



EXPERIMENT

Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 08:20:10
End Time: February 07, 2023, 08:21:23

SET UP

Acquisition Mode: PHA Pre-Amp	High Voltage: 800
Conversion Gain: 1024 Coarse Gain: 8	Fine Gain: 1.24
Upper Discriminator: 1048 Channels	Lower Discriminator: 14 Channels
Live Time: 73.04 Real Time: 73.1	Percent Dead: 0.08

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
36	71	1122	815	54	8

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
20: 4 | 5 | 5 | 5 | 7 | 6 | 7 | 9 | 10 | 8 |
30: 11 | 10 | 9 | 7 | 9 | 12 | 8 | 5 | 17 | 11 |
40: 16 | 16 | 8 | 18 | 18 | 23 | 23 | 28 | 16 | 26 |
50: 35 | 34 | 35 | 42 | 67 | 88 | 89 | 86 | 100 | 77 |
60: 49 | 31 | 31 | 25 | 13 | 12 | 13 | 16 | 13 | 11 |
70: 11 | 11 | 10 | 8 | 11 | 19 | 8 | 8 | 11 | 7 |
80: 13 | 11 | 8 | 11 | 14 | 6 | 14 | 14 | 10 | 8 |
90: 9 | 7 | 14 | 6 | 7 | 6 | 10 | 7 | 8 | 6 |
100: 8 | 7 | 14 | 12 | 5 | 9 | 7 | 6 | 4 | 5 |
110: 8 | 11 | 6 | 8 | 9 | 2 | 9 | 8 | 10 | 9 |
120: 8 | 7 | 6 | 13 | 1 | 4 | 8 | 6 | 4 | 5 |
130: 6 | 5 | 4 | 3 | 4 | 8 | 12 | 7 | 3 | 9 |
140: 5 | 3 | 7 | 9 | 5 | 7 | 8 | 5 | 8 | 5 |
150: 2 | 6 | 6 | 6 | 3 | 4 | 4 | 2 | 4 | 5 |
160: 2 | 4 | 8 | 7 | 3 | 4 | 6 | 5 | 3 | 4 |
170: 2 | 4 | 5 | 3 | 3 | 2 | 2 | 2 | 1 | 3 |
180: 1 | 4 | 3 | 4 | 5 | 2 | 3 | 9 | 5 | 2 |
190: 1 | 1 | 7 | 4 | 0 | 2 | 2 | 0 | 2 | 3 |
200: 3 | 0 | 2 | 3 | 8 | 2 | 3 | 7 | 3 | 5 |
210: 1 | 3 | 0 | 1 | 2 | 3 | 5 | 2 | 3 | 0 |
220: 1 | 2 | 3 | 1 | 1 | 4 | 3 | 2 | 3 | 3 |
230: 0 | 1 | 5 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
240: 2 | 1 | 5 | 3 | 3 | 2 | 3 | 0 | 2 | 4 |
250: 3 | 3 | 1 | 2 | 2 | 0 | 5 | 0 | 1 | 0 |
260: 2 | 2 | 3 | 1 | 2 | 0 | 0 | 3 | 2 | 1 |
270: 2 | 3 | 1 | 2 | 0 | 4 | 3 | 3 | 1 | 0 |
280: 0 | 4 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 2 |
290: 0 | 3 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 2 |
300: 3 | 4 | 1 | 5 | 1 | 1 | 0 | 0 | 3 | 0 |
310: 1 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 2 | 1 |
320: 0 | 0 | 4 | 4 | 1 | 5 | 1 | 5 | 1 | 6 |
330: 1 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 4 |
340: 1 | 1 | 3 | 0 | 2 | 1 | 1 | 1 | 2 | 0 |
350: 1 | 1 | 2 | 0 | 1 | 0 | 0 | 3 | 1 | 2 |
360: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
370: 1 | 0 | 0 | 2 | 1 | 0 | 3 | 2 | 2 | 2 |
380: 3 | 1 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 2 |
390: 1 | 0 | 1 | 2 | 0 | 1 | 0 | 2 | 1 | 0 |
400: 1 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 3 | 3 |
410: 2 | 5 | 1 | 0 | 2 | 3 | 5 | 1 | 1 | 0 |
420: 1 | 4 | 1 | 0 | 2 | 0 | 3 | 0 | 2 | 0 |
430: 2 | 2 | 3 | 1 | 2 | 1 | 0 | 3 | 1 | 0 |
440: 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
450: 1 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 4 |
460: 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
470: 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
480: 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
490: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |

500: 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 1 |
510: 3 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 2 |
520: 0 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
530: 0 | 1 | 5 | 1 | 0 | 1 | 1 | 0 | 2 | 2 |
540: 2 | 1 | 1 | 0 | 3 | 0 | 0 | 2 | 0 | 1 |
550: 1 | 1 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 1 |
560: 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 |
570: 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
580: 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
590: 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
600: 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
610: 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
620: 0 | 1 | 2 | 0 | 2 | 0 | 0 | 1 | 1 | 0 |
630: 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
640: 0 | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 |
650: 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
660: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 |
670: 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
680: 0 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
690: 2 | 3 | 2 | 0 | 1 | 0 | 0 | 4 | 0 | 0 |
700: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
710: 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
720: 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
730: 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
740: 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
750: 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
760: 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
770: 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 |
780: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
790: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
800: 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
810: 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
820: 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
830: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
840: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
850: 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
860: 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
870: 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
880: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
890: 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 |
900: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
910: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
920: 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
930: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
940: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
950: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
960: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
970: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
980: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
990: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

```
1000: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
1010: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
1020: 0 | 1 | 0 | 0 |
```