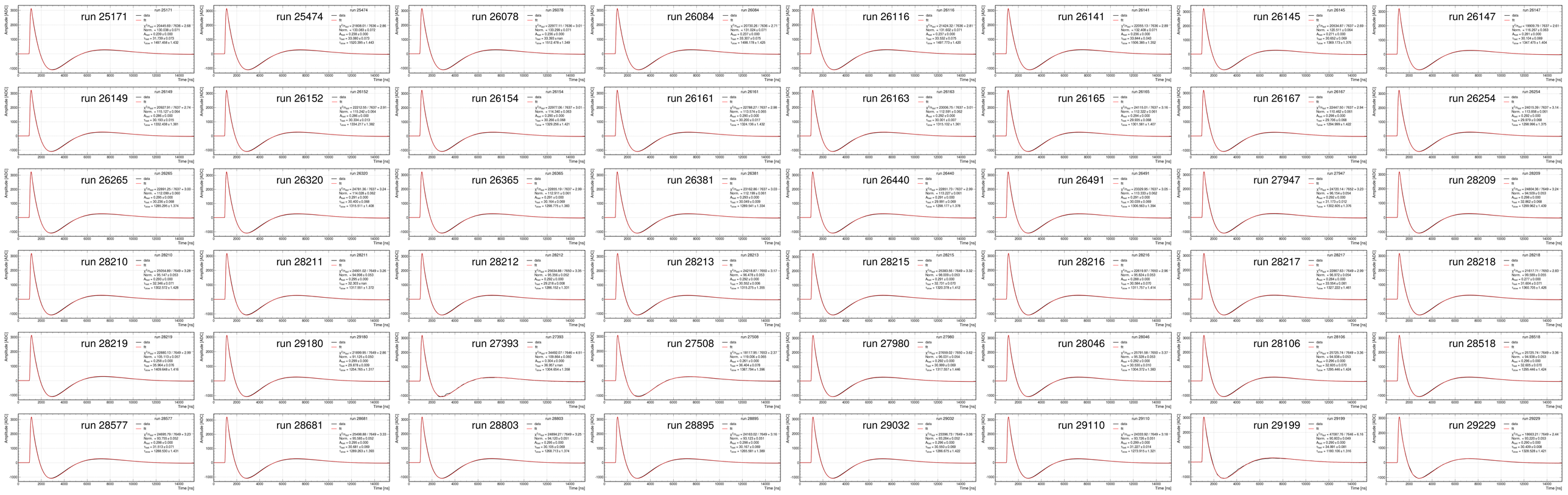
run 25171
run 25171
data
fit
χ²/ndof = 20445.69 / 7636 = 2.68
Norm. = 130.038 ± 0.071
A_fast = 0.239 ± 0.000
τ_fast = 91.799 ± 0.073
τ_slow = 1497.458 ± 1.432
run 25474
run 25474
χ²/ndof = 21808.01 / 7636 = 2.86
Norm. = 120.083 ± 0.072
A_fast = 0.239 ± 0.000
τ_fast = 93.093 ± 0.073
τ_slow = 1520.395 ± 1.443
run 26078
run 26078
χ²/ndof = 20730.26 / 7636 = 2.71
Norm. = 131.024 ± 0.071
A_fast = 0.237 ± 0.000
τ_fast = 90.307 ± 0.075
τ_slow = 1498.178 ± 1.425
run 26084
run 26084
χ²/ndof = 22977.11 / 7636 = 3.01
Norm. = 123.299 ± 0.071
A_fast = 0.236 ± 0.000
τ_fast = 93.393 ± nan
τ_slow = 1512.478 ± 1.349
run 26116
run 26116
χ²/ndof = 21424.52 / 7636 = 2.81
Norm. = 131.602 ± 0.071
A_fast = 0.237 ± 0.000
τ_fast = 93.530 ± 0.075
τ_slow = 1497.773 ± 1.420
run 26141
run 26141
χ²/ndof = 22055.13 / 7636 = 2.89
Norm. = 132.408 ± 0.071
A_fast = 0.236 ± 0.000
τ_fast = 93.844 ± 0.043
τ_slow = 1506.385 ± 1.352
run 26145
run 26145
χ²/ndof = 20534.81 / 7637 = 2.69
Norm. = 120.511 ± 0.064
A_fast = 0.237 ± 0.000
τ_fast = 90.652 ± 0.068
τ_slow = 1369.173 ± 1.375
run 26147
run 26147
χ²/ndof = 19909.79 / 7637 = 2.61
Norm. = 116.267 ± 0.063
A_fast = 0.281 ± 0.000
τ_fast = 90.154 ± 0.066
τ_slow = 1347.475 ± 1.404
run 26149
run 26149
χ²/ndof = 20927.91 / 7637 = 2.74
Norm. = 115.127 ± 0.064
A_fast = 0.286 ± 0.000
τ_fast = 90.193 ± 0.015
τ_slow = 1332.438 ± 1.381
run 26152
run 26152
χ²/ndof = 22212.55 / 7637 = 2.91
Norm. = 115.242 ± 0.064
A_fast = 0.286 ± 0.000
τ_fast = 90.334 ± 0.013
τ_slow = 1334.217 ± 1.382
run 26154
run 26154
χ²/ndof = 22977.06 / 7637 = 3.01
Norm. = 114.340 ± 0.063
A_fast = 0.290 ± 0.000
τ_fast = 90.266 ± 0.068
τ_slow = 1329.256 ± 1.421
run 26161
run 26161
χ²/ndof = 22788.27 / 7637 = 2.98
Norm. = 113.574 ± 0.065
A_fast = 0.290 ± 0.000
τ_fast = 90.200 ± 0.017
τ_slow = 1324.136 ± 1.432
run 26163
run 26163
χ²/ndof = 23006.75 / 7637 = 3.01
Norm. = 112.591 ± 0.062
A_fast = 0.292 ± 0.000
τ_fast = 90.001 ± 0.000
τ_slow = 1315.102 ± 1.361
run 26165
run 26165
χ²/ndof = 24115.01 / 7637 = 3.16
Norm. = 112.332 ± 0.061
A_fast = 0.294 ± 0.000
τ_fast = 29.935 ± 0.068
τ_slow = 1301.581 ± 1.407
run 26167
run 26167
χ²/ndof = 22447.50 / 7637 = 2.94
Norm. = 110.462 ± 0.061
A_fast = 0.298 ± 0.000
τ_fast = 29.706 ± 0.068
τ_slow = 1294.999 ± 1.422
run 26254
run 26254
χ²/ndof = 24015.39 / 7637 = 3.14
Norm. = 113.858 ± 0.061
A_fast = 0.292 ± 0.000
τ_fast = 29.979 ± 0.068
τ_slow = 1298.996 ± 1.375
run 26265
run 26265
χ²/ndof = 22891.25 / 7637 = 3.00
Norm. = 112.099 ± 0.060
A_fast = 0.295 ± 0.000
τ_fast = 30.236 ± 0.068
τ_slow = 1285.295 ± 1.374
run 26320
run 26320
χ²/ndof = 24781.36 / 7637 = 3.24
Norm. = 114.028 ± 0.062
A_fast = 0.291 ± 0.000
τ_fast = 30.400 ± 0.068
τ_slow = 1315.511 ± 1.408
run 26365
run 26365
χ²/ndof = 22855.19 / 7637 = 2.99
Norm. = 112.911 ± 0.061
A_fast = 0.291 ± 0.000
τ_fast = 30.164 ± 0.068
τ_slow = 1298.775 ± 1.383
run 26381
run 26381
χ²/ndof = 23162.86 / 7637 = 3.03
Norm. = 112.199 ± 0.061
A_fast = 0.293 ± 0.000
τ_fast = 30.049 ± 0.039
τ_slow = 1289.541 ± 1.334
run 26440
run 26440
χ²/ndof = 22851.73 / 7637 = 2.99
Norm. = 113.227 ± 0.061
A_fast = 0.291 ± 0.000
τ_fast = 29.991 ± 0.069
τ_slow = 1298.177 ± 1.378
run 26491
run 26491
χ²/ndof = 23329.95 / 7637 = 3.05
Norm. = 113.333 ± 0.062
A_fast = 0.291 ± 0.000
τ_fast = 30.039 ± 0.069
τ_slow = 1306.563 ± 1.394
run 27947
run 27947
χ²/ndof = 24720.14 / 7652 = 3.23
Norm. = 96.164 ± 0.054
A_fast = 0.292 ± 0.000
τ_fast = 31.173 ± 0.012
τ_slow = 1302.605 ± 1.376
run 28209
run 28209
χ²/ndof = 24804.36 / 7649 = 3.24
Norm. = 94.509 ± 0.053
A_fast = 0.298 ± 0.000
τ_fast = 32.862 ± 0.068
τ_slow = 1299.962 ± 1.439
run 28210
run 28210
χ²/ndof = 25054.89 / 7649 = 3.28
Norm. = 95.147 ± 0.053
A_fast = 0.293 ± 0.000
τ_fast = 32.346 ± 0.071
τ_slow = 1302.572 ± 1.428
run 28211
run 28211
χ²/ndof = 24901.02 / 7649 = 3.26
Norm. = 94.998 ± 0.053
A_fast = 0.295 ± 0.000
τ_fast = 32.303 ± nan
τ_slow = 1317.551 ± 1.372
run 28212
run 28212
χ²/ndof = 25634.88 / 7650 = 3.35
Norm. = 95.356 ± 0.052
A_fast = 0.292 ± 0.000
τ_fast = 29.218 ± 0.008
τ_slow = 1286.152 ± 1.331
run 28213
run 28213
χ²/ndof = 24218.87 / 7650 = 3.17
Norm. = 96.478 ± 0.053
A_fast = 0.291 ± 0.000
τ_fast = 30.552 ± 0.006
τ_slow = 1315.275 ± 1.355
run 28215
run 28215
χ²/ndof = 25383.56 / 7649 = 3.32
Norm. = 98.009 ± 0.053
A_fast = 0.291 ± 0.000
τ_fast = 32.731 ± 0.070
τ_slow = 1320.378 ± 1.412
run 28216
run 28216
χ²/ndof = 22619.97 / 7650 = 2.96
Norm. = 95.824 ± 0.053
A_fast = 0.288 ± 0.000
τ_fast = 30.584 ± 0.070
τ_slow = 1311.757 ± 1.414
run 28217
run 28217
χ²/ndof = 22867.63 / 7649 = 2.99
Norm. = 96.972 ± 0.054
A_fast = 0.294 ± 0.000
τ_fast = 33.554 ± 0.081
τ_slow = 1327.222 ± 1.461
run 28218
run 28218
χ²/ndof = 21617.71 / 7650 = 2.83
Norm. = 99.589 ± 0.055
A_fast = 0.277 ± 0.000
τ_fast = 31.604 ± 0.071
τ_slow = 1360.705 ± 1.426
run 28219
run 28219
χ²/ndof = 22880.13 / 7649 = 2.99
Norm. = 105.113 ± 0.057
A_fast = 0.258 ± 0.000
τ_fast = 35.964 ± 0.076
τ_slow = 1409.648 ± 1.416
run 29180
run 29180
χ²/ndof = 21899.95 / 7649 = 2.86
Norm. = 91.125 ± 0.050
A_fast = 0.299 ± 0.000
τ_fast = 29.879 ± 0.000
τ_slow = 1254.765 ± 1.317
run 27393
run 27393
χ²/ndof = 34492.07 / 7646 = 4.51
Norm. = 109.854 ± 0.060
A_fast = 0.304 ± 0.000
τ_fast = 36.967 ± nan
τ_slow = 1304.654 ± 1.358
run 27508
run 27508
χ²/ndof = 18117.95 / 7653 = 2.37
Norm. = 119.006 ± 0.065
A_fast = 0.261 ± 0.000
τ_fast = 36.404 ± 0.018
τ_slow = 1387.794 ± 1.396
run 27980
run 27980
χ²/ndof = 27659.02 / 7650 = 3.62
Norm. = 96.031 ± 0.054
A_fast = 0.292 ± 0.000
τ_fast = 30.999 ± 0.069
τ_slow = 1317.557 ± 1.446
run 28046
run 28046
χ²/ndof = 25791.58 / 7650 = 3.37
Norm. = 95.328 ± 0.053
A_fast = 0.292 ± 0.000
τ_fast = 30.530 ± 0.010
τ_slow = 1304.372 ± 1.383
run 28106
run 28106
χ²/ndof = 25725.74 / 7649 = 3.36
Norm. = 94.939 ± 0.053
A_fast = 0.296 ± 0.000
τ_fast = 32.605 ± 0.070
τ_slow = 1295.446 ± 1.424
run 28518
run 28518
χ²/ndof = 25725.74 / 7649 = 3.36
Norm. = 94.939 ± 0.053
A_fast = 0.296 ± 0.000
τ_fast = 32.605 ± 0.070
τ_slow = 1295.446 ± 1.424
run 28577
run 28577
χ²/ndof = 24695.79 / 7649 = 3.23
Norm. = 93.755 ± 0.052
A_fast = 0.298 ± 0.000
τ_fast = 31.513 ± 0.071
τ_slow = 1288.530 ± 1.431
run 28681
run 28681
χ²/ndof = 25498.88 / 7649 = 3.33
Norm. = 95.585 ± 0.052
A_fast = 0.295 ± 0.000
τ_fast = 30.681 ± 0.069
τ_slow = 1289.263 ± 1.393
run 28803
run 28803
χ²/ndof = 24894.27 / 7649 = 3.25
Norm. = 94.120 ± 0.051
A_fast = 0.295 ± 0.000
τ_fast = 30.105 ± 0.069
τ_slow = 1288.713 ± 1.374
run 28895
run 28895
χ²/ndof = 24163.02 / 7649 = 3.16
Norm. = 93.123 ± 0.051
A_fast = 0.298 ± 0.000
τ_fast = 30.167 ± 0.069
τ_slow = 1285.581 ± 1.389
run 29032
run 29032
χ²/ndof = 23396.73 / 7649 = 3.06
Norm. = 93.284 ± 0.052
A_fast = 0.296 ± 0.000
τ_fast = 30.550 ± 0.069
τ_slow = 1286.675 ± 1.422
run 29110
run 29110
χ²/ndof = 24333.92 / 7649 = 3.18
Norm. = 93.726 ± 0.051
A_fast = 0.299 ± 0.000
τ_fast = 31.227 ± 0.014
τ_slow = 1273.915 ± 1.321
run 29199
run 29199
χ²/ndof = 47087.76 / 7646 = 6.16
Norm. = 90.803 ± 0.049
A_fast = 0.290 ± 0.000
τ_fast = 34.991 ± 0.081
τ_slow = 1180.106 ± 1.316
run 29229
run 29229
χ²/ndof = 18663.21 / 7649 = 2.44
Norm. = 93.220 ± 0.053
A_fast = 0.290 ± 0.000
τ_fast = 30.439 ± 0.008
τ_slow = 1328.528 ± 1.421
Amplitude [ADC]
Time [ns]