EXPERIMENT
Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 08:33:51
End Time: February 07, 2023, 08:35:00

SET UP

Acquisition Mode: PHA Direct In	High Voltage: 0
Conversion Gain: 1024 Coarse Gain: 1	Fine Gain: 1.00
Upper Discriminator: 1048 Channels	Lower Discriminator: 14 Channels
Live Time: 69.45 Real Time: 69.51	Percent Dead: 0.08

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
45	51	390	161	47	3
206	212	60	23	208	3
395	403	50	32	398	3
882	890	29	-13	882	--

```
0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
20: 10 | 10 | 24 | 12 | 19 | 30 | 31 | 21 | 28 | 24 |
30: 20 | 24 | 11 | 24 | 24 | 35 | 21 | 32 | 27 | 28 |
40: 22 | 42 | 35 | 28 | 30 | 37 | 30 | 88 | 126 | 41 |
50: 35 | 33 | 36 | 32 | 49 | 39 | 37 | 43 | 34 | 42 |
60: 44 | 47 | 42 | 36 | 29 | 32 | 37 | 27 | 30 | 34 |
70: 36 | 40 | 31 | 31 | 38 | 27 | 38 | 30 | 37 | 34 |
80: 34 | 24 | 26 | 33 | 31 | 27 | 23 | 29 | 23 | 30 |
90: 26 | 24 | 22 | 24 | 31 | 26 | 20 | 25 | 18 | 21 |
100: 24 | 29 | 24 | 40 | 22 | 24 | 17 | 32 | 17 | 21 |
110: 17 | 20 | 19 | 18 | 15 | 13 | 15 | 17 | 20 | 15 |
120: 22 | 15 | 17 | 15 | 16 | 10 | 22 | 12 | 12 | 12 |
130: 11 | 15 | 15 | 12 | 12 | 16 | 18 | 14 | 10 | 31 |
140: 14 | 16 | 15 | 11 | 11 | 13 | 16 | 8 | 15 | 5 |
150: 10 | 13 | 9 | 16 | 5 | 12 | 5 | 8 | 6 | 6 |
160: 10 | 7 | 3 | 13 | 10 | 9 | 14 | 7 | 6 | 10 |
170: 8 | 7 | 8 | 6 | 12 | 10 | 10 | 11 | 9 | 11 |
180: 9 | 7 | 4 | 6 | 7 | 9 | 6 | 4 | 5 | 5 |
190: 7 | 7 | 9 | 5 | 3 | 8 | 3 | 5 | 8 | 8 |
200: 7 | 7 | 5 | 5 | 7 | 5 | 7 | 9 | 18 | 13 |
210: 4 | 3 | 6 | 5 | 8 | 6 | 7 | 3 | 6 | 10 |
220: 4 | 8 | 5 | 6 | 2 | 1 | 6 | 2 | 8 | 7 |
230: 9 | 3 | 6 | 3 | 2 | 6 | 2 | 7 | 3 | 1 |
240: 3 | 3 | 6 | 4 | 2 | 2 | 5 | 0 | 7 | 3 |
250: 6 | 4 | 7 | 2 | 4 | 4 | 7 | 5 | 2 | 0 |
260: 6 | 4 | 7 | 6 | 2 | 6 | 4 | 5 | 4 | 3 |
270: 4 | 3 | 4 | 4 | 5 | 4 | 2 | 5 | 6 | 3 |
280: 1 | 3 | 3 | 1 | 1 | 4 | 2 | 2 | 4 | 4 |
290: 6 | 6 | 1 | 2 | 1 | 3 | 4 | 0 | 1 | 5 |
300: 1 | 3 | 1 | 1 | 1 | 8 | 6 | 6 | 1 | 4 |
310: 4 | 4 | 1 | 2 | 3 | 2 | 4 | 2 | 7 | 3 |
320: 1 | 1 | 2 | 6 | 1 | 5 | 3 | 4 | 3 | 4 |
330: 4 | 0 | 1 | 2 | 2 | 4 | 3 | 2 | 5 | 2 |
340: 3 | 0 | 1 | 2 | 1 | 3 | 1 | 0 | 2 | 2 |
350: 10 | 5 | 3 | 0 | 2 | 5 | 6 | 2 | 2 | 1 |
360: 3 | 2 | 1 | 2 | 3 | 2 | 10 | 3 | 3 | 1 |
370: 3 | 2 | 2 | 1 | 2 | 1 | 0 | 1 | 3 | 1 |
380: 1 | 2 | 2 | 2 | 2 | 0 | 1 | 1 | 0 | 1 |
390: 1 | 0 | 1 | 2 | 0 | 5 | 3 | 4 | 13 | 15 |
400: 2 | 2 | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 1 |
410: 1 | 3 | 3 | 3 | 0 | 1 | 2 | 1 | 2 | 4 |
420: 3 | 2 | 0 | 2 | 0 | 2 | 4 | 2 | 1 | 1 |
430: 1 | 2 | 3 | 4 | 2 | 1 | 2 | 1 | 1 | 5 |
440: 3 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 2 | 1 |
450: 0 | 2 | 3 | 1 | 1 | 1 | 3 | 4 | 2 | 2 |
460: 1 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 3 | 1 |
470: 1 | 2 | 1 | 0 | 4 | 0 | 0 | 2 | 0 | 1 |
480: 1 | 0 | 1 | 2 | 0 | 1 | 0 | 2 | 0 | 1 |
490: 2 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 2 |
```

```
500: 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
510: 1 | 2 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 2 |
520: 1 | 0 | 4 | 0 | 1 | 3 | 1 | 1 | 1 | 2 |
530: 1 | 1 | 0 | 1 | 1 | 0 | 0 | 3 | 1 | 4 |
540: 0 | 2 | 3 | 1 | 1 | 2 | 3 | 1 | 0 | 3 |
550: 5 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 |
560: 1 | 1 | 2 | 1 | 1 | 2 | 0 | 3 | 3 | 2 |
570: 3 | 0 | 3 | 1 | 0 | 1 | 1 | 1 | 3 | 0 |
580: 2 | 2 | 0 | 5 | 1 | 2 | 2 | 2 | 1 | 0 |
590: 2 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
600: 0 | 1 | 1 | 2 | 4 | 0 | 0 | 0 | 2 | 2 |
610: 1 | 2 | 2 | 0 | 1 | 0 | 1 | 3 | 1 | 0 |
620: 3 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 2 | 0 |
630: 3 | 0 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 |
640: 2 | 1 | 1 | 0 | 2 | 0 | 2 | 1 | 1 | 0 |
650: 2 | 0 | 0 | 3 | 0 | 2 | 0 | 2 | 0 | 1 |
660: 1 | 2 | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 0 |
670: 2 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 |
680: 0 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
690: 0 | 0 | 1 | 1 | 3 | 1 | 2 | 1 | 1 | 0 |
700: 0 | 1 | 1 | 0 | 2 | 0 | 0 | 4 | 7 | 0 |
710: 0 | 1 | 3 | 1 | 1 | 1 | 0 | 2 | 1 | 2 |
720: 0 | 0 | 3 | 0 | 4 | 1 | 1 | 0 | 3 | 0 |
730: 3 | 1 | 0 | 1 | 1 | 1 | 2 | 2 | 0 | 1 |
740: 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
750: 1 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 1 |
760: 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
770: 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
780: 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
790: 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 |
800: 1 | 0 | 0 | 2 | 2 | 5 | 0 | 0 | 0 | 0 |
810: 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
820: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
830: 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
840: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
850: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
860: 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
870: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
880: 1 | 2 | 13 | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
890: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
900: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
910: 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
930: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
940: 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
950: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
960: 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
970: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
980: 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
990: 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
```

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