.272	-4.241	-4.211	-4.183	-4.156	-4.129	-4.104
	I	F"	0.654	0.655	0.656	0.657	0.657	0.658	0.659	0.659	0.660	0.661
0.166	I	F'	-4.080	-4.056	-4.033	-4.011	-3.990	-3.969	-3.948	-3.929	-3.910	-3.891
	I	F"	0.662	0.662	0.663	0.664	0.664	0.665	0.666	0.667	0.667	0.668
0.167	I	F'	-3.873	-3.855	-3.838	-3.822	-3.805	-3.789	-3.774	-3.758	-3.743	-3.729
	I	F"	0.669	0.669	0.670	0.671	0.672	0.672	0.673	0.674	0.674	0.675
0.168	I	F'	-3.715	-3.701	-3.687	-3.674	-3.660	-3.647	-3.635	-3.622	-3.610	-3.598
	I	F"	0.676	0.677	0.677	0.678	0.679	0.680	0.680	0.681	0.682	0.682
0.169	I	F'	-3.587	-3.575	-3.564	-3.553	-3.542	-3.531	-3.520	-3.510	-3.499	-3.489
	I	F"	0.683	0.684	0.685	0.685	0.686	0.687	0.687	0.688	0.689	0.690
0.170	I	F'	-3.479	-3.470	-3.460	-3.451	-3.441	-3.432	-3.423	-3.414	-3.405	-3.396
	I	F"	0.690	0.691	0.692	0.693	0.693	0.694	0.695	0.695	0.696	0.697
0.171	I	F'	-3.388	-3.379	-3.371	-3.363	-3.354	-3.346	-3.338	-3.331	-3.323	-3.315
	I	F"	0.698	0.698	0.699	0.700	0.701	0.701	0.702	0.703	0.704	0.704
0.172	I	F'	-3.308	-3.300	-3.293	-3.285	-3.278	-3.271	-3.264	-3.257	-3.250	-3.243
	I	F"	0.705	0.706	0.706	0.707	0.708	0.709	0.709	0.710	0.711	0.712
0.173	I	F'	-3.237	-3.230	-3.223	-3.217	-3.210	-3.204	-3.198	-3.191	-3.185	-3.179
	I	F"	0.712	0.713	0.714	0.715	0.715	0.716	0.717	0.718	0.718	0.719
0.174	I	F'	-3.173	-3.167	-3.161	-3.155	-3.149	-3.143	-3.138	-3.132	-3.126	-3.121
	I	F"	0.720	0.720	0.721	0.722	0.723	0.723	0.724	0.725	0.726	0.726
0.175	I	F'	-3.115	-3.110	-3.104	-3.099	-3.094	-3.088	-3.083	-3.078	-3.073	-3.068
	I	F"	0.727	0.728	0.729	0.729	0.730	0.731	0.732	0.732	0.733	0.734
0.176	I	F'	-3.063	-3.058	-3.053	-3.048	-3.043	-3.038	-3.033	-3.029	-3.024	-3.019
	I	F"	0.735	0.735	0.736	0.737	0.738	0.738	0.739	0.740	0.741	0.741

ATOMIC SYMBOL = PT ATOMIC NUMBER = 78 K ABSORPTION EDGE (0.15818 Å; 78.3768 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
0.144	I	F'	-2.527	-2.533	-2.540	-2.547	-2.554	-2.561	-2.567	-2.574	-2.581	-2.588
	I	F"	2.758	2.761	2.764	2.767	2.771	2.774	2.777	2.780	2.783	2.786
0.145	I	F'	-2.595	-2.603	-2.610	-2.617	-2.624	-2.632	-2.639	-2.647	-2.654	-2.662
	I	F"	2.789	2.792	2.795	2.798	2.801	2.804	2.808	2.811	2.814	2.817
0.146	I	F'	-2.670	-2.677	-2.685	-2.693	-2.701	-2.709	-2.717	-2.725	-2.733	-2.742
	I	F"	2.820	2.823	2.826	2.829	2.832	2.836	2.839	2.842	2.845	2.848
0.147	I	F'	-2.750	-2.758	-2.767	-2.775	-2.784	-2.793	-2.802	-2.811	-2.820	-2.829
	I	F"	2.851	2.854	2.857	2.860	2.864	2.867	2.870	2.873	2.876	2.879
0.148	I	F'	-2.838	-2.847	-2.856	-2.866	-2.875	-2.885	-2.895	-2.904	-2.914	-2.924
	I	F"	2.882	2.885	2.888	2.892	2.895	2.898	2.901	2.904	2.907	2.910
0.149	I	F'	-2.934	-2.945	-2.955	-2.965	-2.976	-2.987	-2.998	-3.008	-3.019	-3.031
	I	F"	2.914	2.917	2.920	2.923	2.926	2.929	2.932	2.935	2.939	2.942
0.150	I	F'	-3.042	-3.053	-3.065	-3.077	-3.089	-3.101	-3.113	-3.125	-3.159	-3.172
	I	F"	2.945	2.948	2.951	2.954	2.957	2.961	2.964	2.967	2.970	2.973
0.151	I	F'	-3.184	-3.197	-3.211	-3.224	-3.237	-3.251	-3.265	-3.279	-3.293	-3.308
	I	F"	2.975	2.978	2.981	2.984	2.986	2.989	2.992	2.995	2.998	3.000
0.152	I	F'	-3.322	-3.337	-3.353	-3.368	-3.384	-3.399	-3.416	-3.432	-3.449	-3.466
	I	F"	3.003	3.006	3.009	3.011	3.014	3.017	3.020	3.022	3.025	3.028
0.153	I	F'	-3.483	-3.501	-3.519	-3.537	-3.556	-3.575	-3.594	-3.614	-3.634	-3.655
	I	F"	3.031	3.033	3.036	3.039	3.042	3.044	3.047	3.050	3.053	3.055
0.154	I	F'	-3.676	-3.697	-3.720	-3.742	-3.765	-3.789	-3.814	-3.839	-3.865	-3.891
	I	F"	3.058	3.061	3.064	3.066	3.069	3.072	3.075	3.077	3.080	3.083
0.155	I	F'	-3.918	-3.946	-3.975	-4.005	-4.035	-4.067	-4.100	-4.135	-4.171	-4.208
	I	F"	3.086	3.089	3.092	3.095	3.098	3.101	3.104	3.107	3.110	3.114
0.156	I	F'	-4.247	-4.288	-4.330	-4.375	-4.423	-4.473	-4.526	-4.583	-4.643	-4.708
	I	F"	3.117	3.120	3.123	3.126	3.130	3.133	3.136	3.139	3.143	3.146
0.157	I	F'	-4.779	-4.856	-4.940	-5.034	-5.139	-5.259	-5.399	-5.567	-5.778	-6.061
	I	F"	3.149	3.153	3.156	3.159	3.163	3.166	3.170	3.173	3.176	3.180
0.158	I	F'	-6.493	-7.463	-7.255	-6.434	-6.038	-5.776	-5.579	-5.422	-5.292	-5.180
	I	F"	3.183	3.187	0.643	0.644	0.644	0.645	0.646	0.647	0.647	0.648
0.159	I	F'	-5.083	-4.997	-4.919	-4.849	-4.785	-4.725	-4.671	-4.620	-4.572	-4.527
	I	F"	0.649	0.649	0.650	0.651	0.652	0.652	0.653	0.654	0.655	0.655
0.160	I	F'	-4.485	-4.445	-4.407	-4.371	-4.337	-4.304	-4.273	-4.243	-4.214	-4.186
	I	F"	0.656	0.657	0.657	0.658	0.659	0.660	0.660	0.661	0.662	0.663
0.161	I	F'	-4.160	-4.134	-4.109	-4.086	-4.063	-4.040	-4.019	-3.998	-3.977	-3.957
	I	F"	0.663	0.664	0.665	0.666	0.666	0.667	0.668	0.668	0.669	0.670
0.162	I	F'	-3.938	-3.919	-3.901	-3.884	-3.866	-3.849	-3.833	-3.817	-3.801	-3.786
	I	F"	0.671	0.671	0.672	0.673	0.674	0.674	0.675	0.676	0.677	0.677
0.163	I	F'	-3.771	-3.756	-3.742	-3.728	-3.714	-3.701	-3.688	-3.675	-3.662	-3.650
	I	F"	0.678	0.679	0.680	0.680	0.681	0.682	0.683	0.683	0.684	0.685
0.164	I	F'	-3.637	-3.625	-3.614	-3.602	-3.591	-3.580	-3.569	-3.558	-3.547	-3.537
	I	F"	0.686	0.686	0.687	0.688	0.689	0.689	0.690	0.691	0.692	0.692
0.165	I	F'	-3.527	-3.517	-3.507	-3.497	-3.487	-3.478	-3.468	-3.459	-3.450	-3.441
	I	F"	0.693	0.694	0.695	0.695	0.696	0.697	0.698	0.698	0.699	0.700
0.166	I	F'	-3.432	-3.423	-3.415	-3.406	-3.398	-3.390	-3.382	-3.374	-3.366	-3.358
	I	F"	0.701	0.701	0.702	0.703	0.704	0.704	0.705	0.706	0.707	0.707
0.167	I	F'	-3.350	-3.342	-3.335	-3.327	-3.320	-3.313	-3.306	-3.298	-3.291	-3.284
	I	F"	0.708	0.709	0.710	0.710	0.711	0.712	0.713	0.713	0.714	0.715
0.168	I	F'	-3.278	-3.271	-3.264	-3.257	-3.251	-3.244	-3.238	-3.232	-3.225	-3.219
	I	F"	0.716	0.716	0.717	0.718	0.719	0.719	0.720	0.721	0.722	0.723
0.169	I	F'	-3.213	-3.207	-3.201	-3.195	-3.189	-3.183	-3.177	-3.171	-3.166	-3.160
	I	F"	0.723	0.724	0.725	0.726	0.726	0.727	0.728	0.729	0.729	0.730
0.170	I	F'	-3.154	-3.149	-3.143	-3.138	-3.132	-3.127	-3.122	-3.116	-3.111	-3.106
	I	F"	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.736	0.737	0.738
0.171	I	F'	-3.101	-3.096	-3.091	-3.086	-3.081	-3.076	-3.071	-3.066	-3.062	-3.057
	I	F"	0.739	0.739	0.740	0.741	0.742	0.743	0.743	0.744	0.745	0.746

ATOMIC SYMBOL = AG ATOMIC NUMBER = 47 L_1 ABSORPTION EDGE (3.25640 Å; 3.8072 KEV)

	I		0.0000	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009
3.242	I	F'	-8.656	-8.661	-8.666	-8.671	-8.677	-8.682	-8.687	-8.692	-8.698	-8.703
	I	F"	14.102	14.103	14.104	14.104	14.105	14.106	14.106	14.107	14.108	14.108
3.243	I	F'	-8.708	-8.714	-8.719	-8.724	-8.730	-8.735	-8.741	-8.746	-8.752	-8.757
	I	F"	14.109	14.110	14.110	14.111	14.112	14.112	14.113	14.113	14.114	14.115
3.244	I	F'	-8.763	-8.769	-8.774	-8.780	-8.786	-8.792	-8.797	-8.803	-8.809	-8.815
	I	F"	14.115	14.116	14.117	14.117	14.118	14.119	14.119	14.120	14.121	14.121
3.245	I	F'	-8.821	-8.827	-8.833	-8.839	-8.845	-8.852	-8.858	-8.864	-8.870	-8.877
	I	F"	14.122	14.123	14.123	14.124	14.125	14.125	14.126	14.127	14.127	14.128
3.246	I	F'	-8.883	-8.890	-8.896	-8.903	-8.909	-8.916	-8.922	-8.929	-8.936	-8.943
	I	F"	14.129	14.129	14.130	14.131	14.131	14.132	14.133	14.133	14.134	14.135
3.247	I	F'	-8.950	-8.956	-8.963	-8.970	-8.978	-8.985	-8.992	-8.999	-9.007	-9.014
	I	F"	14.135	14.136	14.136	14.137	14.138	14.138	14.139	14.140	14.140	14.141
3.248	I	F'	-9.021	-9.029	-9.036	-9.044	-9.052	-9.060	-9.068	-9.075	-9.083	-9.092
	I	F"	14.142	14.142	14.143	14.144	14.144	14.145	14.146	14.146	14.147	14.148
3.249	I	F'	-9.100	-9.108	-9.116	-9.125	-9.133	-9.142	-9.151	-9.159	-9.168	-9.177
	I	F"	14.148	14.149	14.150	14.150	14.151	14.152	14.152	14.153	14.154	14.154
3.250	I	F'	-9.186	-9.196	-9.205	-9.214	-9.224	-9.233	-9.243	-9.253	-9.263	-9.273
	I	F"	14.155	14.156	14.156	14.157	14.158	14.158	14.159	14.159	14.160	14.161
3.251	I	F'	-9.283	-9.294	-9.304	-9.315	-9.326	-9.337	-9.348	-9.359	-9.371	-9.383
	I	F"	14.161	14.162	14.163	14.163	14.164	14.165	14.165	14.166	14.167	14.167
3.252	I	F'	-9.394	-9.407	-9.419	-9.431	-9.444	-9.457	-9.470	-9.483	-9.497	-9.511
	I	F"	14.168	14.169	14.169	14.170	14.171	14.171	14.172	14.173	14.173	14.174
3.253	I	F'	-9.525	-9.539	-9.554	-9.569	-9.585	-9.600	-9.616	-9.633	-9.650	-9.667
	I	F"	14.175	14.175	14.176	14.177	14.177	14.178	14.179	14.179	14.180	14.181
3.254	I	F'	-9.685	-9.703	-9.722	-9.741	-9.761	-9.781	-9.802	-9.824	-9.846	-9.869
	I	F"	14.181	14.182	14.183	14.183	14.184	14.184	14.185	14.186	14.186	14.187
3.255	I	F'	-9.893	-9.918	-9.944	-9.971	-9.999	-10.029	-10.059	-10.092	-10.126	-10.162
	I	F"	14.188	14.188	14.189	14.190	14.190	14.191	14.192	14.192	14.193	14.194
3.256	I	F'	-10.200	-10.240	-10.283	-10.330	-10.380	-10.435	-10.494	-10.561	-10.635	-10.719
	I	F"	14.194	14.195	14.196	14.196	14.197	14.198	14.198	14.199	14.200	14.200
3.257	I	F'	-10.817	-10.934	-11.079	-11.271	-11.554	-12.109	-12.461	-11.668	-11.342	-11.134
	I	F"	14.201	14.202	14.202	14.203	14.204	14.204	12.342	12.343	12.344	12.344
3.258	I	F'	-10.981	-10.860	-10.760	-10.675	-10.601	-10.535	-10.476	-10.423	-10.375	-10.330
	I	F"	12.345	12.345	12.346	12.347	12.347	12.348	12.349	12.349	12.350	12.350
3.259	I	F'	-10.289	-10.250	-10.214	-10.180	-10.148	-10.118	-10.090	-10.063	-10.037	-10.013
	I	F"	12.351	12.352	12.352	12.353	12.353	12.354	12.355	12.355	12.356	12.357
3.260	I	F'	-9.989	-9.967	-9.945	-9.925	-9.905	-9.885	-9.867	-9.849	-9.832	-9.815
	I	F"	12.357	12.358	12.358	12.359	12.360	12.360	12.361	12.361	12.362	12.363
3.261	I	F'	-9.799	-9.784	-9.768	-9.754	-9.739	-9.726	-9.712	-9.699	-9.686	-9.674
	I	F"	12.363	12.364	12.365	12.365	12.366	12.366	12.367	12.368	12.368	12.369
3.262	I	F'	-9.662	-9.650	-9.638	-9.627	-9.616	-9.605	-9.595	-9.584	-9.574	-9.564
	I	F"	12.369	12.370	12.371	12.371	12.372	12.373	12.373	12.374	12.374	12.375
3.263	I	F'	-9.555	-9.545	-9.536	-9.527	-9.518	-9.509	-9.501	-9.492	-9.484	-9.476
	I	F"	12.376	12.376	12.377	12.378	12.378	12.379	12.379	12.380	12.381	12.381
3.264	I	F'	-9.468	-9.461	-9.453	-9.445	-9.438	-9.431	-9.424	-9.417	-9.410	-9.403
	I	F"	12.382	12.382	12.383	12.384	12.384	12.385	12.386	12.386	12.387	12.387
3.265	I	F'	-9.396	-9.390	-9.383	-9.377	-9.371	-9.365	-9.359	-9.353	-9.347	-9.341
	I	F"	12.388	12.389	12.389	12.390	12.390	12.391	12.392	12.392	12.393	12.394
3.266	I	F'	-9.335	-9.330	-9.324	-9.319	-9.313	-9.308	-9.303	-9.298	-9.292	-9.287
	I	F"	12.394	12.395	12.395	12.396	12.397	12.397	12.398	12.398	12.399	12.400
3.267	I	F'	-9.283	-9.278	-9.273	-9.268	-9.263	-9.259	-9.254	-9.250	-9.245	-9.241
	I	F"	12.400	12.401	12.402	12.402	12.403	12.403	12.404	12.405	12.405	12.406
3.268	I	F'	-9.237	-9.232	-9.228	-9.224	-9.220	-9.216	-9.212	-9.208	-9.204	-9.200
	I	F"	12.407	12.407	12.408	12.408	12.409	12.410	12.410	12.411	12.411	12.412
3.269	I	F'	-9.196	-9.192	-9.188	-9.185	-9.181	-9.177	-9.174	-9.170	-9.167	-9.163
	I	F"	12.413	12.413	12.414	12.415	12.415	12.416	12.416	12.417	12.418	12.418