EXPERIMENT

Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 10:08:11
End Time: February 07, 2023, 10:09:55

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: 99.38   Real Time: 104.38 Percent Dead: 4.79

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
31	49	341766	328398	37	7
130	145	1903	908	138	5
148	163	2843	2042	153	6
174	190	6386	5892	182	5
191	210	984	713	198	6
848	872	34	34	859	5

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0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 10 |
10: 16 | 9 | 5 | 15 | 20 | 232 | 3120 | 3007 | 1434 | 680 |
20: 478 | 421 | 440 | 417 | 407 | 396 | 374 | 359 | 403 | 387 |
30: 460 | 812 | 2270 | 6921 | 18038 | 34024 | 48272 | 53207 | 49256 | 40120 |
40: 32352 | 25614 | 17291 | 8454 | 3131 | 948 | 371 | 238 | 239 | 208 |
50: 237 | 225 | 219 | 240 | 242 | 211 | 254 | 221 | 202 | 228 |
60: 226 | 202 | 250 | 230 | 228 | 221 | 235 | 251 | 241 | 239 |
70: 280 | 237 | 222 | 245 | 262 | 288 | 313 | 281 | 261 | 264 |
80: 254 | 234 | 247 | 226 | 246 | 261 | 239 | 218 | 258 | 221 |
90: 226 | 251 | 249 | 240 | 234 | 238 | 220 | 245 | 208 | 166 |
100: 215 | 190 | 195 | 151 | 152 | 133 | 133 | 139 | 122 | 151 |
110: 132 | 123 | 119 | 117 | 110 | 108 | 110 | 114 | 114 | 76 |
120: 93 | 94 | 82 | 86 | 61 | 84 | 69 | 51 | 72 | 75 |
130: 64 | 58 | 89 | 68 | 81 | 84 | 132 | 152 | 240 | 265 |
140: 180 | 146 | 111 | 108 | 61 | 64 | 56 | 57 | 49 | 89 |
150: 161 | 280 | 416 | 443 | 430 | 275 | 183 | 178 | 127 | 63 |
160: 43 | 31 | 30 | 45 | 35 | 38 | 30 | 29 | 36 | 31 |
170: 28 | 31 | 40 | 34 | 26 | 22 | 35 | 42 | 92 | 249 |
180: 491 | 859 | 1196 | 1160 | 901 | 534 | 356 | 215 | 127 | 56 |
190: 25 | 15 | 25 | 16 | 35 | 68 | 92 | 144 | 156 | 126 |
200: 91 | 76 | 43 | 39 | 8 | 9 | 11 | 14 | 4 | 6 |
210: 6 | 9 | 7 | 7 | 14 | 6 | 9 | 3 | 8 | 1 |
220: 6 | 5 | 8 | 5 | 3 | 7 | 10 | 4 | 5 | 10 |
230: 4 | 3 | 10 | 7 | 3 | 5 | 6 | 3 | 10 | 3 |
240: 4 | 8 | 6 | 8 | 2 | 5 | 4 | 3 | 6 | 6 |
250: 4 | 6 | 4 | 4 | 2 | 6 | 6 | 3 | 4 | 6 |
260: 8 | 7 | 2 | 6 | 2 | 6 | 10 | 8 | 8 | 6 |
270: 4 | 3 | 4 | 6 | 5 | 2 | 2 | 3 | 3 | 2 |
280: 1 | 7 | 4 | 4 | 4 | 5 | 3 | 3 | 3 | 1 |
290: 4 | 3 | 2 | 6 | 2 | 2 | 5 | 6 | 1 | 1 |
300: 3 | 3 | 3 | 6 | 1 | 3 | 5 | 3 | 1 | 5 |
310: 0 | 2 | 2 | 9 | 7 | 7 | 4 | 3 | 1 | 3 |
320: 3 | 9 | 6 | 1 | 2 | 2 | 1 | 3 | 5 | 4 |
330: 7 | 6 | 2 | 5 | 2 | 5 | 3 | 2 | 1 | 2 |
340: 2 | 3 | 4 | 2 | 2 | 2 | 0 | 1 | 2 | 0 |
350: 2 | 1 | 1 | 3 | 4 | 1 | 4 | 1 | 2 | 5 |
360: 6 | 4 | 3 | 2 | 3 | 1 | 3 | 4 | 2 | 2 |
370: 2 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 1 | 4 |
380: 2 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 2 | 3 |
390: 1 | 3 | 3 | 3 | 1 | 3 | 2 | 5 | 2 | 3 |
400: 1 | 0 | 3 | 1 | 1 | 2 | 2 | 1 | 4 | 0 |
410: 0 | 2 | 2 | 2 | 4 | 2 | 2 | 3 | 6 | 2 |
420: 0 | 2 | 2 | 1 | 1 | 2 | 4 | 2 | 2 | 1 |
430: 3 | 2 | 2 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
440: 4 | 1 | 3 | 3 | 1 | 4 | 4 | 0 | 2 | 2 |
450: 0 | 3 | 2 | 4 | 1 | 0 | 2 | 0 | 1 | 5 |
460: 2 | 1 | 2 | 1 | 4 | 1 | 3 | 4 | 2 | 3 |
470: 2 | 6 | 0 | 0 | 1 | 2 | 4 | 0 | 2 | 4 |
480: 3 | 1 | 1 | 0 | 2 | 1 | 4 | 4 | 1 | 1 |
490: 2 | 0 | 3 | 0 | 1 | 5 | 0 | 2 | 3 | 0 |
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500: 1 | 4 | 1 | 1 | 0 | 1 | 1 | 4 | 2 | 1 |
510: 2 | 3 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 3 |
520: 1 | 0 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 4 |
530: 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 0 |
540: 2 | 4 | 4 | 1 | 1 | 3 | 1 | 3 | 0 | 0 |
550: 0 | 3 | 2 | 3 | 1 | 1 | 1 | 0 | 3 | 2 |
560: 2 | 3 | 2 | 2 | 1 | 0 | 1 | 1 | 3 | 1 |
570: 6 | 1 | 2 | 3 | 1 | 1 | 4 | 3 | 1 | 0 |
580: 0 | 3 | 4 | 2 | 3 | 2 | 1 | 1 | 0 | 2 |
590: 0 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 0 |
600: 3 | 1 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 1 |
610: 2 | 3 | 2 | 4 | 3 | 3 | 1 | 1 | 4 | 1 |
620: 0 | 0 | 1 | 3 | 3 | 2 | 0 | 4 | 1 | 1 |
630: 2 | 1 | 2 | 3 | 5 | 0 | 3 | 4 | 2 | 1 |
640: 0 | 1 | 2 | 2 | 2 | 0 | 3 | 6 | 3 | 4 |
650: 1 | 2 | 3 | 2 | 1 | 1 | 0 | 3 | 0 | 2 |
660: 1 | 0 | 4 | 0 | 4 | 2 | 1 | 3 | 0 | 0 |
670: 2 | 3 | 3 | 2 | 3 | 1 | 2 | 0 | 2 | 4 |
680: 1 | 2 | 0 | 2 | 2 | 3 | 0 | 2 | 5 | 1 |
690: 1 | 1 | 1 | 1 | 3 | 2 | 1 | 4 | 2 | 2 |
700: 2 | 3 | 1 | 2 | 5 | 3 | 0 | 3 | 1 | 3 |
710: 1 | 2 | 3 | 0 | 1 | 3 | 0 | 4 | 2 | 3 |
720: 1 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 3 |
730: 2 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
740: 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
750: 1 | 1 | 2 | 2 | 0 | 2 | 1 | 0 | 1 | 1 |
760: 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
770: 3 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 2 |
780: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
790: 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
800: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
810: 1 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 |
820: 2 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
830: 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
840: 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
850: 1 | 0 | 0 | 3 | 0 | 1 | 1 | 2 | 6 | 2 |
860: 5 | 1 | 4 | 1 | 3 | 0 | 2 | 0 | 0 | 2 |
870: 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
880: 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
890: 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
900: 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
910: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
930: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
940: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
950: 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
960: 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
970: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
980: 0 | 1 | 0 | 0 | 1 | 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 | 1 | 0 | 0 | 0 |
1010: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
1020: 0 | 0 | 0 | 0 |
```