

Example HEXS / LEXS Spectra

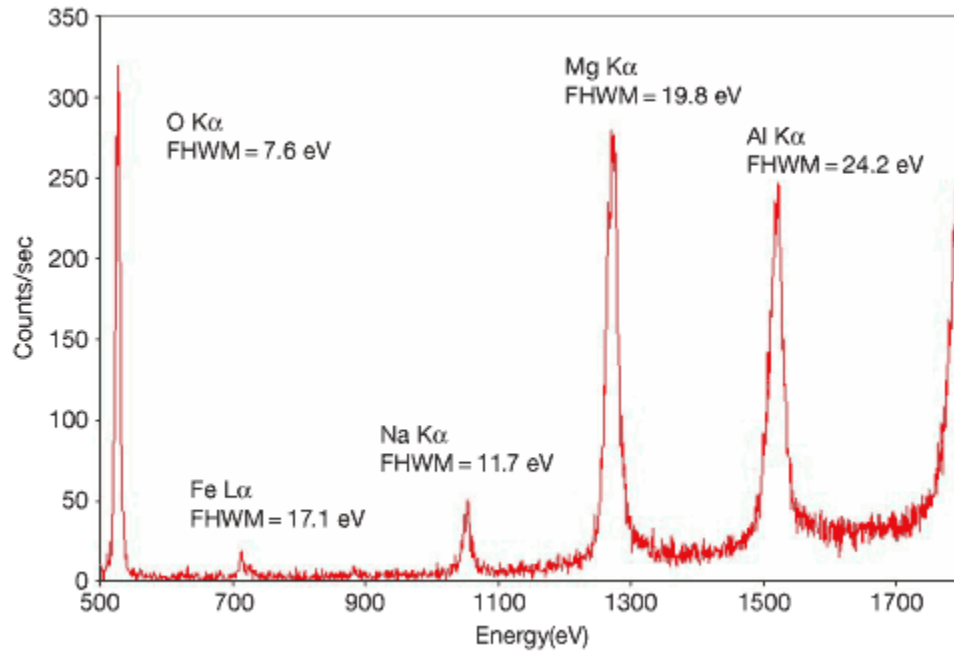


Fig. 1. Sample spectrum from HEXS showing the very high resolution (<8.0 eV) available for oxygen. For comparison, LEXS produces a resolution of about 15 eV for Oxygen.

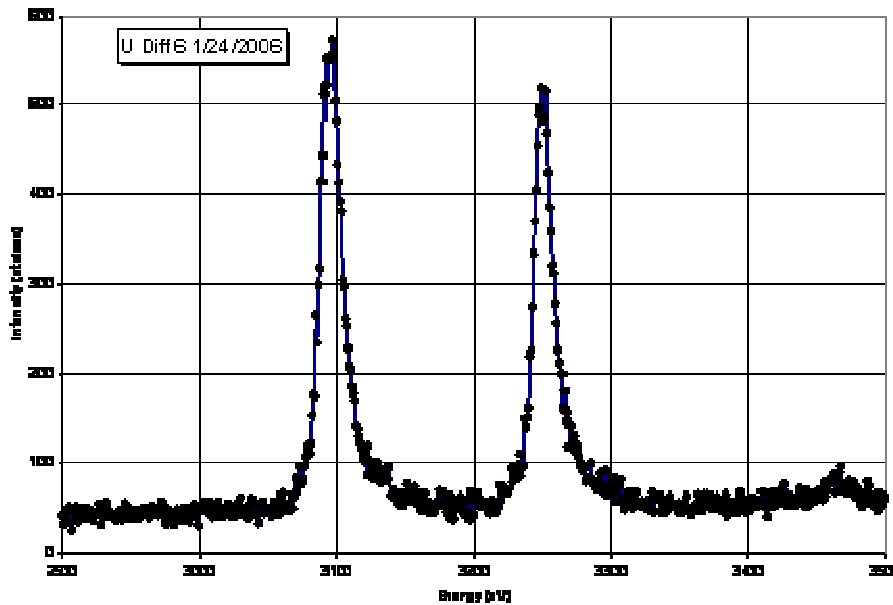


Fig. 2. Uranium (M) lines from the HEXS spectrometer showing excellent resolution and P/B

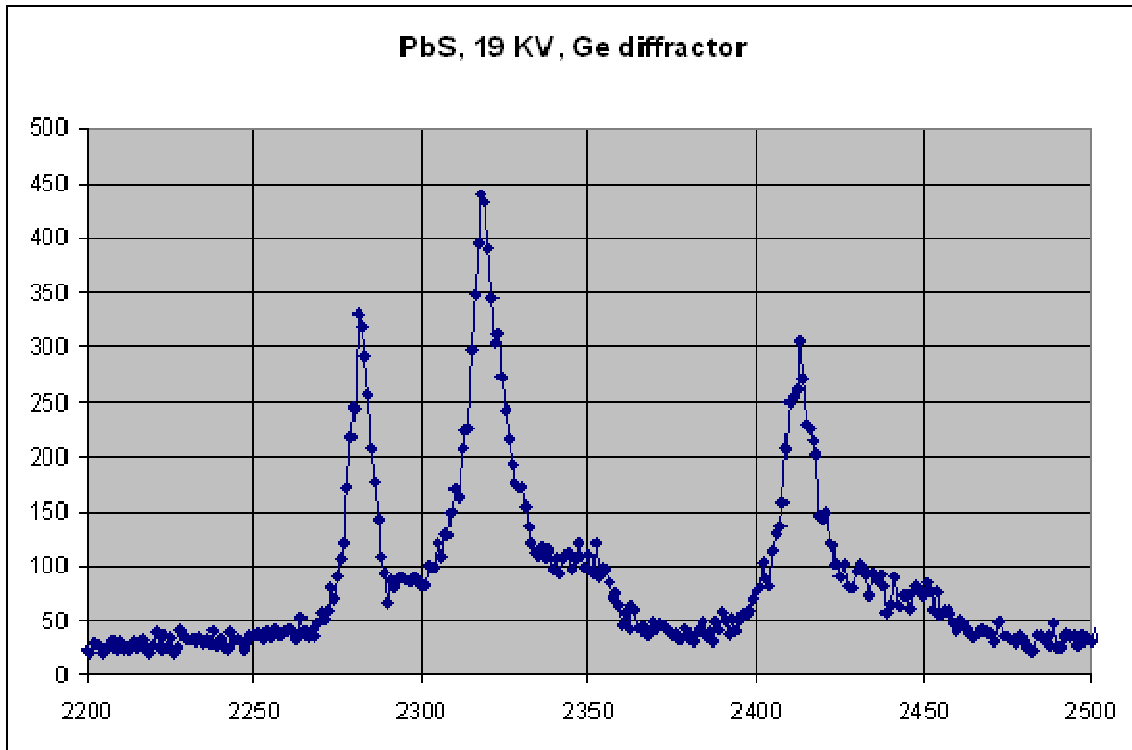
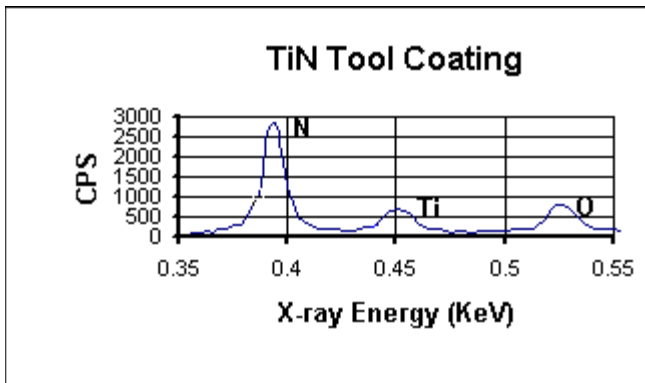
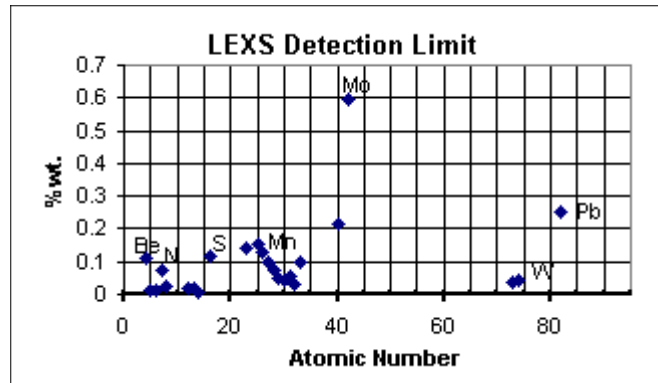


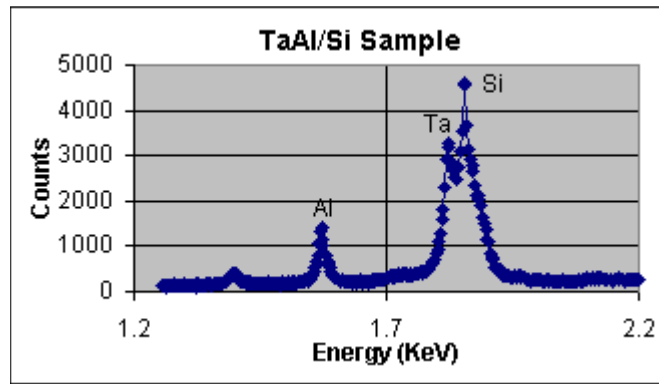
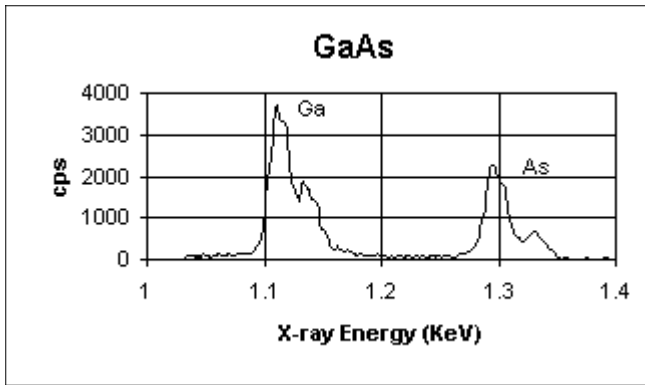
Fig. 3. PbS spectrum with Ge diffractor.



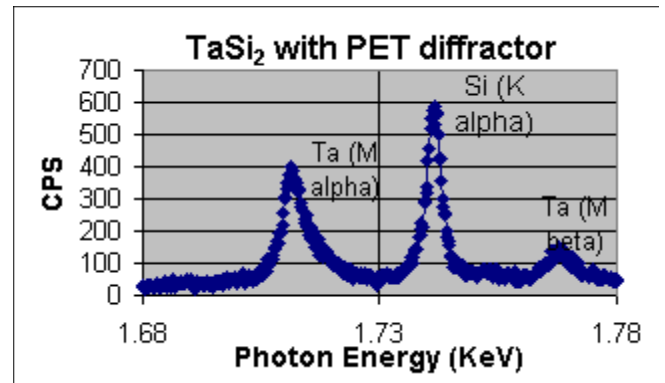
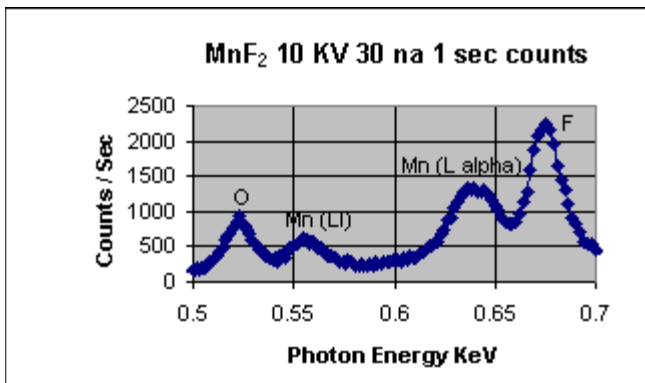
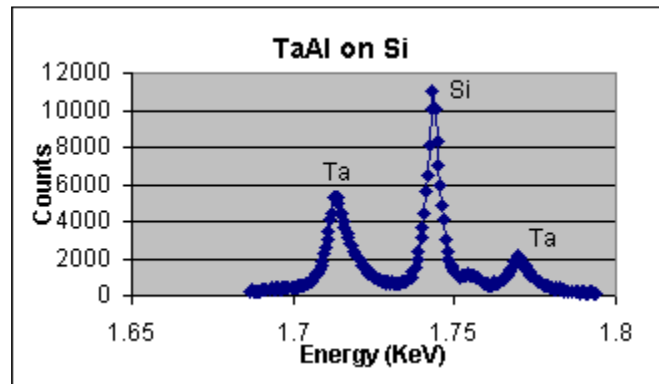
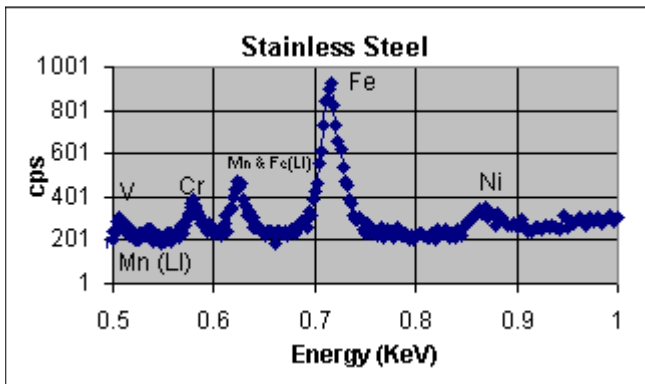
Sample spectrum from a TiN coated tool insert showing good separation of the Ti and N peaks and an unexpected O line from Oxygen in the coating



HEXS minimum detectable limits for various elements in %wt



Spectrum of GaAs sample showing the Ga and As alpha and beta peaks.



Manganese Fluoride (not Magnesium Fluoride) showing an O line Mn (L₁), Mn (L₂), and F lines.

