

	K	L _I	L _{II}	L _{III}
Li	0.0548			
Be	0.111			
B				
C	0.2838			
N	0.4000			
O	0.5317			
F				
Ne	0.8669			
Na	1.0717		0.0306	
Mg	1.3034	0.0628	0.0497	0.0495
Al	1.5599	0.0870	0.0728	
Si	1.8400		0.1006	
P	2.1435		0.132	
S	2.4705			
Cl	2.8196			
Ar	3.2029			
K	3.6078		0.2946	
Ca	4.0381		0.3529	0.3493
Sc	4.489			
Ti	4.9645		0.4544	
V	5.4639			
Cr	5.9888	0.741	0.691	0.598
Mn	6.5376			
Fe	7.1112		0.7208	0.7074
Co	7.7095		0.7938	0.7790
Ni	8.3317		0.8706	0.8536
Cu	8.9803		0.9527	0.9331
Zn	9.6607	0.9495	1.0452	1.0220
Ga	10.3682	1.3028	1.1450	1.1169
Ge	11.1036	1.4132	1.2494	1.2170
As	11.865	1.5293	1.3587	1.3235
Se	12.6545	1.6525	1.4747	1.4340
Br	13.470	1.781	1.599	1.5530
Kr	14.3244	1.915	1.7297	1.6772
Rb	15.2023	2.063	1.8661	1.8067
Sr	16.107	2.217	2.0085	1.9411
Y	17.038	2.377	2.1540	2.0794
Zr	17.9989	2.541	2.3053	2.2225
Nb	18.9869	2.710	2.4641	2.3706
Mo	20.0039	2.881	2.6274	2.5234
Tc	21.0473	3.055	2.7948	2.6780
Ru	22.1193	3.233	2.9663	2.8377
Rh	23.2198	3.417	3.1448	3.0021
Pd	24.348	3.607	3.3303	3.1730
Ag	25.5165	3.8072	3.5258	3.3510
Cd	26.7159	4.0190	3.7280	3.5376
In	27.9420	4.2373	3.9393	3.7302
Sn	29.1947	4.4648	4.1573	3.9288

3d-electron

4f-electron

	K	L _I	L _{II}	L _{III}
Sb	30.4860	4.6984	4.3819	4.1323
Te	31.8114	4.9397	4.6126	4.3418
I	33.1665	5.192	4.8540	4.5587
Xe	34.59	5.4528	5.1037	4.7822
Cs	35.987	5.721	5.3581	5.0113
Ba	37.452	5.996	5.6233	5.2470
La	38.934	6.268	5.889	5.484
Ce	40.453	6.548	6.161	5.723
Pr	42.002	6.834	6.439	5.963
Nd	43.574	7.1294	6.7234	6.2092
Pm	45.198	7.436	7.014	6.4605
Sm	46.849	7.7478	7.3132	6.7172
Eu	48.519	8.0607	7.6199	6.9806
Gd	50.233	8.3864	7.9310	7.2430
Tb	52.002	8.7167	8.2527	7.5153
Dy	53.793	9.0548	8.5830	7.7897
Ho	55.619	9.3994	8.9164	8.0676
Er	57.487	9.7574	9.2622	8.3575
Tm	59.38	10.1206	9.6171	8.6496
Yb	61.30	10.4904	9.9761	8.9441
Lu	63.31		10.3448	9.2490
Hf	65.31	11.274	10.7362	9.5577
Ta	67.403	11.682	11.132	9.8766
W	69.508	12.0996	11.538	10.1999
Re	71.658	12.530	11.954	10.5306
Os	73.856	12.972	12.381	10.8683
Ir	76.101	13.423	12.820	11.212
Pt	78.381	13.883	13.2723	11.562
Au	80.720	14.3537	13.7361	11.9212
Hg	83.109	14.842	14.215	12.286
Tl	85.533	15.343	14.699	12.660
Pb	88.005	15.855	15.2053	13.0406
Bi	90.534	16.376	15.719	13.426
Po				
At				
Rn				
Fr				
Ra		19.236	18.486	15.444
Ac				
Th	109.646	20.464	19.683	
Pa				
U	115.62	21.771	20.945	17.165