



**The Abdus Salam  
International Centre for Theoretical Physics**



**2332**

**School on Synchrotron and FEL Based Methods and their Multi-Disciplinary  
Applications**

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**Additional information lecture 2**

Charles S. Fadley  
*Univ. of California Davis & LBNL  
USA*

Download prior version of program-1.1:

[http://femto.iap.tuwien.ac.at/downloads/SESSAV1\\_1/](http://femto.iap.tuwien.ac.at/downloads/SESSAV1_1/)

Brief SESSA manual, by CSF:

<http://www.physics.ucdavis.edu/Classes/Physics243A/SESSA.BriefManual.pdf>

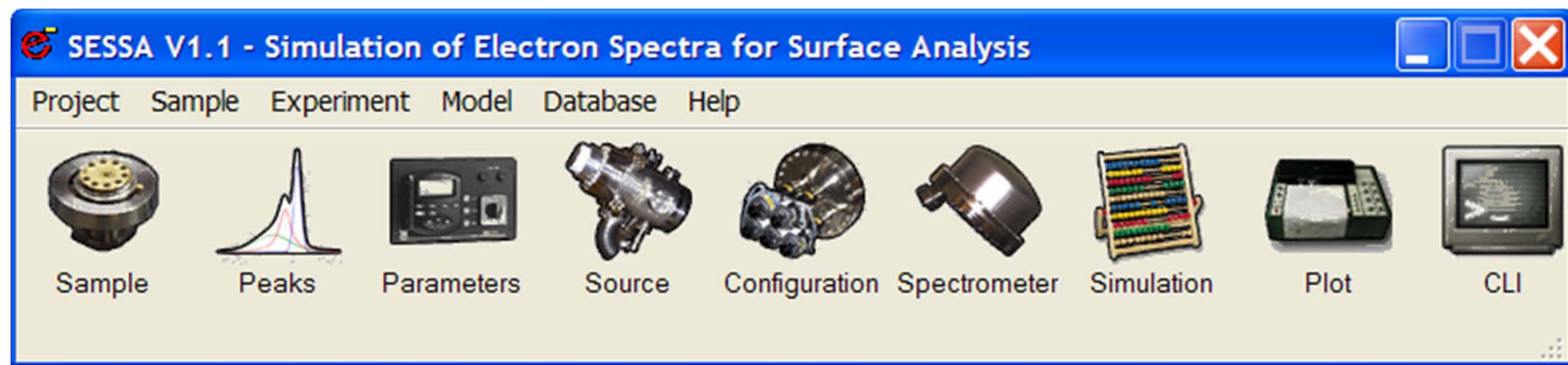
Or use the extensive manual downloadable with pgm.

Buy latest version of program-1.2, with variable polarization:

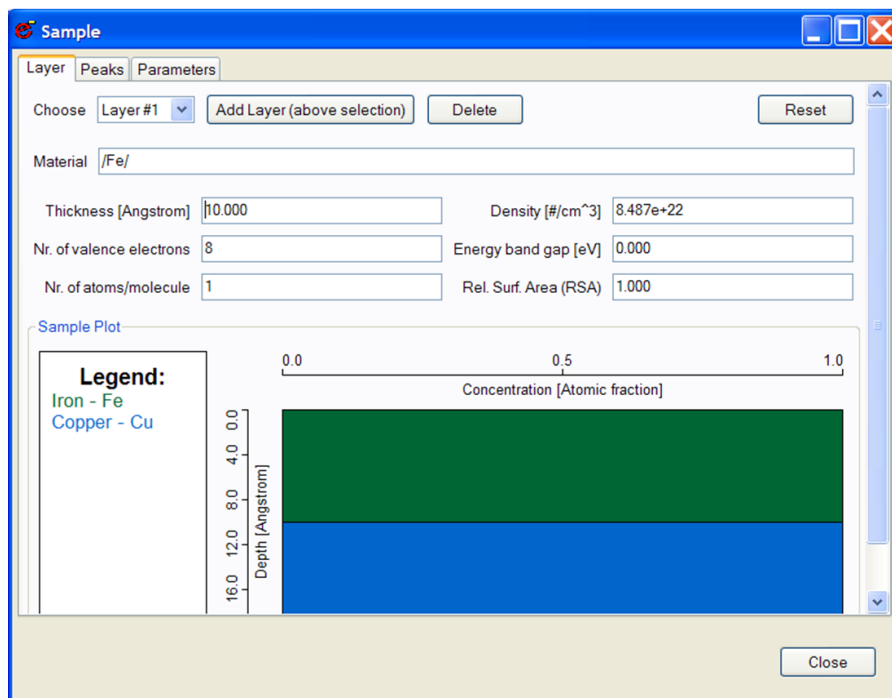
<http://nist.gov/data/nist100.htm>

Questions of the authors:

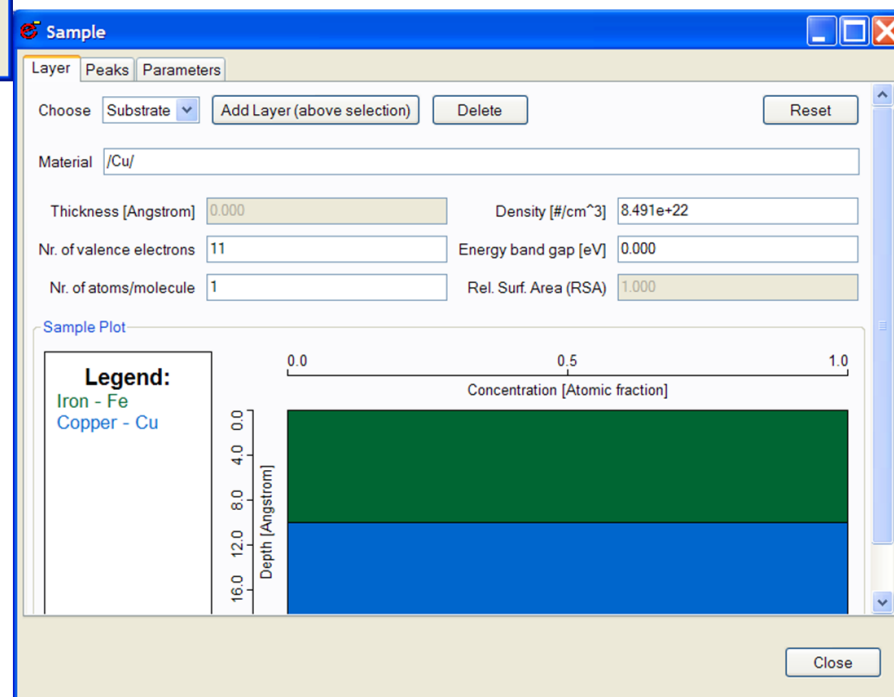
<http://eaps4.iap.tuwien.ac.at/~werner/sessa.html>

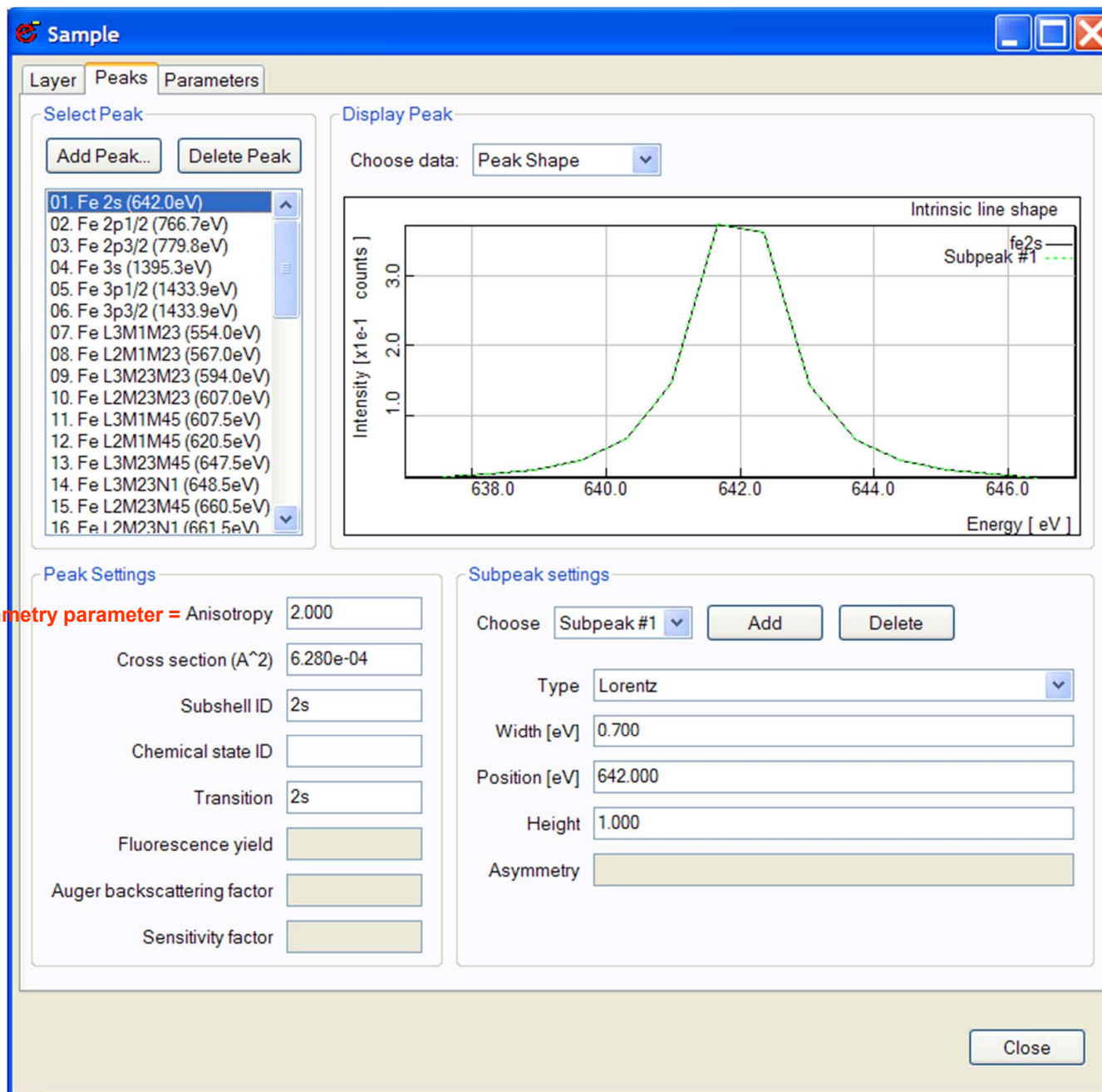


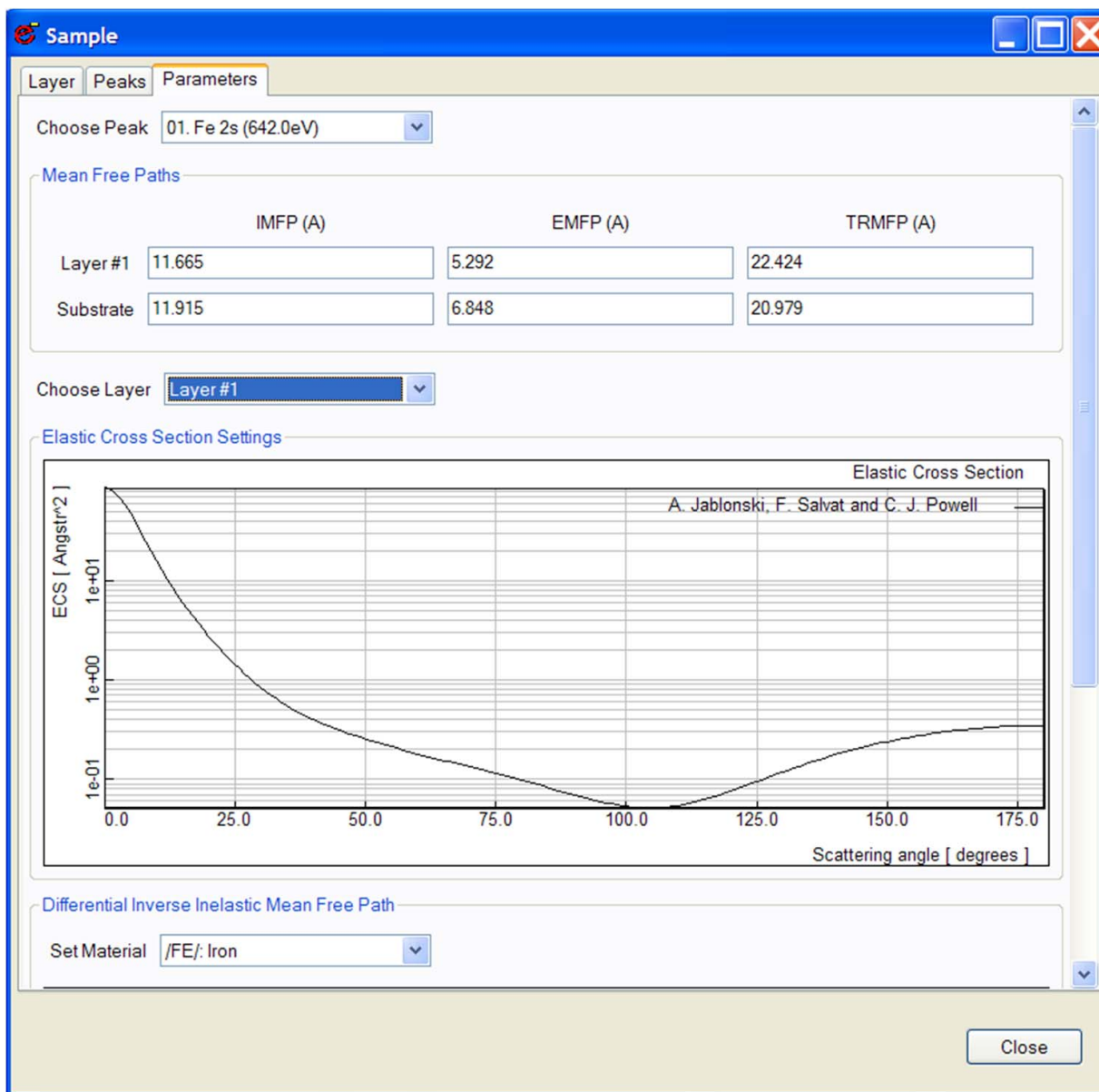
**SESSA—Model calculation for  
10 Å pure Fe on Cu**

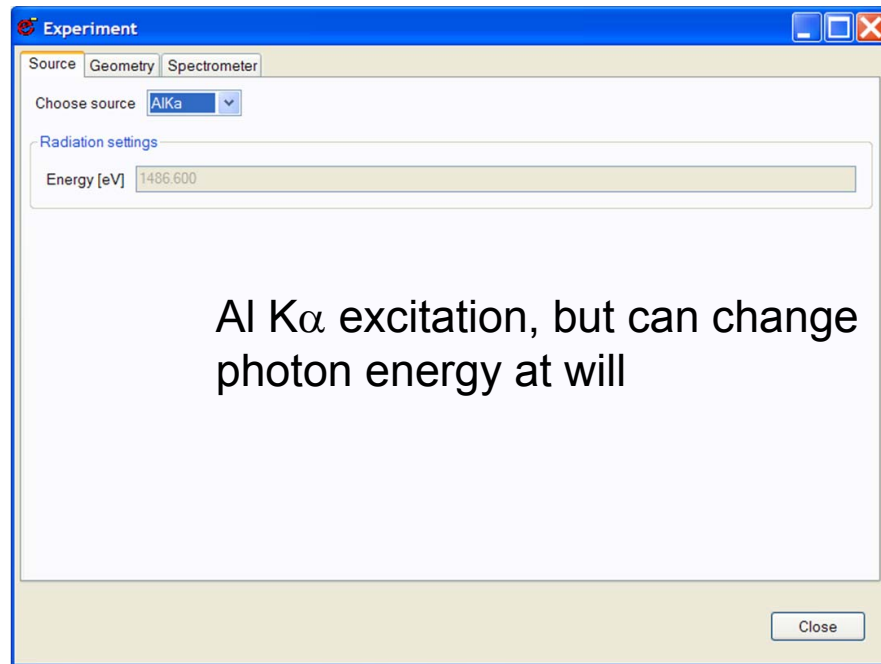


**SESSA—Model calculation for  
10 Å pure Fe on Cu**

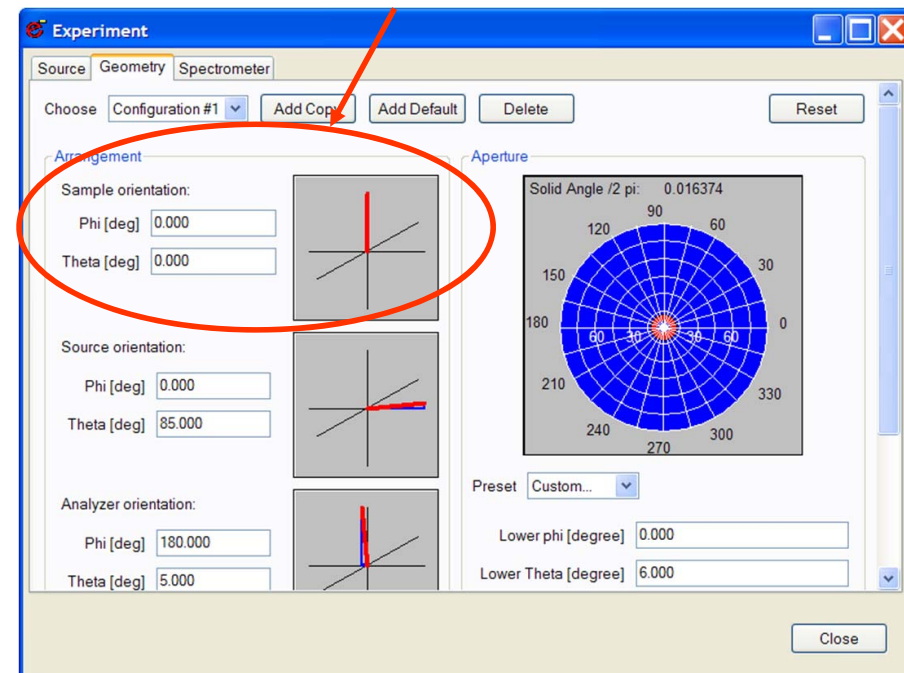








Leave this alone



Experiment

Source

Geometry

Spectrometer

Choose

Region #1


Add...

Delete

Reset

Region Settings

Energy range:

 Valid region bounds are between 5.0eV and 20000.0eV.  
If existing region bounds are modified, user changes to peak settings may be lost.

Lower bound [eV]100.000

Higher bound [eV]1500.000

Close



# Model Calculation

Choose Region #1

Reset

## Simulation Settings

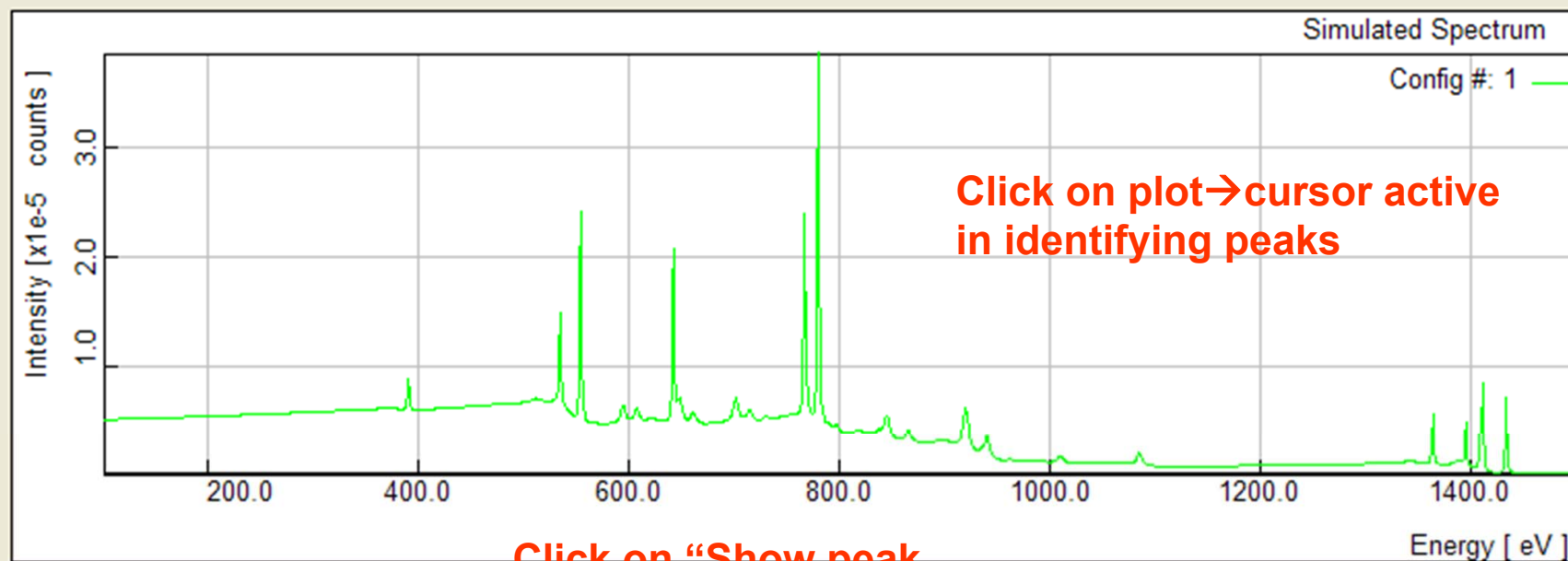
Convergence factor: 1.000e-02

Number of collisions: ☒ Auto 91

Approximation: ☐ Transport  
☐ Straight Line

Number of trajectories: ☒ Auto 110

## Simulation Plot



Click on “Show peak intensities to directly get numbers”

Start Simulation!

Show peak intensities...

Save peak intensities...

Close