

runlist_pionLT_2022_Eb_6p394

Q²=1.45, W=2.02, LH+, SHMS=17.86deg

| Run Type | Target | EBeam | P_SHMS | Theta_S HMS | Theta_ P_HMS | Theta_ HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S HMS | Raw_Raw Coin | EDTM | SHMS_Hadron_ Tracking | Comments |
|------------|--------|-------|--------|----------------|-----------------|---------------|---------|-----|-----|-----|-------------------|--------------------|--------------------|----------------|---------|--------------|-----------------|------|--------------------------|----------|
| 16245 Prod | LH2 | 6.399 | 2.412 | 17.86 | 3.921 | -13.81 | 37.811 | 13 | 11 | 0 | 77.248 | 292.555 | 1.8 | 31.979 | 52k | 49k | 1247k | 8k | 0.988 | 24997 |
| 16246 Prod | LH2 | 6.399 | 2.412 | 17.86 | 3.921 | -13.81 | 45.824 | 13 | 11 | 0 | 80.136 | 303.433 | 1.893 | 33.828 | 55k | 52k | 1335k | 7k | 0.987 | 26389 |
| 16247 Prod | LH2 | 6.399 | 2.412 | 17.86 | 3.921 | -13.81 | 42.419 | 13 | 11 | 0 | 77.448 | 293.149 | 1.806 | 33.628 | 55k | 52k | 1310k | 8k | 0.988 | 26111 |
| 16249 Prod | LH2 | 6.399 | 2.412 | 17.86 | 3.921 | -13.81 | 44.478 | 13 | 11 | 0 | 80.002 | 302.68 | 1.885 | 34.13 | 56k | 53k | 1344k | 8k | 0.987 | 26687 |

Q²=1.45, W=2.02, LH+, SHMS=19.86deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|-------|--------|--------|----|----|---|--------|---------|-------|--------|-----|-----|-------|-----|-------|-------|
| 16252 Prod | LH2 | 6.399 | 2.412 | 19.86 | 3.921 | -13.81 | 20.437 | 12 | 11 | 0 | 92.189 | 229.036 | 1.745 | 25.084 | 41k | 51k | 797k | 12k | 0.989 | 18867 |
| 16253 Prod | LH2 | 6.399 | 2.412 | 19.86 | 3.921 | -13.81 | 43.992 | 12 | 11 | 0 | 86.428 | 214.677 | 1.605 | 40.834 | 66k | 83k | 1264k | 9k | 0.989 | 30835 |
| 16256 Prod | LH2 | 6.399 | 2.412 | 19.86 | 3.921 | -13.81 | 38.819 | 12 | 11 | 0 | 92.193 | 228.902 | 1.748 | 49.185 | 80k | 99k | 1556k | 13k | 0.989 | 37324 |
| 16257 Prod | LH2 | 6.399 | 2.412 | 19.86 | 3.921 | -13.81 | 51.31 | 12 | 11 | 0 | 91.991 | 228.304 | 1.739 | 47.1 | 77k | 95k | 1485k | 9k | 0.989 | 35737 |

Q²=1.45, W=2.02, LH+, SHMS=21.855deg and FADC Deadline scan

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|-------|--------|-------|--------|--------|----|----|---|---------|---------|-------|--------|------|------|-------|-----|-------|-------|
| 16258 Prod | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 57.752 | 12 | 11 | 0 | 114.393 | 183.895 | 1.845 | 49.633 | 80k | 64k | 1321k | 9k | 0.99 | 31111 |
| 16259 Prod | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 53.527 | 12 | 11 | 0 | 108.479 | 174.338 | 1.719 | 52.811 | 85k | 68k | 1383k | 10k | 0.99 | 33429 |
| 16260 Prod | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 61.836 | 12 | 11 | 0 | 120.309 | 193.293 | 1.958 | 50.727 | 82k | 66k | 1363k | 8k | 0.99 | 31850 |
| 16261 Prod | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 68.904 | 12 | 11 | 0 | 121.201 | 194.73 | 1.973 | 51.931 | 84k | 67k | 1394k | 7k | 0.99 | 32706 |
| 16265 Prod | Dummy10cm | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 29.584 | 12 | 11 | 0 | 21.555 | 31.844 | 0.092 | 30.882 | 17k | 13k | 78k | 10k | 0.995 | 1325 |
| 16266 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 34.812 | 12 | 11 | 0 | 63.647 | 102.323 | 0.636 | 79.803 | 131k | 105k | 1343k | 23k | 0.993 | 82903 |
| 16268 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 18.488 | 10 | 9 | 0 | 32.991 | 53.039 | 0.224 | 36.412 | 241k | 194k | 421k | 20k | 0.995 | 38381 |
| 16269 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 17.714 | 10 | 9 | 0 | 32.576 | 52.342 | 0.221 | 29.039 | 193k | 155k | 336k | 16k | 0.995 | 30713 |
| 16270 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 11.784 | 10 | 9 | 0 | 20.197 | 32.43 | 0.114 | 2.632 | 18k | 14k | 25k | 2k | 0.997 | 2770 |
| 16271 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 10.293 | 9 | 9 | 0 | 20.032 | 32.17 | 0.112 | 33.34 | 224k | 360k | 327k | 33k | 0.995 | 36064 |
| 16272 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 10.315 | 9 | 9 | 0 | 19.955 | 32.039 | 0.111 | 29.021 | 194k | 311k | 281k | 28k | 0.995 | 16272 |
| 16273 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 55.91 | 12 | 11 | 0 | 95.284 | 153.061 | 1.269 | 40.362 | 66k | 53k | 897k | 7k | 0.991 | 41020 |
| 16275 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 53.313 | 12 | 11 | 0 | 93.656 | 150.461 | 1.242 | 46.691 | 76k | 61k | 1034k | 9k | 0.991 | 47639 |
| 16276 FADC | LH2 | 6.399 | 2.412 | 21.855 | 3.921 | -13.81 | 25.551 | 11 | 10 | 0 | 48.274 | 77.487 | 0.404 | 70.498 | 233k | 187k | 1000k | 28k | 0.994 | 73939 |

Heep Coincidences - PART ONE

| | | | | | | | | | | | | | | | | | | | | |
|----------------|-----------|-------|-------|--------|-------|---------|--------|---|---|---|-------|-------|-------|--------|------|------|------|-----|-------|-------|
| 16277 HeePCoin | LH2 | 6.399 | 2.412 | 37.97 | 4.752 | -18.595 | 66.498 | 5 | 3 | 0 | 3.849 | 3.766 | 0.212 | 46.694 | 503k | 145k | 139k | 7k | 0.993 | 0 |
| 16278 HeePCoin | LH2 | 6.399 | 2.412 | 37.97 | 4.752 | -18.595 | 78.626 | 6 | 6 | 0 | 4.214 | 4.14 | 0.23 | 10.197 | 17k | 16k | 30k | 1k | 0.993 | 0 |
| 16279 HeePCoin | Dummy10cm | 6.399 | 2.412 | 37.97 | 4.752 | -18.595 | 35.413 | 5 | 4 | 0 | 0.633 | 1.626 | 0.014 | 12.807 | 24k | 32k | 5k | 4k | 0.994 | 772 |
| 16280 HeePCoin | Dummy10cm | 6.399 | 2.792 | 34.475 | 4.391 | -21.095 | 28.781 | 5 | 4 | 0 | 0.252 | 1.073 | 0.012 | 15.448 | 12k | 26k | 6k | 5k | 0.991 | 398 |
| 16282 HeePCoin | LH2 | 6.399 | 2.792 | 34.475 | 4.391 | -21.095 | 17.711 | 6 | 5 | 0 | 1.527 | 3.028 | 0.107 | 62.057 | 79k | 80k | 120k | 36k | 0.993 | 54668 |
| 16284 HeePCoin | LH2 | 6.399 | 3.493 | 28.46 | 3.727 | -26.545 | 60.397 | 6 | 2 | 0 | 0.254 | 3.373 | 0.034 | 76.281 | 91k | 109k | 39k | 13k | 0.993 | 16657 |
| 16286 HeePCoin | Dummy10cm | 6.399 | 3.493 | 28.46 | 3.727 | -26.545 | 39.338 | 4 | 0 | 0 | 0.055 | 0.913 | 0.01 | 23.063 | 32k | 59k | 6k | 6k | 1 | 138 |

Q²=2.73, W=2.63, LH+, SHMS=7.66deg

| Run Type | Target | EBeam | P_SHMS | Theta_S HMS | Theta_ P_HMS | Theta_ HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S HMS | Raw_Raw Coin | EDTM | SHMS_Hadron_ Tracking | Comments |
|------------|-----------|-------|--------|----------------|-----------------|---------------|---------|-----|-----|-----|-------------------|--------------------|--------------------|----------------|---------|--------------|-----------------|------|--------------------------|----------|
| 16287 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 49.165 | 14 | 8 | 0 | 5.553 | 446.411 | 0.205 | 18.992 | 14k | 18k | 69k | 4k | 0.969 | |
| 16288 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 55.665 | 14 | 8 | 0 | 6.427 | 525.259 | 0.252 | 33.385 | 25k | 32k | 128k | 6k | 0.968 | 519 |
| 16289 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 55 | 14 | 8 | 0 | 6.346 | 518.344 | 0.248 | 97.457 | 73k | 94k | 373k | 17k | 0.967 | 1507 |
| 16290 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 28.524 | 14 | 8 | 0 | 6.049 | 491.17 | 0.233 | 46.282 | 35k | 45k | 183k | 16k | 0.968 | 821 |
| 16291 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 54.573 | 14 | 8 | 0 | 6.463 | 530.808 | 0.255 | 97.174 | 73k | 94k | 375k | 18k | 0.967 | 1587 |
| 16292 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 60.27 | 14 | 8 | 0 | 6.491 | 531.25 | 0.257 | 110.67 | 83k | 108k | 428k | 18k | 0.968 | 1785 |
| 16293 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 53.187 | 14 | 8 | 0 | 5.878 | 478.142 | 0.223 | 99.468 | 75k | 96k | 370k | 18k | 0.968 | 1605 |
| 16294 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 61.623 | 14 | 8 | 0 | 6.449 | 530.855 | 0.255 | 110.661 | 83k | 108k | 425k | 18k | 0.967 | 1723 |
| 16295 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 39.091 | 14 | 8 | 0 | 6.28 | 512.857 | 0.247 | 64.478 | 49k | 63k | 254k | 16k | 0.967 | 1080 |
| 16296 Prod | LH2 | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 43.165 | 14 | 0 | -1 | 5.635 | 457.604 | 0.211 | 98.197 | 9571k | 95k | 363k | 22k | 0.968 | 1615 |
| 16298 Prod | Dummy10cm | 6.399 | 4.605 | 7.66 | 1.727 | -28.77 | 34.346 | 11 | 5 | 0 | 1.336 | 63.066 | 0.017 | 62.742 | 128k | 100k | 29k | 18k | 0.991 | 77 |

Q²=2.73, W=2.63, LH+, SHMS=9.66deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|-------|------|-------|--------|--------|----|---|----|-------|---------|-------|---------|--------|------|------|-----|-------|-------------------------------|
| 16299 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 64.313 | 13 | 8 | 0 | 6.871 | 268.267 | 0.149 | 110.695 | 83k | 102k | 233k | 17k | 0.98 | 1951 |
| 16300 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 70.948 | 13 | 8 | 0 | 7.142 | 279.536 | 0.156 | 125.778 | 94k | 116k | 265k | 17k | 0.98 | 2201 |
| 16301 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 57.325 | 13 | 8 | 0 | 6.733 | 262.494 | 0.145 | 108.235 | 81k | 99k | 228k | 19k | 0.98 | 1889 |
| 16302 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 62.387 | 13 | 8 | 0 | 7.047 | 275.611 | 0.154 | 115.022 | 86k | 106k | 244k | 18k | 0.981 | 2138 |
| 16303 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 0.884 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 2k | 2k | | 0 JUNK |
| 16304 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 57.103 | 13 | 8 | 0 | 7.08 | 277.025 | 0.155 | 45.98 | 34k | 42k | 99k | 8k | 0.981 | 847 |
| 16305 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 67.952 | 13 | 0 | -1 | 7.253 | 284.274 | 0.159 | 154.153 | 14840k | 142k | 328k | 22k | 0.98 | 2872 |
| 16307 Prod | LH2 | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 64.653 | 13 | 8 | 0 | 6.979 | 272.482 | 0.152 | 18.299 | 14k | 17k | 39k | 3k | 0.979 | 634 |
| 16308 Prod | Dummy10cm | 6.399 | 4.605 | 9.66 | 1.727 | -28.77 | 32.909 | 9 | 5 | 0 | 1.268 | 28.674 | 0.013 | 29.415 | 60k | 90k | 12k | 9k | 0.992 | FADC Mode 10 on - Probably OK |

Q²=2.73, W=2.63, LH+, SHMS=11.66deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|--------|--------|----|---|----|-------|---------|-------|---------|--------|------|------|-----|-------|-------------------------------|
| 16310 Prod | Dummy10cm | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 26.143 | 8 | 5 | 0 | 1.29 | 14.885 | 0.012 | 32.999 | 68k | 102k | 15k | 13k | 0.995 | FADC Mode 10 on - Probably OK |
| 16311 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 63.713 | 11 | 7 | 0 | 6.929 | 128.371 | 0.081 | 148.77 | 220k | 259k | 169k | 23k | 0.987 | 2075 |
| 16314 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 58.302 | 11 | 0 | -1 | 7.007 | 129.569 | 0.082 | 113.033 | 10908k | 197k | 131k | 19k | 0.987 | 1623 |
| 16315 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 53.825 | 11 | 7 | 0 | 6.426 | 118.927 | 0.074 | 133.212 | 197k | 231k | 152k | 25k | 0.987 | 1875 |

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|------------|-----|-------|-------|-------|-------|--------|--------|----|---|---|-------|---------|-------|---------|------|------|------|-----|-------|------|
| 16316 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 64.359 | 11 | 7 | 0 | 6.844 | 126.784 | 0.08 | 164.129 | 243k | 286k | 187k | 25k | 0.987 | 2292 |
| 16317 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 61.64 | 11 | 7 | 0 | 6.667 | 123.626 | 0.077 | 153.15 | 226k | 266k | 172k | 25k | 0.988 | 2124 |
| 16318 Prod | LH2 | 6.399 | 4.605 | 11.66 | 1.727 | -28.77 | 61.703 | 11 | 7 | 0 | 6.952 | 128.737 | 0.081 | 87.427 | 129k | 152k | 100k | 14k | 0.986 | 1171 |

Q²=3.85, W=2.62, LH+, SHMS=10.00deg - PART ONE

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S P_HMS | Theta_HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S | Raw_Coin | EDTM | SHMS_Hadron Tracking | Comments |
|------------|-----------|-------|--------|-------|---------------|-----------|---------|-----|-----|-----|----------------|-----------------|-----------------|-------------|---------|-------|----------|------|----------------------|----------|
| 16319 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 57.888 | 12 | 7 | 0 | 2.21 | 140.765 | 0.033 | 216.932 | 104k | 210k | 109k | 37k | 0.983 | 455 |
| 16320 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 52.438 | 12 | 7 | 0 | 2.12 | 134.575 | 0.032 | 40.802 | 20k | 39k | 21k | 8k | 0.984 | 84 |
| 16321 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 59.331 | 12 | 6 | 0 | 2.156 | 137.563 | 0.032 | 211.098 | 199k | 204k | 103k | 35k | 0.986 | 504 |
| 16322 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 64.996 | 12 | 0 | -1 | 2.245 | 143.775 | 0.034 | 247.487 | 7688k | 240k | 120k | 38k | 0.984 | 550 |
| 16323 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 65.927 | 12 | 6 | 0 | 2.296 | 146.489 | 0.035 | 247.503 | 234k | 240k | 120k | 37k | 0.983 | 574 |
| 16325 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 66.169 | 12 | 6 | 0 | 2.273 | 146.501 | 0.034 | 237.07 | 222k | 230k | 114k | 36k | 0.984 | 528 |
| 16326 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 71.258 | 12 | 6 | 0 | 2.337 | 150.893 | 0.035 | 256.465 | 240k | 250k | 121k | 36k | 0.984 | 589 |
| 16327 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 67.482 | 12 | 6 | 0 | 2.274 | 146.738 | 0.034 | 257.029 | 240k | 250k | 123k | 38k | 0.984 | 598 |
| 16328 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 65.557 | 12 | 6 | 0 | 2.215 | 142.241 | 0.033 | 234.747 | 220k | 228k | 112k | 36k | 0.984 | 497 |
| 16330 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 64.399 | 12 | 6 | 0 | 2.242 | 144.55 | 0.034 | 234.695 | 220k | 228k | 113k | 36k | 0.984 | 548 |
| 16331 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 62.843 | 12 | 6 | 0 | 2.228 | 144.018 | 0.034 | 234.309 | 219k | 228k | 114k | 37k | 0.985 | 548 |
| 16332 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 62.851 | 12 | 6 | 0 | 2.293 | 147.602 | 0.034 | 272.965 | 256k | 266k | 133k | 43k | 0.984 | 593 |
| 16333 Prod | Dummy10cm | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 31.757 | 9 | 3 | 0 | 0.469 | 15.105 | 0.011 | 113.815 | 284k | 177k | 38k | 36k | 0.994 | 21 |
| 16334 Prod | Dummy10cm | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 35.421 | 9 | 3 | 0 | 0.477 | 15.452 | 0.011 | 77.871 | 192k | 121k | 23k | 22k | 0.991 | 14 |
| 16335 Prod | Dummy10cm | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 35.963 | 9 | 3 | 0 | 0.475 | 15.293 | 0.011 | 56.134 | 139k | 87k | 17k | 16k | 0.992 | 4 |

Q²=3.85, W=2.62, LD+, SHMS=10.00deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|-------|--------|--------|----|---|----|-------|---------|-------|---------|-------|------|------|-----|-------|-----|
| 16336 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 57.163 | 12 | 7 | 0 | 6.625 | 248.202 | 0.13 | 79.632 | 118k | 140k | 153k | 14k | 0.978 | 214 |
| 16337 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 66.004 | 12 | 7 | 0 | 6.8 | 257.812 | 0.135 | 244.177 | 358k | 431k | 465k | 37k | 0.976 | 653 |
| 16338 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 59.256 | 12 | 7 | 0 | 6.71 | 255.202 | 0.132 | 213.851 | 313k | 377k | 406k | 36k | 0.978 | 662 |
| 16339 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 71.703 | 12 | 7 | 0 | 7.106 | 270.375 | 0.142 | 250.256 | 367k | 442k | 478k | 34k | 0.978 | 708 |
| 16340 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 70.67 | 12 | 7 | 0 | 7.053 | 267.73 | 0.141 | 251.459 | 369k | 444k | 481k | 35k | 0.977 | 704 |
| 16341 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 50.544 | 12 | 7 | 0 | 6.716 | 253.201 | 0.132 | 177.839 | 263k | 314k | 345k | 35k | 0.978 | 547 |
| 16342 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 59.621 | 12 | 7 | 0 | 6.793 | 256.905 | 0.134 | 214.019 | 315k | 378k | 411k | 36k | 0.977 | 632 |
| 16343 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 65.445 | 12 | 7 | 0 | 7.079 | 267.342 | 0.142 | 227.678 | 336k | 403k | 441k | 34k | 0.976 | 665 |
| 16344 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 77.05 | 12 | 0 | -1 | 7.421 | 282.826 | 0.152 | 89.437 | 8526k | 159k | 174k | 11k | 0.976 | 241 |
| 16345 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 68.389 | 12 | 0 | -1 | 7.11 | 267.907 | 0.143 | 81.921 | 7879k | 145k | 159k | 12k | 0.976 | 219 |
| 16346 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 65.831 | 12 | 0 | -1 | 7.043 | 265.546 | 0.141 | 73.303 | 7041k | 130k | 142k | 11k | 0.976 | 238 |
| 16348 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 71.603 | 12 | 7 | 0 | 7.344 | 278.632 | 0.15 | 260.624 | 384k | 462k | 513k | 36k | 0.977 | 748 |

Q²=3.85, W=2.62, LD+, SHMS=8.00deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|------|-------|--------|--------|----|---|----|-------|---------|-------|---------|-------|------|-------|-----|-------|-----|
| 16349 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 61.279 | 14 | 7 | 0 | 6.665 | 558.442 | 0.272 | 214.941 | 320k | 213k | 852k | 34k | 0.96 | 724 |
| 16350 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 69.085 | 14 | 7 | 0 | 7.192 | 613.91 | 0.316 | 233.601 | 345k | 233k | 987k | 33k | 0.957 | 776 |
| 16352 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 61.443 | 14 | 0 | -1 | 7.379 | 630.635 | 0.328 | 51.115 | 4912k | 51k | 220k | 7k | 0.957 | 128 |
| 16354 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 79.083 | 14 | 0 | -1 | 7.627 | 649.992 | 0.341 | 50.392 | 4845k | 50k | 217k | 5k | 0.957 | 139 |
| 16355 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 60.722 | 14 | 0 | -1 | 6.819 | 577.041 | 0.293 | 55.994 | 5402k | 56k | 233k | 8k | 0.957 | 149 |
| 16356 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 70.562 | 14 | 0 | -1 | 7.195 | 611.602 | 0.315 | 51.661 | 4983k | 52k | 218k | 6k | 0.957 | 157 |
| 16357 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 58.708 | 14 | 7 | 0 | 7.025 | 593.429 | 0.305 | 207.913 | 310k | 208k | 880k | 35k | 0.959 | 681 |
| 16358 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 71.421 | 14 | 7 | 0 | 7.326 | 624.997 | 0.323 | 257.284 | 380k | 257k | 1094k | 35k | 0.957 | 833 |
| 16359 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 64.817 | 14 | 7 | 0 | 6.943 | 587.546 | 0.301 | 229.588 | 341k | 229k | 963k | 35k | 0.958 | 752 |
| 16360 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 68.049 | 14 | 7 | 0 | 7.176 | 607.677 | 0.313 | 241.43 | 359k | 241k | 1023k | 35k | 0.958 | 832 |
| 16361 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 66.146 | 14 | 8 | 0 | 7.025 | 594.152 | 0.304 | 236.514 | 177k | 236k | 994k | 35k | 0.957 | 822 |
| 16362 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 60.839 | 14 | 8 | 0 | 6.983 | 591.39 | 0.303 | 215.129 | 161k | 215k | 907k | 35k | 0.958 | 722 |
| 16363 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 67.684 | 14 | 8 | 0 | 7.143 | 608.522 | 0.313 | 244.908 | 182k | 245k | 1034k | 35k | 0.958 | 838 |
| 16366 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 70.171 | 14 | 8 | 0 | 7.271 | 616.3 | 0.319 | 248.195 | 186k | 248k | 1055k | 34k | 0.958 | 822 |
| 16367 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 65.348 | 14 | 8 | 0 | 7.046 | 596.7 | 0.306 | 171.332 | 128k | 171k | 721k | 26k | 0.958 | 602 |
| 16368 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 73.21 | 14 | 8 | 0 | 7.367 | 622.978 | 0.324 | 162.148 | 122k | 162k | 692k | 22k | 0.958 | 549 |
| 16369 Prod | LD2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 69.806 | 14 | 8 | 0 | 7.214 | 606.782 | 0.315 | 184.101 | 139k | 184k | 783k | 26k | 0.958 | 592 |

Q²=3.85, W=2.62, LH+, SHMS=8.00deg

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S P_HMS | Theta_HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S | Raw_Coin | EDTM | SHMS_Hadron Tracking | Comments |
|------------|-----------|-------|--------|------|---------------|-----------|---------|-----|-----|-----|----------------|-----------------|-----------------|-------------|---------|-------|----------|------|----------------------|----------|
| 16370 Prod | Dummy10cm | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 31.429 | 9 | 3 | 0 | 0.475 | 31.759 | 0.011 | 114.453 | 289k | 375k | 40k | 36k | 0.999 | 18 |
| 16371 Prod | Dummy10cm | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 28.678 | 9 | 3 | 0 | 0.471 | 31.772 | 0.011 | 104.32 | 262k | 342k | 40k | 36k | 0.995 | 16 |
| 16372 Prod | Dummy10cm | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 34.428 | 9 | 3 | 0 | 0.485 | 32.667 | 0.011 | 24.106 | 60k | 79k | 8k | 7k | 1 | 5 |
| 16373 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 58.413 | 13 | 6 | 0 | 2.235 | 331.285 | 0.064 | 207.949 | 196k | 234k | 191k | 35k | 0.973 | 509 |
| 16374 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 71.669 | 13 | 6 | 0 | 2.323 | 347.658 | 0.066 | 213.817 | 201k | 242k | 191k | 29k | 0.973 | 534 |
| 16375 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 64.643 | 13 | 5 | 0 | 2.366 | 355.278 | 0.068 | 232.221 | 423k | 263k | 213k | 35k | 0.972 | 601 |
| 16376 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 64.583 | 13 | 5 | 0 | 2.237 | 333.102 | 0.064 | 247.84 | 452k | 279k | 222k | 38k | 0.972 | 654 |
| 16377 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 67.236 | 13 | 5 | 0 | 2.282 | 341.556 | 0.065 | 239.794 | 436k | 271k | 215k | 35k | 0.972 | 653 |
| 16378 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 73.264 | 13 | 5 | 0 | 2.356 | 354.499 | 0.068 | 217.478 | 395k | 246k | 195k | 29k | 0.97 | 591 |
| 16379 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 70.73 | 13 | 5 | 0 | 2.34 | 353.086 | 0.068 | 272.044 | 492k | 308k | 245k | 38k | 0.972 | 693 |
| 16380 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 64.471 | 13 | 5 | 0 | 2.287 | 343.289 | 0.066 | 227.852 | 414k | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|------|-------|--------|--------|----|---|----|-------|---------|-------|---------|-------|------|------|-----|-------|-----|
| 16386 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 73.202 | 13 | 0 | -1 | 2.359 | 357.962 | 0.068 | 42.935 | 1314k | 49k | 38k | 6k | 0.972 | 126 |
| 16387 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 67.289 | 13 | 5 | 0 | 2.296 | 345.376 | 0.066 | 256.087 | 464k | 290k | 231k | 38k | 0.971 | 670 |
| 16388 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 70.419 | 13 | 5 | 0 | 2.306 | 347.092 | 0.066 | 245.407 | 445k | 278k | 219k | 34k | 0.973 | 634 |
| 16389 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 68.888 | 13 | 5 | 0 | 2.298 | 347.454 | 0.066 | 246.547 | 445k | 279k | 220k | 35k | 0.972 | 659 |
| 16390 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 73.885 | 13 | 5 | 0 | 2.352 | 356.285 | 0.068 | 270.881 | 489k | 307k | 241k | 36k | 0.973 | 745 |
| 16392 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 73.956 | 13 | 6 | 0 | 2.358 | 357.731 | 0.068 | 248.819 | 231k | 282k | 222k | 33k | 0.973 | 688 |
| 16393 Prod | LH2 | 6.399 | 5.127 | 8.00 | 1.158 | -42.23 | 63.007 | 13 | 6 | 0 | 2.207 | 333.277 | 0.063 | 242.403 | 225k | 274k | 217k | 38k | 0.974 | 673 |

Q²=3.85, W=2.62, LH+, SHMS=10.00deg - PART TWO

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|-------|--------|--------|----|---|---|-------|---------|-------|---------|------|------|------|-----|-------|-----|
| 16394 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 60.106 | 12 | 6 | 0 | 2.283 | 149.07 | 0.035 | 244.544 | 227k | 239k | 121k | 40k | 0.987 | 575 |
| 16395 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 70.605 | 12 | 6 | 0 | 2.312 | 150.647 | 0.035 | 238.376 | 222k | 233k | 113k | 33k | 0.985 | 533 |
| 16396 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 63.084 | 12 | 6 | 0 | 2.31 | 150.054 | 0.035 | 71.247 | 66k | 69k | 35k | 11k | 0.987 | 172 |
| 16397 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 67.658 | 12 | 6 | 0 | 2.326 | 152.279 | 0.035 | 129.913 | 120k | 127k | 63k | 19k | 0.987 | 283 |
| 16398 Prod | LH2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 63.099 | 12 | 6 | 0 | 2.252 | 146.657 | 0.034 | 185.552 | 172k | 181k | 91k | 29k | 0.988 | 423 |

Q²=3.85, W=2.62, LD+, SHMS=10.00deg

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|-------|--------|--------|----|---|---|-------|---------|-------|---------|------|------|------|-----|-------|-----|
| 16399 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 67.723 | 13 | 8 | 0 | 7.111 | 273.982 | 0.144 | 244.518 | 179k | 217k | 471k | 36k | 0.979 | 669 |
| 16400 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 69.04 | 13 | 8 | 0 | 7.167 | 275.384 | 0.146 | 252.405 | 185k | 224k | 489k | 36k | 0.978 | 729 |
| 16401 Prod | LD2 | 6.399 | 5.127 | 10.00 | 1.158 | -42.23 | 70.354 | 13 | 8 | 0 | 7.214 | 276.377 | 0.147 | 199.508 | 147k | 177k | 388k | 28k | 0.978 | 583 |

Q²=1.60, W=3.06, LH+, SHMS=5.505deg

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S | Theta_L | P_HMS | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate | SHMS_Rate | Coin_Rate | Charge | Raw_HMS | Raw_S | Raw_Coin | EDTM | SHMS_Hadron | Tracking | Comments |
|------------|-----------|-------|--------|-------|---------|---------|--------|-----|---------|-----|-------|---------|----------|-----------|-----------|--------|---------|-------|----------|------|-------------|----------|----------|
| 16403 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 36.501 | 13 | 7 | 0 | 9.085 | 487.766 | 0.315 | 119.086 | 433k | 368k | 977k | 32k | 0.961 | | | 1043 | |
| 16404 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 32.067 | 13 | 7 | 0 | 8.995 | 484.3 | 0.313 | 113.541 | 412k | 352k | 936k | 35k | 0.96 | | | 1017 | |
| 16408 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 37.098 | 13 | 0 | -1 | 9.116 | 492.516 | 0.318 | 44.937 | 10565k | 139k | 369k | 9k | 0.96 | | | 290 | |
| 16409 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 29.202 | 13 | 7 | 0 | 9.086 | 488.094 | 0.317 | 102.186 | 372k | 317k | 853k | 35k | 0.96 | | | 917 | |
| 16410 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 36.17 | 13 | 7 | 0 | 9.119 | 489.461 | 0.318 | 127.45 | 465k | 396k | 1055k | 35k | 0.96 | | | 1137 | |
| 16411 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 36.378 | 13 | 7 | 0 | 9.276 | 495.496 | 0.325 | 121.815 | 447k | 379k | 1021k | 33k | 0.96 | | | 1117 | |
| 16412 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 36.267 | 13 | 7 | 0 | 9.257 | 492.648 | 0.323 | 17.908 | 66k | 56k | 150k | 5k | 0.959 | | | 152 | |
| 16413 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 34.748 | 13 | 7 | 0 | 9.111 | 485.657 | 0.318 | 111.136 | 408k | 345k | 927k | 31k | 0.959 | | | 998 | |
| 16414 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 34.899 | 13 | 7 | 0 | 9.146 | 485.261 | 0.318 | 125.789 | 464k | 390k | 1049k | 35k | 0.96 | | | 1086 | |
| 16415 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 34.362 | 13 | 7 | 0 | 9.174 | 490.156 | 0.319 | 124.255 | 455k | 385k | 1032k | 36k | 0.958 | | | 1125 | |
| 16416 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 33.013 | 13 | 7 | 0 | 9.166 | 485.022 | 0.318 | 120.01 | 444k | 372k | 1006k | 36k | 0.96 | | | 1093 | |
| 16417 Prod | LH2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 32.393 | 13 | 7 | 0 | 9.03 | 478.086 | 0.311 | 39.661 | 146k | 123k | 329k | 12k | 0.962 | | | 341 | |
| 16418 Prod | Dummy10cm | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 18.834 | 13 | 7 | 0 | 2.803 | 115.79 | 0.033 | 18.951 | 21k | 14k | 21k | 10k | 0.985 | | | 8 | |
| 16419 Prod | Dummy10cm | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 35.814 | 13 | 7 | 0 | 2.772 | 114.258 | 0.032 | 128.369 | 142k | 93k | 109k | 36k | 0.985 | | | 79 | |
| 16420 Prod | Dummy10cm | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 13.28 | 13 | 7 | 0 | 2.618 | 106.598 | 0.03 | 16.586 | 19k | 12k | 22k | 13k | 0.99 | | | 6 | |

Q²=1.60, W=3.06, LD+, SHMS=5.505deg

| | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|------|--------|--------|----|---|----|--------|---------|-------|--------|--------|------|-------|-----|-------|----------------------------|--|-----|
| 16421 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 24.079 | 13 | 7 | 0 | 18.216 | 544.415 | 0.696 | 42.685 | 422k | 200k | 1051k | 17k | 0.961 | | | 508 |
| 16422 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.146 | 13 | 7 | 0 | 19.866 | 606.322 | 0.828 | 42.963 | 425k | 206k | 1152k | 15k | 0.956 | | | 479 |
| 16423 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.605 | 13 | 7 | 0 | 20.144 | 609.863 | 0.841 | 42.033 | 419k | 201k | 1137k | 14k | 0.957 | | | 498 |
| 16424 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 27.851 | 13 | 7 | 0 | 20.096 | 607.941 | 0.841 | 49.606 | 495k | 238k | 1348k | 17k | 0.956 | | | 532 |
| 16425 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 29.395 | 13 | 7 | 0 | 20.123 | 611.534 | 0.846 | 44.499 | 442k | 213k | 1209k | 15k | 0.956 | | | 516 |
| 16426 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 26.399 | 13 | 7 | 0 | 19.936 | 598.191 | 0.832 | 51.514 | 518k | 246k | 1407k | 19k | 0.956 | | | 602 |
| 16427 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.416 | 13 | 7 | 0 | 20.295 | 615.119 | 0.857 | 41.394 | 413k | 198k | 1133k | 14k | 0.956 | | | 453 |
| 16428 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 21.469 | 13 | 7 | 0 | 20.423 | 608.334 | 0.858 | 44.382 | 450k | 213k | 1234k | 21k | 0.957 | | | 535 |
| 16429 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 26.354 | 13 | 7 | 0 | 20.15 | 598.67 | 0.842 | 46.224 | 469k | 221k | 1276k | 17k | 0.958 | | | 565 |
| 16430 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 25.684 | 13 | 7 | 0 | 20.127 | 604.575 | 0.842 | 20.475 | 206k | 98k | 560k | 8k | 0.957 | | | 261 |
| 16433 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 30.133 | 13 | 7 | 0 | 20.482 | 613.225 | 0.859 | 44.359 | 447k | 212k | 1219k | 14k | 0.957 | | | 513 |
| 16434 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.742 | 13 | 7 | 0 | 20.466 | 609.349 | 0.855 | 48.189 | 488k | 230k | 1325k | 16k | 0.957 | | | 565 |
| 16435 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.696 | 13 | 8 | 0 | 20.392 | 607.88 | 0.854 | 51.369 | 262k | 246k | 1417k | 18k | 0.957 | | | 550 |
| 16437 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 27.813 | 13 | 0 | -1 | 20.268 | 602.97 | 0.881 | 23.138 | 15288k | 111k | 668k | 8k | 0.955 | Not physics data - PS6 = 3 | | |
| 16438 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 29.679 | 13 | 0 | -1 | 20.509 | 609.86 | 0.894 | 23.614 | 15612k | 113k | 682k | 8k | 0.957 | Not physics data - PS6 = 3 | | |
| 16439 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 26.773 | 13 | 8 | 0 | 20.246 | 602.576 | 0.841 | 51.792 | 265k | 248k | 1420k | 19k | 0.957 | | | 584 |
| 16440 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 30.229 | 13 | 8 | 0 | 20.783 | 614.104 | 0.871 | 53.445 | 275k | 256k | 1486k | 17k | 0.957 | | | 617 |
| 16441 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.439 | 13 | 8 | 0 | 20.478 | 605.38 | 0.852 | 53.455 | 274k | 255k | 1475k | 18k | 0.957 | | | 592 |
| 16442 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 25.055 | 13 | 8 | 0 | 19.981 | 591.508 | 0.828 | 53.928 | 276k | 257k | 1478k | 21k | 0.957 | | | 642 |
| 16443 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 30.835 | 13 | 8 | 0 | 20.933 | 615.831 | 0.878 | 52.309 | 270k | 250k | 1463k | 16k | 0.957 | | | 624 |
| 16444 Prod | LD2 | 6.399 | 5.422 | 5.505 | 0.96 | -29.55 | 28.899 | 13 | 8 | 0 | 20.605 | 608.074 | 0.862 | 53.058 | 273k | 254k | 1474k | 18k | 0.957 | | | 626 |

Q²=1.60, W=3.06, LD+, SHMS=7.505deg

| | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|------|--------|--------|----|---|---|--------|---------|-------|--------|------|------|-------|-----|-------|--|--|-----|
| 16445 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 31.956 | 13 | 8 | 0 | 49.573 | 603.54 | 2.115 | 33.198 | 172k | 66k | 951k | 10k | 0.954 | | | 190 |
| 16446 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 71.854 | 13 | 8 | 0 | 51.802 | 626.919 | 2.242 | 58.903 | 307k | 117k | 1714k | 8k | 0.954 | | | 330 |
| 16447 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 68.385 | 13 | 8 | 0 | 49.715 | 604.904 | 2.107 | 67.994 | 351k | 135k | 1920k | 9k | 0.954 | | | 368 |
| 16448 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 54.296 | 13 | 8 | 0 | 46.069 | 550.839 | 1.892 | 58.724 | 306k | 115k | 1624k | 10k | 0.956 | | | 347 |
| 16449 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 72.353 | 13 | 8 | 0 | 51.489 | 619.618 | 2.215 | 56.717 | 297k | 113k | 1649k | 7k | 0.954 | | | 312 |
| 16450 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 67.213 | 13 | 8 | 0 | 50.212 | 600.951 | 2.133 | 60.11 | 316k | 119k | 1732k | 9k | 0.955 | | | 359 |
| 16451 Prod | LD2 | 6. | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|------|--------|--------|----|----|----|--------|---------|-------|---------------|------|-------|-----|-------------------------------|-----|
| 16455 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 74.784 | 13 | 8 | 0 | 53.201 | 634.897 | 2.304 | 57.634 305k | 115k | 1703k | 7k | 0.953 | 276 |
| 16456 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 74.385 | 13 | 8 | 0 | 52.993 | 629.932 | 2.281 | 56.808 302k | 113k | 1675k | 7k | 0.954 | 286 |
| 16457 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 66.762 | 13 | 8 | 0 | 46.69 | 549.536 | 1.968 | 58.966 314k | 116k | 1708k | 4k | 0.954 | 169 |
| 16461 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 68.555 | 13 | 8 | 0 | 51.877 | 604.227 | 2.205 | 56.447 305k | 112k | 1672k | 8k | 0.953 | 292 |
| 16462 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 58.198 | 13 | 8 | 0 | 50.379 | 590.633 | 2.116 | 57.449 307k | 113k | 1664k | 9k | 0.954 | 330 |
| 16463 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 63.22 | 14 | 10 | 0 | 49.524 | 576.882 | 2.069 | 64.794 88k | 64k | 1877k | 10k | 0.955 | 403 |
| 16464 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 64.922 | 14 | 10 | 0 | 50.892 | 588.983 | 2.141 | 63.699 87k | 63k | 1874k | 10k | 0.955 | 358 |
| 16465 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 71.74 | 14 | 10 | 0 | 53.027 | 613.633 | 2.267 | 63.089 86k | 62k | 1891k | 8k | 0.954 | 356 |
| 16466 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 68.824 | 14 | 10 | 0 | 51.838 | 602.624 | 2.199 | 69.213 94k | 68k | 2047k | 10k | 0.954 | 408 |
| 16467 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 52.542 | 14 | 10 | 0 | 48.507 | 557.815 | 1.995 | 69.161 94k | 68k | 1993k | 13k | 0.956 | 414 |
| 16468 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 70.692 | 14 | 10 | 0 | 52.58 | 611.922 | 2.238 | 67.695 92k | 67k | 2007k | 9k | 0.954 | 450 |
| 16469 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 63.704 | 14 | 10 | 0 | 51.823 | 598.001 | 2.196 | 63.148 86k | 62k | 1878k | 10k | 0.955 | 351 |
| 16470 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 55.234 | 14 | 10 | 0 | 49.795 | 570.856 | 2.074 | 69.009 95k | 68k | 2026k | 12k | 0.955 | 378 |
| 16471 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 43.919 | 14 | 10 | 0 | 51.528 | 594.87 | 2.175 | 63.878 87k | 63k | 1896k | 14k | 0.954 | 340 |
| 16473 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 20.819 | 11 | 0 | -1 | 15.427 | 145.481 | 0.162 | 19.369 13443k | 124k | 142k | 9k | 0.988 | 161 |
| 16474 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 19.656 | 11 | 0 | -1 | 15.315 | 144.21 | 0.16 | 20.174 14030k | 129k | 148k | 10k | 0.987 | 163 |
| 16475 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 68.827 | 14 | 10 | 0 | 51.138 | 592.772 | 2.145 | 65.286 89k | 64k | 1908k | 9k | 0.954 | 402 |
| 16476 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 69.501 | 14 | 10 | 0 | 52.723 | 610.638 | 2.243 | 67.628 92k | 67k | 2011k | 9k | 0.954 | 399 |
| 16477 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 62.28 | 14 | 10 | 0 | 51.144 | 593.327 | 2.157 | 64.751 88k | 64k | 1903k | 10k | 0.954 | 376 |
| 16478 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 62.775 | 14 | 10 | 0 | 49.053 | 563.352 | 2.028 | 24.412 33k | 24k | 705k | 4k | 0.954 | 140 |
| 16480 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 65.037 | 14 | 10 | 0 | 52.388 | 606.013 | 2.222 | 74.094 101k | 73k | 2201k | 11k | 0.954 | 439 |
| 16481 Prod | LD2 | 6.399 | 5.422 | 7.505 | 0.96 | -29.55 | 77.312 | 14 | 10 | 0 | 54.478 | 950.588 | 3.53 | 65.094 88k | 97k | 2937k | 7k | 0.946 JUNK - SHMS Dipole trip | |

Q²=1.60, W=3.06, LH+, SHMS=7.505deg

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S | HMS | Theta | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S | Raw_Raw | SHMS_Hadron | Comments |
|------------|-----------|-------|--------|-------|---------|--------|--------|-----|---------|-----|--------|---------|----------------|-----------------|-----------------|-------------|---------|-------|---------|-------------|----------|
| 16483 Prod | Dummy10cm | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 31.761 | 9 | 6 | 0 | 2.887 | 29.669 | 0.016 | 47.676 111k | 146k | 23k | 15k | | 0.99 | 21 | |
| 16484 Prod | Dummy10cm | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 9.101 | 9 | 6 | 0 | 2.978 | 30.761 | 0.017 | 3.932 9k | 12k | 5k | 5k | | 0.992 | 1 | |
| 16485 Prod | Dummy10cm | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 37.807 | 9 | 6 | 0 | 2.989 | 30.698 | 0.017 | 45.878 107k | 141k | 20k | 12k | | 0.992 | 21 | |
| 16488 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 58.621 | 13 | 9 | 0 | 17.109 | 317.229 | 0.414 | 122.058 119k | 138k | 743k | 21k | | 0.969 | 642 | |
| 16489 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 62.831 | 13 | 9 | 0 | 18.622 | 350.551 | 0.468 | 156.778 152k | 180k | 988k | 25k | | 0.969 | 854 | |
| 16490 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 56.631 | 13 | 9 | 0 | 17.727 | 331.702 | 0.437 | 144.175 140k | 165k | 893k | 25k | | 0.969 | 764 | |
| 16491 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 75.606 | 13 | 9 | 0 | 19.311 | 366.761 | 0.492 | 151.032 146k | 174k | 959k | 20k | | 0.968 | 746 | |
| 16492 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 71.252 | 13 | 9 | 0 | 19.075 | 357.282 | 0.483 | 114.283 112k | 131k | 729k | 16k | | 0.968 | 586 | |
| 16493 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 61.03 | 13 | 9 | 0 | 18.244 | 343.565 | 0.457 | 96.505 94k | 111k | 605k | 16k | | 0.969 | 534 | |
| 16494 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 50.369 | 13 | 9 | 0 | 17.719 | 330.996 | 0.438 | 144.121 141k | 165k | 902k | 28k | | 0.969 | 750 | |
| 16495 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 67.229 | 13 | 9 | 0 | 18.468 | 347.185 | 0.463 | 115.84 113k | 133k | 728k | 17k | | 0.969 | 622 | |
| 16496 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 40.967 | 13 | 0 | -1 | 10.984 | 175.881 | 0.142 | 31.361 7858k | 31k | 102k | 8k | | 0.983 | 183 | |
| 16497 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 40.594 | 13 | 0 | -1 | 10.911 | 173.772 | 0.141 | 43.075 10854k | 42k | 141k | 11k | | 0.983 | 253 | |
| 16498 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 40.562 | 13 | 0 | -1 | 10.799 | 173.913 | 0.14 | 48.568 12110k | 48k | 158k | 12k | | 0.983 | 264 | |
| 16499 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 62.872 | 13 | 9 | 0 | 17.944 | 332.689 | 0.44 | 127.066 125k | 145k | 788k | 20k | | 0.969 | 674 | |
| 16500 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 65.425 | 13 | 9 | 0 | 18.15 | 341.353 | 0.454 | 124.863 121k | 143k | 780k | 19k | | 0.968 | 615 | |
| 16501 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 69.594 | 13 | 9 | 0 | 18.56 | 349.41 | 0.467 | 122.2 119k | 140k | 769k | 17k | | 0.968 | 613 | |
| 16502 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 51.615 | 13 | 9 | 0 | 18.226 | 340.74 | 0.455 | 119.184 117k | 137k | 754k | 23k | | 0.968 | 564 | |
| 16503 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 66.216 | 13 | 9 | 0 | 18.473 | 345.989 | 0.462 | 119.479 117k | 137k | 751k | 18k | | 0.968 | 618 | |
| 16504 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 72.205 | 13 | 9 | 0 | 18.963 | 354.843 | 0.479 | 118.304 116k | 136k | 753k | 16k | | 0.968 | 601 | |
| 16505 Prod | LH2 | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 64.688 | 13 | 9 | 0 | 18.676 | 350.273 | 0.471 | 124.123 121k | 143k | 788k | 19k | | 0.969 | 652 | |
| 16507 Prod | Dummy10cm | 6.395 | 5.422 | 7.505 | 0.96 | -29.55 | 34.964 | 9 | 6 | 0 | 2.91 | 30.196 | 0.017 | 128.395 295k | 393k | 59k | 37k | | 0.99 | 53 | |

Heap Coincidences – PART TWO

| | | | | | | | | | | | | | | | | | | | | |
|----------------|-----------|-------|-------|--------|-------|--------|--------|---|---|---|-------|-------|-------|--------------|------|-----|-----|--|-------|-------|
| 16509 HeePCoin | LH2 | 6.395 | 3.706 | 26.81 | 3.514 | -28.4 | 58.227 | 6 | 1 | 0 | 0.162 | 3.711 | 0.027 | 36.697 42k | 57k | 15k | 6k | | 0.99 | 5307 |
| 16510 HeePCoin | LH2 | 6.395 | 3.706 | 26.81 | 3.514 | -28.4 | 75.356 | 6 | 1 | 0 | 0.172 | 3.989 | 0.028 | 148.225 165k | 232k | 54k | 20k | | 0.993 | 21424 |
| 16511 HeePCoin | Dummy10cm | 6.395 | 3.706 | 26.81 | 3.514 | -28.4 | 35.589 | 4 | 0 | 0 | 0.039 | 0.892 | 0.01 | 29.207 31k | 75k | 8k | 8k | | 0.981 | 105 |
| 16512 HeePCoin | Dummy10cm | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 35.01 | 4 | 0 | 0 | 0.022 | 1.019 | 0.01 | 30.186 18k | 89k | 9k | 9k | | 1 | 63 |
| 16513 HeePCoin | LH2 | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 32.992 | 7 | 0 | 0 | 0.057 | 4.914 | 0.016 | 25.482 25k | 27k | 10k | 8k | | 0.995 | 1320 |
| 16514 HeePCoin | LH2 | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 42.575 | 7 | 0 | 0 | 0.05 | 4.116 | 0.015 | 39.375 35k | 41k | 13k | 9k | | 0.991 | 2195 |
| 16515 HeePCoin | LH2 | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 70.103 | 7 | 0 | 0 | 0.06 | 5.223 | 0.017 | 126.219 101k | 134k | 29k | 18k | | 0.992 | 6843 |
| 16516 HeePCoin | LH2 | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 60.129 | 7 | 0 | 0 | 0.06 | 5.241 | 0.017 | 34.403 28k | 36k | 9k | 6k | | 0.995 | 1908 |
| 16517 HeePCoin | LH2 | 6.395 | 4.22 | 23.115 | 3.014 | -33.35 | 58.059 | 7 | 0 | 0 | 0.055 | 4.649 | 0.016 | 151.45 126k | 159k | 40k | 26k | | 0.993 | 8271 |

Q²=3.85, W=2.62, LD-, SHMS=8.00deg – PART ONE

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S | HMS | Theta | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_HMS | Raw_S | Raw_Raw | SHMS_Hadron | Comments |
|------------|--------|-------|--------|------|---------|--------|--------|-----|---------|-----|-------|----------|----------------|-----------------|-----------------|-------------|---------|-------|---------|-------------|----------|
| 16520 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 6.153 | 13 | 4 | 0 | 0.71 | 467.303 | 0.031 | 5.215 61k | 88k | 25k | 8k | | 0.916 | 7 | |
| 16521 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 22.523 | 15 | 6 | 0 | 2.432 | 1535.473 | 0.257 | 36.188 110k | 140k | 386k | 15k | | 0.891 | 36 | |
| 16522 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.843 | 14 | 4 | 0 | 0.989 | 652.833 | 0.052 | 33.636 386k | 279k | 186k | 37k | | 0.928 | 41 | |
| 16523 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.811 | 14 | 4 | 0 | 0.986 | 653.225 | 0.052 | 32.786 375k | 273k | 181k | 37k | | 0.907 | 53 | |
| 16524 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 7.806 | 14 | 4 | 0 | 0.981 | 649.985 | 0.052 | 32.558 374k | 271k | 185k | 42k | | 0.915 | 56 | |
| 16525 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.852 | 14 | 4 | 0 | 0.989 | 655.644 | 0.052 | 31.24 357k | 260k | 173k | 35k | | 0.919 | 40 | |
| 16526 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.15 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|------|-------|--------|--------|----|---|---|-------|---------|-------|-------------|------|------|-----|-------|----|
| 16528 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.193 | 14 | 4 | 0 | 1.071 | 715.716 | 0.06 | 29.254 330k | 242k | 171k | 32k | 0.907 | 36 |
| 16529 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.119 | 14 | 4 | 0 | 1.083 | 723.215 | 0.061 | 33.983 383k | 281k | 196k | 33k | 0.907 | 56 |
| 16530 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.952 | 14 | 4 | 0 | 1.075 | 720.162 | 0.061 | 33.59 376k | 276k | 193k | 33k | 0.897 | 62 |
| 16531 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.145 | 14 | 4 | 0 | 1.157 | 775.6 | 0.069 | 33.749 377k | 277k | 206k | 33k | 0.913 | 48 |
| 16532 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.089 | 14 | 4 | 0 | 1.162 | 781.195 | 0.069 | 37.486 416k | 307k | 225k | 33k | 0.906 | 54 |
| 16533 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.632 | 14 | 4 | 0 | 1.161 | 778.263 | 0.07 | 37.958 424k | 312k | 231k | 35k | 0.898 | 69 |
| 16534 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.772 | 14 | 4 | 0 | 1.161 | 780.533 | 0.069 | 39.973 444k | 327k | 241k | 36k | 0.905 | 63 |
| 16535 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.224 | 14 | 4 | 0 | 1.157 | 779.59 | 0.069 | 31.757 353k | 260k | 196k | 34k | 0.907 | 53 |
| 16536 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.785 | 14 | 4 | 0 | 1.156 | 781.217 | 0.069 | 39.948 441k | 327k | 240k | 36k | 0.908 | 69 |
| 16537 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.155 | 14 | 4 | 0 | 1.154 | 777.307 | 0.069 | 34.697 385k | 285k | 211k | 33k | 0.896 | 61 |
| 16538 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.873 | 14 | 4 | 0 | 1.158 | 785.855 | 0.069 | 40.726 448k | 334k | 244k | 36k | 0.91 | 65 |
| 16539 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.408 | 14 | 4 | 0 | 1.149 | 778.219 | 0.068 | 37.02 408k | 304k | 222k | 35k | 0.903 | 55 |
| 16540 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 3.556 | 14 | 4 | 0 | 1.162 | 790.502 | 0.069 | 2.746 31k | 22k | 23k | 9k | 0.889 | 2 |
| 16541 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.583 | 14 | 4 | 0 | 1.148 | 783.632 | 0.069 | 36.413 398k | 298k | 217k | 34k | 0.914 | 52 |
| 16542 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.338 | 14 | 4 | 0 | 1.147 | 782.005 | 0.069 | 36.15 397k | 297k | 218k | 34k | 0.9 | 70 |
| 16543 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.949 | 14 | 4 | 0 | 1.144 | 783.5 | 0.069 | 38.156 415k | 312k | 226k | 34k | 0.902 | 56 |
| 16544 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.172 | 14 | 4 | 0 | 1.151 | 784.538 | 0.069 | 38.275 417k | 312k | 226k | 33k | 0.904 | 51 |
| 16545 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 6.184 | 14 | 4 | 0 | 0.674 | 468.118 | 0.03 | 21.219 235k | 179k | 99k | 34k | 0.903 | 38 |
| 16546 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 5.454 | 14 | 4 | 0 | 0.669 | 465.232 | 0.03 | 15.715 176k | 134k | 78k | 30k | 0.924 | 20 |
| 16548 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 6.453 | 14 | 4 | 0 | 0.668 | 465.683 | 0.03 | 23.202 256k | 196k | 106k | 36k | 0.91 | 34 |
| 16549 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 6.078 | 14 | 4 | 0 | 0.667 | 465.574 | 0.03 | 21.419 236k | 181k | 100k | 35k | 0.898 | 38 |

| Run Type | Target | EBeam | Theta_S P_SHMS | HMS | Theta_ P_HMS | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_ HMS | Raw_ SHMS | Raw_ Coin | Raw_ EDTM | SHMS_Hadron_ Tracking | Comments |
|------------|-----------|-------|-------------------|------|-----------------|--------|---------|-----|-----|-----|-------------------|--------------------|--------------------|----------------|-------------|--------------|--------------|--------------|--------------------------|----------|
| 16550 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.716 | 14 | 4 | 0 | 0.939 | 652.829 | 0.05 | 31.527 343k | 262k | 168k | 36k | 0.912 | 65 | |
| 16551 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.671 | 14 | 4 | 0 | 1.12 | 777.312 | 0.067 | 41.302 444k | 339k | 242k | 38k | 0.912 | 81 | |
| 16552 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 6.039 | 14 | 4 | 0 | 1.123 | 775.41 | 0.067 | 19.181 209k | 157k | 129k | 34k | 0.913 | 23 | |
| 16553 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.952 | 14 | 4 | 0 | 1.119 | 778.183 | 0.067 | 39.89 429k | 327k | 237k | 39k | 0.91 | 71 | |
| 16554 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.082 | 14 | 4 | 0 | 1.126 | 780.451 | 0.067 | 36.354 392k | 298k | 216k | 35k | 0.906 | 53 | |
| 16555 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.733 | 14 | 4 | 0 | 1.119 | 781.631 | 0.067 | 36.944 395k | 303k | 216k | 34k | 0.913 | 58 | |
| 16556 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.439 | 14 | 4 | 0 | 1.125 | 784.19 | 0.068 | 41.748 447k | 342k | 246k | 39k | 0.898 | 63 | |
| 16557 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.988 | 14 | 4 | 0 | 1.118 | 780.911 | 0.067 | 38.184 409k | 313k | 223k | 34k | 0.902 | 71 | |
| 16558 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.059 | 14 | 4 | 0 | 1.117 | 782.27 | 0.067 | 39.87 425k | 327k | 231k | 35k | 0.906 | 58 | |
| 16559 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.915 | 14 | 4 | 0 | 1.12 | 781.961 | 0.067 | 37.422 400k | 307k | 218k | 33k | 0.906 | 62 | |
| 16560 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.225 | 14 | 4 | 0 | 1.115 | 781.292 | 0.067 | 37.299 398k | 306k | 219k | 36k | 0.901 | 58 | |
| 16561 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.109 | 14 | 4 | 0 | 1.113 | 777.55 | 0.067 | 38.616 413k | 317k | 228k | 37k | 0.896 | 44 | |
| 16562 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.878 | 14 | 4 | 0 | 1.11 | 781.009 | 0.067 | 53.171 565k | 436k | 308k | 47k | 0.902 | 76 | |
| 16563 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.639 | 14 | 4 | 0 | 1.11 | 778.229 | 0.067 | 37.665 401k | 309k | 220k | 34k | 0.908 | 62 | |
| 16564 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.778 | 14 | 4 | 0 | 1.111 | 785.618 | 0.067 | 31.607 332k | 258k | 183k | 29k | 0.907 | 41 | |
| 16565 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.216 | 14 | 4 | 0 | 1.111 | 784.547 | 0.067 | 34.351 363k | 281k | 198k | 30k | 0.911 | 52 | |
| 16566 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.549 | 14 | 4 | 0 | 1.107 | 777.998 | 0.067 | 37.662 400k | 308k | 220k | 35k | 0.907 | 54 | |
| 16567 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.68 | 14 | 4 | 0 | 1.095 | 775.739 | 0.065 | 28.608 301k | 234k | 167k | 29k | 0.899 | 37 | |
| 16568 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.647 | 14 | 4 | 0 | 1.095 | 774.976 | 0.066 | 30.224 318k | 247k | 174k | 28k | 0.907 | 47 | |
| 16569 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.433 | 14 | 4 | 0 | 1.097 | 773.037 | 0.065 | 14.921 158k | 122k | 86k | 14k | 0.904 | 25 | |
| 16570 Prod | Dummy10cm | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 31.018 | 14 | 4 | 0 | 0.417 | 463.814 | 0.023 | 104.739 137k | 166k | 72k | 33k | 0.907 | 10 | |
| 16571 Prod | Dummy10cm | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 34.978 | 14 | 4 | 0 | 0.442 | 491.048 | 0.024 | 171.822 223k | 272k | 113k | 48k | 0.88 | 7 | |
| 16572 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 12.274 | 14 | 4 | 0 | 1.258 | 893.13 | 0.084 | 43.74 456k | 355k | 276k | 34k | 0.902 | 69 | |
| 16573 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.871 | 14 | 4 | 0 | 1.255 | 889.303 | 0.083 | 41.93 439k | 341k | 266k | 34k | 0.907 | 49 | |
| 16574 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.839 | 14 | 4 | 0 | 1.243 | 883.322 | 0.083 | 33.651 352k | 274k | 221k | 34k | 0.908 | 37 | |
| 16575 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 12.546 | 14 | 4 | 0 | 1.27 | 900.939 | 0.085 | 43.797 457k | 356k | 278k | 34k | 0.912 | 69 | |
| 16576 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.406 | 14 | 4 | 0 | 1.256 | 892.85 | 0.084 | 51.237 534k | 416k | 328k | 44k | 0.897 | 88 | |
| 16577 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.985 | 14 | 4 | 0 | 1.096 | 783.764 | 0.066 | 39.03 407k | 320k | 223k | 34k | 0.923 | 59 | |
| 16578 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.658 | 14 | 4 | 0 | 1.09 | 780.113 | 0.065 | 32.7 342k | 269k | 191k | 33k | 0.903 | 44 | |
| 16579 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.021 | 14 | 4 | 0 | 1.095 | 783.28 | 0.066 | 39.856 416k | 327k | 226k | 35k | 0.905 | 71 | |
| 16580 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.918 | 14 | 4 | 0 | 1.091 | 782.601 | 0.066 | 38.153 397k | 313k | 217k | 34k | 0.91 | 50 | |
| 16581 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.439 | 14 | 4 | 0 | 1.091 | 785.157 | 0.066 | 36.908 382k | 302k | 209k | 31k | 0.915 | 55 | |
| 16583 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.693 | 14 | 4 | 0 | 1.088 | 782.339 | 0.066 | 27.585 286k | 226k | 158k | 25k | 0.898 | 37 | |
| 16584 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.851 | 14 | 4 | 0 | 1.084 | 778.938 | 0.065 | 34.833 362k | 286k | 202k | 35k | 0.902 | 49 | |
| 16585 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 4.452 | 14 | 4 | 0 | 1.082 | 777.535 | 0.065 | 8.62 91k | 71k | 63k | 22k | 0.91 | 11 | |

Q²=3.85, W=2.62, LD-, SHMS=10.00deg – PART ONE

| Run Type | Target | EBeam | Theta_S P_SHMS | HMS | Theta_ P_HMS | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate (kHz) | SHMS_Rate (kHz) | Coin_Rate (kHz) | Charge (mC) | Raw_ HMS | Raw_ SHMS | Raw_ Coin | Raw_ EDTM | SHMS_Hadron_ Tracking | Comments |
|------------|--------|-------|-------------------|-------|-----------------|--------|---------|-----|-----|-----|-------------------|--------------------|--------------------|----------------|-------------|--------------|--------------|--------------|--------------------------|----------|
| 16588 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.161 | 14 | 6 | 0 | 3.237 | 730.349 | 0.17 | 93.016 255k | 231k | 447k | 32k | 0.888 | 102 | |
| 16589 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.514 | 14 | 6 | 0 | 3.252 | 736.523 | 0.171 | 94.953 259k | 236k | 452k | 29k | 0.891 | 87 | |
| 16590 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.157 | 14 | 6 | 0 | 3.168 | 715.513 | 0.165 | 80.688 221k | 201k | 385k | 28k | 0.882 | 87 | |
| 16591 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 35.49 | 14 | 6 | 0 | 3.306 | 749.654 | 0.174 | 133.241 363k | 331k | 633k | 36k | 0.883 | 136 | |
| 16592 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.552 | 14 | 6 | 0 | 3.264 | 736.447 | 0.171 | 99.437 273k | 248k | 476k | 31k | 0.88 | 91 | |
| 16594 Prod | LD2 | 6.395 | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|--------|--------|----|---|----|-------|---------|-------|---------|-------|------|------|-----|-------|-----|
| 16598 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 36.583 | 14 | 0 | -1 | 3.365 | 759.994 | 0.179 | 29.547 | 2667k | 74k | 142k | 8k | 0.886 | 31 |
| 16599 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 19.868 | 14 | 0 | -1 | 3.287 | 743.451 | 0.174 | 22.015 | 1987k | 55k | 110k | 11k | 0.882 | 19 |
| 16600 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.965 | 14 | 6 | 0 | 3.272 | 738.925 | 0.173 | 99.288 | 272k | 247k | 480k | 33k | 0.883 | 93 |
| 16601 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 24.543 | 14 | 6 | 0 | 3.208 | 724.728 | 0.168 | 80.306 | 220k | 200k | 390k | 32k | 0.891 | 91 |
| 16602 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.951 | 14 | 6 | 0 | 3.219 | 726.335 | 0.169 | 99.608 | 273k | 248k | 479k | 34k | 0.884 | 100 |
| 16604 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 34.565 | 14 | 6 | 0 | 3.278 | 743.639 | 0.173 | 121.582 | 331k | 302k | 577k | 34k | 0.882 | 112 |
| 16605 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 34.35 | 14 | 6 | 0 | 3.295 | 744.493 | 0.174 | 130.635 | 357k | 325k | 624k | 37k | 0.884 | 134 |
| 16606 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.865 | 14 | 6 | 0 | 3.262 | 739.034 | 0.172 | 133.38 | 364k | 332k | 634k | 38k | 0.883 | 133 |
| 16607 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.042 | 14 | 6 | 0 | 3.303 | 746.821 | 0.175 | 106.687 | 292k | 265k | 514k | 33k | 0.889 | 95 |
| 16608 Prod | Dummy10cm | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 35.274 | 14 | 6 | 0 | 0.438 | 152.685 | 0.014 | 133.971 | 46k | 65k | 53k | 38k | 0.884 | 3 |
| 16609 Prod | Dummy10cm | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 35.494 | 14 | 6 | 0 | 0.431 | 151.321 | 0.014 | 74.728 | 26k | 36k | 29k | 21k | 0.891 | 3 |
| 16610 Prod | Dummy10cm | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 30.055 | 14 | 6 | 0 | 0.423 | 148.888 | 0.014 | 83.71 | 29k | 41k | 37k | 28k | 0.902 | 7 |
| 16611 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 32.147 | 14 | 6 | 0 | 3.225 | 731.201 | 0.17 | 110.317 | 301k | 275k | 526k | 33k | 0.884 | 105 |
| 16612 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 11.377 | 14 | 6 | 0 | 3.269 | 740.607 | 0.173 | 66.108 | 181k | 164k | 357k | 61k | 0.883 | 71 |
| 16613 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.22 | 14 | 6 | 0 | 3.229 | 735.43 | 0.171 | 114.53 | 311k | 285k | 546k | 36k | 0.879 | 116 |
| 16614 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 32.514 | 14 | 6 | 0 | 3.244 | 738.821 | 0.171 | 116.074 | 315k | 289k | 552k | 35k | 0.885 | 122 |
| 16615 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.317 | 14 | 6 | 0 | 3.254 | 738.068 | 0.171 | 119.072 | 324k | 296k | 566k | 35k | 0.886 | 118 |
| 16616 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.797 | 14 | 6 | 0 | 3.214 | 729.073 | 0.169 | 103.31 | 281k | 257k | 494k | 35k | 0.88 | 110 |
| 16617 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.941 | 14 | 6 | 0 | 3.277 | 744.452 | 0.173 | 115.376 | 313k | 287k | 550k | 35k | 0.887 | 128 |
| 16618 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 29.023 | 14 | 6 | 0 | 3.215 | 732.288 | 0.169 | 103.28 | 280k | 257k | 492k | 35k | 0.879 | 106 |
| 16619 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 32.787 | 14 | 6 | 0 | 3.251 | 738.584 | 0.171 | 116.5 | 317k | 290k | 554k | 34k | 0.888 | 118 |
| 16620 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 32.773 | 14 | 6 | 0 | 3.281 | 743.4 | 0.174 | 117.179 | 320k | 292k | 562k | 35k | 0.888 | 120 |
| 16621 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 25.481 | 14 | 6 | 0 | 3.194 | 723.241 | 0.168 | 90.221 | 247k | 225k | 438k | 35k | 0.885 | 103 |
| 16622 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 30.687 | 14 | 6 | 0 | 3.227 | 735.273 | 0.171 | 109.936 | 298k | 273k | 527k | 35k | 0.883 | 107 |
| 16623 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 34.27 | 14 | 6 | 0 | 3.313 | 751.438 | 0.177 | 119.767 | 326k | 298k | 577k | 34k | 0.883 | 117 |
| 16624 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 28.234 | 14 | 6 | 0 | 3.312 | 752.791 | 0.177 | 102.159 | 278k | 254k | 498k | 35k | 0.877 | 95 |
| 16625 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 23.749 | 14 | 6 | 0 | 3.35 | 759.112 | 0.18 | 35.076 | 96k | 87k | 175k | 15k | 0.881 | 35 |

$Q^2=1.60, W=3.08, LD-, SHMS=7.495\text{deg}$

| Run Type | Target | EBeam | P_SHMS | Theta_S HMS | Theta_ P_HMS HMS | Current | PS1 | PS4 | PS5 | HMS_Rate_ (kHz) | SHMS_Rate_ (kHz) | Coin_Rate_ (kHz) | Charge_ (mC) | Raw_ HMS | Raw_S HMS | Raw_ Coin | EDTM | SHMS_Hadron_ Tracking | Comments | |
|------------|-----------|-------|--------|----------------|---------------------|---------|--------|-----|-----|--------------------|---------------------|---------------------|-----------------|-------------|--------------|--------------|------|--------------------------|----------|-----|
| 16626 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.464 | 14 | 7 | 0 | 4.832 | 753.147 | 0.249 | 19.523 | 182k | 225k | 609k | 26k | 0.871 | 99 |
| 16627 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.431 | 14 | 7 | 0 | 4.82 | 751.875 | 0.249 | 25.203 | 234k | 290k | 787k | 33k | 0.876 | 114 |
| 16630 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.839 | 14 | 0 | -1 | 4.856 | 754.677 | 0.251 | 4.313 | 2610k | 50k | 135k | 4k | 0.87 | 10 |
| 16631 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 3.116 | 14 | 0 | -1 | 0 | 0 | 0 | 0.482k | 9k | 15k | 3k | 0.863 | 1 | |
| 16632 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 4.14 | 14 | 0 | -1 | 3.099 | 489.279 | 0.11 | 4.95 | 3220k | 62k | 117k | 13k | 0.868 | 25 |
| 16634 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 5.018 | 14 | 0 | -1 | 3.093 | 491.396 | 0.109 | 4.686 | 2941k | 57k | 104k | 10k | 0.862 | 21 |
| 16635 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 4.526 | 14 | 0 | -1 | 3.081 | 487.633 | 0.11 | 4.537 | 3092k | 60k | 111k | 11k | 0.864 | 31 |
| 16638 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.425 | 14 | 7 | 0 | 4.815 | 753.369 | 0.249 | 25.047 | 232k | 288k | 781k | 33k | 0.877 | 123 |
| 16639 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.521 | 14 | 7 | 0 | 4.862 | 752.038 | 0.251 | 26.142 | 245k | 300k | 822k | 34k | 0.876 | 139 |
| 16640 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.921 | 14 | 7 | 0 | 4.83 | 753.016 | 0.25 | 20.394 | 191k | 236k | 642k | 30k | 0.881 | 103 |
| 16641 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.309 | 14 | 7 | 0 | 4.824 | 750.395 | 0.249 | 26.19 | 245k | 302k | 821k | 35k | 0.876 | 145 |
| 16642 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.888 | 14 | 7 | 0 | 4.829 | 751.581 | 0.249 | 24.59 | 229k | 283k | 773k | 36k | 0.879 | 133 |
| 16643 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.84 | 14 | 7 | 0 | 4.834 | 750.997 | 0.249 | 23.612 | 220k | 272k | 742k | 35k | 0.88 | 114 |
| 16644 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.386 | 14 | 7 | 0 | 4.826 | 752.213 | 0.25 | 25.722 | 240k | 296k | 805k | 34k | 0.875 | 110 |
| 16645 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.105 | 14 | 7 | 0 | 4.883 | 754.748 | 0.253 | 24.764 | 231k | 284k | 781k | 34k | 0.882 | 115 |
| 16646 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.461 | 14 | 7 | 0 | 4.852 | 749.902 | 0.25 | 22.162 | 207k | 253k | 699k | 35k | 0.871 | 101 |
| 16647 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.074 | 14 | 7 | 0 | 4.84 | 750.776 | 0.249 | 24.512 | 228k | 280k | 767k | 34k | 0.873 | 141 |
| 16648 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.281 | 14 | 7 | 0 | 4.808 | 746.868 | 0.247 | 25.419 | 237k | 291k | 793k | 34k | 0.876 | 131 |
| 16649 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.441 | 14 | 7 | 0 | 4.831 | 745.796 | 0.247 | 26.035 | 244k | 299k | 813k | 34k | 0.873 | 122 |
| 16650 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.061 | 14 | 7 | 0 | 4.774 | 743.414 | 0.245 | 24.585 | 228k | 282k | 764k | 34k | 0.876 | 137 |
| 16651 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.963 | 14 | 7 | 0 | 4.823 | 744.374 | 0.247 | 24.222 | 226k | 277k | 758k | 34k | 0.879 | 120 |
| 16652 Prod | Dummy10cm | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 33.334 | 14 | 6 | 0 | 2.537 | 674.103 | 0.126 | 59.053 | 121k | 130k | 201k | 17k | 0.855 | 16 |
| 16654 Prod | Dummy10cm | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 30.992 | 14 | 6 | 0 | 2.55 | 675.546 | 0.127 | 49.652 | 102k | 109k | 170k | 16k | 0.848 | 14 |
| 16655 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.272 | 14 | 7 | 0 | 4.803 | 745.635 | 0.246 | 25.621 | 239k | 294k | 797k | 35k | 0.878 | 141 |
| 16656 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.969 | 14 | 7 | 0 | 4.815 | 747.117 | 0.247 | 24.339 | 227k | 279k | 761k | 35k | 0.872 | 130 |
| 16657 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.28 | 14 | 7 | 0 | 4.863 | 750.812 | 0.251 | 25.541 | 239k | 292k | 805k | 35k | 0.879 | 119 |
| 16658 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.389 | 14 | 7 | 0 | 4.877 | 752.859 | 0.252 | 26.085 | 244k | 298k | 821k | 35k | 0.876 | 133 |
| 16659 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.375 | 14 | 7 | 0 | 4.867 | 753.258 | 0.252 | 26.014 | 243k | 298k | 821k | 35k | 0.875 | 114 |
| 16660 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.585 | 14 | 7 | 0 | 4.85 | 753.758 | 0.251 | 27.942 | 260k | 320k | 875k | 36k | 0.877 | 133 |
| 16661 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 3.787 | 14 | 7 | 0 | 4.906 | 754.729 | 0.254 | 3.856 | 36k | 44k | 129k | 12k | 0.891 | 14 |
| 16662 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.932 | 14 | 7 | 0 | 4.892 | 752.366 | 0.253 | 24.273 | 228k | 278k | 771k | 35k | 0.877 | 116 |
| 16663 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.28 | 14 | 7 | 0 | 4.879 | 751.805 | 0.252 | 26.899 | 252k | 308k | 852k | 36k | 0.877 | 114 |
| 16664 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.139 | 14 | 7 | 0 | 4.876 | 755.025 | 0.253 | 24.684 | 230k | 282k | 779k | 34k | 0.878 | 101 |
| 16665 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.217 | 14 | 7 | 0 | 4.855 | 751.587 | 0.251 | 24.203 | 227k | 278k | 763k | 33k | | |

| | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|-------|------|---------|-------|----|---|---|-------|---------|-------|-------------|------|------|-----|-------|-----|
| 16674 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.259 | 14 | 7 | 0 | 4.658 | 726.999 | 0.234 | 24.72 228k | 283k | 747k | 33k | 0.88 | 133 |
| 16675 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.482 | 14 | 7 | 0 | 4.673 | 729.137 | 0.234 | 26.415 244k | 302k | 795k | 34k | 0.878 | 124 |
| 16676 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.25 | 14 | 7 | 0 | 4.683 | 728.389 | 0.235 | 27.479 255k | 315k | 833k | 37k | 0.879 | 124 |
| 16677 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.105 | 14 | 7 | 0 | 4.687 | 728.769 | 0.235 | 28.439 264k | 326k | 865k | 39k | 0.88 | 134 |
| 16678 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 6.974 | 14 | 7 | 0 | 4.685 | 728.208 | 0.235 | 25.696 239k | 295k | 782k | 36k | 0.88 | 114 |
| 16679 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.299 | 14 | 7 | 0 | 4.716 | 730.555 | 0.237 | 25.886 241k | 296k | 790k | 35k | 0.879 | 120 |
| 16680 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.367 | 14 | 7 | 0 | 4.724 | 730.437 | 0.237 | 26.54 248k | 304k | 811k | 35k | 0.882 | 140 |
| 16681 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.398 | 14 | 7 | 0 | 4.723 | 730.613 | 0.237 | 25.692 240k | 295k | 785k | 34k | 0.88 | 120 |
| 16682 Prod | LD2 | 6.395 | 5.422 | 7.495 | 0.96 | -29.545 | 7.19 | 14 | 7 | 0 | 4.734 | 728.301 | 0.237 | 19.392 182k | 222k | 595k | 26k | 0.875 | 110 |

Heep Singles

| Run Type | Target | EBeam | Theta_S | | Theta | | Current | PS1 | PS4 | PS5 | HMS_Rate_ (kHz) | SHMS_Rate_ (kHz) | Coin_Rate_ (kHz) | Charge_Raw_ (mC) | Raw_S_Raw_ HMS | Raw_Coin_ EDTM | SHMS_Hadron_ Tracking | Comments | |
|----------------|-----------|-------|---------|--------|-------|---------|---------|-----|-----|-----|-----------------|------------------|------------------|------------------|------------------|----------------|-----------------------|------------------|--|
| | | | P_SHMS | HMS | P_HMS | HMS | | | | | | | | | | | | | |
| 16683 HeePSing | LH2 | 6.395 | 6.265 | 7.995 | 5.587 | -13.295 | 9.597 | 0 | 3 | -1 | 5.788 | 291.185 | 291.185 | 6.096 725k | -182244k-182244k | | 0.992 | | |
| 16684 HeePSing | Dummy10cm | 6.395 | 6.265 | 7.995 | 5.587 | -13.295 | 23.261 | 0 | 3 | -1 | 6.387 | 372.267 | 372.267 | 14.453 506k | -146714k-146714k | | 0.99 | | |
| 16685 HeePSing | Dummy10cm | 6.395 | 5.512 | 10.495 | 5.32 | -15.05 | 38.481 | 0 | 2 | -1 | 2.846 | 93.757 | 93.757 | 15.94 381k | -37634k -37634k | 4k | 0.996 | | |
| 16686 HeePSing | LH2 | 6.395 | 5.512 | 10.495 | 5.32 | -15.05 | 9.78 | 7 | 1 | -1 | 2.393 | 67.486 | 67.486 | 5.968 730k | 634k | 634k | 6k | 0.997 | |
| 16688 HeePSing | LH2 | 6.395 | 5.422 | 12.445 | 4.752 | -17.445 | 8.287 | 5 | 0 | -1 | 1.242 | 21.839 | 21.839 | 7.555 972k | 1004k | 1004k | 9k | 0.998 | |
| 16689 HeePSing | Dummy10cm | 6.395 | 5.422 | 12.445 | 4.752 | -17.445 | 30.197 | 6 | 0 | -1 | 1.245 | 25.163 | 25.163 | 15.986 589k | 360k | 360k | 5k | 0.998 | |
| 16691 HeePSing | Dummy10cm | 6.395 | 5.422 | 14.345 | 4.256 | -19.9 | 31.601 | 4 | 0 | -1 | 0.692 | 8.596 | 8.596 | 17.506 338k | 467k | 467k | 6k | 0.998 | |
| 16692 HeePSing | LH2 | 6.395 | 5.422 | 14.345 | 4.256 | -19.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0 | |
| 16695 HeePSing | LH2 | 6.395 | 5.127 | 16.295 | 3.761 | -28.405 | 60.94 | 5 | 0 | -1 | 0.075 | 22.154 | 22.154 | 67.194 71k | 1215k | 1215k | 11k | 0.997 | |
| 16696 HeePSing | Dummy10cm | 6.395 | 5.127 | 16.295 | 3.761 | -28.405 | 27.752 | 5 | 0 | -1 | 0.023 | 3.802 | 3.802 | 18.692 13k | 109k | 109k | 7k | 0.998 | |
| 16697 HeePSing | LH2 | 6.395 | 4.605 | 19.65 | 3.3 | -29.55 | 77.585 | 5 | 0 | -1 | 0.186 | 7.054 | 7.054 | 69.492 162k | 360k | 360k | 9k | 0.998 heepsingle | |
| 16698 HeePSing | Dummy10cm | 6.395 | 4.605 | 19.65 | 3.3 | -29.55 | 36.656 | 5 | 0 | -1 | 0.038 | 1.025 | 1.025 | 25.109 26k | 41k | 41k | 7k | 0.998 heepsingle | |
| 16699 HeePSing | LH2 | 6.395 | 4.2 | 21.635 | 3 | -33.95 | 54.039 | 4 | 0 | -1 | 0.043 | 3.992 | 3.992 | 129.541 83k | 780k | 780k | 24k | 0.998 heepsingle | |
| 16700 HeePSing | Dummy10cm | 6.395 | 4.2 | 21.635 | 3 | -33.95 | 39.82 | 4 | 0 | -1 | 0.019 | 0.689 | 0.689 | 17.771 8k | 34k | 34k | 4k | 0.998 heepsingle | |
| 16701 HeePSing | LH2 | 6.395 | 4.2 | 23.645 | 3 | -33.95 | 56.88 | 0 | 0 | -1 | 0.042 | 1.46 | 1.46 | 132.601 83k | 2757k | 2757k | 23k | 0.998 heepsingle | |
| 16702 HeePSing | Dummy10cm | 6.395 | 4.2 | 23.645 | 3 | -33.95 | 34.238 | 0 | 0 | -1 | 0.018 | 0.245 | 0.245 | 23.573 12k | 158k | 158k | 7k | 0.998 heepsingle | |

HMS Lumi Scan

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|------|--------|------|-----|--------|---|---|----|---------|---------|---------|---------------|------------------|------|-----|-------------|--------|--|
| 16703 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 52.211 | 0 | 8 | -1 | 80.208 | 303.034 | 303.034 | 134.194 1606k | -782662k-782662k | 28k | | 0.971 80uA | | |
| 16704 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 50.202 | 0 | 8 | -1 | 78.125 | 297.088 | 297.088 | 83.428 1009k | -494776k-494776k | 18k | | 0.983 60uA | | |
| 16706 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 35.488 | 0 | 7 | -1 | 55.124 | 213.001 | 213.001 | 41.984 1006k | -252687k-252687k | 6k | | 0.98 40uA | | |
| 16708 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 21.96 | 0 | 5 | -1 | 34.256 | 133.297 | 133.297 | 15.982 1474k | -97478k -97478k | 8k | | 0.986 25uA | | |
| 16709 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 13.415 | 0 | 5 | -1 | 21.107 | 82.28 | 82.28 | 10.965 1024k | -67836k -67836k | 8k | | 0.995 15uA | | |
| 16710 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 7.523 | 0 | 5 | -1 | 12.048 | 46.891 | 46.891 | 11.172 1061k | -70177k -70177k | 15k | | 0.977 8uA | | |
| 16711 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 2.298 | 0 | 5 | -1 | 0 | 0 | 0 | 1.576 0k | 0k | 0k | 7k | 1.25uA | | |
| 16712 Lumi | LH2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 2.259 | 0 | 1 | -1 | 3.399 | 13.294 | 13.294 | 1.392 1047k | -8191k -8191k | 6k | | 0.974 2.5uA | | |
| 16713 Lumi | Dummy10cm | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 35.84 | 0 | 4 | -1 | 18.741 | 77.981 | 77.981 | 21.46 1250k | -46822k -46822k | 6k | | 0.988 40uA | | |
| 16715 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 55.989 | 0 | 7 | -1 | 156.175 | 580.953 | 580.953 | 25.043 1075k | -259851k-259851k | 15k | | 0.943 80uA | | |
| 16716 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 67.178 | 0 | 7 | -1 | 186.121 | 219.175 | 219.175 | 32.395 1381k | -105692k-105692k | 6k | | 0.985 80uA | | |
| 16717 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 52.685 | 0 | 7 | -1 | 162.020 | 0 | 0 | 32.677 0k | 0k | 0k | 7k | 0.987 60uA | | |
| 16718 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 33.333 | 0 | 7 | -1 | 95.868 | 112.856 | 112.856 | 32.906 1456k | -111409k-111409k | 11k | | 0.989 40uA | | |
| 16719 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.25uA | | |
| 16721 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 12.747 | 0 | 5 | -1 | 0 | 0 | 0 | 9.124 0k | 0k | 0k | 7k | 0.993 15uA | | |
| 16722 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 7.289 | 0 | 4 | -1 | 21.418 | 25.151 | 25.151 | 4.728 1544k | -16314k -16314k | 7k | | 0.991 8uA | | |
| 16723 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 4.518 | 0 | 3 | -1 | 13.238 | 15.522 | 15.522 | 2.741 1606k | -9418k -9418k | 11k | | 0.993 5uA | | |
| 16725 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 2.269 | 0 | 2 | -1 | 6.403 | 7.489 | 7.489 | 1.709 1608k | -5640k -5640k | 13k | | 1.25uA | | |
| 16726 Lumi | LD2 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 1.262 | 0 | 0 | -1 | 2.84 | 3.306 | 3.306 | 0.812 1827k | -2127k -2127k | 13k | | 1.1uA | | |
| 16727 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 61.648 | 0 | 4 | -1 | 18.644 | 20.668 | 20.668 | 23.995 806k | -8045k -8045k | 29k | | 1.80uA | | |
| 16728 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 73.881 | 0 | 4 | -1 | 0 | 0 | 0 | 46.343 0k | 0k | 0k | 46k | 0.994 80uA | | |
| 16729 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 50.522 | 0 | 3 | -1 | 14.796 | 16.446 | 16.446 | 30.081 1762k | -9792k -9792k | 6k | | 1.60uA | | |
| 16731 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 23.956 | 0 | 2 | -1 | 7.052 | 7.831 | 7.831 | 15.091 1481k | -4933k -4933k | 6k | | 0.981 25uA | | |
| 16732 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 12.055 | 0 | 2 | -1 | 3.54 | 3.925 | 3.925 | 5.938 581k | -1933k -1933k | 5k | | 1.15uA | | |
| 16733 Lumi | Carbon0p5 | 6.395 | 4.77 | 10.995 | 3.97 | -14 | 14.258 | 0 | 1 | -1 | 0 | 0 | 0 | 8.62 0k | 0k | 0k | 6k | 1.15uA | | |
| 16734 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 6.954 | 0 | 0 | -1 | 2.056 | 2.279 | 2.279 | 5.092 1505k | -1669k -1669k | 15k | | 1.8uA | | |
| 16735 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 6.954 | 0 | 0 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5uA | |
| 16736 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 6.954 | 0 | 0 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.25uA | |
| 16737 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 1.238 | 0 | 0 | -1 | 0 | 0 | 0 | 0.437 0k | 0k | 0k | 7k | 0.10uA | | |
| 16738 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 1.211 | 0 | 0 | -1 | 0.265 | 0.292 | 0.292 | 1.813 -397k | 438k | 438k | 15k | 0.984 1.0uA | | |

SHMS Lumi Scan

| Run Type | Target | EBeam | Theta_S | | Theta | | Current | PS1 | PS4 | PS5 | HMS_Rate_ (kHz) | SHMS_Rate_ (kHz) | Coin_Rate_ (kHz) | Charge_Raw_ (mC) | Raw_S_Raw_ HMS | Raw_Coin_ EDTM | SHMS_Hadron_ Tracking | Comments | |
|------------|-----------|-------|---------|-------|-------|-----|---------|-----|-----|-----|-----------------|------------------|------------------|------------------|----------------|----------------|-----------------------|-------------|--|
| | | | P_SHMS | HMS | P_HMS | HMS | | | | | | | | | | | | | |
| 16739 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 2.538 | 0 | -1 | -1 | 0.763 | 0.845 | 0.845 | 1.906 -573k | 634k | 634k | 7k | 0.978 2.5uA | |
| 16740 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.5uA | |
| 16741 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.8uA | |
| 16742 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.15uA | |
| 16743 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.25uA | |
| 16744 Lumi | Carbon0p5 | 6.395 | 3.97 | 14.00 | 3.97 | -14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0k | 0k | 0k | 0 | 0.40uA | |

| | | | | | | | | | | | | | | | | | | | | | |
|------------|-----|-------|-------|------|------|--------|-------|----|---|---|-------|---------|-------|------------|------|------|-----|--|--|-------|-----|
| 16818 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.237 | 14 | 5 | 0 | 1.305 | 575.671 | 0.068 | 8.058 277k | 253k | 244k | 35k | | | 0.9 | 60 |
| 16819 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.172 | 14 | 5 | 0 | 1.241 | 547.173 | 0.065 | 7.685 258k | 236k | 230k | 34k | | | 0.887 | 64 |
| 16820 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.284 | 14 | 5 | 0 | 1.355 | 597.509 | 0.07 | 8.266 288k | 264k | 254k | 35k | | | 0.9 | 60 |
| 16821 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.242 | 14 | 5 | 0 | 1.312 | 577.33 | 0.068 | 7.93 273k | 249k | 241k | 34k | | | 0.906 | 69 |
| 16822 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.407 | 14 | 5 | 0 | 1.468 | 650.627 | 0.075 | 8.524 306k | 281k | 267k | 34k | | | 0.899 | 76 |
| 16823 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.287 | 14 | 5 | 0 | 1.347 | 597.039 | 0.07 | 8.038 279k | 256k | 245k | 34k | | | 0.901 | 47 |
| 16824 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.325 | 14 | 5 | 0 | 1.383 | 612.154 | 0.071 | 8.227 288k | 264k | 253k | 34k | | | 0.897 | 66 |
| 16825 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.175 | 14 | 5 | 0 | 1.239 | 544.614 | 0.065 | 7.77 260k | 238k | 233k | 35k | | | 0.897 | 63 |
| 16826 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.284 | 14 | 5 | 0 | 1.341 | 593.55 | 0.07 | 8.229 284k | 261k | 251k | 35k | | | 0.882 | 63 |
| 16827 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.252 | 14 | 5 | 0 | 1.311 | 579.775 | 0.068 | 8.037 275k | 253k | 244k | 35k | | | 0.903 | 61 |
| 16828 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.337 | 14 | 5 | 0 | 1.4 | 619.553 | 0.072 | 8.42 297k | 272k | 260k | 35k | | | 0.895 | 59 |
| 16829 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 1.499 | 14 | 5 | 0 | 0.573 | 251 | 0.035 | 5.348 120k | 109k | 125k | 35k | | | 0.904 | 30 |
| 16830 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 1.511 | 14 | 5 | 0 | 0.596 | 257.771 | 0.036 | 5.43 126k | 113k | 129k | 35k | | | 0.909 | 24 |
| 16831 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.066 | 14 | 5 | 0 | 1.133 | 502.254 | 0.06 | 7.363 238k | 218k | 214k | 35k | | | 0.9 | 63 |
| 16832 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.268 | 14 | 5 | 0 | 1.333 | 591.581 | 0.069 | 8.077 279k | 257k | 246k | 35k | | | 0.902 | 61 |
| 16833 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.148 | 14 | 5 | 0 | 1.216 | 538.39 | 0.064 | 7.609 253k | 233k | 226k | 34k | | | 0.891 | 44 |
| 16834 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.056 | 14 | 5 | 0 | 1.127 | 497.482 | 0.06 | 7.437 240k | 220k | 216k | 35k | | | 0.898 | 53 |
| 16835 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.182 | 14 | 5 | 0 | 1.242 | 551.742 | 0.065 | 7.713 258k | 238k | 231k | 34k | | | 0.9 | 59 |
| 16836 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 1.25 | 14 | 5 | 0 | 1.193 | 527.201 | 0.063 | 7.373 243k | 223k | 217k | 34k | | | 0.9 | 77 |
| 16837 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.274 | 14 | 5 | 0 | 1.334 | 593.861 | 0.069 | 7.779 268k | 248k | 235k | 33k | | | 0.895 | 68 |
| 16838 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.316 | 14 | 5 | 0 | 1.379 | 610.591 | 0.071 | 8.393 294k | 270k | 257k | 35k | | | 0.902 | 59 |
| 16839 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.298 | 14 | 5 | 0 | 1.357 | 604.642 | 0.07 | 8.192 285k | 263k | 250k | 35k | | | 0.902 | 73 |
| 16840 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.36 | 14 | 5 | 0 | 1.425 | 631.334 | 0.073 | 8.64 307k | 282k | 267k | 35k | | | 0.895 | 69 |
| 16841 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.212 | 14 | 5 | 0 | 1.277 | 566.964 | 0.066 | 8.077 274k | 253k | 242k | 35k | | | 0.896 | 60 |
| 16842 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 1.489 | 14 | 5 | 0 | 0.567 | 249.317 | 0.035 | 4.259 95k | 87k | 100k | 28k | | | 0.895 | 21 |
| 16843 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 1.974 | 14 | 5 | 0 | 1.041 | 461.917 | 0.056 | 8 248k | 228k | 228k | 40k | | | 0.899 | 65 |
| 16844 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.071 | 14 | 5 | 0 | 1.14 | 506.269 | 0.061 | 7.121 231k | 213k | 209k | 33k | | | 0.903 | 44 |
| 16845 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.253 | 14 | 5 | 0 | 1.307 | 584.951 | 0.068 | 8.569 293k | 272k | 259k | 37k | | | 0.897 | 103 |
| 16846 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.281 | 14 | 5 | 0 | 1.341 | 597.065 | 0.07 | 8.213 284k | 262k | 251k | 35k | | | 0.895 | 63 |
| 16847 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.309 | 14 | 5 | 0 | 1.361 | 608.076 | 0.071 | 8.773 304k | 282k | 268k | 37k | | | 0.899 | 86 |
| 16848 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.321 | 14 | 5 | 0 | 1.365 | 614.549 | 0.071 | 7.521 260k | 243k | 229k | 31k | | | 0.9 | 58 |
| 16849 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.405 | 14 | 5 | 0 | 1.459 | 651.817 | 0.075 | 9.465 338k | 313k | 294k | 38k | | | 0.898 | 63 |
| 16850 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.385 | 14 | 5 | 0 | 1.439 | 642.267 | 0.074 | 8.428 299k | 277k | 261k | 34k | | | 0.911 | 70 |
| 16851 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.303 | 14 | 5 | 0 | 1.362 | 606.703 | 0.071 | 8.334 290k | 268k | 256k | 35k | | | 0.911 | 65 |
| 16852 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.195 | 14 | 5 | 0 | 1.256 | 560.723 | 0.066 | 7.7 259k | 240k | 230k | 34k | | | 0.898 | 59 |
| 16853 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.229 | 14 | 5 | 0 | 1.286 | 575.228 | 0.067 | 8.039 273k | 253k | 241k | 35k | | | 0.895 | 74 |
| 16854 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.396 | 14 | 5 | 0 | 1.455 | 648.122 | 0.075 | 8.555 306k | 282k | 267k | 35k | | | 0.902 | 87 |
| 16855 Prod | LD2 | 6.395 | 5.422 | 6.00 | 0.96 | -29.55 | 2.128 | 14 | 5 | 0 | 1.194 | 530.103 | 0.063 | 7.598 251k | 231k | 225k | 35k | | | 0.892 | 59 |

Q²=3.85, W=2.62, LD-, SHMS=8.00deg - PART TWO

| Run Type | Target | EBeam | P_SHMS | HMS | Theta_S | Theta_HMS | HMS | Current | PS1 | PS4 | PS5 | HMS_Rate_ (kHz) | SHMS_Rate_ (kHz) | Coin_Rate_ (kHz) | Charge_Raw (mC) | Raw_HMS | Raw_S | Raw_Coin | EDTM | SHMS_Hadron_Tracking | Comments | |
|------------|--------|-------|--------|------|---------|-----------|--------|---------|-----|-----|-----|-----------------|------------------|------------------|-----------------|---------|-------|----------|------|----------------------|----------|----|
| 16856 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.729 | 14 | 4 | 0 | | 1.006 | 716.197 | 0.061 | 38.818 404k | 316k | 222k | 35k | | | 0.909 | 55 |
| 16857 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.501 | 14 | 4 | 0 | | 0.884 | 627.098 | 0.055 | 33.508 347k | 270k | 193k | 34k | | | 0.905 | 51 |
| 16858 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.694 | 14 | 4 | 0 | | 0.792 | 567.771 | 0.05 | 18.96 192k | 151k | 109k | 21k | | | 0.92 | 25 |
| 16859 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.365 | 14 | 4 | 0 | | 0.765 | 545.227 | 0.048 | 30.321 308k | 241k | 174k | 35k | | | 0.909 | 50 |
| 16860 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.285 | 14 | 4 | 0 | | 0.957 | 684.143 | 0.058 | 45.157 467k | 367k | 256k | 42k | | | 0.901 | 57 |
| 16861 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.515 | 14 | 4 | 0 | | 0.868 | 629.365 | 0.054 | 3.588 36k | 29k | 20k | 4k | | | 0.913 | 7 |
| 16862 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.571 | 14 | 4 | 0 | | 0.991 | 704.598 | 0.06 | 38.355 399k | 312k | 219k | 35k | | | 0.914 | 47 |
| 16863 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.996 | 14 | 5 | 0 | | 0.82 | 591.201 | 0.051 | 23.709 127k | 190k | 135k | 26k | | | 0.921 | 47 |
| 16864 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.405 | 14 | 5 | 0 | | 0.969 | 692.067 | 0.059 | 36.897 202k | 300k | 210k | 34k | | | 0.905 | 54 |
| 16865 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.604 | 14 | 5 | 0 | | 0.986 | 706.913 | 0.06 | 38.944 213k | 317k | 221k | 35k | | | 0.908 | 52 |
| 16866 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.203 | 14 | 5 | 0 | | 1.046 | 749.849 | 0.064 | 40.549 223k | 331k | 231k | 35k | | | 0.912 | 64 |
| 16867 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.295 | 14 | 5 | 0 | | 1.052 | 756.7 | 0.064 | 40.714 223k | 333k | 229k | 35k | | | 0.901 | 72 |
| 16868 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.538 | 14 | 5 | 0 | | 0.982 | 701.714 | 0.06 | 37.442 205k | 304k | 213k | 34k | | | 0.904 | 67 |
| 16869 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.083 | 14 | 5 | 0 | | 1.031 | 740.78 | 0.063 | 41.529 227k | 339k | 234k | 36k | | | 0.901 | 69 |
| 16870 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.749 | 14 | 5 | 0 | | 1 | 717.274 | 0.061 | 39.283 215k | 320k | 223k | 35k | | | 0.909 | 61 |
| 16871 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.408 | 14 | 5 | 0 | | 1.066 | 764.769 | 0.064 | 40.93 225k | 335k | 231k | 34k | | | 0.908 | 61 |
| 16872 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.943 | 14 | 5 | 0 | | 1.02 | 731.114 | 0.062 | 41.478 227k | 338k | 234k | 37k | | | 0.911 | 64 |
| 16873 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.651 | 14 | 5 | 0 | | 0.99 | 709.847 | 0.06 | 40.975 224k | 333k | 233k | 37k | | | 0.916 | 46 |
| 16874 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.959 | 14 | 5 | 0 | | 1.016 | 731.799 | 0.062 | 38.248 209k | 312k | 216k | 34k | | | 0.918 | 55 |
| 16875 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.393 | 14 | 5 | 0 | | 0.967 | 690.486 | 0.059 | 39.648 217k | 322k | 226k | 37k | | | 0.913 | 56 |
| 16876 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.987 | 14 | 5 | 0 | | 1.019 | 734.216 | 0.062 | 38.529 210k | 314k | 218k | 34k | | | 0.917 | 66 |
| 16877 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 7.031 | 14 | 5 | 0 | | 0.623 | 445.769 | 0.042 | 26.891 140k | 208k | 159k | 37k | | | 0.919 | 36 |
| 16878 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.214 | 14 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|--------|--------|----|---|---|-------|---------|-------|---------|------|------|------|-----|-------|-----------------------|
| 16884 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.613 | 14 | 6 | 0 | 3.041 | 684.294 | 0.16 | 130.462 | 358k | 324k | 621k | 37k | 0.884 | 135 |
| 16885 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 36.187 | 14 | 6 | 0 | 3.291 | 737.16 | 0.175 | 115.766 | 319k | 288k | 560k | 31k | 0.885 | 136 |
| 16886 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.528 | 14 | 6 | 0 | 3.044 | 682.389 | 0.161 | 134.031 | 369k | 333k | 644k | 39k | 0.89 | 142 |
| 16887 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 34.008 | 14 | 6 | 0 | 3.093 | 691.95 | 0.164 | 127.51 | 351k | 317k | 616k | 36k | 0.888 | 126 |
| 16888 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 35.4 | 14 | 6 | 0 | 3.238 | 721.2 | 0.172 | 132.722 | 368k | 330k | 644k | 36k | 0.891 | 131 |
| 16889 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.13 | 14 | 6 | 0 | 3.025 | 674.096 | 0.16 | 121.246 | 335k | 301k | 586k | 35k | 0.884 | 128 |
| 16890 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.864 | 14 | 6 | 0 | 3.08 | 688.907 | 0.164 | 121.096 | 334k | 301k | 587k | 35k | 0.89 | 106 |
| 16891 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.436 | 14 | 6 | 0 | 3.061 | 680.403 | 0.162 | 130.807 | 363k | 325k | 634k | 38k | 0.885 | 137 |
| 16892 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 31.806 | 14 | 6 | 0 | 2.913 | 646.511 | 0.155 | 114.718 | 318k | 285k | 558k | 35k | 0.886 | 101 |
| 16893 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 33.516 | 14 | 6 | 0 | 3.076 | 682.049 | 0.163 | 123.308 | 343k | 306k | 601k | 36k | 0.89 | 120 |
| 16894 Prod | LD2 | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 35.164 | 14 | 6 | 0 | 3.218 | 716.771 | 0.171 | 162.806 | 451k | 405k | 792k | 45k | 0.888 | 157 |
| 16895 Prod | Dummy10cm | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 37.644 | 14 | 6 | 0 | 0.439 | 150.694 | 0.014 | 68.977 | 24k | 34k | 27k | 18k | 0.86 | 4 |
| 16897 Prod | Dummy10cm | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 37.151 | 14 | 6 | 0 | 0.43 | 148.666 | 0.014 | 181.775 | 64k | 89k | 70k | 48k | 0.884 | 17 |
| 16898 Prod | NO TARGET | 6.395 | 5.127 | 10.00 | 1.158 | -42.23 | 5.13 | 14 | 6 | 0 | 0.01 | 0.012 | 0.01 | 18.855 | 1k | 0k | 37k | 37k | | 0 BCM Calibration Run |

Q²=3.85, W=2.62, LD-, SHMS=8.00deg

| Run | Type | Target | EBeam | P_SHMS | Theta_S HMS | Theta_ P_HMS HMS | Current | PS1 | PS4 | PS5 | HMS_Rate_ (kHz) | SHMS_Rate_ (kHz) | Coin_Rate_ (kHz) | Charge_ (mC) | Raw_ HMS | Raw_S HMS | Raw_ Coin | EDTM | SHMS_Hadron_ Tracking | Comments | |
|------------|-----------|--------|-------|--------|----------------|------------------------|---------|-----|-----|-----|--------------------|---------------------|---------------------|-----------------|-------------|--------------|--------------|------|--------------------------|----------|----|
| 16899 Prod | Dummy10cm | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 33.491 | 14 | 6 | 0 | 0.387 | 435.52 | 0.023 | 60.004 | 21k | 95k | 40k | 17k | 0.847 | | 2 |
| 16900 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.371 | 14 | 4 | 0 | 0.762 | 543.105 | 0.049 | 30.182 | 305k | 239k | 176k | 35k | 0.907 | | 52 |
| 16901 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.921 | 14 | 4 | 0 | 1.015 | 729.607 | 0.062 | 38.79 | 400k | 316k | 220k | 34k | 0.916 | | 56 |
| 16902 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.757 | 14 | 4 | 0 | 0.999 | 717.553 | 0.061 | 38.314 | 396k | 312k | 218k | 34k | 0.908 | | 49 |
| 16903 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.907 | 14 | 4 | 0 | 0.913 | 655.694 | 0.057 | 35.214 | 360k | 284k | 201k | 34k | 0.902 | | 39 |
| 16904 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.454 | 14 | 4 | 0 | 0.867 | 623.175 | 0.054 | 33.875 | 345k | 273k | 194k | 35k | 0.915 | | 48 |
| 16905 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 8.439 | 14 | 4 | 0 | 0.766 | 549.411 | 0.049 | 29.89 | 302k | 238k | 173k | 34k | 0.911 | | 49 |
| 16906 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.224 | 14 | 4 | 0 | 0.942 | 680.178 | 0.058 | 36.366 | 372k | 295k | 205k | 34k | 0.908 | | 55 |
| 16907 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 9.578 | 14 | 4 | 0 | 0.881 | 633.166 | 0.055 | 34.309 | 351k | 277k | 196k | 35k | 0.908 | | 50 |
| 16908 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.99 | 14 | 4 | 0 | 1.016 | 734.713 | 0.062 | 40.897 | 420k | 334k | 231k | 36k | 0.906 | | 61 |
| 16909 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.79 | 14 | 4 | 0 | 0.999 | 719.832 | 0.061 | 42.352 | 436k | 345k | 240k | 38k | 0.917 | | 57 |
| 16910 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 11.313 | 14 | 4 | 0 | 1.051 | 757.356 | 0.064 | 40.721 | 421k | 333k | 230k | 35k | 0.912 | | 57 |
| 16911 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.912 | 14 | 4 | 0 | 1.011 | 729.288 | 0.062 | 38.62 | 398k | 315k | 218k | 34k | 0.907 | | 57 |
| 16912 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.87 | 14 | 4 | 0 | 1.006 | 726.238 | 0.061 | 47.976 | 493k | 391k | 271k | 42k | 0.908 | | 78 |
| 16913 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.85 | 14 | 4 | 0 | 1.004 | 724.296 | 0.061 | 31.295 | 322k | 255k | 176k | 28k | 0.906 | | 35 |
| 16914 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.477 | 14 | 4 | 0 | 0.965 | 697.757 | 0.059 | 36.685 | 376k | 298k | 208k | 34k | 0.914 | | 49 |
| 16915 Prod | LD2 | 6.395 | 5.127 | 8.00 | 1.158 | -42.23 | 10.294 | 14 | 4 | 0 | 0.957 | 684.997 | 0.059 | 36.916 | 381k | 300k | 211k | 35k | 0.901 | | 59 |