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# List of Runs Taken with the W-DHCAL

| Time                | Run Number | Type     | Momentum [GeV] | Polarity | Trigger | nEvents | Comment   | Bad Run |
|---------------------|------------|----------|----------------|----------|---------|---------|---|---------|
| 0001-01-01 00:00:00 | 660052     | beamData | 9              | -        | 10x10   | 78536   | varying Cherenkov pressure during run   | False   |
| 0001-01-01 00:00:00 | 660053     | DhcNoise | 0              | unknown  | unknown | 0       | Noisy chip Crate 221, Slot 14, Dcon 8 masked  | False   |
| 0001-01-01 00:00:00 | 660054     | beamData | 9              | -        | 10x10   | 100025  |   | False   |
| 0001-01-01 00:00:00 | 660055     | beamData | 9              | -        | 10x10   | 101045  |   | False   |
| 0001-01-01 00:00:00 | 660056     | beamData | 9              | -        | 10x10   | 84249   |   | False   |
| 0001-01-01 00:00:00 | 660057     | beamData | 9              | -        | 10x10   | 22241   | 3rd spill immediately after 2nd spill. 3rd spill is never seen and fastRPC is out of sync | False   |
| 0001-01-01 00:00:00 | 660058     | beamData | 9              | -        | 10x10   | 106373  |   | False   |
| 0001-01-01 00:00:00 | 660059     | beamData | 9              | -        | 10x10   | 101669  | N   | False   |
| 0001-01-01 00:00:00 | 660060     | beamData | 9              | -        | 10x10   | 109905  |   | False   |
| 0001-01-01 00:00:00 | 660061     | beamData | 9              | -        | 10x10   | 76685   |   | False   |
| 0001-01-01 00:00:00 | 660062     | DhcNoise | 0              | unknown  | unknown | 0       | Short noise run to test kill masks  | False   |
| 0001-01-01 00:00:00 | 660063     | DhcNoise | 0              | unknown  | unknown | 0       | Second kill mask test   | False   |
| 0001-01-01 00:00:00 | 660064     | DhcNoise | 0              | unknown  | unknown | 0       | Third kill mask test  | False   |
| 0001-01-01 00:00:00 | 660065     | DhcNoise | 0              | unknown  | unknown | 0       | fourth and last kill mask test  | False   |
| 0001-01-01 00:00:00 | 660066     | beamData | 9              | -        | 10x10   | 13815   |   | False   |
| 0001-01-01 00:00:00 | 660067     | beamData | 9              | -        | 10x10   | 21578   | at end of run, trigger went wrong   | False   |
| 0001-01-01 00:00:00 | 660068     | beamData | 9              | -        | 10x10   | 0       | Cherenkov pressure during run was changing  | False   |
| 0001-01-01 00:00:00 | 660069     | DhcNoise | 0              | unknown  | unknown | 0       |   | False   |
| 0001-01-01 00:00:00 | 660070     | beamData | 9              | -        | 10x10   | 52856   |   | False   |
| 0001-01-01 00:00:00 | 660071     | DhcNoise | 0              | unknown  | unknown | 0       |   | False   |
| 0001-01-01 00:00:00 | 660072     | DhcNoise | 0              | unknown  | unknown | 0       |   | False   |
| 0001-01-01 00:00:00 | 660073     | DhcNoise | 0              | unknown  | unknown | 0       |   | False   |
| 0001-01-01 00:00:00 | 660074     | beamData | 3              | -        | 10x10   | 75660   |   | False   |

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|                        |        |          |   |         |         |        |  |       |
|------------------------|--------|----------|---|---------|---------|--------|--|-------|
| 0001-01-01<br>00:00:00 | 660075 | beamData | 3 | -       | 10x10   | 111382 |  | False |
| 0001-01-01<br>00:00:00 | 660076 | beamData | 3 | -       | 10x10   | 189076 |  | False |
| 0001-01-01<br>00:00:00 | 660077 | beamData | 3 | -       | 10x10   | 211109 |  | False |
| 0001-01-01<br>00:00:00 | 660078 | beamData | 3 | -       | 10x10   | 96700  |  | False |
| 0001-01-01<br>00:00:00 | 660079 | DhcNoise | 0 | unknown | unknown | 0      |  | False |
| 0001-01-01<br>00:00:00 | 660080 | beamData | 3 | -       | 10x10   | 168010 |  | False |
| 0001-01-01<br>00:00:00 | 660081 | beamData | 3 | -       | 10x10   | 154248 |  | False |
| 0001-01-01<br>00:00:00 | 660082 | beamData | 1 | -       | 10x10   | 100226 |  | False |
| 0001-01-01<br>00:00:00 | 660083 | beamData | 1 | -       | 10x10   | 194597 |  | False |
| 0001-01-01<br>00:00:00 | 660084 | beamData | 1 | -       | 10x10   | 220458 |  | False |
| 0001-01-01<br>00:00:00 | 660085 | beamData | 1 | -       | 10x10   | 25379  |  | False |
| 0001-01-01<br>00:00:00 | 660086 | beamData | 5 | -       | 10x10   | 114368 |  | False |
| 0001-01-01<br>00:00:00 | 660087 | beamData | 5 | -       | 10x10   | 101779 |  | False |
| 0001-01-01<br>00:00:00 | 660088 | DhcNoise | 0 | unknown | unknown | 0      |  | False |
| 0001-01-01<br>00:00:00 | 660089 | beamData | 5 | -       | 10x10   | 106521 |  | False |
| 0001-01-01<br>00:00:00 | 660090 | beamData | 5 | -       | 10x10   | 132585 |  | False |
| 0001-01-01<br>00:00:00 | 660091 | beamData | 5 | -       | 10x10   | 99472  |  | False |
| 0001-01-01<br>00:00:00 | 660092 | beamData | 5 | -       | 10x10   | 112885 |  | False |
| 0001-01-01<br>00:00:00 | 660093 | beamData | 5 | -       | 10x10   | 114545 |  | False |
| 0001-01-01<br>00:00:00 | 660094 | beamData | 5 | -       | 10x10   | 178748 |  | False |
| 0001-01-01<br>00:00:00 | 660095 | beamData | 5 | -       | 10x10   | 224332 |  | False |
| 0001-01-01<br>00:00:00 | 660096 | beamData | 7 | -       | 10x10   | 220466 |  | False |
| 0001-01-01<br>00:00:00 | 660097 | DhcNoise | 0 | unknown | unknown | 0      |  | False |
| 0001-01-01<br>00:00:00 | 660098 | beamData | 7 | -       | 10x10   | 105399 |  | False |
| 2012-05-20<br>19:54:53 | 660099 | beamData | 7 | -       | 10x10   | 131012 | only 2 spills / supercycle<br>during part of the run | False |
| 2012-05-20<br>21:58:50 | 660100 | beamData | 7 | -       | 10x10   | 165832 |  | False |

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|                        |        |          |   |         |       |        |  |       |
|------------------------|--------|----------|---|---------|-------|--------|--|-------|
| 2012-05-20<br>22:07:19 | 660101 | DhcNoise | 0 | unknown | 10x10 | 0      |  | False |
| 2012-05-21<br>00:37:36 | 660102 | beamData | 7 | -       | 10x10 | 193669 |  | False |
| 2012-05-21<br>02:47:14 | 660103 | beamData | 7 | -       | 10x10 | 293847 |  | False |
| 2012-05-21<br>04:43:23 | 660104 | beamData | 7 | -       | 10x10 | 1      | junk run, just start/stop  | True  |
| 2012-05-21<br>04:51:46 | 660105 | beamData | 7 | -       | 10x10 | 211941 |  | False |
| 2012-05-21<br>06:56:57 | 660106 | beamData | 7 | -       | 10x10 | 168024 |  | False |
| 2012-05-21<br>07:01:15 | 660107 | DhcNoise | 0 | unknown | 10x10 | 0      |  | False |
| 2012-05-21<br>07:45:06 | 660108 | beamData | 7 | -       | 10x10 | 56554  |  | False |
| 2012-05-21<br>10:06:32 | 660109 | beamData | 2 | -       | 10x10 | 162502 | Layer 9 middle RPC is inefficient. Probably connector problem  | False |
| 2012-05-21<br>10:18:08 | 660110 | DhcNoise | 0 | unknown | 10x10 | 0      |  | False |
| 2012-05-21<br>12:16:44 | 660111 | beamData | 2 | -       | 10x10 | 114492 |  | False |
| 2012-05-21<br>14:29:00 | 660112 | beamData | 2 | -       | 10x10 | 76182  | beam condition changed dramatically during run. <40 triggers per spill, almost no electrons. Stopped the run.              | False |
| 2012-05-21<br>15:30:14 | 660113 | beamData | 2 | -       | 10x10 | 14793  | lineac problem, no beam for some time; report pressure measured in tent from now on  | False |
| 2012-05-21<br>17:36:50 | 660114 | beamData | 2 | -       | 10x10 | 159678 | layer 26 inefficient at beginning, recovered during run. Layer 9 alive.  | False |
| 2012-05-21<br>19:57:56 | 660115 | beamData | 2 | -       | 10x10 | 181812 | about 30 min into the run Lei reconnected HV of 34M and 37M, without effect. Layer 31 was inefficient for part of the run. | False |
| 2012-05-21<br>21:51:06 | 660116 | beamData | 2 | -       | 10x10 | 154830 |  | False |
| 2012-05-21<br>21:59:20 | 660117 | DhcNoise | 0 | unknown | 10x10 | 0      | noise calibration run  | False |
| 2012-05-21<br>23:40:37 | 660118 | beamData | 2 | -       | 10x10 | 100072 | layer 26 somewhat inefficient; for some time two consecutive spills in the cycle   | False |
| 2012-05-22<br>02:07:36 | 660119 | beamData | 4 | -       | 10x10 | 201491 |  | False |
| 2012-05-22<br>04:09:19 | 660120 | beamData | 4 | -       | 10x10 | 187353 |  | False |

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|                        |        |          |   |         |         |        |  |       |
|------------------------|--------|----------|---|---------|---------|--------|--|-------|
| 2012-05-22<br>06:06:32 | 660121 | beamData | 4 | -       | 10x10   | 151896 |  | False |
| 2012-05-22<br>06:11:55 | 660122 | DhcNoise | 0 | unknown | 10x10   | 0      |  | False |
| 2012-05-22<br>08:18:15 | 660123 | beamData | 4 | -       | 10x10   | 158232 |  | False |
| 2012-05-22<br>08:49:22 | 660124 | beamData | 4 | -       | 10x10   | 14454  | stopped because of<br>Machine development      | False |
| 2012-05-22<br>12:22:37 | 660125 | beamData | 4 | -       | 10x10   | 178809 |  | False |
| 2012-05-22<br>15:49:09 | 660126 | beamData | 4 | -       | 10x10   | 138067 |  | False |
| 2012-05-22<br>17:49:18 | 660127 | beamData | 6 | -       | 10x10   | 151189 |  | False |
| 2012-05-22<br>17:51:05 | 660128 | DhcNoise | 0 | unknown | 10x10   | 0      |  | False |
| 2012-05-22<br>19:53:13 | 660129 | beamData | 6 | -       | 10x10   | 127113 |  | False |
| 2012-05-22<br>21:57:21 | 660130 | beamData | 6 | -       | 10x10   | 137560 |  | False |
| 2012-05-22<br>23:10:15 | 660131 | beamData | 6 | -       | 10x10   | 111429 |  | False |
| 2012-05-22<br>23:12:40 | 660132 | DhcNoise | 0 | unknown | 10x10   | 0      |  | False |
| 2012-05-23<br>01:32:32 | 660133 | beamData | 6 | -       | 10x10   | 122353 |  | False |
| 2012-05-23<br>03:38:57 | 660134 | beamData | 6 | -       | 10x10   | 193119 |  | False |
| 2012-05-23<br>05:43:08 | 660135 | beamData | 6 | -       | 10x10   | 175303 |  | False |
| 2012-05-23<br>05:45:21 | 660136 | DhcNoise | 0 | unknown | 10x10   | 0      |  | False |
| 2012-05-23<br>07:48:34 | 660137 | beamData | 6 | -       | 10x10   | 157662 |  | False |
| 2012-05-23<br>08:59:52 | 660138 | beamData | 6 | -       | 10x10   | 92507  |  | False |
| 2012-05-23<br>12:02:30 | 660139 | beamData | 8 | -       | 10x10   | 146988 |  | False |
| 2012-05-23<br>14:36:07 | 660140 | beamData | 8 | -       | 10x10   | 142328 |  | False |
| 2012-05-23<br>14:38:39 | 660141 | DhcNoise | 0 | unknown | 10x10   | 0      |  | False |
| 2012-05-23<br>16:58:15 | 660142 | beamData | 8 | -       | 10x10   | 122651 |  | False |
| 2012-05-23<br>17:17:34 | 660143 | DhcNoise | 0 | unknown | unknown | 0      | noise run before HV<br>change                  | False |
| 2012-05-23<br>17:18:14 | 660144 | DhcNoise | 0 | unknown | unknown | 0      | noise run after HV<br>change                   | False |
| 2012-05-23<br>19:25:32 | 660145 | beamData | 8 | -       | 10x10   | 120688 |  | False |
| 2012-05-23<br>21:55:49 | 660146 | beamData | 8 | -       | 10x10   | 104684 | layer 11 was in the<br>beginning not efficient | False |

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|                        |        |          |    |         |       |        |  |       |
|------------------------|--------|----------|----|---------|-------|--------|--|-------|
| 2012-05-23<br>23:59:27 | 660147 | beamData | 8  | -       | 10x10 | 136962 |  | False |
| 2012-05-24<br>02:05:11 | 660148 | beamData | 8  | -       | 10x10 | 163795 |  | False |
| 2012-05-24<br>04:08:56 | 660149 | beamData | 8  | -       | 10x10 | 145018 |  | False |
| 2012-05-24<br>04:14:30 | 660150 | DhcNoise | 0  | unknown | 10x10 | 0      |  | False |
| 2012-05-24<br>04:41:28 | 660151 | beamData | 8  | -       | 10x10 | 645    | stopped because of<br>problem with PS  | True  |
| 2012-05-24<br>09:36:54 | 660152 | beamData | 8  | -       | 10x10 | 113690 |  | False |
| 2012-05-24<br>12:28:19 | 660153 | beamData | 9  | -       | 10x10 | 102084 |  | False |
| 2012-05-24<br>14:30:13 | 660154 | beamData | 9  | -       | 10x10 | 119975 |  | False |
| 2012-05-24<br>16:51:06 | 660155 | beamData | 9  | -       | 10x10 | 114431 |  | False |
| 2012-05-24<br>17:46:34 | 660156 | beamData | 9  | -       | 10x10 | 21069  | Changed cherenkov<br>pressure during run, air<br>condition tripped during<br>run | False |
| 2012-05-24<br>18:23:15 | 660157 | beamData | 9  | -       | 10x10 | 2024   | no air conditioning.   | True  |
| 2012-05-24<br>21:52:26 | 660158 | beamData | 9  | -       | 10x10 | 121812 |  | False |
| 2012-05-24<br>23:56:01 | 660159 | beamData | 9  | -       | 10x10 | 115420 |  | False |
| 2012-05-25<br>02:07:22 | 660160 | beamData | 9  | -       | 10x10 | 119835 |  | False |
| 2012-05-25<br>02:09:52 | 660161 | DhcNoise | 0  | unknown | 10x10 | 0      |  | False |
| 2012-05-25<br>04:13:23 | 660162 | beamData | 9  | -       | 10x10 | 123957 |  | False |
| 2012-05-25<br>06:15:58 | 660163 | beamData | 9  | -       | 10x10 | 135244 |  | False |
| 2012-05-25<br>08:31:15 | 660164 | beamData | 9  | -       | 10x10 | 147916 |  | False |
| 2012-05-25<br>09:31:48 | 660165 | beamData | 9  | -       | 10x10 | 53504  | Ended when survey was<br>started   | False |
| 2012-05-25<br>13:56:35 | 660166 | beamData | 10 | -       | 10x10 | 136376 |  | False |
| 2012-05-25<br>16:16:11 | 660167 | beamData | 10 | -       | 10x10 | 109957 |  | False |
| 2012-05-25<br>16:26:00 | 660168 | DhcNoise | 0  | unknown | 10x10 | 0      |  | False |
| 2012-05-25<br>18:31:23 | 660169 | beamData | 10 | -       | 10x10 | 84778  |  | False |
| 2012-05-25<br>20:35:37 | 660170 | beamData | 10 | -       | 10x10 | 120130 |  | False |
| 2012-05-25<br>22:53:36 | 660171 | beamData | 10 | -       | 10x10 | 109319 |  | False |

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|                        |        |          |    |         |         |        |                       |       |
|------------------------|--------|----------|----|---------|---------|--------|-----------------------|-------|
| 2012-05-25<br>23:58:49 | 660172 | beamData | 10 | -       | 10x10   | 65089  |                       | False |
| 2012-05-26<br>02:28:25 | 660173 | beamData | 10 | -       | 10x10   | 101199 |                       | False |
| 2012-05-26<br>04:32:51 | 660174 | beamData | 10 | -       | 10x10   | 121118 |                       | False |
| 2012-05-26<br>06:36:38 | 660175 | beamData | 10 | -       | 10x10   | 124210 |                       | False |
| 2012-05-26<br>07:12:42 | 660176 | beamData | 10 | -       | 10x10   | 35746  |                       | False |
| 2012-05-26<br>10:04:28 | 660177 | beamData | 10 | +       | 10x10   | 150505 |                       | False |
| 2012-05-26<br>12:05:57 | 660178 | beamData | 10 | +       | 10x10   | 141092 | L9 not very efficient | False |
| 2012-05-26<br>12:08:00 | 660179 | DhcNoise | 0  | unknown | 10x10   | 0      |                       | False |
| 2012-05-26<br>13:08:44 | 660180 | beamData | 10 | +       | 10x10   | 68171  |                       | False |
| 2012-05-26<br>15:36:43 | 660181 | beamData | 8  | +       | 10x10   | 157815 |                       | False |
| 2012-05-26<br>17:47:55 | 660182 | beamData | 8  | +       | 10x10   | 149196 |                       | False |
| 2012-05-26<br>20:11:28 | 660183 | beamData | 8  | +       | 10x10   | 184191 |                       | False |
| 2012-05-26<br>20:44:47 | 660184 | beamData | 8  | +       | 10x10   | 36032  |                       | False |
| 2012-05-26<br>21:04:04 | 660185 | DhcNoise | 0  | unknown | unknown | 3326   |                       | False |
| 2012-05-26<br>21:58:43 | 660186 | beamData | 4  | +       | 10x10   | 77673  |                       | False |
| 2012-05-26<br>22:23:52 | 660187 | beamData | 4  | +       | 10x10   | 3624   | re-alignment of beam  | True  |
| 2012-05-27<br>00:25:25 | 660188 | beamData | 4  | +       | 10x10   | 190451 |                       | False |
| 2012-05-27<br>02:28:18 | 660189 | beamData | 4  | +       | 10x10   | 188196 |                       | False |
| 2012-05-27<br>04:31:40 | 660190 | beamData | 4  | +       | 10x10   | 190546 |                       | False |
| 2012-05-27<br>06:33:40 | 660191 | beamData | 4  | +       | 10x10   | 240759 |                       | False |
| 2012-05-27<br>08:38:44 | 660192 | beamData | 4  | +       | 10x10   | 250273 |                       | False |
| 2012-05-27<br>08:53:25 | 660193 | DhcNoise | 0  | unknown | 10x10   | 0      |                       | False |
| 2012-05-27<br>10:59:24 | 660194 | beamData | 6  | +       | 10x10   | 190645 |                       | False |
| 2012-05-27<br>13:03:27 | 660195 | beamData | 6  | +       | 10x10   | 182190 |                       | False |
| 2012-05-27<br>15:13:48 | 660196 | beamData | 6  | +       | 10x10   | 191489 |                       | False |
| 2012-05-27<br>16:10:51 | 660197 | beamData | 6  | +       | 10x10   | 91314  |                       | False |

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|                        |        |          |     |         |         |        |   |       |
|------------------------|--------|----------|-----|---------|---------|--------|---|-------|
| 2012-05-27<br>16:13:35 | 660198 | DhcNoise | 0   | unknown | 10x10   | 0      |   | False |
| 2012-05-27<br>17:22:08 | 660199 | unknown  | 0   | -       | 10x10   | 0      |   | False |
| 2012-05-27<br>18:32:27 | 660200 | DhcNoise | 0   | unknown | 10x10   | 0      |   | False |
| 2012-06-01<br>10:01:10 | 660203 | beamData | 180 | +       | 10x10   | 23721  | test run for wire chambers and Cherenkovs, calorimeter not yet connected                        | True  |
| 2012-06-04<br>19:04:24 | 660204 | DhcNoise | 0   | unknown | 10x10   | 0      |   | False |
| 2012-06-04<br>21:31:44 | 660205 | DhcNoise | 0   | unknown | 10x10   | 0      | test run for wire chambers and Cherenkovs, calorimeter not yet connected                        | True  |
| 2012-06-04<br>21:38:39 | 660206 | beamData | 30  | -       | 10x10   | 78238  | Still trying to test wire chambers  | True  |
| 2012-06-04<br>21:40:16 | 660207 | beamData | 30  | -       | 10x10   | 1635   |   | True  |
| 2012-06-04<br>21:41:59 | 660208 | beamData | 30  | -       | 10x10   | 697    | Trying to tune beam   | True  |
| 2012-06-04<br>21:45:05 | 660209 | beamData | 30  | -       | 10x10   | 4771   | Tuning the beam   | True  |
| 2012-06-04<br>21:53:07 | 660210 | beamData | 30  | -       | 10x10   | 41587  | First attempt to run at 100 Hz  | False |
| 2012-06-04<br>23:56:29 | 660211 | beamData | 30  | -       | 10x10   | 79246  |   | False |
| 2012-06-04<br>23:57:28 | 660212 | beamData | 30  | -       | 10x10   | 2324   | sh  | False |
| 2012-06-05<br>02:31:53 | 660213 | beamData | 30  | -       | 10x10   | 92365  | T3B is not running with DHCAL for tonight, started with this run                                | False |
| 2012-06-05<br>04:36:09 | 660214 | beamData | 30  | -       | 10x10   | 91969  | no T3B, stack temperature is slowly rising  | False |
| 2012-06-05<br>07:24:50 | 660215 | beamData | 30  | -       | 10x10   | 108537 | layer 11 recovered in the 2nd half of this run, but a few others are still not good (26,31?,37) | False |
| 2012-06-05<br>10:03:13 | 660216 | beamData | 30  | -       | 10x10   | 77488  |   | False |
| 2012-06-05<br>11:53:38 | 660217 | beamData | 30  | -       | 10x10   | 100616 |   | False |
| 2012-06-05<br>12:49:10 | 660218 | beamData | 30  | -       | 10x10   | 0      |   | True  |
| 2012-06-05<br>12:58:16 | 660219 | DhcNoise | 0   | unknown | unknown | 0      |   | False |
| 2012-06-05<br>14:28:02 | 660220 | beamData | 30  | -       | 10x10   | 50847  | scintillators and wire chambers left in beam  | False |
| 2012-06-05<br>18:10:57 | 660221 | beamData | 30  | -       | 10x10   | 47406  |   | False |
|                        | 660222 | beamData | 0   | -       | 10x10   | 45202  | No beam   | True  |



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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-06-05<br>18:15:37 |        |          |     |         |       |        |  |       |
| 2012-06-05<br>20:50:44 | 660223 | beamData | 40  | -       | 10x10 | 151466 |  | False |
| 2012-06-05<br>23:24:38 | 660224 | beamData | 40  | -       | 10x10 | 174337 |  | False |
| 2012-06-05<br>23:29:11 | 660225 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-06<br>01:58:45 | 660226 | beamData | 50  | -       | 10x10 | 237364 | 1st 50gev run, higher rate, seems this rate is OK                    | False |
| 2012-06-06<br>04:16:07 | 660227 | beamData | 50  | -       | 10x10 | 128610 |  | False |
| 2012-06-06<br>06:16:26 | 660228 | beamData | 50  | -       | 10x10 | 252228 |  | False |
| 2012-06-06<br>08:25:34 | 660229 | beamData | 50  | -       | 10x10 | 267999 |  | False |
| 2012-06-07<br>10:16:10 | 660231 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-07<br>09:47:22 | 660232 | beamData | 120 | -       | 10x10 | 15476  |  | False |
| 2012-06-07<br>11:06:31 | 660233 | beamData | 60  | -       | 10x10 | 70053  | The run was stopped because we have no beam. Cooling magnet problem. | False |
| 2012-06-07<br>12:36:32 | 660234 | beamData | 60  | -       | 10x10 | 133288 | Run was stopped because the rate was too high                        | False |
| 2012-06-07<br>14:50:22 | 660235 | beamData | 60  | -       | 10x10 | 159499 |  | False |
| 2012-06-07<br>17:07:08 | 660236 | beamData | 60  | -       | 10x10 | 134899 | run stopped. no beam from linac                                      | False |
| 2012-06-07<br>20:40:19 | 660237 | beamData | 120 | -       | 10x10 | 24861  | short because beam loss  | False |
| 2012-06-07<br>23:09:40 | 660238 | beamData | 120 | -       | 10x10 | 63799  |  | False |
| 2012-06-08<br>01:15:32 | 660239 | beamData | 120 | -       | 10x10 | 72156  |  | False |
| 2012-06-08<br>03:28:25 | 660240 | beamData | 120 | -       | 10x10 | 69434  |  | False |
| 2012-06-08<br>05:34:21 | 660241 | beamData | 120 | -       | 10x10 | 63607  |  | False |
| 2012-06-08<br>07:47:47 | 660242 | beamData | 120 | -       | 10x10 | 60165  | event/spill fluctuate from 200 to 600                                | False |
| 2012-06-08<br>08:30:03 | 660243 | beamData | 120 | -       | 10x10 | 18468  | stopped to do noise run, and decide HV changes                       | False |
| 2012-06-08<br>08:31:35 | 660244 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-08<br>14:37:05 | 660245 | beamData | 120 | -       | 10x10 | 23059  | test run?  | True  |
| 2012-06-08<br>14:38:01 | 660246 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |

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|                        |        |          |     |         |       |        |   |       |
|------------------------|--------|----------|-----|---------|-------|--------|---|-------|
| 2012-06-08<br>14:38:48 | 660247 | DhcNoise | 0   | unknown | 10x10 | 0      |   | False |
| 2012-06-08<br>13:40:19 | 660248 | beamData | 120 | -       | 10x10 | 84596  |   | False |
| 2012-06-08<br>14:45:06 | 660249 | beamData | 120 | -       | 10x10 | 32903  |   | False |
| 2012-06-08<br>16:09:42 | 660250 | beamData | 80  | -       | 10x10 | 0      | Mostly muons: tertiary beams don't work...                  | True  |
| 2012-06-08<br>17:09:22 | 660251 | beamData | 80  | -       | 10x10 | 45759  | 50% muons, will increase electronic rate in forthcoming run | False |
| 2012-06-08<br>17:30:15 | 660252 | beamData | 80  | -       | 10x10 | 10796  | run stopped because of beam lost                            | False |
| 2012-06-08<br>22:24:45 | 660253 | beamData | 80  | -       | 10x10 | 137408 |   | False |
| 2012-06-09<br>00:36:33 | 660254 | beamData | 80  | -       | 10x10 | 145511 |   | False |
| 2012-06-09<br>00:47:02 | 660255 | beamData | 100 | -       | 10x10 | 4091   | test run to prepare the 100 GeV file                        | True  |
| 2012-06-09<br>01:07:38 | 660256 | DhcNoise | 0   | unknown | 10x10 | 0      |   | False |
| 2012-06-09<br>03:08:48 | 660257 | beamData | 80  | -       | 10x10 | 127545 |   | False |
| 2012-06-09<br>05:21:26 | 660258 | beamData | 80  | -       | 10x10 | 125268 | No beam. Run stopped.                                       | False |
| 2012-06-09<br>07:36:18 | 660259 | beamData | 80  | -       | 10x10 | 129981 |   | False |
| 2012-06-09<br>10:32:03 | 660260 | beamData | 100 | -       | 10x10 | 130377 |   | False |
| 2012-06-09<br>13:10:01 | 660261 | beamData | 100 | -       | 10x10 | 131280 |   | False |
| 2012-06-09<br>15:44:37 | 660262 | beamData | 100 | -       | 10x10 | 130796 |   | False |
| 2012-06-09<br>18:28:39 | 660263 | beamData | 100 | -       | 10x10 | 133870 | run stopped during a spill                                  | False |
| 2012-06-09<br>18:33:24 | 660264 | DhcNoise | 0   | unknown | 10x10 | 0      |   | False |
| 2012-06-09<br>21:04:09 | 660265 | beamData | 20  | -       | 10x10 | 80703  | beamline scintillators in                                   | False |
| 2012-06-09<br>21:06:24 | 660266 | DhcNoise | 0   | unknown | 10x10 | 0      |   | False |
| 2012-06-09<br>22:16:14 | 660267 | beamData | 20  | -       | 10x10 | 43016  | beamline scintillators in                                   | False |
| 2012-06-09<br>23:16:28 | 660268 | beamData | 20  | -       | 10x10 | 16803  | All 20 GeV runs until now had the scintillators in          | False |
| 2012-06-10<br>01:35:05 | 660269 | beamData | 20  | -       | 10x10 | 44216  |   | False |
| 2012-06-10<br>01:35:55 | 660270 | DhcNoise | 0   | unknown | 10x10 | 0      |   | False |
| 2012-06-10<br>03:41:40 | 660271 | beamData | 20  | -       | 10x10 | 42022  |   | False |

## TungstenDHCALRunList &lt; CLIC &lt; TWiki

|                        |        |          |    |         |         |       |  |       |
|------------------------|--------|----------|----|---------|---------|-------|--|-------|
| 2012-06-10<br>03:46:22 | 660272 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>05:53:41 | 660273 | beamData | 20 | -       | 10x10   | 42066 |  | False |
| 2012-06-10<br>06:02:24 | 660274 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>08:15:00 | 660275 | beamData | 20 | -       | 10x10   | 43996 |  | False |
| 2012-06-10<br>08:15:46 | 660276 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>10:30:13 | 660277 | beamData | 20 | -       | 10x10   | 41336 |  | False |
| 2012-06-10<br>10:32:11 | 660278 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>12:34:57 | 660279 | beamData | 20 | -       | 10x10   | 42710 |  | False |
| 2012-06-10<br>12:36:03 | 660280 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>14:39:21 | 660281 | beamData | 20 | -       | 10x10   | 42253 |  | False |
| 2012-06-10<br>14:40:19 | 660282 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>16:47:23 | 660283 | beamData | 20 | -       | 10x10   | 40571 |  | False |
| 2012-06-10<br>17:00:51 | 660284 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>19:03:02 | 660285 | beamData | 30 | -       | 10x10   | 36472 |  | False |
| 2012-06-10<br>19:05:25 | 660286 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-10<br>21:14:38 | 660287 | beamData | 30 | -       | 10x10   | 38696 |  | False |
| 2012-06-10<br>21:16:24 | 660288 | DhcNoise | 0  | unknown | unknown | 0     |  | False |
| 2012-06-10<br>23:26:53 | 660289 | beamData | 30 | -       | 10x10   | 37576 |  | False |
| 2012-06-10<br>23:28:30 | 660290 | DhcNoise | 0  | unknown | unknown | 0     |  | False |
| 2012-06-11<br>00:41:25 | 660291 | beamData | 30 | -       | 10x10   | 18820 |  | False |
| 2012-06-11<br>02:50:43 | 660292 | beamData | 30 | -       | 10x10   | 36293 |  | False |
| 2012-06-11<br>02:51:45 | 660293 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-11<br>05:04:34 | 660294 | beamData | 30 | -       | 10x10   | 37155 |  | False |
| 2012-06-11<br>05:05:13 | 660295 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |
| 2012-06-11<br>07:13:31 | 660296 | beamData | 30 | -       | 10x10   | 35464 |  | False |
| 2012-06-11<br>07:16:46 | 660297 | DhcNoise | 0  | unknown | 10x10   | 0     |  | False |

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|                        |        |          |    |         |       |        |   |       |
|------------------------|--------|----------|----|---------|-------|--------|---|-------|
| 2012-06-11<br>09:42:20 | 660298 | beamData | 30 | -       | 10x10 | 36616  |   | False |
| 2012-06-11<br>09:45:37 | 660299 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-11<br>10:40:28 | 660300 | beamData | 30 | -       | 10x10 | 6691   | Run stopped. No beam.                     | False |
| 2012-06-11<br>13:36:42 | 660301 | beamData | 30 | -       | 10x10 | 28695  |   | False |
| 2012-06-11<br>13:38:26 | 660302 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-11<br>16:05:10 | 660303 | beamData | 40 | -       | 10x10 | 83359  |   | False |
| 2012-06-11<br>18:26:54 | 660304 | beamData | 40 | -       | 10x10 | 101574 |   | False |
| 2012-06-11<br>20:50:23 | 660305 | beamData | 40 | -       | 10x10 | 39857  |   | False |
| 2012-06-11<br>20:57:06 | 660306 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-11<br>23:01:31 | 660307 | beamData | 40 | -       | 10x10 | 40327  |   | False |
| 2012-06-11<br>23:04:10 | 660308 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-12<br>01:14:26 | 660309 | beamData | 40 | -       | 10x10 | 41310  |   | False |
| 2012-06-12<br>01:15:37 | 660310 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-12<br>03:22:59 | 660311 | beamData | 40 | -       | 10x10 | 38745  |   | False |
| 2012-06-12<br>03:23:50 | 660312 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-12<br>05:33:21 | 660313 | beamData | 40 | -       | 10x10 | 32431  |   | False |
| 2012-06-12<br>05:34:02 | 660314 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-12<br>07:43:25 | 660315 | unknown  | 0  | -       | 10x10 | 1556   | no beam                                   | True  |
| 2012-06-12<br>07:46:05 | 660316 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |
| 2012-06-12<br>08:09:42 | 660317 | beamData | 0  | -       | 10x10 | 803    | no beam                                   | True  |
| 2012-06-12<br>09:25:45 | 660318 | beamData | 40 | -       | 10x10 | 19991  |   | False |
| 2012-06-12<br>12:10:25 | 660319 | beamData | 40 | -       | 10x10 | 43303  |   | False |
| 2012-06-12<br>15:06:49 | 660320 | beamData | 40 | -       | 10x10 | 47056  |   | False |
| 2012-06-12<br>17:04:59 | 660321 | beamData | 20 | -       | 10x10 | 100568 | too high rate, will lower<br>by factor 2. | False |
| 2012-06-12<br>21:11:28 | 660322 | beamData | 20 | -       | 10x10 | 324000 |   | False |
| 2012-06-12<br>21:29:16 | 660323 | DhcNoise | 0  | unknown | 10x10 | 0      |   | False |

## TungstenDHCALRunList &lt; CLIC &lt; TWiki

|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-06-12<br>23:38:49 | 660324 | beamData | 12  | -       | 10x10 | 55800  | corrected entries, after<br>nightshift (beam type,<br>absorber and target) | False |
| 2012-06-12<br>23:41:48 | 660325 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>01:53:44 | 660326 | beamData | 12  | -       | 10x10 | 53032  |  | False |
| 2012-06-13<br>01:56:14 | 660327 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>04:00:31 | 660328 | beamData | 12  | -       | 10x10 | 53662  |  | False |
| 2012-06-13<br>04:01:13 | 660329 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>06:03:19 | 660330 | beamData | 12  | -       | 10x10 | 52275  |  | False |
| 2012-06-13<br>06:04:15 | 660331 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>07:30:59 | 660332 | beamData | 12  | -       | 10x10 | 28946  | no beam at end of run  | False |
| 2012-06-13<br>08:08:12 | 660333 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>10:33:00 | 660334 | beamData | 12  | -       | 10x10 | 49094  |  | False |
| 2012-06-13<br>10:35:19 | 660335 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>10:56:38 | 660336 | beamData | 12  | -       | 10x10 | 7857   |  | False |
| 2012-06-13<br>11:00:18 | 660337 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>12:02:43 | 660338 | beamData | 10  | -       | 10x10 | 8540   | beam tuning test   | True  |
| 2012-06-13<br>14:39:27 | 660339 | beamData | 15  | -       | 10x10 | 269590 |  | False |
| 2012-06-13<br>14:40:17 | 660340 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>15:22:34 | 660341 | beamData | 15  | -       | 10x10 | 36145  |  | False |
| 2012-06-13<br>18:07:25 | 660342 | beamData | 180 | +       | 10x10 | 11225  |  | False |
| 2012-06-13<br>20:25:25 | 660343 | beamData | 180 | +       | 10x10 | 34277  |  | False |
| 2012-06-13<br>22:42:36 | 660345 | beamData | 180 | +       | 10x10 | 32159  |  | False |
| 2012-06-13<br>22:45:00 | 660346 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-13<br>23:50:20 | 660347 | beamData | 180 | +       | 10x10 | 17609  |  | False |
| 2012-06-14<br>01:47:56 | 660348 | beamData | 180 | +       | 10x10 | 38623  | layer 12 became less<br>efficient during run                               | False |
| 2012-06-14<br>01:53:18 | 660349 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
|                        | 660350 | beamData | 180 | +       | 10x10 | 282    |  | True  |

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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-06-14<br>02:14:59 |        |          |     |         |       |        | only 1 spill, stopped<br>because of problem with<br>T3B                  |       |
| 2012-06-14<br>04:14:31 | 660351 | beamData | 180 | +       | 10x10 | 41154  |  | False |
| 2012-06-14<br>06:21:29 | 660352 | beamData | 180 | +       | 10x10 | 41863  | layer 41 becomes<br>slightly less efficient<br>during run                | False |
| 2012-06-14<br>06:22:41 | 660353 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-14<br>08:04:16 | 660354 | beamData | 180 | +       | 10x10 | 35513  | layers 12 and 41 show<br>slightly fluctuating<br>efficiencies during run | False |
| 2012-06-14<br>08:10:17 | 660355 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-14<br>10:52:31 | 660356 | beamData | 180 | +       | 30x30 | 359922 | muon run center pos 5  | False |
| 2012-06-14<br>11:59:58 | 660357 | beamData | 180 | +       | 30x30 | 184602 | muon run center pos 5  | False |
| 2012-06-14<br>13:30:05 | 660358 | beamData | 180 | +       | 30x30 | 268891 | muon run center left pos<br>4  | False |
| 2012-06-14<br>14:41:52 | 660359 | beamData | 180 | +       | 30x30 | 255560 | muon run center left pos<br>4  | False |
| 2012-06-14<br>14:52:53 | 660360 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-14<br>16:52:40 | 660361 | beamData | 180 | +       | 30x30 | 362087 | muon run center right<br>pos 6   | False |
| 2012-06-14<br>17:06:11 | 660362 | beamData | 180 | +       | 30x30 | 158316 | muon run center right<br>pos 6   | False |
| 2012-06-14<br>19:04:55 | 660363 | beamData | 180 | +       | 30x30 | 263982 | muon run lower right pos<br>3  | False |
| 2012-06-14<br>19:50:27 | 660364 | beamData | 180 | +       | 30x30 | 261799 | muon run lower right pos<br>3  | False |
| 2012-06-14<br>20:42:14 | 660365 | beamData | 180 | +       | 30x30 | 262800 | muon run lower middle<br>pos 2   | False |
| 2012-06-14<br>21:23:34 | 660366 | beamData | 180 | +       | 30x30 | 263626 | muon run lower middle<br>pos 2   | False |
| 2012-06-14<br>22:19:15 | 660367 | beamData | 180 | +       | 30x30 | 260168 | muon run lower left pos<br>1   | False |
| 2012-06-14<br>23:09:24 | 660368 | beamData | 180 | +       | 30x30 | 262888 | muon run lower left pos<br>1   | False |
| 2012-06-14<br>23:39:33 | 660369 | beamData | 180 | +       | 10x10 | 38966  | run taken during change<br>of beam conditions                            | True  |
| 2012-06-14<br>23:40:29 | 660370 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-06-15<br>01:39:22 | 660371 | beamData | 180 | +       | 10x10 | 37765  |  | False |
| 2012-06-15<br>03:39:08 | 660372 | beamData | 180 | +       | 10x10 | 37708  |  | False |
| 2012-06-15<br>05:44:10 | 660373 | beamData | 180 | +       | 10x10 | 40210  |  | False |
| 2012-06-15             | 660374 | beamData | 180 | +       | 10x10 | 37716  |  | False |

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|                        |        |          |     |         |         |        |  |       |
|------------------------|--------|----------|-----|---------|---------|--------|--|-------|
| 07:49:03               |        |          |     |         |         |        |  |       |
| 2012-06-15<br>07:51:43 | 660375 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-06-15<br>08:33:23 | 660376 | beamData | 180 | +       | 10x10   | 11462  |  | False |
| 2012-06-15<br>12:02:03 | 660377 | beamData | 180 | +       | 30x30   | 17448  | running behind clicpix                       | False |
| 2012-06-15<br>13:21:49 | 660378 | beamData | 180 | +       | 30x30   | 293025 | muon run pos 9                               | False |
| 2012-06-15<br>15:09:16 | 660379 | beamData | 180 | +       | 30x30   | 212586 | muon run pos 9                               | False |
| 2012-06-15<br>15:37:22 | 660380 | beamData | 180 | +       | 30x30   | 86616  | muon run upper middle<br>pos 8               | False |
| 2012-06-15<br>19:38:02 | 660381 | beamData | 180 | +       | 30x30   | 571802 | top-middle: position 8                       | False |
| 2012-06-15<br>21:41:21 | 660382 | beamData | 150 | +       | 10x10   | 6787   | Beam tuning                                  | True  |
| 2012-06-15<br>21:43:04 | 660383 | beamData | 150 | +       | 10x10   | 1759   | Beam tuning                                  | True  |
| 2012-06-15<br>21:44:53 | 660384 | beamData | 150 | +       | 10x10   | 9848   | Beam tuning                                  | True  |
| 2012-06-15<br>21:45:59 | 660385 | beamData | 150 | +       | 10x10   | 56218  | Mostly muons                                 | True  |
| 2012-06-15<br>23:17:04 | 660386 | beamData | 150 | +       | 10x10   | 39027  |  | False |
| 2012-06-16<br>01:23:21 | 660387 | beamData | 150 | +       | 10x10   | 37280  |  | False |
| 2012-06-16<br>01:47:09 | 660388 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-06-16<br>03:58:37 | 660389 | beamData | 150 | +       | 10x10   | 46243  |  | False |
| 2012-06-16<br>05:59:26 | 660390 | beamData | 150 | +       | 10x10   | 39852  |  | False |
| 2012-06-16<br>07:16:01 | 660391 | beamData | 150 | +       | 10x10   | 24237  | Stopped run since access<br>required for T3B | False |
| 2012-06-16<br>08:58:10 | 660392 | beamData | 150 | +       | 10x10   | 26753  |  | False |
| 2012-06-16<br>11:32:22 | 660393 | beamData | 180 | +       | 30x30   | 386363 |  | False |
| 2012-06-16<br>12:37:09 | 660394 | beamData | 180 | +       | 30x30   | 188198 |  | False |
| 2012-06-16<br>15:18:13 | 660395 | beamData | 180 | +       | 10x10   | 40966  |  | False |
| 2012-06-16<br>16:48:35 | 660396 | beamData | 180 | +       | 10x10   | 10528  |  | False |
| 2012-06-16<br>17:18:59 | 660397 | DhcNoise | 0   | unknown | unknown | 0      |  | False |
| 2012-06-16<br>22:46:55 | 660398 | beamData | 180 | +       | 10x10   | 46621  |  | False |
| 2012-06-16<br>22:43:51 | 660399 | beamData | 150 | +       | 10x10   | 41083  |  | False |
|                        | 660400 | beamData | 150 | +       | 10x10   | 39687  |  | False |

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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-06-17<br>00:50:45 |        |          |     |         |       |        |  |       |
| 2012-06-17<br>03:03:30 | 660401 | beamData | 150 | +       | 10x10 | 38061  |  | False |
| 2012-06-17<br>05:13:55 | 660402 | beamData | 150 | +       | 10x10 | 25715  | Stopped run because no beam  | False |
| 2012-06-17<br>07:32:12 | 660403 | beamData | 150 | +       | 10x10 | 39726  |  | False |
| 2012-06-17<br>09:36:50 | 660404 | beamData | 150 | +       | 10x10 | 38250  |  | False |
| 2012-06-17<br>11:49:25 | 660405 | beamData | 150 | +       | 10x10 | 40034  |  | False |
| 2012-06-17<br>14:09:02 | 660406 | beamData | 150 | +       | 10x10 | 44455  |  | False |
| 2012-06-17<br>15:39:31 | 660407 | beamData | 60  | +       | 10x10 | 10125  | pixel sent up is in the beam (quite some material), so might not be a useful run. this setup is out of the beam for next run         | False |
| 2012-06-17<br>16:21:56 | 660408 | beamData | 60  | +       | 10x10 | 23384  | scintillators in the beam  | True  |
| 2012-06-17<br>18:06:56 | 660409 | beamData | 0   | +       | 10x10 | 7779   | this run started with +60 'positron', but then started beam tuning soon after for later T3B run                                      | True  |
| 2012-06-17<br>18:09:24 | 660410 | DhcNoise | 0   | unknown | 10x10 | 0      | this is a noise run taken as a reference for turning off HV on part of the DHCAL/TAIL catcher  | False |
| 2012-06-17<br>18:10:35 | 660411 | DhcNoise | 0   | unknown | 10x10 | 0      | this is the noise run AFTER turning off part of the HV   | False |
| 2012-06-17<br>18:14:05 | 660412 | beamData | 180 | +       | 10x10 | 49752  | HIGH RATE this is 1st run together with T3B at high rate, a little worried about data rate, will turn off more layers after this run | False |
| 2012-06-17<br>18:16:03 | 660413 | DhcNoise | 0   | unknown | 10x10 | 0      | this is a noise run AFTER turning off HV on more layers  | False |
| 2012-06-17<br>19:02:06 | 660414 | beamData | 80  | +       | 10x10 | 48687  | HIGH RATE sync with T3B/fastRPC. Just few layers have HV turned on. Test of the 80GeV file settings                                  | False |
| 2012-06-17<br>19:41:58 | 660415 | beamData | 180 | +       | 10x10 | 411892 | HIGH RATE  | False |
| 2012-06-17<br>21:16:22 | 660416 | beamData | 180 | +       | 10x10 | 141118 | HIGH RATE Run stopped to start in sync with fastRPC  | False |
|                        | 660417 | beamData | 180 | +       | 10x10 | 515078 | HIGH RATE  | False |



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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-06-17<br>22:12:36 |        |          |     |         |       |        |  |       |
| 2012-06-17<br>23:25:33 | 660418 | beamData | 180 | +       | 10x10 | 534215 | HIGH RATE  | False |
| 2012-06-18<br>01:38:48 | 660419 | beamData | 80  | +       | 10x10 | 515418 | HIGH RATE  | False |
| 2012-06-18<br>03:46:53 | 660420 | beamData | 80  | +       | 10x10 | 531035 | HIGH RATE High temperature towards the end of the run since AC was off | False |
| 2012-06-18<br>07:03:39 | 660421 | beamData | 80  | +       | 10x10 | 554366 | HIGH RATE Temperature slowing dropping over the run                    | False |
| 2012-06-18<br>09:13:59 | 660422 | beamData | 80  | +       | 10x10 | 373034 | HIGH RATE  | False |
| 2012-07-30<br>14:14:29 | 660423 | beamData | 300 | -       | 10x10 | 0      | test   | True  |
| 2012-07-30<br>14:15:07 | 660424 | beamData | 300 | -       | 10x10 | 0      | test   | True  |
| 2012-07-30<br>14:15:50 | 660425 | beamData | 300 | -       | 10x10 | 0      | test   | True  |
| 2012-07-30<br>14:16:21 | 660426 | beamData | 300 | -       | 10x10 | 0      |  | False |
| 2012-07-30<br>14:21:17 | 660427 | beamData | 300 | -       | 10x10 | 14417  | still several layers with low efficiency                               | False |
| 2012-07-30<br>17:27:34 | 660428 | DhcNoise | 0   | unknown | 10x10 | 0      | too many low efficiencies  | False |
| 2012-07-30<br>17:28:16 | 660429 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-30<br>17:28:56 | 660430 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-30<br>17:29:25 | 660431 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-30<br>17:29:57 | 660432 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-30<br>17:30:50 | 660433 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-30<br>17:33:17 | 660434 | beamData | 300 | -       | 10x10 | 4935   | quad19 had tripped, lot of muons at end of run                         | False |
| 2012-07-30<br>20:09:03 | 660435 | beamData | 300 | -       | 10x10 | 30927  |  | False |
| 2012-07-30<br>22:21:26 | 660436 | beamData | 300 | -       | 10x10 | 37117  |  | False |
| 2012-07-30<br>22:33:38 | 660437 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-31<br>00:07:34 | 660438 | beamData | 300 | -       | 10x10 | 25148  |  | False |
| 2012-07-31<br>00:37:50 | 660439 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-07-31<br>02:35:45 | 660440 | beamData | 300 | -       | 10x10 | 31188  |  | False |

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|                        |        |          |     |         |       |       |   |       |
|------------------------|--------|----------|-----|---------|-------|-------|---|-------|
| 2012-07-31<br>04:07:18 | 660441 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-07-31<br>06:06:21 | 660442 | beamData | 300 | -       | 10x10 | 27027 |   | False |
| 2012-07-31<br>08:04:34 | 660443 | beamData | 300 | -       | 10x10 | 28348 |   | False |
| 2012-07-31<br>10:35:35 | 660444 | beamData | 300 | -       | 10x10 | 30603 | no beam at the end of run                                     | False |
| 2012-07-31<br>12:44:47 | 660445 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-07-31<br>12:45:26 | 660446 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-07-31<br>14:12:12 | 660447 | beamData | 0   | -       | 10x10 | 6000  | tuning beam files   | True  |
| 2012-07-31<br>14:15:50 | 660448 | beamData | 210 | -       | 10x10 | 24431 | increased rate by opening all colimators during run           | False |
| 2012-07-31<br>14:45:59 | 660449 | beamData | 210 | -       | 10x10 | 25000 | lots of muons and few pions in this tertiary beam             | False |
| 2012-07-31<br>14:59:25 | 660450 | beamData | 210 | -       | 10x10 | 2000  | unconventional secondary beam - test while tuning             | True  |
| 2012-07-31<br>17:24:52 | 660451 | beamData | 210 | -       | 10x10 | 31067 |   | False |
| 2012-07-31<br>19:03:32 | 660452 | beamData | 210 | -       | 10x10 | 27919 | layer 32 drops in efficieny. One FE board is lost?            | False |
| 2012-07-31<br>19:18:56 | 660453 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-07-31<br>20:01:48 | 660454 | beamData | 210 | -       | 10x10 | 15513 | last 2 min., layer 32 loses 1 FE board again.                 | False |
| 2012-07-31<br>20:11:11 | 660455 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-07-31<br>21:51:19 | 660456 | beamData | 210 | -       | 10x10 | 34464 | layer 19 dropped 50% in number of hits in the last 10 minutes | False |
| 2012-07-31<br>21:52:26 | 660457 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-08-01<br>00:23:30 | 660458 | beamData | 210 | -       | 10x10 | 42917 |   | False |
| 2012-08-01<br>02:28:40 | 660459 | beamData | 210 | -       | 10x10 | 39311 |   | False |
| 2012-08-01<br>04:40:11 | 660460 | beamData | 210 | -       | 10x10 | 42708 |   | False |
| 2012-08-01<br>06:56:46 | 660461 | beamData | 210 | -       | 10x10 | 46791 |   | False |
| 2012-08-01<br>07:06:07 | 660462 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
| 2012-08-01<br>08:09:15 | 660463 | beamData | 210 | -       | 10x10 | 20181 |   | False |
| 2012-08-02             | 660464 | beamData | 300 | -       | 30x30 | 40000 | center position 5; too  | False |

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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 09:58:58               |        |          |     |         |       |        | high rate  |       |
| 2012-08-02<br>10:30:43 | 660465 | beamData | 300 | -       | 30x30 | 180254 | center position 5  | False |
| 2012-08-02<br>10:32:03 | 660466 | DhcNoise | 0   | unknown | 30x30 | 0      |  | False |
| 2012-08-02<br>15:22:40 | 660467 | beamData | 300 | -       | 30x30 | 112762 | lower middle position 2, stopped run early since the beam was steered a bit too high; lower rate in the beginning of the run   | False |
| 2012-08-02<br>15:38:02 | 660468 | beamData | 300 | -       | 30x30 | 113097 | lower middle position 2  | False |
| 2012-08-02<br>17:45:22 | 660469 | beamData | 300 | -       | 30x30 | 110481 | stopped run, as intensity shot up to 6000 /spill   | False |
| 2012-08-02<br>18:09:54 | 660470 | beamData | 300 | -       | 30x30 | 147547 |  | False |
| 2012-08-02<br>18:31:10 | 660471 | DhcNoise | 0   | unknown | 30x30 | 0      |  | False |
| 2012-08-02<br>19:57:06 | 660472 | beamData | 0   | -       | 10x10 | 13306  | mixed energies, dump partiallz closed  | True  |
| 2012-08-02<br>22:05:25 | 660473 | beamData | 240 | -       | 10x10 | 26258  | small pion fraction  | False |
| 2012-08-02<br>23:56:06 | 660474 | beamData | 240 | -       | 10x10 | 23193  | small pion fraction  | False |
| 2012-08-03<br>01:59:44 | 660475 | beamData | 240 | -       | 10x10 | 27103  | small pion fraction  | False |
| 2012-08-03<br>03:18:20 | 660476 | beamData | 240 | -       | 10x10 | 11415  | Stopped run because of rising temperature; small pion fraction   | False |
| 2012-08-03<br>05:30:31 | 660477 | beamData | 240 | -       | 10x10 | 24080  | Temperature changing from 31.5 to 30.5; small pion fraction  | False |
| 2012-08-03<br>07:36:16 | 660478 | beamData | 240 | -       | 10x10 | 23149  | small pion fraction  | False |
| 2012-08-03<br>09:02:42 | 660479 | beamData | 240 | -       | 10x10 | 16372  | last two minutes intensity increased to 700/spill; small pion fraction   | False |
| 2012-08-03<br>09:04:12 | 660480 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-08-03<br>09:14:09 | 660481 | beamData | 240 | -       | 10x10 | 4873   | too high rate (large pion fraction)  | True  |
| 2012-08-03<br>10:55:35 | 660482 | beamData | 240 | -       | 10x10 | 39723  | run stopped: no hits in layers 45-48 (right side) visible in event display top view for some time, then seems to be fine again | False |
| 2012-08-03<br>11:14:39 | 660483 | beamData | 240 | -       | 10x10 | 7026   | run stopped because of imminent tests of zone-access system  | False |
| 2012-08-03<br>13:59:05 | 660484 | beamData | 240 | -       | 10x10 | 44572  |  | False |

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|                        |        |          |     |         |       |       |   |       |
|------------------------|--------|----------|-----|---------|-------|-------|---|-------|
| 2012-08-03<br>15:49:19 | 660485 | beamData | 240 | -       | 10x10 | 40663 |   | False |
| 2012-08-03<br>16:10:39 | 660486 | beamData | 270 | -       | 10x10 | 9000  | tuning beam   | True  |
| 2012-08-03<br>16:25:35 | 660487 | beamData | 270 | -       | 10x10 | 15000 | tuning  | True  |
| 2012-08-03<br>18:25:32 | 660488 | beamData | 270 | -       | 10x10 | 0     |   | False |
| 2012-08-03<br>20:28:51 | 660489 | beamData | 270 | -       | 10x10 | 18745 |   | False |
| 2012-08-03<br>22:33:17 | 660490 | beamData | 270 | -       | 10x10 | 22291 |   | False |
| 2012-08-04<br>00:59:27 | 660491 | beamData | 270 | -       | 10x10 | 25789 |   | False |
| 2012-08-04<br>03:02:59 | 660492 | beamData | 270 | -       | 10x10 | 21685 |   | False |
| 2012-08-04<br>04:52:26 | 660493 | beamData | 270 | -       | 10x10 | 15070 |   | False |
| 2012-08-04<br>07:42:07 | 660494 | beamData | 270 | -       | 10x10 | 22404 |   | False |
| 2012-08-04<br>09:59:57 | 660495 | beamData | 270 | -       | 10x10 | 24965 |   | False |
| 2012-08-04<br>12:10:43 | 660496 | beamData | 270 | -       | 10x10 | 21012 |   | False |
| 2012-08-04<br>14:18:00 | 660497 | beamData | 270 | -       | 10x10 | 16035 |   | False |
| 2012-08-04<br>16:15:12 | 660498 | beamData | 270 | -       | 10x10 | 18737 |   | False |
| 2012-08-04<br>19:11:29 | 660499 | beamData | 300 | -       | 10x10 | 23863 |   | False |
| 2012-08-04<br>21:16:19 | 660500 | beamData | 300 | -       | 10x10 | 25497 |   | False |
| 2012-08-04<br>23:16:18 | 660501 | beamData | 300 | -       | 10x10 | 22479 |   | False |
| 2012-08-05<br>01:35:12 | 660502 | beamData | 300 | -       | 10x10 | 21978 | cannot read cerenkov<br>BCB in netbeans. Server<br>down. Beam had<br>problems, saw sudden<br>drop in efficiency.<br>Comment from SPS:<br>re-steering north<br>extraction. Detector<br>seems to have recovered<br>towards end of shift | False |
| 2012-08-05<br>02:59:32 | 660503 | beamData | 300 | -       | 10x10 | 4382  |   | False |
| 2012-08-05<br>06:00:47 | 660504 | beamData | 300 | -       | 10x10 | 26818 |   | False |
| 2012-08-05<br>08:05:45 | 660505 | beamData | 300 | -       | 10x10 | 26213 |   | False |
| 2012-08-05<br>08:35:29 | 660506 | DhcNoise | 0   | unknown | 10x10 | 0     |   | False |
|                        | 660507 | beamData | 300 | -       | 10x10 | 28006 |   | False |

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|                        |        |          |     |         |         |        |  |       |
|------------------------|--------|----------|-----|---------|---------|--------|--|-------|
| 2012-08-05<br>10:46:20 |        |          |     |         |         |        |  |       |
| 2012-08-05<br>12:46:27 | 660508 | beamData | 300 | -       | 10x10   | 27187  |  | False |
| 2012-08-05<br>14:51:53 | 660509 | beamData | 180 | -       | 10x10   | 37434  |  | False |
| 2012-08-05<br>16:54:55 | 660510 | beamData | 180 | -       | 10x10   | 39110  |  | False |
| 2012-08-05<br>16:56:33 | 660511 | DhcNoise | 0   | unknown | unknown | 0      |  | False |
| 2012-08-05<br>19:05:20 | 660512 | beamData | 180 | -       | 10x10   | 33160  |  | False |
| 2012-08-05<br>21:05:20 | 660513 | beamData | 180 | -       | 10x10   | 13744  |  | False |
| 2012-08-05<br>21:06:32 | 660514 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-08-05<br>23:19:09 | 660515 | beamData | 100 | -       | 10x10   | 10241  |  | False |
| 2012-08-06<br>01:24:37 | 660516 | beamData | 100 | -       | 10x10   | 16227  |  | False |
| 2012-08-06<br>03:27:37 | 660517 | beamData | 100 | -       | 10x10   | 15949  |  | False |
| 2012-08-06<br>05:30:41 | 660518 | beamData | 100 | -       | 10x10   | 15332  |  | False |
| 2012-08-06<br>05:36:50 | 660519 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-08-06<br>07:09:43 | 660520 | beamData | 100 | -       | 10x10   | 2883   | Very unstable beam conditions                      | False |
| 2012-08-06<br>08:03:05 | 660521 | beamData | 100 | -       | 10x10   | 4026   |  | False |
| 2012-11-01<br>16:57:33 | 660522 | DhcNoise | 0   | unknown | 30x30   | 0      | DAQ just started, temperature still rising         | False |
| 2012-11-03<br>04:51:02 | 660523 | DhcNoise | 0   | unknown | 30x30   | 0      |  | False |
| 2012-11-03<br>04:52:11 | 660524 | DhcNoise | 0   | unknown | 30x30   | 0      |  | False |
| 2012-11-03<br>05:48:41 | 660525 | beamData | 180 | -       | 30x30   | 726792 |  | False |
| 2012-11-03<br>08:54:51 | 660526 | beamData | 180 | -       | 30x30   | 356706 |  | False |
| 2012-11-03<br>08:55:40 | 660527 | DhcNoise | 0   | unknown | 30x30   | 0      |  | False |
| 2012-11-03<br>09:05:59 | 660528 | beamData | 180 | -       | 30x30   | 100000 | 60000 events with "missing data"                   | True  |
| 2012-11-03<br>09:26:40 | 660529 | beamData | 180 | -       | 30x30   | 170000 | again missing data.                                | True  |
| 2012-11-03<br>10:14:42 | 660530 | beamData | 180 | -       | 30x30   | 1      | DAQ is confused: missing data, taking 100k ev/min. | True  |
| 2012-11-03<br>10:15:01 | 660531 | beamData | 180 | -       | 30x30   | 1      | DAQ is confused: missing data, taking 100k ev/min. | True  |

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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-11-03<br>10:15:21 | 660532 | beamData | 180 | -       | 30x30 | 1      | DAQ is confused:<br>missing data, taking<br>100k ev/min. | True  |
| 2012-11-03<br>10:29:59 | 660533 | beamData | 180 | -       | 30x30 | 115347 | at the end, 4000 events<br>with missing data             | True  |
| 2012-11-03<br>11:11:58 | 660534 | beamData | 180 | -       | 30x30 | 145056 | 100k events with missing<br>data                         | False |
| 2012-11-03<br>11:19:07 | 660535 | beamData | 180 | -       | 30x30 | 3422   | forgot to restart the DAQ                                | True  |
| 2012-11-03<br>12:43:42 | 660536 | beamData | 180 | -       | 30x30 | 271122 |  | False |
| 2012-11-03<br>13:44:18 | 660537 | beamData | 180 | -       | 30x30 | 209505 | still missing data                                       | False |
| 2012-11-03<br>14:46:23 | 660538 | beamData | 180 | -       | 30x30 | 237690 | still missing data                                       | False |
| 2012-11-03<br>17:22:21 | 660539 | unknown  | 0   | -       | 10x10 | 8402   | with closed beam dump                                    | True  |
| 2012-11-03<br>17:50:17 | 660540 | beamData | 180 | -       | 10x10 | 8072   |  | True  |
| 2012-11-03<br>19:47:56 | 660541 | beamData | 180 | -       | 10x10 | 57434  | per spill 200 pi and 200<br>mu                           | False |
| 2012-11-03<br>20:50:22 | 660542 | beamData | 180 | -       | 10x10 | 29212  |  | False |
| 2012-11-03<br>21:00:43 | 660543 | beamData | 180 | -       | 10x10 | 4729   |  | False |
| 2012-11-03<br>22:23:49 | 660544 | beamData | 180 | -       | 10x10 | 10506  |  | False |
| 2012-11-03<br>22:34:04 | 660545 | beamData | 180 | -       | 10x10 | 4203   |  | True  |
| 2012-11-04<br>00:25:13 | 660546 | beamData | 180 | -       | 10x10 | 24301  |  | False |
| 2012-11-04<br>02:43:09 | 660547 | beamData | 180 | -       | 10x10 | 46753  |  | False |
| 2012-11-04<br>04:47:00 | 660548 | beamData | 180 | -       | 10x10 | 63079  |  | False |
| 2012-11-04<br>06:50:08 | 660549 | beamData | 180 | -       | 10x10 | 57808  |  | False |
| 2012-11-04<br>10:01:59 | 660550 | beamData | 180 | -       | 10x10 | 112668 |  | False |
| 2012-11-04<br>10:06:39 | 660551 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-11-04<br>13:21:02 | 660552 | beamData | 180 | -       | 10x10 | 100649 | no more missing data!                                    | False |
| 2012-11-04<br>15:06:29 | 660553 | beamData | 180 | -       | 10x10 | 16079  | booster problem,<br>stopping the run.                    | False |
| 2012-11-04<br>19:26:27 | 660554 | beamData | 180 | -       | 10x10 | 100311 |  | False |
| 2012-11-04<br>22:40:50 | 660555 | beamData | 180 | -       | 10x10 | 63341  |  | False |
| 2012-11-04<br>23:57:40 | 660556 | beamData | 180 | -       | 10x10 | 1851   | Daq seemed to have<br>stopped, restart                   | True  |
|                        | 660557 | beamData | 180 | -       | 10x10 | 71234  |  | False |

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|                        |        |          |     |         |         |        |  |       |
|------------------------|--------|----------|-----|---------|---------|--------|--|-------|
| 2012-11-05<br>02:52:34 |        |          |     |         |         |        |  |       |
| 2012-11-05<br>03:51:38 | 660558 | beamData | 180 | -       | 10x10   | 21519  | Stopped run because there is no beam   | False |
| 2012-11-05<br>07:46:11 | 660559 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-06<br>18:04:13 | 660560 | DhcNoise | 0   | unknown | 10x10   | 0      | No beam  | False |
| 2012-11-06<br>21:42:19 | 660561 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-06<br>22:51:17 | 660562 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-06<br>22:51:31 | 660563 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-06<br>22:51:42 | 660564 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-06<br>22:51:53 | 660565 | DhcNoise | 0   | unknown | 10x10   | 0      | Shutter was open, but no beam  | False |
| 2012-11-07<br>04:04:47 | 660566 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-11-07<br>04:38:32 | 660567 | beamData | 180 | -       | 10x10   | 3000   | Short run to test gain   | False |
| 2012-11-07<br>05:10:13 | 660568 | beamData | 180 | -       | 10x10   | 5000   | Short run to test gain   | False |
| 2012-11-07<br>05:39:58 | 660569 | beamData | 180 | -       | 10x10   | 6000   | Short run to test gain   | False |
| 2012-11-07<br>06:09:40 | 660570 | beamData | 180 | -       | 10x10   | 6700   | Short run to test gain   | False |
| 2012-11-07<br>07:29:19 | 660571 | beamData | 180 | -       | 10x10   | 17900  | Stopped run because there is no beam   | False |
| 2012-11-07<br>09:04:51 | 660572 | beamData | 180 | -       | 10x10   | 31463  |  | False |
| 2012-11-07<br>10:43:21 | 660573 | beamData | 50  | -       | 10x10   | 10011  |  | False |
| 2012-11-07<br>10:44:40 | 660574 | DhcNoise | 0   | unknown | 10x10   | 0      |  | False |
| 2012-11-07<br>17:14:29 | 660577 | DhcNoise | 0   | unknown | unknown | 0      | No beam  | False |
| 2012-11-07<br>20:59:23 | 660578 | beamData | 50  | -       | 10x10   | 169429 |  | False |
| 2012-11-07<br>21:03:08 | 660579 | DhcNoise | 0   | unknown | unknown | 0      |  | False |
| 2012-11-07<br>23:07:53 | 660580 | beamData | 50  | -       | 10x10   | 191420 |  | False |
| 2012-11-07<br>23:17:02 | 660581 | DhcNoise | 0   | unknown | unknown | 0      |  | False |
| 2012-11-07<br>23:52:12 | 660582 | beamData | 50  | -       | 10x10   | 66603  | Run stopped to reduce intensity (call by Erik)                                 | False |
| 2012-11-08<br>02:06:31 | 600583 | DhcNoise | 0   | unknown | 10x10   | 0      | Temperature and pressure two hours after end of the run, Beam shutter was open | False |

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|                        |        |          |     |         |       |        |                                |       |
|------------------------|--------|----------|-----|---------|-------|--------|--------------------------------|-------|
| 2012-11-08<br>02:13:57 | 660584 | beamData | 50  | -       | 10x10 | 136386 |                                | False |
| 2012-11-08<br>02:15:14 | 660585 | DhcNoise | 0   | unknown | 10x10 | 0      |                                | False |
| 2012-11-08<br>03:57:16 | 660586 | beamData | 50  | -       | 10x10 | 93257  | Stopped a bit earlier, no beam | False |
| 2012-11-08<br>03:58:47 | 660587 | DhcNoise | 0   | unknown | 10x10 | 0      |                                | False |
| 2012-11-08<br>07:23:37 | 660588 | beamData | 50  | -       | 10x10 | 55175  |                                | False |
| 2012-11-08<br>07:24:54 | 660589 | DhcNoise | 0   | unknown | 10x10 | 0      |                                | False |
| 2012-11-08<br>14:56:47 | 660590 | DhcNoise | 0   | unknown | 10x10 | 0      | No beam                        | False |
| 2012-11-08<br>15:24:08 | 660591 | DhcNoise | 0   | unknown | 10x10 | 0      | high gain, thr 80, 6.1kV       | False |
| 2012-11-08<br>16:30:55 | 660592 | DhcNoise | 0   | unknown | 10x10 | 0      | high gain, thr 80, 6.0kV       | False |
| 2012-11-08<br>16:35:34 | 660593 | DhcNoise | 0   | unknown | 10x10 | 0      |                                | False |
| 2012-11-08<br>16:54:11 | 660594 | DhcNoise | 0   | unknown | 10x10 | 0      | high gain, thr 80, 5.9kV       | False |
| 2012-11-08<br>17:15:17 | 660595 | DhcNoise | 0   | unknown | 10x10 | 0      | high gain, thr 80, 5.8kV       | False |
| 2012-11-08<br>17:55:55 | 660597 | beamData | 180 | -       | 30x30 | 137495 | low gain, thr 110, 6.1kV       | False |
| 2012-11-08<br>18:25:50 | 660598 | beamData | 180 | -       | 30x30 | 248087 | high gain, thr 80, 6.1kV       | False |
| 2012-11-08<br>18:53:37 | 660599 | beamData | 180 | -       | 30x30 | 163015 | high gain, thr 80, 6.0kV       | False |
| 2012-11-08<br>19:21:48 | 660600 | beamData | 180 | -       | 30x30 | 202499 | high gain, thr 80, 5.8kV       | False |
| 2012-11-08<br>19:57:54 | 660601 | beamData | 180 | -       | 30x30 | 205529 | high gain, thr 80, 5.6kV       | False |
| 2012-11-08<br>20:19:15 | 660602 | beamData | 180 | -       | 30x30 | 205817 | high gain, thr 80, 5.5kV       | False |
| 2012-11-08<br>20:50:16 | 660603 | beamData | 180 | -       | 30x30 | 211039 | high gain, thr 80, 5.3kV       | False |
| 2012-11-08<br>22:05:09 | 660604 | beamData | 180 | -       | 10x10 | 39798  | high gain, thr 80, 5.5kV       | False |
| 2012-11-08<br>22:42:56 | 660605 | beamData | 180 | -       | 10x10 | 40698  | high gain, thr 80, 5.5kV       | False |
| 2012-11-08<br>23:06:17 | 660606 | beamData | 180 | -       | 10x10 | 40836  | high gain, thr 80, 5.5kV       | False |
| 2012-11-08<br>23:26:28 | 660607 | beamData | 180 | -       | 10x10 | 40597  | high gain, thr 80, 5.5kV       | False |
| 2012-11-08<br>23:38:23 | 660608 | beamData | 180 | -       | 10x10 | 43188  | high gain, thr 80, 5.5kV       | False |
| 2012-11-09<br>01:57:15 | 660609 | beamData | 180 | -       | 10x10 | 101782 |                                | False |
| 2012-11-09<br>01:59:05 | 660610 | DhcNoise | 0   | unknown | 10x10 | 0      |                                | False |



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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-11-09<br>04:05:11 | 660611 | beamData | 180 | -       | 10x10 | 115725 |  | False |
| 2012-11-09<br>04:08:31 | 660612 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-11-09<br>05:05:41 | 660613 | beamData | 180 | -       | 10x10 | 40423  | stoppted because we<br>have no beam  | False |
| 2012-11-09<br>07:07:22 | 660614 | beamData | 180 | -       | 10x10 | 57084  |  | False |
| 2012-11-09<br>07:09:03 | 660615 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-11-09<br>08:30:37 | 660616 | beamData | 180 | -       | 10x10 | 65496  | run ok   | False |
| 2012-11-09<br>09:33:36 | 660617 | beamData | 50  | -       | 10x10 | 42990  | rate test -for the last 5<br>min or so very low<br>intensity from SPS                    | False |
| 2012-11-09<br>09:56:12 | 660618 | beamData | 50  | -       | 10x10 | 16758  | unstable beam  | False |
| 2012-11-09<br>10:30:41 | 660619 | beamData | 50  | -       | 10x10 | 8094   | unstable beam  | False |
| 2012-11-09<br>11:00:07 | 660620 | beamData | 50  | -       | 10x10 | 41257  |  | False |
| 2012-11-09<br>11:39:25 | 660621 | beamData | 50  | -       | 10x10 | 16563  | unstable beam  | False |
| 2012-11-09<br>12:13:39 | 660622 | beamData | 50  | -       | 10x10 | 40863  |  | False |
| 2012-11-09<br>14:11:02 | 660624 | beamData | 180 | -       | 10x10 | 567394 | trig ct at central position  | False |
| 2012-11-09<br>15:50:48 | 660625 | beamData | 180 | -       | 10x10 | 420524 | trig ct at lower position  | False |
| 2012-11-09<br>17:46:40 | 660626 | beamData | 180 | -       | 30x30 | 504173 | trig ct at upper position  | False |
| 2012-11-09<br>17:49:52 | 660627 | DhcNoise | 0   | unknown | 30x30 | 0      | high gain noise run  | False |
| 2012-11-09<br>20:05:35 | 660628 | beamData | 180 | -       | 10x10 | 40109  |  | False |
| 2012-11-09<br>21:06:06 | 660629 | beamData | 180 | -       | 10x10 | 35541  | last 5000 events had<br>fluctating intensity<br>(between 400 and 800)                    | False |
| 2012-11-09<br>21:44:39 | 660630 | beamData | 180 | -       | 10x10 | 41285  |  | False |
| 2012-11-09<br>23:33:35 | 660631 | beamData | 180 | -       | 10x10 | 53186  |  | False |
| 2012-11-09<br>23:43:31 | 660632 | beamData | 180 | -       | 10x10 | 42254  |  | False |
| 2012-11-10<br>02:14:28 | 660634 | beamData | 50  | -       | 10x10 | 131352 | High-gain settings, lower<br>HV Lost ~10% beam<br>intensity half-way<br>through this run | False |
| 2012-11-10<br>02:38:00 | 660635 | beamData | 50  | -       | 10x10 | 19052  | Beam lost  | False |
| 2012-11-10<br>02:50:53 | 660636 | beamData | 50  | -       | 10x10 | 28     | Beam lost - very short<br>run  | False |

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|                        |        |          |     |         |       |        |  |       |
|------------------------|--------|----------|-----|---------|-------|--------|--|-------|
| 2012-11-10<br>05:17:02 | 660637 | beamData | 50  | -       | 10x10 | 153711 |  | False |
| 2012-11-10<br>05:59:36 | 660638 | beamData | 50  | -       | 10x10 | 44112  | Beam lost. Stopped run.                          | False |
| 2012-11-10<br>07:28:31 | 660640 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-11-10<br>10:20:14 | 660641 | DhcNoise | 0   | unknown | 10x10 | 0      | back to low gain setting<br>6.1kv                | False |
| 2012-11-10<br>16:13:50 | 660642 | beamData | 50  | -       | 10x10 | 41620  |  | False |
| 2012-11-10<br>16:51:50 | 660643 | beamData | 50  | -       | 10x10 | 40286  |  | False |
| 2012-11-10<br>17:24:20 | 660644 | beamData | 50  | -       | 10x10 | 42077  | rate dropped in between<br>from 1300 to 900      | False |
| 2012-11-10<br>18:03:53 | 660645 | beamData | 50  | -       | 10x10 | 39207  | large rate variations:<br>1200-2200. Mainly 1800 | False |
| 2012-11-10<br>18:25:18 | 660646 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |
| 2012-11-10<br>20:48:38 | 660647 | beamData | 180 | -       | 10x10 | 16319  | rate variations between<br>250 and 350           | False |
| 2012-11-10<br>20:53:15 | 660648 | DhcNoise | 0   | unknown | 10x10 | 0      |  | False |

| 2012-11-10 23:56:43 | 660649 | DhcNoise | 0 | unknown | 10x10 | 0 | | False |

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Topic revision: r4 - 2013-12-16 - ErikVanDerKraaij



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