

Periodic Table with Auger Electron Transitions

80
Hg
2078●0.119
HgTe

Atomic number

Element symbol

Kinetic energy, most intense Auger transition
Compound analyzed

PHI sensitivity factor for designated Auger electron transition
(KLL = ◆; LMM = ●; MNN = ■)

1 H																2 He		
3 Li 50◆0.232	4 Be 108◆0.403											5 B 185◆0.391	6 C 275◆0.282 <i>graphite</i>	7 N 389◆0.600 <i>GaN</i>	8 O 510◆0.788 <i>SiO₂</i>	9 F 659◆1.91 <i>LiF</i>	10 Ne 821◆ <i>in graphite</i>	
11 Na 996◆0.282 30●0.528	12 Mg 1188◆0.405 48●0.649											13 Al 1396◆0.390 70●0.655	14 Si 1621◆0.266 96●0.924	15 P 1862◆0.183 123■11.38	16 S 2119◆0.111 153●2.43	17 Cl 2395◆0.108 184●6.42	18 Ar 219● <i>in Be</i>	
19 K 2979◆0.030 252●0.716	20 Ca 297●0.492	21 Sc 343●0.625	22 Ti 421●1.10	23 V 475●1.01	24 Cr 531●0.987	25 Mn 592●0.599	26 Fe 705●0.663	27 Co 777●0.843	28 Ni 849●0.847	29 Cu 922●1.00	30 Zn 997●1.04	31 Ga 1070●0.837 <i>GaN</i>	32 Ge 1150●0.555	33 As 1229●0.410	34 Se 1311●0.120	35 Br 1393●0.384 <i>KBr</i>	36 Kr 1478● <i>in graphite</i>	
37 Rb 1561●0.082 78■0.107	38 Sr 1651●0.100 114■0.108	39 Y 1748●0.107 132■0.281	40 Zr 1844●0.159 151■0.759	41 Nb 1944●0.115 170■0.707	42 Mo 2044●0.115 190■0.633	43 Tc	44 Ru 2256●0.084 277■1.13	45 Rh 2366●0.070 305■1.97	46 Pd 2476●0.065 333■2.04	47 Ag 2583●0.056 359■2.36	48 Cd 2694●0.040 379■2.61	49 In 2806●0.028 405■1.61	50 Sn 2919●0.023 432■1.73	51 Sb 3035●0.026 458■1.95	52 Te 3151●0.020 486■1.26	53 I 510■1.07 <i>KI</i>	54 Xe 537■ <i>in graphite</i>	
55 Cs 572■0.247	56 Ba 603■0.264	57 La 634■0.220	72 Hf 1625■0.262	73 Ta 1680■0.298	74 W 1737■0.298	75 Re 1793■0.259	76 Os 1850■0.204	77 Ir 1909■0.206	78 Pt 1969■0.191	79 Au 2022■0.184	80 Hg 2078■0.119 <i>HgTe</i>	81 Tl 2132■0.095	82 Pb 2188■0.150	83 Bi 2243■0.062	84 Po	85 At	86 Rn	
87 Fr	88 Ra	89 Ac																
			58 Ce 671■0.160	59 Pr 696■0.143	60 Nd 734■0.177	61 Pm	62 Sm 814■0.115	63 Eu 860■0.118	64 Gd 1030■0.108	65 Tb 1078■0.079	66 Dy 1127■0.073	67 Ho 1177■0.96	68 Er 1228■0.080	69 Tm 1452■0.143	70 Yb 1511■0.172	71 Lu 1568■0.187		
			90 Th 2634■0.025	91 Pa	92 U 2764■0.030	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr		