



EXPERIMENT

Spectrum Name:
 Description:
 Student ID:
 Detector:
 Comments:
 Start Time: February 07, 2023, 08:01:03
 End Time: February 07, 2023, 08:02:07

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: 60.55 Real Time: 64.05	Percent Dead: 5.46

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
13	26	53128	44538	21	4
30	35	8803	730	32	--
47	61	65275	38754	52	7
65	83	12568	4330	74	9
160	203	24061	9651	184	19
205	261	53501	36172	227	22
264	315	3335	266	280	14

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 3 | 8 | 13 | 11 | 17 | 12 | 9 | 18 | 68 | 3464 |
20: 16735 | 12901 | 8828 | 5329 | 3032 | 1635 | 1069 | 942 | 1006 | 1053 |
30: 1267 | 1485 | 1598 | 1503 | 1553 | 1397 | 1320 | 1411 | 1609 | 1846 |
40: 1996 | 1975 | 1943 | 1916 | 1927 | 1954 | 2364 | 2824 | 3813 | 5089 |
50: 6637 | 7746 | 8480 | 8045 | 7073 | 5337 | 3931 | 2545 | 1601 | 999 |
60: 655 | 500 | 457 | 446 | 436 | 473 | 435 | 493 | 509 | 587 |
70: 636 | 719 | 895 | 937 | 957 | 914 | 925 | 821 | 752 | 637 |
80: 510 | 485 | 464 | 419 | 378 | 370 | 384 | 341 | 393 | 437 |
90: 454 | 407 | 418 | 439 | 457 | 446 | 494 | 543 | 485 | 500 |
100: 523 | 526 | 484 | 564 | 533 | 546 | 531 | 516 | 487 | 484 |
110: 499 | 443 | 473 | 395 | 447 | 399 | 407 | 421 | 434 | 415 |
120: 395 | 396 | 400 | 371 | 381 | 349 | 362 | 330 | 293 | 328 |
130: 308 | 309 | 325 | 302 | 269 | 263 | 268 | 320 | 251 | 261 |
140: 257 | 288 | 248 | 216 | 207 | 237 | 227 | 218 | 217 | 210 |
150: 214 | 174 | 163 | 150 | 185 | 176 | 187 | 188 | 168 | 199 |
160: 205 | 202 | 230 | 255 | 260 | 321 | 320 | 352 | 389 | 380 |
170: 403 | 456 | 462 | 464 | 493 | 517 | 495 | 534 | 537 | 593 |
180: 578 | 669 | 677 | 679 | 741 | 745 | 784 | 786 | 821 | 843 |
190: 809 | 835 | 766 | 801 | 717 | 705 | 651 | 621 | 604 | 524 |
200: 515 | 441 | 439 | 442 | 482 | 451 | 490 | 522 | 643 | 706 |
210: 806 | 852 | 977 | 1086 | 1329 | 1438 | 1466 | 1560 | 1735 | 1742 |
220: 1862 | 1893 | 1901 | 1939 | 1950 | 1859 | 1823 | 1695 | 1652 | 1626 |
230: 1483 | 1386 | 1276 | 1169 | 1093 | 985 | 862 | 840 | 777 | 769 |
240: 715 | 661 | 632 | 593 | 602 | 576 | 549 | 527 | 502 | 439 |
250: 433 | 365 | 333 | 311 | 290 | 277 | 223 | 202 | 186 | 185 |
260: 136 | 121 | 150 | 113 | 125 | 106 | 105 | 103 | 125 | 106 |
270: 93 | 105 | 123 | 98 | 96 | 127 | 115 | 124 | 120 | 112 |
280: 115 | 116 | 103 | 99 | 95 | 99 | 82 | 87 | 72 | 66 |
290: 66 | 61 | 58 | 46 | 45 | 39 | 39 | 24 | 25 | 23 |
300: 16 | 21 | 20 | 13 | 15 | 10 | 13 | 15 | 8 | 17 |
310: 6 | 7 | 15 | 4 | 2 | 10 | 5 | 11 | 4 | 16 |
320: 4 | 5 | 3 | 5 | 5 | 4 | 1 | 7 | 5 | 5 |
330: 4 | 2 | 1 | 1 | 3 | 1 | 1 | 3 | 3 | 1 |
340: 4 | 2 | 2 | 3 | 3 | 4 | 2 | 0 | 2 | 2 |
350: 1 | 2 | 2 | 2 | 3 | 3 | 1 | 0 | 6 | 3 |
360: 5 | 3 | 3 | 4 | 2 | 1 | 2 | 4 | 2 | 3 |
370: 1 | 4 | 2 | 5 | 1 | 2 | 1 | 1 | 2 | 2 |
380: 3 | 3 | 1 | 2 | 2 | 2 | 3 | 3 | 0 | 2 |
390: 2 | 0 | 2 | 1 | 3 | 0 | 2 | 2 | 2 | 2 |
400: 6 | 1 | 1 | 1 | 0 | 2 | 5 | 0 | 1 | 0 |
410: 1 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 3 |
420: 1 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 3 | 1 |
430: 5 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 2 |
440: 1 | 1 | 3 | 1 | 3 | 1 | 0 | 1 | 2 | 3 |
450: 3 | 2 | 0 | 1 | 3 | 1 | 2 | 3 | 1 | 3 |
460: 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
470: 0 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
480: 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
490: 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 |

500: 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
510: 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 1 |
520: 0 | 0 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 |
530: 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
540: 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 2 |
550: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
560: 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
570: 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
580: 0 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 1 | 1 |
590: 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 |
600: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
610: 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
620: 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
630: 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
640: 2 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 |
650: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
660: 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 |
670: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
680: 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
690: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
700: 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
710: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
720: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
730: 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
740: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
750: 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
760: 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
770: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
780: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
790: 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
800: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
810: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
820: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
830: 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
840: 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
850: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
860: 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
870: 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 |
880: 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
890: 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
900: 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
910: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
930: 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
940: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
950: 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
960: 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
970: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
980: 0 | 0 | 0 | 0 | 0 | 1 | 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 | 1 |
1010: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
1020: 0 | 0 | 0 | 0 |
```