

# ESCA Calculations Inspector

**ESCA** stands for **E**lectron **S**pectroscopy for **C**hemical **A**nalysis and the items in the *ESCA Inspector* are special analysis functions for this method. For more information look up in the documentations which are mentioned in the *Sources* help file.

## **Shirley/Tougaard Background Subtraction**

The two referent points can be defined directly or within the mouse mode *Shirley Background*.

The *Find Y* button calculates an optimal Value for *Y Start* and *Y End* by building the average for all points within the Interval which is specified in the *X Int* field.

The Tougaard Background does not need the Y values.

The *Result Mode* and *Background* radio buttons instruct SciPlot what to do with the results of these manipulations: Overwrite the input buffer or create a new one, and either save the background itself or forget it.

### **XPS Satellite Subtraction**

This function calculates and subtracts the X-ray satellites from an X-ray photoelectron spectra. The excitation source can be selected with the *Mg/Al* button.

The *Result Mode* radio buttons instructs SciPlot what to do with the results of these manipulations: Overwrite the input buffer or create a new one.

