

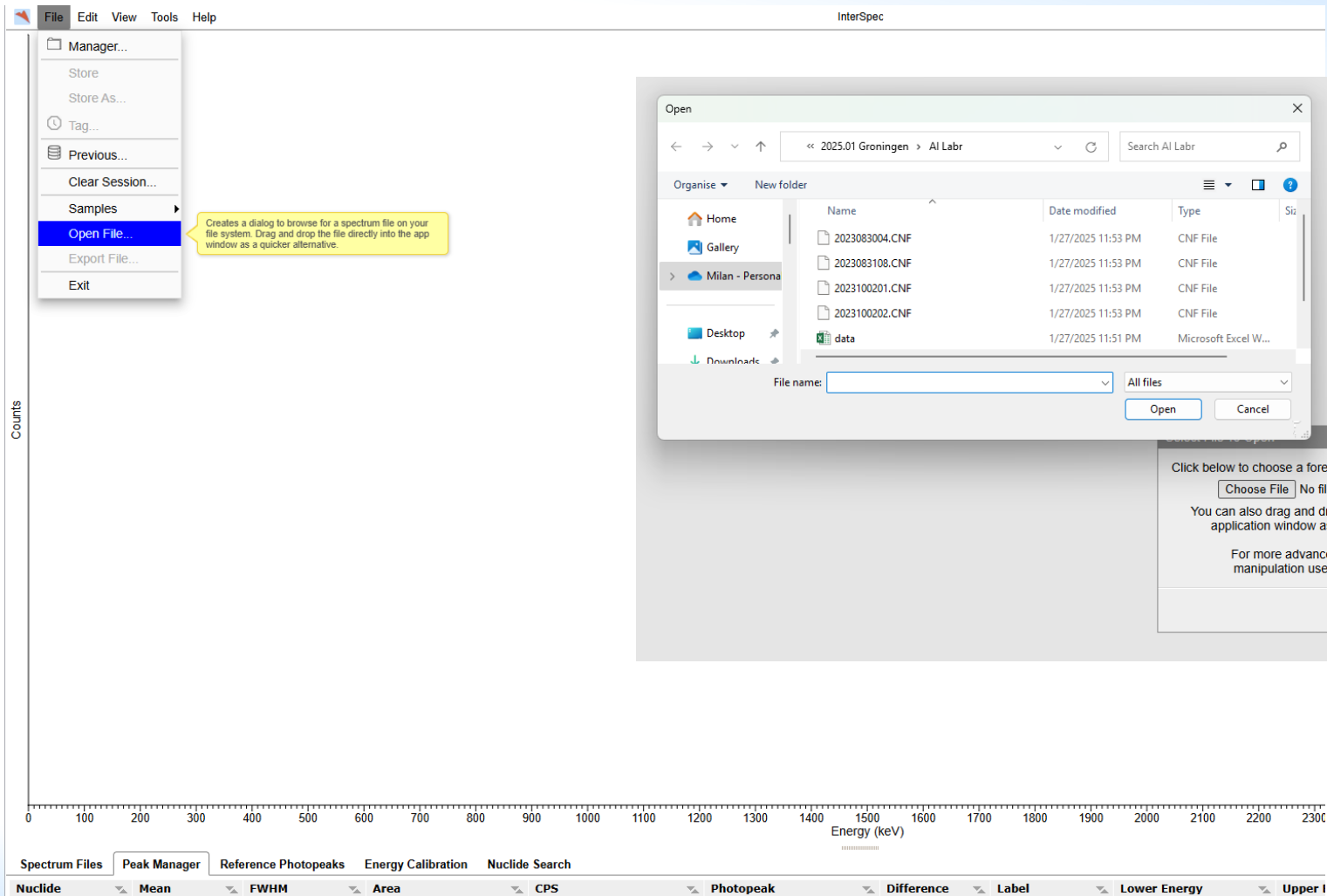
InterSpec

Super Short Exercise Introduction

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Open File – spectra from a gamma detector



The screenshot shows the InterSpec software interface. The 'File' menu is open, highlighting 'Open File...'. A yellow callout box explains: 'Creates a dialog to browse for a spectrum file on your file system. Drag and drop the file directly into the app window as a quicker alternative.' An 'Open' dialog box is displayed, showing a file list with columns for Name, Date modified, and Type. The file list includes several .CNF files and a Microsoft Excel file. Below the file list, there is a 'File name' field and a file type dropdown set to 'All files'. 'Open' and 'Cancel' buttons are at the bottom. A second dialog box is overlaid on the bottom right, titled 'Click below to choose a foreground spectrum file to open.' It contains a 'Choose File' button, a 'No file chosen' status, and instructions: 'You can also drag and drop the file directly into the application window as a quicker alternative. For more advanced file opening and manipulation use the **File Manager**'. A 'Cancel' button is at the bottom right of this dialog.

InterSpec

File Edit View Tools Help

Manager...
Store
Store As...
Tag...
Previous...
Clear Session...
Samples
Open File...
Export File...
Exit

Counts

Home
Gallery
Milan - Persona
Desktop
Downloads

Name	Date modified	Type
2023083004.CNF	1/27/2025 11:53 PM	CNF File
2023083108.CNF	1/27/2025 11:53 PM	CNF File
2023100201.CNF	1/27/2025 11:53 PM	CNF File
2023100202.CNF	1/27/2025 11:53 PM	CNF File
data	1/27/2025 11:51 PM	Microsoft Excel W...

File name: All files

Open Cancel

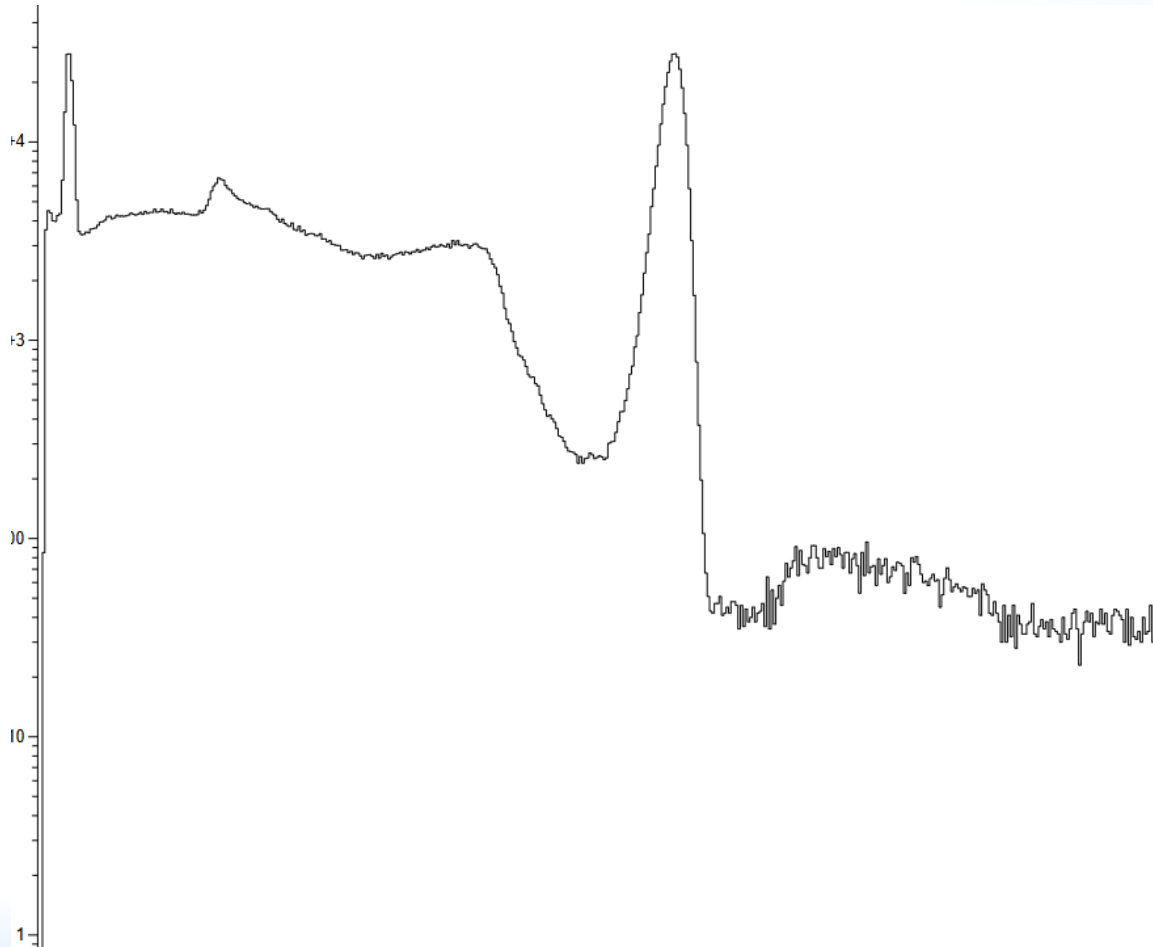
Click below to choose a foreground spectrum file to open.
Choose File No file chosen
You can also drag and drop the file directly into the application window as a quicker alternative.
For more advanced file opening and manipulation use the **File Manager**
Cancel

Energy (keV)

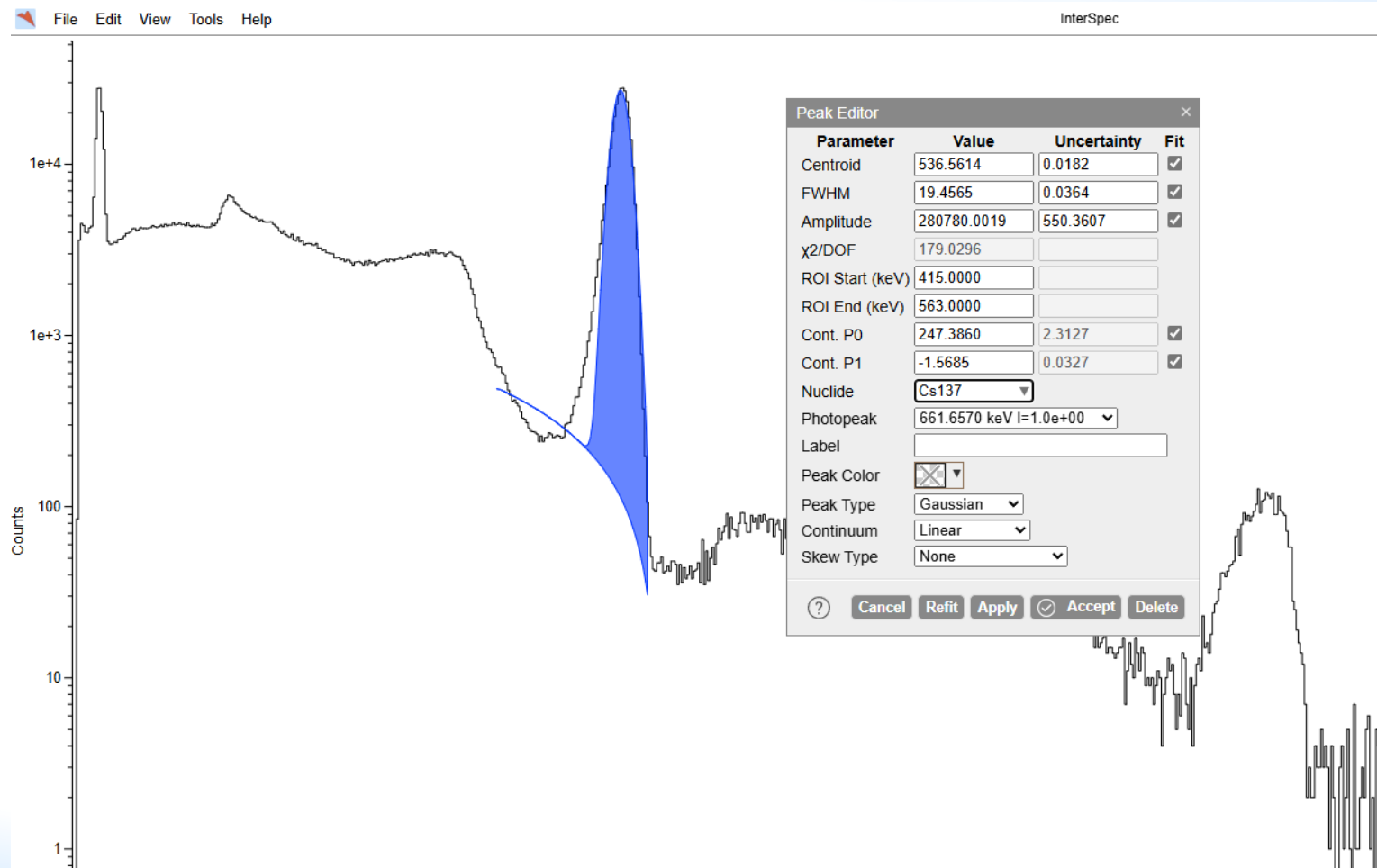
Spectrum Files Peak Manager Reference Photopeaks Energy Calibration Nuclide Search

Nuclide Mean FWHM Area CPS Photopeak Difference Label Lower Energy Upper I

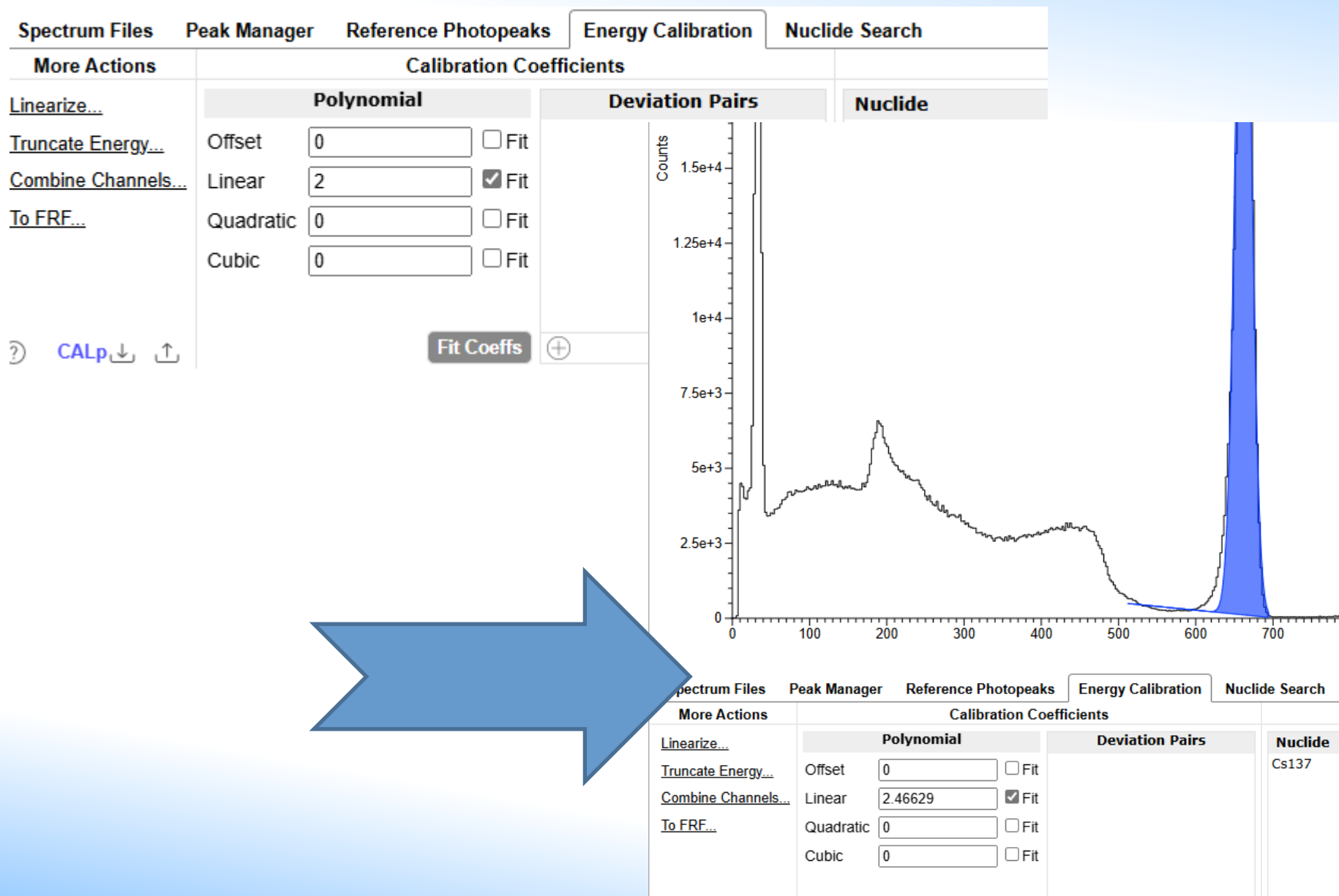
^{137}Cs spectrum

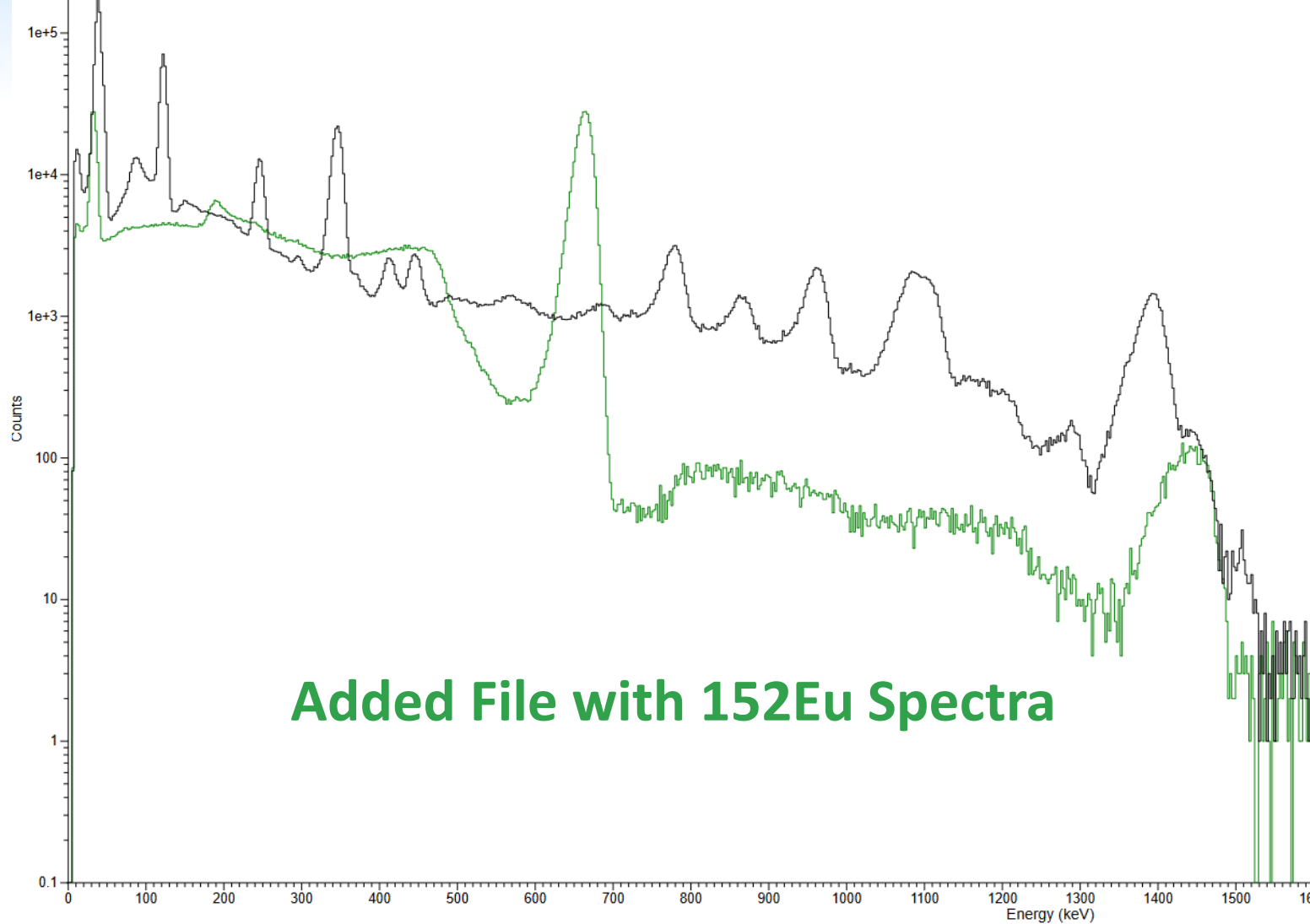


Peak Identified



Fast Energy Calibration





Spectrum Files		Peak Manager	Reference Photopeaks	Energy Calibration	Nuclide Search		
Nuclide	Mean	FWHM	Area	CPS	Photopeak	Difference	Label

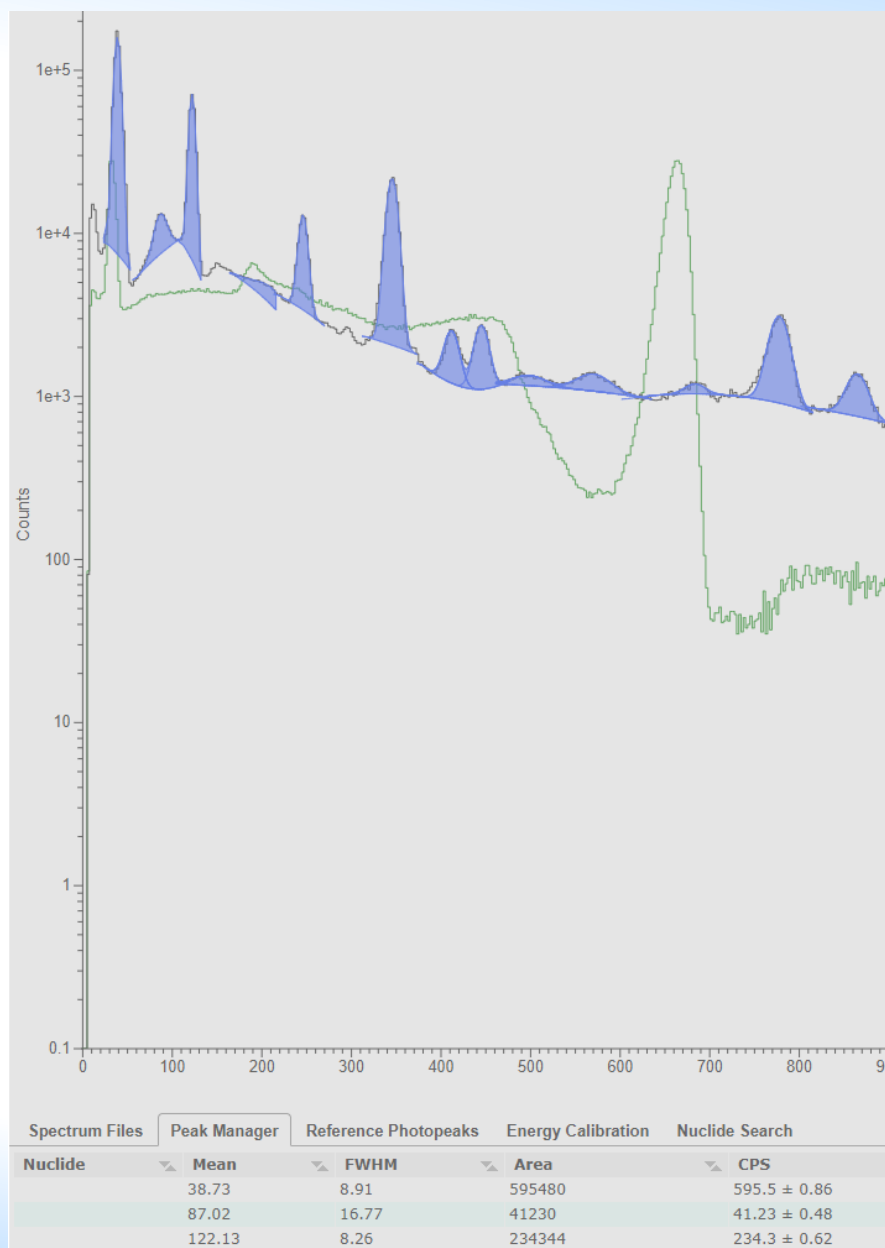
Search for Peaks

Search for Peaks



60 Years

Science and Development



Check Peak Search Results

Unselect any peaks you would not like to keep.

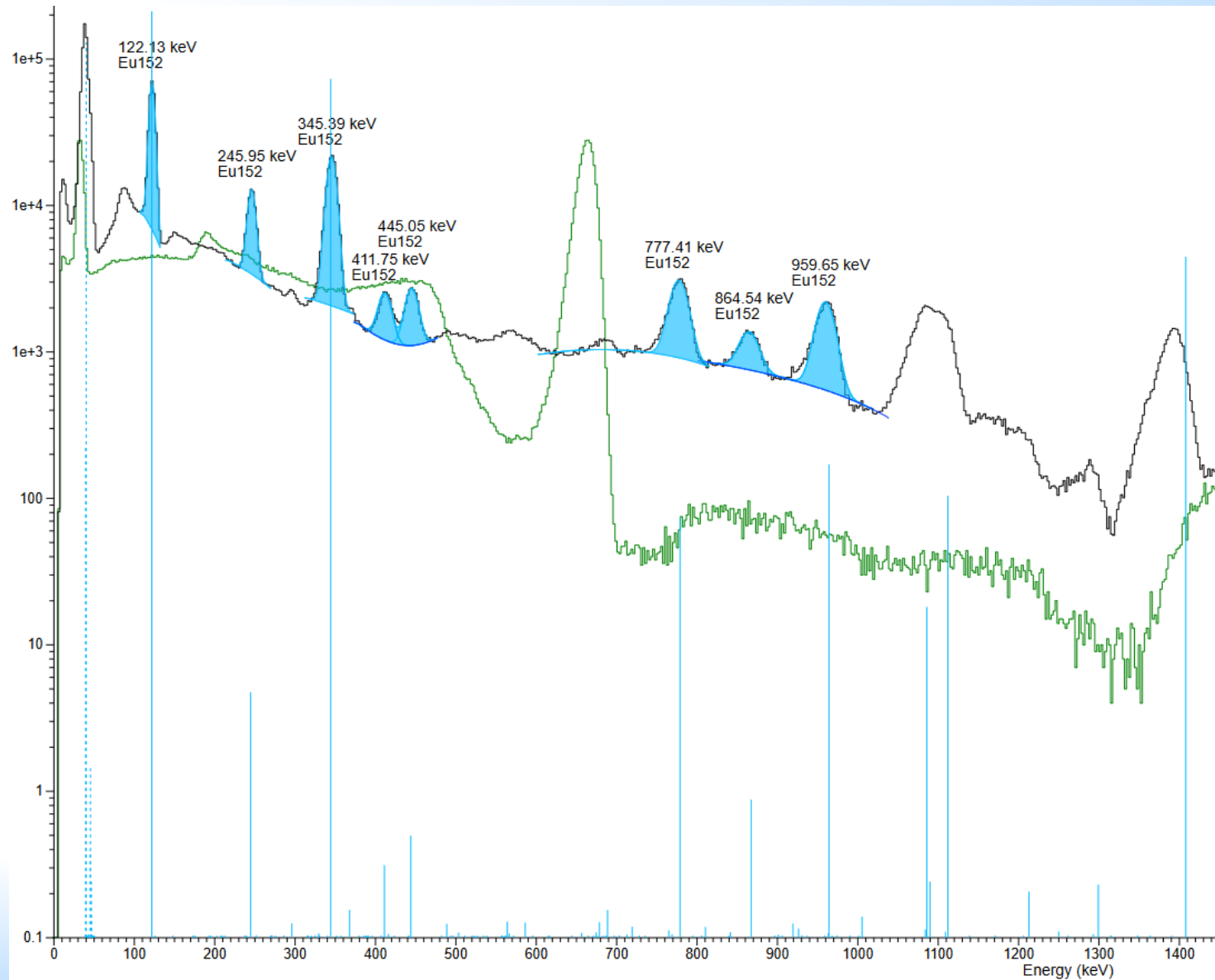
Keep Peak?	Energy, FWHM	Peak Preview
☒ Keep Peak	mean=38.7 keV FWHM=8.9 keV	
☒ Keep Peak	mean=87.0 keV FWHM=16.8 keV	
☒ Keep Peak	mean=122.1 keV FWHM=8.3 keV	
☒ Keep Peak	mean=209.6 keV FWHM=45.4 keV	
☒ Keep Peak	mean=245.9 keV FWHM=11.6 keV	
☒ Keep Peak	mean=345.4 keV FWHM=15.0 keV	

Cancel Accept

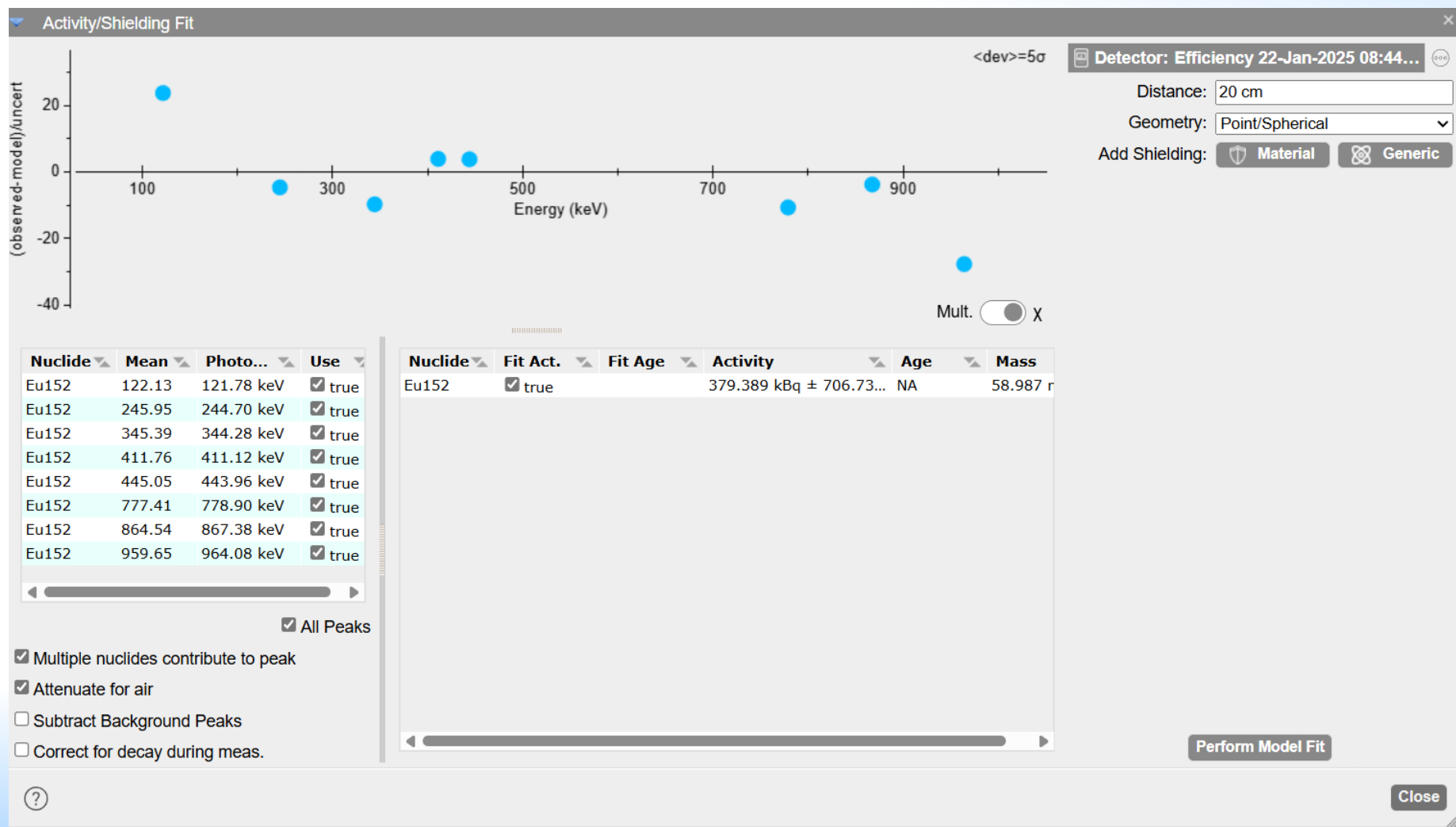
Peaks Identified



IAEA 60 Years
Atoms for Peace and Development



Calculation of the Activity



InterSpec:

<https://sandialabs.github.io/InterSpec/>

Thank you for your attention