



EXPERIMENT

Spectrum Name:
 Description:
 Student ID:
 Detector:
 Comments:
 Start Time: February 07, 2023, 08:29:25
 End Time: February 07, 2023, 08:31:01

SET UP

Acquisition Mode: PHA Direct In High Voltage: 0
 Conversion Gain: 1024 Coarse Gain: 1 Fine Gain: 1.00
 Upper Discriminator: 1048 Channels Lower Discriminator: 14 Channels
 Live Time: 94.63 Real Time: 95.63 Percent Dead: 1.04

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
20	30	4049	603	24	--
194	201	1952	112	197	3
299	308	11655	10324	305	3
394	400	278	75	397	--
618	636	941	132	627	6
765	774	2265	2209	768	4
880	884	64	34	882	2

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 0 | 0 | 0 | 3 | 1 | 1 | 3 | 10 | 199 |
20: 426 | 429 | 440 | 377 | 401 | 388 | 369 | 349 | 284 | 328 |
30: 258 | 243 | 211 | 244 | 234 | 213 | 236 | 232 | 220 | 224 |
40: 260 | 241 | 241 | 258 | 231 | 231 | 253 | 218 | 236 | 226 |
50: 223 | 214 | 220 | 216 | 242 | 224 | 229 | 240 | 235 | 242 |
60: 252 | 226 | 248 | 222 | 241 | 232 | 208 | 216 | 252 | 199 |
70: 218 | 234 | 222 | 227 | 223 | 199 | 212 | 208 | 215 | 253 |
80: 230 | 229 | 244 | 231 | 196 | 208 | 233 | 240 | 225 | 210 |
90: 222 | 215 | 217 | 211 | 238 | 197 | 235 | 250 | 201 | 263 |
100: 255 | 240 | 246 | 226 | 238 | 238 | 245 | 248 | 240 | 253 |
110: 251 | 262 | 248 | 253 | 238 | 285 | 244 | 237 | 243 | 235 |
120: 233 | 227 | 225 | 212 | 242 | 257 | 231 | 248 | 210 | 249 |
130: 214 | 196 | 236 | 202 | 202 | 223 | 227 | 191 | 215 | 259 |
140: 203 | 217 | 211 | 202 | 226 | 211 | 217 | 238 | 211 | 238 |
150: 216 | 225 | 196 | 195 | 246 | 206 | 216 | 237 | 208 | 193 |
160: 232 | 231 | 208 | 207 | 226 | 205 | 207 | 228 | 216 | 191 |
170: 214 | 213 | 211 | 217 | 220 | 203 | 191 | 218 | 249 | 234 |
180: 232 | 225 | 216 | 220 | 213 | 233 | 243 | 195 | 230 | 225 |
190: 222 | 259 | 234 | 258 | 267 | 249 | 268 | 226 | 266 | 256 |
200: 213 | 207 | 187 | 168 | 141 | 149 | 157 | 136 | 141 | 135 |
210: 121 | 144 | 124 | 116 | 122 | 108 | 126 | 99 | 101 | 106 |
220: 113 | 75 | 123 | 84 | 114 | 95 | 111 | 102 | 91 | 108 |
230: 86 | 71 | 73 | 84 | 69 | 64 | 77 | 65 | 71 | 60 |
240: 52 | 77 | 69 | 60 | 48 | 52 | 56 | 59 | 59 | 65 |
250: 57 | 59 | 62 | 48 | 62 | 57 | 43 | 51 | 51 | 53 |
260: 57 | 47 | 51 | 60 | 40 | 58 | 63 | 51 | 51 | 55 |
270: 60 | 67 | 48 | 45 | 47 | 38 | 63 | 47 | 50 | 47 |
280: 53 | 48 | 42 | 39 | 42 | 59 | 48 | 57 | 54 | 45 |
290: 49 | 57 | 56 | 52 | 61 | 53 | 47 | 41 | 57 | 48 |
300: 55 | 60 | 82 | 263 | 1953 | 5258 | 3331 | 547 | 58 | 38 |
310: 34 | 34 | 27 | 32 | 29 | 30 | 27 | 30 | 25 | 17 |
320: 23 | 25 | 20 | 23 | 31 | 28 | 26 | 33 | 30 | 23 |
330: 24 | 25 | 25 | 28 | 30 | 28 | 20 | 30 | 22 | 17 |
340: 27 | 22 | 33 | 21 | 34 | 26 | 28 | 18 | 29 | 19 |
350: 30 | 18 | 26 | 26 | 20 | 27 | 20 | 15 | 22 | 31 |
360: 28 | 29 | 22 | 19 | 25 | 22 | 37 | 32 | 15 | 26 |
370: 23 | 27 | 30 | 32 | 23 | 23 | 25 | 30 | 36 | 28 |
380: 23 | 28 | 27 | 25 | 23 | 14 | 28 | 29 | 24 | 27 |
390: 28 | 32 | 25 | 23 | 23 | 23 | 26 | 38 | 89 | 56 |
400: 23 | 26 | 15 | 32 | 18 | 24 | 21 | 22 | 37 | 16 |
410: 34 | 26 | 21 | 28 | 28 | 24 | 28 | 18 | 17 | 27 |
420: 22 | 28 | 23 | 21 | 28 | 24 | 32 | 27 | 24 | 20 |
430: 17 | 25 | 25 | 30 | 19 | 18 | 27 | 24 | 25 | 24 |
440: 18 | 27 | 28 | 38 | 30 | 29 | 14 | 27 | 31 | 21 |
450: 27 | 23 | 29 | 24 | 28 | 31 | 28 | 19 | 18 | 23 |
460: 26 | 39 | 29 | 32 | 19 | 29 | 24 | 21 | 21 | 31 |
470: 24 | 32 | 17 | 26 | 32 | 41 | 26 | 23 | 23 | 29 |
480: 25 | 23 | 26 | 15 | 32 | 26 | 26 | 33 | 29 | 27 |
490: 26 | 31 | 23 | 36 | 21 | 22 | 27 | 29 | 19 | 32 |

500: 32 | 30 | 34 | 21 | 24 | 26 | 29 | 25 | 27 | 28 |
510: 37 | 37 | 25 | 39 | 21 | 39 | 25 | 30 | 23 | 32 |
520: 26 | 28 | 30 | 32 | 41 | 23 | 26 | 46 | 28 | 22 |
530: 31 | 34 | 19 | 29 | 36 | 34 | 32 | 33 | 44 | 27 |
540: 31 | 35 | 37 | 35 | 35 | 24 | 39 | 30 | 32 | 37 |
550: 32 | 40 | 26 | 38 | 23 | 29 | 26 | 30 | 32 | 39 |
560: 36 | 27 | 35 | 36 | 32 | 40 | 23 | 31 | 24 | 36 |
570: 39 | 32 | 45 | 44 | 31 | 33 | 32 | 31 | 33 | 31 |
580: 35 | 30 | 45 | 38 | 45 | 36 | 33 | 33 | 39 | 42 |
590: 26 | 32 | 42 | 33 | 36 | 33 | 37 | 42 | 32 | 38 |
600: 45 | 38 | 40 | 35 | 44 | 28 | 51 | 53 | 44 | 42 |
610: 51 | 38 | 42 | 45 | 36 | 41 | 50 | 41 | 46 | 38 |
620: 43 | 44 | 46 | 51 | 54 | 54 | 56 | 62 | 48 | 60 |
630: 44 | 60 | 58 | 48 | 46 | 43 | 40 | 52 | 54 | 45 |
640: 28 | 35 | 33 | 34 | 20 | 22 | 23 | 31 | 34 | 29 |
650: 26 | 27 | 35 | 28 | 28 | 28 | 37 | 30 | 24 | 34 |
660: 16 | 21 | 22 | 26 | 23 | 23 | 22 | 25 | 19 | 36 |
670: 19 | 28 | 20 | 20 | 18 | 15 | 24 | 13 | 15 | 28 |
680: 28 | 15 | 23 | 13 | 17 | 19 | 13 | 15 | 17 | 12 |
690: 18 | 14 | 19 | 16 | 23 | 14 | 15 | 10 | 14 | 14 |
700: 7 | 8 | 14 | 9 | 13 | 10 | 13 | 15 | 10 | 13 |
710: 15 | 14 | 9 | 14 | 9 | 8 | 8 | 7 | 4 | 12 |
720: 10 | 8 | 9 | 12 | 8 | 13 | 6 | 6 | 5 | 10 |
730: 11 | 8 | 8 | 6 | 9 | 5 | 10 | 11 | 8 | 9 |
740: 9 | 5 | 10 | 4 | 9 | 9 | 4 | 8 | 7 | 6 |
750: 8 | 3 | 9 | 9 | 1 | 5 | 8 | 6 | 4 | 7 |
760: 7 | 5 | 11 | 3 | 5 | 6 | 11 | 75 | 500 | 1207 |
770: 435 | 17 | 7 | 3 | 4 | 8 | 3 | 6 | 6 | 4 |
780: 10 | 8 | 5 | 7 | 3 | 4 | 2 | 7 | 5 | 2 |
790: 4 | 2 | 4 | 5 | 4 | 6 | 4 | 6 | 3 | 4 |
800: 5 | 6 | 1 | 5 | 7 | 7 | 2 | 6 | 3 | 3 |
810: 5 | 0 | 4 | 5 | 3 | 2 | 4 | 7 | 1 | 3 |
820: 8 | 1 | 2 | 4 | 4 | 8 | 3 | 4 | 2 | 6 |
830: 5 | 6 | 6 | 2 | 4 | 5 | 1 | 4 | 3 | 4 |
840: 4 | 8 | 4 | 2 | 2 | 3 | 1 | 6 | 2 | 4 |
850: 1 | 1 | 6 | 1 | 4 | 5 | 4 | 3 | 1 | 3 |
860: 4 | 3 | 5 | 3 | 2 | 1 | 1 | 5 | 2 | 5 |
870: 2 | 4 | 3 | 4 | 1 | 1 | 1 | 3 | 2 | 1 |
880: 4 | 9 | 31 | 14 | 6 | 4 | 3 | 3 | 2 | 1 |
890: 0 | 4 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 3 |
900: 0 | 6 | 3 | 2 | 1 | 1 | 2 | 3 | 0 | 2 |
910: 2 | 2 | 4 | 3 | 3 | 7 | 1 | 2 | 3 | 4 |
920: 4 | 1 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 |
930: 3 | 4 | 3 | 4 | 3 | 3 | 1 | 3 | 2 | 0 |
940: 0 | 1 | 1 | 1 | 4 | 2 | 2 | 2 | 3 | 1 |
950: 2 | 1 | 1 | 2 | 3 | 2 | 3 | 0 | 1 | 2 |
960: 0 | 2 | 2 | 3 | 1 | 1 | 2 | 3 | 1 | 0 |
970: 2 | 1 | 3 | 1 | 2 | 2 | 2 | 1 | 0 | 3 |
980: 2 | 2 | 0 | 1 | 2 | 2 | 3 | 0 | 1 | 0 |
990: 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |

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