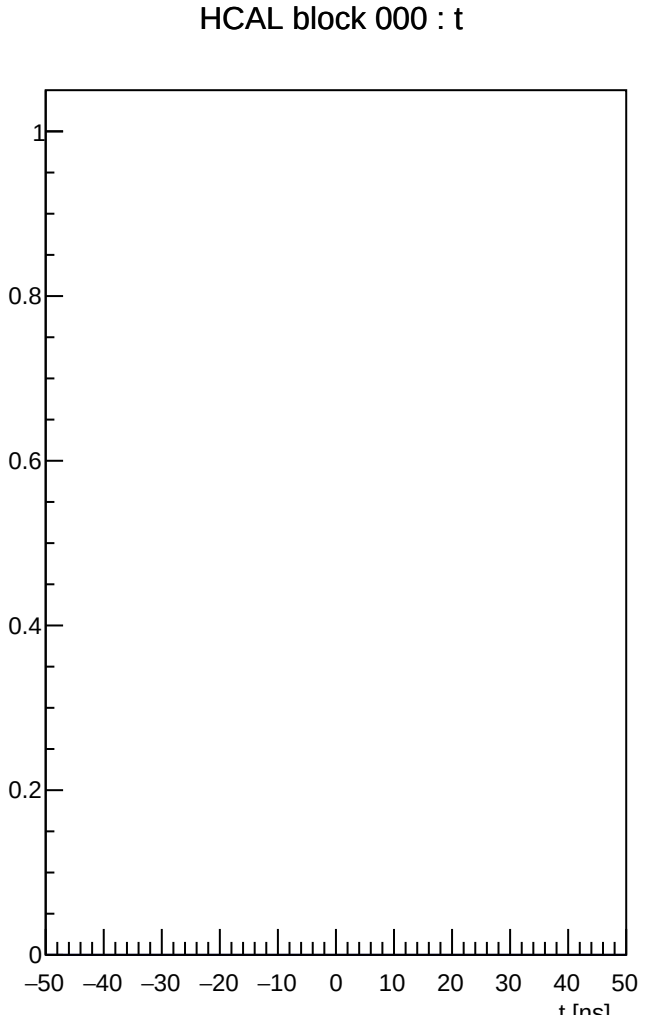
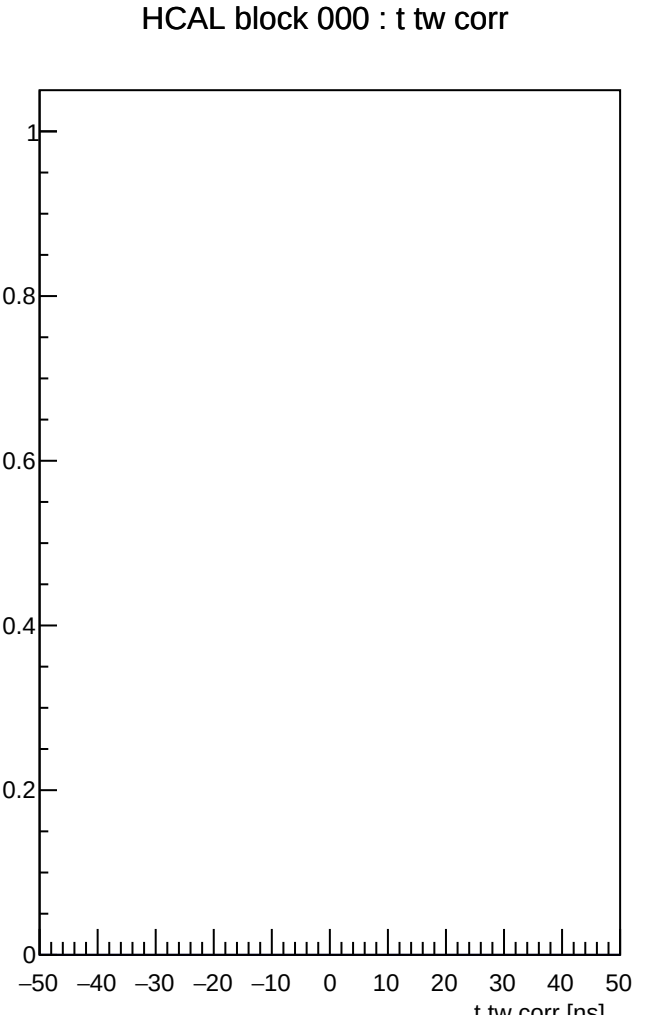
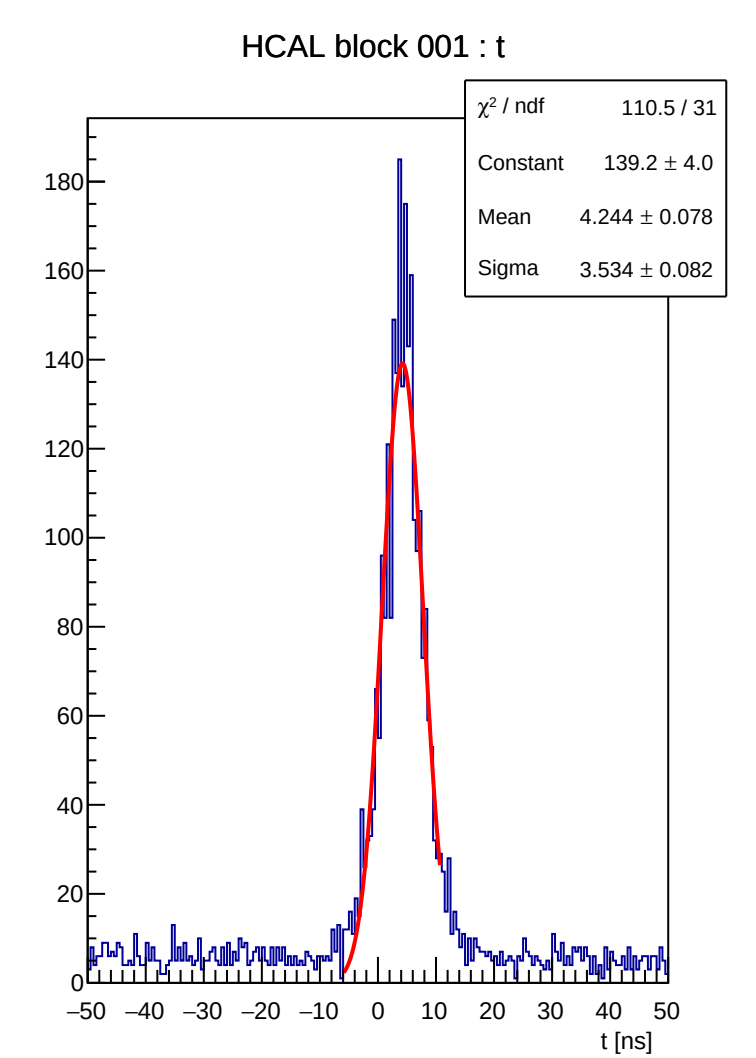
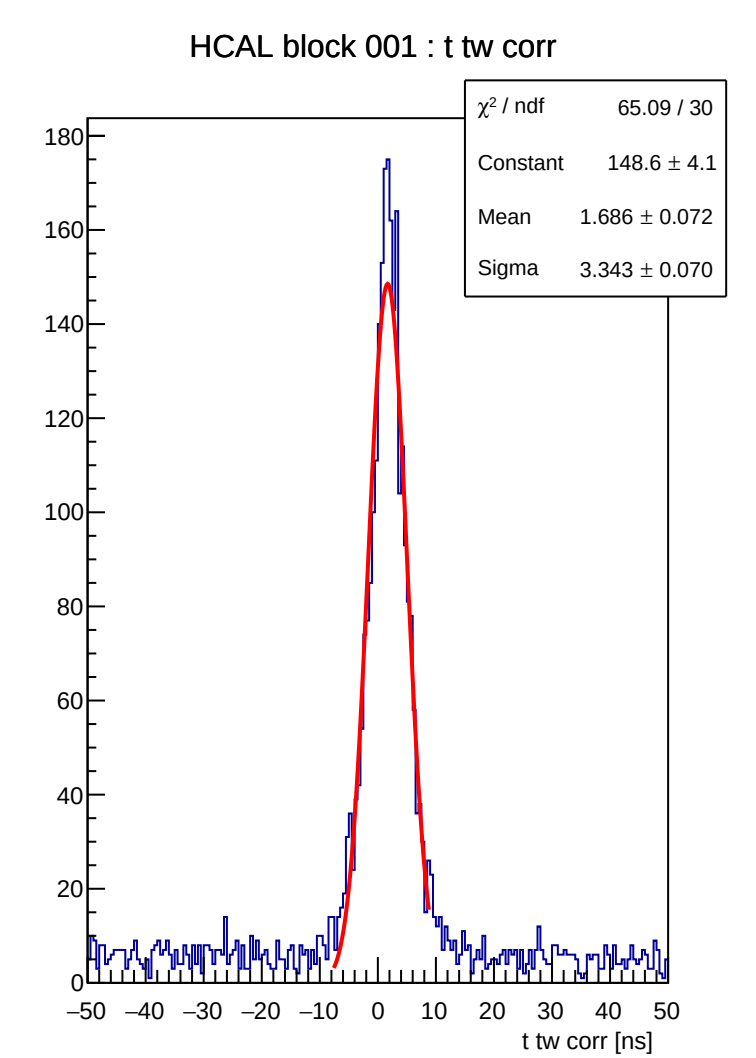
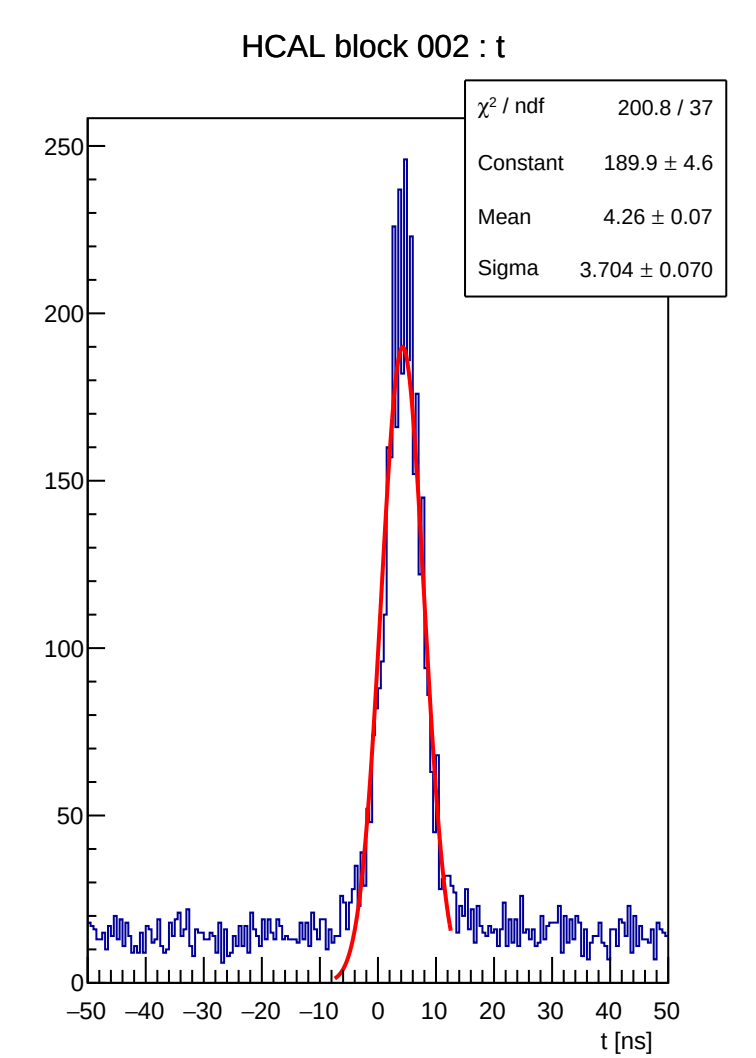
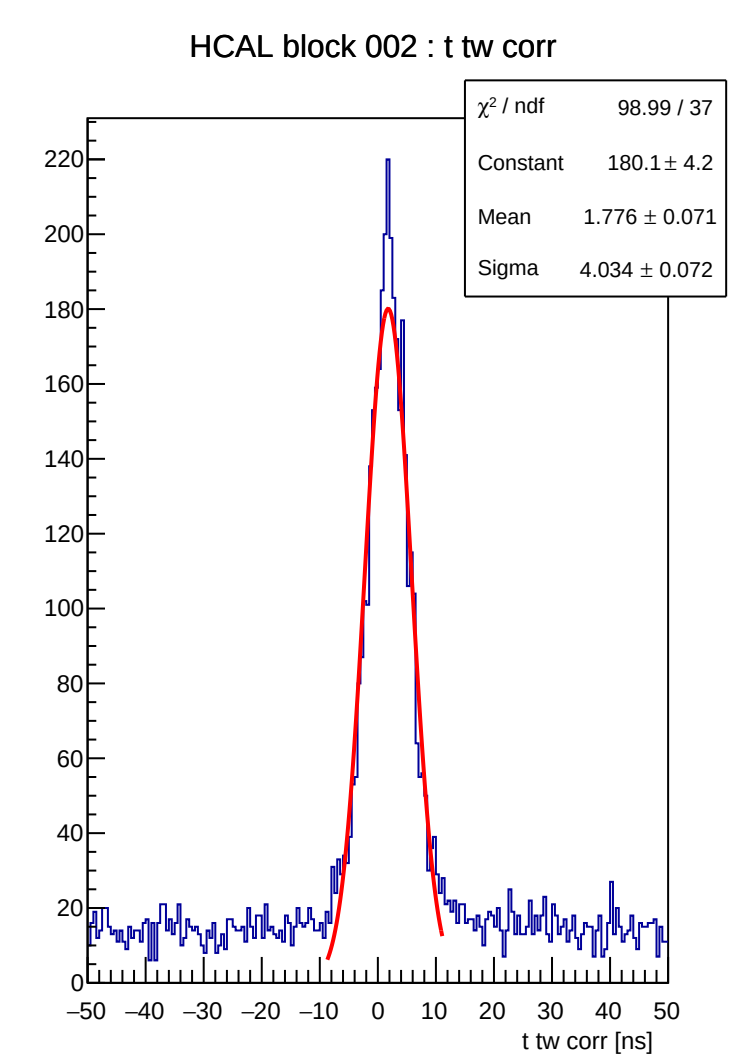

HCAL block 000 : t
1
0.8
0.6
0.4
0.2
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

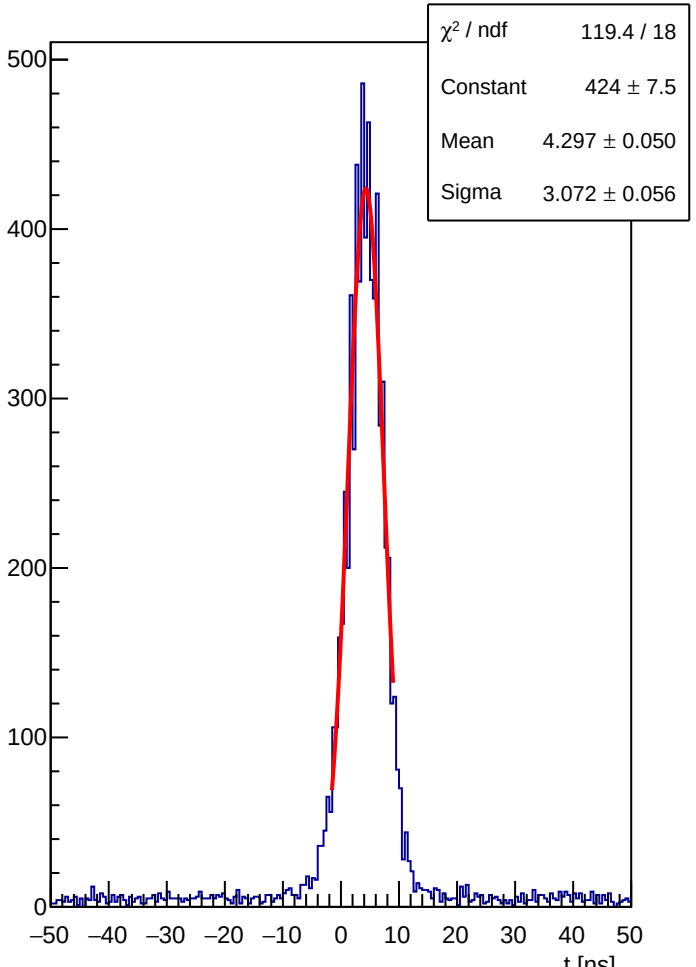

HCAL block 000 : t tw corr
1
0.8
0.6
0.4
0.2
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

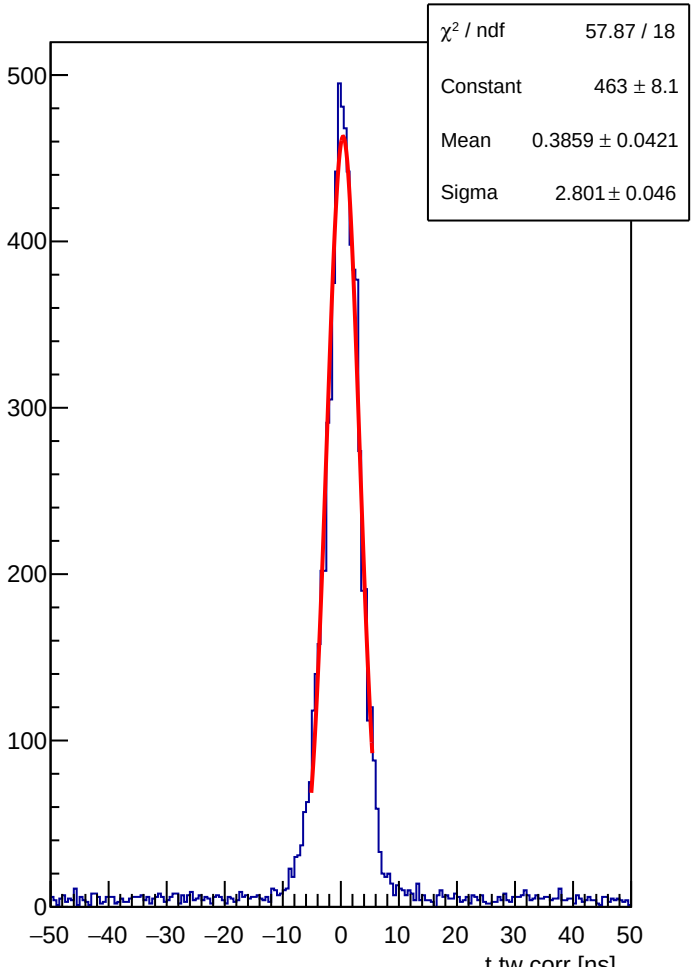

HCAL block 001 : t
χ² / ndf 110.5 / 31
Constant 139.2 ± 4.0
Mean 4.244 ± 0.078
Sigma 3.534 ± 0.082
t [ns]

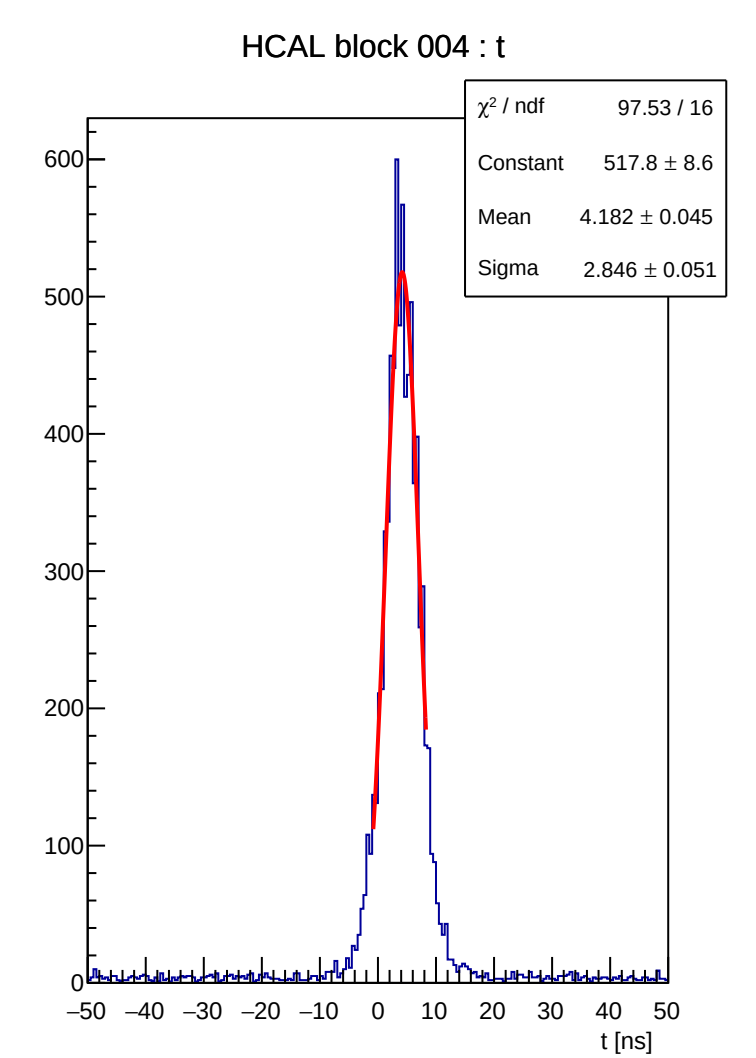

HCAL block 001 : t tw corr
χ² / ndf 65.09 / 30
Constant 148.6 ± 4.1
Mean 1.686 ± 0.072
Sigma 3.343 ± 0.070
t tw corr [ns]

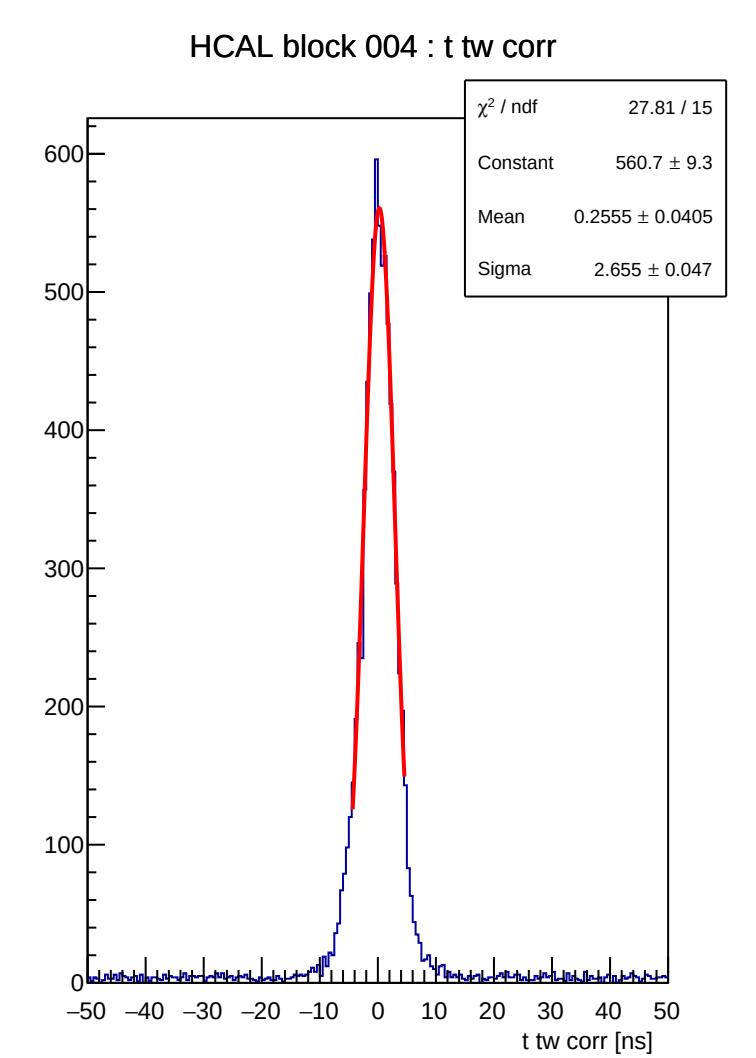

HCAL block 002 : t
χ² / ndf 200.8 / 37
Constant 189.9 ± 4.6
Mean 4.26 ± 0.07
Sigma 3.704 ± 0.070
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

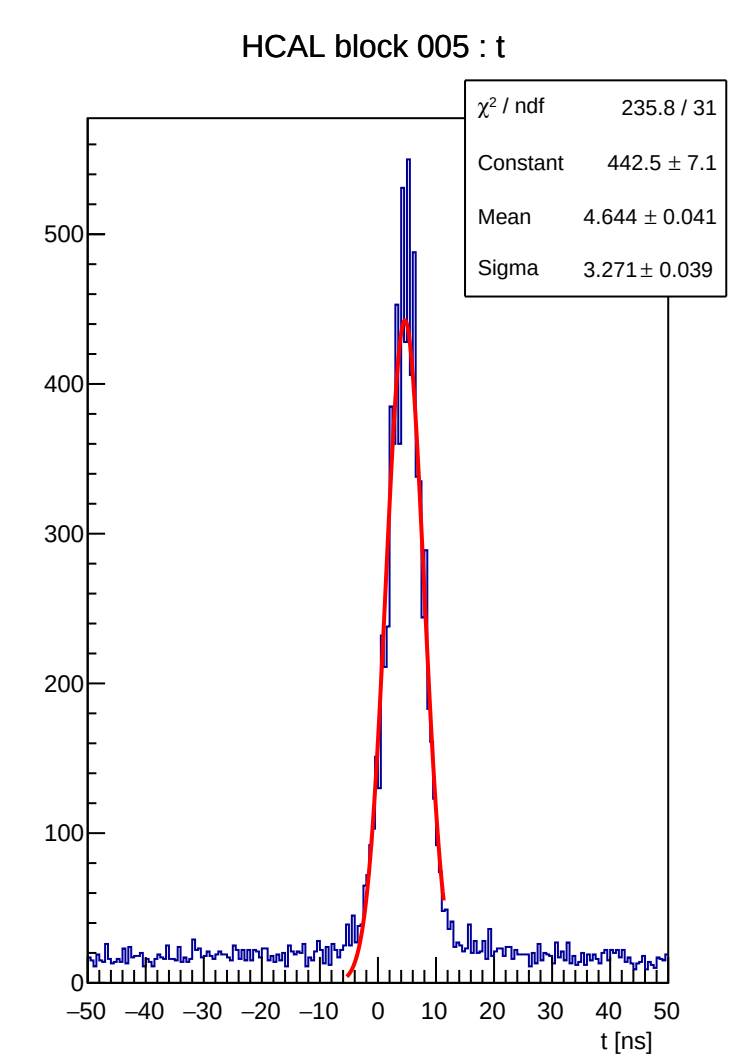

HCAL block 002 : t tw corr
χ² / ndf 98.99 / 37
Constant 180.1 ± 4.2
Mean 1.776 ± 0.071
Sigma 4.034 ± 0.072
220
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

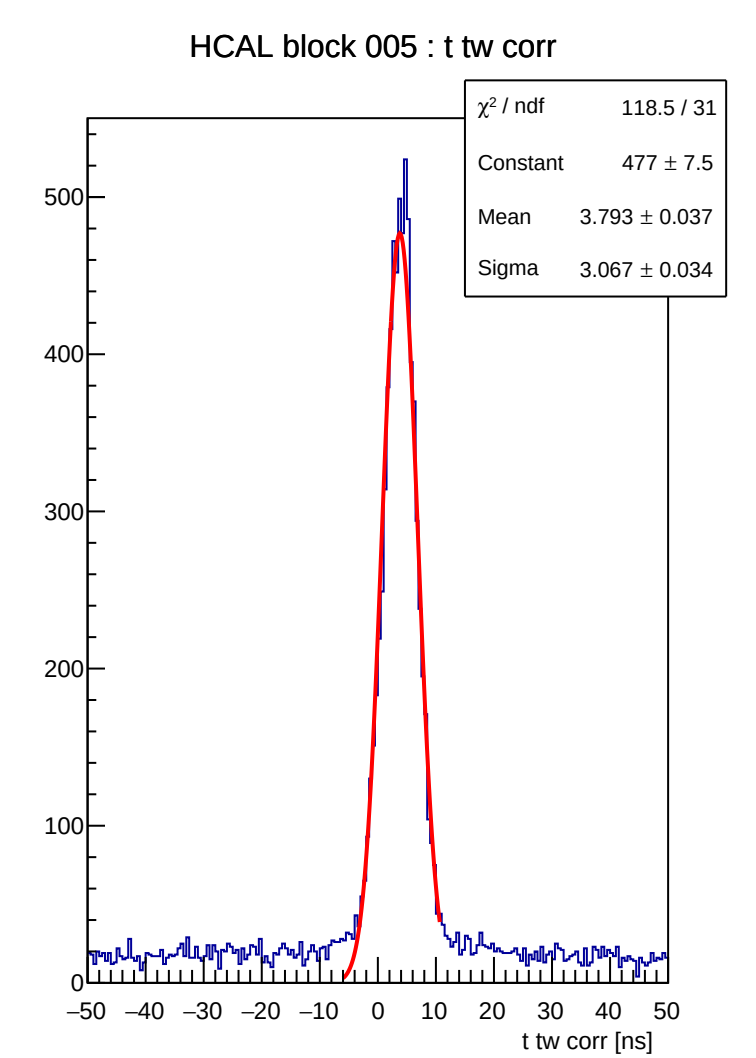

HCAL block 003 : t
χ² / ndf 119.4 / 18
Constant 424 ± 7.5
Mean 4.297 ± 0.050
Sigma 3.072 ± 0.056
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

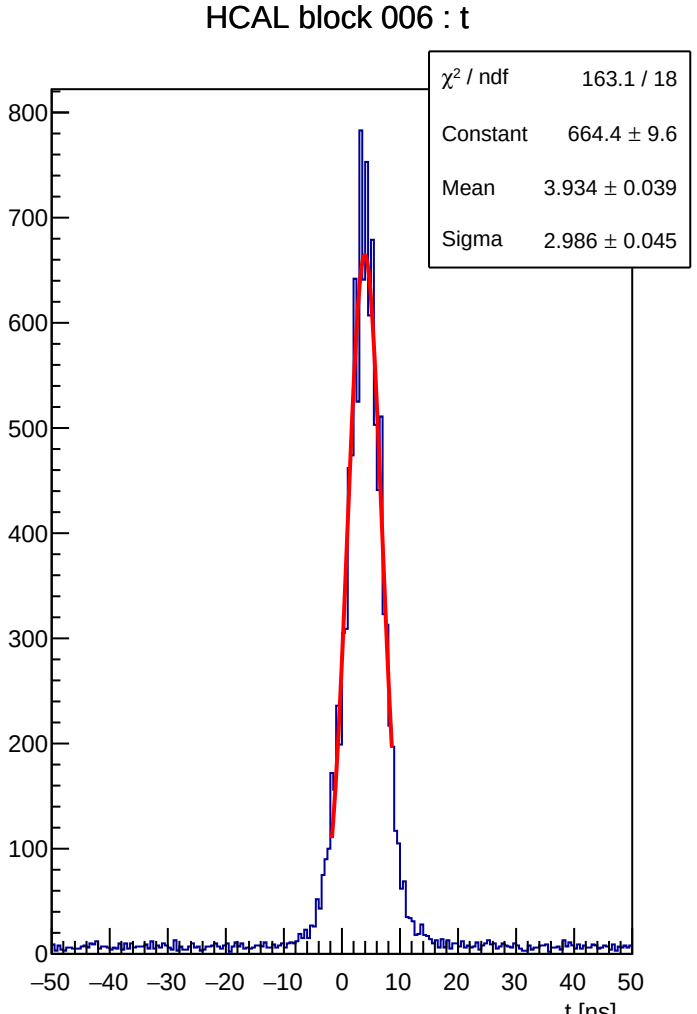

HCAL block 003 : t tw corr
χ² / ndf 57.87 / 18
Constant 463 ± 8.1
Mean 0.3859 ± 0.0421
Sigma 2.801 ± 0.046
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

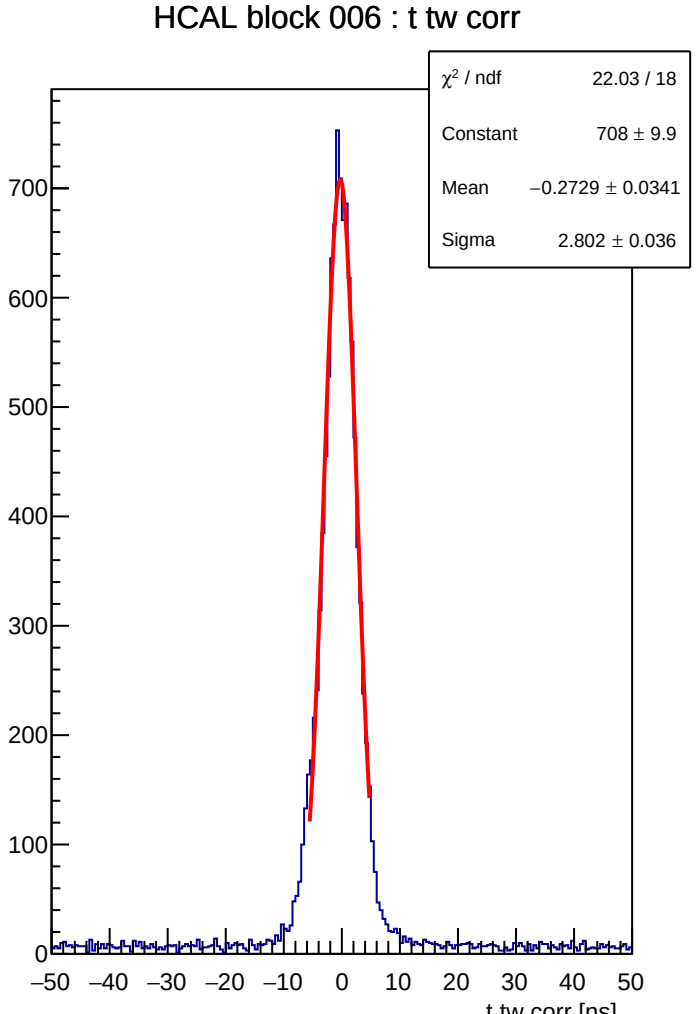

HCAL block 004 : t
χ² / ndf 97.53 / 16
Constant 517.8 ± 8.6
Mean 4.182 ± 0.045
Sigma 2.846 ± 0.051
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

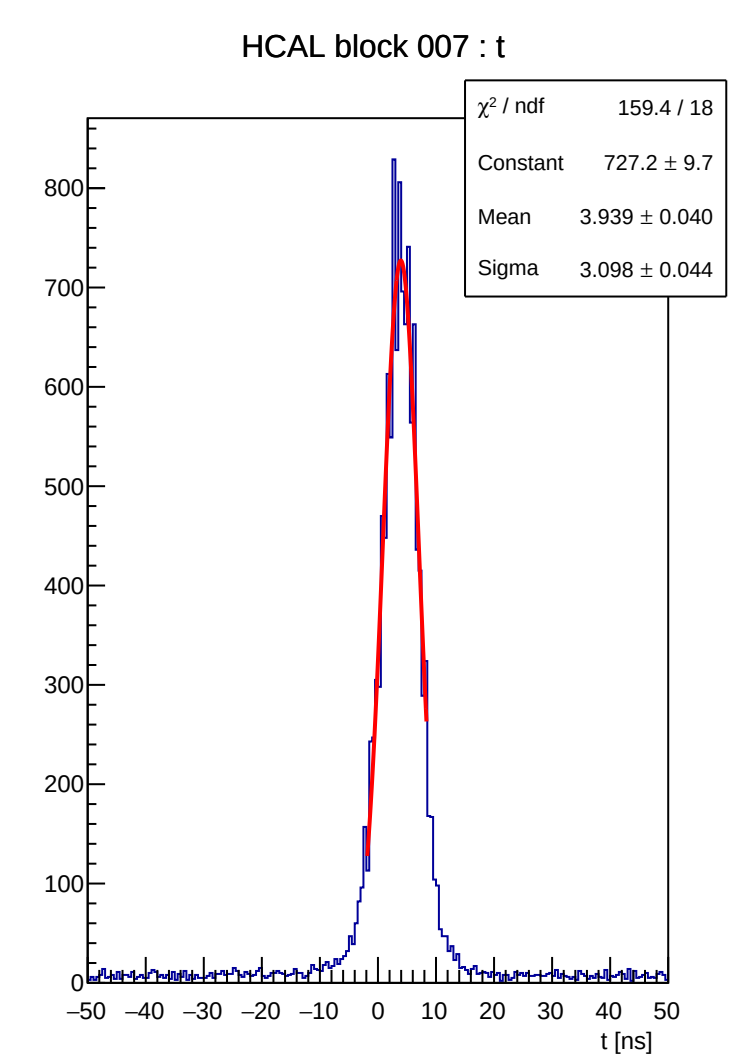

HCAL block 004 : t tw corr
χ² / ndf 27.81 / 15
Constant 560.7 ± 9.3
Mean 0.2555 ± 0.0405
Sigma 2.655 ± 0.047
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

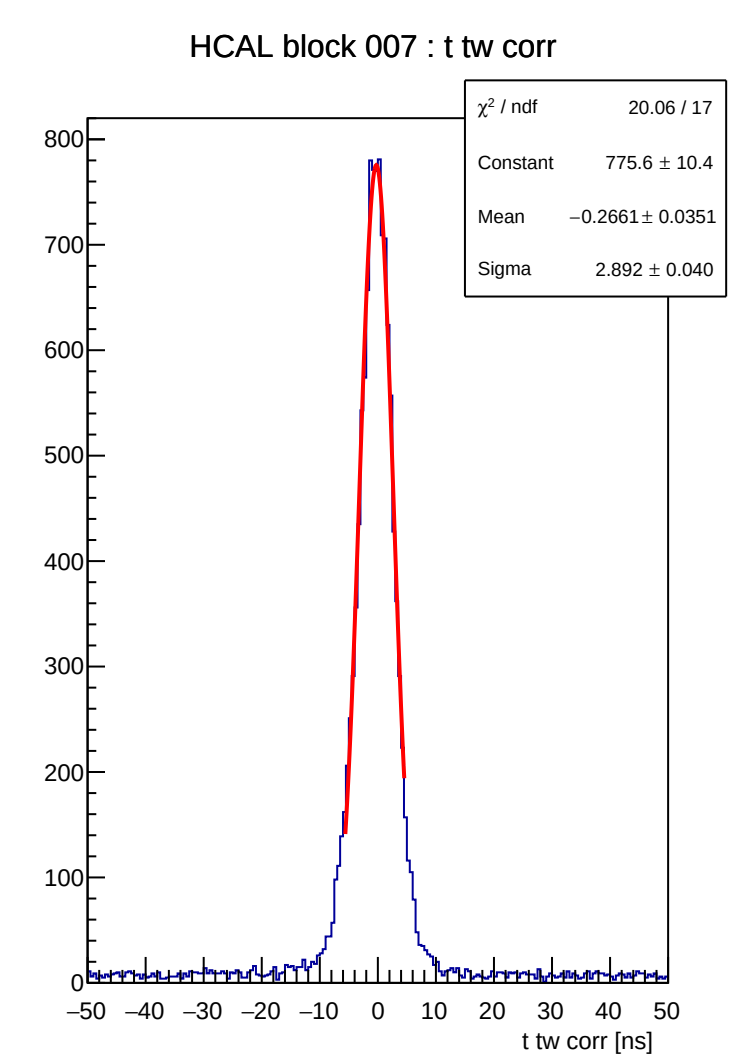

HCAL block 005 : t
χ² / ndf 235.8 / 31
Constant 442.5 ± 7.1
Mean 4.644 ± 0.041
Sigma 3.271 ± 0.039
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

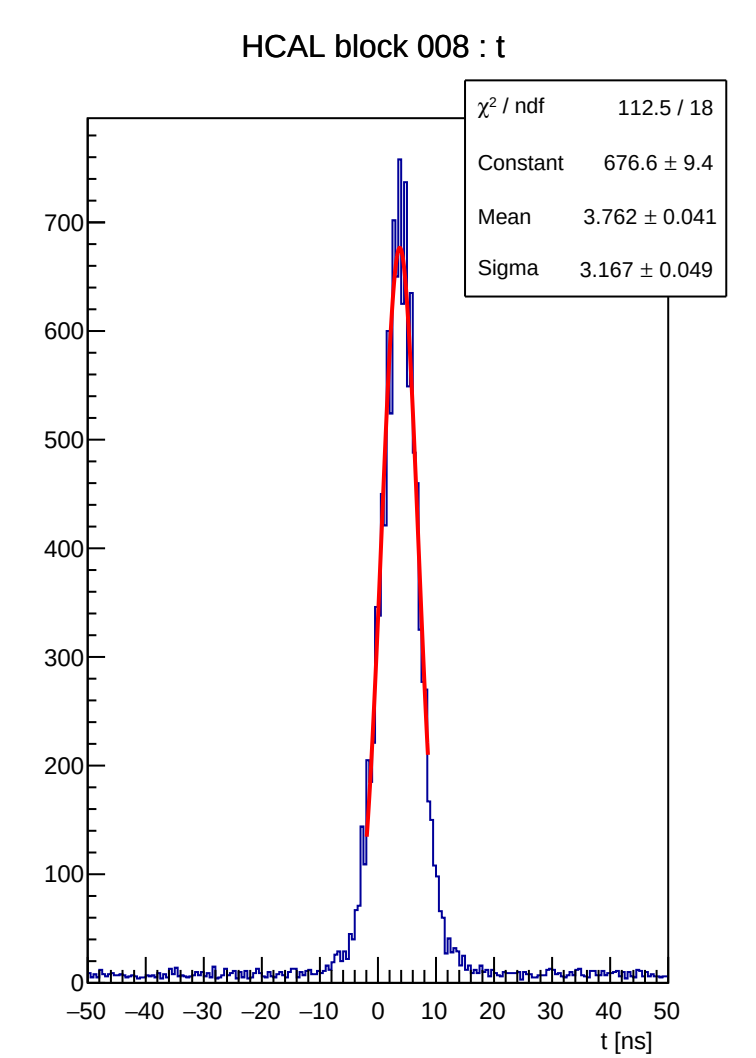

HCAL block 005 : t tw corr
χ² / ndf 118.5 / 31
Constant 477 ± 7.5
Mean 3.793 ± 0.037
Sigma 3.067 ± 0.034
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

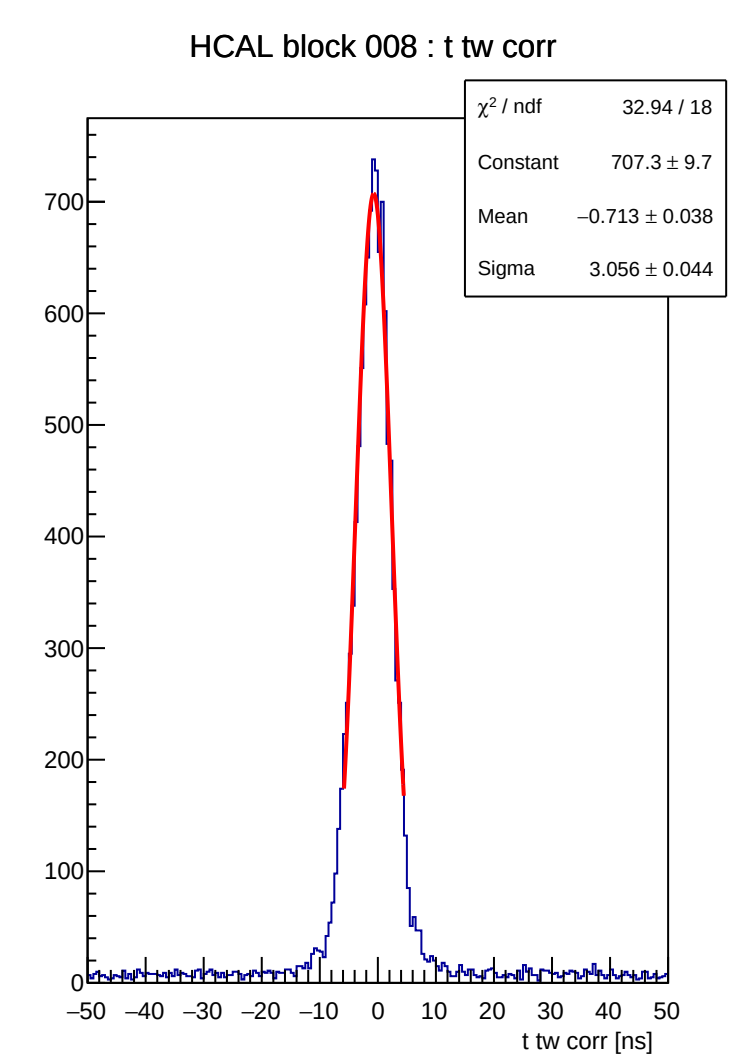

HCAL block 006 : t
χ² / ndf 163.1 / 18
Constant 664.4 ± 9.6
Mean 3.934 ± 0.039
Sigma 2.986 ± 0.045
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

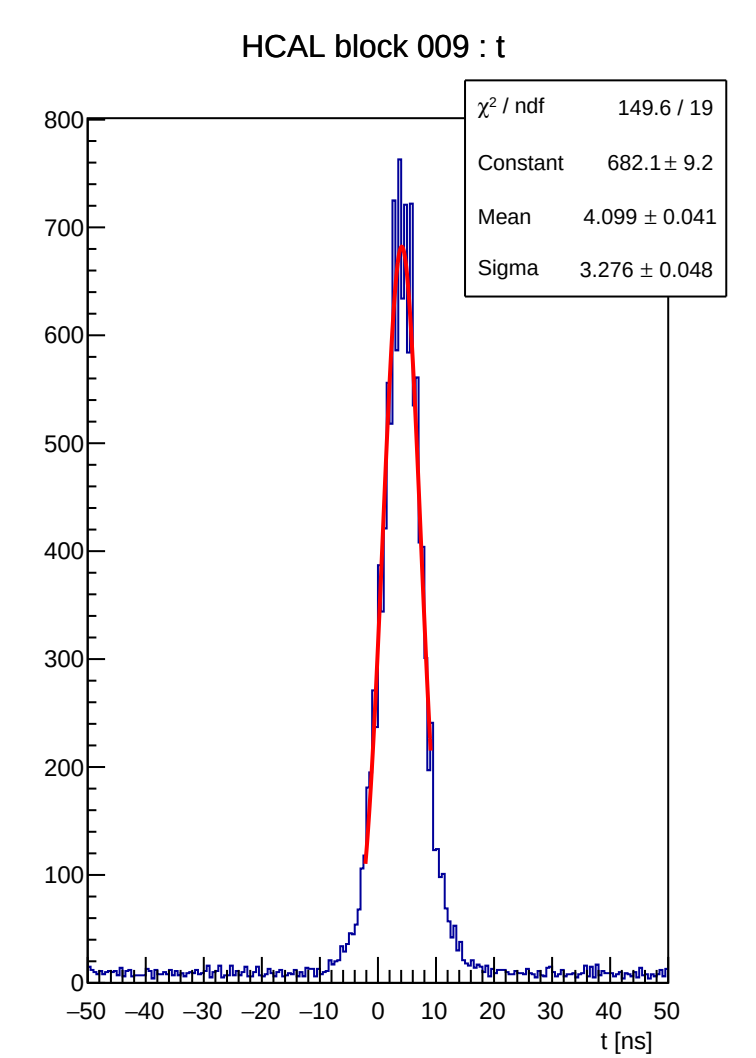

HCAL block 006 : t tw corr
χ² / ndf 22.03 / 18
Constant 708 ± 9.9
Mean −0.2729 ± 0.0341
Sigma 2.802 ± 0.036
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

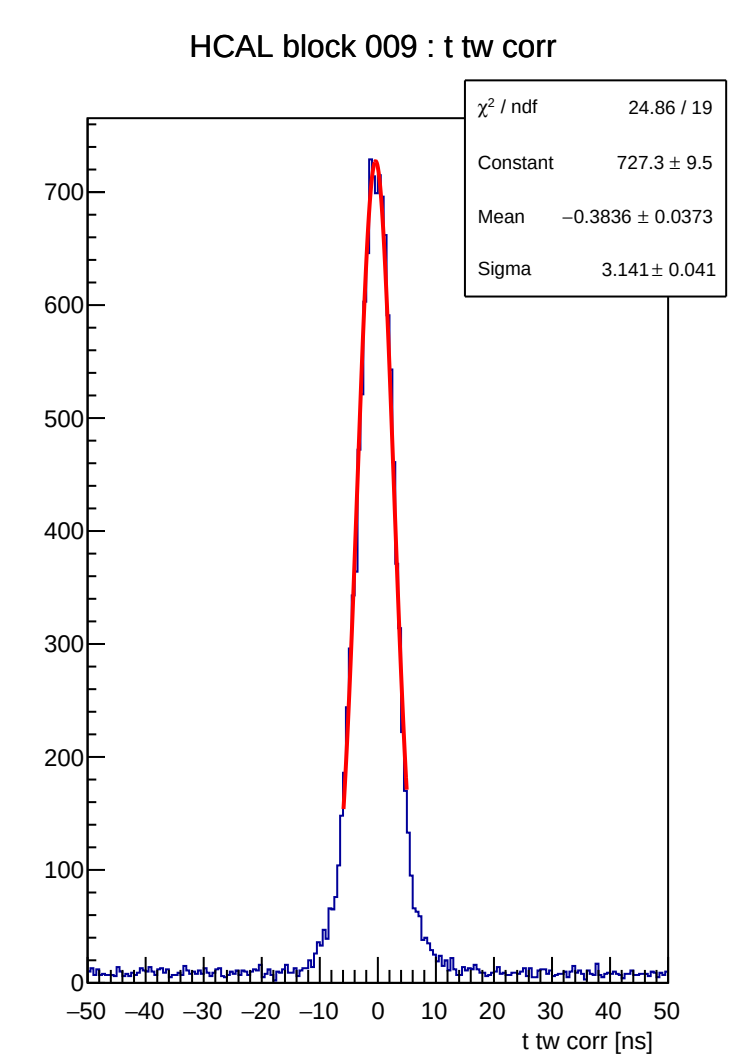

HCAL block 007 : t
χ² / ndf 159.4 / 18
Constant 727.2 ± 9.7
Mean 3.939 ± 0.040
Sigma 3.098 ± 0.044
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

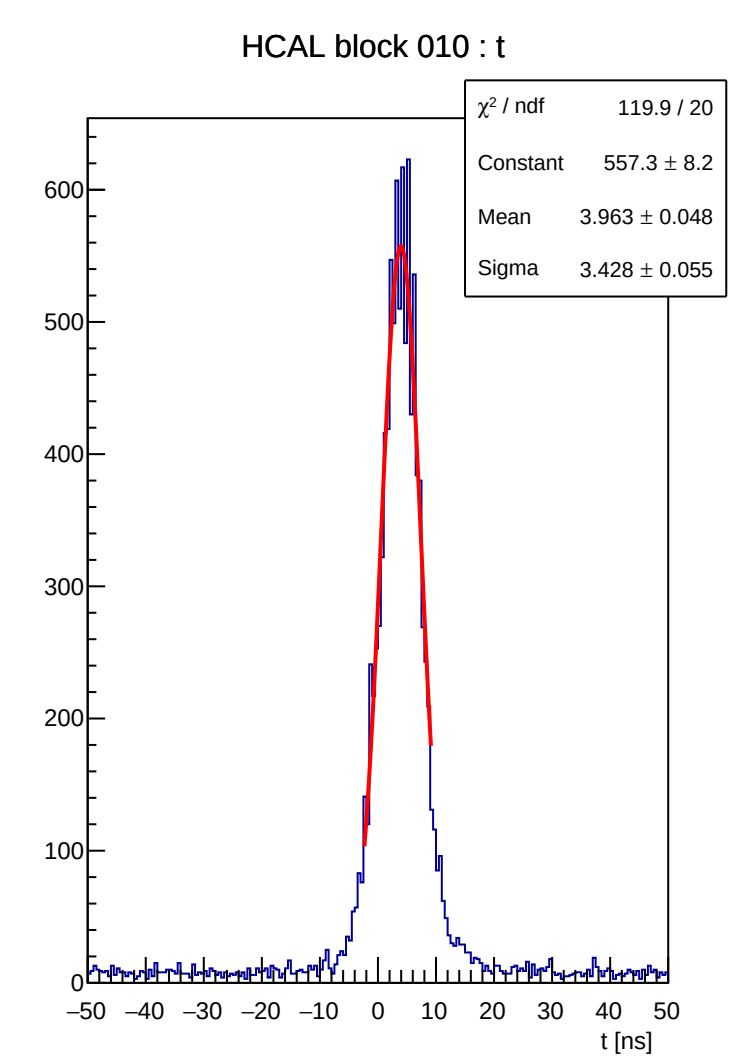

HCAL block 007 : t tw corr
χ² / ndf 20.06 / 17
Constant 775.6 ± 10.4
Mean −0.2661 ± 0.0351
Sigma 2.892 ± 0.040
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

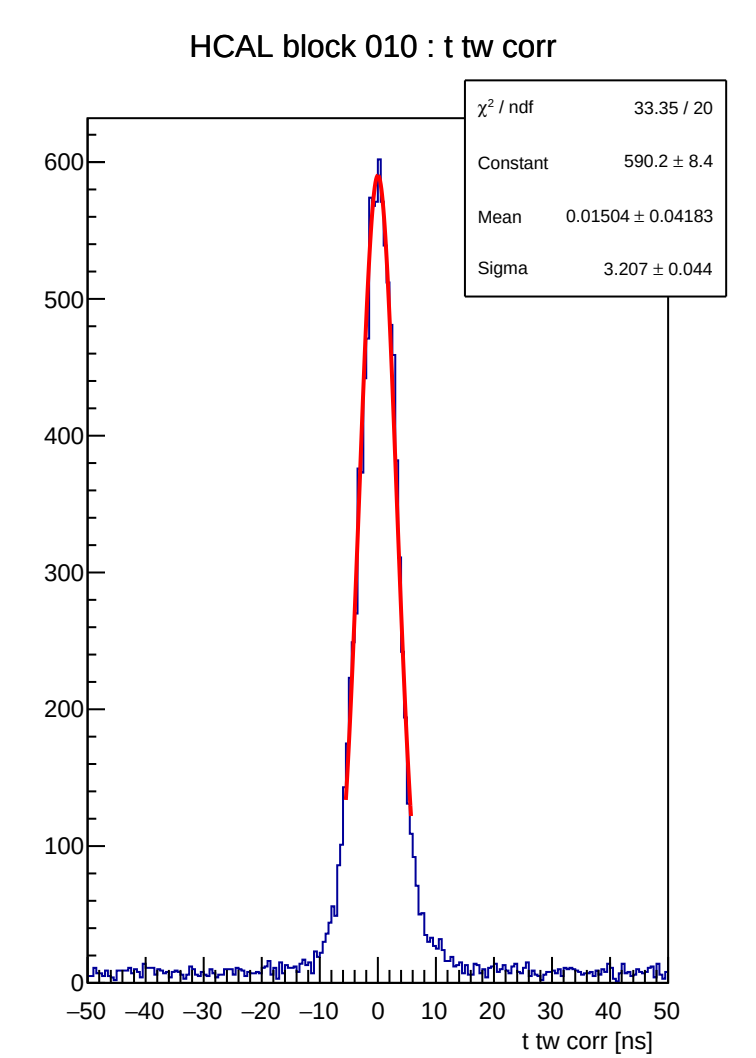

HCAL block 008 : t
χ² / ndf 112.5 / 18
Constant 676.6 ± 9.4
Mean 3.762 ± 0.041
Sigma 3.167 ± 0.049
t [ns]

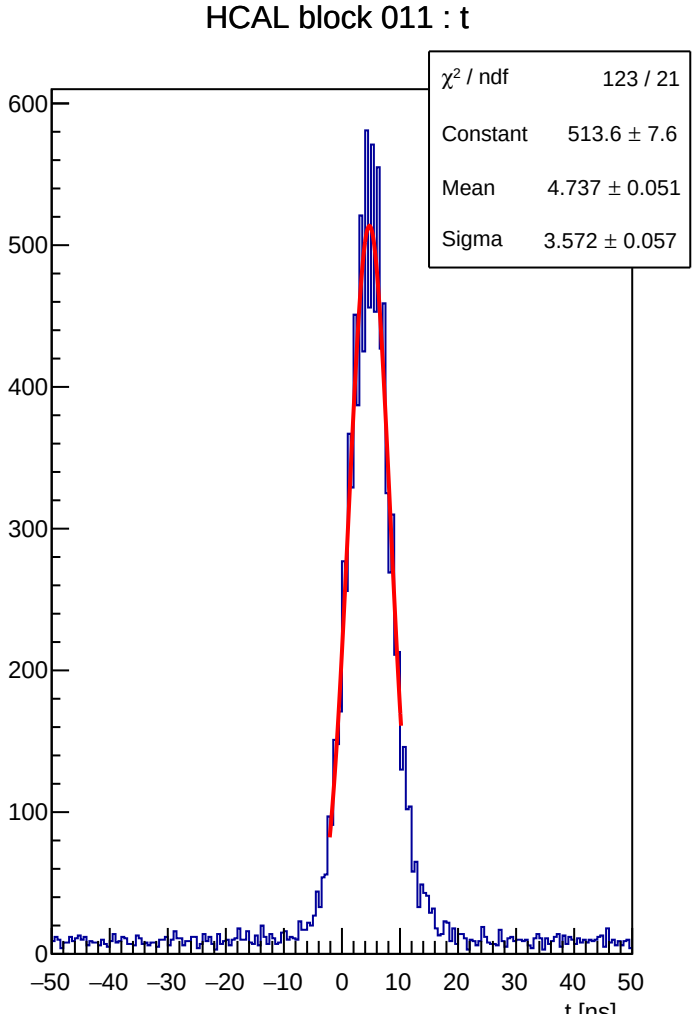

HCAL block 008 : t tw corr
χ² / ndf 32.94 / 18
Constant 707.3 ± 9.7
Mean −0.713 ± 0.038
Sigma 3.056 ± 0.044
t tw corr [ns]

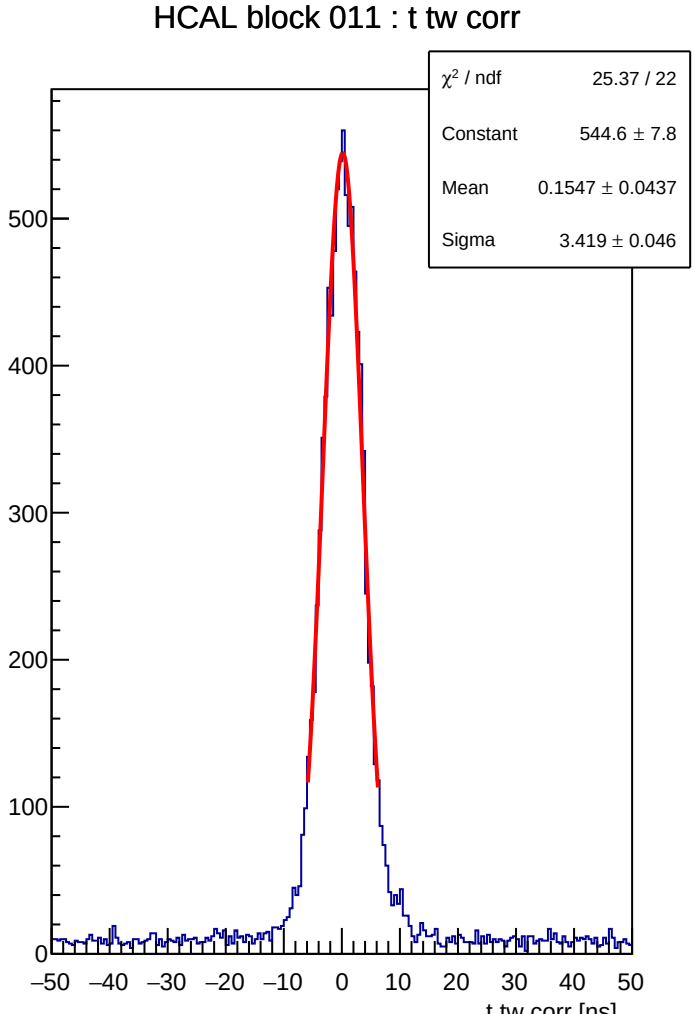

HCAL block 009 : t
χ² / ndf 149.6 / 19
Constant 682.1 ± 9.2
Mean 4.099 ± 0.041
Sigma 3.276 ± 0.048
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

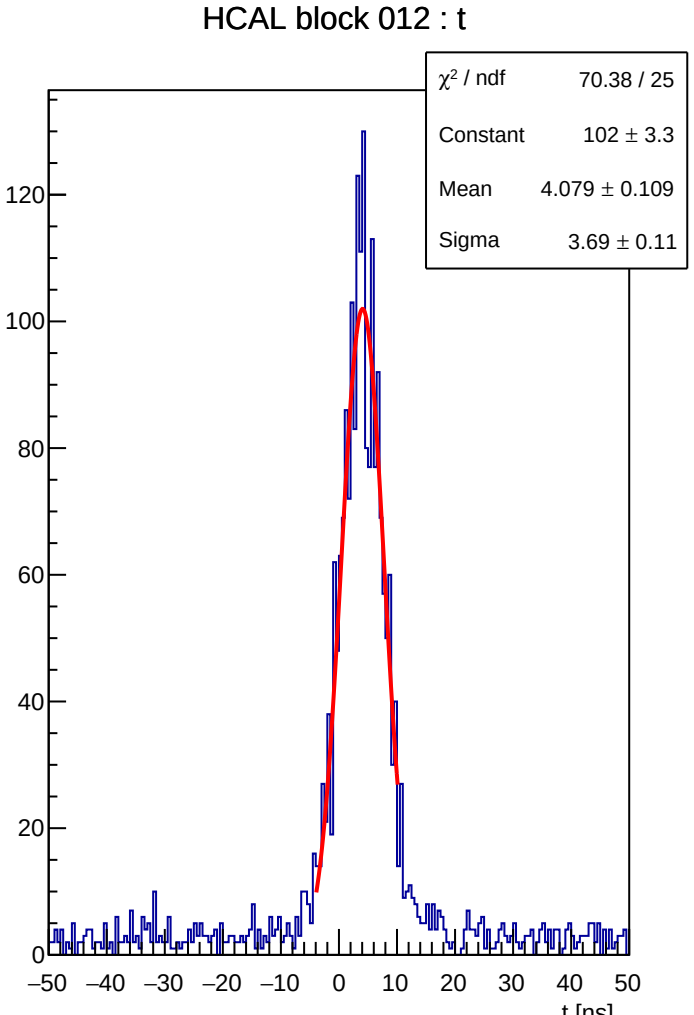

HCAL block 009 : t tw corr
χ² / ndf 24.86 / 19
Constant 727.3 ± 9.5
Mean −0.3836 ± 0.0373
Sigma 3.141 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

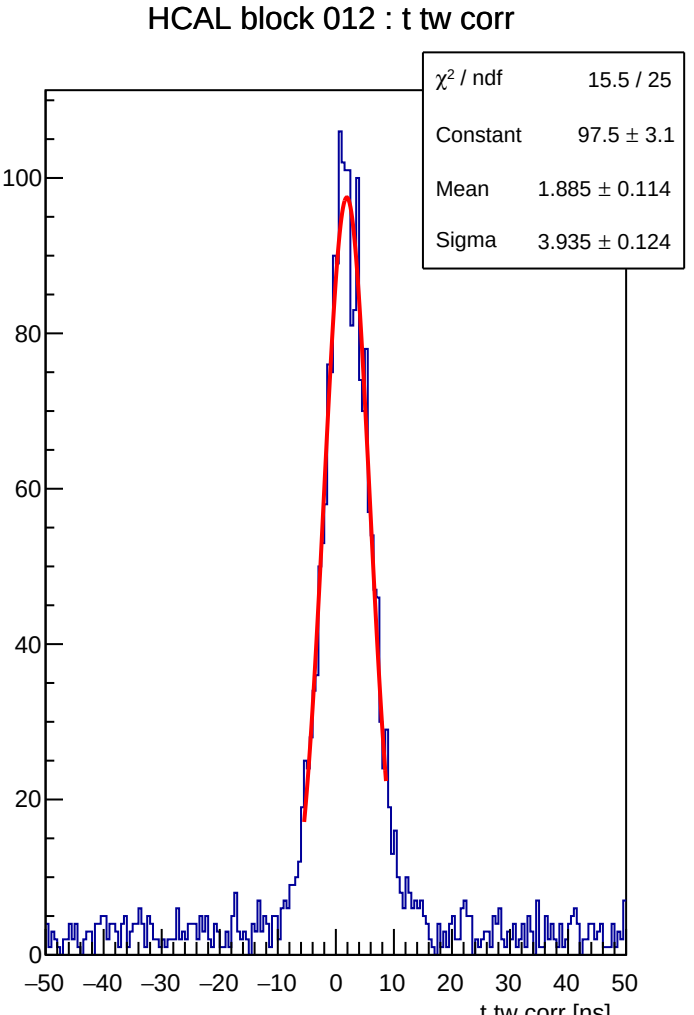

HCAL block 010 : t
χ² / ndf 119.9 / 20
Constant 557.3 ± 8.2
Mean 3.963 ± 0.048
Sigma 3.428 ± 0.055
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

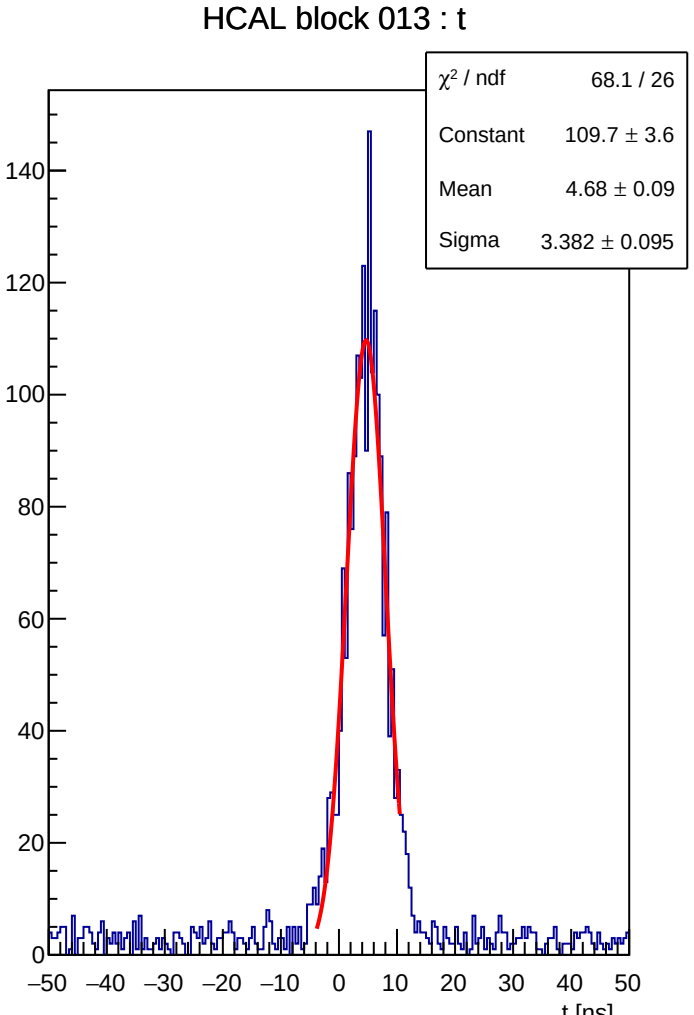

HCAL block 010 : t tw corr
χ² / ndf 33.35 / 20
Constant 590.2 ± 8.4
Mean 0.01504 ± 0.04183
Sigma 3.207 ± 0.044
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

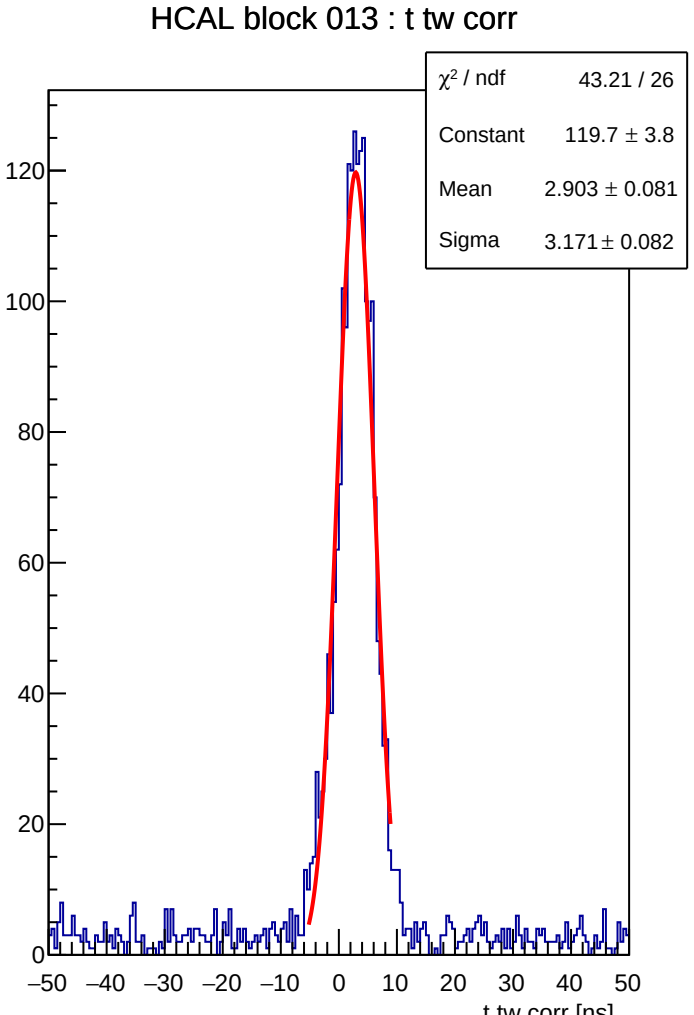

HCAL block 011 : t
χ² / ndf 123 / 21
Constant 513.6 ± 7.6
Mean 4.737 ± 0.051
Sigma 3.572 ± 0.057
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

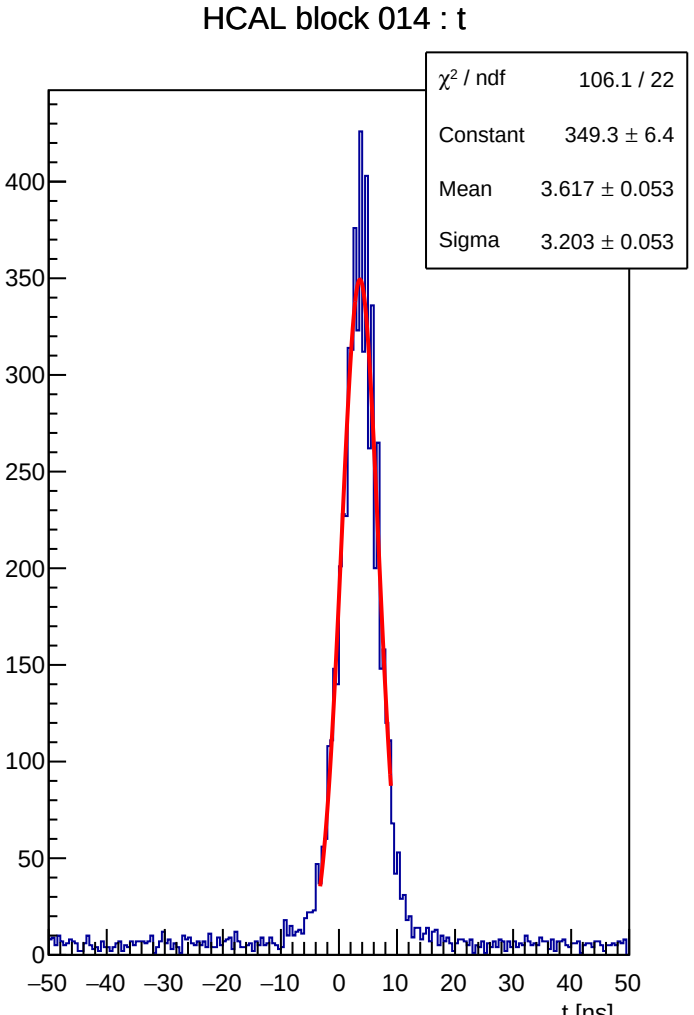

HCAL block 011 : t tw corr
χ² / ndf 25.37 / 22
Constant 544.6 ± 7.8
Mean 0.1547 ± 0.0437
Sigma 3.419 ± 0.046
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

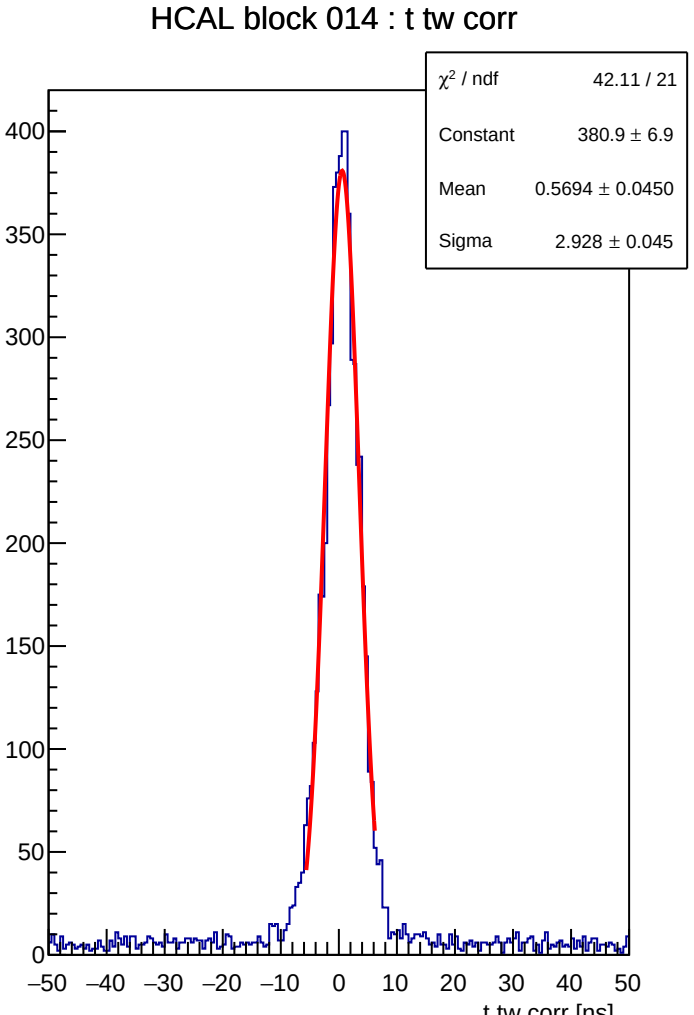

HCAL block 012 : t
χ² / ndf 70.38 / 25
Constant 102 ± 3.3
Mean 4.079 ± 0.109
Sigma 3.69 ± 0.11
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

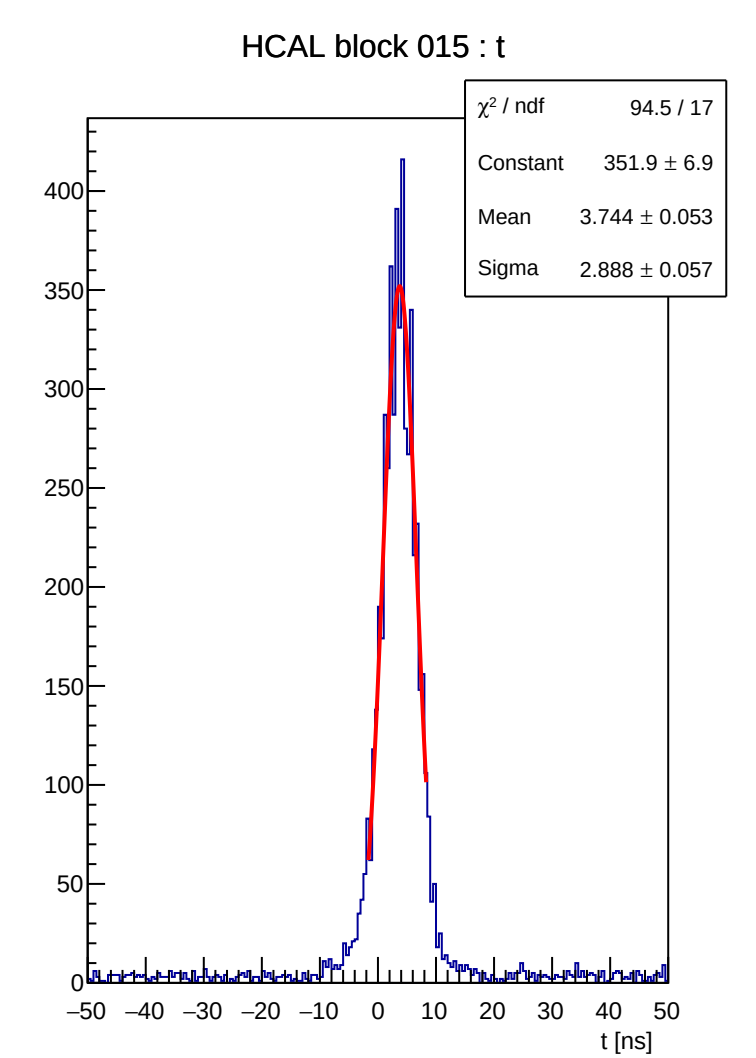

HCAL block 012 : t tw corr
χ² / ndf 15.5 / 25
Constant 97.5 ± 3.1
Mean 1.885 ± 0.114
Sigma 3.935 ± 0.124
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

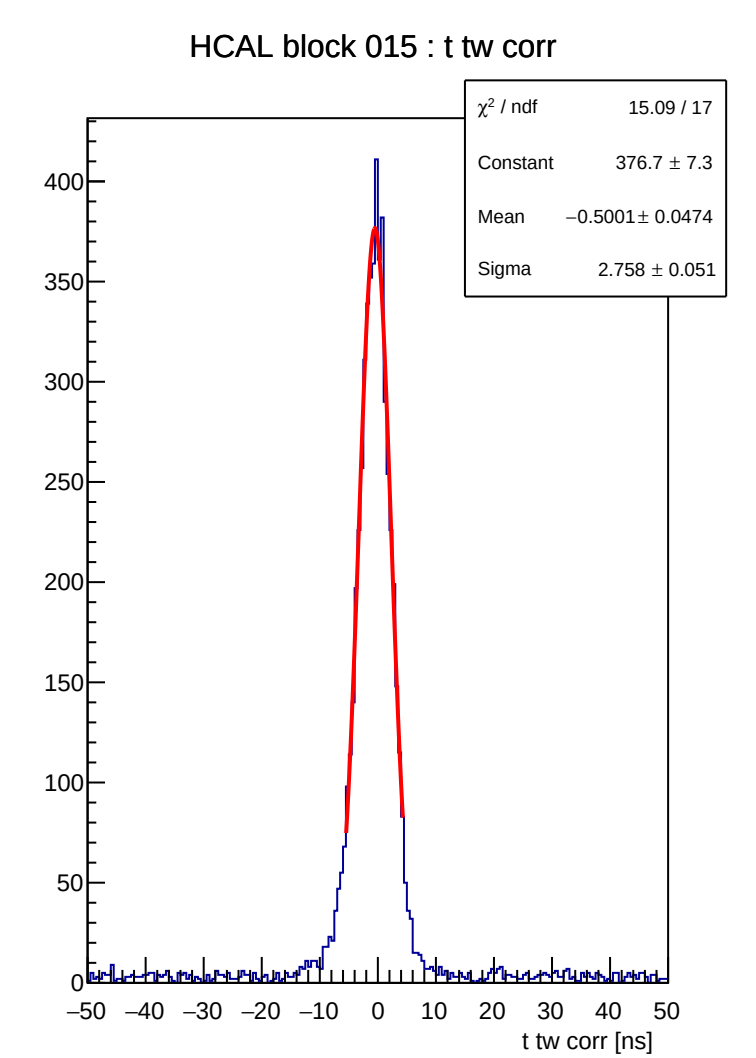

HCAL block 013 : t
χ² / ndf 68.1 / 26
Constant 109.7 ± 3.6
Mean 4.68 ± 0.09
Sigma 3.382 ± 0.095
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

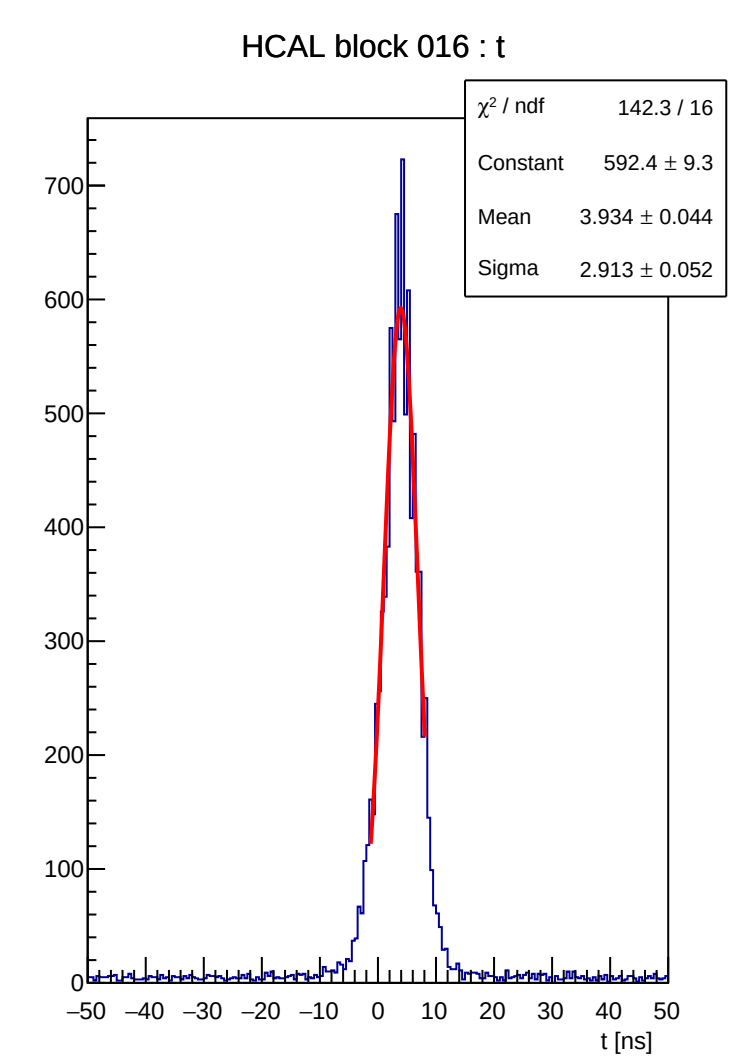

HCAL block 013 : t tw corr
χ² / ndf 43.21 / 26
Constant 119.7 ± 3.8
Mean 2.903 ± 0.081
Sigma 3.171 ± 0.082
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

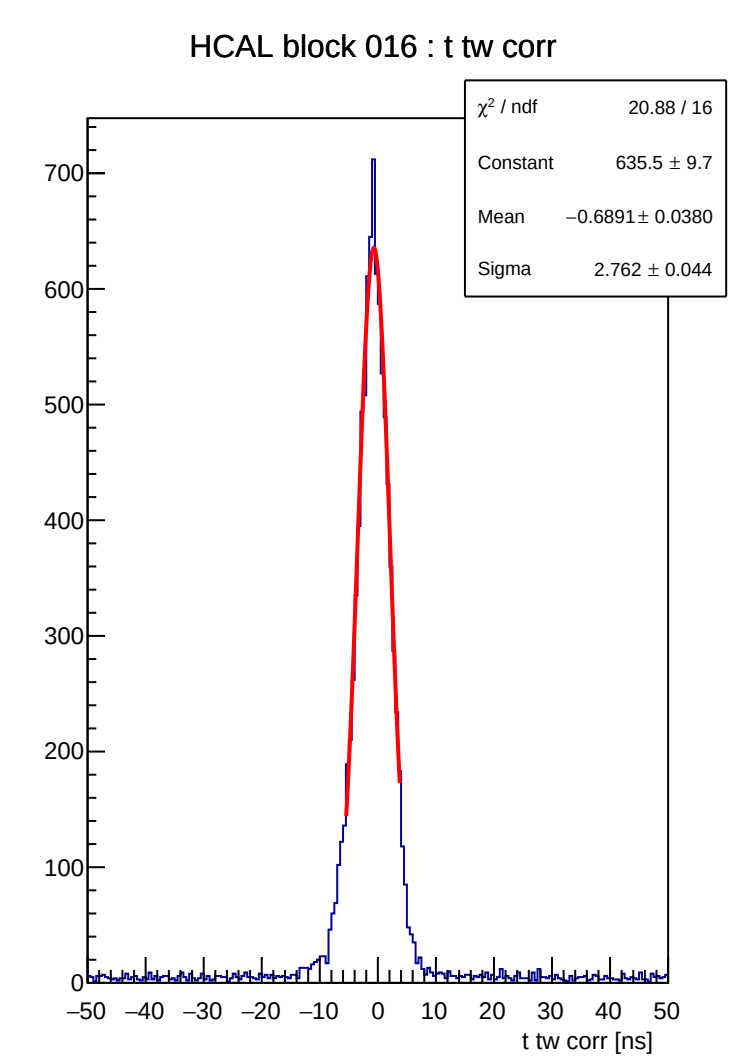

HCAL block 014 : t
χ² / ndf 106.1 / 22
Constant 349.3 ± 6.4
Mean 3.617 ± 0.053
Sigma 3.203 ± 0.053
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

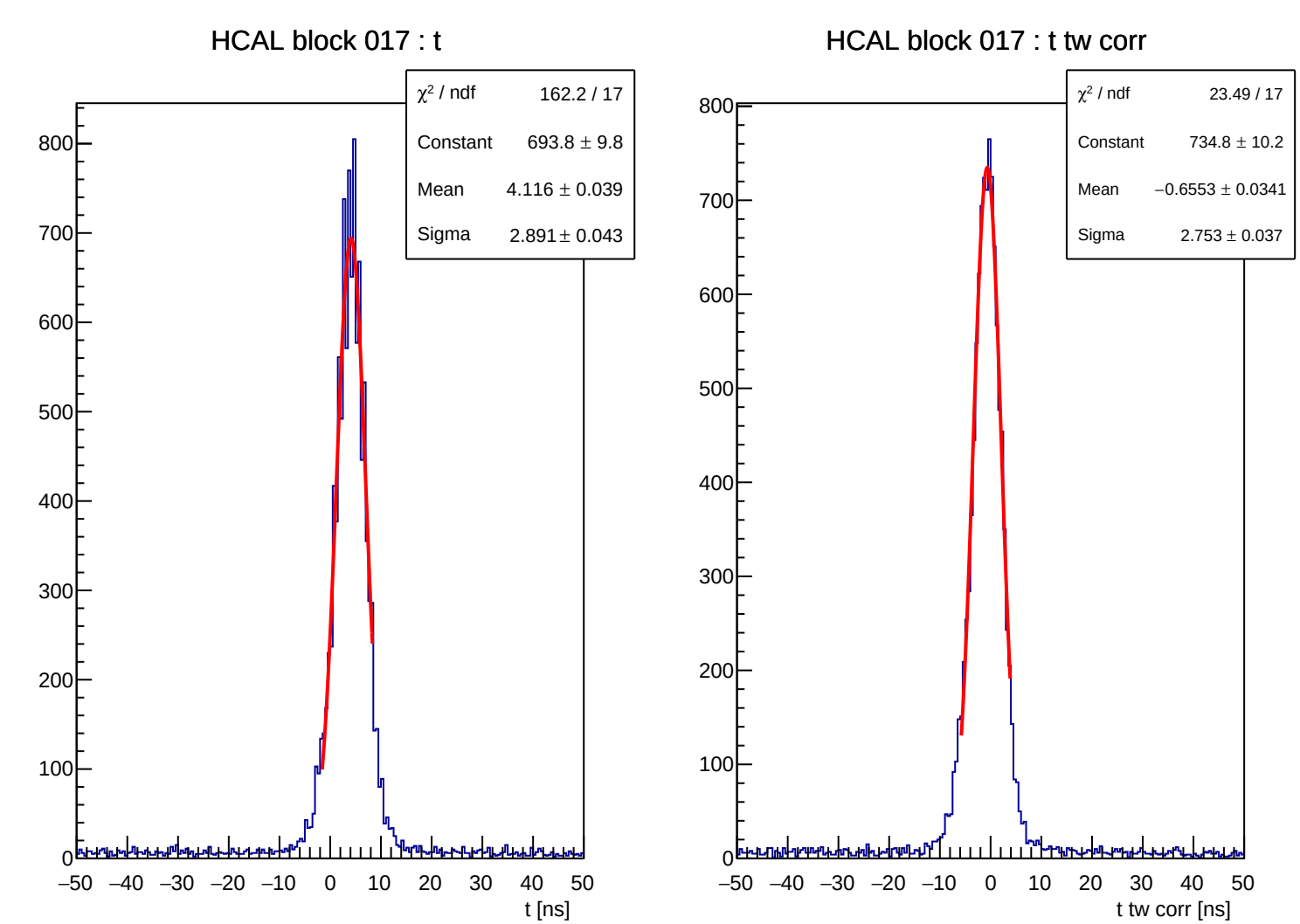

HCAL block 014 : t tw corr
χ² / ndf 42.11 / 21
Constant 380.9 ± 6.9
Mean 0.5694 ± 0.0450
Sigma 2.928 ± 0.045
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

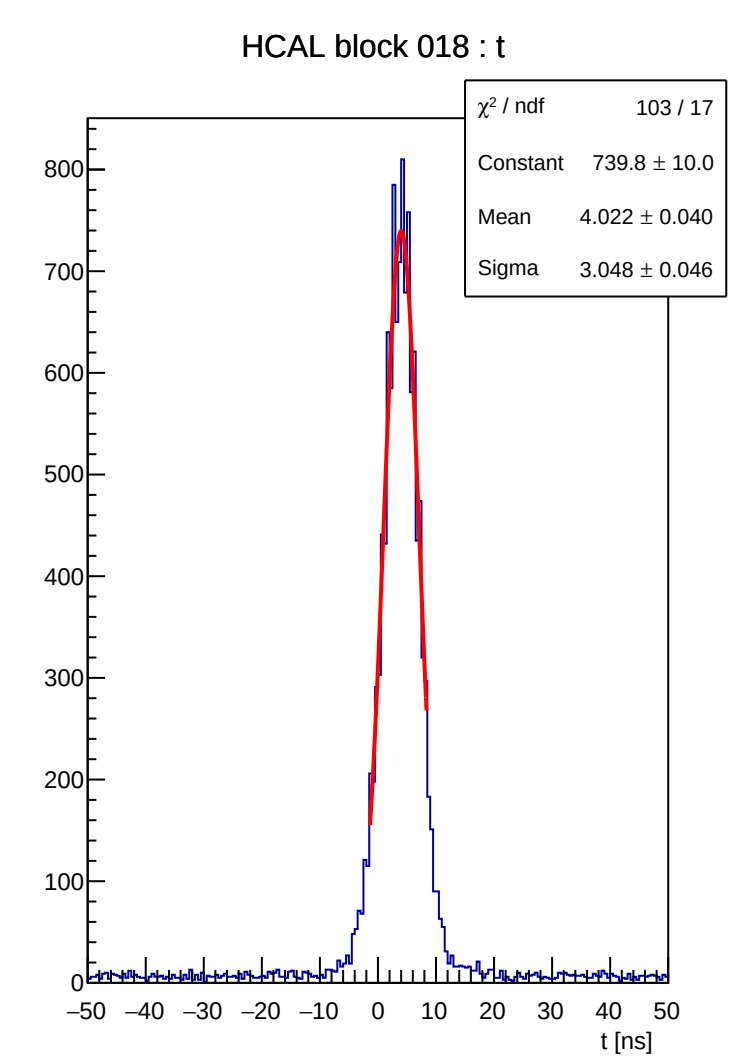

HCAL block 015 : t
χ² / ndf 94.5 / 17
Constant 351.9 ± 6.9
Mean 3.744 ± 0.053
Sigma 2.888 ± 0.057
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

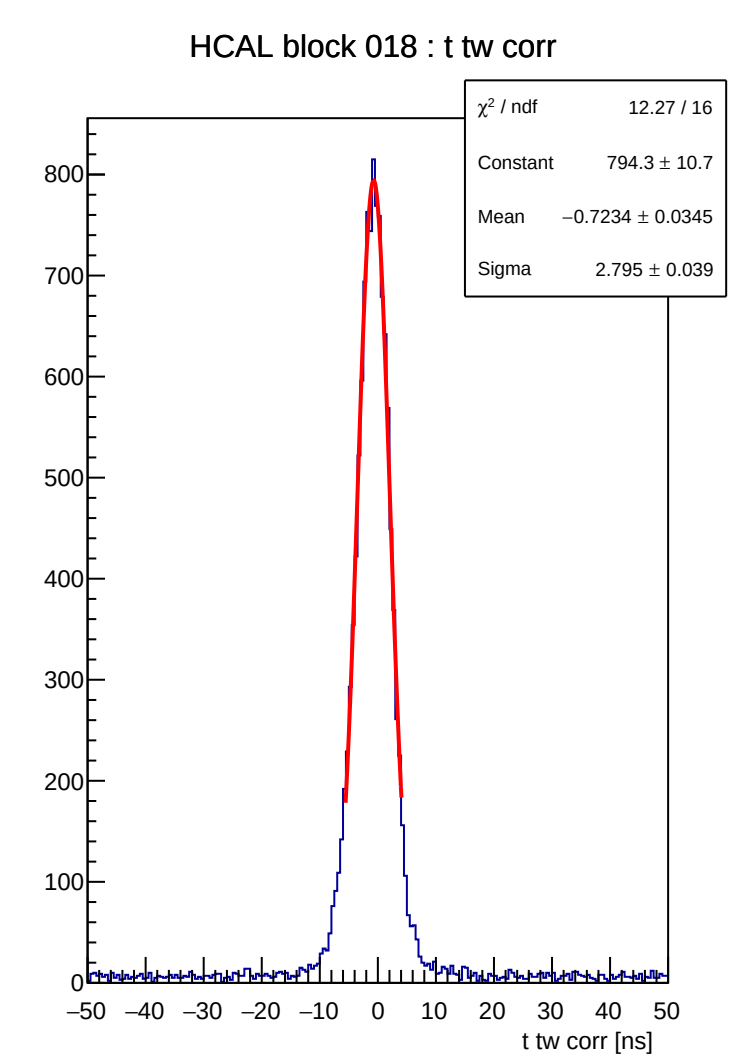

HCAL block 015 : t tw corr
χ² / ndf 15.09 / 17
Constant 376.7 ± 7.3
Mean −0.5001 ± 0.0474
Sigma 2.758 ± 0.051
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

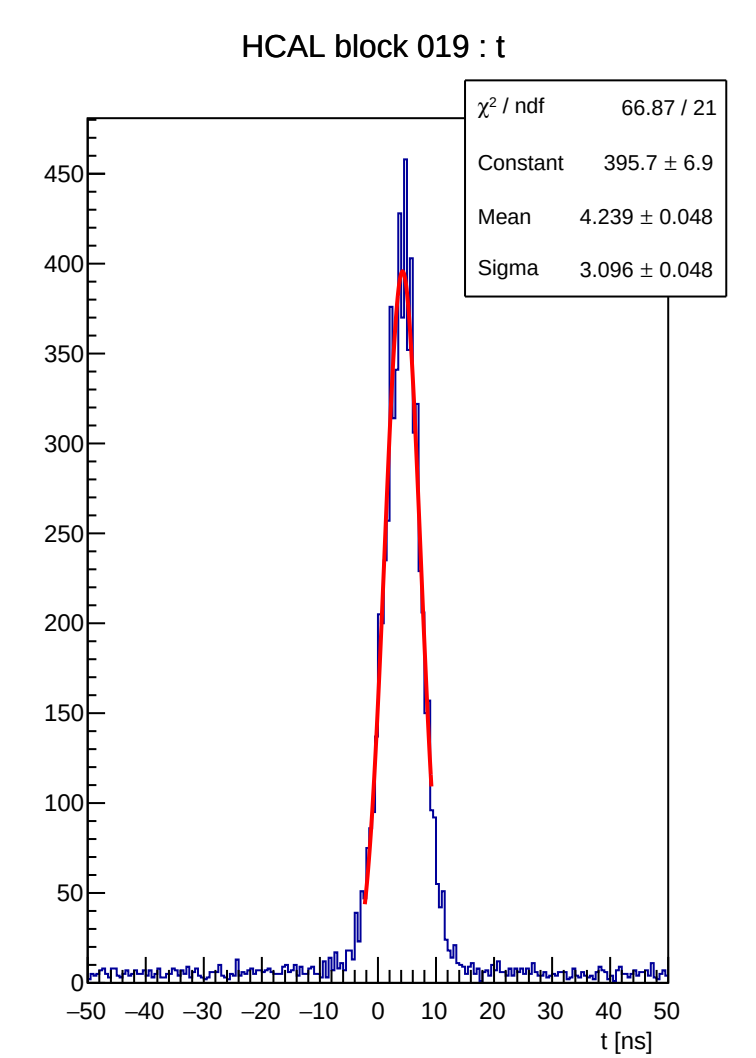

HCAL block 016 : t
χ² / ndf 142.3 / 16
Constant 592.4 ± 9.3
Mean 3.934 ± 0.044
Sigma 2.913 ± 0.052
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

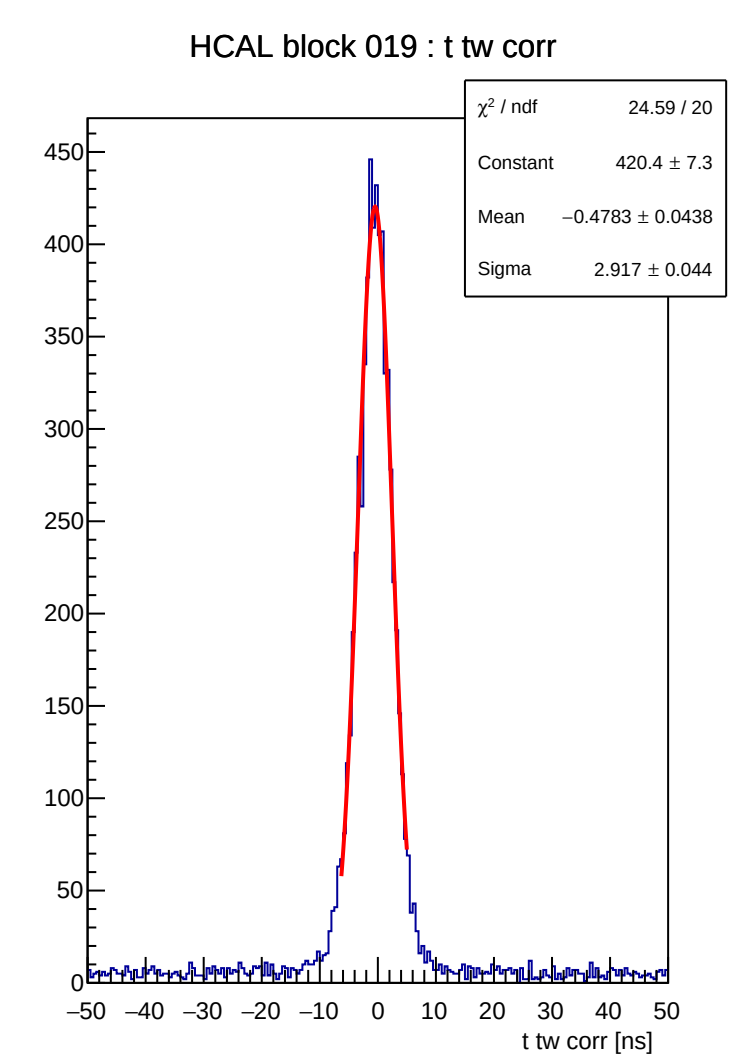

HCAL block 016 : t tw corr
χ² / ndf 20.88 / 16
Constant 635.5 ± 9.7
Mean −0.6891± 0.0380
Sigma 2.762 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

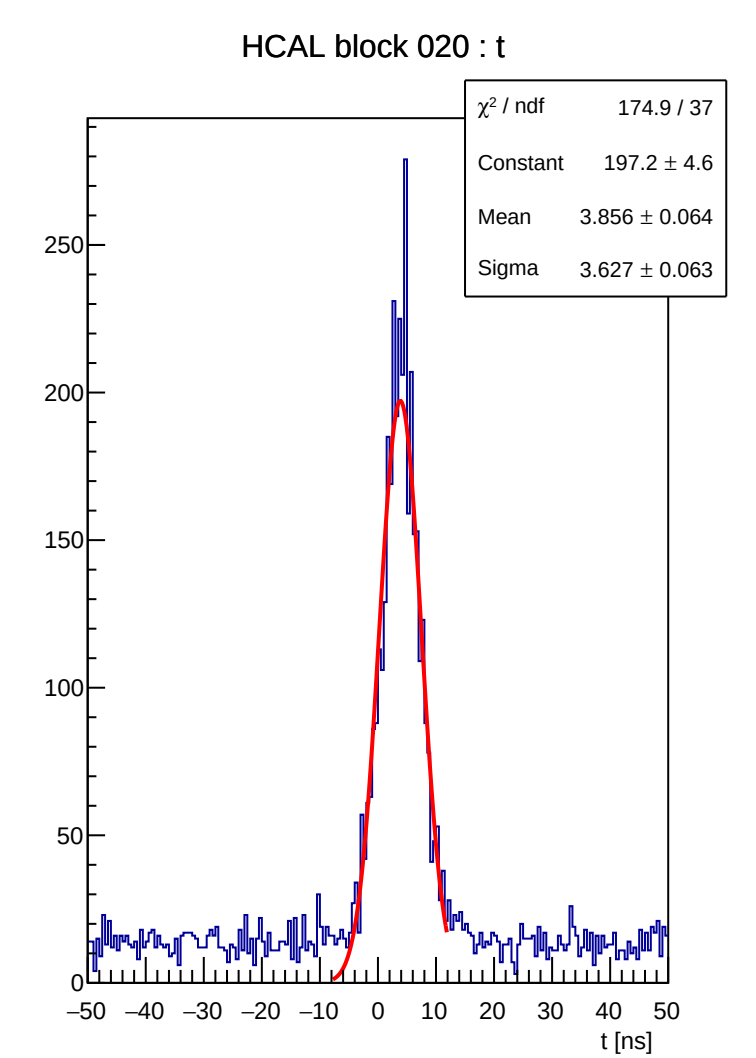

HCAL block 017 : t
χ² / ndf 162.2 / 17
Constant 693.8 ± 9.8
Mean 4.116 ± 0.039
Sigma 2.891 ± 0.043
t [ns]
HCAL block 017 : t tw corr
χ² / ndf 23.49 / 17
Constant 734.8 ± 10.2
Mean −0.6553 ± 0.0341
Sigma 2.753 ± 0.037
t tw corr [ns]

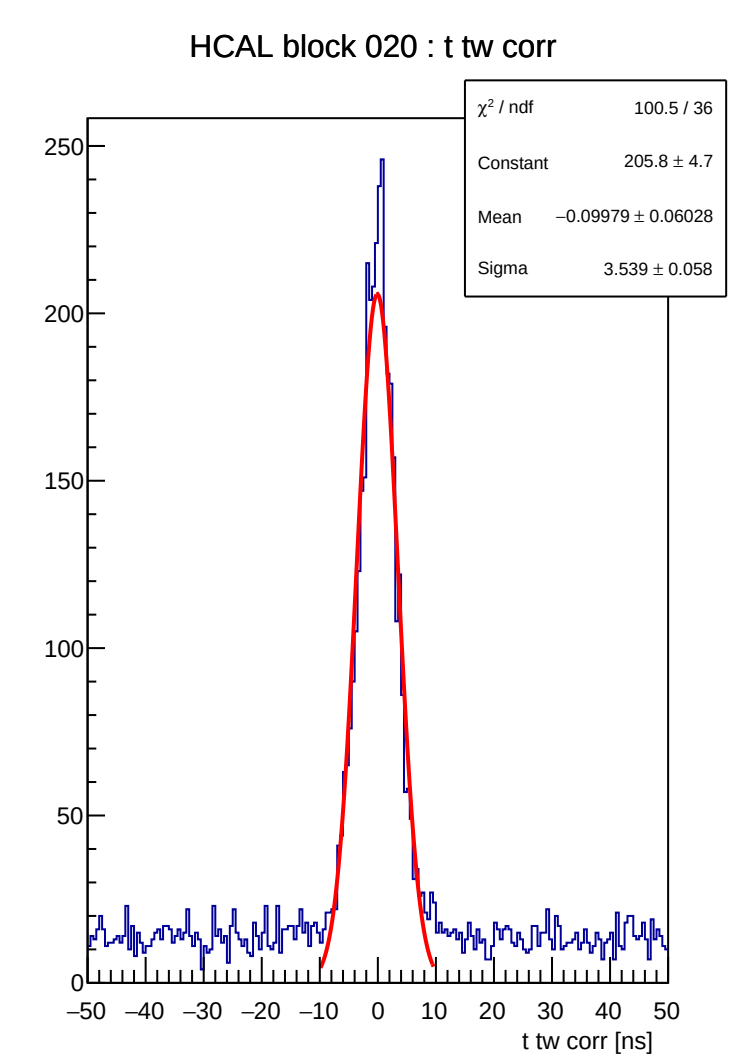

HCAL block 018 : t
χ² / ndf 103 / 17
Constant 739.8 ± 10.0
Mean 4.022 ± 0.040
Sigma 3.048 ± 0.046
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

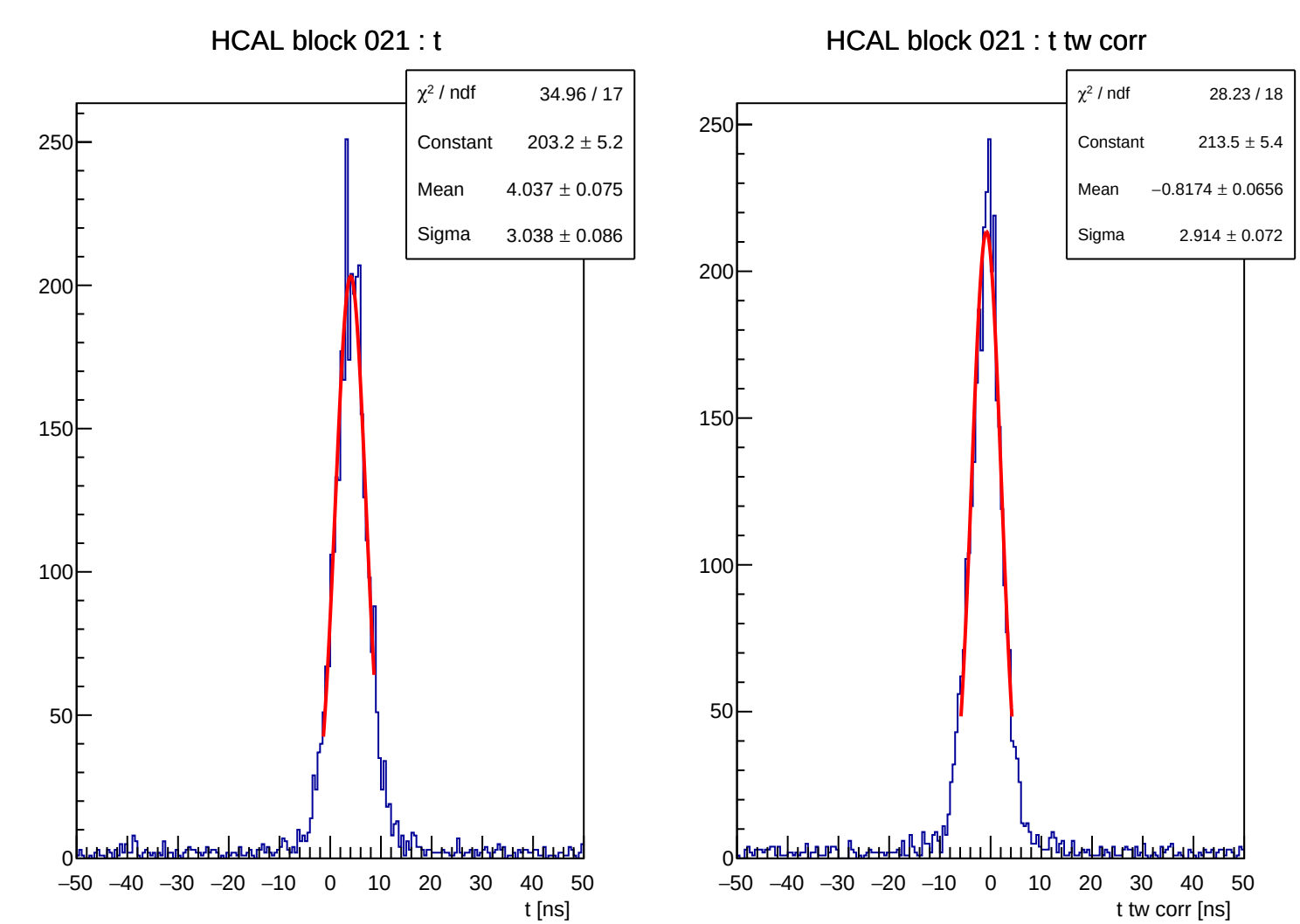

HCAL block 018 : t tw corr
χ² / ndf 12.27 / 16
Constant 794.3 ± 10.7
Mean −0.7234 ± 0.0345
Sigma 2.795 ± 0.039
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

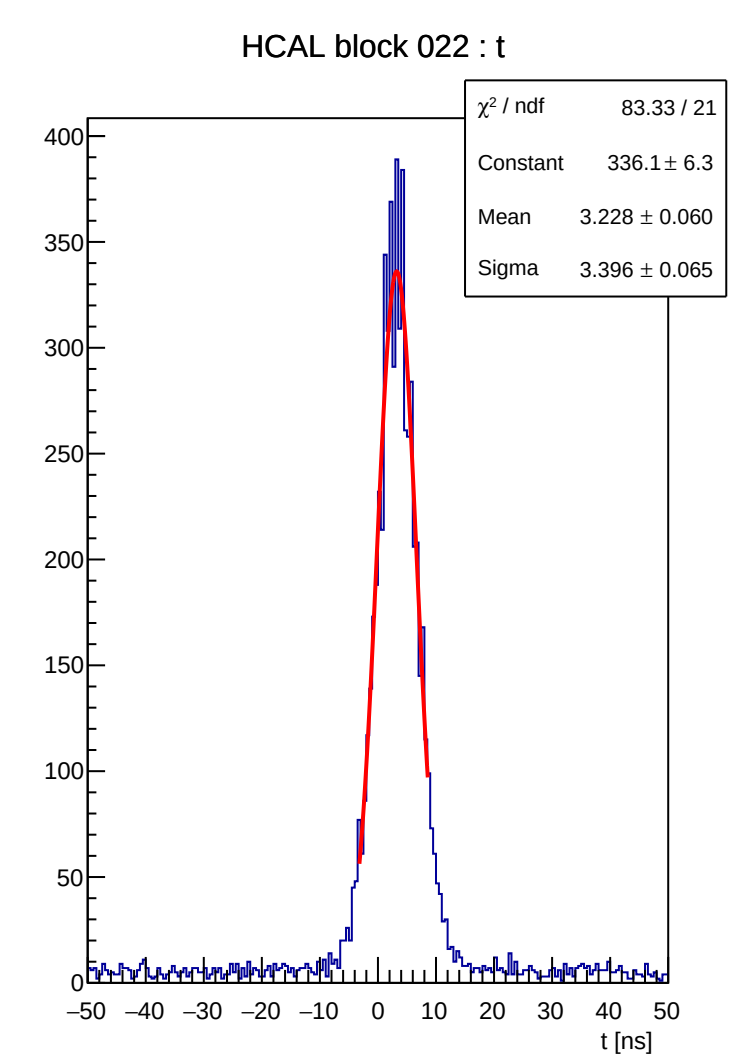

HCAL block 019 : t
χ² / ndf 66.87 / 21
Constant 395.7 ± 6.9
Mean 4.239 ± 0.048
Sigma 3.096 ± 0.048
t [ns]

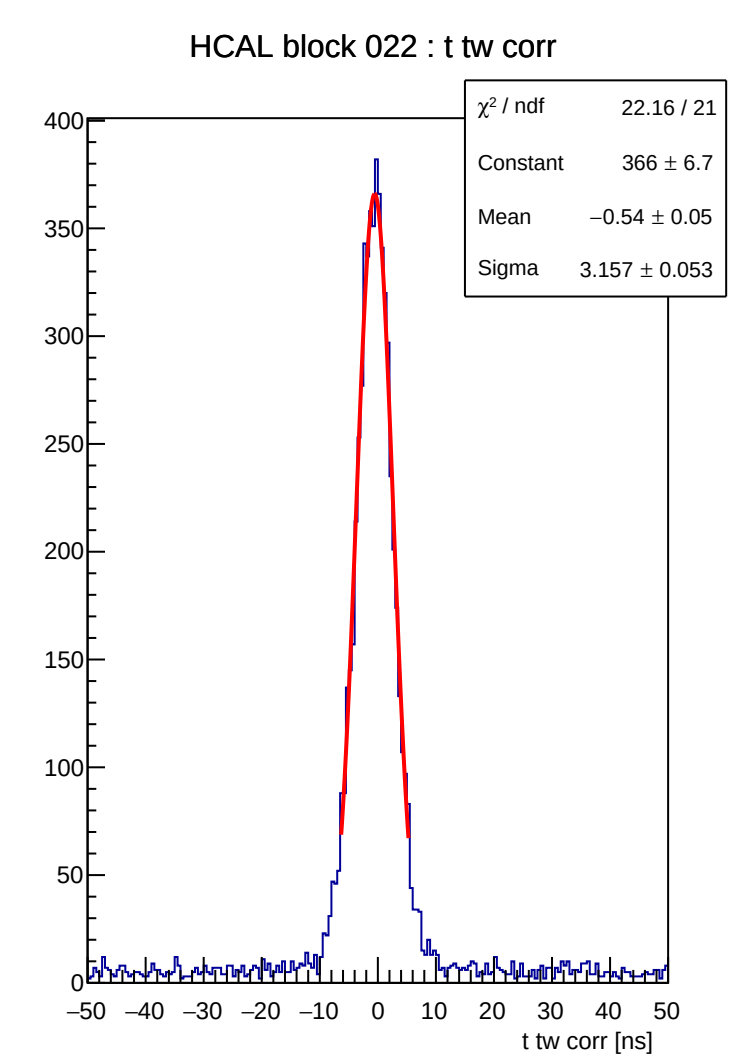

HCAL block 019 : t tw corr
χ² / ndf 24.59 / 20
Constant 420.4 ± 7.3
Mean −0.4783 ± 0.0438
Sigma 2.917 ± 0.044
t tw corr [ns]

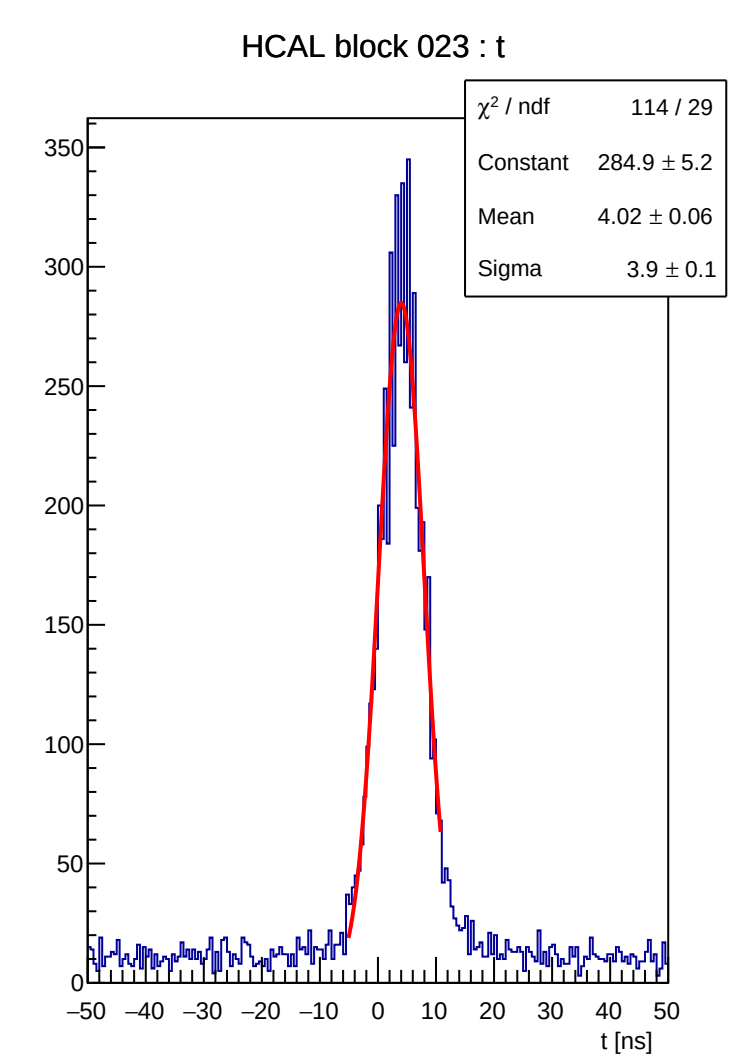

HCAL block 020 : t
χ² / ndf 174.9 / 37
Constant 197.2 ± 4.6
Mean 3.856 ± 0.064
Sigma 3.627 ± 0.063
250
200
150
100
50
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t [ns]

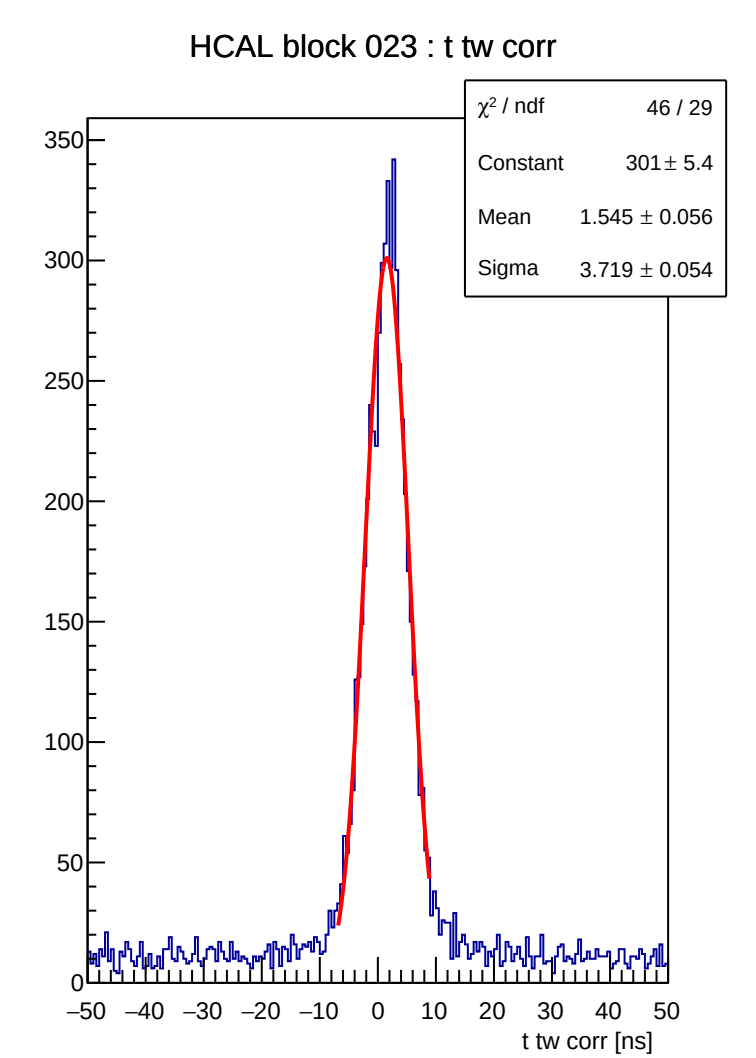

HCAL block 020 : t tw corr
χ² / ndf 100.5 / 36
Constant 205.8 ± 4.7
Mean −0.09979 ± 0.06028
Sigma 3.539 ± 0.058
250
200
150
100
50
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t tw corr [ns]

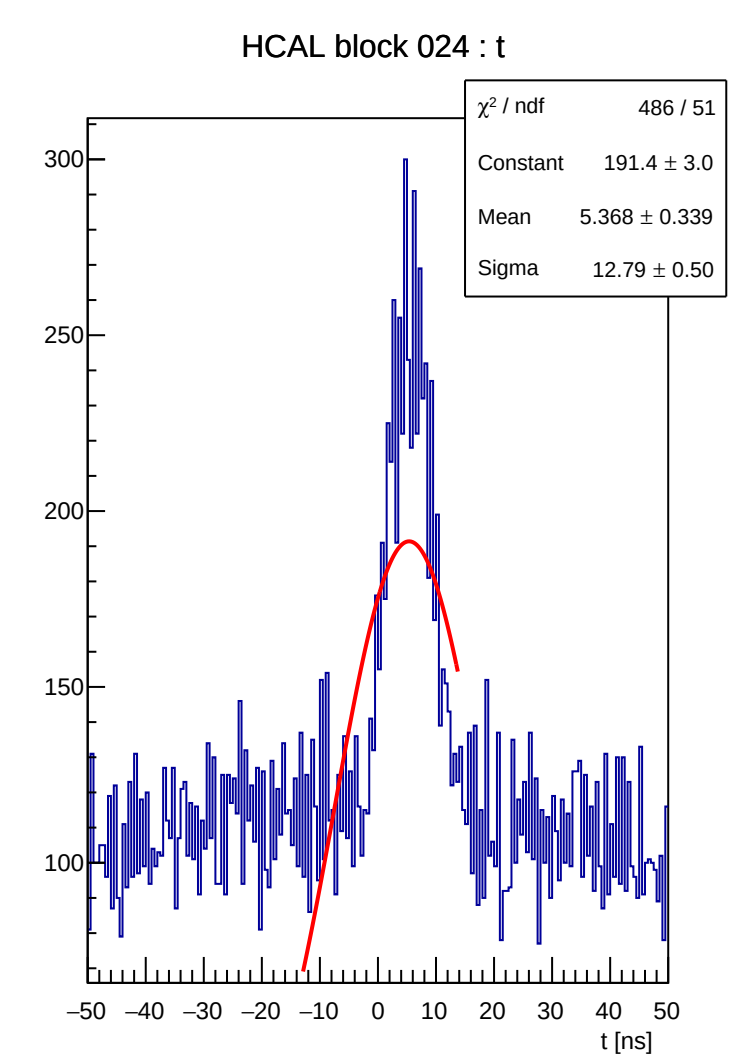

HCAL block 021 : t
χ² / ndf 34.96 / 17
Constant 203.2 ± 5.2
Mean 4.037 ± 0.075
Sigma 3.038 ± 0.086
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 021 : t tw corr
χ² / ndf 28.23 / 18
Constant 213.5 ± 5.4
Mean −0.8174 ± 0.0656
Sigma 2.914 ± 0.072
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

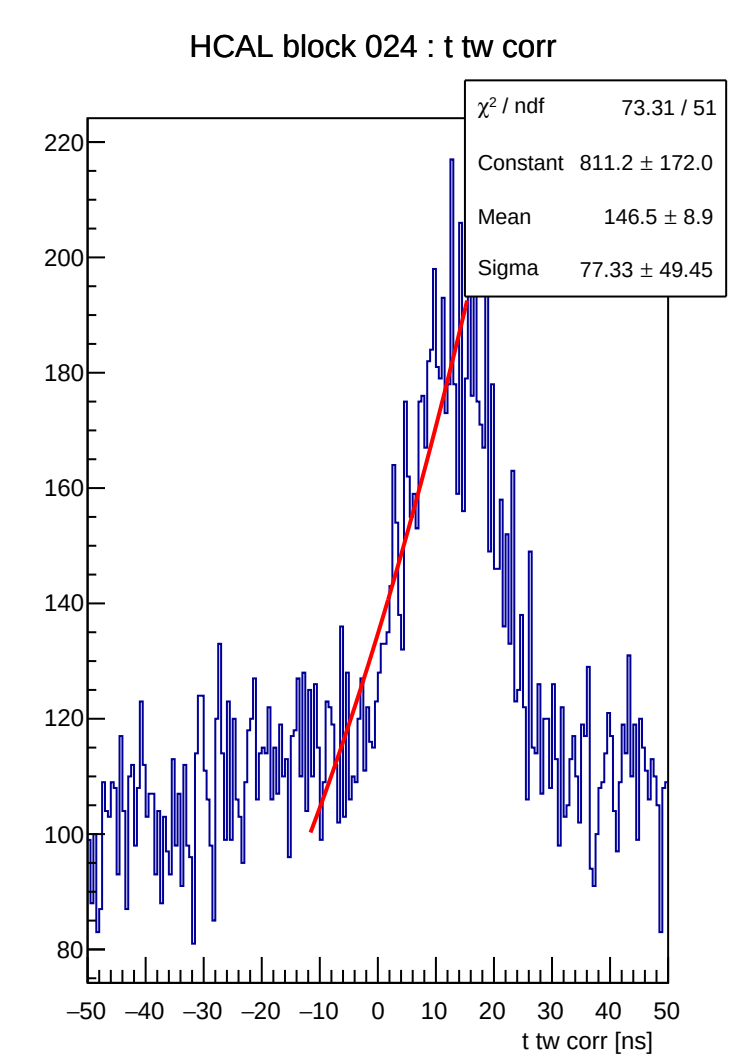

HCAL block 022 : t
χ² / ndf 83.33 / 21
Constant 336.1 ± 6.3
Mean 3.228 ± 0.060
Sigma 3.396 ± 0.065
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

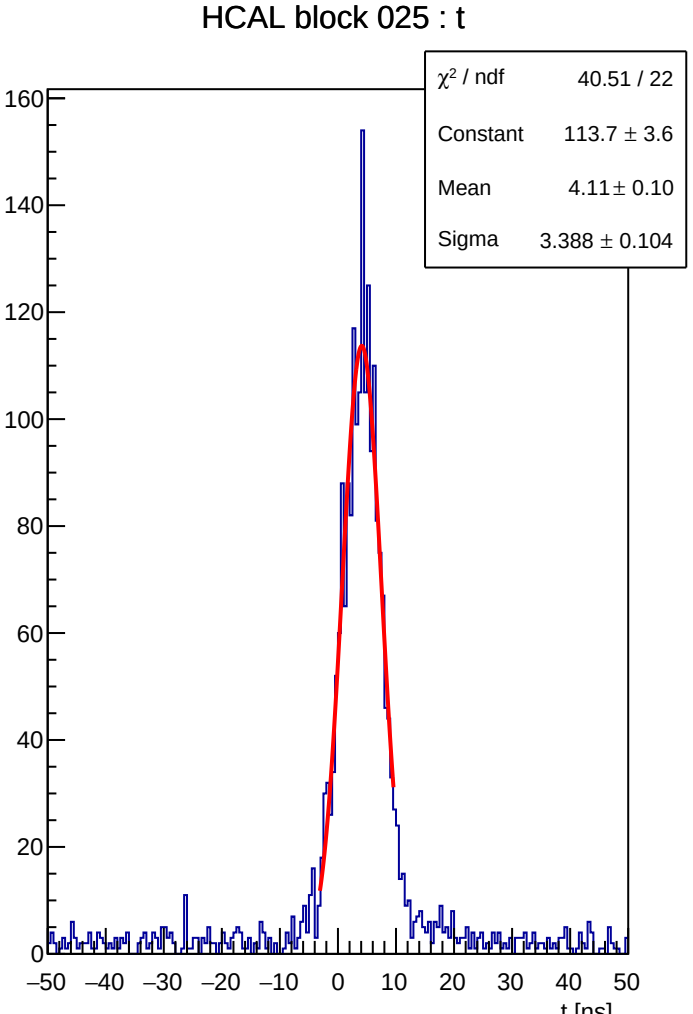

HCAL block 022 : t tw corr
χ² / ndf 22.16 / 21
Constant 366 ± 6.7
Mean –0.54 ± 0.05
Sigma 3.157 ± 0.053
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

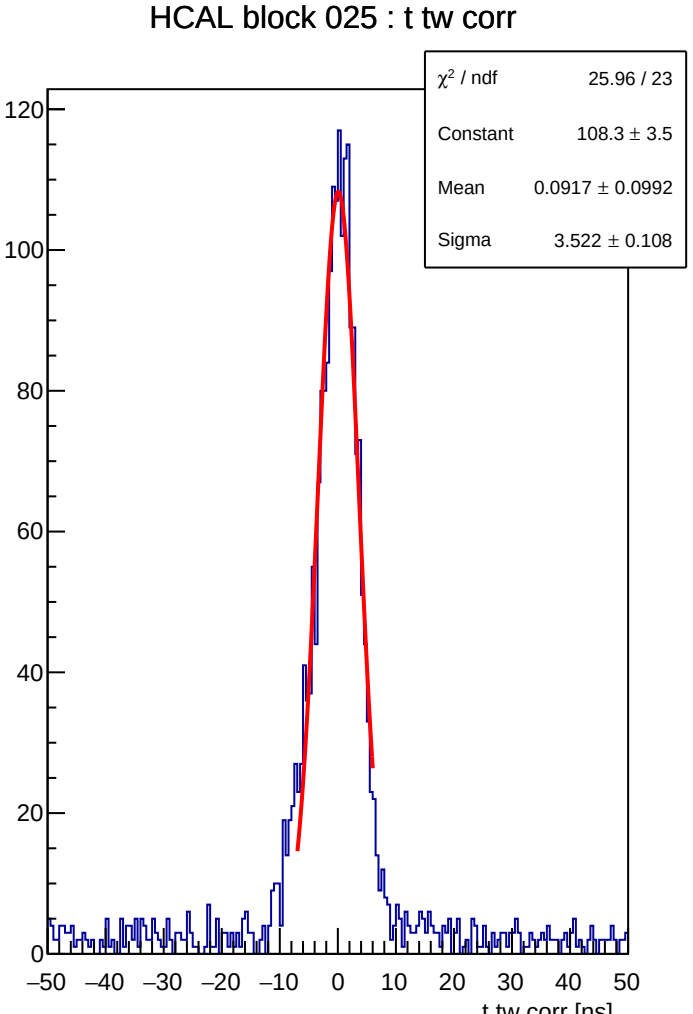

HCAL block 023 : t
χ² / ndf 114 / 29
Constant 284.9 ± 5.2
Mean 4.02 ± 0.06
Sigma 3.9 ± 0.1
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

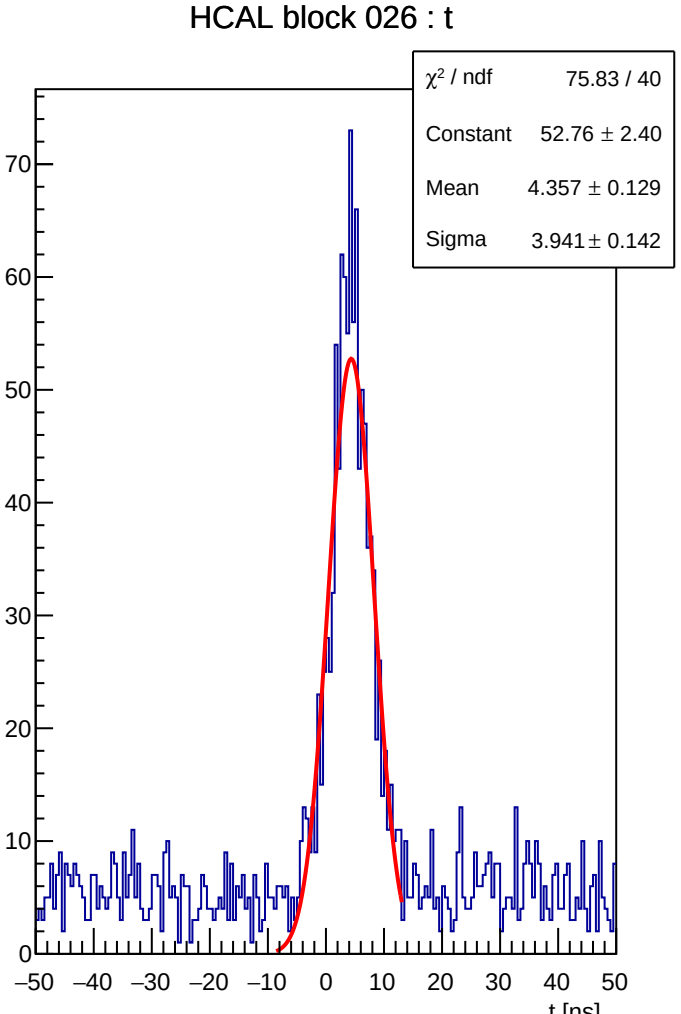

HCAL block 023 : t tw corr
χ² / ndf 46 / 29
Constant 301 ± 5.4
Mean 1.545 ± 0.056
Sigma 3.719 ± 0.054
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

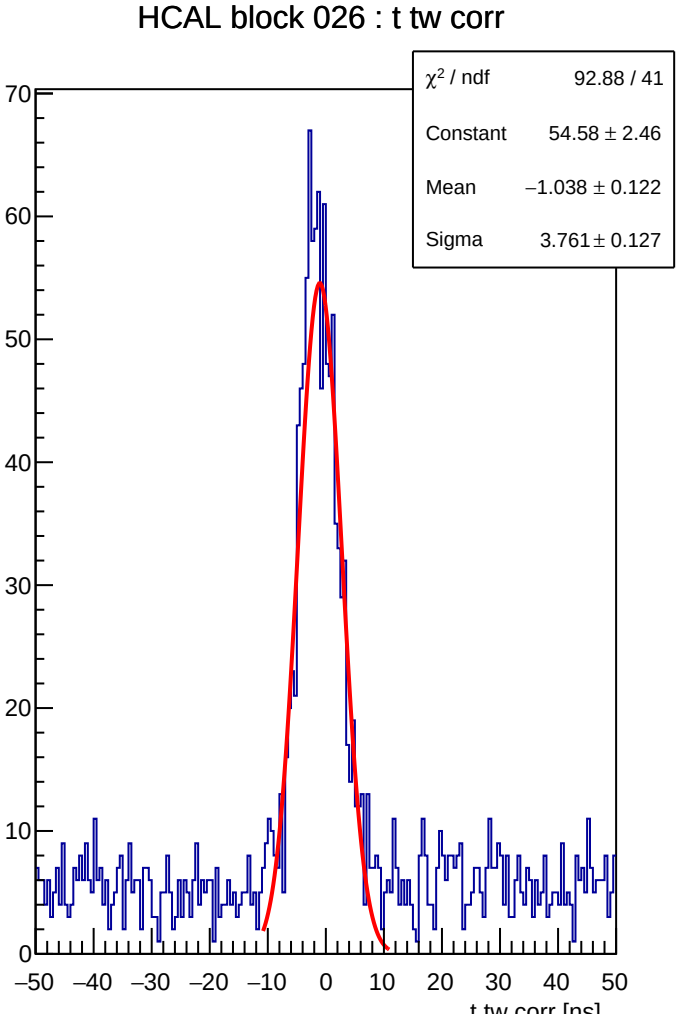

HCAL block 024 : t
χ² / ndf 486 / 51
Constant 191.4 ± 3.0
Mean 5.368 ± 0.339
Sigma 12.79 ± 0.50
300
250
200
150
100
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

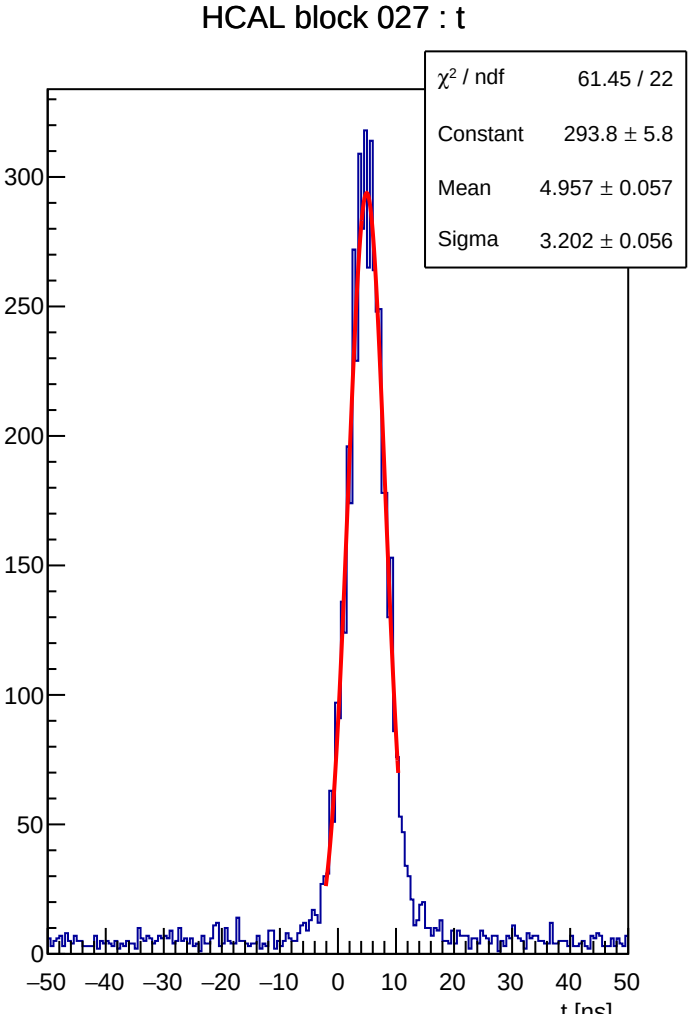

HCAL block 024 : t tw corr
χ² / ndf 73.31 / 51
Constant 811.2 ± 172.0
Mean 146.5 ± 8.9
Sigma 77.33 ± 49.45
220
200
180
160
140
120
100
80
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

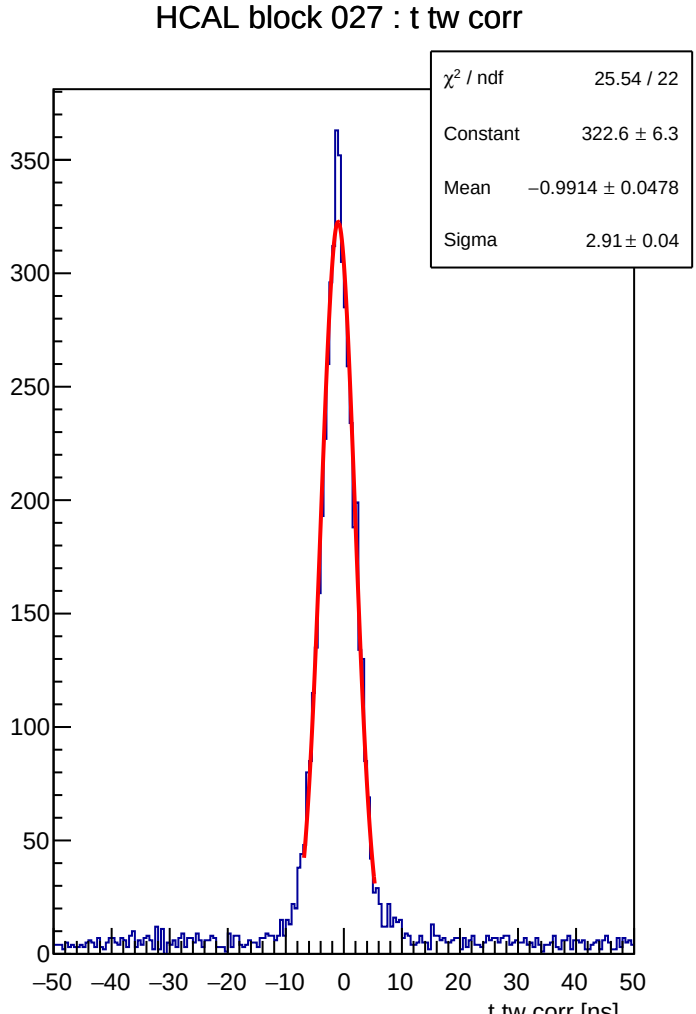

HCAL block 025 : t
χ² / ndf 40.51 / 22
Constant 113.7 ± 3.6
Mean 4.11 ± 0.10
Sigma 3.388 ± 0.104
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

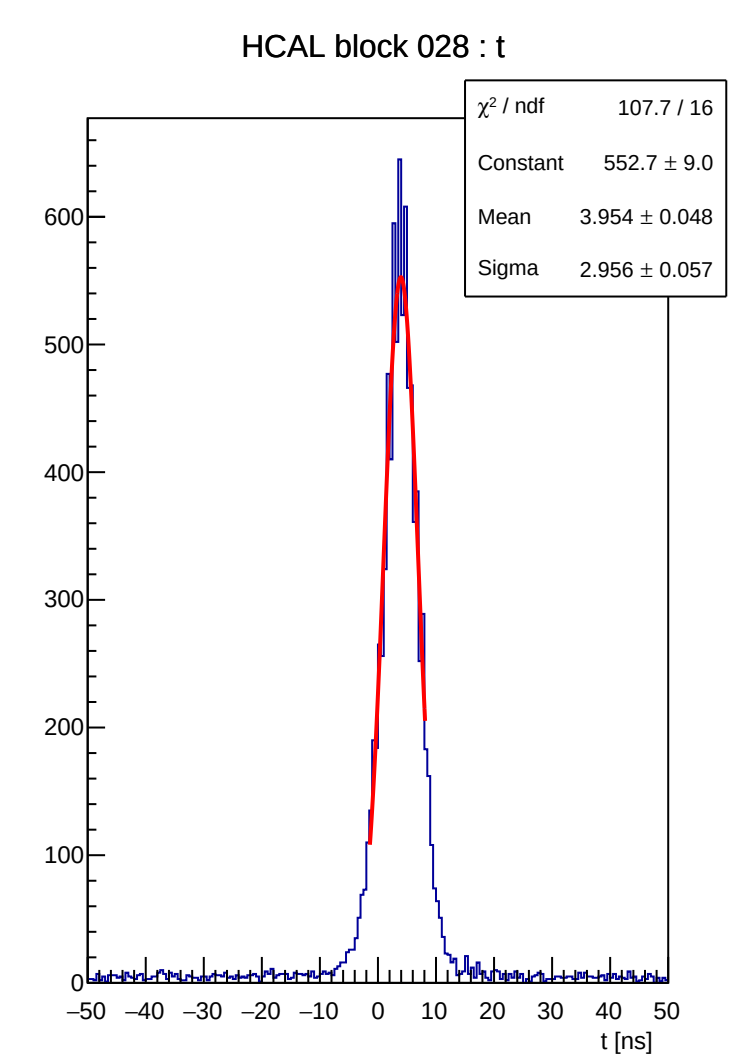

HCAL block 025 : t tw corr
χ² / ndf 25.96 / 23
Constant 108.3 ± 3.5
Mean 0.0917 ± 0.0992
Sigma 3.522 ± 0.108
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

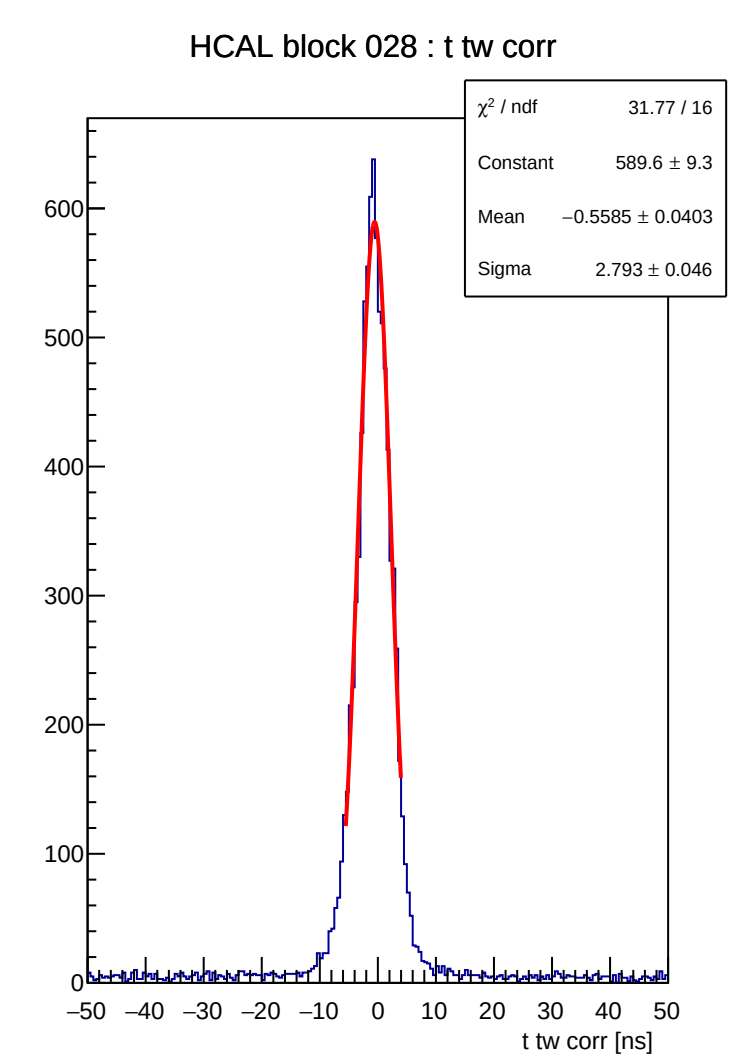

HCAL block 026 : t
χ² / ndf 75.83 / 40
Constant 52.76 ± 2.40
Mean 4.357 ± 0.129
Sigma 3.941 ± 0.142
t [ns]

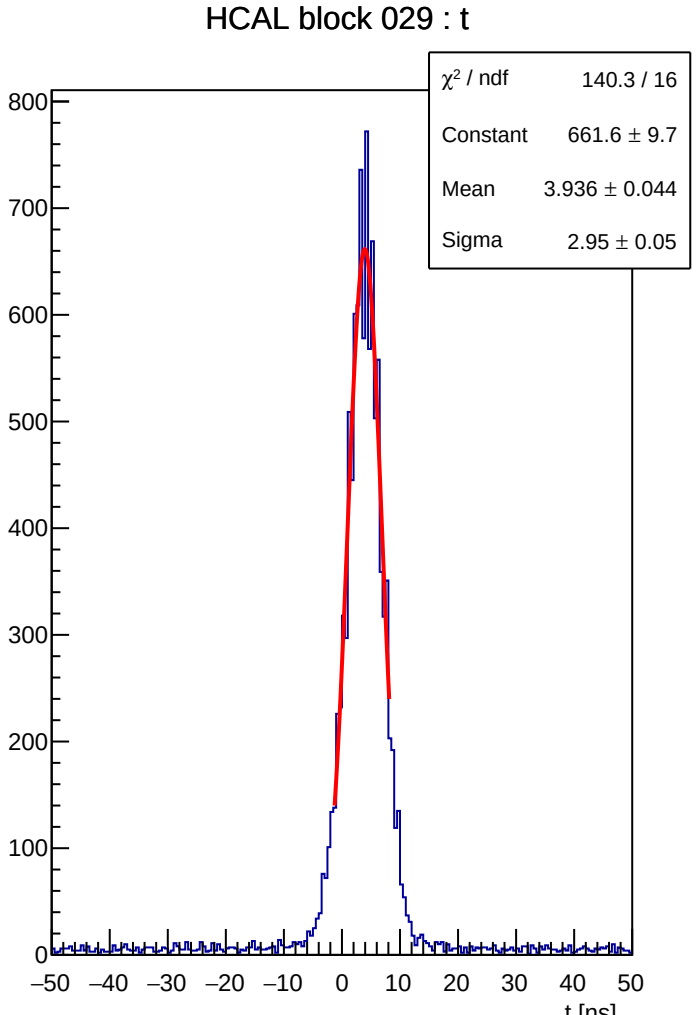

HCAL block 026 : t tw corr
χ² / ndf 92.88 / 41
Constant 54.58 ± 2.46
Mean −1.038 ± 0.122
Sigma 3.761 ± 0.127
t tw corr [ns]

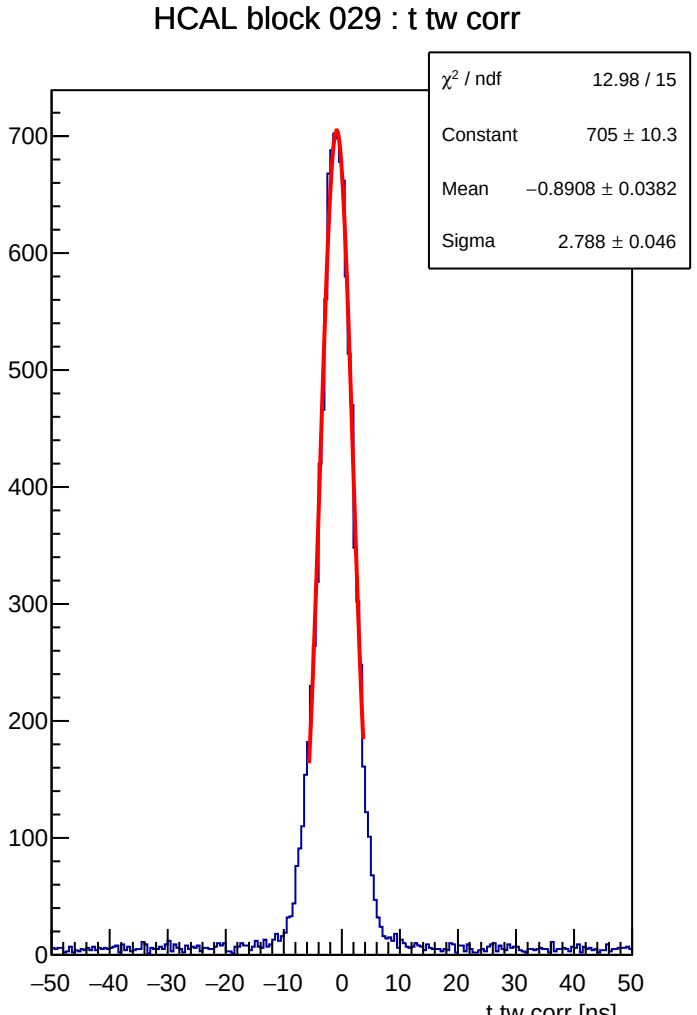

HCAL block 027 : t
χ² / ndf 61.45 / 22
Constant 293.8 ± 5.8
Mean 4.957 ± 0.057
Sigma 3.202 ± 0.056
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

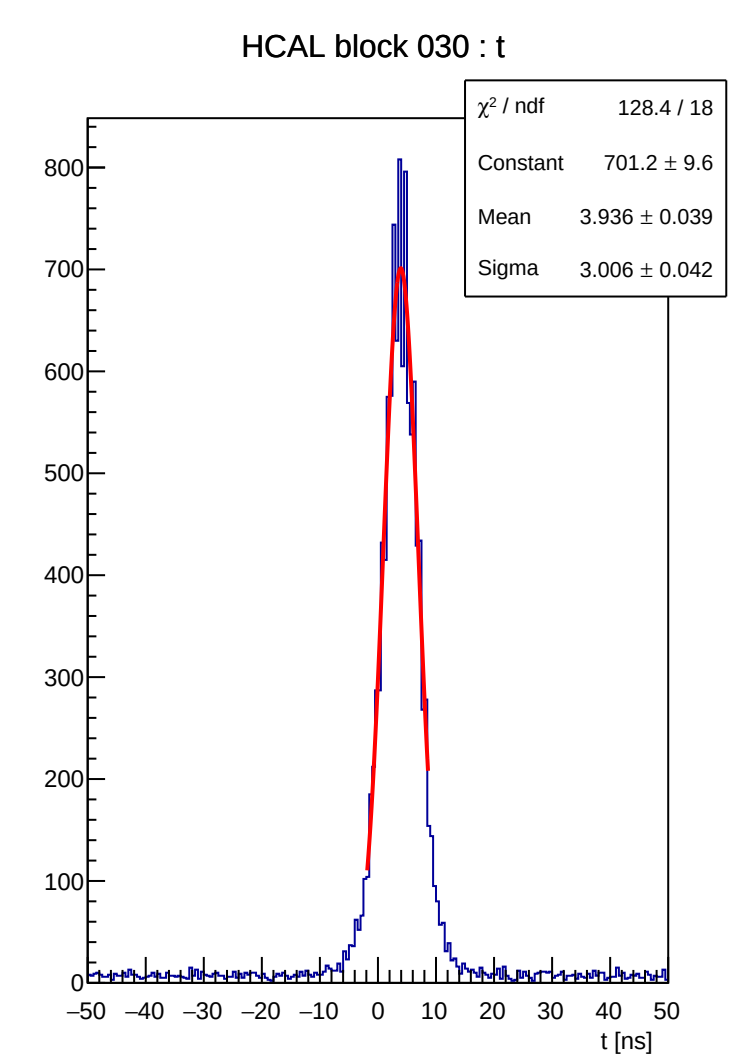

HCAL block 027 : t tw corr
χ² / ndf 25.54 / 22
Constant 322.6 ± 6.3
Mean −0.9914 ± 0.0478
Sigma 2.91 ± 0.04
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

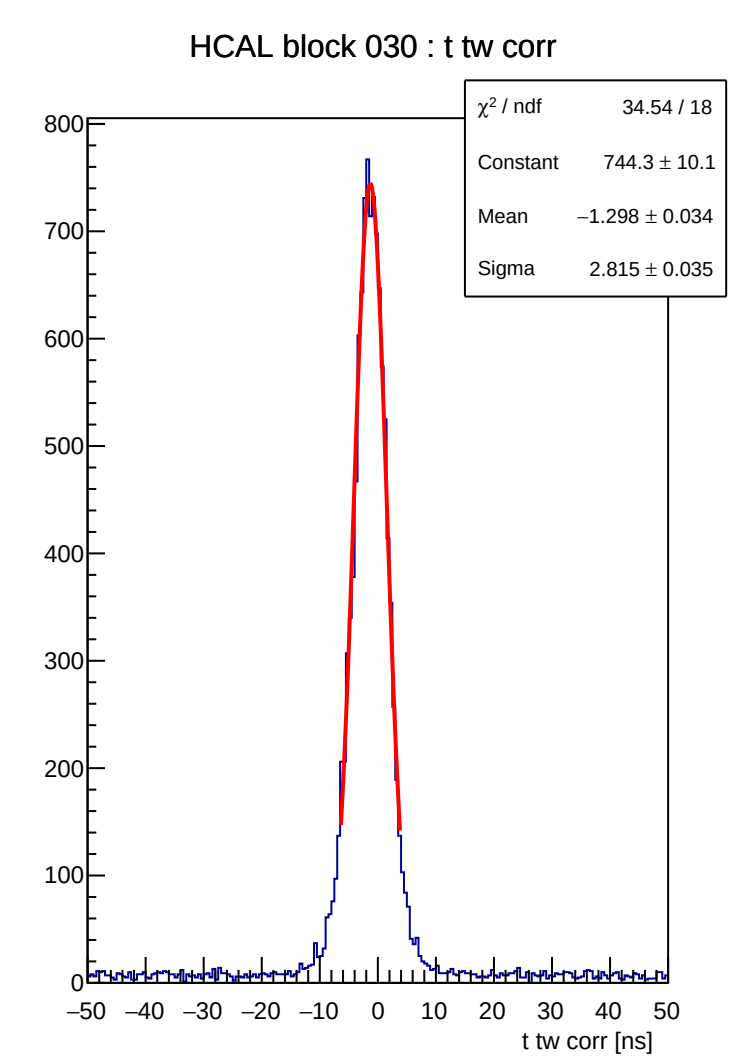

HCAL block 028 : t
χ² / ndf 107.7 / 16
Constant 552.7 ± 9.0
Mean 3.954 ± 0.048
Sigma 2.956 ± 0.057
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

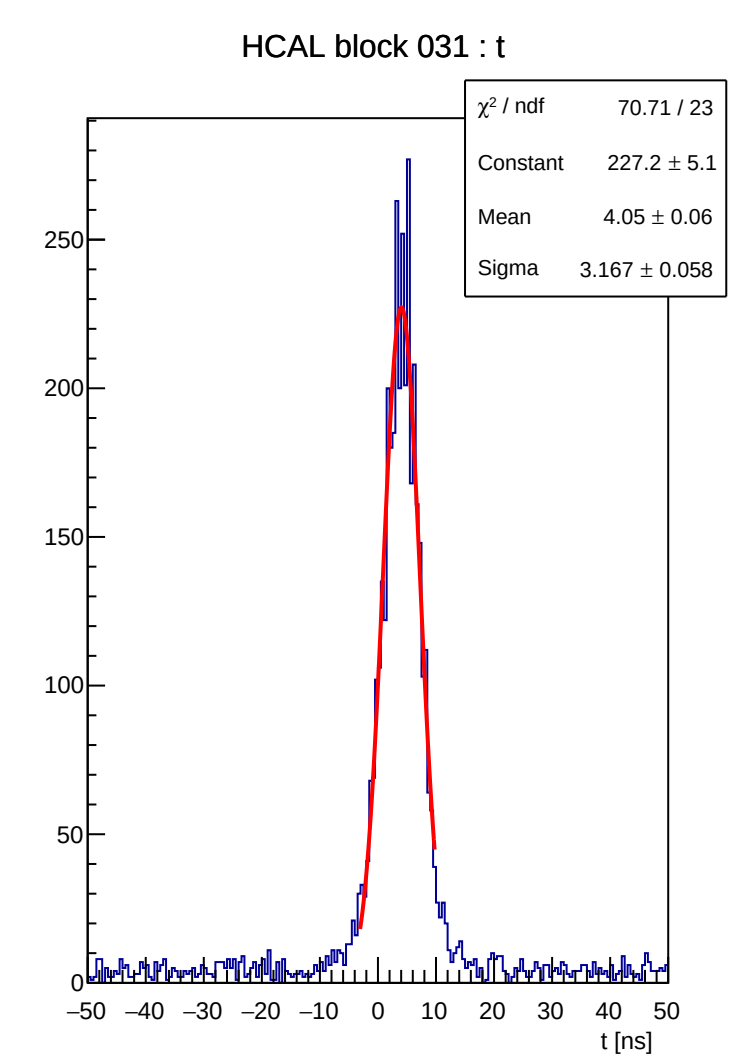

HCAL block 028 : t tw corr
χ² / ndf 31.77 / 16
Constant 589.6 ± 9.3
Mean −0.5585 ± 0.0403
Sigma 2.793 ± 0.046
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

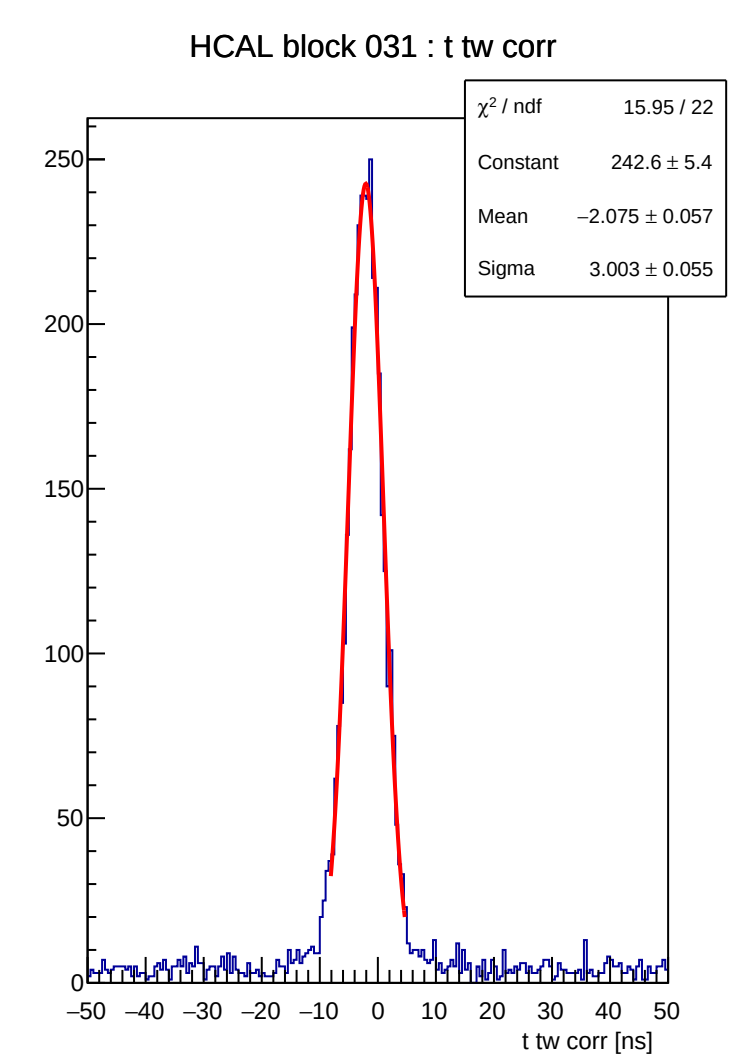

HCAL block 029 : t
χ² / ndf 140.3 / 16
Constant 661.6 ± 9.7
Mean 3.936 ± 0.044
Sigma 2.95 ± 0.05
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

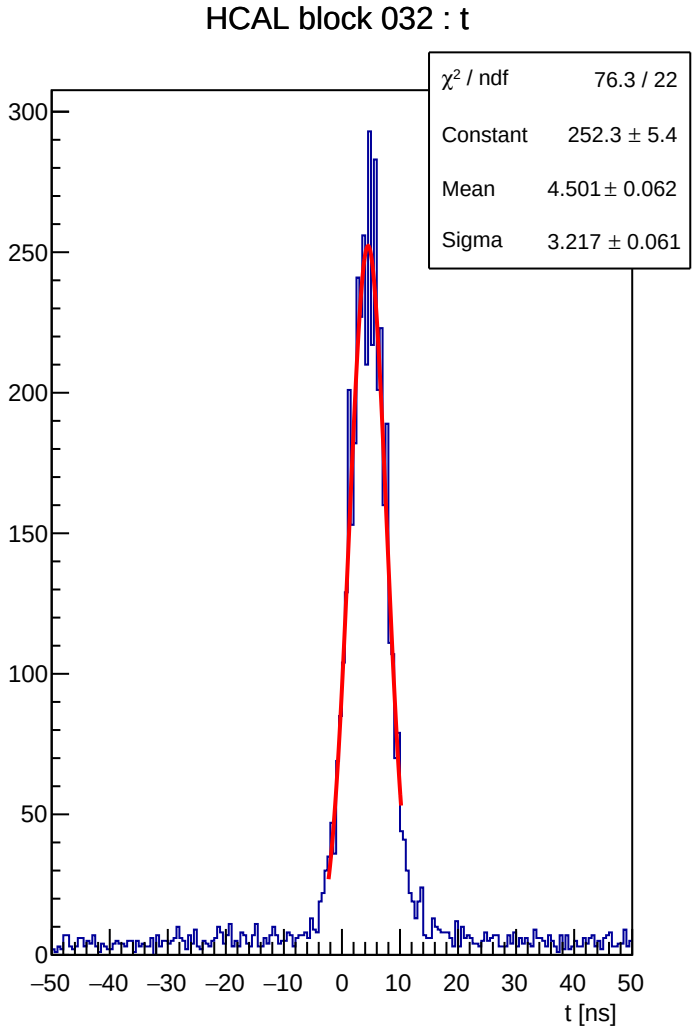

HCAL block 029 : t tw corr
χ² / ndf 12.98 / 15
Constant 705 ± 10.3
Mean −0.8908 ± 0.0382
Sigma 2.788 ± 0.046
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

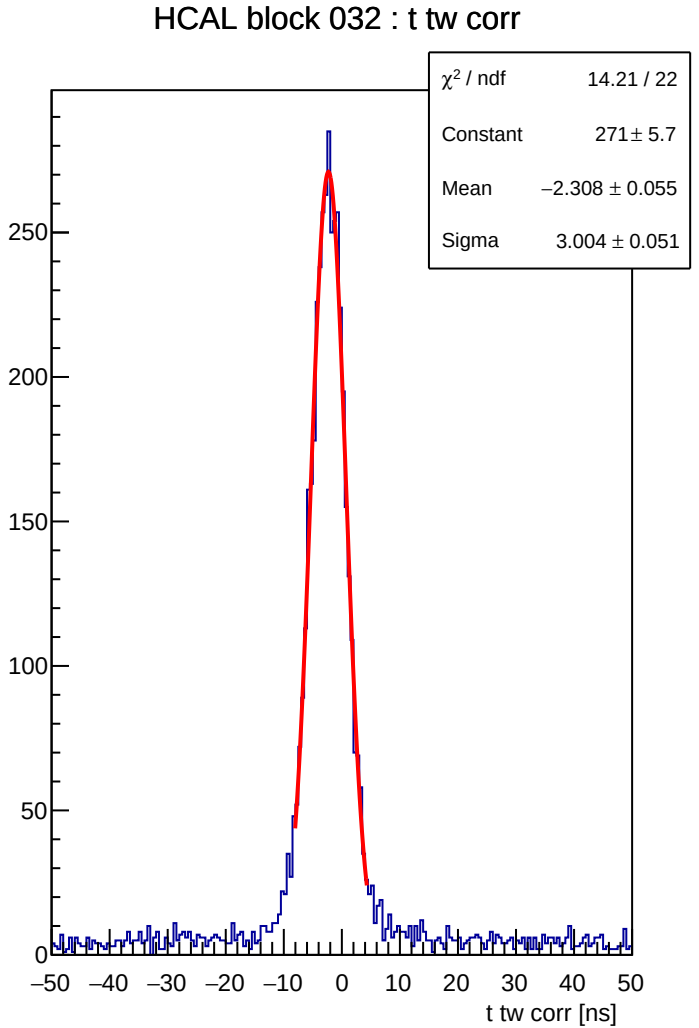

HCAL block 030 : t
χ² / ndf 128.4 / 18
Constant 701.2 ± 9.6
Mean 3.936 ± 0.039
Sigma 3.006 ± 0.042
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

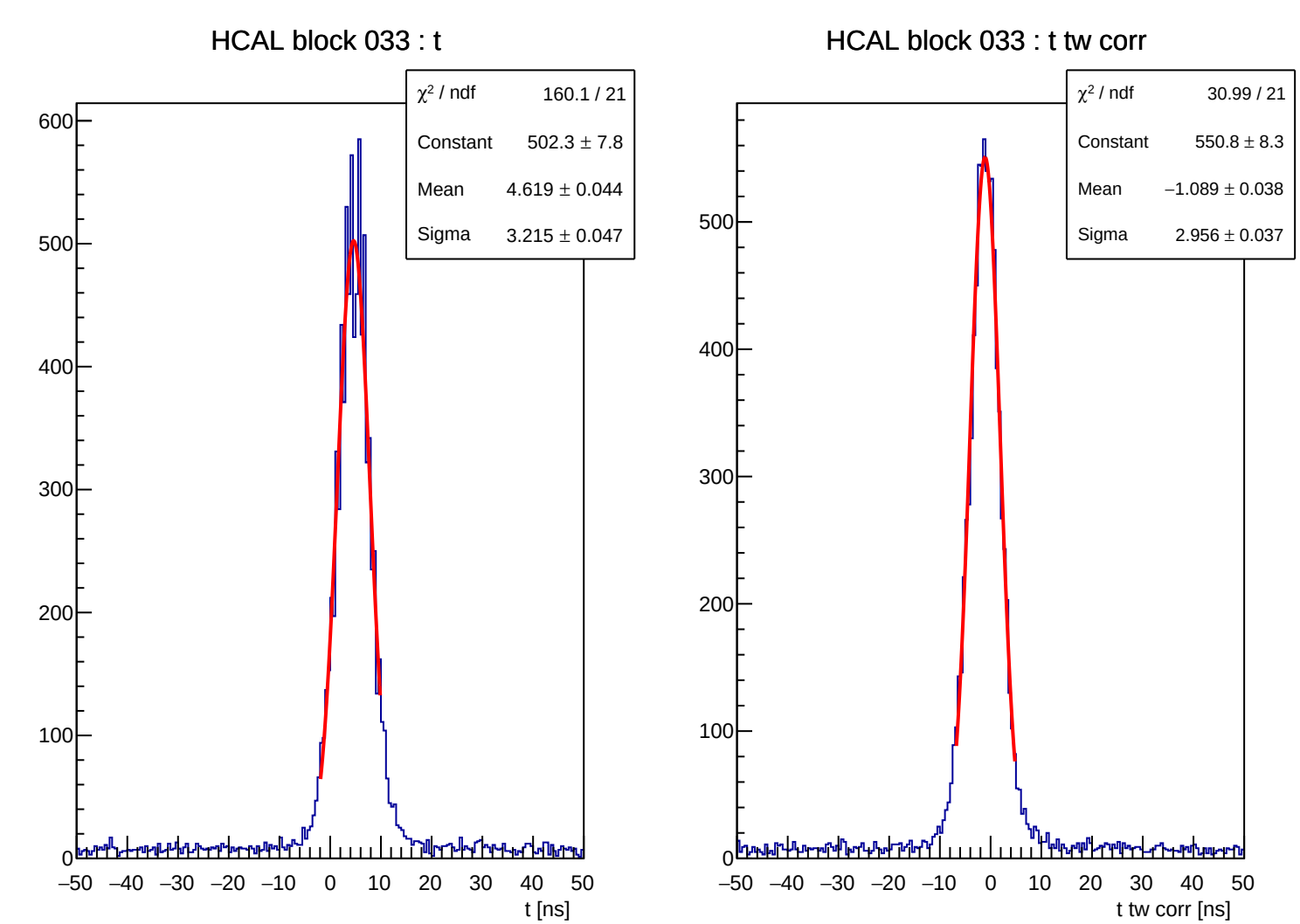

HCAL block 030 : t tw corr
χ² / ndf 34.54 / 18
Constant 744.3 ± 10.1
Mean –1.298 ± 0.034
Sigma 2.815 ± 0.035
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

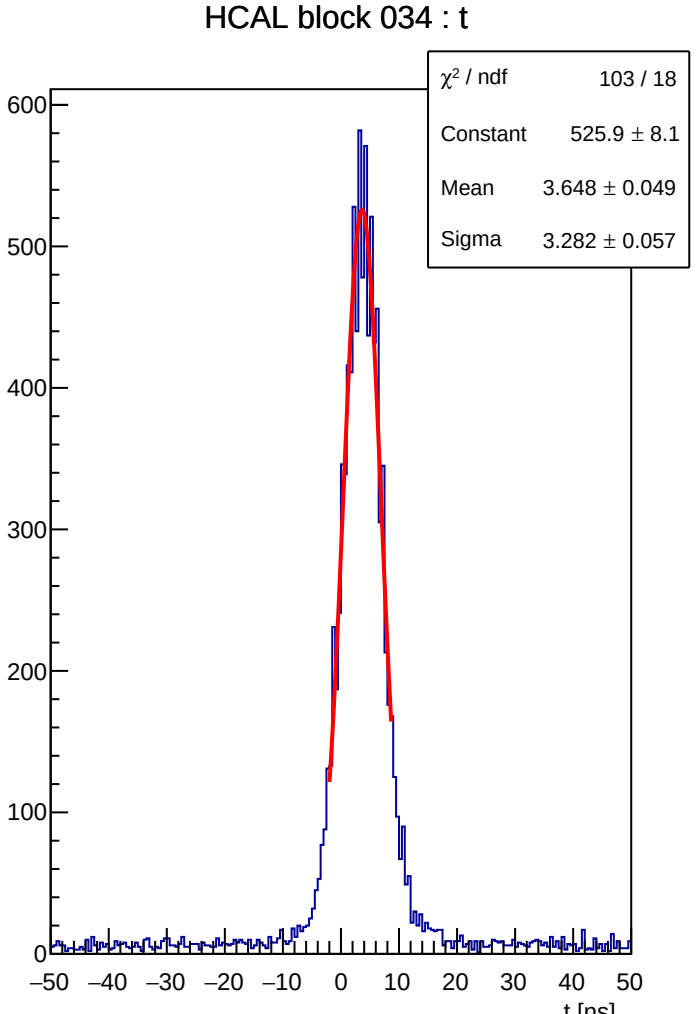

HCAL block 031 : t
χ² / ndf 70.71 / 23
Constant 227.2 ± 5.1
Mean 4.05 ± 0.06
Sigma 3.167 ± 0.058
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

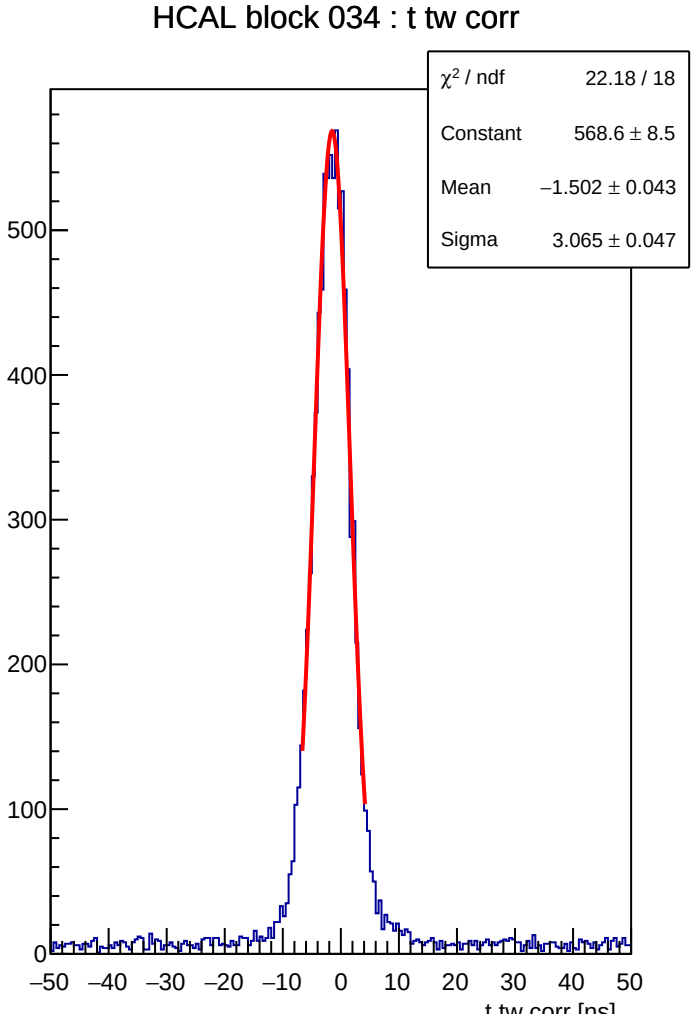

HCAL block 031 : t tw corr
χ² / ndf 15.95 / 22
Constant 242.6 ± 5.4
Mean –2.075 ± 0.057
Sigma 3.003 ± 0.055
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

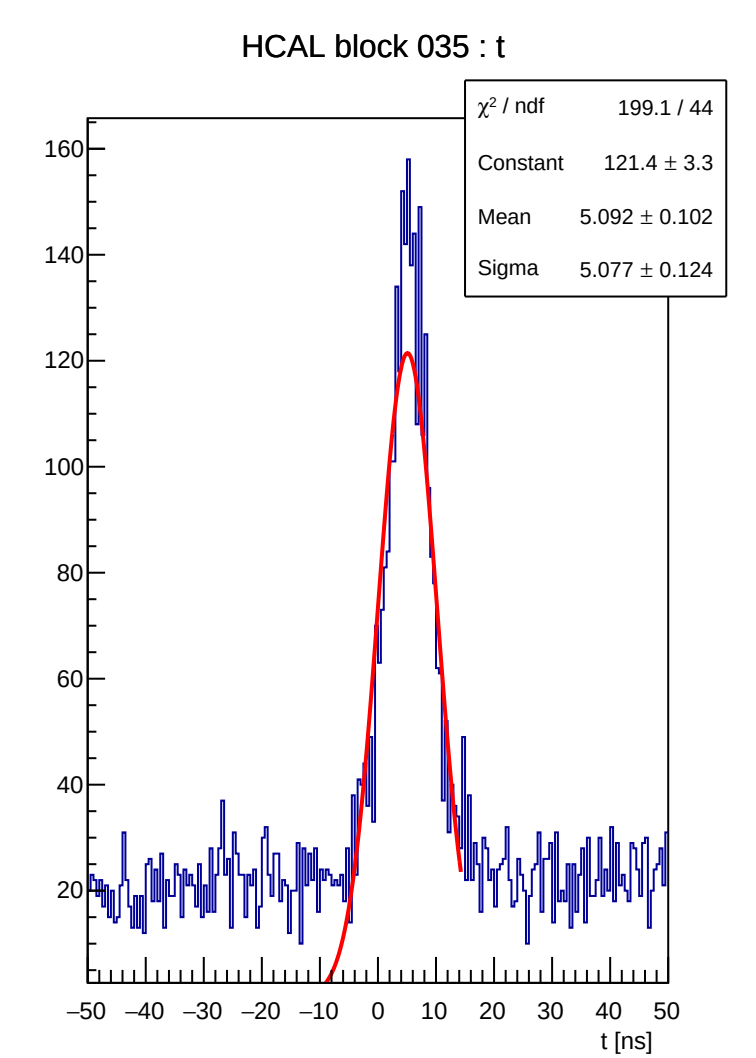

HCAL block 032 : t
χ² / ndf 76.3 / 22
Constant 252.3 ± 5.4
Mean 4.501 ± 0.062
Sigma 3.217 ± 0.061
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

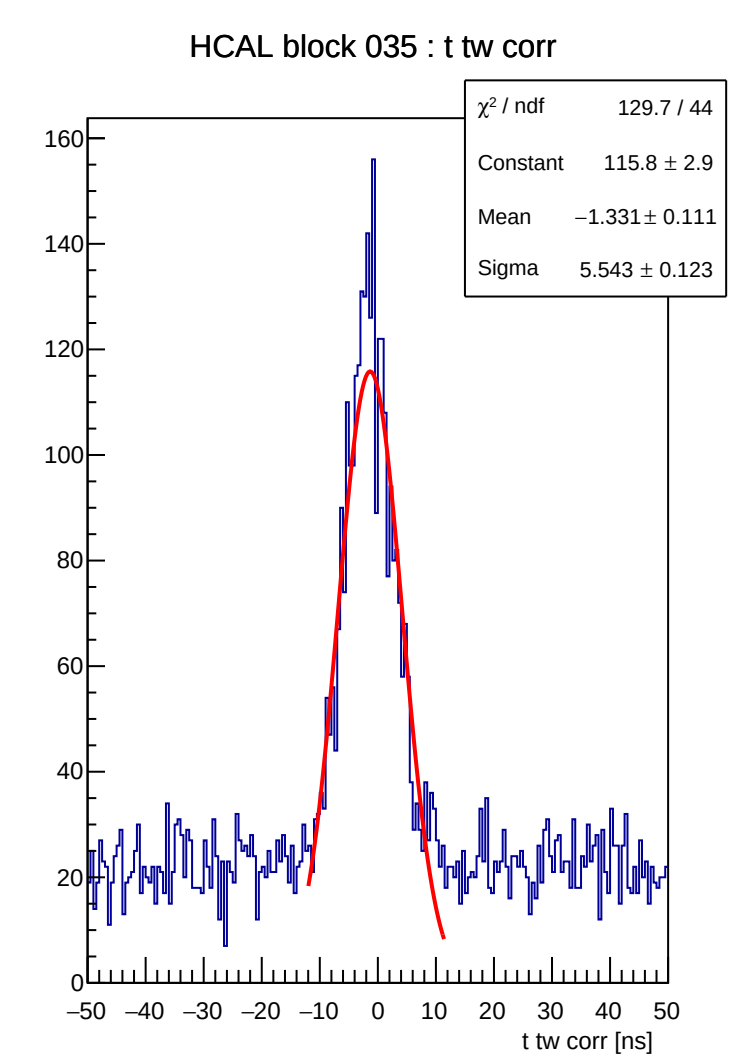

HCAL block 032 : t tw corr
χ² / ndf 14.21 / 22
Constant 271 ± 5.7
Mean –2.308 ± 0.055
Sigma 3.004 ± 0.051
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

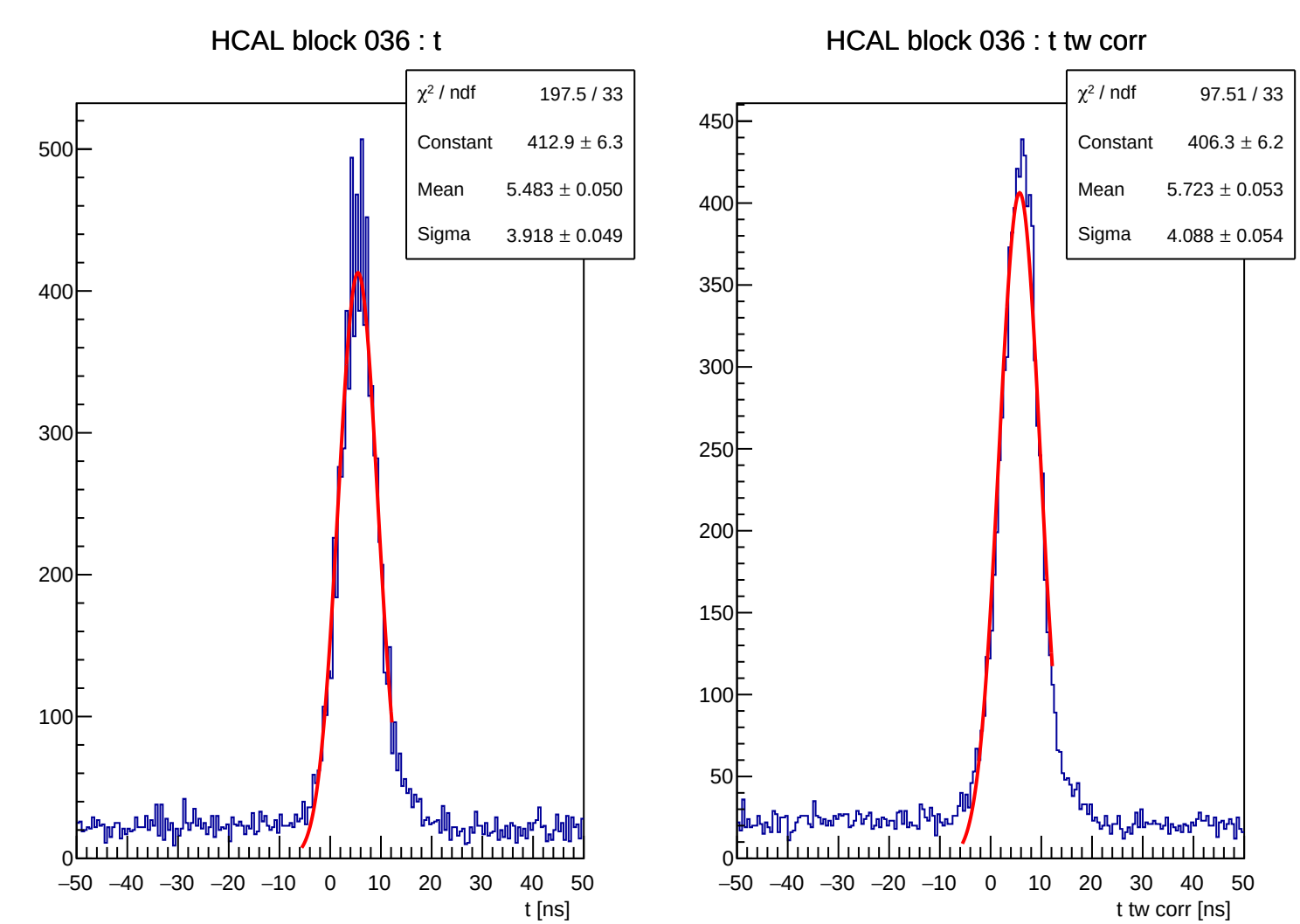

HCAL block 033 : t
χ² / ndf 160.1 / 21
Constant 502.3 ± 7.8
Mean 4.619 ± 0.044
Sigma 3.215 ± 0.047
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 033 : t tw corr
χ² / ndf 30.99 / 21
Constant 550.8 ± 8.3
Mean –1.089 ± 0.038
Sigma 2.956 ± 0.037
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

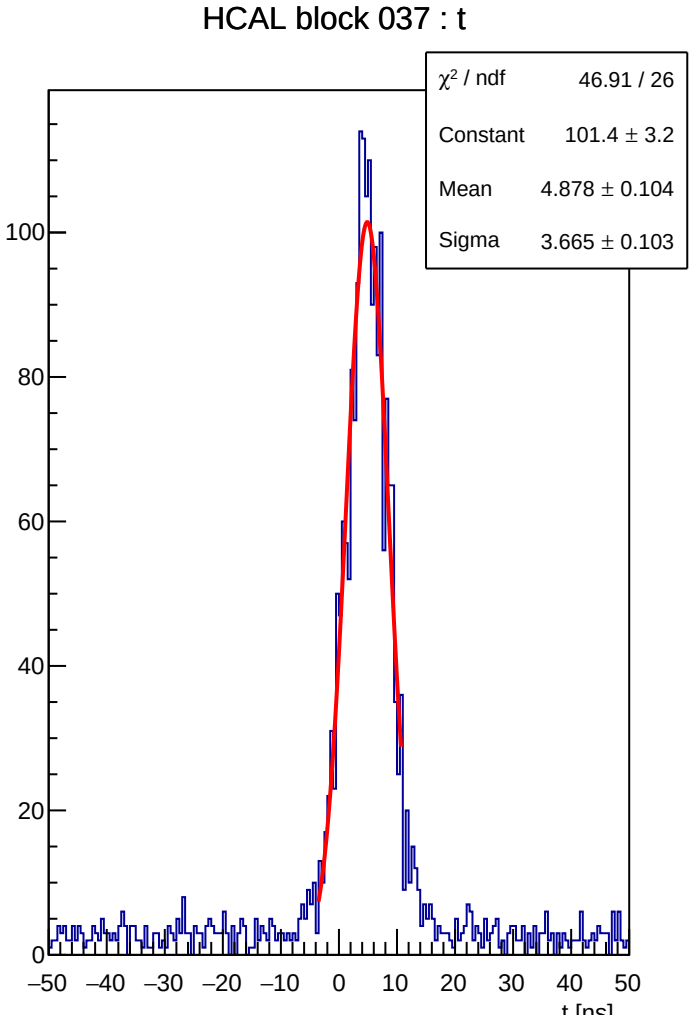

HCAL block 034 : t
χ² / ndf 103 / 18
Constant 525.9 ± 8.1
Mean 3.648 ± 0.049
Sigma 3.282 ± 0.057
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

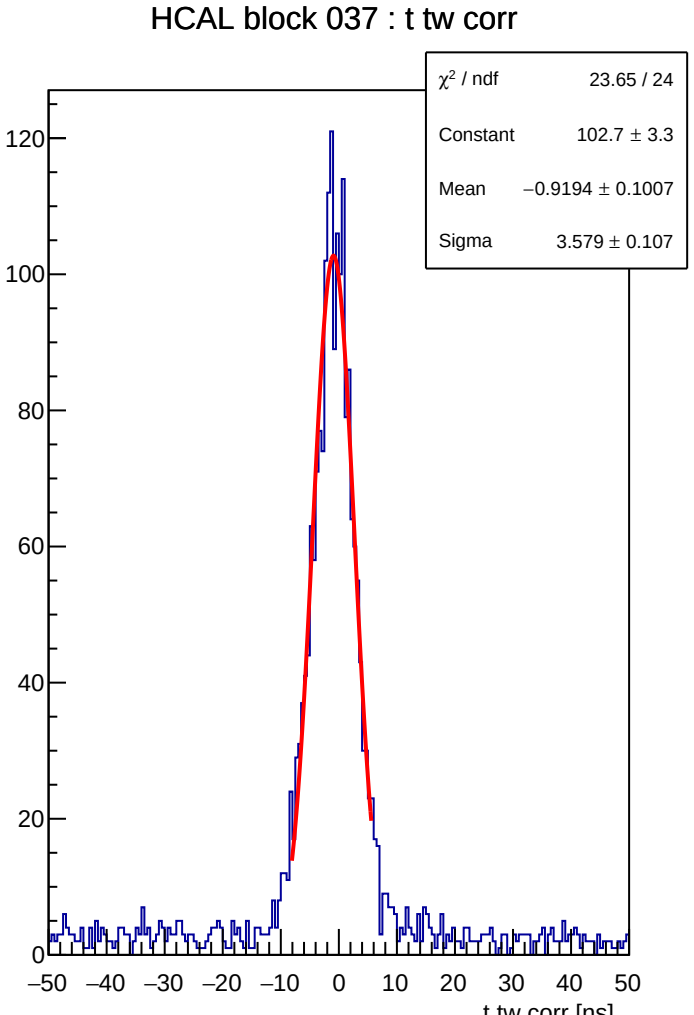

HCAL block 034 : t tw corr
χ² / ndf 22.18 / 18
Constant 568.6 ± 8.5
Mean –1.502 ± 0.043
Sigma 3.065 ± 0.047
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

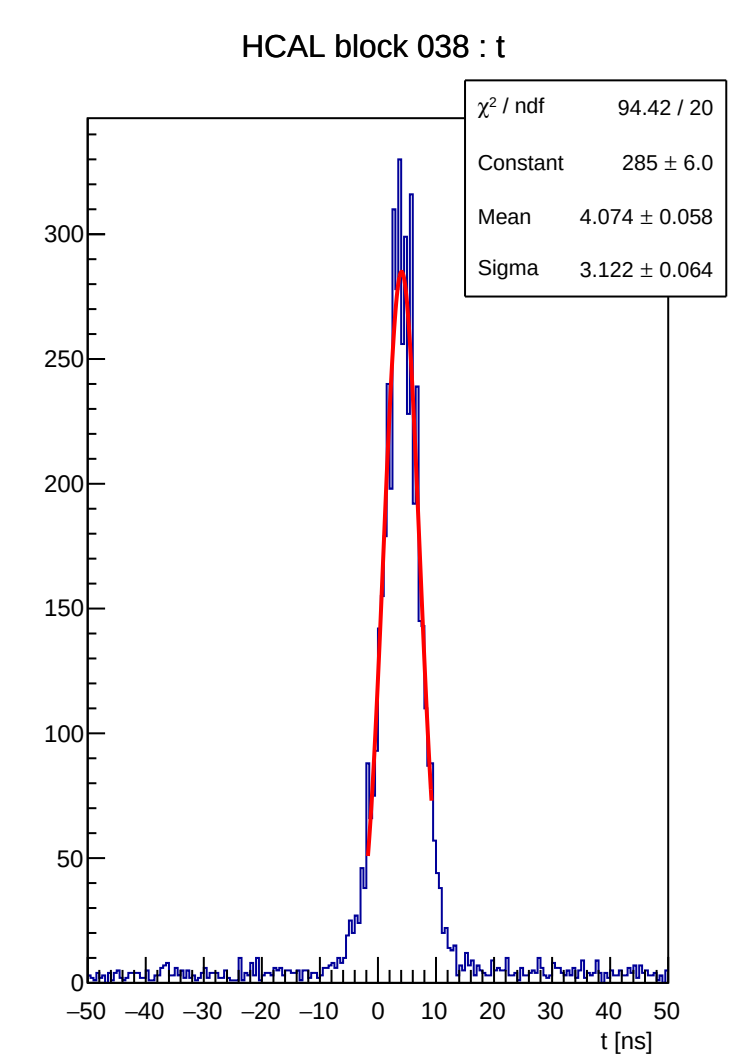

HCAL block 035 : t
χ² / ndf 199.1 / 44
Constant 121.4 ± 3.3
Mean 5.092 ± 0.102
Sigma 5.077 ± 0.124
160
140
120
100
80
60
40
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

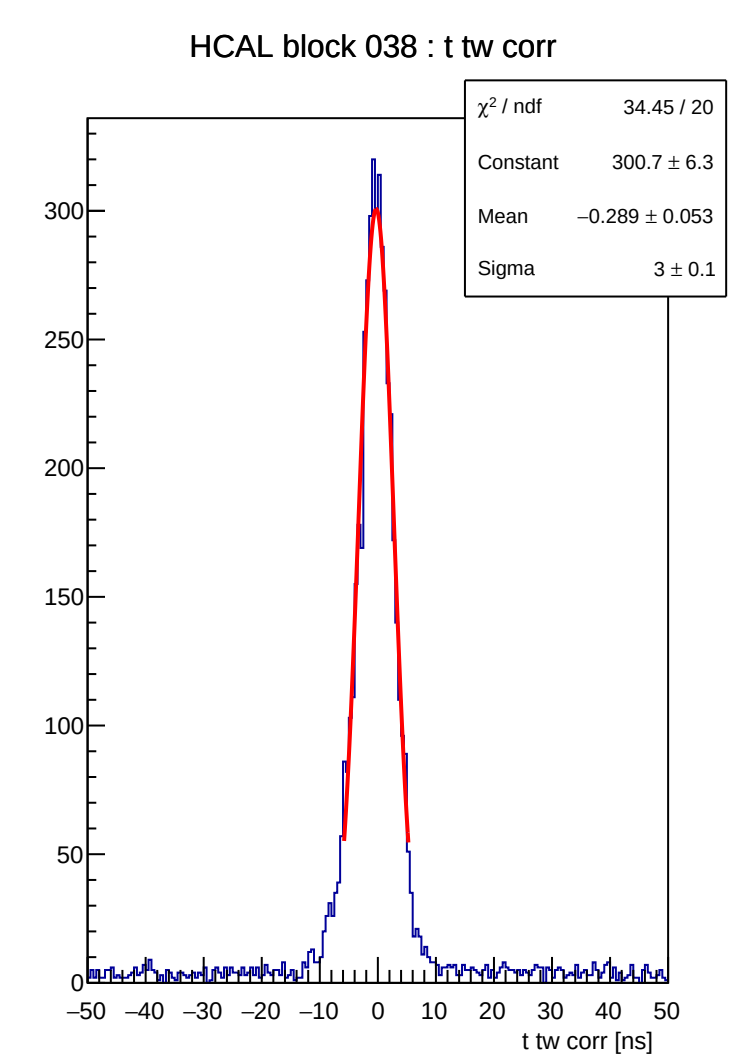

HCAL block 035 : t tw corr
χ² / ndf 129.7 / 44
Constant 115.8 ± 2.9
Mean –1.331 ± 0.111
Sigma 5.543 ± 0.123
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

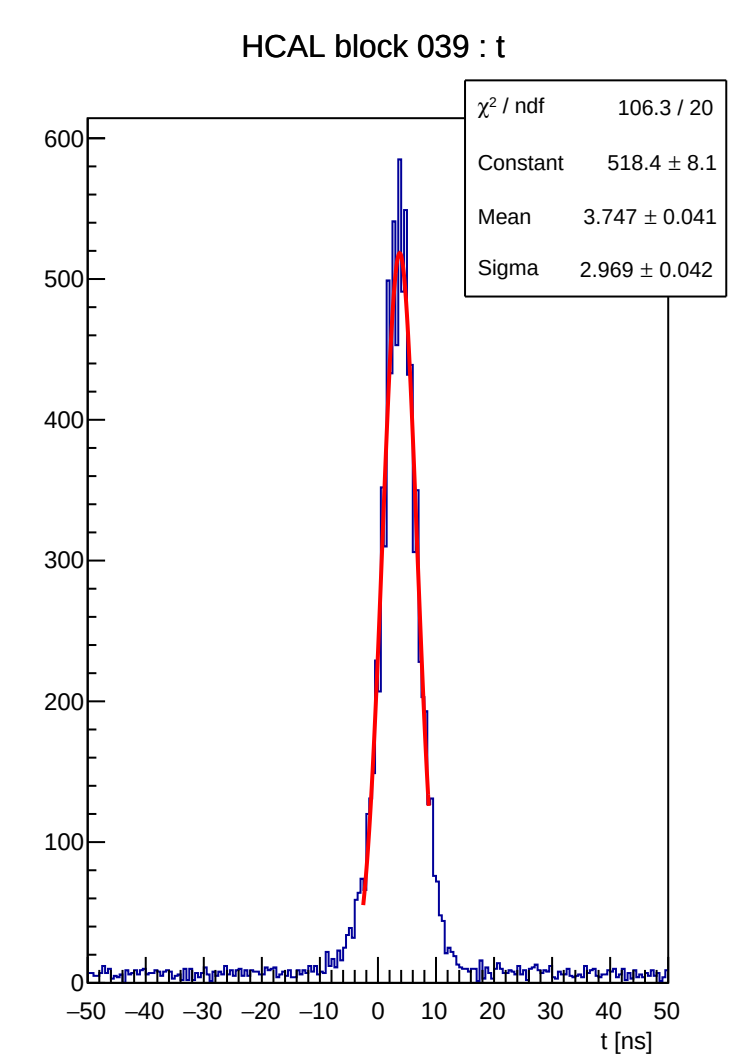

HCAL block 036 : t
χ² / ndf 197.5 / 33
Constant 412.9 ± 6.3
Mean 5.483 ± 0.050
Sigma 3.918 ± 0.049
t [ns]
HCAL block 036 : t tw corr
χ² / ndf 97.51 / 33
Constant 406.3 ± 6.2
Mean 5.723 ± 0.053
Sigma 4.088 ± 0.054
t tw corr [ns]

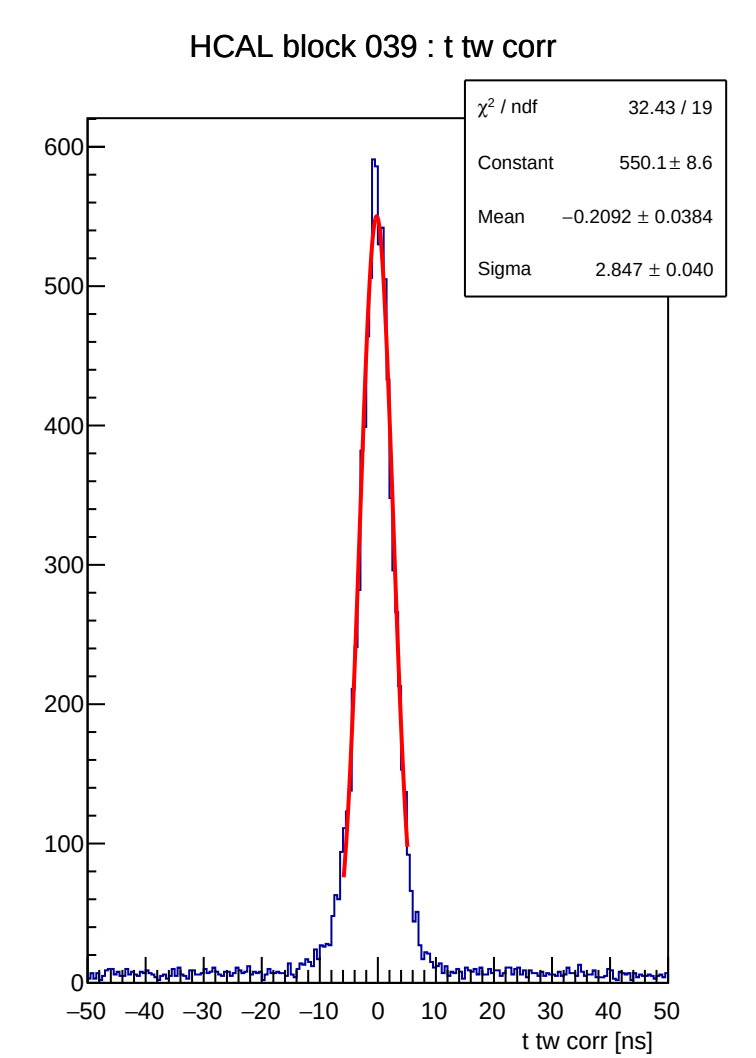

HCAL block 037 : t
χ² / ndf 46.91 / 26
Constant 101.4 ± 3.2
Mean 4.878 ± 0.104
Sigma 3.665 ± 0.103
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

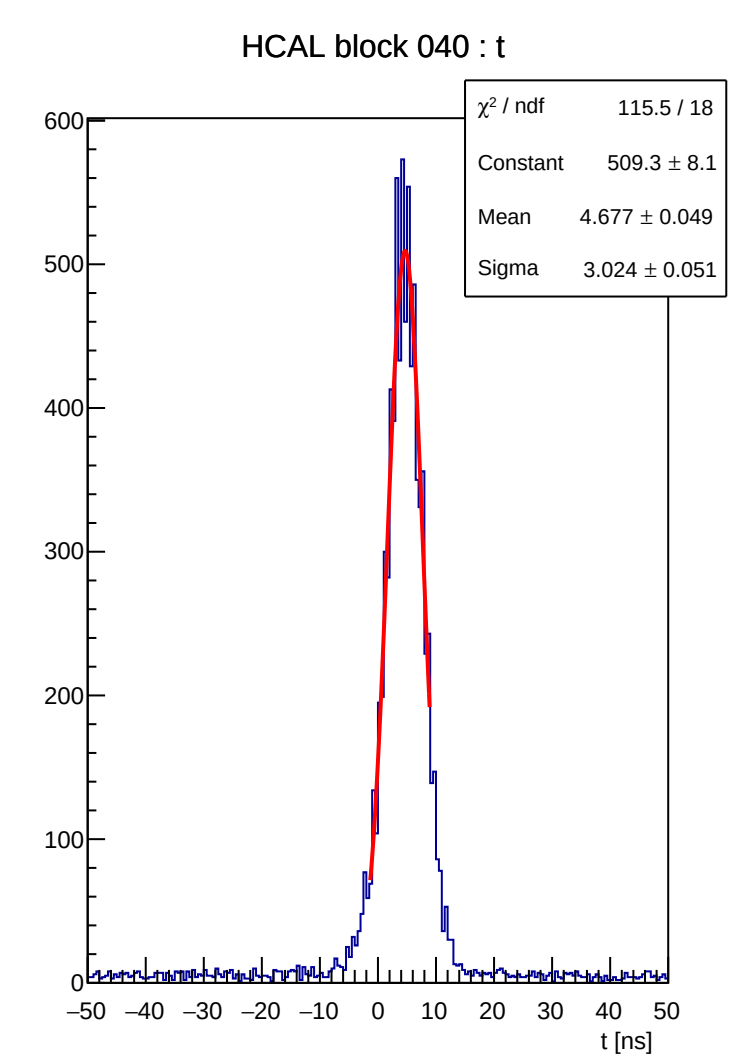

HCAL block 037 : t tw corr
χ² / ndf 23.65 / 24
Constant 102.7 ± 3.3
Mean −0.9194 ± 0.1007
Sigma 3.579 ± 0.107
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

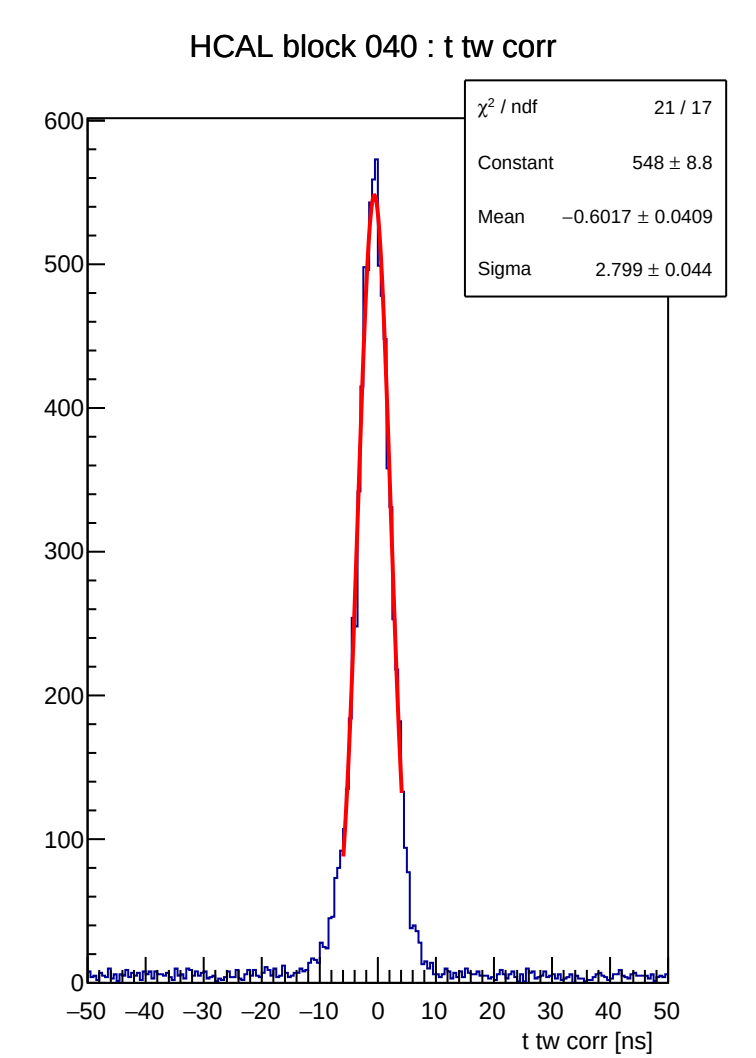

HCAL block 038 : t
χ² / ndf 94.42 / 20
Constant 285 ± 6.0
Mean 4.074 ± 0.058
Sigma 3.122 ± 0.064
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

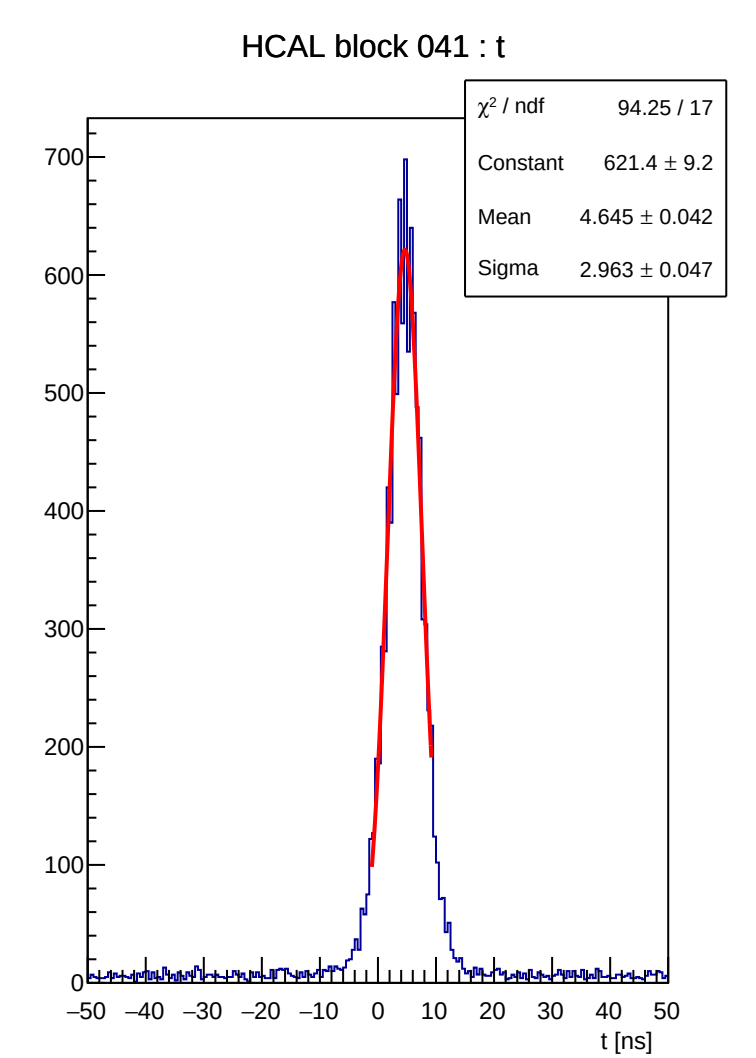

HCAL block 038 : t tw corr
χ² / ndf 34.45 / 20
Constant 300.7 ± 6.3
Mean –0.289 ± 0.053
Sigma 3 ± 0.1
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

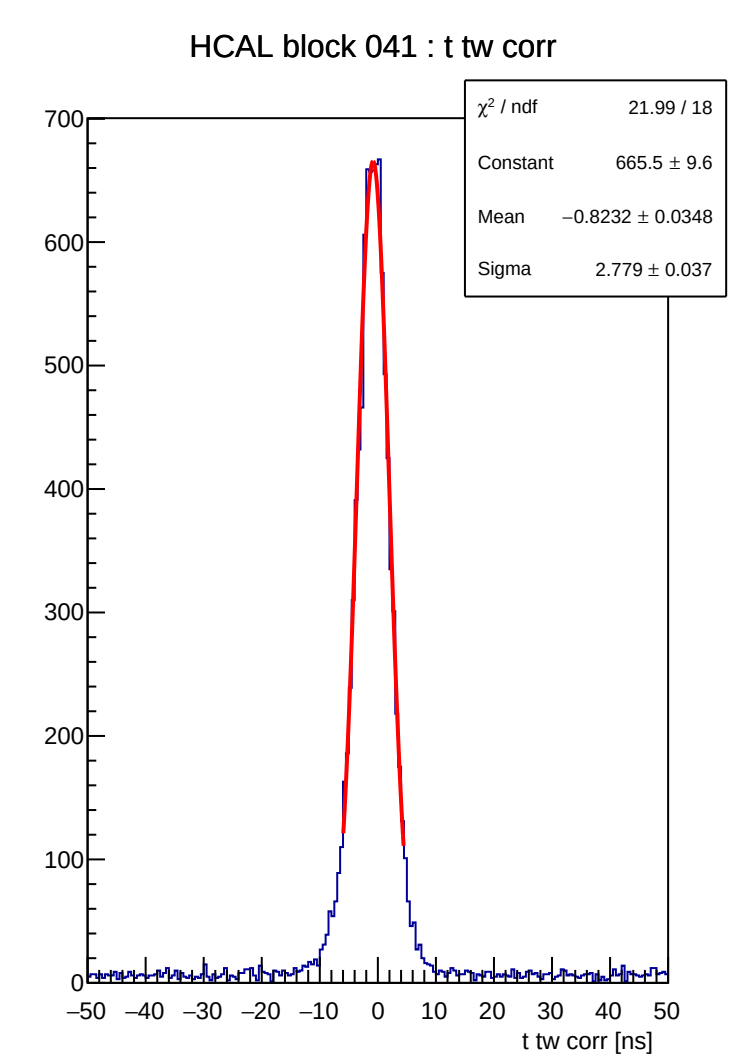

HCAL block 039 : t
χ² / ndf 106.3 / 20
Constant 518.4 ± 8.1
Mean 3.747 ± 0.041
Sigma 2.969 ± 0.042
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

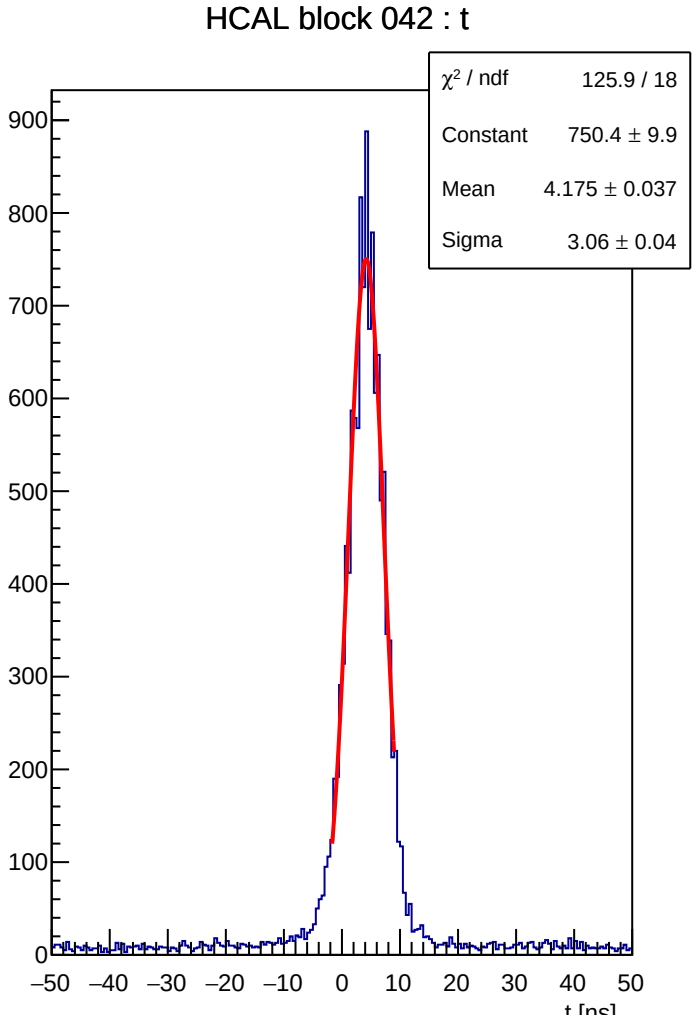

HCAL block 039 : t tw corr
χ² / ndf 32.43 / 19
Constant 550.1 ± 8.6
Mean −0.2092 ± 0.0384
Sigma 2.847 ± 0.040
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

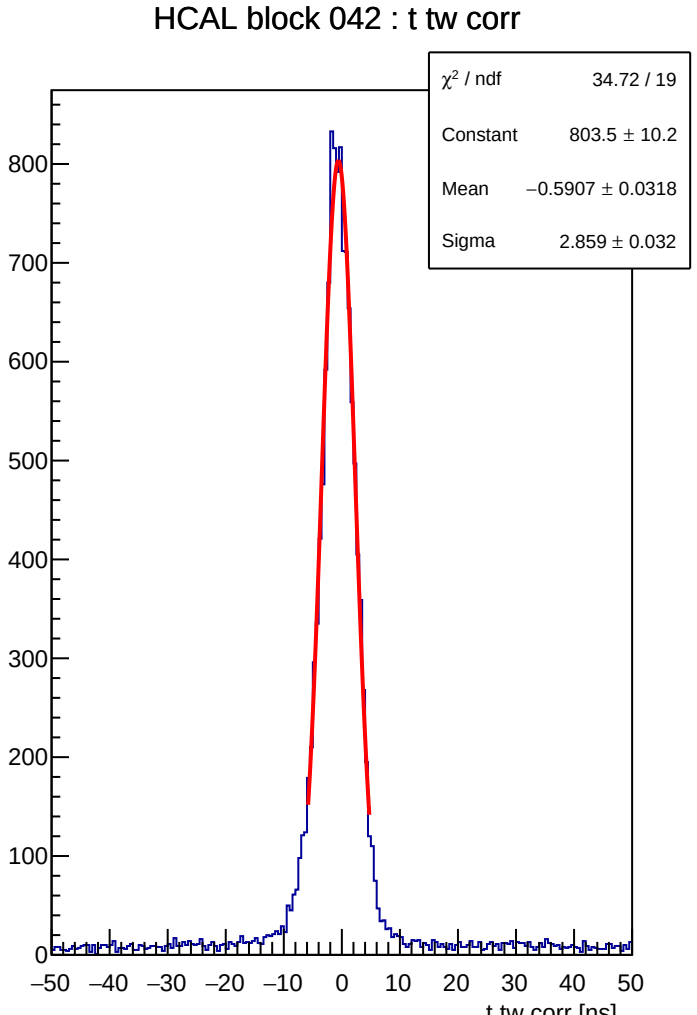

HCAL block 040 : t
χ² / ndf 115.5 / 18
Constant 509.3 ± 8.1
Mean 4.677 ± 0.049
Sigma 3.024 ± 0.051
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

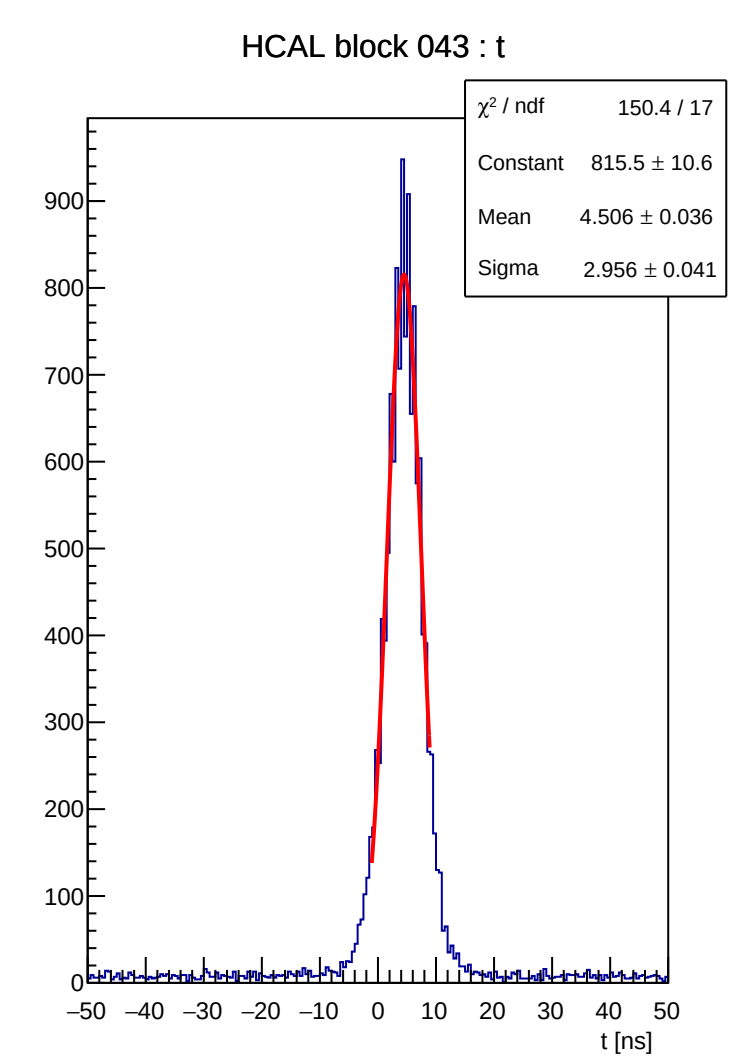

HCAL block 040 : t tw corr
χ² / ndf 21 / 17
Constant 548 ± 8.8
Mean –0.6017 ± 0.0409
Sigma 2.799 ± 0.044
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

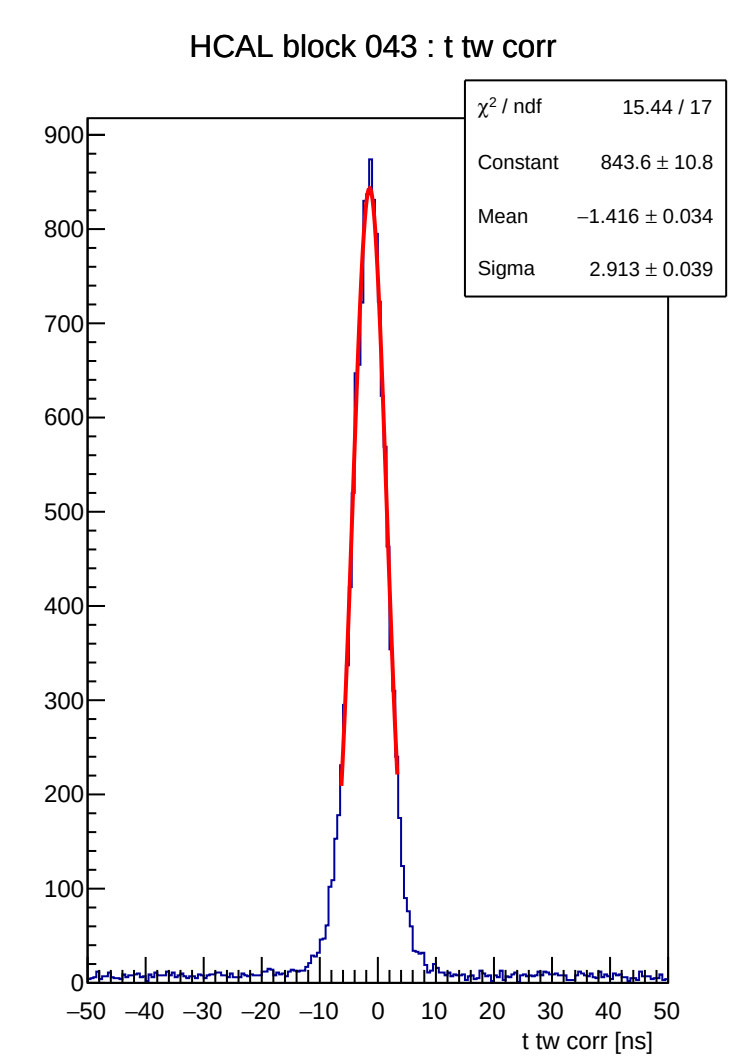

HCAL block 041 : t
χ² / ndf 94.25 / 17
Constant 621.4 ± 9.2
Mean 4.645 ± 0.042
Sigma 2.963 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

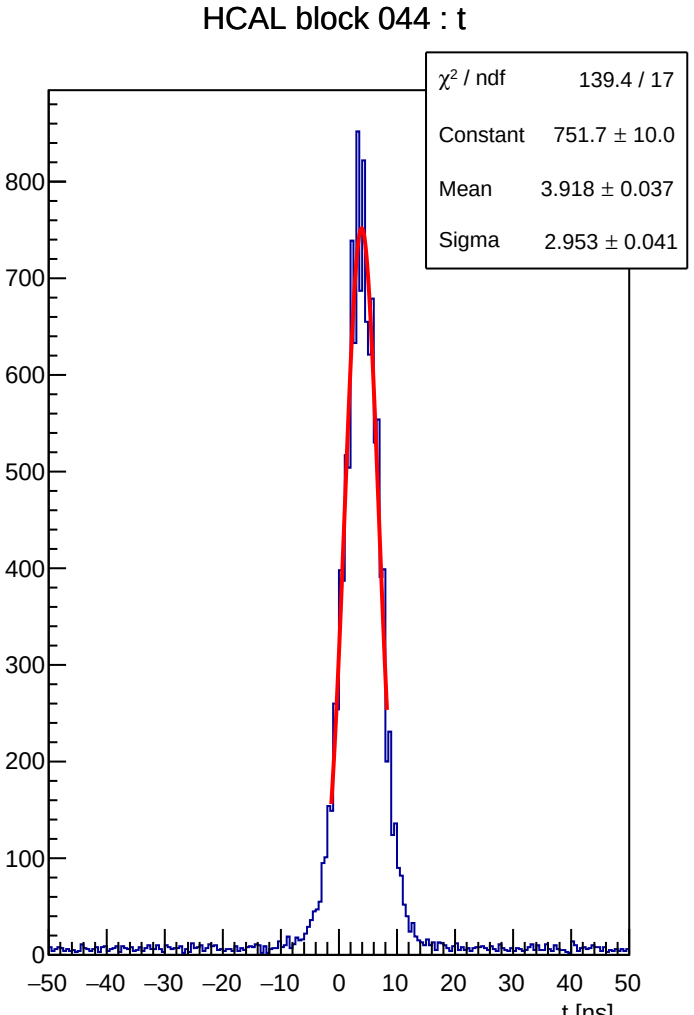

HCAL block 041 : t tw corr
χ² / ndf 21.99 / 18
Constant 665.5 ± 9.6
Mean −0.8232 ± 0.0348
Sigma 2.779 ± 0.037
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

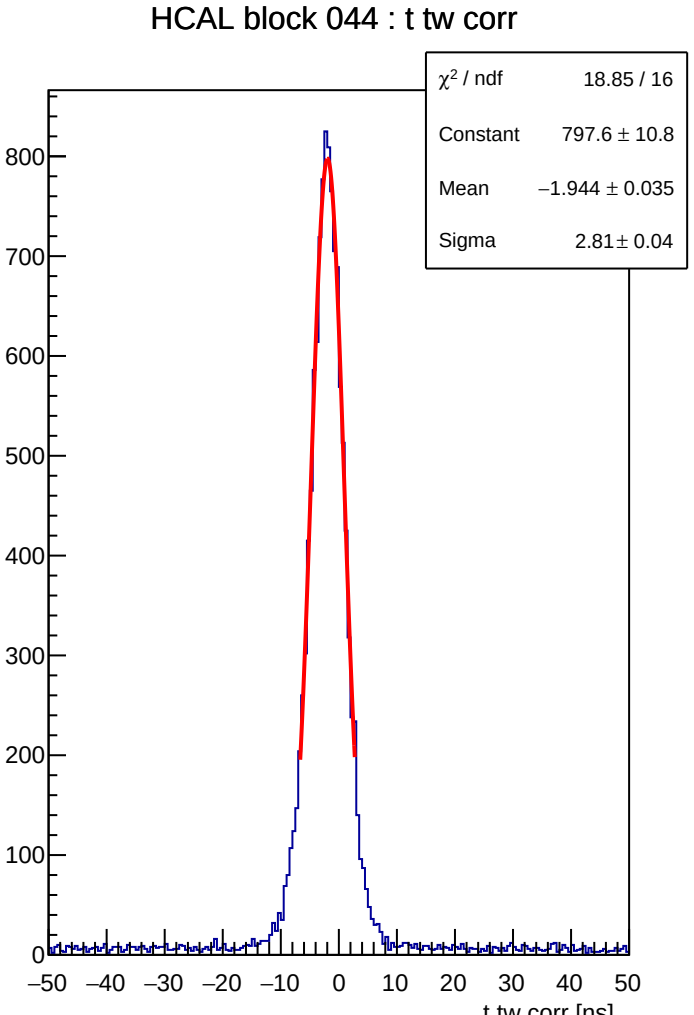

HCAL block 042 : t
χ² / ndf 125.9 / 18
Constant 750.4 ± 9.9
Mean 4.175 ± 0.037
Sigma 3.06 ± 0.04
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

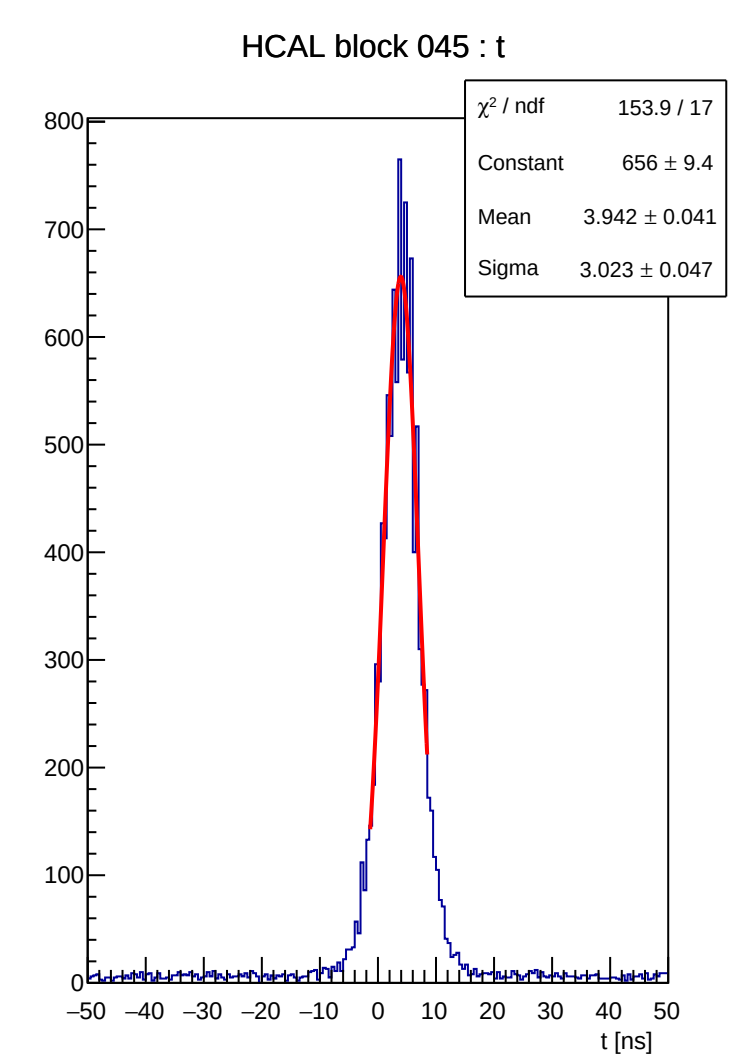

HCAL block 042 : t tw corr
χ² / ndf 34.72 / 19
Constant 803.5 ± 10.2
Mean –0.5907 ± 0.0318
Sigma 2.859 ± 0.032
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

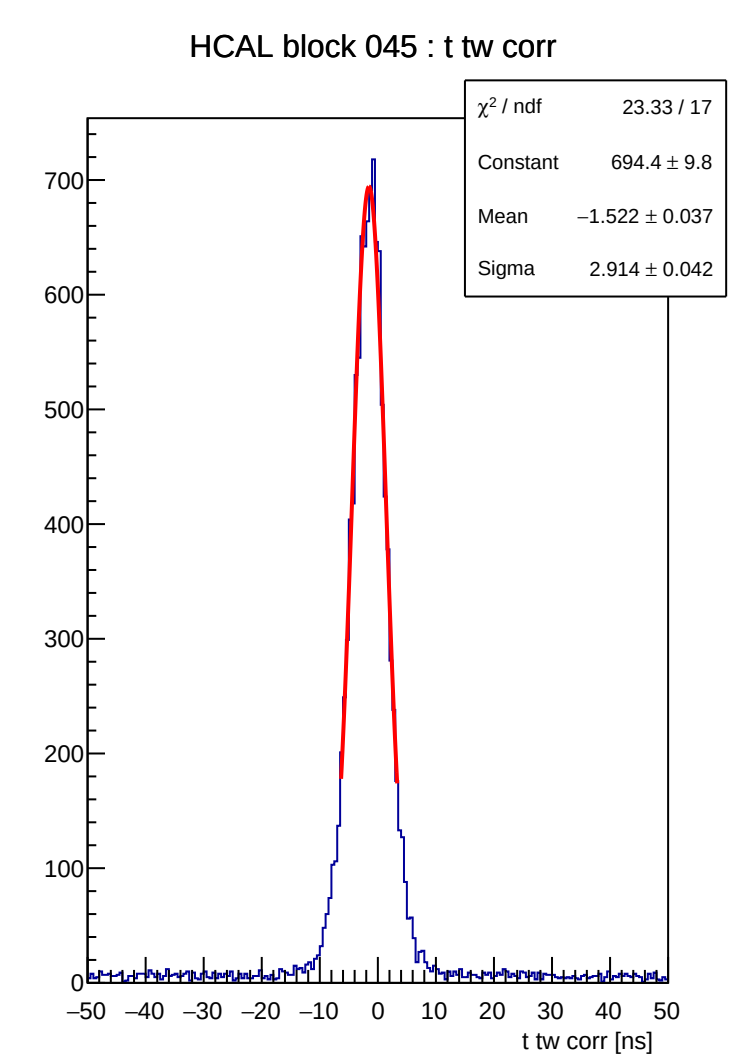

HCAL block 043 : t
χ² / ndf 150.4 / 17
Constant 815.5 ± 10.6
Mean 4.506 ± 0.036
Sigma 2.956 ± 0.041
t [ns]

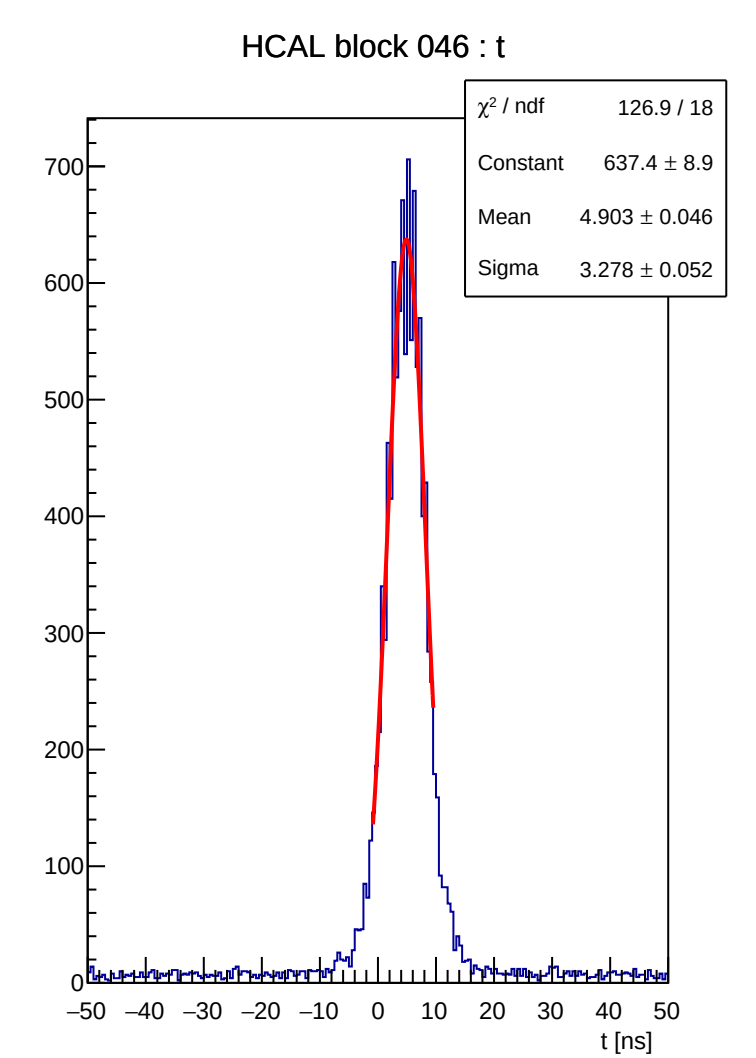

HCAL block 043 : t tw corr
χ² / ndf 15.44 / 17
Constant 843.6 ± 10.8
Mean −1.416 ± 0.034
Sigma 2.913 ± 0.039
t tw corr [ns]

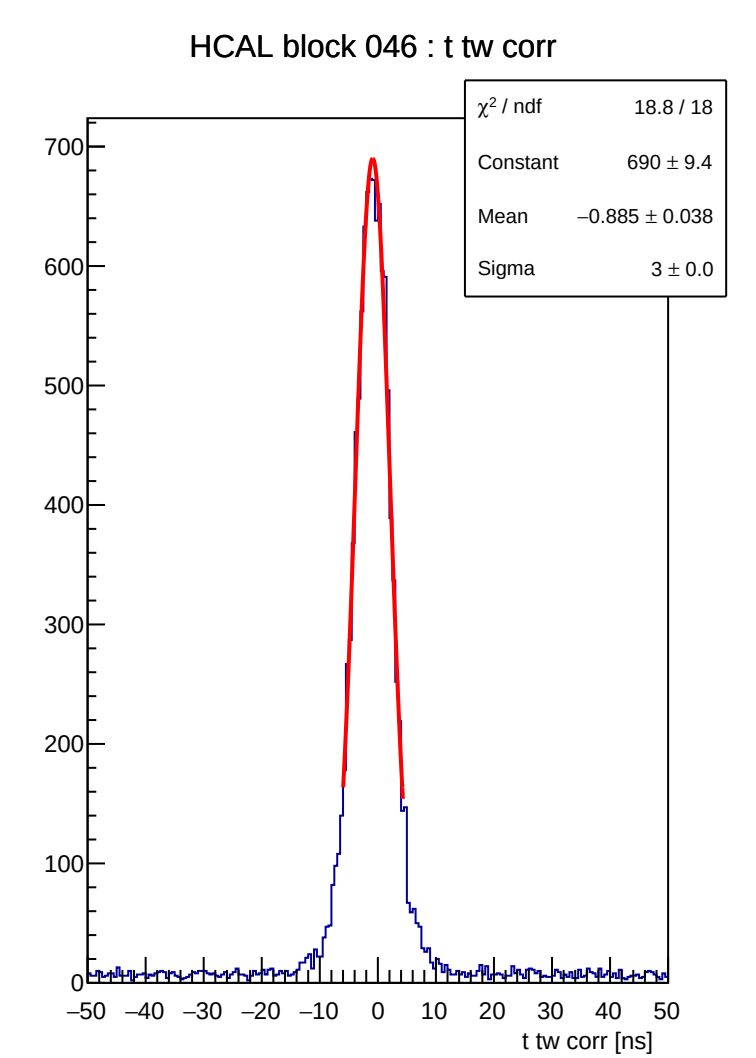

HCAL block 044 : t
χ² / ndf 139.4 / 17
Constant 751.7 ± 10.0
Mean 3.918 ± 0.037
Sigma 2.953 ± 0.041
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

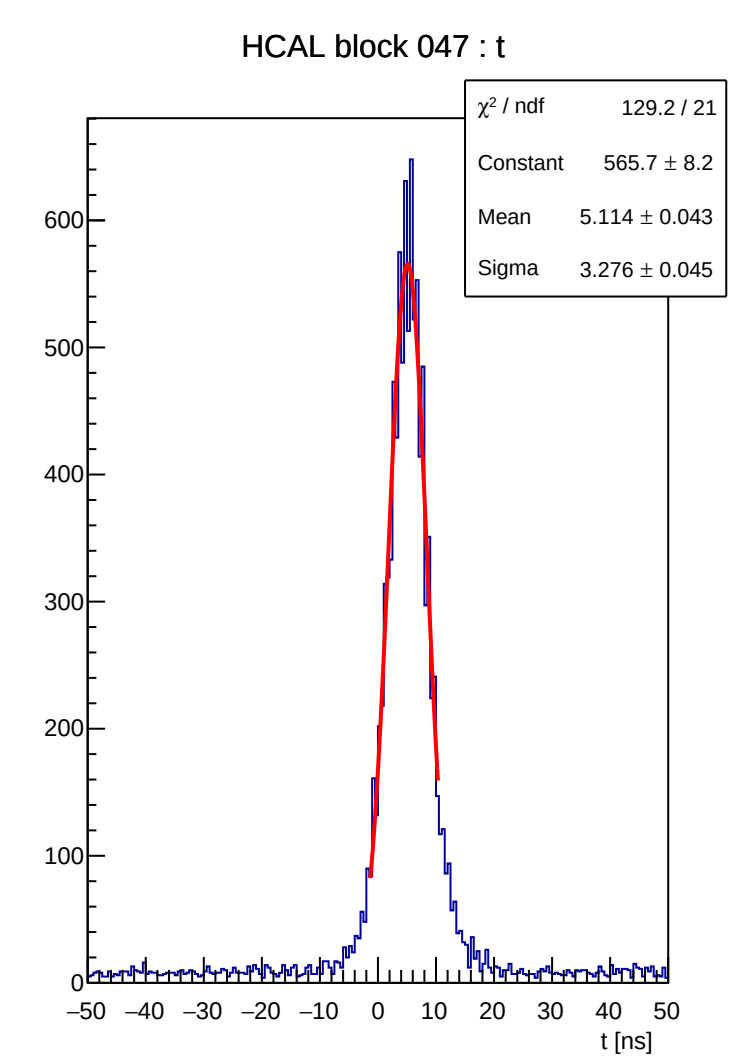

HCAL block 044 : t tw corr
χ² / ndf 18.85 / 16
Constant 797.6 ± 10.8
Mean –1.944 ± 0.035
Sigma 2.81± 0.04
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

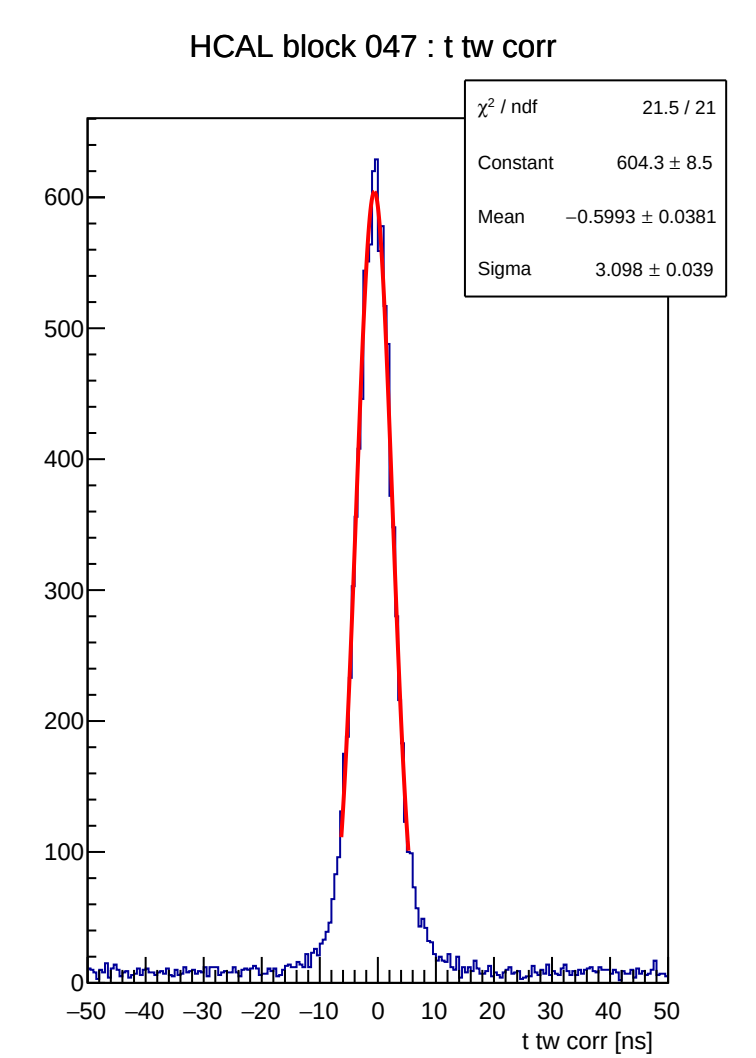

HCAL block 045 : t
χ² / ndf 153.9 / 17
Constant 656 ± 9.4
Mean 3.942 ± 0.041
Sigma 3.023 ± 0.047
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

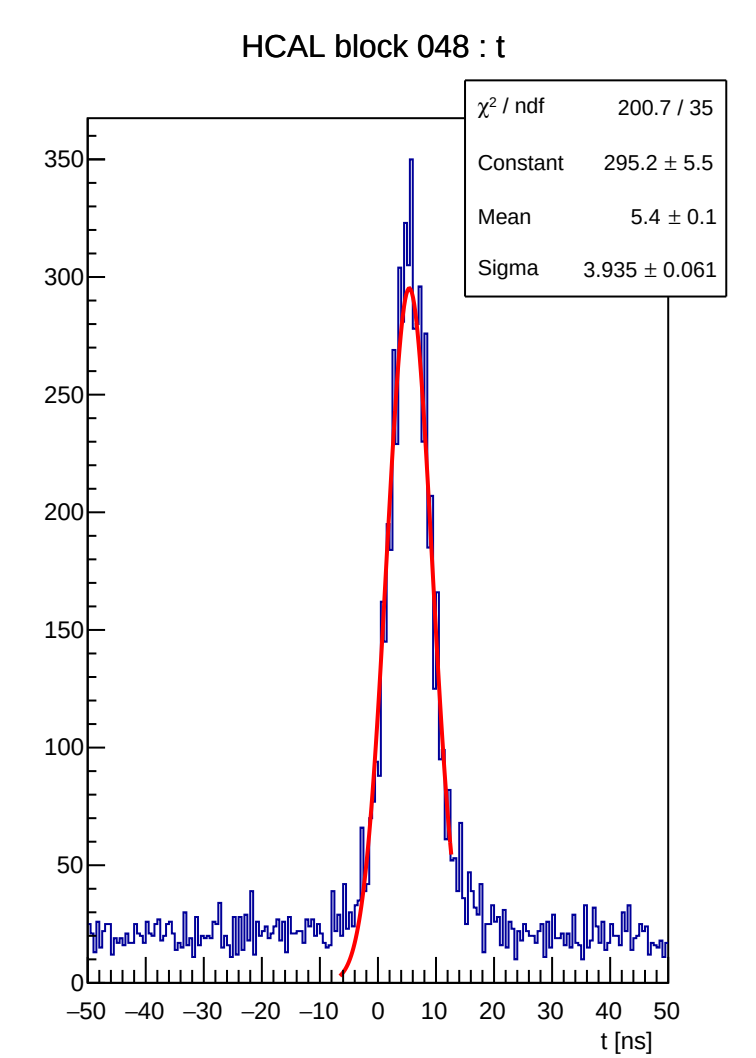

HCAL block 045 : t tw corr
χ² / ndf 23.33 / 17
Constant 694.4 ± 9.8
Mean –1.522 ± 0.037
Sigma 2.914 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

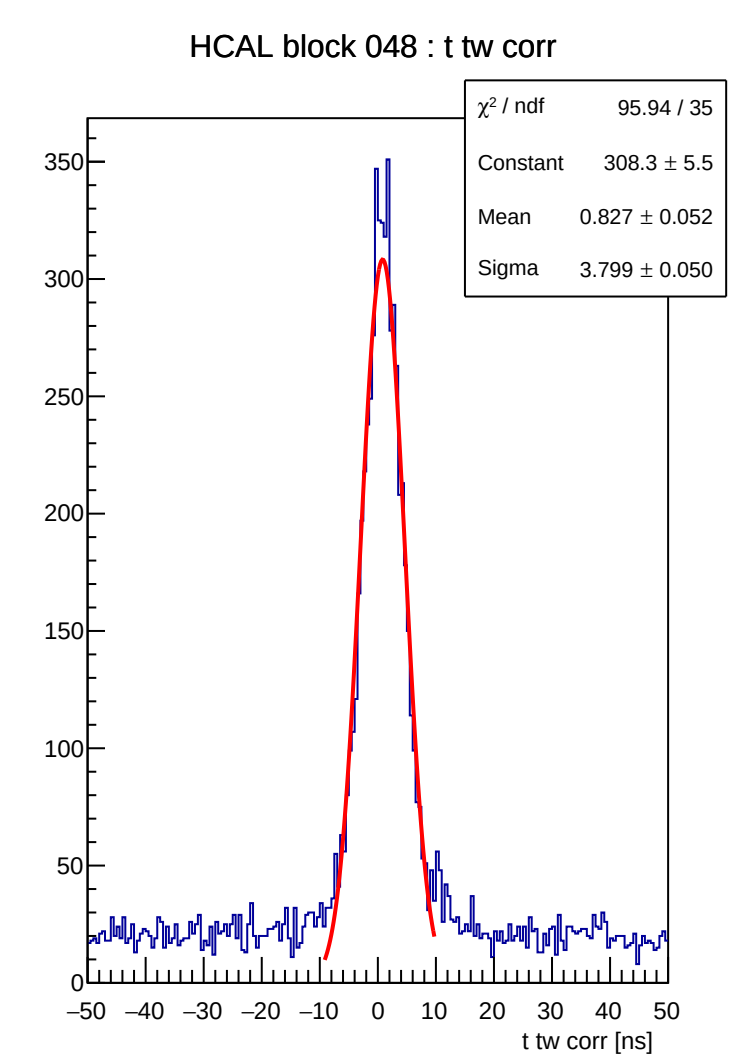

HCAL block 046 : t
χ² / ndf 126.9 / 18
Constant 637.4 ± 8.9
Mean 4.903 ± 0.046
Sigma 3.278 ± 0.052
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

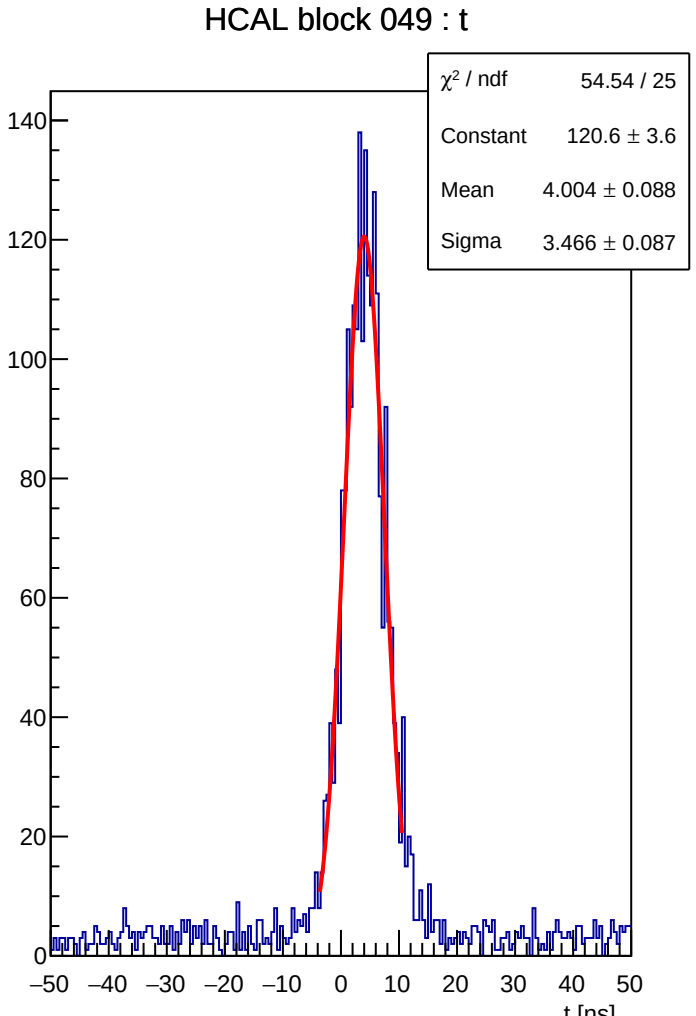

HCAL block 046 : t tw corr
χ² / ndf 18.8 / 18
Constant 690 ± 9.4
Mean –0.885 ± 0.038
Sigma 3 ± 0.0
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

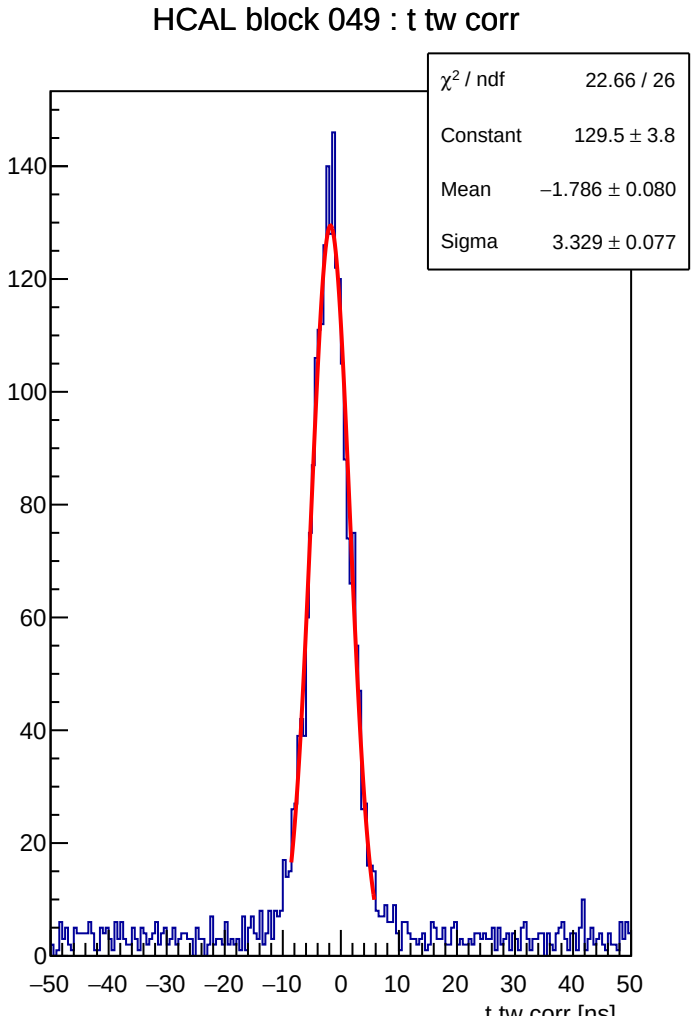

HCAL block 047 : t
χ² / ndf 129.2 / 21
Constant 565.7 ± 8.2
Mean 5.114 ± 0.043
Sigma 3.276 ± 0.045
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

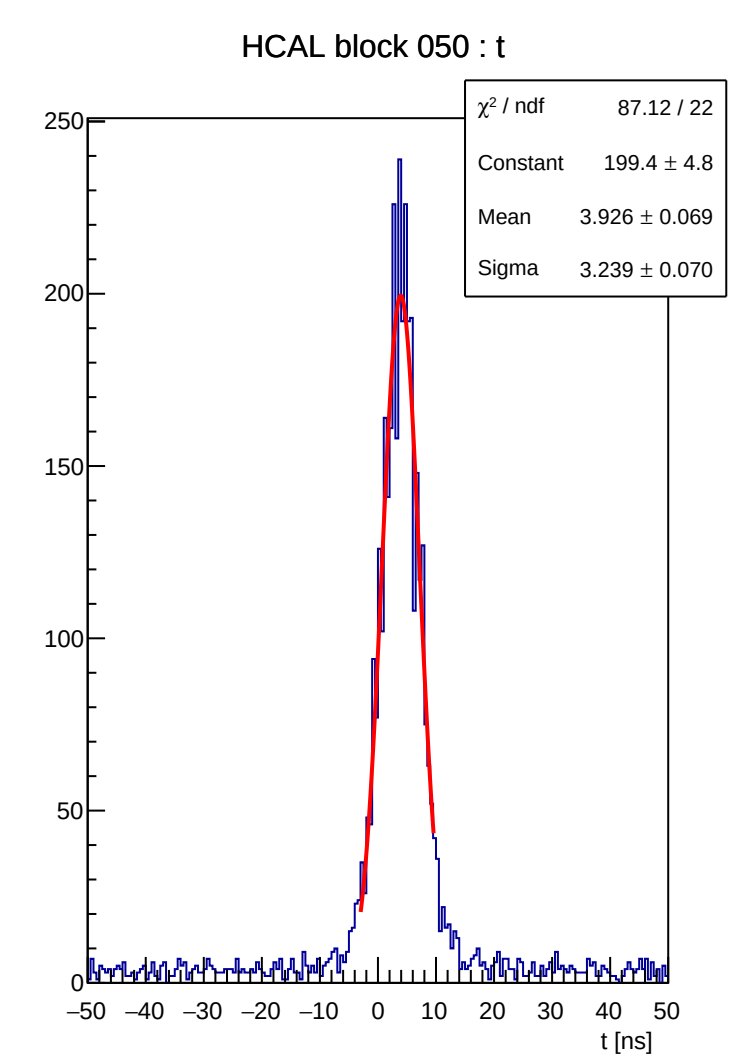

HCAL block 047 : t tw corr
χ² / ndf 21.5 / 21
Constant 604.3 ± 8.5
Mean −0.5993 ± 0.0381
Sigma 3.098 ± 0.039
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

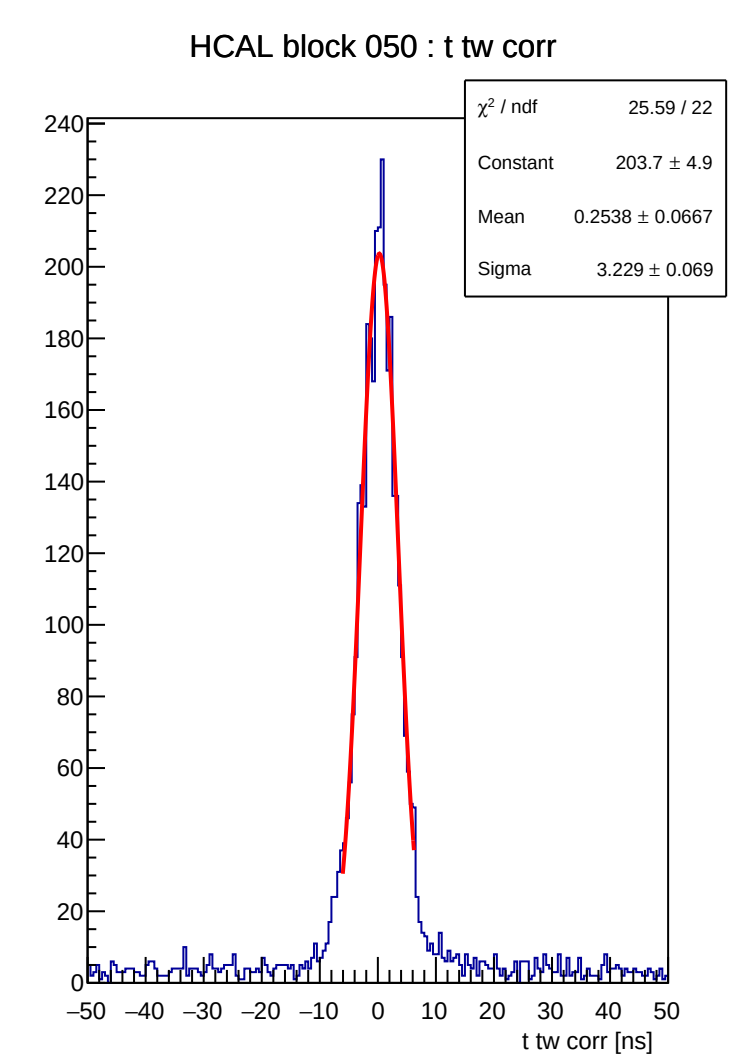

HCAL block 048 : t
χ² / ndf 200.7 / 35
Constant 295.2 ± 5.5
Mean 5.4 ± 0.1
Sigma 3.935 ± 0.061
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

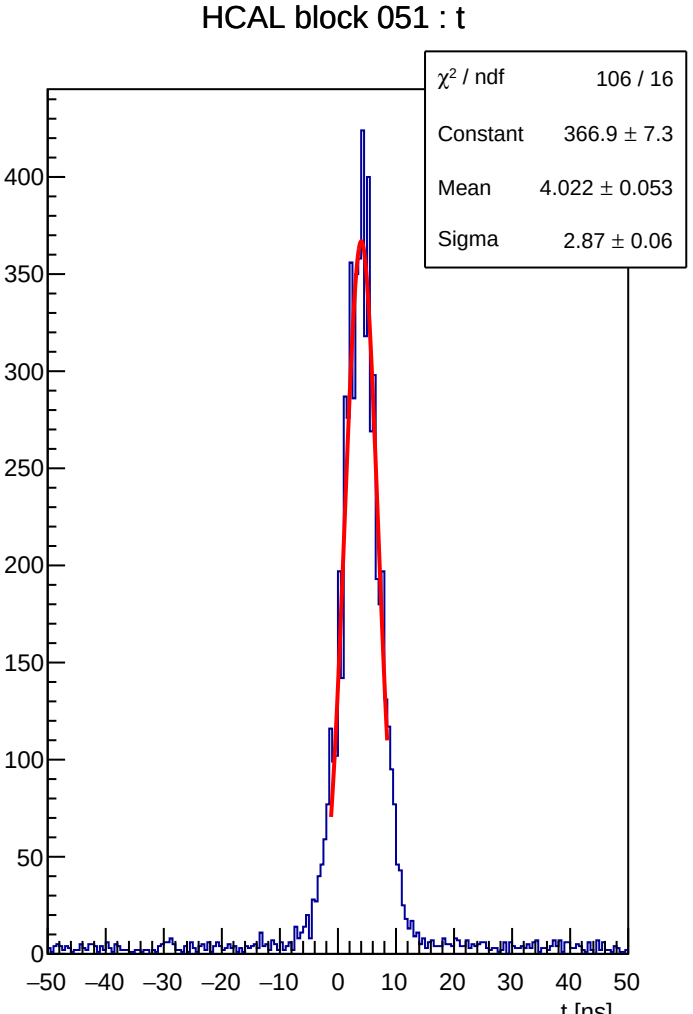

HCAL block 048 : t tw corr
χ² / ndf 95.94 / 35
Constant 308.3 ± 5.5
Mean 0.827 ± 0.052
Sigma 3.799 ± 0.050
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

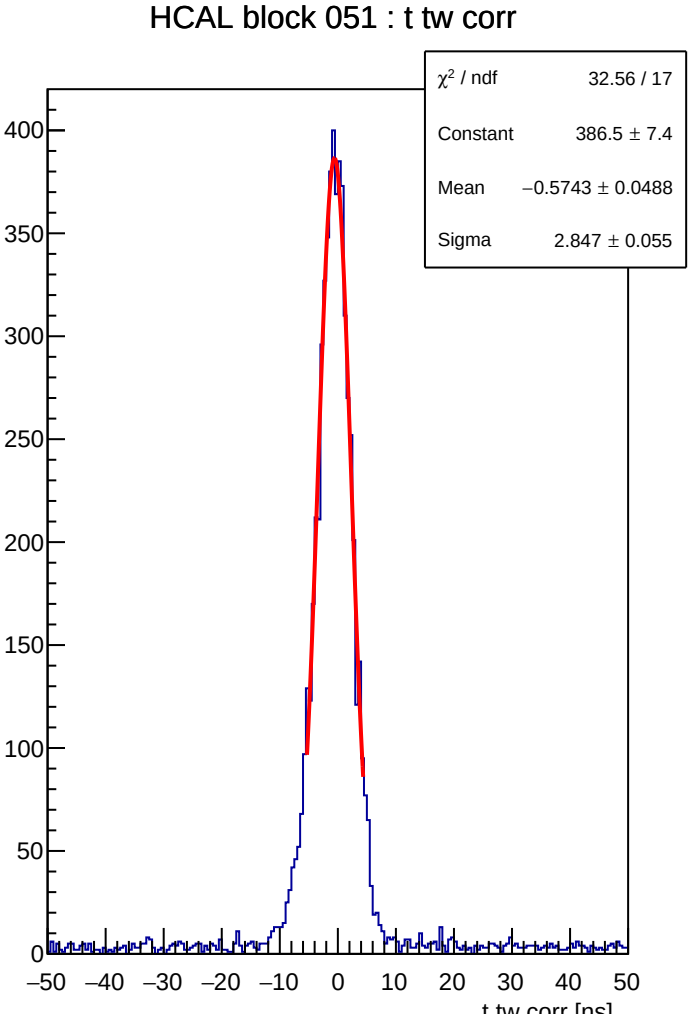

HCAL block 049 : t
χ² / ndf 54.54 / 25
Constant 120.6 ± 3.6
Mean 4.004 ± 0.088
Sigma 3.466 ± 0.087
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

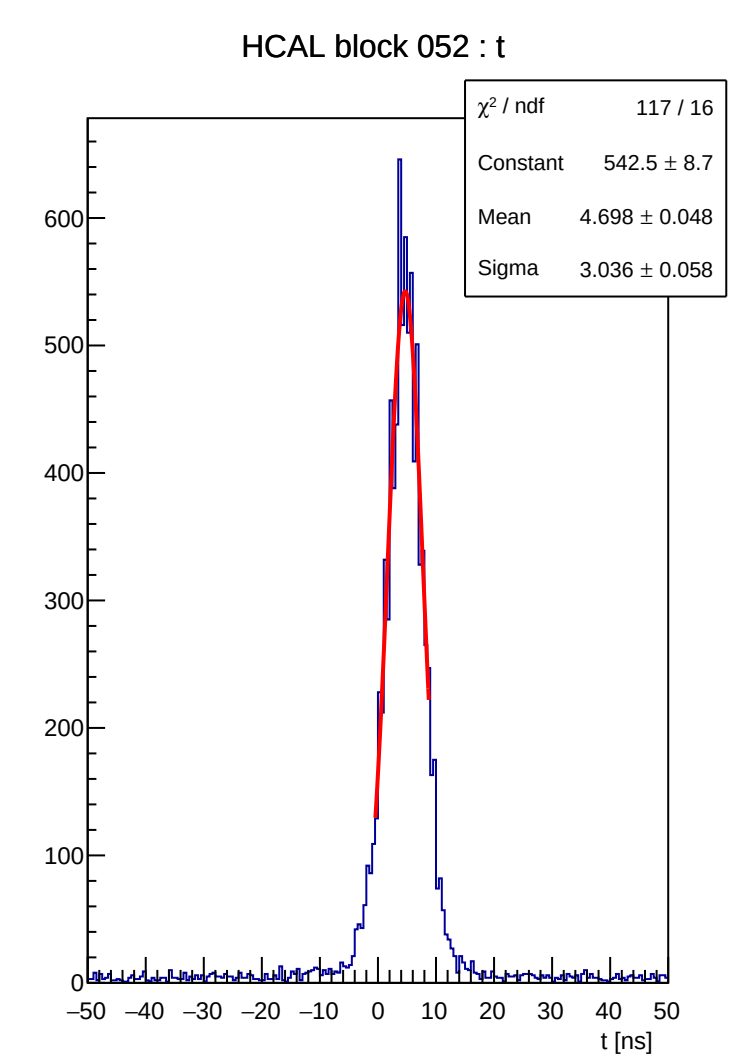

HCAL block 049 : t tw corr
χ² / ndf 22.66 / 26
Constant 129.5 ± 3.8
Mean –1.786 ± 0.080
Sigma 3.329 ± 0.077
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

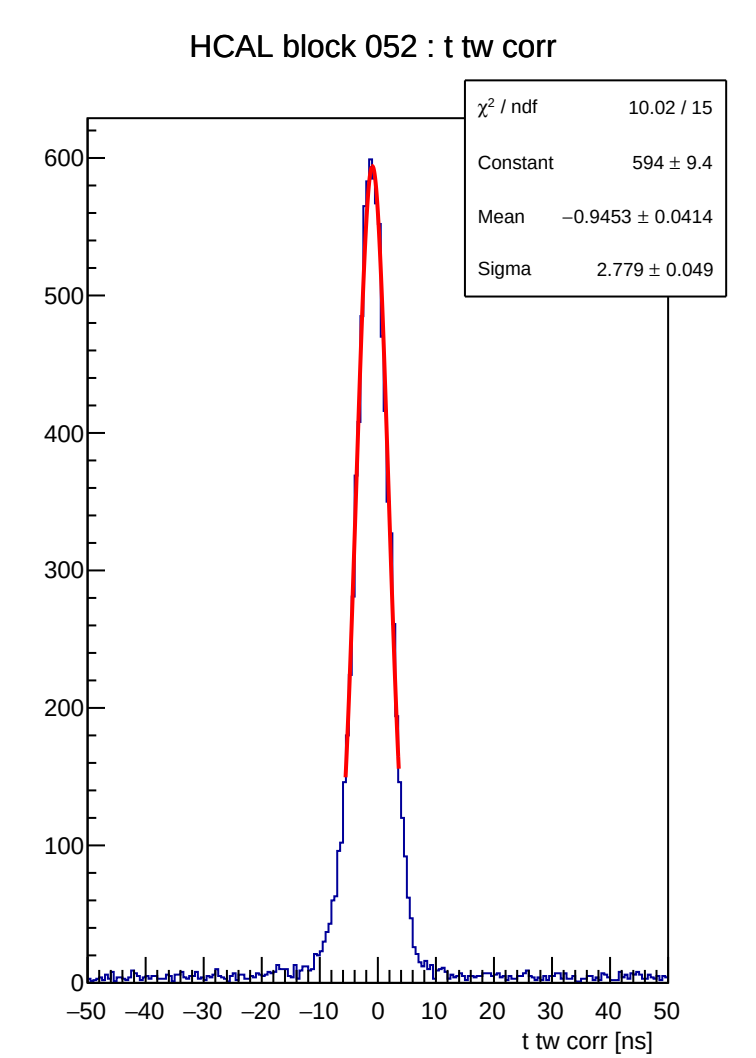

HCAL block 050 : t
χ² / ndf 87.12 / 22
Constant 199.4 ± 4.8
Mean 3.926 ± 0.069
Sigma 3.239 ± 0.070
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

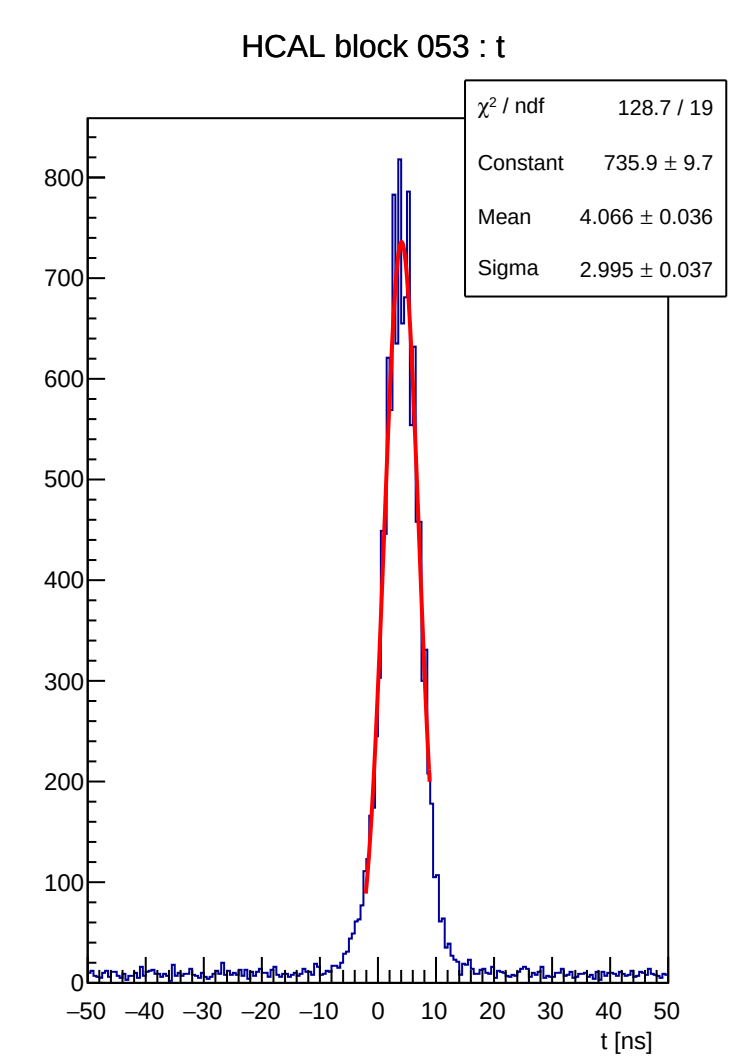

HCAL block 050 : t tw corr
χ² / ndf 25.59 / 22
Constant 203.7 ± 4.9
Mean 0.2538 ± 0.0667
Sigma 3.229 ± 0.069
240
220
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

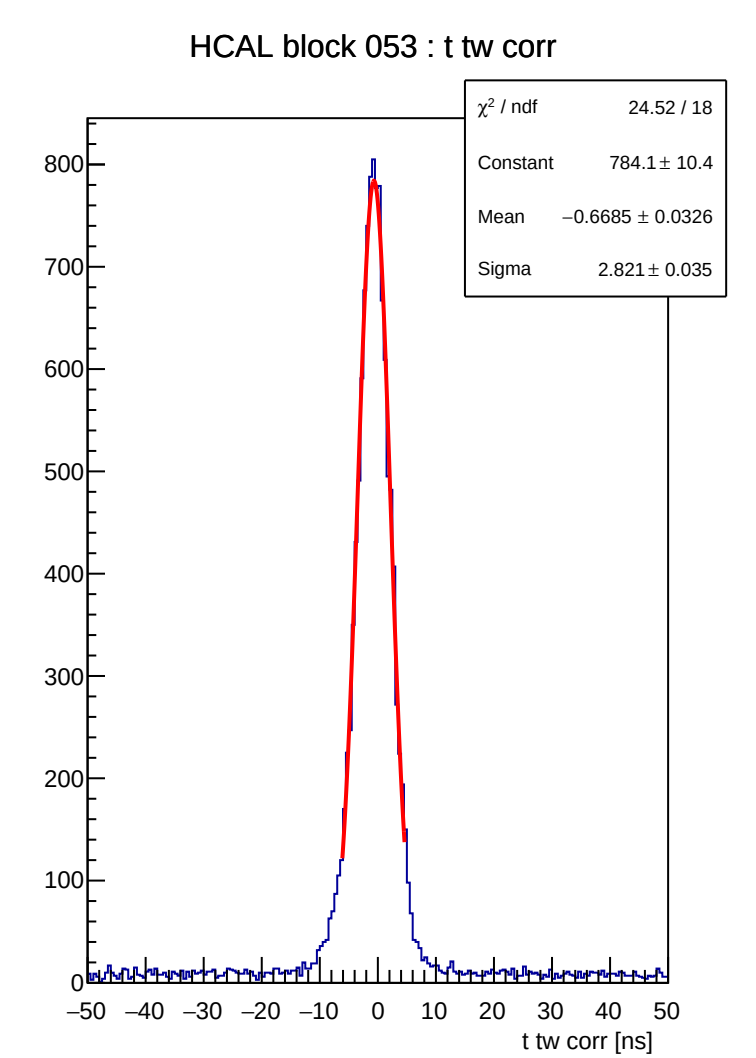

HCAL block 051 : t
χ² / ndf 106 / 16
Constant 366.9 ± 7.3
Mean 4.022 ± 0.053
Sigma 2.87 ± 0.06
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

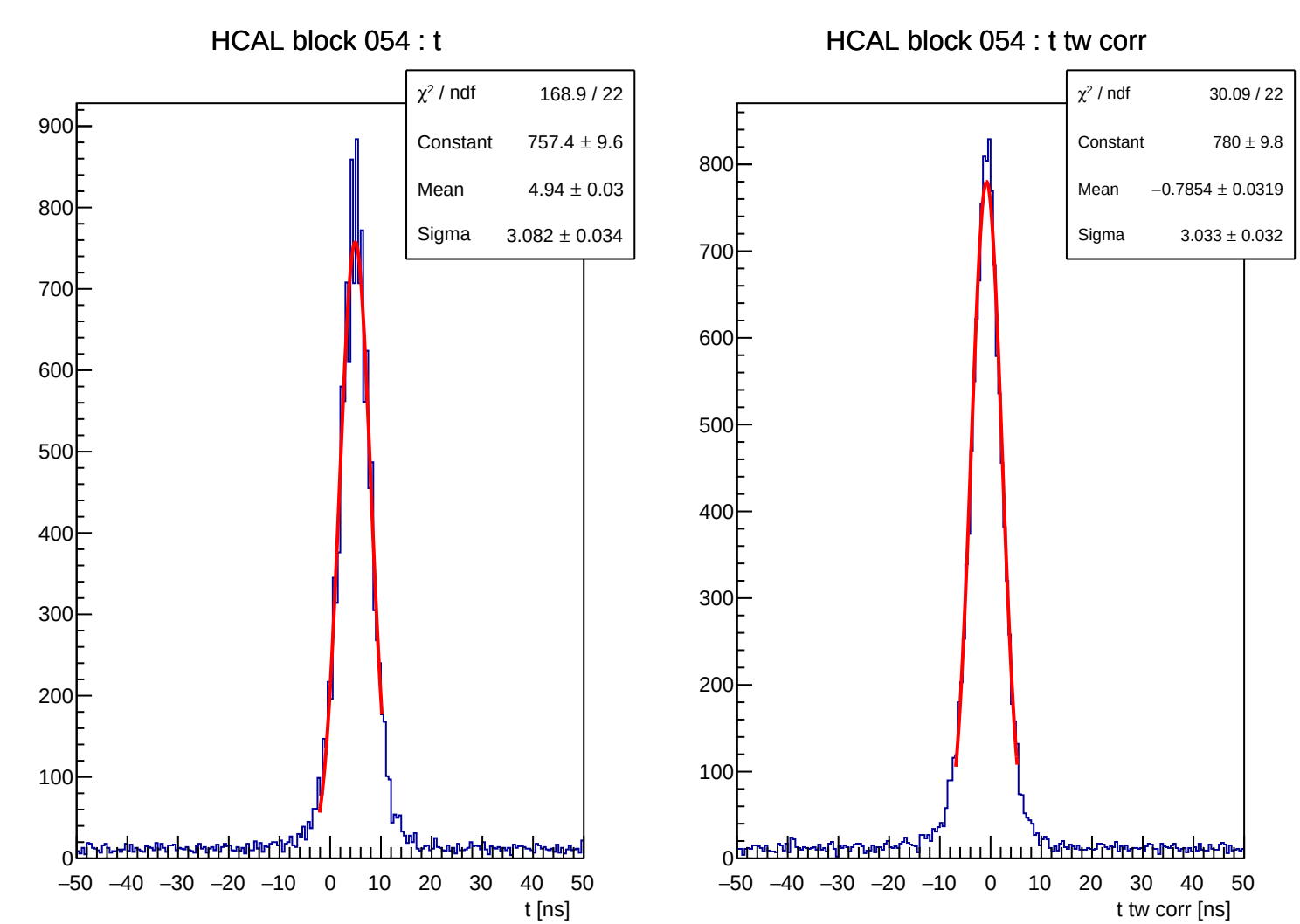

HCAL block 051 : t tw corr
χ² / ndf 32.56 / 17
Constant 386.5 ± 7.4
Mean −0.5743 ± 0.0488
Sigma 2.847 ± 0.055
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

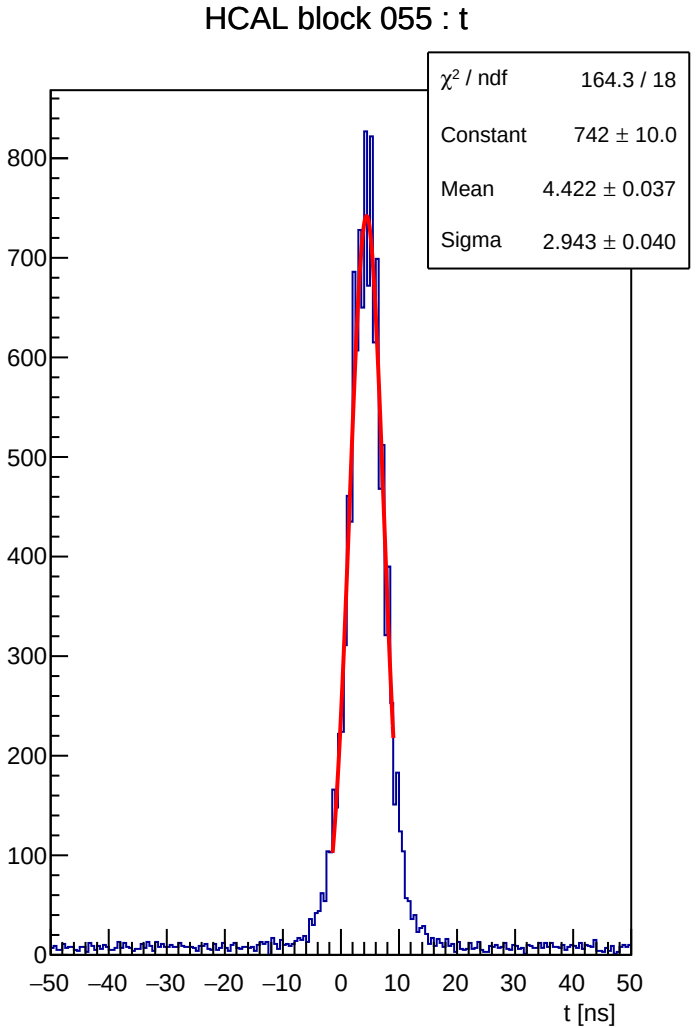

HCAL block 052 : t
χ² / ndf 117 / 16
Constant 542.5 ± 8.7
Mean 4.698 ± 0.048
Sigma 3.036 ± 0.058
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

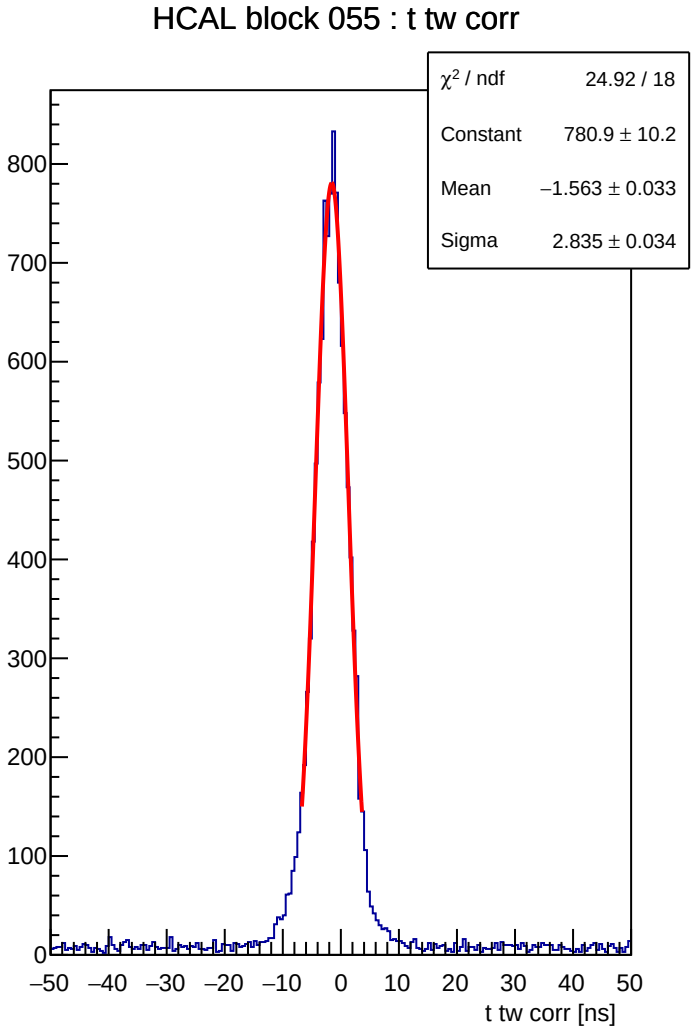

HCAL block 052 : t tw corr
χ² / ndf 10.02 / 15
Constant 594 ± 9.4
Mean −0.9453 ± 0.0414
Sigma 2.779 ± 0.049
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

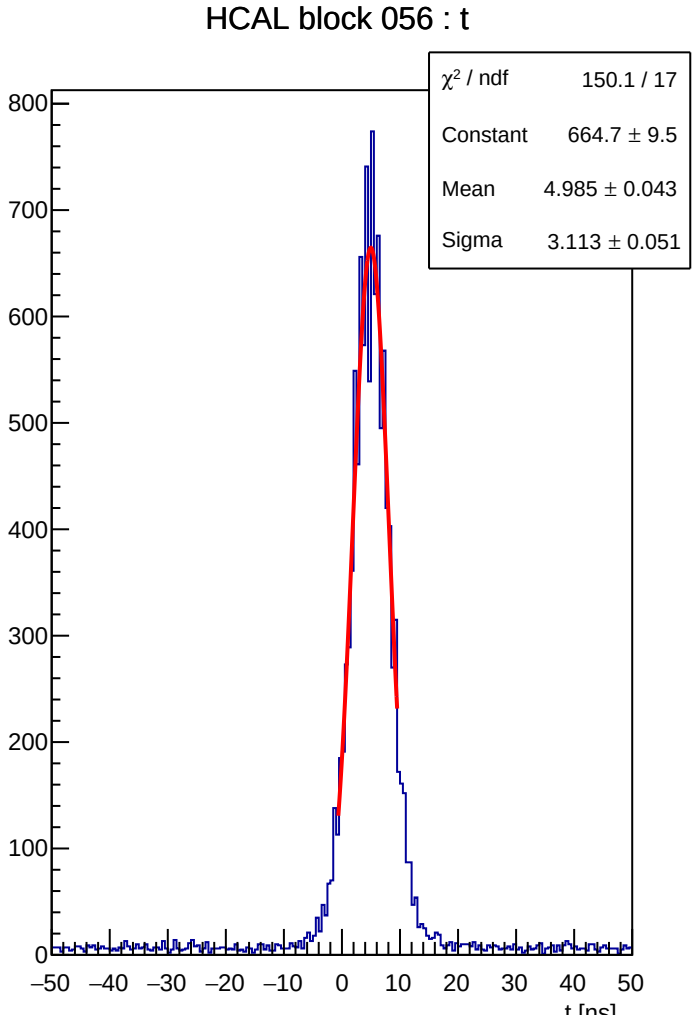

HCAL block 053 : t
χ² / ndf 128.7 / 19
Constant 735.9 ± 9.7
Mean 4.066 ± 0.036
Sigma 2.995 ± 0.037
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

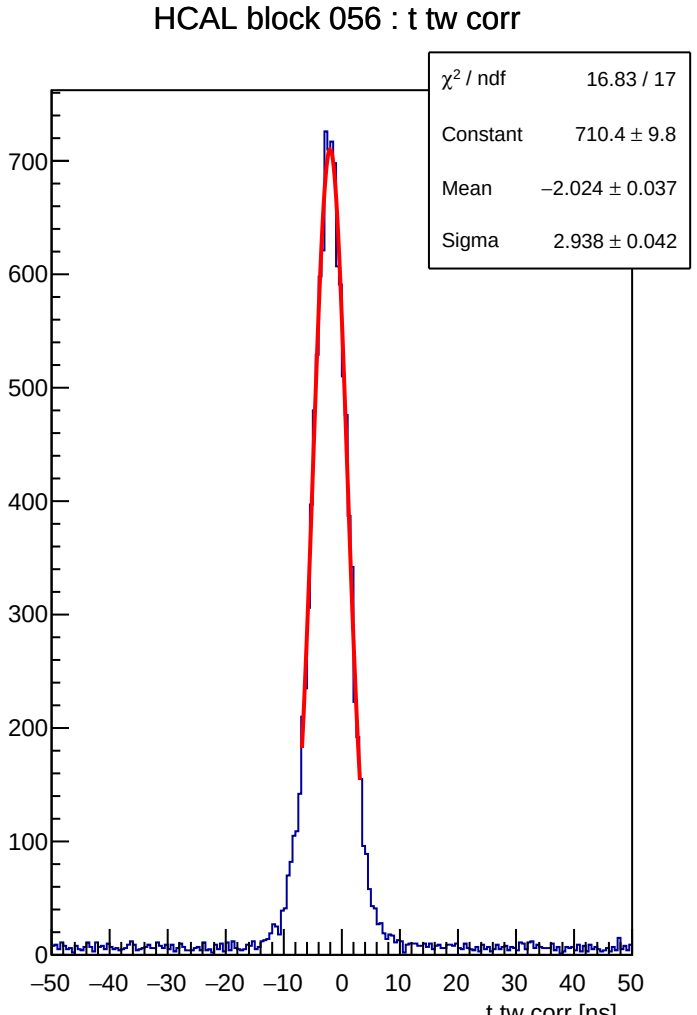

HCAL block 053 : t tw corr
χ² / ndf 24.52 / 18
Constant 784.1 ± 10.4
Mean −0.6685 ± 0.0326
Sigma 2.821 ± 0.035
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

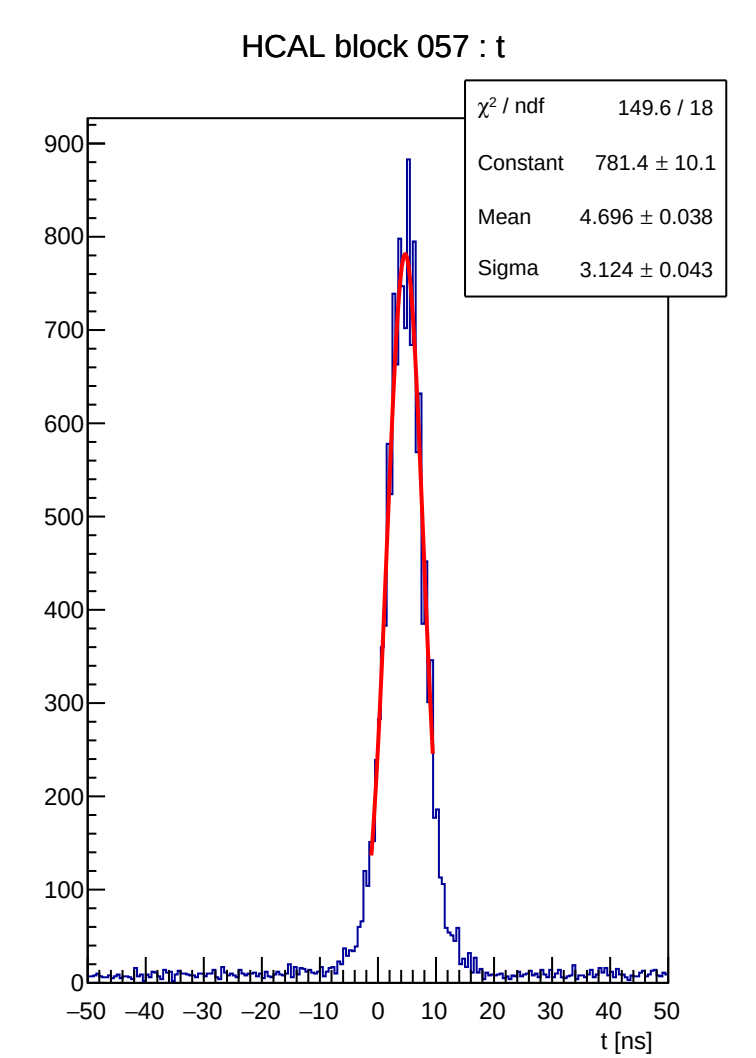

HCAL block 054 : t
χ² / ndf 168.9 / 22
Constant 757.4 ± 9.6
Mean 4.94 ± 0.03
Sigma 3.082 ± 0.034
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 054 : t tw corr
χ² / ndf 30.09 / 22
Constant 780 ± 9.8
Mean −0.7854 ± 0.0319
Sigma 3.033 ± 0.032
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

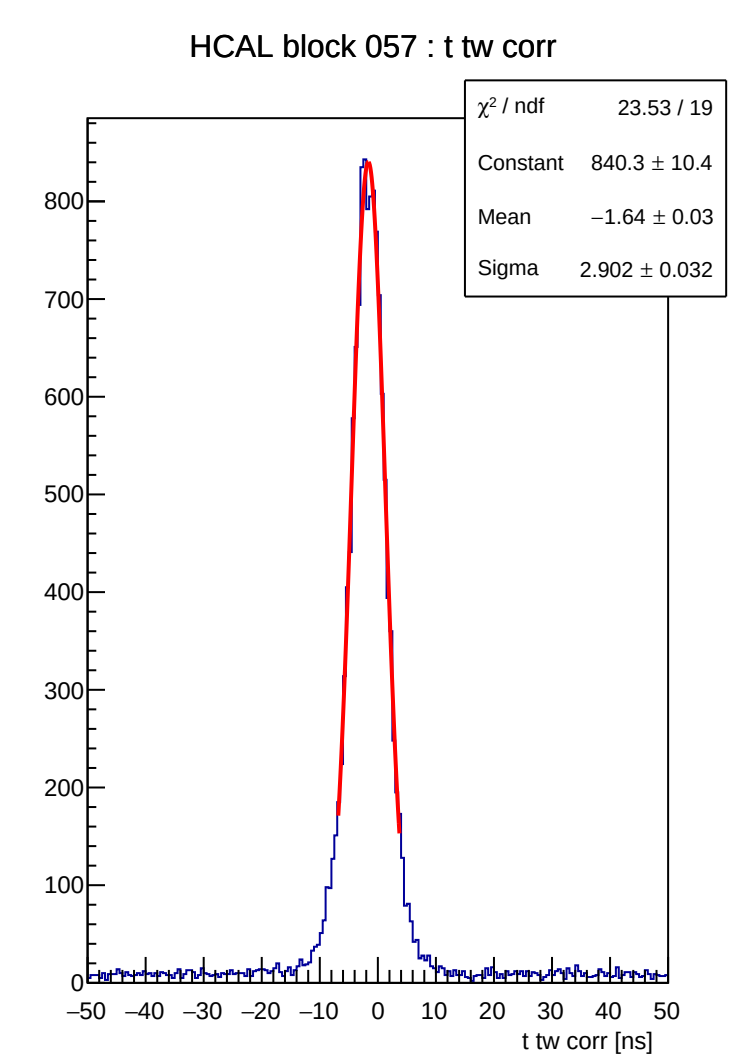

HCAL block 055 : t
χ² / ndf 164.3 / 18
Constant 742 ± 10.0
Mean 4.422 ± 0.037
Sigma 2.943 ± 0.040
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

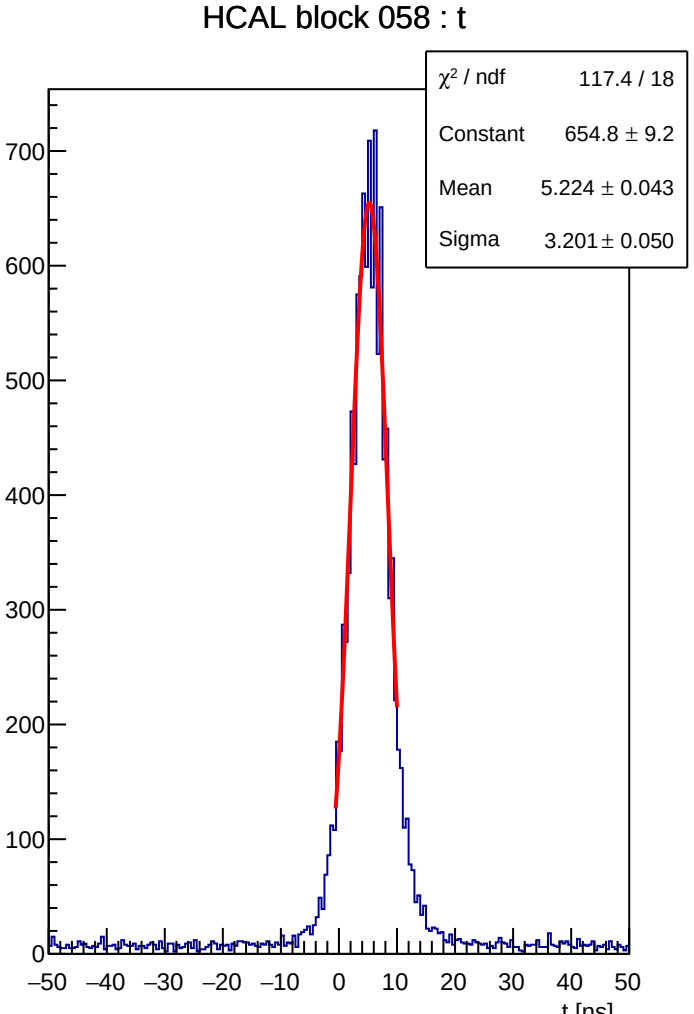

HCAL block 055 : t tw corr
χ² / ndf 24.92 / 18
Constant 780.9 ± 10.2
Mean –1.563 ± 0.033
Sigma 2.835 ± 0.034
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

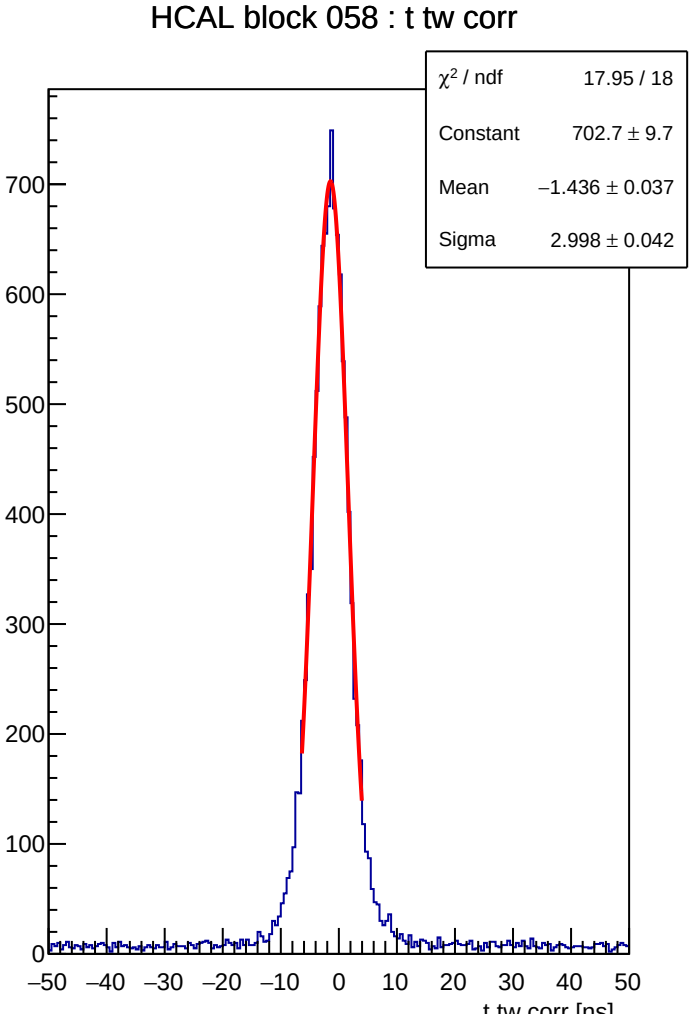

HCAL block 056 : t
χ² / ndf 150.1 / 17
Constant 664.7 ± 9.5
Mean 4.985 ± 0.043
Sigma 3.113 ± 0.051
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

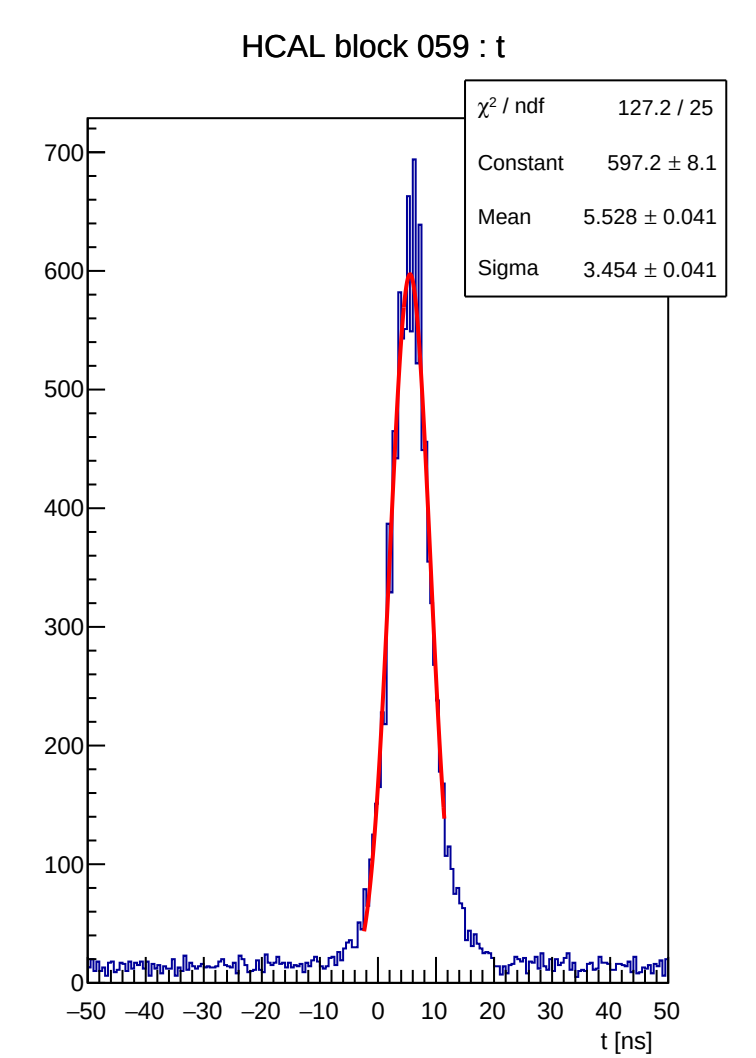

HCAL block 056 : t tw corr
χ² / ndf 16.83 / 17
Constant 710.4 ± 9.8
Mean –2.024 ± 0.037
Sigma 2.938 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

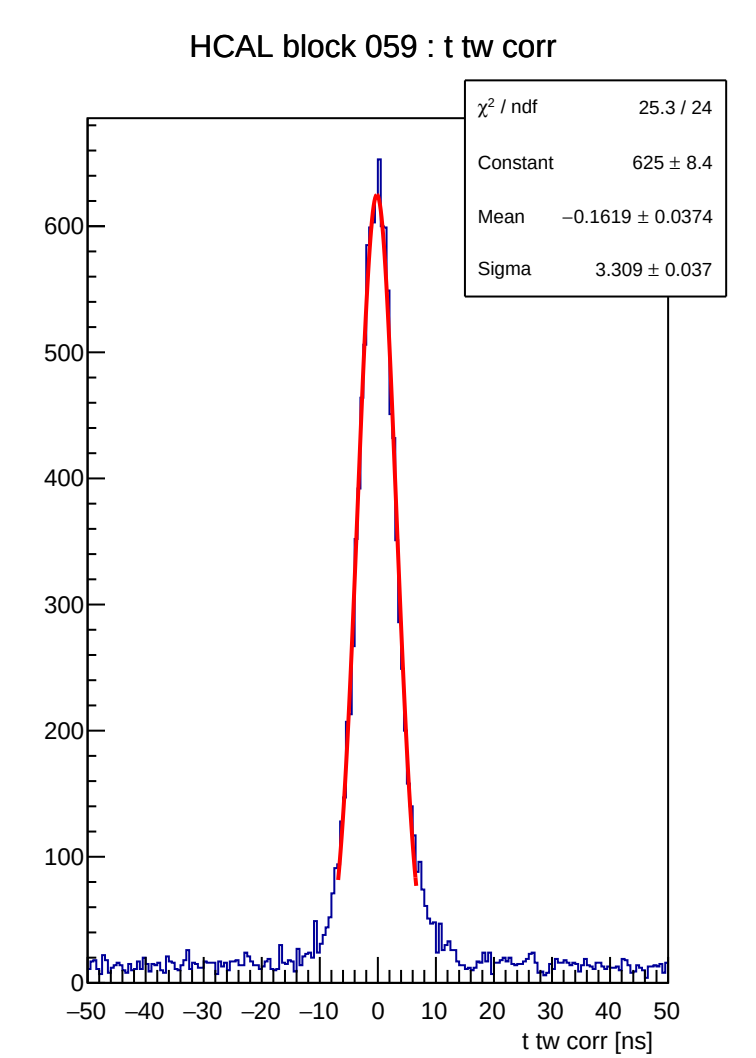

HCAL block 057 : t
χ² / ndf 149.6 / 18
Constant 781.4 ± 10.1
Mean 4.696 ± 0.038
Sigma 3.124 ± 0.043
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

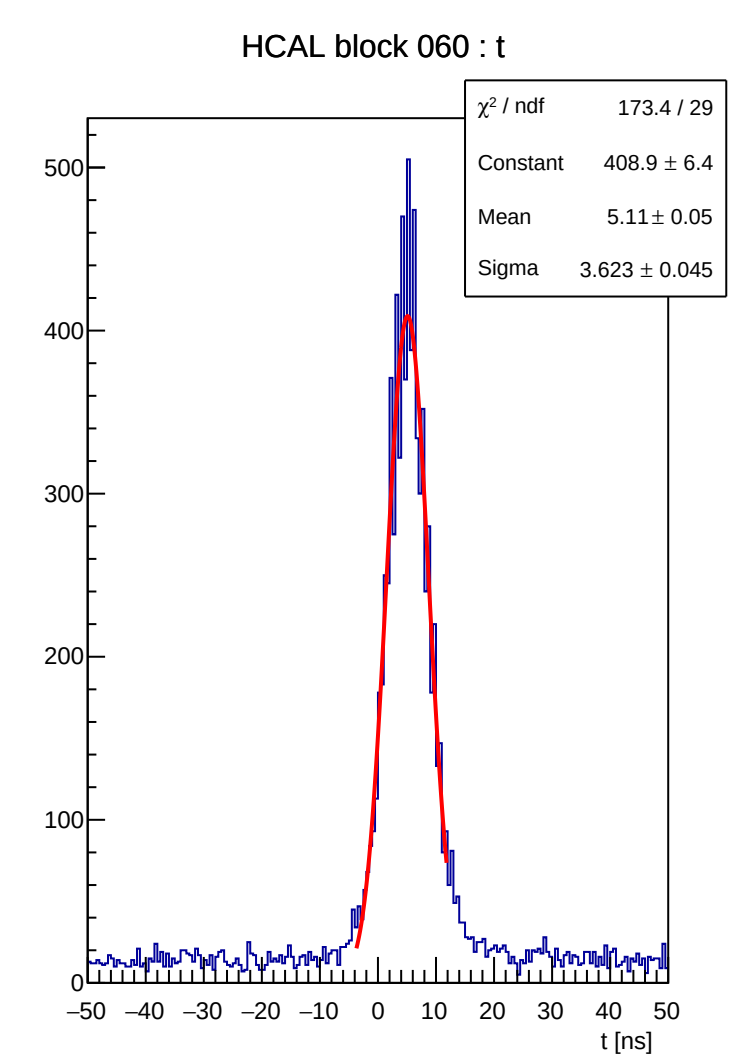

HCAL block 057 : t tw corr
χ² / ndf 23.53 / 19
Constant 840.3 ± 10.4
Mean –1.64 ± 0.03
Sigma 2.902 ± 0.032
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

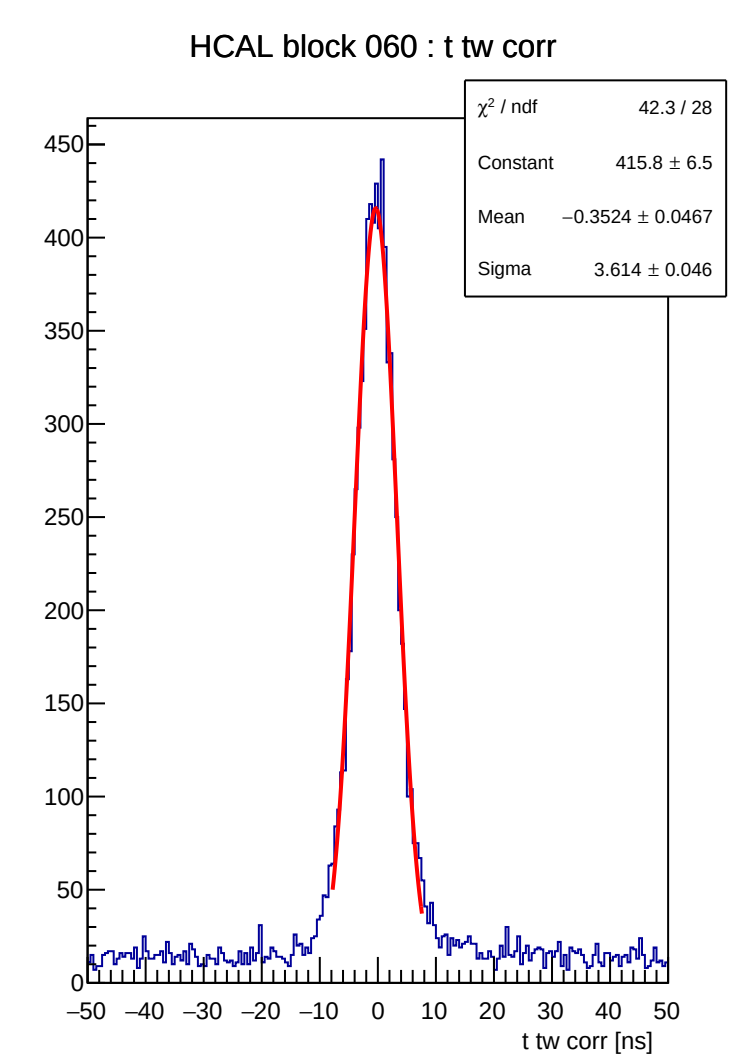

HCAL block 058 : t
χ² / ndf 117.4 / 18
Constant 654.8 ± 9.2
Mean 5.224 ± 0.043
Sigma 3.201 ± 0.050
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

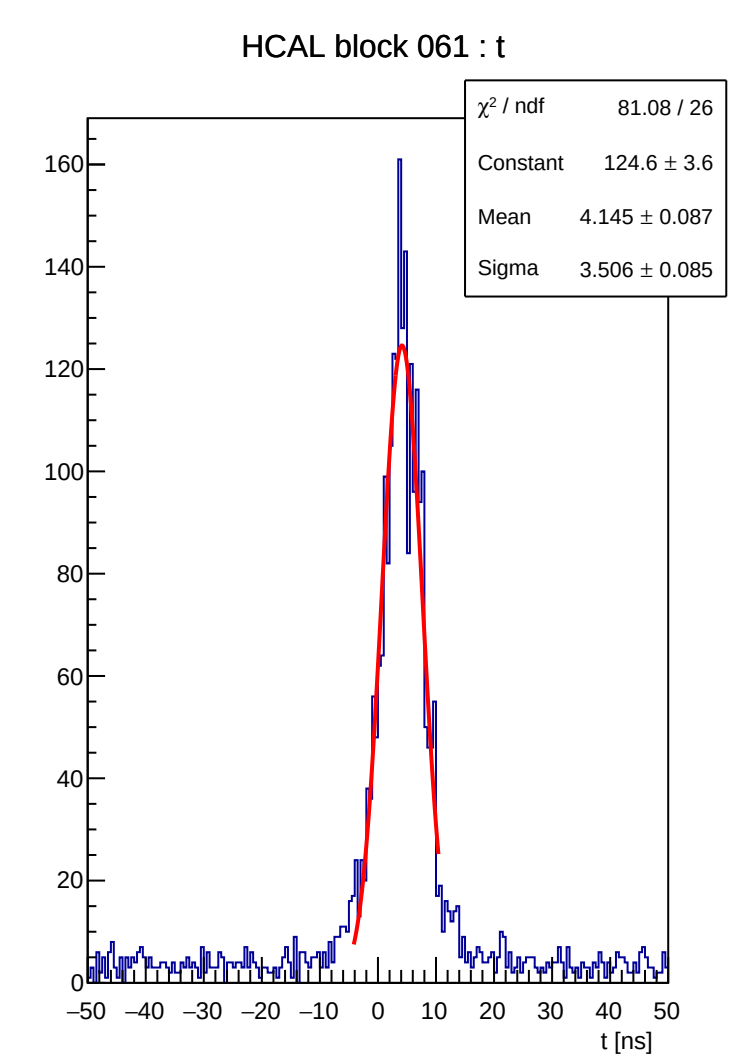

HCAL block 058 : t tw corr
χ² / ndf 17.95 / 18
Constant 702.7 ± 9.7
Mean –1.436 ± 0.037
Sigma 2.998 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

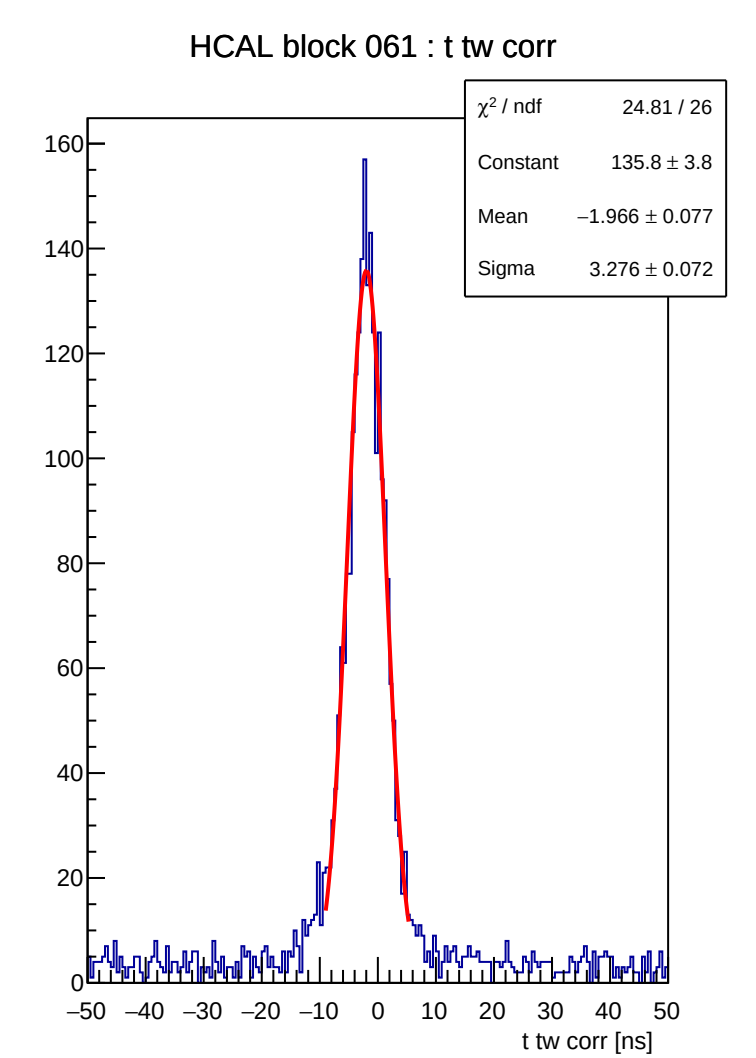

HCAL block 059 : t
χ² / ndf 127.2 / 25
Constant 597.2 ± 8.1
Mean 5.528 ± 0.041
Sigma 3.454 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

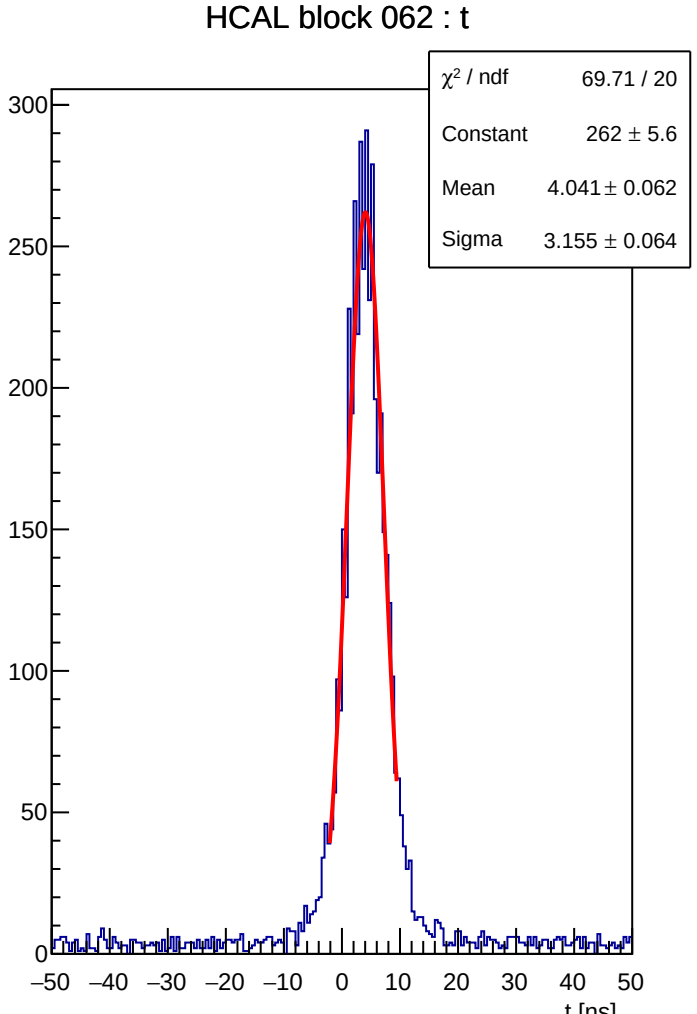

HCAL block 059 : t tw corr
χ² / ndf 25.3 / 24
Constant 625 ± 8.4
Mean −0.1619 ± 0.0374
Sigma 3.309 ± 0.037
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

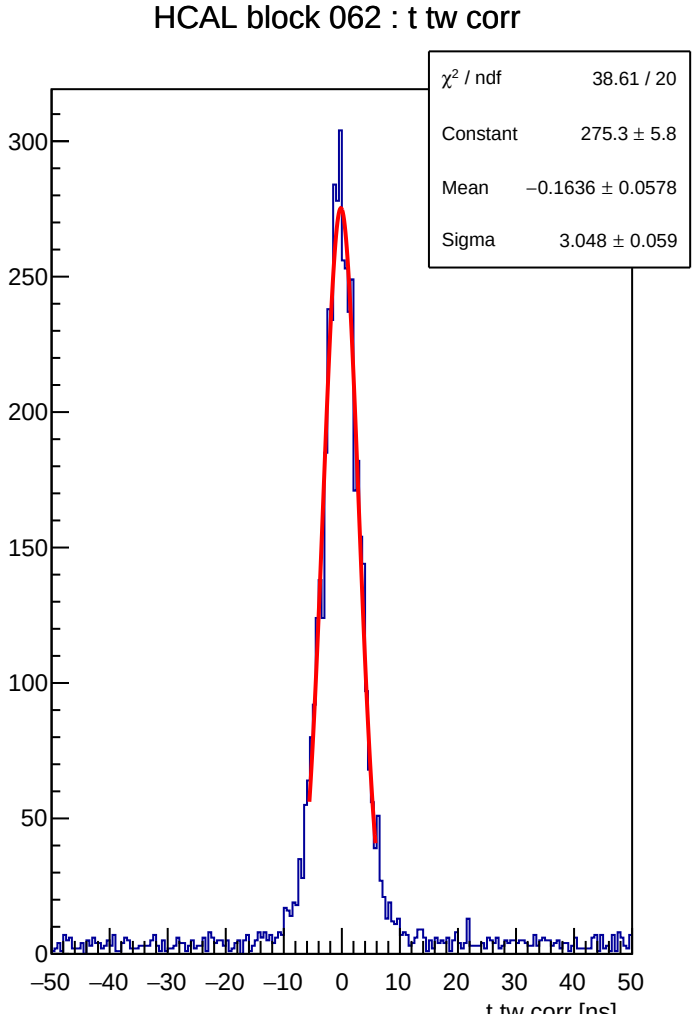

HCAL block 060 : t
χ² / ndf 173.4 / 29
Constant 408.9 ± 6.4
Mean 5.11 ± 0.05
Sigma 3.623 ± 0.045
500
400
300
200
100
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t [ns]

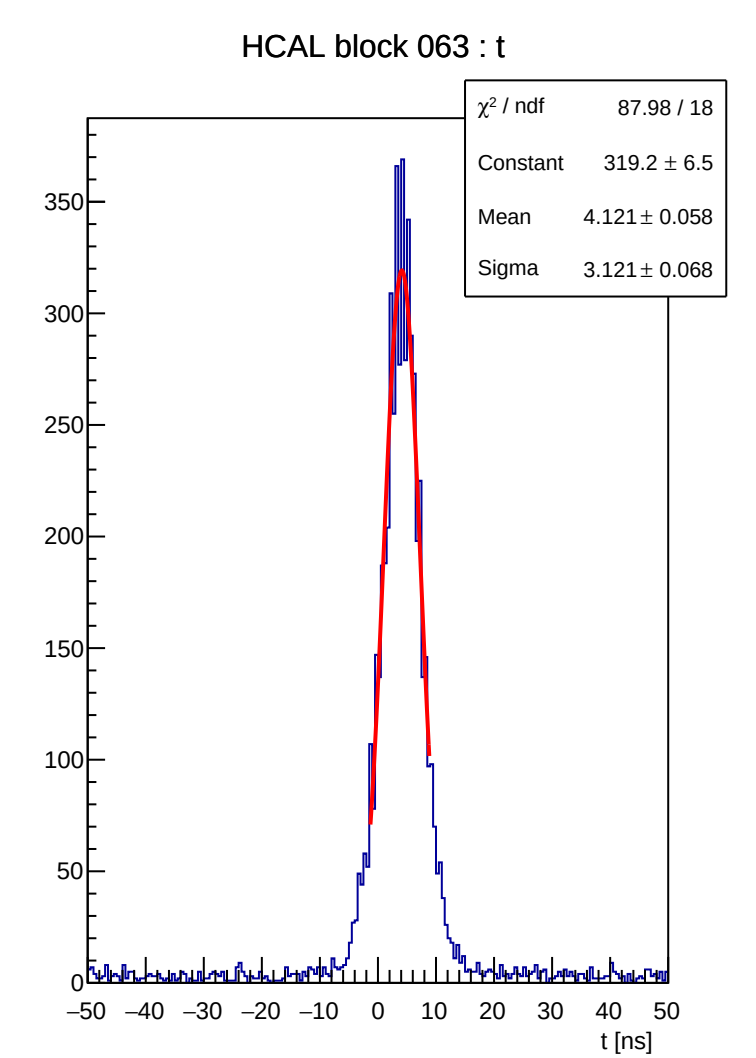

HCAL block 060 : t tw corr
χ² / ndf 42.3 / 28
Constant 415.8 ± 6.5
Mean −0.3524 ± 0.0467
Sigma 3.614 ± 0.046
450
400
350
300
250
200
150
100
50
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t tw corr [ns]

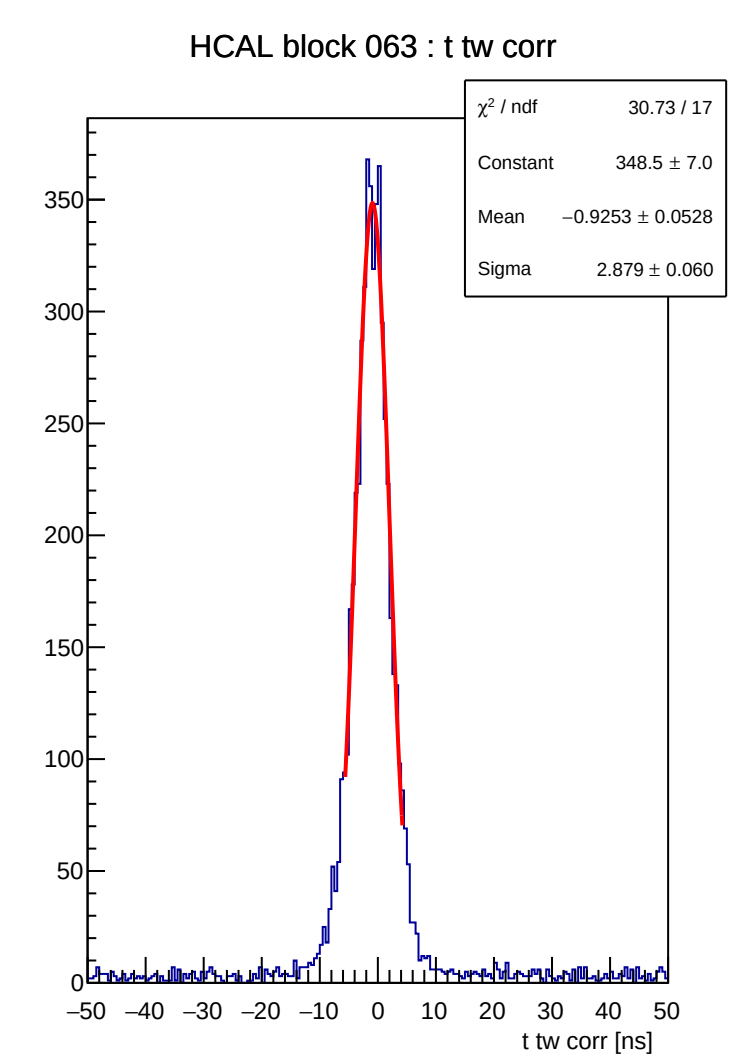

HCAL block 061 : t
χ² / ndf 81.08 / 26
Constant 124.6 ± 3.6
Mean 4.145 ± 0.087
Sigma 3.506 ± 0.085
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

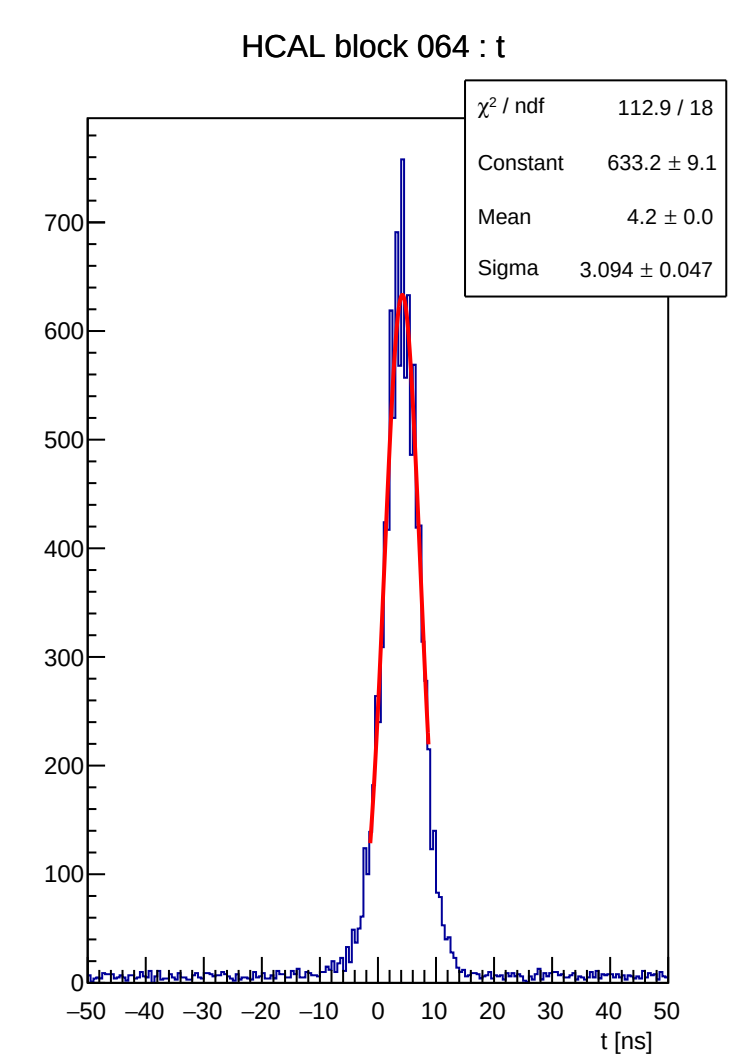

HCAL block 061 : t tw corr
χ² / ndf 24.81 / 26
Constant 135.8 ± 3.8
Mean –1.966 ± 0.077
Sigma 3.276 ± 0.072
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

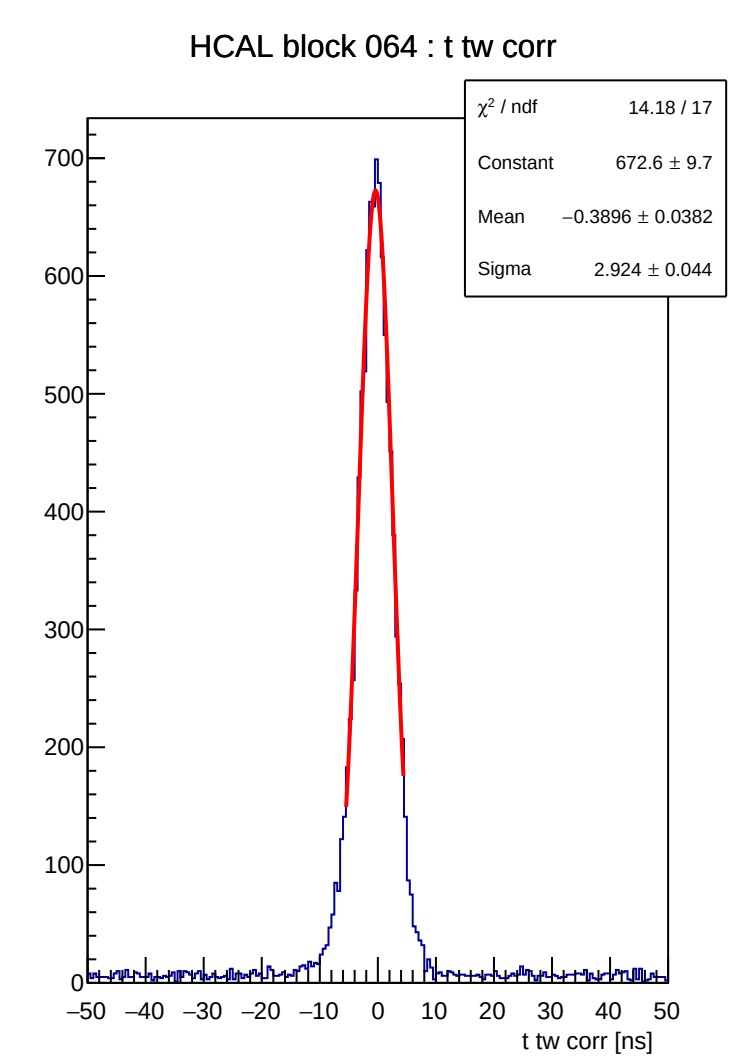

HCAL block 062 : t
χ² / ndf 69.71 / 20
Constant 262 ± 5.6
Mean 4.041 ± 0.062
Sigma 3.155 ± 0.064
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

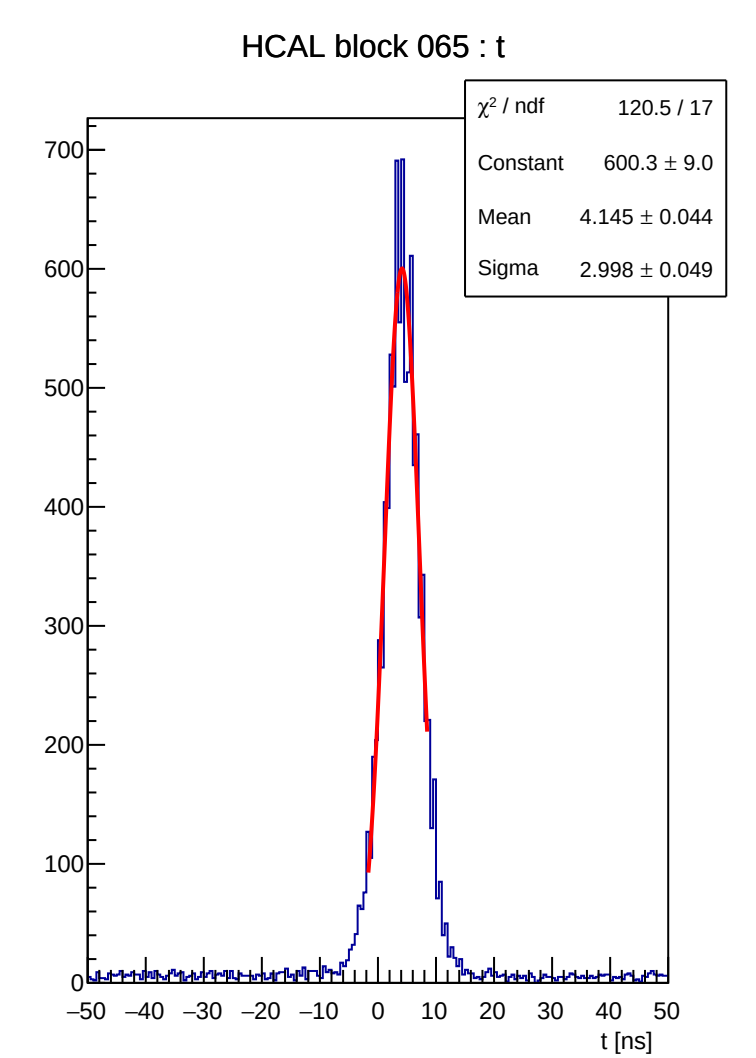

HCAL block 062 : t tw corr
χ² / ndf 38.61 / 20
Constant 275.3 ± 5.8
Mean −0.1636 ± 0.0578
Sigma 3.048 ± 0.059
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

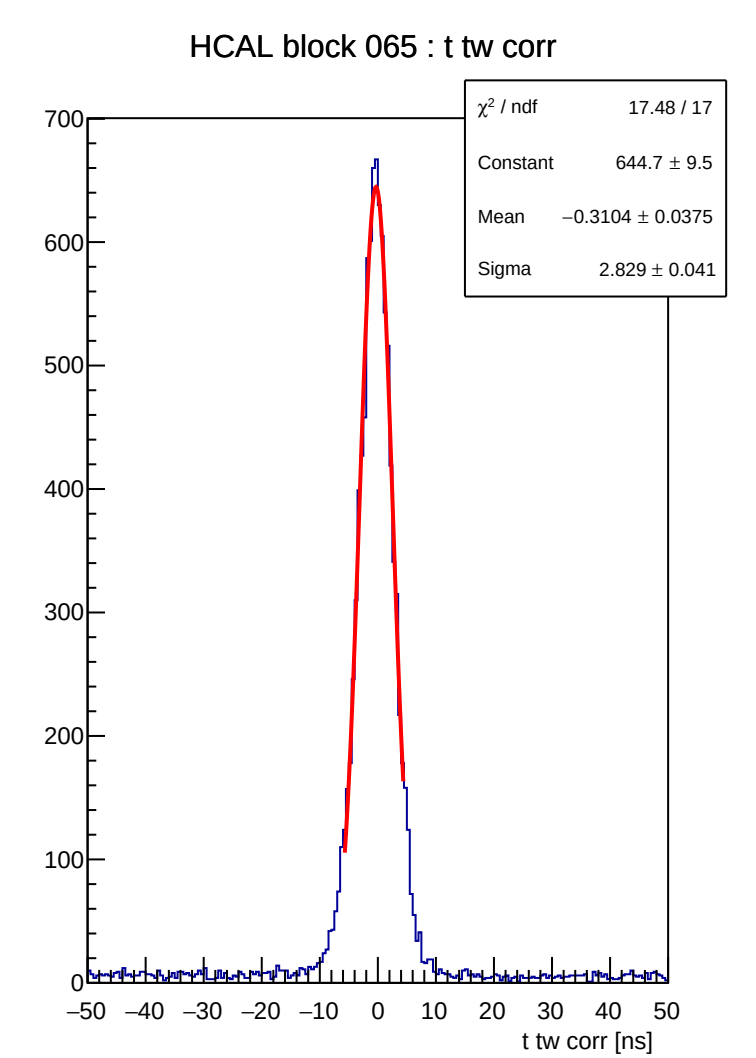

HCAL block 063 : t
χ² / ndf 87.98 / 18
Constant 319.2 ± 6.5
Mean 4.121 ± 0.058
Sigma 3.121 ± 0.068
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

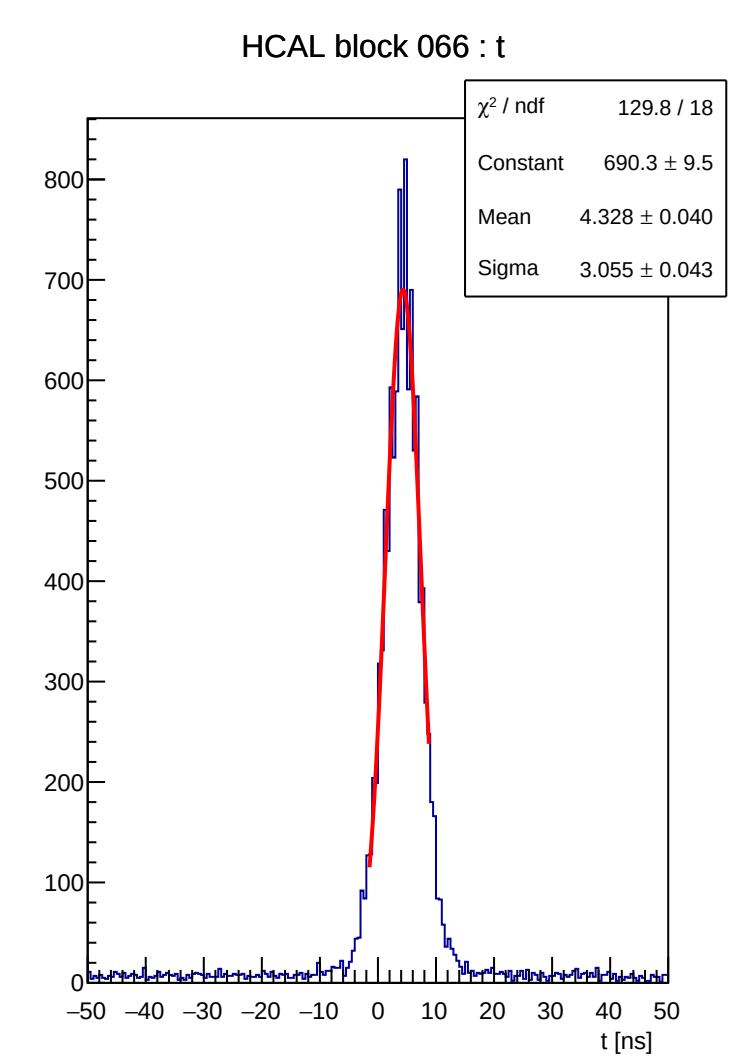

HCAL block 063 : t tw corr
χ² / ndf 30.73 / 17
Constant 348.5 ± 7.0
Mean −0.9253 ± 0.0528
Sigma 2.879 ± 0.060
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

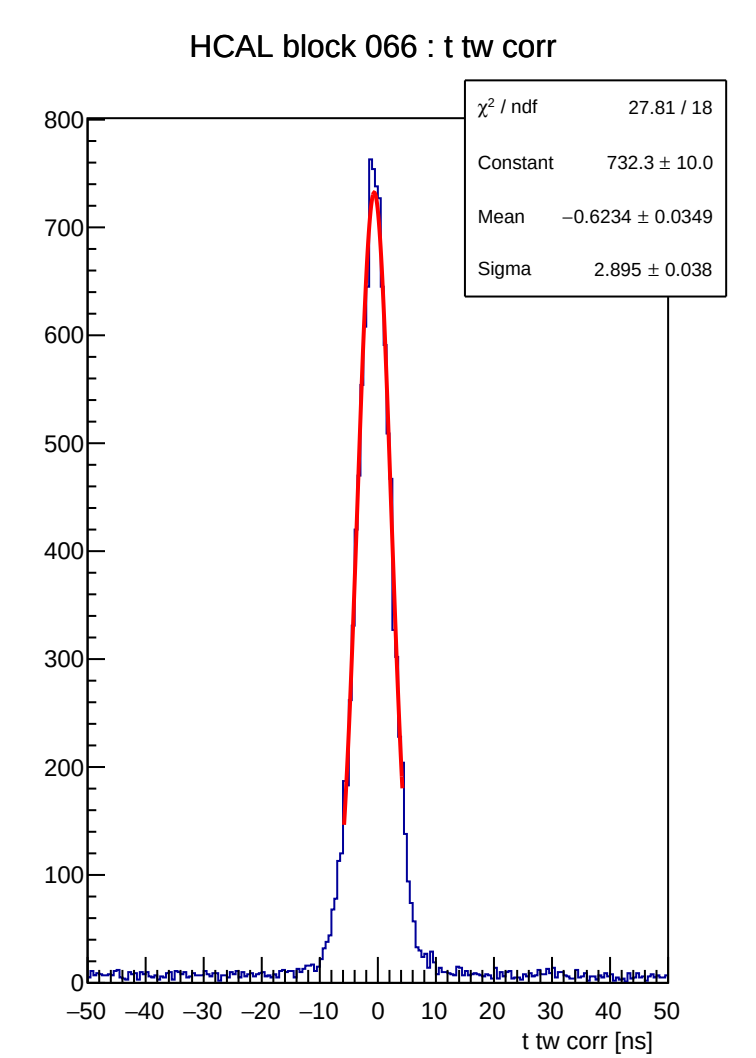

HCAL block 064 : t
χ² / ndf 112.9 / 18
Constant 633.2 ± 9.1
Mean 4.2 ± 0.0
Sigma 3.094 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

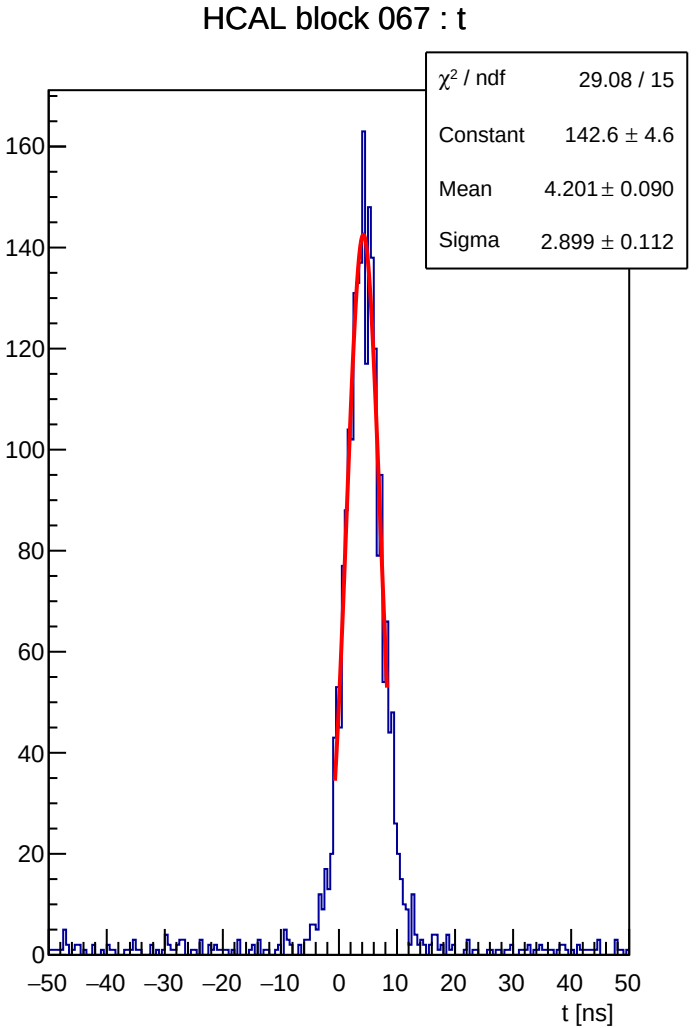

HCAL block 064 : t tw corr
χ² / ndf 14.18 / 17
Constant 672.6 ± 9.7
Mean −0.3896 ± 0.0382
Sigma 2.924 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

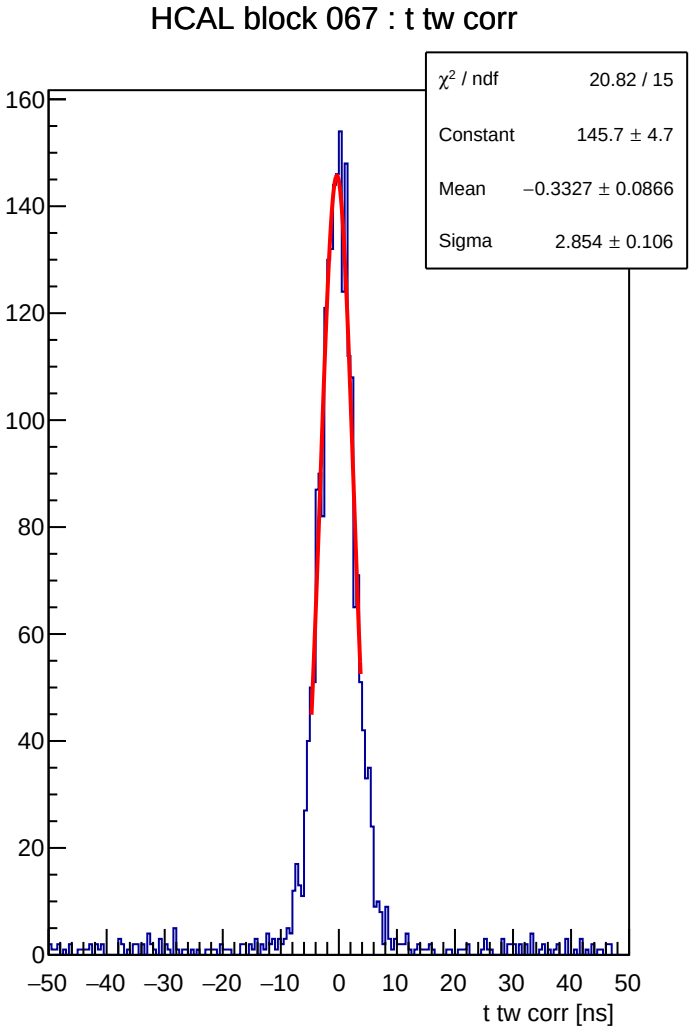

HCAL block 065 : t
χ² / ndf 120.5 / 17
Constant 600.3 ± 9.0
Mean 4.145 ± 0.044
Sigma 2.998 ± 0.049
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

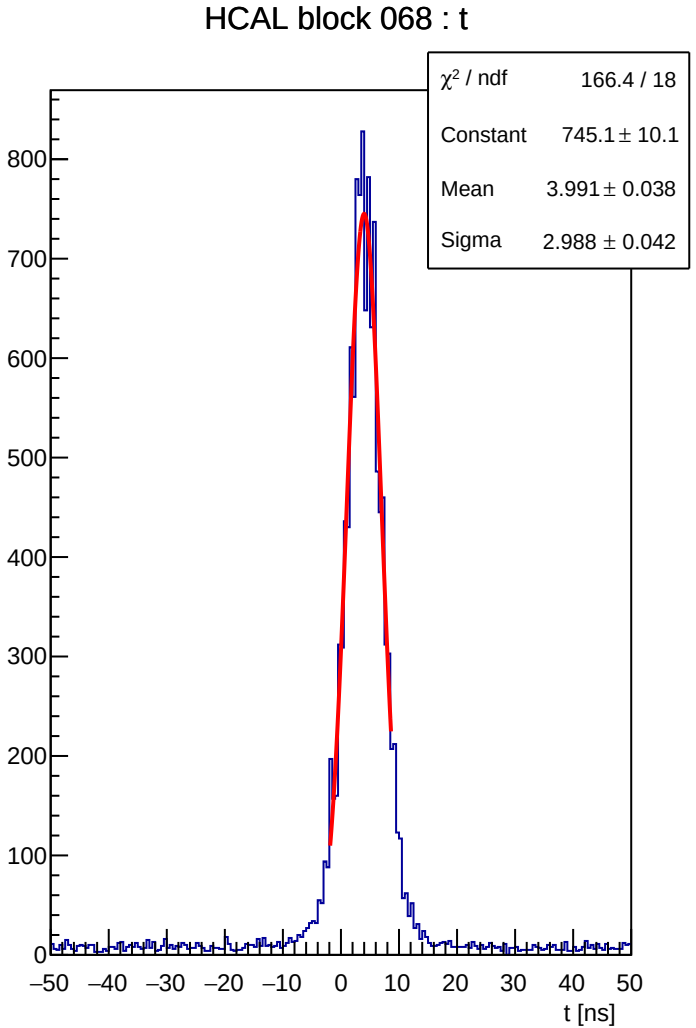

HCAL block 065 : t tw corr
χ² / ndf 17.48 / 17
Constant 644.7 ± 9.5
Mean −0.3104 ± 0.0375
Sigma 2.829 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

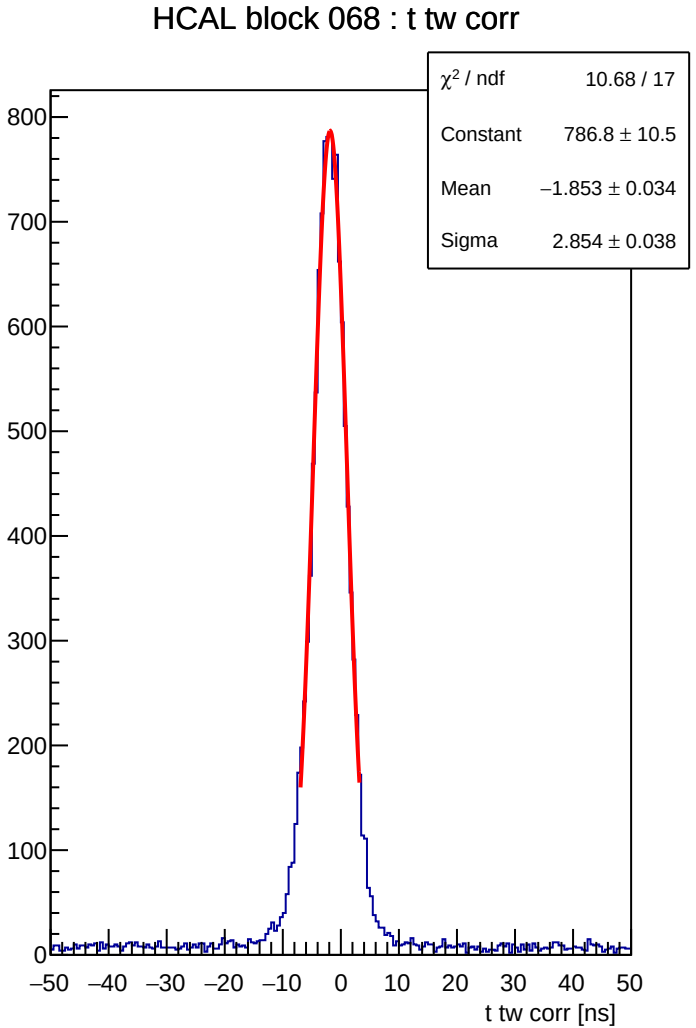

HCAL block 066 : t
χ² / ndf 129.8 / 18
Constant 690.3 ± 9.5
Mean 4.328 ± 0.040
Sigma 3.055 ± 0.043
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

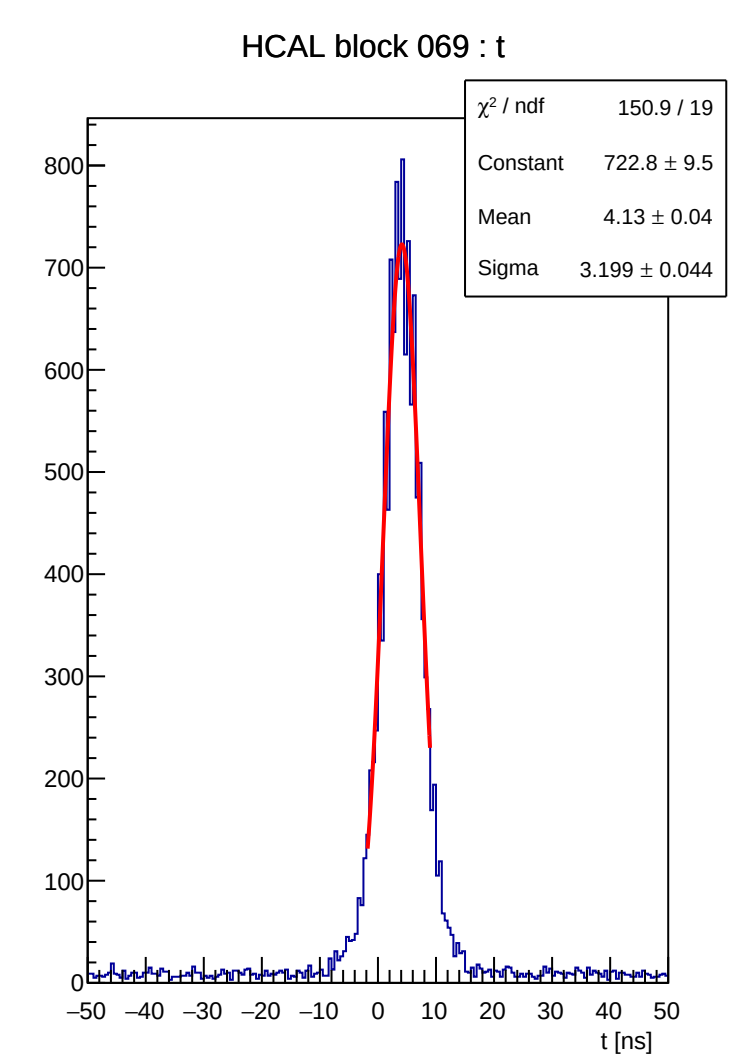

HCAL block 066 : t tw corr
χ² / ndf 27.81 / 18
Constant 732.3 ± 10.0
Mean −0.6234 ± 0.0349
Sigma 2.895 ± 0.038
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

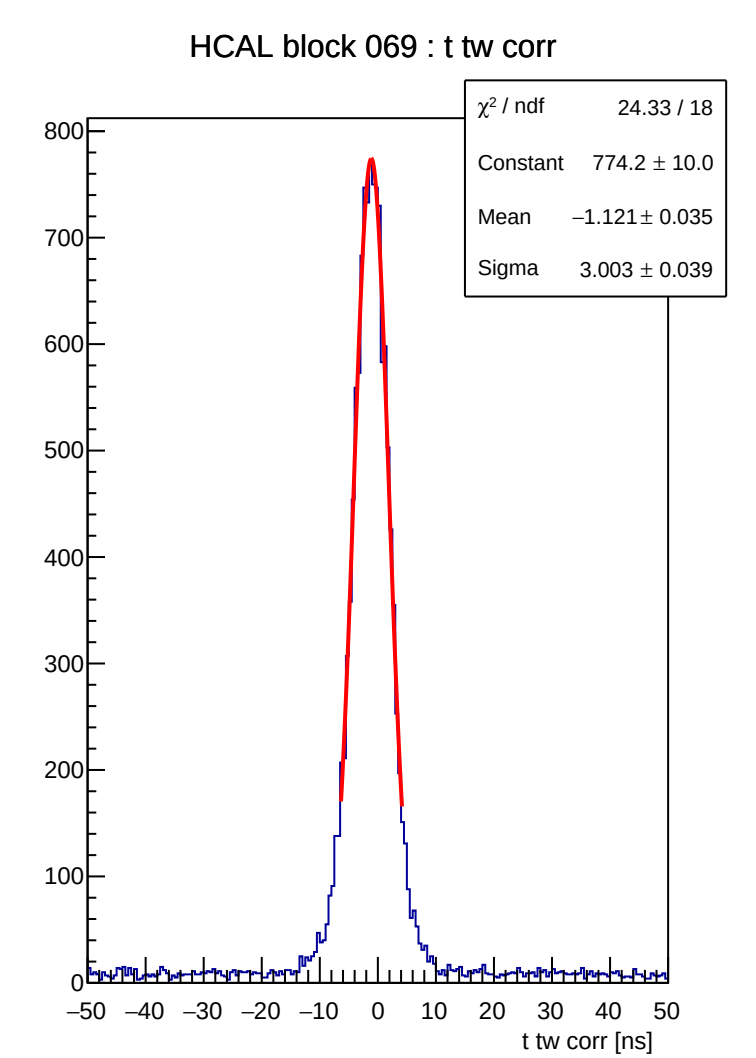

HCAL block 067 : t
χ² / ndf 29.08 / 15
Constant 142.6 ± 4.6
Mean 4.201 ± 0.090
Sigma 2.899 ± 0.112
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

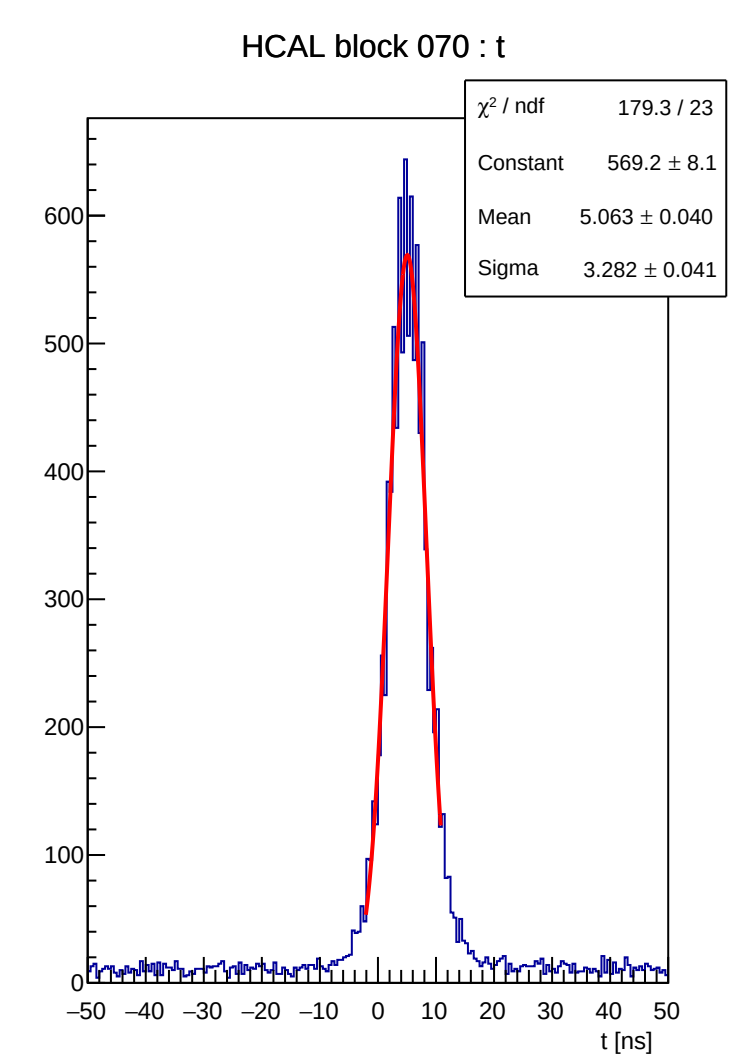

HCAL block 067 : t tw corr
χ² / ndf 20.82 / 15
Constant 145.7 ± 4.7
Mean −0.3327 ± 0.0866
Sigma 2.854 ± 0.106
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

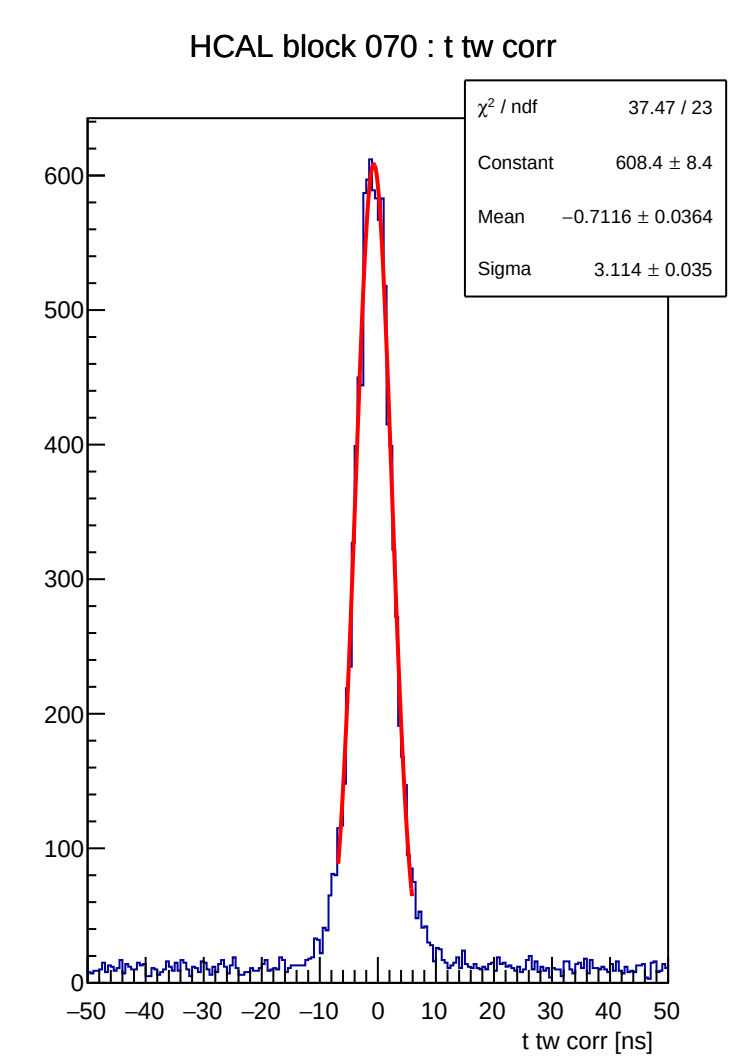

HCAL block 068 : t
χ² / ndf 166.4 / 18
Constant 745.1 ± 10.1
Mean 3.991 ± 0.038
Sigma 2.988 ± 0.042
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

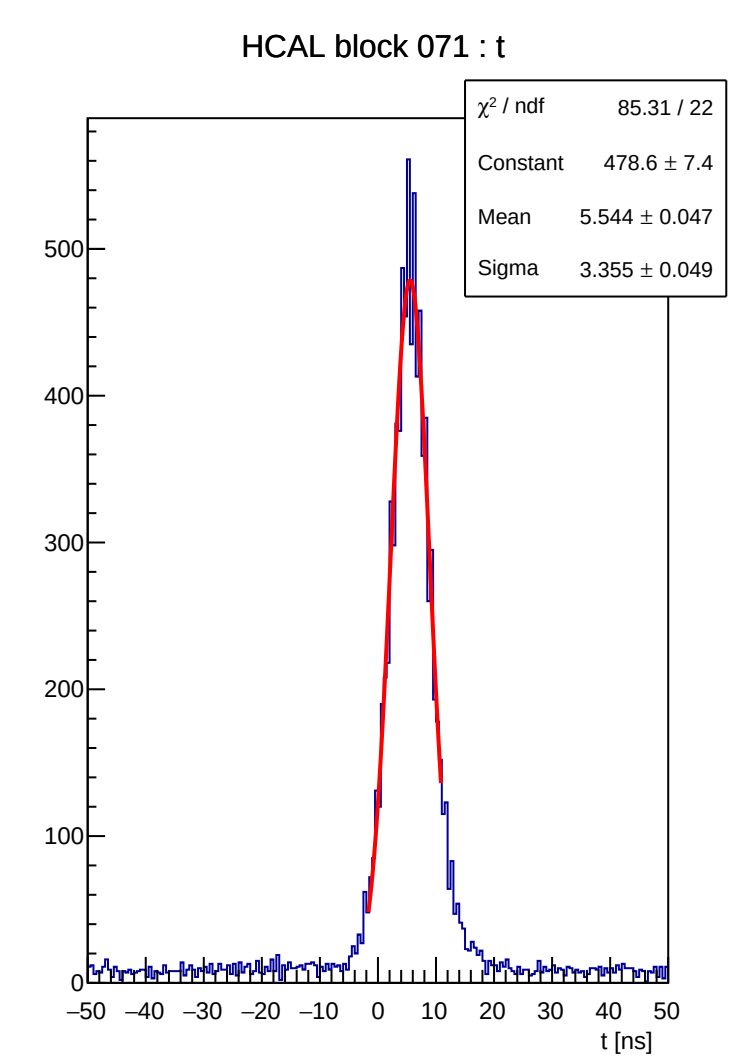

HCAL block 068 : t tw corr
χ² / ndf 10.68 / 17
Constant 786.8 ± 10.5
Mean –1.853 ± 0.034
Sigma 2.854 ± 0.038
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

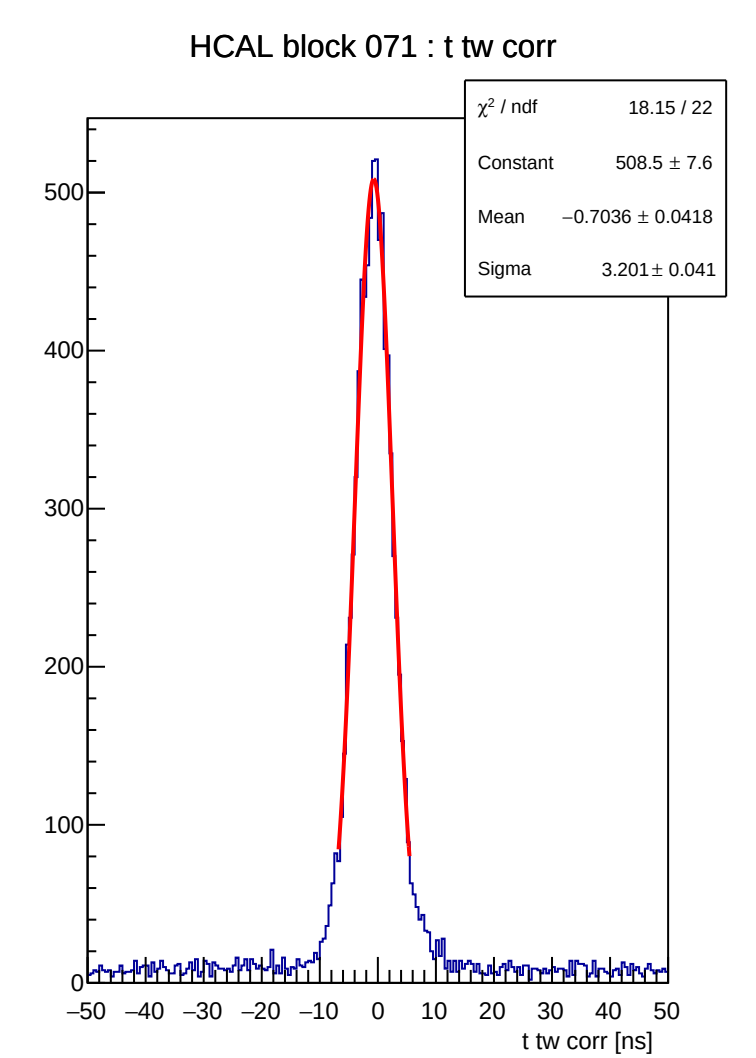

HCAL block 069 : t
χ² / ndf 150.9 / 19
Constant 722.8 ± 9.5
Mean 4.13 ± 0.04
Sigma 3.199 ± 0.044
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

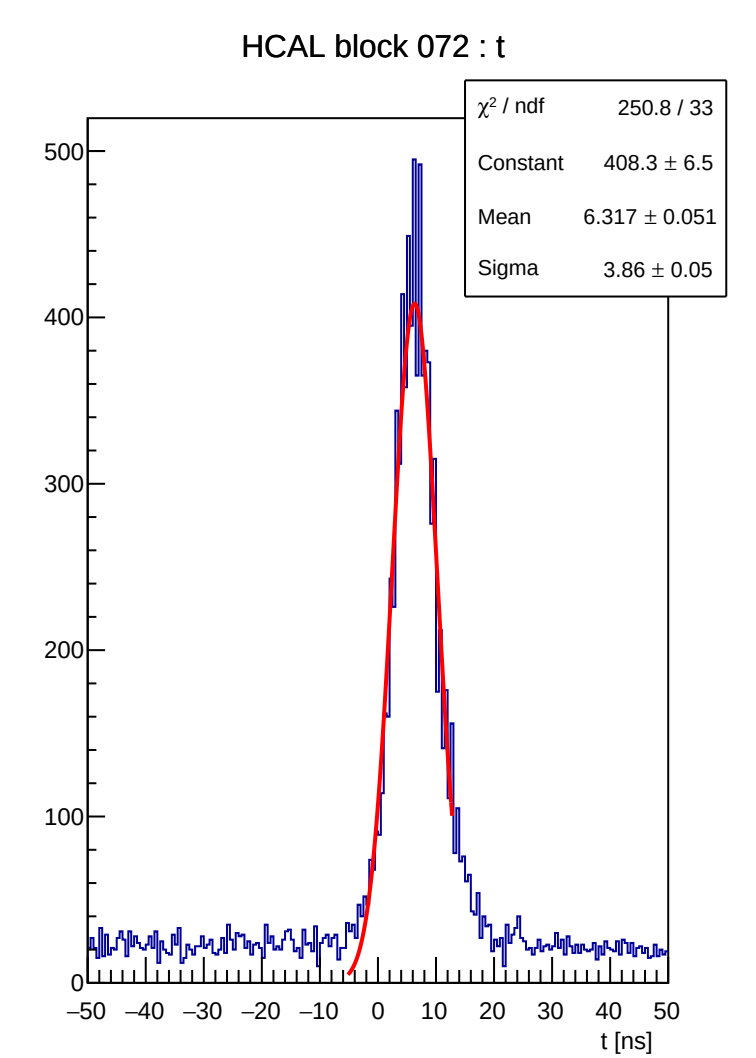

HCAL block 069 : t tw corr
χ² / ndf 24.33 / 18
Constant 774.2 ± 10.0
Mean –1.121 ± 0.035
Sigma 3.003 ± 0.039
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

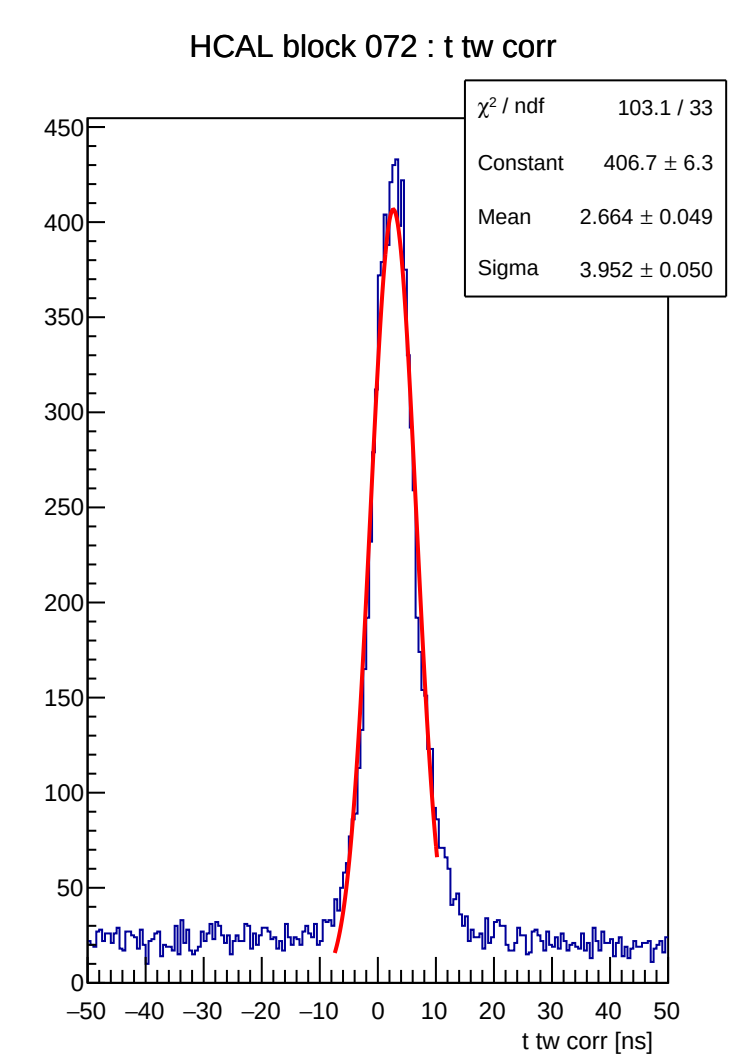

HCAL block 070 : t
χ² / ndf 179.3 / 23
Constant 569.2 ± 8.1
Mean 5.063 ± 0.040
Sigma 3.282 ± 0.041
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

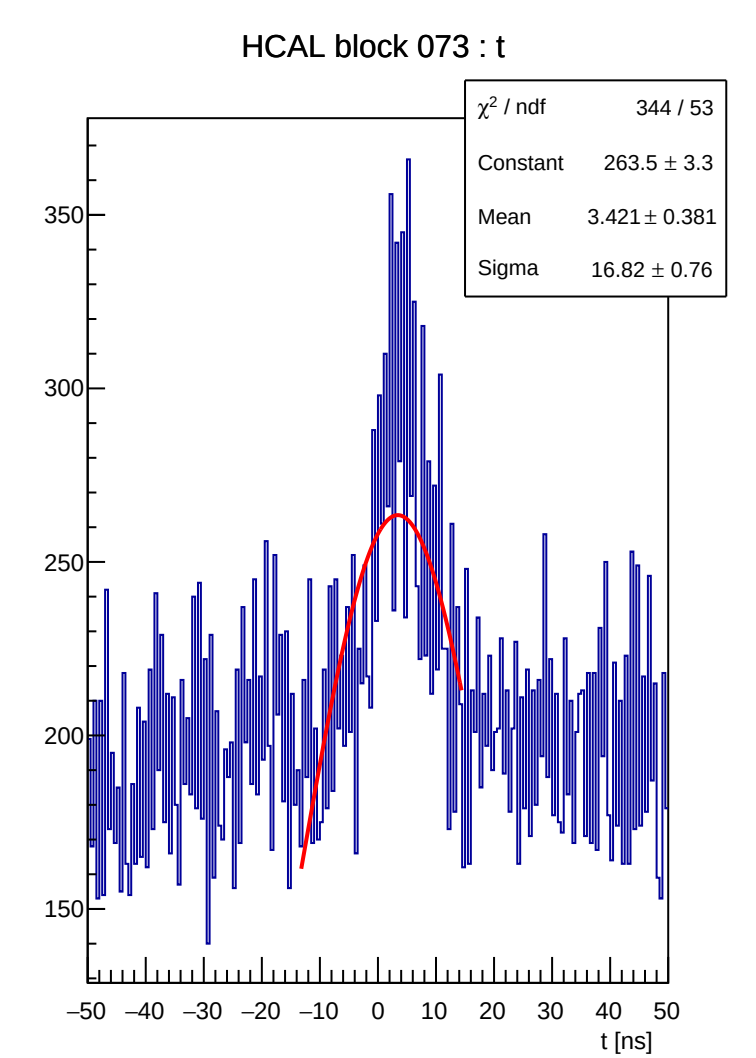

HCAL block 070 : t tw corr
χ² / ndf 37.47 / 23
Constant 608.4 ± 8.4
Mean −0.7116 ± 0.0364
Sigma 3.114 ± 0.035
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

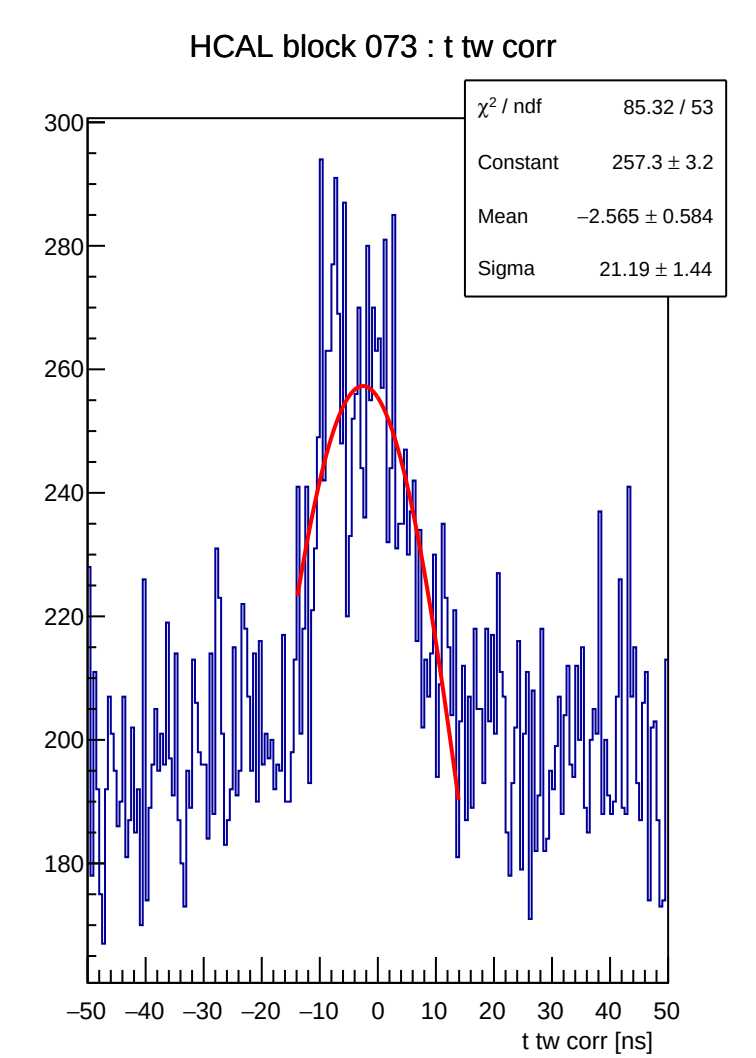

HCAL block 071 : t
χ² / ndf 85.31 / 22
Constant 478.6 ± 7.4
Mean 5.544 ± 0.047
Sigma 3.355 ± 0.049
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

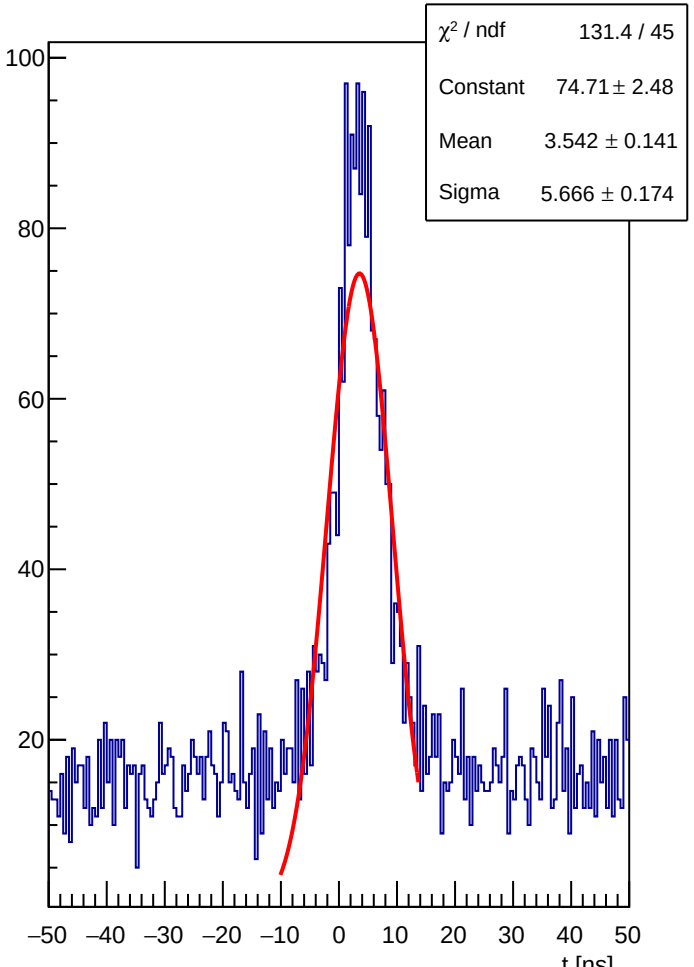

HCAL block 071 : t tw corr
χ² / ndf 18.15 / 22
Constant 508.5 ± 7.6
Mean −0.7036 ± 0.0418
Sigma 3.201 ± 0.041
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

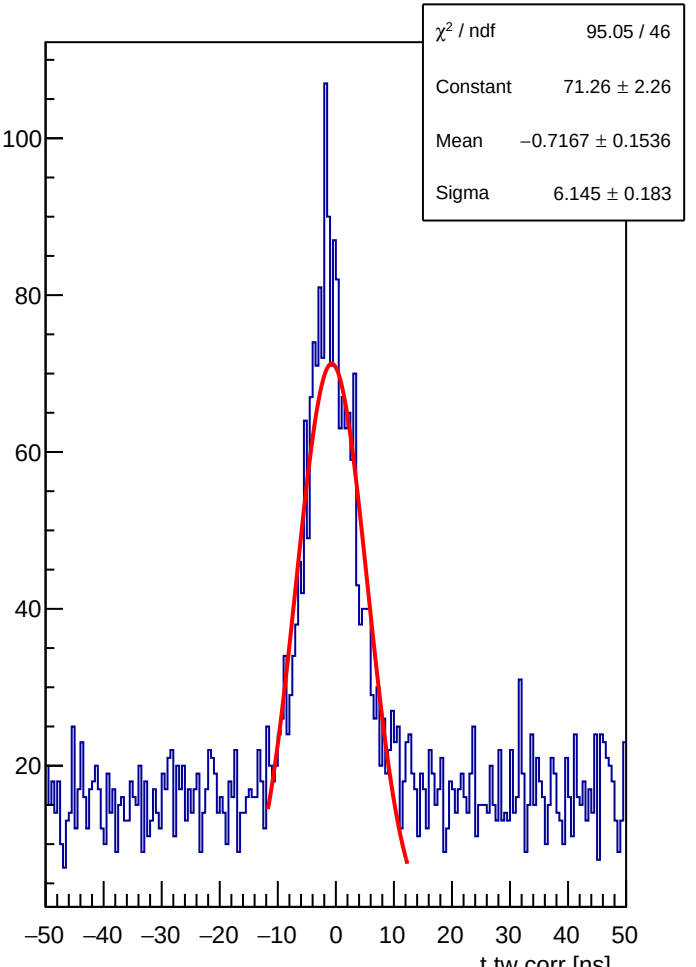

HCAL block 072 : t
χ² / ndf 250.8 / 33
Constant 408.3 ± 6.5
Mean 6.317 ± 0.051
Sigma 3.86 ± 0.05
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

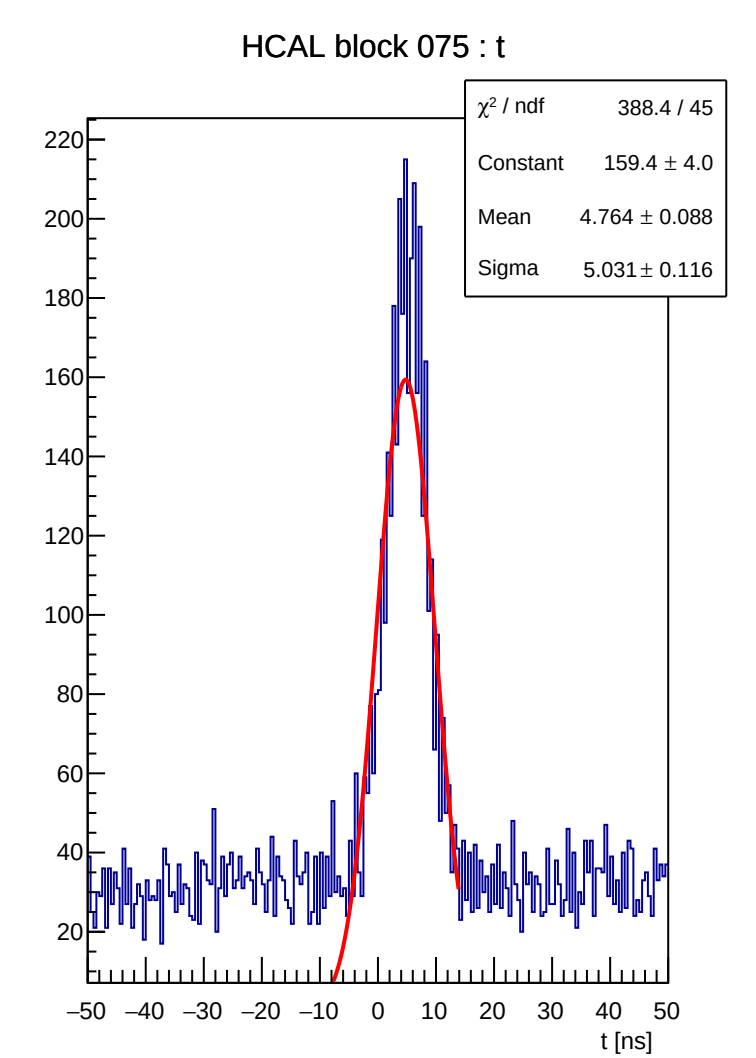

HCAL block 072 : t tw corr
χ² / ndf 103.1 / 33
Constant 406.7 ± 6.3
Mean 2.664 ± 0.049
Sigma 3.952 ± 0.050
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

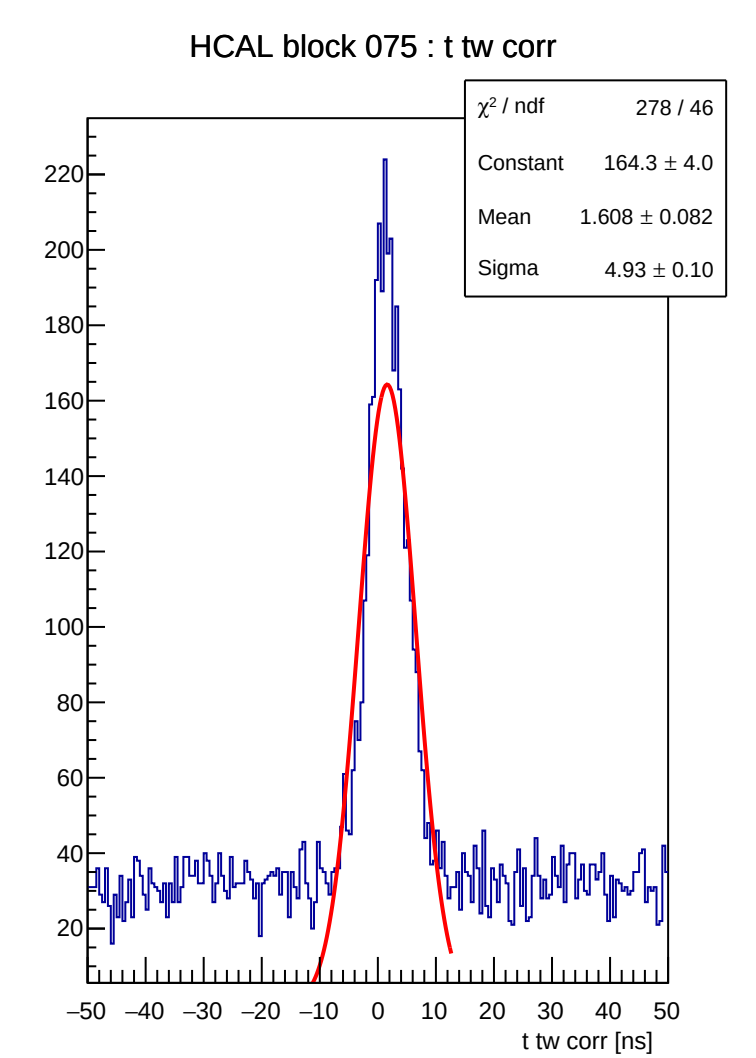

HCAL block 073 : t
χ² / ndf 344 / 53
Constant 263.5 ± 3.3
Mean 3.421 ± 0.381
Sigma 16.82 ± 0.76
350
300
250
200
150
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

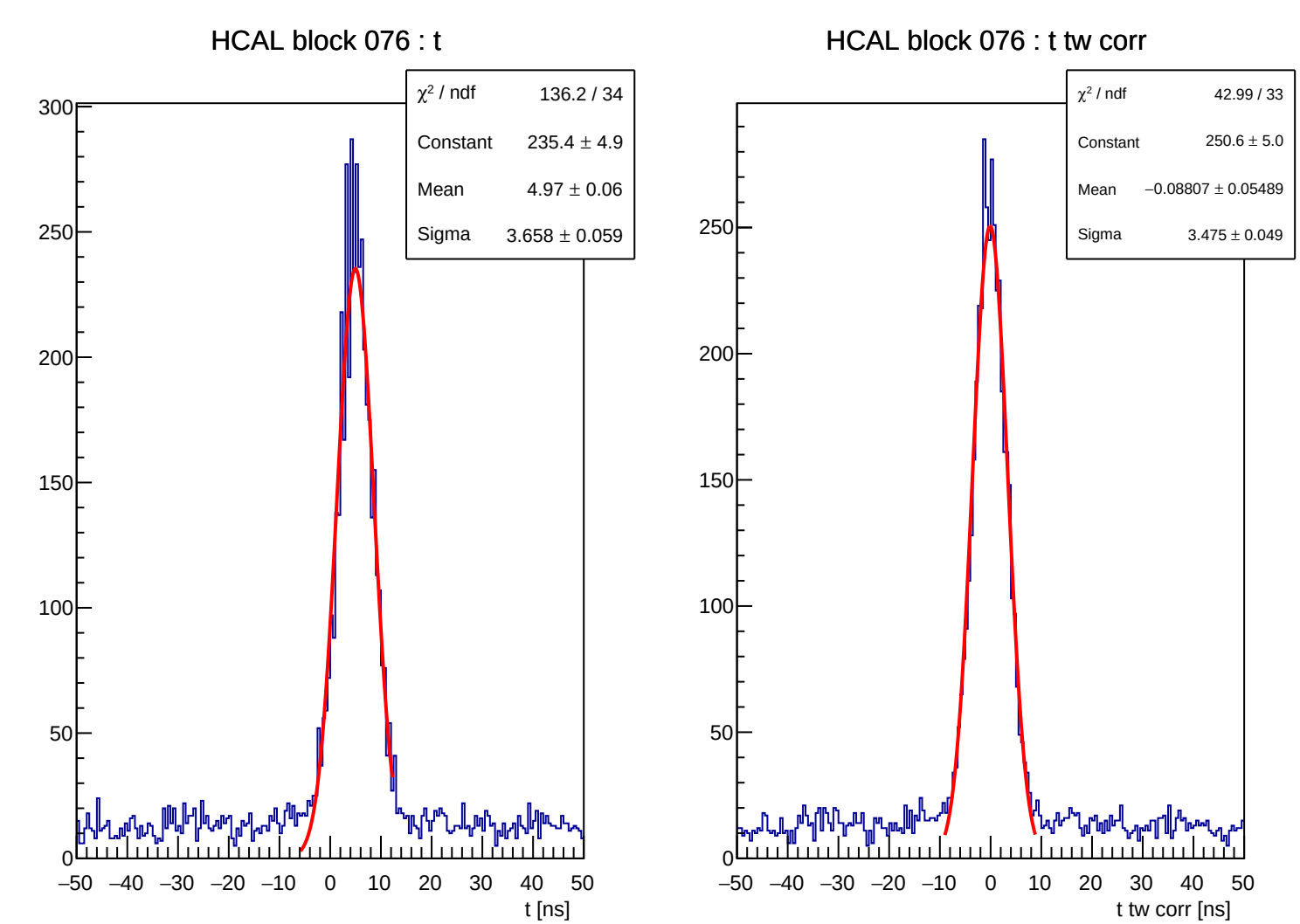

HCAL block 073 : t tw corr
χ² / ndf 85.32 / 53
Constant 257.3 ± 3.2
Mean –2.565 ± 0.584
Sigma 21.19 ± 1.44
300
280
260
240
220
200
180
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

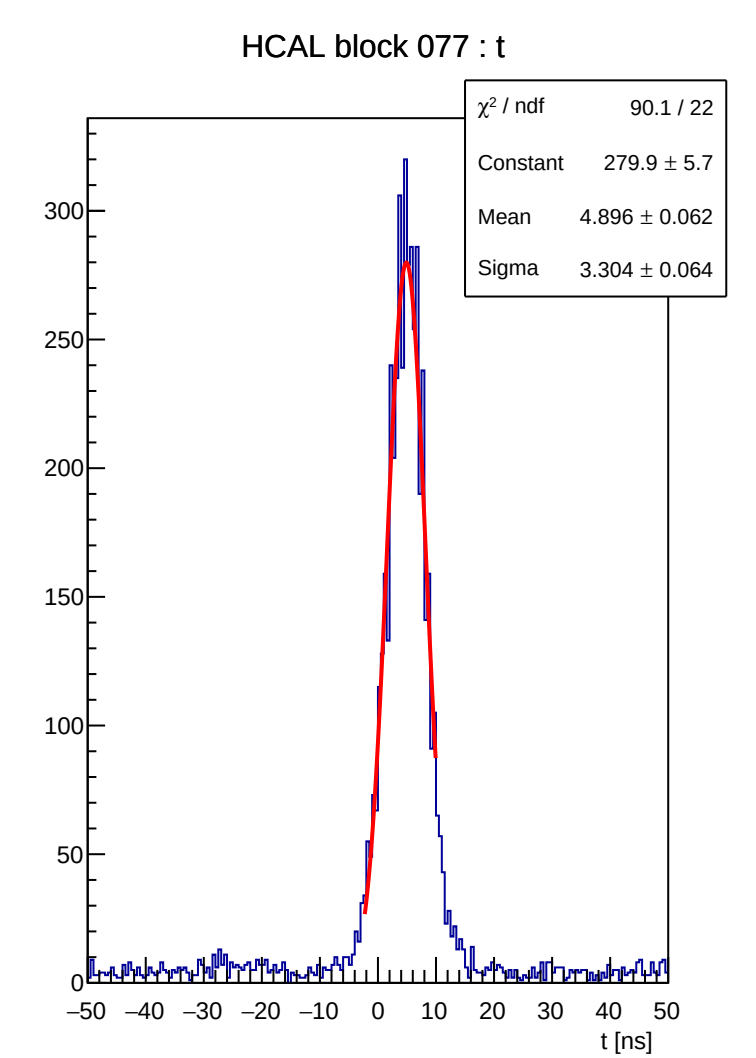

HCAL block 074 : t
χ² / ndf 131.4 / 45
Constant 74.71 ± 2.48
Mean 3.542 ± 0.141
Sigma 5.666 ± 0.174
100
80
60
40
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

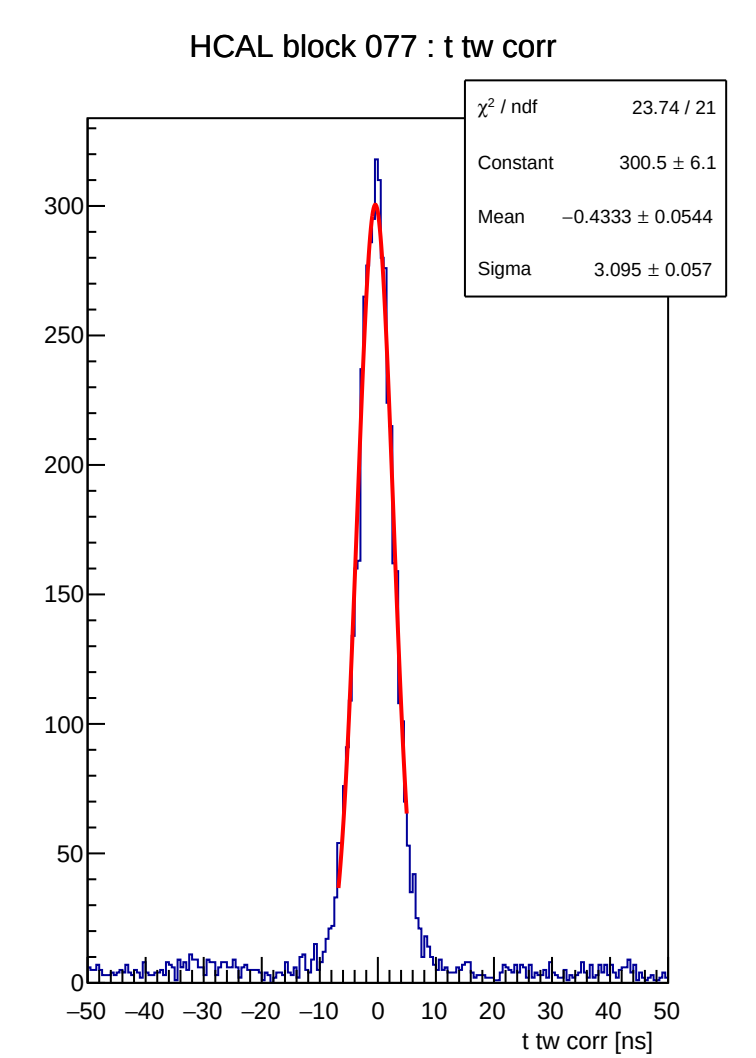

HCAL block 074 : t tw corr
χ² / ndf 95.05 / 46
Constant 71.26 ± 2.26
Mean −0.7167 ± 0.1536
Sigma 6.145 ± 0.183
100
80
60
40
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

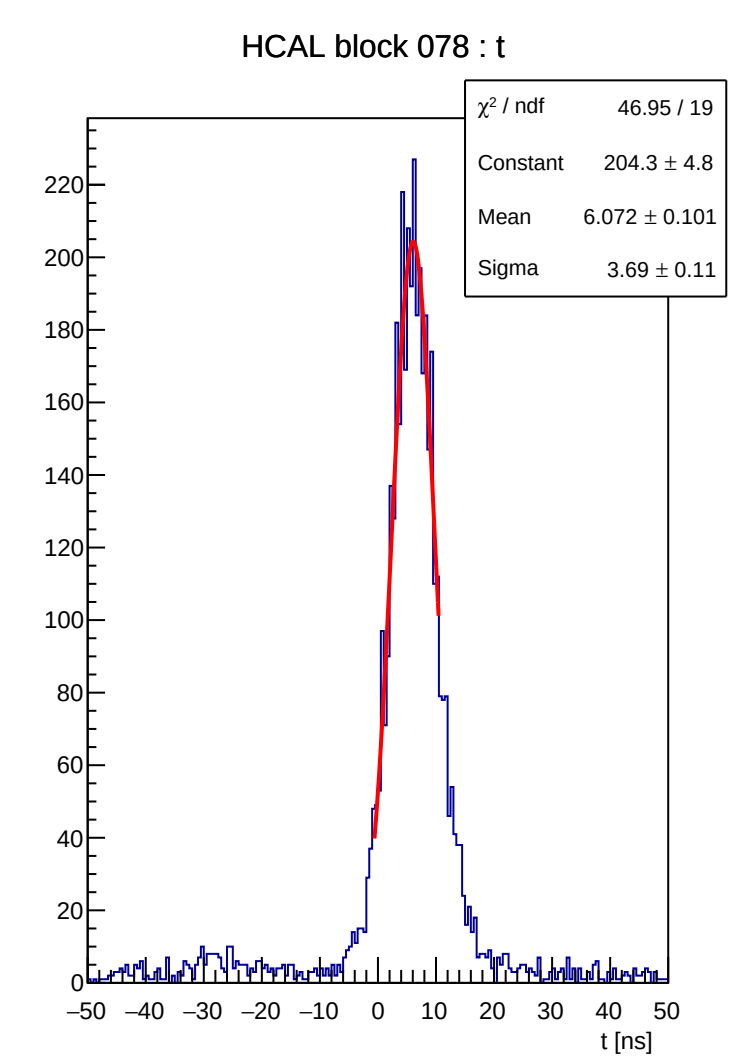

HCAL block 075 : t
χ² / ndf 388.4 / 45
Constant 159.4 ± 4.0
Mean 4.764 ± 0.088
Sigma 5.031 ± 0.116
t [ns]

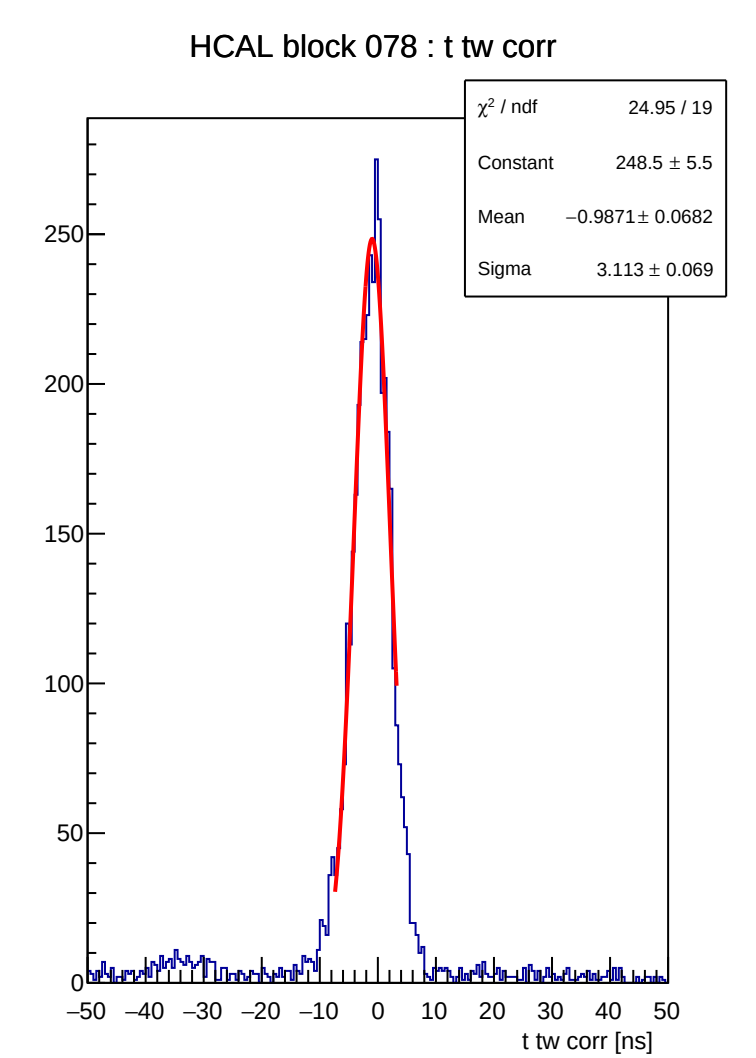

HCAL block 075 : t tw corr
χ² / ndf 278 / 46
Constant 164.3 ± 4.0
Mean 1.608 ± 0.082
Sigma 4.93 ± 0.10
t tw corr [ns]

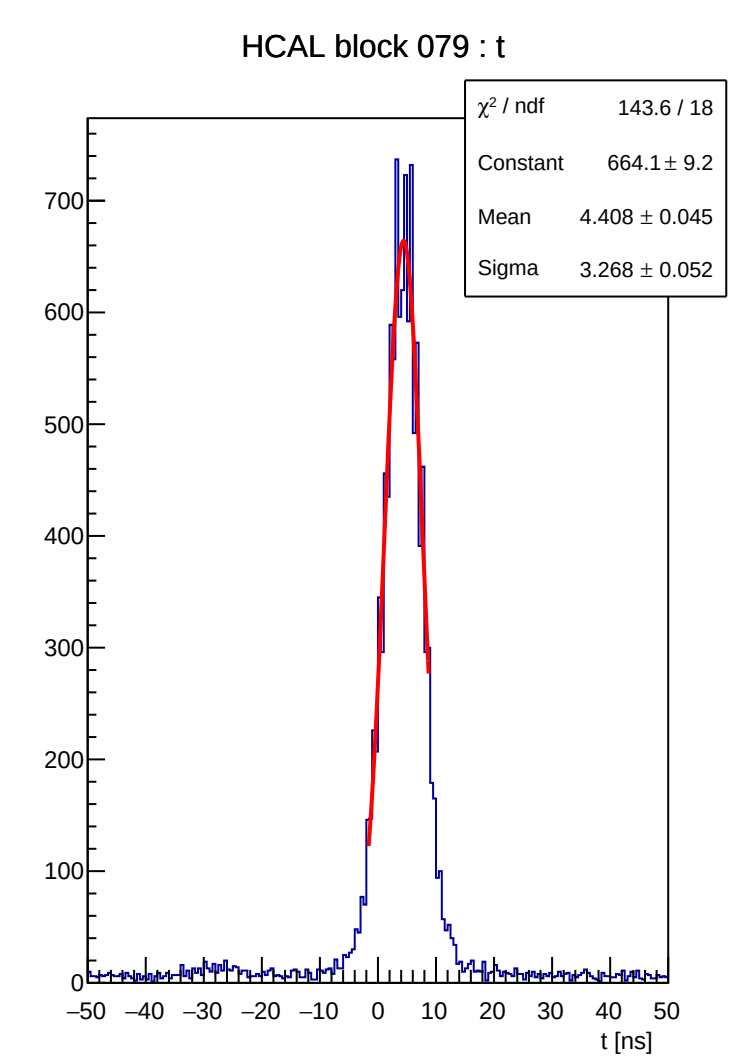

HCAL block 076 : t
χ² / ndf 136.2 / 34
Constant 235.4 ± 4.9
Mean 4.97 ± 0.06
Sigma 3.658 ± 0.059
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 076 : t tw corr
χ² / ndf 42.99 / 33
Constant 250.6 ± 5.0
Mean –0.08807 ± 0.05489
Sigma 3.475 ± 0.049
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

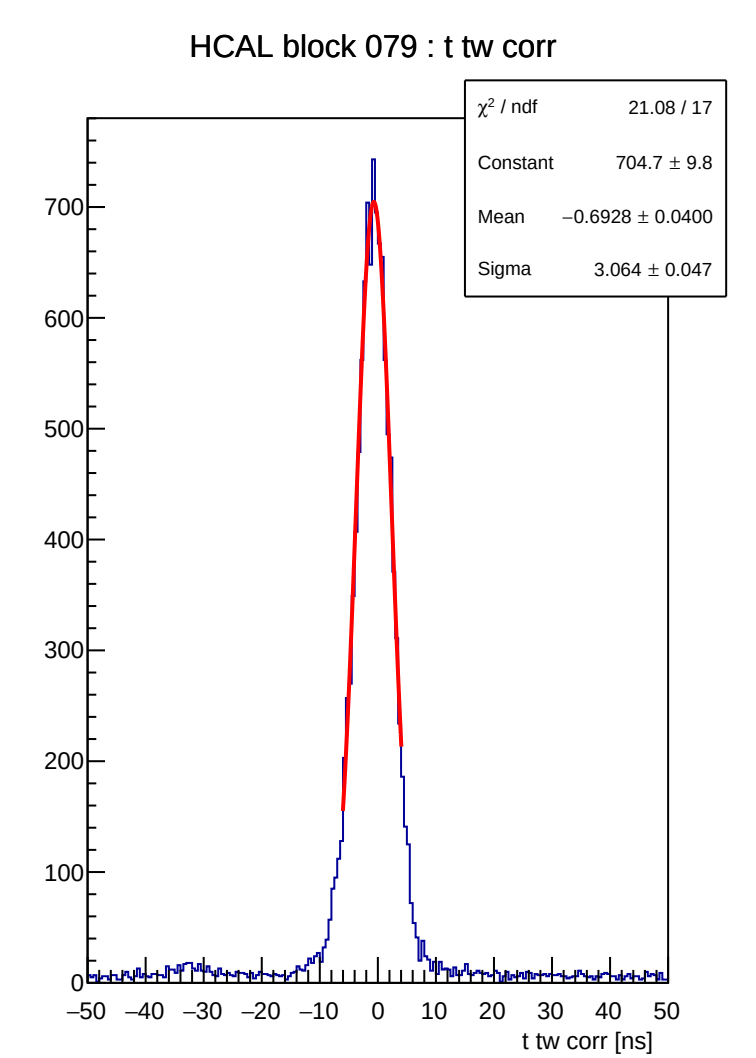

HCAL block 077 : t
χ² / ndf 90.1 / 22
Constant 279.9 ± 5.7
Mean 4.896 ± 0.062
Sigma 3.304 ± 0.064
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

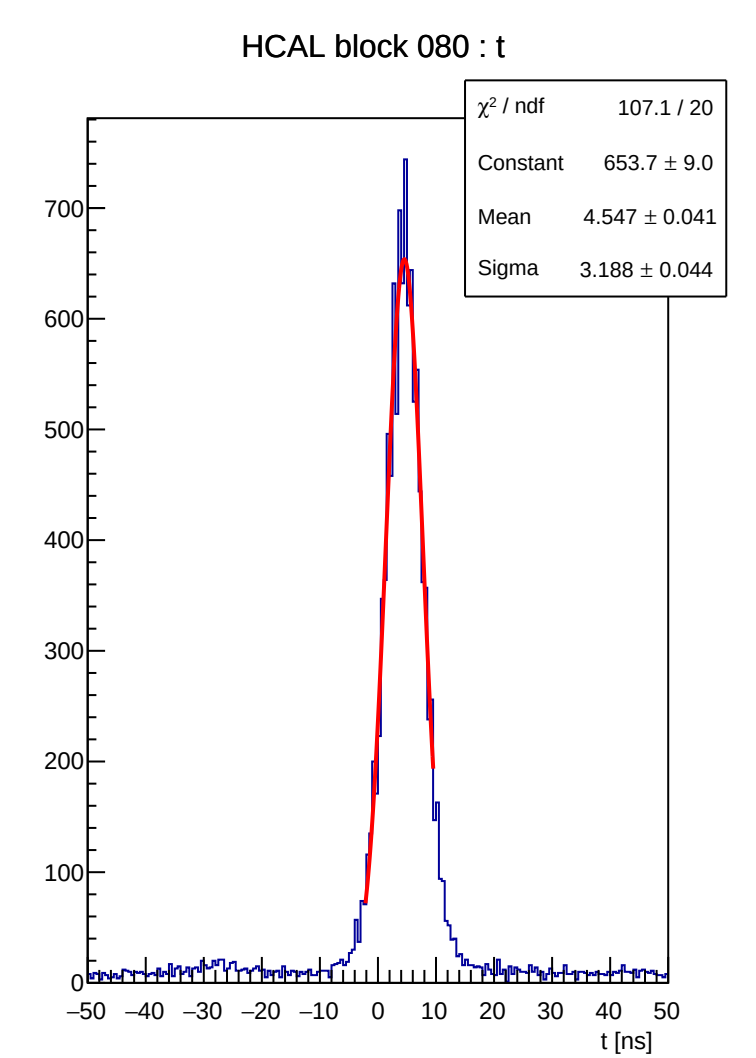

HCAL block 077 : t tw corr
χ² / ndf 23.74 / 21
Constant 300.5 ± 6.1
Mean −0.4333 ± 0.0544
Sigma 3.095 ± 0.057
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

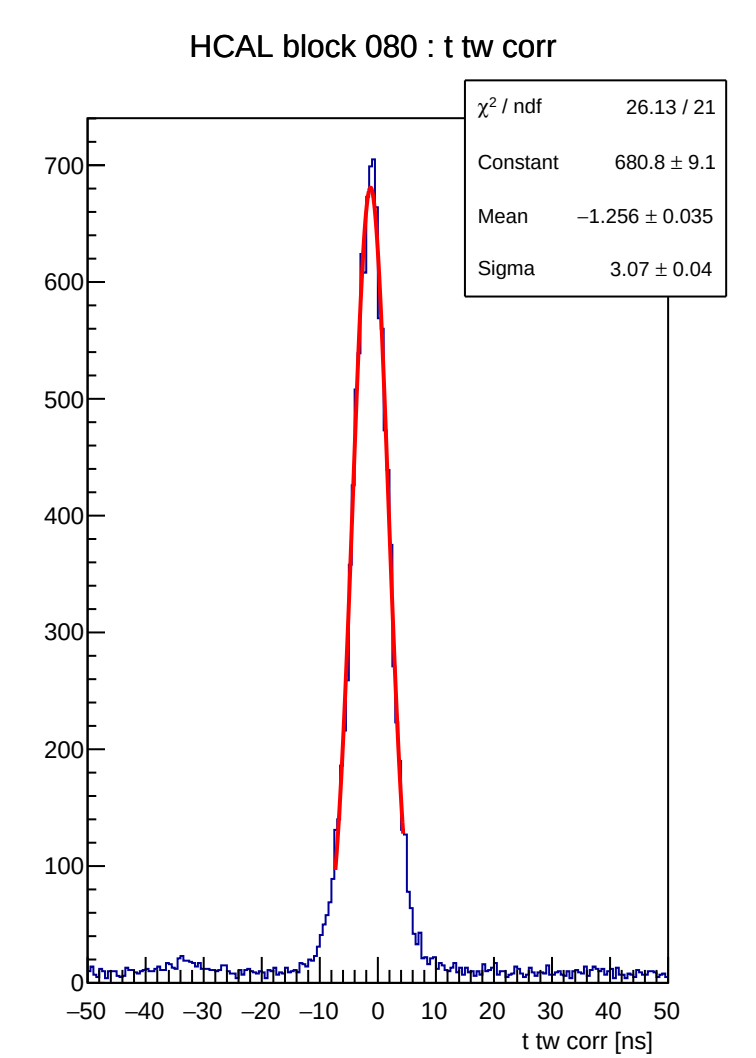

HCAL block 078 : t
χ² / ndf 46.95 / 19
Constant 204.3 ± 4.8
Mean 6.072 ± 0.101
Sigma 3.69 ± 0.11
t [ns]

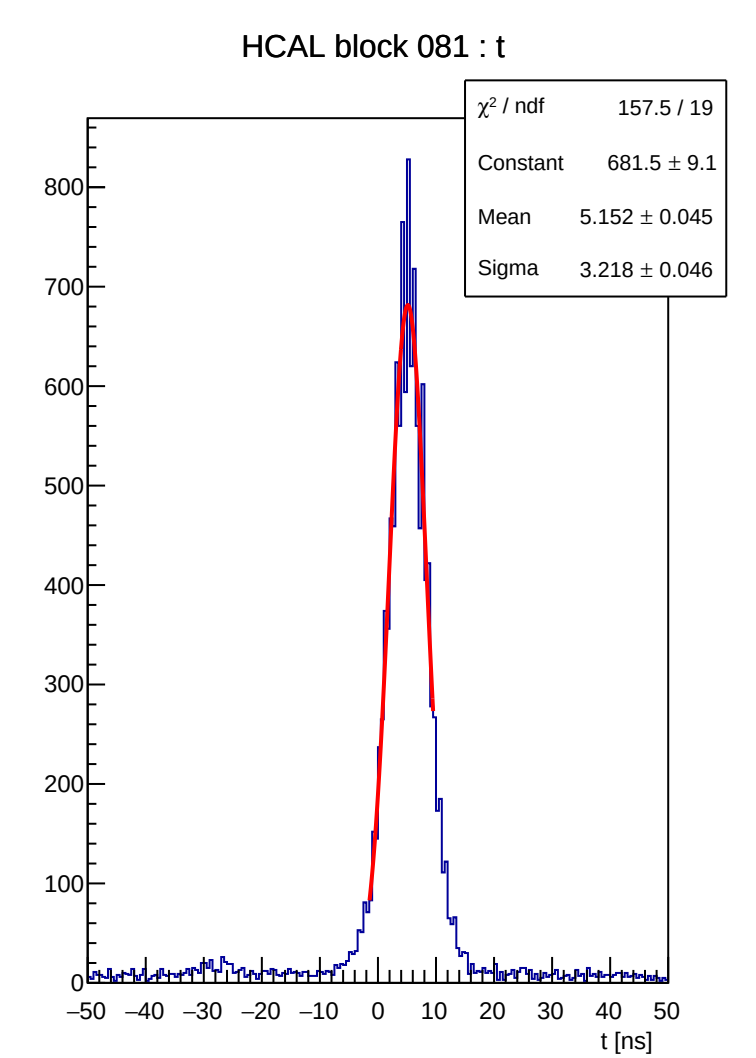

HCAL block 078 : t tw corr
χ² / ndf 24.95 / 19
Constant 248.5 ± 5.5
Mean −0.9871± 0.0682
Sigma 3.113 ± 0.069
t tw corr [ns]

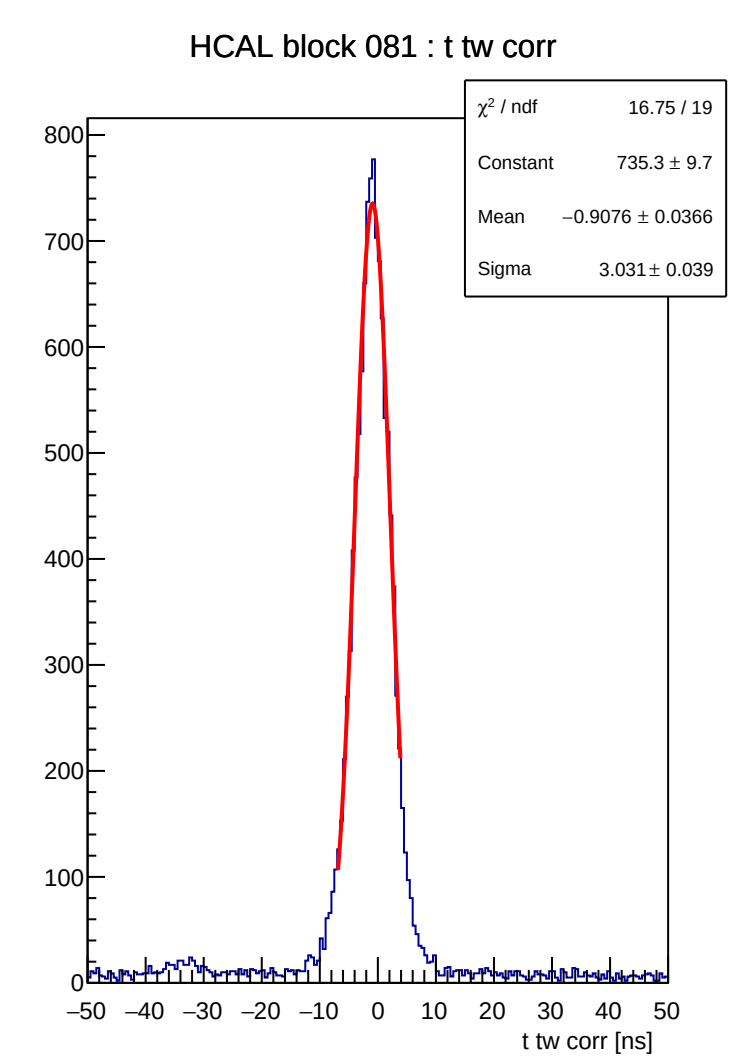

HCAL block 079 : t
χ² / ndf 143.6 / 18
Constant 664.1 ± 9.2
Mean 4.408 ± 0.045
Sigma 3.268 ± 0.052
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

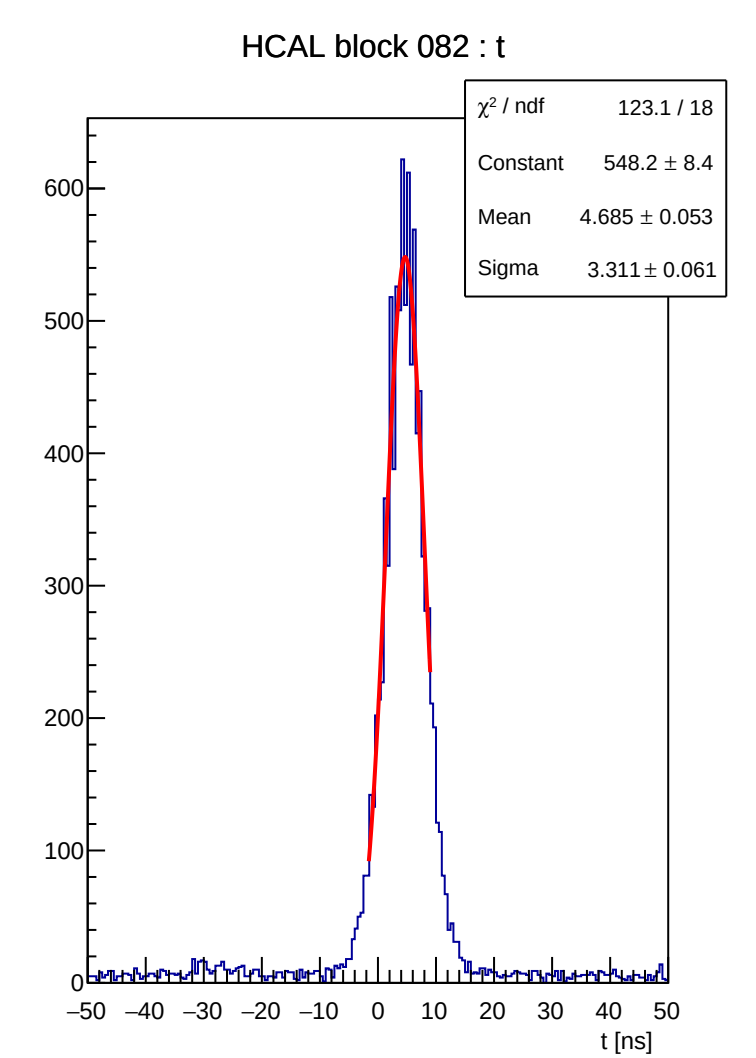

HCAL block 079 : t tw corr
χ² / ndf 21.08 / 17
Constant 704.7 ± 9.8
Mean −0.6928 ± 0.0400
Sigma 3.064 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

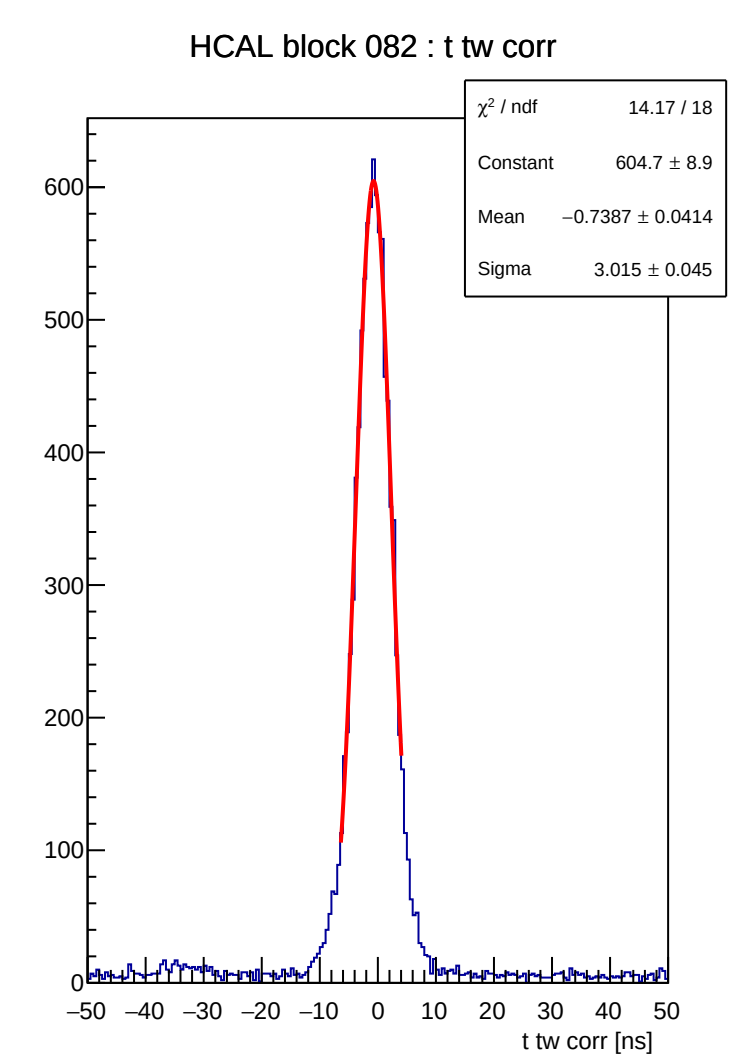

HCAL block 080 : t
χ² / ndf 107.1 / 20
Constant 653.7 ± 9.0
Mean 4.547 ± 0.041
Sigma 3.188 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

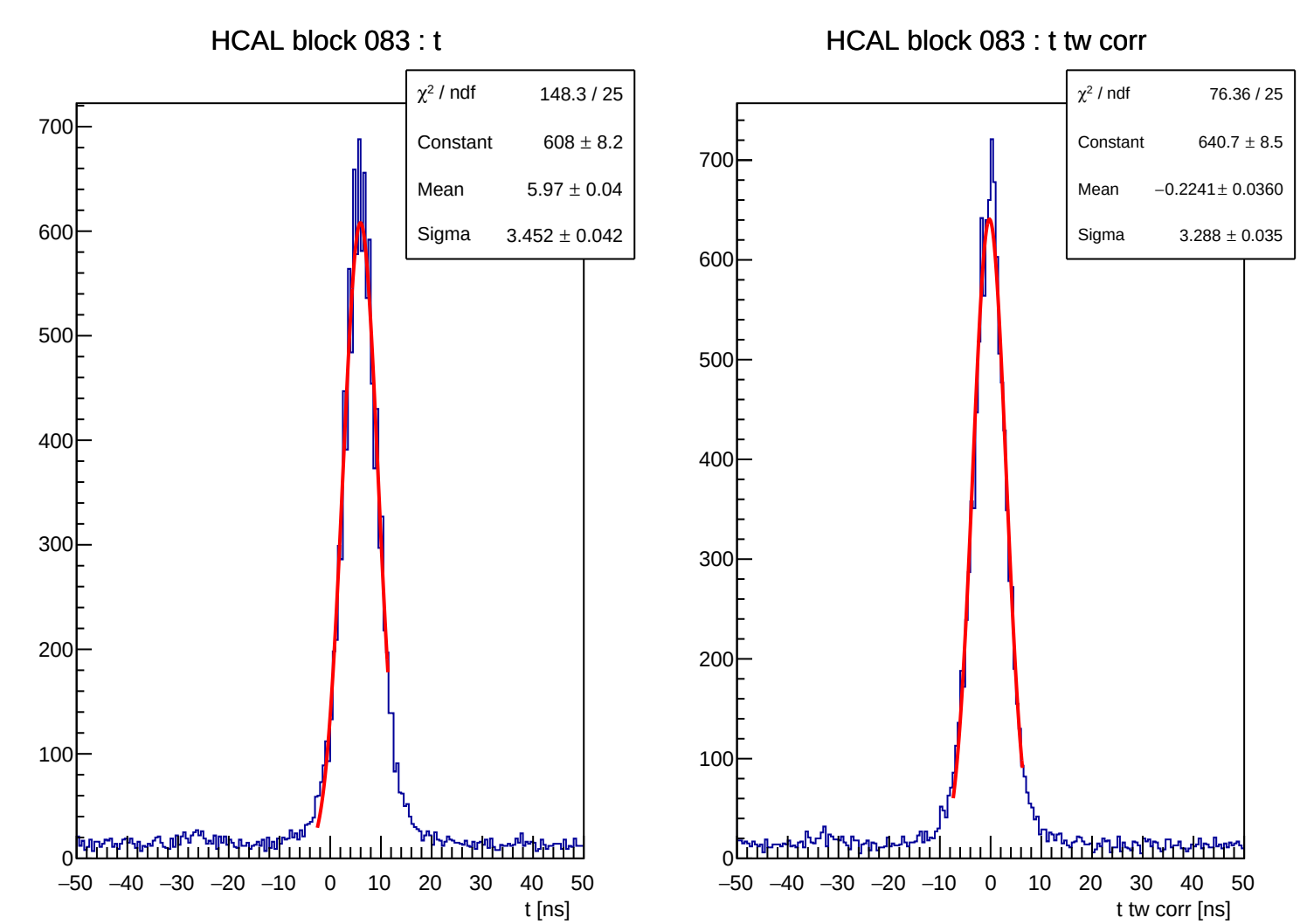

HCAL block 080 : t tw corr
χ² / ndf 26.13 / 21
Constant 680.8 ± 9.1
Mean –1.256 ± 0.035
Sigma 3.07 ± 0.04
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

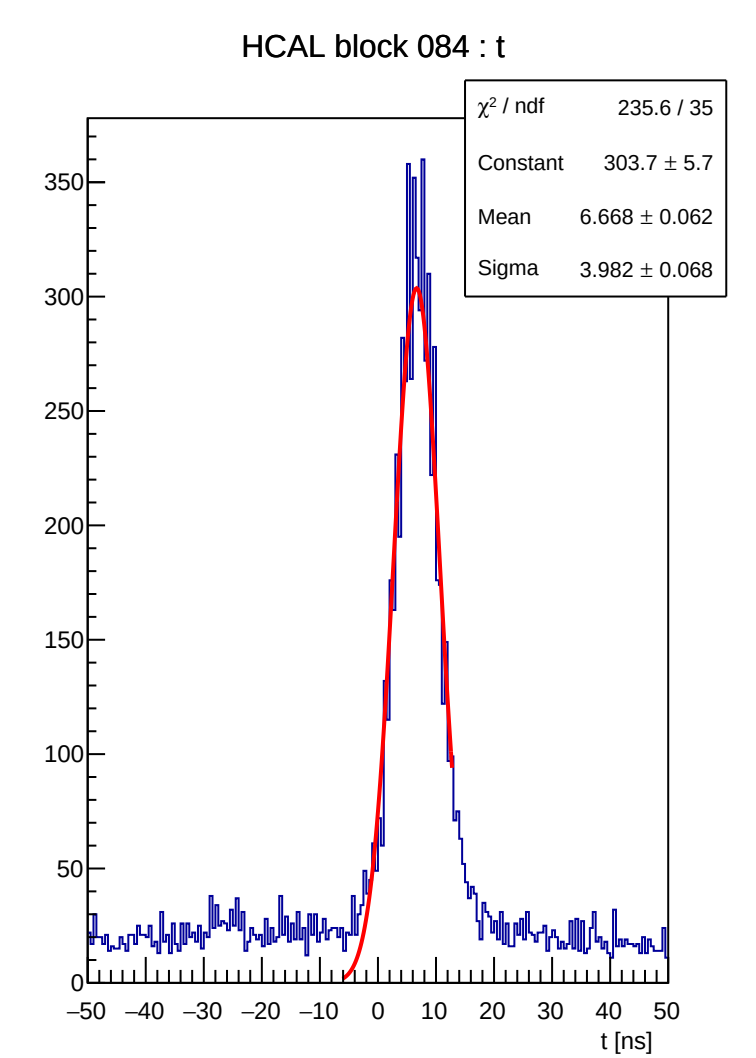

HCAL block 081 : t
χ² / ndf 157.5 / 19
Constant 681.5 ± 9.1
Mean 5.152 ± 0.045
Sigma 3.218 ± 0.046
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

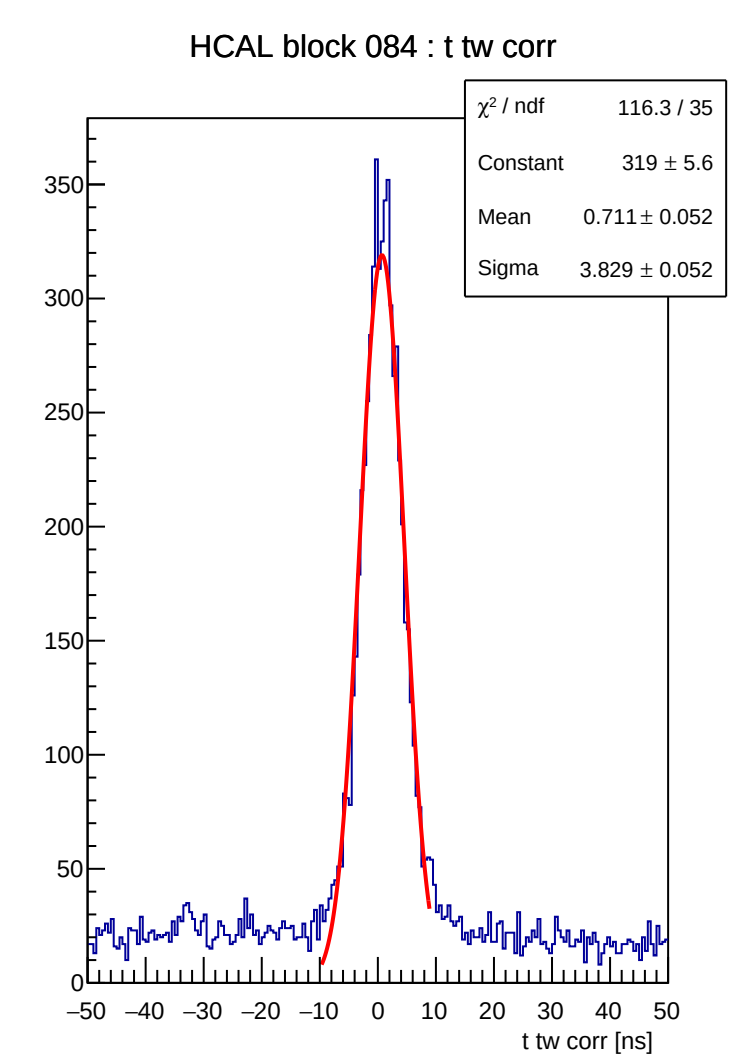

HCAL block 081 : t tw corr
χ² / ndf 16.75 / 19
Constant 735.3 ± 9.7
Mean −0.9076 ± 0.0366
Sigma 3.031 ± 0.039
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

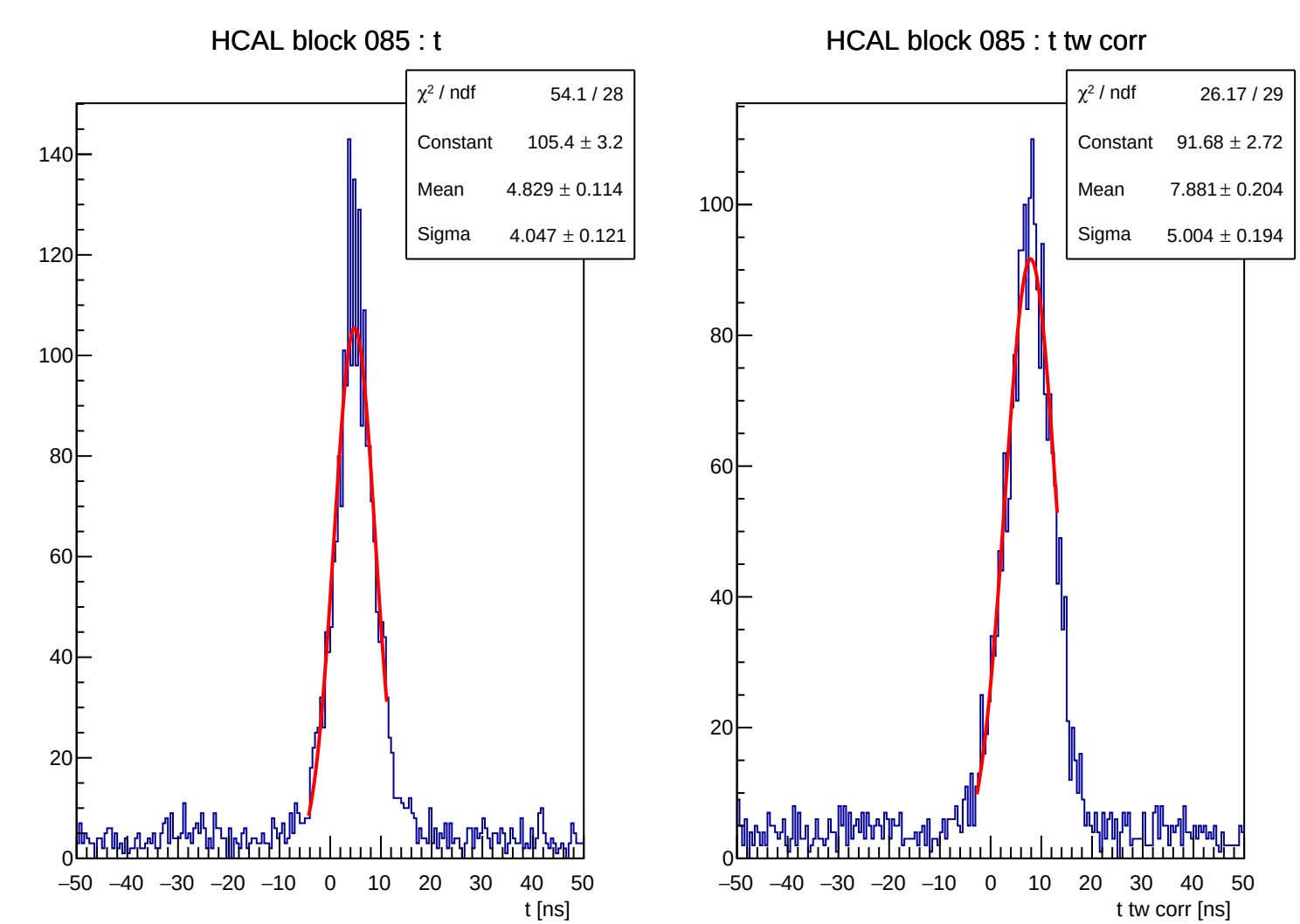

HCAL block 082 : t
χ² / ndf 123.1 / 18
Constant 548.2 ± 8.4
Mean 4.685 ± 0.053
Sigma 3.311 ± 0.061
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

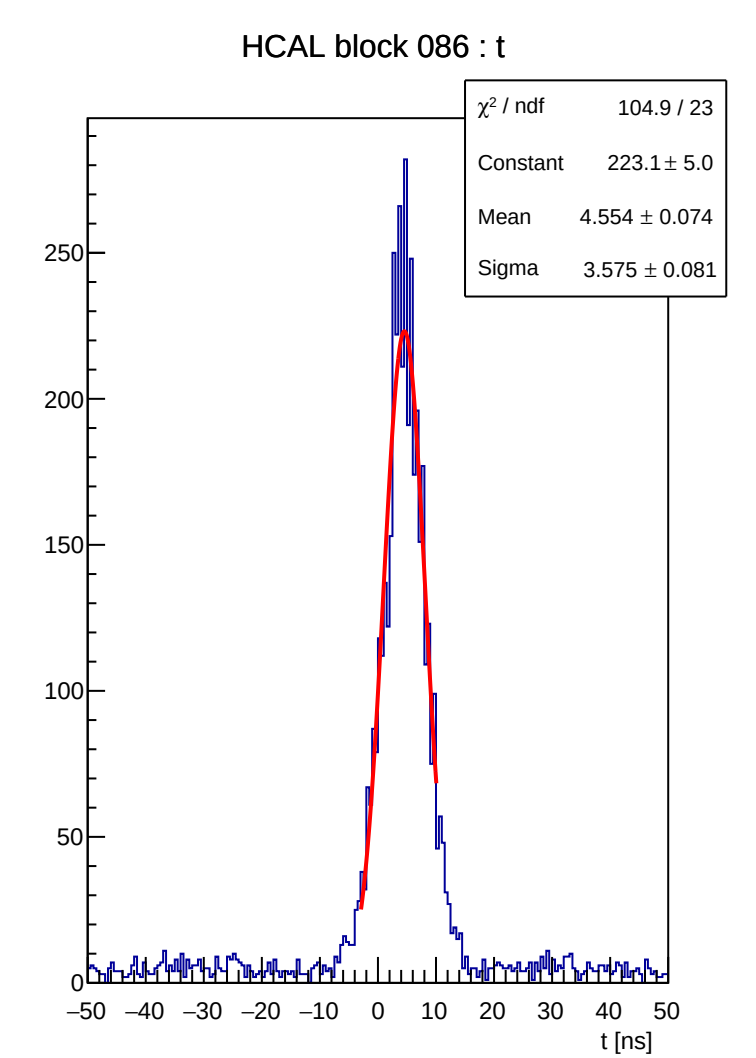

HCAL block 082 : t tw corr
χ² / ndf 14.17 / 18
Constant 604.7 ± 8.9
Mean −0.7387 ± 0.0414
Sigma 3.015 ± 0.045
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

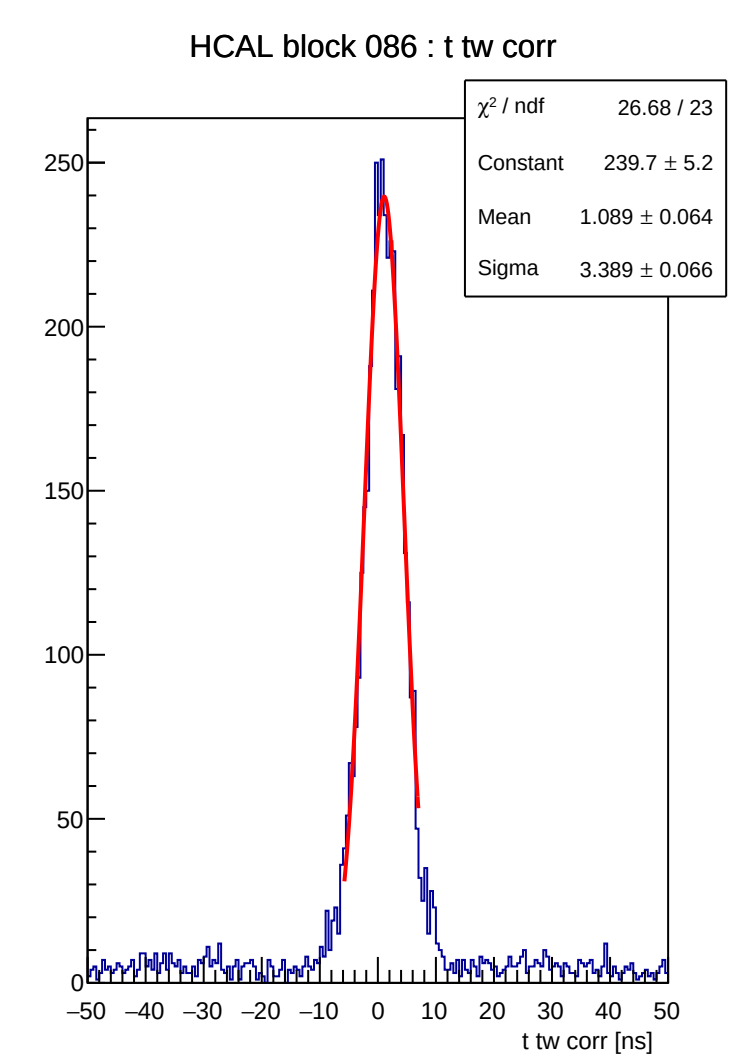

HCAL block 083 : t
χ² / ndf 148.3 / 25
Constant 608 ± 8.2
Mean 5.97 ± 0.04
Sigma 3.452 ± 0.042
t [ns]
HCAL block 083 : t tw corr
χ² / ndf 76.36 / 25
Constant 640.7 ± 8.5
Mean −0.2241± 0.0360
Sigma 3.288 ± 0.035
t tw corr [ns]

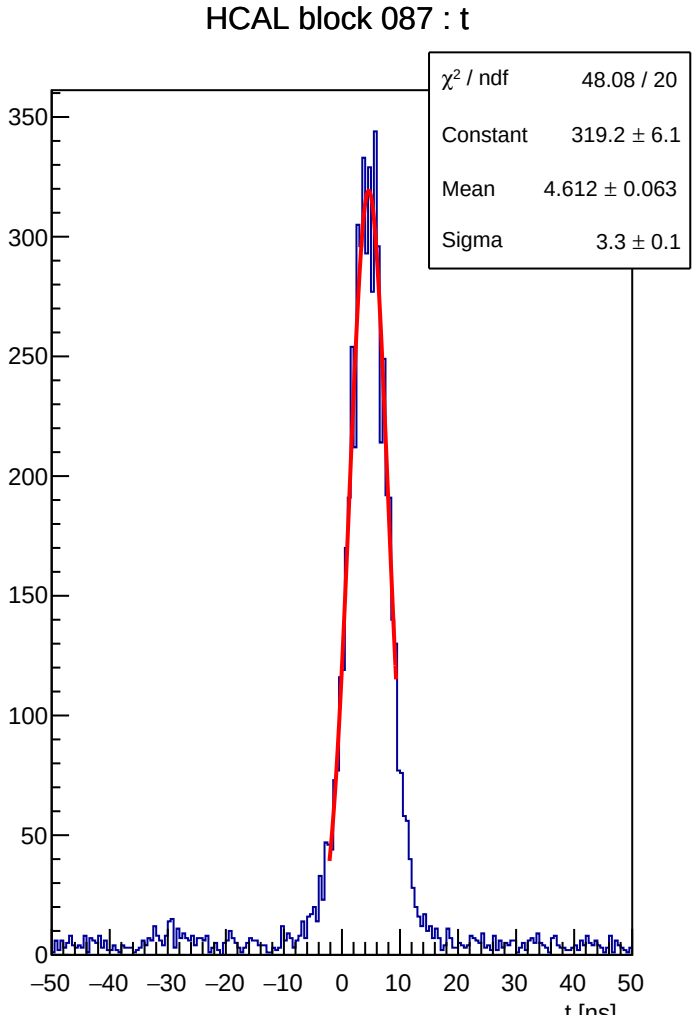

HCAL block 084 : t
χ² / ndf 235.6 / 35
Constant 303.7 ± 5.7
Mean 6.668 ± 0.062
Sigma 3.982 ± 0.068
t [ns]

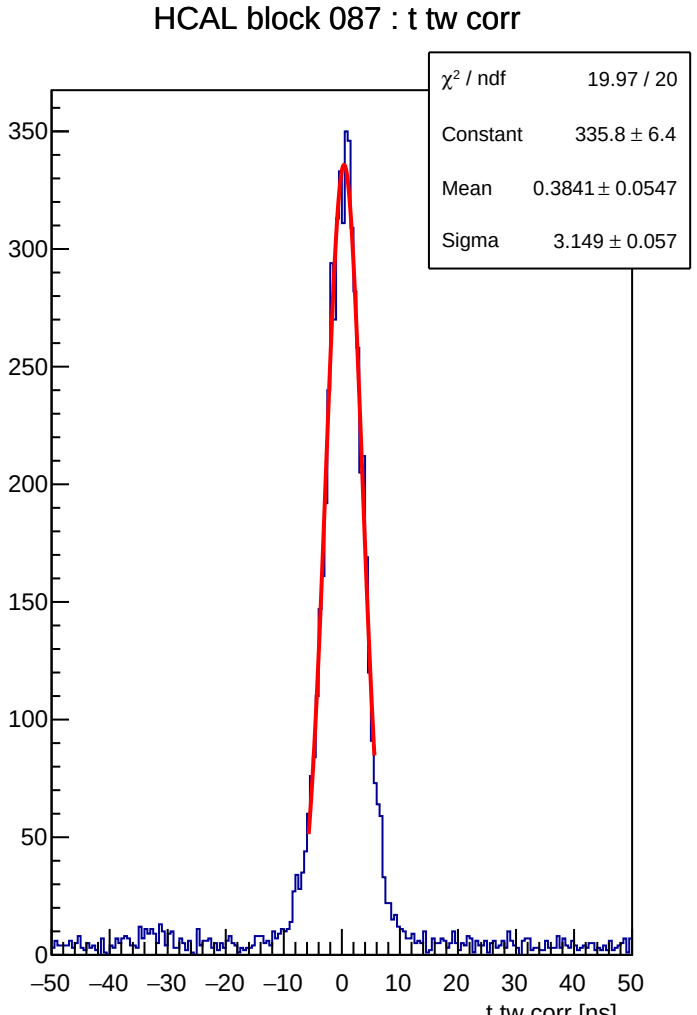

HCAL block 084 : t tw corr
χ² / ndf 116.3 / 35
Constant 319 ± 5.6
Mean 0.711 ± 0.052
Sigma 3.829 ± 0.052
t tw corr [ns]

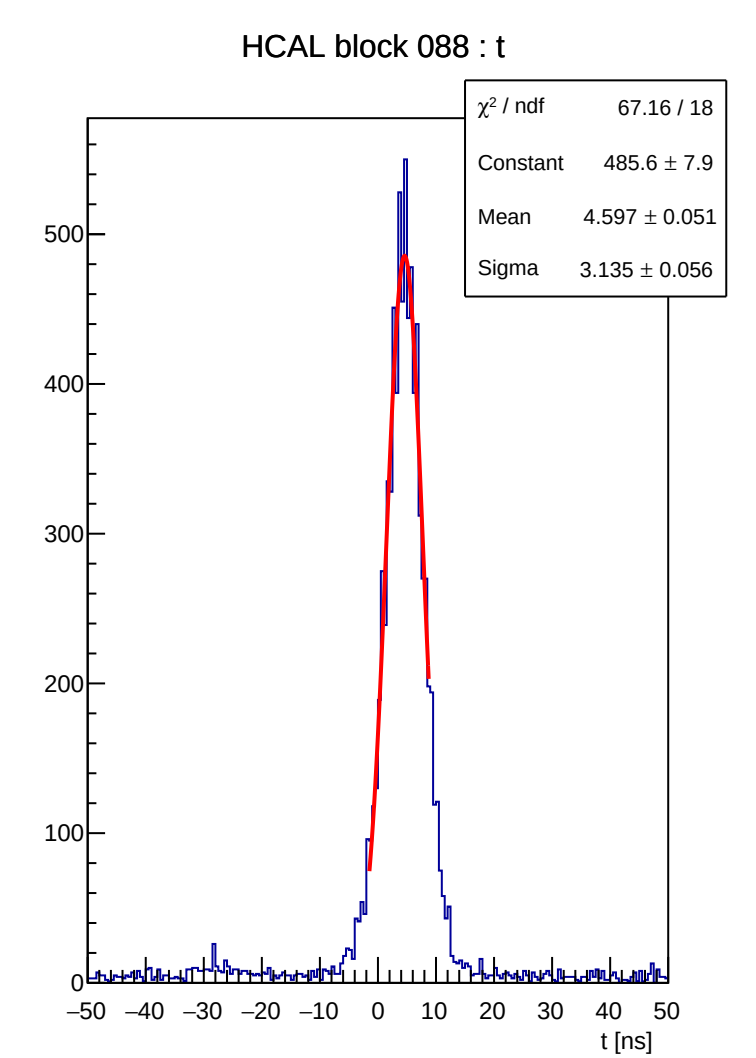

HCAL block 085 : t
χ² / ndf 54.1 / 28
Constant 105.4 ± 3.2
Mean 4.829 ± 0.114
Sigma 4.047 ± 0.121
t [ns]
HCAL block 085 : t tw corr
χ² / ndf 26.17 / 29
Constant 91.68 ± 2.72
Mean 7.881 ± 0.204
Sigma 5.004 ± 0.194
t tw corr [ns]

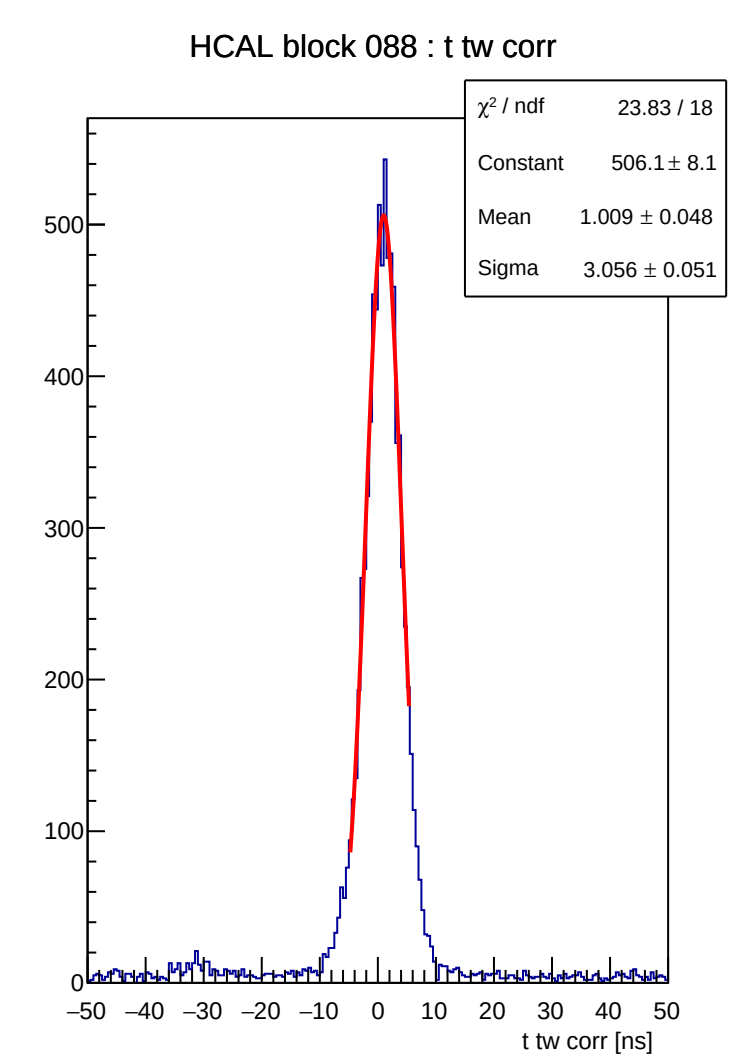

HCAL block 086 : t
χ² / ndf 104.9 / 23
Constant 223.1 ± 5.0
Mean 4.554 ± 0.074
Sigma 3.575 ± 0.081
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

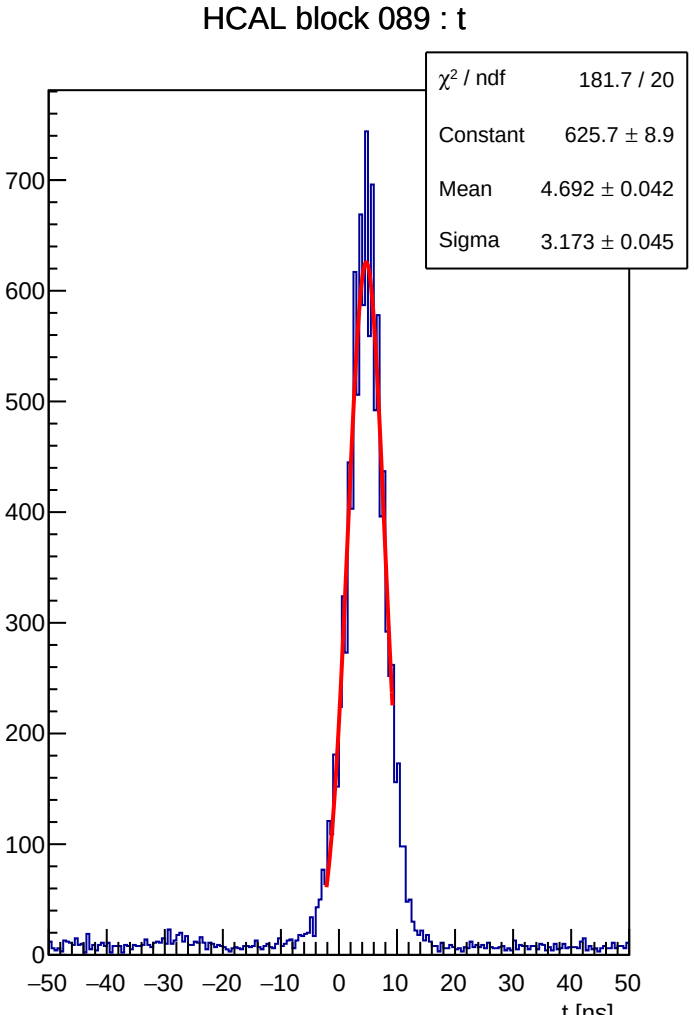

HCAL block 086 : t tw corr
χ² / ndf 26.68 / 23
Constant 239.7 ± 5.2
Mean 1.089 ± 0.064
Sigma 3.389 ± 0.066
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

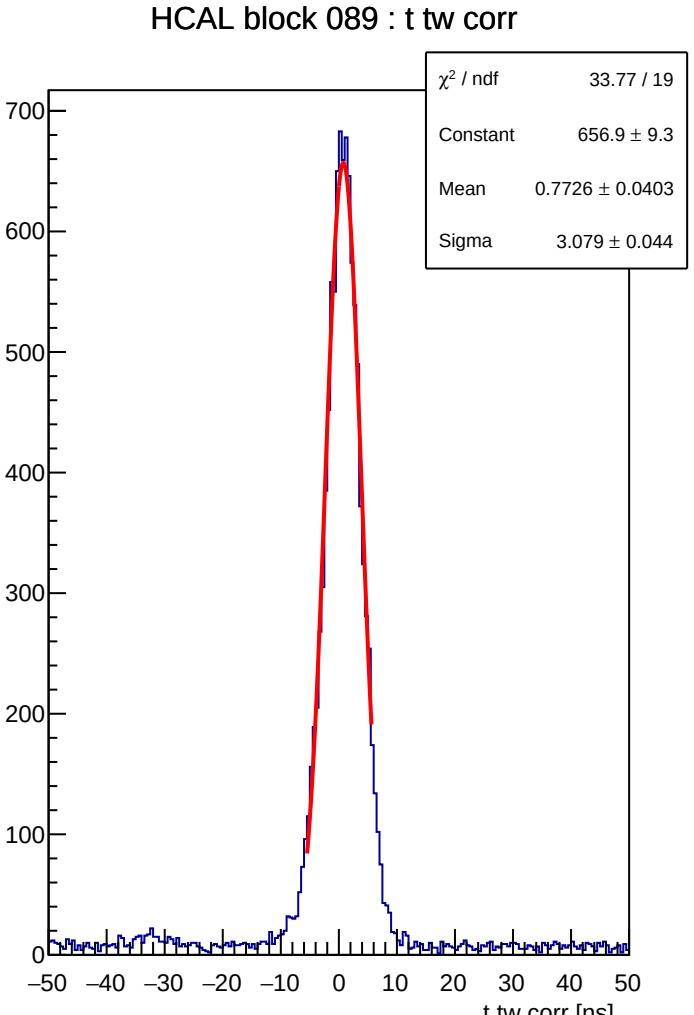

HCAL block 087 : t
χ² / ndf 48.08 / 20
Constant 319.2 ± 6.1
Mean 4.612 ± 0.063
Sigma 3.3 ± 0.1
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

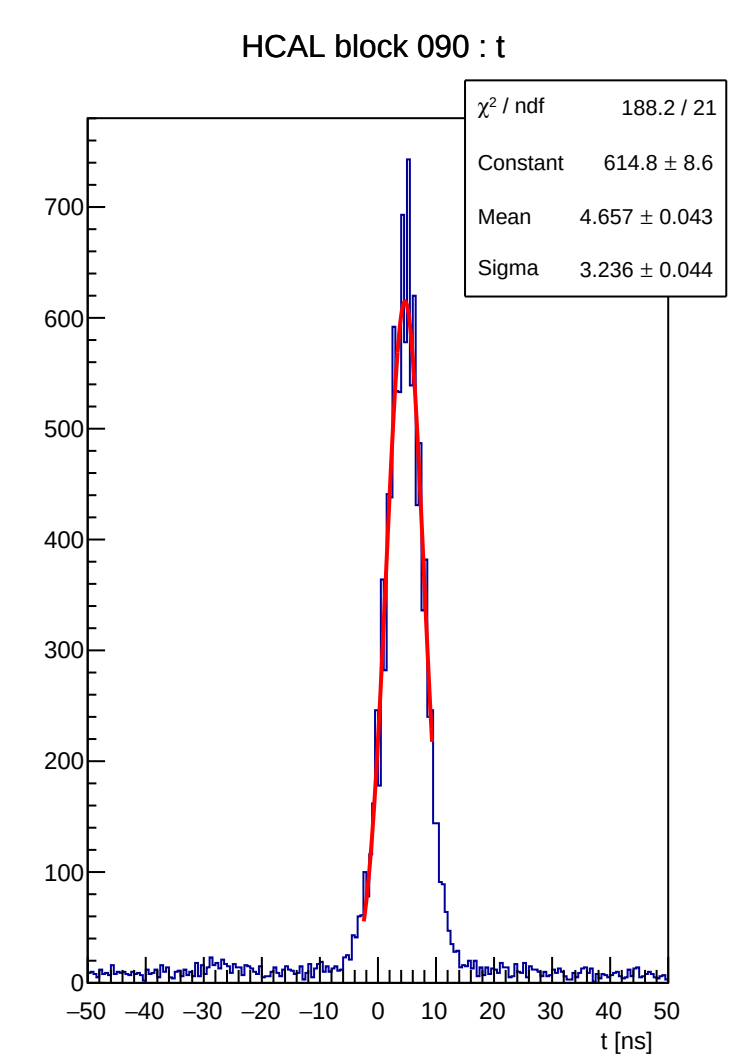

HCAL block 087 : t tw corr
χ² / ndf 19.97 / 20
Constant 335.8 ± 6.4
Mean 0.3841 ± 0.0547
Sigma 3.149 ± 0.057
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

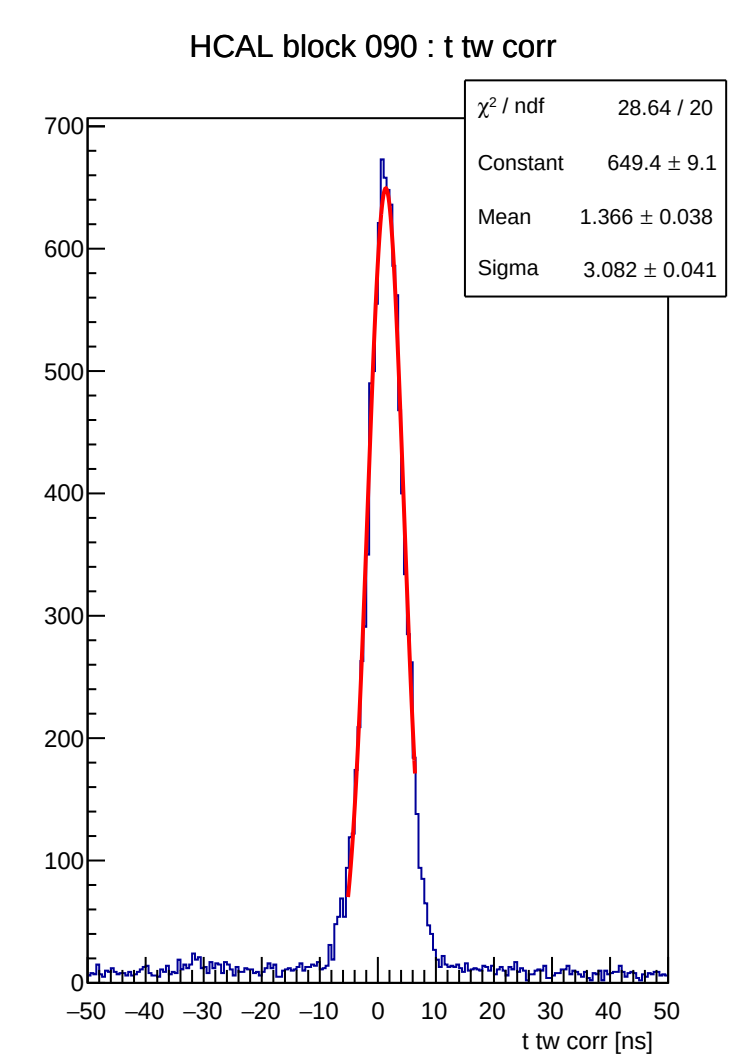

HCAL block 088 : t
χ² / ndf 67.16 / 18
Constant 485.6 ± 7.9
Mean 4.597 ± 0.051
Sigma 3.135 ± 0.056
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

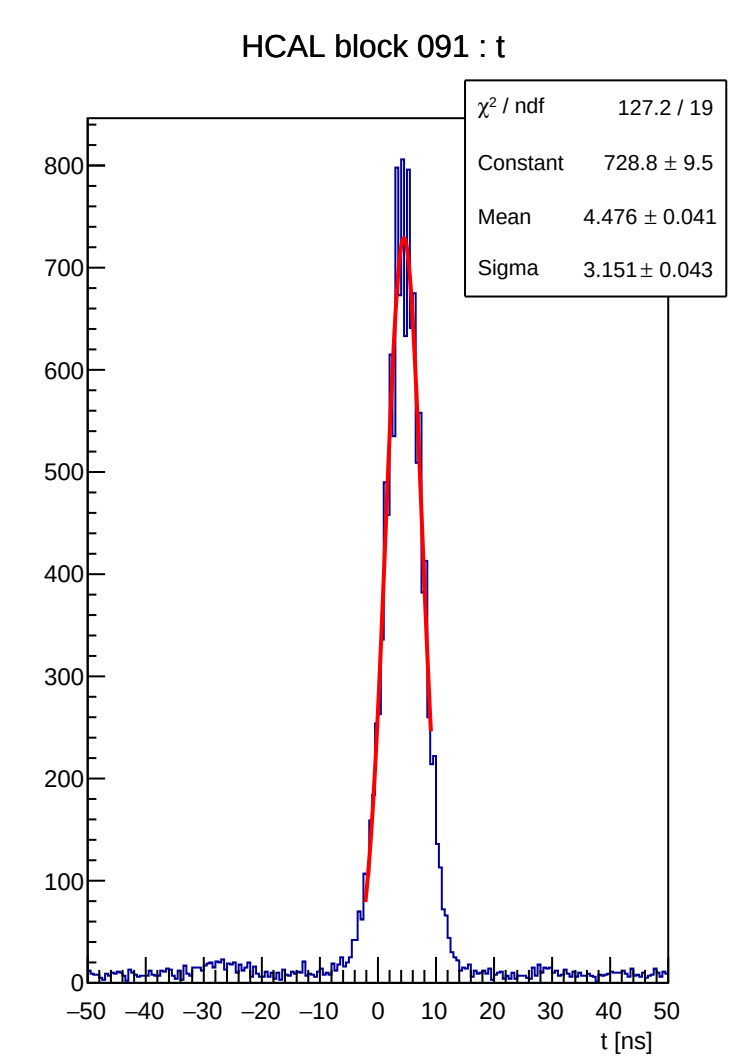

HCAL block 088 : t tw corr
χ² / ndf 23.83 / 18
Constant 506.1 ± 8.1
Mean 1.009 ± 0.048
Sigma 3.056 ± 0.051
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

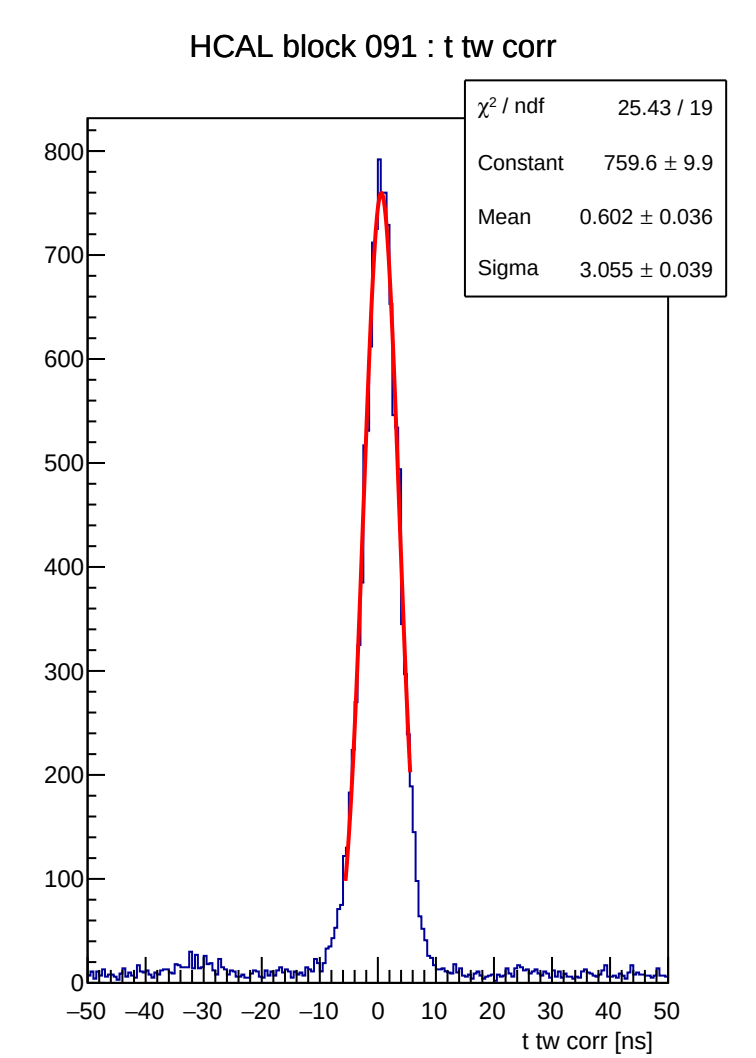

HCAL block 089 : t
χ² / ndf 181.7 / 20
Constant 625.7 ± 8.9
Mean 4.692 ± 0.042
Sigma 3.173 ± 0.045
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

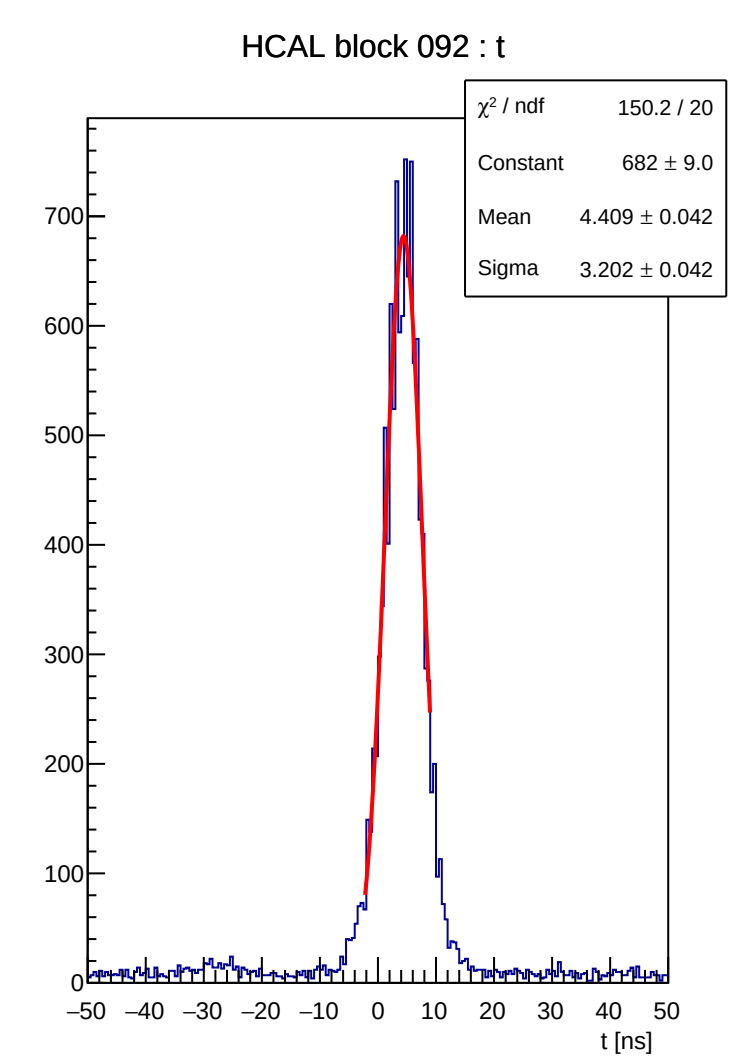

HCAL block 089 : t tw corr
χ² / ndf 33.77 / 19
Constant 656.9 ± 9.3
Mean 0.7726 ± 0.0403
Sigma 3.079 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

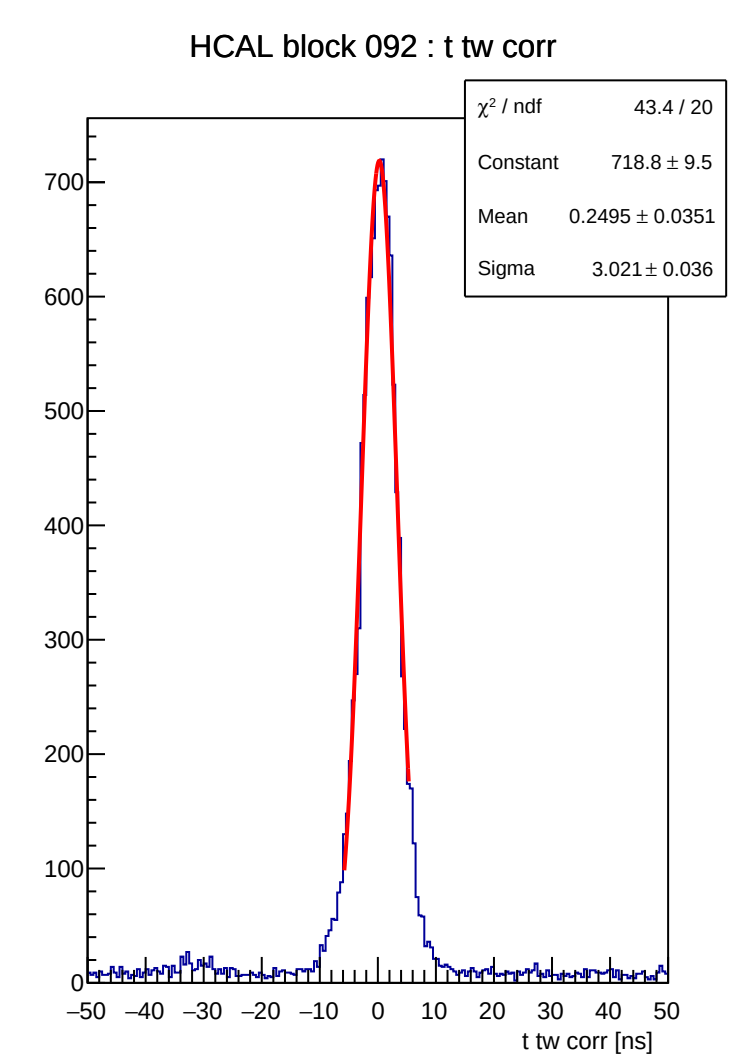

HCAL block 090 : t
χ² / ndf 188.2 / 21
Constant 614.8 ± 8.6
Mean 4.657 ± 0.043
Sigma 3.236 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

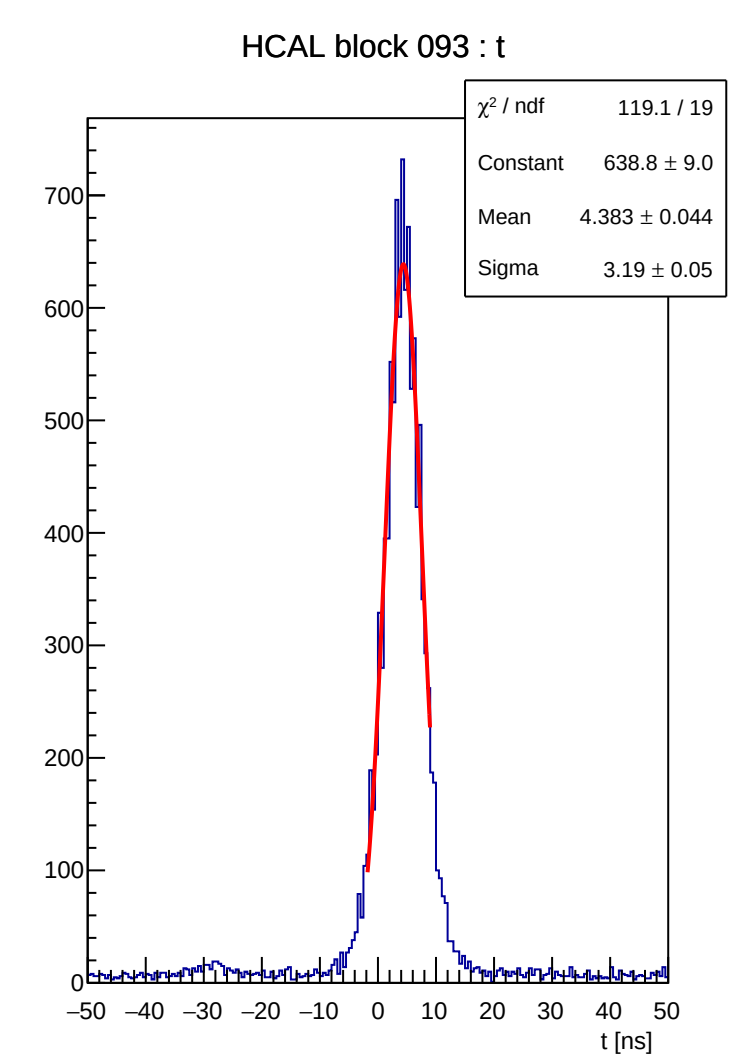

HCAL block 090 : t tw corr
χ² / ndf 28.64 / 20
Constant 649.4 ± 9.1
Mean 1.366 ± 0.038
Sigma 3.082 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

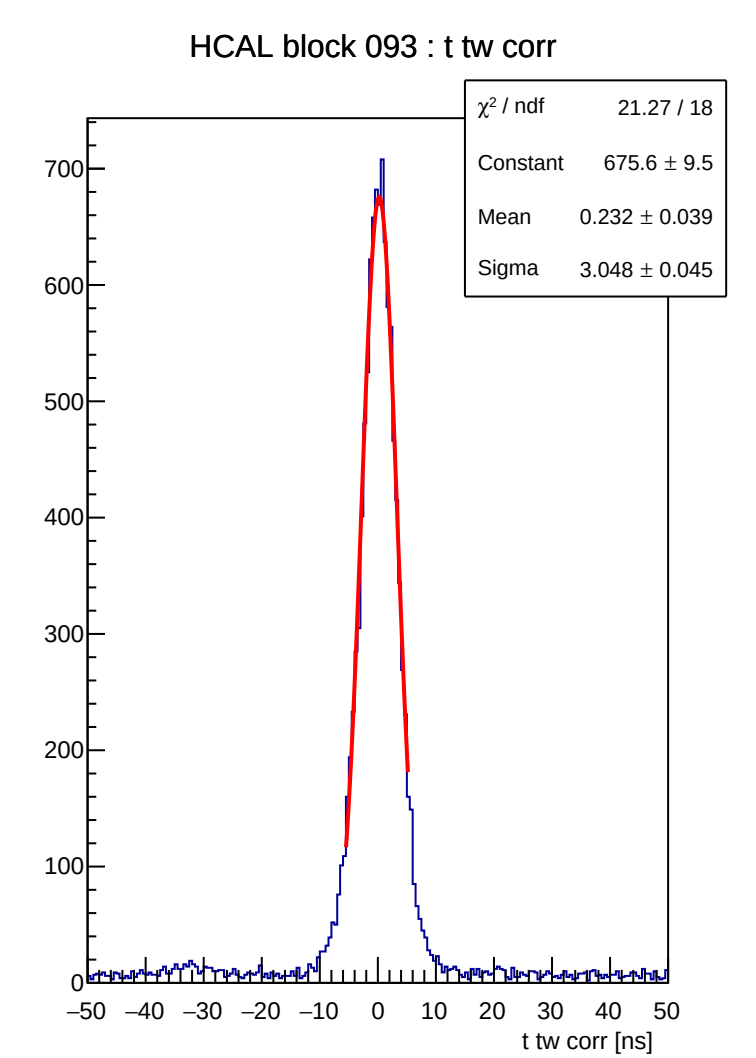

HCAL block 091 : t
χ² / ndf 127.2 / 19
Constant 728.8 ± 9.5
Mean 4.476 ± 0.041
Sigma 3.151 ± 0.043
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

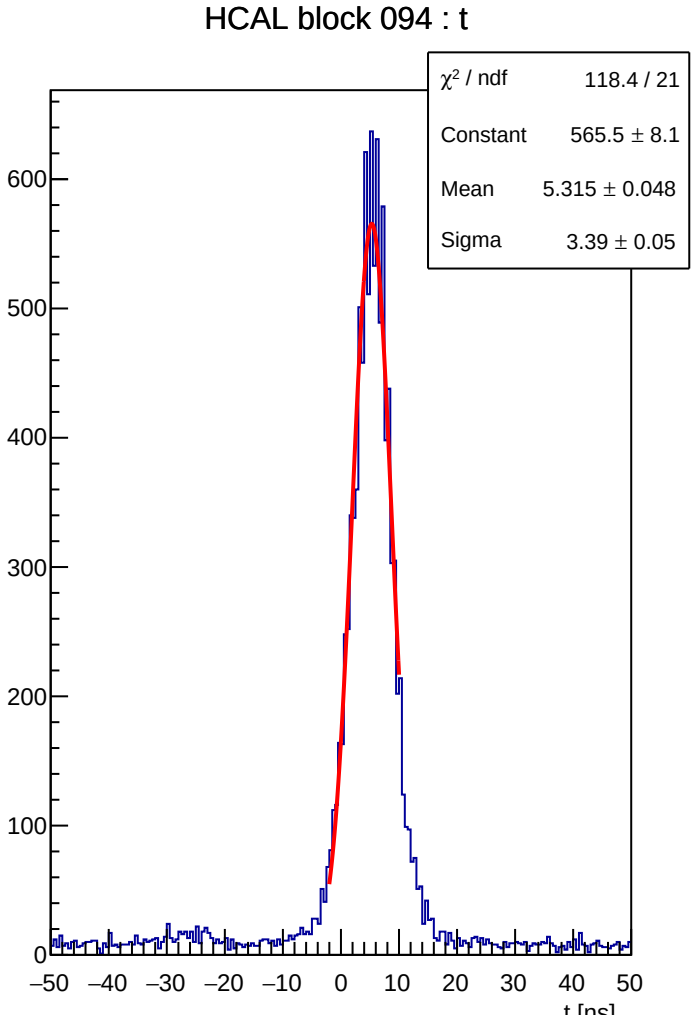

HCAL block 091 : t tw corr
χ² / ndf 25.43 / 19
Constant 759.6 ± 9.9
Mean 0.602 ± 0.036
Sigma 3.055 ± 0.039
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

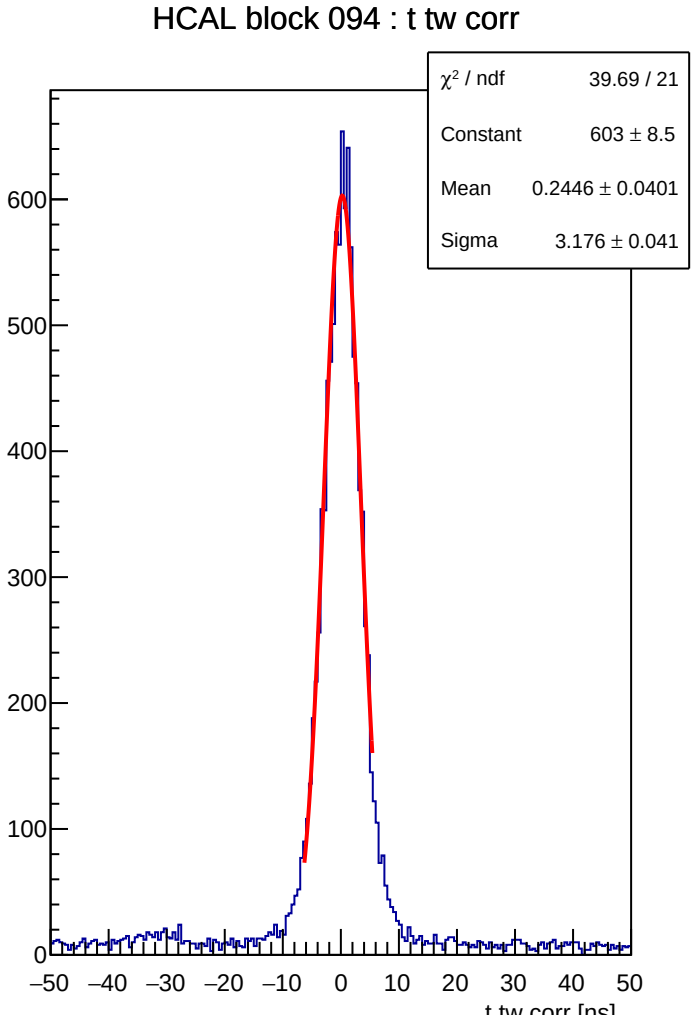

HCAL block 092 : t
χ² / ndf 150.2 / 20
Constant 682 ± 9.0
Mean 4.409 ± 0.042
Sigma 3.202 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

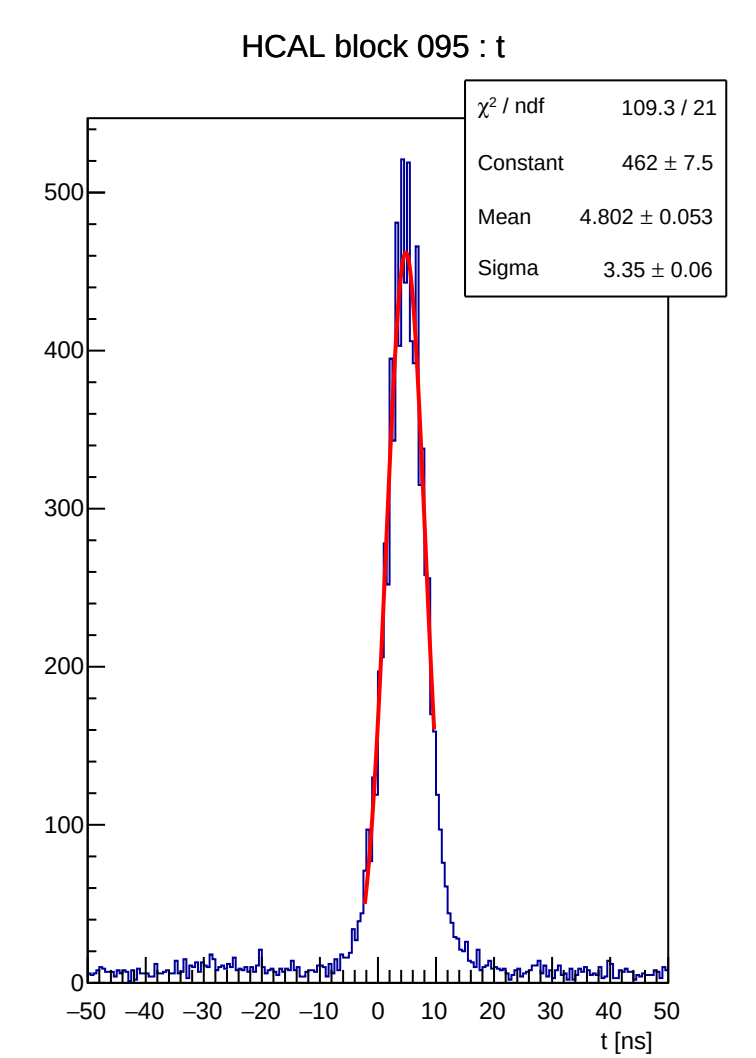

HCAL block 092 : t tw corr
χ² / ndf 43.4 / 20
Constant 718.8 ± 9.5
Mean 0.2495 ± 0.0351
Sigma 3.021 ± 0.036
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

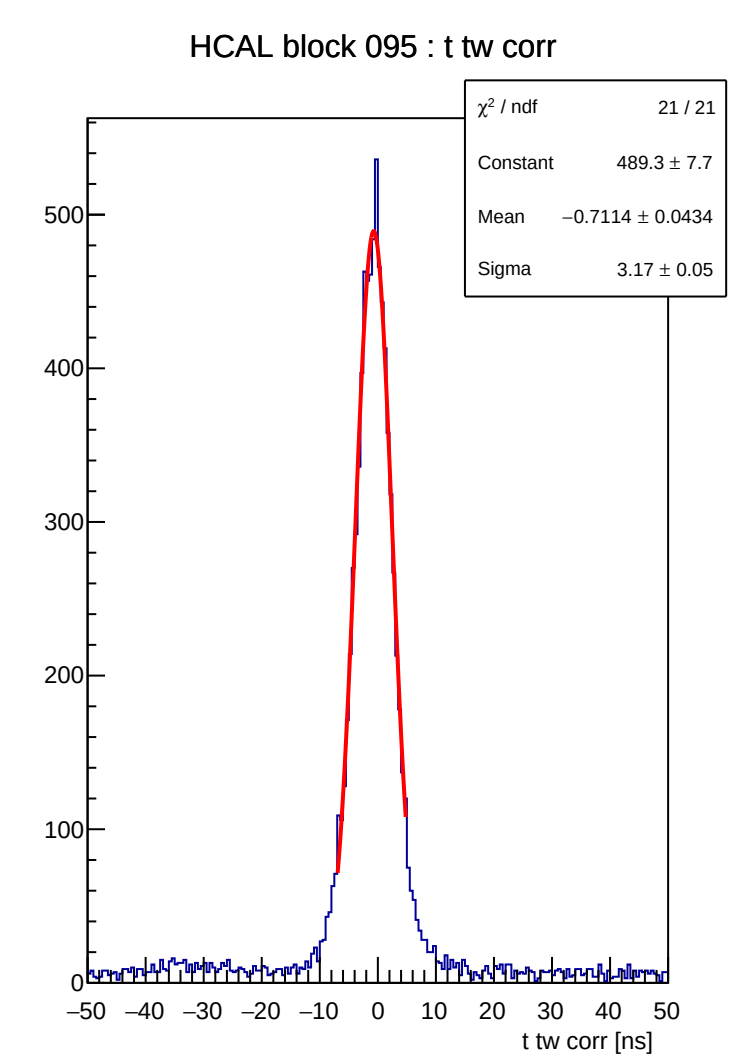

HCAL block 093 : t
χ² / ndf 119.1 / 19
Constant 638.8 ± 9.0
Mean 4.383 ± 0.044
Sigma 3.19 ± 0.05
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

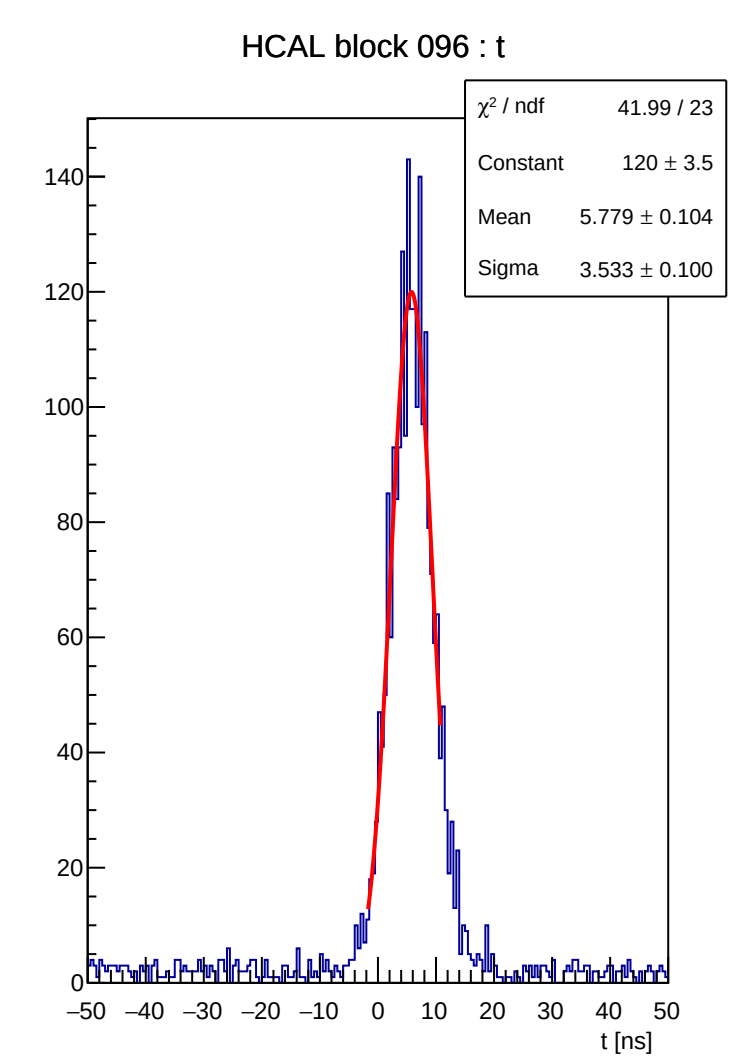

HCAL block 093 : t tw corr
χ² / ndf 21.27 / 18
Constant 675.6 ± 9.5
Mean 0.232 ± 0.039
Sigma 3.048 ± 0.045
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

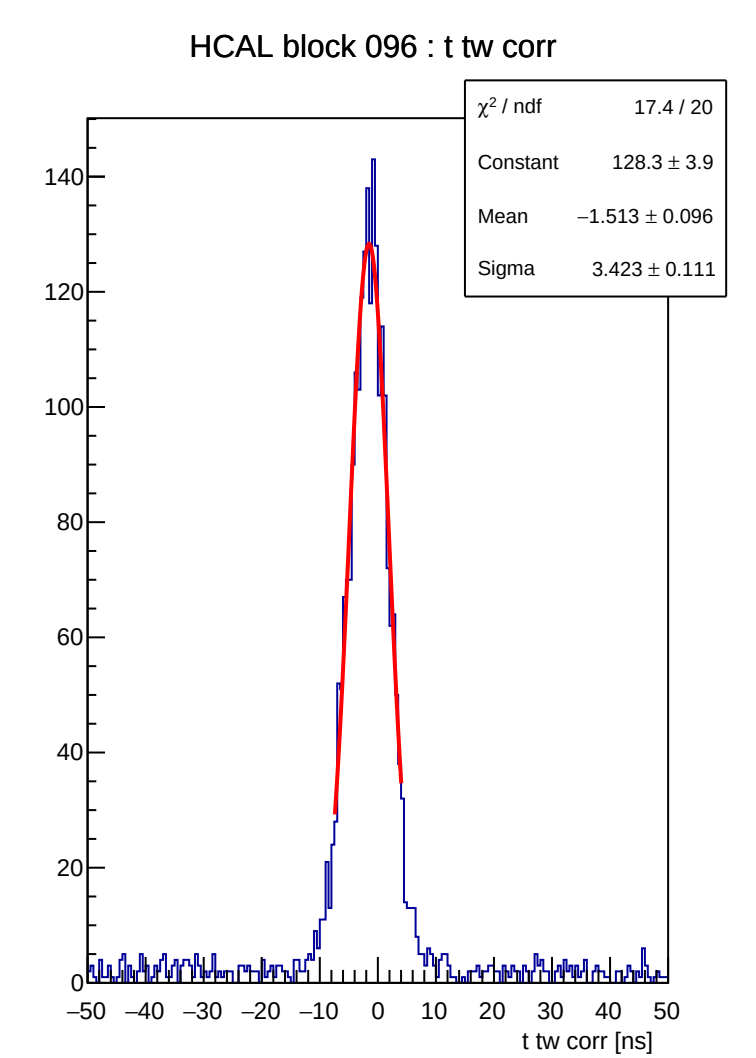

HCAL block 094 : t
χ² / ndf 118.4 / 21
Constant 565.5 ± 8.1
Mean 5.315 ± 0.048
Sigma 3.39 ± 0.05
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

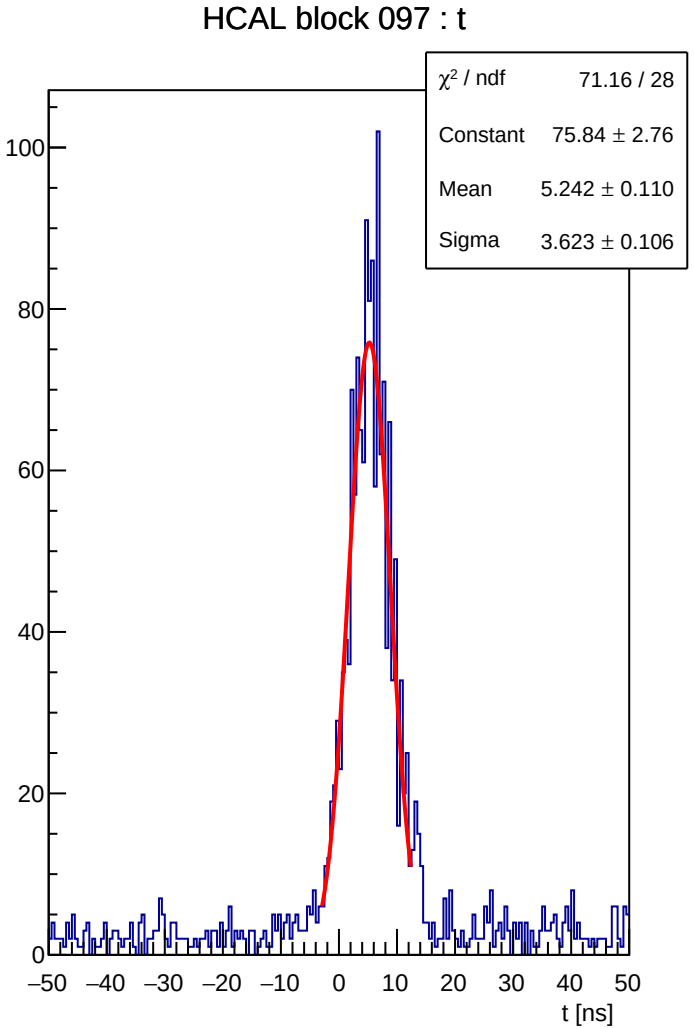

HCAL block 094 : t tw corr
χ² / ndf 39.69 / 21
Constant 603 ± 8.5
Mean 0.2446 ± 0.0401
Sigma 3.176 ± 0.041
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

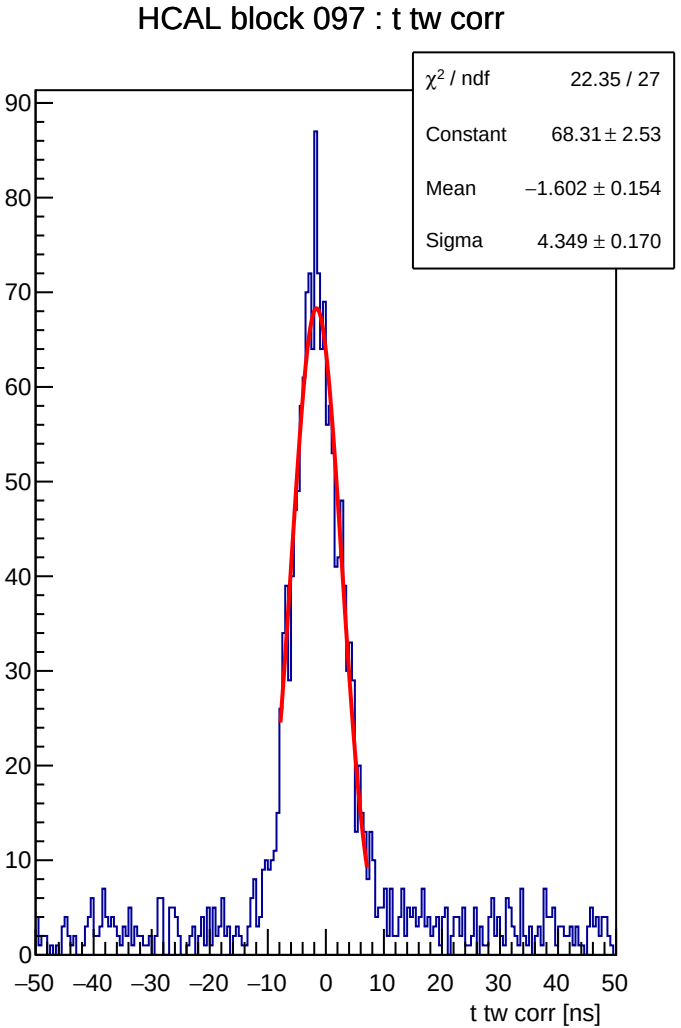

HCAL block 095 : t
χ² / ndf 109.3 / 21
Constant 462 ± 7.5
Mean 4.802 ± 0.053
Sigma 3.35 ± 0.06
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

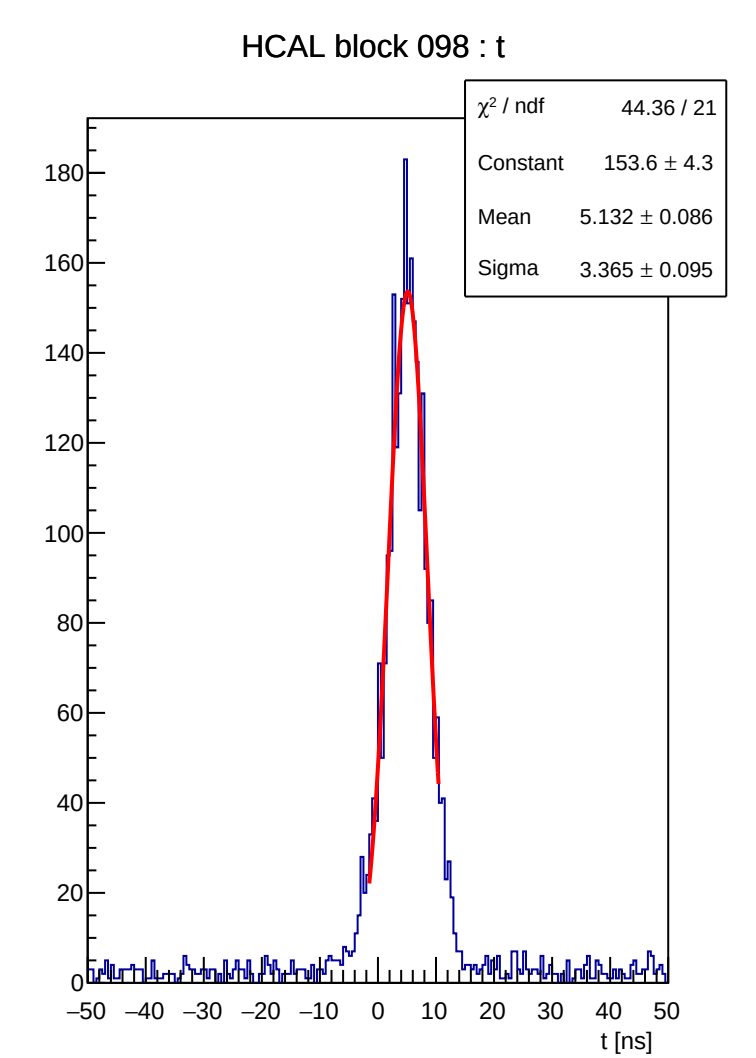

HCAL block 095 : t tw corr
χ² / ndf 21 / 21
Constant 489.3 ± 7.7
Mean −0.7114 ± 0.0434
Sigma 3.17 ± 0.05
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

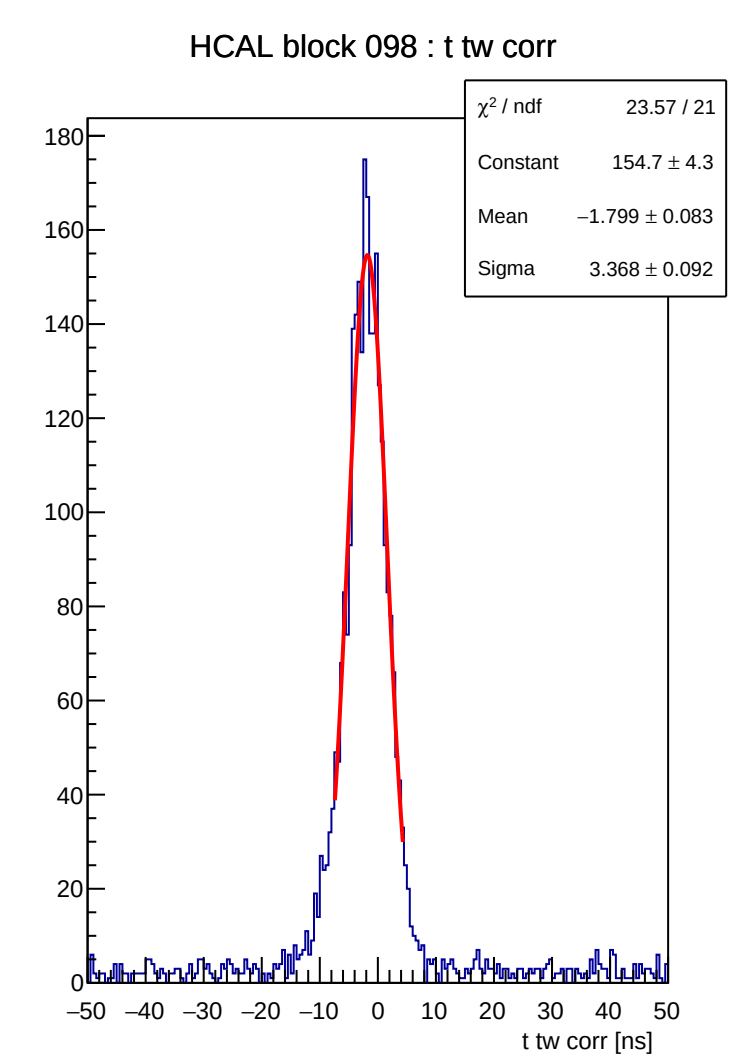

HCAL block 096 : t
χ² / ndf 41.99 / 23
Constant 120 ± 3.5
Mean 5.779 ± 0.104
Sigma 3.533 ± 0.100
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

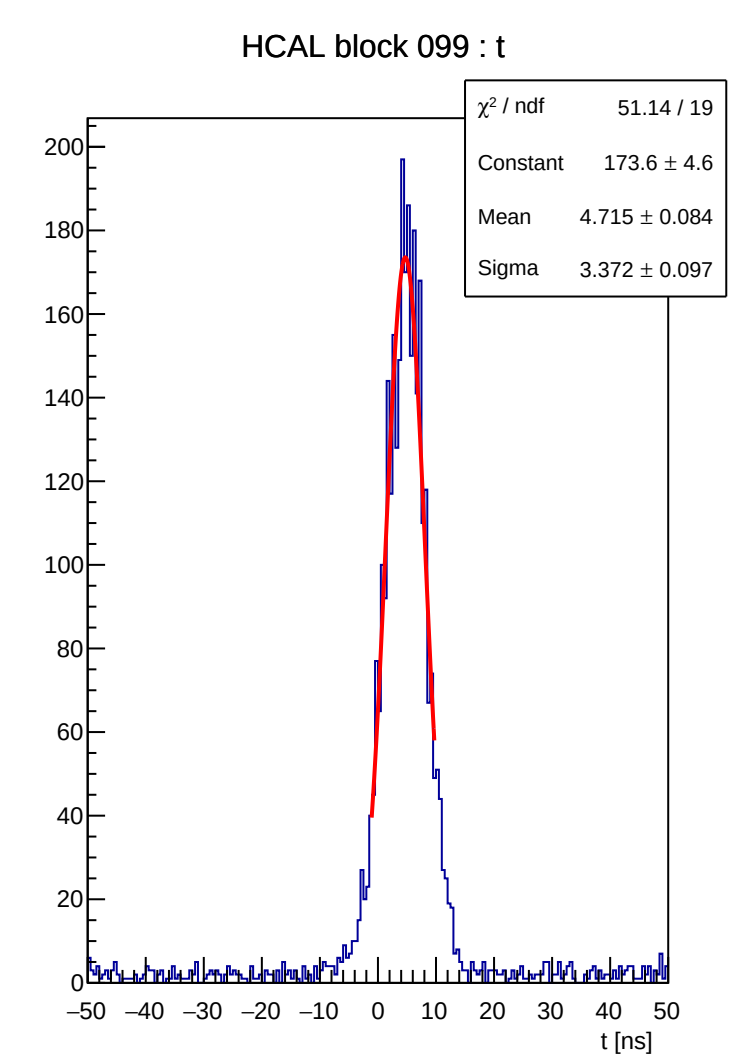

HCAL block 096 : t tw corr
χ² / ndf 17.4 / 20
Constant 128.3 ± 3.9
Mean –1.513 ± 0.096
Sigma 3.423 ± 0.111
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

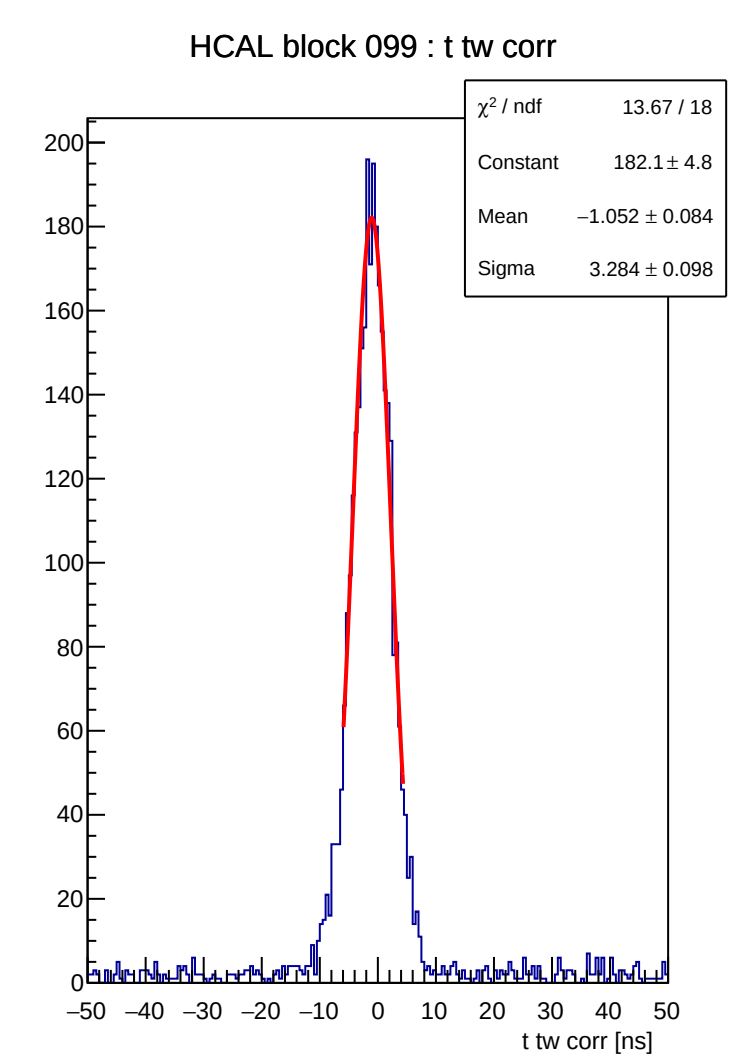

HCAL block 097 : t
χ² / ndf 71.16 / 28
Constant 75.84 ± 2.76
Mean 5.242 ± 0.110
Sigma 3.623 ± 0.106
t [ns]

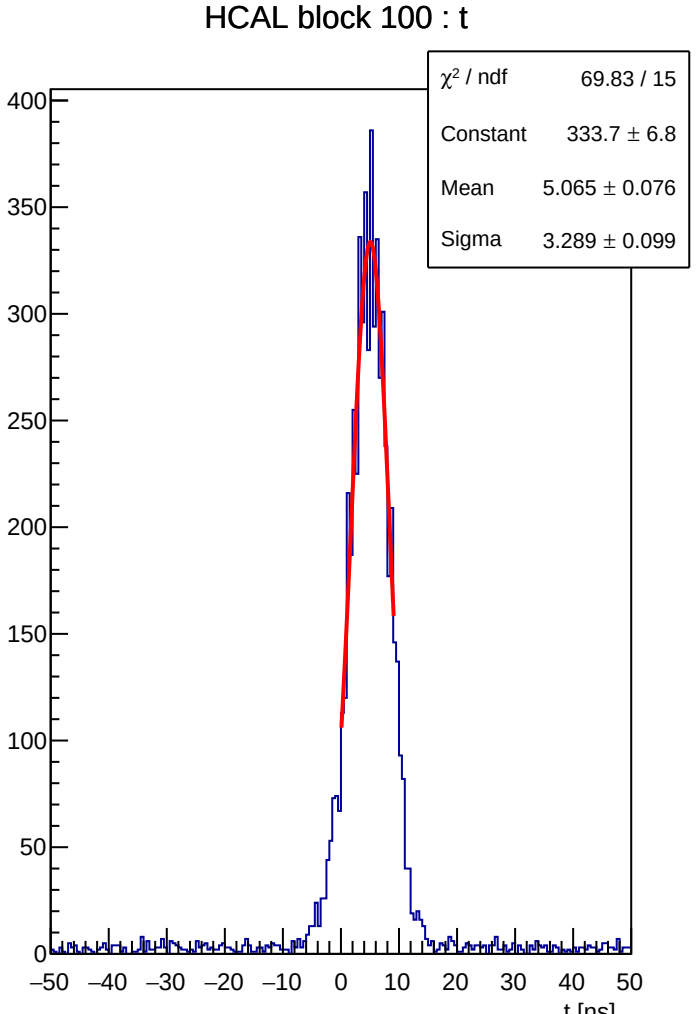

HCAL block 097 : t tw corr
χ² / ndf 22.35 / 27
Constant 68.31 ± 2.53
Mean −1.602 ± 0.154
Sigma 4.349 ± 0.170
t tw corr [ns]

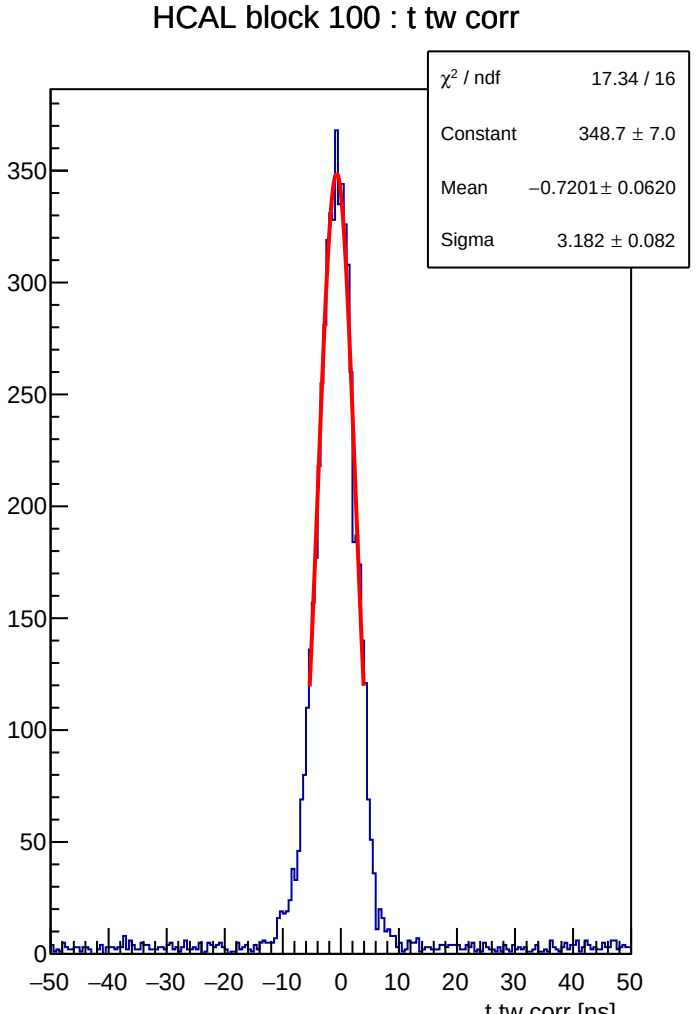

HCAL block 098 : t
χ² / ndf 44.36 / 21
Constant 153.6 ± 4.3
Mean 5.132 ± 0.086
Sigma 3.365 ± 0.095
t [ns]

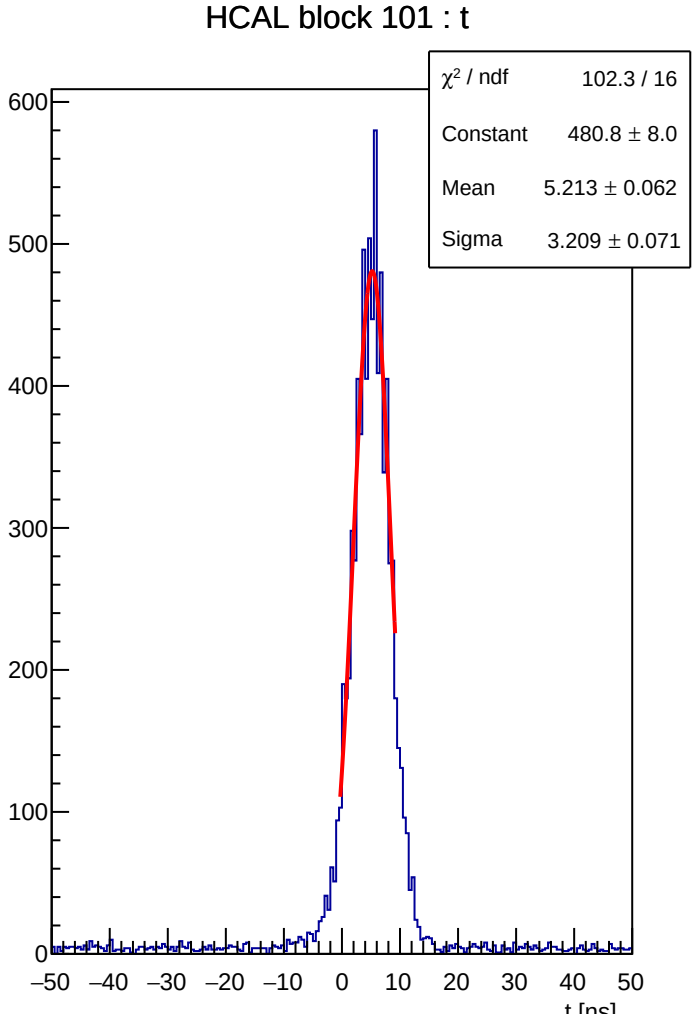

HCAL block 098 : t tw corr
χ² / ndf 23.57 / 21
Constant 154.7 ± 4.3
Mean −1.799 ± 0.083
Sigma 3.368 ± 0.092
t tw corr [ns]

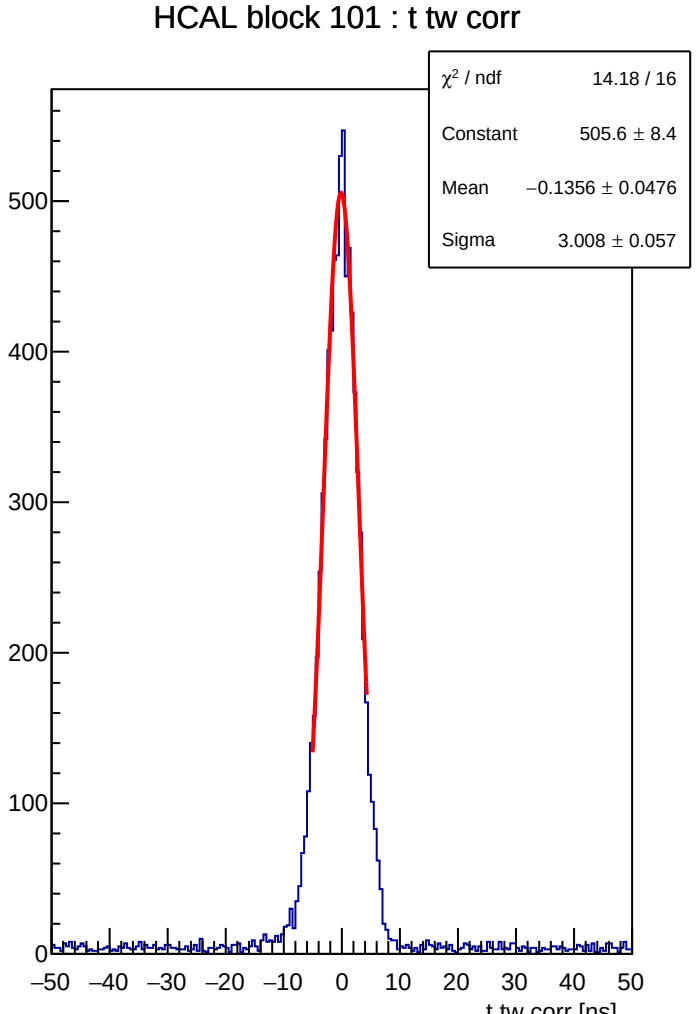

HCAL block 099 : t
χ² / ndf 51.14 / 19
Constant 173.6 ± 4.6
Mean 4.715 ± 0.084
Sigma 3.372 ± 0.097
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

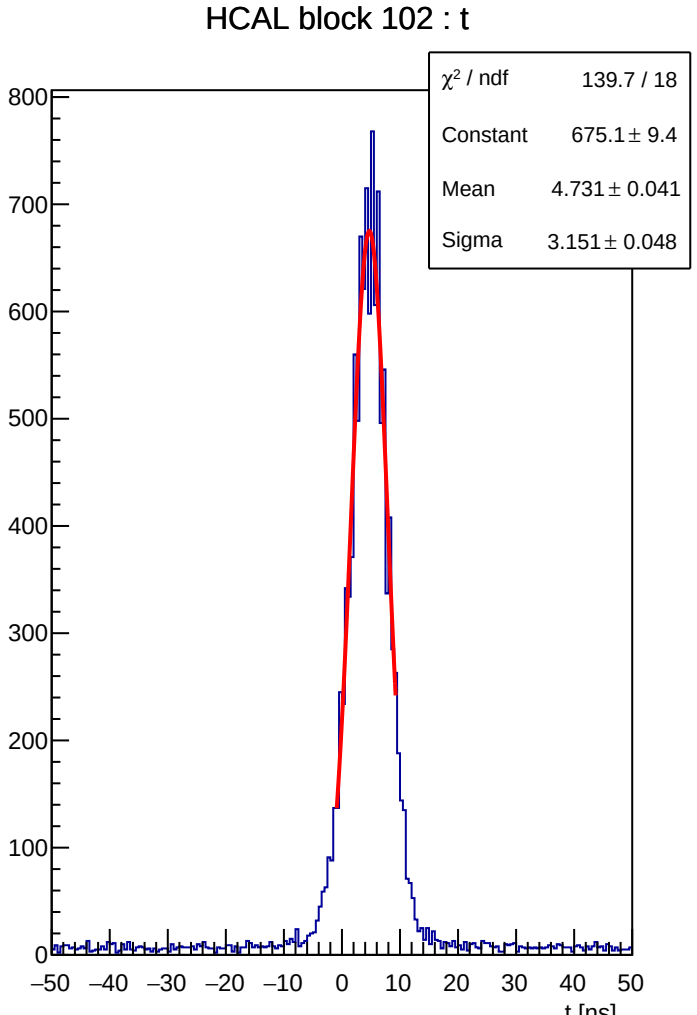

HCAL block 099 : t tw corr
χ² / ndf 13.67 / 18
Constant 182.1 ± 4.8
Mean –1.052 ± 0.084
Sigma 3.284 ± 0.098
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

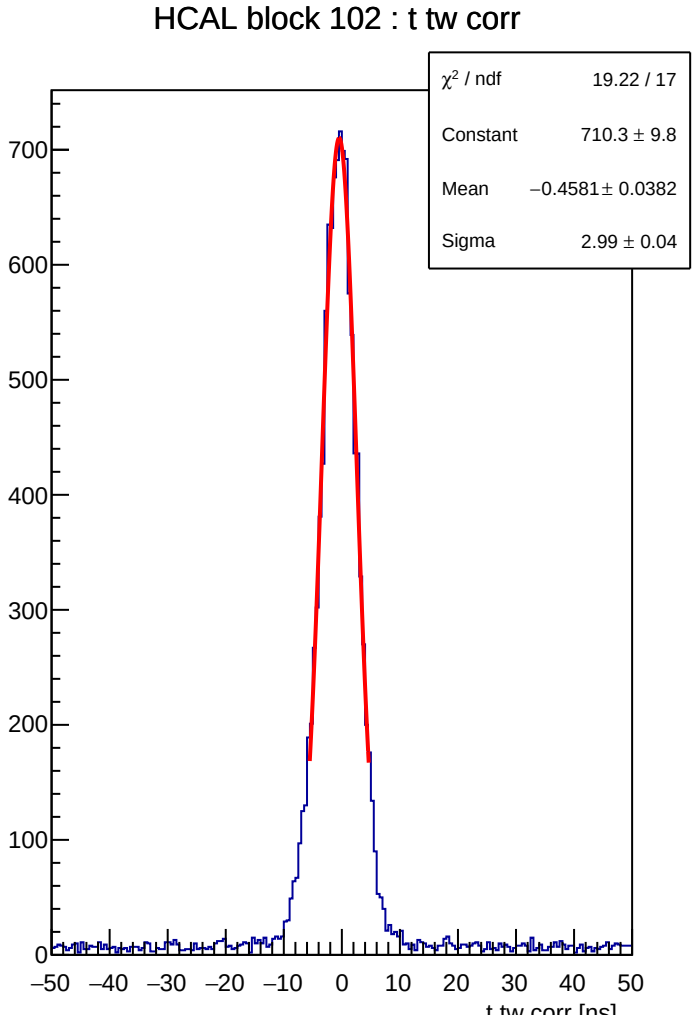

HCAL block 100 : t
χ² / ndf 69.83 / 15
Constant 333.7 ± 6.8
Mean 5.065 ± 0.076
Sigma 3.289 ± 0.099
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

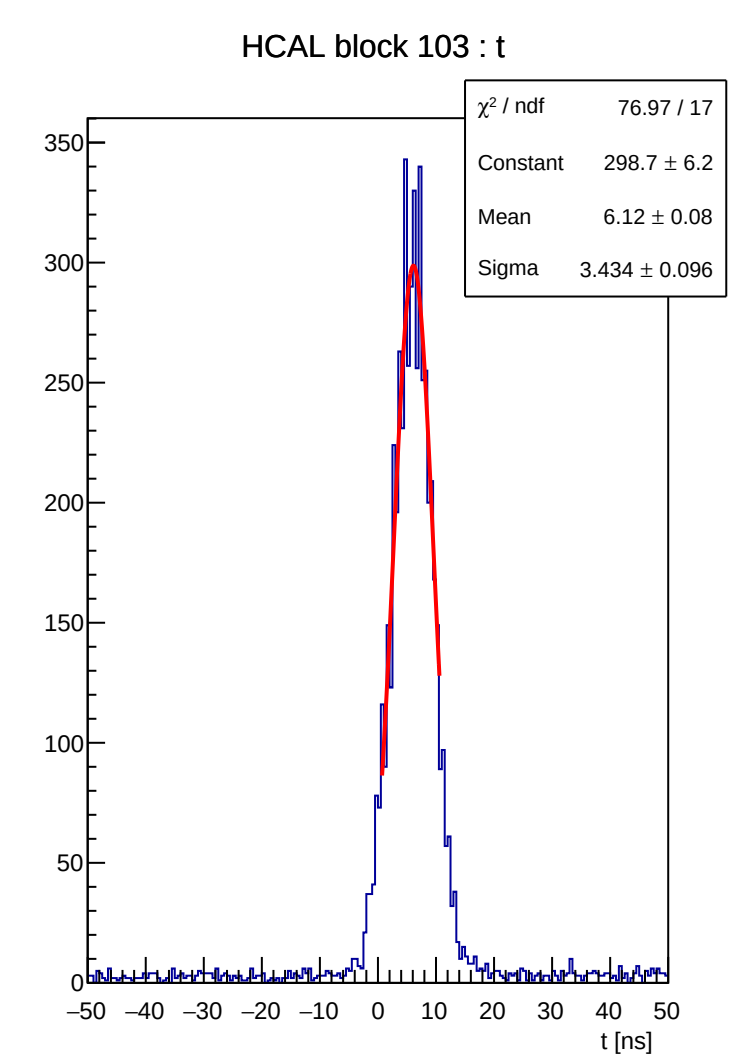

HCAL block 100 : t tw corr
χ² / ndf 17.34 / 16
Constant 348.7 ± 7.0
Mean −0.7201 ± 0.0620
Sigma 3.182 ± 0.082
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

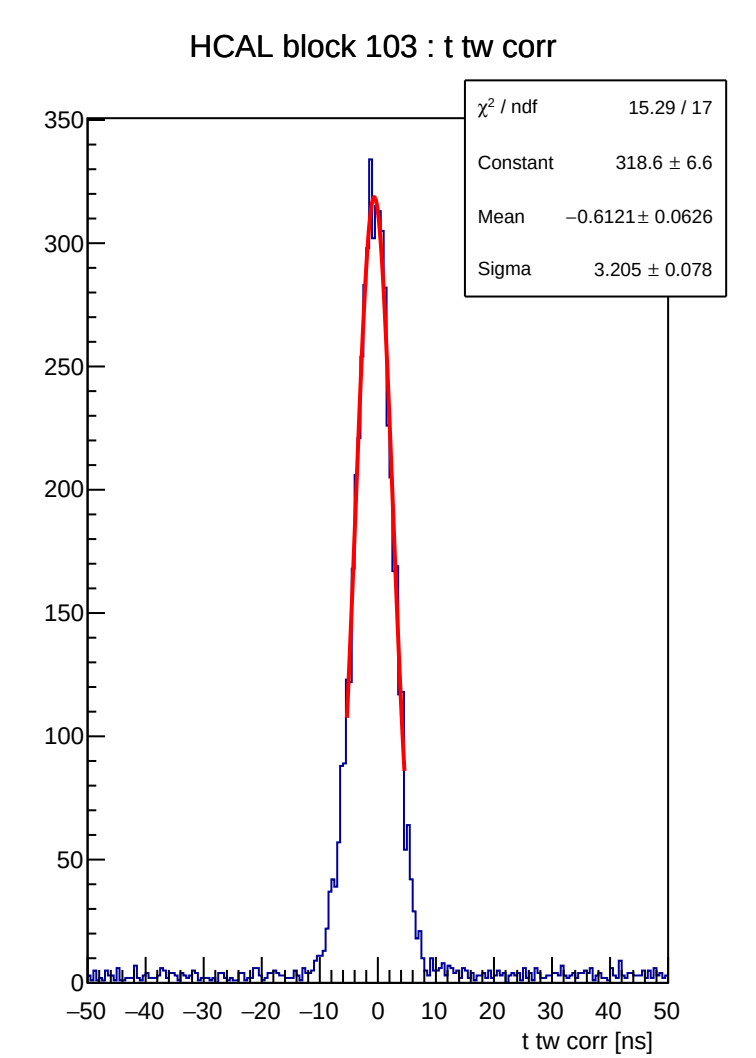

HCAL block 101 : t
χ² / ndf 102.3 / 16
Constant 480.8 ± 8.0
Mean 5.213 ± 0.062
Sigma 3.209 ± 0.071
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

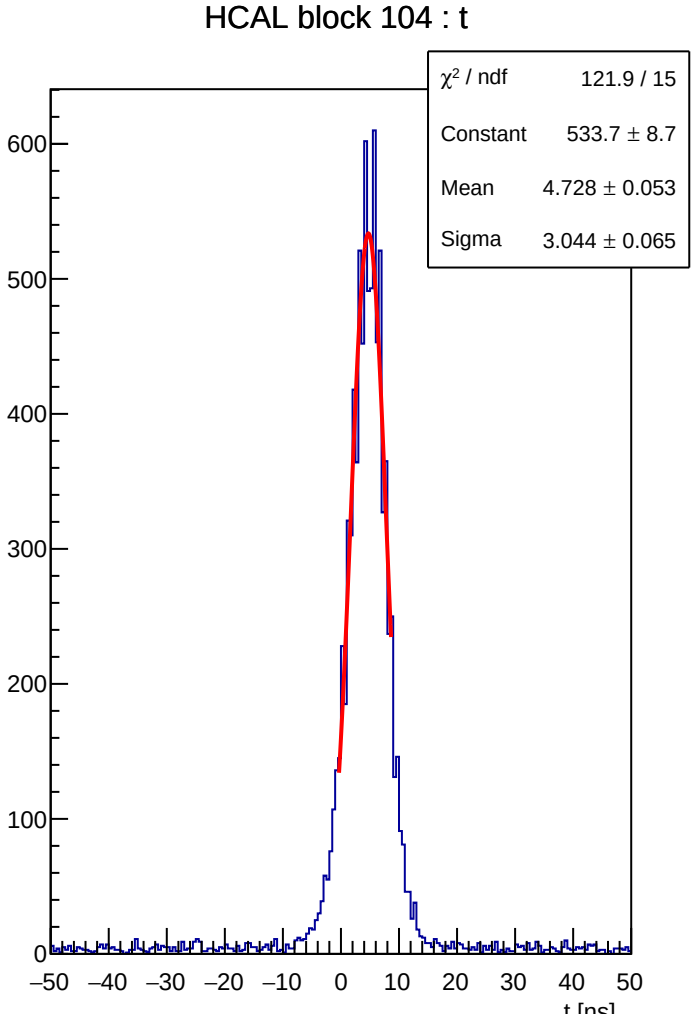

HCAL block 101 : t tw corr
χ² / ndf 14.18 / 16
Constant 505.6 ± 8.4
Mean −0.1356 ± 0.0476
Sigma 3.008 ± 0.057
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

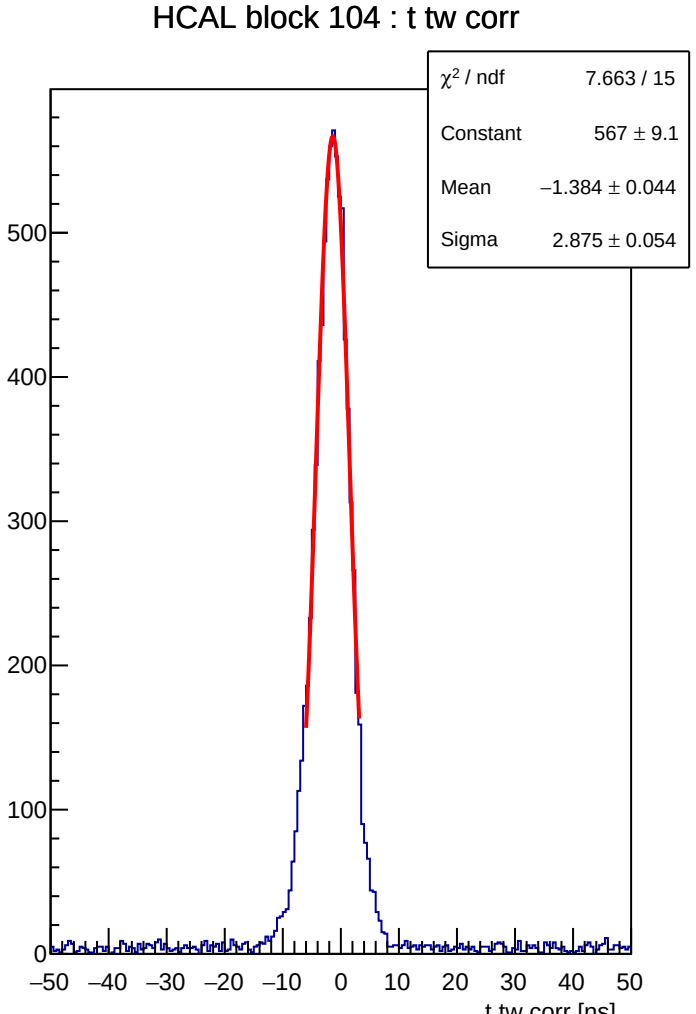

HCAL block 102 : t
χ² / ndf 139.7 / 18
Constant 675.1 ± 9.4
Mean 4.731 ± 0.041
Sigma 3.151 ± 0.048
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

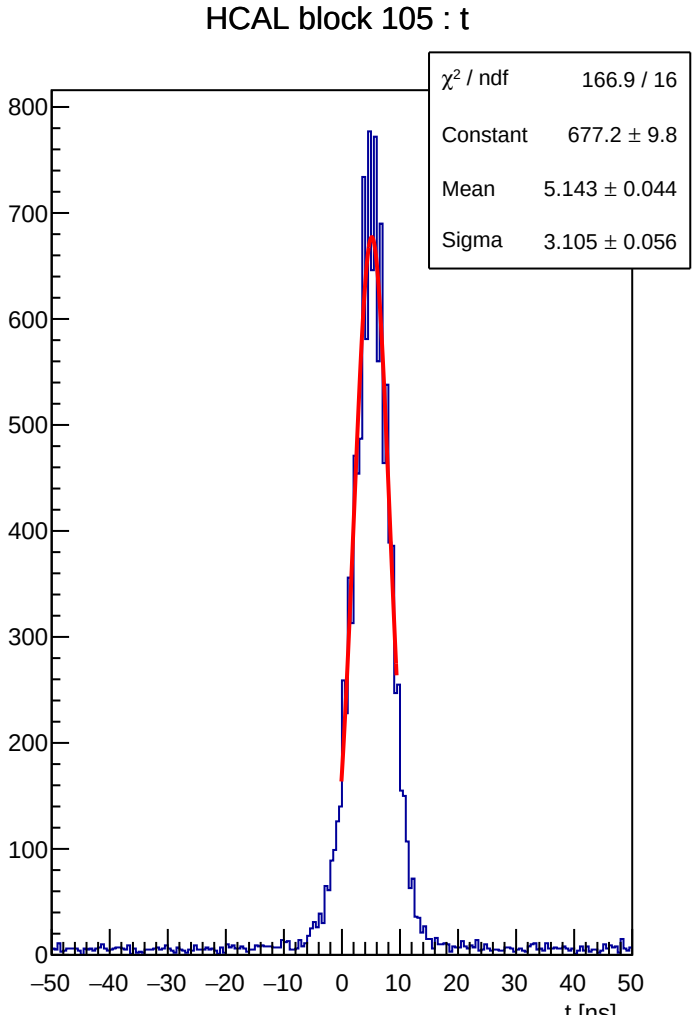

HCAL block 102 : t tw corr
χ² / ndf 19.22 / 17
Constant 710.3 ± 9.8
Mean −0.4581 ± 0.0382
Sigma 2.99 ± 0.04
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

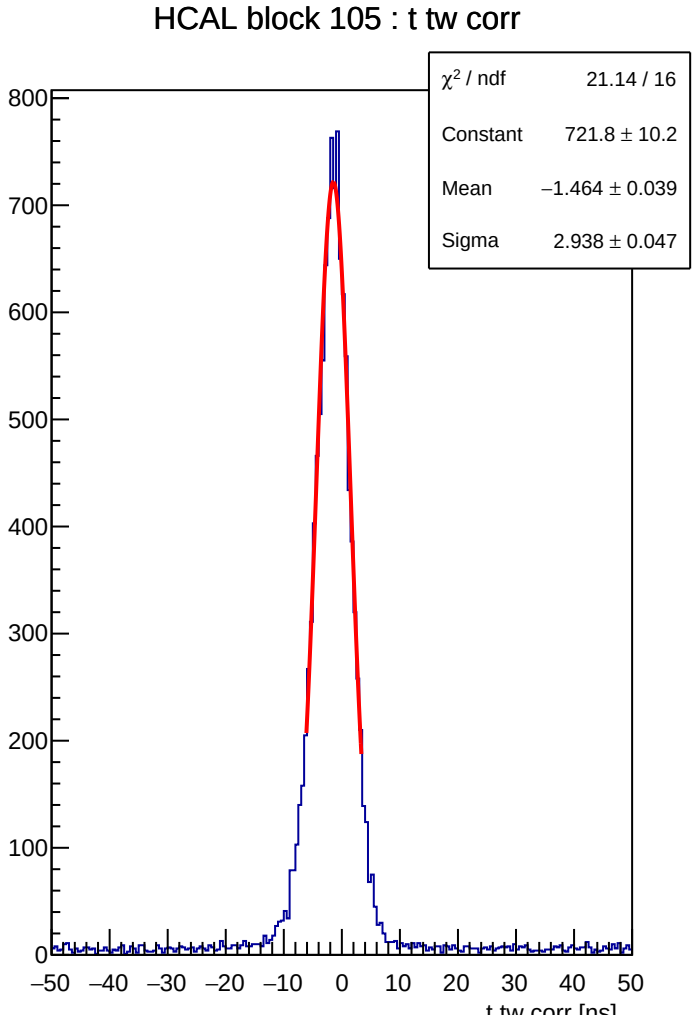

HCAL block 103 : t
χ² / ndf 76.97 / 17
Constant 298.7 ± 6.2
Mean 6.12 ± 0.08
Sigma 3.434 ± 0.096
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

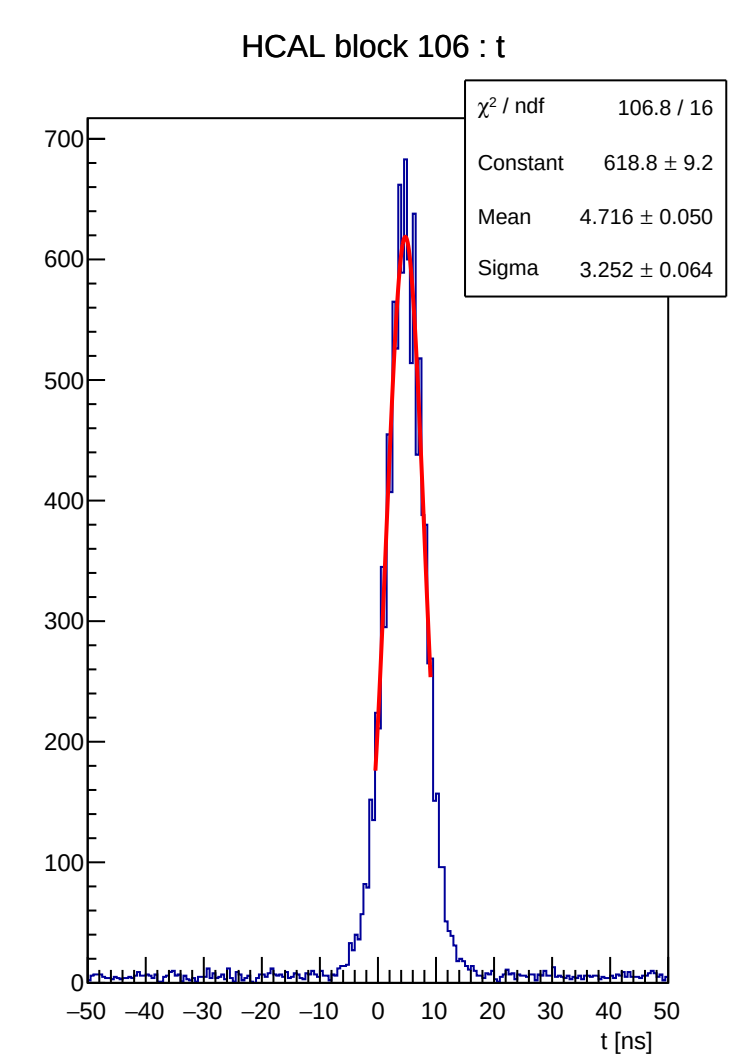

HCAL block 103 : t tw corr
χ² / ndf 15.29 / 17
Constant 318.6 ± 6.6
Mean −0.6121± 0.0626
Sigma 3.205 ± 0.078
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

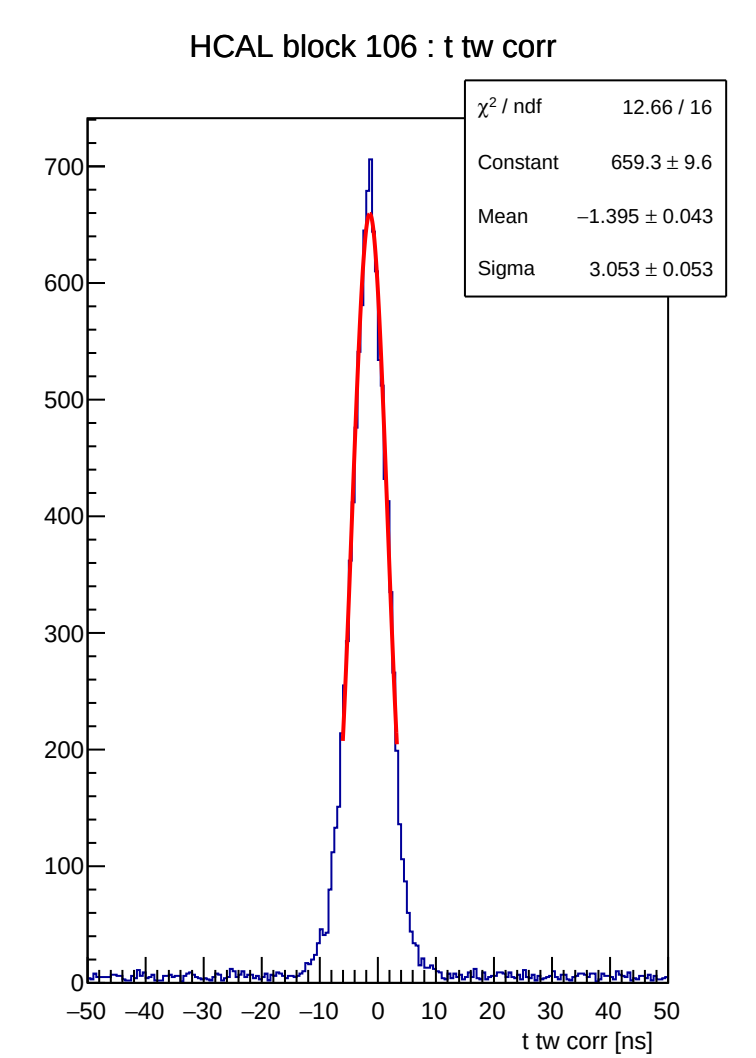

HCAL block 104 : t
χ² / ndf 121.9 / 15
Constant 533.7 ± 8.7
Mean 4.728 ± 0.053
Sigma 3.044 ± 0.065
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

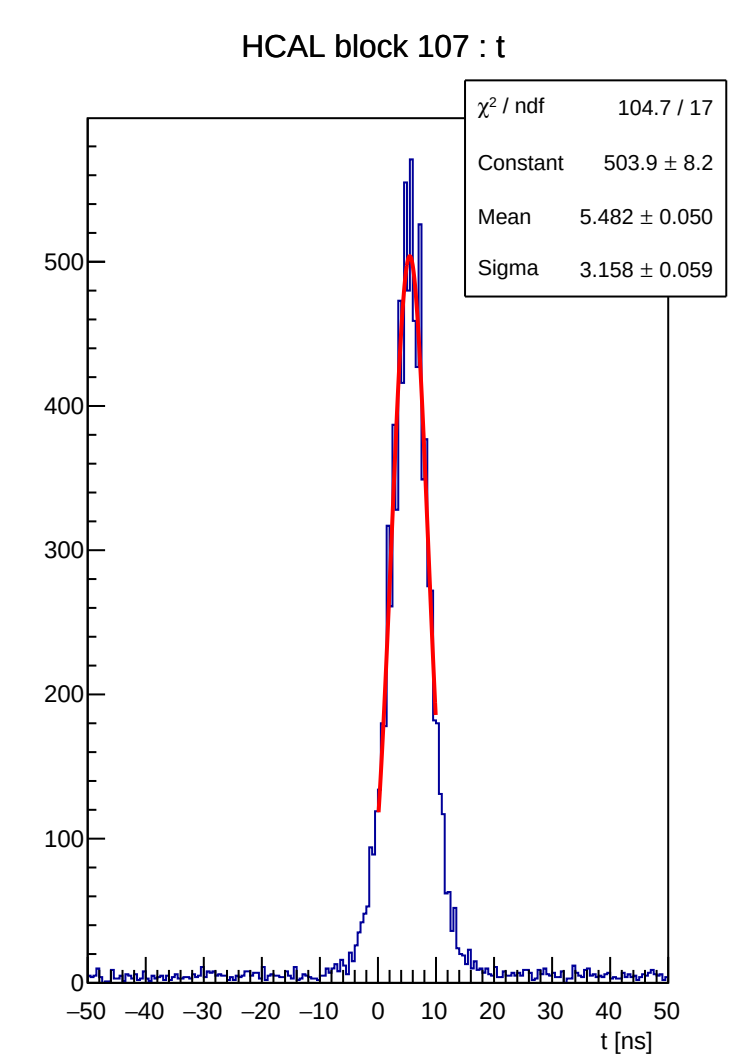

HCAL block 104 : t tw corr
χ² / ndf 7.663 / 15
Constant 567 ± 9.1
Mean –1.384 ± 0.044
Sigma 2.875 ± 0.054
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

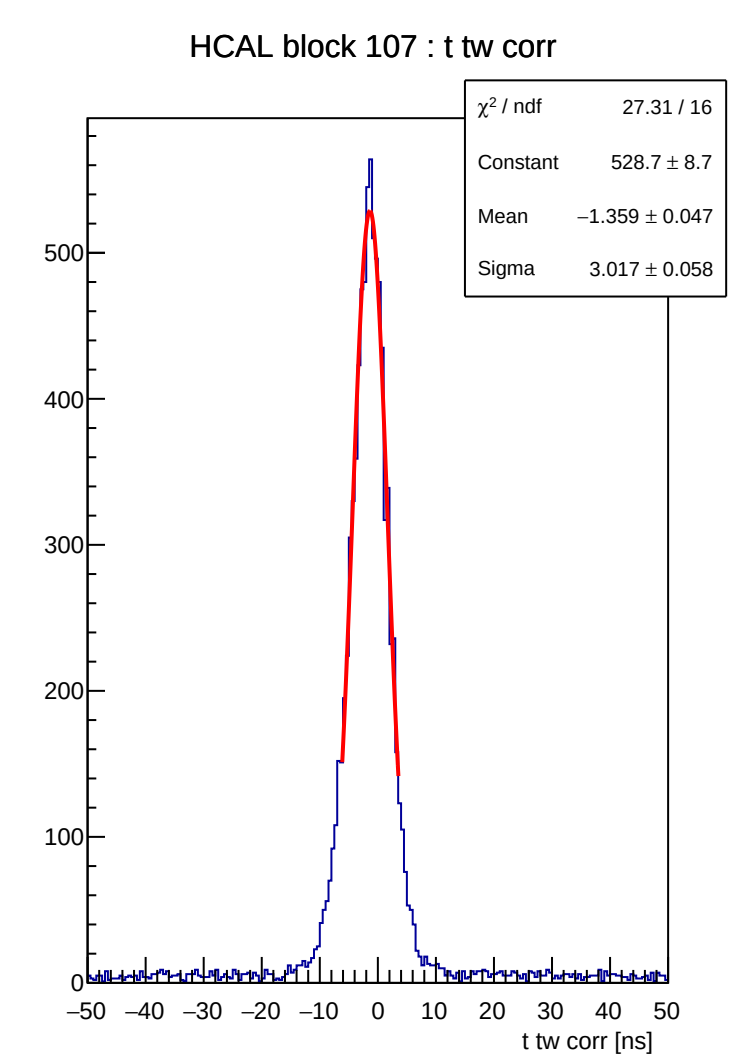

HCAL block 105 : t
χ² / ndf 166.9 / 16
Constant 677.2 ± 9.8
Mean 5.143 ± 0.044
Sigma 3.105 ± 0.056
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

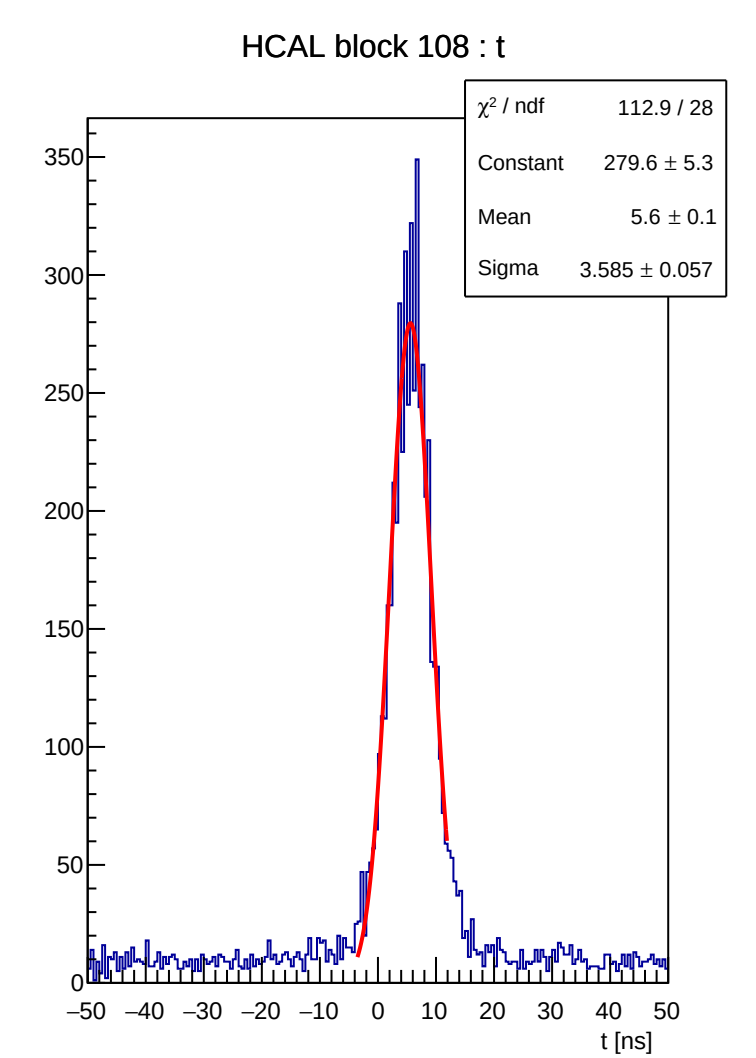

HCAL block 105 : t tw corr
χ² / ndf 21.14 / 16
Constant 721.8 ± 10.2
Mean –1.464 ± 0.039
Sigma 2.938 ± 0.047
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

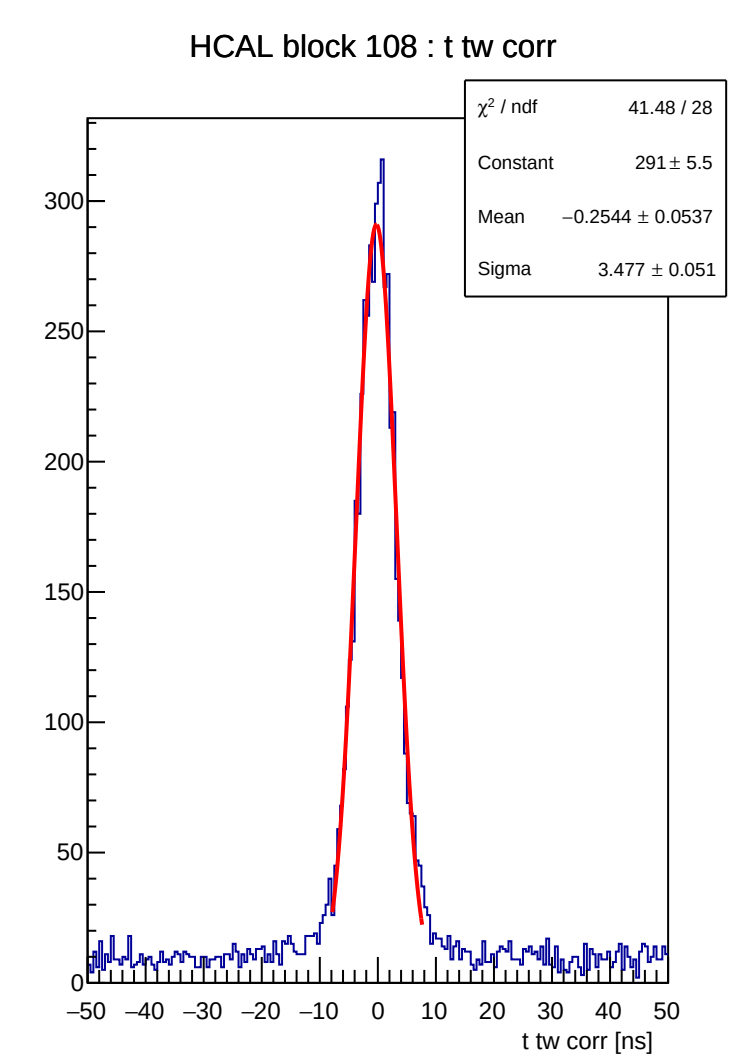

HCAL block 106 : t
χ² / ndf 106.8 / 16
Constant 618.8 ± 9.2
Mean 4.716 ± 0.050
Sigma 3.252 ± 0.064
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

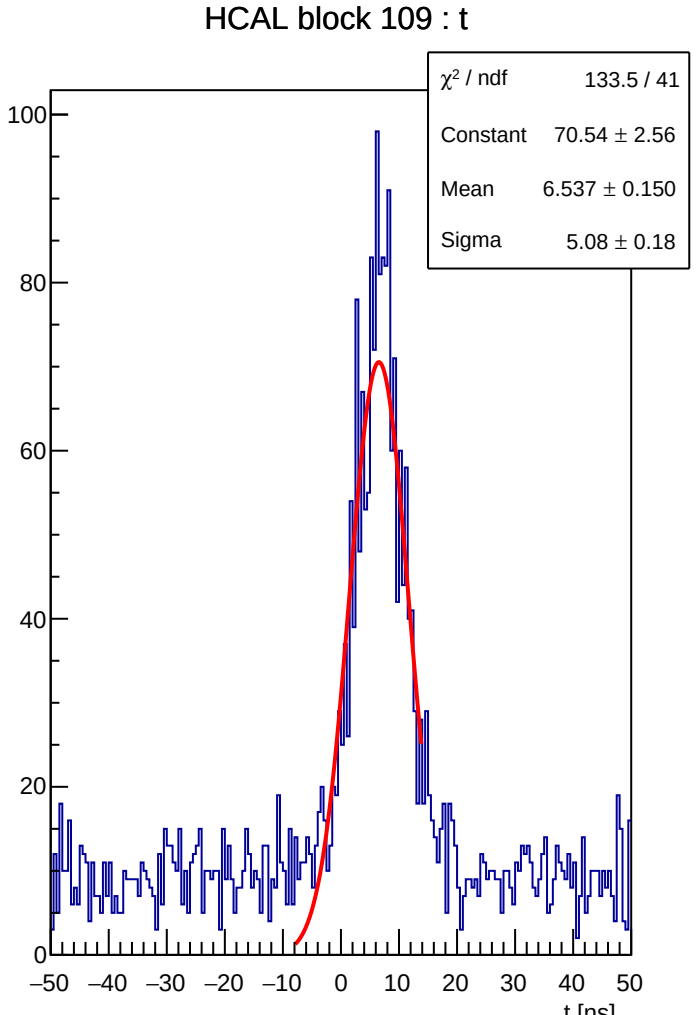

HCAL block 106 : t tw corr
χ² / ndf 12.66 / 16
Constant 659.3 ± 9.6
Mean –1.395 ± 0.043
Sigma 3.053 ± 0.053
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

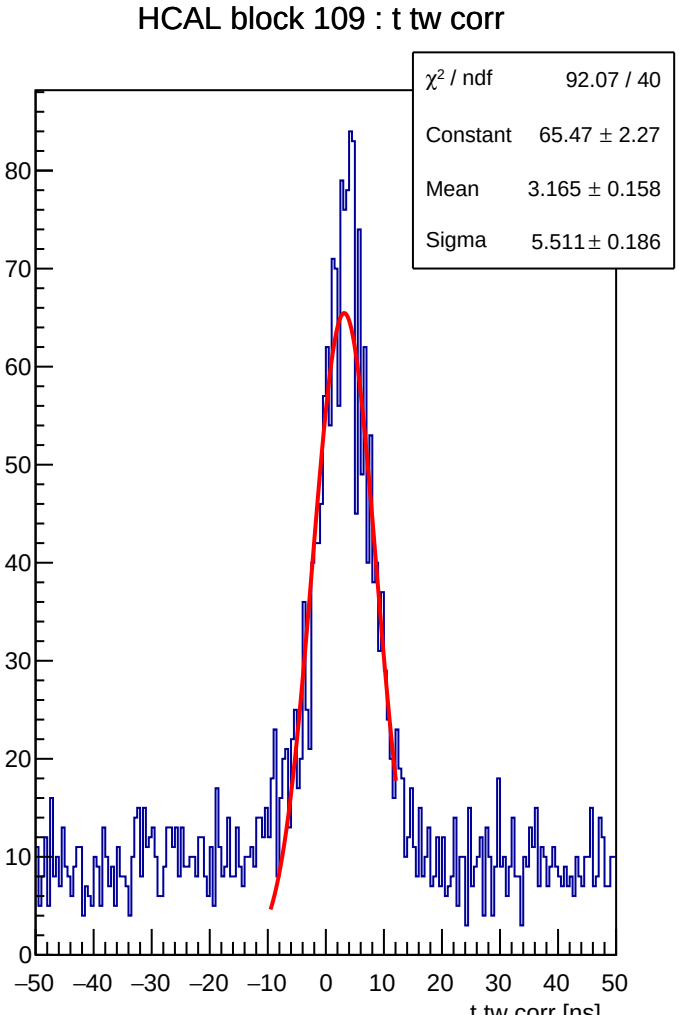

HCAL block 107 : t
χ² / ndf 104.7 / 17
Constant 503.9 ± 8.2
Mean 5.482 ± 0.050
Sigma 3.158 ± 0.059
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

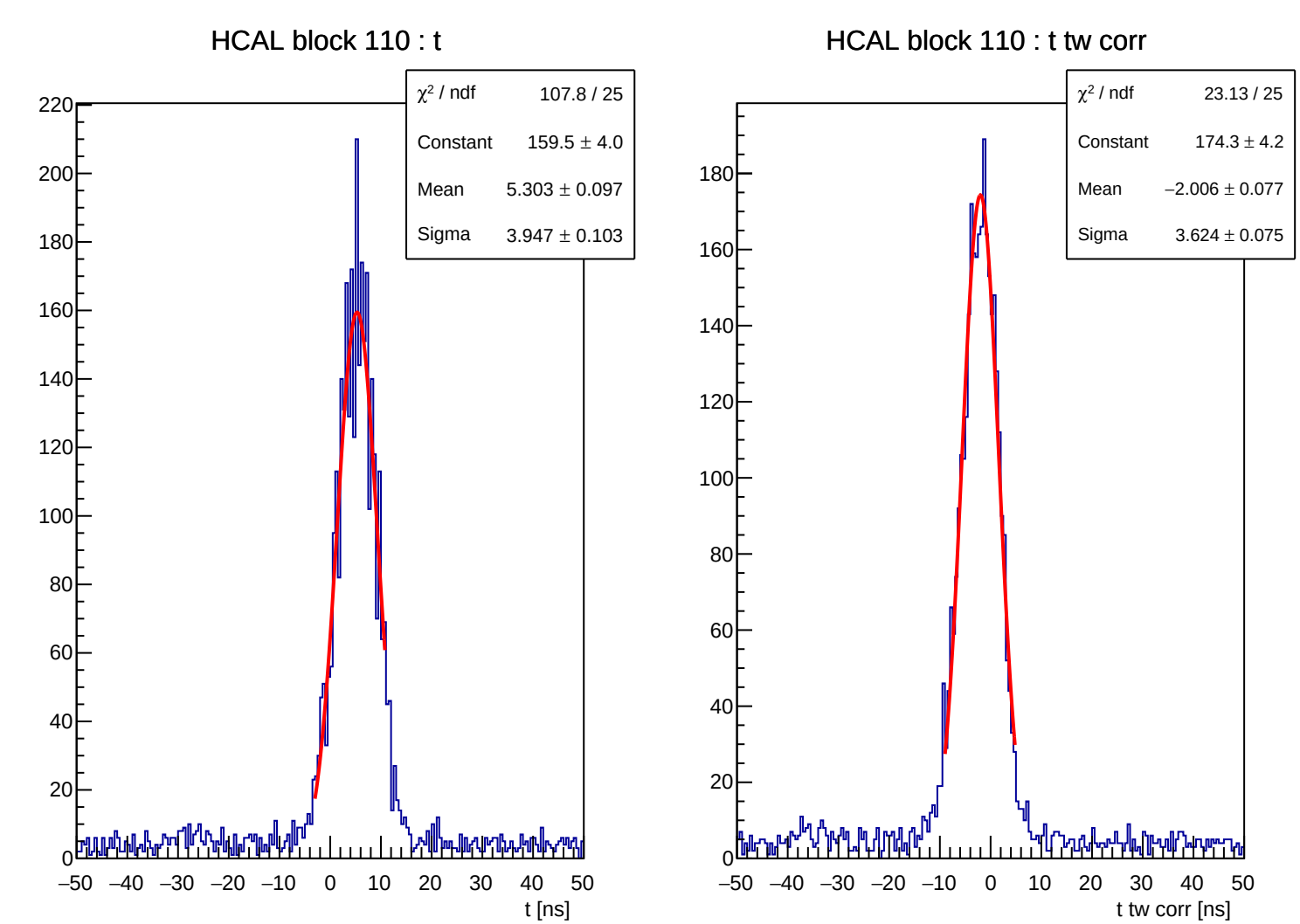

HCAL block 107 : t tw corr
χ² / ndf 27.31 / 16
Constant 528.7 ± 8.7
Mean –1.359 ± 0.047
Sigma 3.017 ± 0.058
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

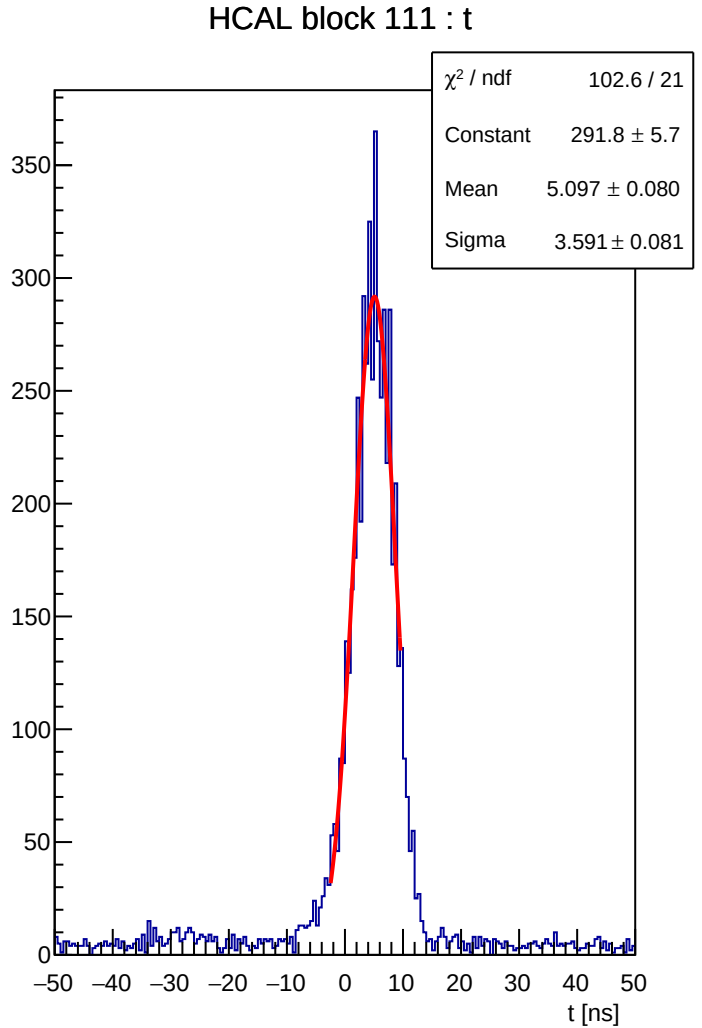

HCAL block 108 : t
χ² / ndf 112.9 / 28
Constant 279.6 ± 5.3
Mean 5.6 ± 0.1
Sigma 3.585 ± 0.057
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

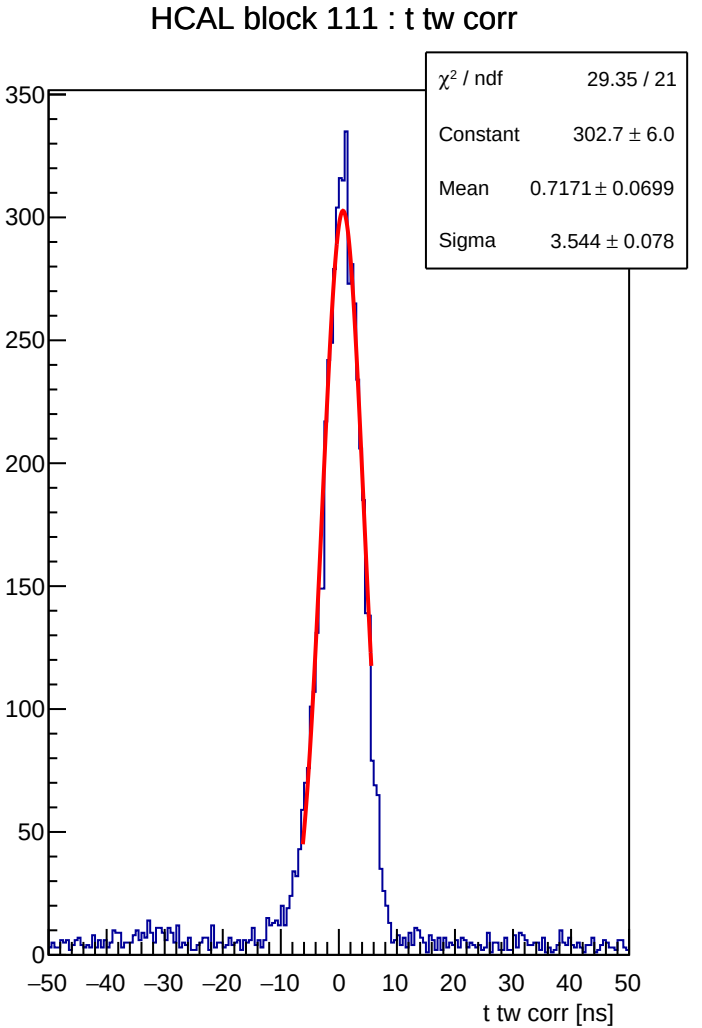

HCAL block 108 : t tw corr
χ² / ndf 41.48 / 28
Constant 291 ± 5.5
Mean −0.2544 ± 0.0537
Sigma 3.477 ± 0.051
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

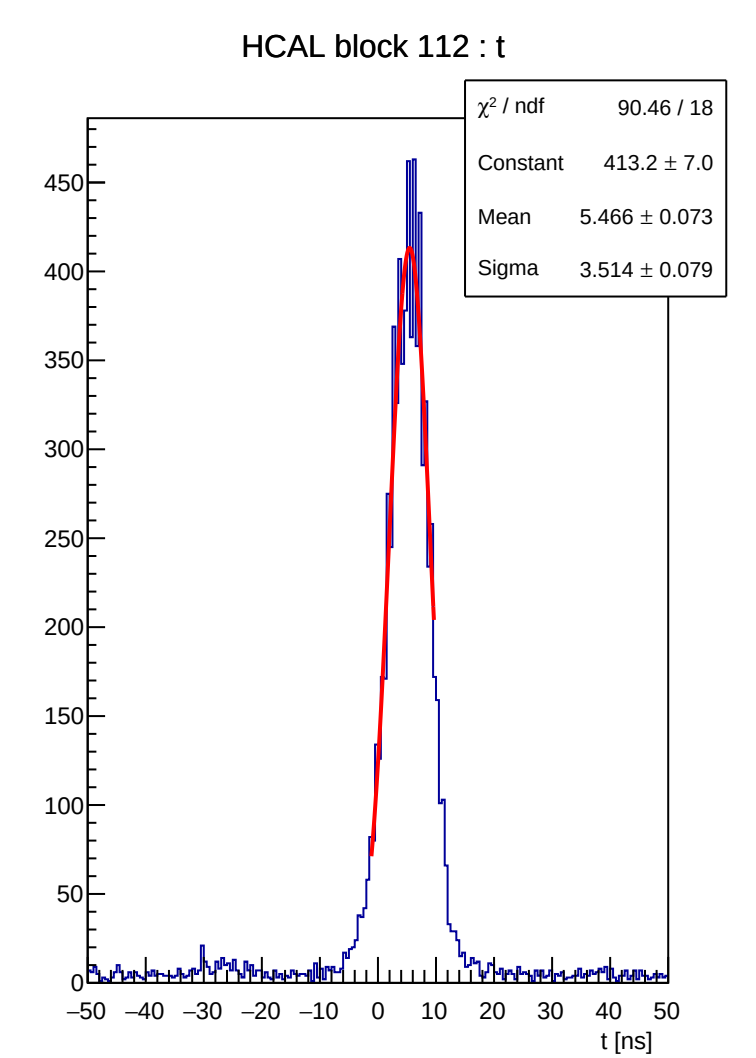

HCAL block 109 : t
χ² / ndf 133.5 / 41
Constant 70.54 ± 2.56
Mean 6.537 ± 0.150
Sigma 5.08 ± 0.18
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

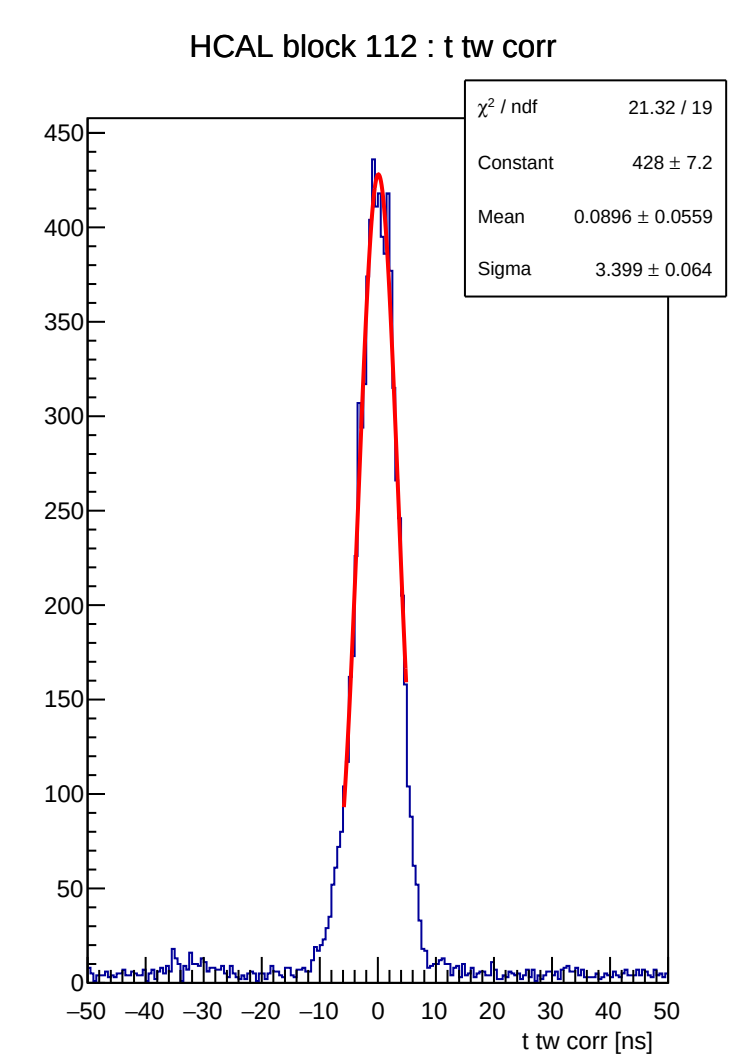

HCAL block 109 : t tw corr
χ² / ndf 92.07 / 40
Constant 65.47 ± 2.27
Mean 3.165 ± 0.158
Sigma 5.511 ± 0.186
80
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

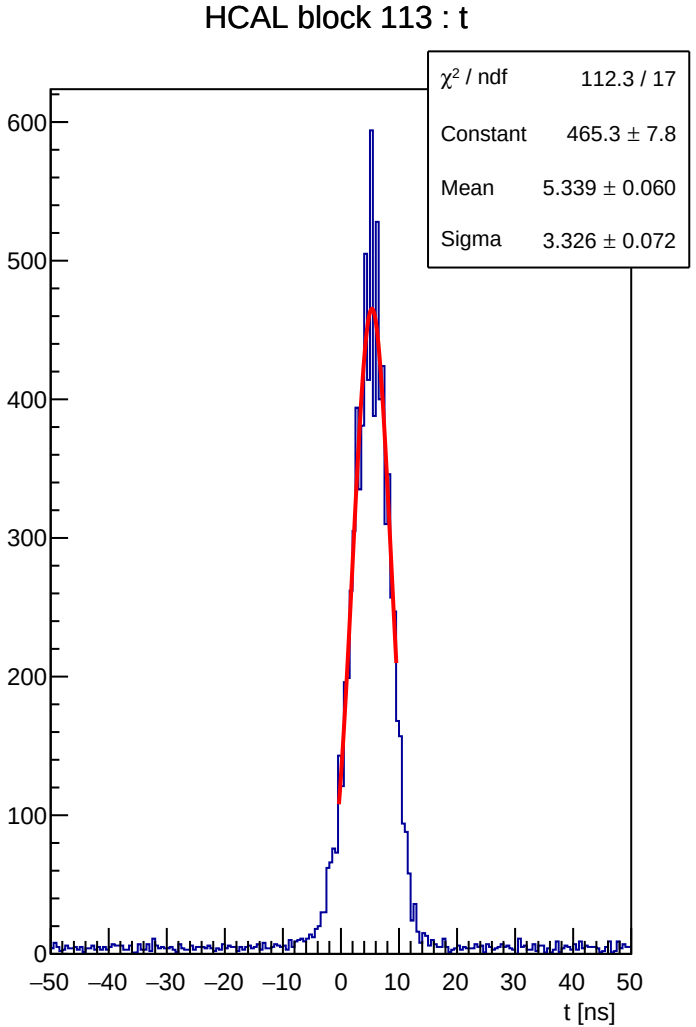

HCAL block 110 : t
χ² / ndf 107.8 / 25
Constant 159.5 ± 4.0
Mean 5.303 ± 0.097
Sigma 3.947 ± 0.103
t [ns]
HCAL block 110 : t tw corr
χ² / ndf 23.13 / 25
Constant 174.3 ± 4.2
Mean −2.006 ± 0.077
Sigma 3.624 ± 0.075
t tw corr [ns]

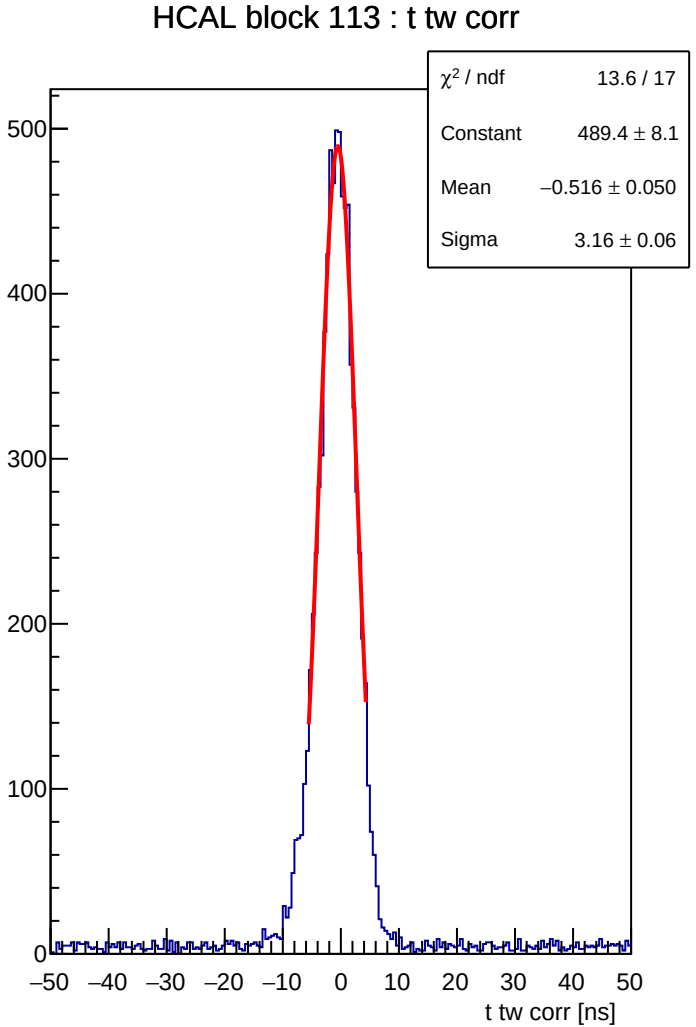

HCAL block 111 : t
χ² / ndf 102.6 / 21
Constant 291.8 ± 5.7
Mean 5.097 ± 0.080
Sigma 3.591 ± 0.081
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

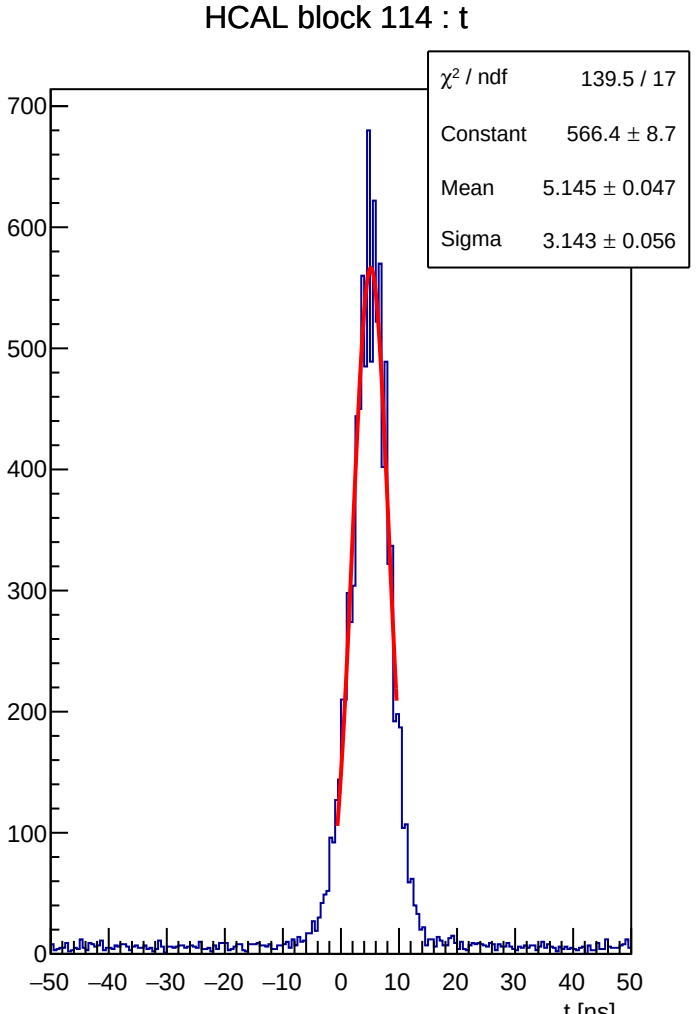

HCAL block 111 : t tw corr
χ² / ndf 29.35 / 21
Constant 302.7 ± 6.0
Mean 0.7171 ± 0.0699
Sigma 3.544 ± 0.078
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

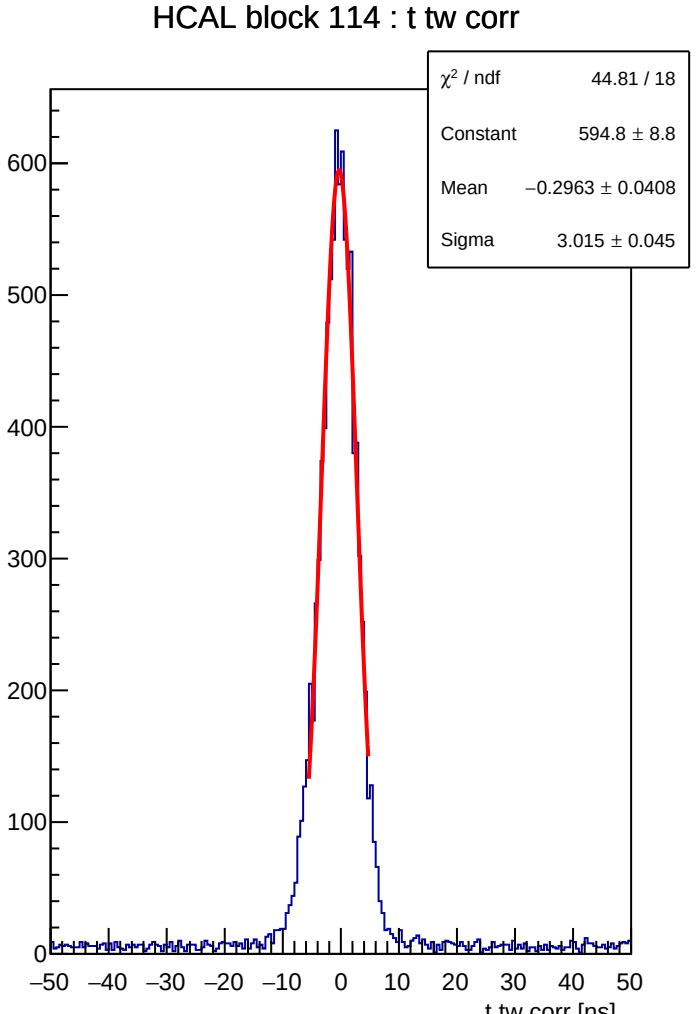

HCAL block 112 : t
χ² / ndf 90.46 / 18
Constant 413.2 ± 7.0
Mean 5.466 ± 0.073
Sigma 3.514 ± 0.079
t [ns]

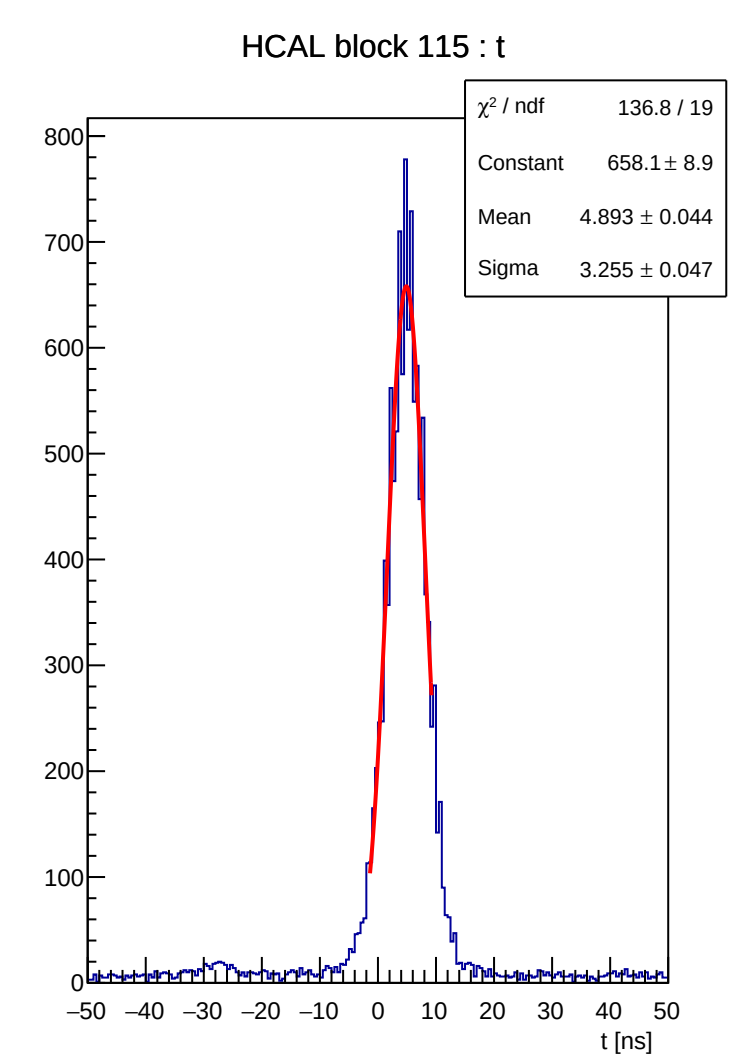

HCAL block 112 : t tw corr
χ² / ndf 21.32 / 19
Constant 428 ± 7.2
Mean 0.0896 ± 0.0559
Sigma 3.399 ± 0.064
t tw corr [ns]

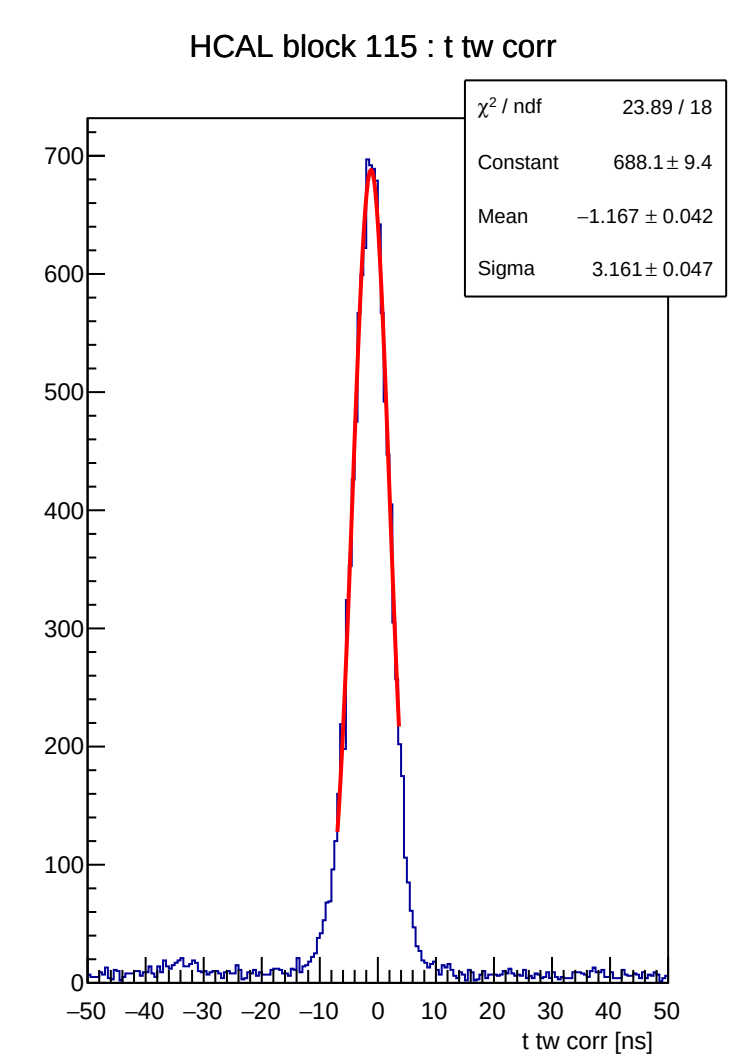

HCAL block 113 : t
χ² / ndf 112.3 / 17
Constant 465.3 ± 7.8
Mean 5.339 ± 0.060
Sigma 3.326 ± 0.072
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

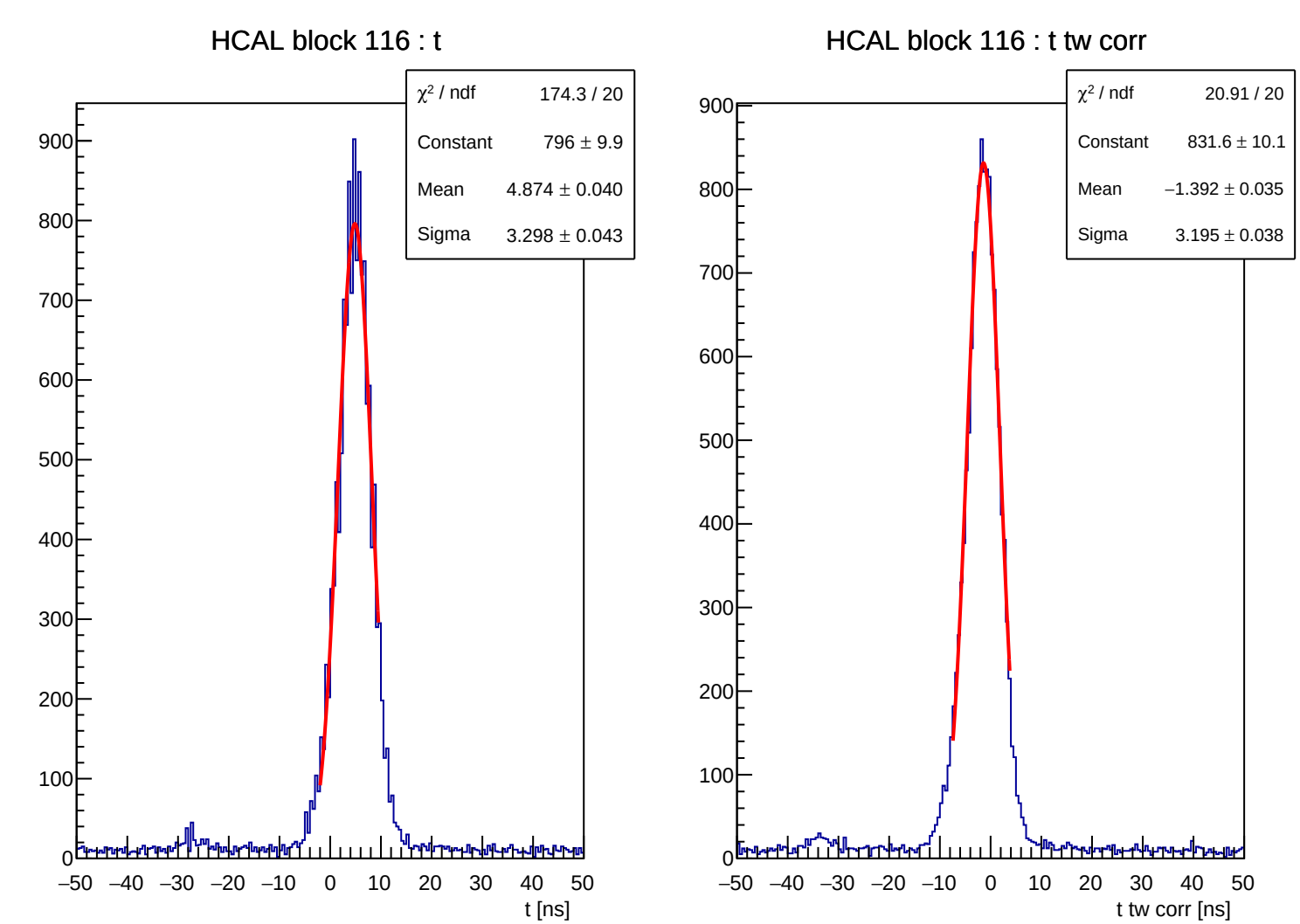

HCAL block 113 : t tw corr
χ² / ndf 13.6 / 17
Constant 489.4 ± 8.1
Mean –0.516 ± 0.050
Sigma 3.16 ± 0.06
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

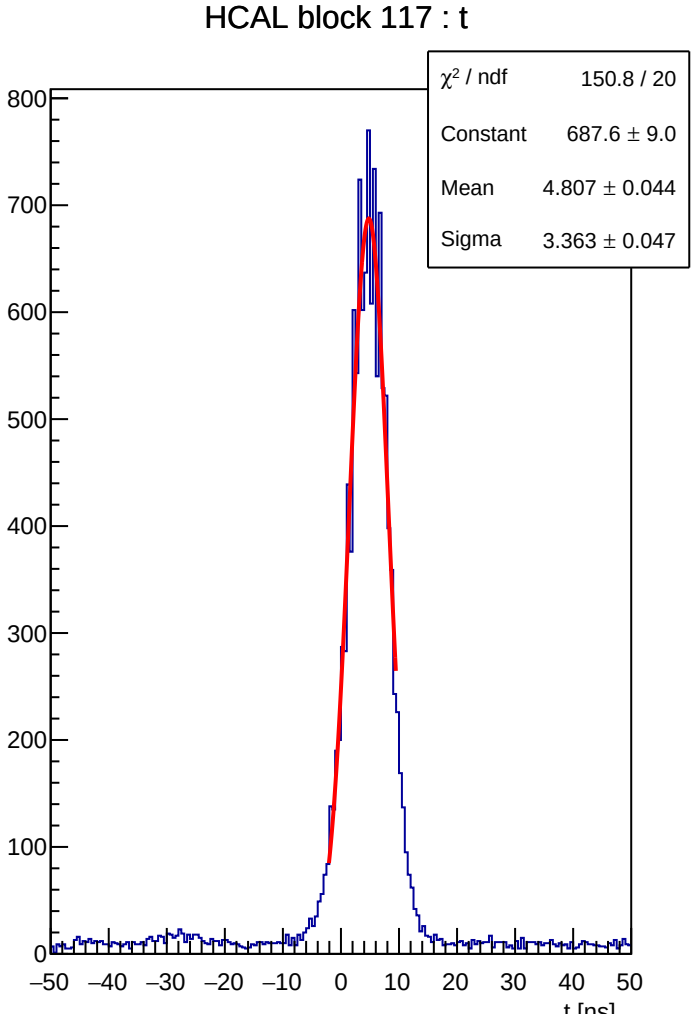

HCAL block 114 : t
χ² / ndf 139.5 / 17
Constant 566.4 ± 8.7
Mean 5.145 ± 0.047
Sigma 3.143 ± 0.056
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

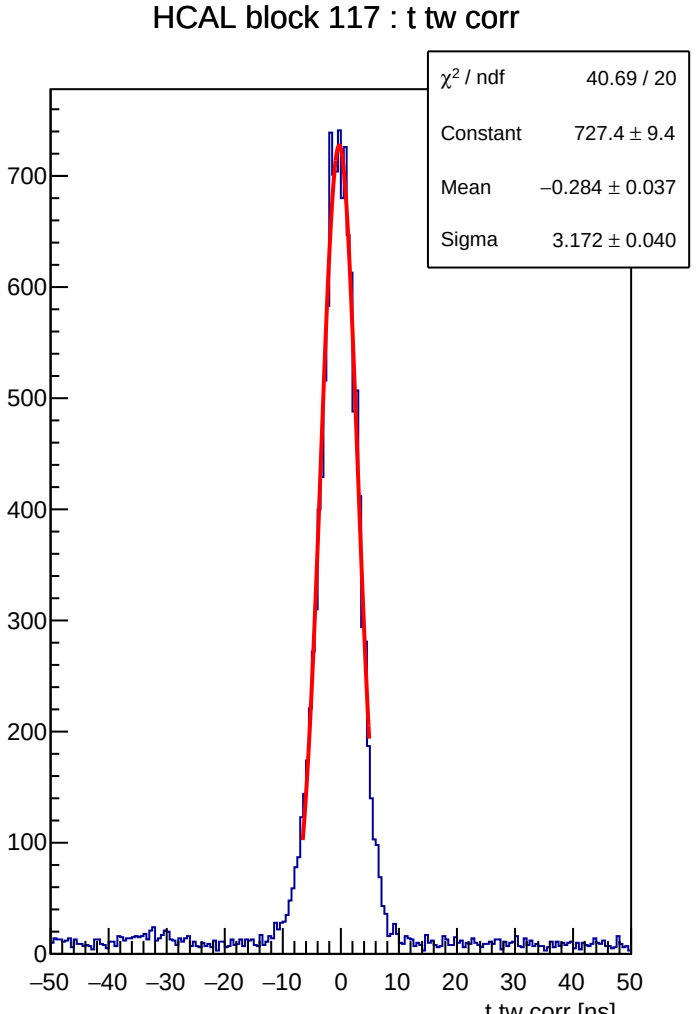

HCAL block 114 : t tw corr
χ² / ndf 44.81 / 18
Constant 594.8 ± 8.8
Mean −0.2963 ± 0.0408
Sigma 3.015 ± 0.045
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

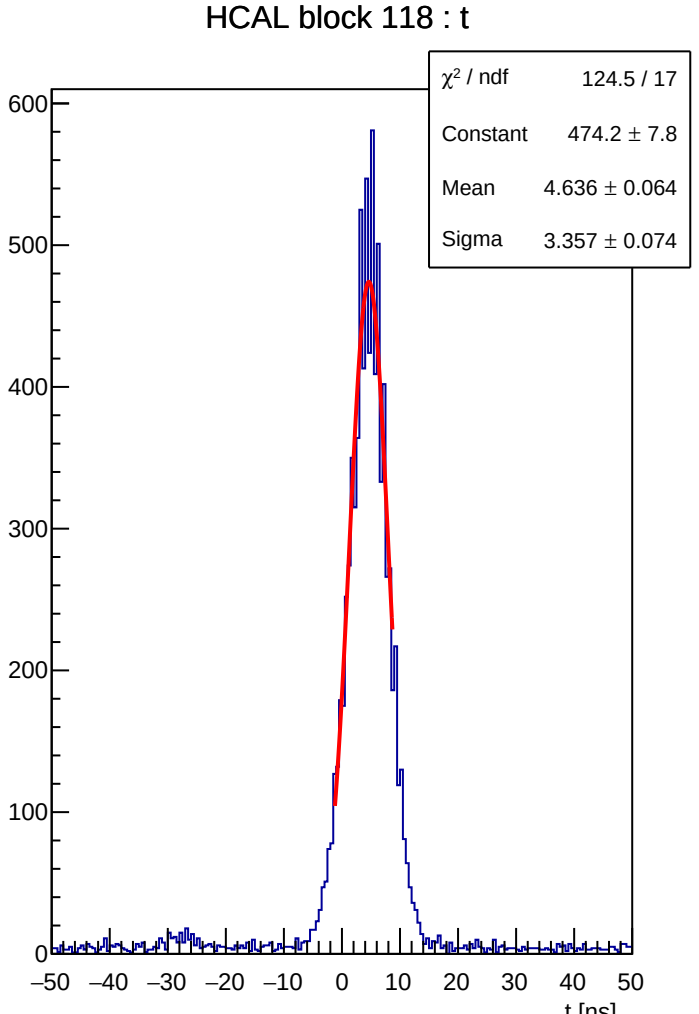

HCAL block 115 : t
χ² / ndf 136.8 / 19
Constant 658.1 ± 8.9
Mean 4.893 ± 0.044
Sigma 3.255 ± 0.047
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

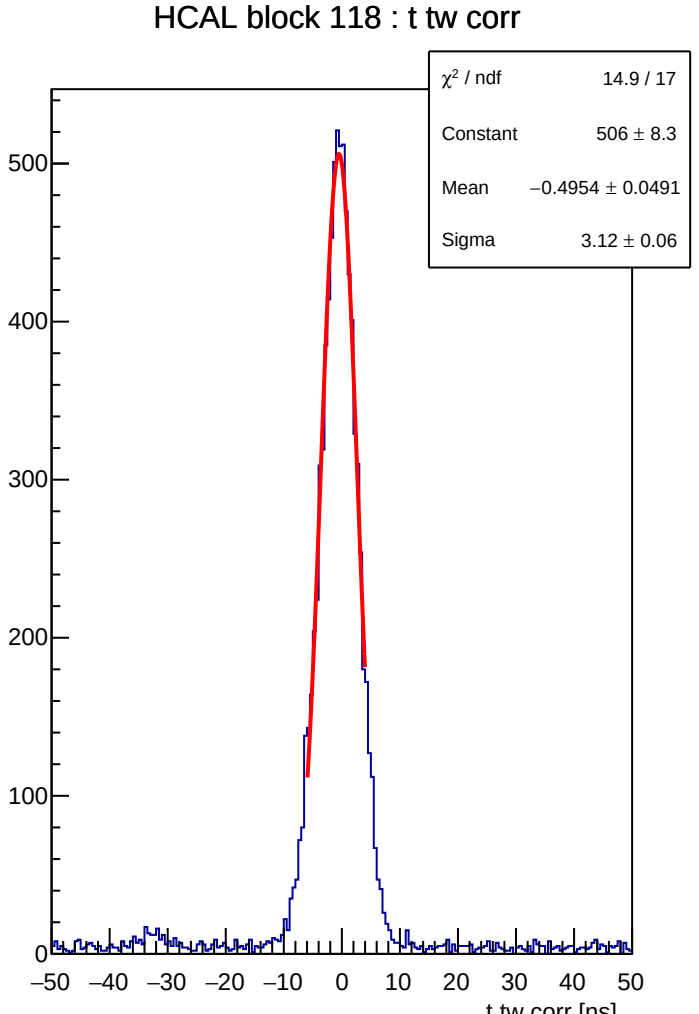

HCAL block 115 : t tw corr
χ² / ndf 23.89 / 18
Constant 688.1 ± 9.4
Mean –1.167 ± 0.042
Sigma 3.161 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

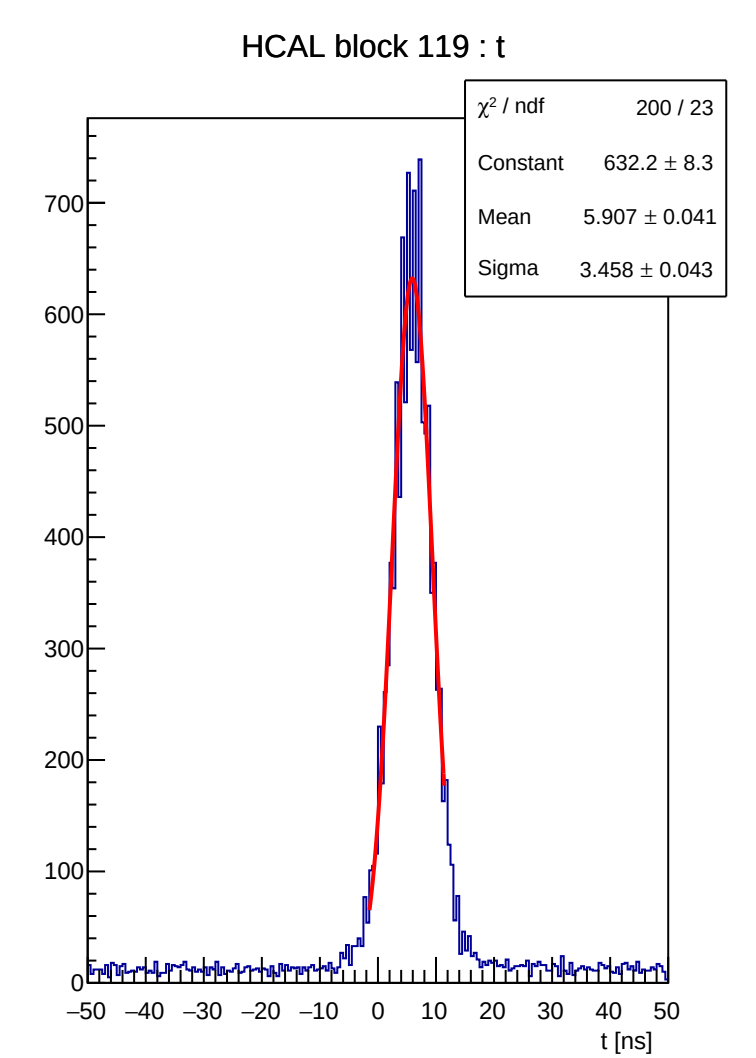

HCAL block 116 : t
χ² / ndf 174.3 / 20
Constant 796 ± 9.9
Mean 4.874 ± 0.040
Sigma 3.298 ± 0.043
t [ns]
HCAL block 116 : t tw corr
χ² / ndf 20.91 / 20
Constant 831.6 ± 10.1
Mean −1.392 ± 0.035
Sigma 3.195 ± 0.038
t tw corr [ns]

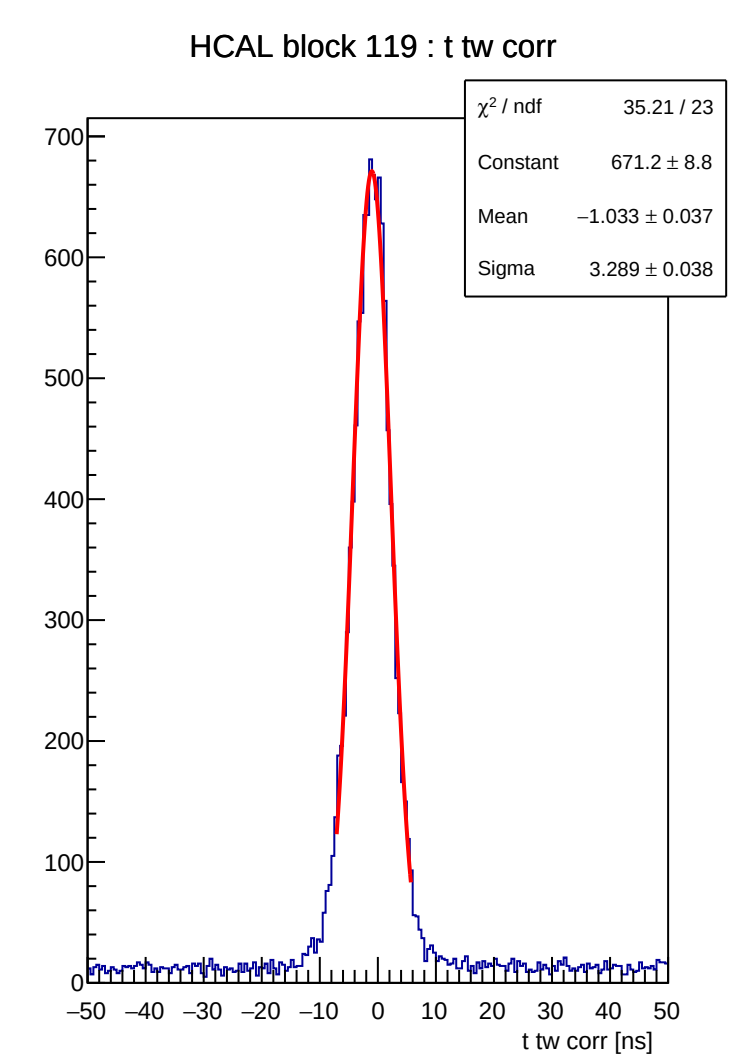

HCAL block 117 : t
χ² / ndf 150.8 / 20
Constant 687.6 ± 9.0
Mean 4.807 ± 0.044
Sigma 3.363 ± 0.047
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

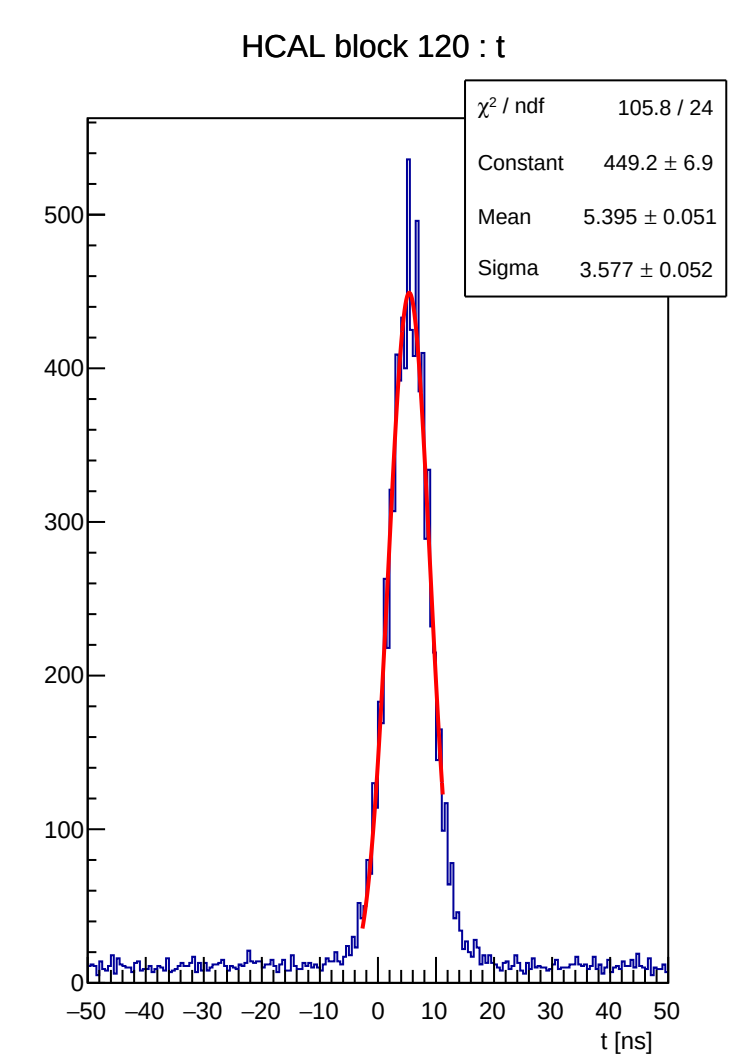

HCAL block 117 : t tw corr
χ² / ndf 40.69 / 20
Constant 727.4 ± 9.4
Mean –0.284 ± 0.037
Sigma 3.172 ± 0.040
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

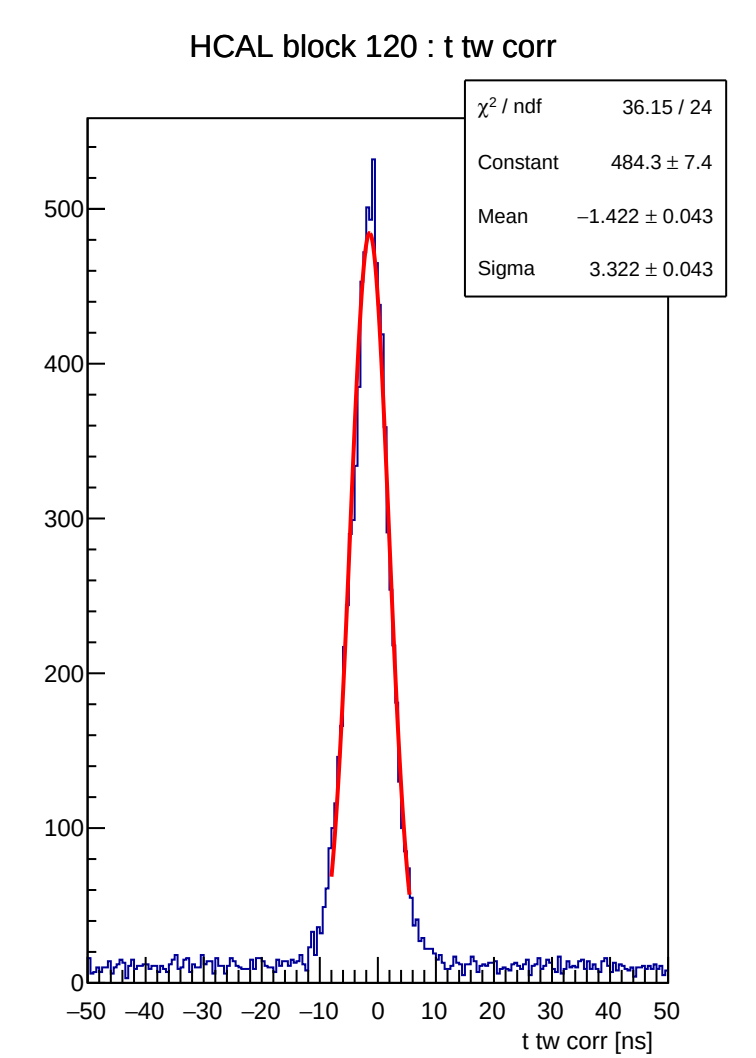

HCAL block 118 : t
χ² / ndf 124.5 / 17
Constant 474.2 ± 7.8
Mean 4.636 ± 0.064
Sigma 3.357 ± 0.074
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

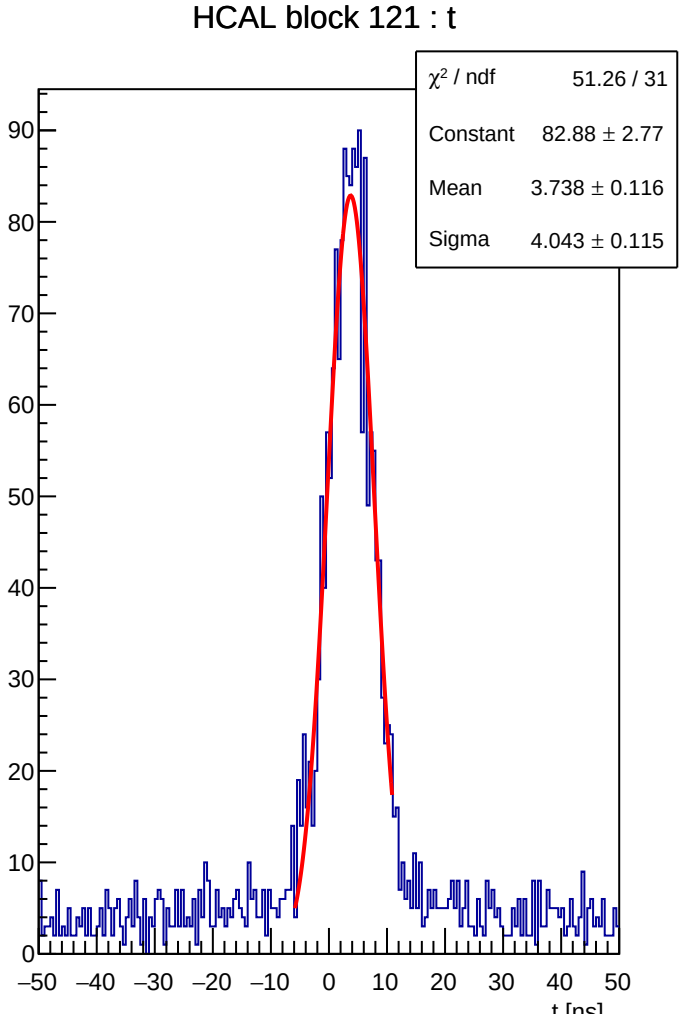

HCAL block 118 : t tw corr
χ² / ndf 14.9 / 17
Constant 506 ± 8.3
Mean −0.4954 ± 0.0491
Sigma 3.12 ± 0.06
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

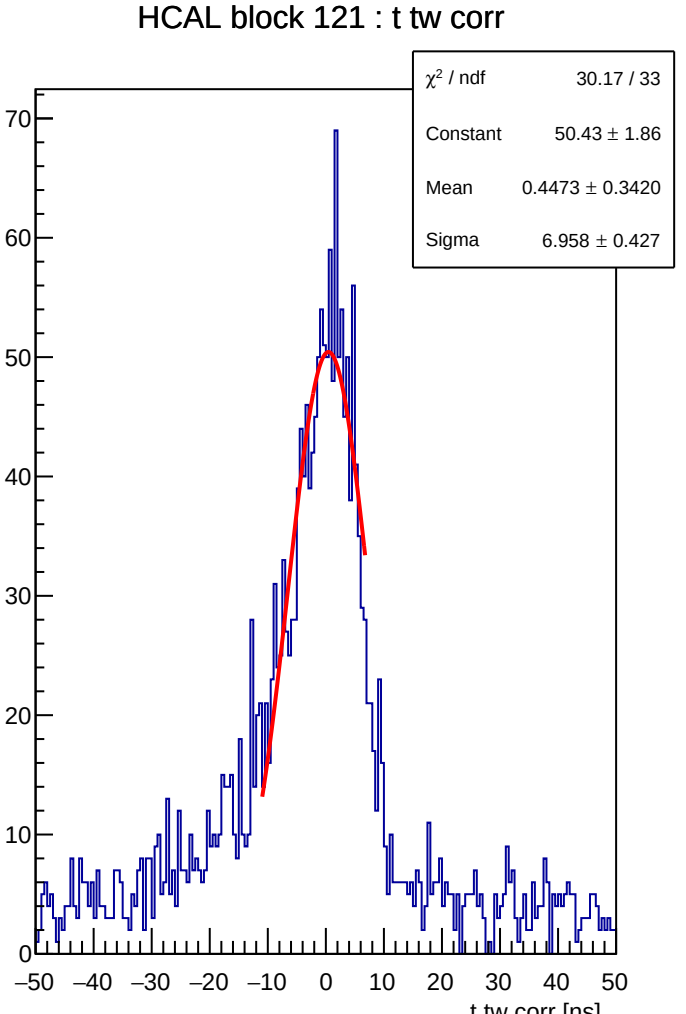

HCAL block 119 : t
χ² / ndf 200 / 23
Constant 632.2 ± 8.3
Mean 5.907 ± 0.041
Sigma 3.458 ± 0.043
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

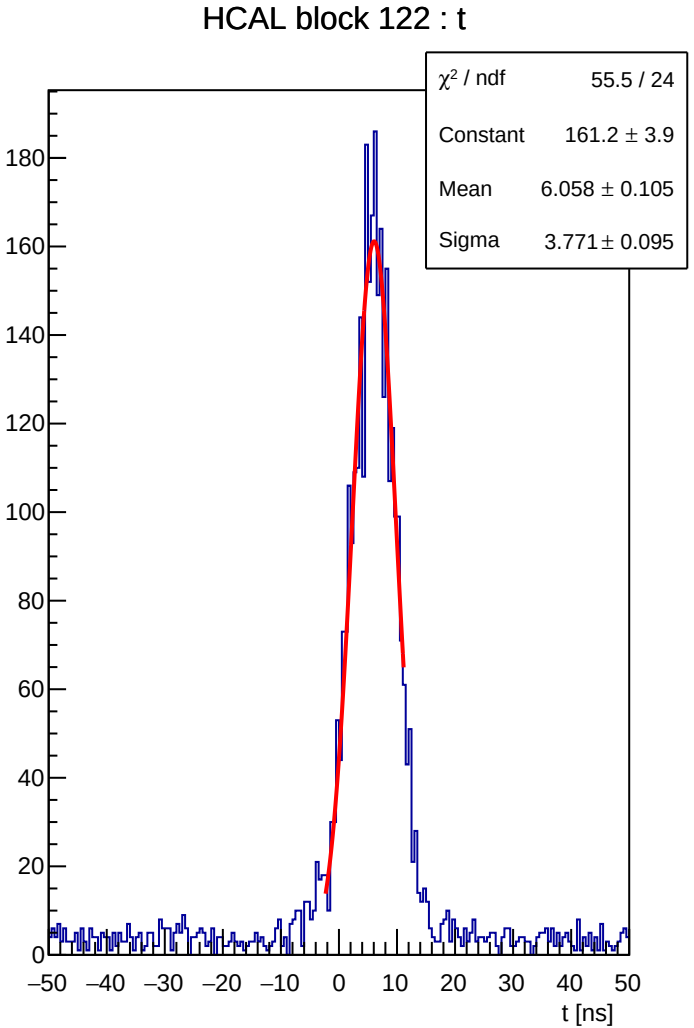

HCAL block 119 : t tw corr
χ² / ndf 35.21 / 23
Constant 671.2 ± 8.8
Mean –1.033 ± 0.037
Sigma 3.289 ± 0.038
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

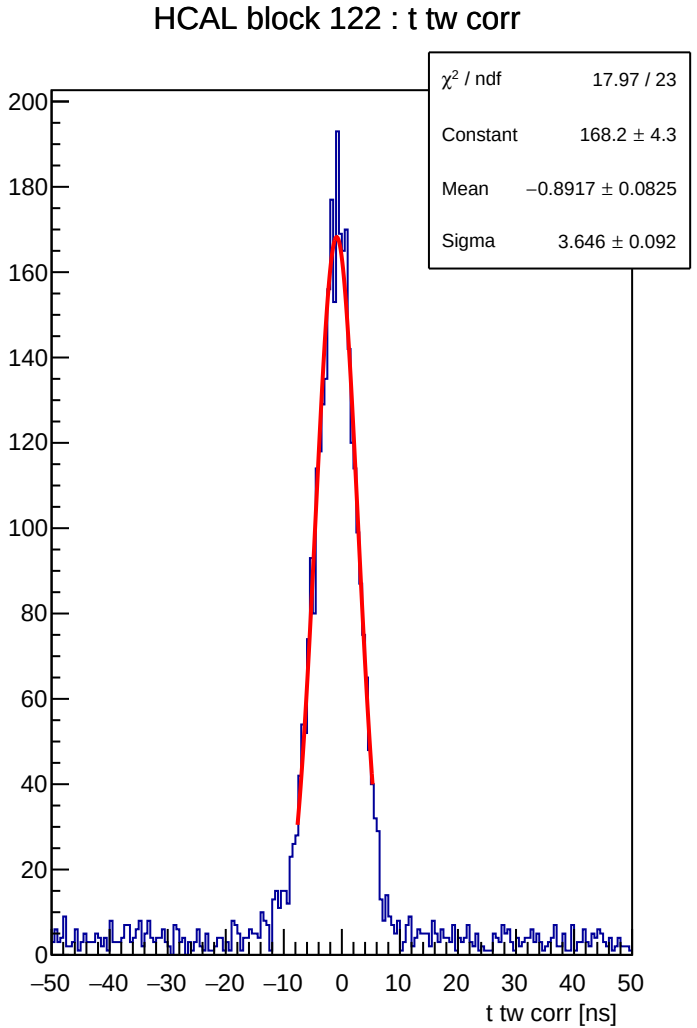

HCAL block 120 : t
χ² / ndf 105.8 / 24
Constant 449.2 ± 6.9
Mean 5.395 ± 0.051
Sigma 3.577 ± 0.052
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

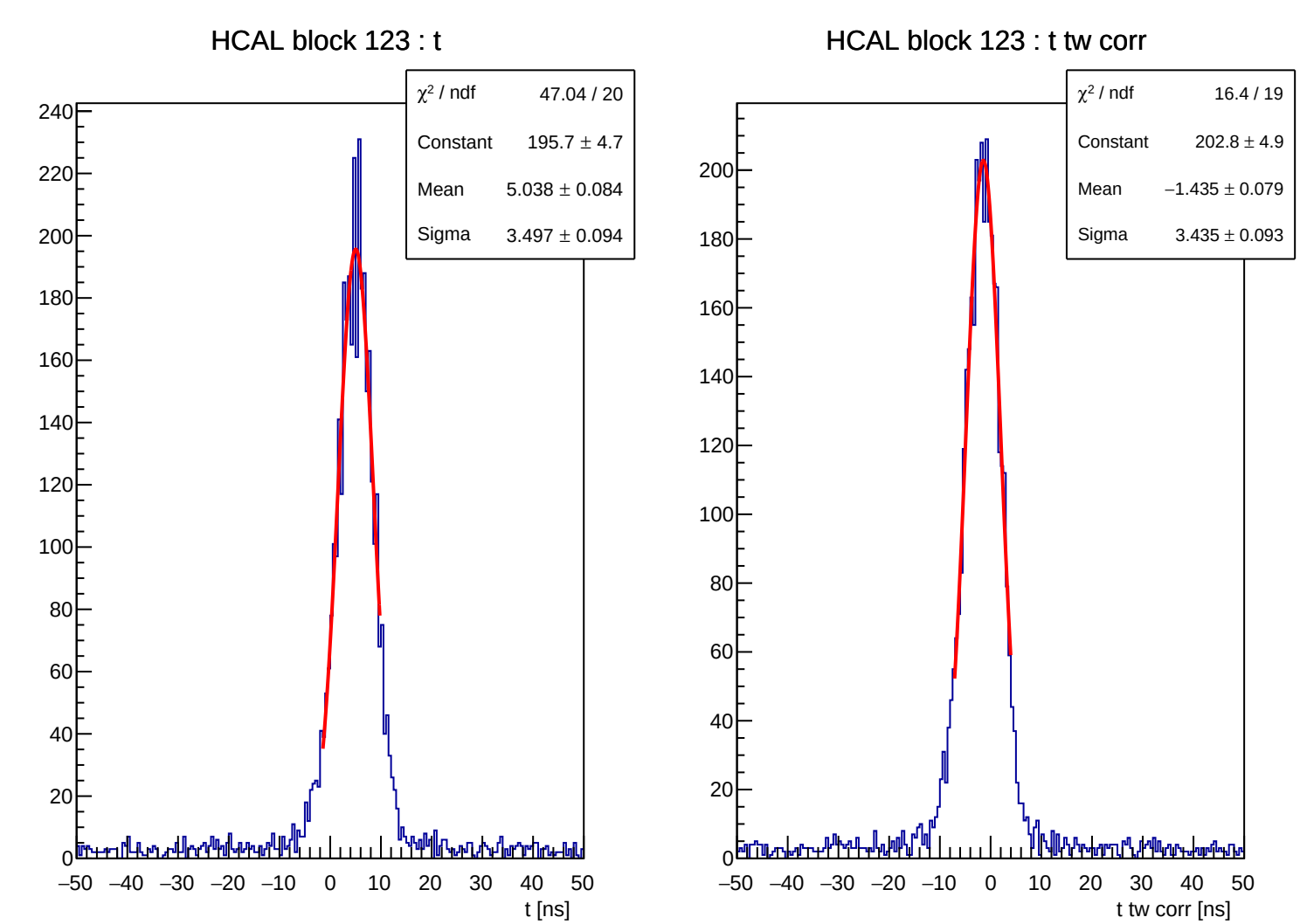

HCAL block 120 : t tw corr
χ² / ndf 36.15 / 24
Constant 484.3 ± 7.4
Mean –1.422 ± 0.043
Sigma 3.322 ± 0.043
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

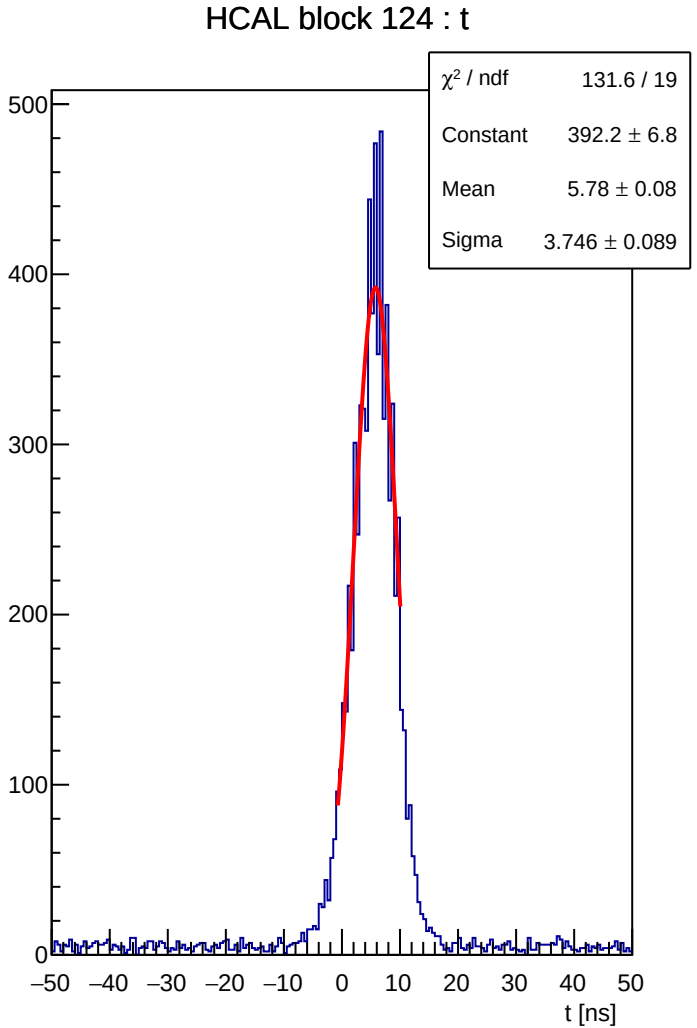

HCAL block 121 : t
χ² / ndf 51.26 / 31
Constant 82.88 ± 2.77
Mean 3.738 ± 0.116
Sigma 4.043 ± 0.115
t [ns]

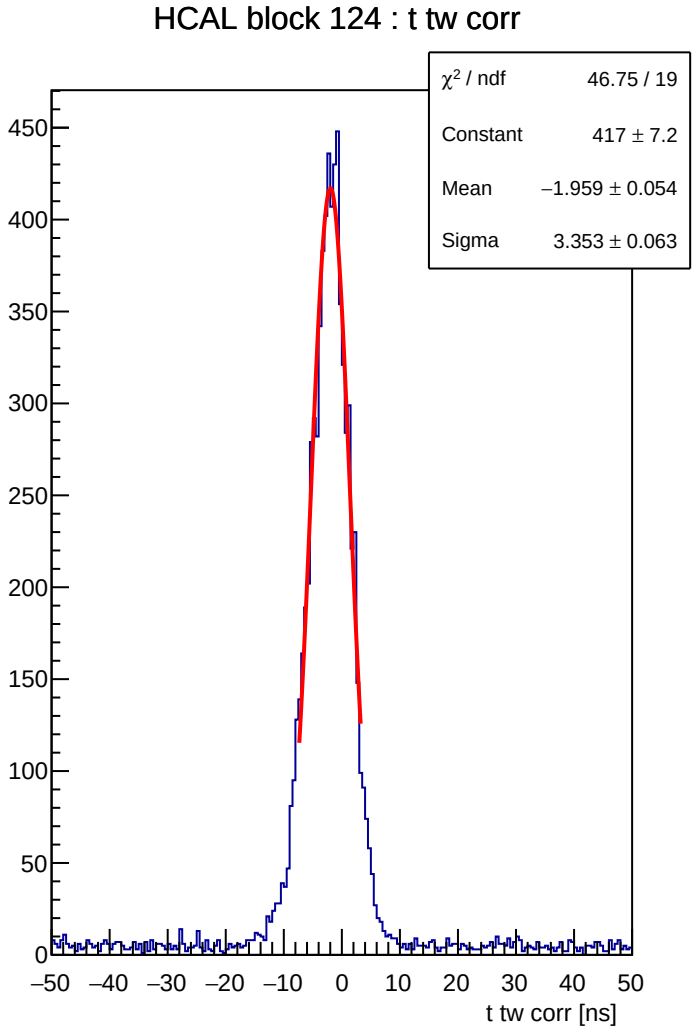

HCAL block 121 : t tw corr
χ² / ndf 30.17 / 33
Constant 50.43 ± 1.86
Mean 0.4473 ± 0.3420
Sigma 6.958 ± 0.427
t tw corr [ns]

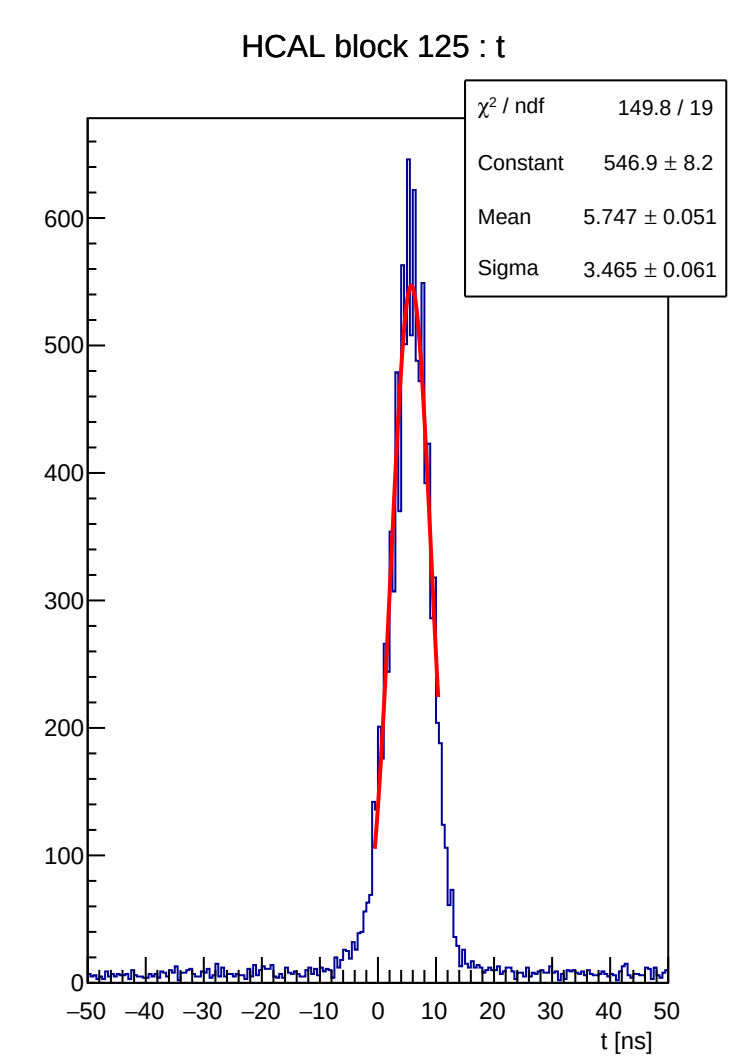

HCAL block 122 : t
χ² / ndf 55.5 / 24
Constant 161.2 ± 3.9
Mean 6.058 ± 0.105
Sigma 3.771 ± 0.095
t [ns]

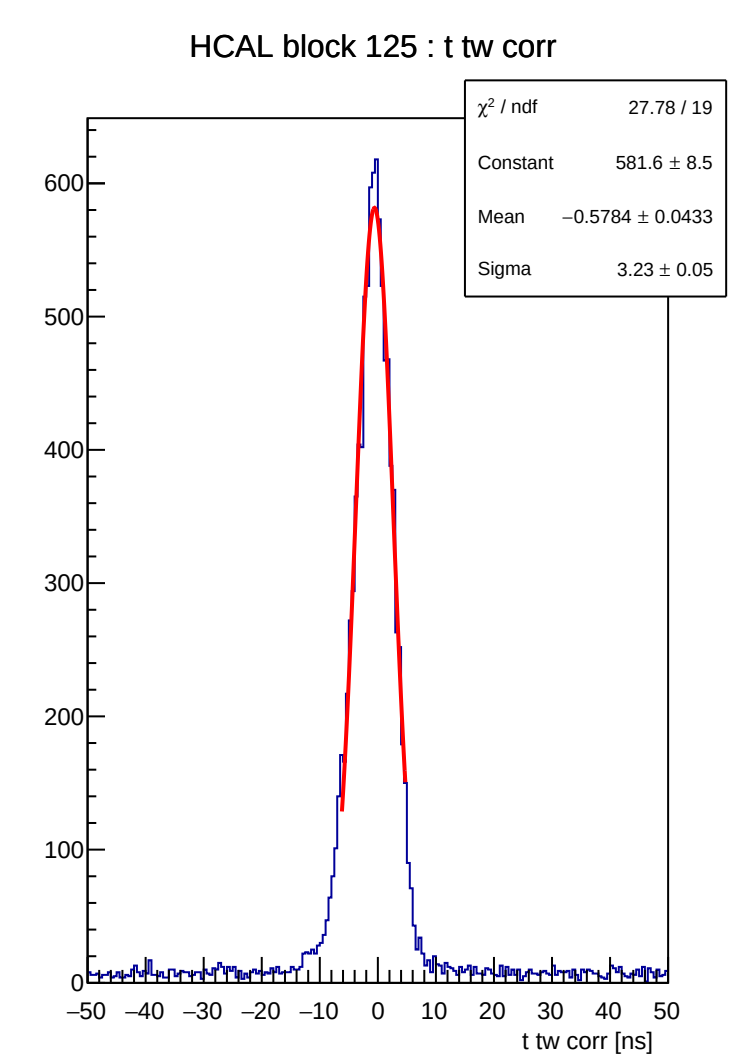

HCAL block 122 : t tw corr
χ² / ndf 17.97 / 23
Constant 168.2 ± 4.3
Mean −0.8917 ± 0.0825
Sigma 3.646 ± 0.092
t tw corr [ns]

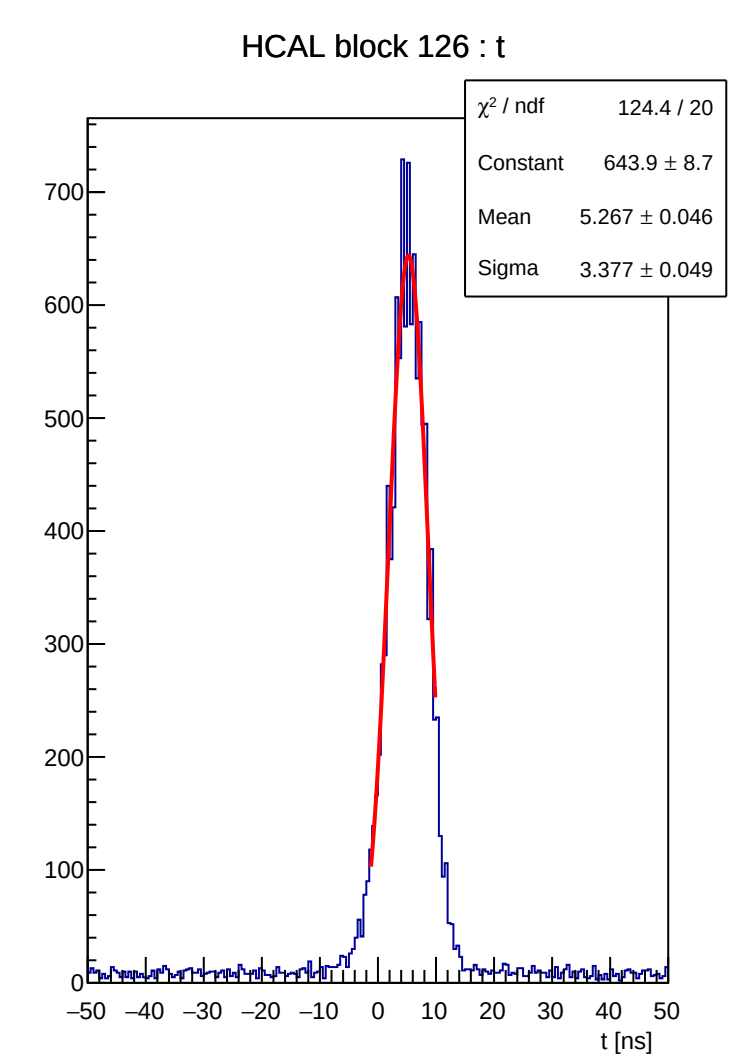

HCAL block 123 : t
χ² / ndf 47.04 / 20
Constant 195.7 ± 4.7
Mean 5.038 ± 0.084
Sigma 3.497 ± 0.094
t [ns]
HCAL block 123 : t tw corr
χ² / ndf 16.4 / 19
Constant 202.8 ± 4.9
Mean −1.435 ± 0.079
Sigma 3.435 ± 0.093
t tw corr [ns]

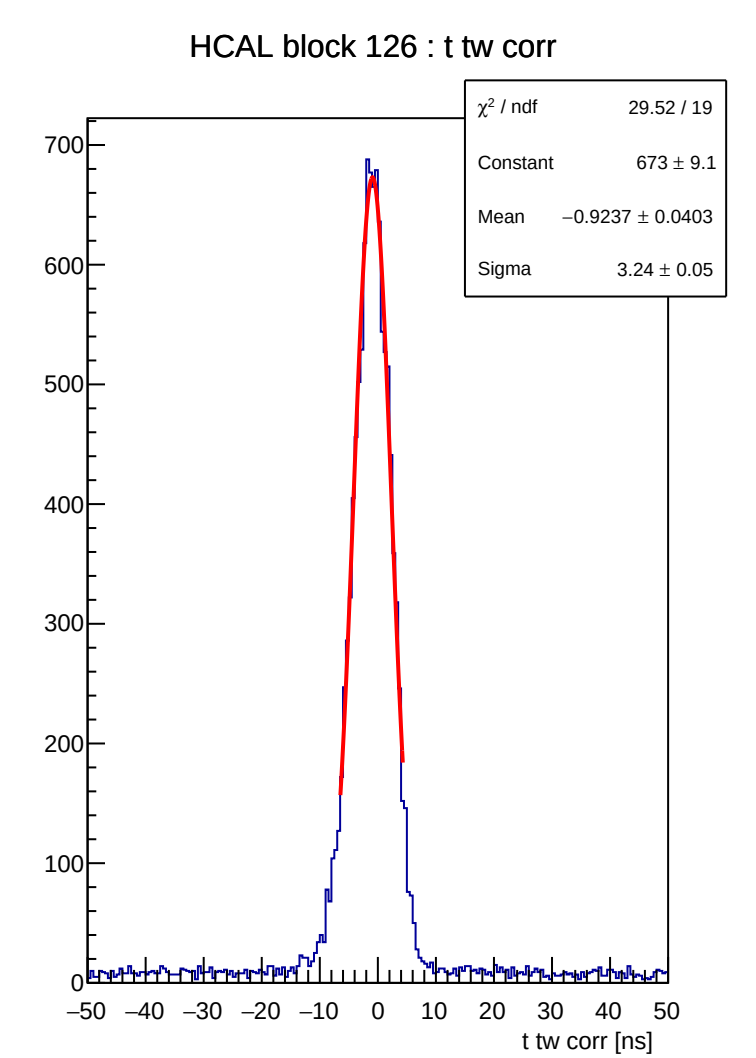

HCAL block 124 : t
χ² / ndf 131.6 / 19
Constant 392.2 ± 6.8
Mean 5.78 ± 0.08
Sigma 3.746 ± 0.089
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

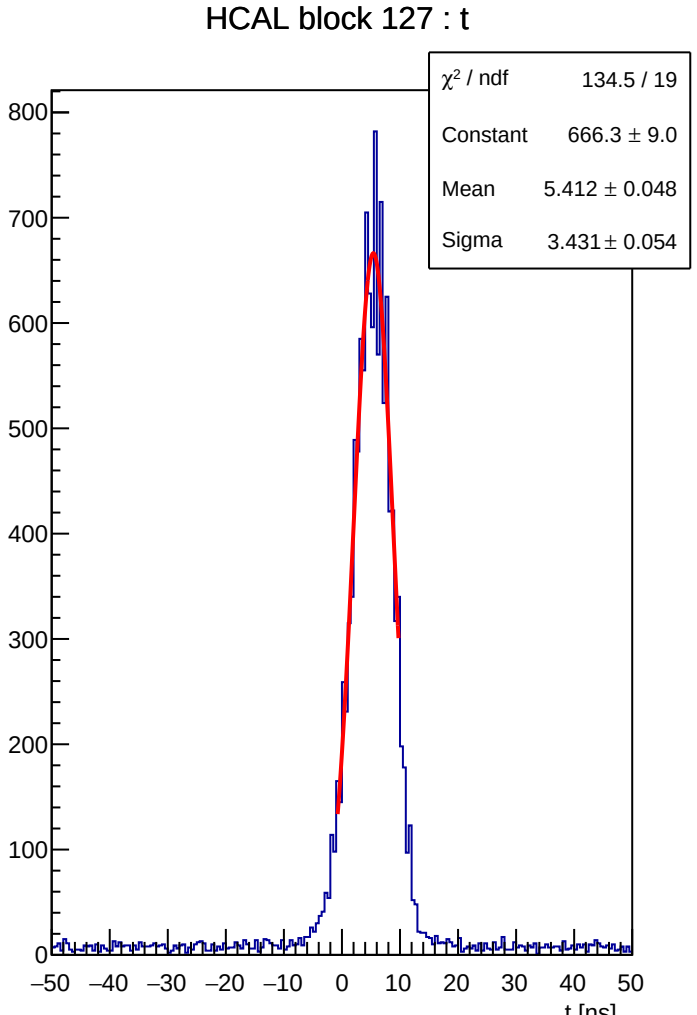

HCAL block 124 : t tw corr
χ² / ndf 46.75 / 19
Constant 417 ± 7.2
Mean –1.959 ± 0.054
Sigma 3.353 ± 0.063
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

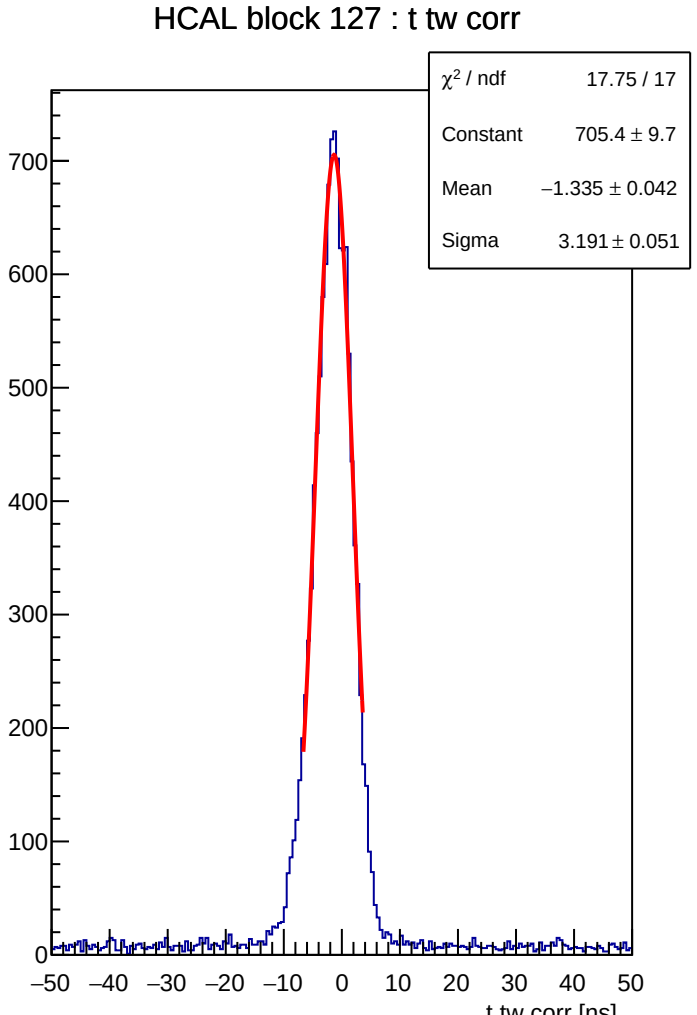

HCAL block 125 : t
χ² / ndf 149.8 / 19
Constant 546.9 ± 8.2
Mean 5.747 ± 0.051
Sigma 3.465 ± 0.061
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

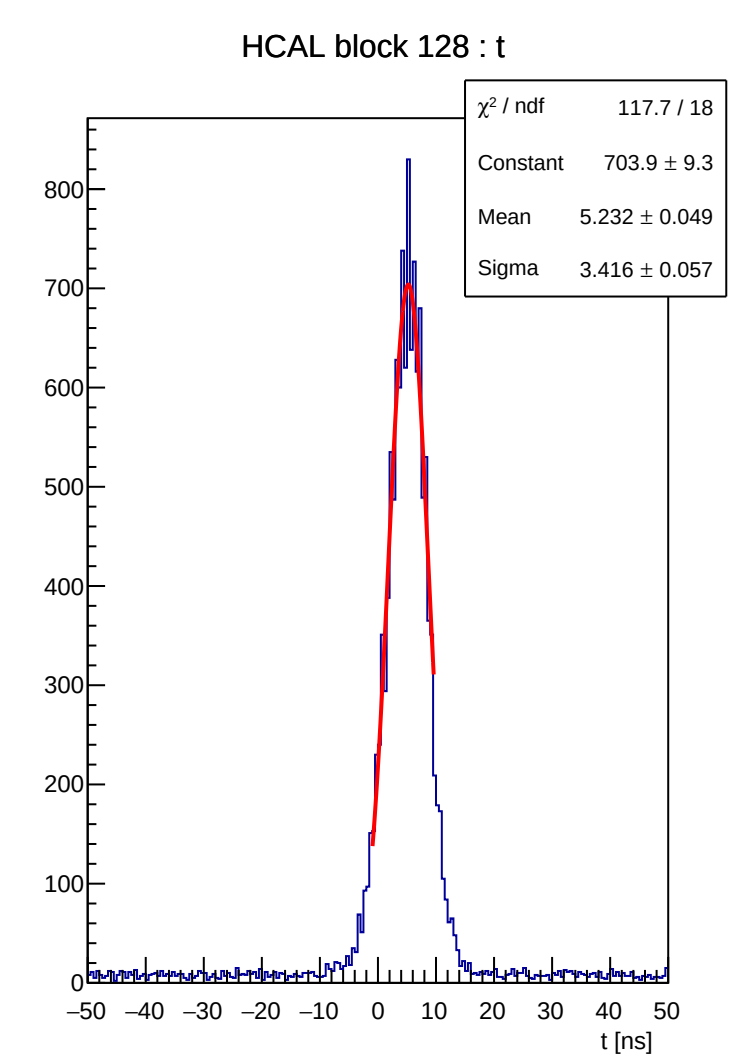

HCAL block 125 : t tw corr
χ² / ndf 27.78 / 19
Constant 581.6 ± 8.5
Mean −0.5784 ± 0.0433
Sigma 3.23 ± 0.05
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

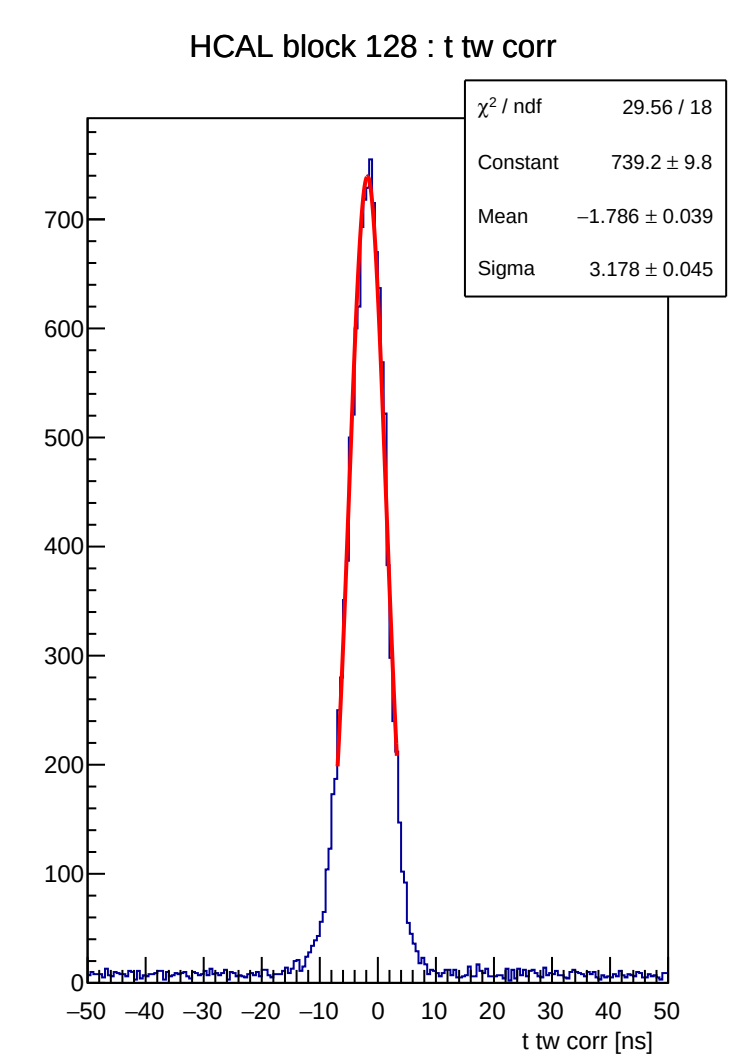

HCAL block 126 : t
χ² / ndf 124.4 / 20
Constant 643.9 ± 8.7
Mean 5.267 ± 0.046
Sigma 3.377 ± 0.049
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

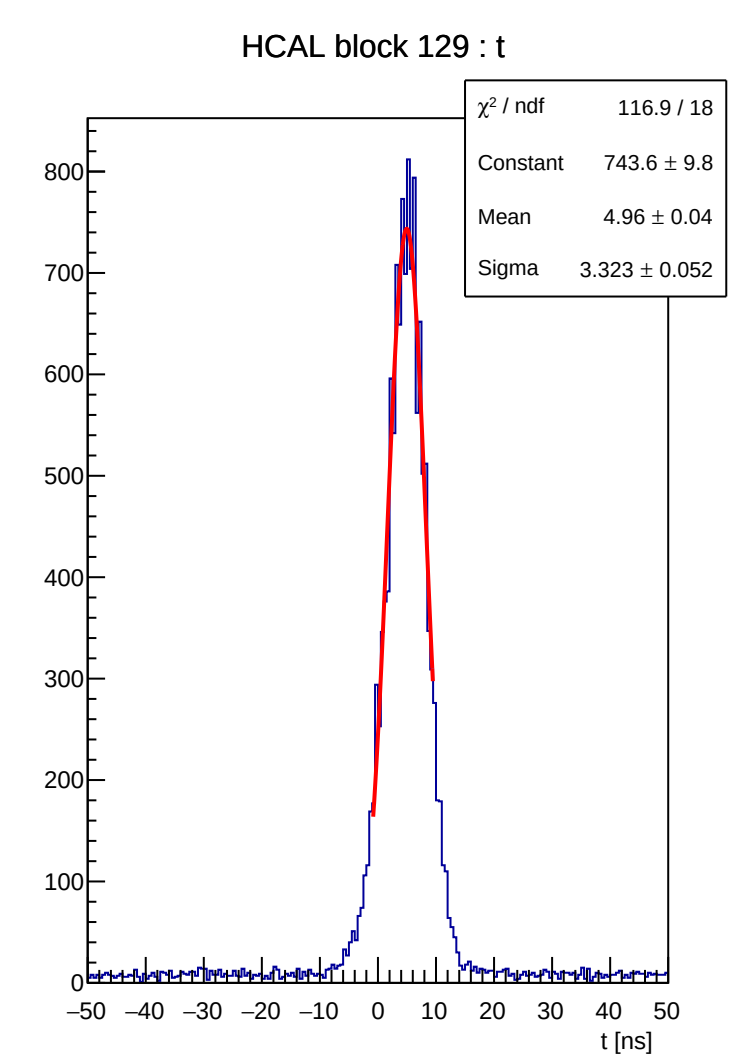

HCAL block 126 : t tw corr
χ² / ndf 29.52 / 19
Constant 673 ± 9.1
Mean −0.9237 ± 0.0403
Sigma 3.24 ± 0.05
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

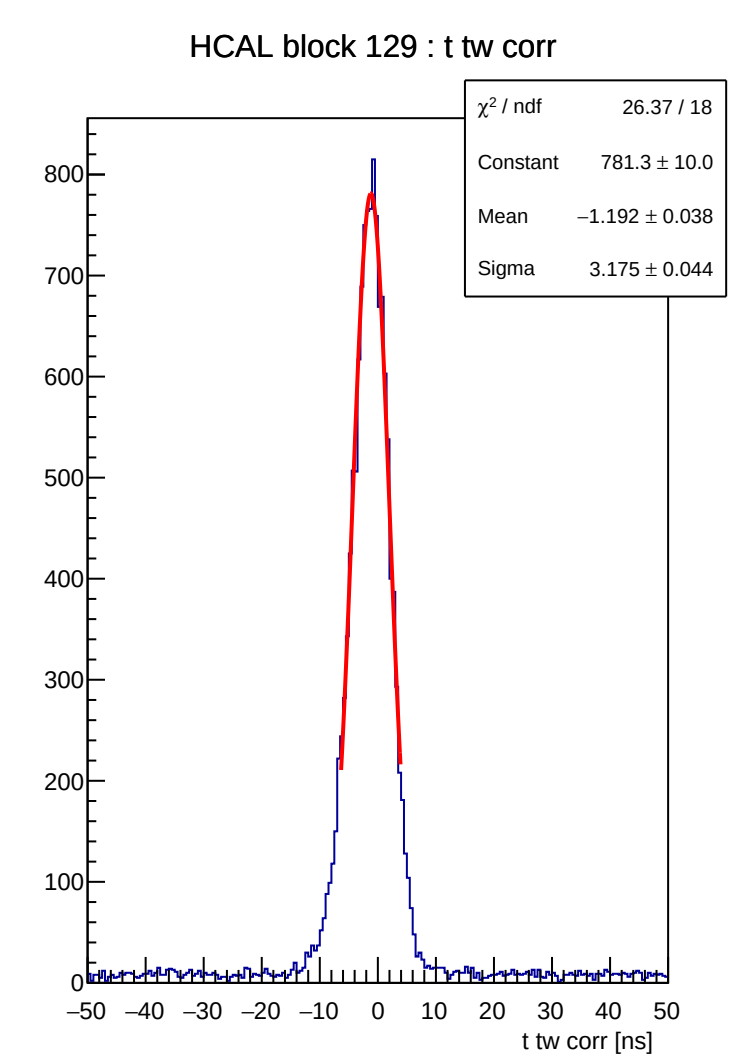

HCAL block 127 : t
χ² / ndf 134.5 / 19
Constant 666.3 ± 9.0
Mean 5.412 ± 0.048
Sigma 3.431 ± 0.054
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

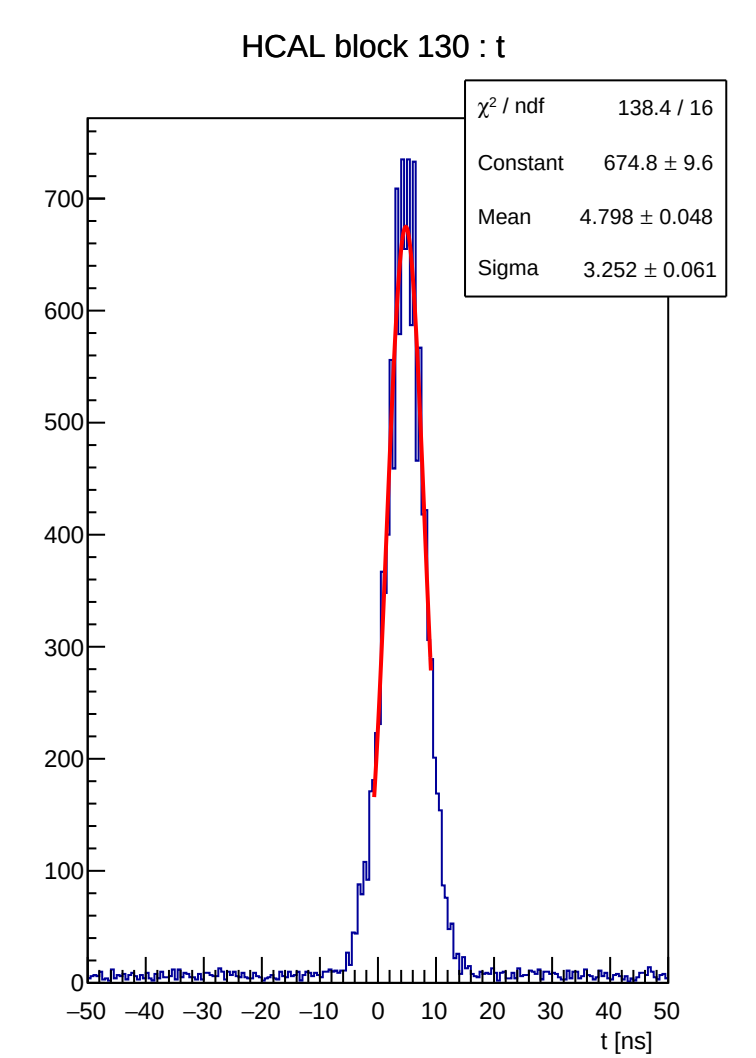

HCAL block 127 : t tw corr
χ² / ndf 17.75 / 17
Constant 705.4 ± 9.7
Mean –1.335 ± 0.042
Sigma 3.191 ± 0.051
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

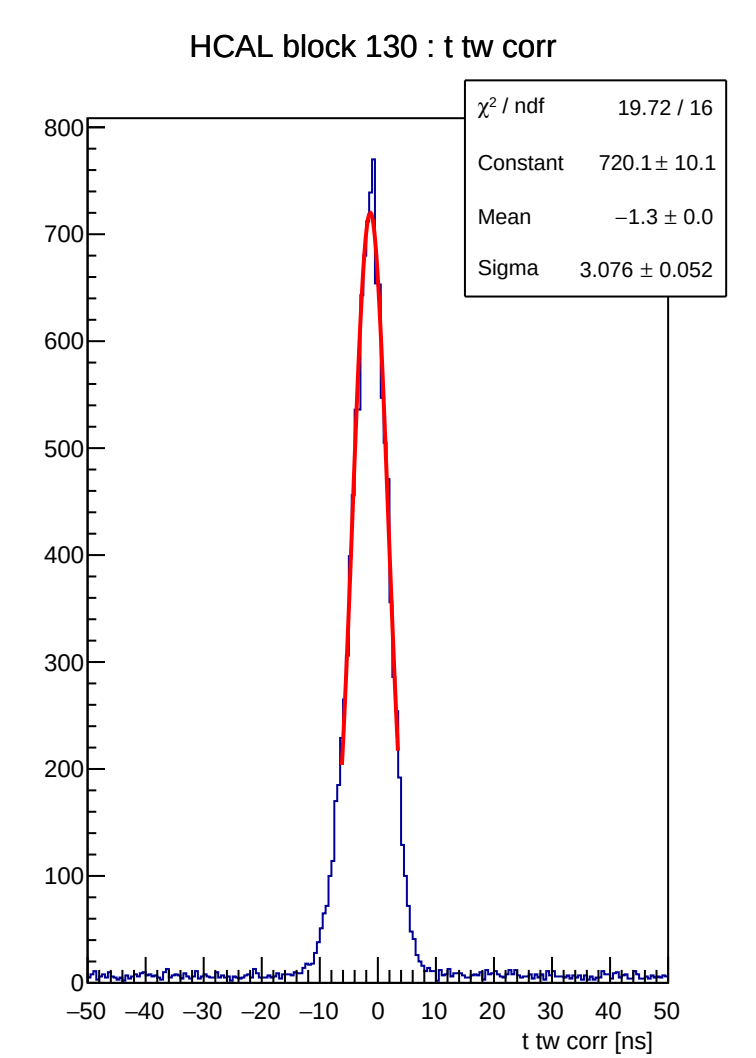

HCAL block 128 : t
χ² / ndf 117.7 / 18
Constant 703.9 ± 9.3
Mean 5.232 ± 0.049
Sigma 3.416 ± 0.057
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

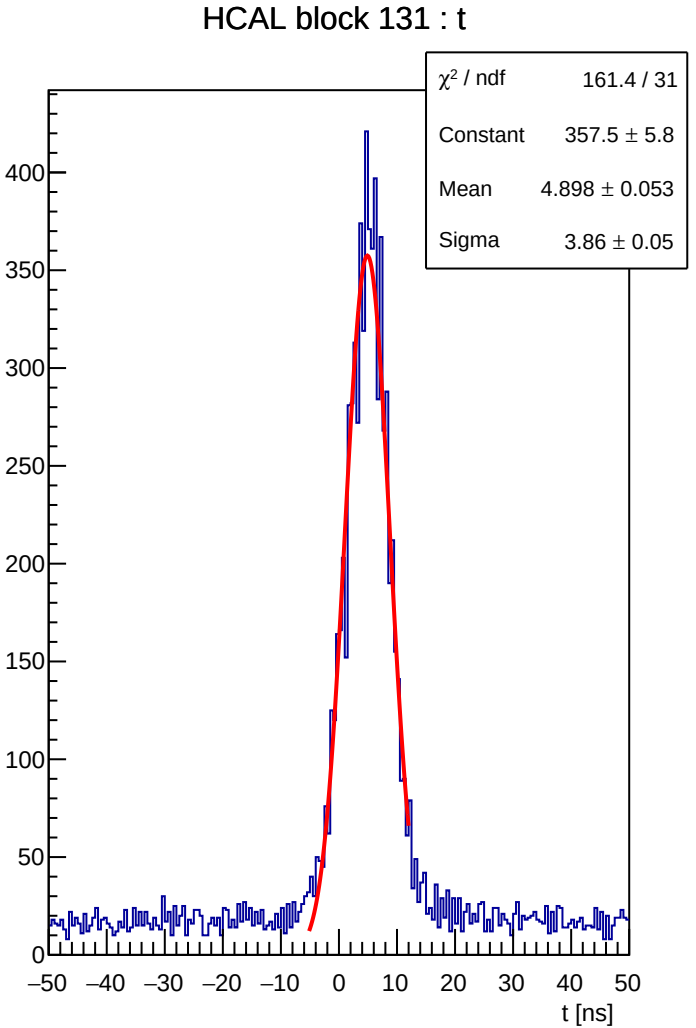

HCAL block 128 : t tw corr
χ² / ndf 29.56 / 18
Constant 739.2 ± 9.8
Mean –1.786 ± 0.039
Sigma 3.178 ± 0.045
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

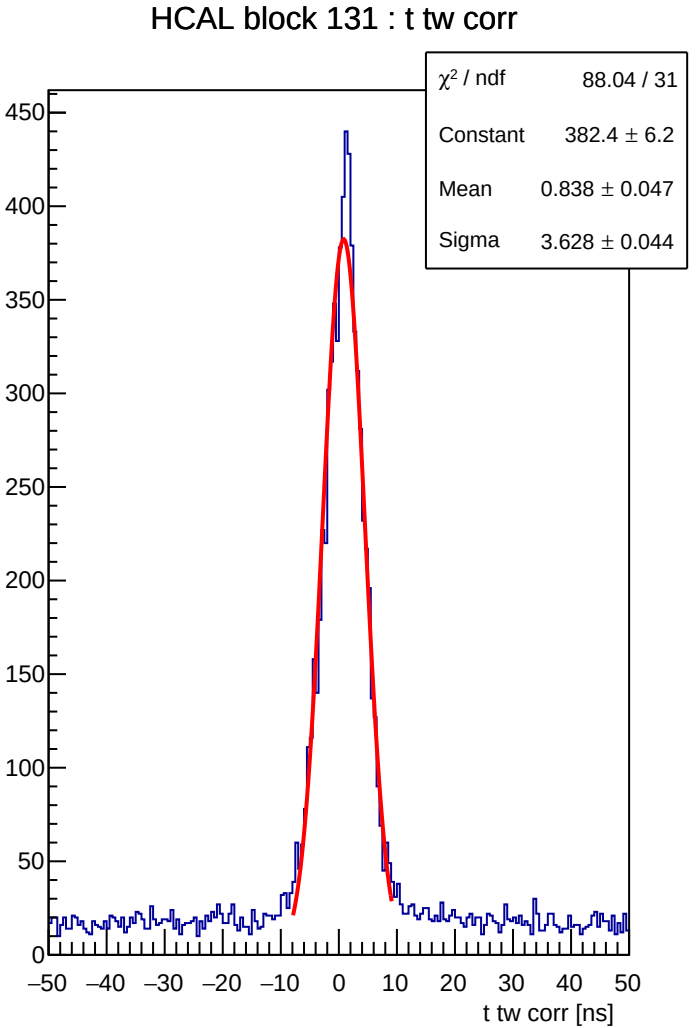

HCAL block 129 : t
χ² / ndf 116.9 / 18
Constant 743.6 ± 9.8
Mean 4.96 ± 0.04
Sigma 3.323 ± 0.052
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

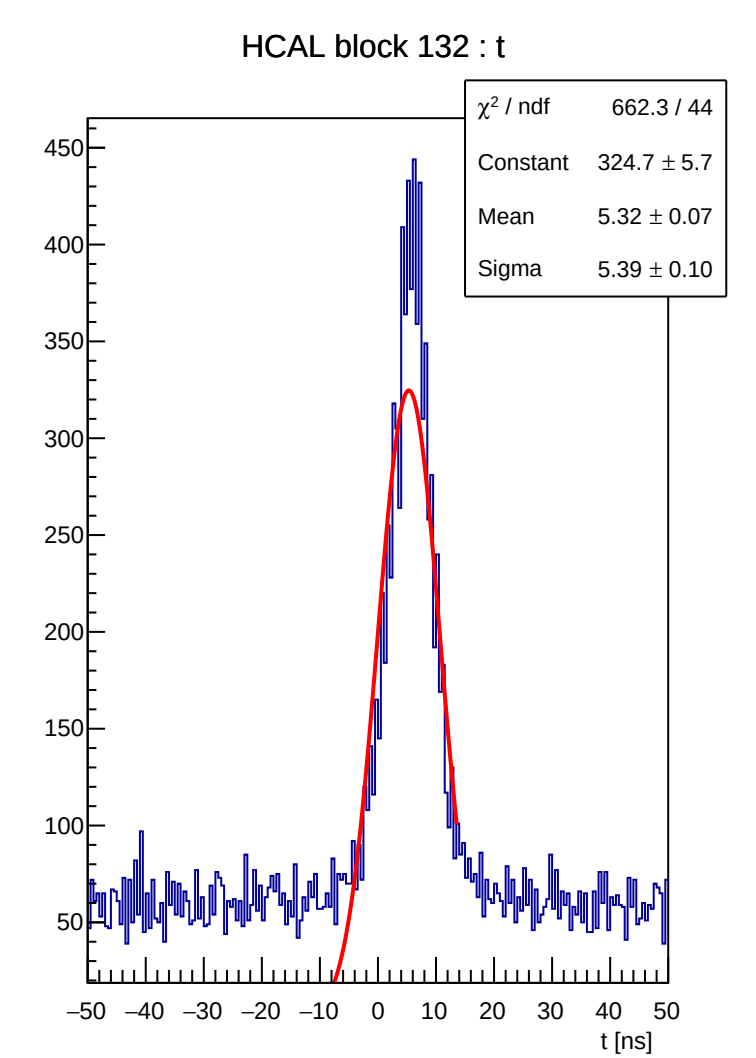

HCAL block 129 : t tw corr
χ² / ndf 26.37 / 18
Constant 781.3 ± 10.0
Mean –1.192 ± 0.038
Sigma 3.175 ± 0.044
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

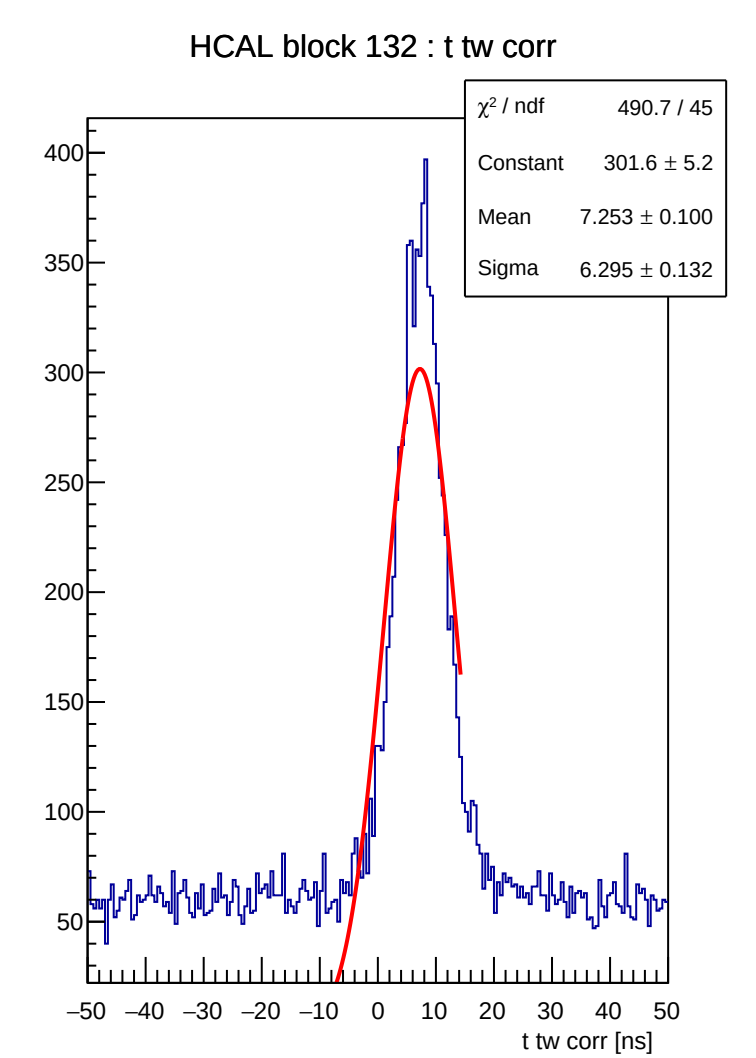

HCAL block 130 : t
χ² / ndf 138.4 / 16
Constant 674.8 ± 9.6
Mean 4.798 ± 0.048
Sigma 3.252 ± 0.061
t [ns]

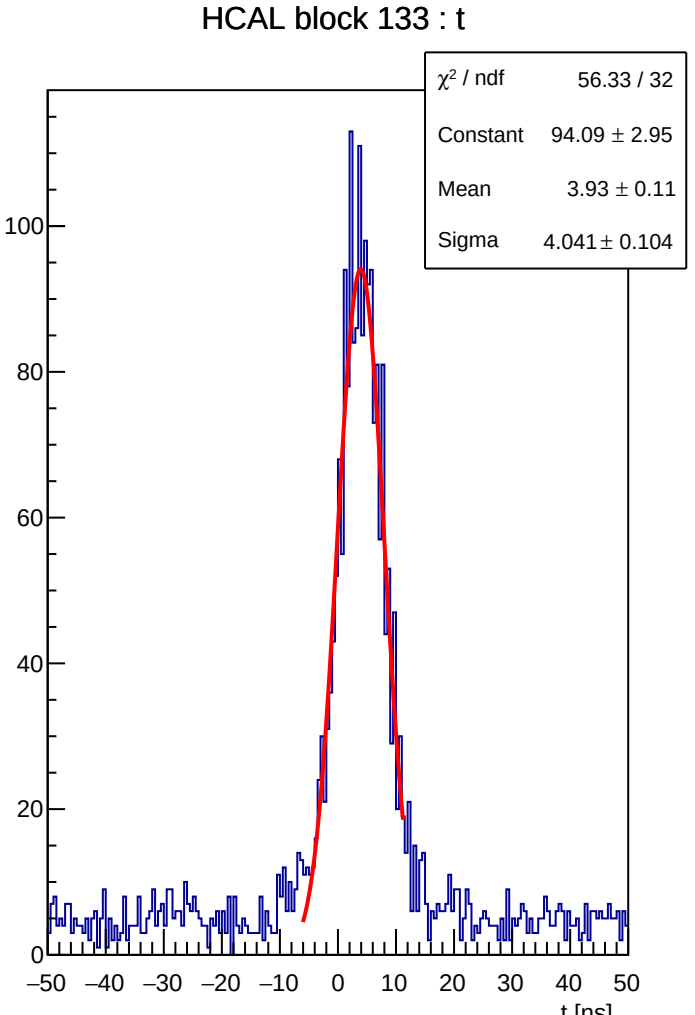

HCAL block 130 : t tw corr
χ² / ndf 19.72 / 16
Constant 720.1 ± 10.1
Mean −1.3 ± 0.0
Sigma 3.076 ± 0.052
t tw corr [ns]

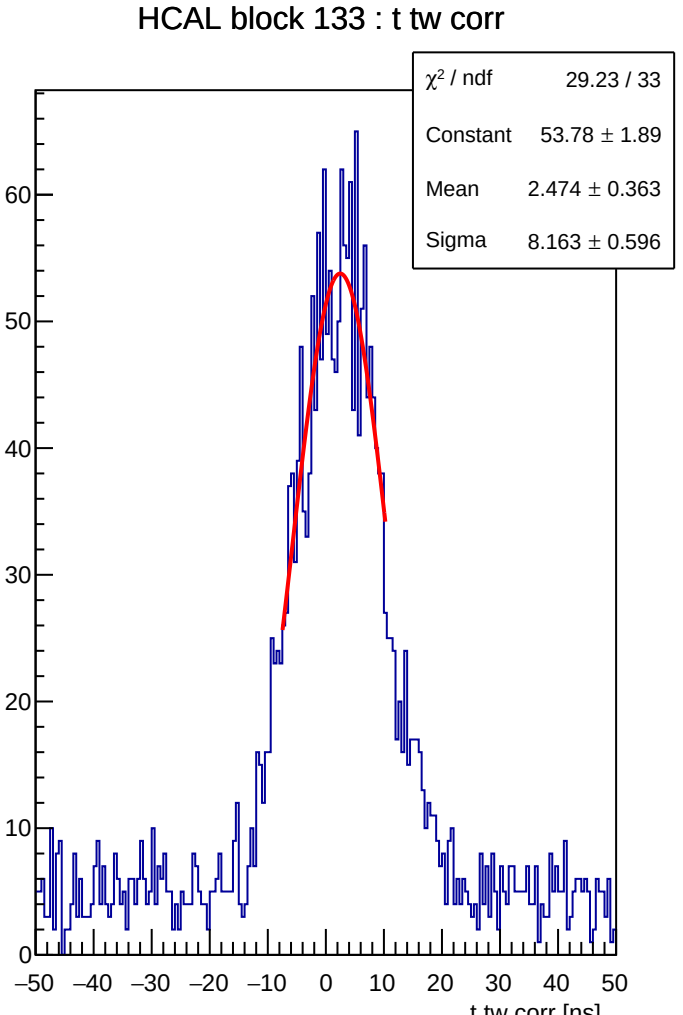

HCAL block 131 : t
χ² / ndf 161.4 / 31
Constant 357.5 ± 5.8
Mean 4.898 ± 0.053
Sigma 3.86 ± 0.05
t [ns]

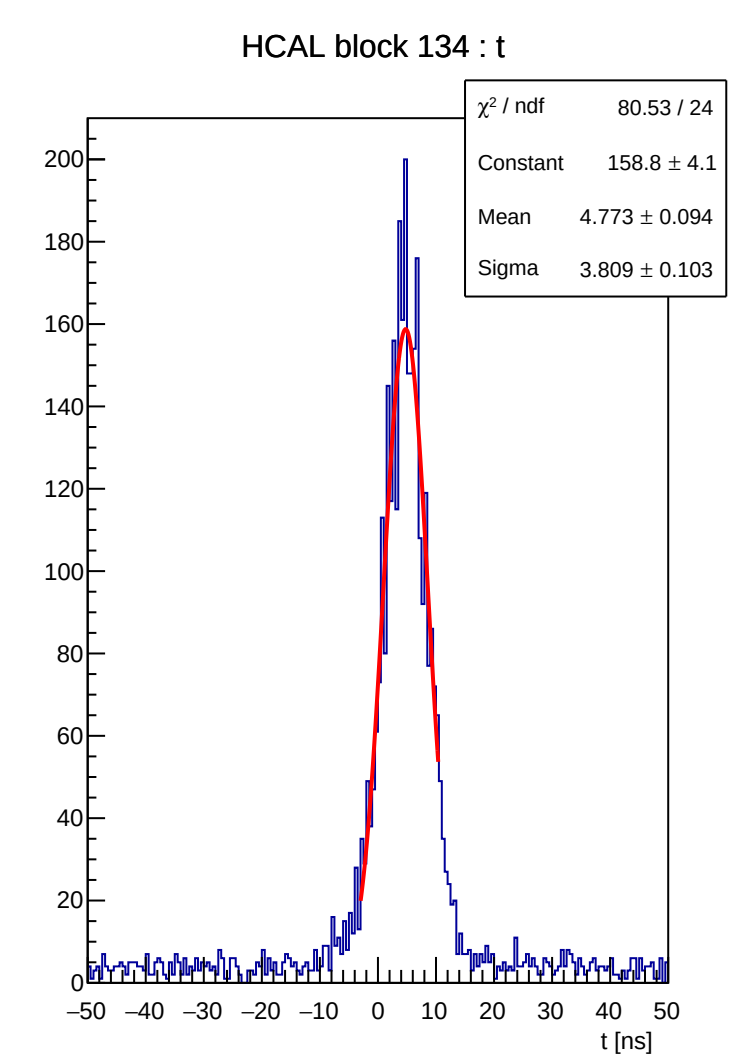

HCAL block 131 : t tw corr
χ² / ndf 88.04 / 31
Constant 382.4 ± 6.2
Mean 0.838 ± 0.047
Sigma 3.628 ± 0.044
t tw corr [ns]

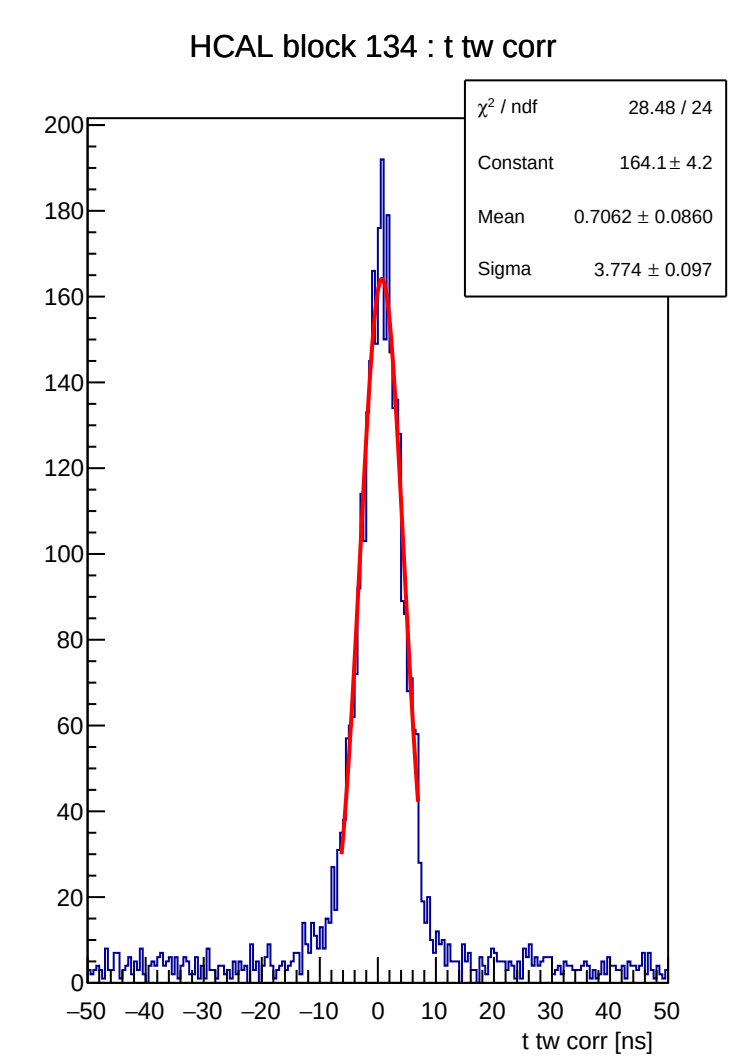

HCAL block 132 : t
χ² / ndf 662.3 / 44
Constant 324.7 ± 5.7
Mean 5.32 ± 0.07
Sigma 5.39 ± 0.10
t [ns]

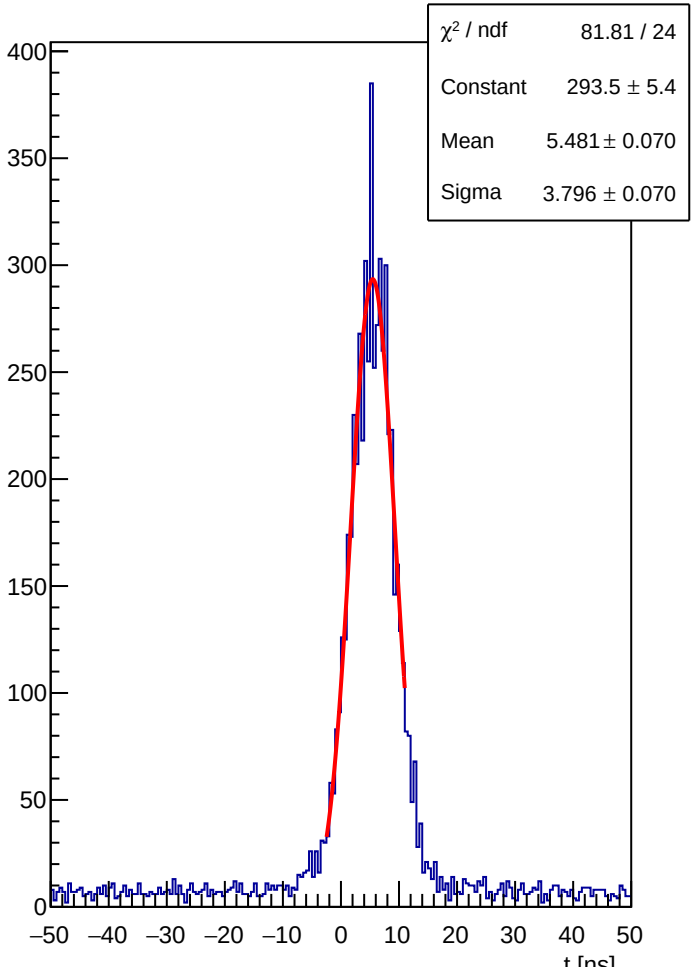

HCAL block 132 : t tw corr
χ² / ndf 490.7 / 45
Constant 301.6 ± 5.2
Mean 7.253 ± 0.100
Sigma 6.295 ± 0.132
t tw corr [ns]

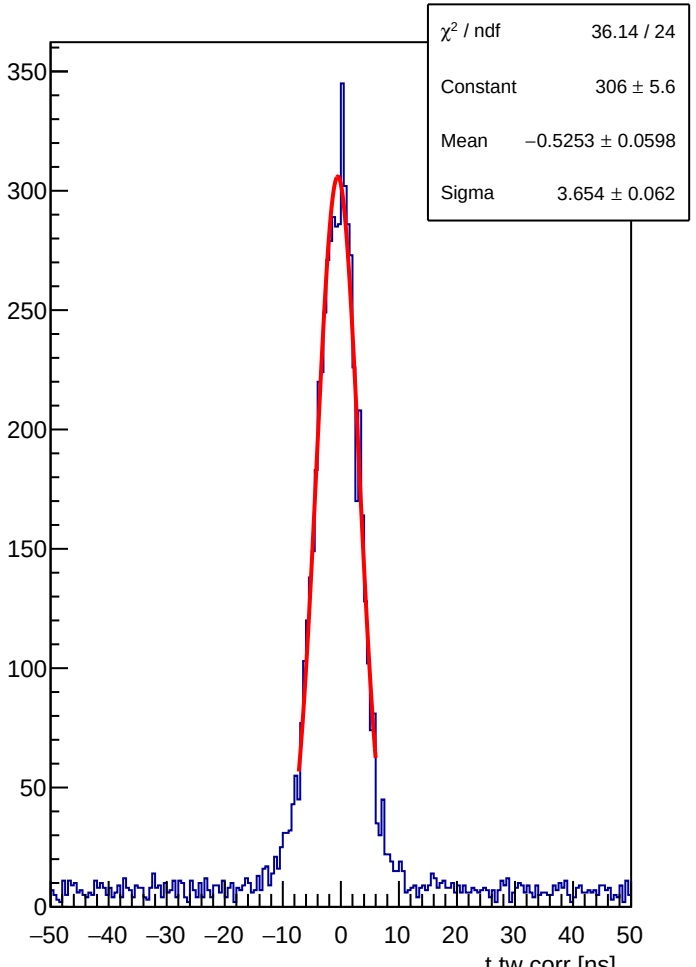

HCAL block 133 : t
χ² / ndf 56.33 / 32
Constant 94.09 ± 2.95
Mean 3.93 ± 0.11
Sigma 4.041 ± 0.104
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

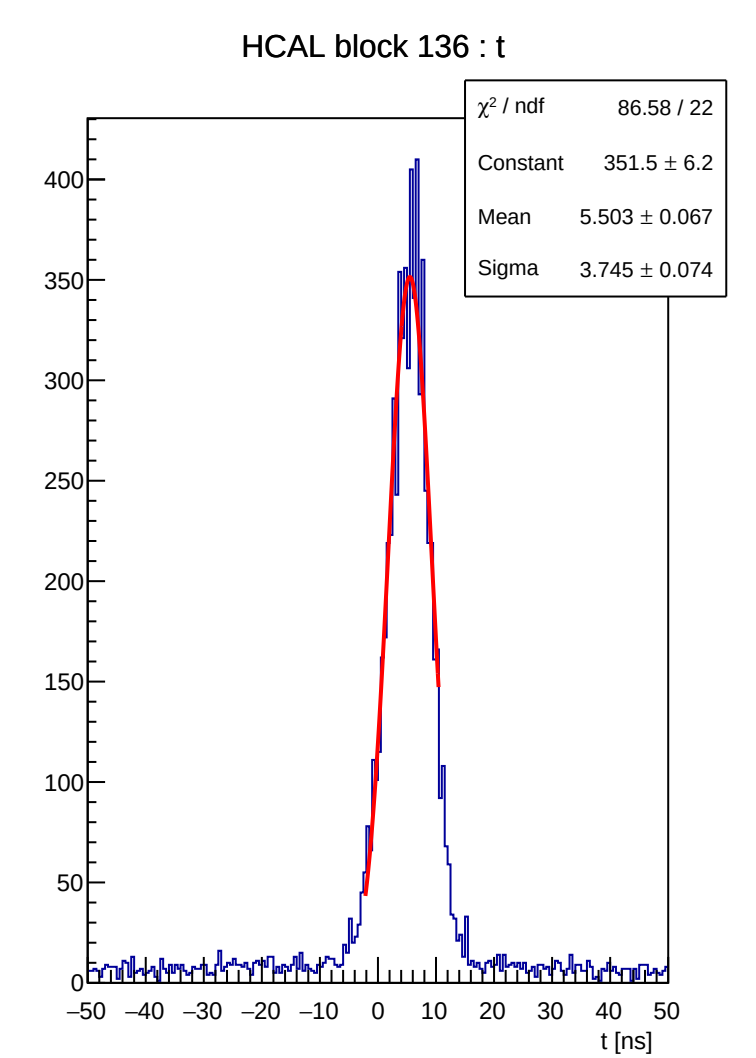

HCAL block 133 : t tw corr
χ² / ndf 29.23 / 33
Constant 53.78 ± 1.89
Mean 2.474 ± 0.363
Sigma 8.163 ± 0.596
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

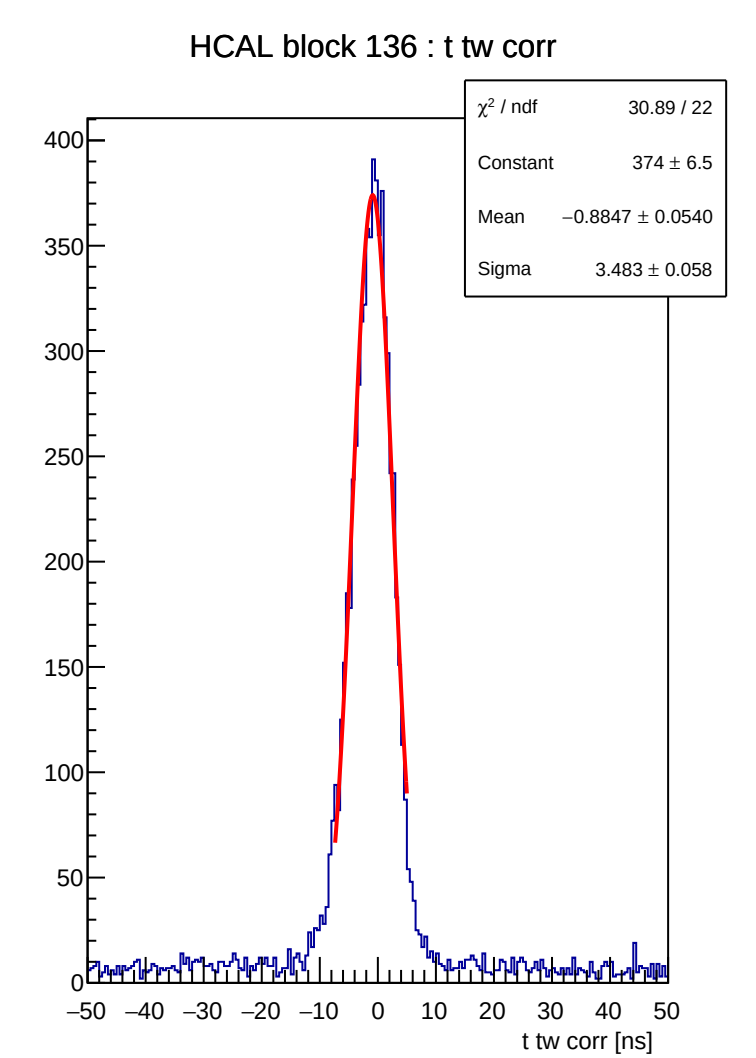

HCAL block 134 : t
χ² / ndf 80.53 / 24
Constant 158.8 ± 4.1
Mean 4.773 ± 0.094
Sigma 3.809 ± 0.103
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

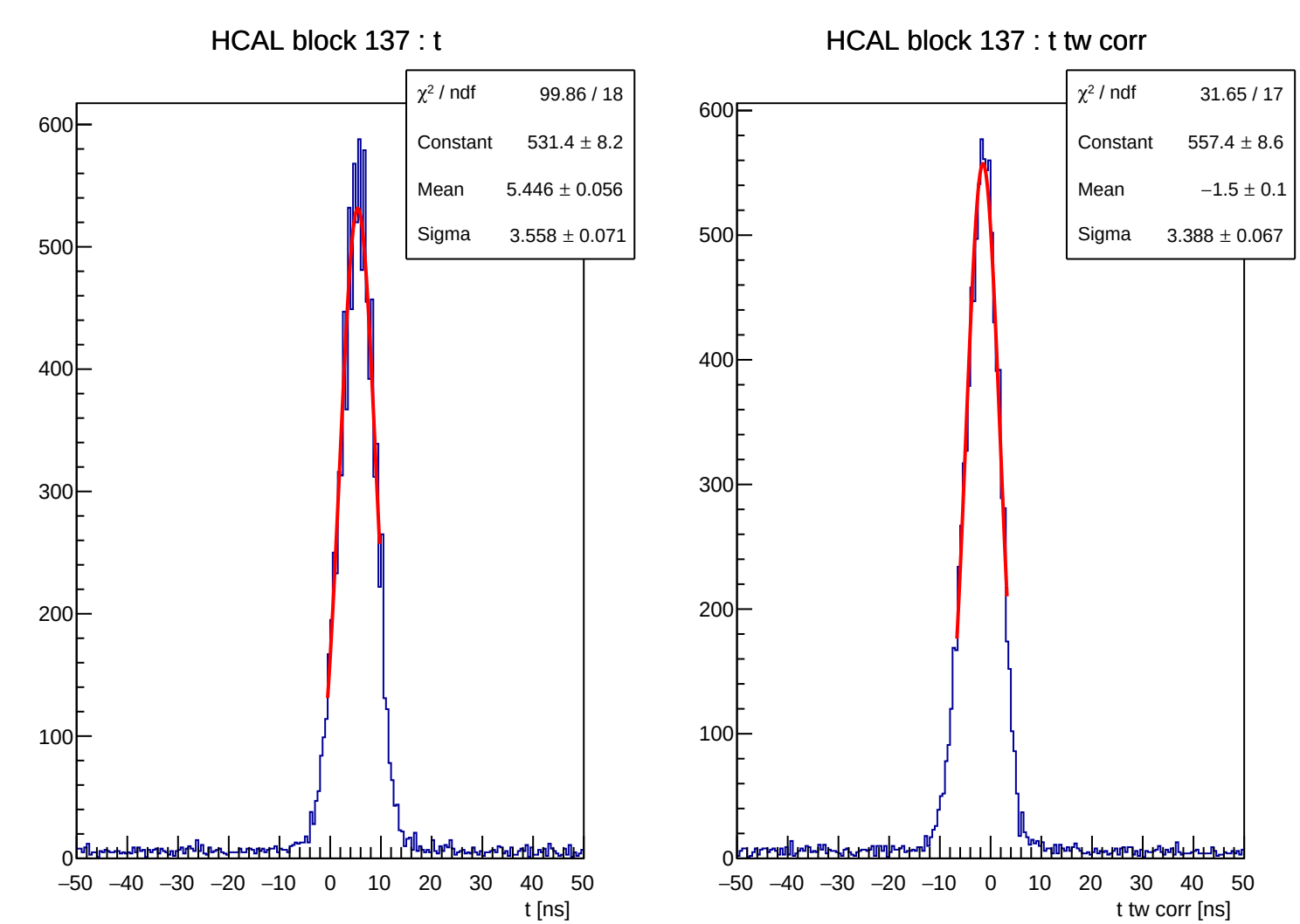

HCAL block 134 : t tw corr
χ² / ndf 28.48 / 24
Constant 164.1 ± 4.2
Mean 0.7062 ± 0.0860
Sigma 3.774 ± 0.097
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

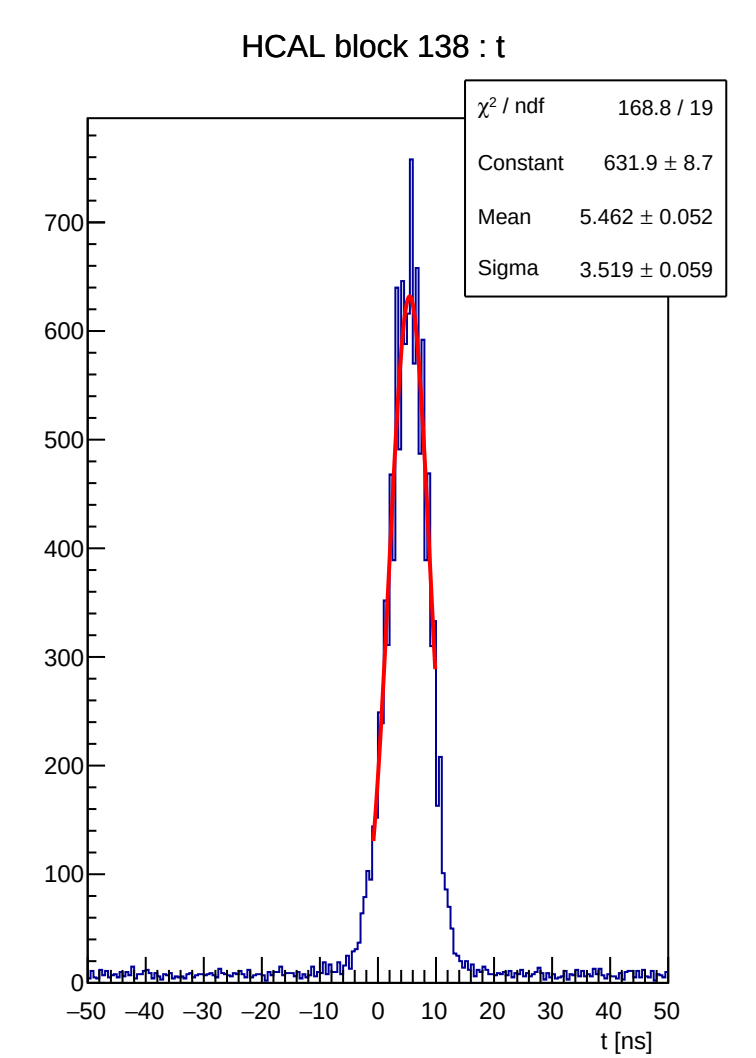

HCAL block 135 : t
χ² / ndf 81.81 / 24
Constant 293.5 ± 5.4
Mean 5.481 ± 0.070
Sigma 3.796 ± 0.070
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

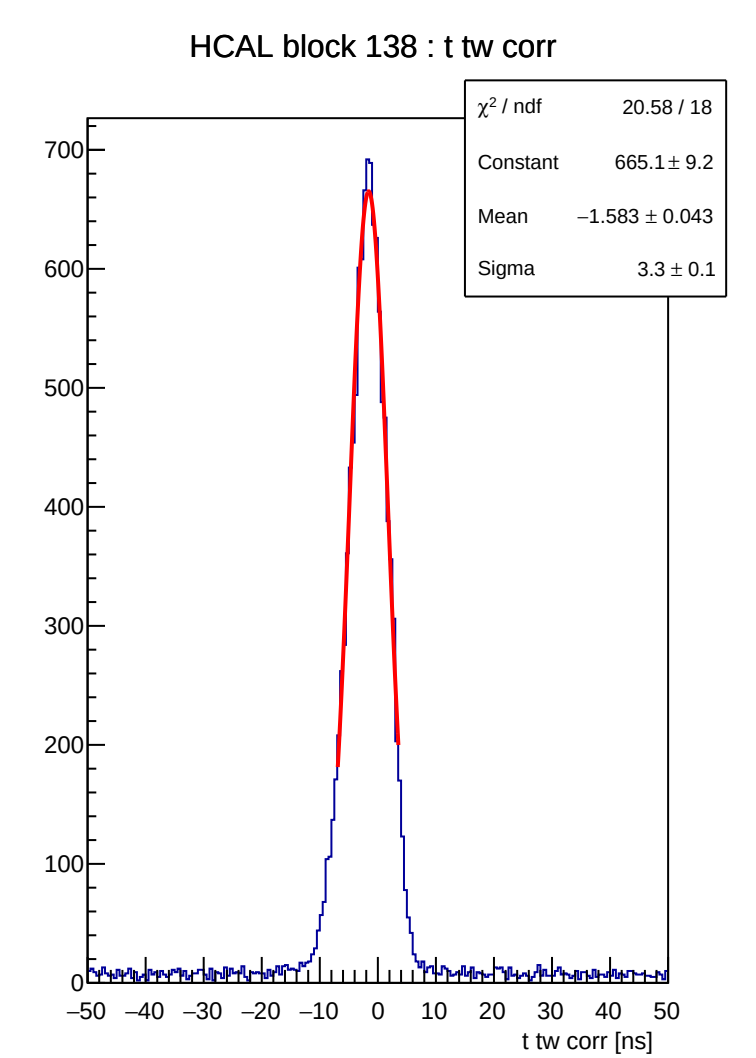

HCAL block 135 : t tw corr
χ² / ndf 36.14 / 24
Constant 306 ± 5.6
Mean −0.5253 ± 0.0598
Sigma 3.654 ± 0.062
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

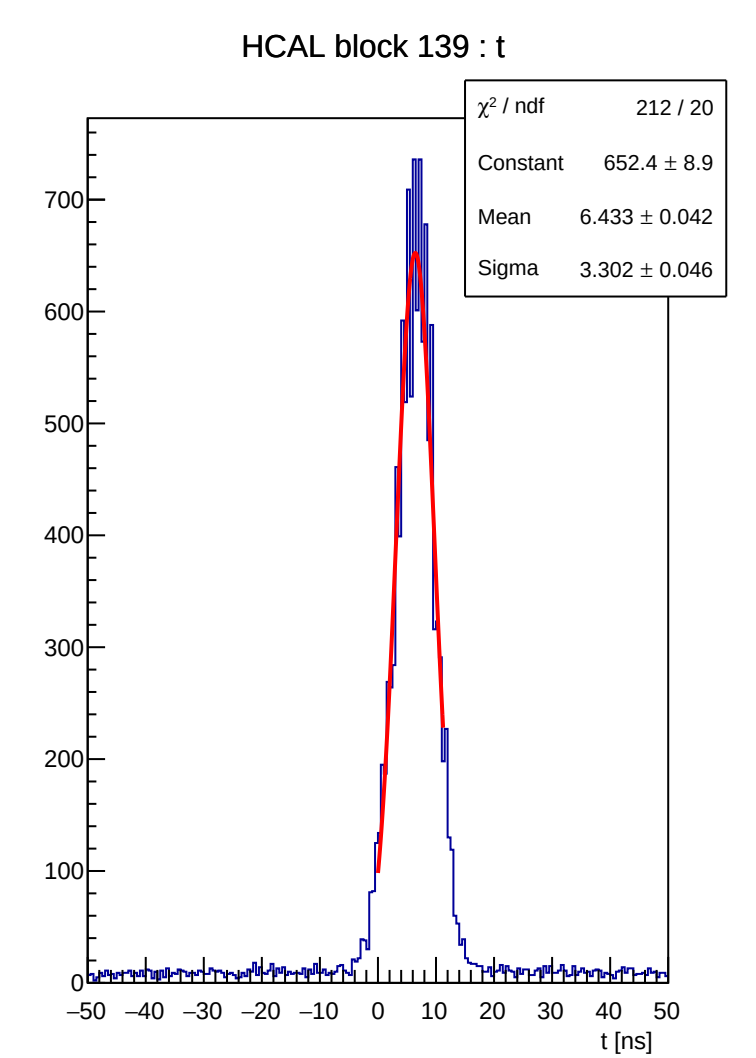

HCAL block 136 : t
χ² / ndf 86.58 / 22
Constant 351.5 ± 6.2
Mean 5.503 ± 0.067
Sigma 3.745 ± 0.074
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

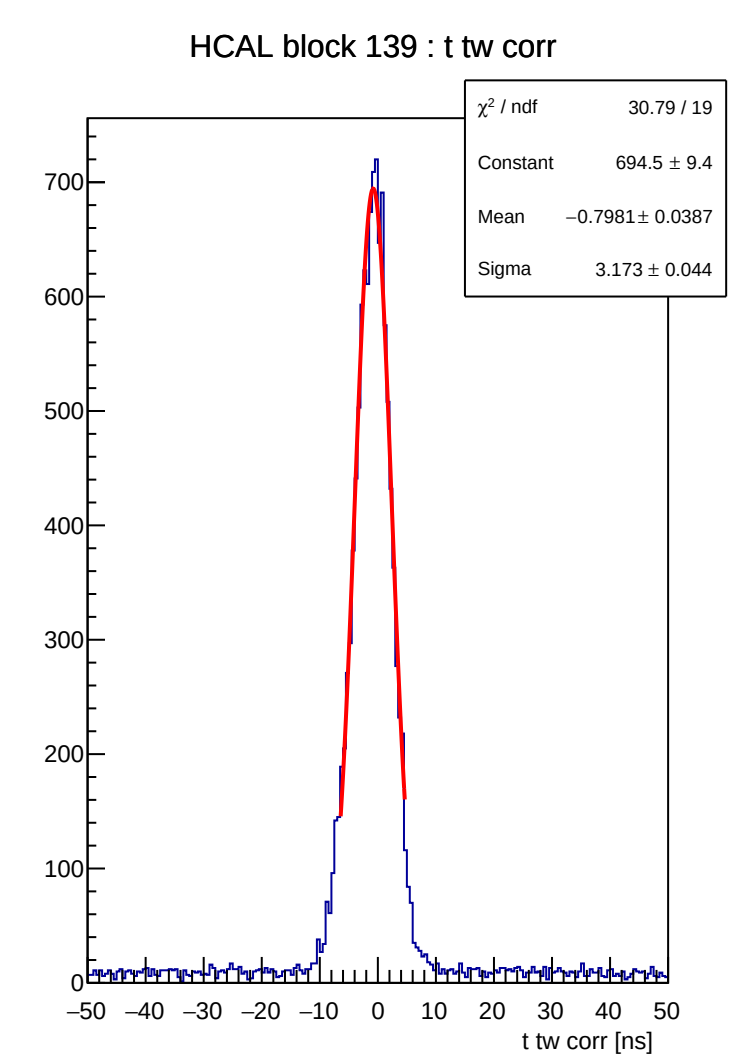

HCAL block 136 : t tw corr
χ² / ndf 30.89 / 22
Constant 374 ± 6.5
Mean −0.8847 ± 0.0540
Sigma 3.483 ± 0.058
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

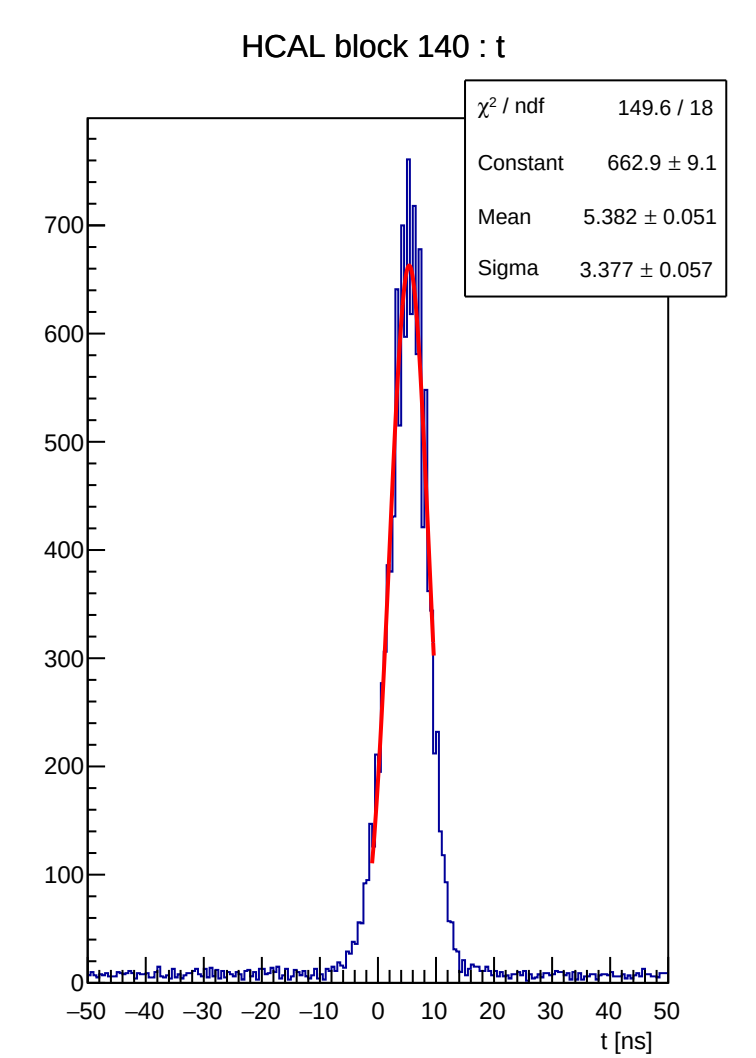

HCAL block 137 : t
χ² / ndf 99.86 / 18
Constant 531.4 ± 8.2
Mean 5.446 ± 0.056
Sigma 3.558 ± 0.071
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 137 : t tw corr
χ² / ndf 31.65 / 17
Constant 557.4 ± 8.6
Mean –1.5 ± 0.1
Sigma 3.388 ± 0.067
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

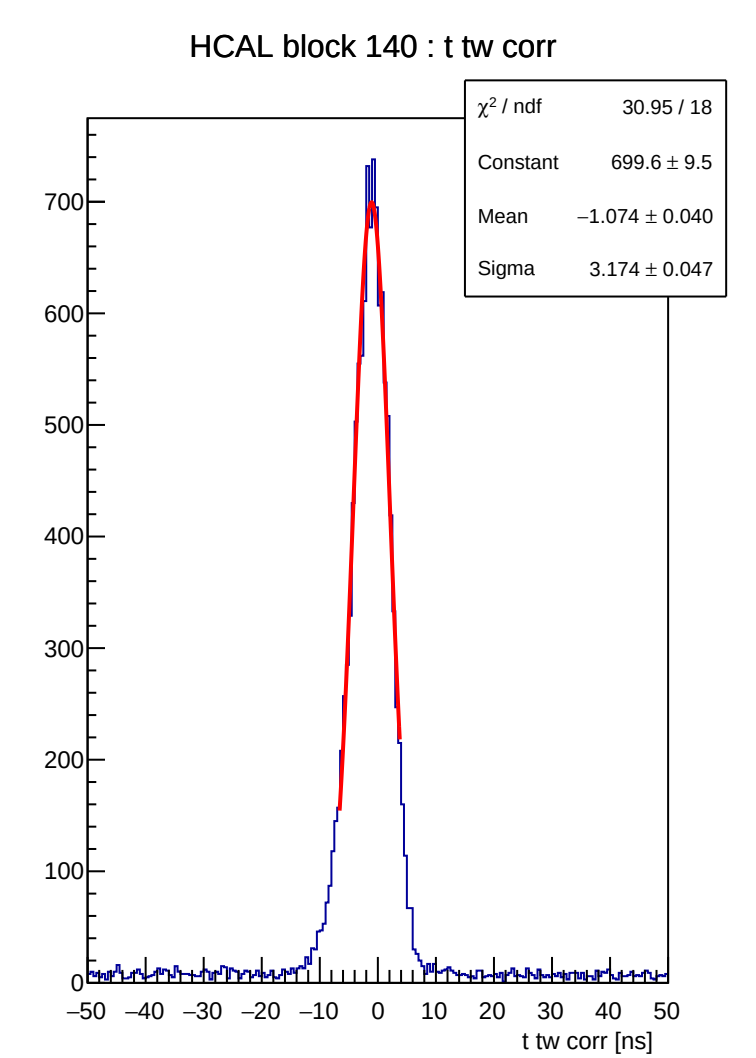

HCAL block 138 : t
χ² / ndf 168.8 / 19
Constant 631.9 ± 8.7
Mean 5.462 ± 0.052
Sigma 3.519 ± 0.059
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

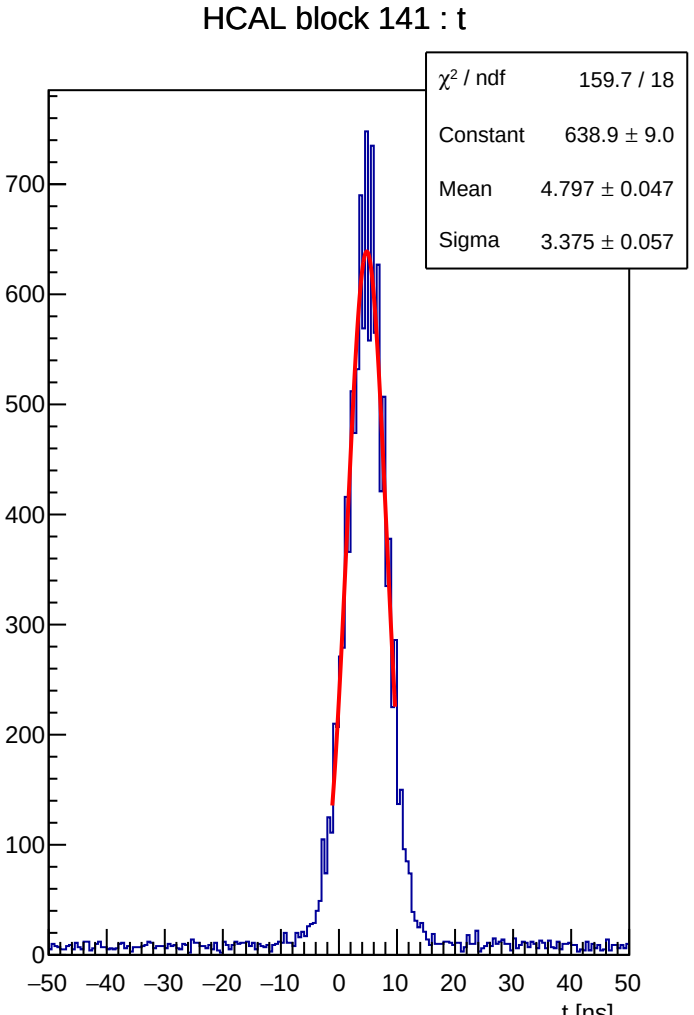

HCAL block 138 : t tw corr
χ² / ndf 20.58 / 18
Constant 665.1 ± 9.2
Mean –1.583 ± 0.043
Sigma 3.3 ± 0.1
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

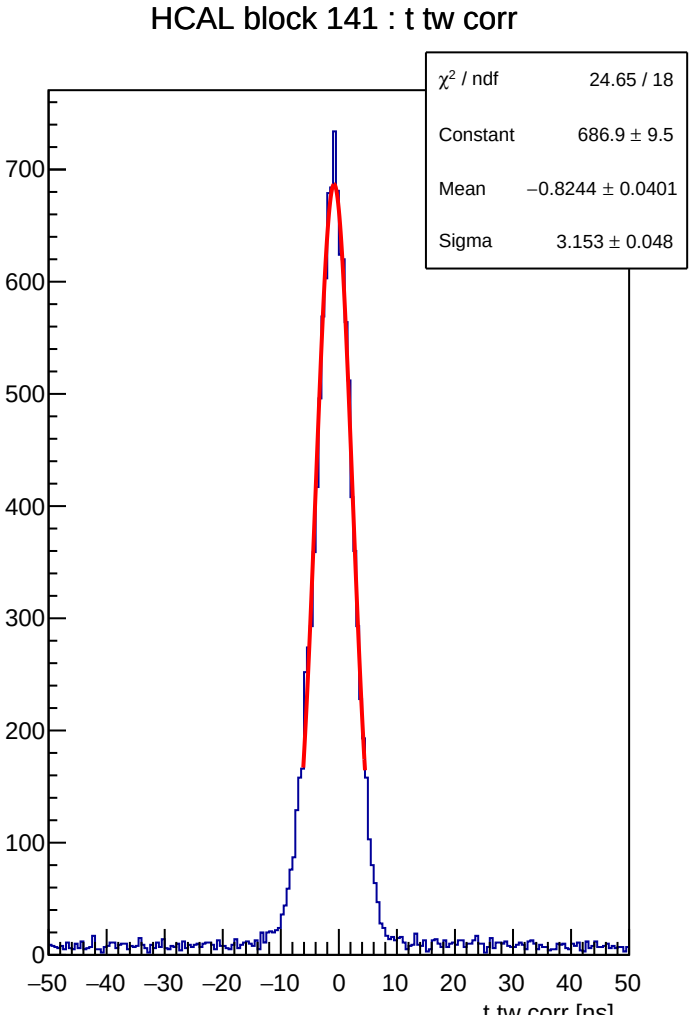

HCAL block 139 : t
χ² / ndf 212 / 20
Constant 652.4 ± 8.9
Mean 6.433 ± 0.042
Sigma 3.302 ± 0.046
t [ns]

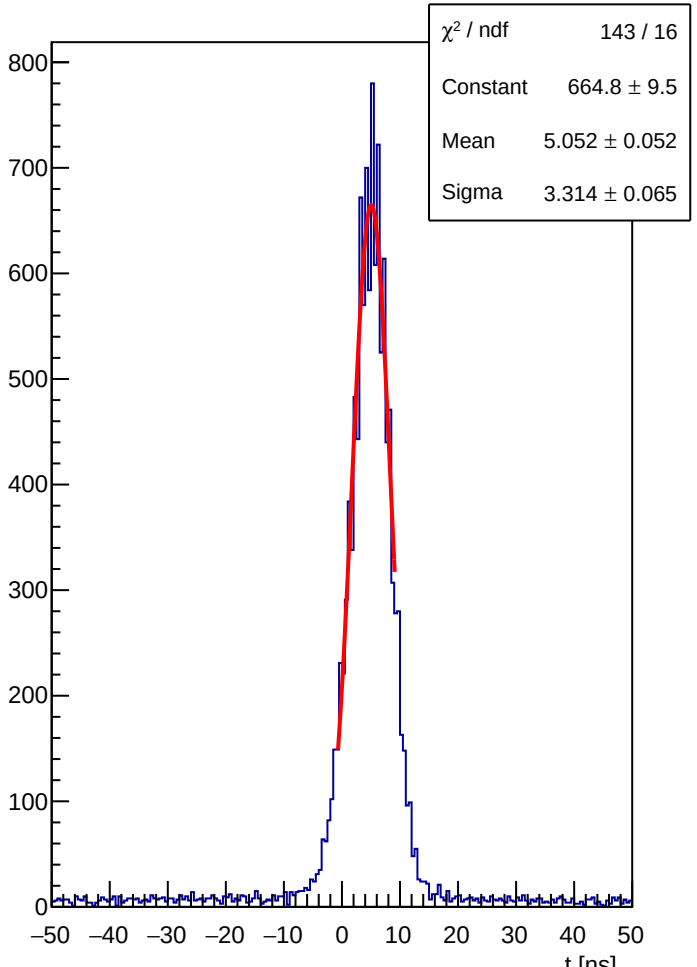

HCAL block 139 : t tw corr
χ² / ndf 30.79 / 19
Constant 694.5 ± 9.4
Mean −0.7981 ± 0.0387
Sigma 3.173 ± 0.044
t tw corr [ns]

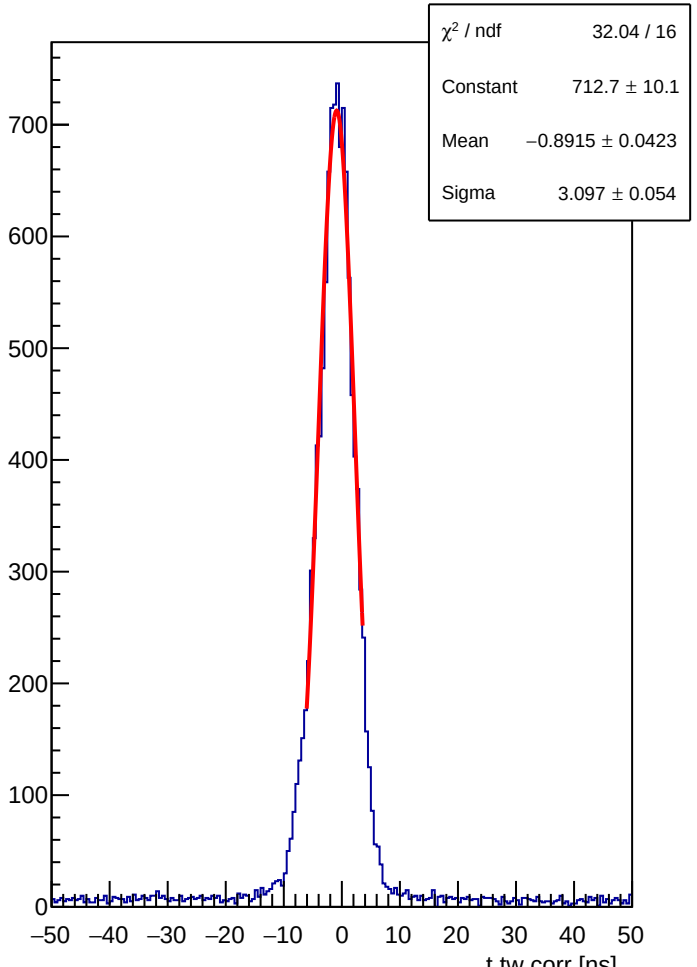

HCAL block 140 : t
χ² / ndf 149.6 / 18
Constant 662.9 ± 9.1
Mean 5.382 ± 0.051
Sigma 3.377 ± 0.057
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

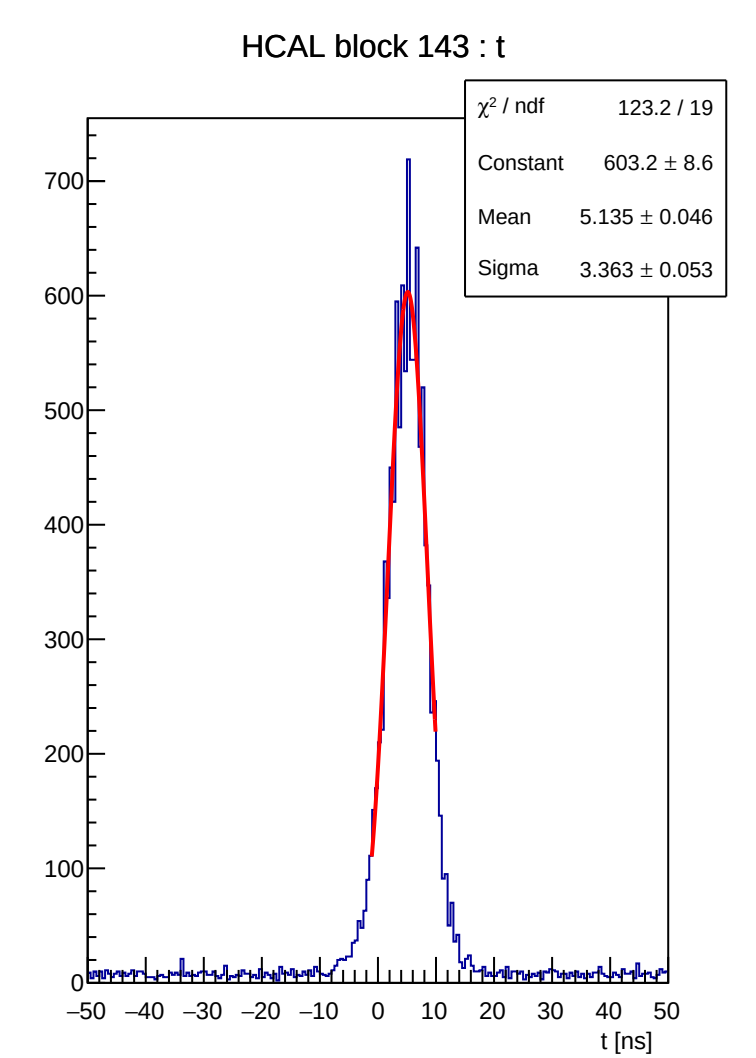

HCAL block 140 : t tw corr
χ² / ndf 30.95 / 18
Constant 699.6 ± 9.5
Mean –1.074 ± 0.040
Sigma 3.174 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

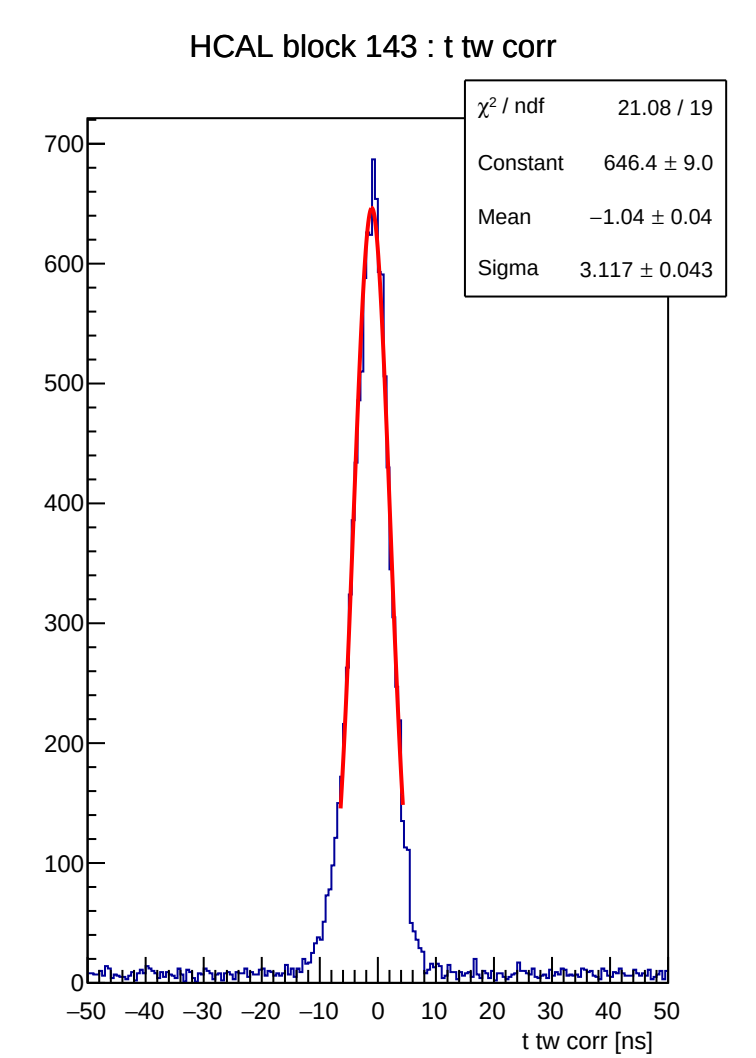

HCAL block 141 : t
χ² / ndf 159.7 / 18
Constant 638.9 ± 9.0
Mean 4.797 ± 0.047
Sigma 3.375 ± 0.057
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

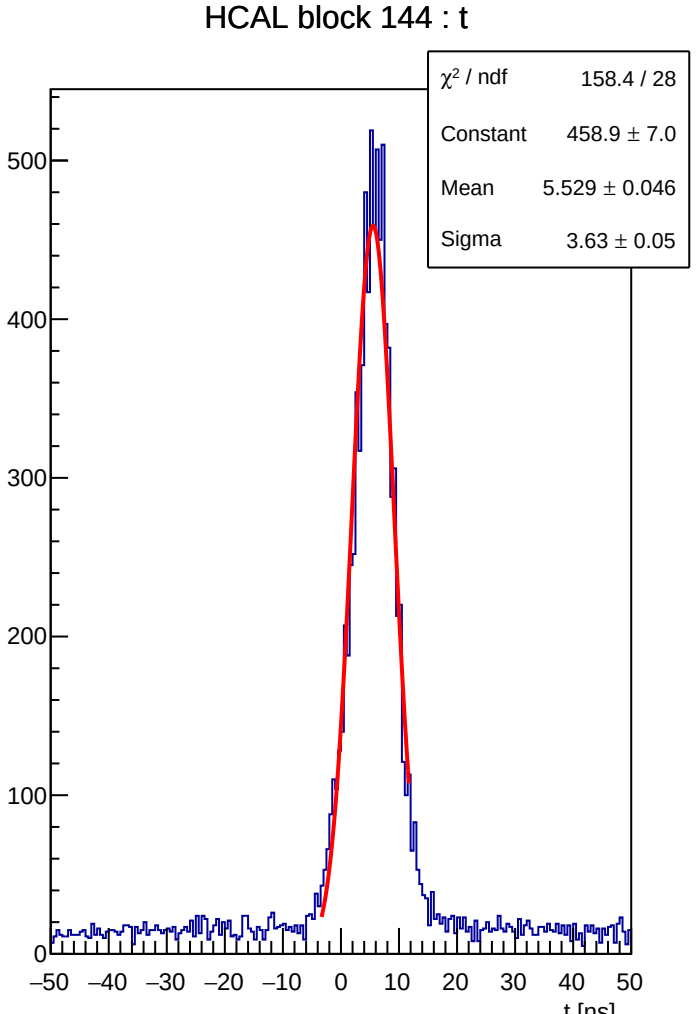

HCAL block 141 : t tw corr
χ² / ndf 24.65 / 18
Constant 686.9 ± 9.5
Mean −0.8244 ± 0.0401
Sigma 3.153 ± 0.048
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

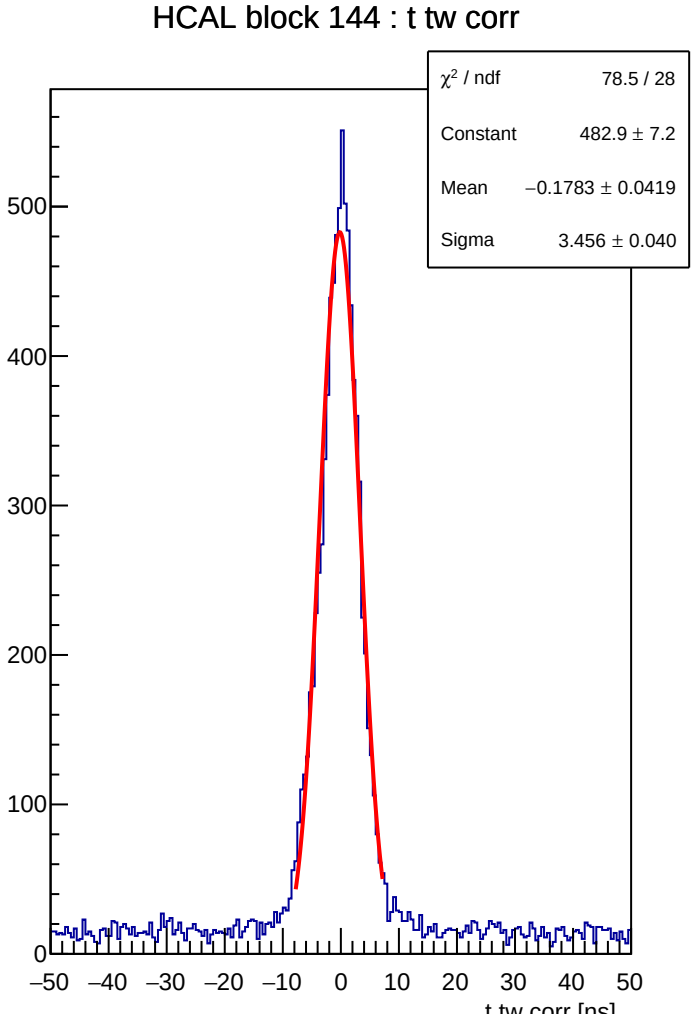

HCAL block 142 : t
χ² / ndf 143 / 16
Constant 664.8 ± 9.5
Mean 5.052 ± 0.052
Sigma 3.314 ± 0.065
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

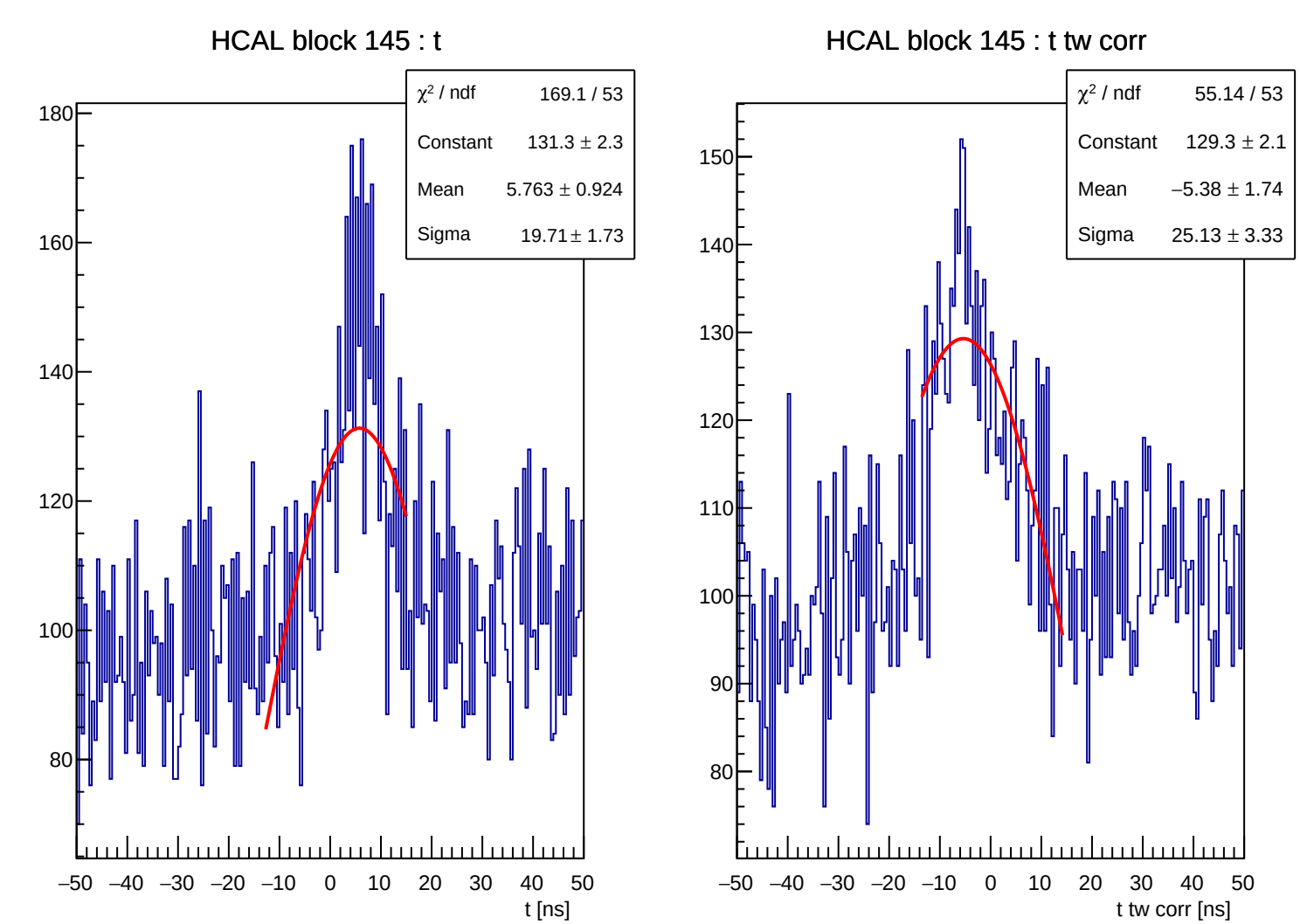

HCAL block 142 : t tw corr
χ² / ndf 32.04 / 16
Constant 712.7 ± 10.1
Mean −0.8915 ± 0.0423
Sigma 3.097 ± 0.054
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

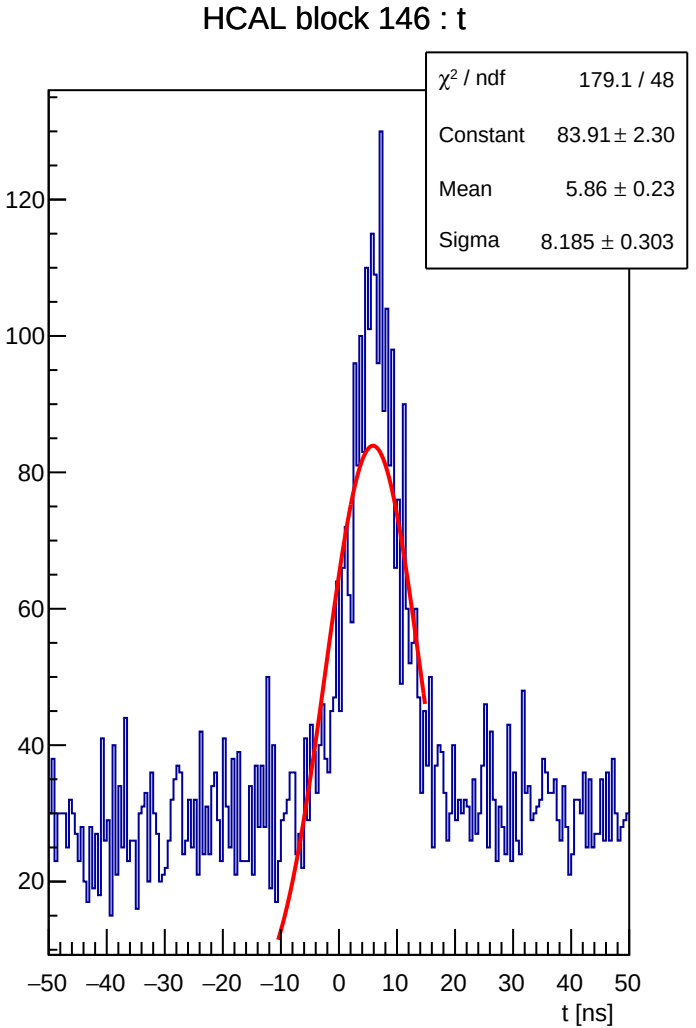

HCAL block 143 : t
χ² / ndf 123.2 / 19
Constant 603.2 ± 8.6
Mean 5.135 ± 0.046
Sigma 3.363 ± 0.053
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

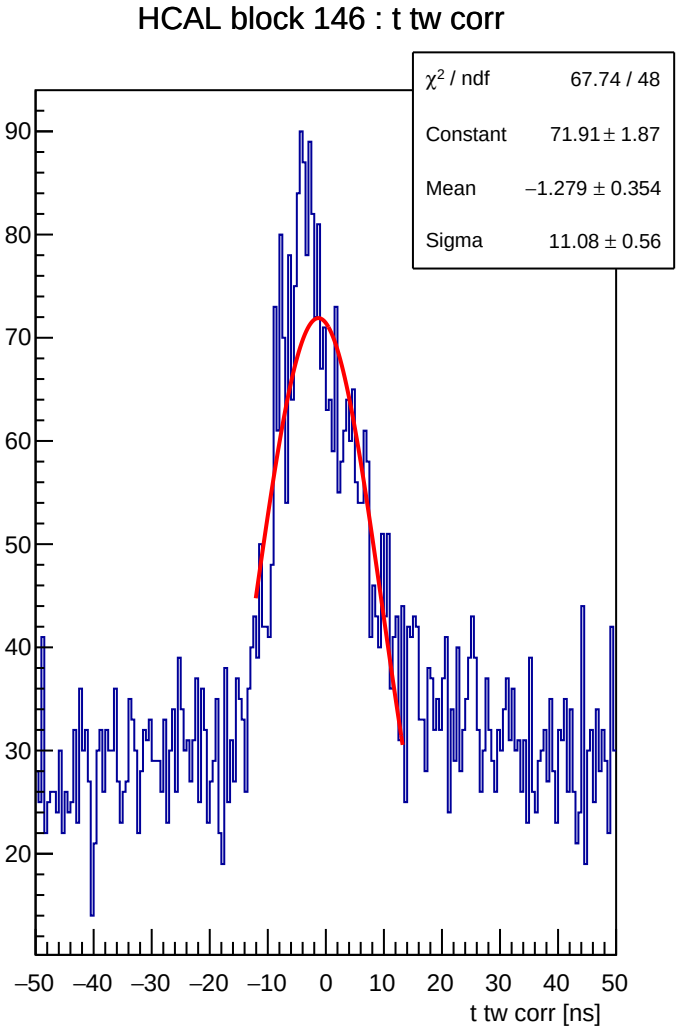

HCAL block 143 : t tw corr
χ² / ndf 21.08 / 19
Constant 646.4 ± 9.0
Mean –1.04 ± 0.04
Sigma 3.117 ± 0.043
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

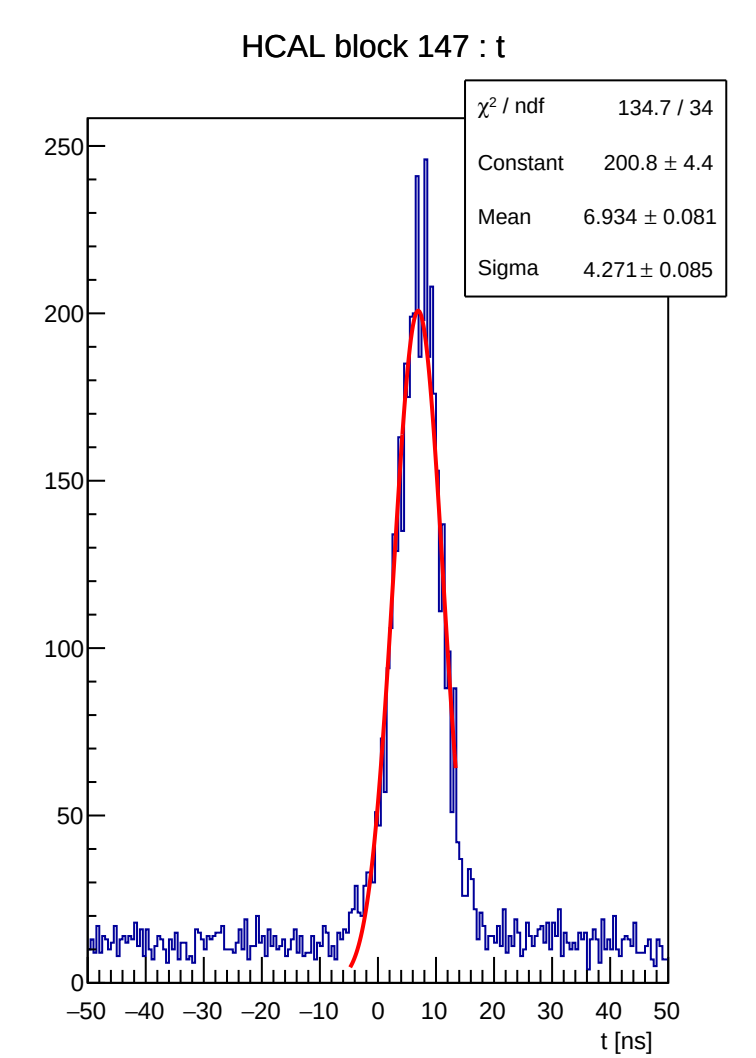

HCAL block 144 : t
χ² / ndf 158.4 / 28
Constant 458.9 ± 7.0
Mean 5.529 ± 0.046
Sigma 3.63 ± 0.05
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

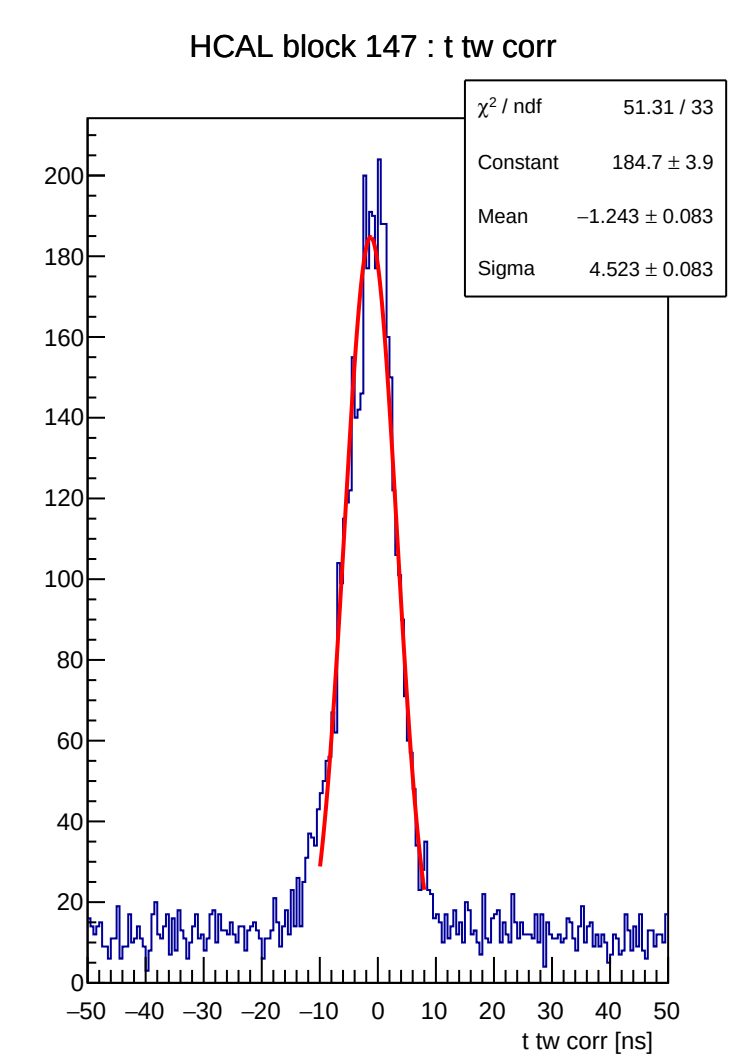

HCAL block 144 : t tw corr
χ² / ndf 78.5 / 28
Constant 482.9 ± 7.2
Mean −0.1783 ± 0.0419
Sigma 3.456 ± 0.040
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

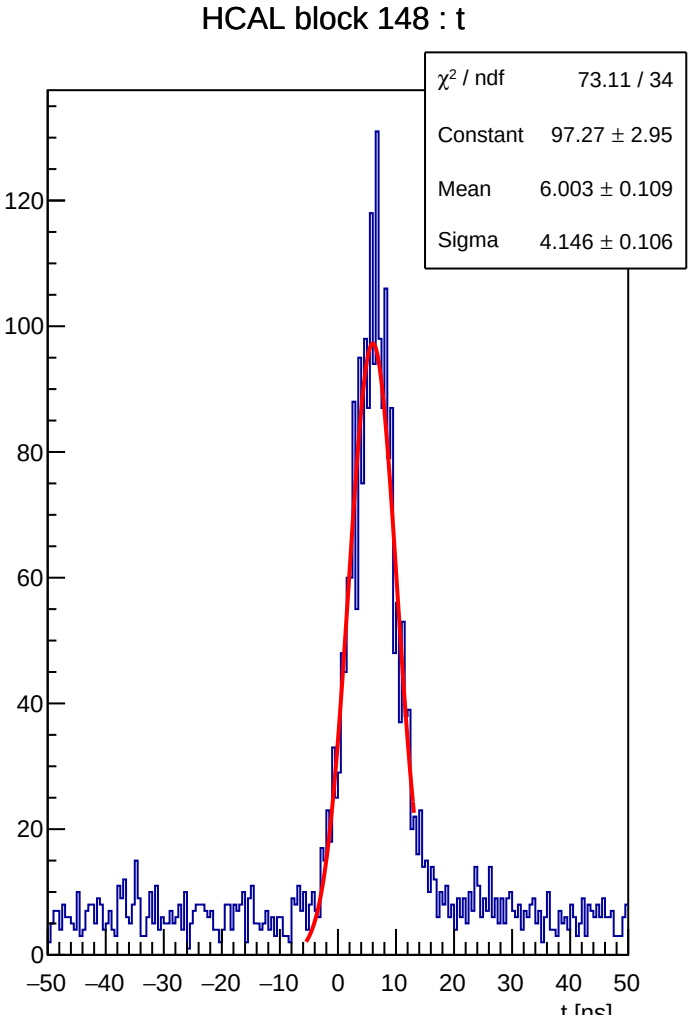

HCAL block 145 : t
χ² / ndf 169.1 / 53
Constant 131.3 ± 2.3
Mean 5.763 ± 0.924
Sigma 19.71 ± 1.73
180
160
140
120
100
80
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]
HCAL block 145 : t tw corr
χ² / ndf 55.14 / 53
Constant 129.3 ± 2.1
Mean –5.38 ± 1.74
Sigma 25.13 ± 3.33
150
140
130
120
110
100
90
80
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

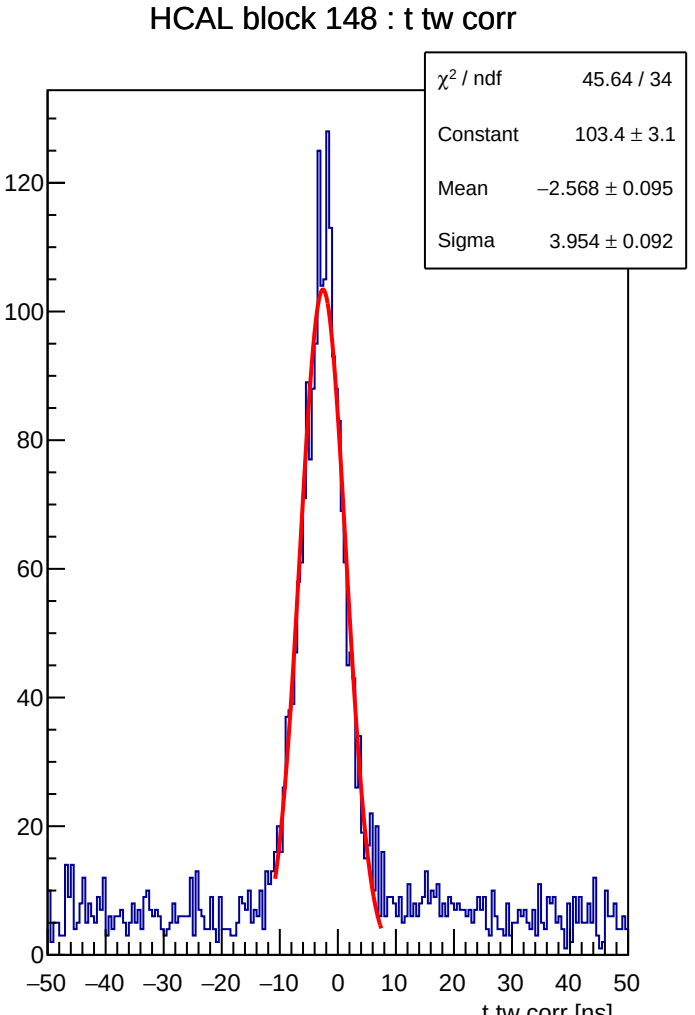

HCAL block 146 : t
χ² / ndf 179.1 / 48
Constant 83.91 ± 2.30
Mean 5.86 ± 0.23
Sigma 8.185 ± 0.303
120
100
80
60
40
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

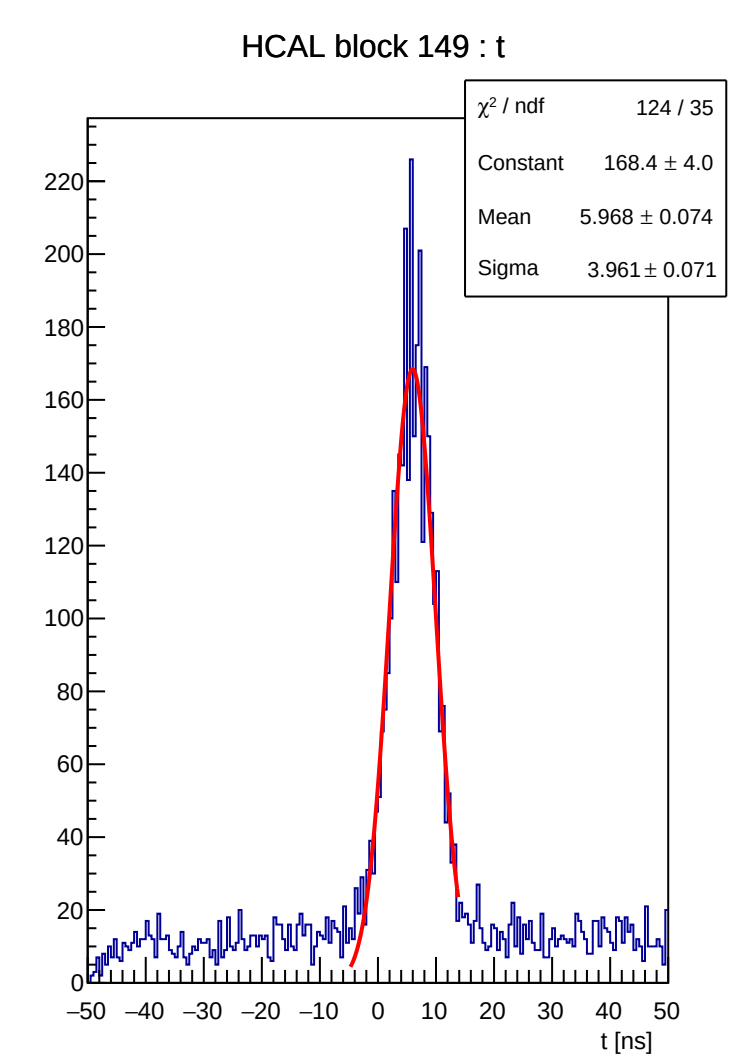

HCAL block 146 : t tw corr
χ² / ndf 67.74 / 48
Constant 71.91 ± 1.87
Mean –1.279 ± 0.354
Sigma 11.08 ± 0.56
90
80
70
60
50
40
30
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

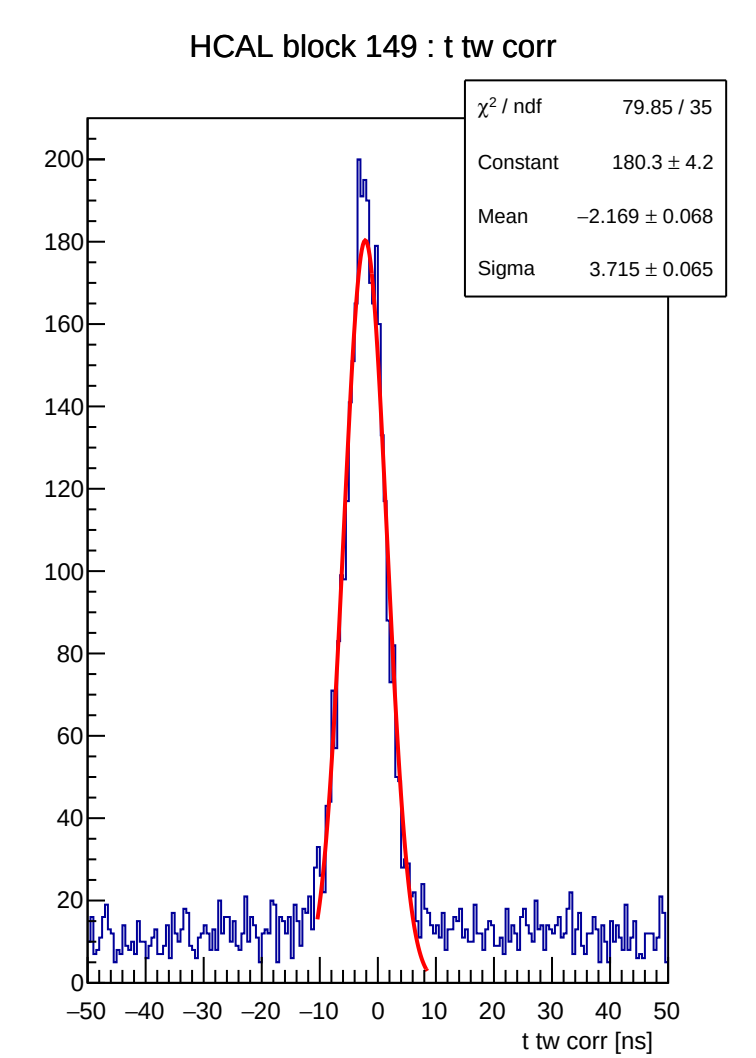

HCAL block 147 : t
χ² / ndf 134.7 / 34
Constant 200.8 ± 4.4
Mean 6.934 ± 0.081
Sigma 4.271 ± 0.085
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

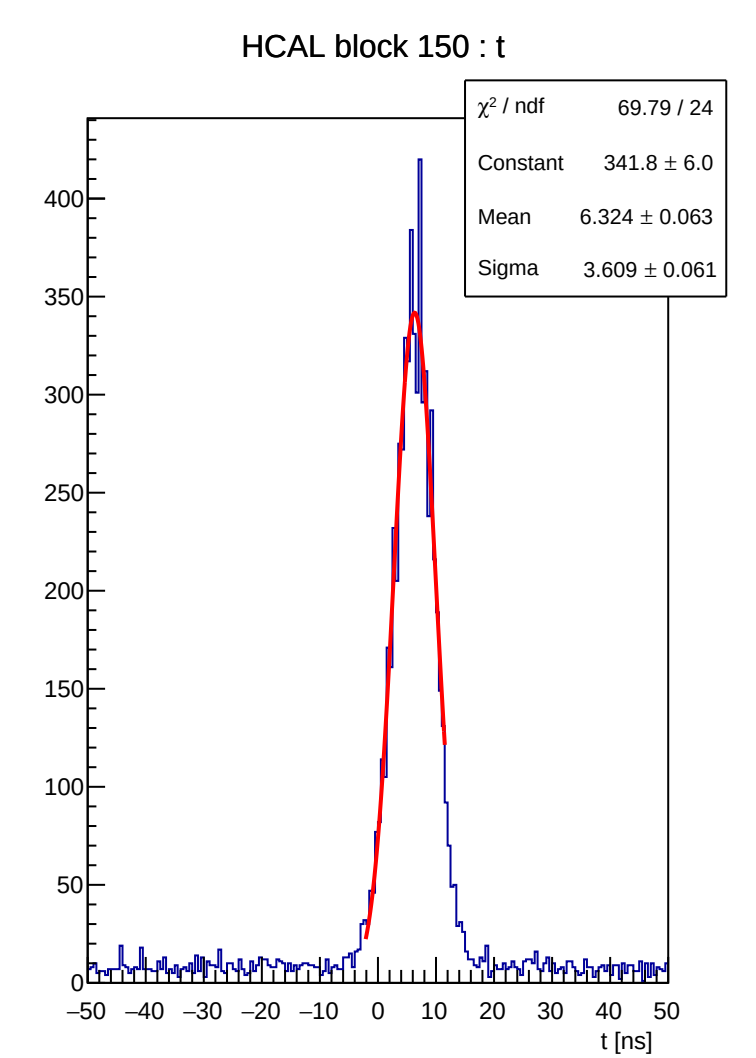

HCAL block 147 : t tw corr
χ² / ndf 51.31 / 33
Constant 184.7 ± 3.9
Mean –1.243 ± 0.083
Sigma 4.523 ± 0.083
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

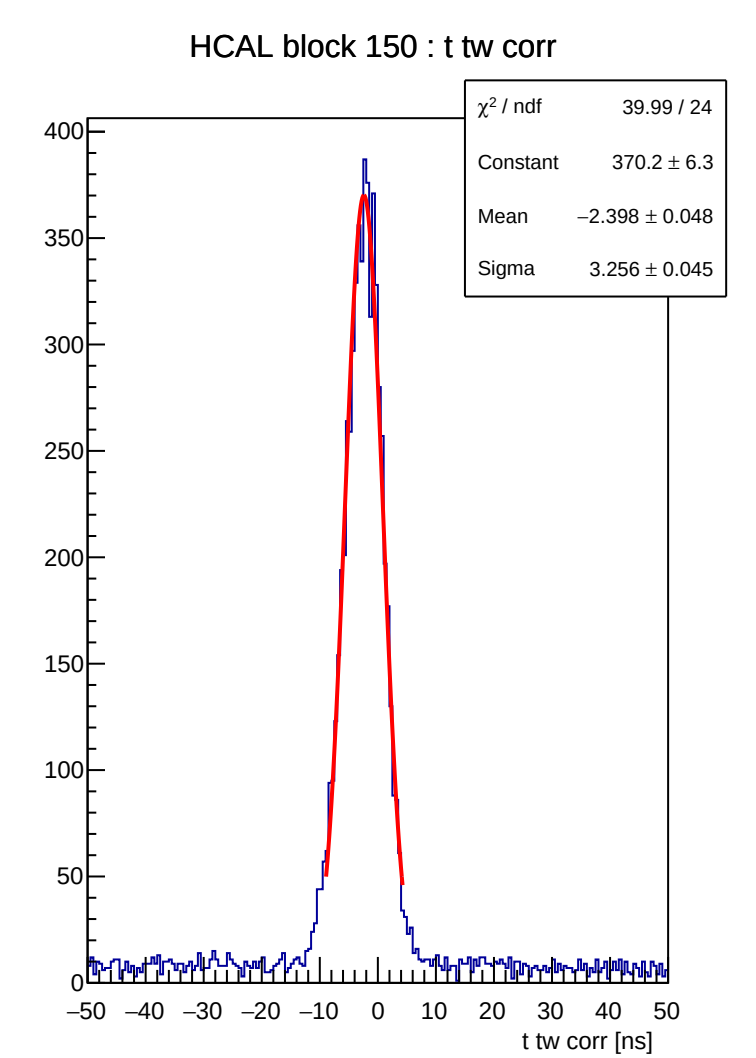

HCAL block 148 : t
χ² / ndf 73.11 / 34
Constant 97.27 ± 2.95
Mean 6.003 ± 0.109
Sigma 4.146 ± 0.106
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

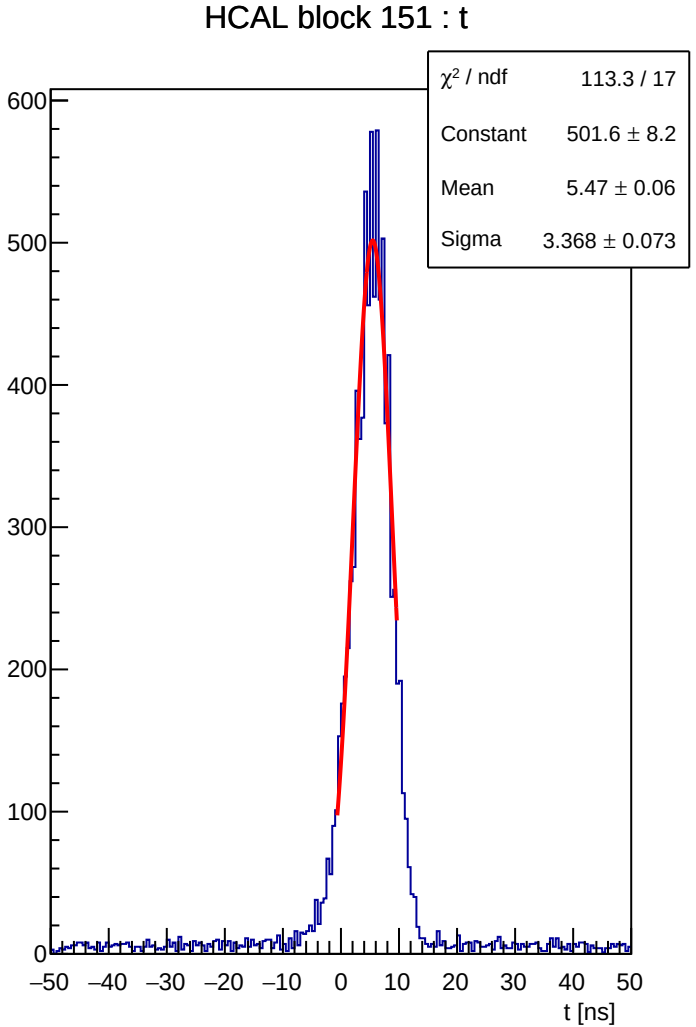

HCAL block 148 : t tw corr
χ² / ndf 45.64 / 34
Constant 103.4 ± 3.1
Mean –2.568 ± 0.095
Sigma 3.954 ± 0.092
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

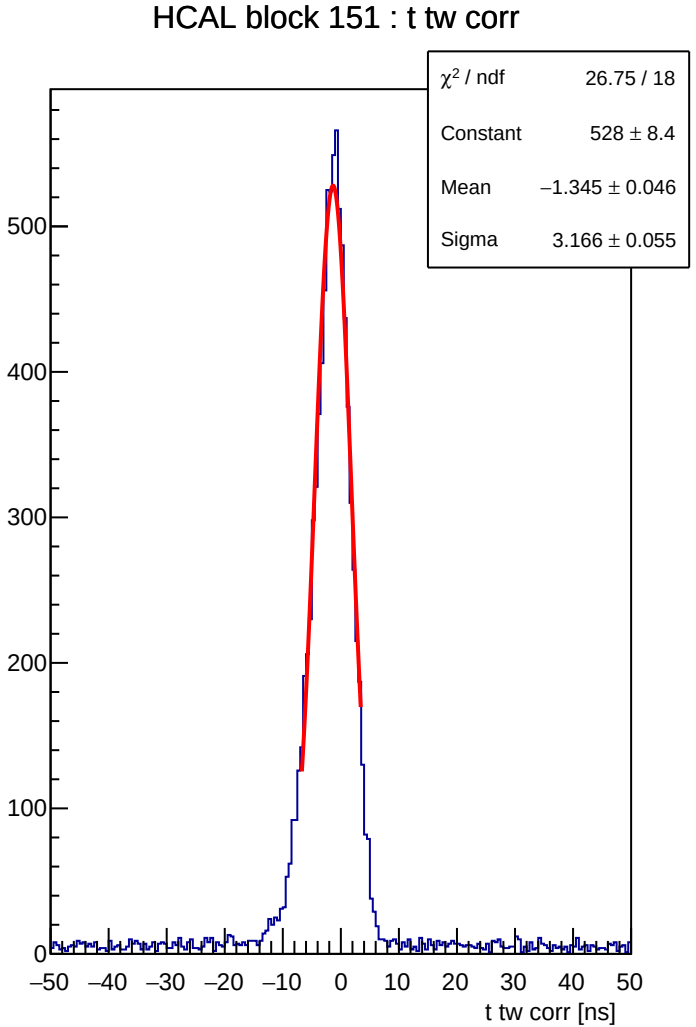

HCAL block 149 : t
χ² / ndf 124 / 35
Constant 168.4 ± 4.0
Mean 5.968 ± 0.074
Sigma 3.961 ± 0.071
t [ns]

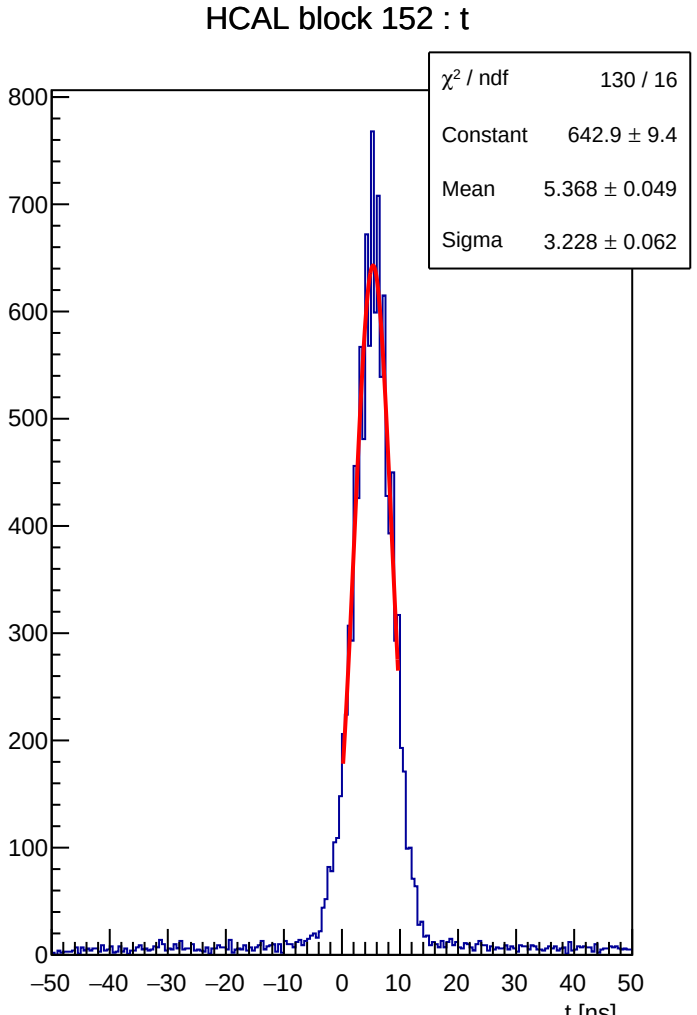

HCAL block 149 : t tw corr
χ² / ndf 79.85 / 35
Constant 180.3 ± 4.2
Mean −2.169 ± 0.068
Sigma 3.715 ± 0.065
t tw corr [ns]

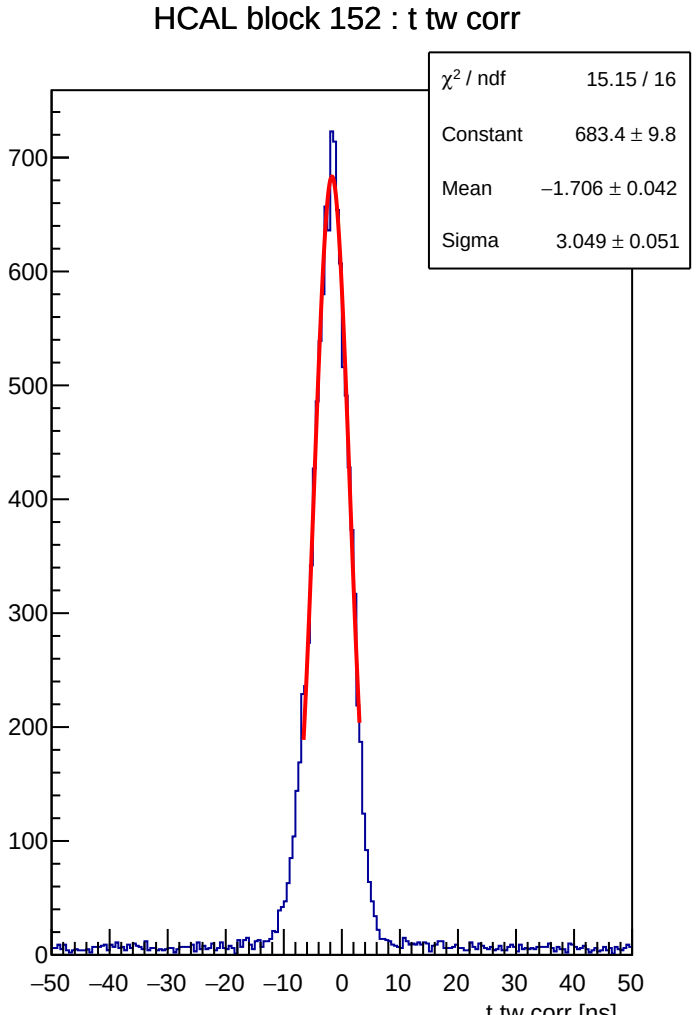

HCAL block 150 : t
χ² / ndf 69.79 / 24
Constant 341.8 ± 6.0
Mean 6.324 ± 0.063
Sigma 3.609 ± 0.061
t [ns]

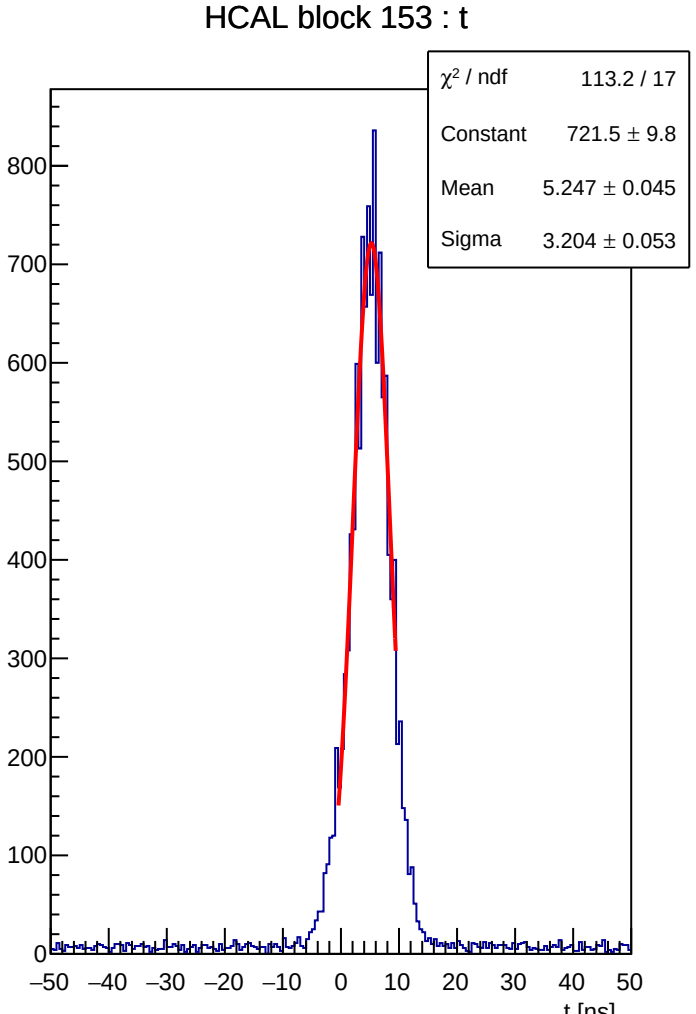

HCAL block 150 : t tw corr
χ² / ndf 39.99 / 24
Constant 370.2 ± 6.3
Mean −2.398 ± 0.048
Sigma 3.256 ± 0.045
t tw corr [ns]

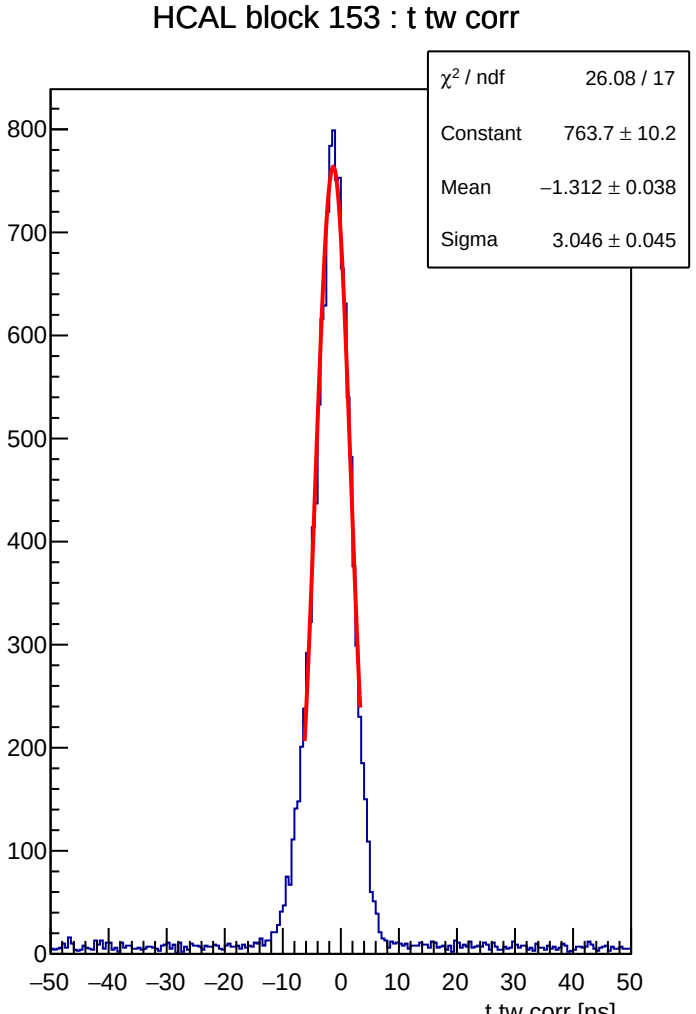

HCAL block 151 : t
χ² / ndf 113.3 / 17
Constant 501.6 ± 8.2
Mean 5.47 ± 0.06
Sigma 3.368 ± 0.073
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

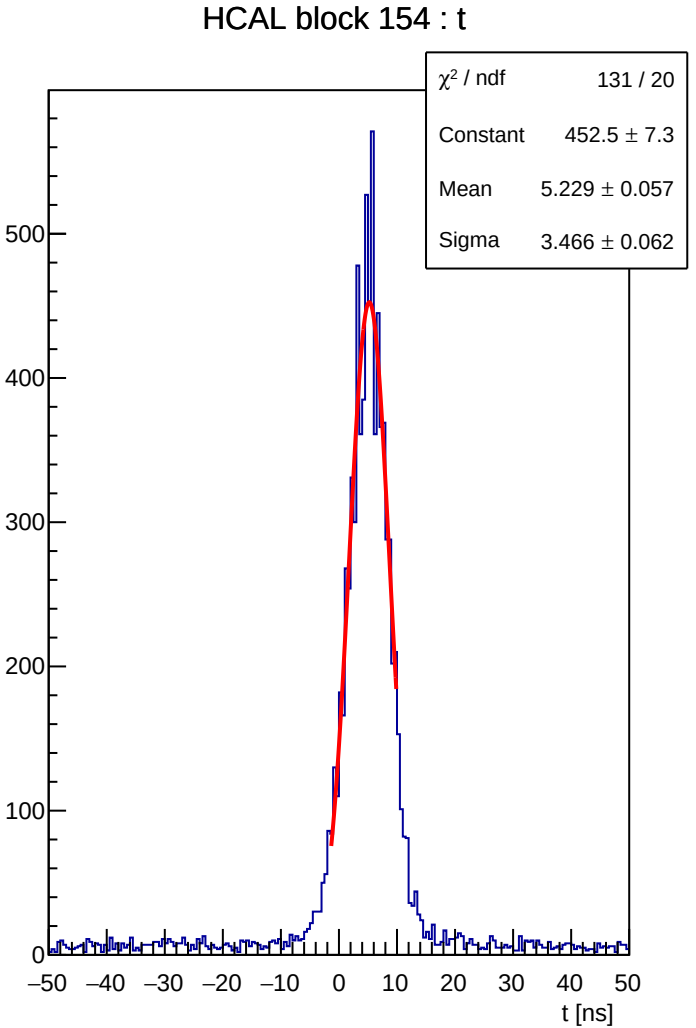

HCAL block 151 : t tw corr
χ² / ndf 26.75 / 18
Constant 528 ± 8.4
Mean –1.345 ± 0.046
Sigma 3.166 ± 0.055
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

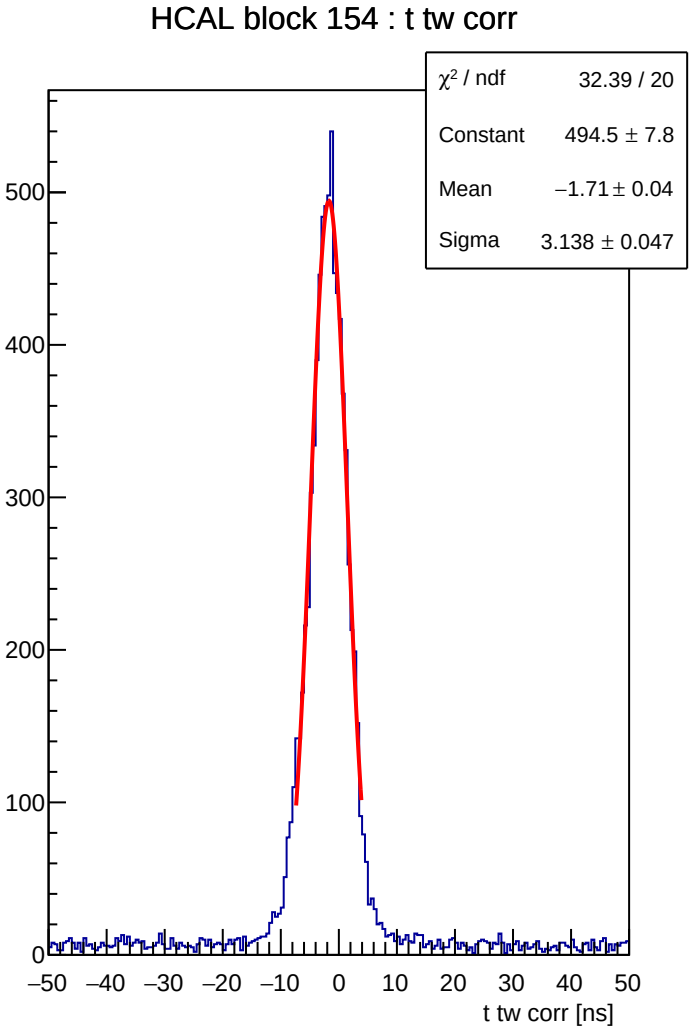

HCAL block 152 : t
χ² / ndf 130 / 16
Constant 642.9 ± 9.4
Mean 5.368 ± 0.049
Sigma 3.228 ± 0.062
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

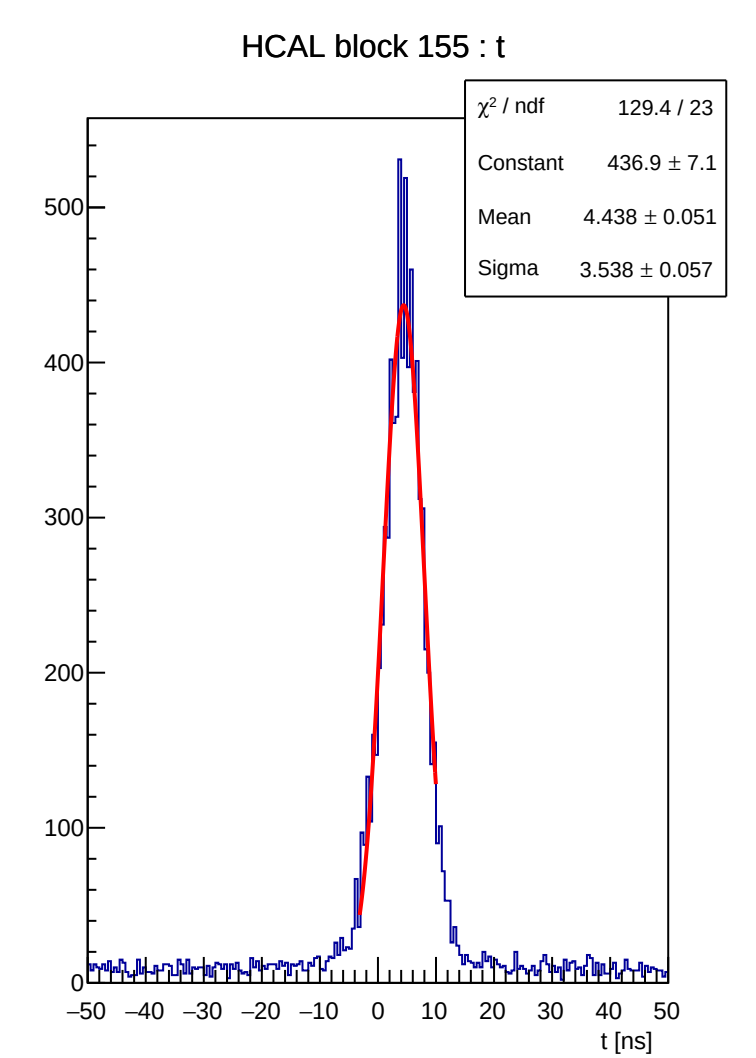

HCAL block 152 : t tw corr
χ² / ndf 15.15 / 16
Constant 683.4 ± 9.8
Mean –1.706 ± 0.042
Sigma 3.049 ± 0.051
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

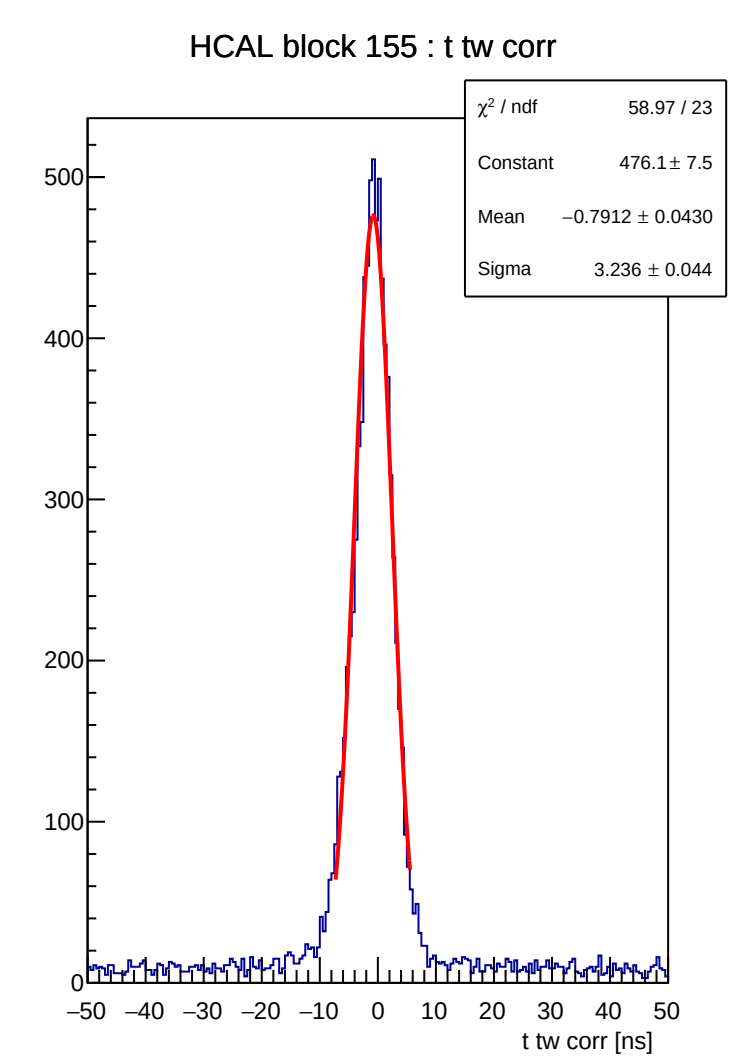

HCAL block 153 : t
χ² / ndf 113.2 / 17
Constant 721.5 ± 9.8
Mean 5.247 ± 0.045
Sigma 3.204 ± 0.053
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

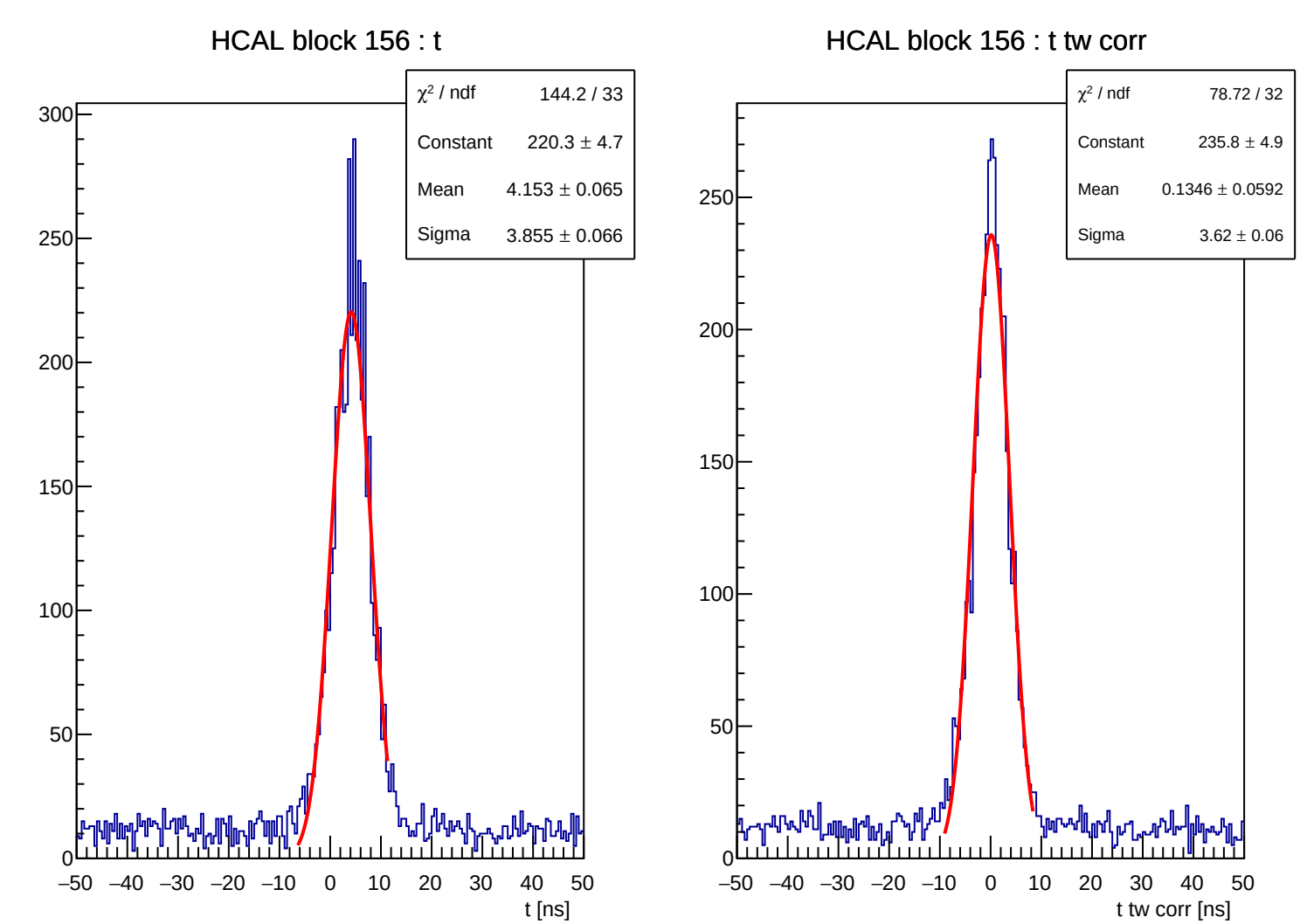

HCAL block 153 : t tw corr
χ² / ndf 26.08 / 17
Constant 763.7 ± 10.2
Mean –1.312 ± 0.038
Sigma 3.046 ± 0.045
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

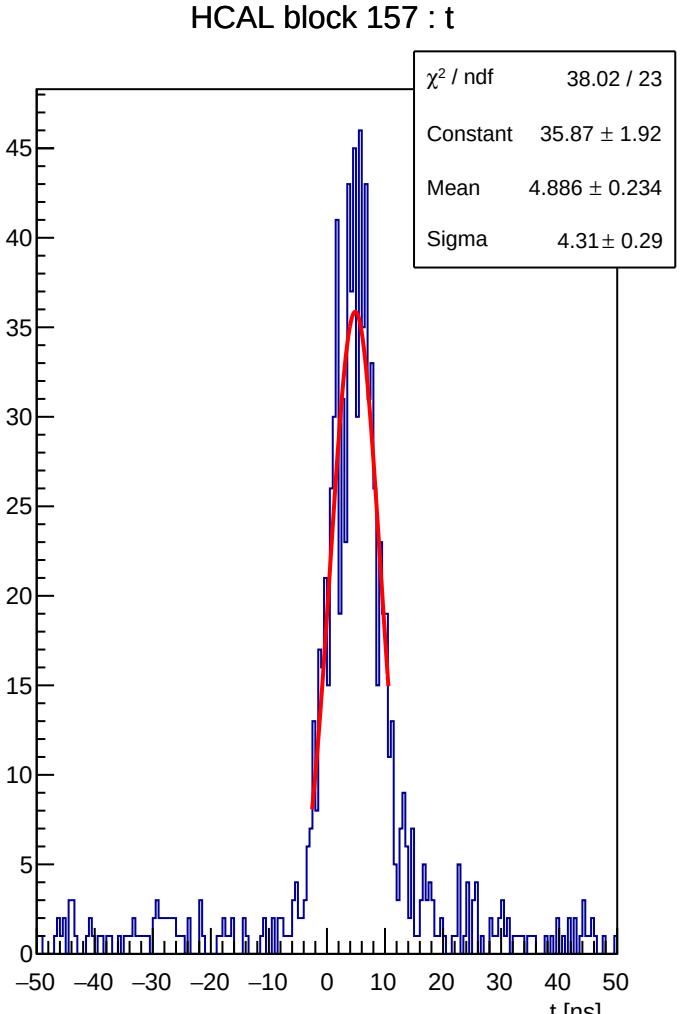

HCAL block 154 : t
χ² / ndf 131 / 20
Constant 452.5 ± 7.3
Mean 5.229 ± 0.057
Sigma 3.466 ± 0.062
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

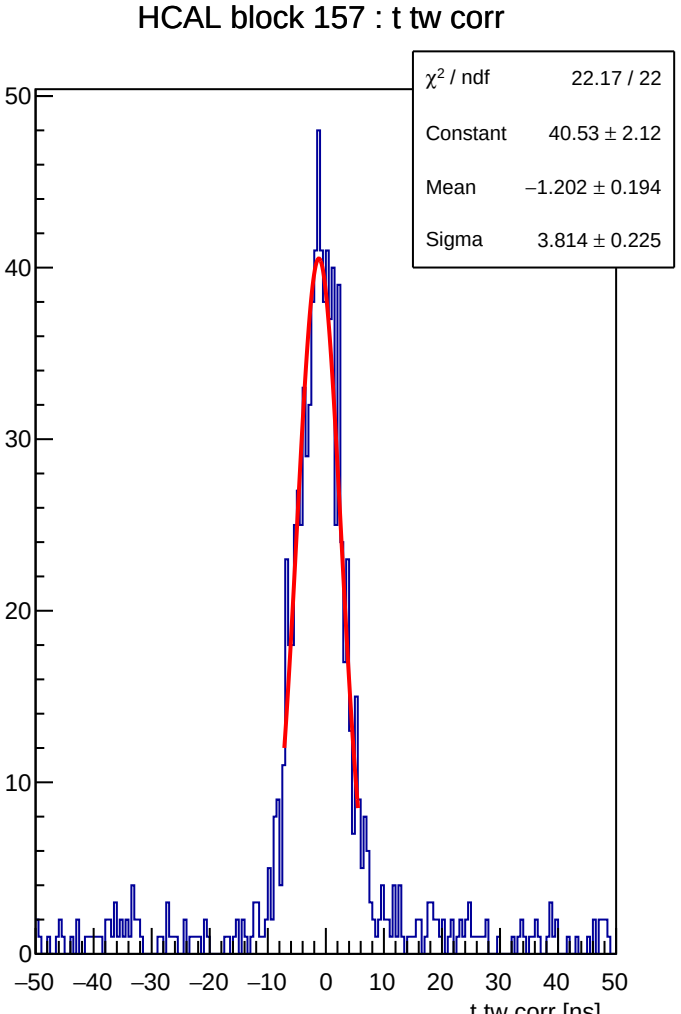

HCAL block 154 : t tw corr
χ² / ndf 32.39 / 20
Constant 494.5 ± 7.8
Mean –1.71 ± 0.04
Sigma 3.138 ± 0.047
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

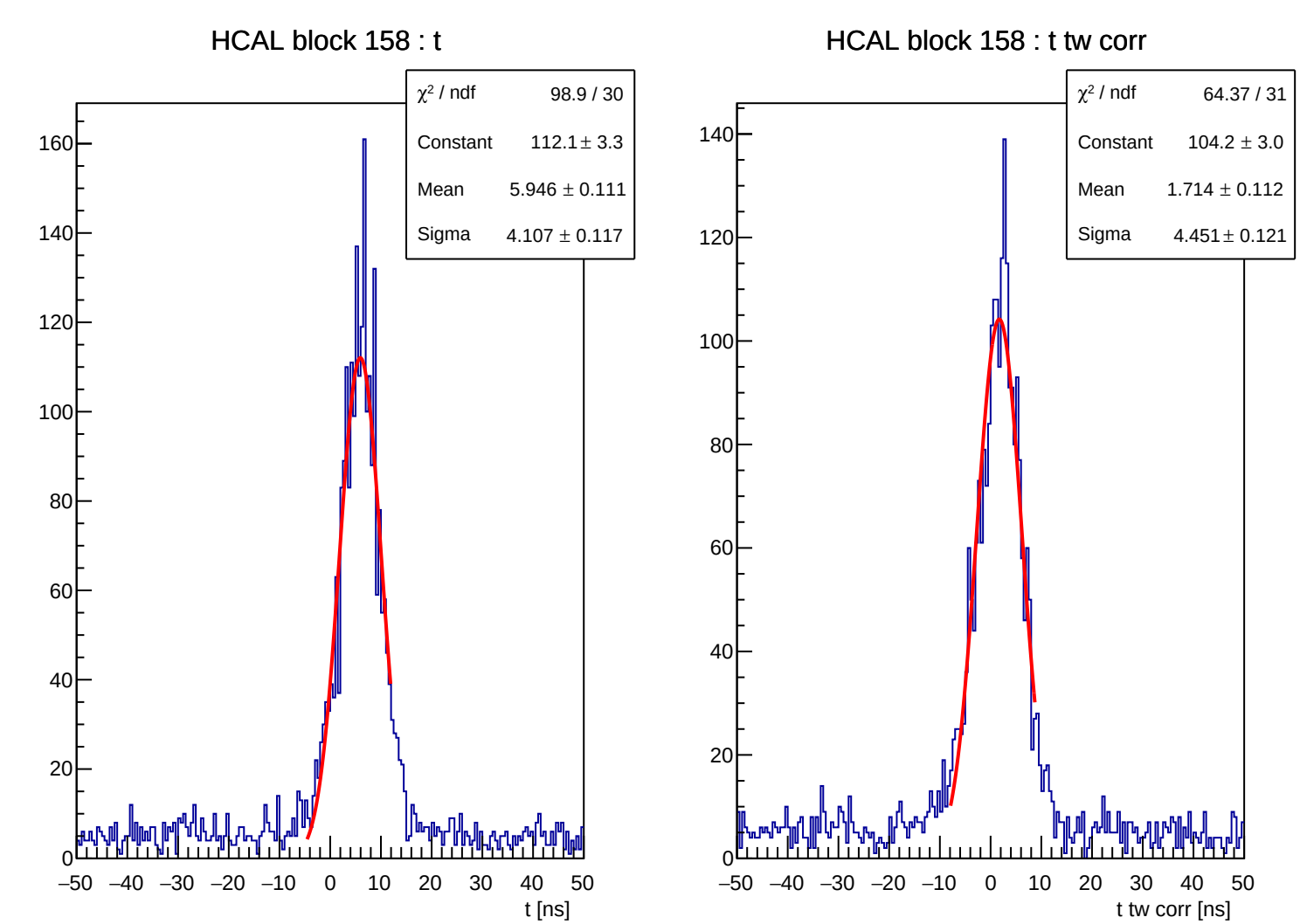

HCAL block 155 : t
χ² / ndf 129.4 / 23
Constant 436.9 ± 7.1
Mean 4.438 ± 0.051
Sigma 3.538 ± 0.057
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

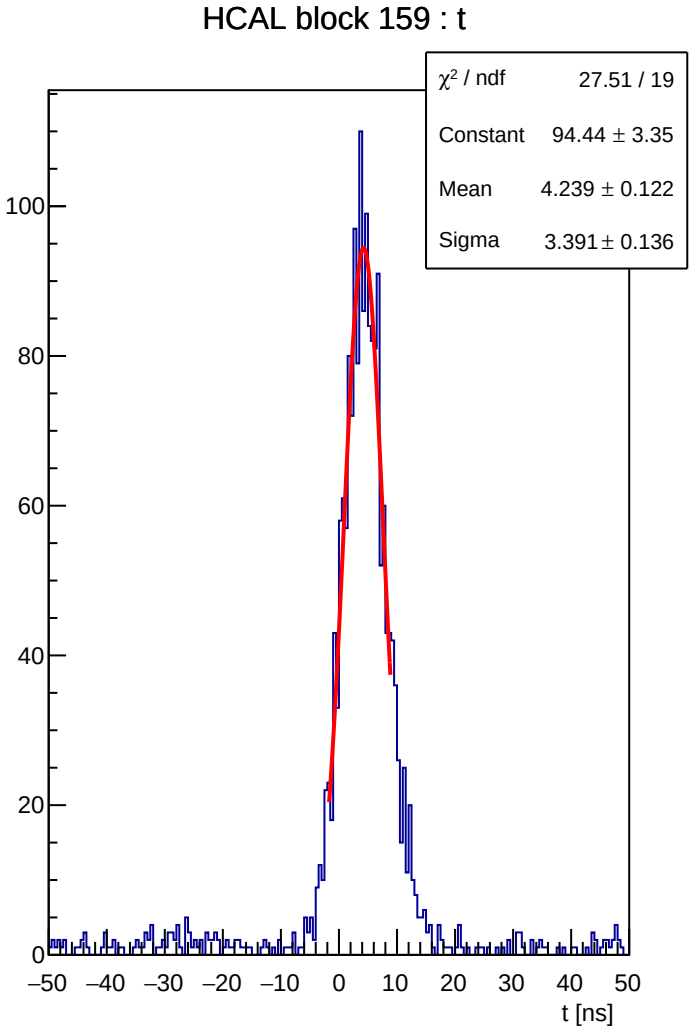

HCAL block 155 : t tw corr
χ² / ndf 58.97 / 23
Constant 476.1 ± 7.5
Mean −0.7912 ± 0.0430
Sigma 3.236 ± 0.044
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

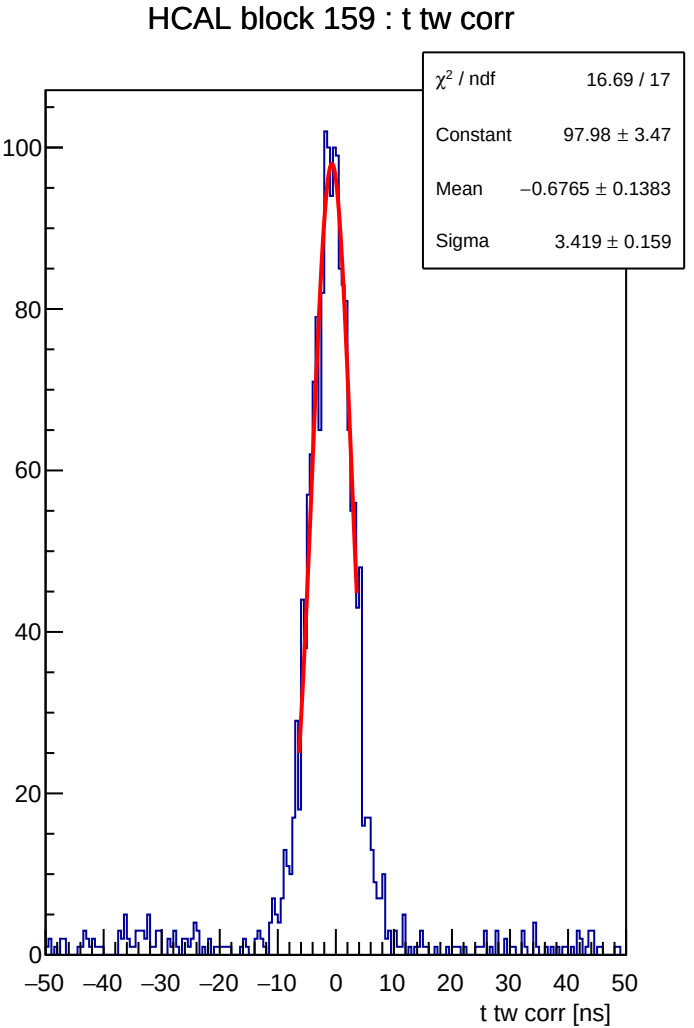

HCAL block 156 : t
χ² / ndf 144.2 / 33
Constant 220.3 ± 4.7
Mean 4.153 ± 0.065
Sigma 3.855 ± 0.066
t [ns]
HCAL block 156 : t tw corr
χ² / ndf 78.72 / 32
Constant 235.8 ± 4.9
Mean 0.1346 ± 0.0592
Sigma 3.62 ± 0.06
t tw corr [ns]

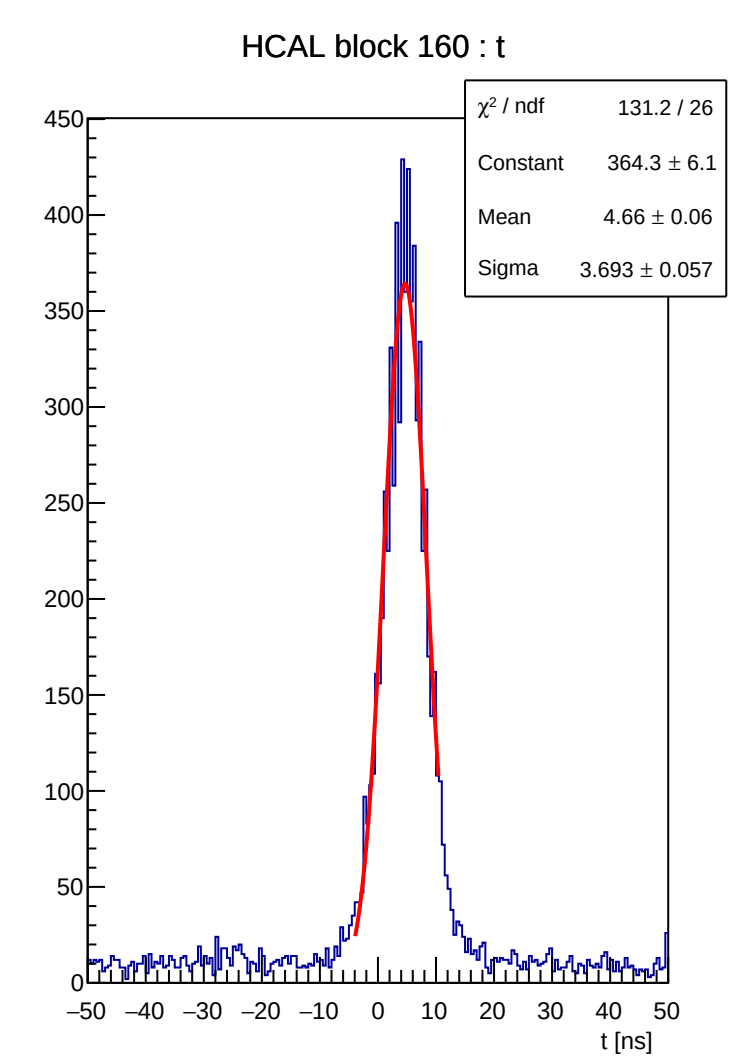

HCAL block 157 : t
χ² / ndf 38.02 / 23
Constant 35.87 ± 1.92
Mean 4.886 ± 0.234
Sigma 4.31 ± 0.29
t [ns]

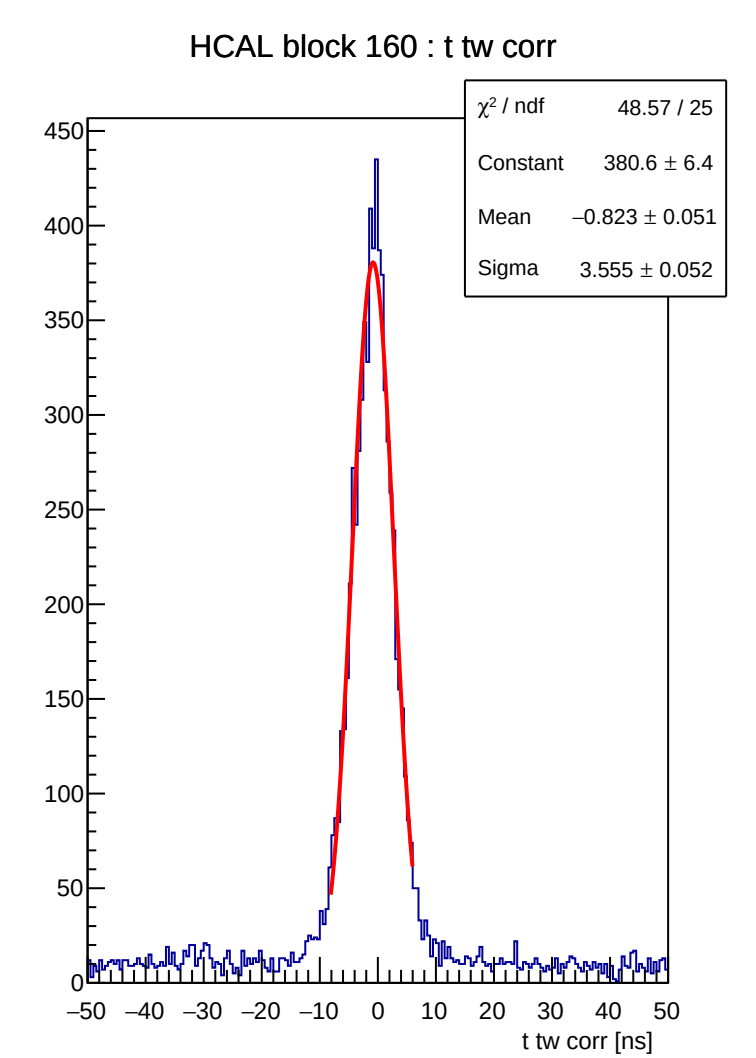

HCAL block 157 : t tw corr
χ² / ndf 22.17 / 22
Constant 40.53 ± 2.12
Mean −1.202 ± 0.194
Sigma 3.814 ± 0.225
t tw corr [ns]

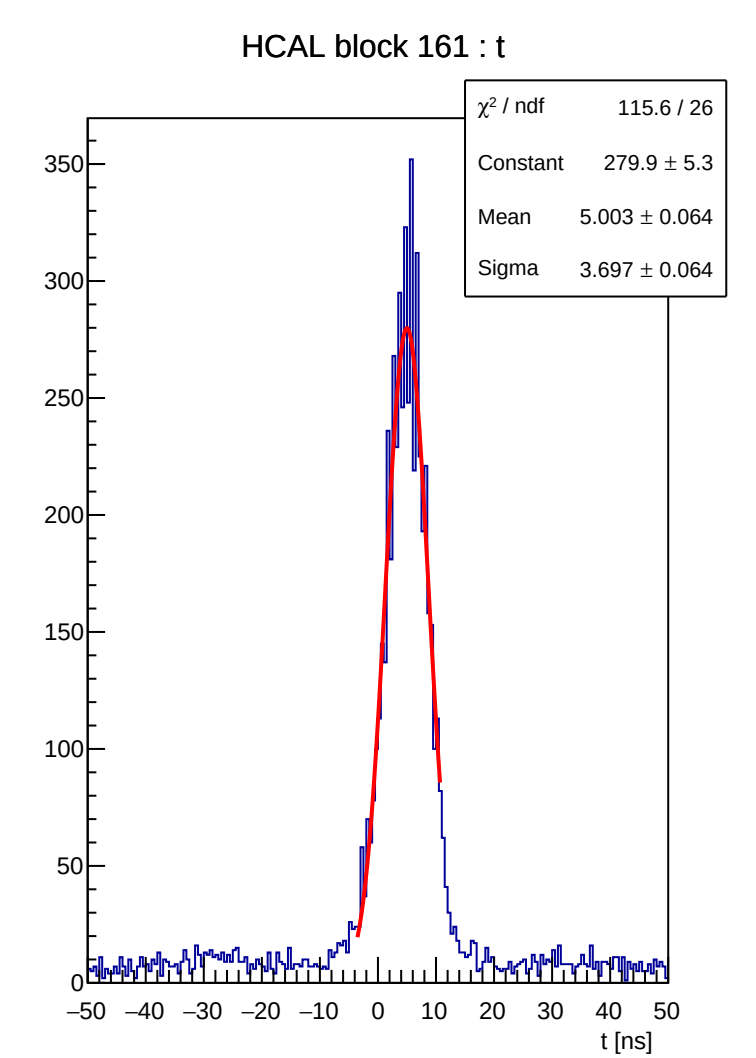

HCAL block 158 : t
χ² / ndf 98.9 / 30
Constant 112.1 ± 3.3
Mean 5.946 ± 0.111
Sigma 4.107 ± 0.117
t [ns]
HCAL block 158 : t tw corr
χ² / ndf 64.37 / 31
Constant 104.2 ± 3.0
Mean 1.714 ± 0.112
Sigma 4.451 ± 0.121
t tw corr [ns]

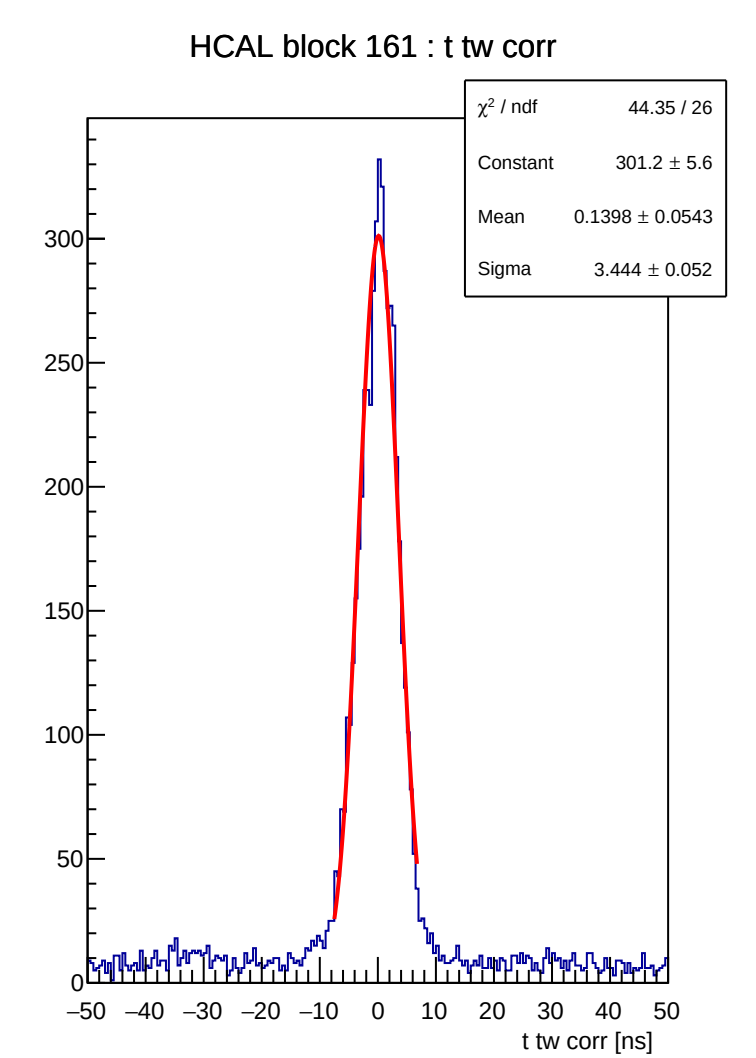

HCAL block 159 : t
χ² / ndf 27.51 / 19
Constant 94.44 ± 3.35
Mean 4.239 ± 0.122
Sigma 3.391 ± 0.136
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

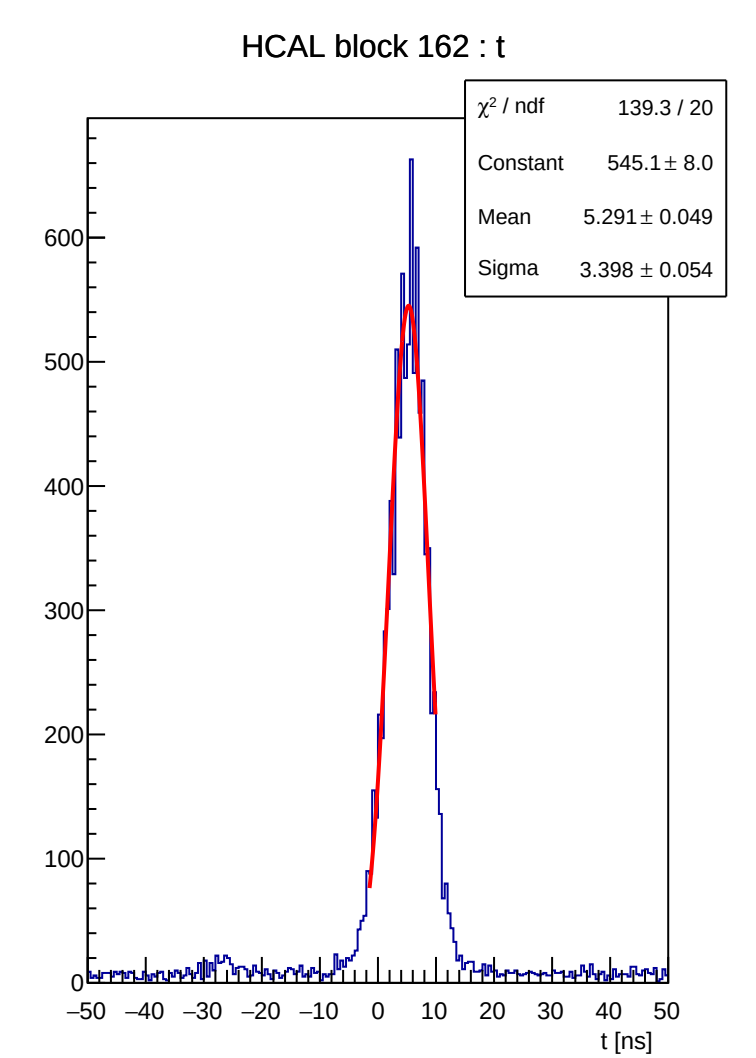

HCAL block 159 : t tw corr
χ² / ndf 16.69 / 17
Constant 97.98 ± 3.47
Mean −0.6765 ± 0.1383
Sigma 3.419 ± 0.159
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

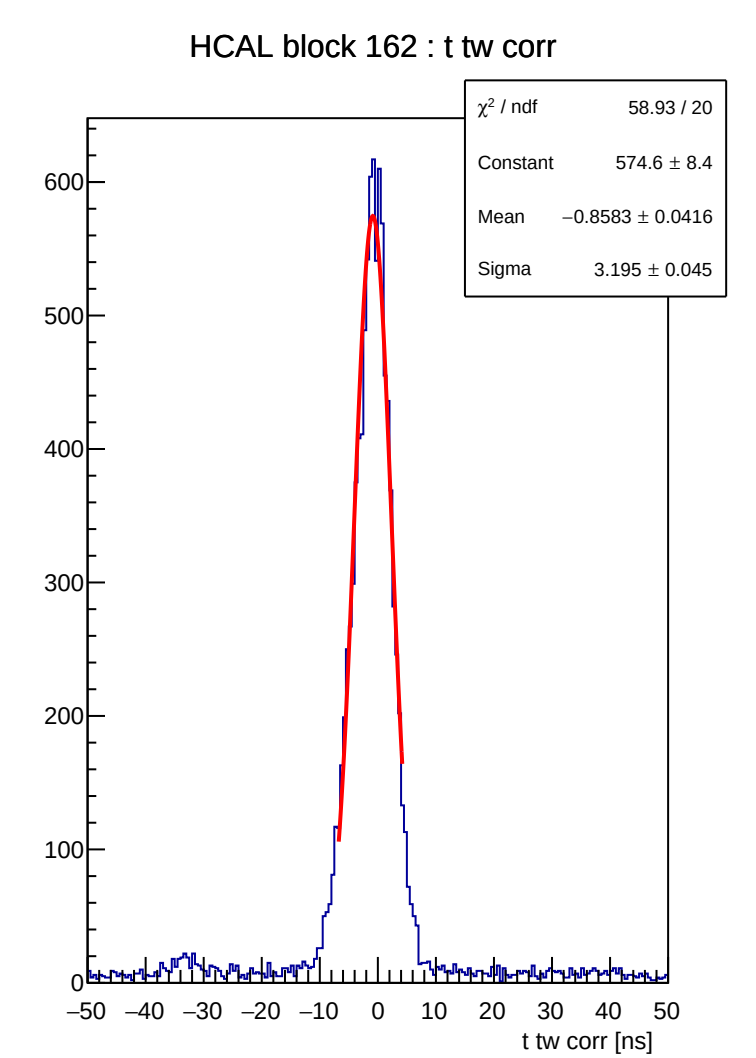

HCAL block 160 : t
χ² / ndf 131.2 / 26
Constant 364.3 ± 6.1
Mean 4.66 ± 0.06
Sigma 3.693 ± 0.057
t [ns]

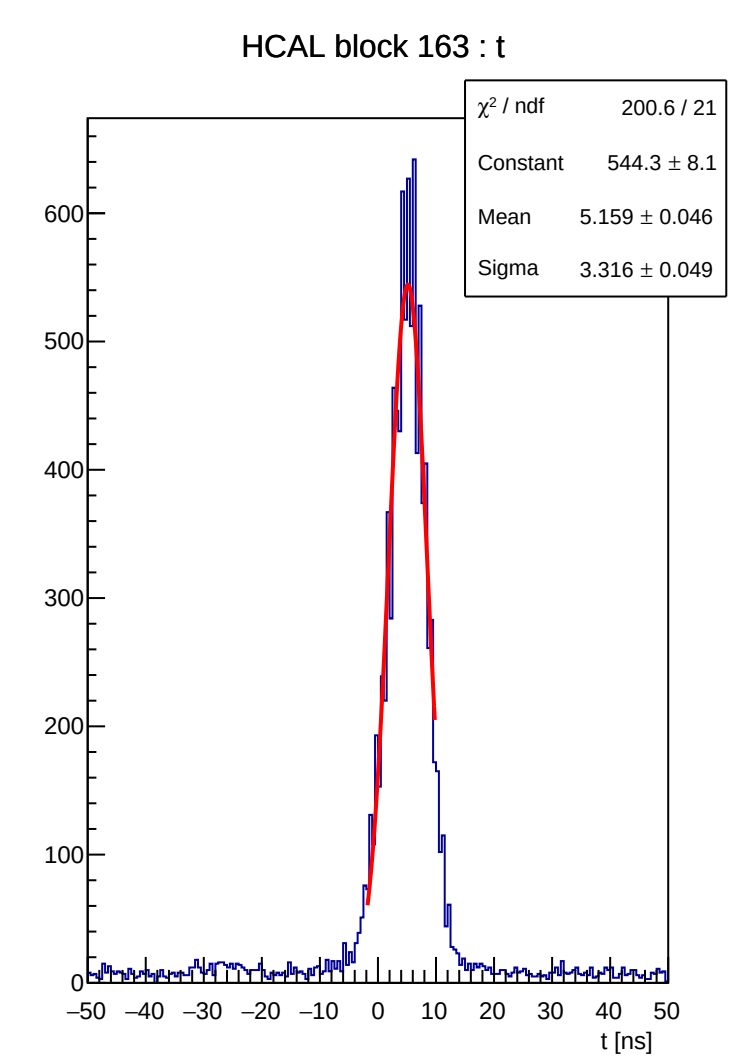

HCAL block 160 : t tw corr
χ² / ndf 48.57 / 25
Constant 380.6 ± 6.4
Mean –0.823 ± 0.051
Sigma 3.555 ± 0.052
t tw corr [ns]

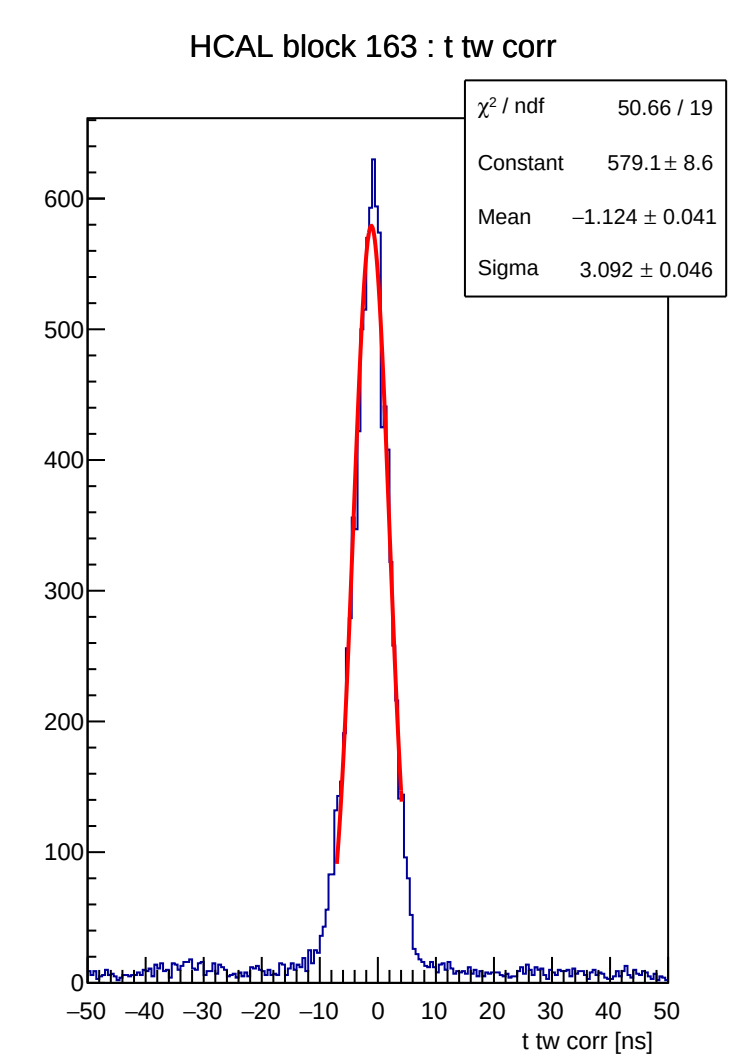

HCAL block 161 : t
χ² / ndf 115.6 / 26
Constant 279.9 ± 5.3
Mean 5.003 ± 0.064
Sigma 3.697 ± 0.064
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

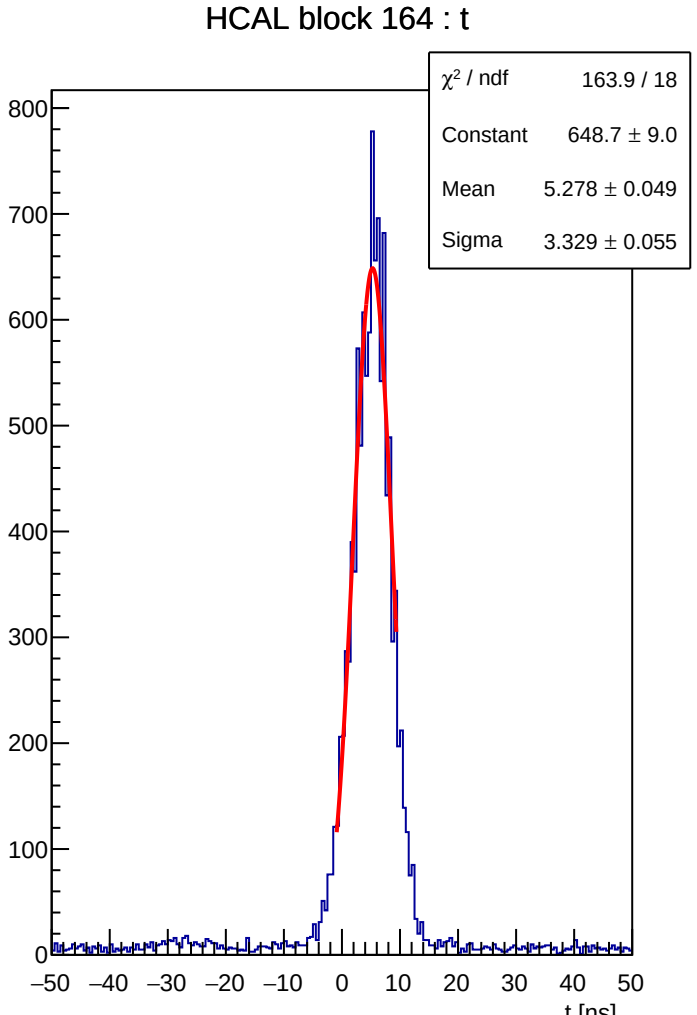

HCAL block 161 : t tw corr
χ² / ndf 44.35 / 26
Constant 301.2 ± 5.6
Mean 0.1398 ± 0.0543
Sigma 3.444 ± 0.052
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

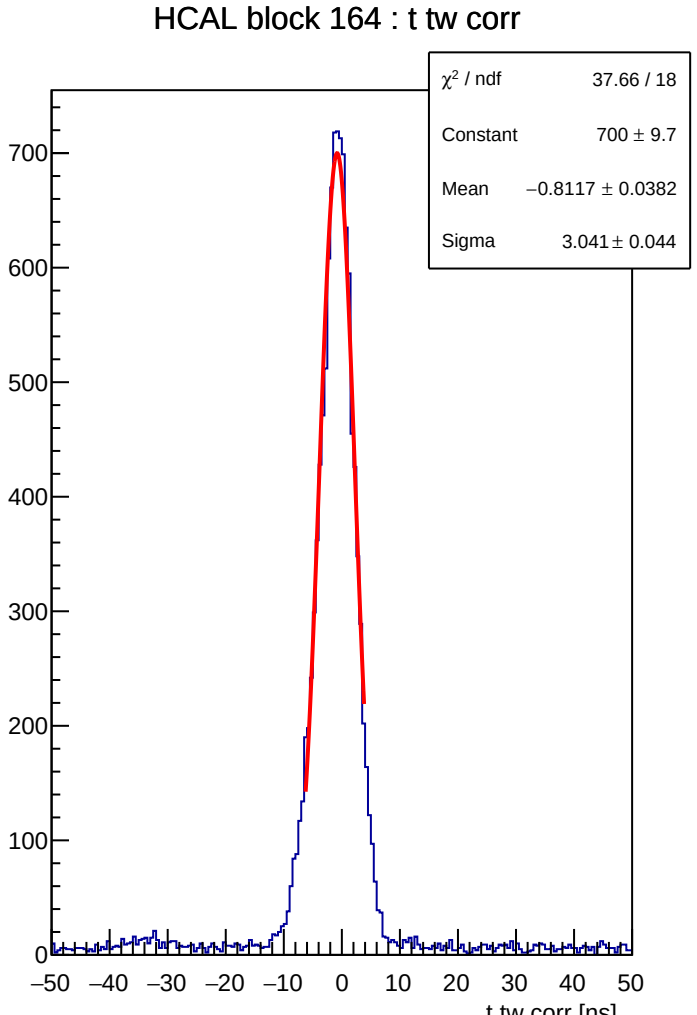

HCAL block 162 : t
χ² / ndf 139.3 / 20
Constant 545.1 ± 8.0
Mean 5.291 ± 0.049
Sigma 3.398 ± 0.054
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

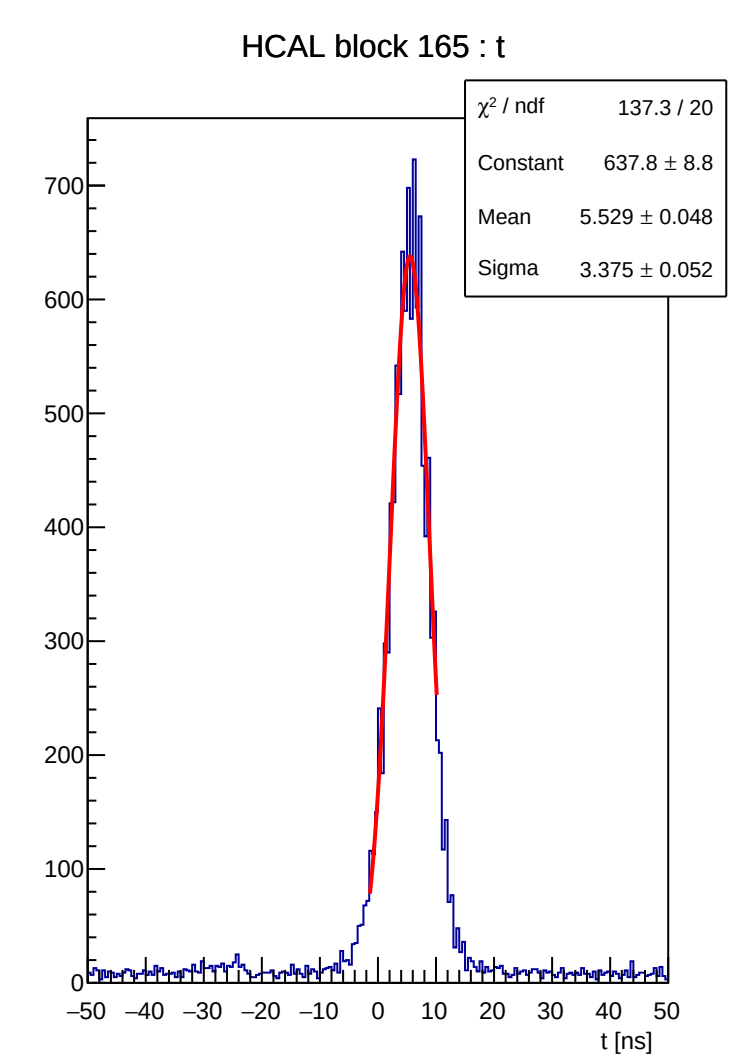

HCAL block 162 : t tw corr
χ² / ndf 58.93 / 20
Constant 574.6 ± 8.4
Mean −0.8583 ± 0.0416
Sigma 3.195 ± 0.045
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

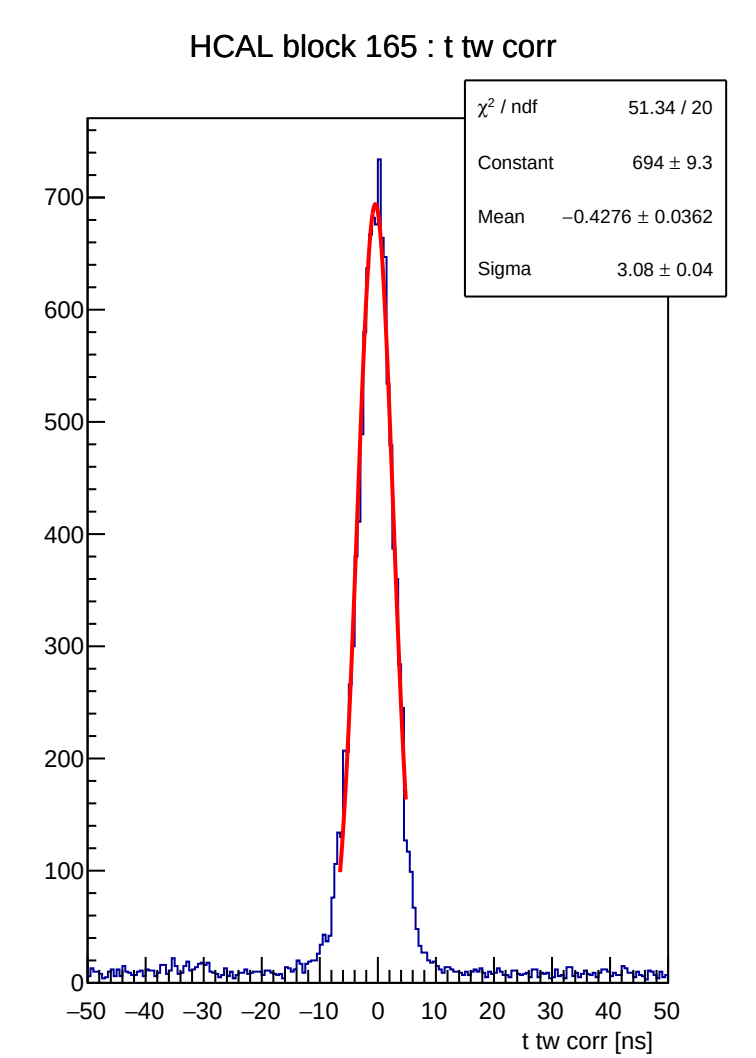

HCAL block 163 : t
χ² / ndf 200.6 / 21
Constant 544.3 ± 8.1
Mean 5.159 ± 0.046
Sigma 3.316 ± 0.049
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

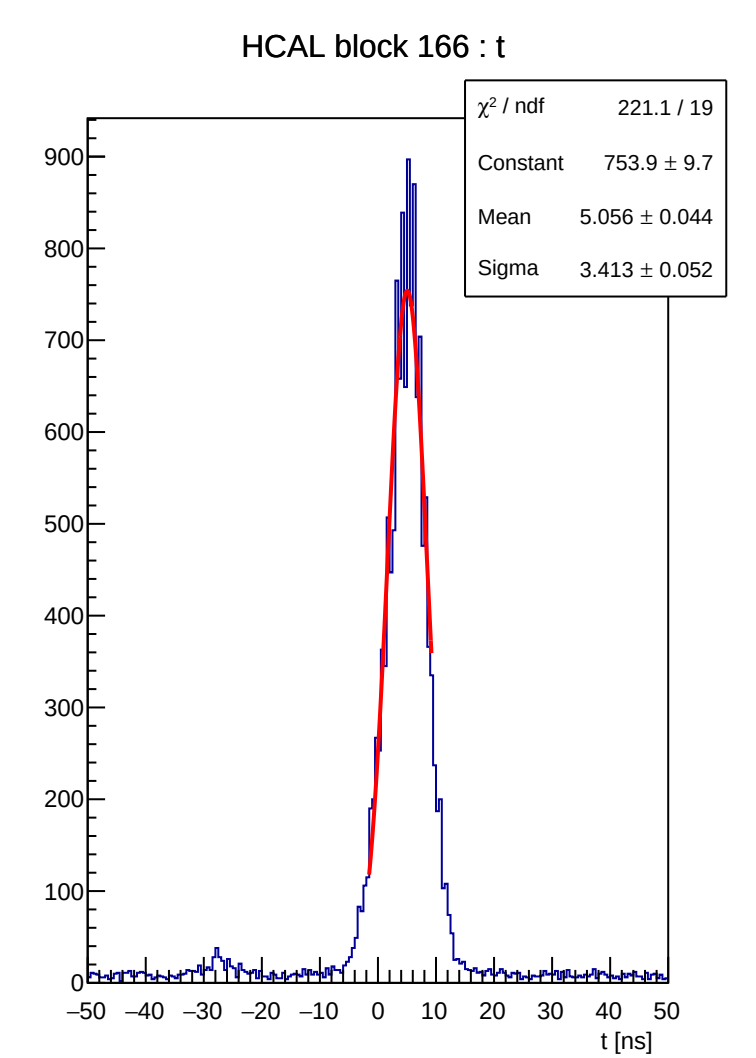

HCAL block 163 : t tw corr
χ² / ndf 50.66 / 19
Constant 579.1 ± 8.6
Mean –1.124 ± 0.041
Sigma 3.092 ± 0.046
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

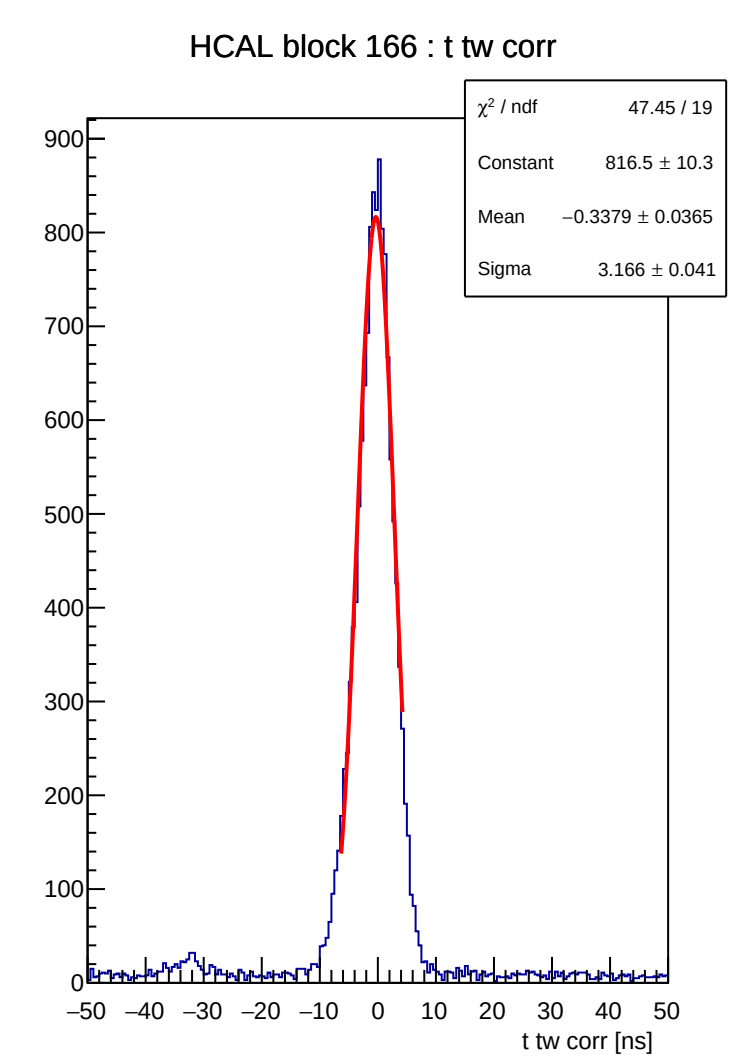

HCAL block 164 : t
χ² / ndf 163.9 / 18
Constant 648.7 ± 9.0
Mean 5.278 ± 0.049
Sigma 3.329 ± 0.055
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

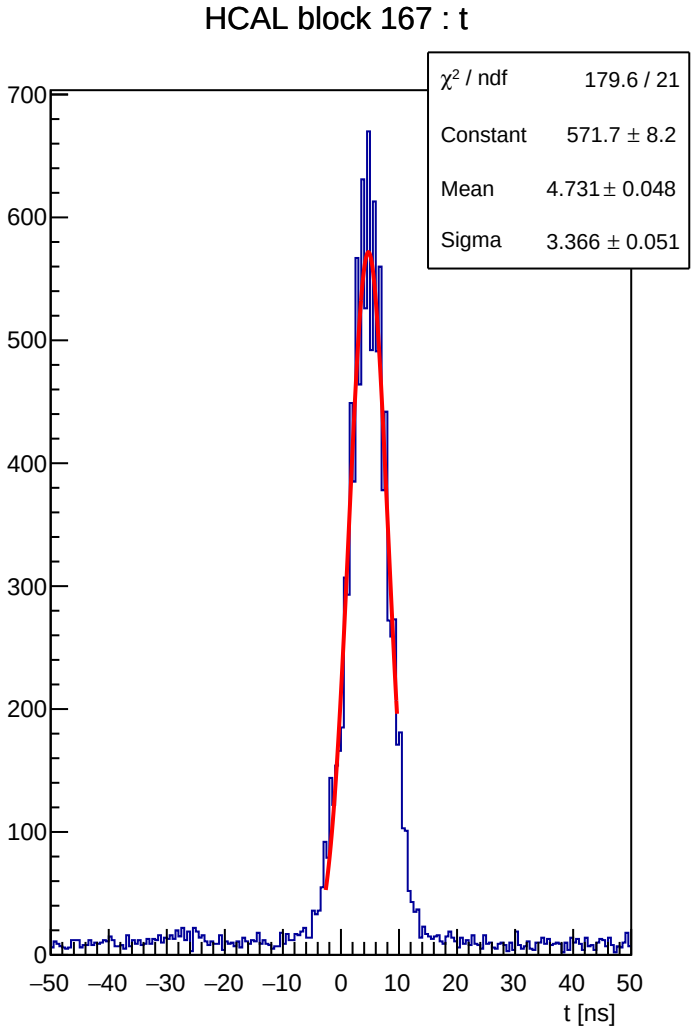

HCAL block 164 : t tw corr
χ² / ndf 37.66 / 18
Constant 700 ± 9.7
Mean −0.8117 ± 0.0382
Sigma 3.041 ± 0.044
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

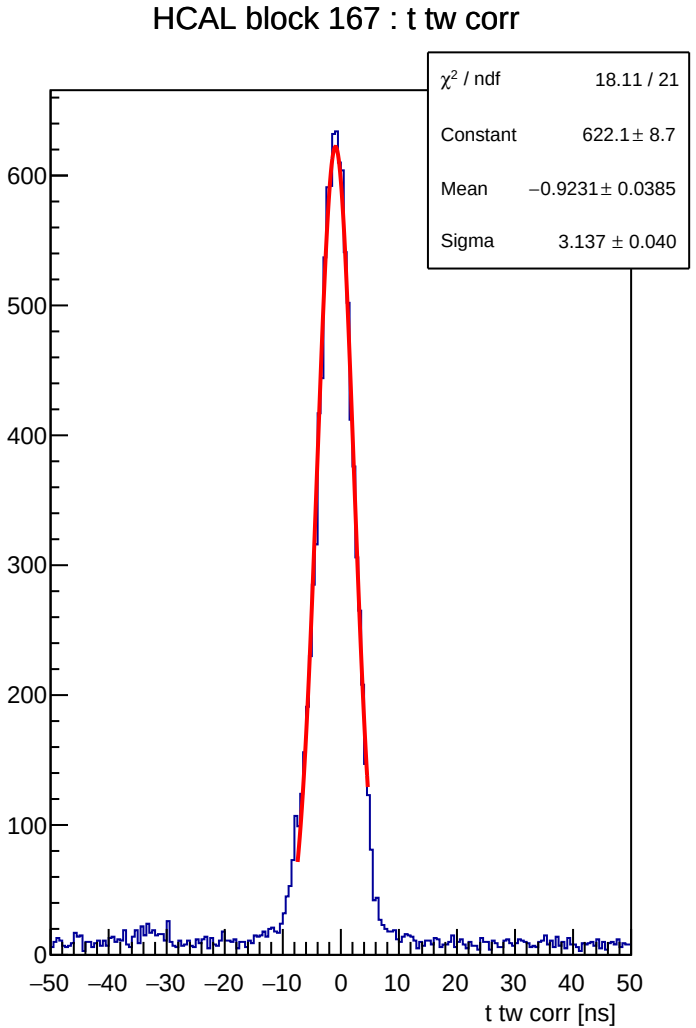

HCAL block 165 : t
χ² / ndf 137.3 / 20
Constant 637.8 ± 8.8
Mean 5.529 ± 0.048
Sigma 3.375 ± 0.052
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

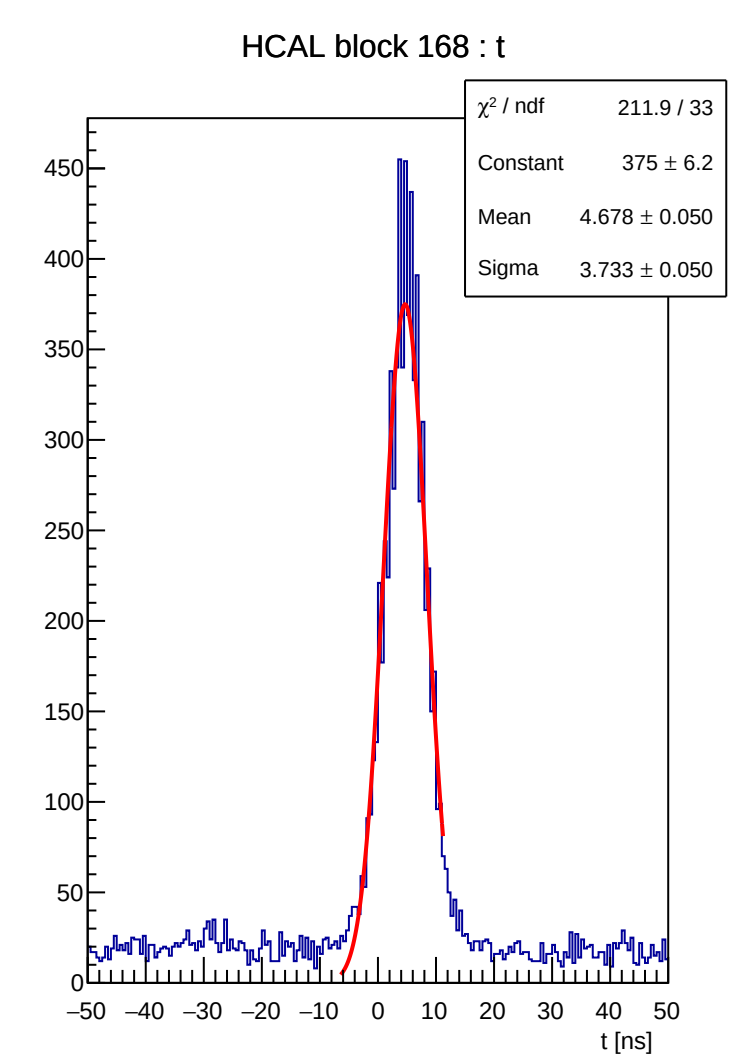

HCAL block 165 : t tw corr
χ² / ndf 51.34 / 20
Constant 694 ± 9.3
Mean −0.4276 ± 0.0362
Sigma 3.08 ± 0.04
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

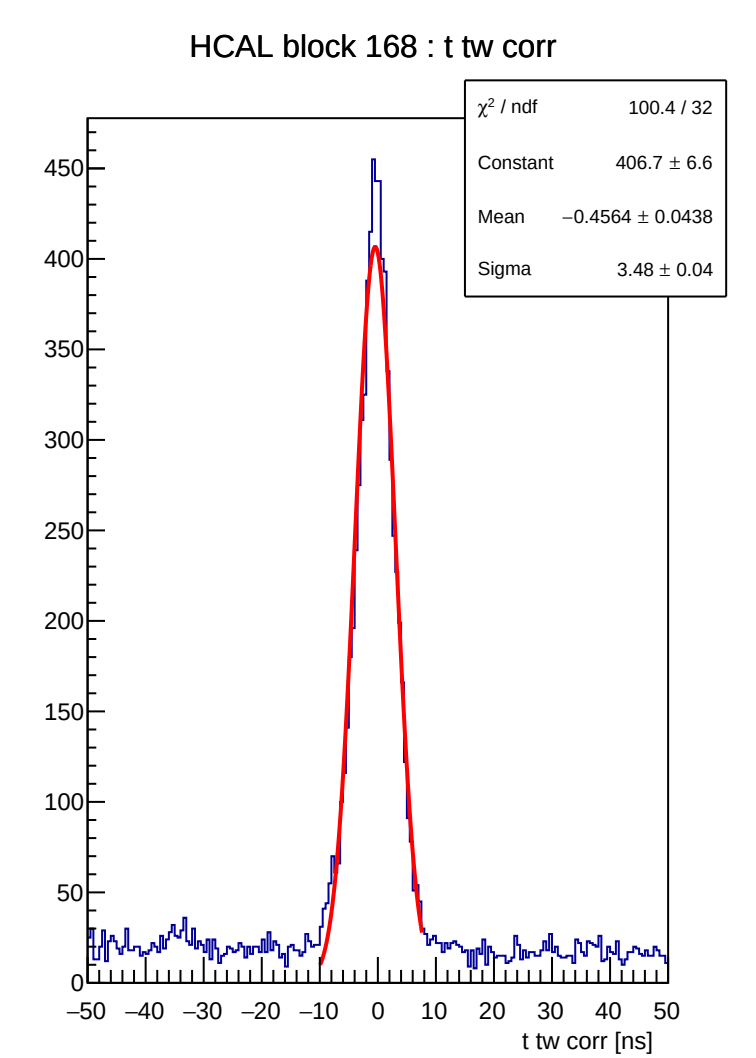

HCAL block 166 : t
χ² / ndf 221.1 / 19
Constant 753.9 ± 9.7
Mean 5.056 ± 0.044
Sigma 3.413 ± 0.052
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

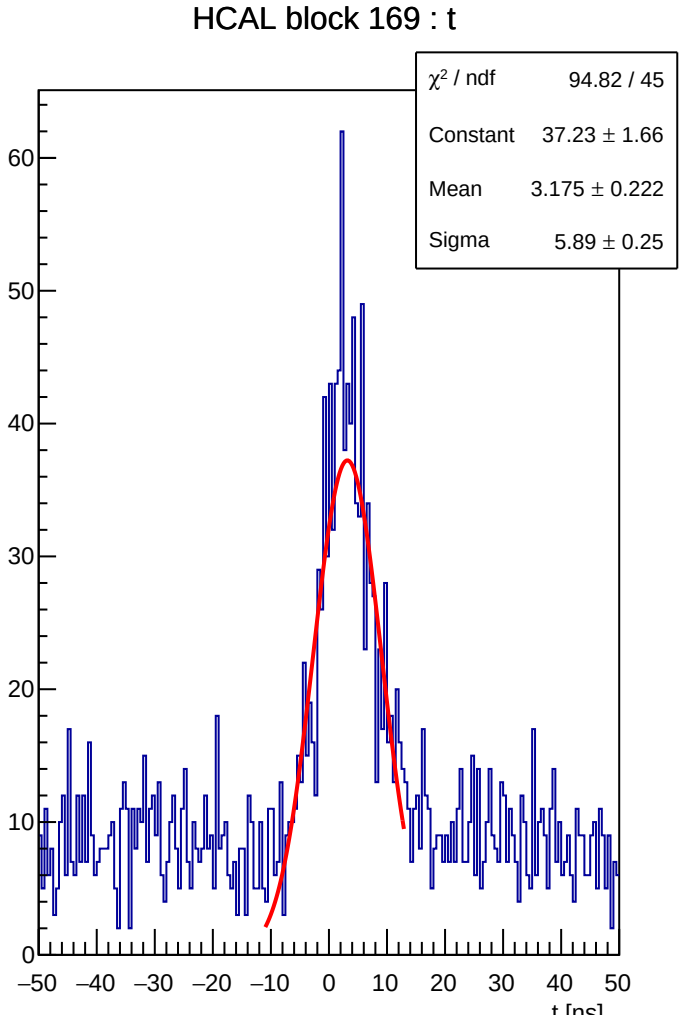

HCAL block 166 : t tw corr
χ² / ndf 47.45 / 19
Constant 816.5 ± 10.3
Mean −0.3379 ± 0.0365
Sigma 3.166 ± 0.041
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

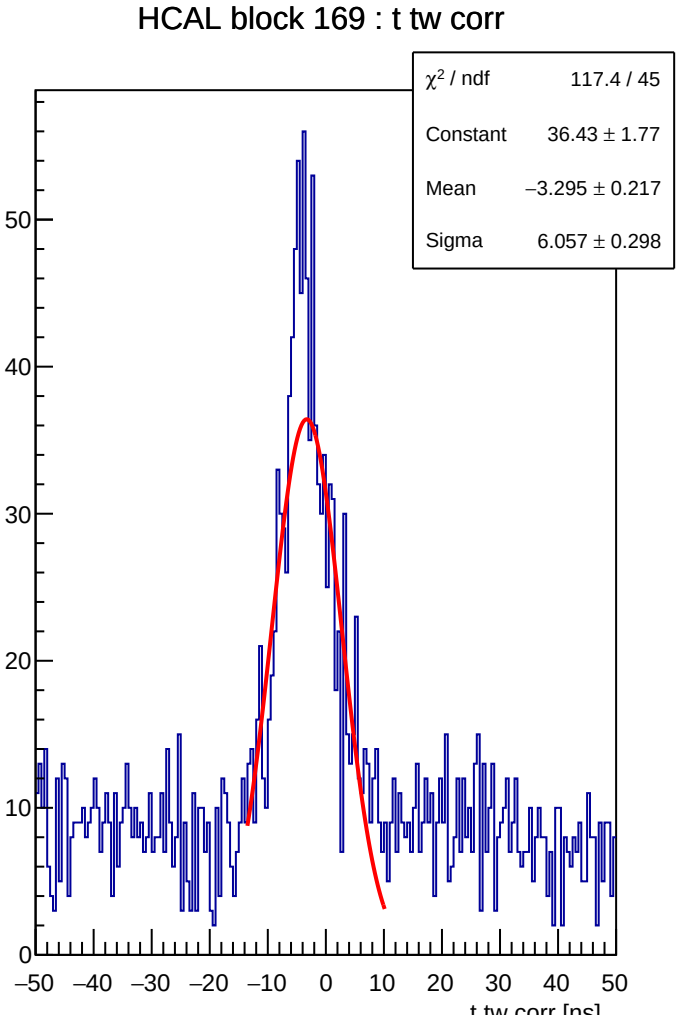

HCAL block 167 : t
χ² / ndf 179.6 / 21
Constant 571.7 ± 8.2
Mean 4.731 ± 0.048
Sigma 3.366 ± 0.051
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

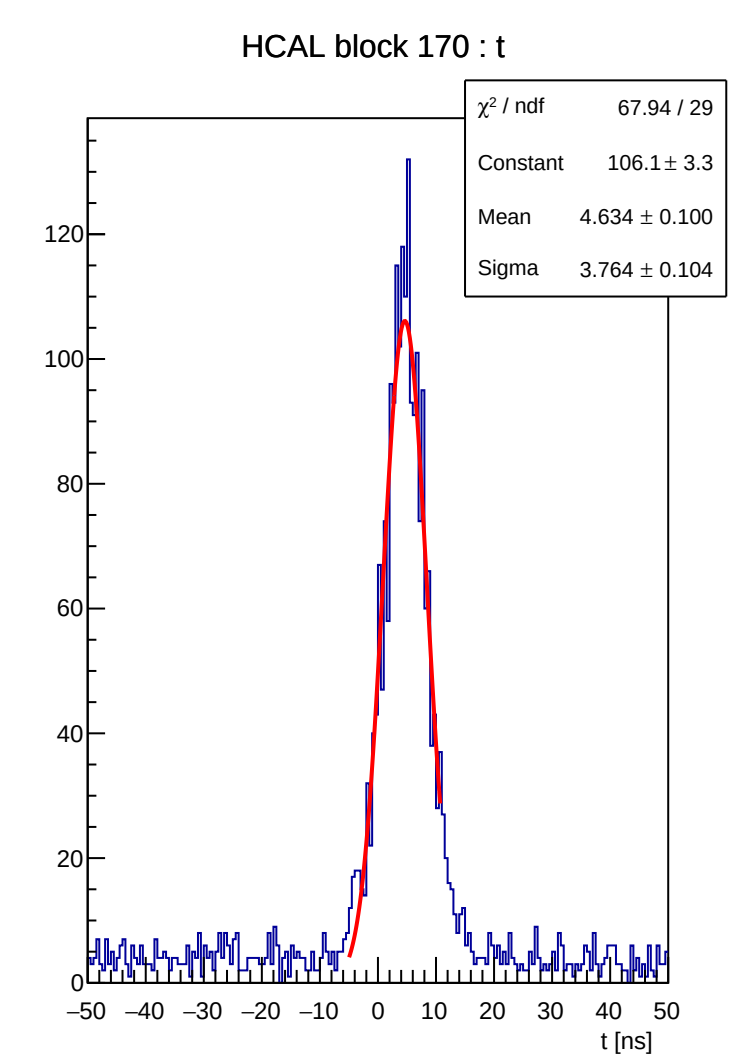

HCAL block 167 : t tw corr
χ² / ndf 18.11 / 21
Constant 622.1 ± 8.7
Mean −0.9231 ± 0.0385
Sigma 3.137 ± 0.040
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

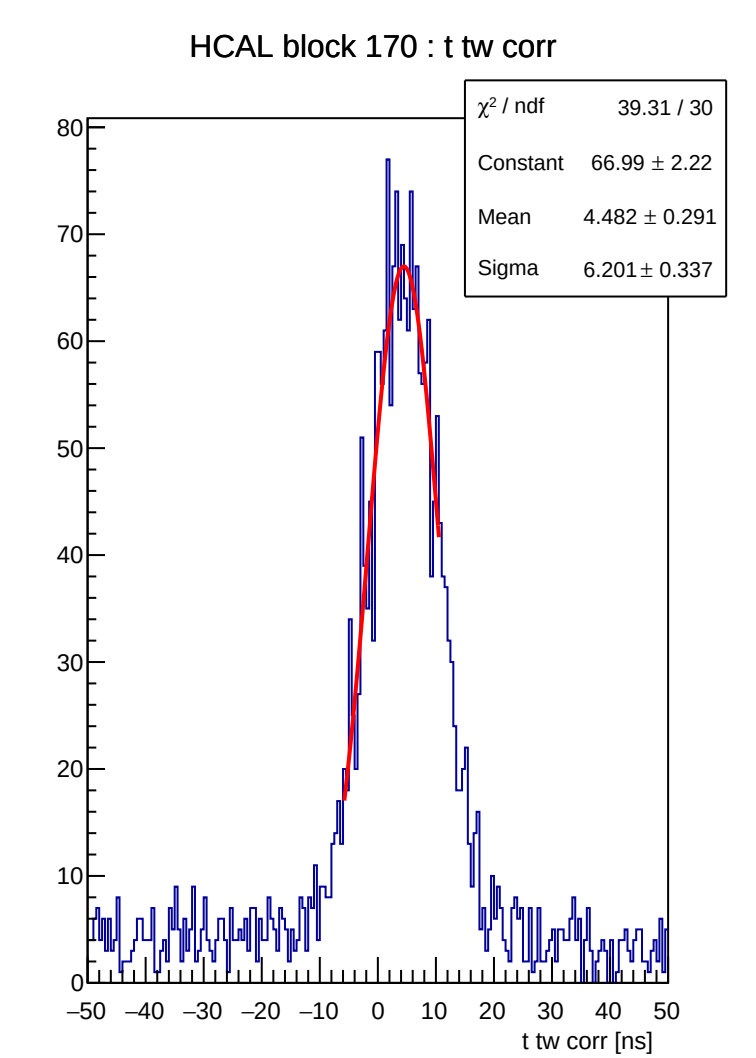

HCAL block 168 : t
χ² / ndf 211.9 / 33
Constant 375 ± 6.2
Mean 4.678 ± 0.050
Sigma 3.733 ± 0.050
t [ns]

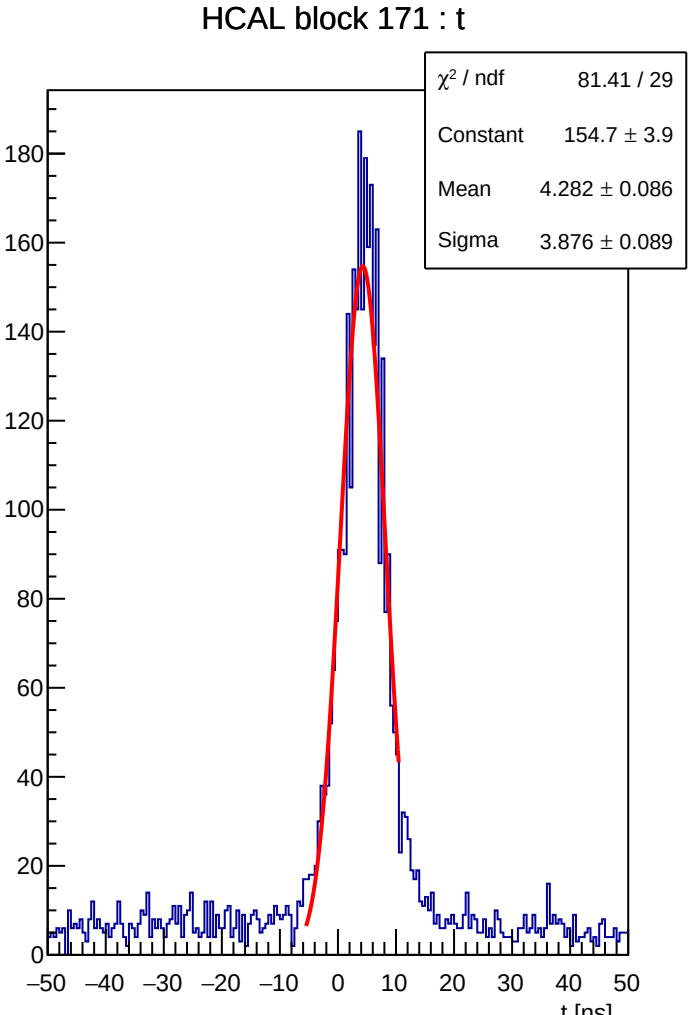

HCAL block 168 : t tw corr
χ² / ndf 100.4 / 32
Constant 406.7 ± 6.6
Mean −0.4564 ± 0.0438
Sigma 3.48 ± 0.04
t tw corr [ns]

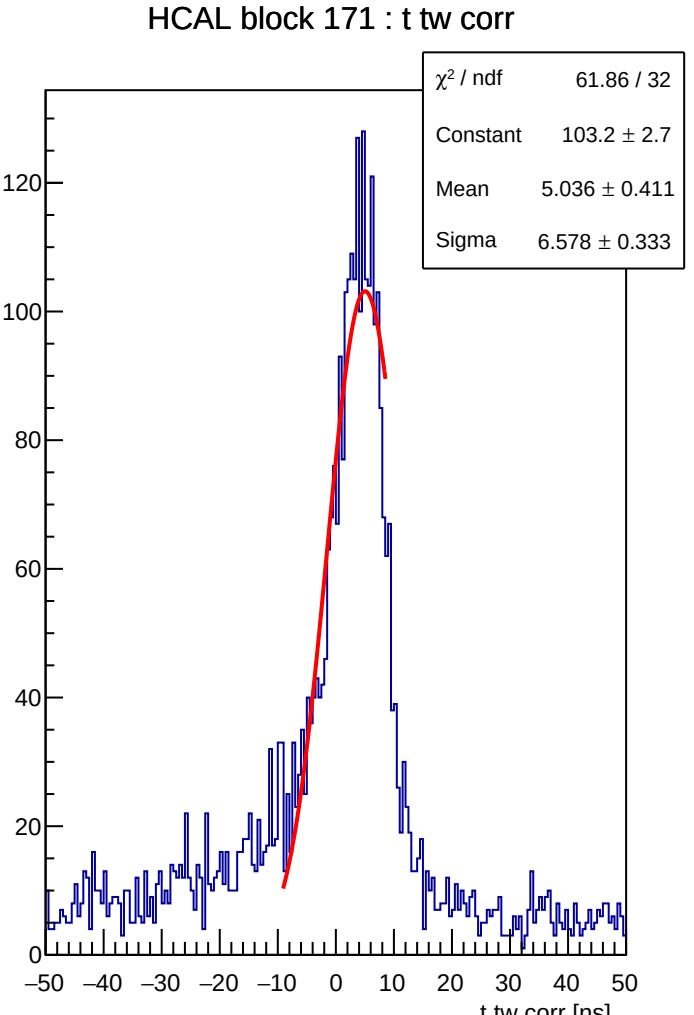

HCAL block 169 : t
χ² / ndf 94.82 / 45
Constant 37.23 ± 1.66
Mean 3.175 ± 0.222
Sigma 5.89 ± 0.25
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

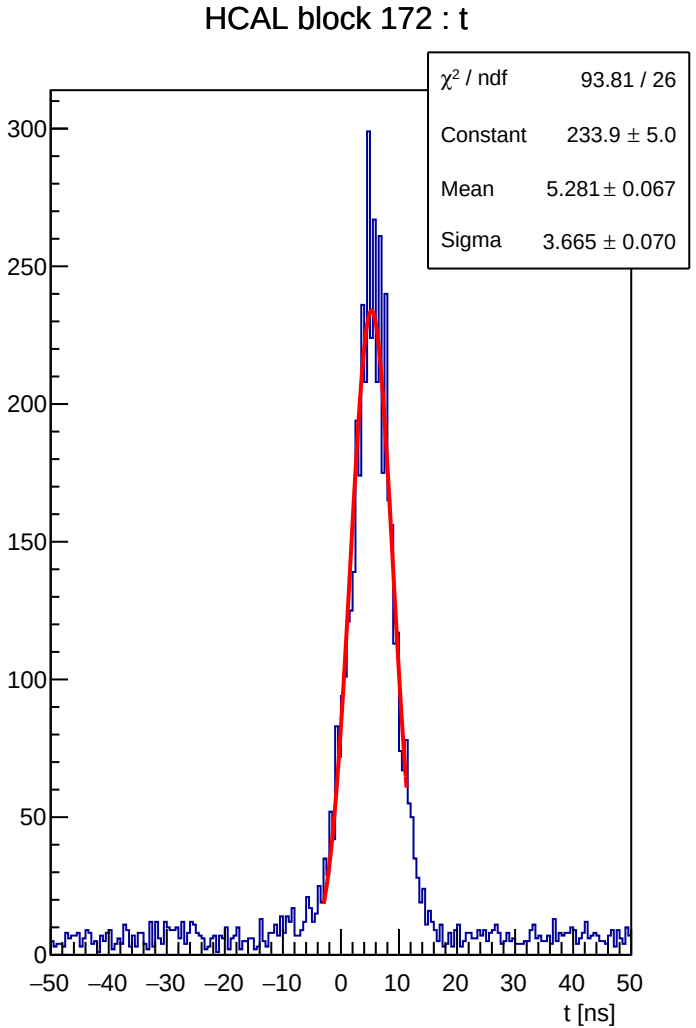

HCAL block 169 : t tw corr
χ² / ndf 117.4 / 45
Constant 36.43 ± 1.77
Mean –3.295 ± 0.217
Sigma 6.057 ± 0.298
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

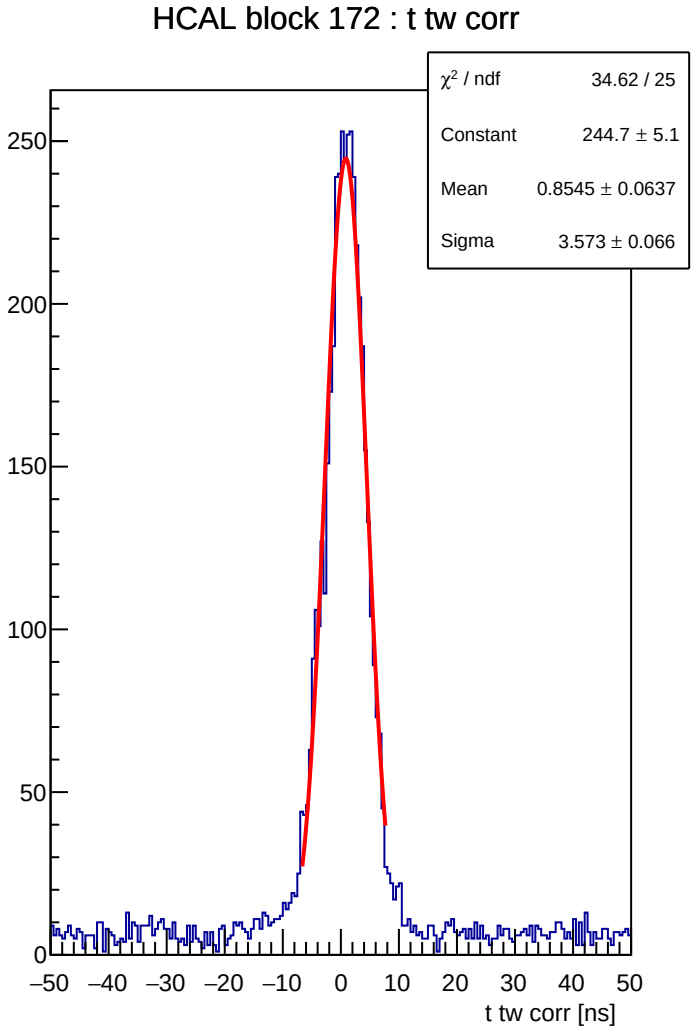

HCAL block 170 : t
χ² / ndf 67.94 / 29
Constant 106.1 ± 3.3
Mean 4.634 ± 0.100
Sigma 3.764 ± 0.104
0
20
40
60
80
100
120
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

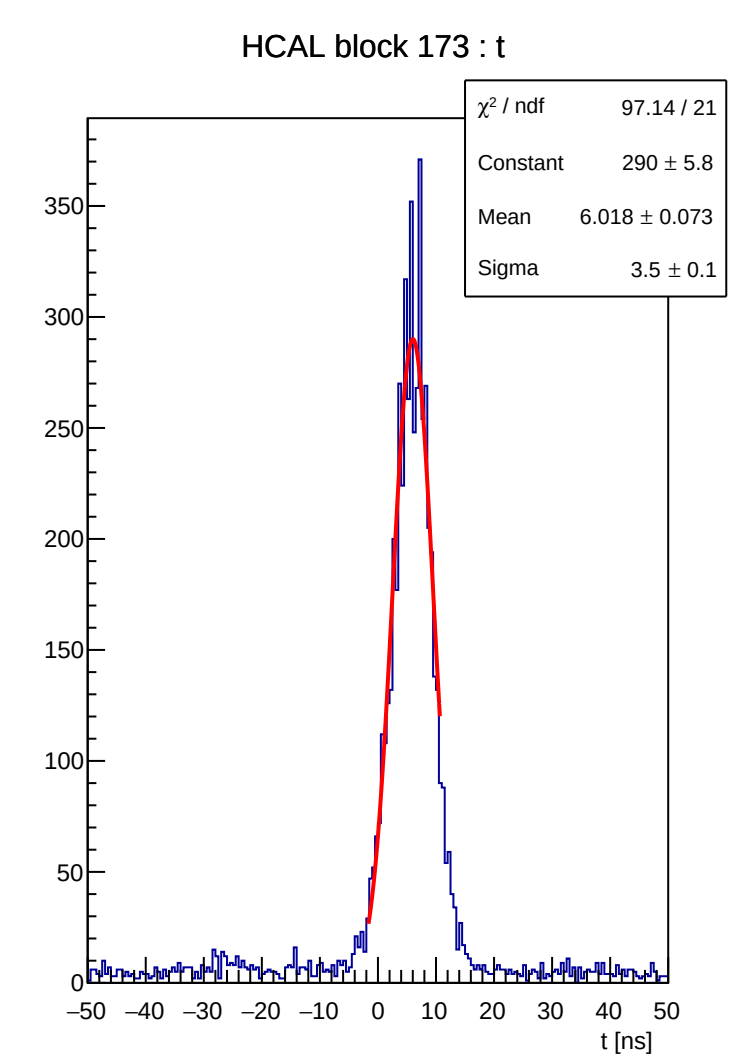

HCAL block 170 : t tw corr
χ² / ndf 39.31 / 30
Constant 66.99 ± 2.22
Mean 4.482 ± 0.291
Sigma 6.201 ± 0.337
0
10
20
30
40
50
60
70
80
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

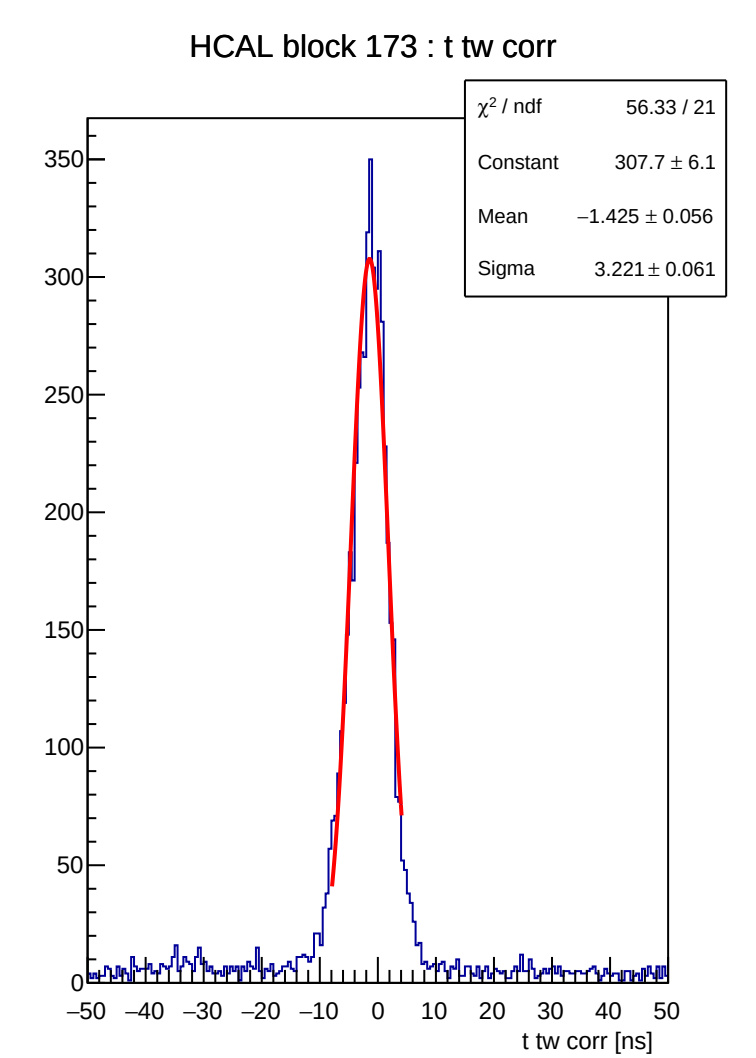

HCAL block 171 : t
χ² / ndf 81.41 / 29
Constant 154.7 ± 3.9
Mean 4.282 ± 0.086
Sigma 3.876 ± 0.089
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

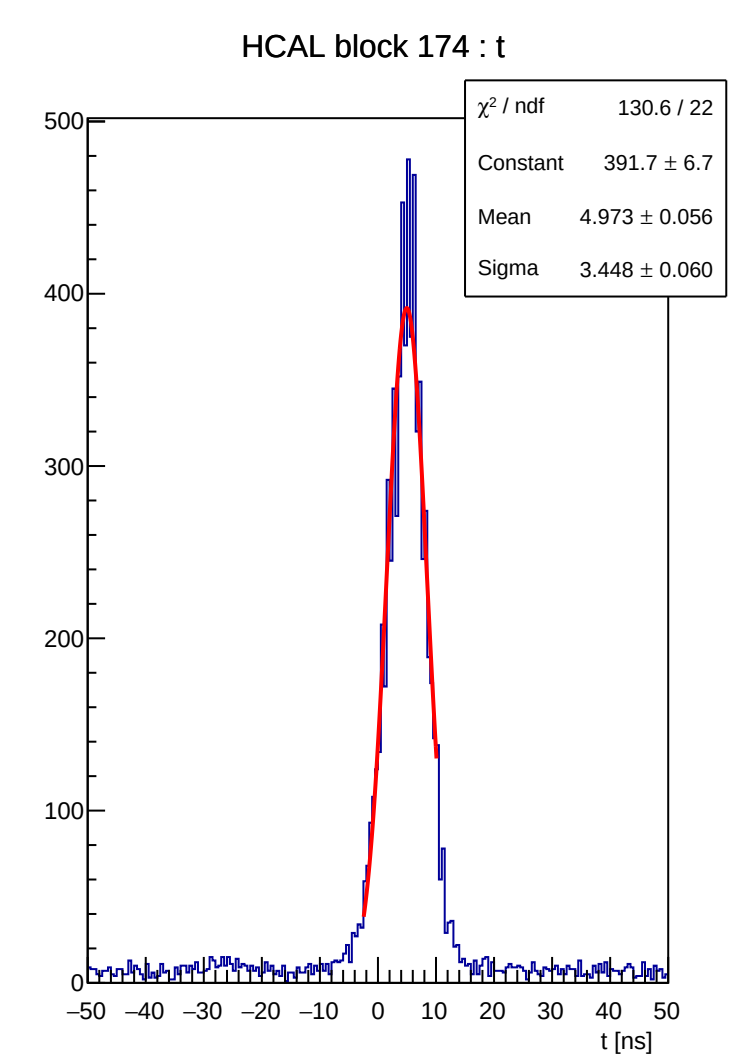

HCAL block 171 : t tw corr
χ² / ndf 61.86 / 32
Constant 103.2 ± 2.7
Mean 5.036 ± 0.411
Sigma 6.578 ± 0.333
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

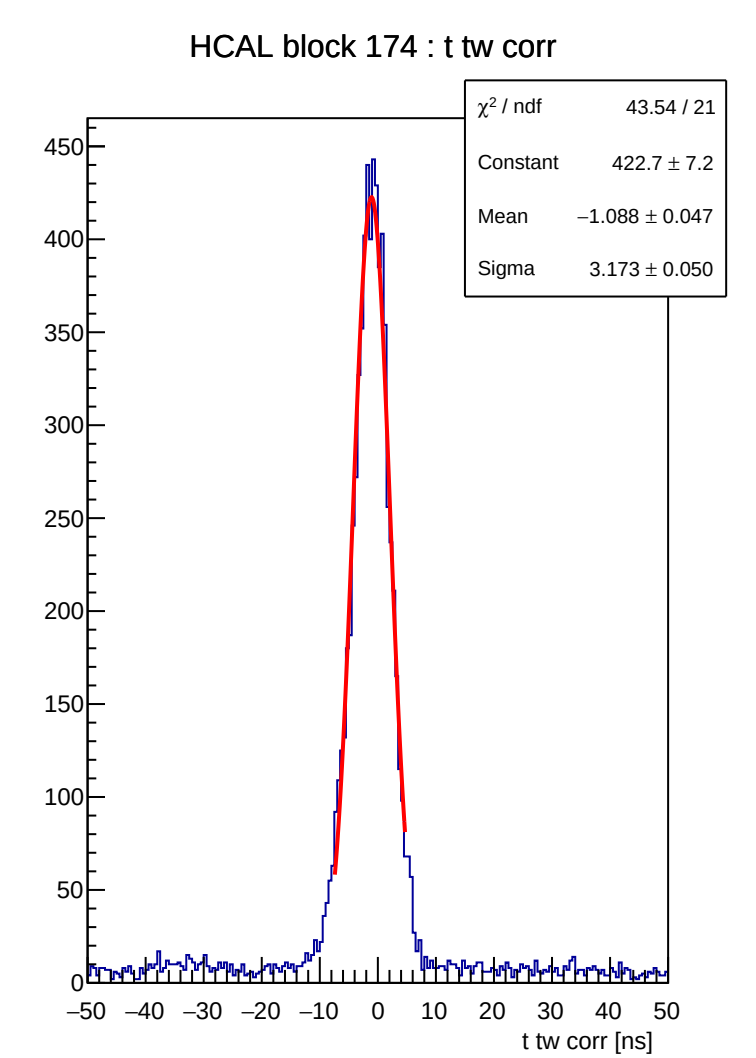

HCAL block 172 : t
χ² / ndf 93.81 / 26
Constant 233.9 ± 5.0
Mean 5.281 ± 0.067
Sigma 3.665 ± 0.070
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

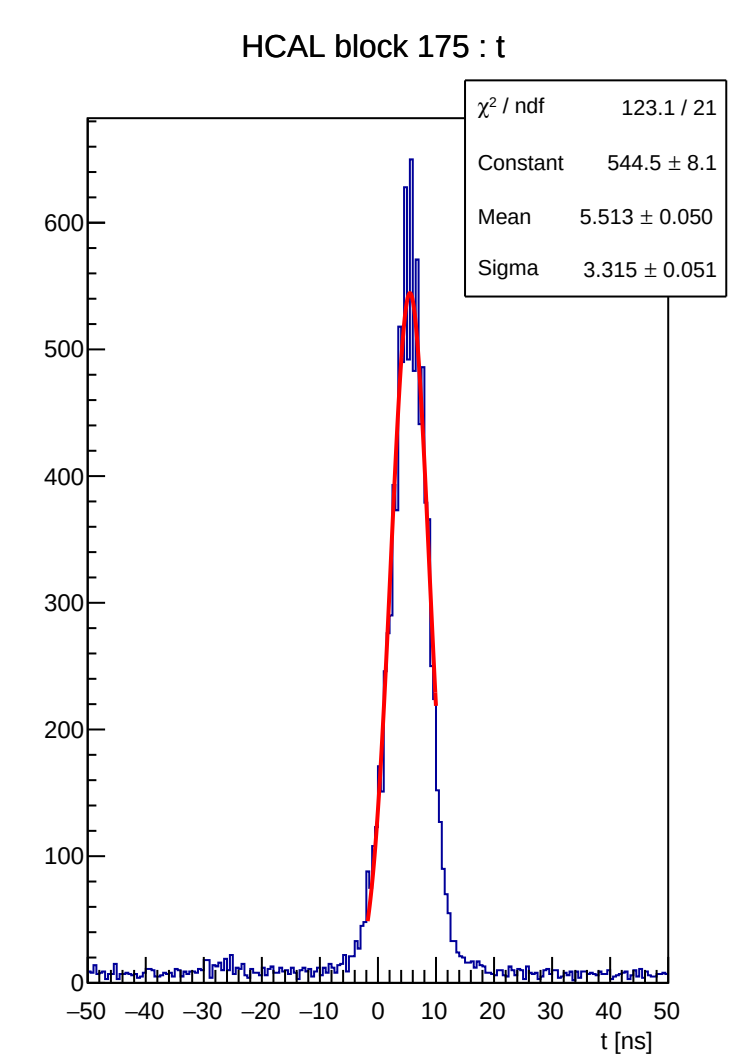

HCAL block 172 : t tw corr
χ² / ndf 34.62 / 25
Constant 244.7 ± 5.1
Mean 0.8545 ± 0.0637
Sigma 3.573 ± 0.066
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

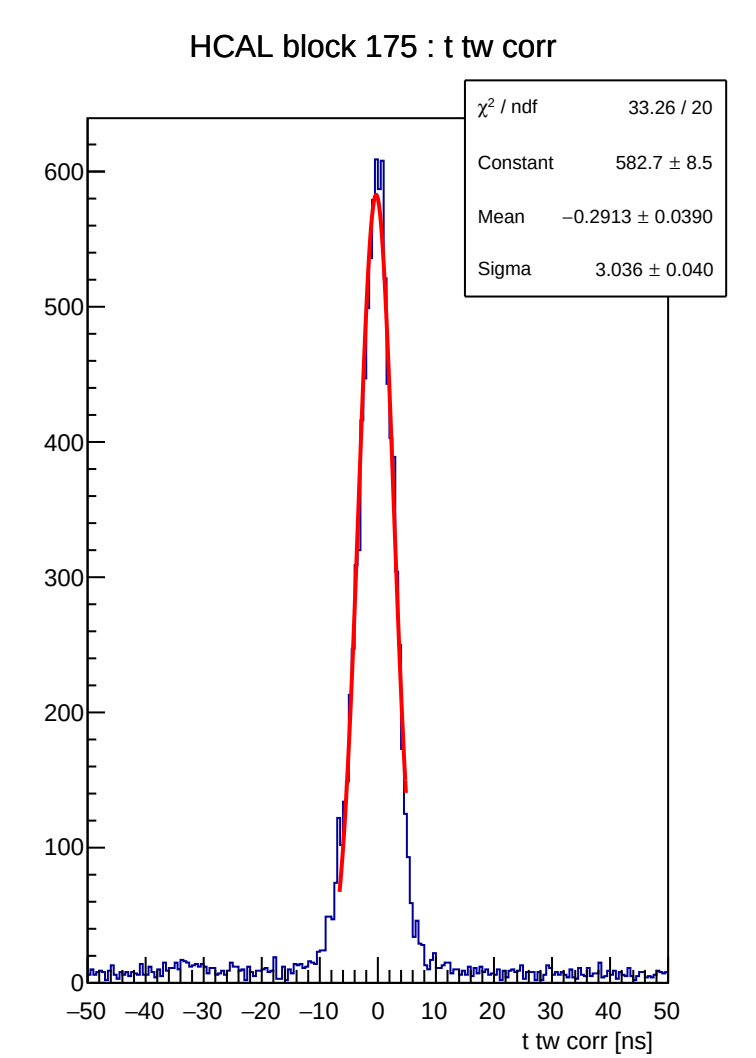

HCAL block 173 : t
χ² / ndf 97.14 / 21
Constant 290 ± 5.8
Mean 6.018 ± 0.073
Sigma 3.5 ± 0.1
t [ns]

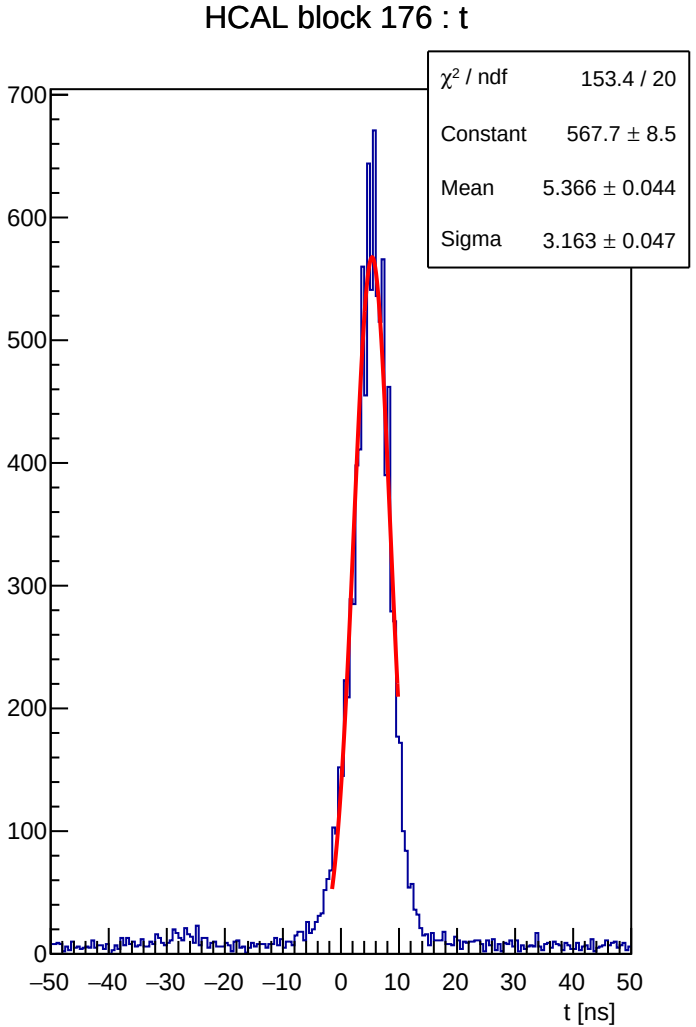

HCAL block 173 : t tw corr
χ² / ndf 56.33 / 21
Constant 307.7 ± 6.1
Mean −1.425 ± 0.056
Sigma 3.221 ± 0.061
t tw corr [ns]

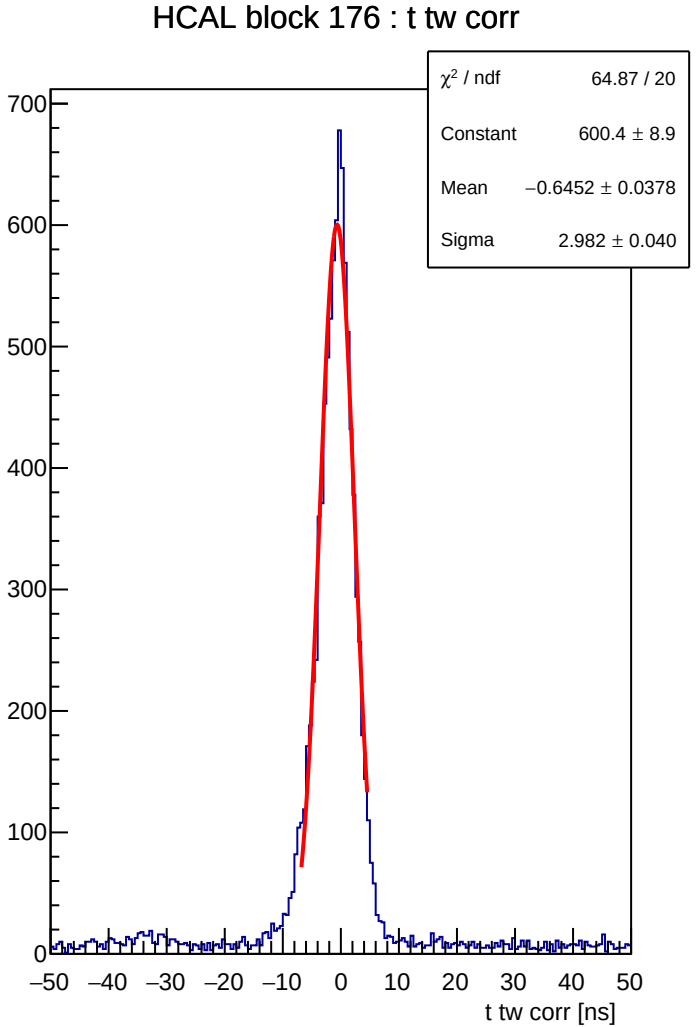

HCAL block 174 : t
χ² / ndf 130.6 / 22
Constant 391.7 ± 6.7
Mean 4.973 ± 0.056
Sigma 3.448 ± 0.060
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

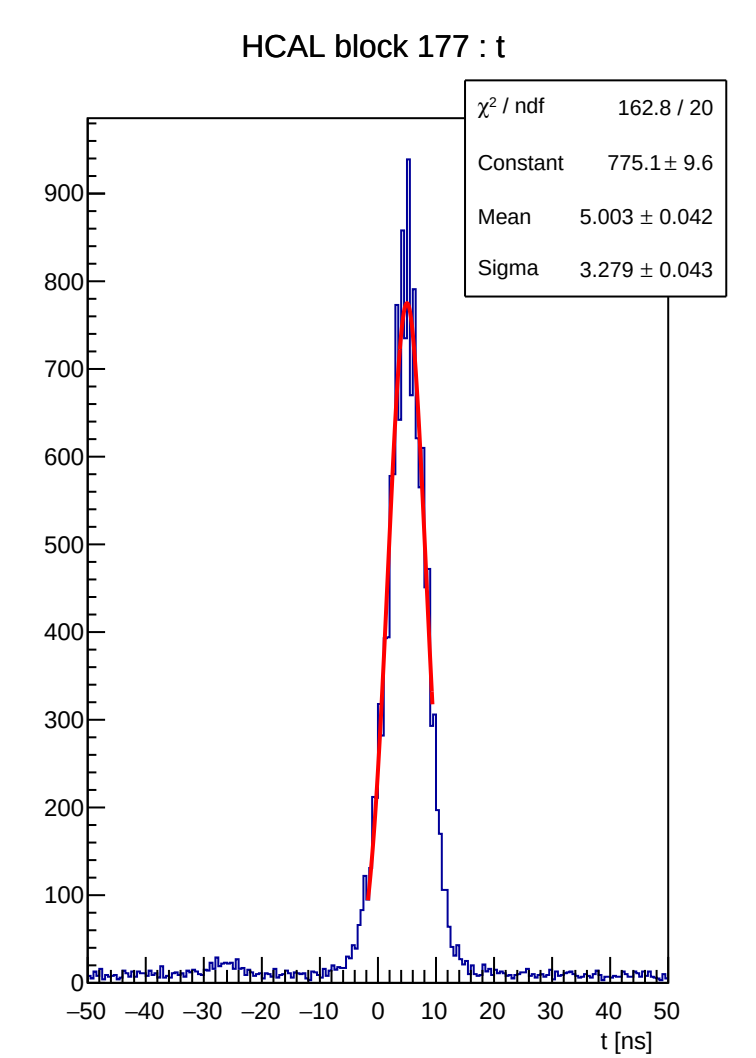

HCAL block 174 : t tw corr
χ² / ndf 43.54 / 21
Constant 422.7 ± 7.2
Mean –1.088 ± 0.047
Sigma 3.173 ± 0.050
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

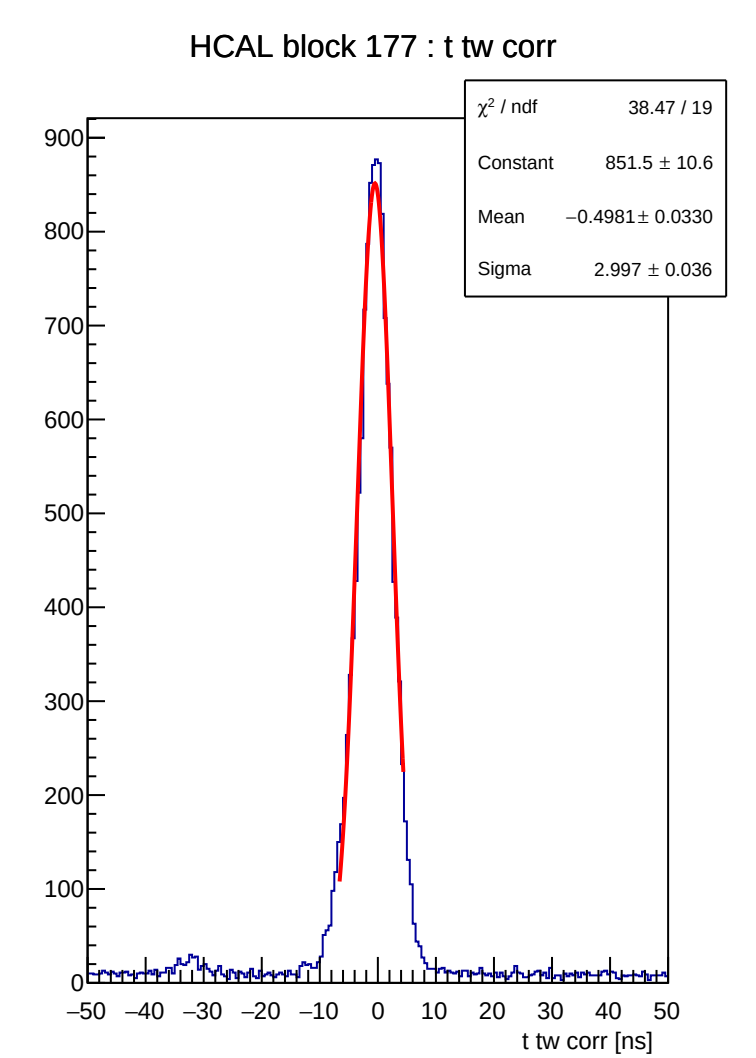

HCAL block 175 : t
χ² / ndf 123.1 / 21
Constant 544.5 ± 8.1
Mean 5.513 ± 0.050
Sigma 3.315 ± 0.051
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

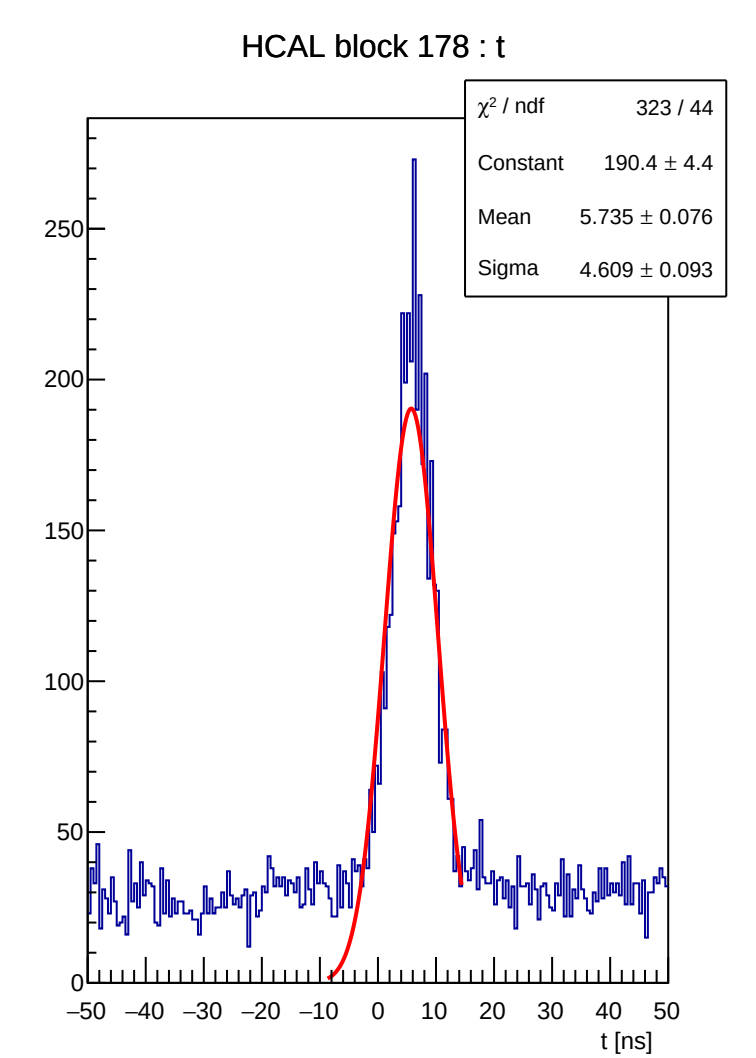

HCAL block 175 : t tw corr
χ² / ndf 33.26 / 20
Constant 582.7 ± 8.5
Mean −0.2913 ± 0.0390
Sigma 3.036 ± 0.040
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

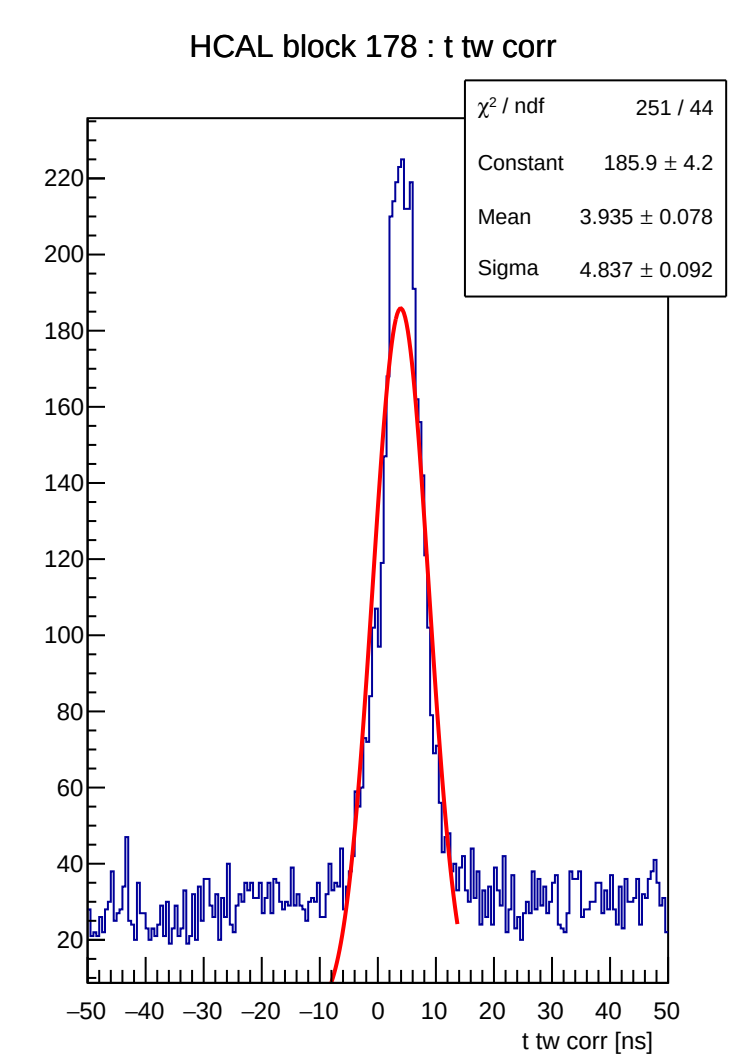

HCAL block 176 : t
χ² / ndf 153.4 / 20
Constant 567.7 ± 8.5
Mean 5.366 ± 0.044
Sigma 3.163 ± 0.047
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

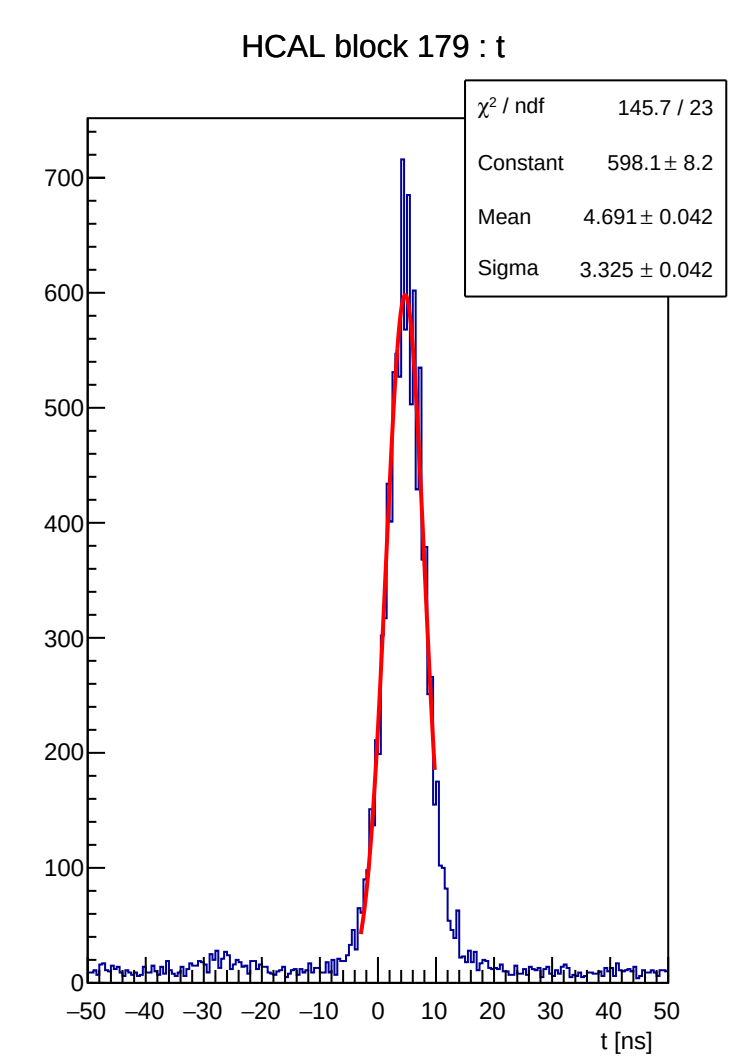

HCAL block 176 : t tw corr
χ² / ndf 64.87 / 20
Constant 600.4 ± 8.9
Mean −0.6452 ± 0.0378
Sigma 2.982 ± 0.040
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

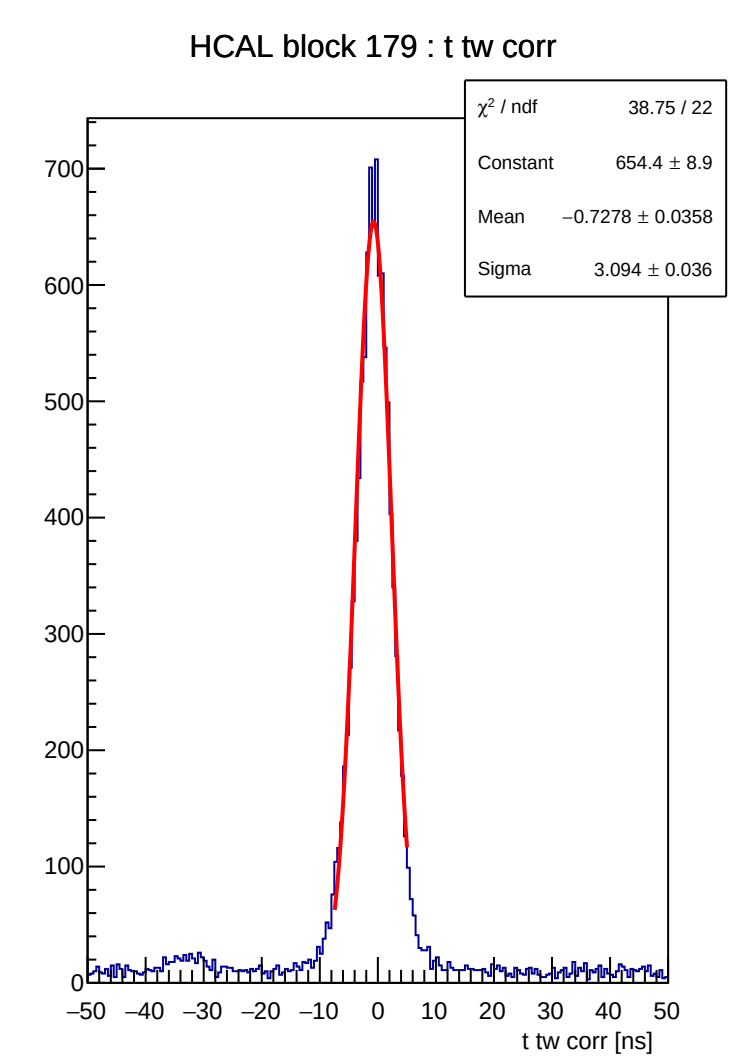

HCAL block 177 : t
χ² / ndf 162.8 / 20
Constant 775.1 ± 9.6
Mean 5.003 ± 0.042
Sigma 3.279 ± 0.043
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

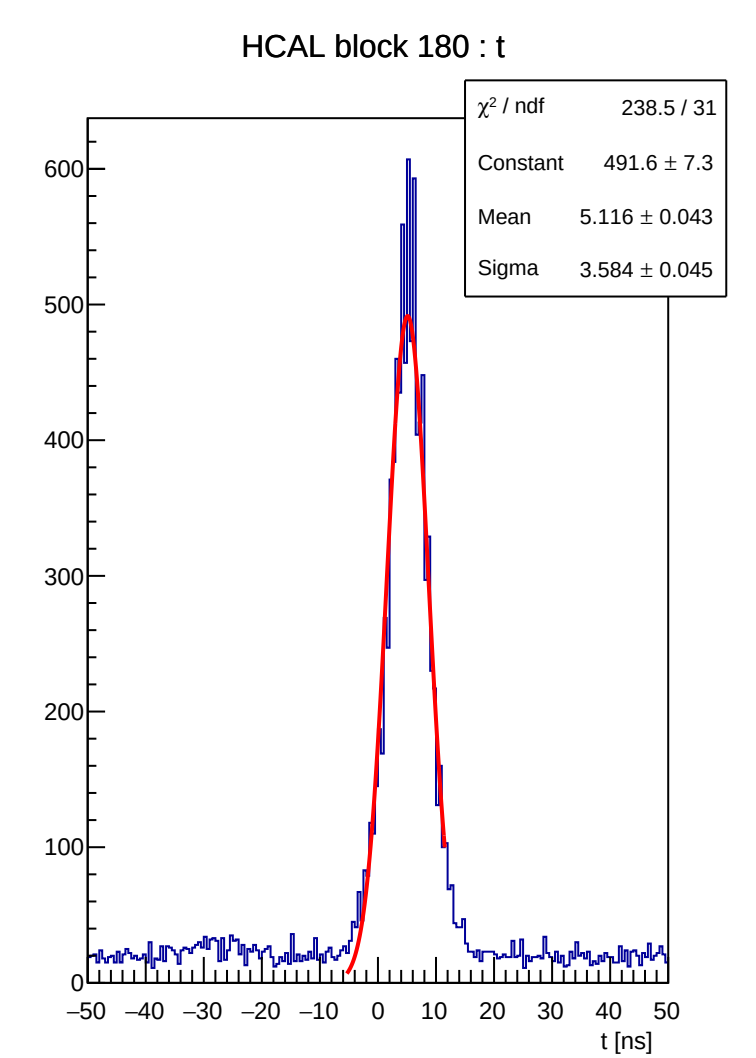

HCAL block 177 : t tw corr
χ² / ndf 38.47 / 19
Constant 851.5 ± 10.6
Mean −0.4981 ± 0.0330
Sigma 2.997 ± 0.036
900
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

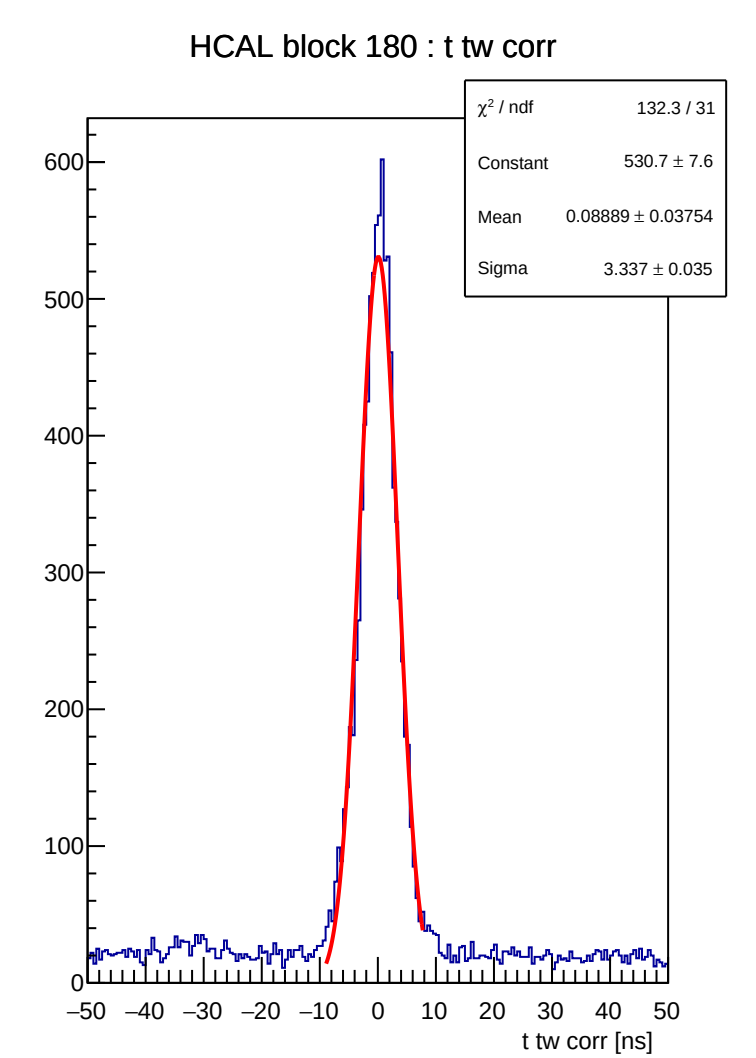

HCAL block 178 : t
χ² / ndf 323 / 44
Constant 190.4 ± 4.4
Mean 5.735 ± 0.076
Sigma 4.609 ± 0.093
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

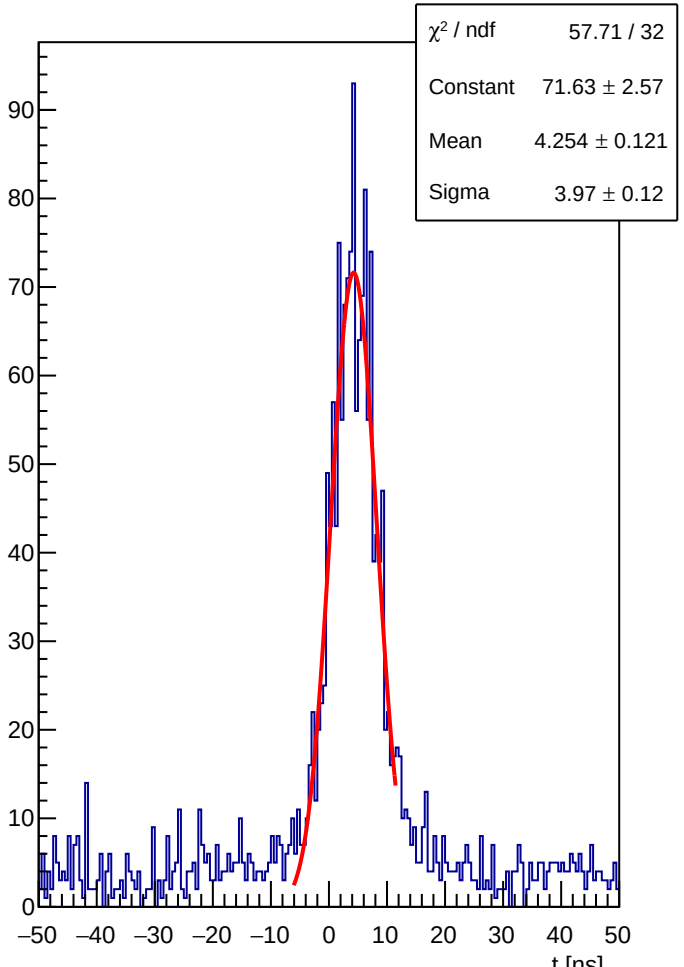

HCAL block 178 : t tw corr
χ² / ndf 251 / 44
Constant 185.9 ± 4.2
Mean 3.935 ± 0.078
Sigma 4.837 ± 0.092
220
200
180
160
140
120
100
80
60
40
20
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

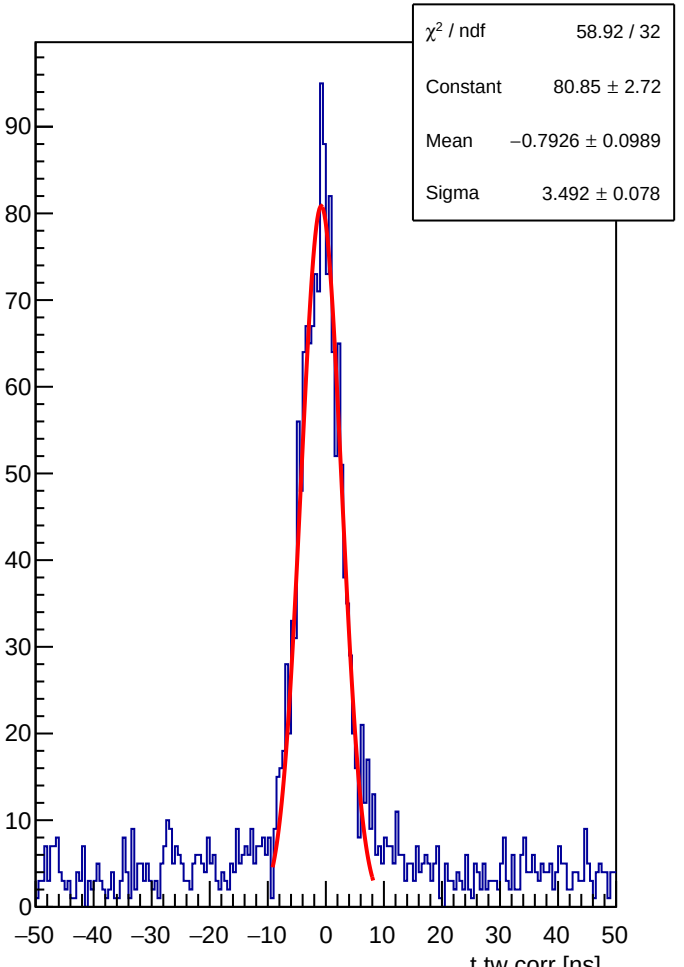

HCAL block 179 : t
χ² / ndf 145.7 / 23
Constant 598.1 ± 8.2
Mean 4.691 ± 0.042
Sigma 3.325 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

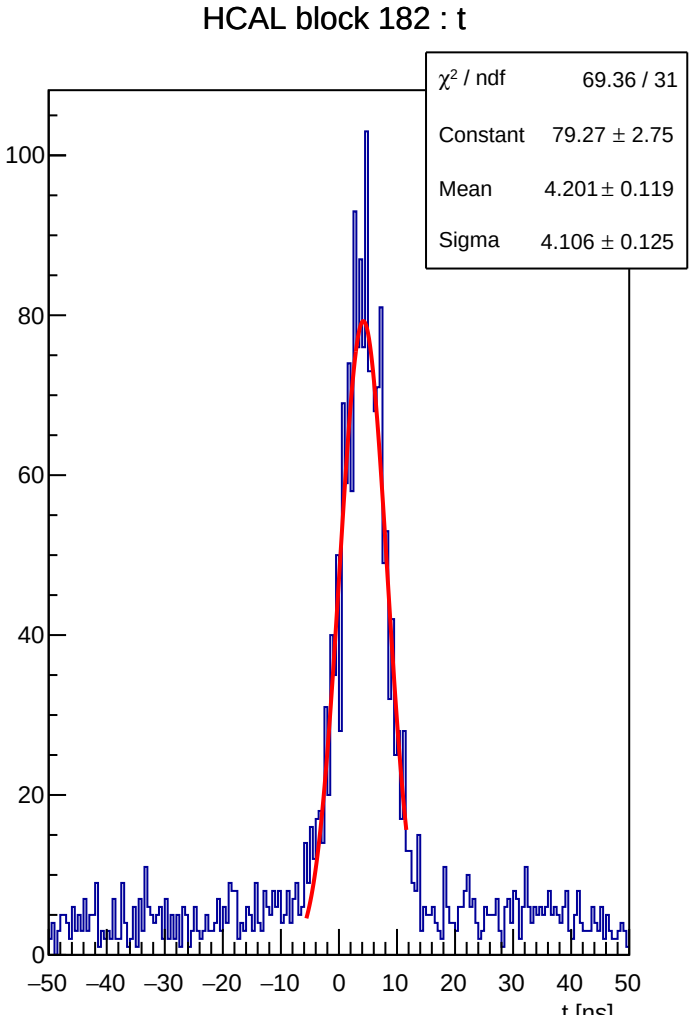

HCAL block 179 : t tw corr
χ² / ndf 38.75 / 22
Constant 654.4 ± 8.9
Mean −0.7278 ± 0.0358
Sigma 3.094 ± 0.036
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

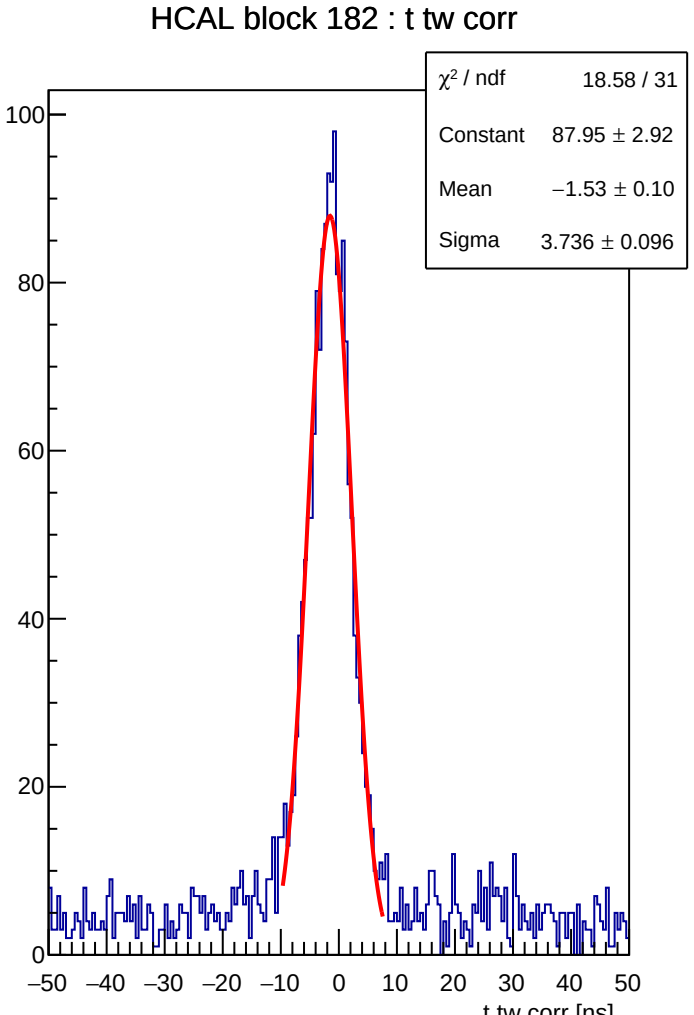

HCAL block 180 : t
χ² / ndf 238.5 / 31
Constant 491.6 ± 7.3
Mean 5.116 ± 0.043
Sigma 3.584 ± 0.045
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

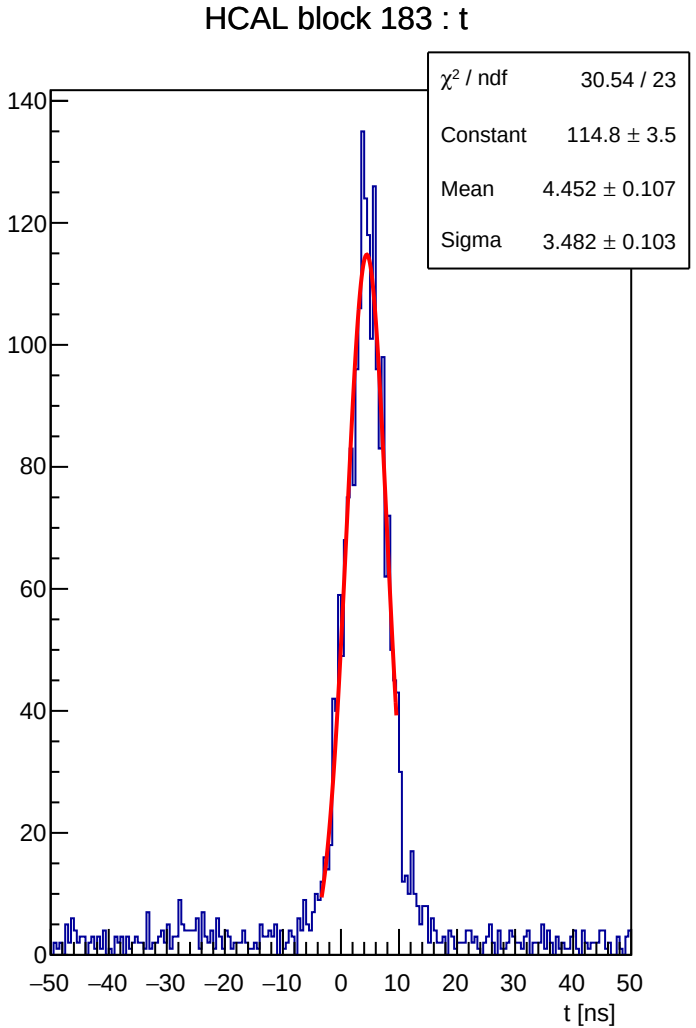

HCAL block 180 : t tw corr
χ² / ndf 132.3 / 31
Constant 530.7 ± 7.6
Mean 0.08889 ± 0.03754
Sigma 3.337 ± 0.035
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

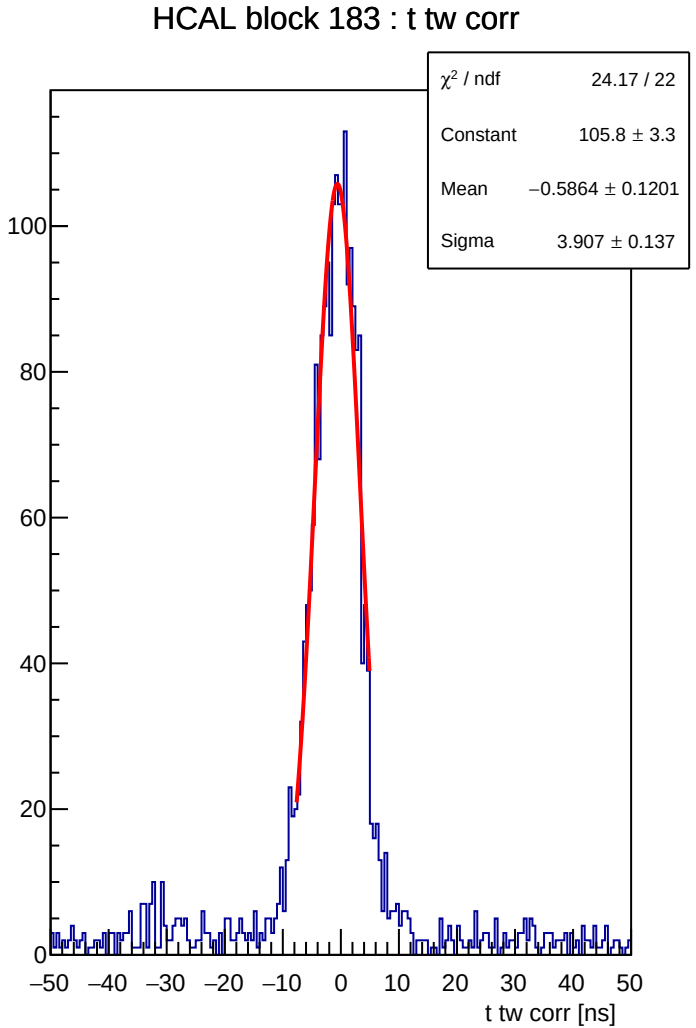

HCAL block 181 : t
χ² / ndf 57.71 / 32
Constant 71.63 ± 2.57
Mean 4.254 ± 0.121
Sigma 3.97 ± 0.12
t [ns]

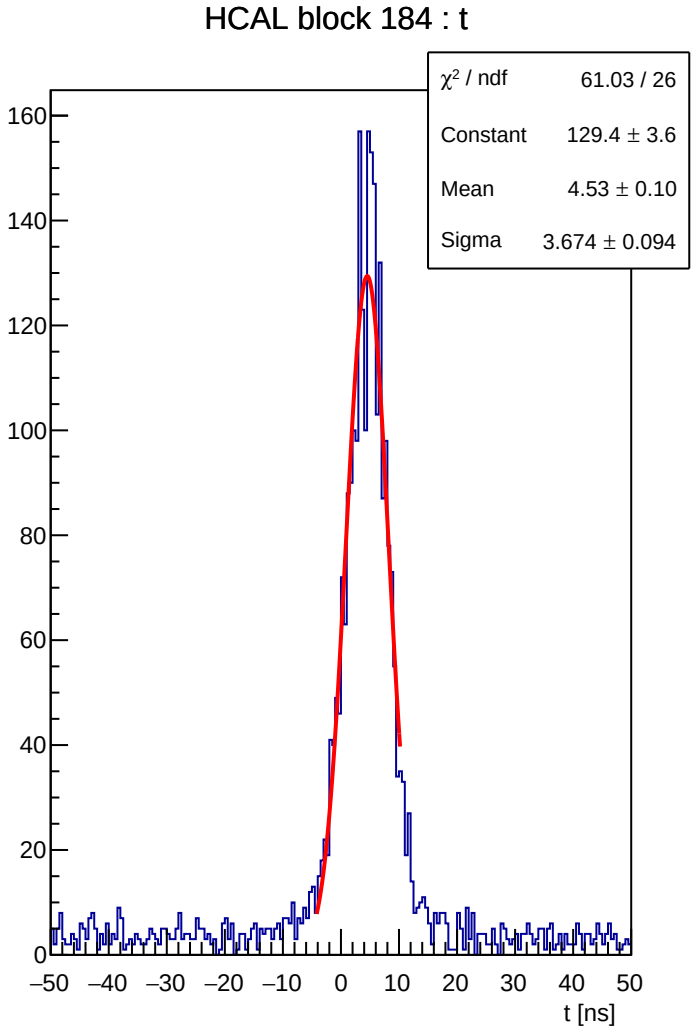

HCAL block 181 : t tw corr
χ² / ndf 58.92 / 32
Constant 80.85 ± 2.72
Mean −0.7926 ± 0.0989
Sigma 3.492 ± 0.078
t tw corr [ns]

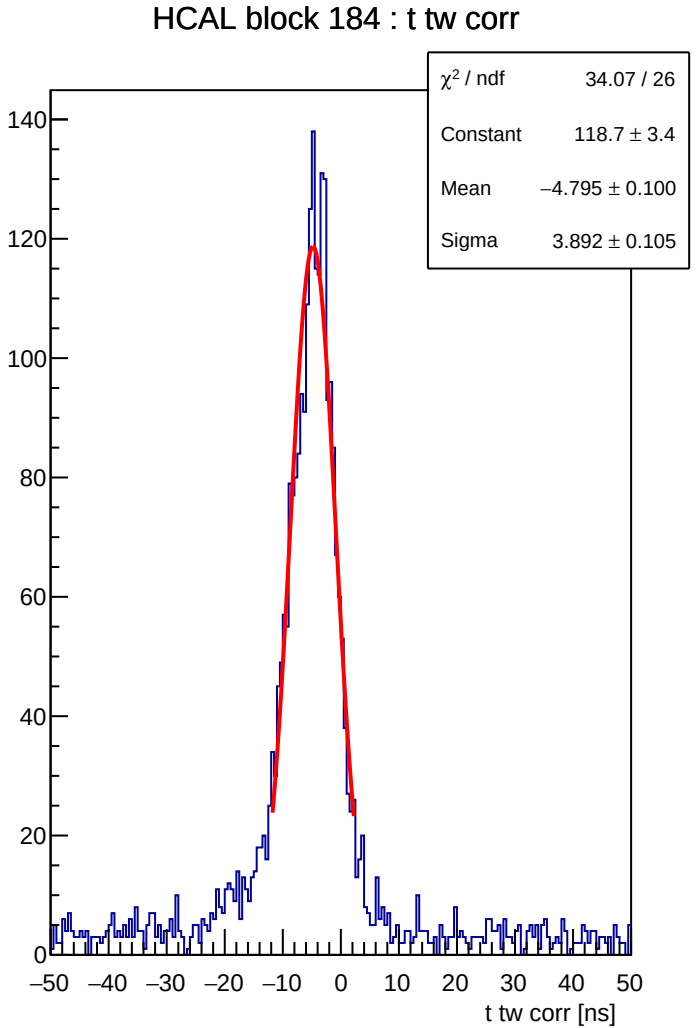

HCAL block 182 : t
χ² / ndf 69.36 / 31
Constant 79.27 ± 2.75
Mean 4.201 ± 0.119
Sigma 4.106 ± 0.125
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

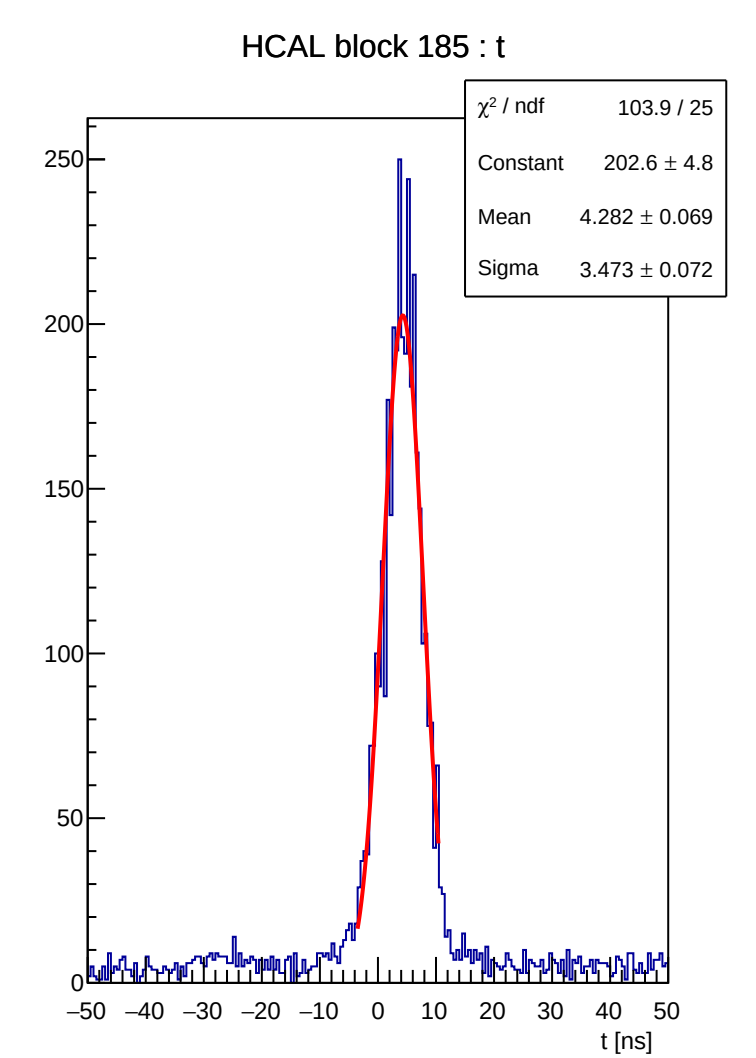

HCAL block 182 : t tw corr
χ² / ndf 18.58 / 31
Constant 87.95 ± 2.92
Mean –1.53 ± 0.10
Sigma 3.736 ± 0.096
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

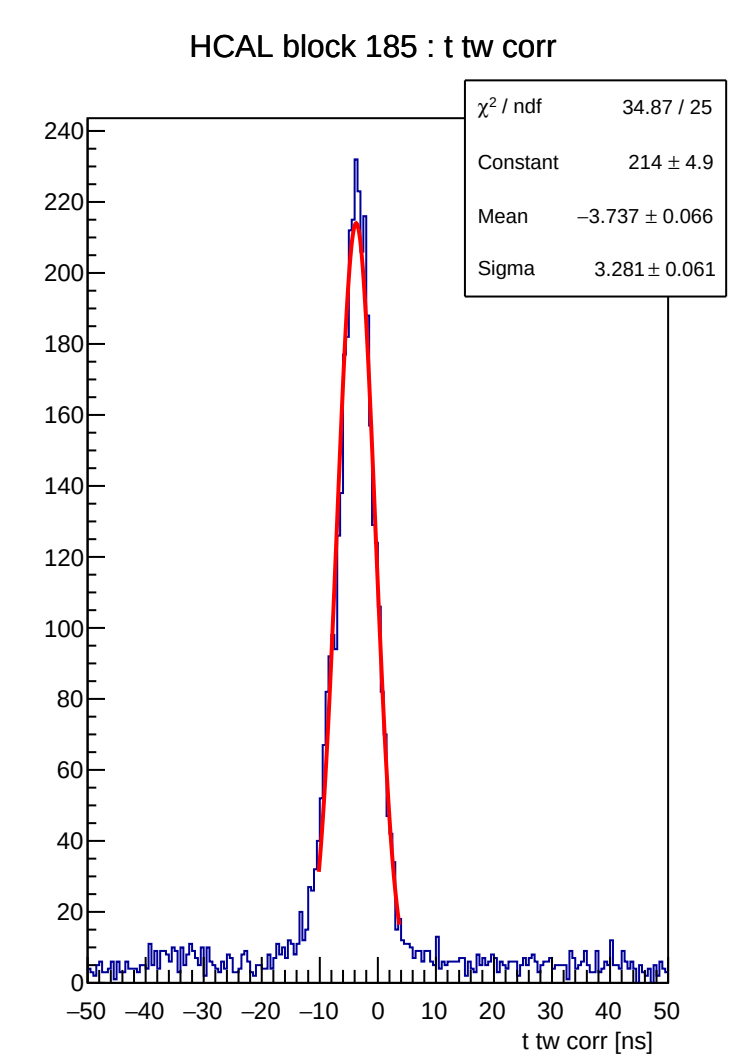

HCAL block 183 : t
χ² / ndf 30.54 / 23
Constant 114.8 ± 3.5
Mean 4.452 ± 0.107
Sigma 3.482 ± 0.103
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

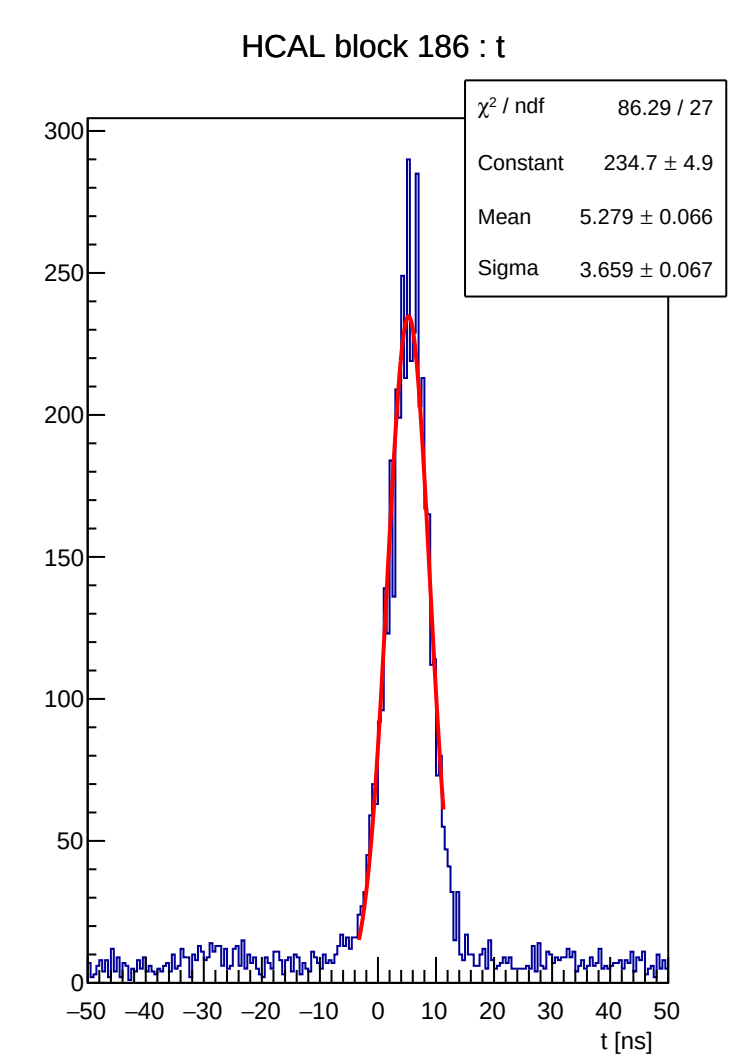

HCAL block 183 : t tw corr
χ² / ndf 24.17 / 22
Constant 105.8 ± 3.3
Mean −0.5864 ± 0.1201
Sigma 3.907 ± 0.137
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

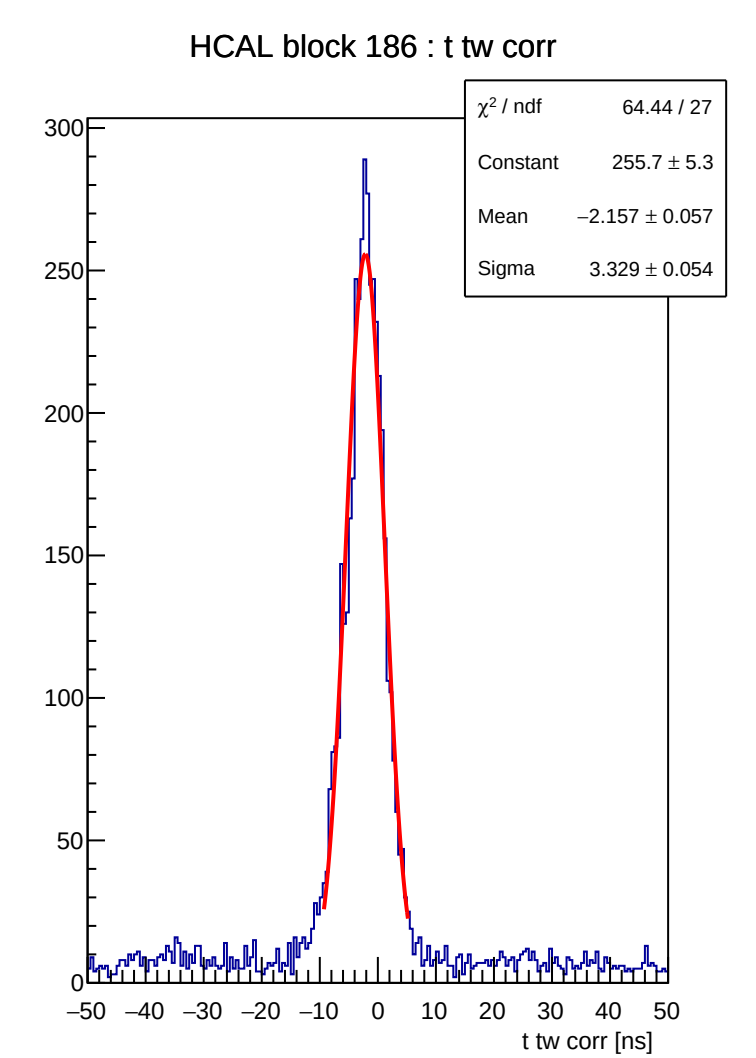

HCAL block 184 : t
χ² / ndf 61.03 / 26
Constant 129.4 ± 3.6
Mean 4.53 ± 0.10
Sigma 3.674 ± 0.094
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

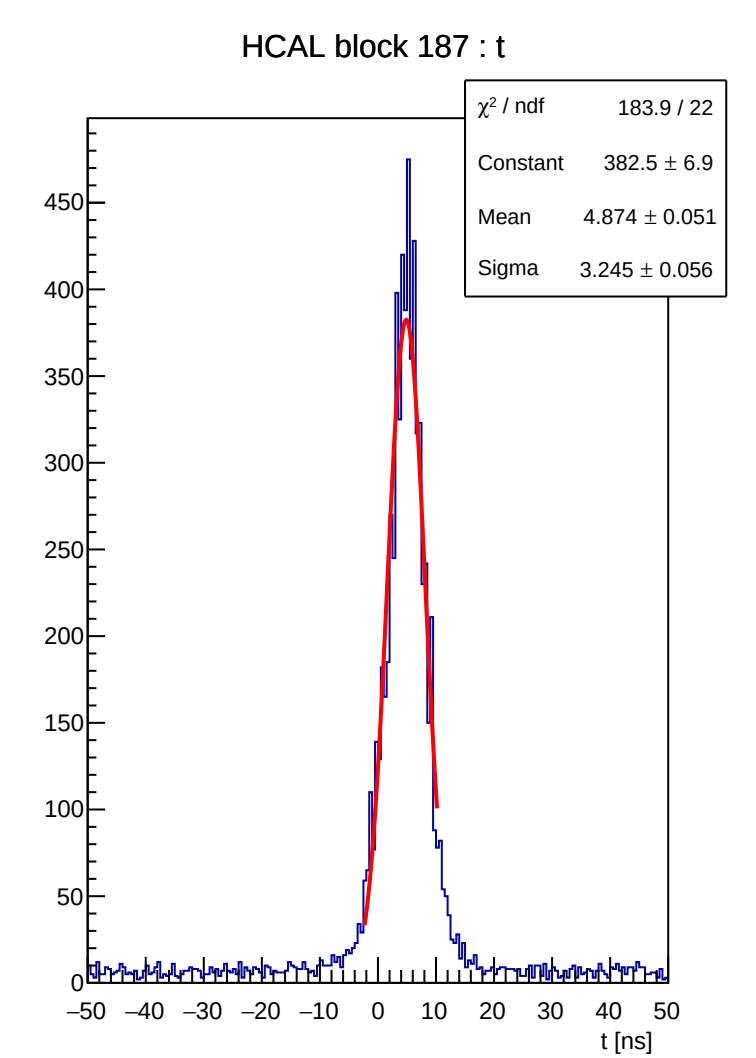

HCAL block 184 : t tw corr
χ² / ndf 34.07 / 26
Constant 118.7 ± 3.4
Mean –4.795 ± 0.100
Sigma 3.892 ± 0.105
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

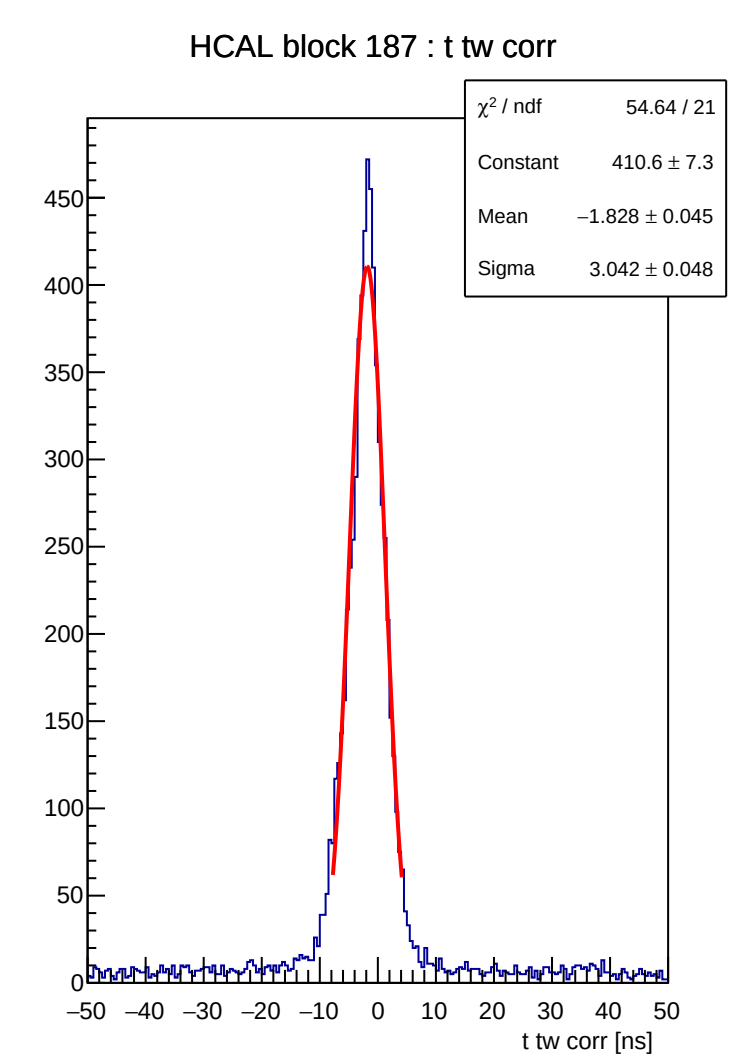

HCAL block 185 : t
χ² / ndf 103.9 / 25
Constant 202.6 ± 4.8
Mean 4.282 ± 0.069
Sigma 3.473 ± 0.072
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

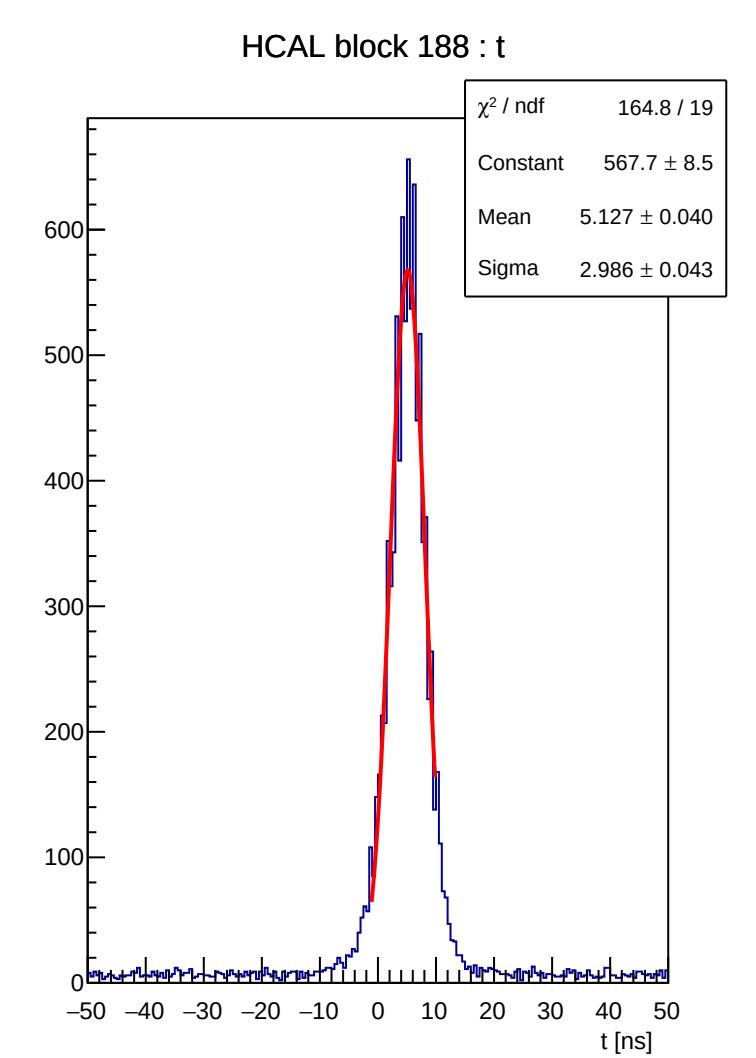

HCAL block 185 : t tw corr
χ² / ndf 34.87 / 25
Constant 214 ± 4.9
Mean –3.737 ± 0.066
Sigma 3.281 ± 0.061
240
220
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

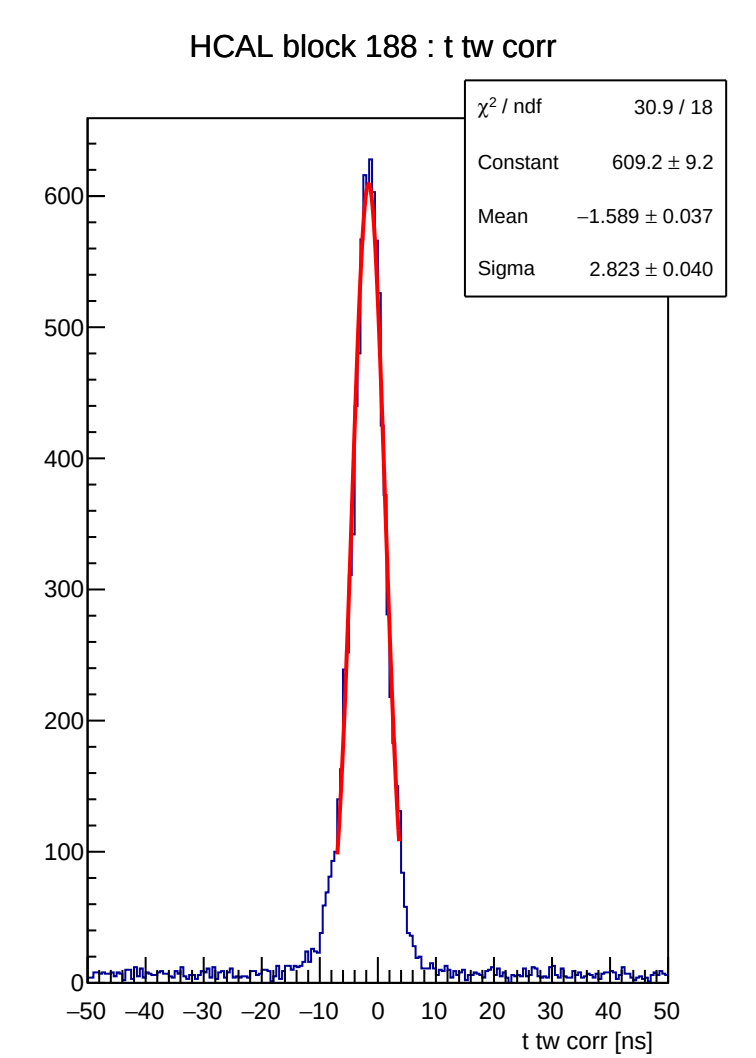

HCAL block 186 : t
χ² / ndf 86.29 / 27
Constant 234.7 ± 4.9
Mean 5.279 ± 0.066
Sigma 3.659 ± 0.067
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

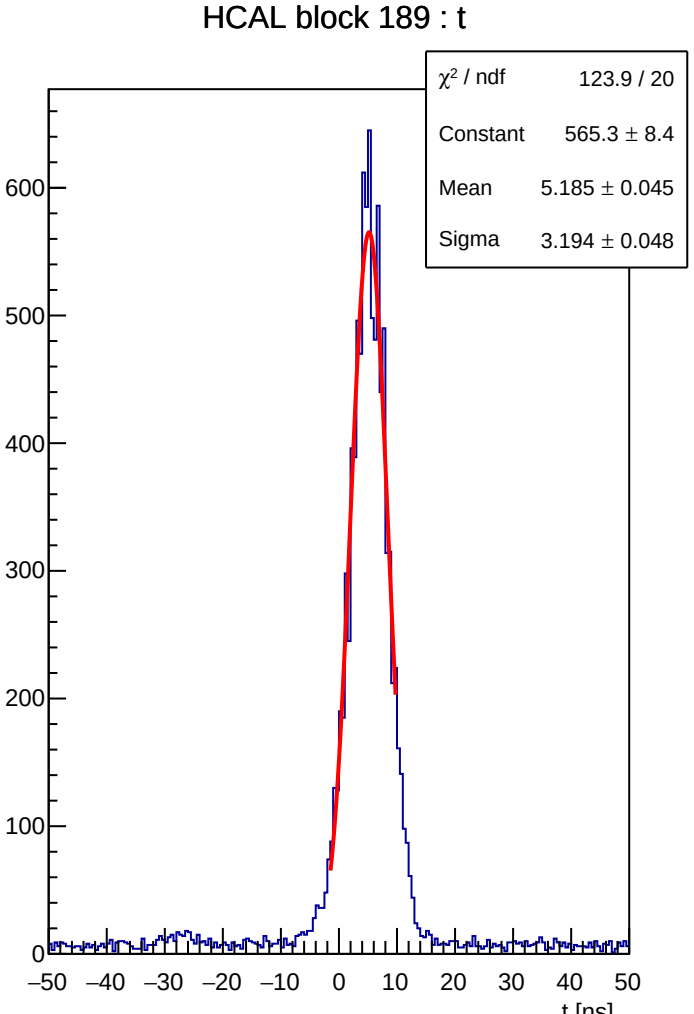

HCAL block 186 : t tw corr
χ² / ndf 64.44 / 27
Constant 255.7 ± 5.3
Mean –2.157 ± 0.057
Sigma 3.329 ± 0.054
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

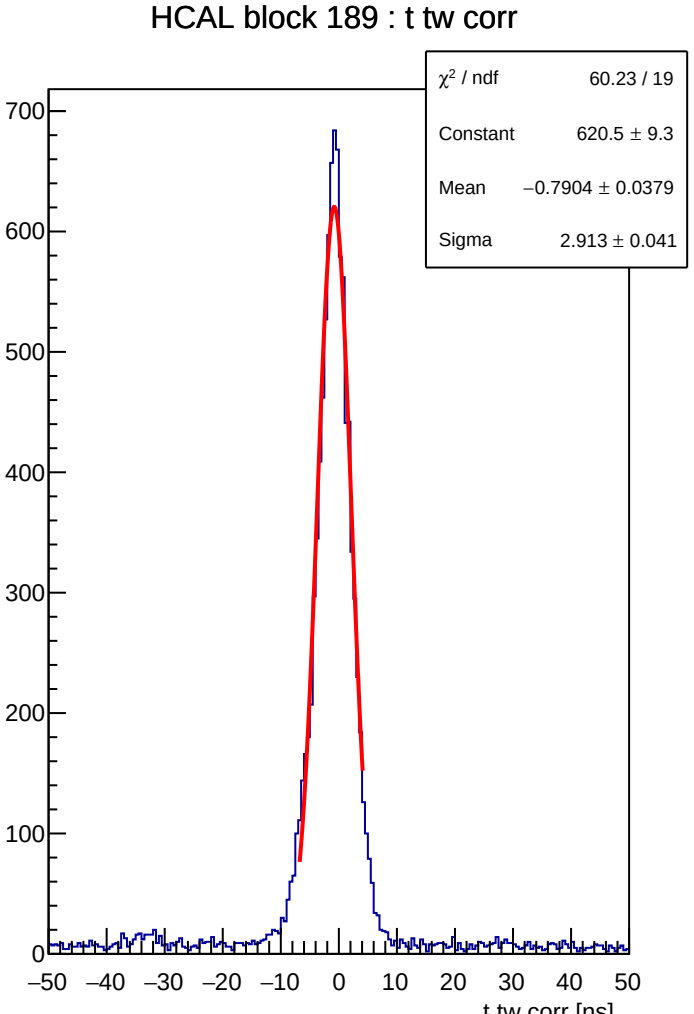

HCAL block 187 : t
χ² / ndf 183.9 / 22
Constant 382.5 ± 6.9
Mean 4.874 ± 0.051
Sigma 3.245 ± 0.056
t [ns]

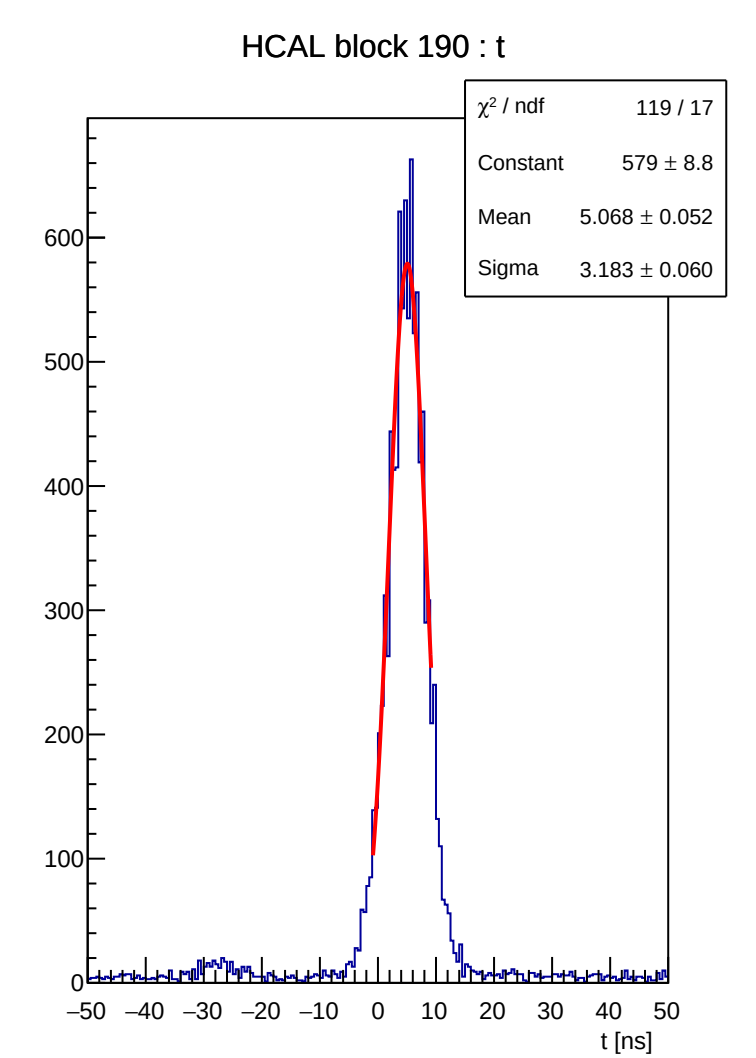

HCAL block 187 : t tw corr
χ² / ndf 54.64 / 21
Constant 410.6 ± 7.3
Mean −1.828 ± 0.045
Sigma 3.042 ± 0.048
t tw corr [ns]

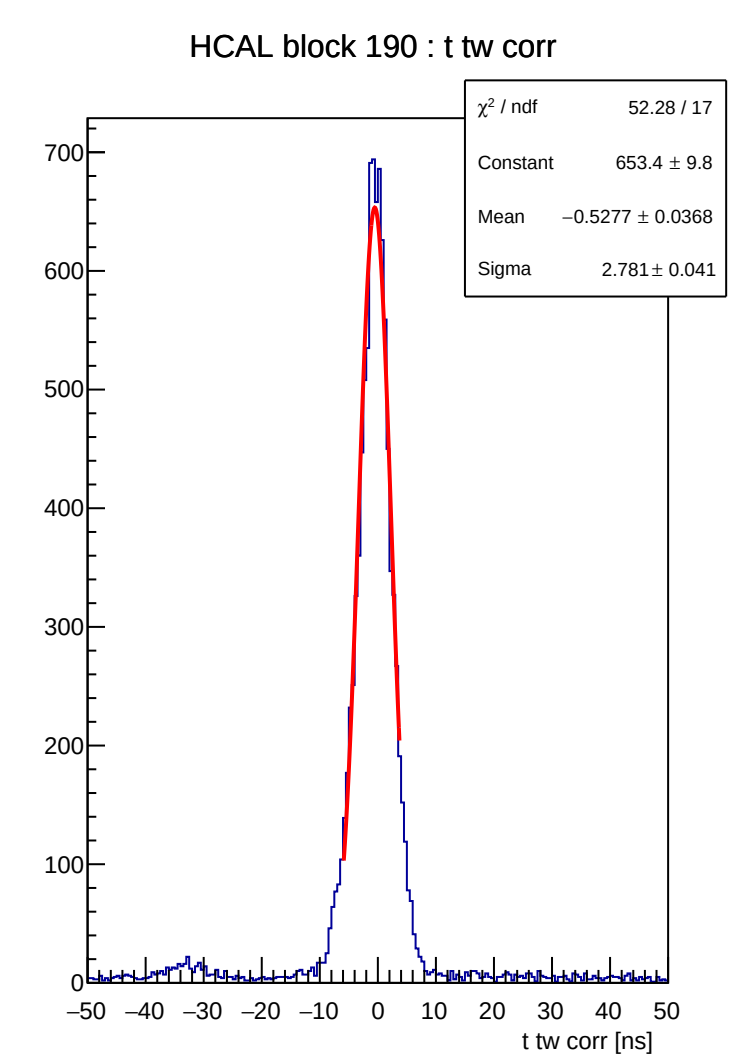

HCAL block 188 : t
χ² / ndf 164.8 / 19
Constant 567.7 ± 8.5
Mean 5.127 ± 0.040
Sigma 2.986 ± 0.043
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

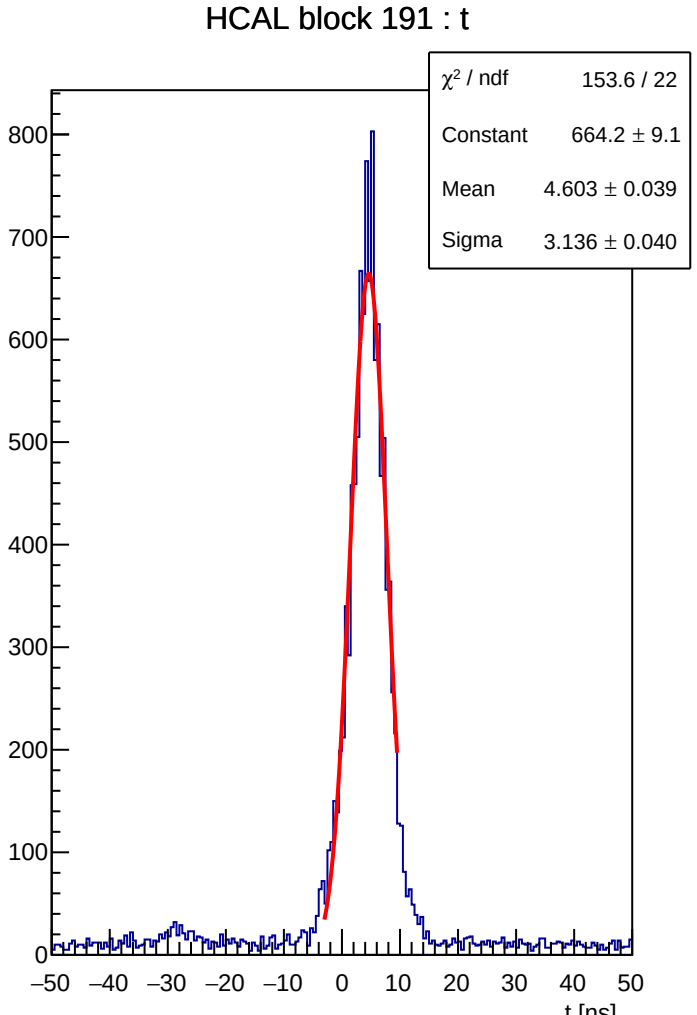

HCAL block 188 : t tw corr
χ² / ndf 30.9 / 18
Constant 609.2 ± 9.2
Mean –1.589 ± 0.037
Sigma 2.823 ± 0.040
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

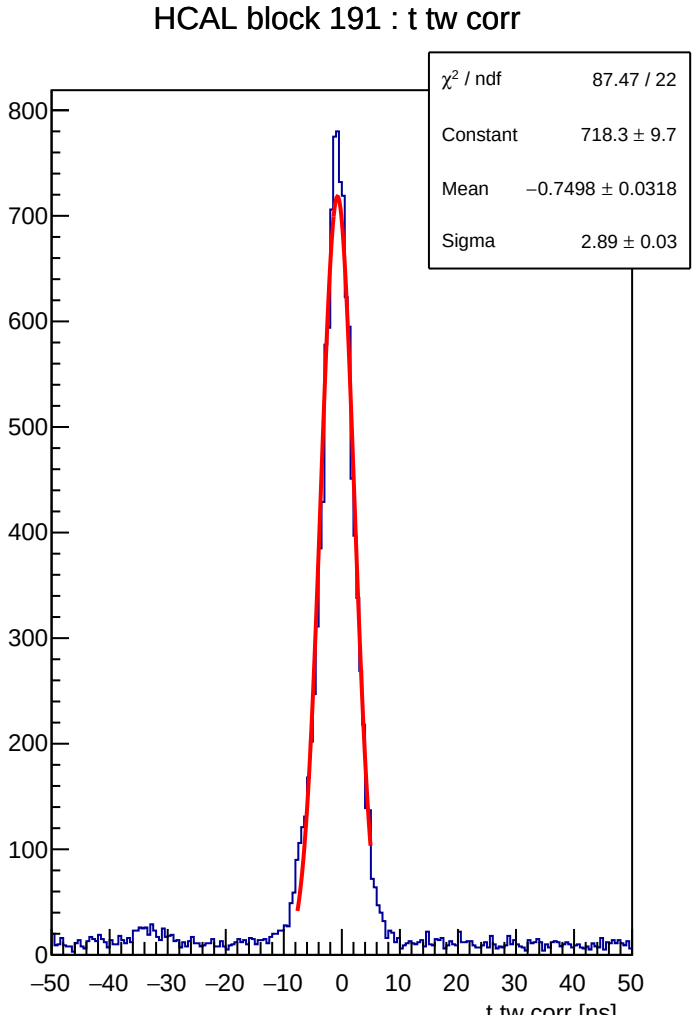

HCAL block 189 : t
χ² / ndf 123.9 / 20
Constant 565.3 ± 8.4
Mean 5.185 ± 0.045
Sigma 3.194 ± 0.048
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

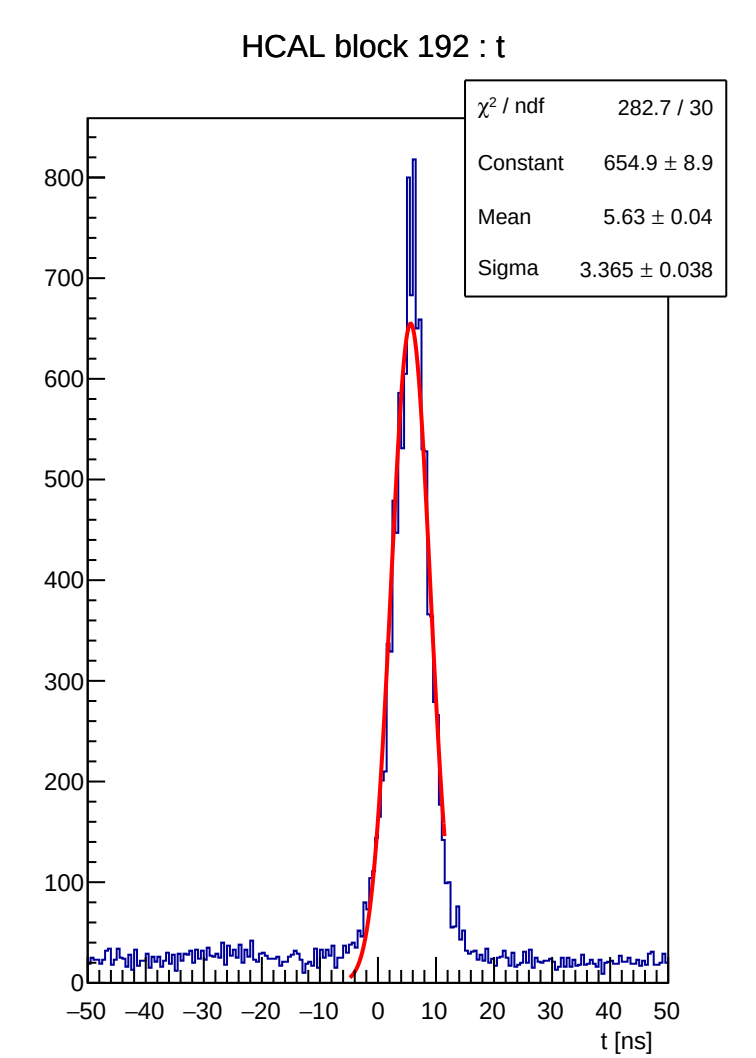

HCAL block 189 : t tw corr
χ² / ndf 60.23 / 19
Constant 620.5 ± 9.3
Mean −0.7904 ± 0.0379
Sigma 2.913 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

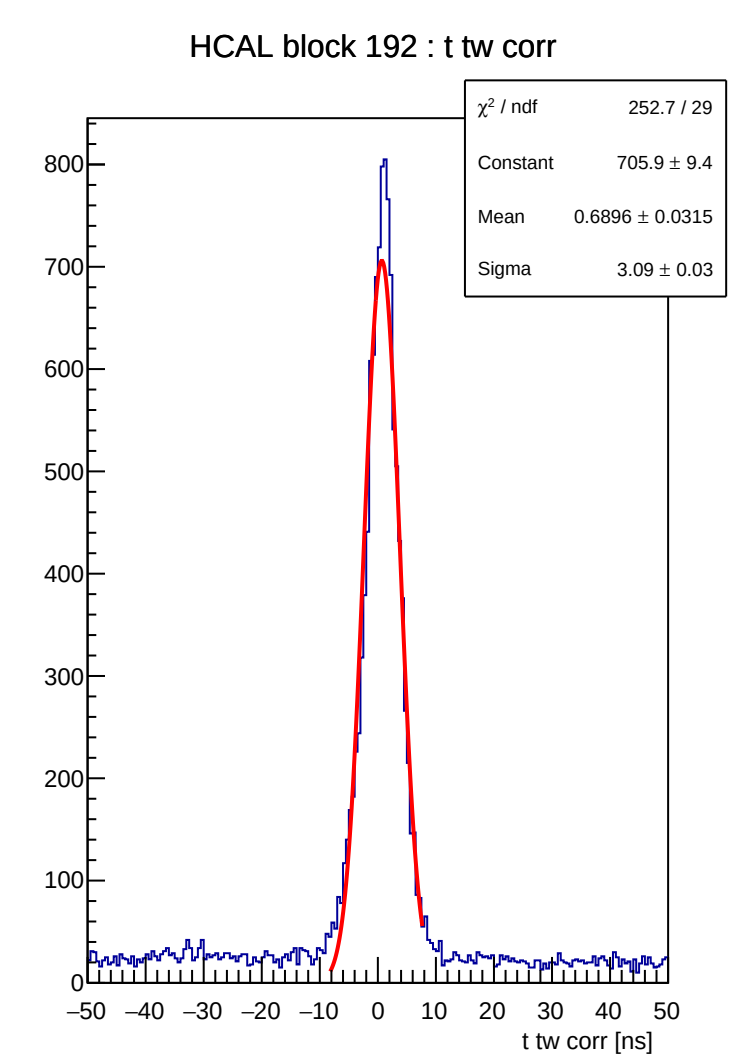

HCAL block 190 : t
χ² / ndf 119 / 17
Constant 579 ± 8.8
Mean 5.068 ± 0.052
Sigma 3.183 ± 0.060
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

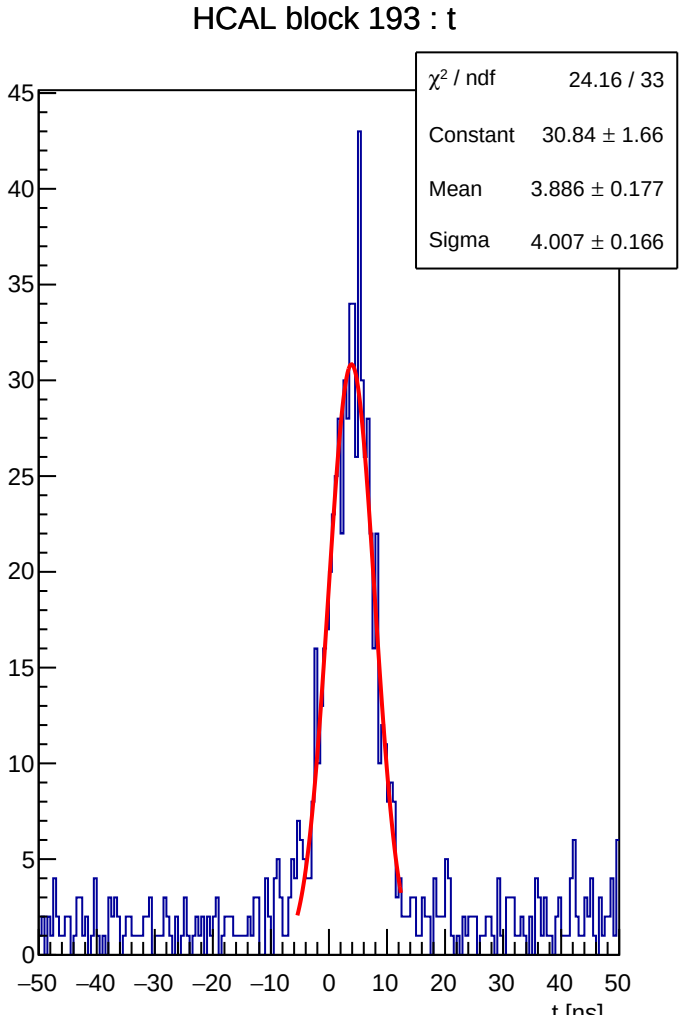

HCAL block 190 : t tw corr
χ² / ndf 52.28 / 17
Constant 653.4 ± 9.8
Mean −0.5277 ± 0.0368
Sigma 2.781 ± 0.041
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

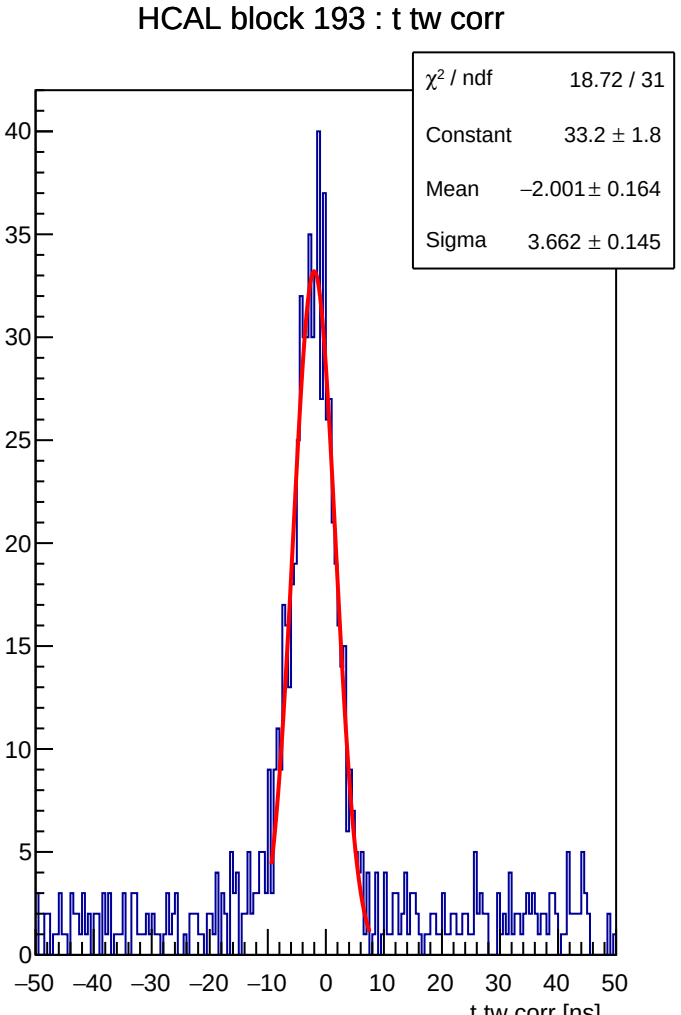

HCAL block 191 : t
χ² / ndf 153.6 / 22
Constant 664.2 ± 9.1
Mean 4.603 ± 0.039
Sigma 3.136 ± 0.040
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

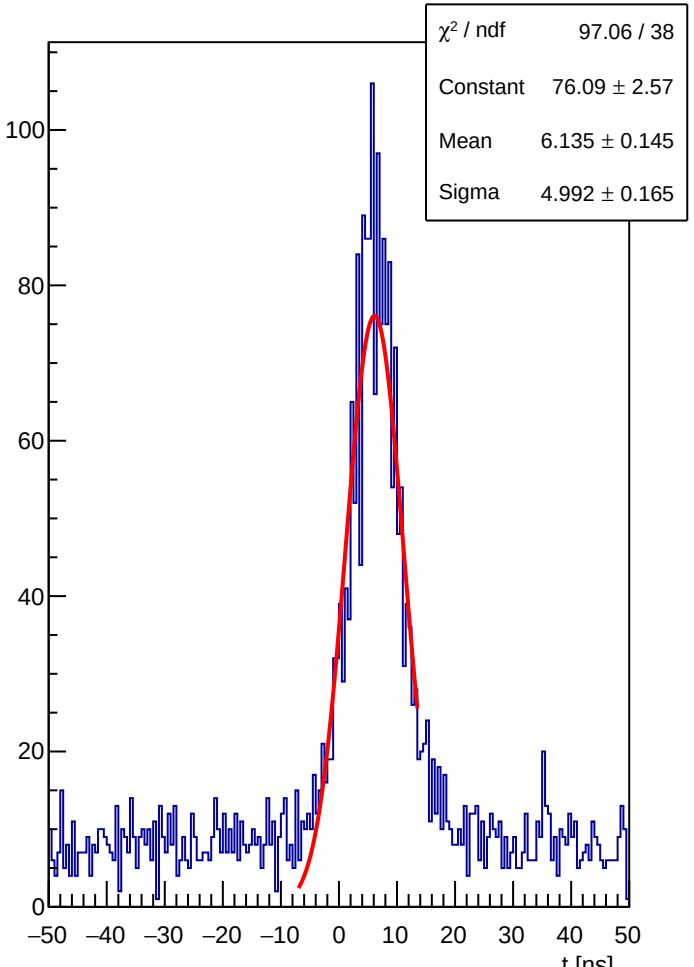

HCAL block 191 : t tw corr
χ² / ndf 87.47 / 22
Constant 718.3 ± 9.7
Mean −0.7498 ± 0.0318
Sigma 2.89 ± 0.03
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

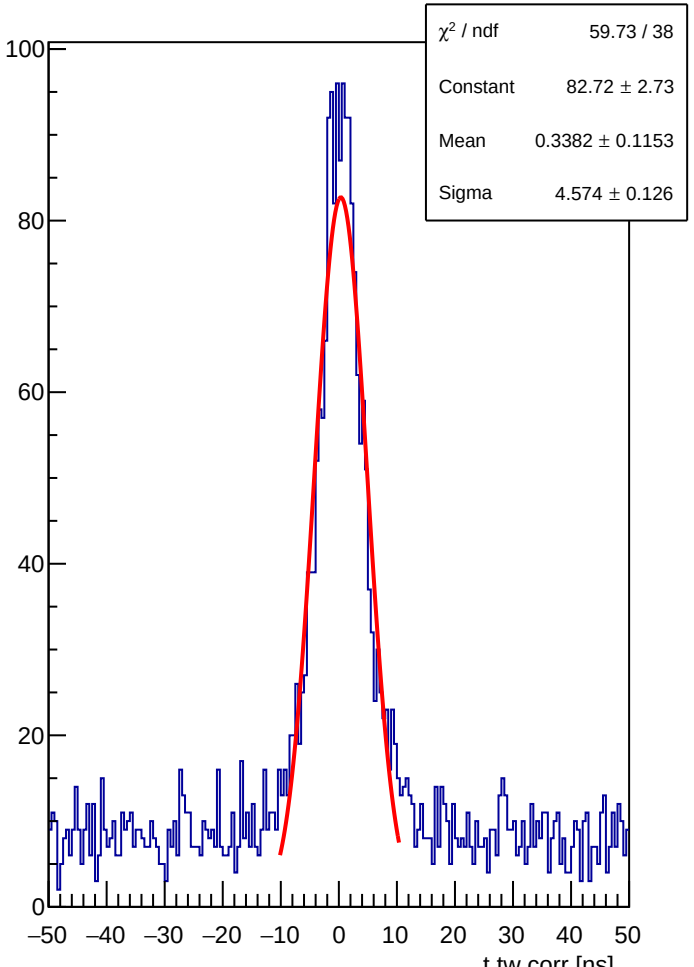

HCAL block 192 : t
χ² / ndf 282.7 / 30
Constant 654.9 ± 8.9
Mean 5.63 ± 0.04
Sigma 3.365 ± 0.038
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

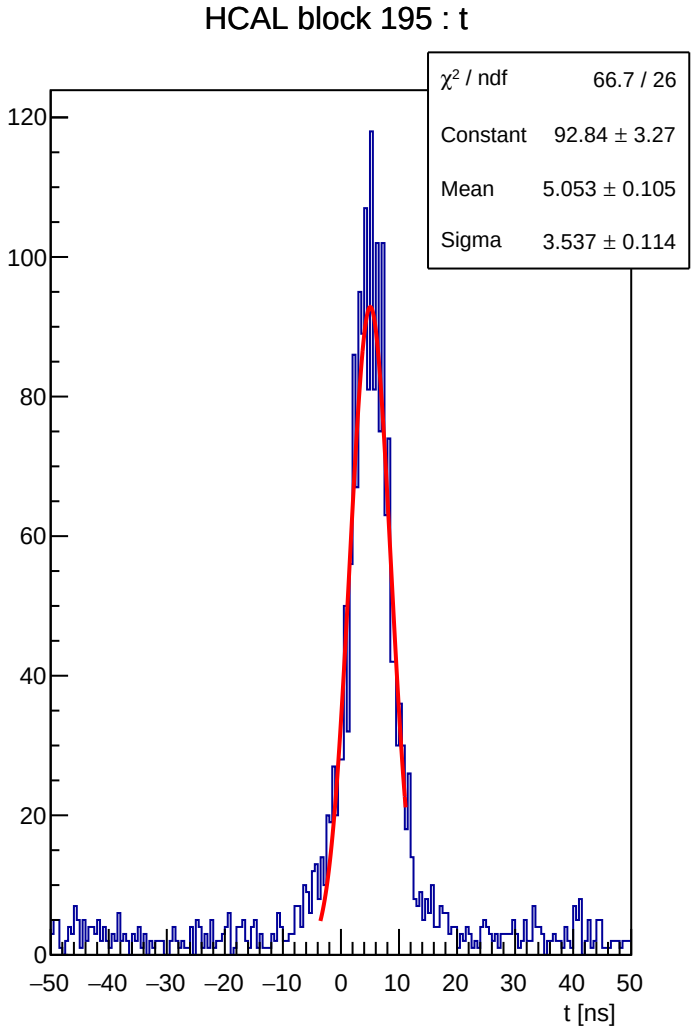

HCAL block 192 : t tw corr
χ² / ndf 252.7 / 29
Constant 705.9 ± 9.4
Mean 0.6896 ± 0.0315
Sigma 3.09 ± 0.03
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

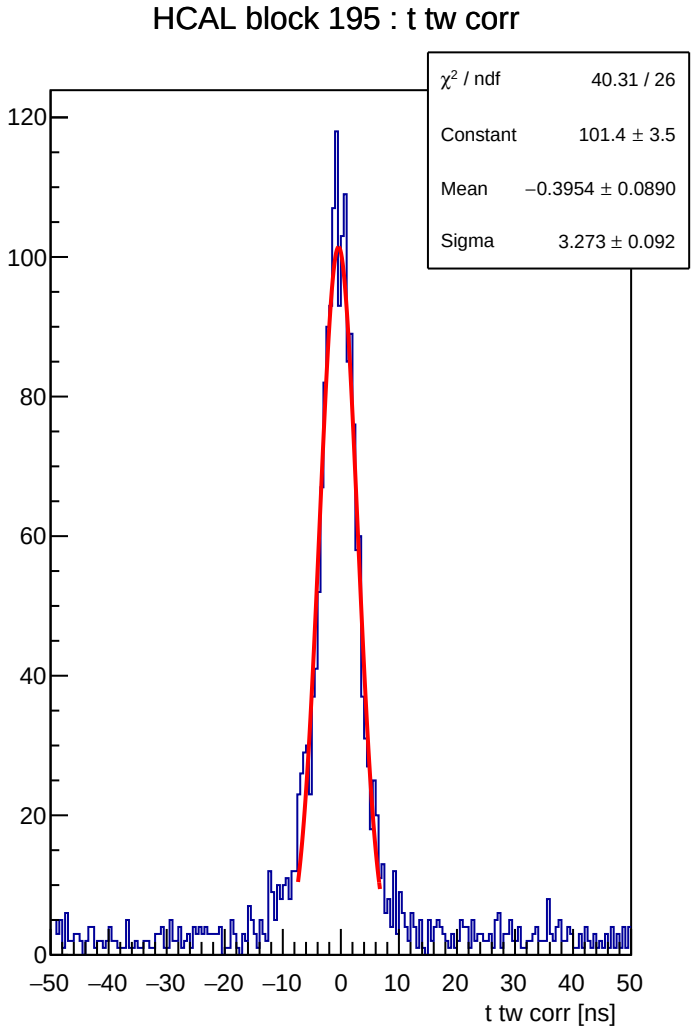

HCAL block 193 : t
χ² / ndf 24.16 / 33
Constant 30.84 ± 1.66
Mean 3.886 ± 0.177
Sigma 4.007 ± 0.166
t [ns]

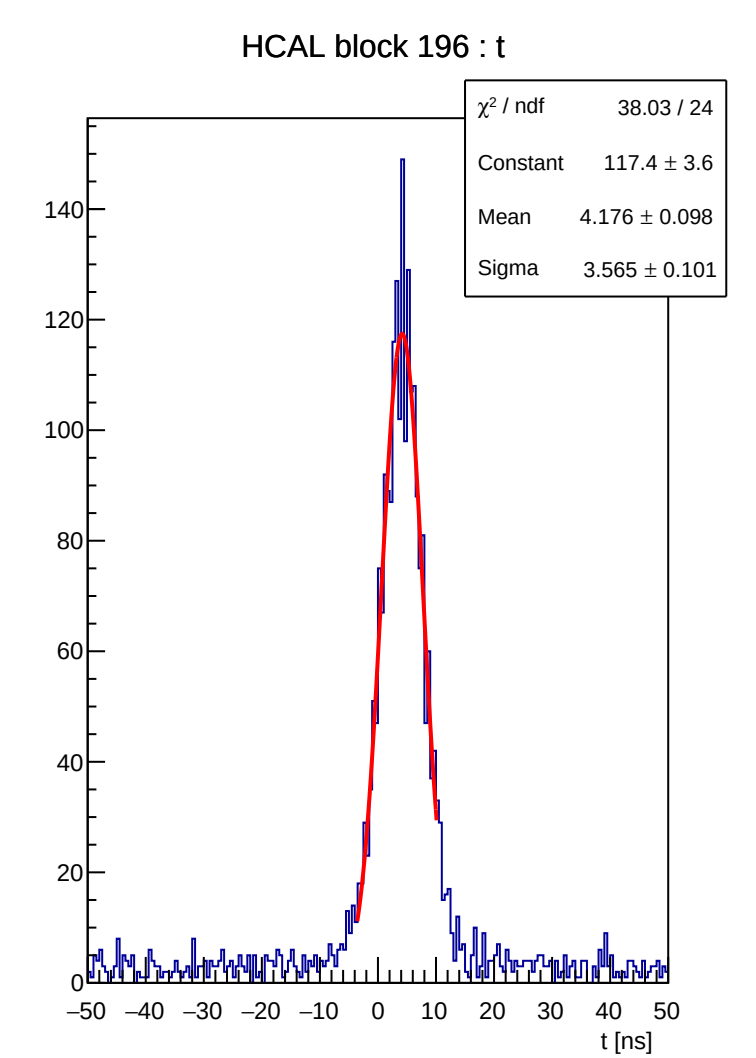

HCAL block 193 : t tw corr
χ² / ndf 18.72 / 31
Constant 33.2 ± 1.8
Mean −2.001 ± 0.164
Sigma 3.662 ± 0.145
t tw corr [ns]

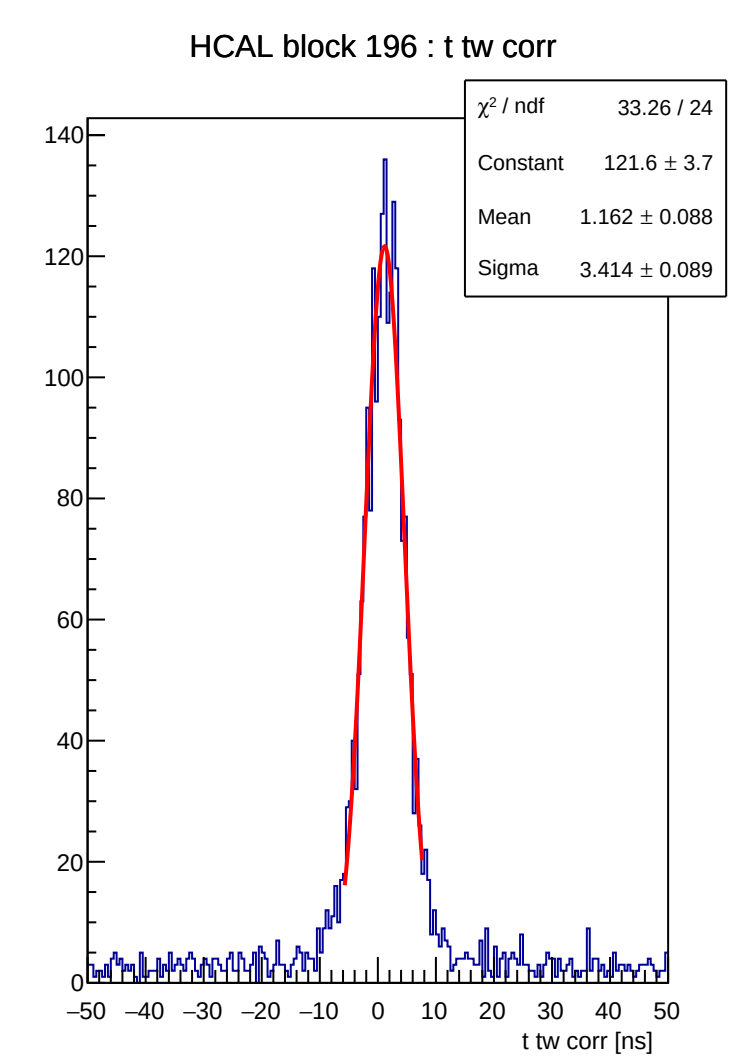

HCAL block 194 : t
χ² / ndf 97.06 / 38
Constant 76.09 ± 2.57
Mean 6.135 ± 0.145
Sigma 4.992 ± 0.165
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

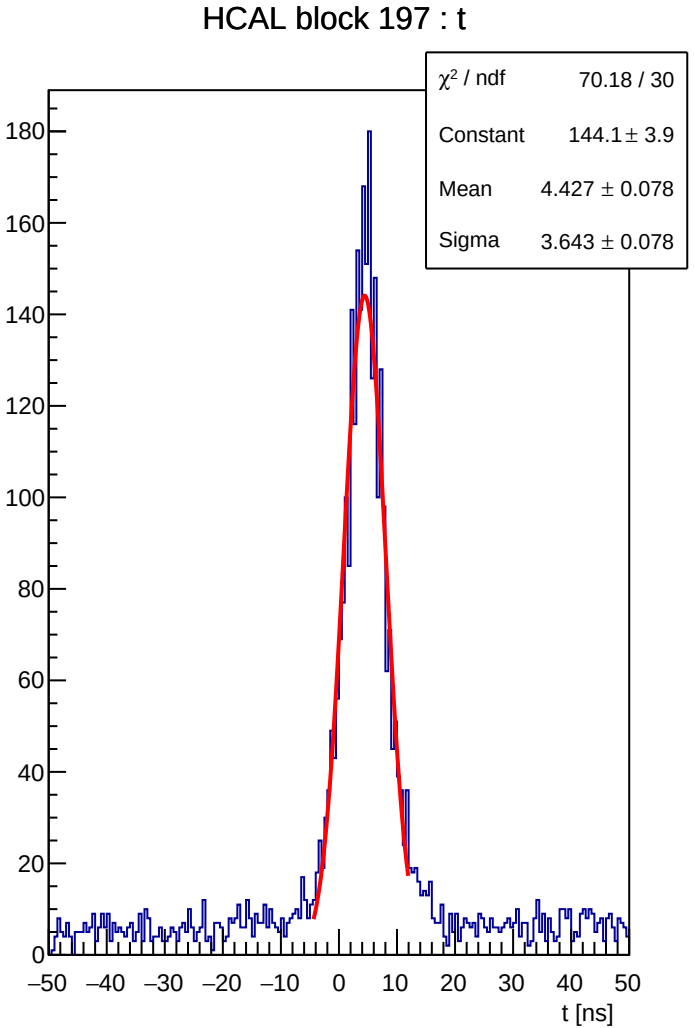

HCAL block 194 : t tw corr
χ² / ndf 59.73 / 38
Constant 82.72 ± 2.73
Mean 0.3382 ± 0.1153
Sigma 4.574 ± 0.126
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

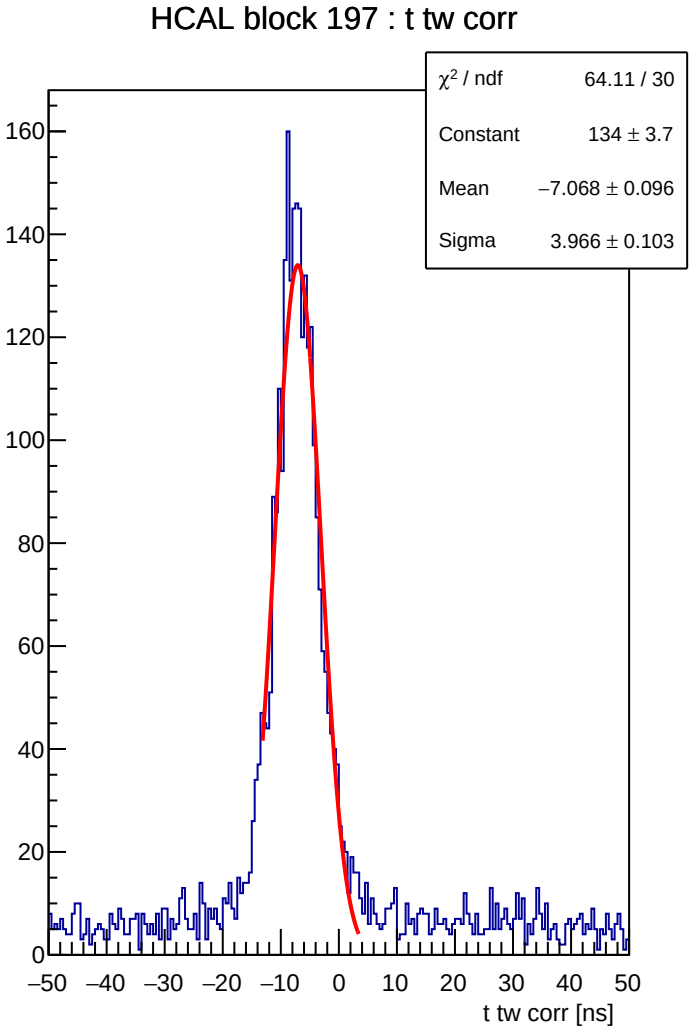

HCAL block 195 : t
χ² / ndf 66.7 / 26
Constant 92.84 ± 3.27
Mean 5.053 ± 0.105
Sigma 3.537 ± 0.114
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

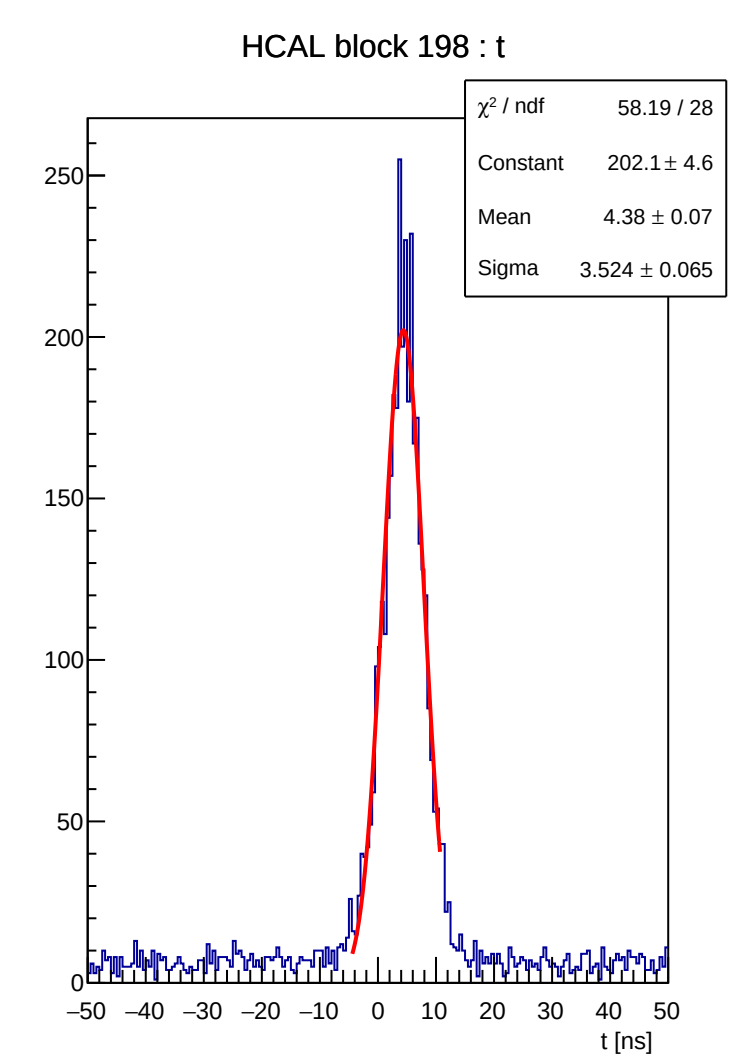

HCAL block 195 : t tw corr
χ² / ndf 40.31 / 26
Constant 101.4 ± 3.5
Mean −0.3954 ± 0.0890
Sigma 3.273 ± 0.092
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

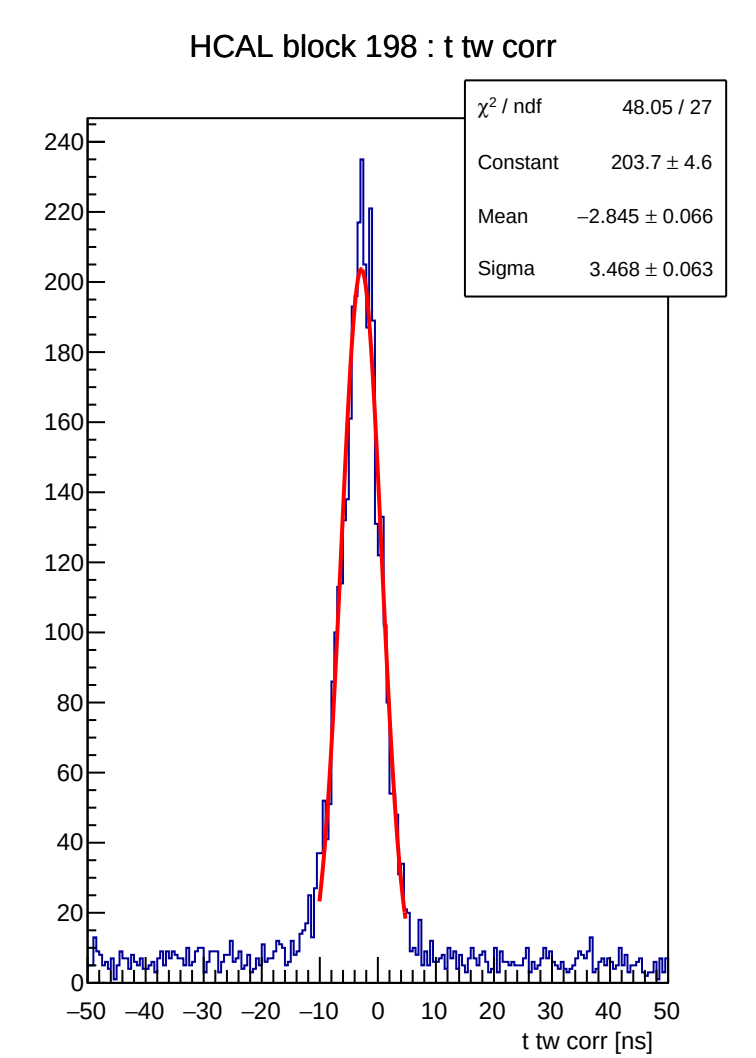

HCAL block 196 : t
χ² / ndf 38.03 / 24
Constant 117.4 ± 3.6
Mean 4.176 ± 0.098
Sigma 3.565 ± 0.101
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

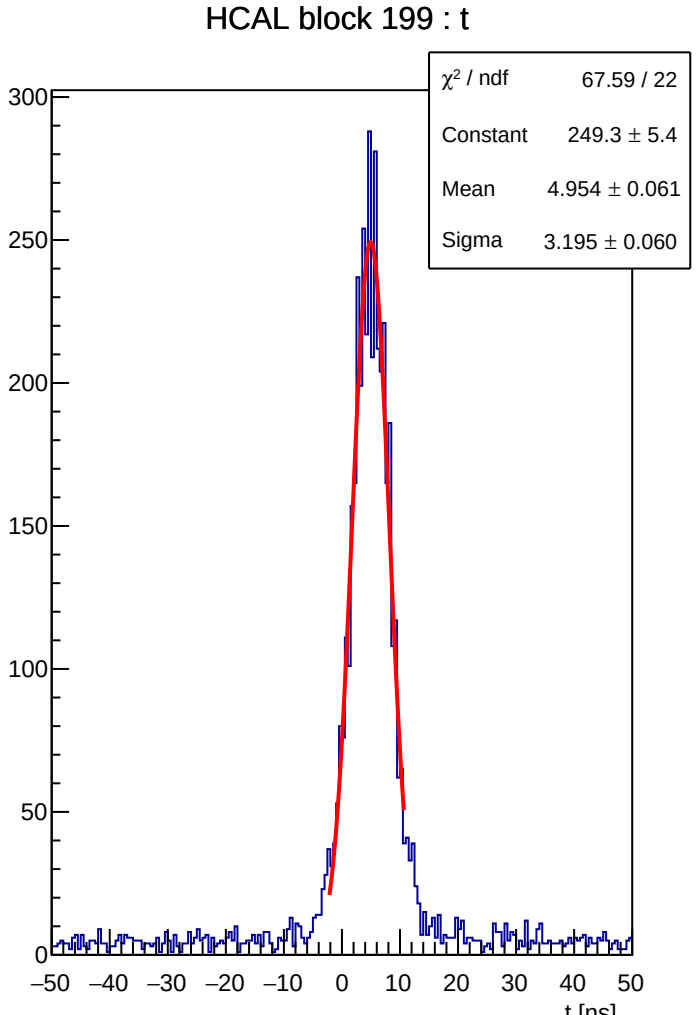

HCAL block 196 : t tw corr
χ² / ndf 33.26 / 24
Constant 121.6 ± 3.7
Mean 1.162 ± 0.088
Sigma 3.414 ± 0.089
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

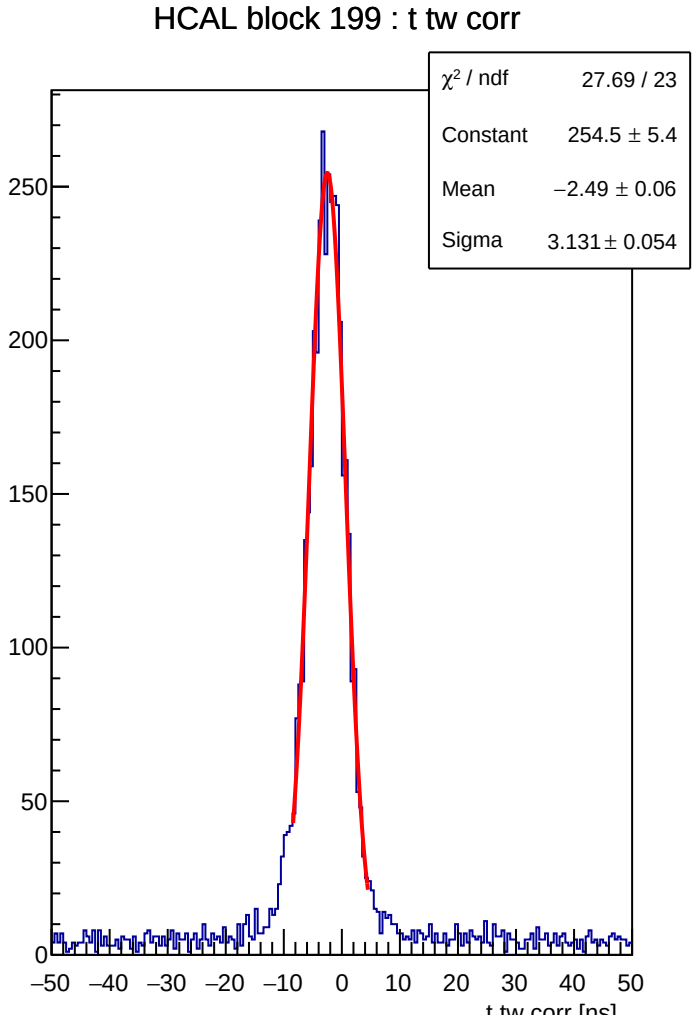

HCAL block 197 : t
χ² / ndf 70.18 / 30
Constant 144.1 ± 3.9
Mean 4.427 ± 0.078
Sigma 3.643 ± 0.078
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

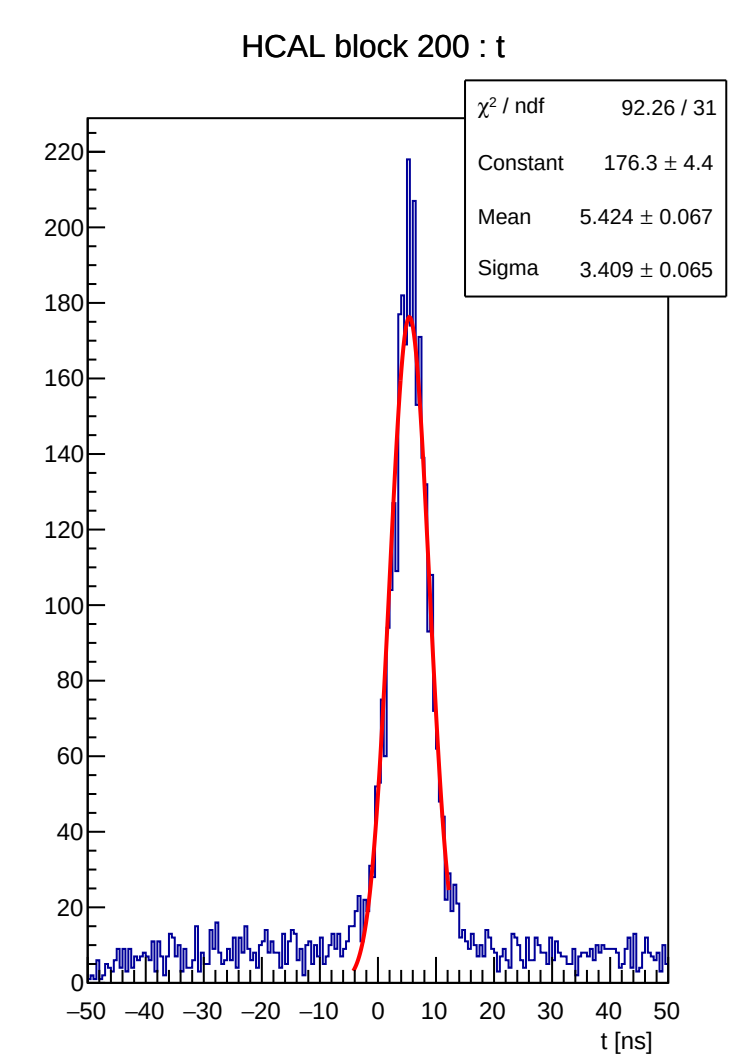

HCAL block 197 : t tw corr
χ² / ndf 64.11 / 30
Constant 134 ± 3.7
Mean –7.068 ± 0.096
Sigma 3.966 ± 0.103
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

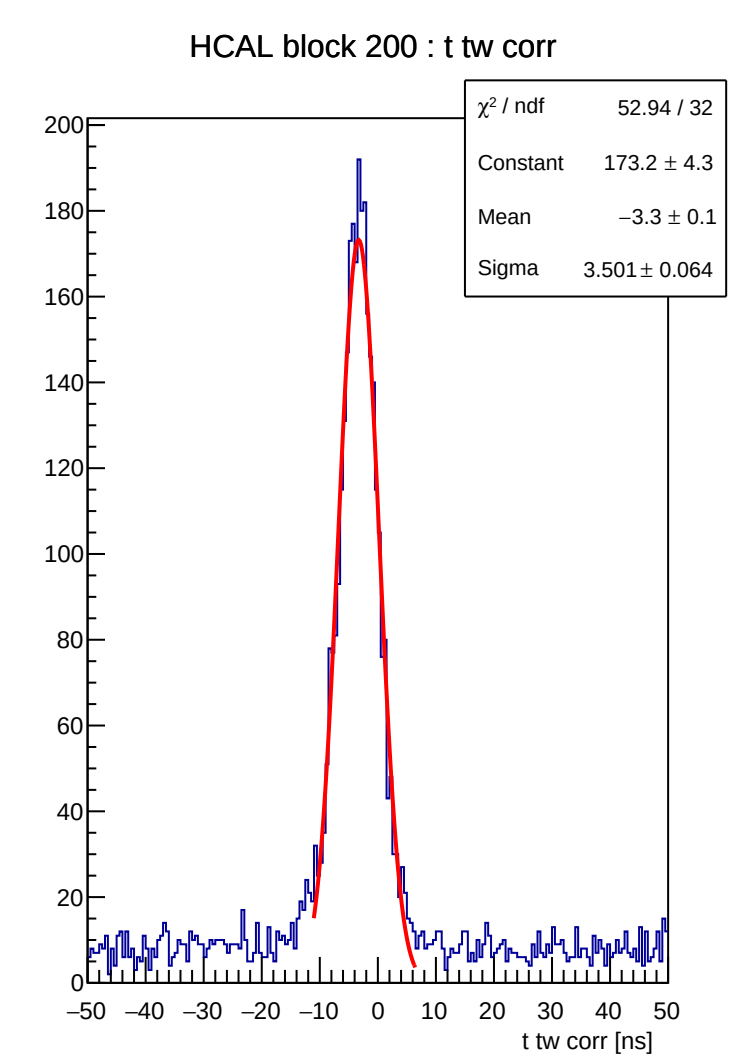

HCAL block 198 : t
χ² / ndf 58.19 / 28
Constant 202.1 ± 4.6
Mean 4.38 ± 0.07
Sigma 3.524 ± 0.065
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

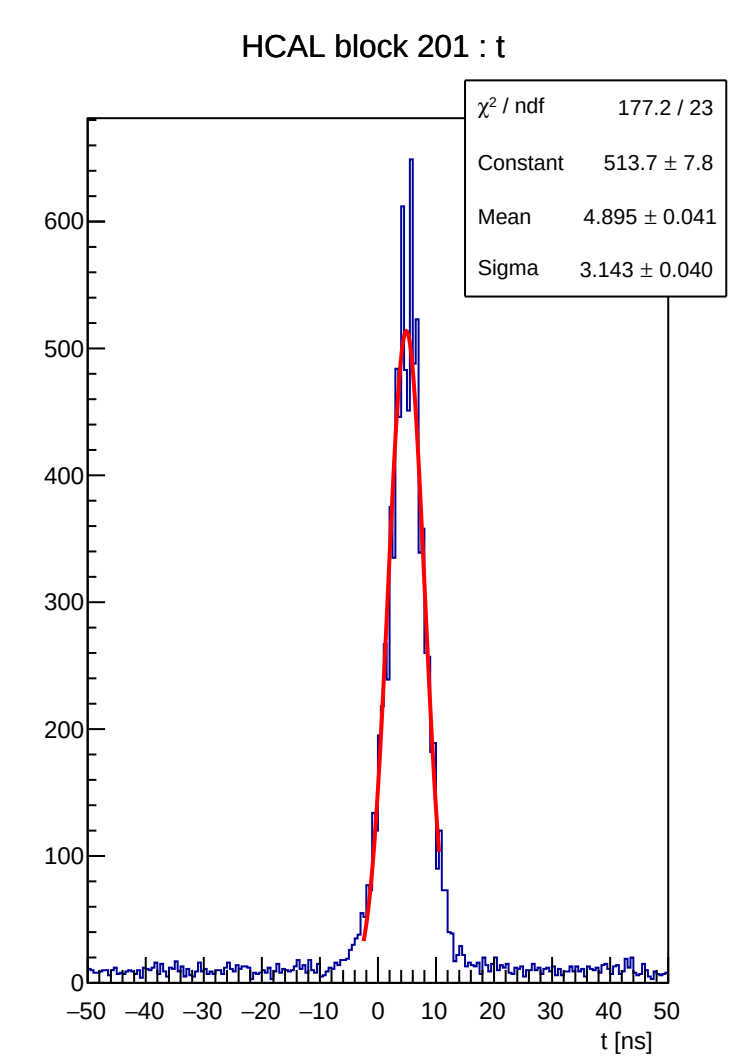

HCAL block 198 : t tw corr
χ² / ndf 48.05 / 27
Constant 203.7 ± 4.6
Mean –2.845 ± 0.066
Sigma 3.468 ± 0.063
240
220
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

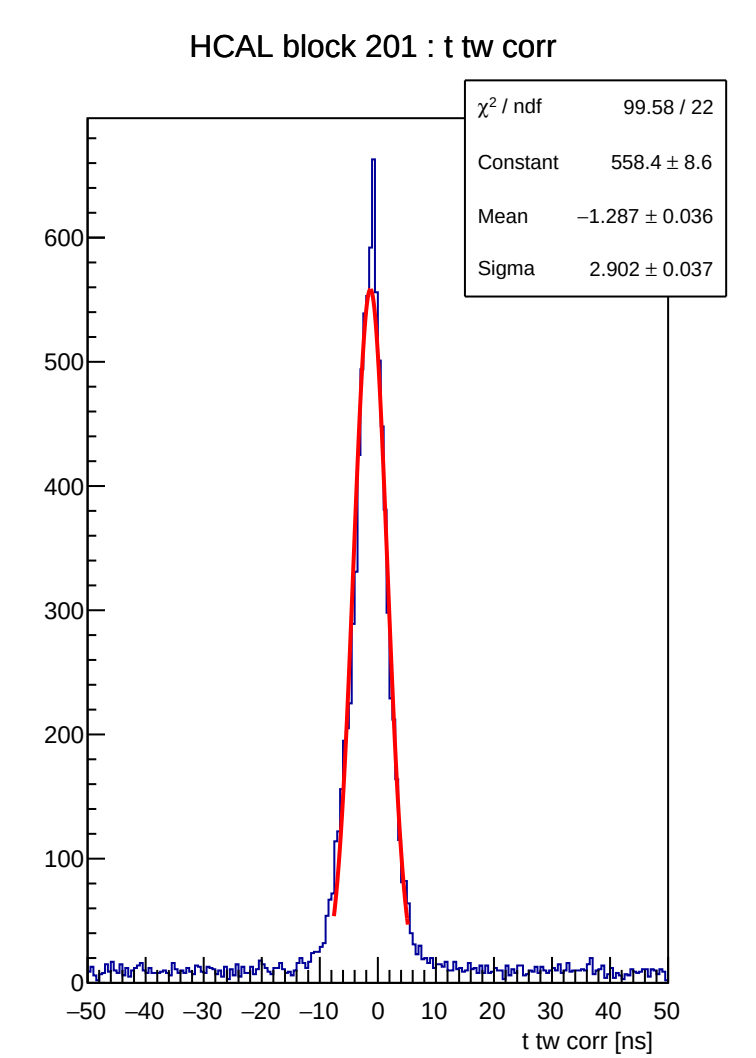

HCAL block 199 : t
χ² / ndf 67.59 / 22
Constant 249.3 ± 5.4
Mean 4.954 ± 0.061
Sigma 3.195 ± 0.060
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

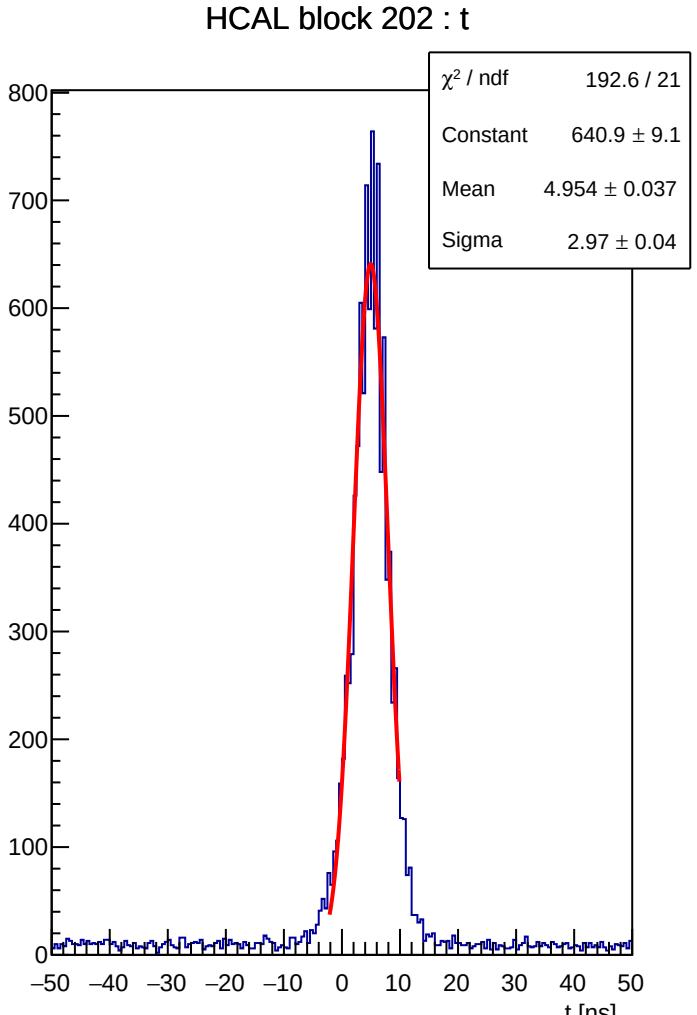

HCAL block 199 : t tw corr
χ² / ndf 27.69 / 23
Constant 254.5 ± 5.4
Mean –2.49 ± 0.06
Sigma 3.131 ± 0.054
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

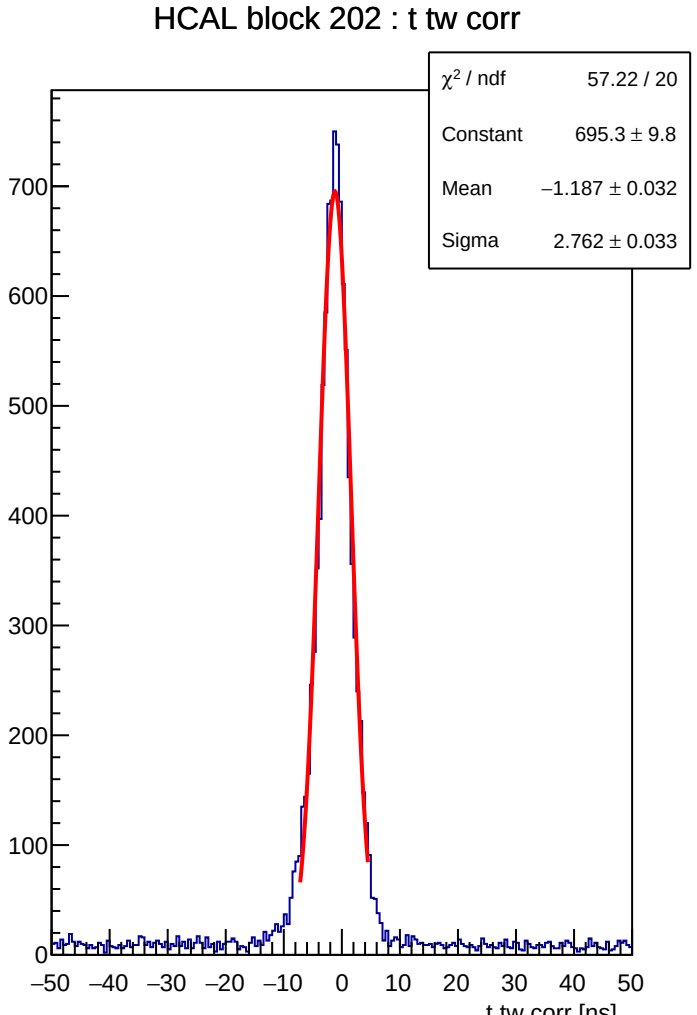

HCAL block 200 : t
χ² / ndf 92.26 / 31
Constant 176.3 ± 4.4
Mean 5.424 ± 0.067
Sigma 3.409 ± 0.065
t [ns]

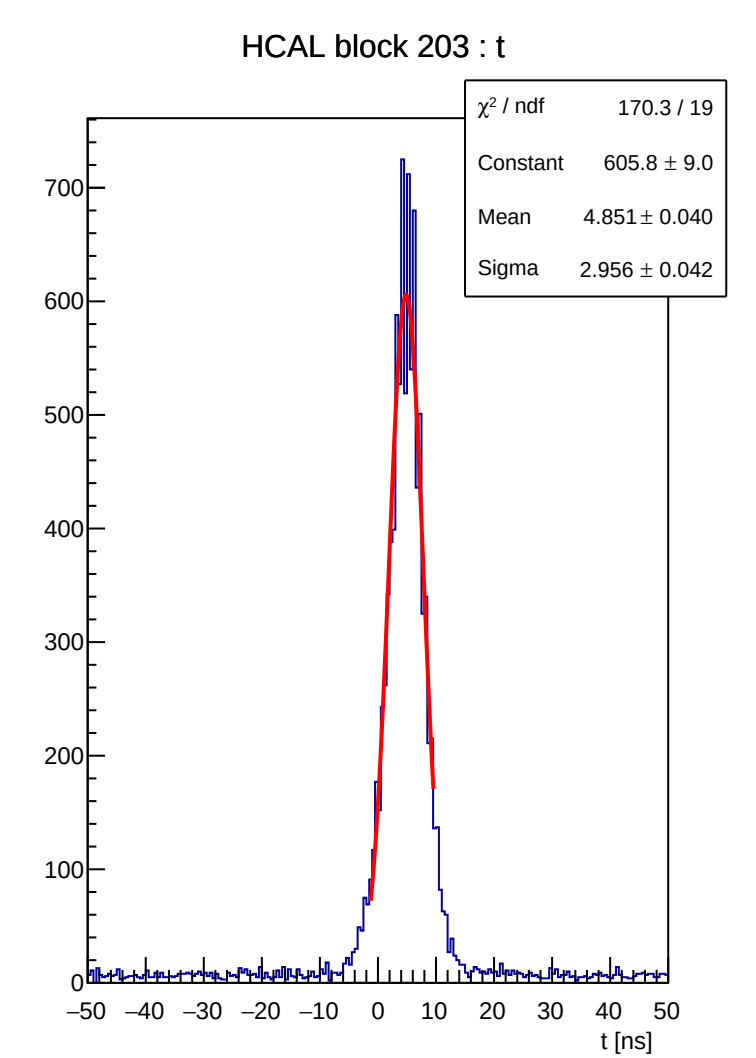

HCAL block 200 : t tw corr
χ² / ndf 52.94 / 32
Constant 173.2 ± 4.3
Mean −3.3 ± 0.1
Sigma 3.501 ± 0.064
t tw corr [ns]

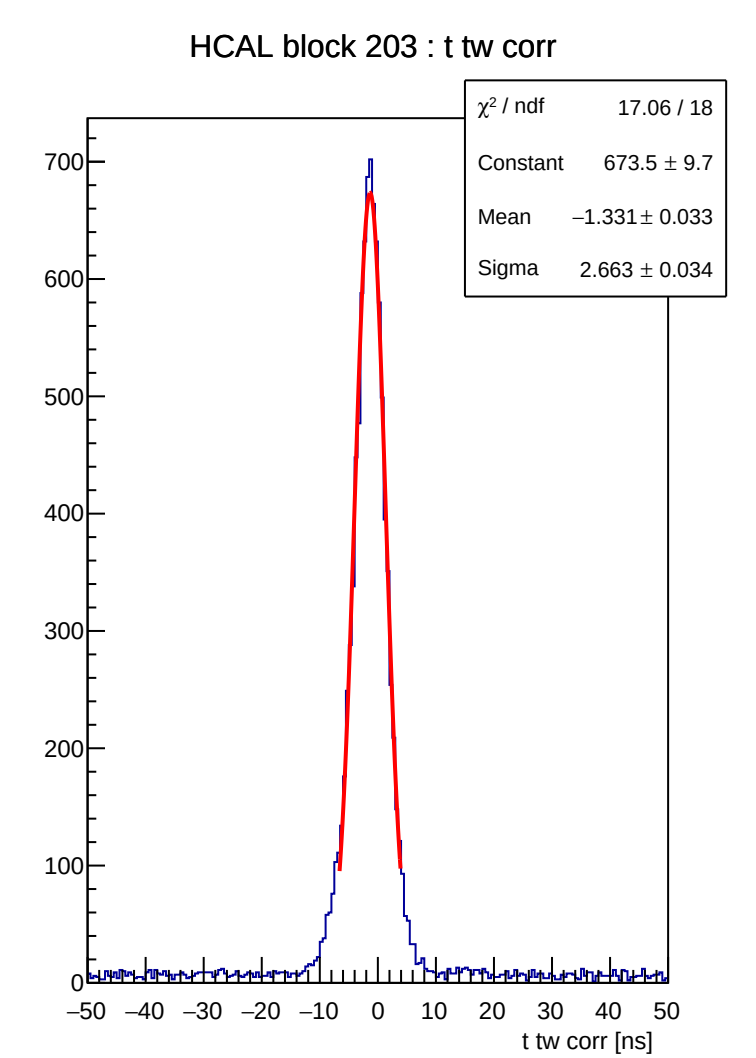

HCAL block 201 : t
χ² / ndf 177.2 / 23
Constant 513.7 ± 7.8
Mean 4.895 ± 0.041
Sigma 3.143 ± 0.040
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

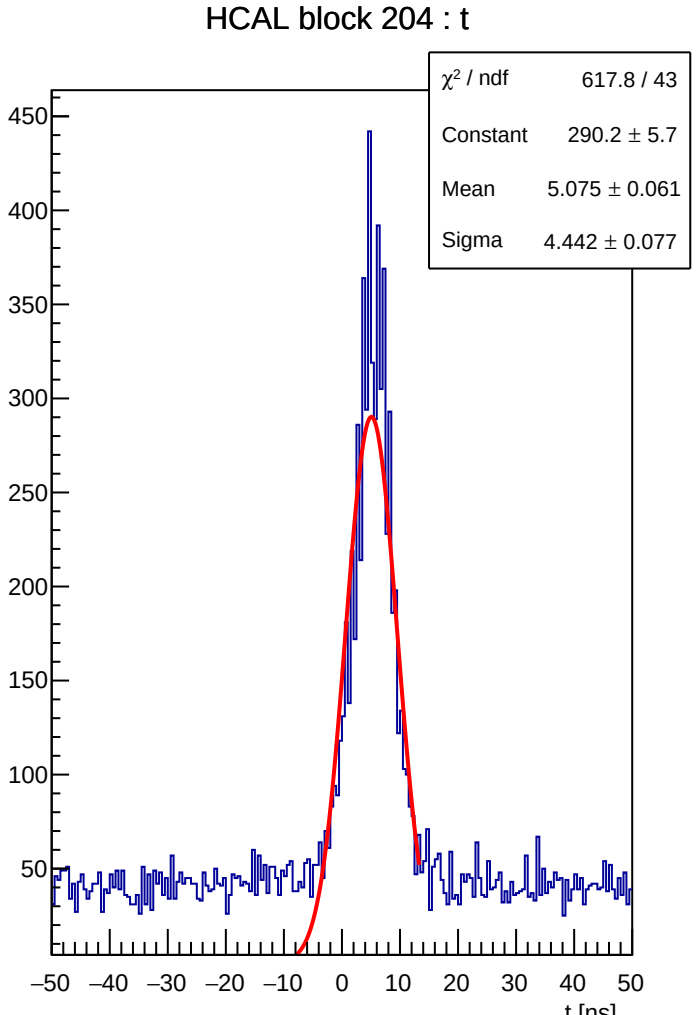

HCAL block 201 : t tw corr
χ² / ndf 99.58 / 22
Constant 558.4 ± 8.6
Mean –1.287 ± 0.036
Sigma 2.902 ± 0.037
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

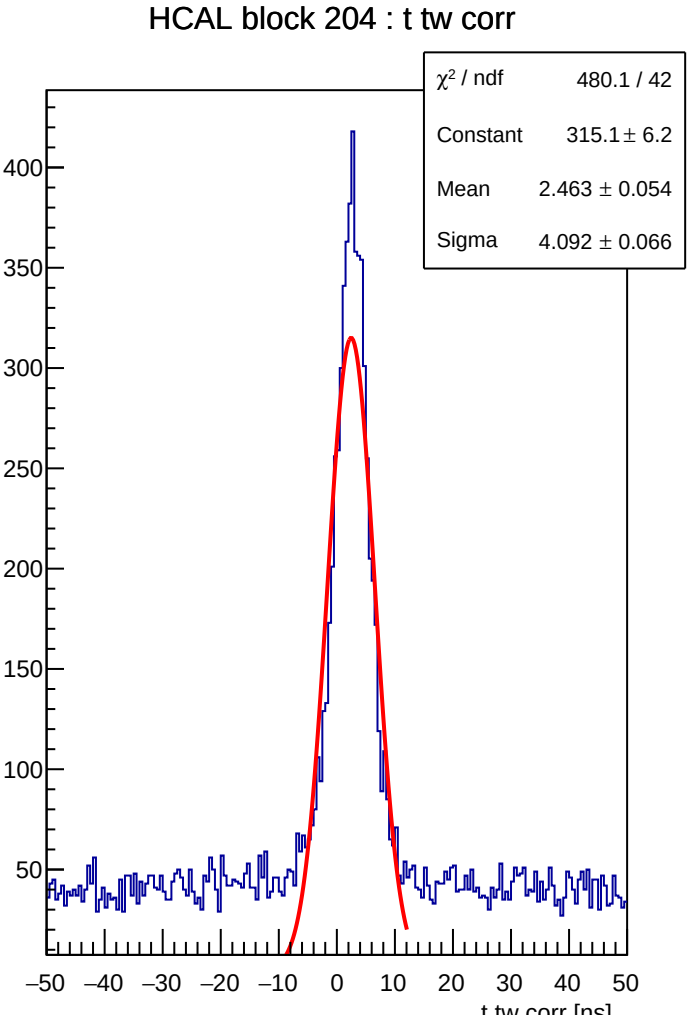

HCAL block 202 : t
χ² / ndf 192.6 / 21
Constant 640.9 ± 9.1
Mean 4.954 ± 0.037
Sigma 2.97 ± 0.04
800
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

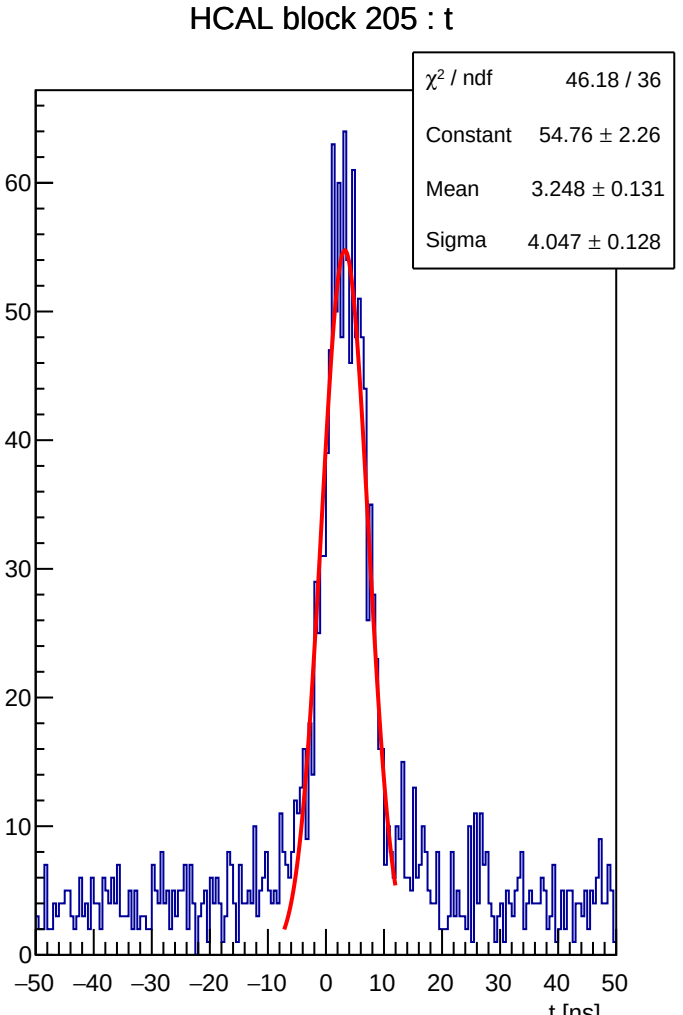

HCAL block 202 : t tw corr
χ² / ndf 57.22 / 20
Constant 695.3 ± 9.8
Mean –1.187 ± 0.032
Sigma 2.762 ± 0.033
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

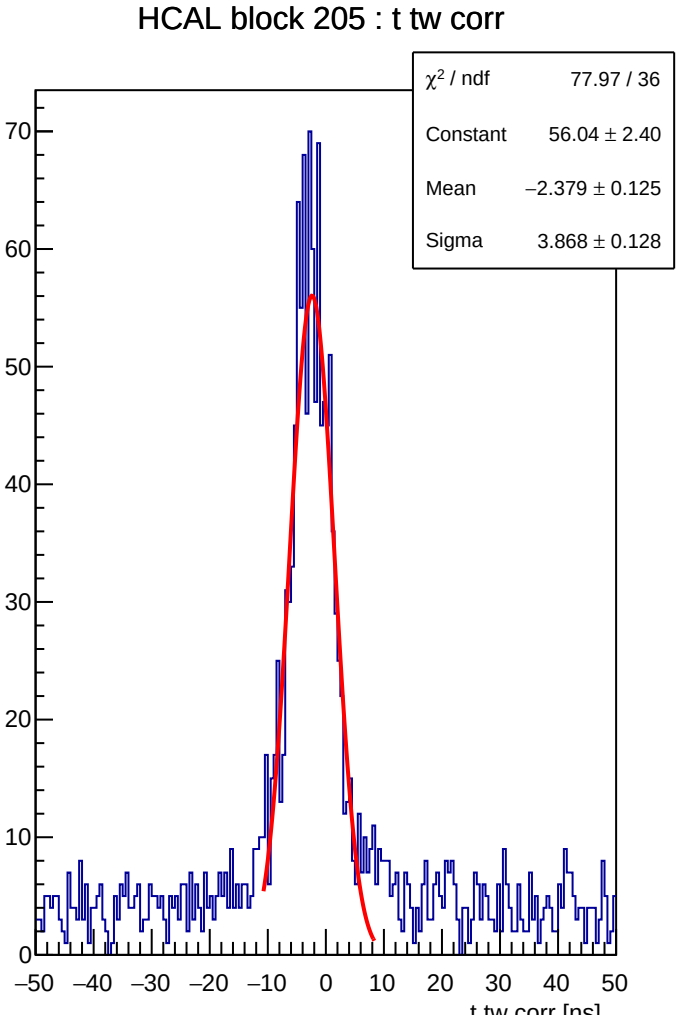

HCAL block 203 : t
χ² / ndf 170.3 / 19
Constant 605.8 ± 9.0
Mean 4.851 ± 0.040
Sigma 2.956 ± 0.042
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

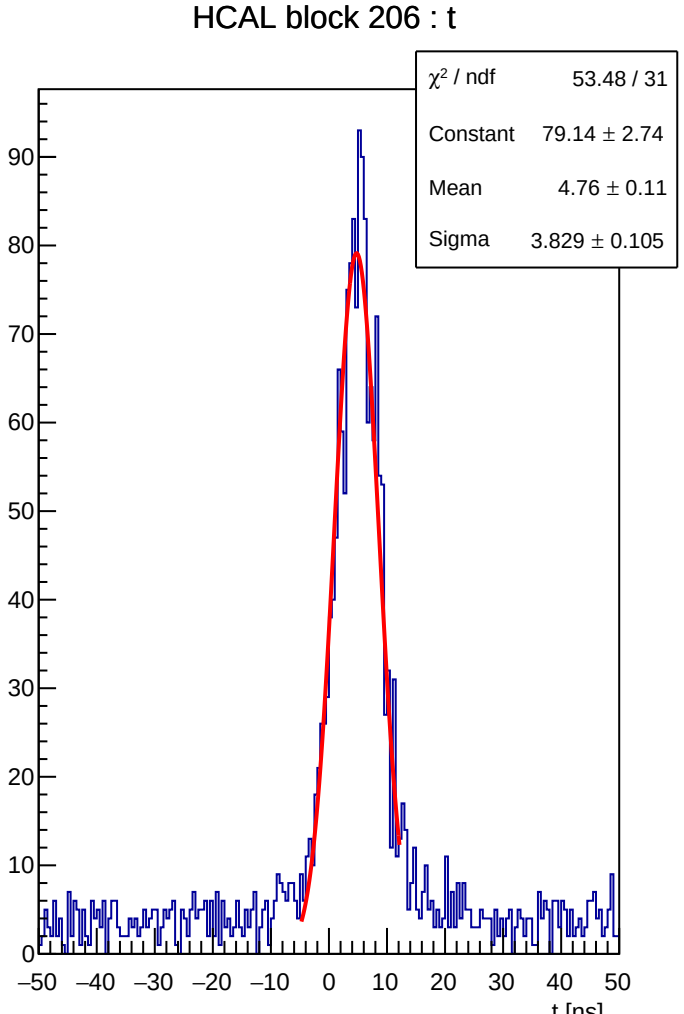

HCAL block 203 : t tw corr
χ² / ndf 17.06 / 18
Constant 673.5 ± 9.7
Mean –1.331 ± 0.033
Sigma 2.663 ± 0.034
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

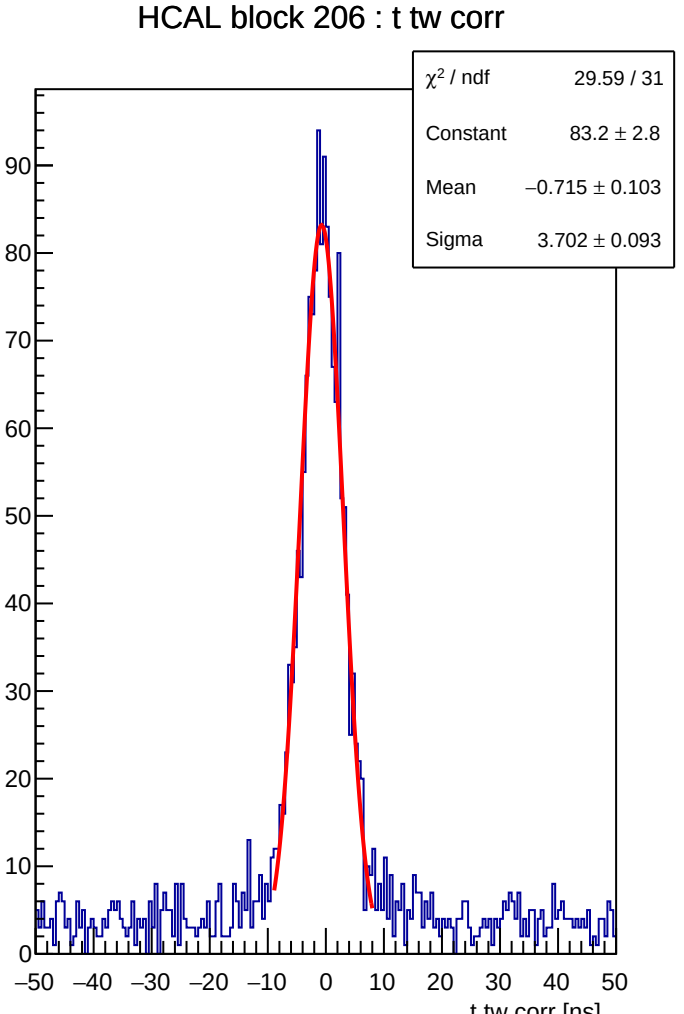

HCAL block 204 : t
χ² / ndf 617.8 / 43
Constant 290.2 ± 5.7
Mean 5.075 ± 0.061
Sigma 4.442 ± 0.077
450
400
350
300
250
200
150
100
50
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

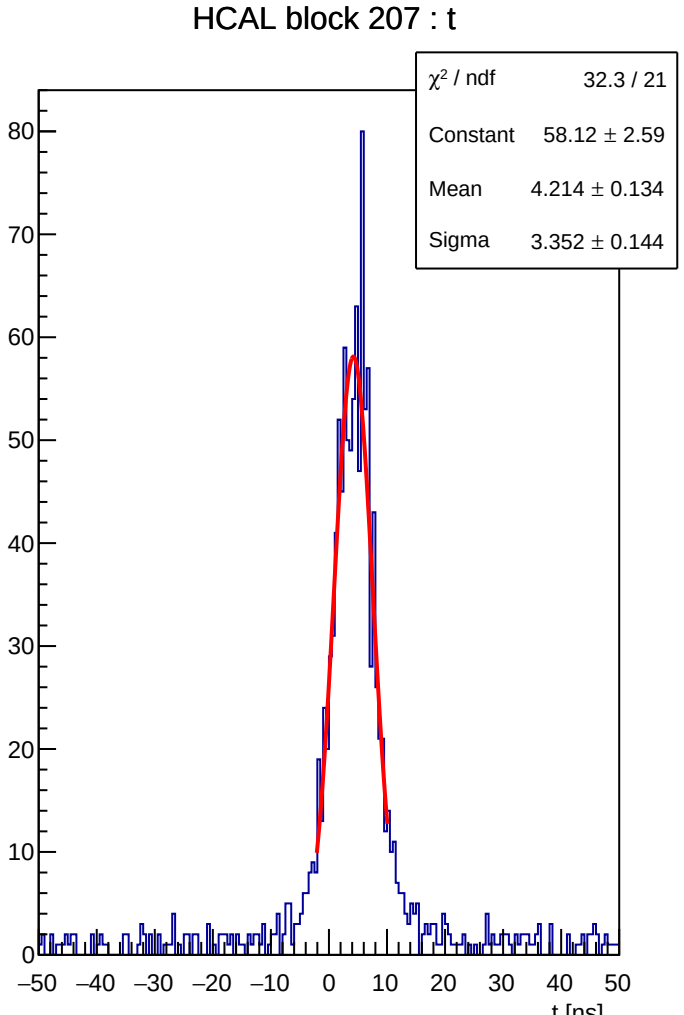

HCAL block 204 : t tw corr
χ² / ndf 480.1 / 42
Constant 315.1 ± 6.2
Mean 2.463 ± 0.054
Sigma 4.092 ± 0.066
400
350
300
250
200
150
100
50
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

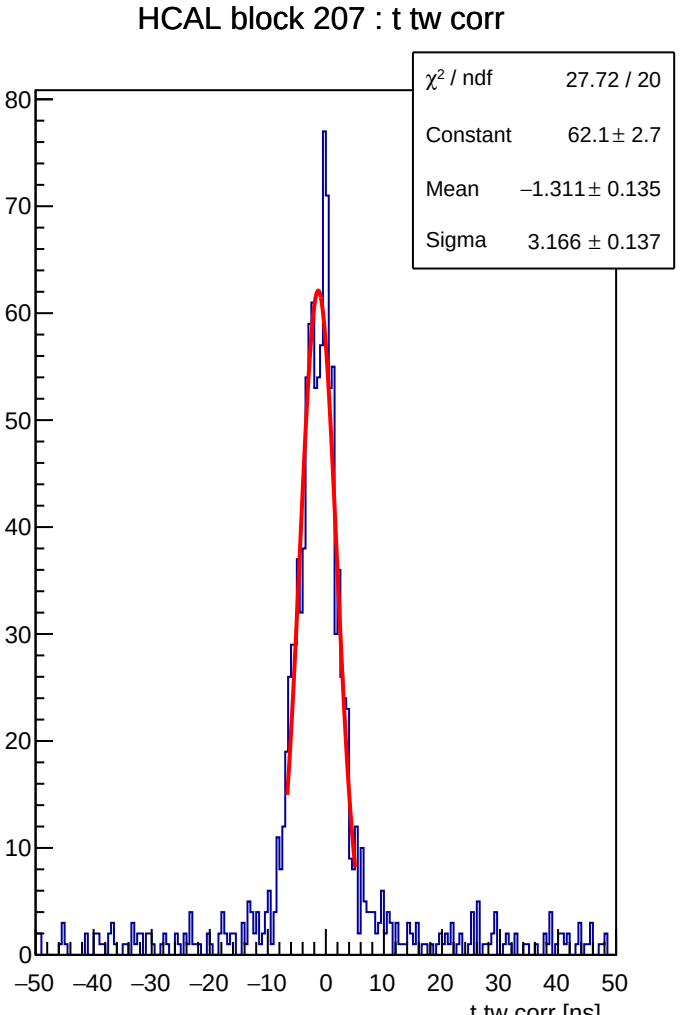

HCAL block 205 : t
χ² / ndf 46.18 / 36
Constant 54.76 ± 2.26
Mean 3.248 ± 0.131
Sigma 4.047 ± 0.128
t [ns]

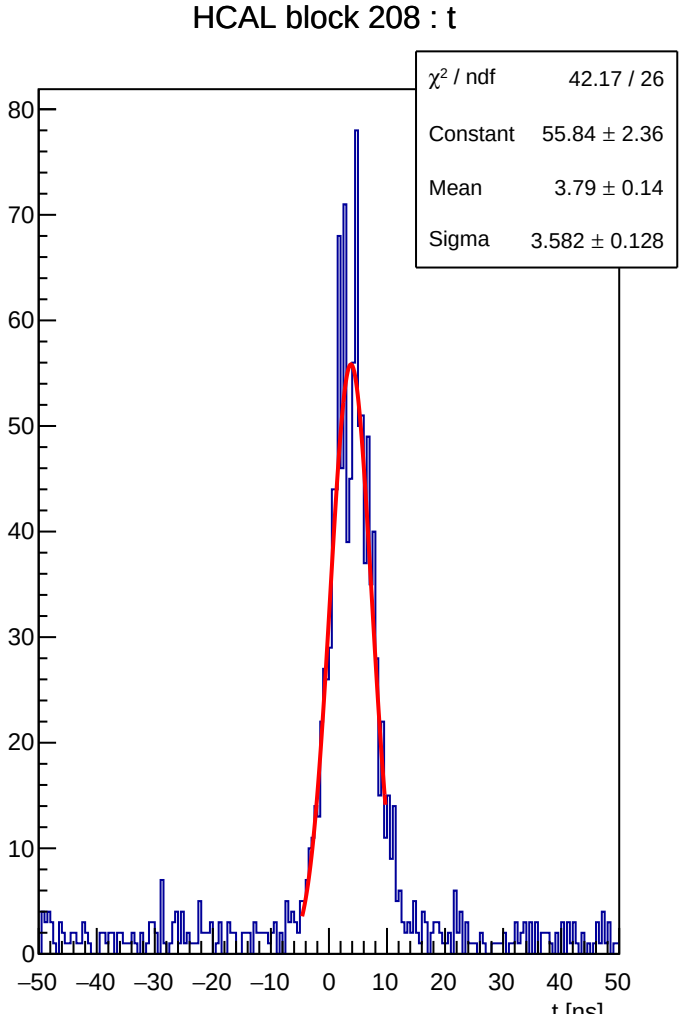

HCAL block 205 : t tw corr
χ² / ndf 77.97 / 36
Constant 56.04 ± 2.40
Mean −2.379 ± 0.125
Sigma 3.868 ± 0.128
t tw corr [ns]

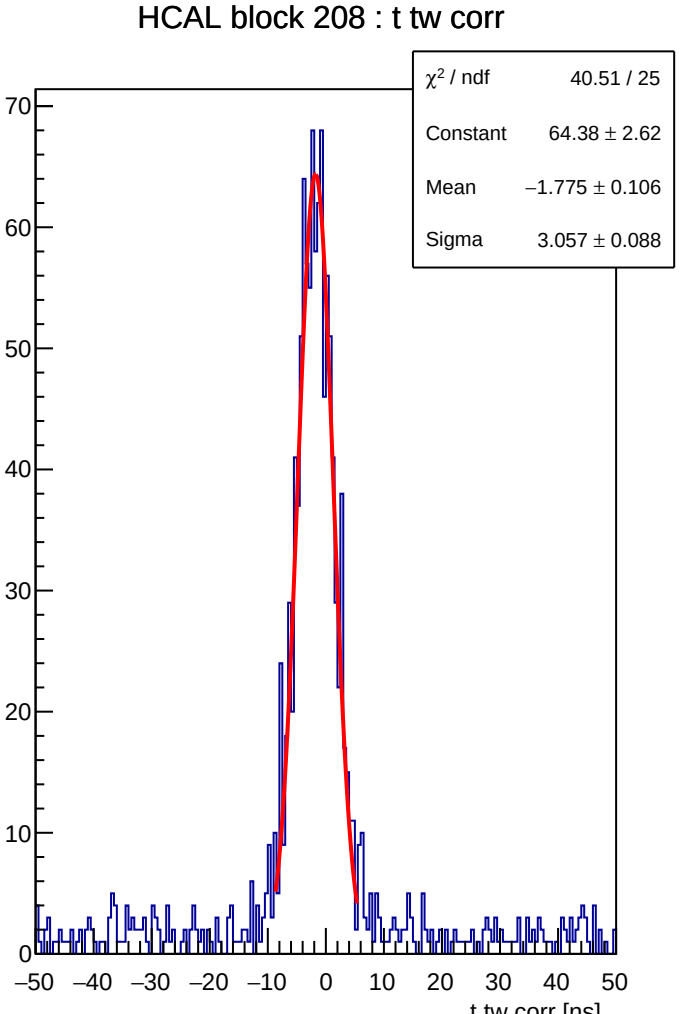

HCAL block 206 : t
χ² / ndf 53.48 / 31
Constant 79.14 ± 2.74
Mean 4.76 ± 0.11
Sigma 3.829 ± 0.105
t [ns]

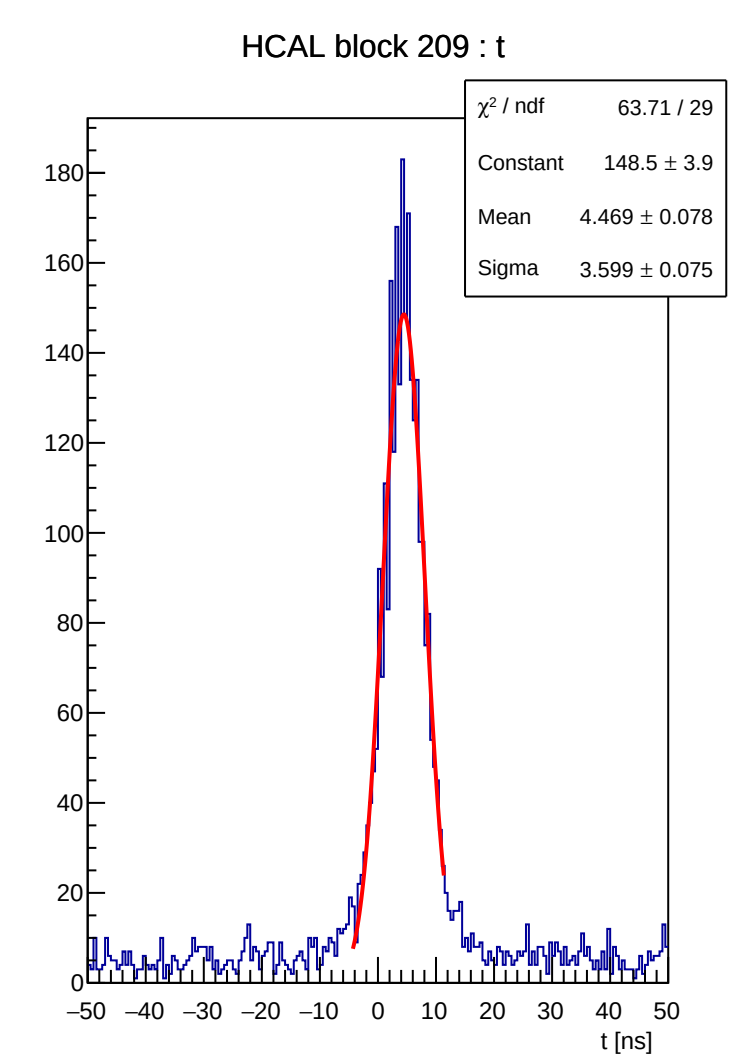

HCAL block 206 : t tw corr
χ² / ndf 29.59 / 31
Constant 83.2 ± 2.8
Mean −0.715 ± 0.103
Sigma 3.702 ± 0.093
t tw corr [ns]

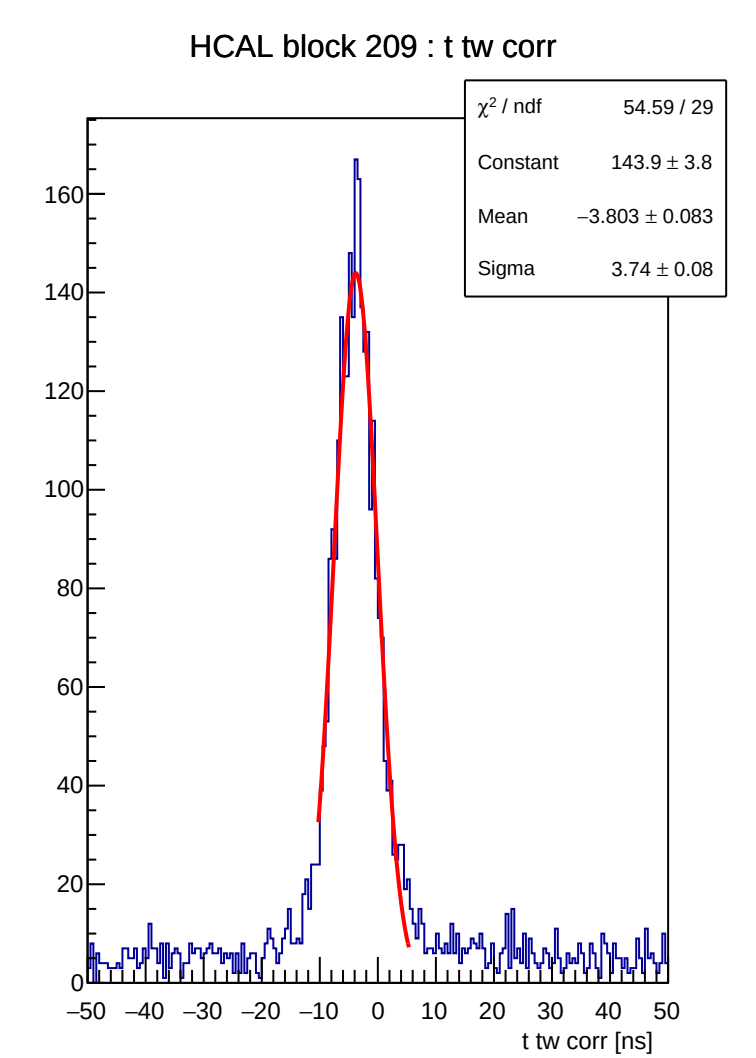

HCAL block 207 : t
χ² / ndf 32.3 / 21
Constant 58.12 ± 2.59
Mean 4.214 ± 0.134
Sigma 3.352 ± 0.144
t [ns]

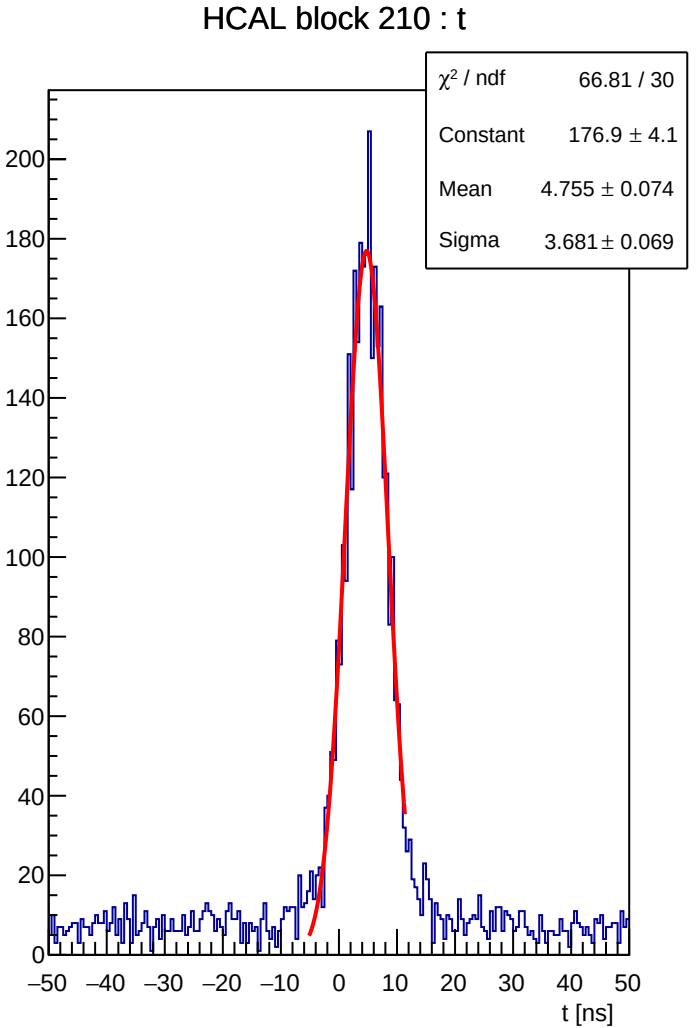

HCAL block 207 : t tw corr
χ² / ndf 27.72 / 20
Constant 62.1 ± 2.7
Mean −1.311 ± 0.135
Sigma 3.166 ± 0.137
t tw corr [ns]

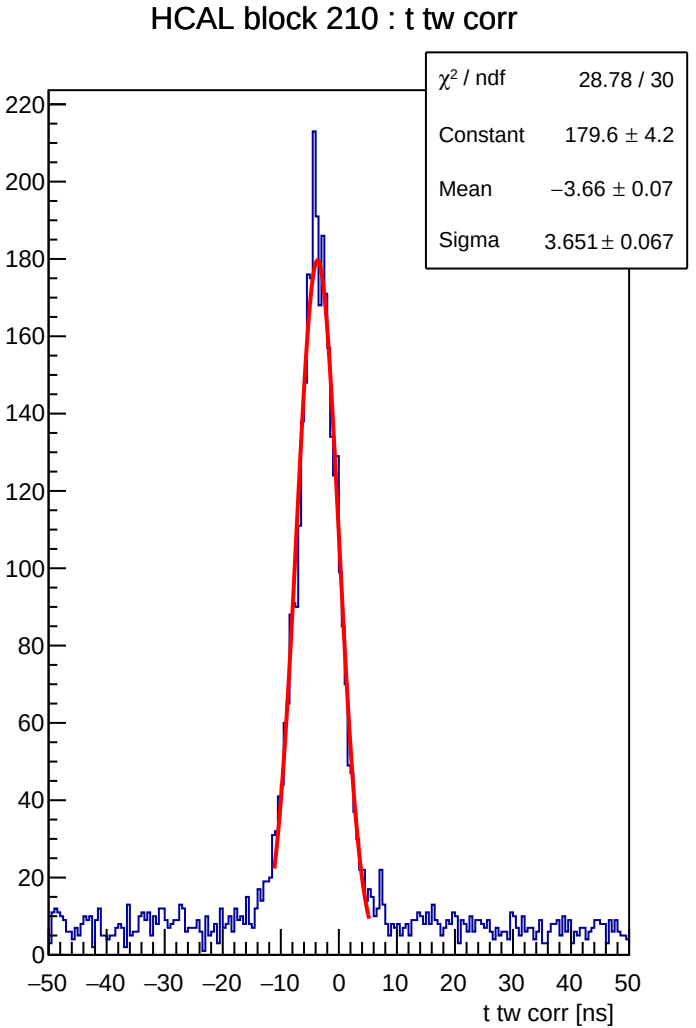

HCAL block 208 : t
χ² / ndf 42.17 / 26
Constant 55.84 ± 2.36
Mean 3.79 ± 0.14
Sigma 3.582 ± 0.128
t [ns]

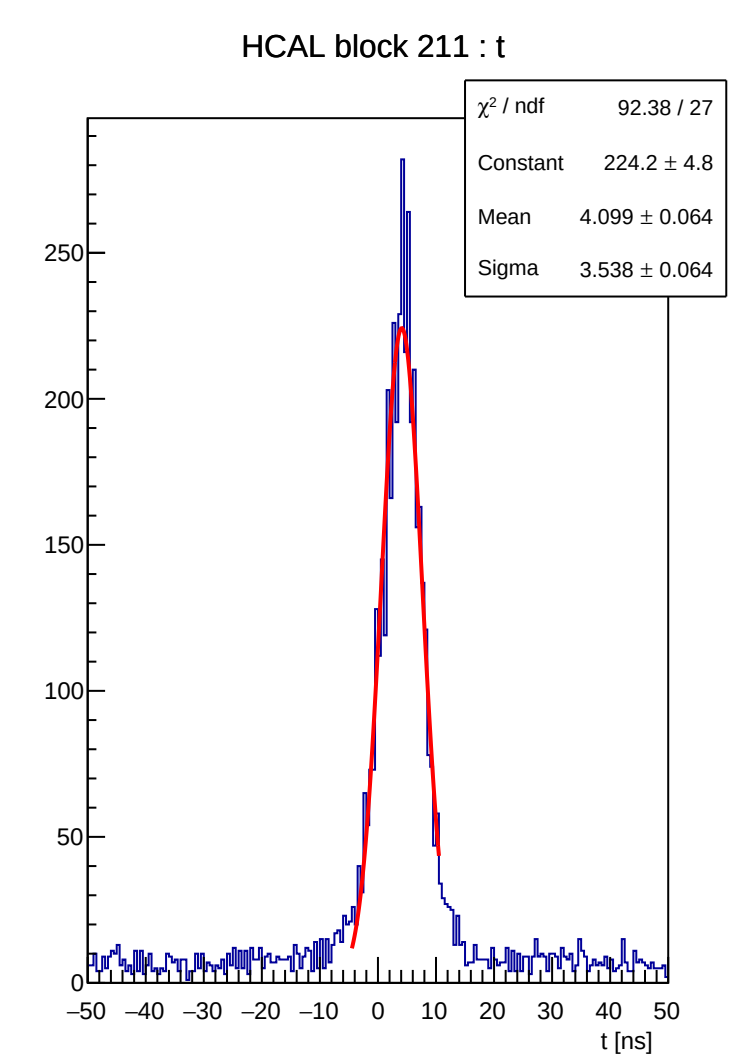

HCAL block 208 : t tw corr
χ² / ndf 40.51 / 25
Constant 64.38 ± 2.62
Mean −1.775 ± 0.106
Sigma 3.057 ± 0.088
t tw corr [ns]

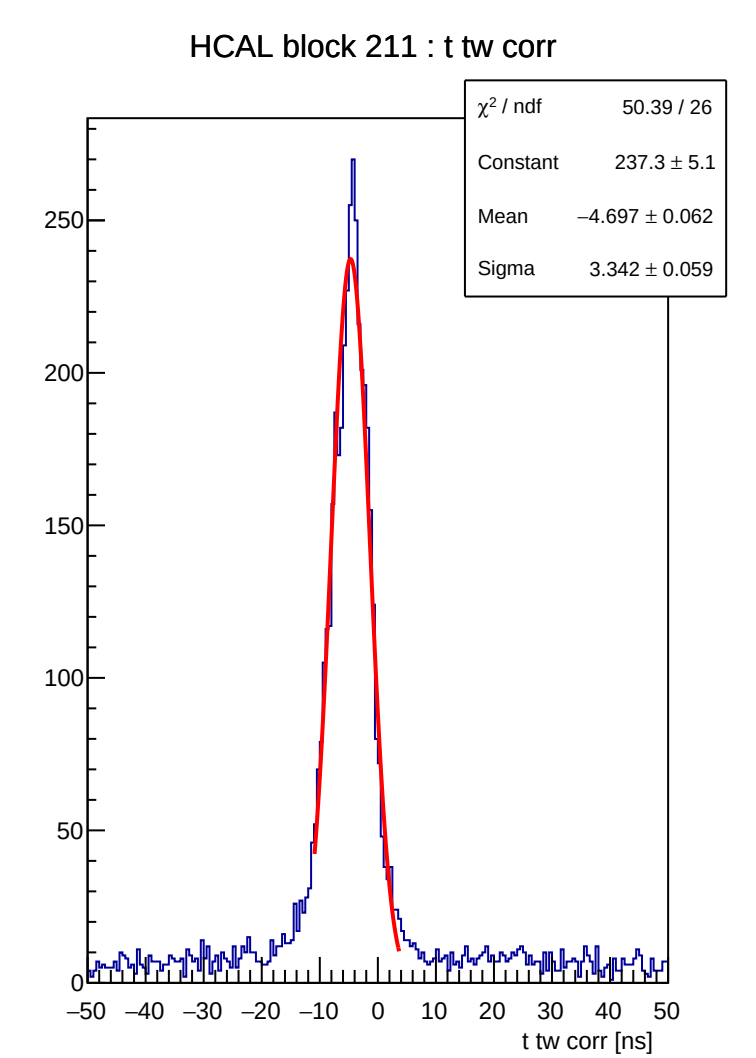

HCAL block 209 : t
χ² / ndf 63.71 / 29
Constant 148.5 ± 3.9
Mean 4.469 ± 0.078
Sigma 3.599 ± 0.075
t [ns]

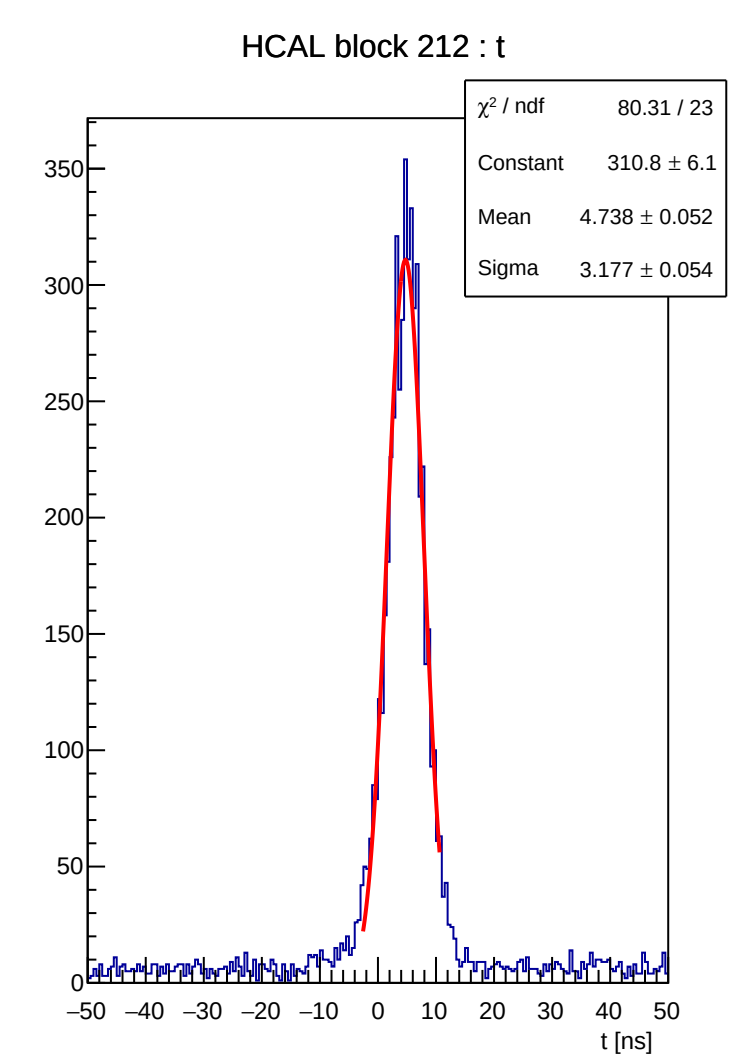

HCAL block 209 : t tw corr
χ² / ndf 54.59 / 29
Constant 143.9 ± 3.8
Mean −3.803 ± 0.083
Sigma 3.74 ± 0.08
t tw corr [ns]

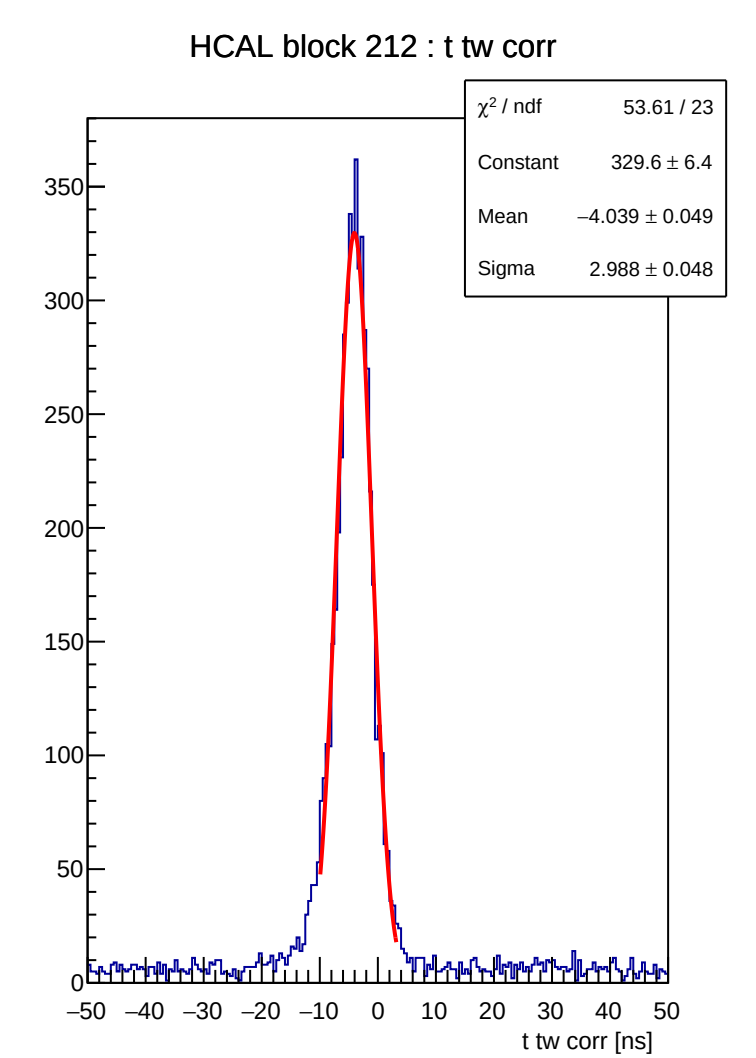

HCAL block 210 : t
χ² / ndf 66.81 / 30
Constant 176.9 ± 4.1
Mean 4.755 ± 0.074
Sigma 3.681 ± 0.069
t [ns]

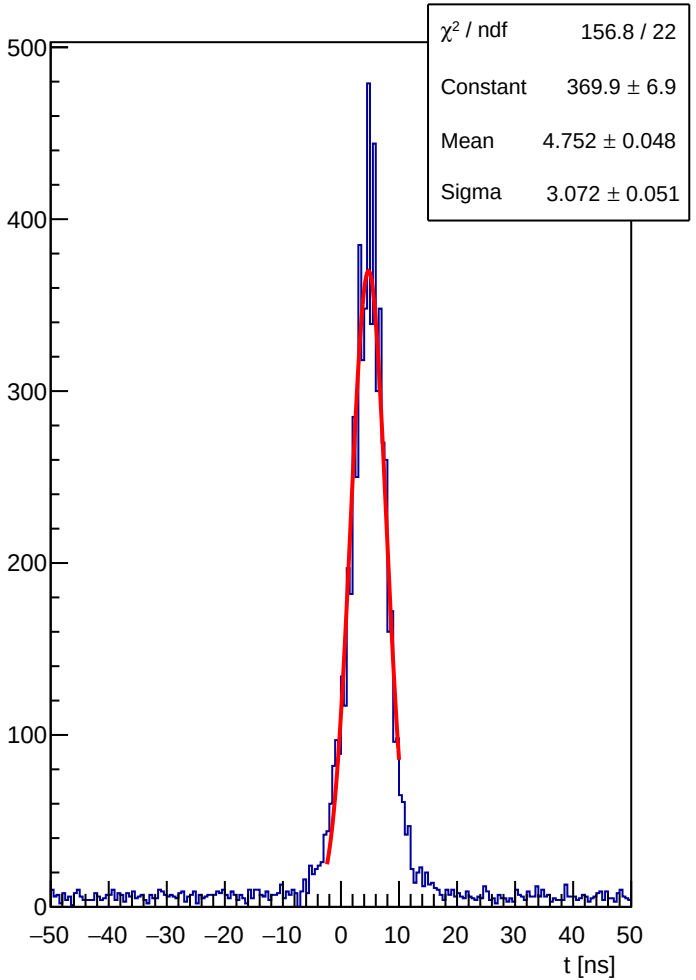

HCAL block 210 : t tw corr
χ² / ndf 28.78 / 30
Constant 179.6 ± 4.2
Mean −3.66 ± 0.07
Sigma 3.651 ± 0.067
t tw corr [ns]

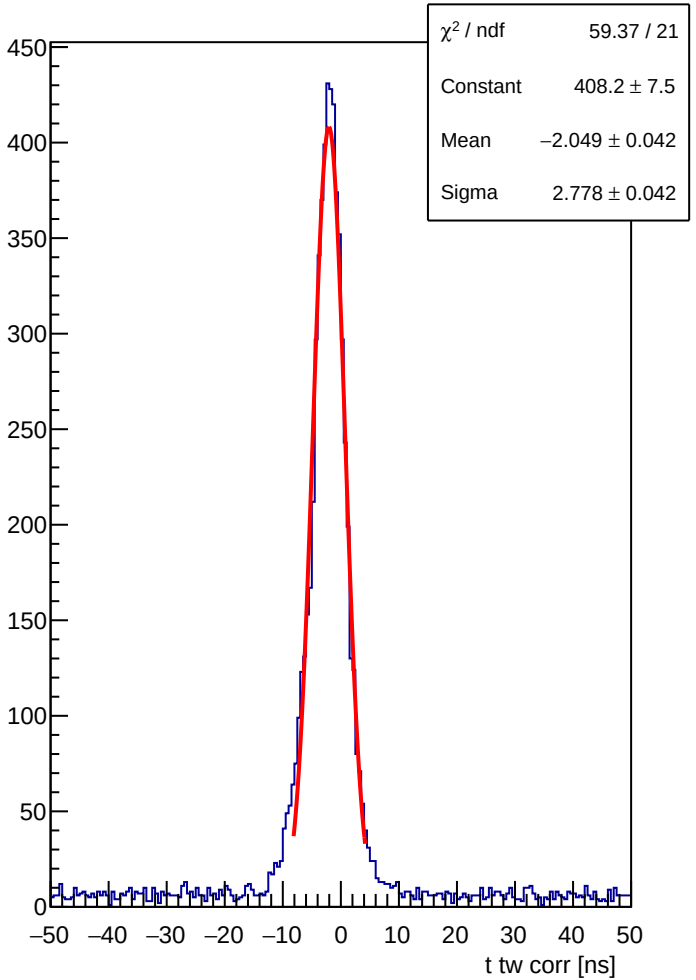

HCAL block 211 : t
χ² / ndf 92.38 / 27
Constant 224.2 ± 4.8
Mean 4.099 ± 0.064
Sigma 3.538 ± 0.064
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

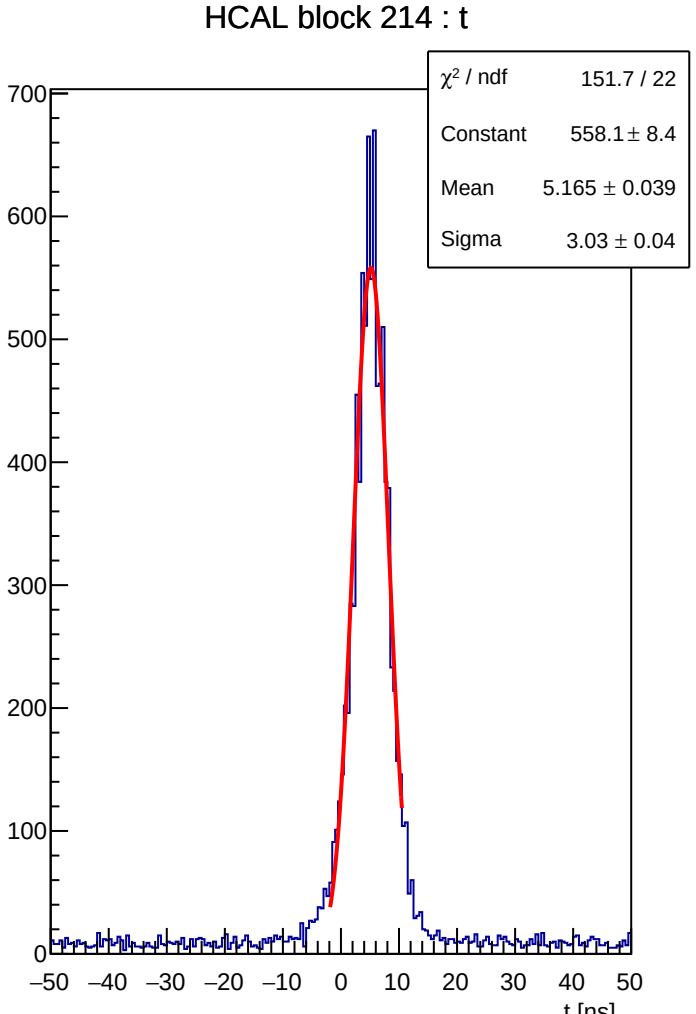

HCAL block 211 : t tw corr
χ² / ndf 50.39 / 26
Constant 237.3 ± 5.1
Mean –4.697 ± 0.062
Sigma 3.342 ± 0.059
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

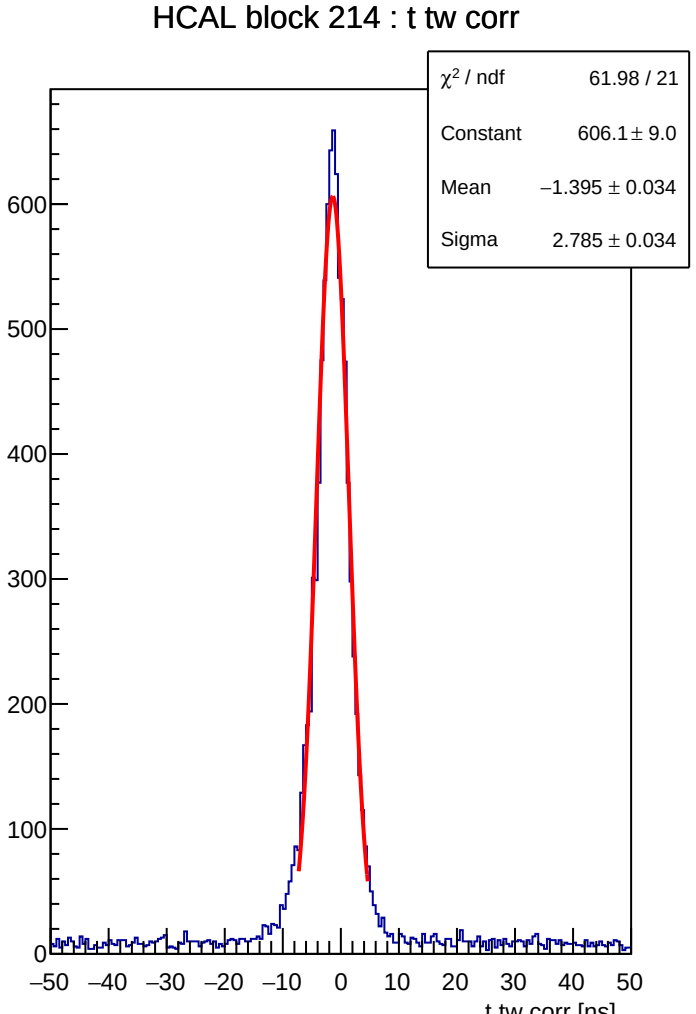

HCAL block 212 : t
χ² / ndf 80.31 / 23
Constant 310.8 ± 6.1
Mean 4.738 ± 0.052
Sigma 3.177 ± 0.054
t [ns]

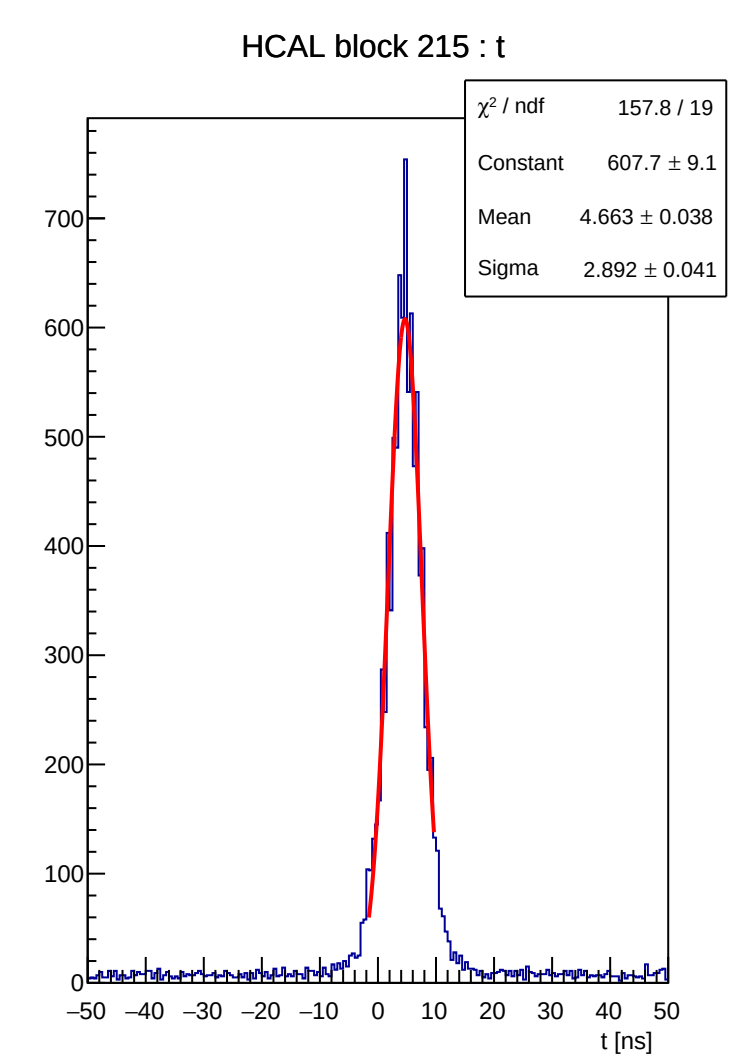

HCAL block 212 : t tw corr
χ² / ndf 53.61 / 23
Constant 329.6 ± 6.4
Mean −4.039 ± 0.049
Sigma 2.988 ± 0.048
t tw corr [ns]

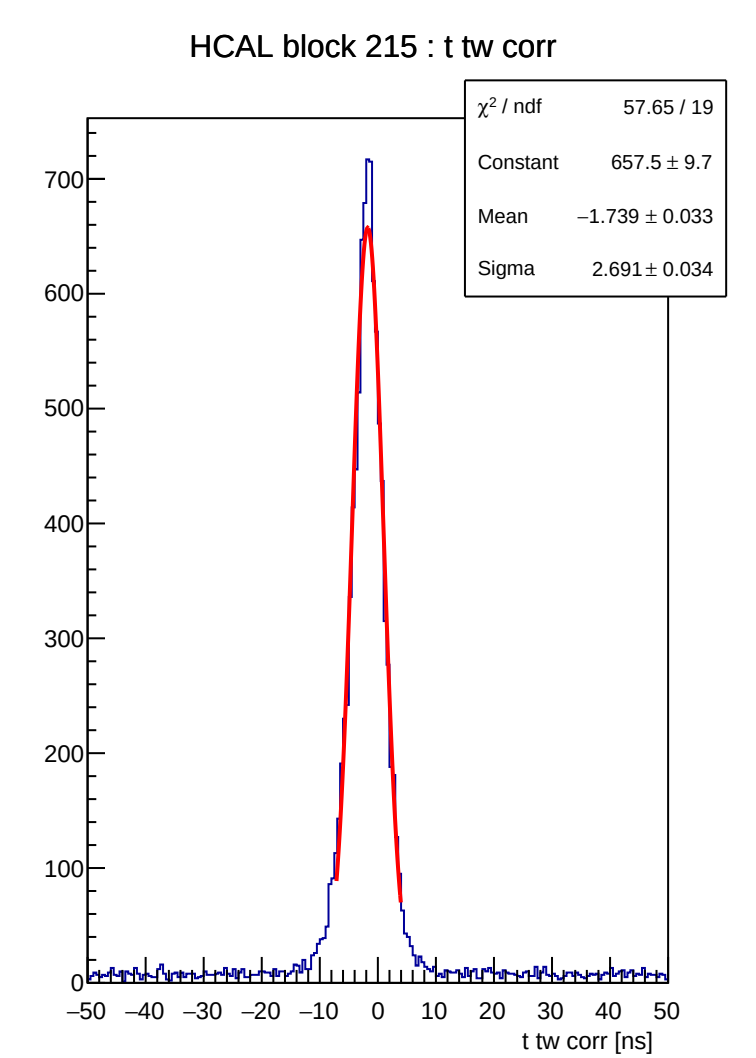

HCAL block 213 : t
χ² / ndf 156.8 / 22
Constant 369.9 ± 6.9
Mean 4.752 ± 0.048
Sigma 3.072 ± 0.051
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

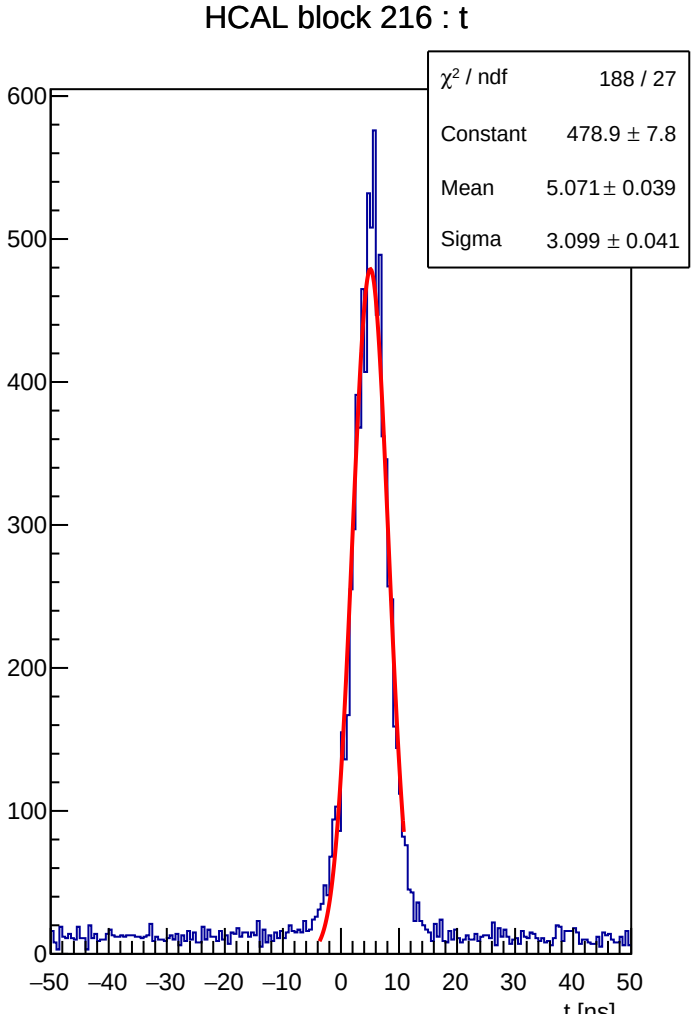

HCAL block 213 : t tw corr
χ² / ndf 59.37 / 21
Constant 408.2 ± 7.5
Mean –2.049 ± 0.042
Sigma 2.778 ± 0.042
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

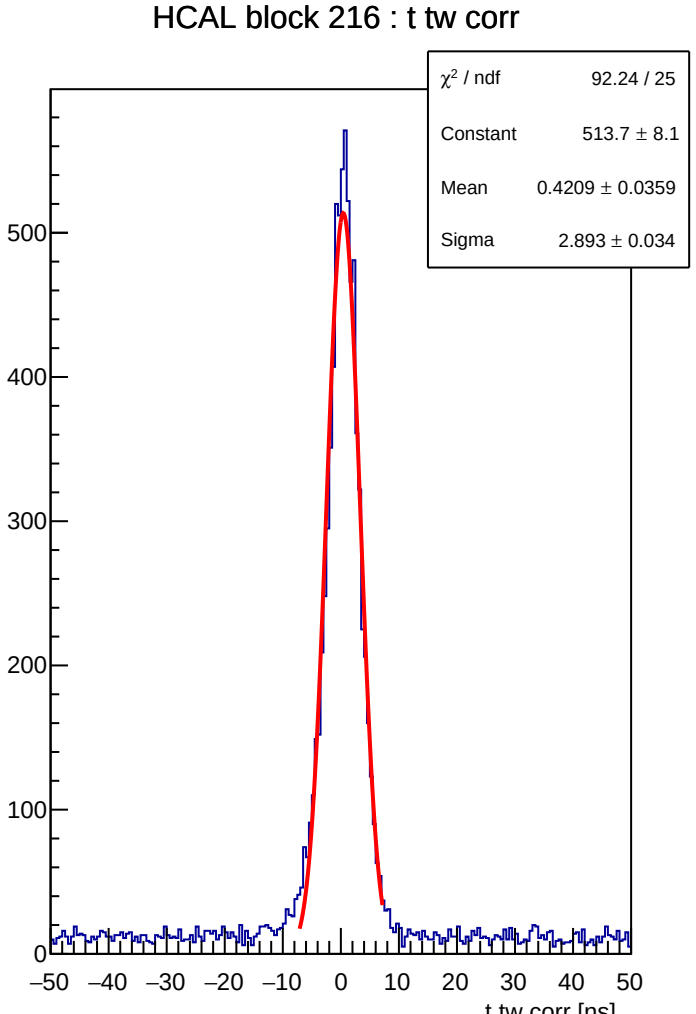

HCAL block 214 : t
χ² / ndf 151.7 / 22
Constant 558.1 ± 8.4
Mean 5.165 ± 0.039
Sigma 3.03 ± 0.04
700
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

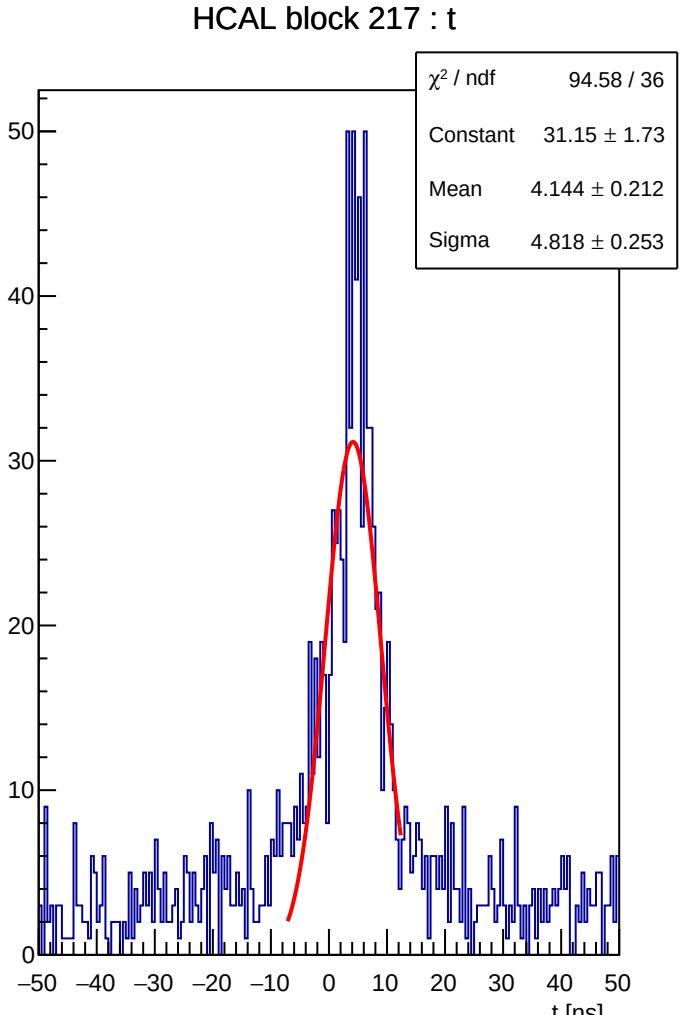

HCAL block 214 : t tw corr
χ² / ndf 61.98 / 21
Constant 606.1 ± 9.0
Mean –1.395 ± 0.034
Sigma 2.785 ± 0.034
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

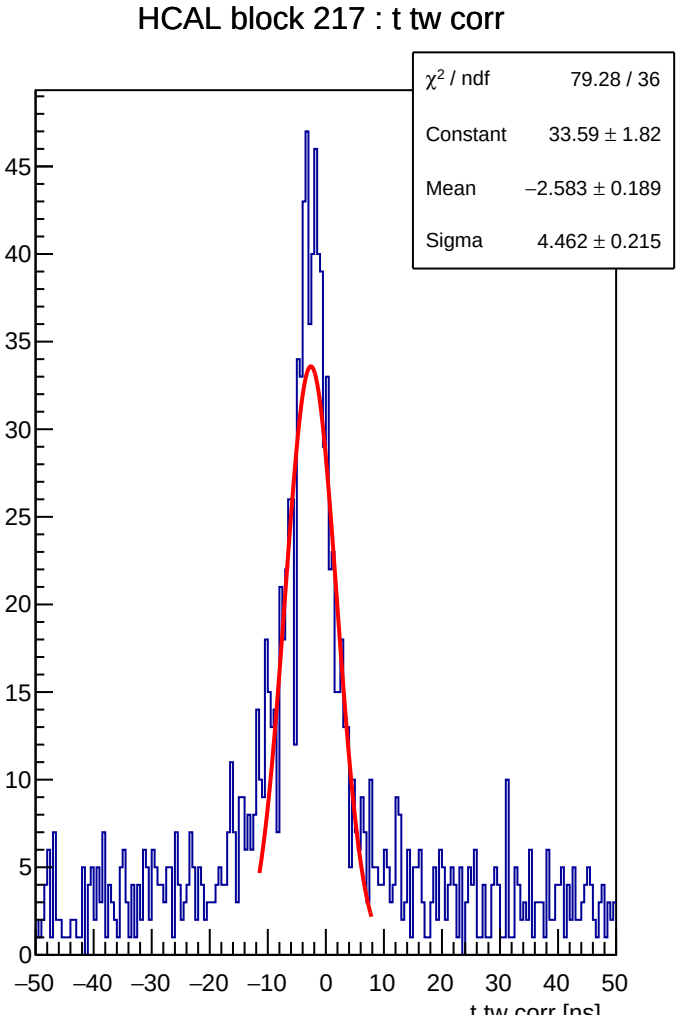

HCAL block 215 : t
χ² / ndf 157.8 / 19
Constant 607.7 ± 9.1
Mean 4.663 ± 0.038
Sigma 2.892 ± 0.041
0
100
200
300
400
500
600
700
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

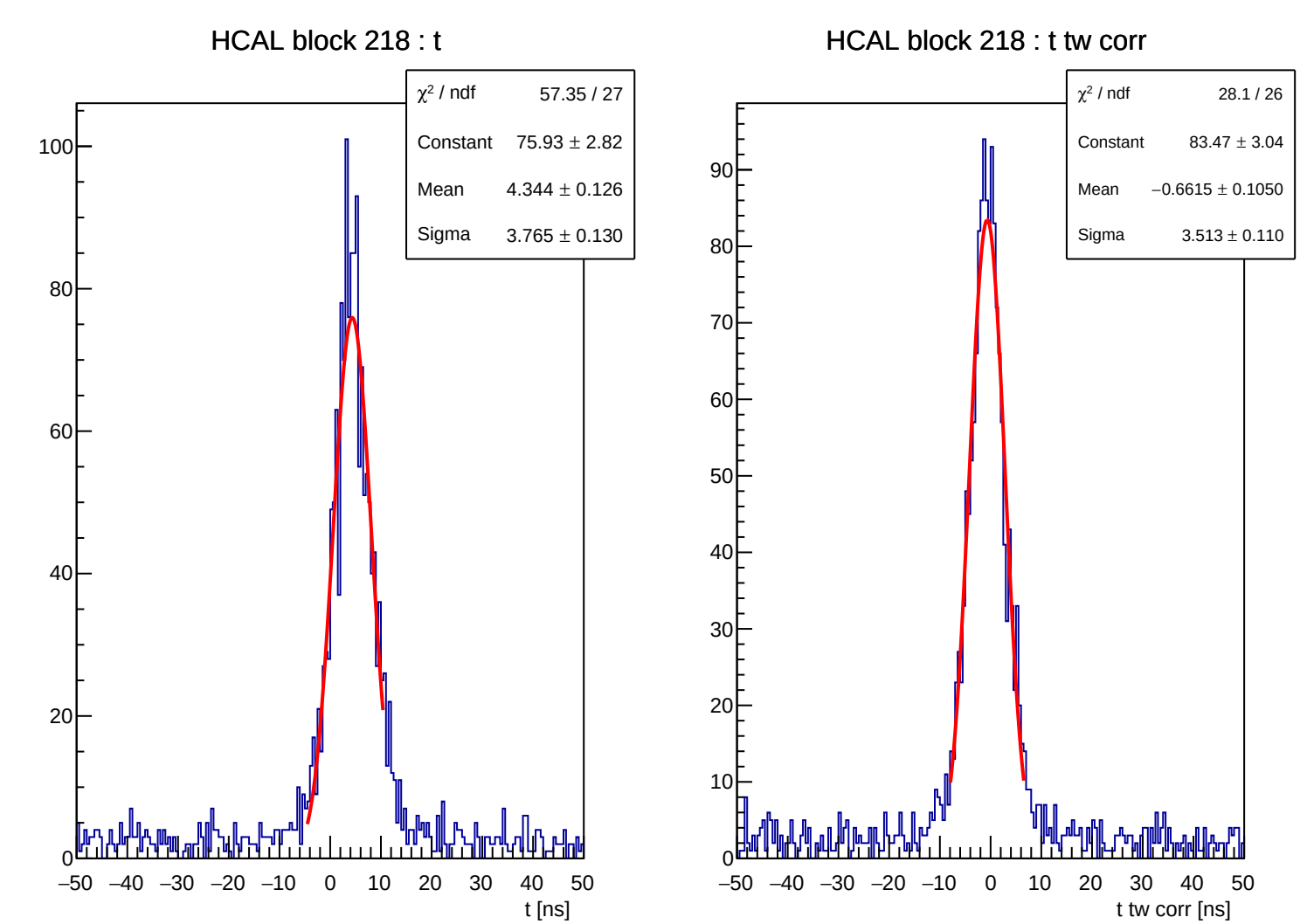

HCAL block 215 : t tw corr
χ² / ndf 57.65 / 19
Constant 657.5 ± 9.7
Mean –1.739 ± 0.033
Sigma 2.691 ± 0.034
0
100
200
300
400
500
600
700
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

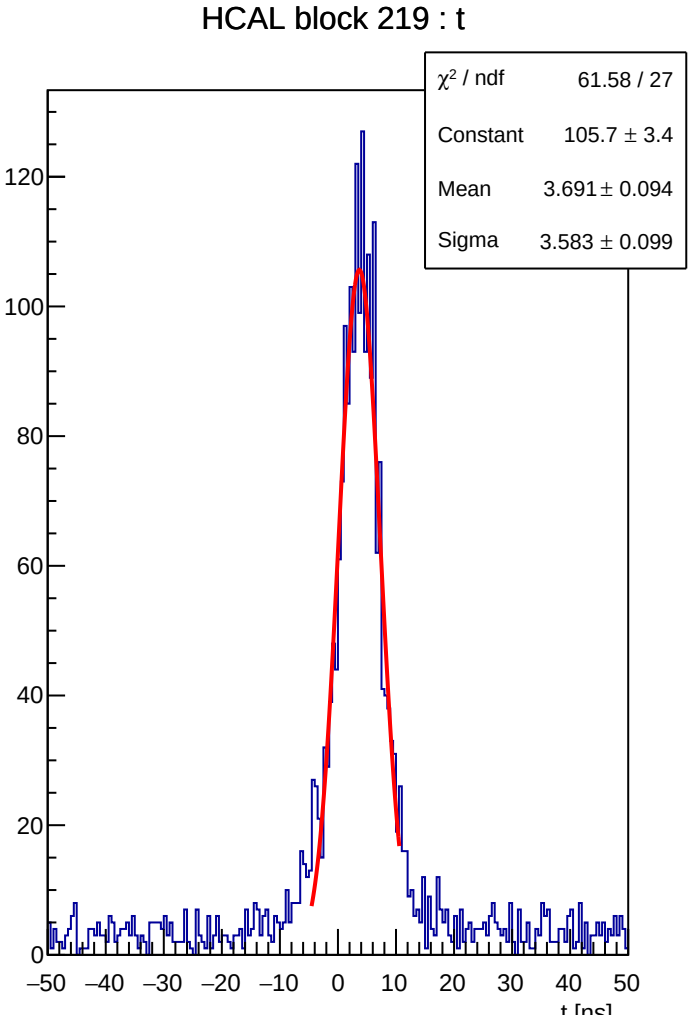

HCAL block 216 : t
χ² / ndf 188 / 27
Constant 478.9 ± 7.8
Mean 5.071 ± 0.039
Sigma 3.099 ± 0.041
600
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

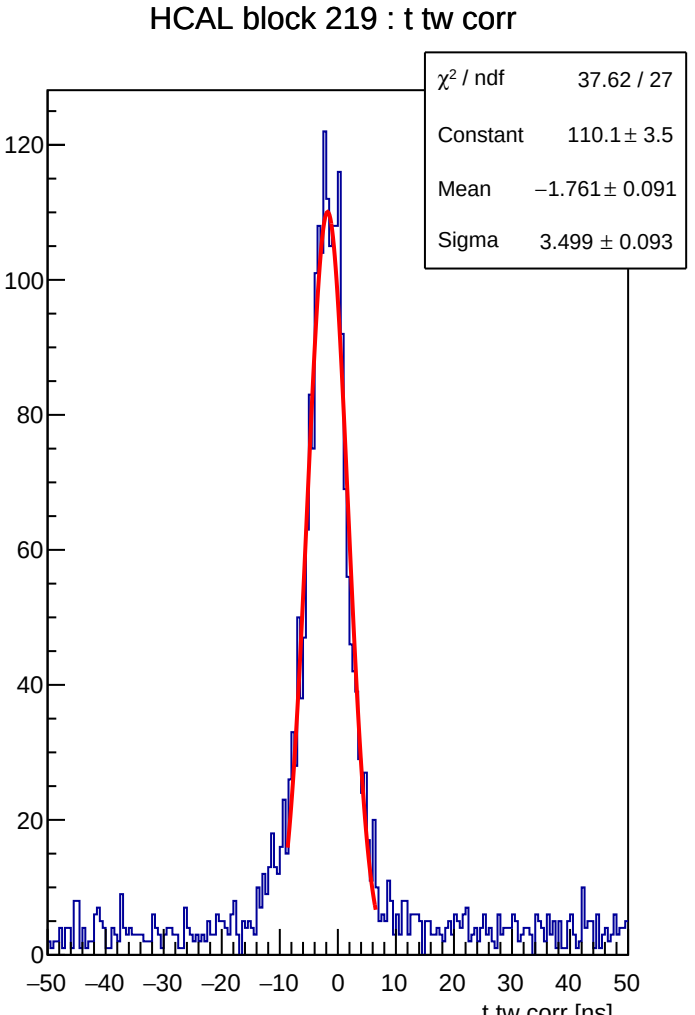

HCAL block 216 : t tw corr
χ² / ndf 92.24 / 25
Constant 513.7 ± 8.1
Mean 0.4209 ± 0.0359
Sigma 2.893 ± 0.034
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

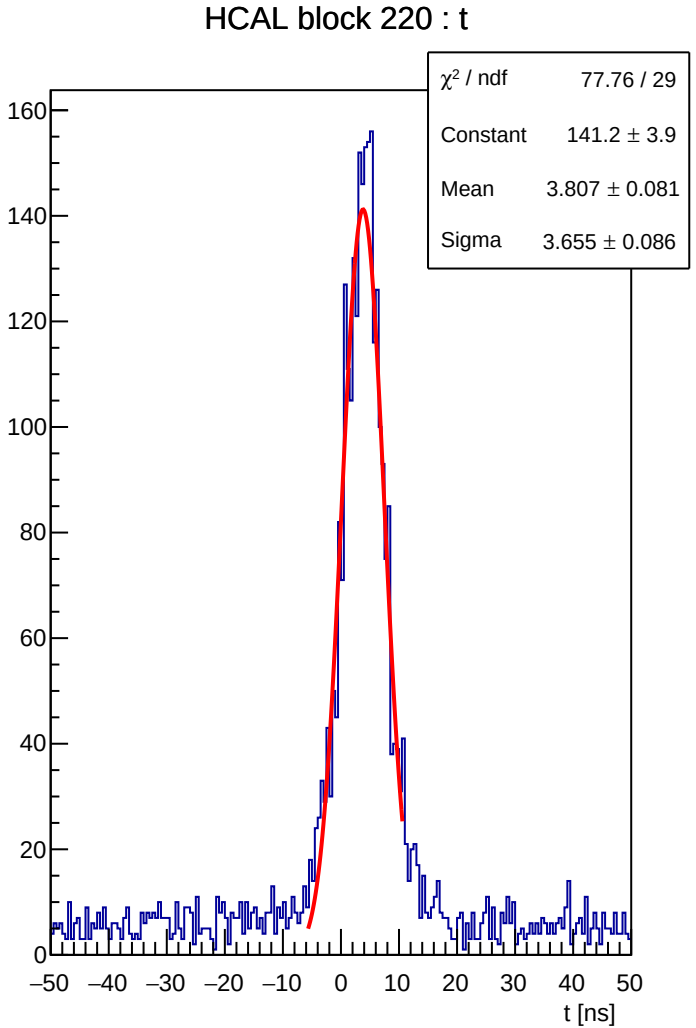

HCAL block 217 : t
χ² / ndf 94.58 / 36
Constant 31.15 ± 1.73
Mean 4.144 ± 0.212
Sigma 4.818 ± 0.253
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

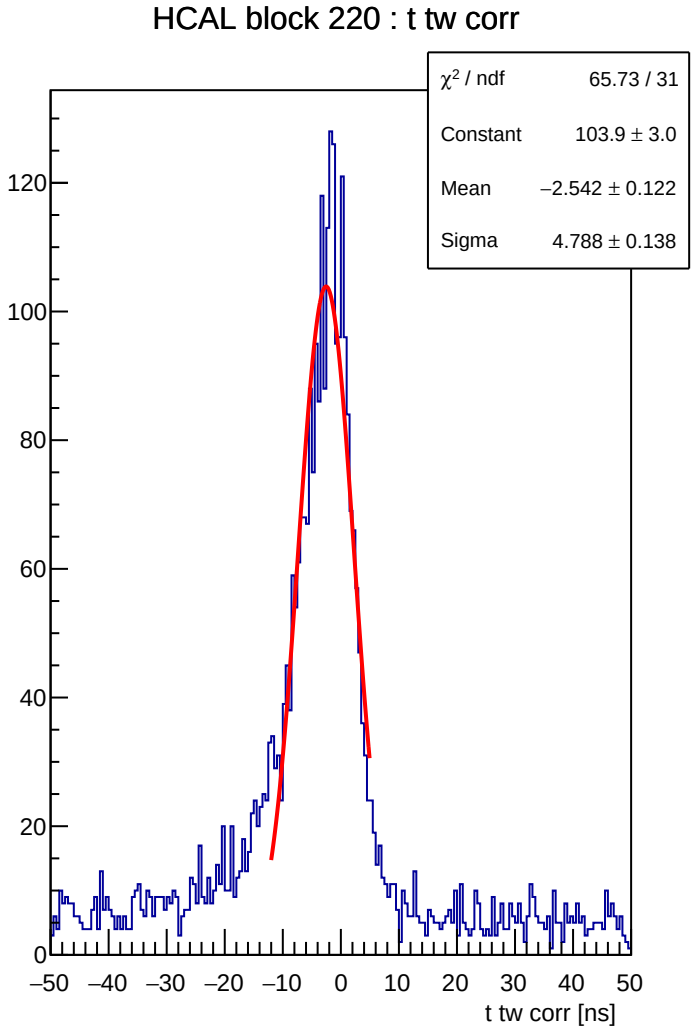

HCAL block 217 : t tw corr
χ² / ndf 79.28 / 36
Constant 33.59 ± 1.82
Mean –2.583 ± 0.189
Sigma 4.462 ± 0.215
45
40
35
30
25
20
15
10
5
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

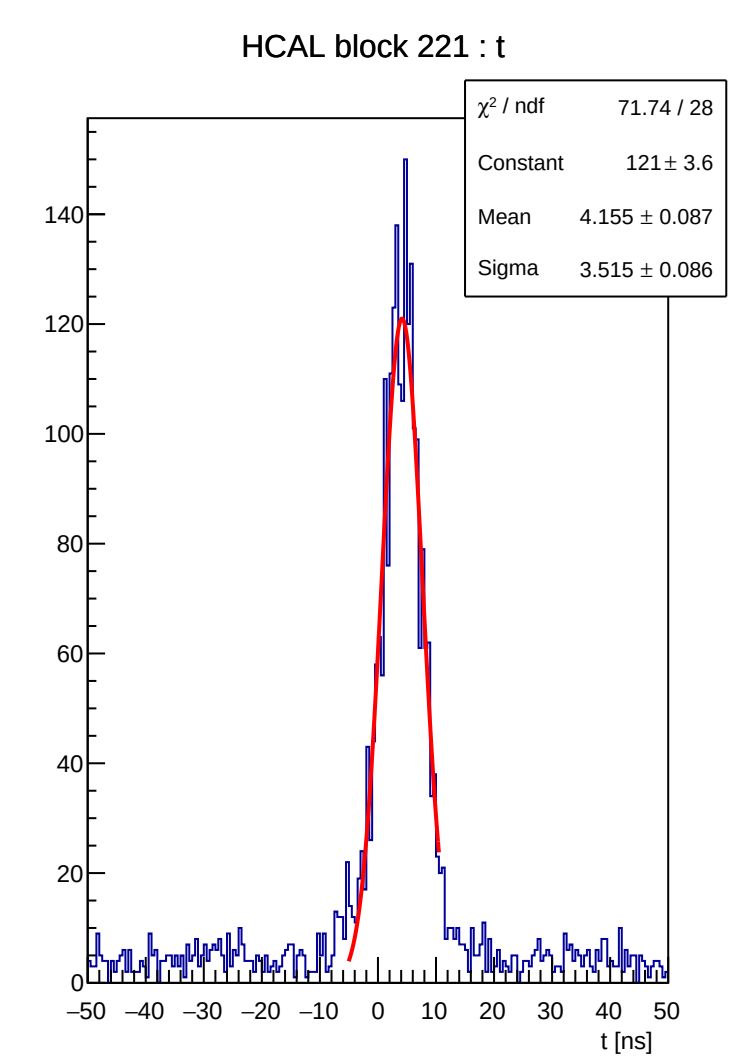

HCAL block 218 : t
χ² / ndf 57.35 / 27
Constant 75.93 ± 2.82
Mean 4.344 ± 0.126
Sigma 3.765 ± 0.130
t [ns]
HCAL block 218 : t tw corr
χ² / ndf 28.1 / 26
Constant 83.47 ± 3.04
Mean −0.6615 ± 0.1050
Sigma 3.513 ± 0.110
t tw corr [ns]

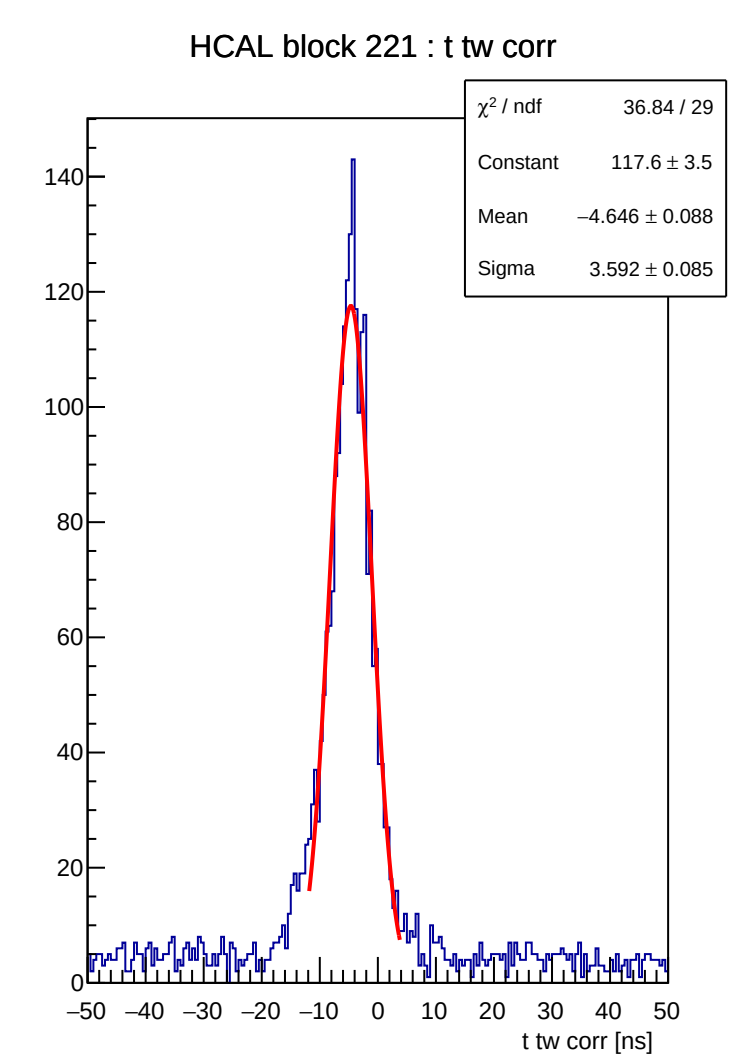

HCAL block 219 : t
χ² / ndf 61.58 / 27
Constant 105.7 ± 3.4
Mean 3.691 ± 0.094
Sigma 3.583 ± 0.099
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

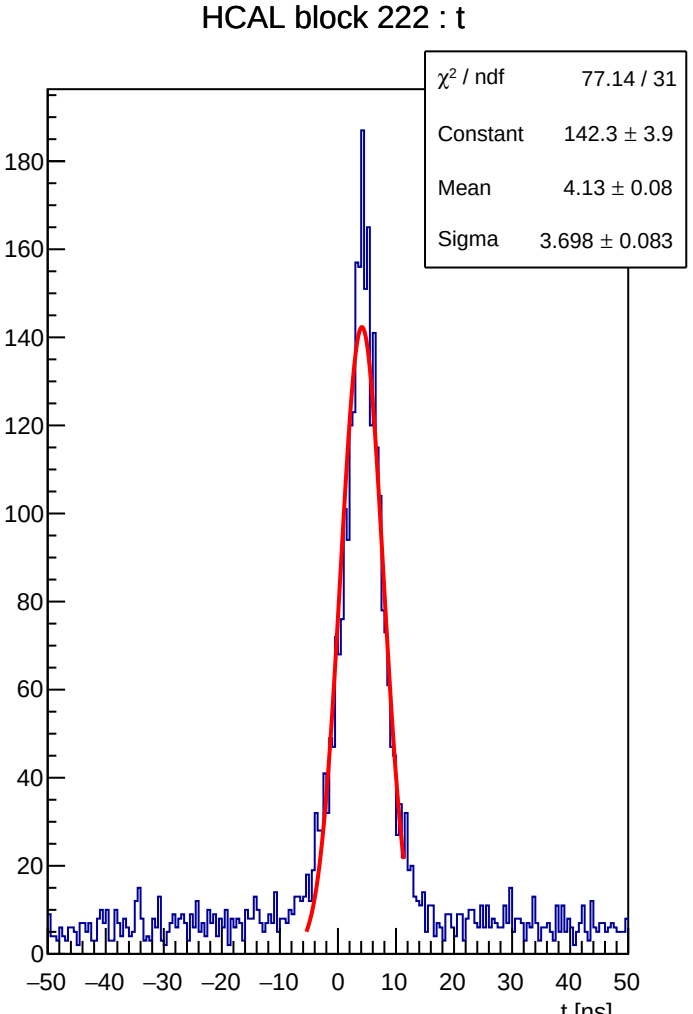

HCAL block 219 : t tw corr
χ² / ndf 37.62 / 27
Constant 110.1 ± 3.5
Mean –1.761 ± 0.091
Sigma 3.499 ± 0.093
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

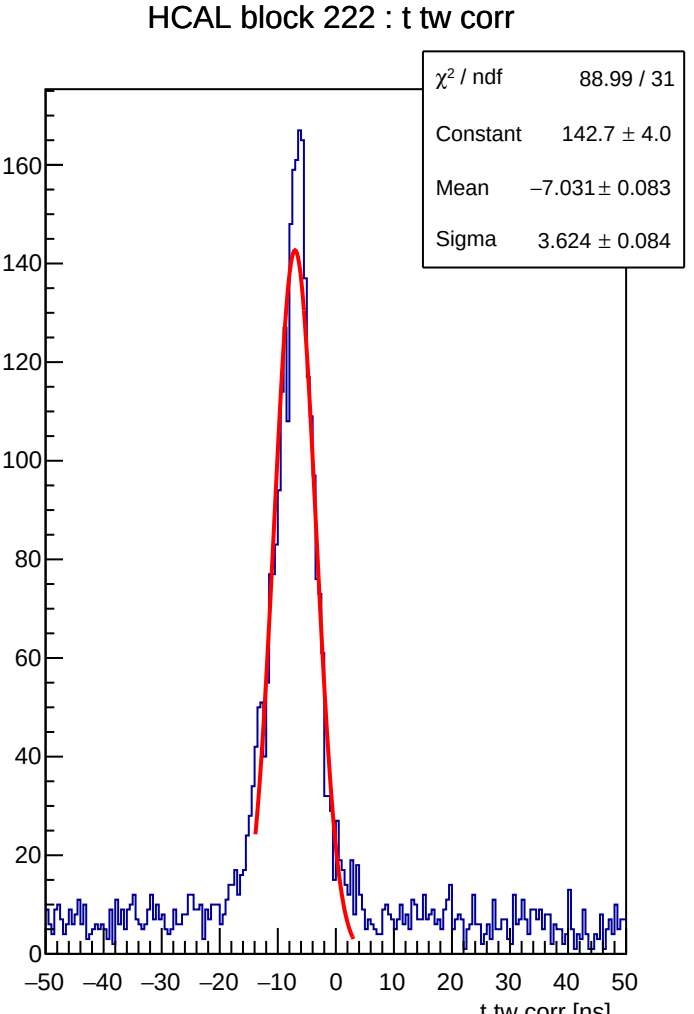

HCAL block 220 : t
χ² / ndf 77.76 / 29
Constant 141.2 ± 3.9
Mean 3.807 ± 0.081
Sigma 3.655 ± 0.086
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

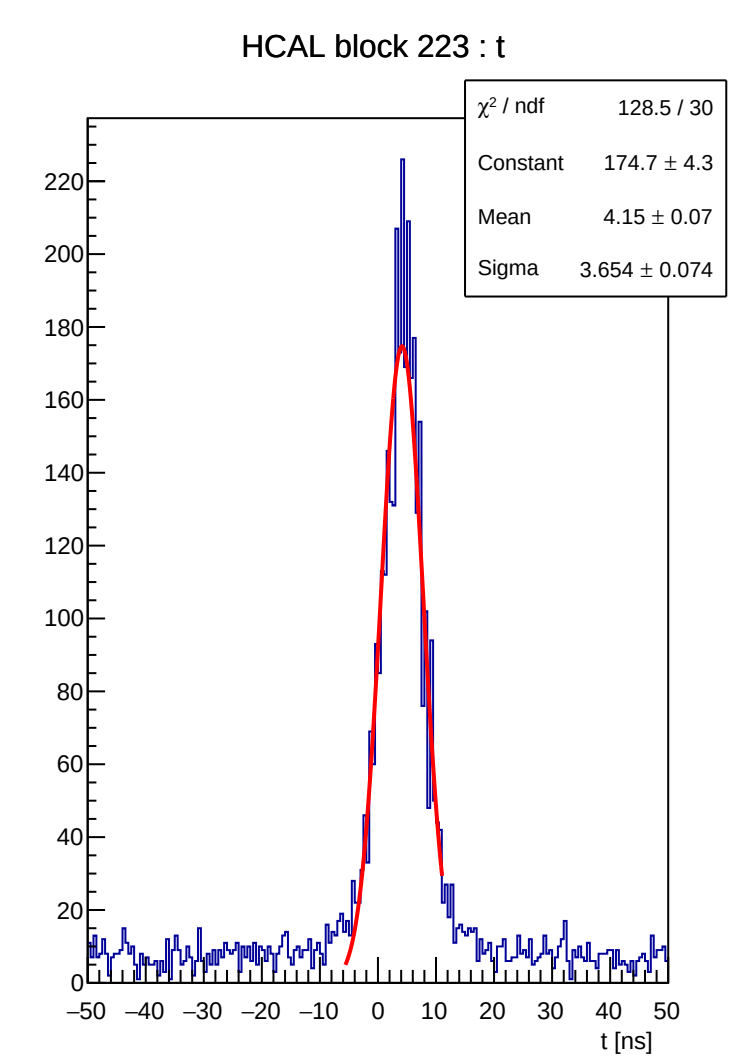

HCAL block 220 : t tw corr
χ² / ndf 65.73 / 31
Constant 103.9 ± 3.0
Mean –2.542 ± 0.122
Sigma 4.788 ± 0.138
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

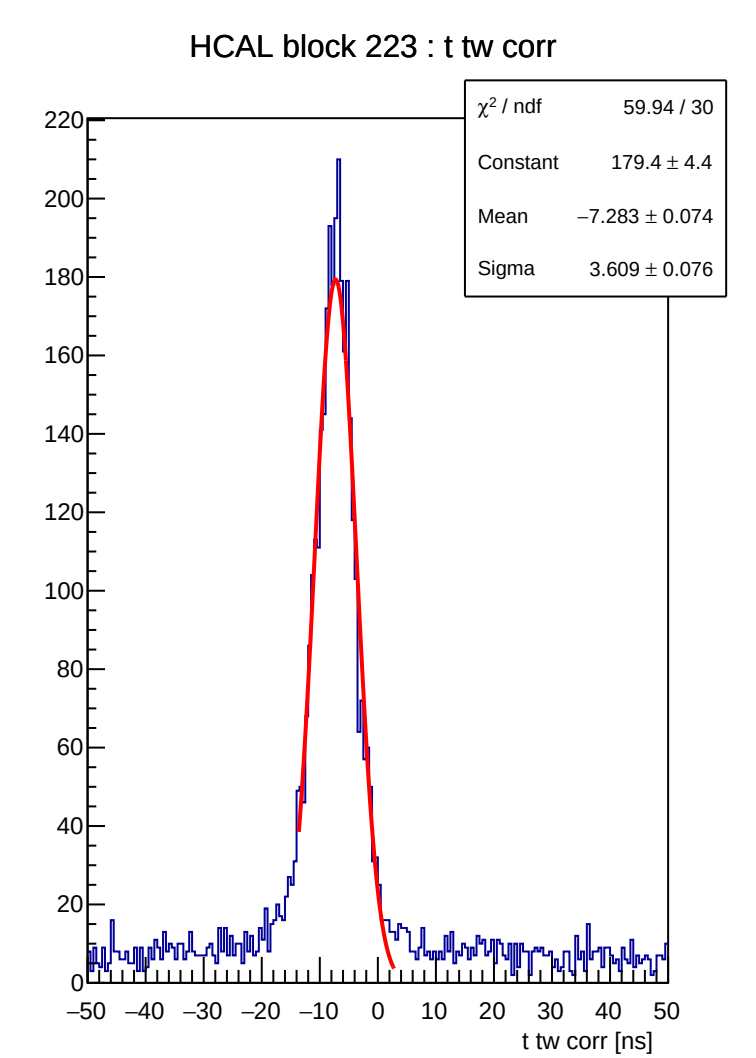

HCAL block 221 : t
χ² / ndf 71.74 / 28
Constant 121 ± 3.6
Mean 4.155 ± 0.087
Sigma 3.515 ± 0.086
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

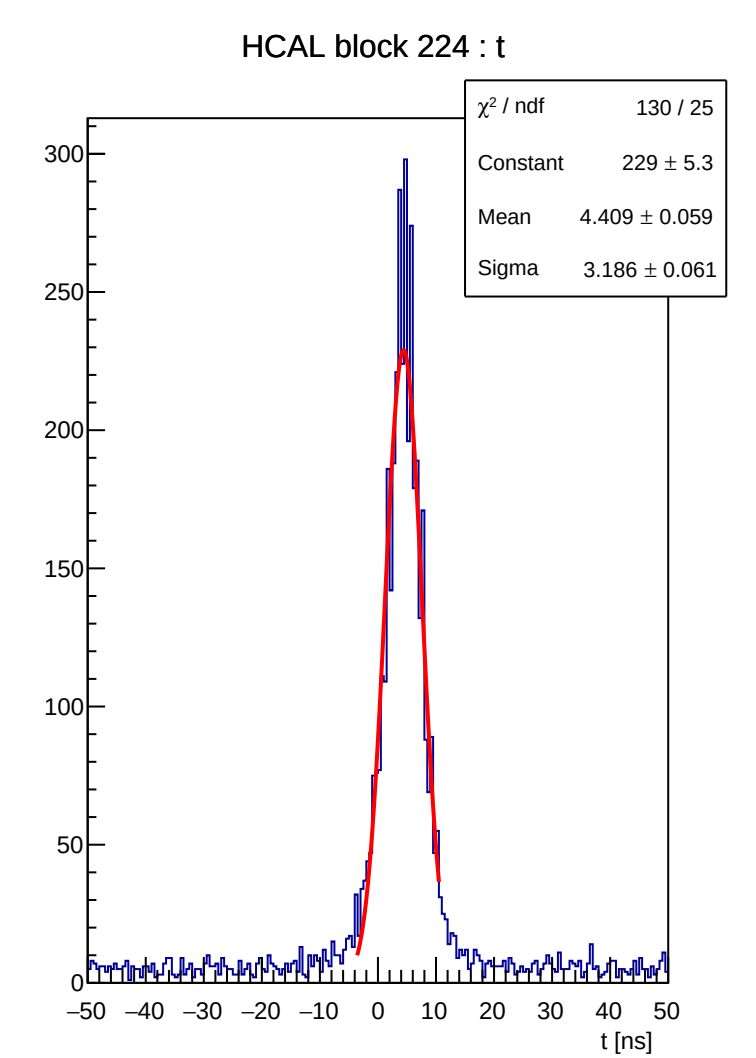

HCAL block 221 : t tw corr
χ² / ndf 36.84 / 29
Constant 117.6 ± 3.5
Mean –4.646 ± 0.088
Sigma 3.592 ± 0.085
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

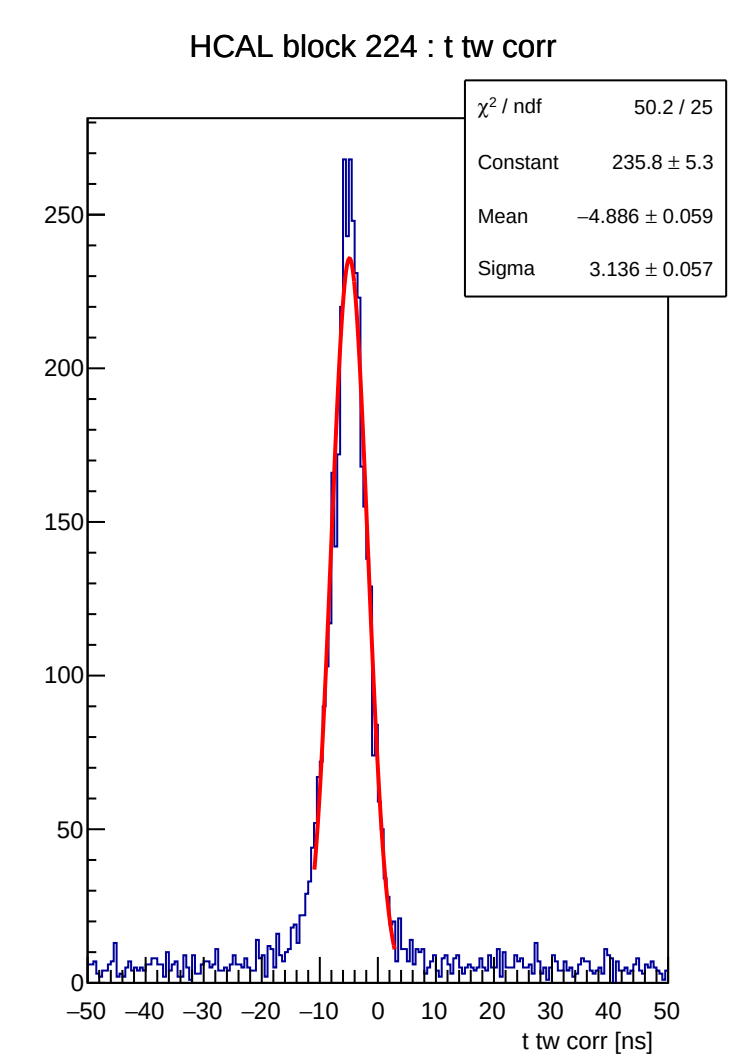

HCAL block 222 : t
χ² / ndf 77.14 / 31
Constant 142.3 ± 3.9
Mean 4.13 ± 0.08
Sigma 3.698 ± 0.083
t [ns]

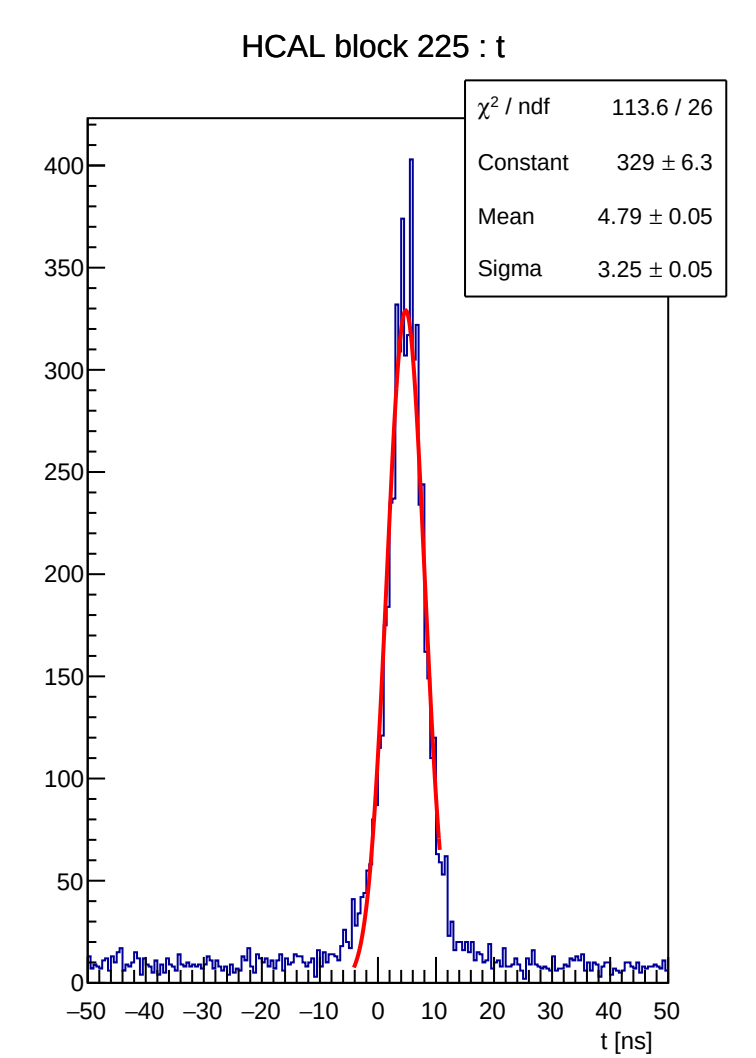

HCAL block 222 : t tw corr
χ² / ndf 88.99 / 31
Constant 142.7 ± 4.0
Mean −7.031 ± 0.083
Sigma 3.624 ± 0.084
t tw corr [ns]

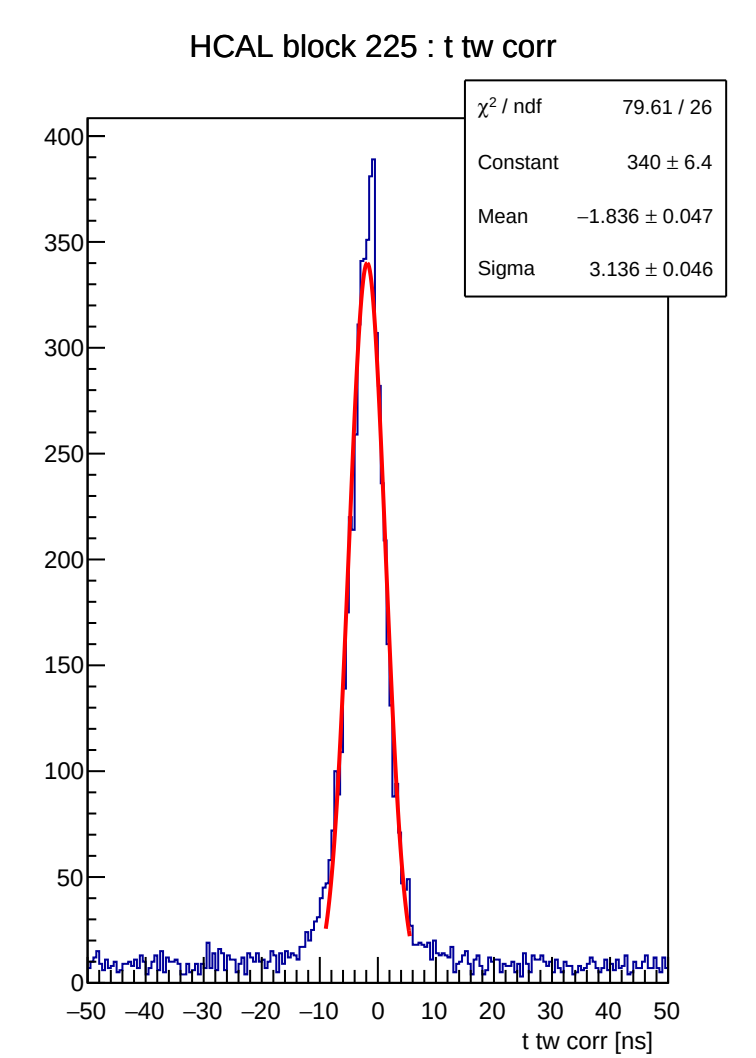

HCAL block 223 : t
χ² / ndf 128.5 / 30
Constant 174.7 ± 4.3
Mean 4.15 ± 0.07
Sigma 3.654 ± 0.074
t [ns]

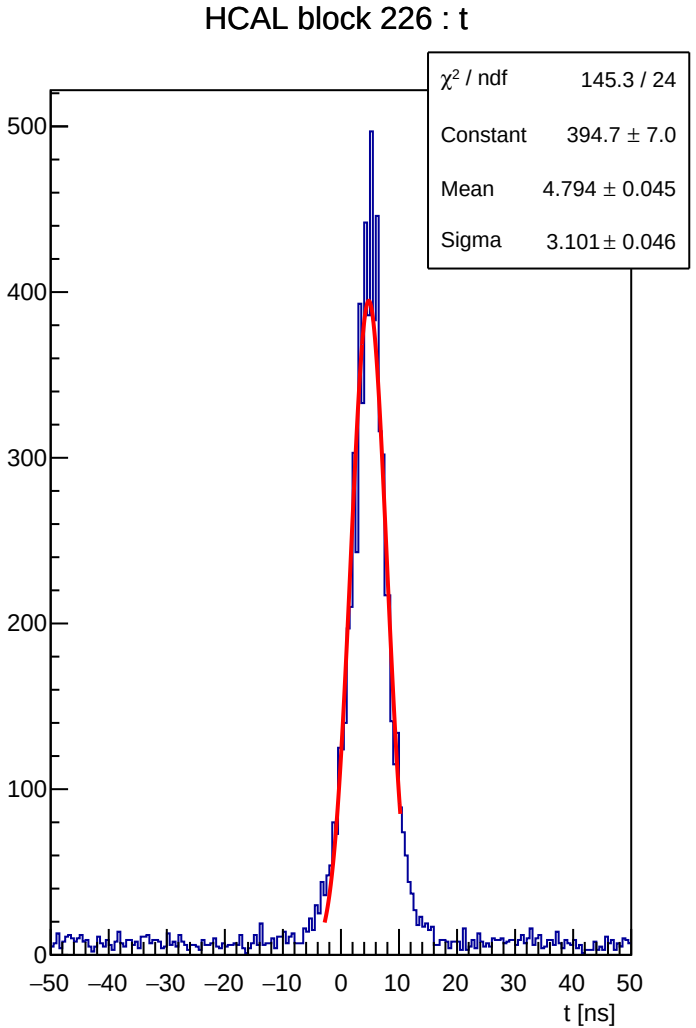

HCAL block 223 : t tw corr
χ² / ndf 59.94 / 30
Constant 179.4 ± 4.4
Mean −7.283 ± 0.074
Sigma 3.609 ± 0.076
t tw corr [ns]

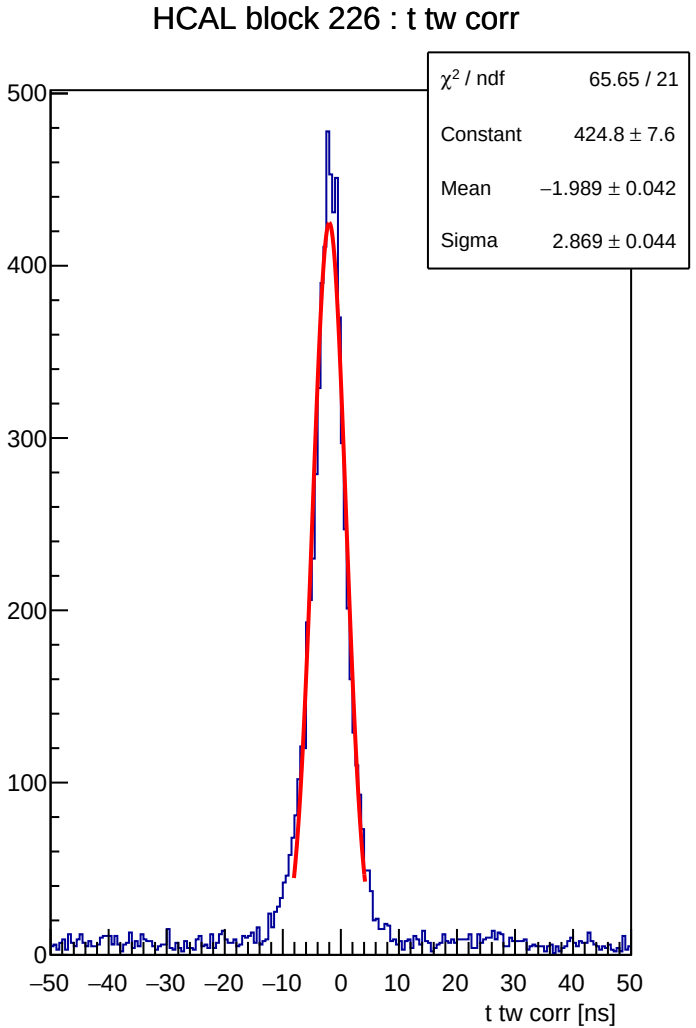

HCAL block 224 : t
χ² / ndf 130 / 25
Constant 229 ± 5.3
Mean 4.409 ± 0.059
Sigma 3.186 ± 0.061
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

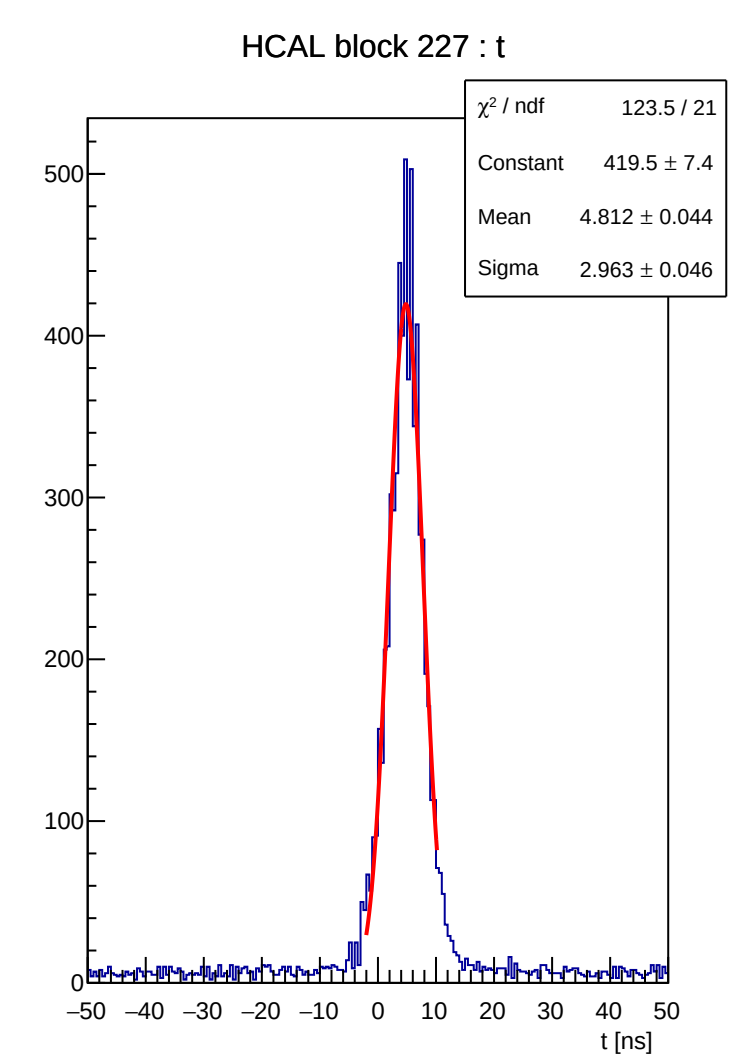

HCAL block 224 : t tw corr
χ² / ndf 50.2 / 25
Constant 235.8 ± 5.3
Mean –4.886 ± 0.059
Sigma 3.136 ± 0.057
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

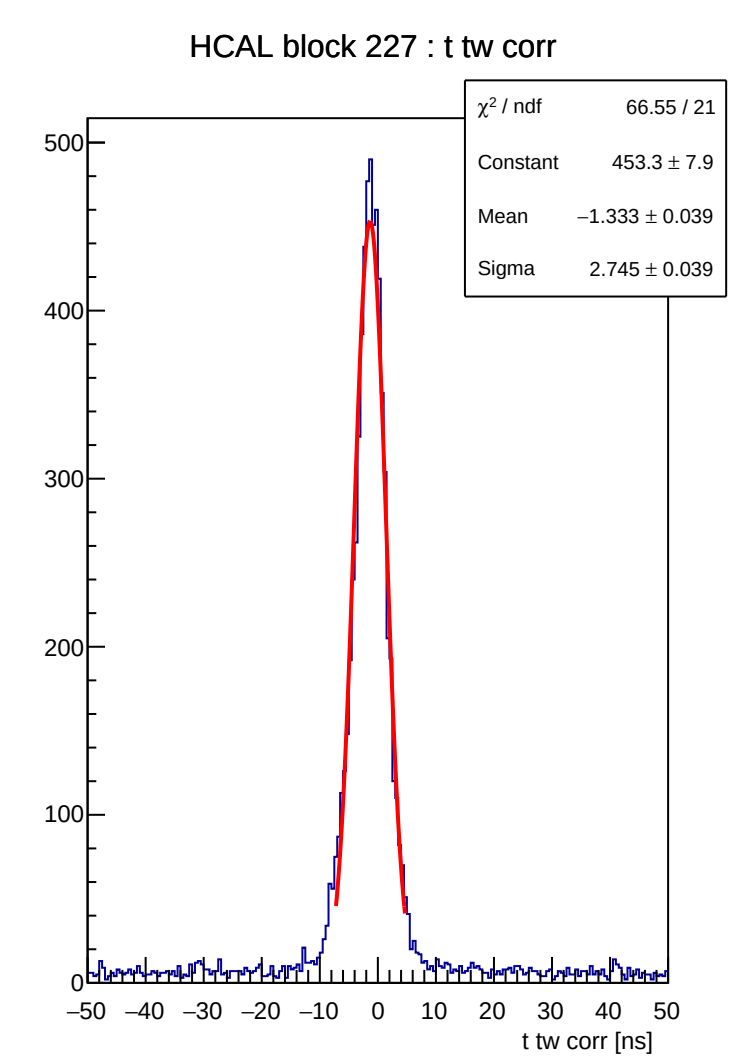

HCAL block 225 : t
χ² / ndf 113.6 / 26
Constant 329 ± 6.3
Mean 4.79 ± 0.05
Sigma 3.25 ± 0.05
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

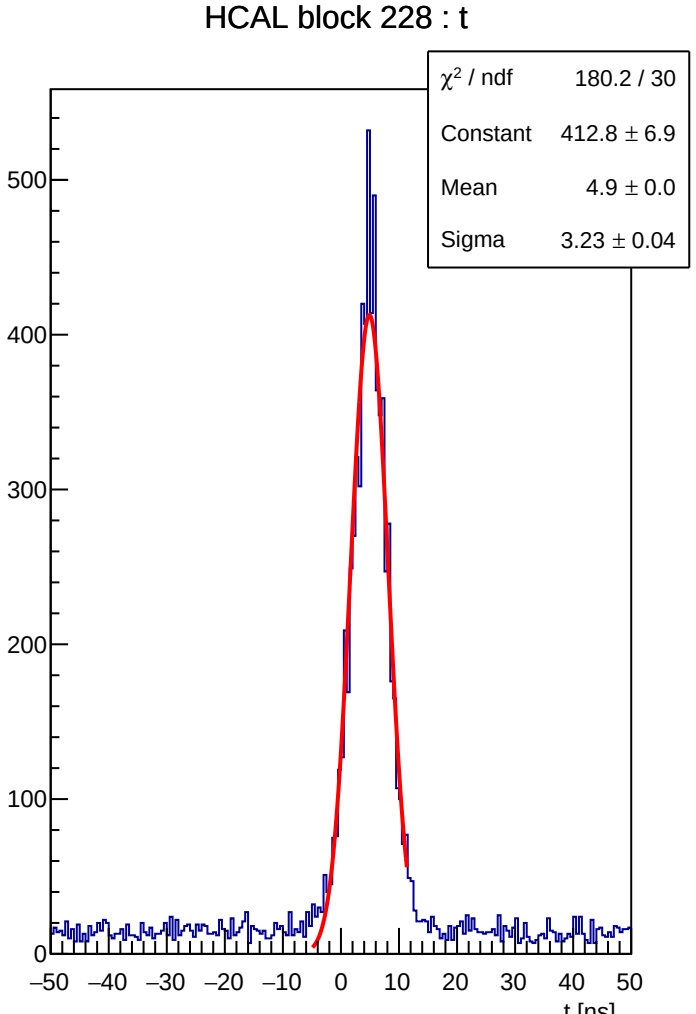

HCAL block 225 : t tw corr
χ² / ndf 79.61 / 26
Constant 340 ± 6.4
Mean –1.836 ± 0.047
Sigma 3.136 ± 0.046
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

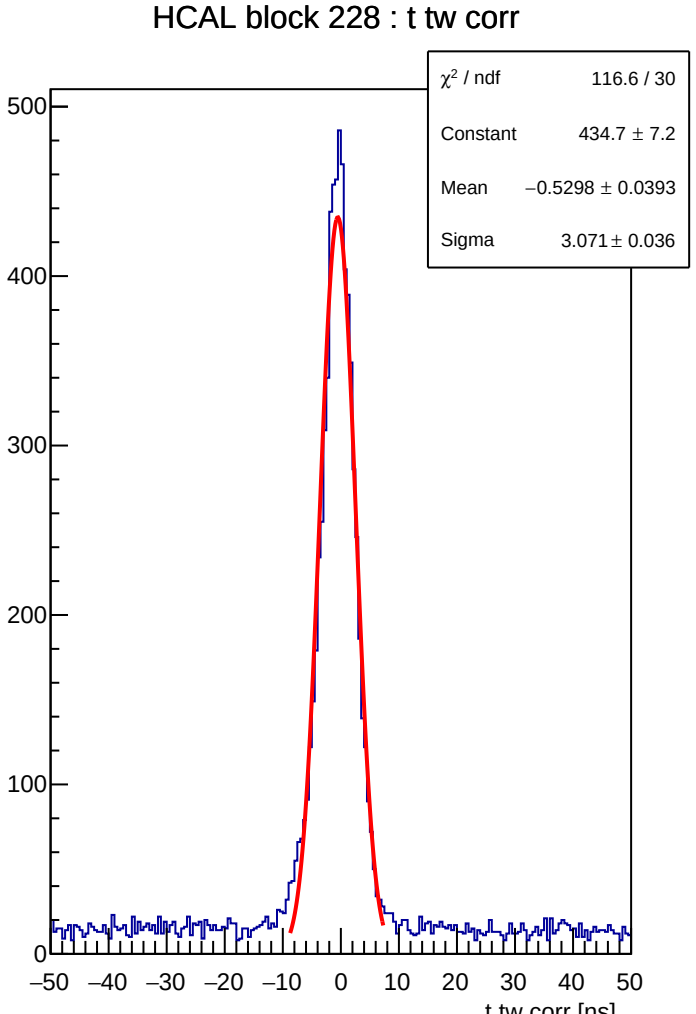

HCAL block 226 : t
χ² / ndf 145.3 / 24
Constant 394.7 ± 7.0
Mean 4.794 ± 0.045
Sigma 3.101 ± 0.046
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

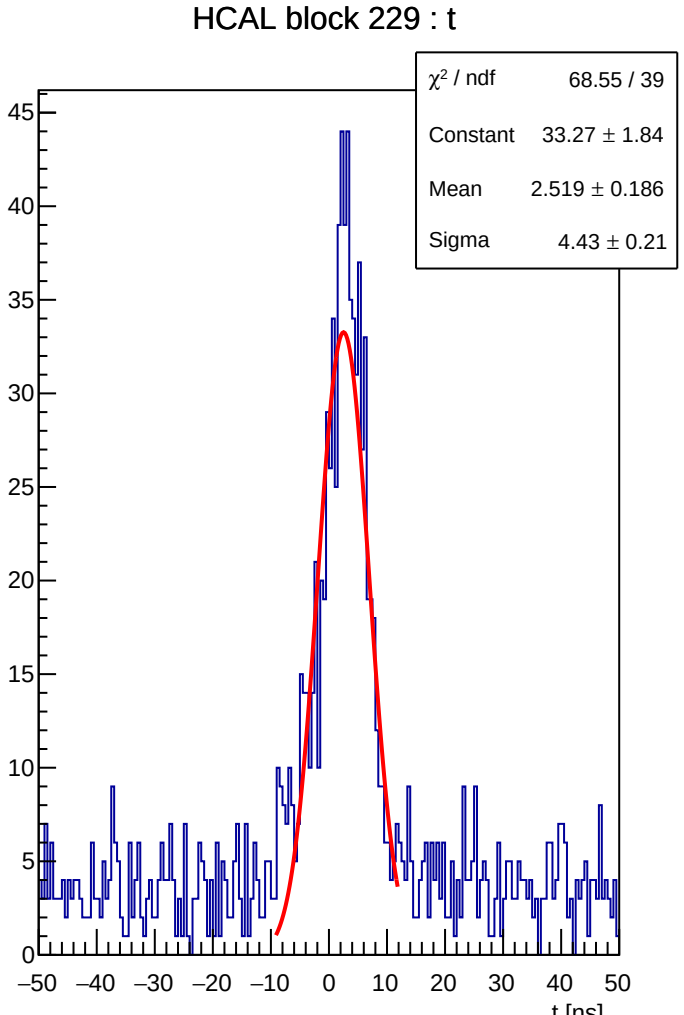

HCAL block 226 : t tw corr
χ² / ndf 65.65 / 21
Constant 424.8 ± 7.6
Mean –1.989 ± 0.042
Sigma 2.869 ± 0.044
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

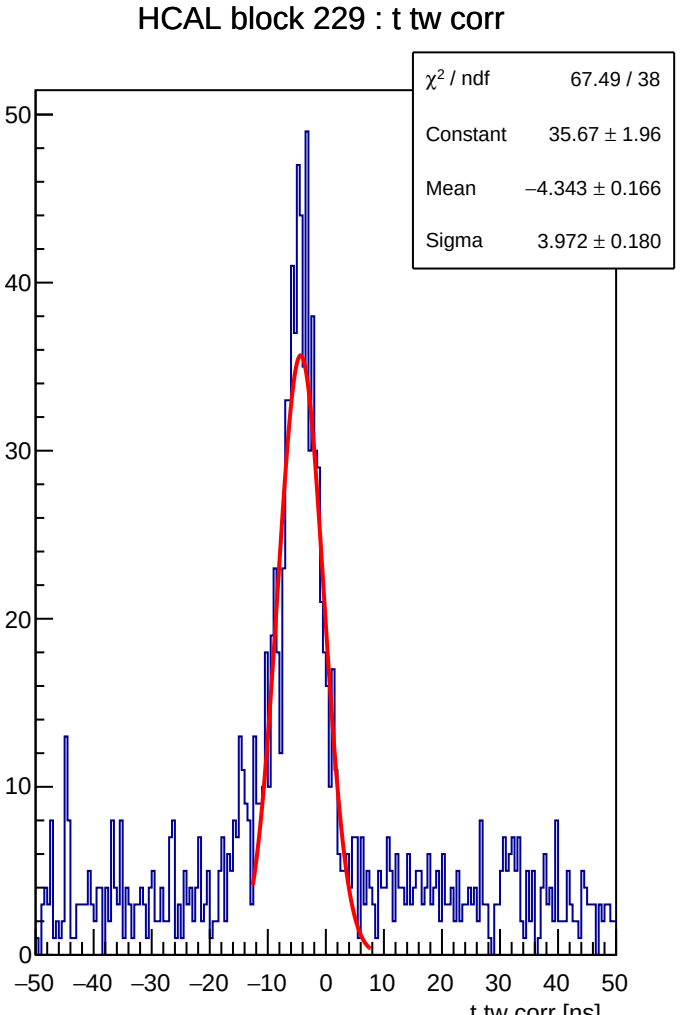

HCAL block 227 : t
χ² / ndf 123.5 / 21
Constant 419.5 ± 7.4
Mean 4.812 ± 0.044
Sigma 2.963 ± 0.046
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

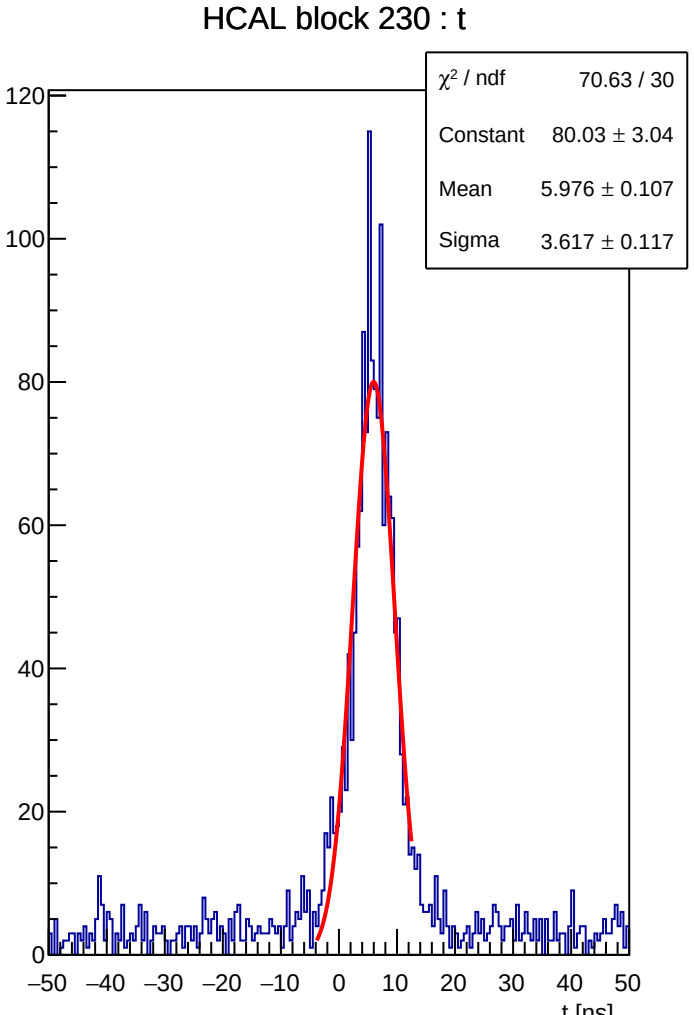

HCAL block 227 : t tw corr
χ² / ndf 66.55 / 21
Constant 453.3 ± 7.9
Mean –1.333 ± 0.039
Sigma 2.745 ± 0.039
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

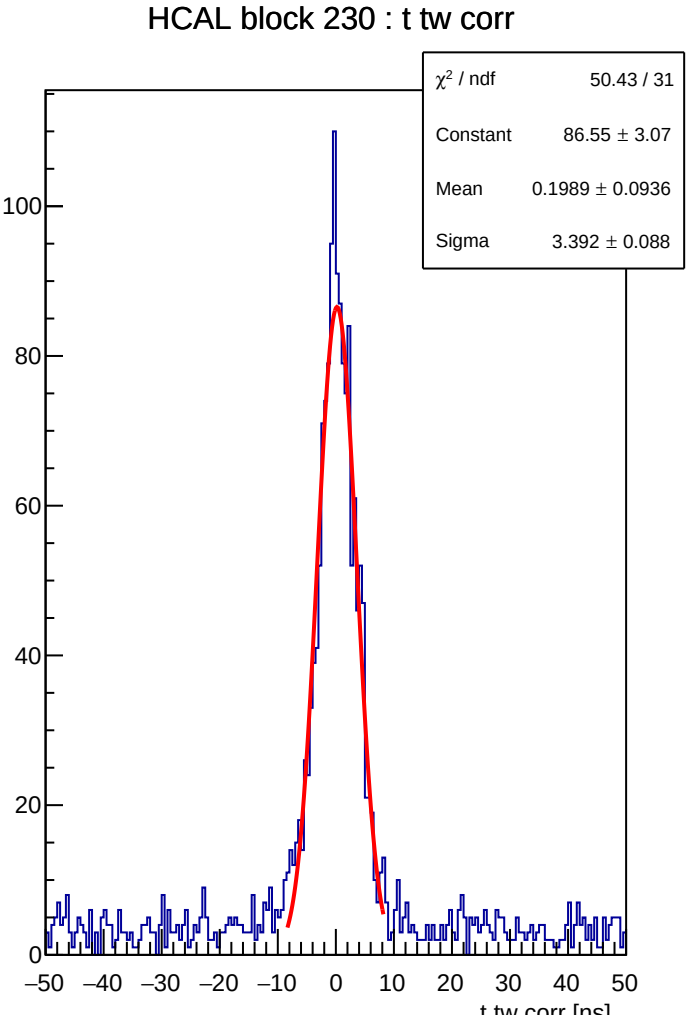

HCAL block 228 : t
χ² / ndf 180.2 / 30
Constant 412.8 ± 6.9
Mean 4.9 ± 0.0
Sigma 3.23 ± 0.04
500
400
300
200
100
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t [ns]

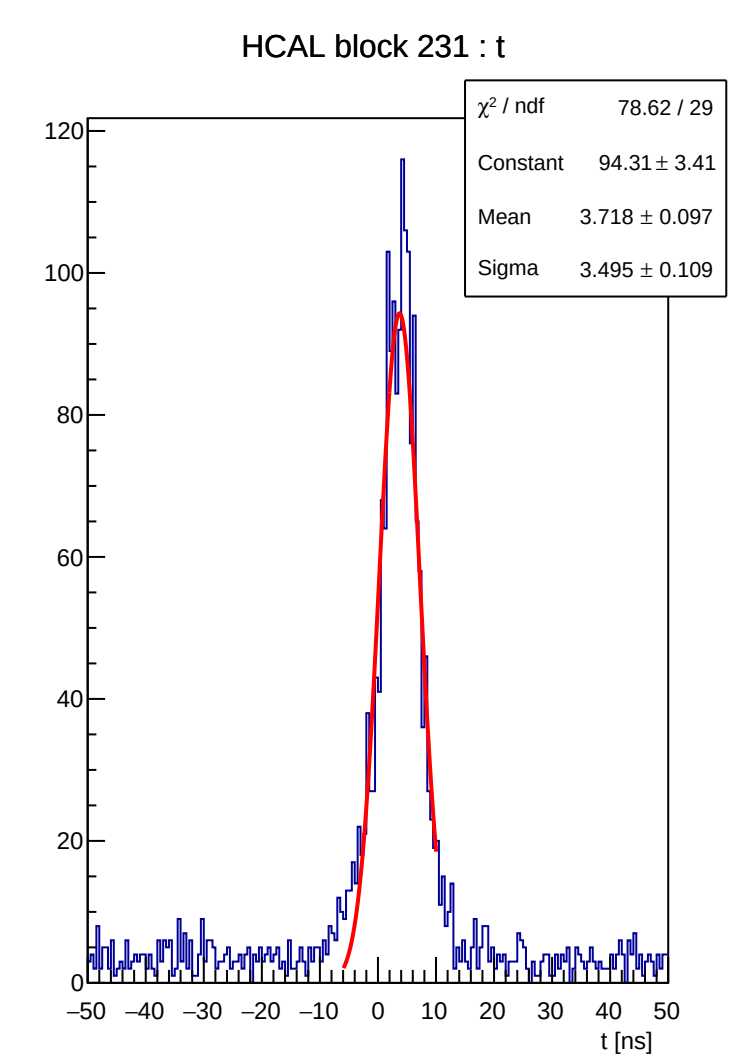

HCAL block 228 : t tw corr
χ² / ndf 116.6 / 30
Constant 434.7 ± 7.2
Mean −0.5298 ± 0.0393
Sigma 3.071 ± 0.036
500
400
300
200
100
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t tw corr [ns]

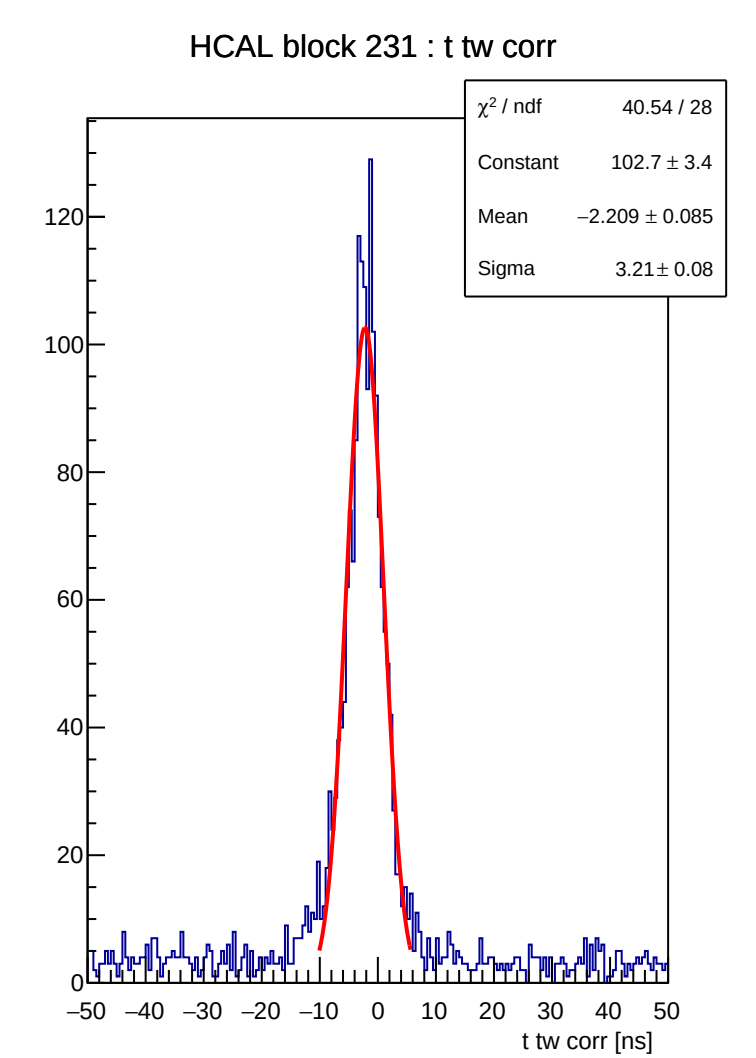

HCAL block 229 : t
χ² / ndf 68.55 / 39
Constant 33.27 ± 1.84
Mean 2.519 ± 0.186
Sigma 4.43 ± 0.21
t [ns]

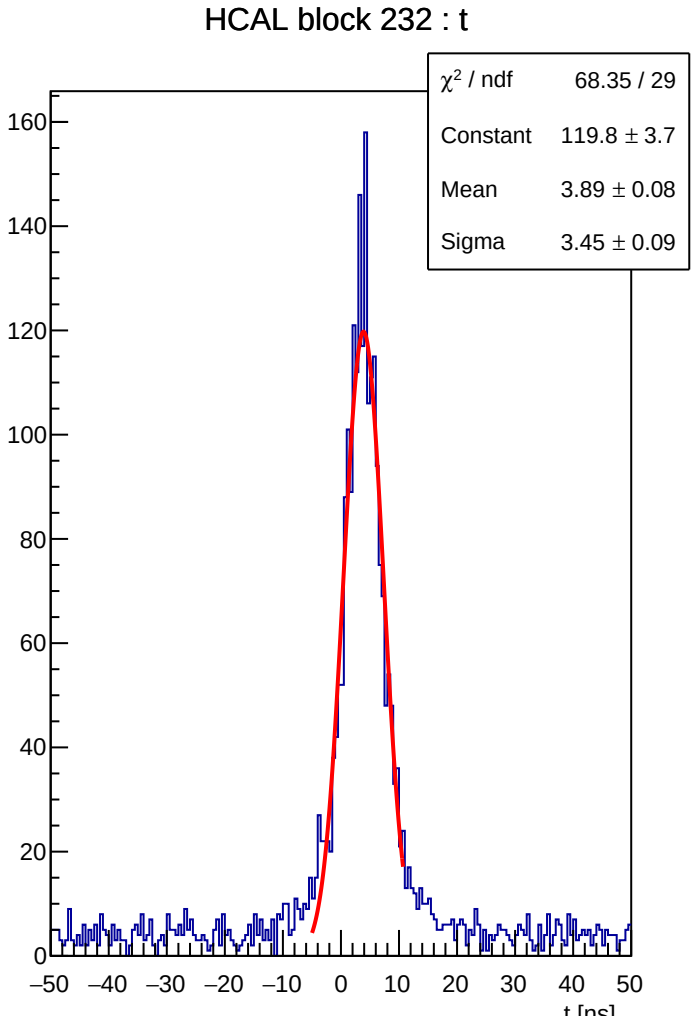

HCAL block 229 : t tw corr
χ² / ndf 67.49 / 38
Constant 35.67 ± 1.96
Mean −4.343 ± 0.166
Sigma 3.972 ± 0.180
t tw corr [ns]

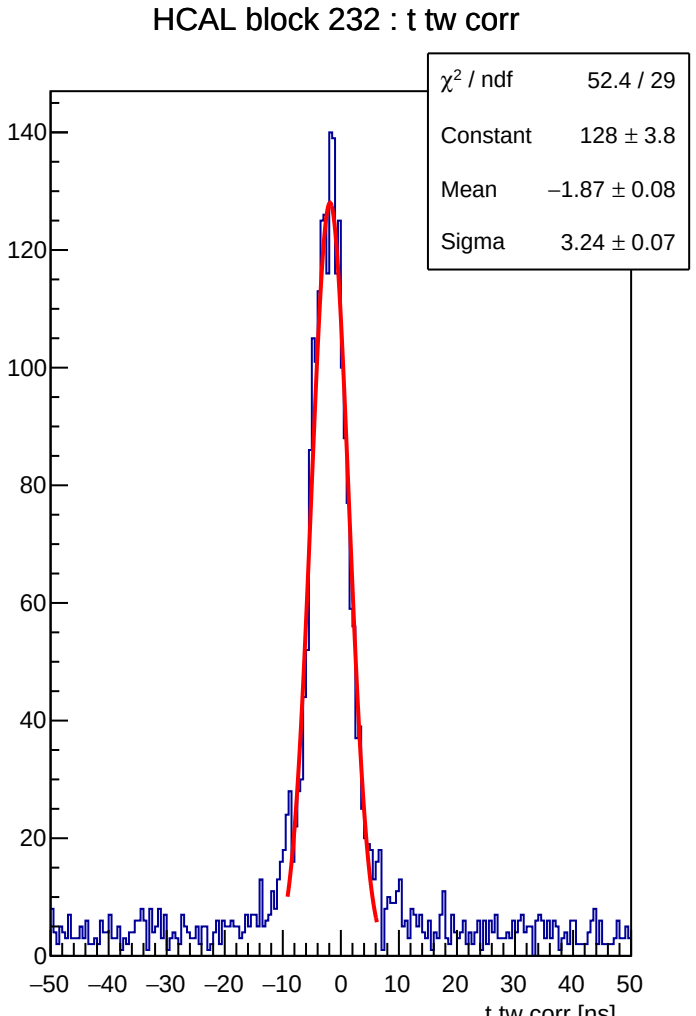

HCAL block 230 : t
χ² / ndf 70.63 / 30
Constant 80.03 ± 3.04
Mean 5.976 ± 0.107
Sigma 3.617 ± 0.117
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

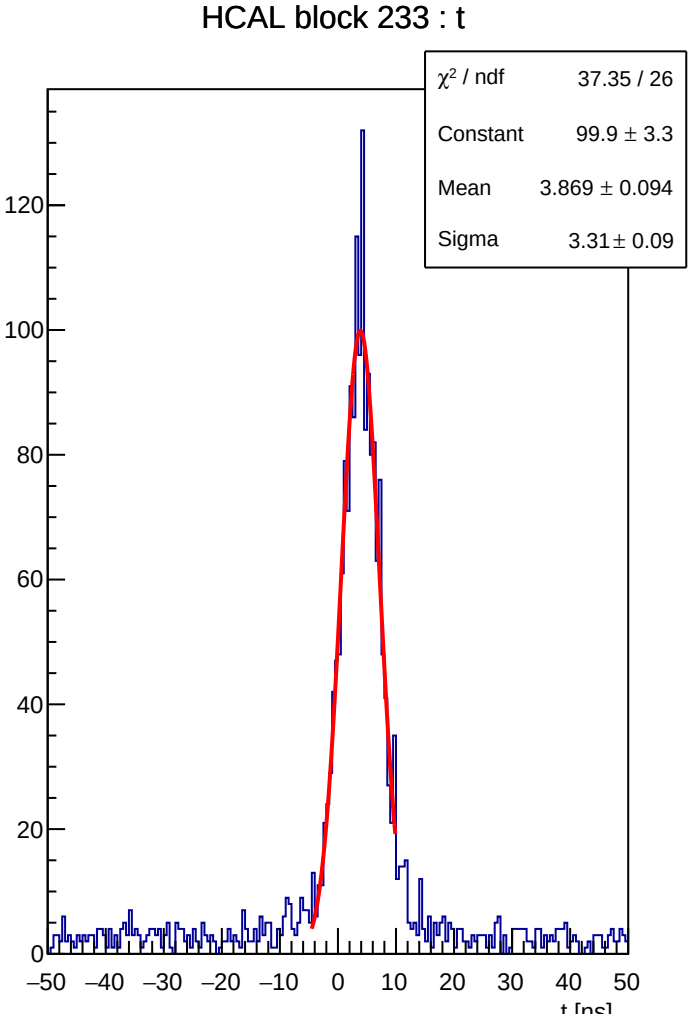

HCAL block 230 : t tw corr
χ² / ndf 50.43 / 31
Constant 86.55 ± 3.07
Mean 0.1989 ± 0.0936
Sigma 3.392 ± 0.088
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

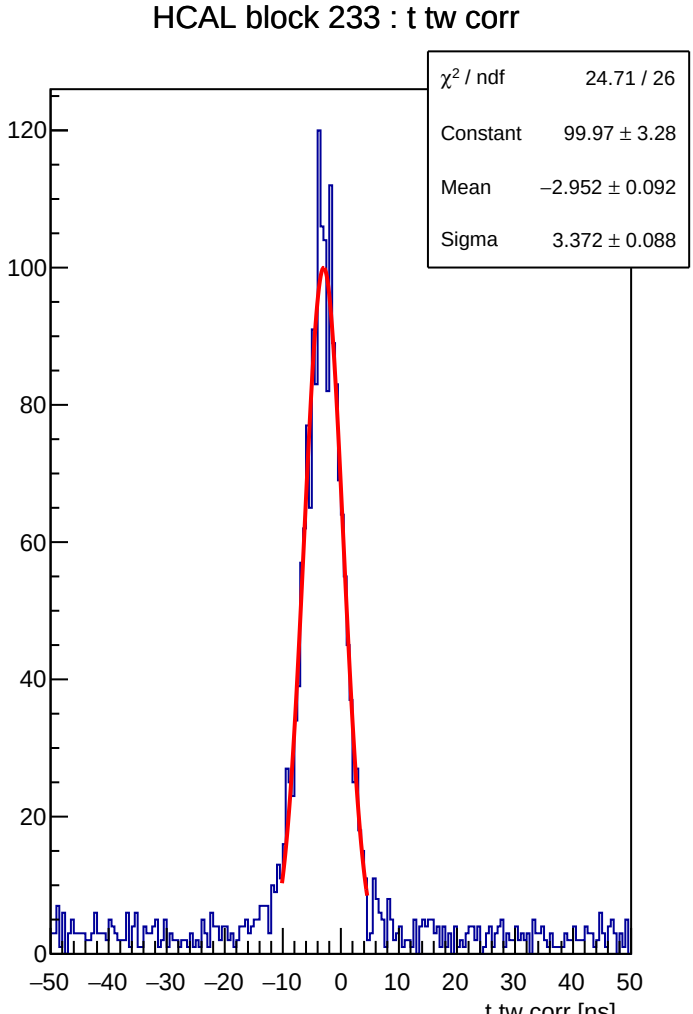

HCAL block 231 : t
χ² / ndf 78.62 / 29
Constant 94.31 ± 3.41
Mean 3.718 ± 0.097
Sigma 3.495 ± 0.109
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

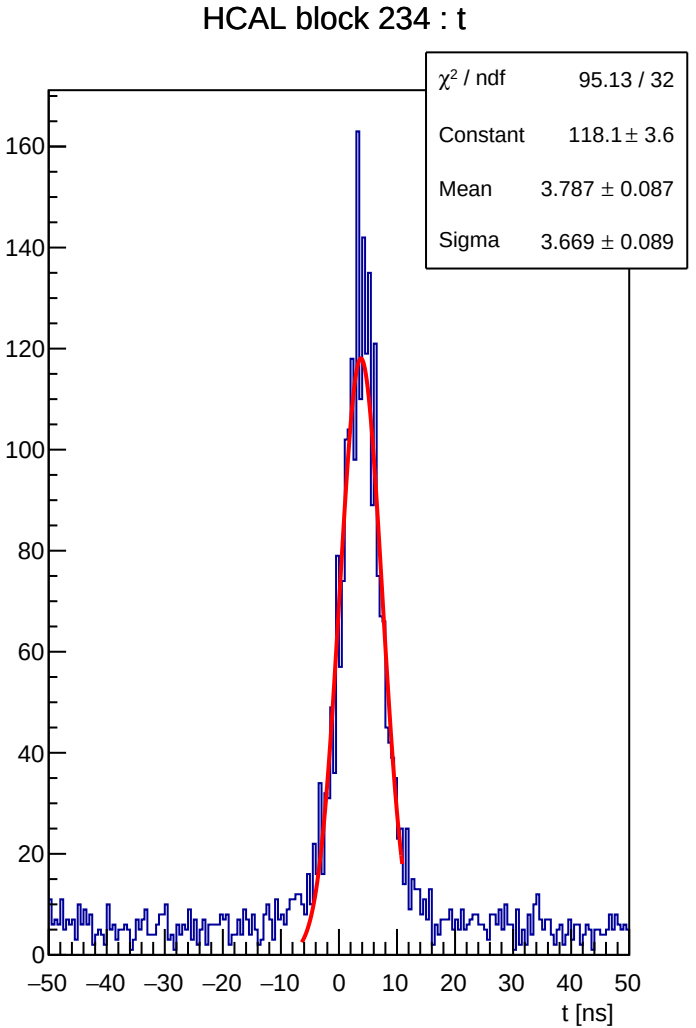

HCAL block 231 : t tw corr
χ² / ndf 40.54 / 28
Constant 102.7 ± 3.4
Mean –2.209 ± 0.085
Sigma 3.21 ± 0.08
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

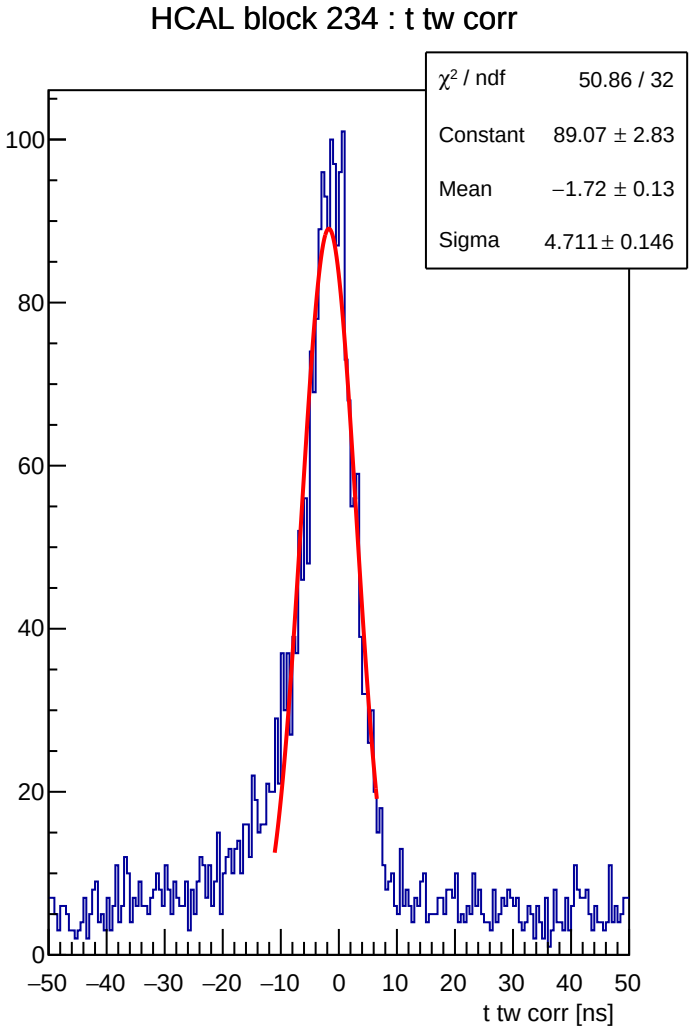

HCAL block 232 : t
χ² / ndf 68.35 / 29
Constant 119.8 ± 3.7
Mean 3.89 ± 0.08
Sigma 3.45 ± 0.09
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

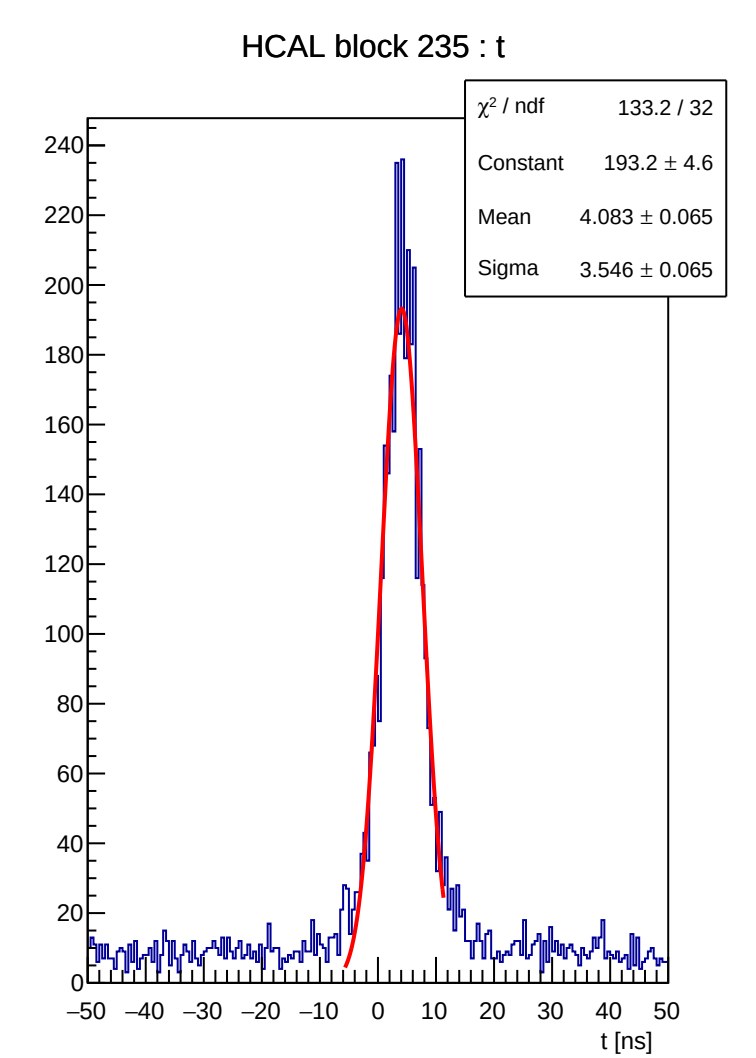

HCAL block 232 : t tw corr
χ² / ndf 52.4 / 29
Constant 128 ± 3.8
Mean –1.87 ± 0.08
Sigma 3.24 ± 0.07
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

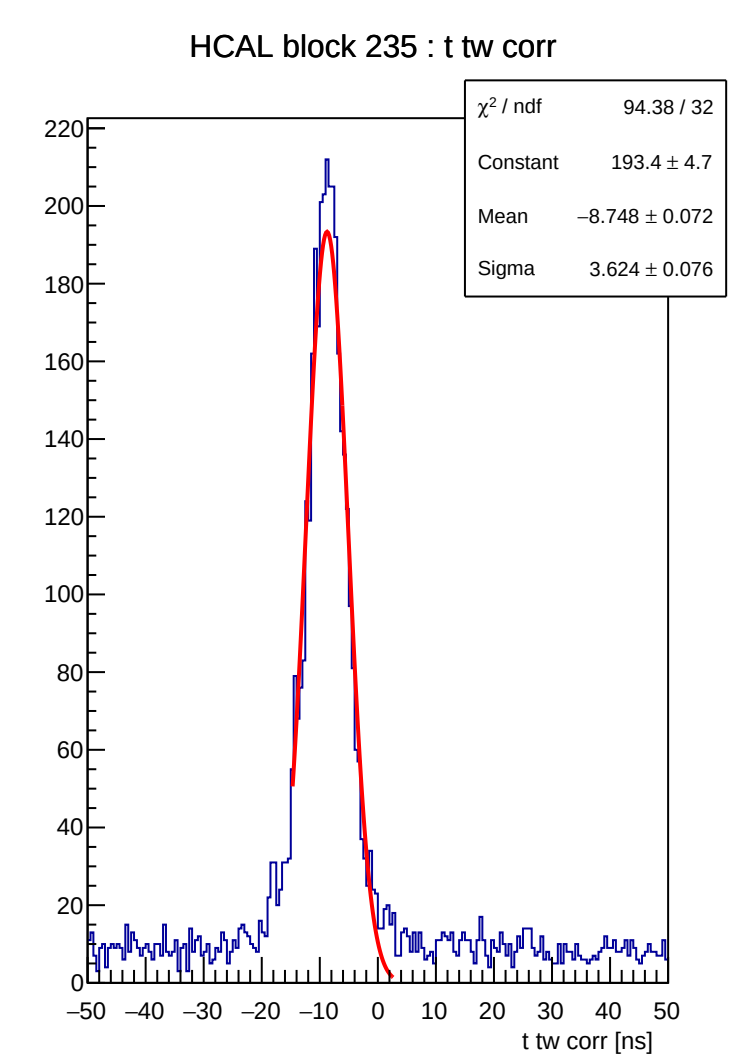

HCAL block 233 : t
χ² / ndf 37.35 / 26
Constant 99.9 ± 3.3
Mean 3.869 ± 0.094
Sigma 3.31 ± 0.09
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

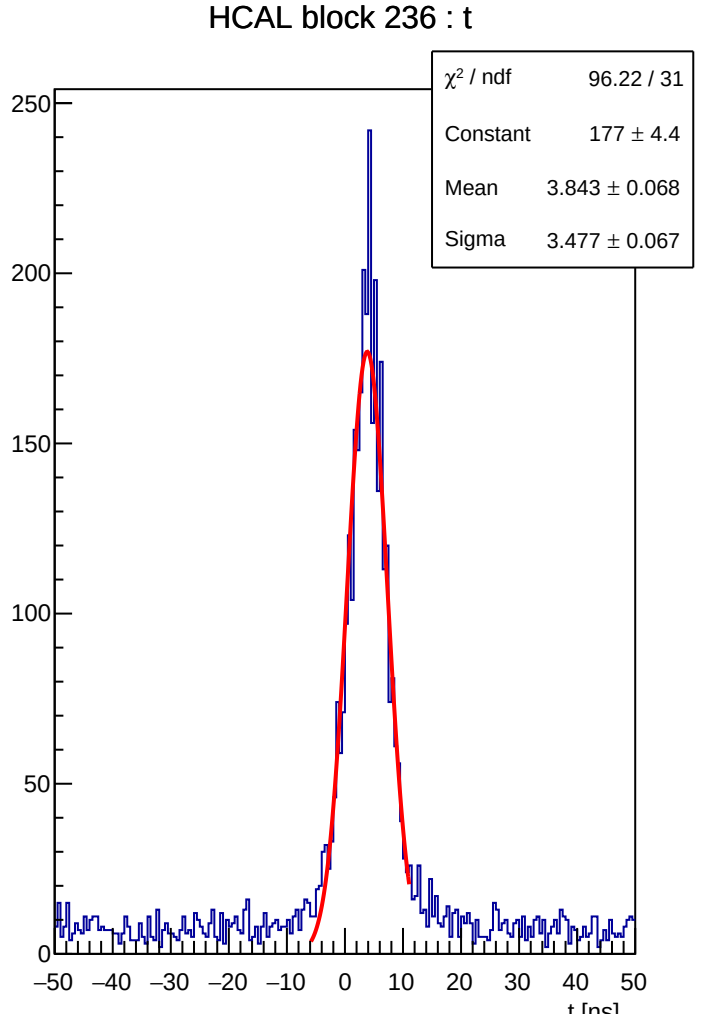

HCAL block 233 : t tw corr
χ² / ndf 24.71 / 26
Constant 99.97 ± 3.28
Mean –2.952 ± 0.092
Sigma 3.372 ± 0.088
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

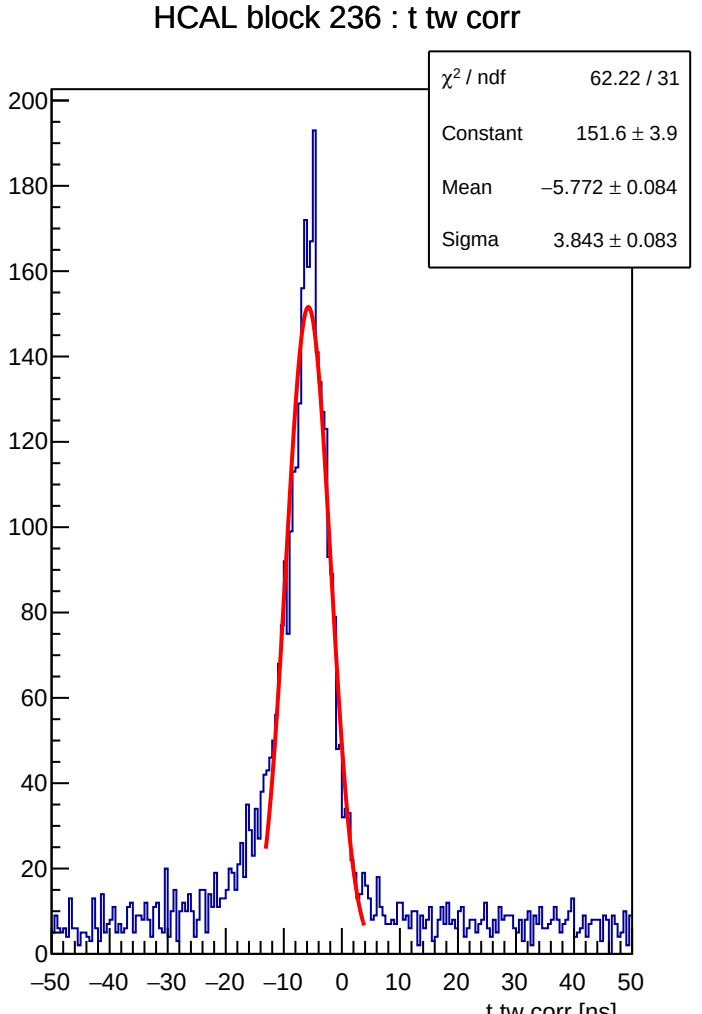

HCAL block 234 : t
χ² / ndf 95.13 / 32
Constant 118.1 ± 3.6
Mean 3.787 ± 0.087
Sigma 3.669 ± 0.089
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

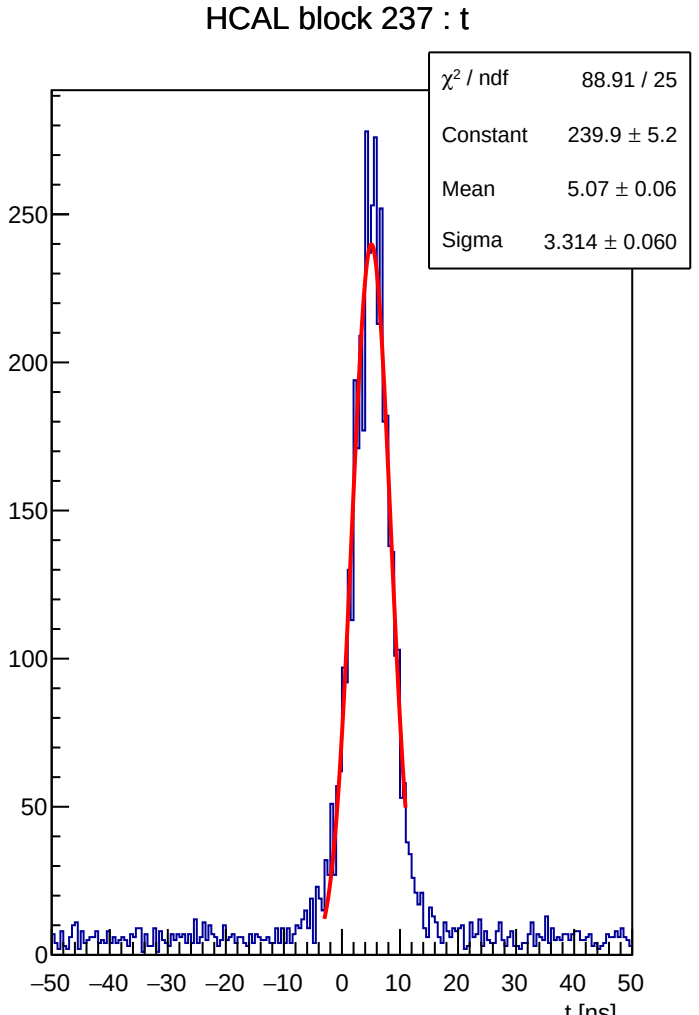

HCAL block 234 : t tw corr
χ² / ndf 50.86 / 32
Constant 89.07 ± 2.83
Mean –1.72 ± 0.13
Sigma 4.711 ± 0.146
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

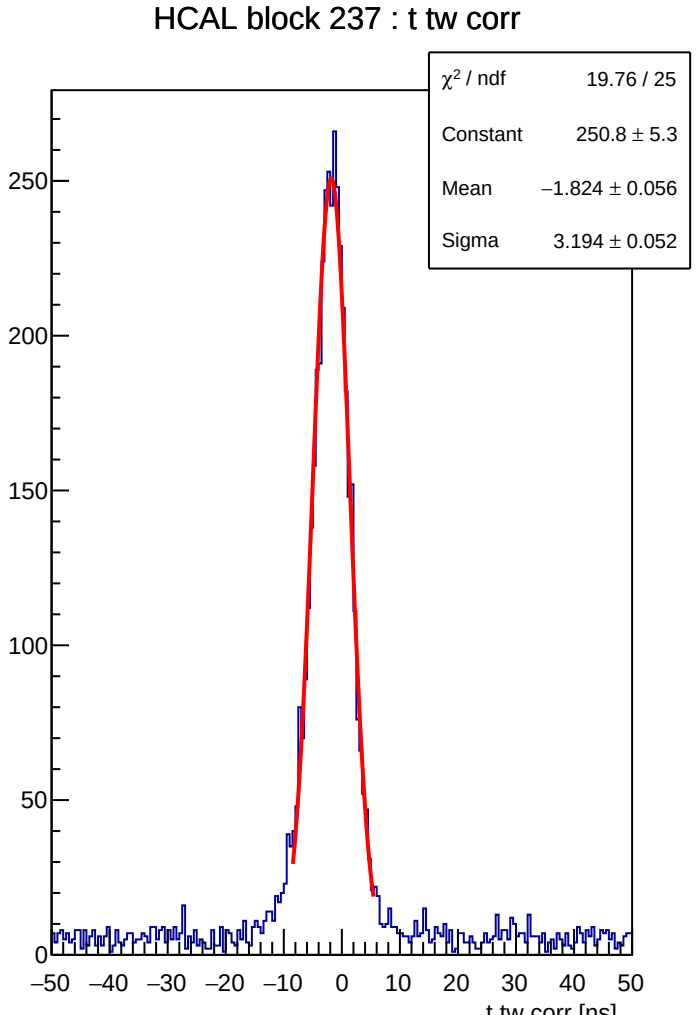

HCAL block 235 : t
χ² / ndf 133.2 / 32
Constant 193.2 ± 4.6
Mean 4.083 ± 0.065
Sigma 3.546 ± 0.065
t [ns]

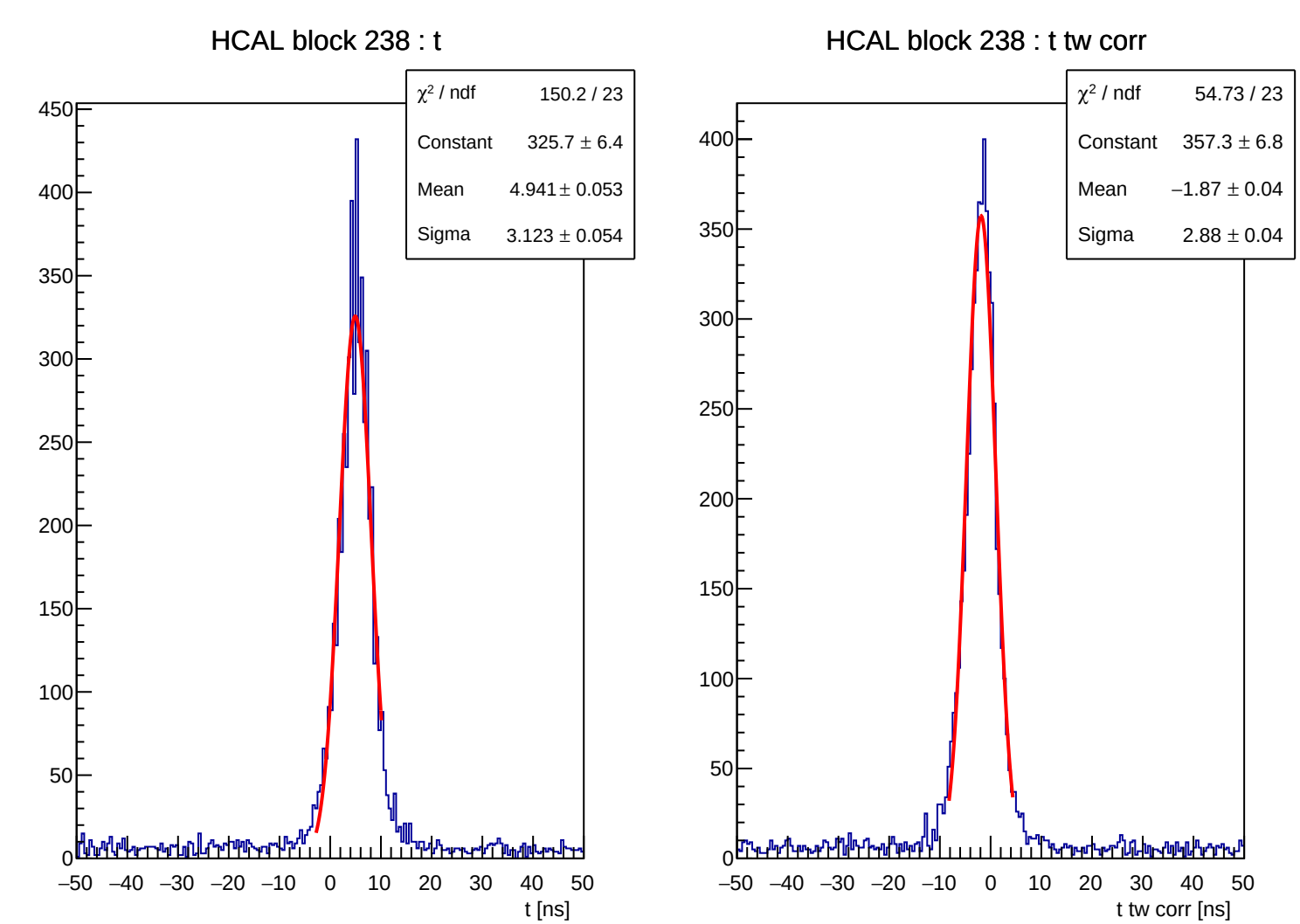

HCAL block 235 : t tw corr
χ² / ndf 94.38 / 32
Constant 193.4 ± 4.7
Mean −8.748 ± 0.072
Sigma 3.624 ± 0.076
t tw corr [ns]

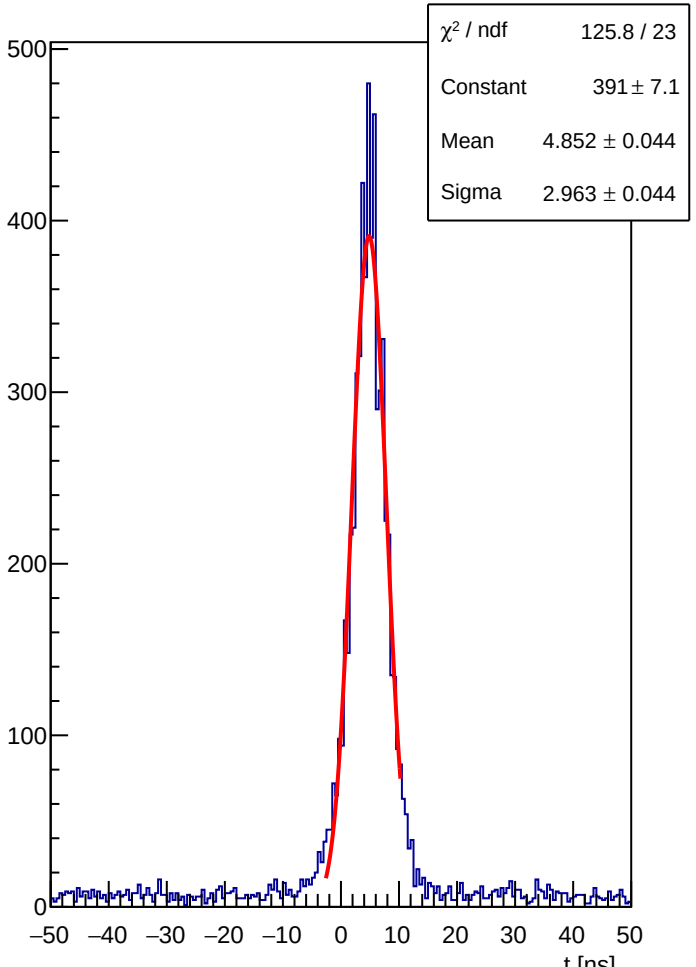

HCAL block 236 : t
χ² / ndf 96.22 / 31
Constant 177 ± 4.4
Mean 3.843 ± 0.068
Sigma 3.477 ± 0.067
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

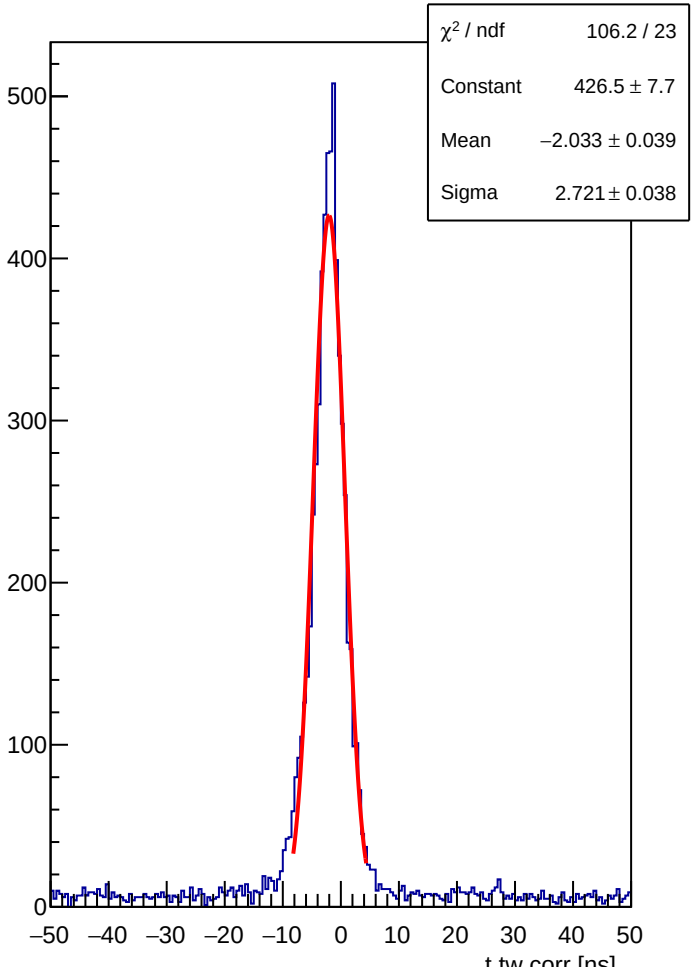

HCAL block 236 : t tw corr
χ² / ndf 62.22 / 31
Constant 151.6 ± 3.9
Mean –5.772 ± 0.084
Sigma 3.843 ± 0.083
200
180
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

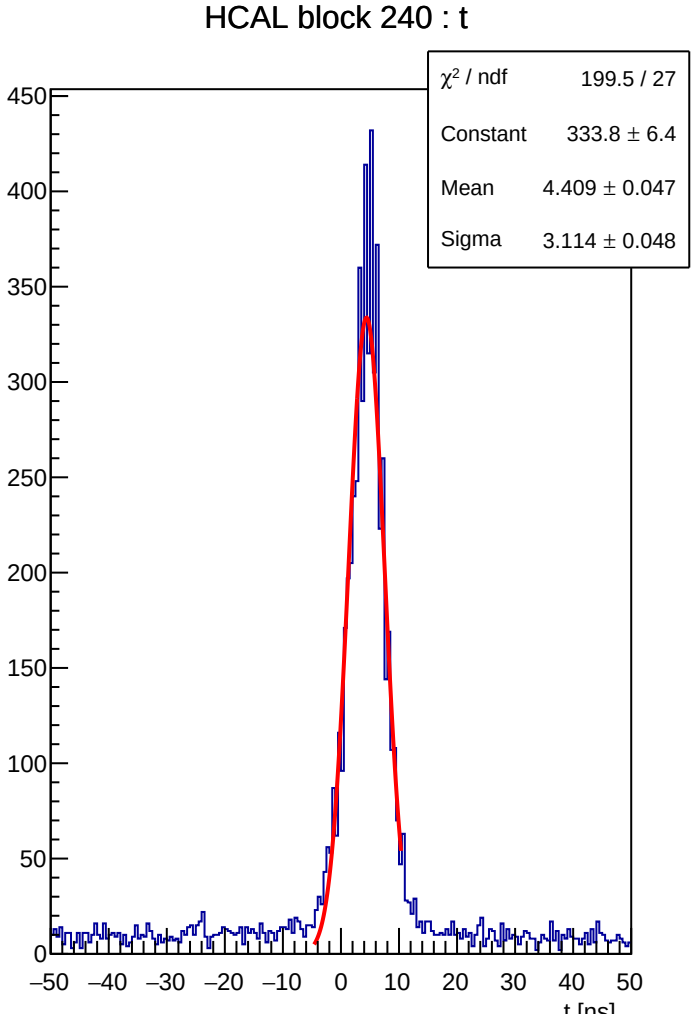

HCAL block 237 : t
χ² / ndf 88.91 / 25
Constant 239.9 ± 5.2
Mean 5.07 ± 0.06
Sigma 3.314 ± 0.060
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

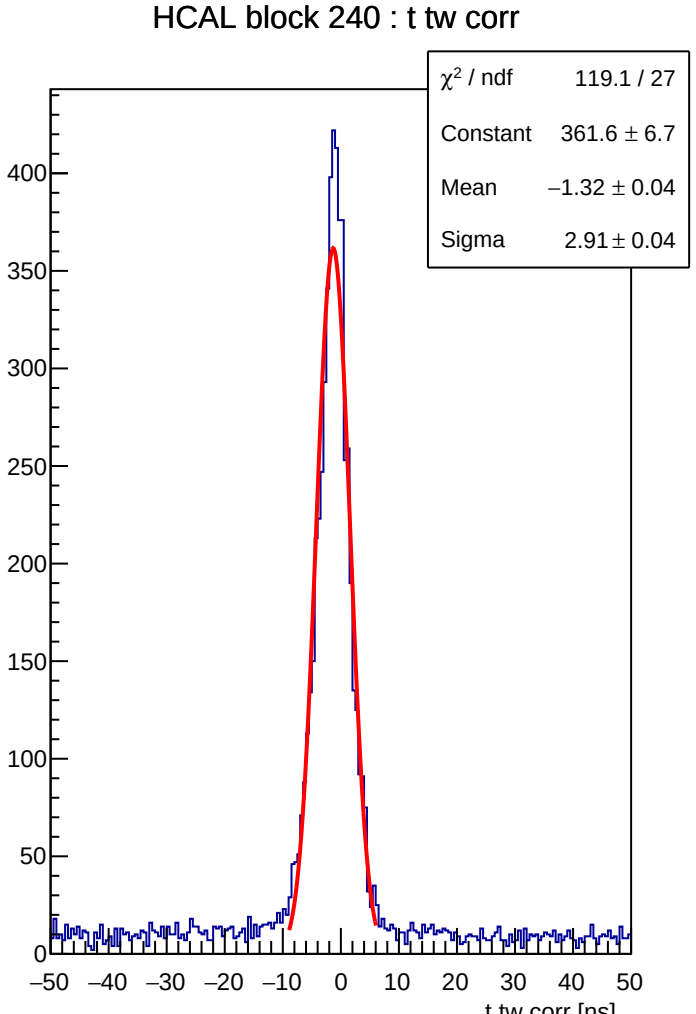

HCAL block 237 : t tw corr
χ² / ndf 19.76 / 25
Constant 250.8 ± 5.3
Mean –1.824 ± 0.056
Sigma 3.194 ± 0.052
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

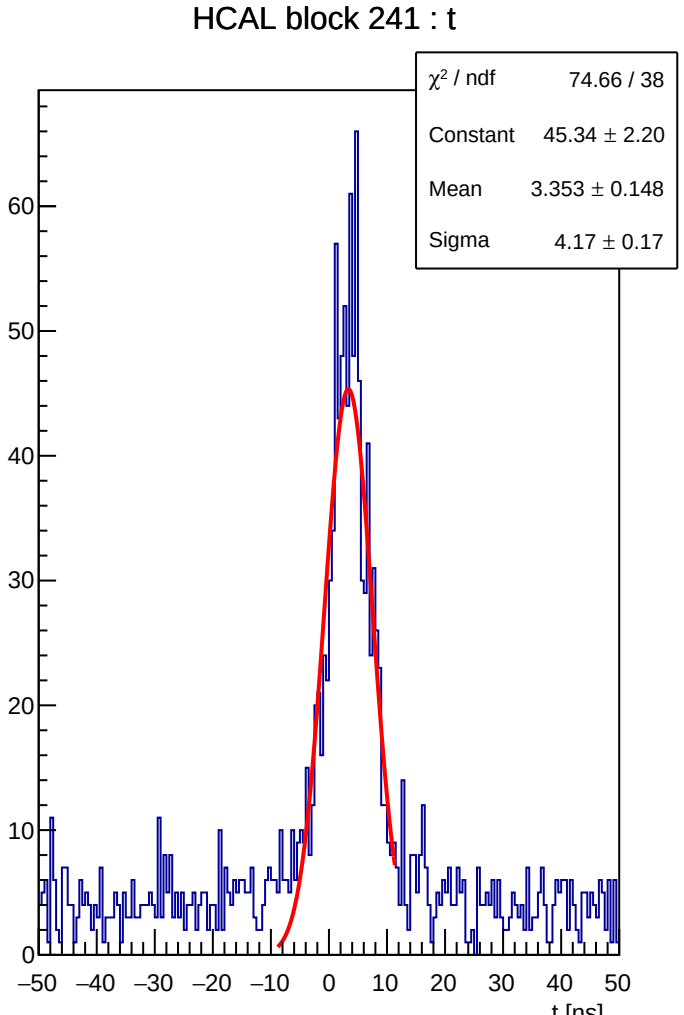

HCAL block 238 : t
χ² / ndf 150.2 / 23
Constant 325.7 ± 6.4
Mean 4.941 ± 0.053
Sigma 3.123 ± 0.054
t [ns]
HCAL block 238 : t tw corr
χ² / ndf 54.73 / 23
Constant 357.3 ± 6.8
Mean −1.87 ± 0.04
Sigma 2.88 ± 0.04
t tw corr [ns]

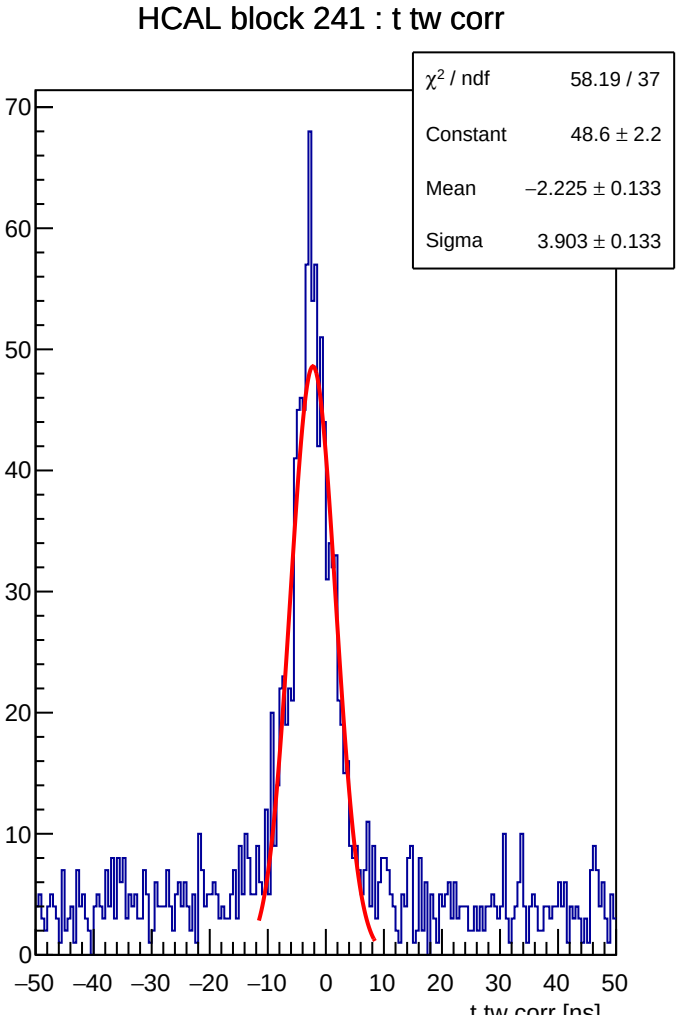

HCAL block 239 : t
χ² / ndf 125.8 / 23
Constant 391 ± 7.1
Mean 4.852 ± 0.044
Sigma 2.963 ± 0.044
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

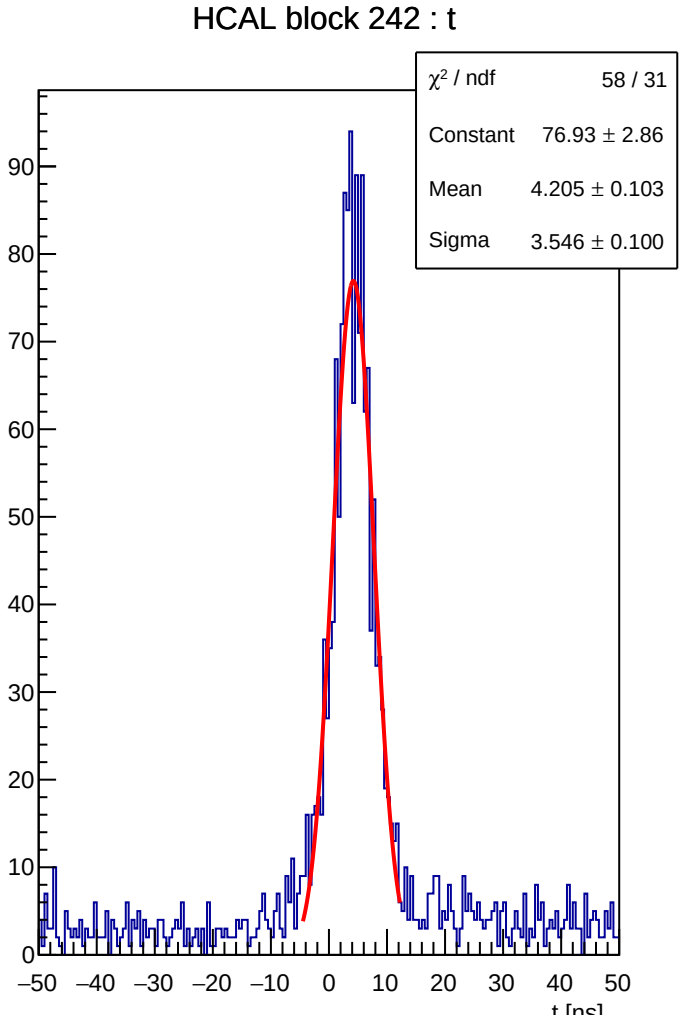

HCAL block 239 : t tw corr
χ² / ndf 106.2 / 23
Constant 426.5 ± 7.7
Mean –2.033 ± 0.039
Sigma 2.721 ± 0.038
500
400
300
200
100
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

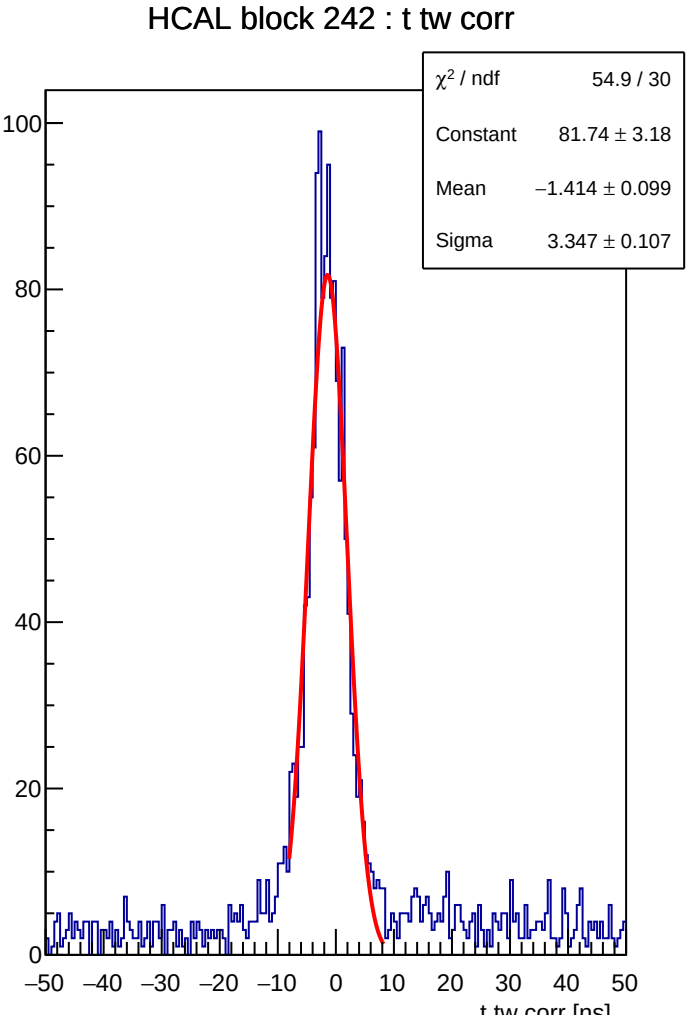

HCAL block 240 : t
χ² / ndf 199.5 / 27
Constant 333.8 ± 6.4
Mean 4.409 ± 0.047
Sigma 3.114 ± 0.048
t [ns]

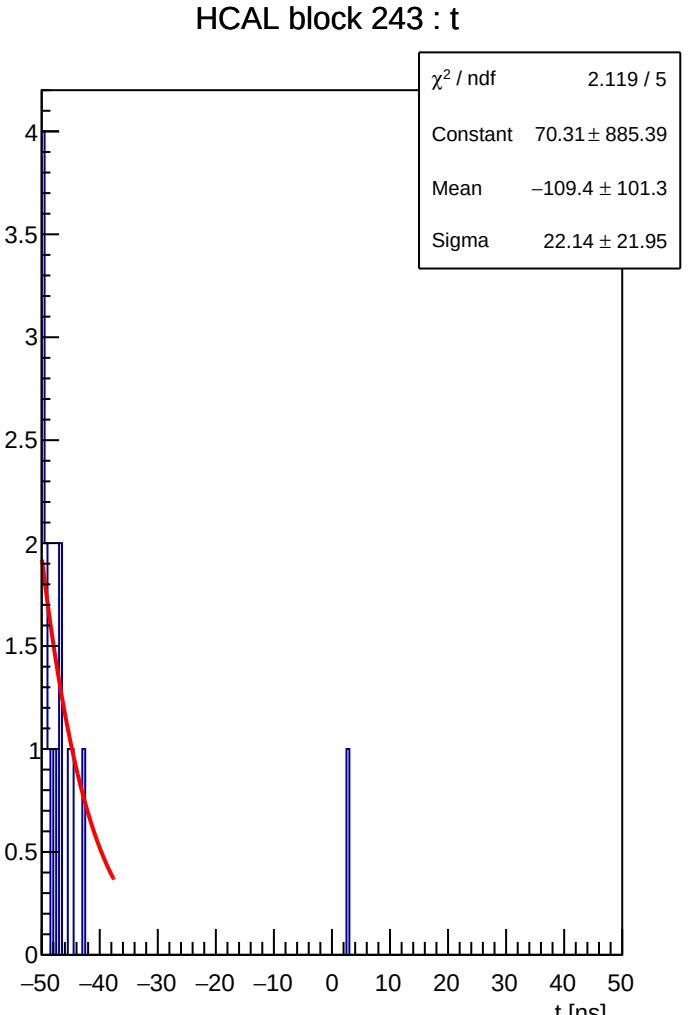

HCAL block 240 : t tw corr
χ² / ndf 119.1 / 27
Constant 361.6 ± 6.7
Mean −1.32 ± 0.04
Sigma 2.91 ± 0.04
t tw corr [ns]

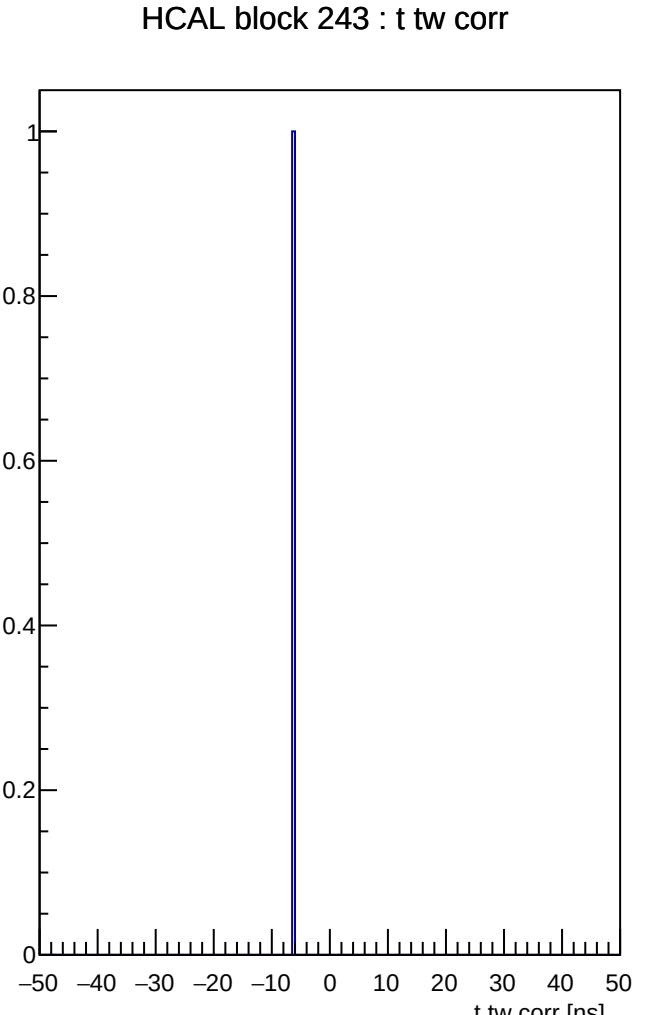

HCAL block 241 : t
χ² / ndf 74.66 / 38
Constant 45.34 ± 2.20
Mean 3.353 ± 0.148
Sigma 4.17 ± 0.17
t [ns]

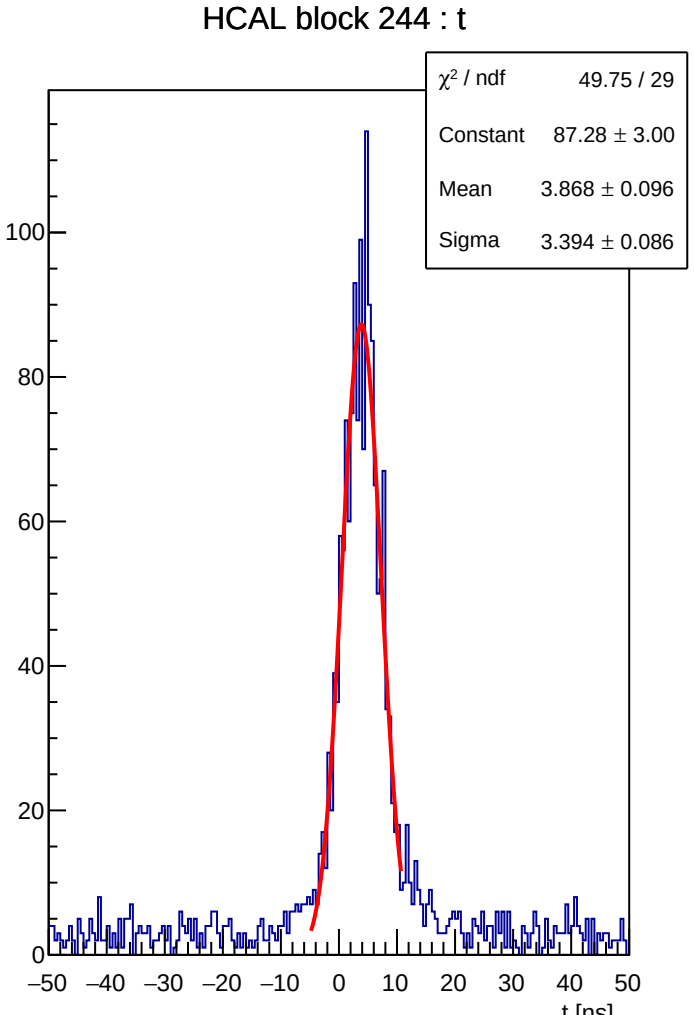

HCAL block 241 : t tw corr
χ² / ndf 58.19 / 37
Constant 48.6 ± 2.2
Mean −2.225 ± 0.133
Sigma 3.903 ± 0.133
t tw corr [ns]

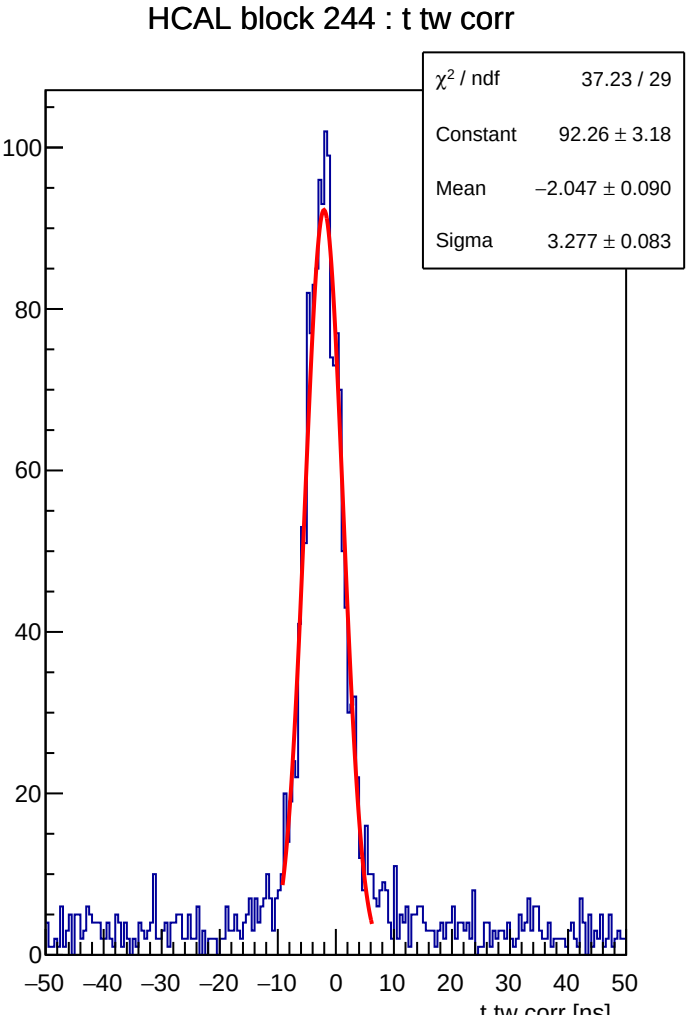

HCAL block 242 : t
χ² / ndf 58 / 31
Constant 76.93 ± 2.86
Mean 4.205 ± 0.103
Sigma 3.546 ± 0.100
t [ns]

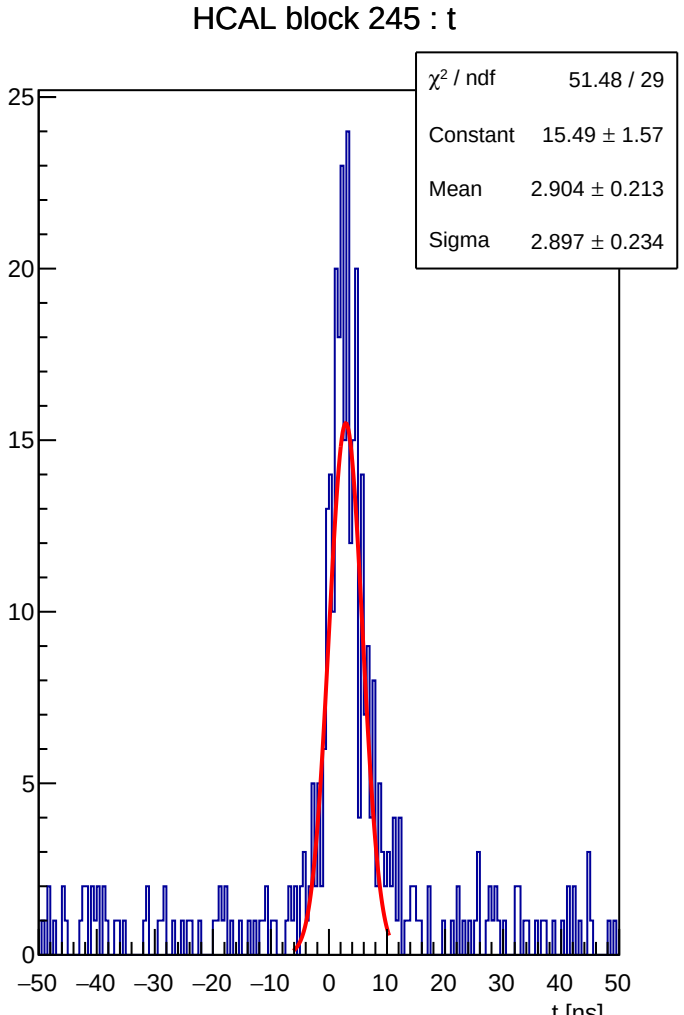

HCAL block 242 : t tw corr
χ² / ndf 54.9 / 30
Constant 81.74 ± 3.18
Mean −1.414 ± 0.099
Sigma 3.347 ± 0.107
t tw corr [ns]

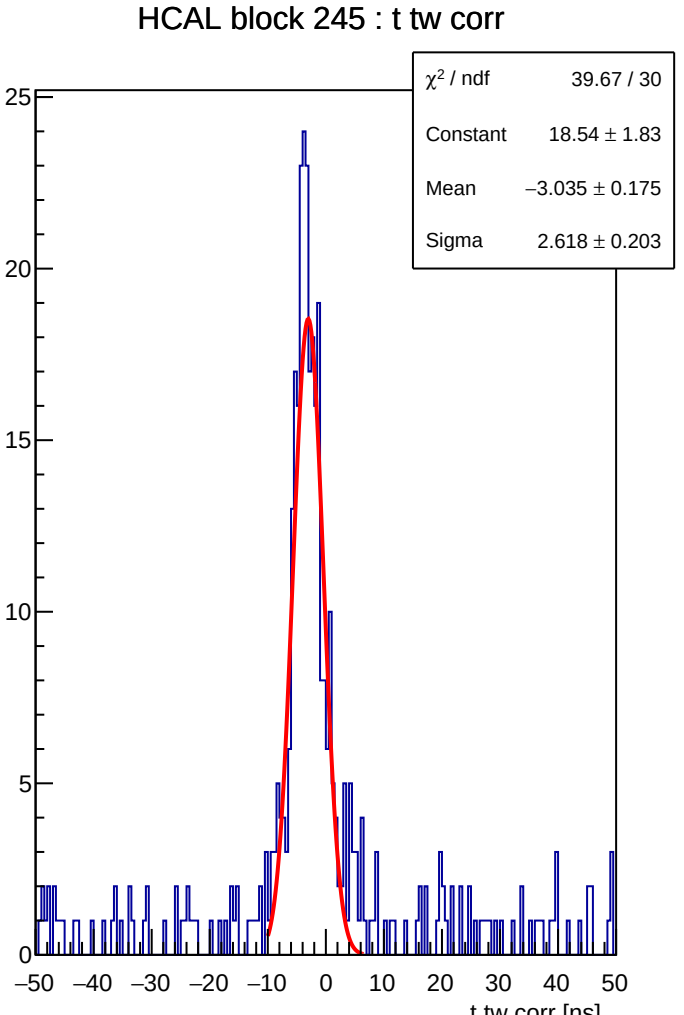

HCAL block 243 : t
χ² / ndf 2.119 / 5
Constant 70.31 ± 885.39
Mean −109.4 ± 101.3
Sigma 22.14 ± 21.95
4
3.5
3
2.5
2
1.5
1
0.5
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t [ns]

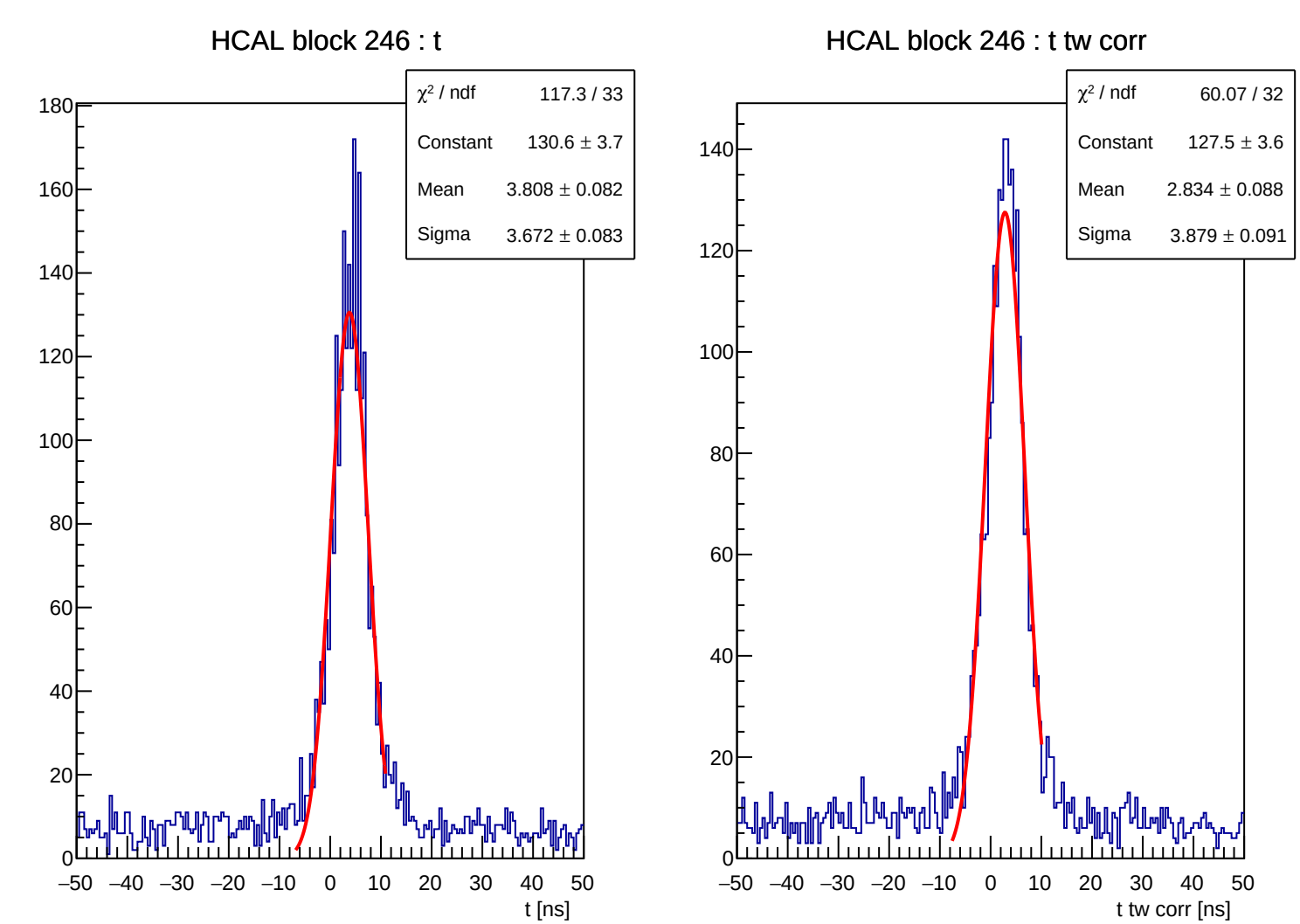

HCAL block 243 : t tw corr
1
0.8
0.6
0.4
0.2
0
−50 −40 −30 −20 −10 0 10 20 30 40 50
t tw corr [ns]

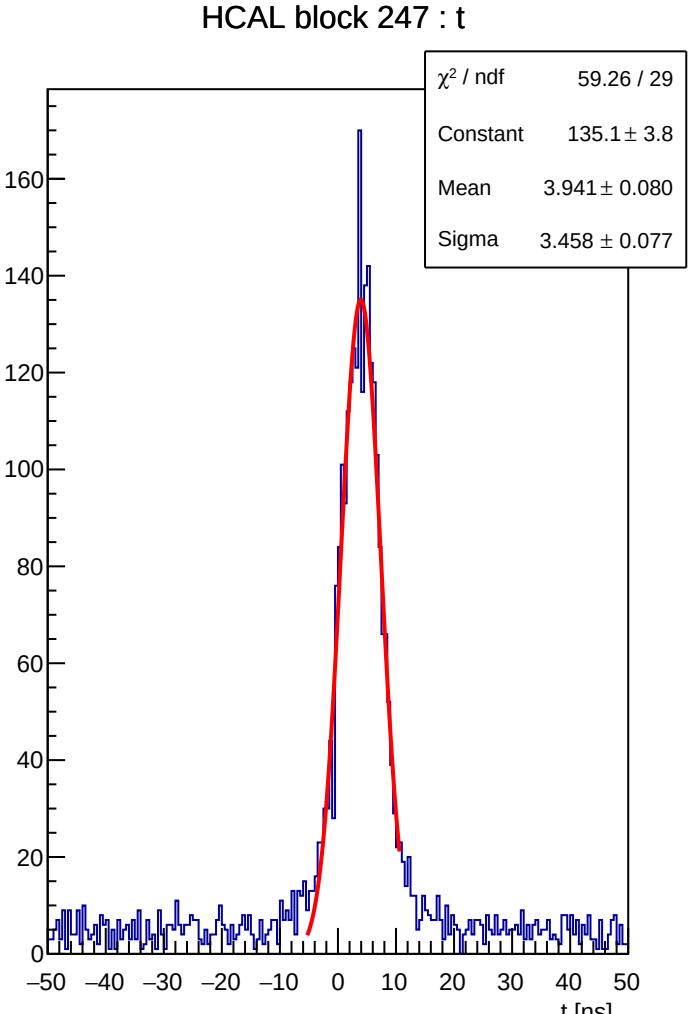

HCAL block 244 : t
χ² / ndf 49.75 / 29
Constant 87.28 ± 3.00
Mean 3.868 ± 0.096
Sigma 3.394 ± 0.086
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

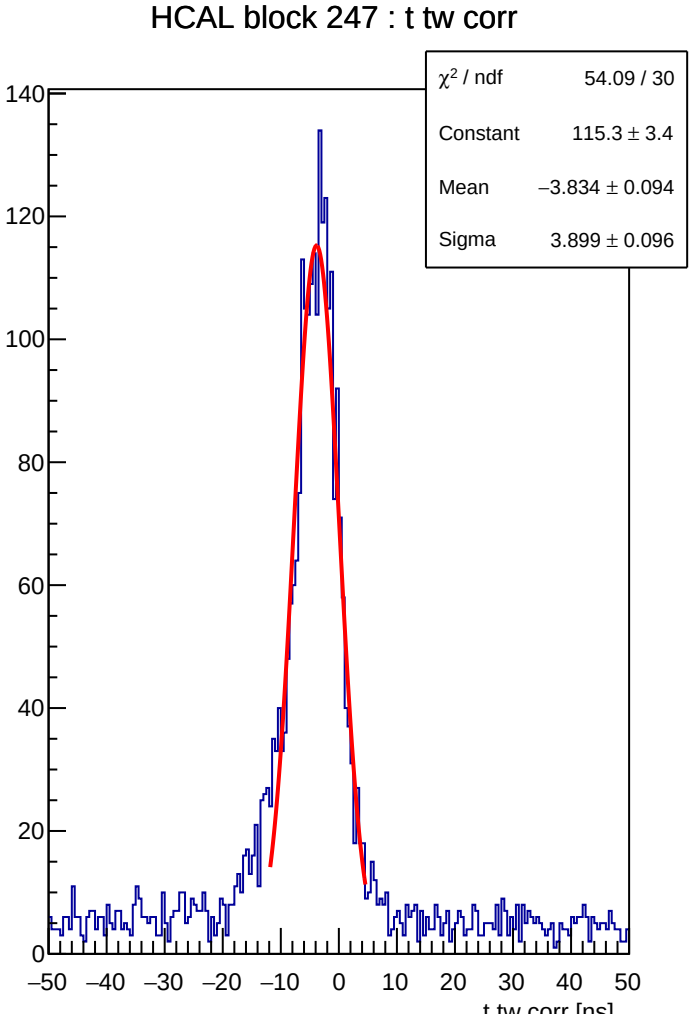

HCAL block 244 : t tw corr
χ² / ndf 37.23 / 29
Constant 92.26 ± 3.18
Mean –2.047 ± 0.090
Sigma 3.277 ± 0.083
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

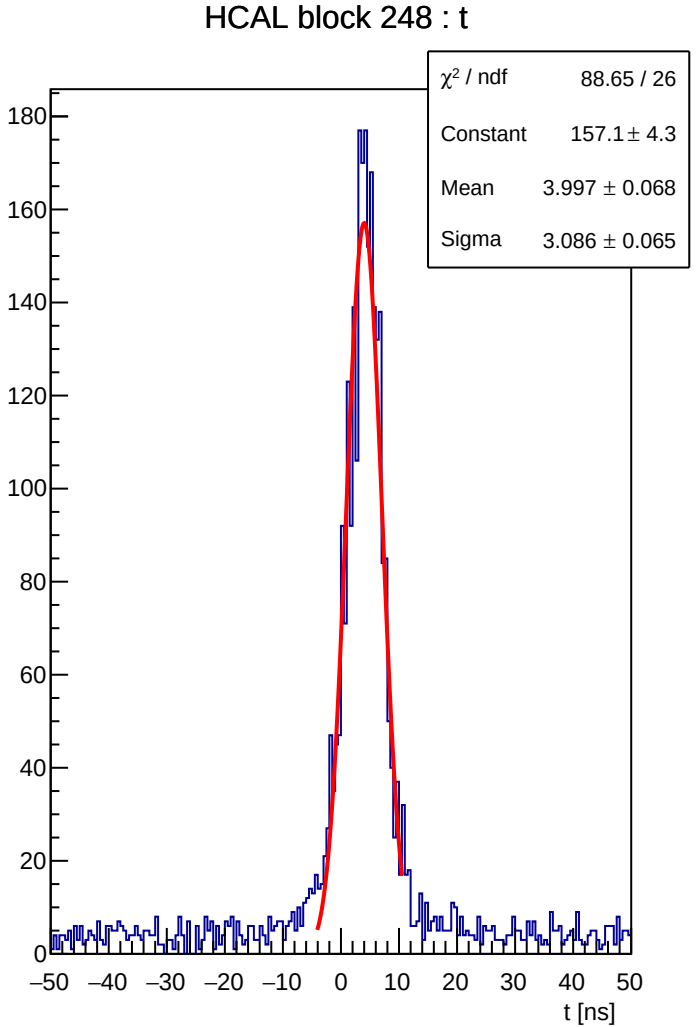

HCAL block 245 : t
χ² / ndf 51.48 / 29
Constant 15.49 ± 1.57
Mean 2.904 ± 0.213
Sigma 2.897 ± 0.234
25
20
15
10
5
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

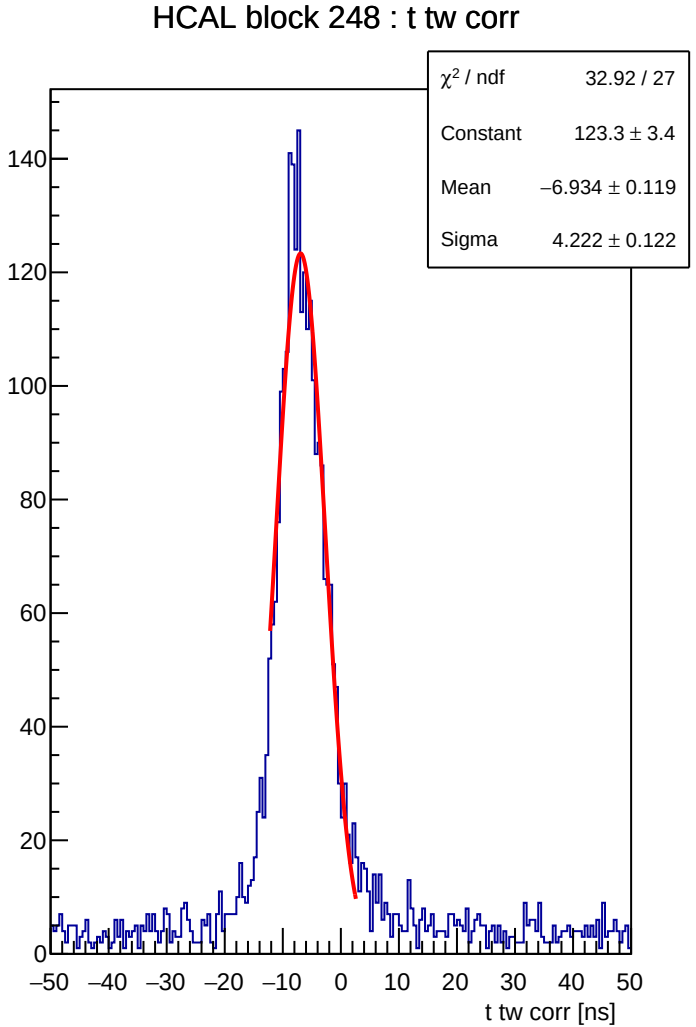

HCAL block 245 : t tw corr
χ² / ndf 39.67 / 30
Constant 18.54 ± 1.83
Mean –3.035 ± 0.175
Sigma 2.618 ± 0.203
25
20
15
10
5
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

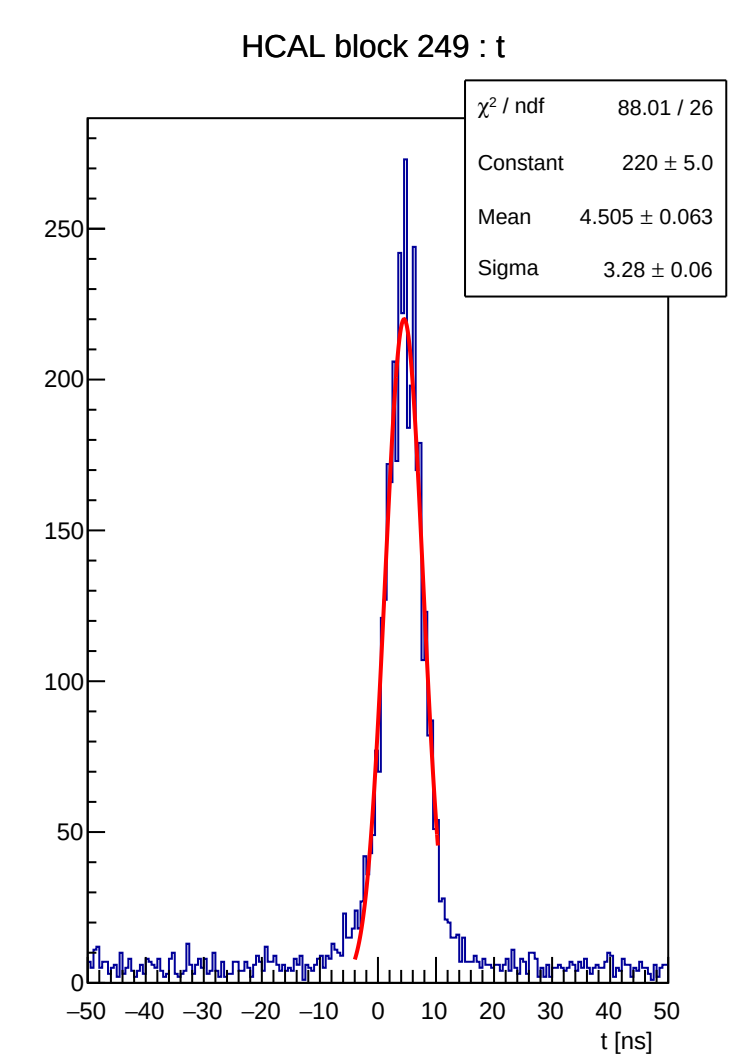

HCAL block 246 : t
χ² / ndf 117.3 / 33
Constant 130.6 ± 3.7
Mean 3.808 ± 0.082
Sigma 3.672 ± 0.083
t [ns]
HCAL block 246 : t tw corr
χ² / ndf 60.07 / 32
Constant 127.5 ± 3.6
Mean 2.834 ± 0.088
Sigma 3.879 ± 0.091
t tw corr [ns]

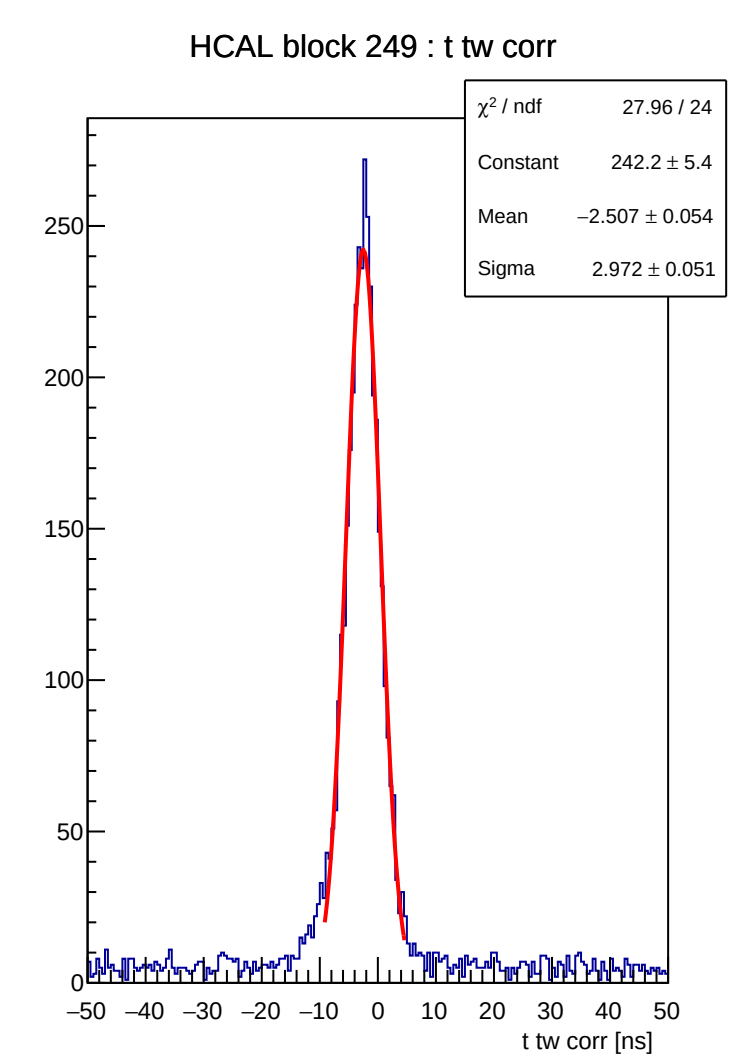

HCAL block 247 : t
χ² / ndf 59.26 / 29
Constant 135.1 ± 3.8
Mean 3.941 ± 0.080
Sigma 3.458 ± 0.077
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

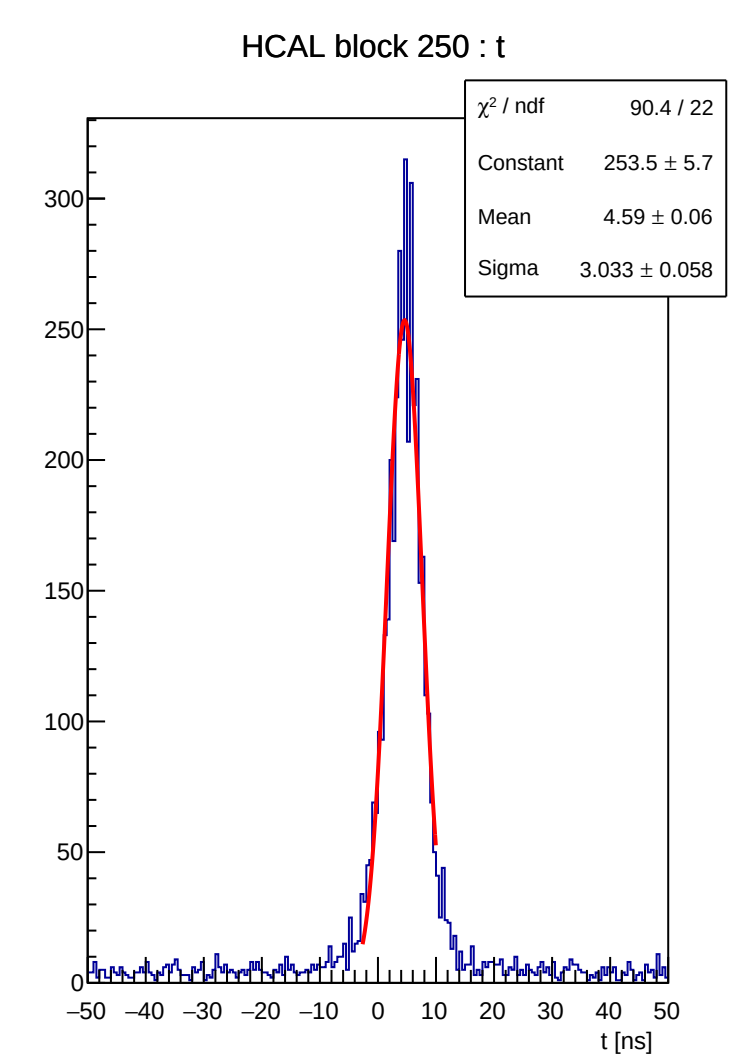

HCAL block 247 : t tw corr
χ² / ndf 54.09 / 30
Constant 115.3 ± 3.4
Mean –3.834 ± 0.094
Sigma 3.899 ± 0.096
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

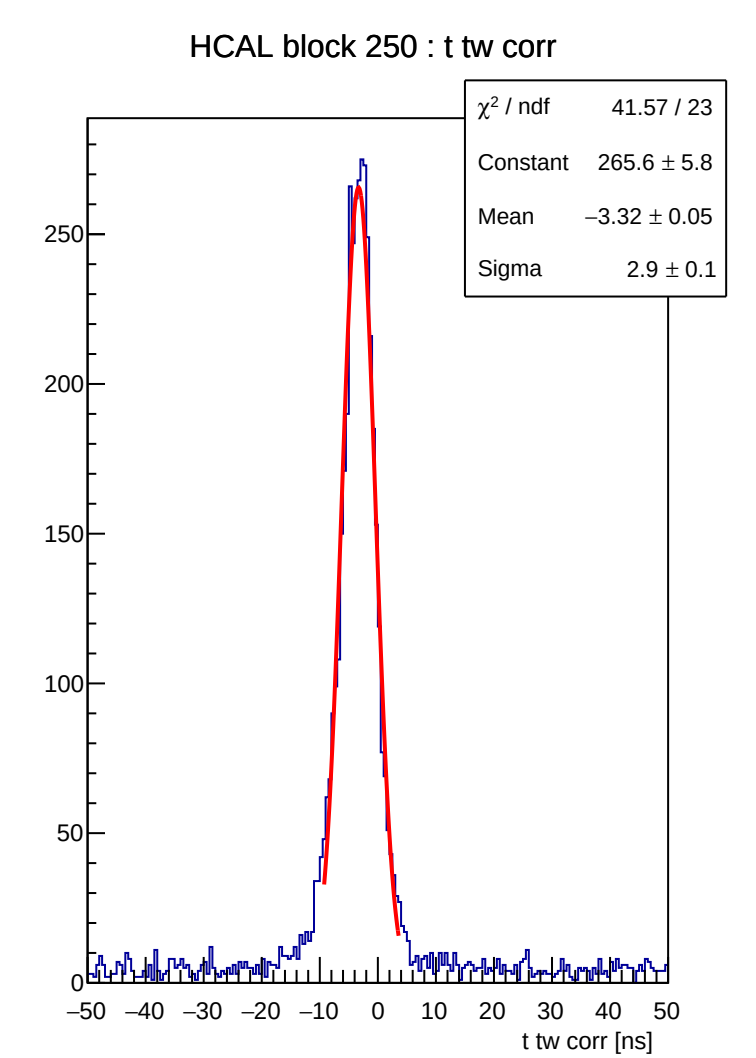

HCAL block 248 : t
χ² / ndf 88.65 / 26
Constant 157.1 ± 4.3
Mean 3.997 ± 0.068
Sigma 3.086 ± 0.065
t [ns]

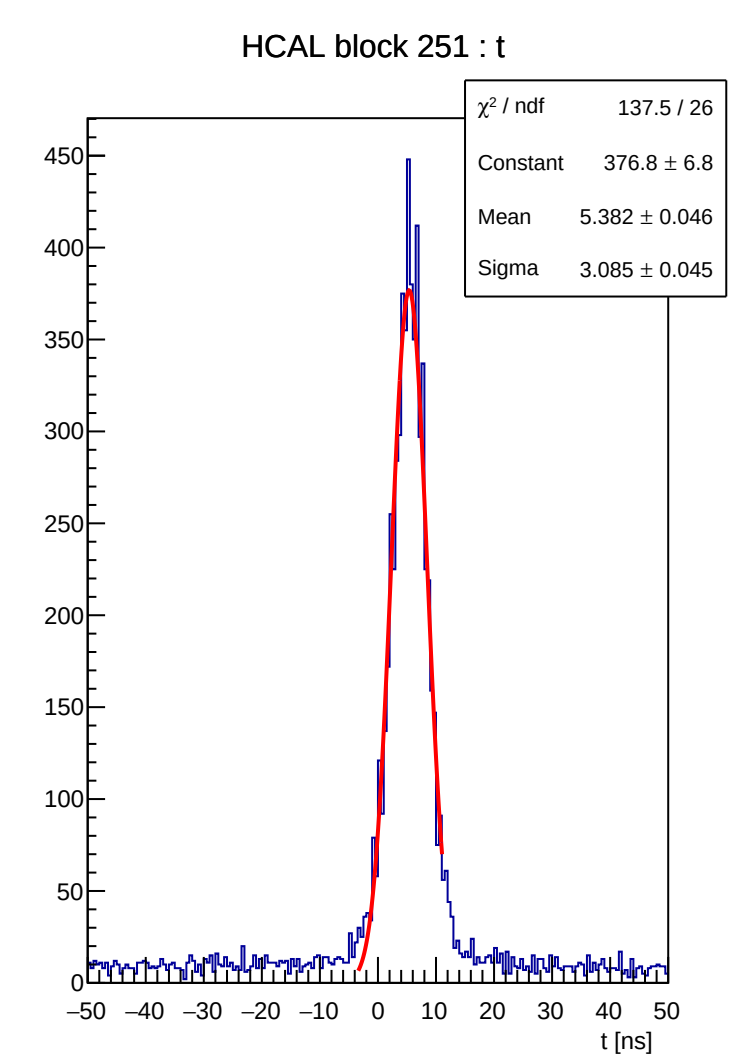

HCAL block 248 : t tw corr
χ² / ndf 32.92 / 27
Constant 123.3 ± 3.4
Mean −6.934 ± 0.119
Sigma 4.222 ± 0.122
t tw corr [ns]

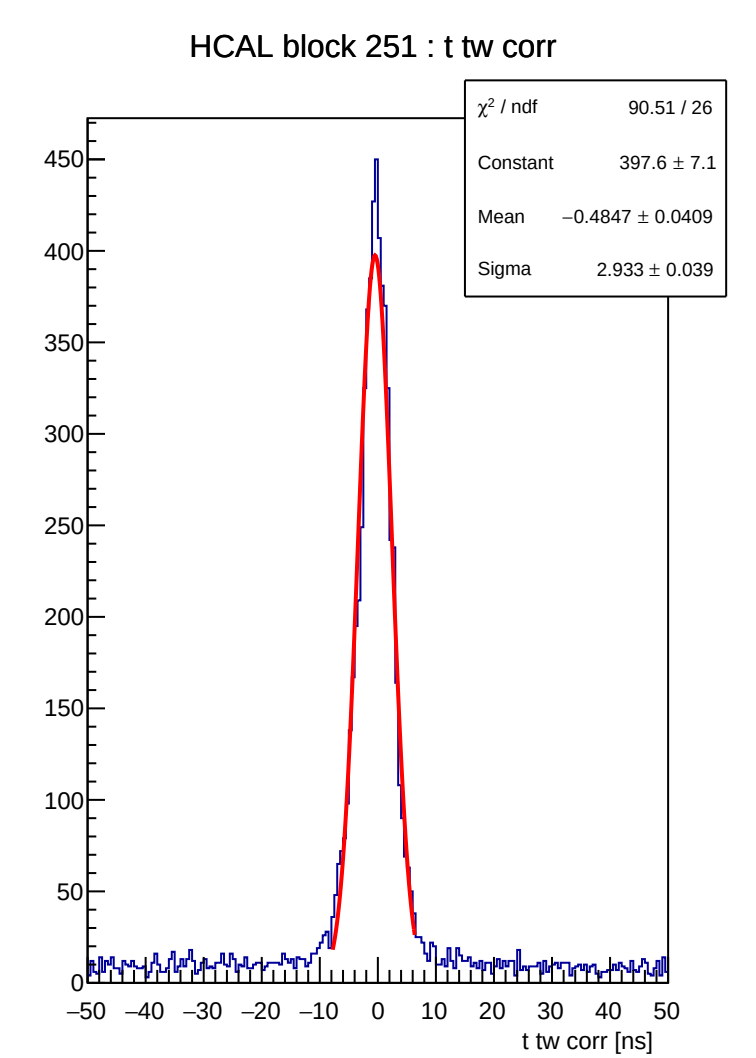

HCAL block 249 : t
χ² / ndf 88.01 / 26
Constant 220 ± 5.0
Mean 4.505 ± 0.063
Sigma 3.28 ± 0.06
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

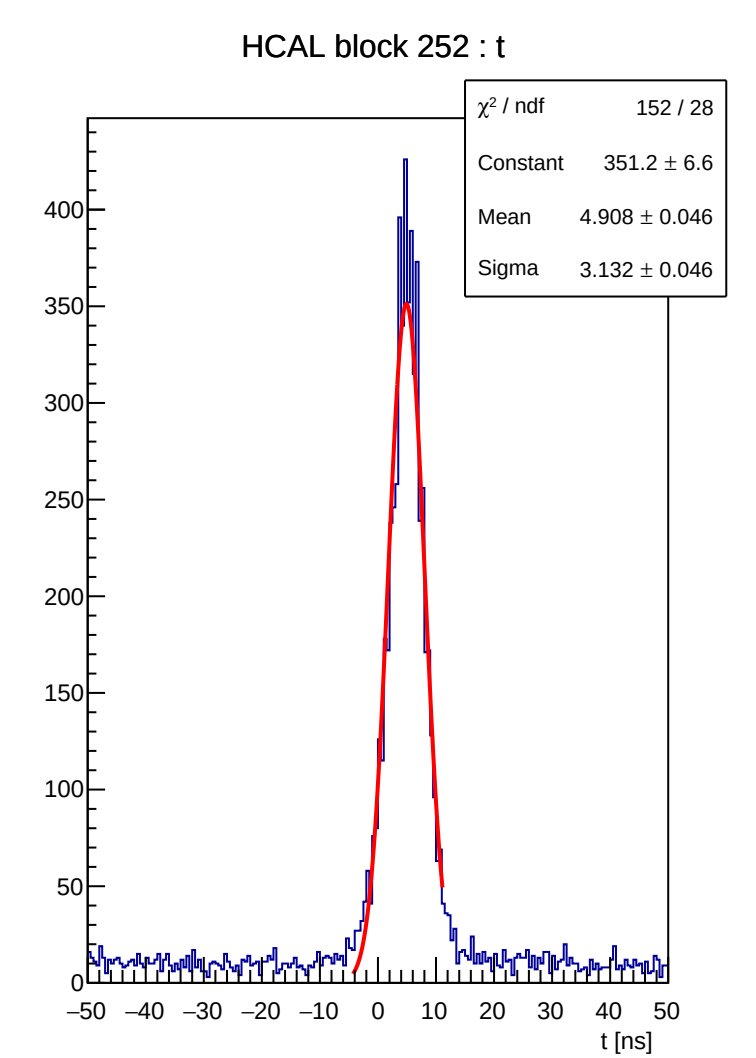

HCAL block 249 : t tw corr
χ² / ndf 27.96 / 24
Constant 242.2 ± 5.4
Mean –2.507 ± 0.054
Sigma 2.972 ± 0.051
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

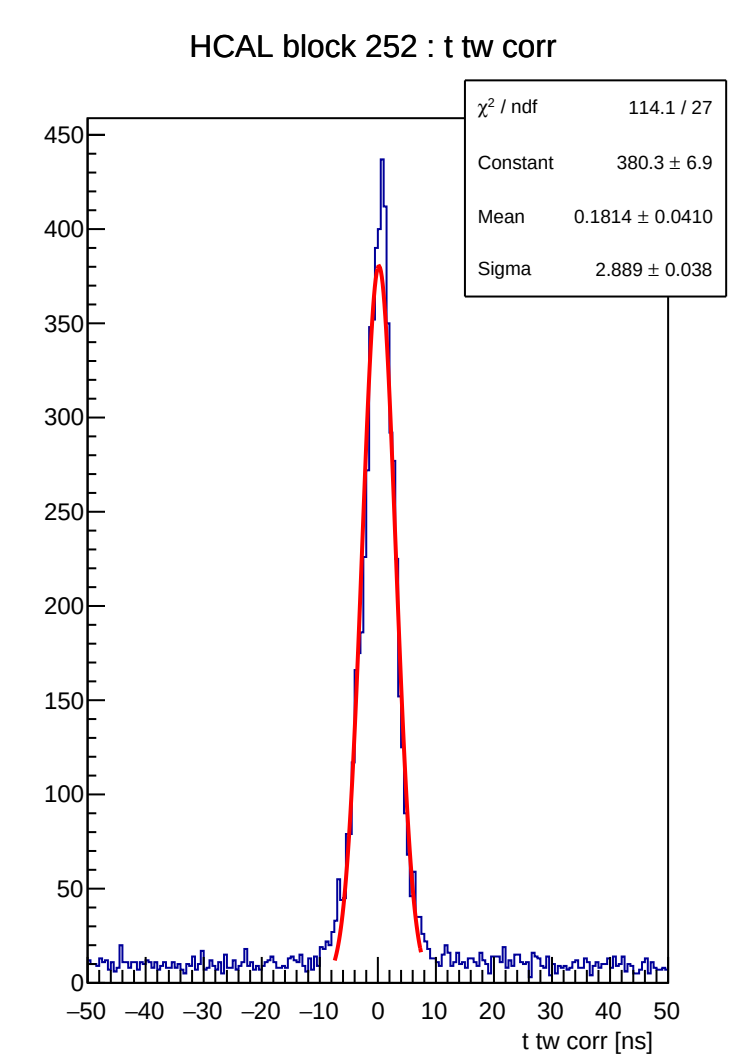

HCAL block 250 : t
χ² / ndf 90.4 / 22
Constant 253.5 ± 5.7
Mean 4.59 ± 0.06
Sigma 3.033 ± 0.058
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

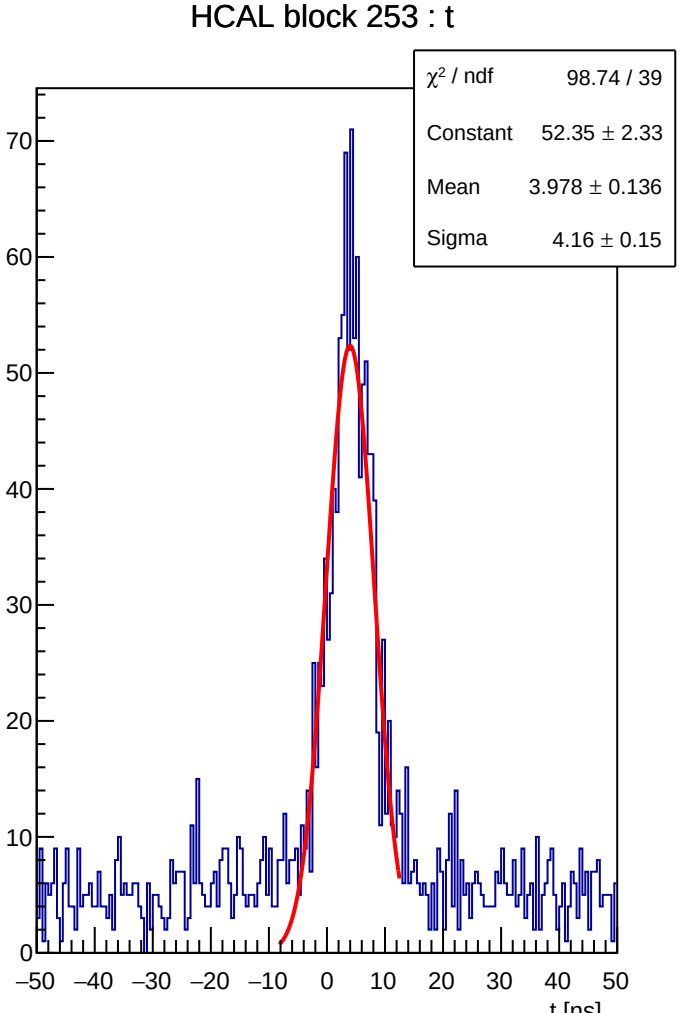

HCAL block 250 : t tw corr
χ² / ndf 41.57 / 23
Constant 265.6 ± 5.8
Mean –3.32 ± 0.05
Sigma 2.9 ± 0.1
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

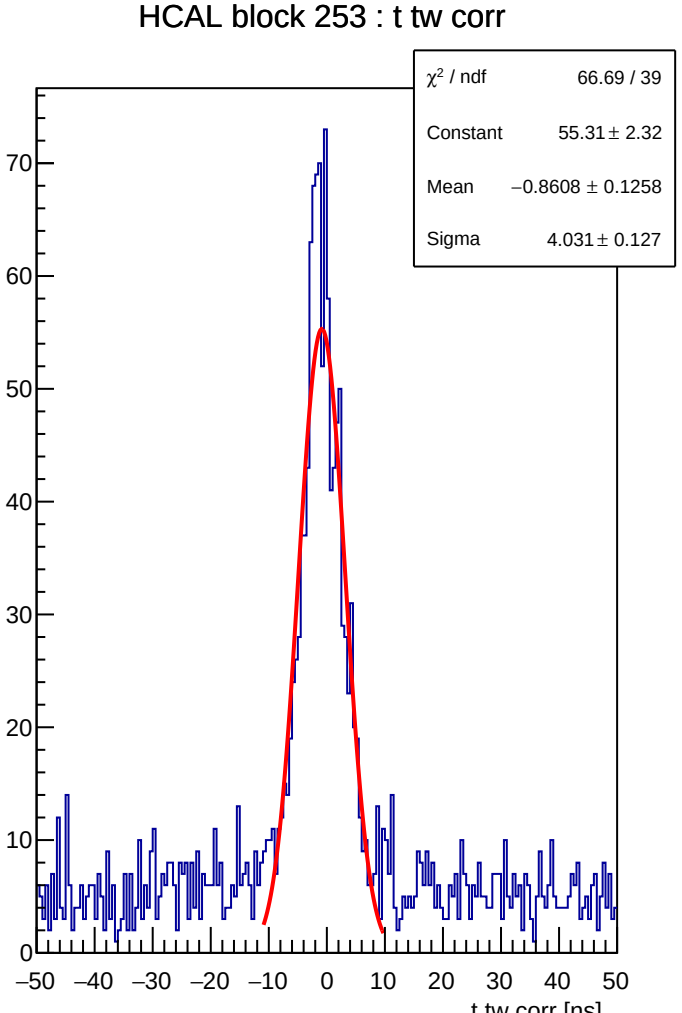

HCAL block 251 : t
χ² / ndf 137.5 / 26
Constant 376.8 ± 6.8
Mean 5.382 ± 0.046
Sigma 3.085 ± 0.045
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

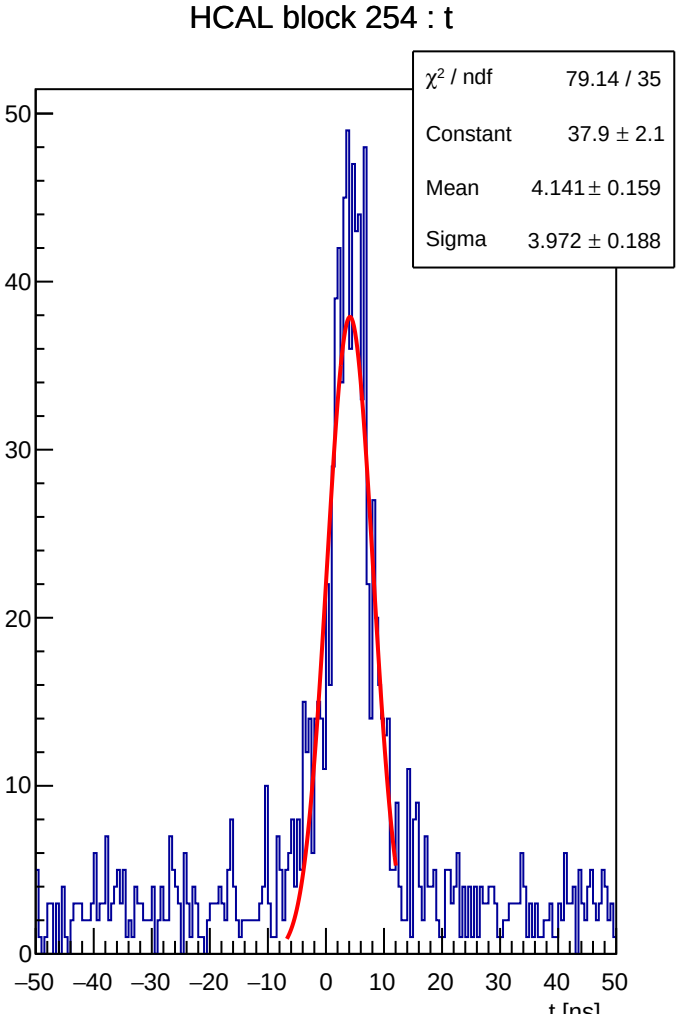

HCAL block 251 : t tw corr
χ² / ndf 90.51 / 26
Constant 397.6 ± 7.1
Mean −0.4847 ± 0.0409
Sigma 2.933 ± 0.039
450
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

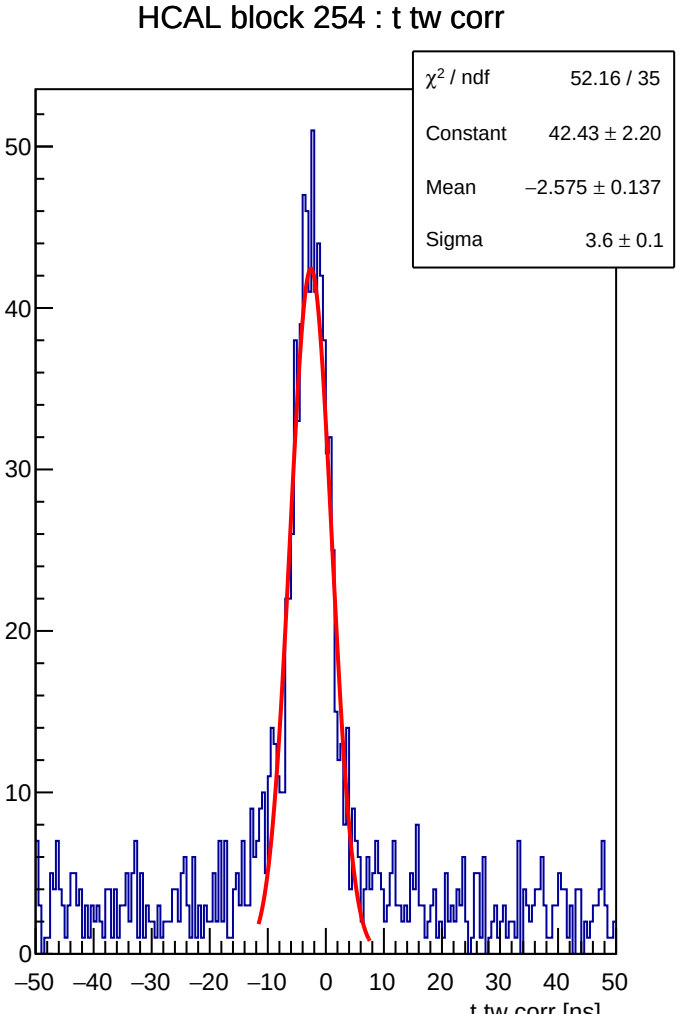

HCAL block 252 : t
χ² / ndf 152 / 28
Constant 351.2 ± 6.6
Mean 4.908 ± 0.046
Sigma 3.132 ± 0.046
t [ns]

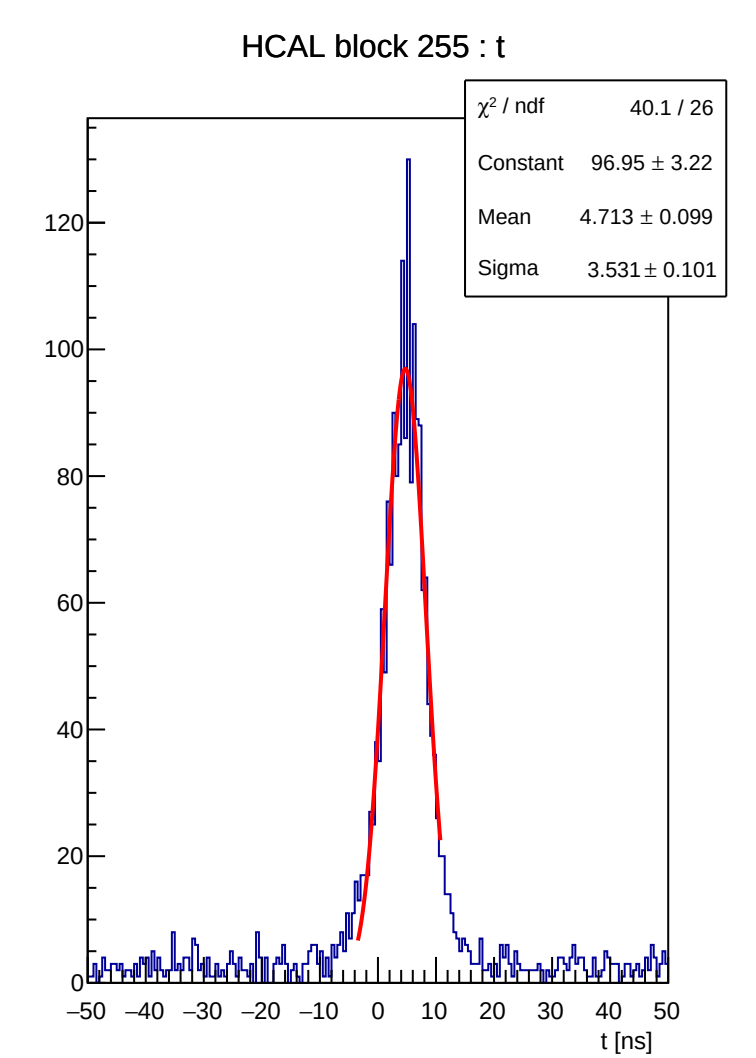

HCAL block 252 : t tw corr
χ² / ndf 114.1 / 27
Constant 380.3 ± 6.9
Mean 0.1814 ± 0.0410
Sigma 2.889 ± 0.038
t tw corr [ns]

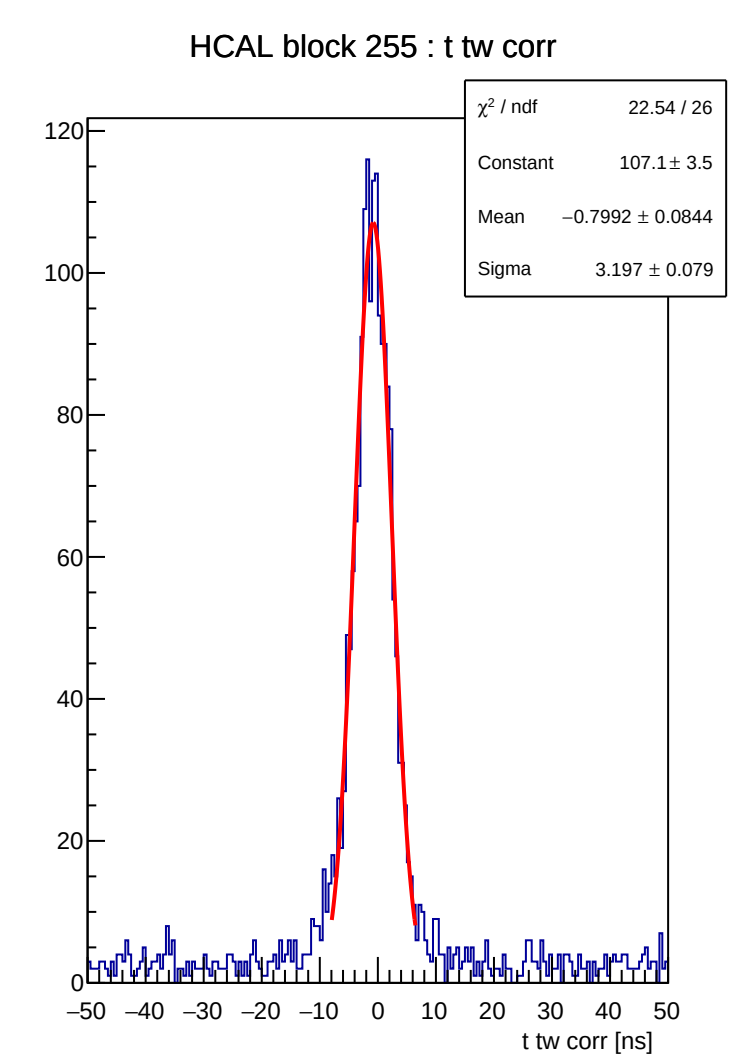

HCAL block 253 : t
χ² / ndf 98.74 / 39
Constant 52.35 ± 2.33
Mean 3.978 ± 0.136
Sigma 4.16 ± 0.15
t [ns]

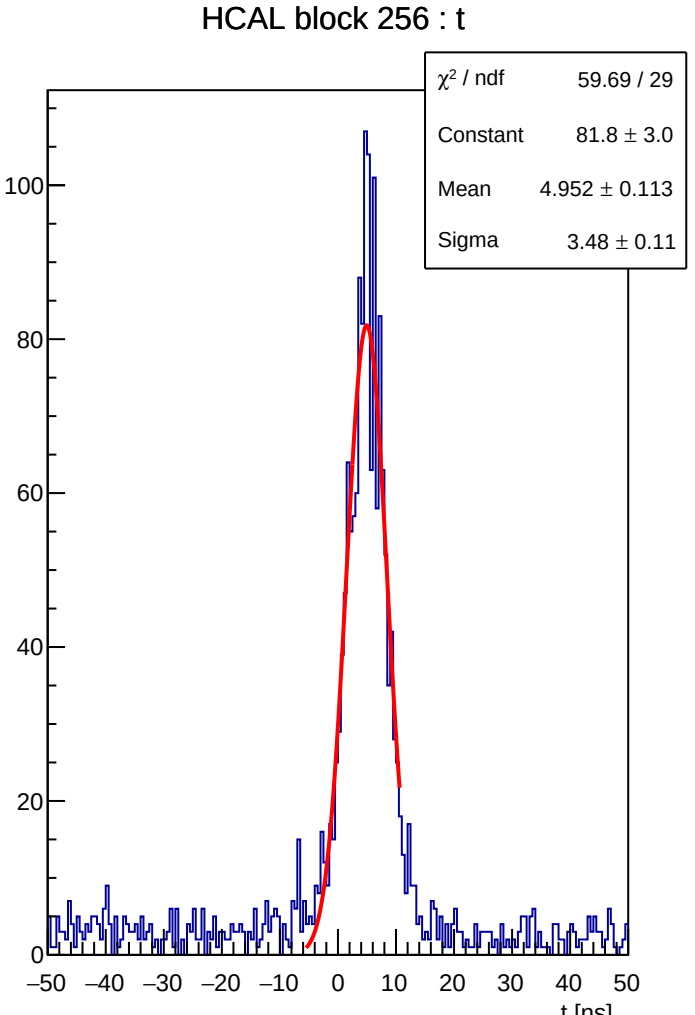

HCAL block 253 : t tw corr
χ² / ndf 66.69 / 39
Constant 55.31 ± 2.32
Mean −0.8608 ± 0.1258
Sigma 4.031 ± 0.127
t tw corr [ns]

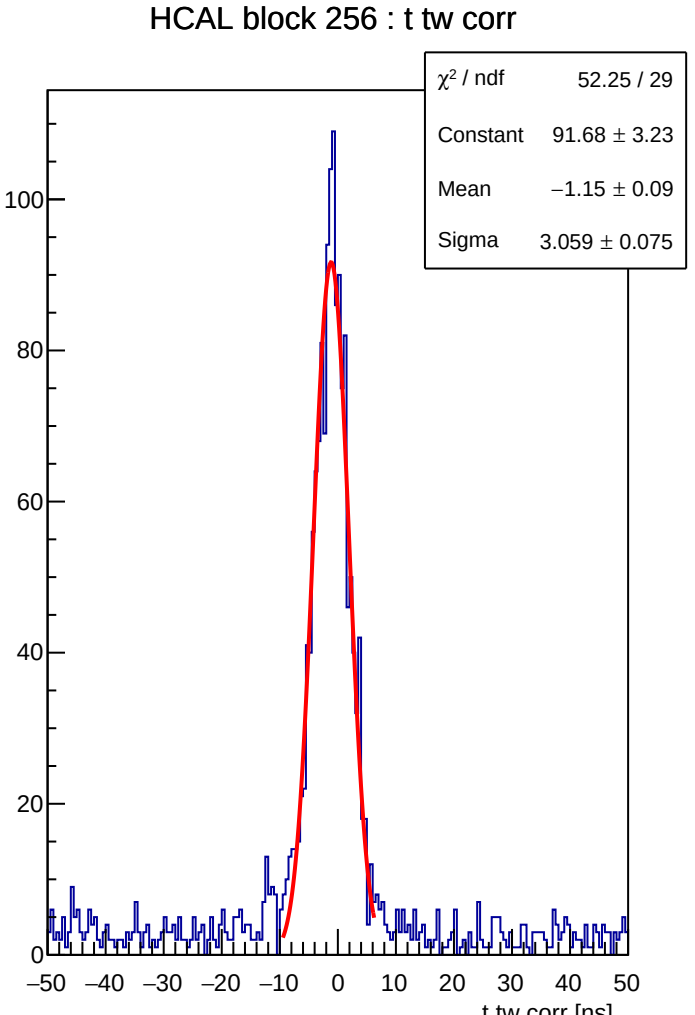

HCAL block 254 : t
χ² / ndf 79.14 / 35
Constant 37.9 ± 2.1
Mean 4.141 ± 0.159
Sigma 3.972 ± 0.188
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

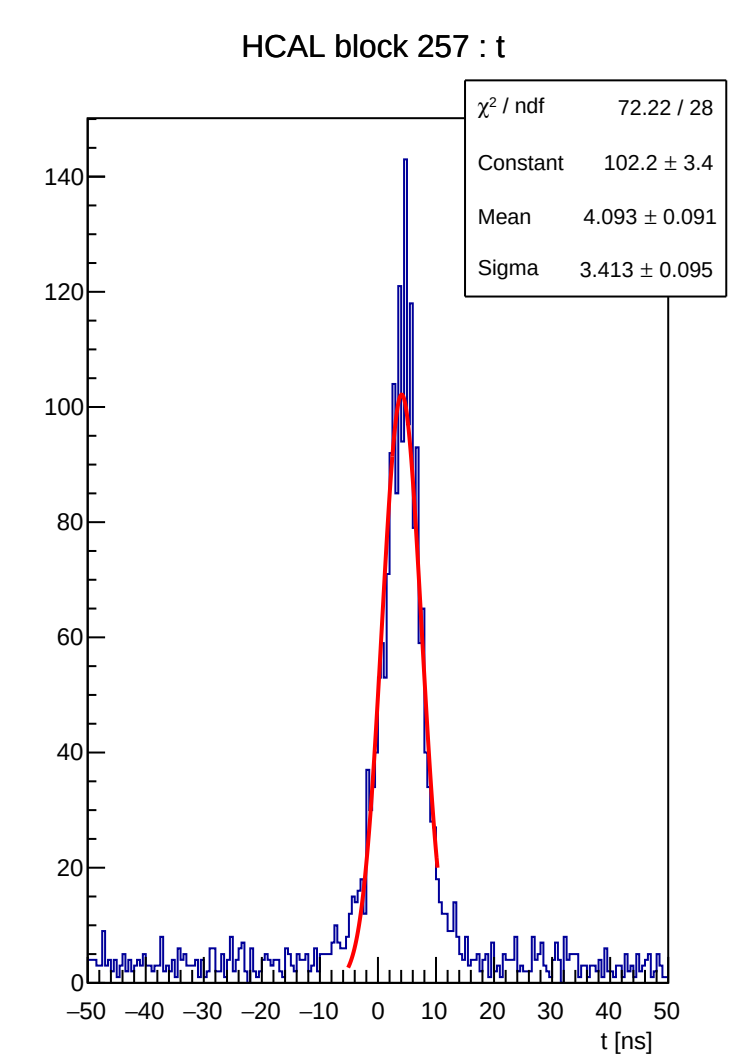

HCAL block 254 : t tw corr
χ² / ndf 52.16 / 35
Constant 42.43 ± 2.20
Mean –2.575 ± 0.137
Sigma 3.6 ± 0.1
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

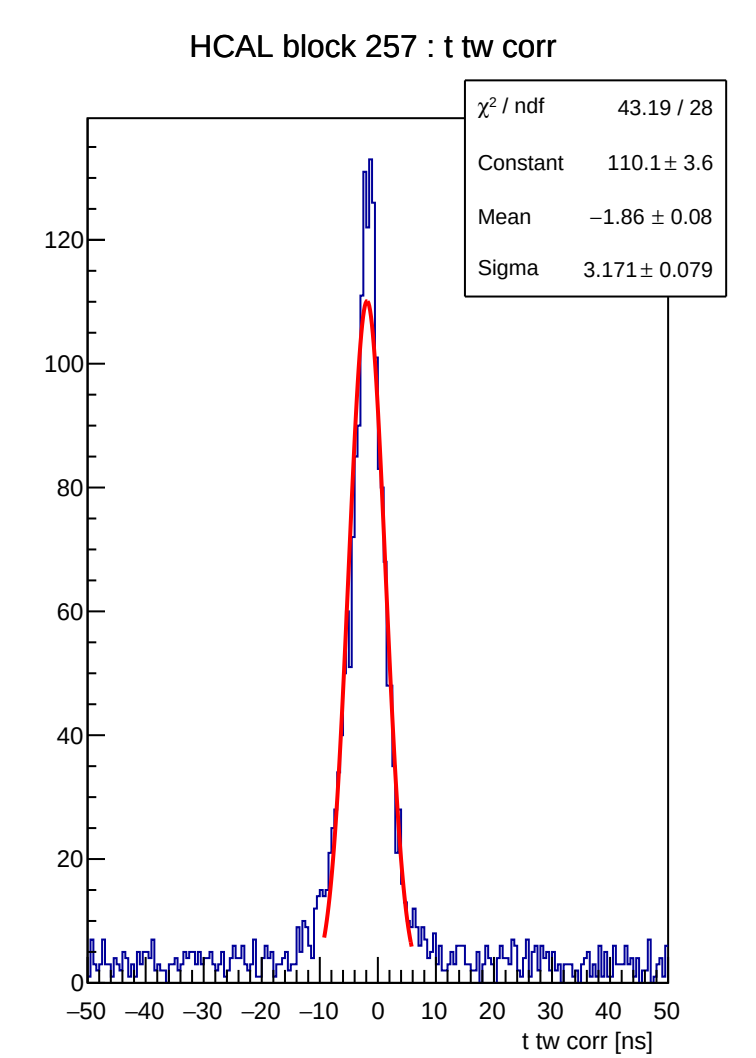

HCAL block 255 : t
χ² / ndf 40.1 / 26
Constant 96.95 ± 3.22
Mean 4.713 ± 0.099
Sigma 3.531 ± 0.101
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

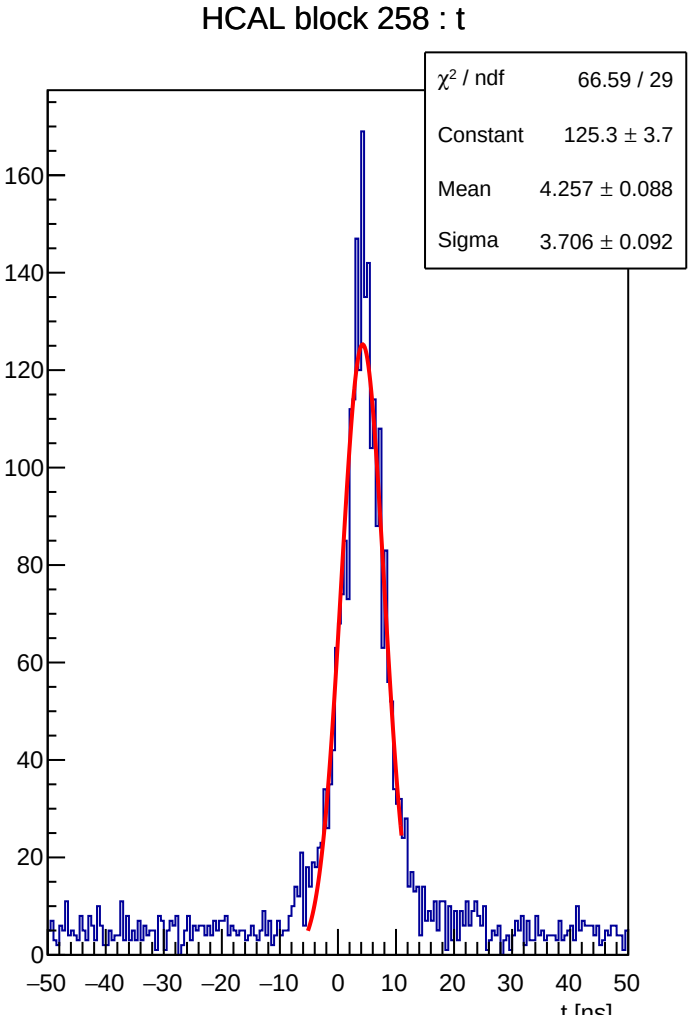

HCAL block 255 : t tw corr
χ² / ndf 22.54 / 26
Constant 107.1 ± 3.5
Mean −0.7992 ± 0.0844
Sigma 3.197 ± 0.079
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

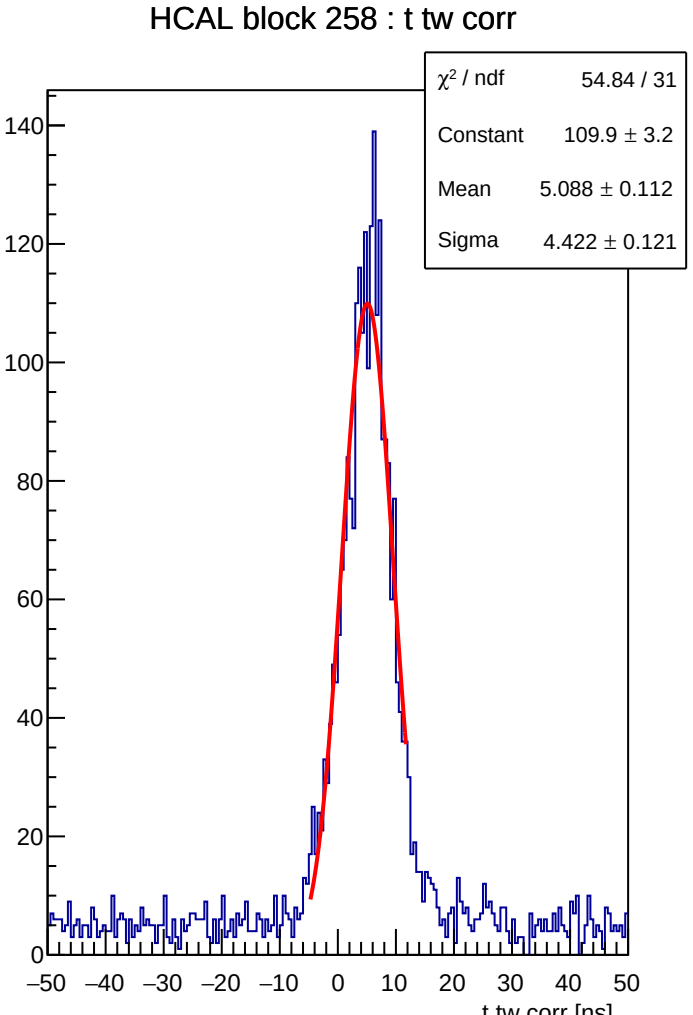

HCAL block 256 : t
χ² / ndf 59.69 / 29
Constant 81.8 ± 3.0
Mean 4.952 ± 0.113
Sigma 3.48 ± 0.11
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

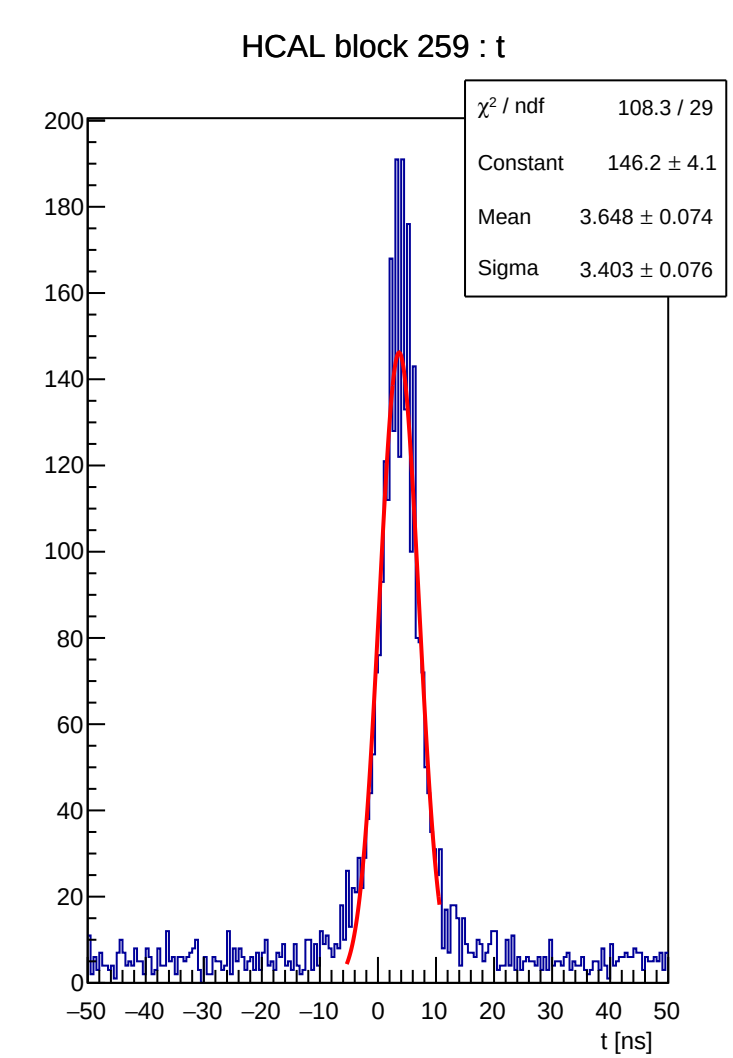

HCAL block 256 : t tw corr
χ² / ndf 52.25 / 29
Constant 91.68 ± 3.23
Mean –1.15 ± 0.09
Sigma 3.059 ± 0.075
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

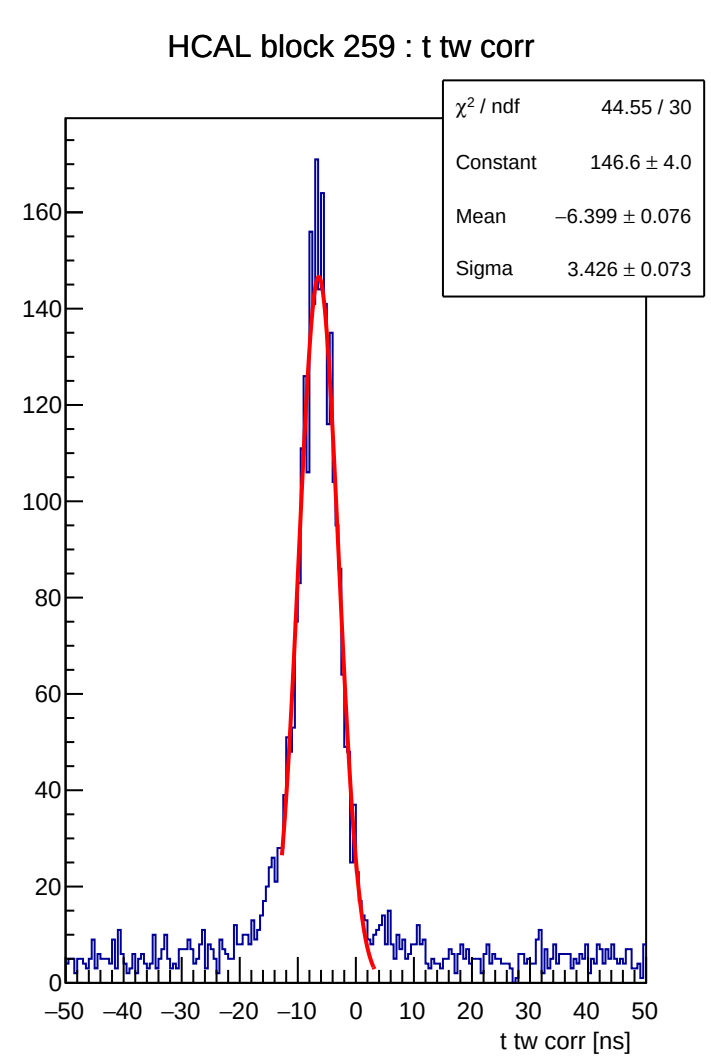

HCAL block 257 : t
χ² / ndf 72.22 / 28
Constant 102.2 ± 3.4
Mean 4.093 ± 0.091
Sigma 3.413 ± 0.095
t [ns]

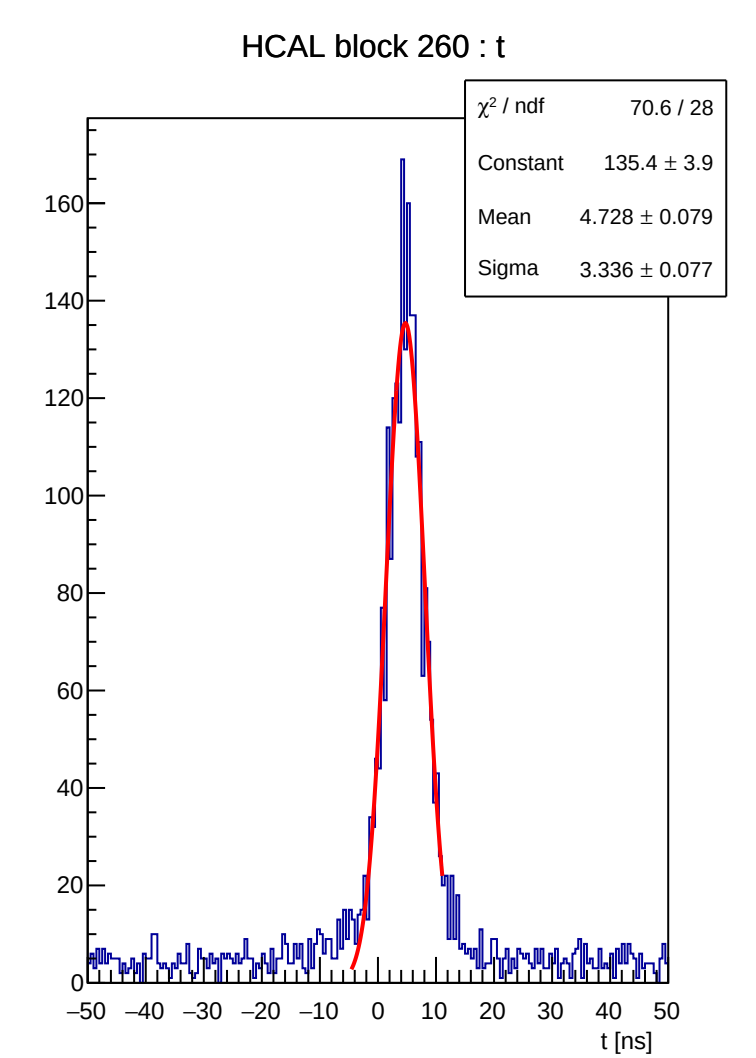

HCAL block 257 : t tw corr
χ² / ndf 43.19 / 28
Constant 110.1 ± 3.6
Mean −1.86 ± 0.08
Sigma 3.171 ± 0.079
t tw corr [ns]

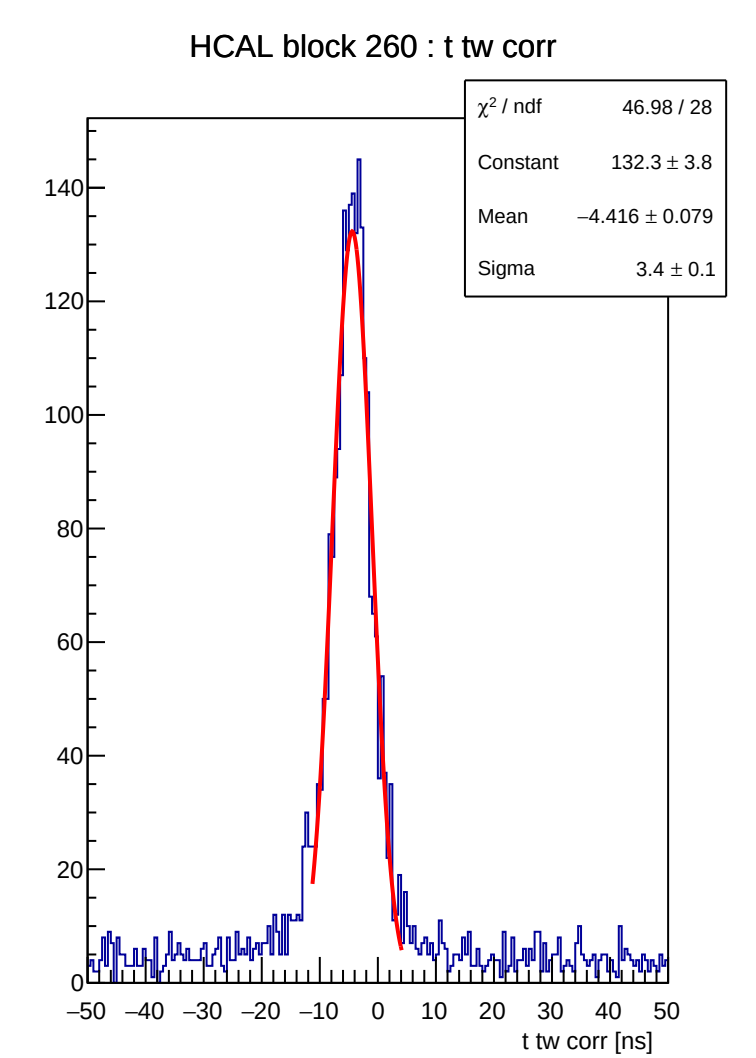

HCAL block 258 : t
χ² / ndf 66.59 / 29
Constant 125.3 ± 3.7
Mean 4.257 ± 0.088
Sigma 3.706 ± 0.092
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

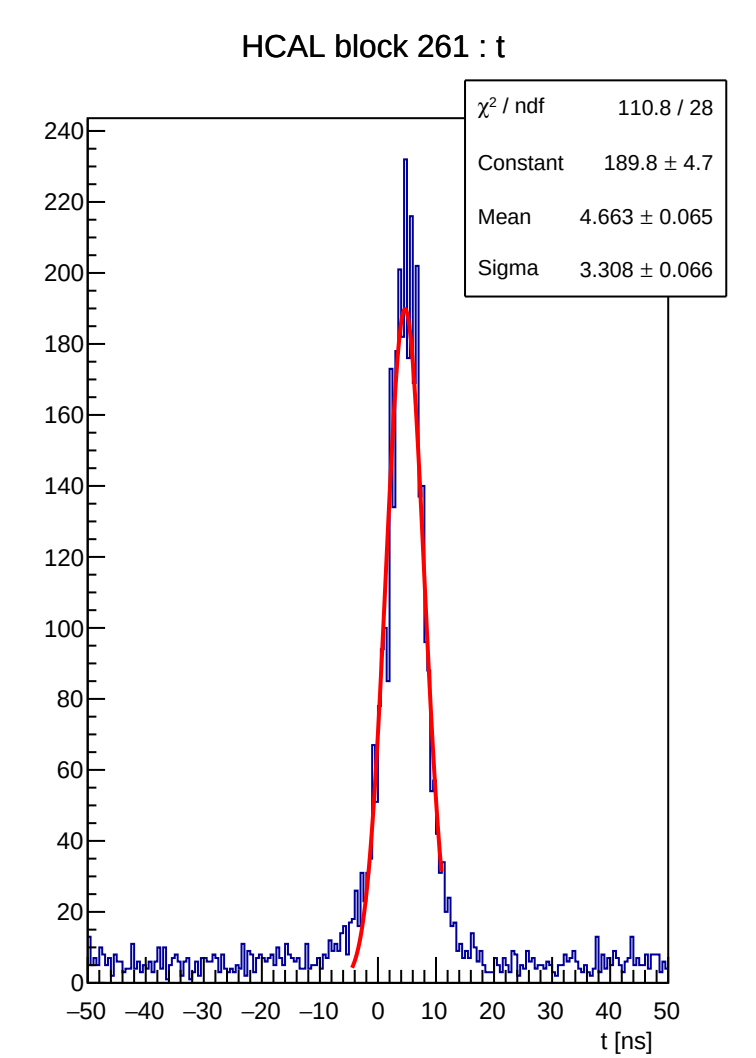

HCAL block 258 : t tw corr
χ² / ndf 54.84 / 31
Constant 109.9 ± 3.2
Mean 5.088 ± 0.112
Sigma 4.422 ± 0.121
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

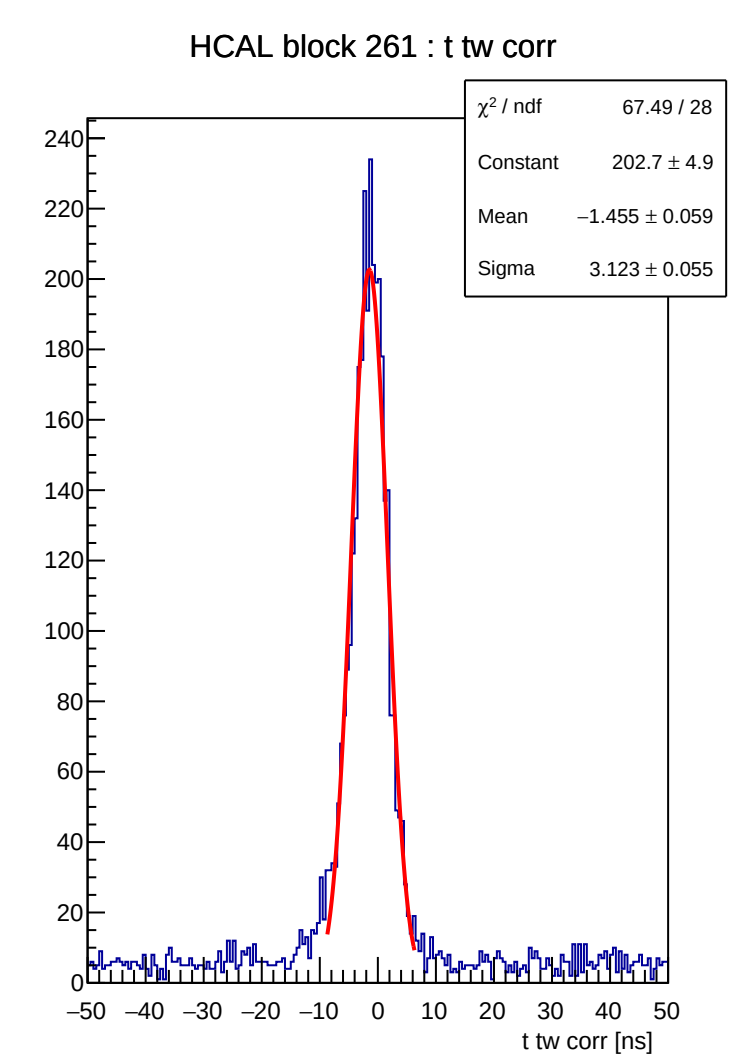

HCAL block 259 : t
χ² / ndf 108.3 / 29
Constant 146.2 ± 4.1
Mean 3.648 ± 0.074
Sigma 3.403 ± 0.076
t [ns]

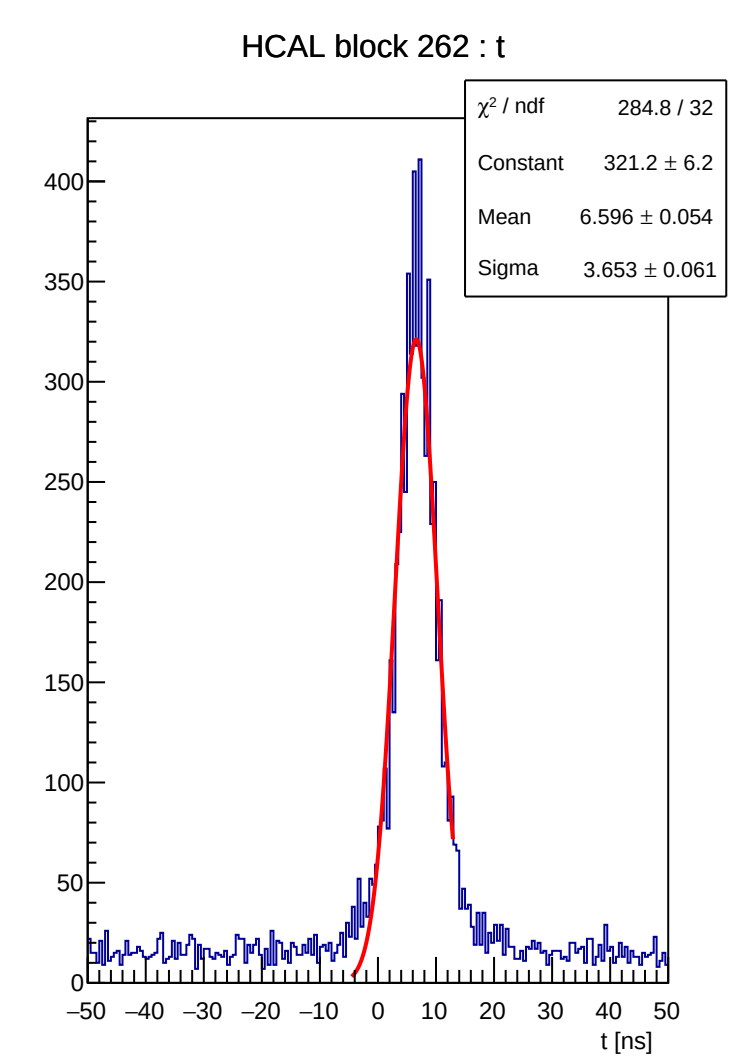

HCAL block 259 : t tw corr
χ² / ndf 44.55 / 30
Constant 146.6 ± 4.0
Mean −6.399 ± 0.076
Sigma 3.426 ± 0.073
t tw corr [ns]

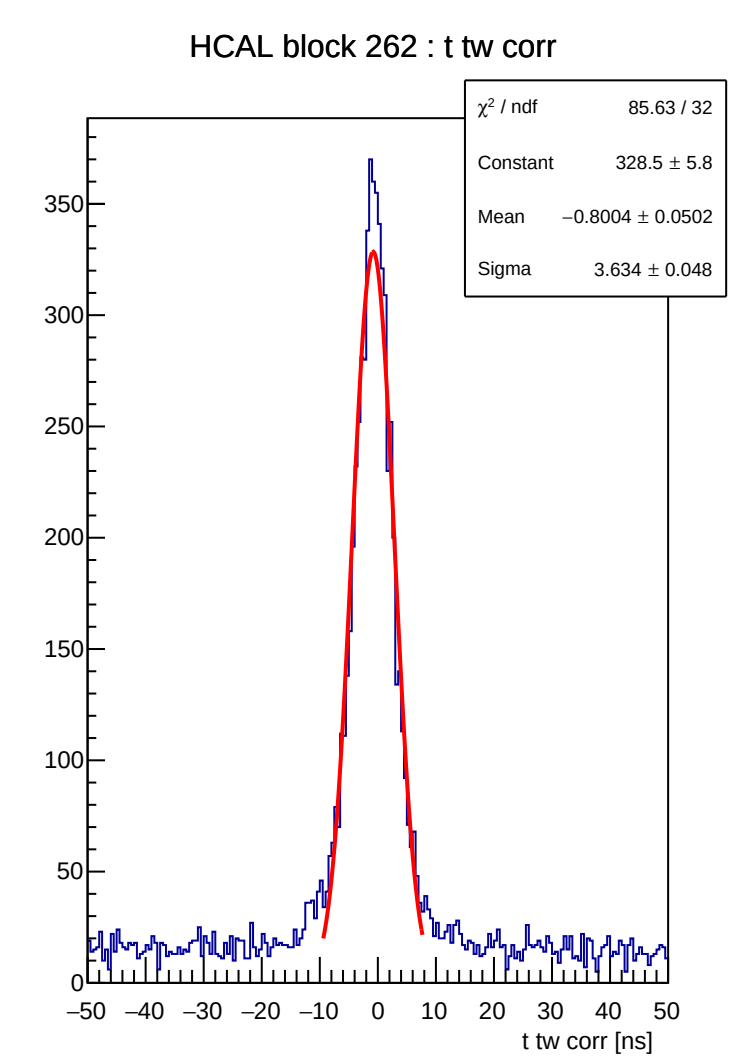

HCAL block 260 : t
χ² / ndf 70.6 / 28
Constant 135.4 ± 3.9
Mean 4.728 ± 0.079
Sigma 3.336 ± 0.077
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

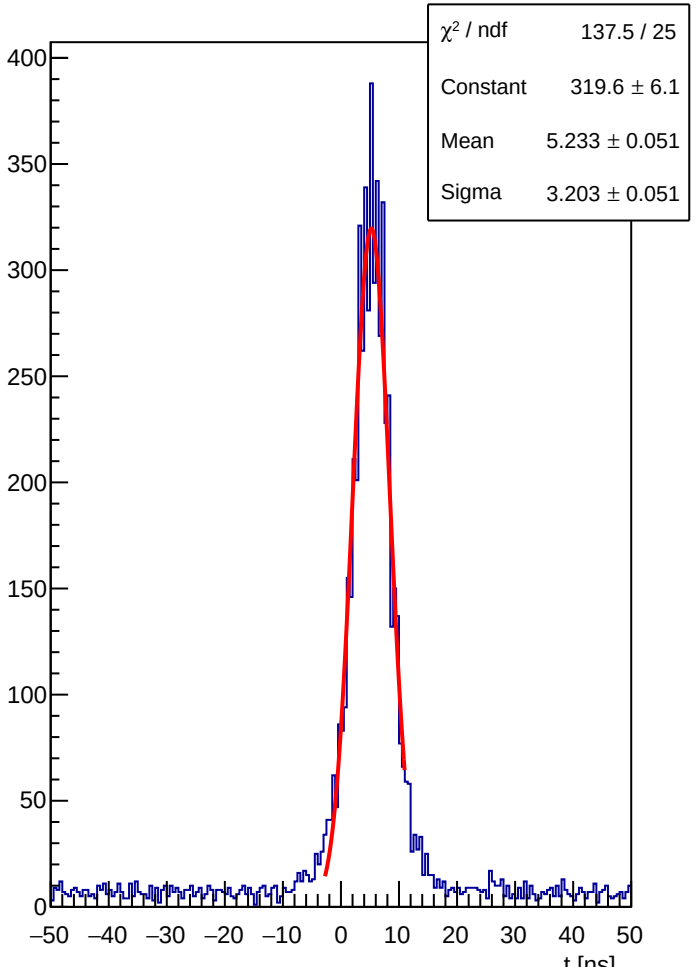

HCAL block 260 : t tw corr
χ² / ndf 46.98 / 28
Constant 132.3 ± 3.8
Mean –4.416 ± 0.079
Sigma 3.4 ± 0.1
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

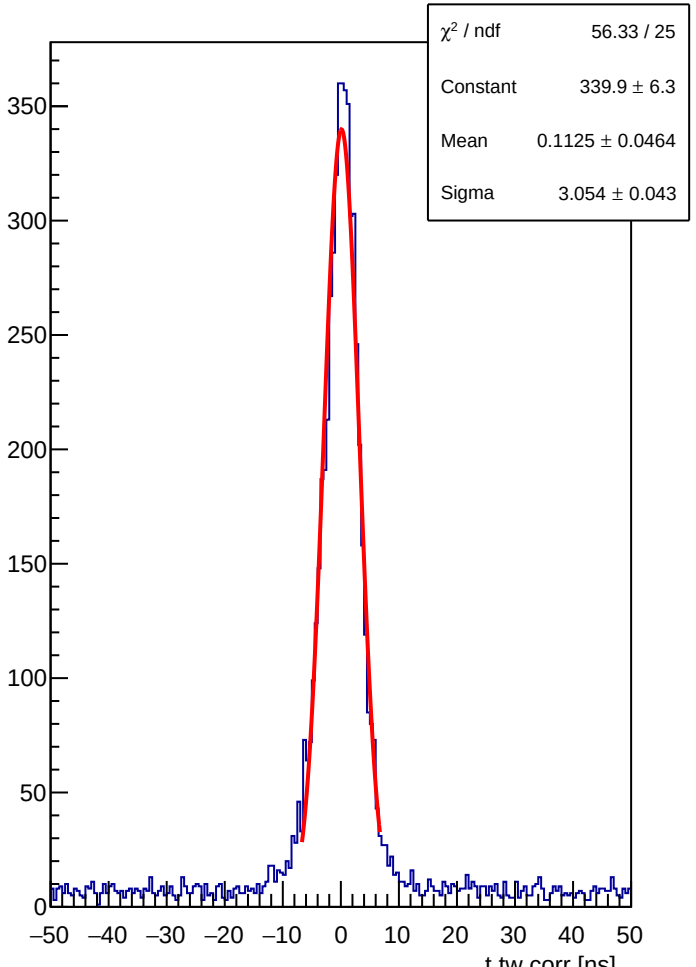

HCAL block 261 : t
χ² / ndf 110.8 / 28
Constant 189.8 ± 4.7
Mean 4.663 ± 0.065
Sigma 3.308 ± 0.066
t [ns]

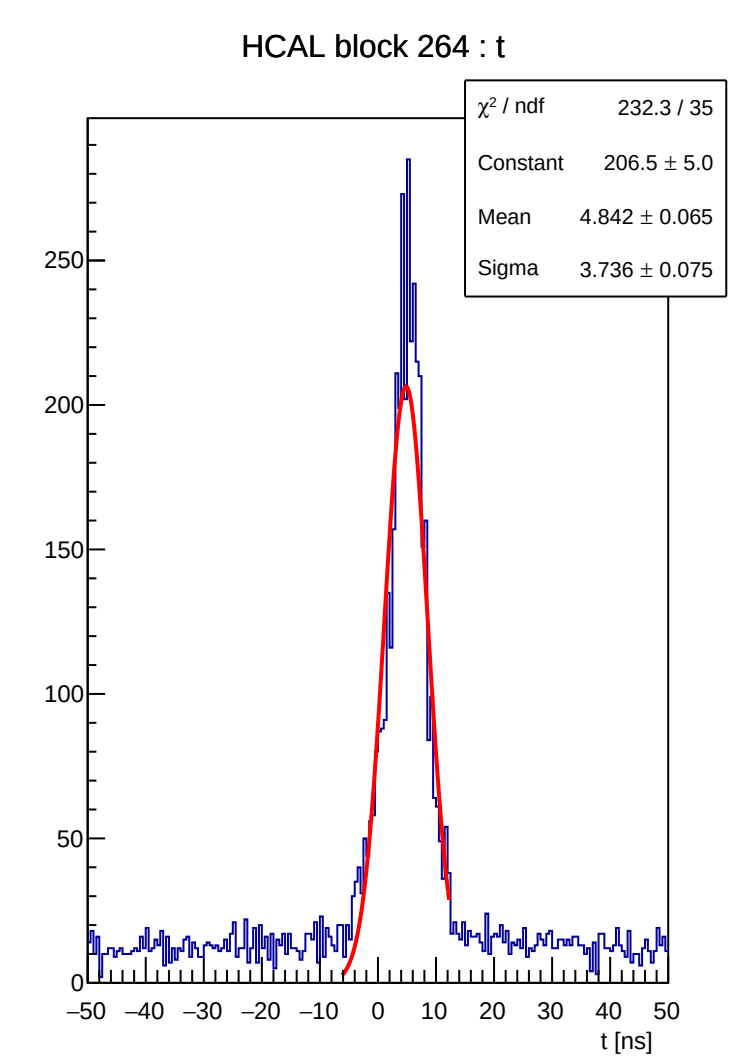

HCAL block 261 : t tw corr
χ² / ndf 67.49 / 28
Constant 202.7 ± 4.9
Mean −1.455 ± 0.059
Sigma 3.123 ± 0.055
t tw corr [ns]

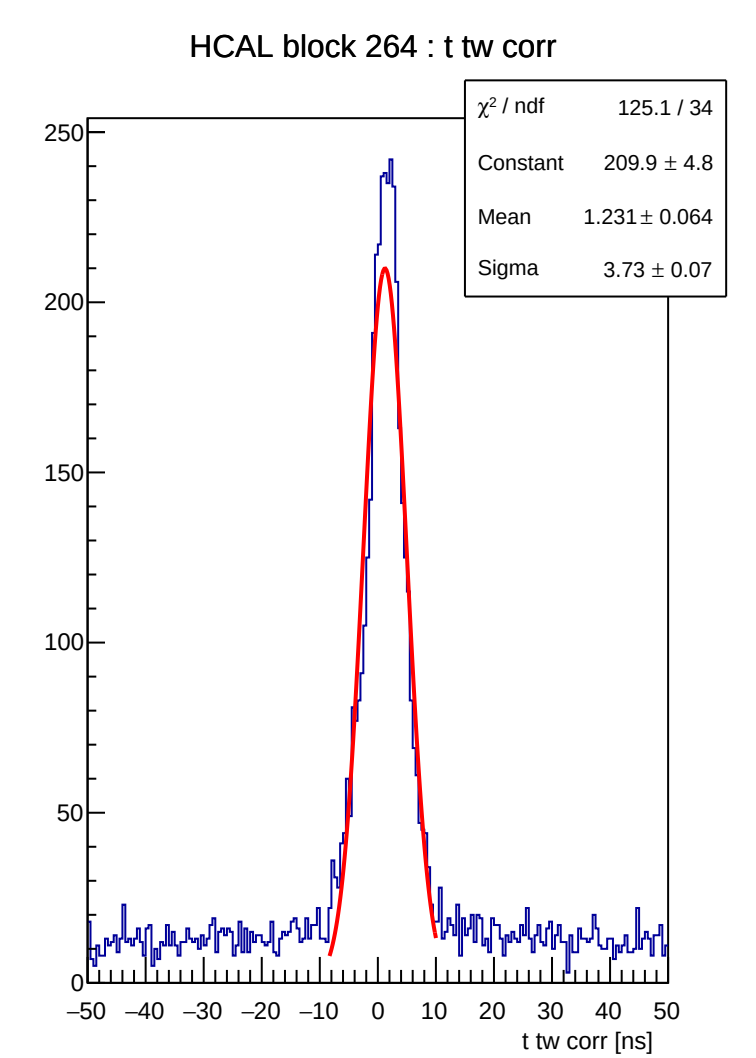

HCAL block 262 : t
χ² / ndf 284.8 / 32
Constant 321.2 ± 6.2
Mean 6.596 ± 0.054
Sigma 3.653 ± 0.061
t [ns]

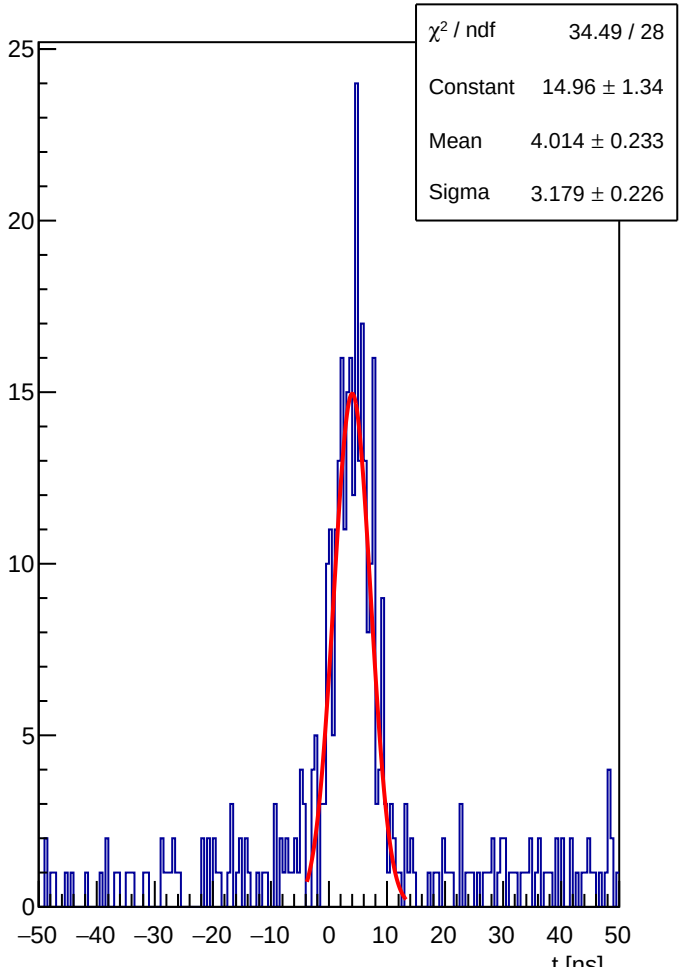

HCAL block 262 : t tw corr
χ² / ndf 85.63 / 32
Constant 328.5 ± 5.8
Mean −0.8004 ± 0.0502
Sigma 3.634 ± 0.048
t tw corr [ns]

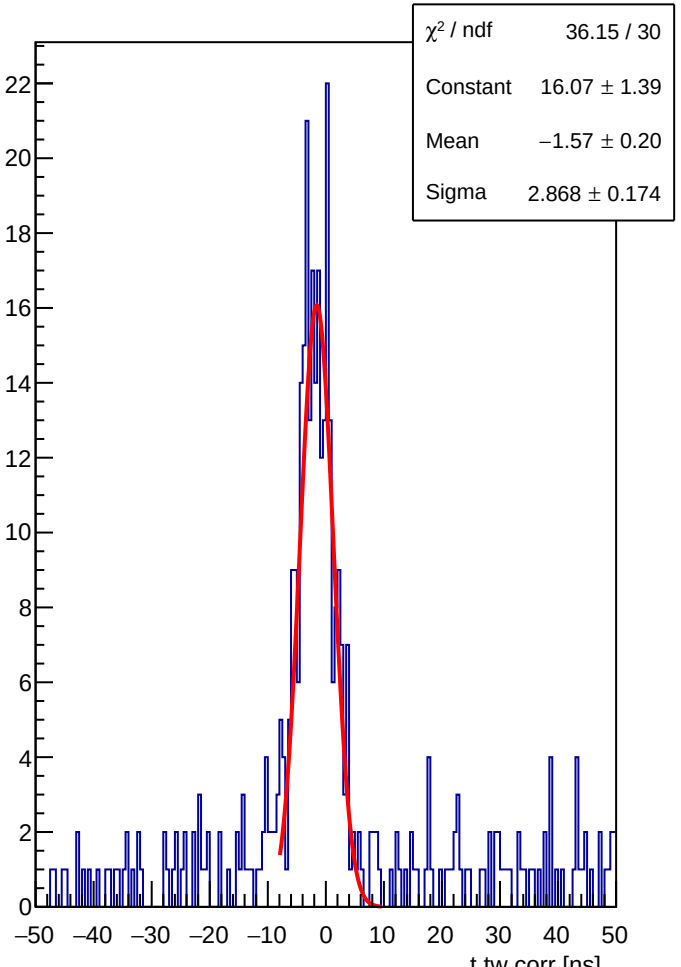

HCAL block 263 : t
χ² / ndf 137.5 / 25
Constant 319.6 ± 6.1
Mean 5.233 ± 0.051
Sigma 3.203 ± 0.051
400
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

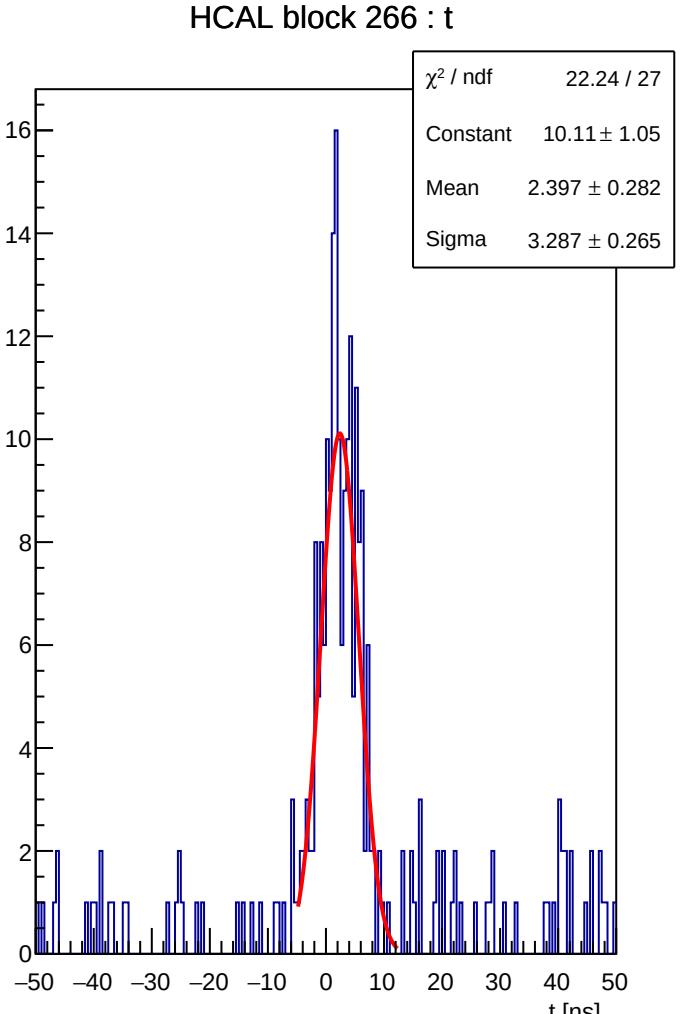

HCAL block 263 : t tw corr
χ² / ndf 56.33 / 25
Constant 339.9 ± 6.3
Mean 0.1125 ± 0.0464
Sigma 3.054 ± 0.043
350
300
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

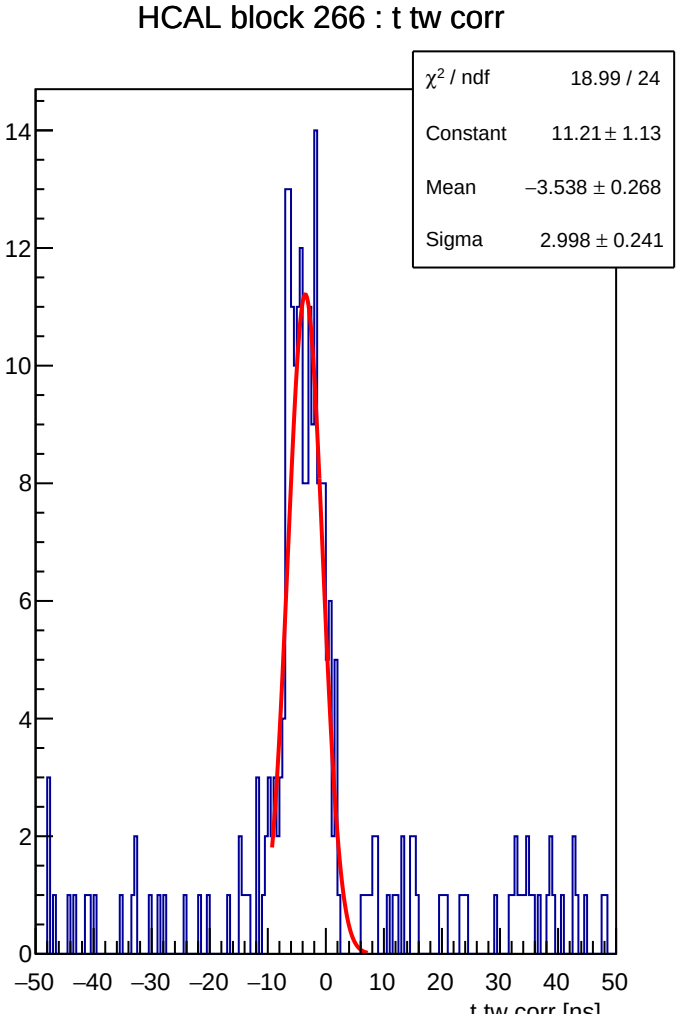

HCAL block 264 : t
χ² / ndf 232.3 / 35
Constant 206.5 ± 5.0
Mean 4.842 ± 0.065
Sigma 3.736 ± 0.075
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

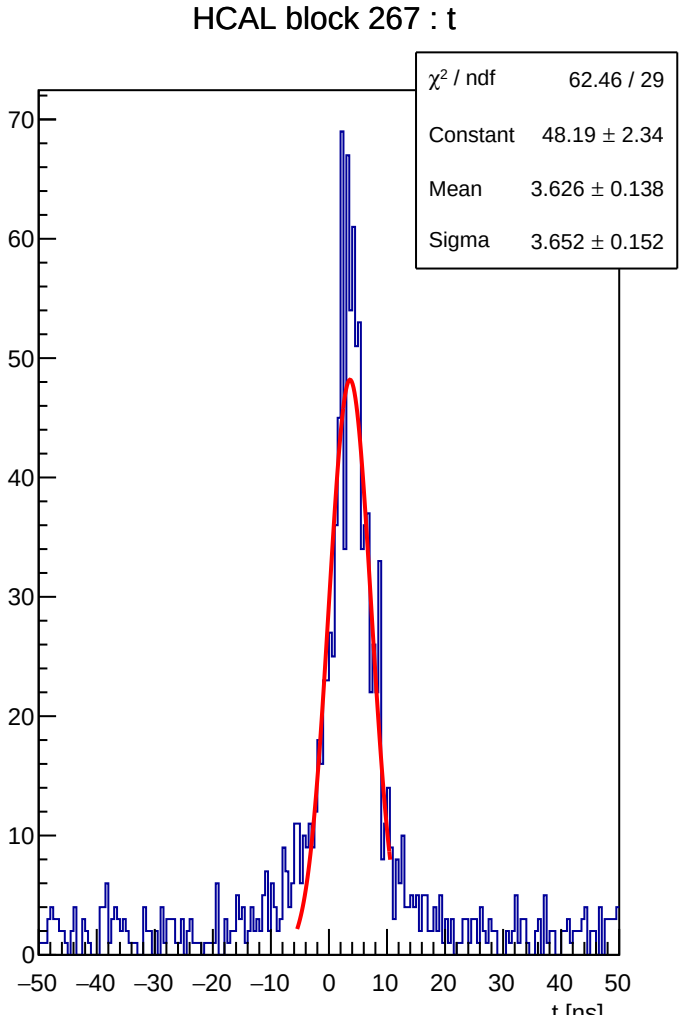

HCAL block 264 : t tw corr
χ² / ndf 125.1 / 34
Constant 209.9 ± 4.8
Mean 1.231 ± 0.064
Sigma 3.73 ± 0.07
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

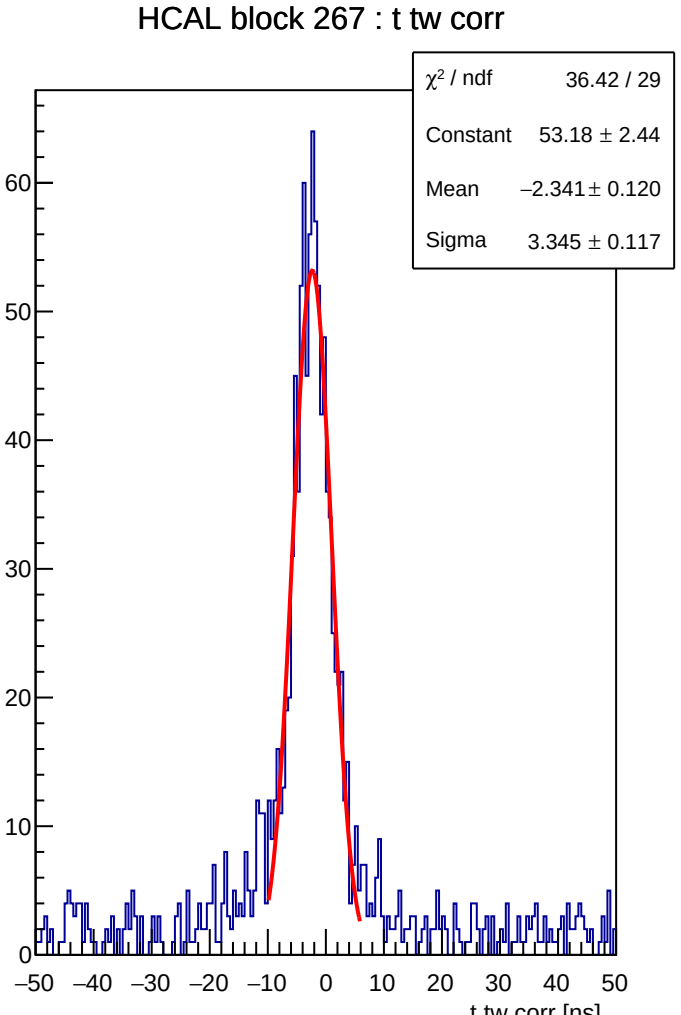

HCAL block 265 : t
χ² / ndf 34.49 / 28
Constant 14.96 ± 1.34
Mean 4.014 ± 0.233
Sigma 3.179 ± 0.226
t [ns]

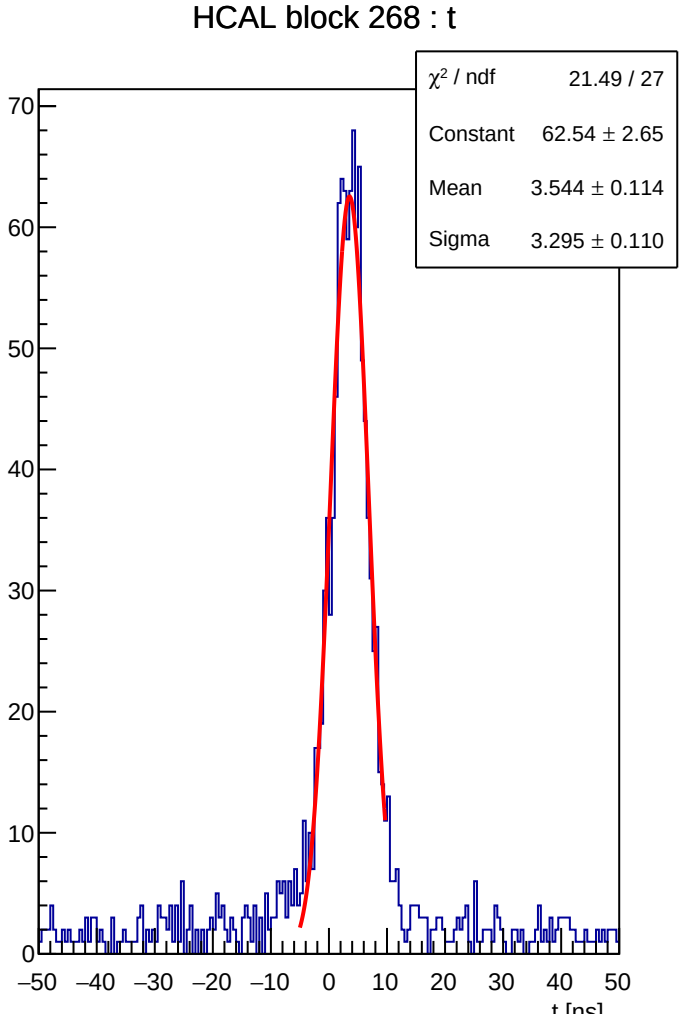

HCAL block 265 : t tw corr
χ² / ndf 36.15 / 30
Constant 16.07 ± 1.39
Mean −1.57 ± 0.20
Sigma 2.868 ± 0.174
t tw corr [ns]

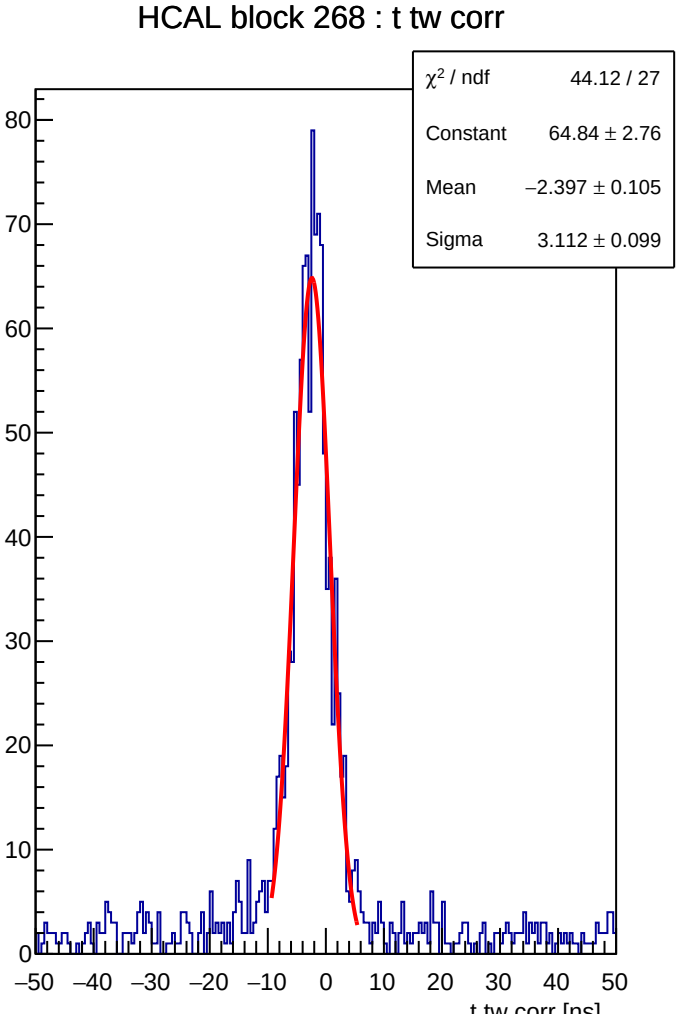

HCAL block 266 : t
χ² / ndf 22.24 / 27
Constant 10.11 ± 1.05
Mean 2.397 ± 0.282
Sigma 3.287 ± 0.265
16
14
12
10
8
6
4
2
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

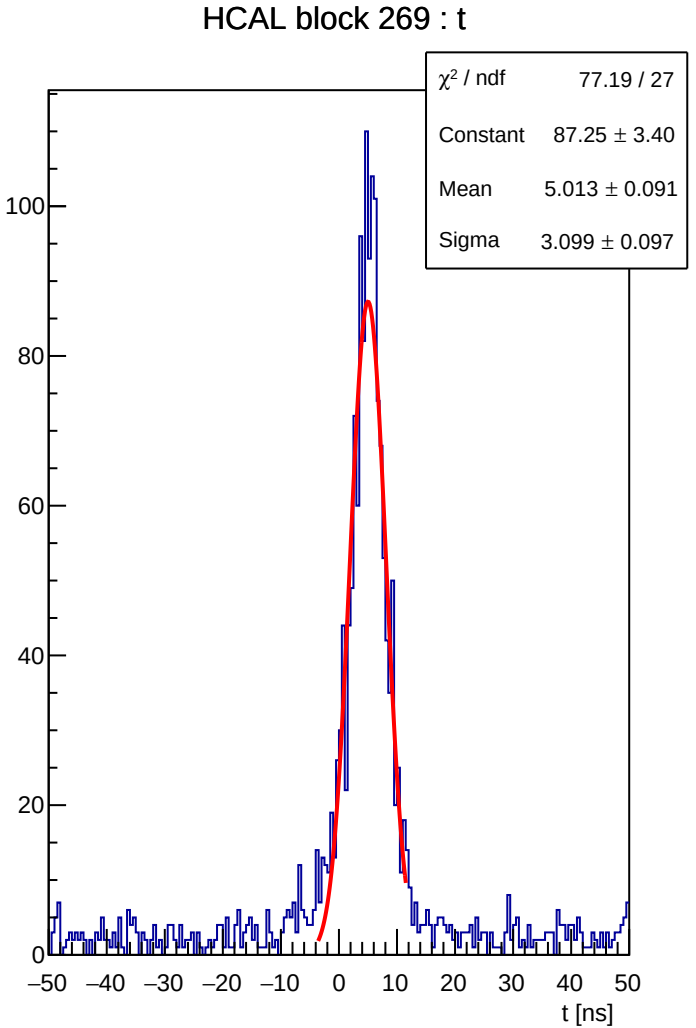

HCAL block 266 : t tw corr
χ² / ndf 18.99 / 24
Constant 11.21 ± 1.13
Mean –3.538 ± 0.268
Sigma 2.998 ± 0.241
14
12
10
8
6
4
2
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

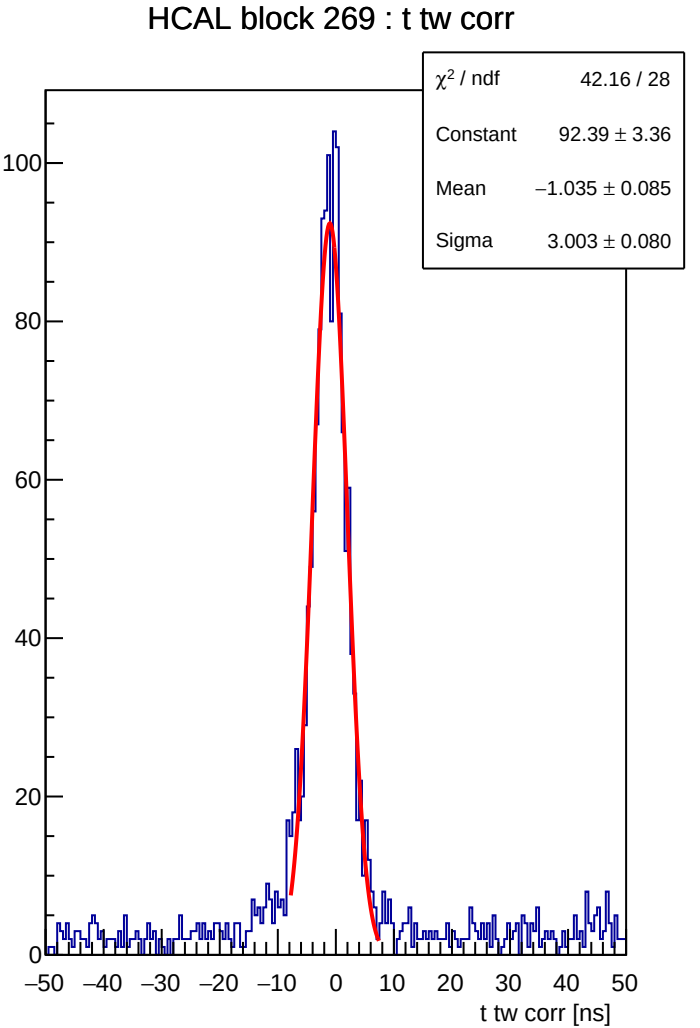

HCAL block 267 : t
χ² / ndf 62.46 / 29
Constant 48.19 ± 2.34
Mean 3.626 ± 0.138
Sigma 3.652 ± 0.152
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

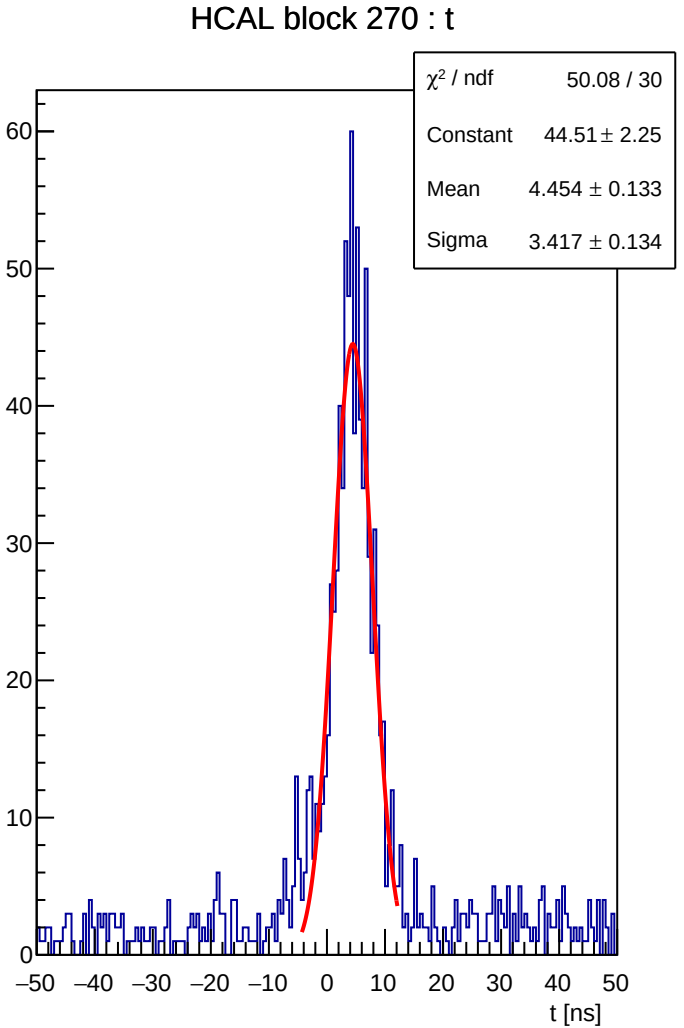

HCAL block 267 : t tw corr
χ² / ndf 36.42 / 29
Constant 53.18 ± 2.44
Mean –2.341 ± 0.120
Sigma 3.345 ± 0.117
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

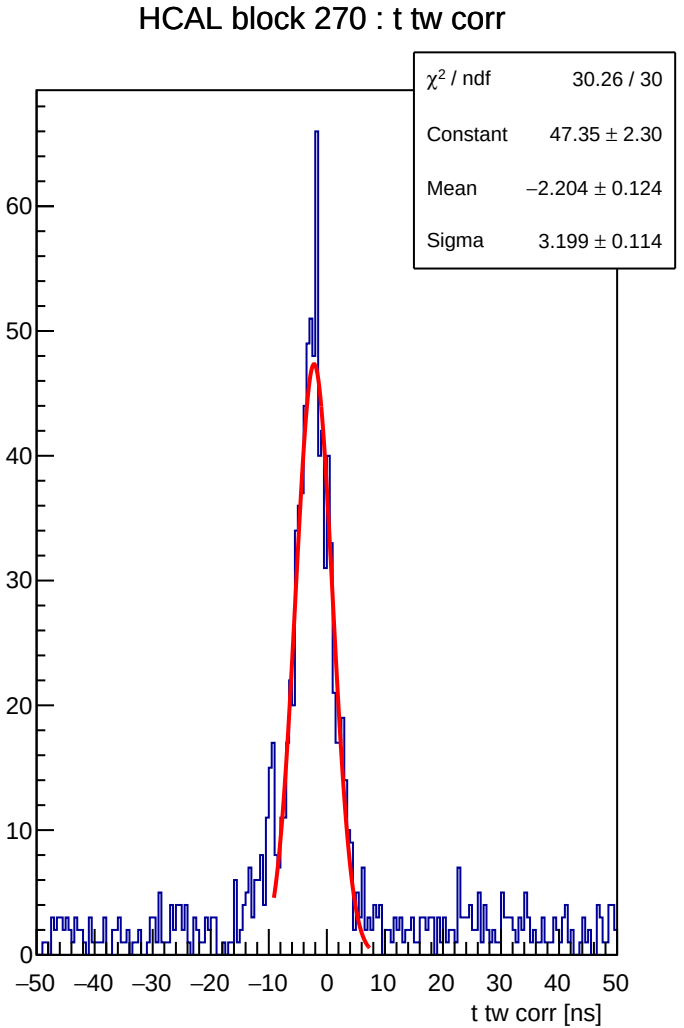

HCAL block 268 : t
χ² / ndf 21.49 / 27
Constant 62.54 ± 2.65
Mean 3.544 ± 0.114
Sigma 3.295 ± 0.110
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

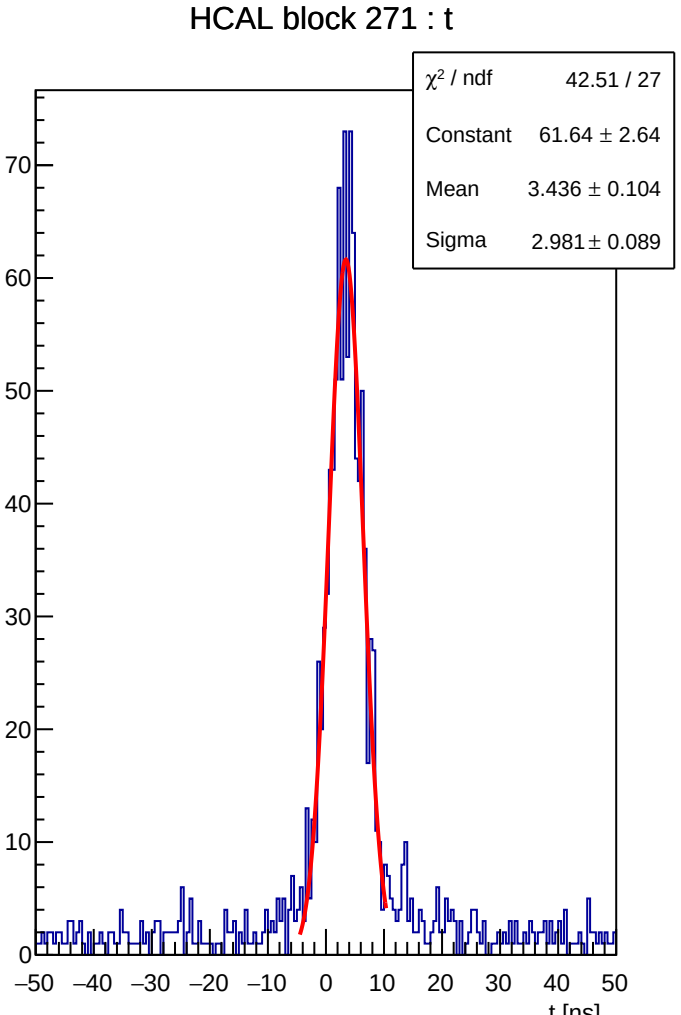

HCAL block 268 : t tw corr
χ² / ndf 44.12 / 27
Constant 64.84 ± 2.76
Mean –2.397 ± 0.105
Sigma 3.112 ± 0.099
80
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

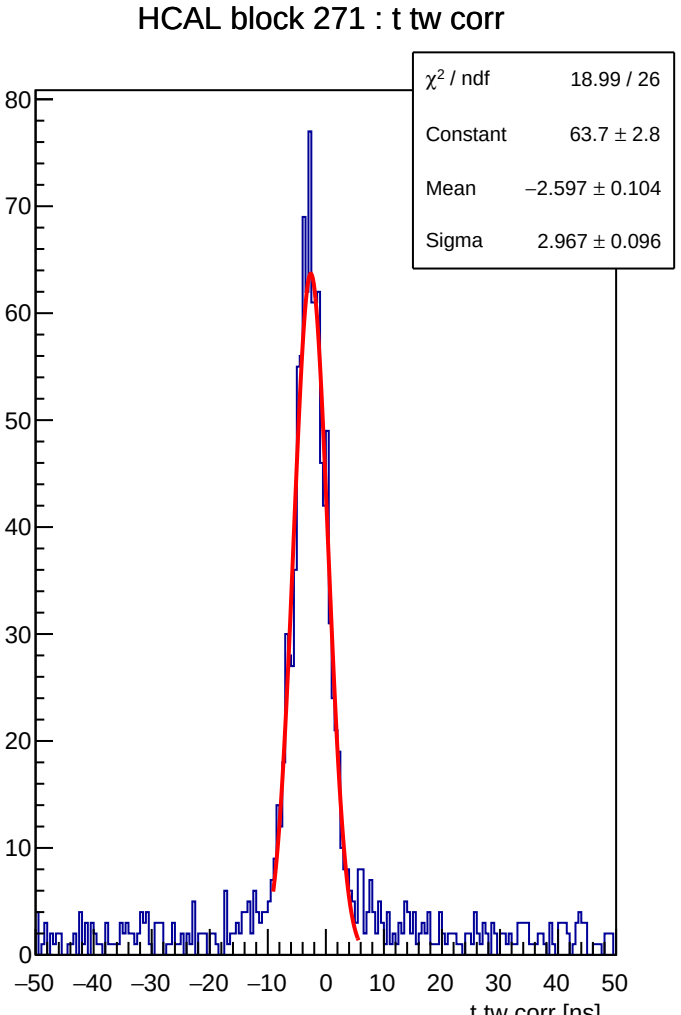

HCAL block 269 : t
χ² / ndf 77.19 / 27
Constant 87.25 ± 3.40
Mean 5.013 ± 0.091
Sigma 3.099 ± 0.097
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

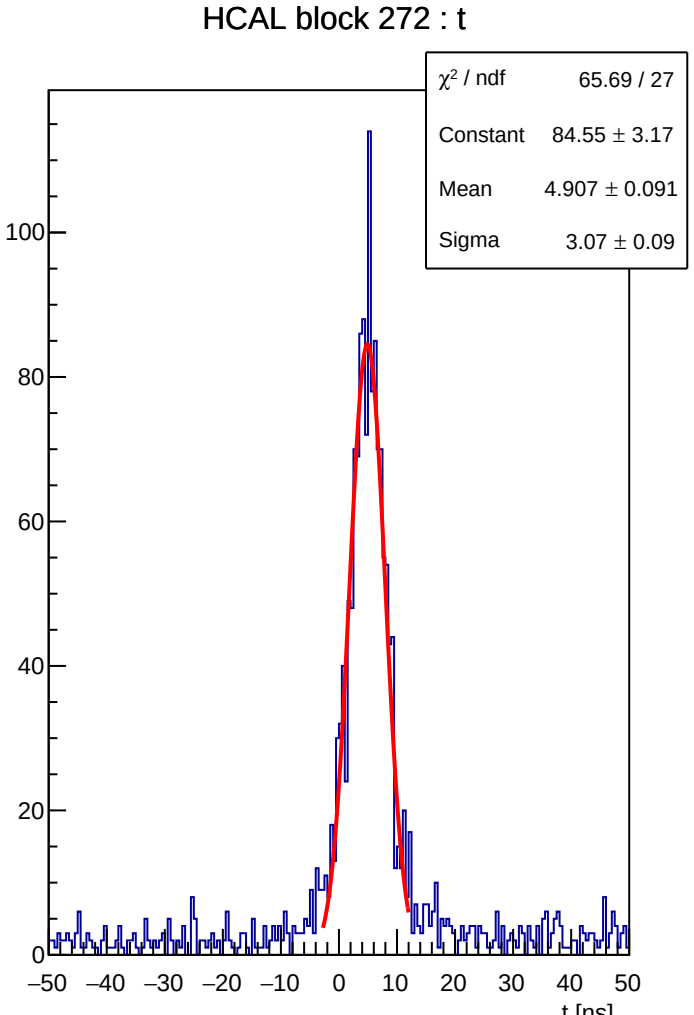

HCAL block 269 : t tw corr
χ² / ndf 42.16 / 28
Constant 92.39 ± 3.36
Mean –1.035 ± 0.085
Sigma 3.003 ± 0.080
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

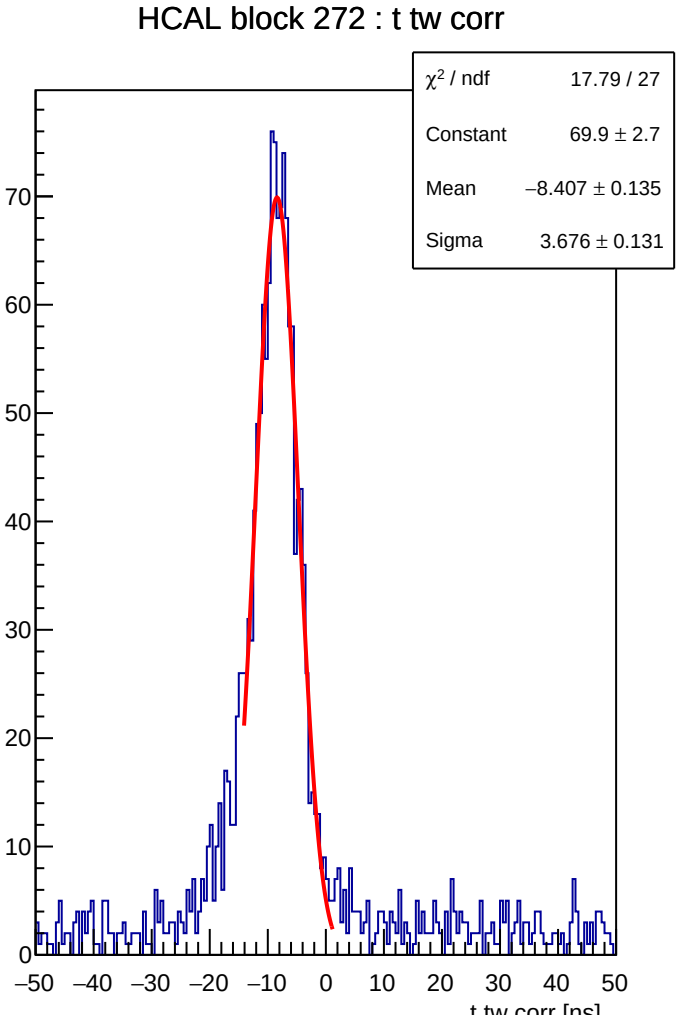

HCAL block 270 : t
χ² / ndf 50.08 / 30
Constant 44.51 ± 2.25
Mean 4.454 ± 0.133
Sigma 3.417 ± 0.134
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

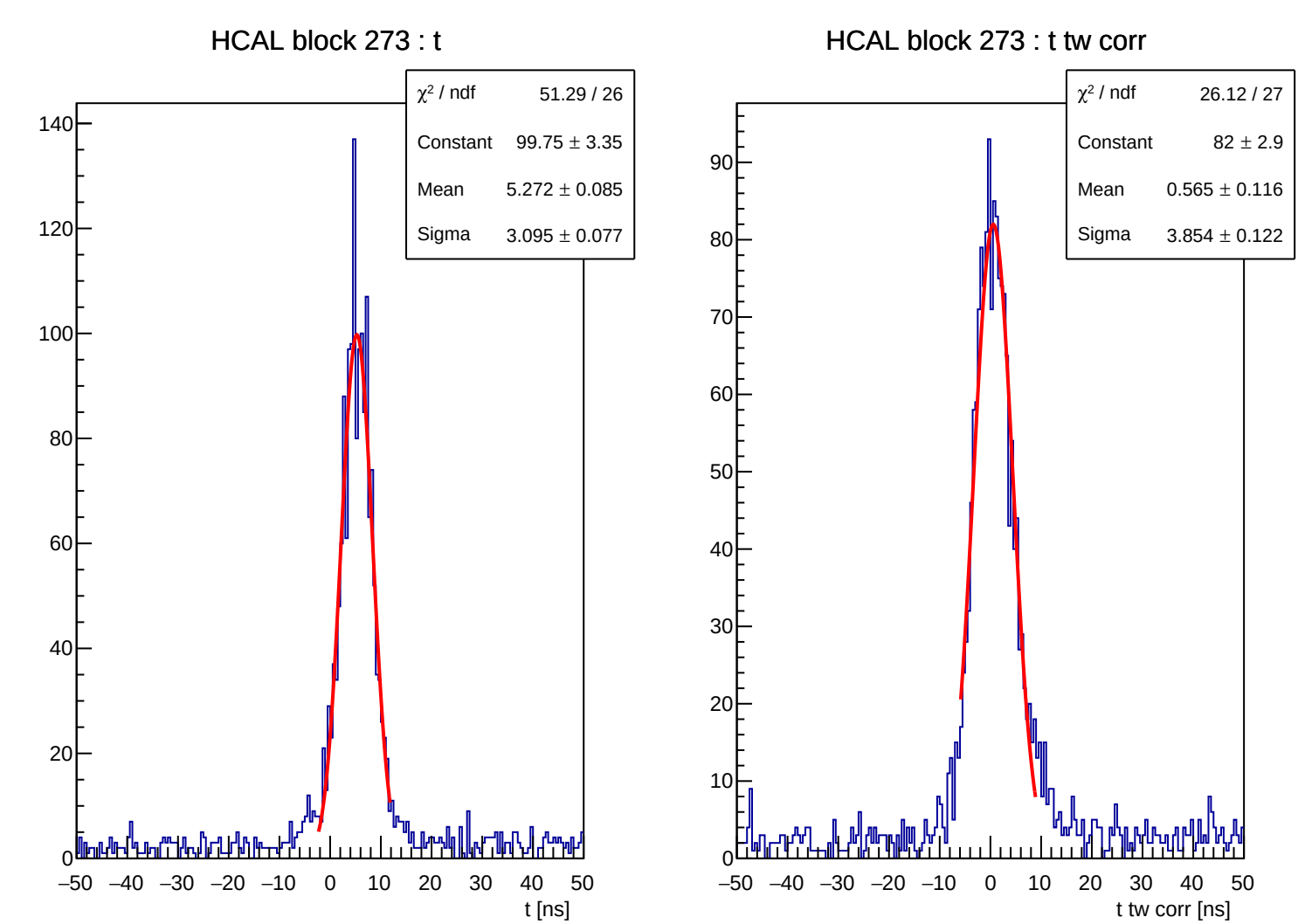

HCAL block 270 : t tw corr
χ² / ndf 30.26 / 30
Constant 47.35 ± 2.30
Mean –2.204 ± 0.124
Sigma 3.199 ± 0.114
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

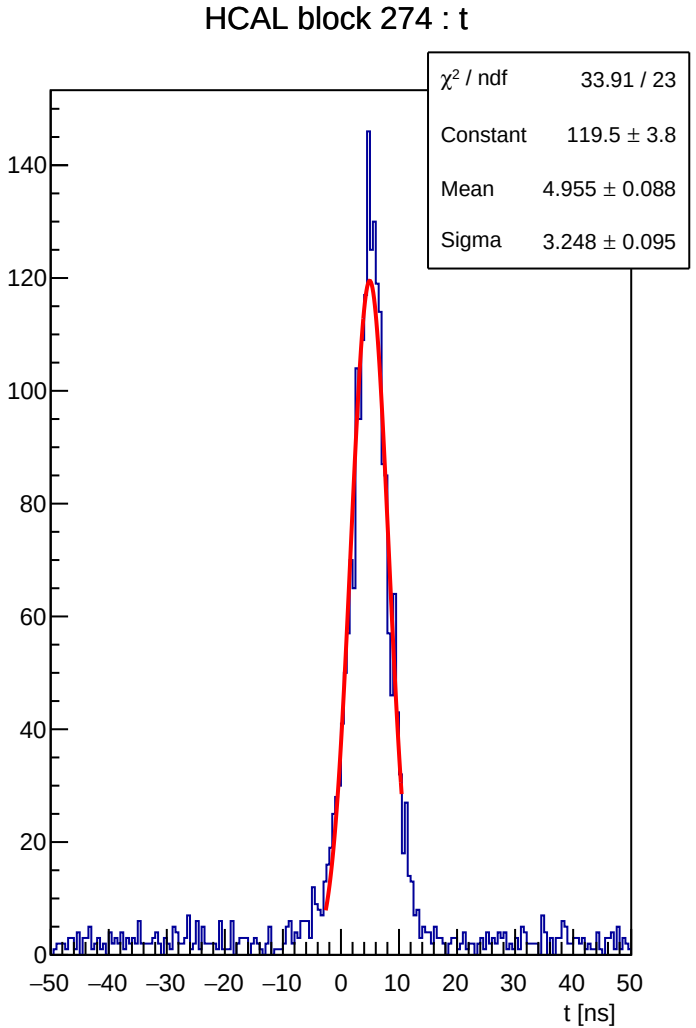

HCAL block 271 : t
χ² / ndf 42.51 / 27
Constant 61.64 ± 2.64
Mean 3.436 ± 0.104
Sigma 2.981 ± 0.089
t [ns]

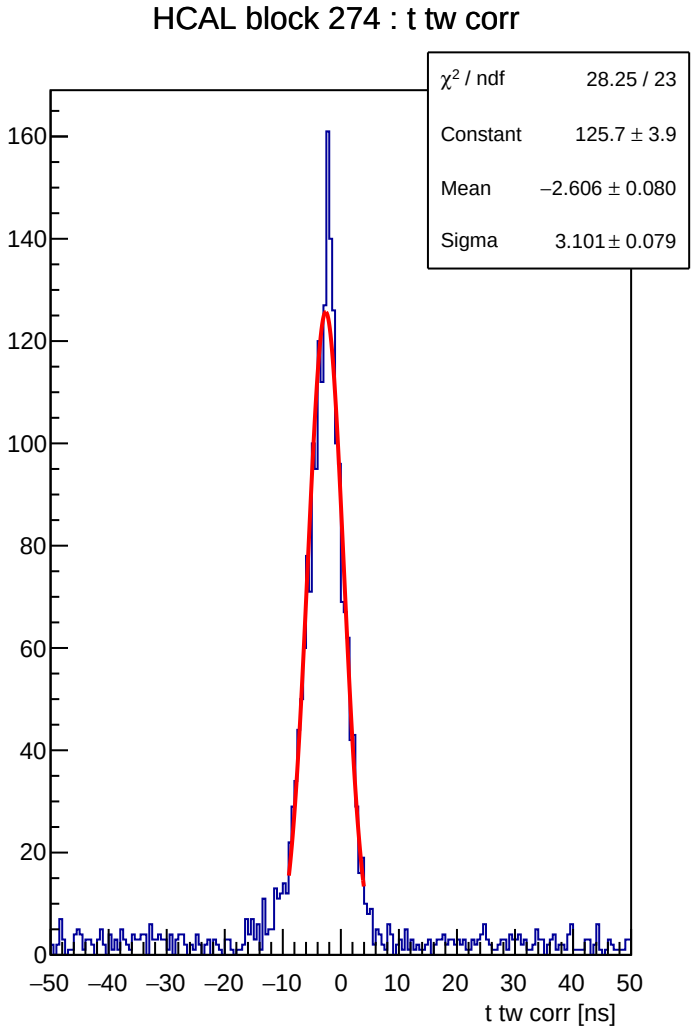

HCAL block 271 : t tw corr
χ² / ndf 18.99 / 26
Constant 63.7 ± 2.8
Mean −2.597 ± 0.104
Sigma 2.967 ± 0.096
t tw corr [ns]

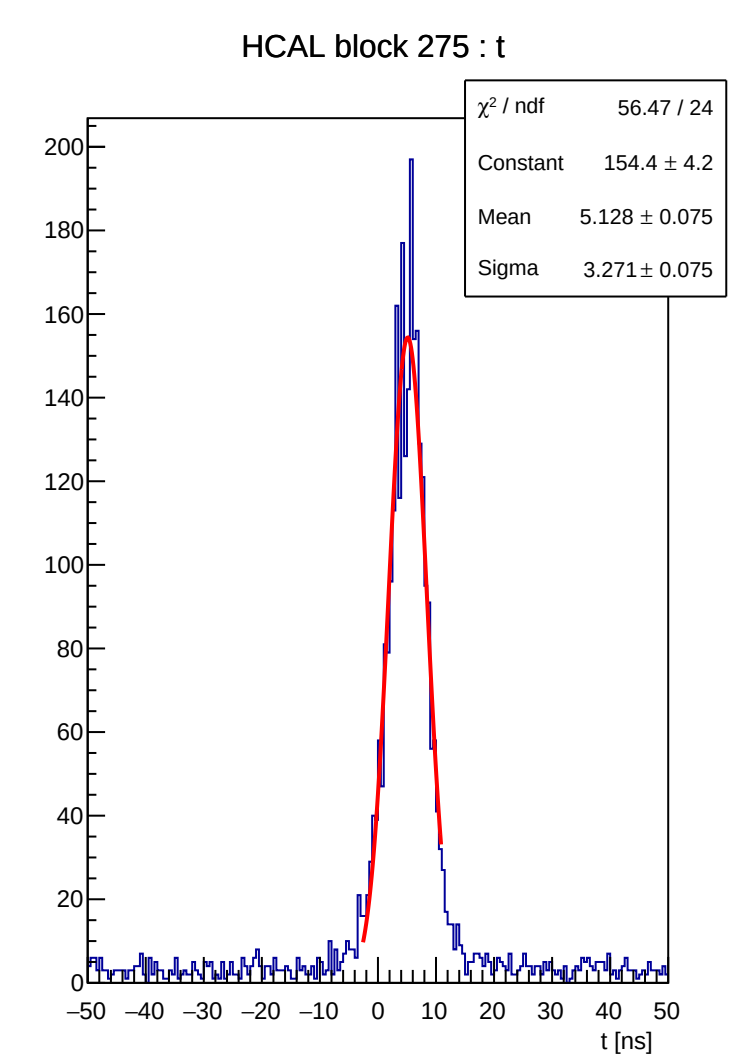

HCAL block 272 : t
χ² / ndf 65.69 / 27
Constant 84.55 ± 3.17
Mean 4.907 ± 0.091
Sigma 3.07 ± 0.09
t [ns]

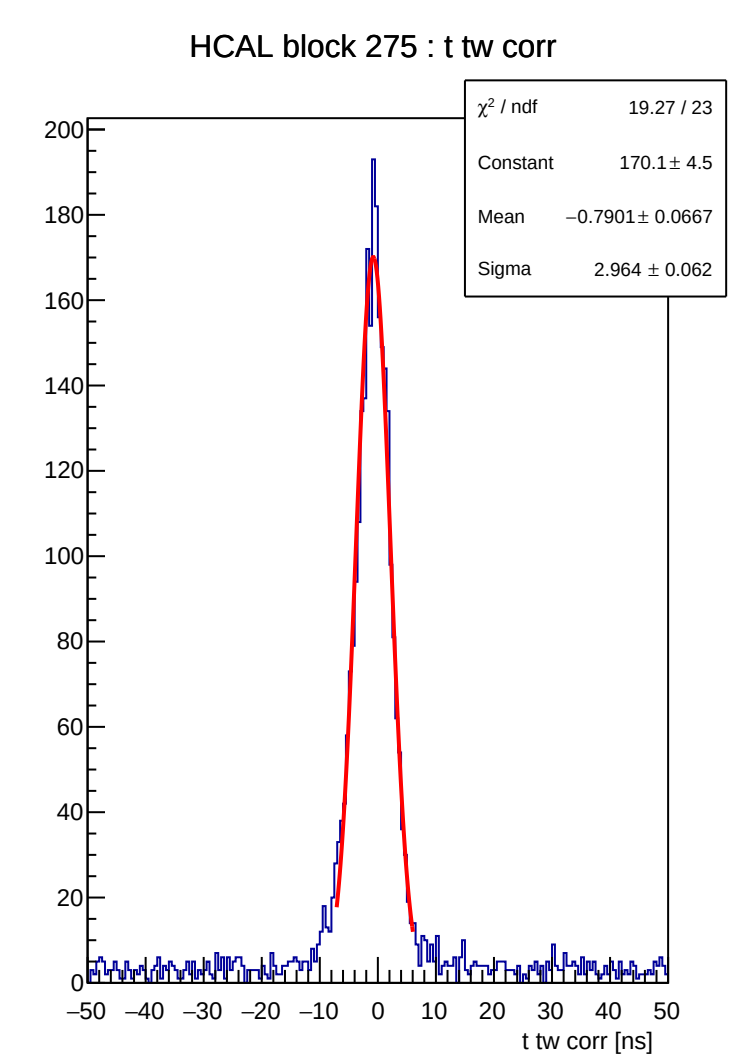

HCAL block 272 : t tw corr
χ² / ndf 17.79 / 27
Constant 69.9 ± 2.7
Mean −8.407 ± 0.135
Sigma 3.676 ± 0.131
t tw corr [ns]

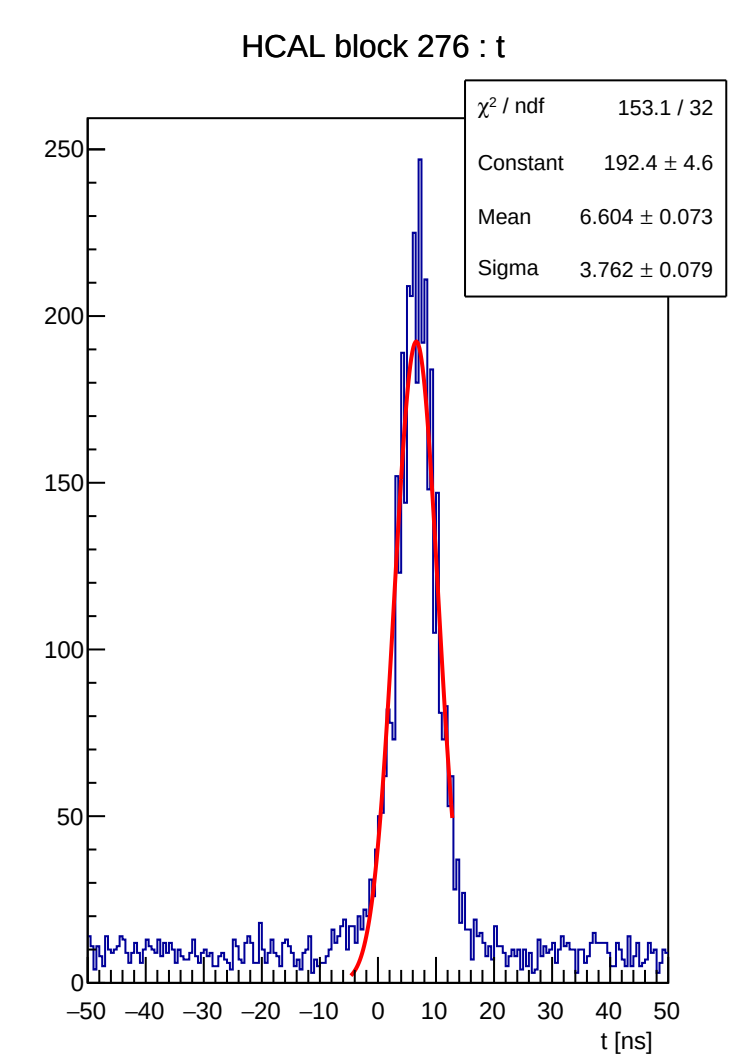

HCAL block 273 : t
χ² / ndf 51.29 / 26
Constant 99.75 ± 3.35
Mean 5.272 ± 0.085
Sigma 3.095 ± 0.077
t [ns]
HCAL block 273 : t tw corr
χ² / ndf 26.12 / 27
Constant 82 ± 2.9
Mean 0.565 ± 0.116
Sigma 3.854 ± 0.122
t tw corr [ns]

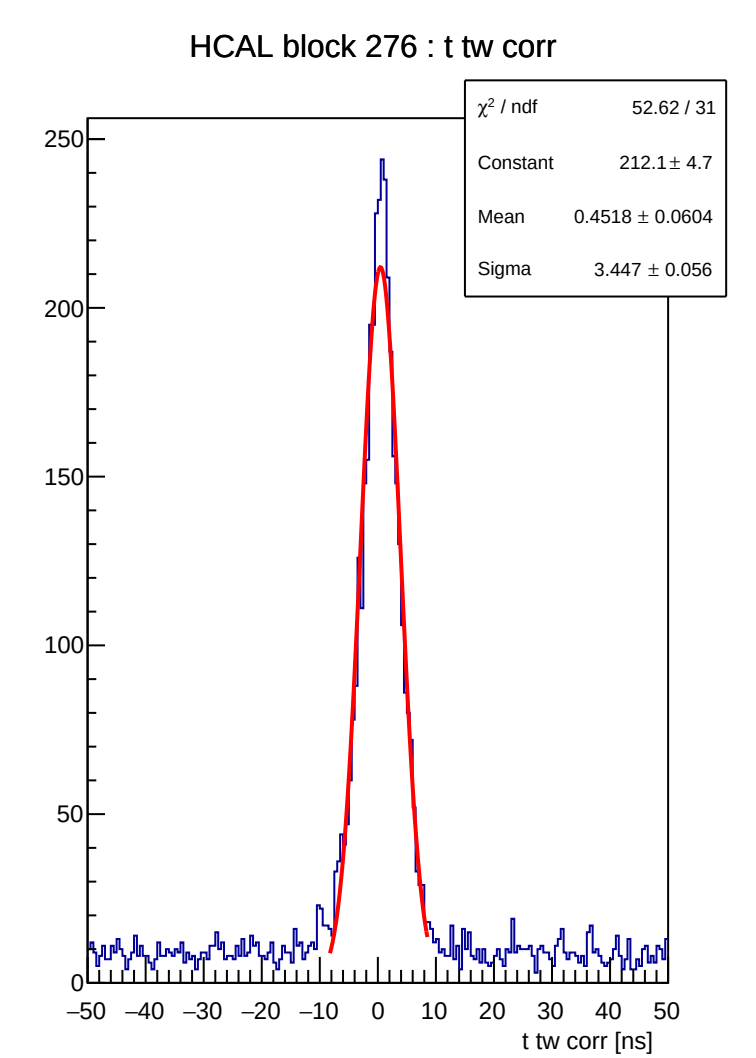

HCAL block 274 : t
χ² / ndf 33.91 / 23
Constant 119.5 ± 3.8
Mean 4.955 ± 0.088
Sigma 3.248 ± 0.095
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

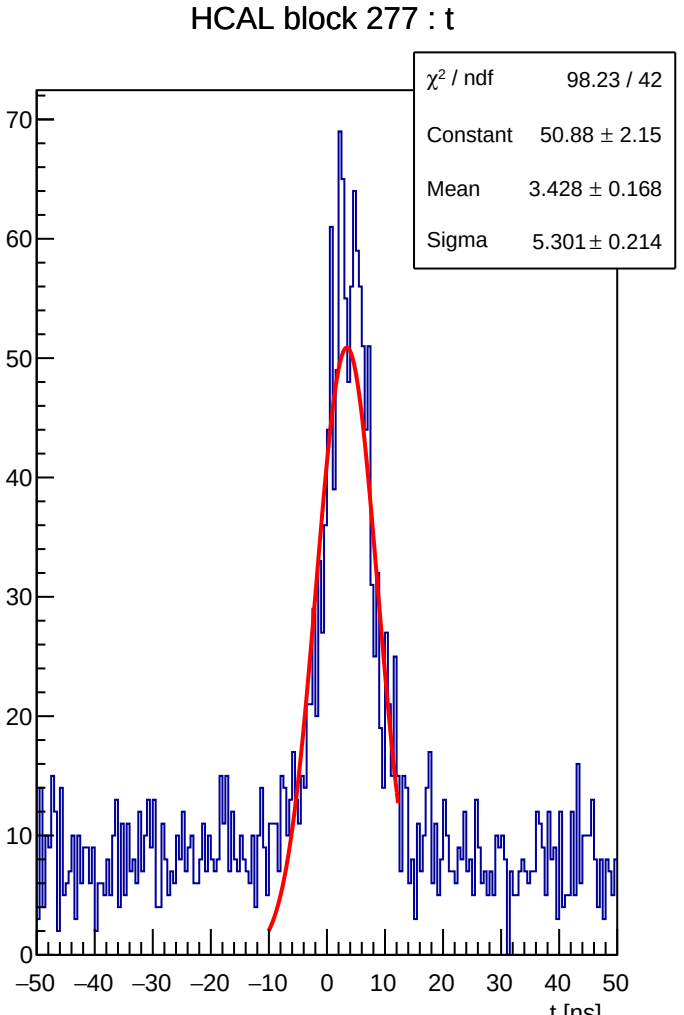

HCAL block 274 : t tw corr
χ² / ndf 28.25 / 23
Constant 125.7 ± 3.9
Mean –2.606 ± 0.080
Sigma 3.101 ± 0.079
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

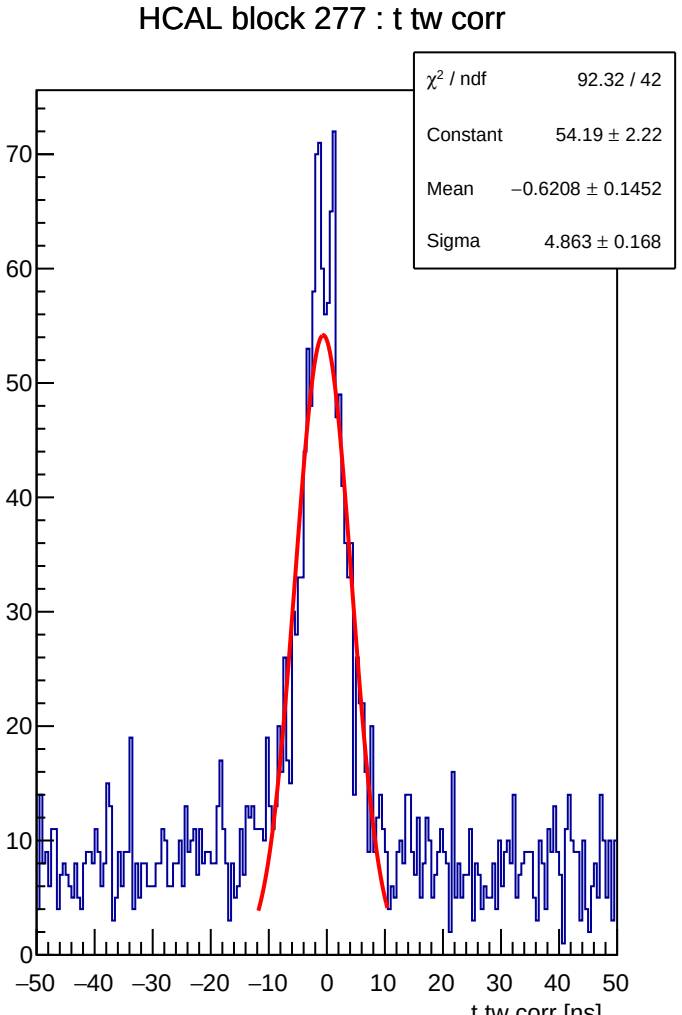

HCAL block 275 : t
χ² / ndf 56.47 / 24
Constant 154.4 ± 4.2
Mean 5.128 ± 0.075
Sigma 3.271 ± 0.075
t [ns]

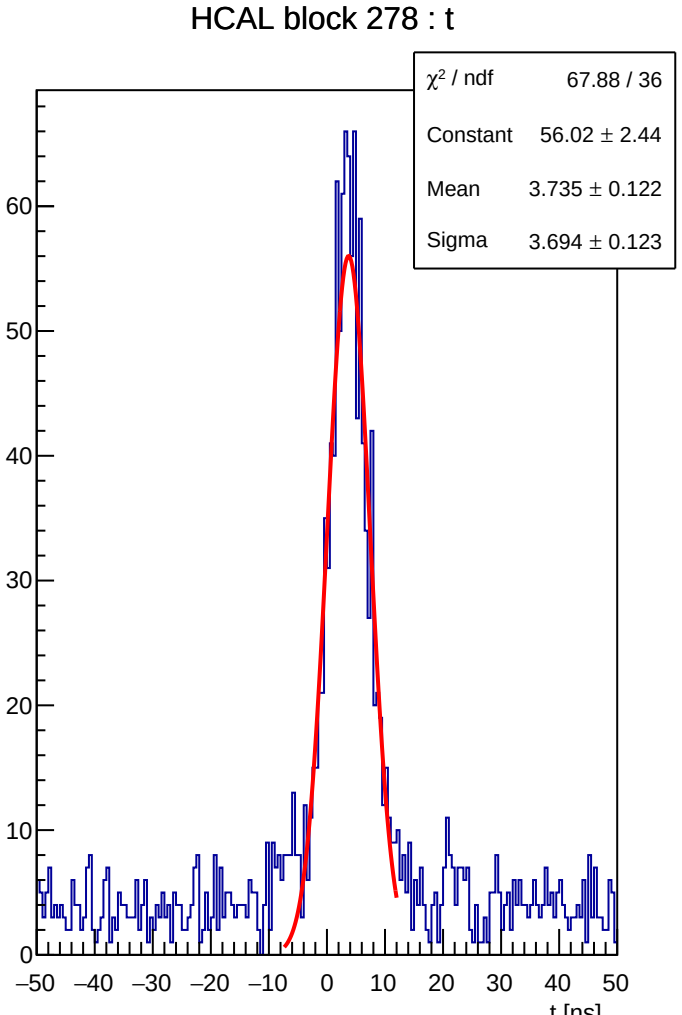

HCAL block 275 : t tw corr
χ² / ndf 19.27 / 23
Constant 170.1 ± 4.5
Mean −0.7901 ± 0.0667
Sigma 2.964 ± 0.062
t tw corr [ns]

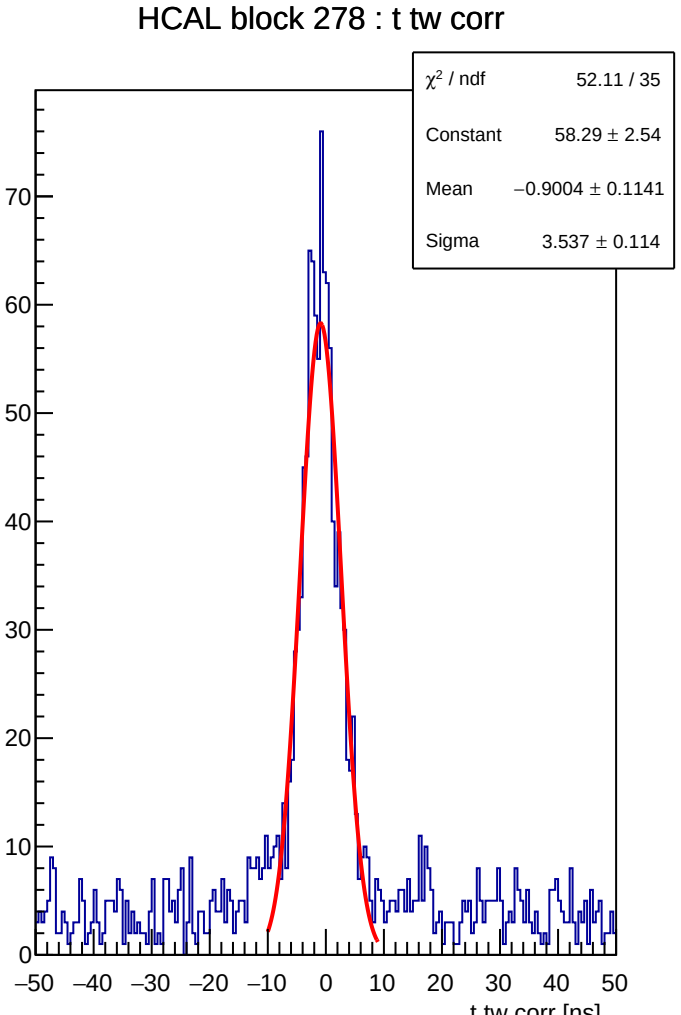

HCAL block 276 : t
χ² / ndf 153.1 / 32
Constant 192.4 ± 4.6
Mean 6.604 ± 0.073
Sigma 3.762 ± 0.079
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

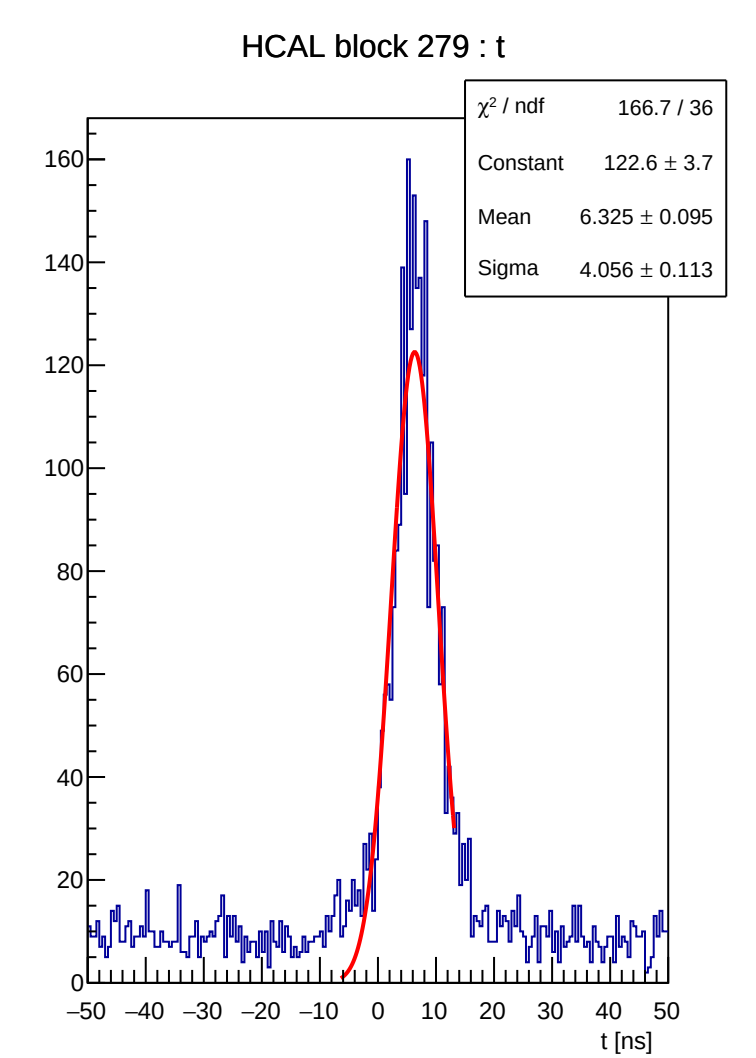

HCAL block 276 : t tw corr
χ² / ndf 52.62 / 31
Constant 212.1 ± 4.7
Mean 0.4518 ± 0.0604
Sigma 3.447 ± 0.056
250
200
150
100
50
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

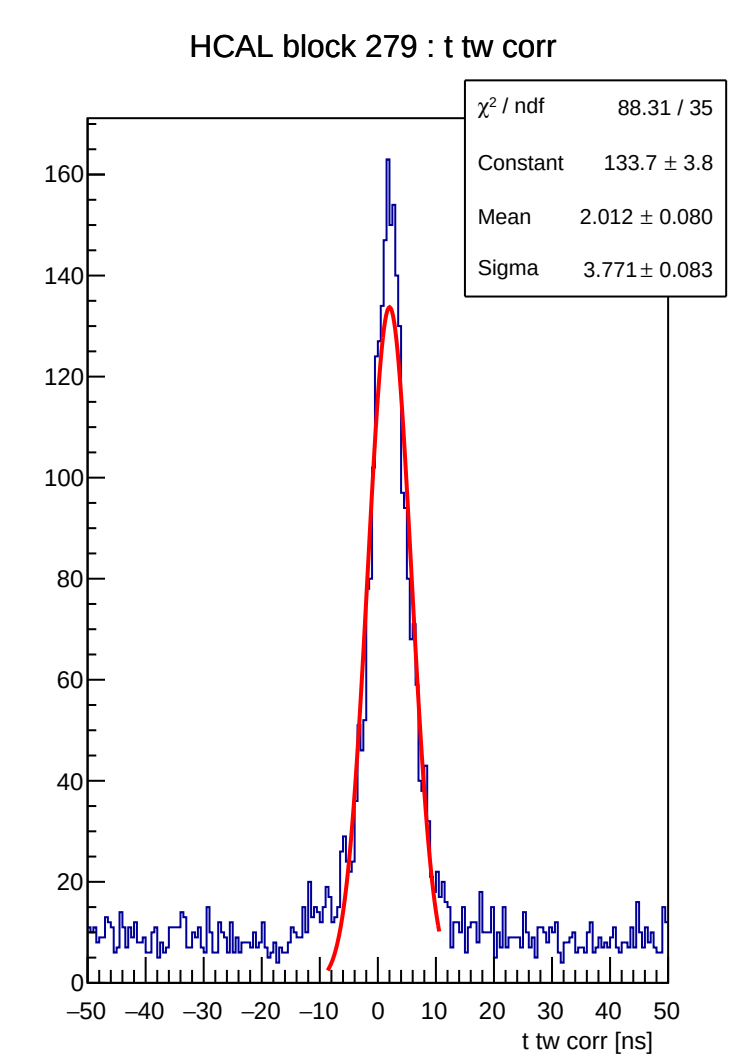

HCAL block 277 : t
χ² / ndf 98.23 / 42
Constant 50.88 ± 2.15
Mean 3.428 ± 0.168
Sigma 5.301 ± 0.214
t [ns]

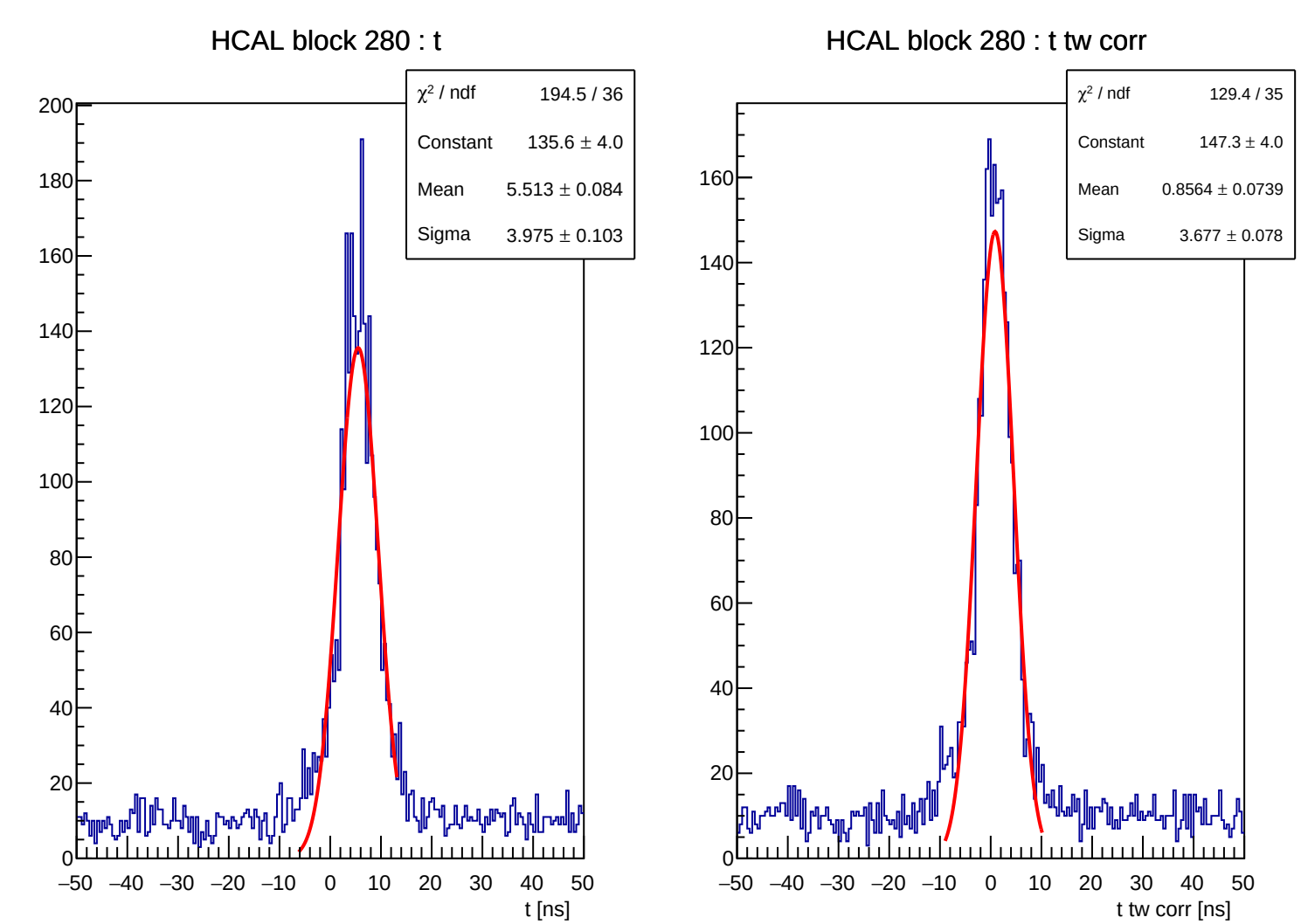

HCAL block 277 : t tw corr
χ² / ndf 92.32 / 42
Constant 54.19 ± 2.22
Mean −0.6208 ± 0.1452
Sigma 4.863 ± 0.168
t tw corr [ns]

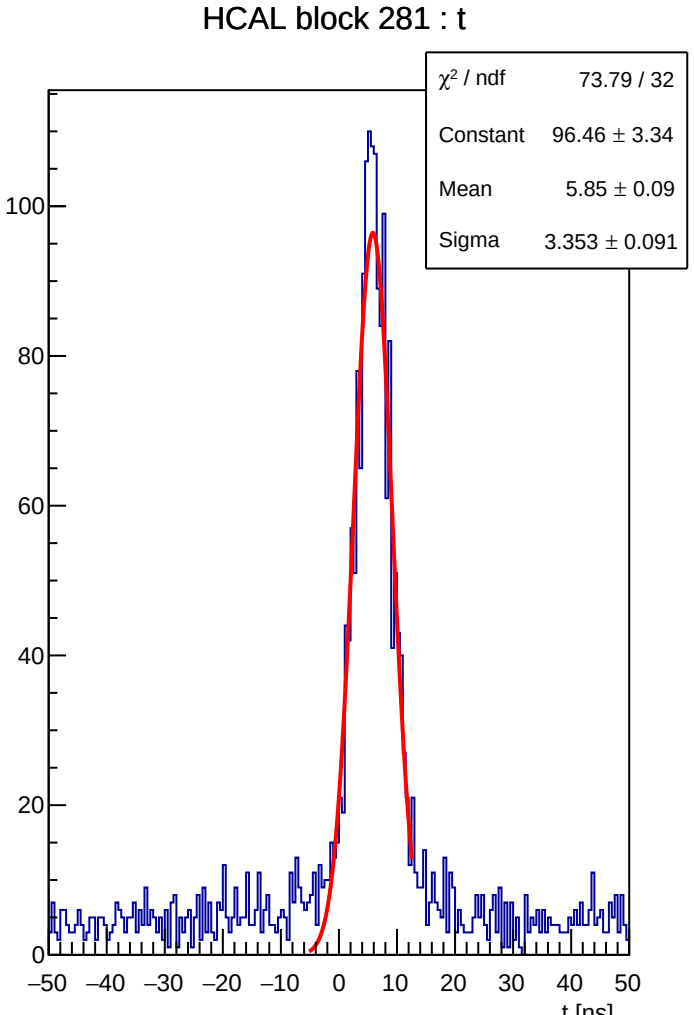

HCAL block 278 : t
χ² / ndf 67.88 / 36
Constant 56.02 ± 2.44
Mean 3.735 ± 0.122
Sigma 3.694 ± 0.123
t [ns]

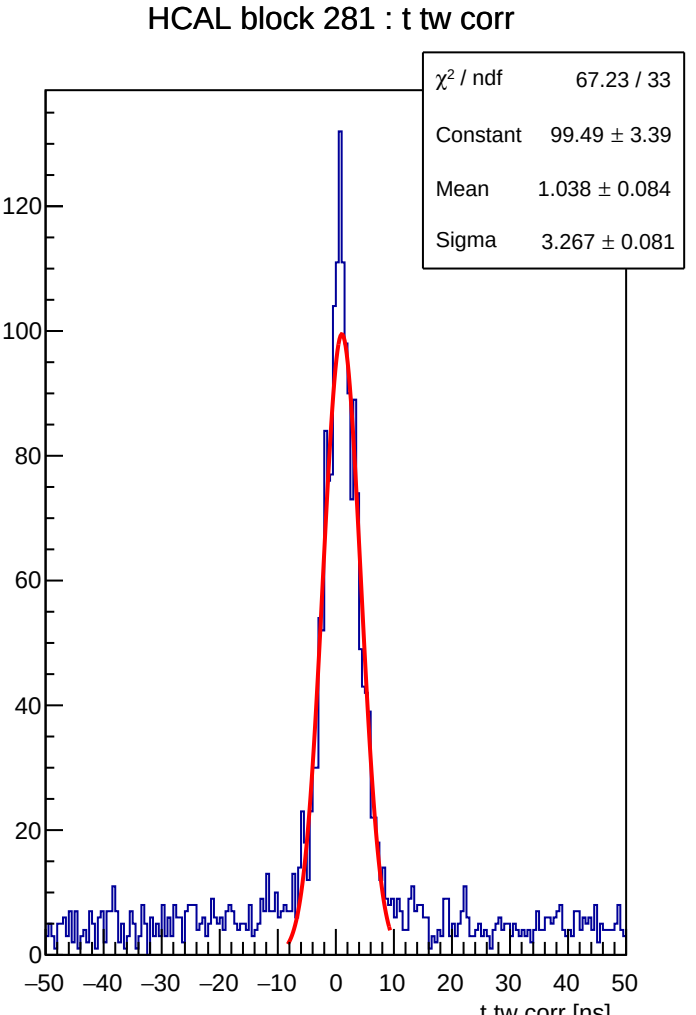

HCAL block 278 : t tw corr
χ² / ndf 52.11 / 35
Constant 58.29 ± 2.54
Mean −0.9004 ± 0.1141
Sigma 3.537 ± 0.114
t tw corr [ns]

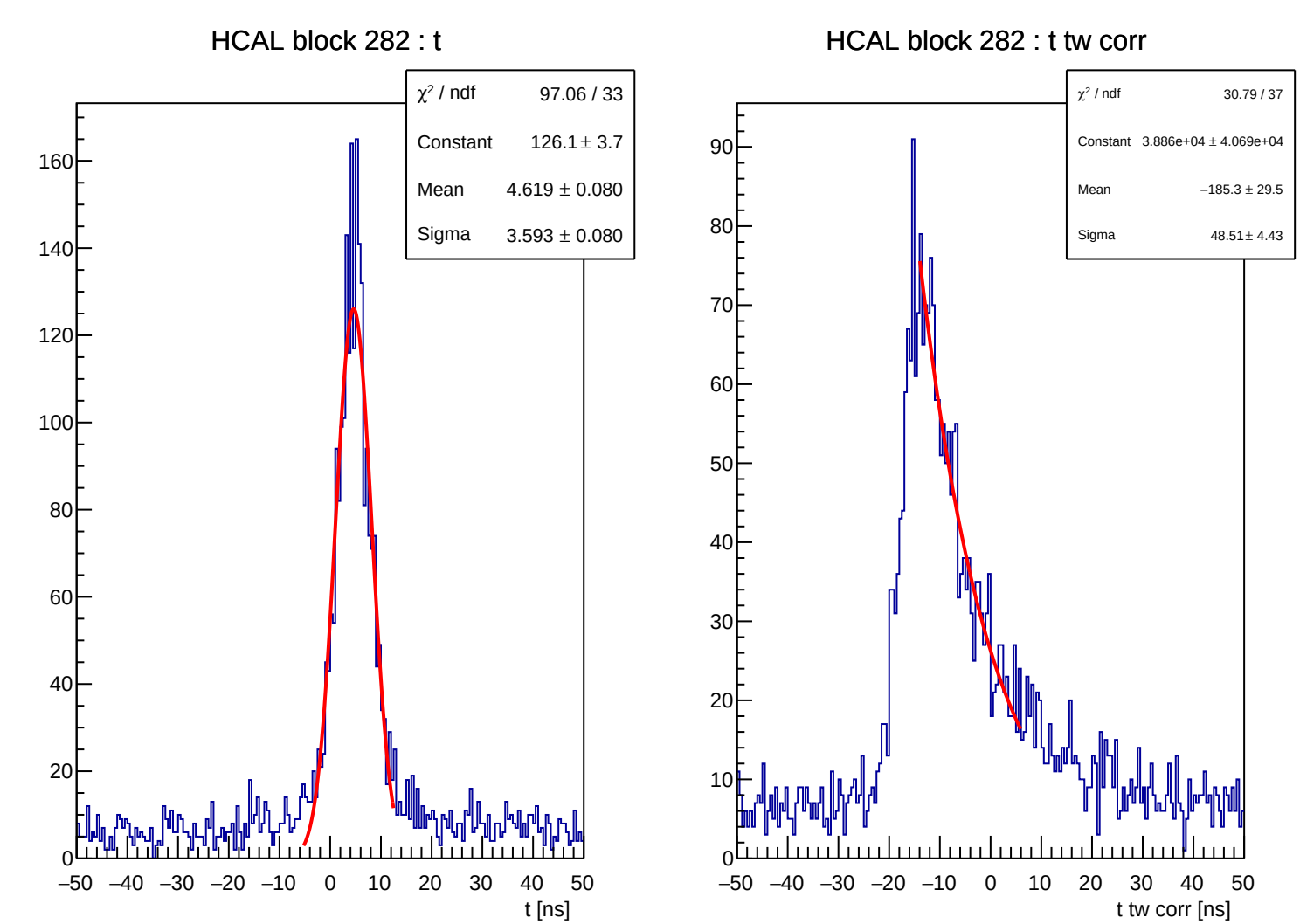

HCAL block 279 : t
χ² / ndf 166.7 / 36
Constant 122.6 ± 3.7
Mean 6.325 ± 0.095
Sigma 4.056 ± 0.113
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

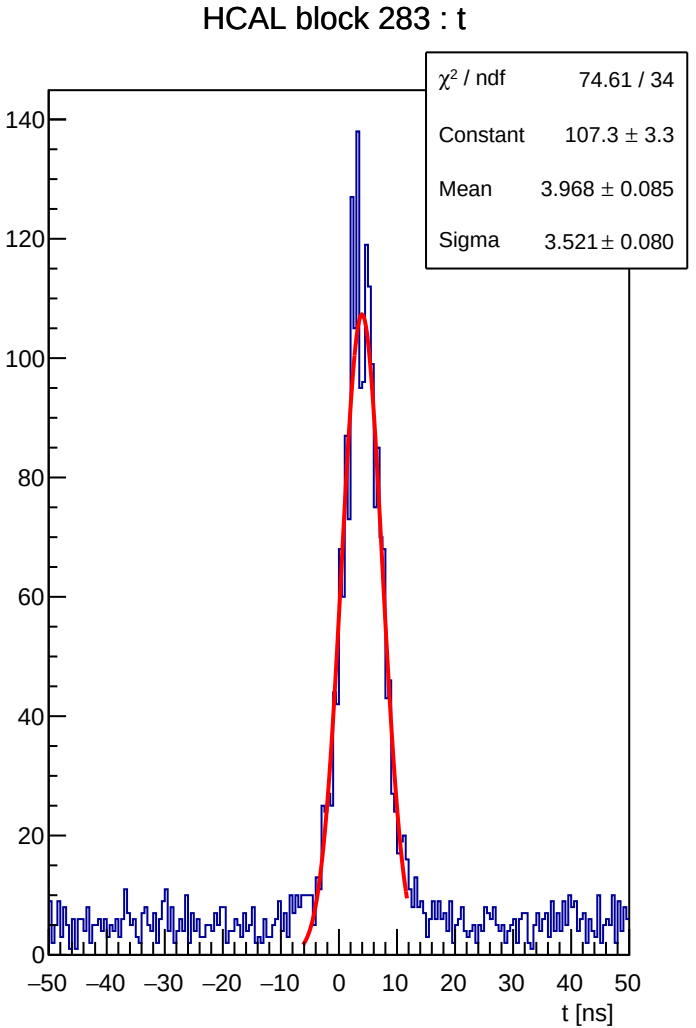

HCAL block 279 : t tw corr
χ² / ndf 88.31 / 35
Constant 133.7 ± 3.8
Mean 2.012 ± 0.080
Sigma 3.771 ± 0.083
160
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

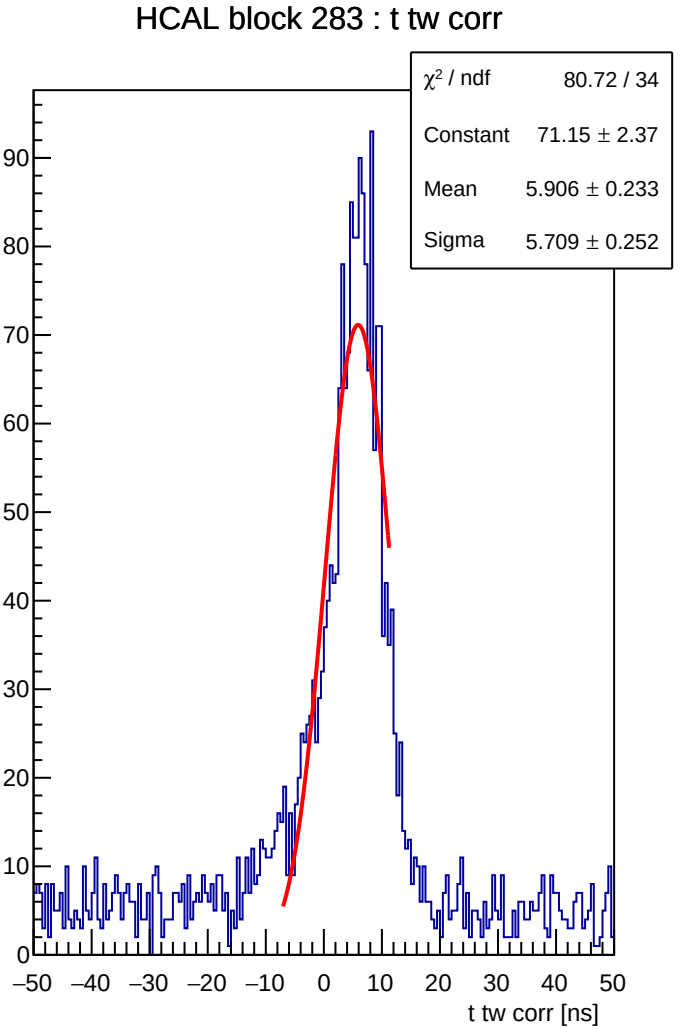

HCAL block 280 : t
χ² / ndf 194.5 / 36
Constant 135.6 ± 4.0
Mean 5.513 ± 0.084
Sigma 3.975 ± 0.103
t [ns]
HCAL block 280 : t tw corr
χ² / ndf 129.4 / 35
Constant 147.3 ± 4.0
Mean 0.8564 ± 0.0739
Sigma 3.677 ± 0.078
t tw corr [ns]

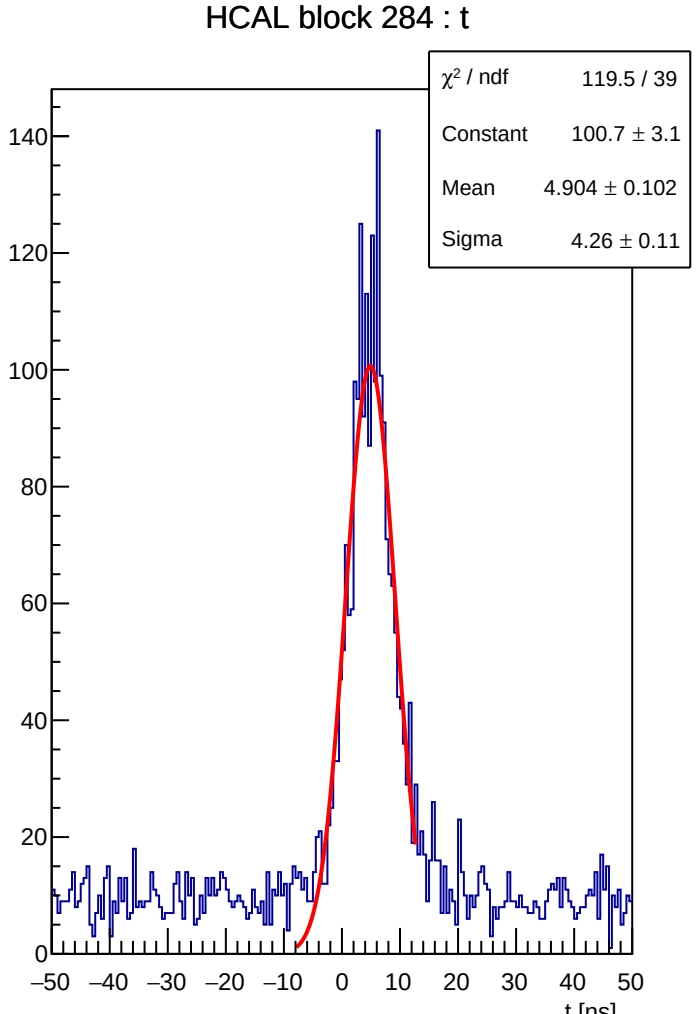

HCAL block 281 : t
χ² / ndf 73.79 / 32
Constant 96.46 ± 3.34
Mean 5.85 ± 0.09
Sigma 3.353 ± 0.091
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

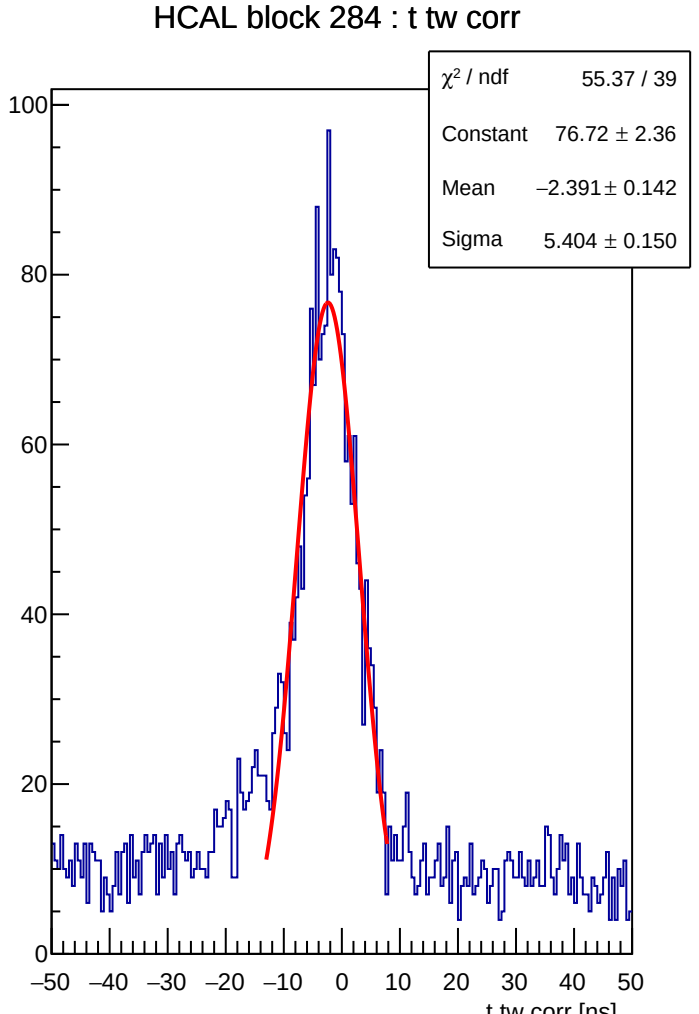

HCAL block 281 : t tw corr
χ² / ndf 67.23 / 33
Constant 99.49 ± 3.39
Mean 1.038 ± 0.084
Sigma 3.267 ± 0.081
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

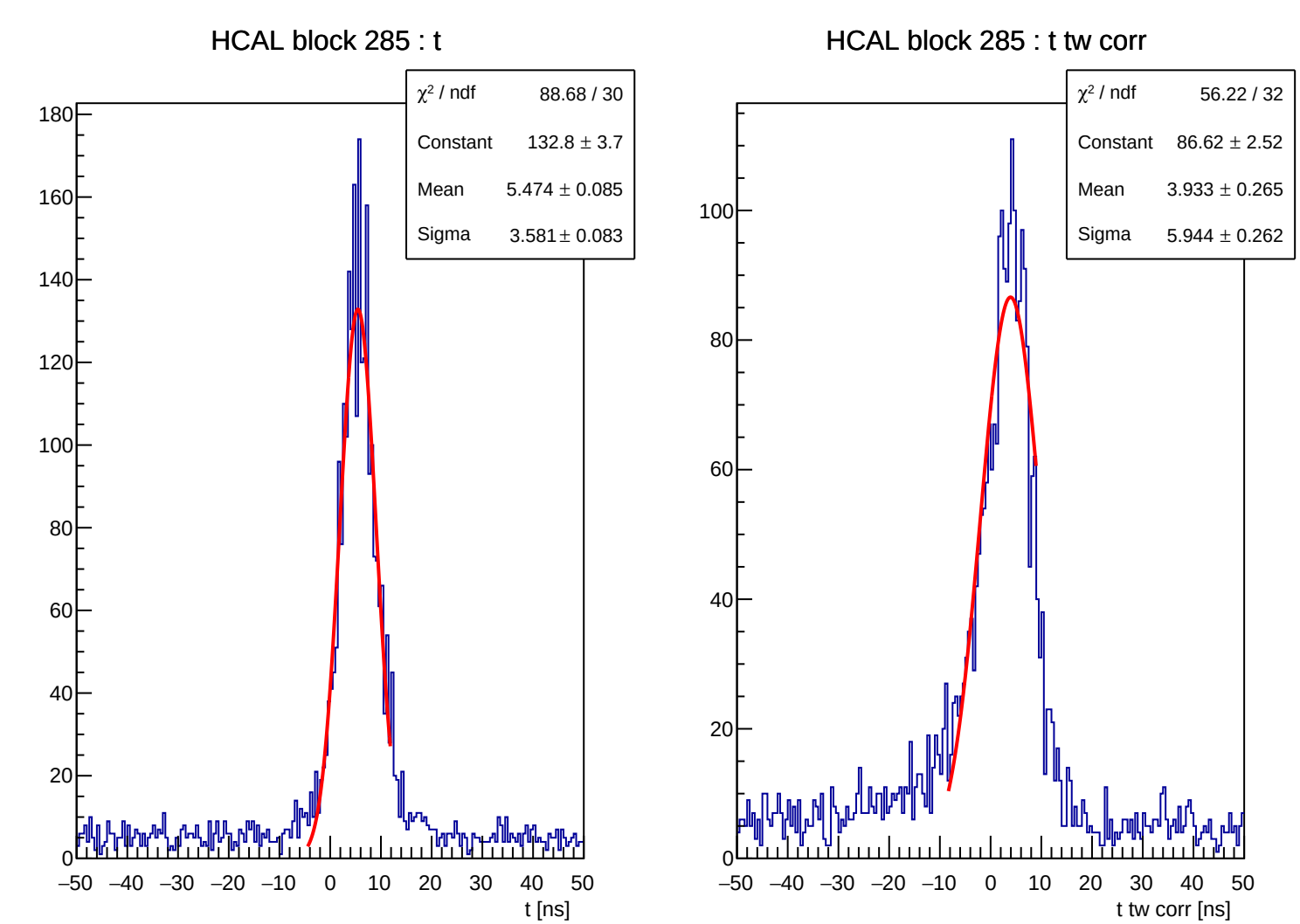

HCAL block 282 : t
χ² / ndf 97.06 / 33
Constant 126.1 ± 3.7
Mean 4.619 ± 0.080
Sigma 3.593 ± 0.080
t [ns]
HCAL block 282 : t tw corr
χ² / ndf 30.79 / 37
Constant 3.886e+04 ± 4.069e+04
Mean −185.3 ± 29.5
Sigma 48.51 ± 4.43
t tw corr [ns]

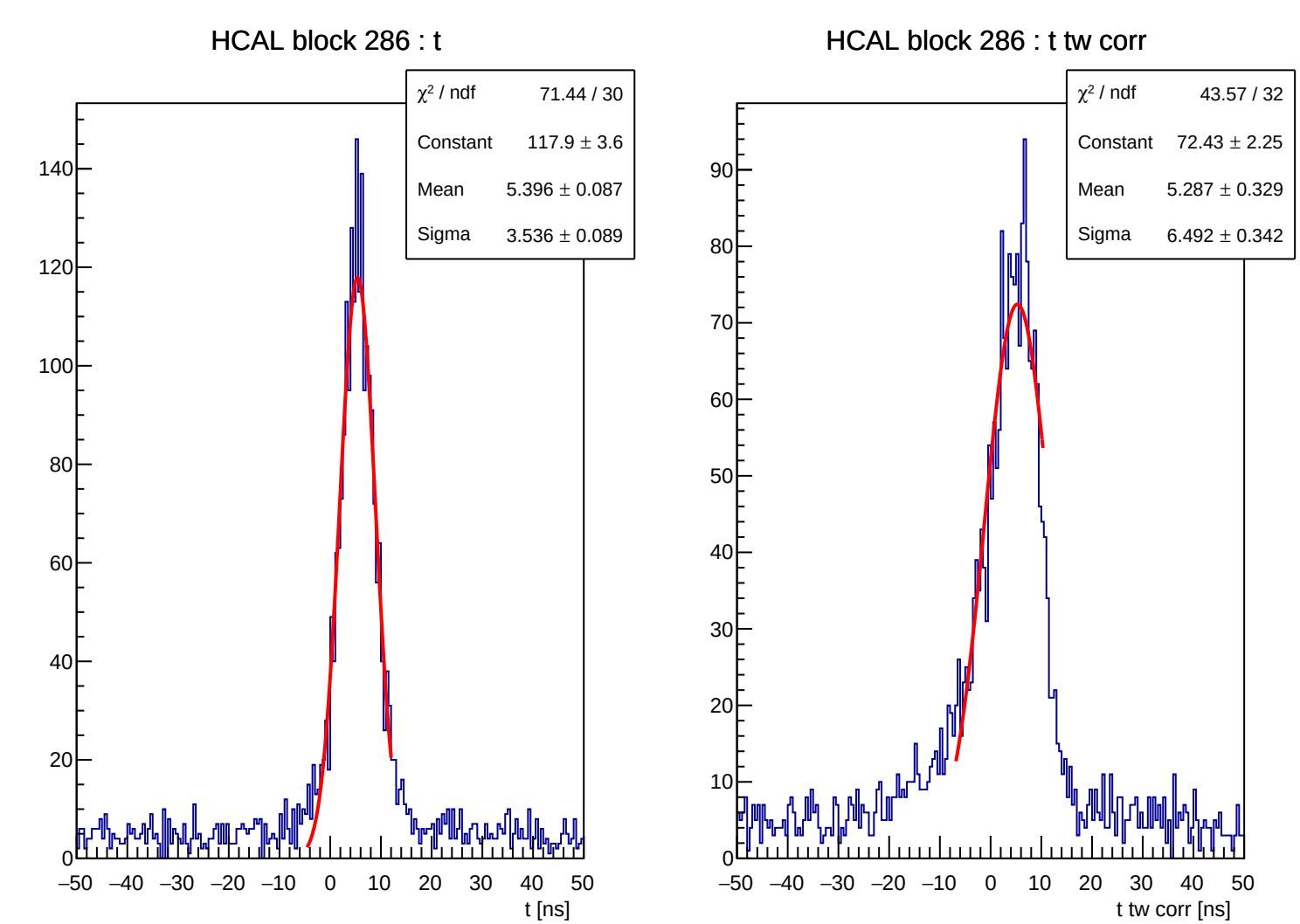

HCAL block 283 : t
χ² / ndf 74.61 / 34
Constant 107.3 ± 3.3
Mean 3.968 ± 0.085
Sigma 3.521 ± 0.080
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

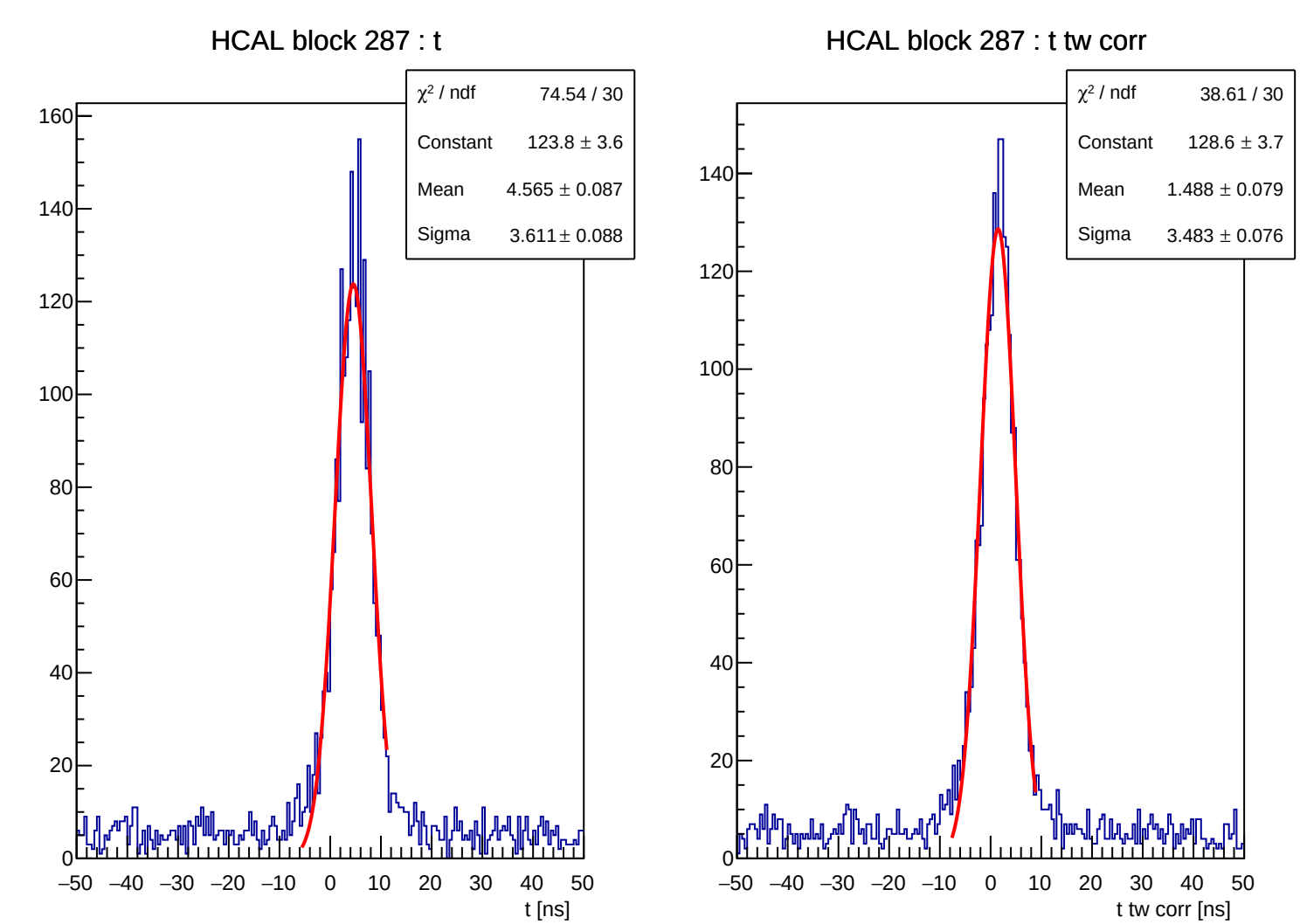

HCAL block 283 : t tw corr
χ² / ndf 80.72 / 34
Constant 71.15 ± 2.37
Mean 5.906 ± 0.233
Sigma 5.709 ± 0.252
90
80
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

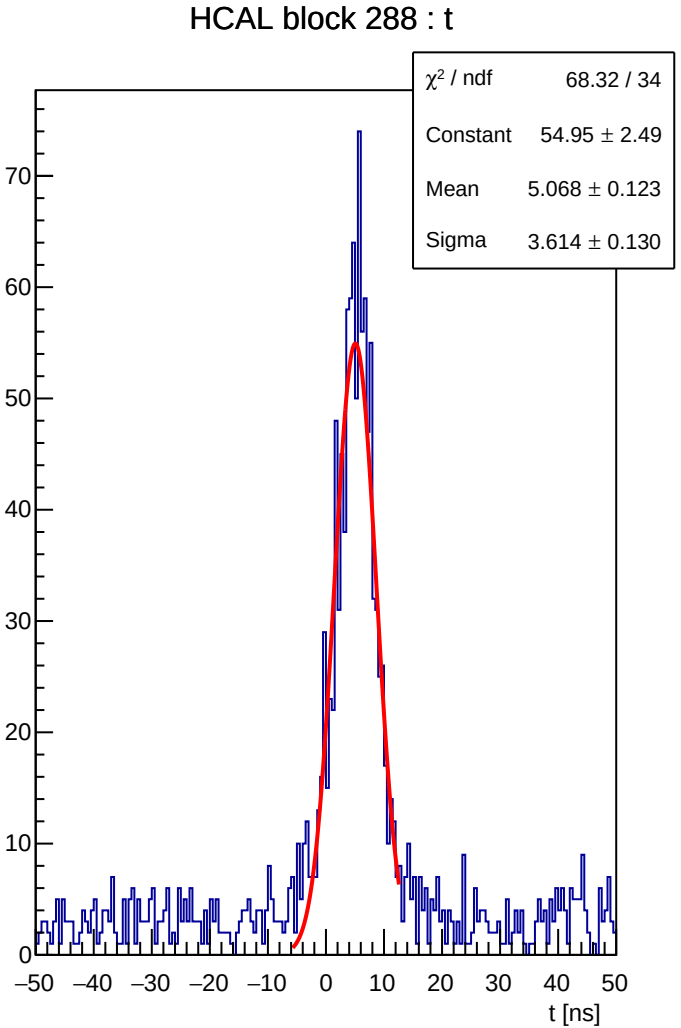

HCAL block 284 : t
χ² / ndf 119.5 / 39
Constant 100.7 ± 3.1
Mean 4.904 ± 0.102
Sigma 4.26 ± 0.11
140
120
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]

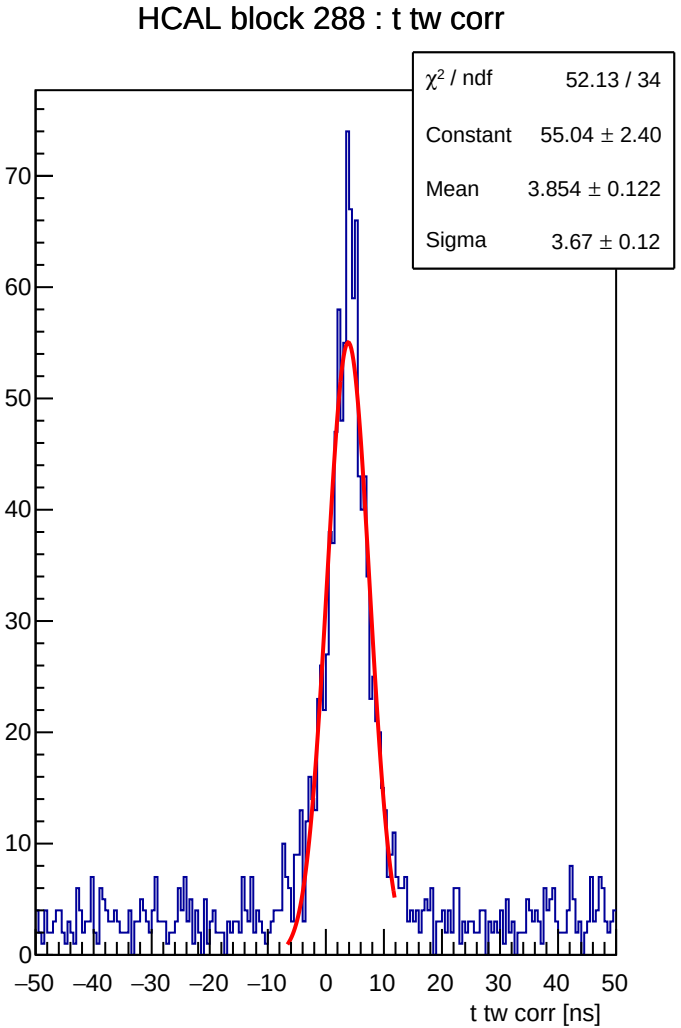

HCAL block 284 : t tw corr
χ² / ndf 55.37 / 39
Constant 76.72 ± 2.36
Mean –2.391 ± 0.142
Sigma 5.404 ± 0.150
100
80
60
40
20
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]

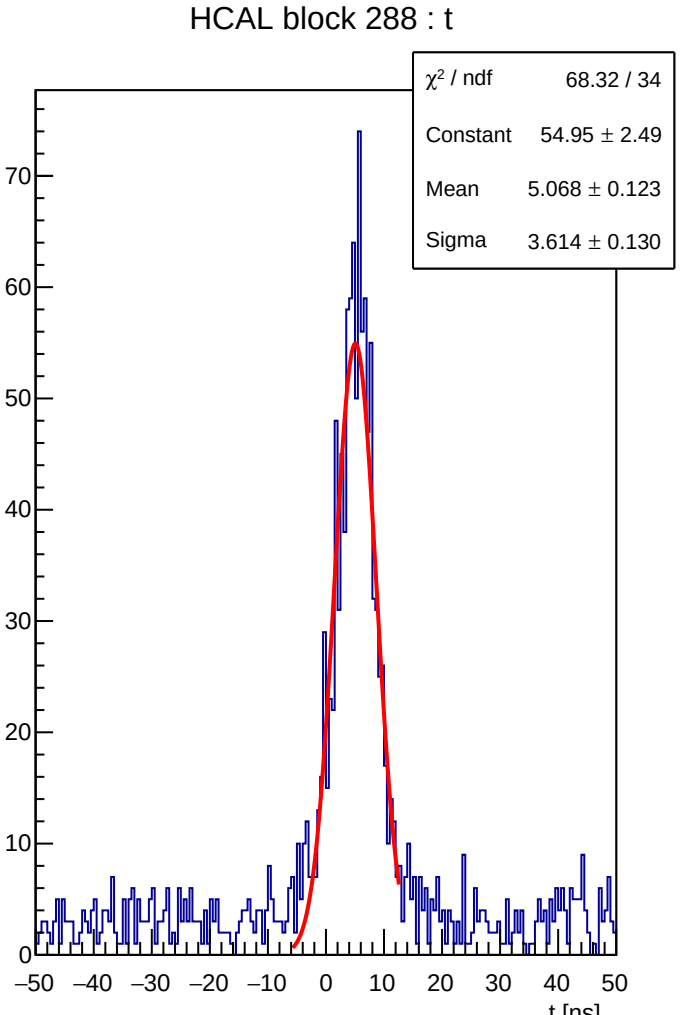

HCAL block 285 : t
χ² / ndf 88.68 / 30
Constant 132.8 ± 3.7
Mean 5.474 ± 0.085
Sigma 3.581 ± 0.083
t [ns]
HCAL block 285 : t tw corr
χ² / ndf 56.22 / 32
Constant 86.62 ± 2.52
Mean 3.933 ± 0.265
Sigma 5.944 ± 0.262
t tw corr [ns]

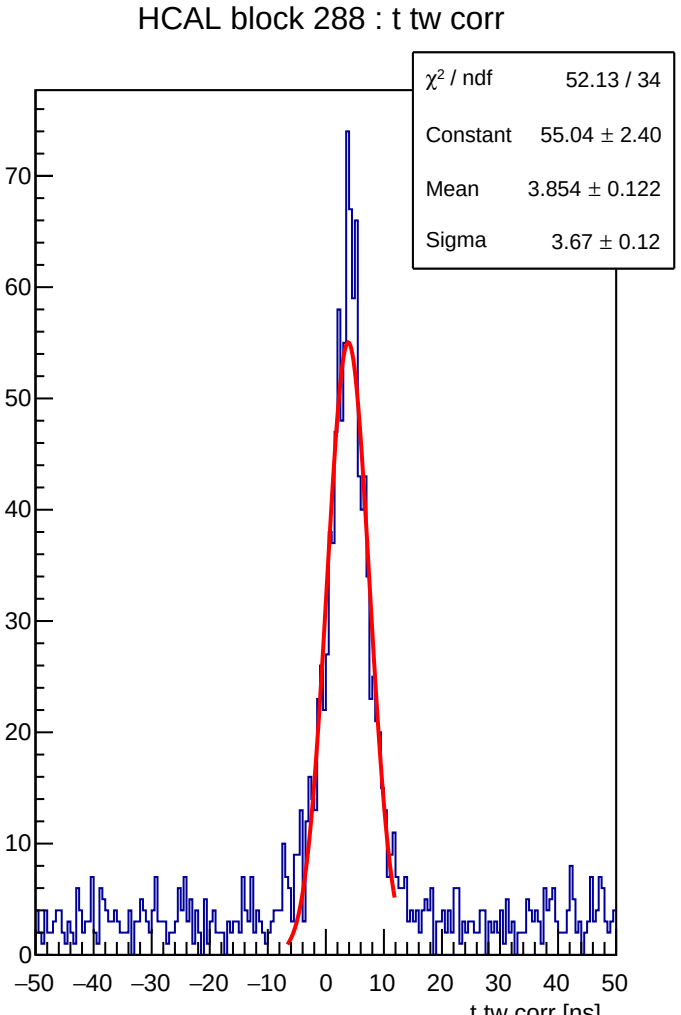

HCAL block 286 : t
χ² / ndf 71.44 / 30
Constant 117.9 ± 3.6
Mean 5.396 ± 0.087
Sigma 3.536 ± 0.089
t [ns]
HCAL block 286 : t tw corr
χ² / ndf 43.57 / 32
Constant 72.43 ± 2.25
Mean 5.287 ± 0.329
Sigma 6.492 ± 0.342
t tw corr [ns]


HCAL block 287 : t
χ² / ndf 74.54 / 30
Constant 123.8 ± 3.6
Mean 4.565 ± 0.087
Sigma 3.611 ± 0.088
t [ns]
HCAL block 287 : t tw corr
χ² / ndf 38.61 / 30
Constant 128.6 ± 3.7
Mean 1.488 ± 0.079
Sigma 3.483 ± 0.076
t tw corr [ns]


HCAL block 288 : t
χ² / ndf 68.32 / 34
Constant 54.95 ± 2.49
Mean 5.068 ± 0.123
Sigma 3.614 ± 0.130
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]


HCAL block 288 : t tw corr
χ² / ndf 52.13 / 34
Constant 55.04 ± 2.40
Mean 3.854 ± 0.122
Sigma 3.67 ± 0.12
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]


HCAL block 288 : t
χ² / ndf 68.32 / 34
Constant 54.95 ± 2.49
Mean 5.068 ± 0.123
Sigma 3.614 ± 0.130
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t [ns]


HCAL block 288 : t tw corr
χ² / ndf 52.13 / 34
Constant 55.04 ± 2.40
Mean 3.854 ± 0.122
Sigma 3.67 ± 0.12
70
60
50
40
30
20
10
0
–50 –40 –30 –20 –10 0 10 20 30 40 50
t tw corr [ns]