



EXPERIMENT

Spectrum Name:
 Description:
 Student ID:
 Detector:
 Comments:
 Start Time: February 07, 2023, 10:00:06
 End Time: February 07, 2023, 10:01:25

SET UP

Acquisition Mode: PHA Pre-Amp	High Voltage: 0
Conversion Gain: 1024 Coarse Gain: 8	Fine Gain: 1.50
Upper Discriminator: 1048 Channels	Lower Discriminator: 14 Channels
Live Time: 76.3 Real Time: 78.81	Percent Dead: 3.18

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
24	45	161040	152174	37	7
350	371	4432	4166	362	7
678	702	36	10	690	--
783	804	19	18	791	8

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 |
10: 9 | 2 | 1 | 4 | 8 | 119 | 1637 | 1627 | 792 | 343 |
20: 252 | 214 | 214 | 203 | 166 | 173 | 179 | 176 | 165 | 166 |
30: 206 | 362 | 1112 | 3492 | 8957 | 16641 | 23071 | 25282 | 23099 | 18778 |
40: 14694 | 11625 | 7365 | 3624 | 1309 | 398 | 175 | 125 | 123 | 122 |
50: 111 | 105 | 115 | 139 | 143 | 112 | 120 | 113 | 120 | 120 |
60: 122 | 118 | 104 | 115 | 112 | 113 | 117 | 99 | 104 | 95 |
70: 120 | 113 | 98 | 113 | 107 | 104 | 107 | 109 | 99 | 109 |
80: 104 | 86 | 99 | 104 | 94 | 107 | 102 | 96 | 100 | 105 |
90: 111 | 96 | 123 | 105 | 113 | 94 | 96 | 91 | 112 | 94 |
100: 99 | 93 | 105 | 98 | 84 | 84 | 95 | 95 | 112 | 85 |
110: 90 | 87 | 112 | 98 | 94 | 93 | 94 | 94 | 96 | 98 |
120: 106 | 95 | 96 | 87 | 81 | 111 | 59 | 85 | 101 | 78 |
130: 82 | 91 | 105 | 70 | 65 | 65 | 62 | 97 | 81 | 64 |
140: 95 | 77 | 84 | 74 | 90 | 83 | 84 | 75 | 74 | 67 |
150: 73 | 72 | 67 | 77 | 83 | 64 | 73 | 62 | 66 | 81 |
160: 72 | 67 | 66 | 69 | 67 | 69 | 65 | 70 | 70 | 63 |
170: 89 | 61 | 56 | 72 | 75 | 63 | 55 | 68 | 66 | 62 |
180: 66 | 71 | 63 | 61 | 87 | 75 | 57 | 73 | 78 | 57 |
190: 55 | 86 | 66 | 76 | 86 | 65 | 63 | 66 | 82 | 64 |
200: 60 | 58 | 72 | 70 | 63 | 72 | 72 | 71 | 72 | 79 |
210: 87 | 65 | 92 | 72 | 71 | 72 | 60 | 71 | 77 | 74 |
220: 76 | 57 | 68 | 73 | 80 | 68 | 78 | 71 | 78 | 82 |
230: 61 | 88 | 72 | 78 | 85 | 82 | 96 | 75 | 101 | 75 |
240: 94 | 78 | 86 | 80 | 102 | 99 | 92 | 104 | 91 | 92 |
250: 83 | 77 | 75 | 72 | 67 | 46 | 64 | 52 | 46 | 46 |
260: 39 | 41 | 59 | 51 | 56 | 49 | 58 | 36 | 32 | 45 |
270: 38 | 43 | 31 | 48 | 31 | 32 | 31 | 38 | 21 | 25 |
280: 37 | 25 | 27 | 27 | 30 | 19 | 23 | 20 | 27 | 27 |
290: 31 | 27 | 20 | 20 | 27 | 20 | 11 | 11 | 14 | 12 |
300: 11 | 14 | 14 | 15 | 12 | 12 | 12 | 11 | 7 | 9 |
310: 8 | 12 | 14 | 14 | 14 | 8 | 16 | 13 | 11 | 9 |
320: 5 | 14 | 12 | 9 | 5 | 11 | 11 | 10 | 13 | 10 |
330: 10 | 8 | 12 | 12 | 11 | 4 | 4 | 11 | 9 | 5 |
340: 9 | 4 | 11 | 10 | 12 | 6 | 6 | 7 | 10 | 12 |
350: 11 | 10 | 9 | 12 | 9 | 9 | 16 | 42 | 100 | 215 |
360: 367 | 572 | 721 | 775 | 585 | 376 | 259 | 181 | 84 | 44 |
370: 17 | 18 | 8 | 11 | 6 | 4 | 9 | 4 | 6 | 6 |
380: 11 | 5 | 11 | 10 | 3 | 3 | 2 | 4 | 0 | 1 |
390: 2 | 1 | 4 | 4 | 2 | 1 | 2 | 2 | 2 | 1 |
400: 7 | 4 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 |
410: 0 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 0 | 2 |
420: 1 | 0 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 7 |
430: 1 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
440: 1 | 1 | 1 | 6 | 3 | 0 | 0 | 0 | 2 | 2 |
450: 3 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
460: 2 | 1 | 1 | 0 | 5 | 3 | 0 | 0 | 2 | 2 |
470: 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 |
480: 1 | 2 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 3 |
490: 0 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 1 | 0 |

500: 1 | 0 | 1 | 1 | 2 | 0 | 3 | 1 | 1 | 2 |
510: 4 | 1 | 4 | 1 | 3 | 1 | 1 | 2 | 0 | 1 |
520: 2 | 1 | 1 | 3 | 3 | 1 | 0 | 0 | 0 | 2 |
530: 1 | 1 | 4 | 1 | 0 | 1 | 3 | 2 | 2 | 1 |
540: 2 | 2 | 2 | 0 | 1 | 3 | 1 | 0 | 0 | 2 |
550: 2 | 1 | 2 | 3 | 0 | 0 | 1 | 2 | 1 | 1 |
560: 1 | 3 | 1 | 2 | 4 | 1 | 2 | 1 | 1 | 1 |
570: 1 | 0 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 |
580: 1 | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 0 | 1 |
590: 0 | 2 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 4 |
600: 1 | 2 | 3 | 1 | 1 | 6 | 0 | 1 | 2 | 4 |
610: 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
620: 0 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 3 |
630: 2 | 2 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 2 |
640: 1 | 4 | 1 | 1 | 1 | 1 | 2 | 4 | 2 | 1 |
650: 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 2 |
660: 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
670: 1 | 0 | 1 | 3 | 2 | 1 | 0 | 1 | 0 | 3 |
680: 2 | 2 | 1 | 1 | 0 | 3 | 2 | 2 | 1 | 3 |
690: 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 5 |
700: 2 | 3 | 3 | 1 | 0 | 3 | 2 | 0 | 1 | 0 |
710: 0 | 0 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 0 |
720: 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
730: 2 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
740: 0 | 2 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 |
750: 0 | 3 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
760: 0 | 1 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 |
770: 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 |
780: 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 2 |
790: 2 | 1 | 1 | 3 | 0 | 1 | 0 | 0 | 2 | 0 |
800: 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 |
810: 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
820: 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
830: 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
840: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
850: 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 1 |
860: 2 | 6 | 5 | 4 | 4 | 4 | 2 | 1 | 3 | 0 |
870: 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
880: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
890: 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
900: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
910: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
930: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
940: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
950: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
960: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
970: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
980: 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
990: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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