

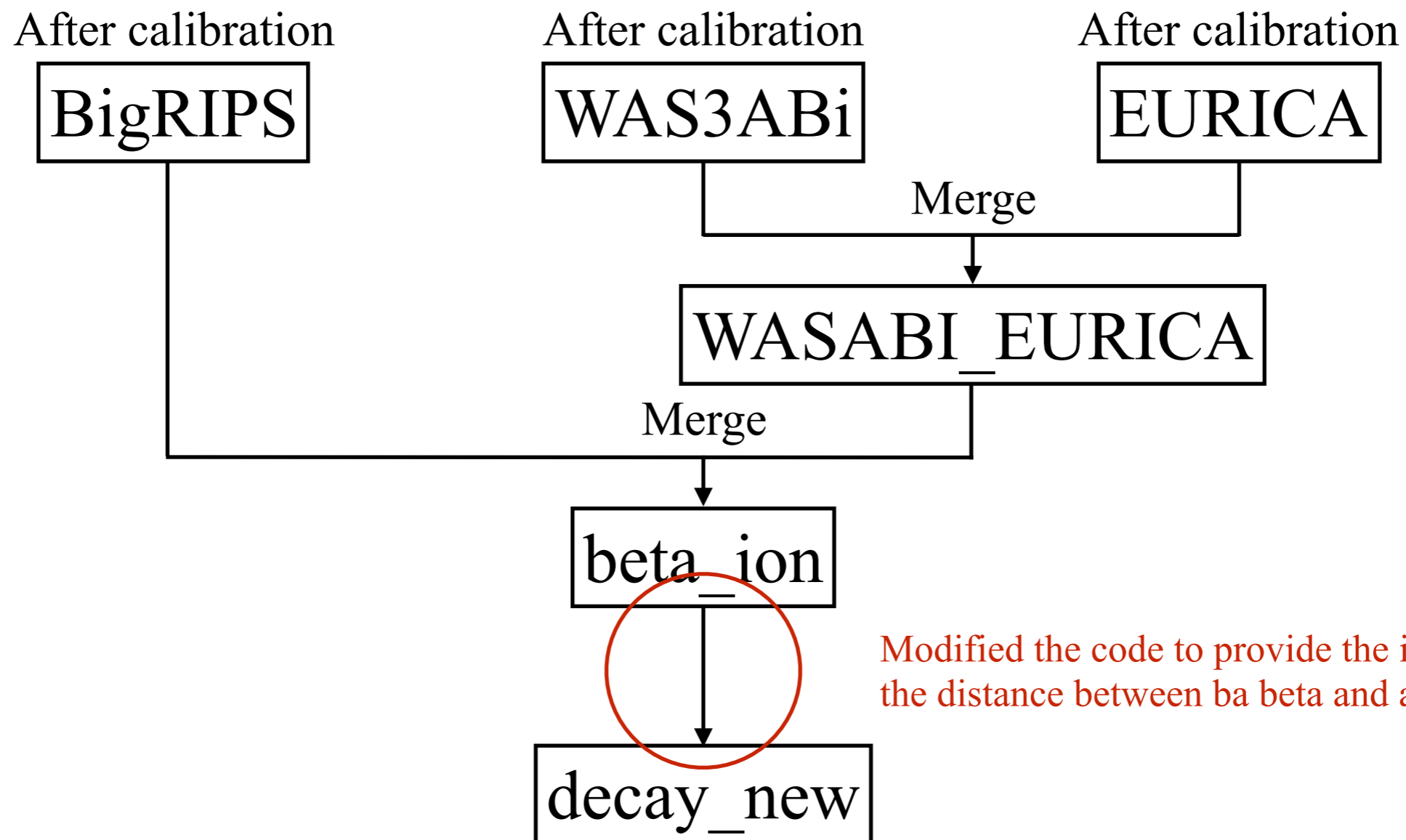
β -delayed γ -ray Spectroscopy
of ^{140}Sb : EURICA-U2013
Campaign

Jul. 05. 2016. Tue.

Byul Moon

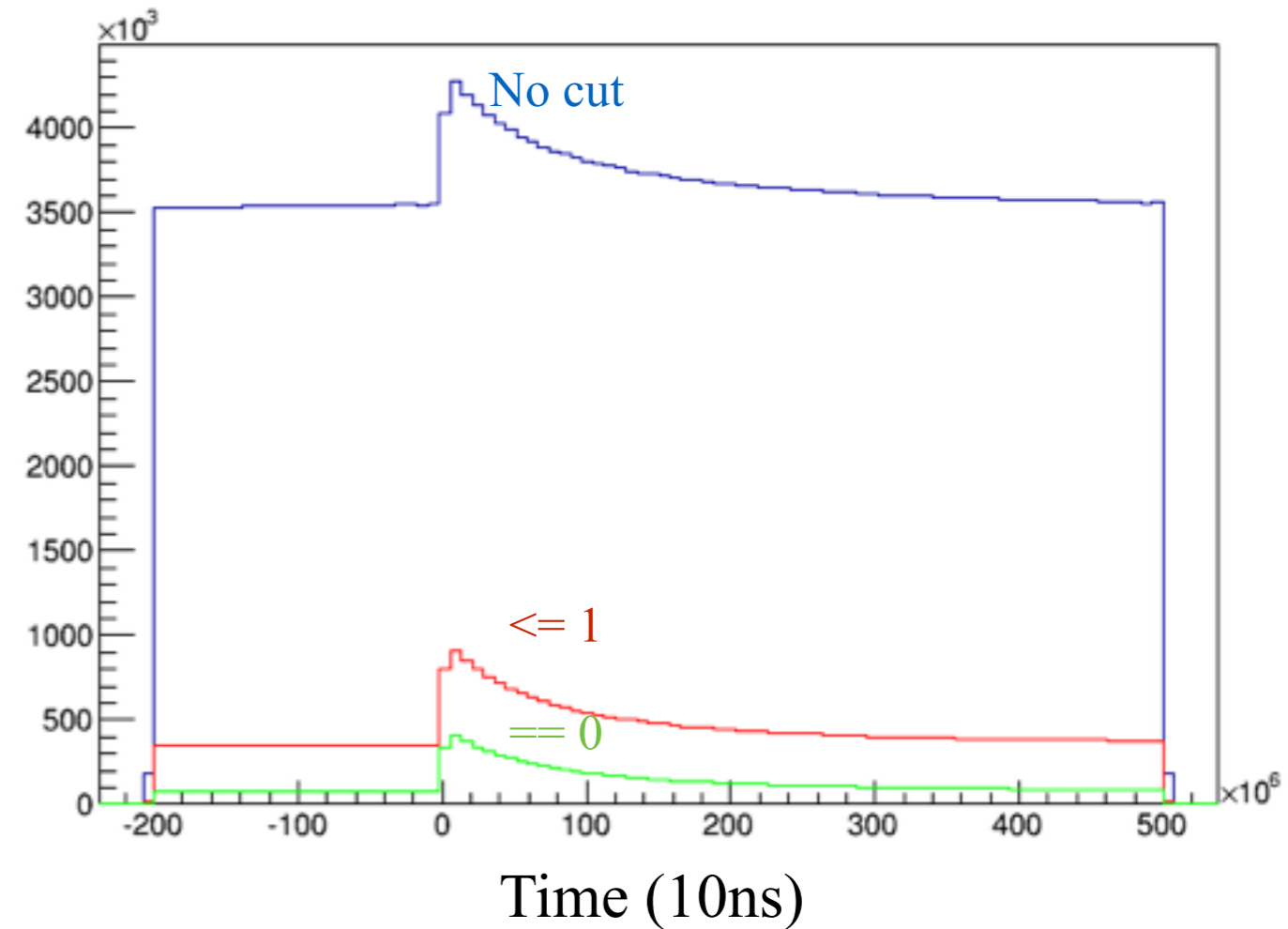
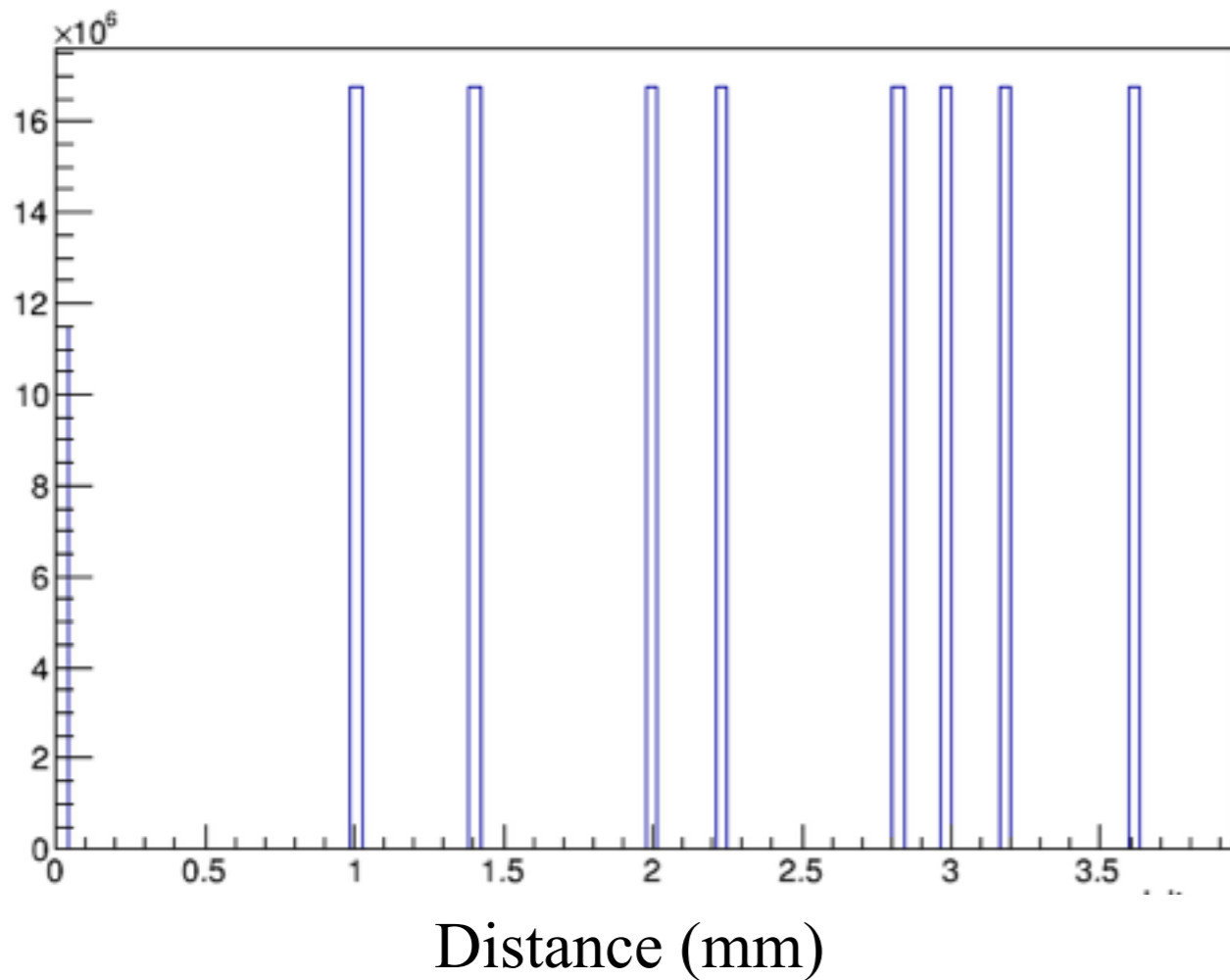
Analysis

- RIKEN Analysis Tool



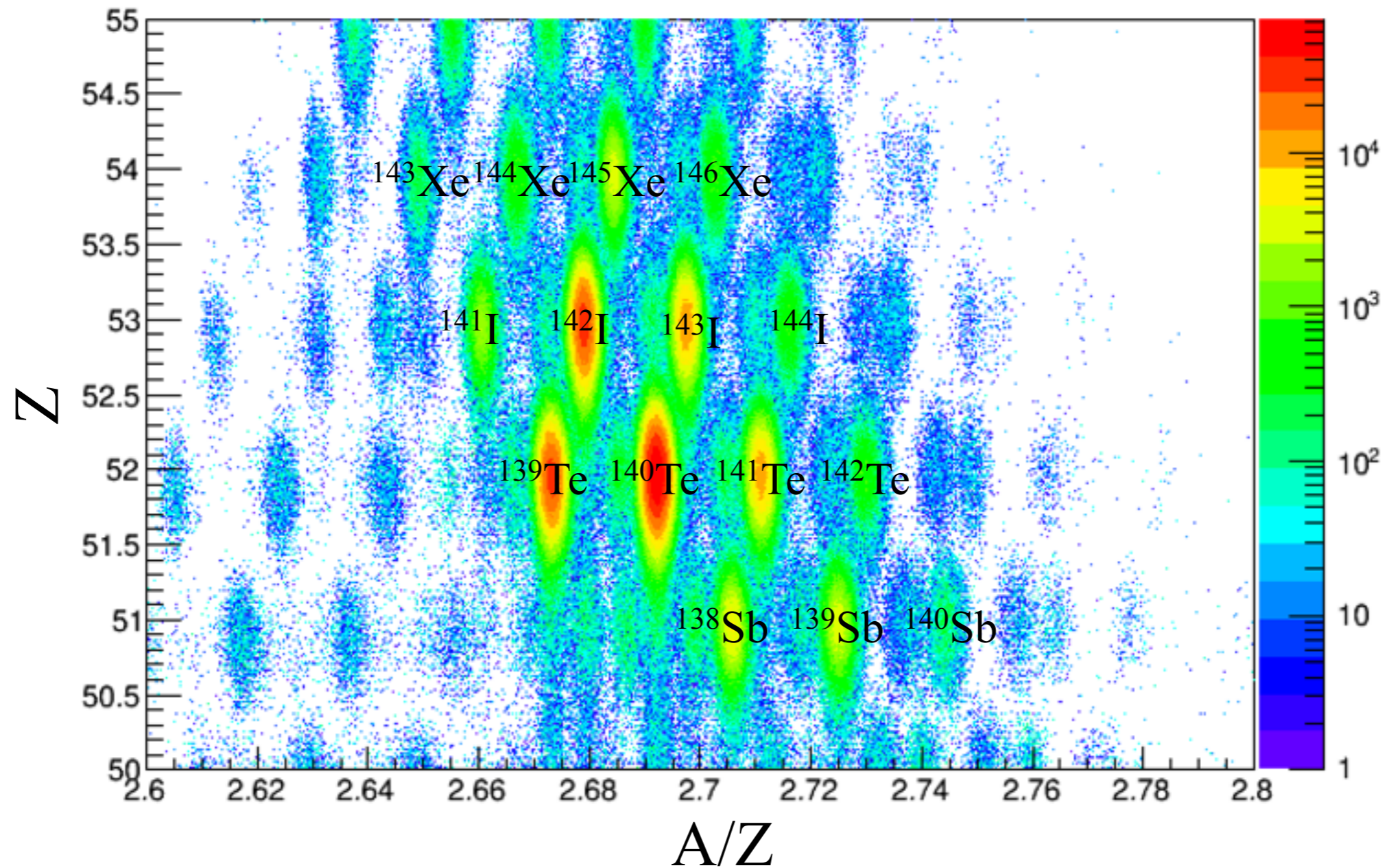
Analysis

- The Dependence of the Distance



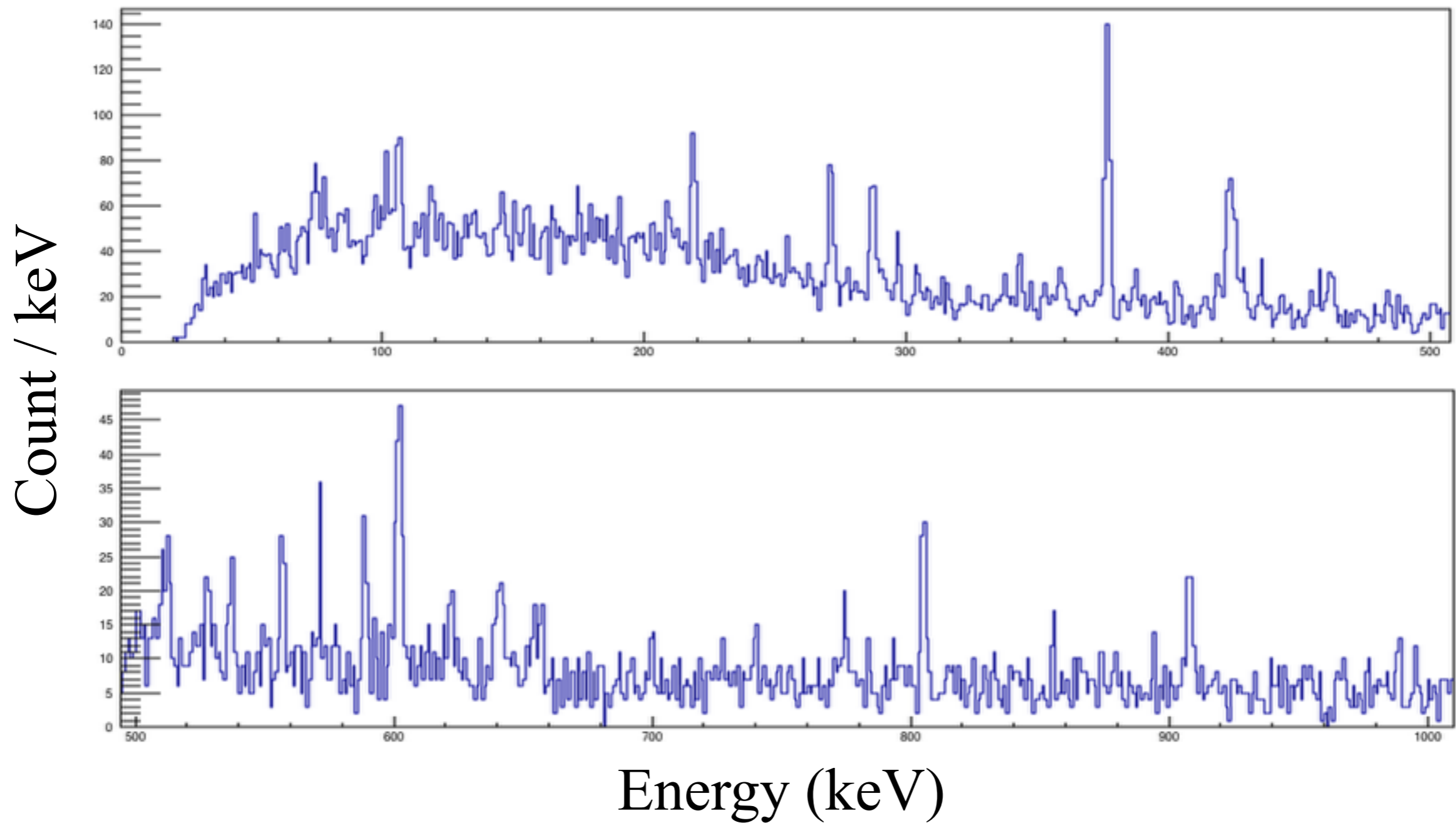
Analysis

- PID



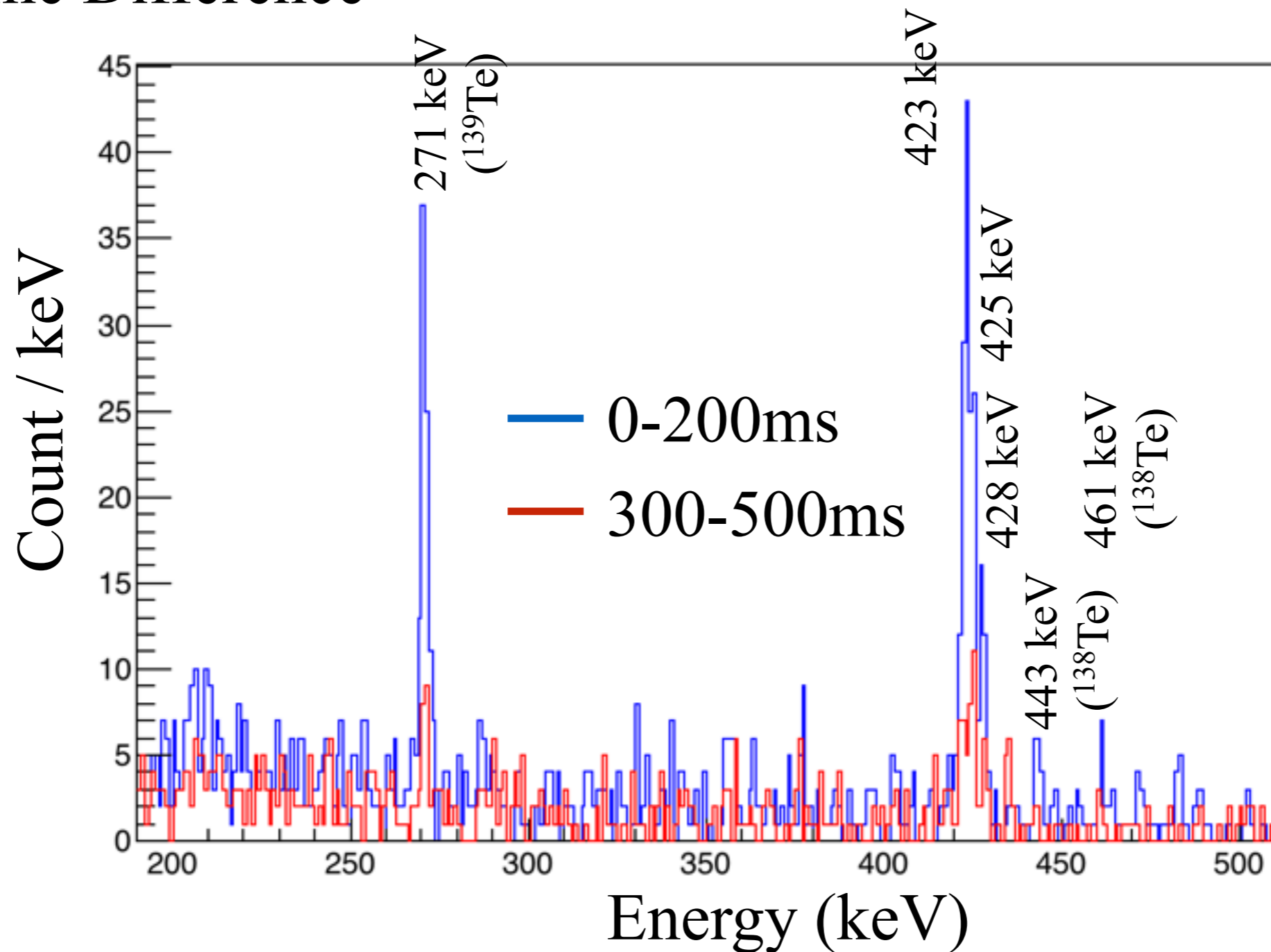
γ -ray Spectroscopy of ^{140}Sb

- γ -ray Singles Spectrum



γ -ray Spectroscopy of ^{140}Sb

- Time Difference



γ -ray Spectroscopy of ^{140}Sb

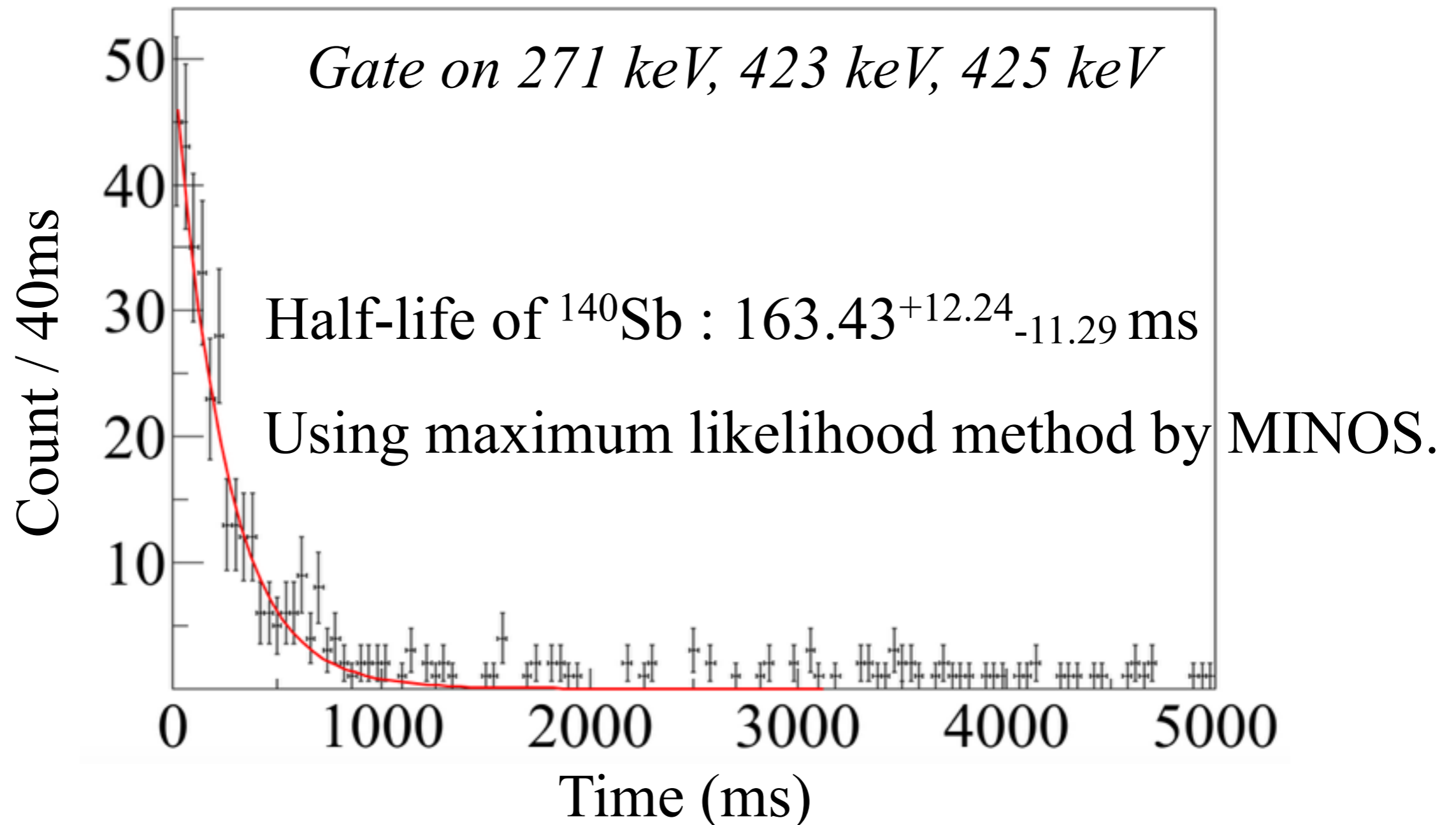
- $\gamma\gamma$ Coincidence

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	423 keV	425 keV	428 keV	271 keV	267 keV	443 keV	461 keV
423 keV	-	O	X	X	X	X	X
425 keV	O	-	X	X	O	X	X
428 keV	X	X	-	X	X	X	X
271 keV	X	X	X	-	X	X	X
267 keV	O	X	X	X	-	X	X
443 keV	X	X	X	X	X	-	O
461 keV	X	X	X	X	X	O	-

γ -ray Spectroscopy of ^{140}Sb

- Half-life Measurement



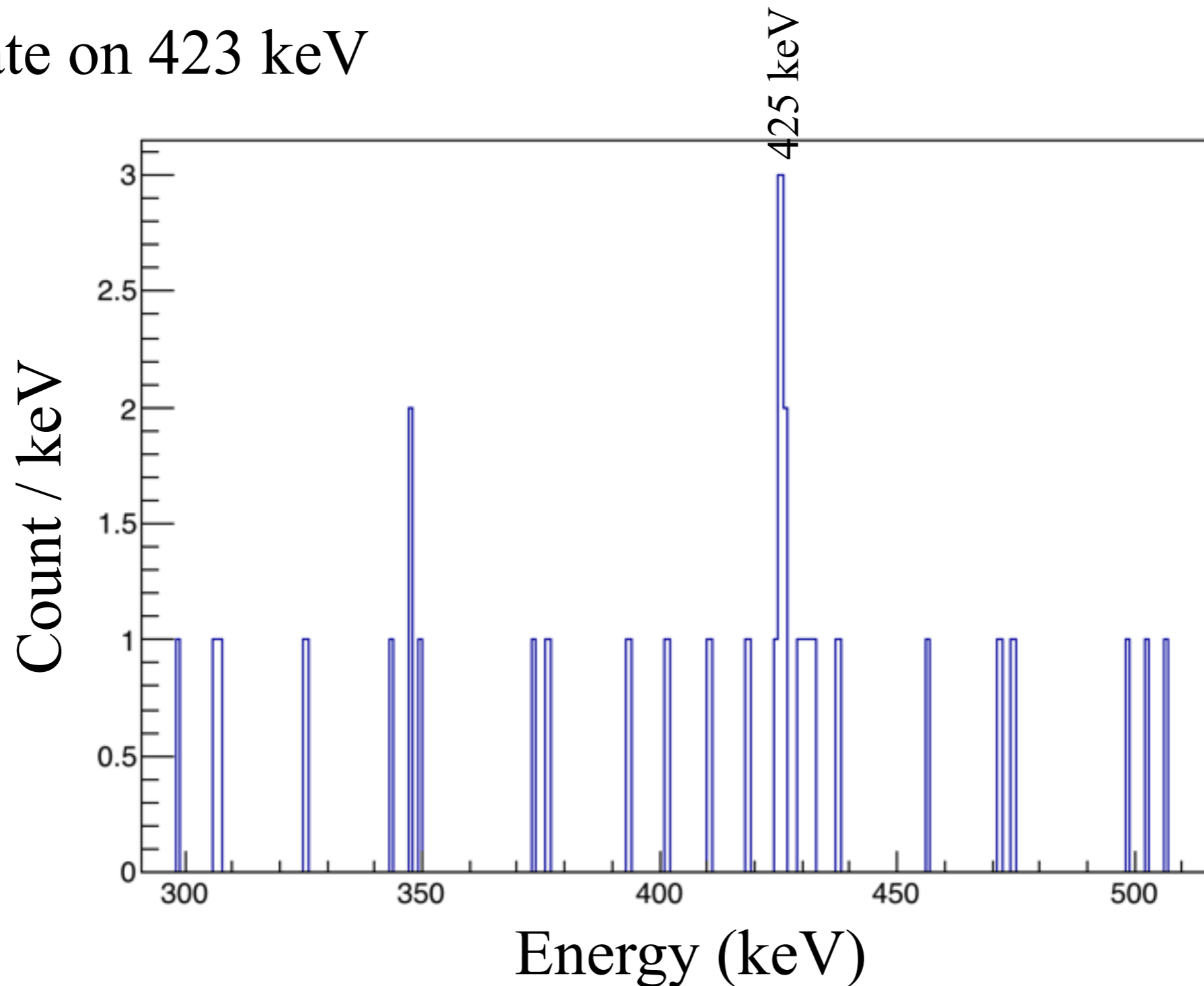
Future Analysis

- Confirm the half-life of ^{140}Sb .
- Assign the 2^+ and 4^+ state.
- Assign the β -branching ratio of ^{140}Te , ^{139}Te , and ^{138}Te .
- Announcement : There will be a seminar about EURICA CAMPAIGN at Ewha Womans University on 20th of July. Invited speaker : P.-A. Söderström from RIBF, RIKEN.

Back-up

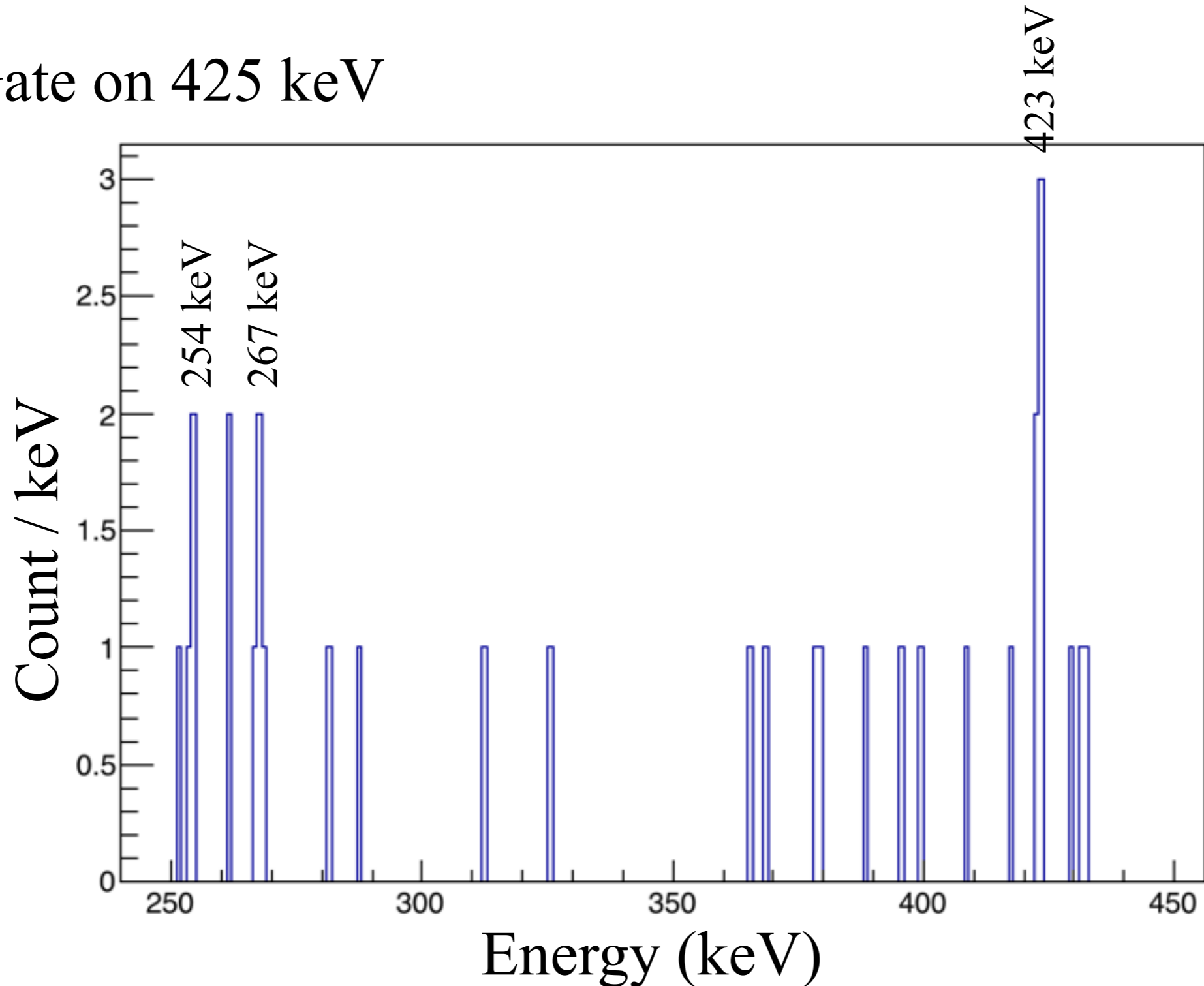
$\gamma\gamma$ Coincidence

- Gate on 423 keV



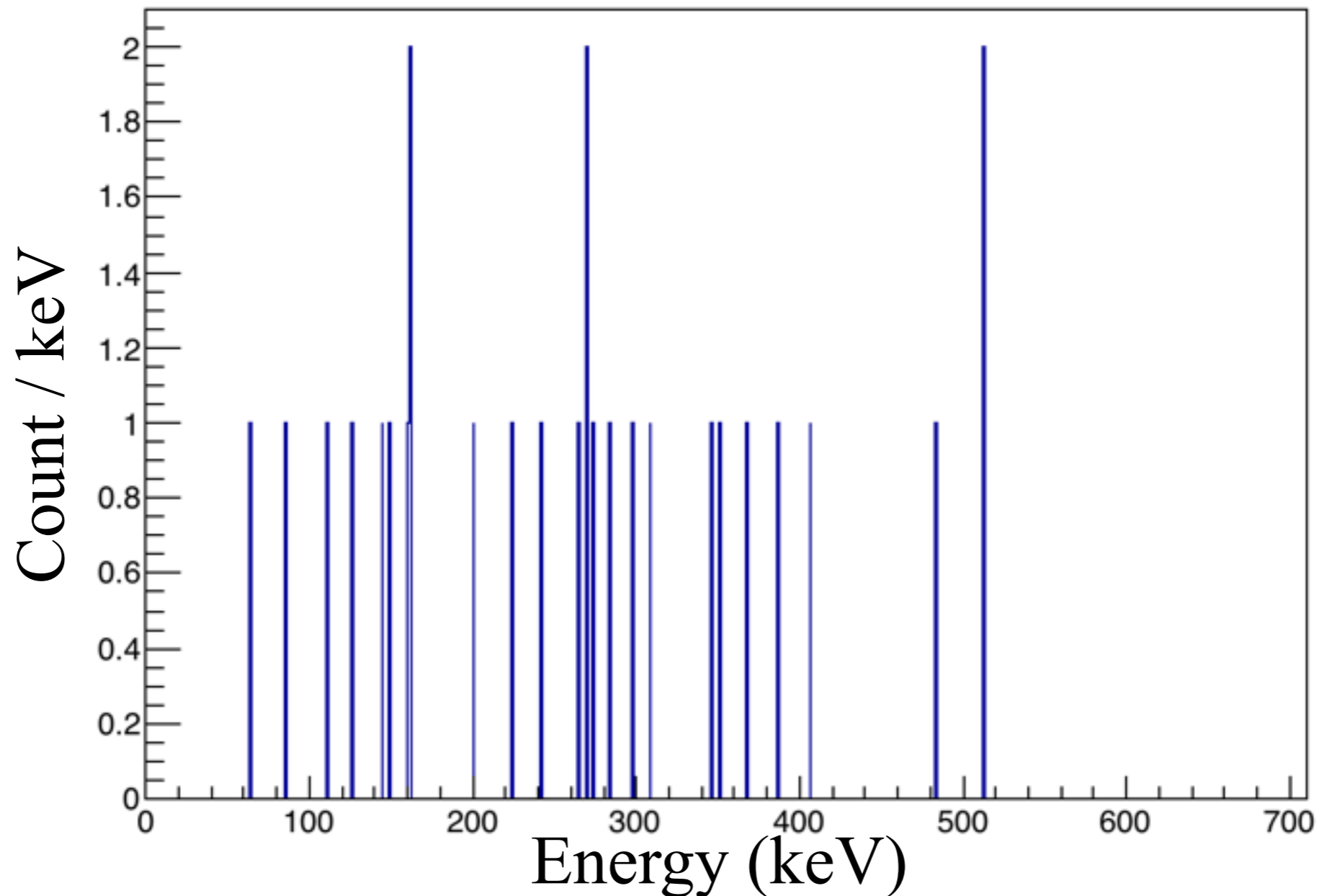
$\gamma\gamma$ Coincidence

- Gate on 425 keV



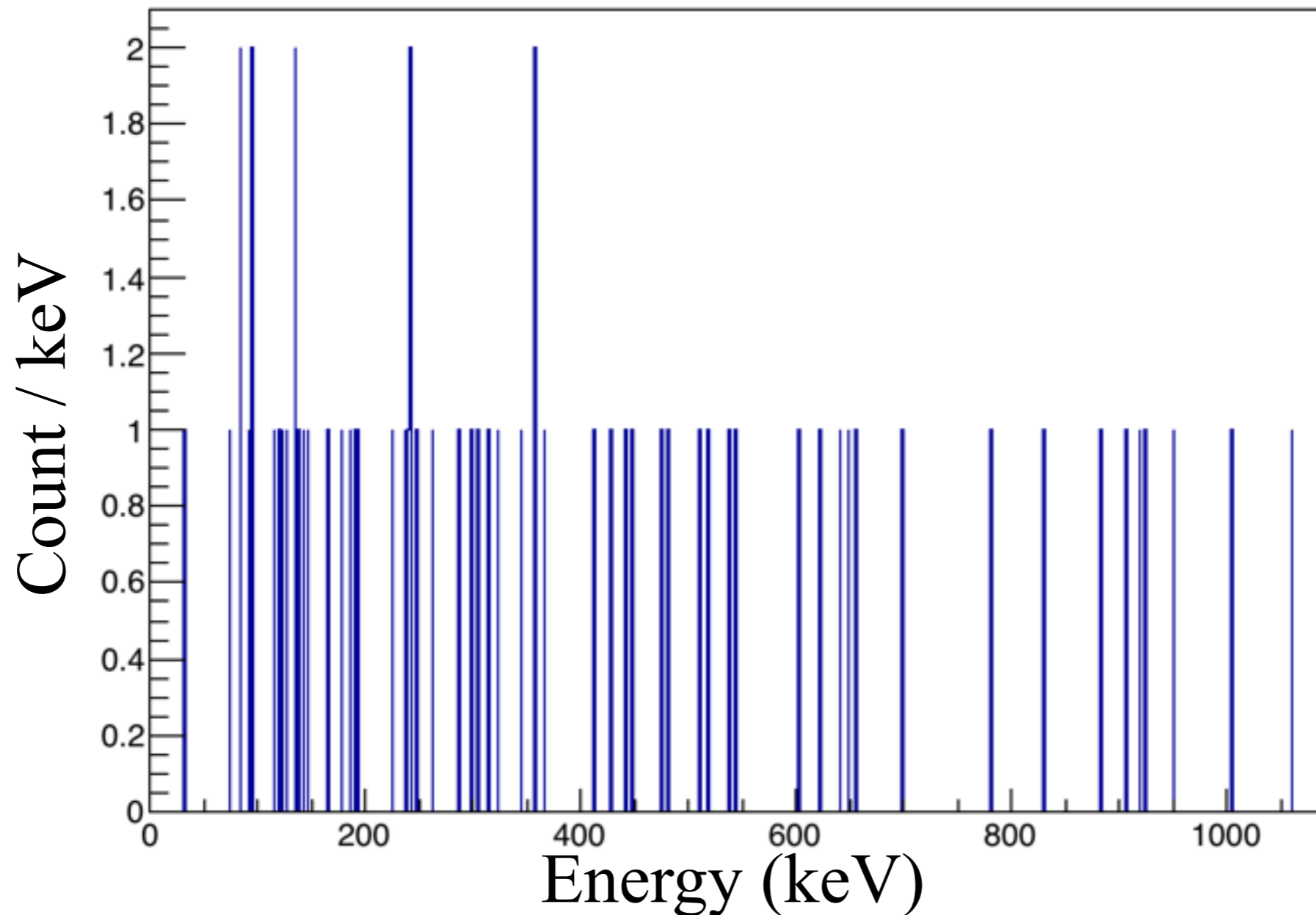
$\gamma\gamma$ Coincidence

- Gate on 428 keV



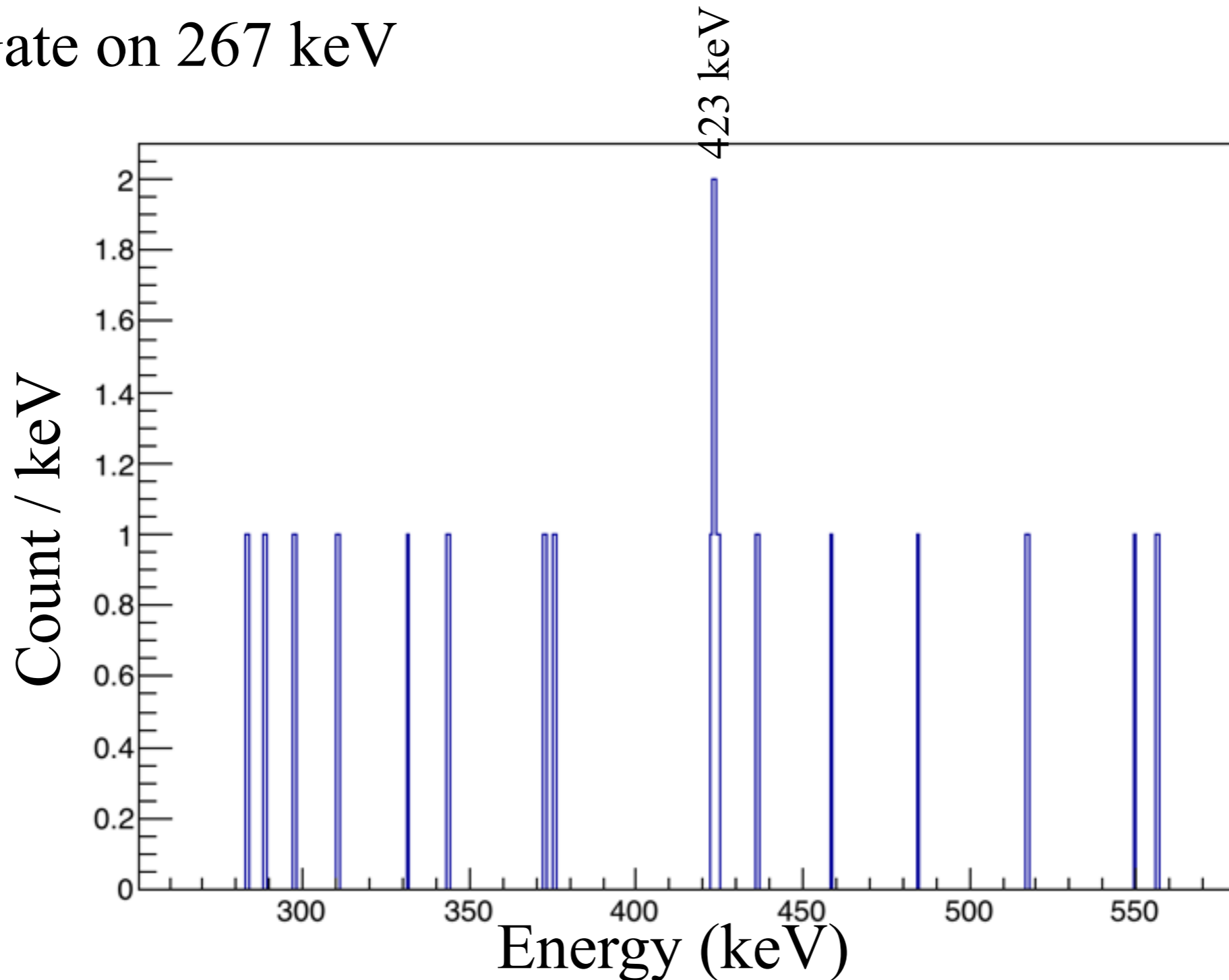
$\gamma\gamma$ Coincidence

- Gate on 271 keV



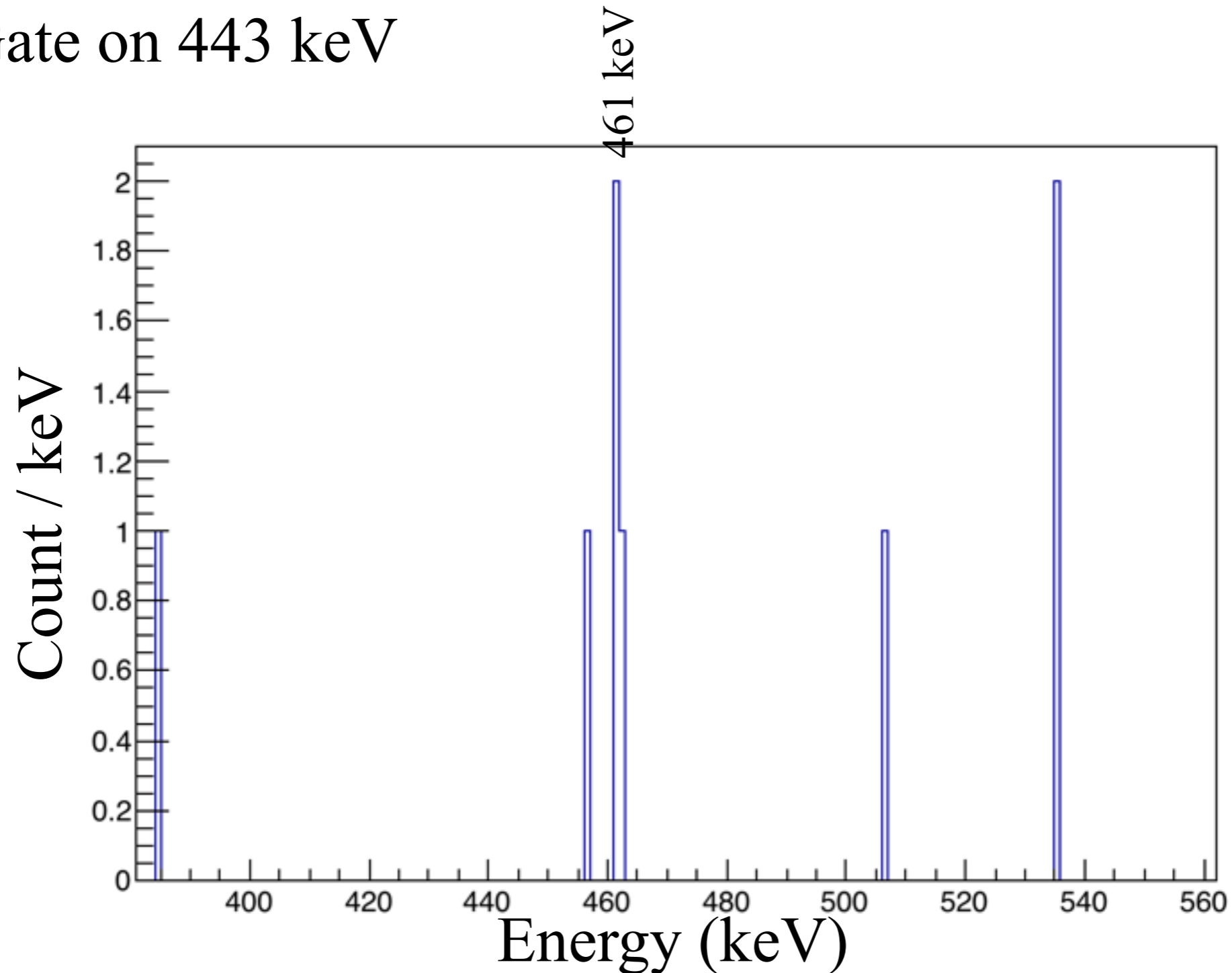
$\gamma\gamma$ Coincidence

- Gate on 267 keV



$\gamma\gamma$ Coincidence

- Gate on 443 keV



$\gamma\gamma$ Coincidence

- Gate on 461 keV

