



EXPERIMENT

Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 08:23:21
End Time: February 07, 2023, 08:24:22

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: 60.33 Real Time: 60.96	Percent Dead: 1.03

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
19	28	4616	1815	22	--
42	62	3436	663	51	6
370	452	16865	16324	410	28

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
20: 1102 | 1008 | 675 | 555 | 351 | 260 | 220 | 159 | 165 | 140 |
30: 116 | 125 | 136 | 138 | 139 | 134 | 118 | 135 | 114 | 140 |
40: 119 | 133 | 141 | 170 | 166 | 202 | 234 | 210 | 209 | 188 |
50: 158 | 177 | 176 | 147 | 156 | 160 | 164 | 137 | 138 | 148 |
60: 116 | 124 | 115 | 112 | 96 | 106 | 130 | 144 | 119 | 108 |
70: 107 | 111 | 102 | 113 | 141 | 127 | 114 | 108 | 130 | 123 |
80: 118 | 82 | 120 | 147 | 118 | 130 | 126 | 131 | 143 | 122 |
90: 117 | 116 | 108 | 119 | 121 | 104 | 126 | 133 | 136 | 114 |
100: 117 | 133 | 127 | 132 | 115 | 132 | 120 | 107 | 109 | 123 |
110: 143 | 120 | 129 | 131 | 122 | 146 | 143 | 144 | 163 | 145 |
120: 148 | 152 | 192 | 151 | 134 | 159 | 163 | 162 | 157 | 163 |
130: 160 | 150 | 163 | 148 | 140 | 150 | 140 | 166 | 138 | 157 |
140: 139 | 144 | 158 | 153 | 144 | 139 | 157 | 130 | 148 | 134 |
150: 148 | 128 | 130 | 145 | 147 | 147 | 138 | 126 | 137 | 136 |
160: 133 | 114 | 146 | 131 | 127 | 138 | 133 | 131 | 119 | 98 |
170: 121 | 121 | 115 | 131 | 102 | 119 | 137 | 101 | 134 | 128 |
180: 116 | 121 | 125 | 104 | 116 | 114 | 121 | 134 | 130 | 109 |
190: 106 | 129 | 110 | 100 | 96 | 108 | 131 | 103 | 99 | 100 |
200: 114 | 114 | 108 | 96 | 103 | 106 | 114 | 119 | 106 | 110 |
210: 108 | 101 | 110 | 97 | 110 | 94 | 112 | 108 | 80 | 86 |
220: 105 | 117 | 107 | 119 | 100 | 96 | 112 | 84 | 115 | 85 |
230: 105 | 102 | 114 | 104 | 100 | 109 | 84 | 103 | 100 | 114 |
240: 98 | 107 | 95 | 96 | 85 | 103 | 107 | 90 | 118 | 109 |
250: 101 | 99 | 107 | 98 | 94 | 98 | 96 | 102 | 98 | 91 |
260: 107 | 113 | 92 | 115 | 113 | 105 | 117 | 104 | 101 | 104 |
270: 109 | 125 | 88 | 88 | 82 | 123 | 96 | 113 | 110 | 114 |
280: 94 | 113 | 100 | 114 | 90 | 87 | 72 | 87 | 70 | 71 |
290: 66 | 89 | 63 | 76 | 61 | 68 | 54 | 60 | 49 | 50 |
300: 38 | 34 | 37 | 42 | 33 | 25 | 30 | 26 | 31 | 22 |
310: 21 | 29 | 29 | 35 | 21 | 40 | 30 | 21 | 24 | 17 |
320: 22 | 27 | 21 | 18 | 22 | 14 | 20 | 18 | 19 | 16 |
330: 20 | 13 | 14 | 5 | 16 | 13 | 13 | 19 | 12 | 11 |
340: 12 | 10 | 13 | 7 | 14 | 10 | 10 | 4 | 17 | 11 |
350: 8 | 17 | 10 | 9 | 12 | 5 | 9 | 10 | 5 | 16 |
360: 14 | 9 | 10 | 8 | 10 | 8 | 10 | 12 | 11 | 12 |
370: 12 | 13 | 14 | 19 | 13 | 16 | 21 | 19 | 19 | 25 |
380: 35 | 36 | 39 | 53 | 68 | 61 | 65 | 75 | 94 | 120 |
390: 149 | 145 | 176 | 197 | 177 | 233 | 270 | 272 | 331 | 354 |
400: 398 | 386 | 398 | 447 | 474 | 509 | 491 | 523 | 588 | 510 |
410: 566 | 575 | 546 | 528 | 552 | 519 | 480 | 469 | 431 | 390 |
420: 408 | 407 | 338 | 330 | 303 | 269 | 278 | 213 | 218 | 184 |
430: 156 | 137 | 116 | 112 | 95 | 69 | 56 | 55 | 43 | 41 |
440: 27 | 21 | 16 | 21 | 14 | 9 | 10 | 5 | 3 | 1 |
450: 1 | 4 | 4 | 0 | 1 | 3 | 1 | 2 | 0 | 0 |
460: 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 2 |
470: 1 | 1 | 1 | 0 | 3 | 1 | 3 | 1 | 1 | 1 |
480: 1 | 1 | 4 | 0 | 0 | 3 | 3 | 3 | 0 | 1 |
490: 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 |

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

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1000: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
1010: 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
1020: 0 | 0 | 1 | 1 |
```