Fgd1Fwd_ToF_FGD1_FGD2

χ^2 / ndf	1851 / 71
p0	2609 ± 25.1
p1	-5.41 ± 0.01
p2	1.773 ± 0.013
p3	63.68 ± 3.22
p4	5.679 ± 0.120
p5	2.885 ± 0.132

χ^2 / ndf	2.844e+04 / 74
p0	2046 ± 5.8
p1	-5.529 ± 0.004
p2	1.504 ± 0.003
p3	60.17 ± 0.97
p4	6.365 ± 0.022
p5	-2.284 ± 0.031

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF FGD1-FGD2 (x-axis)

Fgd1Fwd_ToF_ECal_FGD1_track
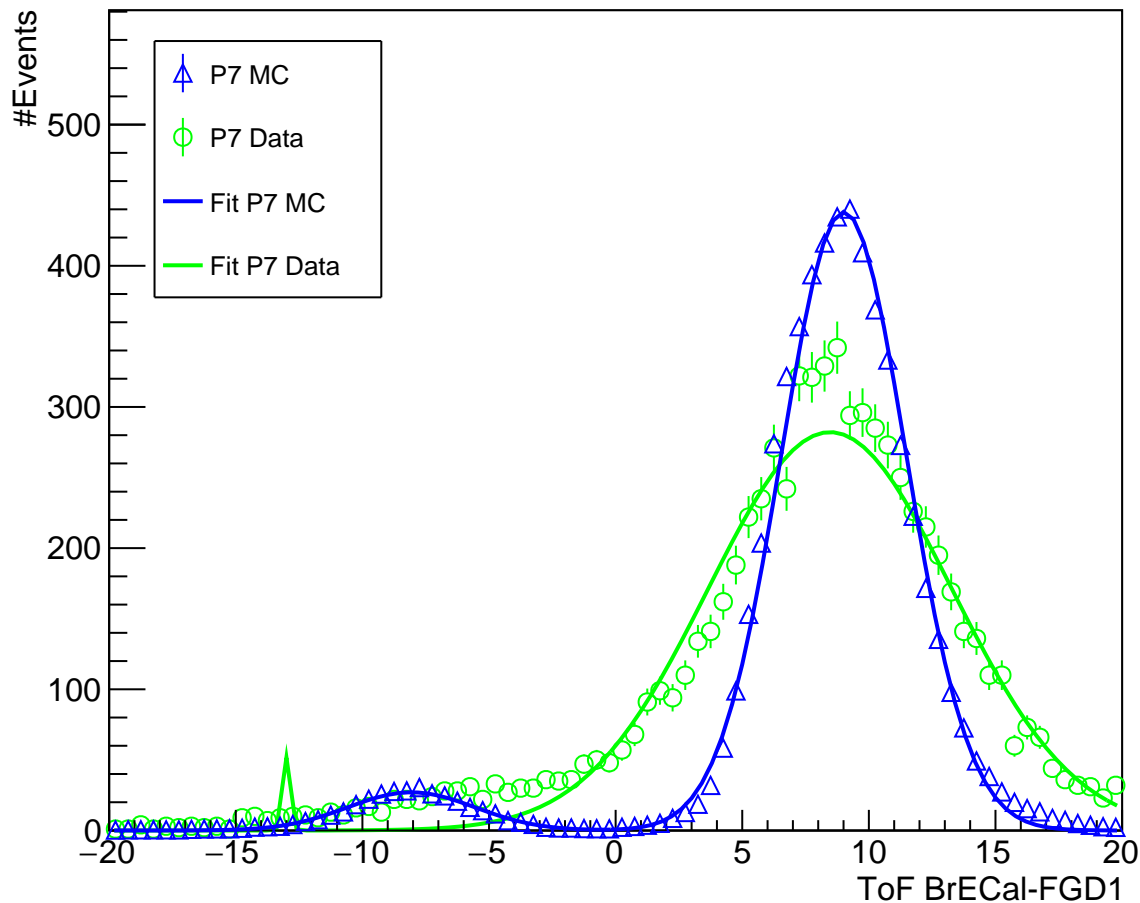
χ^2 / ndf	480.9 / 74
p0	51.65 ± 1.10
p1	−13 ± 0.0
p2	−0.1358 ± 0.0093
p3	282.2 ± 4.9
p4	8.466 ± 0.062
p5	4.812 ± 0.064

χ^2 / ndf	1559 / 74
p0	27.03 ± 0.48
p1	−8.066 ± 0.034
p2	2.513 ± 0.030
p3	438.2 ± 1.8
p4	9.01 ± 0.01
p5	2.473 ± 0.006

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

#Events

ToF BrECal-FGD1

Fgd1Fwd_ToF_ECal_FGD1_shower
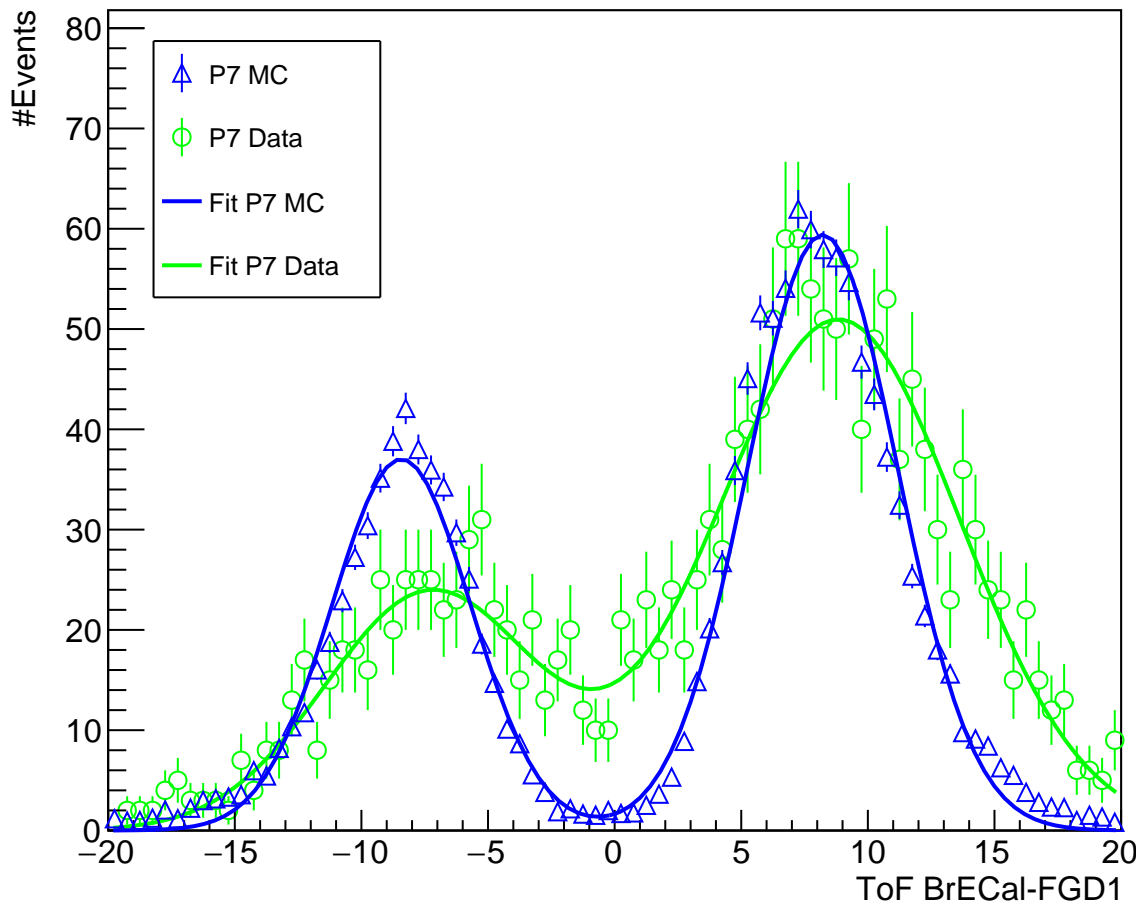
χ^2 / ndf	65.45 / 73
p0	23.81 ± 1.49
p1	-7.258 ± 0.280
p2	4.186 ± 0.259
p3	50.96 ± 1.97
p4	8.837 ± 0.179
p5	4.811 ± 0.173

χ^2 / ndf	760.3 / 74
p0	37.03 ± 0.53
p1	-8.423 ± 0.031
p2	2.739 ± 0.027
p3	59.41 ± 0.63
p4	8.212 ± 0.026
p5	2.976 ± 0.021

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF BrECal-FGD1 (x-axis)

Fgd1Fwd_ToF_DSECal_FGD1_track
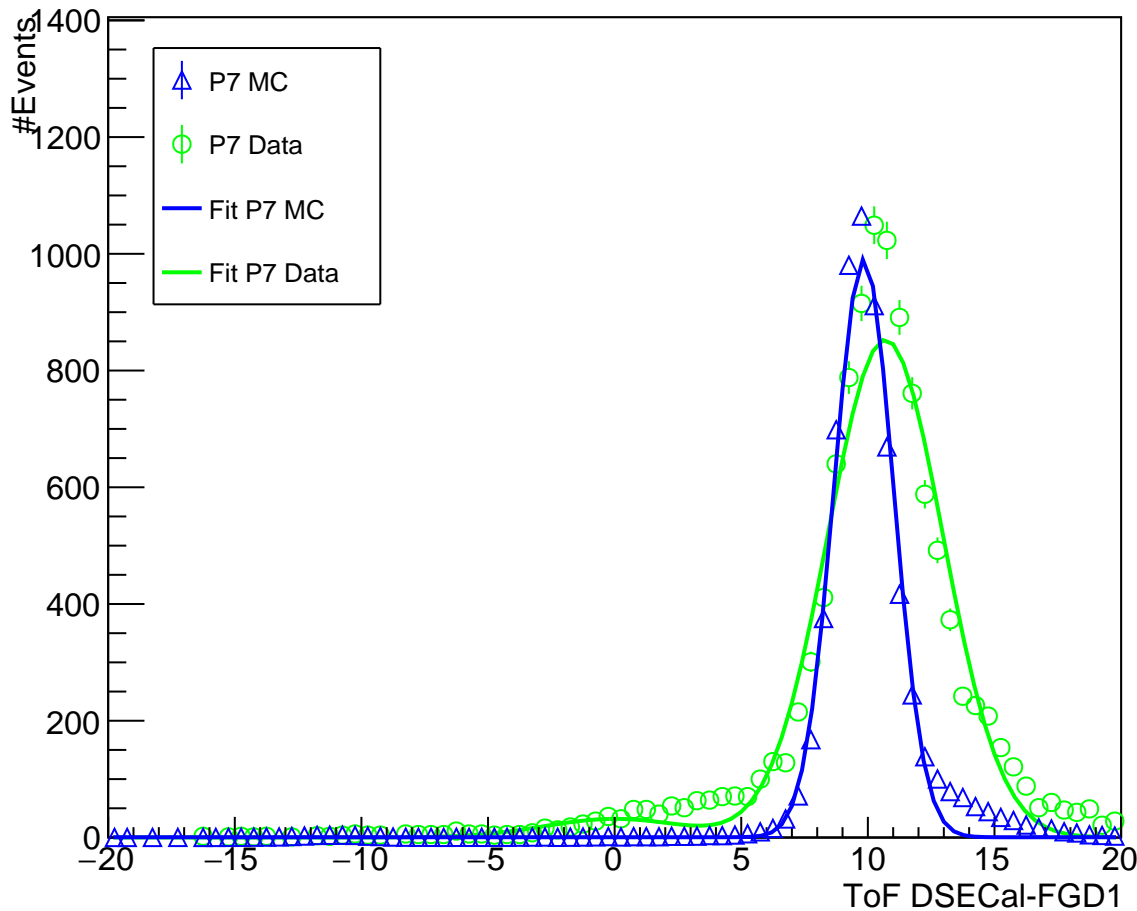
χ^2 / ndf	801.6 / 63
p0	31.91 ± 2.39
p1	−1.49e−10 ± 8.66e−03
p2	2.775 ± 0.193
p3	852.9 ± 13.3
p4	10.69 ± 0.02
p5	2.278 ± 0.028

χ^2 / ndf	8225 / 71
p0	0.4064 ± 0.0194
p1	−5.141e−08 ± 1.334e+01
p2	562.9 ± 1.4
p3	990.2 ± 1.3
p4	9.838 ± 0.004
p5	1.175 ± 0.003

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axes: #Events (y-axis), ToF DSECal-FGD1 (x-axis)

Fgd1Fwd_ToF_DSECal_FGD1_shower
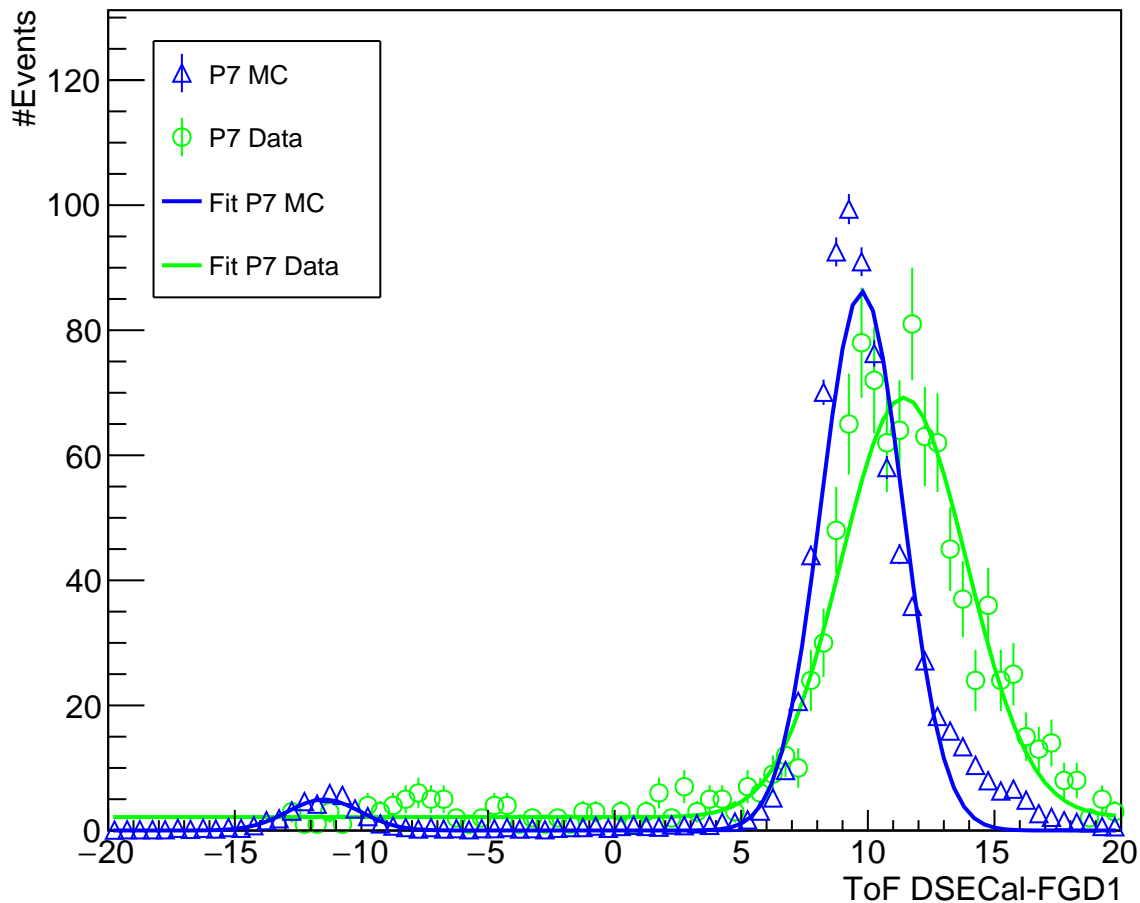
χ^2 / ndf	81.54 / 58
p0	2.139 ± 0.250
p1	−1.143 ± 10.065
p2	2.108e+04 ± 7.674e+06
p3	67.08 ± 3.24
p4	11.42 ± 0.10
p5	2.494 ± 0.094

χ^2 / ndf	1565 / 74
p0	4.958 ± 0.282
p1	−11.48 ± 0.06
p2	1.439 ± 0.058
p3	86.2 ± 1.2
p4	9.765 ± 0.018
p5	1.613 ± 0.016

Legend:
- △ P7 MC
- ○ P7 Data
- — Fit P7 MC
- — Fit P7 Data

Y-axis: #Events

X-axis: ToF DSECal-FGD1

Fgd1Bwd_ToF_P0D_FGD1_track
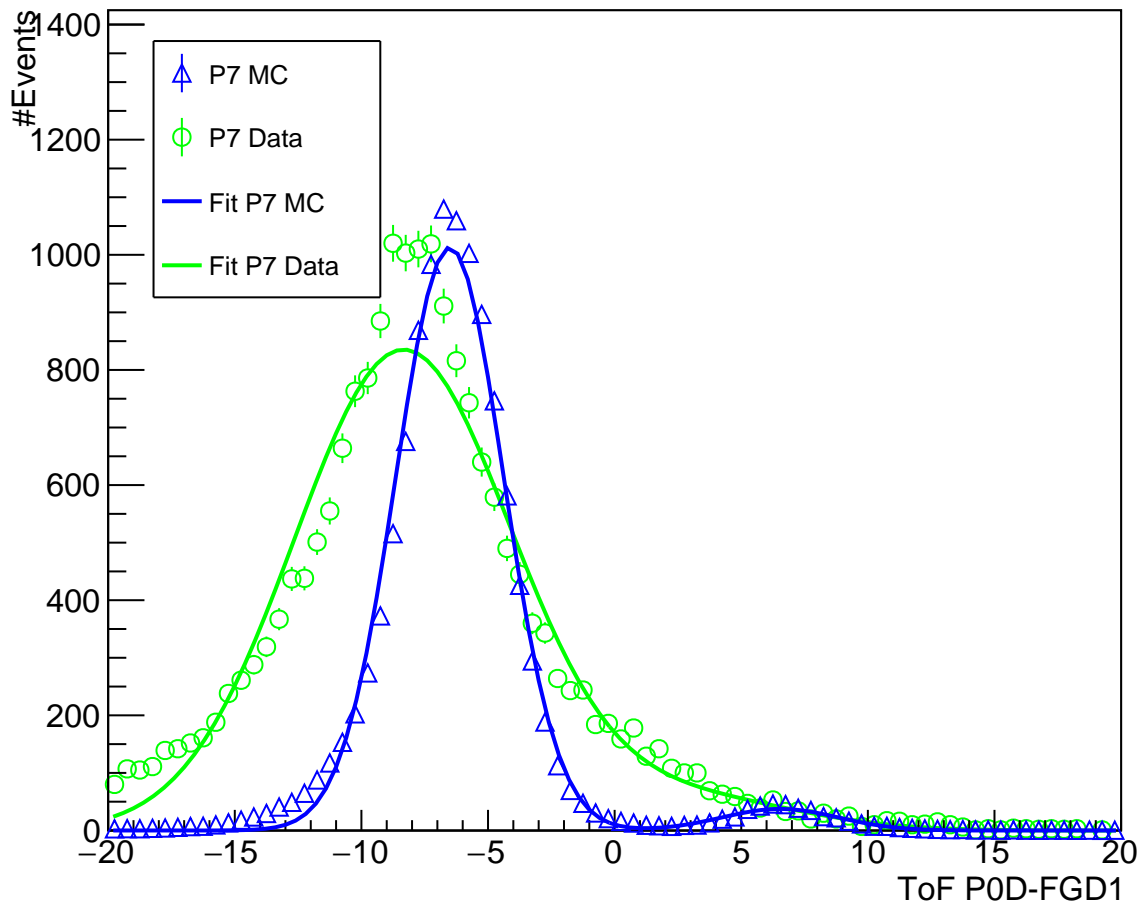
χ^2 / ndf	635.2 / 72
p0	833.5 ± 9.4
p1	−8.357 ± 0.050
p2	4.293 ± 0.050
p3	55.55 ± 4.27
p4	2.867 ± 0.527
p5	4.34 ± 0.34

χ^2 / ndf	5528 / 74
p0	1013 ± 3.1
p1	−6.511 ± 0.005
p2	2.131 ± 0.004
p3	37.46 ± 0.68
p4	6.534 ± 0.028
p5	−2.288 ± 0.033

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Y-axis: #Events

X-axis: ToF P0D-FGD1

Fgd1Bwd_ToF_P0D_FGD1_shower
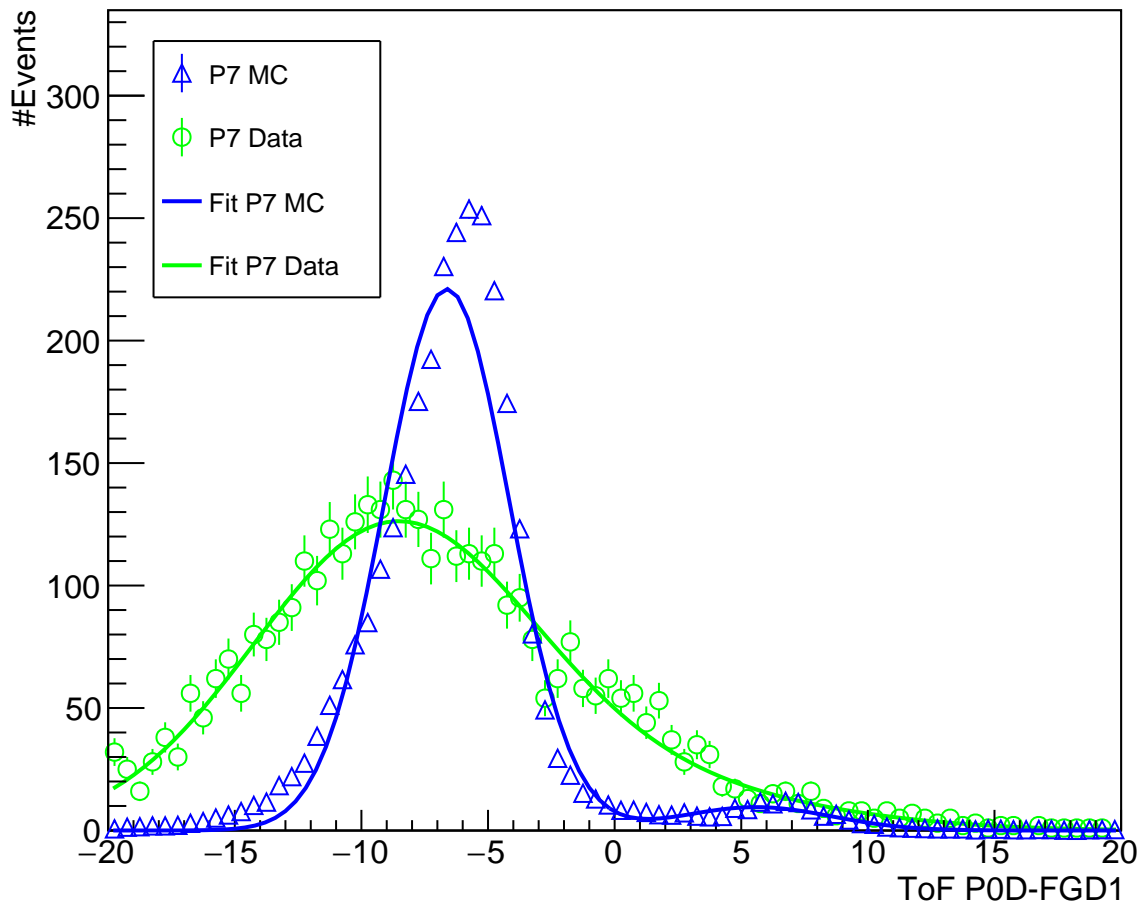
χ^2 / ndf	80.01 / 72
p0	118 ± 2.9
p1	−8.901 ± 0.214
p2	5.518 ± 0.181
p3	17.69 ± 3.39
p4	6.676e−07 ± 2.943e+00
p5	7.101 ± 0.567

χ^2 / ndf	3079 / 74
p0	221.1 ± 1.5
p1	−6.623 ± 0.013
p2	2.471 ± 0.012
p3	9.537 ± 0.262
p4	5.581 ± 0.086
p5	2.981 ± 0.074

Legend:
- △ P7 MC
- ○ P7 Data
- — Fit P7 MC
- — Fit P7 Data

Axes: #Events (vertical), ToF P0D-FGD1 (horizontal)

Fgd1Bwd_ToF_ECal_FGD1_track
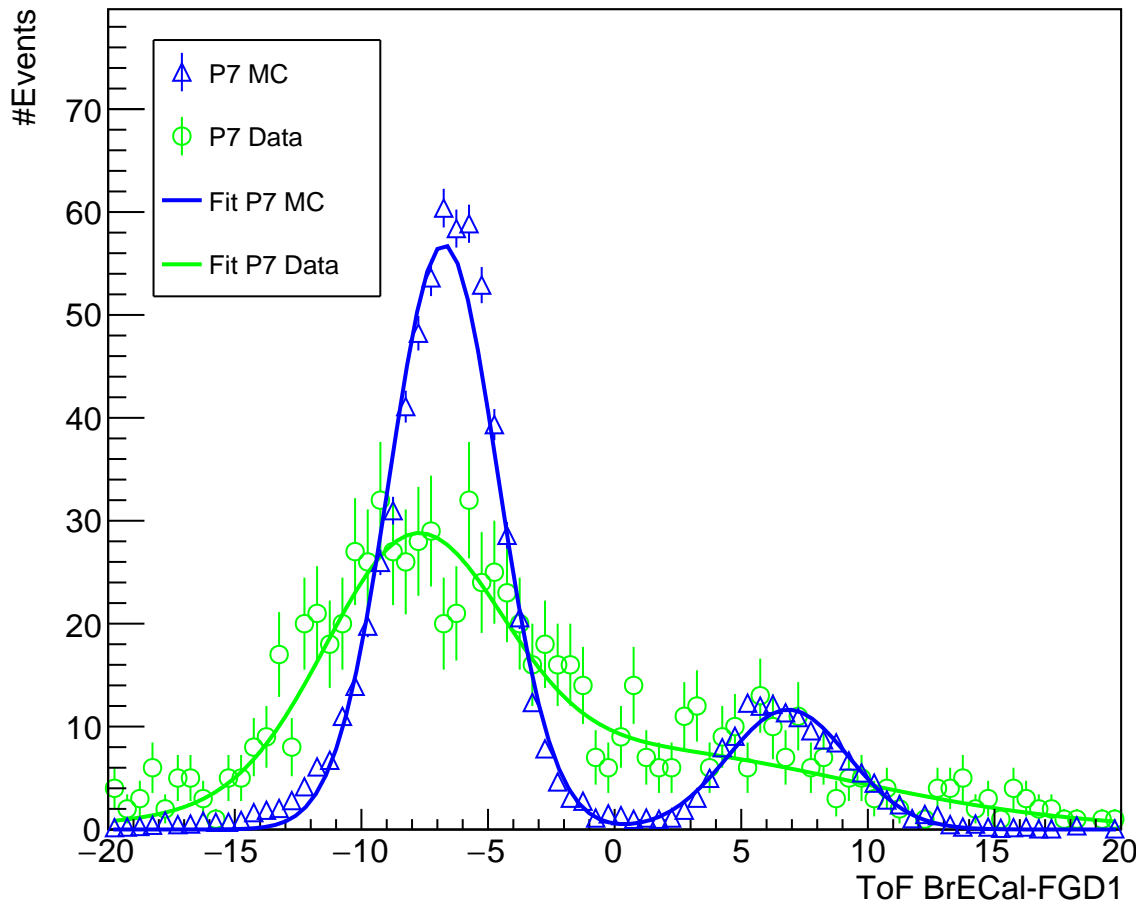
χ^2 / ndf	70.72 / 72
p0	23.35 ± 1.67
p1	−7.975 ± 0.293
p2	3.451 ± 0.207
p3	7.876 ± 0.858
p4	3.246e−08 ± 7.082e−01
p5	9.184 ± 0.731

χ^2 / ndf	447.6 / 71
p0	56.82 ± 0.75
p1	−6.745 ± 0.022
p2	2.135 ± 0.019
p3	11.65 ± 0.32
p4	6.851 ± 0.051
p5	2.394 ± 0.043

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD1

Fgd1Bwd_ToF_ECal_FGD1_shower
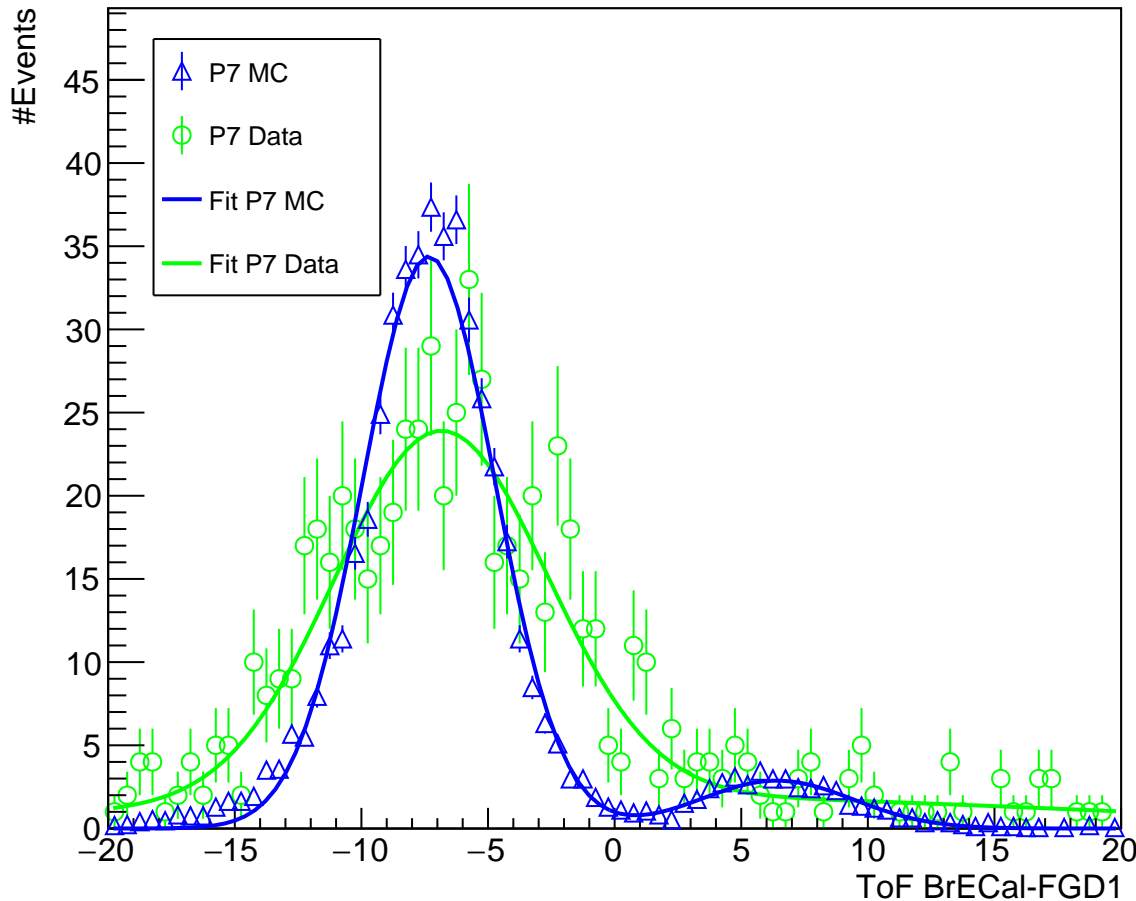
χ^2 / ndf	61 / 68
p0	22.14 ± 0.98
p1	−6.87 ± 0.23
p2	4.188 ± 0.196
p3	1.9 ± 0.3
p4	0.00632 ± 14.40226
p5	18 ± 1.4

χ^2 / ndf	265.2 / 71
p0	34.38 ± 0.54
p1	−7.337 ± 0.031
p2	2.617 ± 0.029
p3	2.876 ± 0.148
p4	6.402 ± 0.121
p5	3.025 ± 0.124

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF BrECal-FGD1 (x-axis)

Fgd1HAFwd_ToF_ECal_FGD1_track
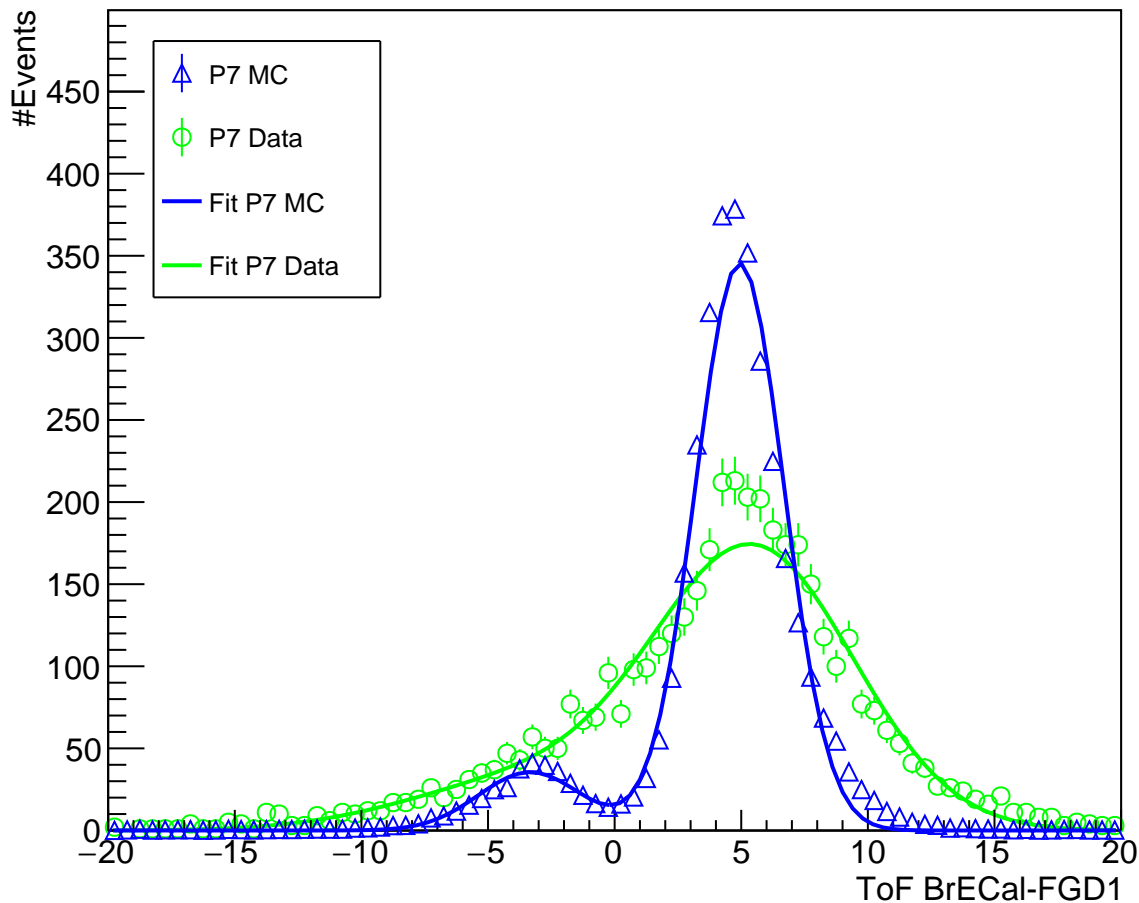
χ^2 / ndf	138.5 / 73
p0	31.05 ± 5.94
p1	−3.202 ± 1.649
p2	4.821 ± 0.756
p3	168.3 ± 8.6
p4	5.545 ± 0.245
p5	3.946 ± 0.151

χ^2 / ndf	2531 / 74
p0	35.5 ± 0.6
p1	−3.338 ± 0.031
p2	2.037 ± 0.033
p3	345.6 ± 2.2
p4	4.942 ± 0.009
p5	1.749 ± 0.008

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

#Events

ToF BrECal-FGD1

Fgd1HAFwd_ToF_ECal_FGD1_shower
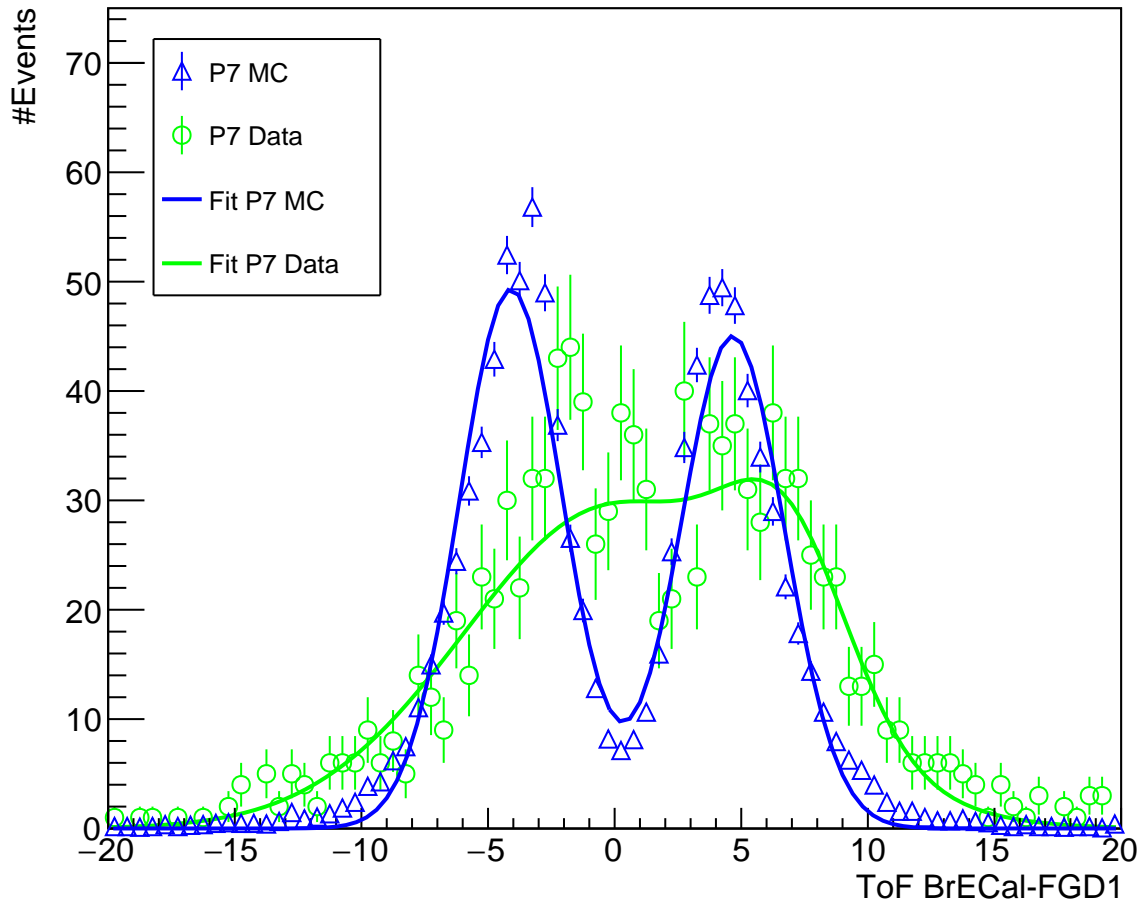
χ^2 / ndf	88.18 / 67
p0	29.51 ± 1.65
p1	−2.499e−09 ± 8.574e−02
p2	5.942 ± 0.278
p3	14.92 ± 2.69
p4	6.881 ± 0.432
p5	2.444 ± 0.529

χ^2 / ndf	865.2 / 74
p0	49.3 ± 0.7
p1	−4.092 ± 0.025
p2	2.047 ± 0.025
p3	45.02 ± 0.73
p4	4.658 ± 0.027
p5	2.06 ± 0.03

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axes: #Events (vertical), ToF BrECal-FGD1 (horizontal)

Fgd1HABwd_ToF_ECal_FGD1_track
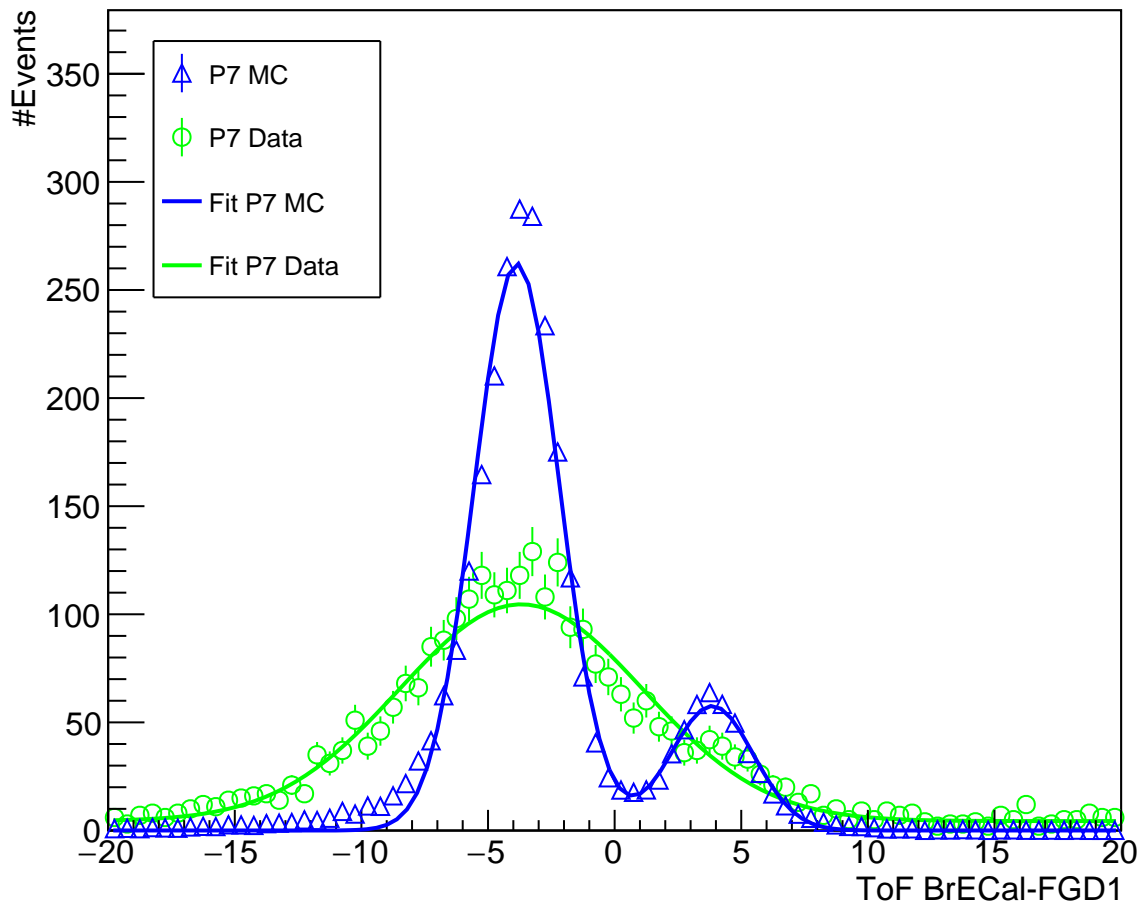
χ^2 / ndf	99.07 / 74
p0	100.3 ± 2.8
p1	−3.692 ± 0.110
p2	4.821 ± 0.118
p3	4.341 ± 0.437
p4	1.547 ± 15.202
p5	1.403e+04 ± 4.029e+06

χ^2 / ndf	2434 / 74
p0	262.3 ± 1.9
p1	−3.86 ± 0.01
p2	1.691 ± 0.009
p3	57.59 ± 0.90
p4	3.851 ± 0.020
p5	1.639 ± 0.021

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (vertical), ToF BrECal-FGD1 (horizontal)

Fgd1HABwd_ToF_ECal_FGD1_shower
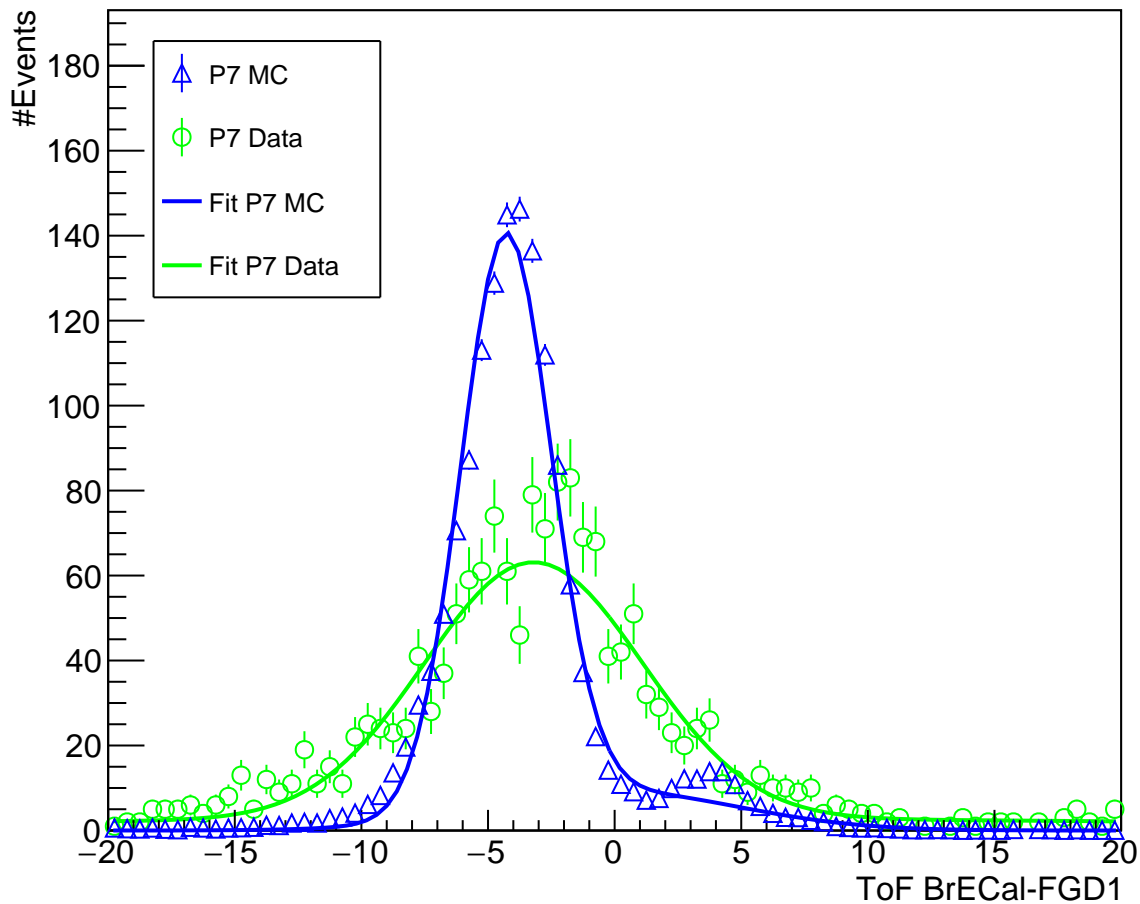
χ^2 / ndf	110.2 / 70
p0	60.47 ± 2.46
p1	−3.204 ± 0.135
p2	4.316 ± 0.181
p3	2.679 ± 0.938
p4	3.006e−06 ± 1.711e+00
p5	29.74 ± 33.25

χ^2 / ndf	1028 / 73
p0	134.5 ± 1.3
p1	−4.292 ± 0.015
p2	1.783 ± 0.013
p3	9.115 ± 0.285
p4	1.943e−12 ± 6.821e−03
p5	4.912 ± 0.064

Fgd2Fwd_ToF_ECal_FGD2_track
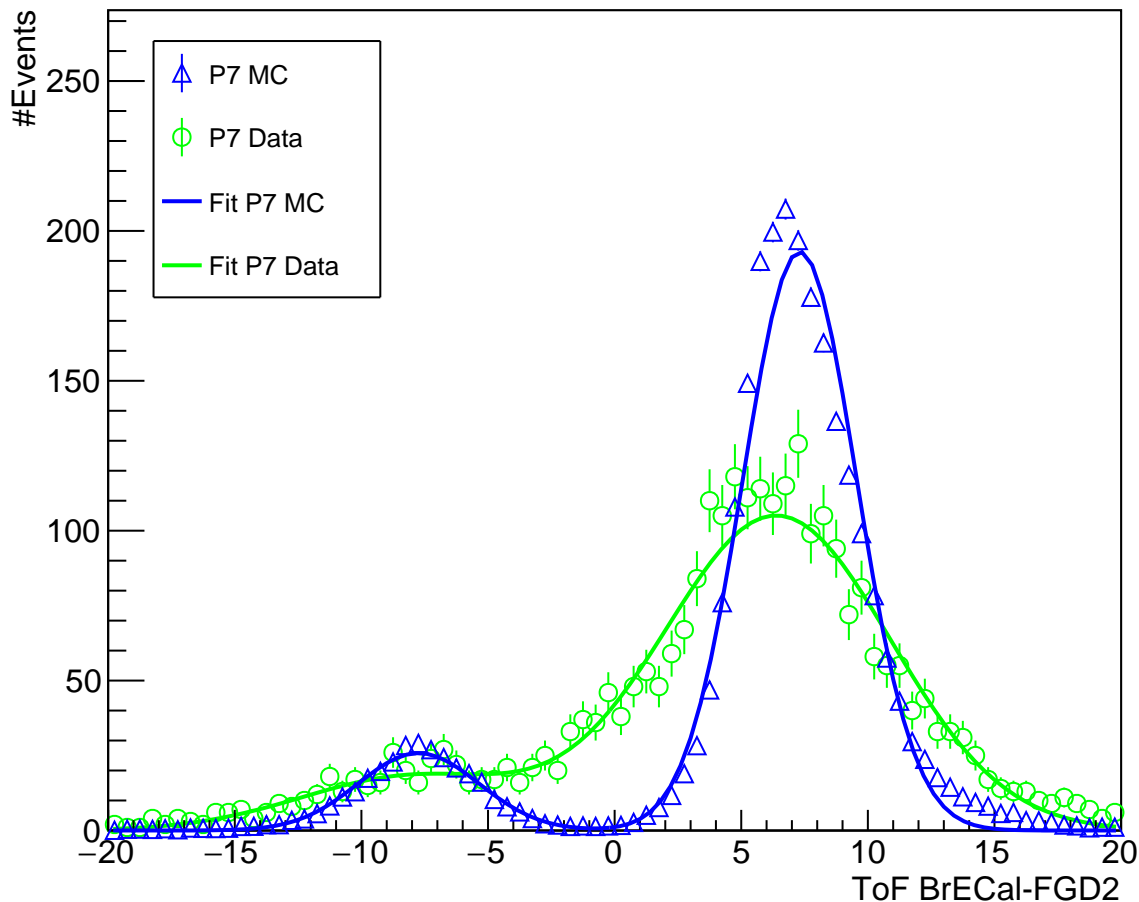
χ^2 / ndf	83.53 / 74
p0	18.09 ± 1.31
p1	−7.938 ± 0.500
p2	4.442 ± 0.400
p3	105 ± 3.0
p4	6.391 ± 0.128
p5	4.503 ± 0.125

χ^2 / ndf	1655 / 74
p0	25.79 ± 0.48
p1	−7.744 ± 0.033
p2	2.388 ± 0.030
p3	193.1 ± 1.4
p4	7.312 ± 0.013
p5	2.251 ± 0.011

Legend:
- △ P7 MC
- ○ P7 Data
- — Fit P7 MC
- — Fit P7 Data

Axis labels: #Events (y-axis), ToF BrECal-FGD2 (x-axis)

Fgd2Fwd_ToF_ECal_FGD2_shower
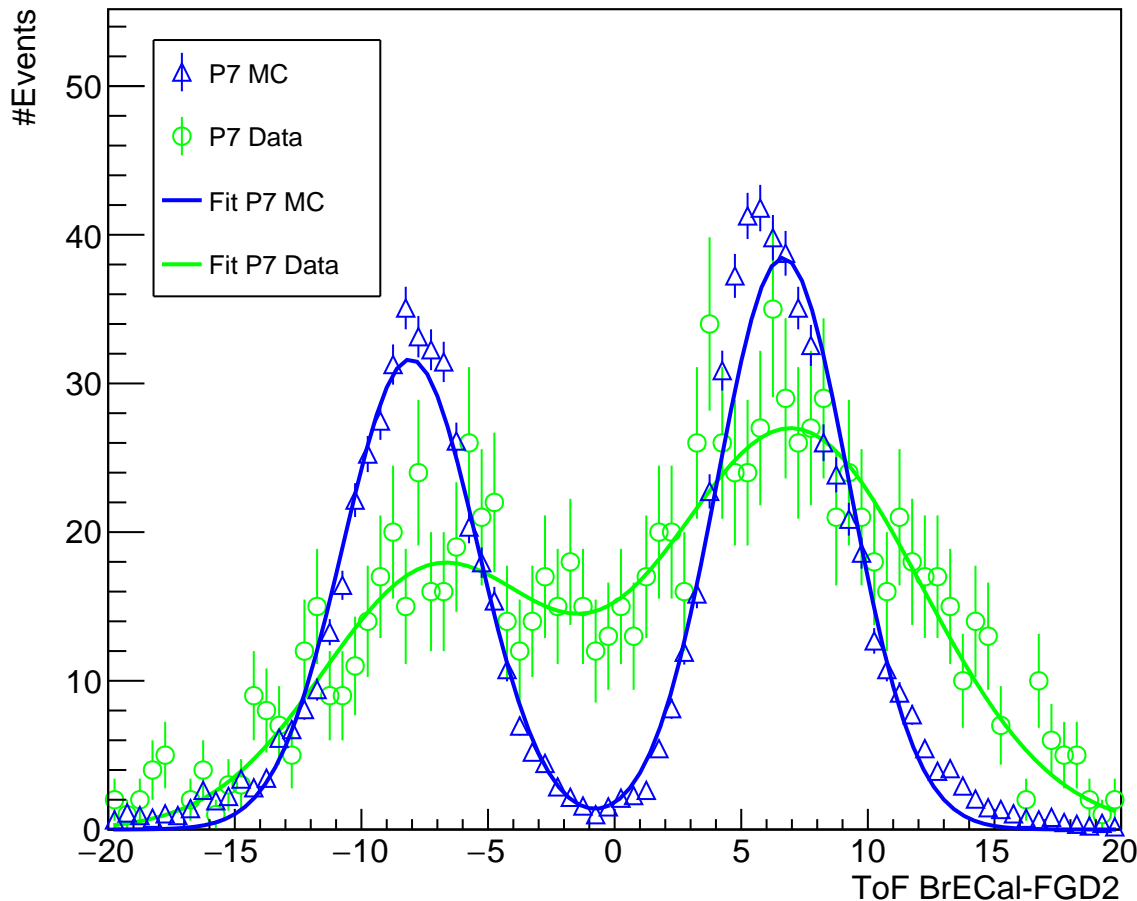
χ^2 / ndf	62.12 / 72	
p0	17.28 ± 1.31	
p1	−7.107 ± 0.507	
p2	4.436 ± 0.407	
p3	26.89 ± 1.38	
p4	7.027 ± 0.391	
p5	5.125 ± 0.304	

χ^2 / ndf	654.9 / 74	
p0	31.62 ± 0.50	
p1	−8.069 ± 0.033	
p2	2.649 ± 0.029	
p3	38.45 ± 0.56	
p4	6.651 ± 0.031	
p5	2.613 ± 0.026	

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

#Events

ToF BrECal-FGD2

Fgd2Fwd_ToF_DSECal_FGD2_track
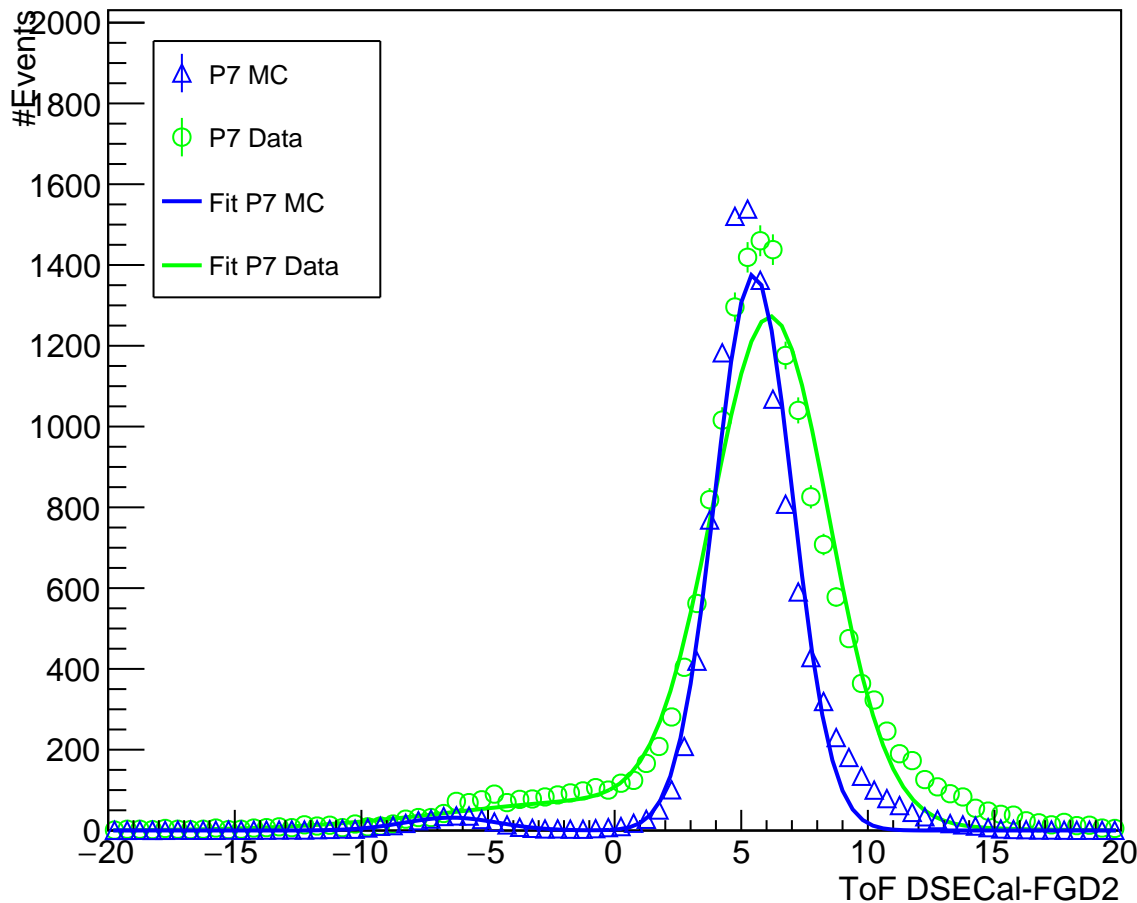
χ^2 / ndf		992 / 74
p0		74.39 ± 3.28
p1		−1.571e−11 ± 1.090e−02
p2		6.41 ± 0.16
p3		1226 ± 15.4
p4		6.176 ± 0.023
p5		2.298 ± 0.024

χ^2 / ndf		1.473e+04 / 74
p0		31.78 ± 0.66
p1		−6.458 ± 0.026
p2		−1.851 ± 0.028
p3		1378 ± 4.6
p4		5.494 ± 0.004
p5		1.527 ± 0.004

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF DSECal-FGD2 (x-axis)

Fgd2Fwd_ToF_DSECal_FGD2_shower
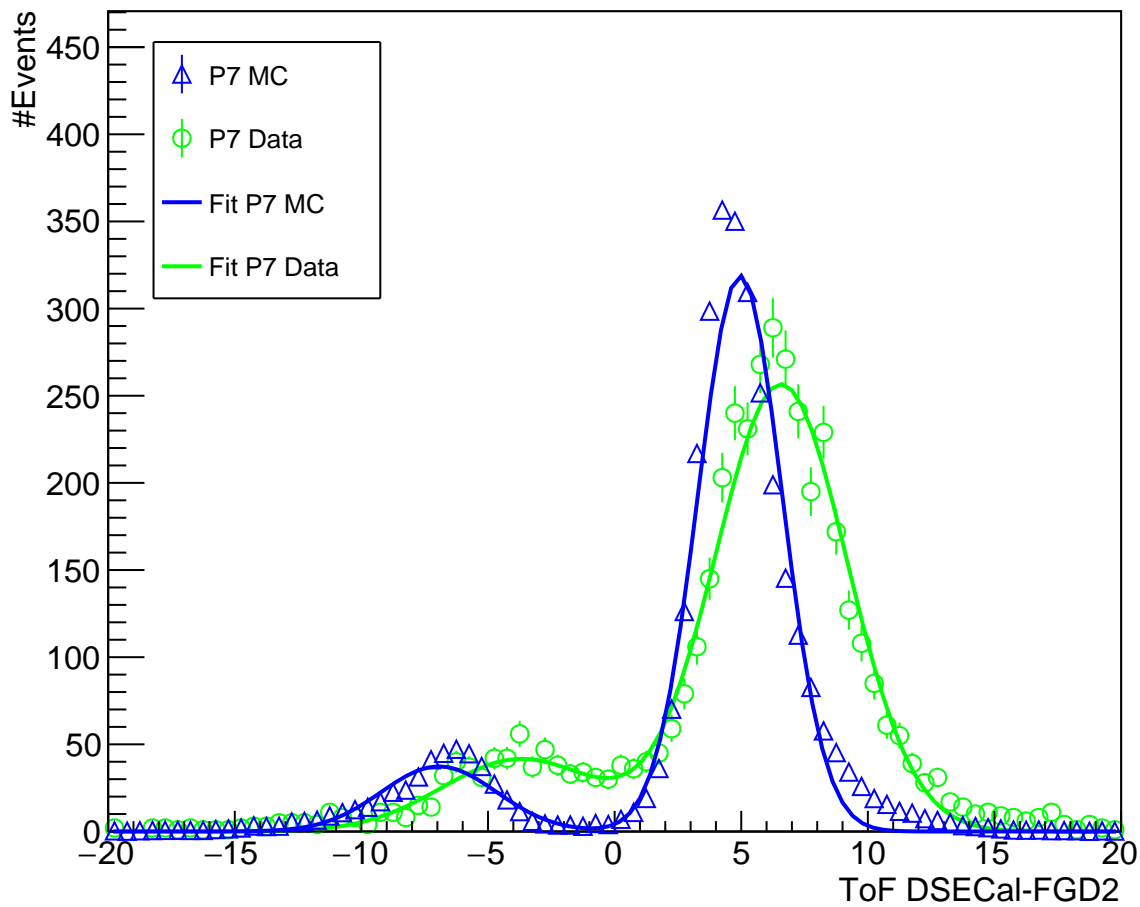
χ^2 / ndf	190.5 / 72
p0	41.56 ± 2.23
p1	−3.715 ± 0.169
p2	3.103 ± 0.159
p3	256.5 ± 5.3
p4	6.571 ± 0.053
p5	2.604 ± 0.045

χ^2 / ndf	4026 / 74
p0	37.36 ± 0.70
p1	−6.939 ± 0.032
p2	2.274 ± 0.034
p3	318.9 ± 2.1
p4	4.954 ± 0.009
p5	1.664 ± 0.008

Legend:
- △ P7 MC
- ○ P7 Data
- — Fit P7 MC
- — Fit P7 Data

Y-axis: #Events

X-axis: ToF DSECal-FGD2

Fgd2Bwd_ToF_FGD1_FGD2
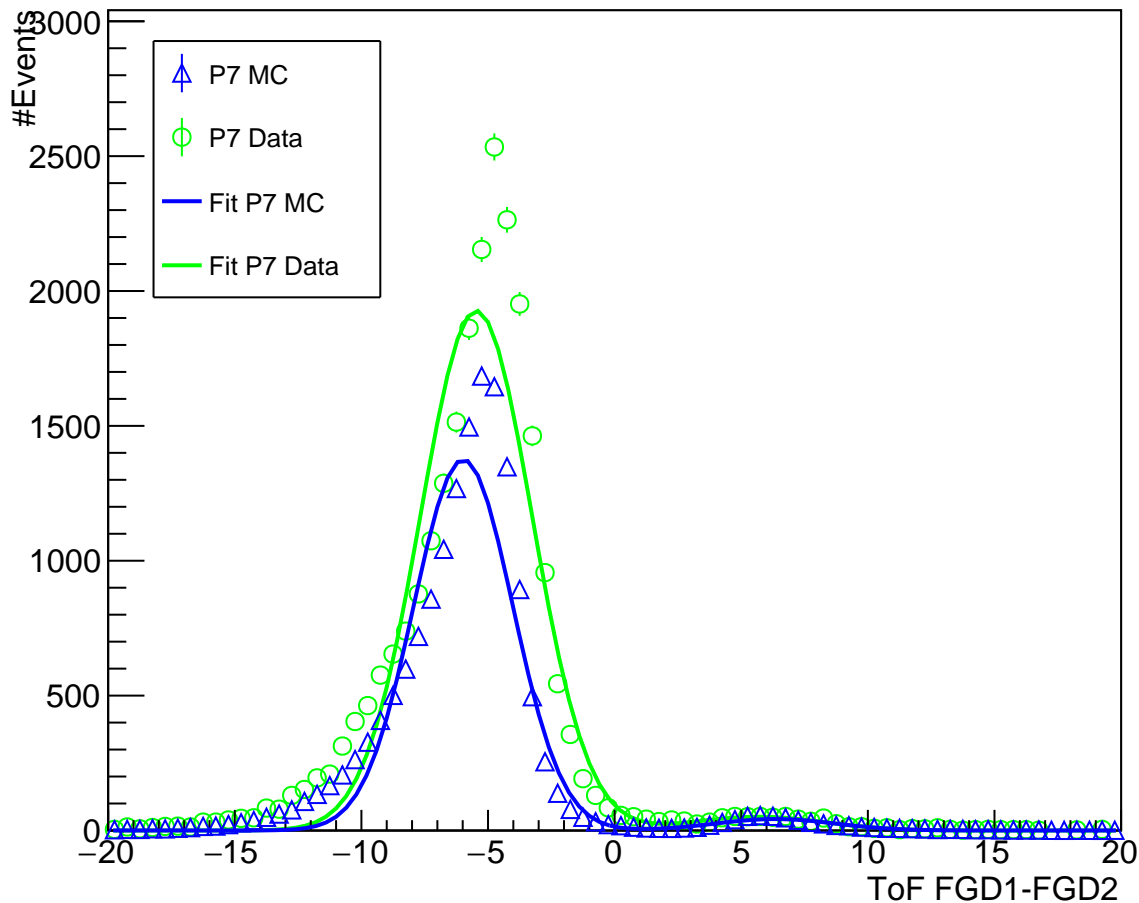
χ^2 / ndf	2428 / 70
p0	1927 ± 20.4
p1	−5.464 ± 0.021
p2	2.203 ± 0.018
p3	50.96 ± 2.67
p4	5.683 ± 0.127
p5	2.598 ± 0.117

χ^2 / ndf	2.875e+04 / 74
p0	1375 ± 4.3
p1	−5.978 ± 0.006
p2	1.955 ± 0.005
p3	42.37 ± 0.75
p4	6.346 ± 0.028
p5	2.357 ± 0.035

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

#Events

ToF FGD1-FGD2

Fgd2Bwd_ToF_ECal_FGD2_track
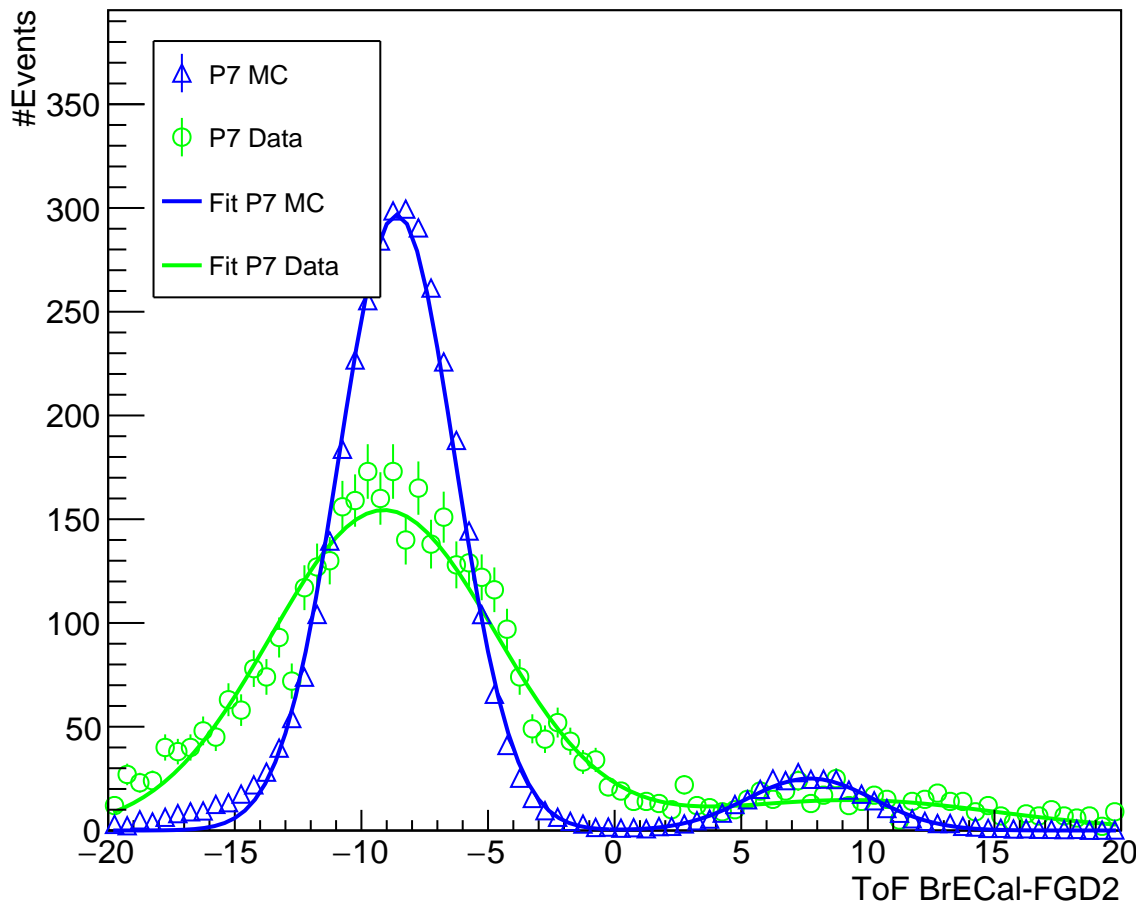
χ^2 / ndf	138.3 / 74
p0	154.4 ± 3.6
p1	−9.117 ± 0.088
p2	4.458 ± 0.085
p3	14.63 ± 1.01
p4	9.338 ± 0.460
p5	5.784 ± 0.505

χ^2 / ndf	1539 / 74
p0	296.8 ± 1.6
p1	−8.6 ± 0.0
p2	2.29 ± 0.01
p3	25.06 ± 0.46
p4	7.716 ± 0.035
p5	2.501± 0.031

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (vertical), ToF BrECal-FGD2 (horizontal)

Fgd2Bwd_ToF_ECal_FGD2_shower
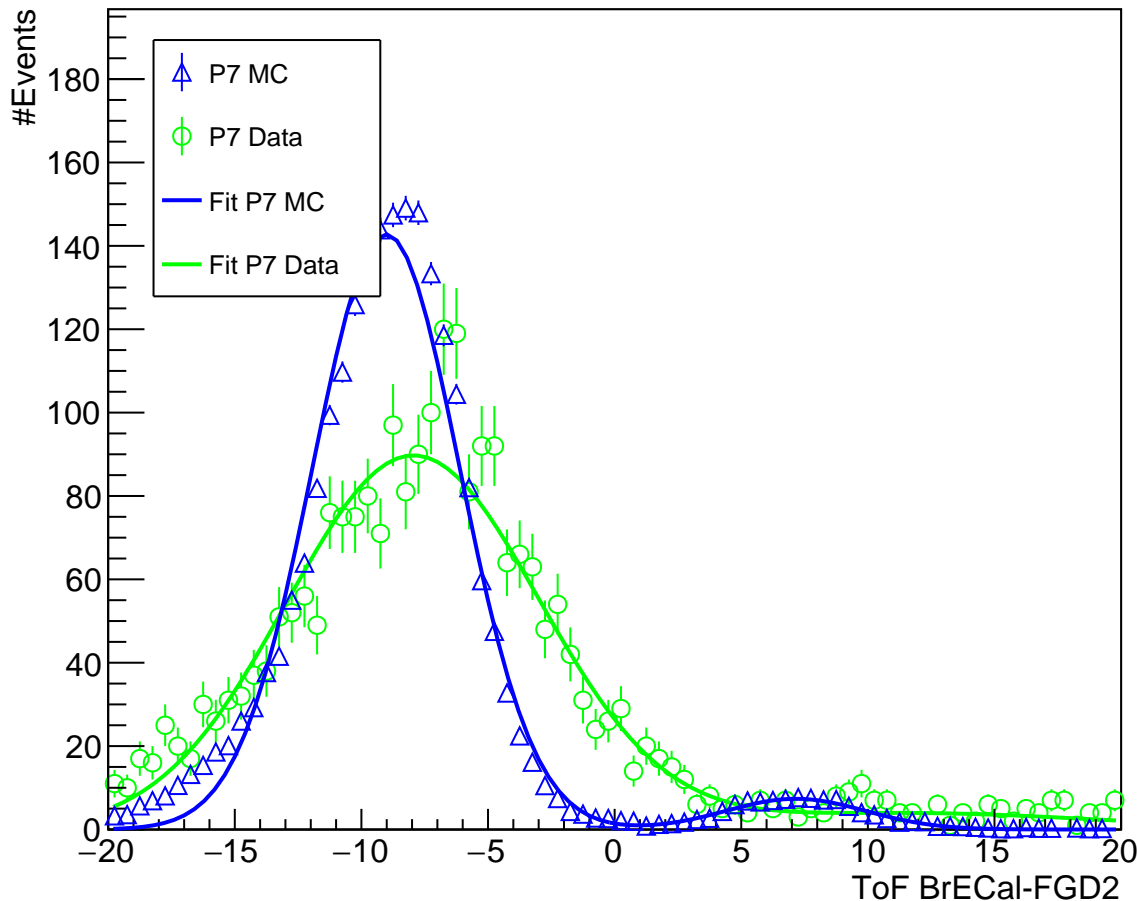
χ^2 / ndf	114.8 / 73
p0	89.62 ± 2.57
p1	−7.958 ± 0.131
p2	4.999 ± 0.123
p3	3.927 ± 0.600
p4	11.59 ± 1.65
p5	7.479 ± 2.736

χ^2 / ndf	1241 / 72
p0	142.8 ± 1.0
p1	−9.027 ± 0.017
p2	2.913 ± 0.014
p3	7.366 ± 0.243
p4	7.153 ± 0.069
p5	2.751 ± 0.066

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events, ToF BrECal-FGD2

Fgd2HAFwd_ToF_ECal_FGD2_track
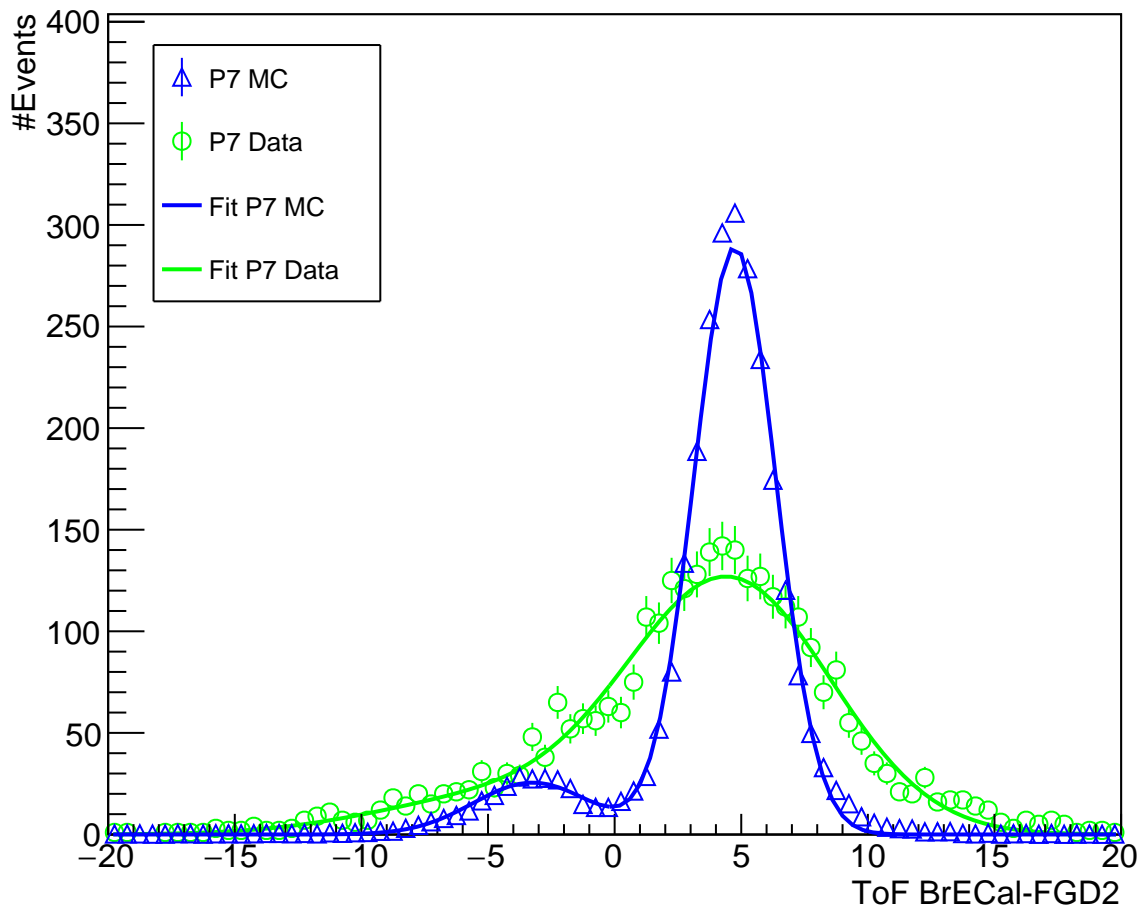
χ^2 / ndf	101 / 72
p0	17.82 ± 4.06
p1	−4.73 ± 1.97
p2	4.736 ± 0.944
p3	124.3 ± 5.6
p4	4.541 ± 0.259
p5	4.02 ± 0.17

χ^2 / ndf	930.8 / 74
p0	25.55 ± 0.51
p1	−3.243 ± 0.043
p2	2.333 ± 0.044
p3	289.1 ± 1.9
p4	4.748 ± 0.009
p5	1.619 ± 0.008

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD2

Fgd2HAFwd_ToF_ECal_FGD2_shower
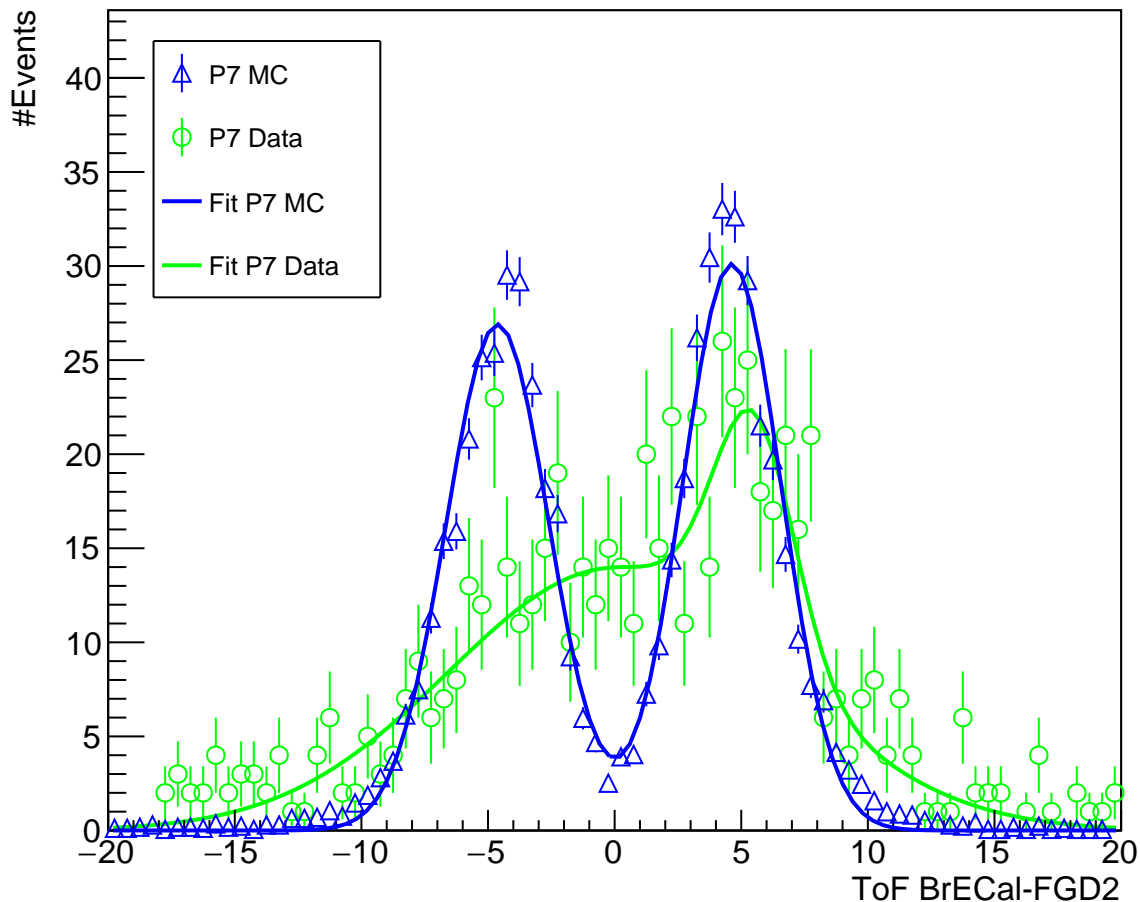
χ^2 / ndf	77.51 / 68
p0	13.95 ± 1.10
p1	−5.929e−12 ± 3.660e−01
p2	6.542 ± 0.320
p3	12.45 ± 2.29
p4	5.517 ± 0.329
p5	1.6 ± 0.3

χ^2 / ndf	372.4 / 73
p0	26.9 ± 0.5
p1	−4.623 ± 0.032
p2	2.029 ± 0.029
p3	30.11 ± 0.59
p4	4.628 ± 0.030
p5	1.957 ± 0.029

Legend:
- △ P7 MC
- ○ P7 Data
- — Fit P7 MC
- — Fit P7 Data

#Events

ToF BrECal-FGD2

Fgd2HABwd_ToF_ECal_FGD2_track
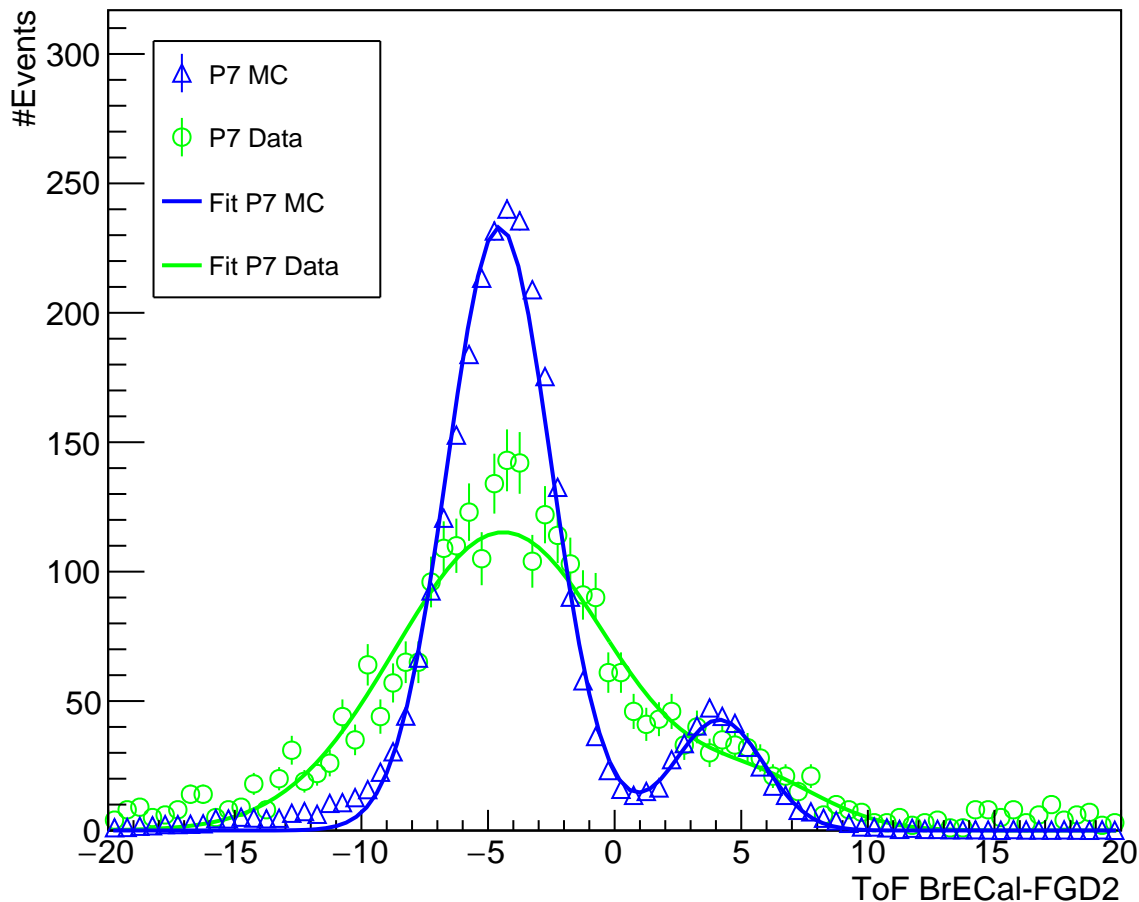
χ^2 / ndf	219.8 / 74
p0	115.2 ± 3.5
p1	−4.396 ± 0.125
p2	4.285 ± 0.136
p3	17.12 ± 2.90
p4	5.679 ± 0.402
p5	2.674 ± 0.390

χ^2 / ndf	1949 / 74
p0	233.1 ± 1.5
p1	−4.552 ± 0.011
p2	2.053 ± 0.010
p3	42.77 ± 0.72
p4	4.134 ± 0.025
p5	1.754 ± 0.026

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF BrECal-FGD2 (x-axis)

Fgd2HABwd_ToF_ECal_FGD2_shower
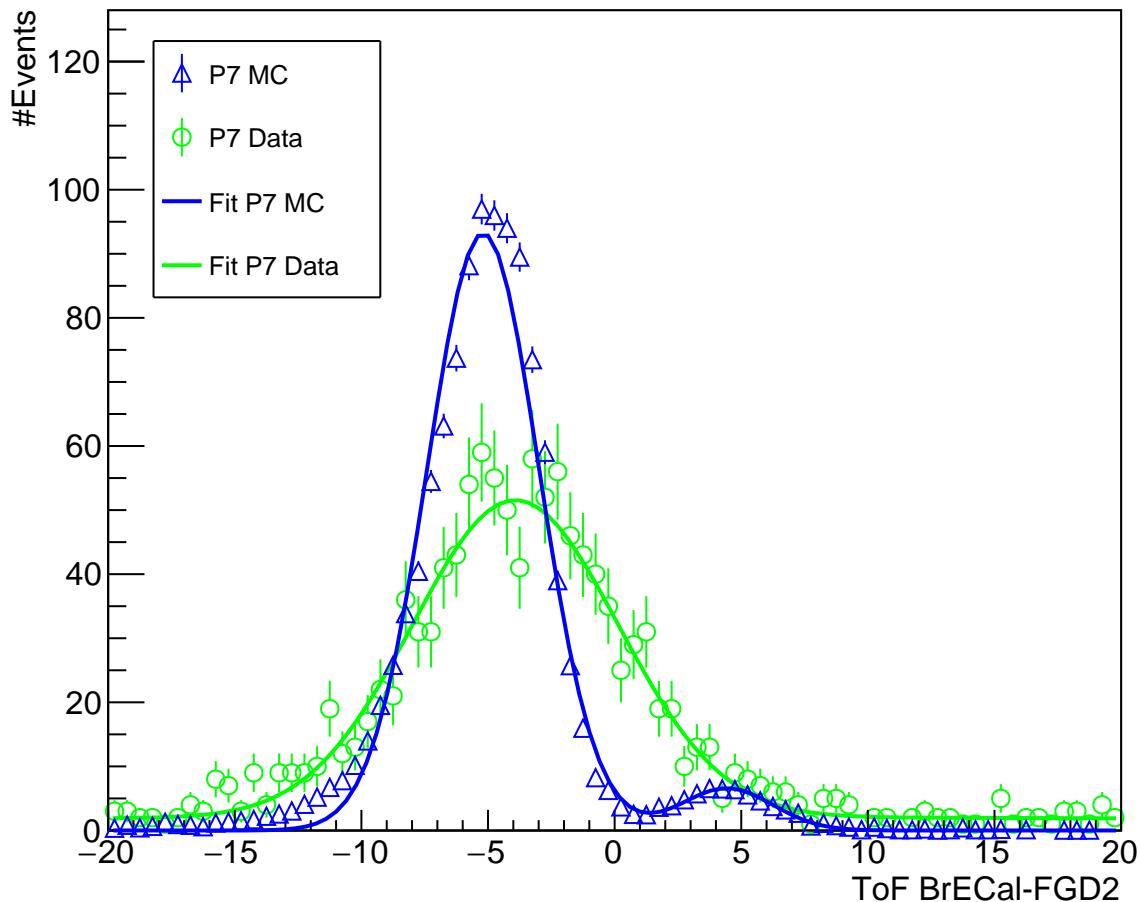
χ^2 / ndf		57.9 / 71
p0		49.52 ± 2.14
p1		−3.921 ± 0.146
p2		4.07 ± 0.16
p3		2.034 ± 0.704
p4		6.214e−07 ± 1.467e+01
p5		53.5 ± 198.7

χ^2 / ndf		863.9 / 69
p0		93.2 ± 0.9
p1		−5.194 ± 0.018
p2		2.208 ± 0.015
p3		6.587 ± 0.269
p4		4.433 ± 0.067
p5		1.821 ± 0.058

Legend:
- P7 MC
- P7 Data
- Fit P7 MC
- Fit P7 Data

Axis labels: #Events (y-axis), ToF BrECal-FGD2 (x-axis)