Fgd1Fwd_ToF_FGD1_FGD2

χ^2 / ndf	1505 / 68
p0	3122 ± 26.6
p1	-5.237 ± 0.011
p2	1.632 ± 0.010
p3	33.64 ± 1.68
p4	4.126 ± 0.429
p5	4.133 ± 0.300

χ^2 / ndf	1.122e+04 / 74
p0	2235 ± 8.3
p1	-5.265 ± 0.004
p2	1.384 ± 0.004
p3	24.3 ± 0.6
p4	5.992 ± 0.073
p5	3.652 ± 0.086

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF FGD1-FGD2

Fgd1Fwd_ToF_ECal_FGD1_track
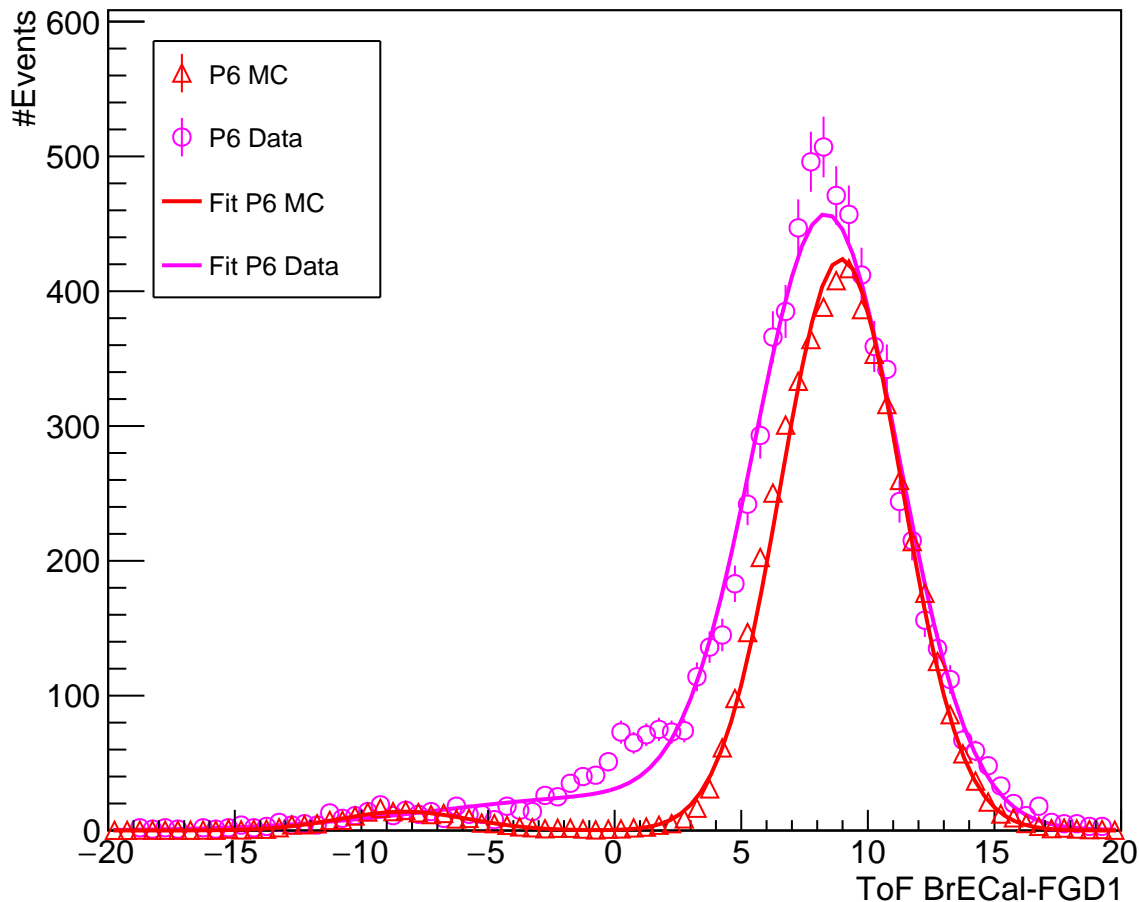
χ^2 / ndf	184.5 / 70
p0	24.95 ± 1.52
p1	−1.196e−09 ± 8.246e−02
p2	6.886 ± 0.311
p3	445.4 ± 7.7
p4	8.384 ± 0.041
p5	2.852 ± 0.036

χ^2 / ndf	382.1 / 74
p0	13.9 ± 0.4
p1	−8.322 ± 0.064
p2	−2.571 ± 0.055
p3	423.9 ± 2.3
p4	8.95 ± 0.01
p5	2.387 ± 0.007

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD1

Fgd1Fwd_ToF_ECal_FGD1_shower
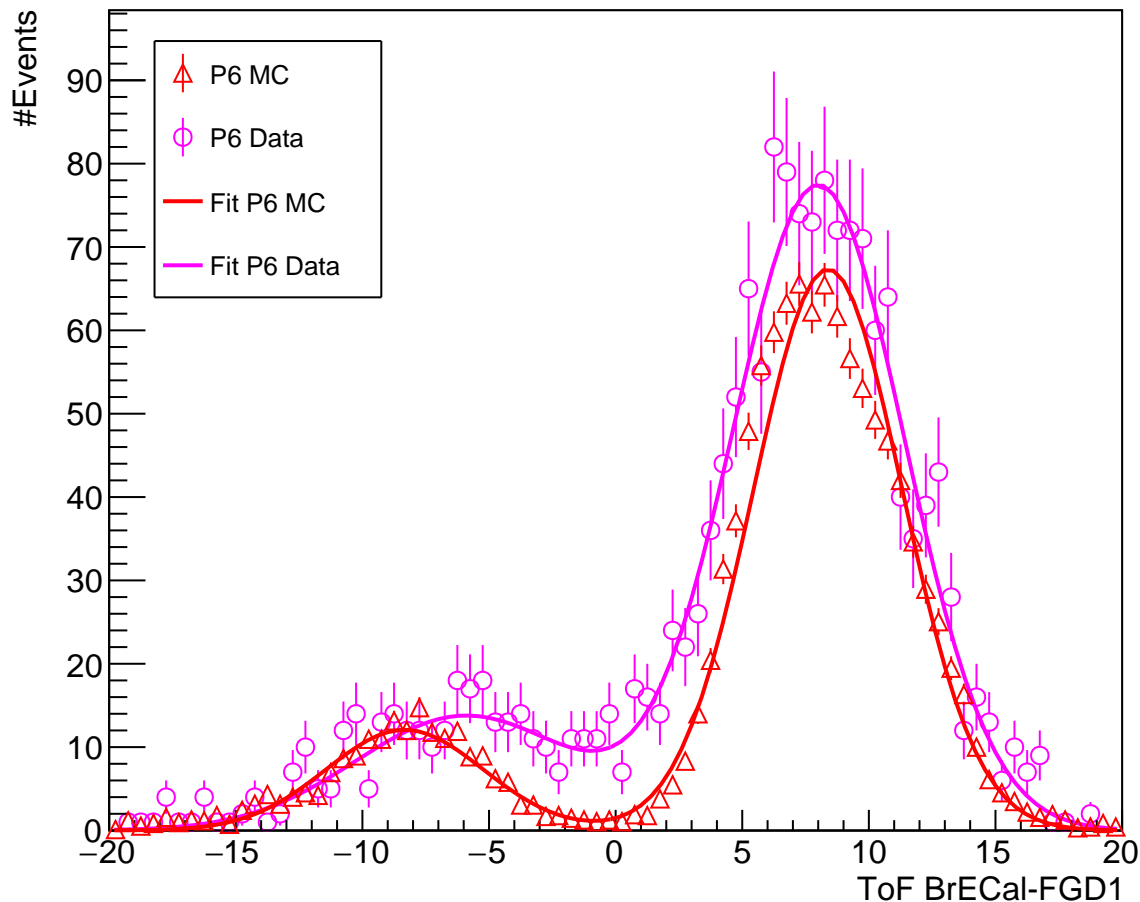
χ^2 / ndf	70.19 / 70
p0	13.77 ± 1.12
p1	−5.923 ± 0.412
p2	4.332 ± 0.367
p3	77.4 ± 2.8
p4	8.007 ± 0.114
p5	3.403 ± 0.093

χ^2 / ndf	307.6 / 74
p0	12.07 ± 0.39
p1	−8.332 ± 0.081
p2	3.104 ± 0.074
p3	67.34 ± 0.85
p4	8.385 ± 0.032
p5	2.942 ± 0.022

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

X-axis: ToF BrECal-FGD1
Y-axis: #Events

Fgd1Fwd_ToF_DSECal_FGD1_track
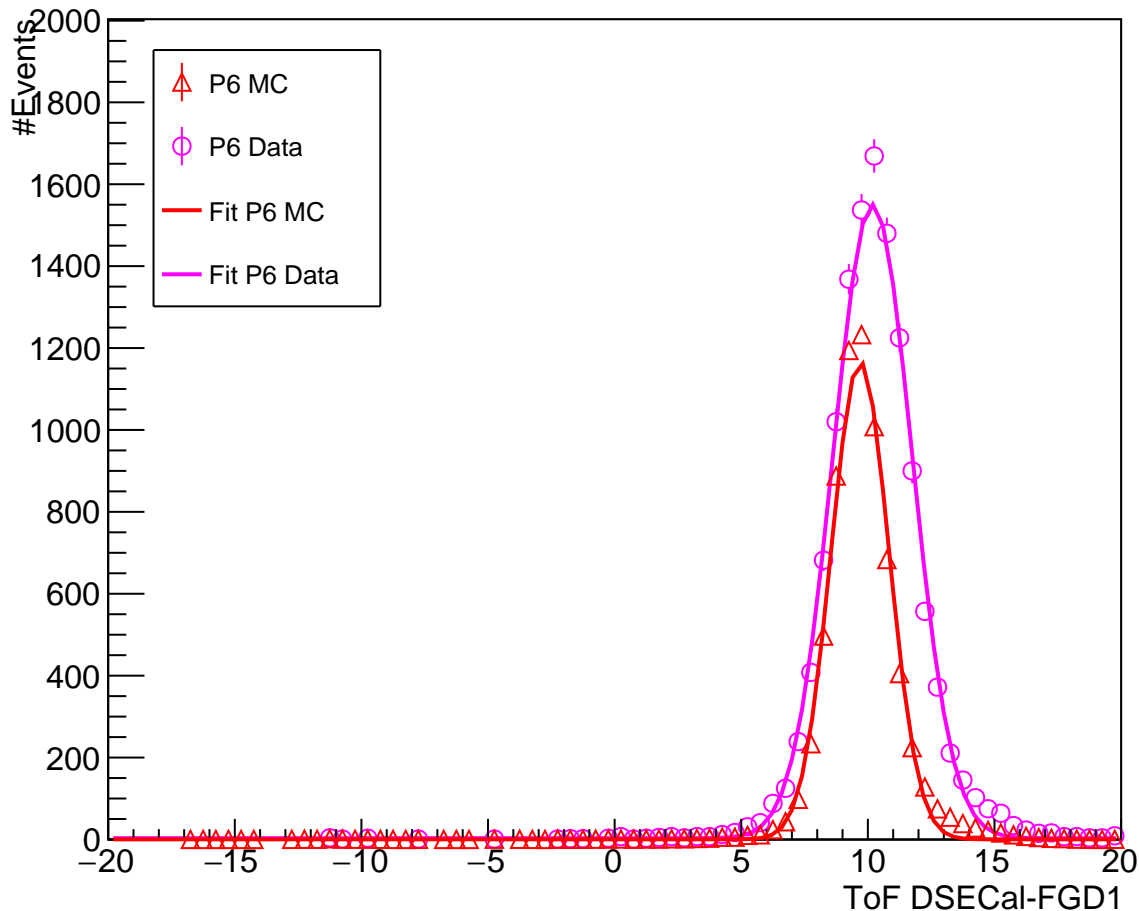
χ^2 / ndf	282.3 / 43
p0	3.16 ± 0.33
p1	−0.8273 ± 15.5746
p2	−1064 ± 12.7
p3	1547 ± 18.1
p4	10.19 ± 0.01
p5	1.561 ± 0.013

χ^2 / ndf	2720 / 63
p0	0.3241 ± 0.0248
p1	−8.454e−06 ± 1.406e+01
p2	695.2 ± 1.4
p3	1166 ± 1.4
p4	9.694 ± 0.005
p5	1.141 ± 0.003

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Y-axis: #Events

X-axis: ToF DSECal-FGD1

Fgd1Fwd_ToF_DSECal_FGD1_shower
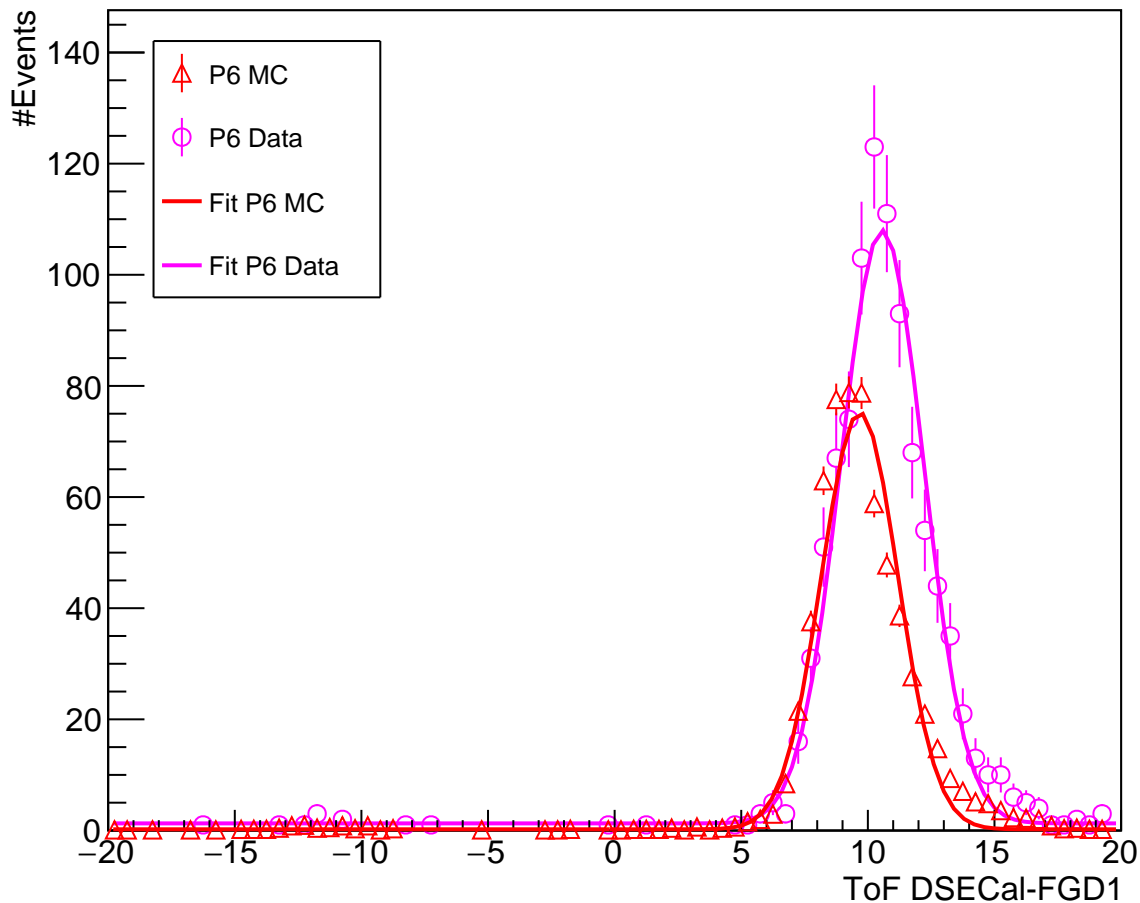
χ² / ndf	43.18 / 33
p0	1.276 ± 0.267
p1	−0.01833 ± 12.00212
p2	−1.065e+04 ± 2.205e+06
p3	106.7 ± 4.7
p4	10.57 ± 0.06
p5	1.643 ± 0.050

χ² / ndf	436.2 / 56
p0	0.2115 ± 0.0230
p1	−0.3566 ± 14.6904
p2	−3.285e+04 ± 2.152e+07
p3	75 ± 1.4
p4	9.678 ± 0.025
p5	1.517 ± 0.019

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Axis labels: #Events, ToF DSECal-FGD1

Fgd1Bwd_ToF_P0D_FGD1_track
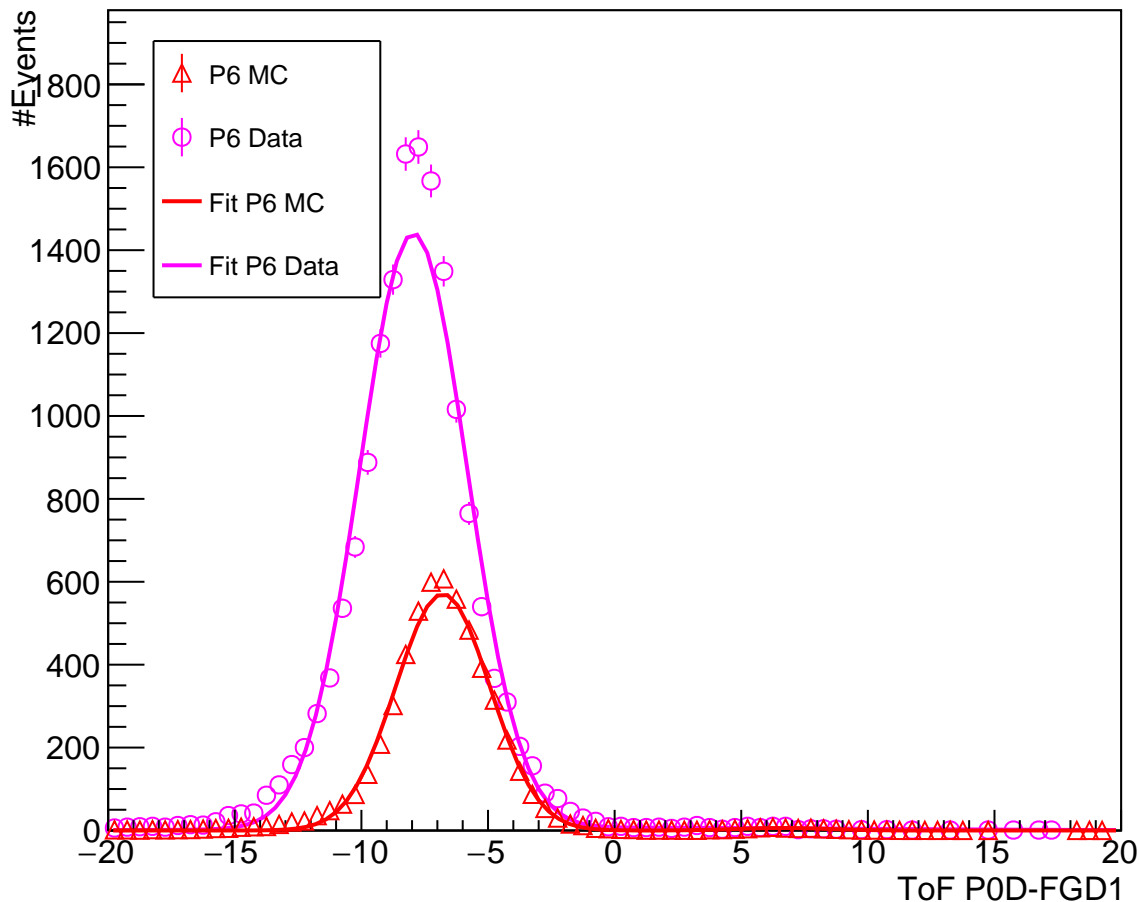
χ^2 / ndf	467.4 / 60
p0	1436 ± 16.3
p1	−7.947 ± 0.018
p2	2.118 ± 0.017
p3	6.592 ± 0.835
p4	3.009e−13 ± 7.257e−02
p5	−10.11 ± 1.45

χ^2 / ndf	1325 / 66
p0	570.6 ± 3.4
p1	−6.785 ± 0.009
p2	1.865 ± 0.007
p3	5.911 ± 0.378
p4	6.657 ± 0.081
p5	1.809 ± 0.085

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF P0D-FGD1

Fgd1Bwd_ToF_P0D_FGD1_shower
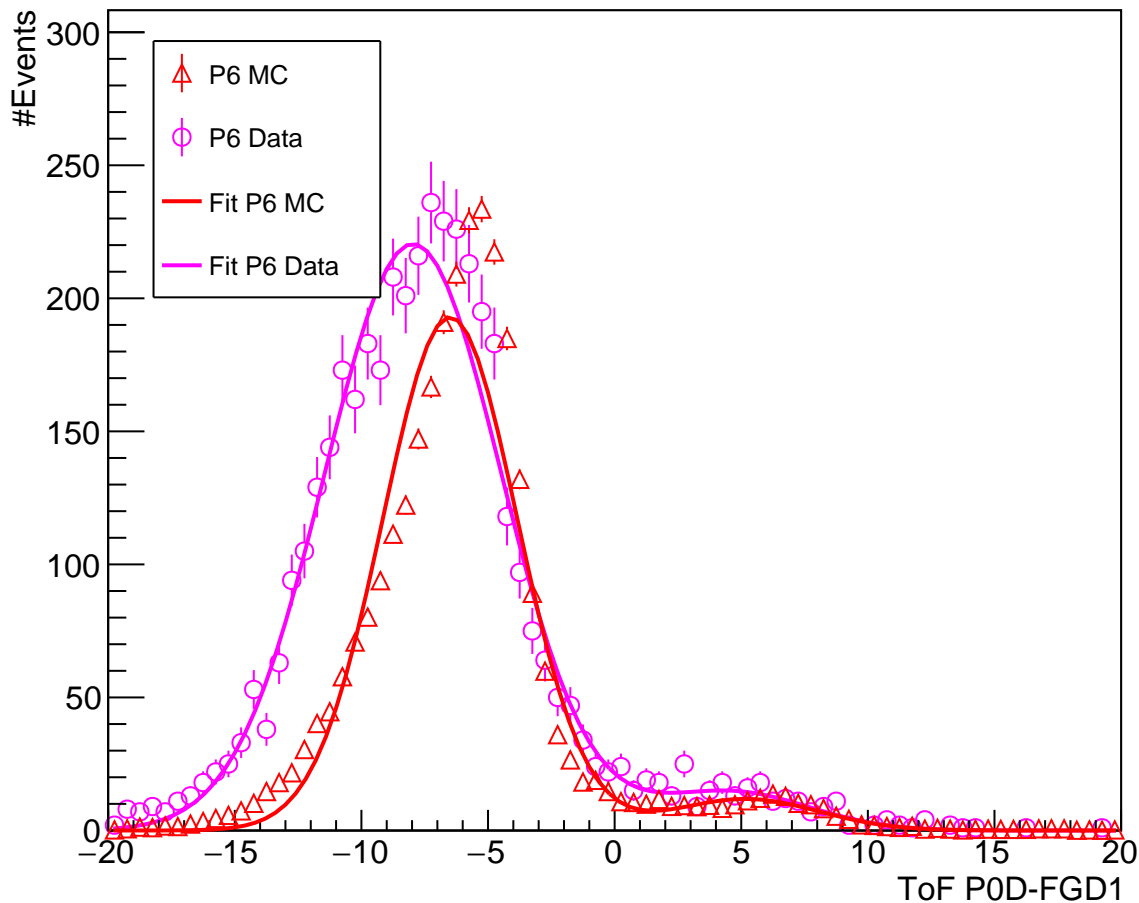
χ^2 / ndf	107.6 / 63
p0	220.5 ± 4.7
p1	−7.965 ± 0.059
p2	3.498 ± 0.054
p3	14.62 ± 1.39
p4	4.564 ± 0.364
p5	3.094 ± 0.327

χ^2 / ndf	1686 / 74
p0	193 ± 1.8
p1	−6.5 ± 0.0
p2	2.658 ± 0.019
p3	11.85 ± 0.38
p4	5.167 ± 0.106
p5	2.897 ± 0.084

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Axis label: ToF P0D-FGD1

Y-axis: #Events

Fgd1Bwd_ToF_ECal_FGD1_track
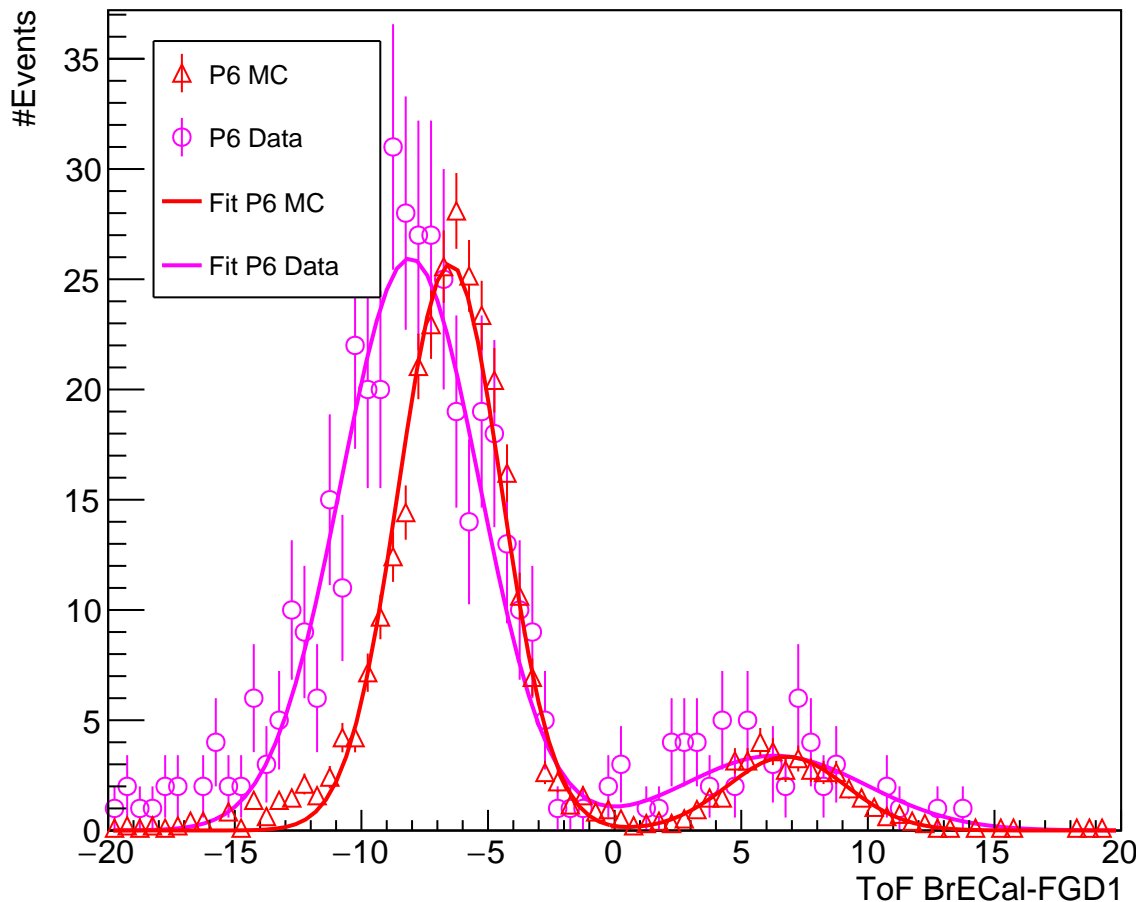
χ^2 / ndf	49.64 / 52
p0	25.95 ± 1.83
p1	−8.076 ± 0.161
p2	2.742 ± 0.136
p3	3.392 ± 0.618
p4	6.316 ± 0.766
p5	−3.629 ± 0.676

χ^2 / ndf	155.7 / 66
p0	25.69 ± 0.70
p1	−6.502 ± 0.043
p2	2.03 ± 0.04
p3	3.346 ± 0.227
p4	6.796 ± 0.124
p5	2.338 ± 0.105

Legend:
- △ P6 MC
- ○ P6 Data
- — Fit P6 MC
- — Fit P6 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD1

Fgd1Bwd_ToF_ECal_FGD1_shower
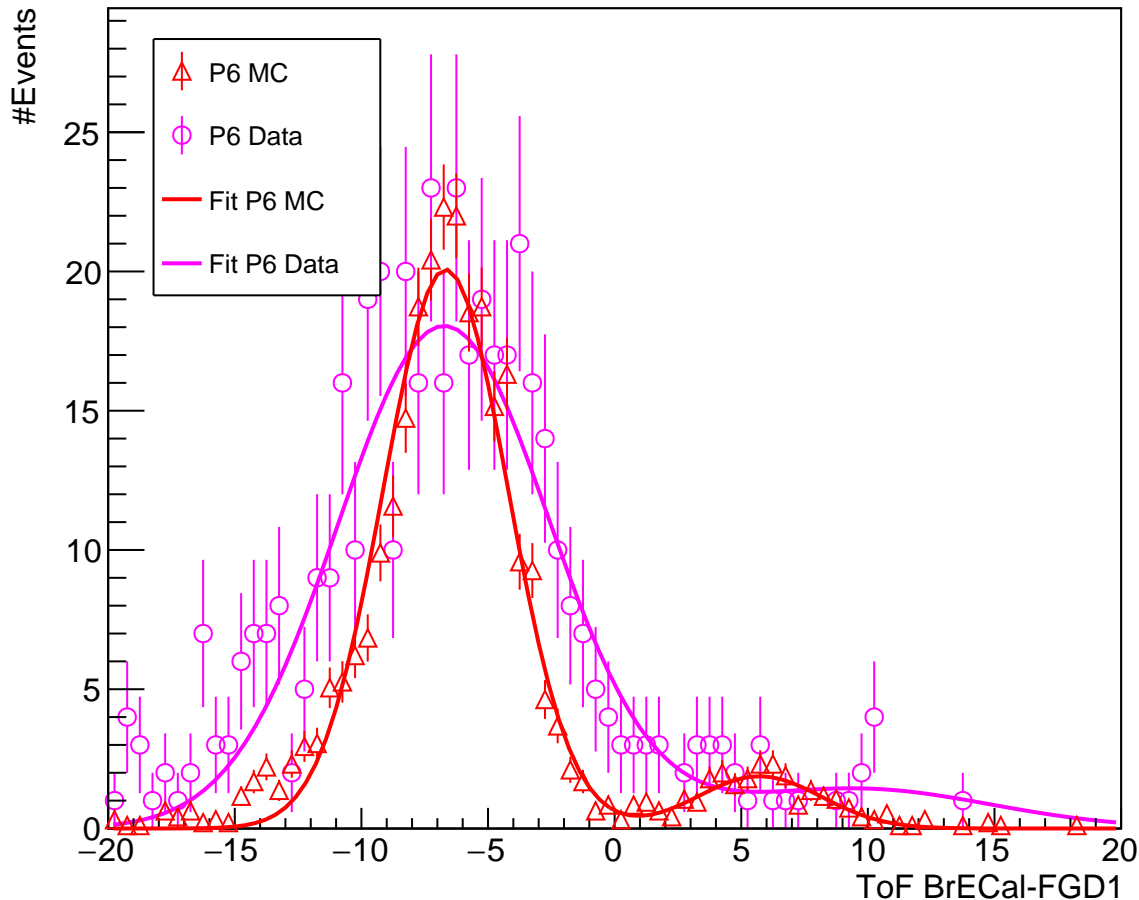
χ^2 / ndf	54.28 / 53
p0	18.03 ± 1.39
p1	−6.743 ± 0.256
p2	4.173 ± 0.293
p3	1.433 ± 0.474
p4	9.524 ± 3.543
p5	5.294 ± 3.506

χ^2 / ndf	159.7 / 62
p0	20.07 ± 0.56
p1	−6.672 ± 0.058
p2	2.468 ± 0.049
p3	1.875 ± 0.168
p4	5.722 ± 0.184
p5	2.448 ± 0.166

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD1

Fgd1HAFwd_ToF_ECal_FGD1_track
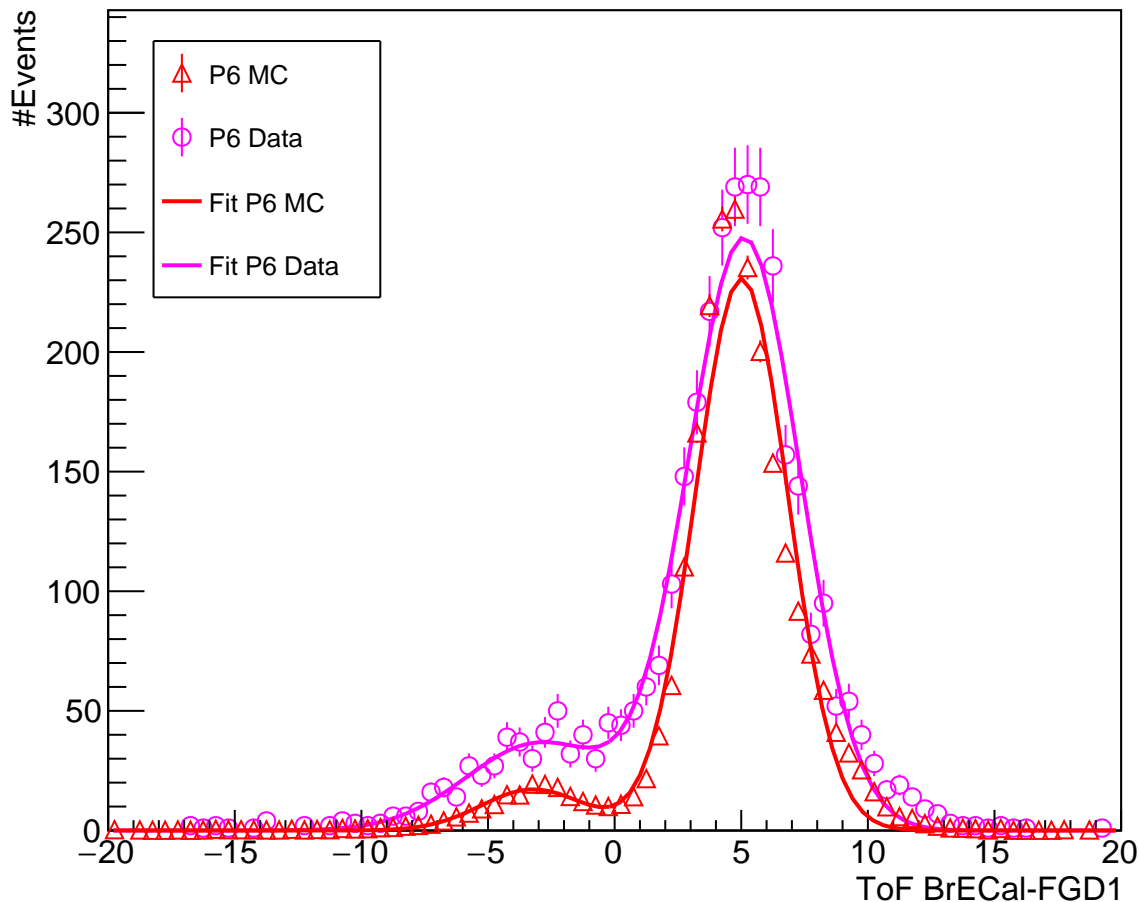
χ^2 / ndf	136.6 / 58
p0	36.59 ± 2.17
p1	−2.953 ± 0.284
p2	2.913 ± 0.218
p3	247.1 ± 6.9
p4	5.122 ± 0.054
p5	2.214 ± 0.060

χ^2 / ndf	1126 / 70
p0	17.2 ± 0.6
p1	−3.214 ± 0.063
p2	2.056 ± 0.065
p3	230.9 ± 2.4
p4	5.016 ± 0.015
p5	1.834 ± 0.014

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Axis labels: #Events, ToF BrECal-FGD1

Fgd1HAFwd_ToF_ECal_FGD1_shower
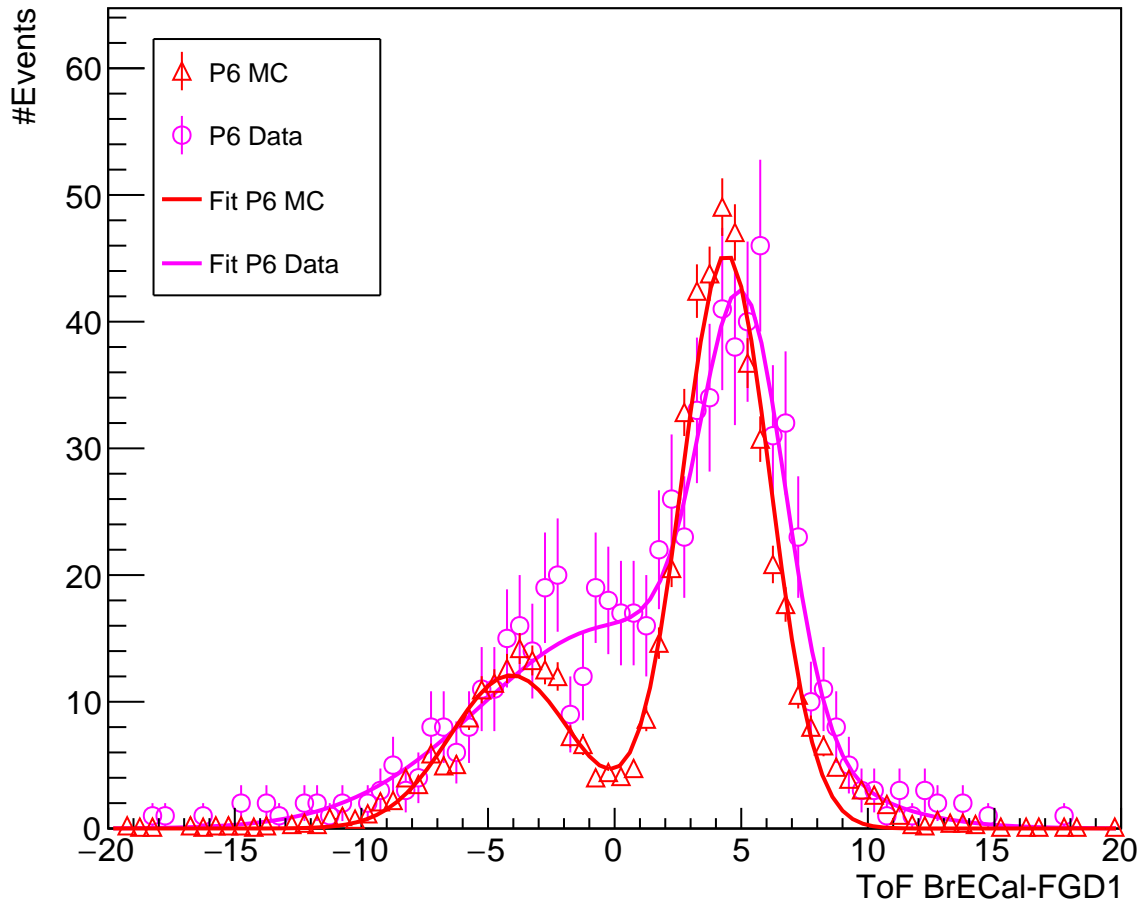
χ^2 / ndf	33.51 / 53
p0	15.92 ± 1.27
p1	$-1.887e{-}10 \pm 1.062e{+}00$
p2	5.296 ± 0.265
p3	32.36 ± 2.95
p4	5.095 ± 0.165
p5	1.66 ± 0.14

χ^2 / ndf	281.2 / 65
p0	12.09 ± 0.49
p1	-4.083 ± 0.077
p2	2.411 ± 0.088
p3	45.3 ± 1.0
p4	4.407 ± 0.032
p5	1.742 ± 0.031

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD1

Fgd1HABwd_ToF_ECal_FGD1_track
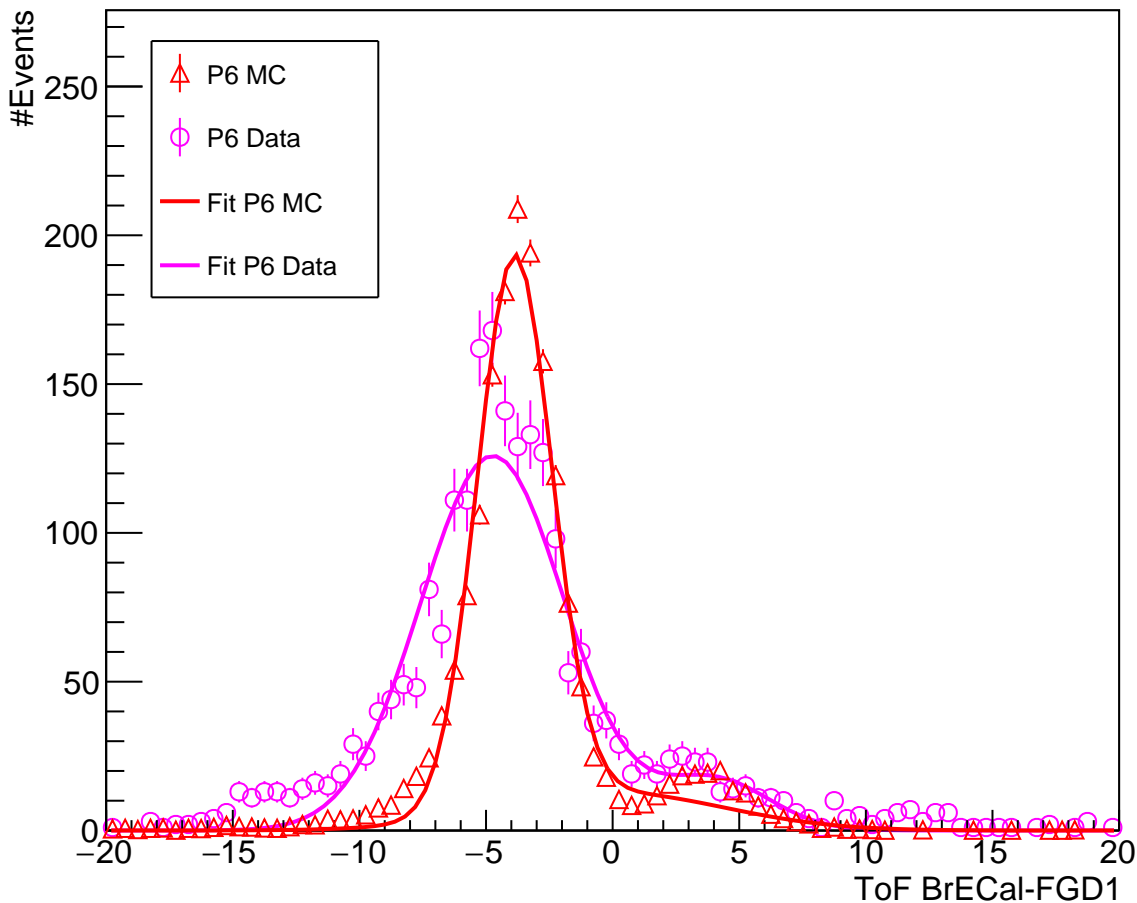
χ^2 / ndf	242 / 69
p0	125.9 ± 4.9
p1	−4.736 ± 0.078
p2	2.851 ± 0.105
p3	17.19 ± 1.94
p4	3.986 ± 0.292
p5	2.188 ± 0.237

χ^2 / ndf	1039 / 62
p0	184.9 ± 2.2
p1	−3.878 ± 0.015
p2	1.468 ± 0.014
p3	12.68 ± 0.44
p4	1.111e−12 ± 7.923e−03
p5	4.413 ± 0.065

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Fgd1HABwd_ToF_ECal_FGD1_shower
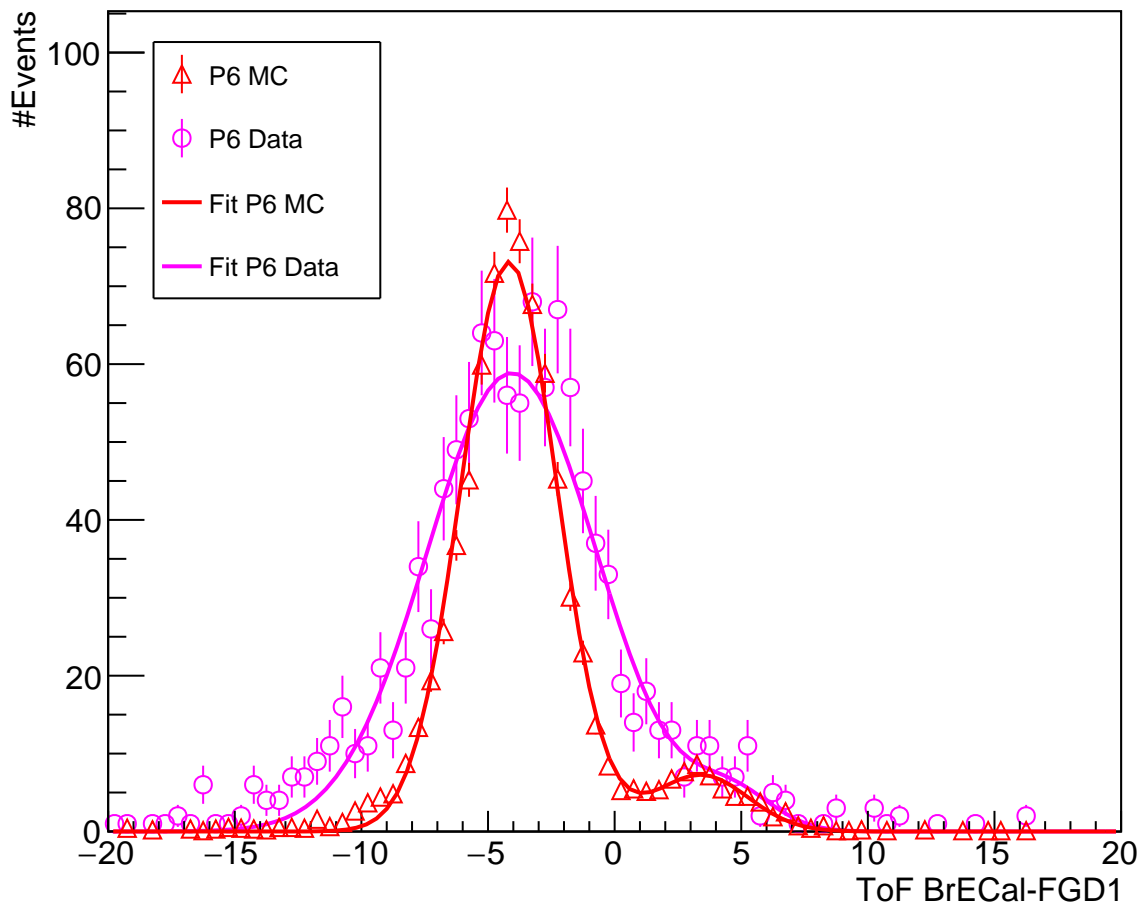
χ^2 / ndf	92.95 / 56
p0	58.87 ± 2.87
p1	−4.059 ± 0.108
p2	3.364 ± 0.144
p3	4.646 ± 1.733
p4	4.646 ± 0.505
p5	1.598 ± 0.544

χ^2 / ndf	183.8 / 56
p0	73.13 ± 1.22
p1	−4.175 ± 0.025
p2	1.9 ± 0.0
p3	7.253 ± 0.378
p4	3.402 ± 0.103
p5	1.861 ± 0.084

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD1

Fgd2Fwd_ToF_ECal_FGD2_track
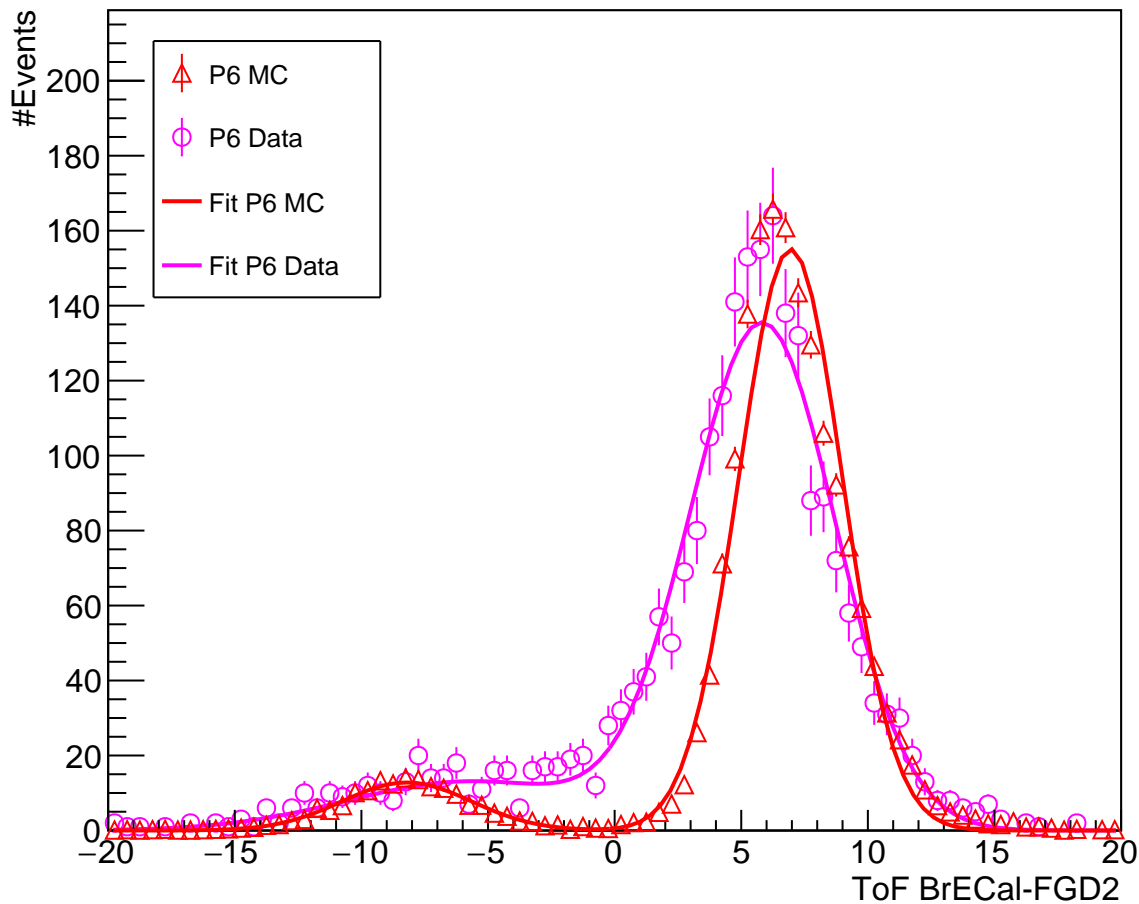
χ^2 / ndf	96.69 / 65
p0	13.1 ± 1.0
p1	−5.704 ± 0.776
p2	4.864 ± 0.592
p3	134.8 ± 4.2
p4	5.845 ± 0.084
p5	2.887 ± 0.083

χ^2 / ndf	612.7 / 73
p0	12.8 ± 0.4
p1	−8.208 ± 0.065
p2	2.56 ± 0.06
p3	155.1 ± 1.7
p4	6.951 ± 0.019
p5	2.05 ± 0.01

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD2

Fgd2Fwd_ToF_ECal_FGD2_shower
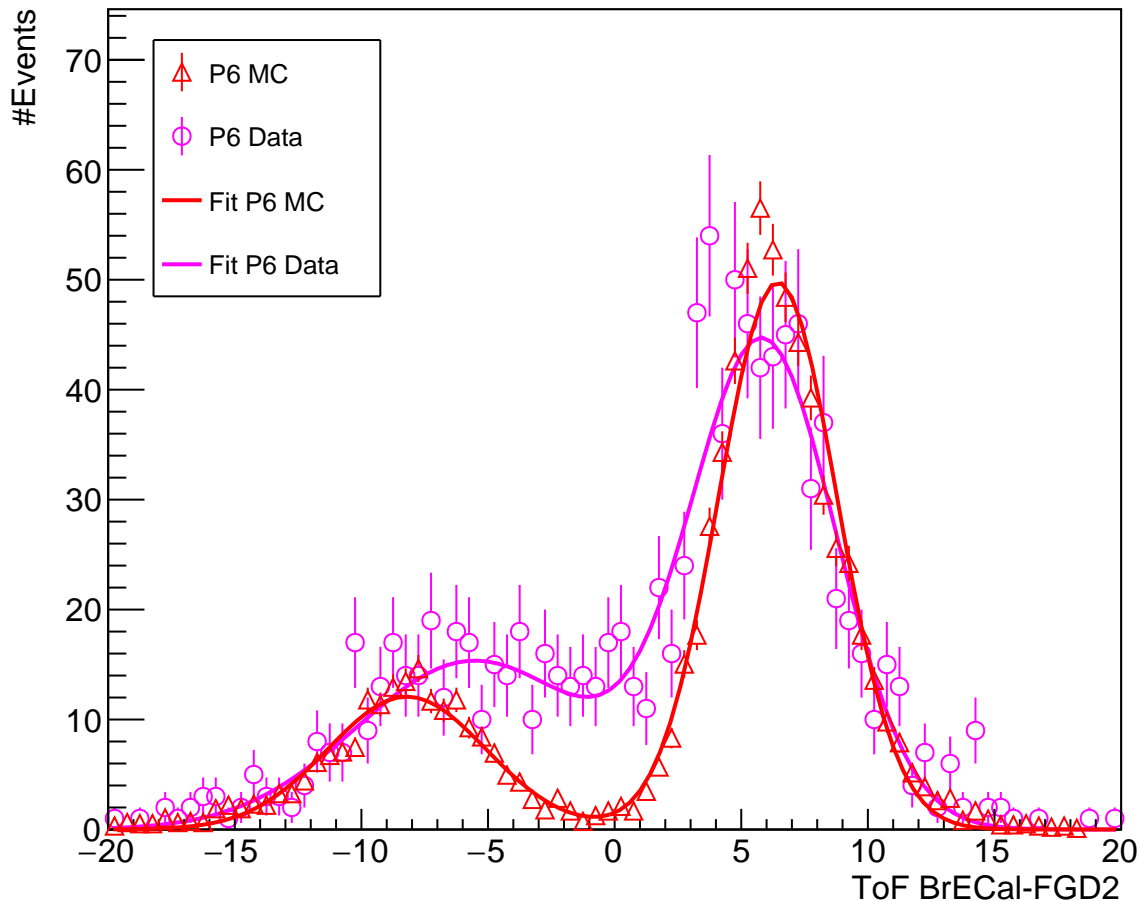
χ^2 / ndf	79.63 / 67
p0	15.34 ± 1.13
p1	−5.55 ± 0.53
p2	4.633 ± 0.448
p3	44 ± 2.4
p4	5.875 ± 0.167
p5	2.888 ± 0.154

χ^2 / ndf	241.4 / 71
p0	12.08 ± 0.40
p1	−8.205 ± 0.079
p2	3.116 ± 0.075
p3	49.77 ± 0.88
p4	6.442 ± 0.034
p5	2.345 ± 0.028

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

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

Fgd2Fwd_ToF_DSECal_FGD2_track
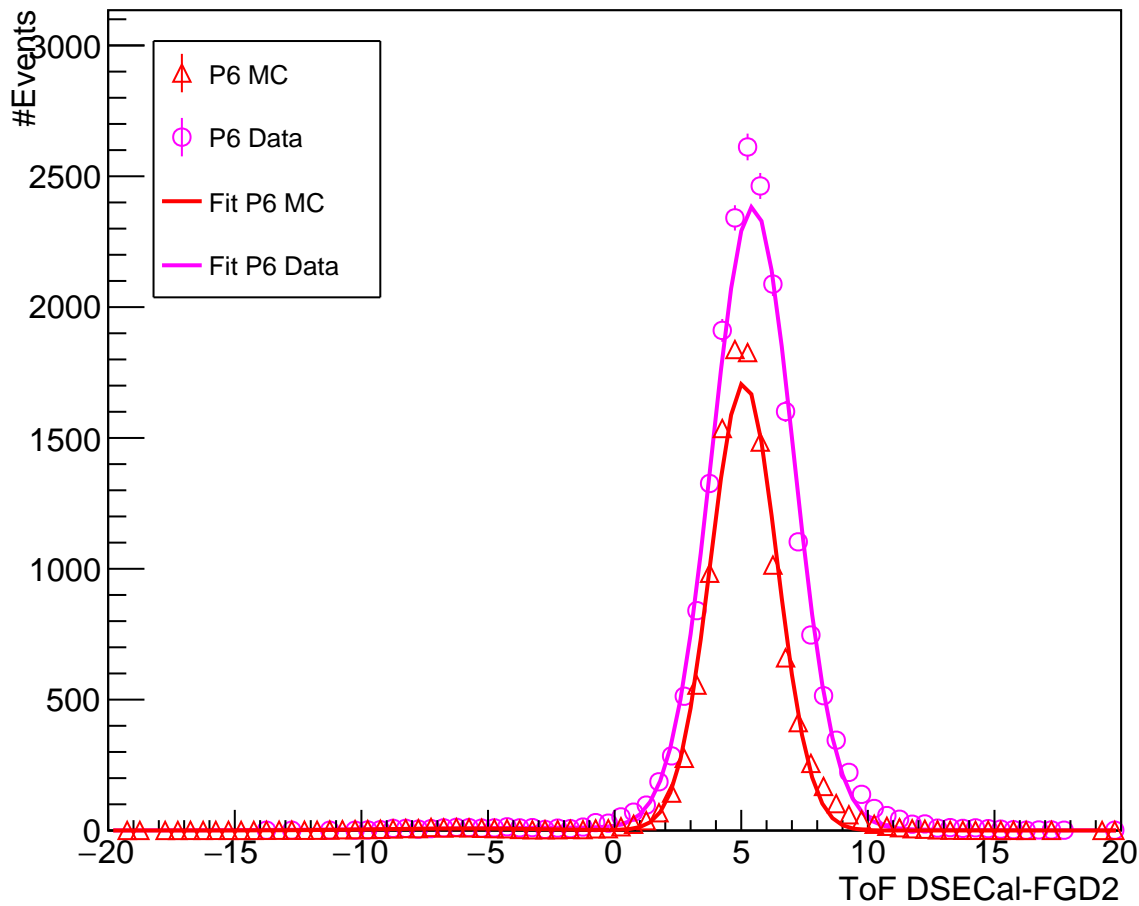
χ^2 / ndf	447.4 / 55
p0	10.86 ± 1.07
p1	−4.2e−11± 3.9e−02
p2	−7.561 ± 0.576
p3	2375 ± 23.5
p4	5.454 ± 0.012
p5	1.607 ± 0.011

χ^2 / ndf	3612 / 68
p0	7.432 ± 0.379
p1	−5.956 ± 0.172
p2	3.437 ± 0.171
p3	1711 ± 7.2
p4	5.104 ± 0.004
p5	1.306 ± 0.004

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF DSECal-FGD2

Fgd2Fwd_ToF_DSECal_FGD2_shower
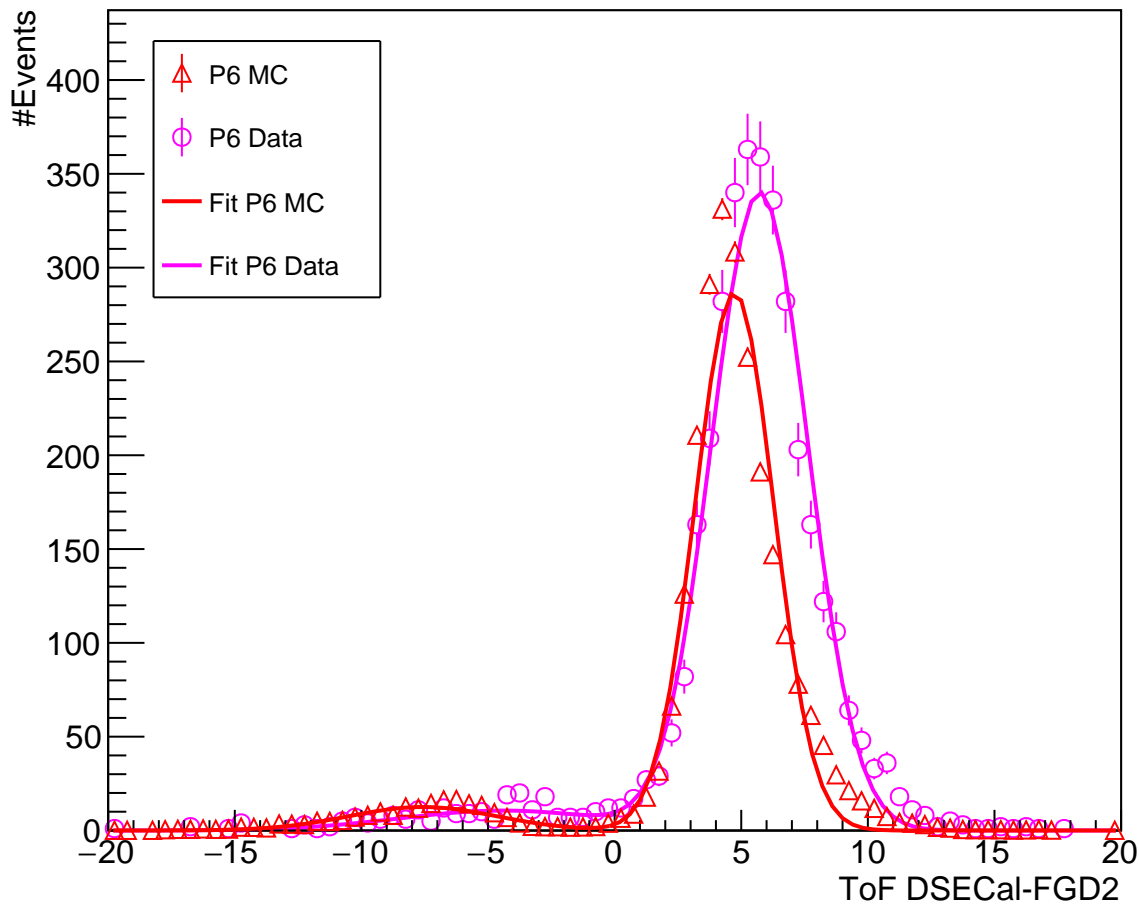
χ^2 / ndf	148.9 / 59
p0	10.6 ± 1.0
p1	−4.406 ± 0.499
p2	4.098 ± 0.470
p3	339.7 ± 8.2
p4	5.732 ± 0.037
p5	1.905 ± 0.034

χ^2 / ndf	1587 / 69
p0	12.51 ± 0.44
p1	−7.574 ± 0.078
p2	2.922 ± 0.080
p3	286.8 ± 2.8
p4	4.73 ± 0.01
p5	1.554 ± 0.011

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Y-axis: #Events

X-axis: ToF DSECal-FGD2

Fgd2Bwd_ToF_FGD1_FGD2
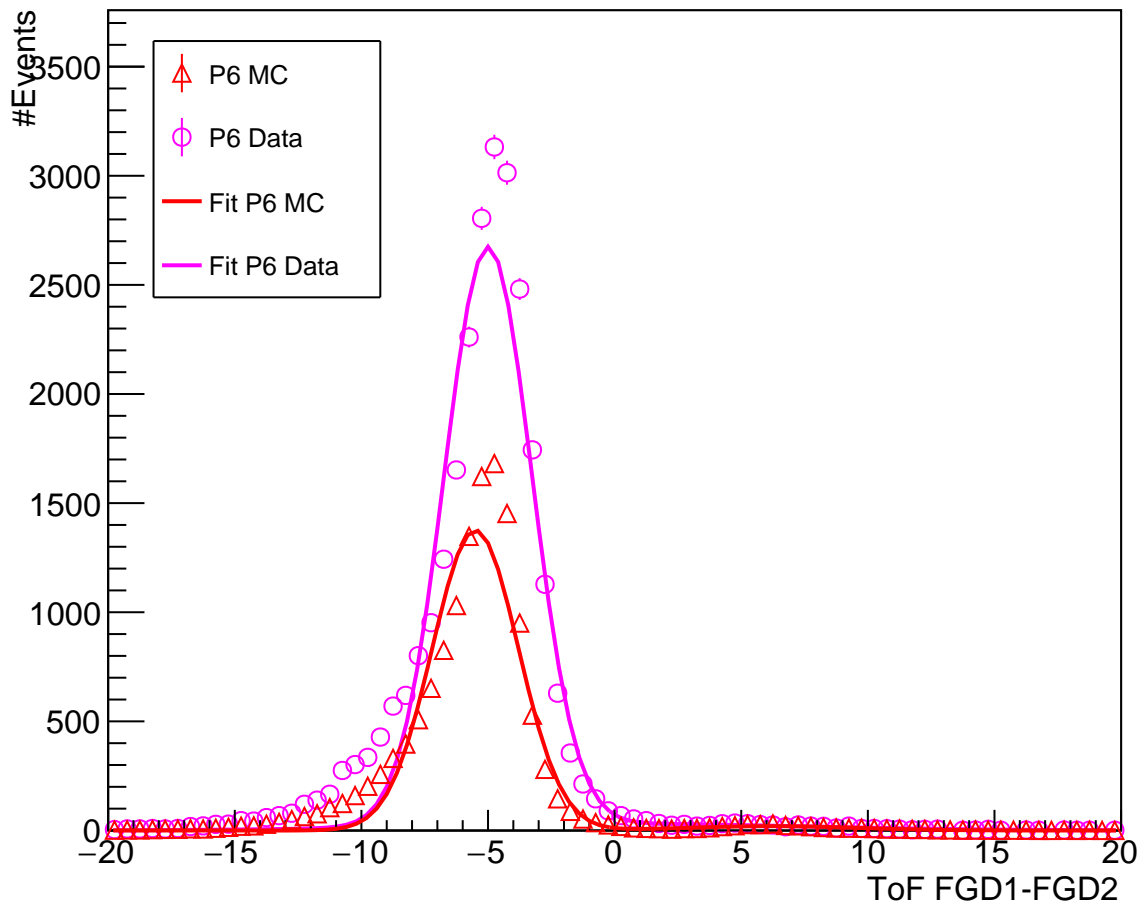
χ^2 / ndf	2482 / 70
p0	2650 ± 27.3
p1	-5.002 ± 0.014
p2	1.733 ± 0.014
p3	30.75 ± 1.70
p4	$1.11\mathrm{e}{-11} \pm 1.05\mathrm{e}{-02}$
p5	-7.585 ± 0.214

χ^2 / ndf	1.364e+04 / 74
p0	1376 ± 6.1
p1	-5.501 ± 0.006
p2	1.704 ± 0.006
p3	19.65 ± 0.51
p4	6.197 ± 0.069
p5	3.389 ± 0.080

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF FGD1-FGD2

Fgd2Bwd_ToF_ECal_FGD2_track
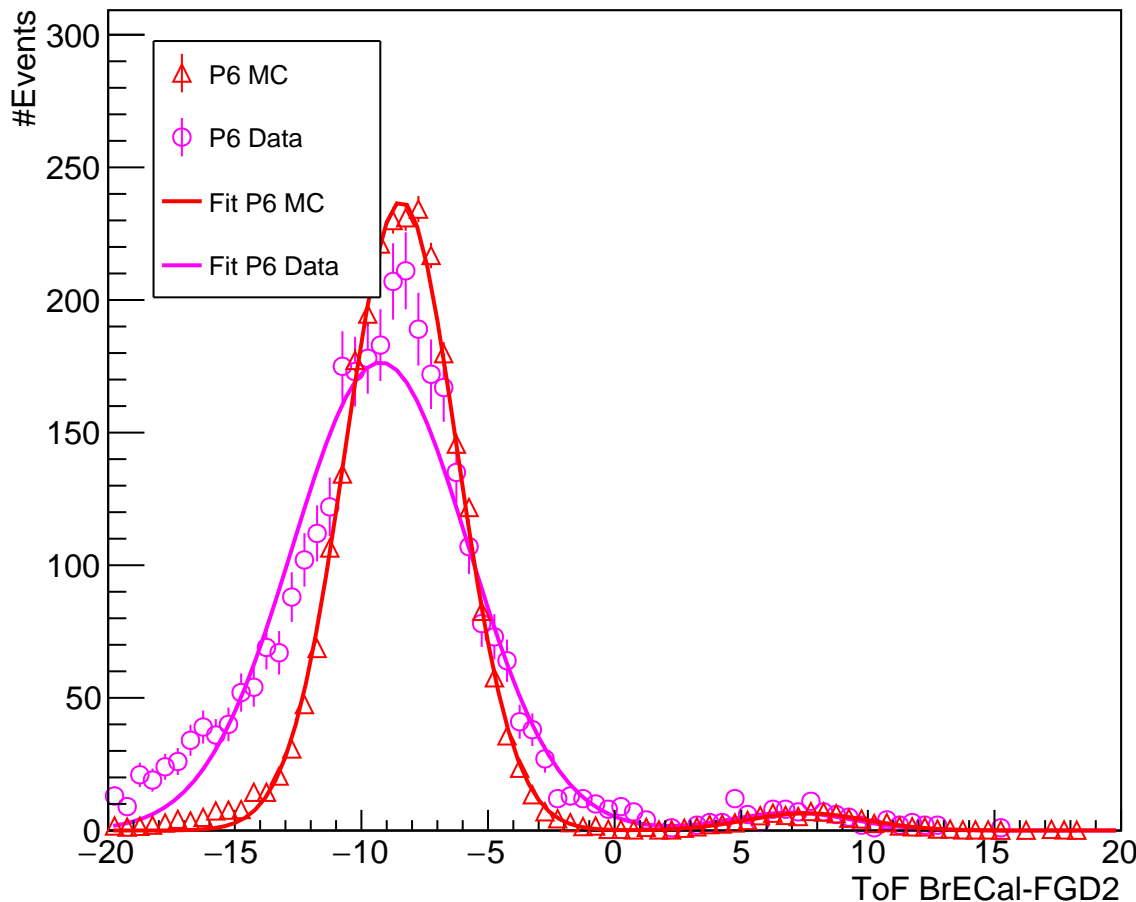
χ^2 / ndf	170.7 / 59
p0	176.5 ± 4.5
p1	−9.243 ± 0.069
p2	3.475 ± 0.064
p3	6.725 ± 1.234
p4	6.973 ± 0.308
p5	2.402 ± 0.427

χ^2 / ndf	441 / 69
p0	237.1 ± 1.9
p1	−8.429 ± 0.014
p2	2.206 ± 0.011
p3	6.461 ± 0.306
p4	7.595 ± 0.089
p5	−2.366 ± 0.070

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD2

Fgd2Bwd_ToF_ECal_FGD2_shower
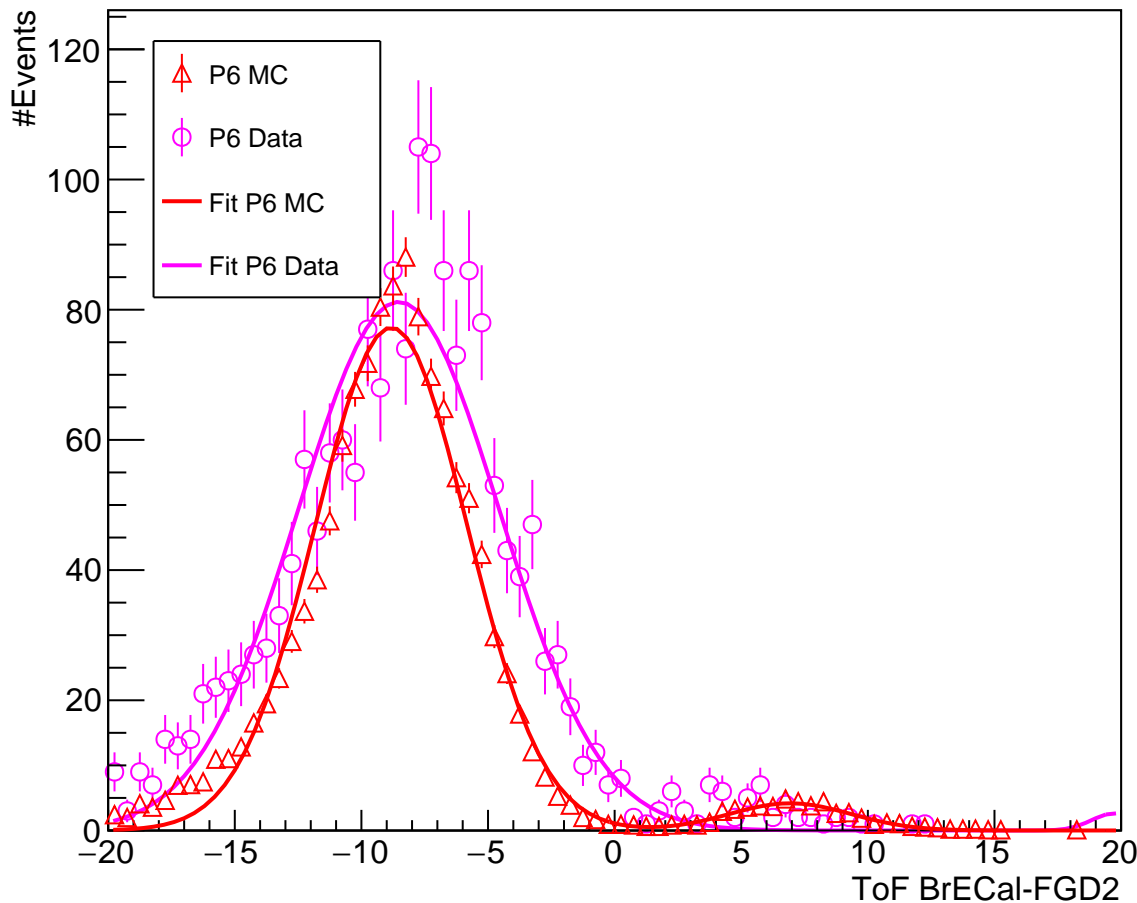
χ^2 / ndf	140.1 / 57
p0	81.2 ± 1.2
p1	-8.526 ± 0.108
p2	3.972 ± 0.071
p3	2.633 ± 1.414
p4	19.73 ± 15.25
p5	0.8842 ± 1.4142

χ^2 / ndf	396.4 / 66
p0	77.26 ± 0.98
p1	-8.82 ± 0.03
p2	3 ± 0.0
p3	4.176 ± 0.265
p4	6.933 ± 0.118
p5	2.395 ± 0.113

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Axis labels: #Events, ToF BrECal-FGD2

Fgd2HAFwd_ToF_ECal_FGD2_track
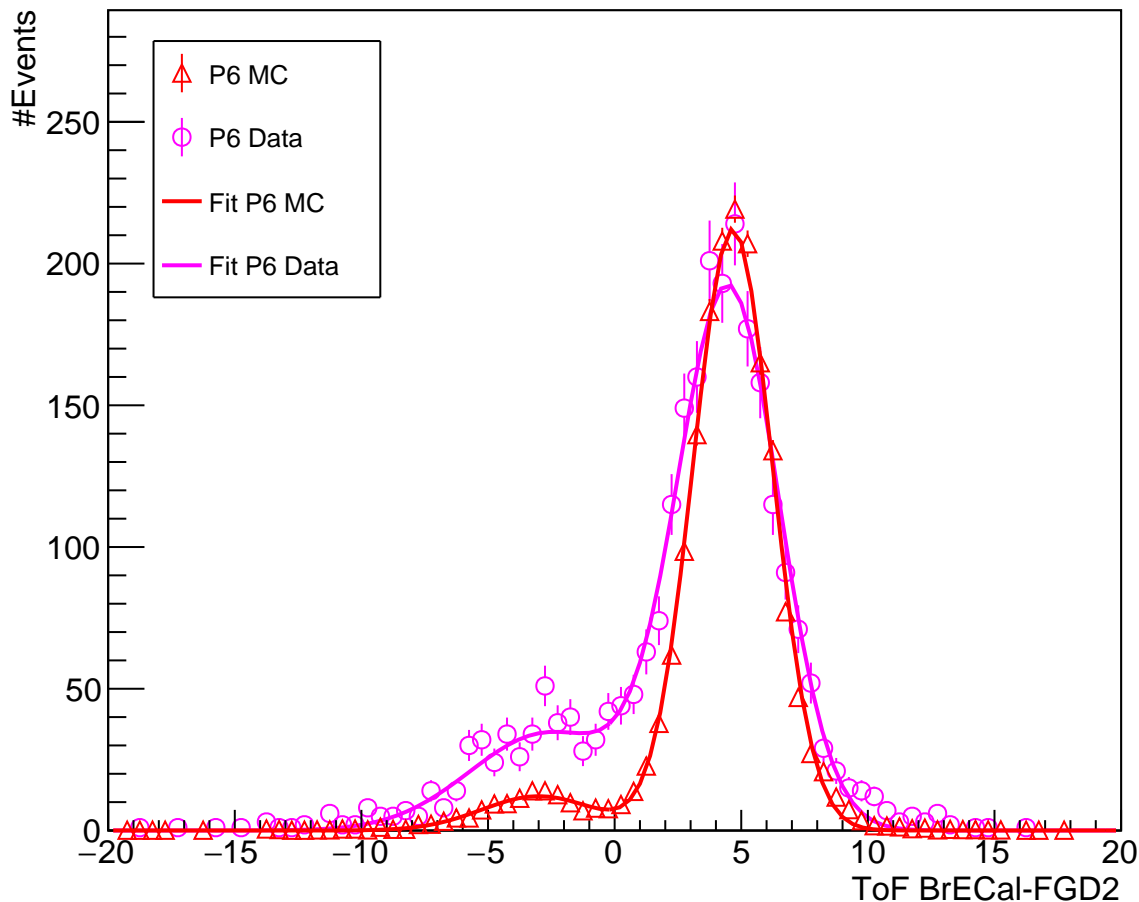
χ^2 / ndf	92.54 / 55
p0	34.36 ± 2.30
p1	−2.629 ± 0.416
p2	3.085 ± 0.352
p3	190.3 ± 6.2
p4	4.497 ± 0.075
p5	2.012 ± 0.063

χ^2 / ndf	241.1 / 61
p0	12.1 ± 0.5
p1	−2.998 ± 0.094
p2	2.25 ± 0.08
p3	212.2 ± 2.2
p4	4.666 ± 0.013
p5	1.572 ± 0.012

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD2

Fgd2HAFwd_ToF_ECal_FGD2_shower
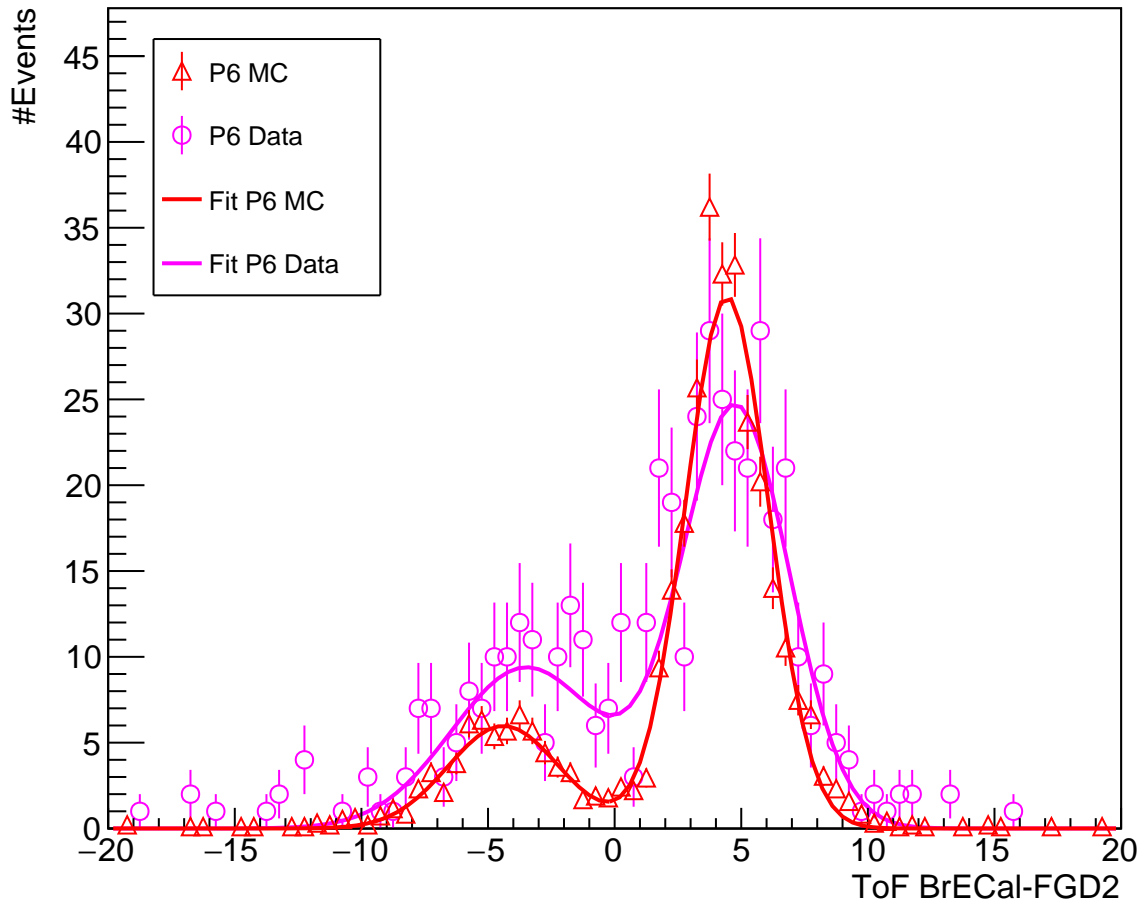
χ^2 / ndf	63.95 / 47
p0	9.381 ± 1.139
p1	-3.495 ± 0.459
p2	2.944 ± 0.438
p3	24.54 ± 2.03
p4	4.781 ± 0.192
p5	2.129 ± 0.162

χ^2 / ndf	140.2 / 55
p0	5.976 ± 0.325
p1	-4.391 ± 0.098
p2	2.187 ± 0.093
p3	30.98 ± 0.87
p4	4.44 ± 0.04
p5	1.654 ± 0.033

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

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

Fgd2HABwd_ToF_ECal_FGD2_track
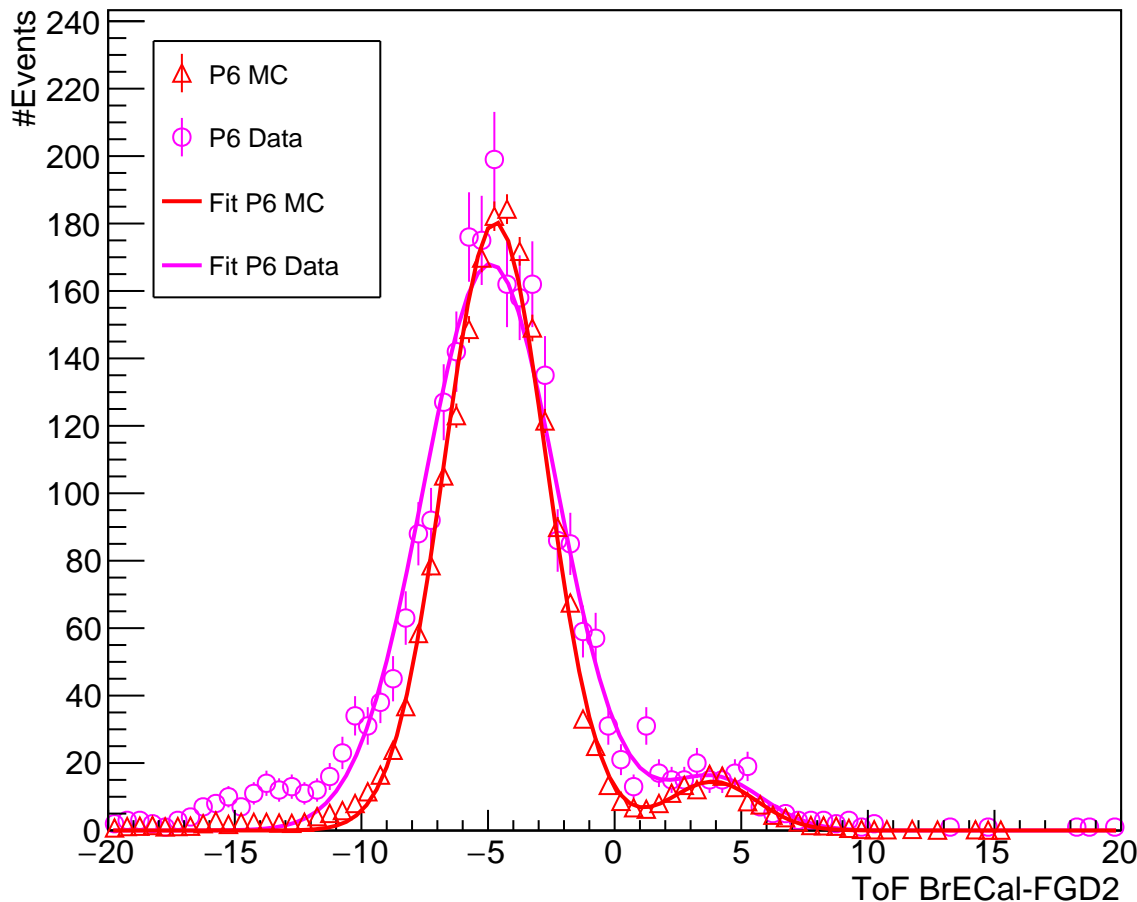
χ^2 / ndf	172.4 / 60
p0	168.1 ± 5.2
p1	−4.908 ± 0.061
p2	2.635 ± 0.066
p3	15.7 ± 2.0
p4	3.905 ± 0.246
p5	1.923 ± 0.262

χ^2 / ndf	517.4 / 61
p0	180.5 ± 1.8
p1	−4.709 ± 0.016
p2	2.018 ± 0.013
p3	14.48 ± 0.59
p4	3.882 ± 0.061
p5	1.727 ± 0.062

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

Y-axis: #Events

X-axis: ToF BrECal-FGD2

Fgd2HABwd_ToF_ECal_FGD2_shower
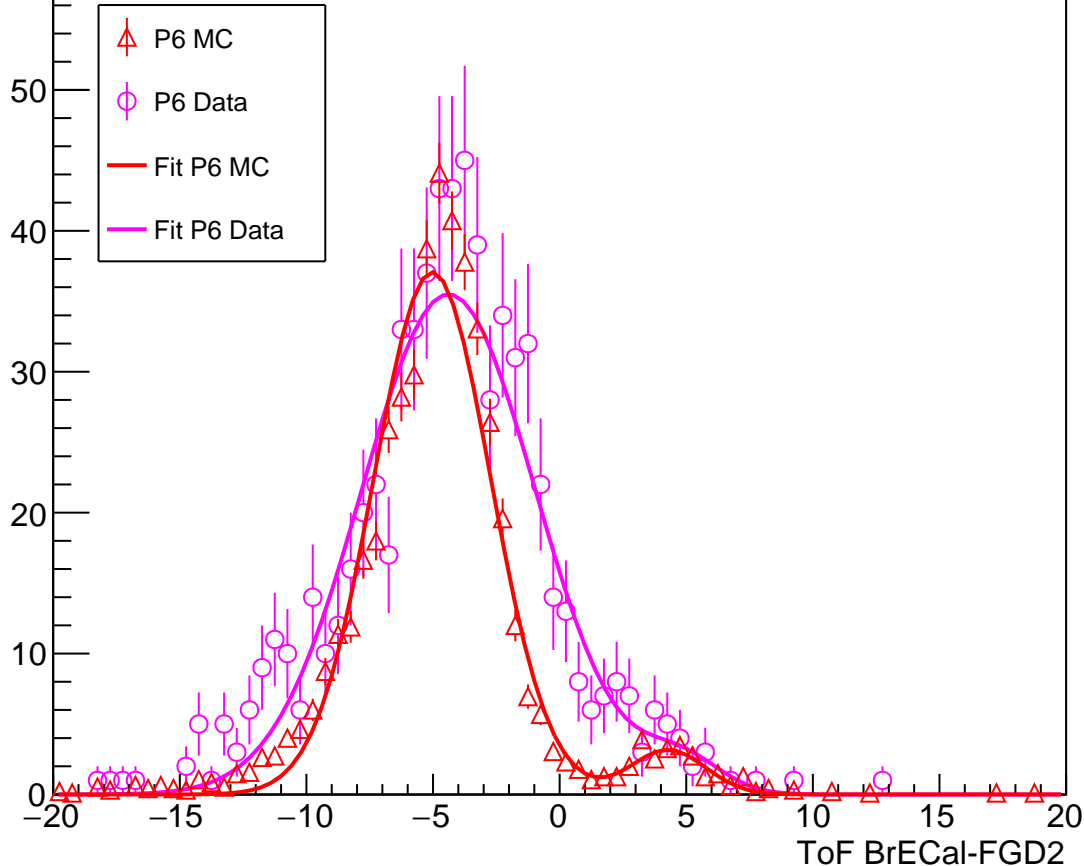
χ^2 / ndf	54.83 / 44
p0	35.5 ± 2.2
p1	−4.386 ± 0.156
p2	3.442 ± 0.182
p3	2.435 ± 1.159
p4	4.774 ± 0.856
p5	1.566 ± 0.764

χ^2 / ndf	257.8 / 54
p0	37.07 ± 0.82
p1	−5.031 ± 0.041
p2	2.307 ± 0.037
p3	3.156 ± 0.293
p4	4.283 ± 0.118
p5	1.481 ± 0.114

Legend:
- P6 MC
- P6 Data
- Fit P6 MC
- Fit P6 Data

#Events

ToF BrECal-FGD2