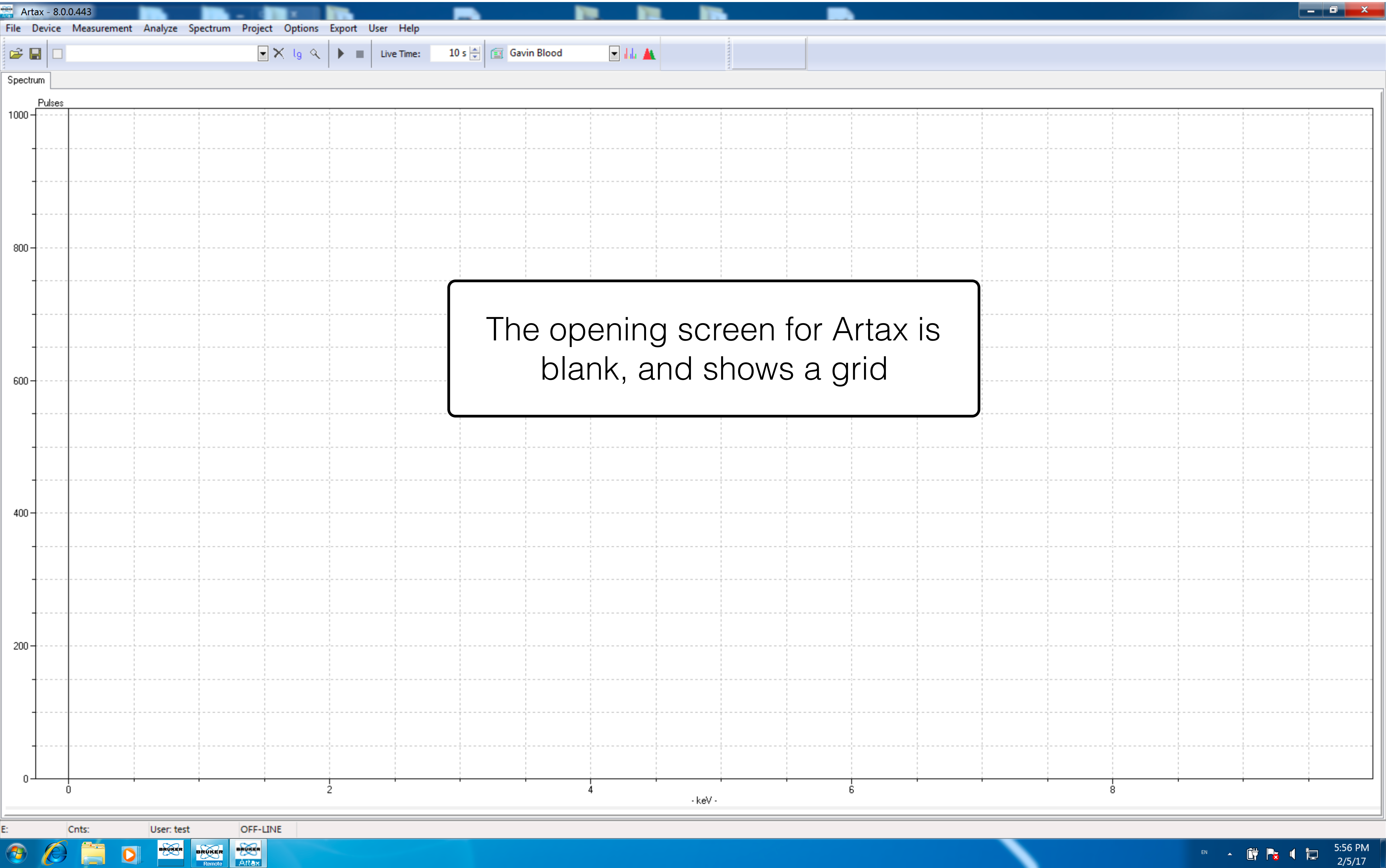
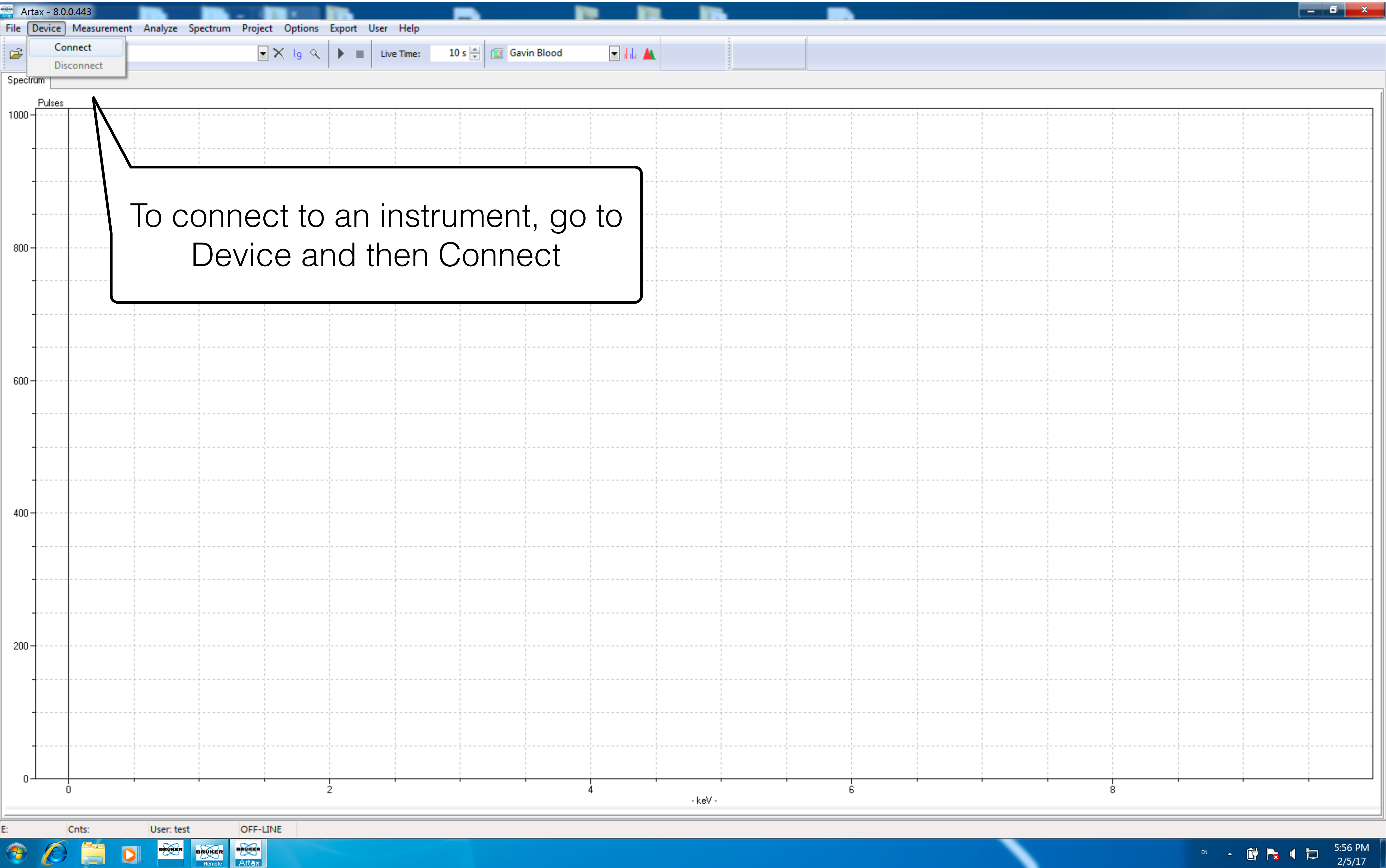
Artax Setup | Connecting the Instrument



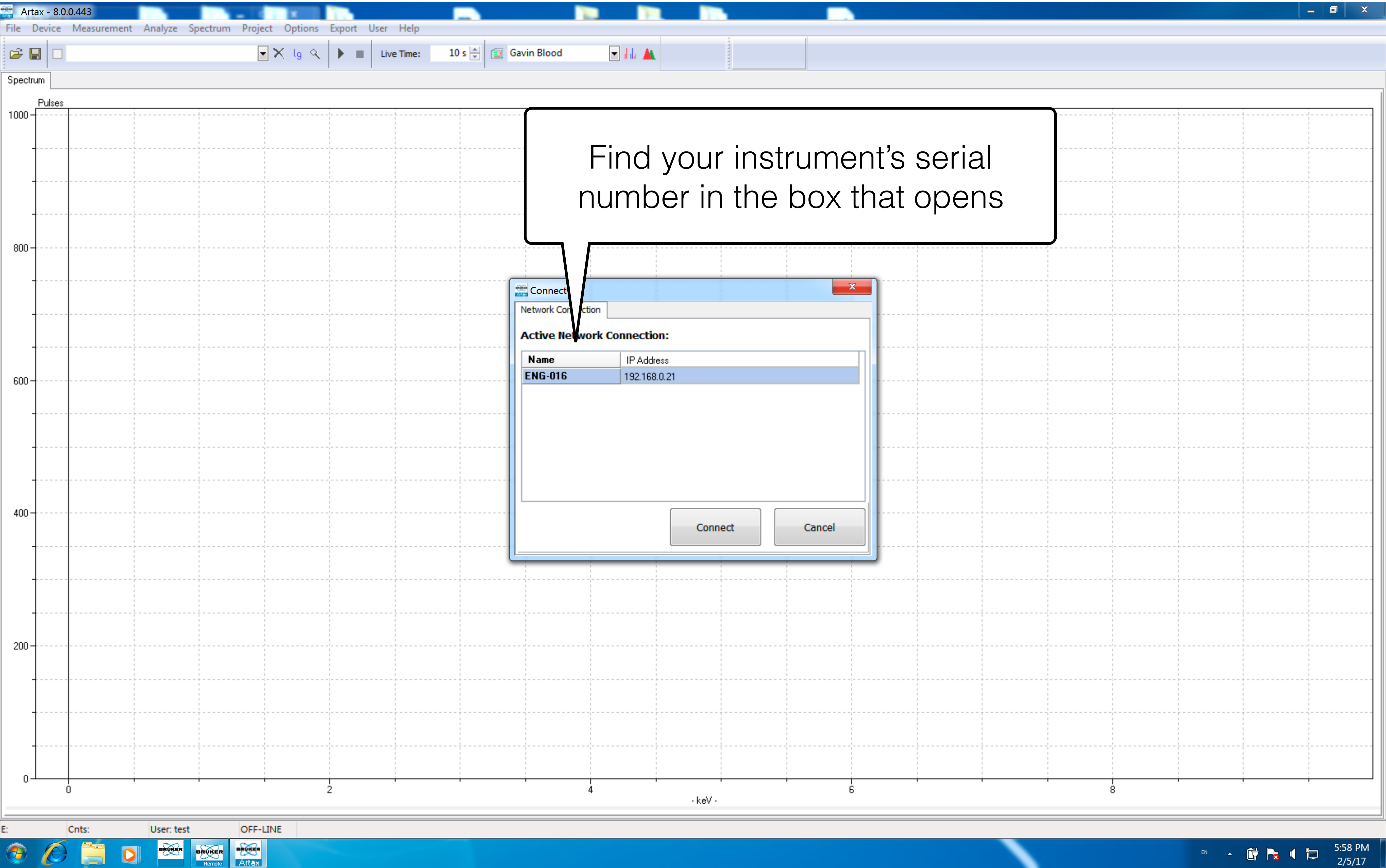
The opening screen for Artax is blank, and shows a grid

Artax Setup | Connecting the Instrument

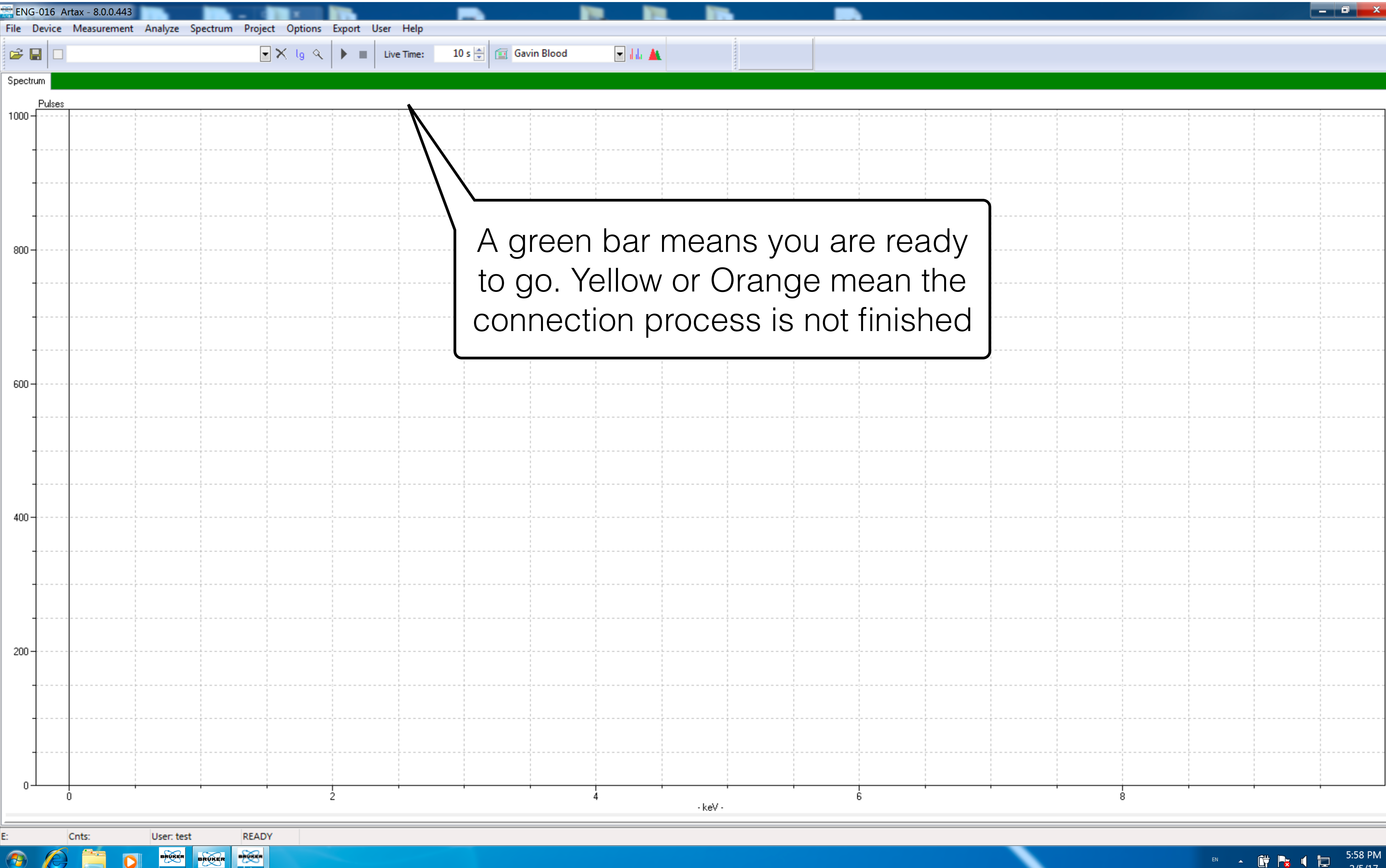


To connect to an instrument, go to Device and then Connect

Artax Setup | Connecting the Instrument

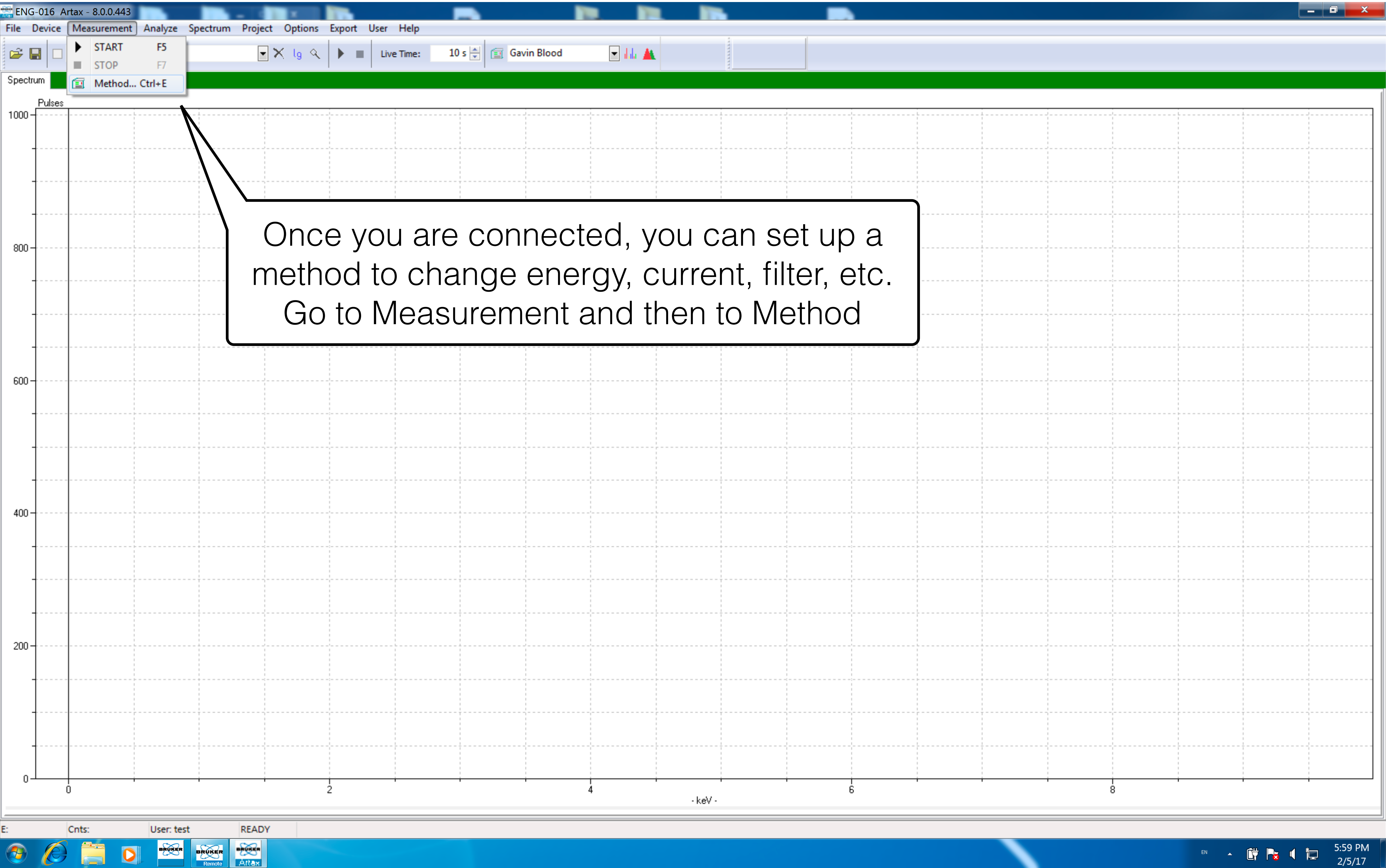


Artax Setup | Connecting the Instrument



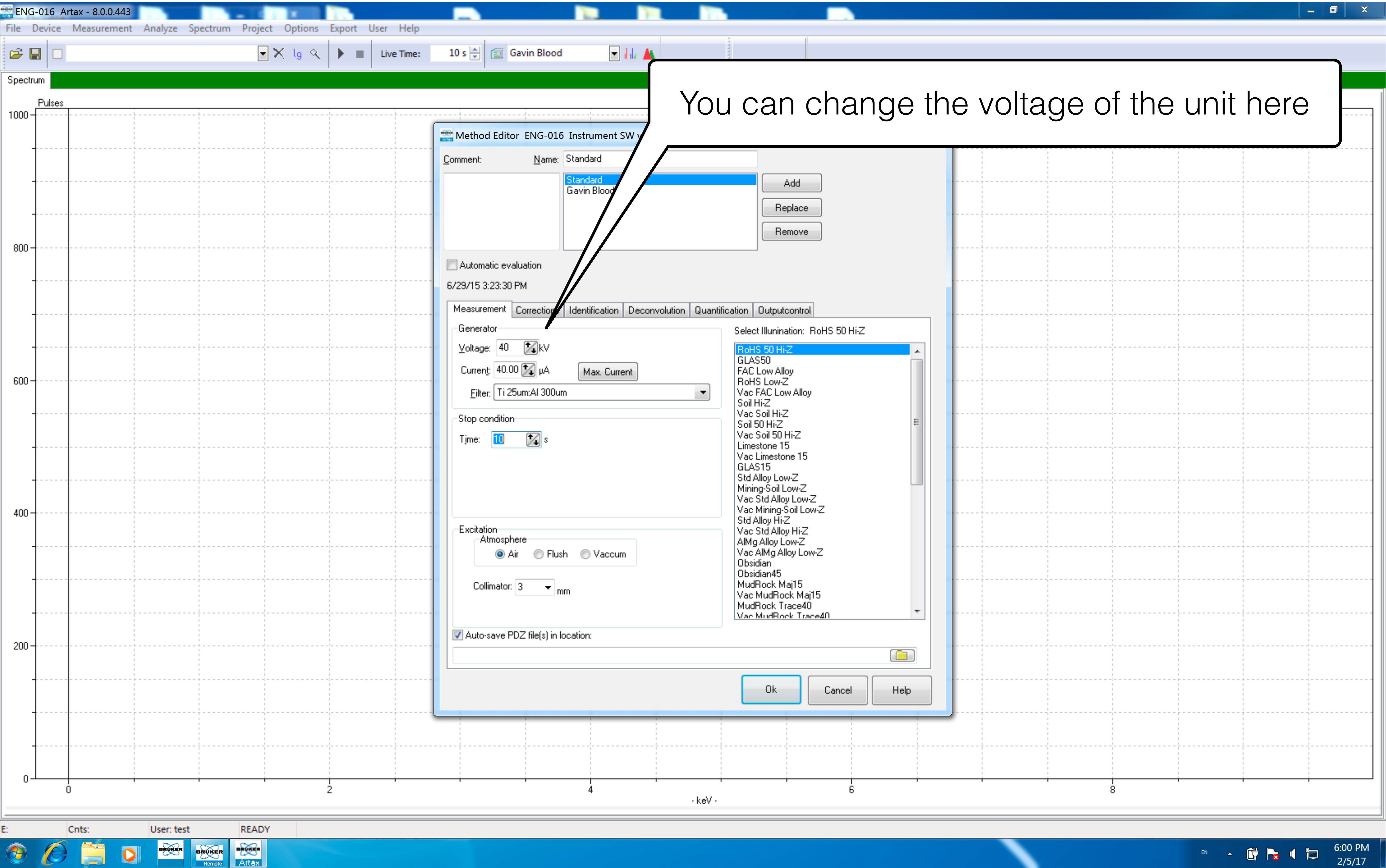
A green bar means you are ready to go. Yellow or Orange mean the connection process is not finished

Artax Setup | Customizing Parameters

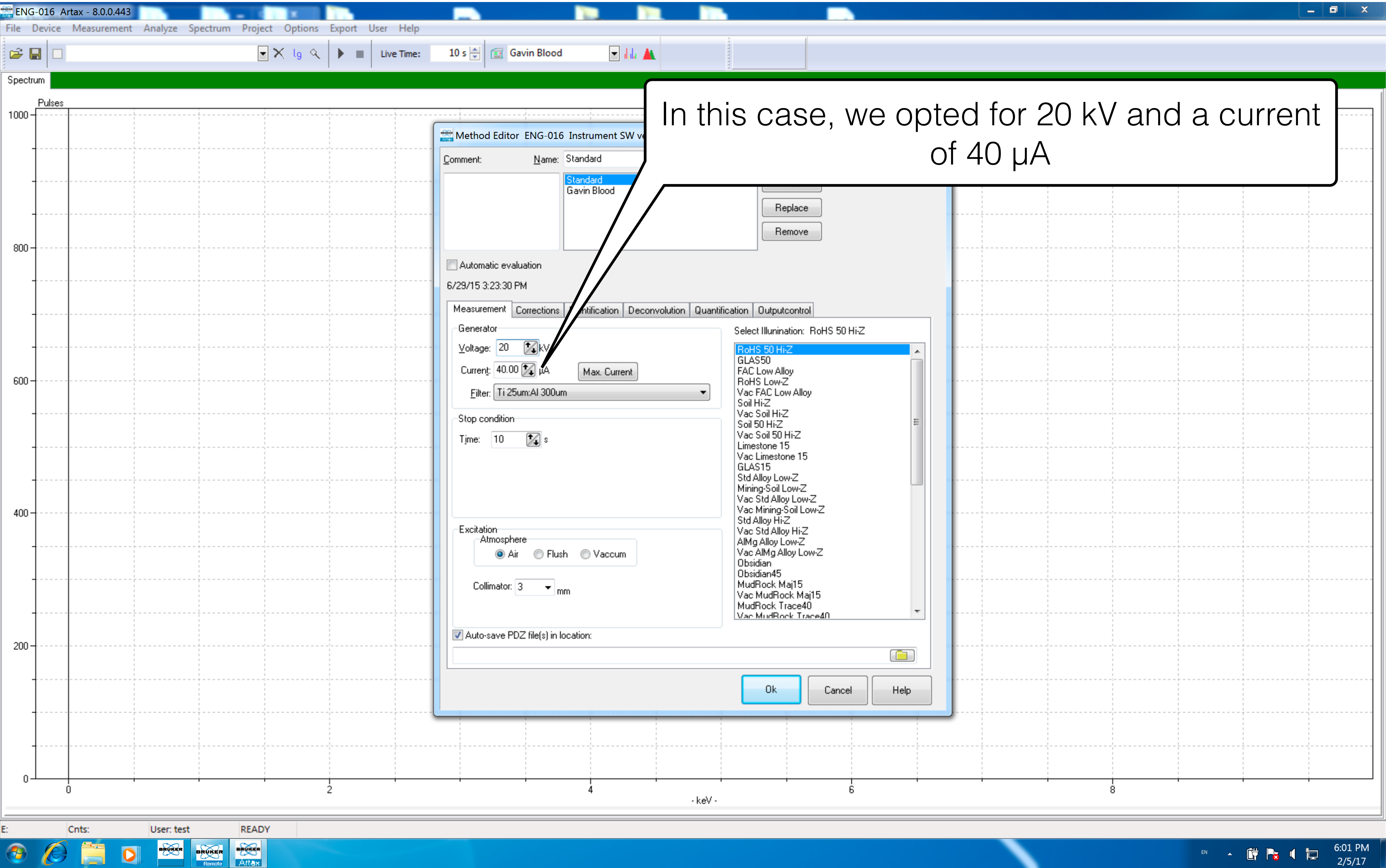


Once you are connected, you can set up a method to change energy, current, filter, etc. Go to Measurement and then to Method

Artax Setup | Customizing Parameters

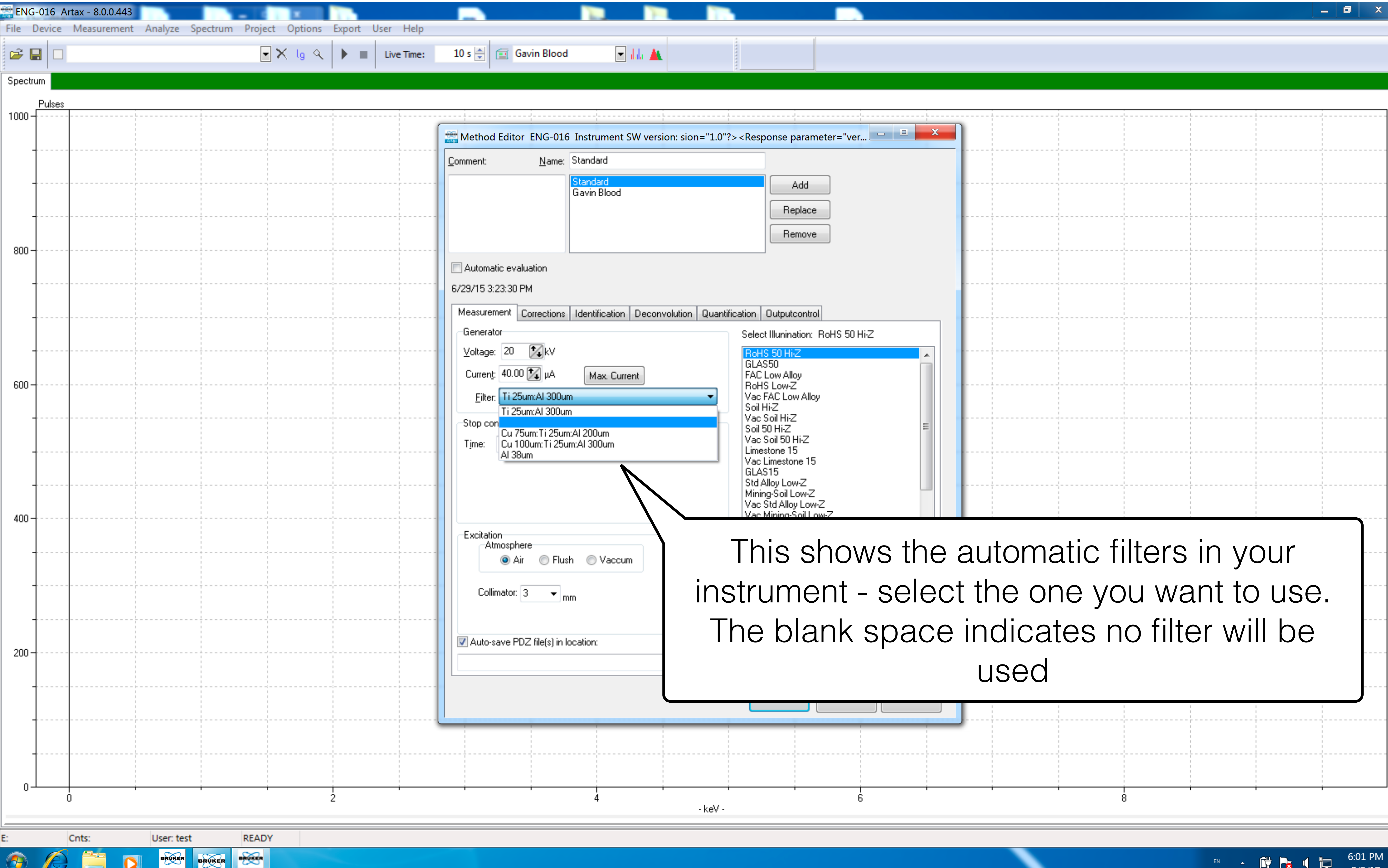


Artax Setup | Customizing Parameters



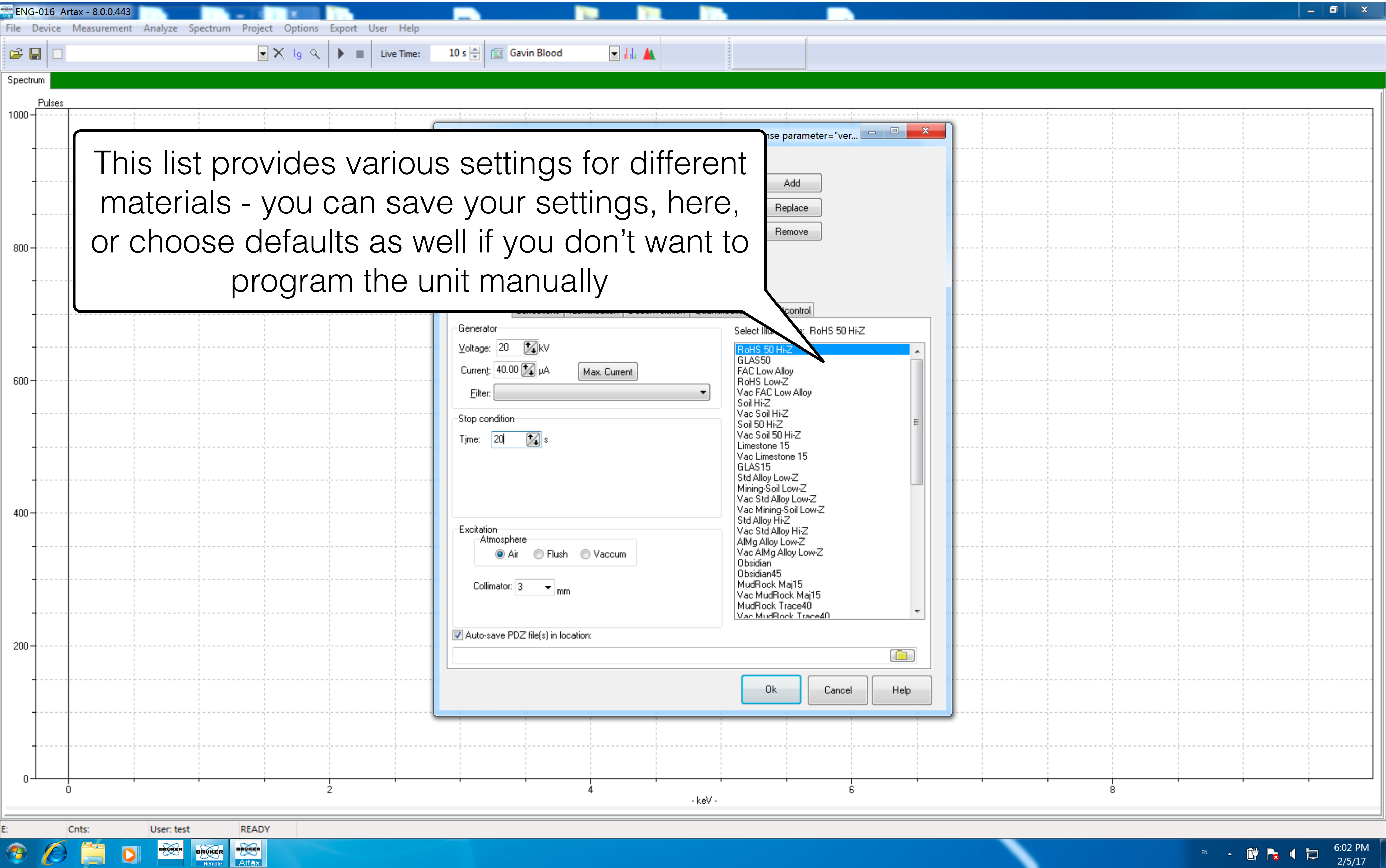
In this case, we opted for 20 kV and a current of 40 µA

Artax Setup | Customizing Parameters

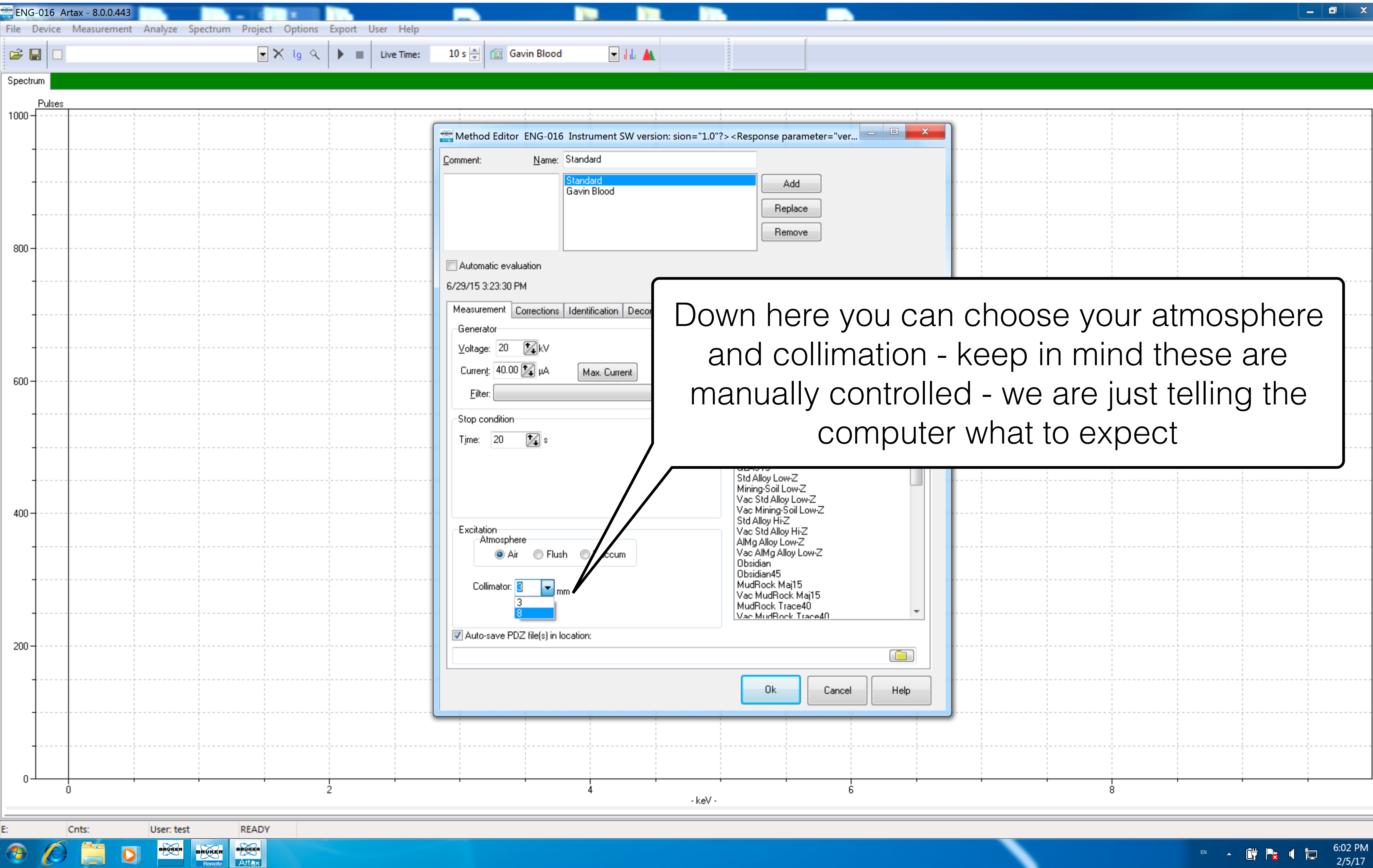


This shows the automatic filters in your instrument - select the one you want to use. The blank space indicates no filter will be used

Artax Setup | Customizing Parameters

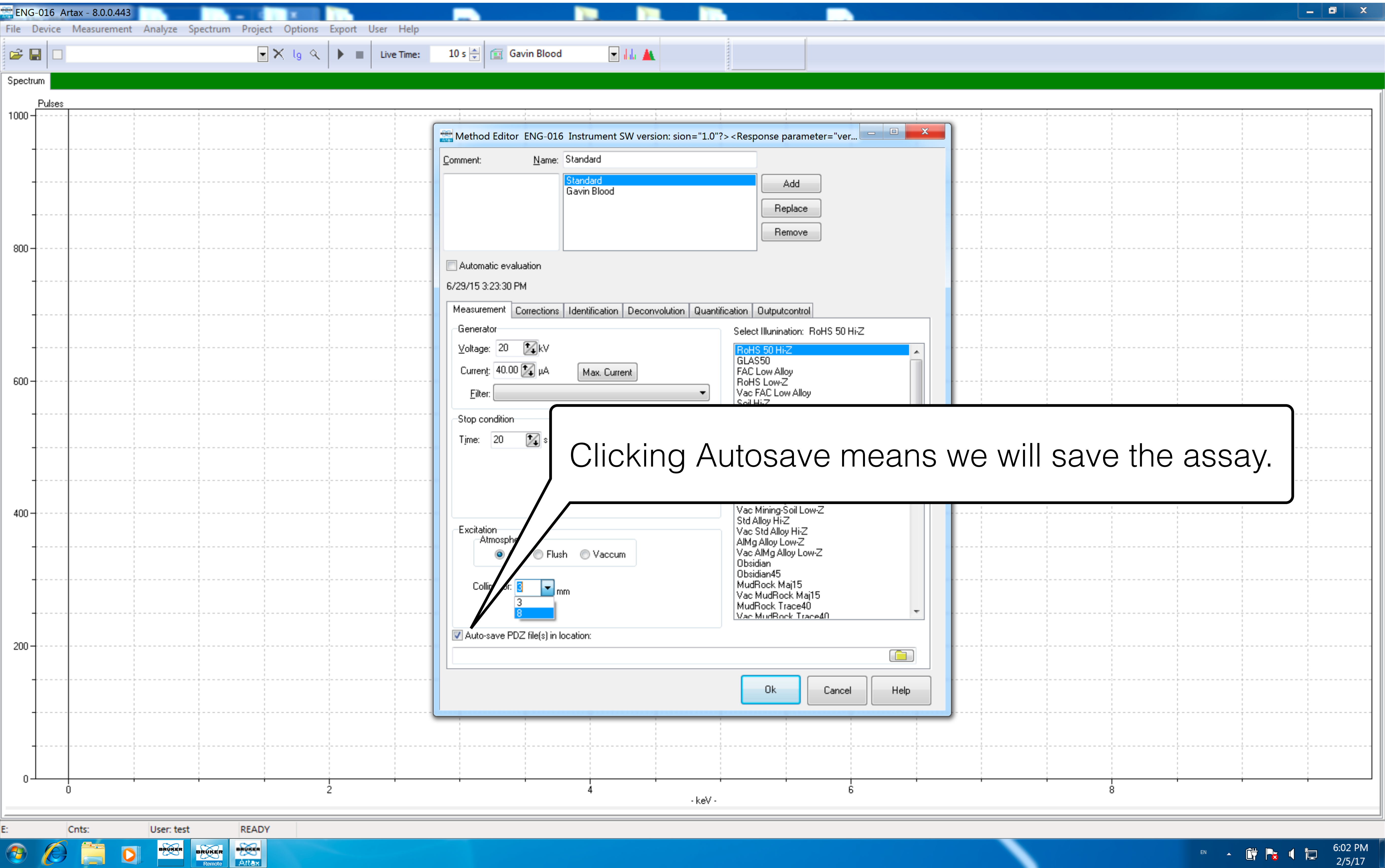


Artax Setup | Customizing Parameters

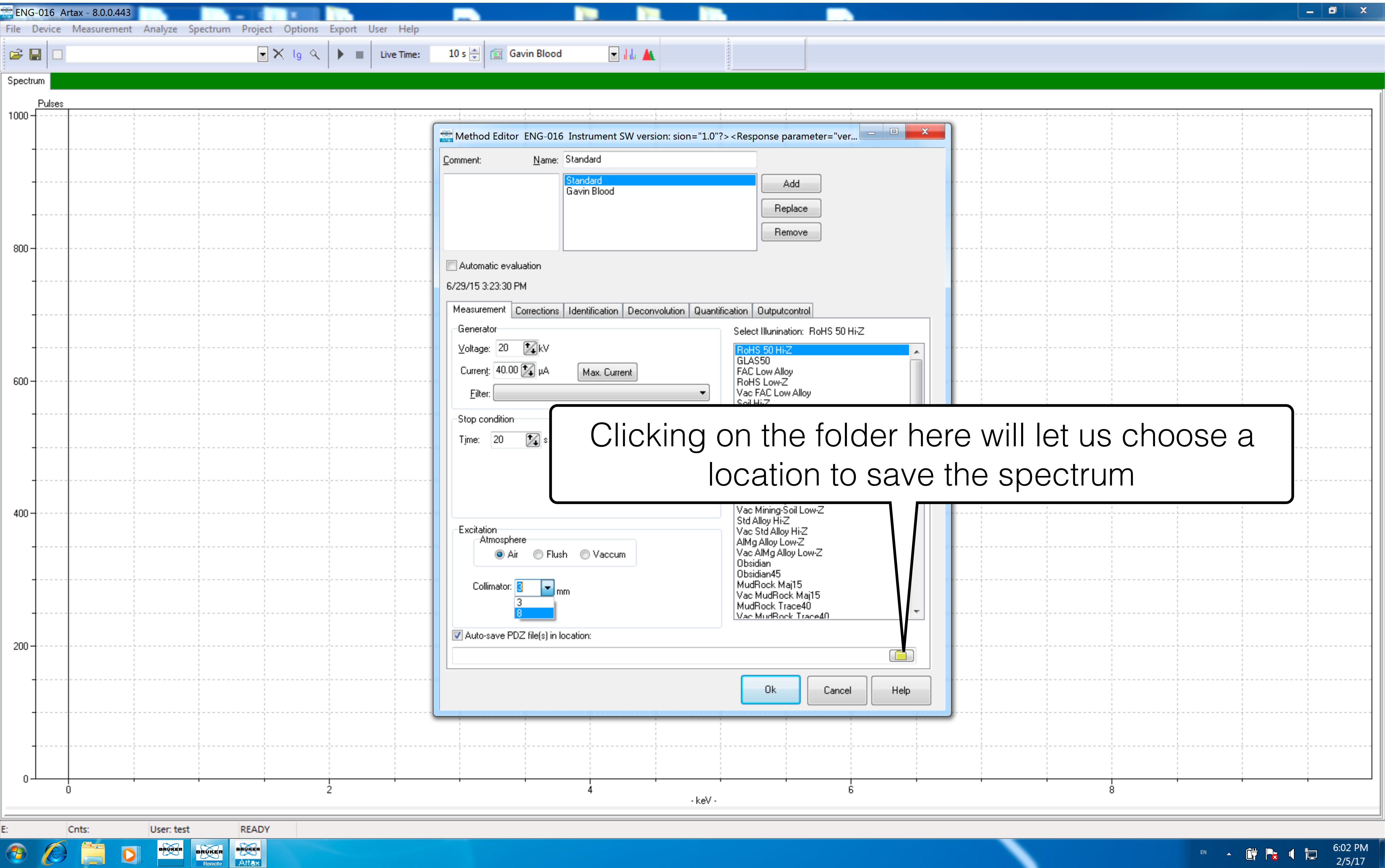


Down here you can choose your atmosphere and collimation - keep in mind these are manually controlled - we are just telling the computer what to expect

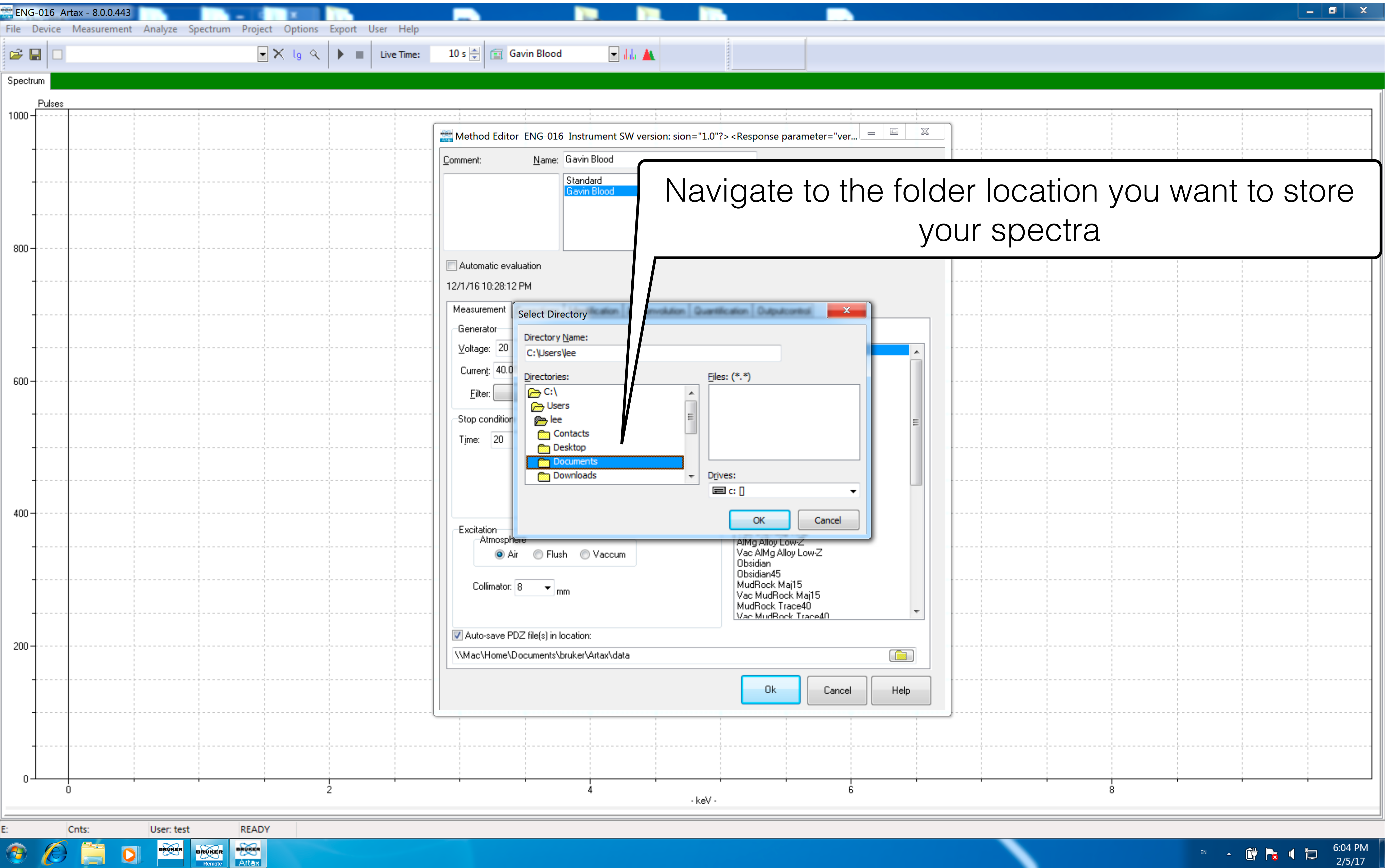
Artax Setup | Customizing Parameters



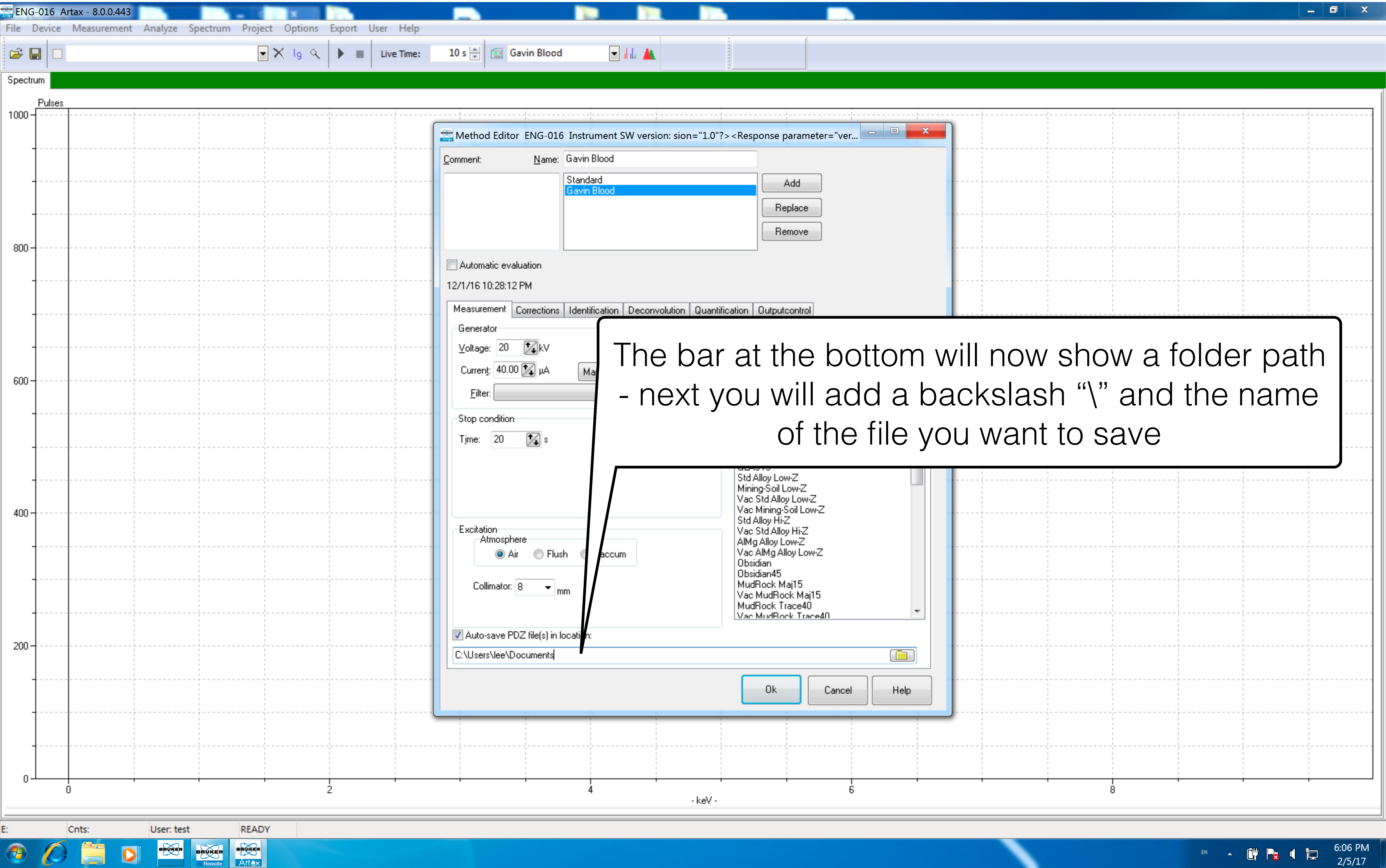
Artax Setup | Customizing Parameters



Artax Setup | Customizing Parameters

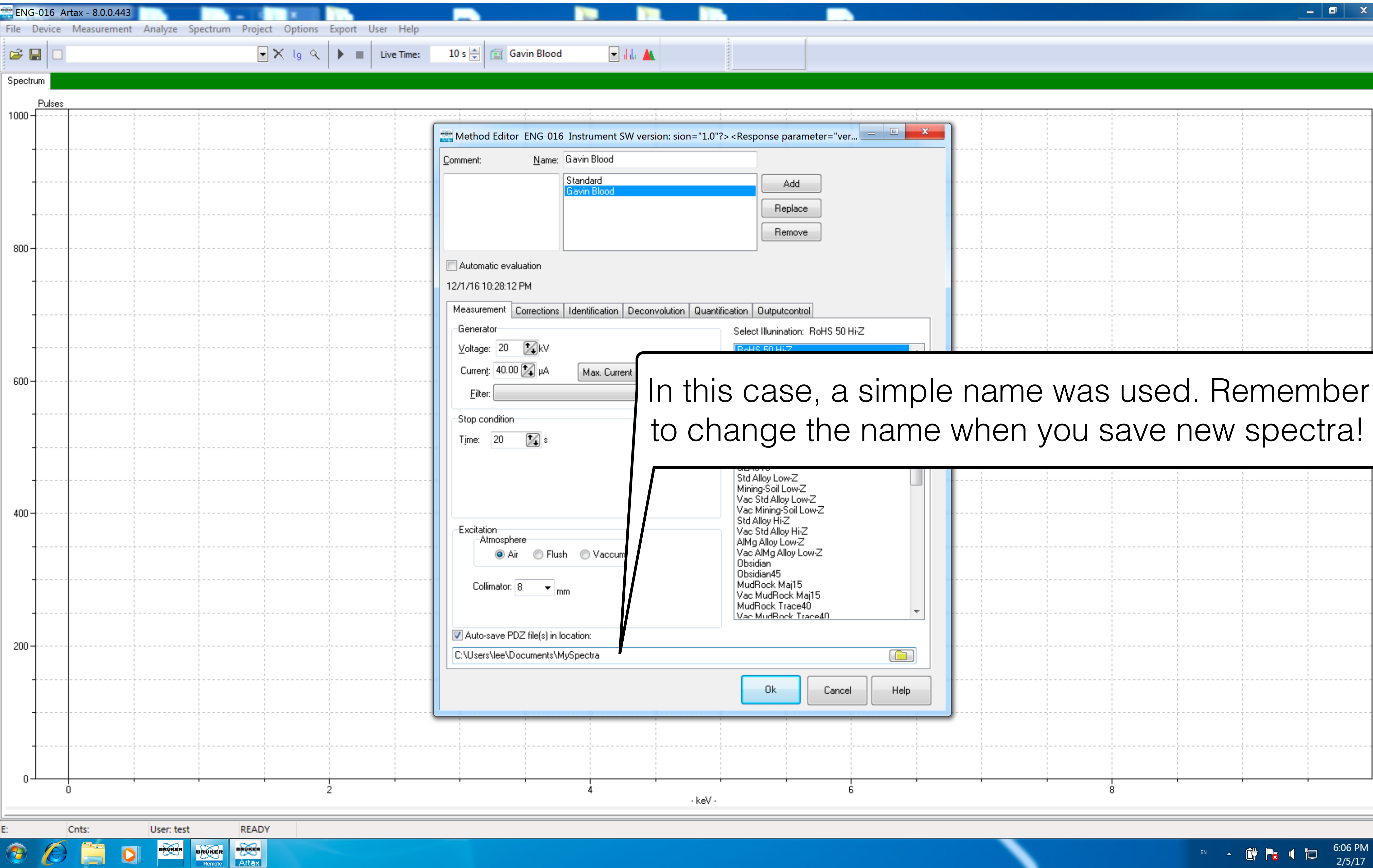


Artax Setup | Customizing Parameters



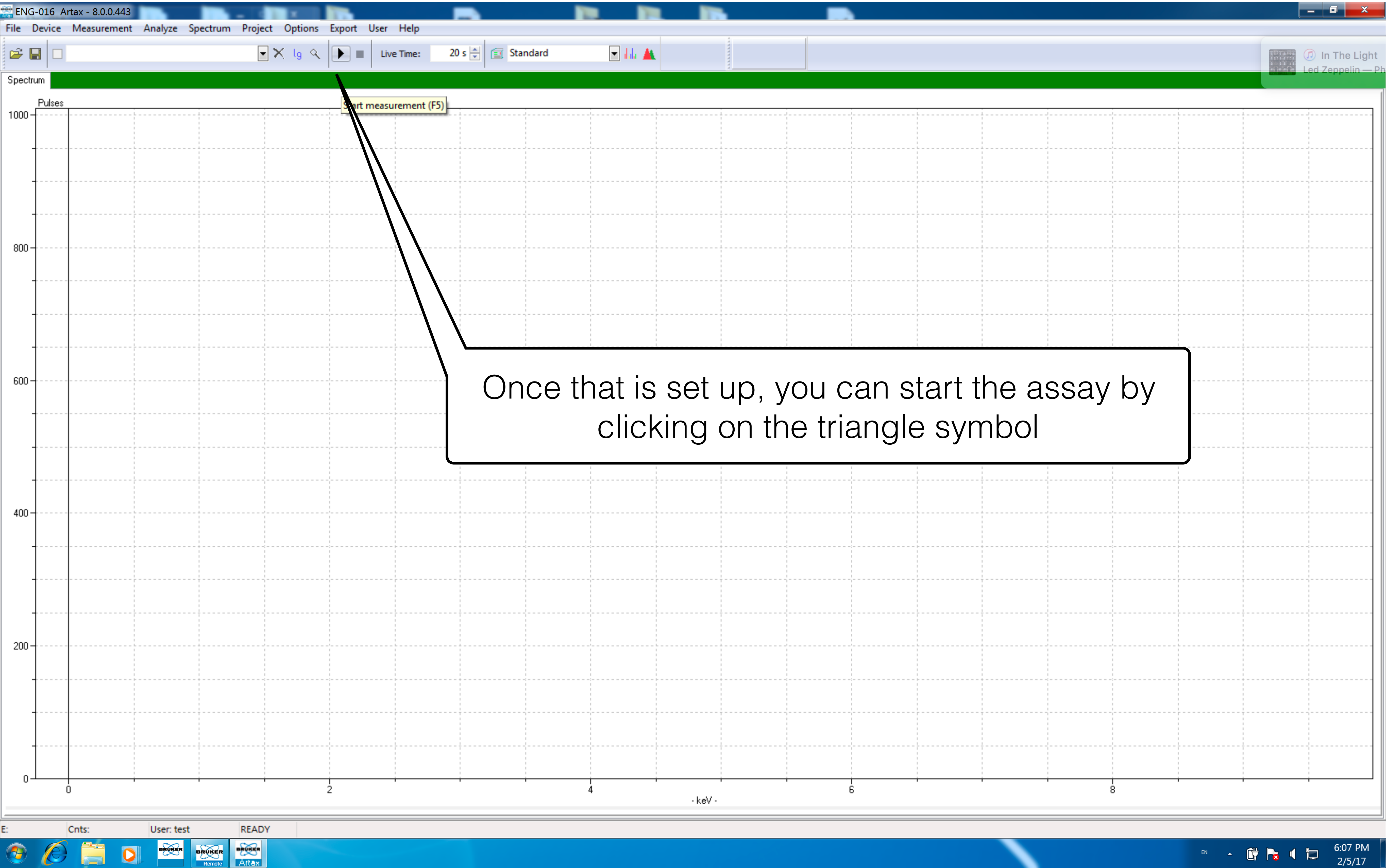
The bar at the bottom will now show a folder path - next you will add a backslash “\” and the name of the file you want to save

Artax Setup | Customizing Parameters



In this case, a simple name was used. Remember to change the name when you save new spectra!

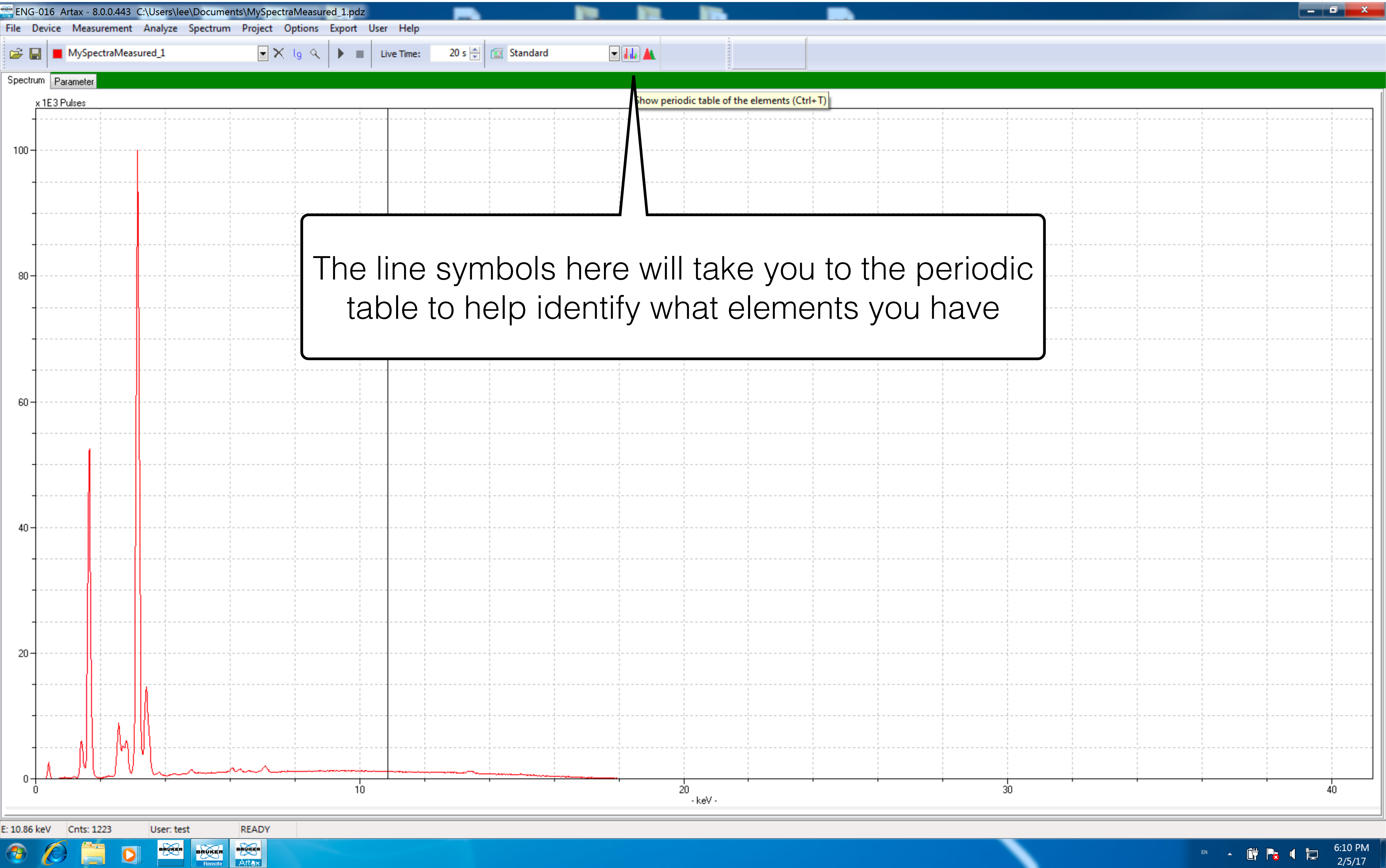
Artax Setup | Taking a Measurement



Once that is set up, you can start the assay by clicking on the triangle symbol

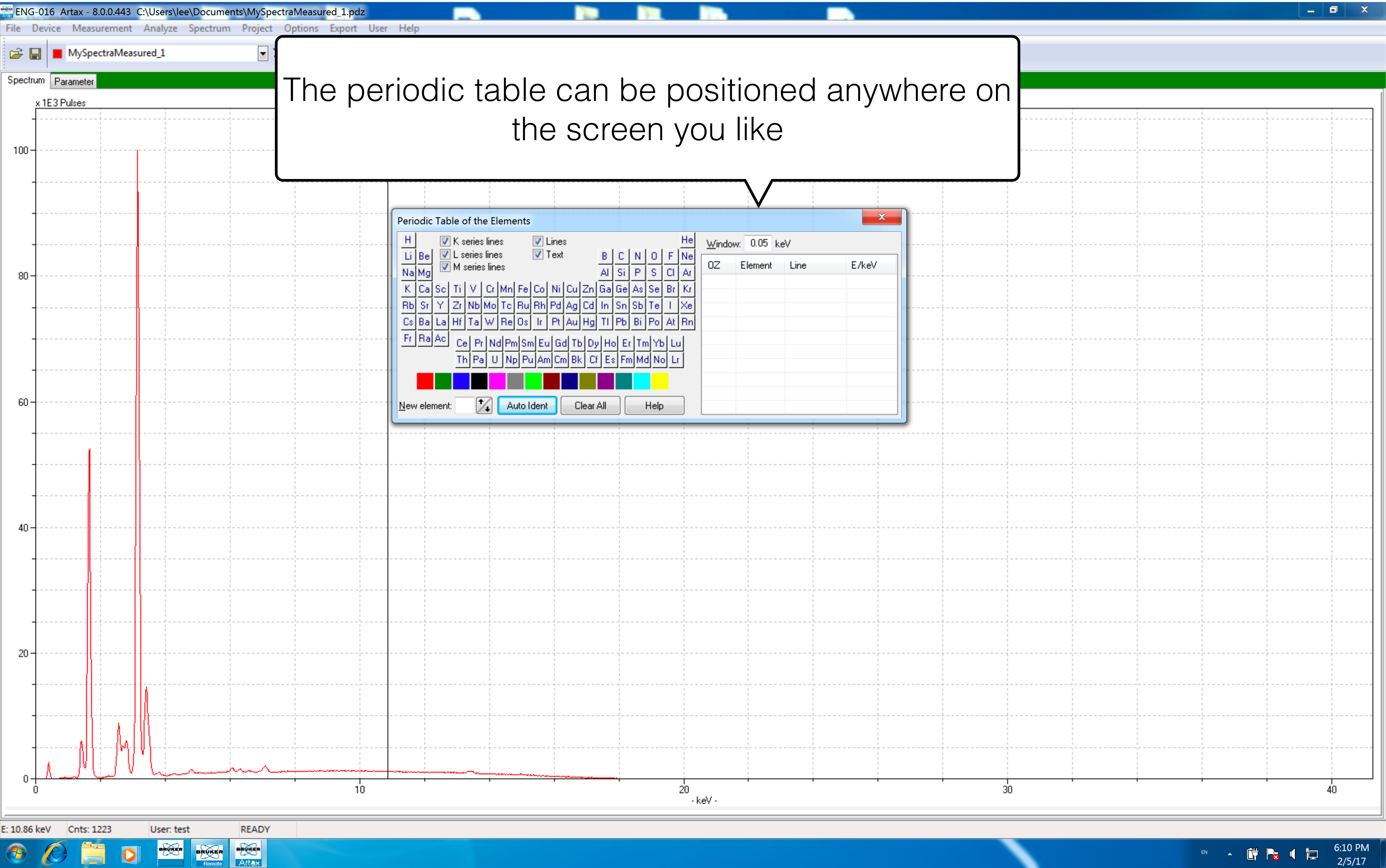
Artax Setup | Taking a Measurement

Artax Setup | Taking a Measurement



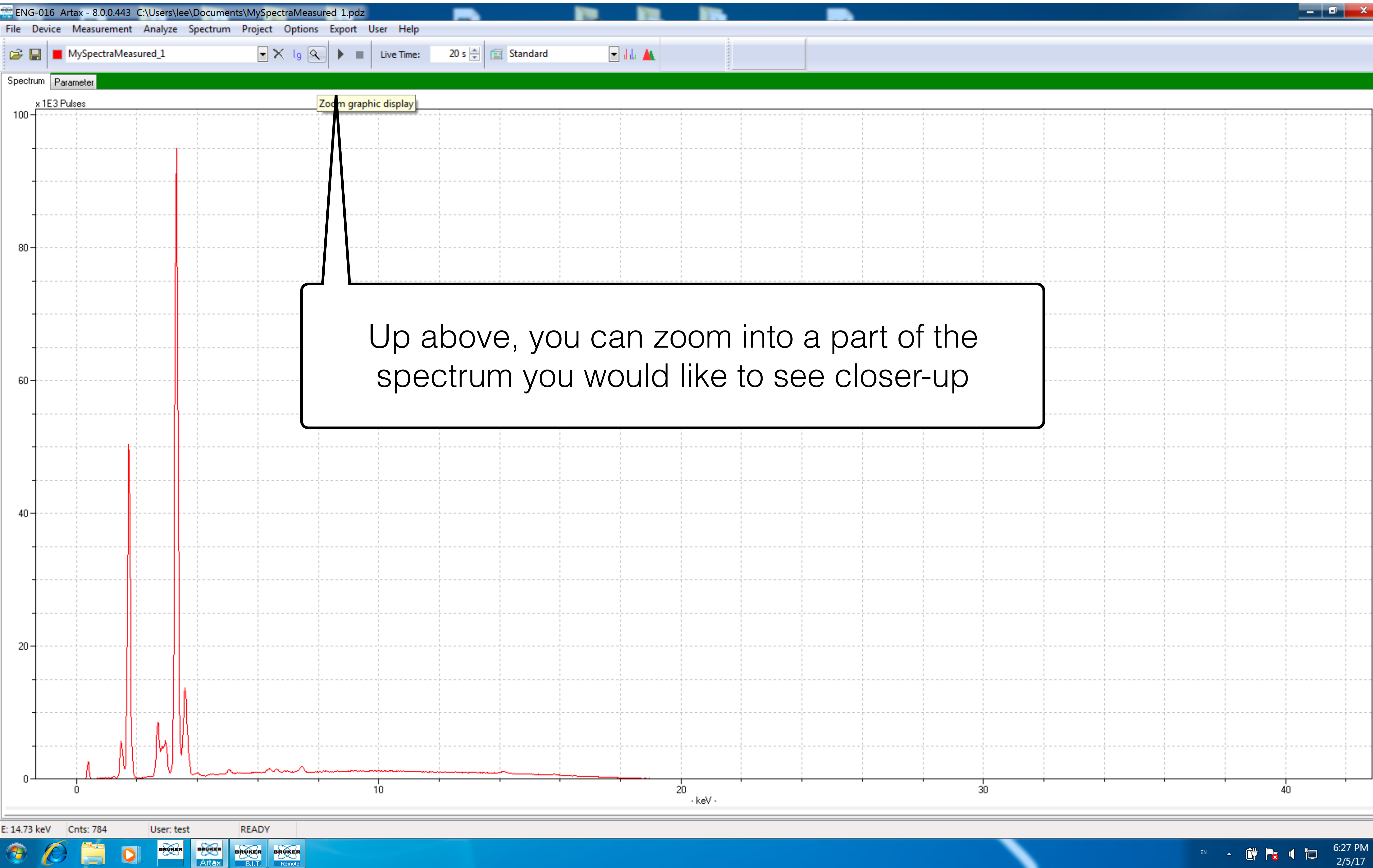
The line symbols here will take you to the periodic table to help identify what elements you have

Artax Setup | Taking a Measurement



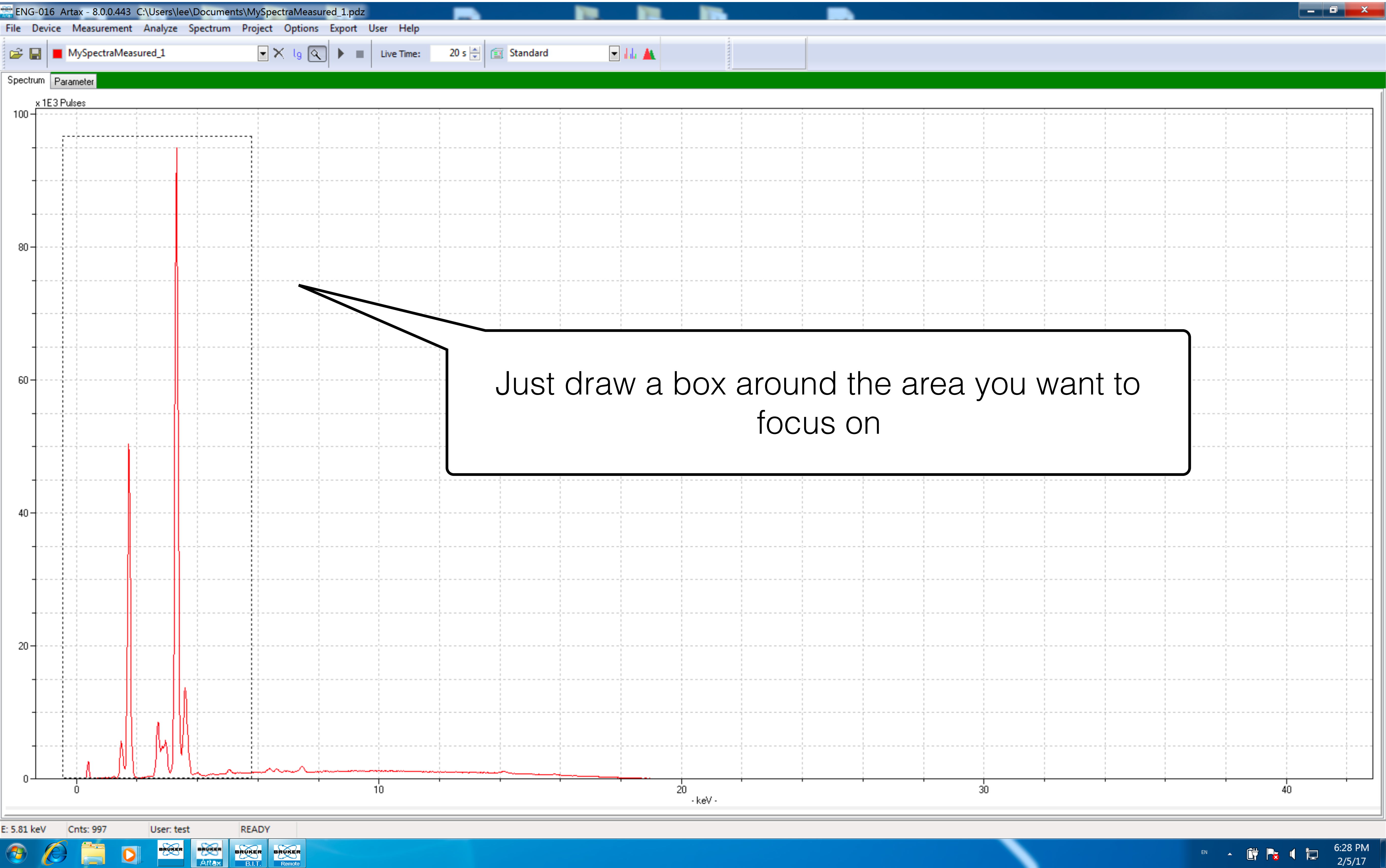
The periodic table can be positioned anywhere on the screen you like

Artax Setup | Examining a Spectrum

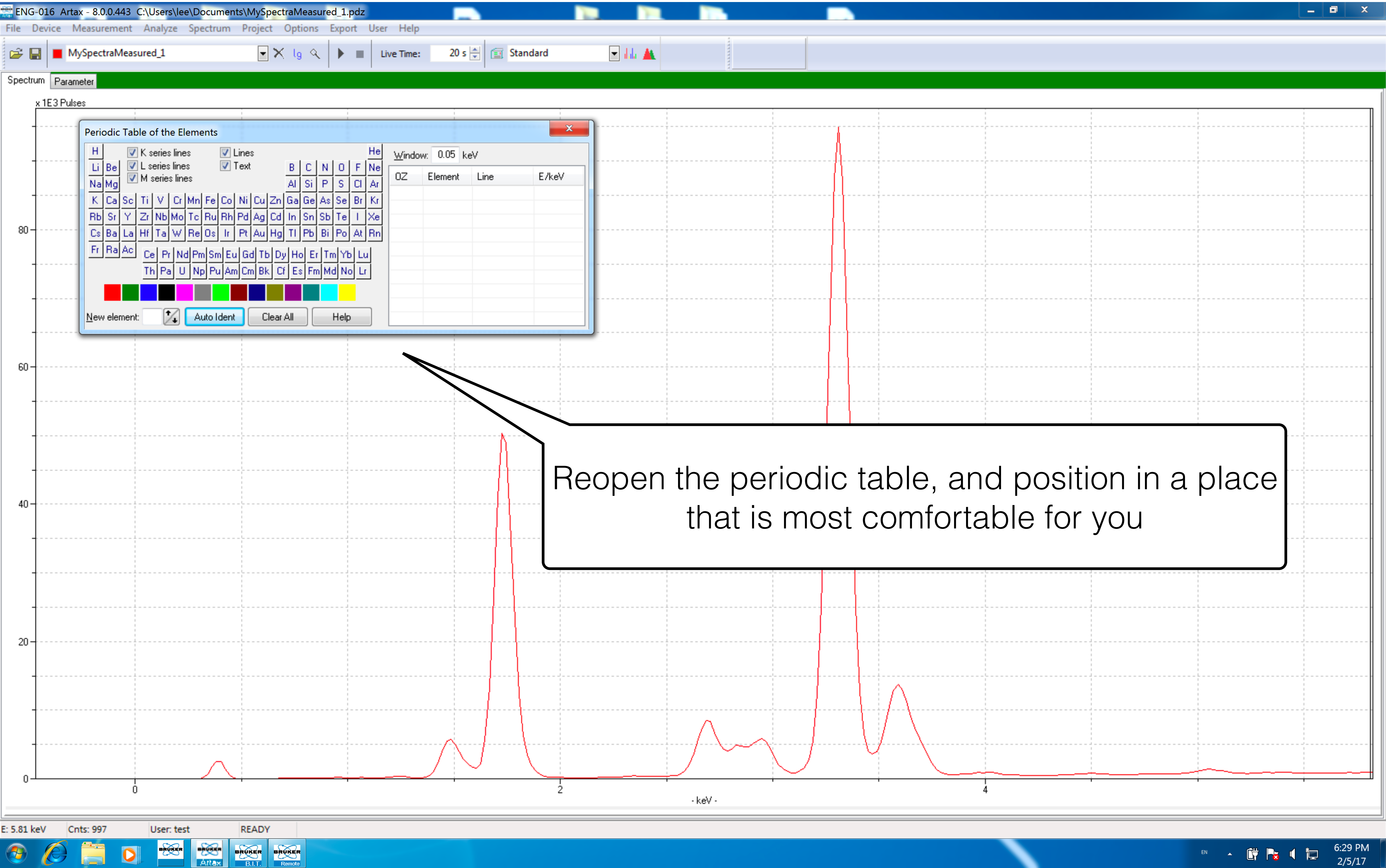


Up above, you can zoom into a part of the spectrum you would like to see closer-up

Artax Setup | Examining a Spectrum

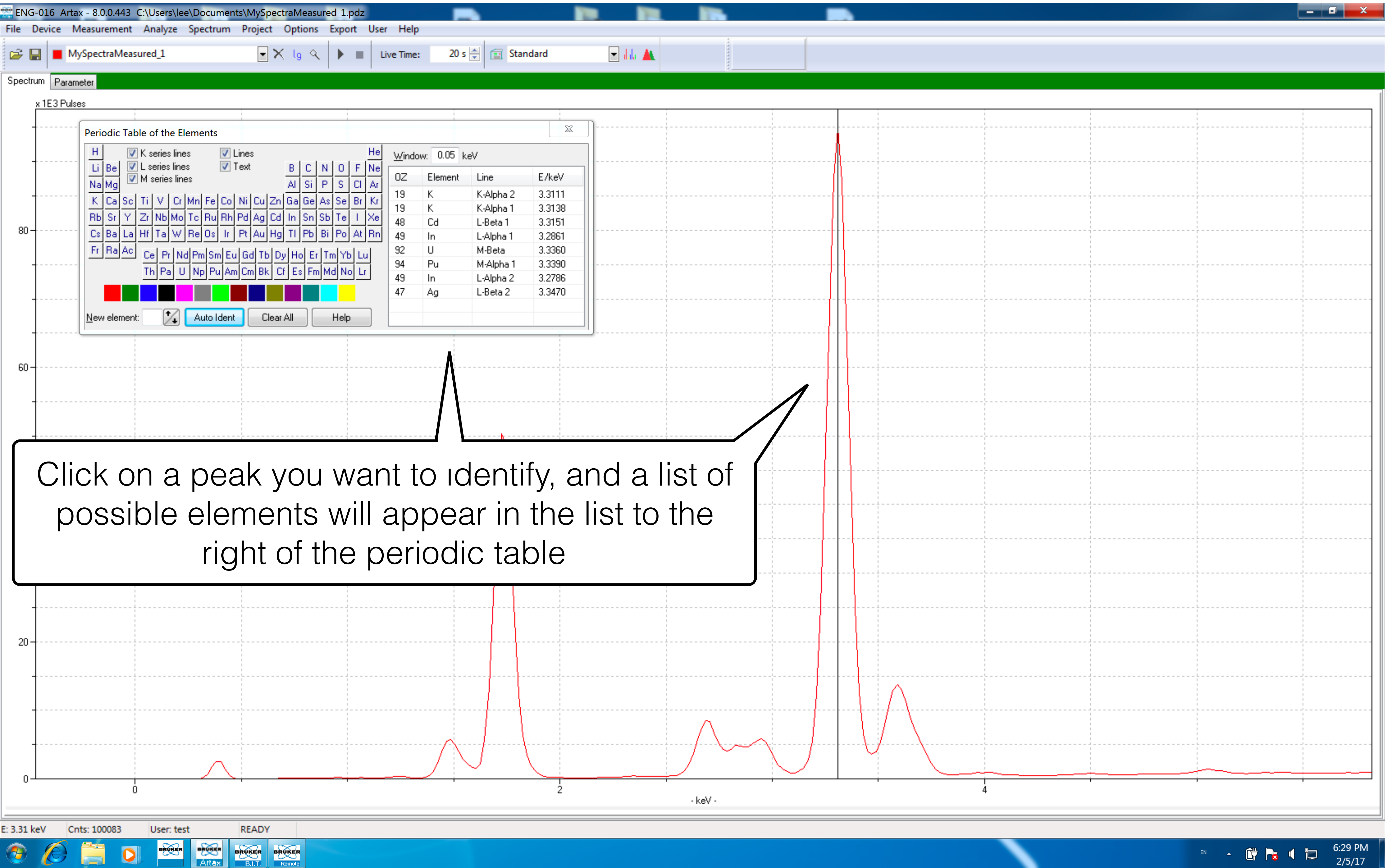


Artax Setup | Examining a Spectrum



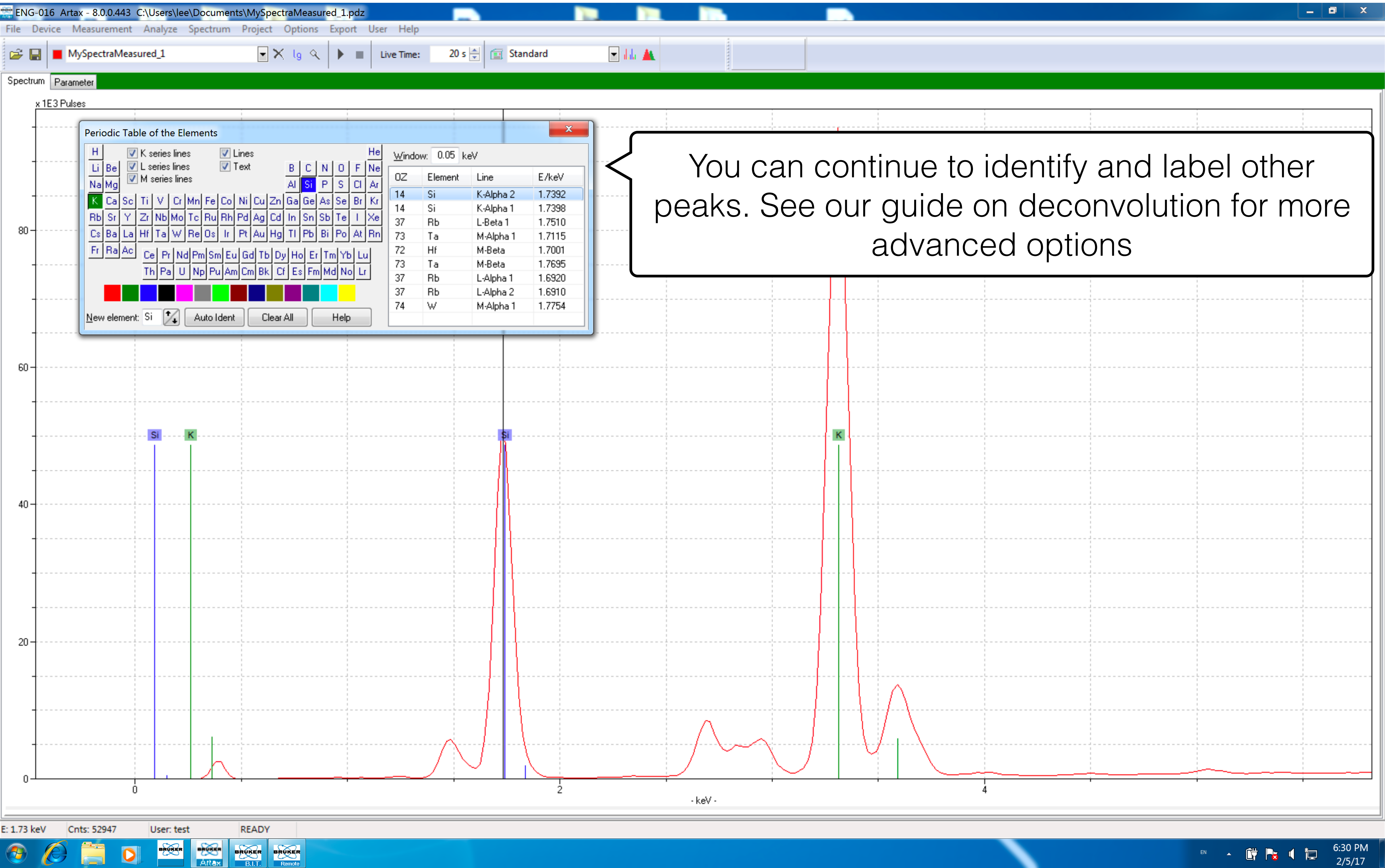
Reopen the periodic table, and position in a place that is most comfortable for you

Artax Setup | Examining a Spectrum



Click on a peak you want to identify, and a list of possible elements will appear in the list to the right of the periodic table

Artax Setup | Examining a Spectrum



You can continue to identify and label other peaks. See our guide on deconvolution for more advanced options