



EXPERIMENT

Spectrum Name:
Description:
Student ID:
Detector:
Comments:
Start Time: February 07, 2023, 08:37:15
End Time: February 07, 2023, 08:38:48

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: 91.95 Real Time: 92.91	Percent Dead: 1.03

REGIONS OF INTEREST: Not Calibrated

ROI Start	ROI End	Gross	Net	Centroid	FWHM
20	32	3175	821	26	8
35	41	2043	153	38	--
42	48	1903	134	45	--
274	285	2917	234	279	--
391	403	13418	13265	398	3
881	886	39	9	882	--

0: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
10: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 93 |
20: 164 | 192 | 252 | 266 | 265 | 297 | 288 | 269 | 278 | 255 |
30: 231 | 218 | 200 | 224 | 238 | 229 | 246 | 258 | 323 | 345 |
40: 390 | 252 | 267 | 237 | 285 | 307 | 306 | 279 | 222 | 263 |
50: 244 | 249 | 259 | 233 | 230 | 254 | 231 | 214 | 239 | 223 |
60: 226 | 235 | 245 | 217 | 257 | 266 | 204 | 265 | 231 | 222 |
70: 264 | 247 | 240 | 226 | 252 | 246 | 227 | 240 | 214 | 225 |
80: 235 | 242 | 220 | 226 | 243 | 245 | 209 | 222 | 214 | 220 |
90: 207 | 223 | 219 | 232 | 215 | 200 | 193 | 207 | 249 | 230 |
100: 239 | 233 | 220 | 232 | 231 | 243 | 251 | 259 | 260 | 265 |
110: 254 | 233 | 226 | 291 | 243 | 253 | 267 | 248 | 281 | 244 |
120: 266 | 252 | 267 | 279 | 242 | 271 | 261 | 243 | 267 | 248 |
130: 258 | 232 | 267 | 257 | 254 | 247 | 251 | 235 | 216 | 235 |
140: 229 | 244 | 232 | 228 | 198 | 225 | 223 | 217 | 220 | 248 |
150: 201 | 213 | 201 | 202 | 183 | 200 | 221 | 187 | 185 | 195 |
160: 211 | 188 | 187 | 193 | 196 | 192 | 192 | 171 | 163 | 181 |
170: 183 | 183 | 178 | 198 | 191 | 196 | 181 | 174 | 198 | 178 |
180: 182 | 181 | 195 | 181 | 160 | 174 | 186 | 175 | 183 | 157 |
190: 162 | 149 | 181 | 167 | 165 | 161 | 167 | 164 | 166 | 183 |
200: 178 | 154 | 159 | 176 | 173 | 141 | 156 | 151 | 158 | 175 |
210: 209 | 188 | 190 | 163 | 208 | 168 | 190 | 164 | 173 | 154 |
220: 175 | 175 | 177 | 210 | 180 | 171 | 171 | 177 | 196 | 186 |
230: 205 | 161 | 176 | 175 | 181 | 185 | 196 | 188 | 173 | 188 |
240: 198 | 200 | 200 | 208 | 205 | 197 | 197 | 198 | 195 | 186 |
250: 208 | 217 | 203 | 201 | 217 | 207 | 188 | 226 | 219 | 239 |
260: 219 | 254 | 206 | 232 | 229 | 226 | 258 | 261 | 218 | 246 |
270: 232 | 244 | 274 | 265 | 238 | 259 | 265 | 235 | 239 | 272 |
280: 240 | 260 | 254 | 236 | 231 | 188 | 164 | 194 | 135 | 140 |
290: 138 | 127 | 137 | 126 | 117 | 131 | 104 | 89 | 118 | 97 |
300: 106 | 112 | 82 | 110 | 107 | 105 | 105 | 95 | 100 | 89 |
310: 98 | 74 | 62 | 74 | 89 | 70 | 86 | 68 | 66 | 71 |
320: 69 | 67 | 65 | 59 | 61 | 53 | 62 | 44 | 37 | 45 |
330: 37 | 34 | 55 | 38 | 28 | 44 | 37 | 37 | 30 | 26 |
340: 35 | 35 | 30 | 33 | 37 | 26 | 22 | 26 | 23 | 32 |
350: 40 | 29 | 31 | 23 | 29 | 20 | 19 | 19 | 21 | 22 |
360: 31 | 37 | 24 | 20 | 26 | 25 | 42 | 29 | 21 | 27 |
370: 20 | 20 | 22 | 26 | 17 | 28 | 18 | 20 | 27 | 18 |
380: 21 | 17 | 24 | 19 | 25 | 16 | 15 | 23 | 14 | 25 |
390: 21 | 21 | 22 | 15 | 32 | 26 | 70 | 913 | 7665 | 4540 |
400: 102 | 4 | 6 | 2 | 1 | 6 | 4 | 1 | 0 | 2 |
410: 4 | 1 | 2 | 5 | 4 | 1 | 1 | 2 | 2 | 4 |
420: 3 | 5 | 6 | 3 | 4 | 1 | 3 | 1 | 3 | 5 |
430: 3 | 2 | 4 | 2 | 4 | 4 | 1 | 2 | 1 | 3 |
440: 1 | 3 | 2 | 2 | 2 | 5 | 3 | 4 | 1 | 4 |
450: 1 | 3 | 1 | 2 | 0 | 3 | 3 | 3 | 0 | 4 |
460: 0 | 3 | 3 | 3 | 7 | 1 | 6 | 1 | 0 | 0 |
470: 2 | 0 | 2 | 1 | 5 | 1 | 2 | 1 | 2 | 2 |
480: 2 | 6 | 1 | 1 | 1 | 3 | 2 | 1 | 5 | 0 |
490: 1 | 3 | 0 | 2 | 3 | 4 | 2 | 1 | 2 | 2 |

500: 2 | 4 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 0 |
510: 3 | 1 | 0 | 2 | 4 | 2 | 1 | 1 | 5 | 2 |
520: 3 | 2 | 1 | 3 | 2 | 4 | 4 | 2 | 0 | 3 |
530: 0 | 2 | 3 | 1 | 2 | 2 | 3 | 4 | 1 | 1 |
540: 2 | 1 | 1 | 4 | 0 | 2 | 1 | 1 | 5 | 4 |
550: 2 | 3 | 3 | 3 | 1 | 4 | 2 | 5 | 1 | 0 |
560: 4 | 3 | 0 | 1 | 2 | 2 | 0 | 4 | 1 | 2 |
570: 2 | 1 | 3 | 3 | 2 | 1 | 2 | 2 | 0 | 2 |
580: 4 | 1 | 2 | 1 | 5 | 2 | 1 | 3 | 2 | 4 |
590: 2 | 1 | 2 | 0 | 0 | 4 | 0 | 2 | 1 | 3 |
600: 1 | 1 | 0 | 0 | 1 | 3 | 2 | 3 | 3 | 1 |
610: 0 | 1 | 3 | 2 | 0 | 1 | 1 | 0 | 0 | 0 |
620: 0 | 2 | 3 | 0 | 1 | 0 | 2 | 2 | 1 | 1 |
630: 2 | 1 | 0 | 5 | 3 | 2 | 3 | 0 | 1 | 1 |
640: 3 | 1 | 0 | 2 | 1 | 2 | 2 | 0 | 2 | 2 |
650: 1 | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 1 | 1 |
660: 2 | 1 | 1 | 1 | 1 | 0 | 4 | 0 | 0 | 3 |
670: 1 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 3 | 3 |
680: 1 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 2 | 2 |
690: 1 | 3 | 1 | 1 | 0 | 0 | 1 | 3 | 1 | 2 |
700: 0 | 1 | 0 | 1 | 5 | 1 | 3 | 5 | 8 | 3 |
710: 0 | 2 | 1 | 2 | 1 | 2 | 0 | 0 | 2 | 1 |
720: 0 | 1 | 1 | 2 | 0 | 2 | 2 | 2 | 4 | 1 |
730: 0 | 2 | 1 | 0 | 1 | 2 | 2 | 1 | 1 | 0 |
740: 0 | 1 | 3 | 2 | 0 | 0 | 2 | 1 | 0 | 0 |
750: 0 | 0 | 0 | 2 | 3 | 0 | 3 | 1 | 0 | 1 |
760: 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 4 |
770: 3 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
780: 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 |
790: 3 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 1 |
800: 0 | 0 | 0 | 2 | 6 | 3 | 0 | 0 | 1 | 1 |
810: 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
820: 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
830: 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
840: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
850: 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
860: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
870: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
880: 2 | 8 | 21 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
890: 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
900: 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
910: 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
920: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
930: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
940: 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
950: 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
960: 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
970: 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
980: 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
990: 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |

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