

Electron Binding Energies in electron volts

K 1s	L ₁ 2s	L ₂ 2p _{1/2}	L ₃ 2p _{3/2}	M ₁ 3s	M ₂ 3p _{1/2}	M ₃ 3p _{3/2}	M ₄ 3d _{3/2}	M ₅ 3d _{5/2}
90,524.	16,388.	15,711.	13,419.	3,999.	3,696.	3,177.	2,688.	2,580.

N ₁ 4s	N ₂ 4p _{1/2}	N ₃ 4p _{3/2}
939.	805.2	678.8

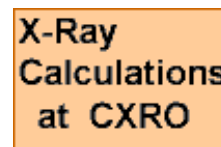
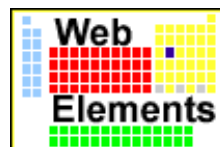
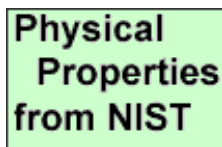
K and L shell emission lines in electron volts

Ka ₁	Ka ₂	Kb ₁	La ₁	La ₂	Lb ₁	Lb ₂	Lg ₁	Ma ₁
77,107.9	74,814.8	87,343.	10,838.8	10,730.91	13,023.5	12,979.9	15,247.7	2,422.6

Electron Configuration = [Xe]4f¹⁴5d¹⁰6s² 6p³

Oxidation State = 3,5 Nearest Neighbor = 0.311 nm

Density = 9.80 g/cm³ Concentration = 2.82 x 10²² atoms/cm³



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