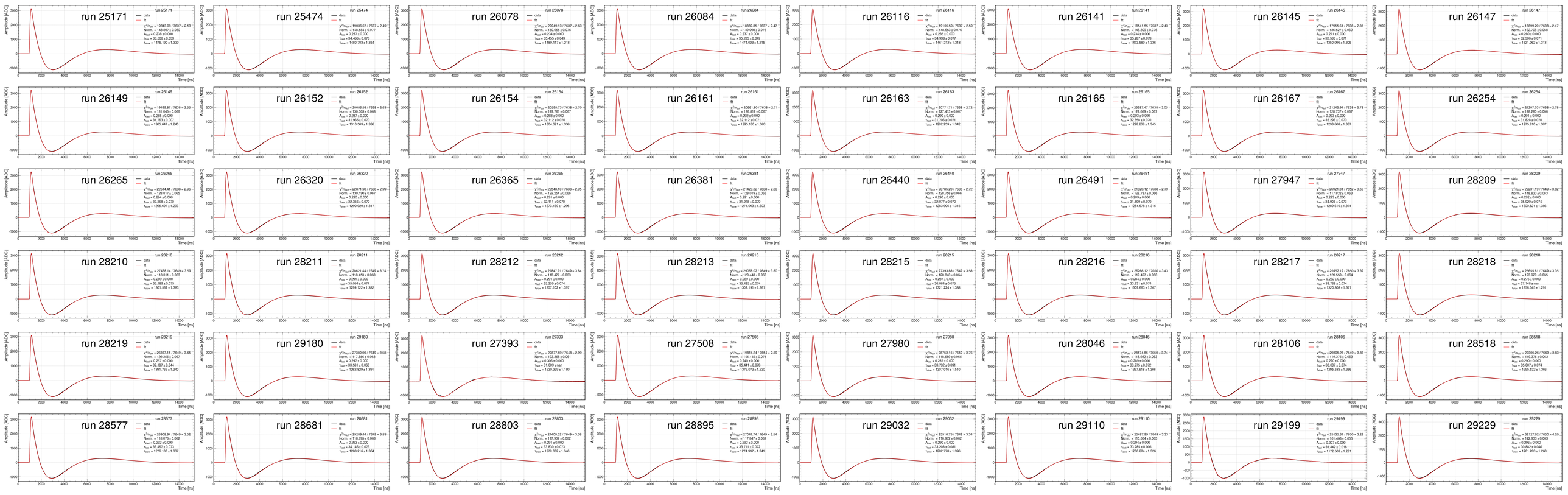
run 25171
run 25171
data
fit
χ²/n_dof = 19343.08 / 7637 = 2.53
Norm. = 148.897 ± 0.080
A_dur = 0.238 ± 0.000
t_fall = 33.608 ± 0.033
t_rise = 1475.190 ± 1.330
run 25474
run 25474
χ²/n_dof = 19036.67 / 7637 = 2.49
Norm. = 148.584 ± 0.077
A_dur = 0.237 ± 0.000
t_fall = 34.466 ± 0.036
t_rise = 1480.703 ± 1.354
run 26078
run 26078
χ²/n_dof = 20049.13 / 7637 = 2.63
Norm. = 150.955 ± 0.076
A_dur = 0.234 ± 0.000
t_fall = 35.485 ± 0.049
t_rise = 1469.117 ± 1.218
run 26084
run 26084
χ²/n_dof = 18882.35 / 7637 = 2.47
Norm. = 149.098 ± 0.075
A_dur = 0.237 ± 0.000
t_fall = 35.286 ± 0.049
t_rise = 1474.623 ± 1.215
run 26116
run 26116
χ²/n_dof = 19105.50 / 7637 = 2.50
Norm. = 148.653 ± 0.076
A_dur = 0.235 ± 0.000
t_fall = 34.508 ± 0.077
t_rise = 1461.312 ± 1.318
run 26141
run 26141
χ²/n_dof = 18541.55 / 7637 = 2.43
Norm. = 148.809 ± 0.076
A_dur = 0.234 ± 0.000
t_fall = 35.287 ± 0.078
t_rise = 1473.580 ± 1.336
run 26145
run 26145
χ²/n_dof = 17995.61 / 7638 = 2.35
Norm. = 136.527 ± 0.069
A_dur = 0.271 ± 0.000
t_fall = 32.536 ± 0.073
t_rise = 1350.086 ± 1.305
run 26147
run 26147
χ²/n_dof = 19899.20 / 7638 = 2.47
Norm. = 132.708 ± 0.068
A_dur = 0.280 ± 0.000
t_fall = 32.356 ± 0.071
t_rise = 1321.062 ± 1.313
run 26149
run 26149
χ²/n_dof = 19499.87 / 7638 = 2.55
Norm. = 131.045 ± 0.066
A_dur = 0.285 ± 0.000
t_fall = 31.783 ± 0.007
t_rise = 1305.647 ± 1.240
run 26152
run 26152
χ²/n_dof = 20056.58 / 7638 = 2.63
Norm. = 130.303 ± 0.068
A_dur = 0.287 ± 0.000
t_fall = 31.965 ± 0.070
t_rise = 1310.583 ± 1.336
run 26154
run 26154
χ²/n_dof = 20995.73 / 7638 = 2.70
Norm. = 129.761 ± 0.067
A_dur = 0.288 ± 0.000
t_fall = 32.112 ± 0.070
t_rise = 1304.321 ± 1.336
run 26161
run 26161
χ²/n_dof = 20661.80 / 7638 = 2.71
Norm. = 126.812 ± 0.067
A_dur = 0.292 ± 0.000
t_fall = 32.112 ± 0.071
t_rise = 1295.130 ± 1.363
run 26163
run 26163
χ²/n_dof = 20771.71 / 7638 = 2.72
Norm. = 127.413 ± 0.067
A_dur = 0.290 ± 0.000
t_fall = 31.706 ± 0.071
t_rise = 1292.259 ± 1.342
run 26165
run 26165
χ²/n_dof = 23287.47 / 7638 = 3.05
Norm. = 129.669 ± 0.067
A_dur = 0.293 ± 0.000
t_fall = 32.658 ± 0.070
t_rise = 1298.238 ± 1.345
run 26167
run 26167
χ²/n_dof = 21242.94 / 7638 = 2.78
Norm. = 128.737 ± 0.067
A_dur = 0.293 ± 0.000
t_fall = 32.293 ± 0.070
t_rise = 1293.608 ± 1.337
run 26254
run 26254
χ²/n_dof = 21207.03 / 7638 = 2.78
Norm. = 128.280 ± 0.066
A_dur = 0.291 ± 0.000
t_fall = 31.828 ± 0.070
t_rise = 1275.819 ± 1.307
run 26265
run 26265
χ²/n_dof = 22614.41 / 7638 = 2.96
Norm. = 128.817 ± 0.065
A_dur = 0.294 ± 0.000
t_fall = 32.369 ± 0.070
t_rise = 1265.697 ± 1.293
run 26320
run 26320
χ²/n_dof = 22871.98 / 7638 = 2.99
Norm. = 130.190 ± 0.067
A_dur = 0.290 ± 0.000
t_fall = 32.354 ± 0.070
t_rise = 1290.929 ± 1.317
run 26365
run 26365
χ²/n_dof = 22548.10 / 7638 = 2.95
Norm. = 129.254 ± 0.066
A_dur = 0.291 ± 0.000
t_fall = 32.111 ± 0.070
t_rise = 1273.139 ± 1.296
run 26381
run 26381
χ²/n_dof = 21420.82 / 7638 = 2.80
Norm. = 128.019 ± 0.066
A_dur = 0.291 ± 0.000
t_fall = 31.978 ± 0.070
t_rise = 1271.003 ± 1.303
run 26440
run 26440
χ²/n_dof = 20785.20 / 7638 = 2.72
Norm. = 128.798 ± 0.066
A_dur = 0.290 ± 0.000
t_fall = 32.077 ± 0.070
t_rise = 1283.905 ± 1.315
run 26491
run 26491
χ²/n_dof = 21328.12 / 7638 = 2.79
Norm. = 128.787 ± 0.066
A_dur = 0.289 ± 0.000
t_fall = 31.899 ± 0.070
t_rise = 1284.678 ± 1.315
run 27947
run 27947
χ²/n_dof = 26921.31 / 7652 = 3.52
Norm. = 117.832 ± 0.063
A_dur = 0.293 ± 0.000
t_fall = 34.906 ± 0.072
t_rise = 1289.610 ± 1.374
run 28209
run 28209
χ²/n_dof = 29231.19 / 7649 = 3.82
Norm. = 118.830 ± 0.063
A_dur = 0.292 ± 0.000
t_fall = 35.929 ± 0.074
t_rise = 1300.621 ± 1.386
run 28210
run 28210
χ²/n_dof = 27468.14 / 7649 = 3.59
Norm. = 118.311 ± 0.063
A_dur = 0.289 ± 0.000
t_fall = 35.189 ± 0.075
t_rise = 1301.962 ± 1.383
run 28211
run 28211
χ²/n_dof = 28621.44 / 7649 = 3.74
Norm. = 118.453 ± 0.063
A_dur = 0.291 ± 0.000
t_fall = 35.054 ± 0.074
t_rise = 1299.122 ± 1.382
run 28212
run 28212
χ²/n_dof = 27847.91 / 7649 = 3.64
Norm. = 118.427 ± 0.063
A_dur = 0.291 ± 0.000
t_fall = 35.259 ± 0.074
t_rise = 1307.102 ± 1.397
run 28213
run 28213
χ²/n_dof = 29068.02 / 7649 = 3.80
Norm. = 120.443 ± 0.063
A_dur = 0.289 ± 0.000
t_fall = 35.425 ± 0.074
t_rise = 1302.191 ± 1.361
run 28215
run 28215
χ²/n_dof = 27393.88 / 7649 = 3.58
Norm. = 120.843 ± 0.064
A_dur = 0.287 ± 0.000
t_fall = 36.084 ± 0.075
t_rise = 1321.224 ± 1.388
run 28216
run 28216
χ²/n_dof = 26266.12 / 7650 = 3.43
Norm. = 119.427 ± 0.063
A_dur = 0.284 ± 0.000
t_fall = 33.631 ± 0.074
t_rise = 1309.663 ± 1.367
run 28217
run 28217
χ²/n_dof = 25952.12 / 7650 = 3.39
Norm. = 120.550 ± 0.064
A_dur = 0.282 ± 0.000
t_fall = 33.768 ± 0.074
t_rise = 1320.808 ± 1.371
run 28218
run 28218
χ²/n_dof = 25655.61 / 7649 = 3.35
Norm. = 123.920 ± 0.065
A_dur = 0.275 ± 0.000
t_fall = 37.148 ± nan
t_rise = 1356.365 ± 1.291
run 28219
run 28219
χ²/n_dof = 26367.15 / 7649 = 3.45
Norm. = 129.355 ± 0.067
A_dur = 0.257 ± 0.000
t_fall = 39.187 ± 0.044
t_rise = 1391.769 ± 1.240
run 29180
run 29180
χ²/n_dof = 27380.00 / 7649 = 3.58
Norm. = 117.656 ± 0.063
A_dur = 0.297 ± 0.000
t_fall = 33.531 ± 0.068
t_rise = 1262.829 ± 1.391
run 27393
run 27393
χ²/n_dof = 22877.69 / 7648 = 2.99
Norm. = 123.358 ± 0.061
A_dur = 0.306 ± 0.000
t_fall = 31.009 ± nan
t_rise = 1230.339 ± 1.180
run 27508
run 27508
χ²/n_dof = 19814.24 / 7654 = 2.59
Norm. = 144.145 ± 0.071
A_dur = 0.240 ± 0.000
t_fall = 35.441 ± 0.078
t_rise = 1379.012 ± 1.230
run 27980
run 27980
χ²/n_dof = 28753.15 / 7650 = 3.76
Norm. = 118.569 ± 0.065
A_dur = 0.287 ± 0.000
t_fall = 33.732 ± 0.091
t_rise = 1307.016 ± 1.510
run 28046
run 28046
χ²/n_dof = 28574.86 / 7650 = 3.74
Norm. = 118.932 ± 0.063
A_dur = 0.289 ± 0.000
t_fall = 33.275 ± 0.072
t_rise = 1297.618 ± 1.366
run 28106
run 28106
χ²/n_dof = 29305.26 / 7649 = 3.83
Norm. = 119.375 ± 0.063
A_dur = 0.290 ± 0.000
t_fall = 35.007 ± 0.074
t_rise = 1295.532 ± 1.366
run 28518
run 28518
χ²/n_dof = 29305.26 / 7649 = 3.83
Norm. = 119.375 ± 0.063
A_dur = 0.290 ± 0.000
t_fall = 35.007 ± 0.074
t_rise = 1295.532 ± 1.366
run 28577
run 28577
χ²/n_dof = 26908.94 / 7649 = 3.52
Norm. = 118.076 ± 0.062
A_dur = 0.292 ± 0.000
t_fall = 33.467 ± 0.073
t_rise = 1276.100 ± 1.337
run 28681
run 28681
χ²/n_dof = 29289.44 / 7649 = 3.83
Norm. = 118.785 ± 0.063
A_dur = 0.293 ± 0.000
t_fall = 34.146 ± 0.073
t_rise = 1288.216 ± 1.364
run 28803
run 28803
χ²/n_dof = 27400.52 / 7649 = 3.58
Norm. = 117.932 ± 0.062
A_dur = 0.291 ± 0.000
t_fall = 33.833 ± 0.073
t_rise = 1279.082 ± 1.346
run 28895
run 28895
χ²/n_dof = 27041.74 / 7649 = 3.54
Norm. = 117.847 ± 0.062
A_dur = 0.293 ± 0.000
t_fall = 33.711 ± 0.072
t_rise = 1274.997 ± 1.341
run 29032
run 29032
χ²/n_dof = 25516.75 / 7649 = 3.34
Norm. = 116.972 ± 0.062
A_dur = 0.290 ± 0.000
t_fall = 33.203 ± 0.081
t_rise = 1282.719 ± 1.396
run 29110
run 29110
χ²/n_dof = 25487.99 / 7649 = 3.33
Norm. = 115.664 ± 0.063
A_dur = 0.294 ± 0.000
t_fall = 33.285 ± 0.005
t_rise = 1266.284 ± 1.326
run 29199
run 29199
χ²/n_dof = 25135.61 / 7650 = 3.29
Norm. = 101.406 ± 0.055
A_dur = 0.307 ± 0.000
t_fall = 31.442 ± 0.016
t_rise = 1172.503 ± 1.281
run 29229
run 29229
χ²/n_dof = 32127.92 / 7650 = 4.20
Norm. = 122.933 ± 0.063
A_dur = 0.296 ± 0.000
t_fall = 30.882 ± 0.046
t_rise = 1261.353 ± 1.260
Amplitude [ADC]
Time [ns]