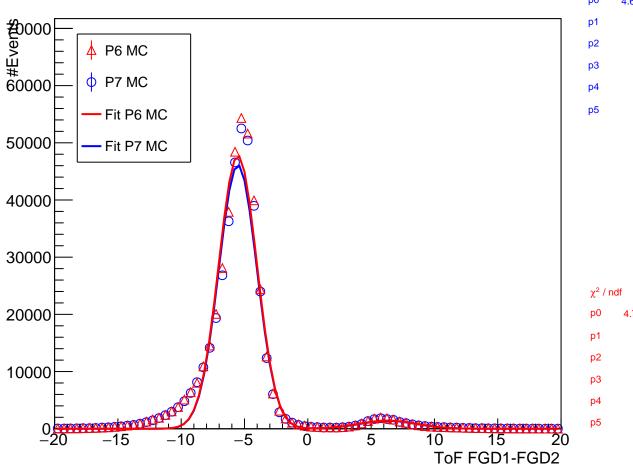
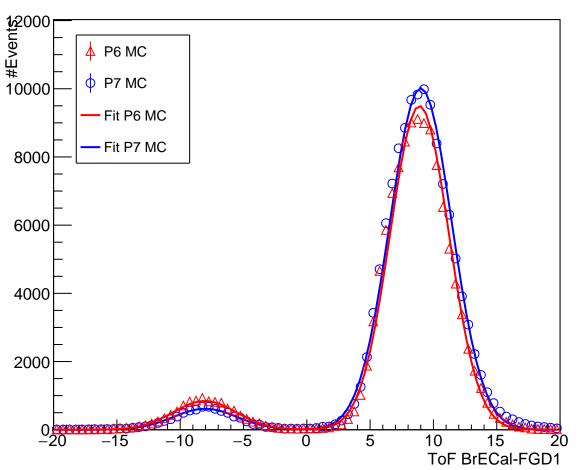
Fgd1Fwd_ToF_FGD1_FGD2



 χ^2 / ndf 3.649e+04 / 74 p0 4.612e+04 ± 1.137e+02 -5.523 ± 0.003 1.502 ± 0.003 1362 ± 19.7 6.336 ± 0.019 -2.258 ± 0.027 2.706e+04 / 74 4.775e+04 ± 1.351e+02 -5.526 ± 0.003 1.5 ± 0.0 1424 ± 24.5 6.276 ± 0.022

 -2.258 ± 0.033

Fgd1Fwd_ToF_ECal_FGD1_track



p2 2.534 ± 0.026 p3 1.002e+04 ± 3.506e+01 9.002 ± 0.007 **p5** 2.449 ± 0.005 χ^2 / ndf 1160 / 74 p0 843.4 ± 12.7 -8.064 ± 0.029 p1 p2 2.498 ± 0.025 9498 ± 41.0 p3 8.902 ± 0.009 p4

 2.318 ± 0.006

 χ^2 / ndf

p0

p5

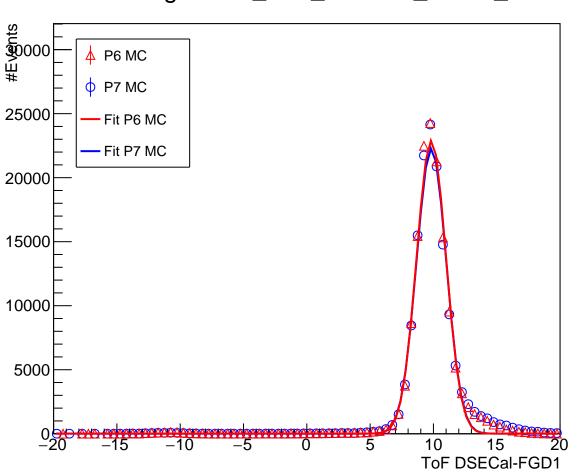
1669 / 74

 614.6 ± 9.1

 -8.028 ± 0.029

Fgd1Fwd_ToF_ECal_FGD1_shower χ^2 / ndf 908.7 / 74 p0 842.8 ± 10.8 \$200 \$2000 \$2000 p1 -8.456 ± 0.028 p2 2.702 ± 0.024 ▲ P6 MC p3 1367 ± 12.7 ♦ P7 MC p4 8.182 ± 0.022 1800 **p5** 2.904 ± 0.017 Fit P6 MC 1600 Fit P7 MC 1400 1200 1000 800 χ^2 / ndf 507.3 / 74 p0 581.4 ± 10.0 600 -8.353 ± 0.039 p1 400 p2 2.892 ± 0.035 1716 ± 15.9 p3 200 p4 8.408 ± 0.022 **p5** 2.876 ± 0.016 -10 -5 5 10 15 ToF BrECal-FGD1

Fgd1Fwd_ToF_DSECal_FGD1_track



 $-1.39e-05 \pm 1.93e+01$ 847.9 ± 10.6 2.228e+04 ± 8.429e+01 9.837 ± 0.003 1.171 ± 0.003 χ^2 / ndf 6109 / 70 p0 8.006 ± 0.419 -0.7318 ± 0.8659

 1230 ± 5.4

 9.833 ± 0.004

 1.155 ± 0.003

 $2.289e+04 \pm 9.916e+01$

1.045e+04 / 70

 8.004 ± 0.360

 χ^2 / ndf

p0

p2

p3

p4

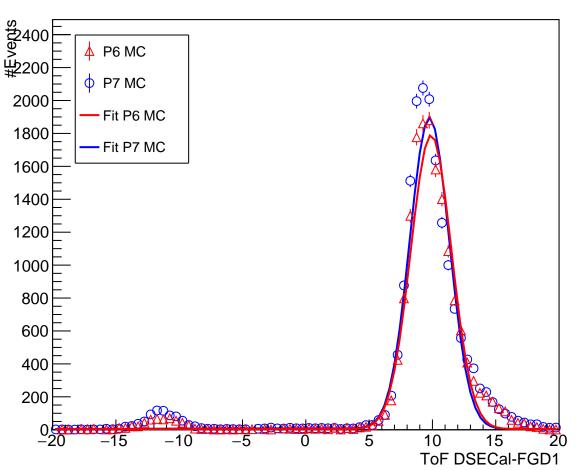
p5

p3

p4

p5

Fgd1Fwd_ToF_DSECal_FGD1_shower



 $-1.381e-09 \pm 8.008e-02$

 χ^2 / ndf

p0

p2

p3

p4

p5

 χ^2 / ndf

p0

p1 p2

p3

p4 **p5**

 1890 ± 22.2 9.767 ± 0.016 1.561 ± 0.013

2139 / 73

 8.215 ± 0.543

 -15.83 ± 1.38

1098 / 69

 3.85 ± 0.31

 661.6 ± 8.8

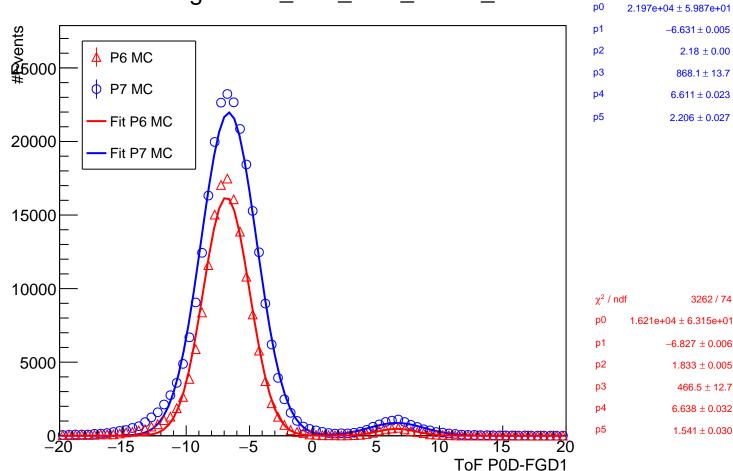
 1787 ± 23.6

 9.895 ± 0.018

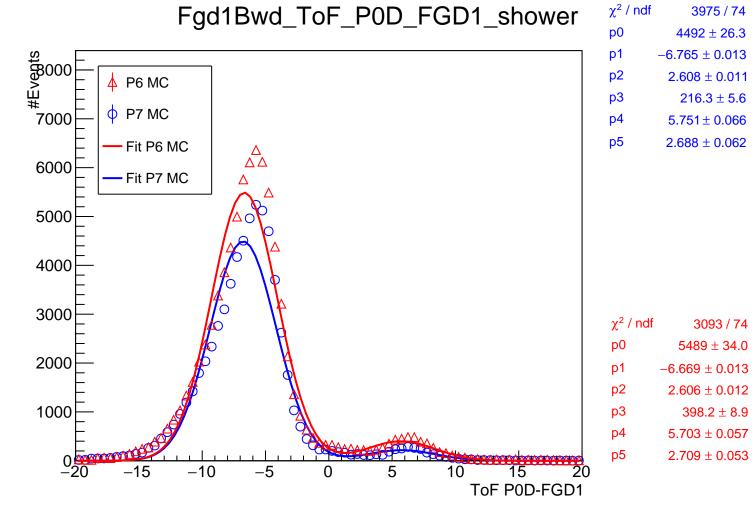
 1.611 ± 0.015

 -3.002 ± 0.755

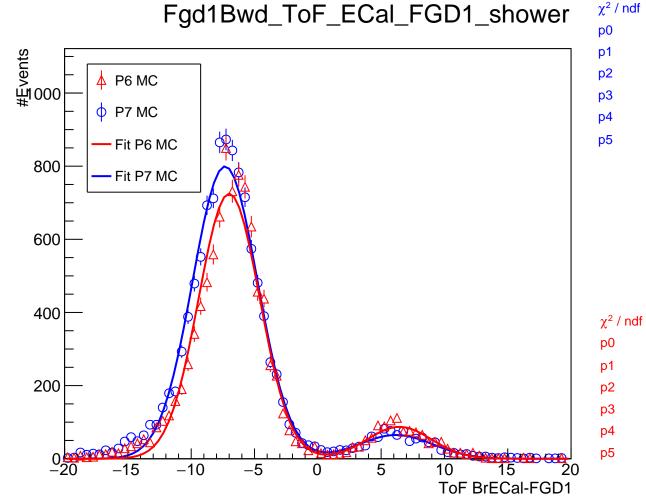
Fgd1Bwd_ToF_P0D_FGD1_track



 χ^2 / ndf 6511 / 74 2.197e+04 ± 5.987e+01 -6.631 ± 0.005 2.18 ± 0.00 868.1 ± 13.7 6.611 ± 0.023 2.206 ± 0.027 3262 / 74 $1.621e+04 \pm 6.315e+01$ -6.827 ± 0.006 1.833 ± 0.005 466.5 ± 12.7 6.638 ± 0.032



Fgd1Bwd_ToF_ECal_FGD1_track χ^2 / ndf 658.2 / 74 p0 1291 ± 14.8 \$1600 #1400 p1 -6.756 ± 0.019 p2 2.098 ± 0.016 ▲ P6 MC p3 260.1 ± 6.4 ♦ P7 MC p4 6.897 ± 0.047 **p5** 2.452 ± 0.043 Fit P6 MC 1200 Fit P7 MC 1000 800 600 χ^2 / ndf 404.8 / 66 p0 1190 ± 16.7 400 -6.75 ± 0.02 p1 p2 2.005 ± 0.018 200 207.6 ± 6.4 p3 p4 6.886 ± 0.058 **p5** 2.24 ± 0.04 -15 -10 -5 5 ToF BrECal-FGD1



309.1 / 67

 725.1 ± 12.0 -6.998 ± 0.032

 2.408 ± 0.028 87.23 ± 4.04

 6.44 ± 0.09

 2.537 ± 0.083

353.1 / 72

 799.6 ± 10.7

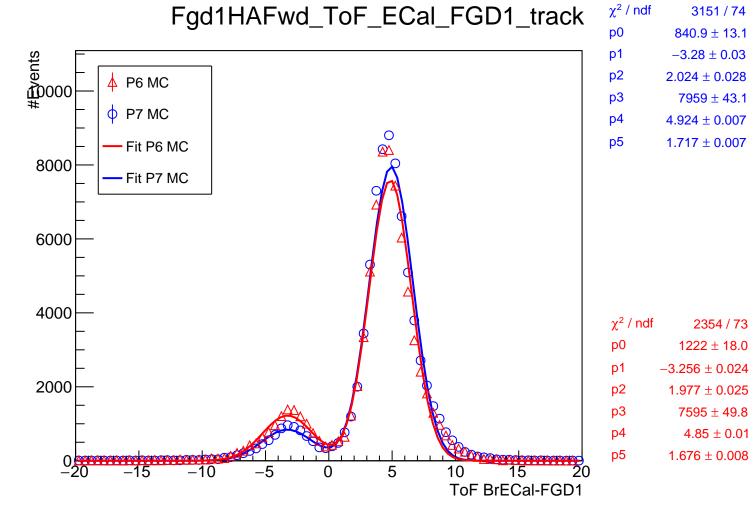
 2.57 ± 0.02

 64.95 ± 2.97

 6.174 ± 0.107

 2.919 ± 0.106

 -7.325 ± 0.026



χ^2 / ndf Fgd1HAFwd_ToF_ECal_FGD1_shower 999.9 / 74 p0 1133 ± 14.9 #Events 009 1600 p1 -4.107 ± 0.021 p2 2.008 ± 0.021 ▲ P6 MC p3 1029 ± 14.3 ♦ P7 MC p4 4.668 ± 0.023 **p5** 2.038 ± 0.023 Fit P6 MC 1400 Fit P7 MC 1200 1000 800 χ^2 / ndf 674 / 71 600 p0 710.9 ± 14.2 -4.015 ± 0.032 p1 400 p2 2.022 ± 0.032 1345 ± 20.3 p3 200 p4 4.471 ± 0.021 **p5** 1.702 ± 0.019 -10-5 ToF BrECal-FGD1

Fgd1HABwd_ToF_ECal_FGD1_track χ^2 / ndf p0 #Events p1 -3.862 ± 0.008 p2 1.685 ± 0.008 ▲ P6 MC p3 ♦ P7 MC 8000 p4 3.848 ± 0.018 **p5** 1.656 ± 0.019 Fit P6 MC 7000 Fit P7 MC 6000 5000 4000 χ^2 / ndf 3000 p0 -3.812 ± 0.010 p1 2000 p2 p3 1000 $4.15e-10 \pm 2.95e-03$ p4 p5 -10-5-15

3090 / 74

 5950 ± 37.1

 1290 ± 17.9

4339 / 71

 6599 ± 47.8

 1.467 ± 0.008 577 ± 10.0

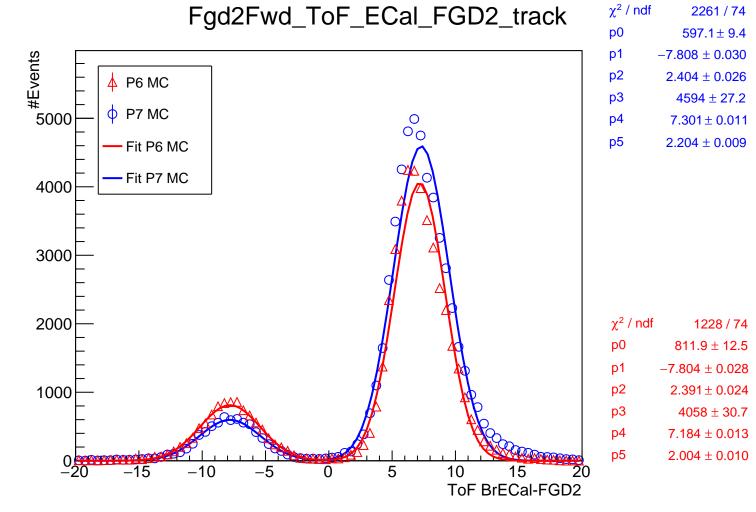
 4.426 ± 0.028

ToF BrECal-FGD1

χ^2 / ndf Fgd1HABwd_ToF_ECal_FGD1_shower p0 3142 ± 24.8 **p1** -4.233 ± 0.012 p2 1.925 ± 0.011 ▲ P6 MC p3 282.8 ± 7.7 ♦ P7 MC \Diamond p4 3.785 ± 0.046 **p5** 1.846 ± 0.048 Fit P6 MC 3000 Fit P7 MC 2500 2000 1500 χ^2 / ndf 1306 / 67 p0 2437 ± 26.4 1000 -4.279 ± 0.017 1.714 ± 0.014 500 p3 179.1 ± 5.9 $1.107e-10 \pm 2.815e-02$ p5 4.293 ± 0.052 -10-5-15

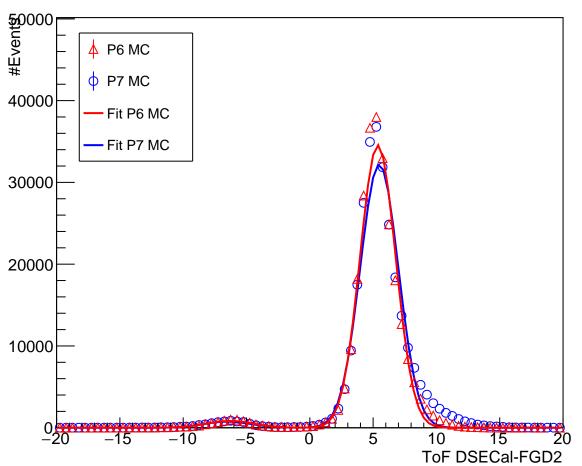
ToF BrECal-FGD1

1104 / 73



Fgd2Fwd_ToF_ECal_FGD2_shower χ^2 / ndf 940.1 / 74 p0 735.6 ± 10.3 #Events 000 800 p1 -8.029 ± 0.028 p2 2.591 ± 0.026 ▲ P6 MC p3 852.3 ± 10.9 ♦ P7 MC p4 6.708 ± 0.028 **p5** 2.649 ± 0.023 1400 Fit P6 MC Fit P7 MC 1200 1000 800 χ^2 / ndf 556 / 74 600 p0 542.2 ± 10.1 -8.041 ± 0.040 400 p1 p2 2.785 ± 0.038 1260 ± 15.9 p3 200 p4 6.659 ± 0.024 **p5** 2.384 ± 0.020 -10 -5 10 15 ToF BrECal-FGD2

Fgd2Fwd_ToF_DSECal_FGD2_track



p3 $3.223e+04 \pm 9.278e+01$ p4 5.488 ± 0.004 **p5** 1.509 ± 0.003 χ^2 / ndf 7269 / 70 p0 829.6 ± 16.7 -6.278 ± 0.025 p2 1.835 ± 0.028 p3 $3.456e+04 \pm 1.081e+02$

1.997e+04 / 74

 -6.504 ± 0.024

 743.7 ± 12.9

 -1.86 ± 0.02

 5.373 ± 0.004

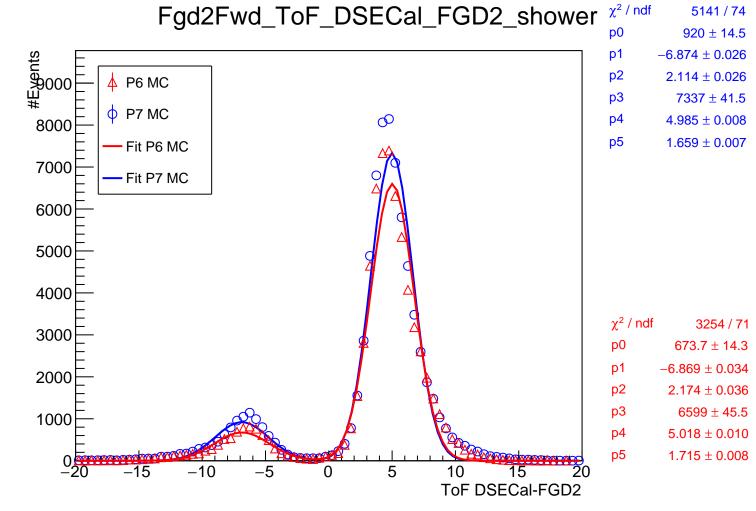
 1.404 ± 0.003

 χ^2 / ndf

p0

p2

p5



Fgd2Bwd_ToF_FGD1_FGD2

 χ^2 / ndf

3.578e+04 / 74

 -5.981 ± 0.005

 1.94 ± 0.00

 992.8 ± 15.7

 6.291 ± 0.024

 -2.308 ± 0.031

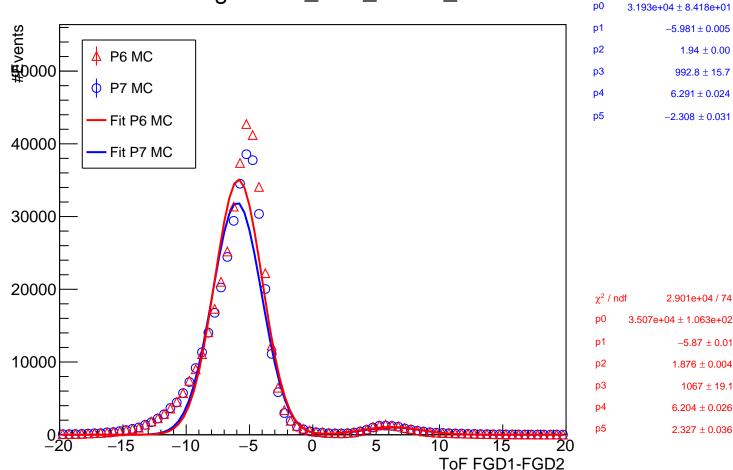
2.901e+04 / 74

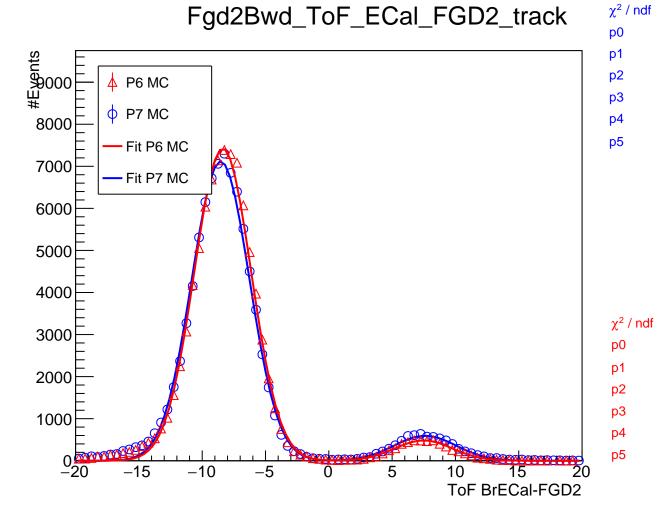
 -5.87 ± 0.01

 1.876 ± 0.004

 2.327 ± 0.036

 1067 ± 19.1 6.204 ± 0.026





1944 / 74

 7117 ± 32.2

 -8.543 ± 0.008

 2.278 ± 0.007

 591.8 ± 9.3

 7.61 ± 0.03

1216 / 72

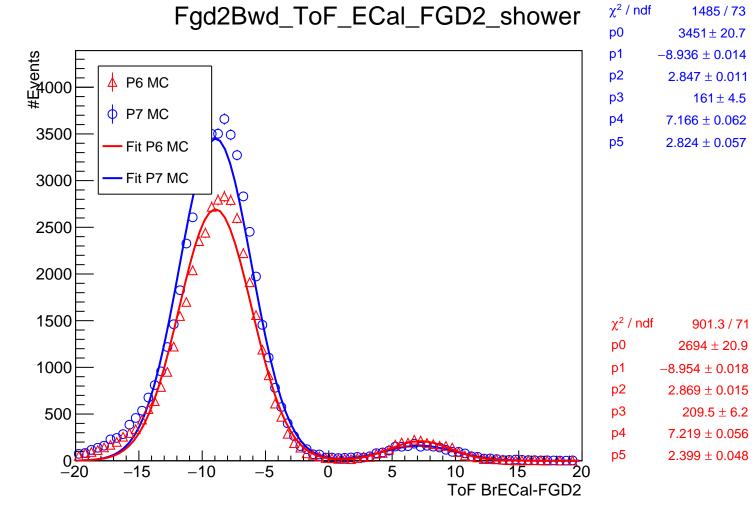
 7425 ± 38.2 -8.378 ± 0.009

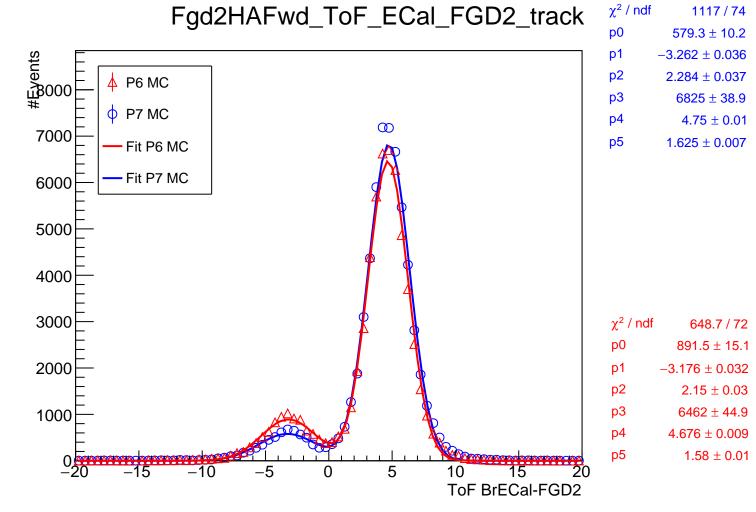
> 2.241 ± 0.007 481.6 ± 9.8

 7.486 ± 0.036

 2.27 ± 0.03

 2.451 ± 0.026





χ^2 / ndf Fgd2HAFwd_ToF_ECal_FGD2_shower 473.9 / 73 p0 625.5 ± 10.7 #Event\$ p1 -4.576 ± 0.028 p2 2.03 ± 0.03 ▲ P6 MC p3 713.2 ± 12.1 ♦ P7 MC p4 4.592 ± 0.025 1000 **p5** 1.902 ± 0.025 Fit P6 MC Fit P7 MC 800 600 χ^2 / ndf 240 / 62 400 398.2 ± 10.1 p0 -4.444 ± 0.039 p1 p2 1.927 ± 0.035 200 882.3 ± 16.0 p3 p4 4.476 ± 0.024 **p5** 1.655 ± 0.021 -10 -5 ToF BrECal-FGD2

