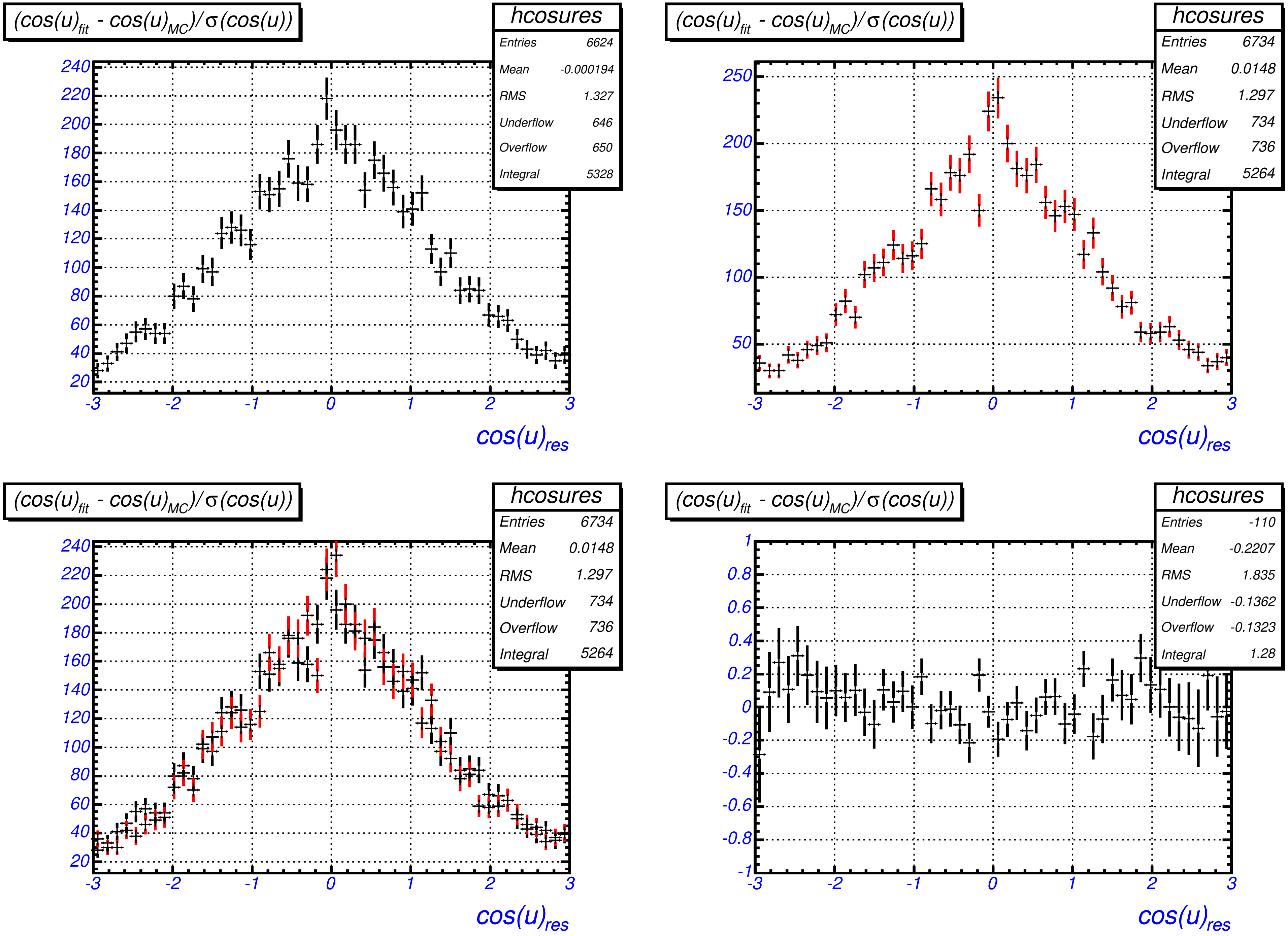
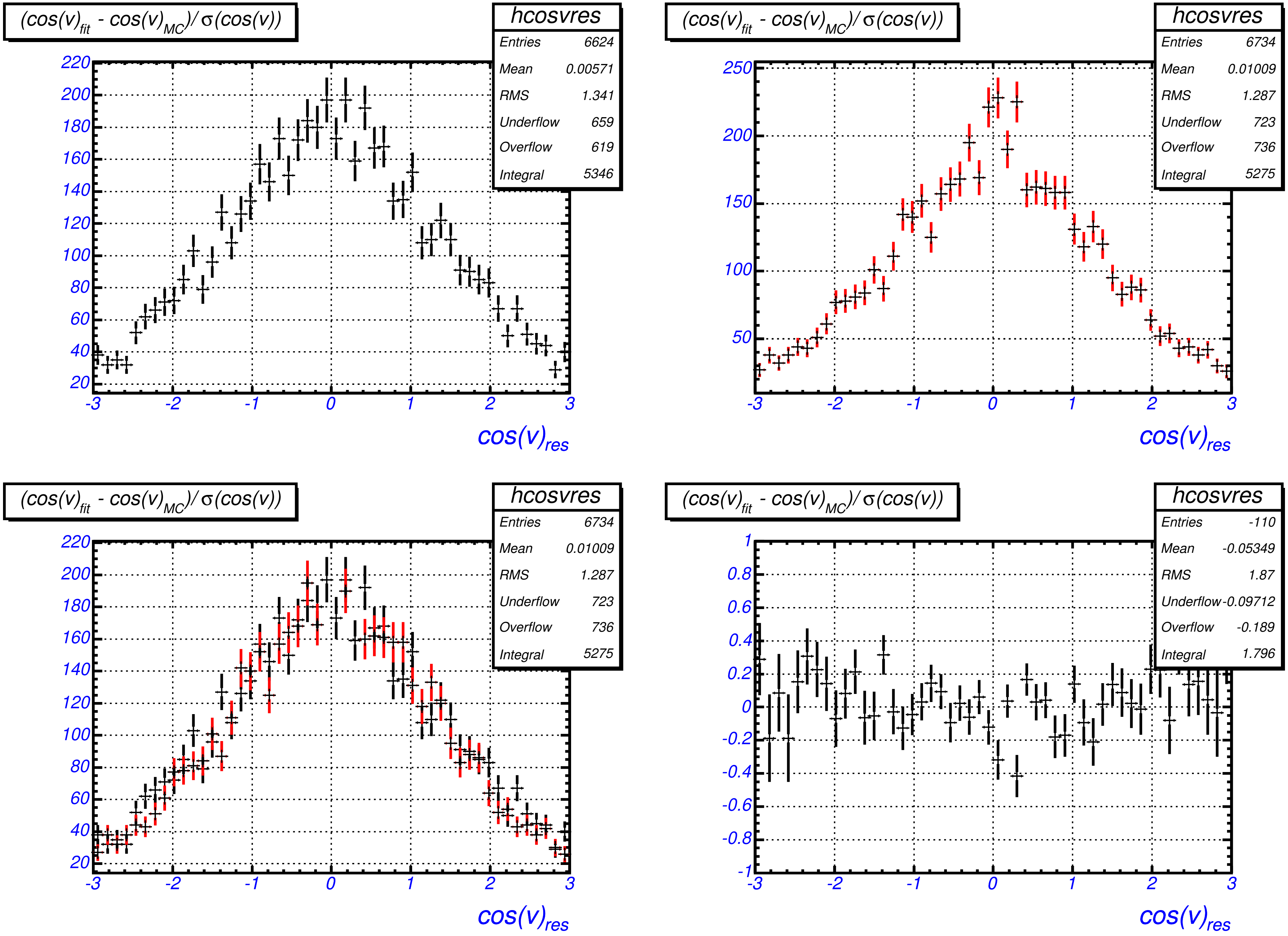
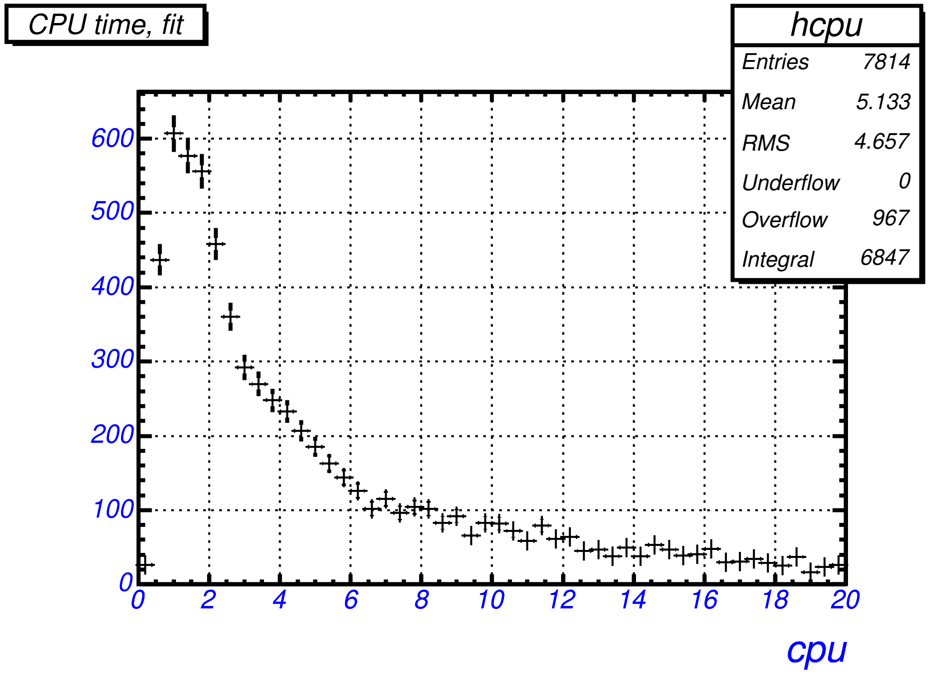
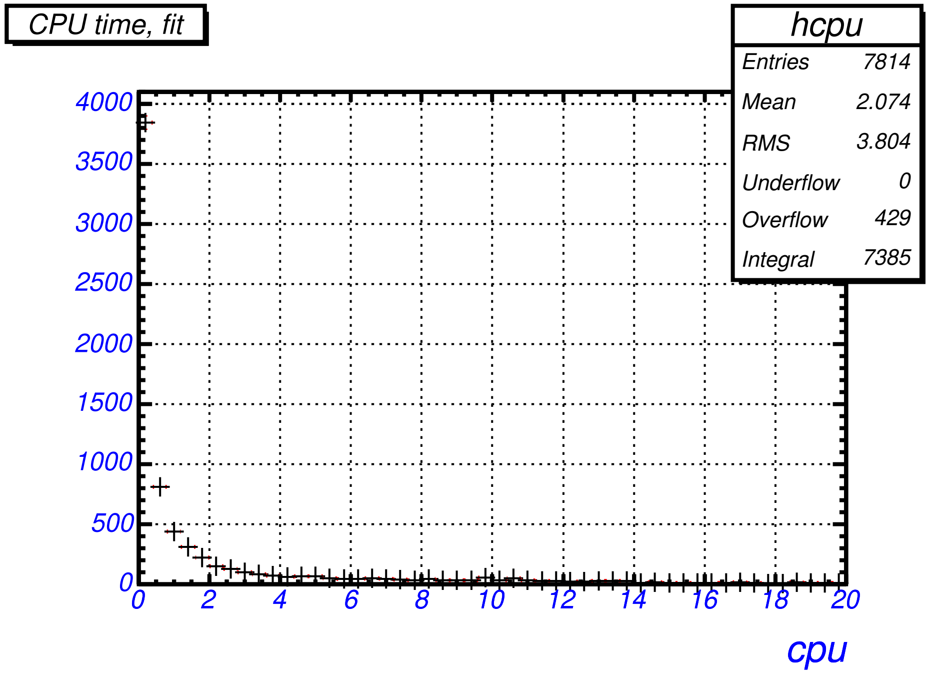
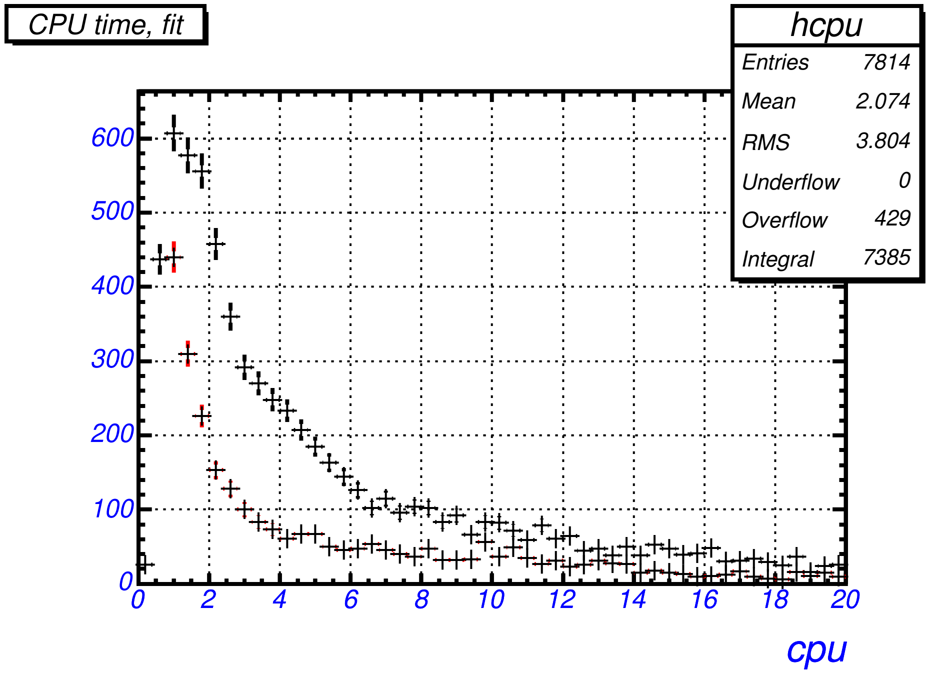


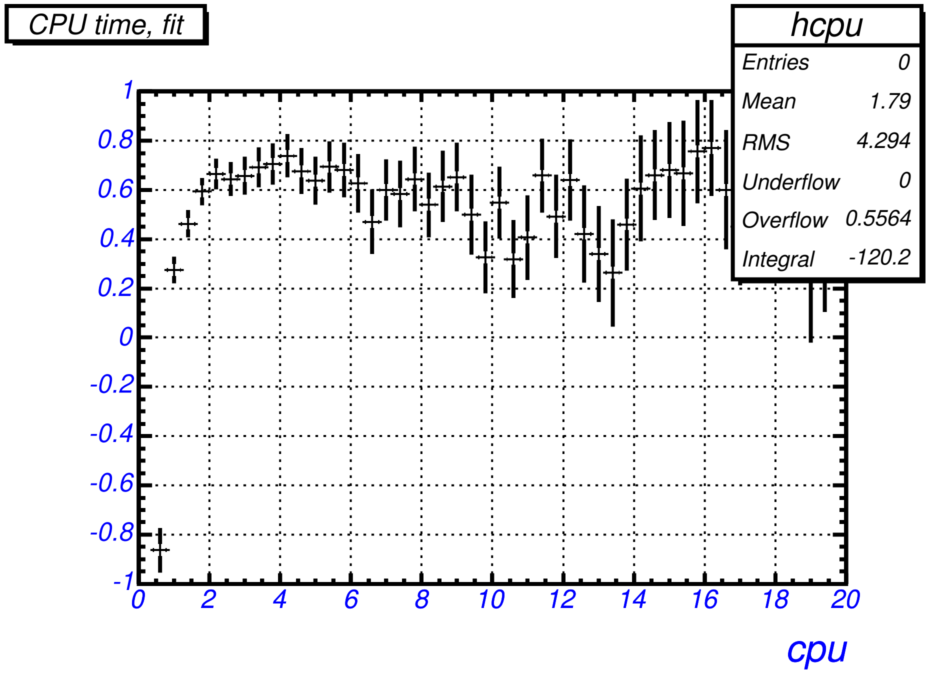
(cos(u)fit - cos(u)MC)/σ(cos(u))
hcosures
Entries 6624
Mean -0.000194
RMS 1.327
Underflow 646
Overflow 650
Integral 5328
cos(u)res
(cos(u)fit - cos(u)MC)/σ(cos(u))
hcosures
Entries 6734
Mean 0.0148
RMS 1.297
Underflow 734
Overflow 736
Integral 5264
cos(u)res
(cos(u)fit - cos(u)MC)/σ(cos(u))
hcosures
Entries 6734
Mean 0.0148
RMS 1.297
Underflow 734
Overflow 736
Integral 5264
cos(u)res
(cos(u)fit - cos(u)MC)/σ(cos(u))
hcosures
Entries -110
Mean -0.2207
RMS 1.835
Underflow -0.1362
Overflow -0.1323
Integral 1.28
cos(u)res

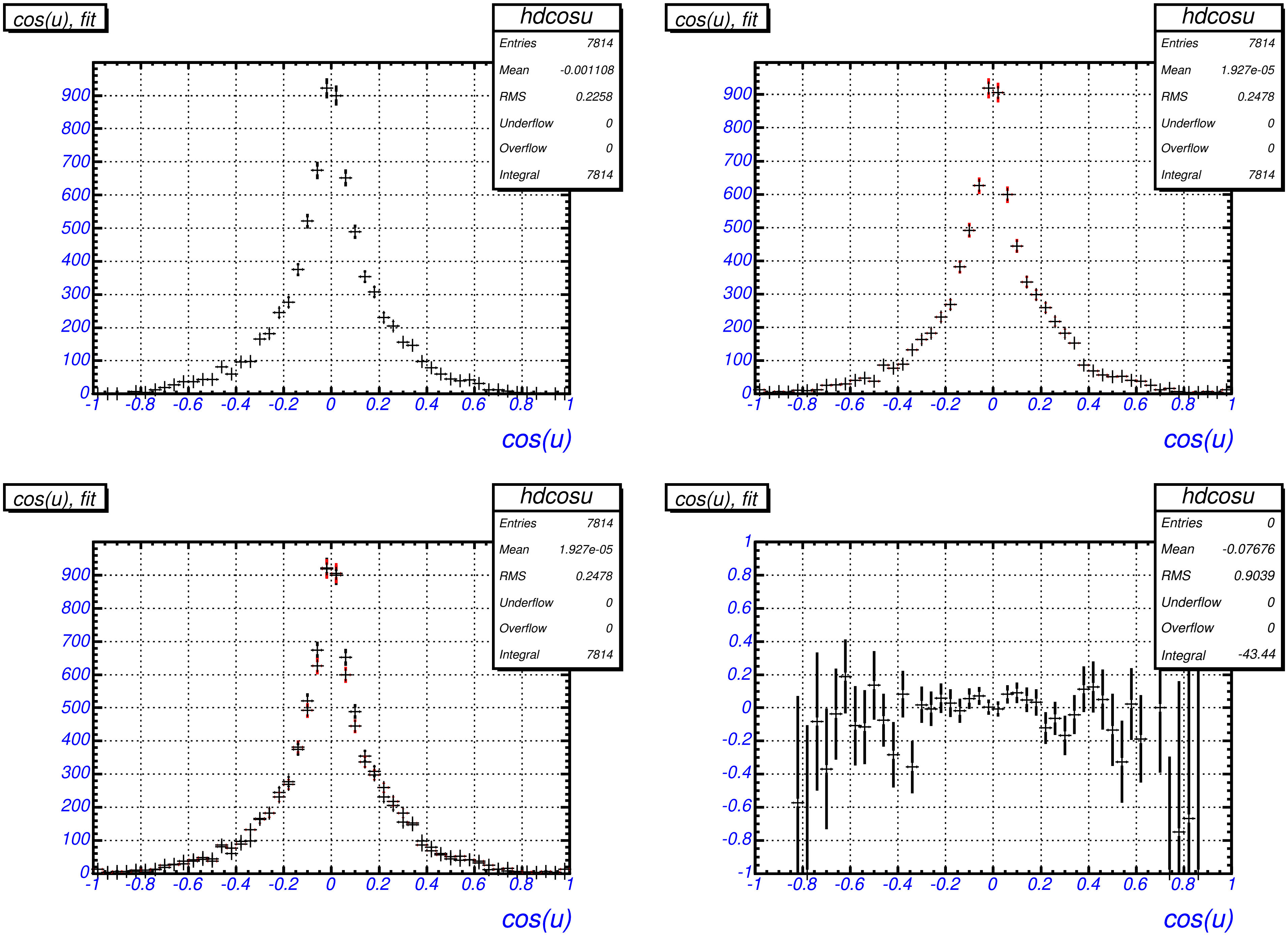

(cos(v)fit - cos(v)MC)/ σ(cos(v))
hcosvres
Entries 6624
Mean 0.00571
RMS 1.341
Underflow 659
Overflow 619
Integral 5346
cos(v)res
(cos(v)fit - cos(v)MC)/ σ(cos(v))
hcosvres
Entries 6734
Mean 0.01009
RMS 1.287
Underflow 723
Overflow 736
Integral 5275
cos(v)res
(cos(v)fit - cos(v)MC)/ σ(cos(v))
hcosvres
Entries 6734
Mean 0.01009
RMS 1.287
Underflow 723
Overflow 736
Integral 5275
cos(v)res
(cos(v)fit - cos(v)MC)/ σ(cos(v))
hcosvres
Entries -110
Mean -0.05349
RMS 1.87
Underflow -0.09712
Overflow -0.189
Integral 1.796
cos(v)res

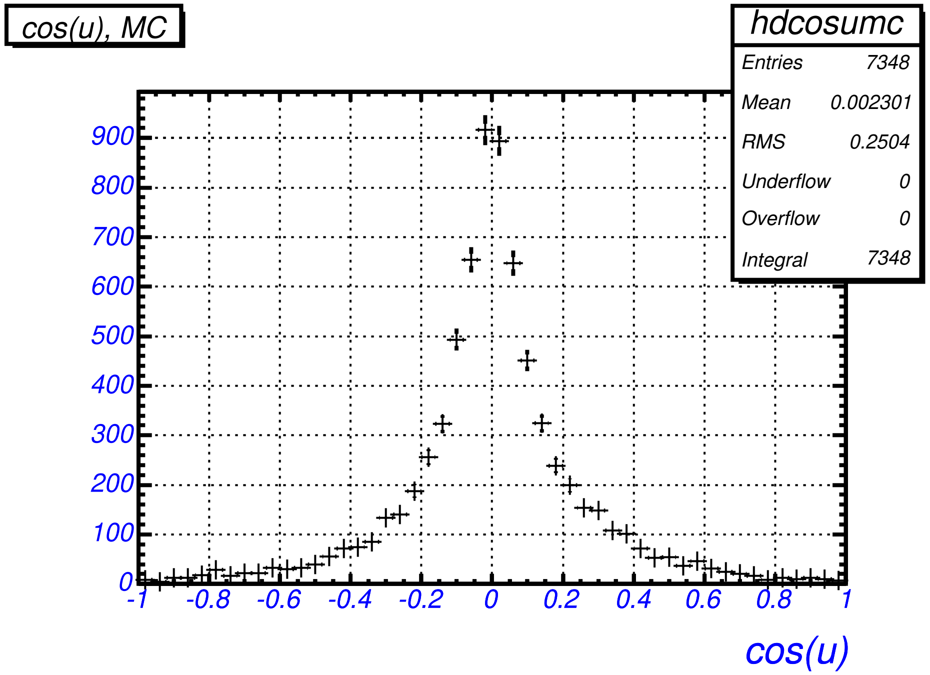

CPU time, fit
hcpu
Entries 7814
Mean 5.133
RMS 4.657
Underflow 0
Overflow 967
Integral 6847
0
100
200
300
400
500
600
0 2 4 6 8 10 12 14 16 18 20
cpu

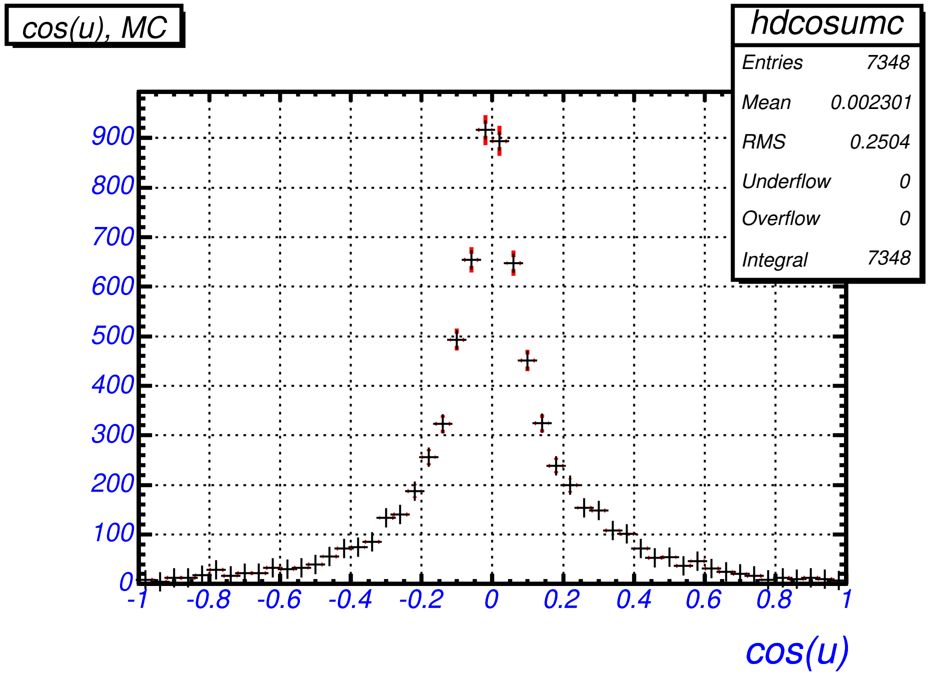

CPU time, fit
hcpu
Entries 7814
Mean 2.074
RMS 3.804
Underflow 0
Overflow 429
Integral 7385
0
500
1000
1500
2000
2500
3000
3500
4000
0 2 4 6 8 10 12 14 16 18 20
cpu

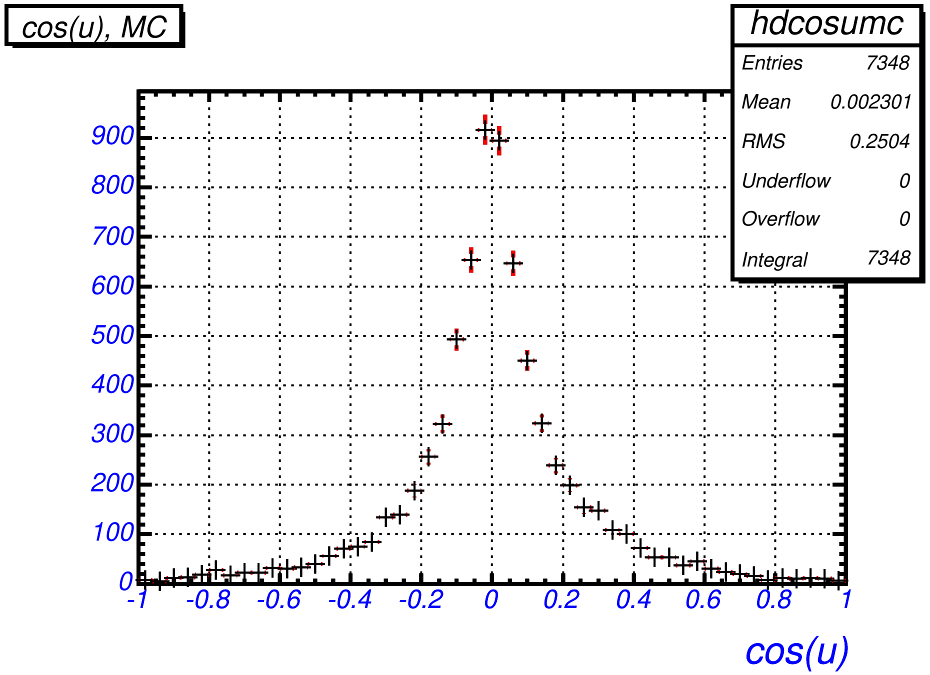

CPU time, fit
hcpu
Entries 7814
Mean 2.074
RMS 3.804
Underflow 0
Overflow 429
Integral 7385
0
100
200
300
400
500
600
0 2 4 6 8 10 12 14 16 18 20
cpu

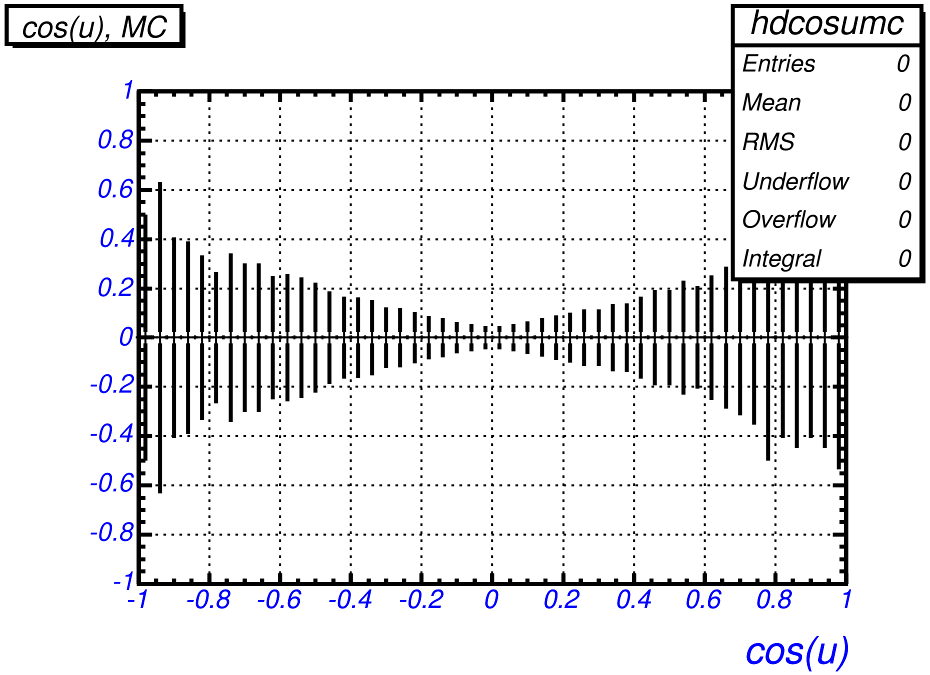

CPU time, fit
hcpu
Entries 0
Mean 1.79
RMS 4.294
Underflow 0
Overflow 0.5564
Integral -120.2
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
0 2 4 6 8 10 12 14 16 18 20
cpu

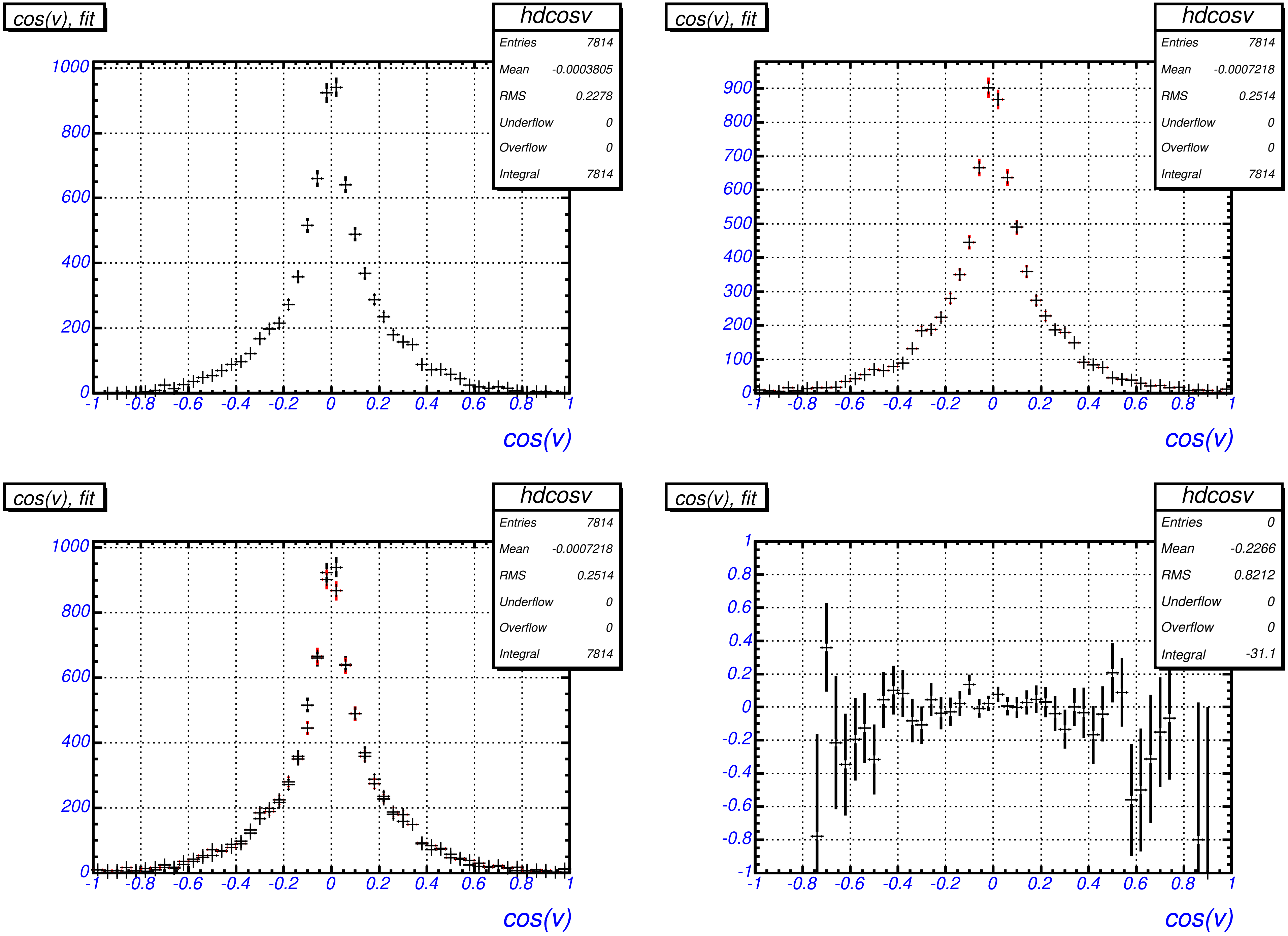

cos(u), fit
hdcosu
Entries 7814
Mean -0.001108
RMS 0.2258
Underflow 0
Overflow 0
Integral 7814
cos(u)
cos(u), fit
hdcosu
Entries 7814
Mean 1.927e-05
RMS 0.2478
Underflow 0
Overflow 0
Integral 7814
cos(u)
cos(u), fit
hdcosu
Entries 7814
Mean 1.927e-05
RMS 0.2478
Underflow 0
Overflow 0
Integral 7814
cos(u)
cos(u), fit
hdcosu
Entries 0
Mean -0.07676
RMS 0.9039
Underflow 0
Overflow 0
Integral -43.44
cos(u)


cos(u), MC
hdcosumc
Entries 7348
Mean 0.002301
RMS 0.2504
Underflow 0
Overflow 0
Integral 7348
cos(u)

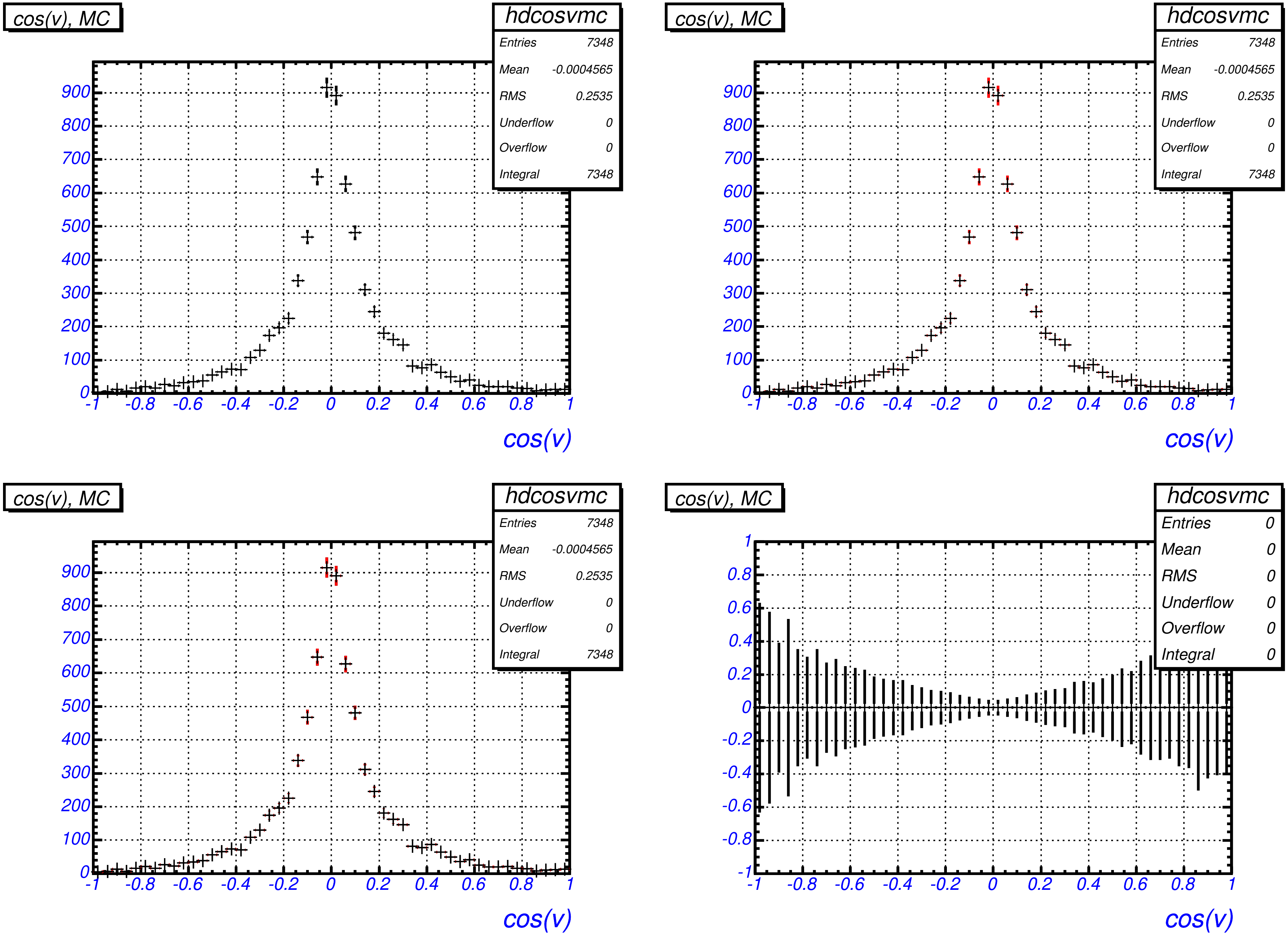

cos(u), MC
hdcosumc
Entries 7348
Mean 0.002301
RMS 0.2504
Underflow 0
Overflow 0
Integral 7348
cos(u)

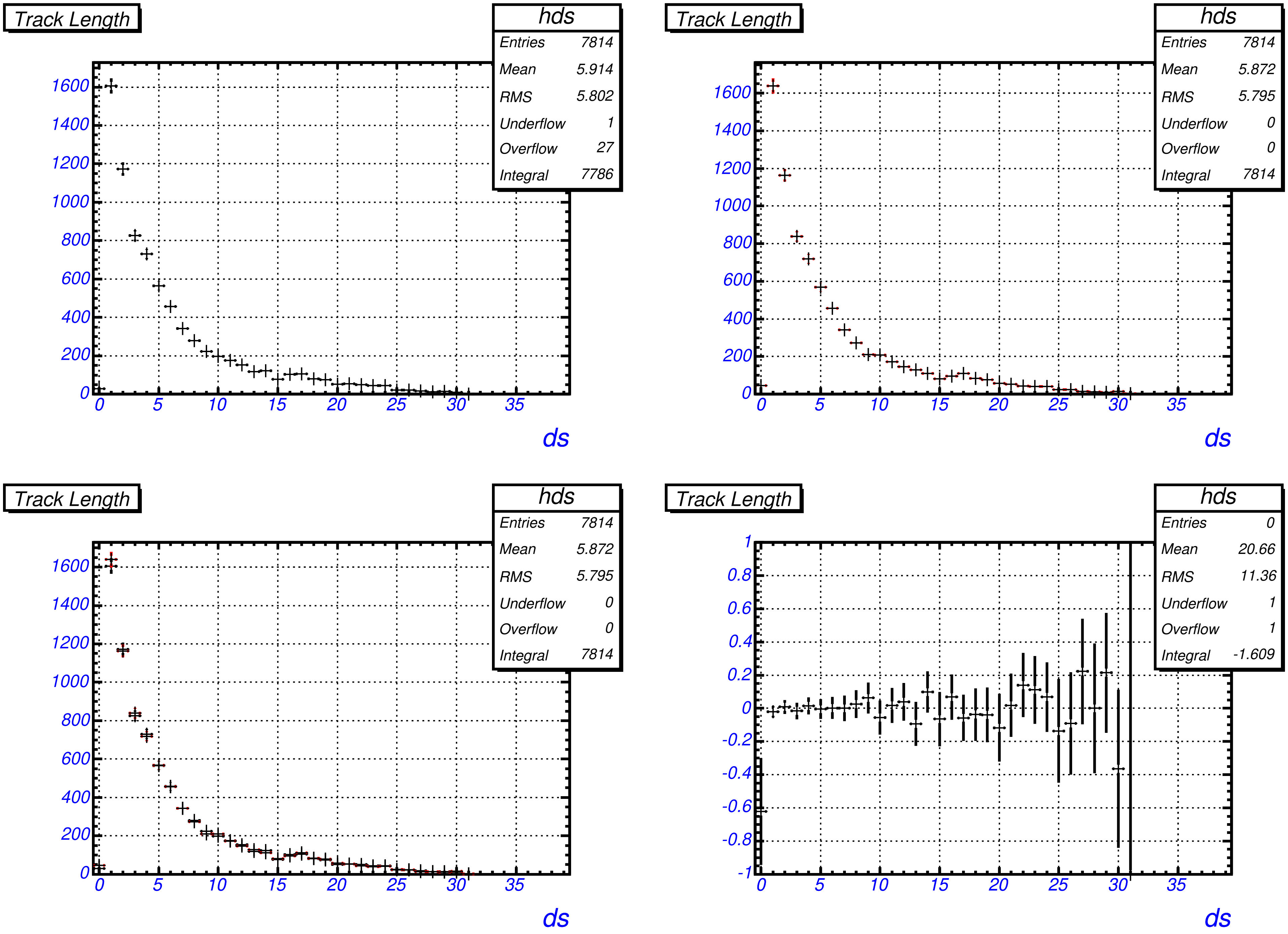

cos(u), MC
hdcosumc
Entries 7348
Mean 0.002301
RMS 0.2504
Underflow 0
Overflow 0
Integral 7348
cos(u)

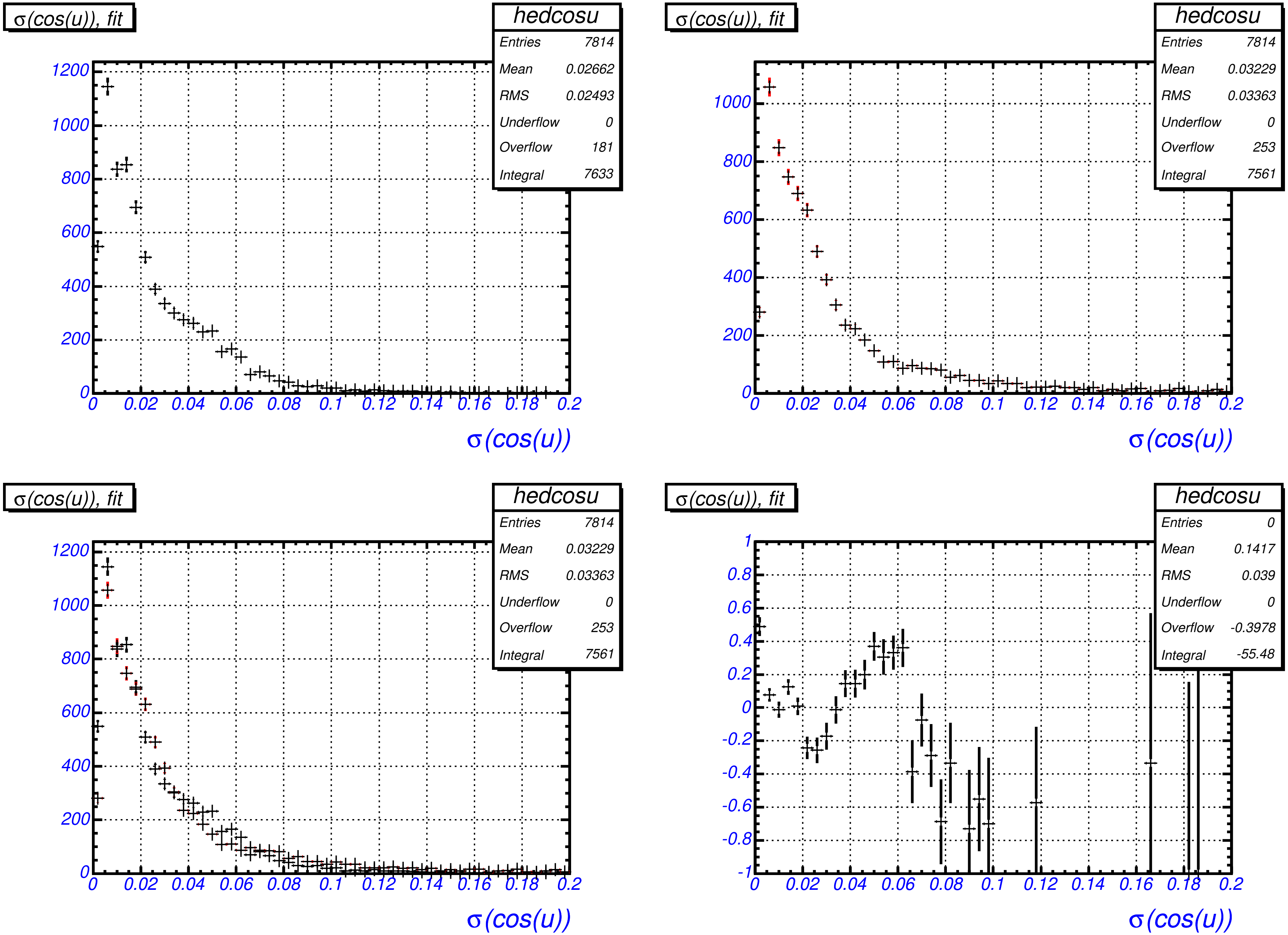

cos(u), MC
hdcosumc
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
cos(u)



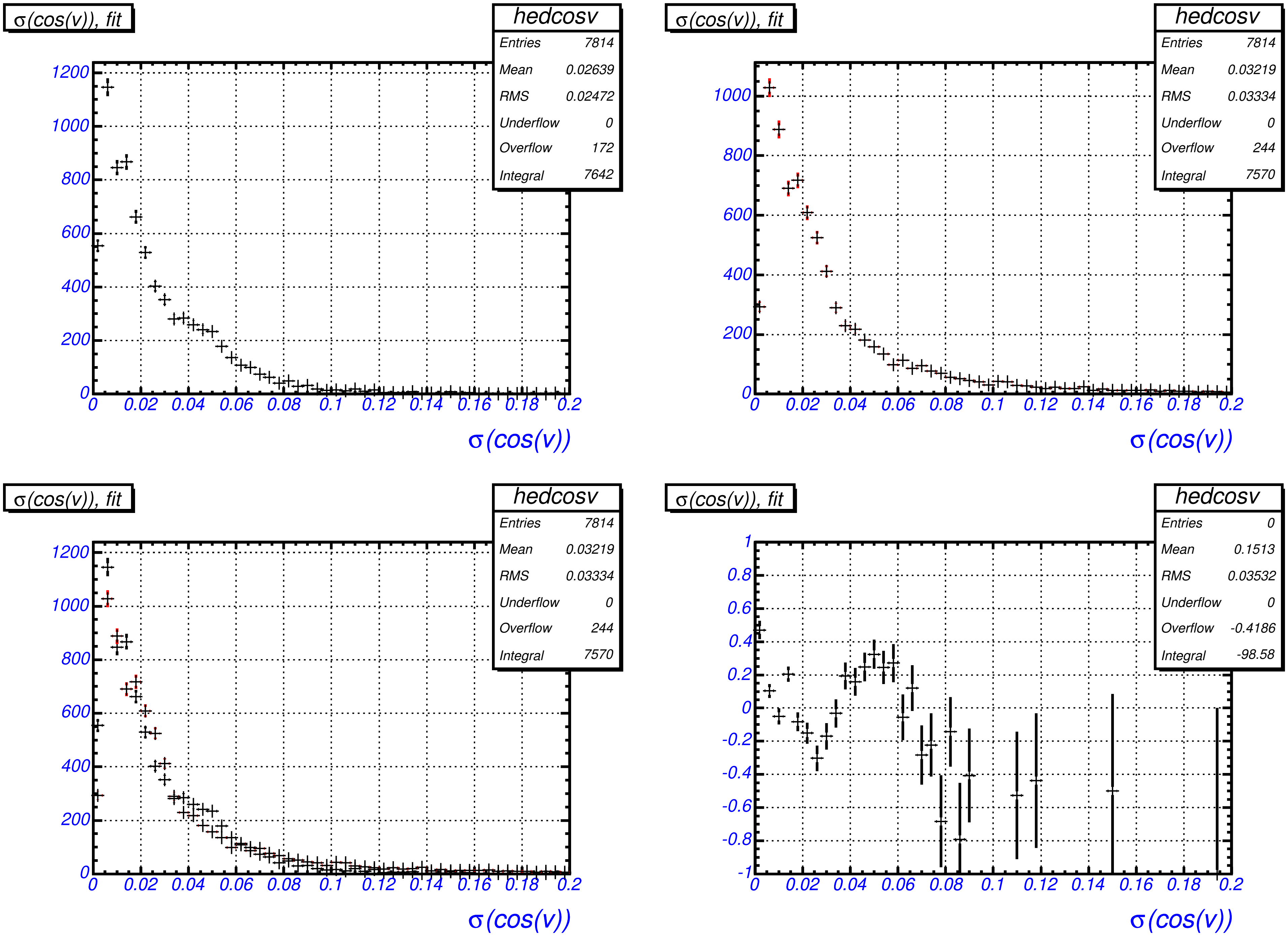
cos(v), fit
hdcosv
Entries 7814
Mean -0.0003805
RMS 0.2278
Underflow 0
Overflow 0
Integral 7814
cos(v)
cos(v), fit
hdcosv
Entries 7814
Mean -0.0007218
RMS 0.2514
Underflow 0
Overflow 0
Integral 7814
cos(v)
cos(v), fit
hdcosv
Entries 7814
Mean -0.0007218
RMS 0.2514
Underflow 0
Overflow 0
Integral 7814
cos(v)
cos(v), fit
hdcosv
Entries 0
Mean -0.2266
RMS 0.8212
Underflow 0
Overflow 0
Integral -31.1
cos(v)

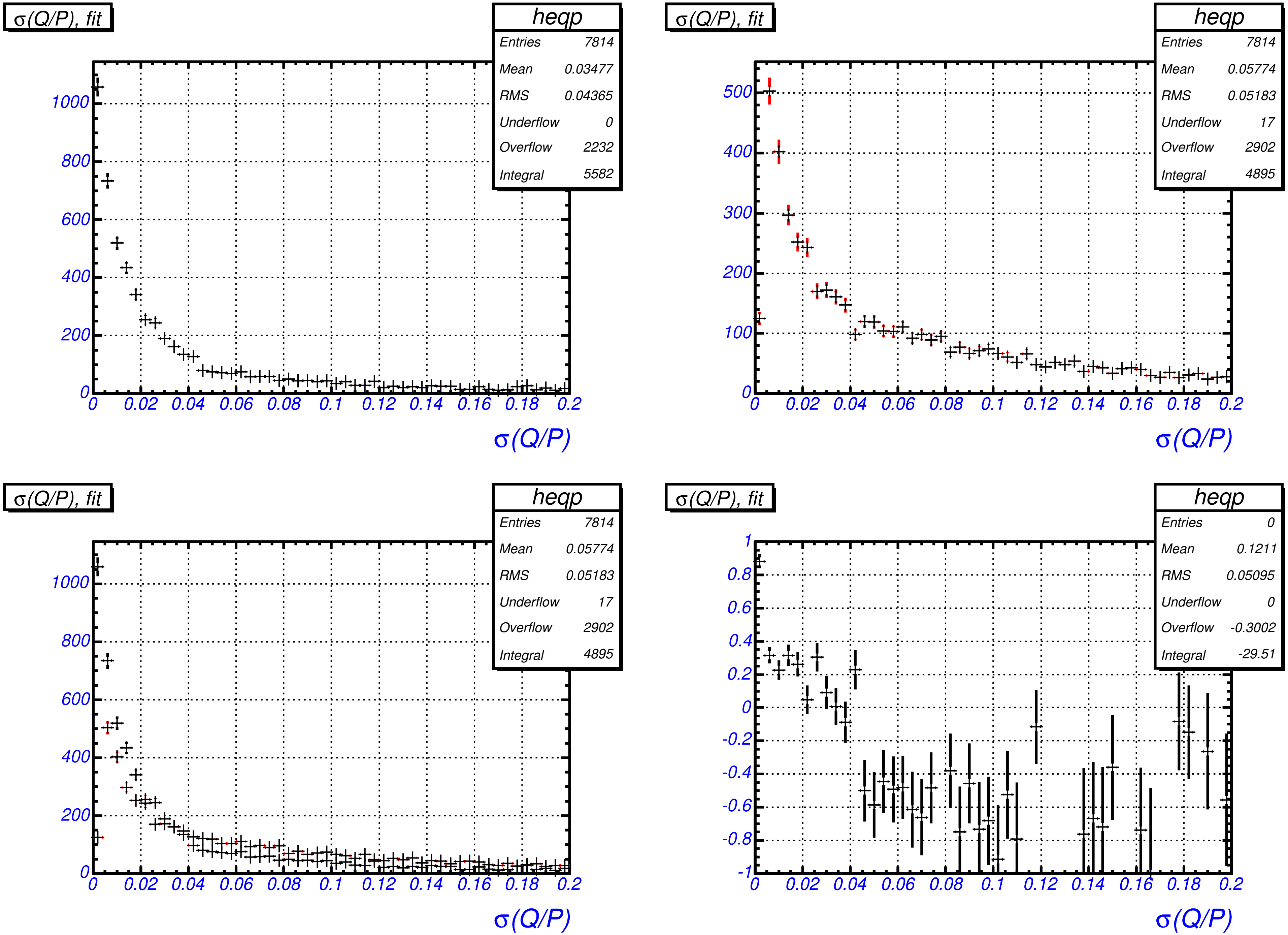

cos(v), MC
hdcosvmc
Entries 7348
Mean -0.0004565
RMS 0.2535
Underflow 0
Overflow 0
Integral 7348
cos(v)
cos(v), MC
hdcosvmc
Entries 7348
Mean -0.0004565
RMS 0.2535
Underflow 0
Overflow 0
Integral 7348
cos(v)
cos(v), MC
hdcosvmc
Entries 7348
Mean -0.0004565
RMS 0.2535
Underflow 0
Overflow 0
Integral 7348
cos(v)
cos(v), MC
hdcosvmc
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
cos(v)

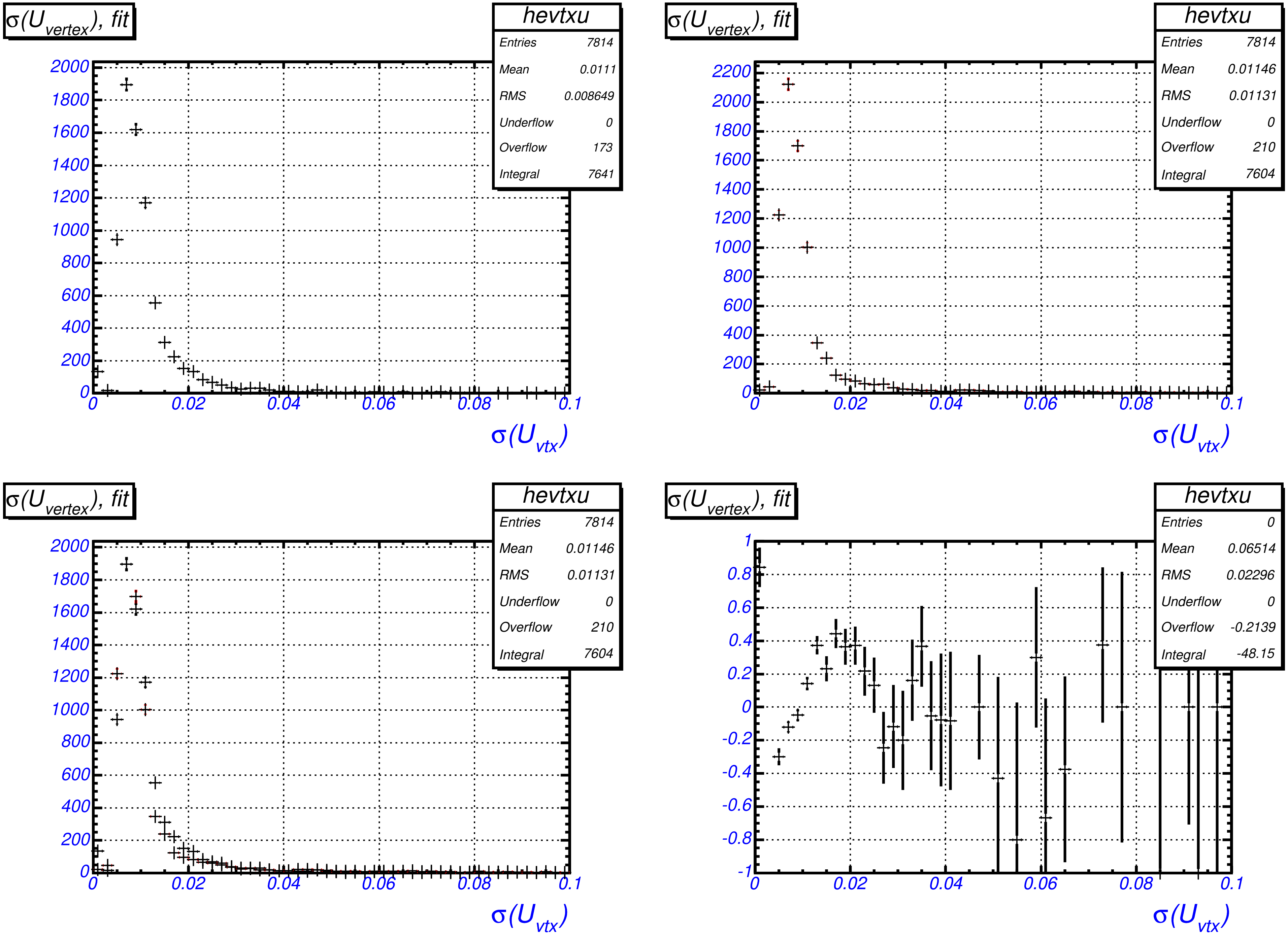

Track Length
hds
Entries 7814
Mean 5.914
RMS 5.802
Underflow 1
Overflow 27
Integral 7786
ds
Track Length
hds
Entries 7814
Mean 5.872
RMS 5.795
Underflow 0
Overflow 0
Integral 7814
ds
Track Length
hds
Entries 7814
Mean 5.872
RMS 5.795
Underflow 0
Overflow 0
Integral 7814
ds
Track Length
hds
Entries 0
Mean 20.66
RMS 11.36
Underflow 1
Overflow 1
Integral -1.609
ds



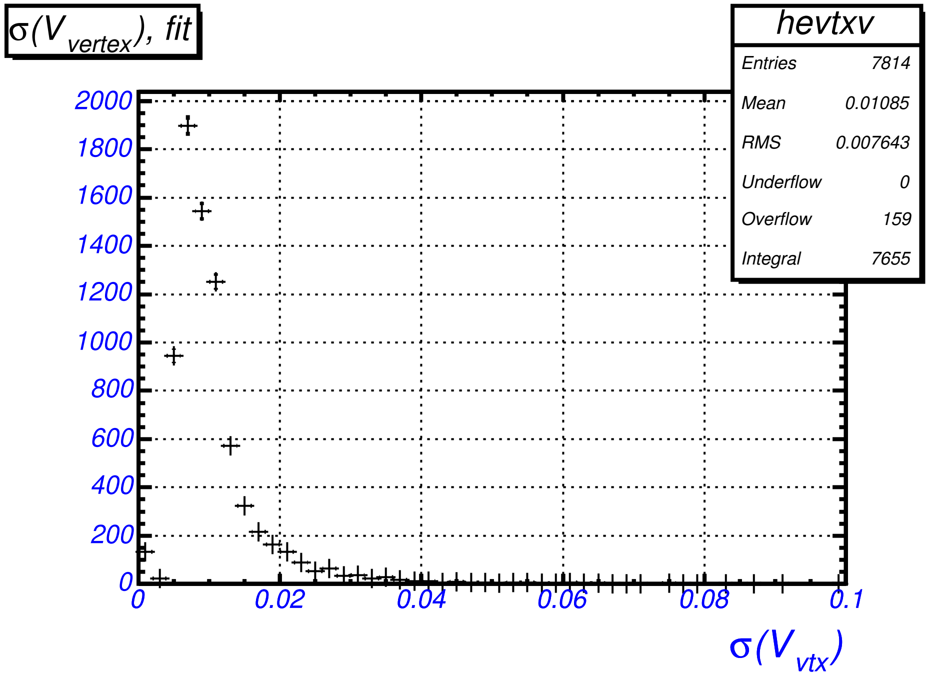
σ(cos(u)), fit
hedcosu
Entries 7814
Mean 0.02662
RMS 0.02493
Underflow 0
Overflow 181
Integral 7633
σ(cos(u))
σ(cos(u)), fit
hedcosu
Entries 7814
Mean 0.03229
RMS 0.03363
Underflow 0
Overflow 253
Integral 7561
σ(cos(u))
σ(cos(u)), fit
hedcosu
Entries 7814
Mean 0.03229
RMS 0.03363
Underflow 0
Overflow 253
Integral 7561
σ(cos(u))
σ(cos(u)), fit
hedcosu
Entries 0
Mean 0.1417
RMS 0.039
Underflow 0
Overflow -0.3978
Integral -55.48
σ(cos(u))

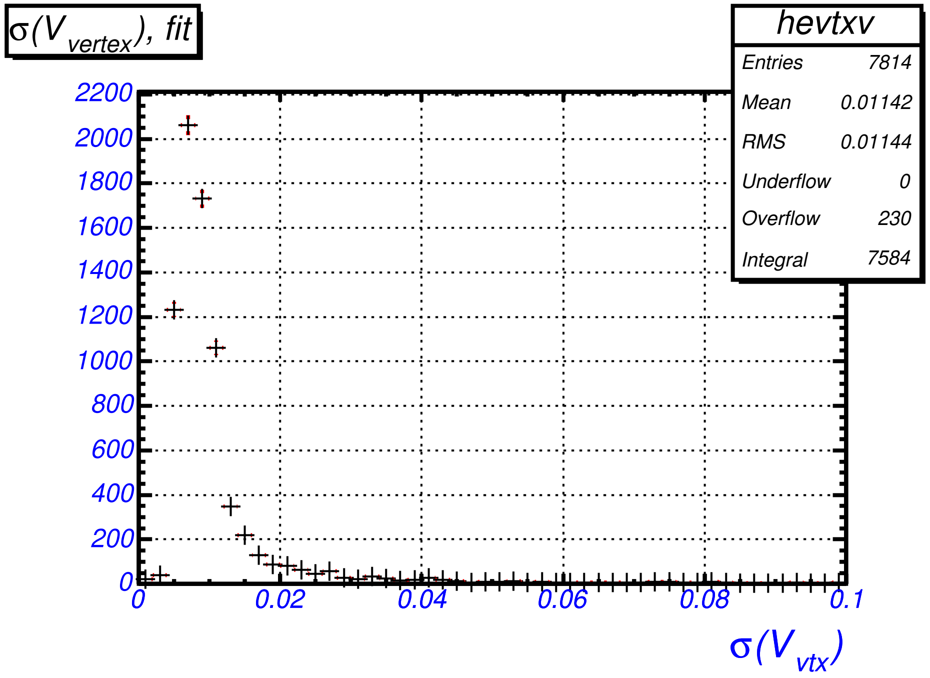

σ(cos(v)), fit
hedcosv
Entries 7814
Mean 0.02639
RMS 0.02472
Underflow 0
Overflow 172
Integral 7642
σ(cos(v))
σ(cos(v)), fit
hedcosv
Entries 7814
Mean 0.03219
RMS 0.03334
Underflow 0
Overflow 244
Integral 7570
σ(cos(v))
σ(cos(v)), fit
hedcosv
Entries 7814
Mean 0.03219
RMS 0.03334
Underflow 0
Overflow 244
Integral 7570
σ(cos(v))
σ(cos(v)), fit
hedcosv
Entries 0
Mean 0.1513
RMS 0.03532
Underflow 0
Overflow -0.4186
Integral -98.58
σ(cos(v))

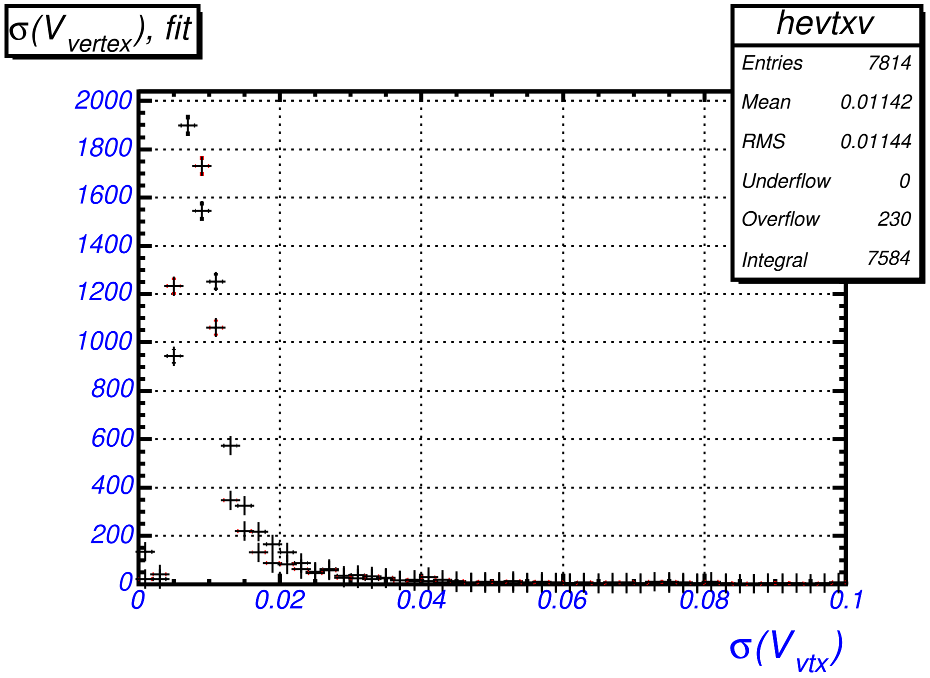

σ(Q/P), fit
heqp
Entries 7814
Mean 0.03477
RMS 0.04365
Underflow 0
Overflow 2232
Integral 5582
σ(Q/P)
σ(Q/P), fit
heqp
Entries 7814
Mean 0.05774
RMS 0.05183
Underflow 17
Overflow 2902
Integral 4895
σ(Q/P)
σ(Q/P), fit
heqp
Entries 7814
Mean 0.05774
RMS 0.05183
Underflow 17
Overflow 2902
Integral 4895
σ(Q/P)
σ(Q/P), fit
heqp
Entries 0
Mean 0.1211
RMS 0.05095
Underflow 0
Overflow -0.3002
Integral -29.51
σ(Q/P)

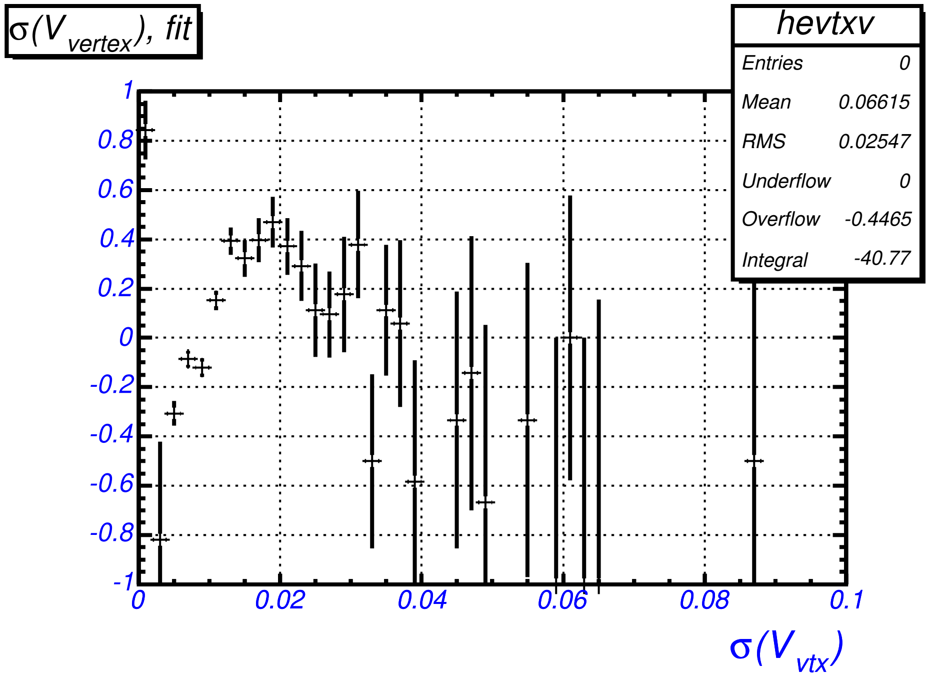


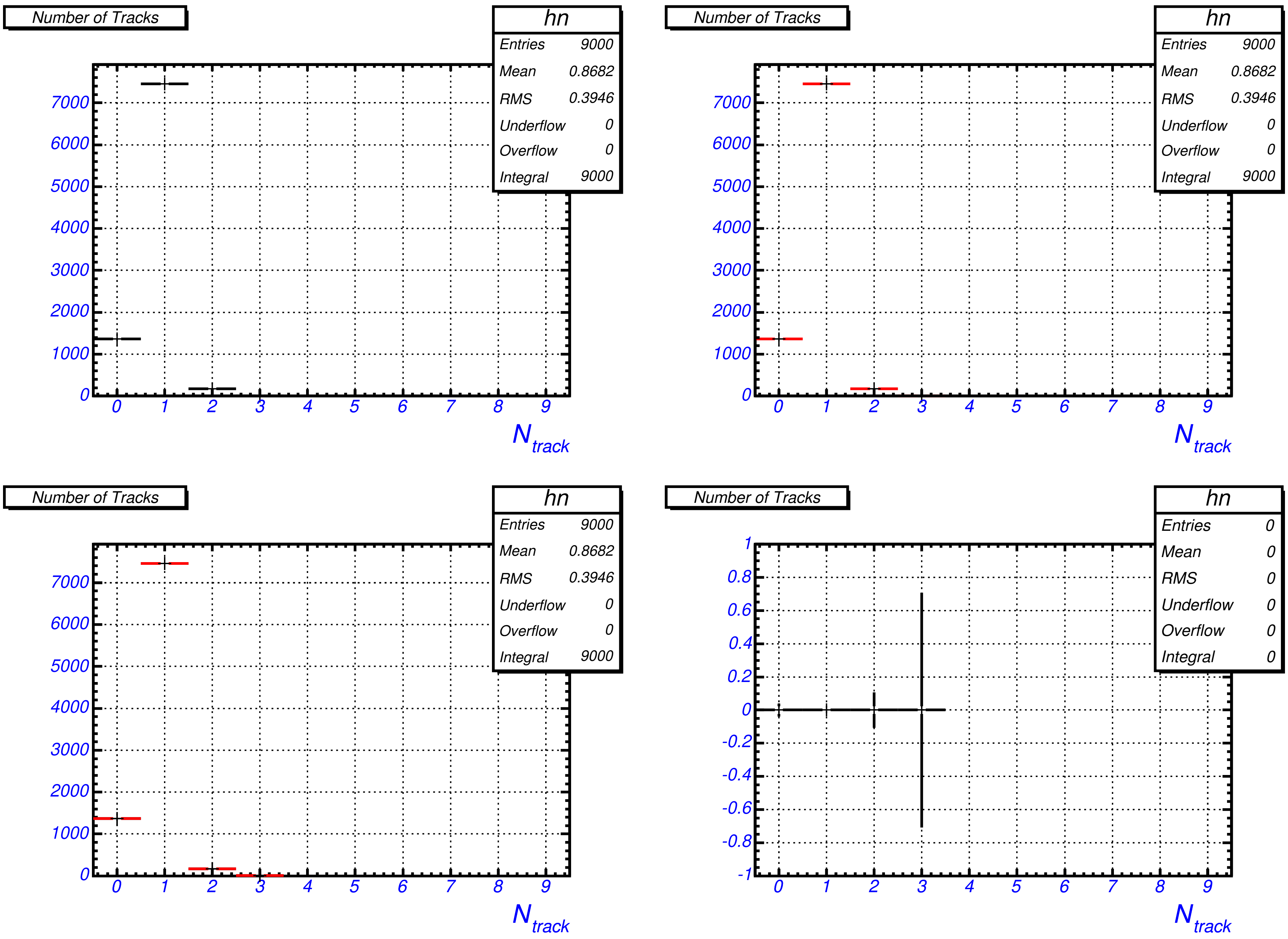
σ(U_vertex), fit
hevtxu
Entries 7814
Mean 0.0111
RMS 0.008649
Underflow 0
Overflow 173
Integral 7641
σ(U_vtx)
σ(U_vertex), fit
hevtxu
Entries 7814
Mean 0.01146
RMS 0.01131
Underflow 0
Overflow 210
Integral 7604
σ(U_vtx)
σ(U_vertex), fit
hevtxu
Entries 7814
Mean 0.01146
RMS 0.01131
Underflow 0
Overflow 210
Integral 7604
σ(U_vtx)
σ(U_vertex), fit
hevtxu
Entries 0
Mean 0.06514
RMS 0.02296
Underflow 0
Overflow -0.2139
Integral -48.15
σ(U_vtx)


σ(V_vertex), fit
hevtxv
Entries 7814
Mean 0.01085
RMS 0.007643
Underflow 0
Overflow 159
Integral 7655
σ(V_vtx)

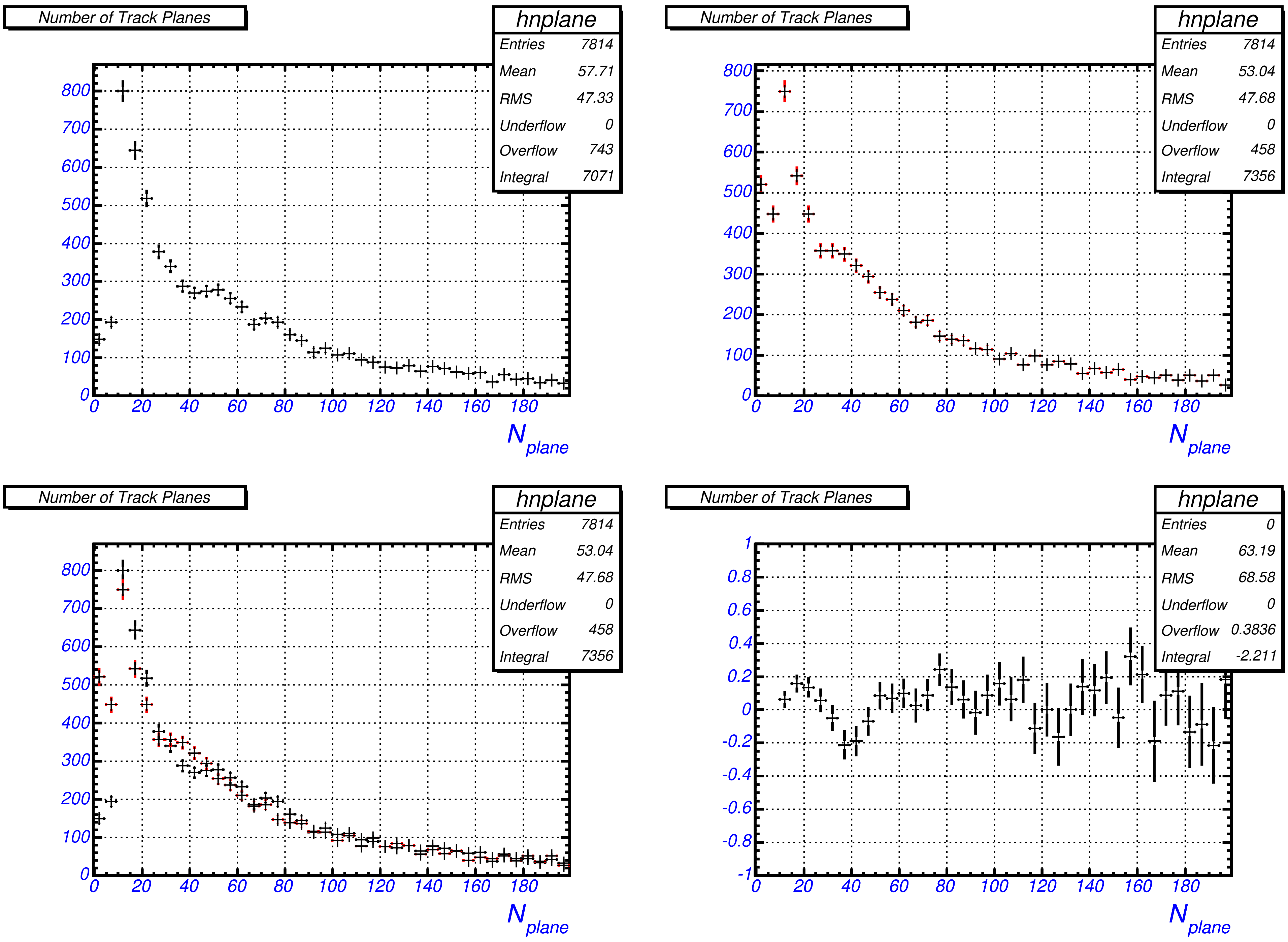

σ(V_vertex), fit
hevtxv
Entries 7814
Mean 0.01142
RMS 0.01144
Underflow 0
Overflow 230
Integral 7584
σ(V_vtx)

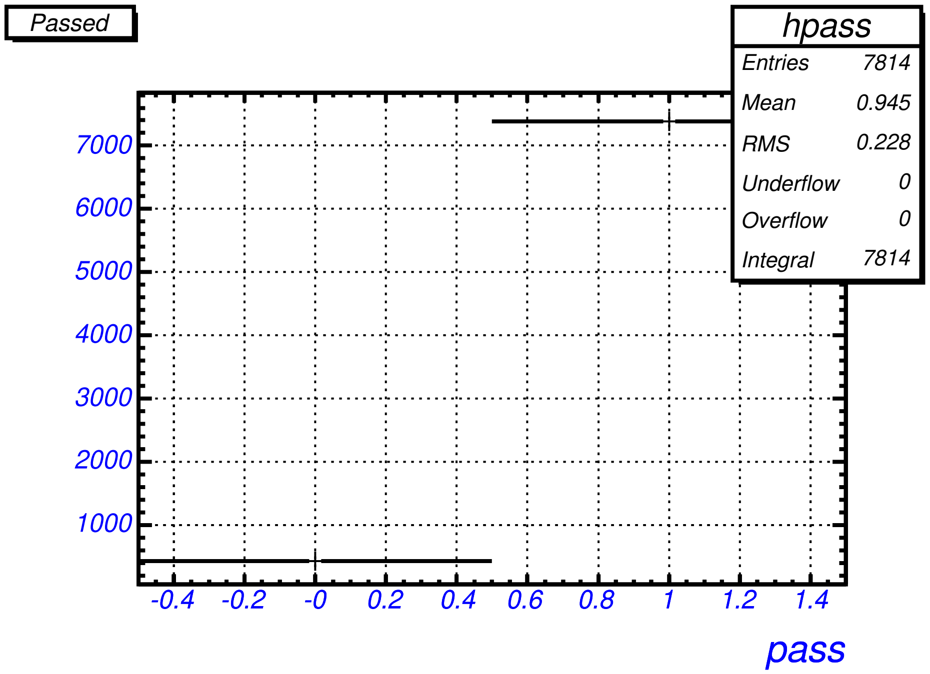

σ(V_vertex), fit
hevtxv
Entries 7814
Mean 0.01142
RMS 0.01144
Underflow 0
Overflow 230
Integral 7584
σ(V_vtx)

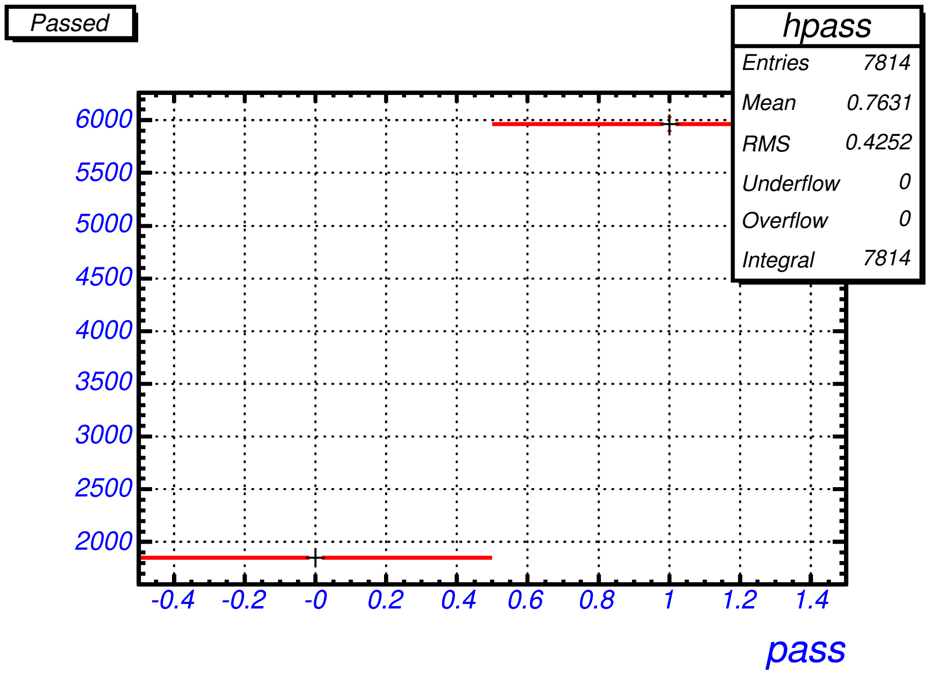

σ(V_vertex), fit
hevtxv
Entries 0
Mean 0.06615
RMS 0.02547
Underflow 0
Overflow -0.4465
Integral -40.77
σ(V_vtx)

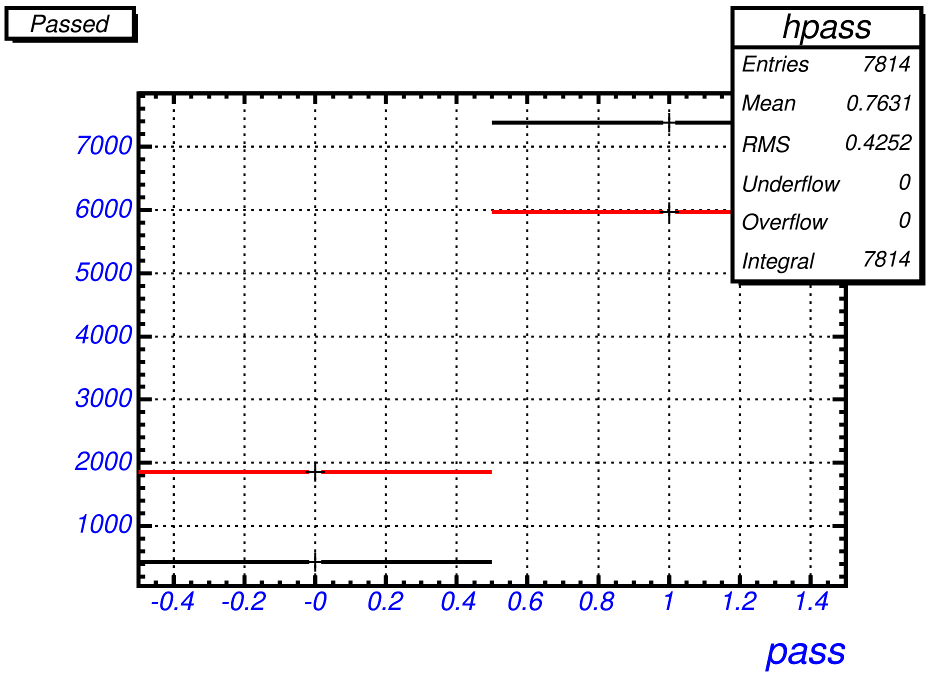


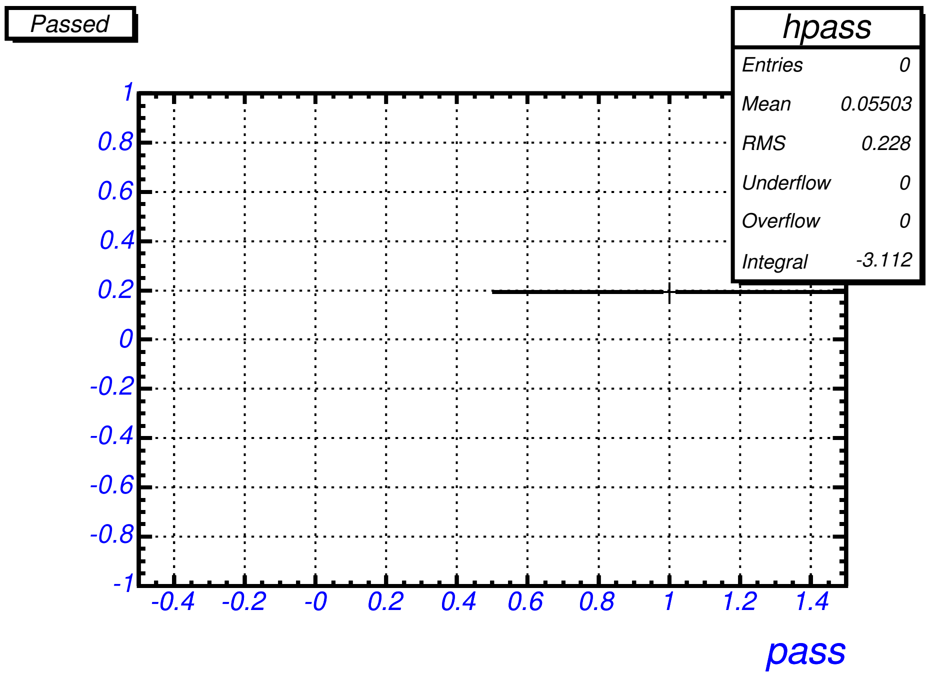
Number of Tracks
hn
Entries 9000
Mean 0.8682
RMS 0.3946
Underflow 0
Overflow 0
Integral 9000
N track
Number of Tracks
hn
Entries 9000
Mean 0.8682
RMS 0.3946
Underflow 0
Overflow 0
Integral 9000
N track
Number of Tracks
hn
Entries 9000
Mean 0.8682
RMS 0.3946
Underflow 0
Overflow 0
Integral 9000
N track
Number of Tracks
hn
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
N track

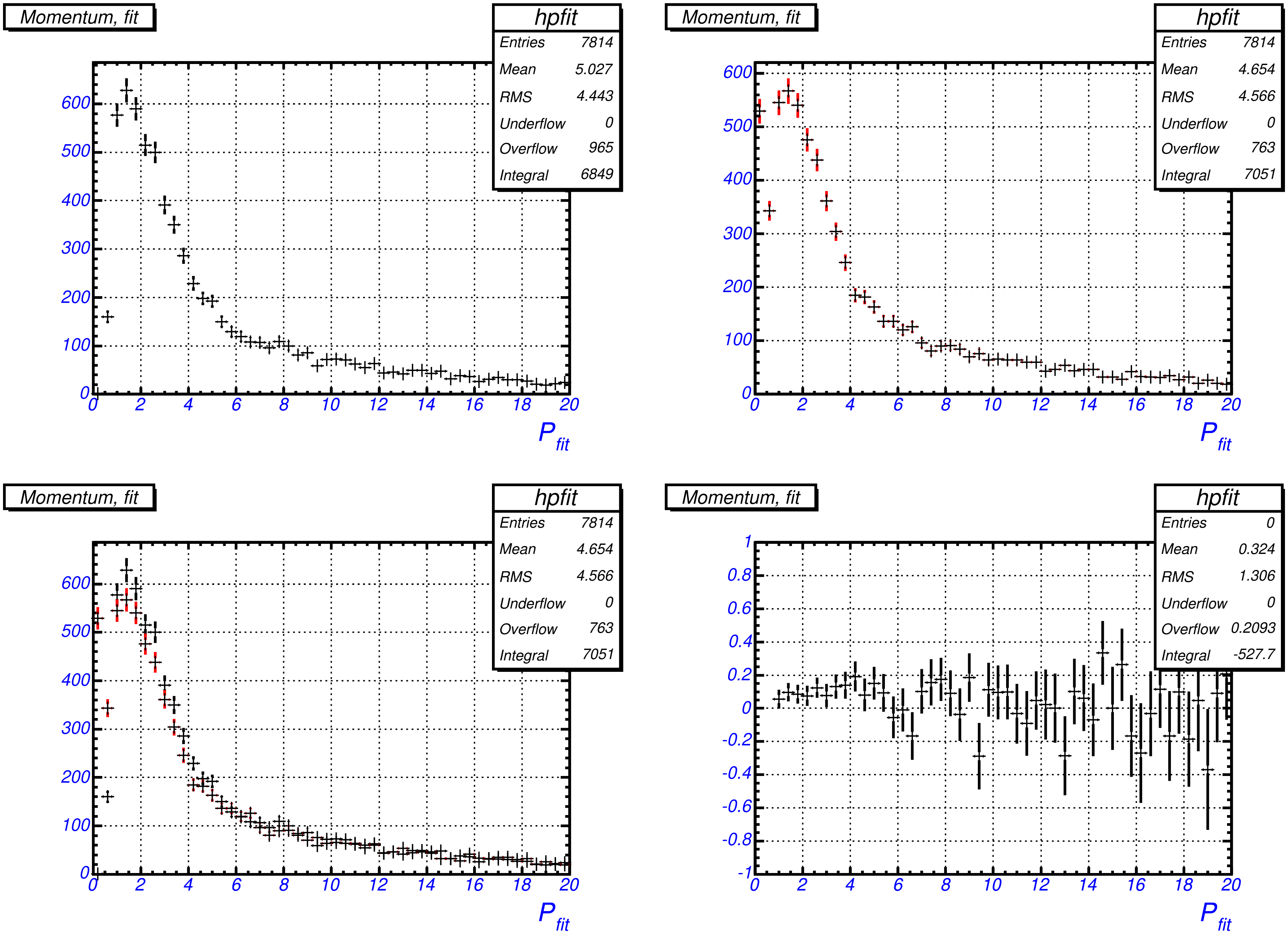

Number of Track Planes
hnplane
Entries 7814
Mean 57.71
RMS 47.33
Underflow 0
Overflow 743
Integral 7071
N_plane
Number of Track Planes
hnplane
Entries 7814
Mean 53.04
RMS 47.68
Underflow 0
Overflow 458
Integral 7356
N_plane
Number of Track Planes
hnplane
Entries 7814
Mean 53.04
RMS 47.68
Underflow 0
Overflow 458
Integral 7356
N_plane
Number of Track Planes
hnplane
Entries 0
Mean 63.19
RMS 68.58
Underflow 0
Overflow 0.3836
Integral -2.211
N_plane

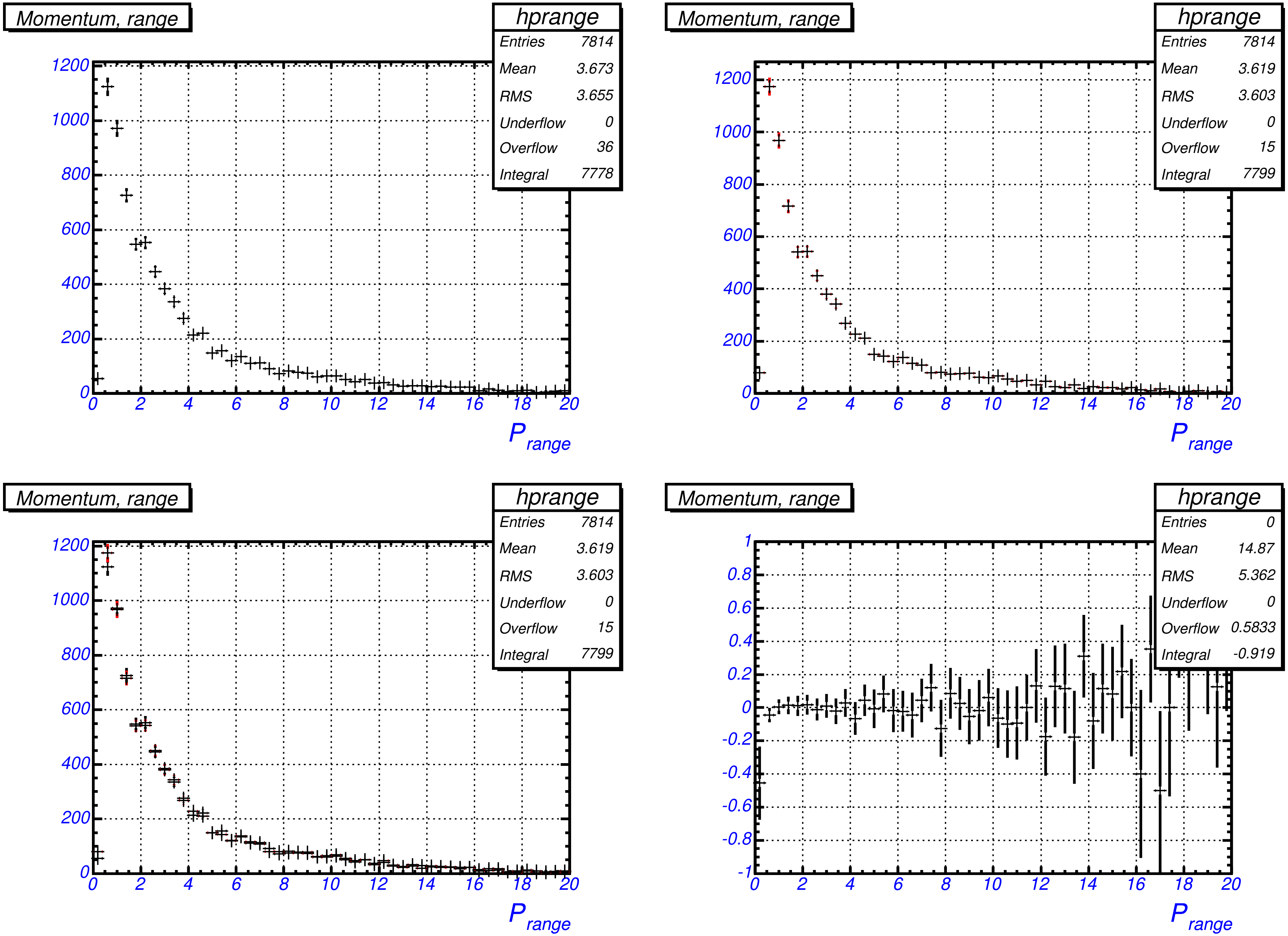

Passed
hpass
Entries 7814
Mean 0.945
RMS 0.228
Underflow 0
Overflow 0
Integral 7814
pass

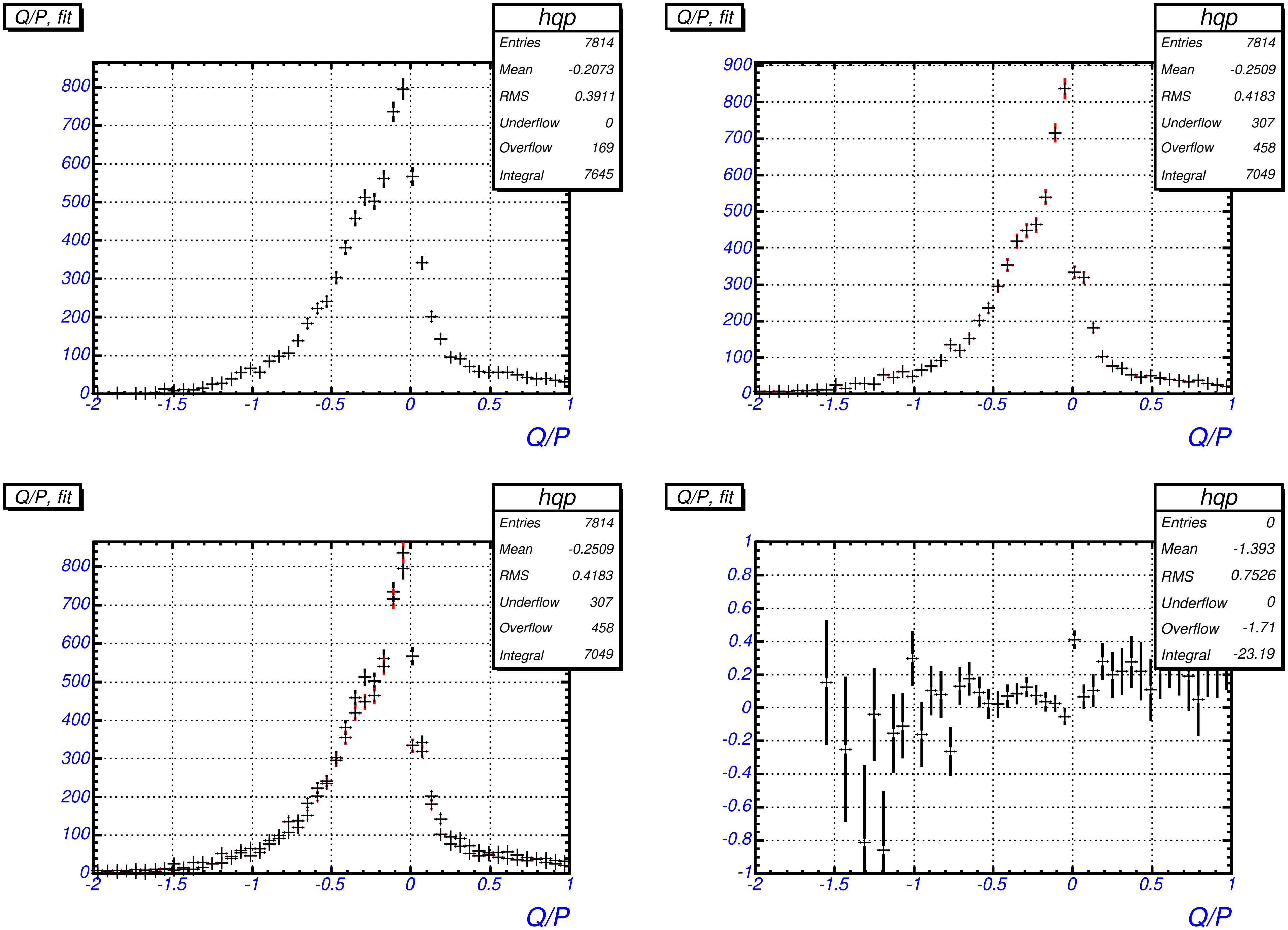

Passed
hpass
Entries 7814
Mean 0.7631
RMS 0.4252
Underflow 0
Overflow 0
Integral 7814
pass


Passed
hpass
Entries 7814
Mean 0.7631
RMS 0.4252
Underflow 0
Overflow 0
Integral 7814
pass

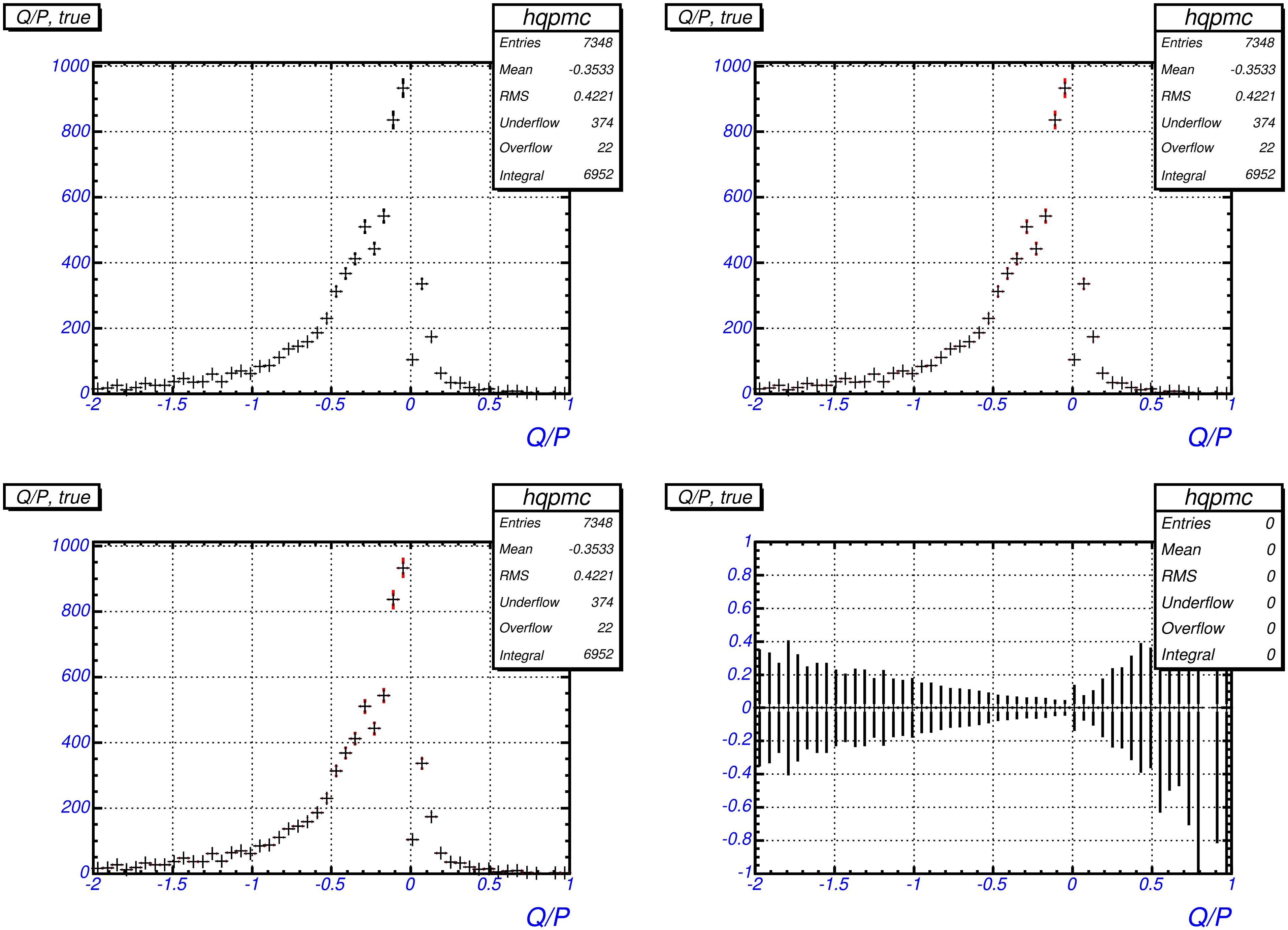

Passed
hpass
Entries 0
Mean 0.05503
RMS 0.228
Underflow 0
Overflow 0
Integral -3.112
pass

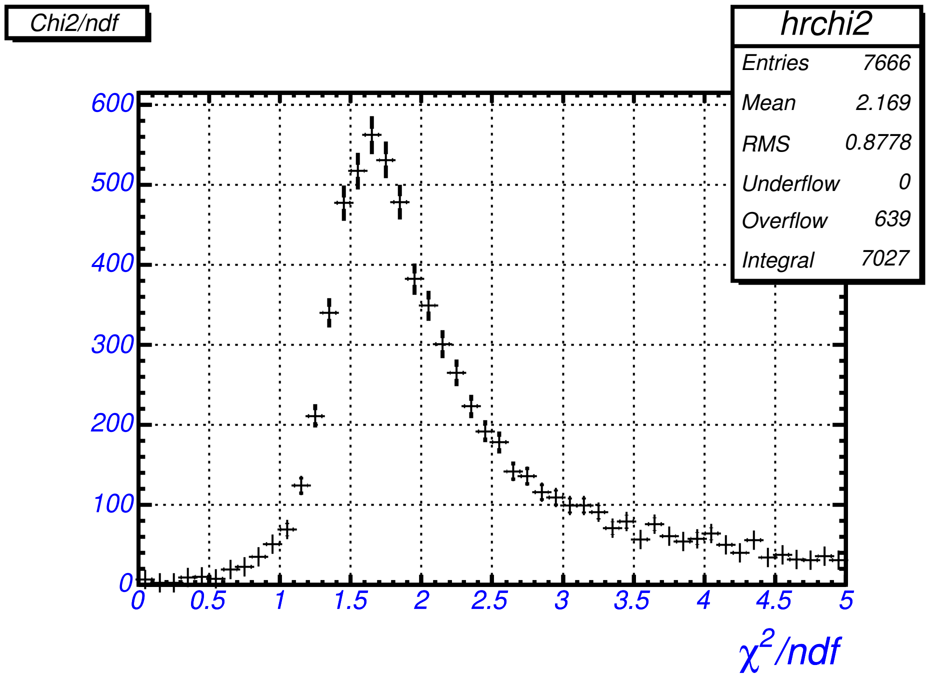

Momentum, fit
hpfit
Entries 7814
Mean 5.027
RMS 4.443
Underflow 0
Overflow 965
Integral 6849
P_{fit}
Momentum, fit
hpfit
Entries 7814
Mean 4.654
RMS 4.566
Underflow 0
Overflow 763
Integral 7051
P_{fit}
Momentum, fit
hpfit
Entries 7814
Mean 4.654
RMS 4.566
Underflow 0
Overflow 763
Integral 7051
P_{fit}
Momentum, fit
hpfit
Entries 0
Mean 0.324
RMS 1.306
Underflow 0
Overflow 0.2093
Integral -527.7
P_{fit}

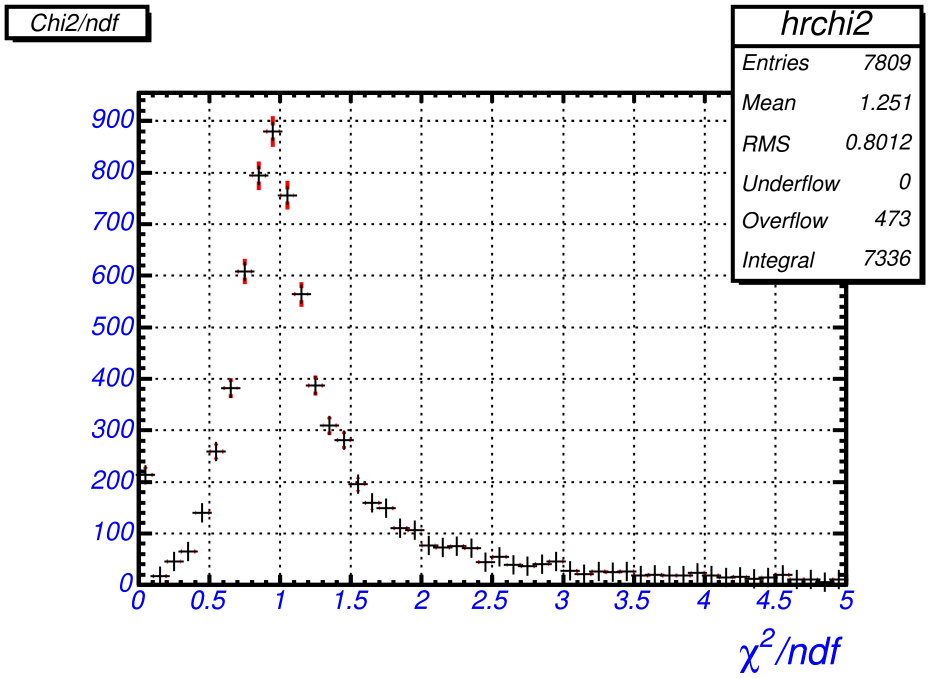

Momentum, range
hprange
Entries 7814
Mean 3.673
RMS 3.655
Underflow 0
Overflow 36
Integral 7778
P_{range}
Momentum, range
hprange
Entries 7814
Mean 3.619
RMS 3.603
Underflow 0
Overflow 15
Integral 7799
P_{range}
Momentum, range
hprange
Entries 7814
Mean 3.619
RMS 3.603
Underflow 0
Overflow 15
Integral 7799
P_{range}
Momentum, range
hprange
Entries 0
Mean 14.87
RMS 5.362
Underflow 0
Overflow 0.5833
Integral -0.919
P_{range}

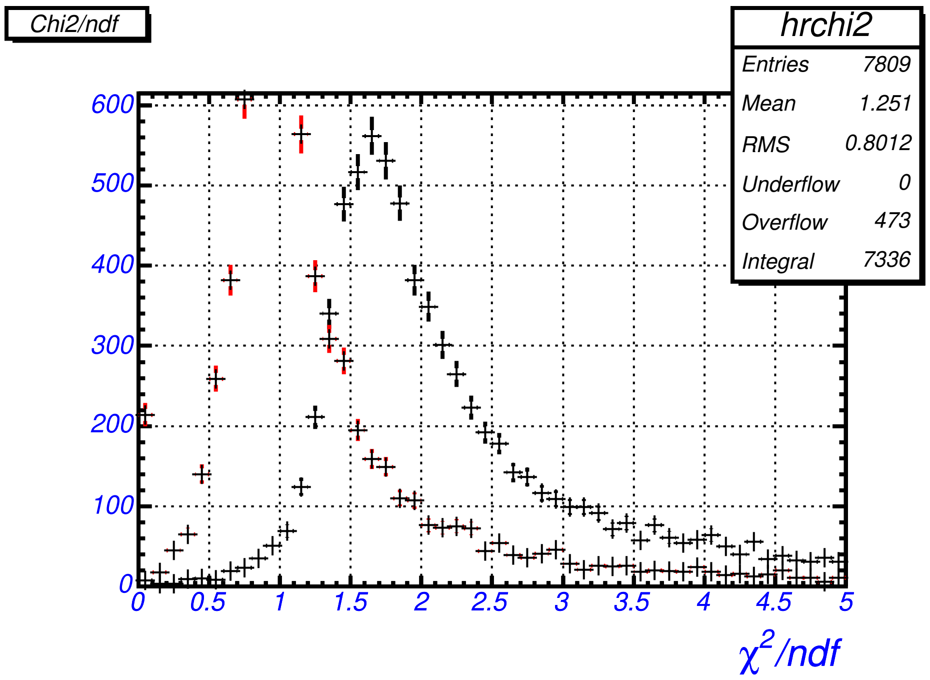


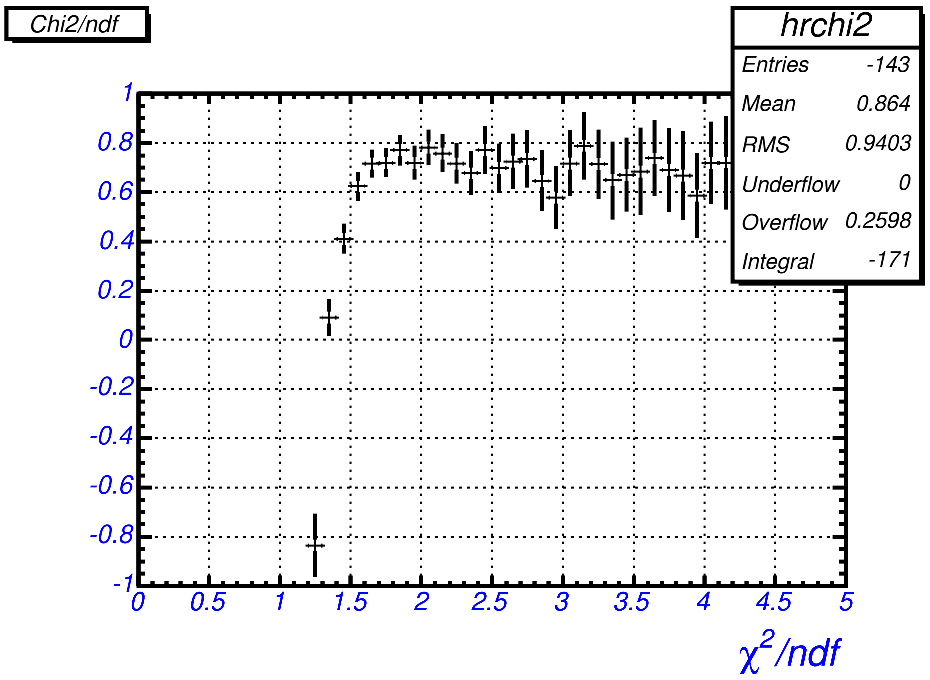
Q/P, fit
hqp
Entries 7814
Mean -0.2073
RMS 0.3911
Underflow 0
Overflow 169
Integral 7645
Q/P
Q/P, fit
hqp
Entries 7814
Mean -0.2509
RMS 0.4183
Underflow 307
Overflow 458
Integral 7049
Q/P
Q/P, fit
hqp
Entries 7814
Mean -0.2509
RMS 0.4183
Underflow 307
Overflow 458
Integral 7049
Q/P
Q/P, fit
hqp
Entries 0
Mean -1.393
RMS 0.7526
Underflow 0
Overflow -1.71
Integral -23.19
Q/P

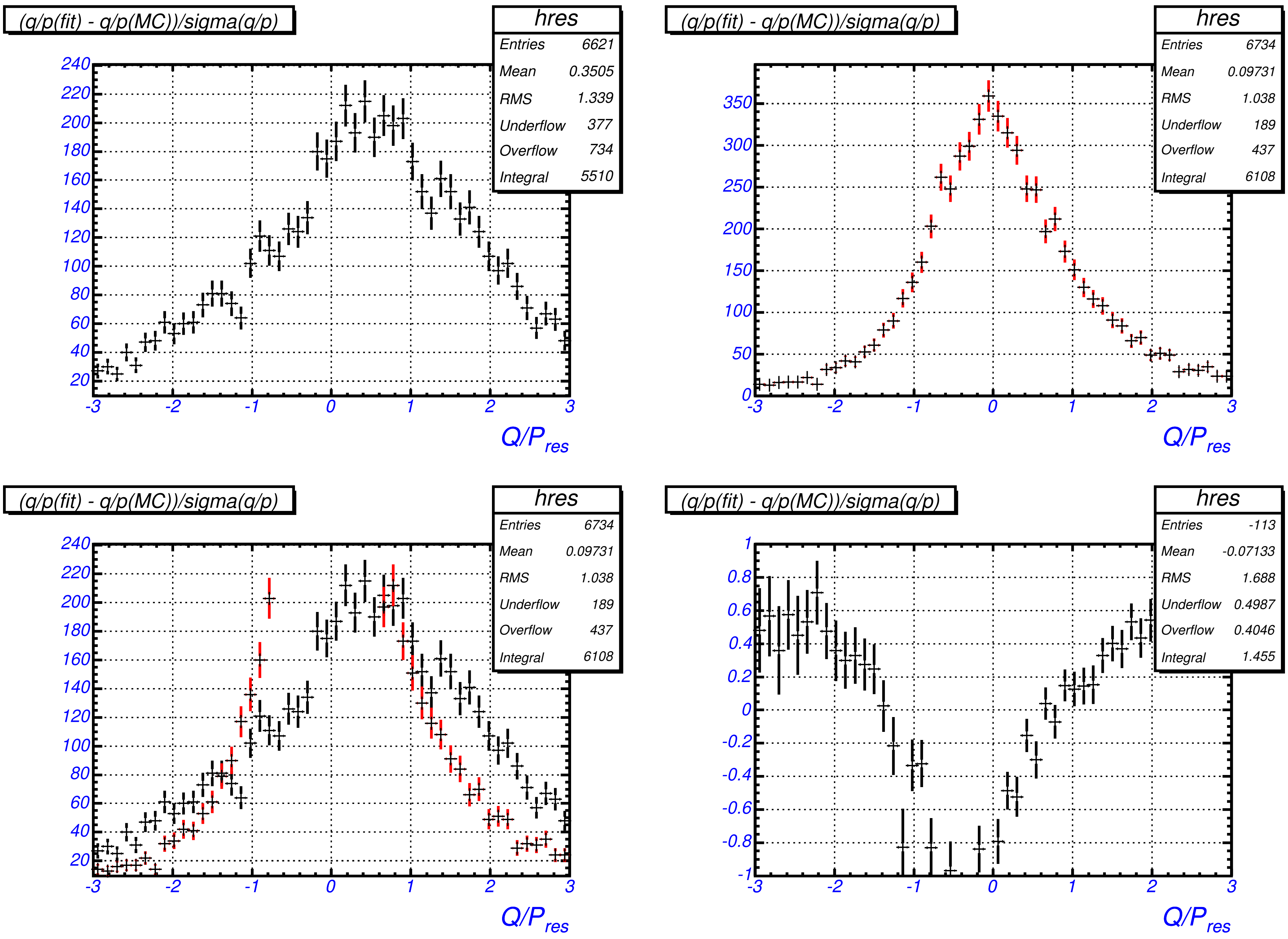

Q/P, true
hqpmc
Entries 7348
Mean -0.3533
RMS 0.4221
Underflow 374
Overflow 22
Integral 6952
Q/P
Q/P, true
hqpmc
Entries 7348
Mean -0.3533
RMS 0.4221
Underflow 374
Overflow 22
Integral 6952
Q/P
Q/P, true
hqpmc
Entries 7348
Mean -0.3533
RMS 0.4221
Underflow 374
Overflow 22
Integral 6952
Q/P
Q/P, true
hqpmc
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
Q/P


Chi2/ndf
hrchi2
Entries 7666
Mean 2.169
RMS 0.8778
Underflow 0
Overflow 639
Integral 7027
600
500
400
300
200
100
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5
χ2/ndf

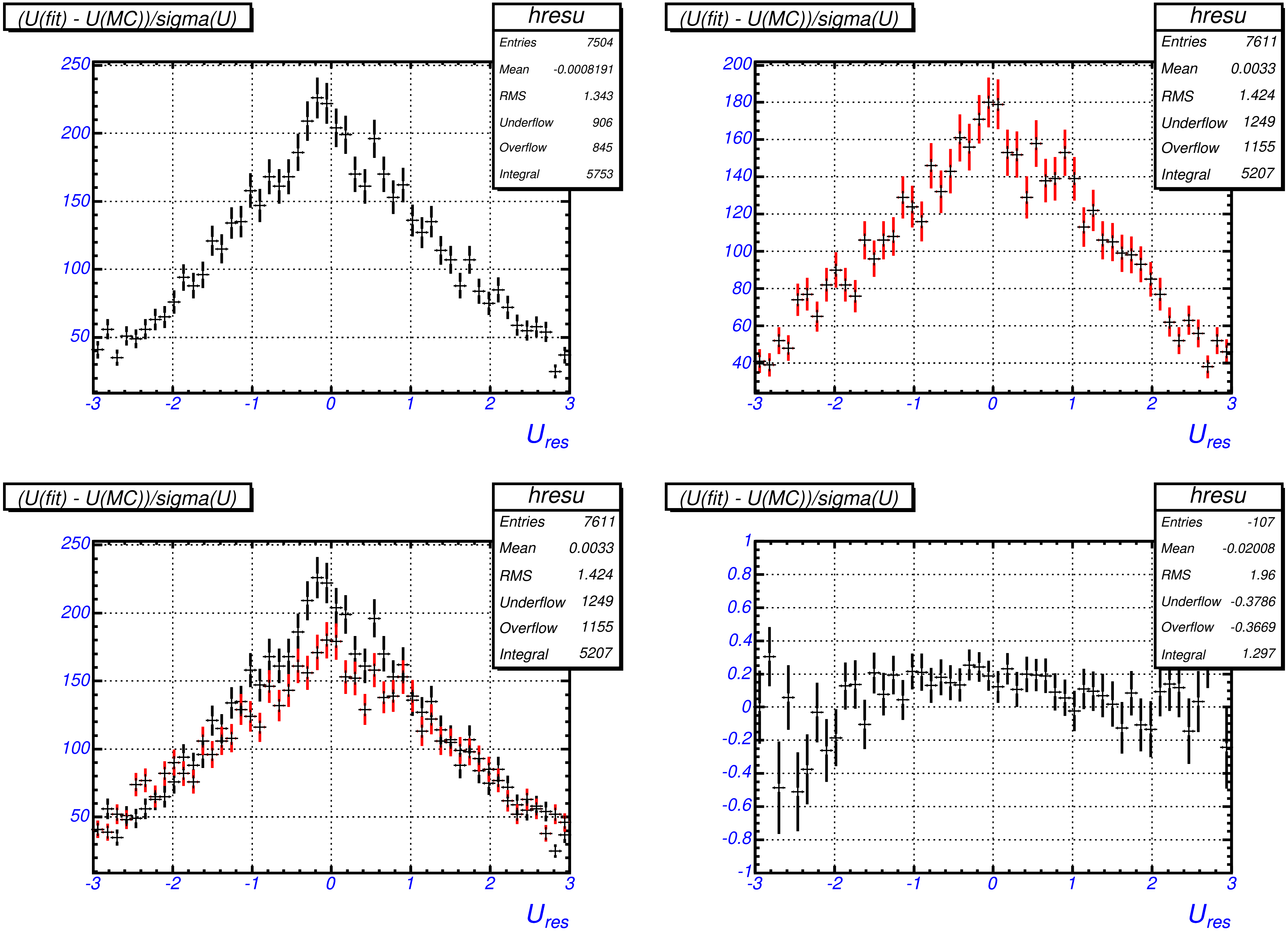

Chi2/ndf
hrchi2
Entries 7809
Mean 1.251
RMS 0.8012
Underflow 0
Overflow 473
Integral 7336
900
800
700
600
500
400
300
200
100
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5
χ2/ndf

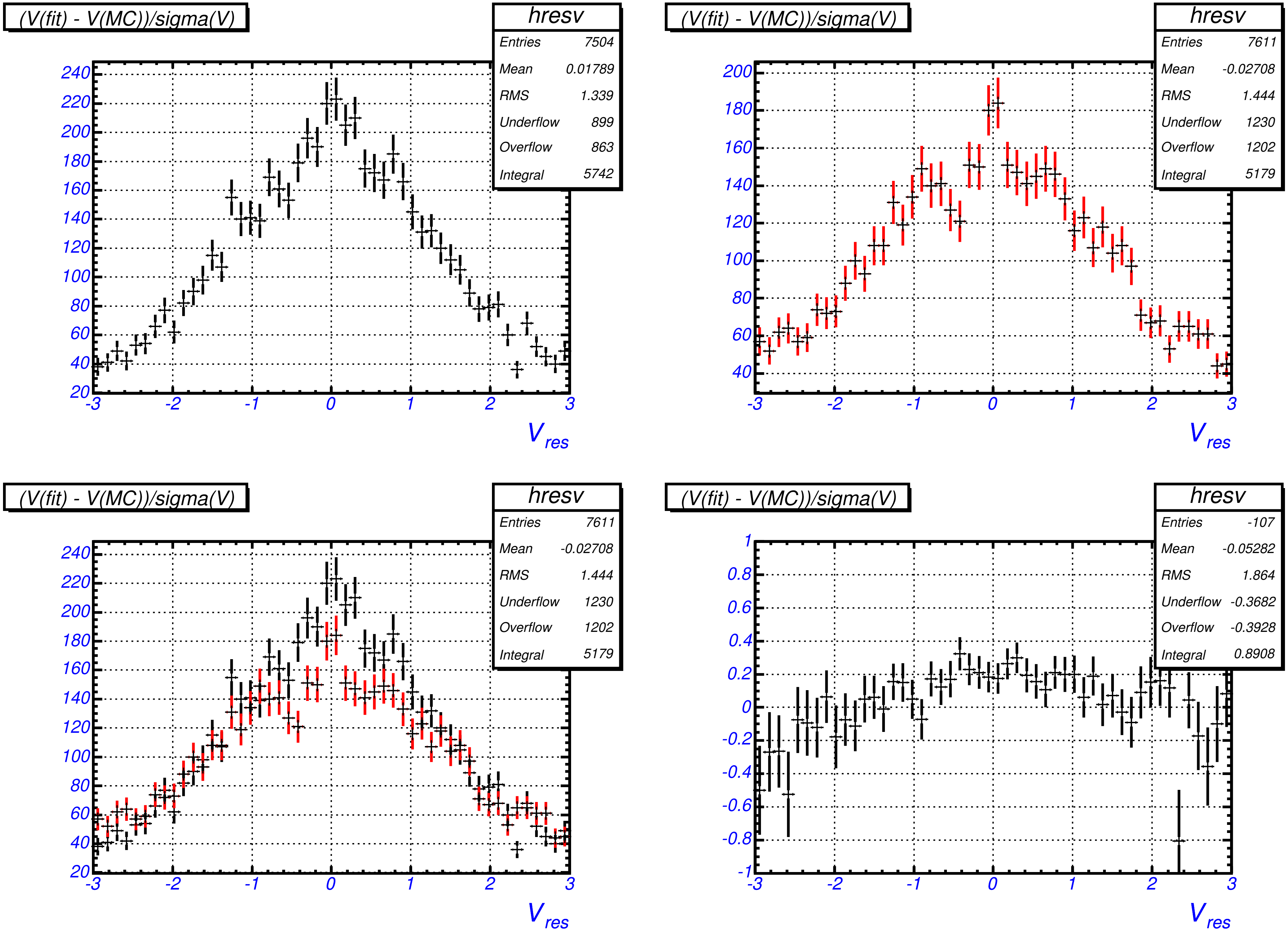

Chi2/ndf
hrchi2
Entries 7809
Mean 1.251
RMS 0.8012
Underflow 0
Overflow 473
Integral 7336
600
500
400
300
200
100
0
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5
χ2/ndf


Chi2/ndf
hrchi2
Entries -143
Mean 0.864
RMS 0.9403
Underflow 0
Overflow 0.2598
Integral -171
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5
χ2/ndf

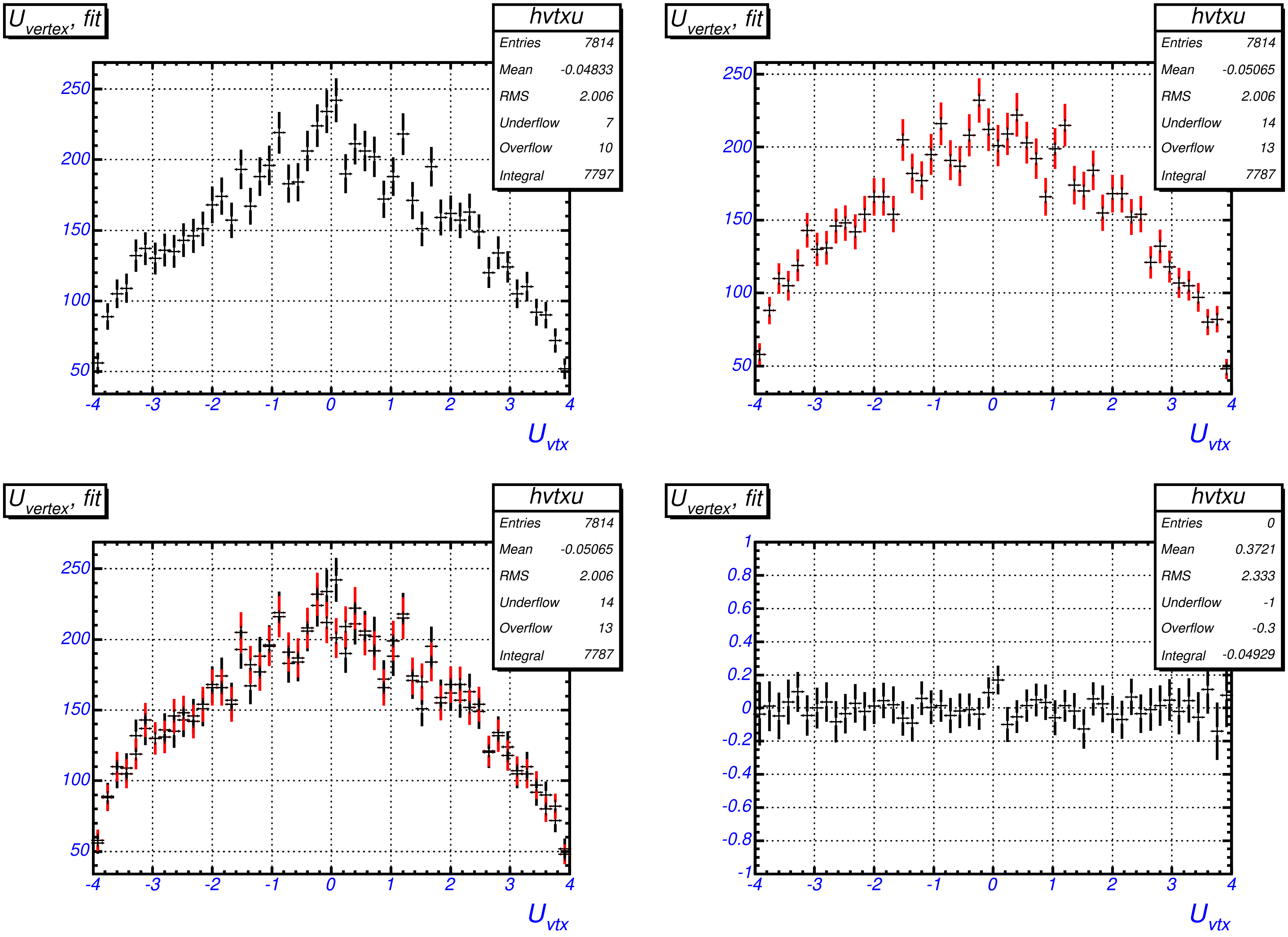


(q/p(fit) - q/p(MC))/sigma(q/p)
hres
Entries 6621
Mean 0.3505
RMS 1.339
Underflow 377
Overflow 734
Integral 5510
Q/P res
(q/p(fit) - q/p(MC))/sigma(q/p)
hres
Entries 6734
Mean 0.09731
RMS 1.038
Underflow 189
Overflow 437
Integral 6108
Q/P res
(q/p(fit) - q/p(MC))/sigma(q/p)
hres
Entries 6734
Mean 0.09731
RMS 1.038
Underflow 189
Overflow 437
Integral 6108
Q/P res
(q/p(fit) - q/p(MC))/sigma(q/p)
hres
Entries -113
Mean -0.07133
RMS 1.688
Underflow 0.4987
Overflow 0.4046
Integral 1.455
Q/P res

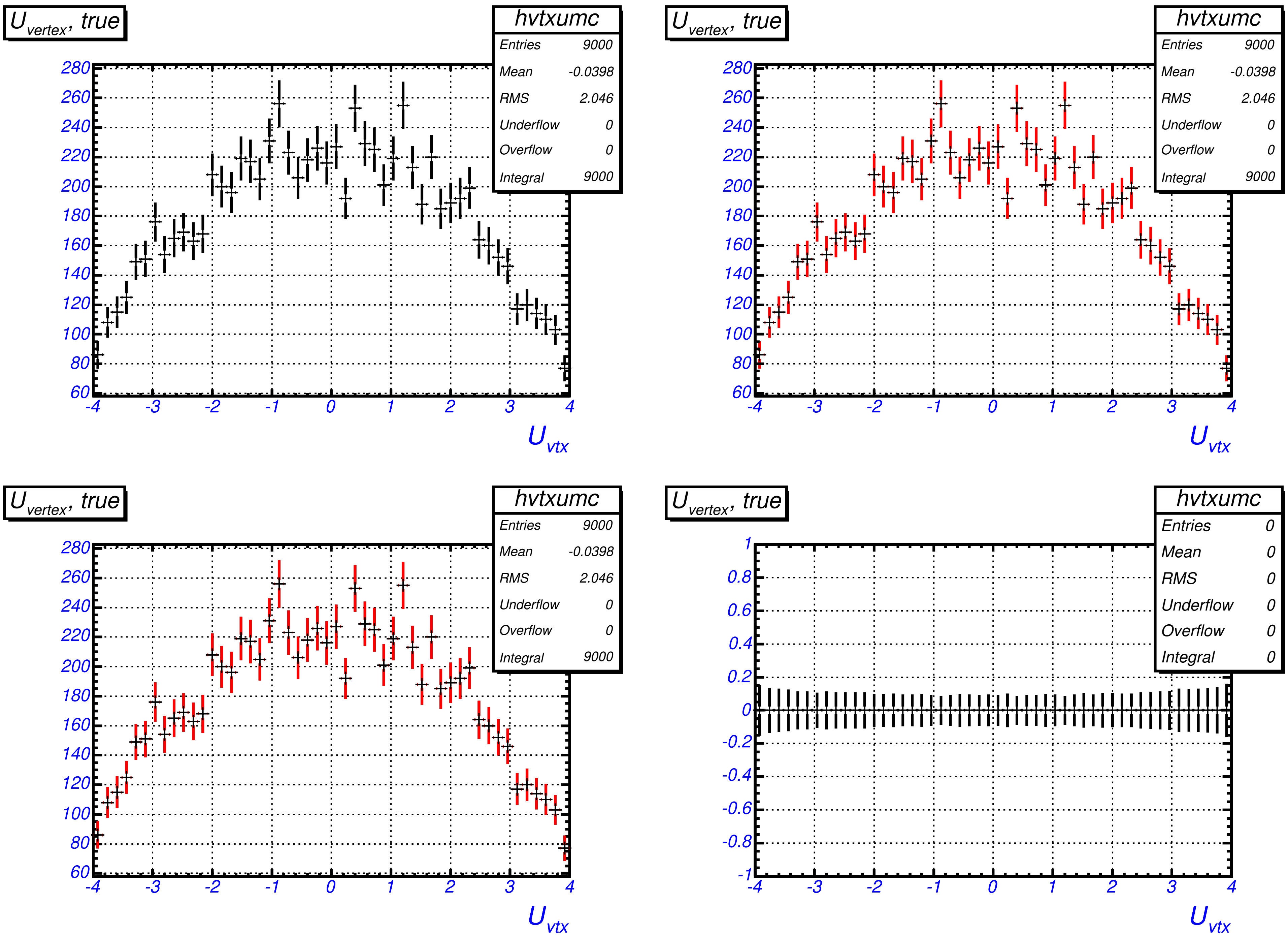

(U(fit) - U(MC))/sigma(U)
hresu
Entries 7504
Mean -0.0008191
RMS 1.343
Underflow 906
Overflow 845
Integral 5753
U_res
(U(fit) - U(MC))/sigma(U)
hresu
Entries 7611
Mean 0.0033
RMS 1.424
Underflow 1249
Overflow 1155
Integral 5207
U_res
(U(fit) - U(MC))/sigma(U)
hresu
Entries 7611
Mean 0.0033
RMS 1.424
Underflow 1249
Overflow 1155
Integral 5207
U_res
(U(fit) - U(MC))/sigma(U)
hresu
Entries -107
Mean -0.02008
RMS 1.96
Underflow -0.3786
Overflow -0.3669
Integral 1.297
U_res



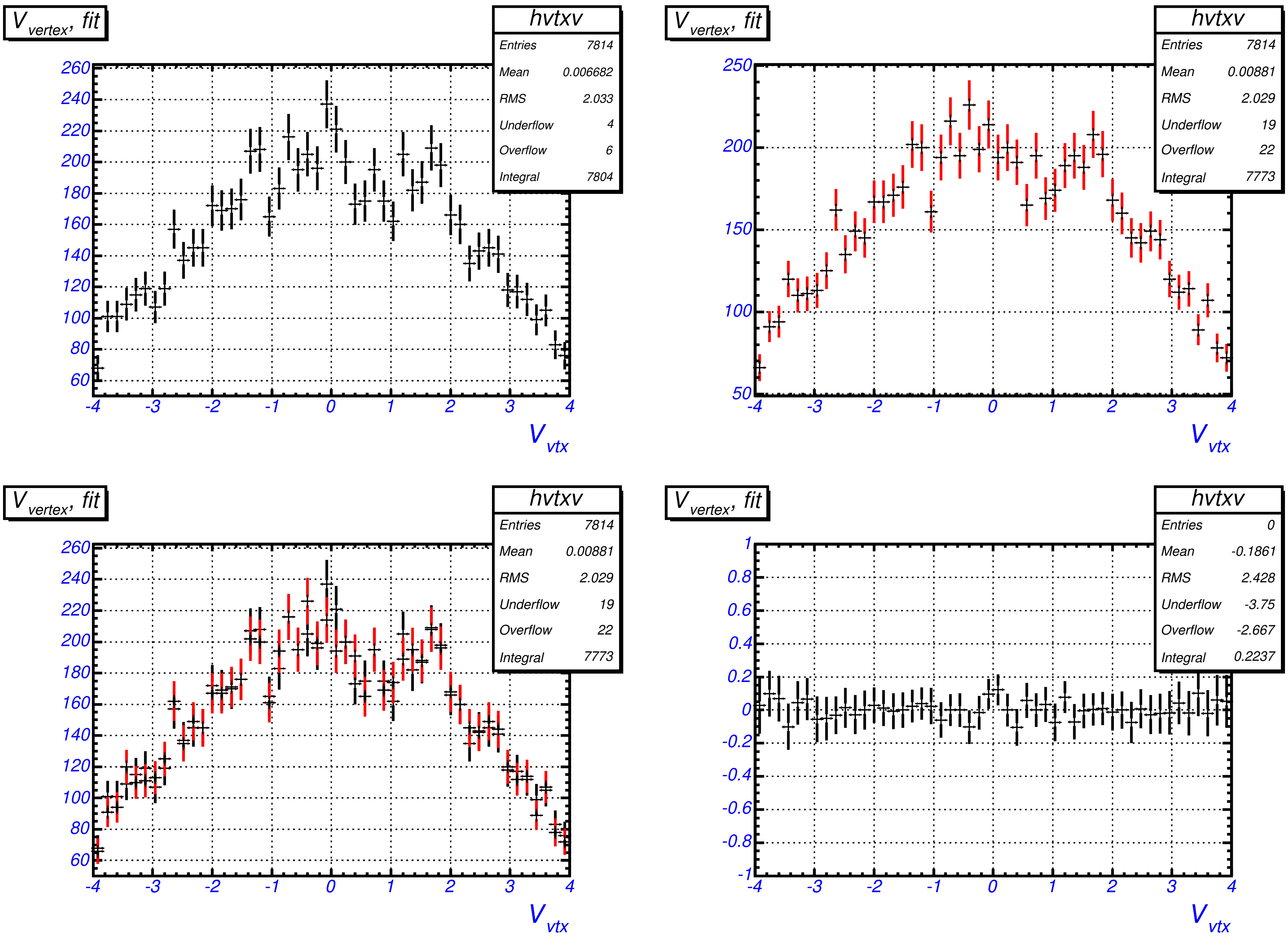
(V(fit) - V(MC))/sigma(V)
hresv
Entries 7504
Mean 0.01789
RMS 1.339
Underflow 899
Overflow 863
Integral 5742
V res
(V(fit) - V(MC))/sigma(V)
hresv
Entries 7611
Mean -0.02708
RMS 1.444
Underflow 1230
Overflow 1202
Integral 5179
V res
(V(fit) - V(MC))/sigma(V)
hresv
Entries 7611
Mean -0.02708
RMS 1.444
Underflow 1230
Overflow 1202
Integral 5179
V res
(V(fit) - V(MC))/sigma(V)
hresv
Entries -107
Mean -0.05282
RMS 1.864
Underflow -0.3682
Overflow -0.3928
Integral 0.8908
V res



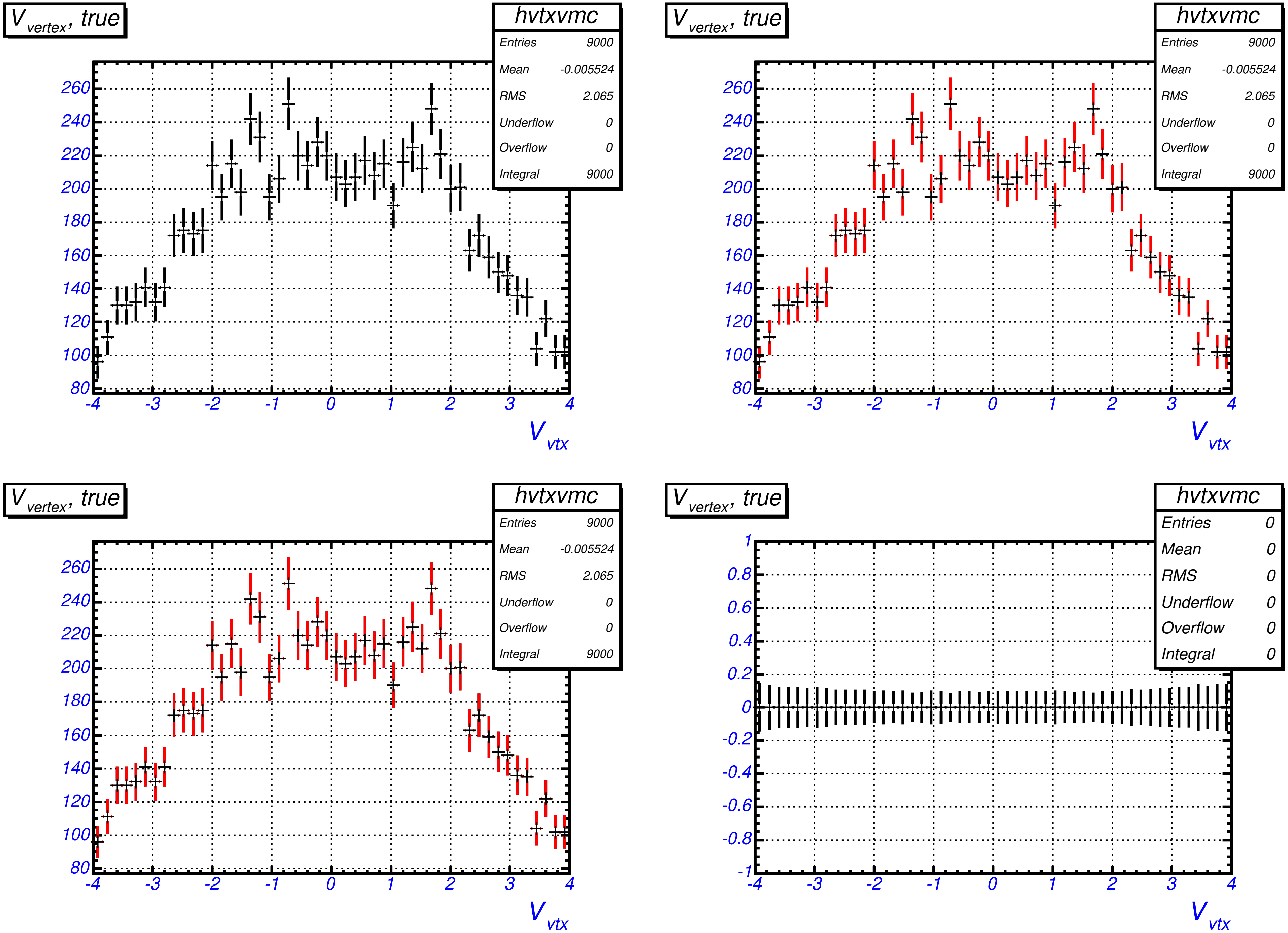
U_vertex, fit
hvtxu
Entries 7814
Mean -0.04833
RMS 2.006
Underflow 7
Overflow 10
Integral 7797
U_vtx
U_vertex, fit
hvtxu
Entries 7814
Mean -0.05065
RMS 2.006
Underflow 14
Overflow 13
Integral 7787
U_vtx
U_vertex, fit
hvtxu
Entries 7814
Mean -0.05065
RMS 2.006
Underflow 14
Overflow 13
Integral 7787
U_vtx
U_vertex, fit
hvtxu
Entries 0
Mean 0.3721
RMS 2.333
Underflow -1
Overflow -0.3
Integral -0.04929
U_vtx



U_vertex, true
hvtxumc
Entries 9000
Mean -0.0398
RMS 2.046
Underflow 0
Overflow 0
Integral 9000
U_vtx
U_vertex, true
hvtxumc
Entries 9000
Mean -0.0398
RMS 2.046
Underflow 0
Overflow 0
Integral 9000
U_vtx
U_vertex, true
hvtxumc
Entries 9000
Mean -0.0398
RMS 2.046
Underflow 0
Overflow 0
Integral 9000
U_vtx
U_vertex, true
hvtxumc
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
U_vtx



V vertex, fit
hvtxv
Entries 7814
Mean 0.006682
RMS 2.033
Underflow 4
Overflow 6
Integral 7804
V vtx
V vertex, fit
hvtxv
Entries 7814
Mean 0.00881
RMS 2.029
Underflow 19
Overflow 22
Integral 7773
V vtx
V vertex, fit
hvtxv
Entries 7814
Mean 0.00881
RMS 2.029
Underflow 19
Overflow 22
Integral 7773
V vtx
V vertex, fit
hvtxv
Entries 0
Mean -0.1861
RMS 2.428
Underflow -3.75
Overflow -2.667
Integral 0.2237
V vtx


V vertex, true
hvtxvmc
Entries 9000
Mean -0.005524
RMS 2.065
Underflow 0
Overflow 0
Integral 9000
V vtx
V vertex, true
hvtxvmc
Entries 9000
Mean -0.005524
RMS 2.065
Underflow 0
Overflow 0
Integral 9000
V vtx
V vertex, true
hvtxvmc
Entries 9000
Mean -0.005524
RMS 2.065
Underflow 0
Overflow 0
Integral 9000
V vtx
V vertex, true
hvtxvmc
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
V vtx