

17.2.1.3 Gamma-ray (or Depth-selective) photoelectron spectroscopy (DSPES)

Specialized technique for studying the elemental composition and depth of thin surface layers.

Incident: Fixed frequency γ -ray photon (2.38×10^4 eV, resonance line of Tm 119).

Detected: electron, 100 - 2.38×10^4 eV

Spectrum: Photoelectron count rate vs. analysing energy (photoelectron energy).