Data from B18 Diamond Light Source
Prof Andrew Dent

Figure 1: A ~1 wt% Pt nanoparticles from Young [1]. Data was collected on the Pt-L3 edge and is the sum of 9 elements, k^2 weighted. Data were collected at room temperature with 1 second per point. The 9-element Ortec fluorescence detector was run at 100k events per second per element.

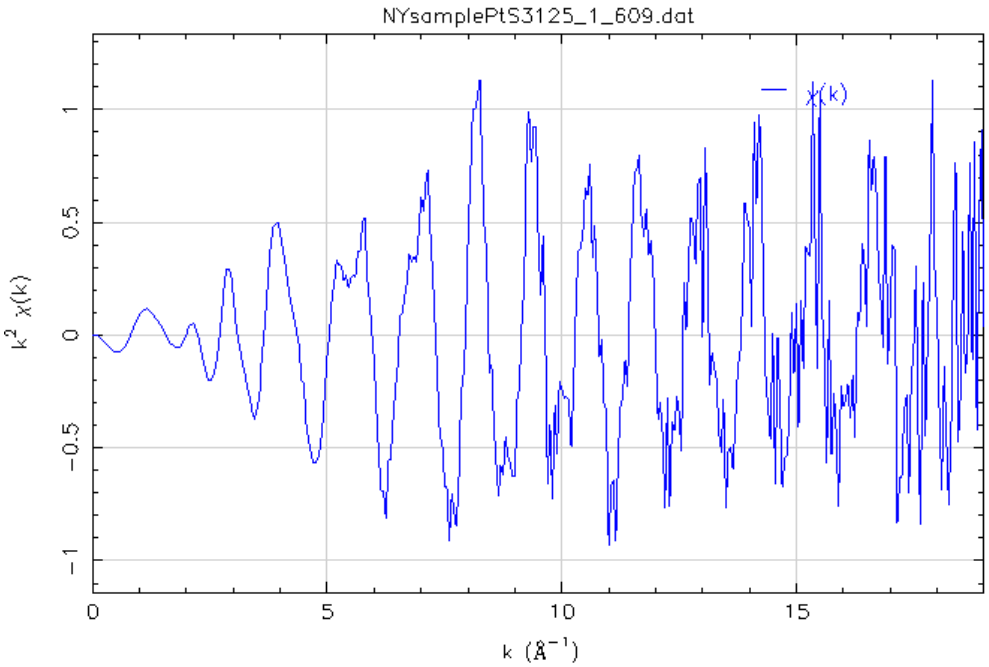
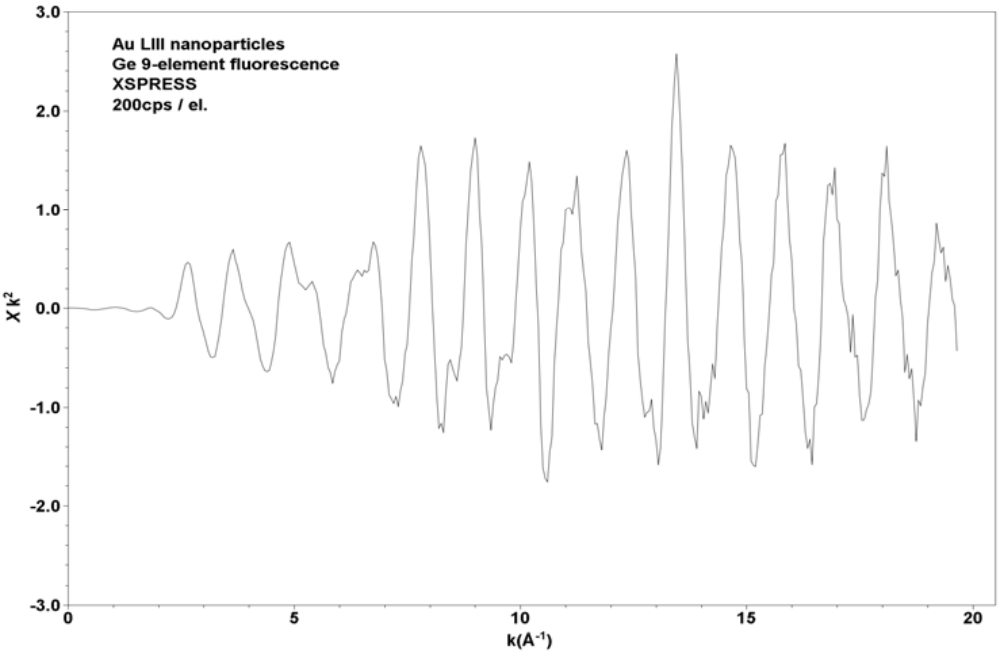


Figure 2. Diluted shows ca 0.5wt% gold nanoparticles [1], Au L3-edge collected at LN_2 temperature in fluorescence mode using a 9-element Ge detector with XSPRESS signal processing. The detector was running at a total rate of about 200k events/s per element. This is also 1 scan, but time per point was increasing from 3 to 5s per point



[1] N.A. Young et.al., Private Communication