



- After further discussion with Andreas on Ba true peak energies and their errors, I'll take the true energies from Schopper as they are measured and more reliable
- At least for now, the errors will be 0.2 keV but we should discuss more on the justification of this number
- For systematic errors on the true peak positions, I'll use:
 - For Eu & Tl peaks, gnp, gwl and gerda fits
 - For Ba peaks, gwl, gerda, vwl and voigt (gerda type fit with gaussian peak replaced with voigt peak)

Fit of peaks with residuals, Ba-136 3925.2 keV peak

Ba136 Energy Spectrum (Det #2)

06/21/2023

Ba136 Energy Spectrum (Det #2)



Residuals for right tails are better with Voigt compared to gaussian peak function

Fit of peaks with residuals, Ba-136 3991.1 keV peak

Ba136 Energy Spectrum (Det #2)

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Residuals for right tails are better with Voigt compared to gaussian peak function

Fit of peaks with residuals, TI-208 2614.51 keV peak

Ba136 Energy Spectrum (Det #2)

Ba136 Energy Spectrum (Det #2)



Residuals for right tails are only slightly better with Voigt compared to gaussian peak function

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