



Glossary:

Photoelectric effect: The ejection of atomic electrons due to the energy imparted by X-ray photons leads to a process called the photoelectric effect.

Photoelectron: The electron(s) ejected from a material as a result of the interaction with X-rays.

X-ray source: Sealed X-ray tube that supplies X-ray radiation to the sample.

Monochromator: A device used to produce a monochromatic beam of light or radiation.

X-ray detector: A transducer that converts X-ray photon energy into voltage pulses.

Beer-Lambert: A well known law from optics used to describe the absorption or attenuation effect.