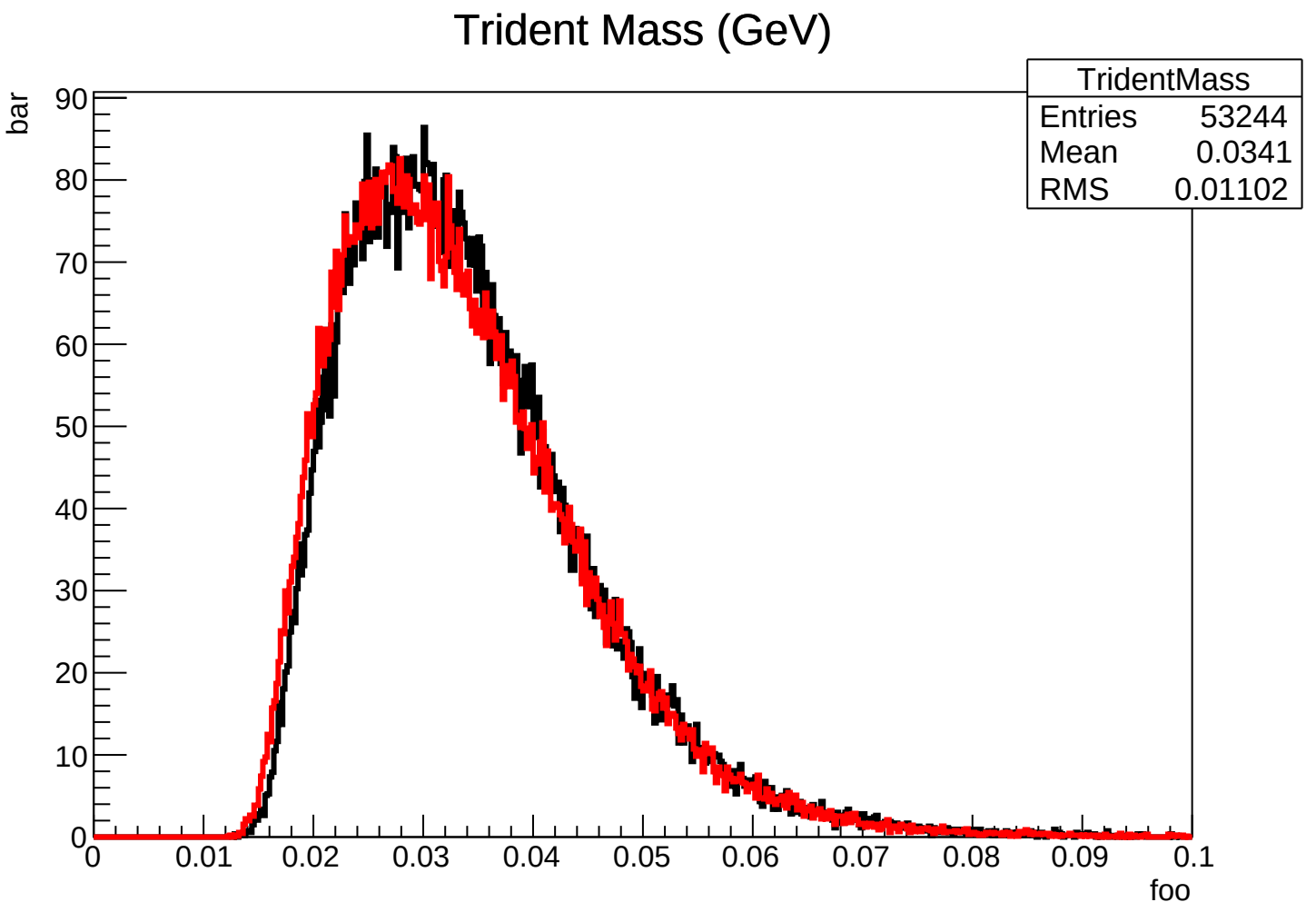
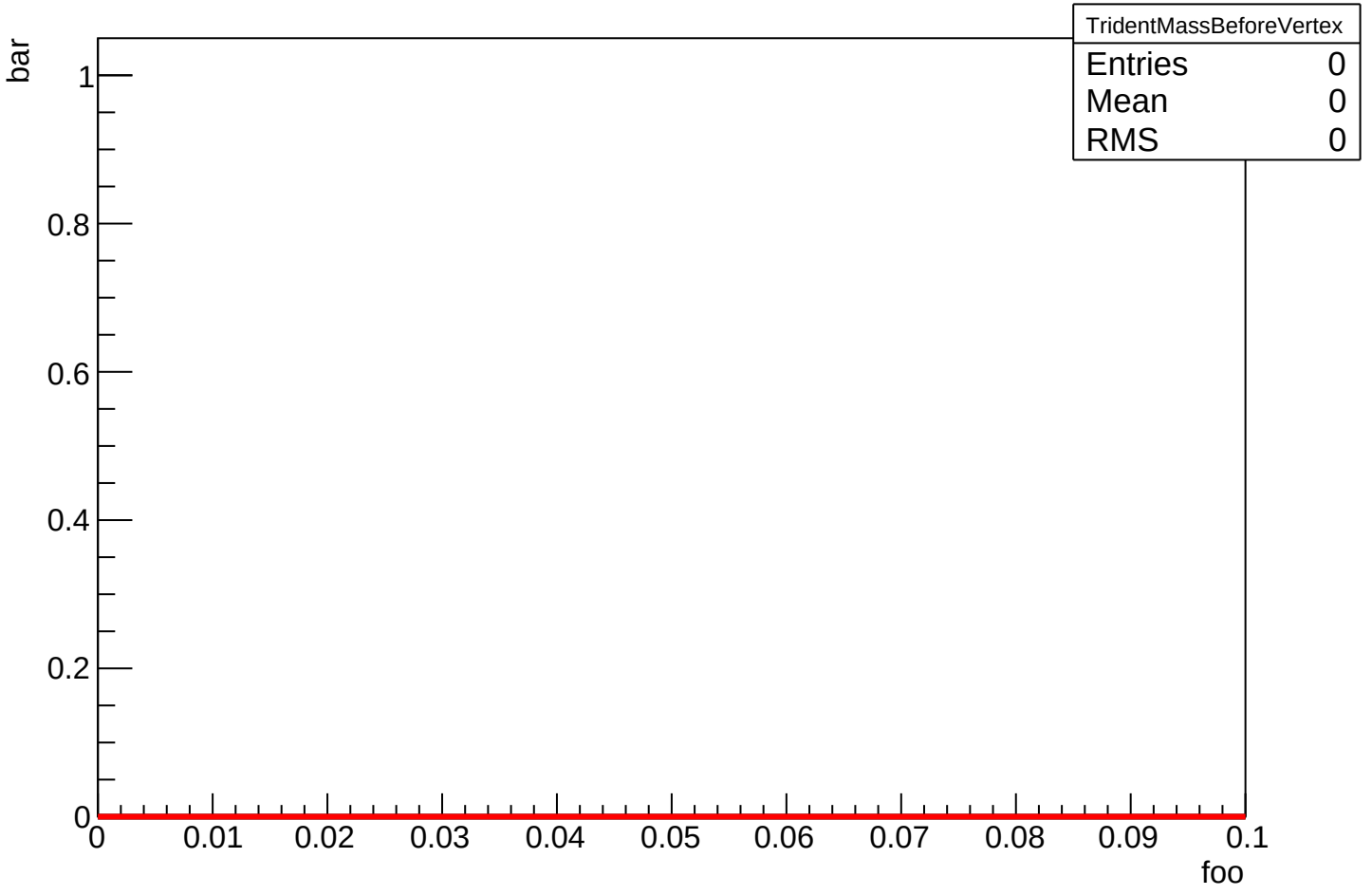
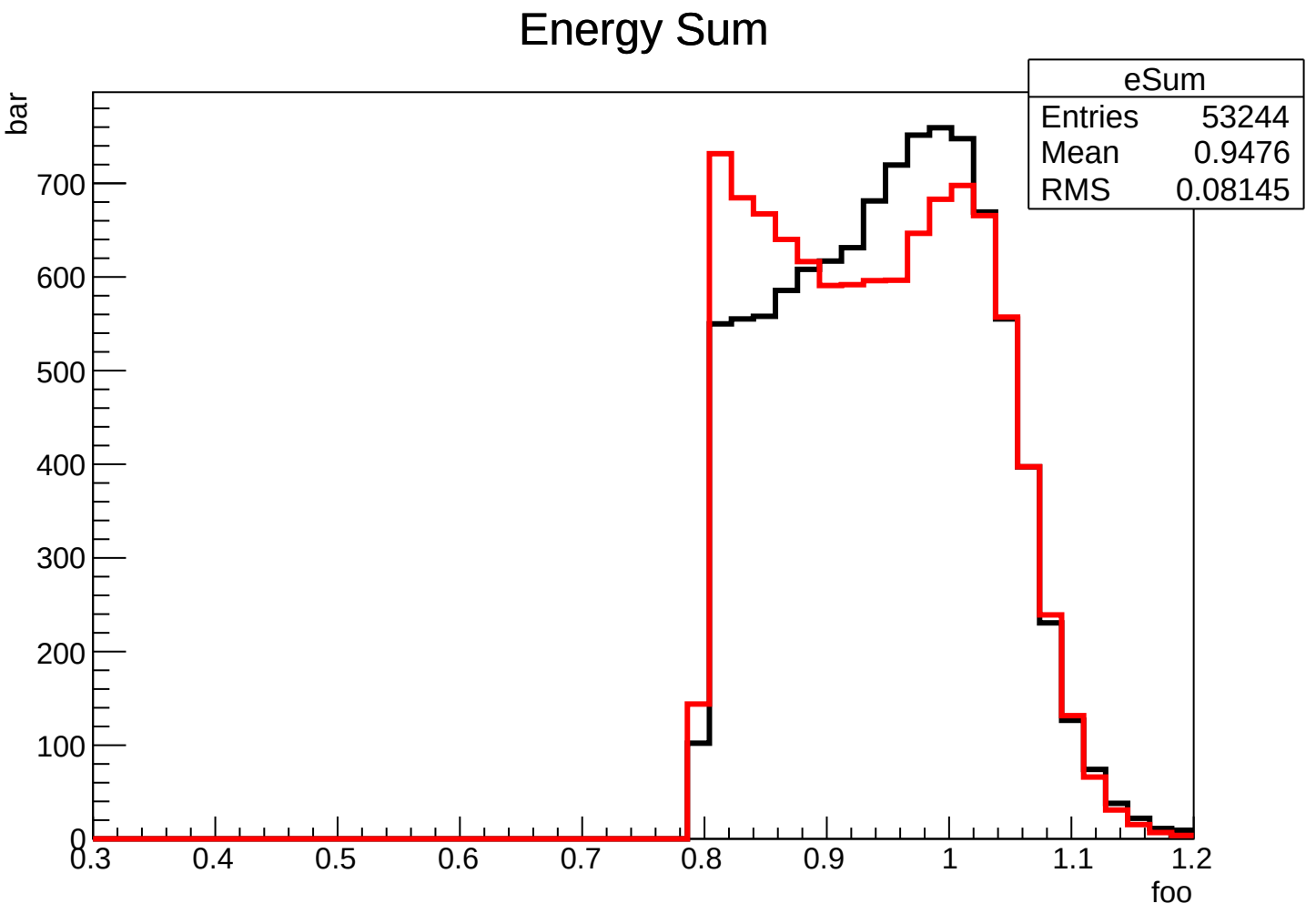
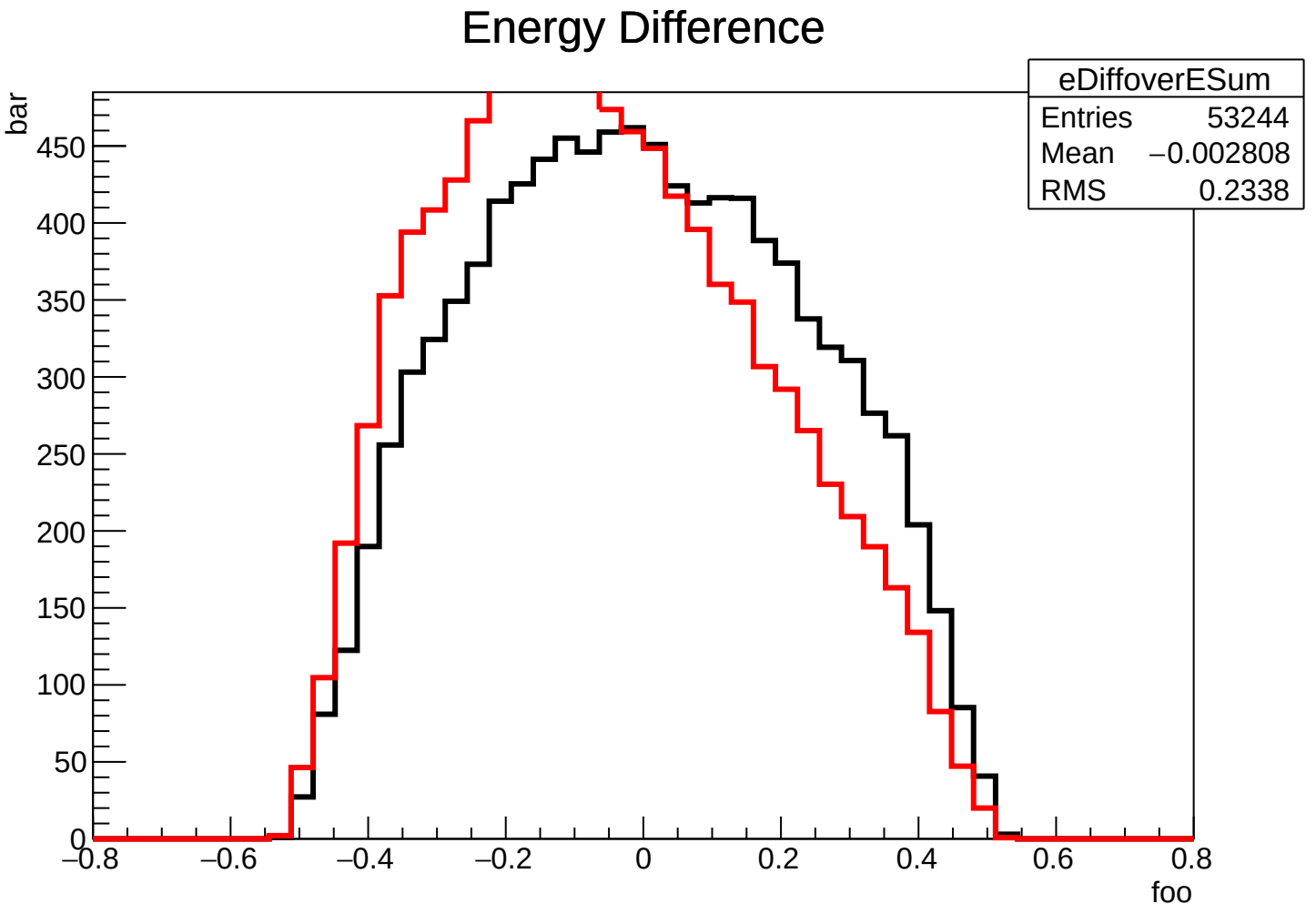
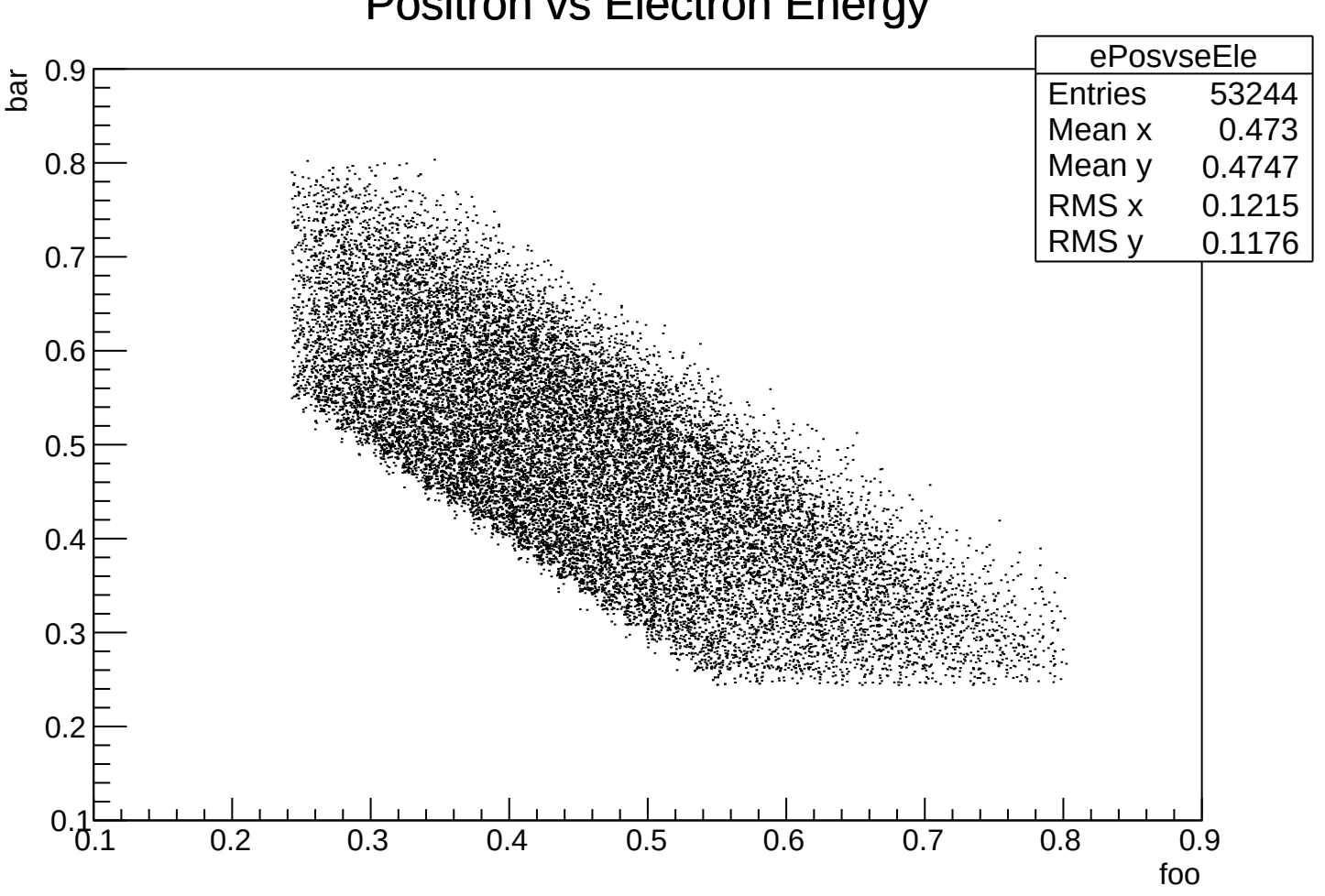
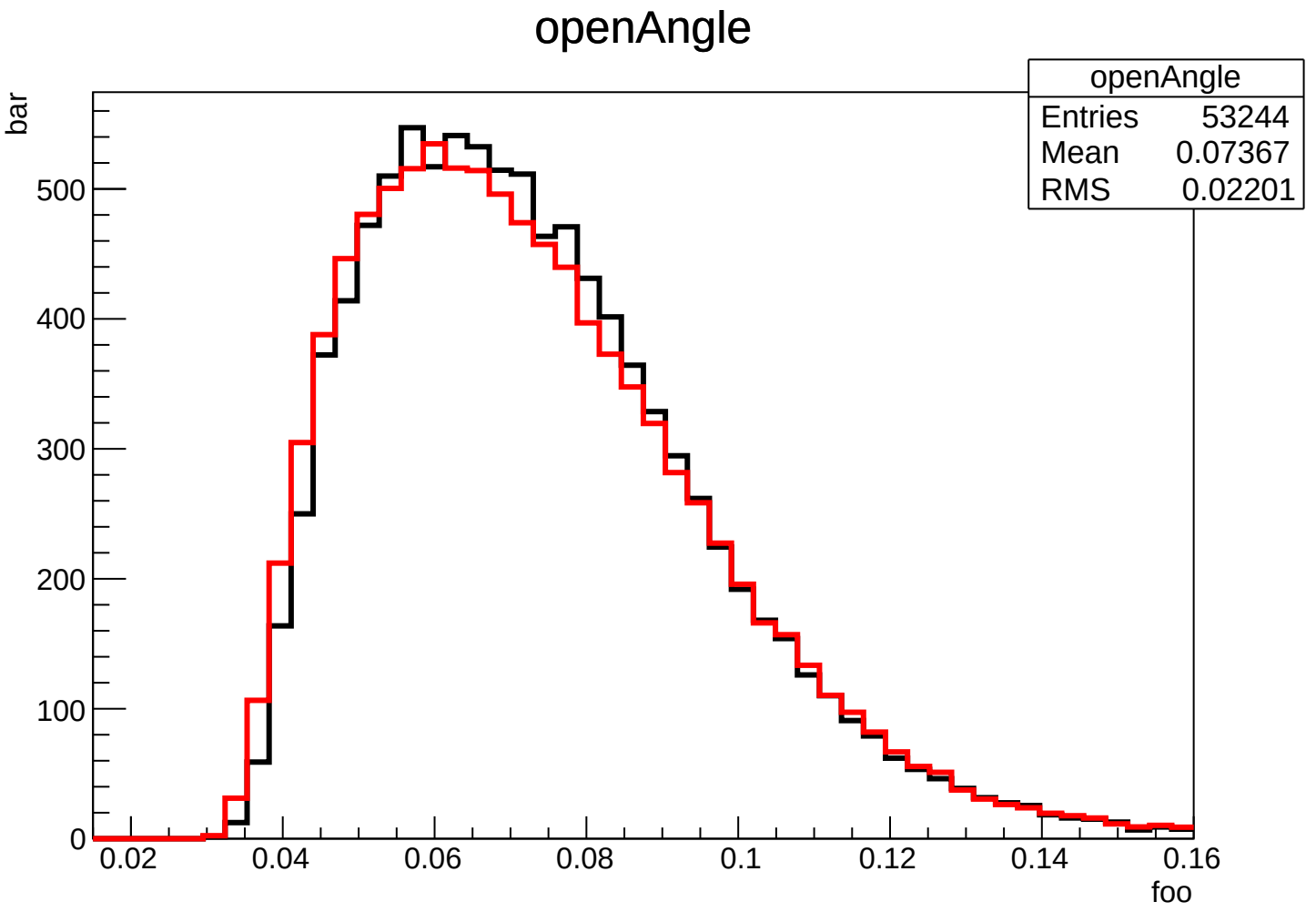

Trident Mass (GeV)
TridentMass
Entries 53244
Mean 0.0341
RMS 0.01102
bar
foo
0
10
20
30
40
50
60
70
80
90
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1

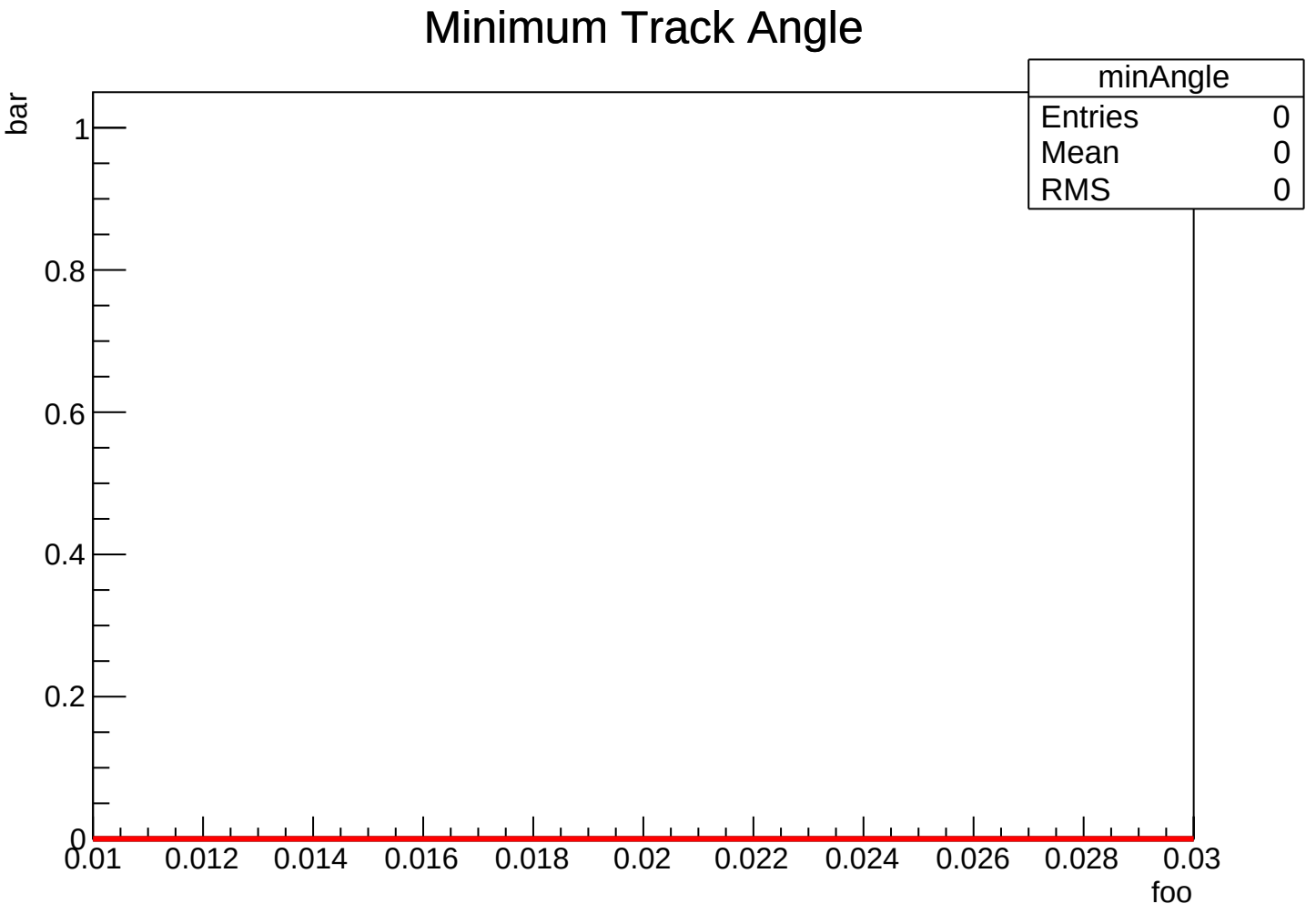

Trident Mass (GeV): Before VtxCut
TridentMassBeforeVertex
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
foo

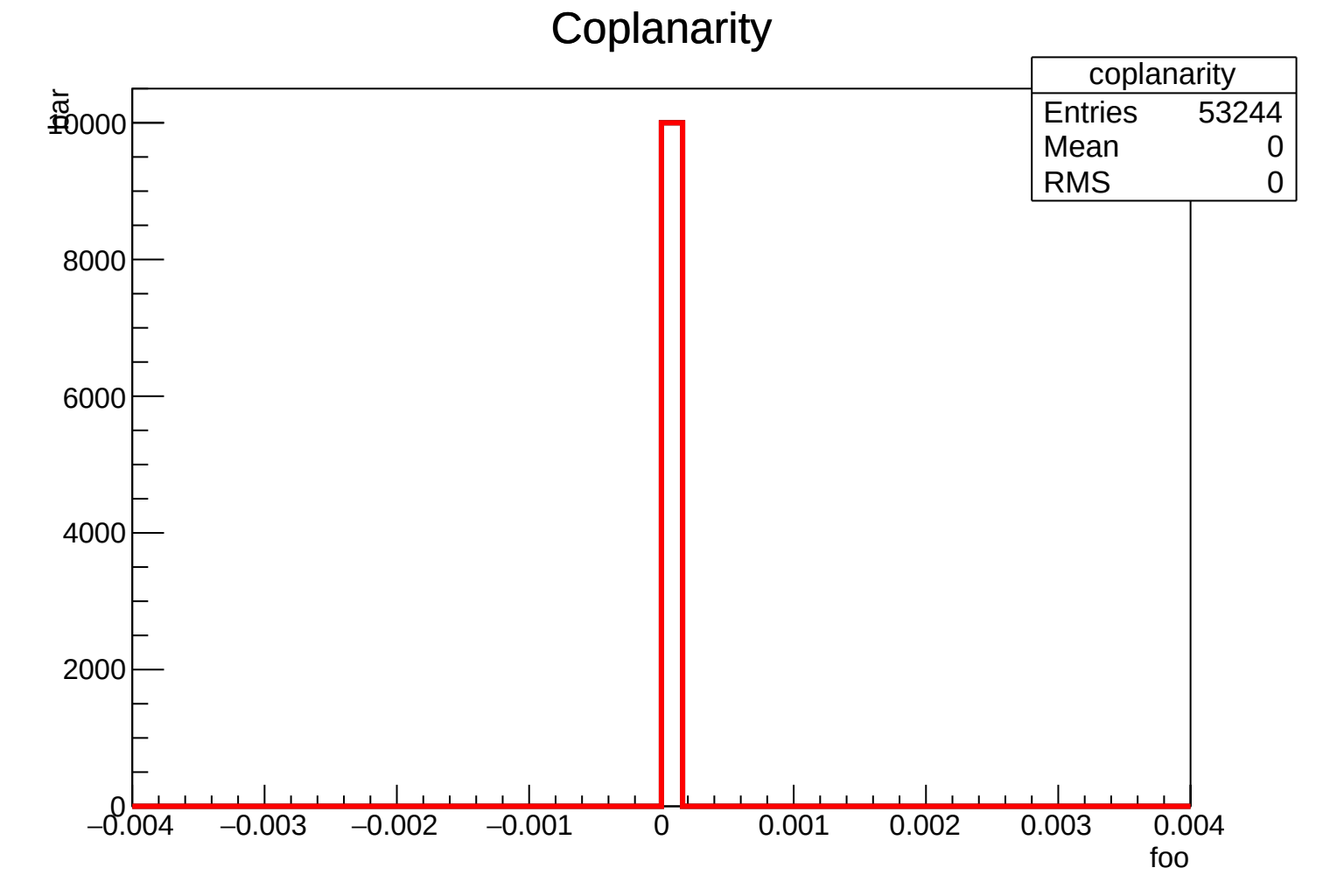

Energy Sum
eSum
Entries 53244
Mean 0.9476
RMS 0.08145
bar
0
100
200
300
400
500
600
700
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

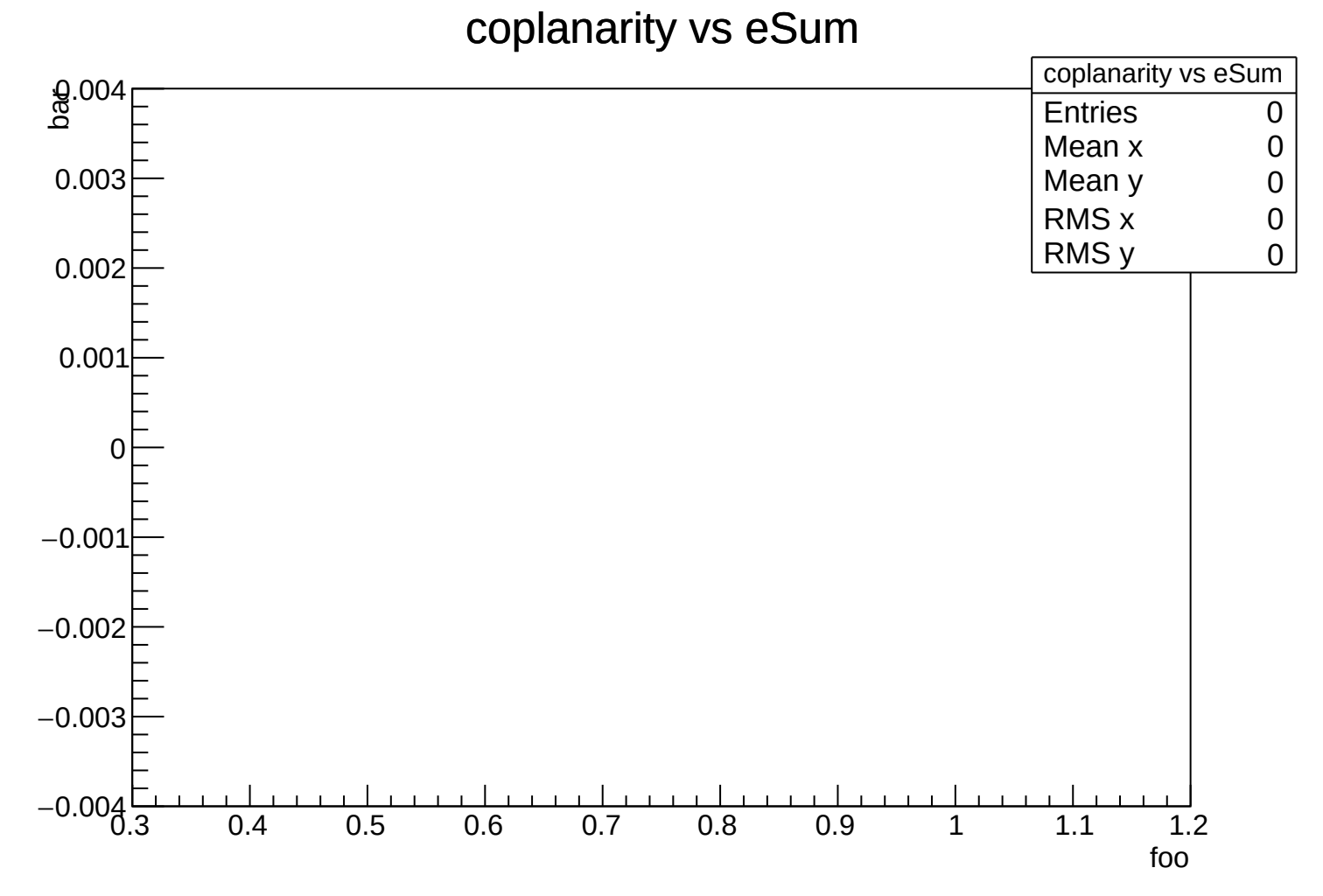

Energy Difference
eDiffoverESum
Entries 53244
Mean −0.002808
RMS 0.2338
bar
foo
0
50
100
150
200
250
300
350
400
450
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8

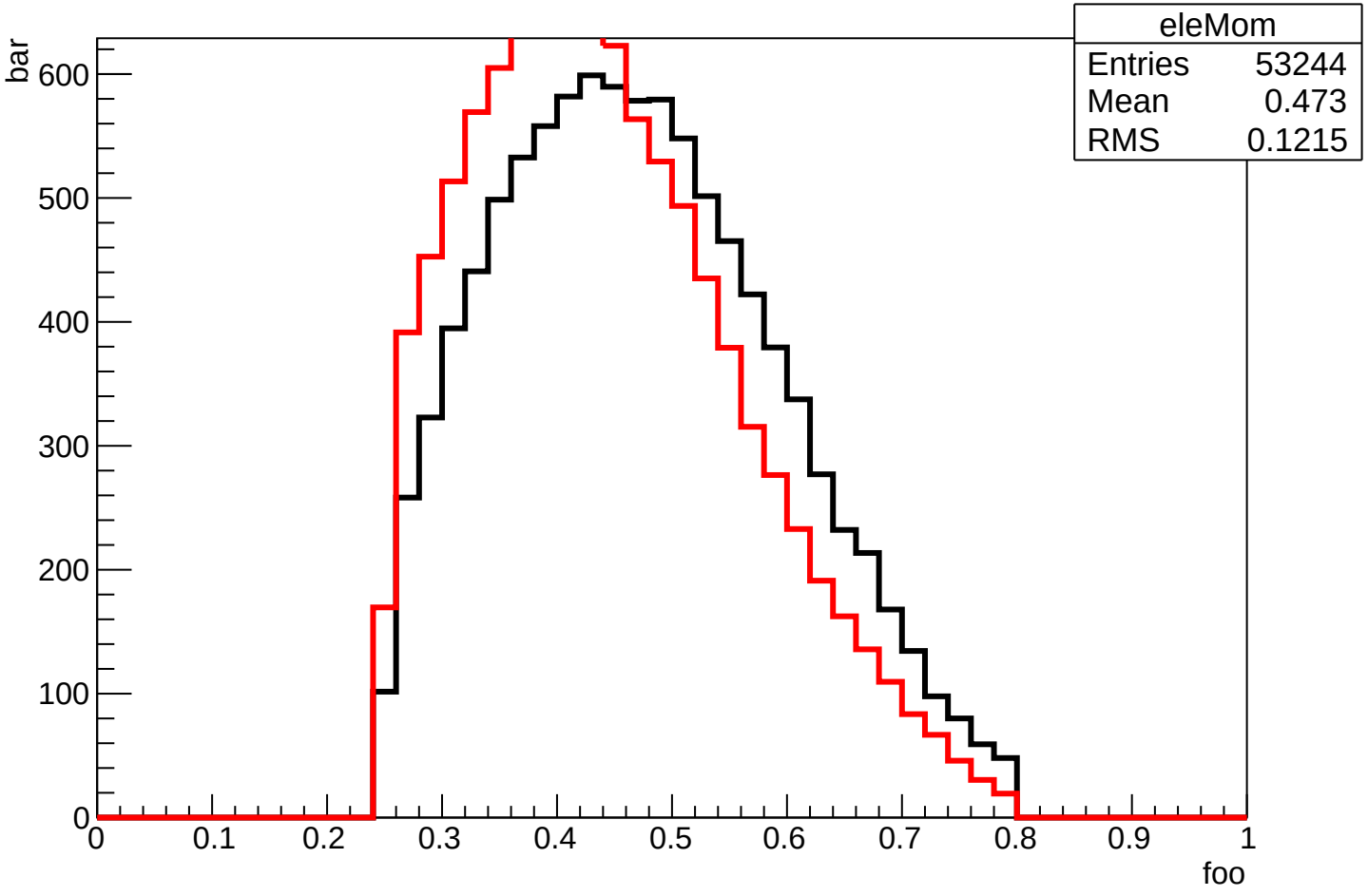

Positron vs Electron Energy
ePosvseEle
Entries 53244
Mean x 0.473
Mean y 0.4747
RMS x 0.1215
RMS y 0.1176
bar
foo
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9

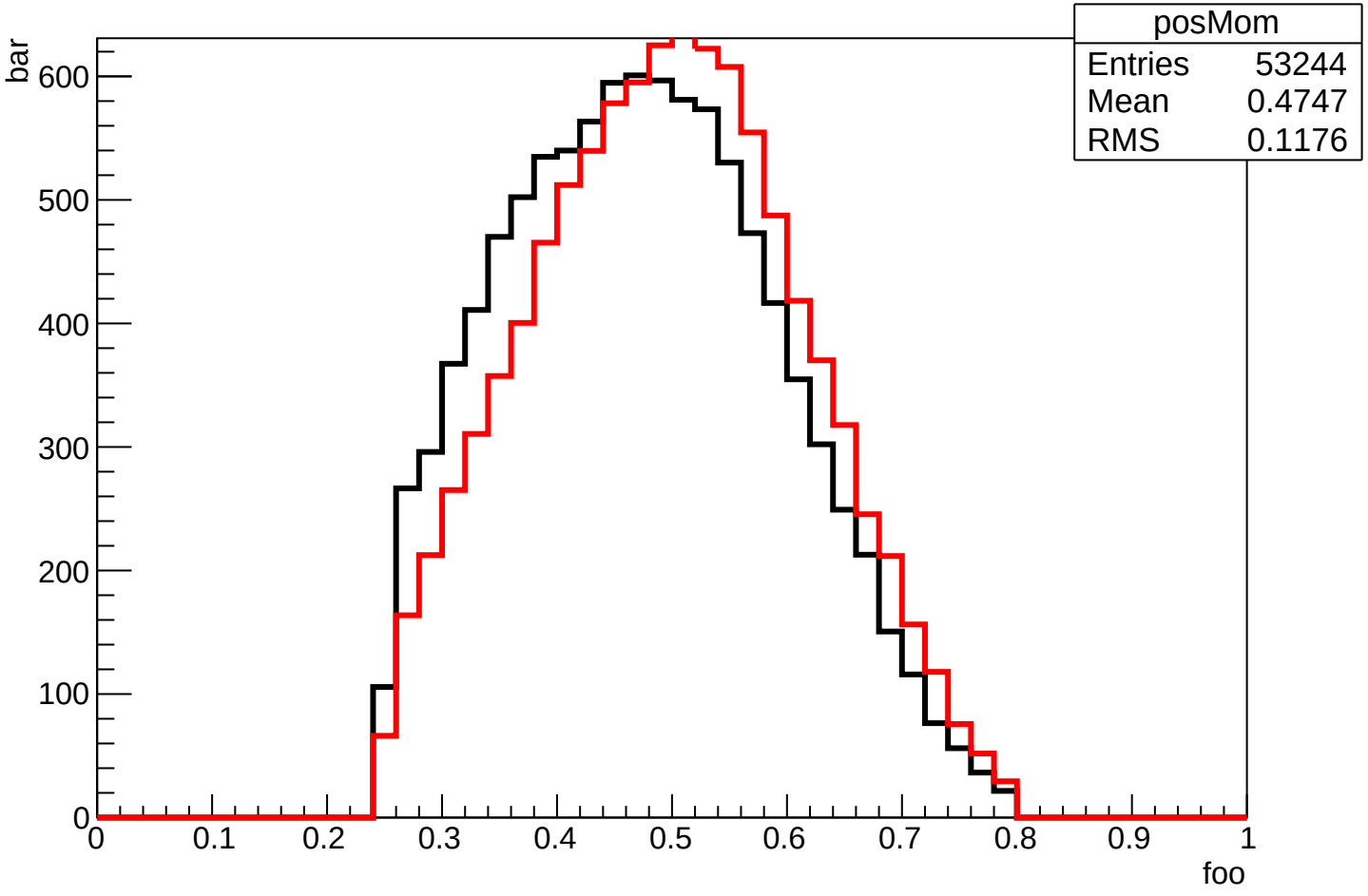

openAngle
openAngle
Entries 53244
Mean 0.07367
RMS 0.02201
bar
0
100
200
300
400
500
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
foo

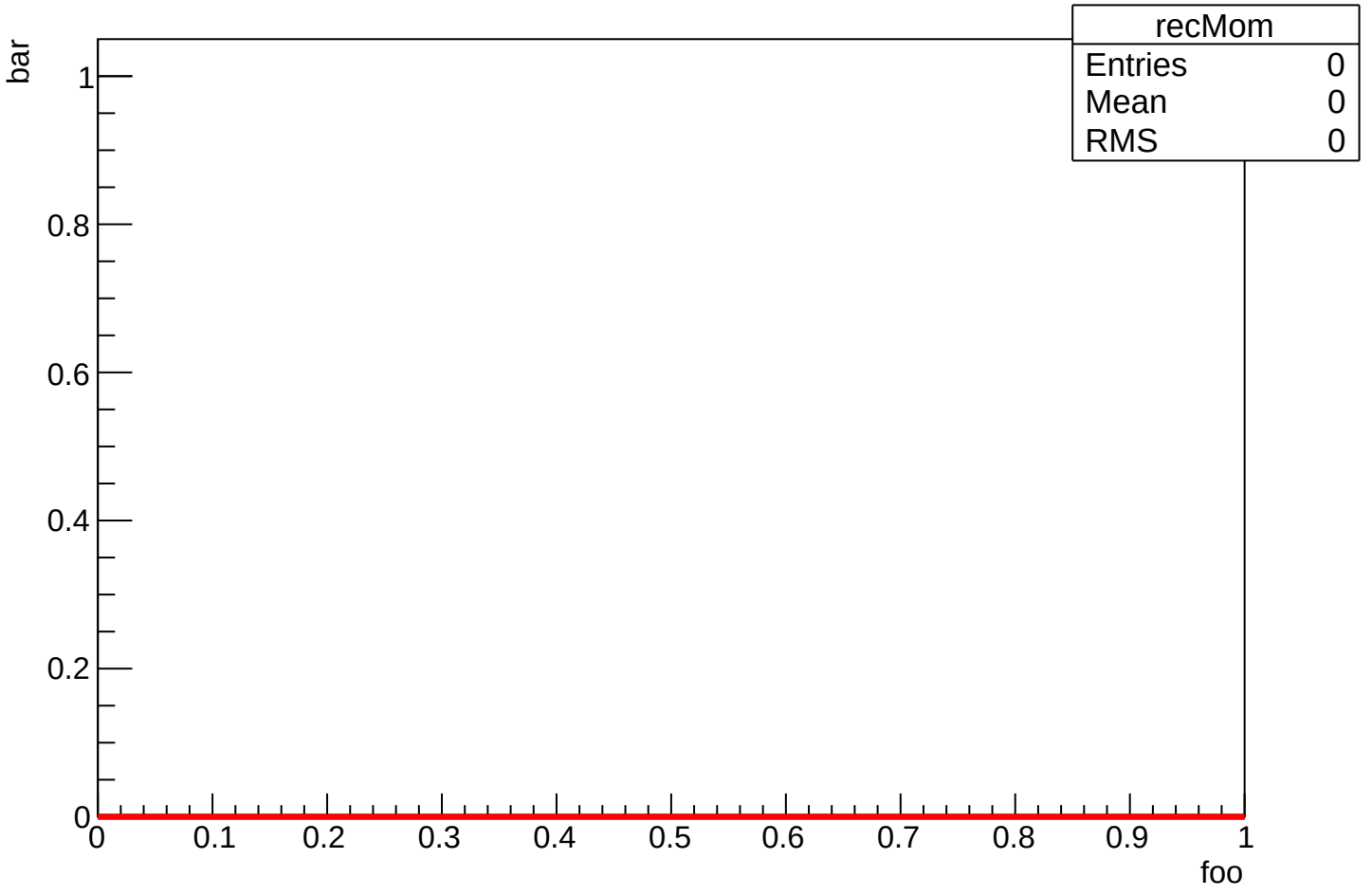

Minimum Track Angle
minAngle
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.01
0.012
0.014
0.016
0.018
0.02
0.022
0.024
0.026
0.028
0.03
foo

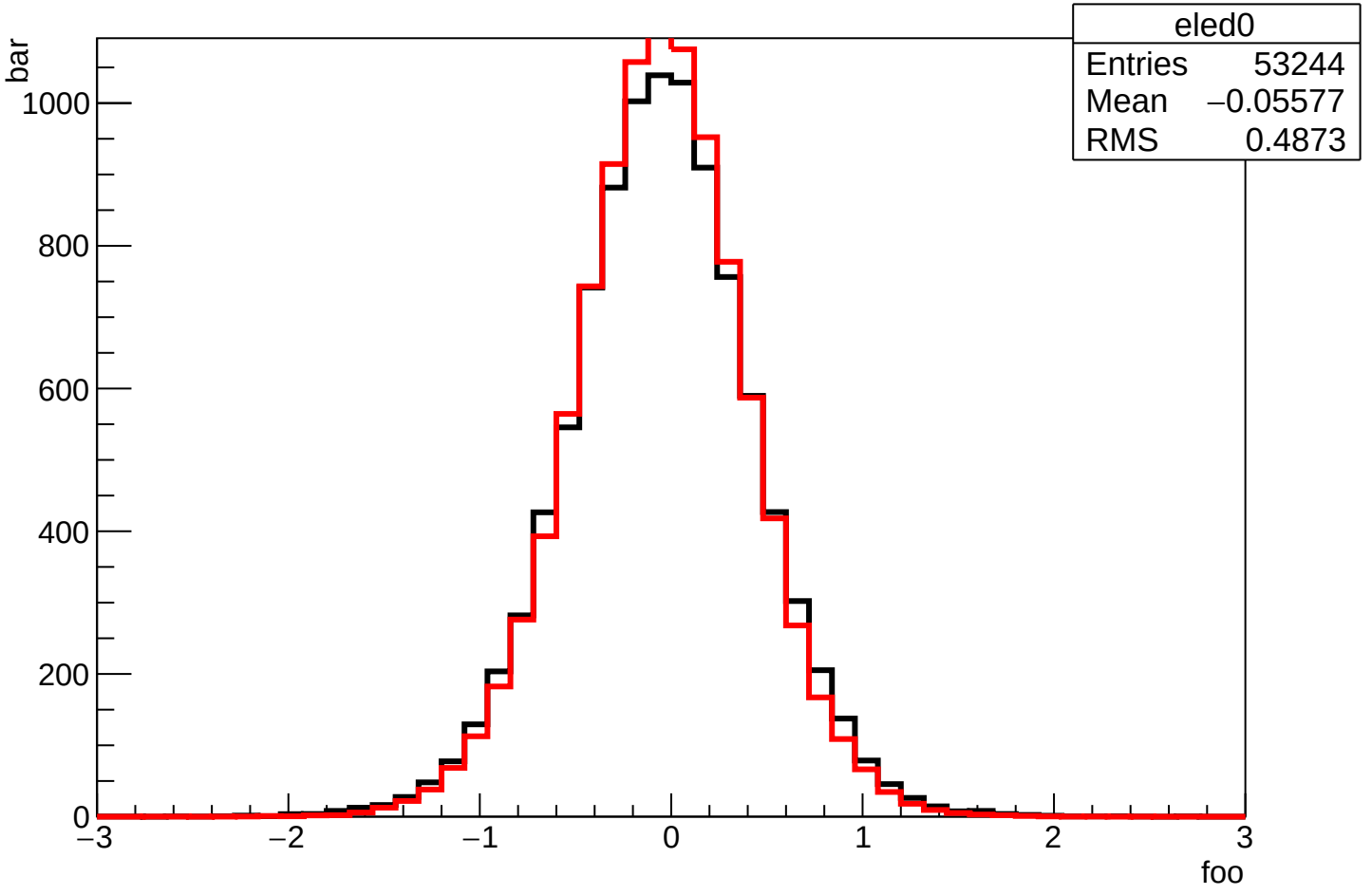

Coplanarity
coplanarity
Entries 53244
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

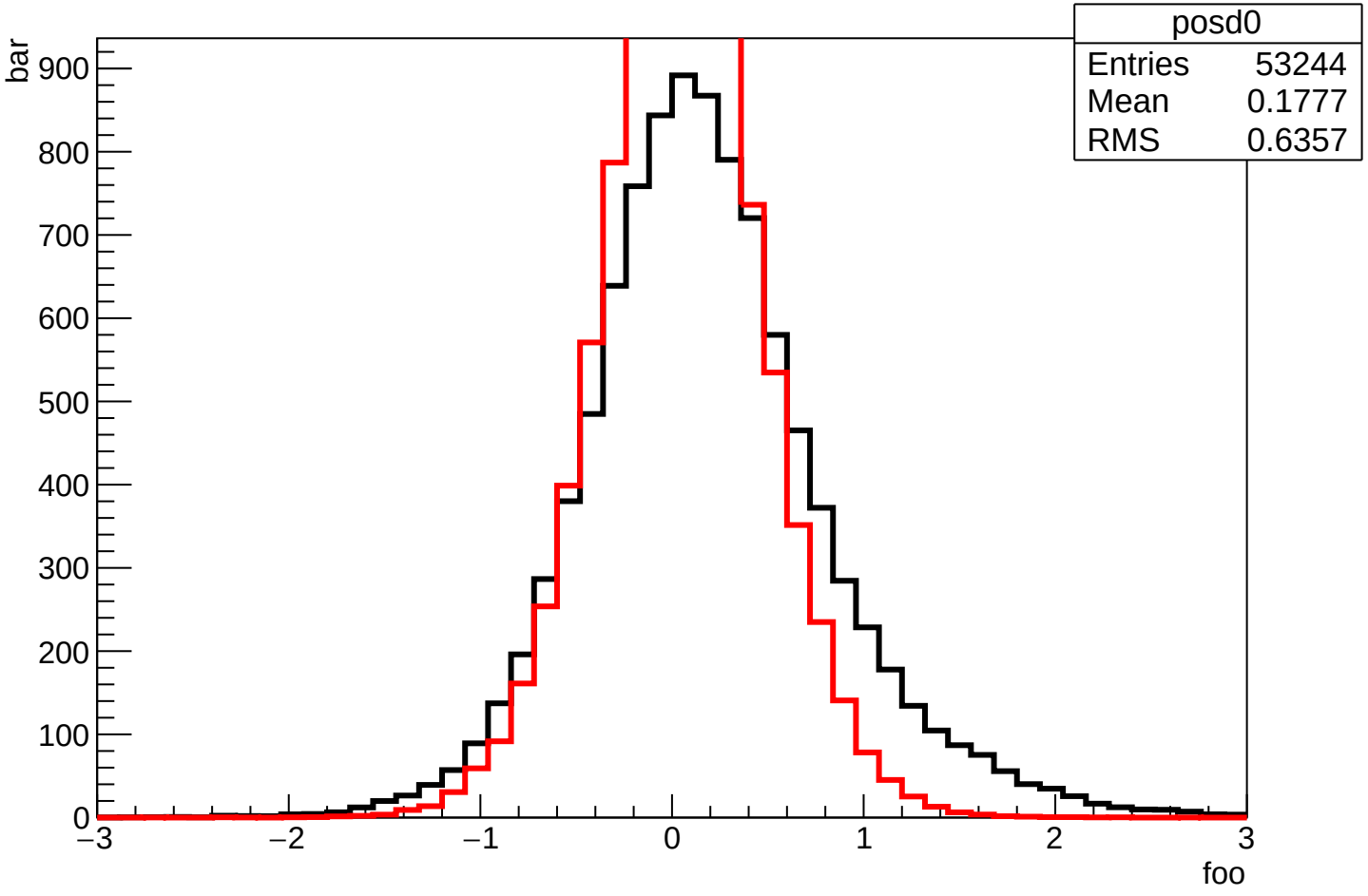

coplanarity vs eSum
coplanarity vs eSum
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
bar
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

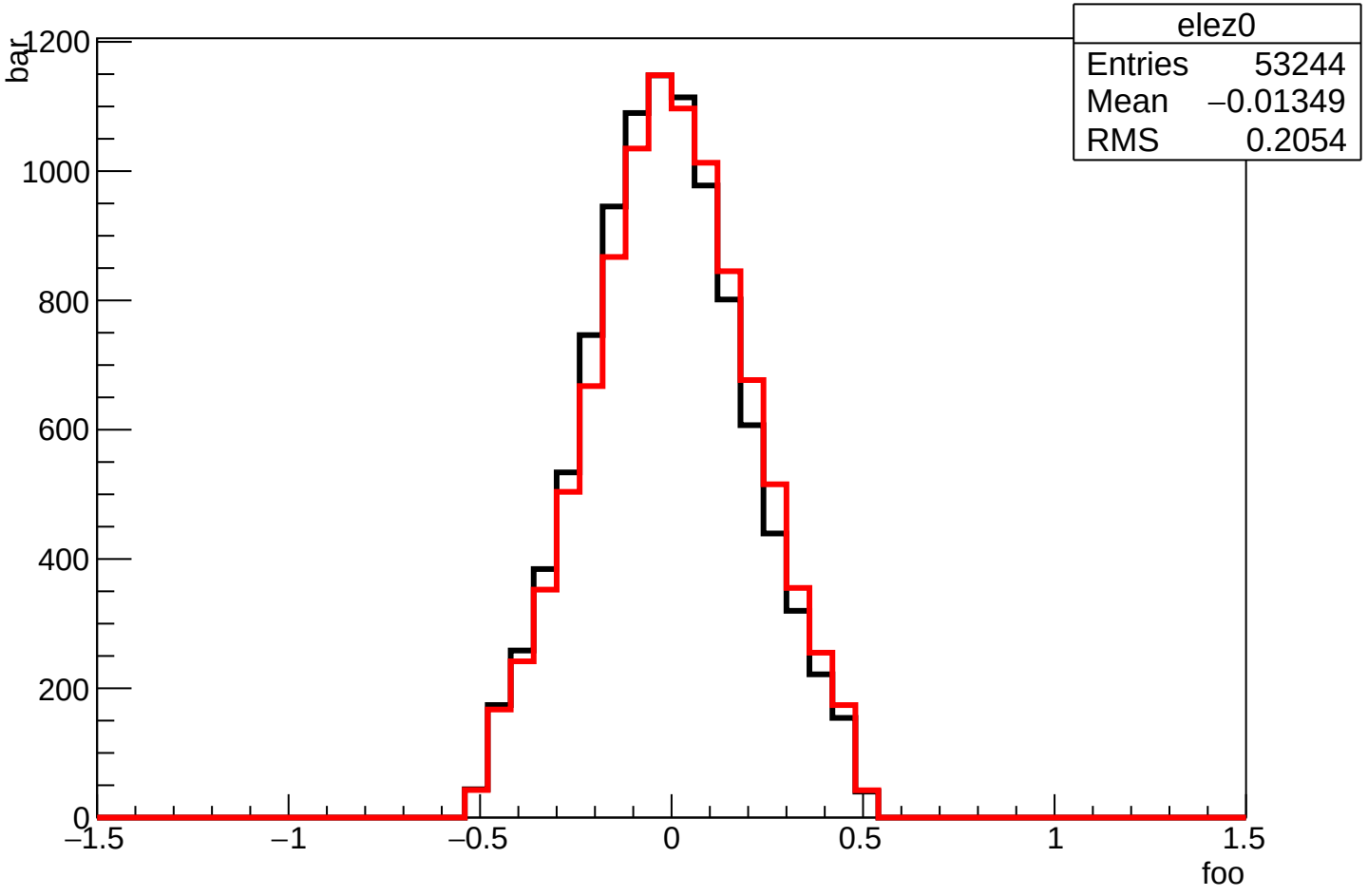

Electron Momentum (GeV)
eleMom
Entries 53244
Mean 0.473
RMS 0.1215
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

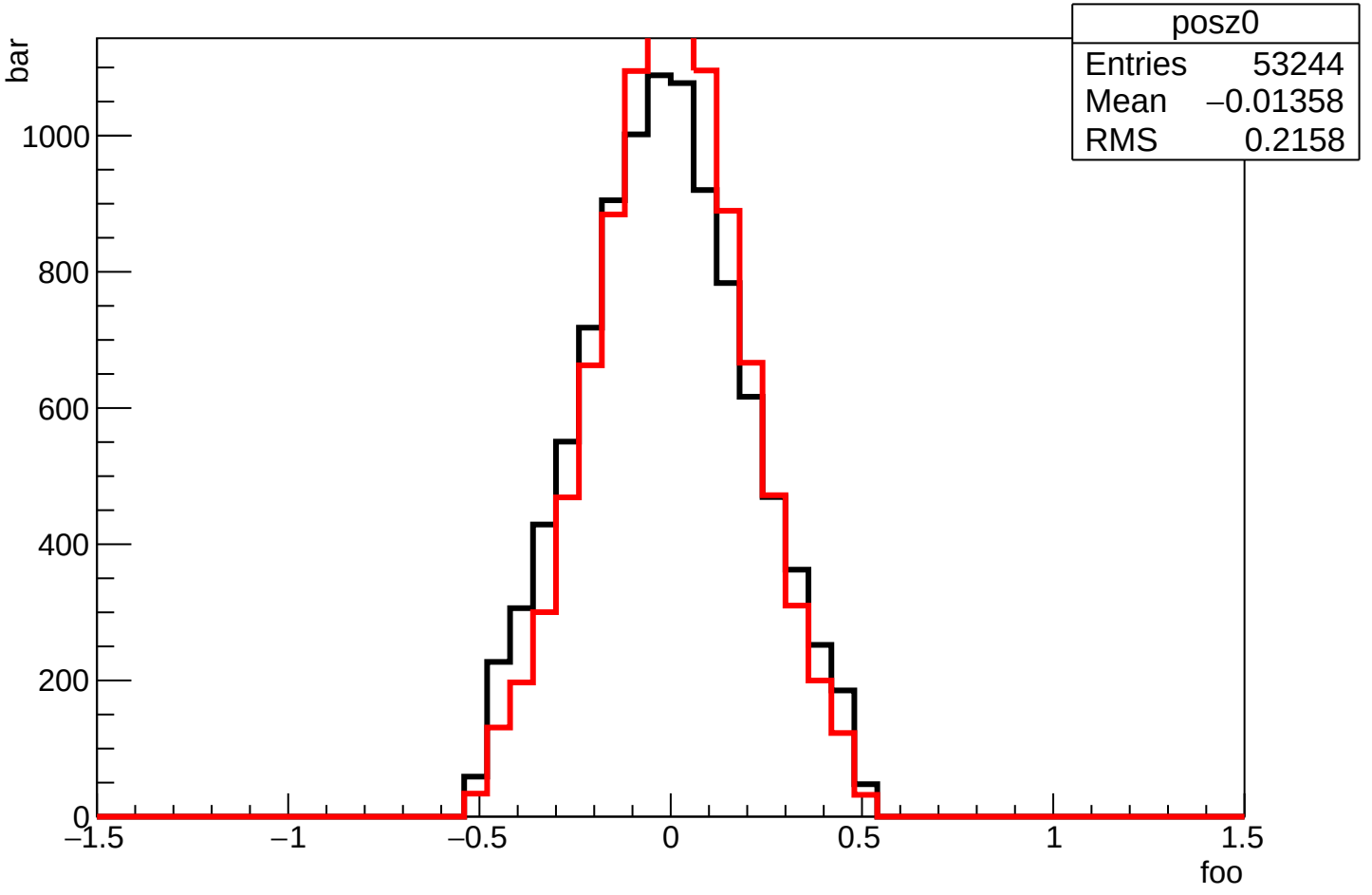

Positron Momentum (GeV)
posMom
Entries 53244
Mean 0.4747
RMS 0.1176
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

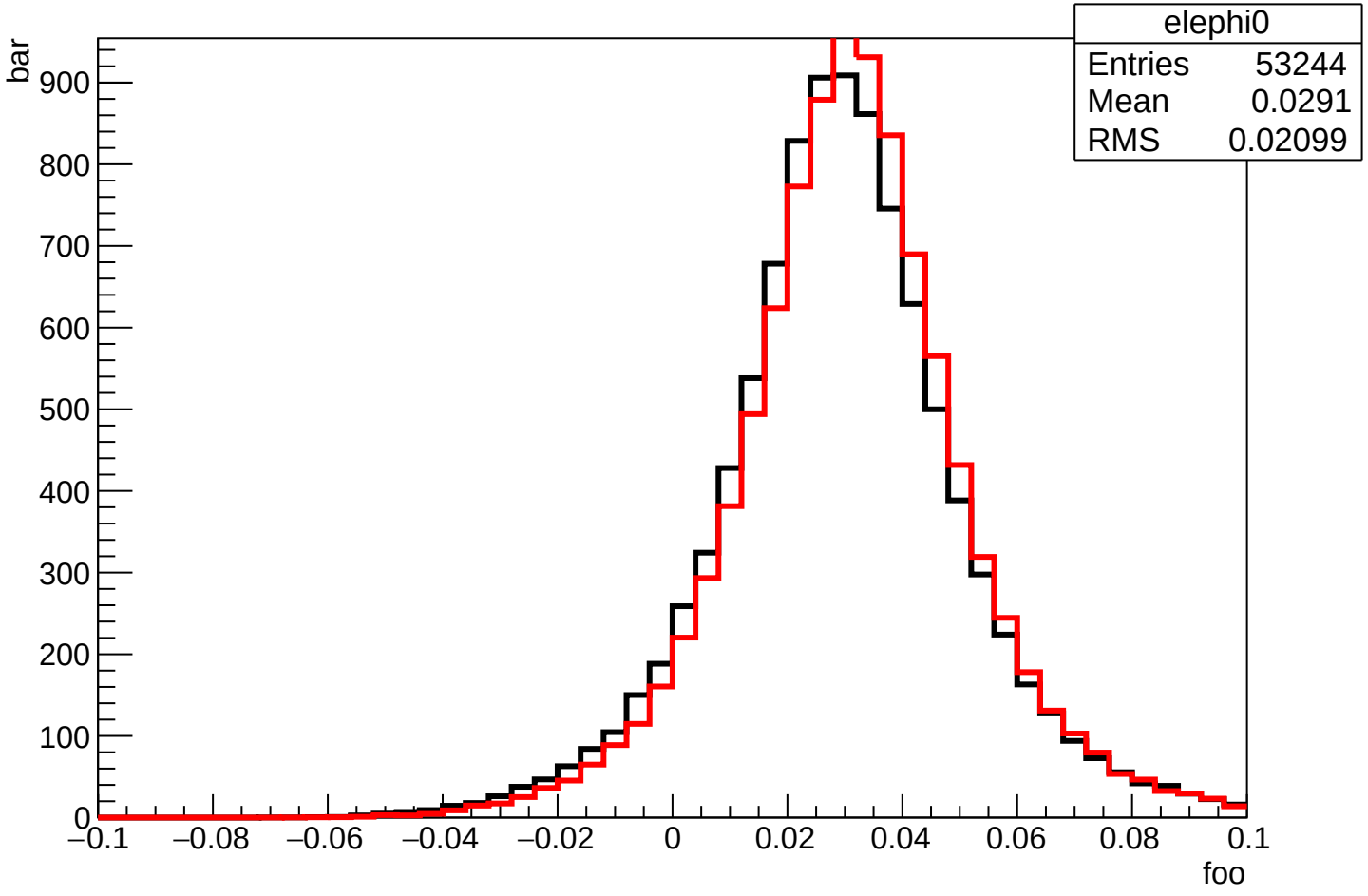

Recoil Momentum (GeV)
recMom
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
foo

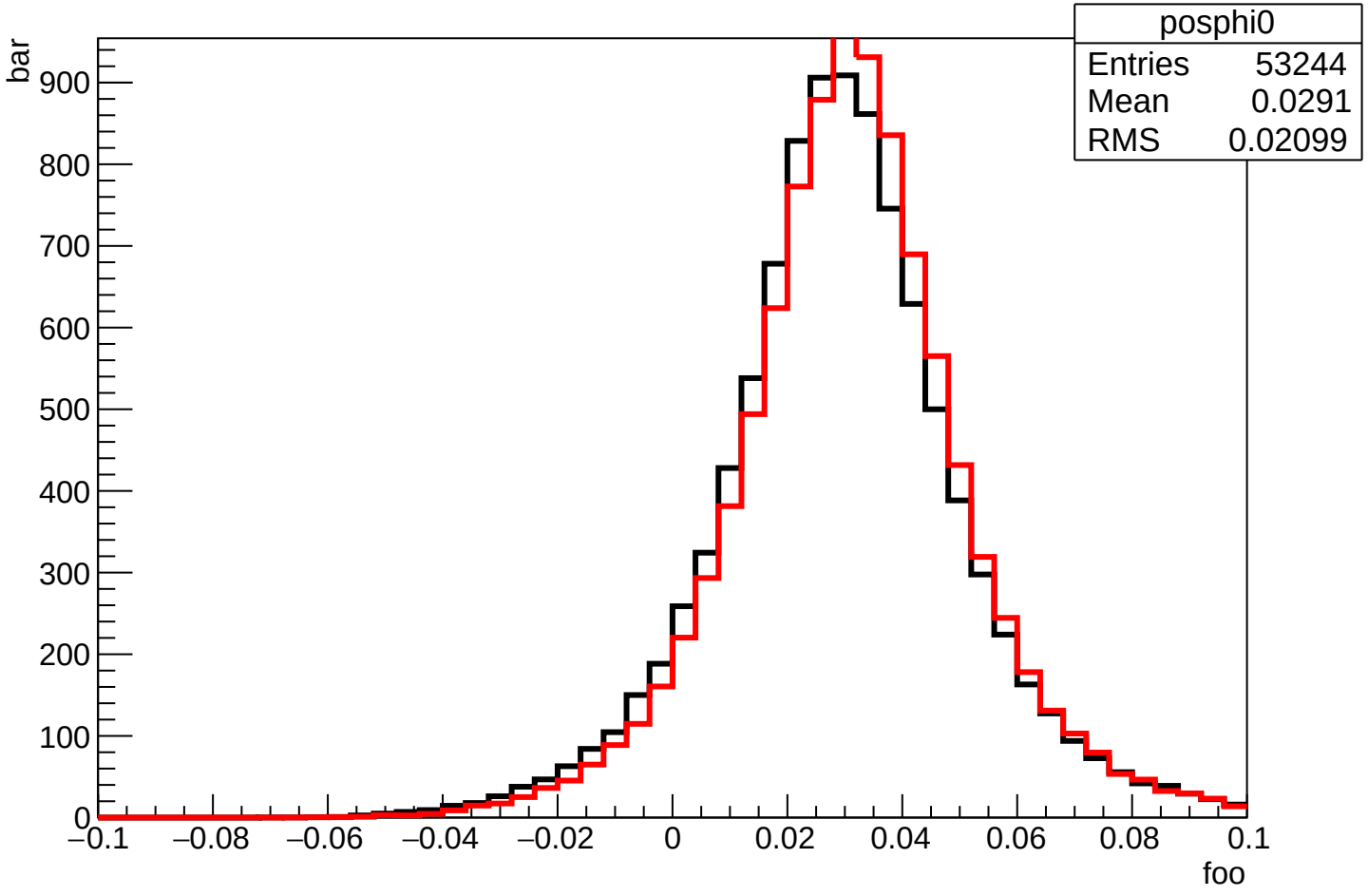

Electron d0 (mm)
eled0
Entries 53244
Mean −0.05577
RMS 0.4873
bar
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
foo

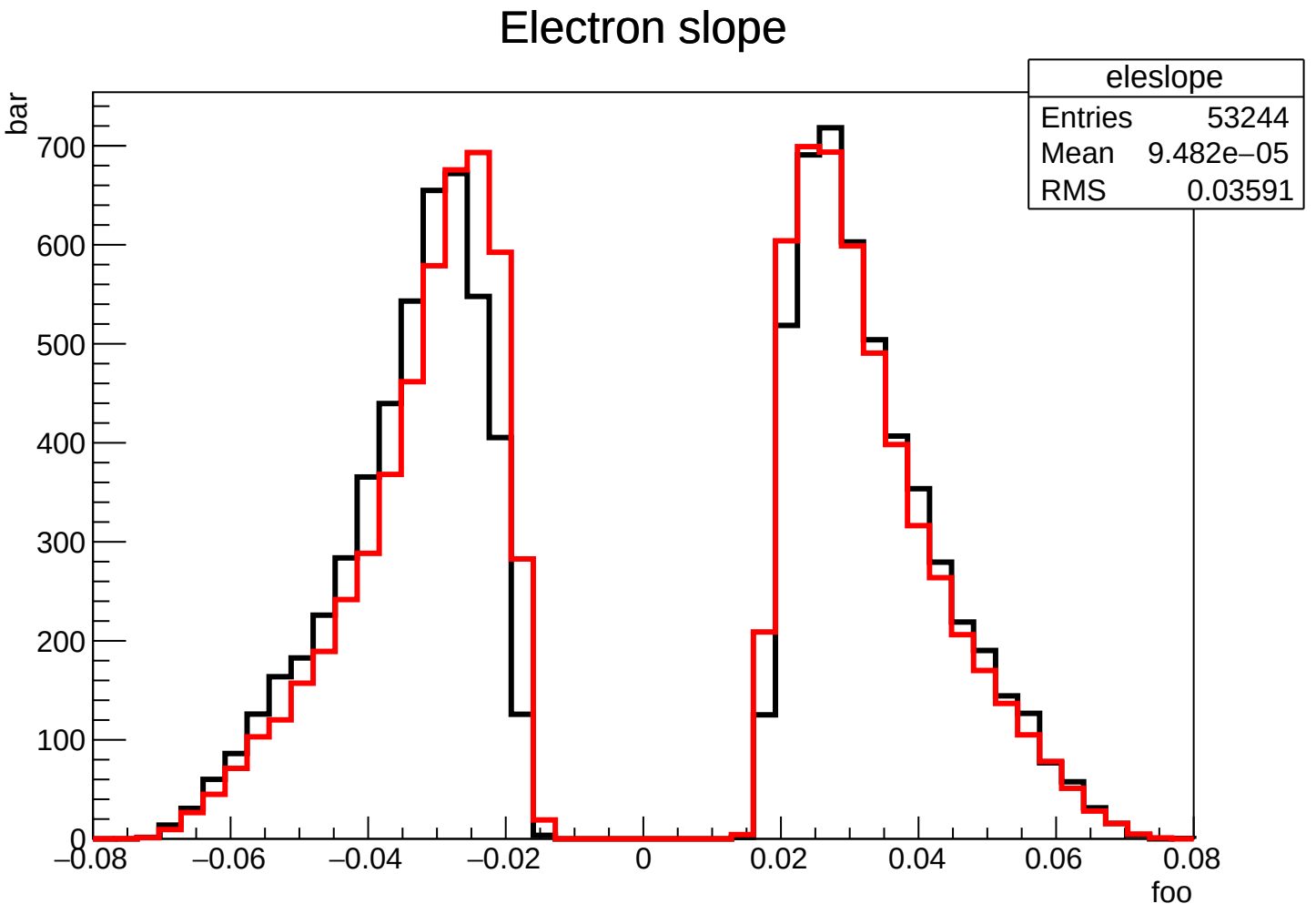

Positron d0 (mm)
posd0
Entries 53244
Mean 0.1777
RMS 0.6357
bar
900
800
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
foo

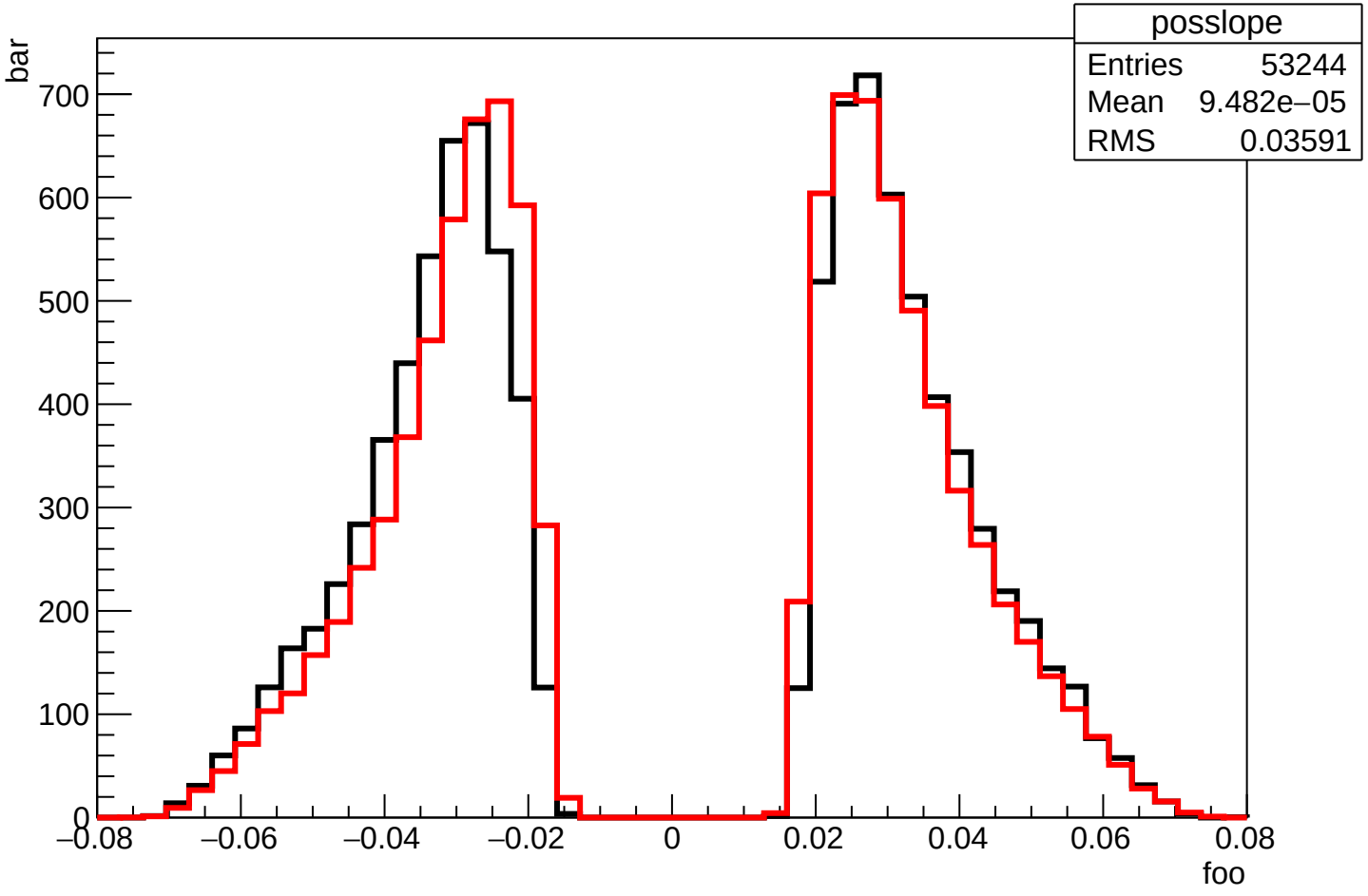

Electron z0 (mm)
elez0
Entries 53244
Mean −0.01349
RMS 0.2054
bar
foo
0
200
400
600
800
1000
1200
−1.5
−1
−0.5
0
0.5
1
1.5

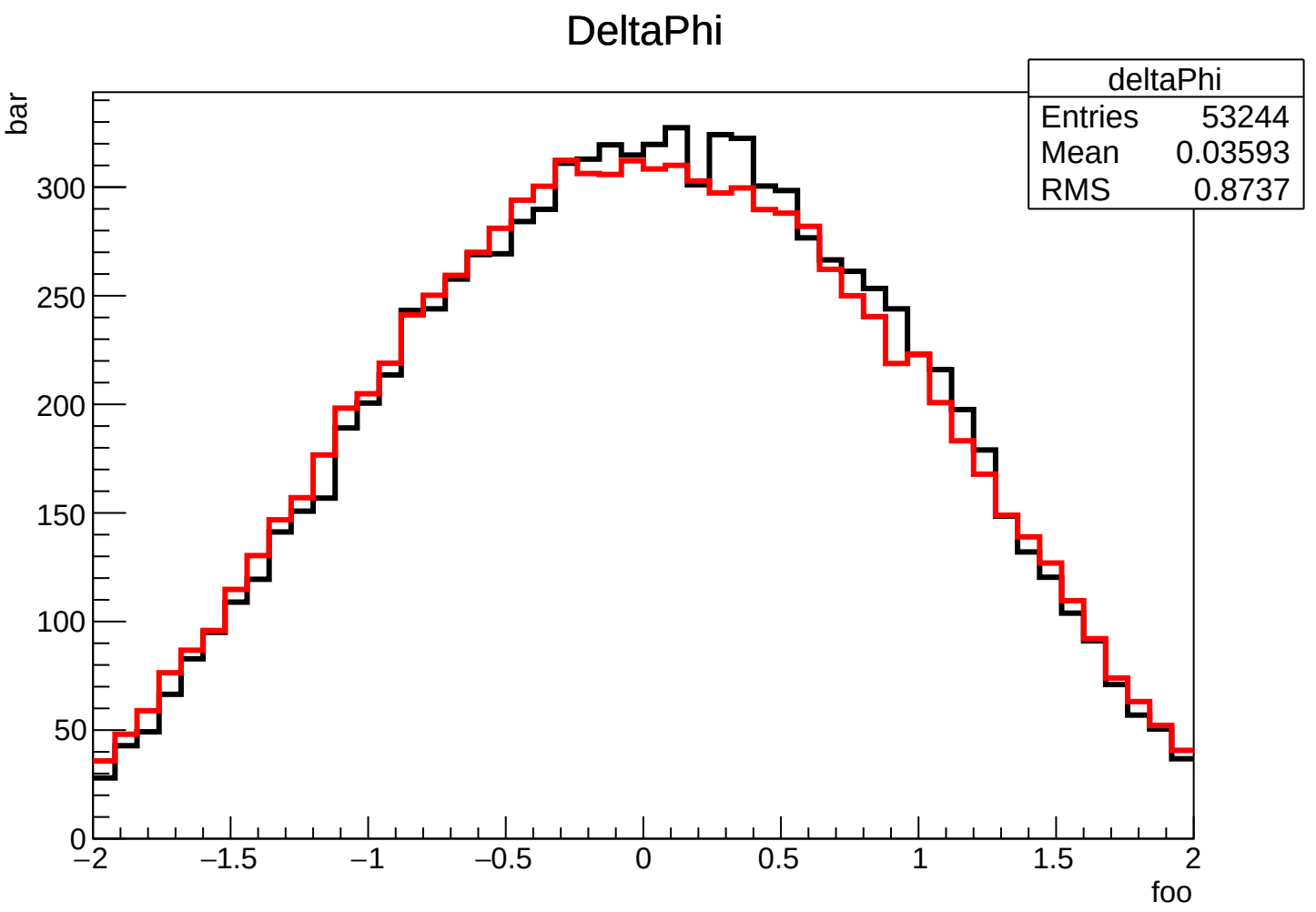

Positron z0 (mm)
posz0
Entries 53244
Mean −0.01358
RMS 0.2158
bar
1000
800
600
400
200
0
−1.5
−1
−0.5
0
0.5
1
1.5
foo

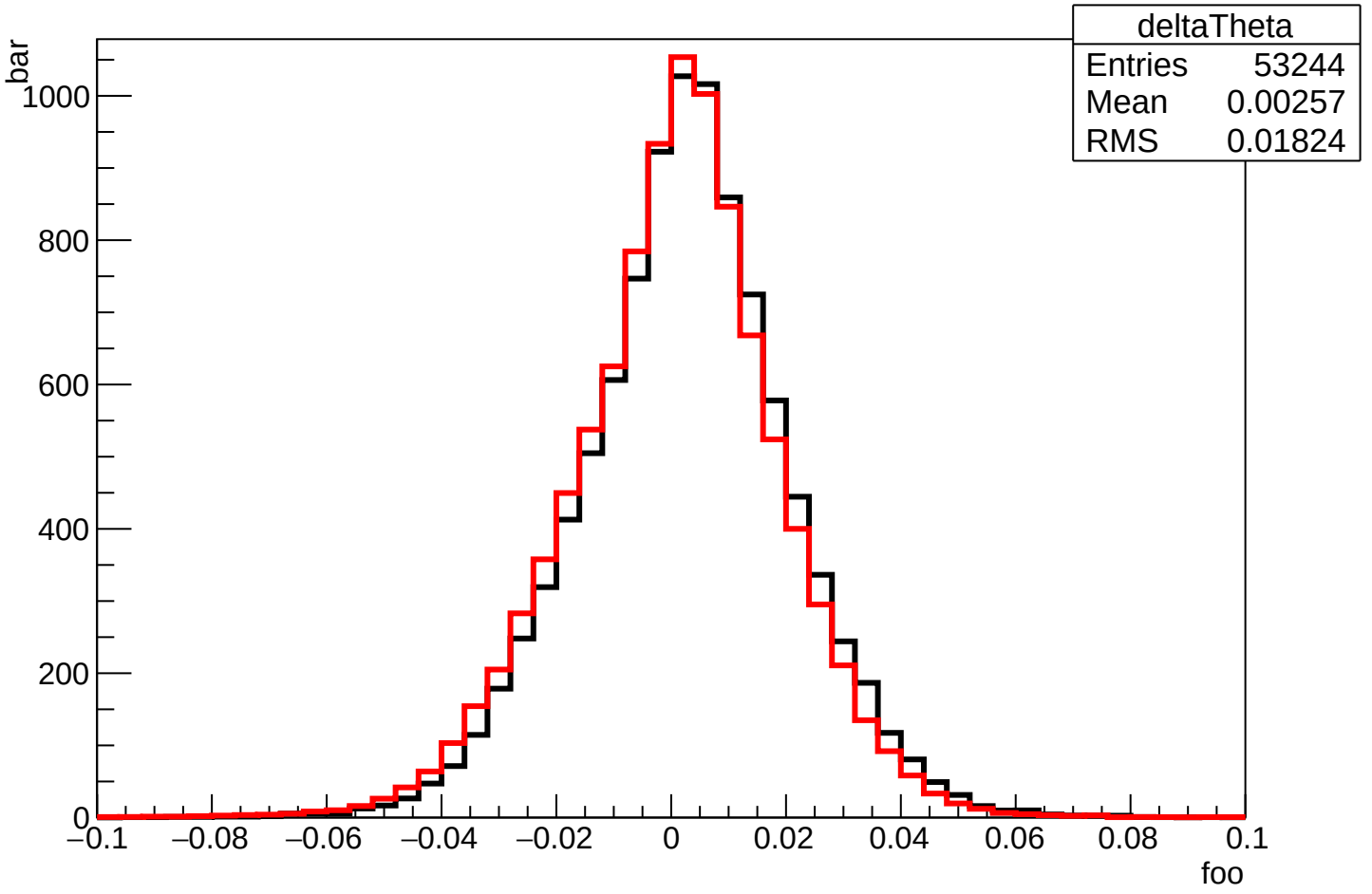

Electron phi0
elephi0
Entries 53244
Mean 0.0291
RMS 0.02099
bar
foo
0
100
200
300
400
500
600
700
800
900
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

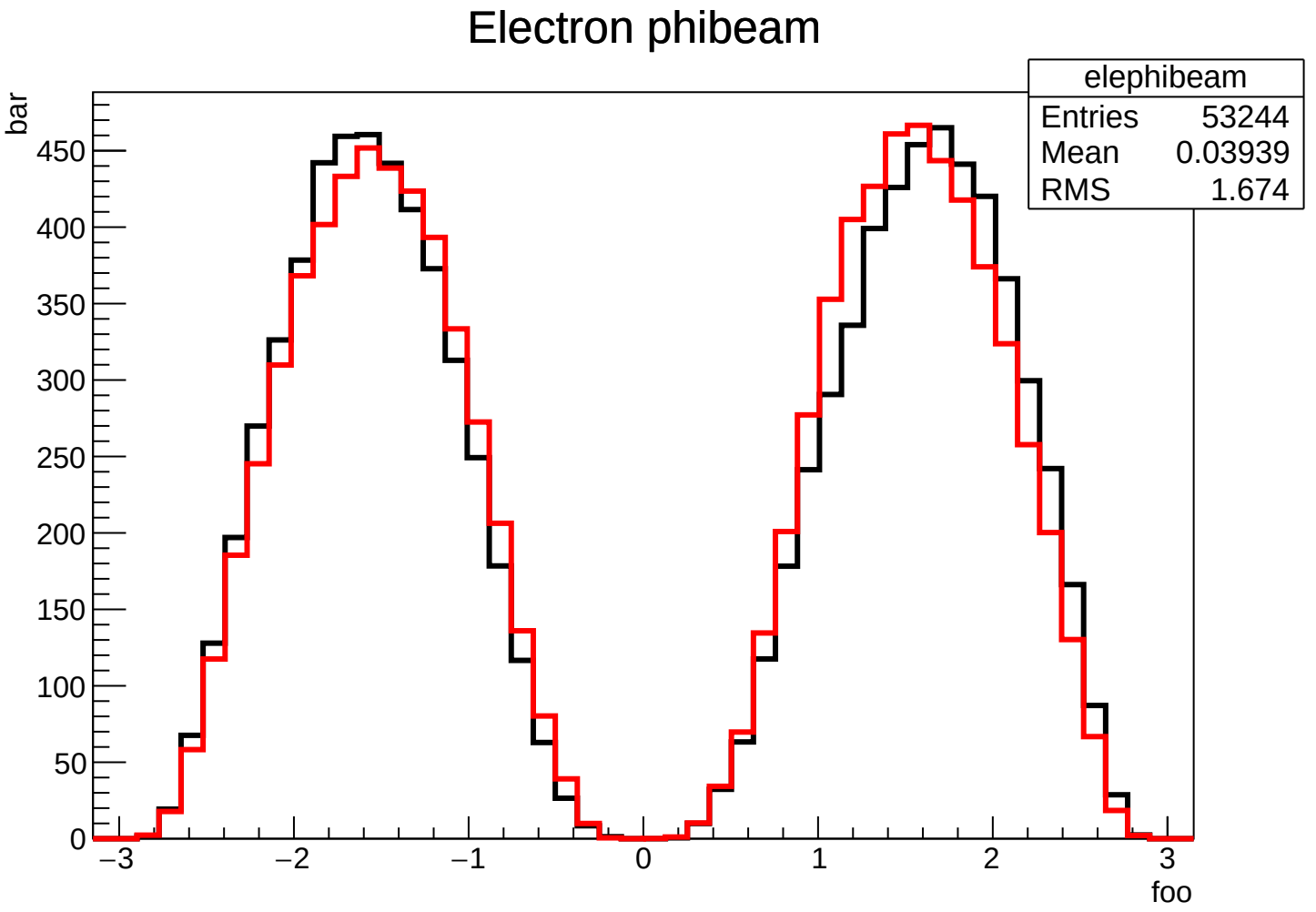

Positron phi0
posphi0
Entries 53244
Mean 0.0291
RMS 0.02099
bar
foo
0
100
200
300
400
500
600
700
800
900
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

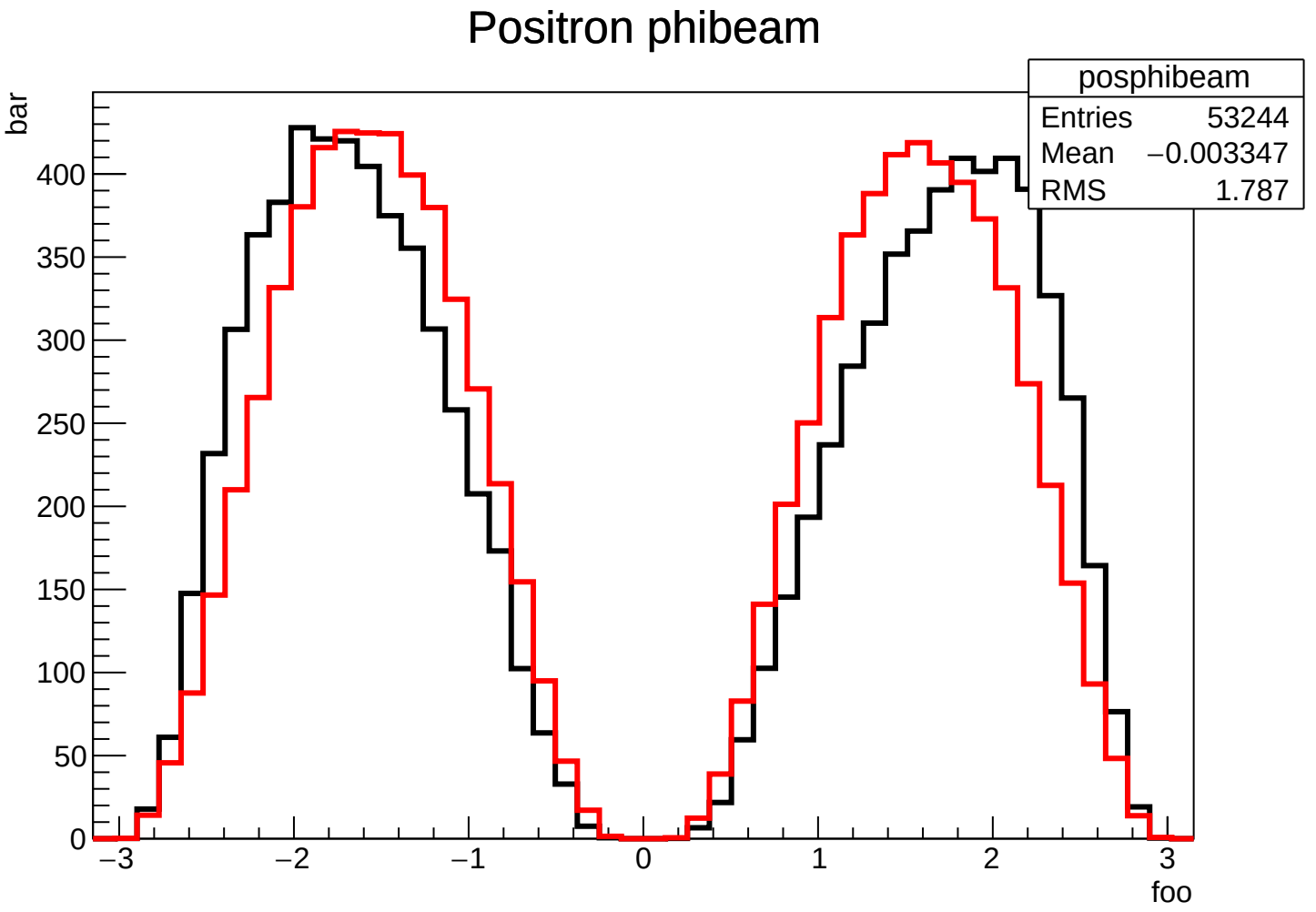

Electron slope
eleslope
Entries 53244
Mean 9.482e−05
RMS 0.03591
bar
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

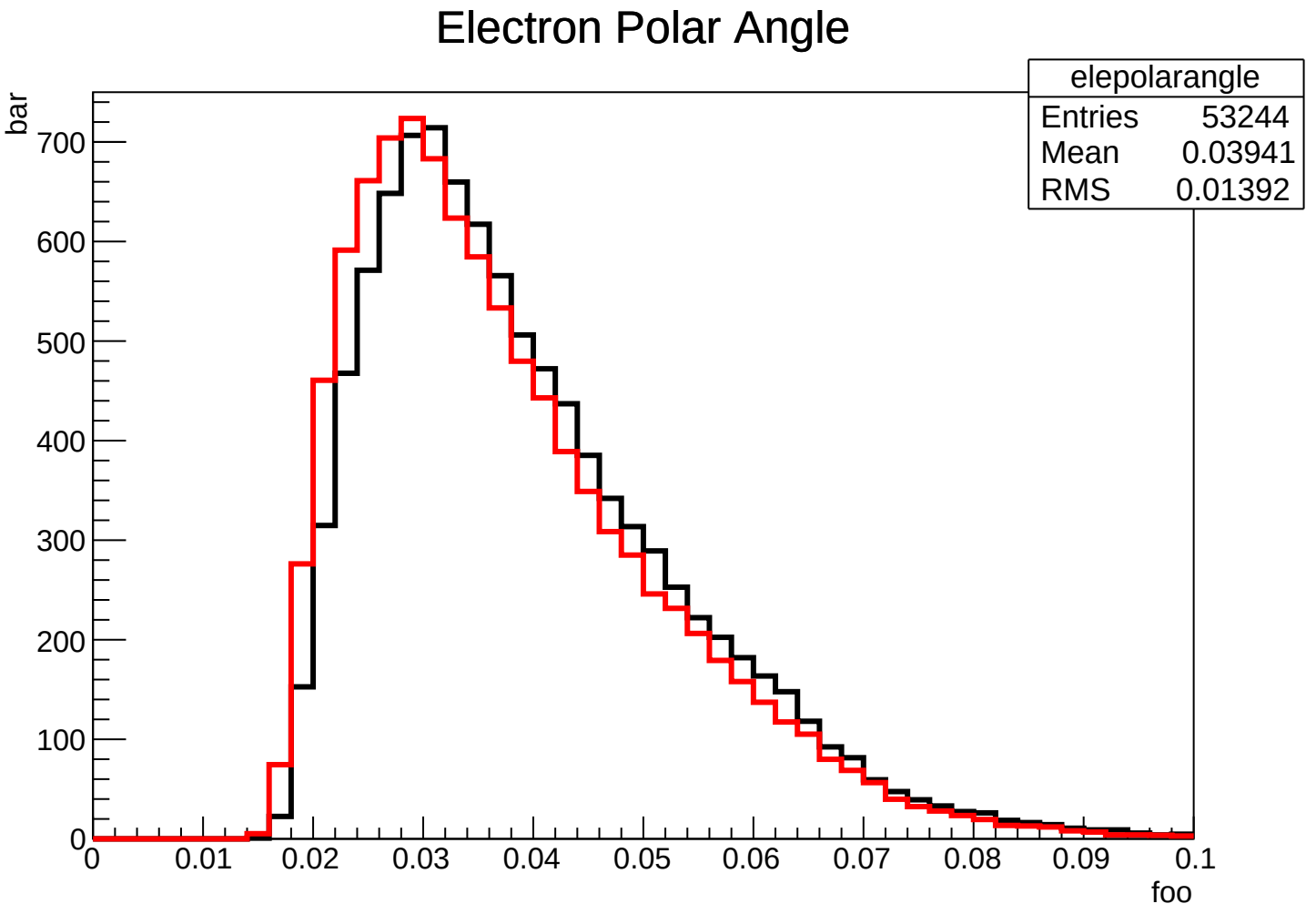

Positron slope
posslope
Entries 53244
Mean 9.482e−05
RMS 0.03591
bar
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

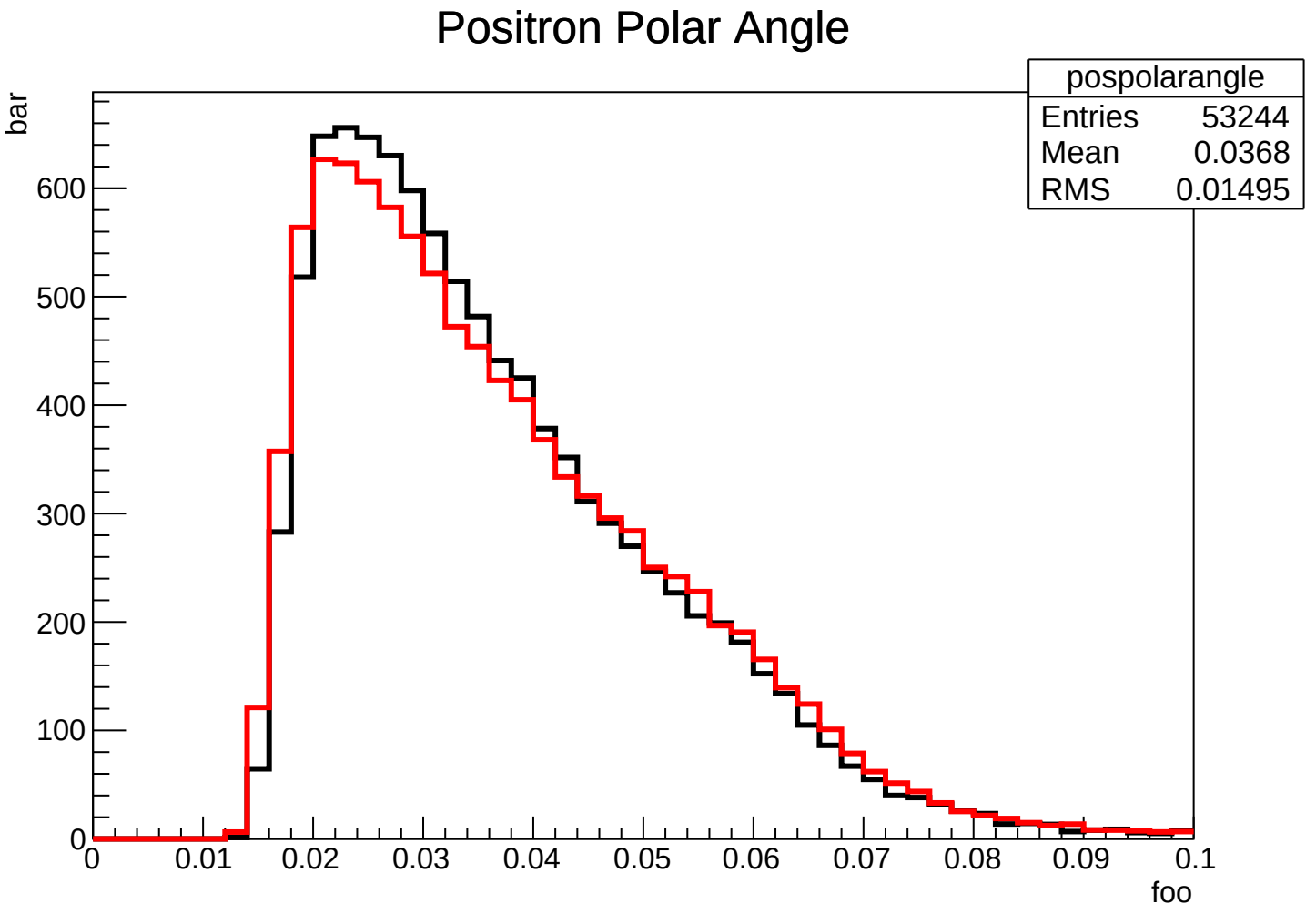

DeltaPhi
deltaPhi
Entries 53244
Mean 0.03593
RMS 0.8737
bar
foo
0
50
100
150
200
250
300
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

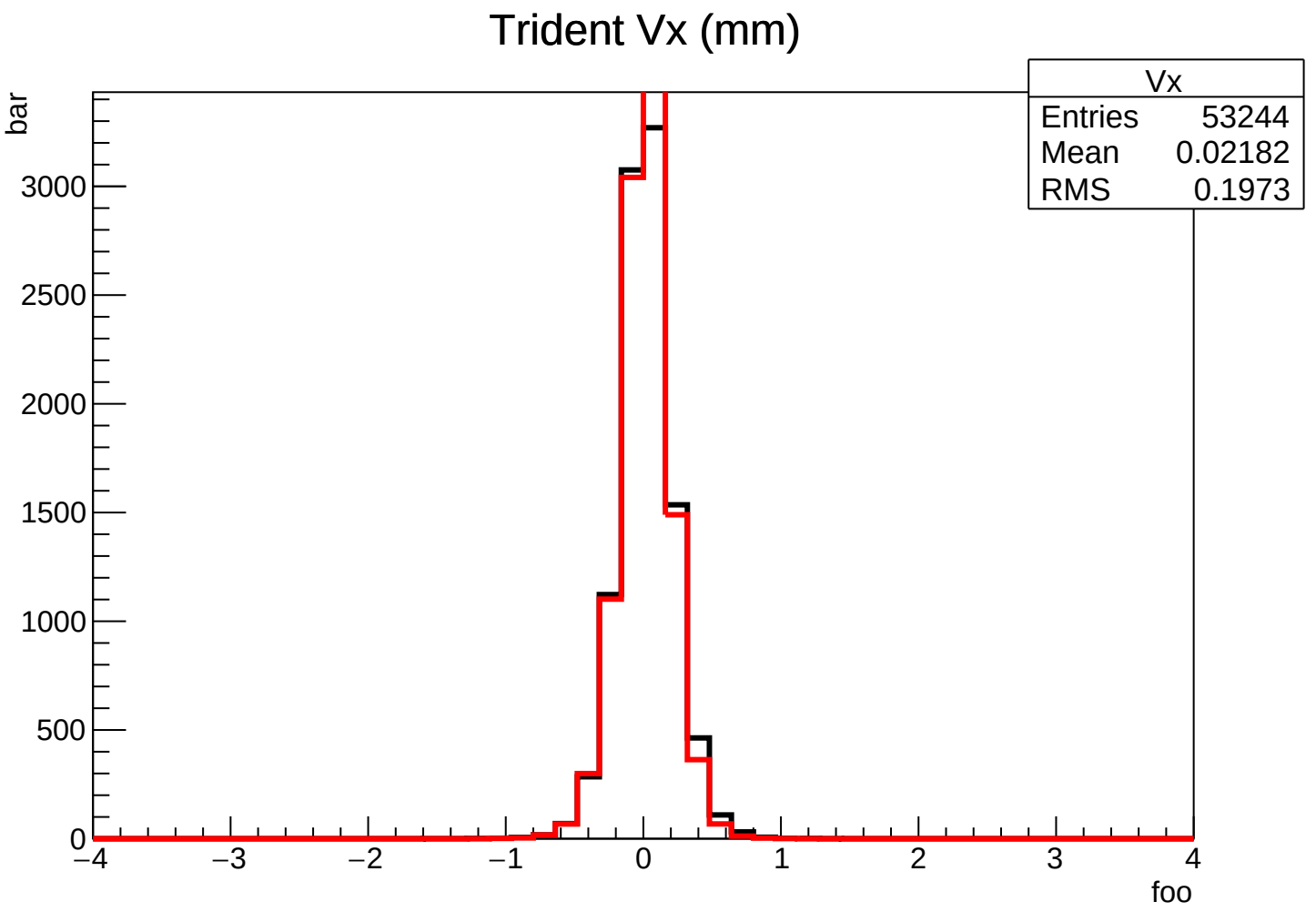

DeltaTheta
deltaTheta
Entries 53244
Mean 0.00257
RMS 0.01824
bar
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

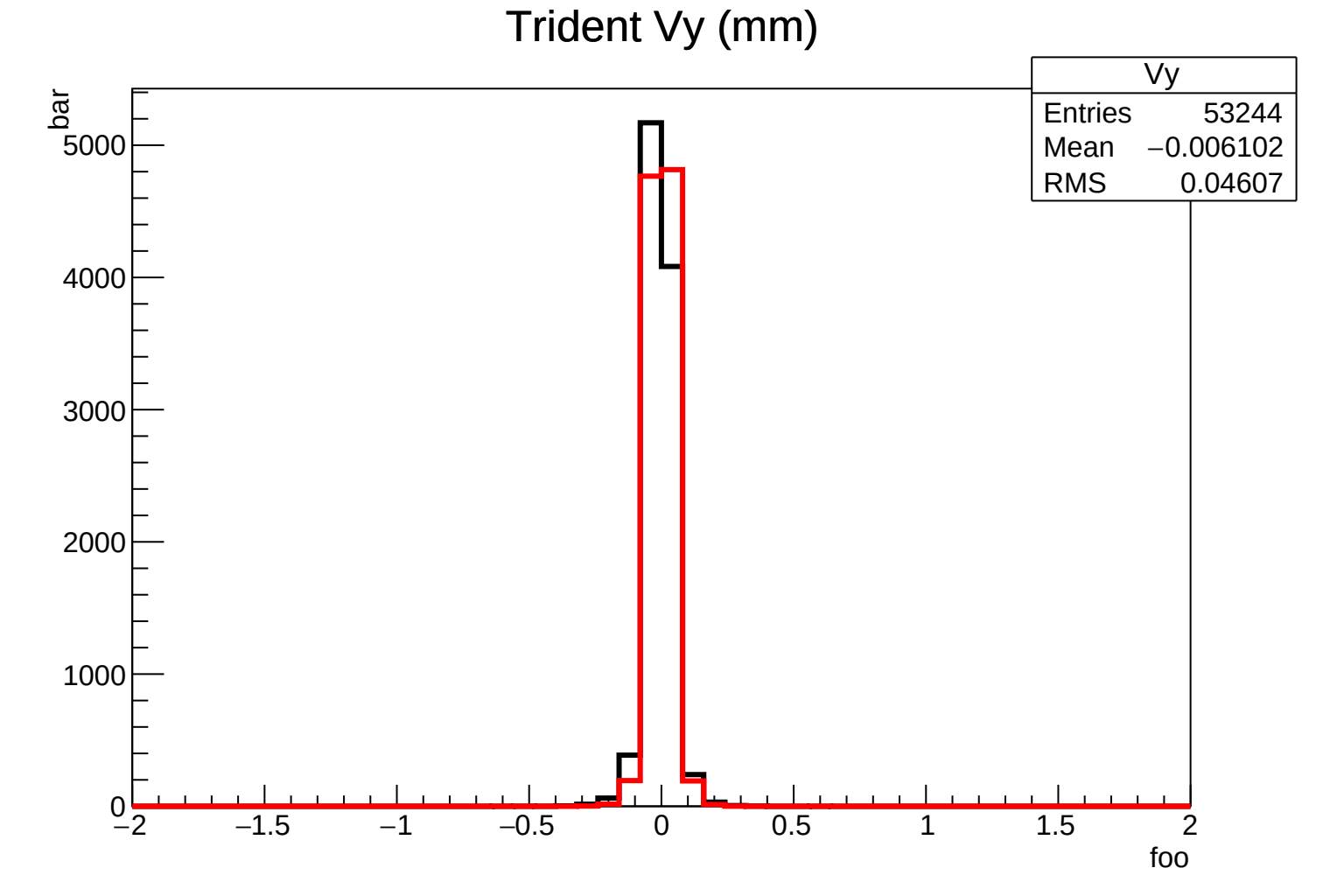

Electron phibeam
elephibeam
Entries 53244
Mean 0.03939
RMS 1.674
bar
foo
0
50
100
150
200
250
300
350
400
450
−3
−2
−1
0
1
2
3

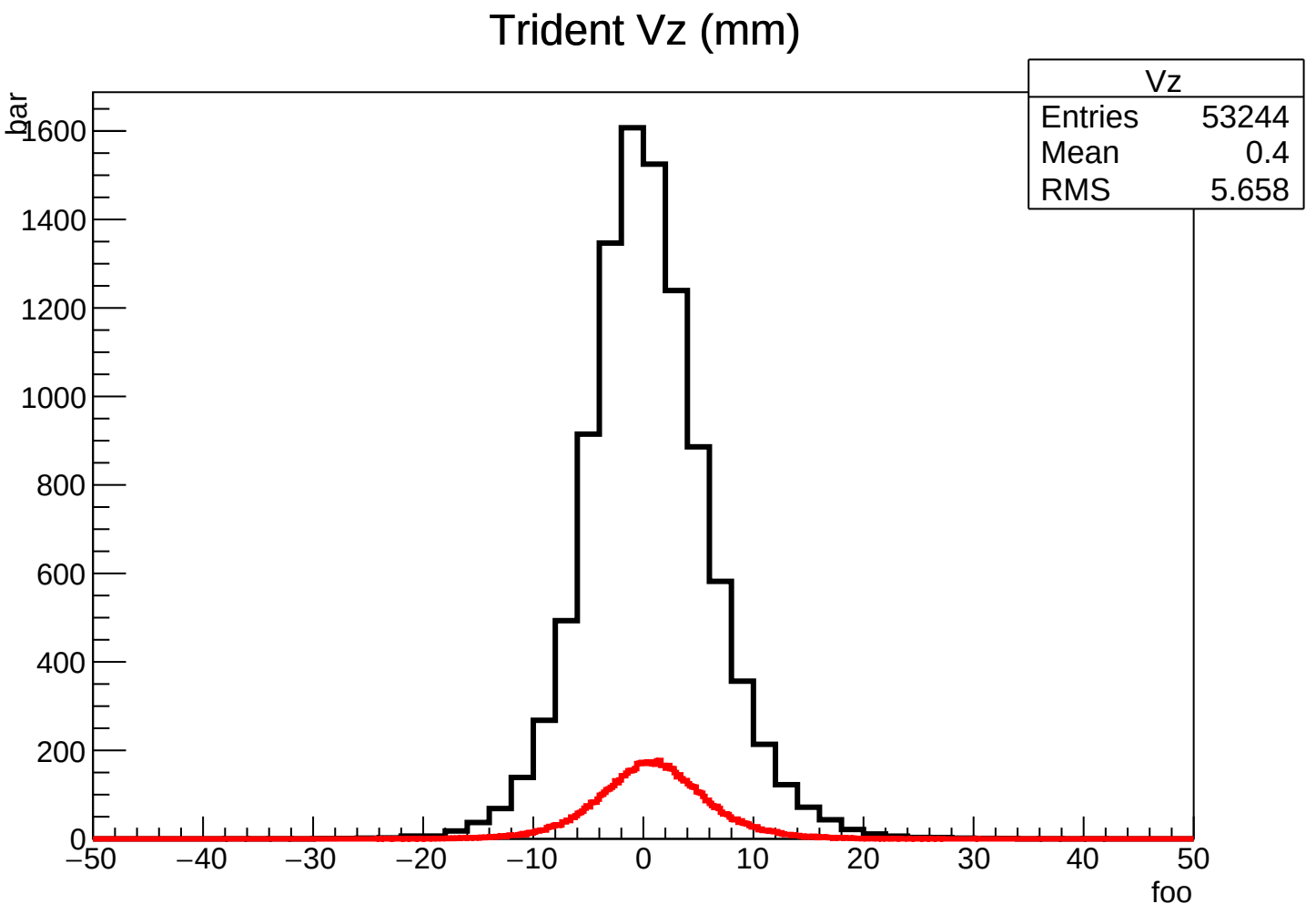

Positron phibeam
posphibeam
Entries 53244
Mean −0.003347
RMS 1.787
bar
foo
0
50
100
150
200
250
300
350
400
−3
−2
−1
0
1
2
3

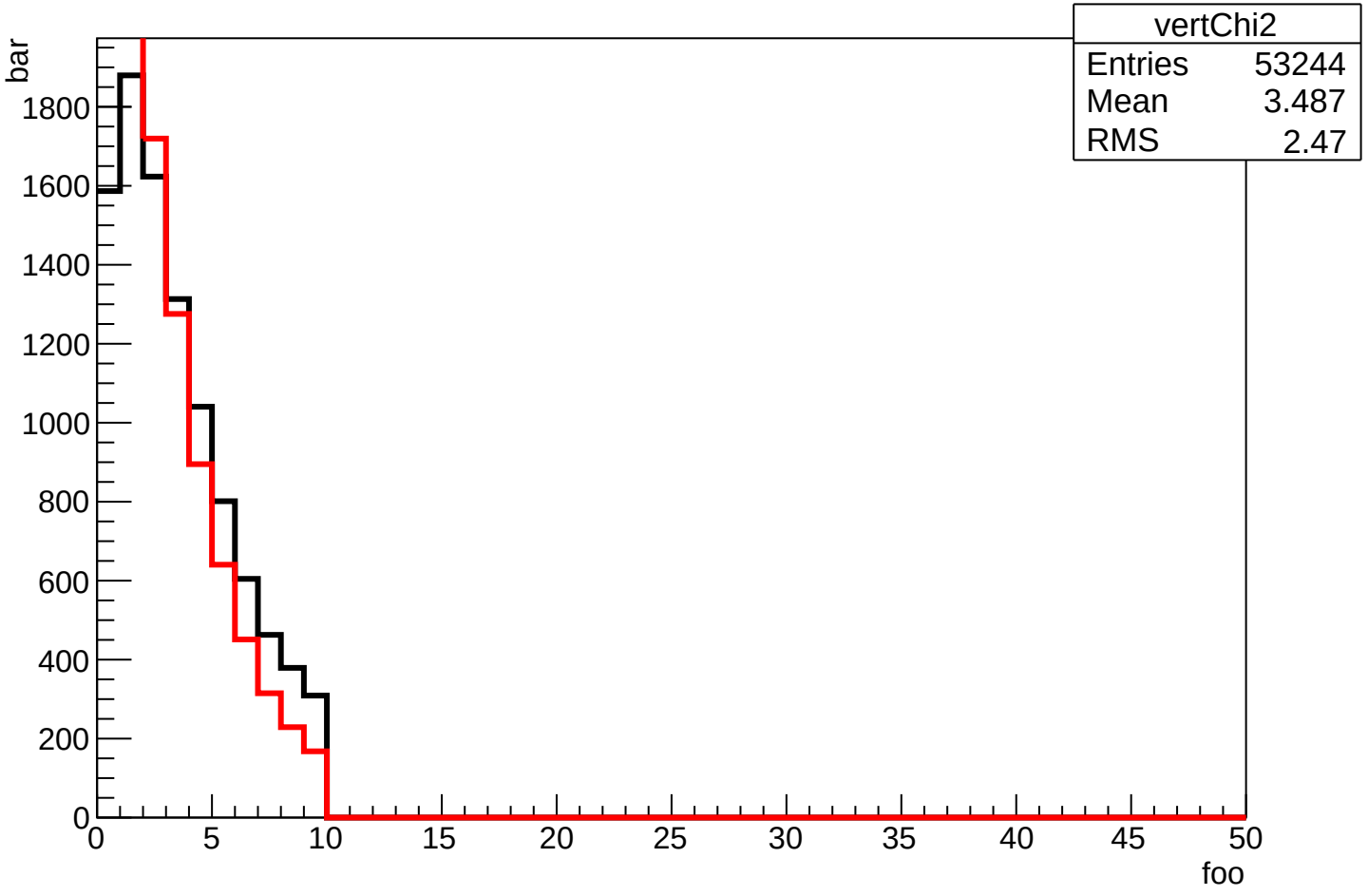

Electron Polar Angle
elepolarangle
Entries 53244
Mean 0.03941
RMS 0.01392
bar
foo
0
100
200
300
400
500
600
700
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1

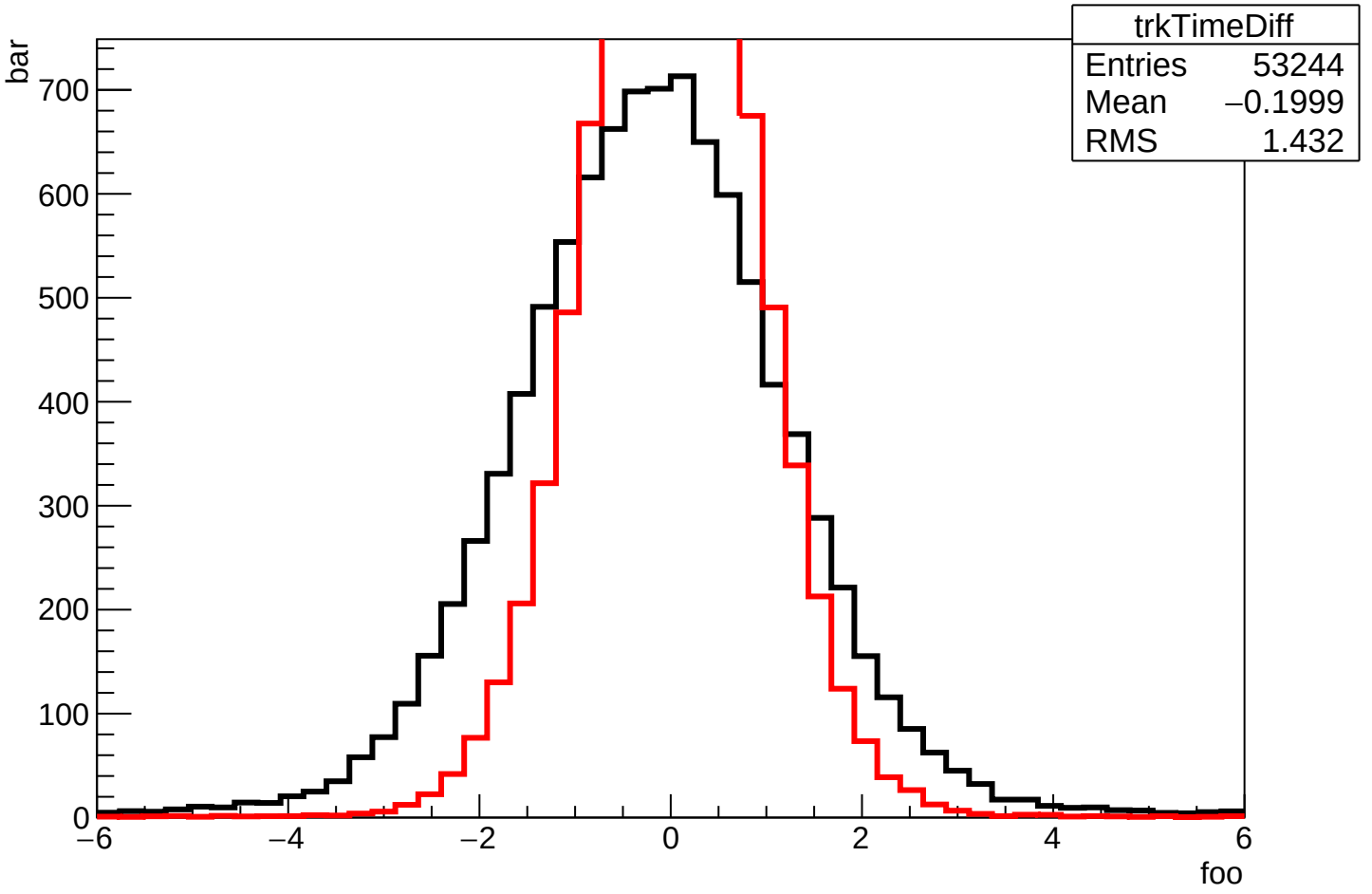

Positron Polar Angle
pospolarangle
Entries 53244
Mean 0.0368
RMS 0.01495
bar
foo
0
100
200
300
400
500
600
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1

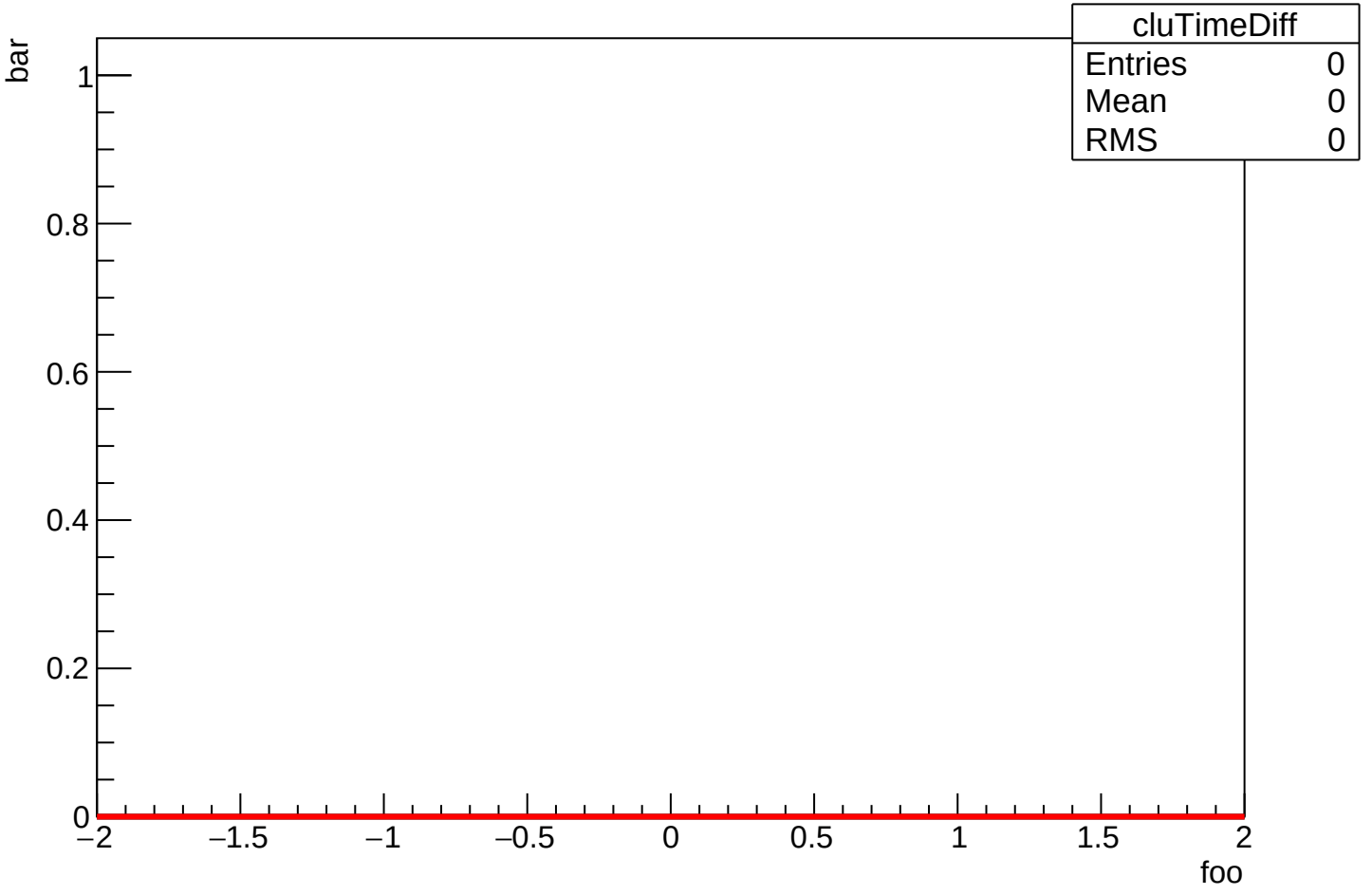

Trident Vx (mm)
Vx
Entries 53244
Mean 0.02182
RMS 0.1973
bar
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

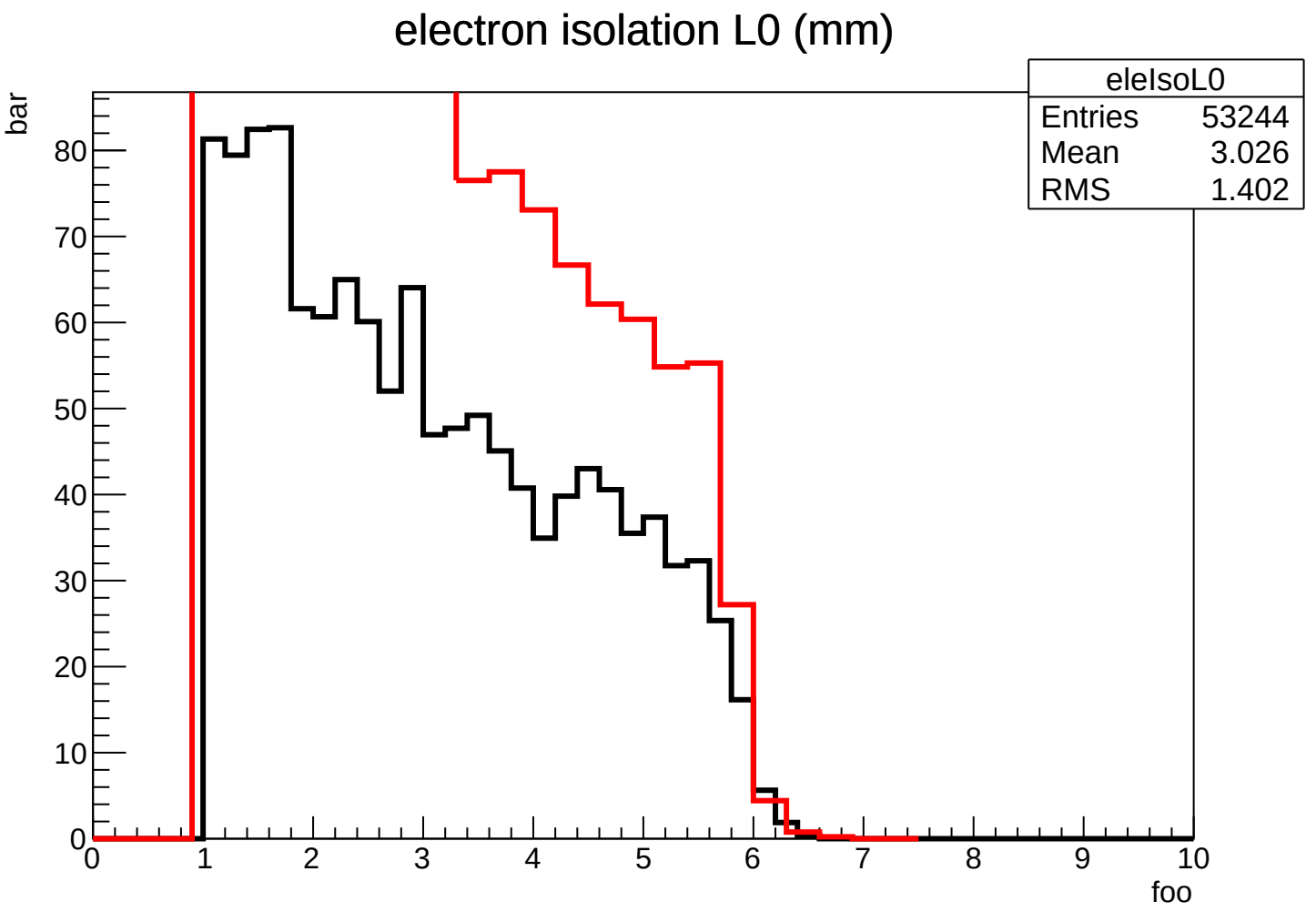

Trident Vy (mm)
Vy
Entries 53244
Mean −0.006102
RMS 0.04607
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

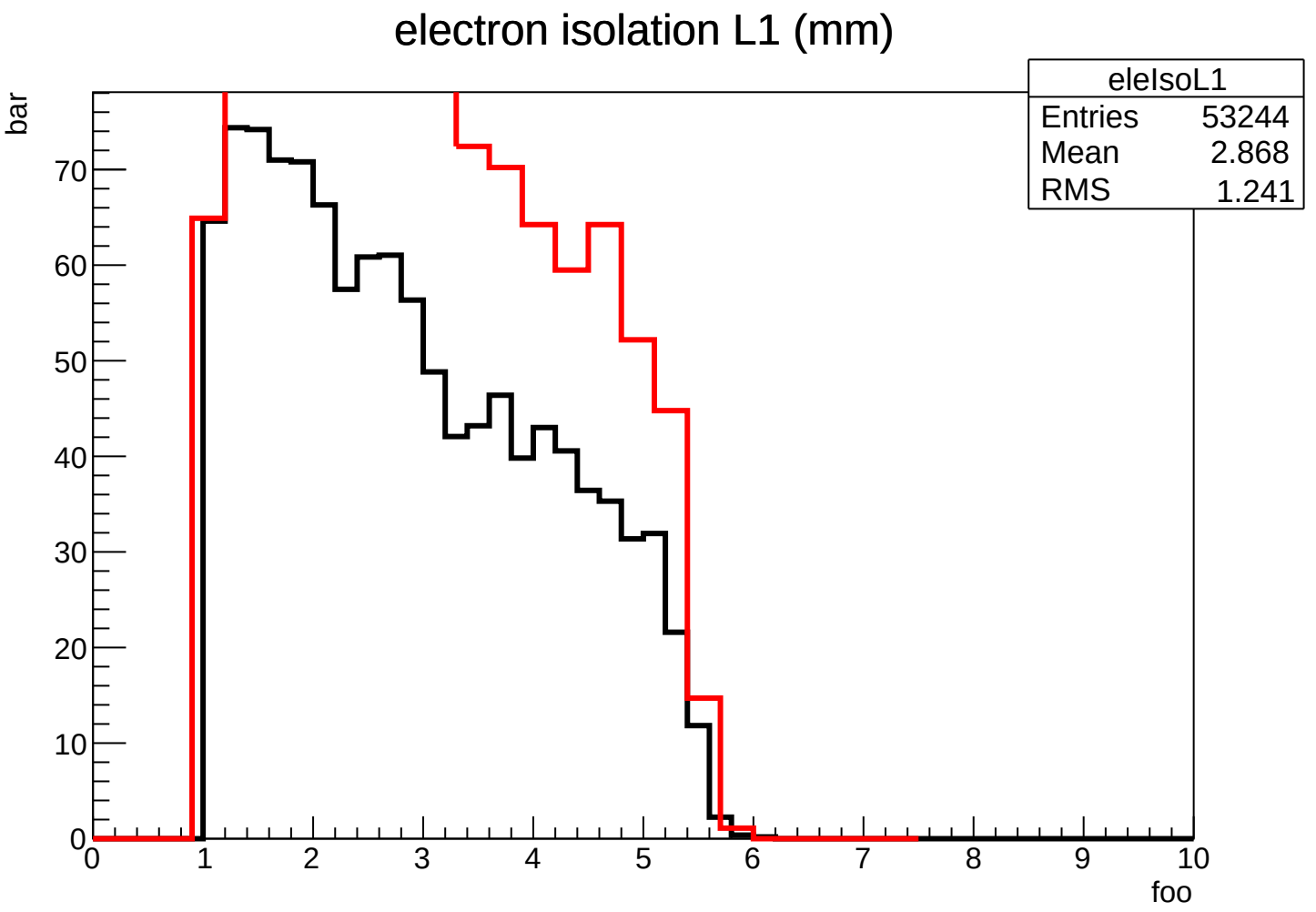

Trident Vz (mm)
Vz
Entries 53244
Mean 0.4
RMS 5.658
bar
1600
1400
1200
1000
800
600
400
200
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

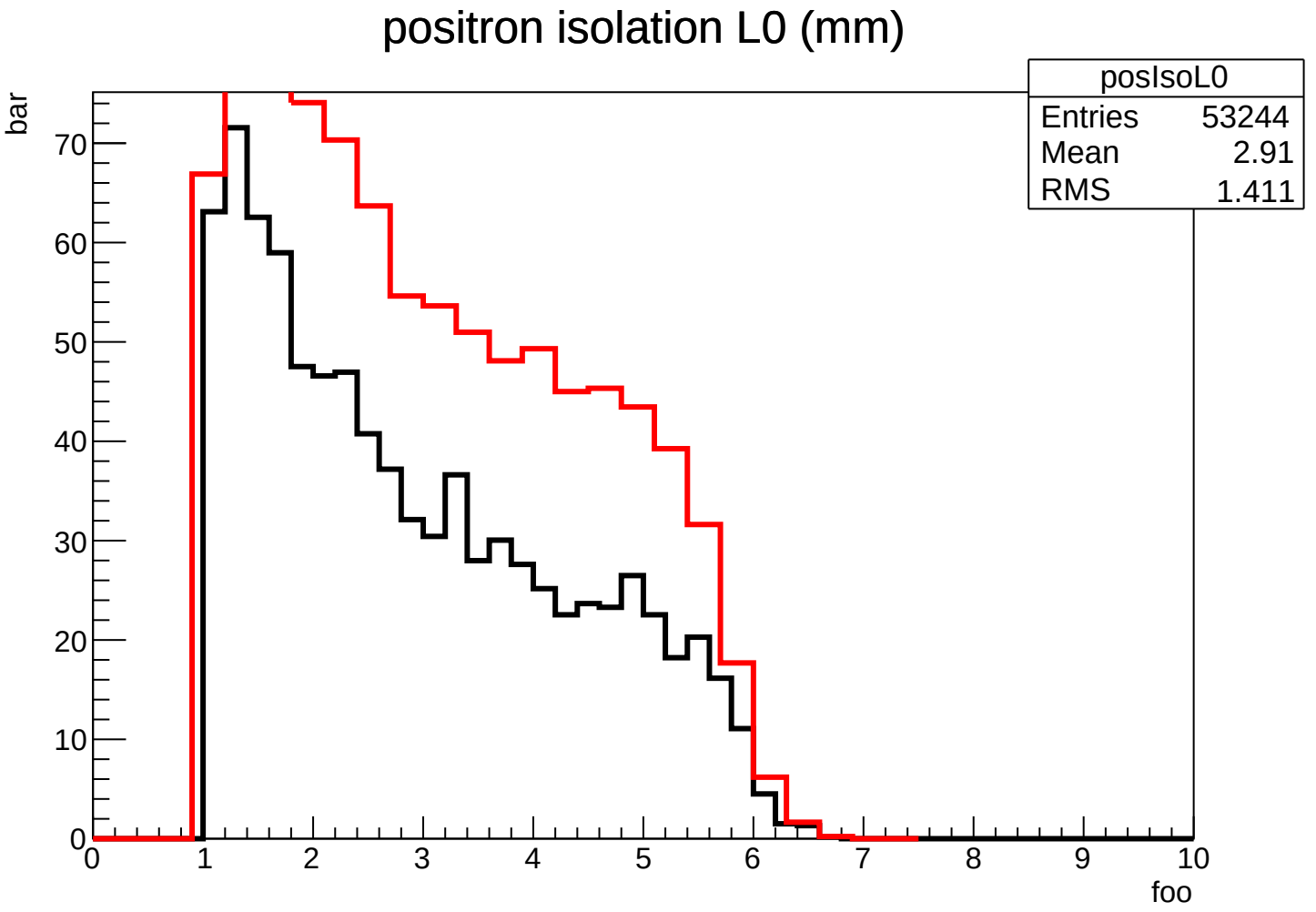

V0 Chi2
vertChi2
Entries 53244
Mean 3.487
RMS 2.47
bar
foo
0
200
400
600
800
1000
1200
1400
1600
1800
0
5
10
15
20
25
30
35
40
45
50

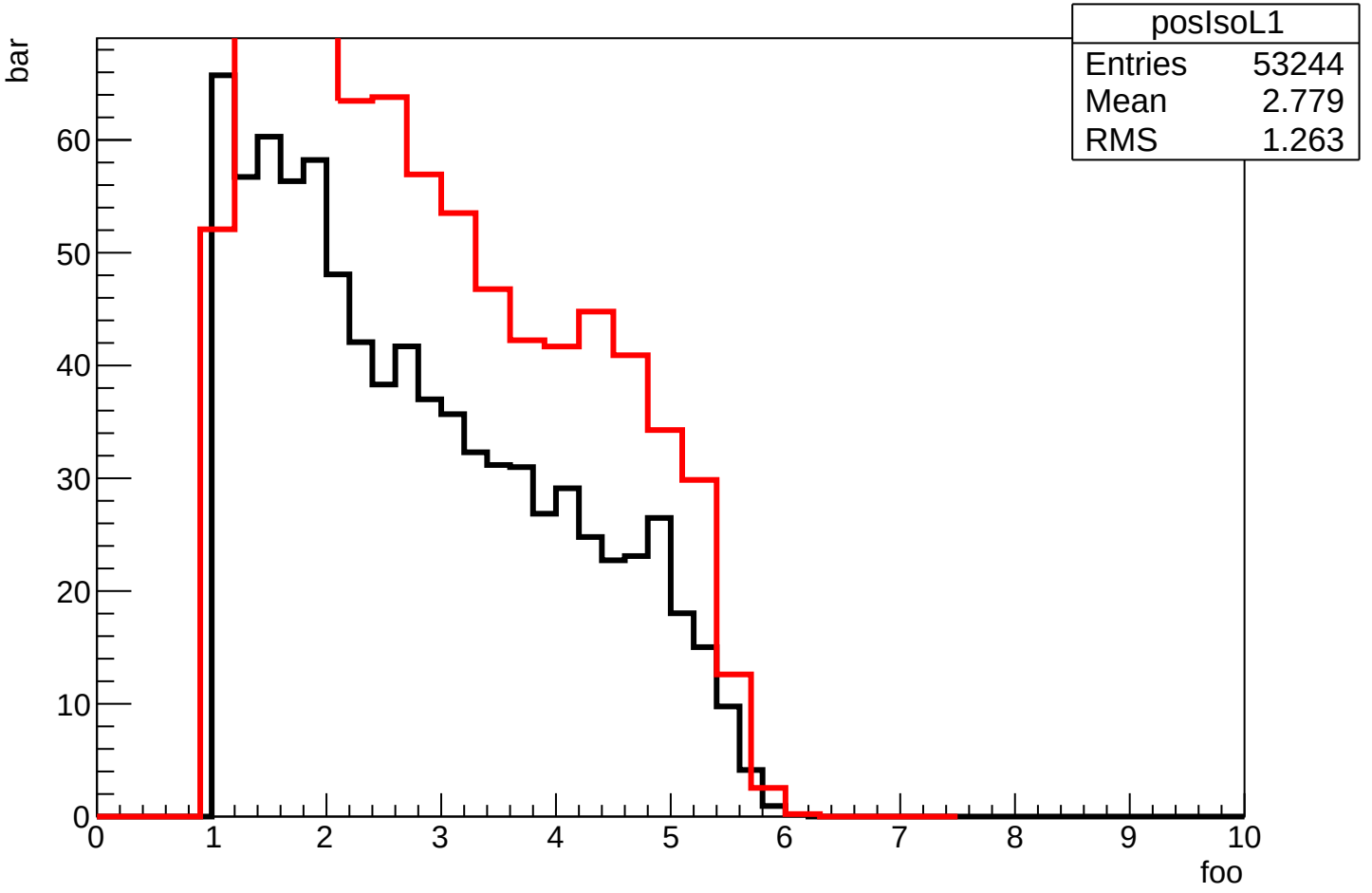

Ele-Pos Time Difference (ns)
trkTimeDiff
Entries 53244
Mean −0.1999
RMS 1.432
bar
700
600
500
400
300
200
100
0
−6
−4
−2
0
2
4
6
foo

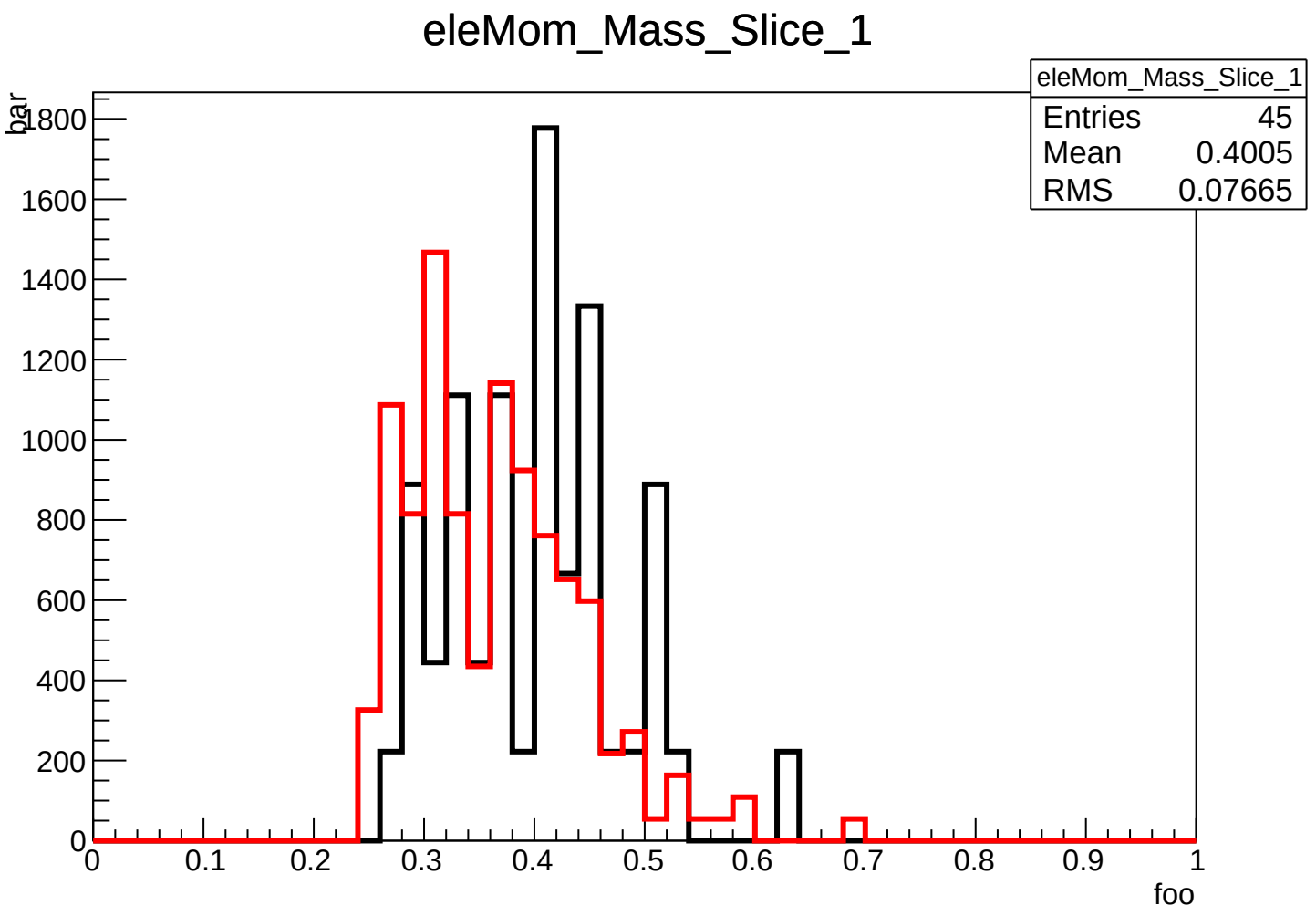

Cluster Time Difference (ns)
cluTimeDiff
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

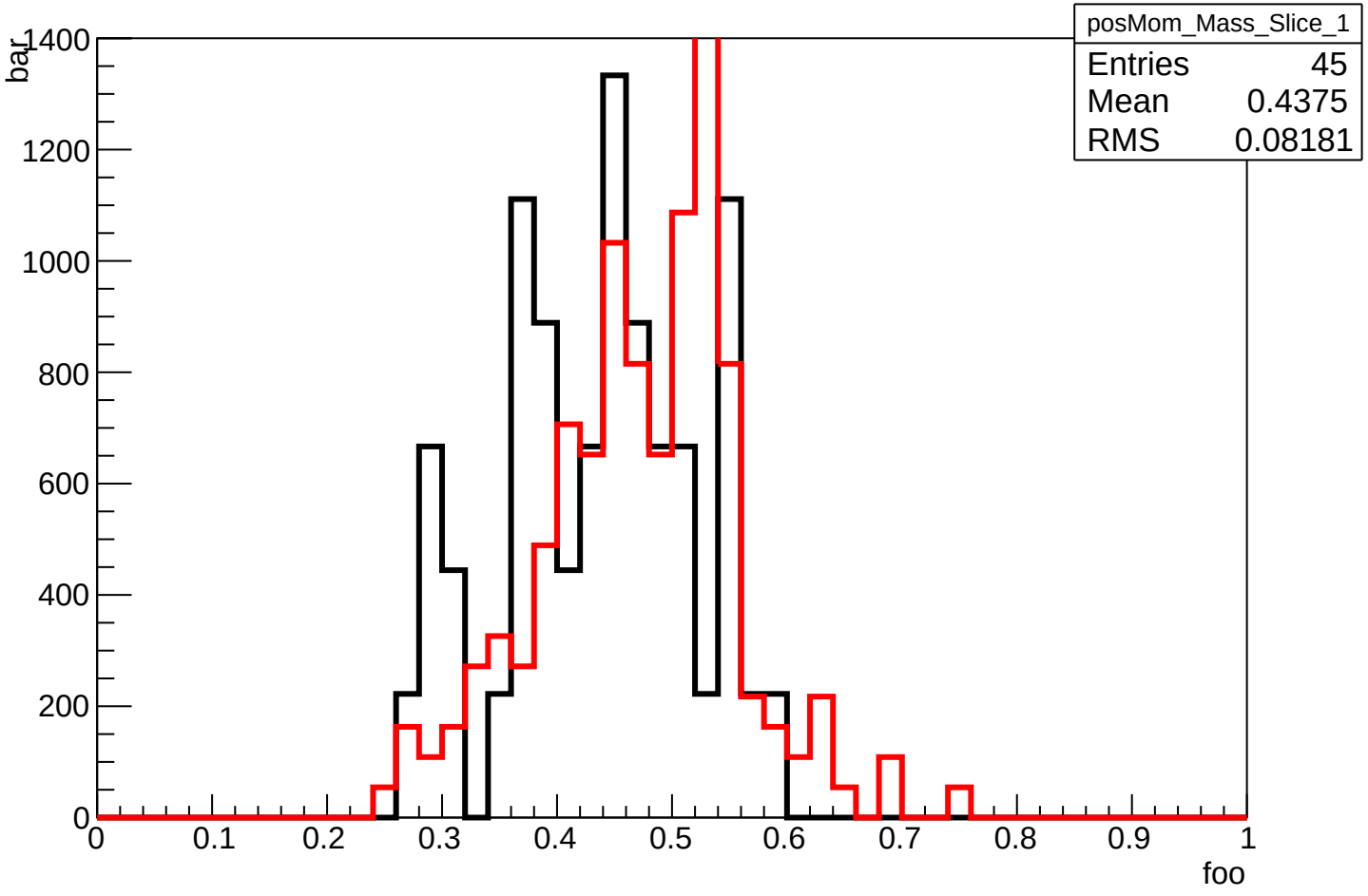

electron isolation L0 (mm)
eleIsoL0
Entries 53244
Mean 3.026
RMS 1.402
bar
foo
0
10
20
30
40
50
60
70
80
0
1
2
3
4
5
6
7
8
9
10

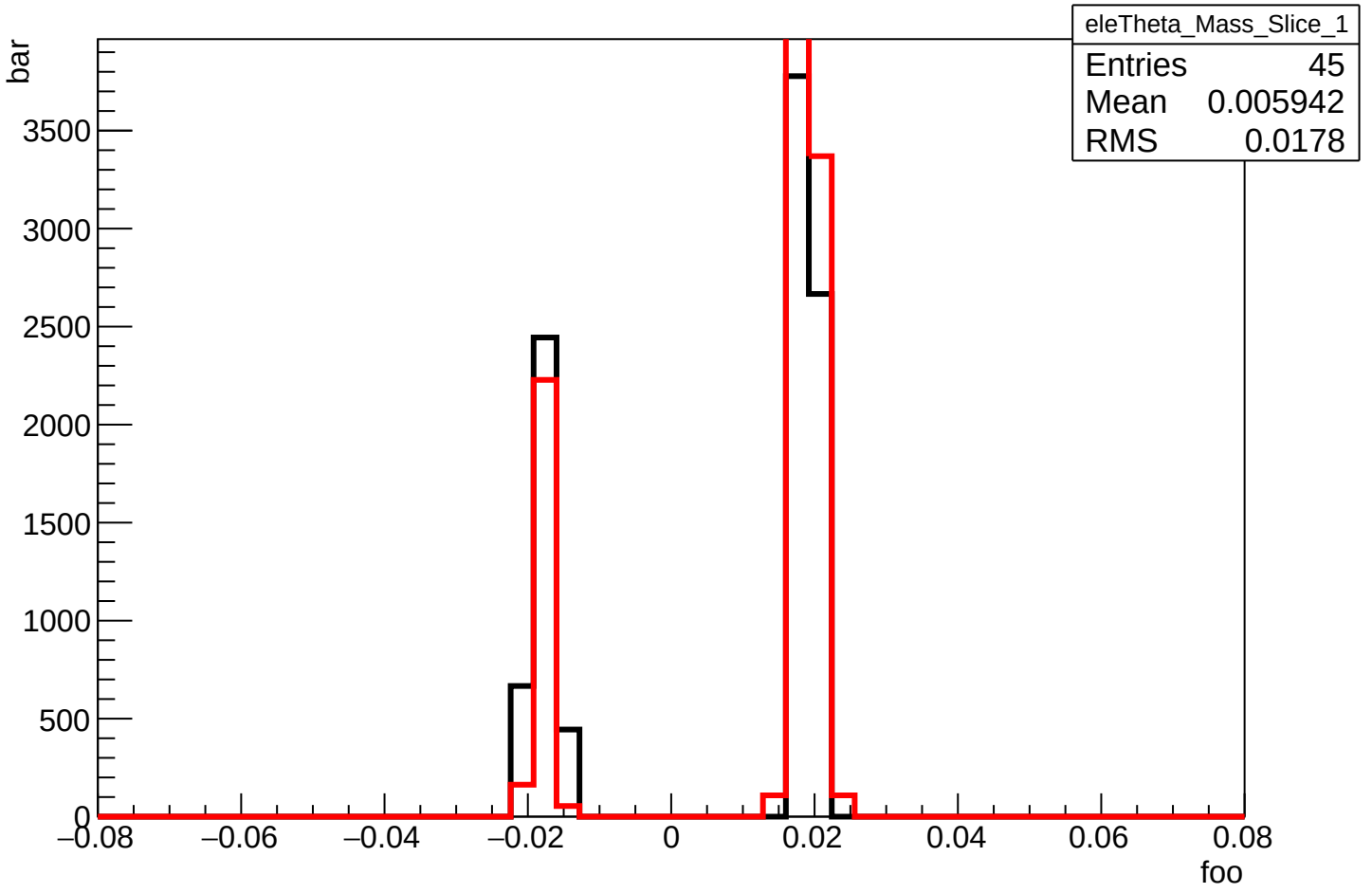

electron isolation L1 (mm)
eleIsoL1
Entries 53244
Mean 2.868
RMS 1.241
bar
foo
0
10
20
30
40
50
60
70
0
1
2
3
4
5
6
7
8
9
10

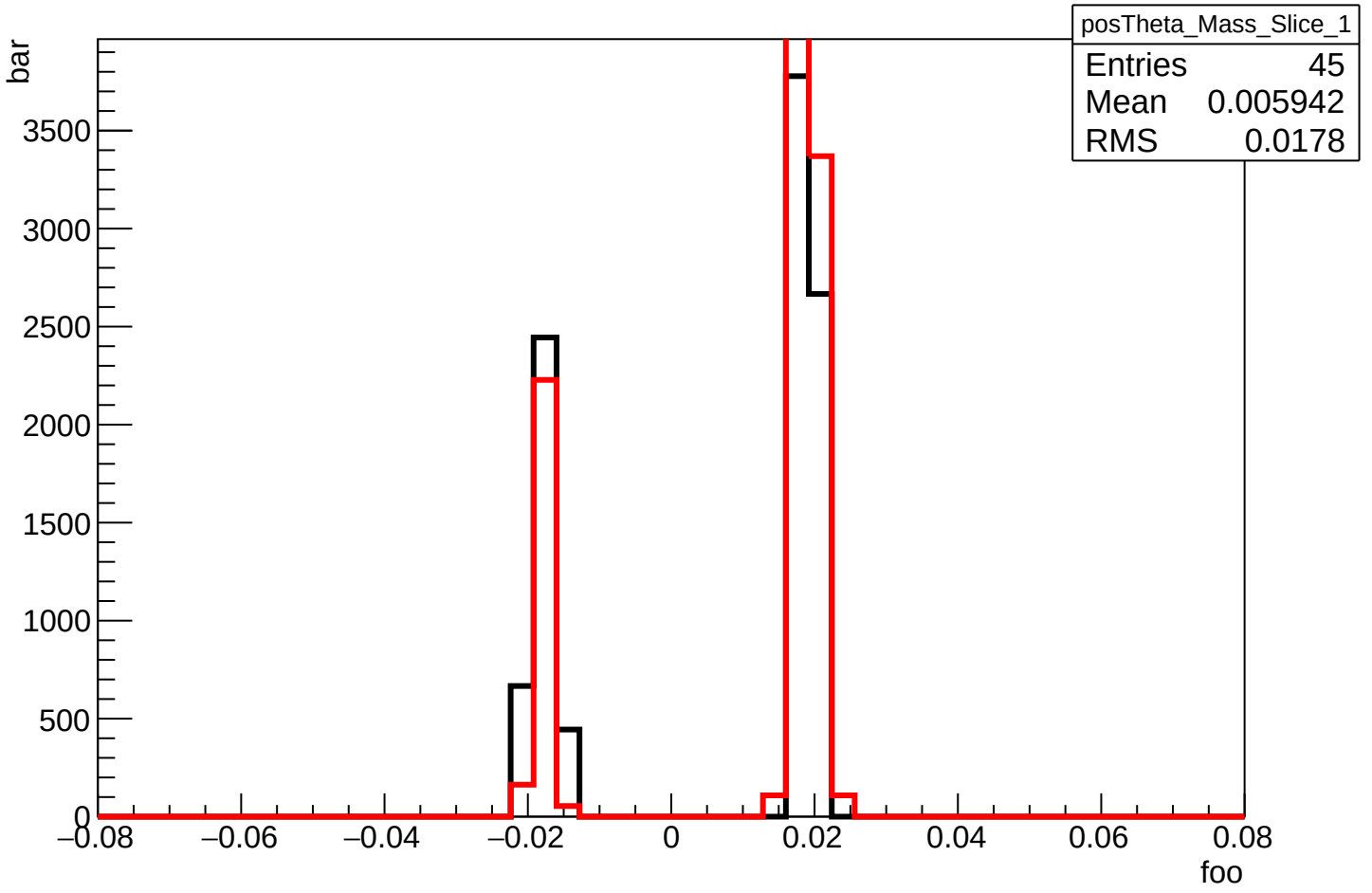

positron isolation L0 (mm)
posIsoL0
Entries 53244
Mean 2.91
RMS 1.411
bar
foo
0
10
20
30
40
50
60
70
0
1
2
3
4
5
6
7
8
9
10

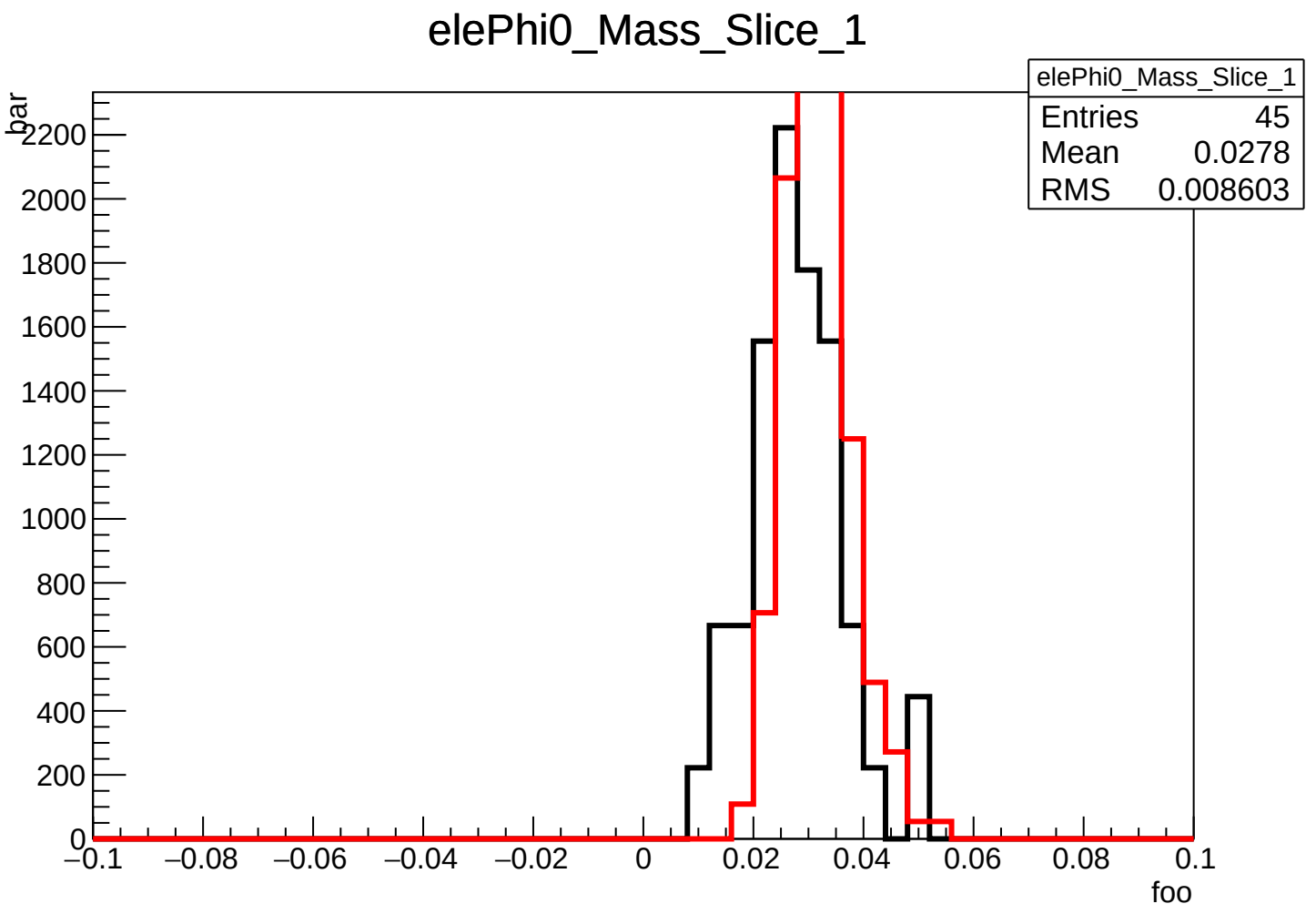

positron isolation L1 (mm)
posIsoL1
Entries 53244
Mean 2.779
RMS 1.263
bar
foo
0
10
20
30
40
50
60
0
1
2
3
4
5
6
7
8
9
10

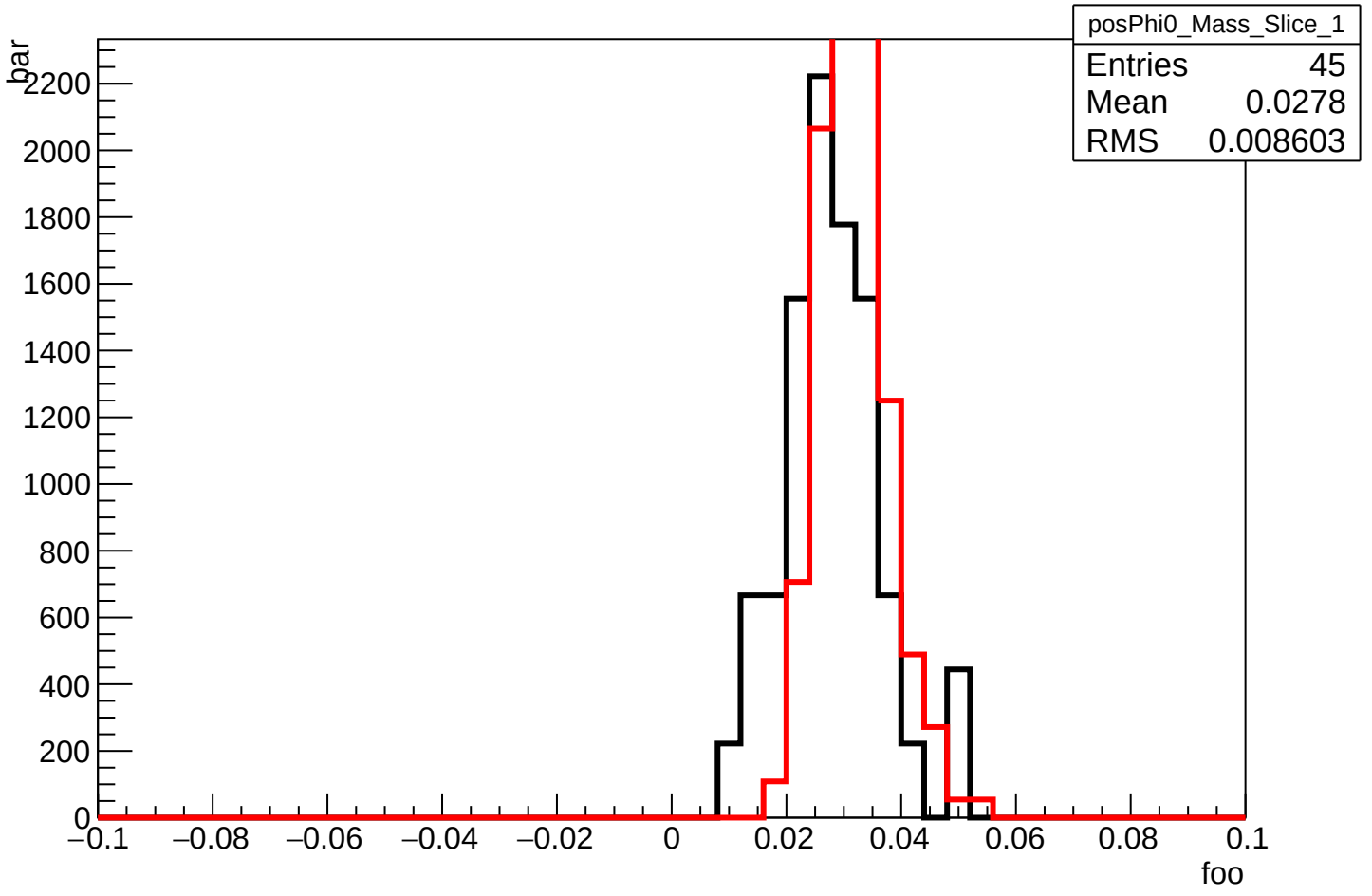

eleMom_Mass_Slice_1
eleMom_Mass_Slice_1
Entries 45
Mean 0.4005
RMS 0.07665
bar
foo
0
200
400
600
800
1000
1200
1400
1600
1800
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

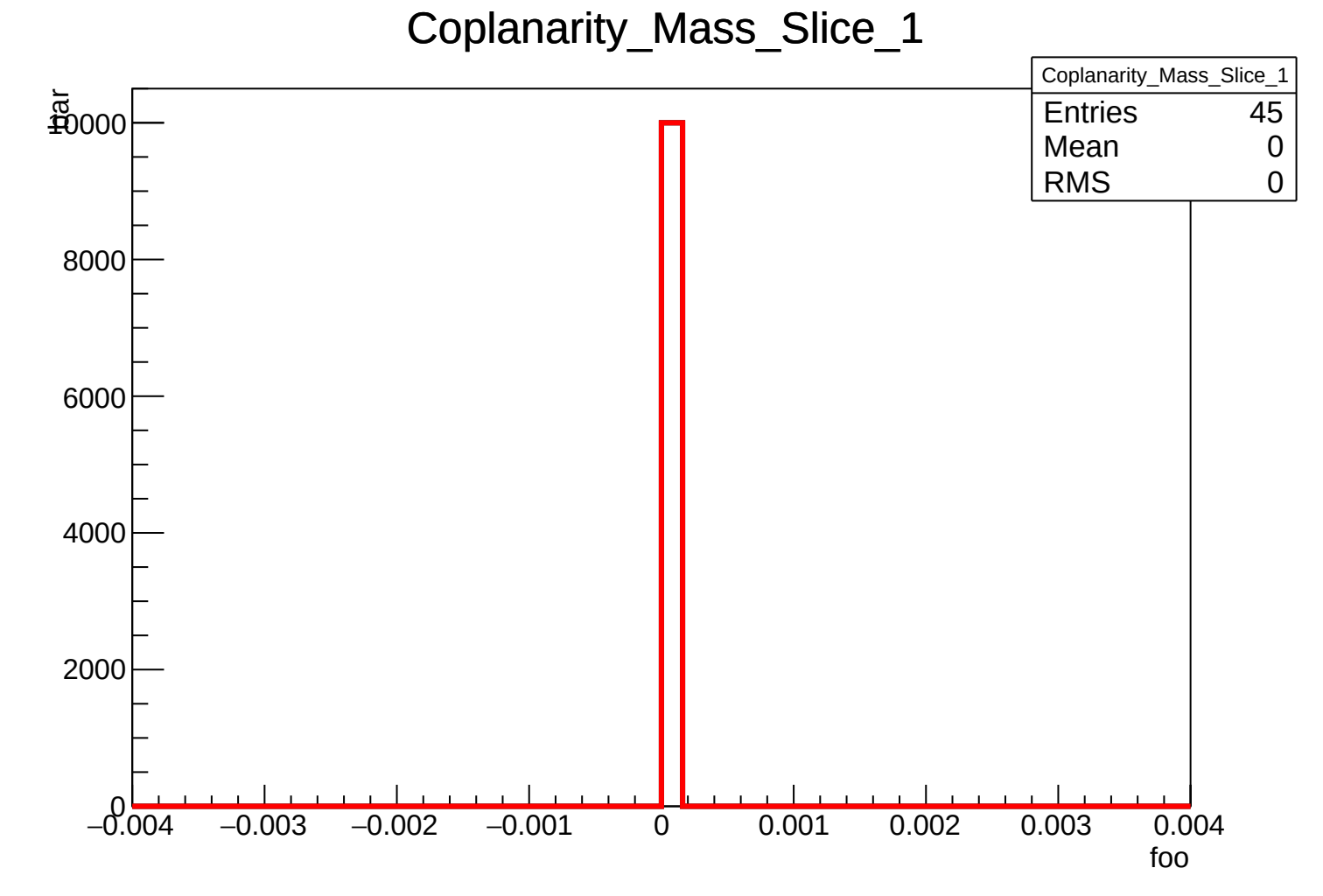

posMom_Mass_Slice_1
posMom_Mass_Slice_1
Entries 45
Mean 0.4375
RMS 0.08181
bar
foo
0
200
400
600
800
1000
1200
1400
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

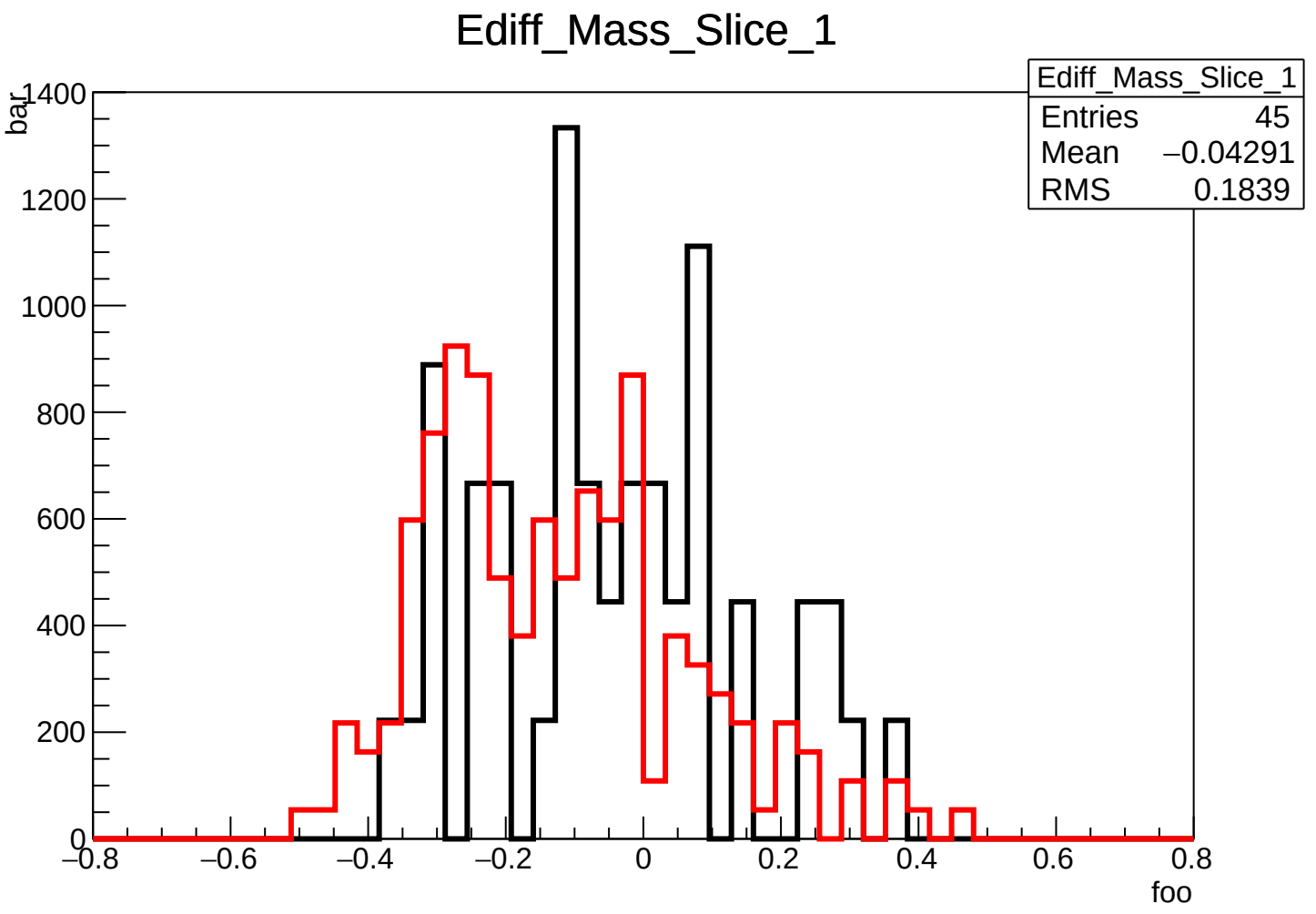

eleTheta_Mass_Slice_1
eleTheta_Mass_Slice_1
Entries 45
Mean 0.005942
RMS 0.0178
bar
3500
3000
2500
2000
1500
1000
500
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

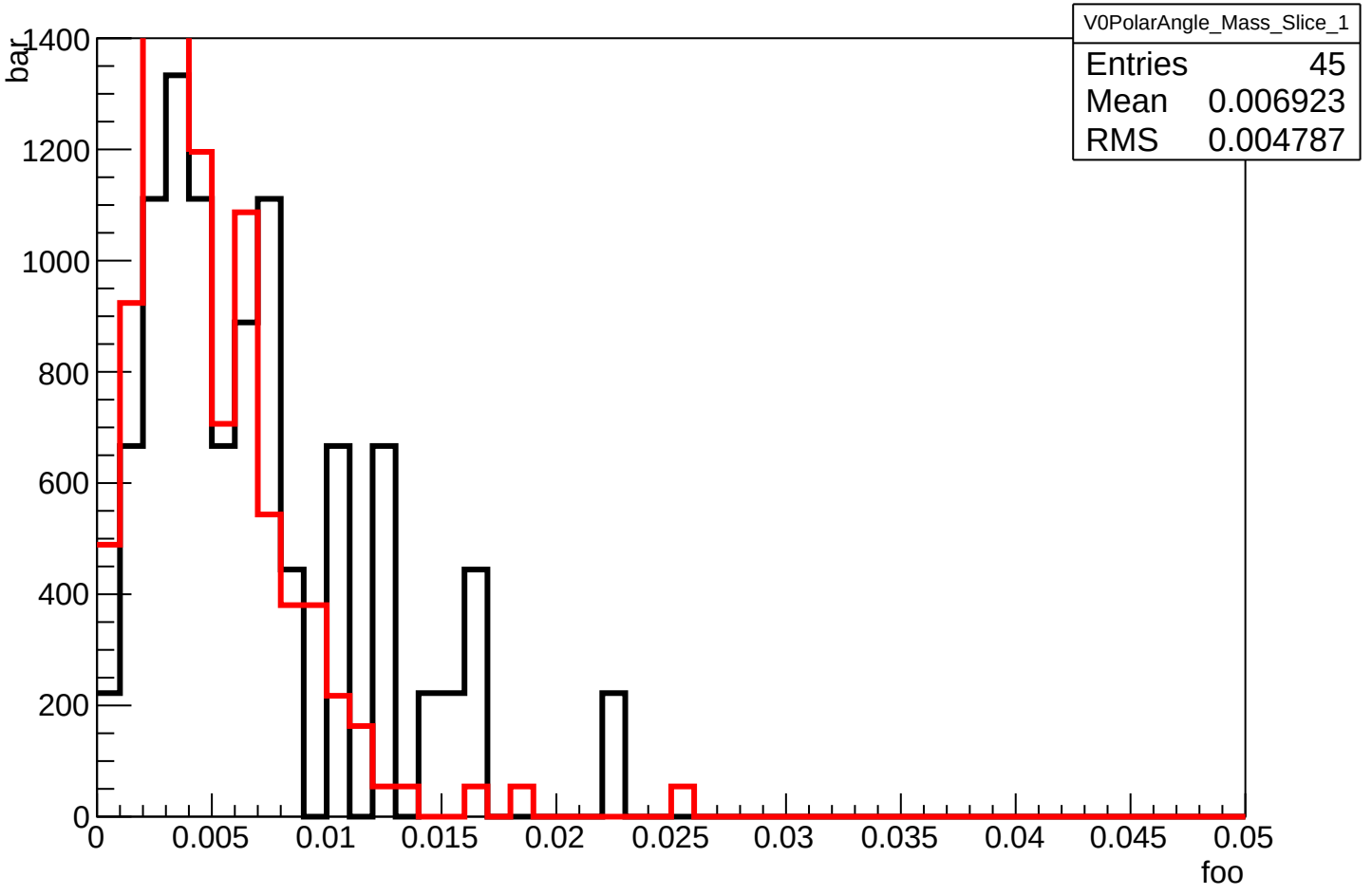

posTheta_Mass_Slice_1
posTheta_Mass_Slice_1
Entries 45
Mean 0.005942
RMS 0.0178
bar
3500
3000
2500
2000
1500
1000
500
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

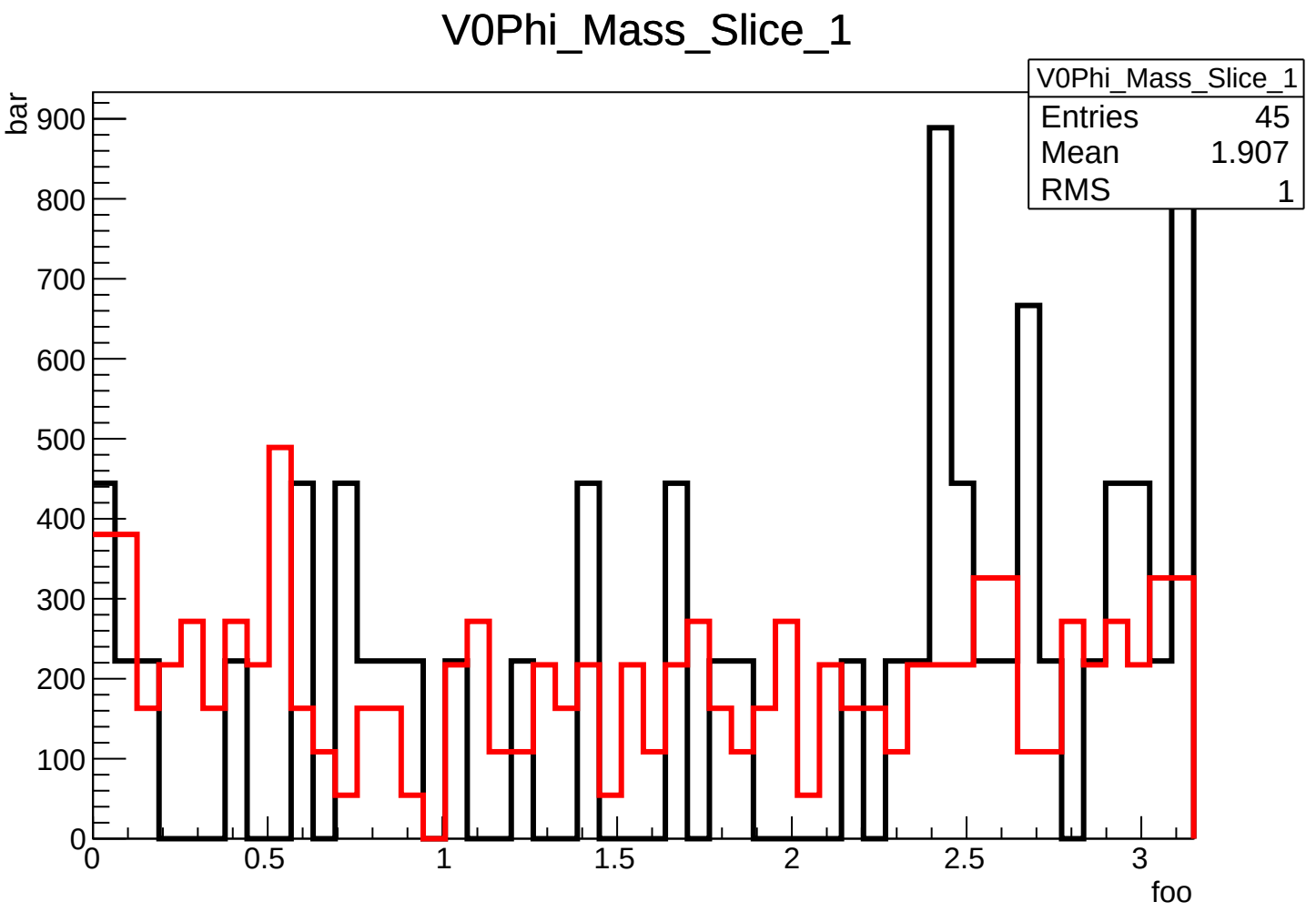

elePhi0_Mass_Slice_1
elePhi0_Mass_Slice_1
Entries 45
Mean 0.0278
RMS 0.008603
bar
foo
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

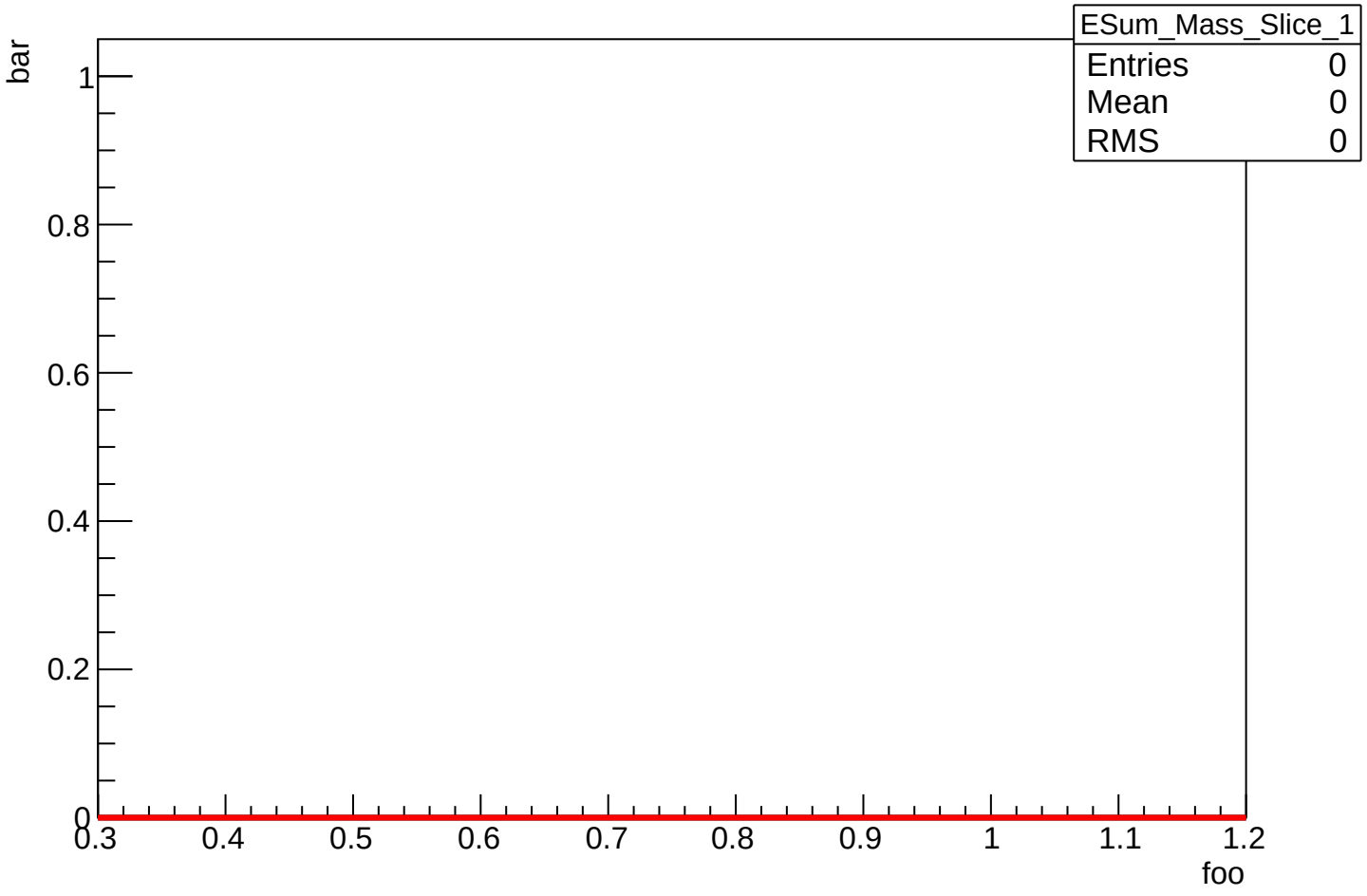

posPhi0_Mass_Slice_1
posPhi0_Mass_Slice_1
Entries 45
Mean 0.0278
RMS 0.008603
bar
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

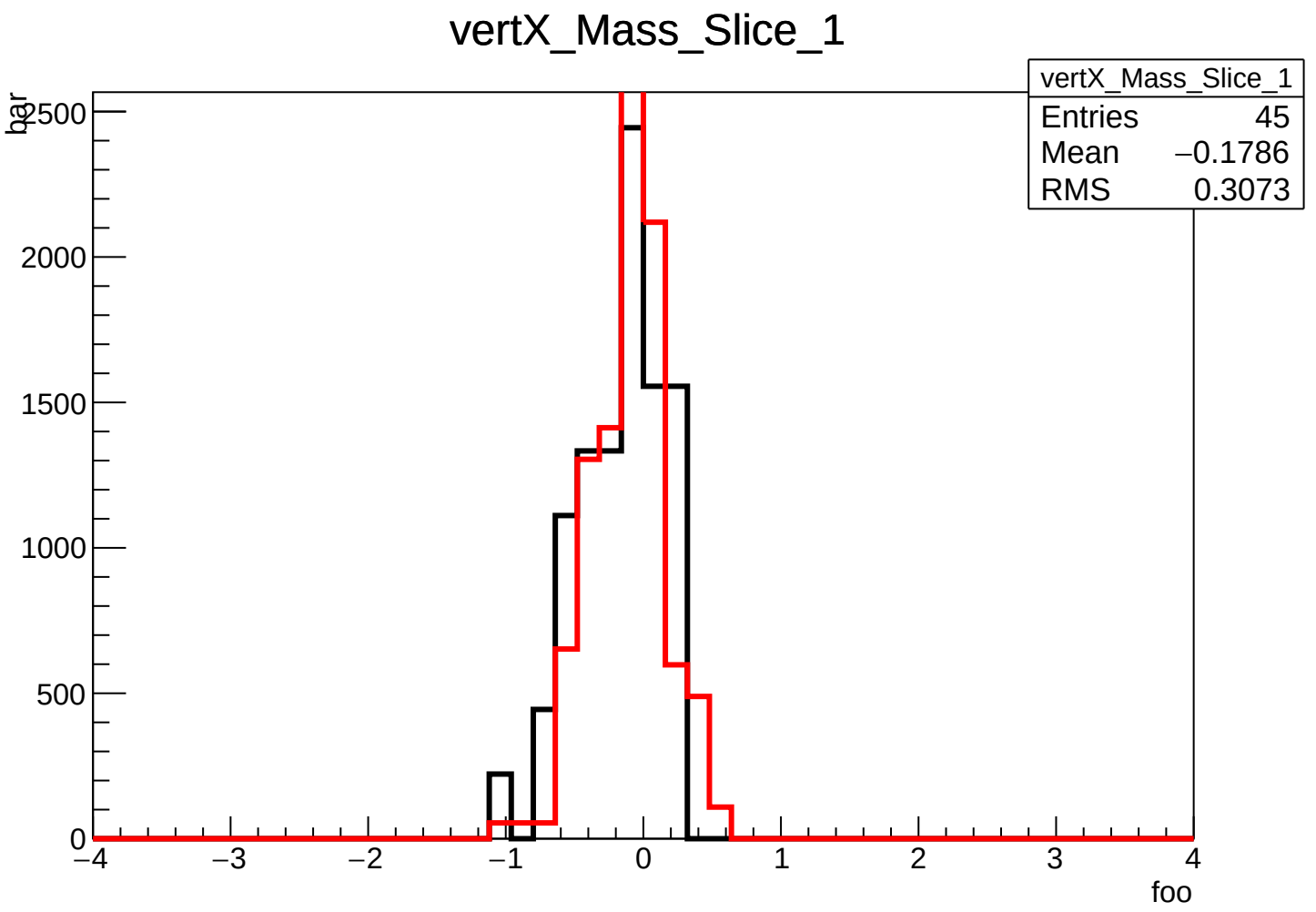

Coplanarity_Mass_Slice_1
Coplanarity_Mass_Slice_1
Entries 45
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

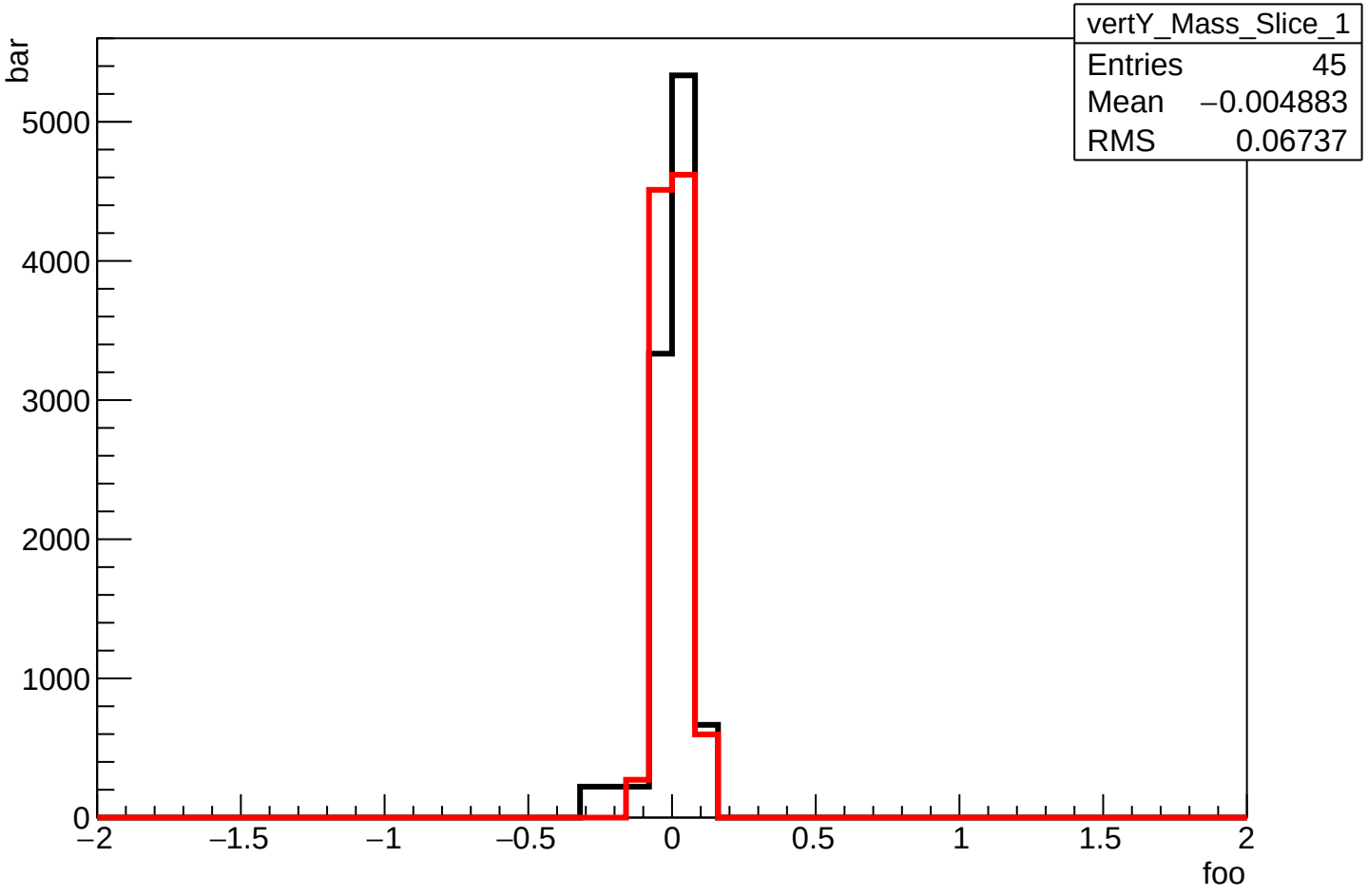

Ediff_Mass_Slice_1
Ediff_Mass_Slice_1
Entries 45
Mean −0.04291
RMS 0.1839
bar
foo
0
200
400
600
800
1000
1200
1400
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8

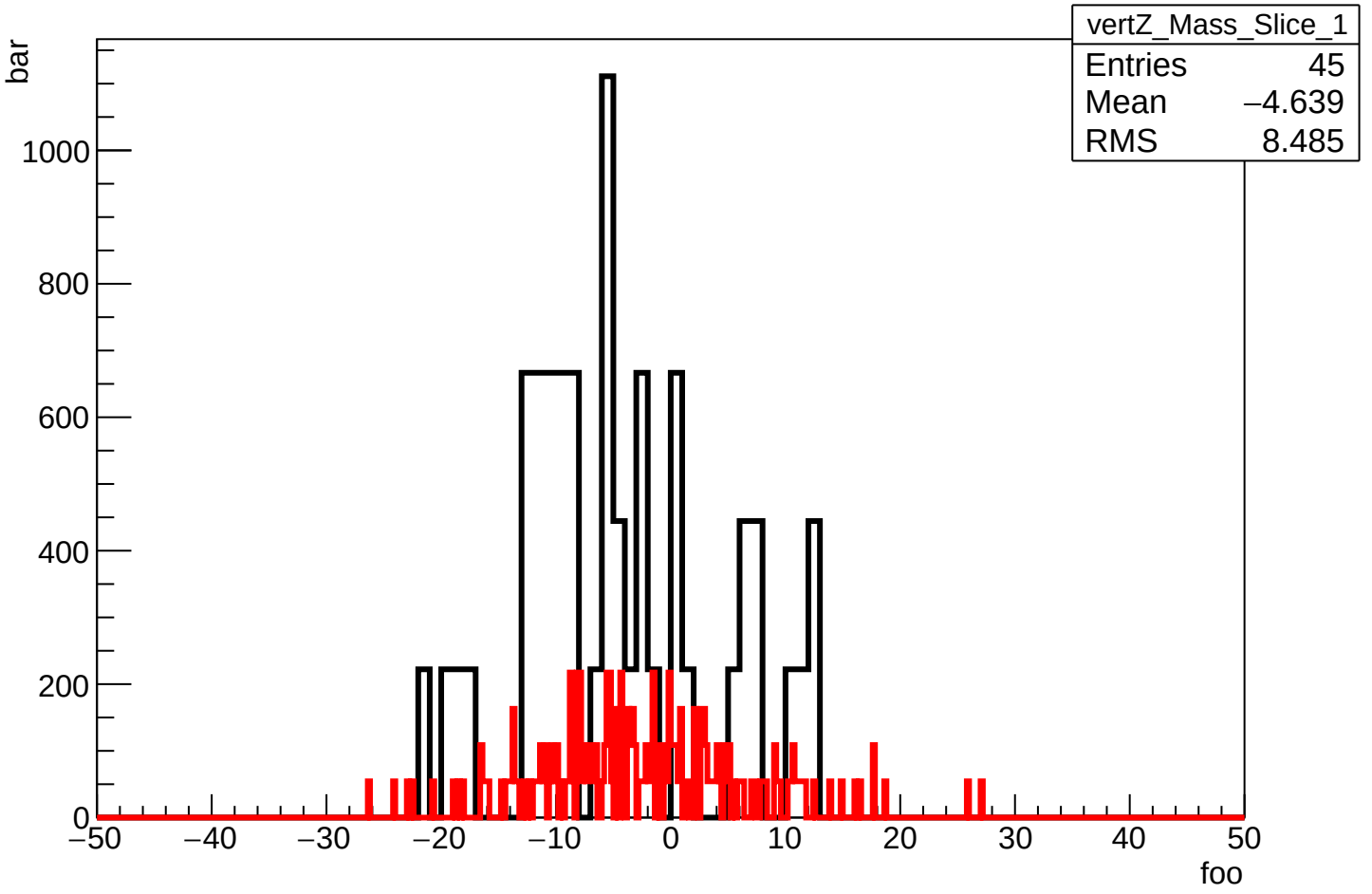

V0PolarAngle_Mass_Slice_1
V0PolarAngle_Mass_Slice_1
Entries 45
Mean 0.006923
RMS 0.004787
bar
foo
0
200
400
600
800
1000
1200
1400
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

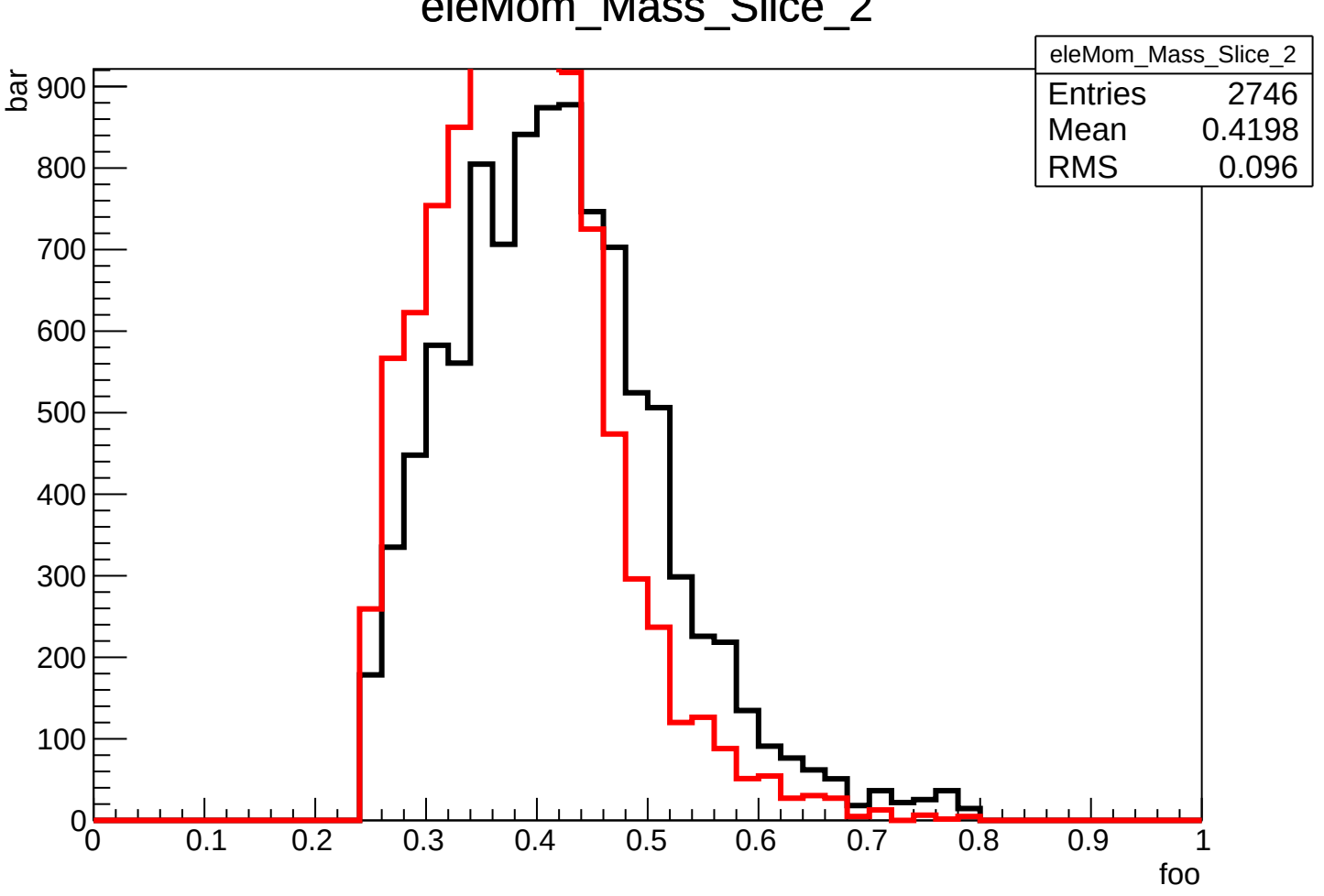

V0Phi_Mass_Slice_1
V0Phi_Mass_Slice_1
Entries 45
Mean 1.907
RMS 1
bar
foo
0
100
200
300
400
500
600
700
800
900
0
0.5
1
1.5
2
2.5
3

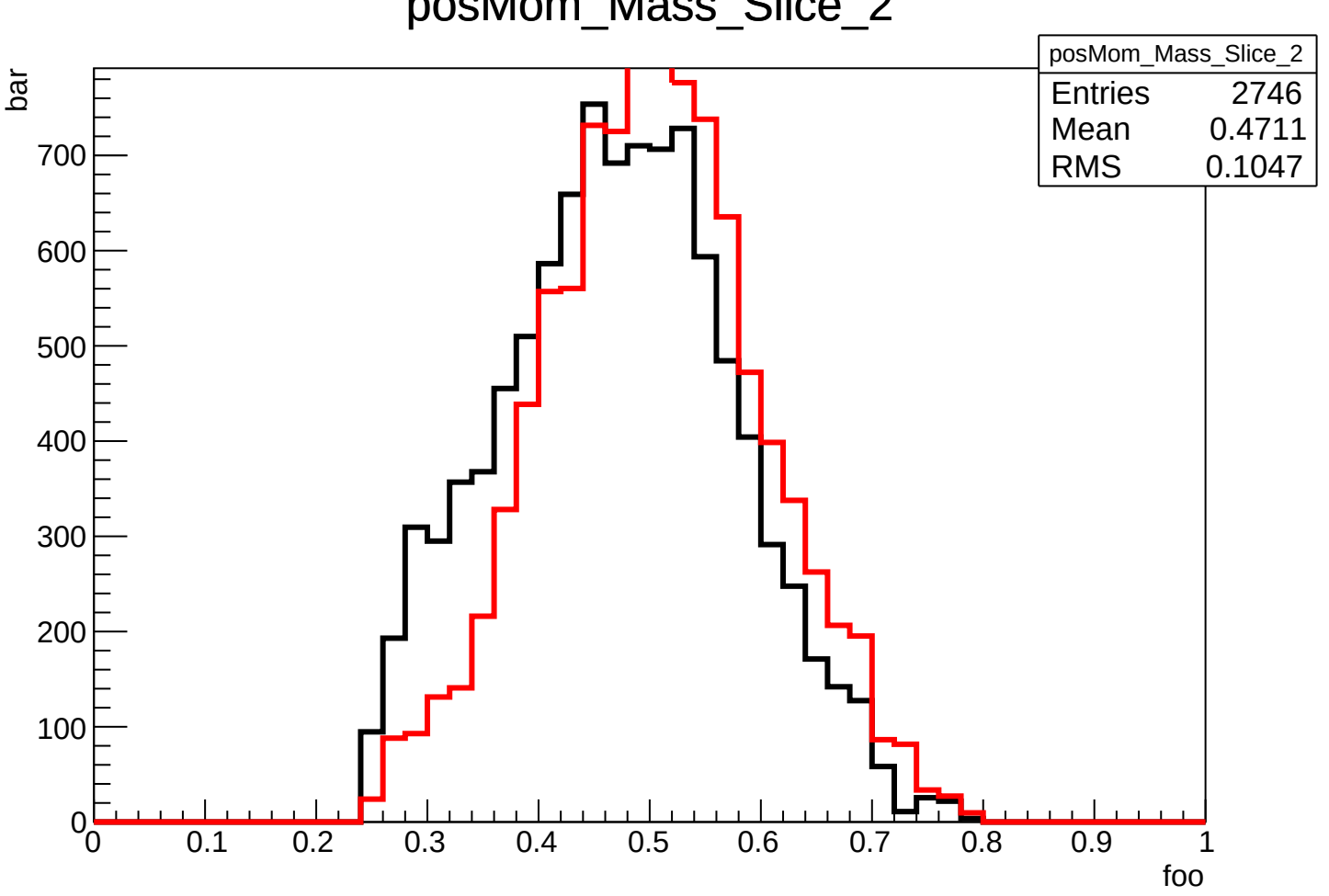

ESum_Mass_Slice_1
ESum_Mass_Slice_1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

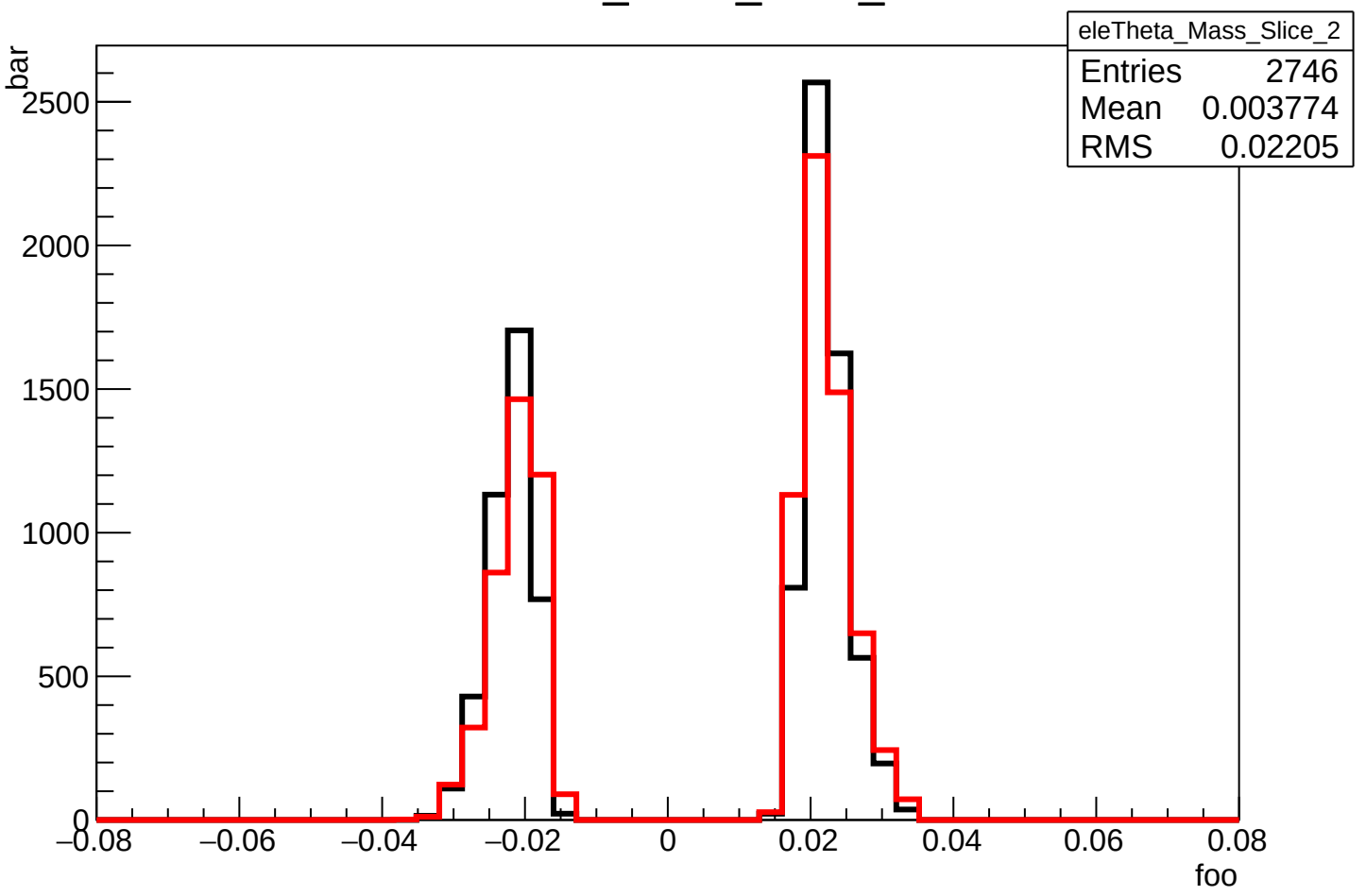

vertX_Mass_Slice_1
vertX_Mass_Slice_1
Entries 45
Mean −0.1786
RMS 0.3073
bar
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

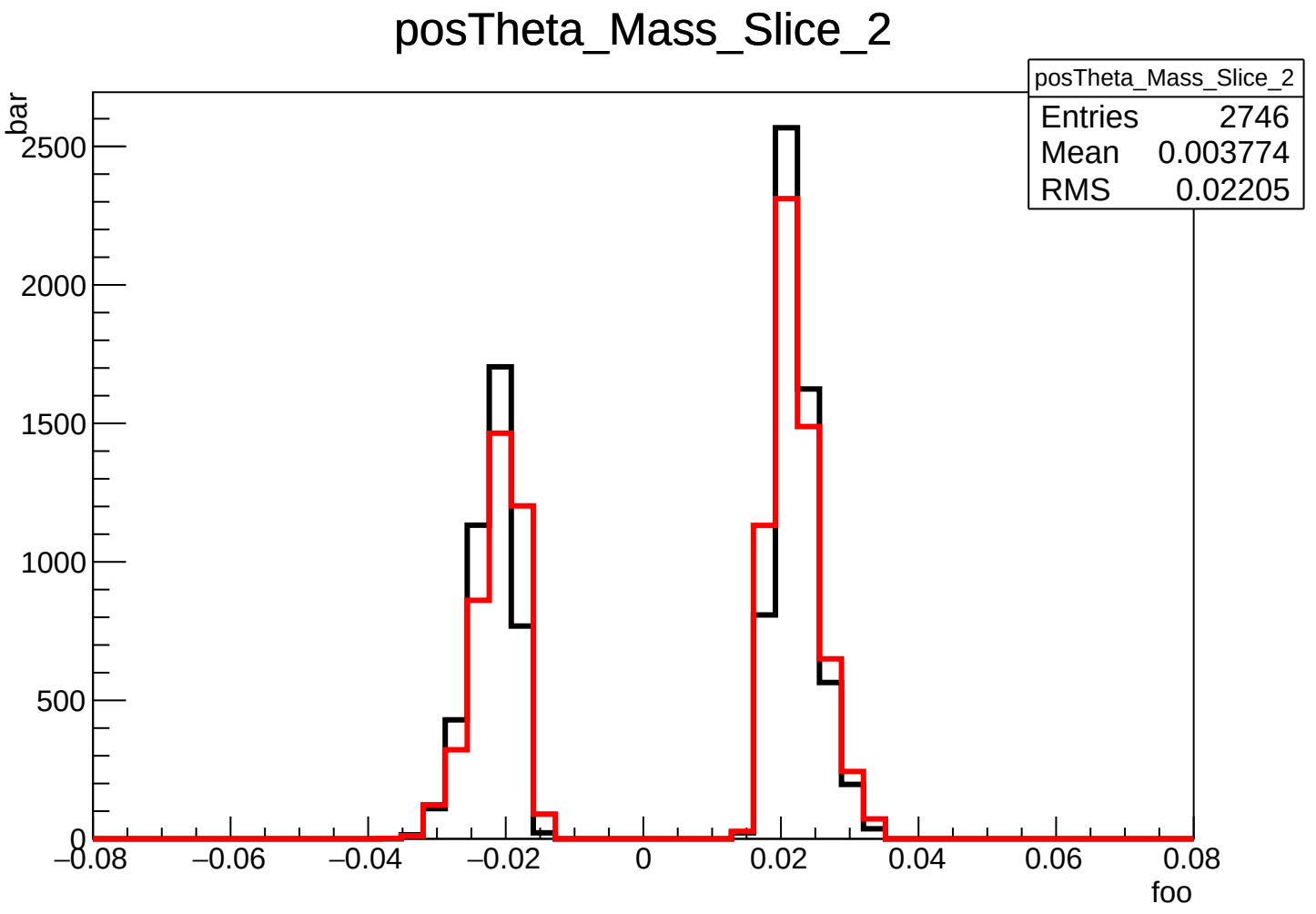

vertY_Mass_Slice_1
vertY_Mass_Slice_1
Entries 45
Mean −0.004883
RMS 0.06737
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

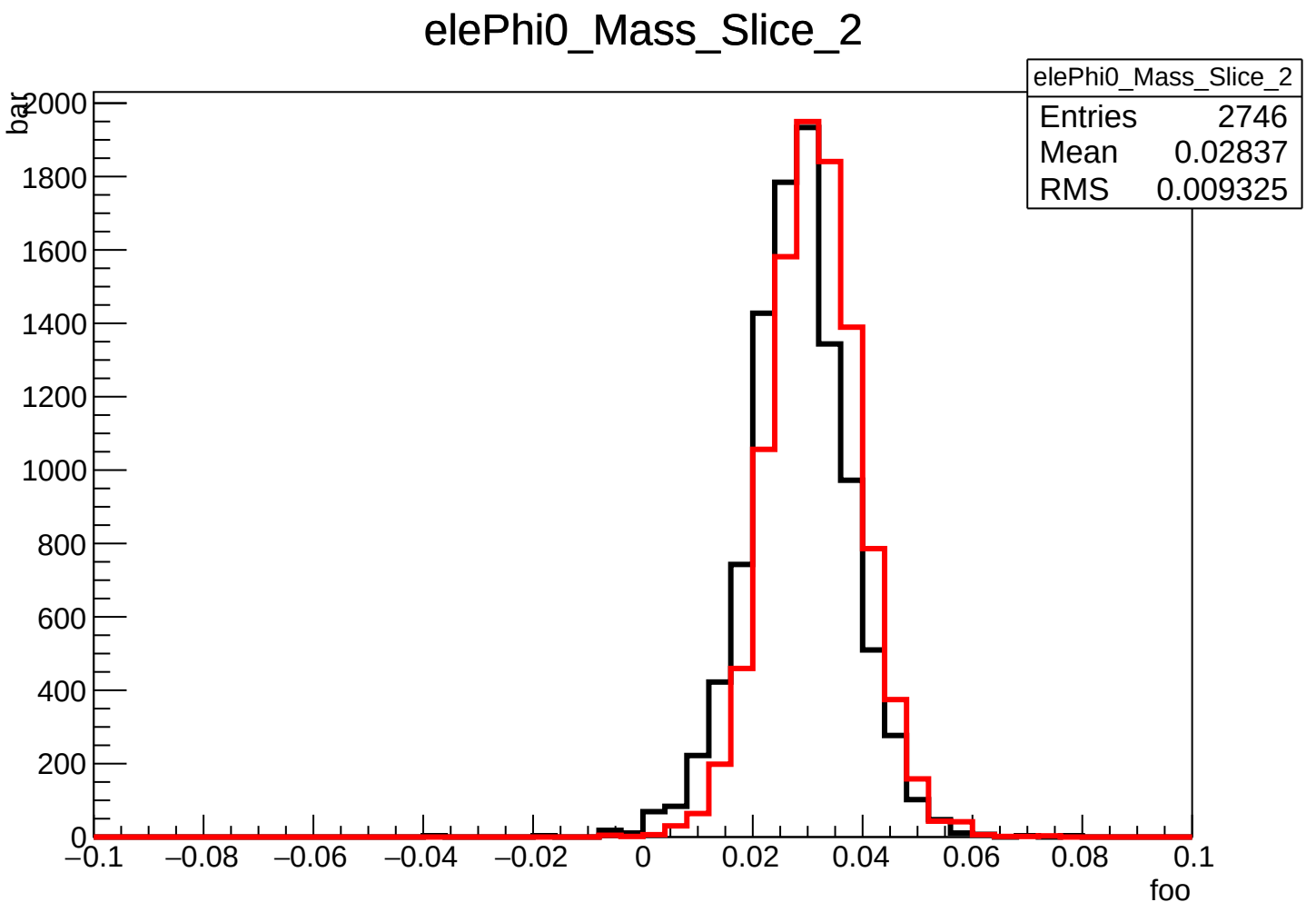

vertZ_Mass_Slice_1
vertZ_Mass_Slice_1
Entries 45
Mean −4.639
RMS 8.485
bar
1000
800
600
400
200
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

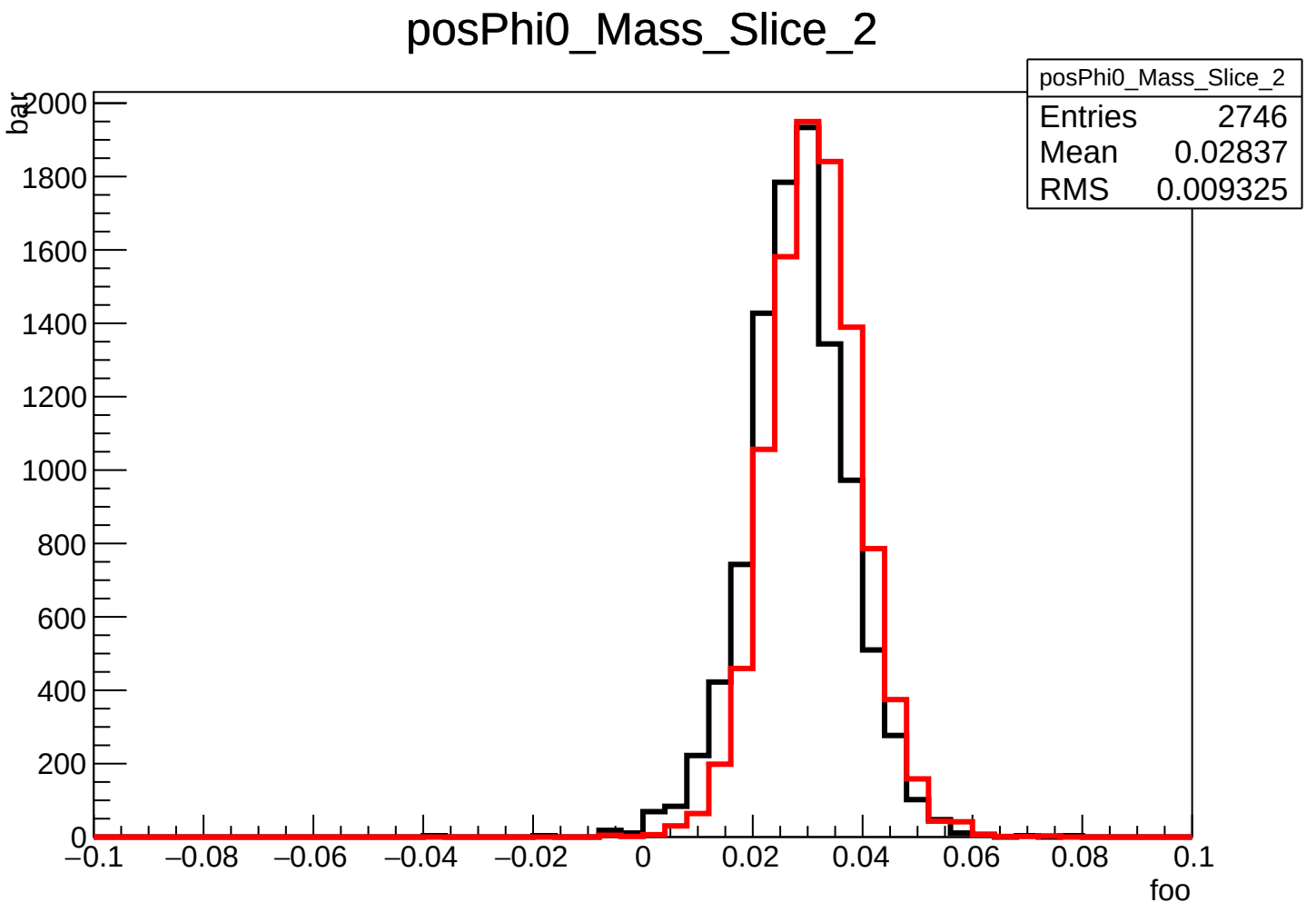

eleMom_Mass_Slice_2
eleMom_Mass_Slice_2
Entries 2746
Mean 0.4198
RMS 0.096
bar
foo
0
100
200
300
400
500
600
700
800
900
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

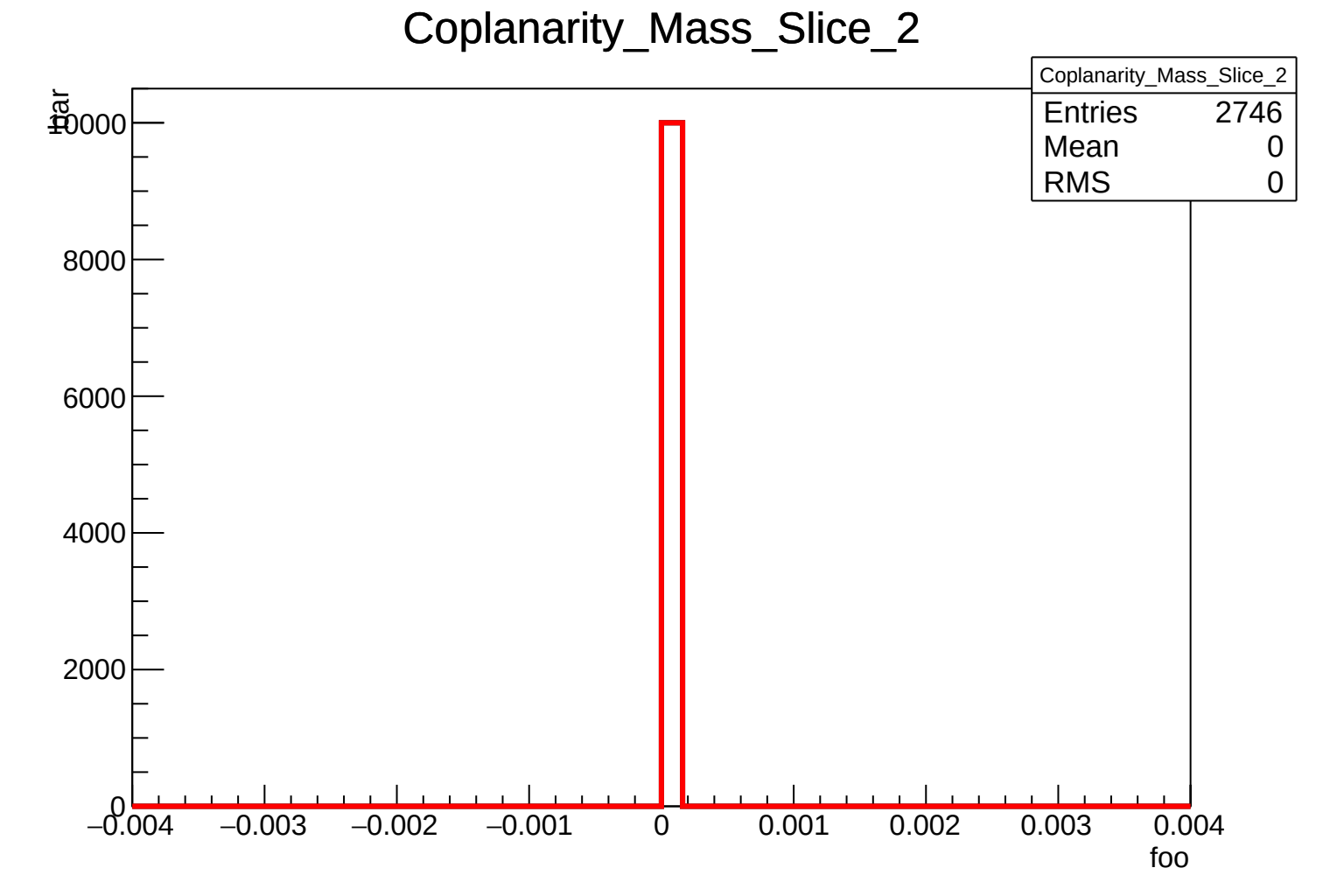

posMom_Mass_Slice_2
posMom_Mass_Slice_2
Entries 2746
Mean 0.4711
RMS 0.1047
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

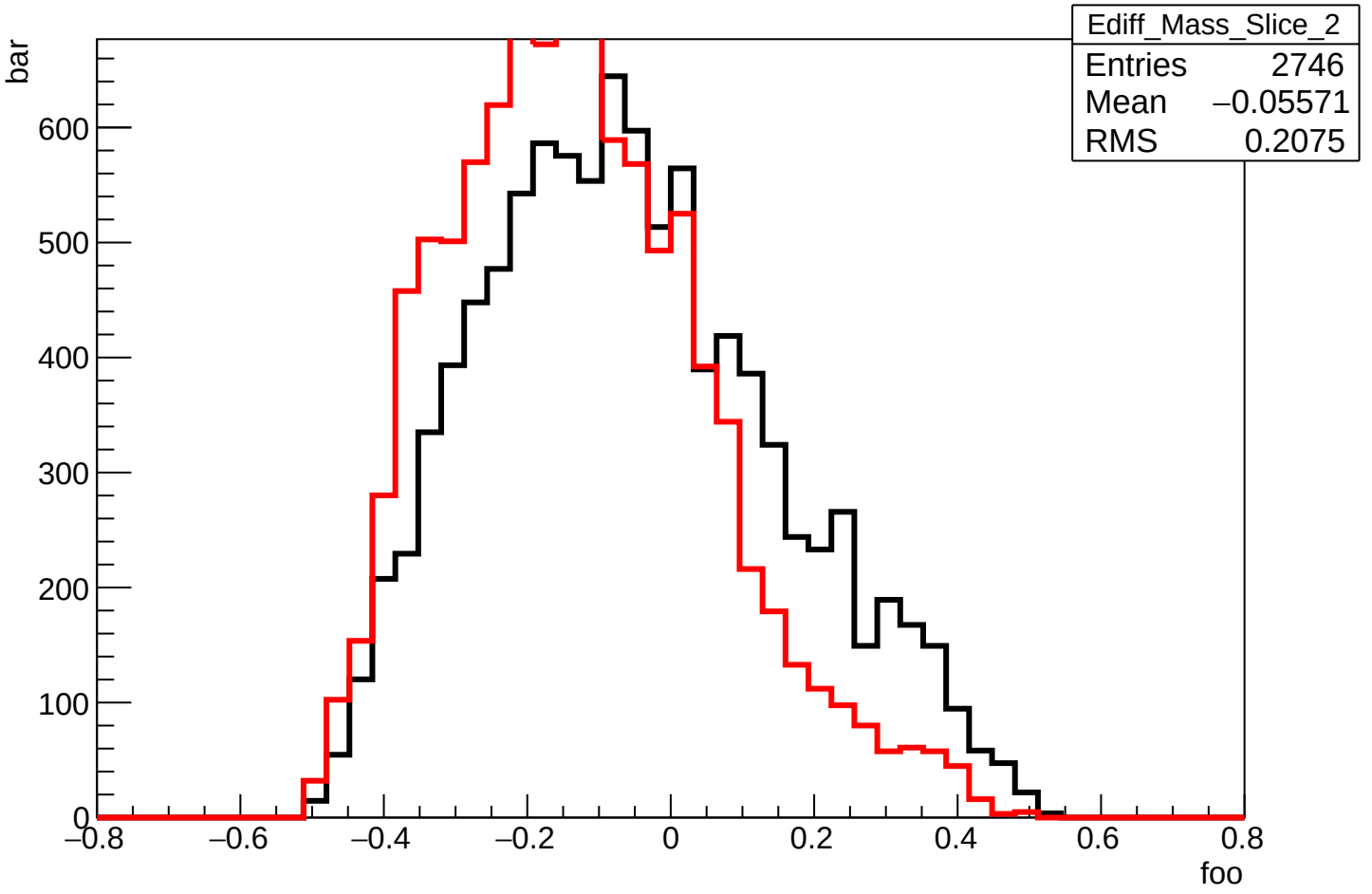

eleTheta_Mass_Slice_2
eleTheta_Mass_Slice_2
Entries 2746
Mean 0.003774
RMS 0.02205
bar
2500
2000
1500
1000
500
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

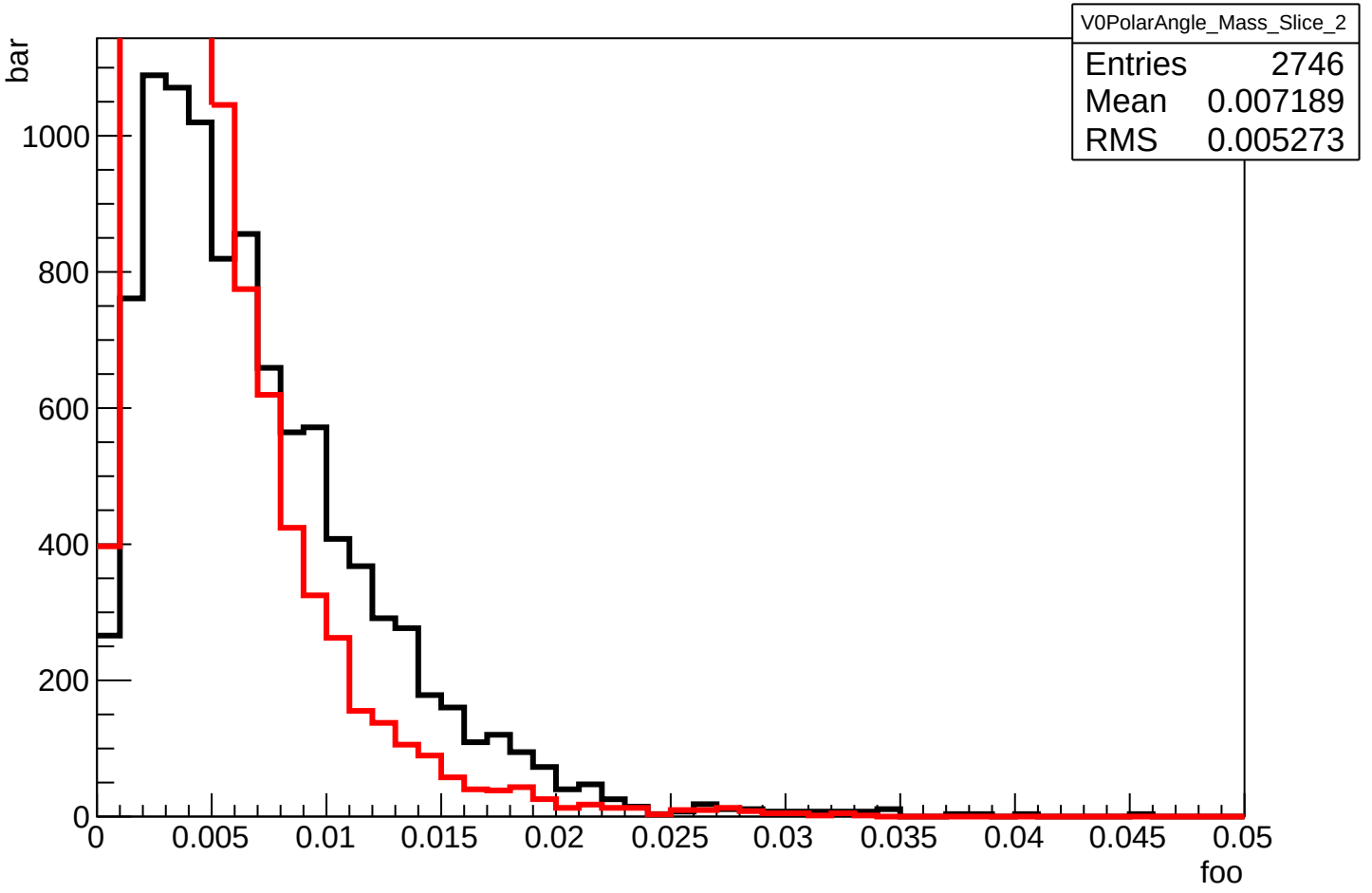

posTheta_Mass_Slice_2
posTheta_Mass_Slice_2
Entries 2746
Mean 0.003774
RMS 0.02205
bar
2500
2000
1500
1000
500
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

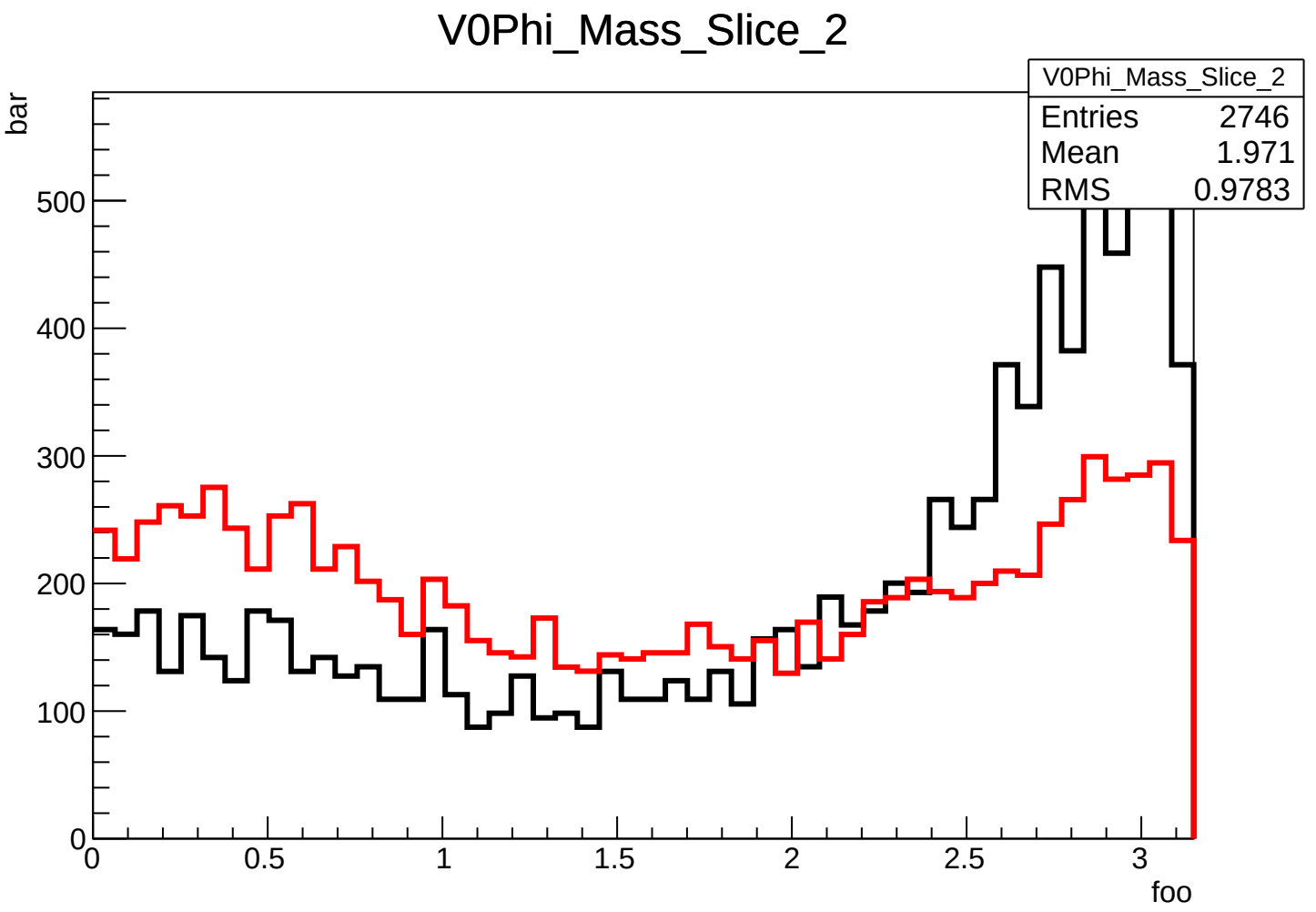

elePhi0_Mass_Slice_2
elePhi0_Mass_Slice_2
Entries 2746
Mean 0.02837
RMS 0.009325
bar
foo
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

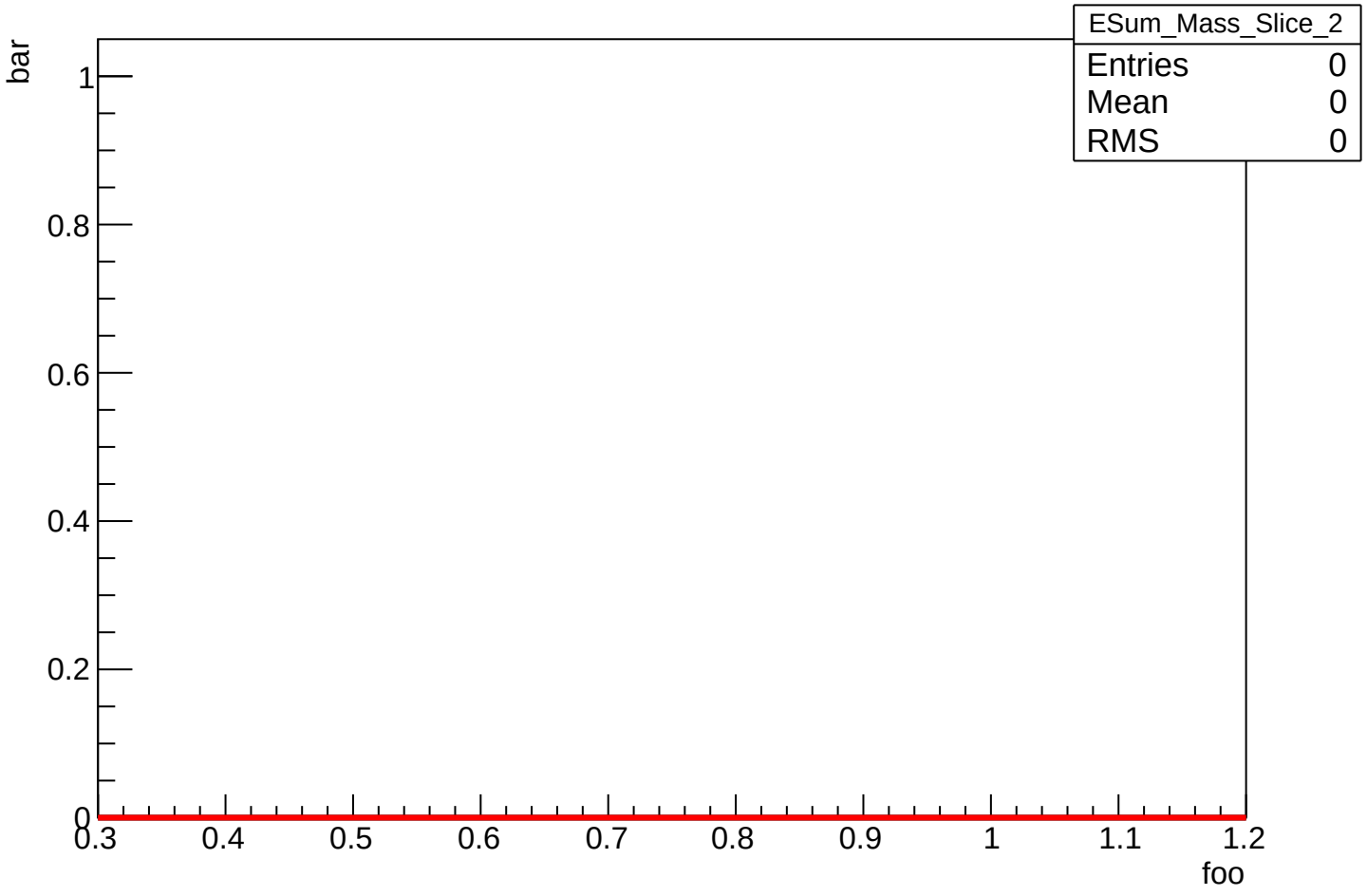

posPhi0_Mass_Slice_2
posPhi0_Mass_Slice_2
Entries 2746
Mean 0.02837
RMS 0.009325
bar
foo
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

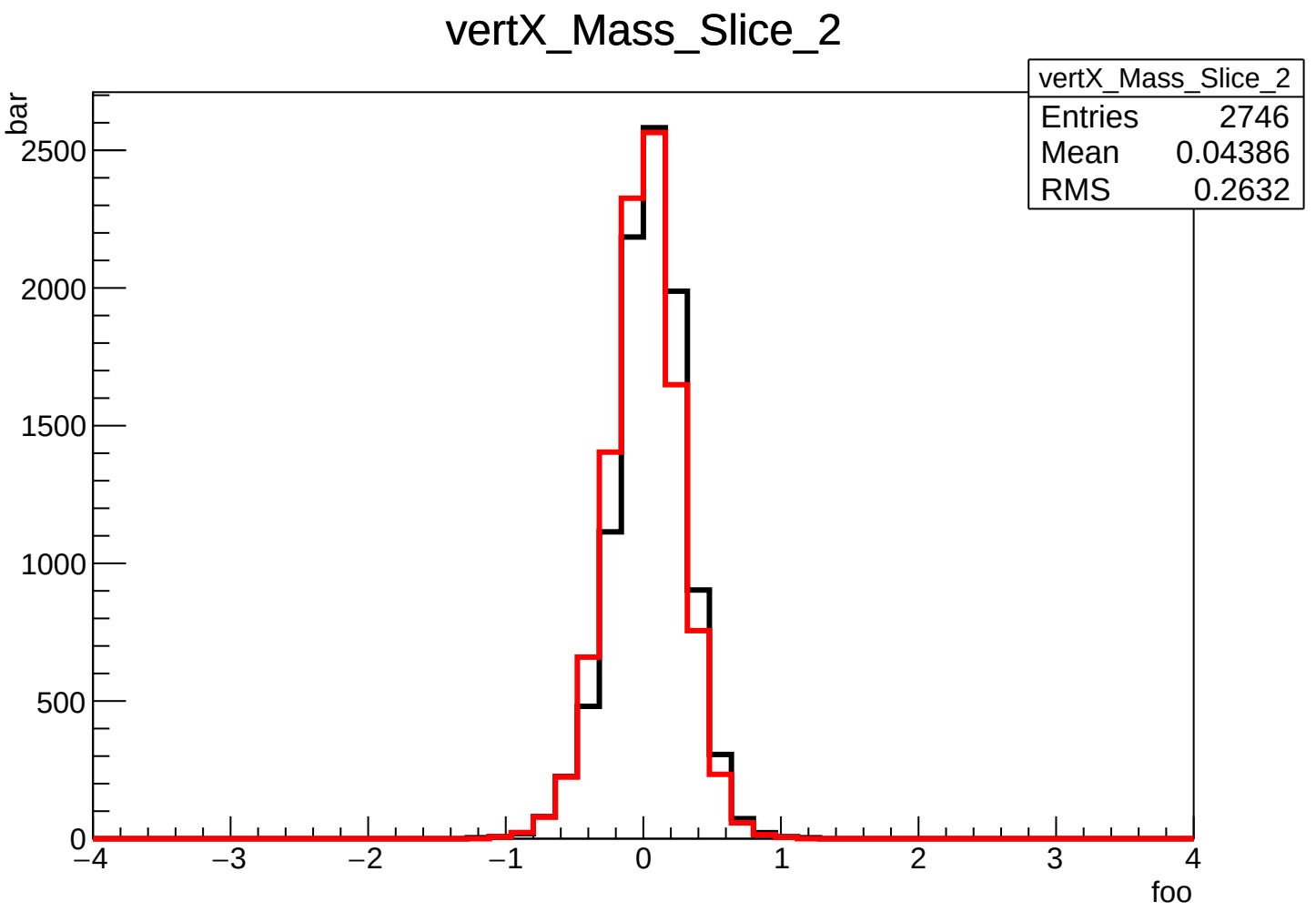

Coplanarity_Mass_Slice_2
Coplanarity_Mass_Slice_2
Entries 2746
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

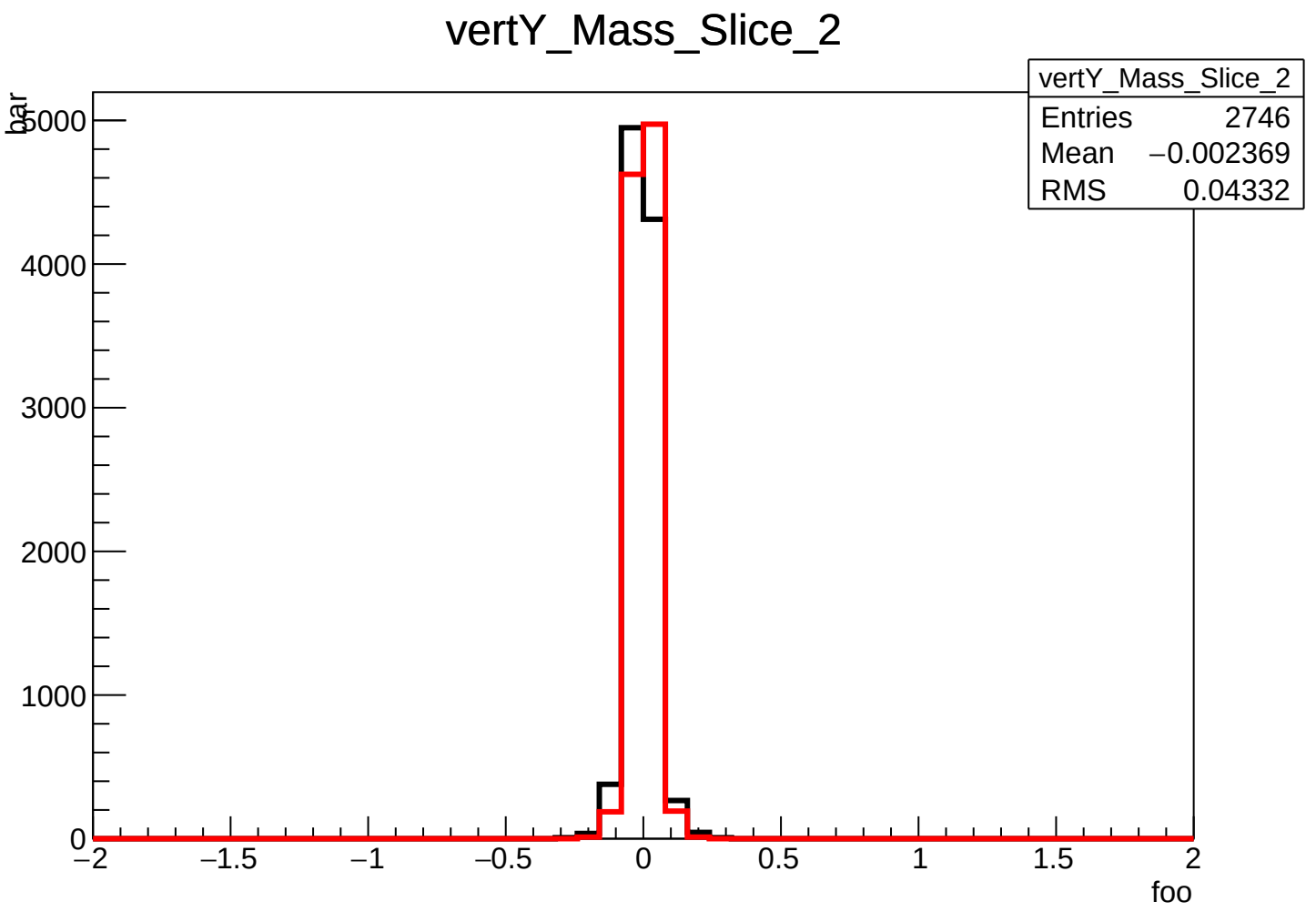

Ediff_Mass_Slice_2
Ediff_Mass_Slice_2
Entries 2746
Mean −0.05571
RMS 0.2075
bar
0
100
200
300
400
500
600
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

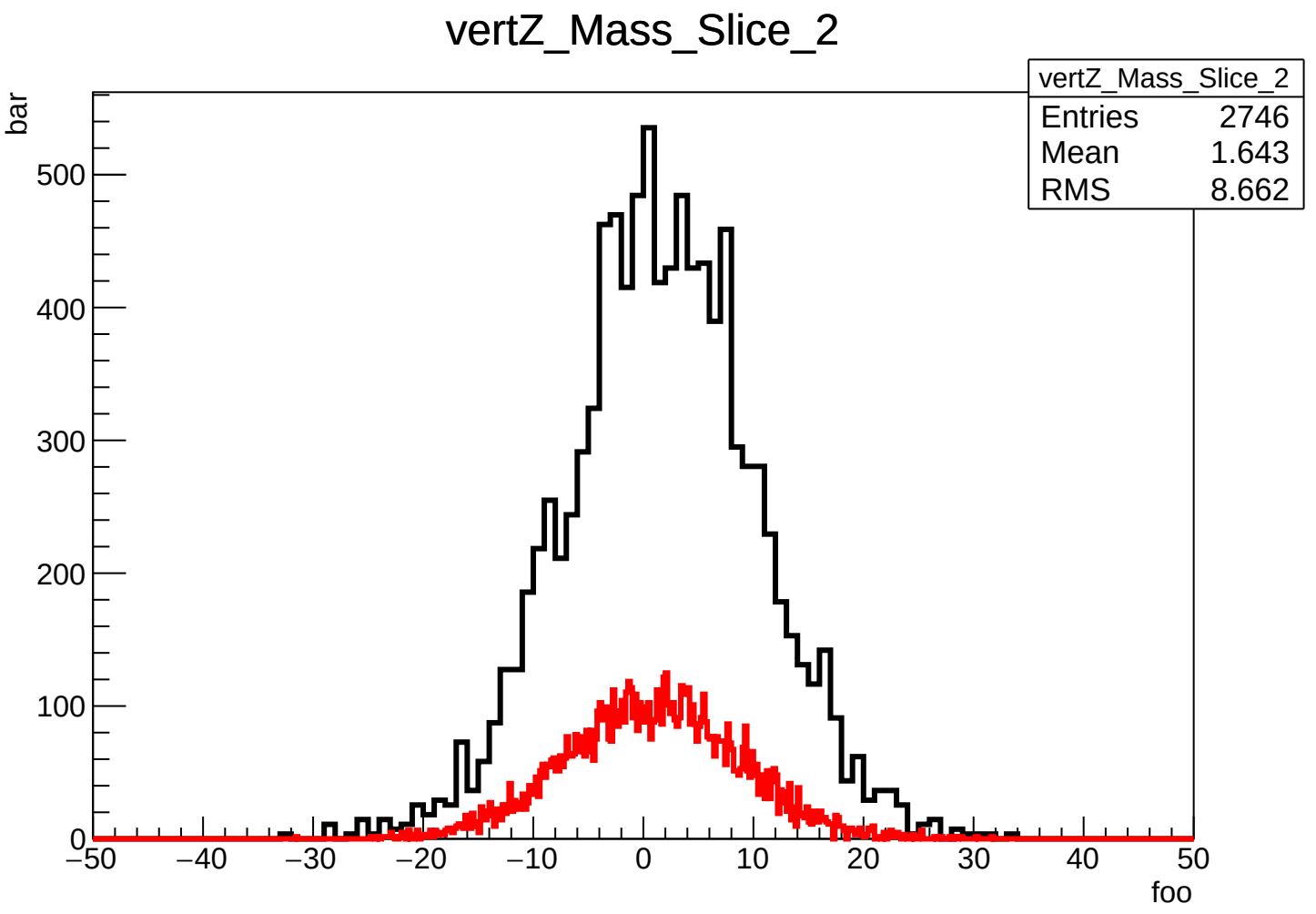

V0PolarAngle_Mass_Slice_2
V0PolarAngle_Mass_Slice_2
Entries 2746
Mean 0.007189
RMS 0.005273
bar
foo
0
200
400
600
800
1000
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

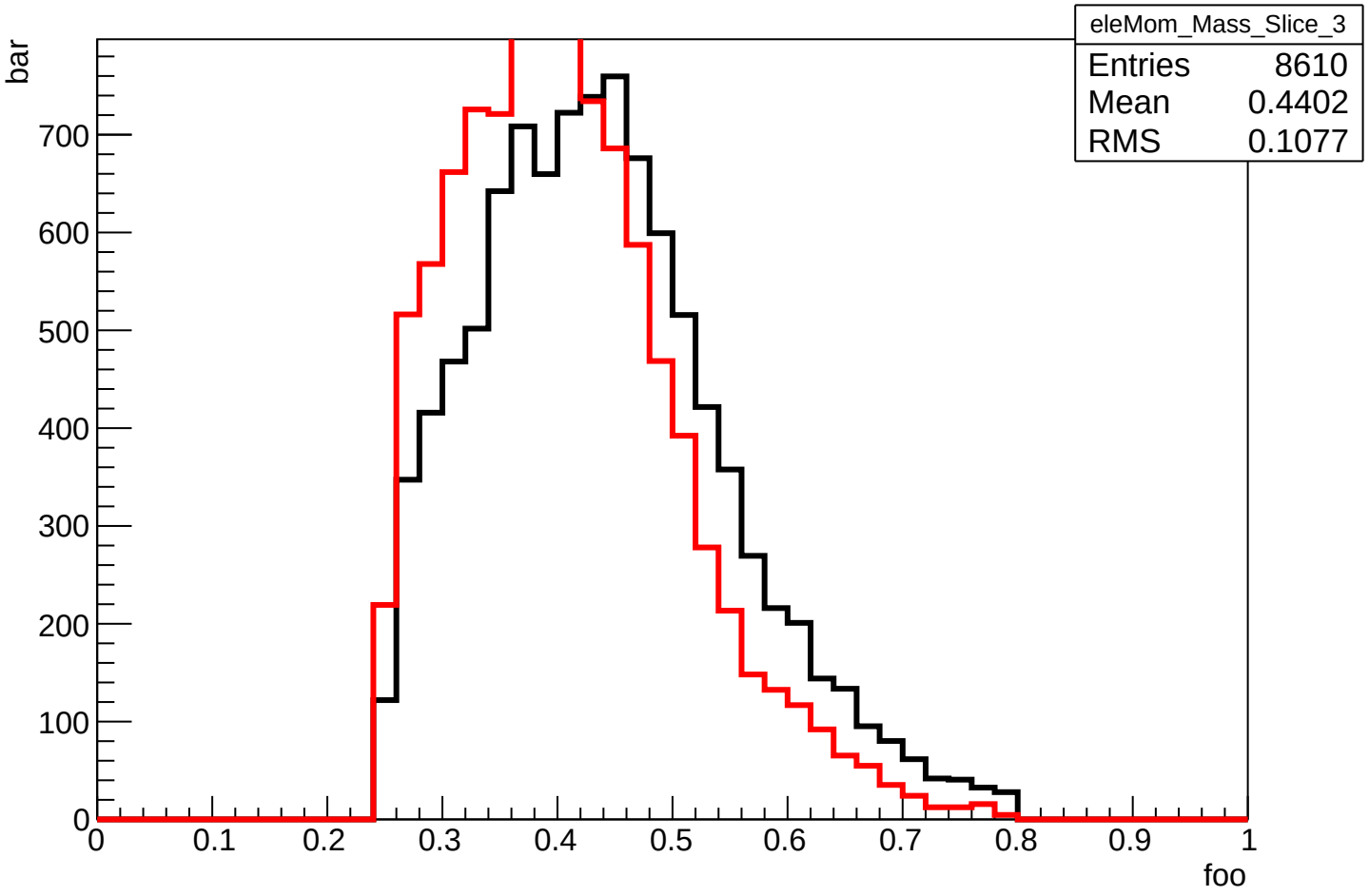

V0Phi_Mass_Slice_2
V0Phi_Mass_Slice_2
Entries 2746
Mean 1.971
RMS 0.9783
bar
foo
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3

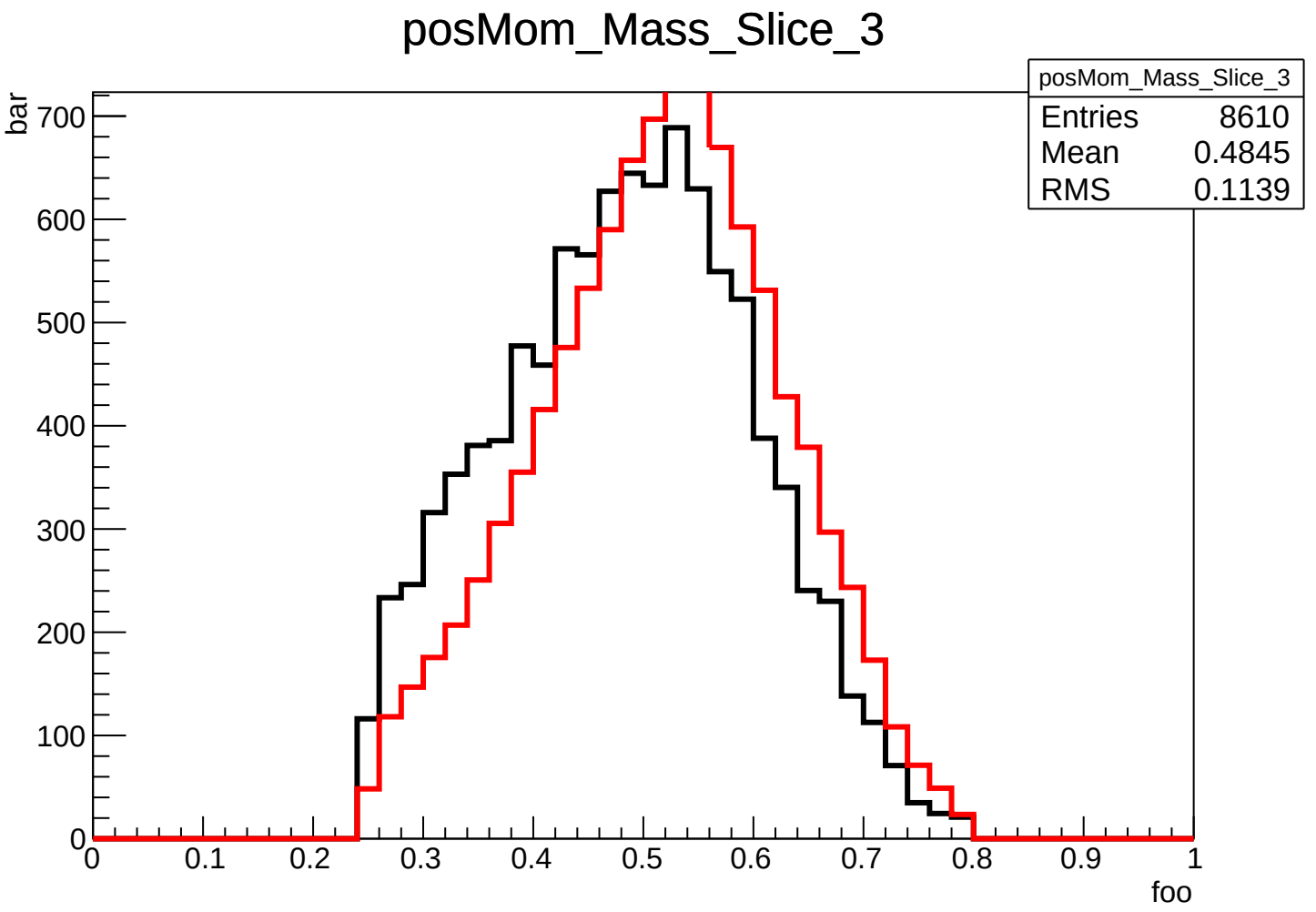

ESum_Mass_Slice_2
ESum_Mass_Slice_2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

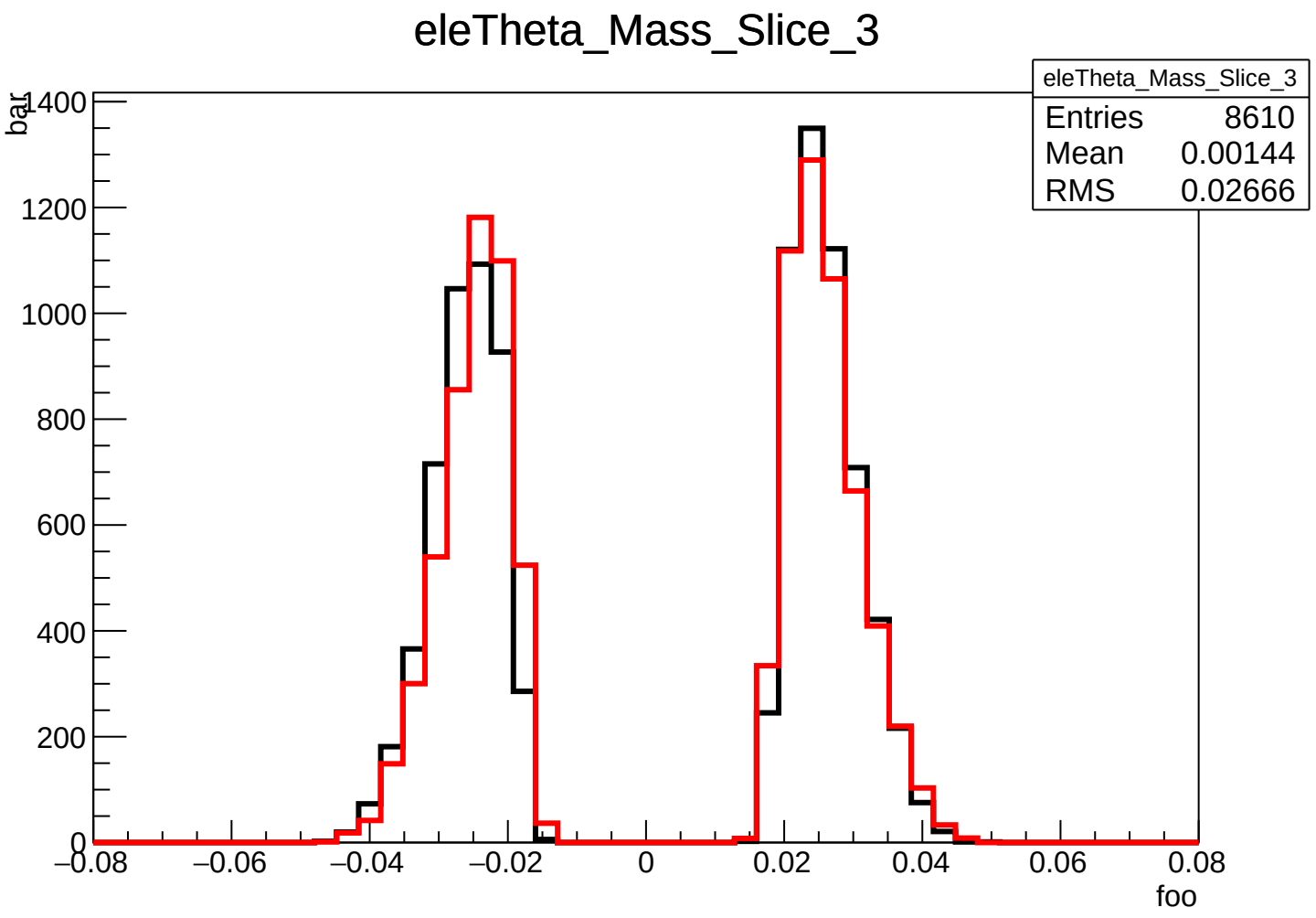

vertX_Mass_Slice_2
vertX_Mass_Slice_2
Entries 2746
Mean 0.04386
RMS 0.2632
bar
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

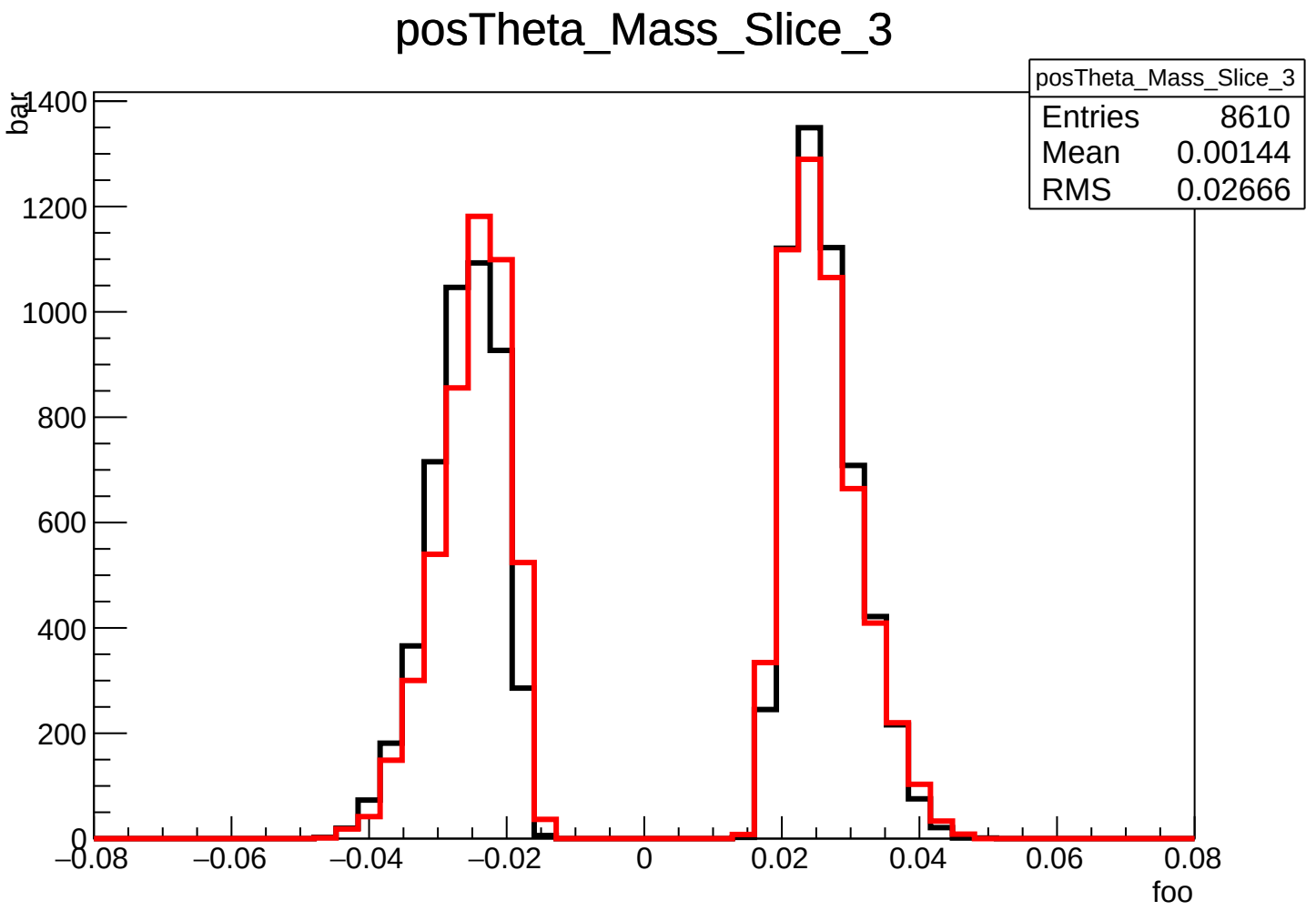

vertY_Mass_Slice_2
vertY_Mass_Slice_2
Entries 2746
Mean −0.002369
RMS 0.04332
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

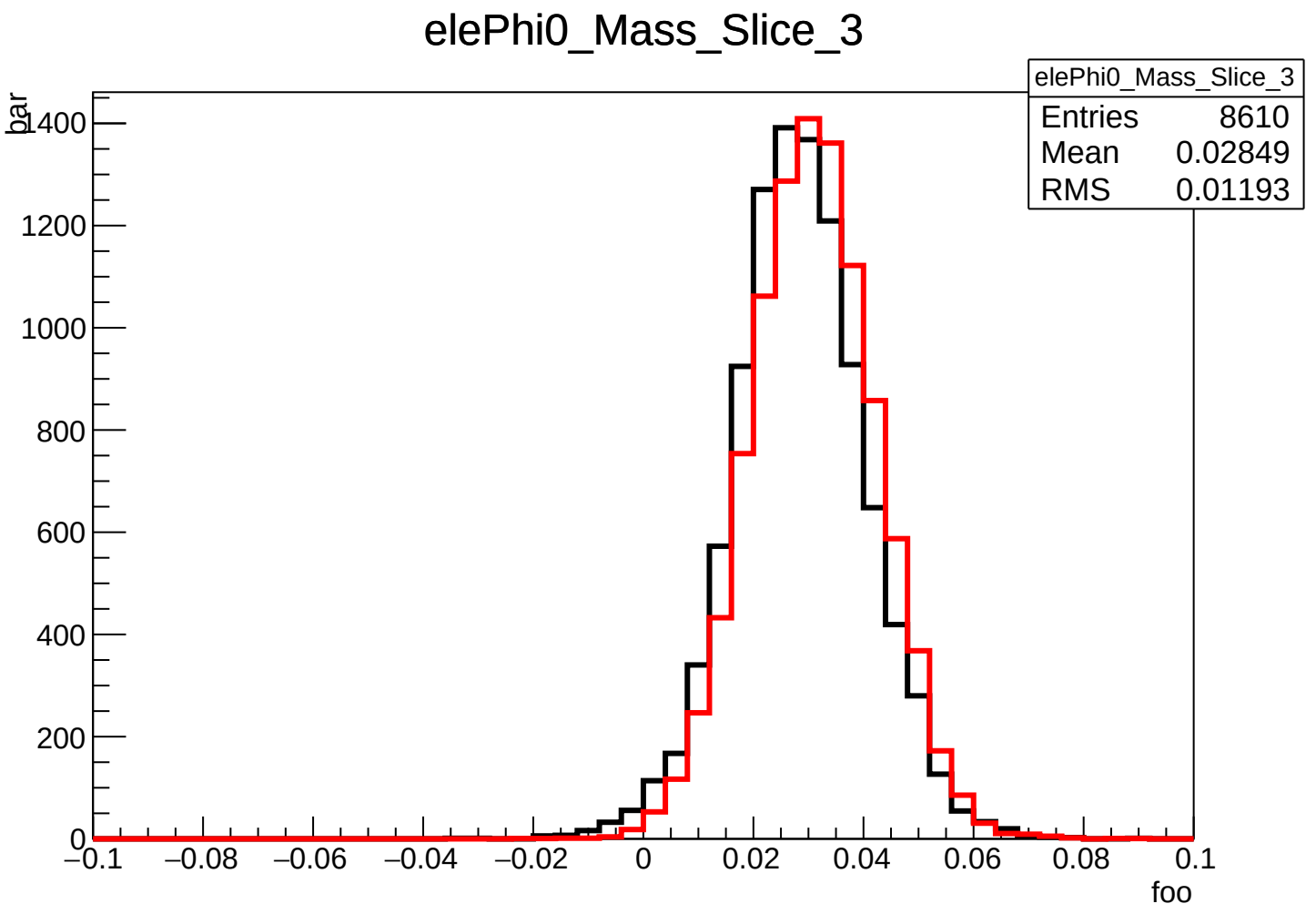

vertZ_Mass_Slice_2
vertZ_Mass_Slice_2
Entries 2746
Mean 1.643
RMS 8.662
bar
0
100
200
300
400
500
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

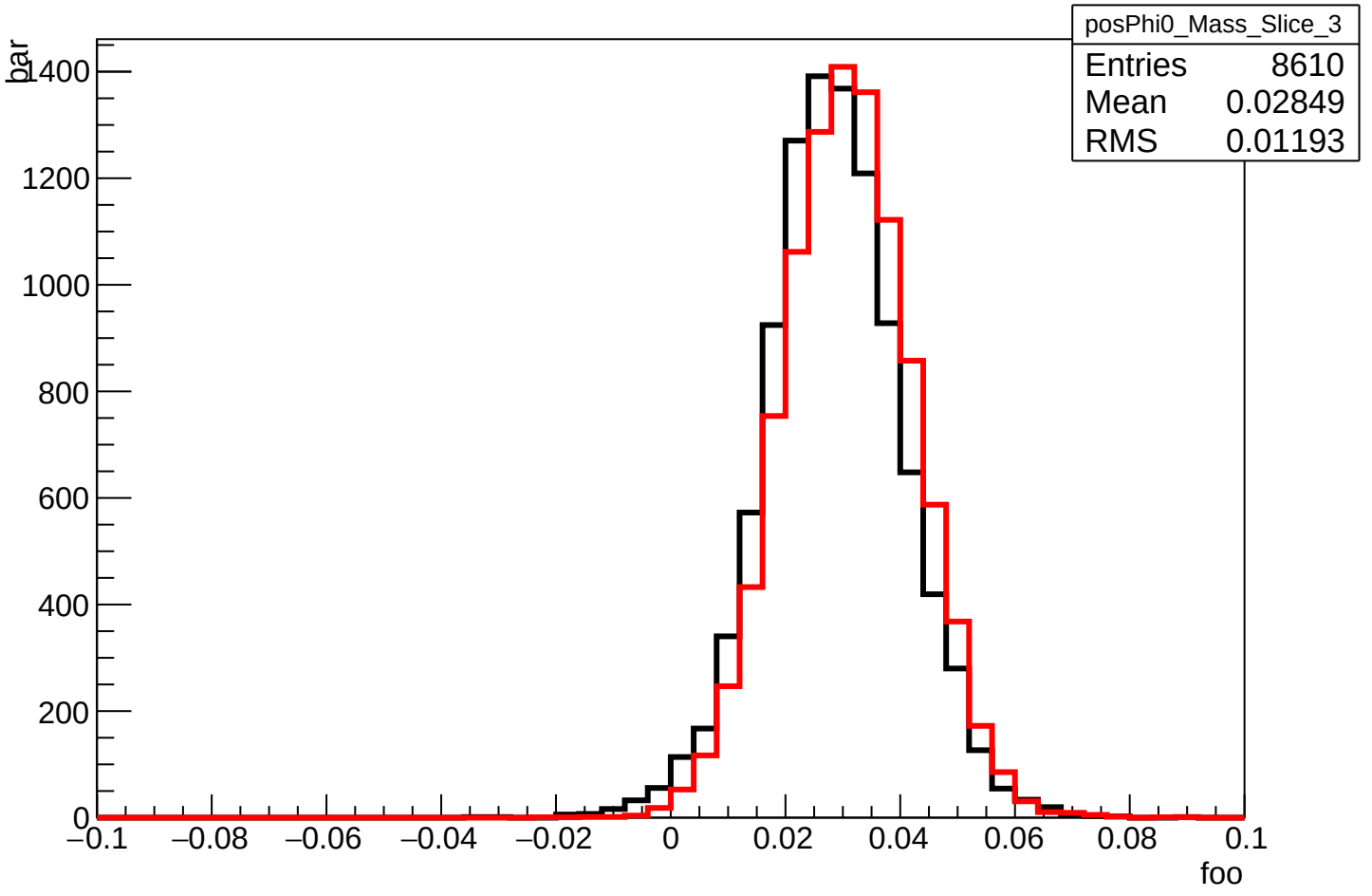

eleMom_Mass_Slice_3
eleMom_Mass_Slice_3
Entries 8610
Mean 0.4402
RMS 0.1077
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

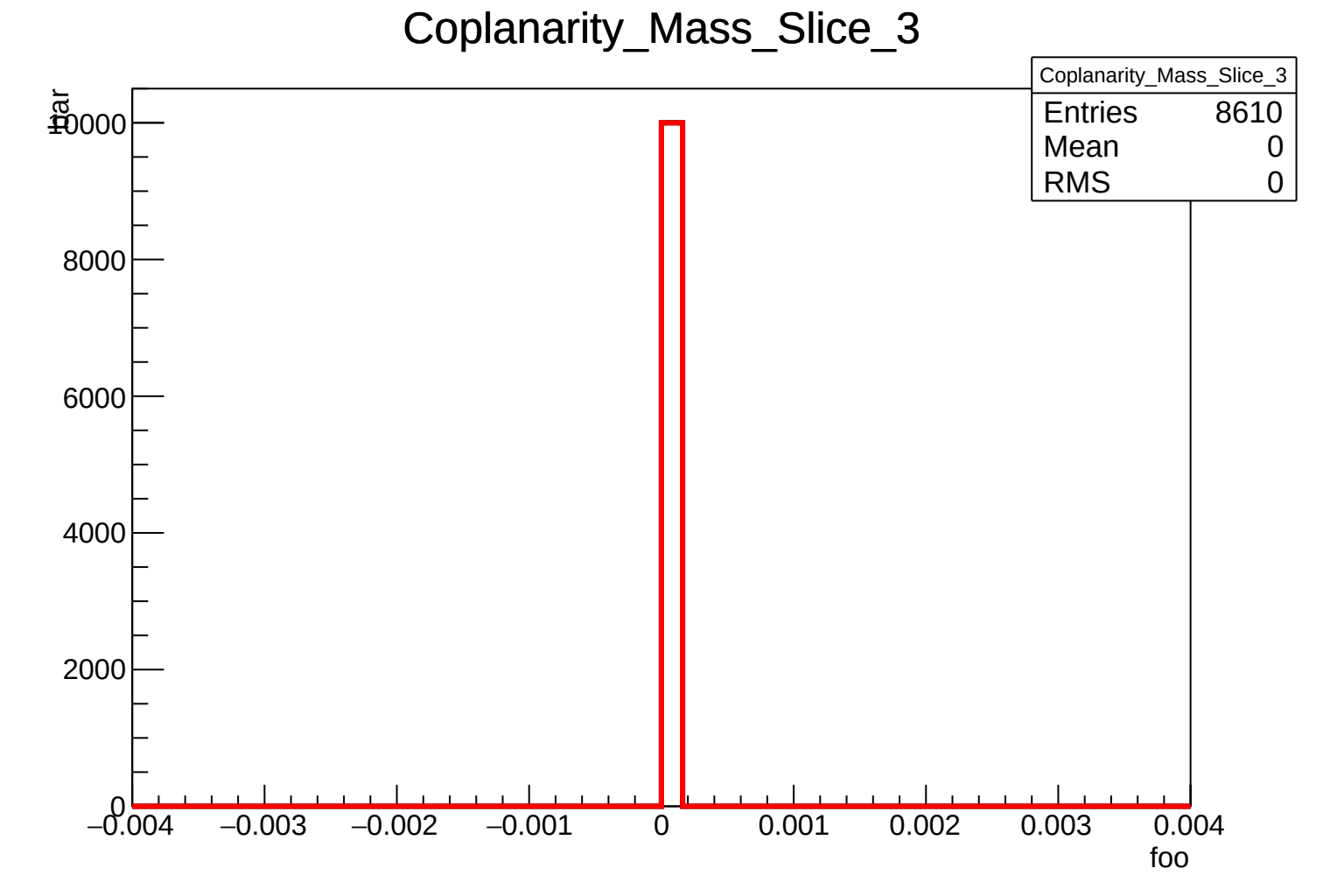

posMom_Mass_Slice_3
posMom_Mass_Slice_3
Entries 8610
Mean 0.4845
RMS 0.1139
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

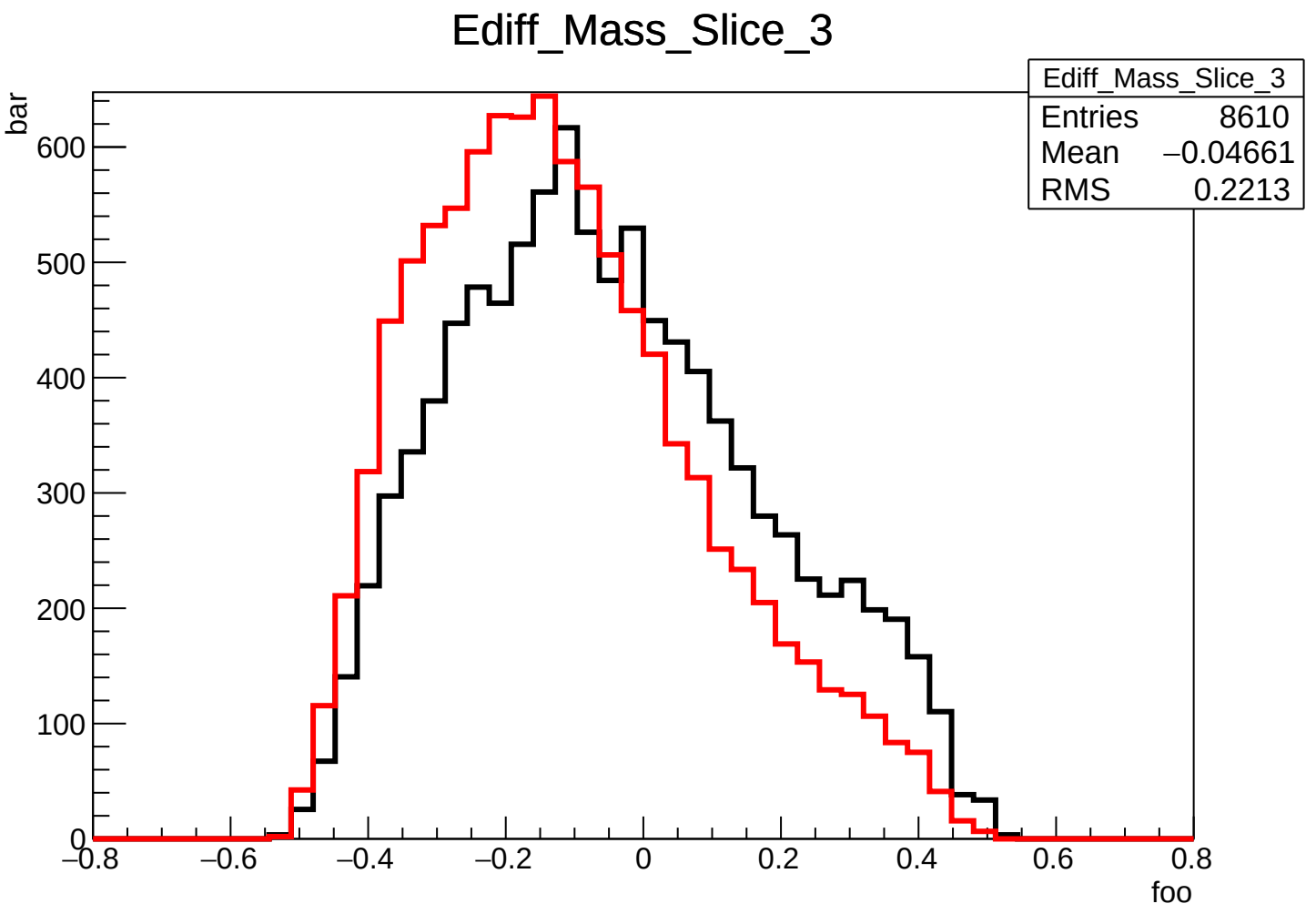

eleTheta_Mass_Slice_3
eleTheta_Mass_Slice_3
Entries 8610
Mean 0.00144
RMS 0.02666
bar
1400
1200
1000
800
600
400
200
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

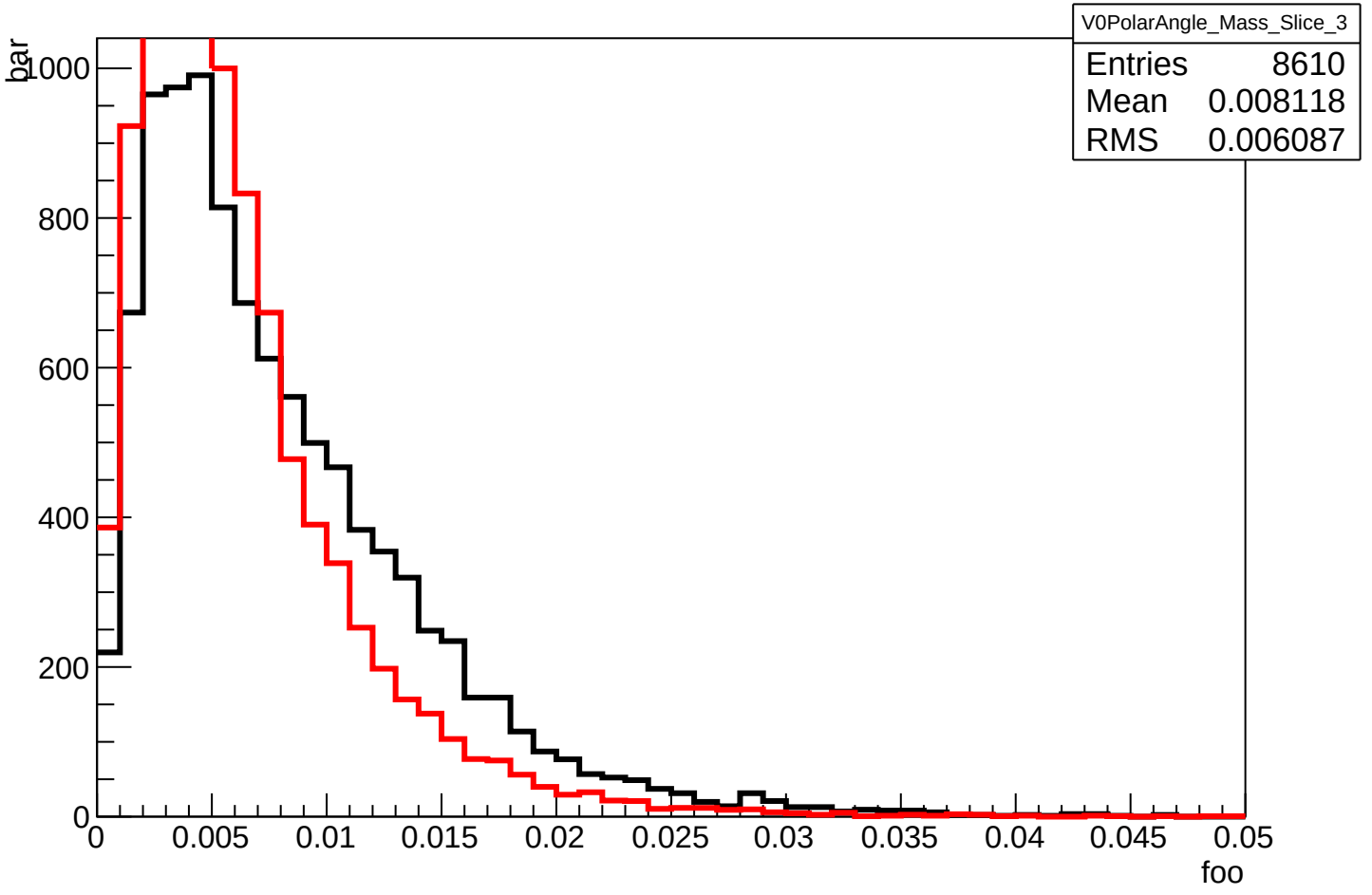

posTheta_Mass_Slice_3
posTheta_Mass_Slice_3
Entries 8610
Mean 0.00144
RMS 0.02666
bar
1400
1200
1000
800
600
400
200
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

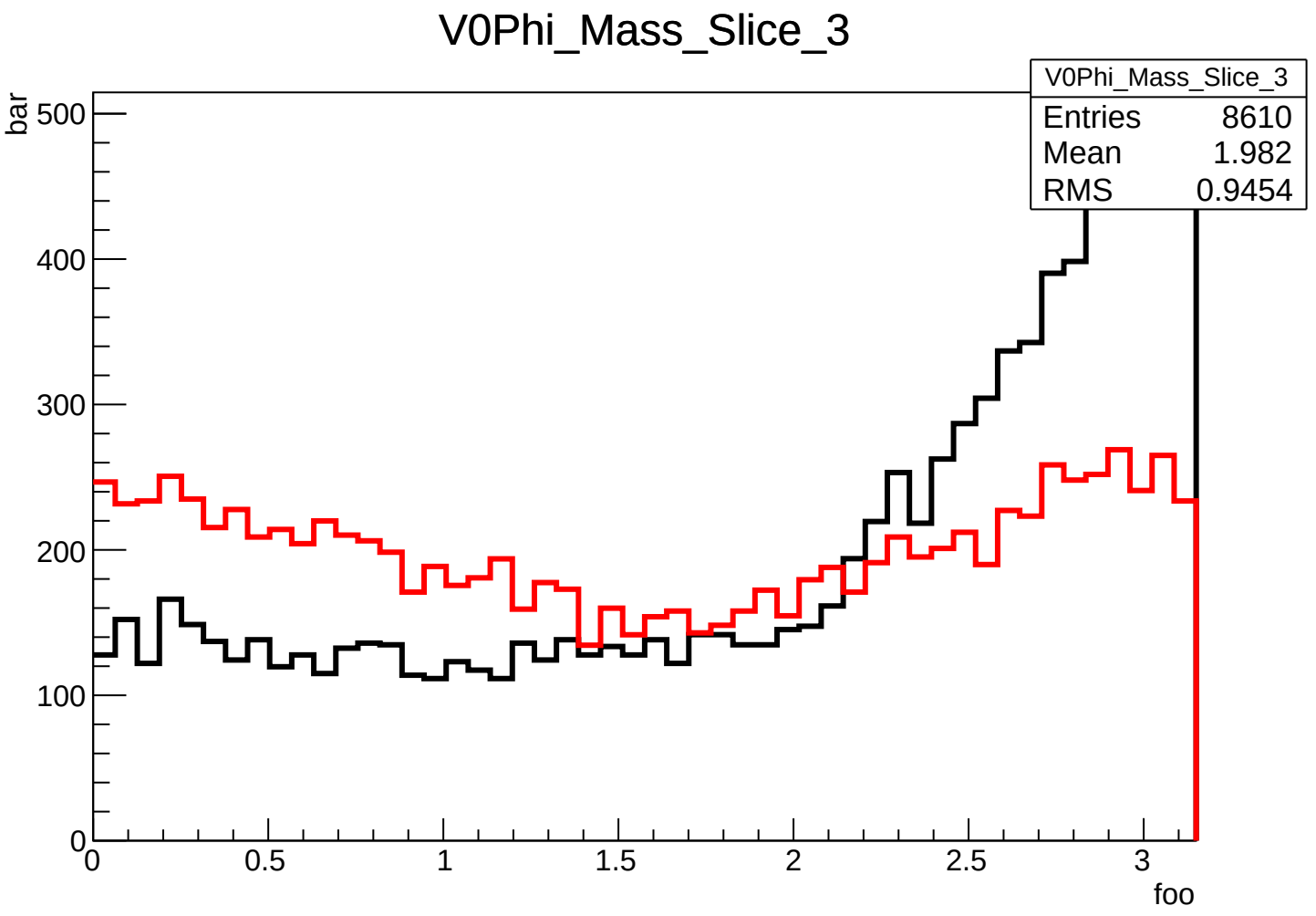

elePhi0_Mass_Slice_3
elePhi0_Mass_Slice_3
Entries 8610
Mean 0.02849
RMS 0.01193
bar
foo
0
200
400
600
800
1000
1200
1400
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

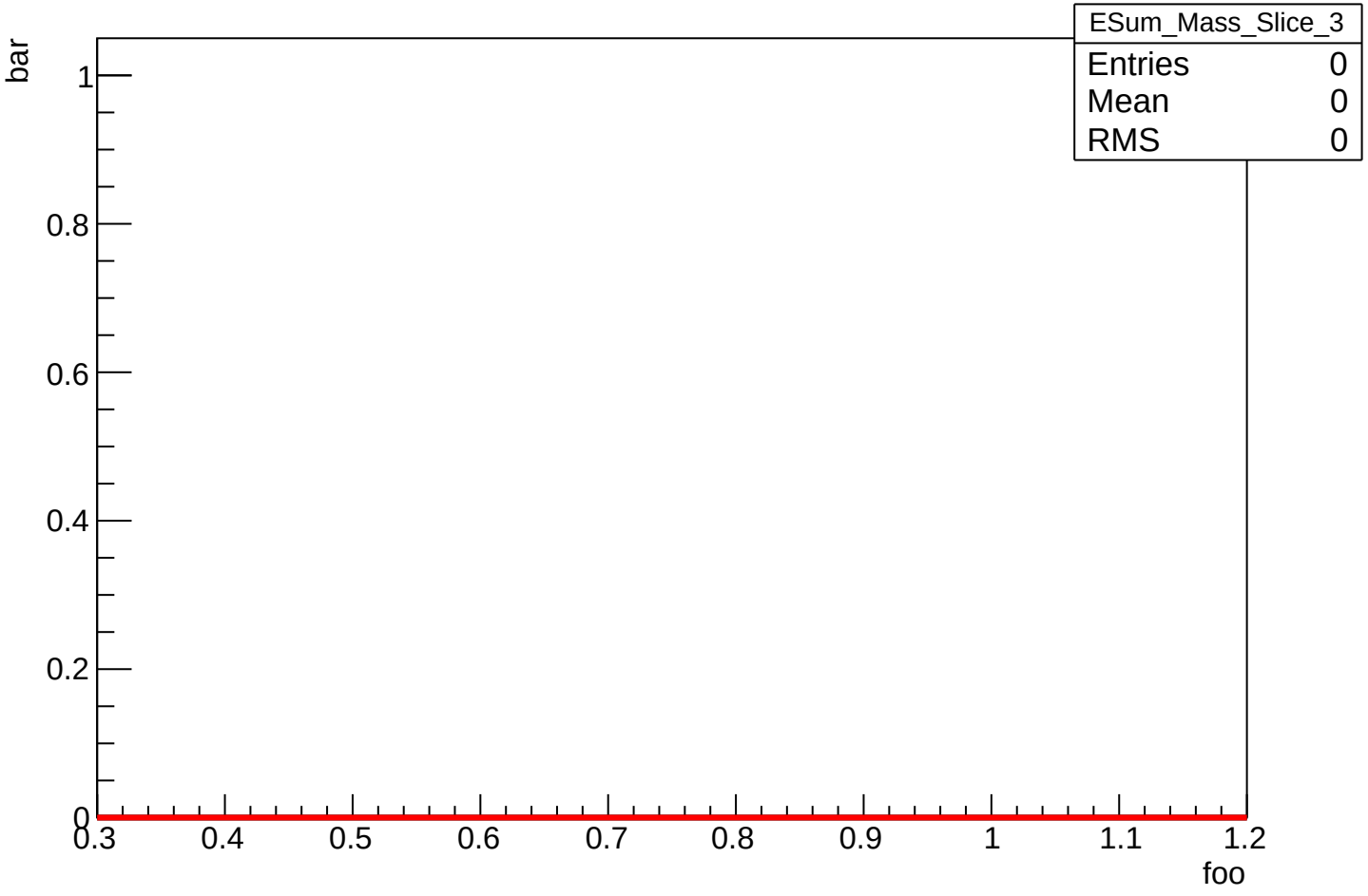

posPhi0_Mass_Slice_3
posPhi0_Mass_Slice_3
Entries 8610
Mean 0.02849
RMS 0.01193
bar
1400
1200
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

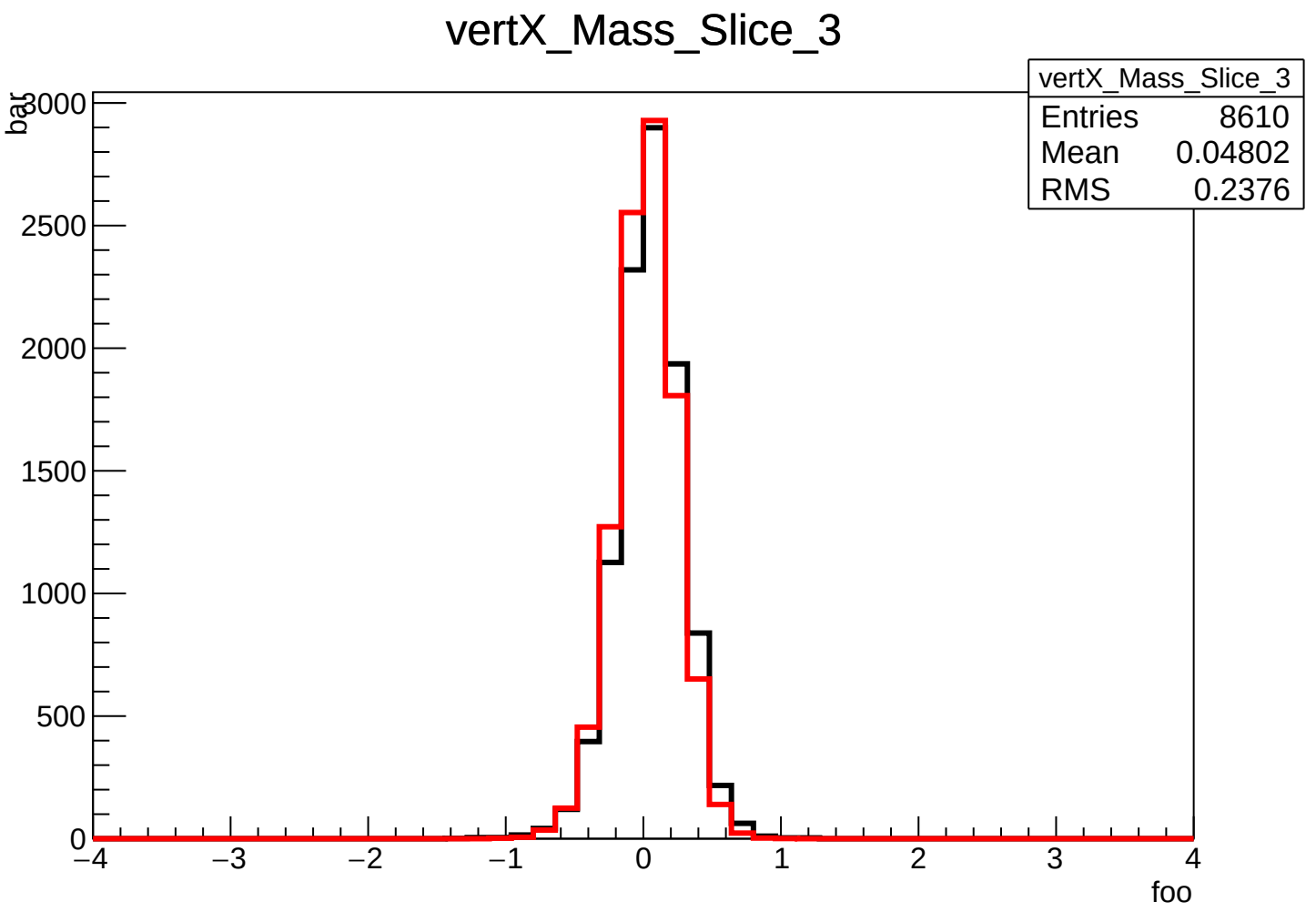

Coplanarity_Mass_Slice_3
Coplanarity_Mass_Slice_3
Entries 8610
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

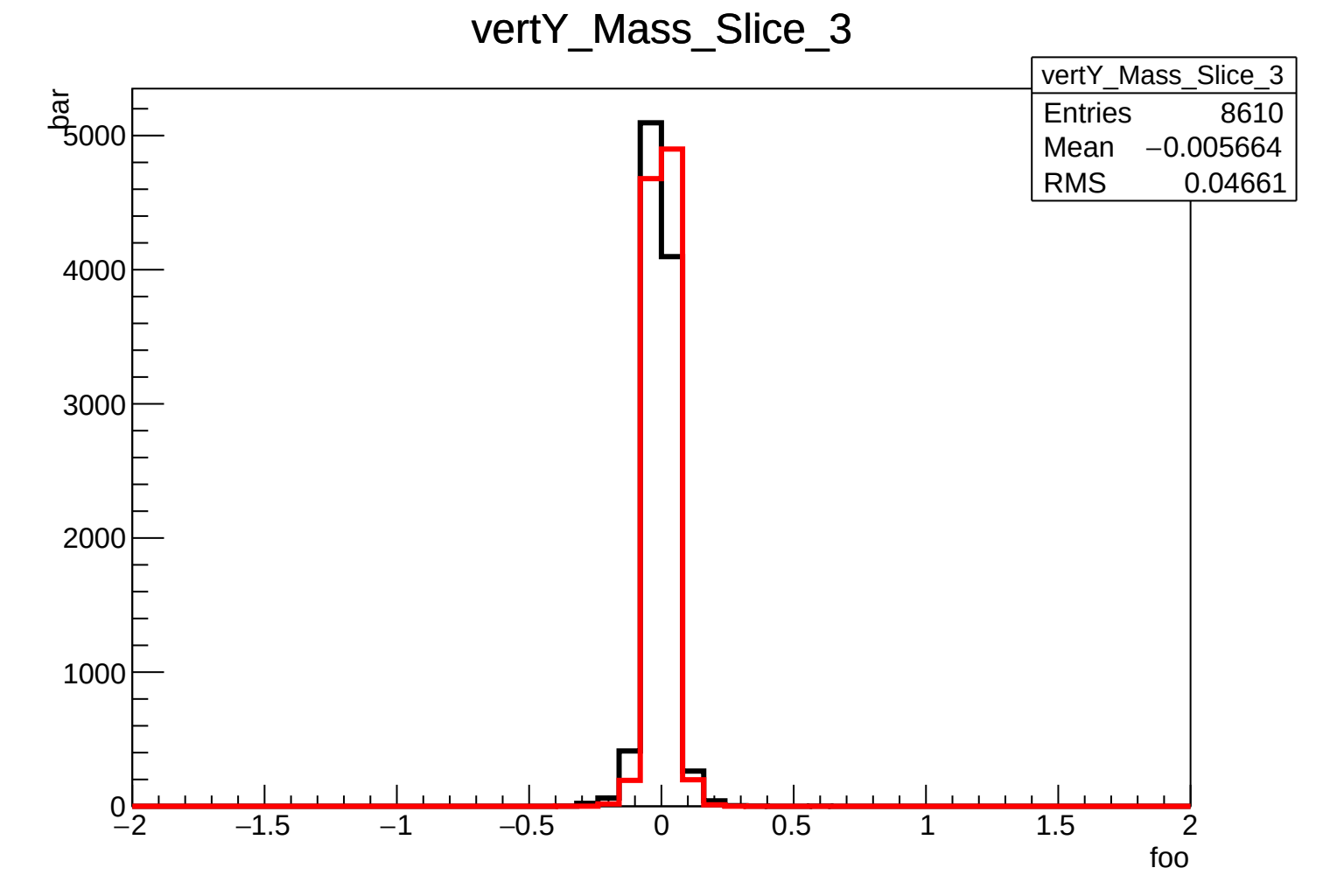

Ediff_Mass_Slice_3
Ediff_Mass_Slice_3
Entries 8610
Mean −0.04661
RMS 0.2213
bar
0
100
200
300
400
500
600
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

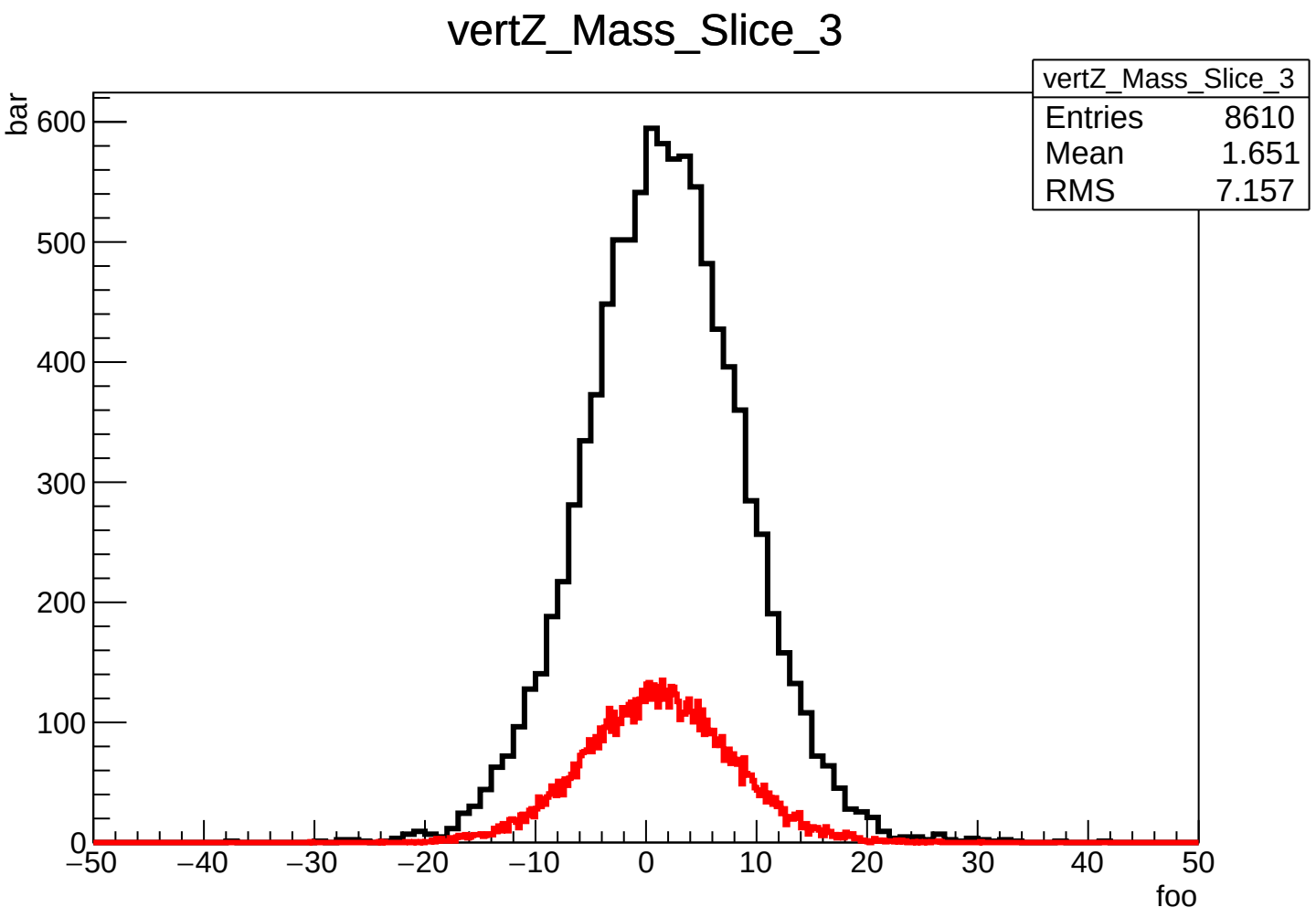

V0PolarAngle_Mass_Slice_3
V0PolarAngle_Mass_Slice_3
Entries 8610
Mean 0.008118
RMS 0.006087
bar
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05
foo

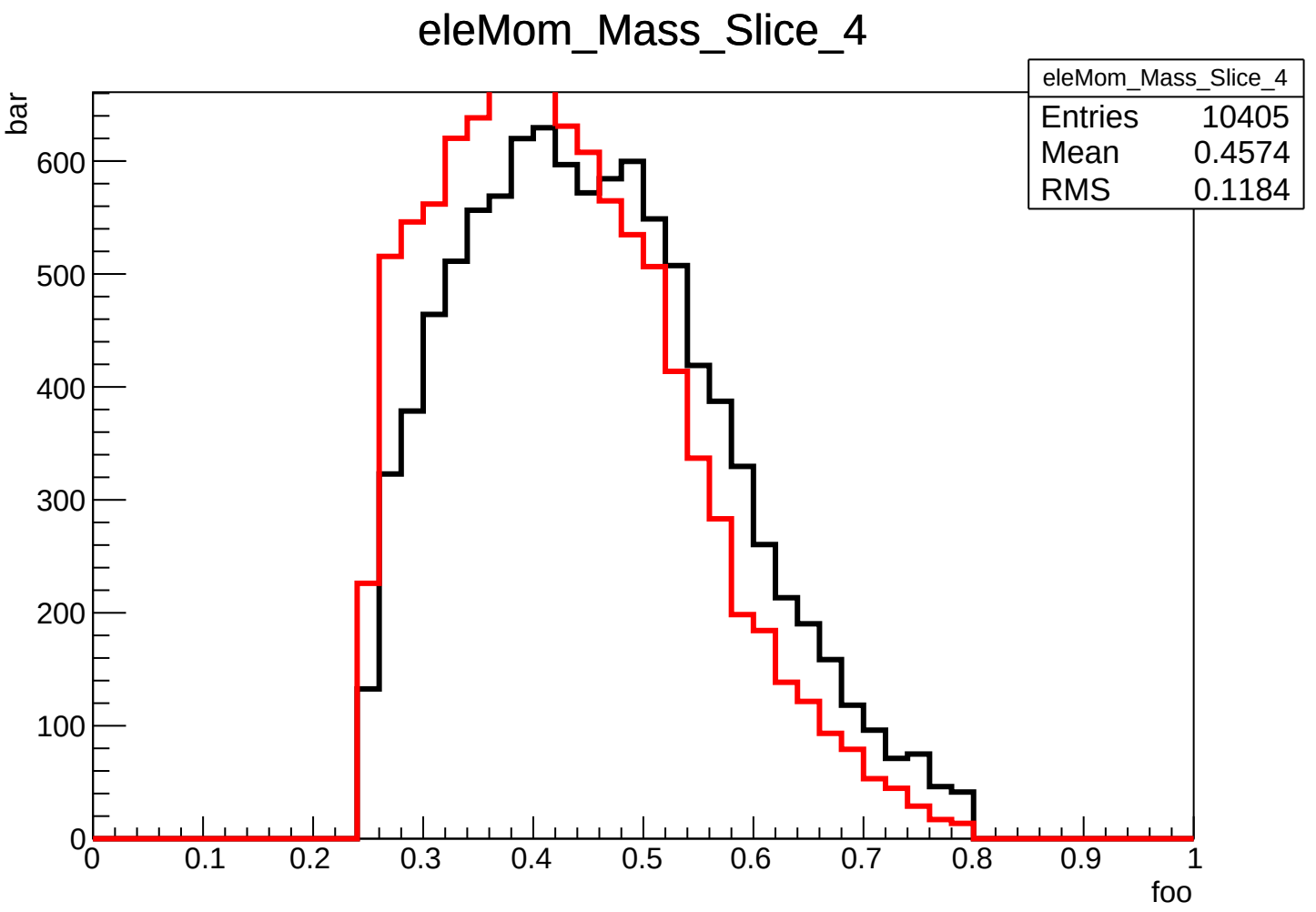

V0Phi_Mass_Slice_3
V0Phi_Mass_Slice_3
Entries 8610
Mean 1.982
RMS 0.9454
bar
foo
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3

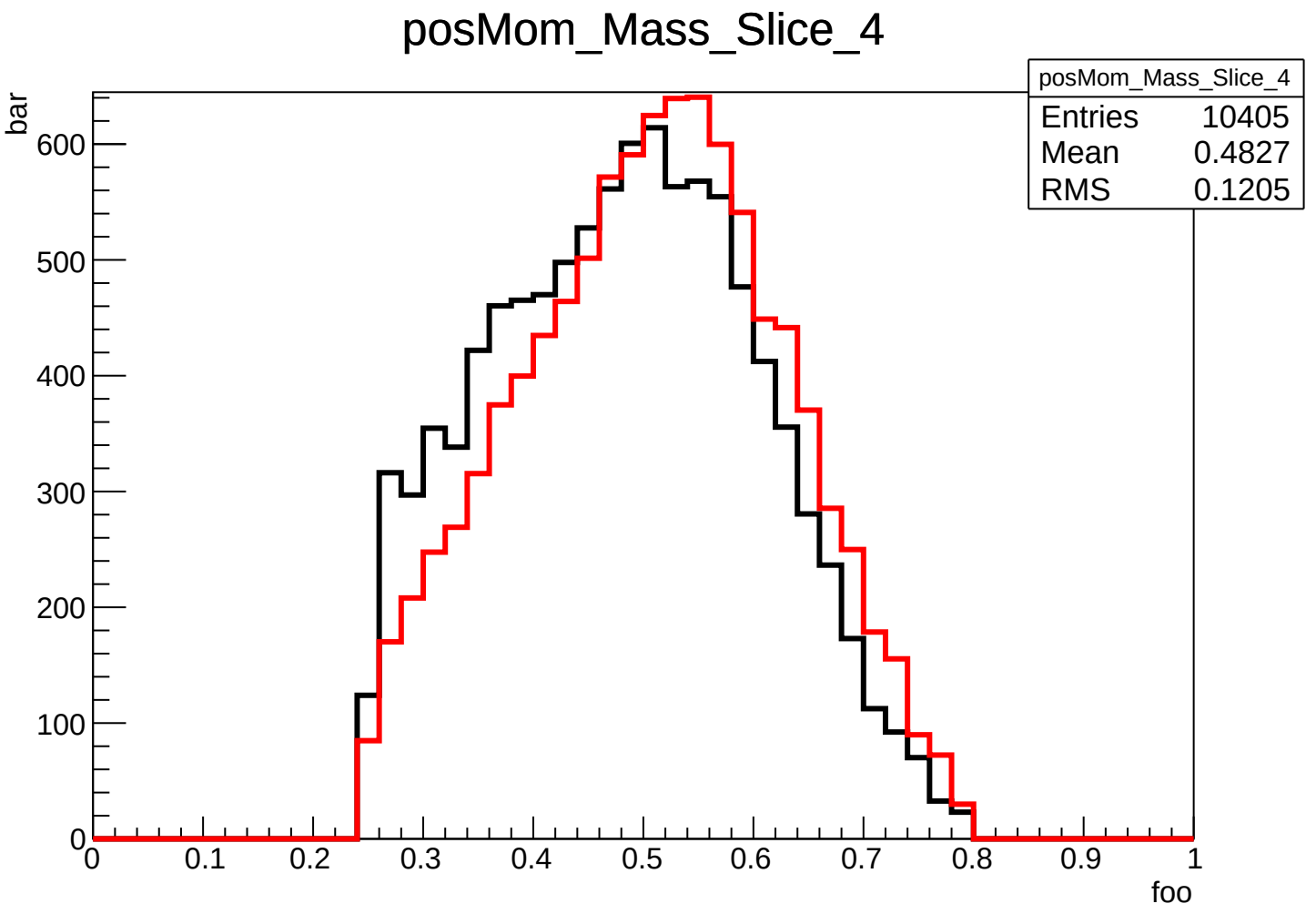

ESum_Mass_Slice_3
ESum_Mass_Slice_3
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

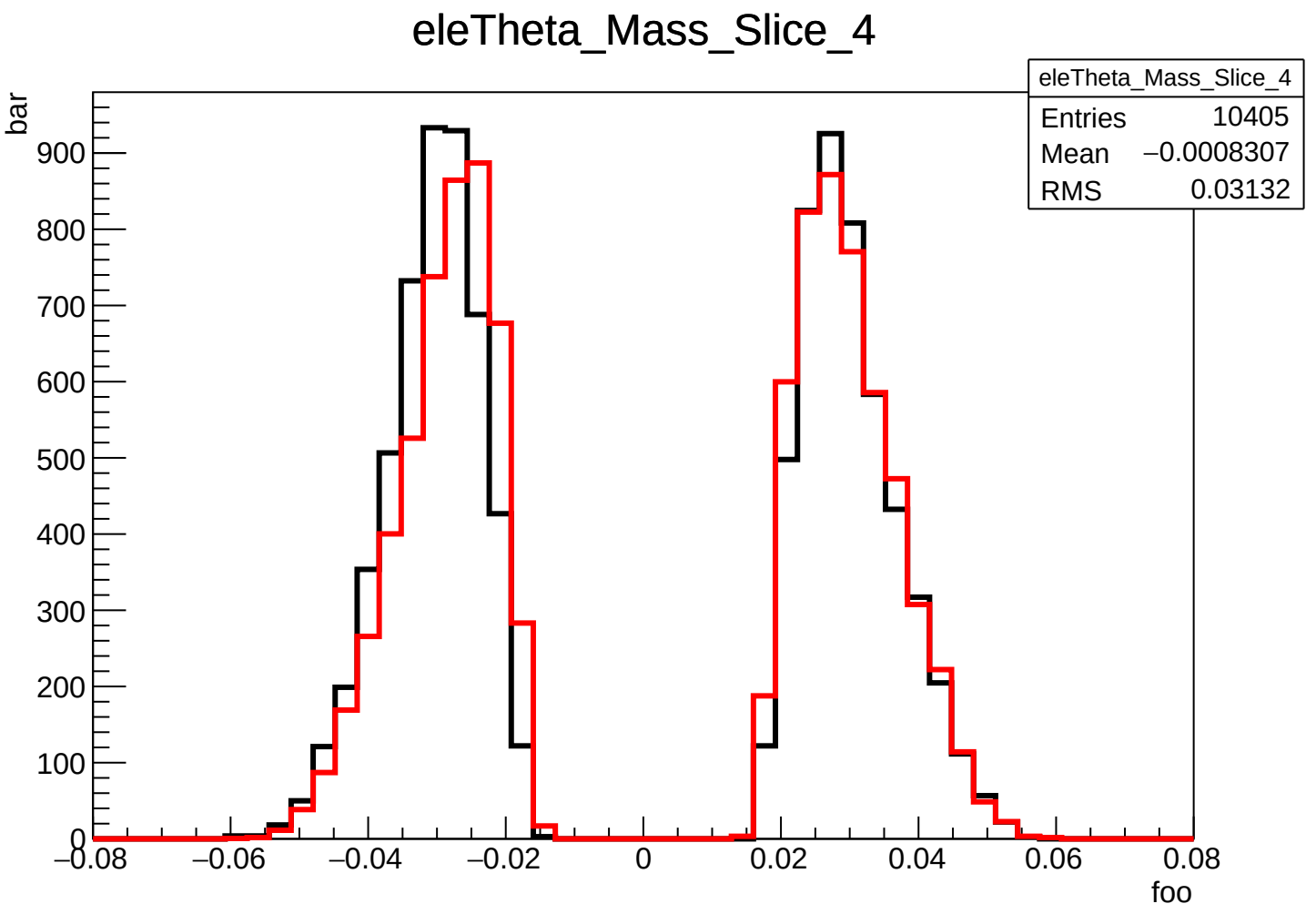

vertX_Mass_Slice_3
vertX_Mass_Slice_3
Entries 8610
Mean 0.04802
RMS 0.2376
bar
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

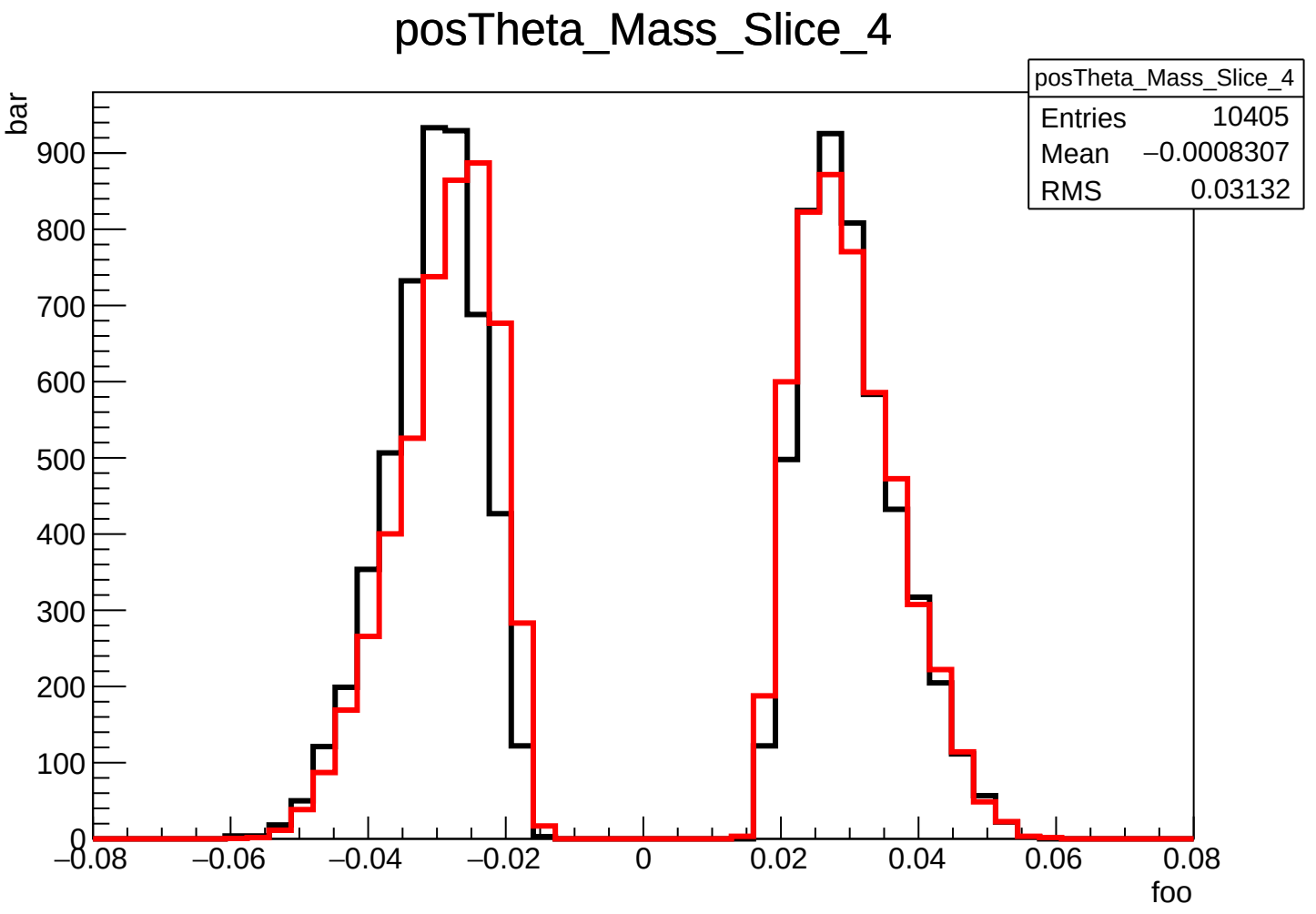

vertY_Mass_Slice_3
vertY_Mass_Slice_3
Entries 8610
Mean −0.005664
RMS 0.04661
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

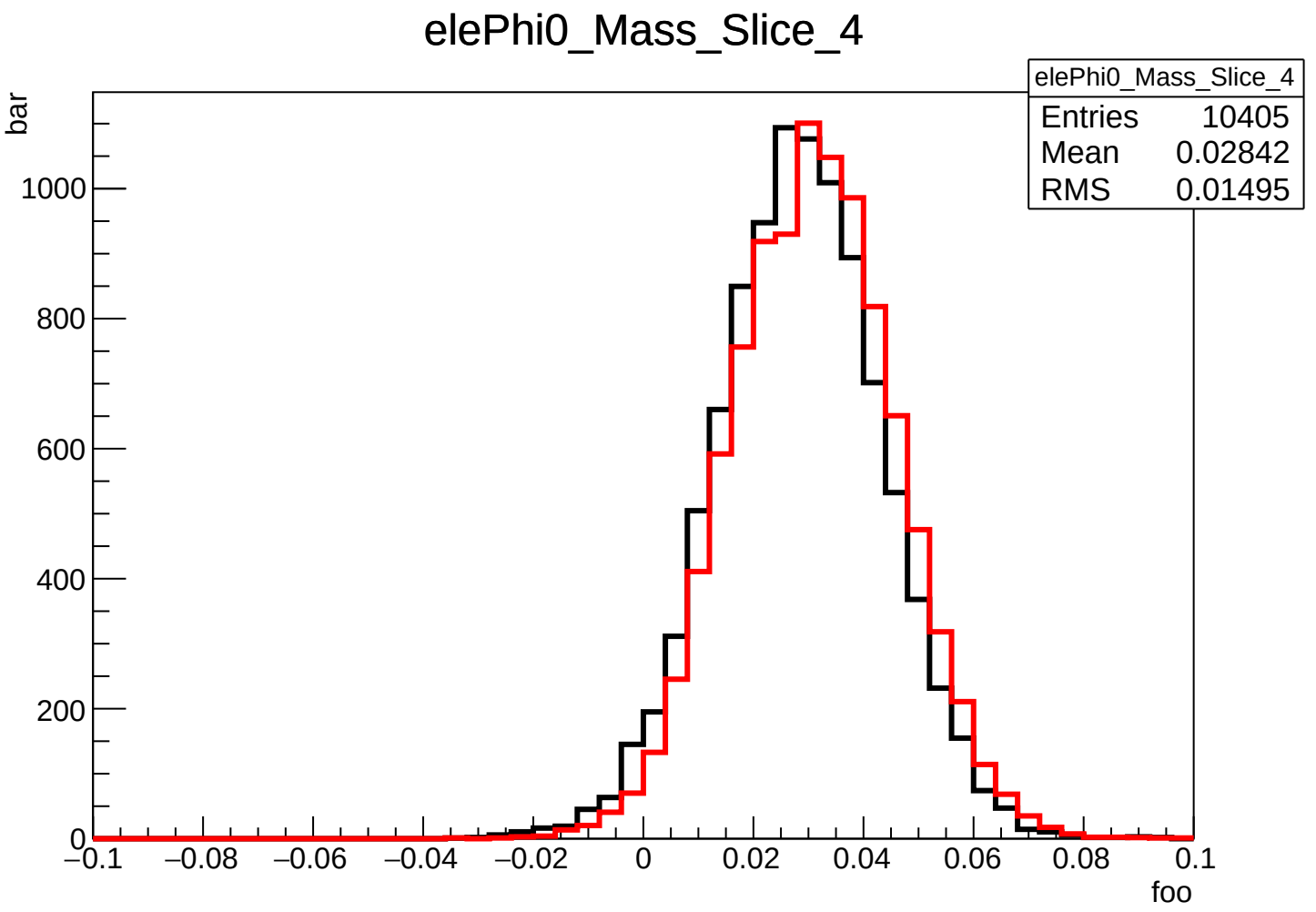

vertZ_Mass_Slice_3
vertZ_Mass_Slice_3
Entries 8610
Mean 1.651
RMS 7.157
bar
600
500
400
300
200
100
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

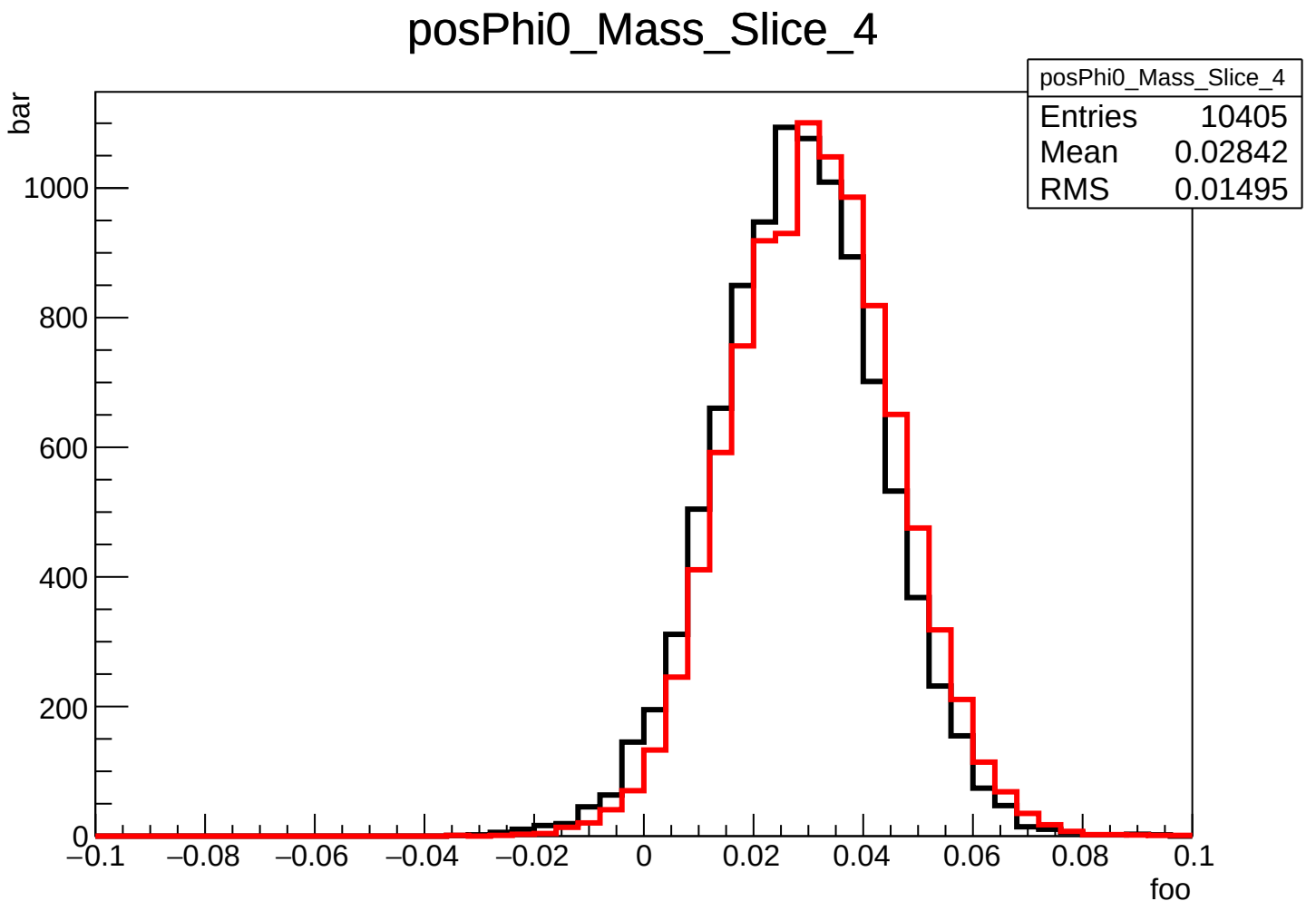

eleMom_Mass_Slice_4
eleMom_Mass_Slice_4
Entries 10405
Mean 0.4574
RMS 0.1184
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

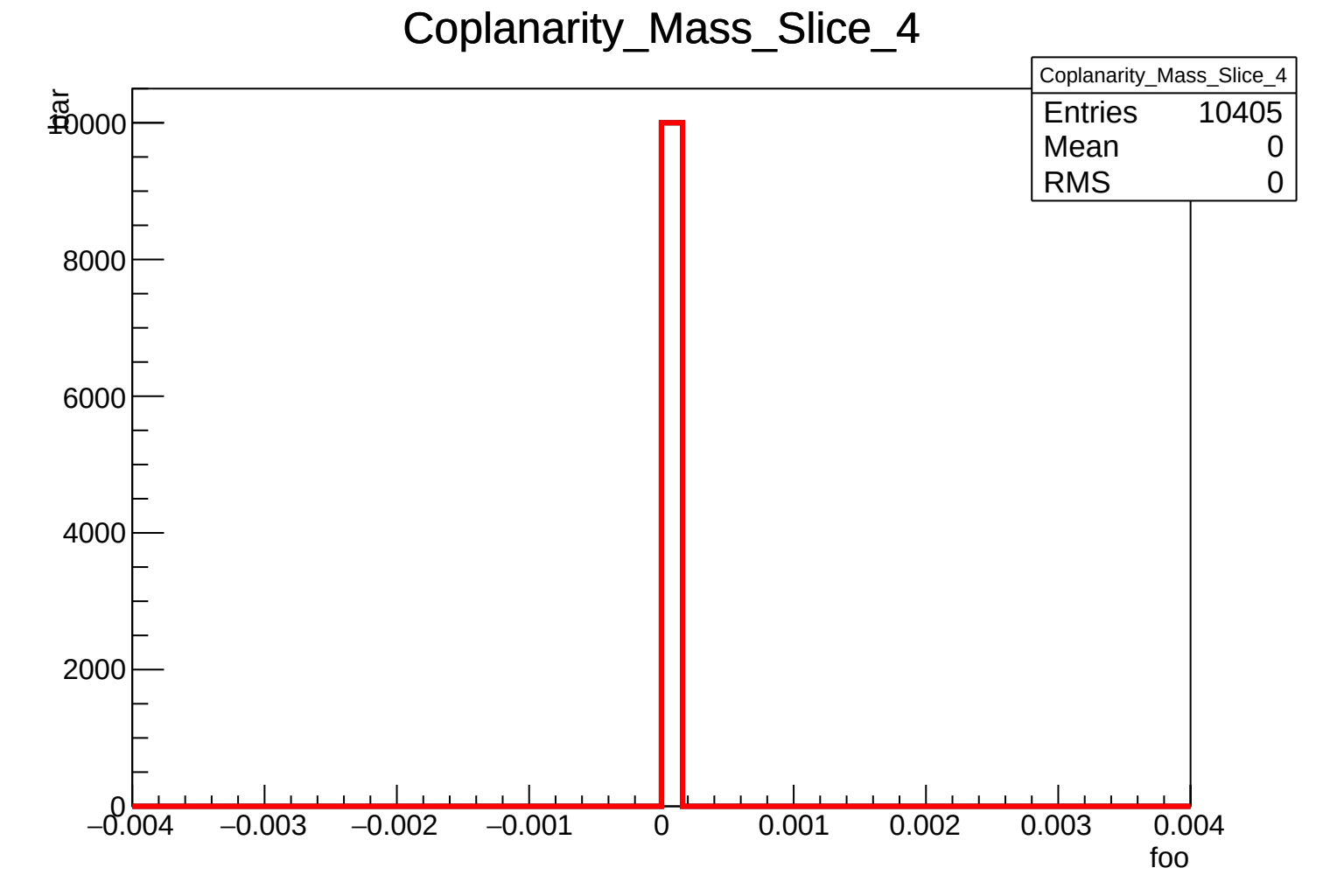

posMom_Mass_Slice_4
posMom_Mass_Slice_4
Entries 10405
Mean 0.4827
RMS 0.1205
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

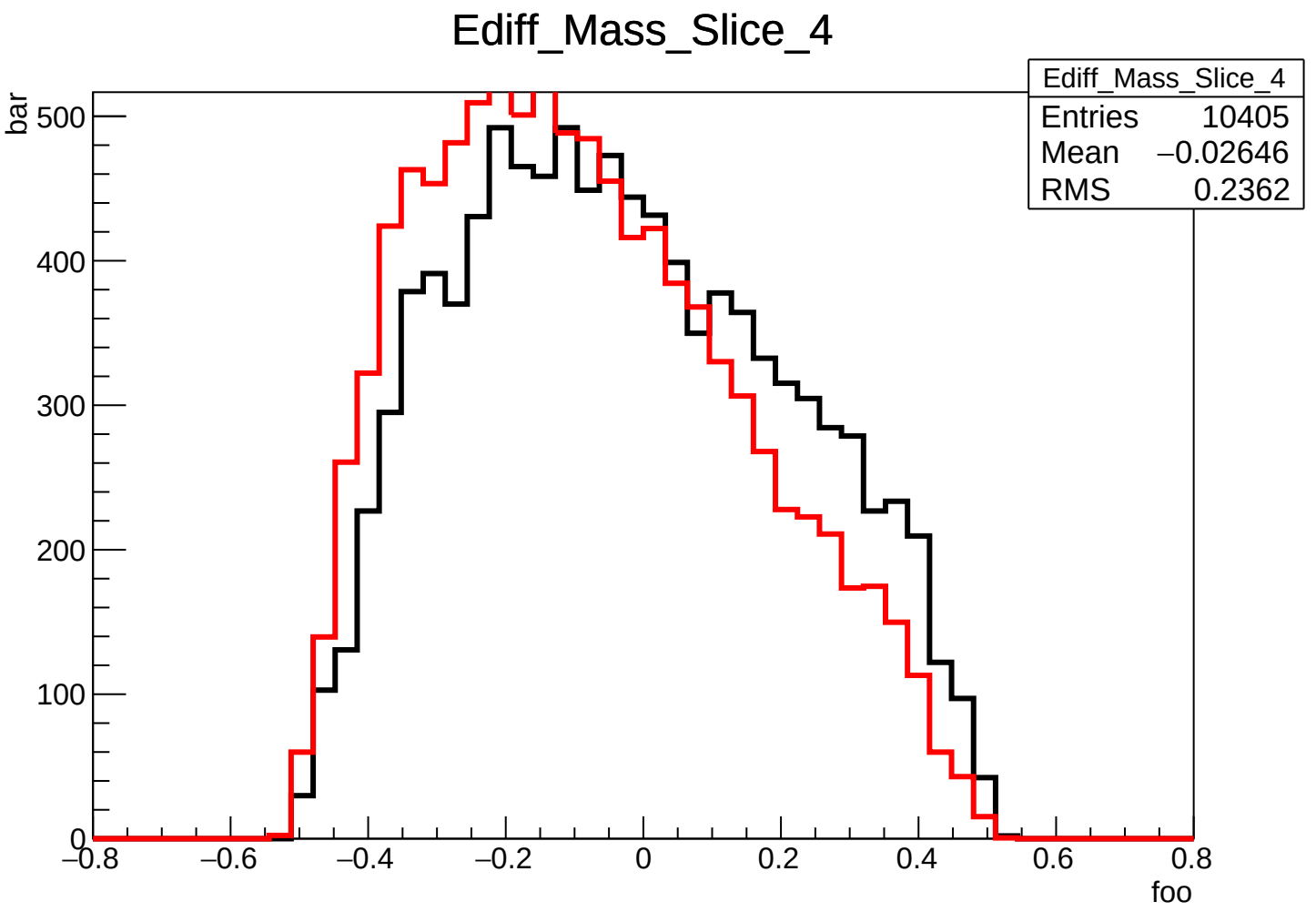

eleTheta_Mass_Slice_4
eleTheta_Mass_Slice_4
Entries 10405
Mean −0.0008307
RMS 0.03132
bar
foo
0
100
200
300
400
500
600
700
800
900
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08

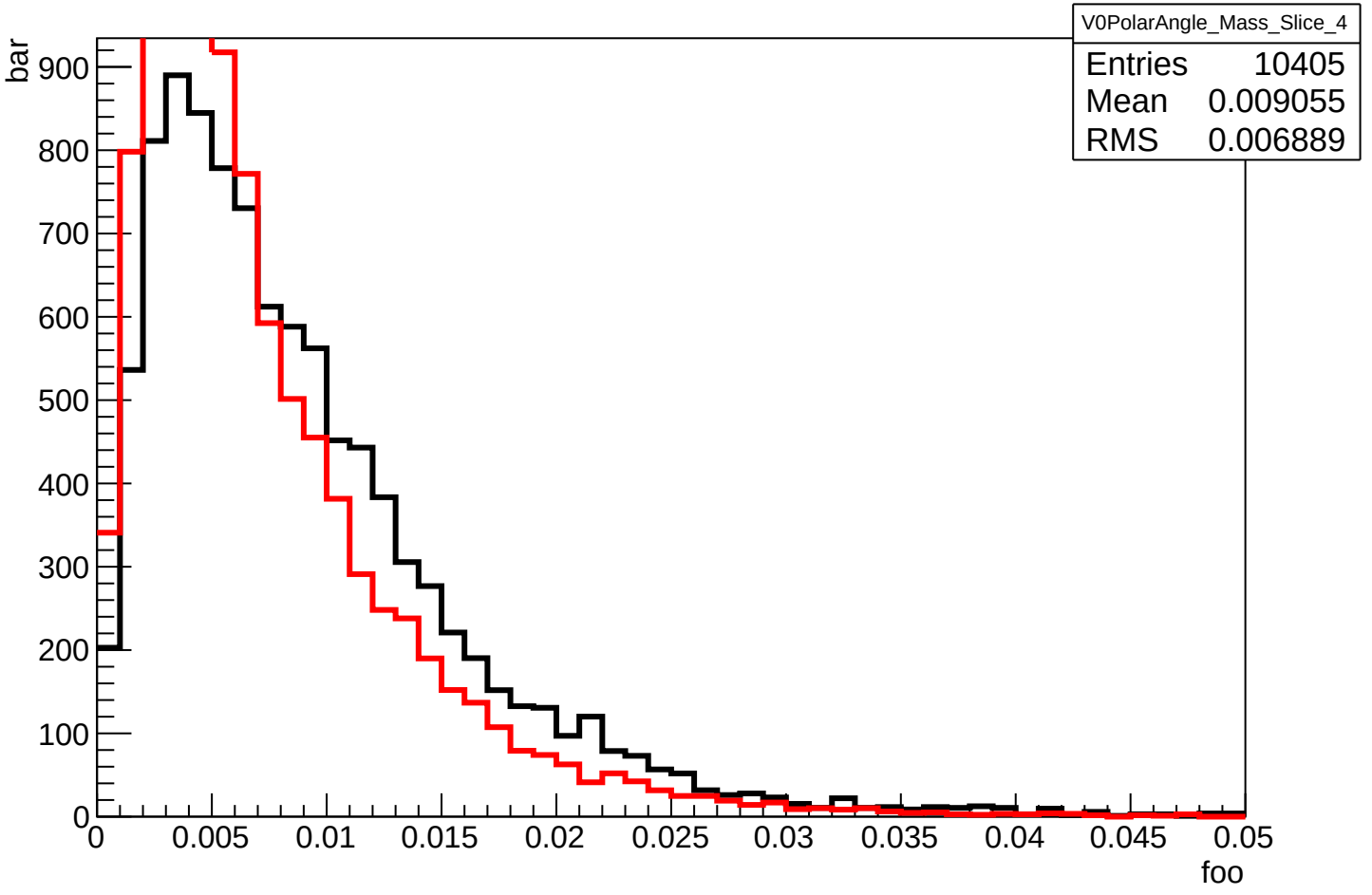

posTheta_Mass_Slice_4
posTheta_Mass_Slice_4
Entries 10405
Mean −0.0008307
RMS 0.03132
bar
900
800
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

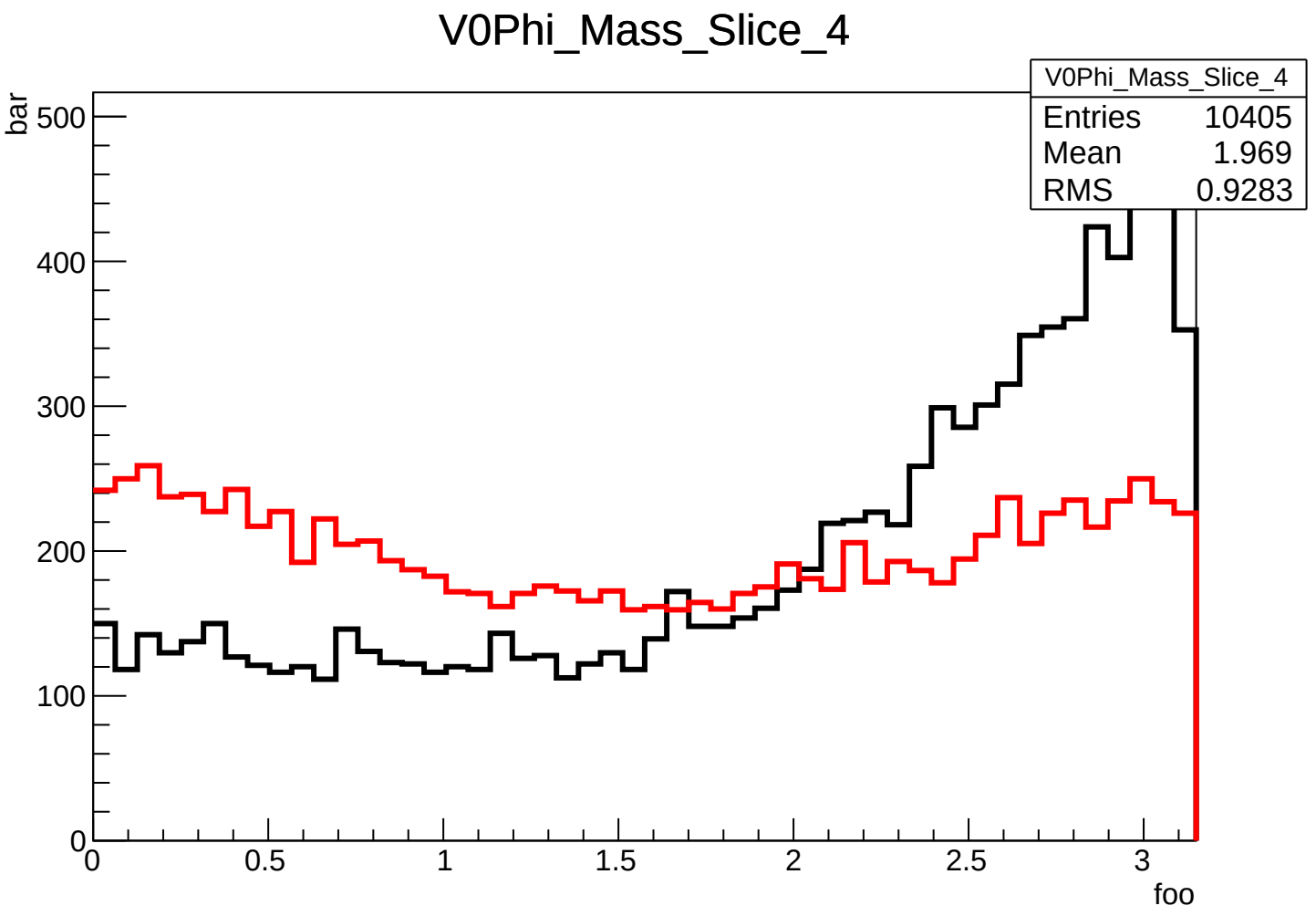

elePhi0_Mass_Slice_4
elePhi0_Mass_Slice_4
Entries 10405
Mean 0.02842
RMS 0.01495
bar
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

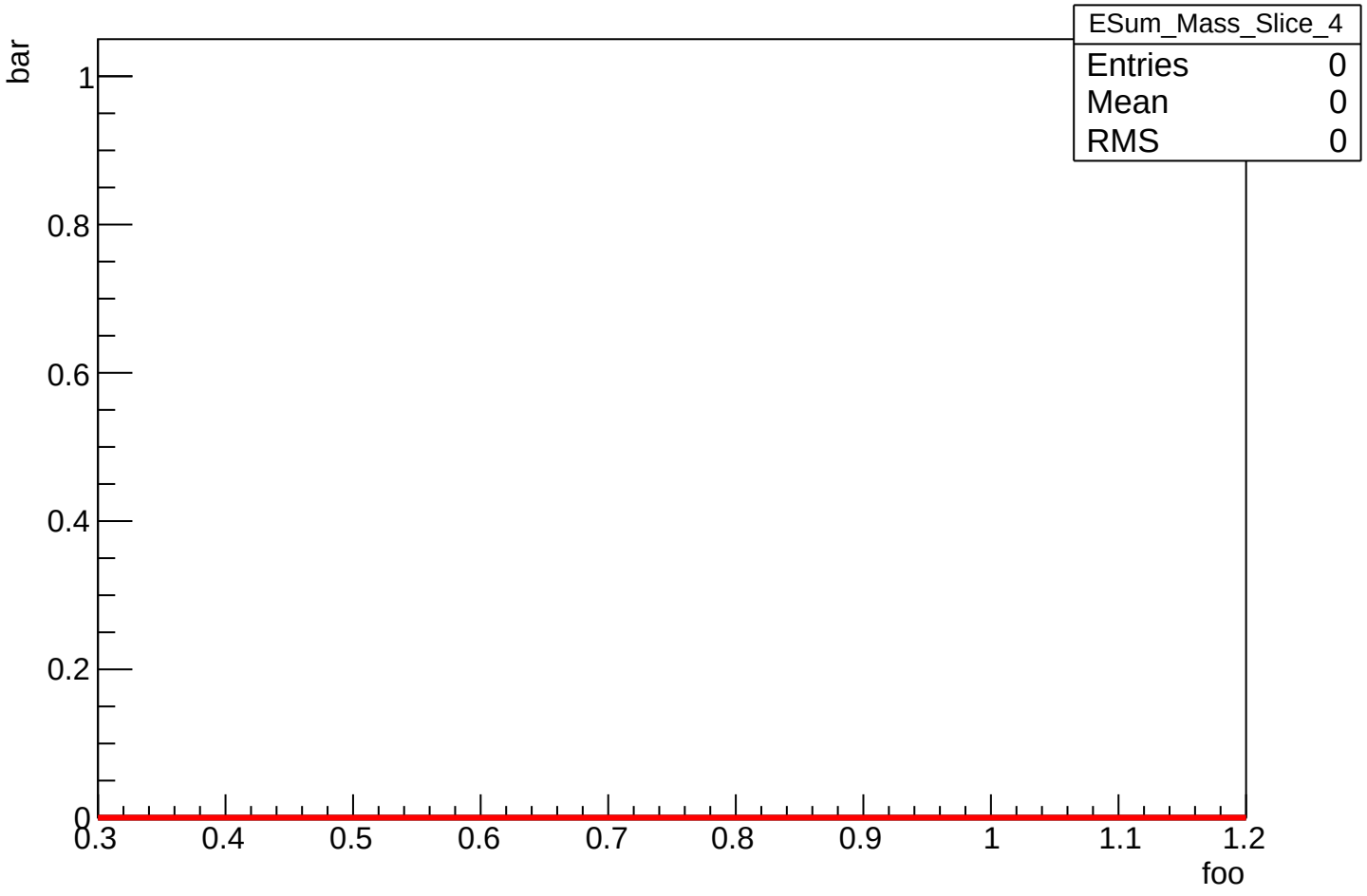

posPhi0_Mass_Slice_4
posPhi0_Mass_Slice_4
Entries 10405
Mean 0.02842
RMS 0.01495
bar
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

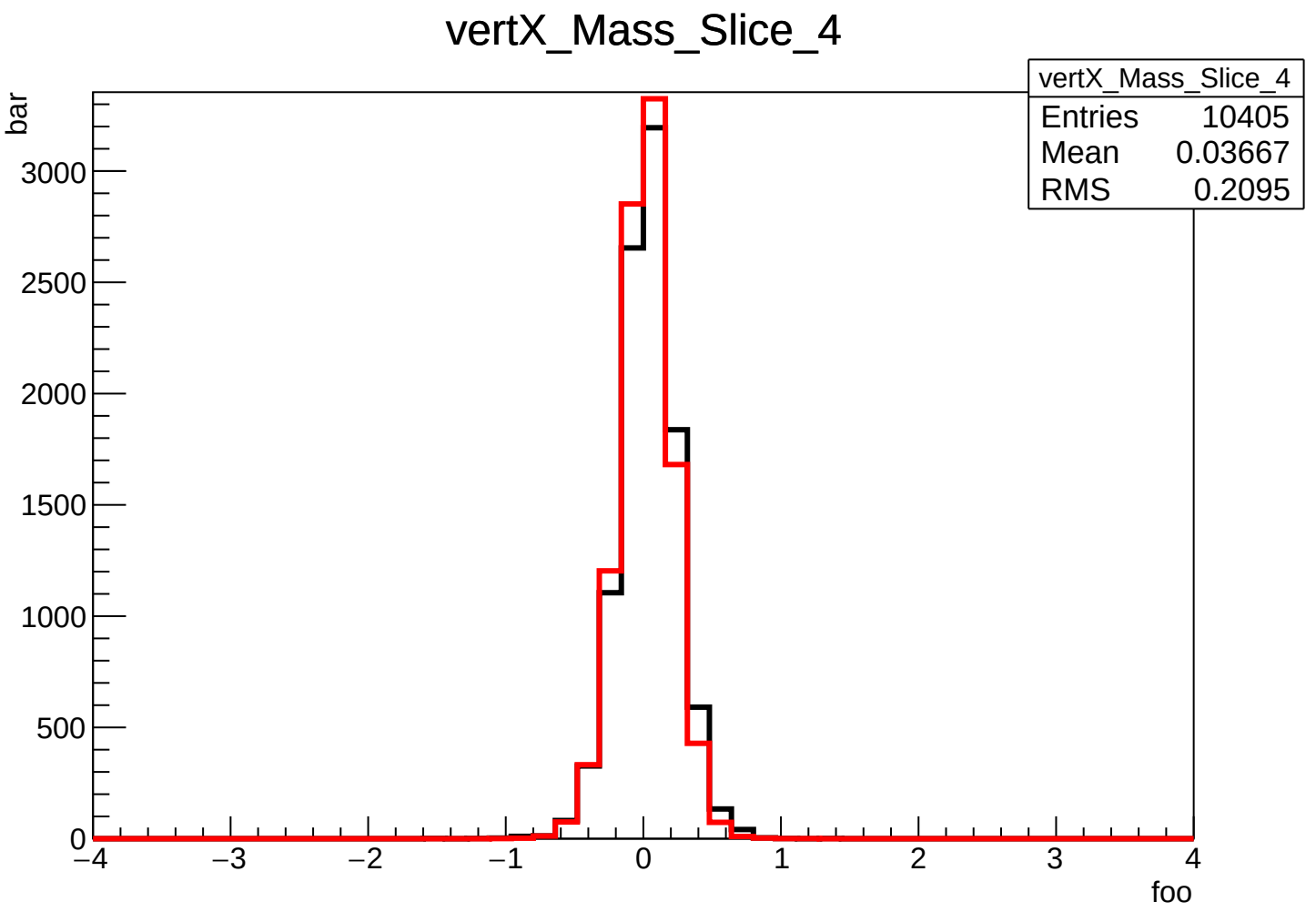

Coplanarity_Mass_Slice_4
Coplanarity_Mass_Slice_4
Entries 10405
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

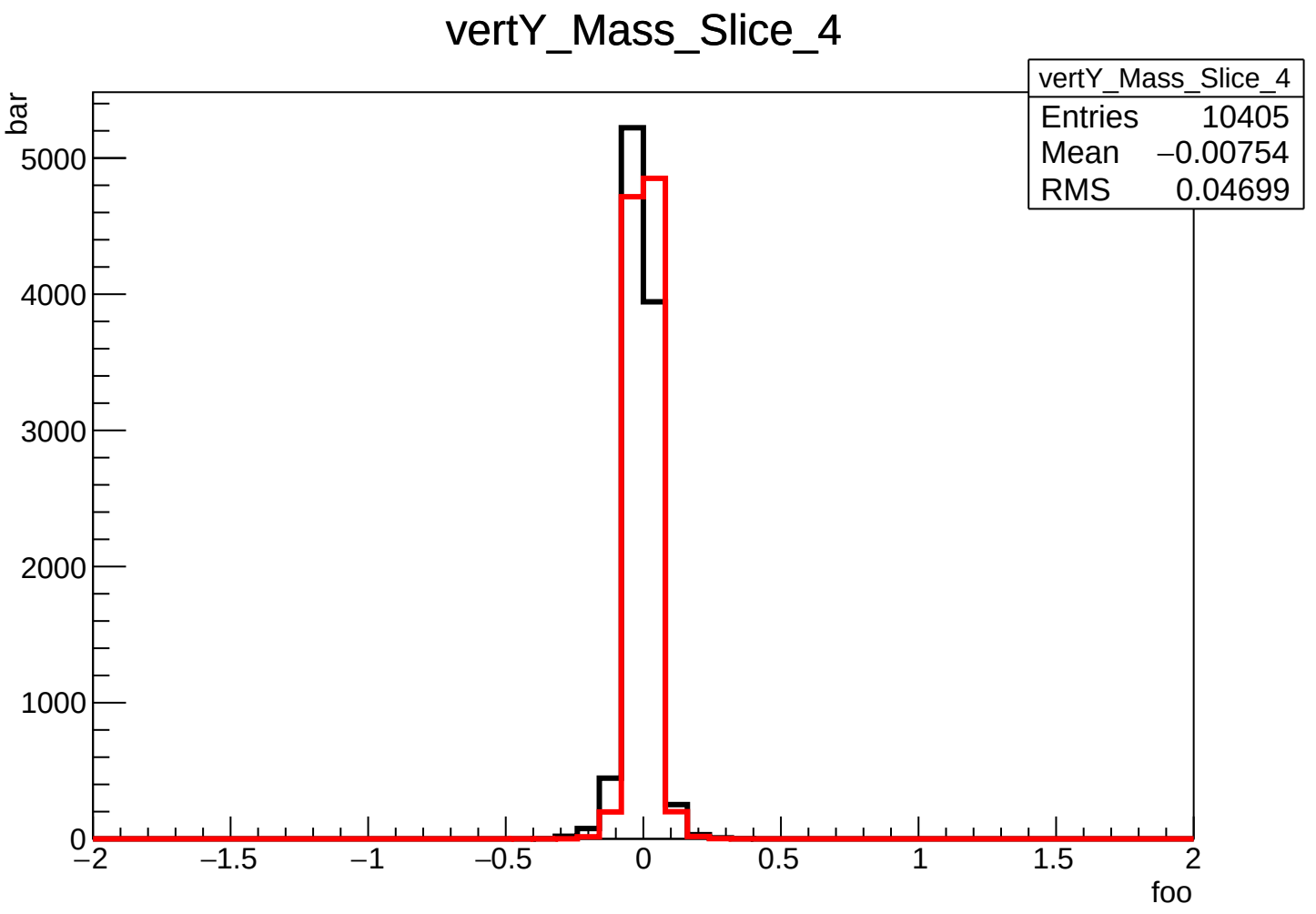

Ediff_Mass_Slice_4
Ediff_Mass_Slice_4
Entries 10405
Mean −0.02646
RMS 0.2362
bar
0
100
200
300
400
500
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

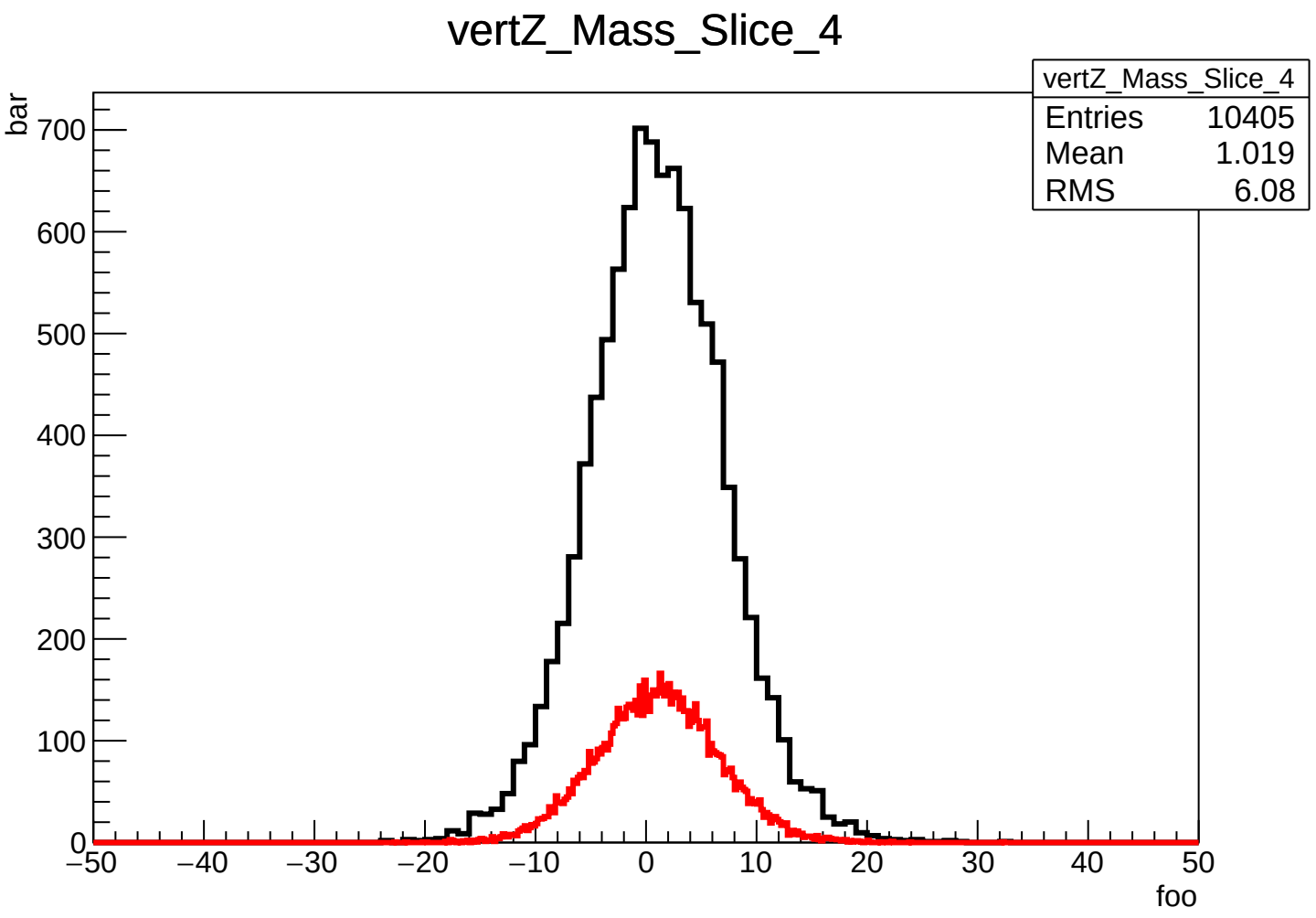

V0PolarAngle_Mass_Slice_4
V0PolarAngle_Mass_Slice_4
Entries 10405
Mean 0.009055
RMS 0.006889
bar
foo
0
100
200
300
400
500
600
700
800
900
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

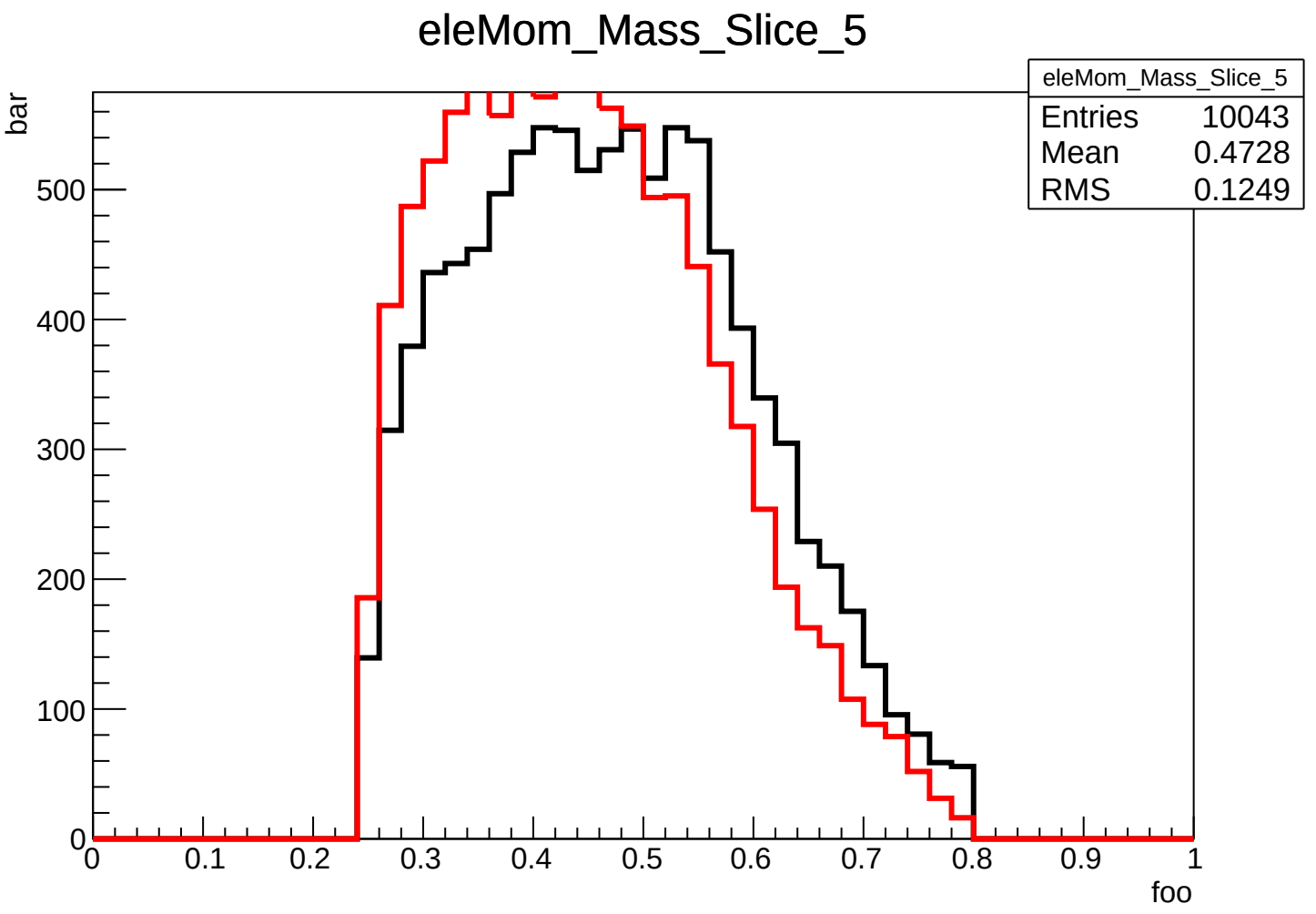

V0Phi_Mass_Slice_4
V0Phi_Mass_Slice_4
Entries 10405
Mean 1.969
RMS 0.9283
bar
foo
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3

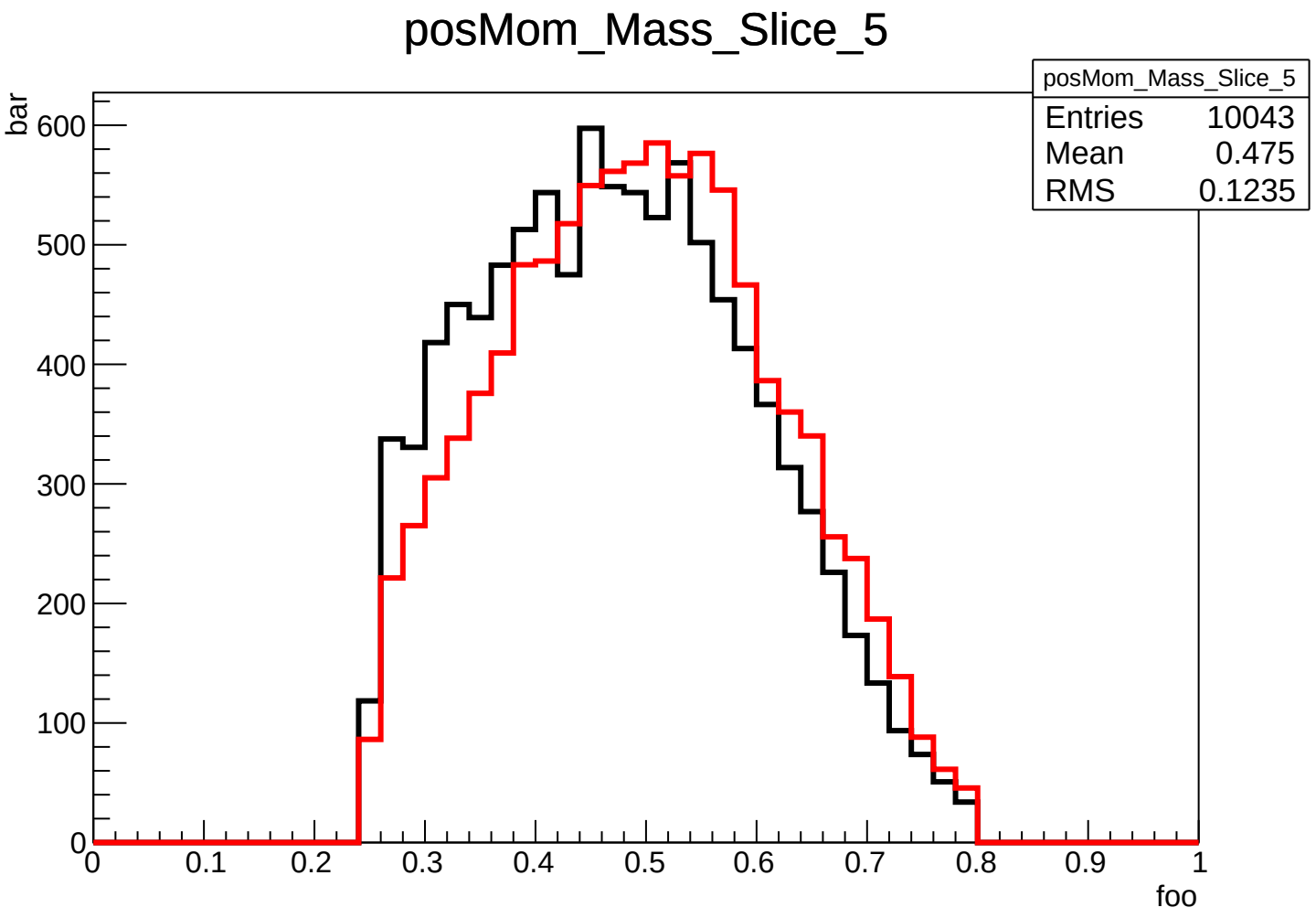

ESum_Mass_Slice_4
ESum_Mass_Slice_4
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

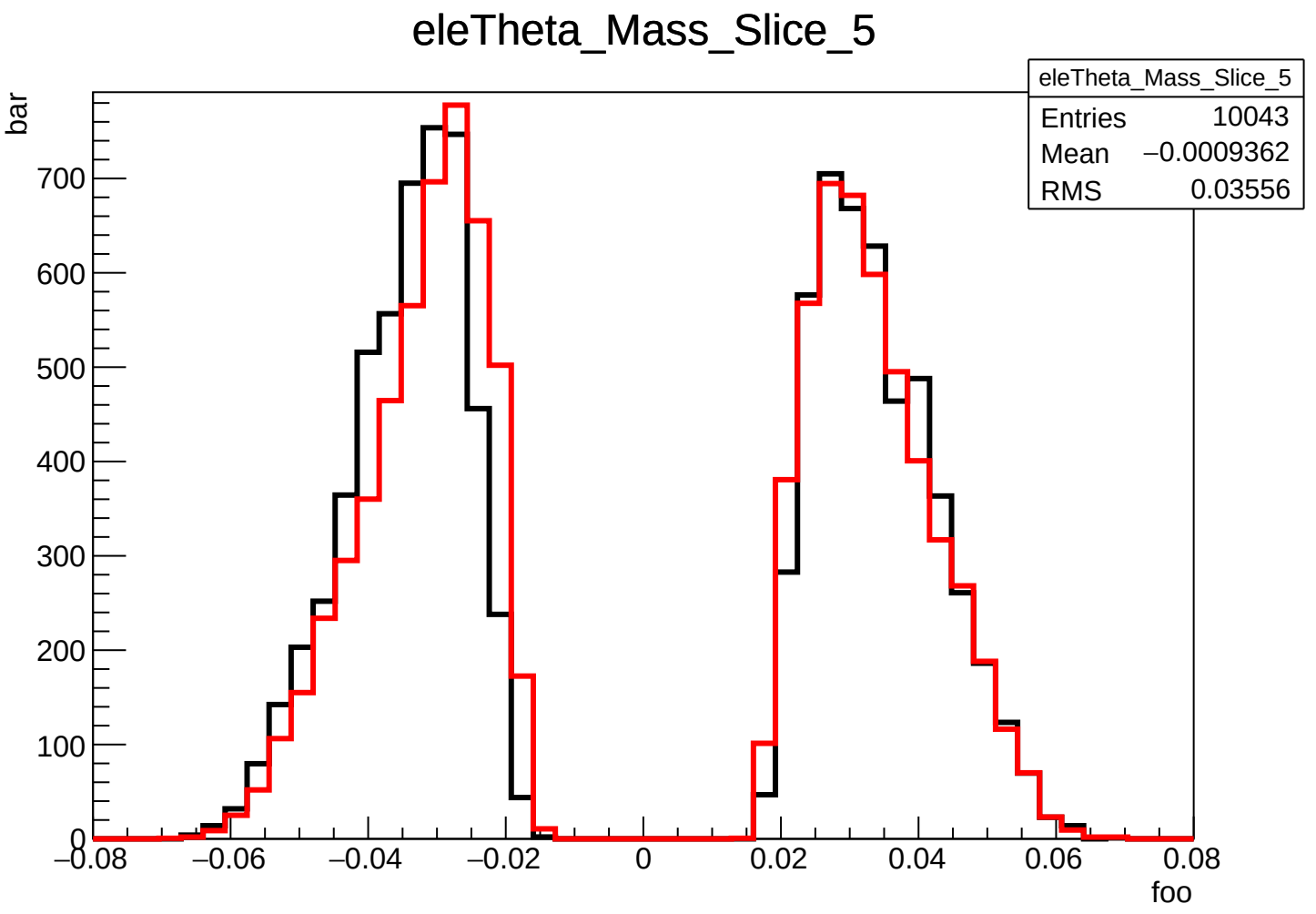

vertX_Mass_Slice_4
vertX_Mass_Slice_4
Entries 10405
Mean 0.03667
RMS 0.2095
bar
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

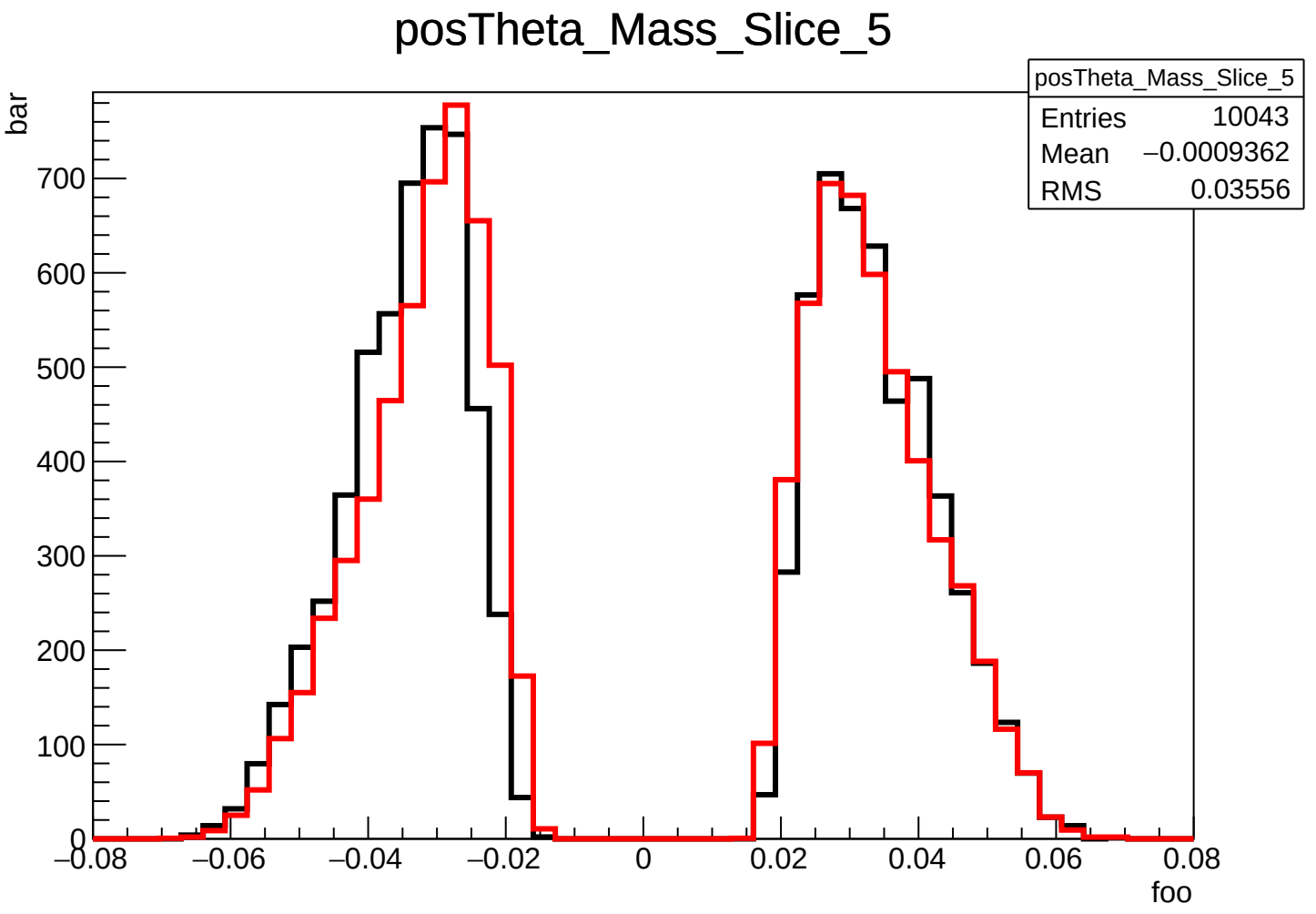

vertY_Mass_Slice_4
vertY_Mass_Slice_4
Entries 10405
Mean −0.00754
RMS 0.04699
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

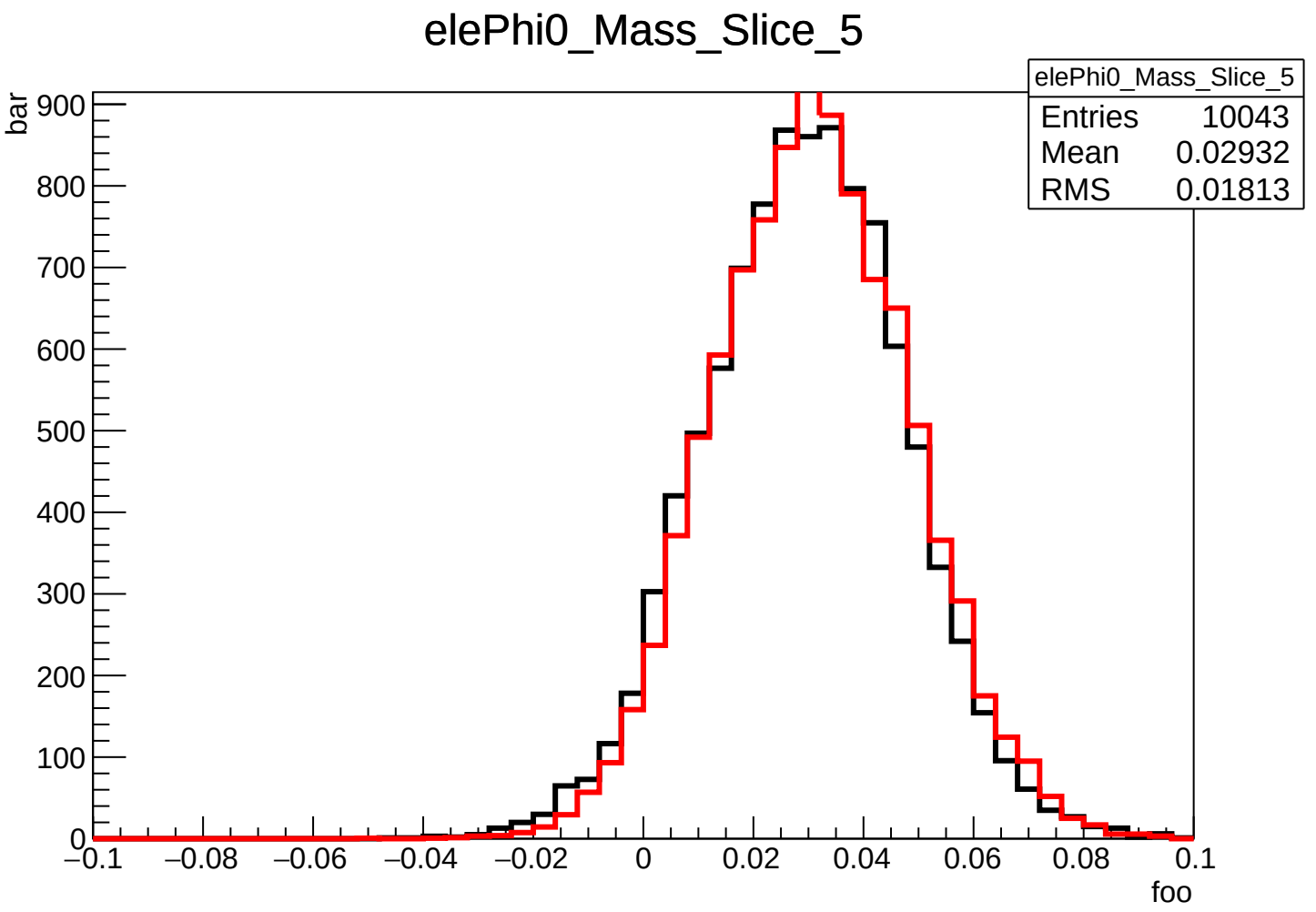

vertZ_Mass_Slice_4
vertZ_Mass_Slice_4
Entries 10405
Mean 1.019
RMS 6.08
bar
0
100
200
300
400
500
600
700
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

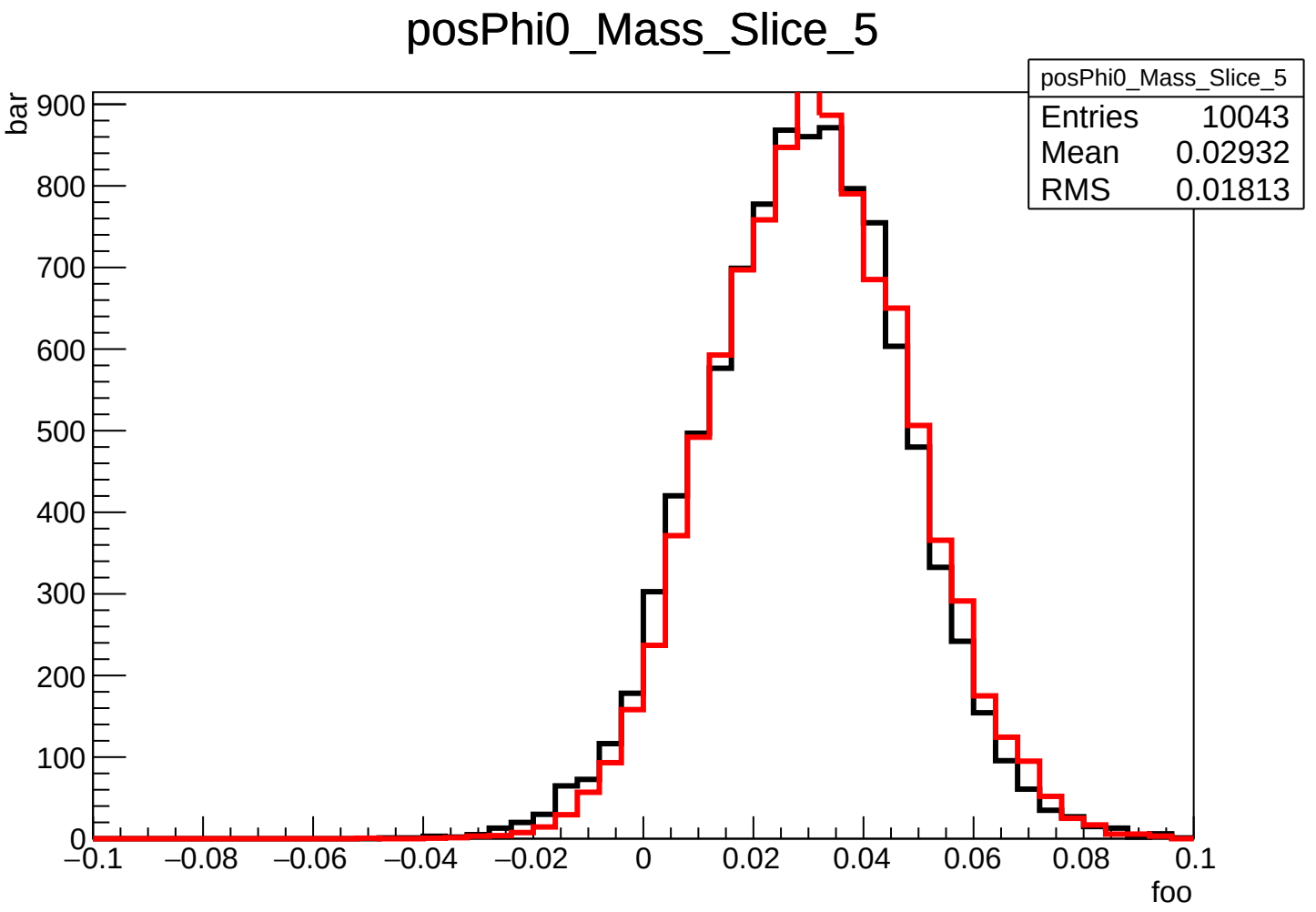

eleMom_Mass_Slice_5
eleMom_Mass_Slice_5
Entries 10043
Mean 0.4728
RMS 0.1249
bar
foo
0
100
200
300
400
500
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

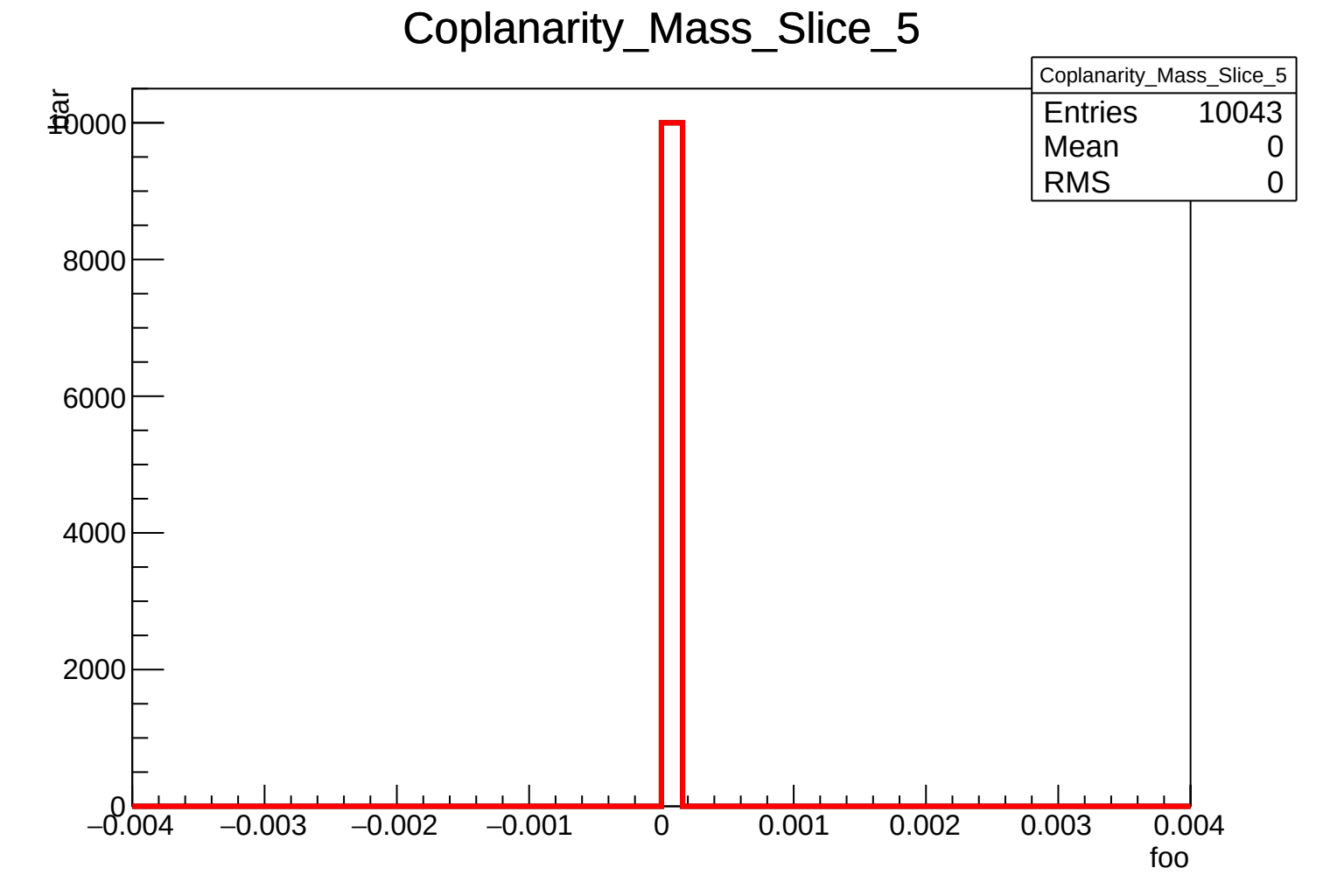

posMom_Mass_Slice_5
posMom_Mass_Slice_5
Entries 10043
Mean 0.475
RMS 0.1235
bar
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

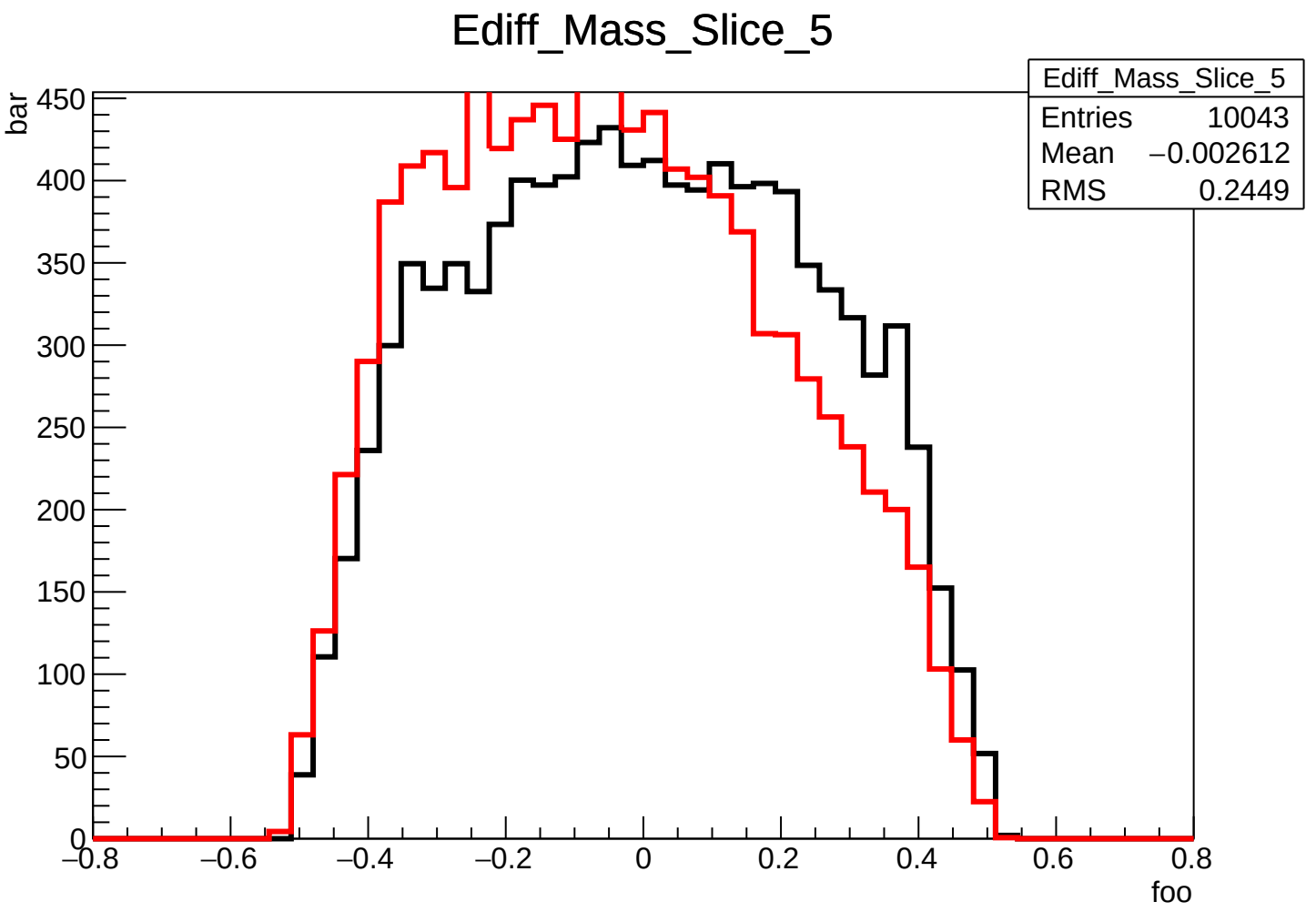

eleTheta_Mass_Slice_5
eleTheta_Mass_Slice_5
Entries 10043
Mean −0.0009362
RMS 0.03556
bar
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

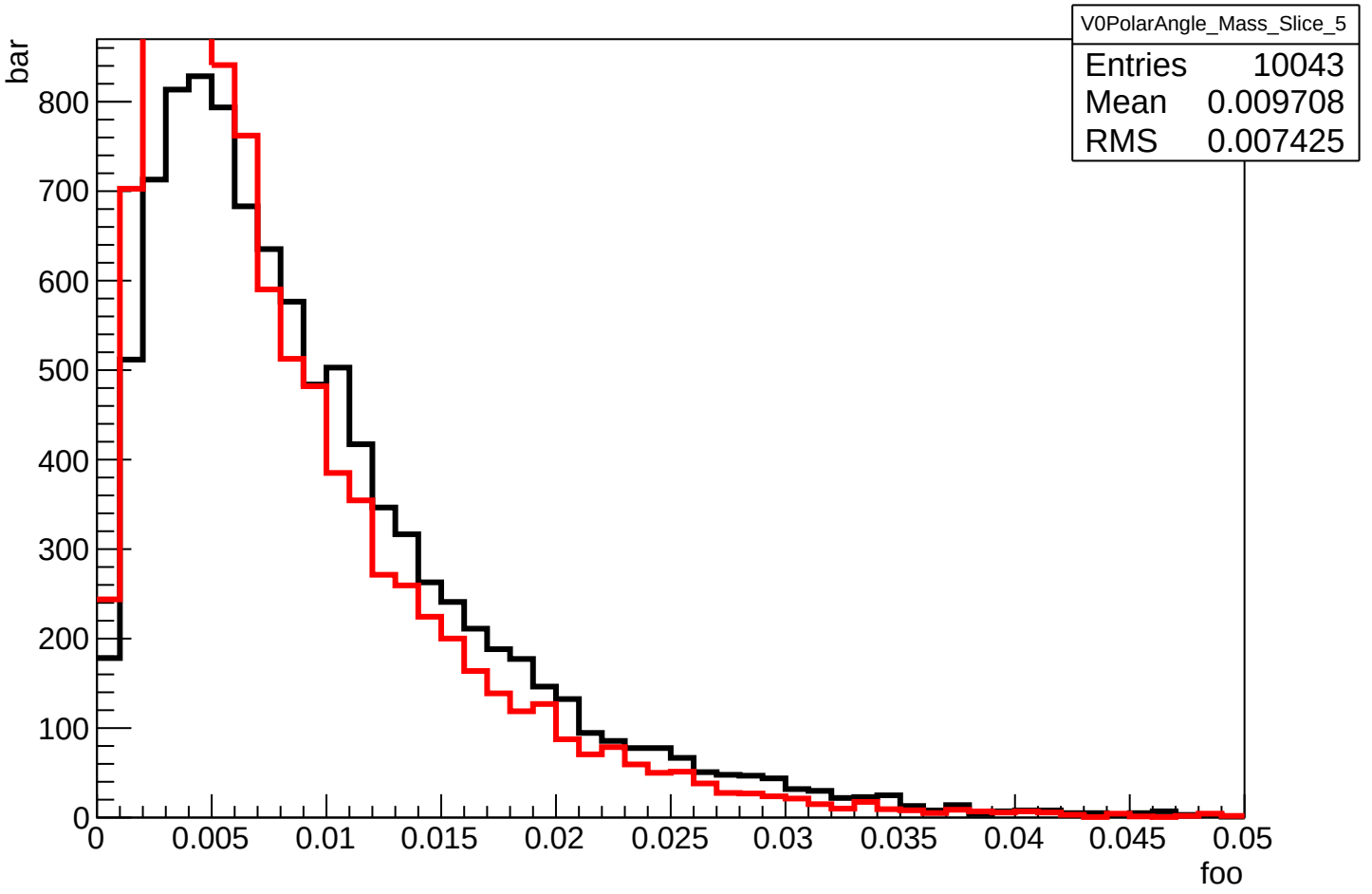

posTheta_Mass_Slice_5
posTheta_Mass_Slice_5
Entries 10043
Mean −0.0009362
RMS 0.03556
bar
0
100
200
300
400
500
600
700
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

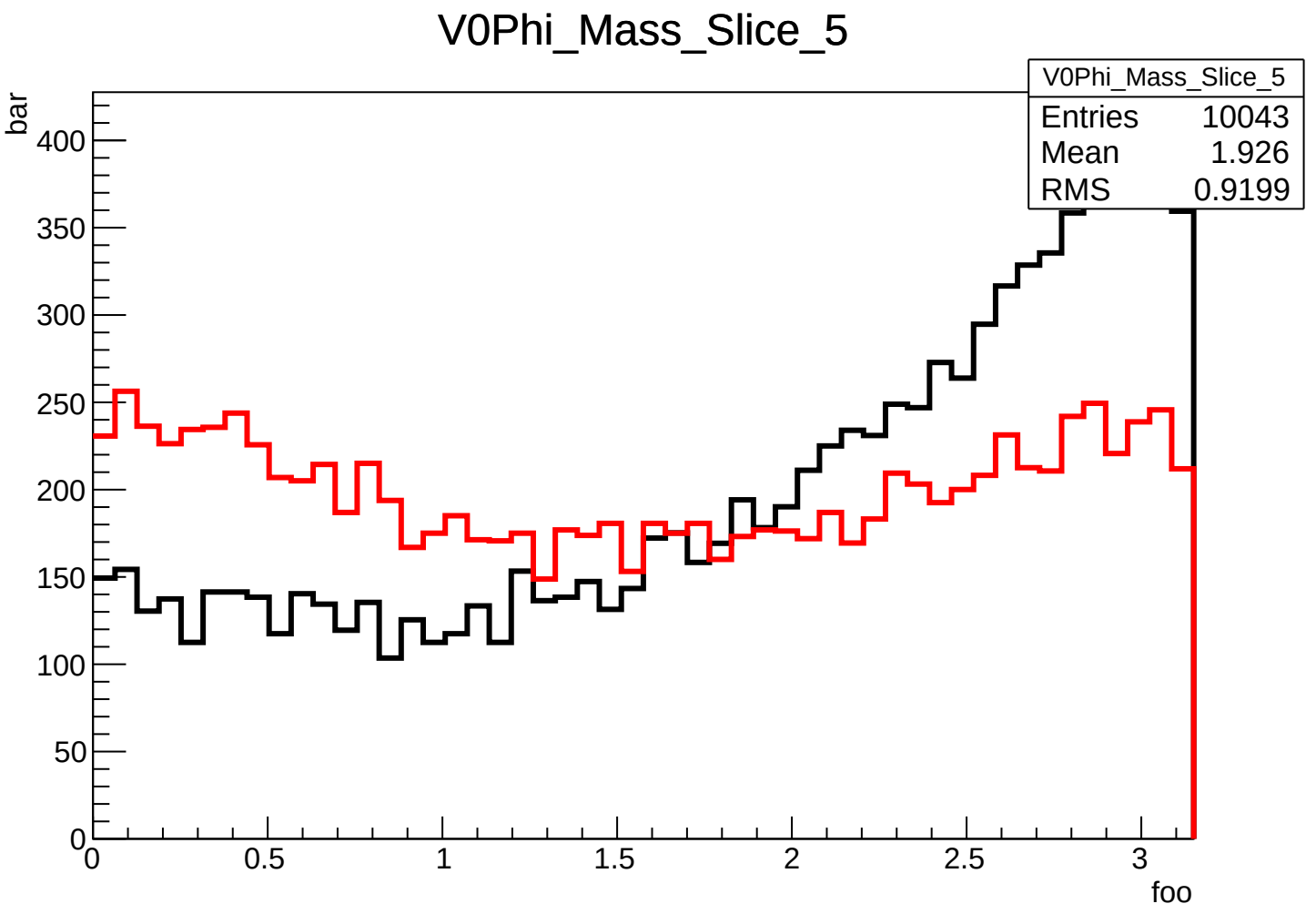

elePhi0_Mass_Slice_5
elePhi0_Mass_Slice_5
Entries 10043
Mean 0.02932
RMS 0.01813
bar
900
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

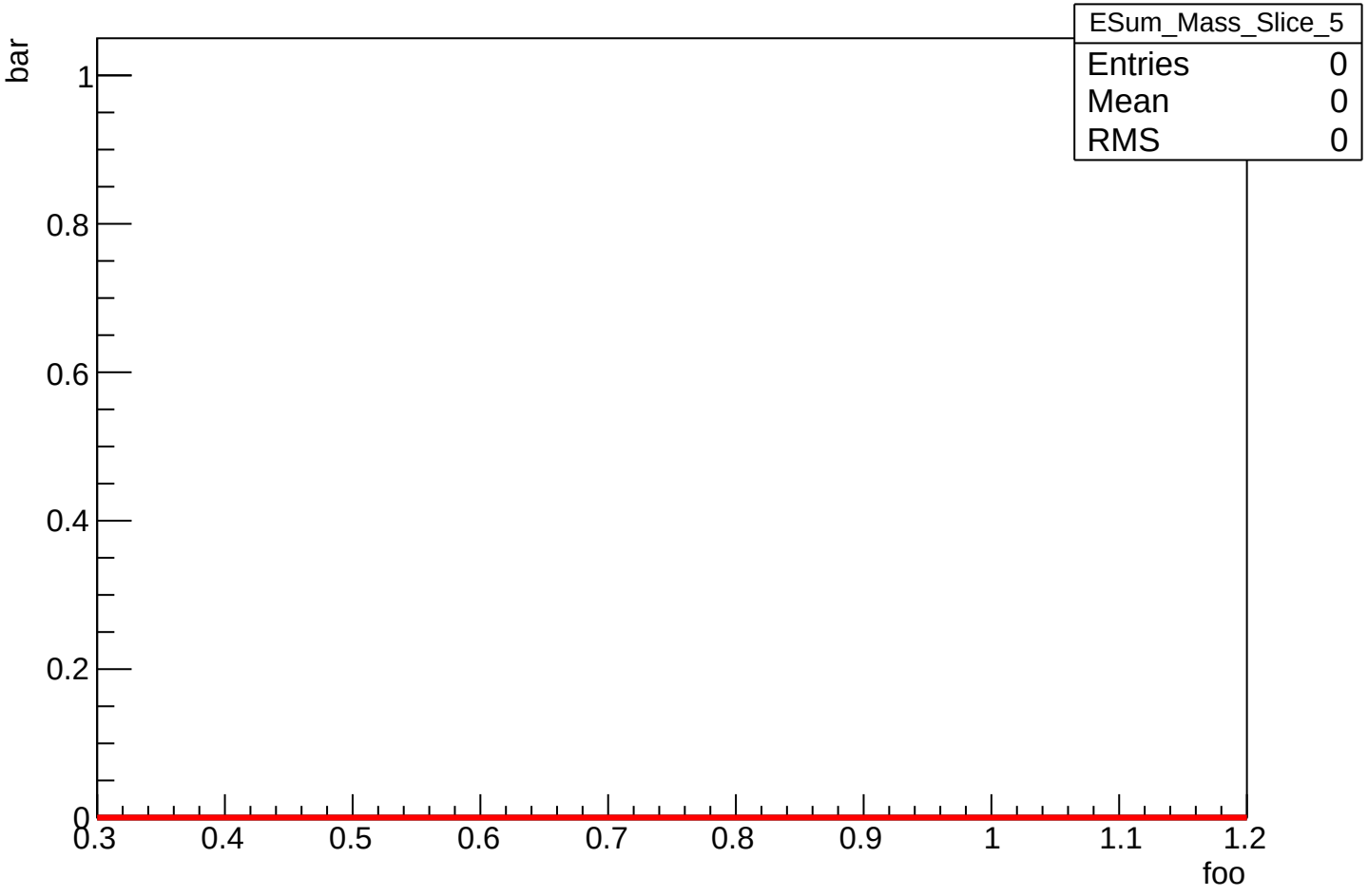

posPhi0_Mass_Slice_5
posPhi0_Mass_Slice_5
Entries 10043
Mean 0.02932
RMS 0.01813
bar
900
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

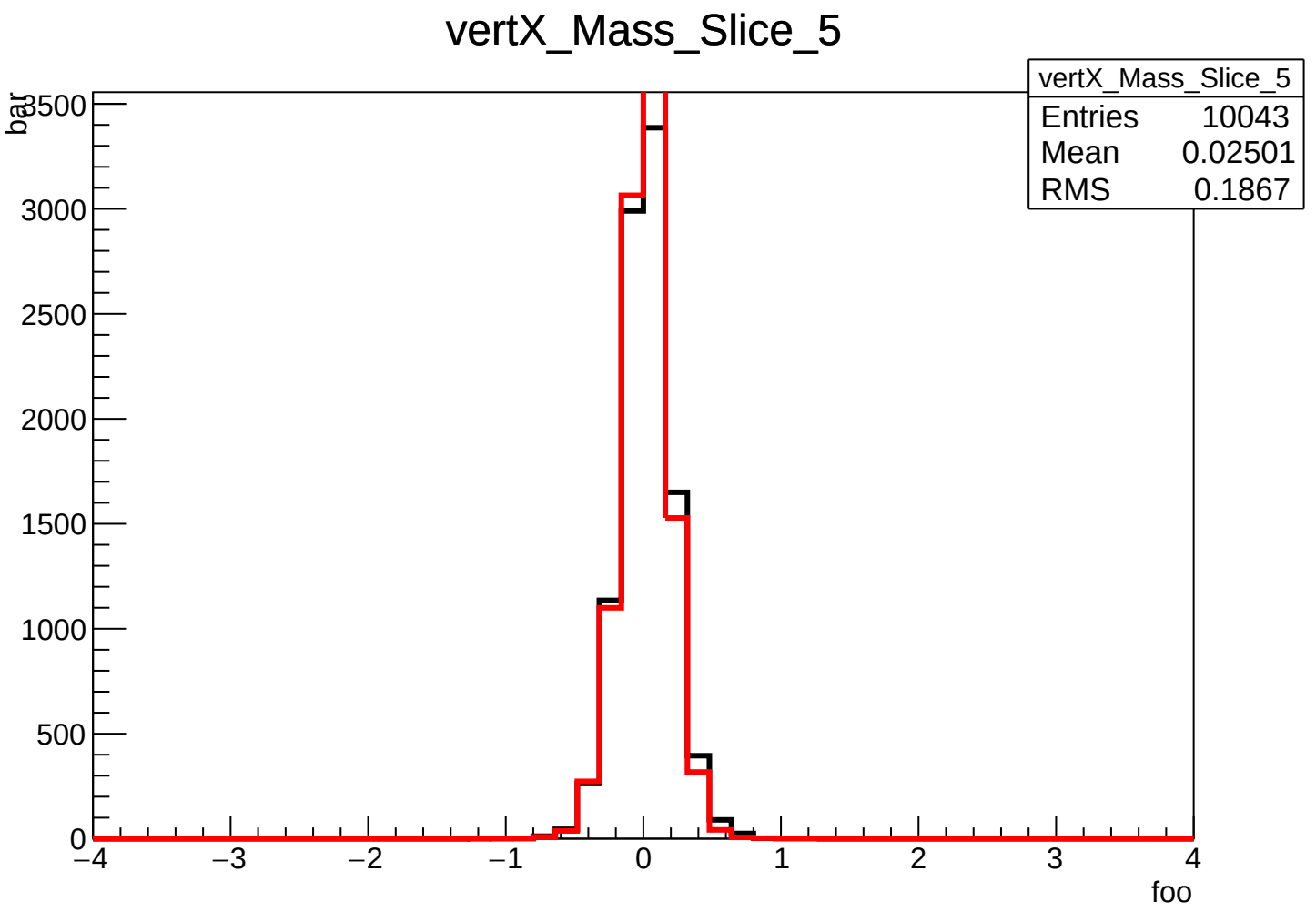

Coplanarity_Mass_Slice_5
Coplanarity_Mass_Slice_5
Entries 10043
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

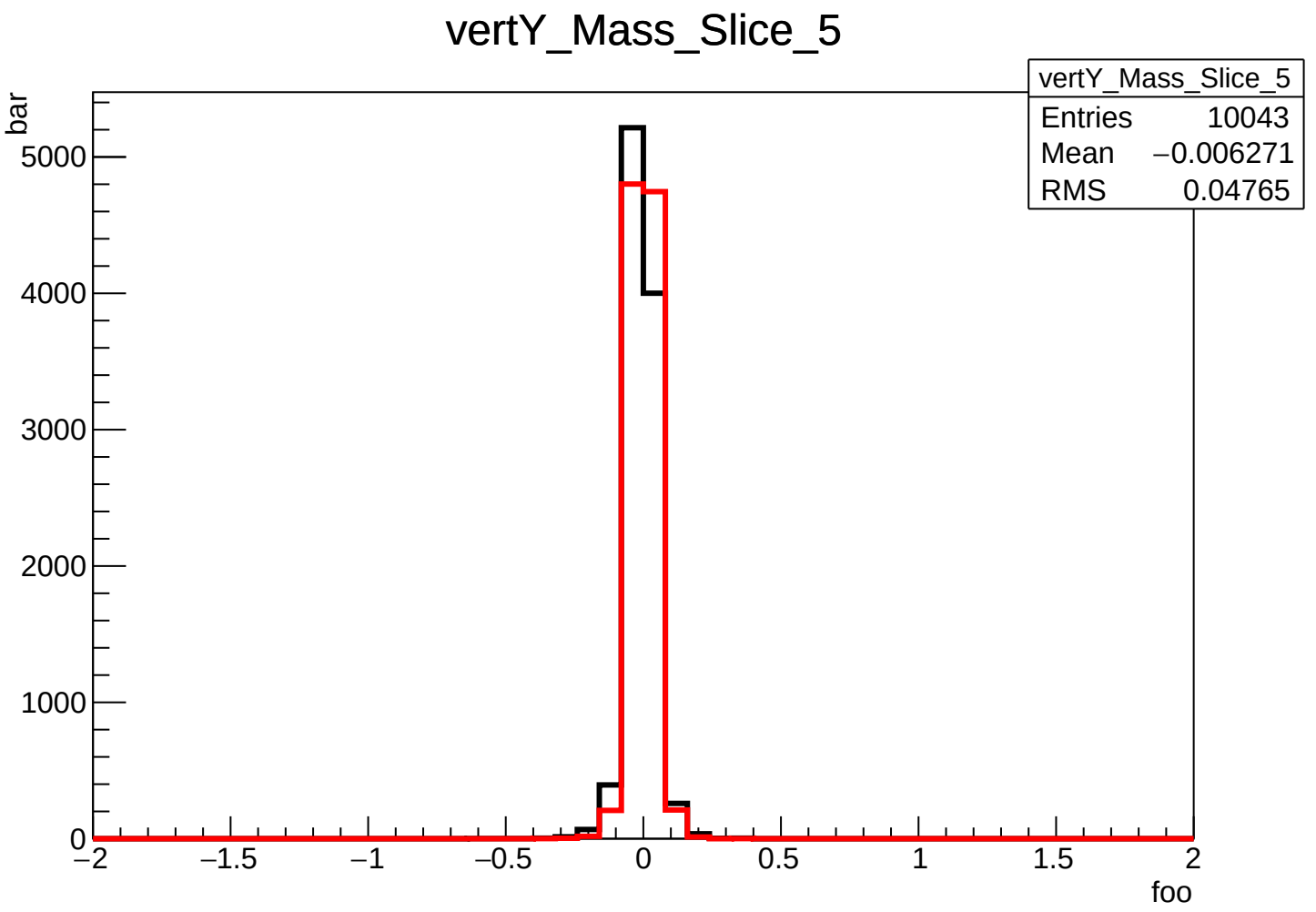

Ediff_Mass_Slice_5
Ediff_Mass_Slice_5
Entries 10043
Mean −0.002612
RMS 0.2449
bar
foo
450
400
350
300
250
200
150
100
50
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8

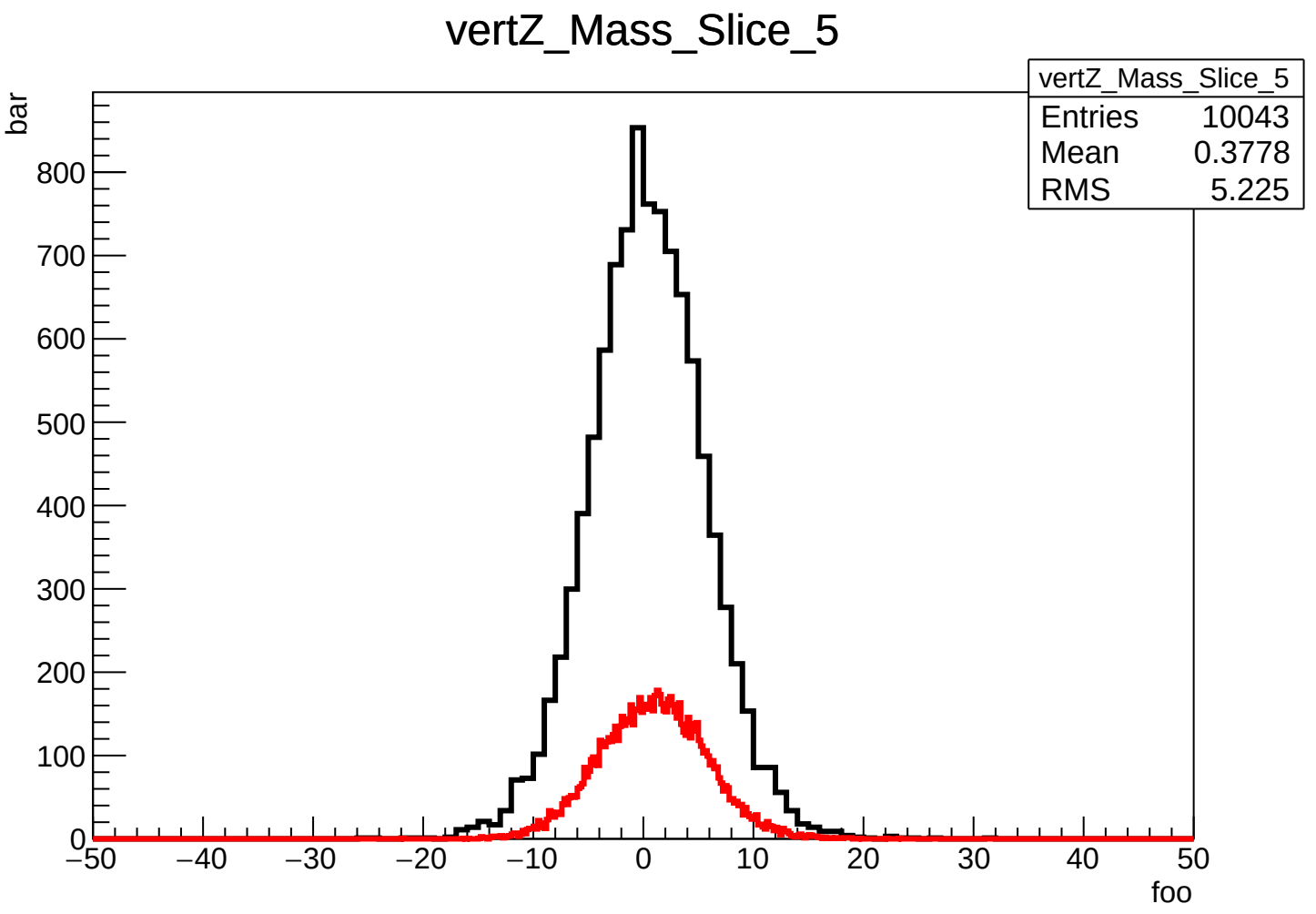

V0PolarAngle_Mass_Slice_5
V0PolarAngle_Mass_Slice_5
Entries 10043
Mean 0.009708
RMS 0.007425
bar
foo
0
100
200
300
400
500
600
700
800
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

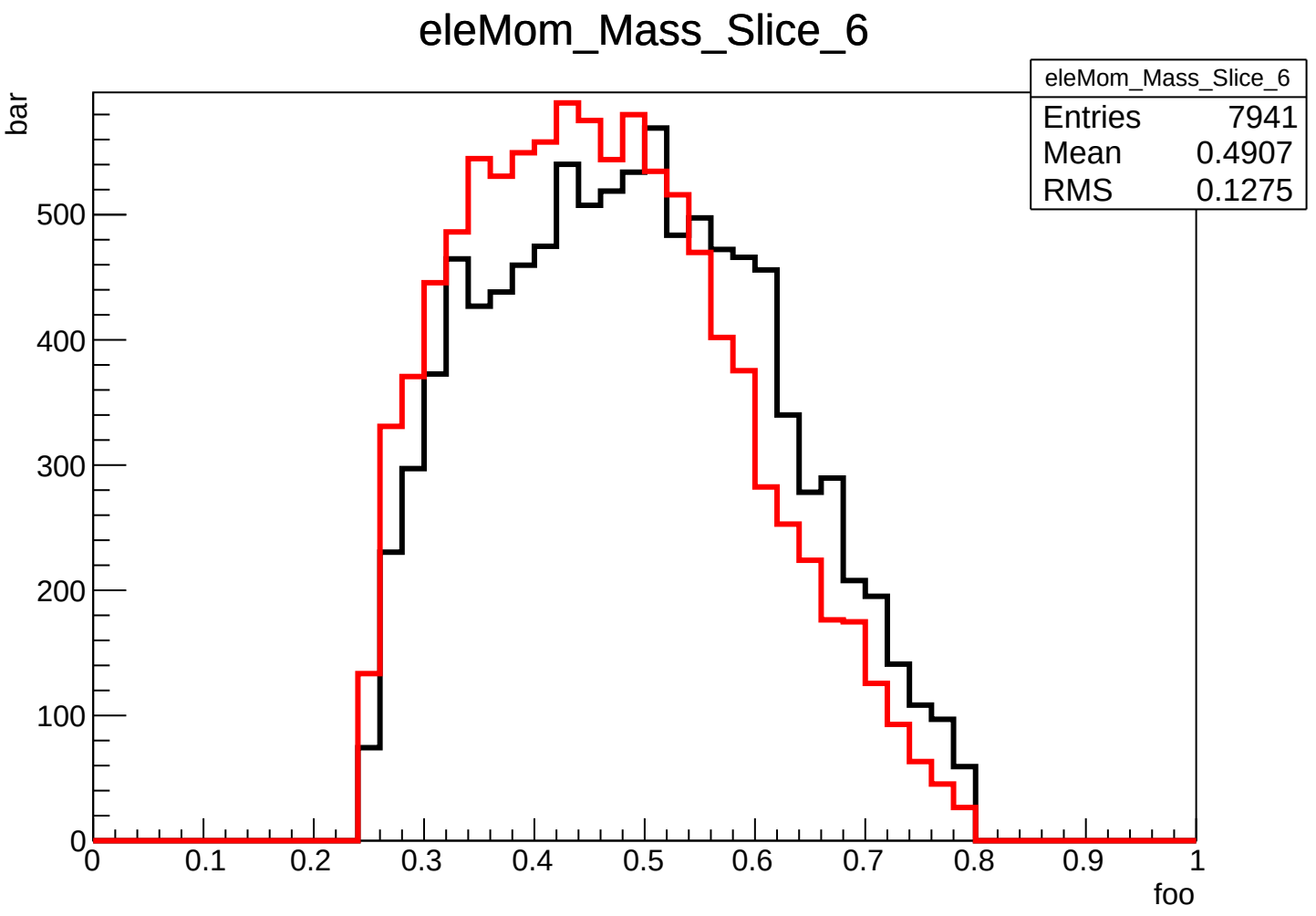

V0Phi_Mass_Slice_5
V0Phi_Mass_Slice_5
Entries 10043
Mean 1.926
RMS 0.9199
bar
foo
0
50
100
150
200
250
300
350
400
0
0.5
1
1.5
2
2.5
3

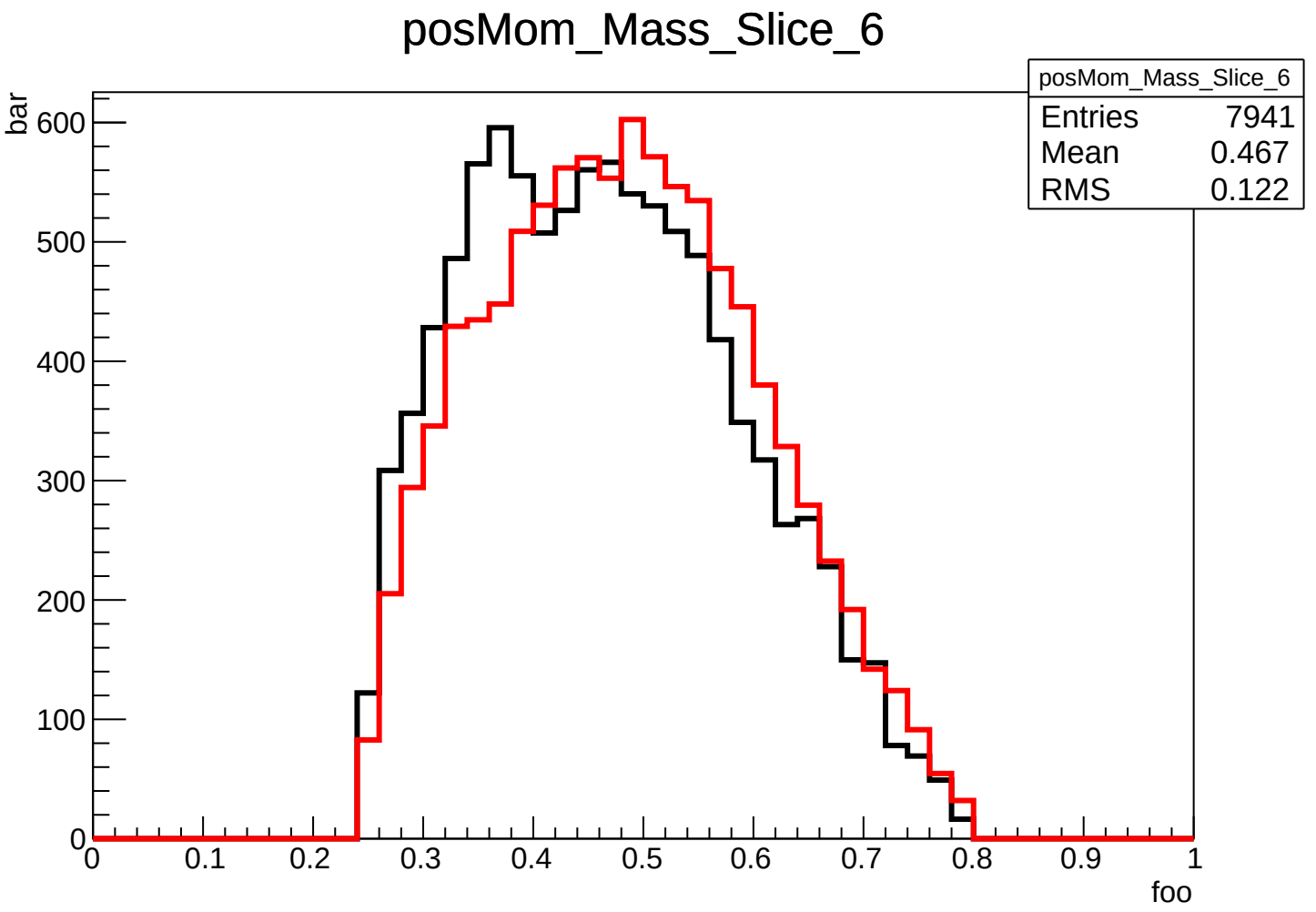

ESum_Mass_Slice_5
ESum_Mass_Slice_5
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

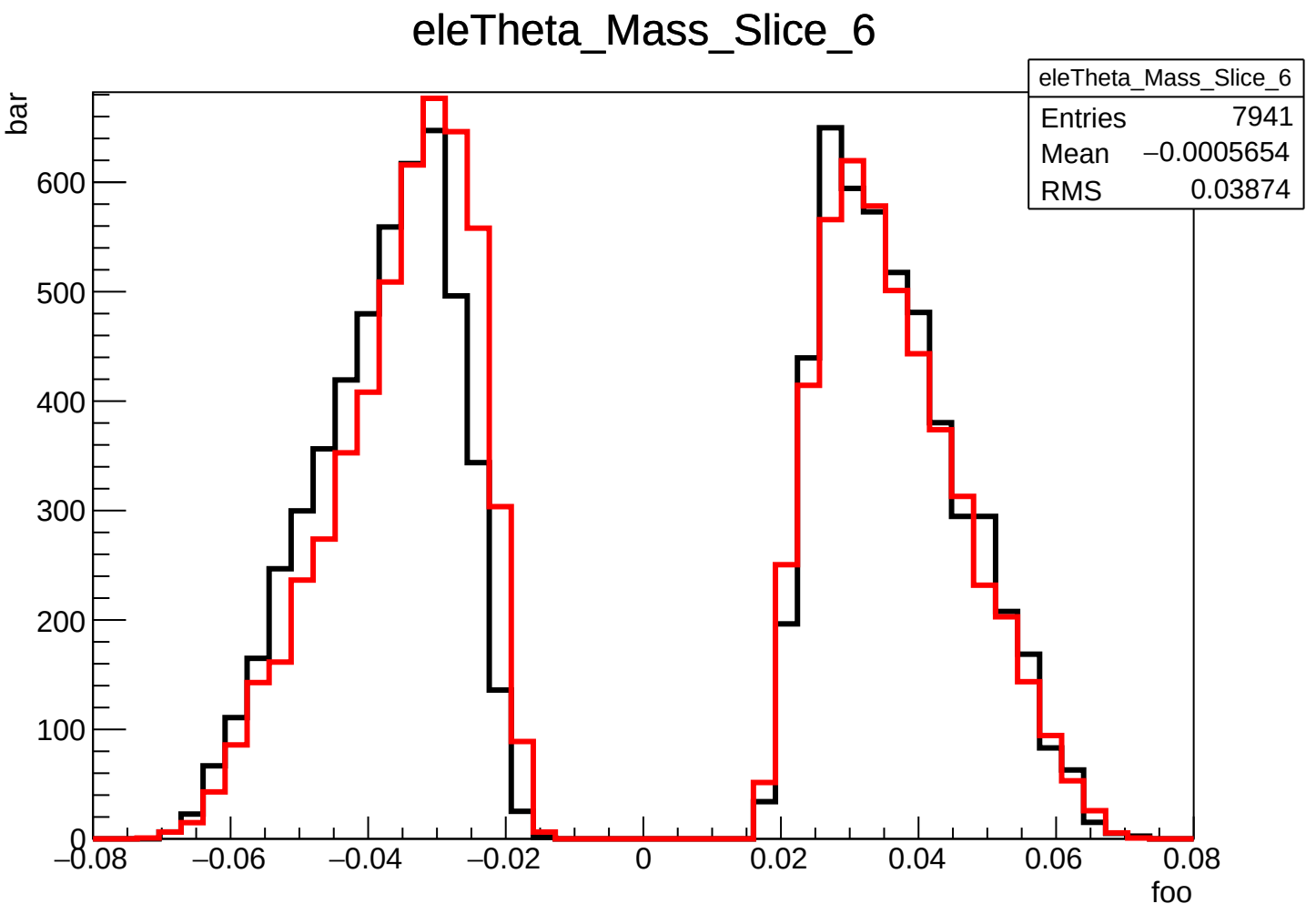

vertX_Mass_Slice_5
vertX_Mass_Slice_5
Entries 10043
Mean 0.02501
RMS 0.1867
bar
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

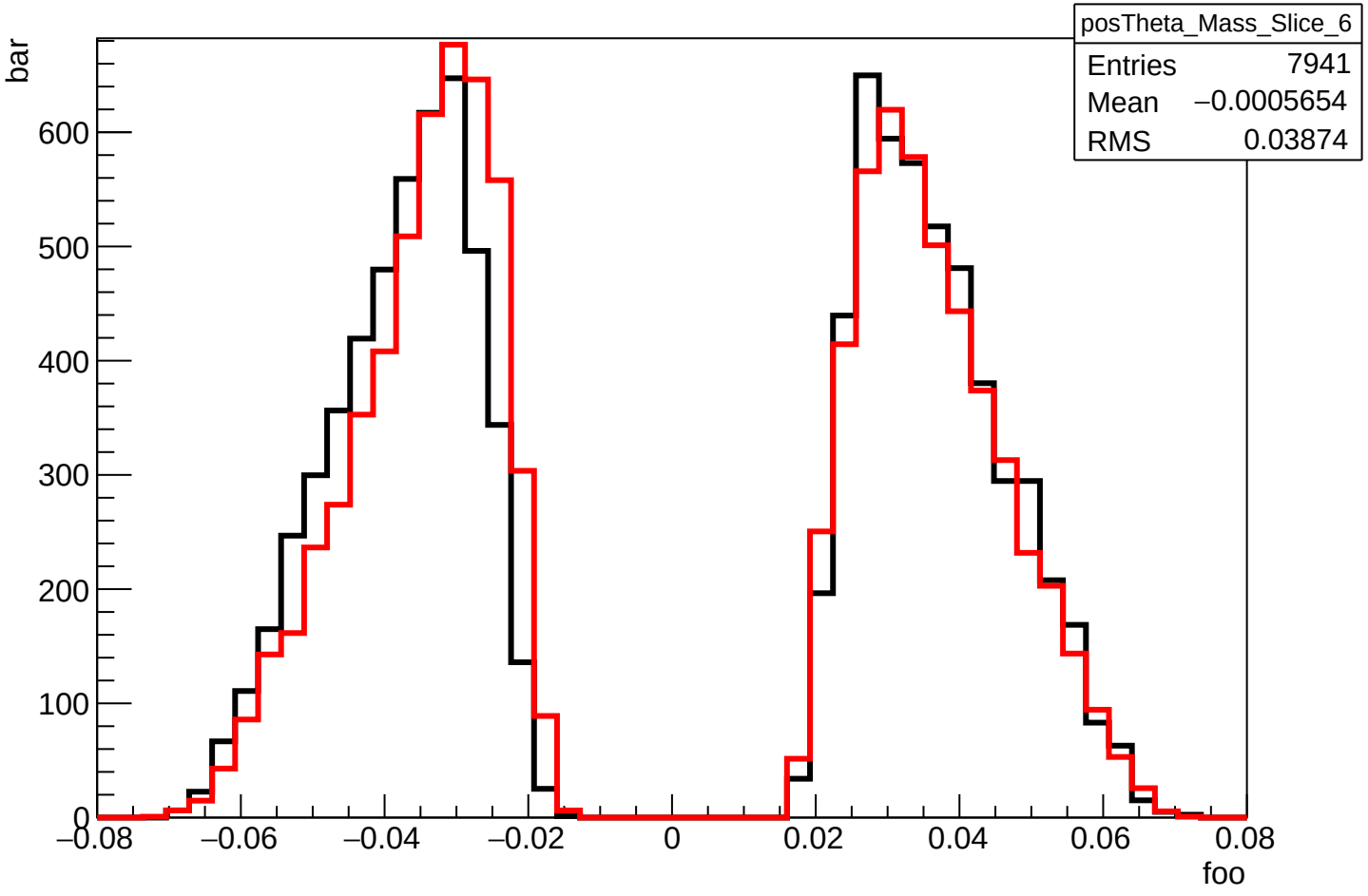

vertY_Mass_Slice_5
vertY_Mass_Slice_5
Entries 10043
Mean −0.006271
RMS 0.04765
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

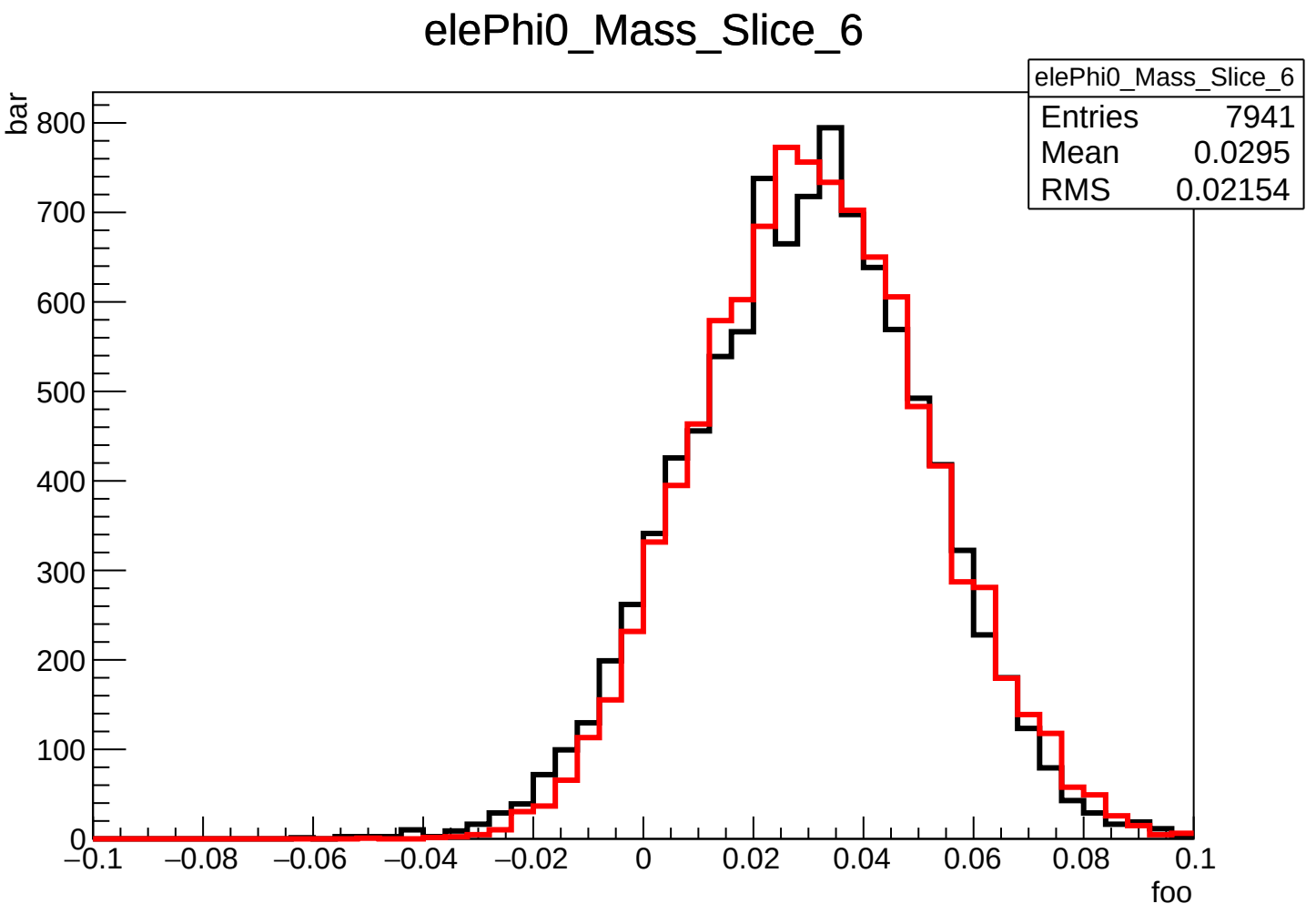

vertZ_Mass_Slice_5
vertZ_Mass_Slice_5
Entries 10043
Mean 0.3778
RMS 5.225
bar
800
700
600
500
400
300
200
100
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

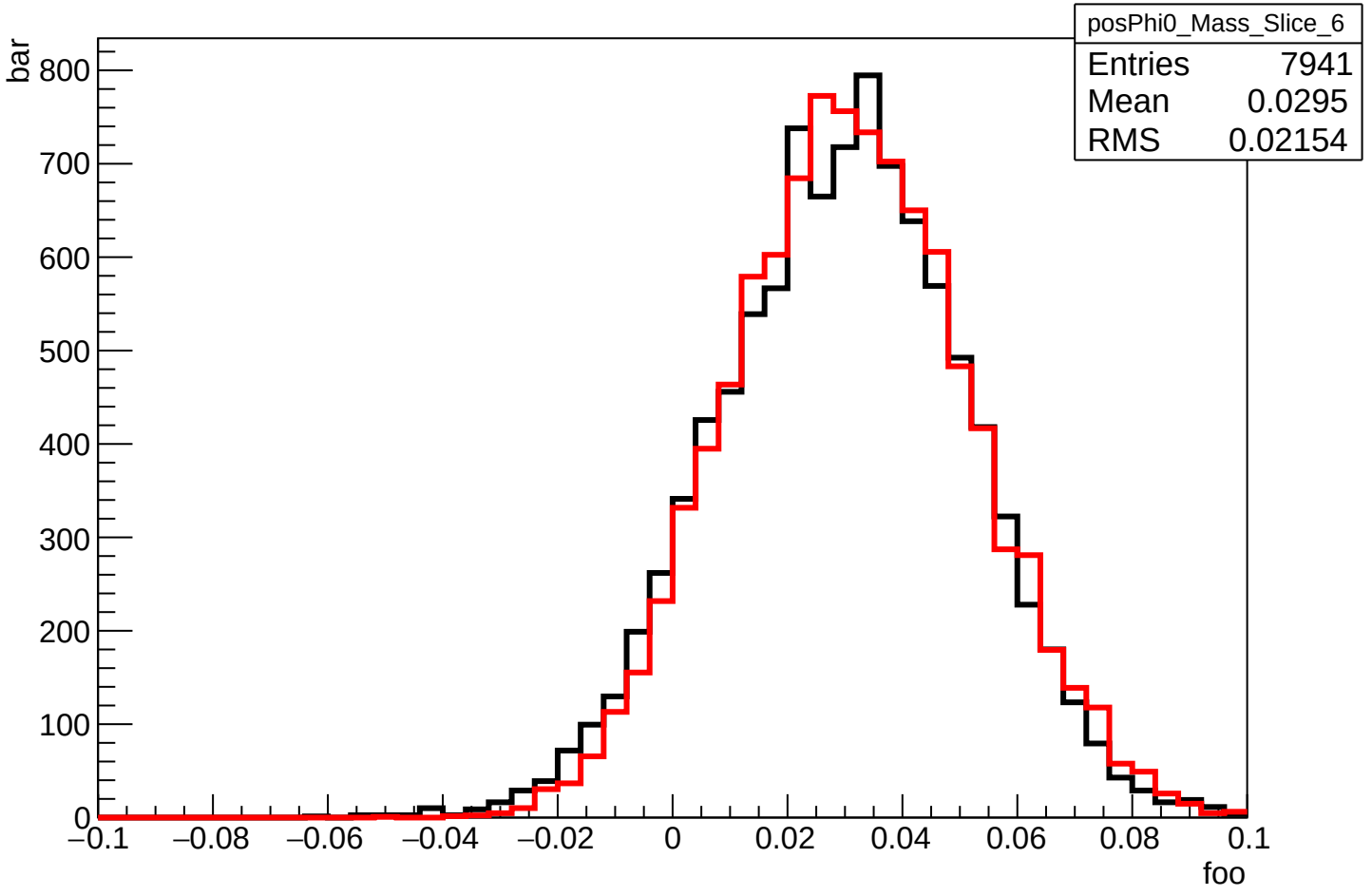

eleMom_Mass_Slice_6
eleMom_Mass_Slice_6
Entries 7941
Mean 0.4907
RMS 0.1275
bar
0
100
200
300
400
500
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

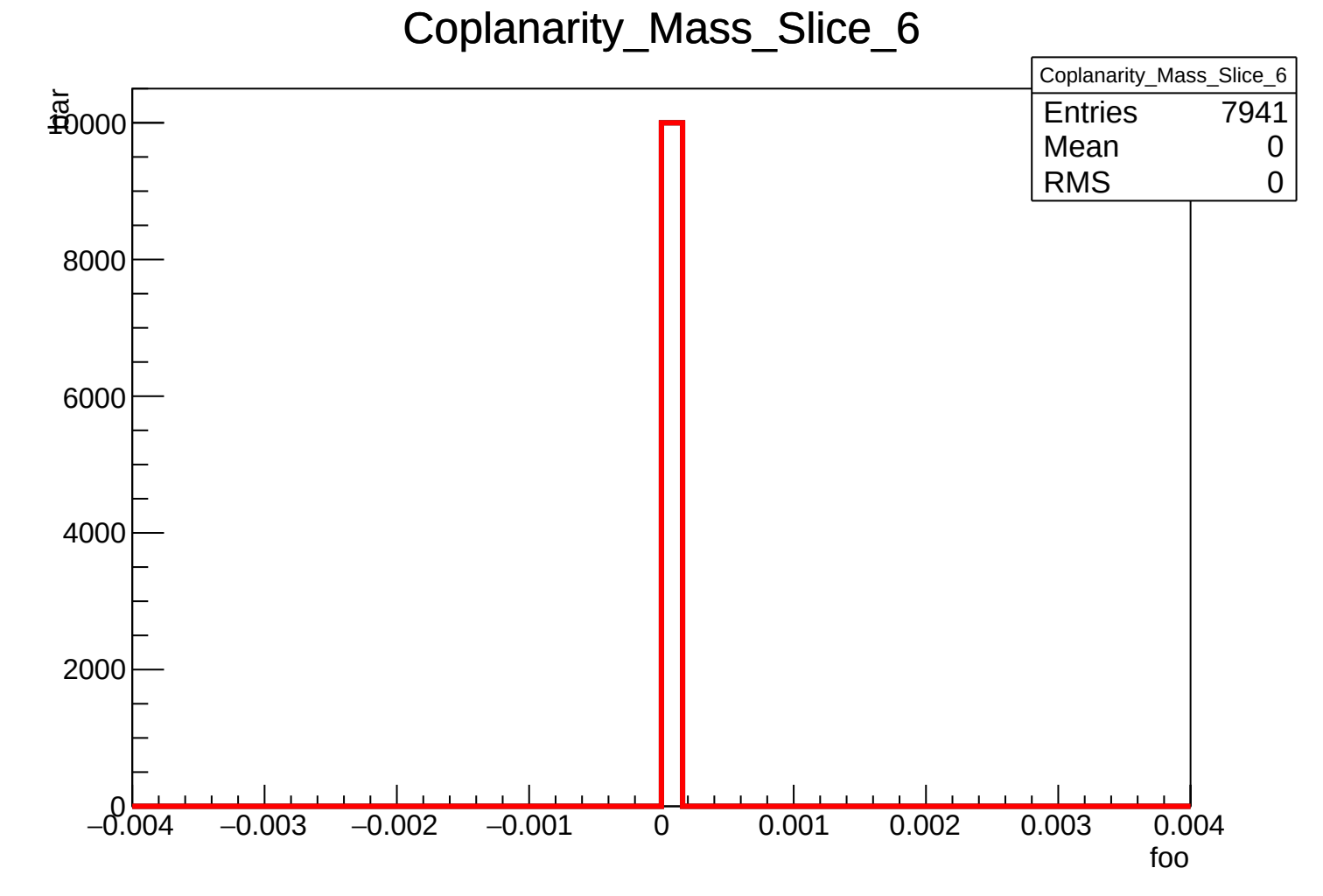

posMom_Mass_Slice_6
posMom_Mass_Slice_6
Entries 7941
Mean 0.467
RMS 0.122
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

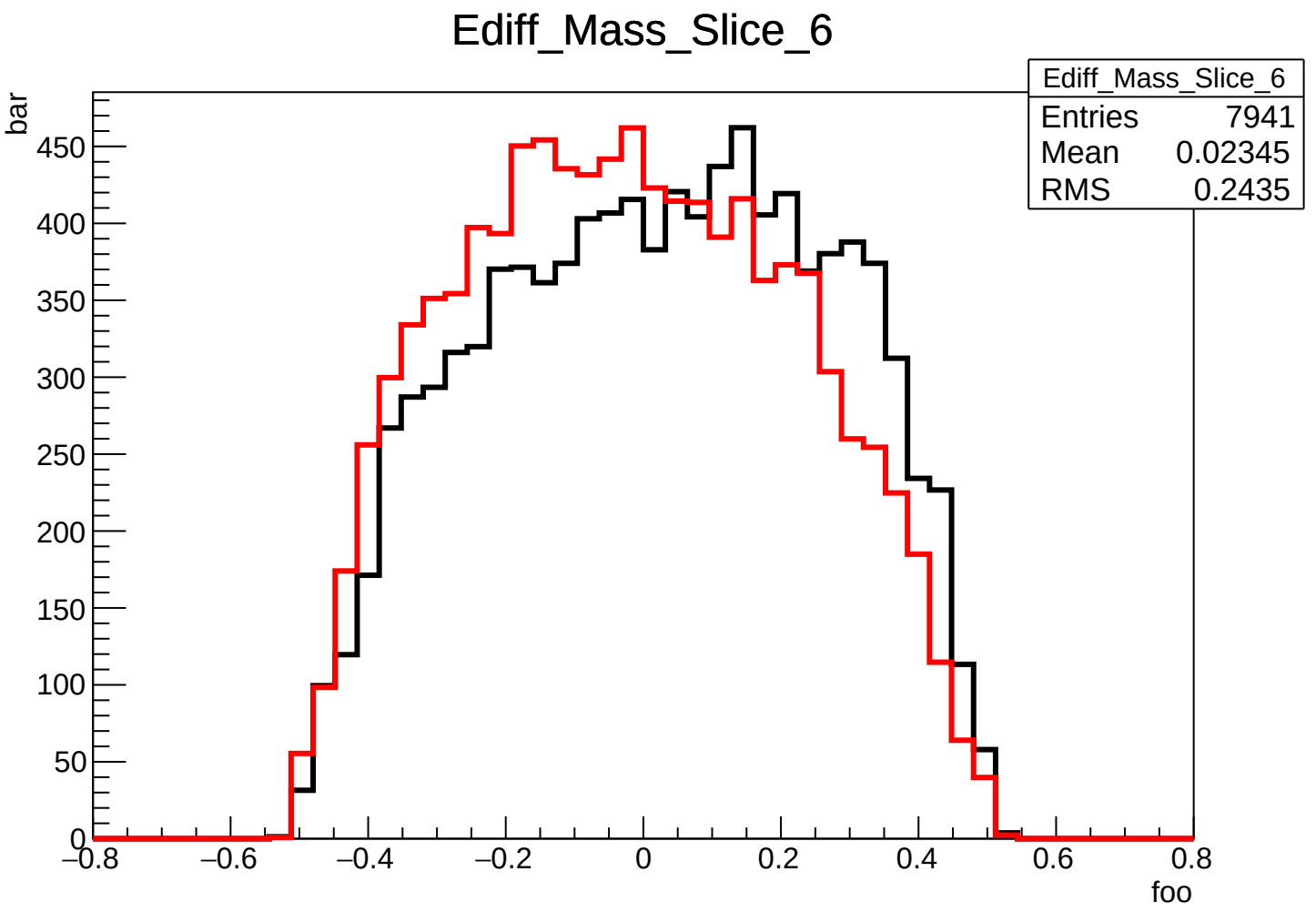

eleTheta_Mass_Slice_6
eleTheta_Mass_Slice_6
Entries 7941
Mean −0.0005654
RMS 0.03874
bar
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

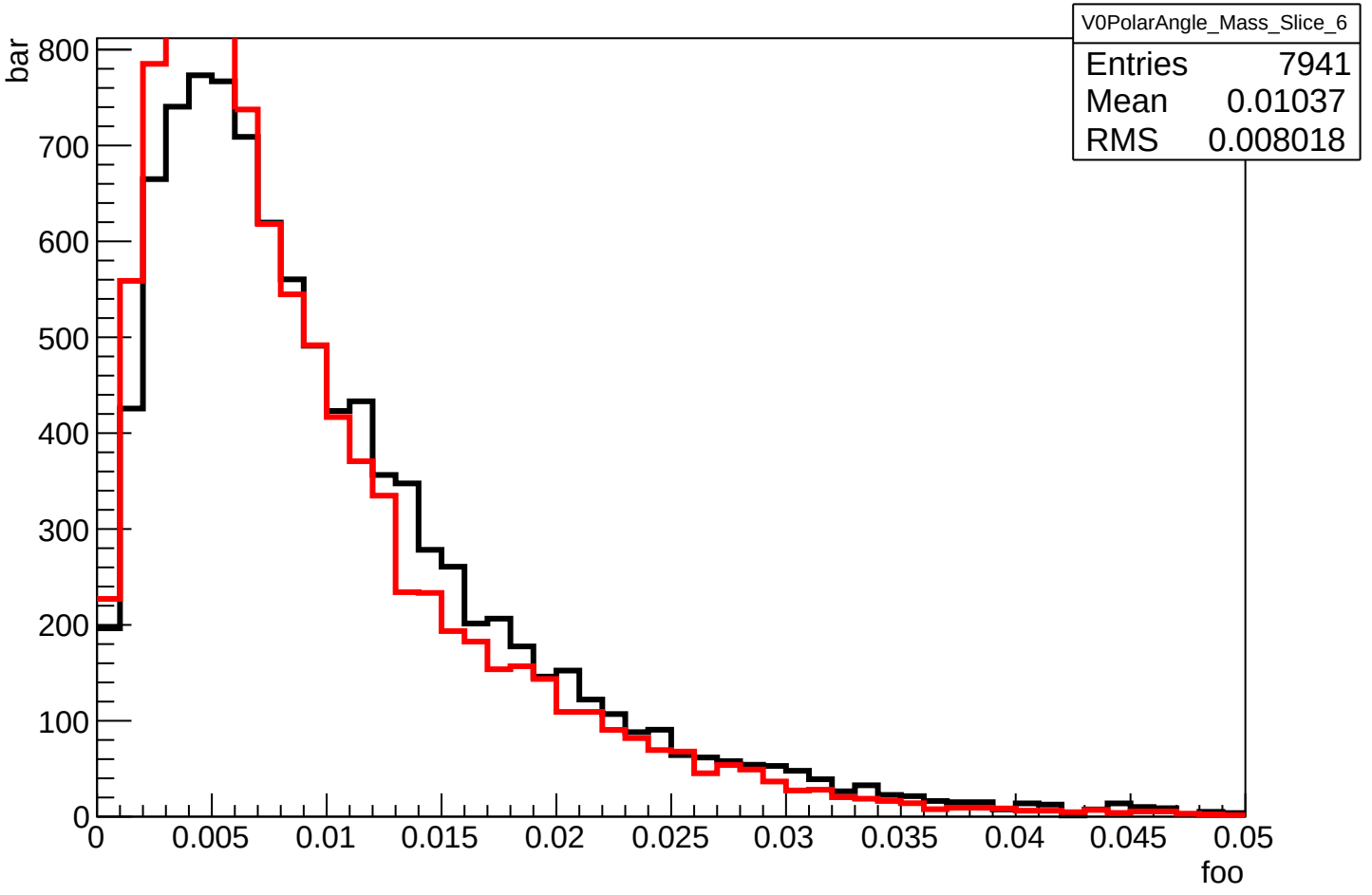

posTheta_Mass_Slice_6
posTheta_Mass_Slice_6
Entries 7941
Mean −0.0005654
RMS 0.03874
bar
0
100
200
300
400
500
600
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

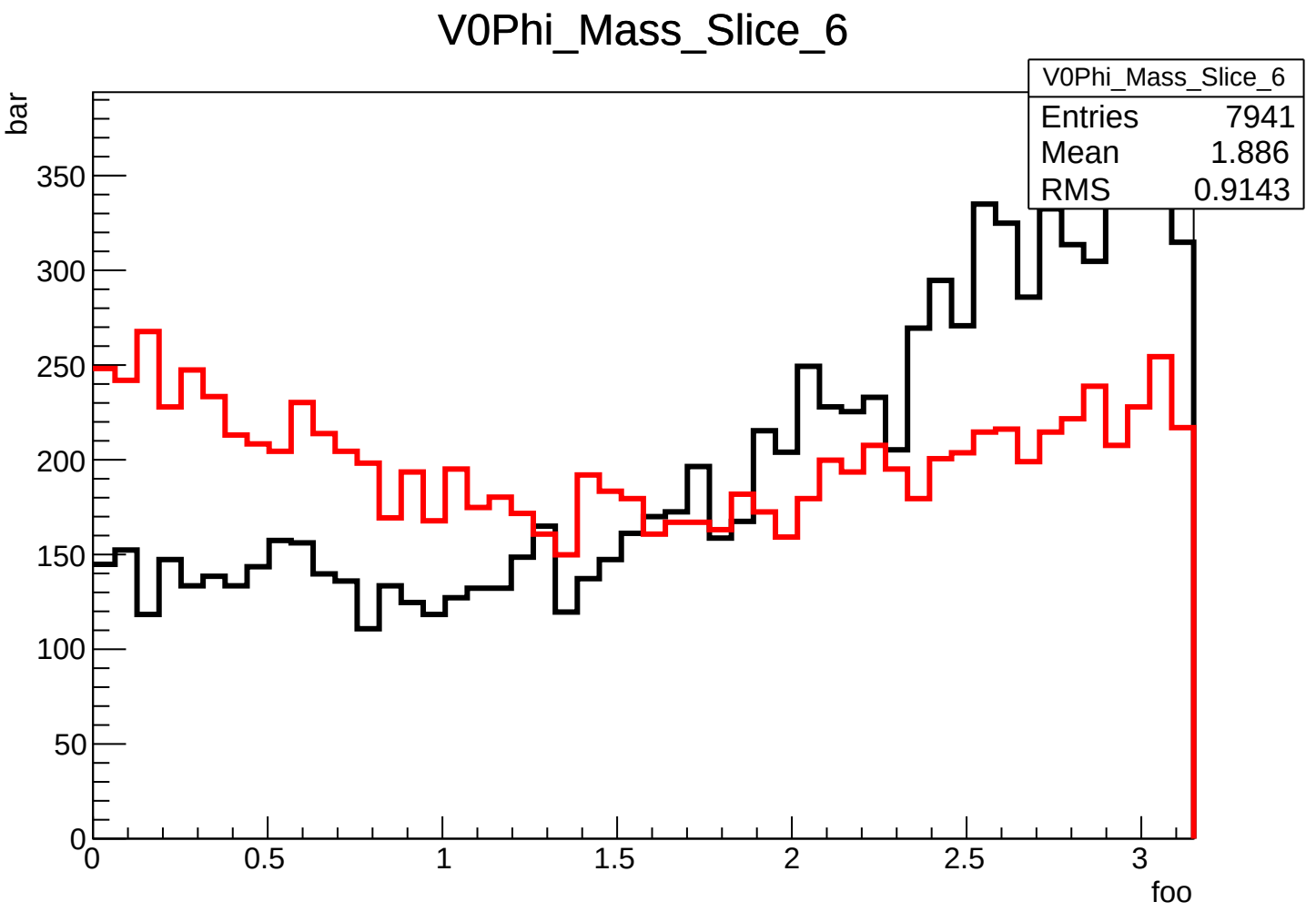

elePhi0_Mass_Slice_6
elePhi0_Mass_Slice_6
Entries 7941
Mean 0.0295
RMS 0.02154
bar
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

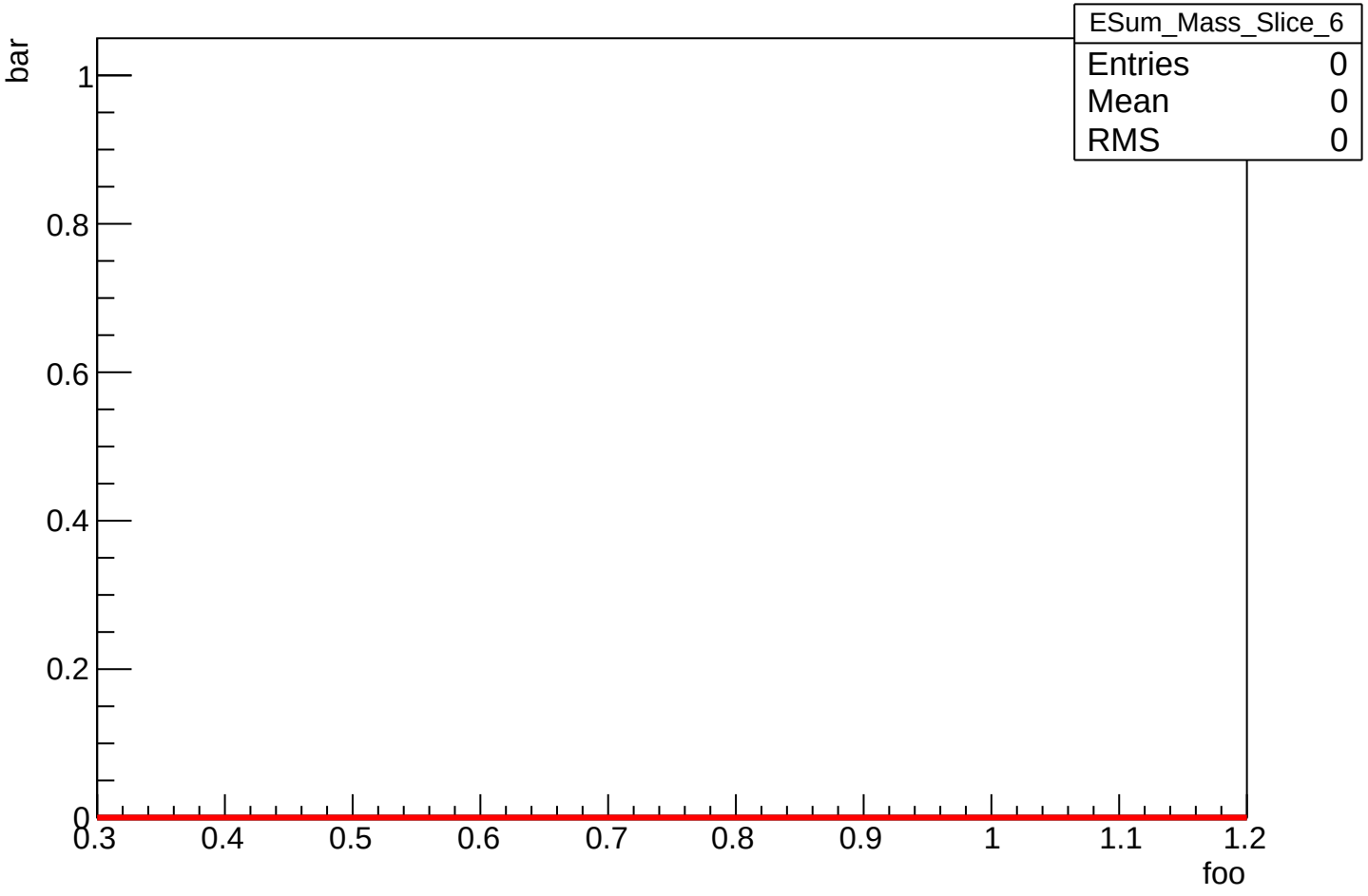

posPhi0_Mass_Slice_6
posPhi0_Mass_Slice_6
Entries 7941
Mean 0.0295
RMS 0.02154
bar
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

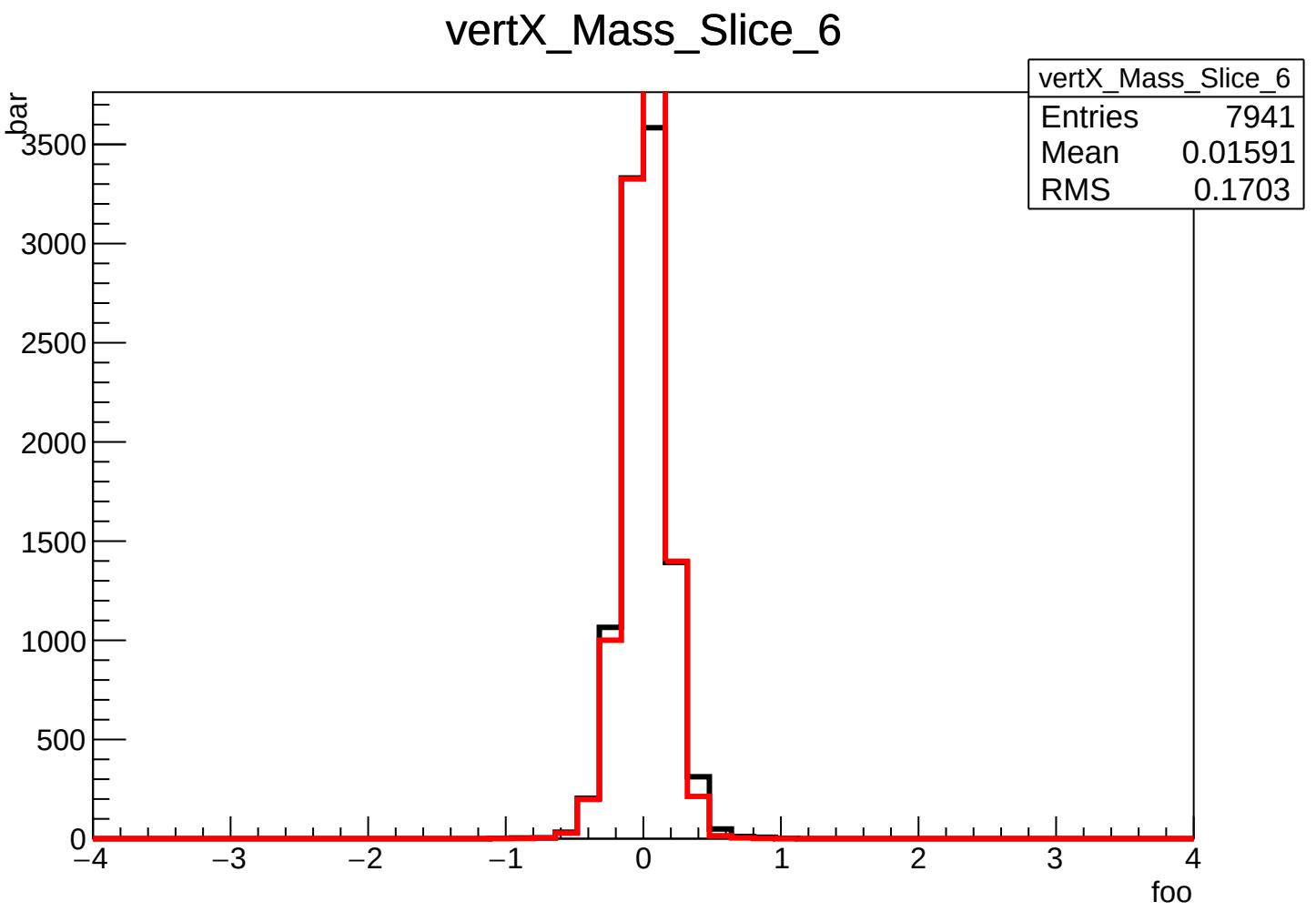

Coplanarity_Mass_Slice_6
Coplanarity_Mass_Slice_6
Entries 7941
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

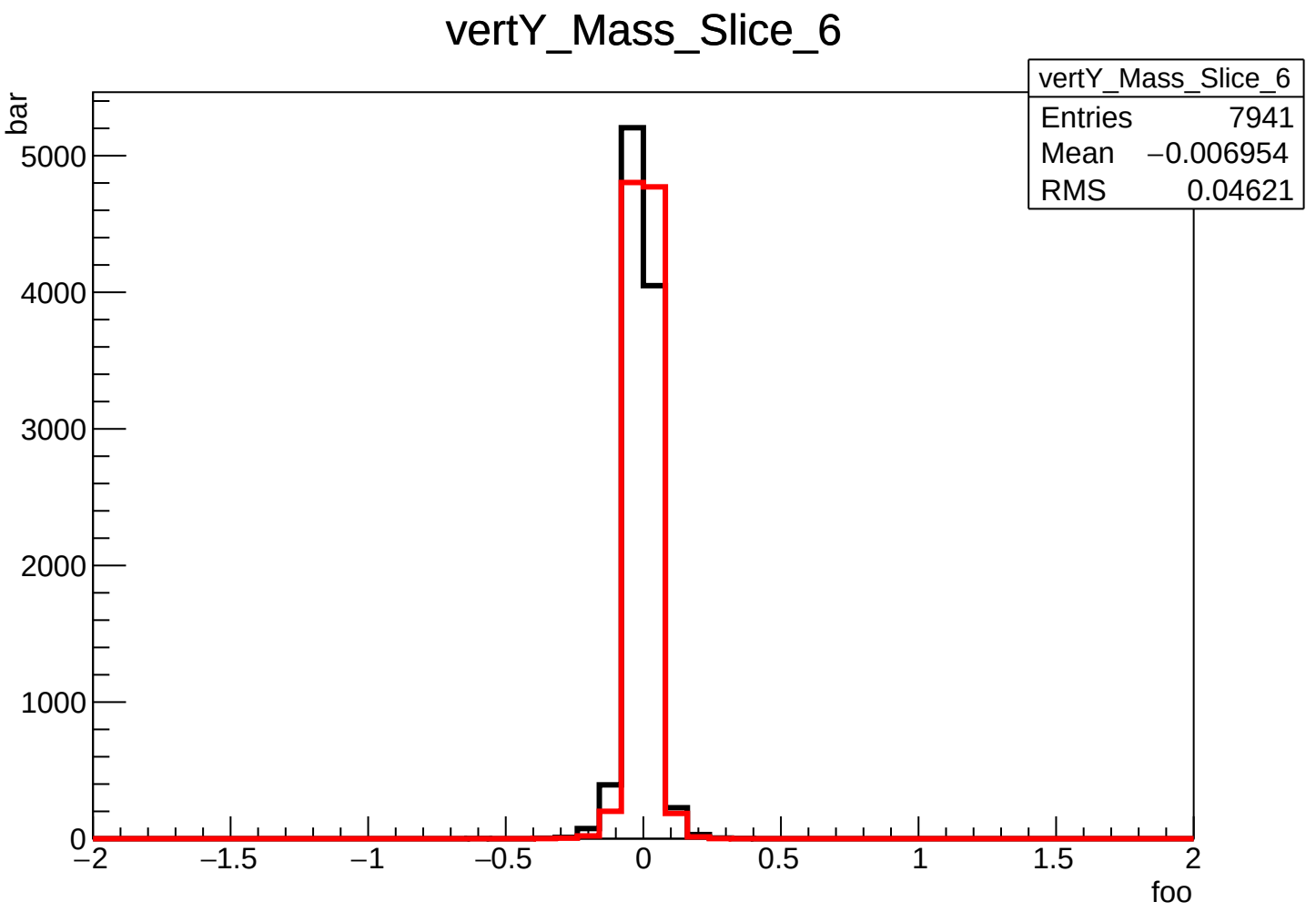

Ediff_Mass_Slice_6
Ediff_Mass_Slice_6
Entries 7941
Mean 0.02345
RMS 0.2435
bar
foo
0
50
100
150
200
250
300
350
400
450
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8

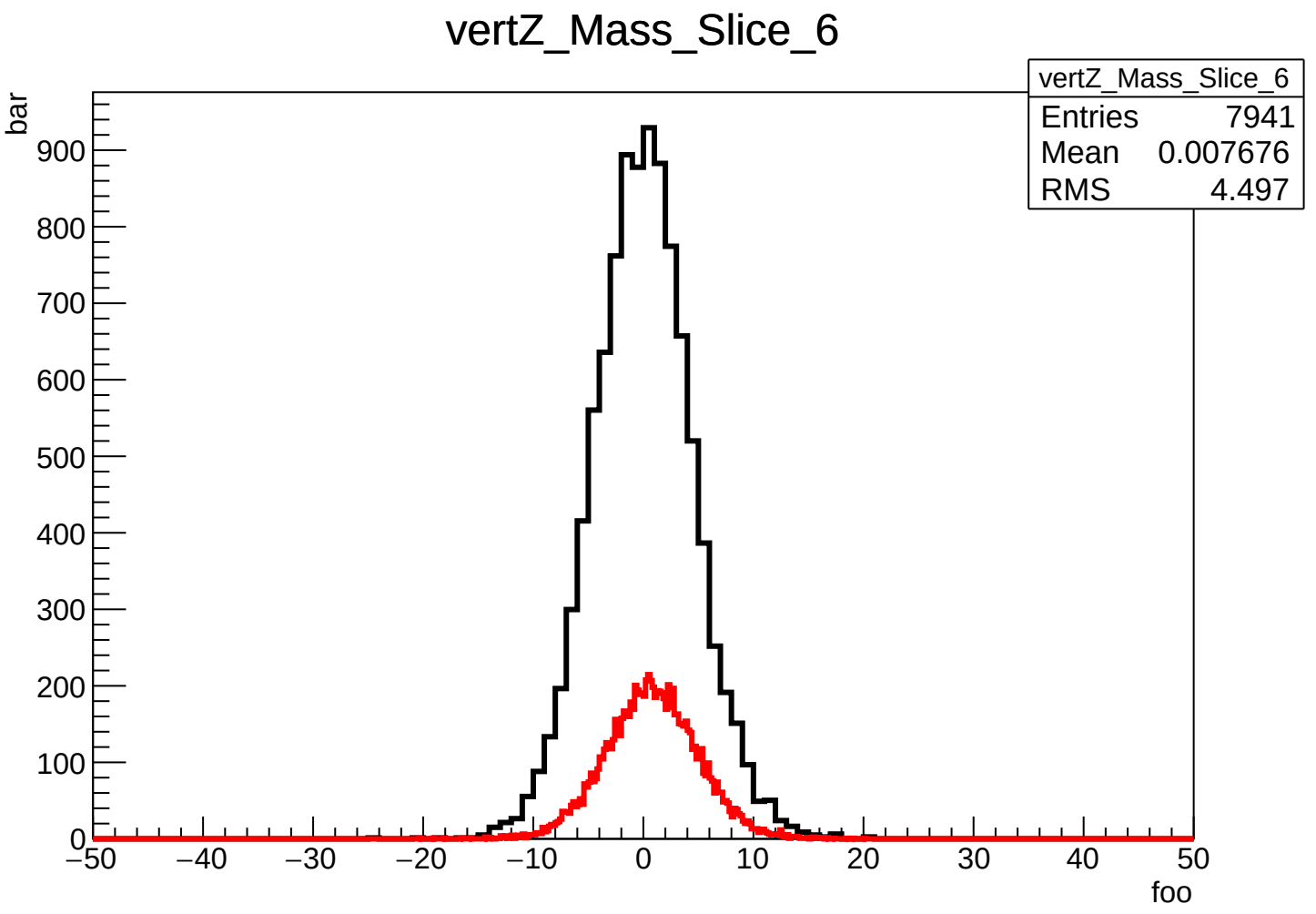

V0PolarAngle_Mass_Slice_6
V0PolarAngle_Mass_Slice_6
Entries 7941
Mean 0.01037
RMS 0.008018
bar
foo
0
100
200
300
400
500
600
700
800
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

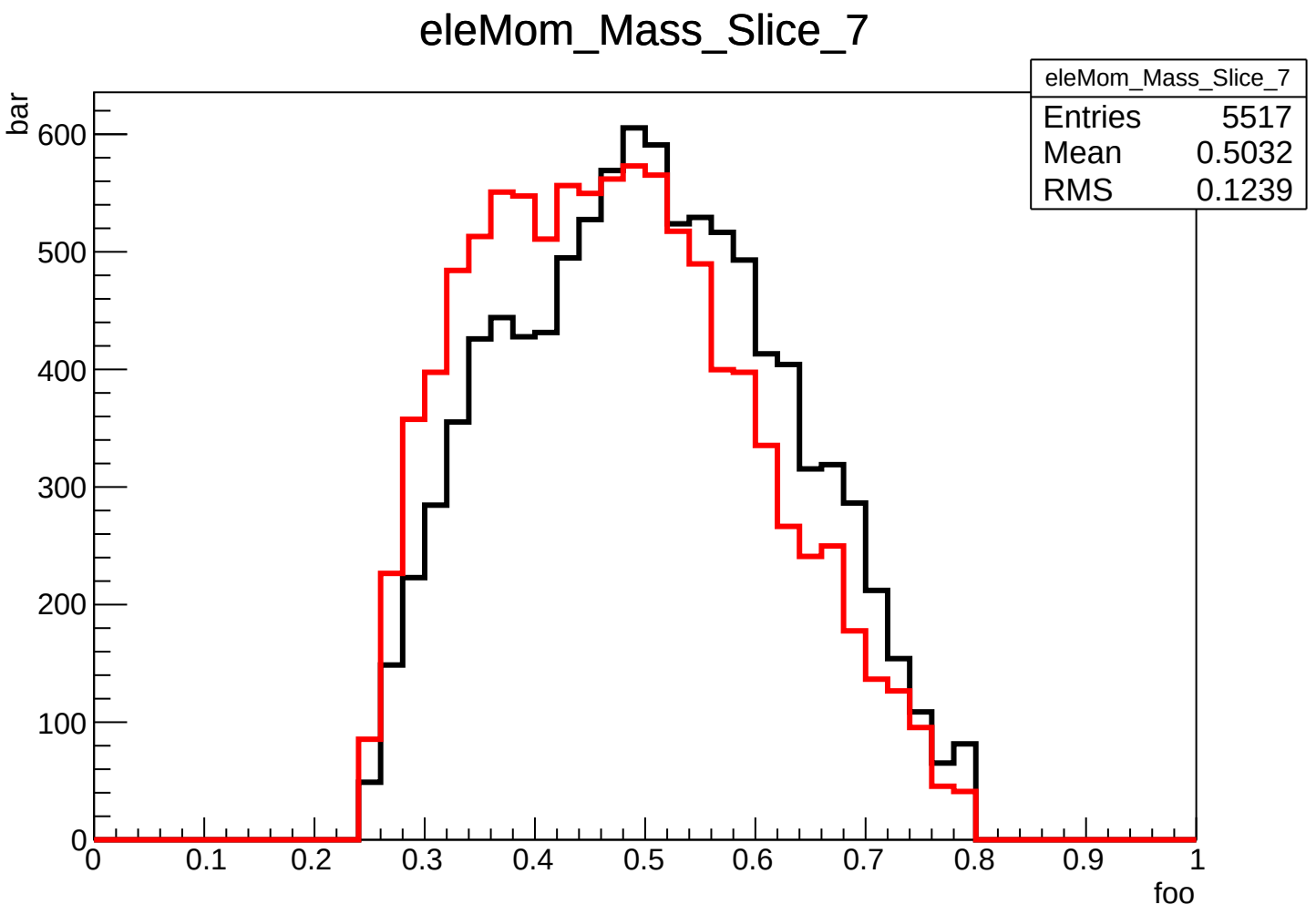

V0Phi_Mass_Slice_6
V0Phi_Mass_Slice_6
Entries 7941
Mean 1.886
RMS 0.9143
bar
foo
0
50
100
150
200
250
300
350
0
0.5
1
1.5
2
2.5
3

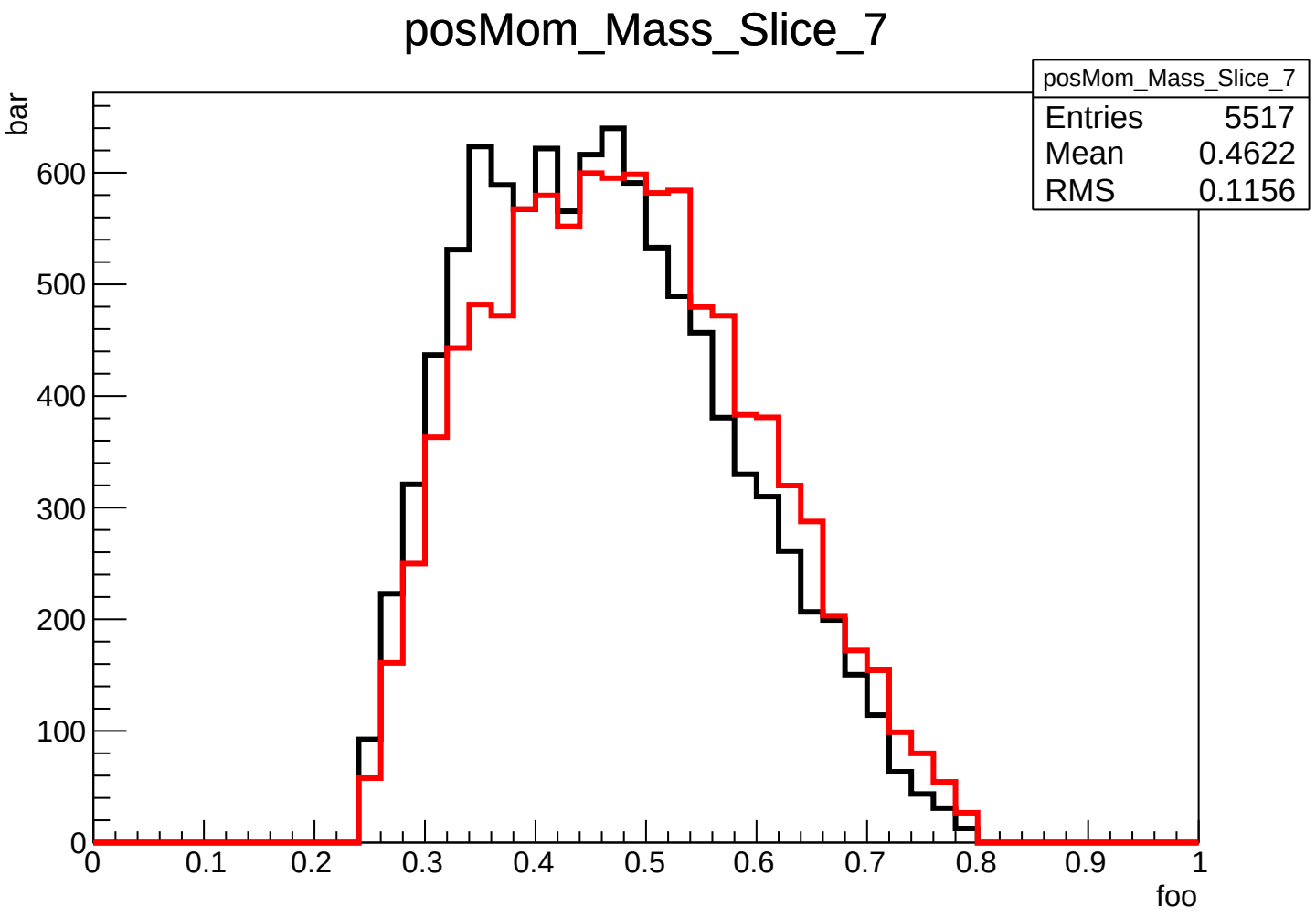

ESum_Mass_Slice_6
ESum_Mass_Slice_6
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

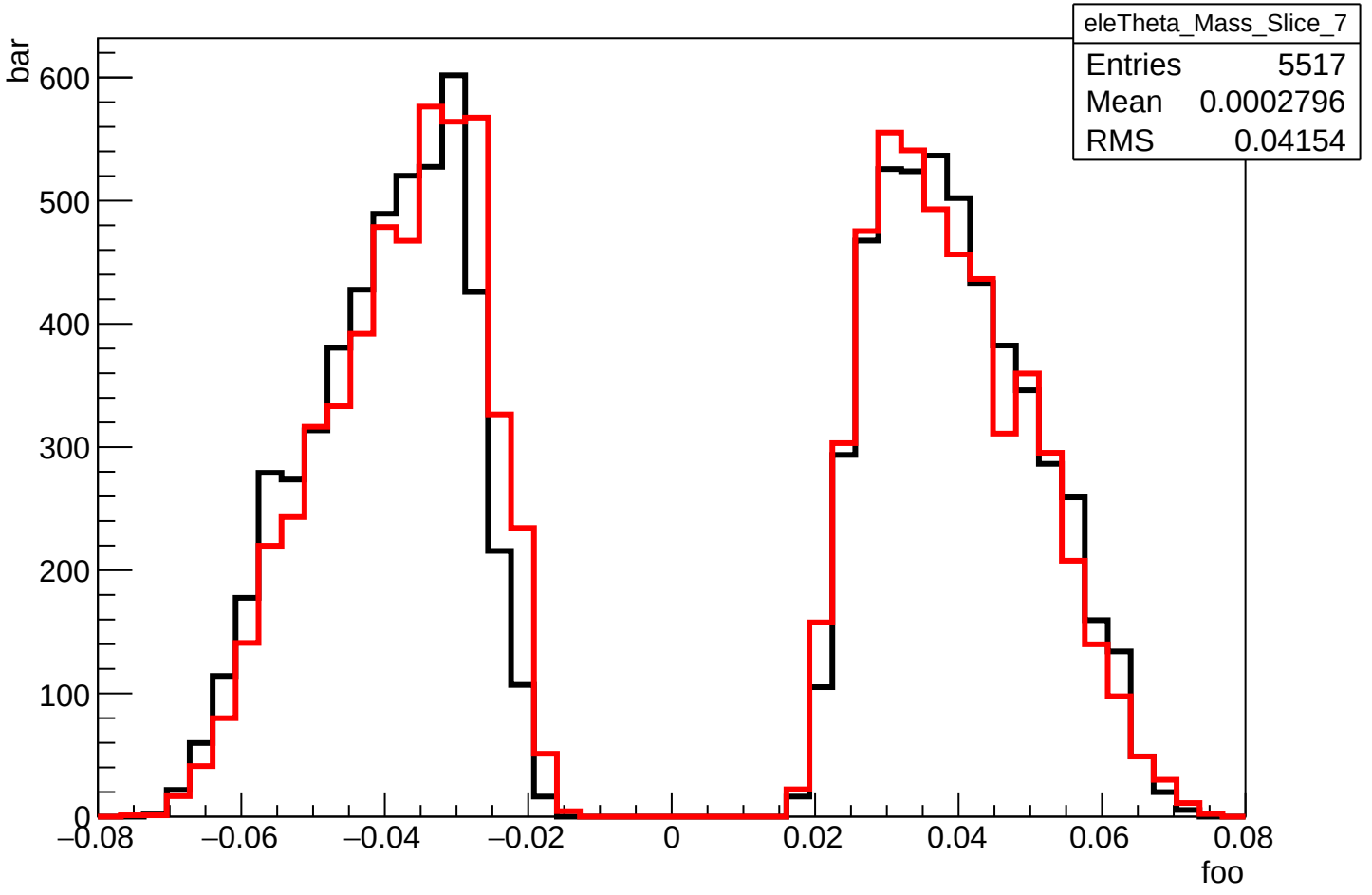

vertX_Mass_Slice_6
vertX_Mass_Slice_6
Entries 7941
Mean 0.01591
RMS 0.1703
bar
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

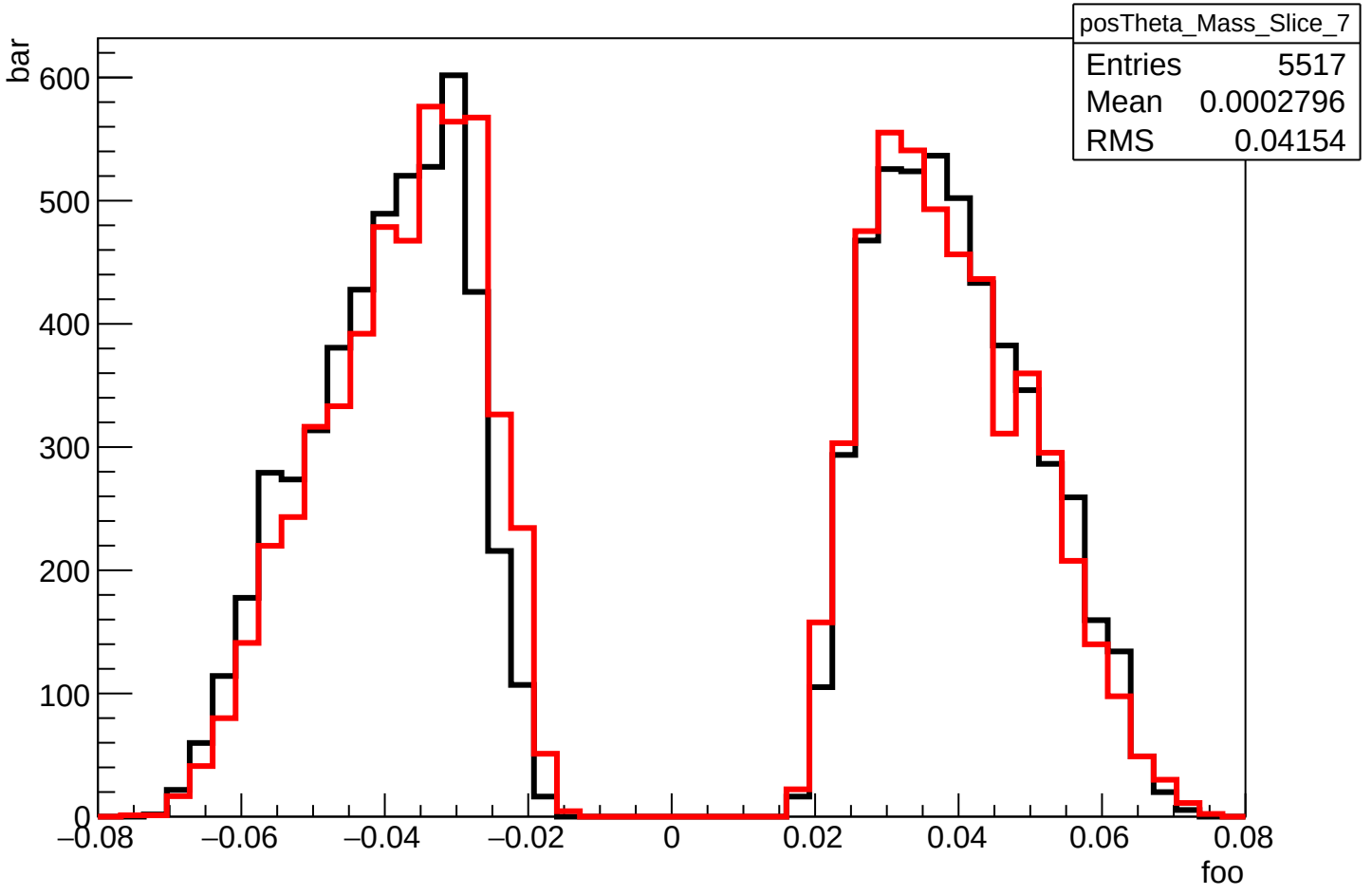

vertY_Mass_Slice_6
vertY_Mass_Slice_6
Entries 7941
Mean −0.006954
RMS 0.04621
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

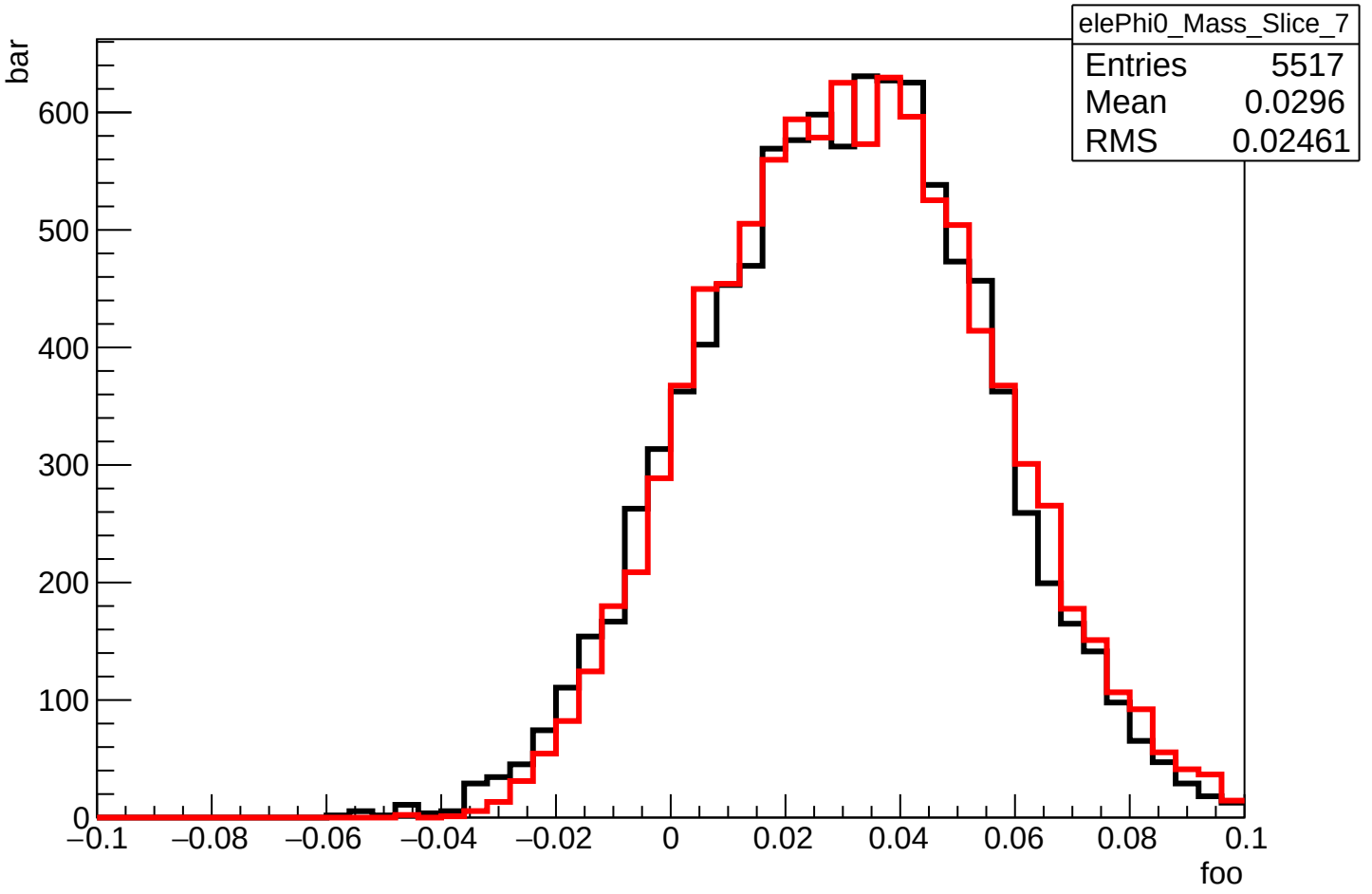

vertZ_Mass_Slice_6
vertZ_Mass_Slice_6
Entries 7941
Mean 0.007676
RMS 4.497
bar
foo
0
100
200
300
400
500
600
700
800
900
−50
−40
−30
−20
−10
0
10
20
30
40
50

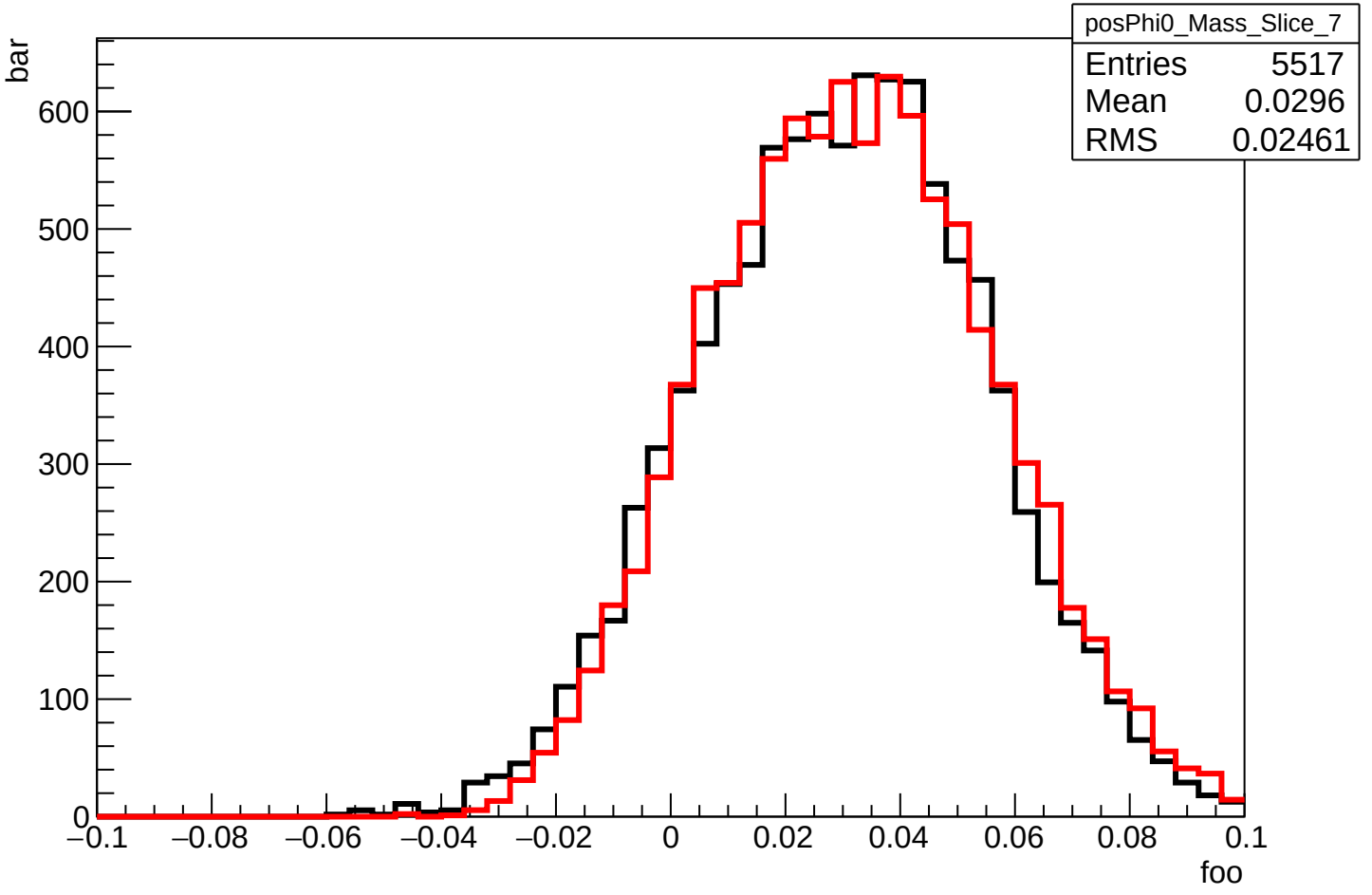

eleMom_Mass_Slice_7
eleMom_Mass_Slice_7
Entries 5517
Mean 0.5032
RMS 0.1239
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

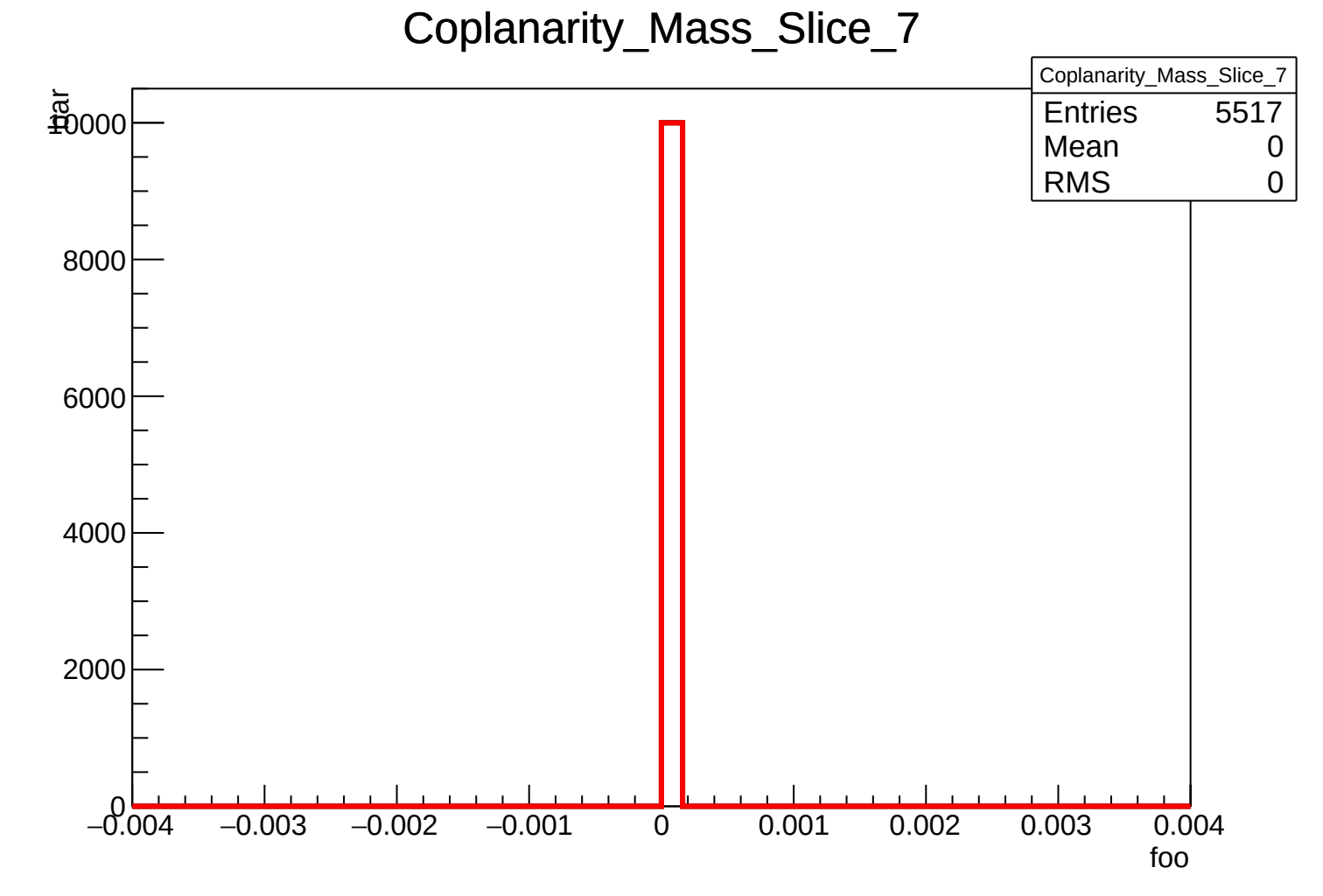

posMom_Mass_Slice_7
posMom_Mass_Slice_7
Entries 5517
Mean 0.4622
RMS 0.1156
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

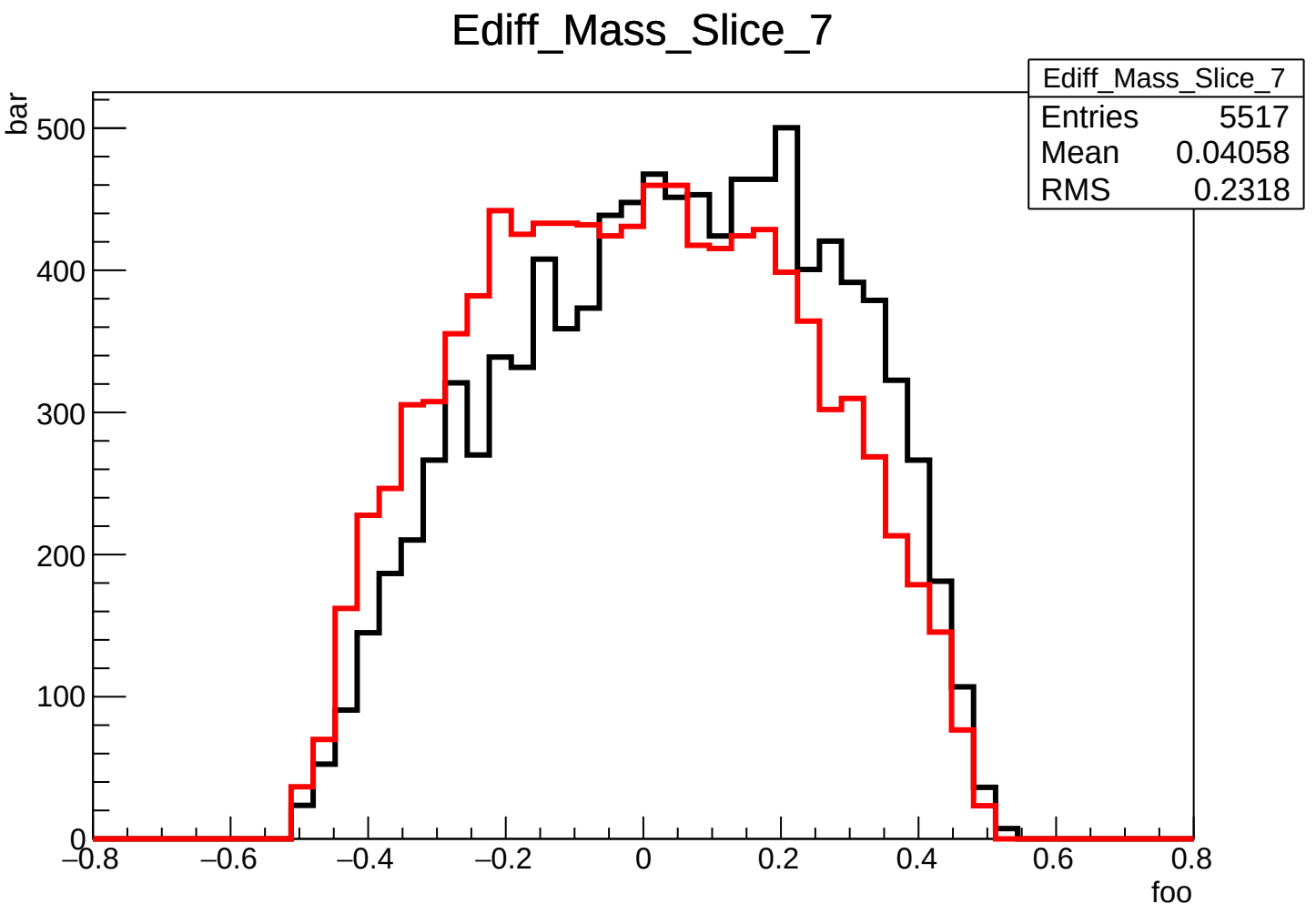

eleTheta_Mass_Slice_7
eleTheta_Mass_Slice_7
Entries 5517
Mean 0.0002796
RMS 0.04154
bar
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

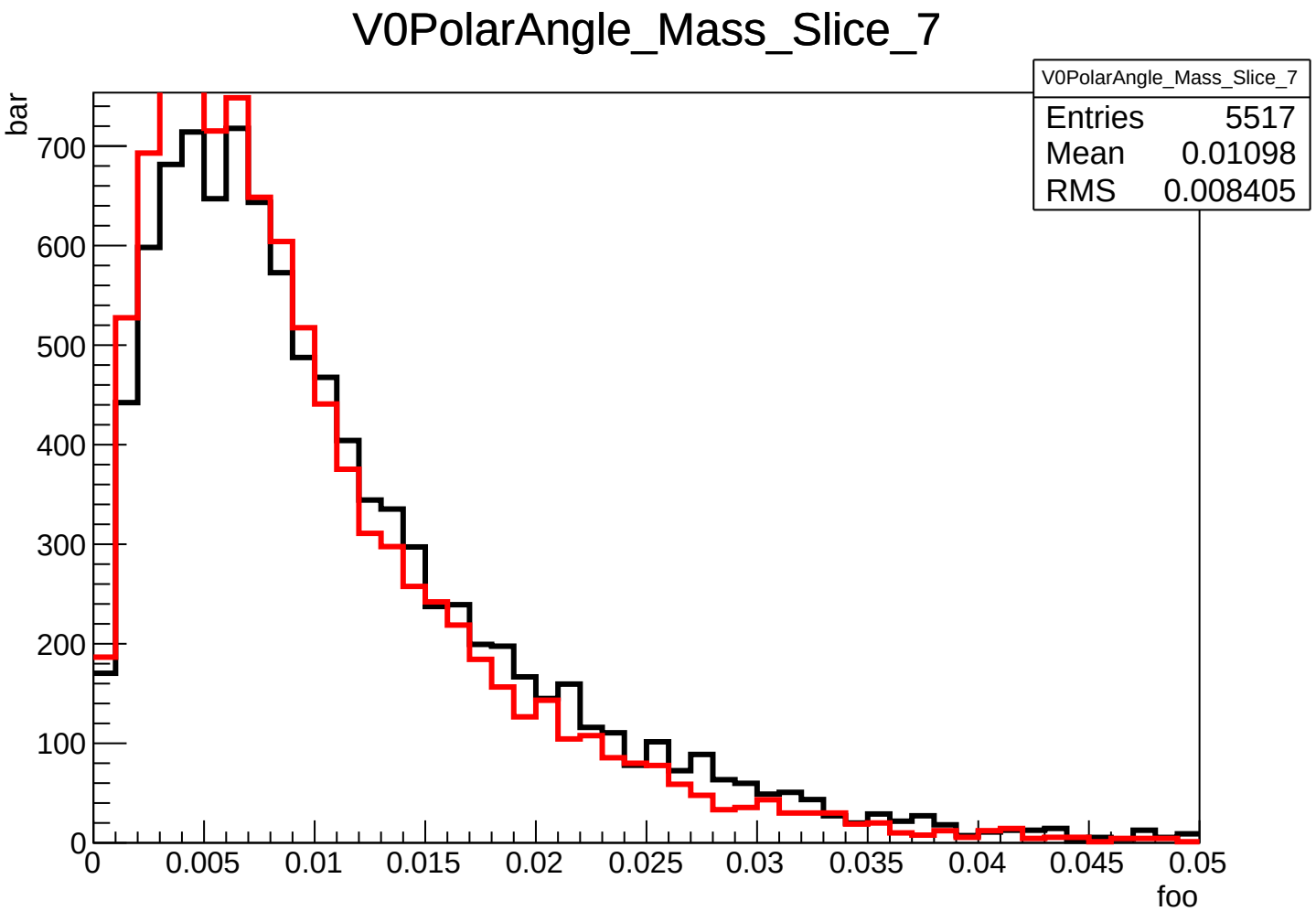

posTheta_Mass_Slice_7
posTheta_Mass_Slice_7
Entries 5517
Mean 0.0002796
RMS 0.04154
bar
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

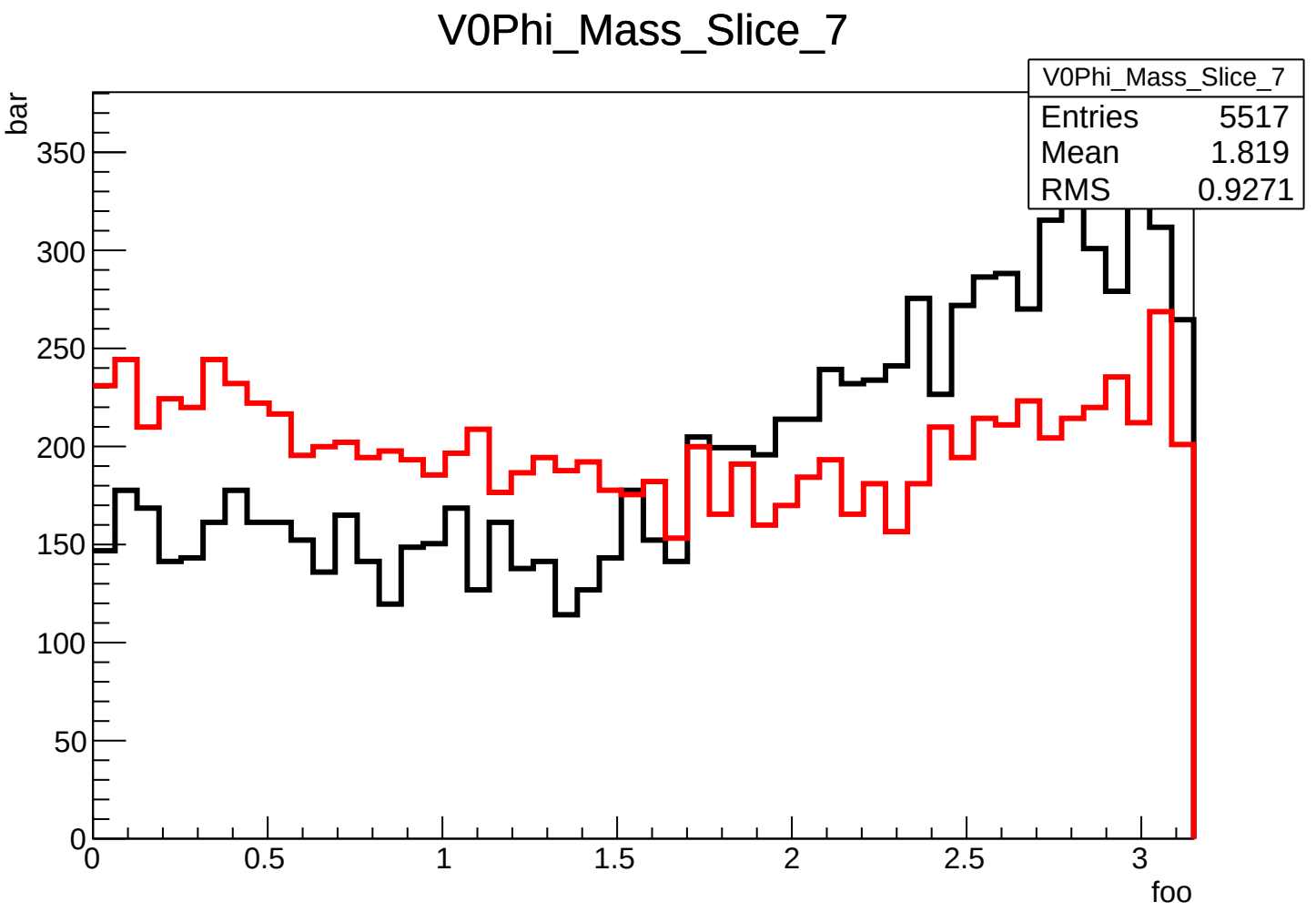

elePhi0_Mass_Slice_7
elePhi0_Mass_Slice_7
Entries 5517
Mean 0.0296
RMS 0.02461
bar
foo
0
100
200
300
400
500
600
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

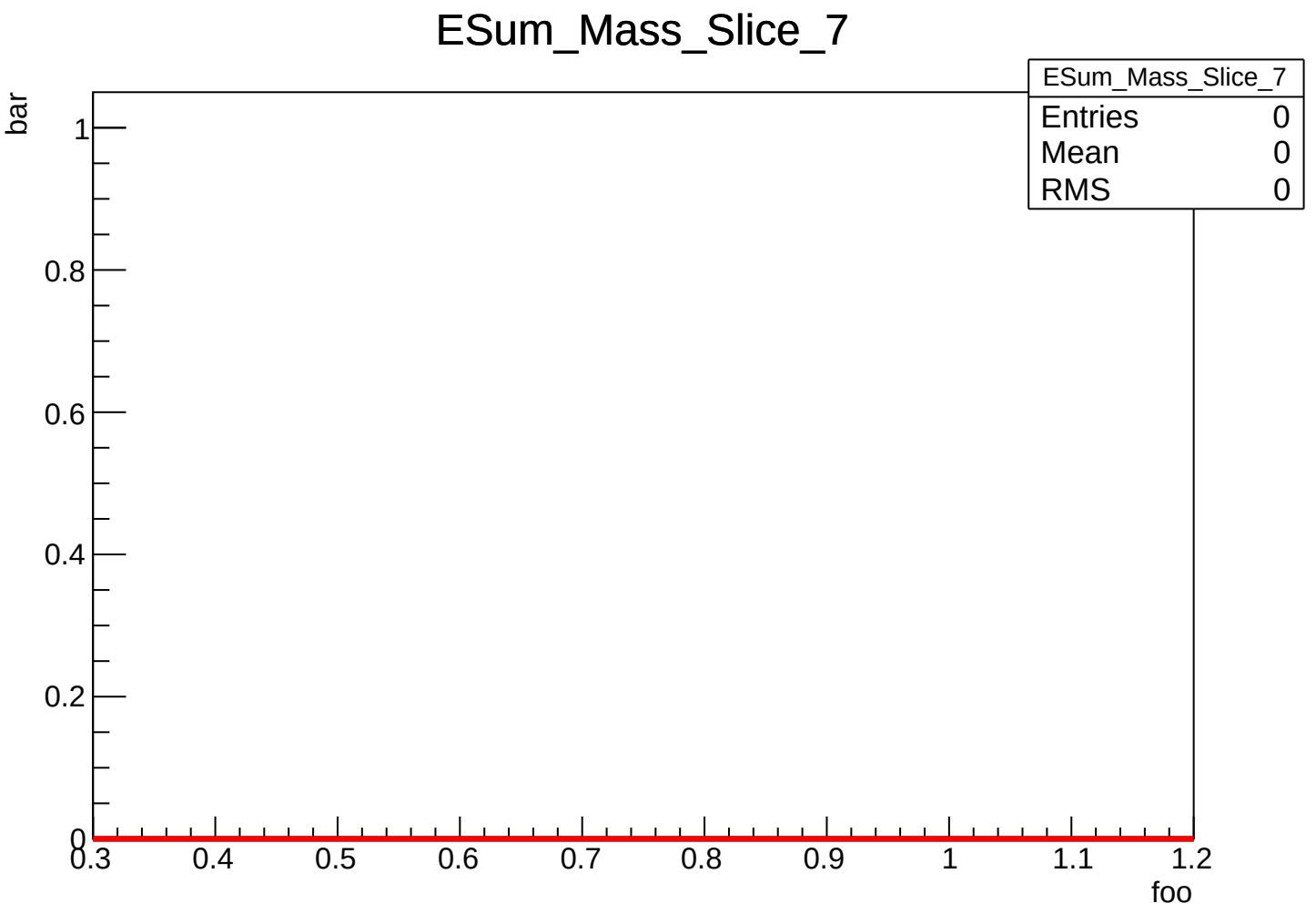

posPhi0_Mass_Slice_7
posPhi0_Mass_Slice_7
Entries 5517
Mean 0.0296
RMS 0.02461
bar
0
100
200
300
400
500
600
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

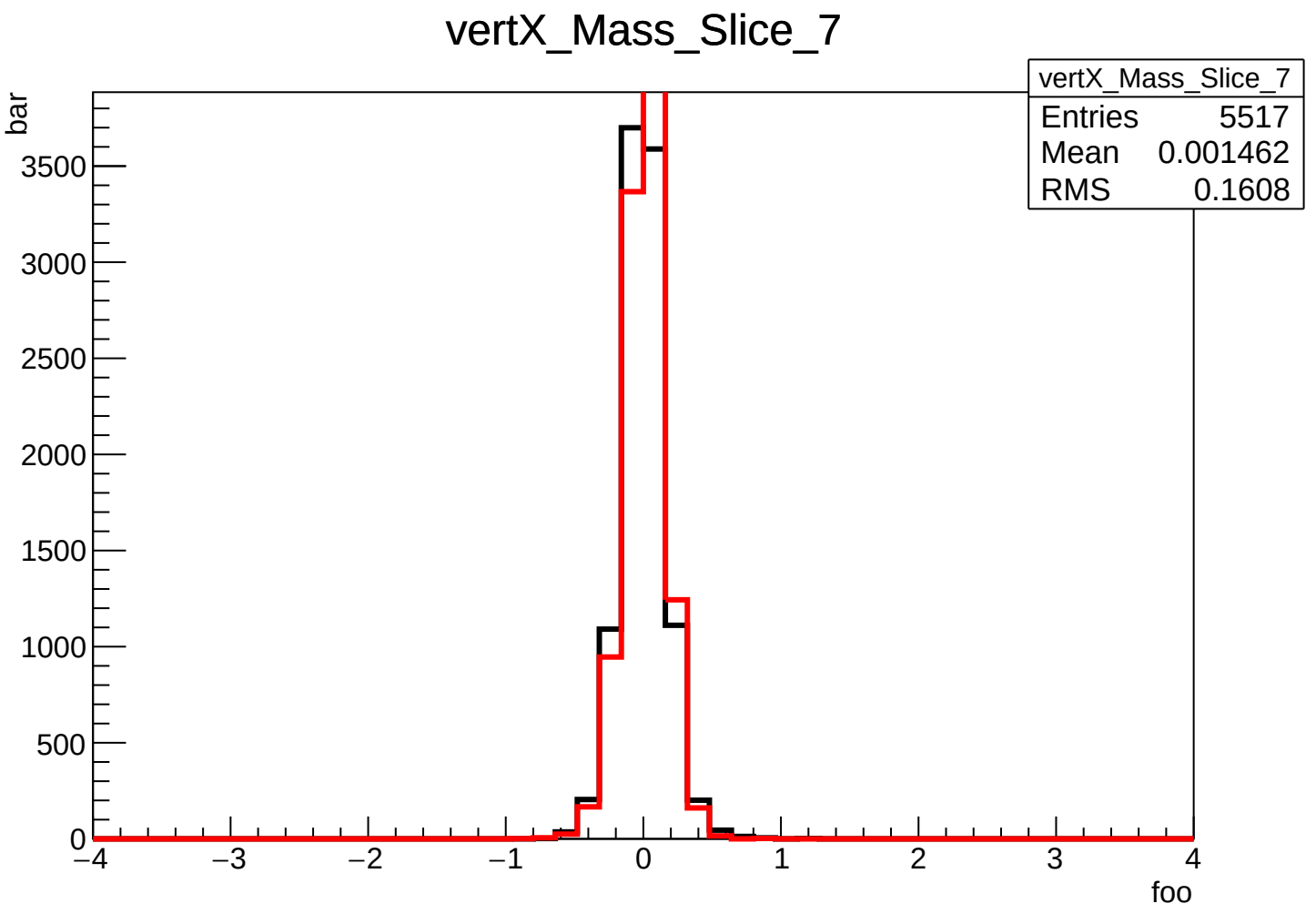

Coplanarity_Mass_Slice_7
Coplanarity_Mass_Slice_7
Entries 5517
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

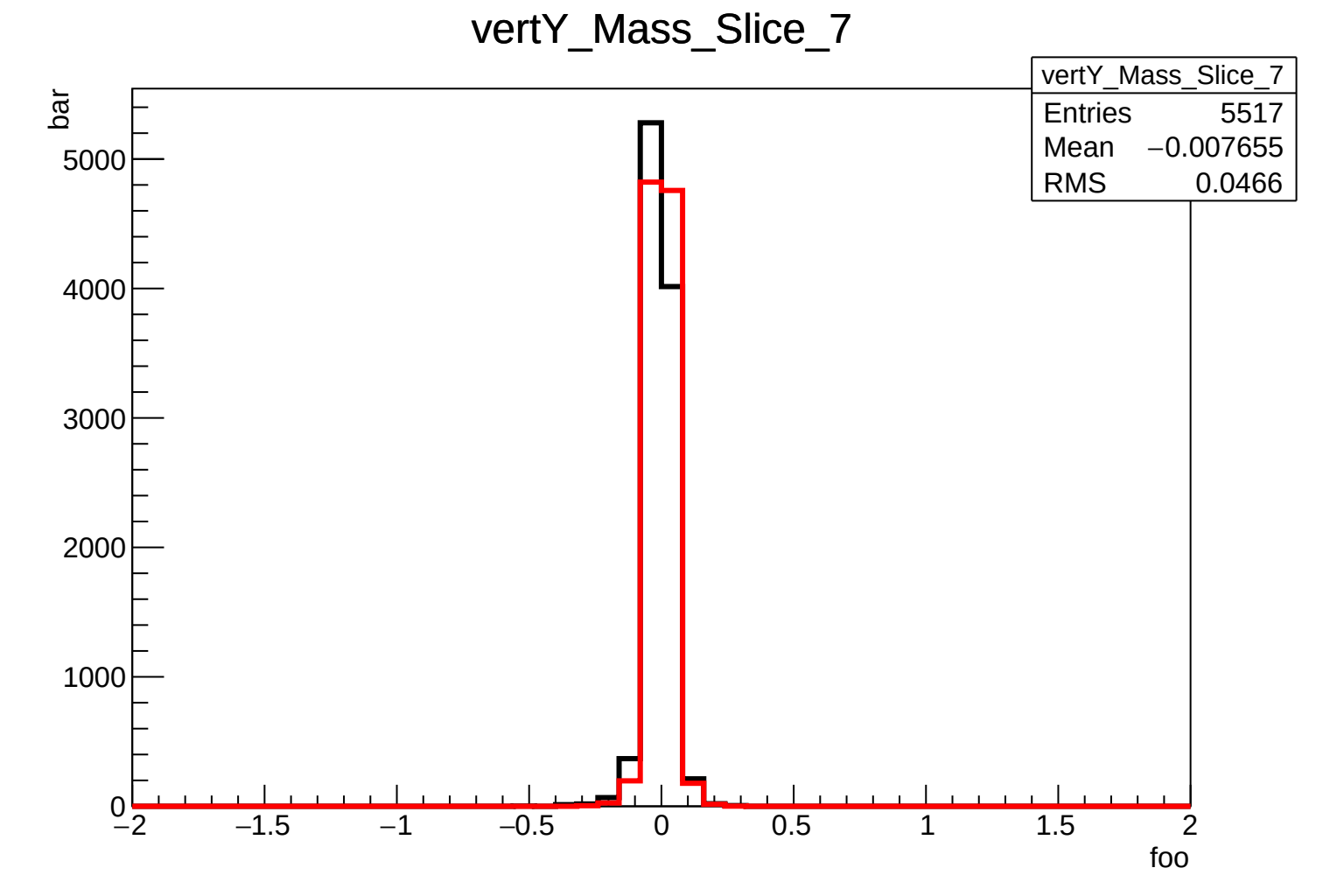

Ediff_Mass_Slice_7
Ediff_Mass_Slice_7
Entries 5517
Mean 0.04058
RMS 0.2318
bar
0
100
200
300
400
500
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

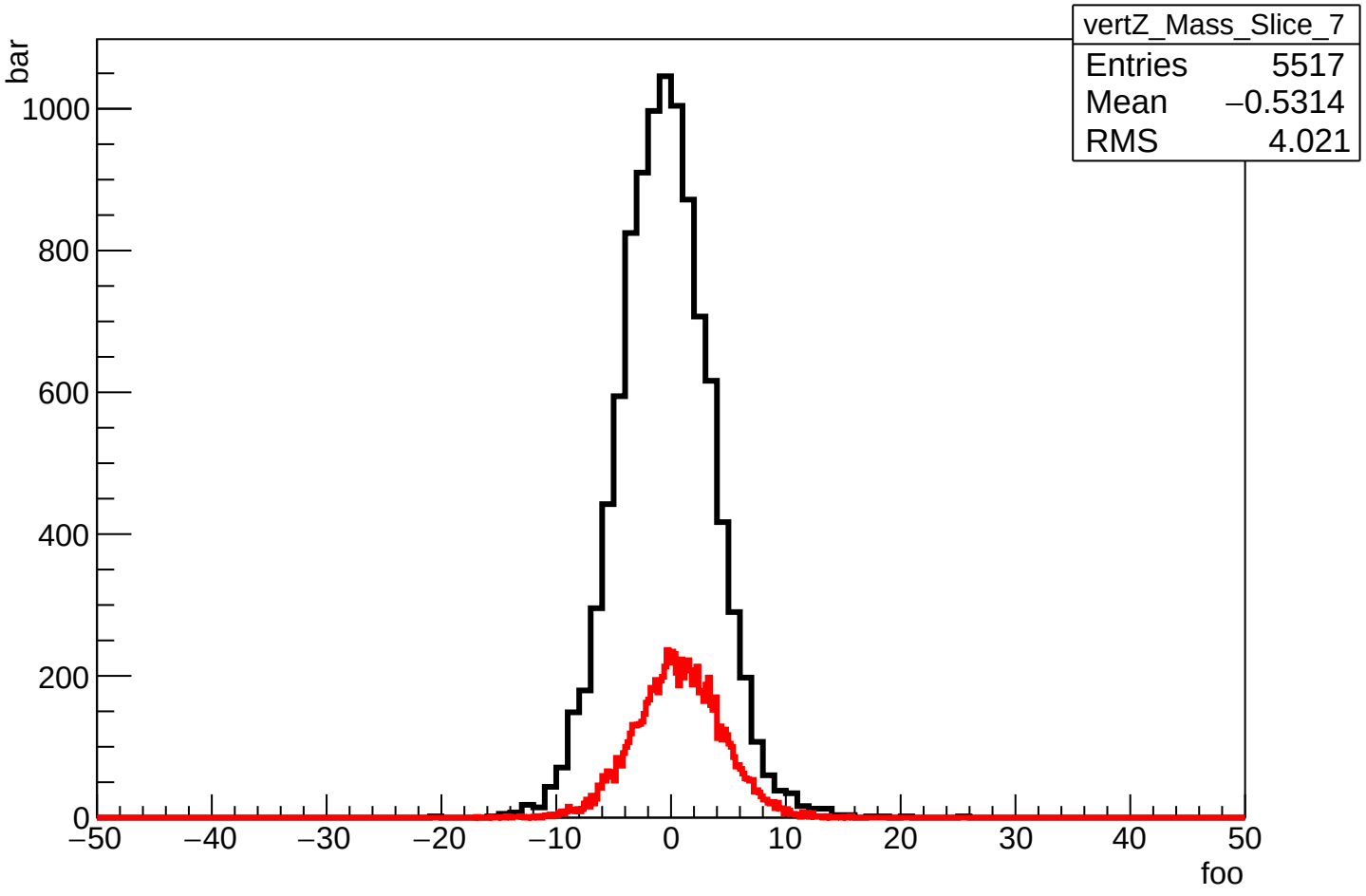

V0PolarAngle_Mass_Slice_7
V0PolarAngle_Mass_Slice_7
Entries 5517
Mean 0.01098
RMS 0.008405
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

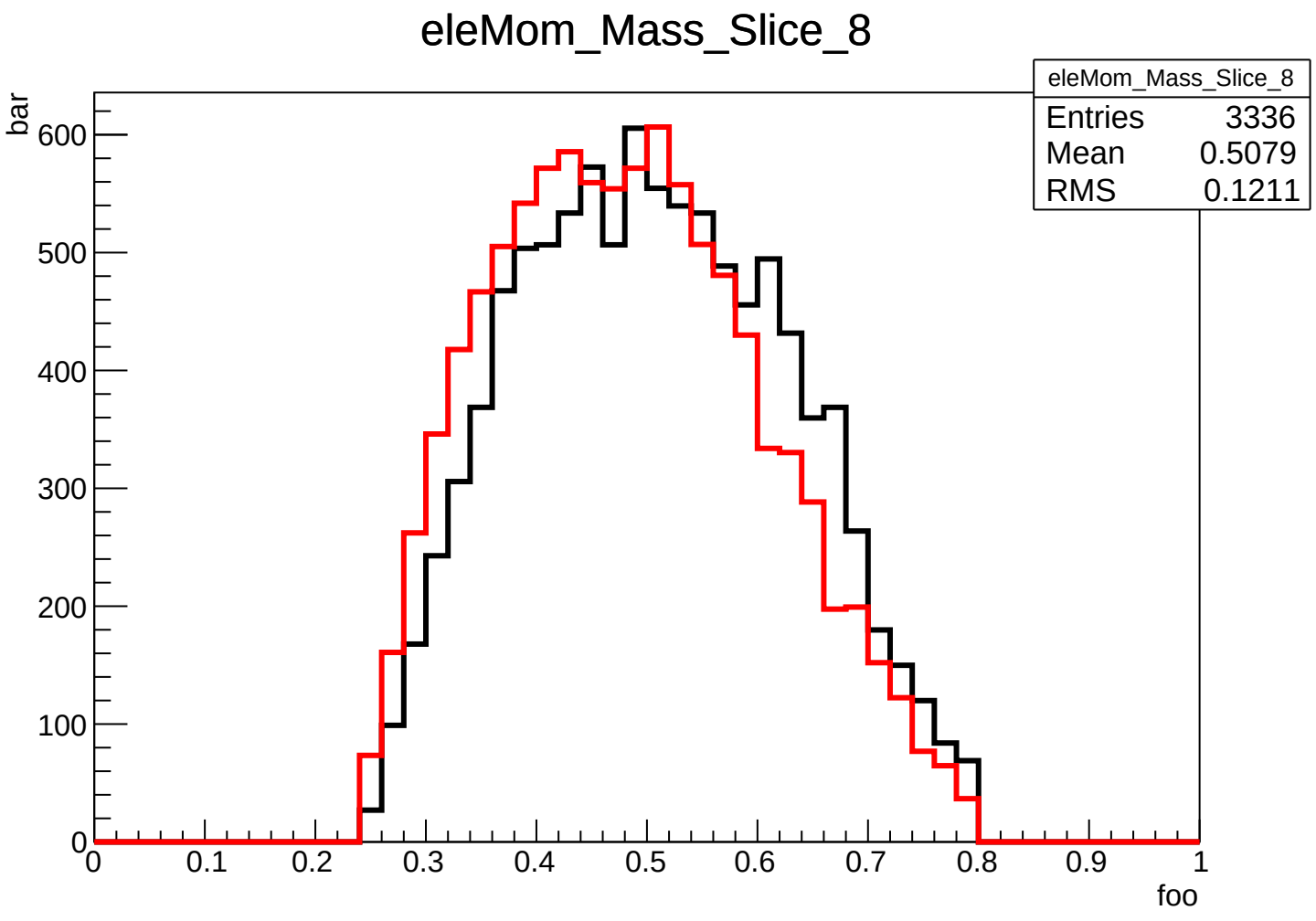

V0Phi_Mass_Slice_7
V0Phi_Mass_Slice_7
Entries 5517
Mean 1.819
RMS 0.9271
bar
foo
0
50
100
150
200
250
300
350
0
0.5
1
1.5
2
2.5
3

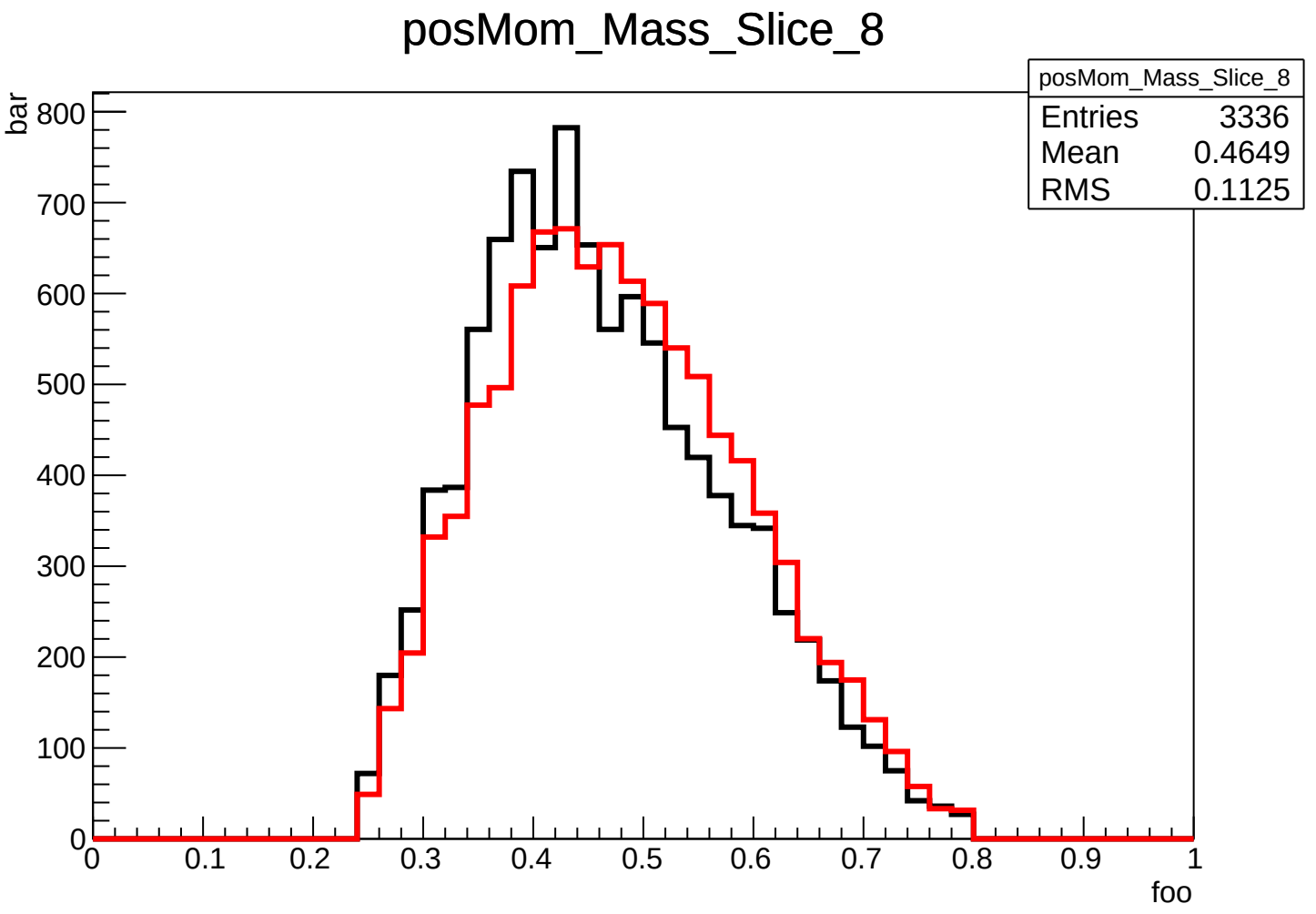

ESum_Mass_Slice_7
ESum_Mass_Slice_7
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

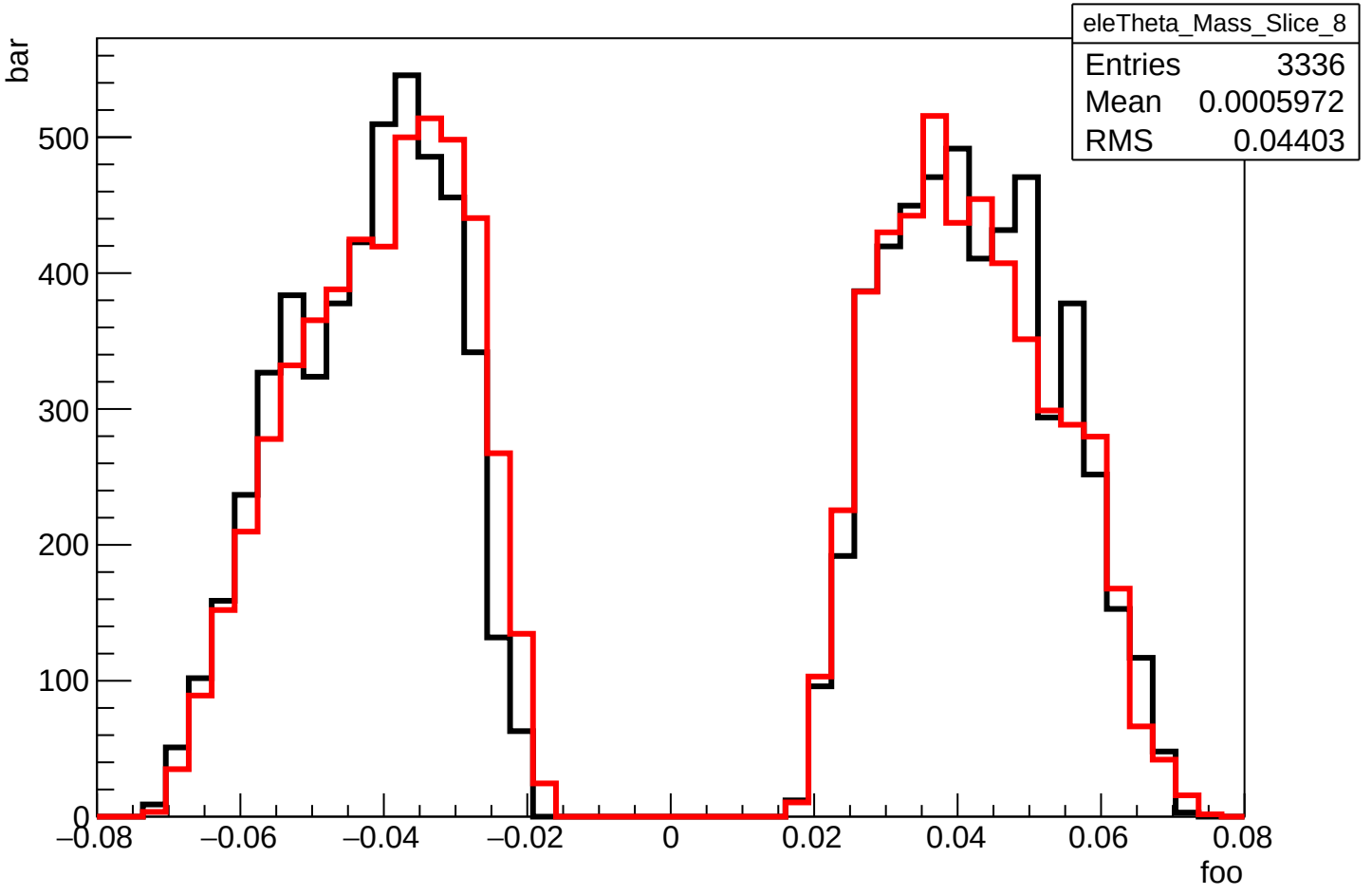

vertX_Mass_Slice_7
vertX_Mass_Slice_7
Entries 5517
Mean 0.001462
RMS 0.1608
bar
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

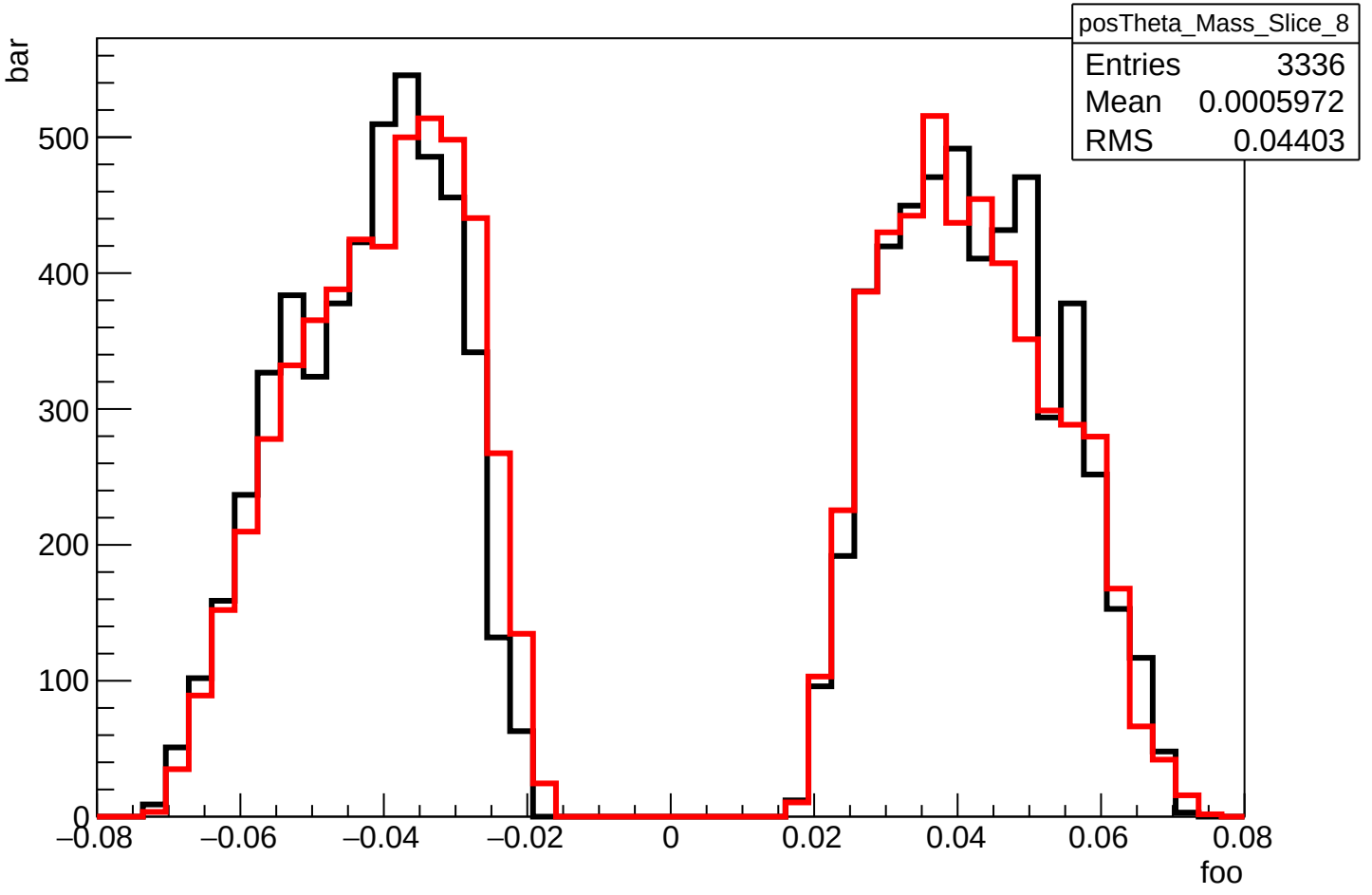

vertY_Mass_Slice_7
vertY_Mass_Slice_7
Entries 5517
Mean −0.007655
RMS 0.0466
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

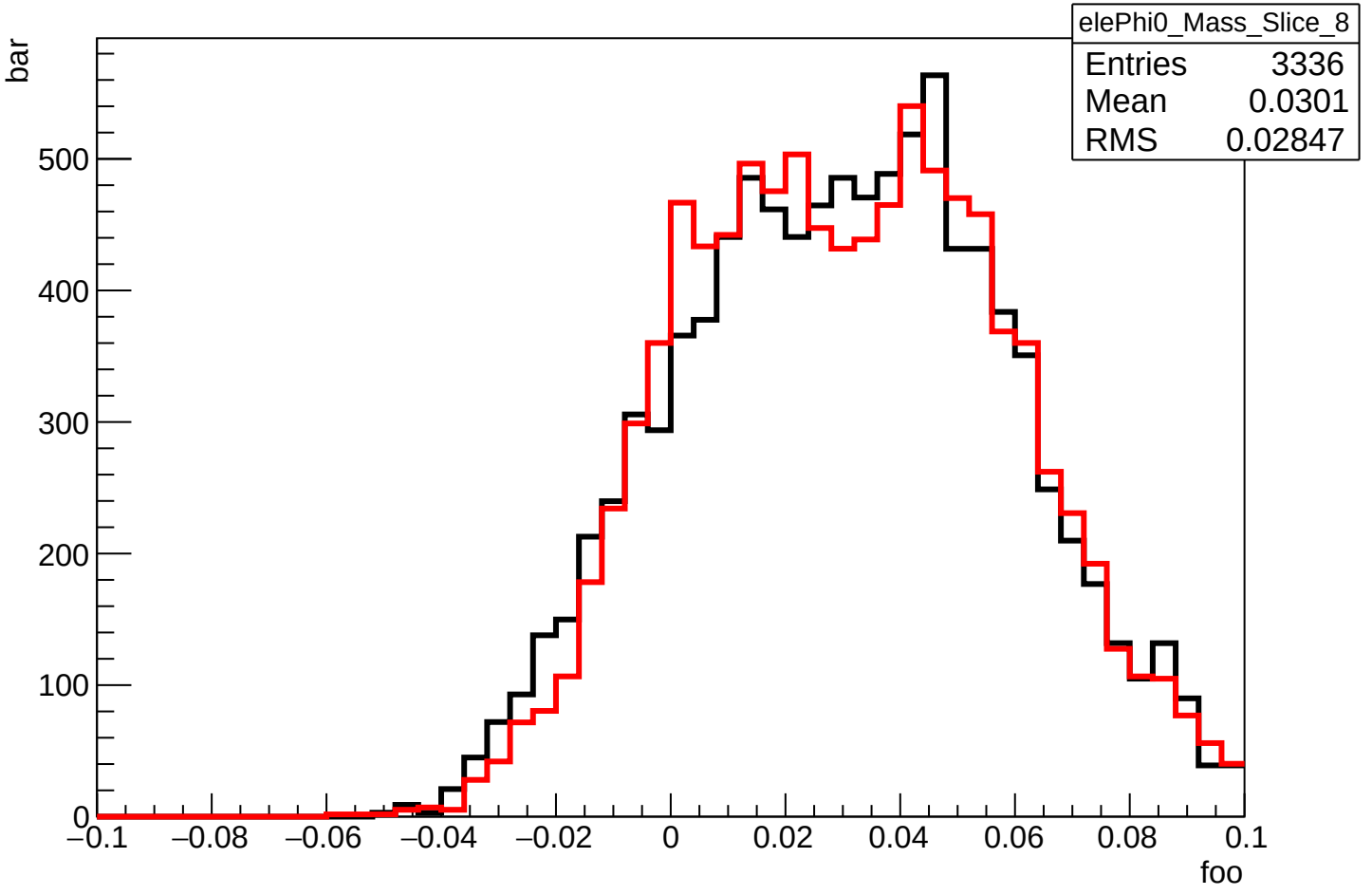

vertZ_Mass_Slice_7
vertZ_Mass_Slice_7
Entries 5517
Mean −0.5314
RMS 4.021
bar
1000
800
600
400
200
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

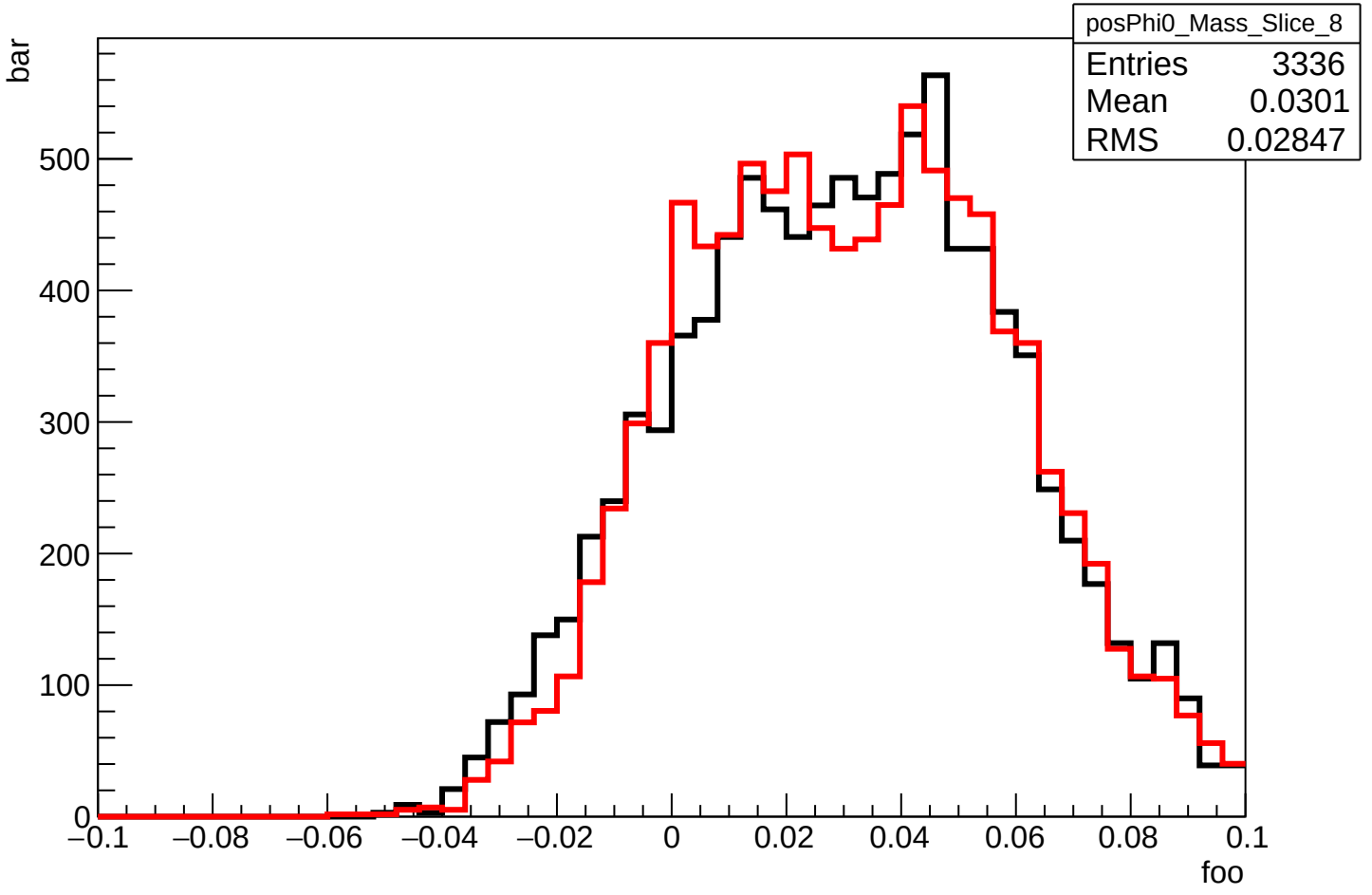

eleMom_Mass_Slice_8
eleMom_Mass_Slice_8
Entries 3336
Mean 0.5079
RMS 0.1211
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

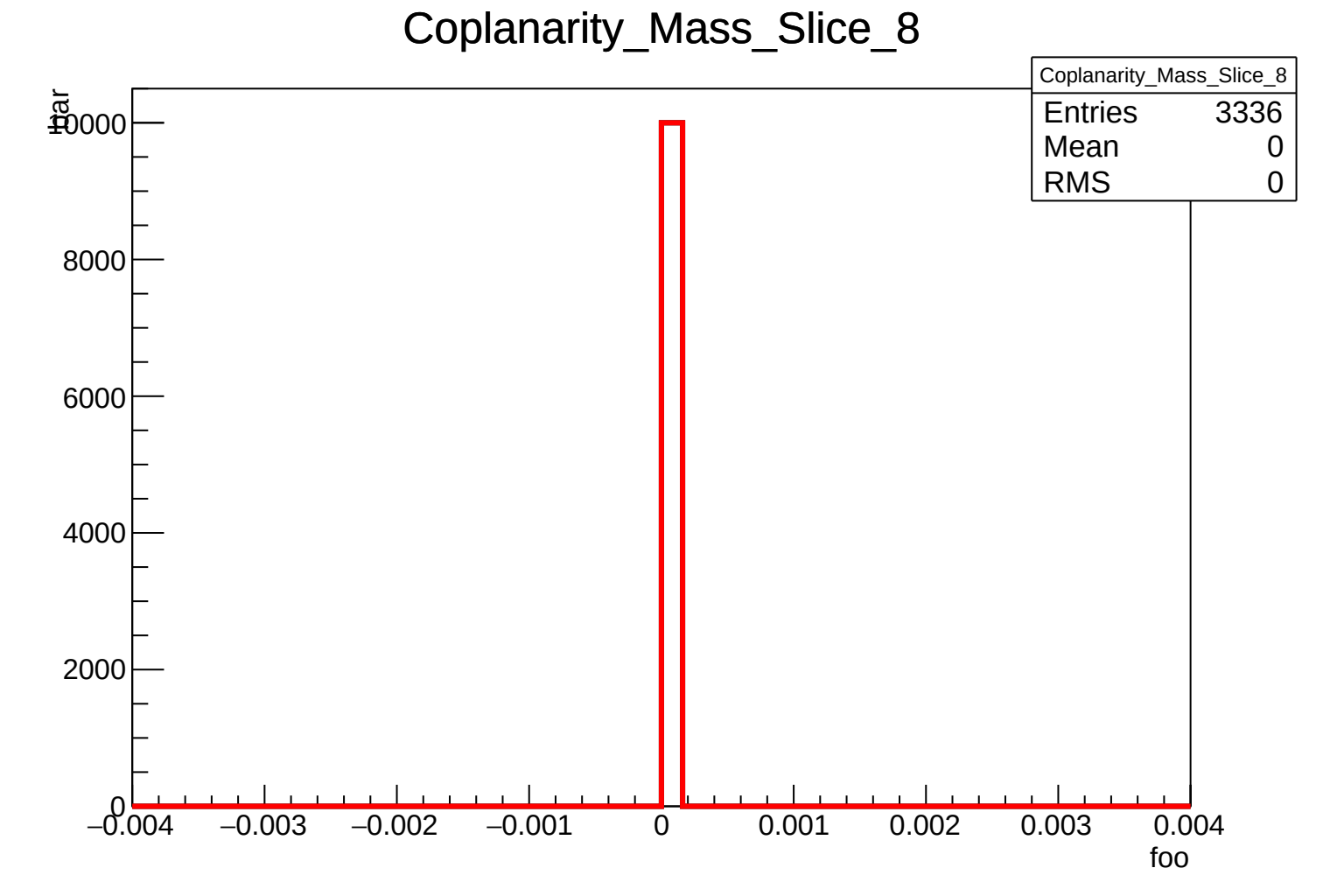

posMom_Mass_Slice_8
posMom_Mass_Slice_8
Entries 3336
Mean 0.4649
RMS 0.1125
bar
foo
0
100
200
300
400
500
600
700
800
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

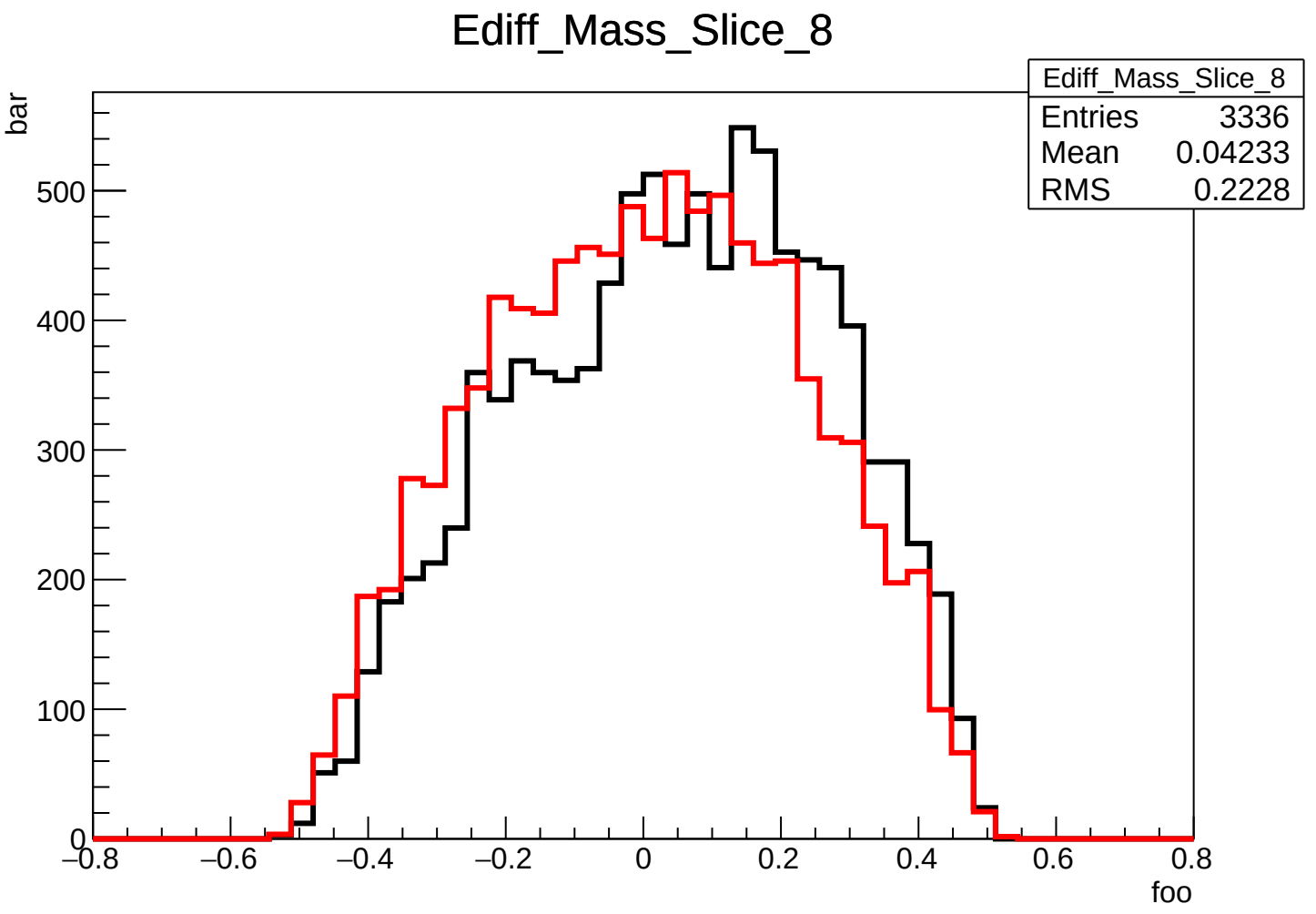

eleTheta_Mass_Slice_8
eleTheta_Mass_Slice_8
Entries 3336
Mean 0.0005972
RMS 0.04403
bar
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

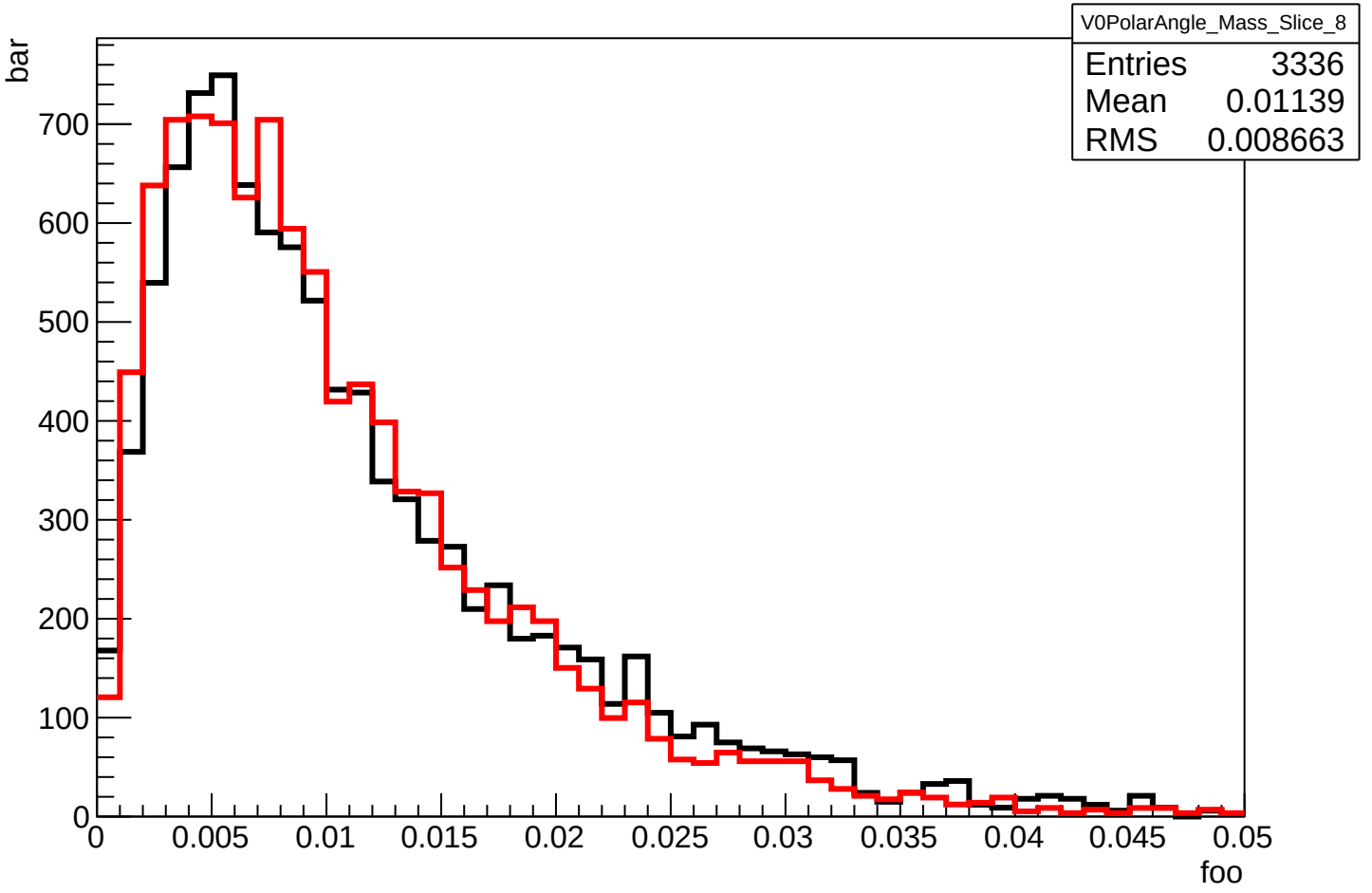

posTheta_Mass_Slice_8
posTheta_Mass_Slice_8
Entries 3336
Mean 0.0005972
RMS 0.04403
bar
500
400
300
200
100
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

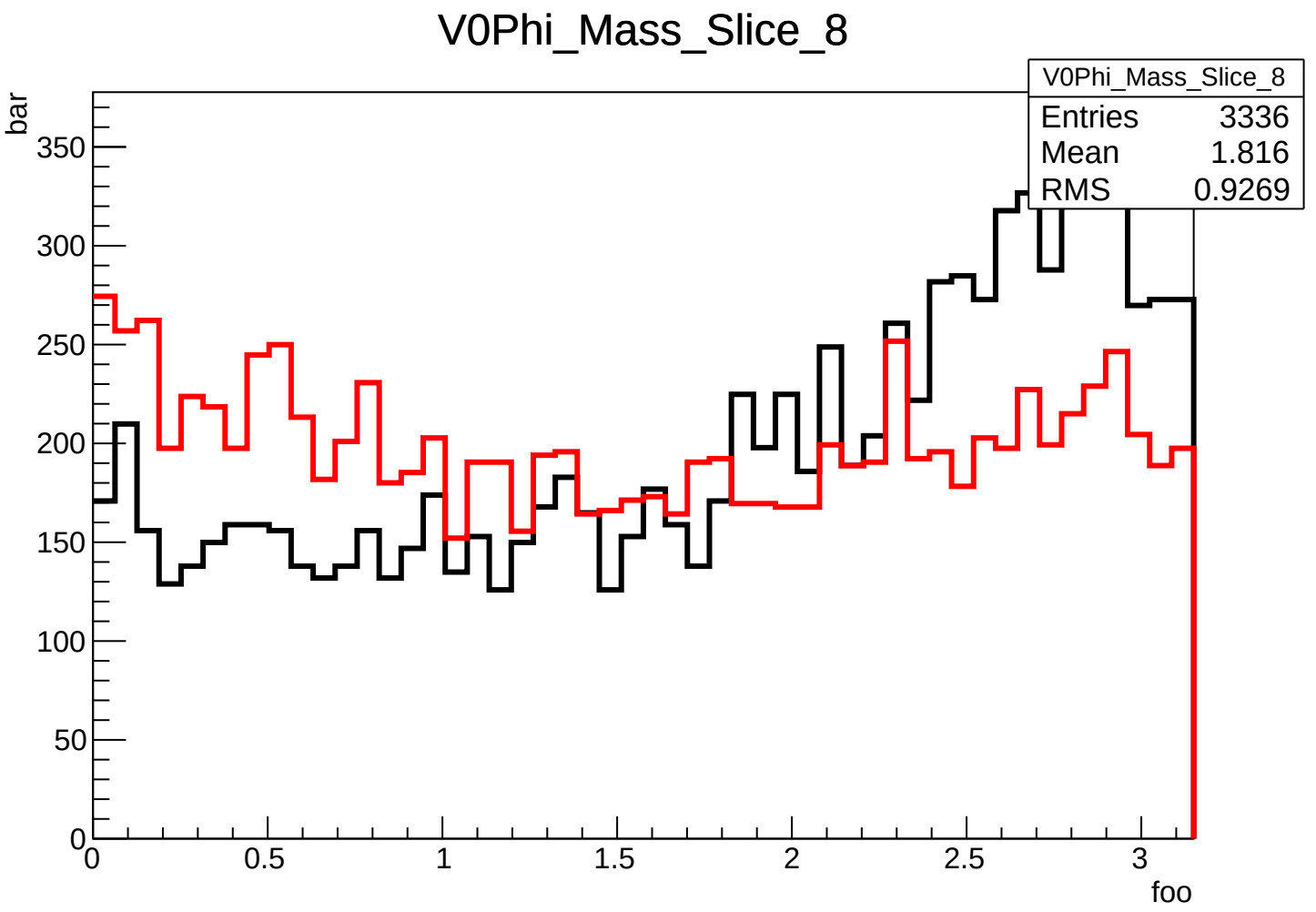

elePhi0_Mass_Slice_8
elePhi0_Mass_Slice_8
Entries 3336
Mean 0.0301
RMS 0.02847
bar
0
100
200
300
400
500
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

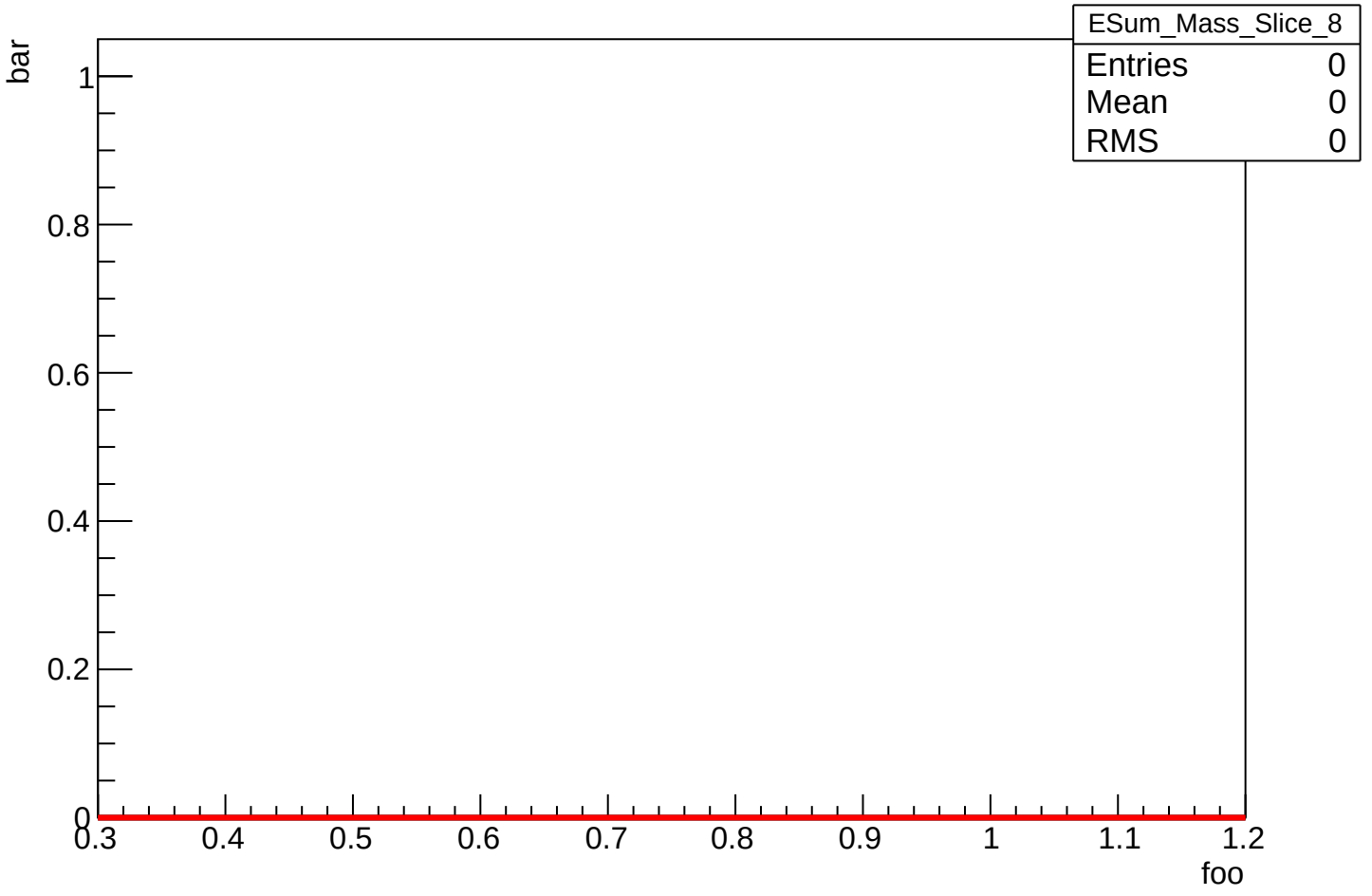

posPhi0_Mass_Slice_8
posPhi0_Mass_Slice_8
Entries 3336
Mean 0.0301
RMS 0.02847
bar
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

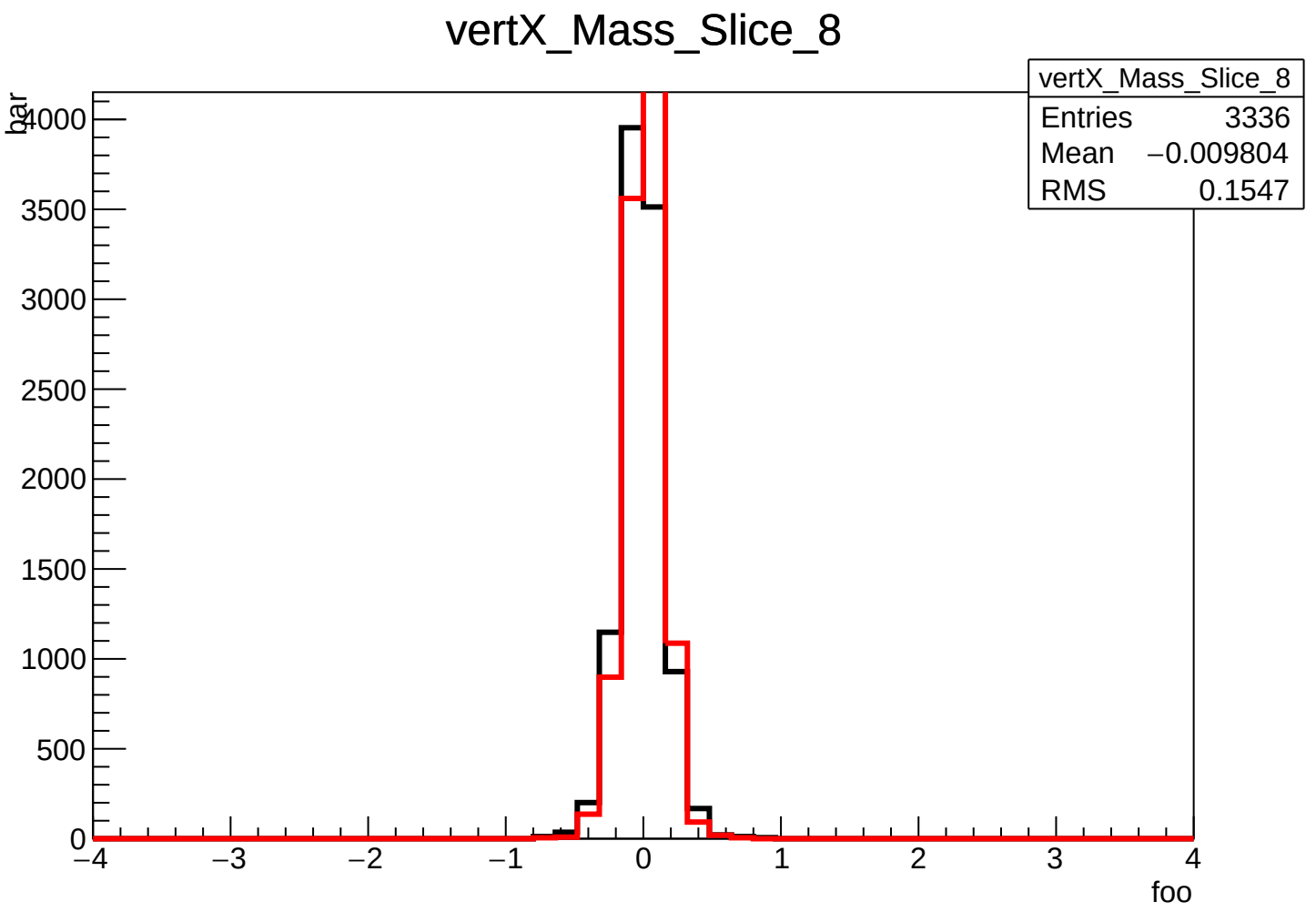

Coplanarity_Mass_Slice_8
Coplanarity_Mass_Slice_8
Entries 3336
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

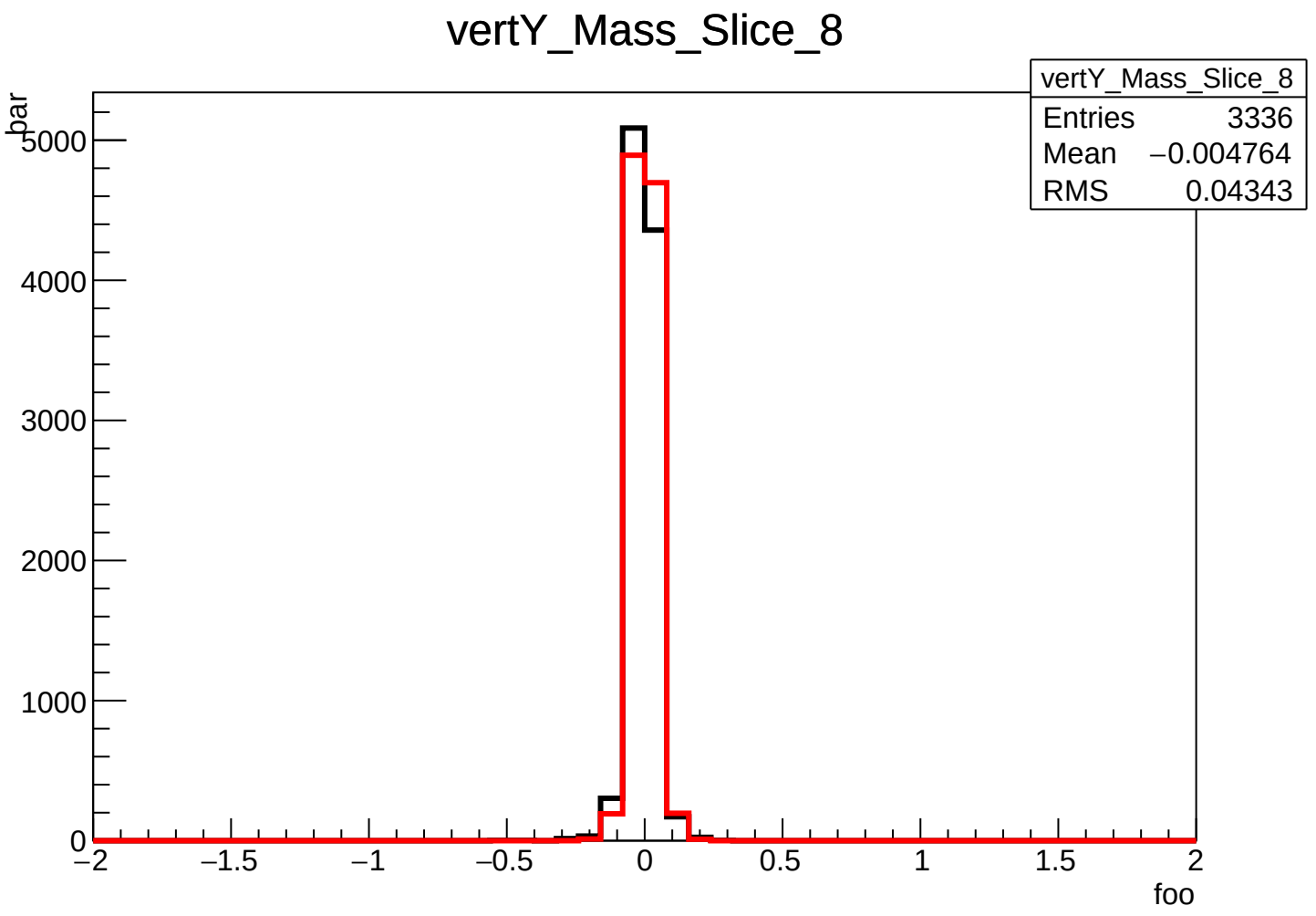

Ediff_Mass_Slice_8
Ediff_Mass_Slice_8
Entries 3336
Mean 0.04233
RMS 0.2228
bar
0
100
200
300
400
500
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

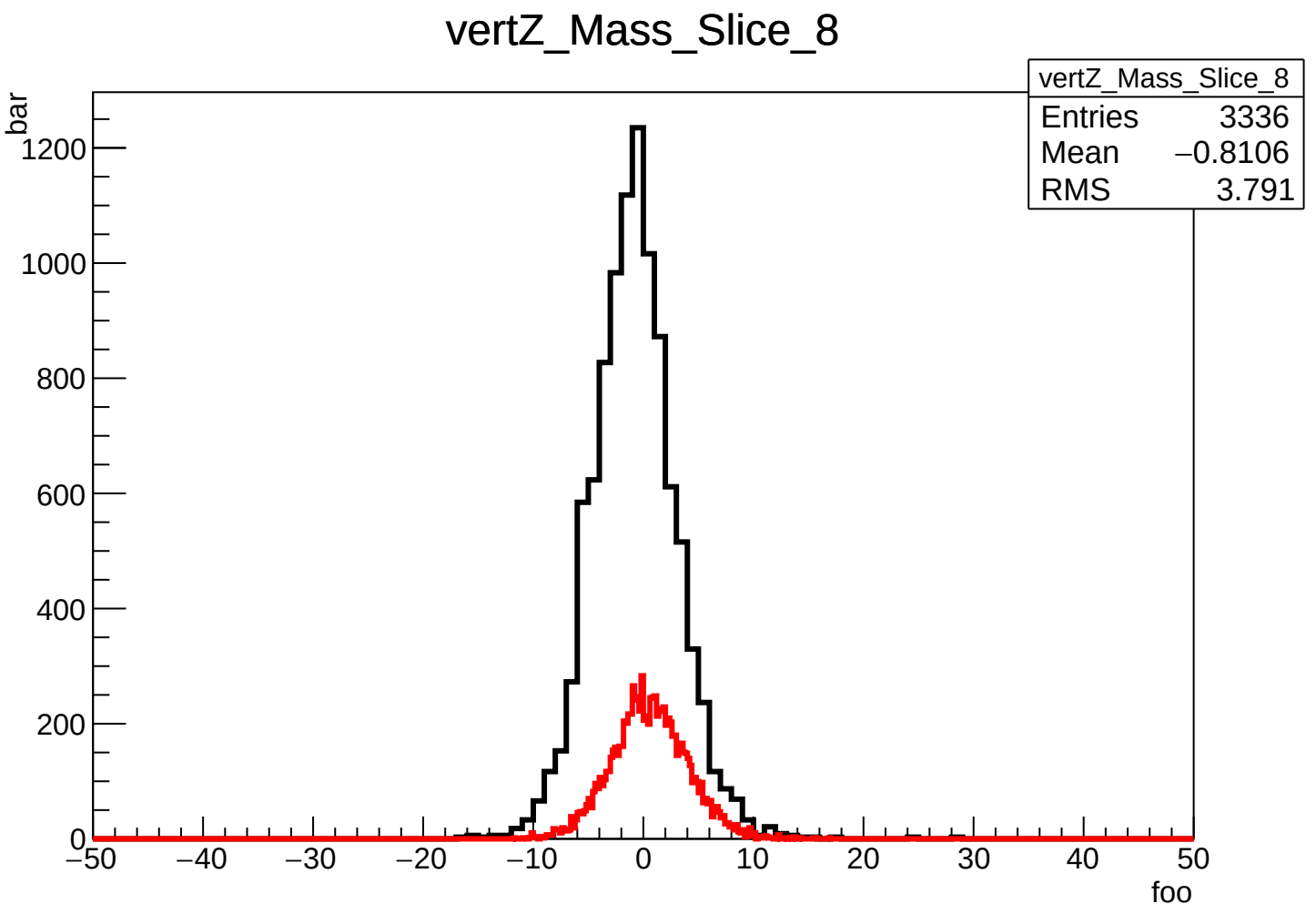

V0PolarAngle_Mass_Slice_8
V0PolarAngle_Mass_Slice_8
Entries 3336
Mean 0.01139
RMS 0.008663
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

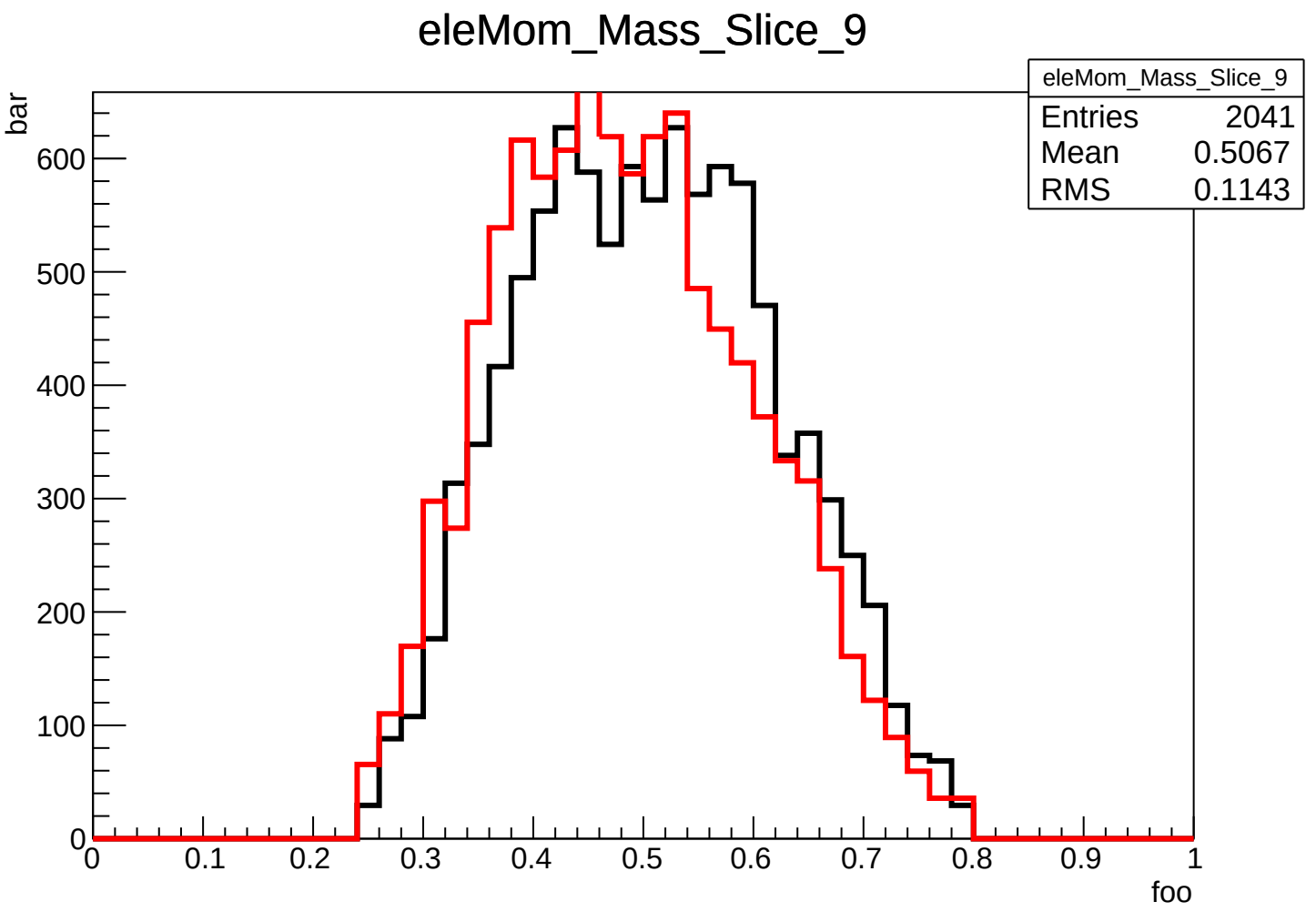

V0Phi_Mass_Slice_8
V0Phi_Mass_Slice_8
Entries 3336
Mean 1.816
RMS 0.9269
bar
foo
0
50
100
150
200
250
300
350
0
0.5
1
1.5
2
2.5
3

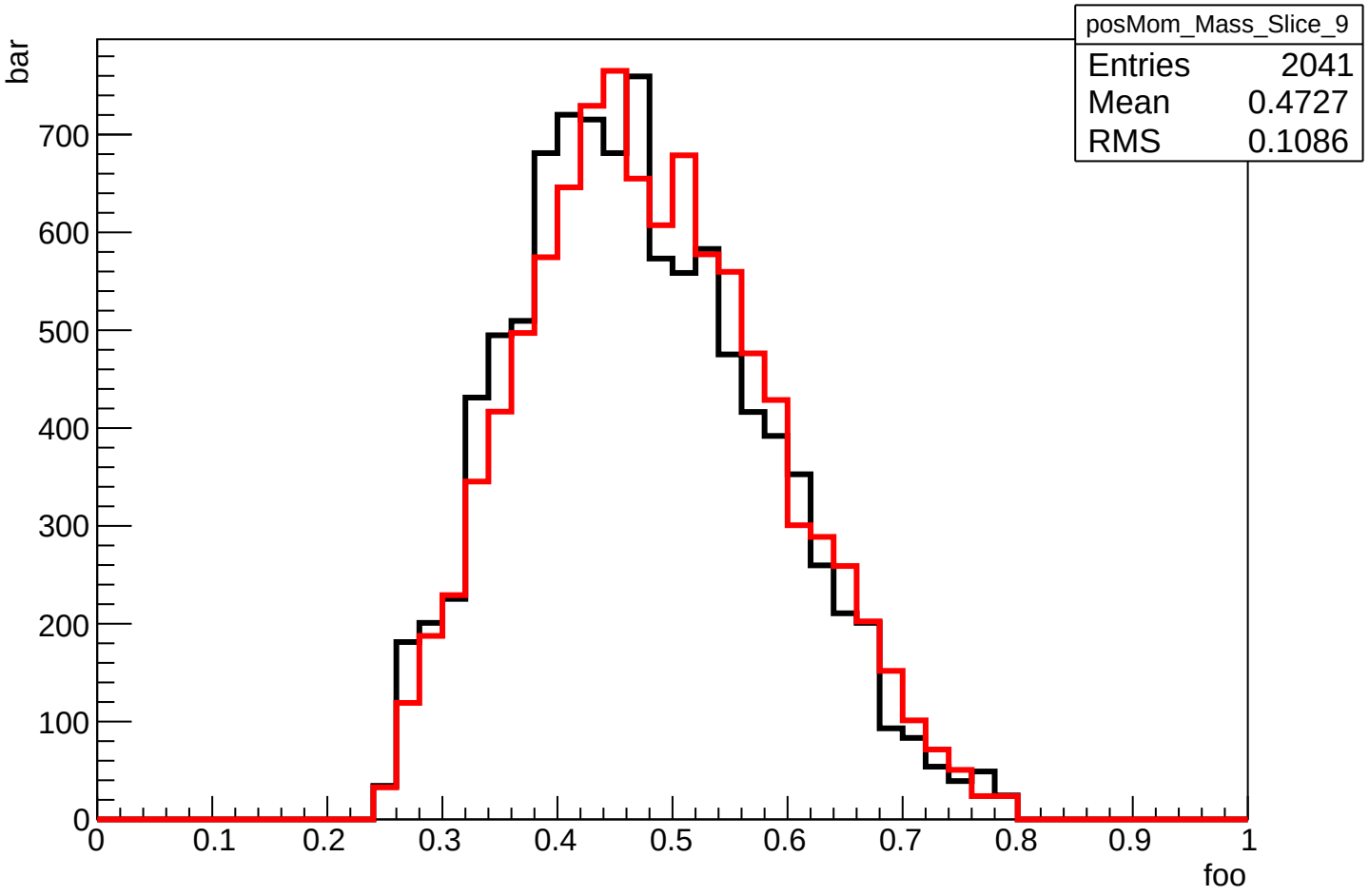

ESum_Mass_Slice_8
ESum_Mass_Slice_8
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

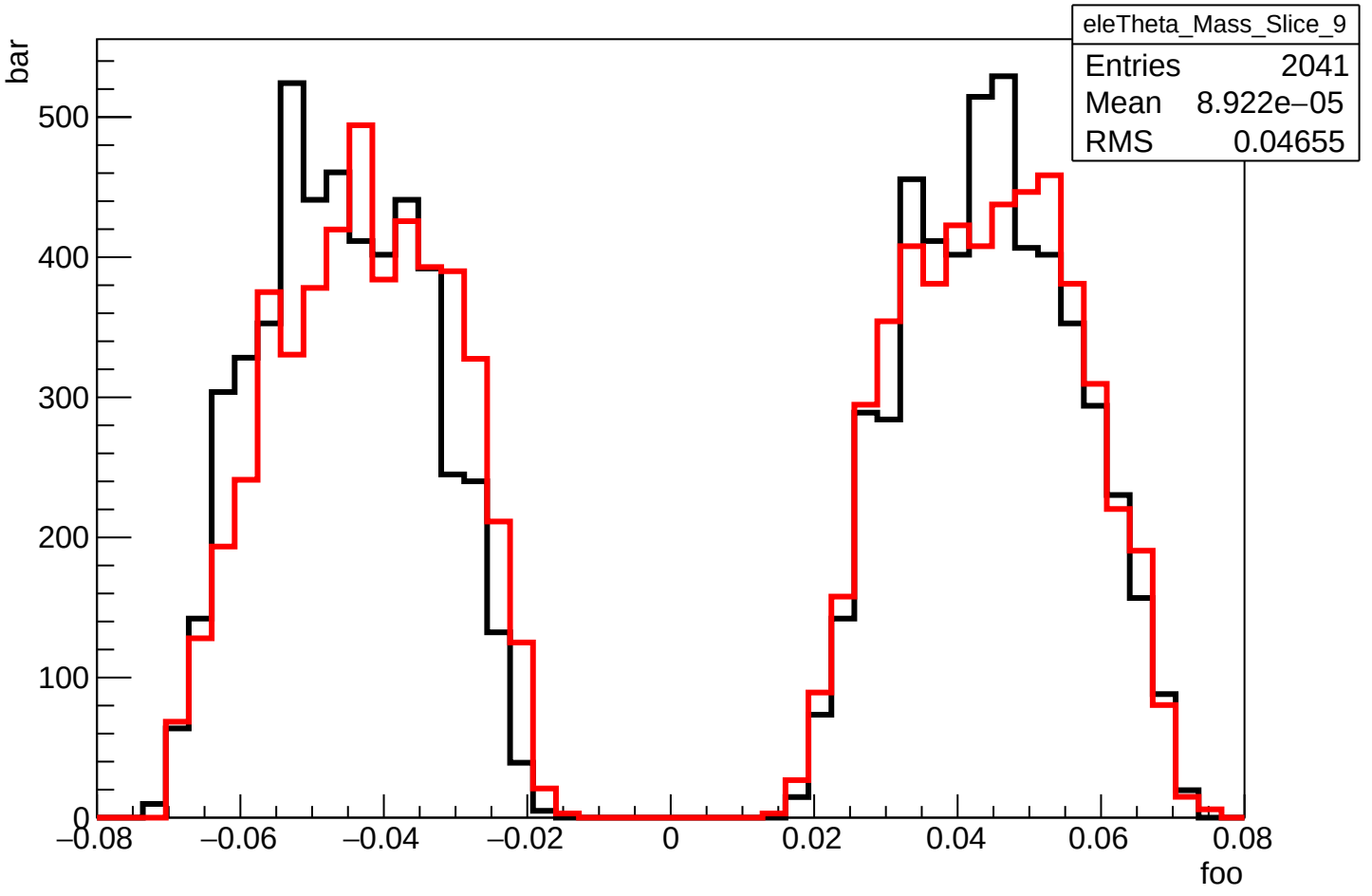

vertX_Mass_Slice_8
vertX_Mass_Slice_8
Entries 3336
Mean −0.009804
RMS 0.1547
bar
4000
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

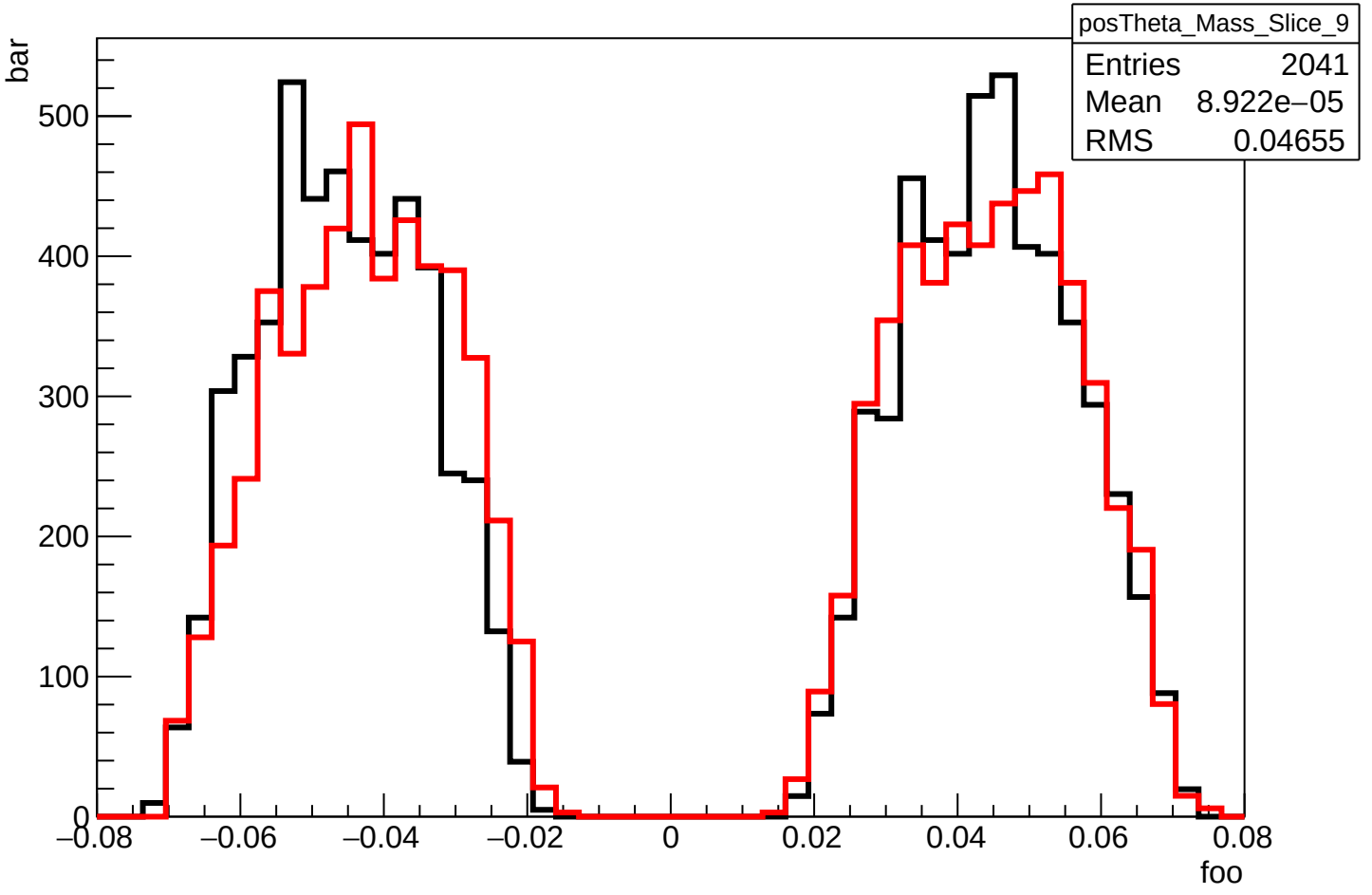

vertY_Mass_Slice_8
vertY_Mass_Slice_8
Entries 3336
Mean −0.004764
RMS 0.04343
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

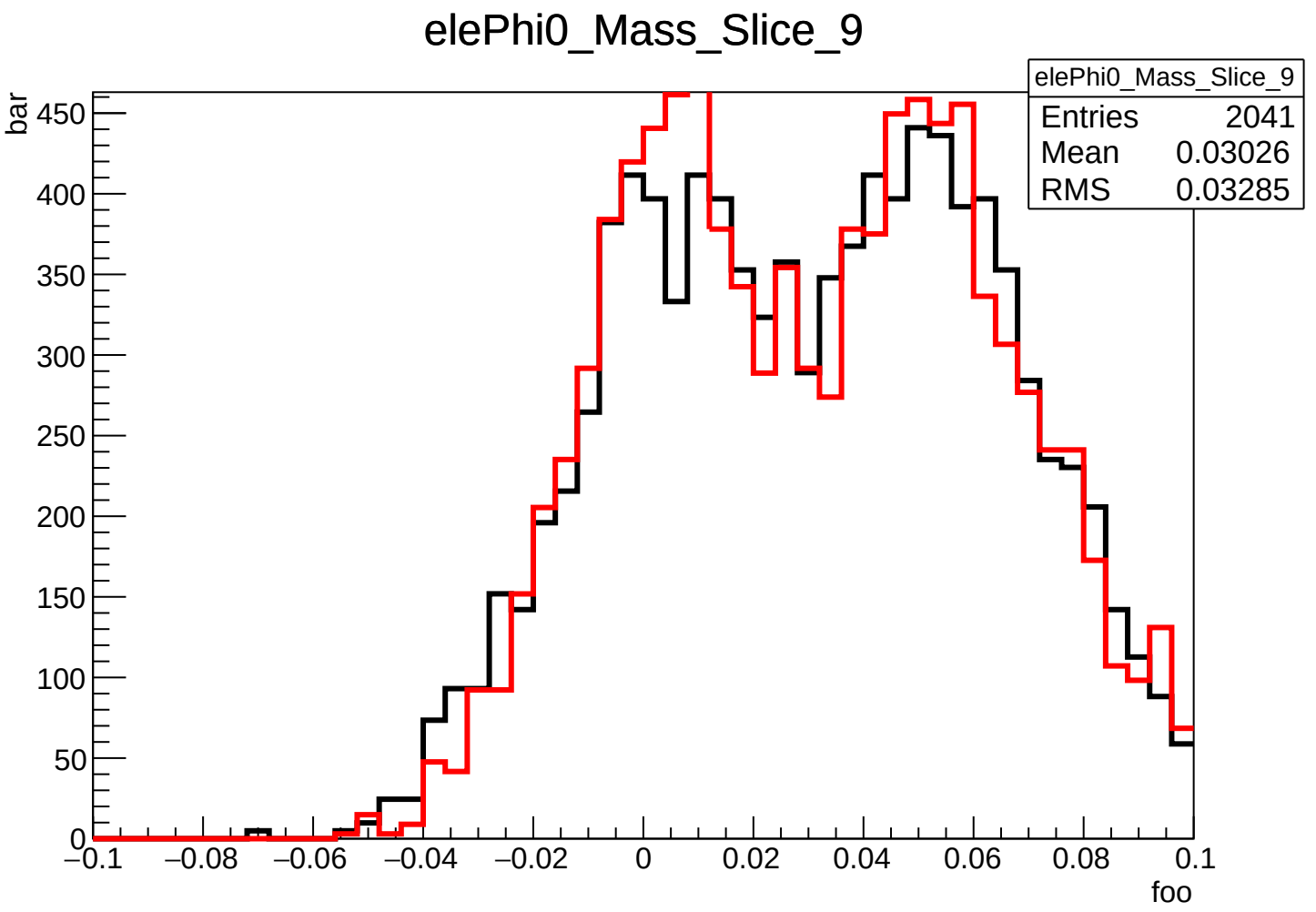

vertZ_Mass_Slice_8
vertZ_Mass_Slice_8
Entries 3336
Mean −0.8106
RMS 3.791
bar
1200
1000
800
600
400
200
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

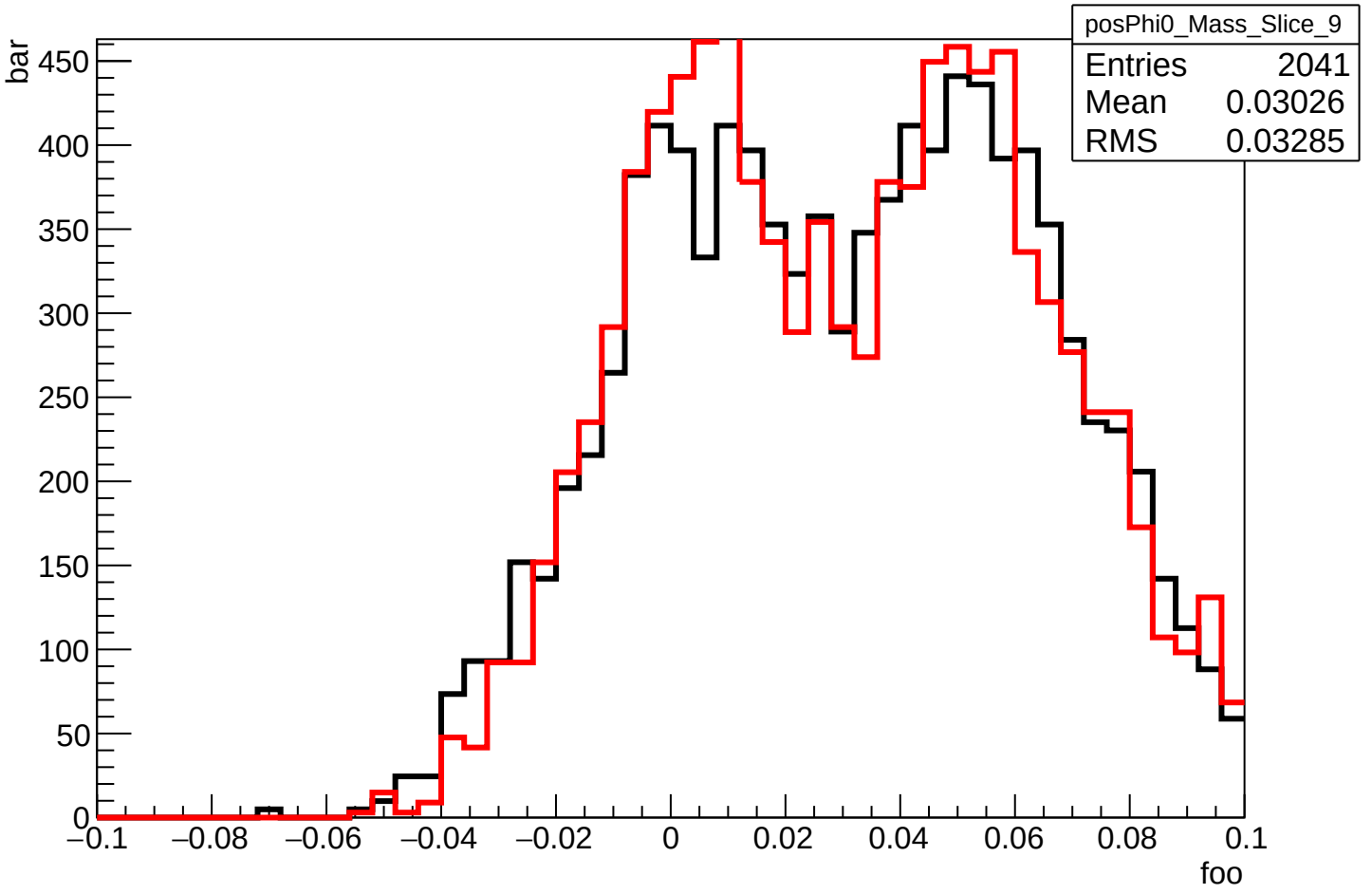

eleMom_Mass_Slice_9
eleMom_Mass_Slice_9
Entries 2041
Mean 0.5067
RMS 0.1143
bar
foo
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

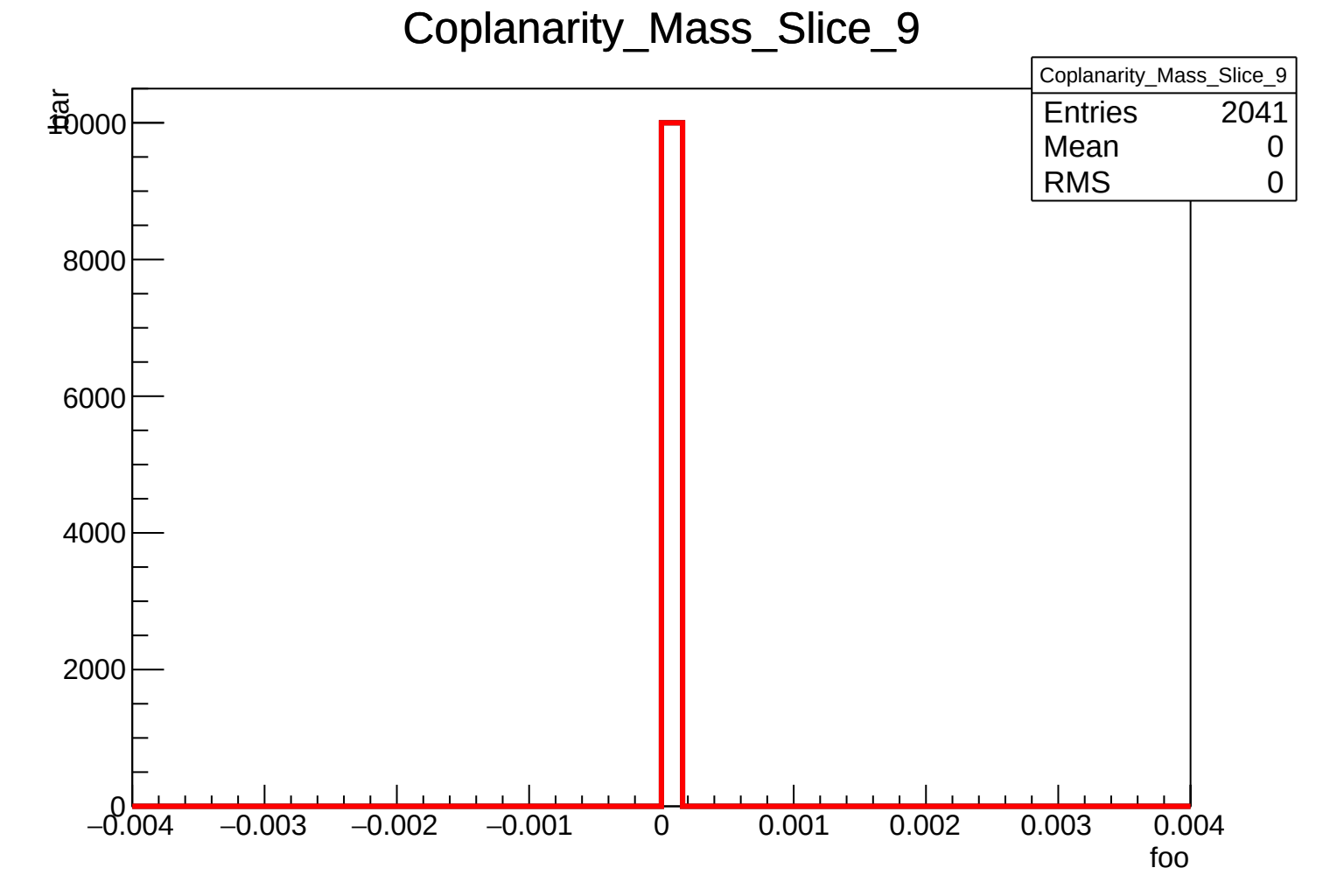

posMom_Mass_Slice_9
posMom_Mass_Slice_9
Entries 2041
Mean 0.4727
RMS 0.1086
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

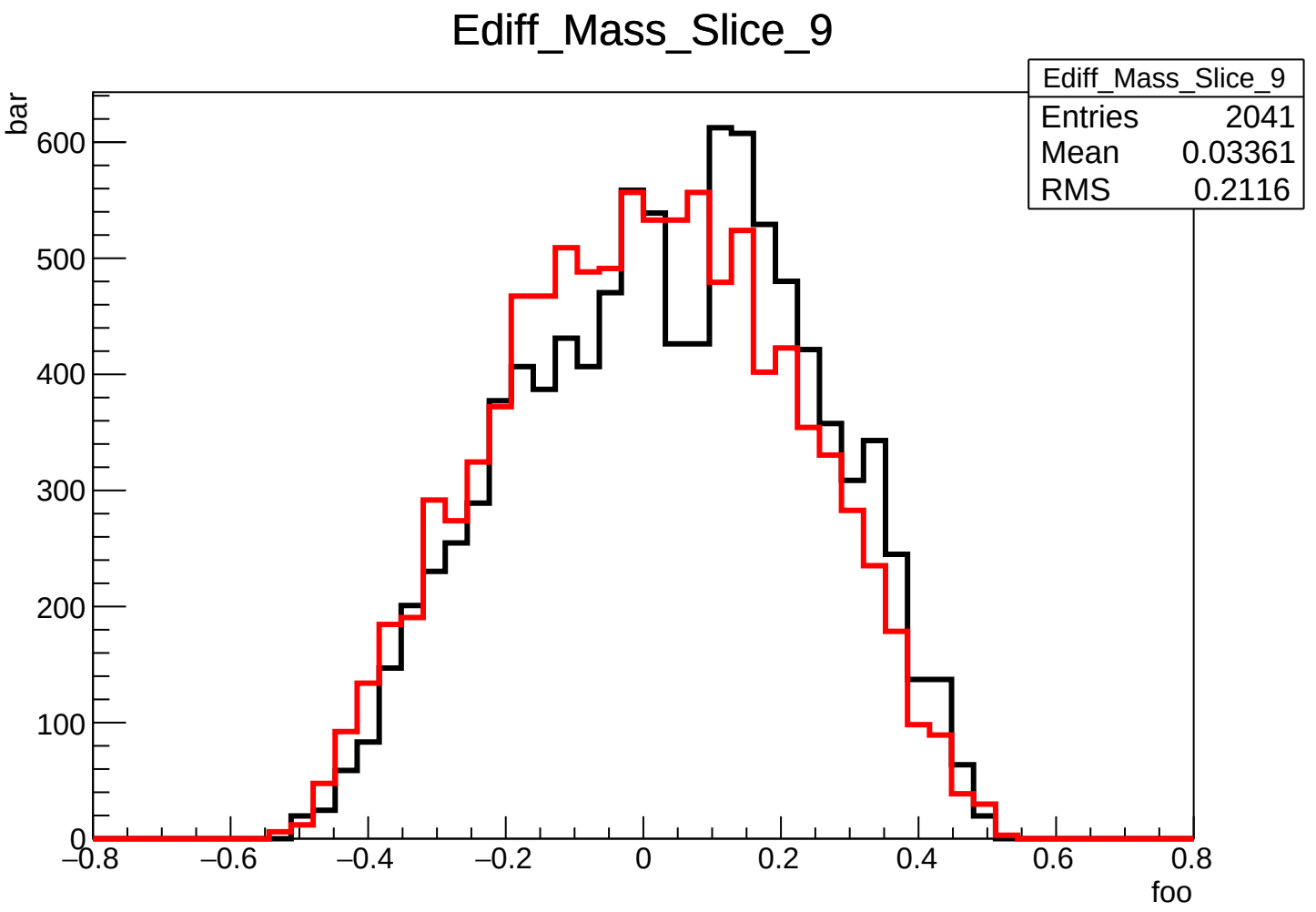

eleTheta_Mass_Slice_9
eleTheta_Mass_Slice_9
Entries 2041
Mean 8.922e−05
RMS 0.04655
bar
foo
0
100
200
300
400
500
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08

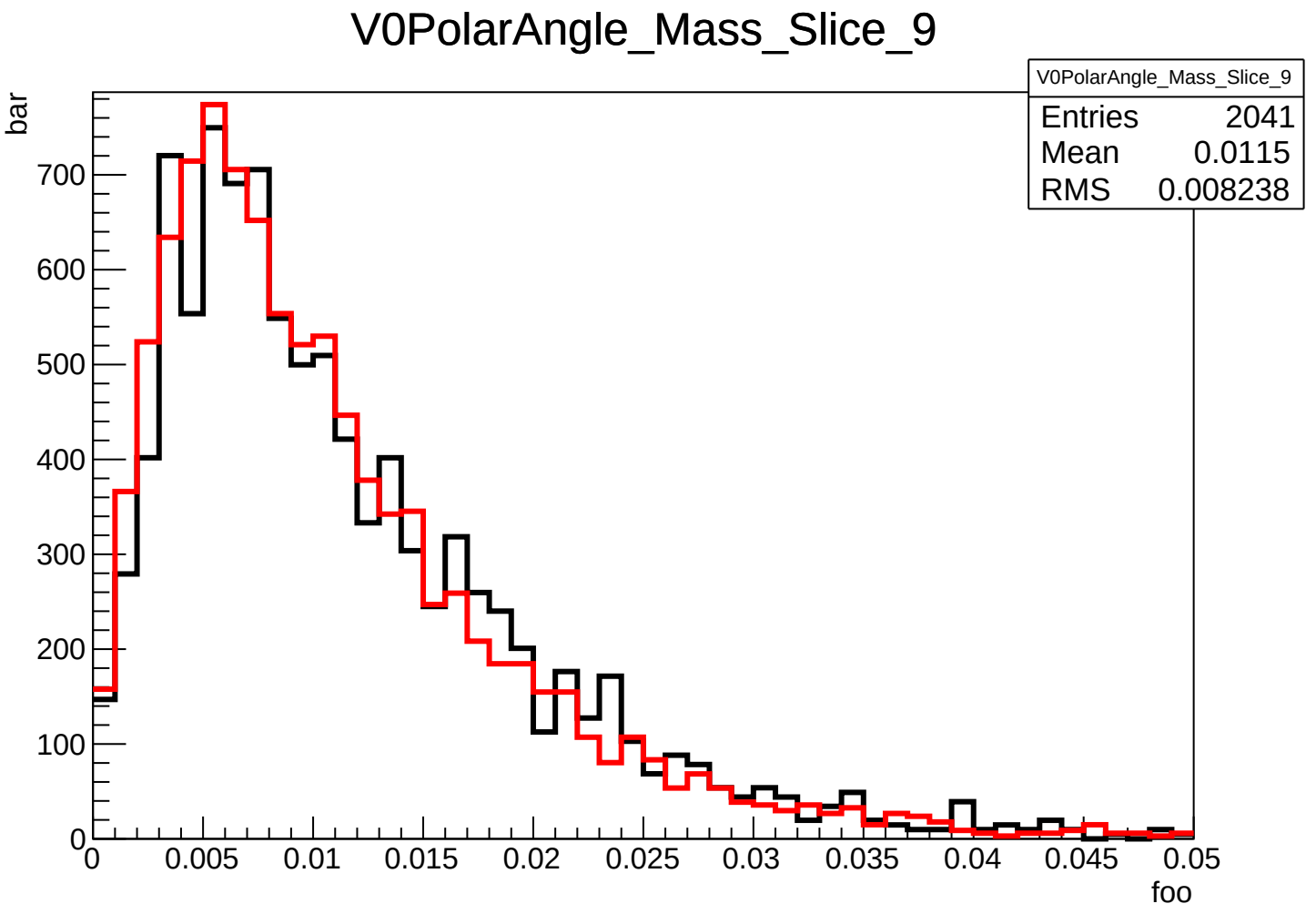

posTheta_Mass_Slice_9
posTheta_Mass_Slice_9
Entries 2041
Mean 8.922e−05
RMS 0.04655
bar
foo
0
100
200
300
400
500
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08

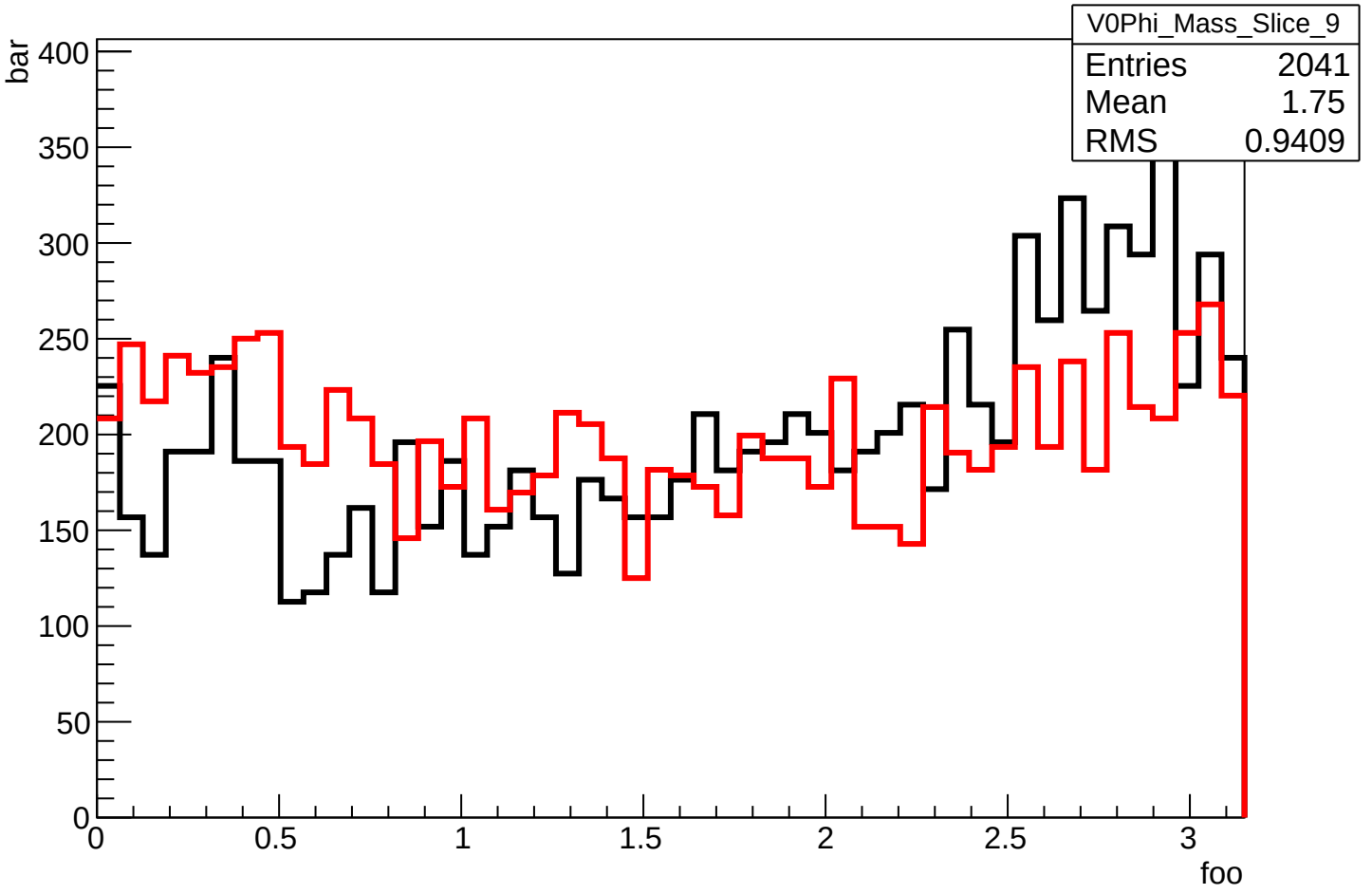

elePhi0_Mass_Slice_9
elePhi0_Mass_Slice_9
Entries 2041
Mean 0.03026
RMS 0.03285
bar
foo
0
50
100
150
200
250
300
350
400
450
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

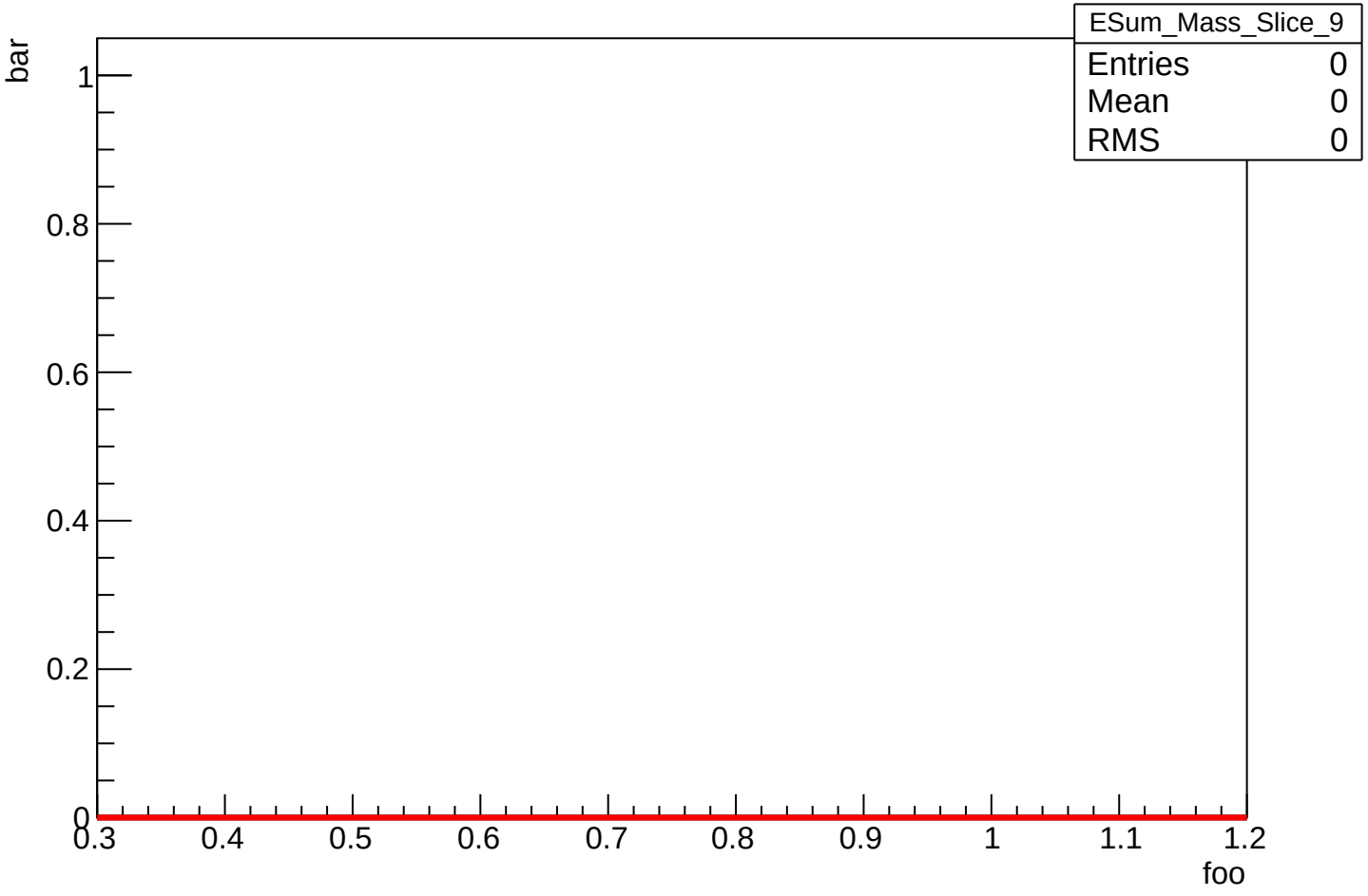

posPhi0_Mass_Slice_9
posPhi0_Mass_Slice_9
Entries 2041
Mean 0.03026
RMS 0.03285
bar
foo
0
50
100
150
200
250
300
350
400
450
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

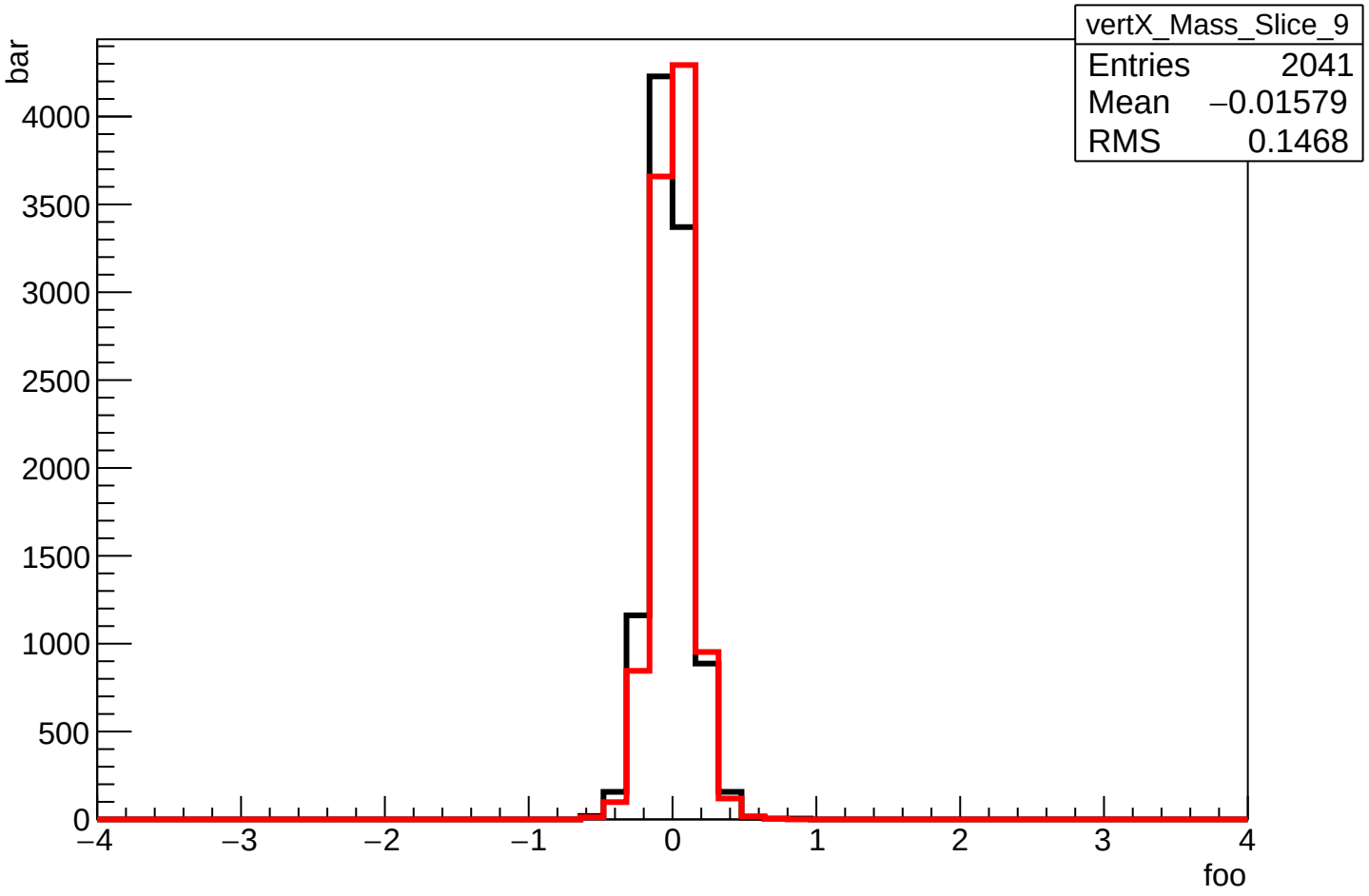

Coplanarity_Mass_Slice_9
Coplanarity_Mass_Slice_9
Entries 2041
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

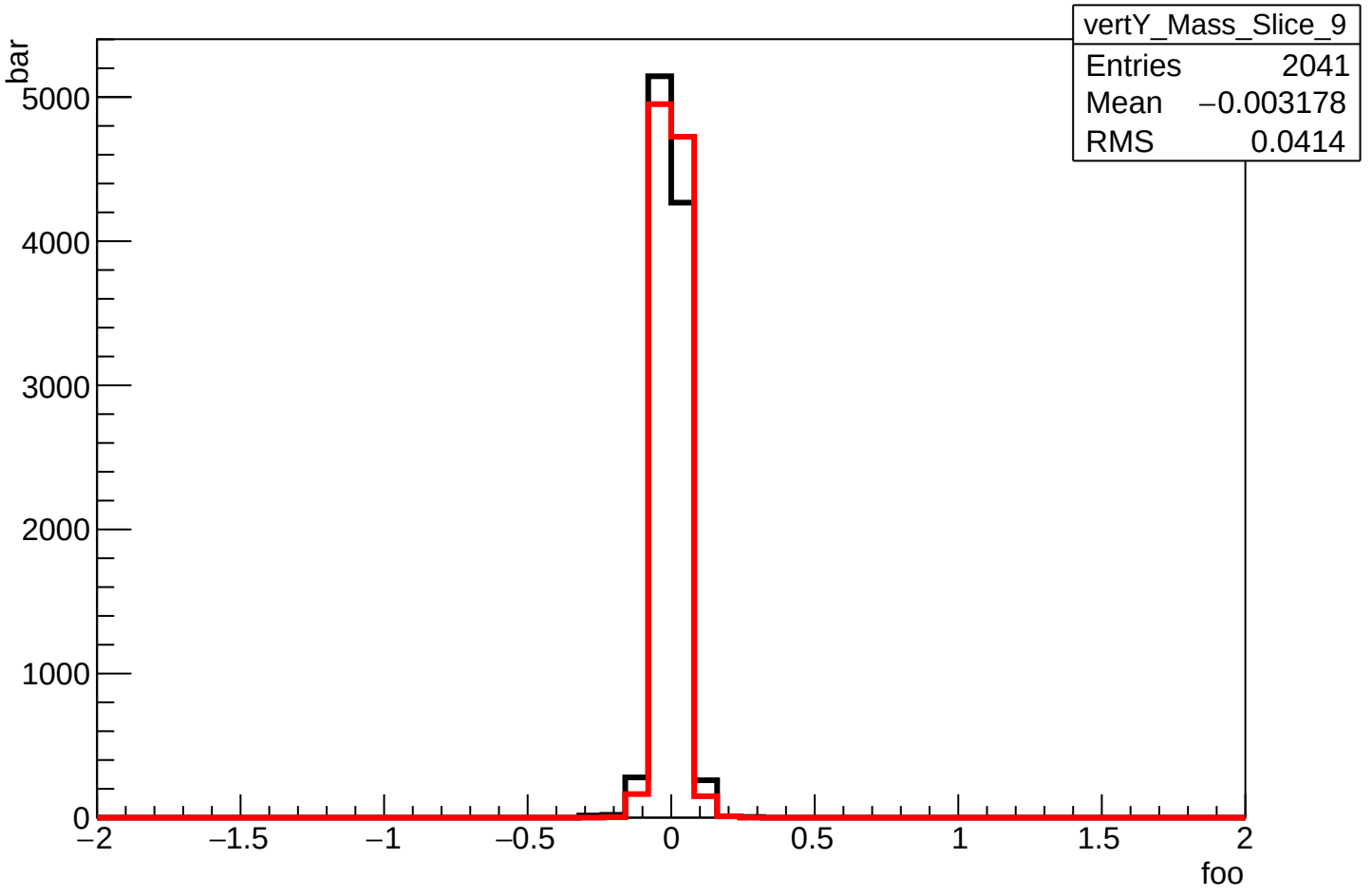

Ediff_Mass_Slice_9
Ediff_Mass_Slice_9
Entries 2041
Mean 0.03361
RMS 0.2116
bar
0
100
200
300
400
500
600
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

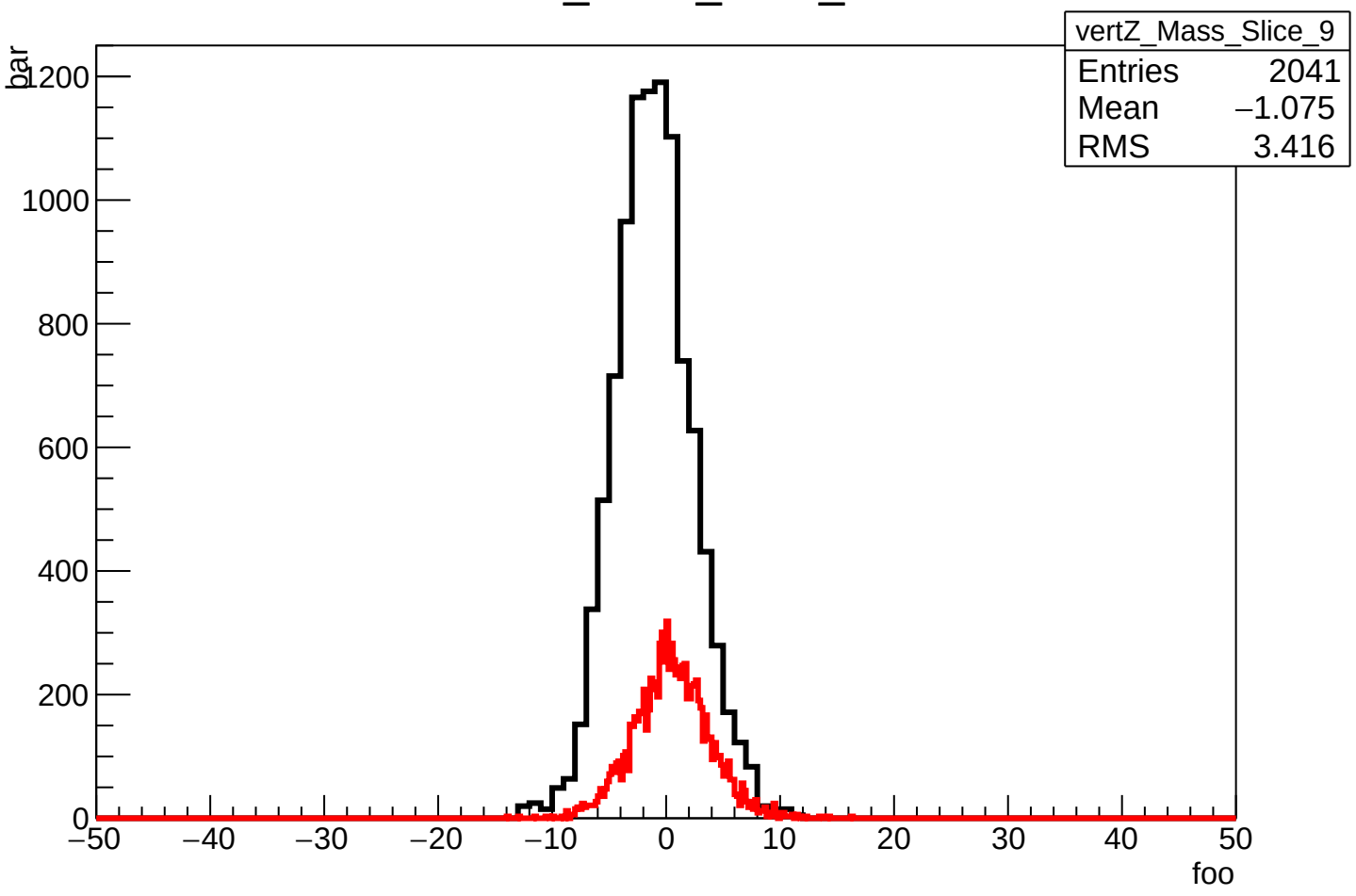

V0PolarAngle_Mass_Slice_9
V0PolarAngle_Mass_Slice_9
Entries 2041
Mean 0.0115
RMS 0.008238
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

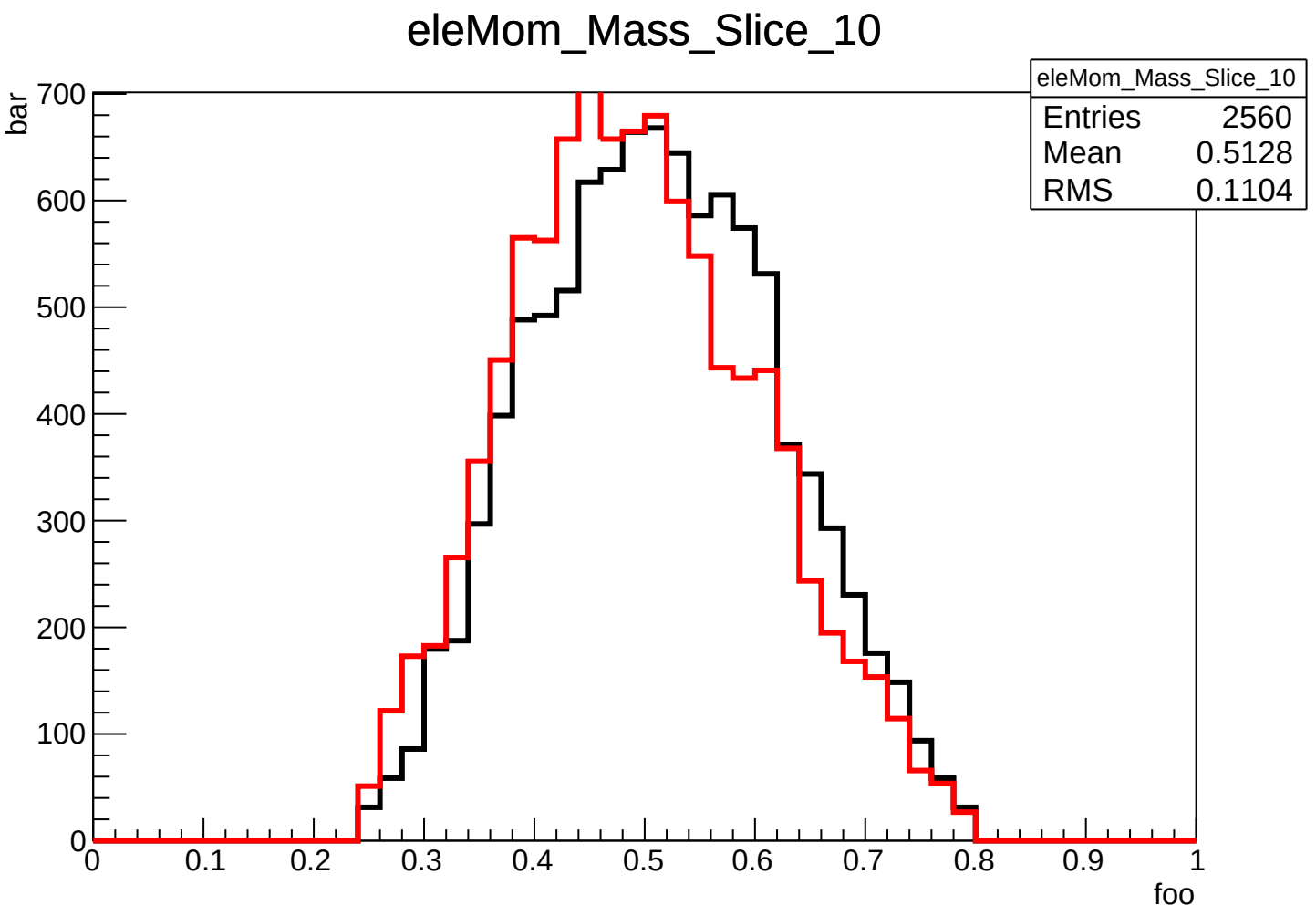

V0Phi_Mass_Slice_9
V0Phi_Mass_Slice_9
Entries 2041
Mean 1.75
RMS 0.9409
bar
foo
0
50
100
150
200
250
300
350
400
0
0.5
1
1.5
2
2.5
3

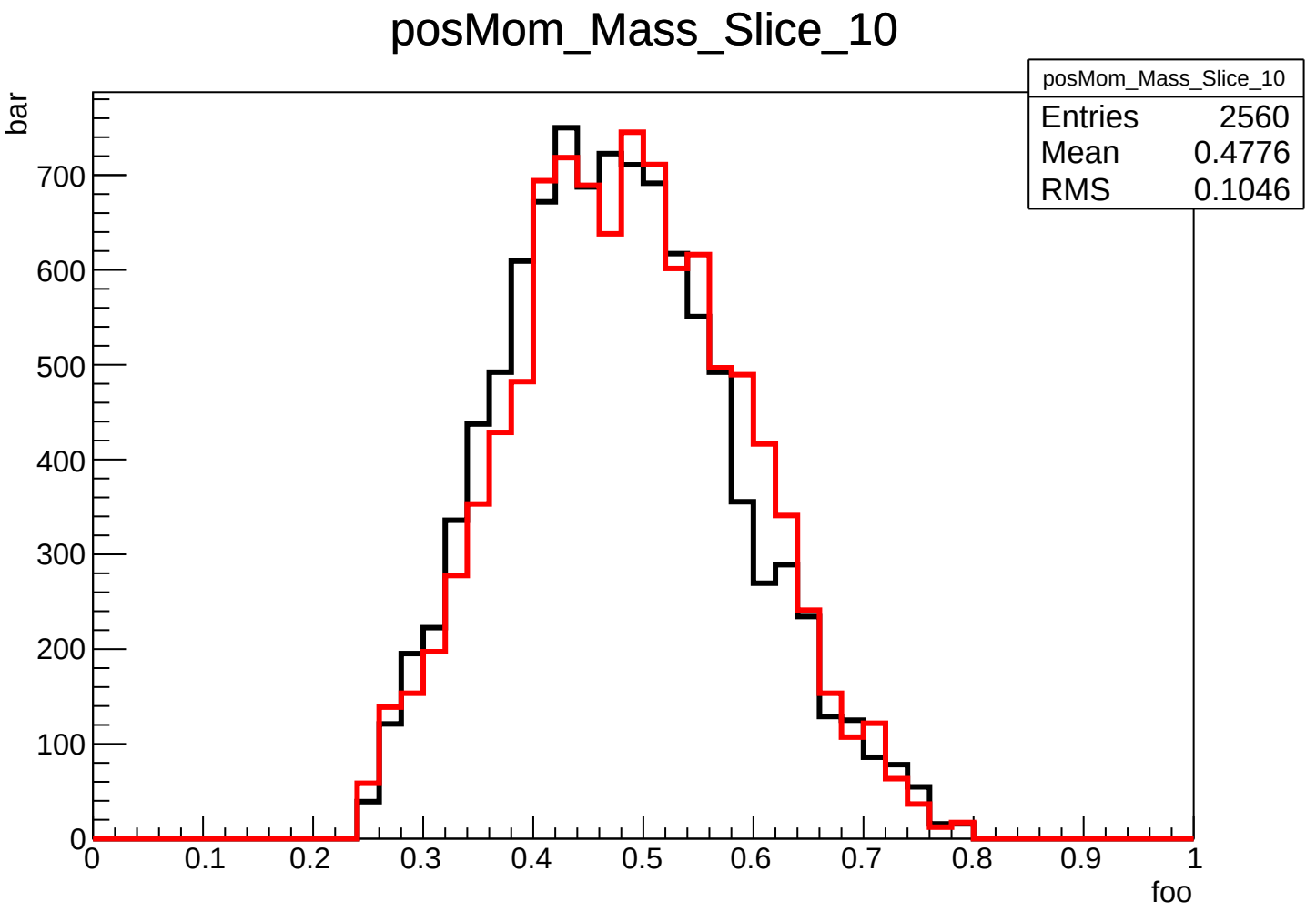

ESum_Mass_Slice_9
ESum_Mass_Slice_9
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

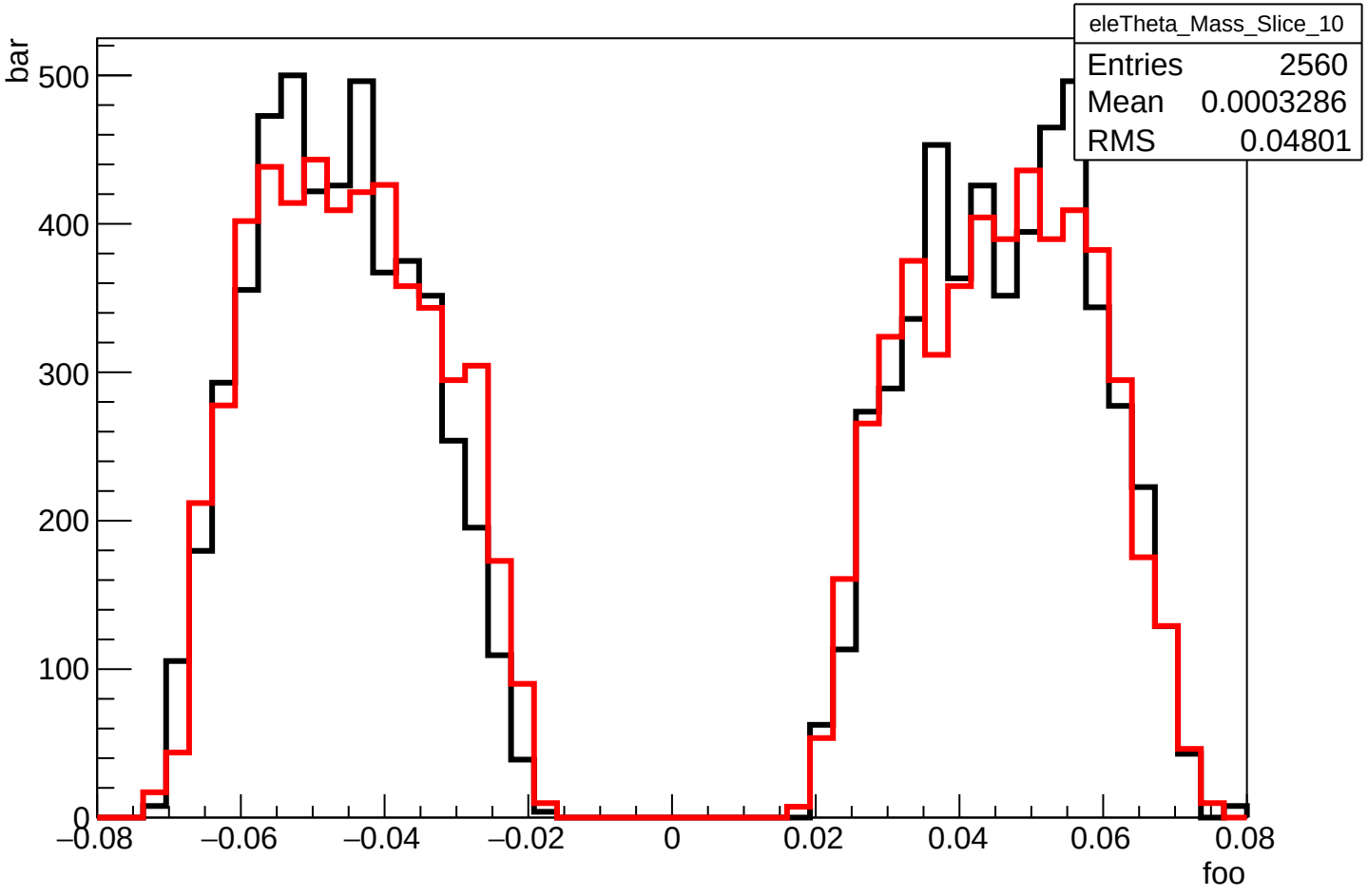

vertX_Mass_Slice_9
vertX_Mass_Slice_9
Entries 2041
Mean −0.01579
RMS 0.1468
bar
4000
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

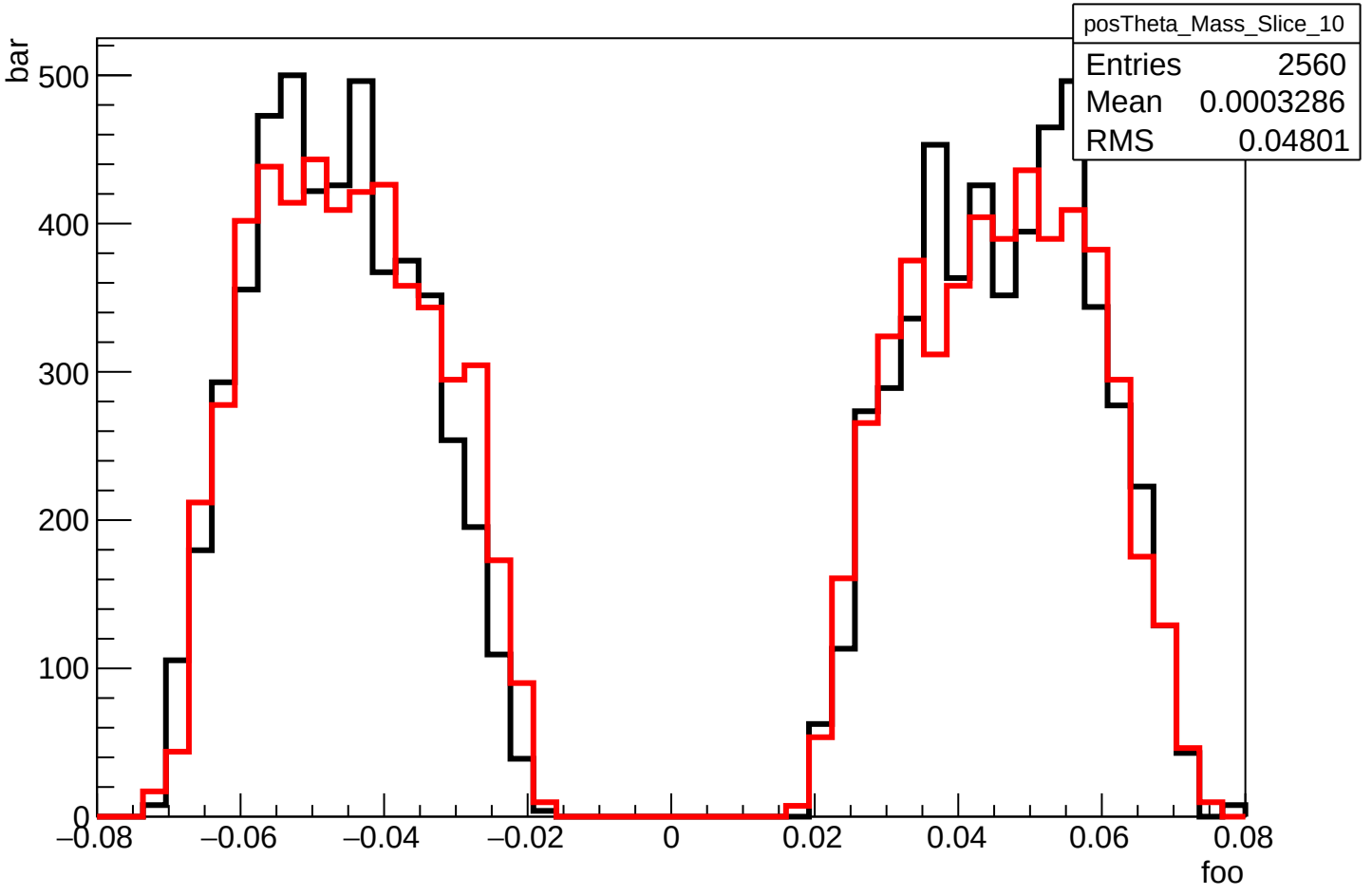

vertY_Mass_Slice_9
vertY_Mass_Slice_9
Entries 2041
Mean −0.003178
RMS 0.0414
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

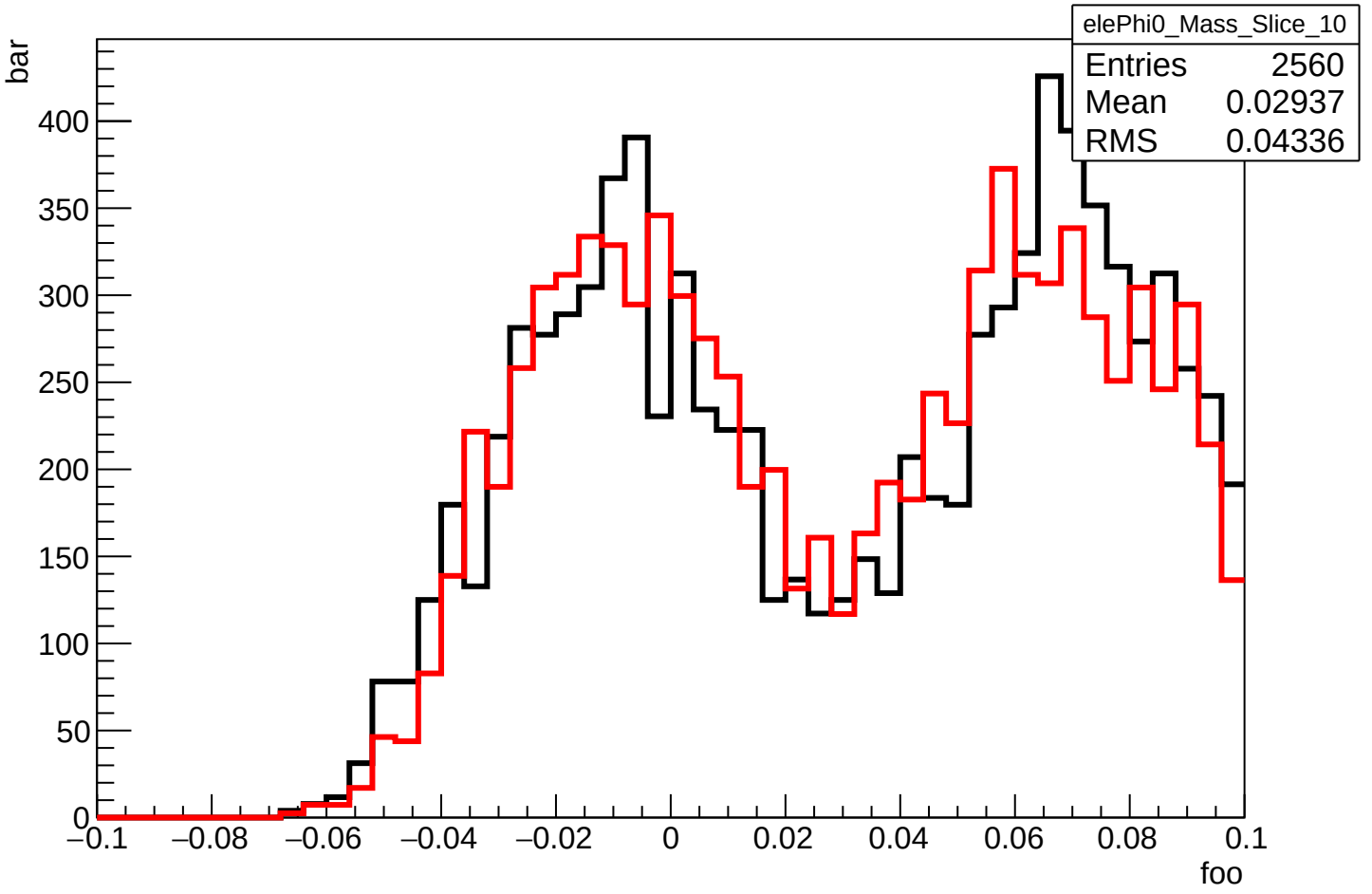

vertZ_Mass_Slice_9
vertZ_Mass_Slice_9
Entries 2041
Mean −1.075
RMS 3.416
bar
1200
1000
800
600
400
200
0
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

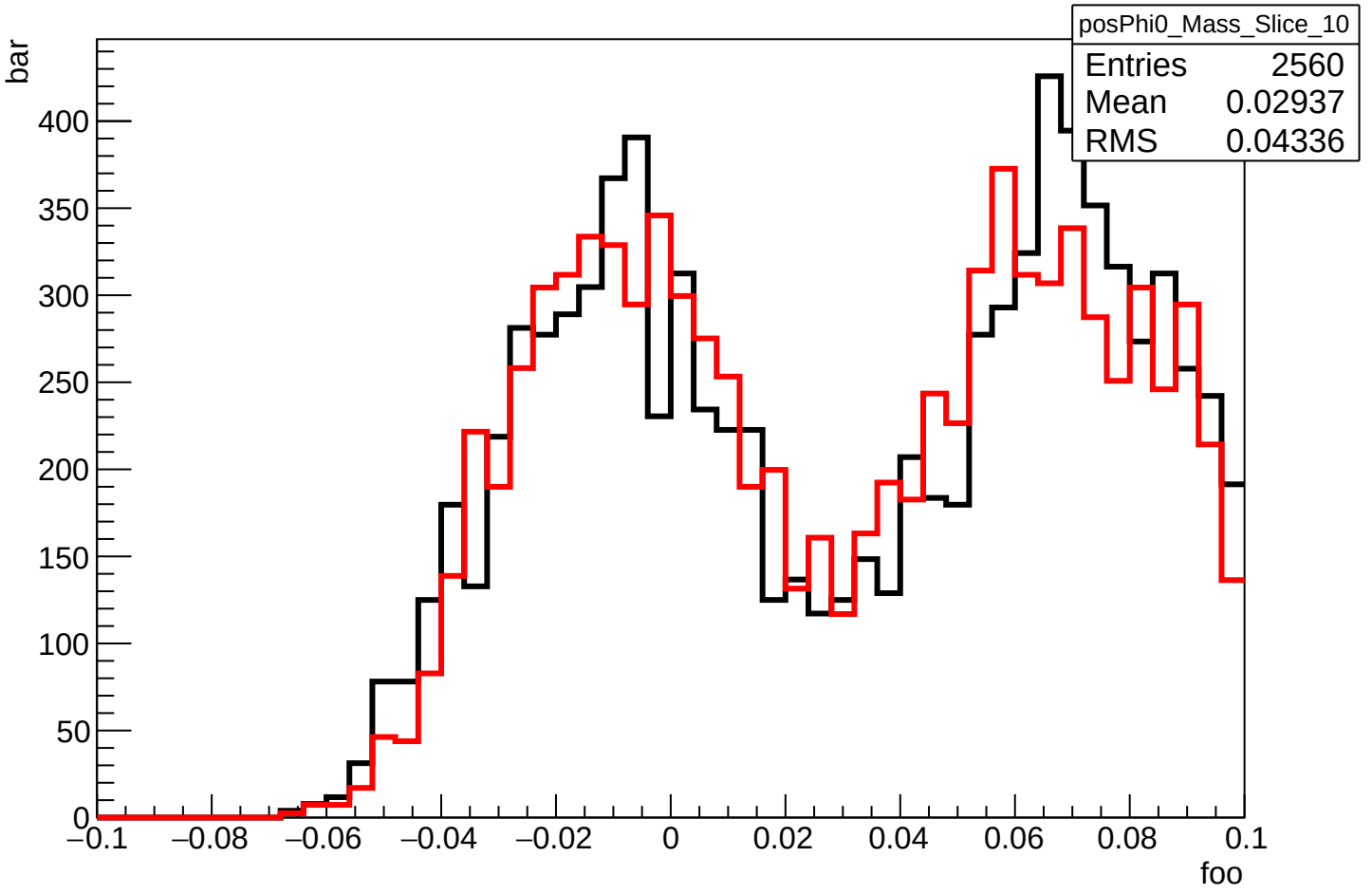

eleMom_Mass_Slice_10
eleMom_Mass_Slice_10
Entries 2560
Mean 0.5128
RMS 0.1104
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

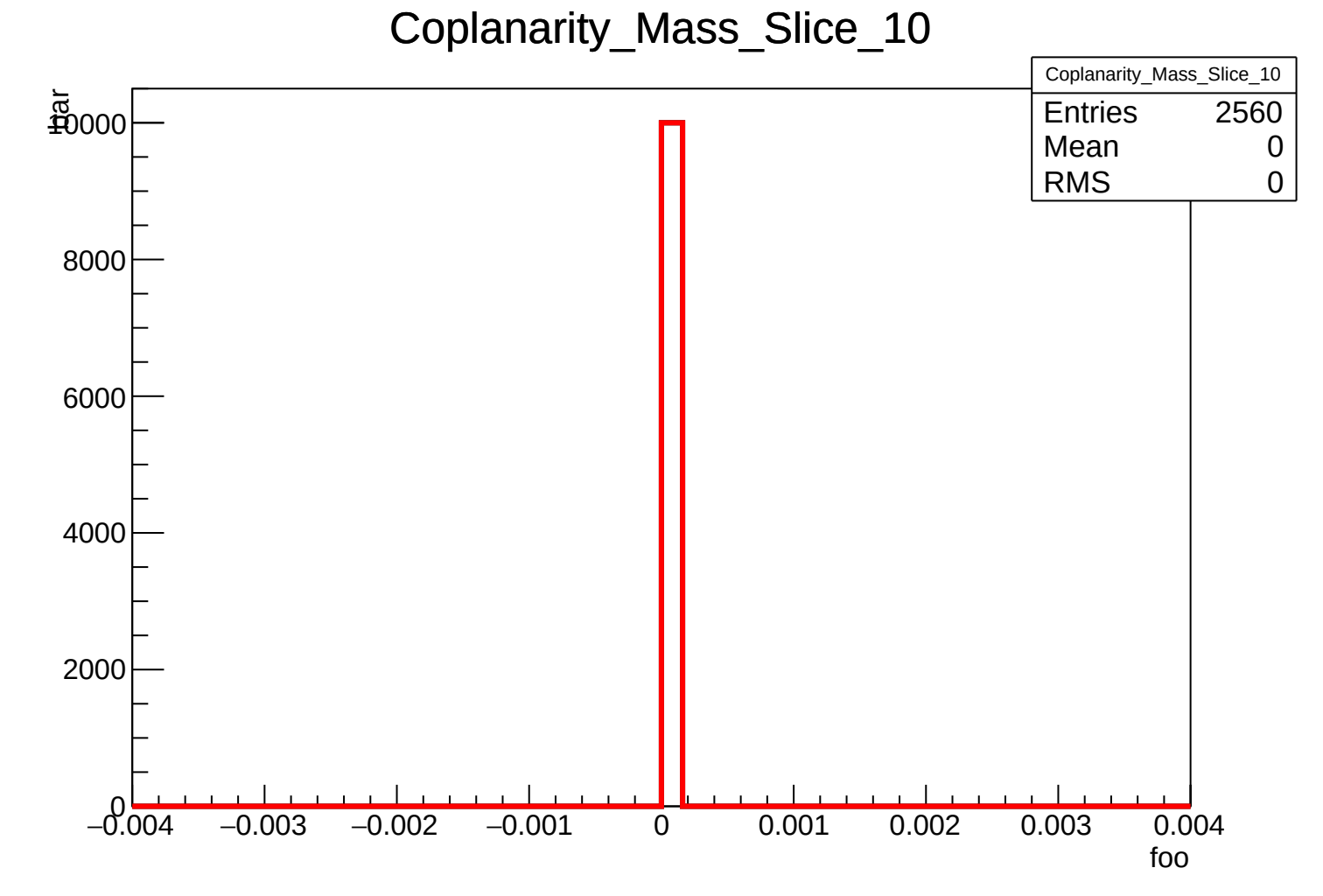

posMom_Mass_Slice_10
posMom_Mass_Slice_10
Entries 2560
Mean 0.4776
RMS 0.1046
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

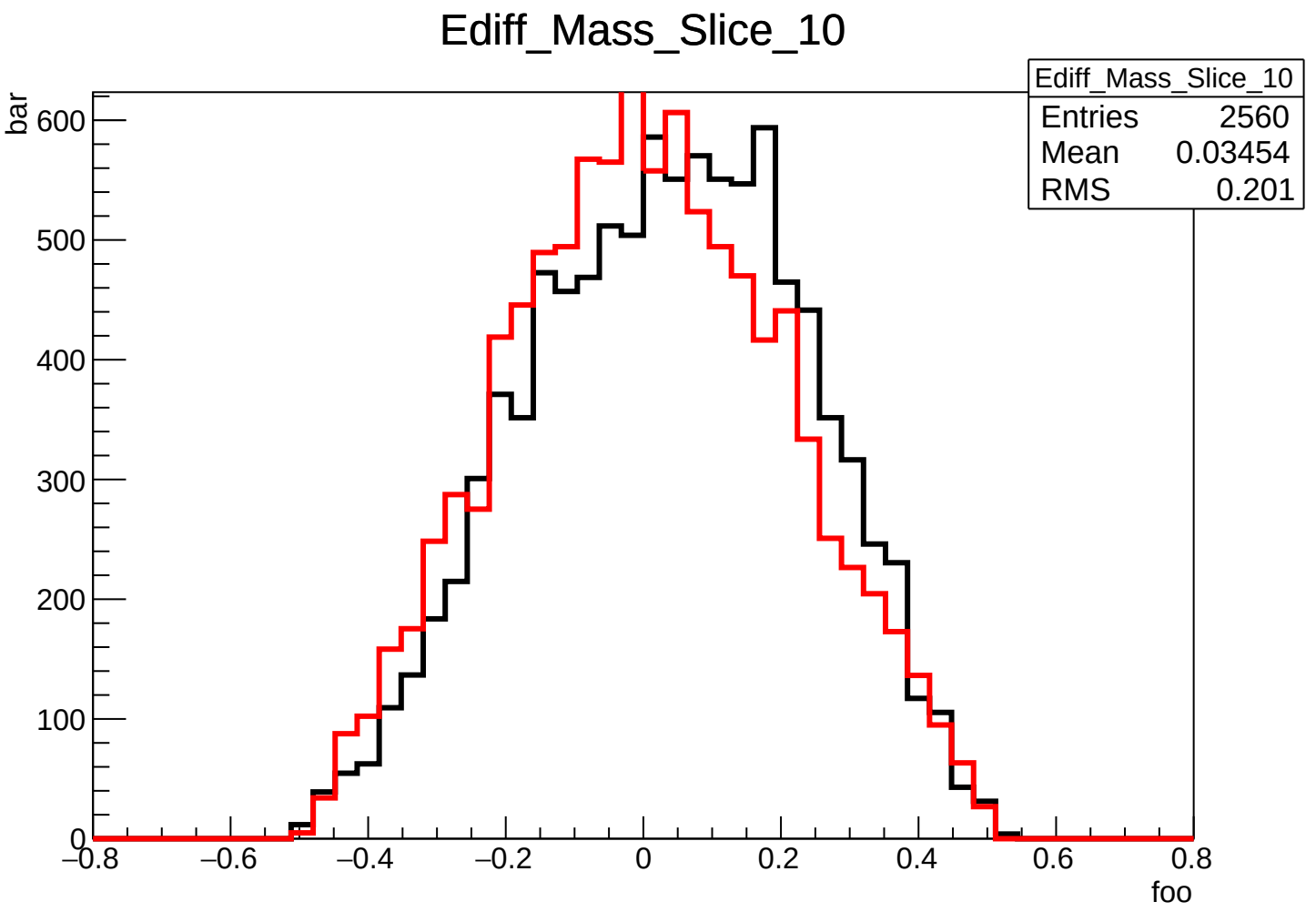

eleTheta_Mass_Slice_10
eleTheta_Mass_Slice_10
Entries 2560
Mean 0.0003286
RMS 0.04801
bar
foo
0
100
200
300
400
500
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08

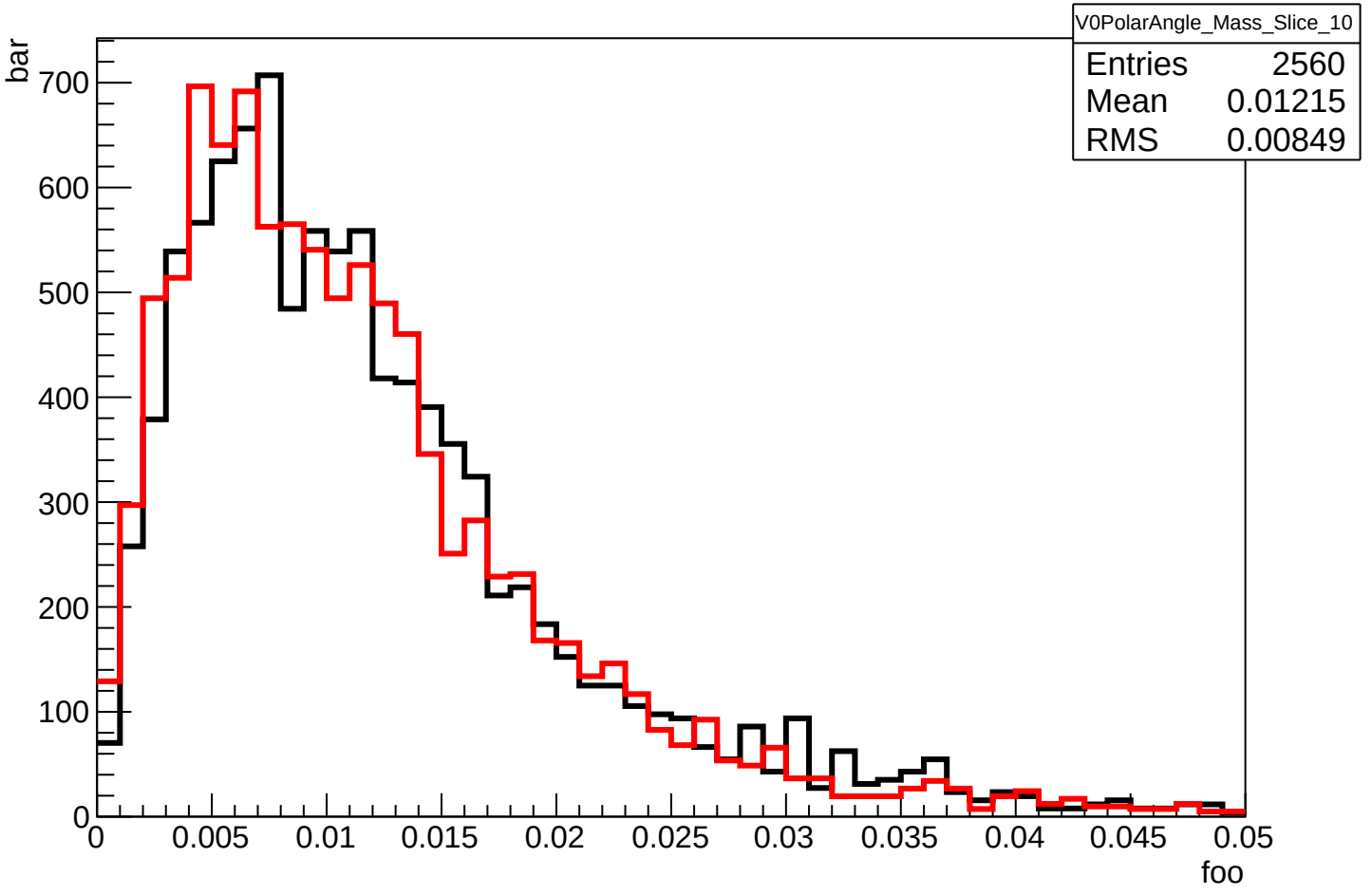

posTheta_Mass_Slice_10
posTheta_Mass_Slice_10
Entries 2560
Mean 0.0003286
RMS 0.04801
bar
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

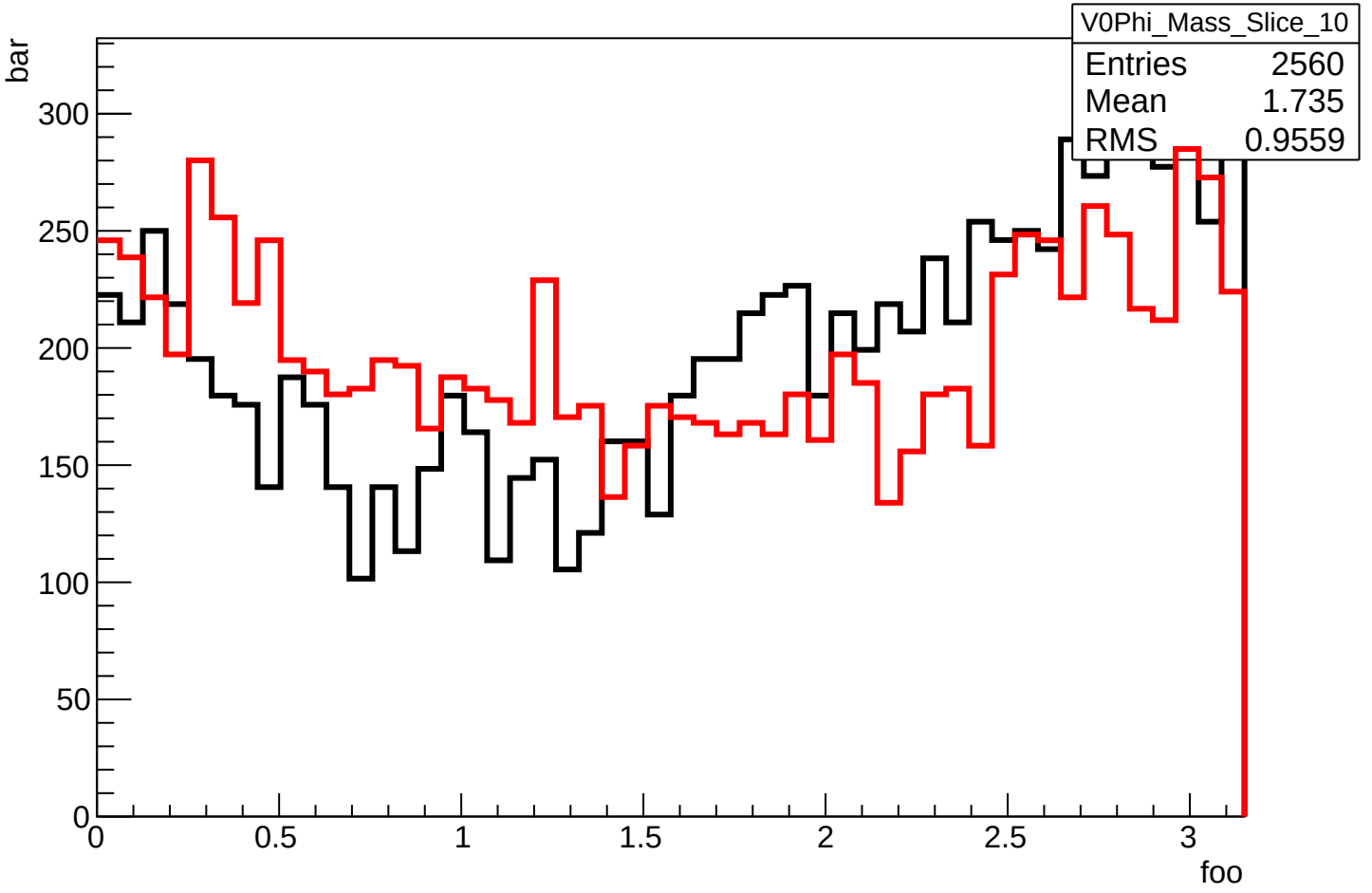

elePhi0_Mass_Slice_10
elePhi0_Mass_Slice_10
Entries 2560
Mean 0.02937
RMS 0.04336
bar
foo
0
50
100
150
200
250
300
350
400
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

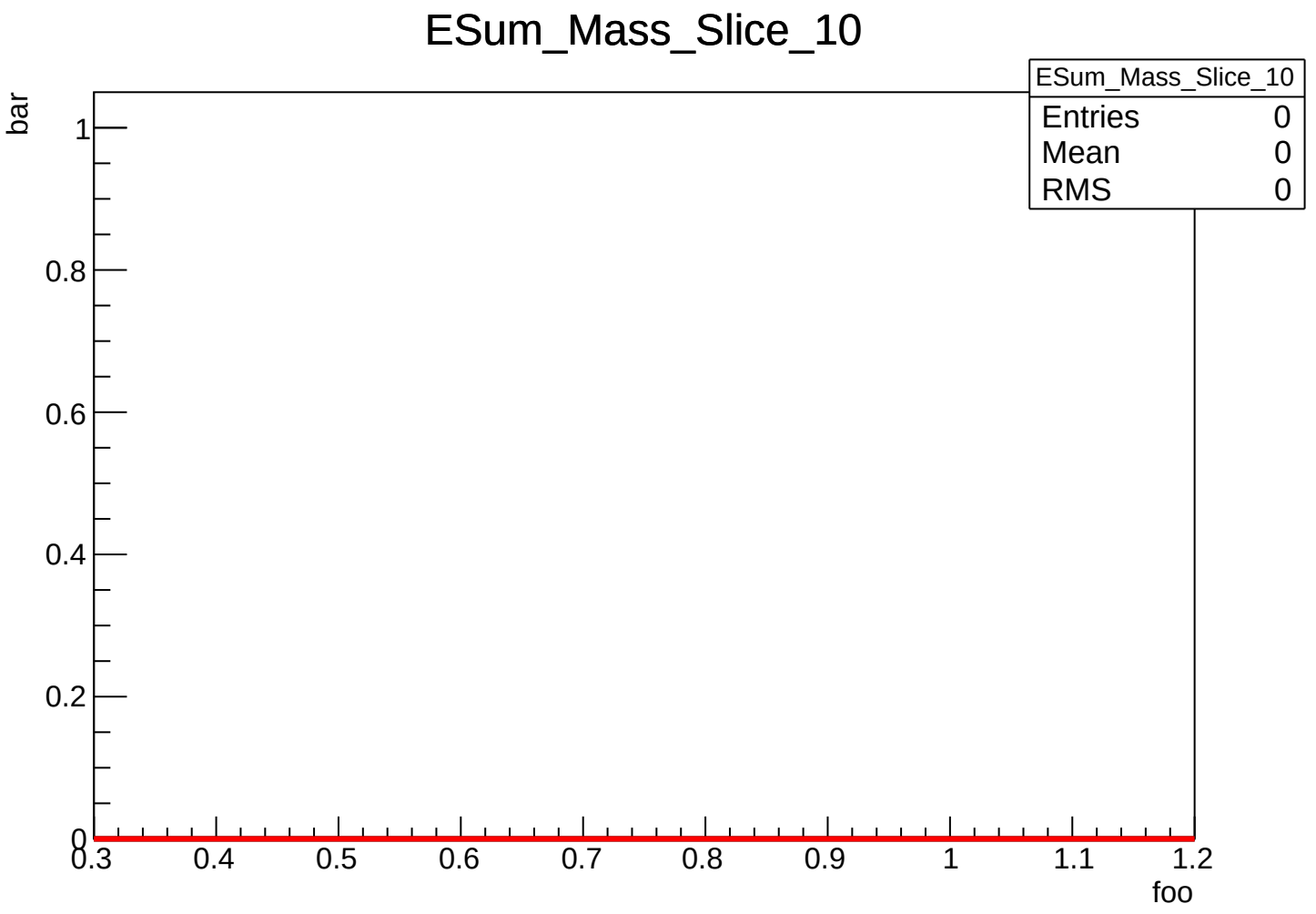

posPhi0_Mass_Slice_10
posPhi0_Mass_Slice_10
Entries 2560
Mean 0.02937
RMS 0.04336
bar
foo
0
50
100
150
200
250
300
350
400
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

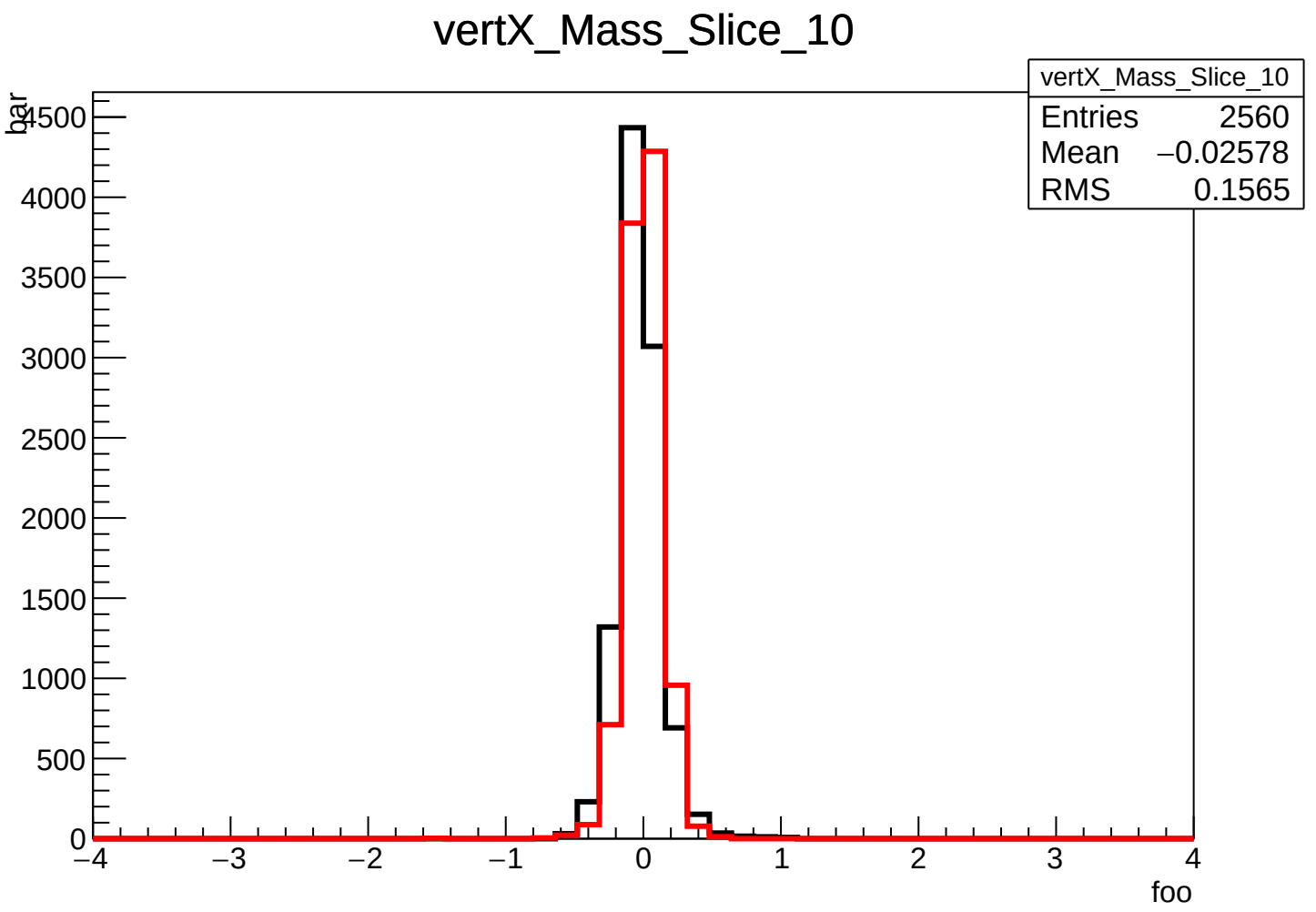

Coplanarity_Mass_Slice_10
Coplanarity_Mass_Slice_10
Entries 2560
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

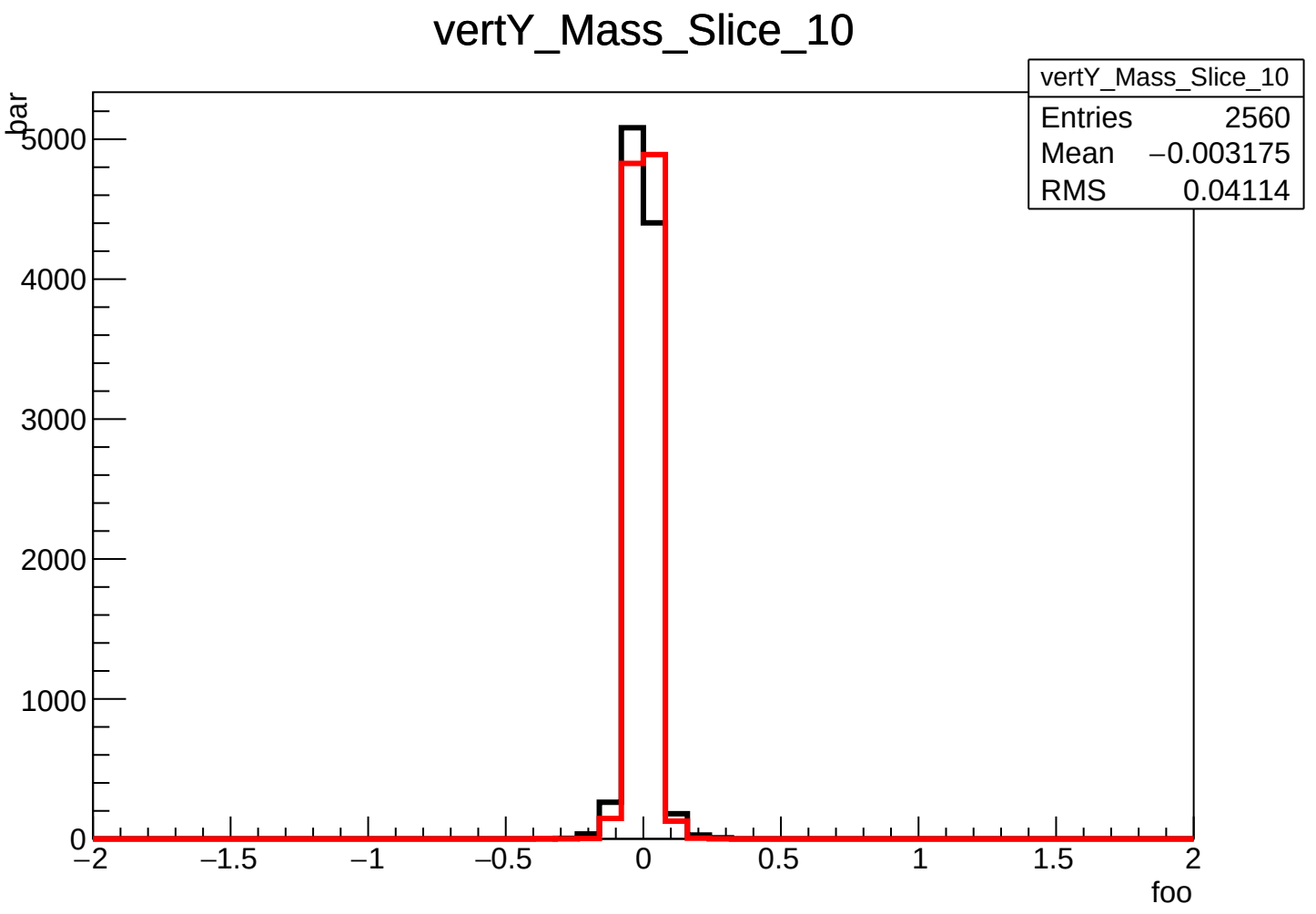

Ediff_Mass_Slice_10
Ediff_Mass_Slice_10
Entries 2560
Mean 0.03454
RMS 0.201
bar
0
100
200
300
400
500
600
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
foo

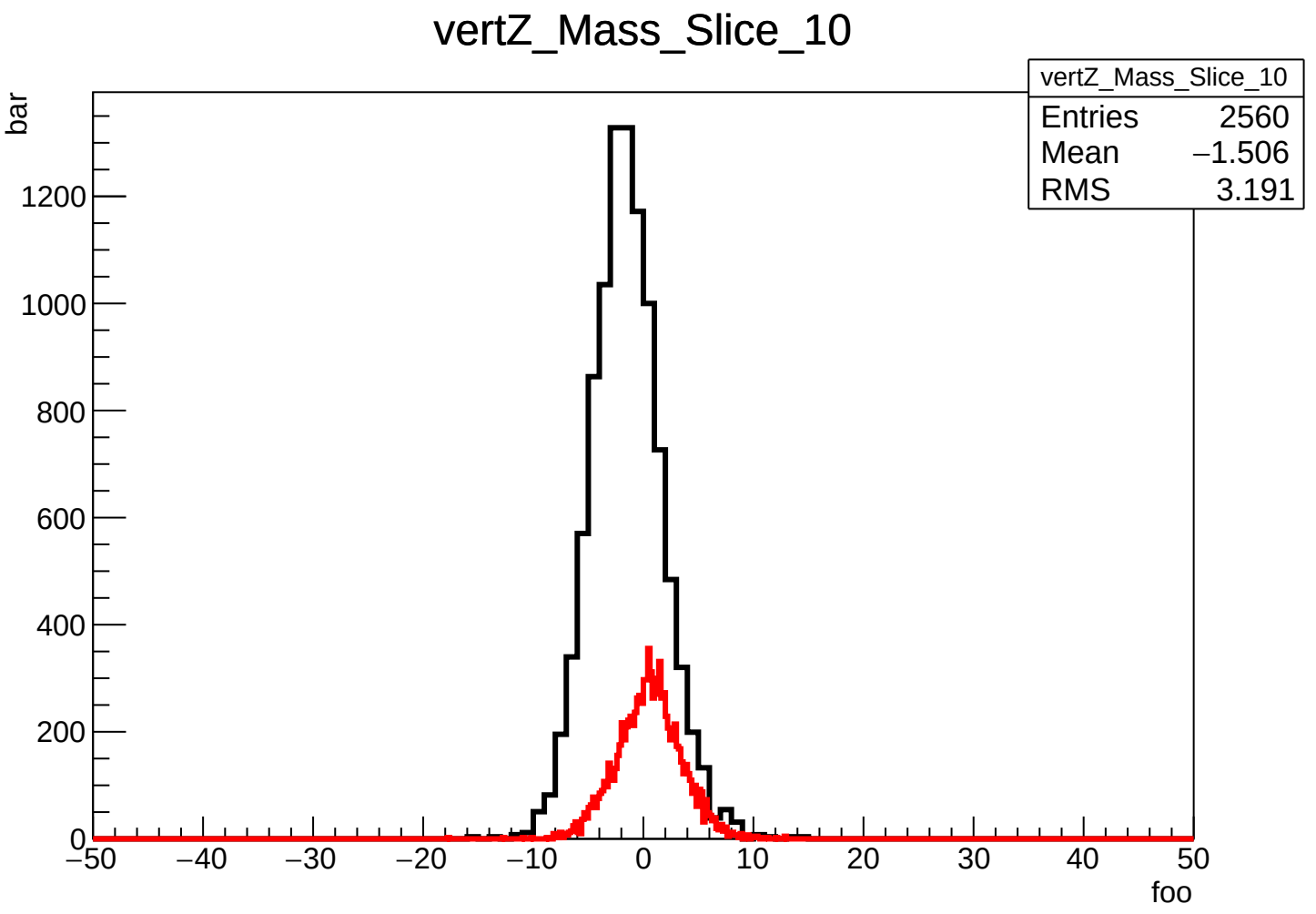

V0PolarAngle_Mass_Slice_10
V0PolarAngle_Mass_Slice_10
Entries 2560
Mean 0.01215
RMS 0.00849
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

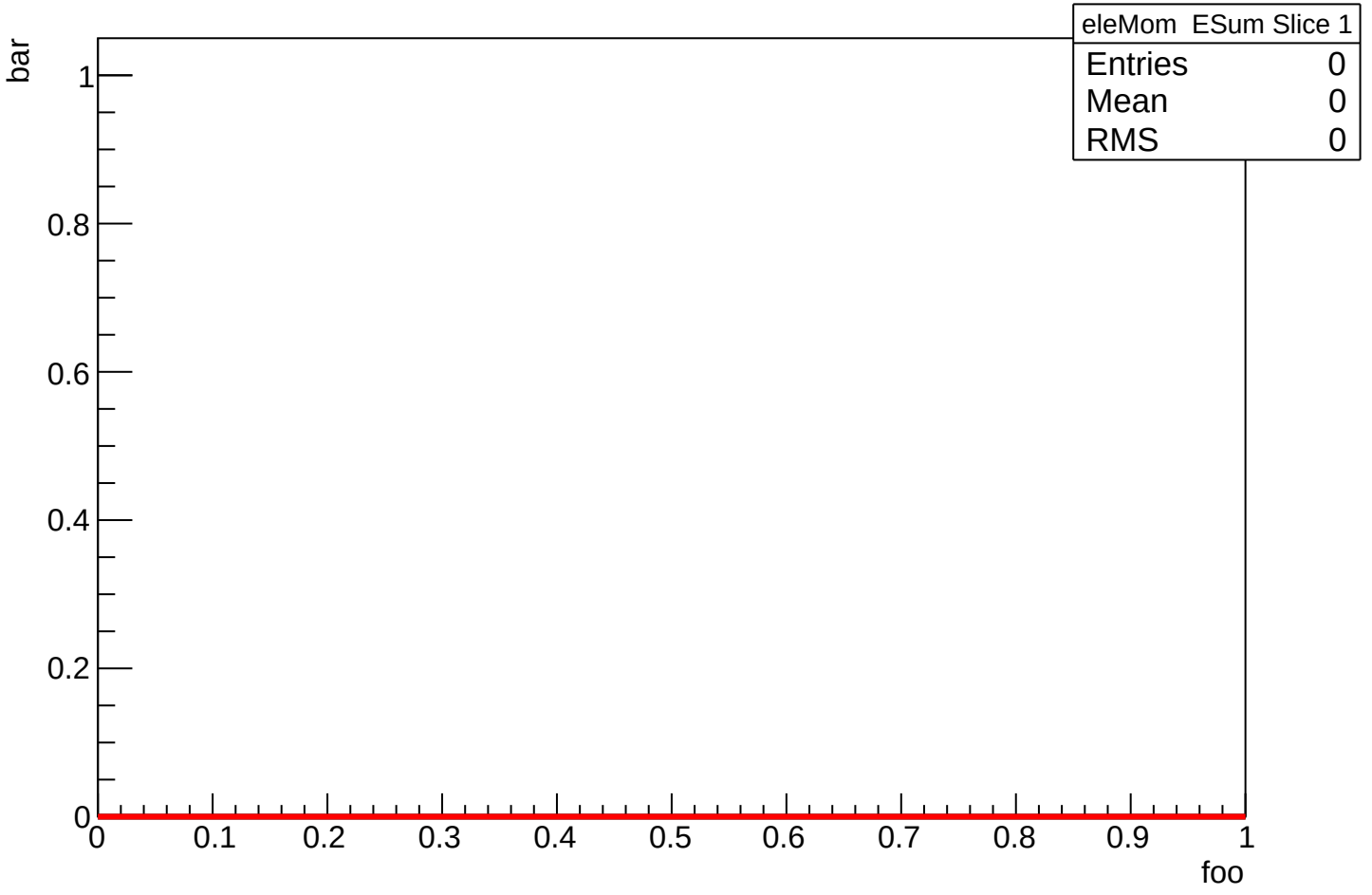

V0Phi_Mass_Slice_10
V0Phi_Mass_Slice_10
Entries 2560
Mean 1.735
RMS 0.9559
bar
foo
0
50
100
150
200
250
300
0
0.5
1
1.5
2
2.5
3

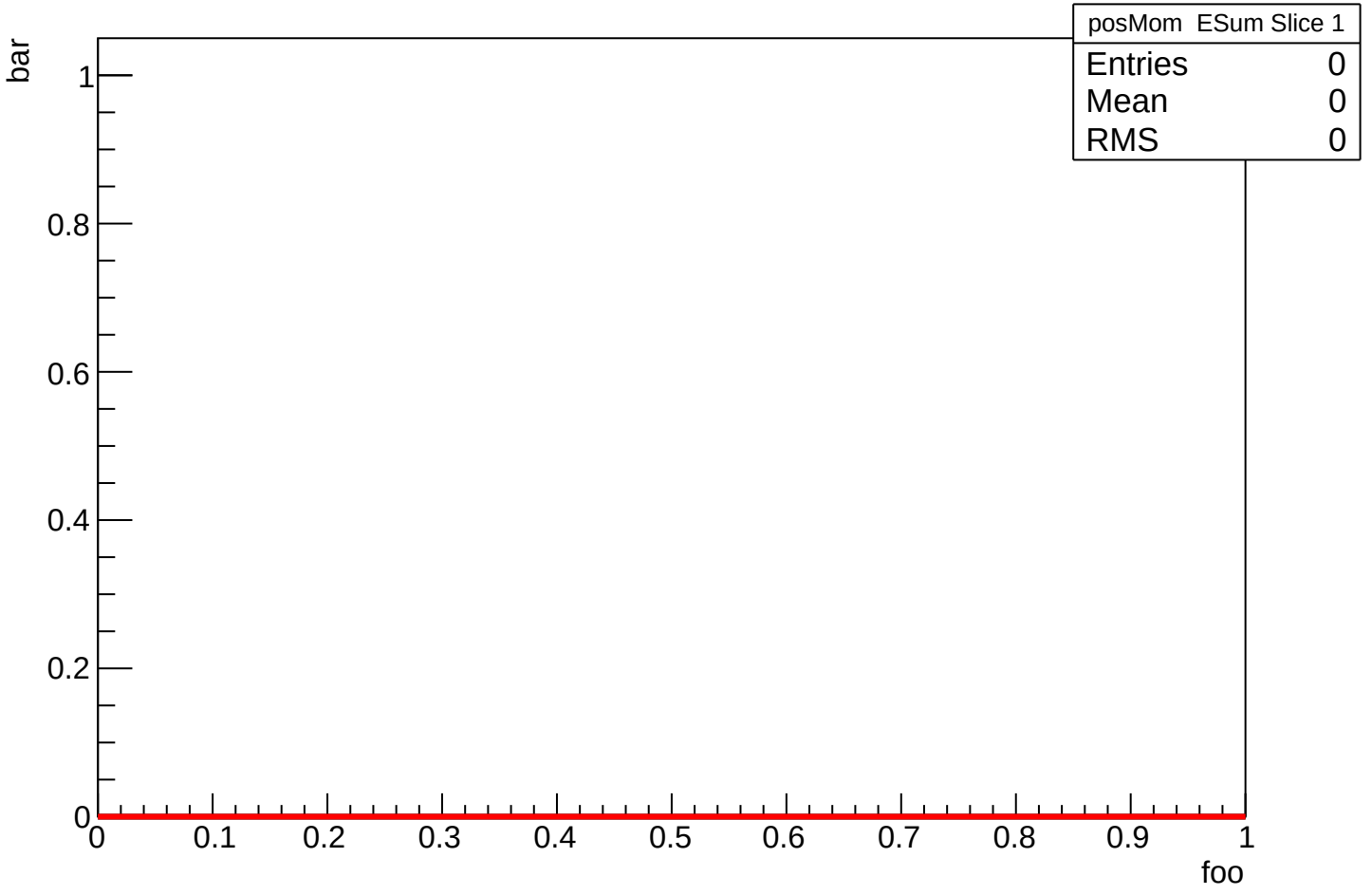

ESum_Mass_Slice_10
ESum_Mass_Slice_10
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
foo

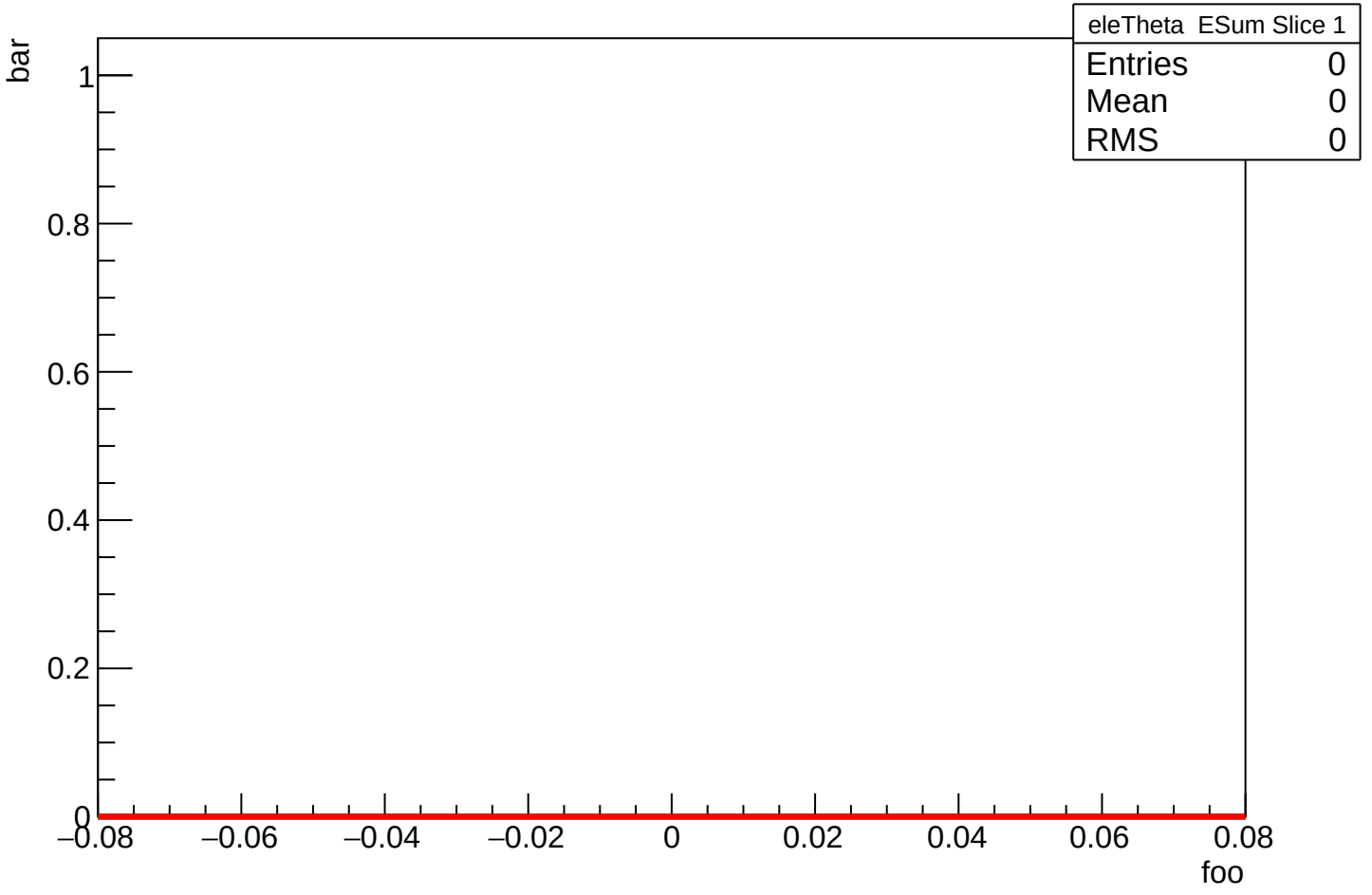

vertX_Mass_Slice_10
vertX_Mass_Slice_10
Entries 2560
Mean −0.02578
RMS 0.1565
bar
4500
4000
3500
3000
2500
2000
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
foo

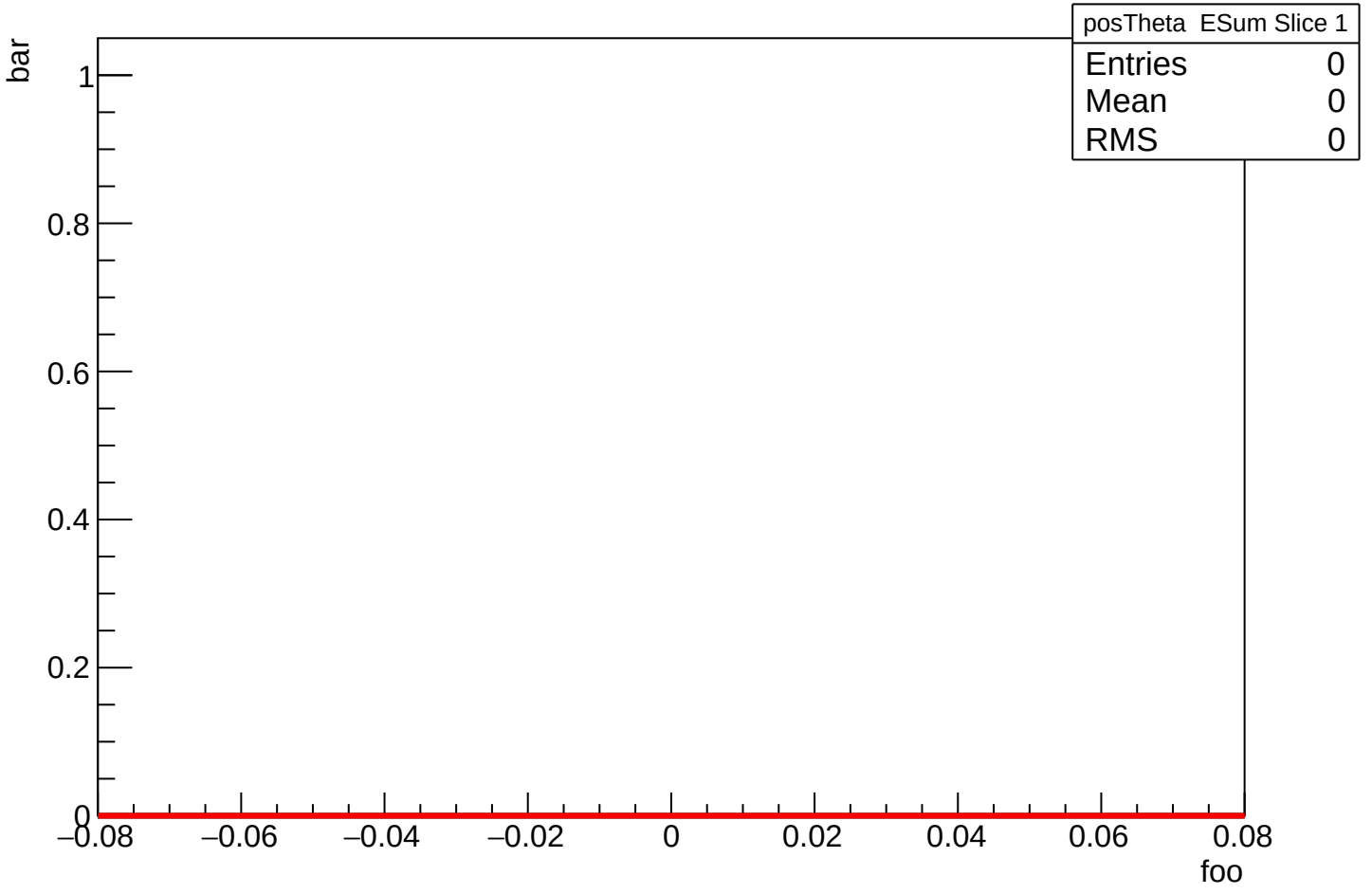

vertY_Mass_Slice_10
vertY_Mass_Slice_10
Entries 2560
Mean −0.003175
RMS 0.04114
bar
5000
4000
3000
2000
1000
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
foo

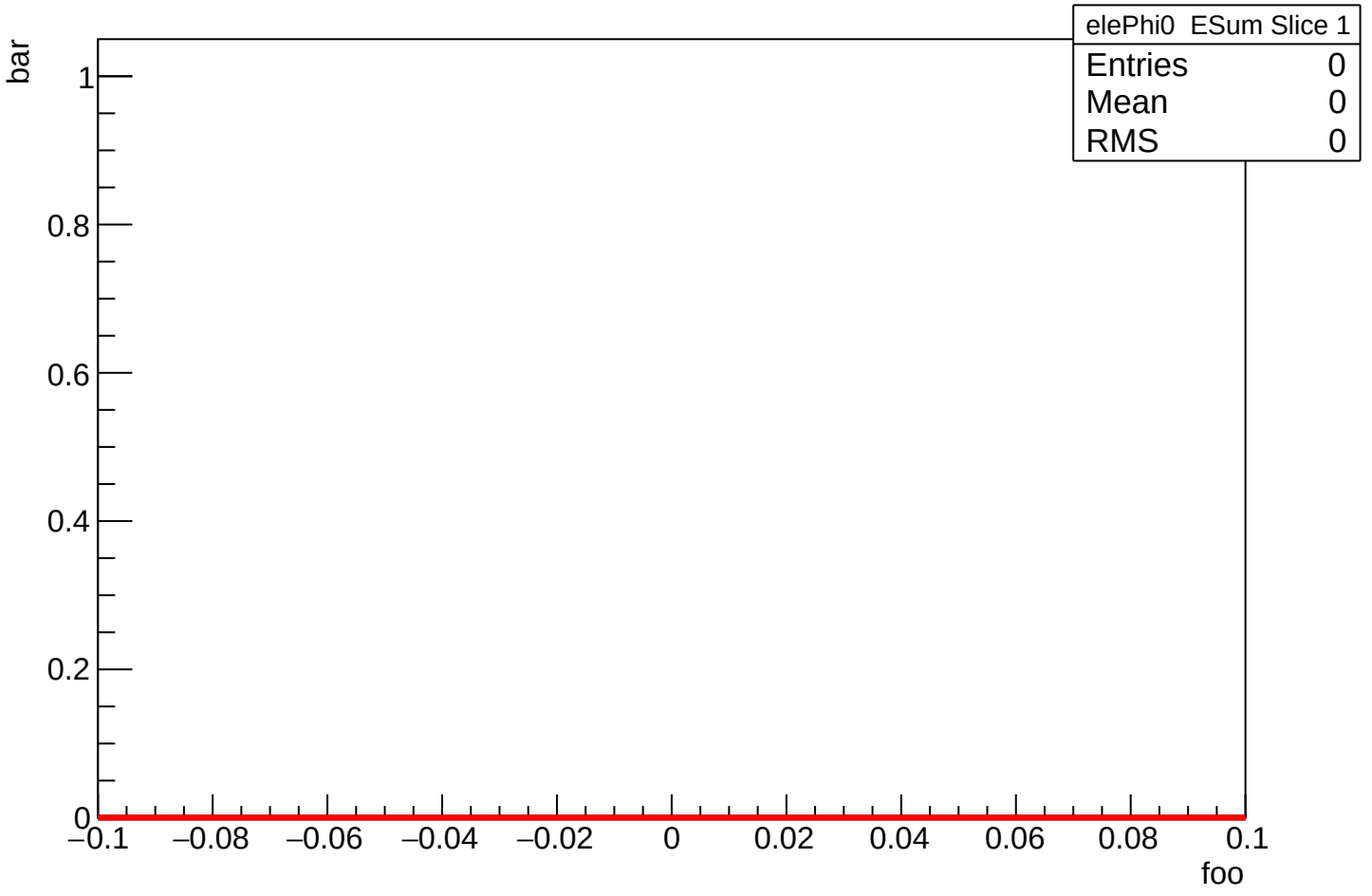

vertZ_Mass_Slice_10
vertZ_Mass_Slice_10
Entries 2560
Mean −1.506
RMS 3.191
bar
0
200
400
600
800
1000
1200
−50
−40
−30
−20
−10
0
10
20
30
40
50
foo

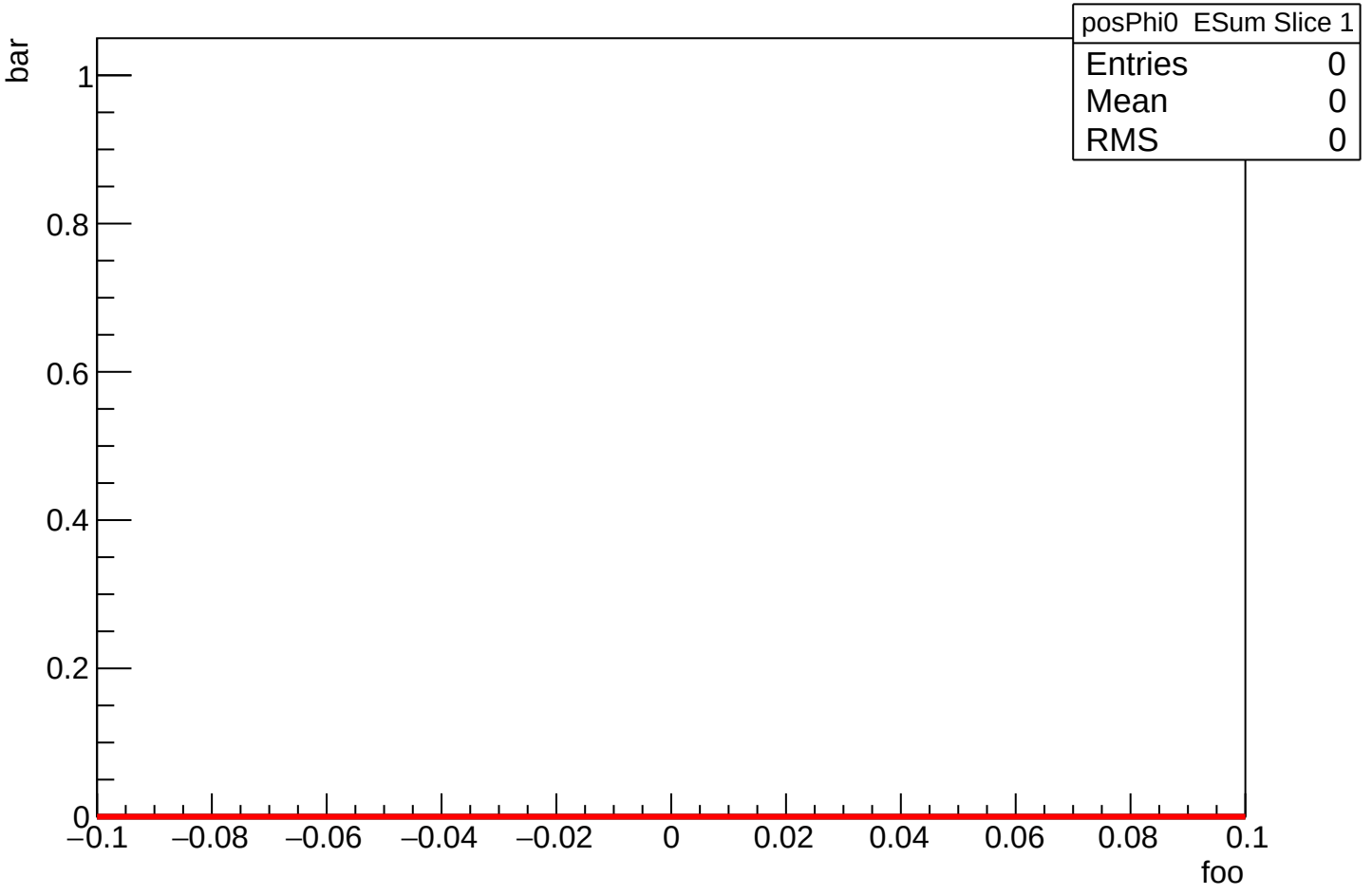

eleMom ESum Slice 1
eleMom ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

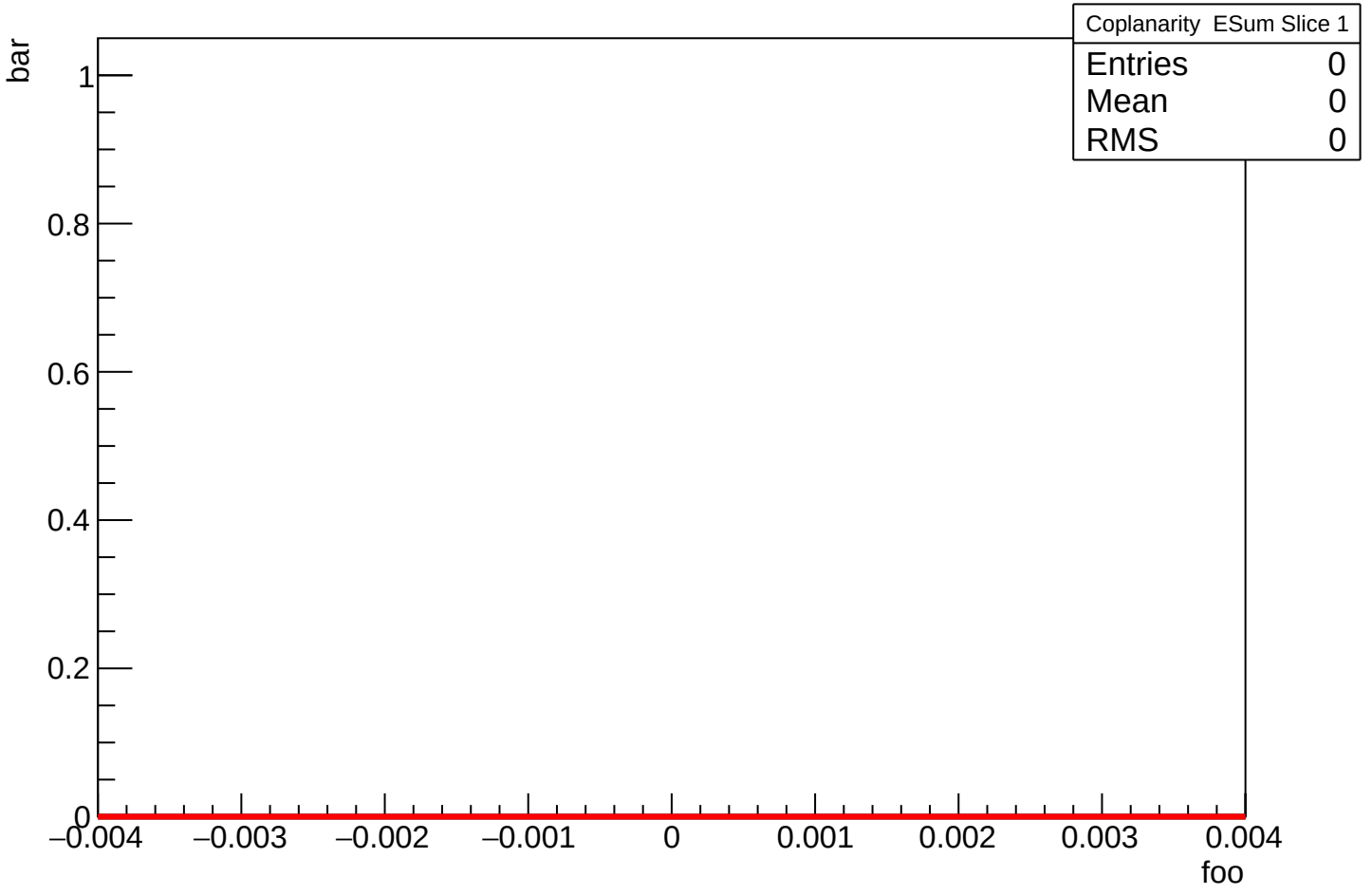

posMom ESum Slice 1
posMom ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

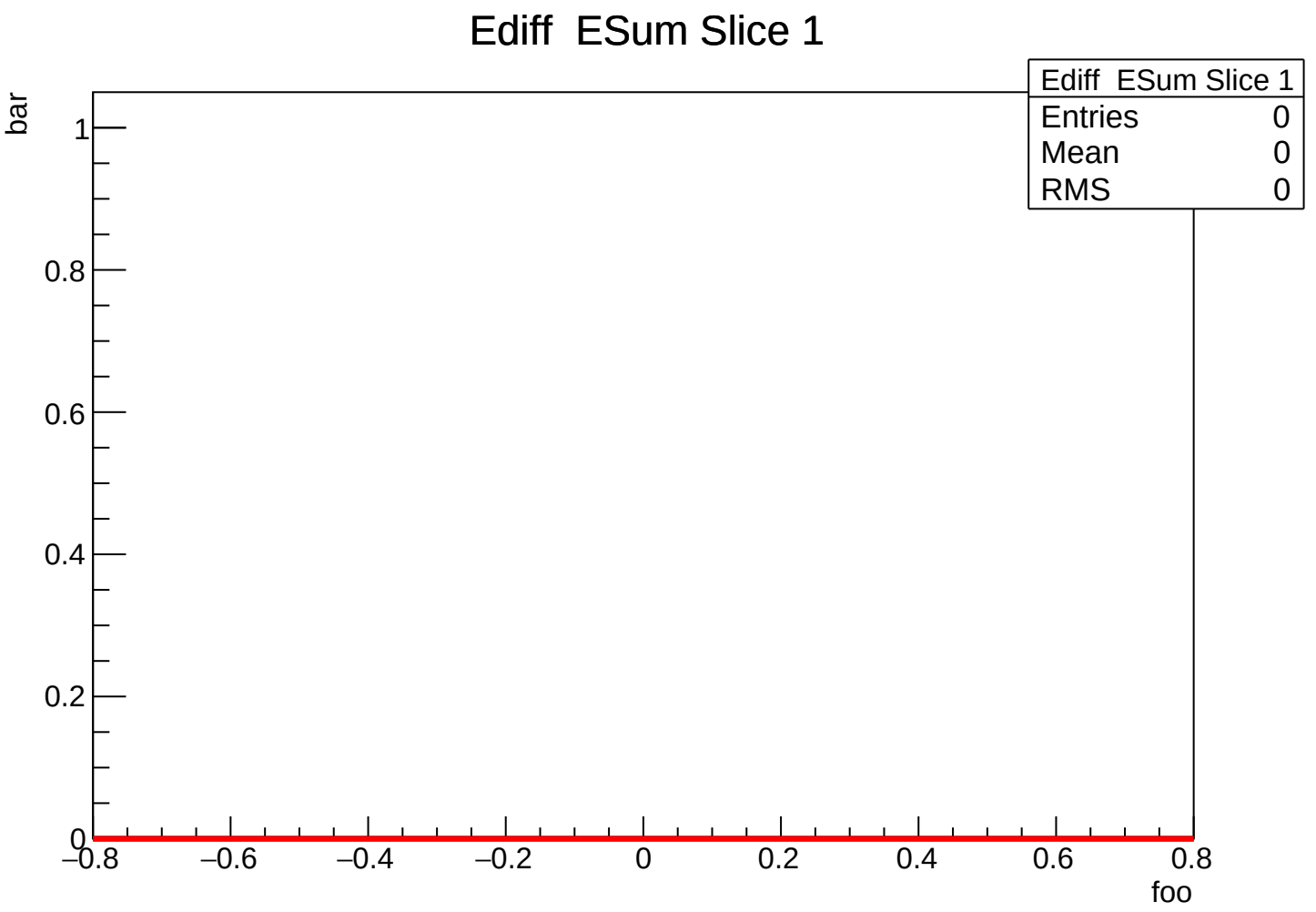

eleTheta ESum Slice 1
eleTheta ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

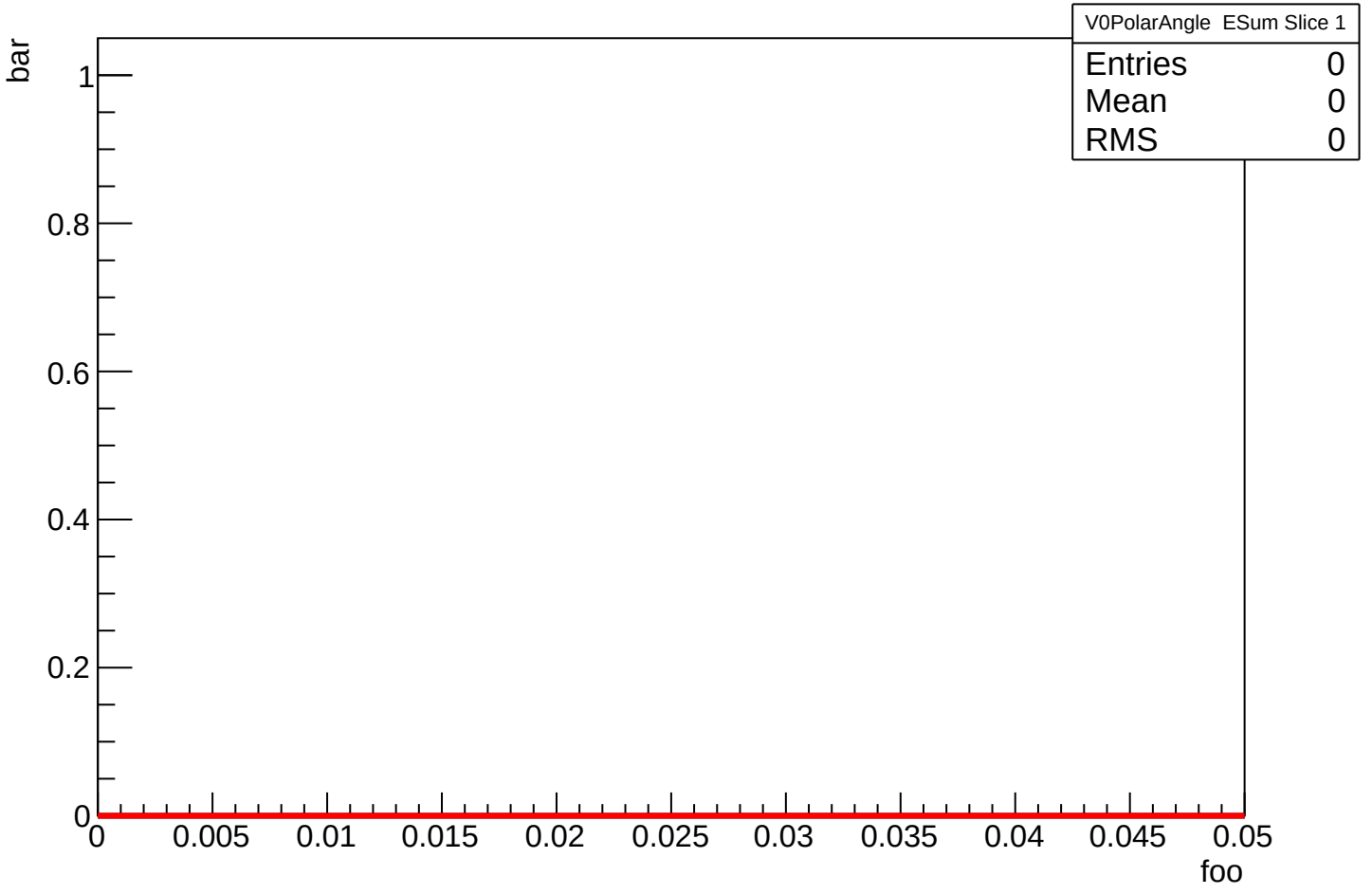

posTheta ESum Slice 1
posTheta ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

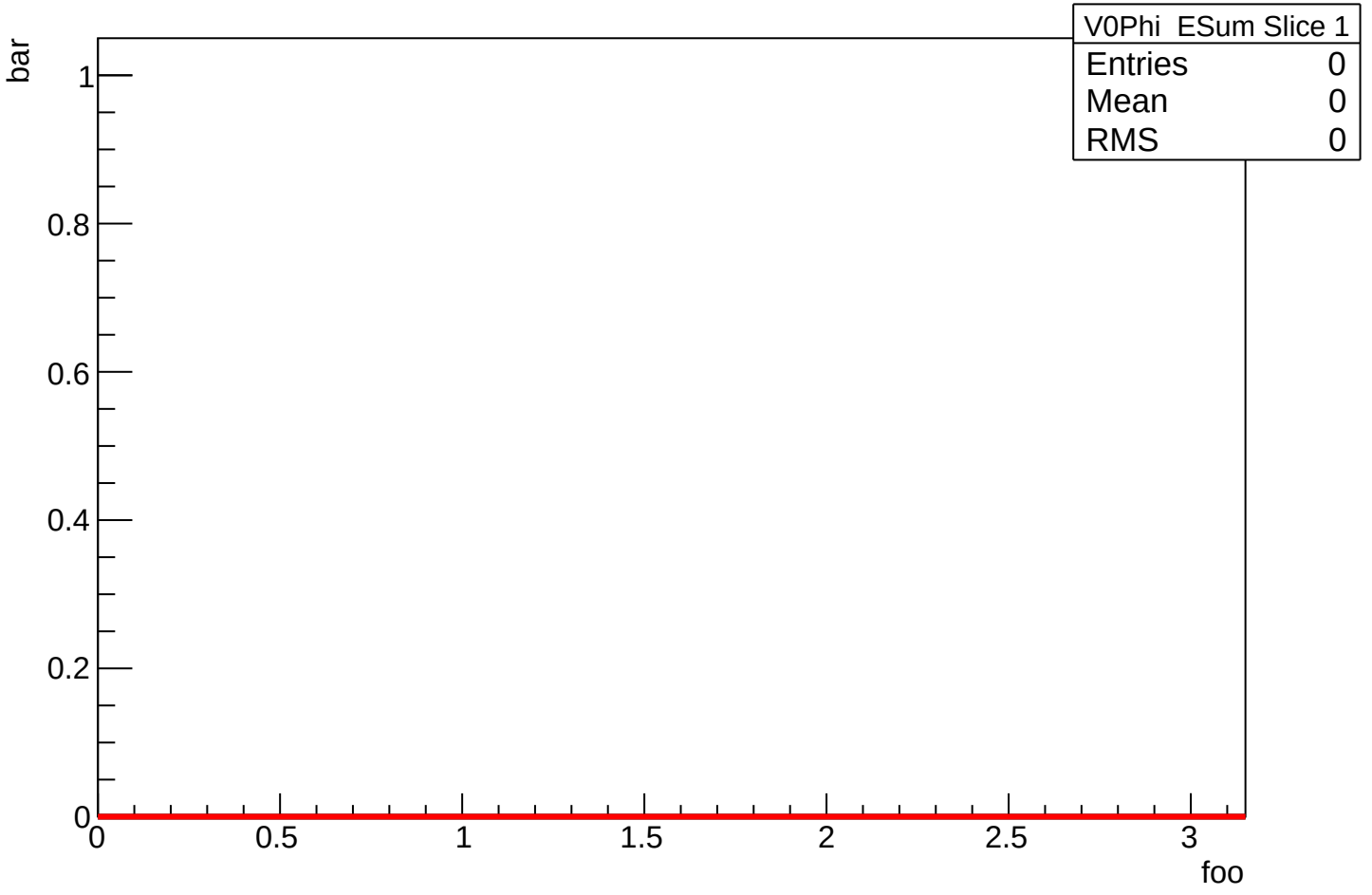

elePhi0 ESum Slice 1
elePhi0 ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

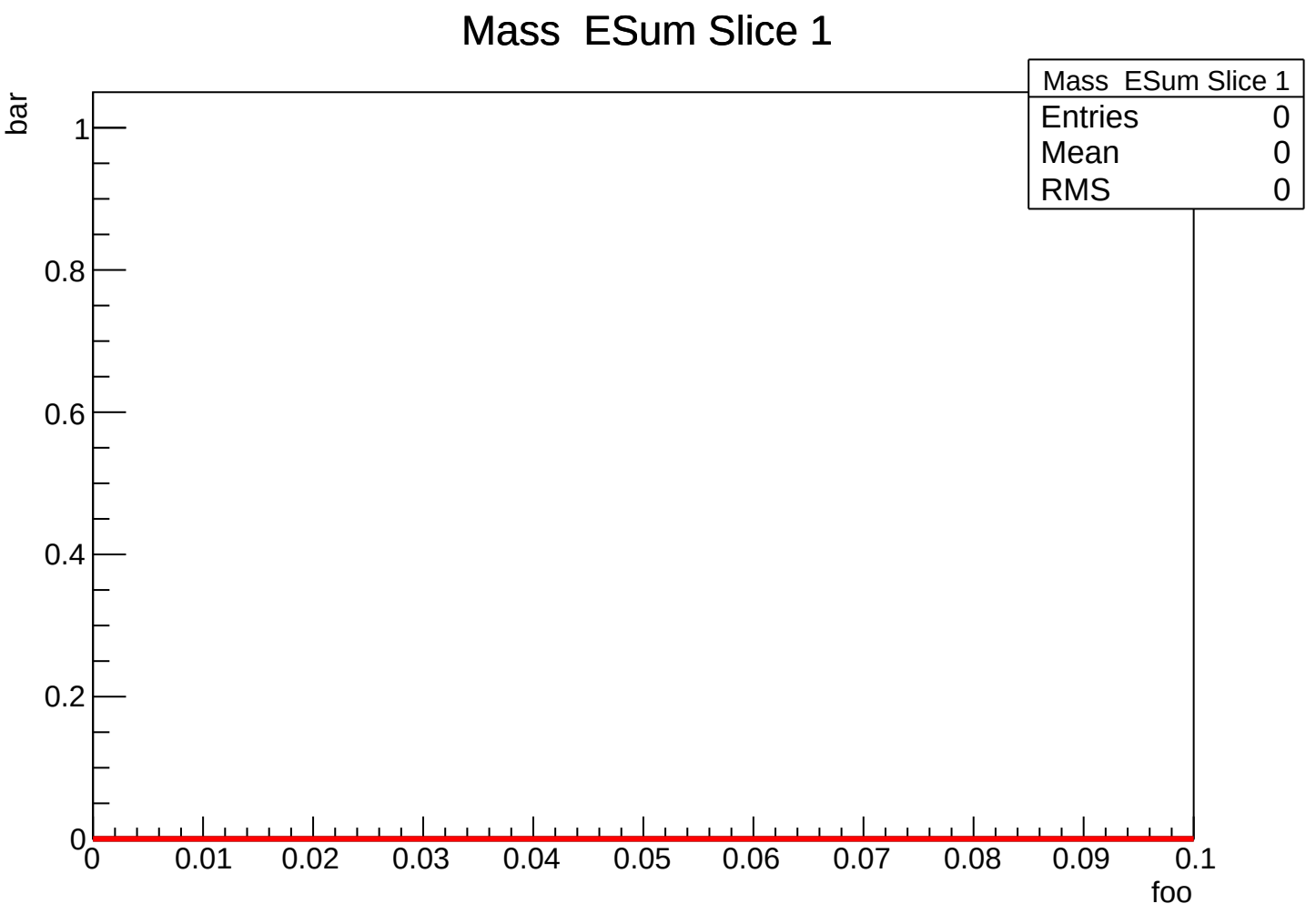

posPhi0 ESum Slice 1
posPhi0 ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

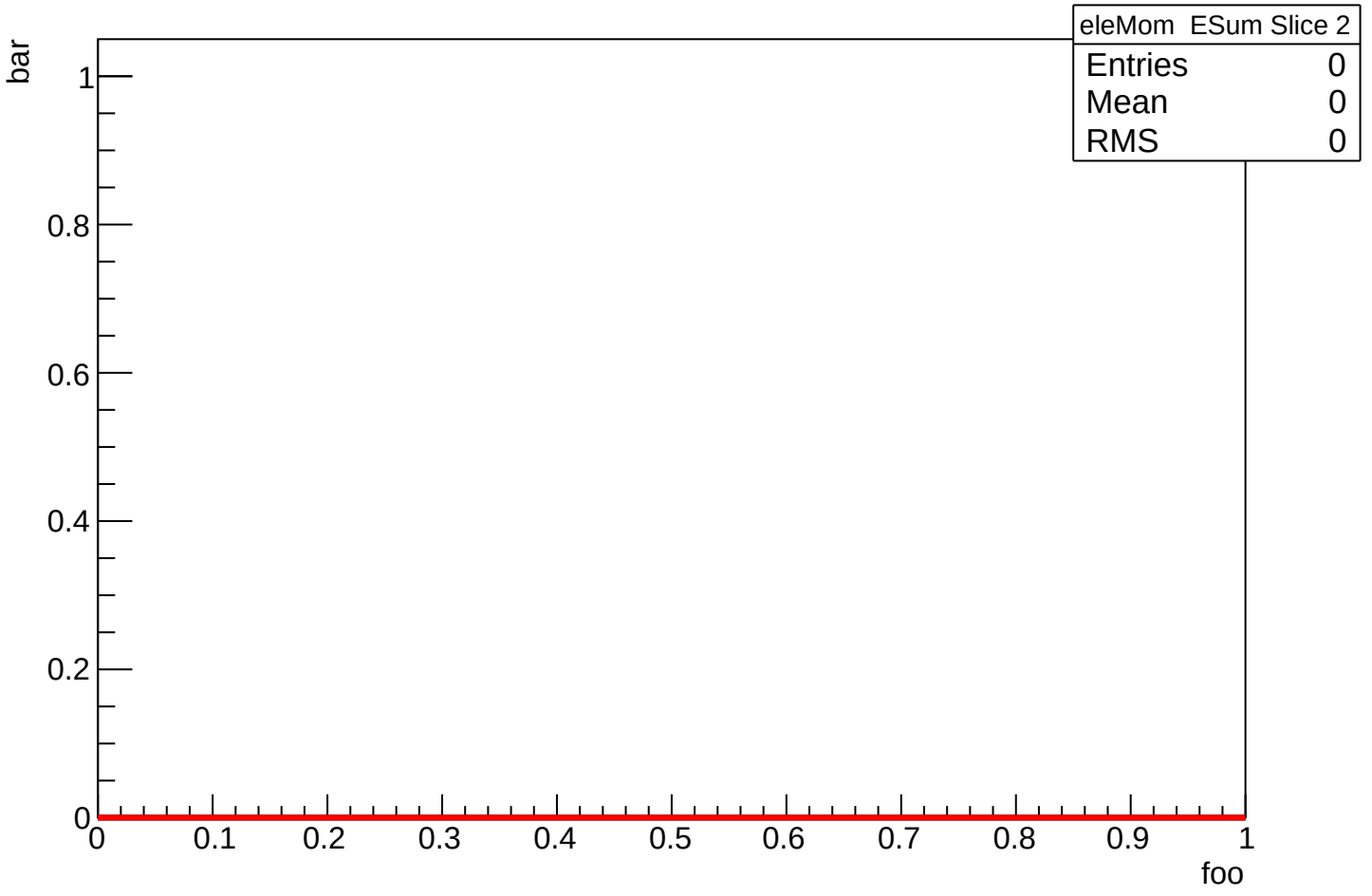

Coplanarity ESum Slice 1
Coplanarity ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

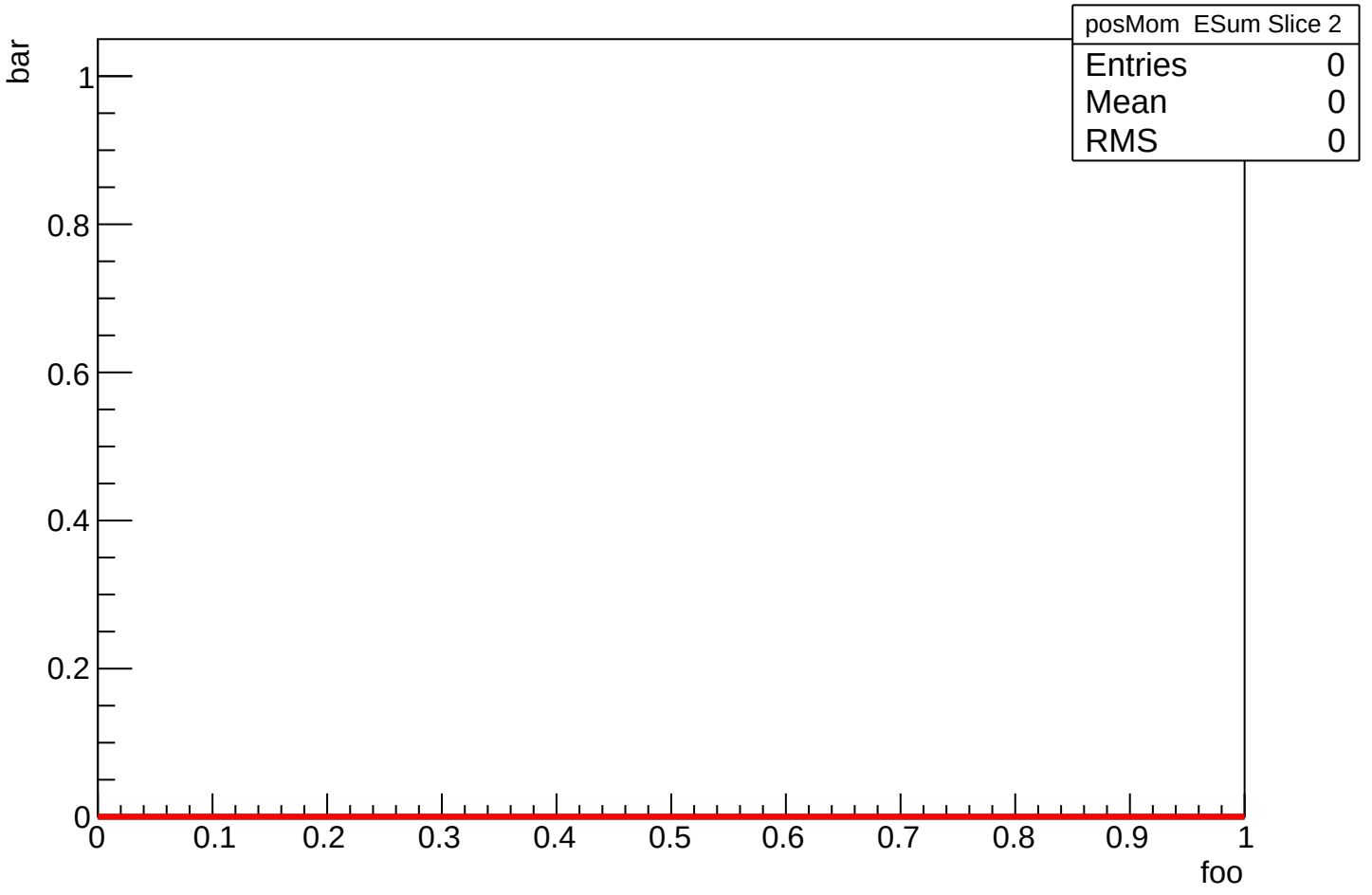

Ediff ESum Slice 1
Ediff ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
foo

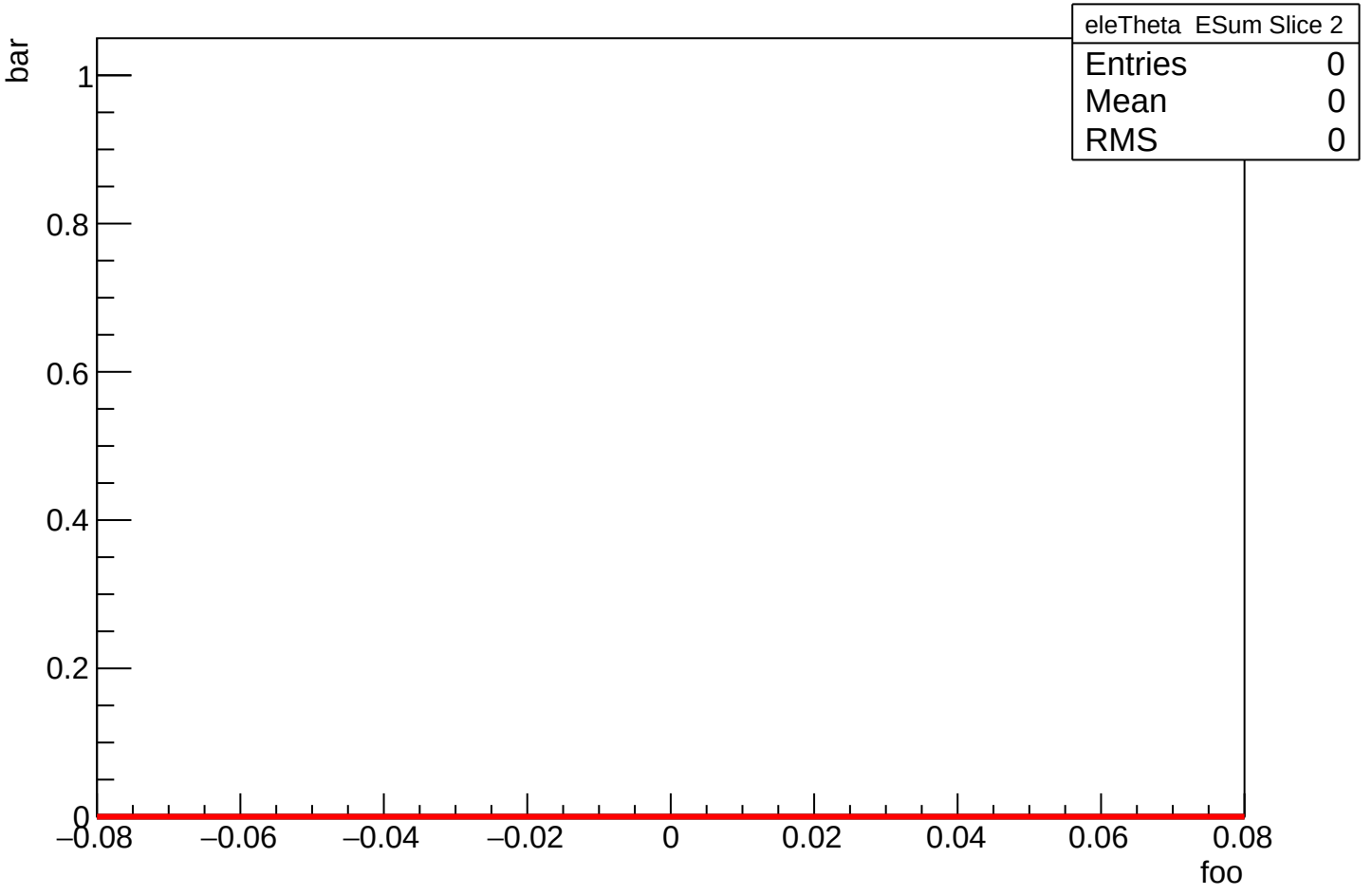

V0PolarAngle ESum Slice 1
V0PolarAngle ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05
foo

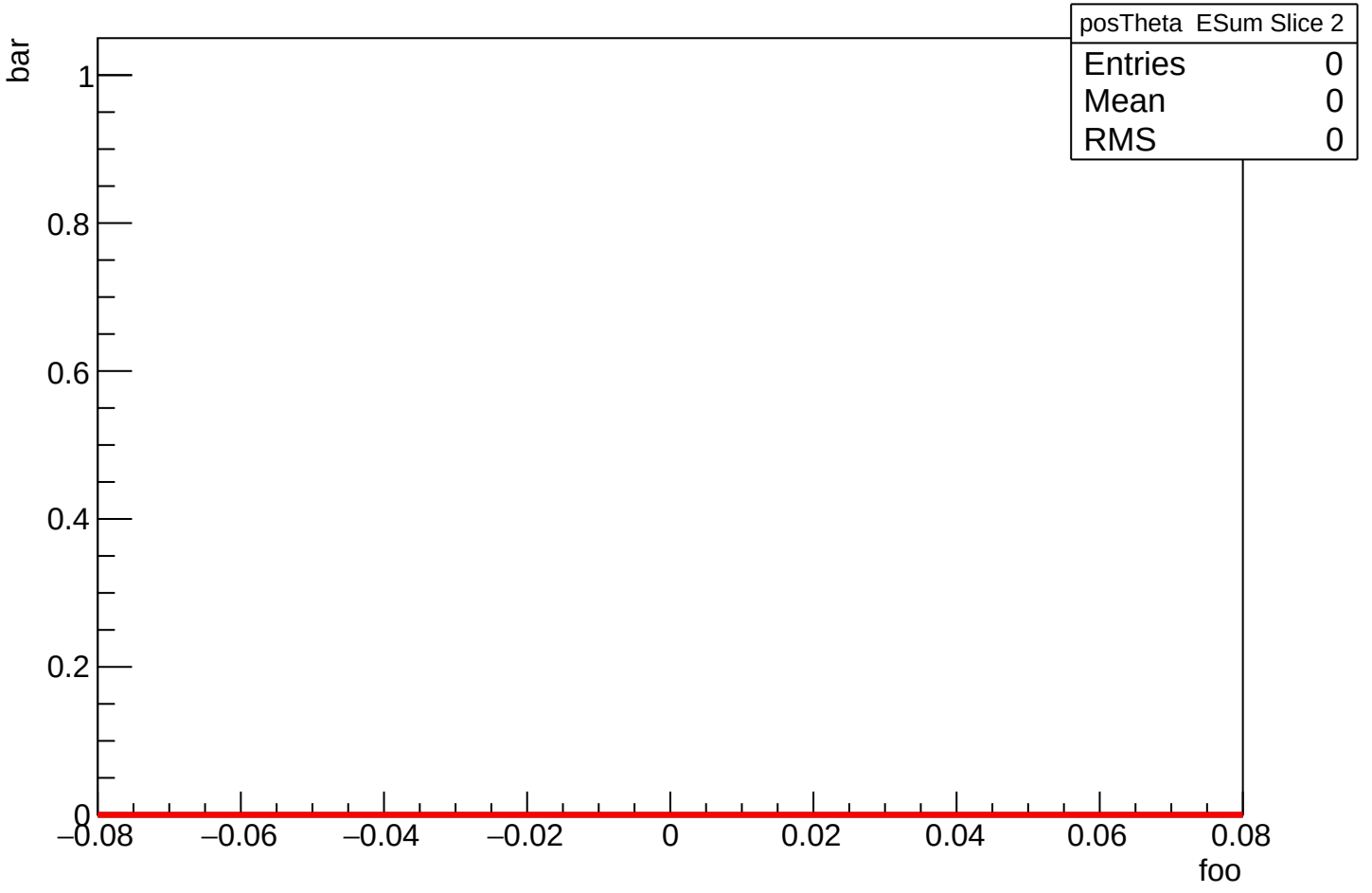

V0Phi ESum Slice 1
V0Phi ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
foo

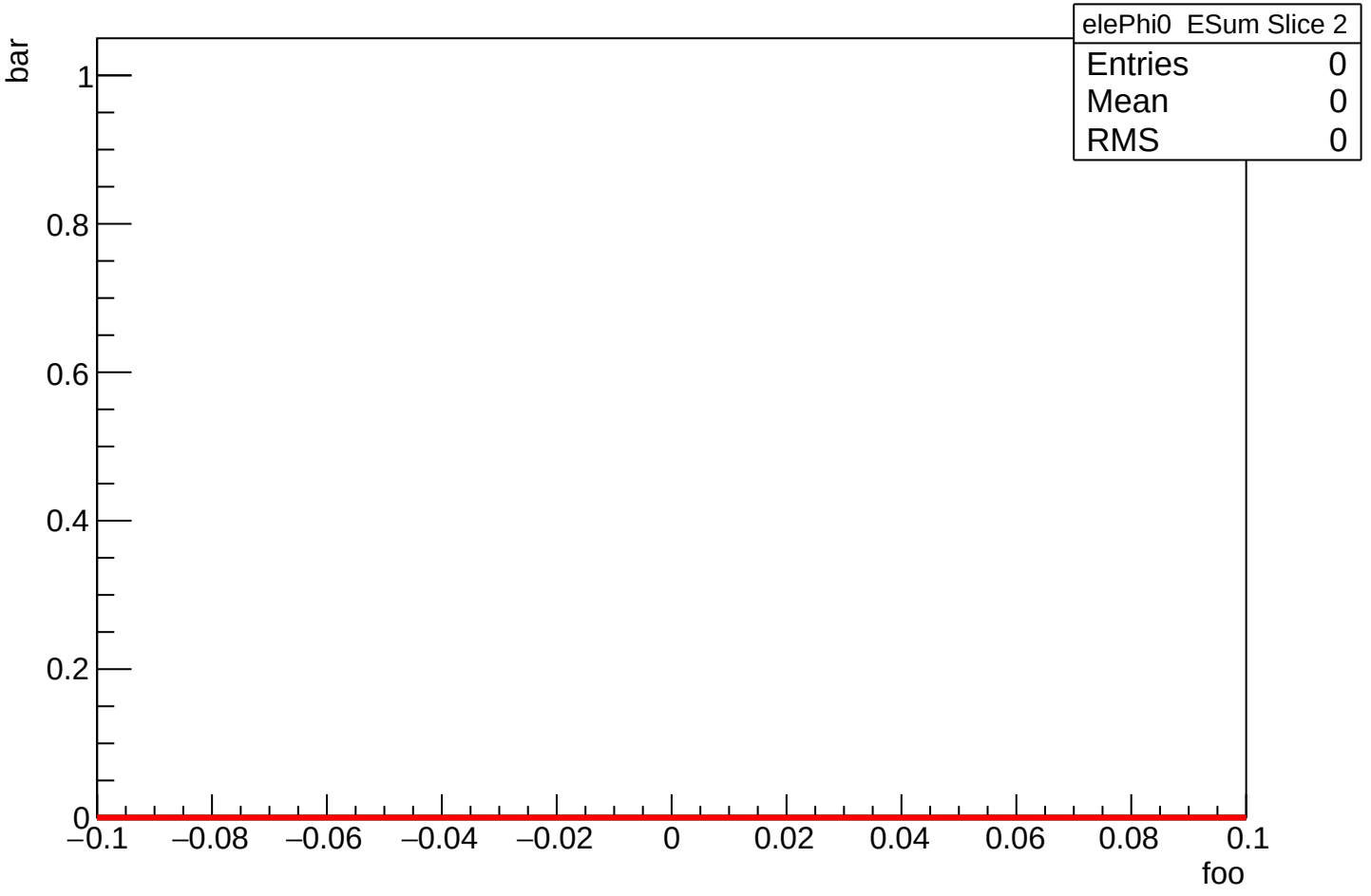

Mass ESum Slice 1
Mass ESum Slice 1
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
foo

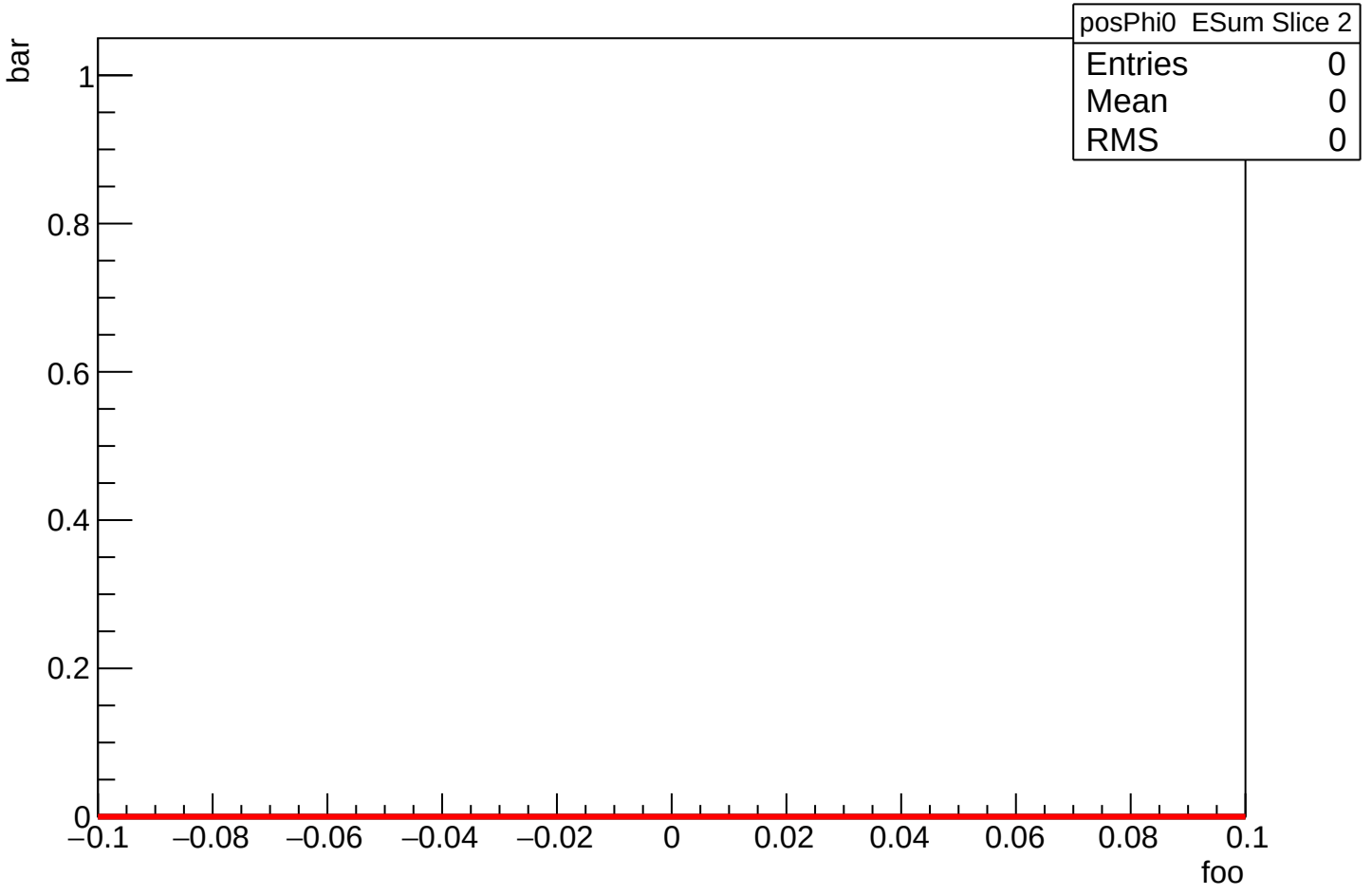

eleMom ESum Slice 2
eleMom ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

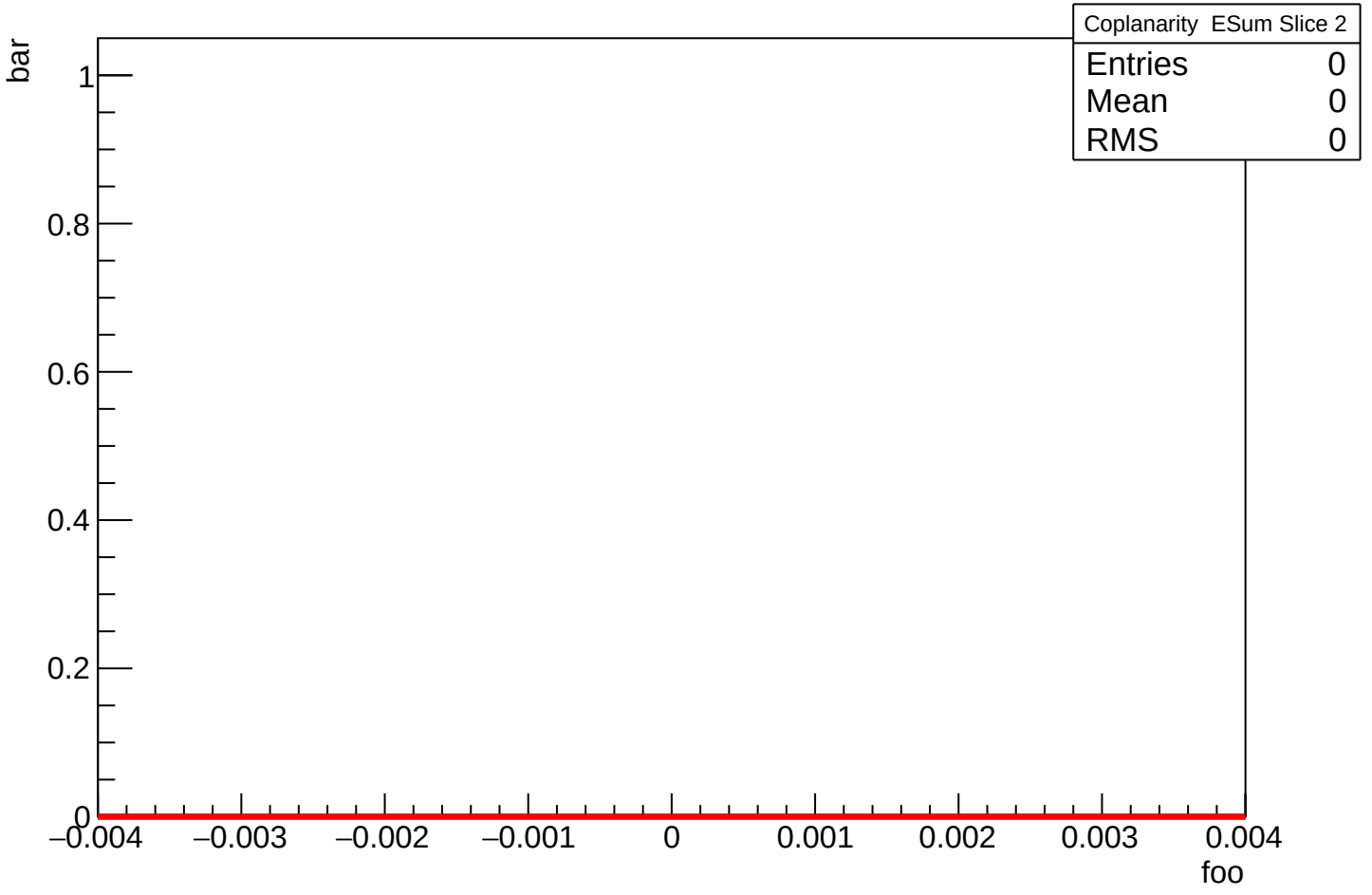

posMom ESum Slice 2
posMom ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

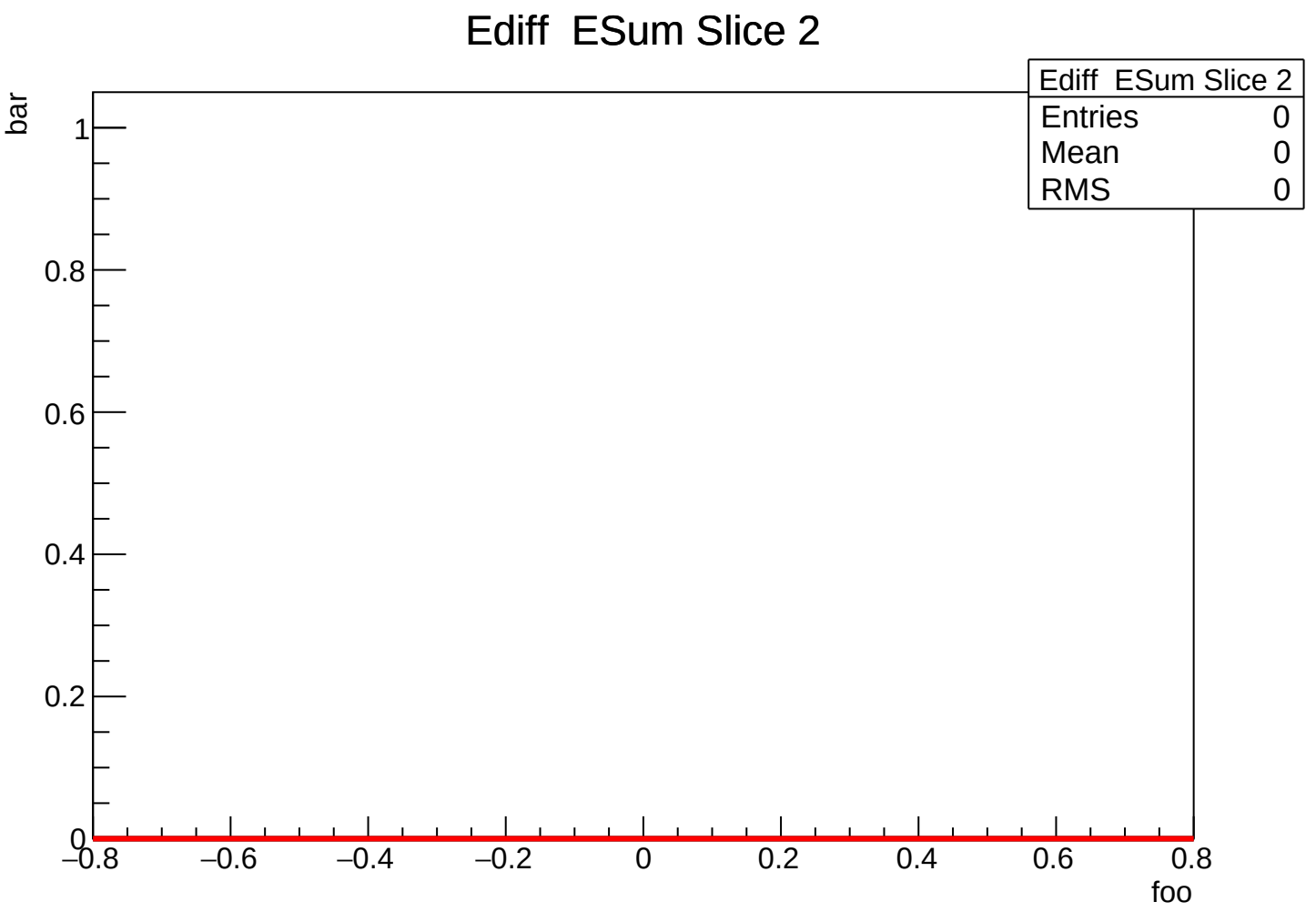

eleTheta ESum Slice 2
eleTheta ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

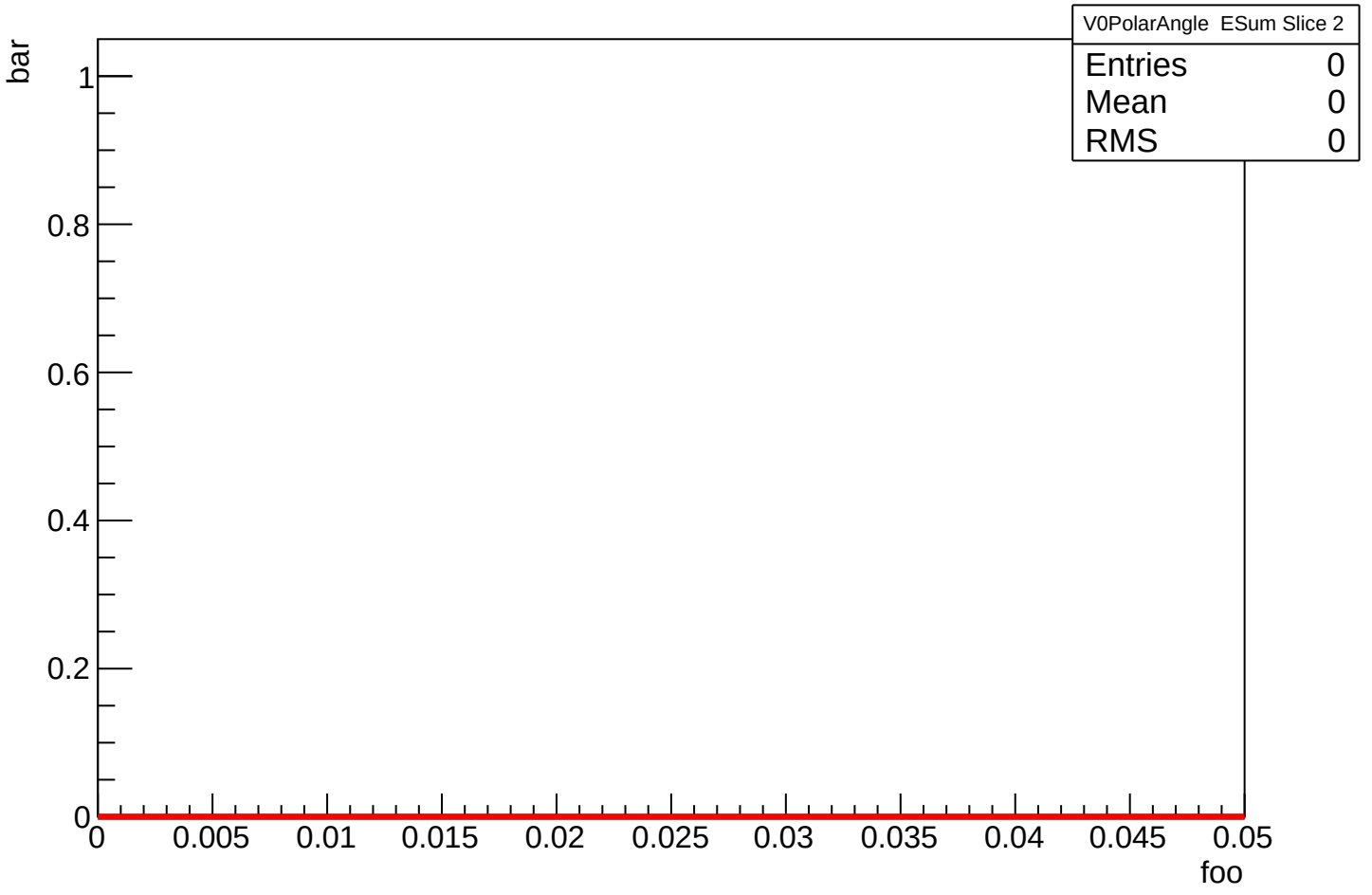

posTheta ESum Slice 2
posTheta ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

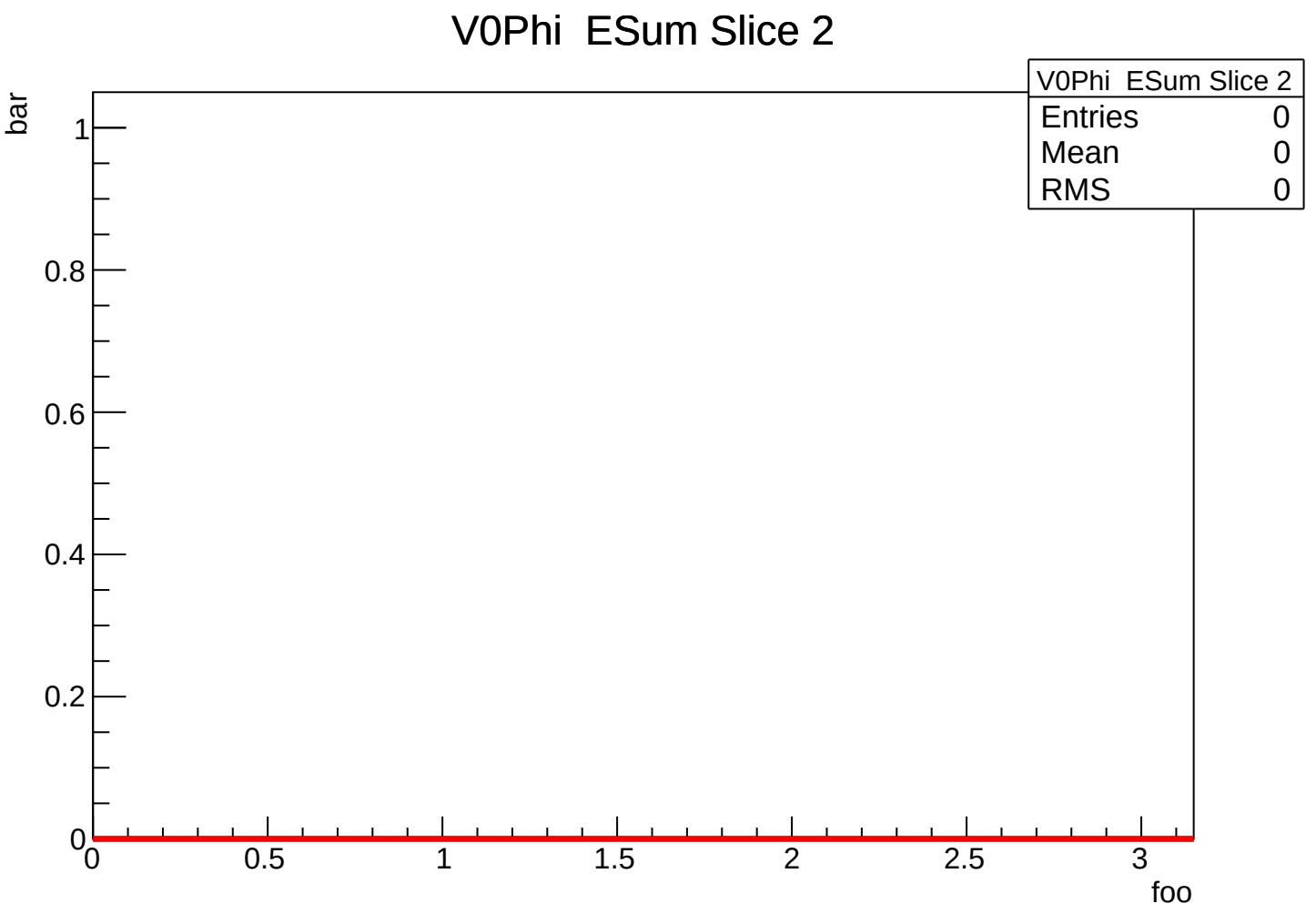

elePhi0 ESum Slice 2
elePhi0 ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

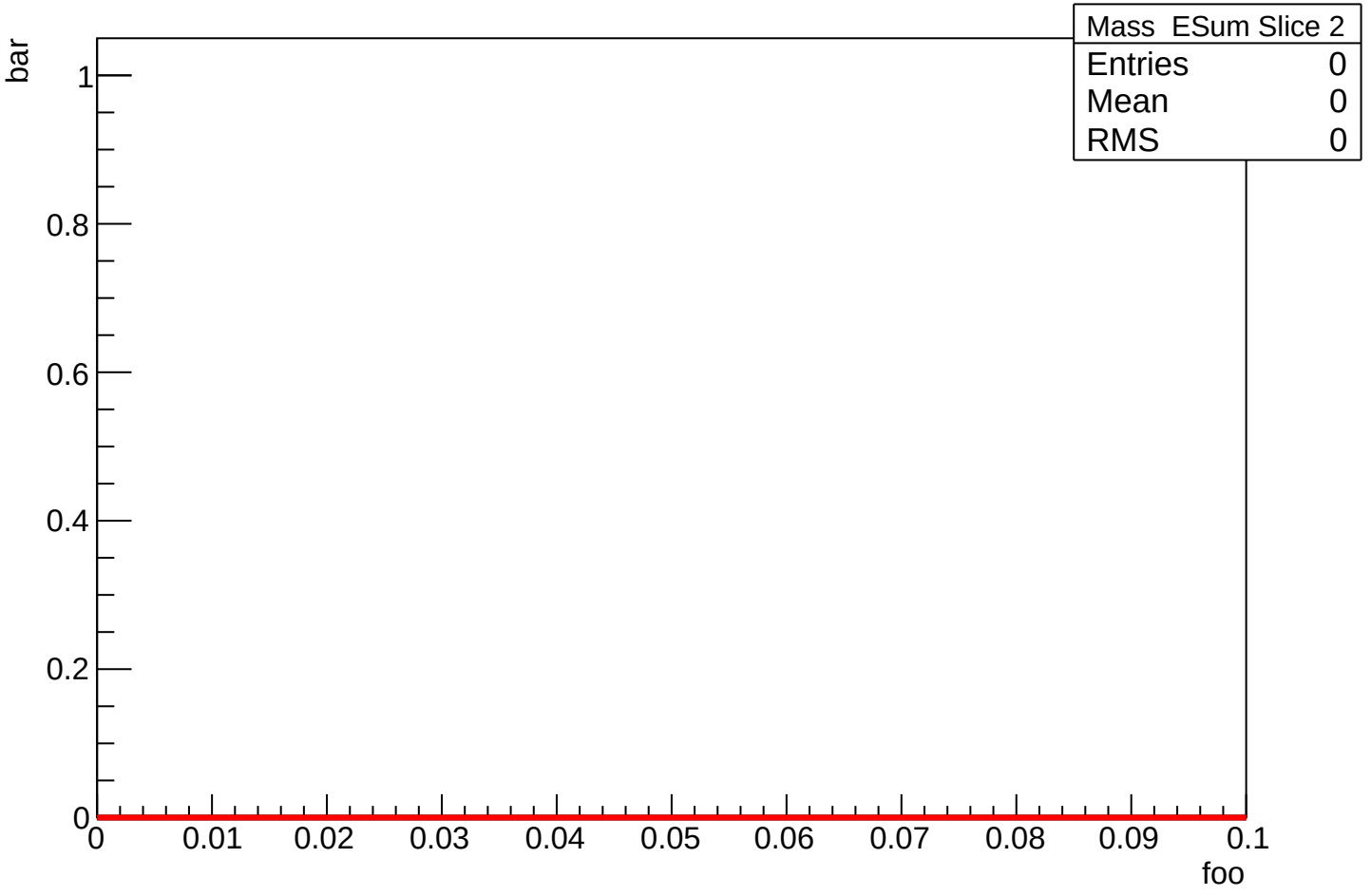

posPhi0 ESum Slice 2
posPhi0 ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

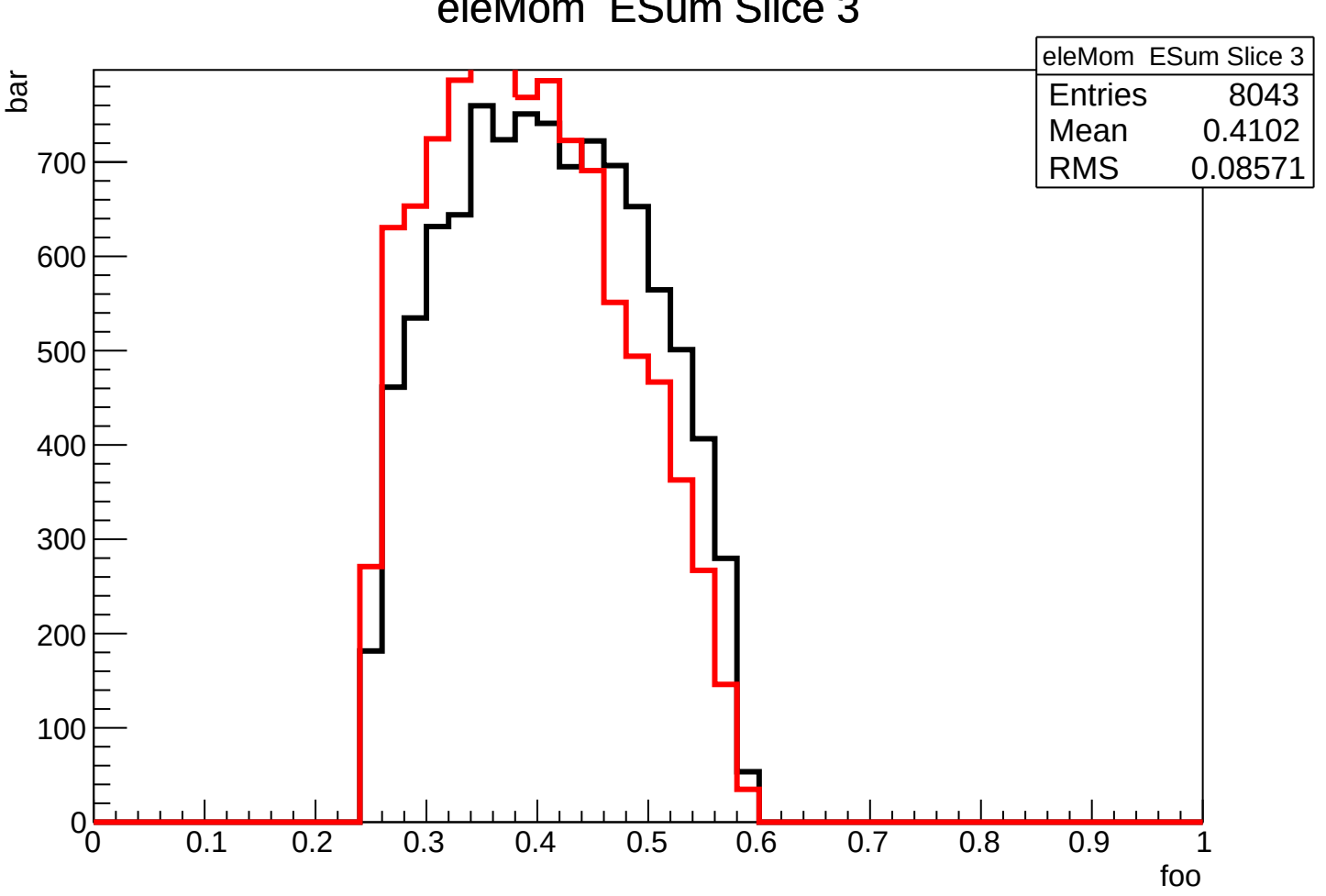

Coplanarity ESum Slice 2
Coplanarity ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

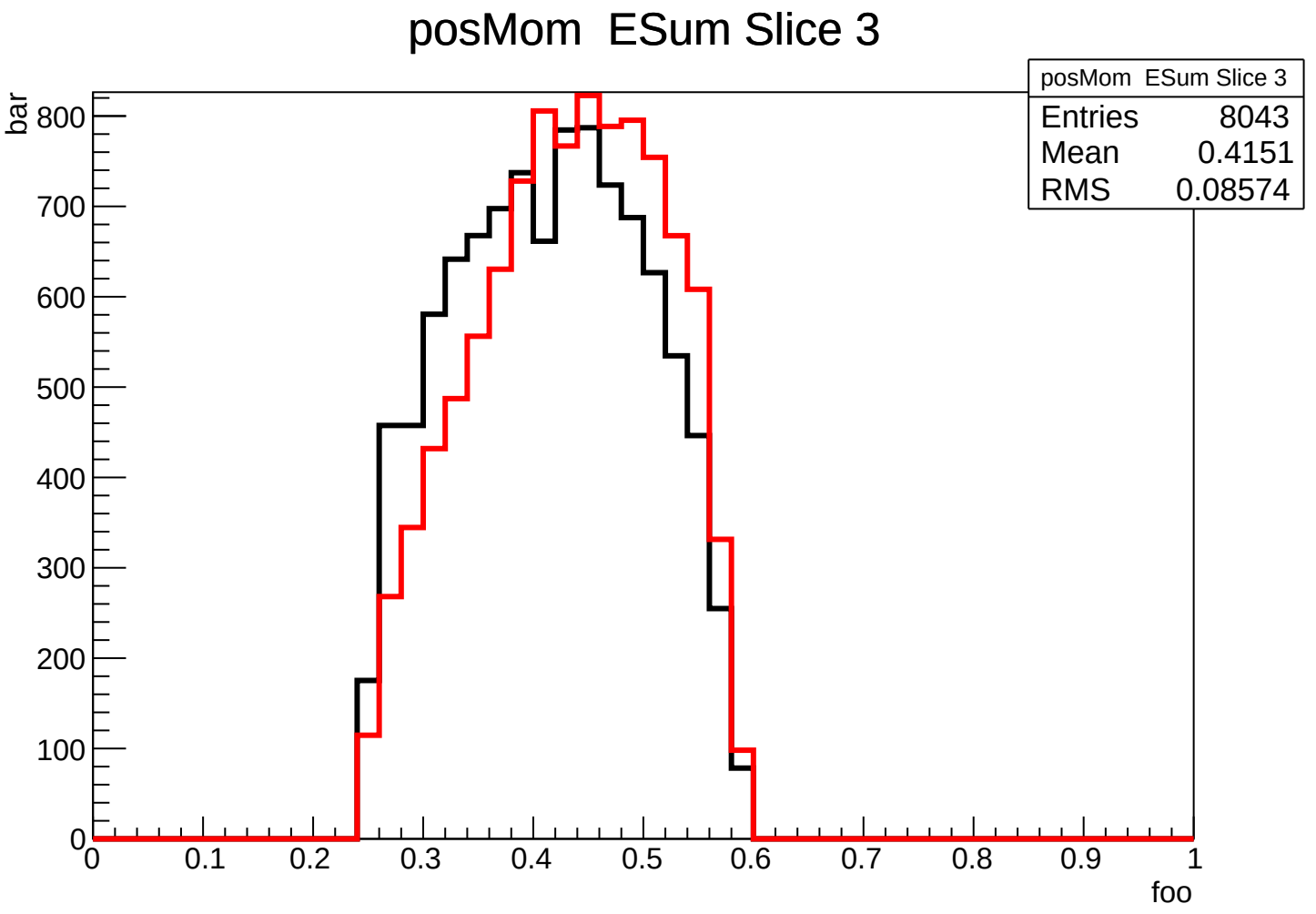

Ediff ESum Slice 2
Ediff ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
foo

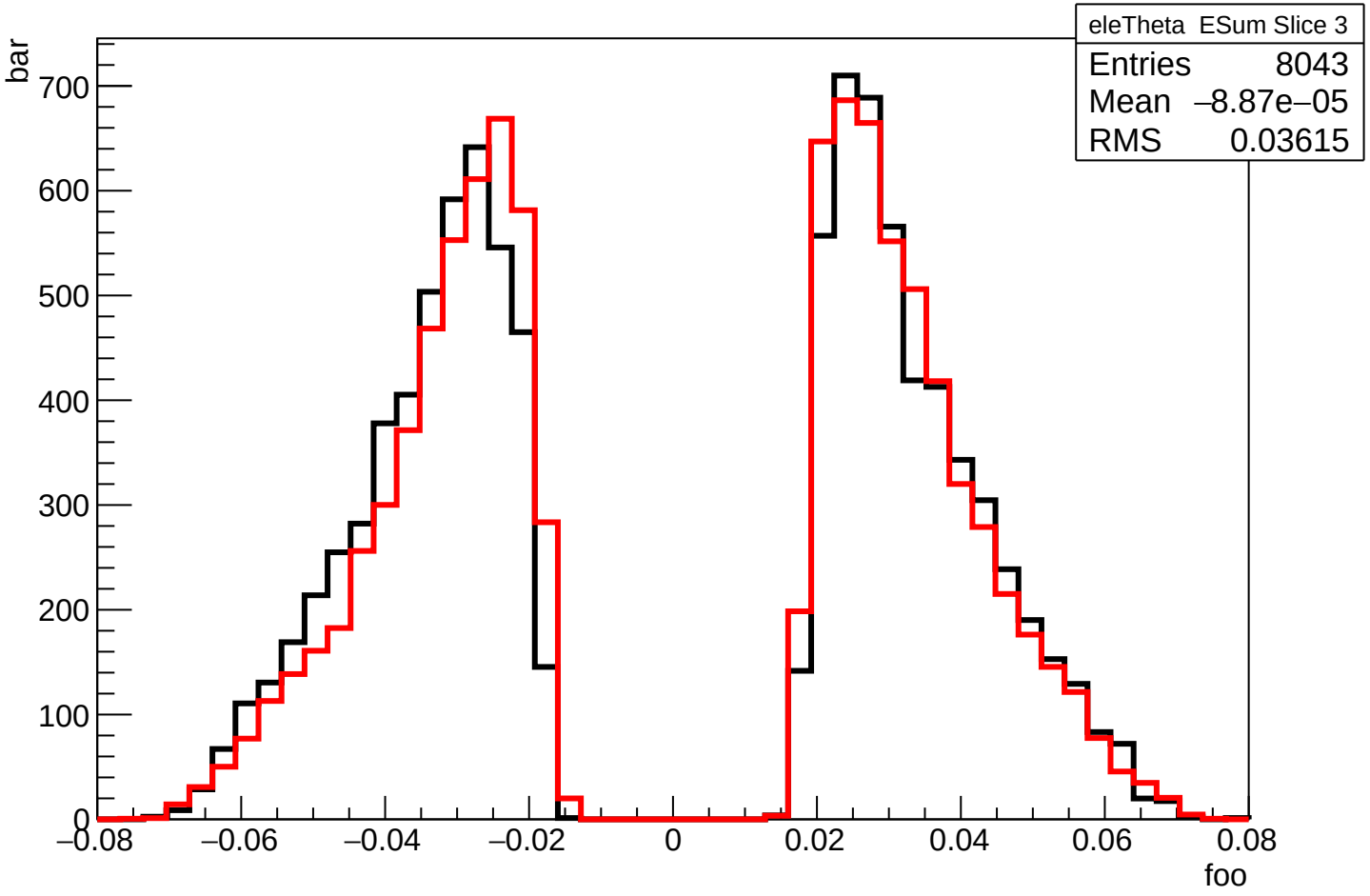

V0PolarAngle ESum Slice 2
V0PolarAngle ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05
foo

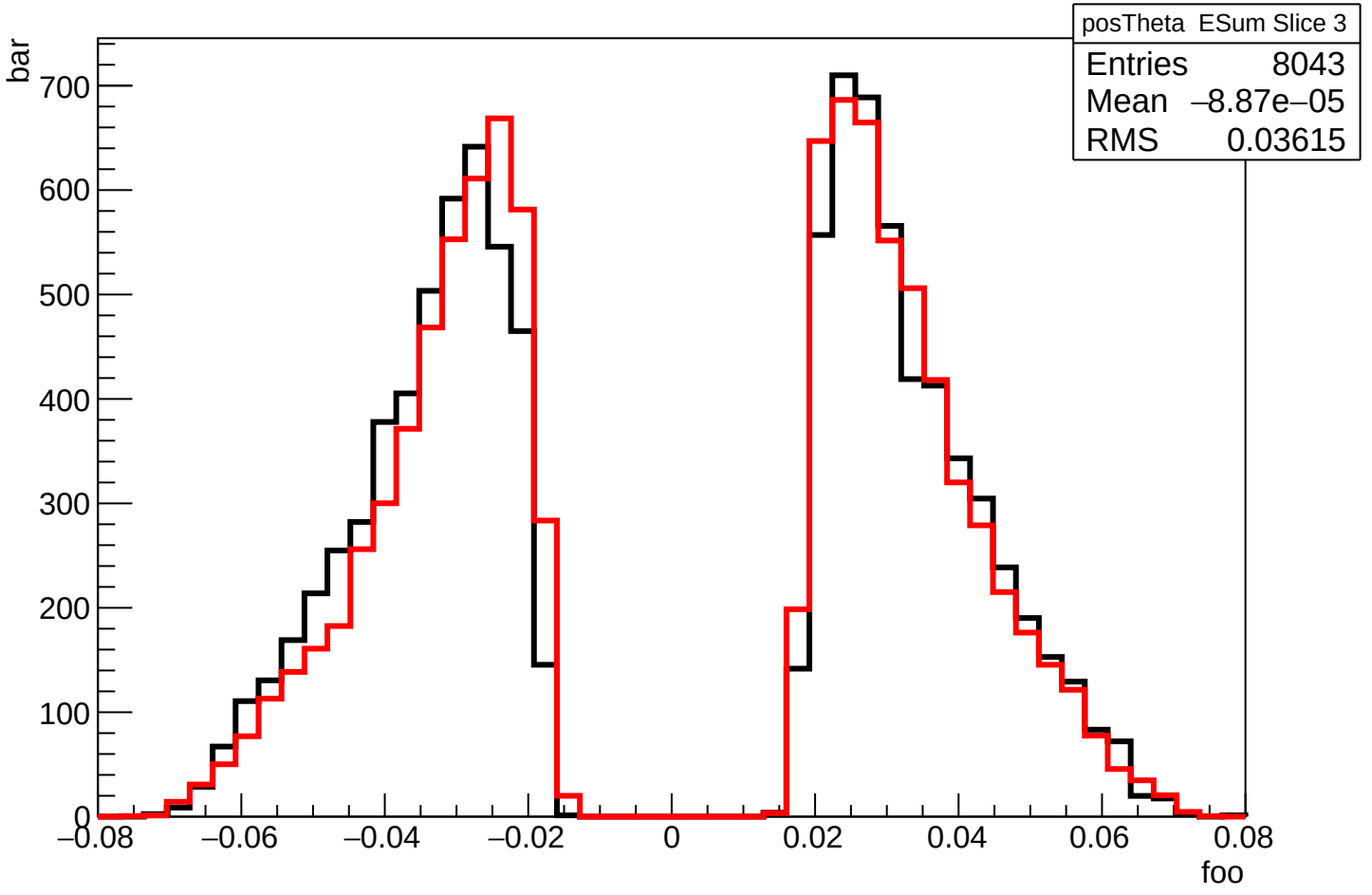

V0Phi ESum Slice 2
V0Phi ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
foo

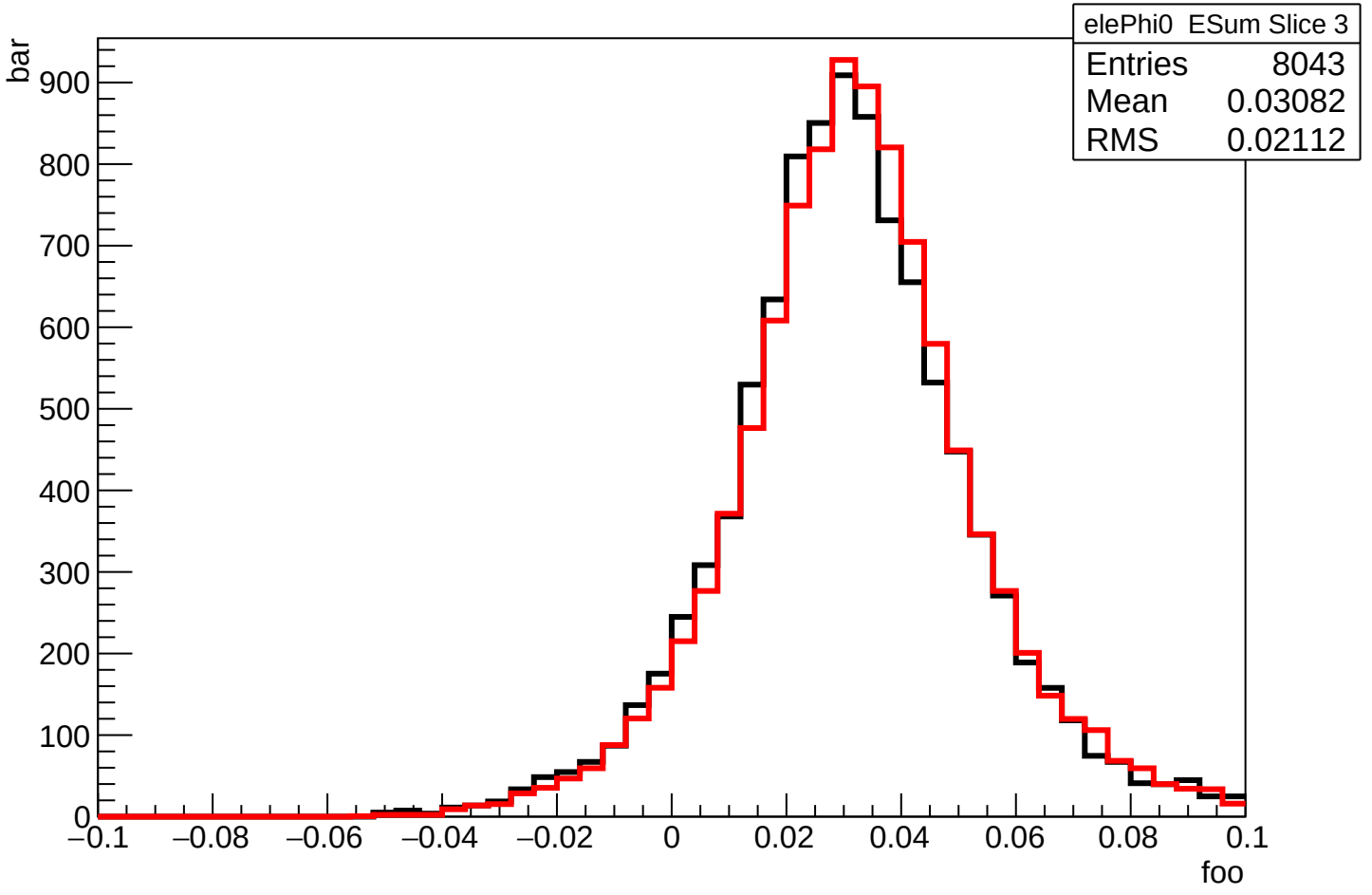

Mass ESum Slice 2
Mass ESum Slice 2
Entries 0
Mean 0
RMS 0
bar
1
0.8
0.6
0.4
0.2
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
foo

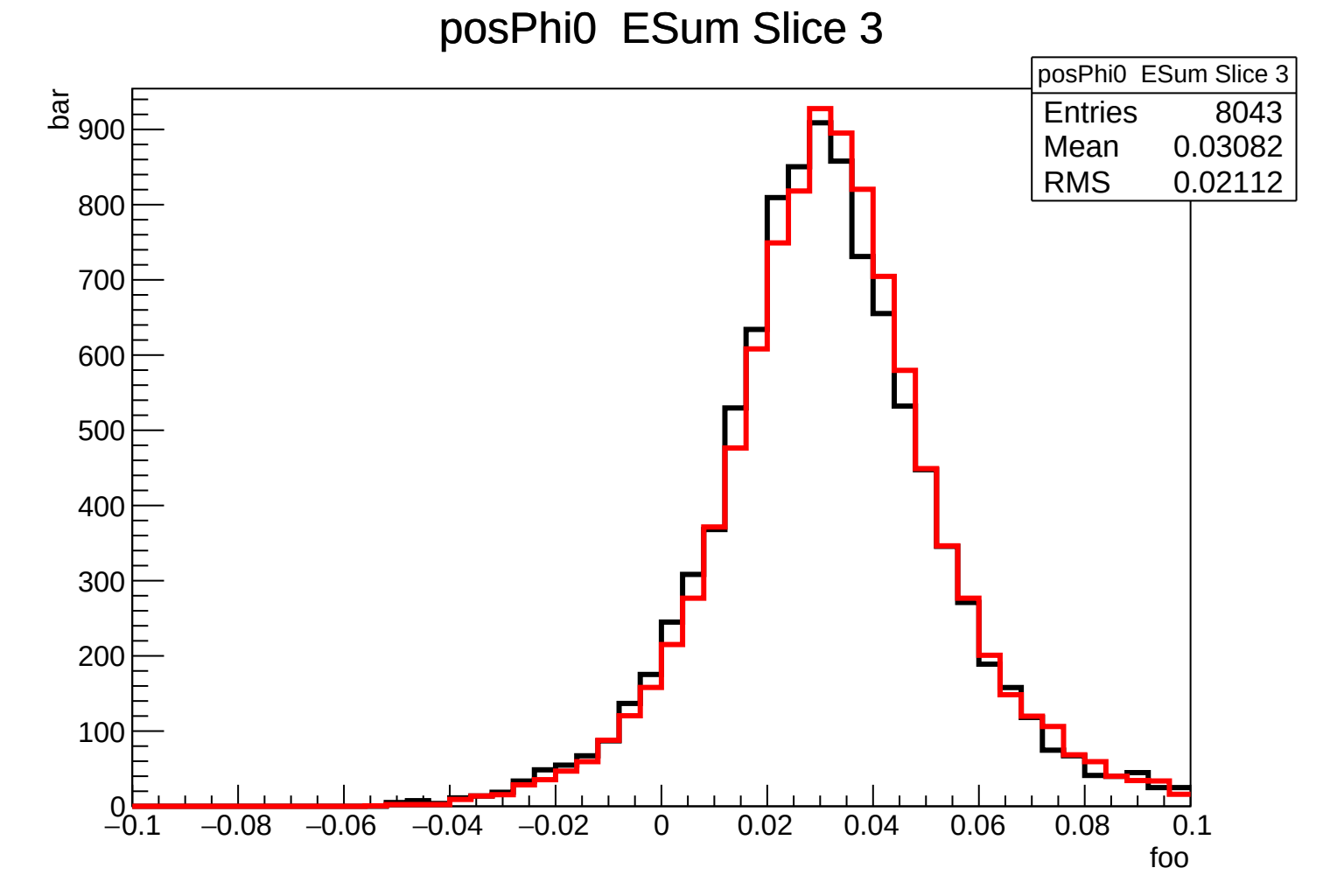

eleMom ESum Slice 3
eleMom ESum Slice 3
Entries 8043
Mean 0.4102
RMS 0.08571
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

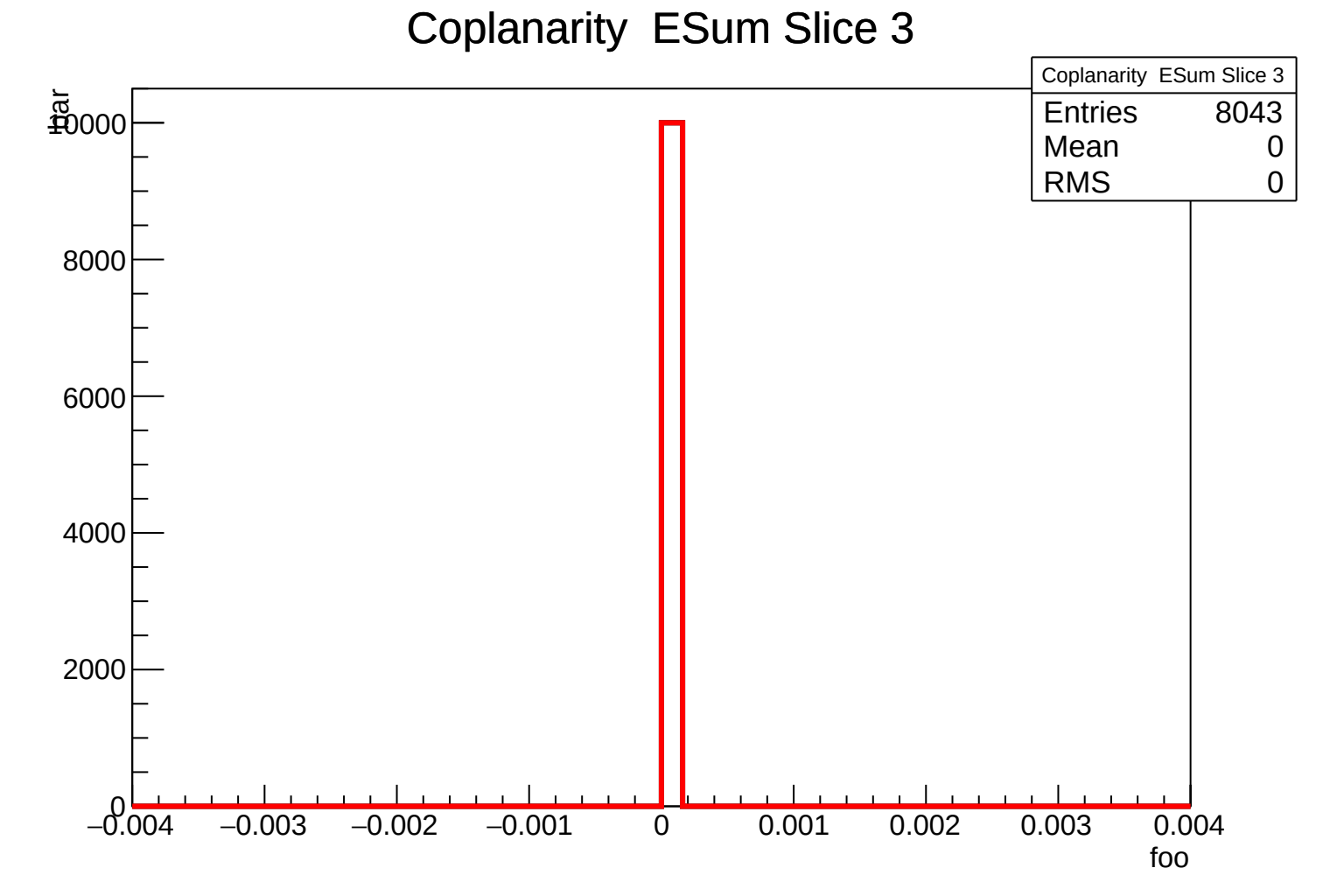

posMom ESum Slice 3
posMom ESum Slice 3
Entries 8043
Mean 0.4151
RMS 0.08574
bar
foo
0
100
200
300
400
500
600
700
800
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

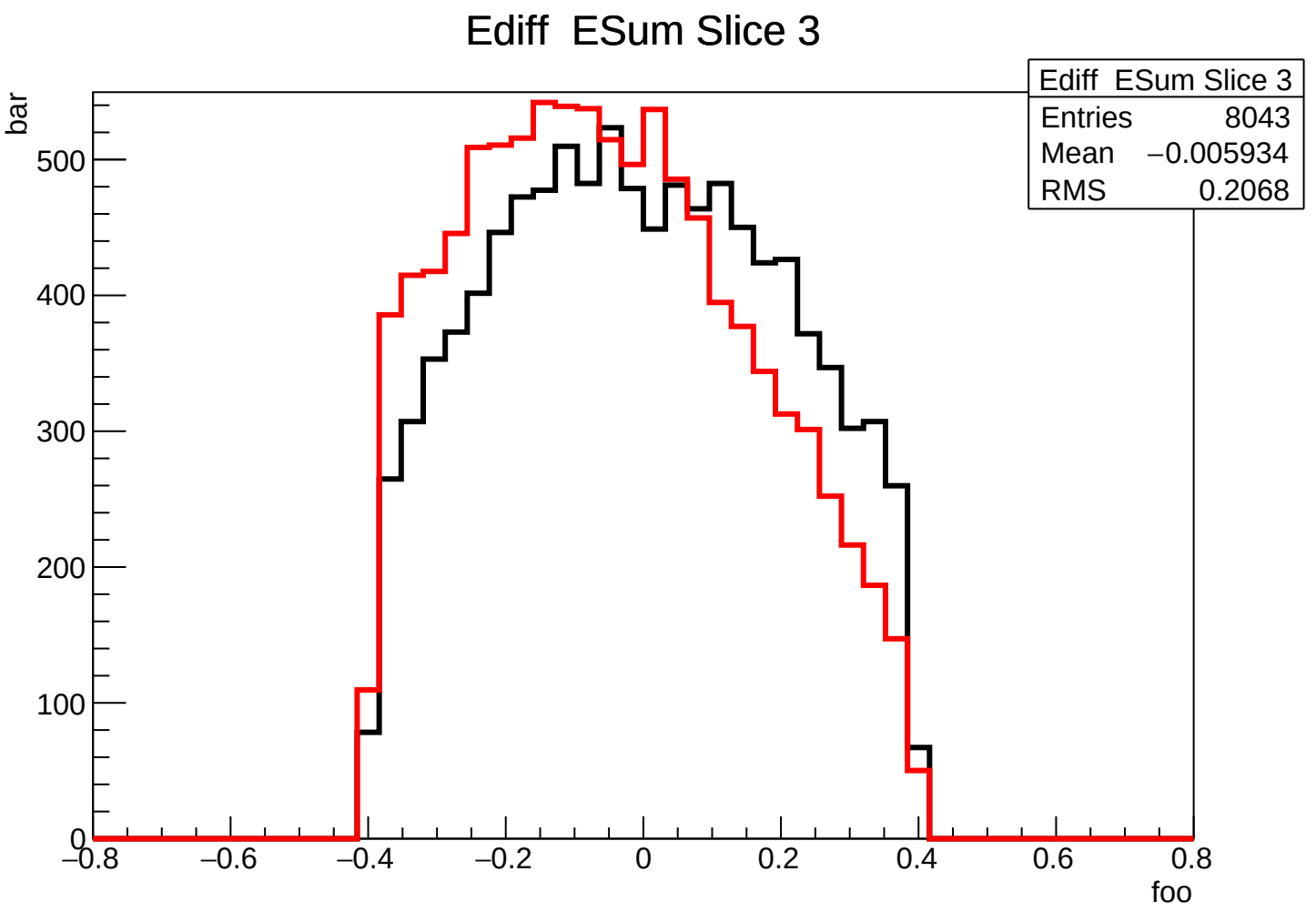

eleTheta ESum Slice 3
eleTheta ESum Slice 3
Entries 8043
Mean −8.87e−05
RMS 0.03615
bar
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

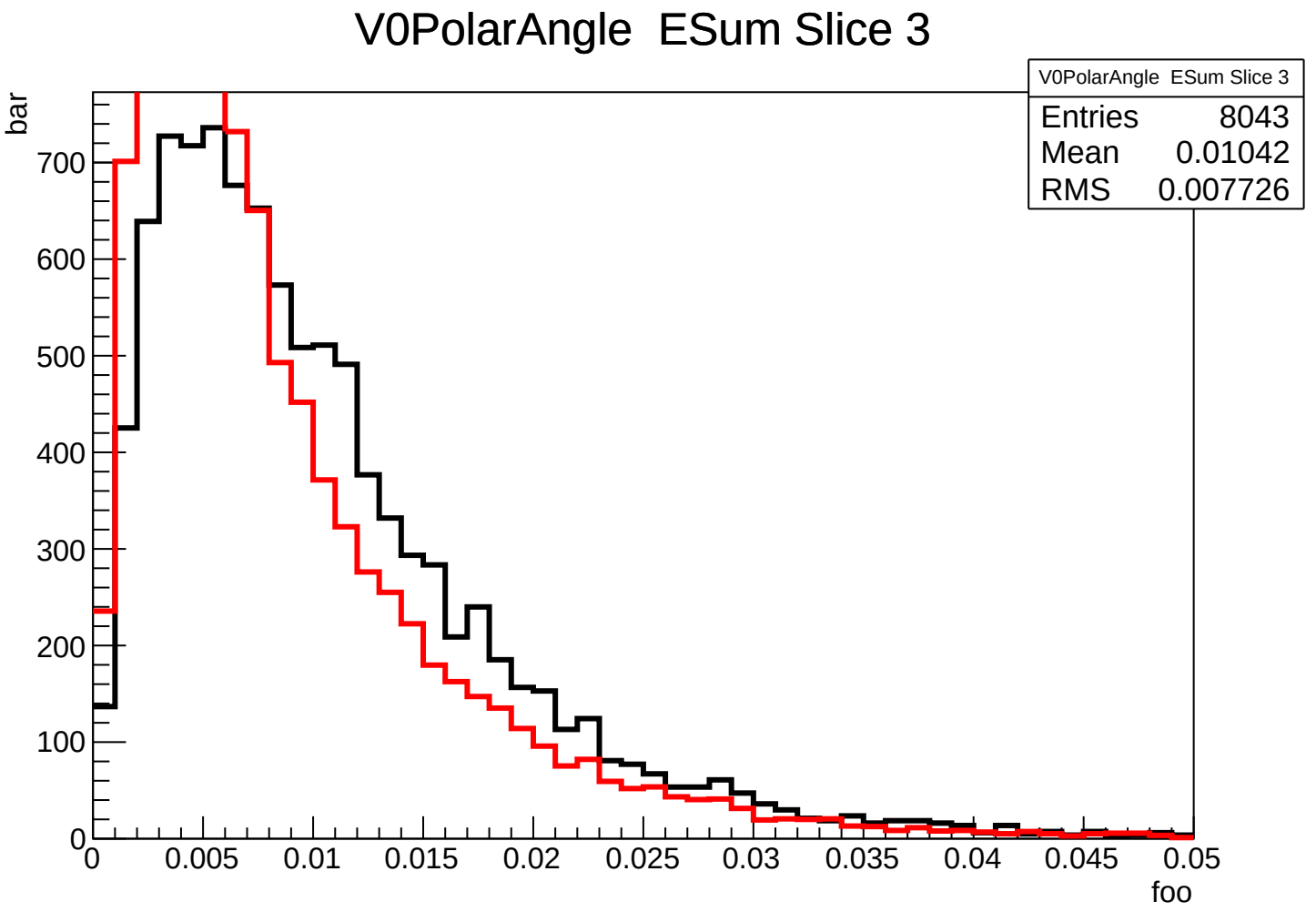

posTheta ESum Slice 3
posTheta ESum Slice 3
Entries 8043
Mean –8.87e–05
RMS 0.03615
bar
700
600
500
400
300
200
100
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

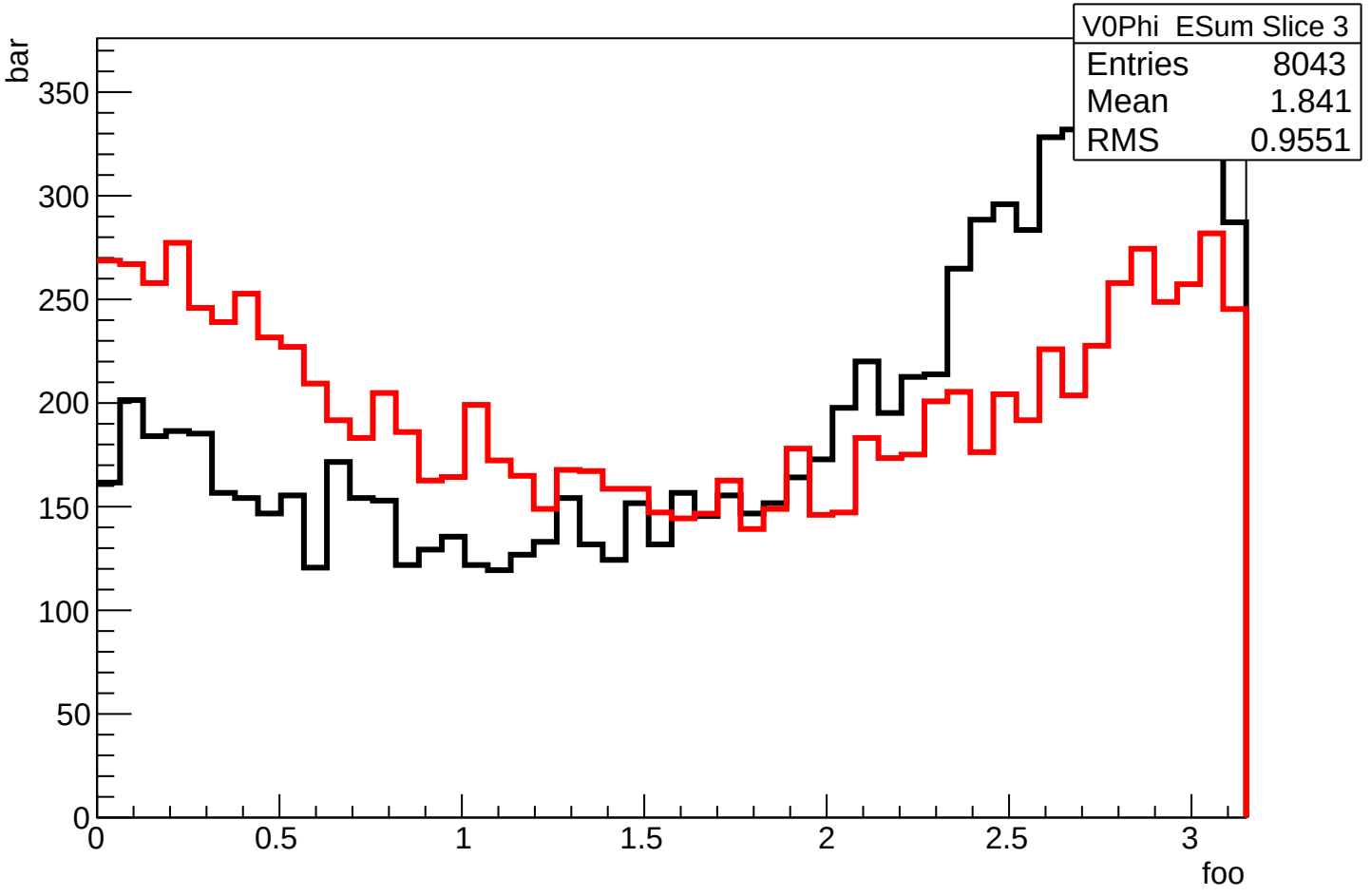

elePhi0 ESum Slice 3
elePhi0 ESum Slice 3
Entries 8043
Mean 0.03082
RMS 0.02112
bar
900
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

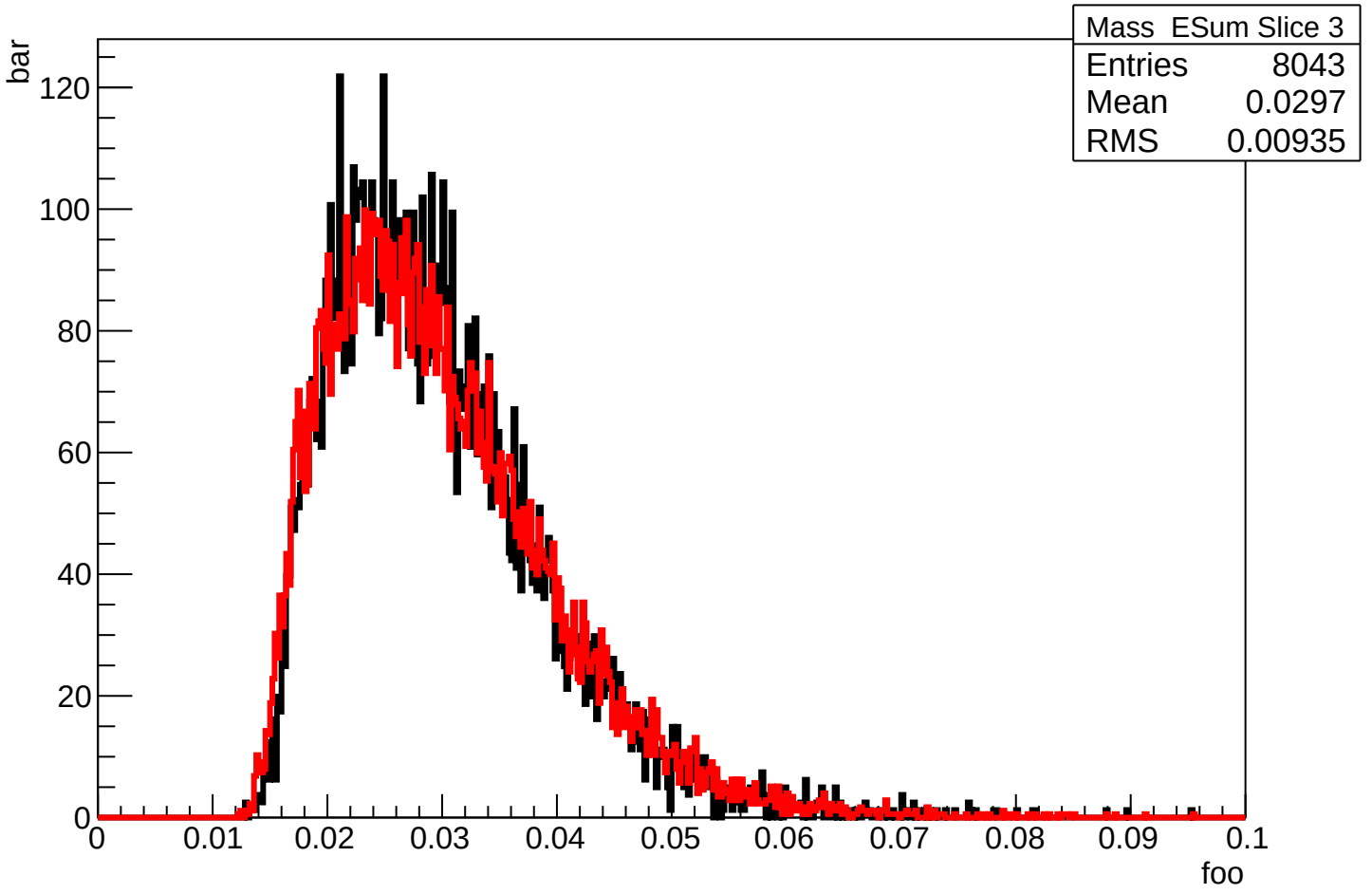

posPhi0 ESum Slice 3
posPhi0 ESum Slice 3
Entries 8043
Mean 0.03082
RMS 0.02112
bar
900
800
700
600
500
400
300
200
100
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

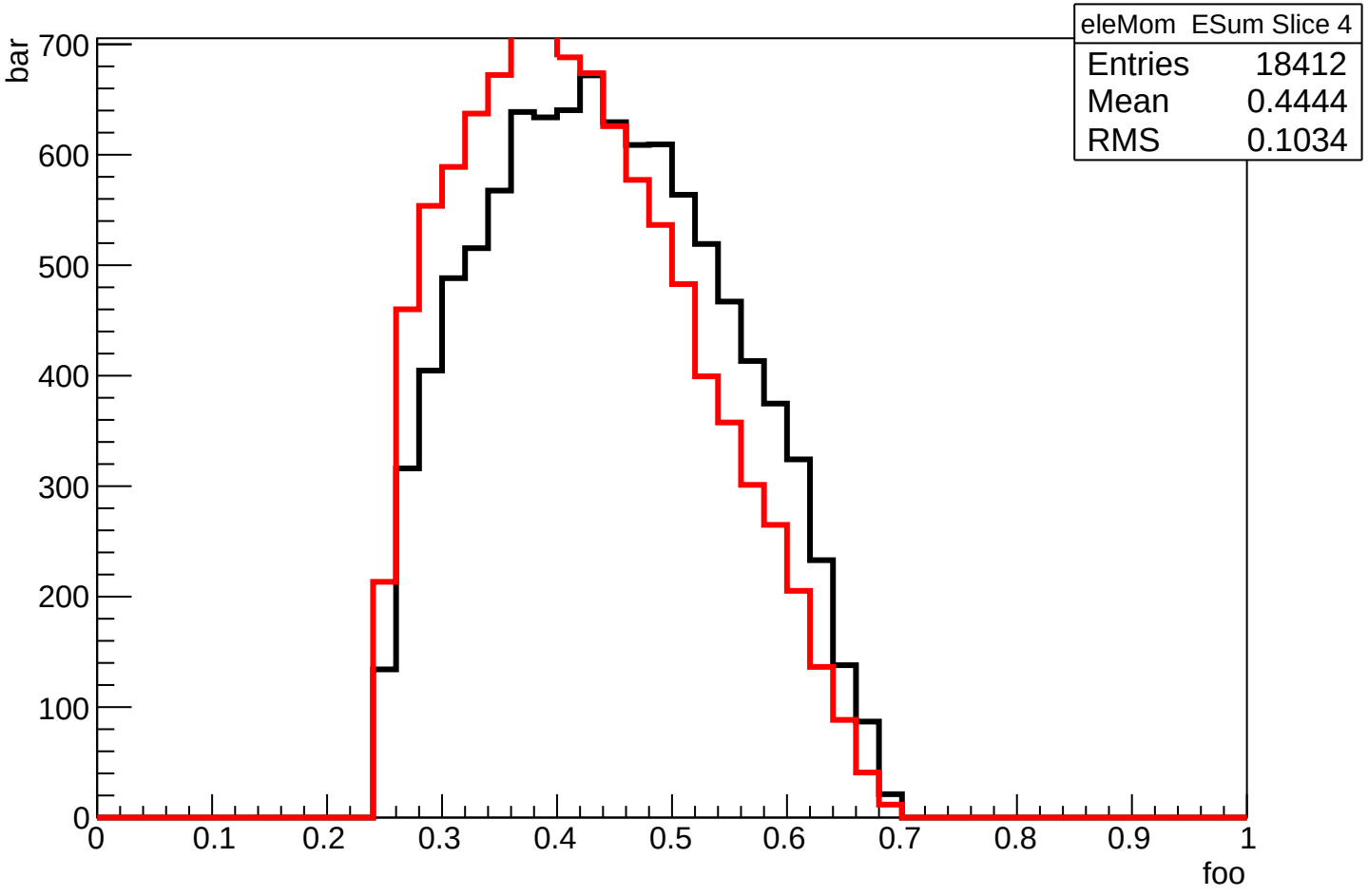

Coplanarity ESum Slice 3
Coplanarity ESum Slice 3
Entries 8043
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

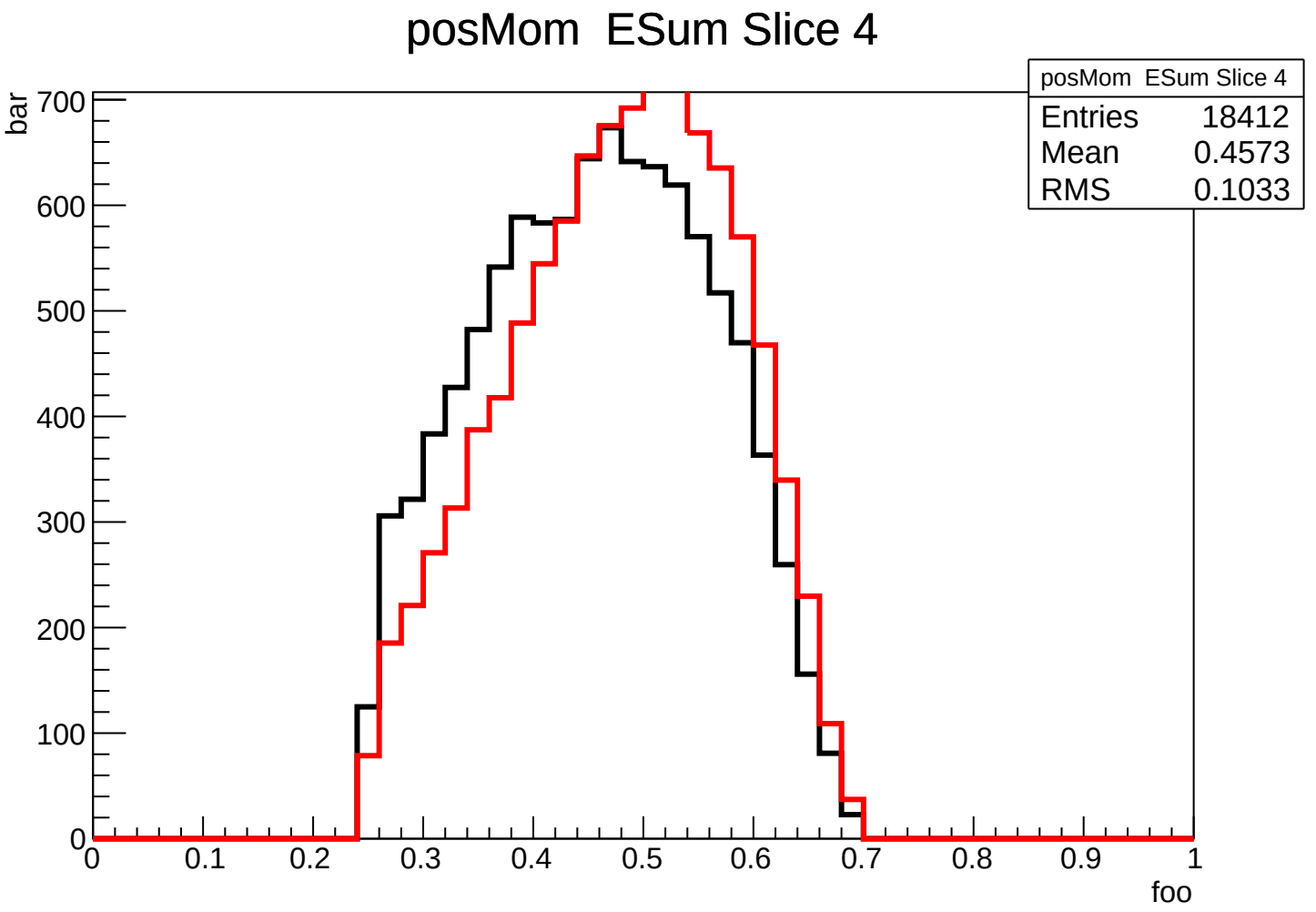

Ediff ESum Slice 3
Ediff ESum Slice 3
Entries 8043
Mean −0.005934
RMS 0.2068
bar
0
100
200
300
400
500
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

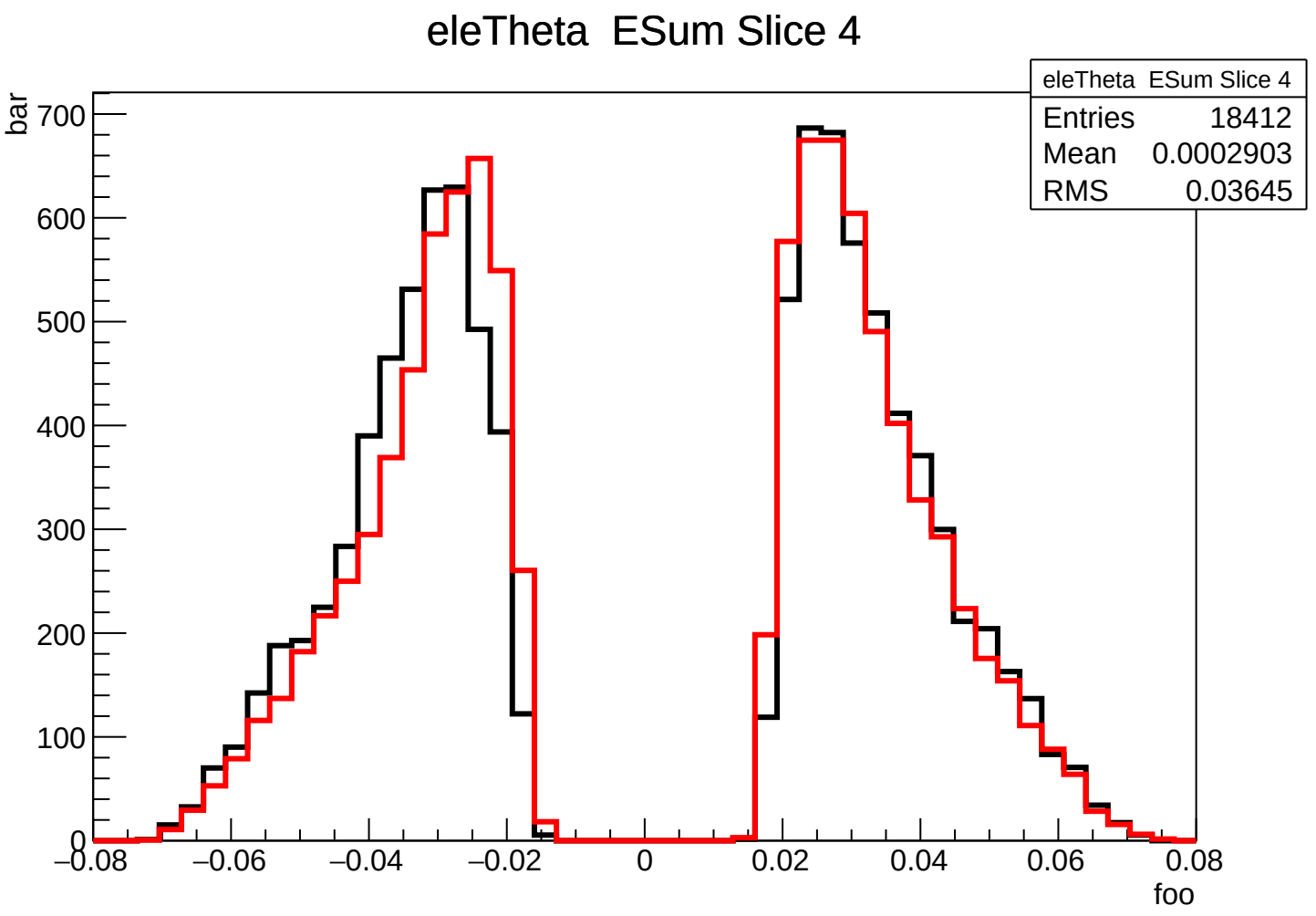

V0PolarAngle ESum Slice 3
V0PolarAngle ESum Slice 3
Entries 8043
Mean 0.01042
RMS 0.007726
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

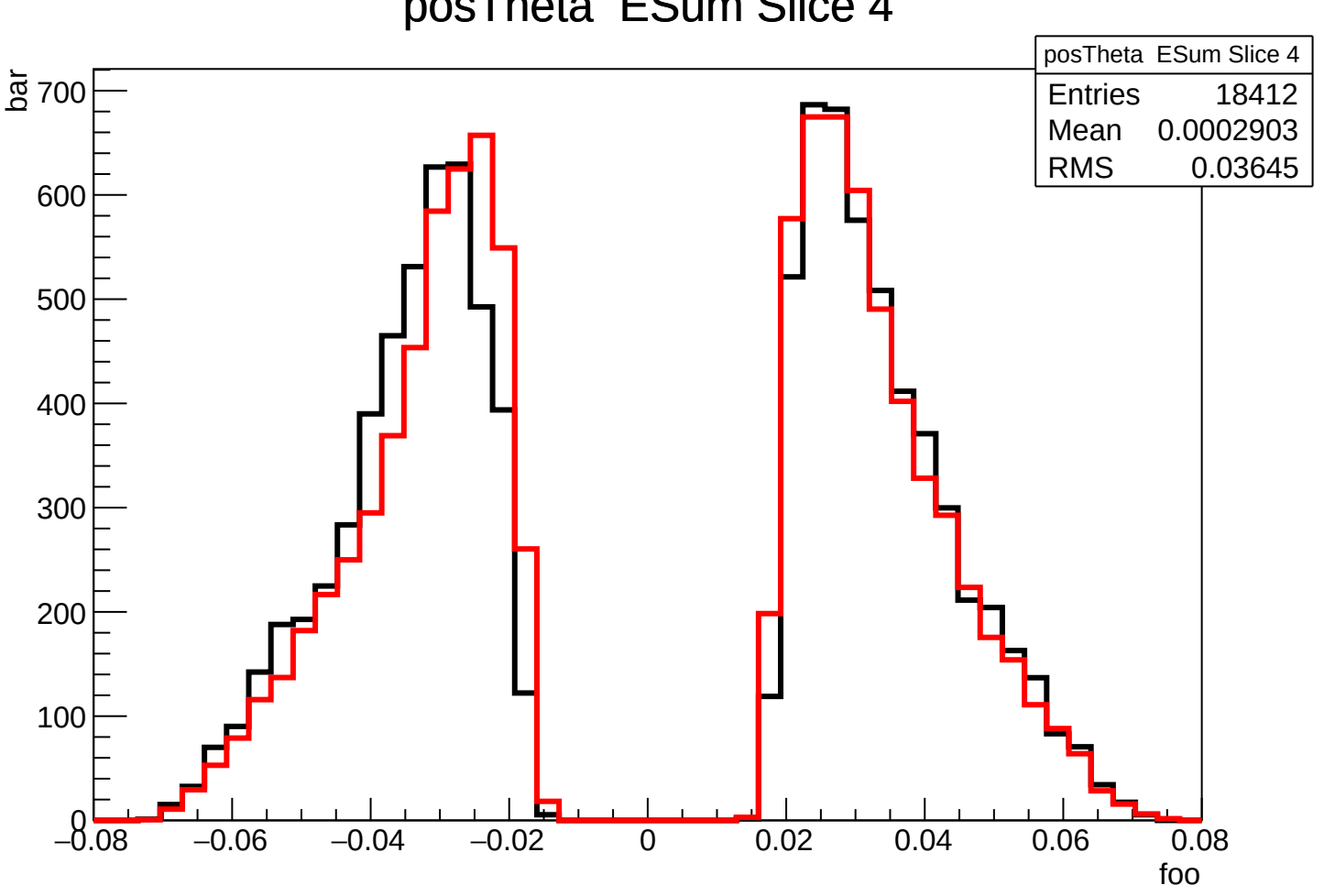

V0Phi ESum Slice 3
V0Phi ESum Slice 3
Entries 8043
Mean 1.841
RMS 0.9551
bar
foo
0
50
100
150
200
250
300
350
0
0.5
1
1.5
2
2.5
3

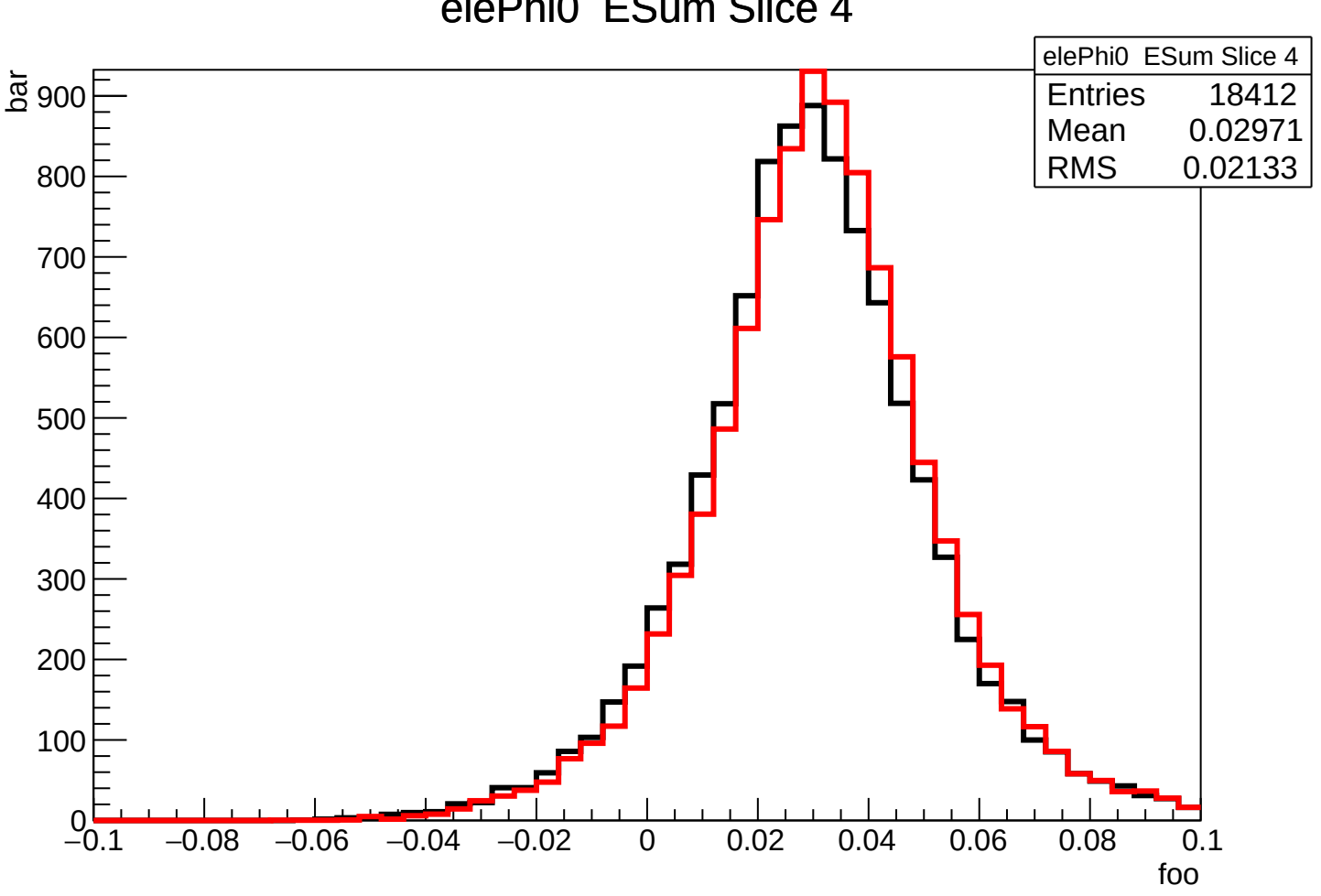

Mass ESum Slice 3
Mass ESum Slice 3
Entries 8043
Mean 0.0297
RMS 0.00935
bar
foo
0
20
40
60
80
100
120
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1

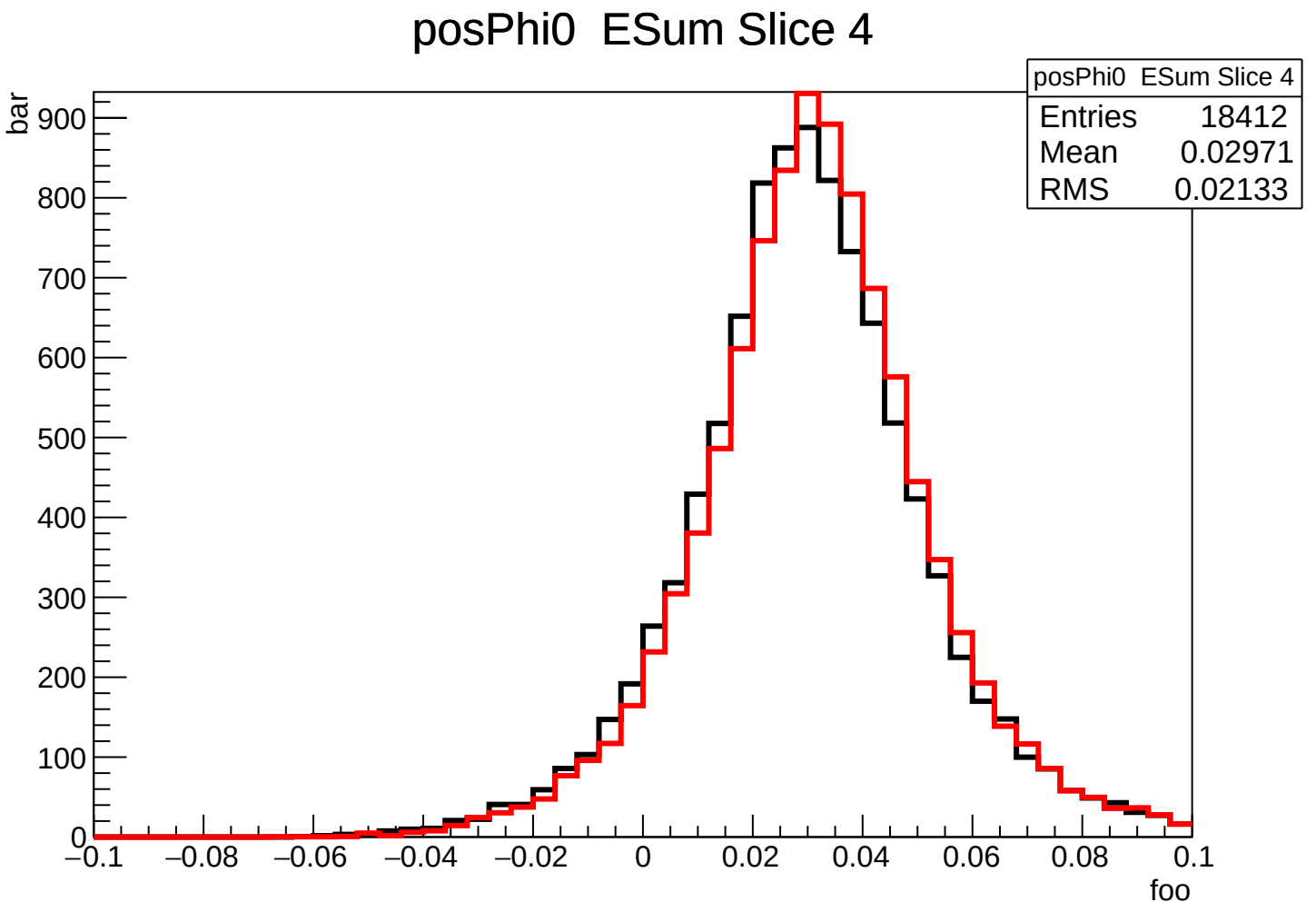

eleMom ESum Slice 4
eleMom ESum Slice 4
Entries 18412
Mean 0.4444
RMS 0.1034
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

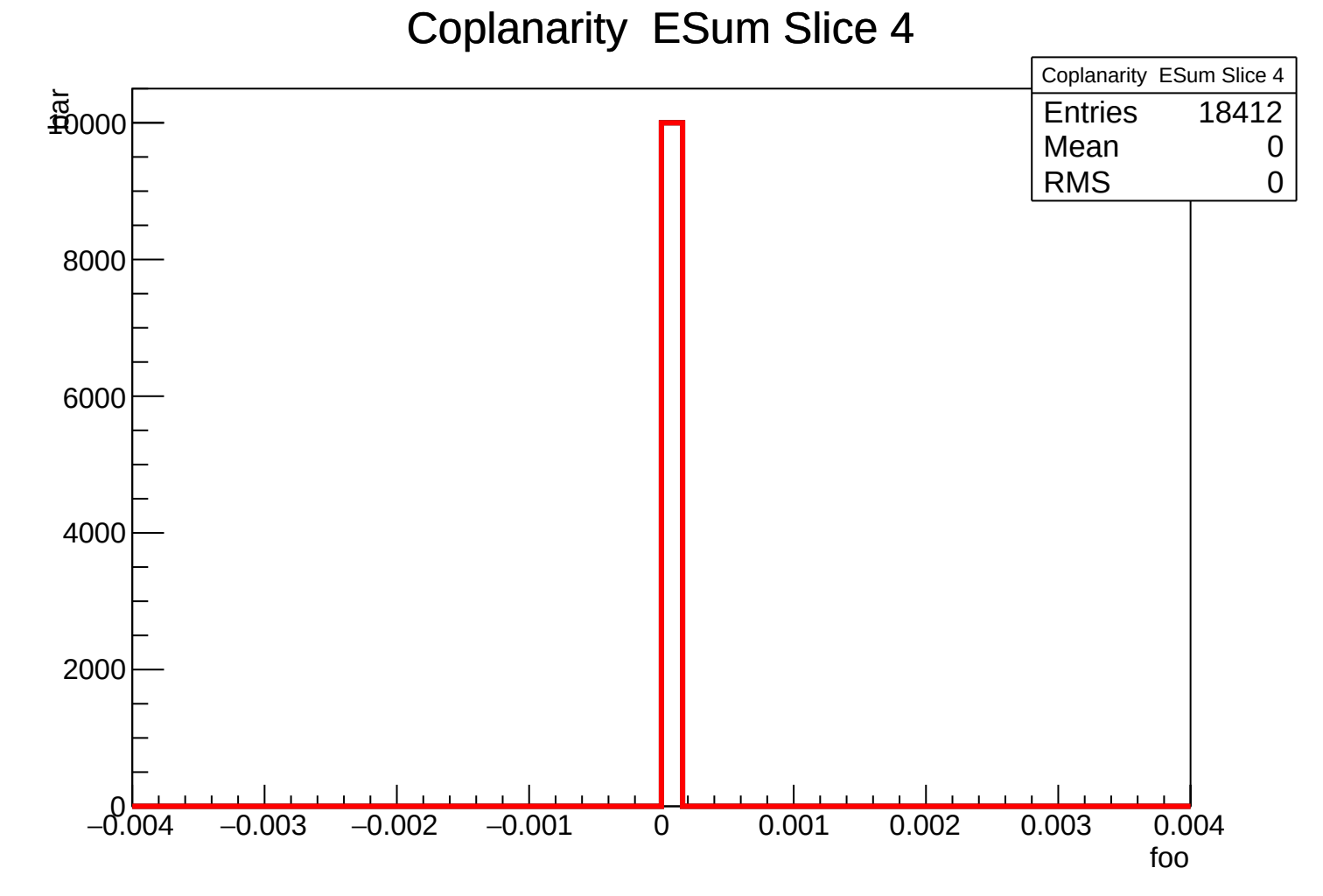

posMom ESum Slice 4
posMom ESum Slice 4
Entries 18412
Mean 0.4573
RMS 0.1033
bar
foo
0
100
200
300
400
500
600
700
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

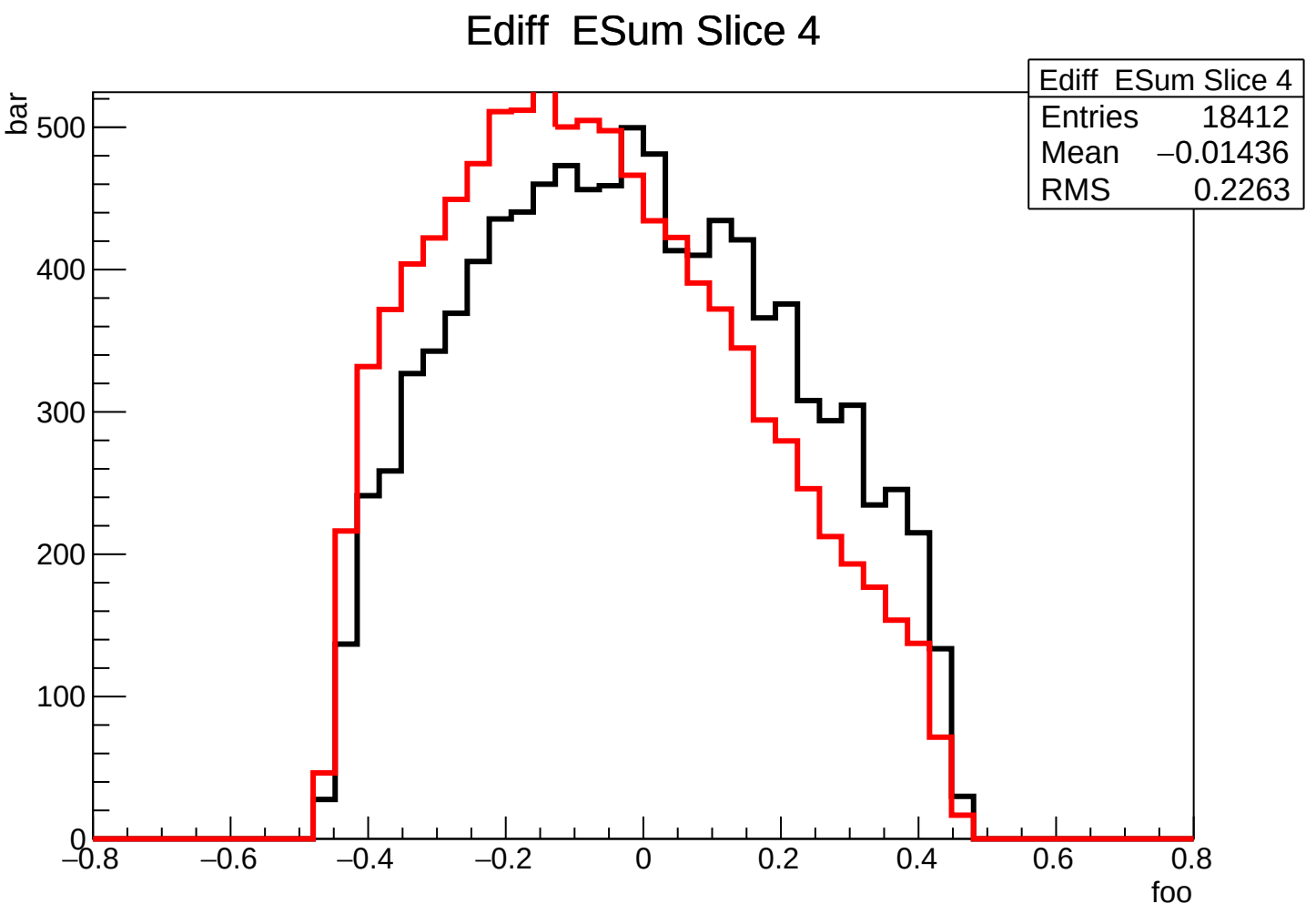

eleTheta ESum Slice 4
eleTheta ESum Slice 4
Entries 18412
Mean 0.0002903
RMS 0.03645
bar
700
600
500
400
300
200
100
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

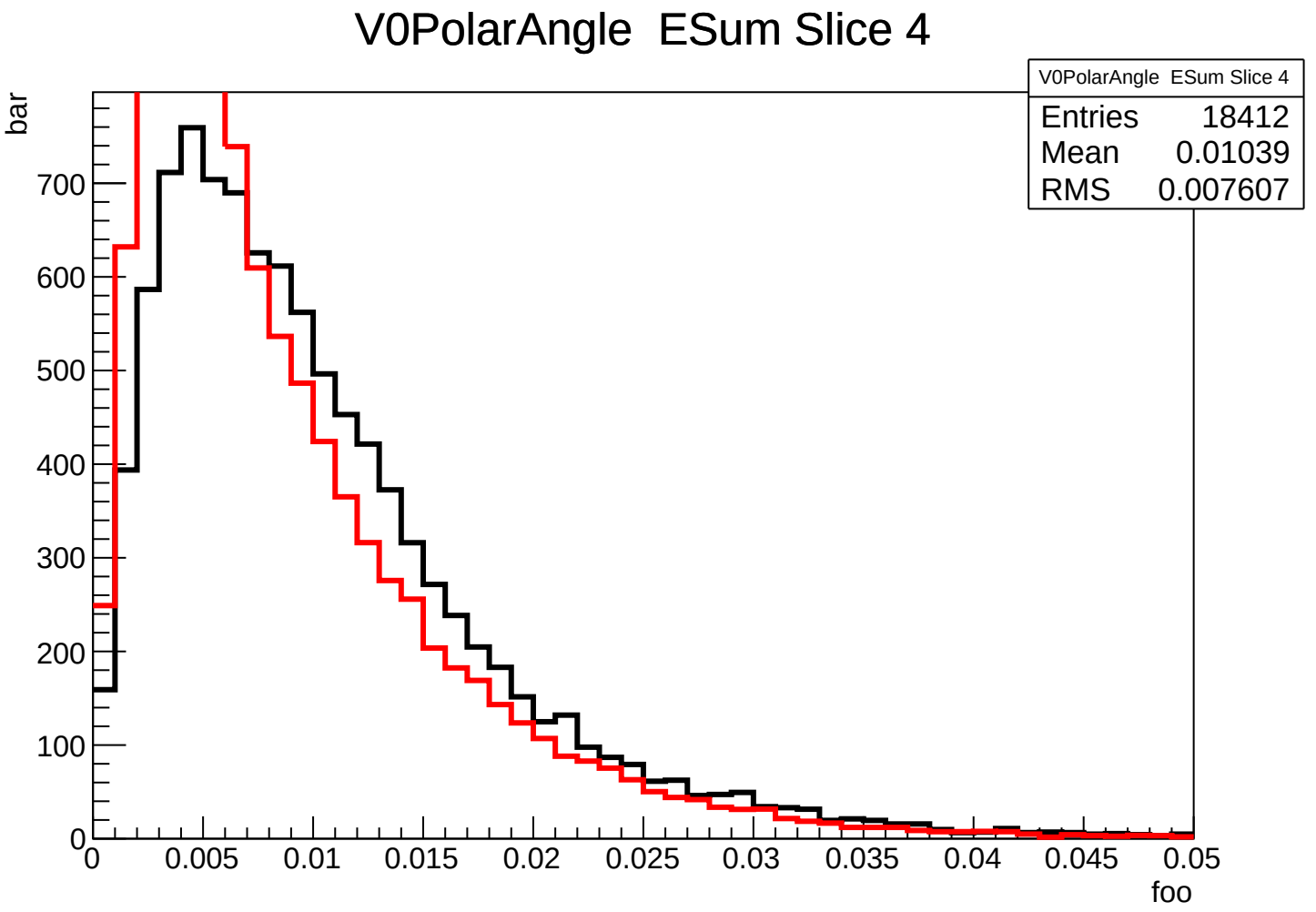

posTheta ESum Slice 4
posTheta ESum Slice 4
Entries 18412
Mean 0.0002903
RMS 0.03645
bar
700
600
500
400
300
200
100
0
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
foo

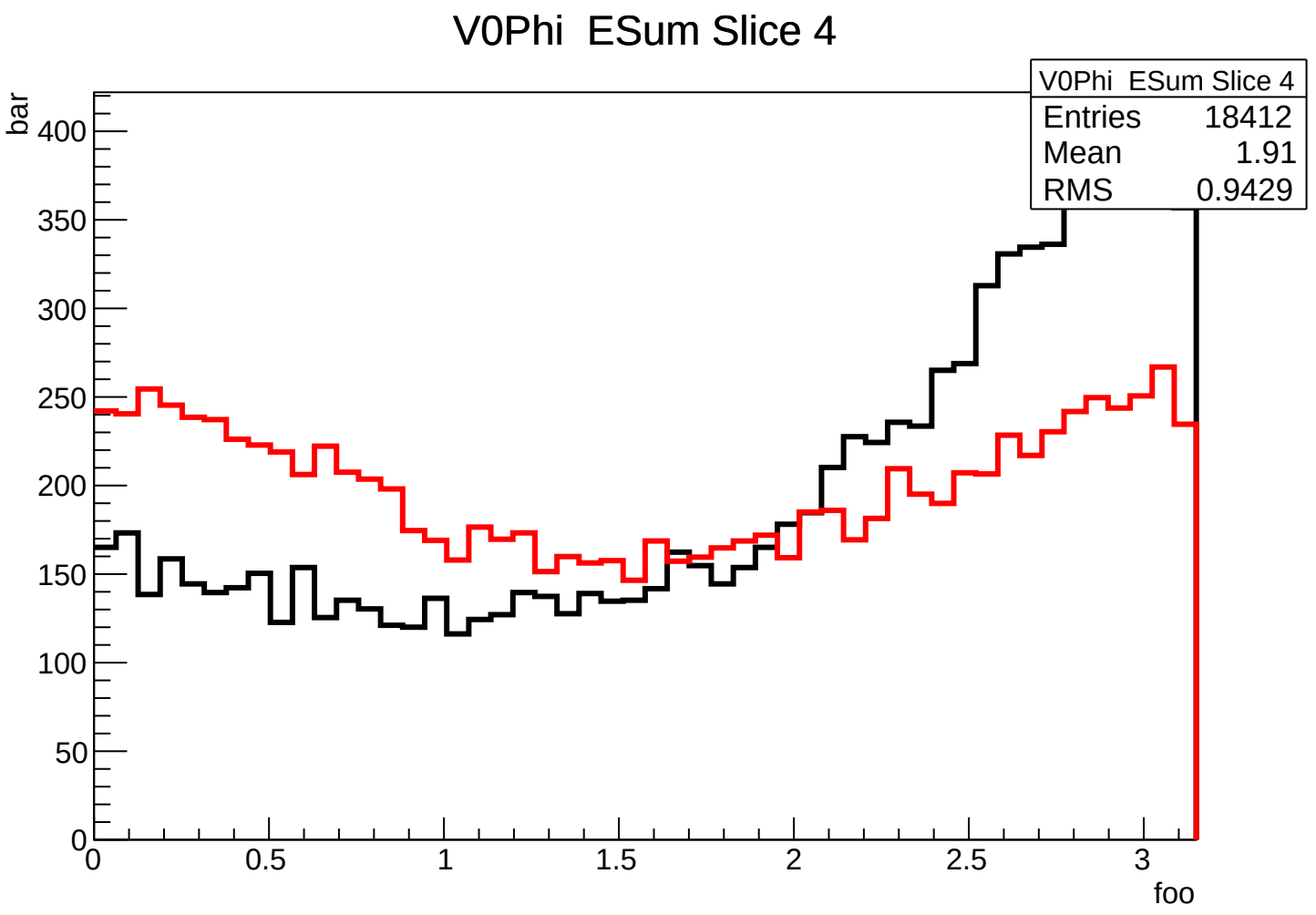

elePhi0 ESum Slice 4
elePhi0 ESum Slice 4
Entries 18412
Mean 0.02971
RMS 0.02133
bar
foo
0
100
200
300
400
500
600
700
800
900
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

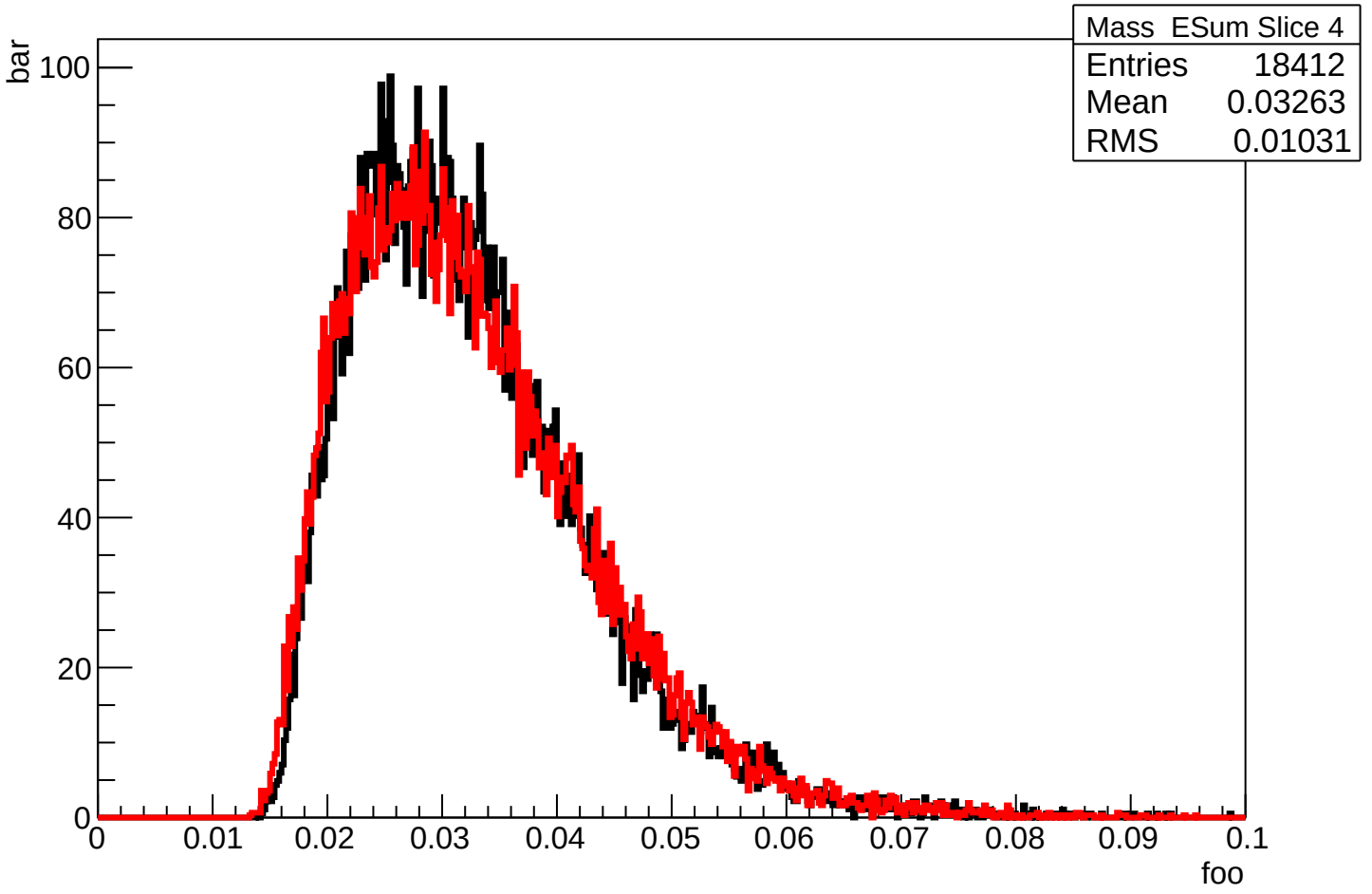

posPhi0 ESum Slice 4
posPhi0 ESum Slice 4
Entries 18412
Mean 0.02971
RMS 0.02133
bar
0
100
200
300
400
500
600
700
800
900
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

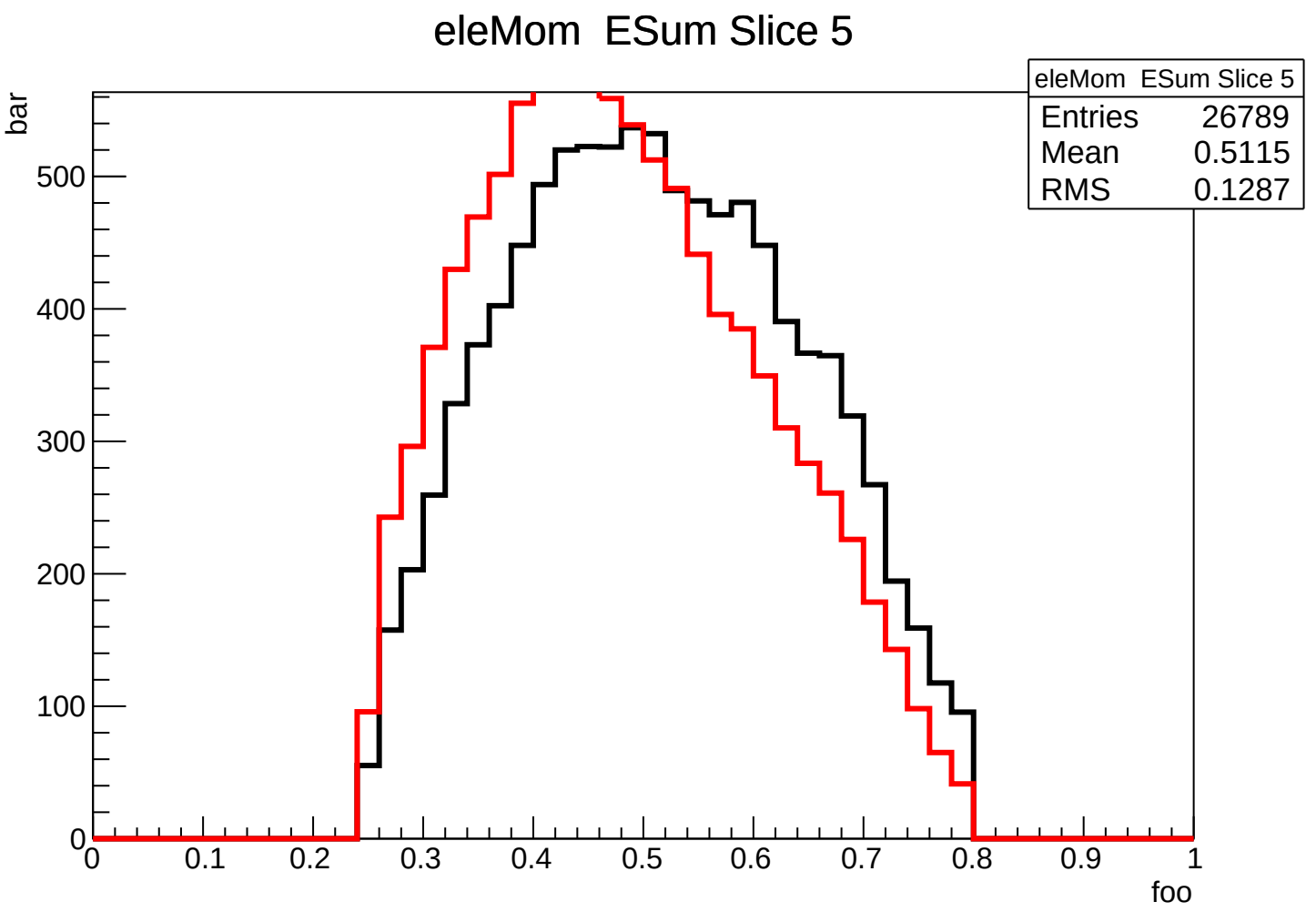

Coplanarity ESum Slice 4
Coplanarity ESum Slice 4
Entries 18412
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo

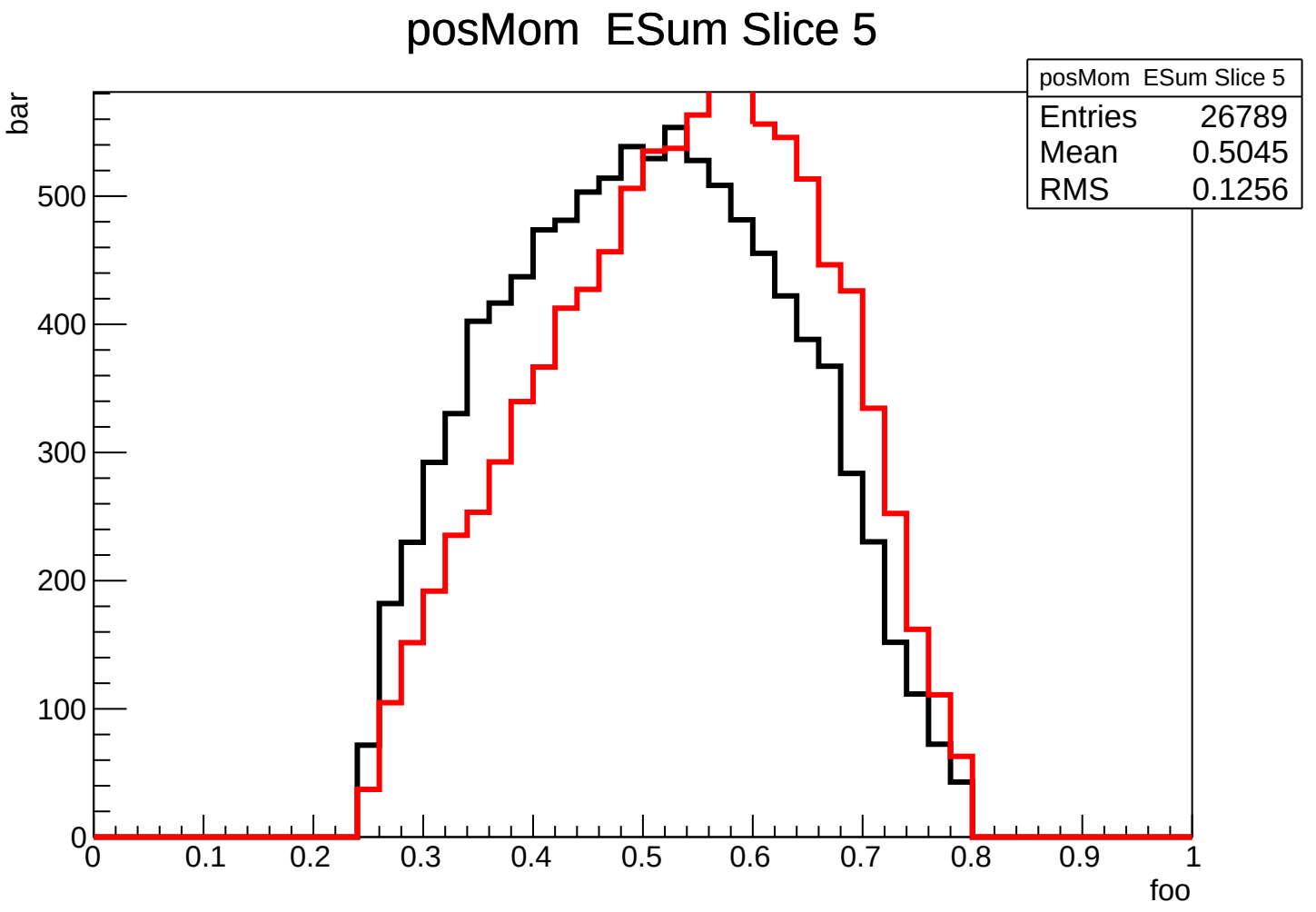

Ediff ESum Slice 4
Ediff ESum Slice 4
Entries 18412
Mean −0.01436
RMS 0.2263
bar
0
100
200
300
400
500
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
foo

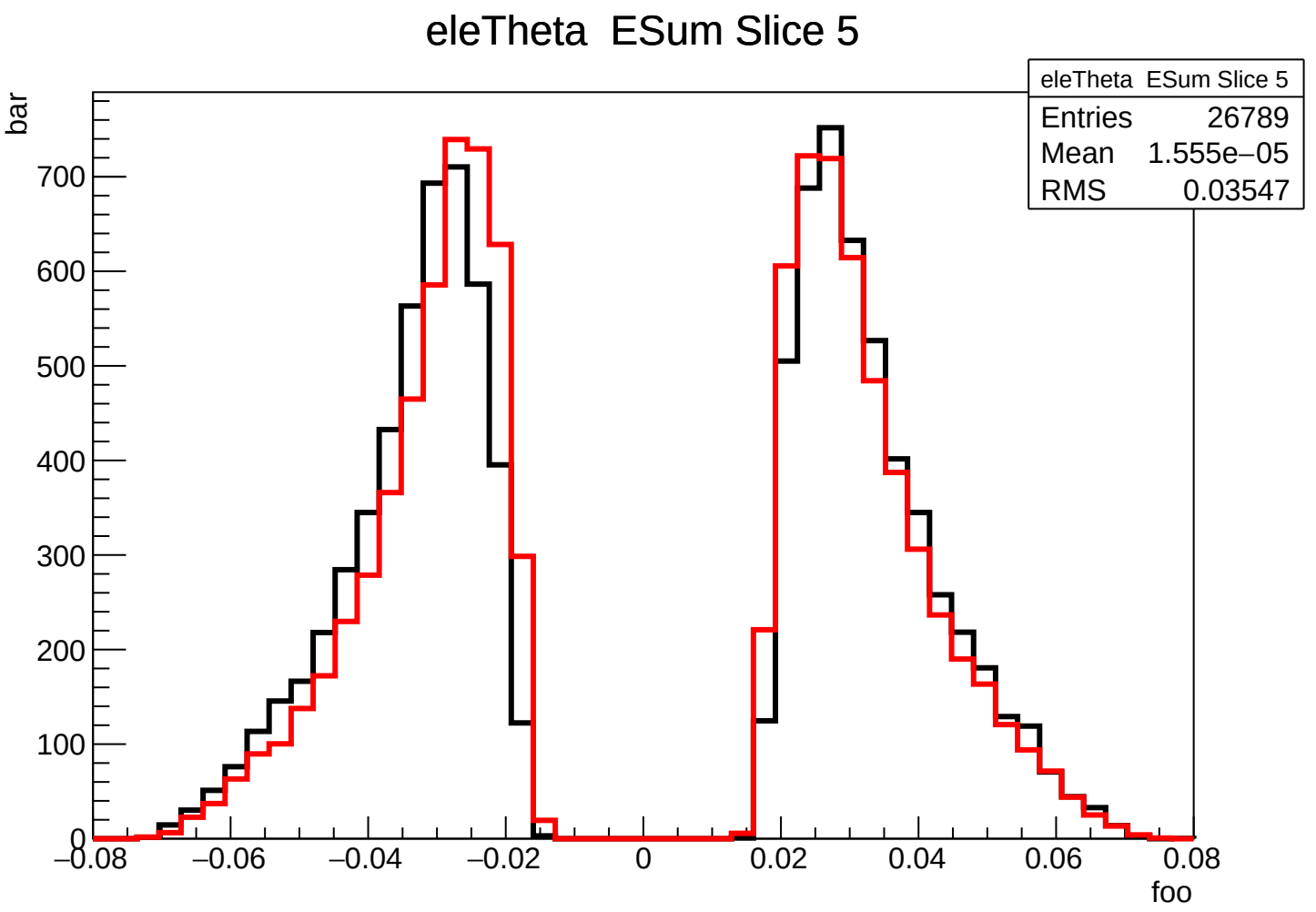

V0PolarAngle ESum Slice 4
V0PolarAngle ESum Slice 4
Entries 18412
Mean 0.01039
RMS 0.007607
bar
foo
0
100
200
300
400
500
600
700
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

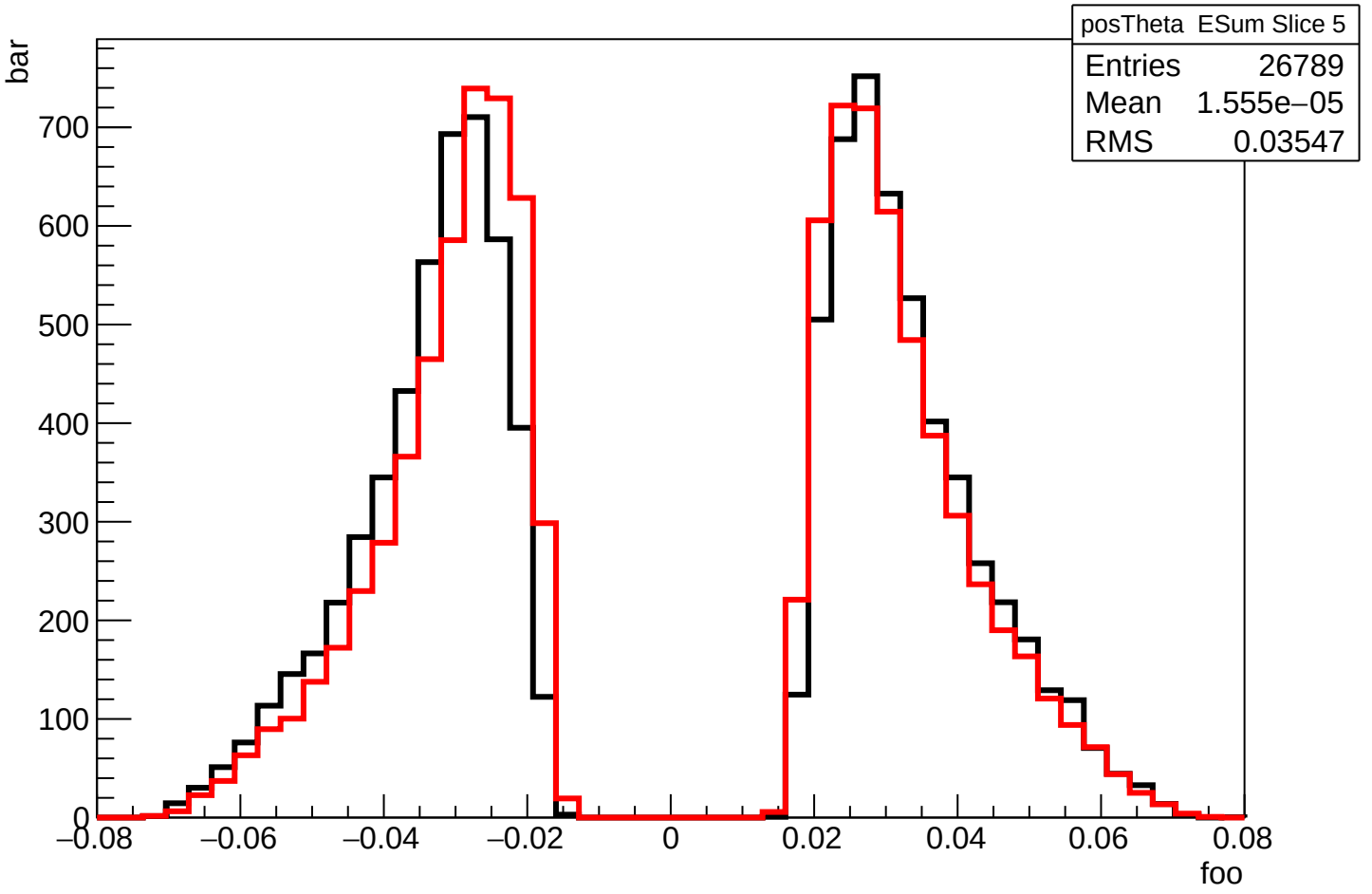

V0Phi ESum Slice 4
V0Phi ESum Slice 4
Entries 18412
Mean 1.91
RMS 0.9429
bar
foo
0
50
100
150
200
250
300
350
400
0
0.5
1
1.5
2
2.5
3

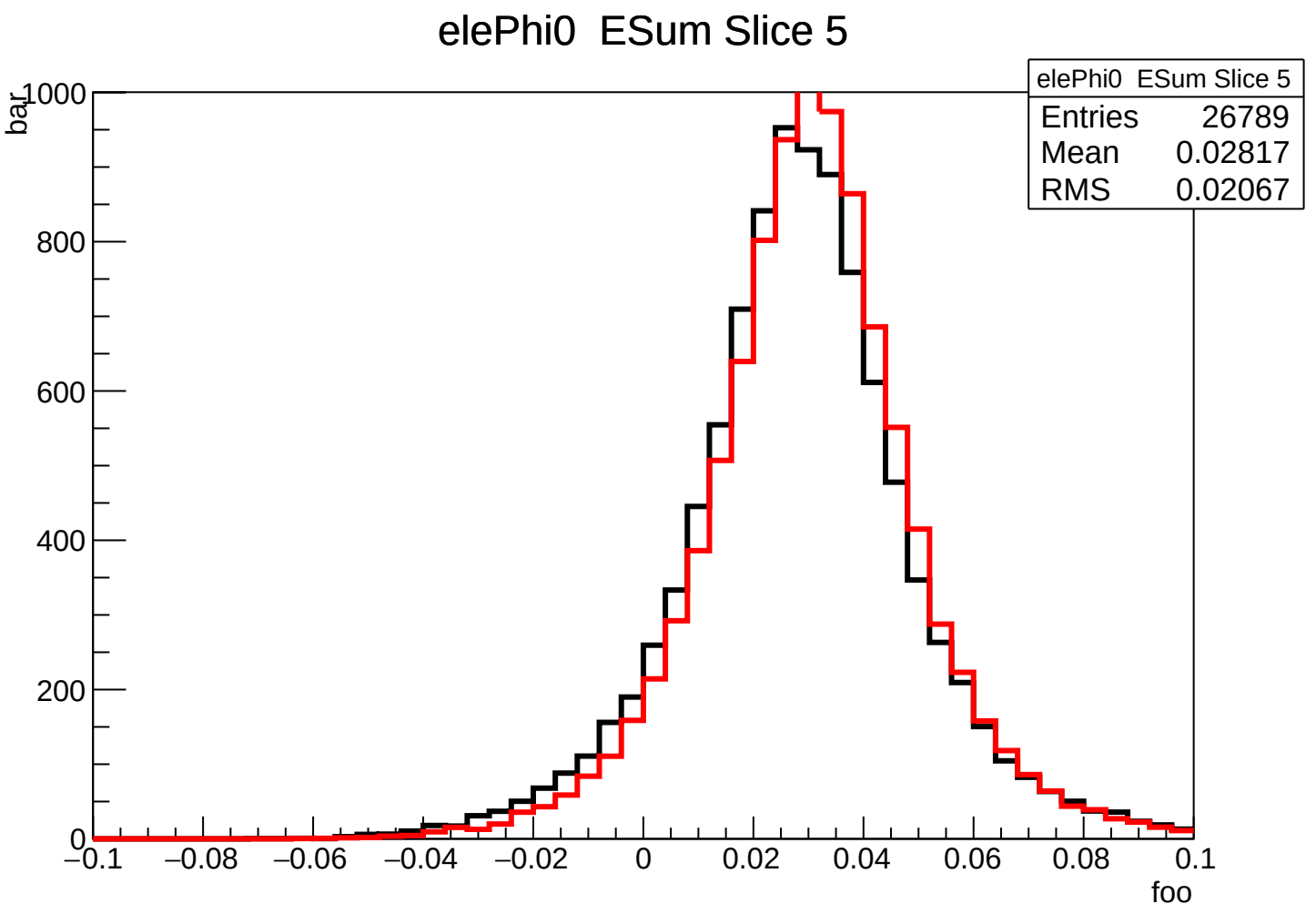

Mass ESum Slice 4
Mass ESum Slice 4
Entries 18412
Mean 0.03263
RMS 0.01031
bar
100
80
60
40
20
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
foo

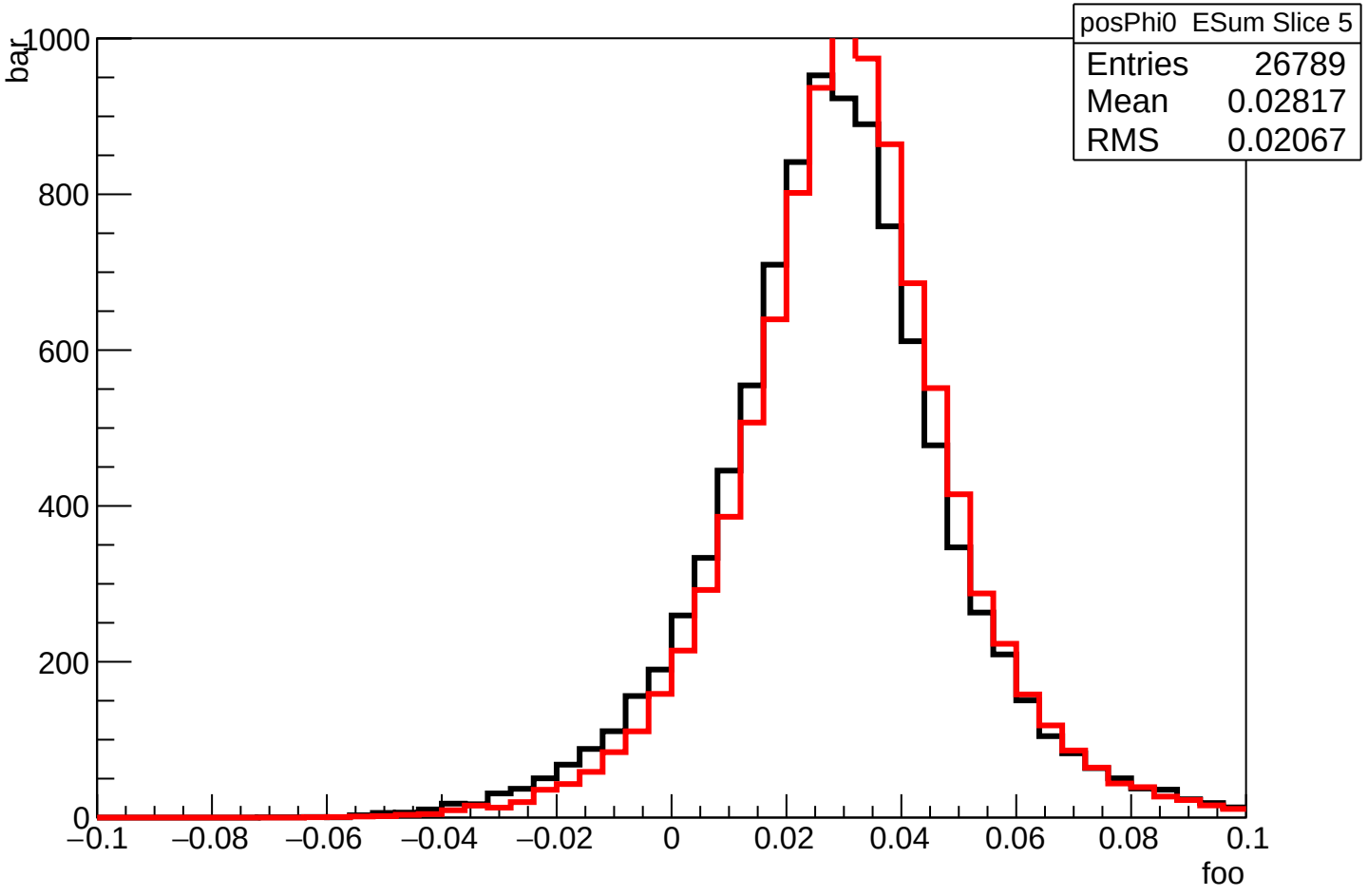

eleMom ESum Slice 5
eleMom ESum Slice 5
Entries 26789
Mean 0.5115
RMS 0.1287
bar
0
100
200
300
400
500
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
foo

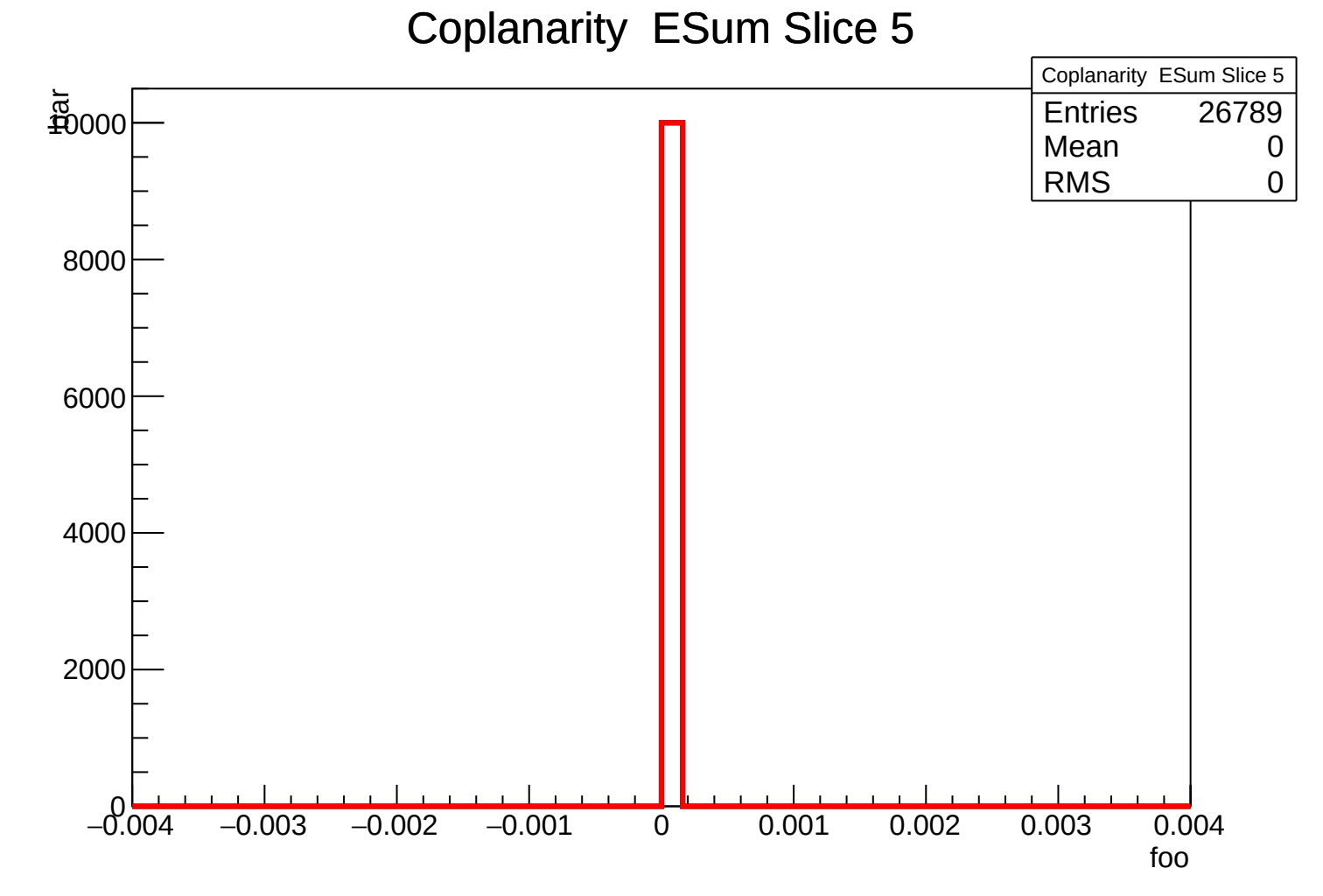

posMom ESum Slice 5
posMom ESum Slice 5
Entries 26789
Mean 0.5045
RMS 0.1256
bar
foo
0
100
200
300
400
500
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

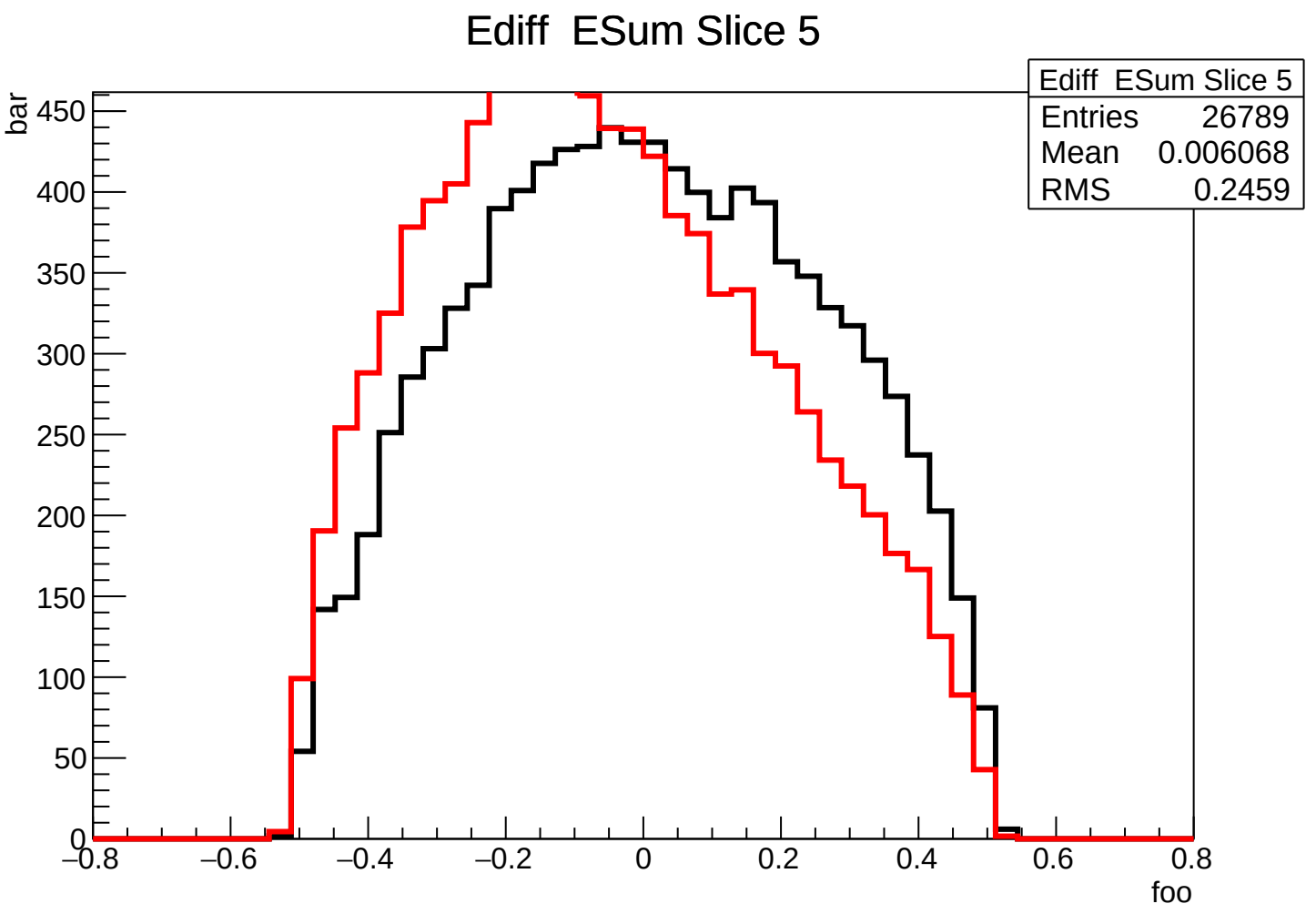

eleTheta ESum Slice 5
eleTheta ESum Slice 5
Entries 26789
Mean 1.555e−05
RMS 0.03547
bar
0
100
200
300
400
500
600
700
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

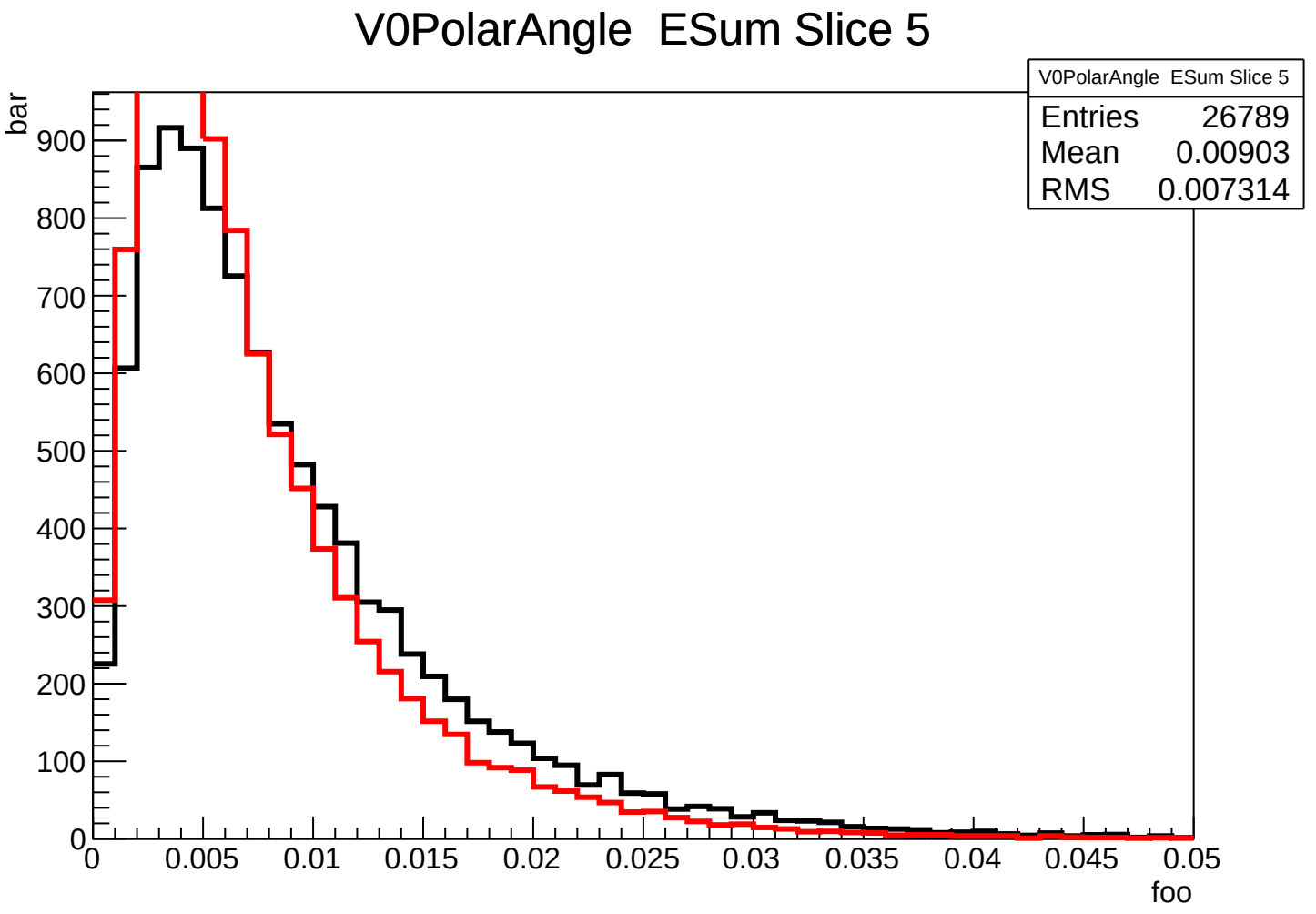

posTheta ESum Slice 5
posTheta ESum Slice 5
Entries 26789
Mean 1.555e−05
RMS 0.03547
bar
700
600
500
400
300
200
100
0
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
foo

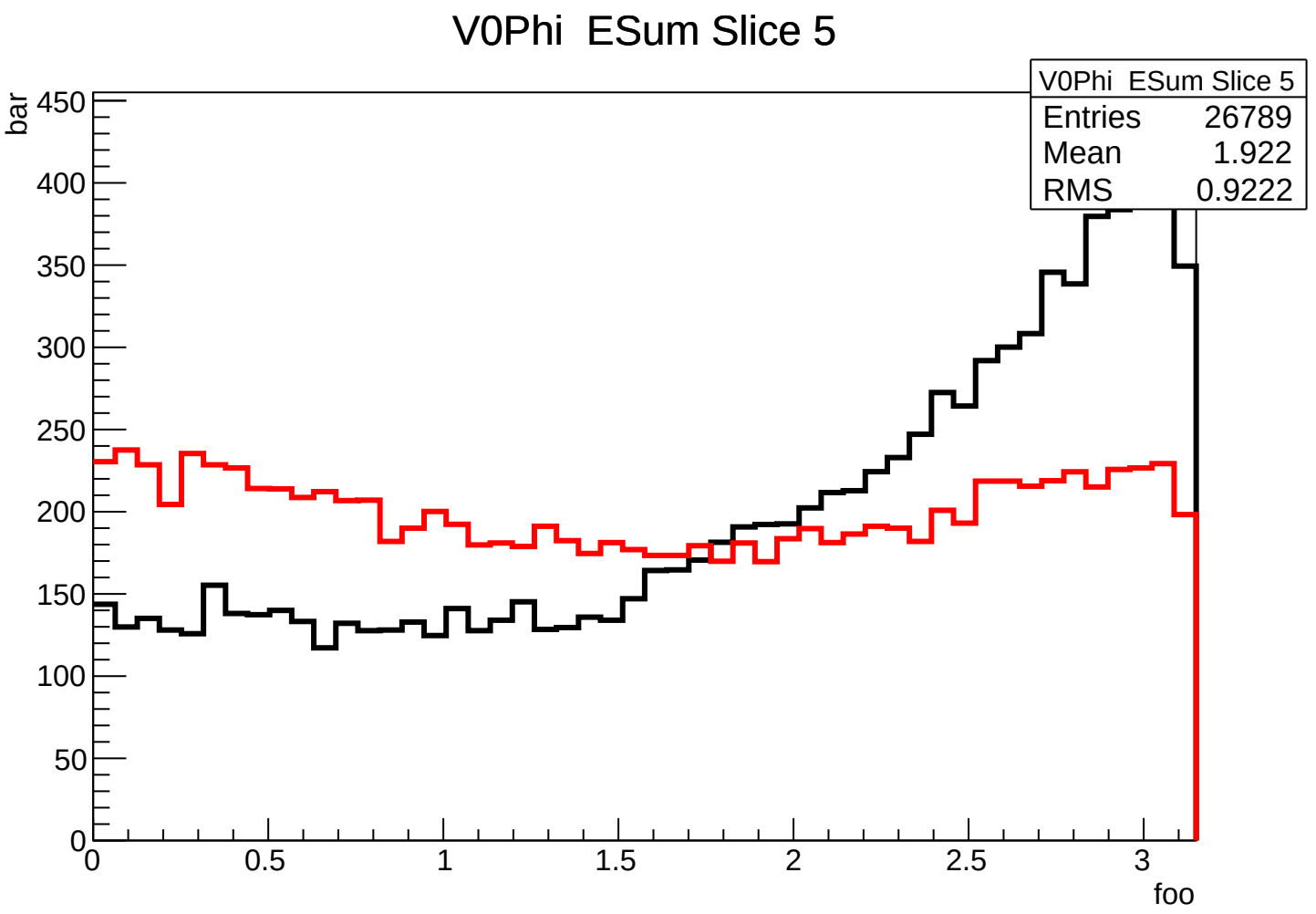

elePhi0 ESum Slice 5
elePhi0 ESum Slice 5
Entries 26789
Mean 0.02817
RMS 0.02067
bar
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo

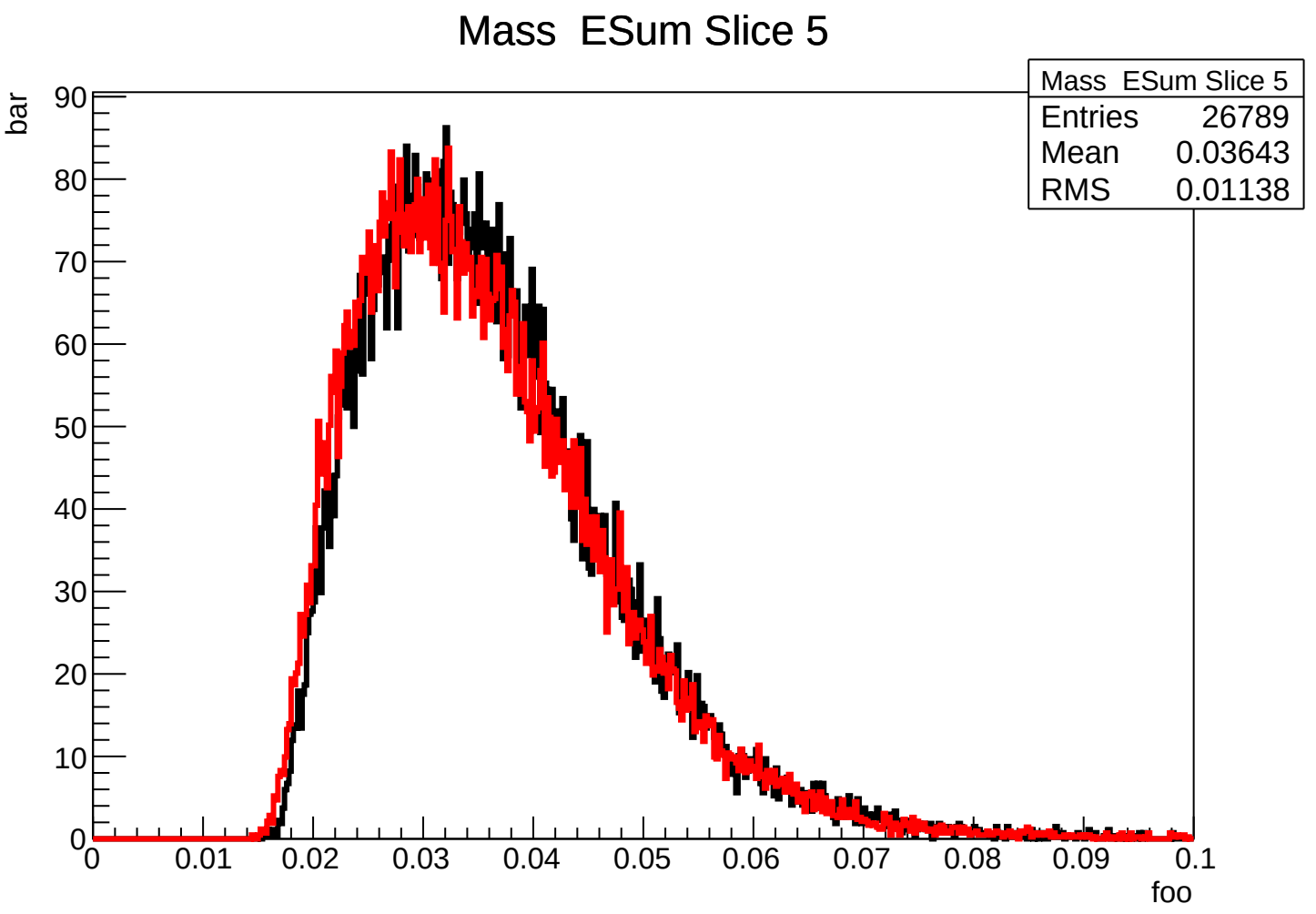

posPhi0 ESum Slice 5
posPhi0 ESum Slice 5
Entries 26789
Mean 0.02817
RMS 0.02067
bar
1000
800
600
400
200
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
foo


Coplanarity ESum Slice 5
Coplanarity ESum Slice 5
Entries 26789
Mean 0
RMS 0
bar
10000
8000
6000
4000
2000
0
–0.004
–0.003
–0.002
–0.001
0
0.001
0.002
0.003
0.004
foo


Ediff ESum Slice 5
Ediff ESum Slice 5
Entries 26789
Mean 0.006068
RMS 0.2459
bar
foo
0
50
100
150
200
250
300
350
400
450
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8


V0PolarAngle ESum Slice 5
V0PolarAngle ESum Slice 5
Entries 26789
Mean 0.00903
RMS 0.007314
bar
foo
0
100
200
300
400
500
600
700
800
900
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05


V0Phi ESum Slice 5
V0Phi ESum Slice 5
Entries 26789
Mean 1.922
RMS 0.9222
bar
foo
0
50
100
150
200
250
300
350
400
450
0
0.5
1
1.5
2
2.5
3


Mass ESum Slice 5
Mass ESum Slice 5
Entries 26789
Mean 0.03643
RMS 0.01138
bar
foo
0
10
20
30
40
50
60
70
80
90
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1