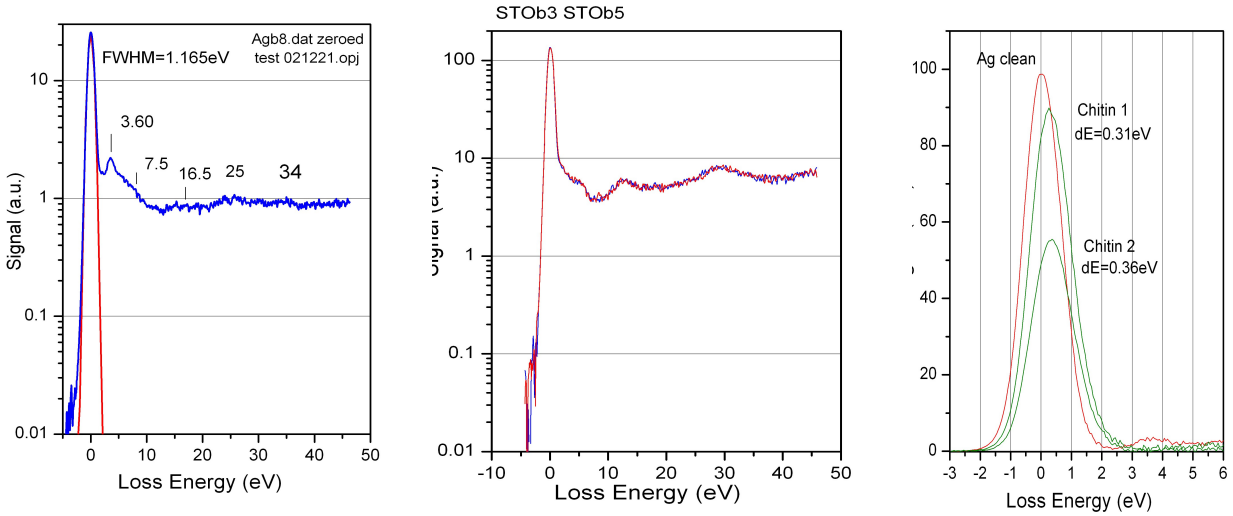

Figure 1:
Left & Center: REELS spectra from Ag and STO (not reconstructed) plotted on a logarithmic scale to show the high dynamic range of the signal and wide range fitting to a Gauss distribution.
Right: Elastic peak shows the recoil loss shift between Ag and Chitin (mostly H,C and O).

Figure 2:
Left:Elastic peak imaging of a STO surface after etching,
Right: Cathodo-luminescence image of the same region.

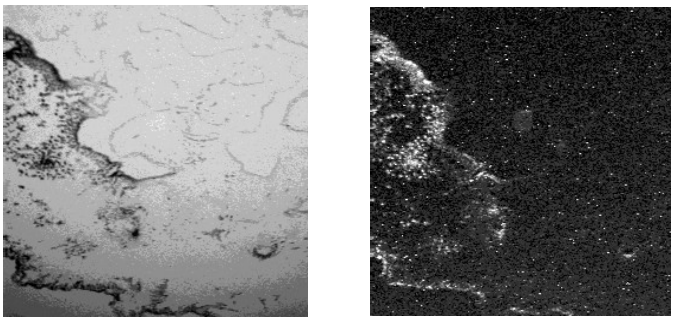

Figure 3:
Left: SE image of a chitin exoskeleton plagued by charging effects.
Center: Imaging of the elastic peak not sensitive to charging.
Right: Cathodo-luminescence image.

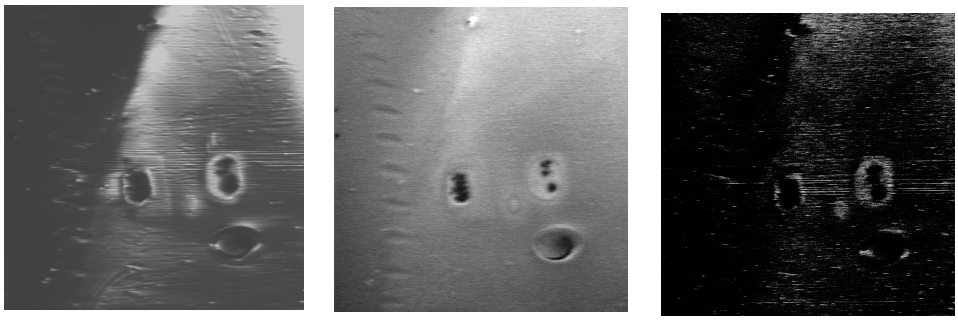

Figure 4:
Left: Elastic Peak image of a Ag surface before cleaning.
Right: image of the C plasmon signal.