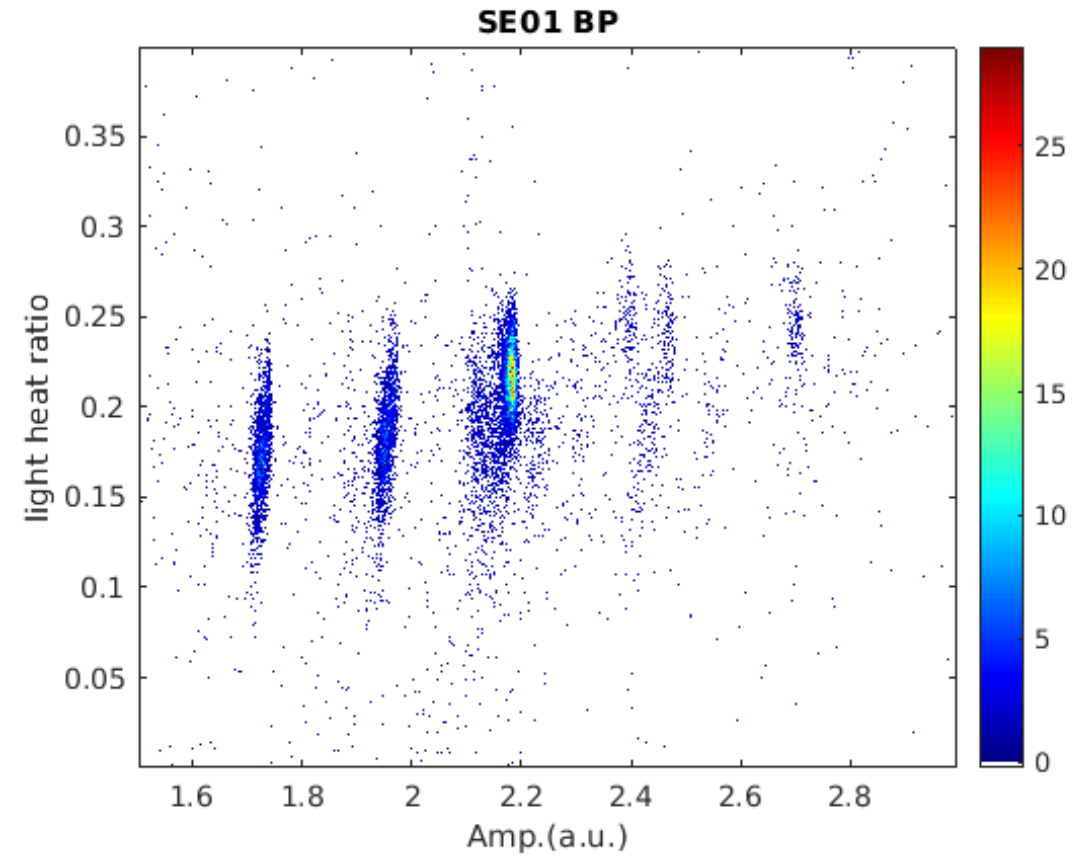
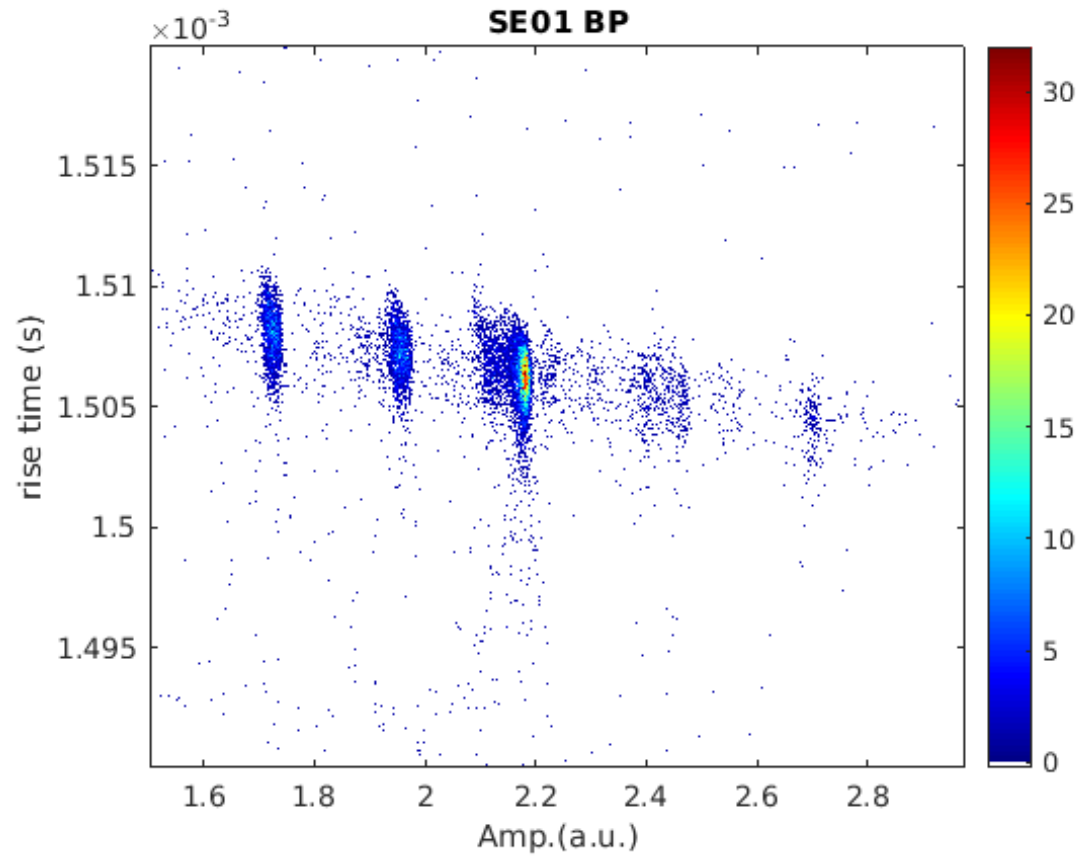


Weekly Report

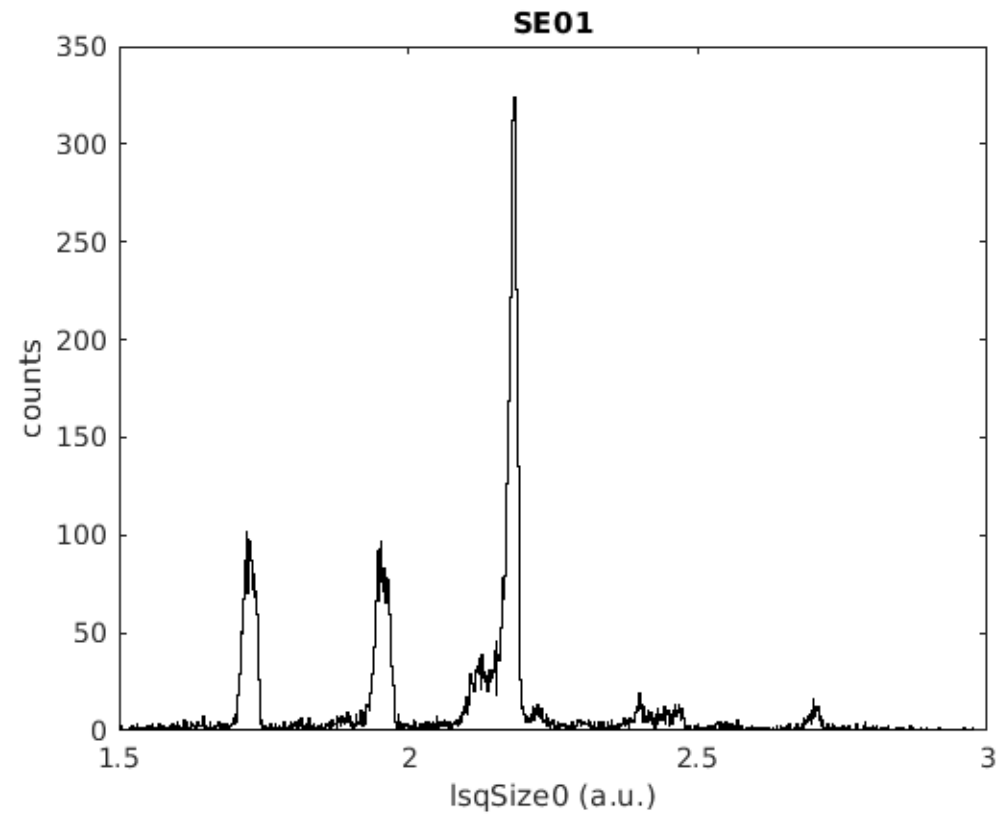
2019-03-11

Kim, Hanbeom

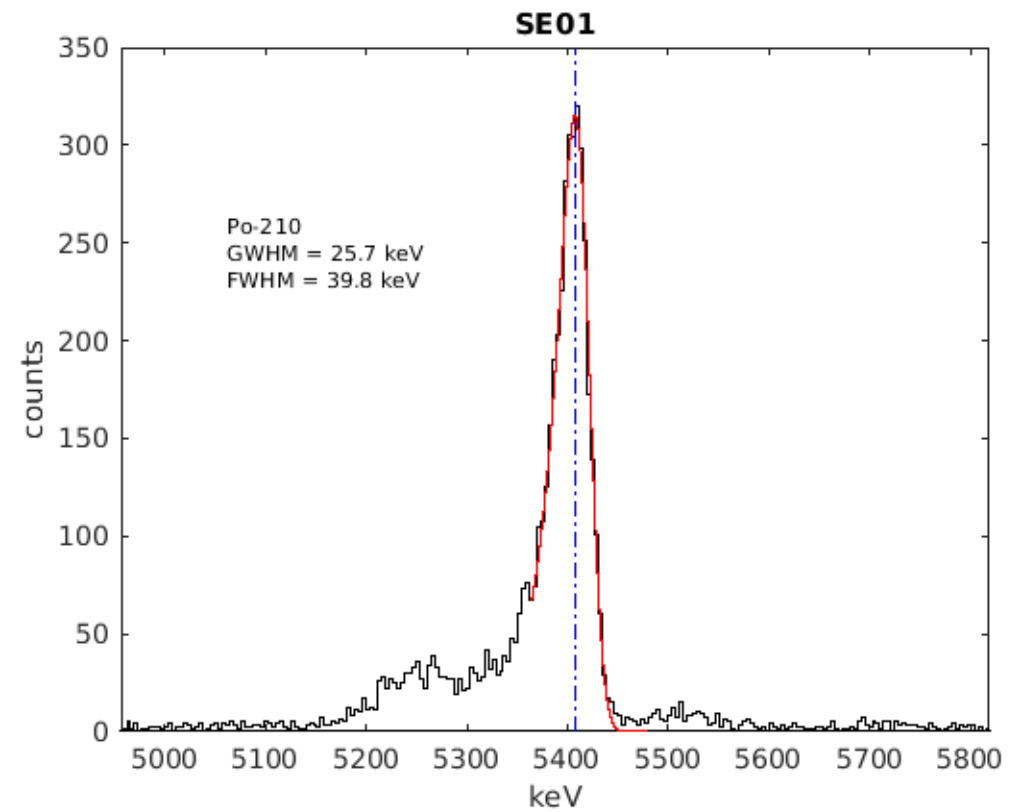
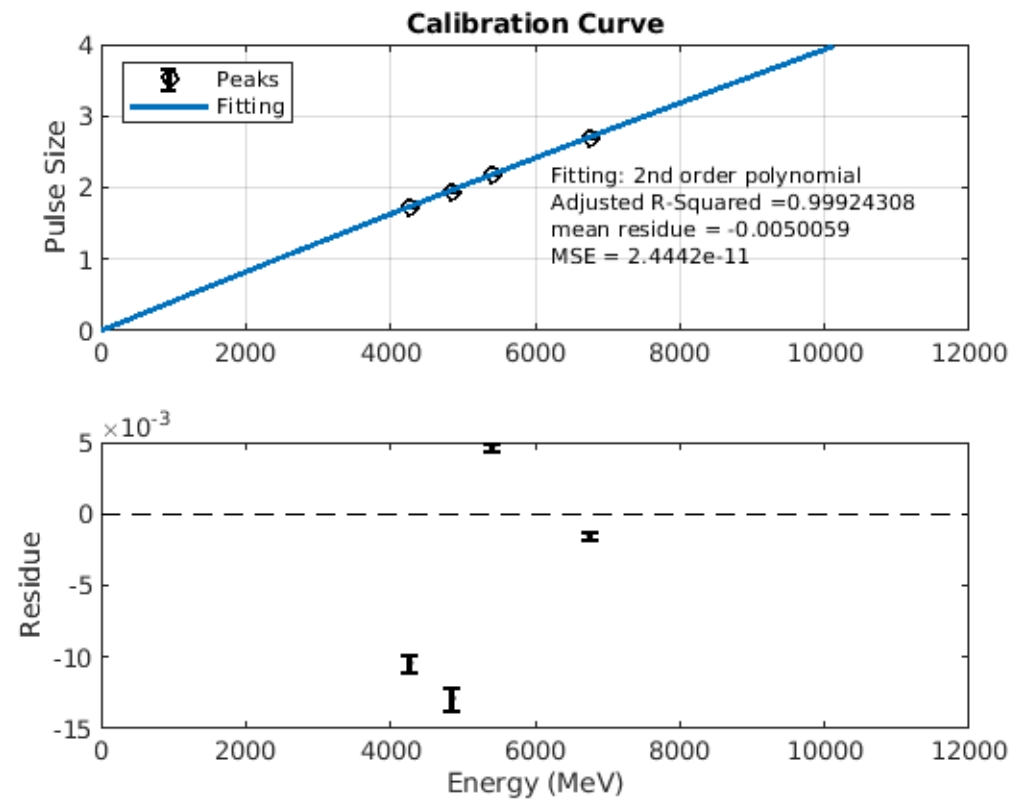
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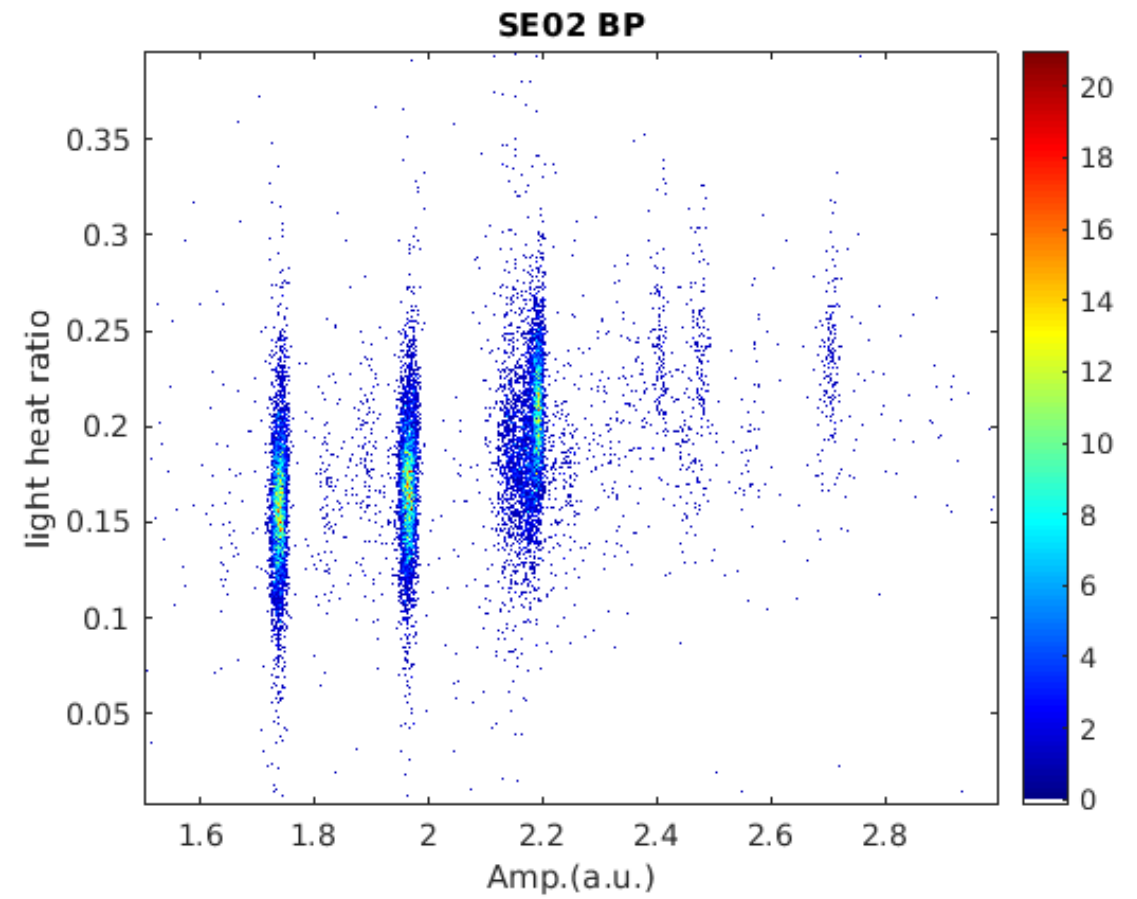
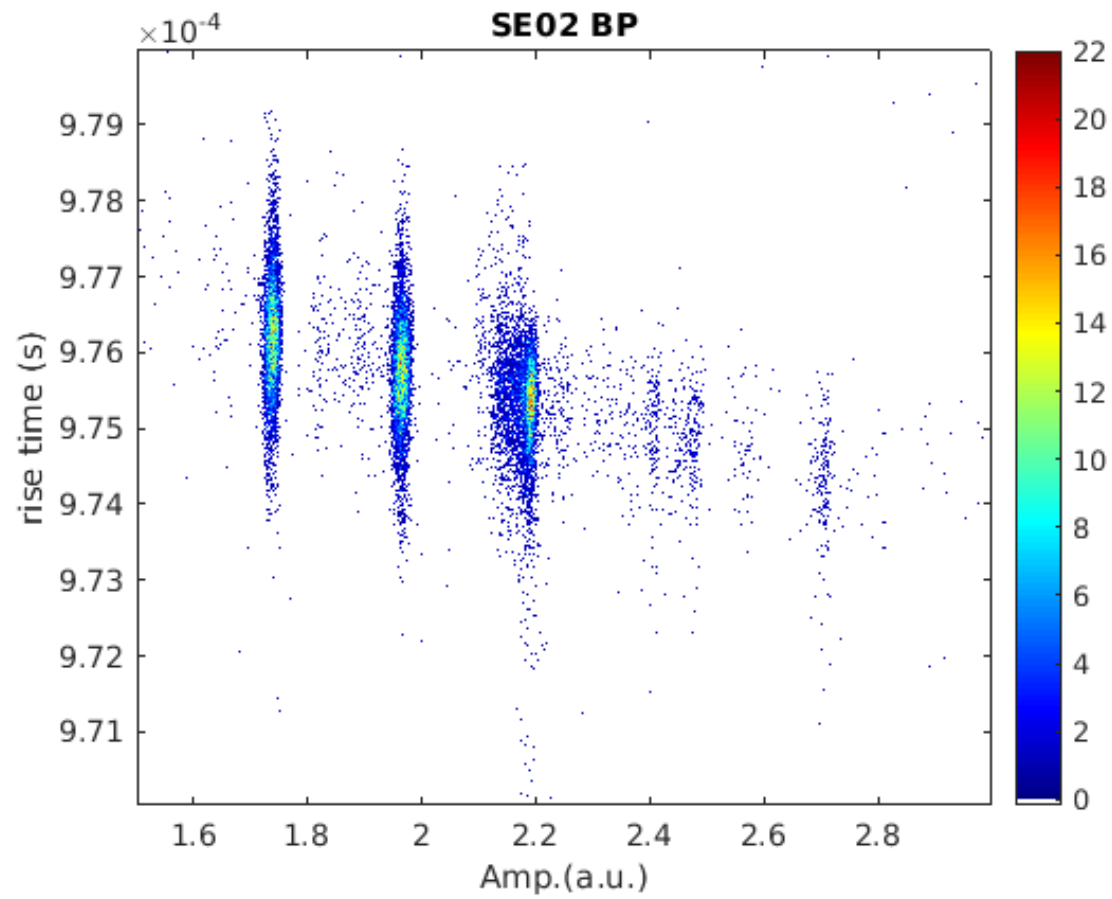
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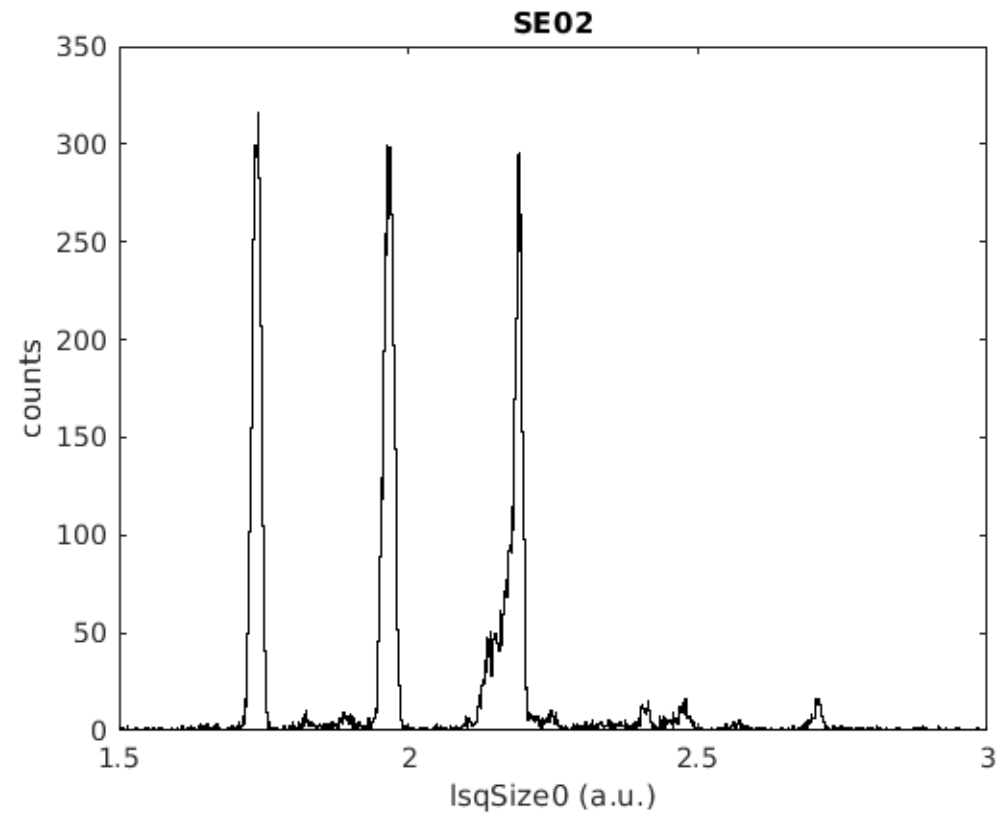
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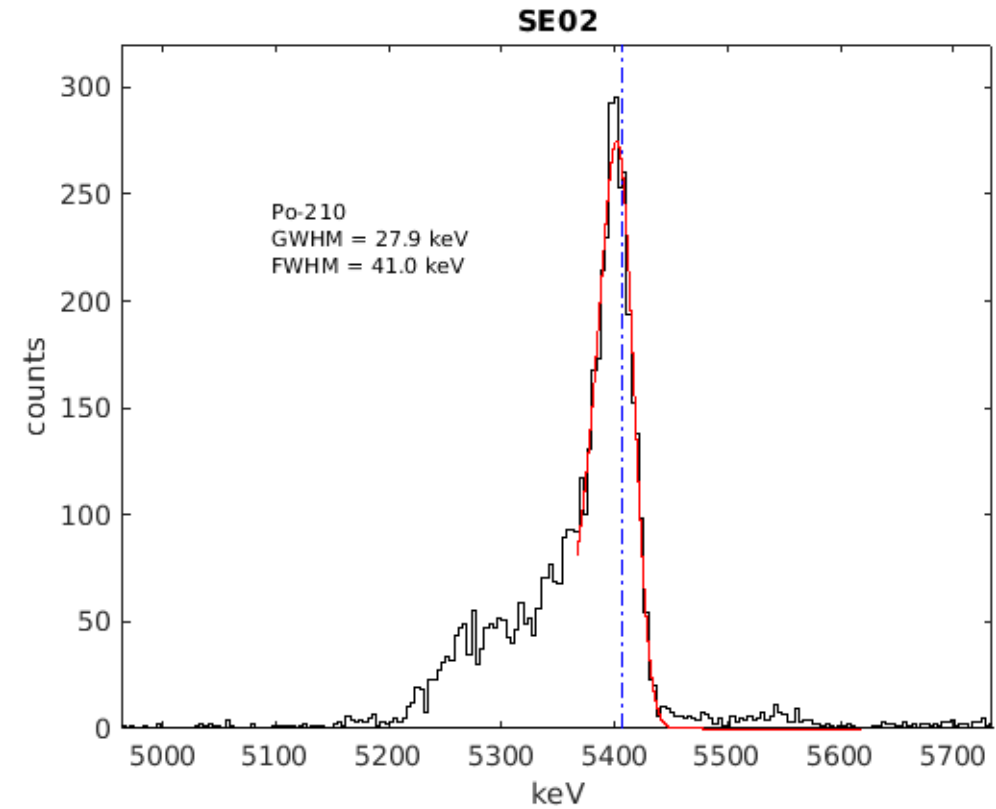
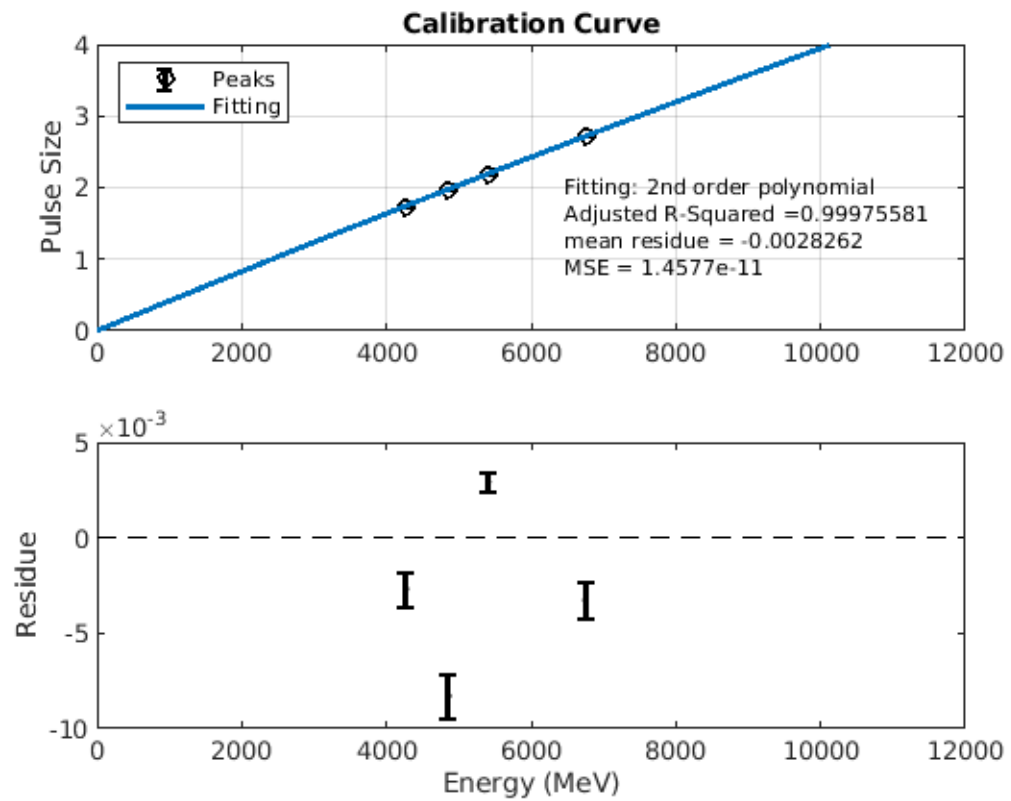
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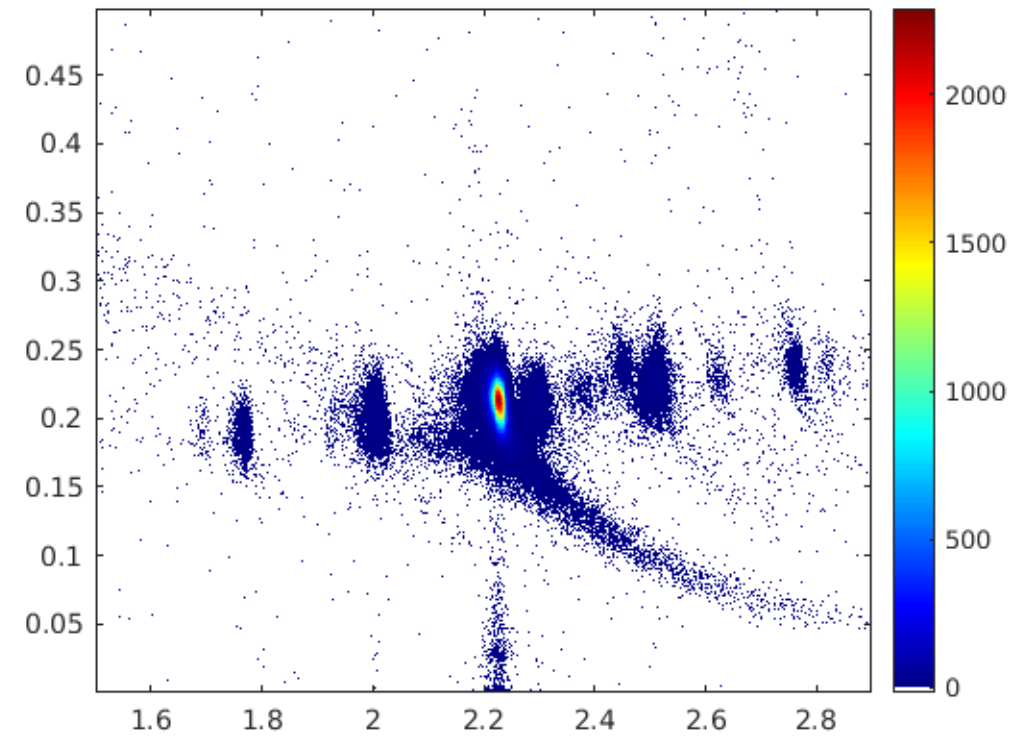
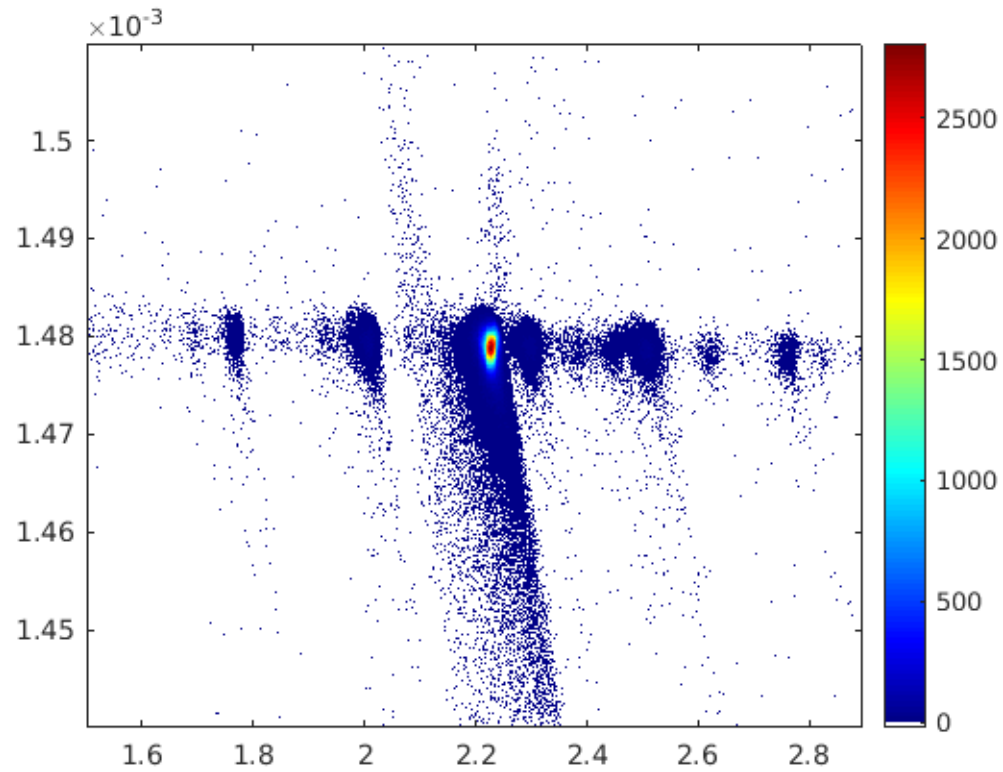
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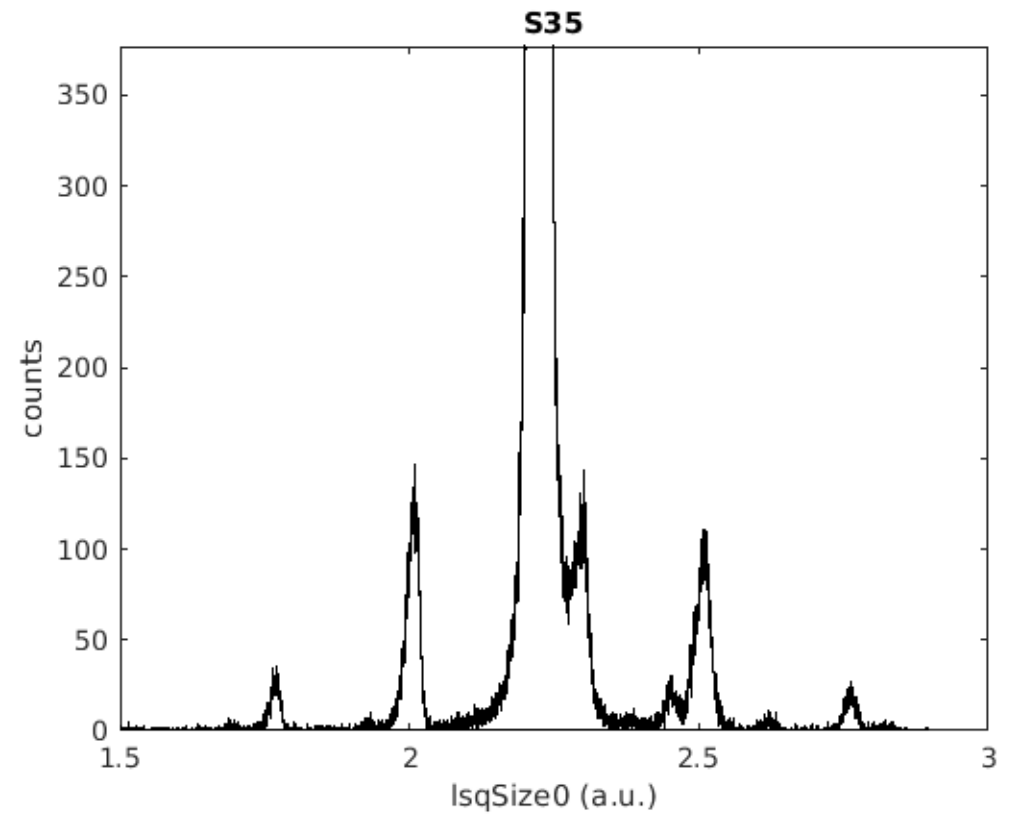
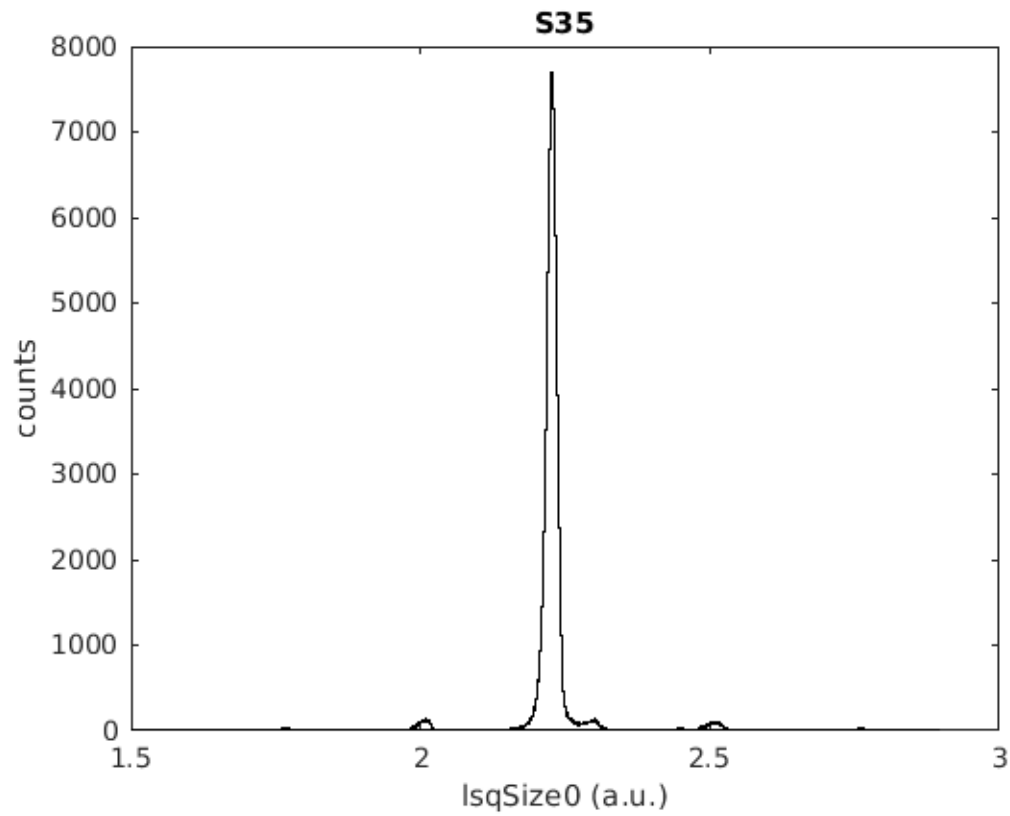
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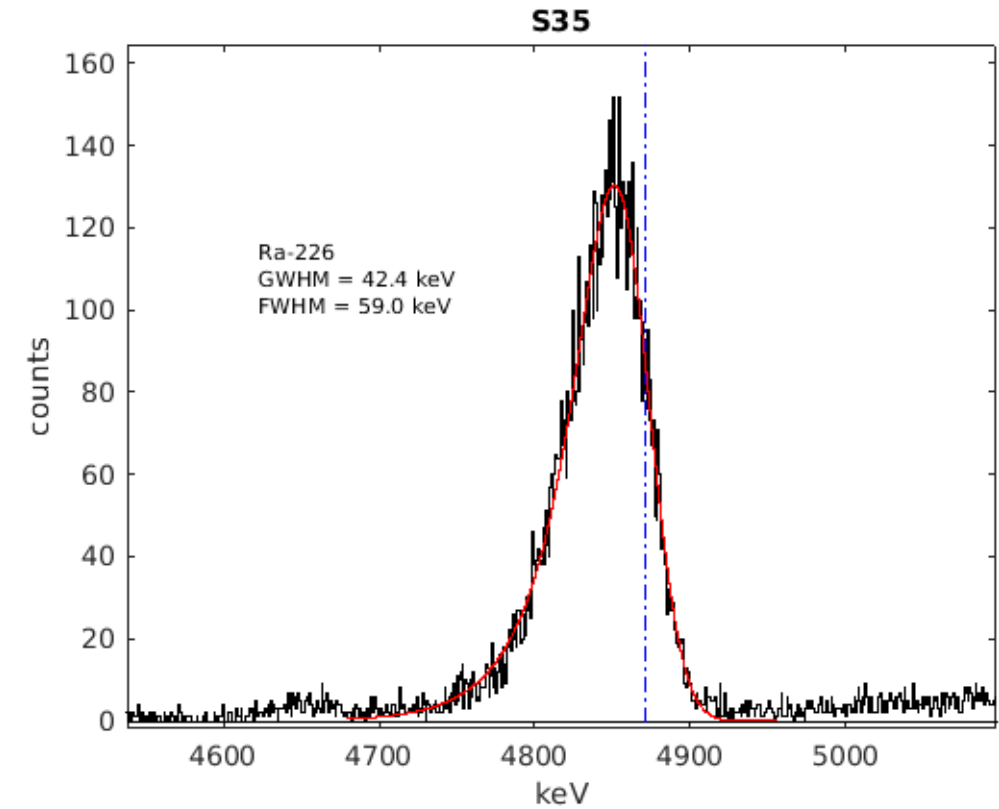
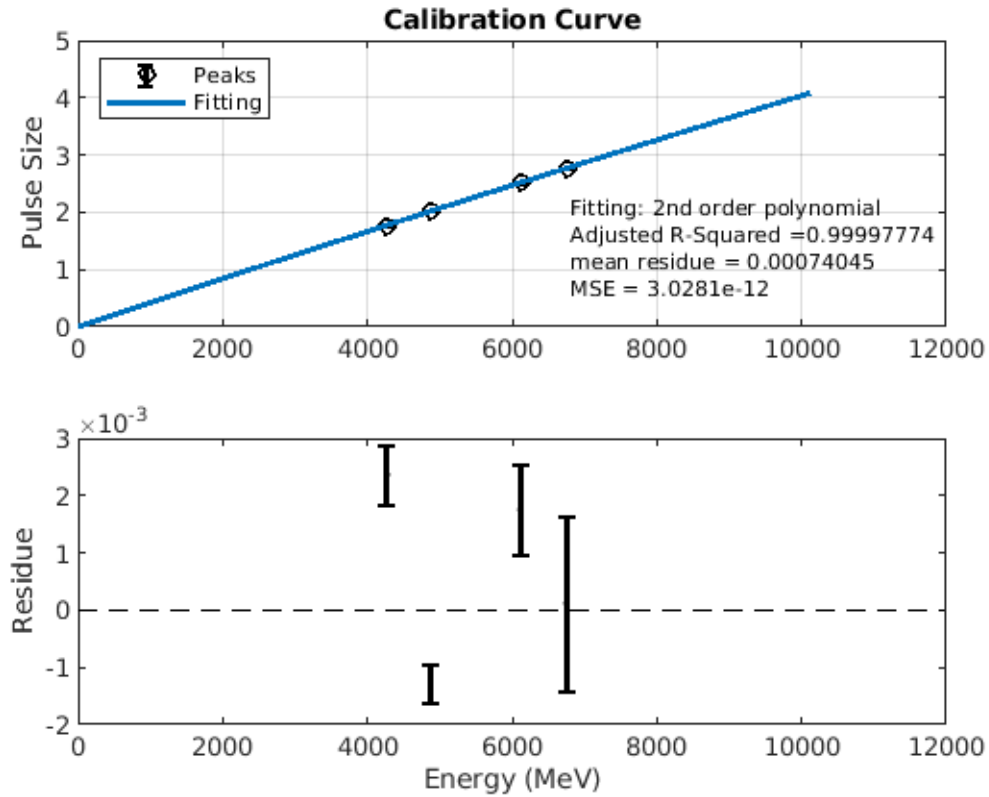
S35



S35

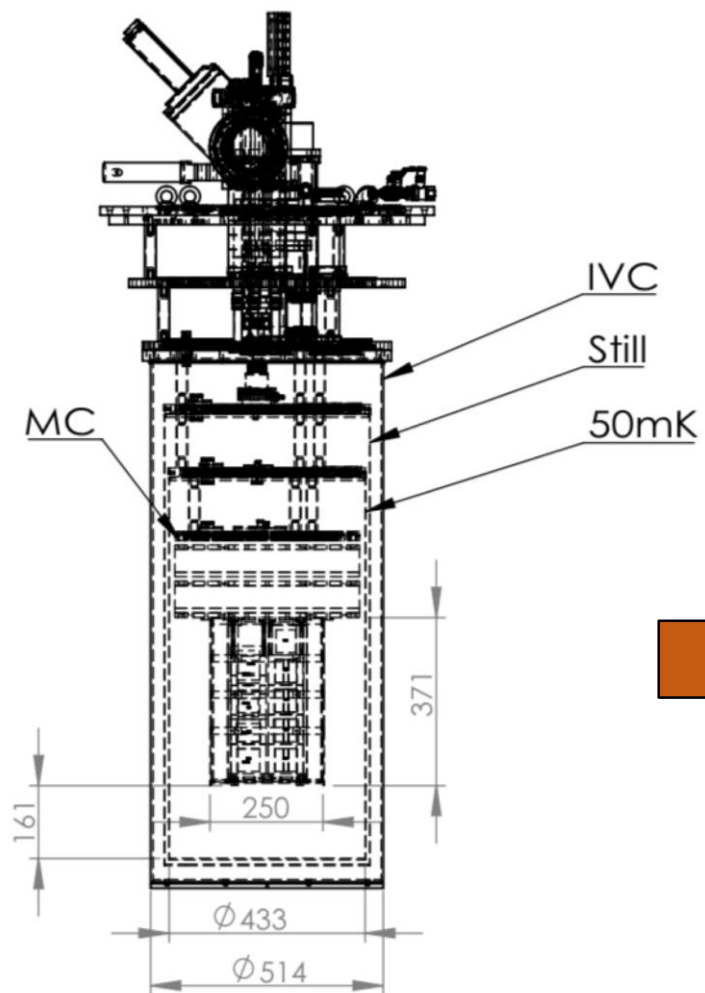


S35



Matlab code script update

- read_nibin.m
 - Able to read binary files created by new version of LTDg
 - Shared at gitlab.com
- Spectrum fitting functions...
 - Exponentially modified gaussian fitting
 - To calculate FWHM correctly



Thermometer

Heater

Mixing Chamber Plate

Room temperature

Baffle

50 K

Alloy30

4 K

Thermal anchoring

Still

50 mK

M.C.

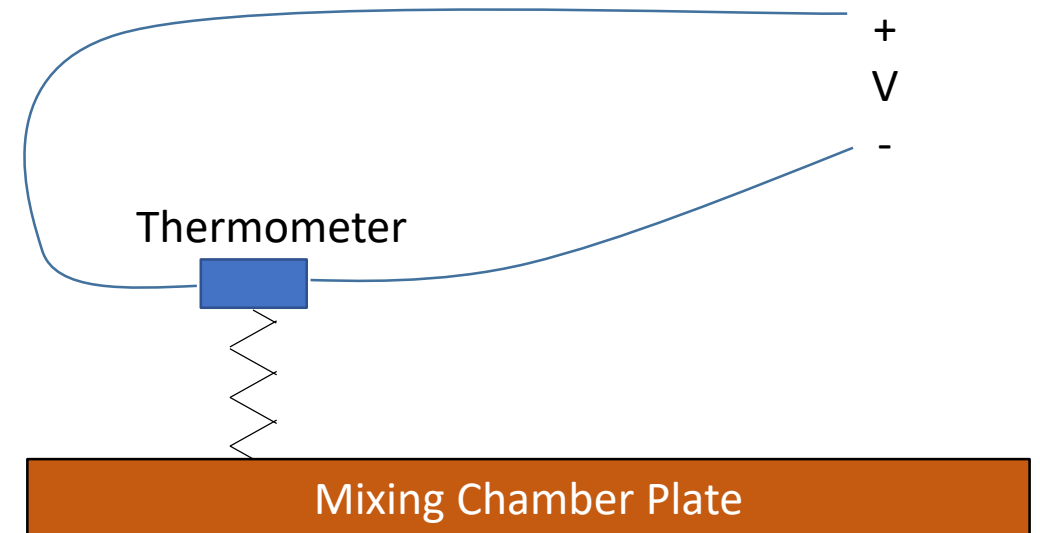
Detectors

CuNi cald NbTi

Cu cald NbTi

'Direct' temperature measurement

- PuOX
- X = F, Cl, Br, and I
- Resistance thermometer



'Direct' temperature measurement

- Problems:
- Joule heating & nearby heater -> higher temperature
- Thermal fluctuation & input noise
-> more dominant than
real temperature change

=> Use heater signal/alpha signal to
make Correction indirectly

