

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}
88,005.	15,861.	15,200.	13,035.	3,851.	3,554.	3,066.	2,586.	2,484.

N ₁ 4s	N ₂ 4p _{1/2}	N ₃ 4p _{3/2}
891.8	761.9	643.5

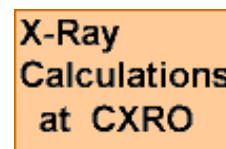
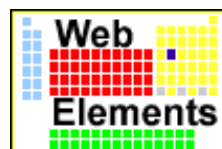
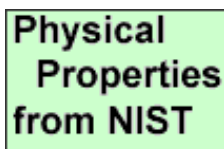
K and L shell emission lines in electron volts

Ka ₁	Ka ₂	Kb ₁	La ₁	La ₂	Lb ₁	Lb ₂	Lg ₁	Ma ₁
74,969.4	72,804.2	84,936.	10,551.5	10,449.5	12,613.7	12,622.6	14,764.4	2,345.5

Electron Configuration = [Xe]4f¹⁴5d¹⁰6s² 6p²

Oxidation State = 4,2 Nearest Neighbor = 0.350 nm

Density = 11.3 g/cm³ Concentration = 3.30 x 10²² atoms/cm³



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