EXPERIMENT
Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 07:55:19
End Time: February 07, 2023, 07:55:39

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: 59.33 Real Time: 60.61	Percent Dead: 2.11

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
18	30	10062	7447	22	4
41	57	5780	1078	48	8
375	454	34939	33578	410	30

```
0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 328 |
20: 2262 | 1993 | 1435 | 1076 | 723 | 543 | 415 | 350 | 327 | 285 |
30: 322 | 272 | 313 | 282 | 269 | 279 | 251 | 278 | 220 | 280 |
40: 267 | 313 | 296 | 330 | 354 | 401 | 402 | 399 | 407 | 379 |
50: 395 | 323 | 332 | 314 | 301 | 282 | 282 | 270 | 236 | 248 |
60: 241 | 248 | 236 | 244 | 222 | 217 | 227 | 215 | 217 | 229 |
70: 254 | 215 | 216 | 223 | 259 | 217 | 233 | 216 | 240 | 265 |
80: 245 | 240 | 221 | 214 | 220 | 225 | 247 | 240 | 244 | 214 |
90: 216 | 219 | 245 | 256 | 218 | 227 | 260 | 232 | 252 | 239 |
100: 224 | 248 | 236 | 254 | 244 | 247 | 245 | 255 | 232 | 247 |
110: 267 | 260 | 254 | 290 | 265 | 299 | 298 | 315 | 323 | 315 |
120: 337 | 320 | 324 | 338 | 338 | 300 | 332 | 354 | 342 | 316 |
130: 330 | 302 | 282 | 302 | 326 | 311 | 302 | 318 | 298 | 318 |
140: 313 | 305 | 270 | 260 | 281 | 320 | 320 | 294 | 304 | 293 |
150: 273 | 264 | 273 | 267 | 283 | 268 | 283 | 256 | 261 | 281 |
160: 293 | 272 | 272 | 250 | 281 | 228 | 258 | 260 | 260 | 232 |
170: 228 | 220 | 244 | 251 | 251 | 236 | 237 | 249 | 252 | 275 |
180: 231 | 263 | 236 | 232 | 236 | 250 | 260 | 248 | 232 | 228 |
190: 209 | 212 | 197 | 217 | 256 | 232 | 208 | 240 | 216 | 235 |
200: 195 | 225 | 203 | 216 | 212 | 238 | 224 | 204 | 200 | 224 |
210: 266 | 211 | 227 | 208 | 217 | 223 | 228 | 224 | 237 | 187 |
220: 196 | 189 | 207 | 209 | 189 | 185 | 206 | 190 | 229 | 213 |
230: 213 | 215 | 221 | 221 | 205 | 182 | 199 | 206 | 204 | 202 |
240: 194 | 216 | 194 | 220 | 220 | 208 | 234 | 214 | 200 | 204 |
250: 225 | 210 | 221 | 201 | 202 | 215 | 234 | 222 | 196 | 234 |
260: 203 | 201 | 256 | 213 | 229 | 227 | 216 | 207 | 215 | 240 |
270: 210 | 235 | 217 | 212 | 224 | 211 | 223 | 216 | 233 | 198 |
280: 197 | 197 | 203 | 195 | 201 | 190 | 168 | 176 | 181 | 163 |
290: 138 | 143 | 150 | 137 | 135 | 114 | 105 | 99 | 107 | 97 |
300: 100 | 98 | 79 | 71 | 86 | 69 | 73 | 68 | 55 | 54 |
310: 65 | 54 | 58 | 37 | 44 | 51 | 47 | 54 | 38 | 42 |
320: 40 | 43 | 39 | 46 | 37 | 44 | 32 | 39 | 42 | 39 |
330: 25 | 29 | 41 | 22 | 23 | 29 | 27 | 30 | 28 | 33 |
340: 27 | 34 | 20 | 17 | 17 | 31 | 30 | 27 | 23 | 28 |
350: 25 | 10 | 25 | 20 | 22 | 27 | 18 | 19 | 20 | 23 |
360: 14 | 17 | 16 | 24 | 13 | 20 | 26 | 27 | 22 | 24 |
370: 21 | 17 | 25 | 29 | 27 | 34 | 36 | 39 | 44 | 73 |
380: 66 | 75 | 87 | 93 | 111 | 139 | 149 | 173 | 195 | 235 |
390: 264 | 281 | 336 | 352 | 423 | 472 | 494 | 591 | 638 | 664 |
400: 739 | 798 | 906 | 920 | 987 | 970 | 981 | 1030 | 1149 | 1085 |
410: 1093 | 1167 | 1130 | 1144 | 1134 | 1047 | 1130 | 1092 | 968 | 972 |
420: 884 | 807 | 795 | 702 | 626 | 582 | 540 | 470 | 447 | 382 |
430: 309 | 293 | 306 | 198 | 212 | 148 | 129 | 111 | 99 | 75 |
440: 60 | 56 | 50 | 32 | 28 | 27 | 18 | 11 | 9 | 4 |
450: 7 | 5 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 2 |
460: 3 | 2 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 2 |
470: 1 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 3 | 7 |
480: 0 | 0 | 1 | 1 | 2 | 2 | 2 | 0 | 3 | 0 |
490: 2 | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 2 |
```

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500: 1 | 2 | 2 | 0 | 0 | 2 | 3 | 0 | 2 | 1 |
510: 3 | 0 | 1 | 3 | 3 | 2 | 1 | 2 | 4 | 0 |
520: 0 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 |
530: 0 | 1 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 2 |
540: 2 | 3 | 0 | 1 | 0 | 1 | 3 | 0 | 1 | 0 |
550: 1 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 1 | 1 |
560: 0 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 2 | 0 |
570: 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 1 |
580: 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 |
590: 2 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 |
600: 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
610: 0 | 3 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 0 |
620: 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
630: 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 1 |
640: 1 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 1 | 0 |
650: 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
660: 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
670: 1 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 0 | 0 |
680: 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
690: 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 |
700: 0 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
710: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
720: 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
730: 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
740: 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
750: 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
760: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
770: 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 |
780: 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
790: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
800: 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
810: 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 |
820: 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 |
830: 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
840: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
850: 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
860: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
870: 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
880: 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
890: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
900: 0 | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 0 | 0 |
910: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
930: 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
940: 0 | 0 | 0 | 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: 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
980: 0 | 0 | 0 | 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 |
1010: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
1020: 0 | 0 | 0 | 0 |
```