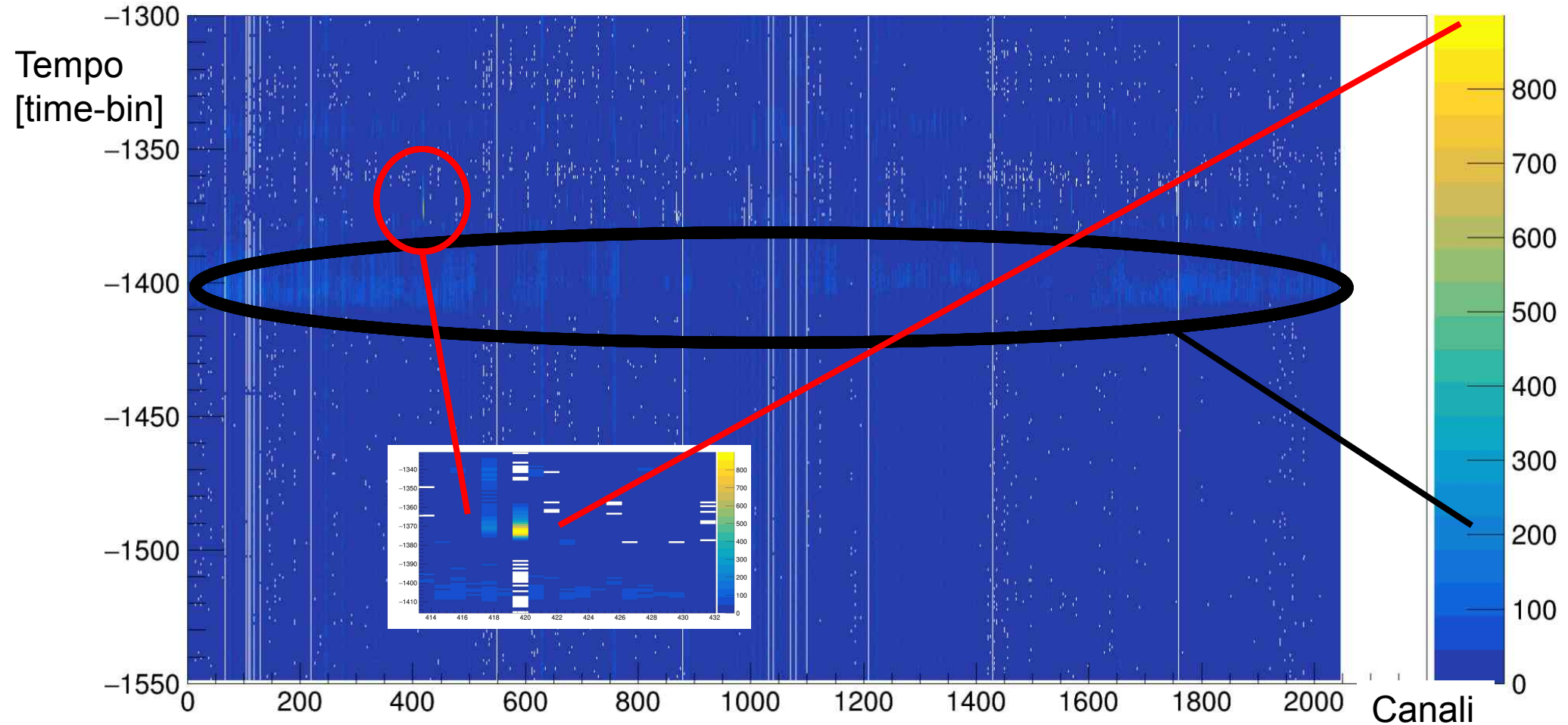

PROBLEMA 1: NOISE PEAKING TIME



RUN 338 - solo L1

Nella zona evidenziata dovresti vedere una banda di segnale ma non si vede nulla perché ci sono alcuni bin che sono molto più accesi degli altri.

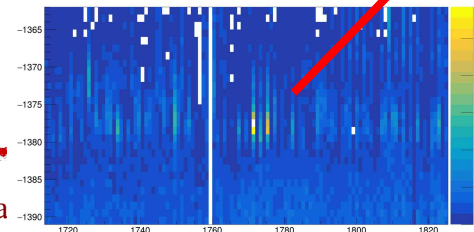
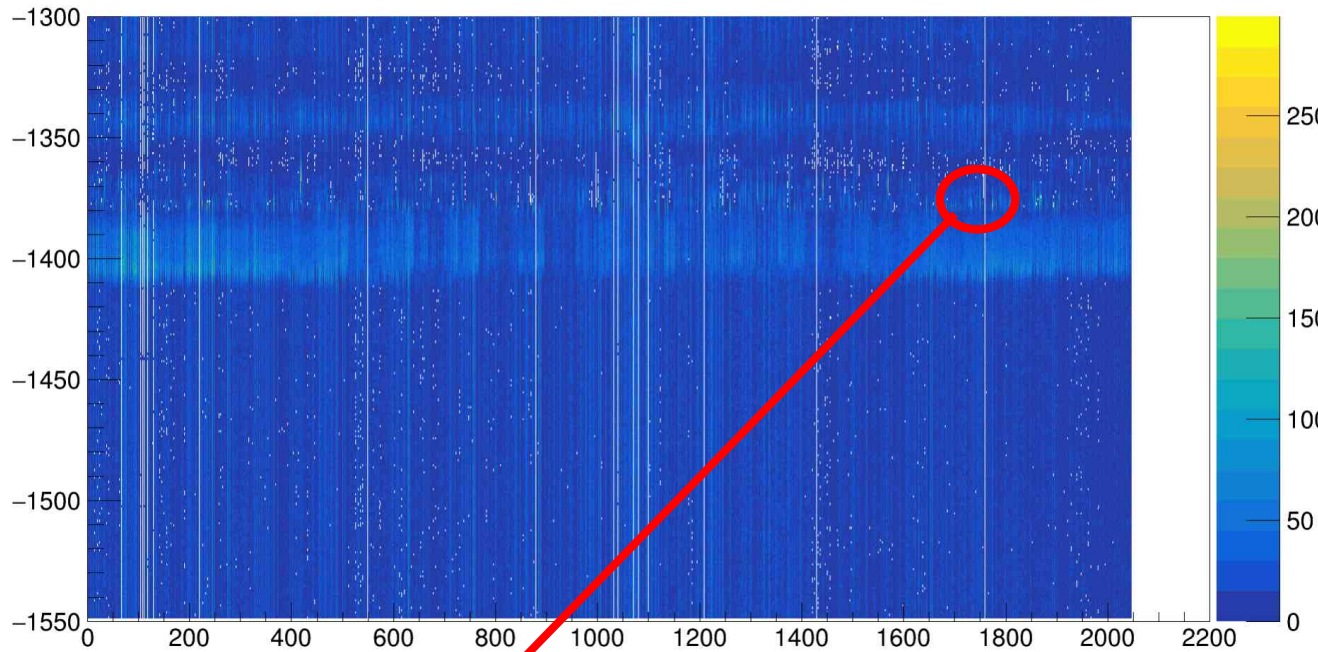


RUN 338 - solo L1 - channels over 300 entries

Lista dei canali con piu di 300 entries:

channel: 424 , tcoarse_min_ts: -1375 , number of entries: 468
channel: 424 , tcoarse_min_ts: -1374 , number of entries: 774
channel: 424 , tcoarse_min_ts: -1373 , number of entries: 875
channel: 424 , tcoarse_min_ts: -1372 , number of entries: 898
channel: 424 , tcoarse_min_ts: -1371 , number of entries: 822
channel: 424 , tcoarse_min_ts: -1370 , number of entries: 633
channel: 424 , tcoarse_min_ts: -1369 , number of entries: 583
channel: 424 , tcoarse_min_ts: -1368 , number of entries: 425
channel: 616 , tcoarse_min_ts: -1376 , number of entries: 344
channel: 616 , tcoarse_min_ts: -1375 , number of entries: 406
channel: 616 , tcoarse_min_ts: -1374 , number of entries: 417
channel: 616 , tcoarse_min_ts: -1373 , number of entries: 395
channel: 939 , tcoarse_min_ts: -1377 , number of entries: 356
channel: 939 , tcoarse_min_ts: -1376 , number of entries: 432
channel: 939 , tcoarse_min_ts: -1375 , number of entries: 396
channel: 1068 , tcoarse_min_ts: -1377 , number of entries: 430
channel: 1068 , tcoarse_min_ts: -1376 , number of entries: 671
channel: 1068 , tcoarse_min_ts: -1375 , number of entries: 787
channel: 1068 , tcoarse_min_ts: -1374 , number of entries: 690
channel: 1068 , tcoarse_min_ts: -1373 , number of entries: 598
channel: 1068 , tcoarse_min_ts: -1372 , number of entries: 468
channel: 1068 , tcoarse_min_ts: -1371 , number of entries: 377
channel: 1788 , tcoarse_min_ts: -1377 , number of entries: 304
channel: 1917 , tcoarse_min_ts: -1378 , number of entries: 348
channel: 1917 , tcoarse_min_ts: -1377 , number of entries: 385
channel: 1917 , tcoarse_min_ts: -1376 , number of entries: 389

Togliendo questi canali si vede meglio il segnale ma qualche bin spara ancora molti conteggi.



RUN 338 - solo L1 - channels over 170 entries

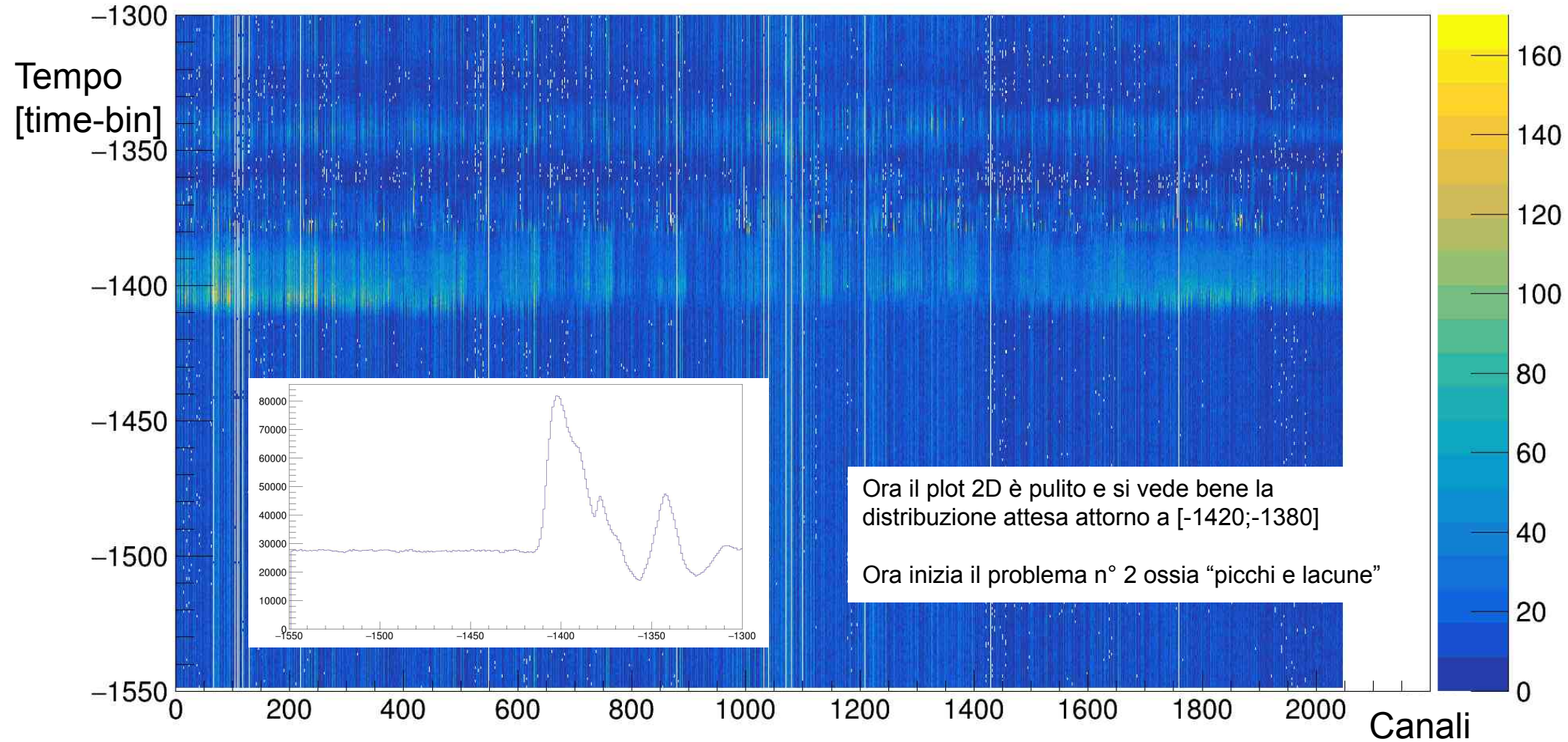
channel: 228 , tcoarse_min_ts: -1377 , number of entries: 199
channel: 240 , tcoarse_min_ts: -1378 , number of entries: 190
channel: 240 , tcoarse_min_ts: -1377 , number of entries: 214
channel: 242 , tcoarse_min_ts: -1377 , number of entries: 195
channel: 422 , tcoarse_min_ts: -1372 , number of entries: 174
channel: 422 , tcoarse_min_ts: -1371 , number of entries: 181
channel: 422 , tcoarse_min_ts: -1370 , number of entries: 183
channel: 424 , tcoarse_min_ts: -1376 , number of entries: 187
channel: 424 , tcoarse_min_ts: -1367 , number of entries: 282
channel: 424 , tcoarse_min_ts: -1366 , number of entries: 237
channel: 424 , tcoarse_min_ts: -1365 , number of entries: 187
channel: 424 , tcoarse_min_ts: -1364 , number of entries: 200
channel: 424 , tcoarse_min_ts: -1363 , number of entries: 177
channel: 551 , tcoarse_min_ts: -1372 , number of entries: 182
channel: 551 , tcoarse_min_ts: -1370 , number of entries: 174
channel: 616 , tcoarse_min_ts: -1377 , number of entries: 218
channel: 616 , tcoarse_min_ts: -1372 , number of entries: 284
channel: 616 , tcoarse_min_ts: -1371 , number of entries: 263
channel: 616 , tcoarse_min_ts: -1370 , number of entries: 236
channel: 616 , tcoarse_min_ts: -1369 , number of entries: 256
channel: 616 , tcoarse_min_ts: -1368 , number of entries: 284
channel: 616 , tcoarse_min_ts: -1367 , number of entries: 275
channel: 616 , tcoarse_min_ts: -1366 , number of entries: 265
channel: 616 , tcoarse_min_ts: -1365 , number of entries: 299
channel: 616 , tcoarse_min_ts: -1364 , number of entries: 247
channel: 616 , tcoarse_min_ts: -1363 , number of entries: 237
channel: 616 , tcoarse_min_ts: -1362 , number of entries: 206
channel: 616 , tcoarse_min_ts: -1361 , number of entries: 215
channel: 616 , tcoarse_min_ts: -1360 , number of entries: 228
channel: 616 , tcoarse_min_ts: -1359 , number of entries: 171
channel: 616 , tcoarse_min_ts: -1358 , number of entries: 185

channel: 616 , tcoarse_min_ts: -1356 , number of entries: 176
channel: 616 , tcoarse_min_ts: -1355 , number of entries: 177
channel: 810 , tcoarse_min_ts: -1376 , number of entries: 224
channel: 810 , tcoarse_min_ts: -1375 , number of entries: 237
channel: 810 , tcoarse_min_ts: -1374 , number of entries: 248
channel: 810 , tcoarse_min_ts: -1373 , number of entries: 183
channel: 939 , tcoarse_min_ts: -1378 , number of entries: 227
channel: 939 , tcoarse_min_ts: -1374 , number of entries: 295
channel: 939 , tcoarse_min_ts: -1373 , number of entries: 212
channel: 1068 , tcoarse_min_ts: -1378 , number of entries: 259
channel: 1068 , tcoarse_min_ts: -1370 , number of entries: 296
channel: 1068 , tcoarse_min_ts: -1369 , number of entries: 216
channel: 1068 , tcoarse_min_ts: -1368 , number of entries: 194
channel: 1389 , tcoarse_min_ts: -1366 , number of entries: 182
channel: 1389 , tcoarse_min_ts: -1365 , number of entries: 188
channel: 1402 , tcoarse_min_ts: -1379 , number of entries: 174
channel: 1402 , tcoarse_min_ts: -1378 , number of entries: 284
channel: 1402 , tcoarse_min_ts: -1377 , number of entries: 247
channel: 1456 , tcoarse_min_ts: -1371 , number of entries: 182
channel: 1456 , tcoarse_min_ts: -1370 , number of entries: 195
channel: 1456 , tcoarse_min_ts: -1369 , number of entries: 185
channel: 1456 , tcoarse_min_ts: -1368 , number of entries: 190
channel: 1585 , tcoarse_min_ts: -1371 , number of entries: 187
channel: 1585 , tcoarse_min_ts: -1370 , number of entries: 195
channel: 1585 , tcoarse_min_ts: -1369 , number of entries: 200
channel: 1585 , tcoarse_min_ts: -1368 , number of entries: 222
channel: 1585 , tcoarse_min_ts: -1367 , number of entries: 193
channel: 1788 , tcoarse_min_ts: -1378 , number of entries: 292
channel: 1788 , tcoarse_min_ts: -1376 , number of entries: 204
channel: 1792 , tcoarse_min_ts: -1378 , number of entries: 227
channel: 1792 , tcoarse_min_ts: -1377 , number of entries: 212

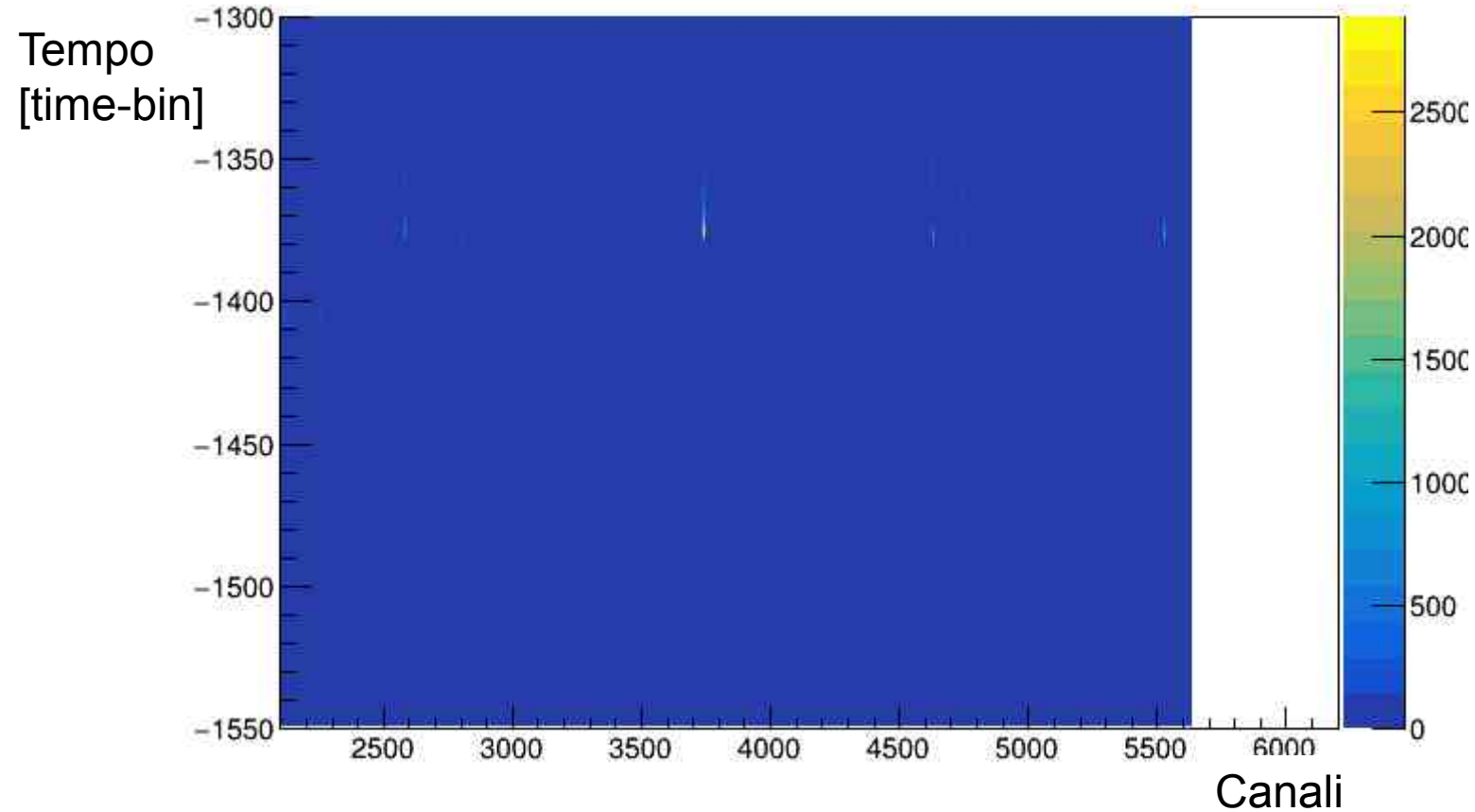
channel: 1879 , tcoarse_min_ts: -1377 , number of entries: 179
channel: 1896 , tcoarse_min_ts: -1378 , number of entries: 173
channel: 1896 , tcoarse_min_ts: -1377 , number of entries: 265
channel: 1896 , tcoarse_min_ts: -1376 , number of entries: 292
channel: 1896 , tcoarse_min_ts: -1375 , number of entries: 283
channel: 1896 , tcoarse_min_ts: -1374 , number of entries: 236
channel: 1896 , tcoarse_min_ts: -1373 , number of entries: 198
channel: 1907 , tcoarse_min_ts: -1376 , number of entries: 172
channel: 1917 , tcoarse_min_ts: -1379 , number of entries: 185
channel: 1917 , tcoarse_min_ts: -1375 , number of entries: 269
channel: 1921 , tcoarse_min_ts: -1378 , number of entries: 176
channel: 1921 , tcoarse_min_ts: -1377 , number of entries: 257
channel: 1921 , tcoarse_min_ts: -1376 , number of entries: 199



RUN 338 - solo L1 - w/o channels over 170 entries



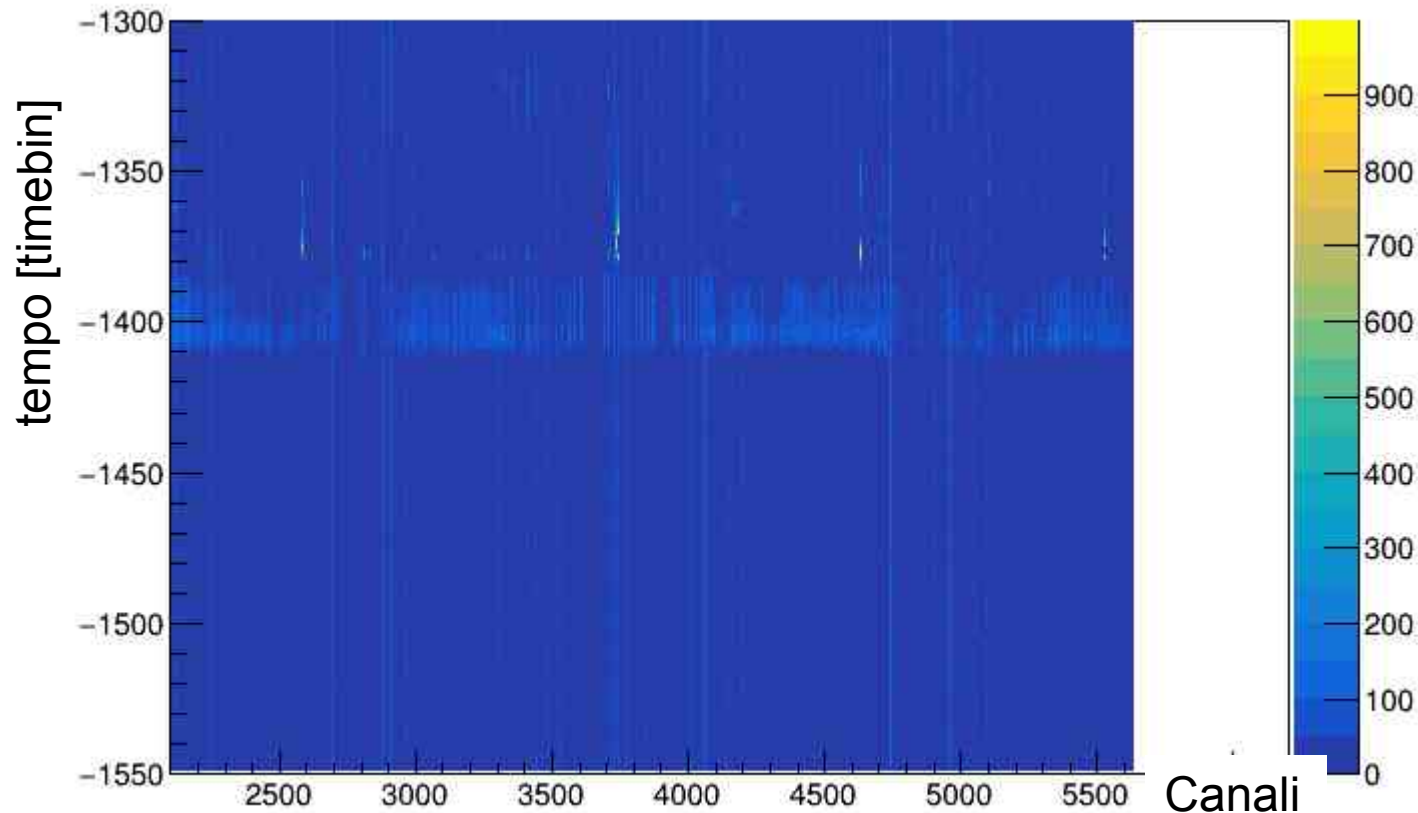
RUN 338 - solo L2



RUN 338 - sol⁺ L2 - channels over 1000 entries

channel+= 2100

channel: 103 , tcoarse_min_ts: -1375 , number of entries: 1137
channel: 103 , tcoarse_min_ts: -1374 , number of entries: 1415
channel: 103 , tcoarse_min_ts: -1373 , number of entries: 1310
channel: 231 , tcoarse_min_ts: -1377 , number of entries: 1092
channel: 231 , tcoarse_min_ts: -1376 , number of entries: 1034
channel: 1127 , tcoarse_min_ts: -1378 , number of entries: 1110
channel: 1127 , tcoarse_min_ts: -1377 , number of entries: 1159
channel: 1511 , tcoarse_min_ts: -1376 , number of entries: 1005
channel: 1511 , tcoarse_min_ts: -1375 , number of entries: 1206
channel: 1511 , tcoarse_min_ts: -1374 , number of entries: 1076
channel: 1647 , tcoarse_min_ts: -1377 , number of entries: 1638
channel: 1647 , tcoarse_min_ts: -1376 , number of entries: 2534
channel: 1647 , tcoarse_min_ts: -1375 , number of entries: 2890
channel: 1647 , tcoarse_min_ts: -1374 , number of entries: 2473
channel: 1647 , tcoarse_min_ts: -1373 , number of entries: 1916
channel: 1647 , tcoarse_min_ts: -1372 , number of entries: 1472
channel: 1647 , tcoarse_min_ts: -1371 , number of entries: 1101
channel: 3047 , tcoarse_min_ts: -1376 , number of entries: 1133
channel: 3047 , tcoarse_min_ts: -1375 , number of entries: 1119
channel: 3303 , tcoarse_min_ts: -1374 , number of entries: 1070
channel: 3431 , tcoarse_min_ts: -1377 , number of entries: 1132
channel: 3431 , tcoarse_min_ts: -1376 , number of entries: 1258
channel: 3431 , tcoarse_min_ts: -1375 , number of entries: 1015



RUN 338 - solo L2 - channels over 300 entries

channel: 1647 , tcoarse_min_ts: -1365 , number of entries: 382
channel: 1647 , tcoarse_min_ts: -1364 , number of entries: 333
channel: 1767 , tcoarse_min_ts: -1377 , number of entries: 391
channel: 1767 , tcoarse_min_ts: -1376 , number of entries: 463
channel: 1767 , tcoarse_min_ts: -1375 , number of entries: 416
channel: 2023 , tcoarse_min_ts: -1376 , number of entries: 447
channel: 2023 , tcoarse_min_ts: -1375 , number of entries: 673
channel: 2023 , tcoarse_min_ts: -1374 , number of entries: 764
channel: 2023 , tcoarse_min_ts: -1373 , number of entries: 604
channel: 2023 , tcoarse_min_ts: -1372 , number of entries: 455
channel: 2023 , tcoarse_min_ts: -1371 , number of entries: 347
channel: 2023 , tcoarse_min_ts: -1369 , number of entries: 336
channel: 2023 , tcoarse_min_ts: -1368 , number of entries: 474
channel: 2023 , tcoarse_min_ts: -1367 , number of entries: 619
channel: 2023 , tcoarse_min_ts: -1366 , number of entries: 777
channel: 2023 , tcoarse_min_ts: -1365 , number of entries: 693
channel: 2023 , tcoarse_min_ts: -1364 , number of entries: 734
channel: 2023 , tcoarse_min_ts: -1363 , number of entries: 642
channel: 2023 , tcoarse_min_ts: -1362 , number of entries: 578
channel: 2023 , tcoarse_min_ts: -1361 , number of entries: 491
channel: 2023 , tcoarse_min_ts: -1360 , number of entries: 421
channel: 2023 , tcoarse_min_ts: -1359 , number of entries: 307
channel: 2151 , tcoarse_min_ts: -1377 , number of entries: 336
channel: 2151 , tcoarse_min_ts: -1376 , number of entries: 424
channel: 2151 , tcoarse_min_ts: -1375 , number of entries: 438
channel: 2151 , tcoarse_min_ts: -1374 , number of entries: 453
channel: 2151 , tcoarse_min_ts: -1373 , number of entries: 345
channel: 2279 , tcoarse_min_ts: -1377 , number of entries: 446
channel: 2279 , tcoarse_min_ts: -1376 , number of entries: 485
channel: 2279 , tcoarse_min_ts: -1375 , number of entries: 523
channel: 2279 , tcoarse_min_ts: -1374 , number of entries: 426
channel: 2279 , tcoarse_min_ts: -1373 , number of entries: 388
channel: 2407 , tcoarse_min_ts: -1376 , number of entries: 374
channel: 2407 , tcoarse_min_ts: -1375 , number of entries: 497
channel: 2407 , tcoarse_min_ts: -1374 , number of entries: 622
channel: 2407 , tcoarse_min_ts: -1373 , number of entries: 653
channel: 2407 , tcoarse_min_ts: -1372 , number of entries: 577
channel: 2407 , tcoarse_min_ts: -1371 , number of entries: 491
channel: 2407 , tcoarse_min_ts: -1370 , number of entries: 469
channel: 2407 , tcoarse_min_ts: -1369 , number of entries: 438
channel: 2407 , tcoarse_min_ts: -1368 , number of entries: 440
channel: 2407 , tcoarse_min_ts: -1367 , number of entries: 370
channel: 2535 , tcoarse_min_ts: -1380 , number of entries: 381
channel: 2535 , tcoarse_min_ts: -1379 , number of entries: 612
channel: 2535 , tcoarse_min_ts: -1378 , number of entries: 823
channel: 2535 , tcoarse_min_ts: -1377 , number of entries: 999
channel: 2535 , tcoarse_min_ts: -1376 , number of entries: 934
channel: 2535 , tcoarse_min_ts: -1375 , number of entries: 754
channel: 2535 , tcoarse_min_ts: -1374 , number of entries: 461
channel: 2663 , tcoarse_min_ts: -1378 , number of entries: 451
channel: 2663 , tcoarse_min_ts: -1377 , number of entries: 748
channel: 2663 , tcoarse_min_ts: -1376 , number of entries: 825
channel: 2663 , tcoarse_min_ts: -1375 , number of entries: 656

channel: 2663 , tcoarse_min_ts: -1374 , number of entries: 441
channel: 2791 , tcoarse_min_ts: -1377 , number of entries: 461
channel: 2791 , tcoarse_min_ts: -1376 , number of entries: 579
channel: 2791 , tcoarse_min_ts: -1375 , number of entries: 515
channel: 2791 , tcoarse_min_ts: -1374 , number of entries: 473
channel: 2791 , tcoarse_min_ts: -1373 , number of entries: 305
channel: 2919 , tcoarse_min_ts: -1377 , number of entries: 464
channel: 2919 , tcoarse_min_ts: -1376 , number of entries: 789
channel: 2919 , tcoarse_min_ts: -1375 , number of entries: 964
channel: 2919 , tcoarse_min_ts: -1374 , number of entries: 833
channel: 2919 , tcoarse_min_ts: -1373 , number of entries: 533
channel: 2919 , tcoarse_min_ts: -1372 , number of entries: 361
channel: 2919 , tcoarse_min_ts: -1356 , number of entries: 317
channel: 3047 , tcoarse_min_ts: -1378 , number of entries: 563
channel: 3047 , tcoarse_min_ts: -1377 , number of entries: 968
channel: 3047 , tcoarse_min_ts: -1374 , number of entries: 820
channel: 3047 , tcoarse_min_ts: -1373 , number of entries: 561
channel: 3047 , tcoarse_min_ts: -1372 , number of entries: 355
channel: 3047 , tcoarse_min_ts: -1357 , number of entries: 350
channel: 3047 , tcoarse_min_ts: -1356 , number of entries: 381
channel: 3047 , tcoarse_min_ts: -1355 , number of entries: 347
channel: 3175 , tcoarse_min_ts: -1379 , number of entries: 337
channel: 3175 , tcoarse_min_ts: -1378 , number of entries: 484
channel: 3175 , tcoarse_min_ts: -1377 , number of entries: 604
channel: 3175 , tcoarse_min_ts: -1376 , number of entries: 756
channel: 3175 , tcoarse_min_ts: -1375 , number of entries: 697
channel: 3175 , tcoarse_min_ts: -1374 , number of entries: 536
channel: 3175 , tcoarse_min_ts: -1373 , number of entries: 325
channel: 3303 , tcoarse_min_ts: -1377 , number of entries: 335
channel: 3303 , tcoarse_min_ts: -1376 , number of entries: 672
channel: 3303 , tcoarse_min_ts: -1375 , number of entries: 962
channel: 3303 , tcoarse_min_ts: -1373 , number of entries: 841
channel: 3303 , tcoarse_min_ts: -1372 , number of entries: 523
channel: 3303 , tcoarse_min_ts: -1371 , number of entries: 314
channel: 3431 , tcoarse_min_ts: -1378 , number of entries: 662
channel: 3431 , tcoarse_min_ts: -1374 , number of entries: 729
channel: 3431 , tcoarse_min_ts: -1373 , number of entries: 454
channel: 3431 , tcoarse_min_ts: -1372 , number of entries: 324

channel+= 2100

