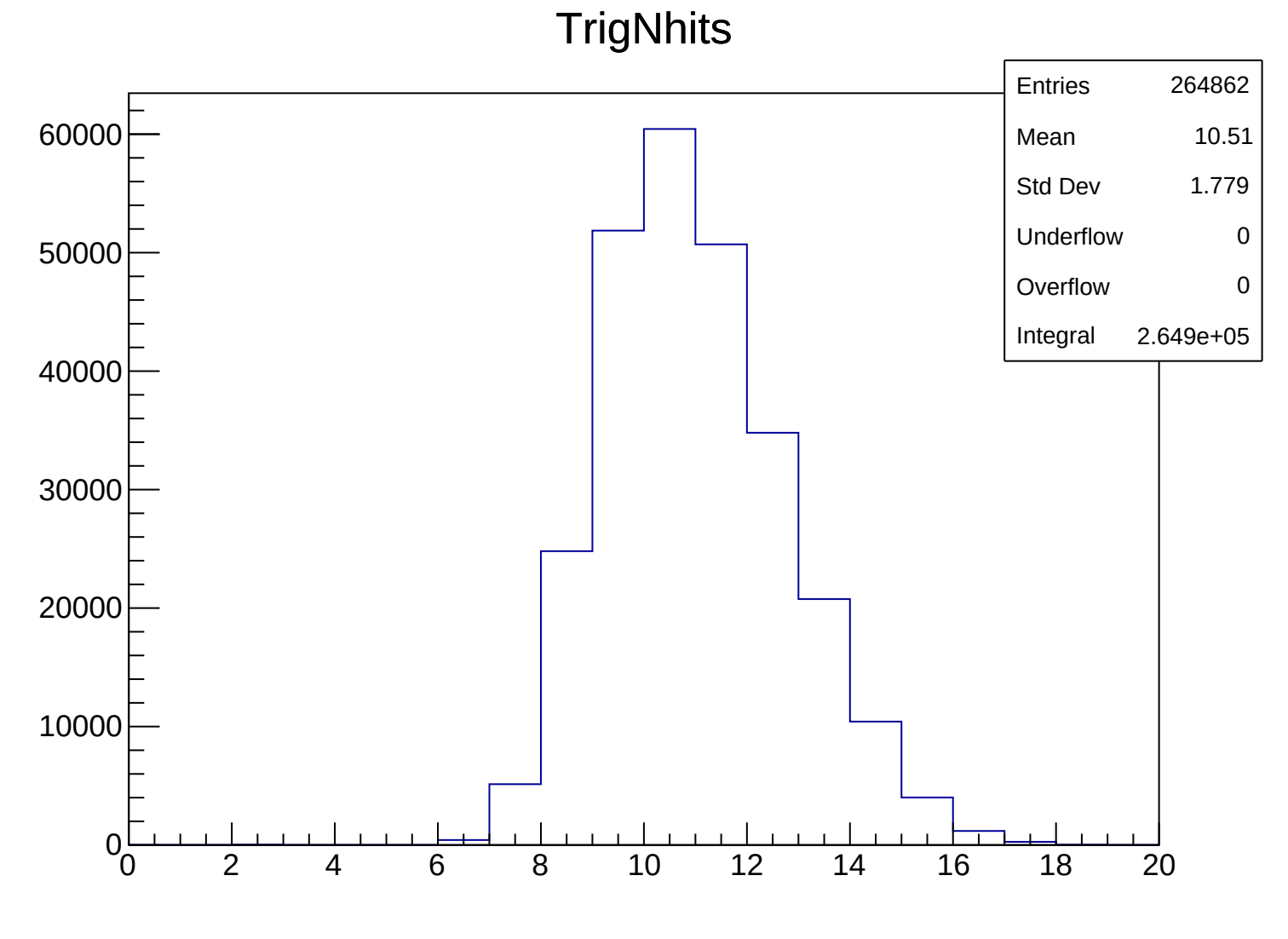
TrigNhits
Entries 264862
Mean 10.51
Std Dev 1.779
Underflow 0
Overflow 0
Integral 2.649e+05
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20000
10000
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0
2
4
6
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10
12
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18
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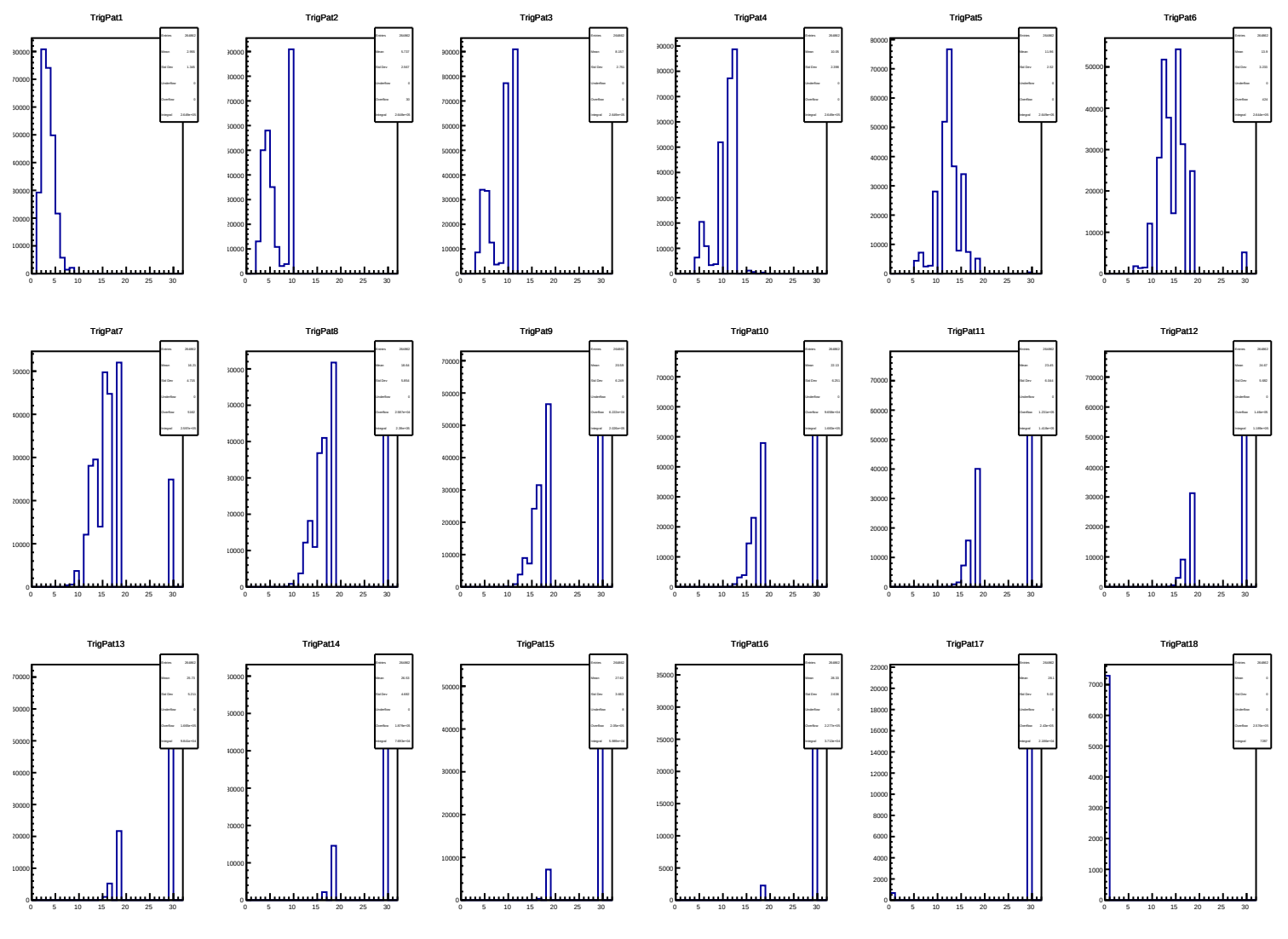
TrigPat1
TrigPat2
TrigPat3
TrigPat4
TrigPat5
TrigPat6
TrigPat7
TrigPat8
TrigPat9
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TrigPat14
TrigPat15
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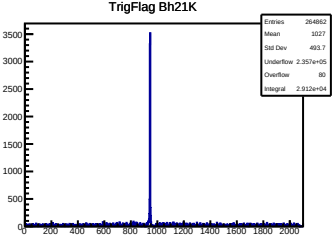
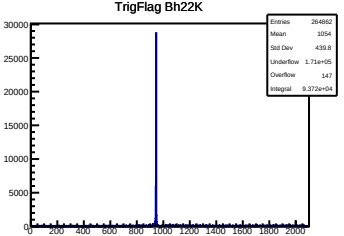
TrigPat17
TrigPat18

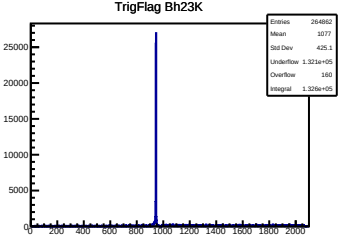
TrigFlag Bh21K



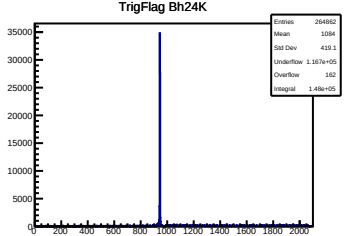
TrigFlag Bh22K



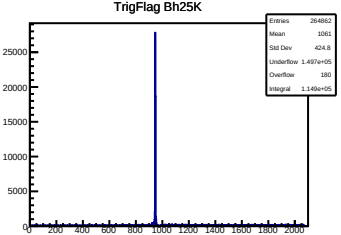
TrigFlag Bh23K



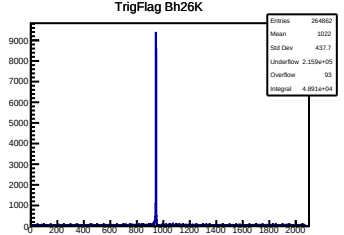
TrigFlag Bh24K



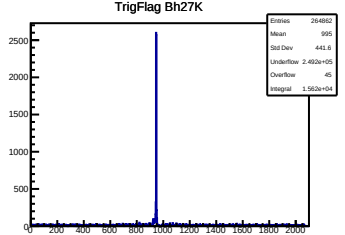
TrigFlag Bh25K



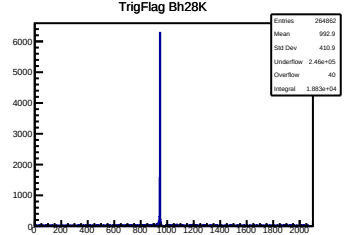
TrigFlag Bh26K



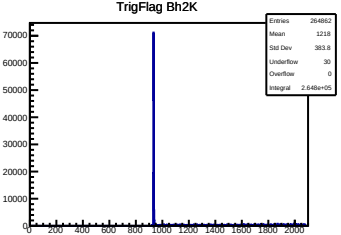
TrigFlag Bh27K



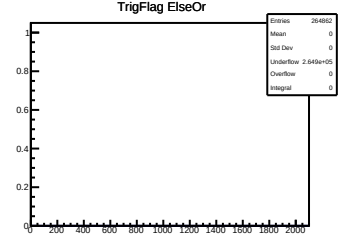
TrigFlag Bh28K



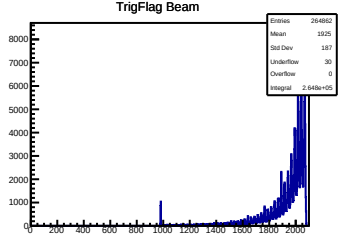
TrigFlag Bh2K



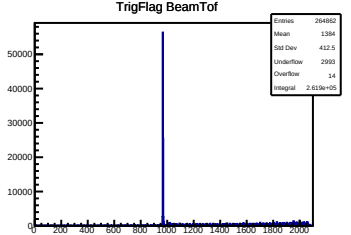
TrigFlag ElseOr



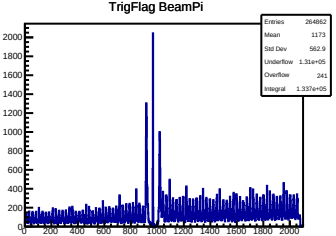
TrigFlag Beam



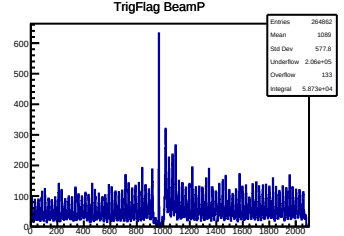
TrigFlag BeamTof



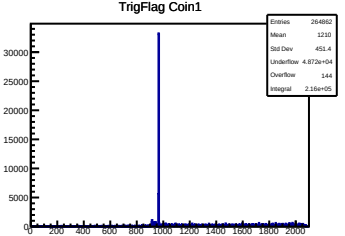
TrigFlag BeamPi



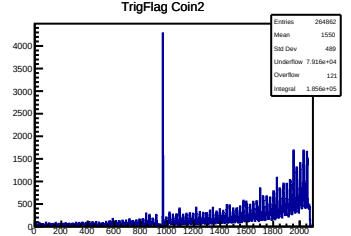
TrigFlag BeamP



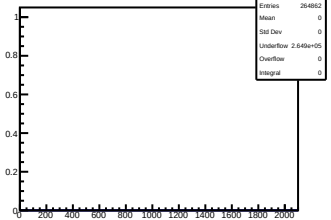
TrigFlag Coin1



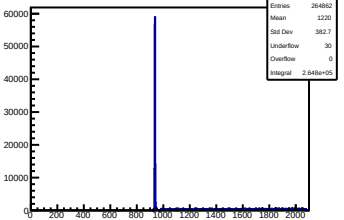
TrigFlag Coin2



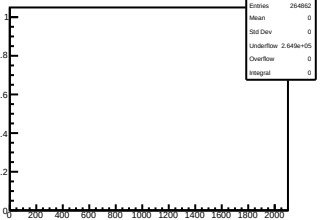
TrigFlag E03



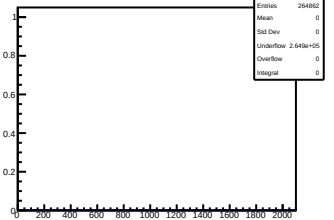
TrigFlag Bh2KPs



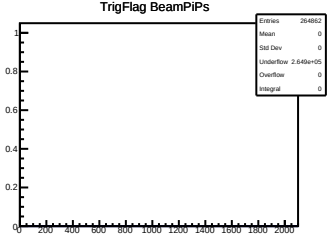
TrigFlag BeamPs



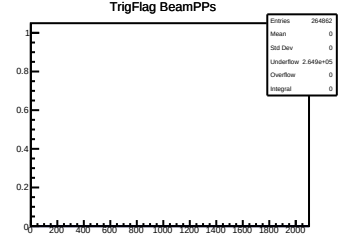
TrigFlag BeamTofPs



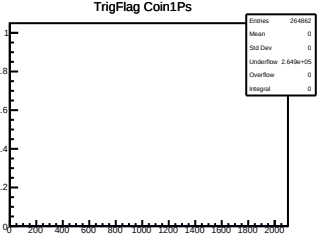
TrigFlag BeamPiPs



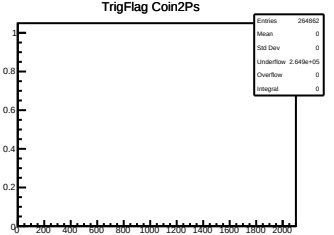
TrigFlag BeamPPs



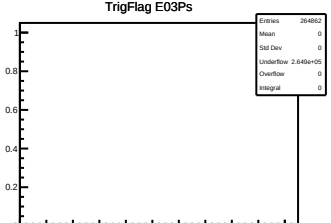
TrigFlag Coin1Ps



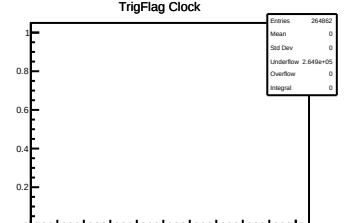
TrigFlag Coin2Ps



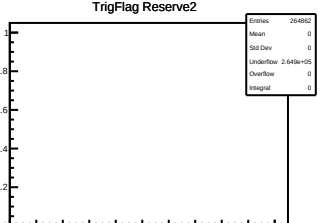
TrigFlag E03Ps



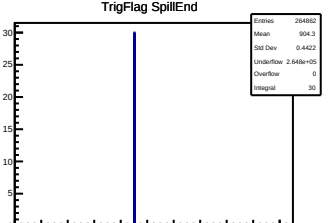
TrigFlag Clock



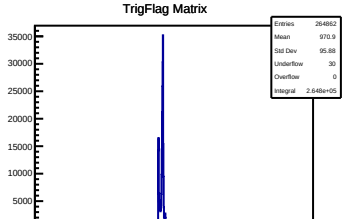
TrigFlag Reserve2



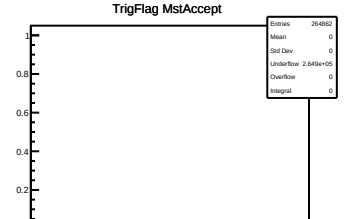
TrigFlag SpillEnd



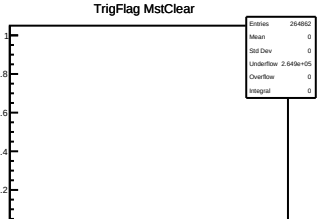
TrigFlag Matrix



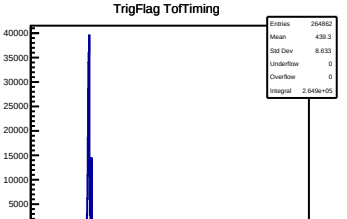
TrigFlag MstAccept

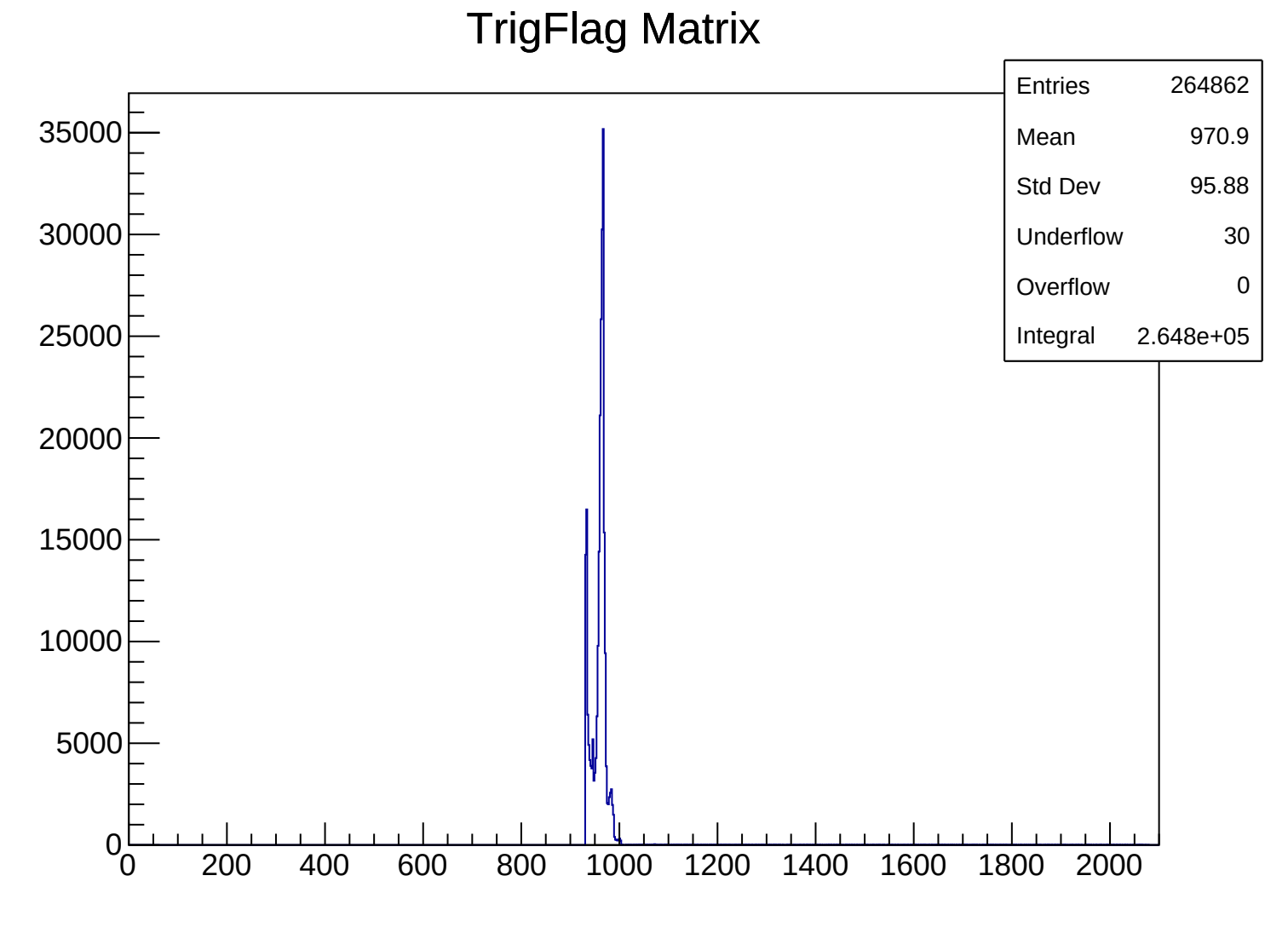


TrigFlag MstClear



TrigFlag TofTiming




TrigFlag Matrix
Entries 264862
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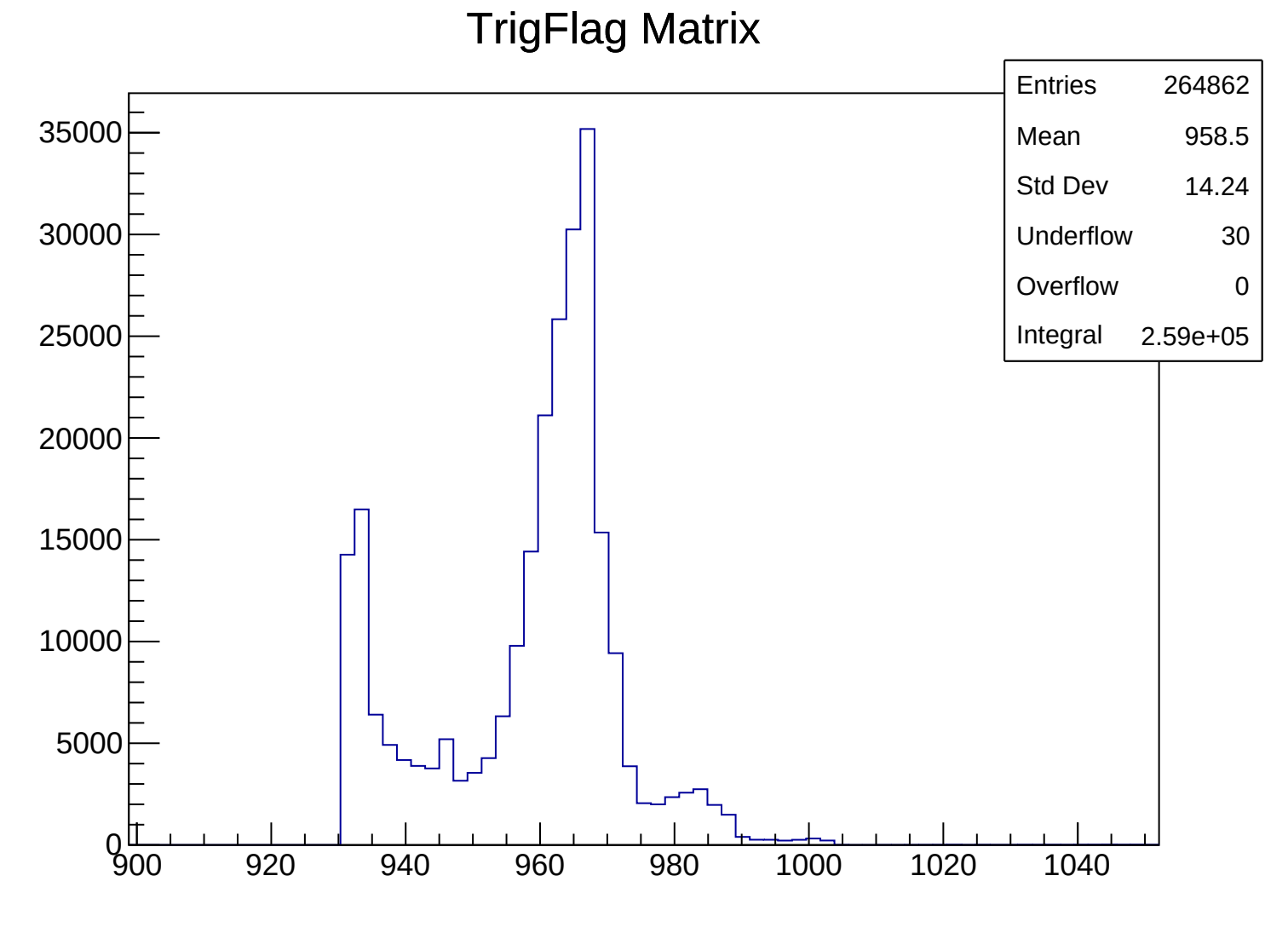
TrigFlag Matrix
Entries 264862
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Std Dev 14.24
Underflow 30
Overflow 0
Integral 2.59e+05
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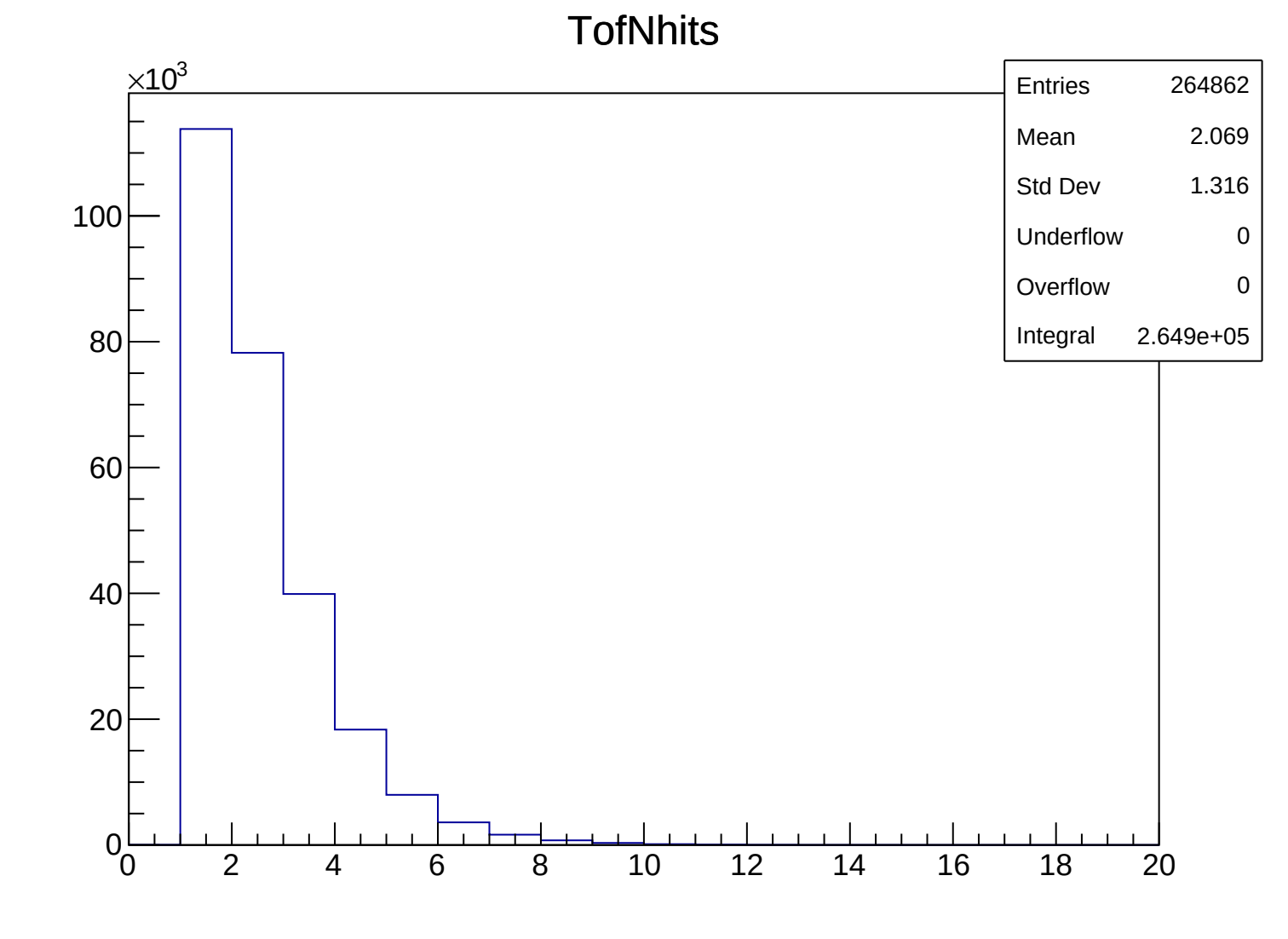
TofNhits
×10^3
100
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60
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20
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2
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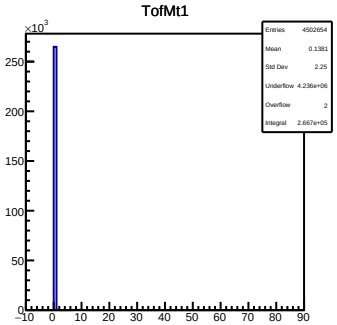
16
18
20
Entries 264862
Mean 2.069
Std Dev 1.316
Underflow 0
Overflow 0
Integral 2.649e+05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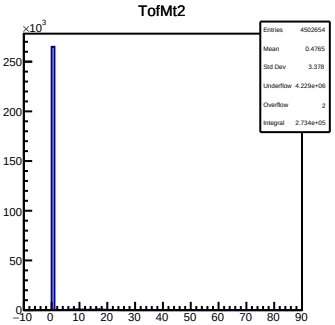
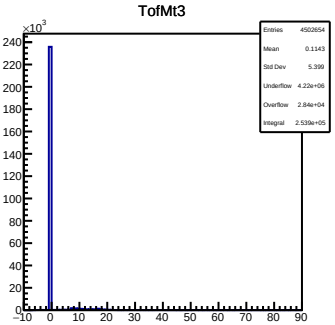
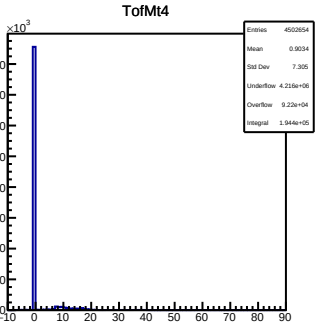
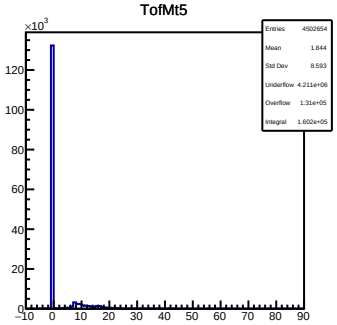
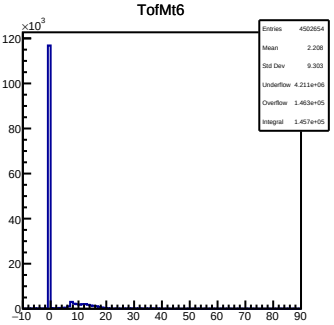
Entries 4502654
Mean 0.1381
Std Dev 2.25
Underflow 4.236e+06
Overflow 2
Integral 2.667e+05

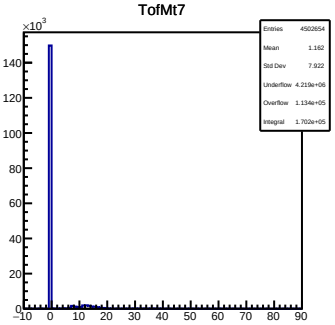

TofMt2
Entries 4502654
Mean 0.4765
Std Dev 3.378
Underflow 4.229e+06
Overflow 2
Integral 2.734e+05

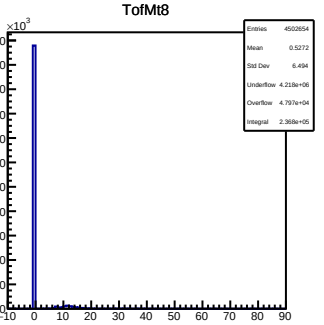

TofMt3
Entries 4502654
Mean 0.1143
Std Dev 5.399
Underflow 4.22e+06
Overflow 2.84e+04
Integral 2.539e+05


TofMt4
Entries 4502654
Mean 0.9034
Std Dev 7.305
Underflow 4.216e+06
Overflow 9.22e+04
Integral 1.944e+05


TofMt5
Entries 4502654
Mean 1.844
Std Dev 8.593
Underflow 4.211e+06
Overflow 1.31e+05
Integral 1.602e+05


TofMt6
Entries 4502654
Mean 2.208
Std Dev 9.303
Underflow 4.211e+06
Overflow 1.463e+05
Integral 1.457e+05


TofMt7
Entries 4502654
Mean 1.162
Std Dev 7.922
Underflow 4.219e+06
Overflow 1.134e+05
Integral 1.702e+05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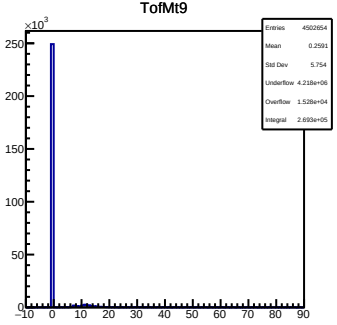
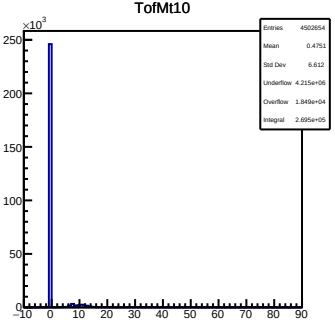
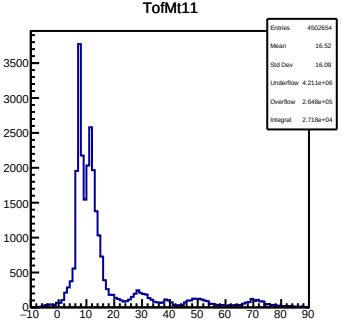
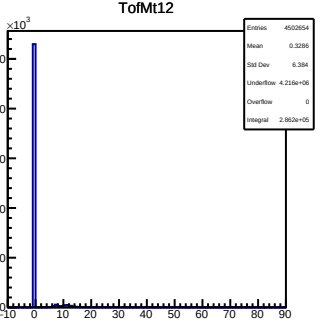
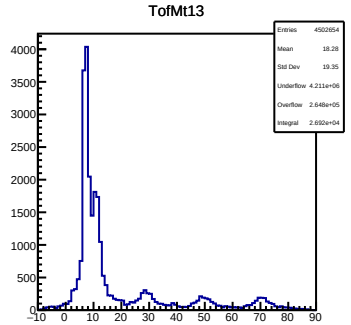
Entries 4502654
Mean 0.5272
Std Dev 6.494
Underflow 4.218e+06
Overflow 4.797e+04
Integral 2.368e+05

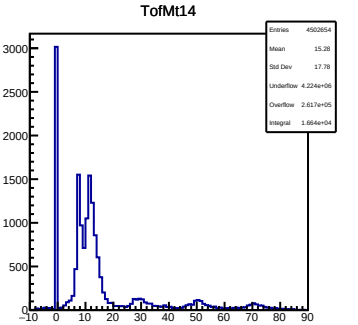

TofMt9
Entries 4502654
Mean 0.2591
Std Dev 5.754
Underflow 4.218e+06
Overflow 1.528e+04
Integral 2.693e+05

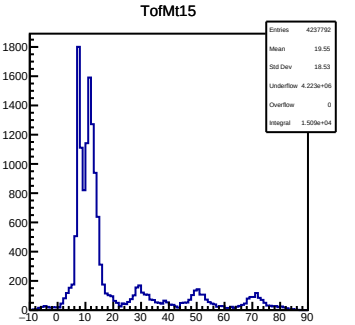

TofMt10
Entries 4502654
Mean 0.4751
Std Dev 6.612
Underflow 4.215e+06
Overflow 1.849e+04
Integral 2.695e+05

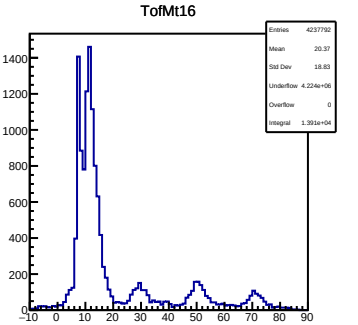

TofMt11
Entries 4502654
Mean 16.52
Std Dev 16.09
Underflow 4.211e+06
Overflow 2.648e+05
Integral 2.718e+04

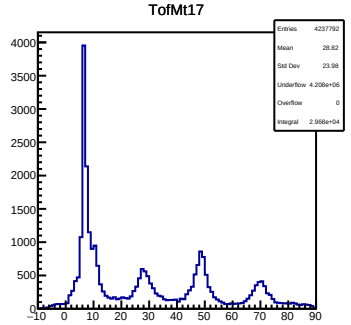

TofMt12
Entries 4502654
Mean 0.3286
Std Dev 6.384
Underflow 4.216e+06
Overflow 0
Integral 2.862e+05

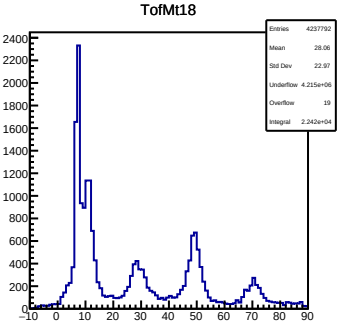

TofMt13
Entries 4502654
Mean 18.28
Std Dev 19.35
Underflow 4.211e+06
Overflow 2.648e+05
Integral 2.692e+04

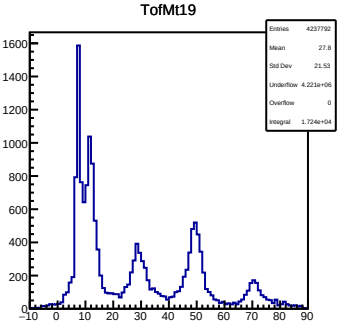

TofMt14
Entries 4502654
Mean 15.28
Std Dev 17.78
Underflow 4.224e+06
Overflow 2.617e+05
Integral 1.664e+04

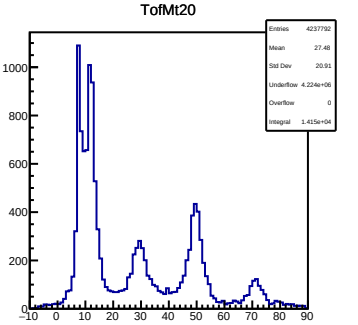

TofMt15
Entries 4237792
Mean 19.55
Std Dev 18.53
Underflow 4.223e+06
Overflow 0
Integral 1.509e+04

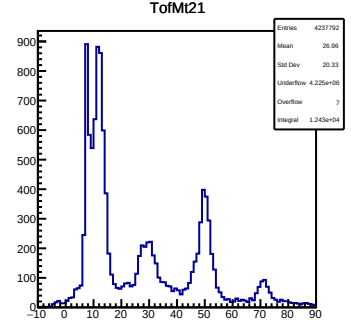

TofMt16
Entries 4237792
Mean 20.37
Std Dev 18.83
Underflow 4.224e+06
Overflow 0
Integral 1.391e+04

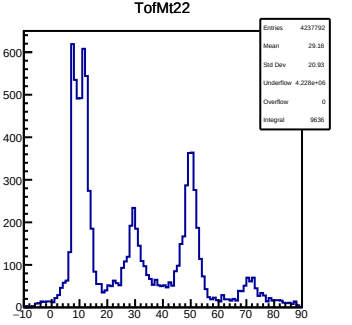

TofMt17
Entries 4237792
Mean 28.82
Std Dev 23.98
Underflow 4.208e+06
Overflow 0
Integral 2.988e+04

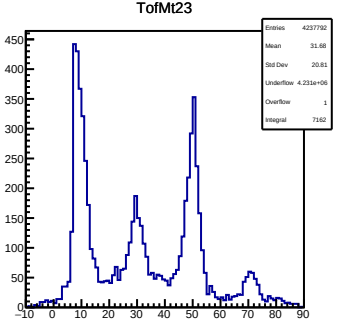

TofMt18
Entries 4237792
Mean 28.06
Std Dev 22.97
Underflow 4.215e+06
Overflow 19
Integral 2.242e+04

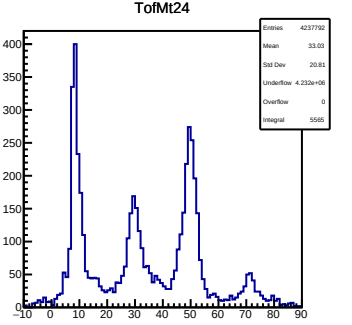

TofMt19
Entries 4237792
Mean 27.8
Std Dev 21.53
Underflow 4.221e+06
Overflow 0
Integral 1.724e+04

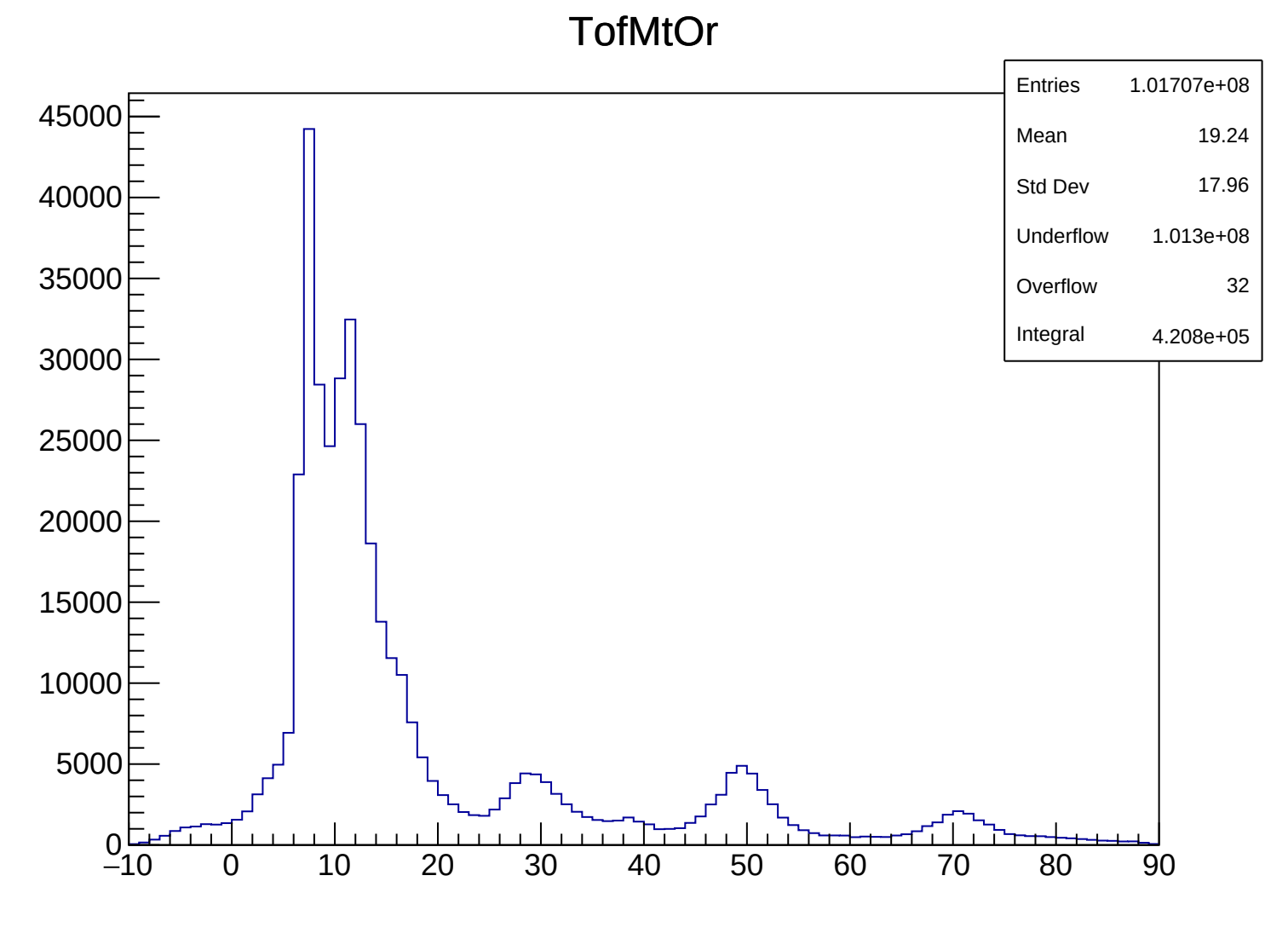

TofMt20
Entries 4237792
Mean 27.48
Std Dev 20.91
Underflow 4.224e+06
Overflow 0
Integral 1.415e+04

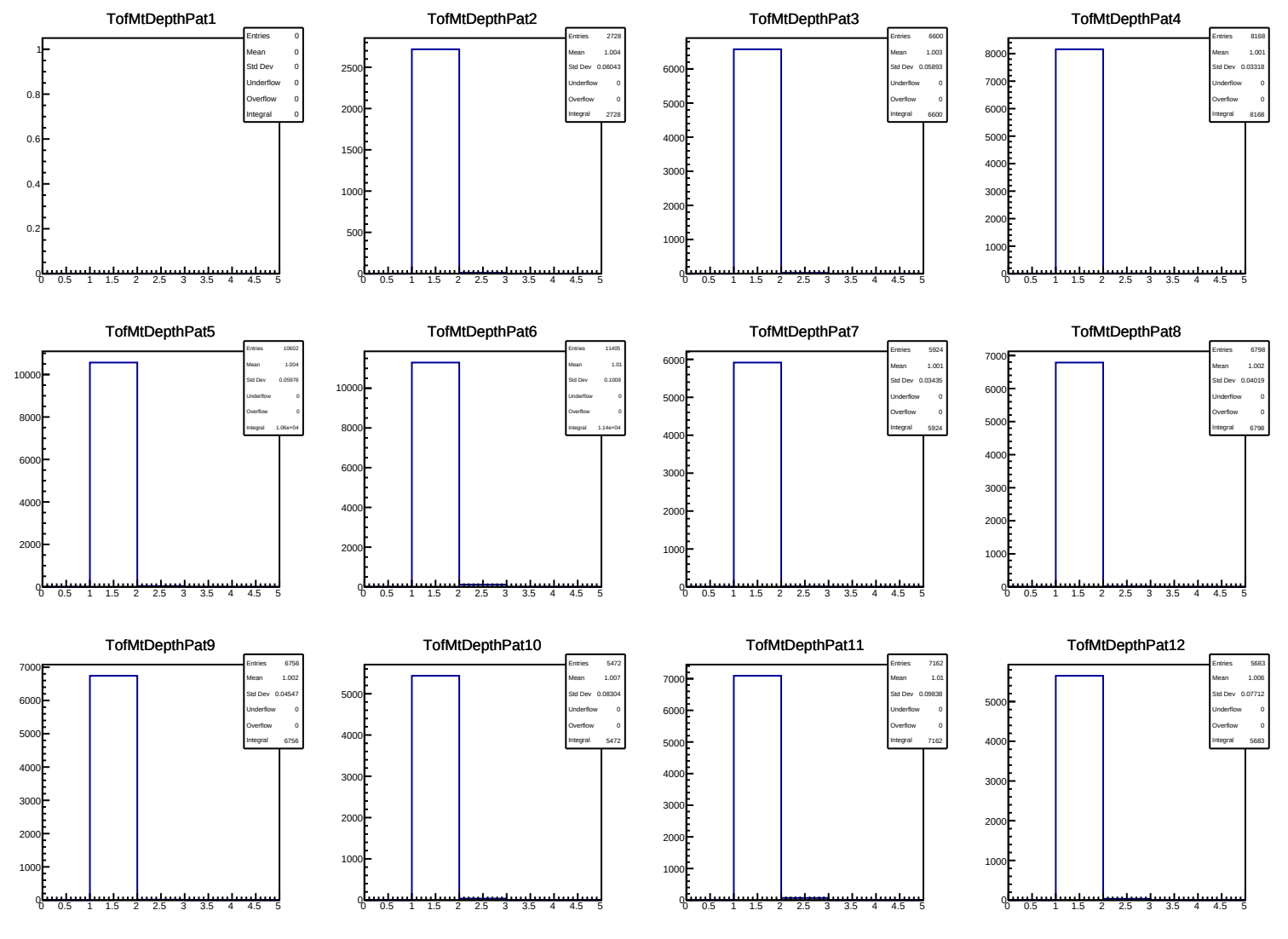

TofMt21
Entries 4237792
Mean 26.96
Std Dev 20.33
Underflow 4.225e+06
Overflow 7
Integral 1.243e+04

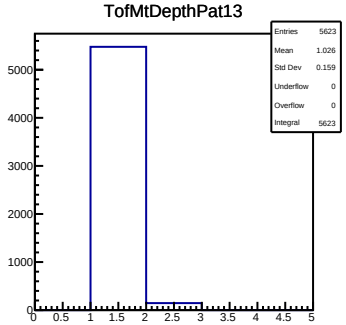

TofMt22
Entries 4237792
Mean 29.16
Std Dev 20.93
Underflow 4.228e+06
Overflow 0
Integral 9636

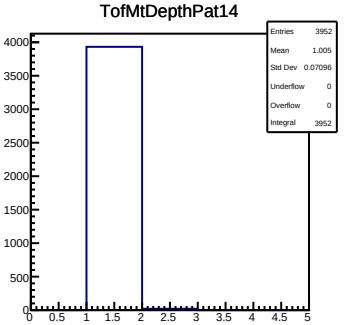

TofMt23
Entries 4237792
Mean 31.68
Std Dev 20.81
Underflow 4.231e+06
Overflow 1
Integral 7162

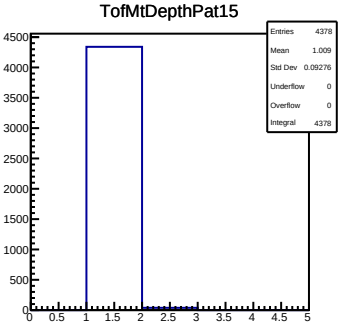

TofMt24
Entries 4237792
Mean 33.03
Std Dev 20.81
Underflow 4.232e+06
Overflow 0
Integral 5565

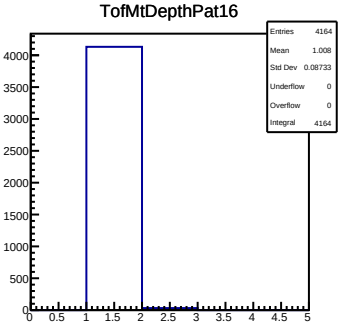

TofMtOr
Entries 1.01707e+08
Mean 19.24
Std Dev 17.96
Underflow 1.013e+08
Overflow 32
Integral 4.208e+05
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−10
0
10
20
30
40
50
60
70
80
90

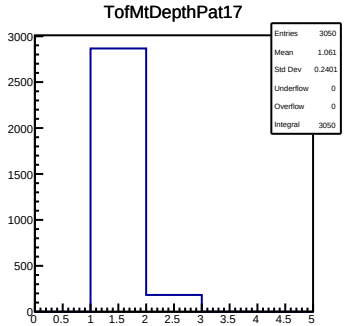

TofMtDepthPat1
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
TofMtDepthPat2
Entries 2728
Mean 1.004
Std Dev 0.06043
Underflow 0
Overflow 0
Integral 2728
TofMtDepthPat3
Entries 6600
Mean 1.003
Std Dev 0.05893
Underflow 0
Overflow 0
Integral 6600
TofMtDepthPat4
Entries 8168
Mean 1.001
Std Dev 0.03318
Underflow 0
Overflow 0
Integral 8168
TofMtDepthPat5
Entries 10602
Mean 1.004
Std Dev 0.05976
Underflow 0
Overflow 0
Integral 1.06e+04
TofMtDepthPat6
Entries 11405
Mean 1.01
Std Dev 0.1008
Underflow 0
Overflow 0
Integral 1.14e+04
TofMtDepthPat7
Entries 5924
Mean 1.001
Std Dev 0.03435
Underflow 0
Overflow 0
Integral 5924
TofMtDepthPat8
Entries 6798
Mean 1.002
Std Dev 0.04019
Underflow 0
Overflow 0
Integral 6798
TofMtDepthPat9
Entries 6756
Mean 1.002
Std Dev 0.04547
Underflow 0
Overflow 0
Integral 6756
TofMtDepthPat10
Entries 5472
Mean 1.007
Std Dev 0.08304
Underflow 0
Overflow 0
Integral 5472
TofMtDepthPat11
Entries 7162
Mean 1.01
Std Dev 0.09838
Underflow 0
Overflow 0
Integral 7162
TofMtDepthPat12
Entries 5683
Mean 1.006
Std Dev 0.07712
Underflow 0
Overflow 0
Integral 5683

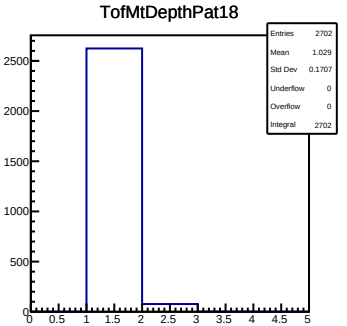

TofMtDepthPat13
Entries 5623
Mean 1.026
Std Dev 0.159
Underflow 0
Overflow 0
Integral 5623

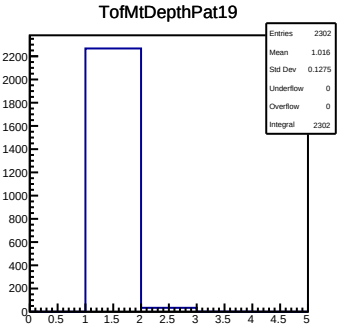

TofMtDepthPat14
Entries 3952
Mean 1.005
Std Dev 0.07096
Underflow 0
Overflow 0
Integral 3952

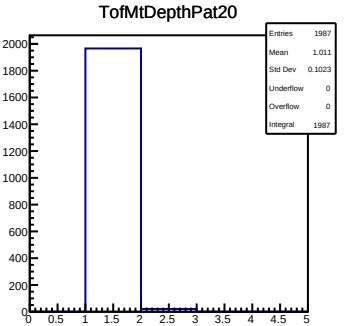

TofMtDepthPat15
Entries 4378
Mean 1.009
Std Dev 0.09276
Underflow 0
Overflow 0
Integral 4378

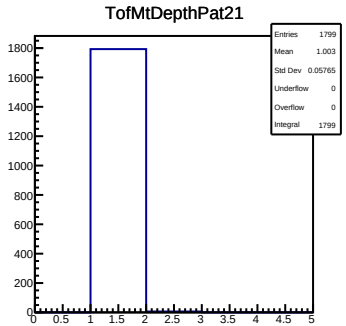

TofMtDepthPat16
Entries 4164
Mean 1.008
Std Dev 0.08733
Underflow 0
Overflow 0
Integral 4164

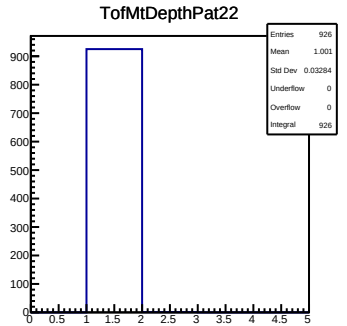

TofMtDepthPat17
Entries 3050
Mean 1.061
Std Dev 0.2401
Underflow 0
Overflow 0
Integral 3050

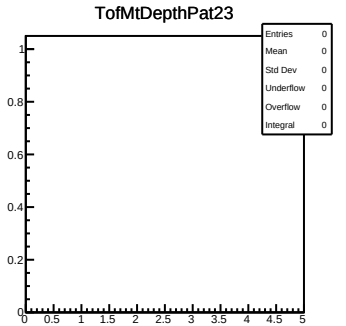

TofMtDepthPat18
Entries 2702
Mean 1.029
Std Dev 0.1707
Underflow 0
Overflow 0
Integral 2702

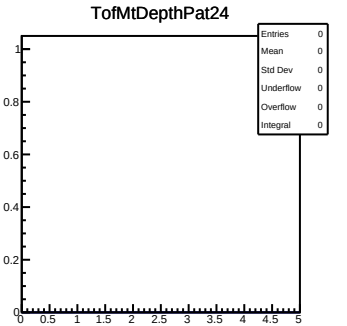

TofMtDepthPat19
Entries 2302
Mean 1.016
Std Dev 0.1275
Underflow 0
Overflow 0
Integral 2302

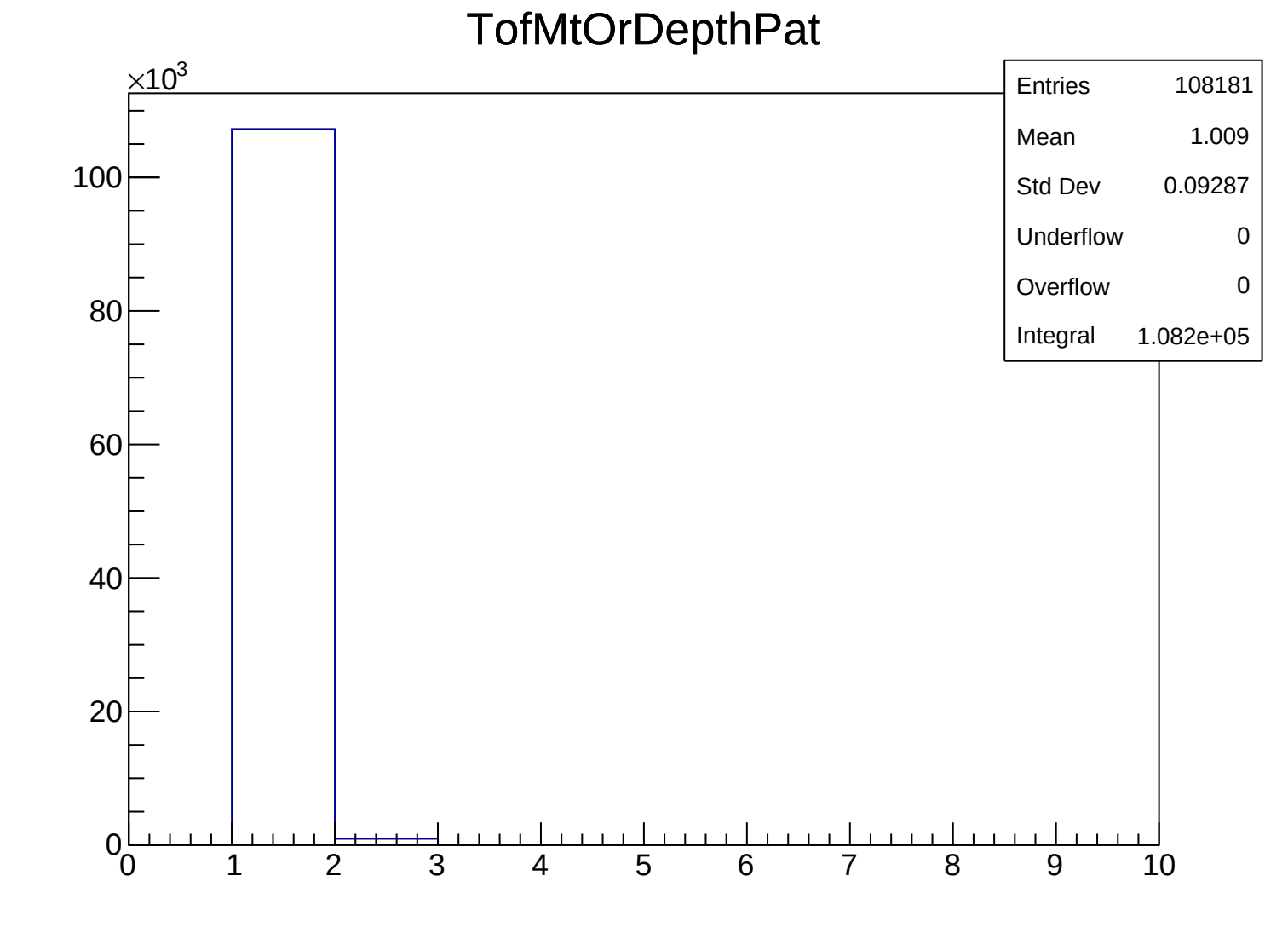

TofMtDepthPat20
Entries 1987
Mean 1.011
Std Dev 0.1023
Underflow 0
Overflow 0
Integral 1987

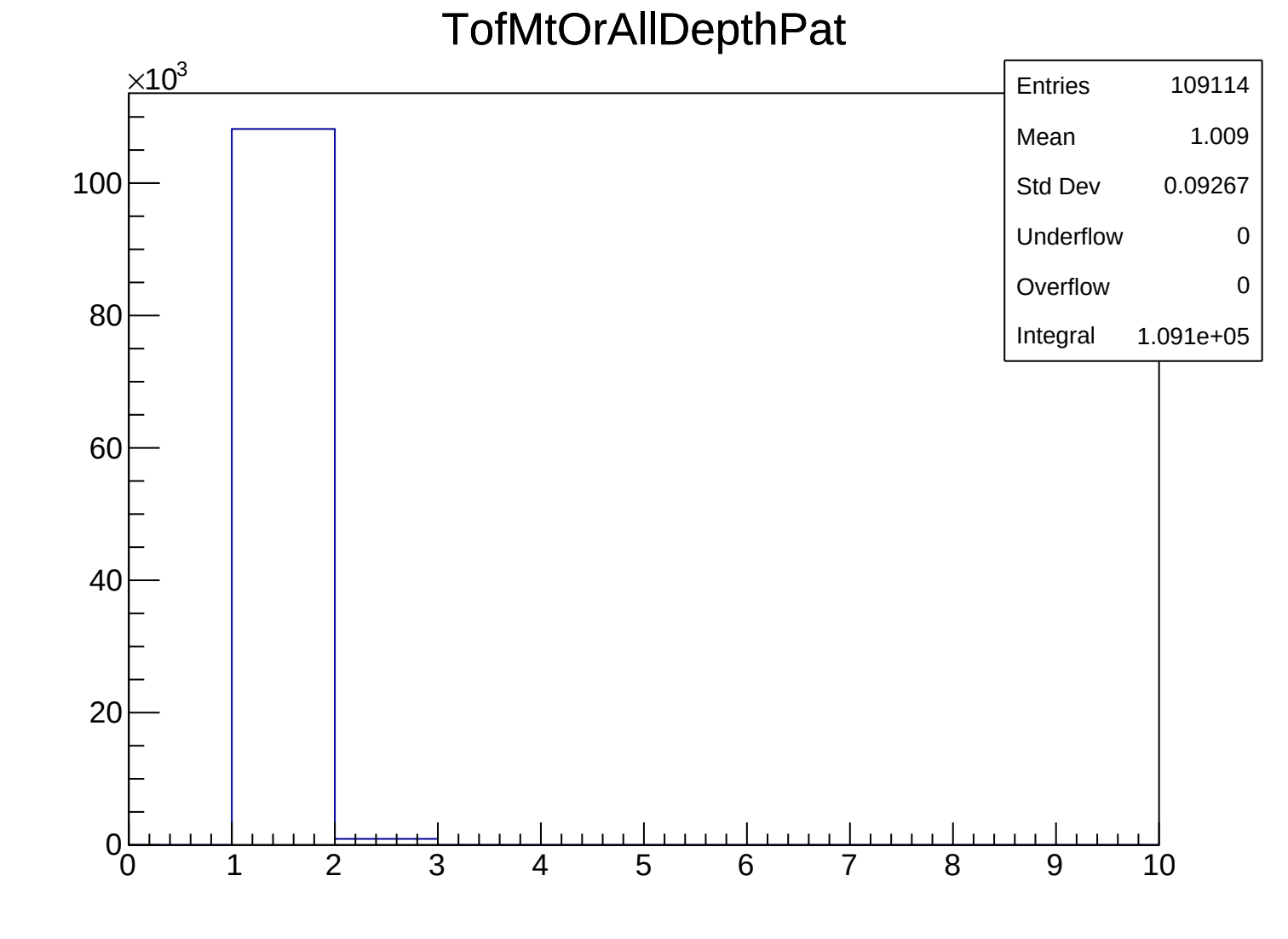

TofMtDepthPat21
Entries 1799
Mean 1.003
Std Dev 0.05765
Underflow 0
Overflow 0
Integral 1799

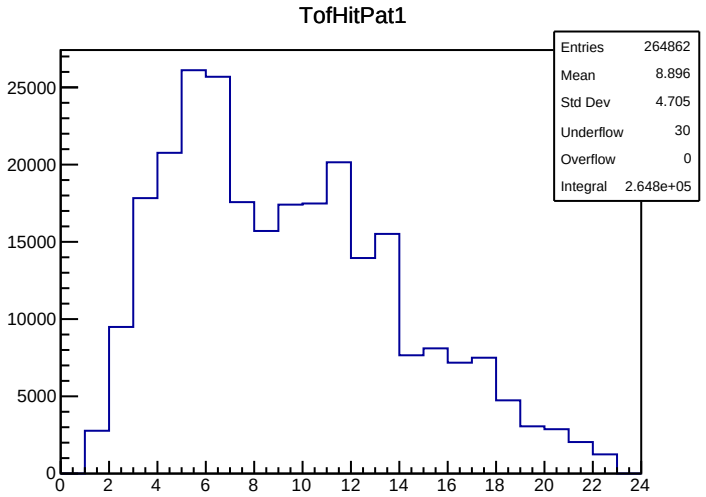

TofMtDepthPat22
Entries 926
Mean 1.001
Std Dev 0.03284
Underflow 0
Overflow 0
Integral 926

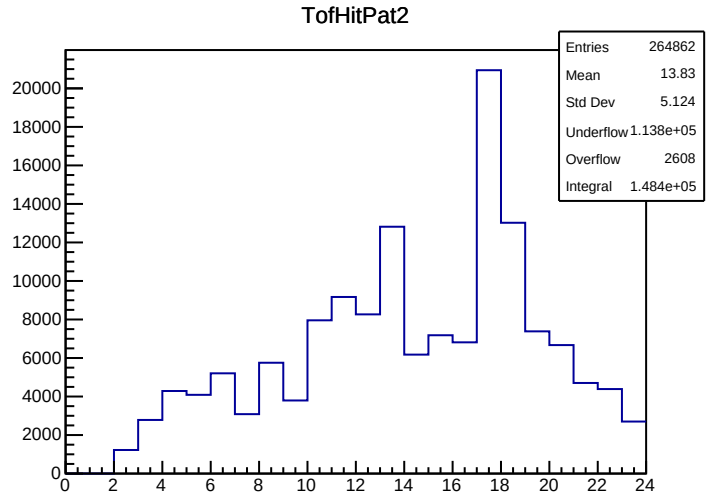

TofMtDepthPat23
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0

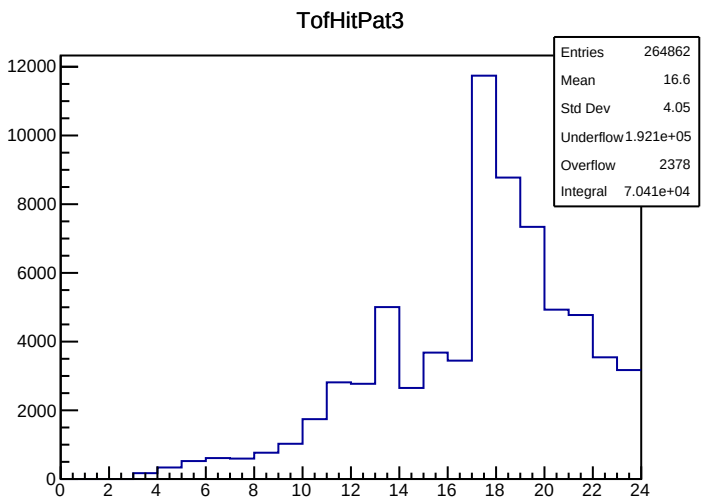

TofMtDepthPat24
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0

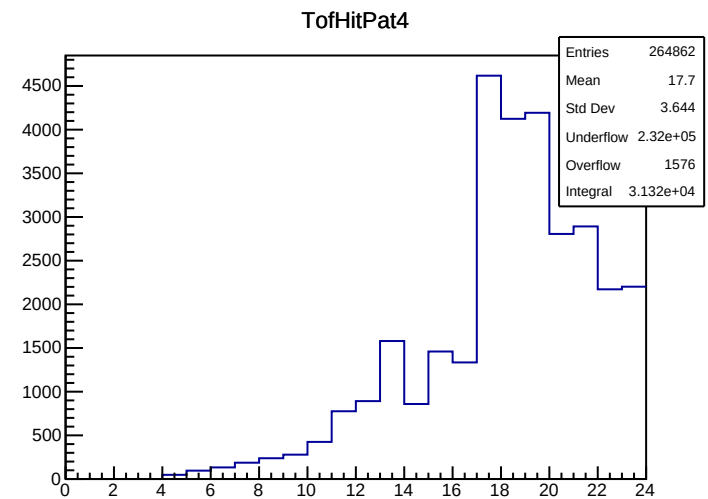

TofMtOrDepthPat
×10^3
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Entries 108181
Mean 1.009
Std Dev 0.09287
Underflow 0
Overflow 0
Integral 1.082e+05

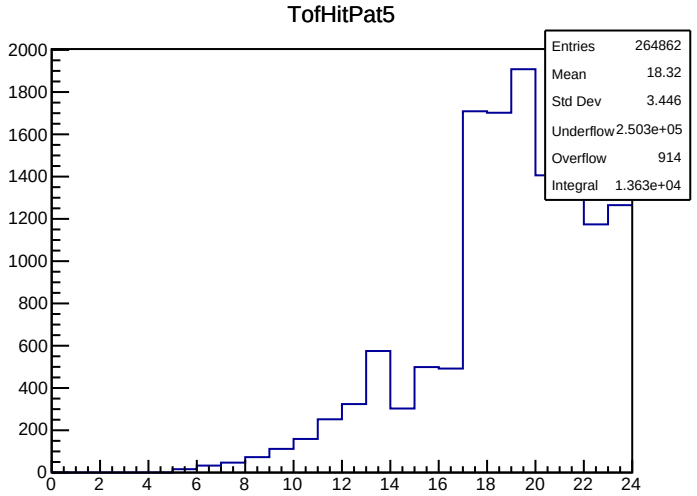

TofMtOrAllDepthPat
×10^3
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Entries 109114
Mean 1.009
Std Dev 0.09267
Underflow 0
Overflow 0
Integral 1.091e+05

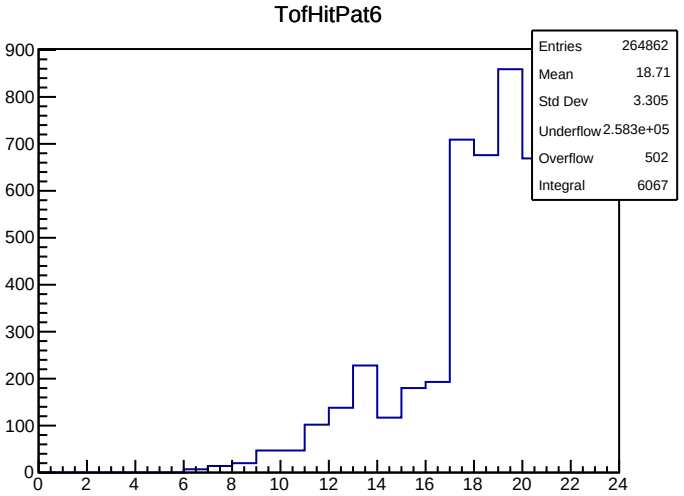

TofHitPat1
Entries 264862
Mean 8.896
Std Dev 4.705
Underflow 30
Overflow 0
Integral 2.648e+05

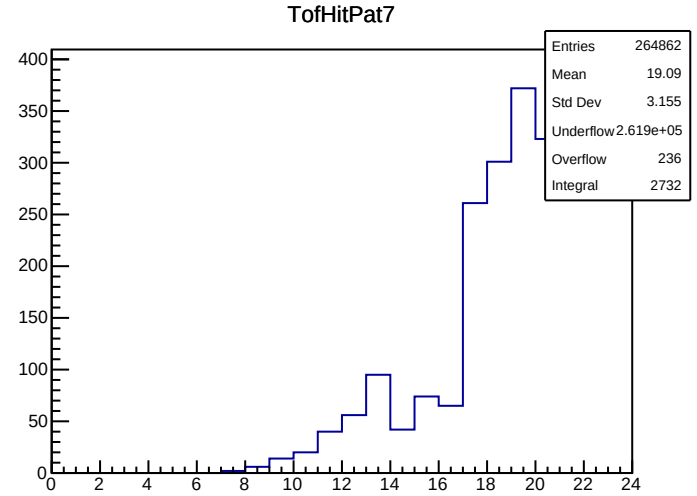

TofHitPat2
Entries 264862
Mean 13.83
Std Dev 5.124
Underflow 1.138e+05
Overflow 2608
Integral 1.484e+05

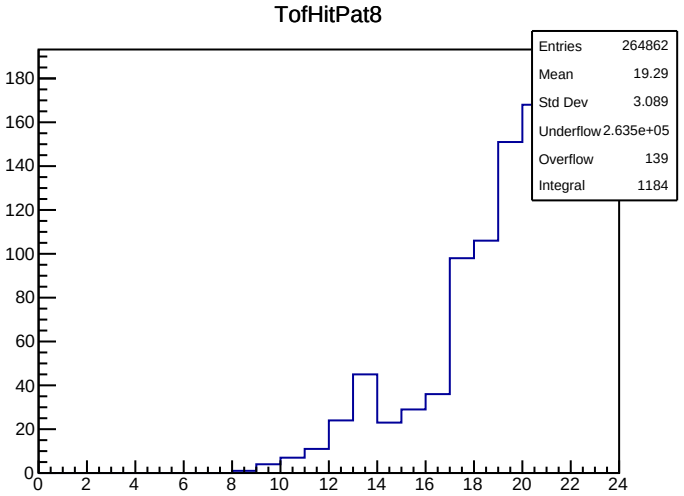

TofHitPat3
Entries 264862
Mean 16.6
Std Dev 4.05
Underflow 1.921e+05
Overflow 2378
Integral 7.041e+04

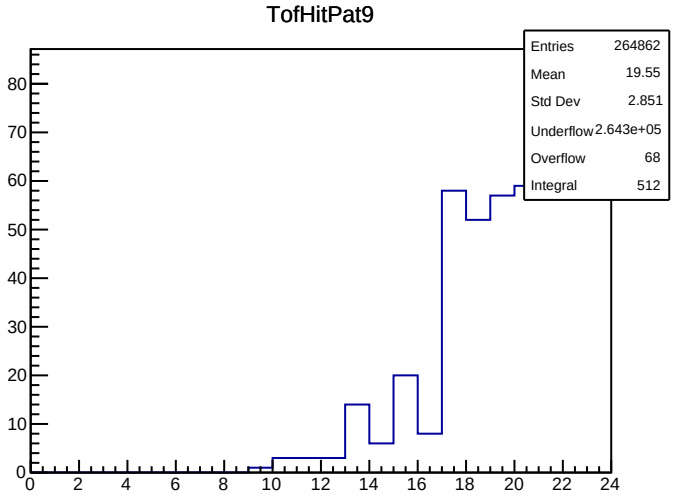

TofHitPat4
Entries 264862
Mean 17.7
Std Dev 3.644
Underflow 2.32e+05
Overflow 1576
Integral 3.132e+04

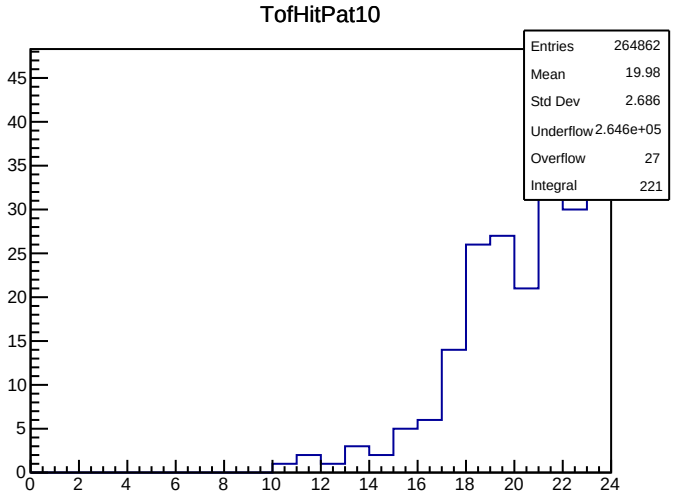

TofHitPat5
Entries 264862
Mean 18.32
Std Dev 3.446
Underflow 2.503e+05
Overflow 914
Integral 1.363e+04

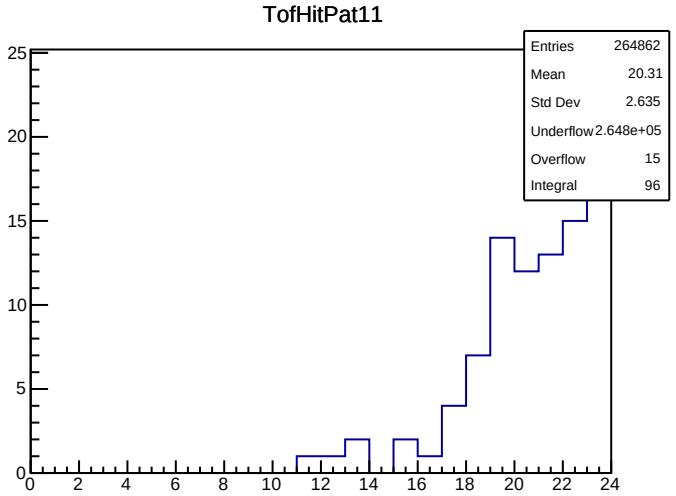

TofHitPat6
Entries 264862
Mean 18.71
Std Dev 3.305
Underflow 2.583e+05
Overflow 502
Integral 6067

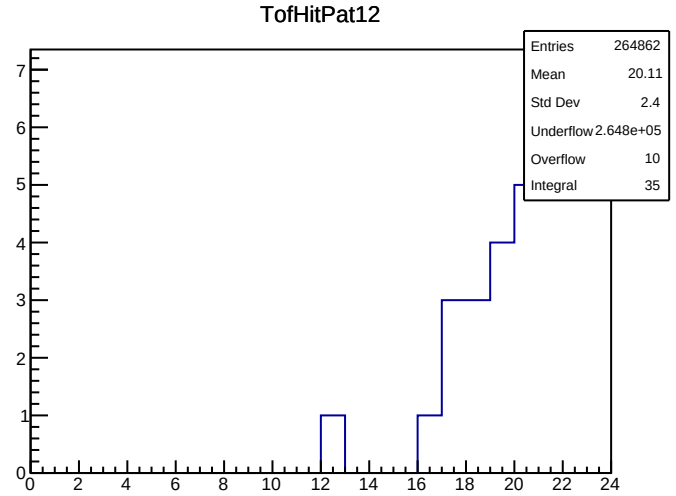

TofHitPat7
Entries 264862
Mean 19.09
Std Dev 3.155
Underflow 2.619e+05
Overflow 236
Integral 2732

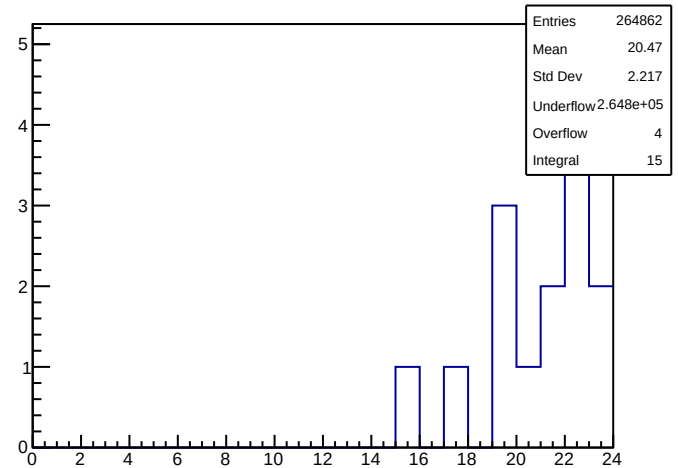

TofHitPat8
Entries 264862
Mean 19.29
Std Dev 3.089
Underflow 2.635e+05
Overflow 139
Integral 1184

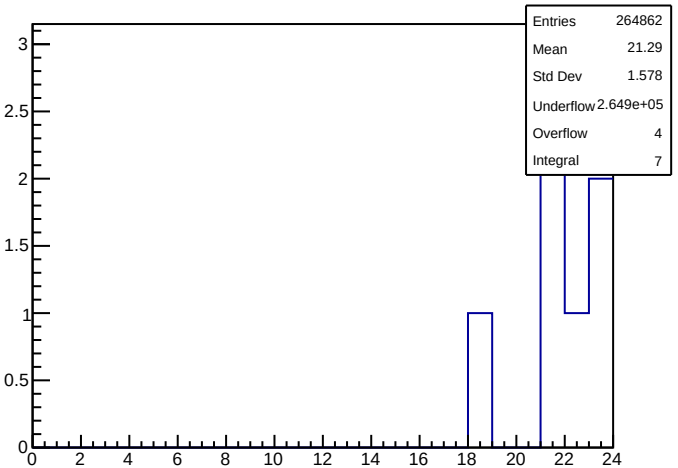

TofHitPat9
Entries 264862
Mean 19.55
Std Dev 2.851
Underflow 2.643e+05
Overflow 68
Integral 512

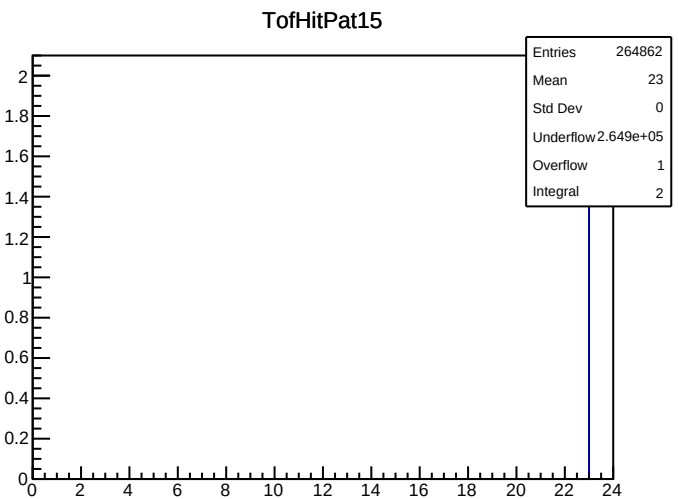

TofHitPat10
Entries 264862
Mean 19.98
Std Dev 2.686
Underflow 2.646e+05
Overflow 27
Integral 221

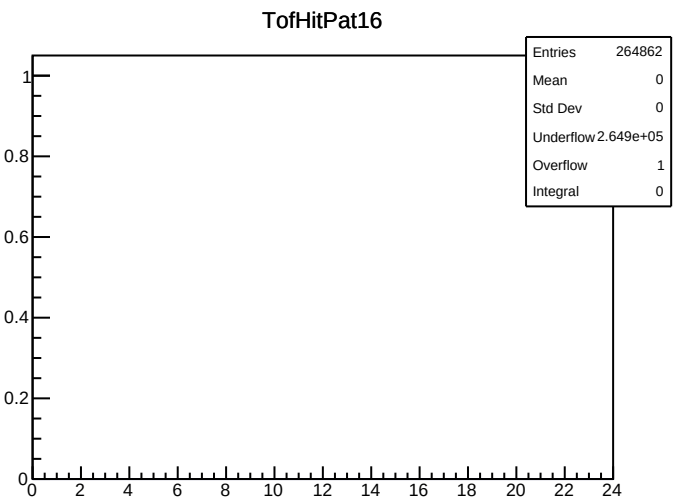

TofHitPat11
Entries 264862
Mean 20.31
Std Dev 2.635
Underflow 2.648e+05
Overflow 15
Integral 96

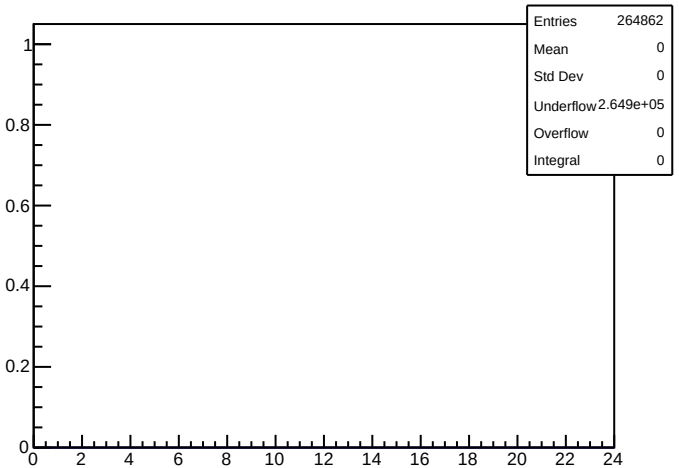

TofHitPat12
Entries 264862
Mean 20.11
Std Dev 2.4
Underflow 2.648e+05
Overflow 10
Integral 35

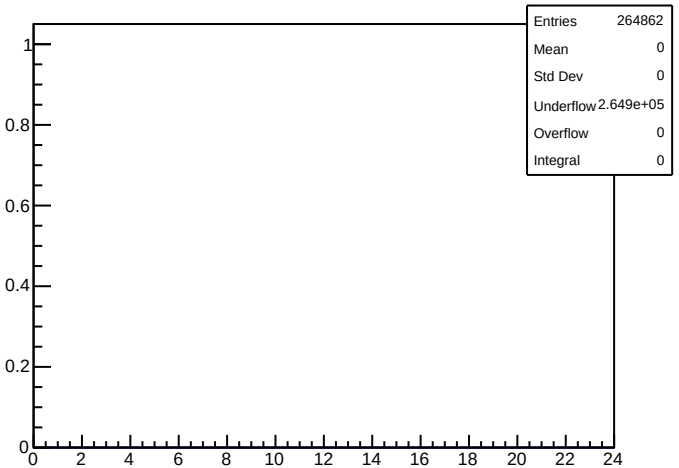

TofHitPat13
Entries 264862
Mean 20.47
Std Dev 2.217
Underflow 2.648e+05
Overflow 4
Integral 15

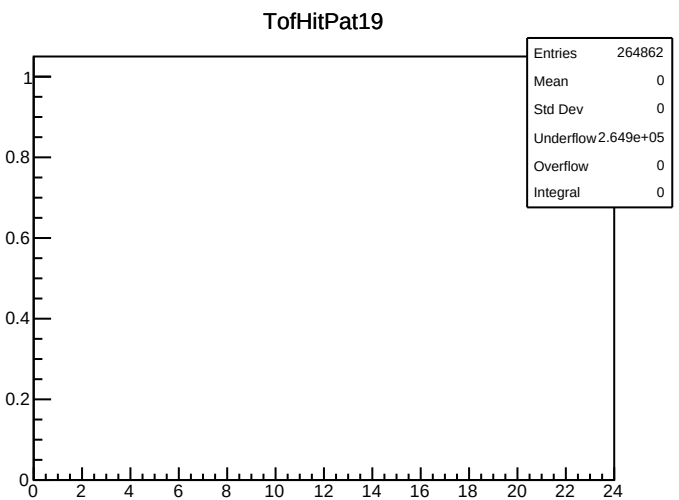

TofHitPat14
Entries 264862
Mean 21.29
Std Dev 1.578
Underflow 2.649e+05
Overflow 4
Integral 7

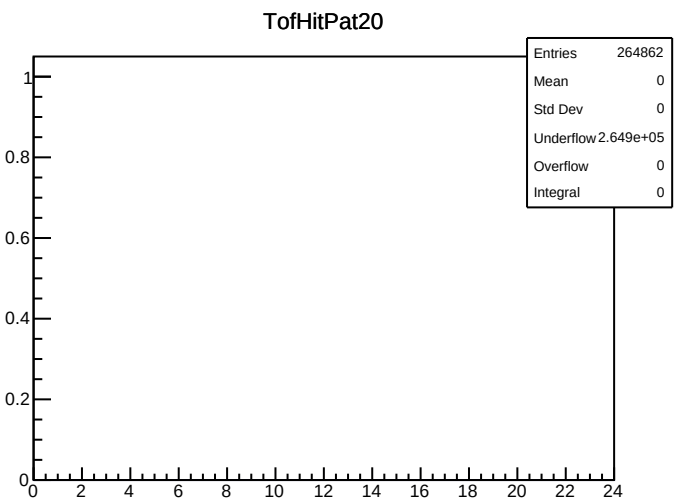

TofHitPat15
Entries 264862
Mean 23
Std Dev 0
Underflow 2.649e+05
Overflow 1
Integral 2

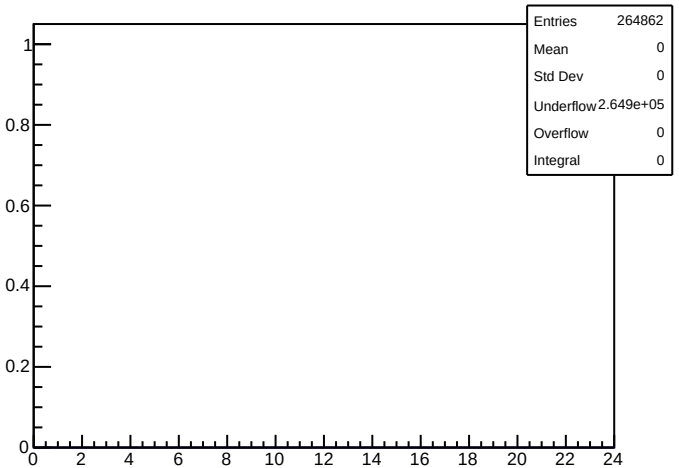

TofHitPat16
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 1
Integral 0

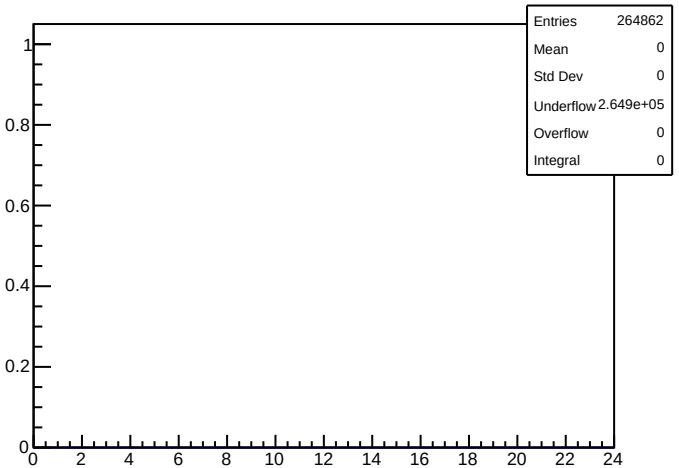

TofHitPat17
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

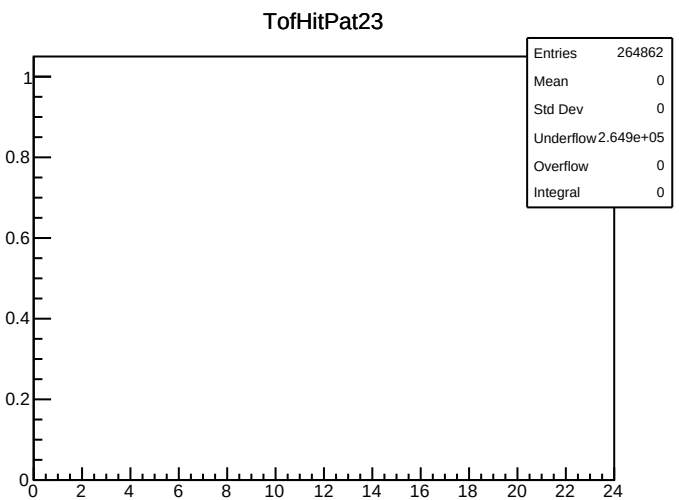

TofHitPat18
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

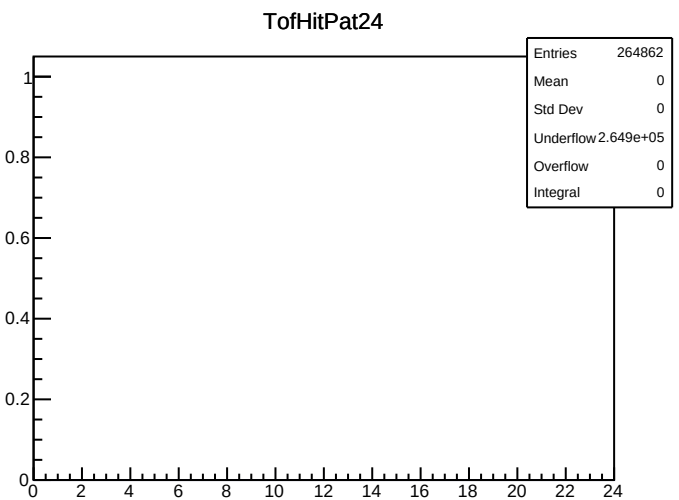

TofHitPat19
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

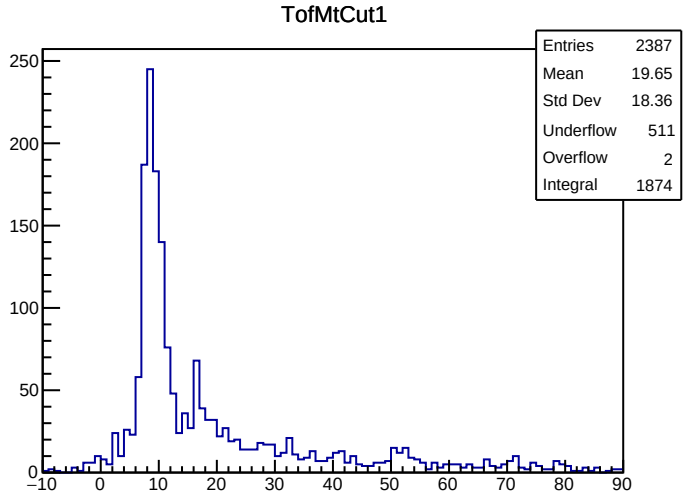

TofHitPat20
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

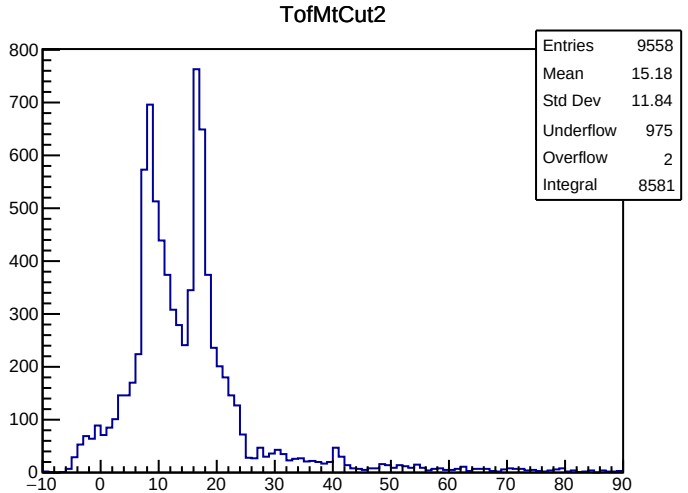

TofHitPat21
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

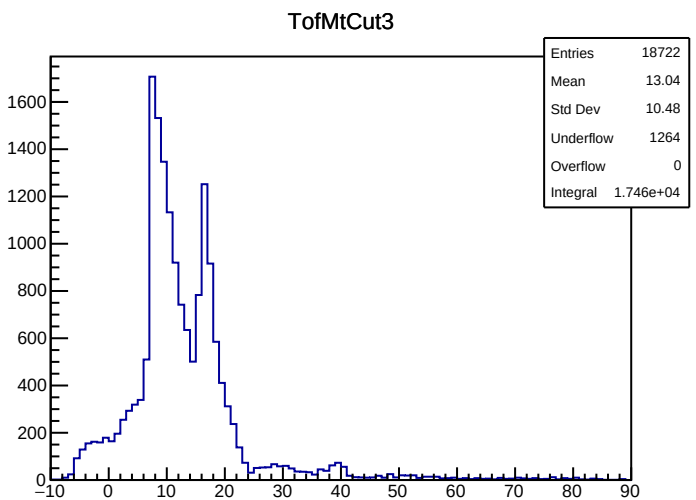

TofHitPat22
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

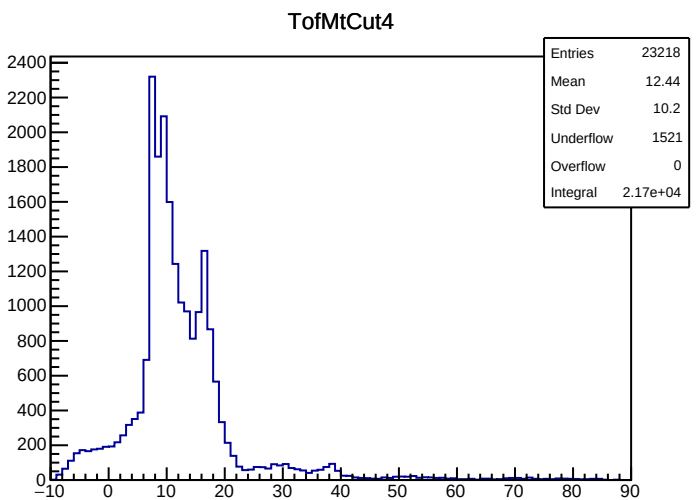

TofHitPat23
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

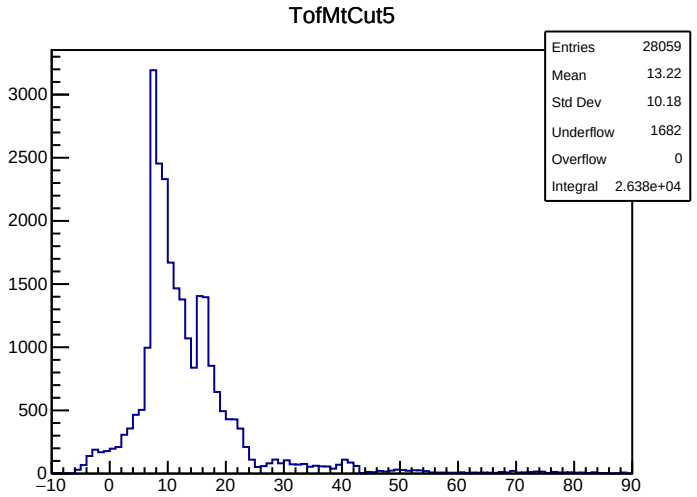

TofHitPat24
Entries 264862
Mean 0
Std Dev 0
Underflow 2.649e+05
Overflow 0
Integral 0
0 0.2 0.4 0.6 0.8 1
0 2 4 6 8 10 12 14 16 18 20 22 24

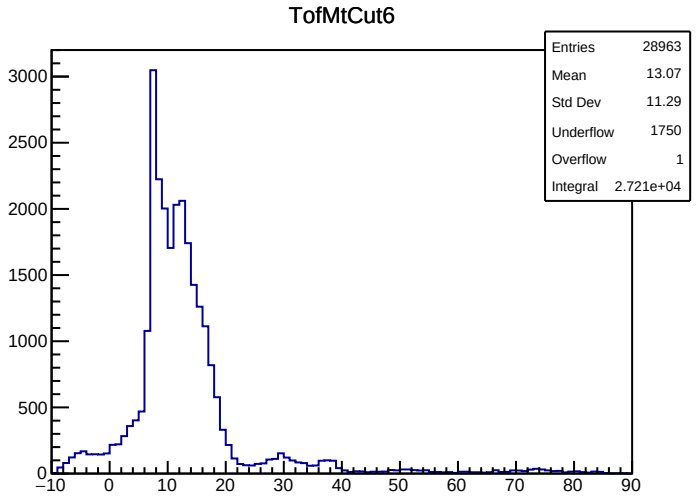

TofMtCut1
Entries 2387
Mean 19.65
Std Dev 18.36
Underflow 511
Overflow 2
Integral 1874

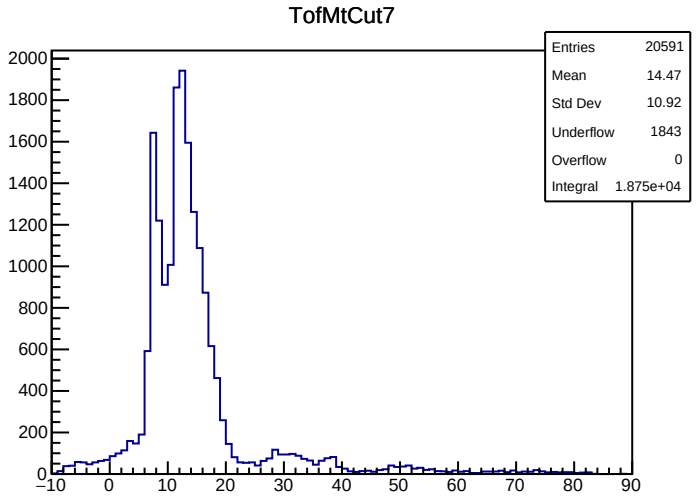

TofMtCut2
Entries 9558
Mean 15.18
Std Dev 11.84
Underflow 975
Overflow 2
Integral 8581

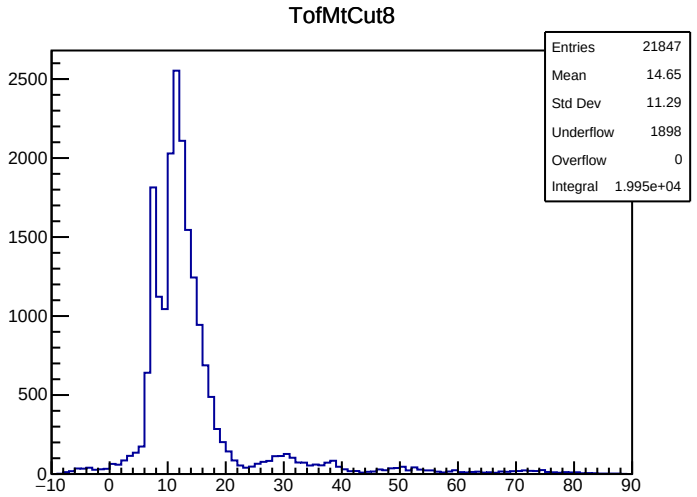

TofMtCut3
Entries 18722
Mean 13.04
Std Dev 10.48
Underflow 1264
Overflow 0
Integral 1.746e+04

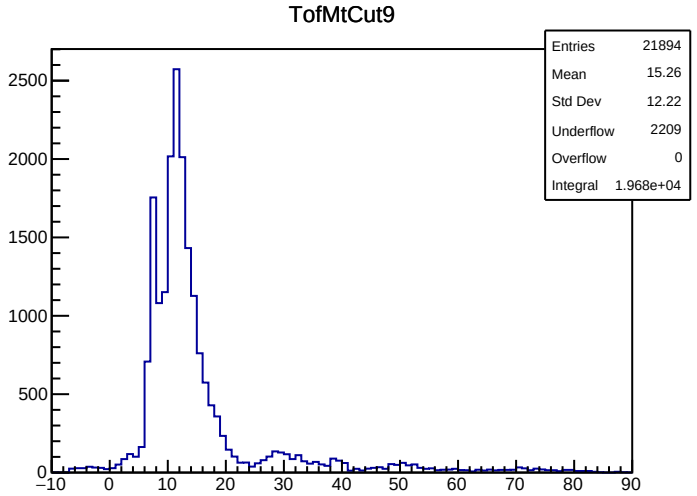

TofMtCut4
Entries 23218
Mean 12.44
Std Dev 10.2
Underflow 1521
Overflow 0
Integral 2.17e+04

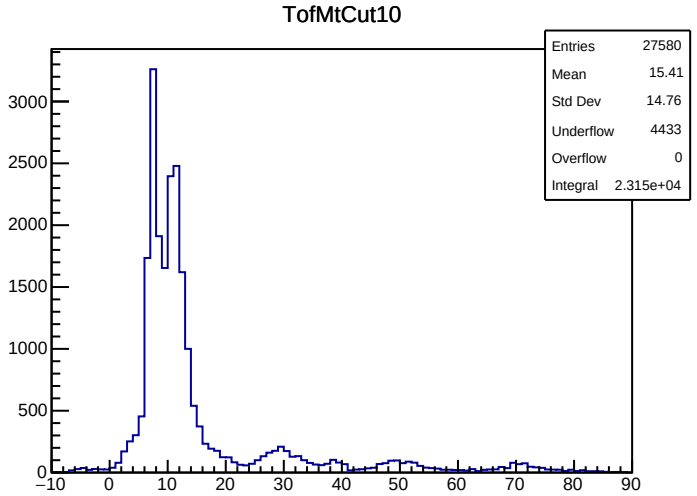

TofMtCut5
Entries 28059
Mean 13.22
Std Dev 10.18
Underflow 1682
Overflow 0
Integral 2.638e+04

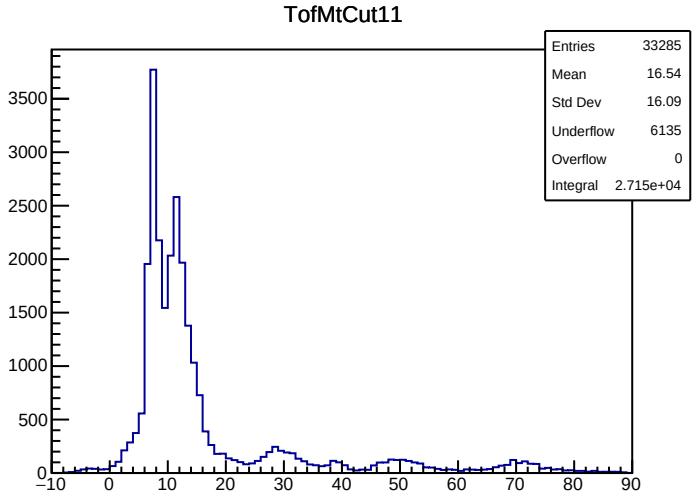

TofMtCut6
Entries 28963
Mean 13.07
Std Dev 11.29
Underflow 1750
Overflow 1
Integral 2.721e+04

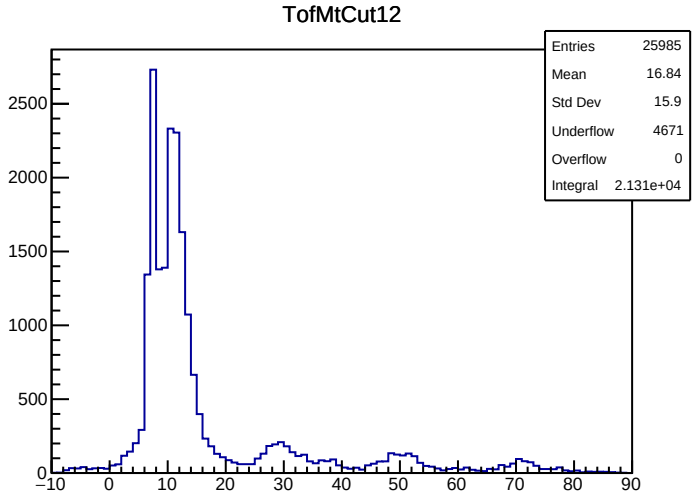

TofMtCut7
Entries 20591
Mean 14.47
Std Dev 10.92
Underflow 1843
Overflow 0
Integral 1.875e+04

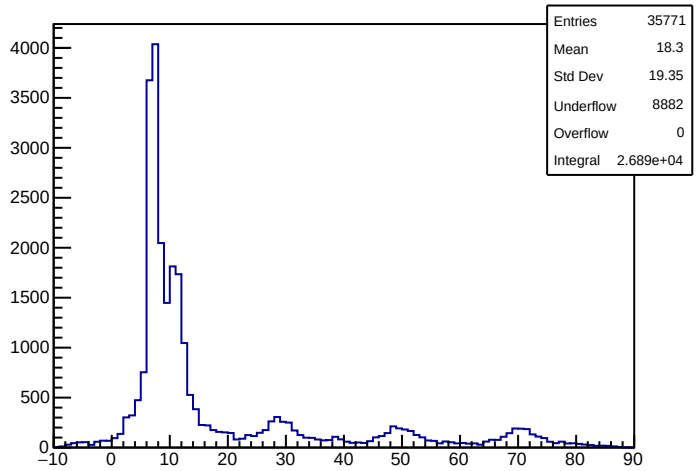

TofMtCut8
Entries 21847
Mean 14.65
Std Dev 11.29
Underflow 1898
Overflow 0
Integral 1.995e+04

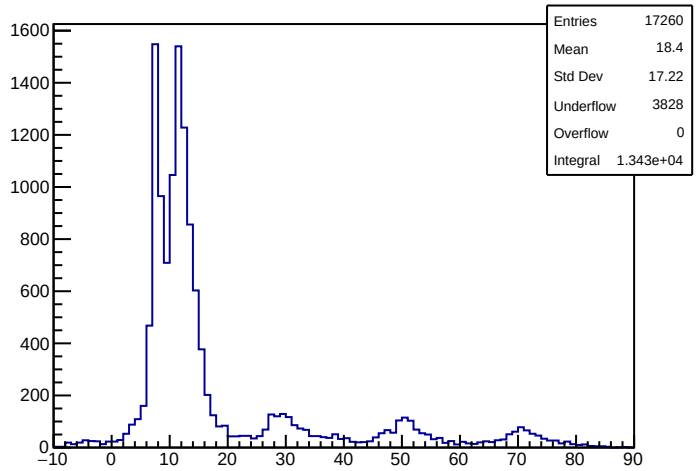

TofMtCut9
Entries 21894
Mean 15.26
Std Dev 12.22
Underflow 2209
Overflow 0
Integral 1.968e+04

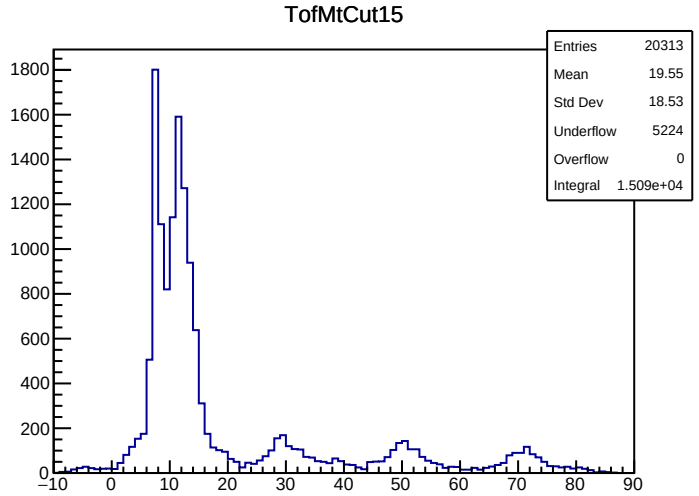

TofMtCut10
Entries 27580
Mean 15.41
Std Dev 14.76
Underflow 4433
Overflow 0
Integral 2.315e+04

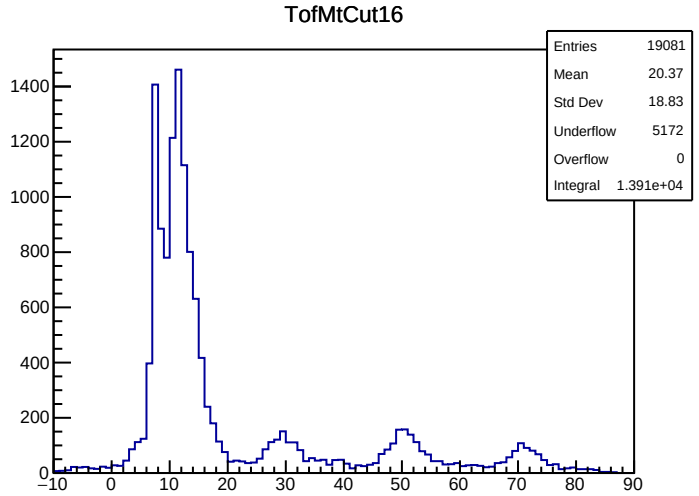

TofMtCut11
Entries 33285
Mean 16.54
Std Dev 16.09
Underflow 6135
Overflow 0
Integral 2.715e+04

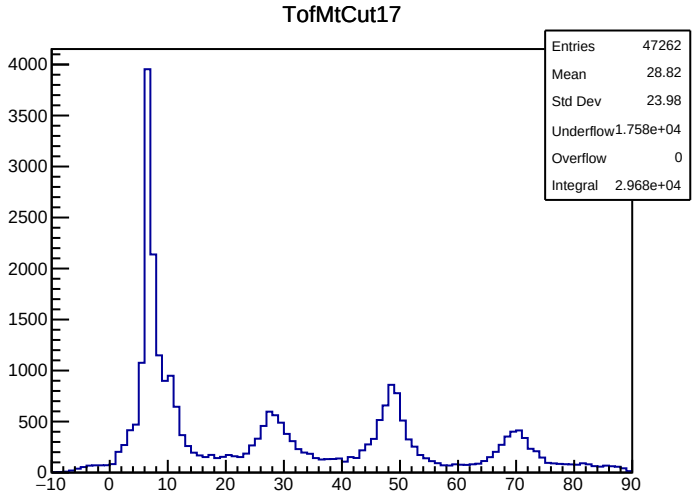

TofMtCut12
Entries 25985
Mean 16.84
Std Dev 15.9
Underflow 4671
Overflow 0
Integral 2.131e+04

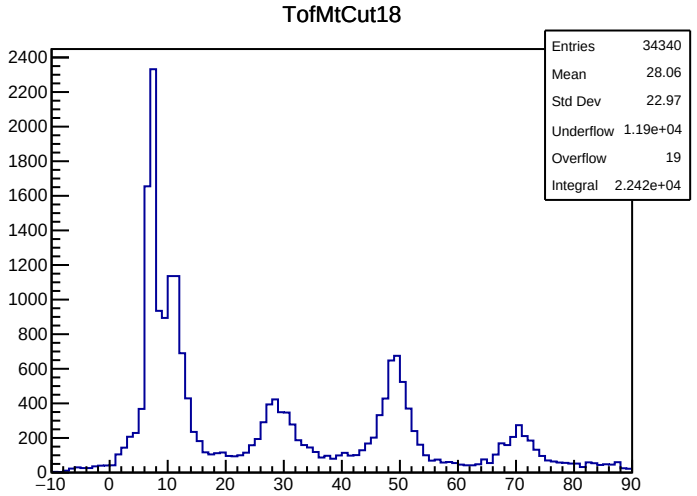

TofMtCut13
Entries 35771
Mean 18.3
Std Dev 19.35
Underflow 8882
Overflow 0
Integral 2.689e+04

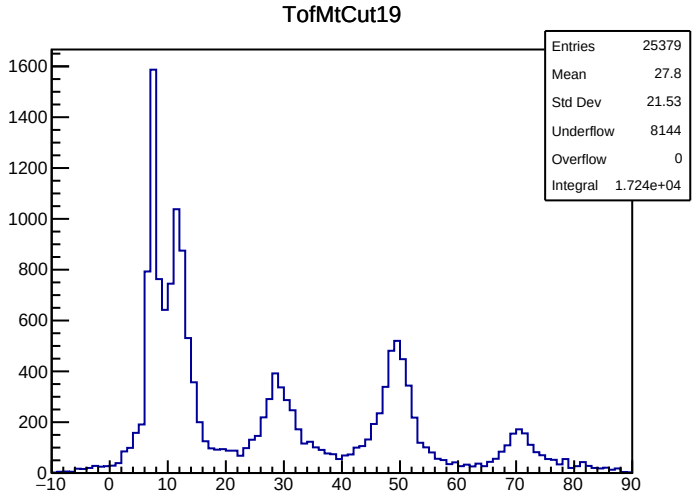

TofMtCut14
Entries 17260
Mean 18.4
Std Dev 17.22
Underflow 3828
Overflow 0
Integral 1.343e+04

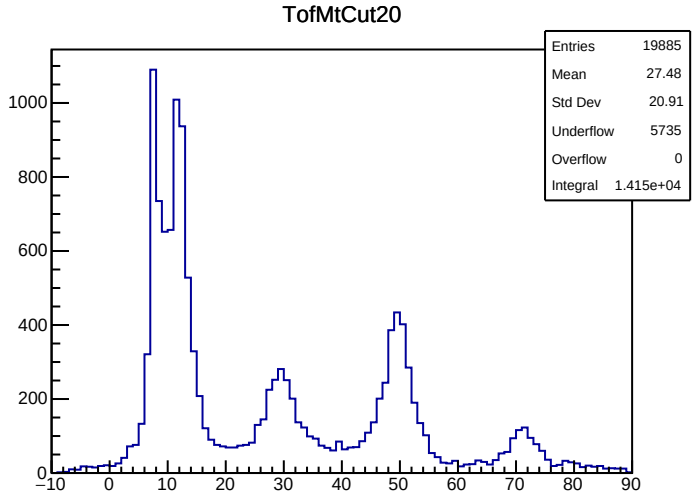

TofMtCut15
Entries 20313
Mean 19.55
Std Dev 18.53
Underflow 5224
Overflow 0
Integral 1.509e+04

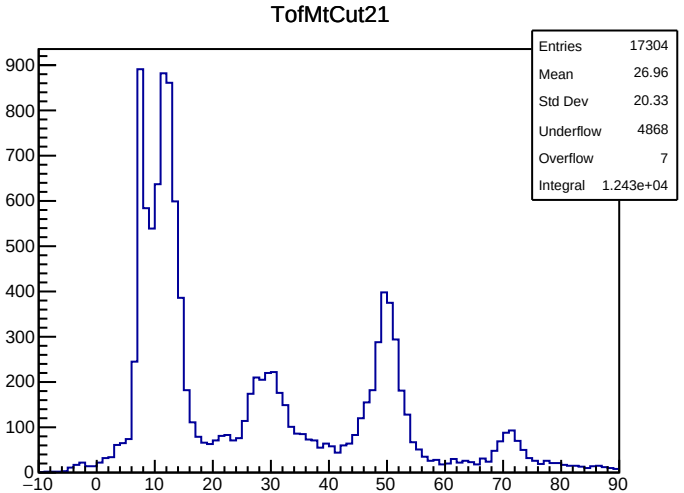

TofMtCut16
Entries 19081
Mean 20.37
Std Dev 18.83
Underflow 5172
Overflow 0
Integral 1.391e+04

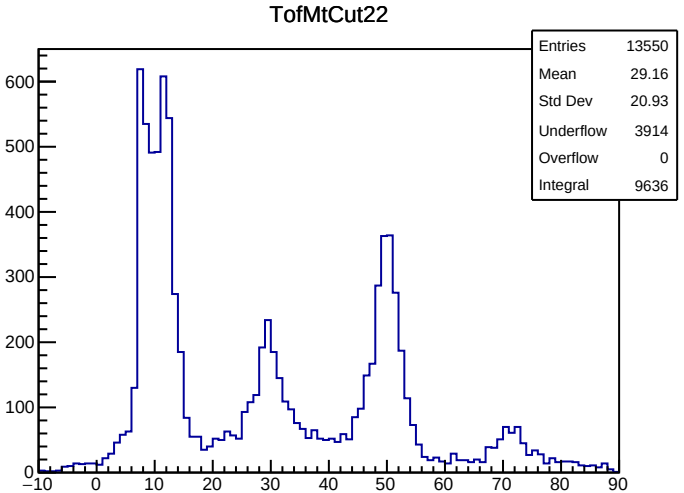

TofMtCut17
Entries 47262
Mean 28.82
Std Dev 23.98
Underflow 1.758e+04
Overflow 0
Integral 2.968e+04

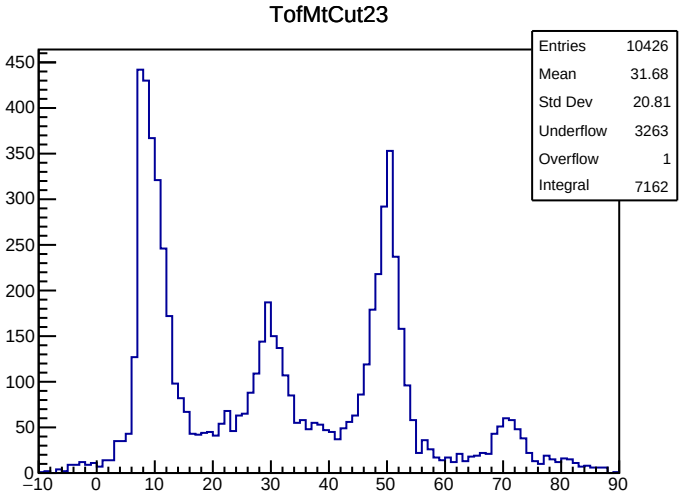

TofMtCut18
Entries 34340
Mean 28.06
Std Dev 22.97
Underflow 1.19e+04
Overflow 19
Integral 2.242e+04

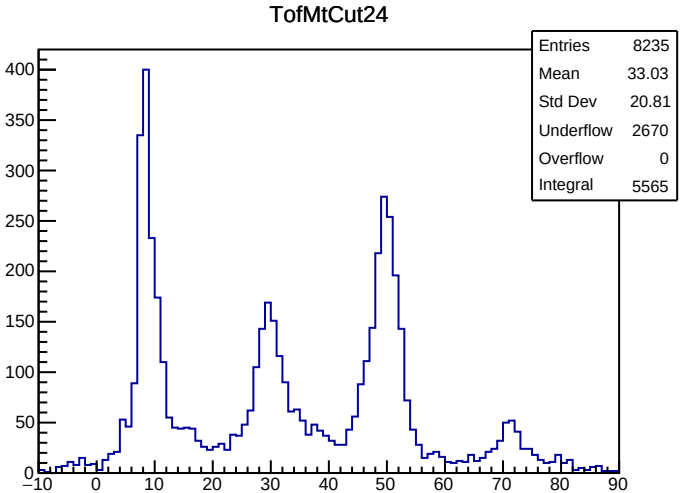

TofMtCut19
Entries 25379
Mean 27.8
Std Dev 21.53
Underflow 8144
Overflow 0
Integral 1.724e+04

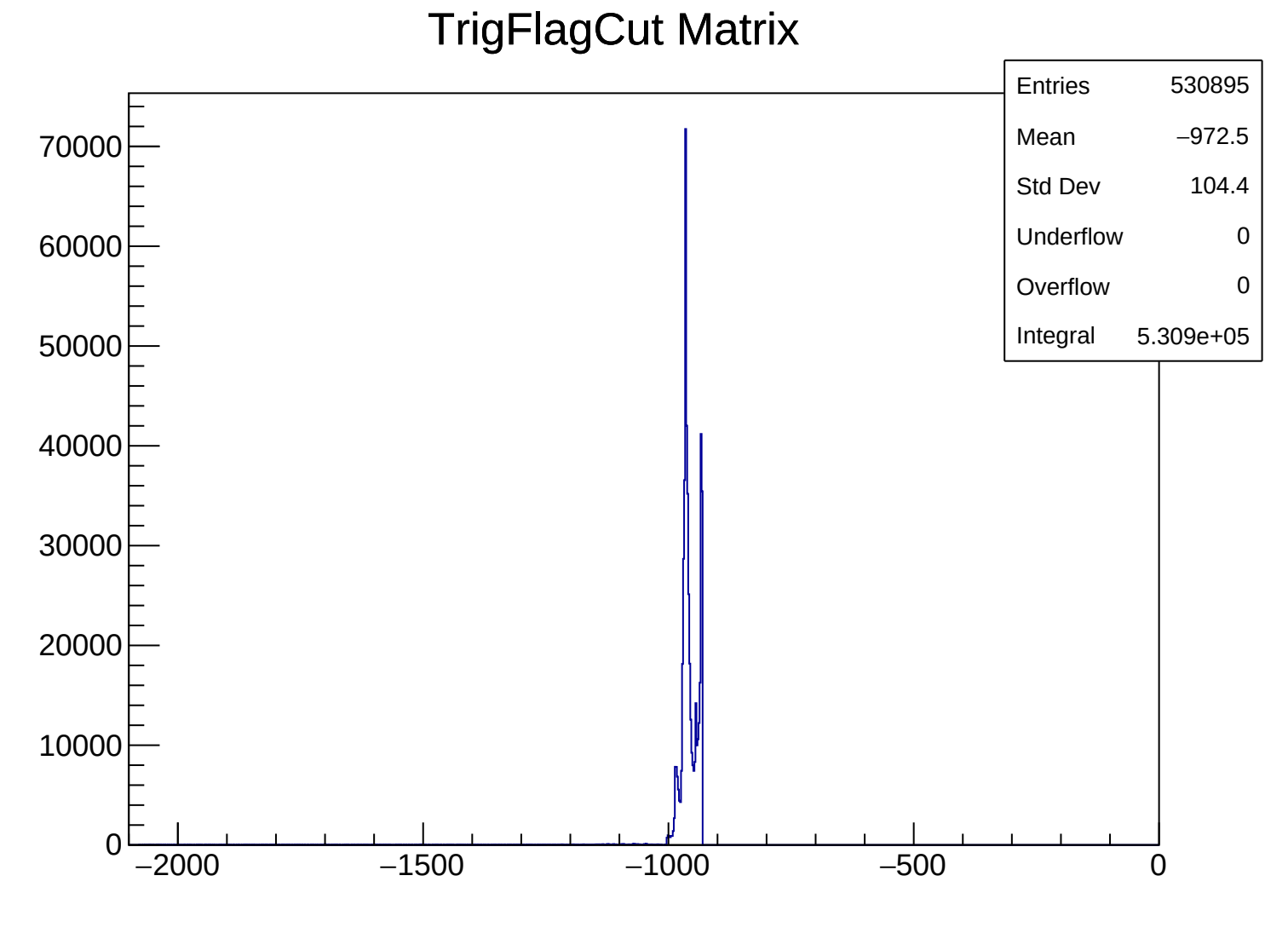

TofMtCut20
Entries 19885
Mean 27.48
Std Dev 20.91
Underflow 5735
Overflow 0
Integral 1.415e+04


TofMtCut21
Entries 17304
Mean 26.96
Std Dev 20.33
Underflow 4868
Overflow 7
Integral 1.243e+04


TofMtCut22
Entries 13550
Mean 29.16
Std Dev 20.93
Underflow 3914
Overflow 0
Integral 9636


TofMtCut23
Entries 10426
Mean 31.68
Std Dev 20.81
Underflow 3263
Overflow 1
Integral 7162


TofMtCut24
Entries 8235
Mean 33.03
Std Dev 20.81
Underflow 2670
Overflow 0
Integral 5565


TrigFlagCut Matrix
Entries 530895
Mean −972.5
Std Dev 104.4
Underflow 0
Overflow 0
Integral 5.309e+05
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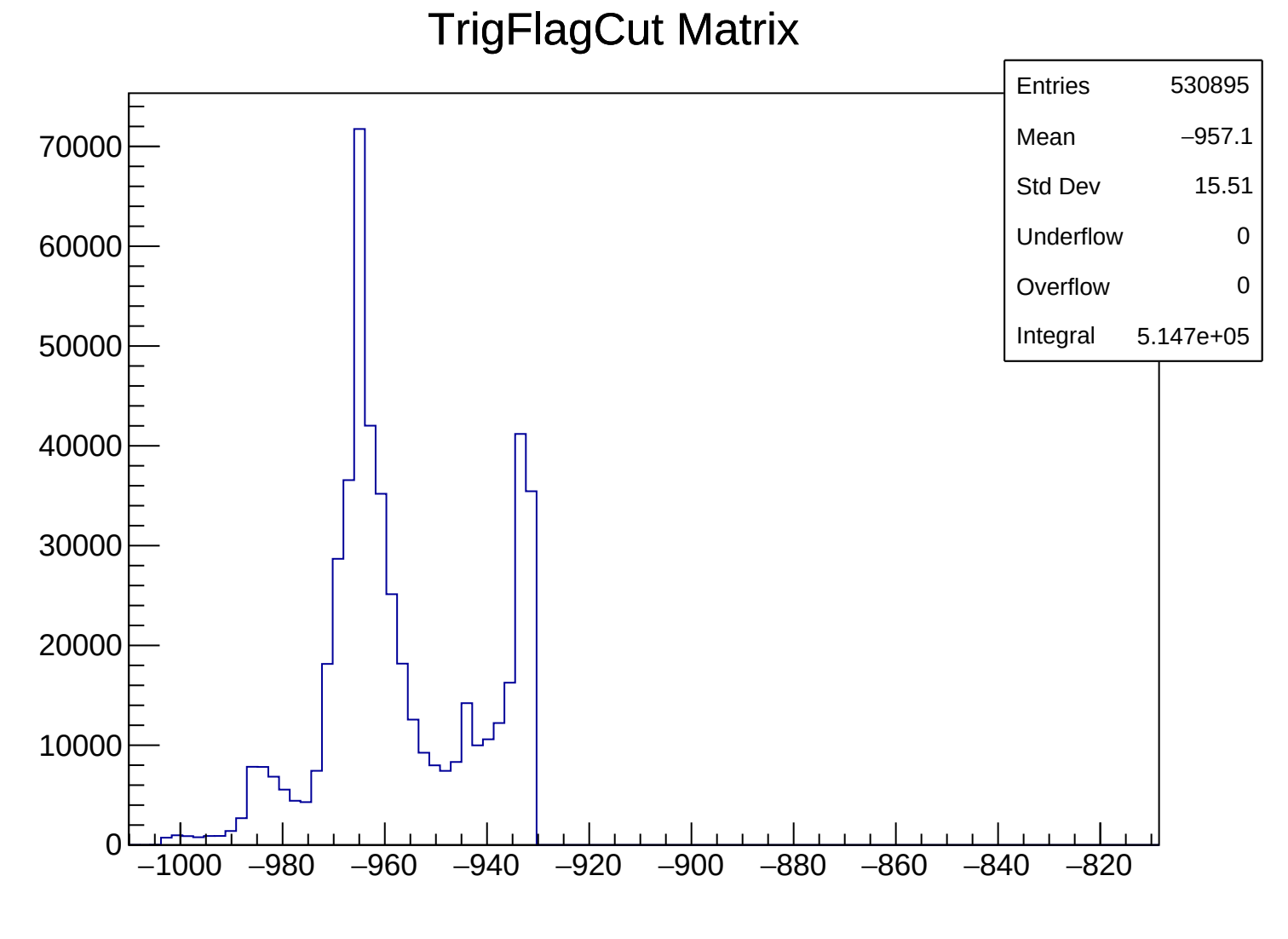
60000
50000
40000
30000
20000
10000
0
−2000
−1500
−1000
−500
0


TrigFlagCut Matrix
Entries 530895
Mean −957.1
Std Dev 15.51
Underflow 0
Overflow 0
Integral 5.147e+05
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60000
50000
40000
30000
20000
10000
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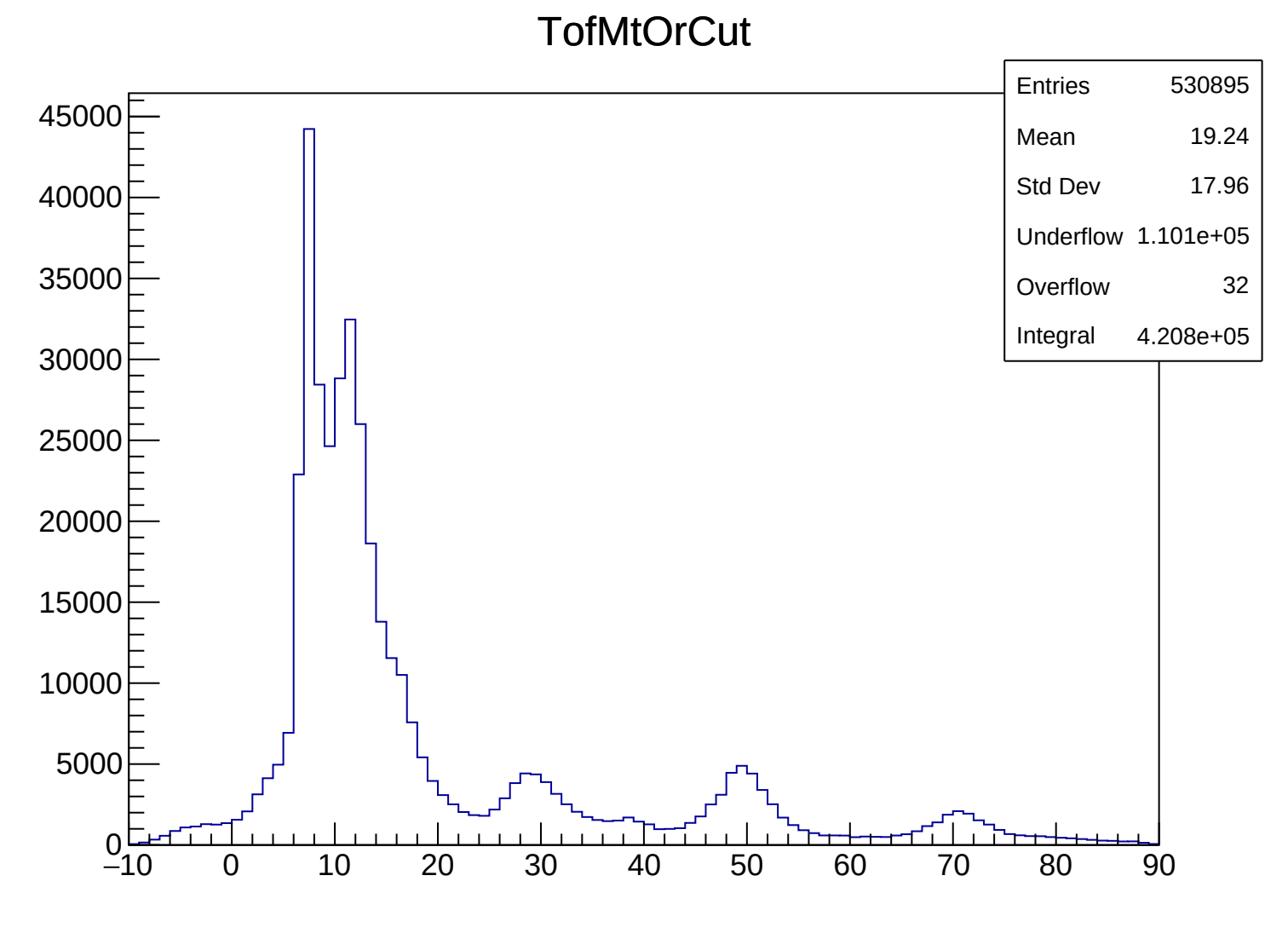
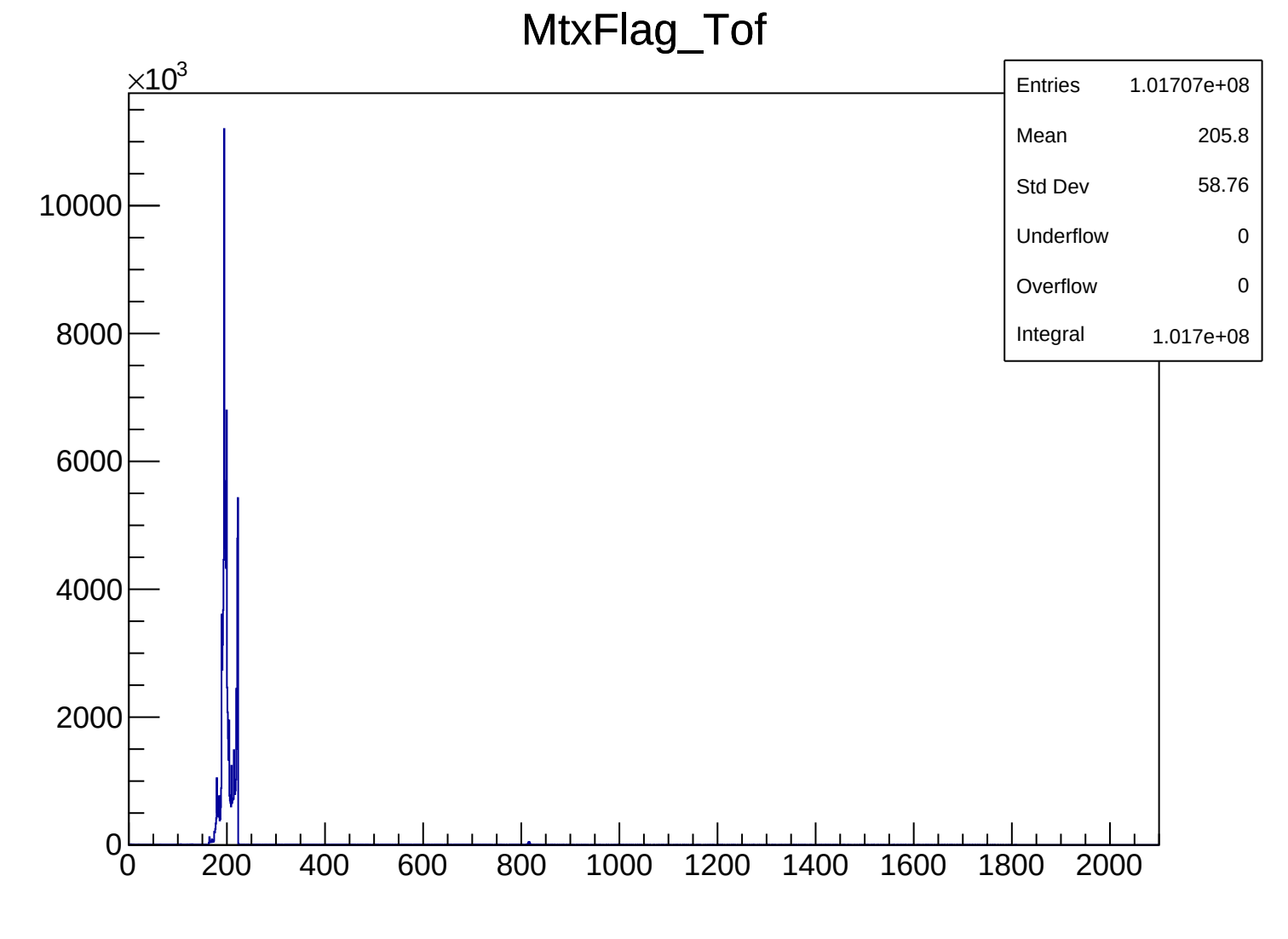
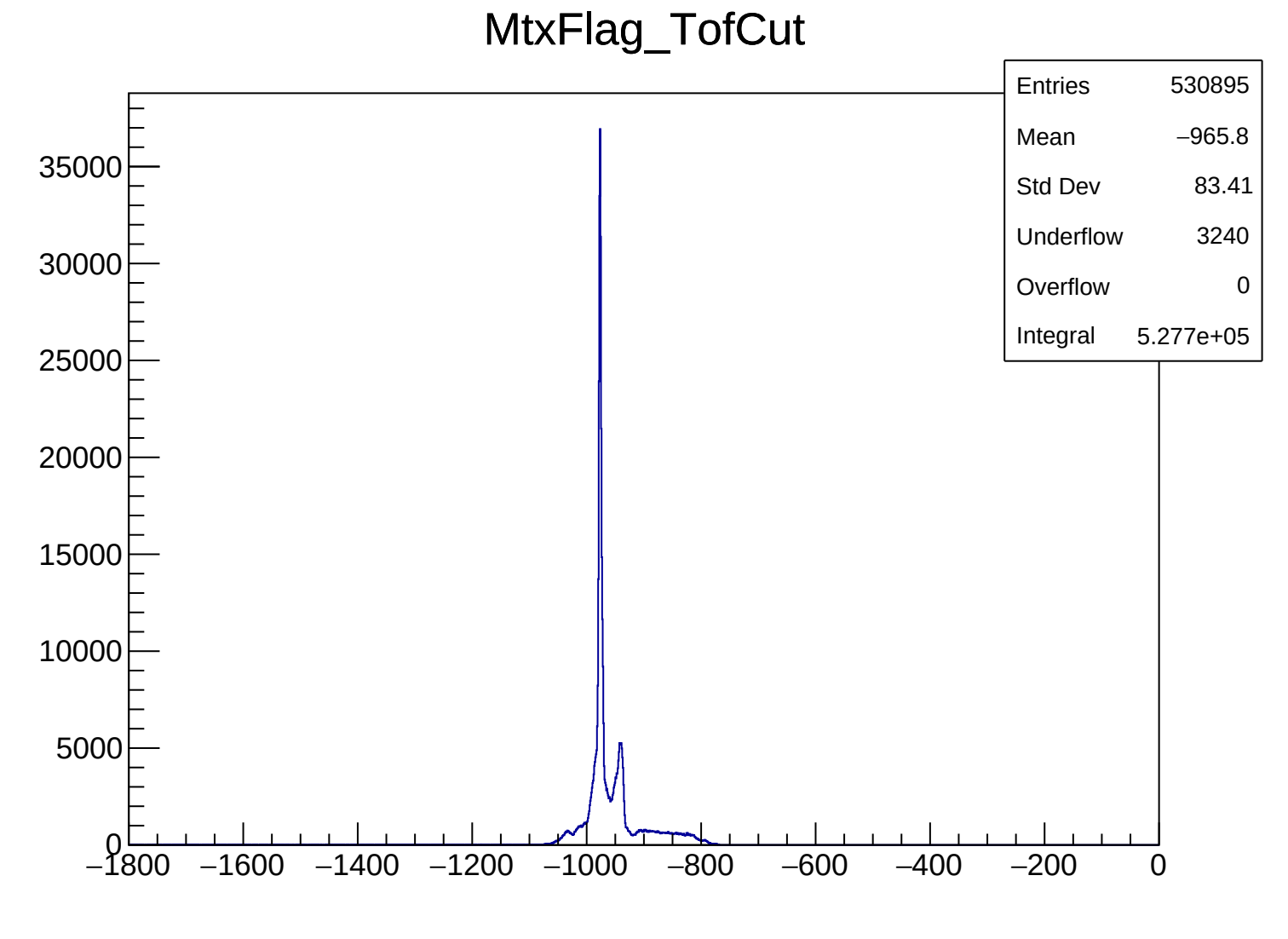
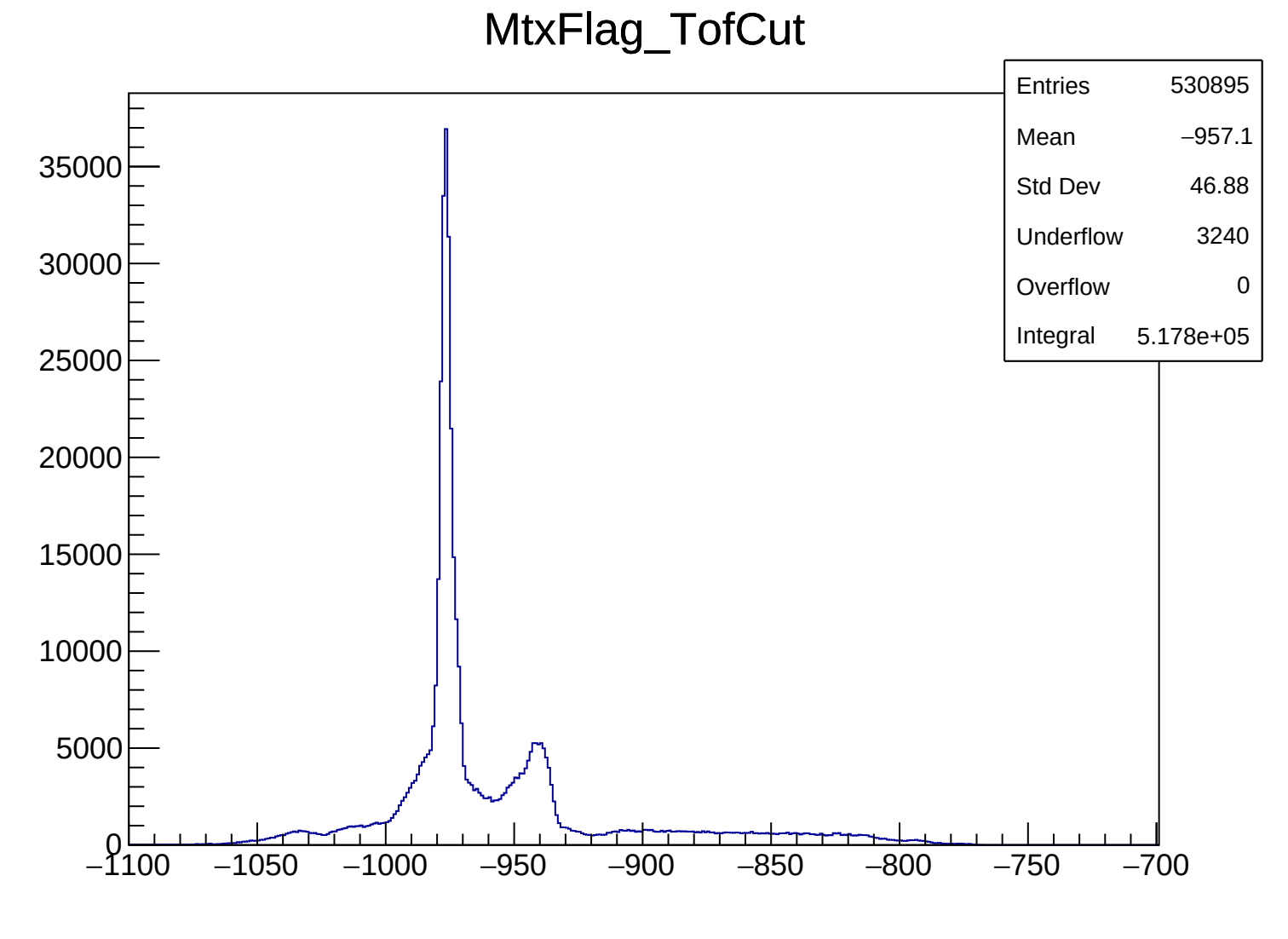
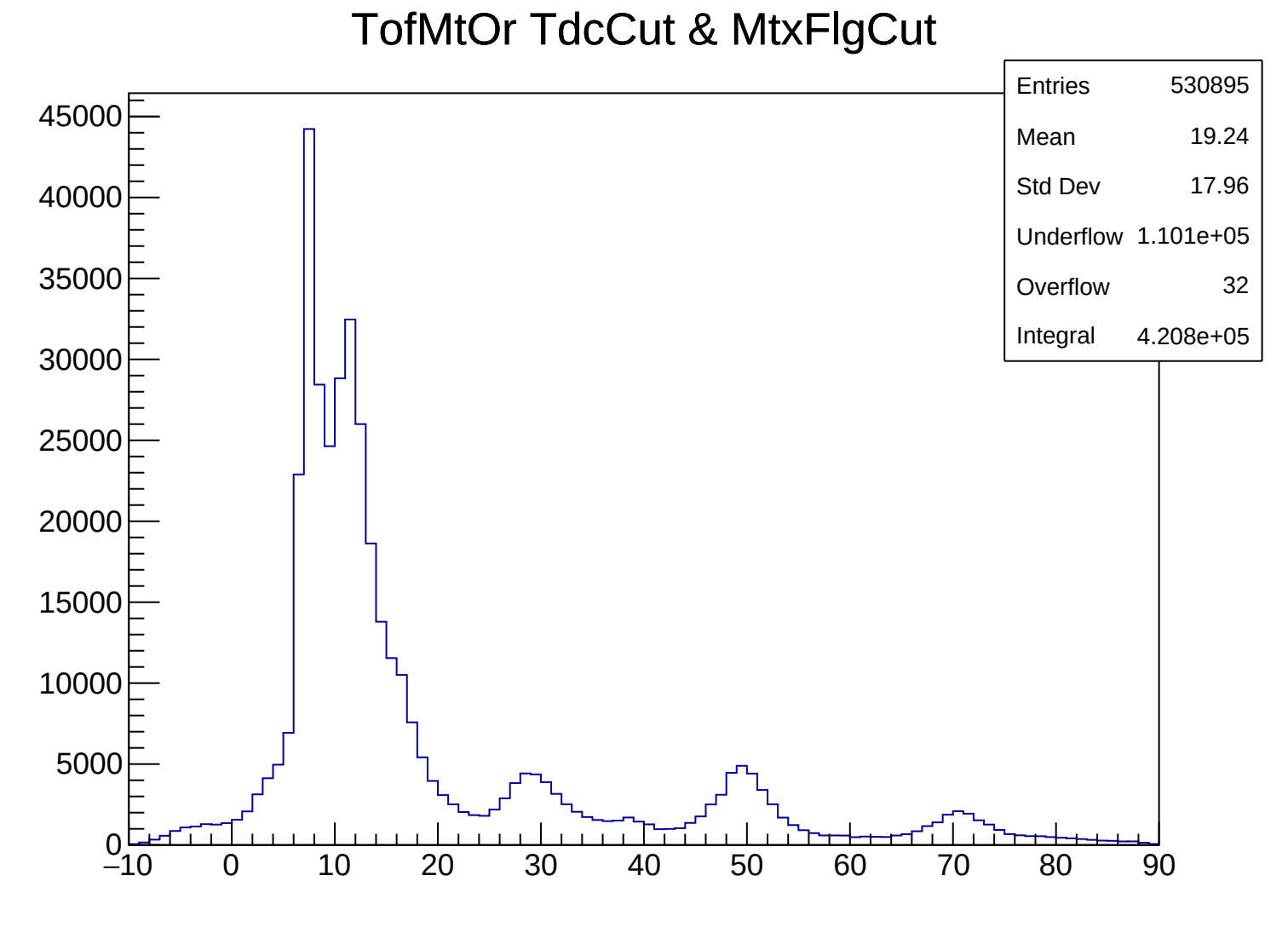
−900
−880
−860
−840
−820

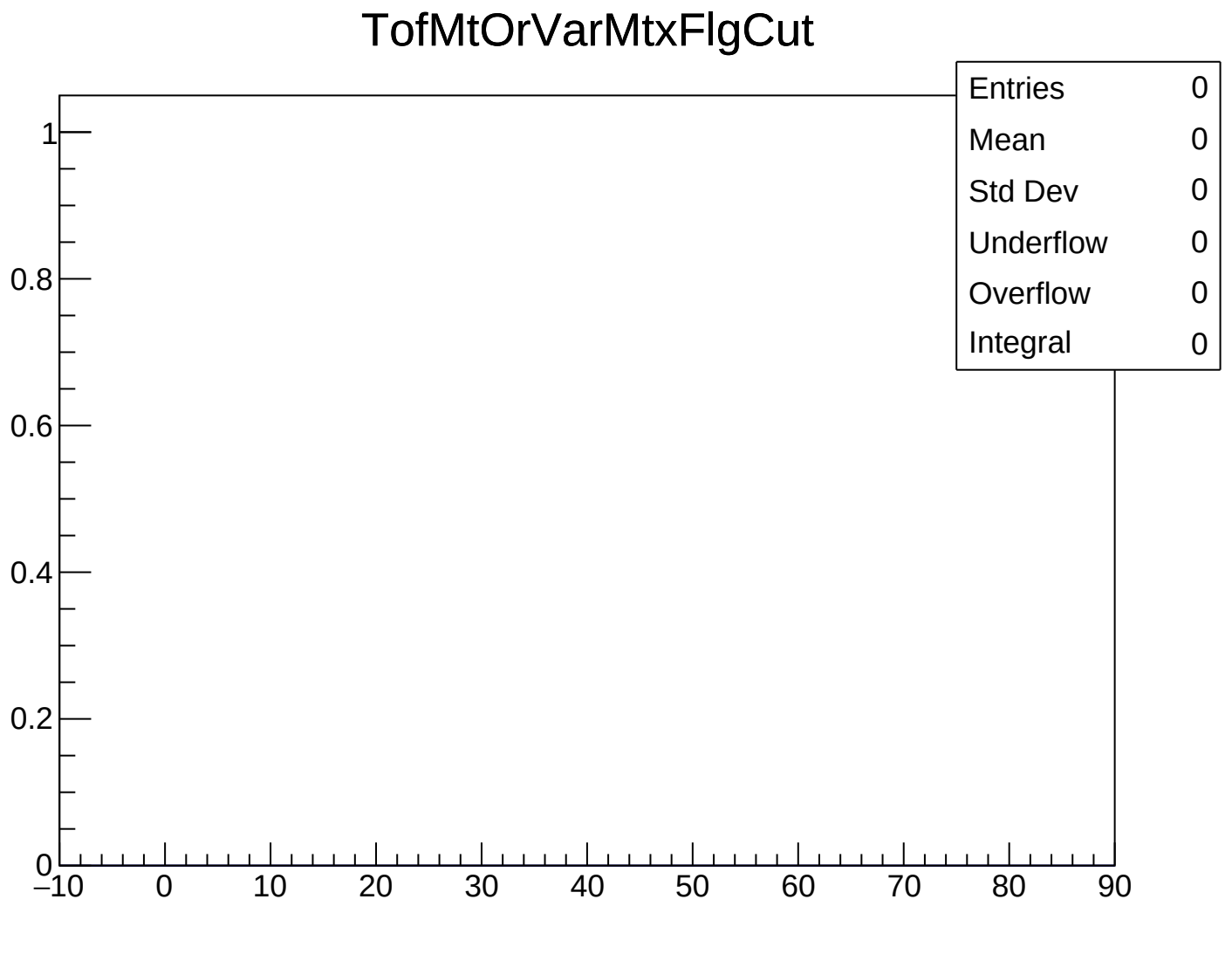

TofMtOrCut
Entries 530895
Mean 19.24
Std Dev 17.96
Underflow 1.101e+05
Overflow 32
Integral 4.208e+05
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−10
0
10
20
30
40
50
60
70
80
90

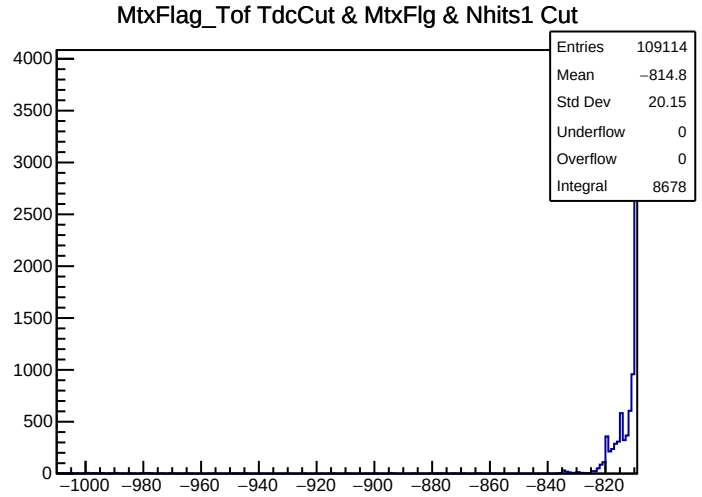

MtxFlag_Tof
×10^3
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Entries 1.01707e+08
Mean 205.8
Std Dev 58.76
Underflow 0
Overflow 0
Integral 1.017e+08

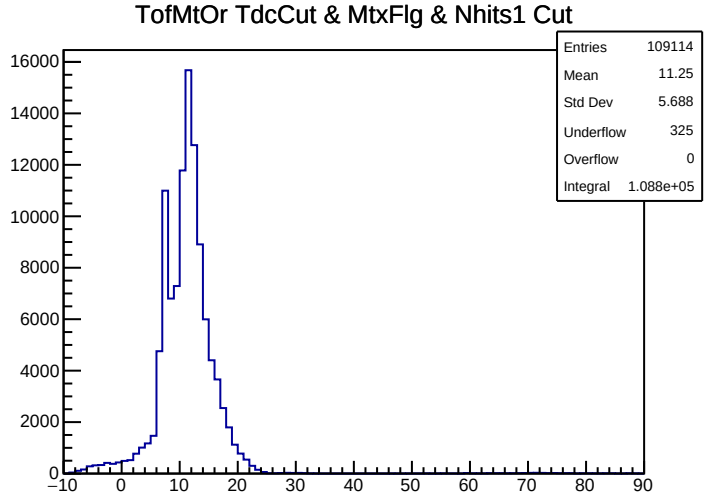

MtxFlag_TofCut
Entries 530895
Mean −965.8
Std Dev 83.41
Underflow 3240
Overflow 0
Integral 5.277e+05
35000
30000
25000
20000
15000
10000
5000
0
−1800
−1600
−1400
−1200
−1000
−800
−600
−400
−200
0

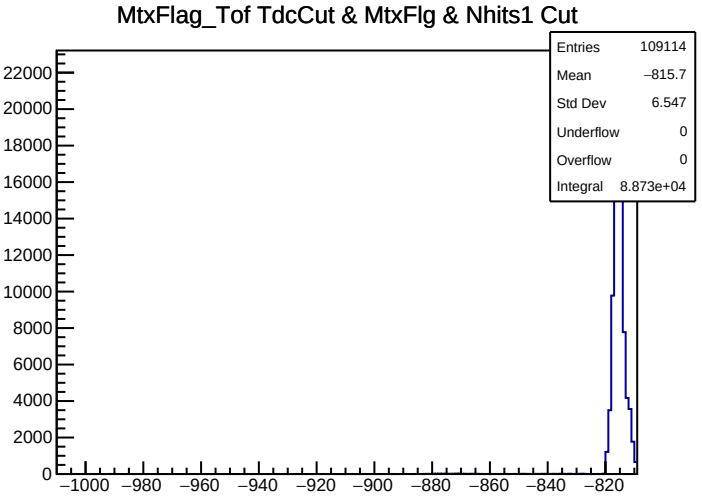

MtxFlag_TofCut
Entries 530895
Mean −957.1
Std Dev 46.88
Underflow 3240
Overflow 0
Integral 5.178e+05
35000
30000
25000
20000
15000
10000
5000
0
−1100
−1050
−1000
−950
−900
−850
−800
−750
−700

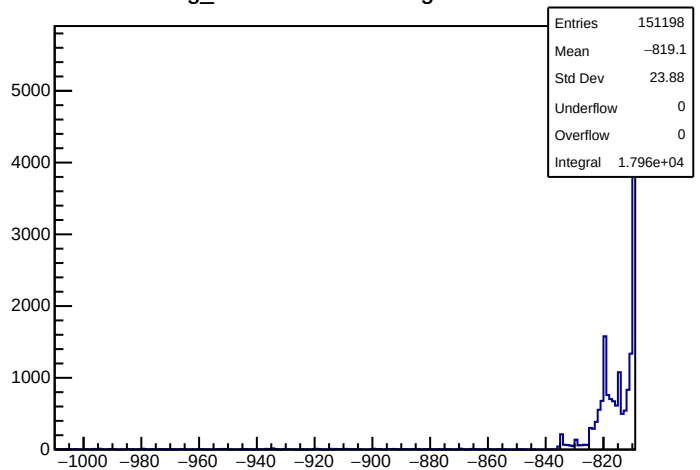

TofMtOr TdcCut & MtxFlgCut
Entries 530895
Mean 19.24
Std Dev 17.96
Underflow 1.101e+05
Overflow 32
Integral 4.208e+05
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−10
0
10
20
30
40
50
60
70
80
90

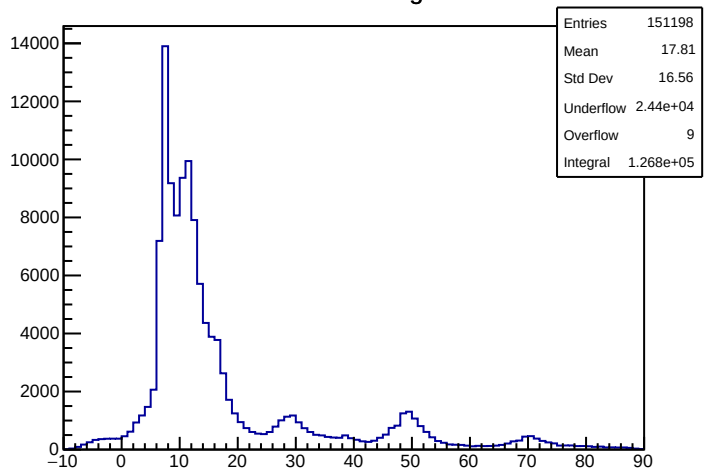

TofMtOrVarMtxFlgCut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10
0
10
20
30
40
50
60
70
80
90

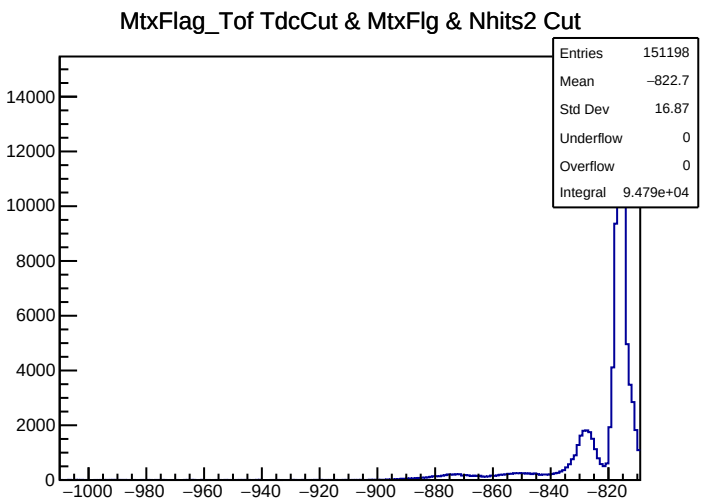

MtxFlag_Tof TdcCut & MtxFlg & Nhits1 Cut
Entries 109114
Mean −814.8
Std Dev 20.15
Underflow 0
Overflow 0
Integral 8678
4000
3500
3000
2500
2000
1500
1000
500
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

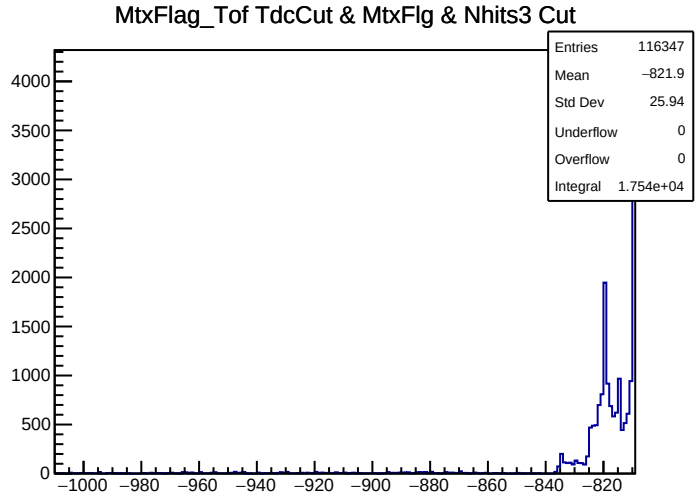

TofMtOr TdcCut & MtxFlg & Nhits1 Cut
Entries 109114
Mean 11.25
Std Dev 5.688
Underflow 325
Overflow 0
Integral 1.088e+05
16000
14000
12000
10000
8000
6000
4000
2000
0
−10 0 10 20 30 40 50 60 70 80 90

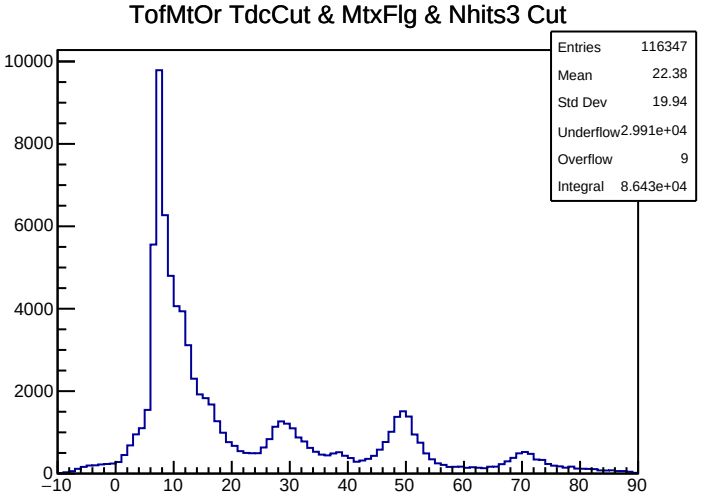

MtxFlag_Tof TdcCut & MtxFlg & Nhits1 Cut
Entries 109114
Mean −815.7
Std Dev 6.547
Underflow 0
Overflow 0
Integral 8.873e+04
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

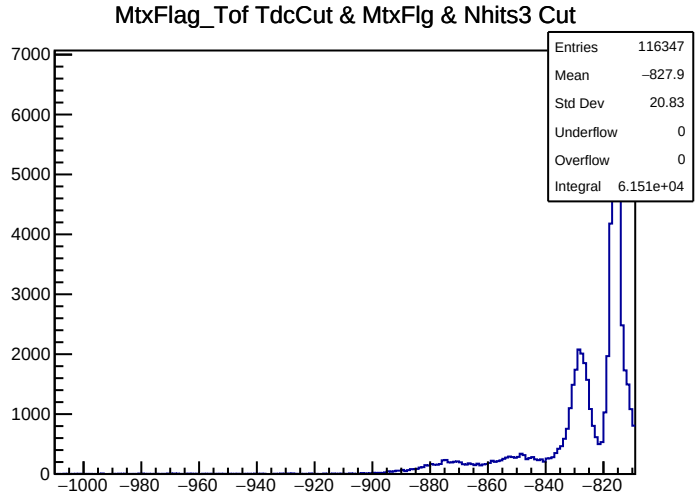

MtxFlag_Tof TdcCut & MtxFlg & Nhits2 Cut
Entries 151198
Mean −819.1
Std Dev 23.88
Underflow 0
Overflow 0
Integral 1.796e+04
5000
4000
3000
2000
1000
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

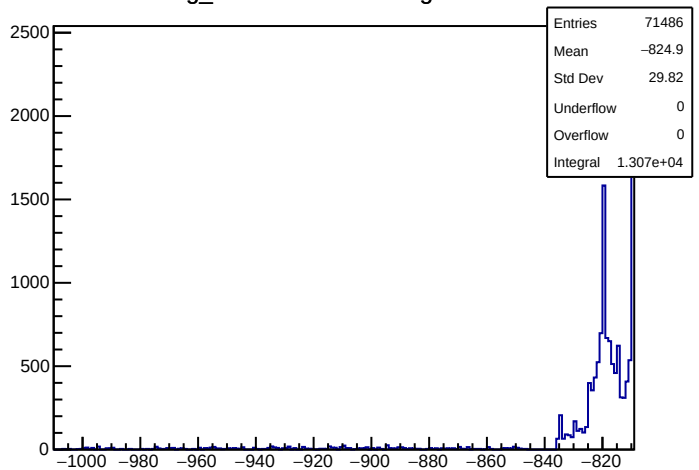

TofMtOr TdcCut & MtxFlg & Nhits2 Cut
Entries 151198
Mean 17.81
Std Dev 16.56
Underflow 2.44e+04
Overflow 9
Integral 1.268e+05
14000
12000
10000
8000
6000
4000
2000
0
−10 0 10 20 30 40 50 60 70 80 90

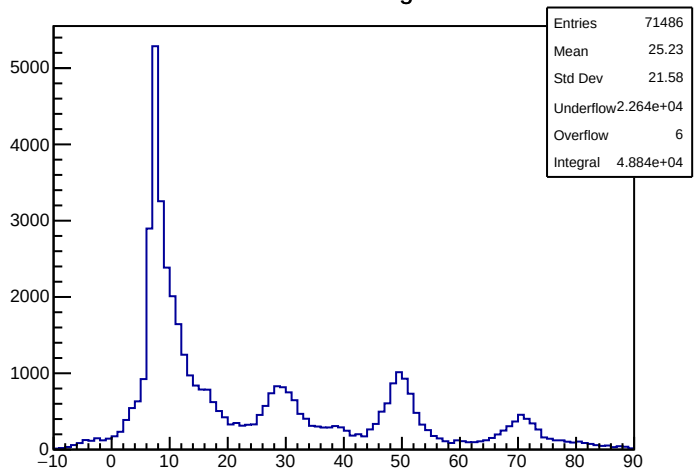

MtxFlag_Tof TdcCut & MtxFlg & Nhits2 Cut
Entries 151198
Mean −822.7
Std Dev 16.87
Underflow 0
Overflow 0
Integral 9.479e+04
14000
12000
10000
8000
6000
4000
2000
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

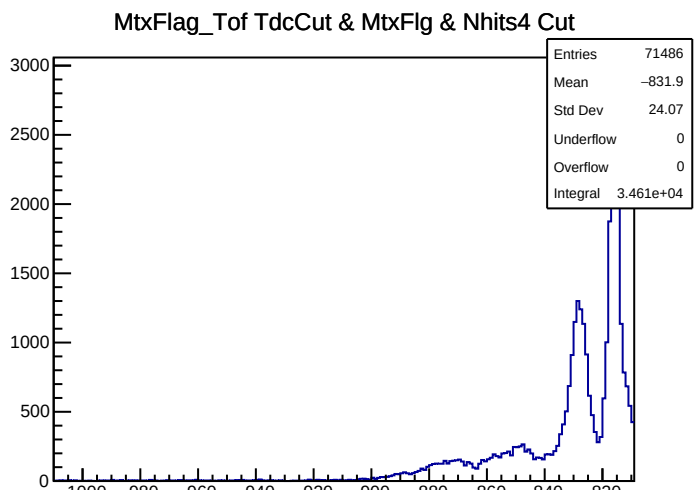

MtxFlag_Tof TdcCut & MtxFlg & Nhits3 Cut
Entries 116347
Mean −821.9
Std Dev 25.94
Underflow 0
Overflow 0
Integral 1.754e+04
4000
3500
3000
2500
2000
1500
1000
500
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

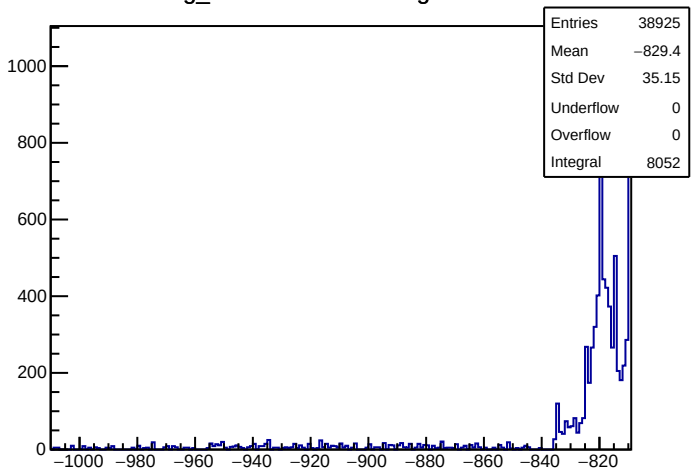

TofMtOr TdcCut & MtxFlg & Nhits3 Cut
Entries 116347
Mean 22.38
Std Dev 19.94
Underflow 2.991e+04
Overflow 9
Integral 8.643e+04
10000
8000
6000
4000
2000
0
−10 0 10 20 30 40 50 60 70 80 90

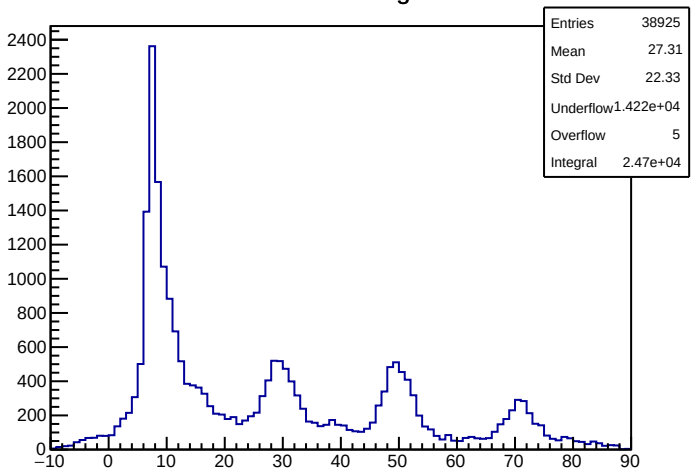

MtxFlag_Tof TdcCut & MtxFlg & Nhits3 Cut
Entries 116347
Mean −827.9
Std Dev 20.83
Underflow 0
Overflow 0
Integral 6.151e+04
7000
6000
5000
4000
3000
2000
1000
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

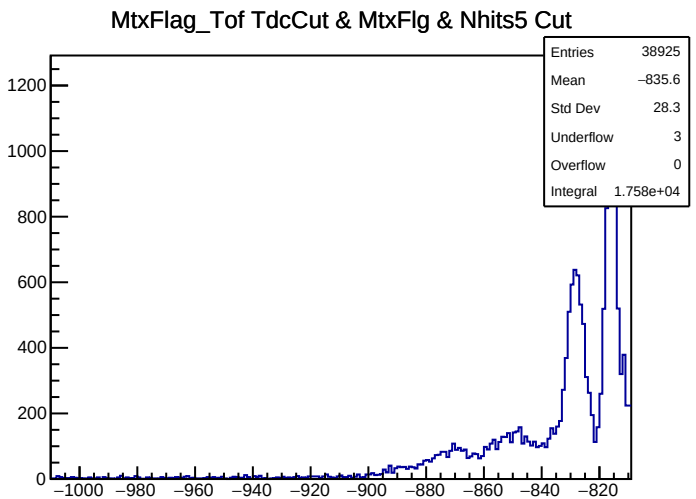

MtxFlag_Tof TdcCut & MtxFlg & Nhits4 Cut
Entries 71486
Mean −824.9
Std Dev 29.82
Underflow 0
Overflow 0
Integral 1.307e+04
2500
2000
1500
1000
500
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

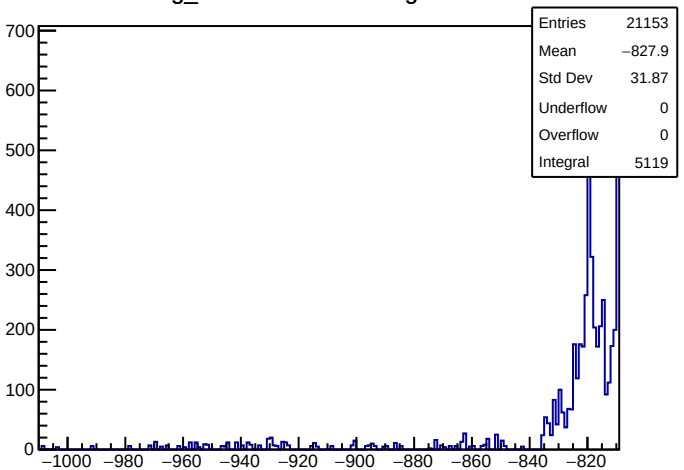

TofMtOr TdcCut & MtxFlg & Nhits4 Cut
Entries 71486
Mean 25.23
Std Dev 21.58
Underflow 2.264e+04
Overflow 6
Integral 4.884e+04
5000
4000
3000
2000
1000
0
−10 0 10 20 30 40 50 60 70 80 90

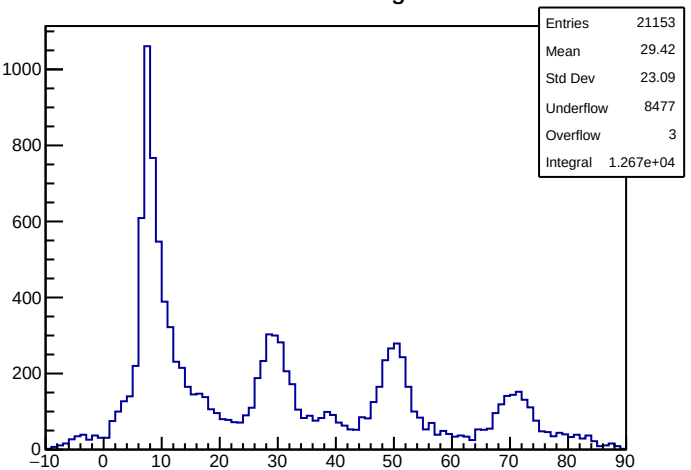

MtxFlag_Tof TdcCut & MtxFlg & Nhits4 Cut
Entries 71486
Mean −831.9
Std Dev 24.07
Underflow 0
Overflow 0
Integral 3.461e+04
3000
2500
2000
1500
1000
500
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

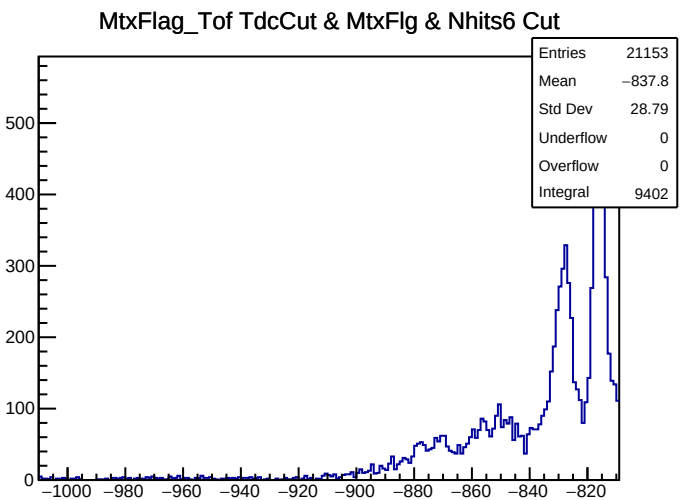

MtxFlag_Tof TdcCut & MtxFlg & Nhits5 Cut
Entries 38925
Mean −829.4
Std Dev 35.15
Underflow 0
Overflow 0
Integral 8052
1000
800
600
400
200
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

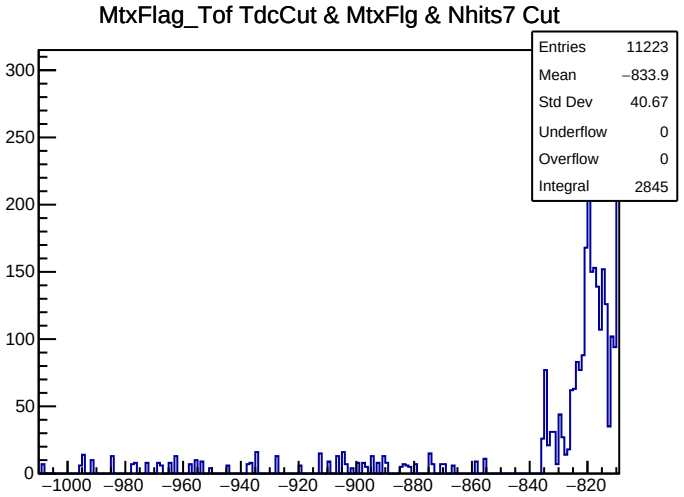

TofMtOr TdcCut & MtxFlg & Nhits5 Cut
Entries 38925
Mean 27.31
Std Dev 22.33
Underflow 1.422e+04
Overflow 5
Integral 2.47e+04
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−10 0 10 20 30 40 50 60 70 80 90

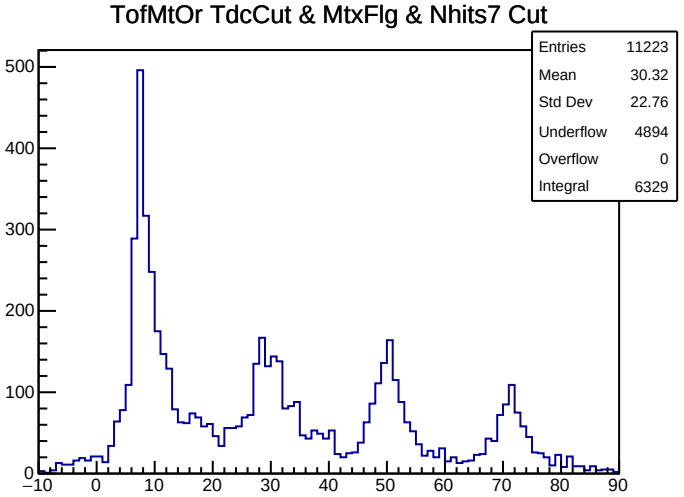

MtxFlag_Tof TdcCut & MtxFlg & Nhits5 Cut
Entries 38925
Mean −835.6
Std Dev 28.3
Underflow 3
Overflow 0
Integral 1.758e+04
1200
1000
800
600
400
200
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

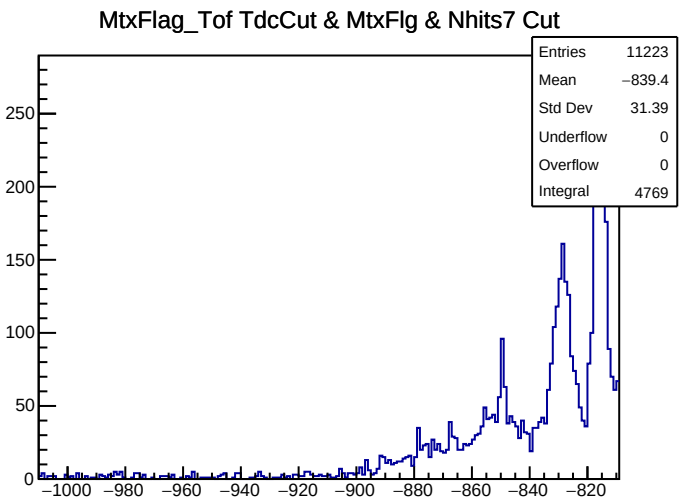

MtxFlag_Tof TdcCut & MtxFlg & Nhits6 Cut
Entries 21153
Mean −827.9
Std Dev 31.87
Underflow 0
Overflow 0
Integral 5119
700
600
500
400
300
200
100
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

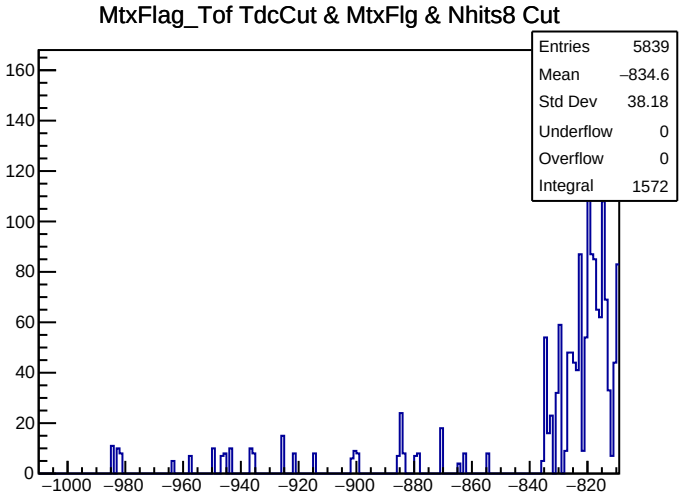

TofMtOr TdcCut & MtxFlg & Nhits6 Cut
Entries 21153
Mean 29.42
Std Dev 23.09
Underflow 8477
Overflow 3
Integral 1.267e+04
1000
800
600
400
200
0
−10 0 10 20 30 40 50 60 70 80 90

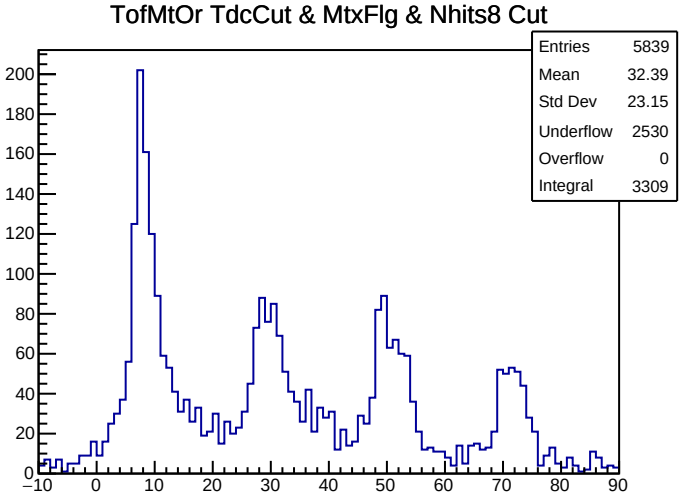

MtxFlag_Tof TdcCut & MtxFlg & Nhits6 Cut
Entries 21153
Mean −837.8
Std Dev 28.79
Underflow 0
Overflow 0
Integral 9402
500
400
300
200
100
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

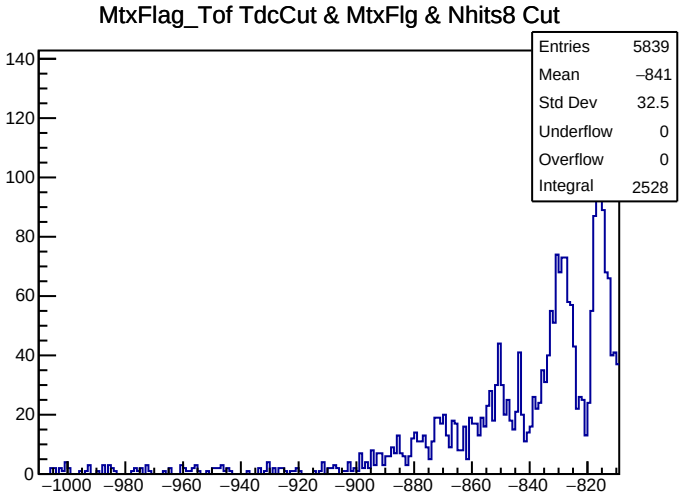

MtxFlag_Tof TdcCut & MtxFlg & Nhits7 Cut
Entries 11223
Mean −833.9
Std Dev 40.67
Underflow 0
Overflow 0
Integral 2845
300
250
200
150
100
50
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

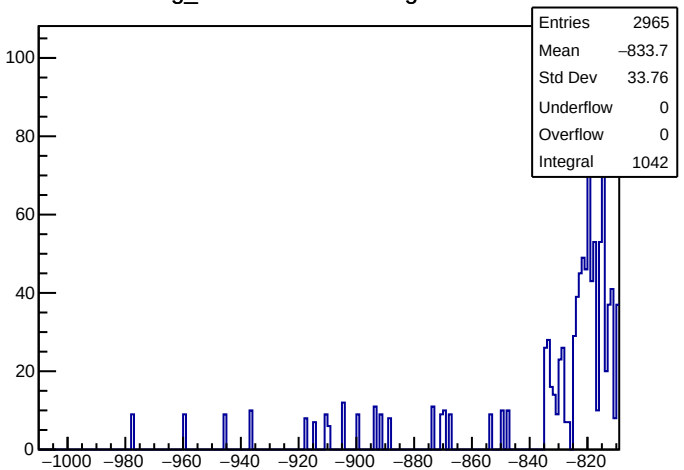

TofMtOr TdcCut & MtxFlg & Nhits7 Cut
Entries 11223
Mean 30.32
Std Dev 22.76
Underflow 4894
Overflow 0
Integral 6329
500
400
300
200
100
0
−10 0 10 20 30 40 50 60 70 80 90

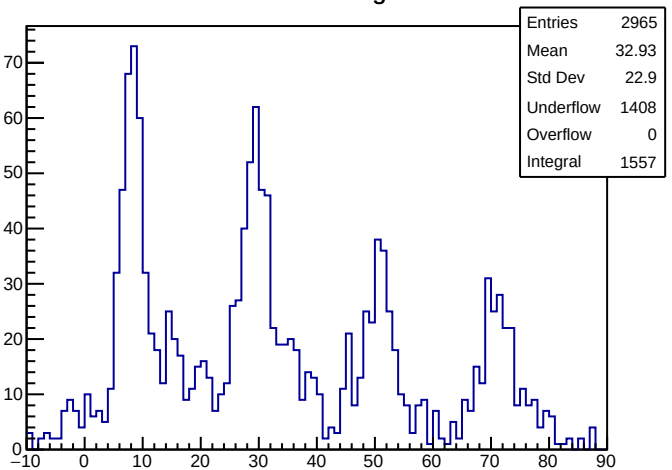

MtxFlag_Tof TdcCut & MtxFlg & Nhits7 Cut
Entries 11223
Mean −839.4
Std Dev 31.39
Underflow 0
Overflow 0
Integral 4769
250
200
150
100
50
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

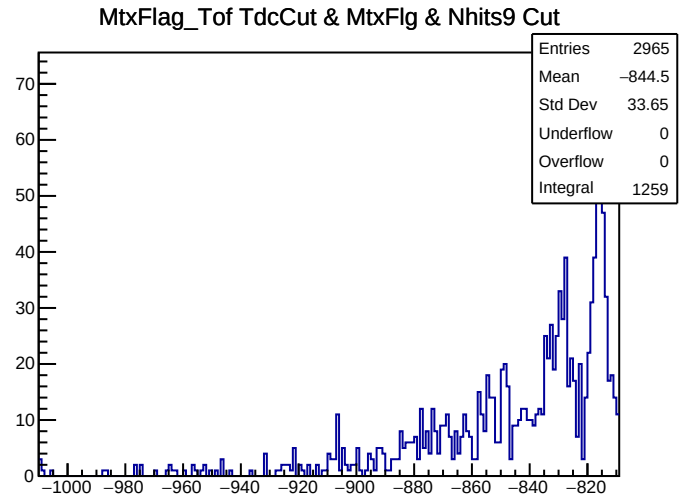

MtxFlag_Tof TdcCut & MtxFlg & Nhits8 Cut
Entries 5839
Mean −834.6
Std Dev 38.18
Underflow 0
Overflow 0
Integral 1572
0 20 40 60 80 100 120 140 160
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

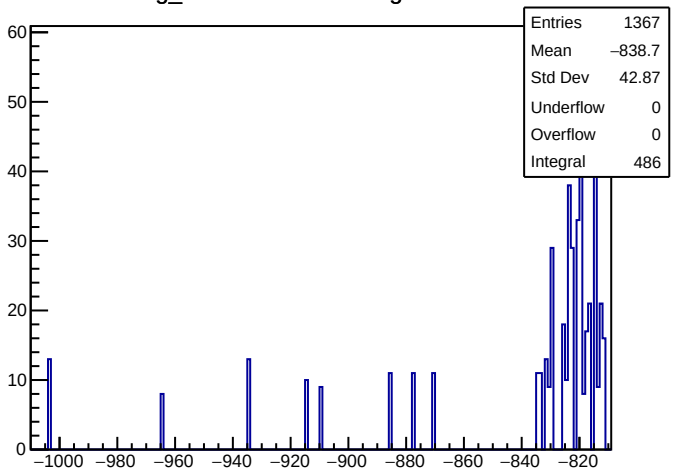

TofMtOr TdcCut & MtxFlg & Nhits8 Cut
Entries 5839
Mean 32.39
Std Dev 23.15
Underflow 2530
Overflow 0
Integral 3309
0 20 40 60 80 100 120 140 160 180 200
−10 0 10 20 30 40 50 60 70 80 90

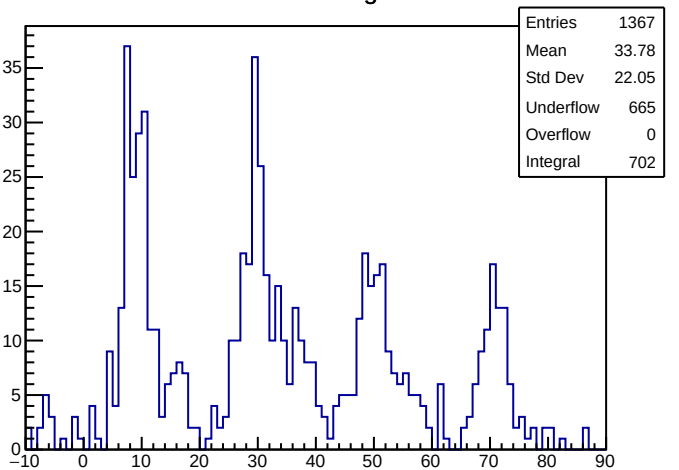

MtxFlag_Tof TdcCut & MtxFlg & Nhits8 Cut
Entries 5839
Mean −841
Std Dev 32.5
Underflow 0
Overflow 0
Integral 2528
0 20 40 60 80 100 120 140
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

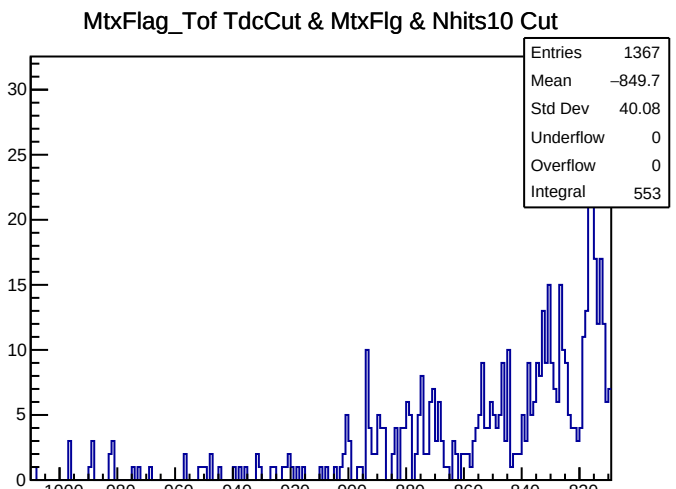

MtxFlag_Tof TdcCut & MtxFlg & Nhits9 Cut
Entries 2965
Mean −833.7
Std Dev 33.76
Underflow 0
Overflow 0
Integral 1042
100
80
60
40
20
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

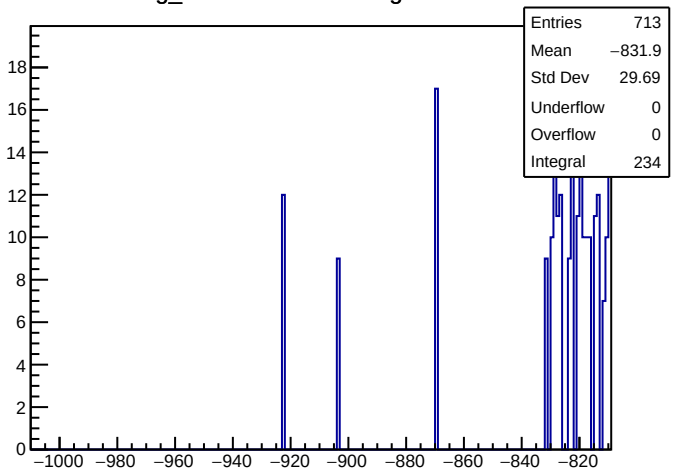

TofMtOr TdcCut & MtxFlg & Nhits9 Cut
Entries 2965
Mean 32.93
Std Dev 22.9
Underflow 1408
Overflow 0
Integral 1557
70
60
50
40
30
20
10
0
−10 0 10 20 30 40 50 60 70 80 90

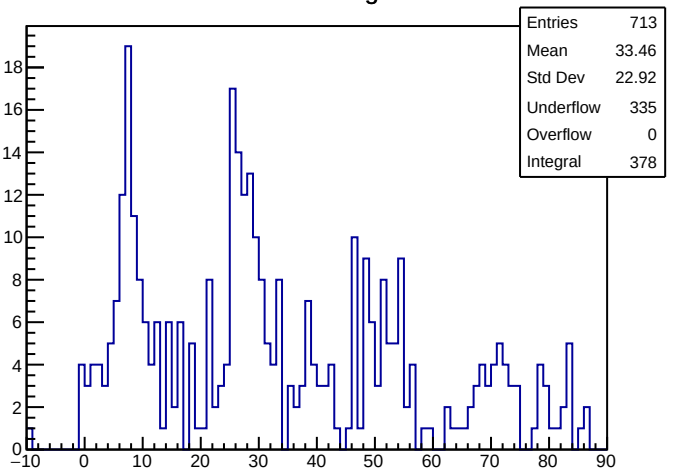

MtxFlag_Tof TdcCut & MtxFlg & Nhits9 Cut
Entries 2965
Mean −844.5
Std Dev 33.65
Underflow 0
Overflow 0
Integral 1259
70
60
50
40
30
20
10
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag_Tof TdcCut & MtxFlg & Nhits10 Cut
Entries 1367
Mean −838.7
Std Dev 42.87
Underflow 0
Overflow 0
Integral 486
60
50
40
30
20
10
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits10 Cut
Entries 1367
Mean 33.78
Std Dev 22.05
Underflow 665
Overflow 0
Integral 702
35
30
25
20
15
10
5
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits10 Cut
Entries 1367
Mean −849.7
Std Dev 40.08
Underflow 0
Overflow 0
Integral 553
30
25
20
15
10
5
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag_Tof TdcCut & MtxFlg & Nhits11 Cut
Entries 713
Mean −831.9
Std Dev 29.69
Underflow 0
Overflow 0
Integral 234
0 2 4 6 8 10 12 14 16 18
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits11 Cut
Entries 713
Mean 33.46
Std Dev 22.92
Underflow 335
Overflow 0
Integral 378
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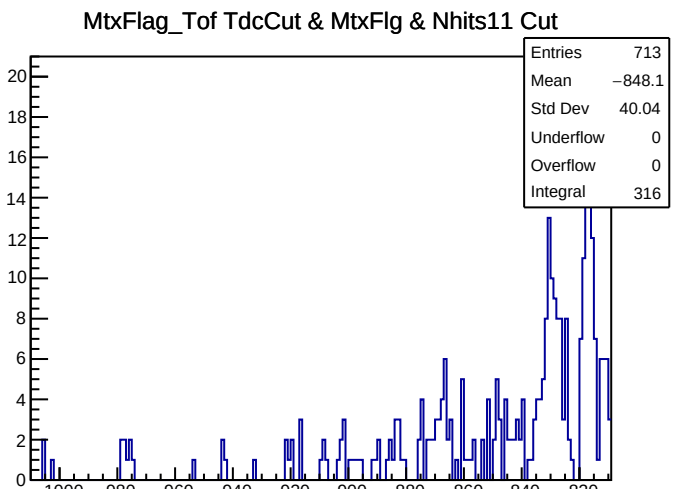
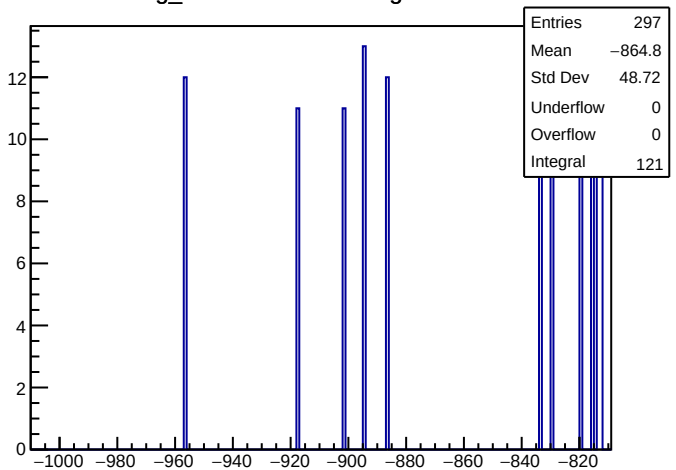
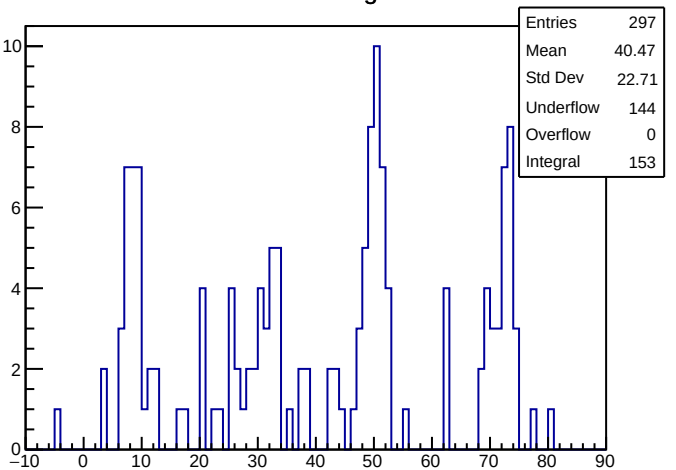
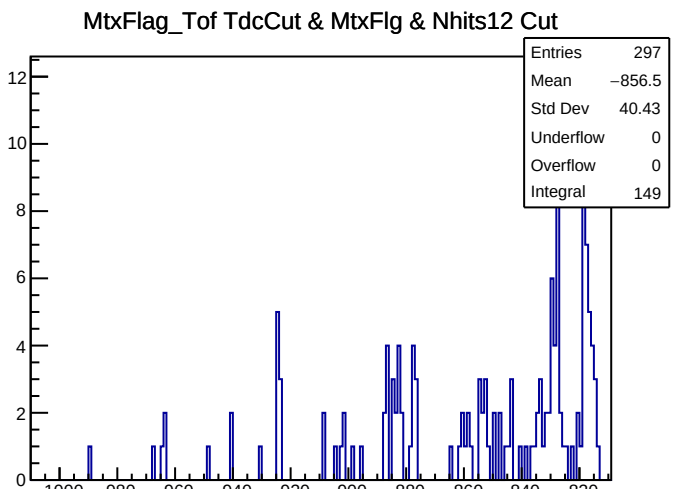
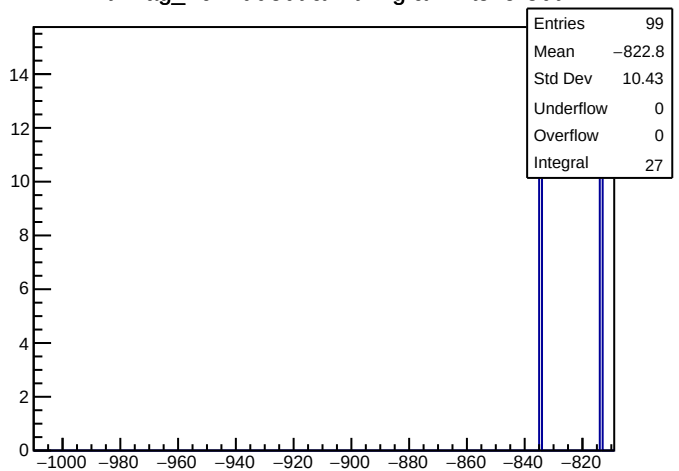
−10 0 10 20 30 40 50 60 70 80 90

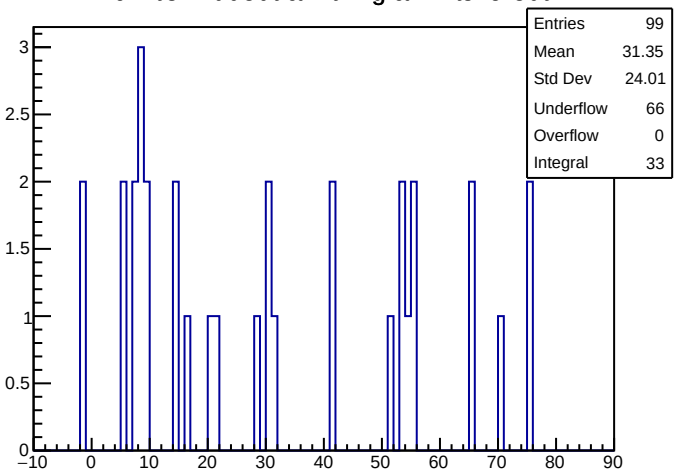

MtxFlag_Tof TdcCut & MtxFlg & Nhits11 Cut
Entries 713
Mean −848.1
Std Dev 40.04
Underflow 0
Overflow 0
Integral 316
0 2 4 6 8 10 12 14 16 18 20
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

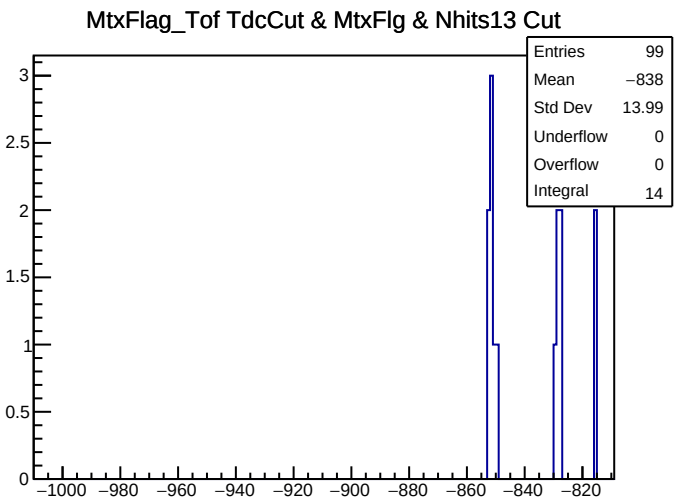

MtxFlag_Tof TdcCut & MtxFlg & Nhits12 Cut
Entries 297
Mean −864.8
Std Dev 48.72
Underflow 0
Overflow 0
Integral 121
0 2 4 6 8 10 12
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

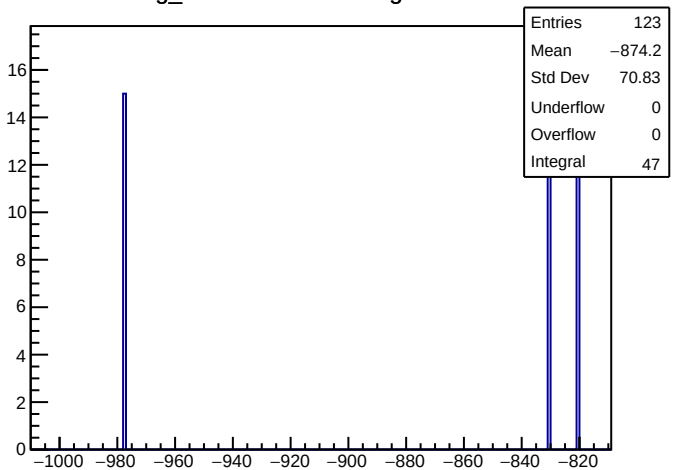

TofMtOr TdcCut & MtxFlg & Nhits12 Cut
Entries 297
Mean 40.47
Std Dev 22.71
Underflow 144
Overflow 0
Integral 153
0 2 4 6 8 10
−10 0 10 20 30 40 50 60 70 80 90

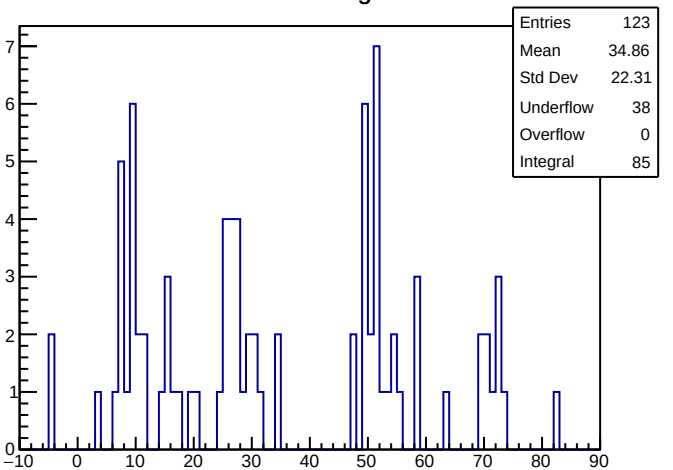

MtxFlag_Tof TdcCut & MtxFlg & Nhits12 Cut
Entries 297
Mean −856.5
Std Dev 40.43
Underflow 0
Overflow 0
Integral 149
0 2 4 6 8 10 12
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

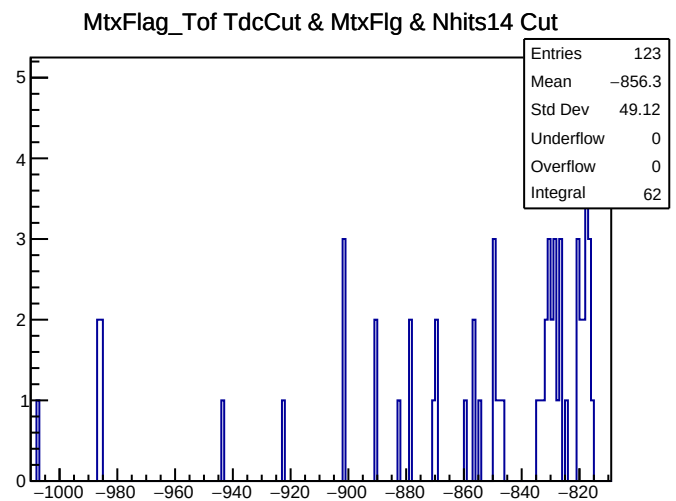

MtxFlag_Tof TdcCut & MtxFlg & Nhits13 Cut
Entries 99
Mean −822.8
Std Dev 10.43
Underflow 0
Overflow 0
Integral 27
0 2 4 6 8 10 12 14
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

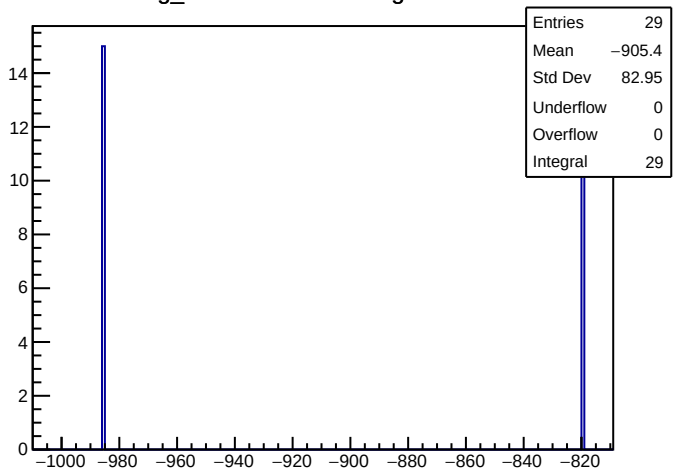

TofMtOr TdcCut & MtxFlg & Nhits13 Cut
Entries 99
Mean 31.35
Std Dev 24.01
Underflow 66
Overflow 0
Integral 33
0 0.5 1 1.5 2 2.5 3
−10 0 10 20 30 40 50 60 70 80 90

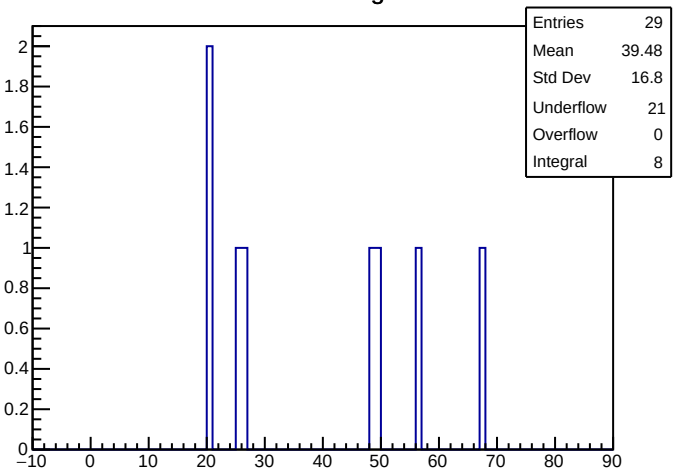

MtxFlag_Tof TdcCut & MtxFlg & Nhits13 Cut
Entries 99
Mean −838
Std Dev 13.99
Underflow 0
Overflow 0
Integral 14
0 0.5 1 1.5 2 2.5 3
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

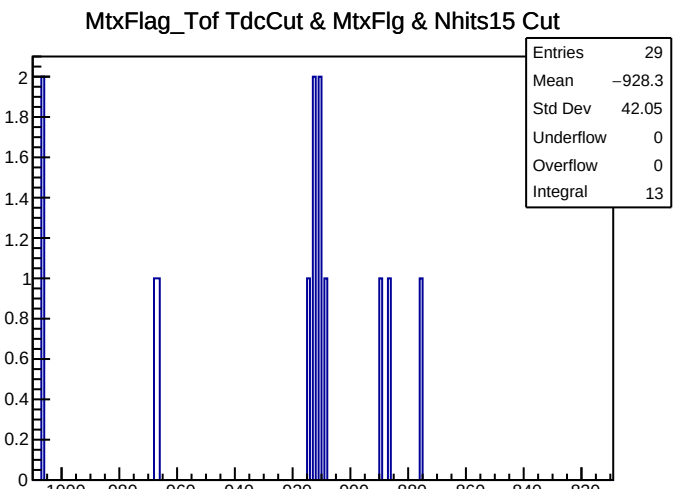

MtxFlag_Tof TdcCut & MtxFlg & Nhits14 Cut
Entries 123
Mean −874.2
Std Dev 70.83
Underflow 0
Overflow 0
Integral 47
0 2 4 6 8 10 12 14 16
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits14 Cut
Entries 123
Mean 34.86
Std Dev 22.31
Underflow 38
Overflow 0
Integral 85
0 1 2 3 4 5 6 7
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits14 Cut
Entries 123
Mean −856.3
Std Dev 49.12
Underflow 0
Overflow 0
Integral 62
0 1 2 3 4 5
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag_Tof TdcCut & MtxFlg & Nhits15 Cut
Entries 29
Mean −905.4
Std Dev 82.95
Underflow 0
Overflow 0
Integral 29


TofMtOr TdcCut & MtxFlg & Nhits15 Cut
Entries 29
Mean 39.48
Std Dev 16.8
Underflow 21
Overflow 0
Integral 8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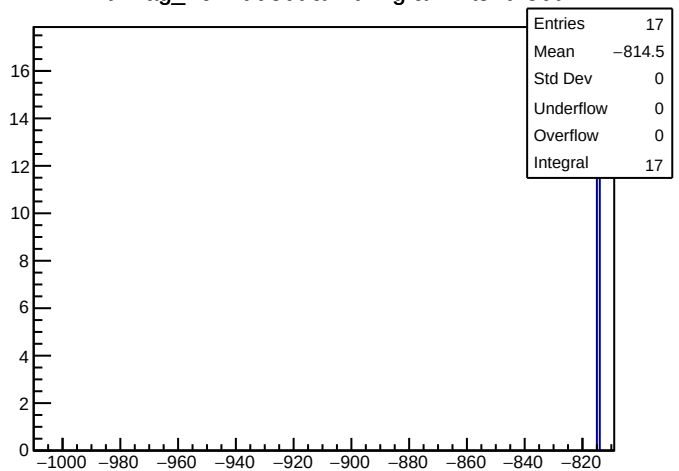
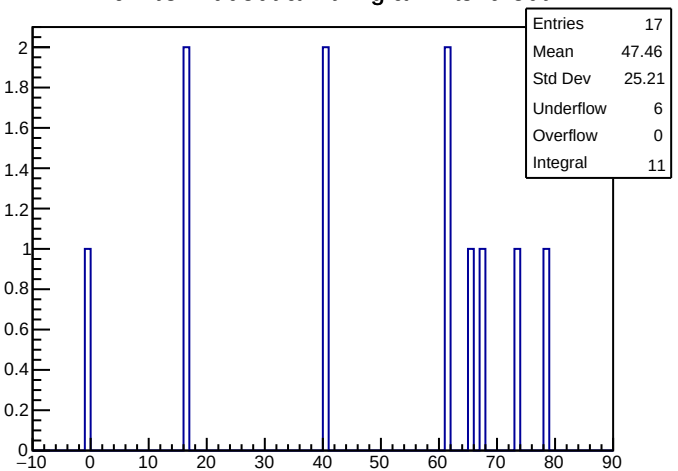
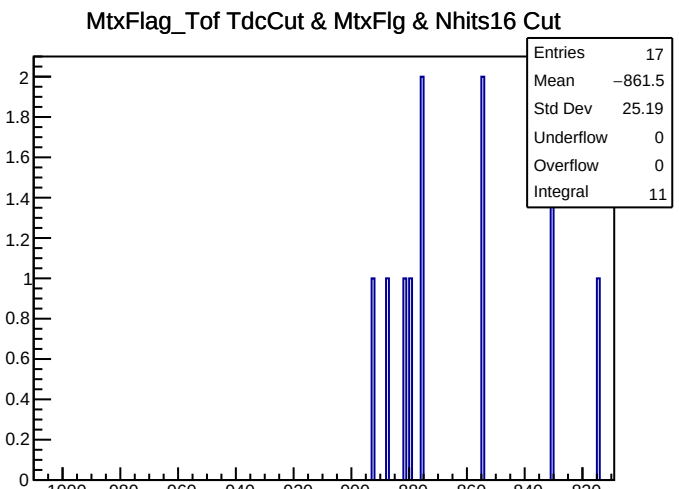
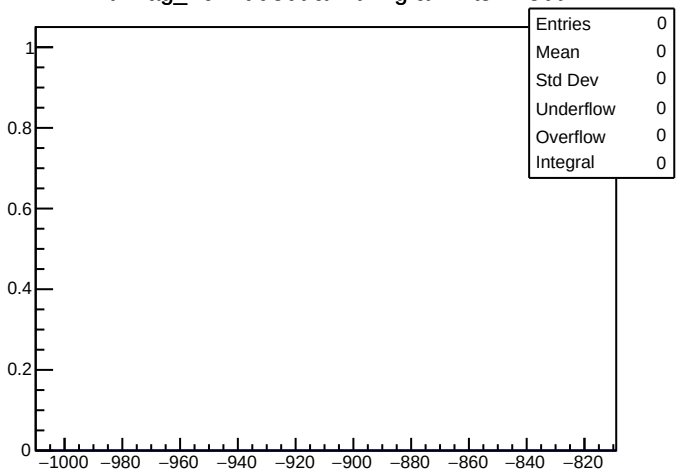
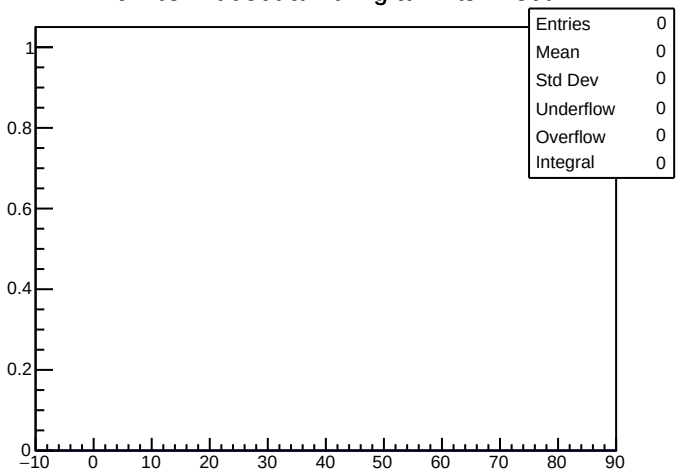
Entries 29
Mean −928.3
Std Dev 42.05
Underflow 0
Overflow 0
Integral 13

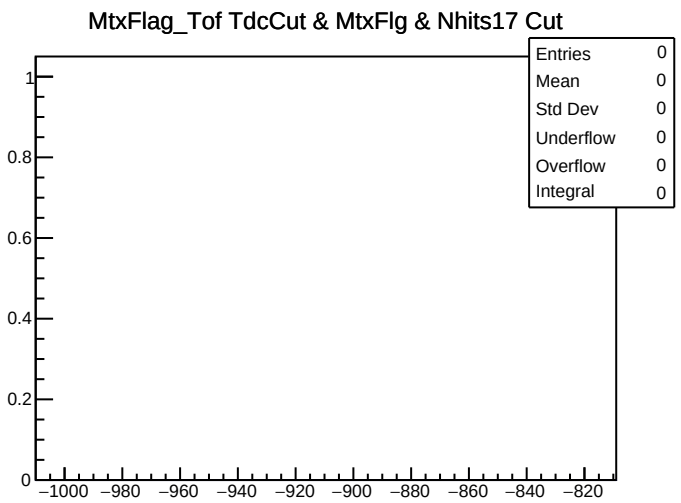

MtxFlag_Tof TdcCut & MtxFlg & Nhits16 Cut
Entries 17
Mean −814.5
Std Dev 0
Underflow 0
Overflow 0
Integral 17
0 2 4 6 8 10 12 14 16
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

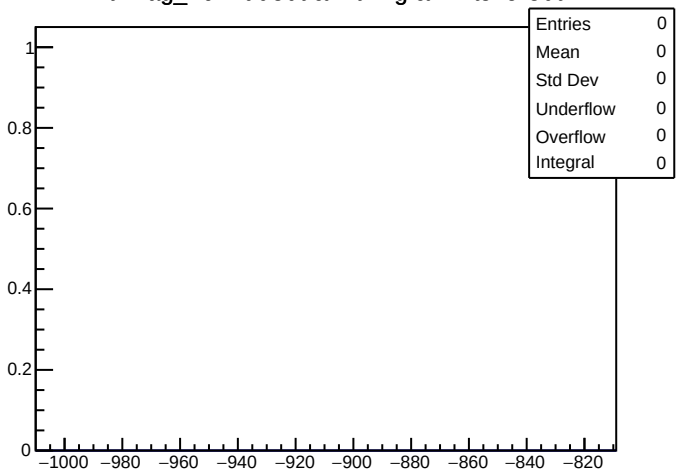

TofMtOr TdcCut & MtxFlg & Nhits16 Cut
Entries 17
Mean 47.46
Std Dev 25.21
Underflow 6
Overflow 0
Integral 11
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
−10 0 10 20 30 40 50 60 70 80 90

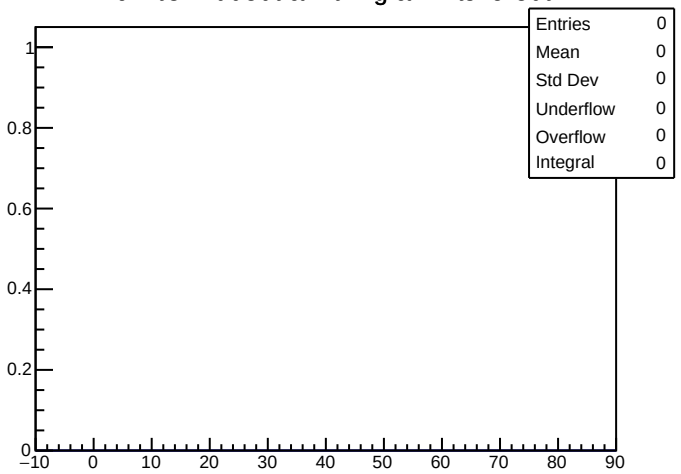

MtxFlag_Tof TdcCut & MtxFlg & Nhits16 Cut
Entries 17
Mean −861.5
Std Dev 25.19
Underflow 0
Overflow 0
Integral 11
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

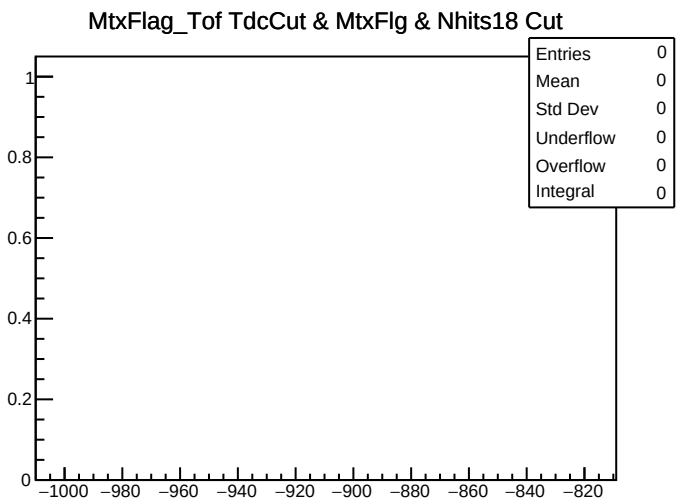

MtxFlag_Tof TdcCut & MtxFlg & Nhits17 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits17 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits17 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag_Tof TdcCut & MtxFlg & Nhits18 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits18 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits18 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
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0.6
0.4
0.2
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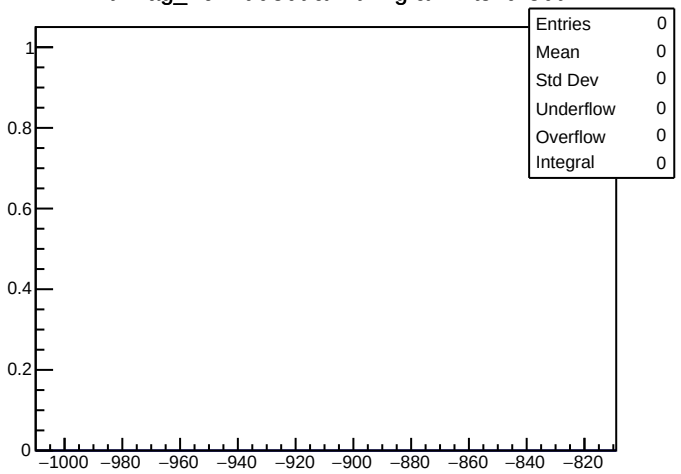
MtxFlag_Tof TdcCut & MtxFlg & Nhits19 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
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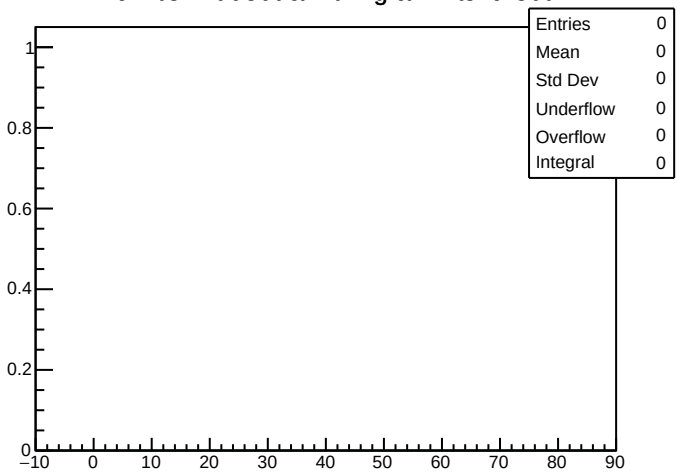
TofMtOr TdcCut & MtxFlg & Nhits19 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
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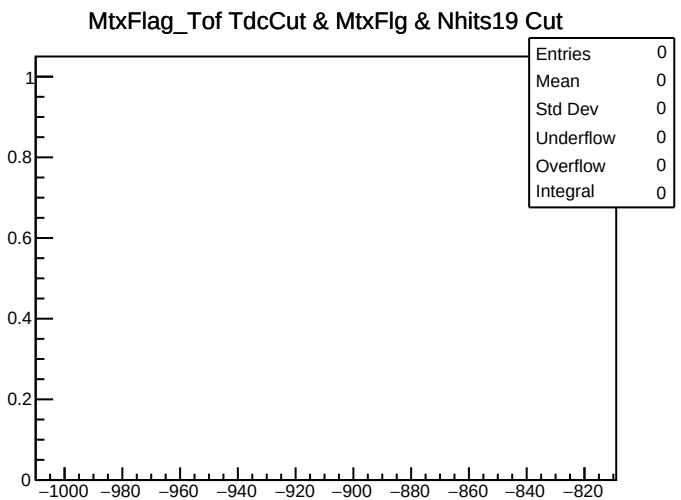
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90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Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
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0.4
0.2
0
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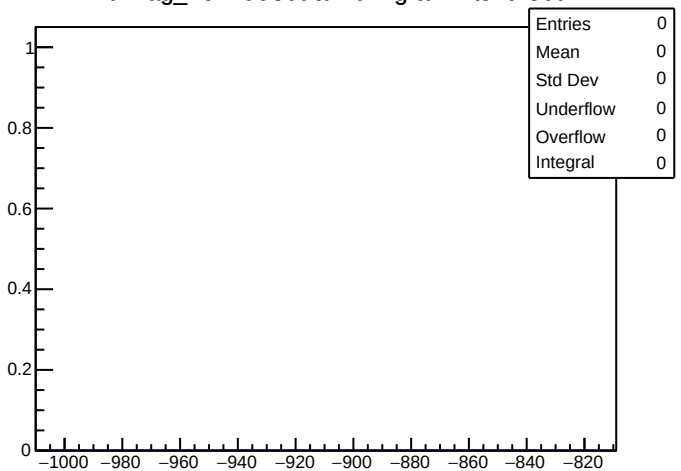
MtxFlag_Tof TdcCut & MtxFlg & Nhits20 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
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0.4
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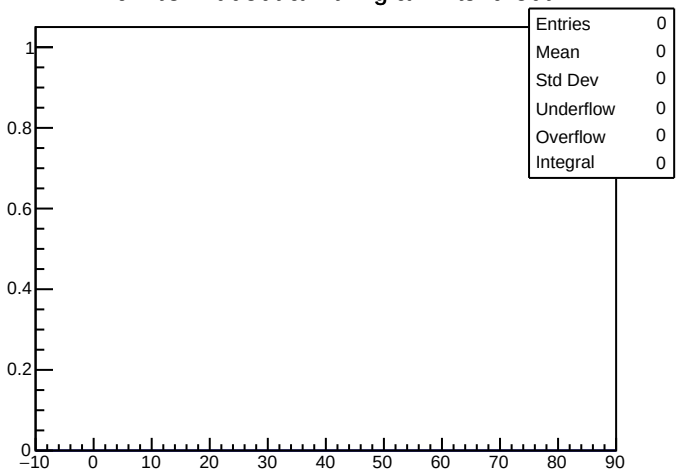
TofMtOr TdcCut & MtxFlg & Nhits20 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
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0.6
0.4
0.2
0
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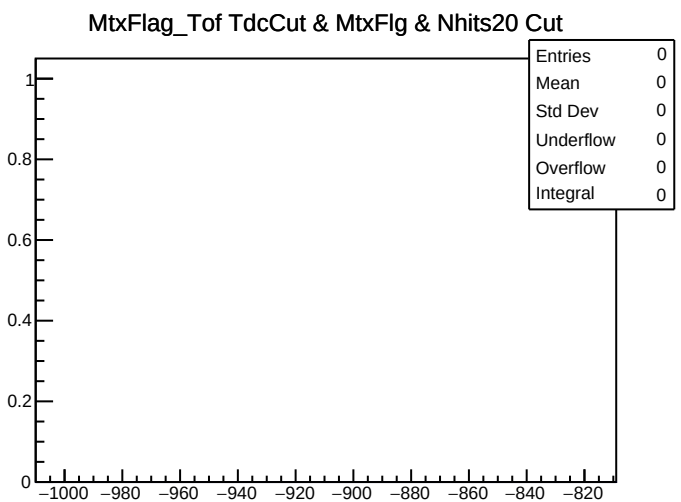
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Entries 0
Mean 0
Std Dev 0
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Overflow 0
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0.4
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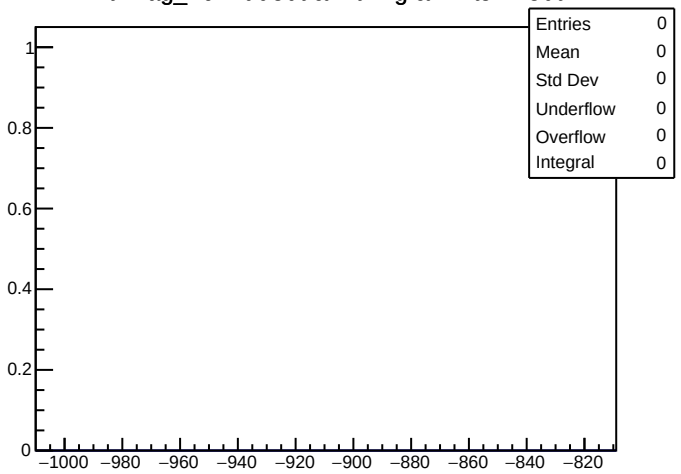
MtxFlag_Tof TdcCut & MtxFlg & Nhits21 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
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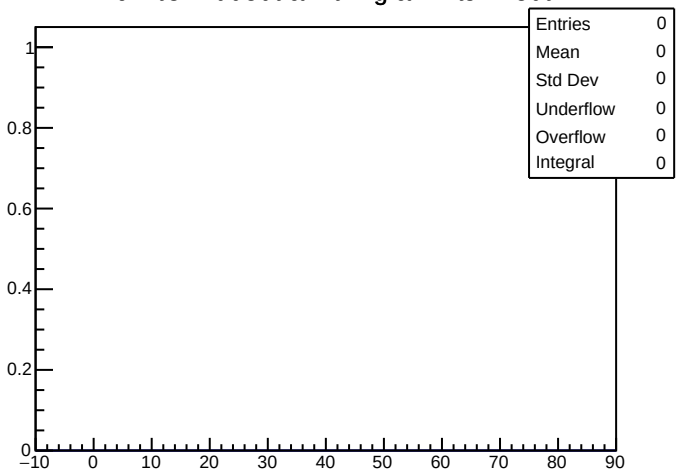
TofMtOr TdcCut & MtxFlg & Nhits21 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
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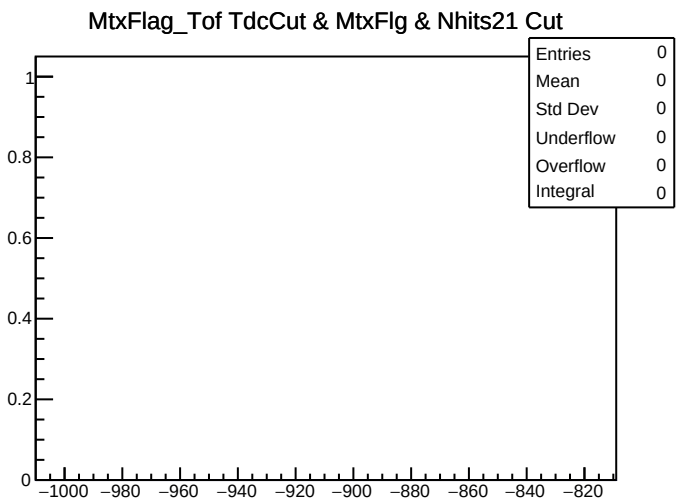
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits21 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
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0.4
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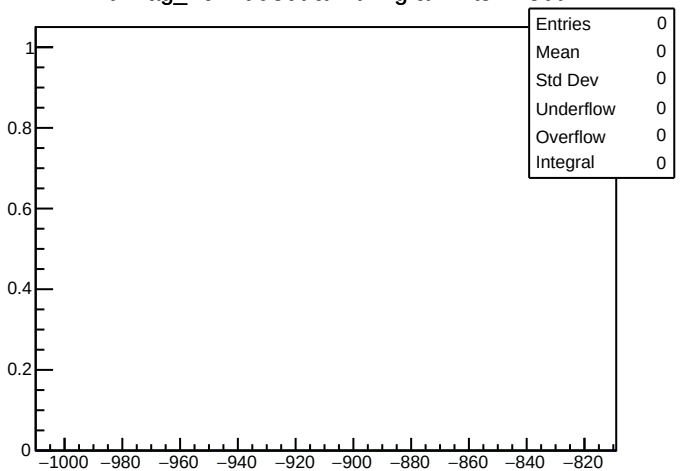
MtxFlag_Tof TdcCut & MtxFlg & Nhits22 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
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0.6
0.4
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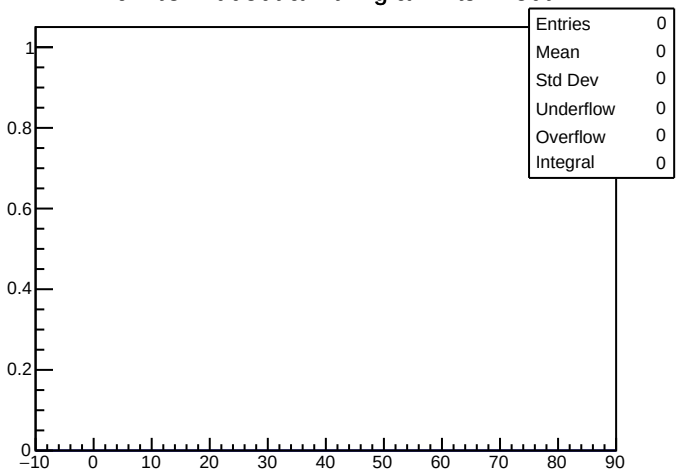
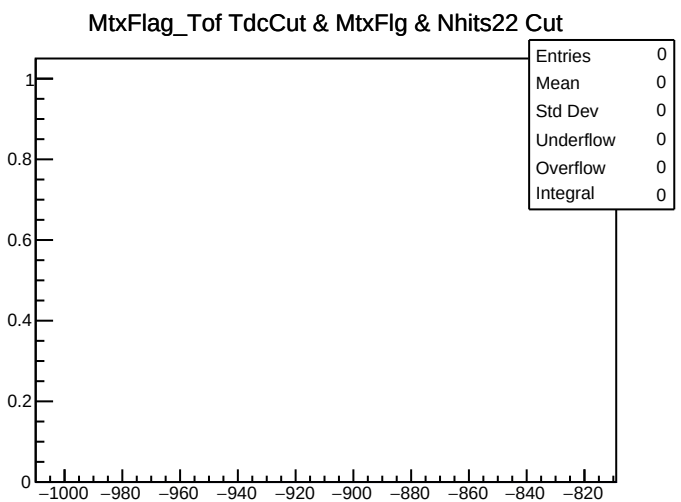
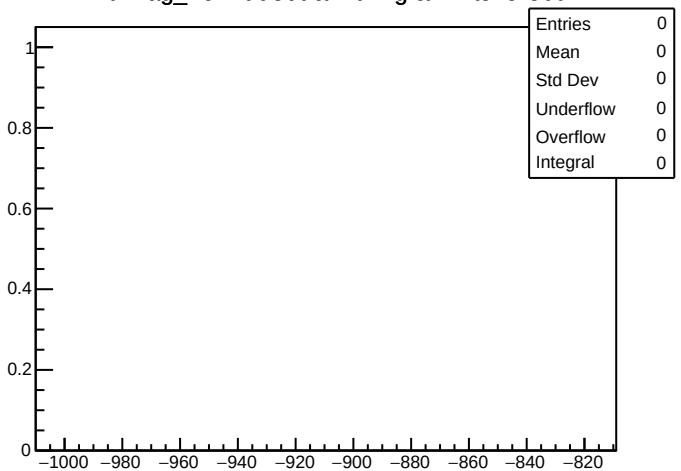
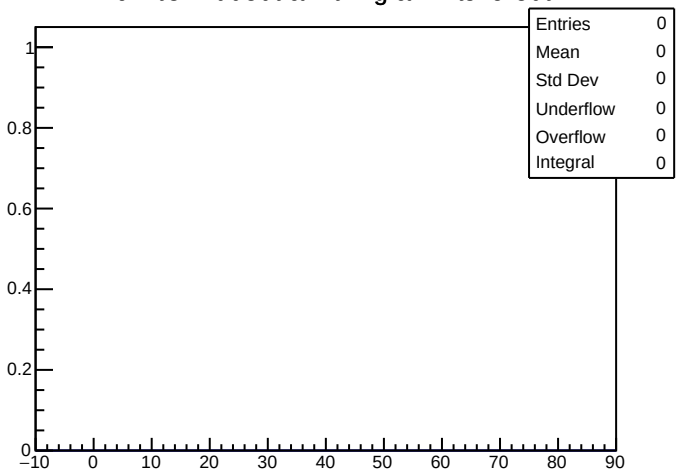
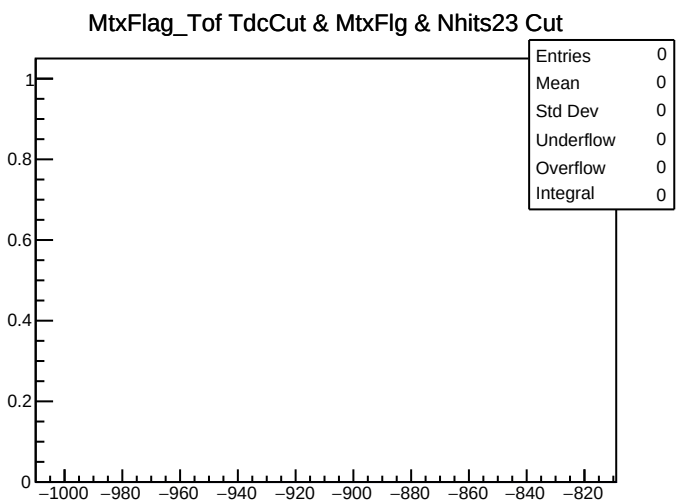
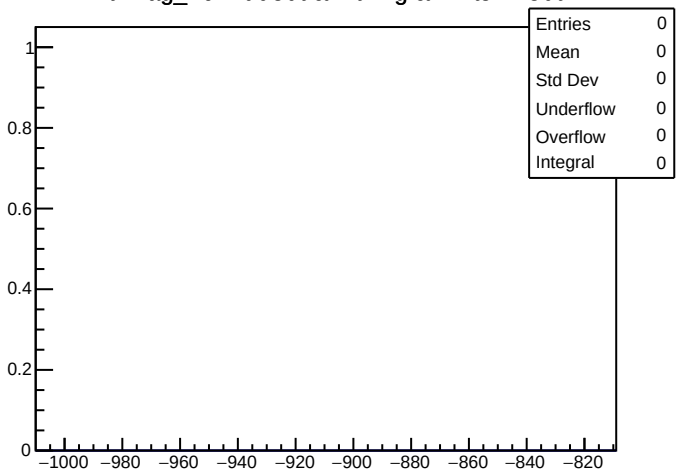

TofMtOr TdcCut & MtxFlg & Nhits22 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90

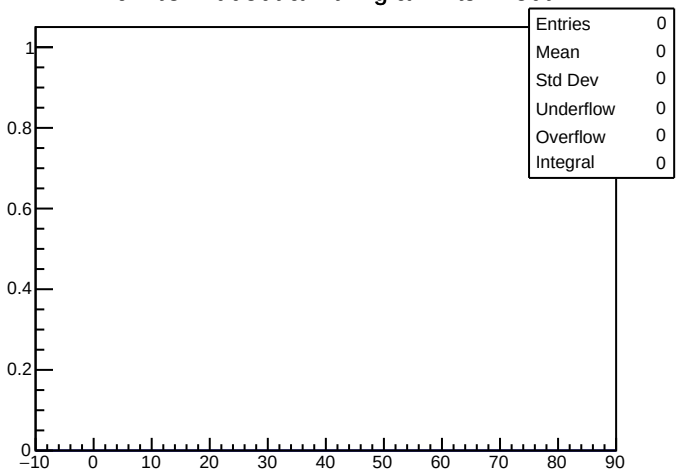

MtxFlag_Tof TdcCut & MtxFlg & Nhits22 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

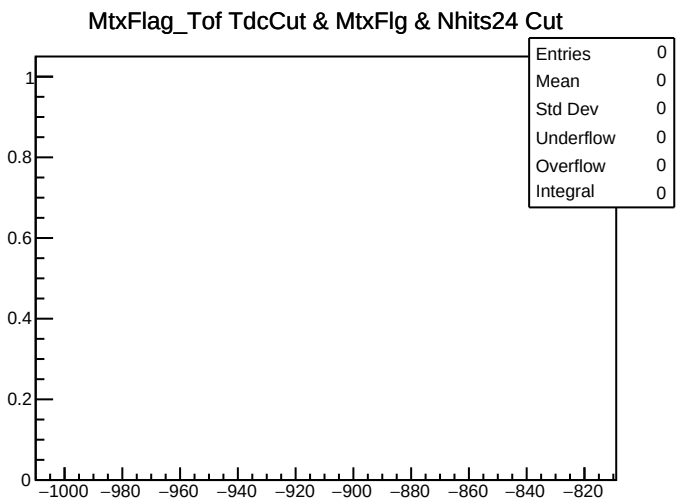

MtxFlag_Tof TdcCut & MtxFlg & Nhits23 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

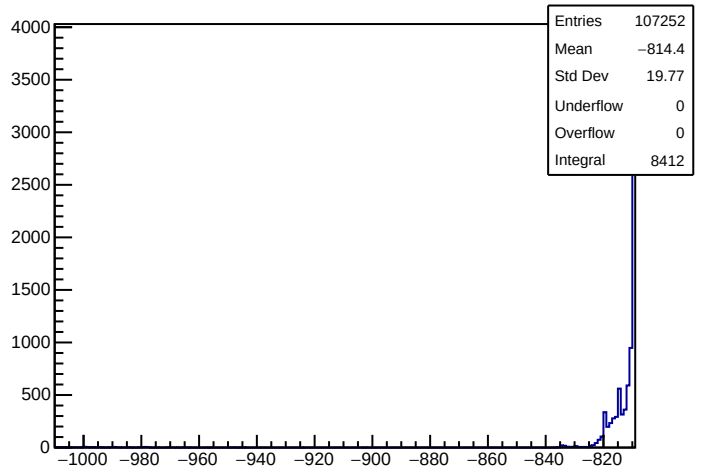

TofMtOr TdcCut & MtxFlg & Nhits23 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90

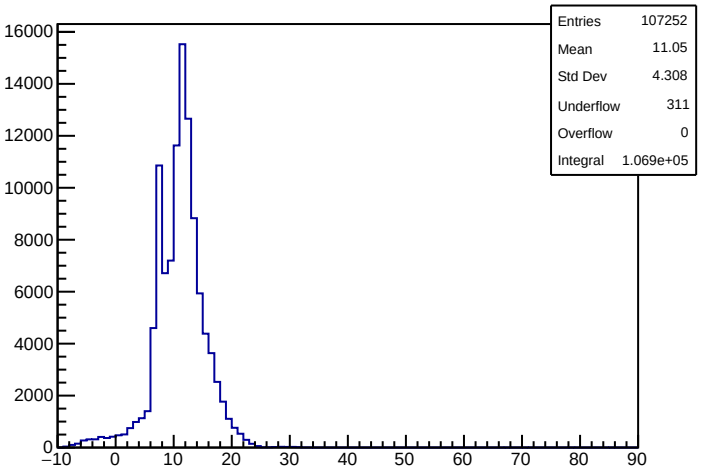

MtxFlag_Tof TdcCut & MtxFlg & Nhits23 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

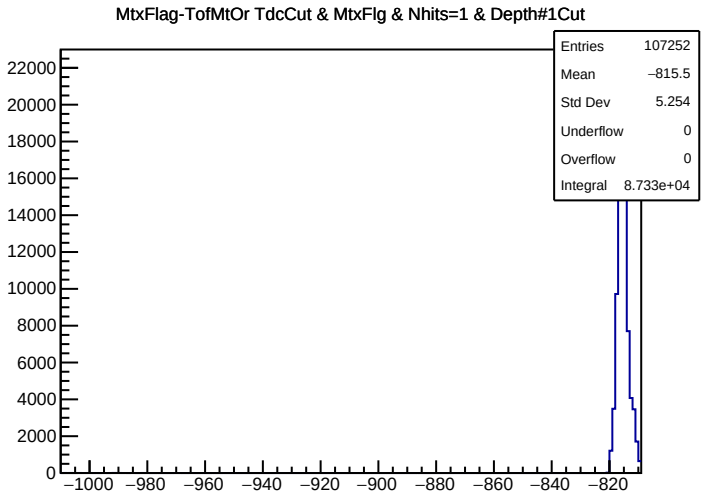

MtxFlag_Tof TdcCut & MtxFlg & Nhits24 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820

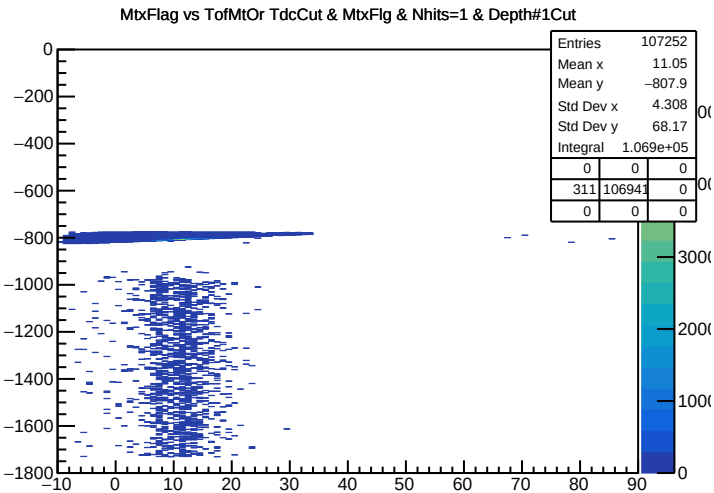

TofMtOr TdcCut & MtxFlg & Nhits24 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag_Tof TdcCut & MtxFlg & Nhits24 Cut
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag TdcCut & MtxFlg & Nhits=1 & MaxDepth#1 Cut
Entries 107252
Mean −814.4
Std Dev 19.77
Underflow 0
Overflow 0
Integral 8412
4000
3500
3000
2500
2000
1500
1000
500
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


TofMtOr TdcCut & MtxFlg & Nhits=1 & MaxDepth#1 Cut
Entries 107252
Mean 11.05
Std Dev 4.308
Underflow 311
Overflow 0
Integral 1.069e+05
16000
14000
12000
10000
8000
6000
4000
2000
0
−10 0 10 20 30 40 50 60 70 80 90


MtxFlag-TofMtOr TdcCut & MtxFlg & Nhits=1 & Depth#1Cut
Entries 107252
Mean −815.5
Std Dev 5.254
Underflow 0
Overflow 0
Integral 8.733e+04
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−1000 −980 −960 −940 −920 −900 −880 −860 −840 −820


MtxFlag vs TofMtOr TdcCut & MtxFlg & Nhits=1 & Depth#1Cut
Entries 107252
Mean x 11.05
Mean y −807.9
Std Dev x 4.308
Std Dev y 68.17
Integral 1.069e+05
0 0 0
311 106941 0
0 0 0
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
−10 0 10 20 30 40 50 60 70 80 90
3000
2000
1000
0