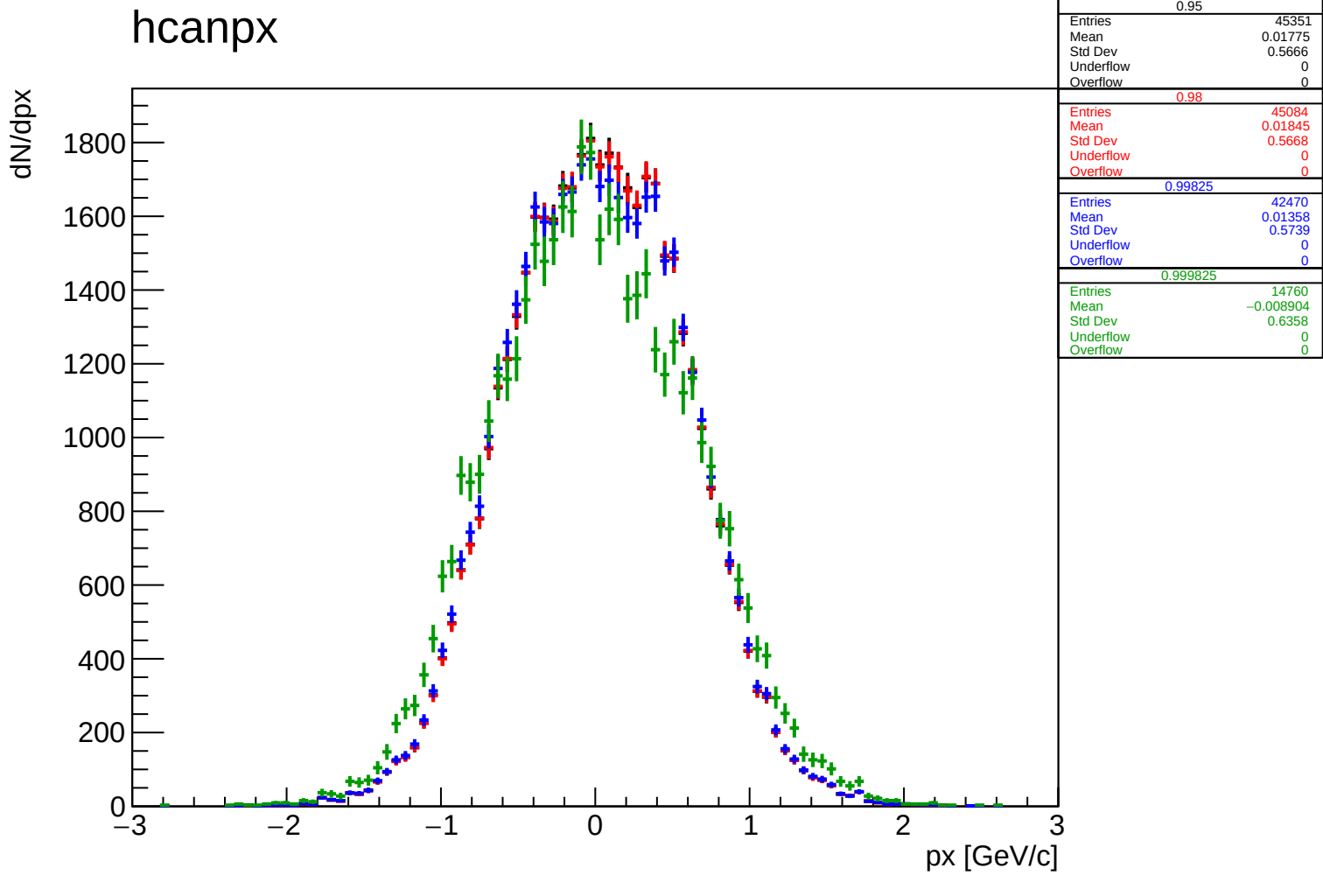
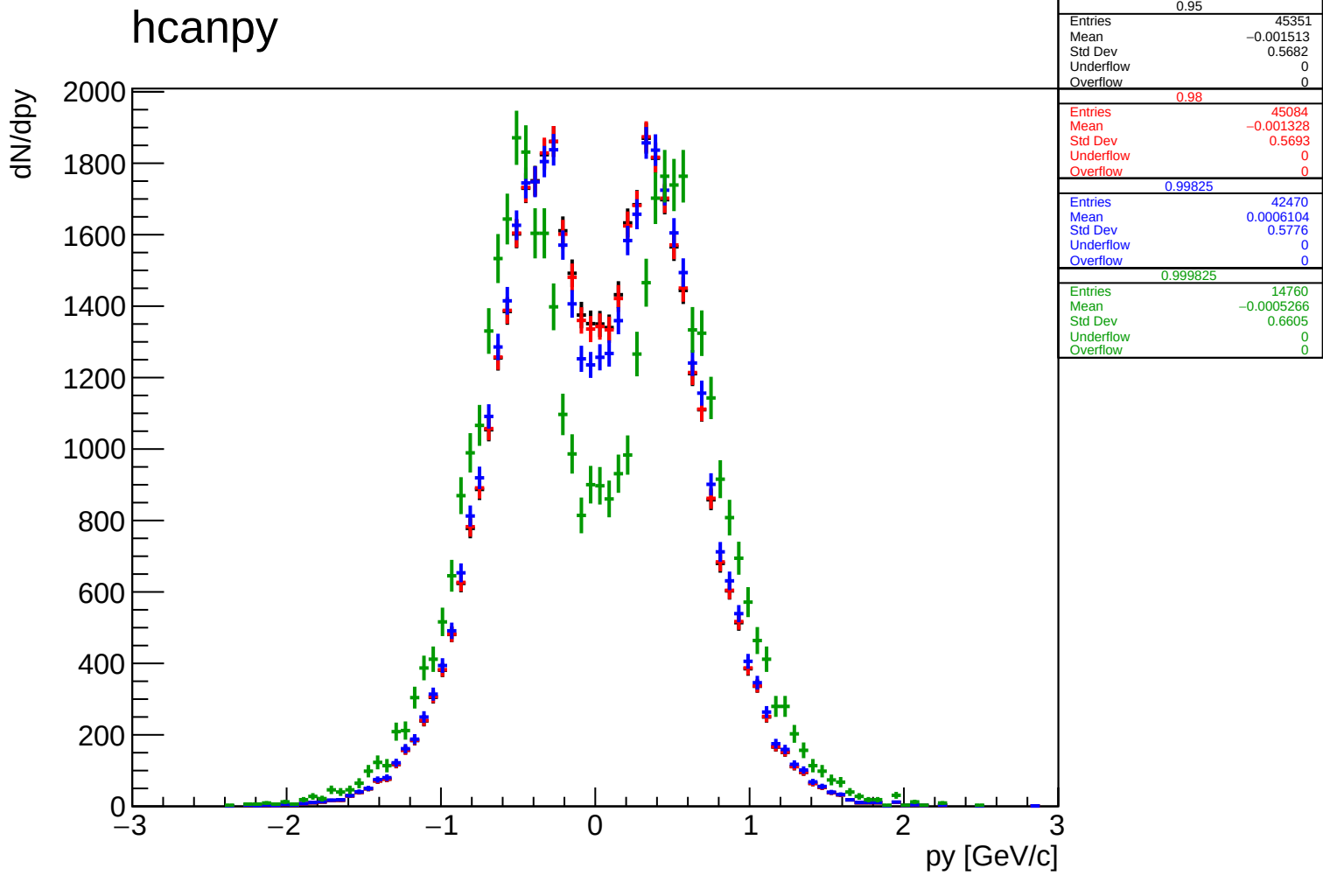
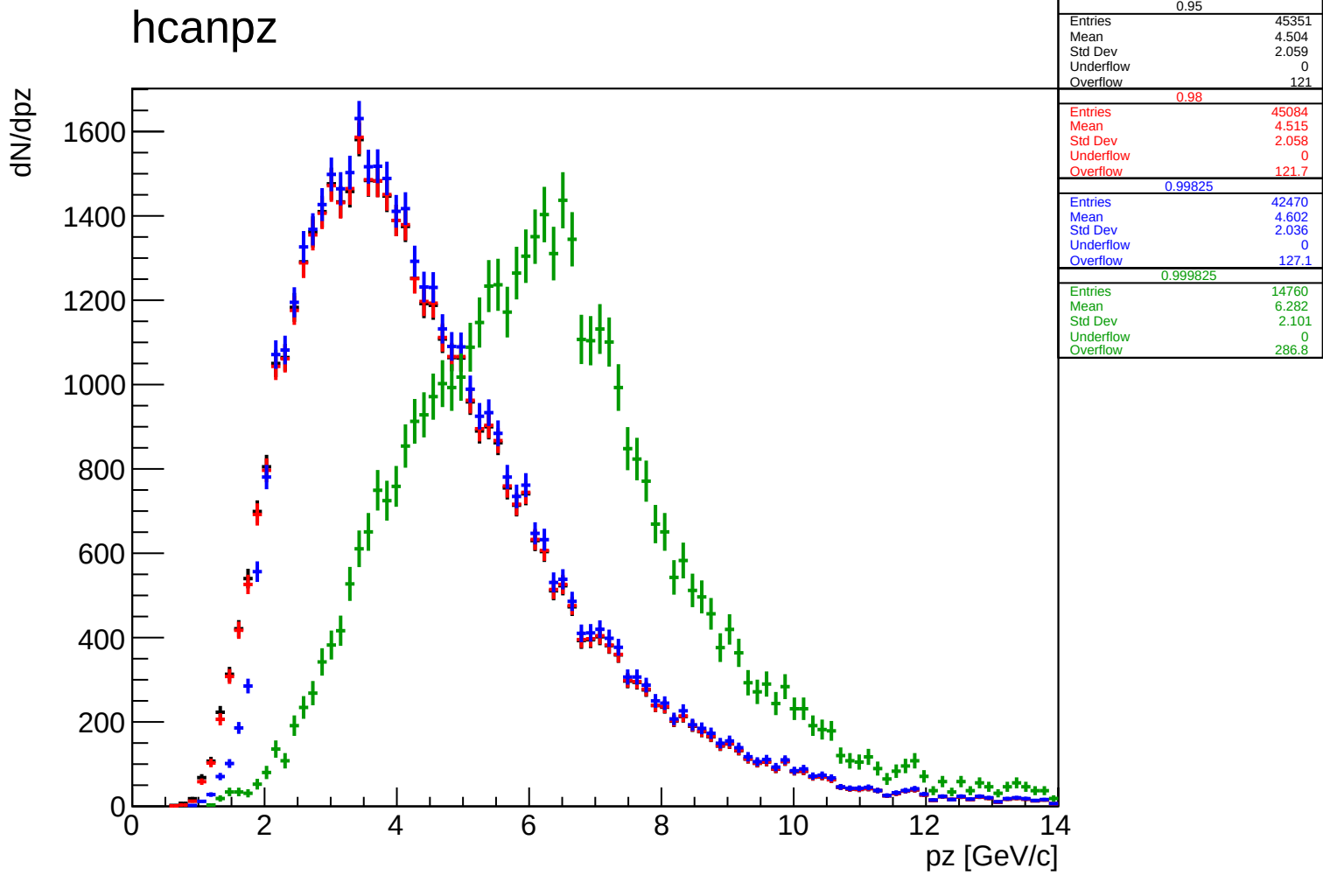
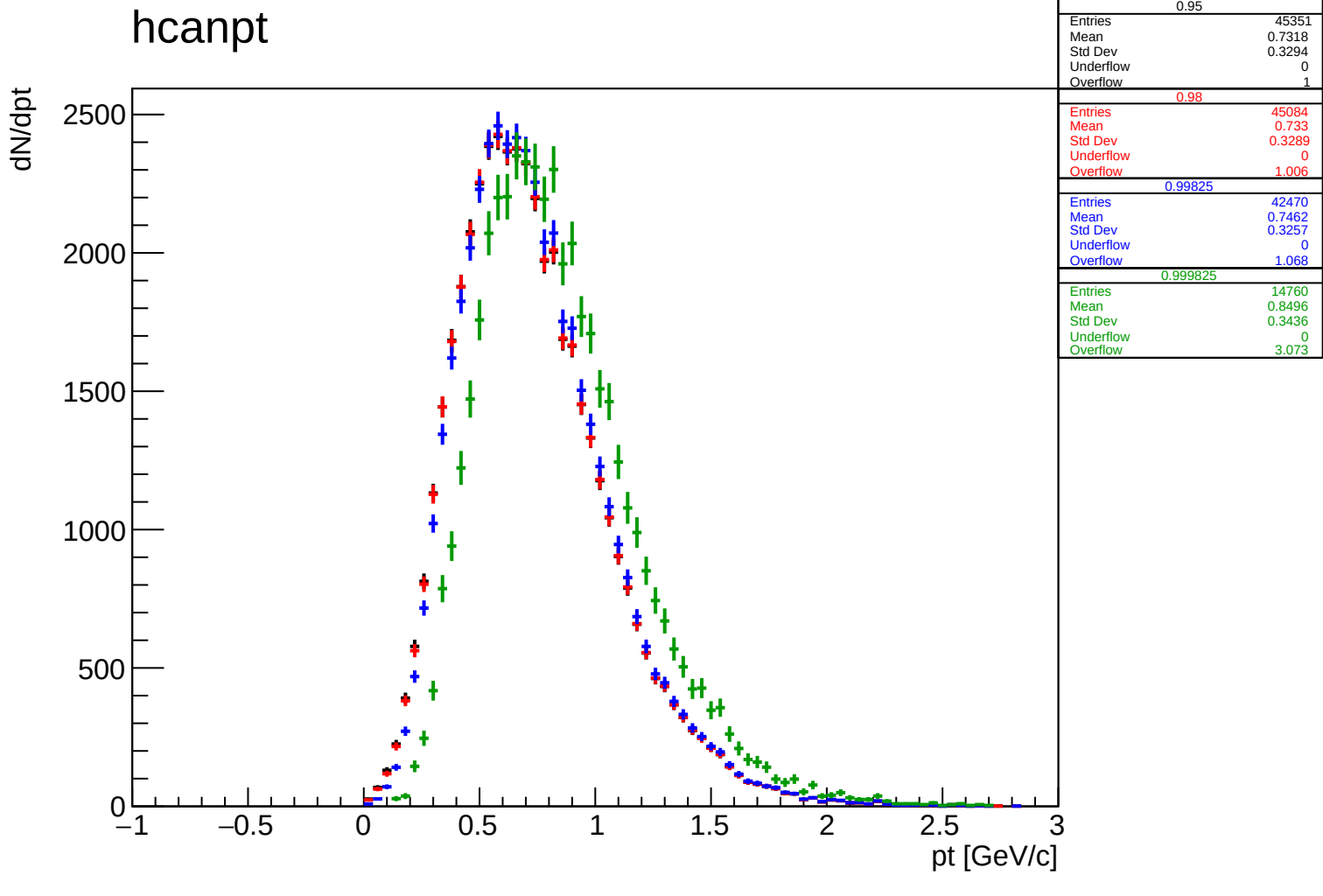
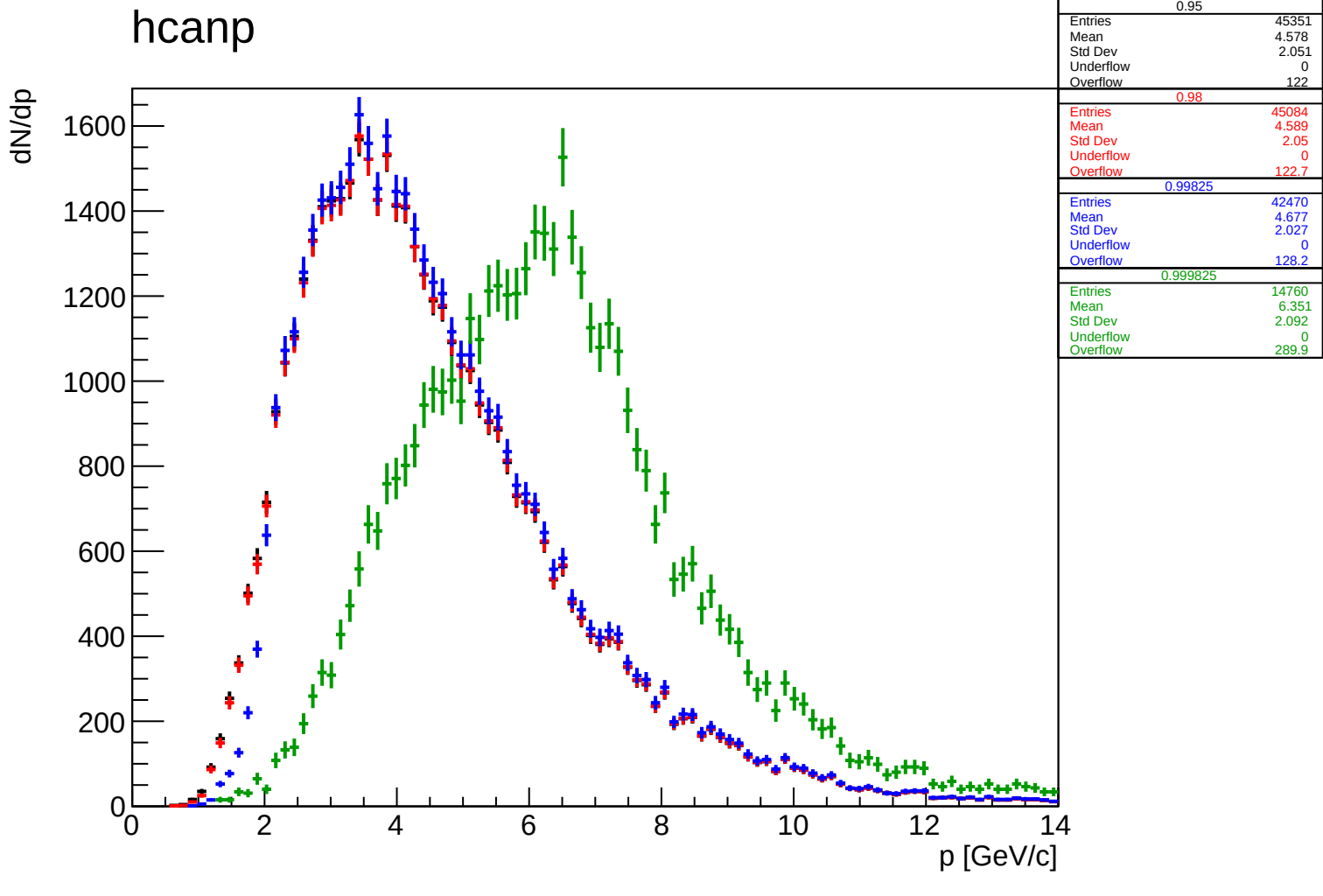
Comparing folder / of files:
comparison/0.95.root (0.95)
comparison/0.98.root (0.98)
comparison/0.99825.root (0.99825)
comparison/0.999825.root (0.999825)

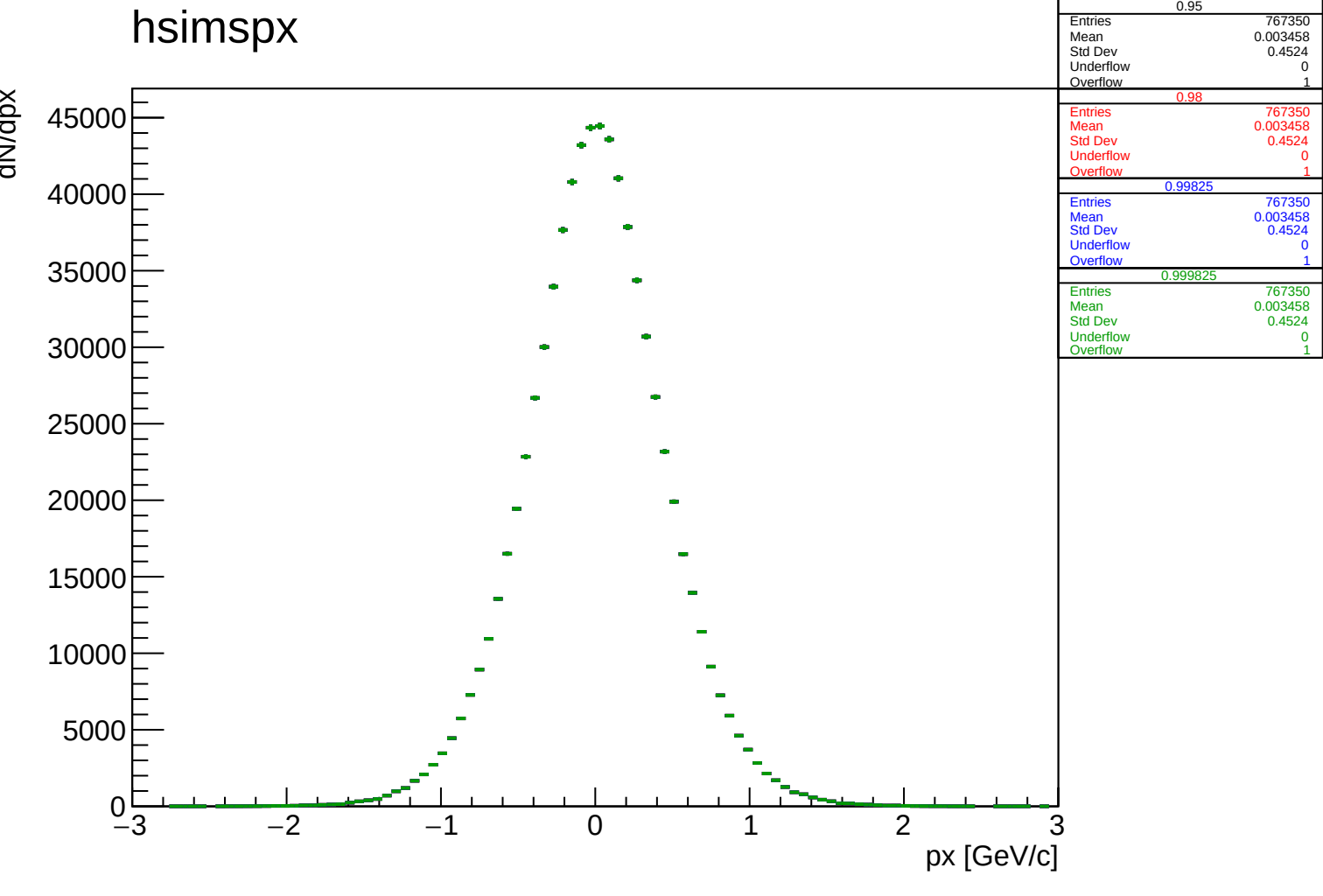

hcanpx
dN/dpx
px [GeV/c]
0.95
Entries 45351
Mean 0.01775
Std Dev 0.5666
Underflow 0
Overflow 0
0.98
Entries 45084
Mean 0.01845
Std Dev 0.5668
Underflow 0
Overflow 0
0.99825
Entries 42470
Mean 0.01358
Std Dev 0.5739
Underflow 0
Overflow 0
0.999825
Entries 14760
Mean −0.008904
Std Dev 0.6358
Underflow 0
Overflow 0

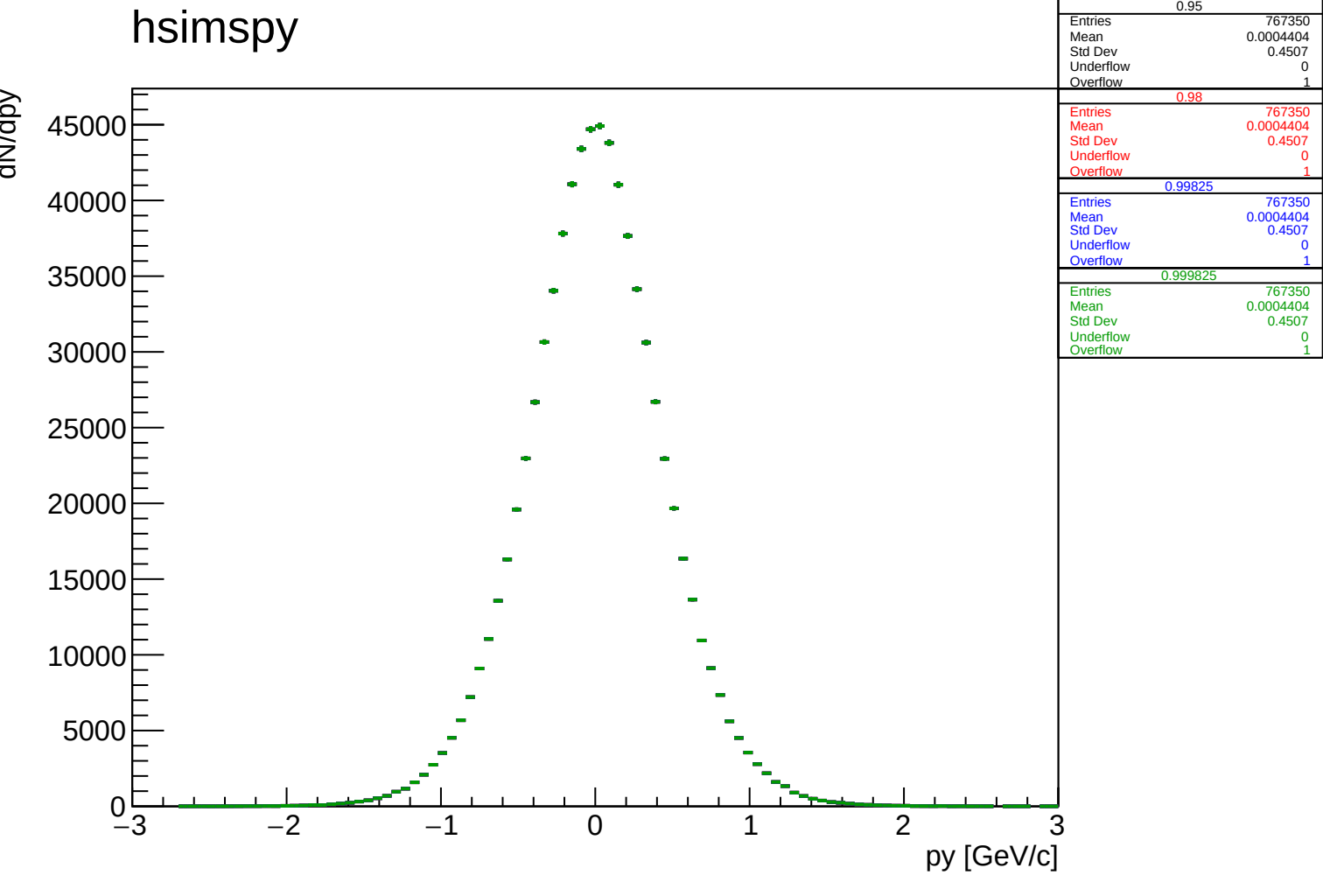

hcanpy
dN/dpy
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
py [GeV/c]
0.95
Entries 45351
Mean −0.001513
Std Dev 0.5682
Underflow 0
Overflow 0
0.98
Entries 45084
Mean −0.001328
Std Dev 0.5693
Underflow 0
Overflow 0
0.99825
Entries 42470
Mean 0.0006104
Std Dev 0.5776
Underflow 0
Overflow 0
0.999825
Entries 14760
Mean −0.0005266
Std Dev 0.6605
Underflow 0
Overflow 0

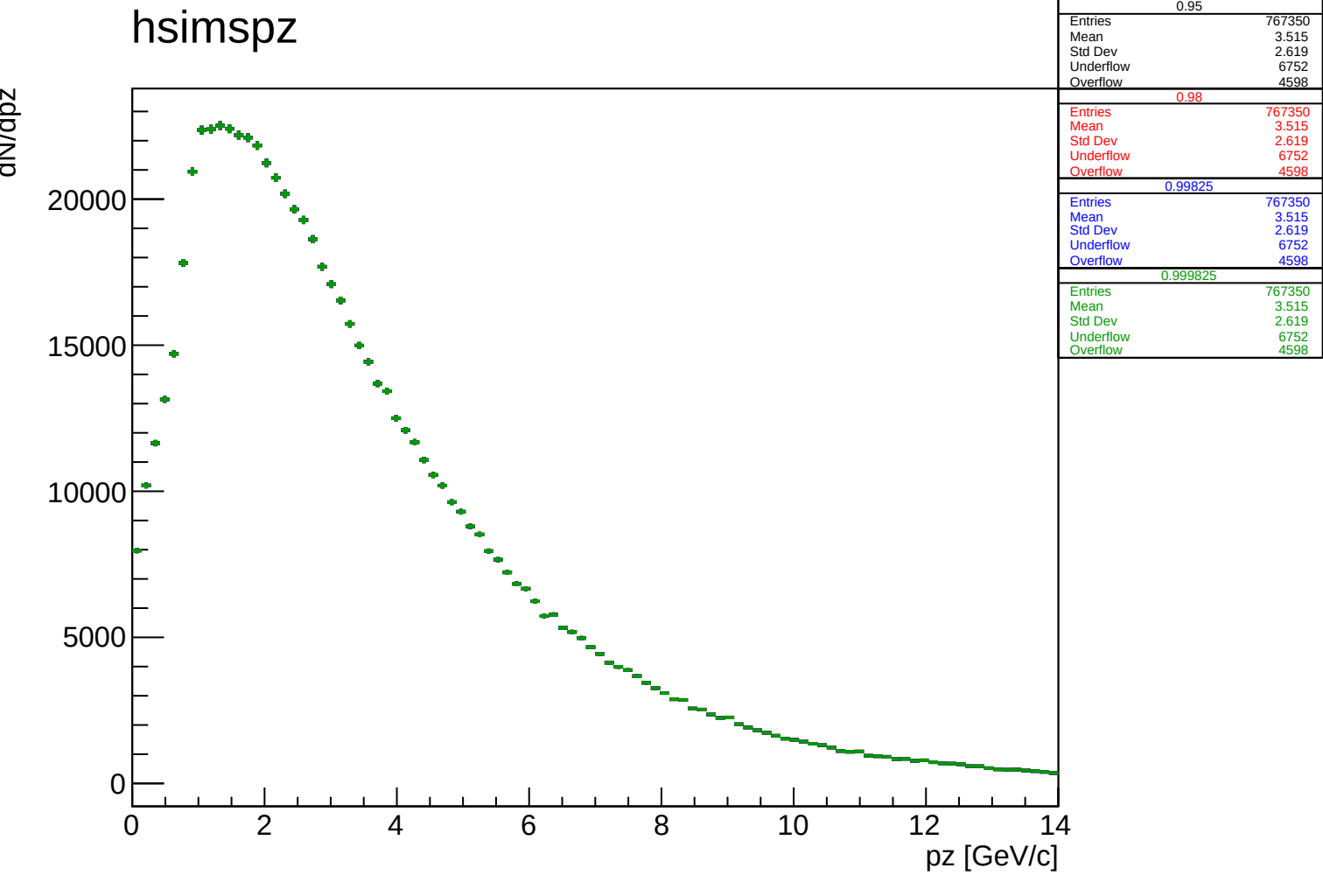

hcanpz
dN/dpz
pz [GeV/c]
0
200
400
600
800
1000
1200
1400
1600
0
2
4
6
8
10
12
14
0.95
Entries 45351
Mean 4.504
Std Dev 2.059
Underflow 0
Overflow 121
0.98
Entries 45084
Mean 4.515
Std Dev 2.058
Underflow 0
Overflow 121.7
0.99825
Entries 42470
Mean 4.602
Std Dev 2.036
Underflow 0
Overflow 127.1
0.999825
Entries 14760
Mean 6.282
Std Dev 2.101
Underflow 0
Overflow 286.8

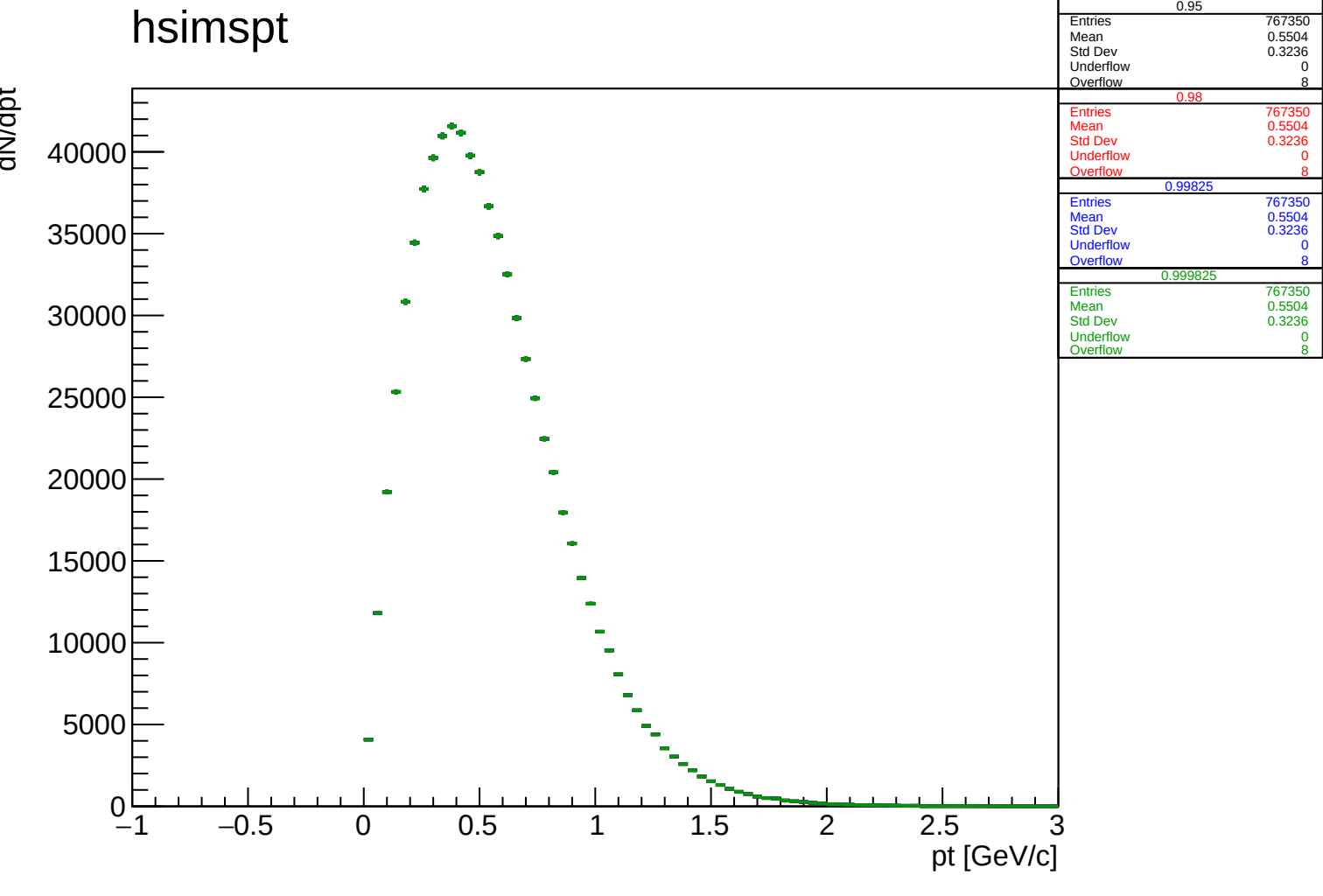

hcanpt
dN/dpt
2500
2000
1500
1000
500
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
pt [GeV/c]
0.95
Entries 45351
Mean 0.7318
Std Dev 0.3294
Underflow 0
Overflow 1
0.98
Entries 45084
Mean 0.733
Std Dev 0.3289
Underflow 0
Overflow 1.006
0.99825
Entries 42470
Mean 0.7462
Std Dev 0.3257
Underflow 0
Overflow 1.068
0.999825
Entries 14760
Mean 0.8496
Std Dev 0.3436
Underflow 0
Overflow 3.073

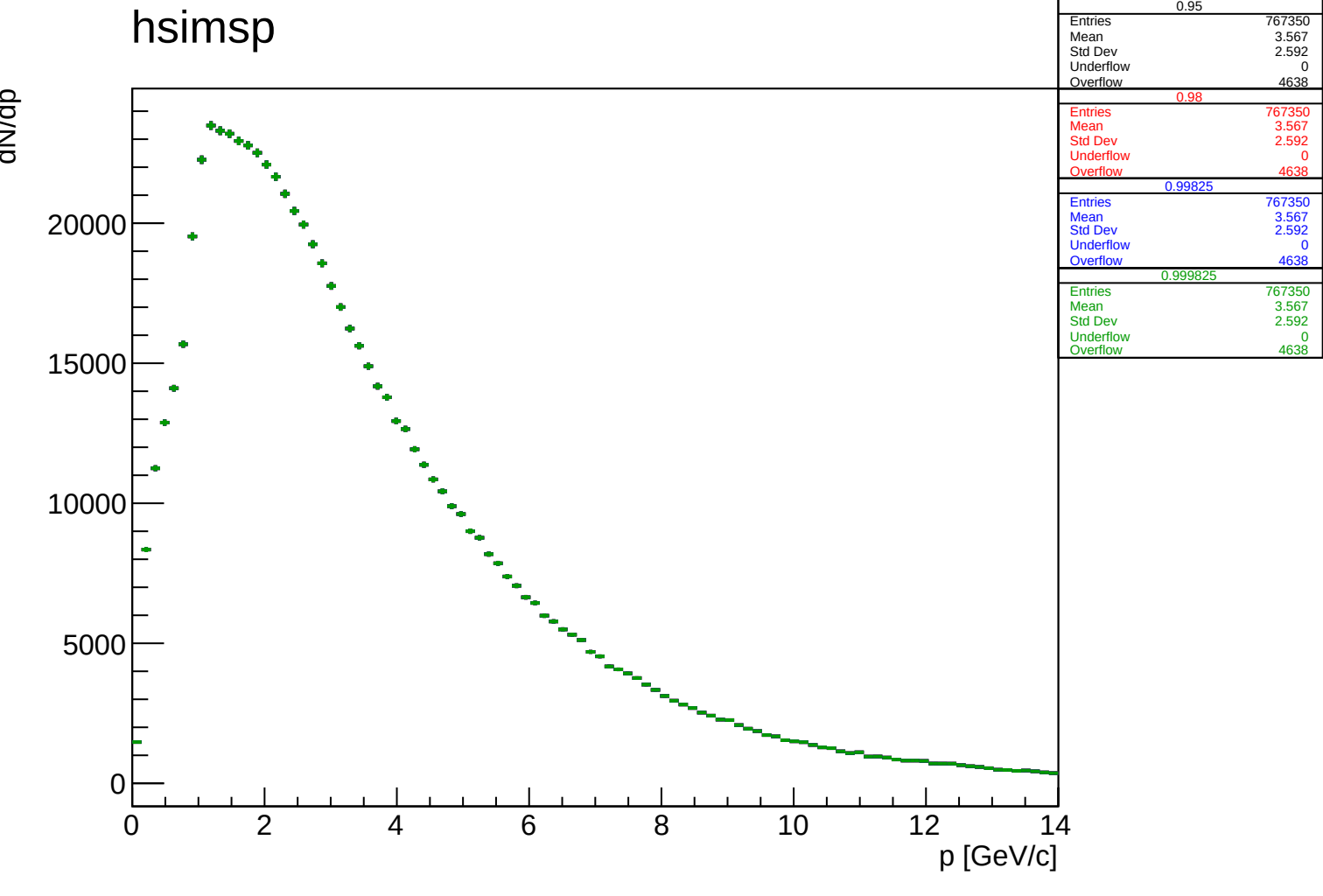

hcanp
dN/dp
p [GeV/c]
0
200
400
600
800
1000
1200
1400
1600
0
2
4
6
8
10
12
14
0.95
Entries 45351
Mean 4.578
Std Dev 2.051
Underflow 0
Overflow 122
0.98
Entries 45084
Mean 4.589
Std Dev 2.05
Underflow 0
Overflow 122.7
0.99825
Entries 42470
Mean 4.677
Std Dev 2.027
Underflow 0
Overflow 128.2
0.999825
Entries 14760
Mean 6.351
Std Dev 2.092
Underflow 0
Overflow 289.9

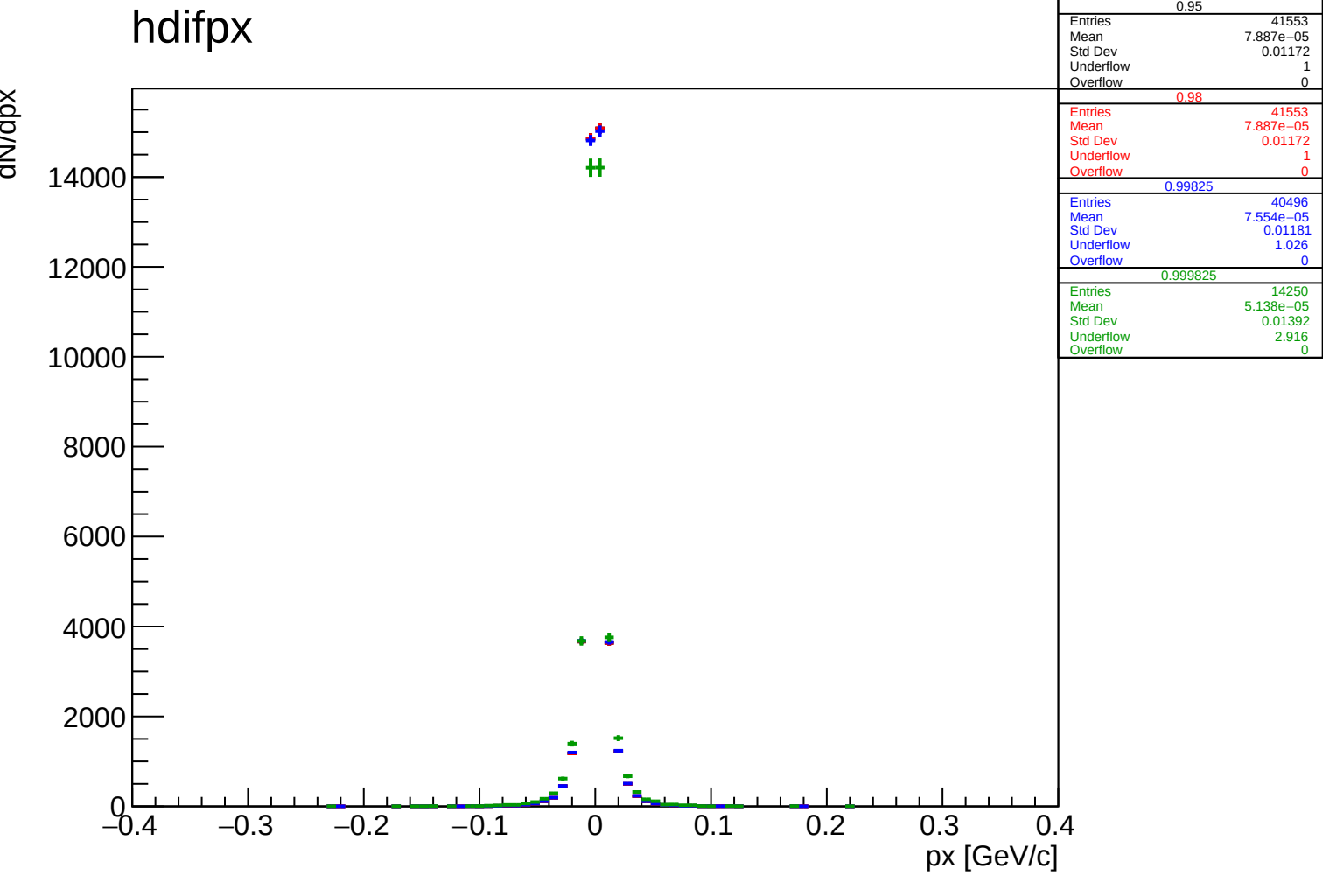

hsimspx
dN/dpx
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
px [GeV/c]
0.95
Entries 767350
Mean 0.003458
Std Dev 0.4524
Underflow 0
Overflow 1
0.98
Entries 767350
Mean 0.003458
Std Dev 0.4524
Underflow 0
Overflow 1
0.99825
Entries 767350
Mean 0.003458
Std Dev 0.4524
Underflow 0
Overflow 1
0.999825
Entries 767350
Mean 0.003458
Std Dev 0.4524
Underflow 0
Overflow 1

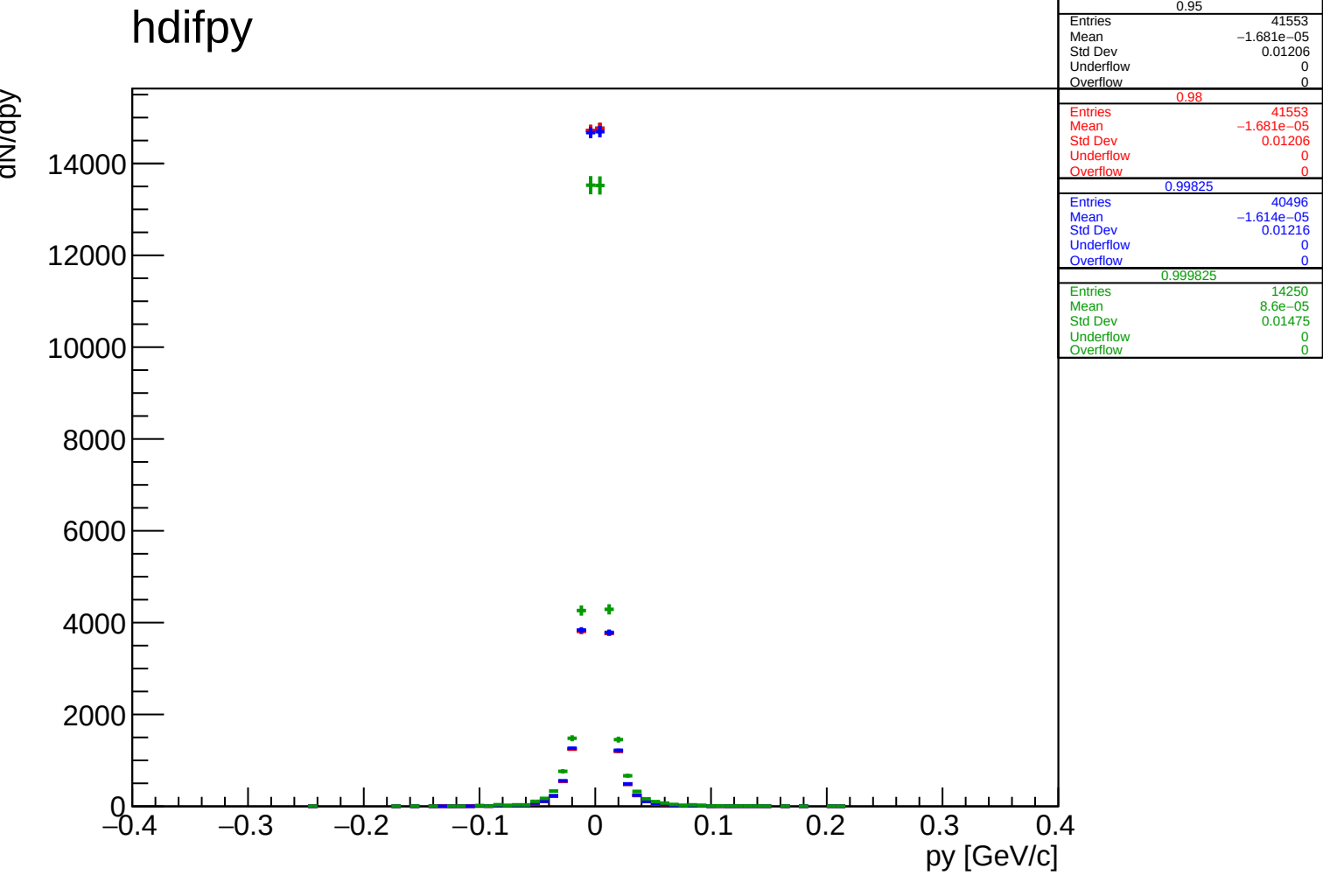

hsimspy
dN/dpy
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
py [GeV/c]
0.95
Entries 767350
Mean 0.0004404
Std Dev 0.4507
Underflow 0
Overflow 1
0.98
Entries 767350
Mean 0.0004404
Std Dev 0.4507
Underflow 0
Overflow 1
0.99825
Entries 767350
Mean 0.0004404
Std Dev 0.4507
Underflow 0
Overflow 1
0.999825
Entries 767350
Mean 0.0004404
Std Dev 0.4507
Underflow 0
Overflow 1

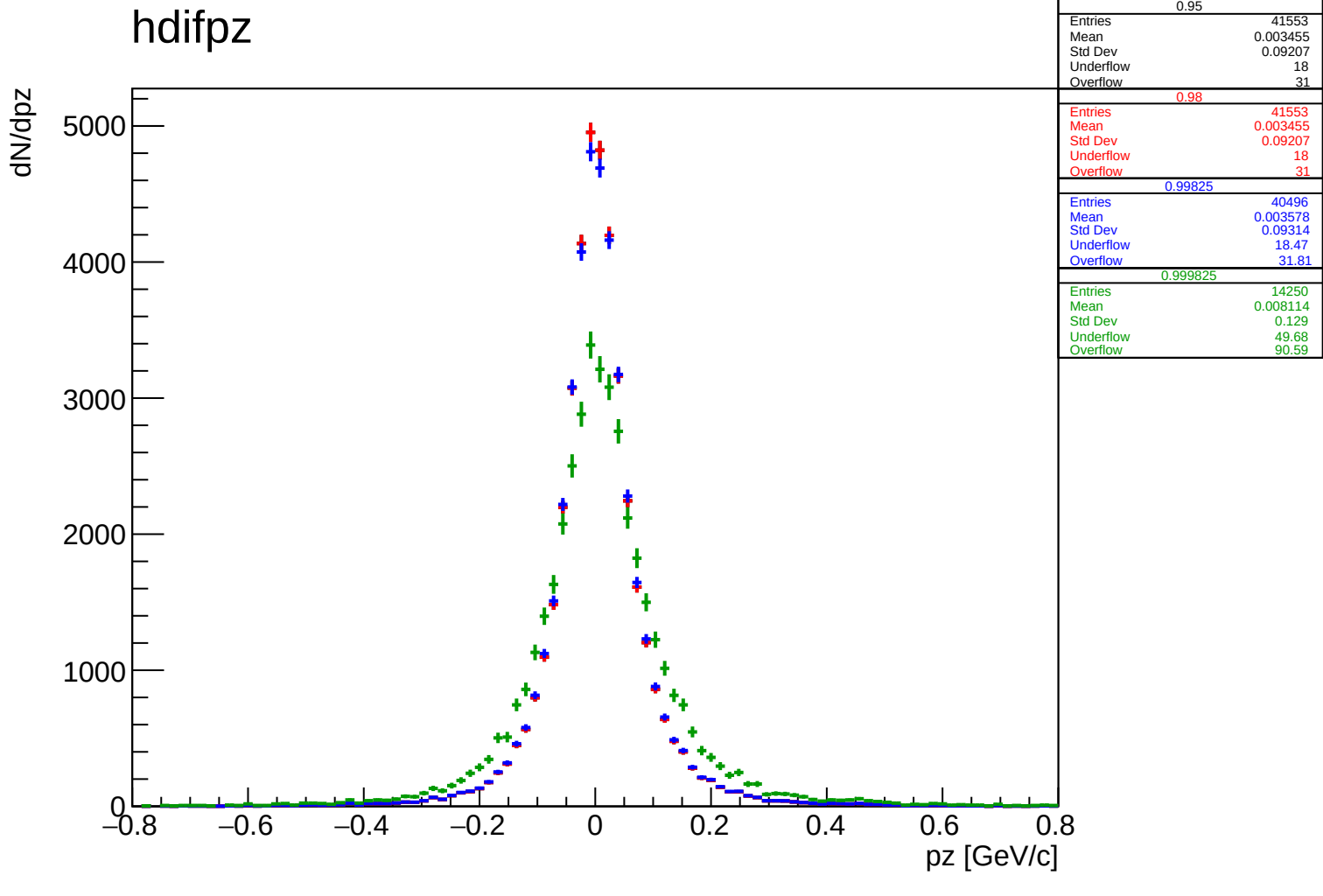

hsimspz
dN/dpz
20000
15000
10000
5000
0
0
2
4
6
8
10
12
14
pz [GeV/c]
0.95
Entries 767350
Mean 3.515
Std Dev 2.619
Underflow 6752
Overflow 4598
0.98
Entries 767350
Mean 3.515
Std Dev 2.619
Underflow 6752
Overflow 4598
0.99825
Entries 767350
Mean 3.515
Std Dev 2.619
Underflow 6752
Overflow 4598
0.999825
Entries 767350
Mean 3.515
Std Dev 2.619
Underflow 6752
Overflow 4598

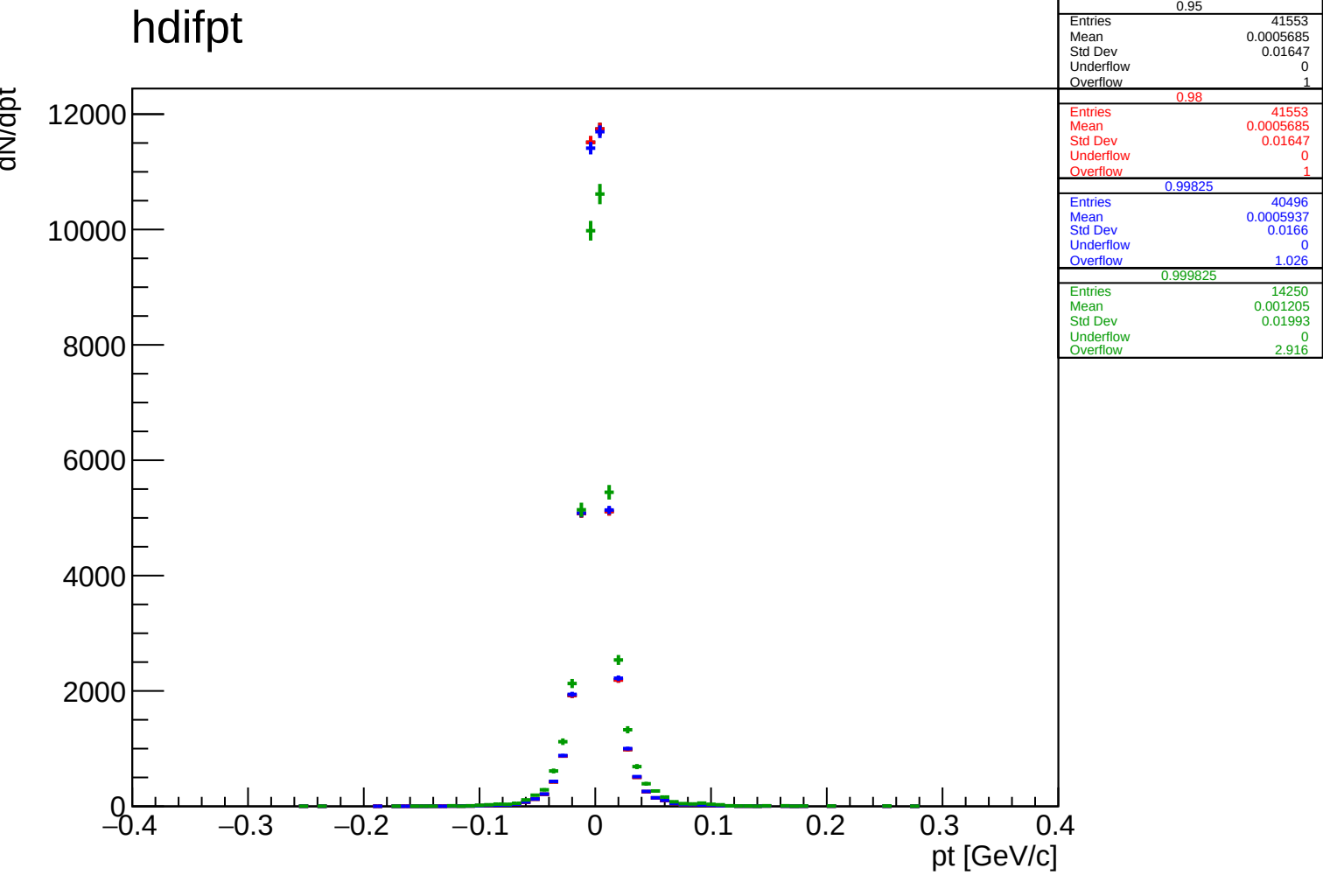

hsimspt
dN/dpt
40000
35000
30000
25000
20000
15000
10000
5000
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
pt [GeV/c]
0.95
Entries 767350
Mean 0.5504
Std Dev 0.3236
Underflow 0
Overflow 8
0.98
Entries 767350
Mean 0.5504
Std Dev 0.3236
Underflow 0
Overflow 8
0.99825
Entries 767350
Mean 0.5504
Std Dev 0.3236
Underflow 0
Overflow 8
0.999825
Entries 767350
Mean 0.5504
Std Dev 0.3236
Underflow 0
Overflow 8

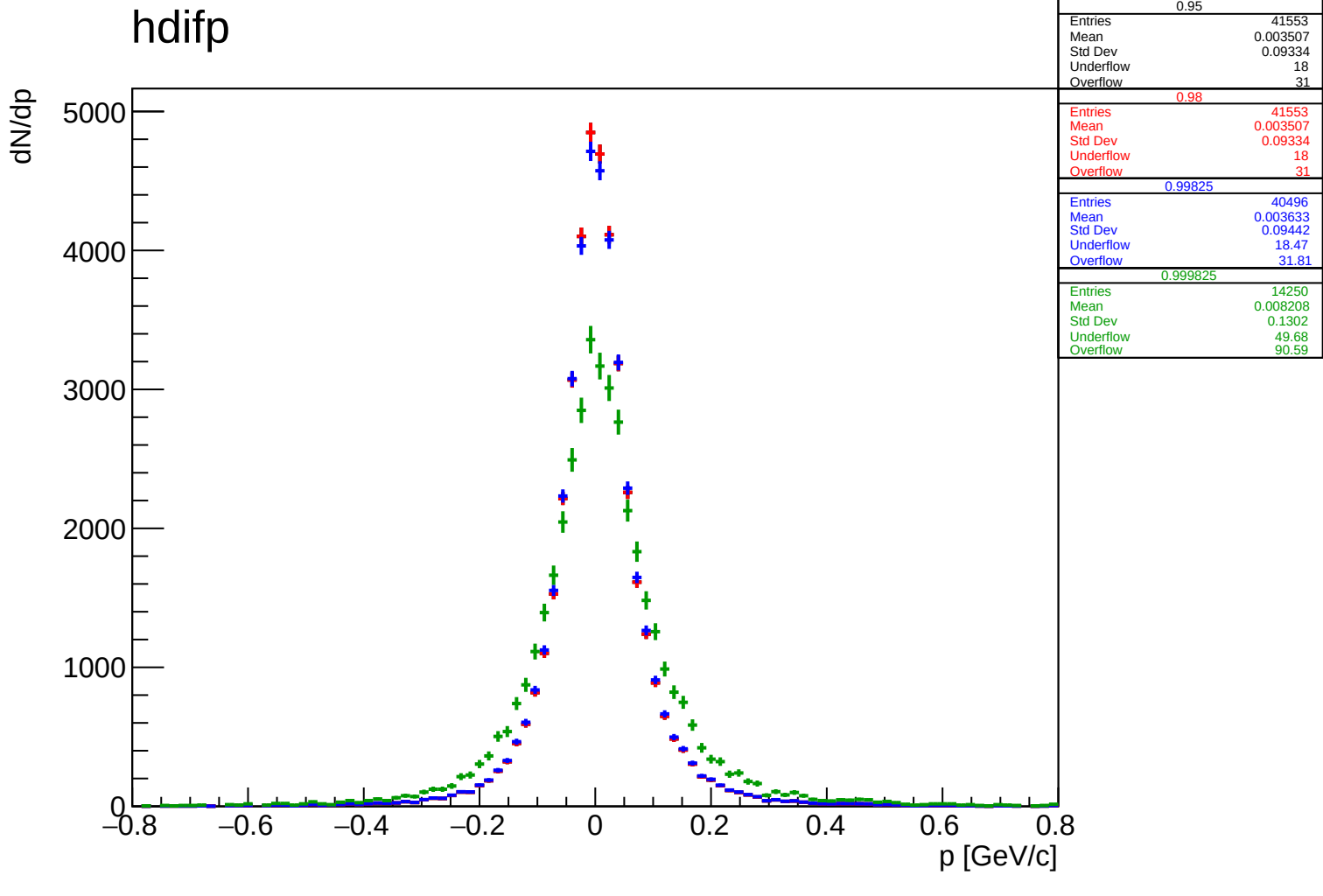

hsimsp
dN/dp
20000
15000
10000
5000
0
0
2
4
6
8
10
12
14
p [GeV/c]
0.95
Entries 767350
Mean 3.567
Std Dev 2.592
Underflow 0
Overflow 4638
0.98
Entries 767350
Mean 3.567
Std Dev 2.592
Underflow 0
Overflow 4638
0.99825
Entries 767350
Mean 3.567
Std Dev 2.592
Underflow 0
Overflow 4638
0.999825
Entries 767350
Mean 3.567
Std Dev 2.592
Underflow 0
Overflow 4638


hdifpx
dN/dpx
14000
12000
10000
8000
6000
4000
2000
0
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
px [GeV/c]
0.95
Entries 41553
Mean 7.887e−05
Std Dev 0.01172
Underflow 1
Overflow 0
0.98
Entries 41553
Mean 7.887e−05
Std Dev 0.01172
Underflow 1
Overflow 0
0.99825
Entries 40496
Mean 7.554e−05
Std Dev 0.01181
Underflow 1.026
Overflow 0
0.999825
Entries 14250
Mean 5.138e−05
Std Dev 0.01392
Underflow 2.916
Overflow 0

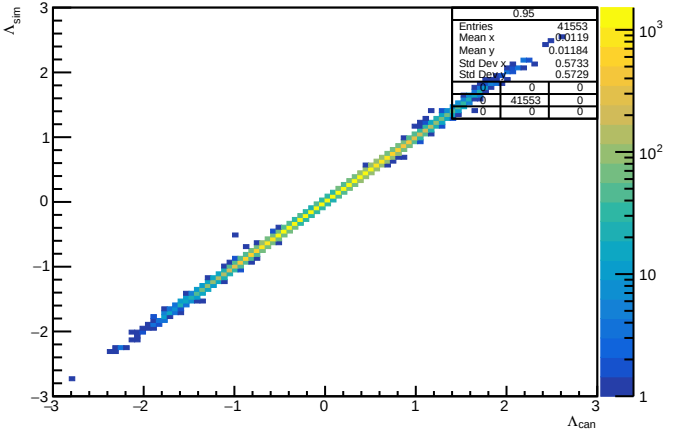

hdifpy
dN/dpy
14000
12000
10000
8000
6000
4000
2000
0
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
py [GeV/c]
0.95
Entries 41553
Mean −1.681e−05
Std Dev 0.01206
Underflow 0
Overflow 0
0.98
Entries 41553
Mean −1.681e−05
Std Dev 0.01206
Underflow 0
Overflow 0
0.99825
Entries 40496
Mean −1.614e−05
Std Dev 0.01216
Underflow 0
Overflow 0
0.999825
Entries 14250
Mean 8.6e−05
Std Dev 0.01475
Underflow 0
Overflow 0

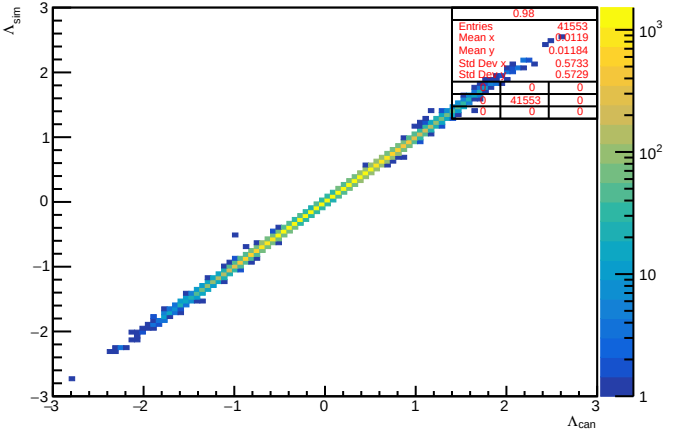

hdifpz
dN/dpz
5000
4000
3000
2000
1000
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
pz [GeV/c]
0.95
Entries 41553
Mean 0.003455
Std Dev 0.09207
Underflow 18
Overflow 31
0.98
Entries 41553
Mean 0.003455
Std Dev 0.09207
Underflow 18
Overflow 31
0.99825
Entries 40496
Mean 0.003578
Std Dev 0.09314
Underflow 18.47
Overflow 31.81
0.999825
Entries 14250
Mean 0.008114
Std Dev 0.129
Underflow 49.68
Overflow 90.59

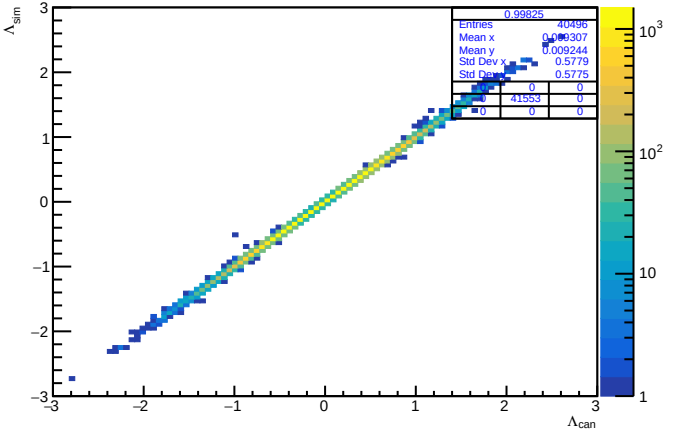

hdifpt
dN/dpt
12000
10000
8000
6000
4000
2000
0
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
pt [GeV/c]
0.95
Entries 41553
Mean 0.0005685
Std Dev 0.01647
Underflow 0
Overflow 1
0.98
Entries 41553
Mean 0.0005685
Std Dev 0.01647
Underflow 0
Overflow 1
0.99825
Entries 40496
Mean 0.0005937
Std Dev 0.0166
Underflow 0
Overflow 1.026
0.999825
Entries 14250
Mean 0.001205
Std Dev 0.01993
Underflow 0
Overflow 2.916

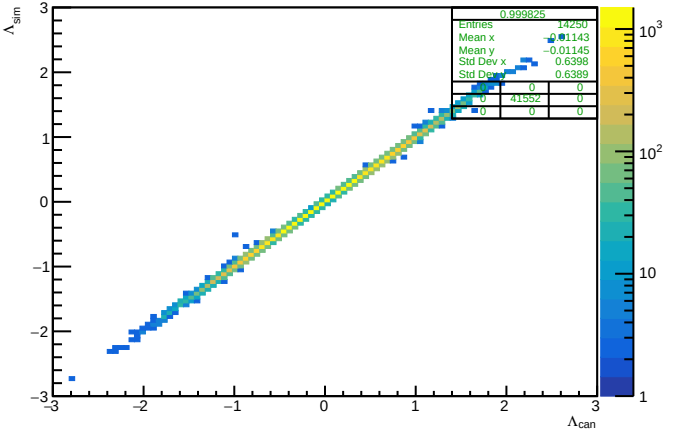

hdifp
dN/dp
5000
4000
3000
2000
1000
0
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
p [GeV/c]
0.95
Entries 41553
Mean 0.003507
Std Dev 0.09334
Underflow 18
Overflow 31
0.98
Entries 41553
Mean 0.003507
Std Dev 0.09334
Underflow 18
Overflow 31
0.99825
Entries 40496
Mean 0.003633
Std Dev 0.09442
Underflow 18.47
Overflow 31.81
0.999825
Entries 14250
Mean 0.008208
Std Dev 0.1302
Underflow 49.68
Overflow 90.59

hcorpx

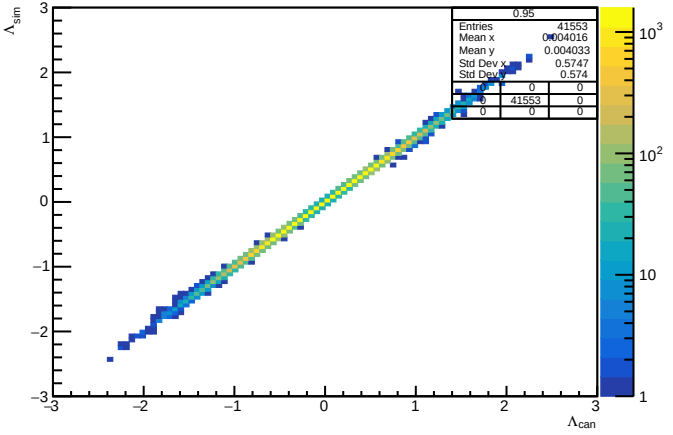

0.95
Entries 41553
Mean x 0.00119
Mean y 0.01184
Std Dev x 0.5733
Std Dev y 0.5729
41553
Λ_{sim}
Λ_{can}

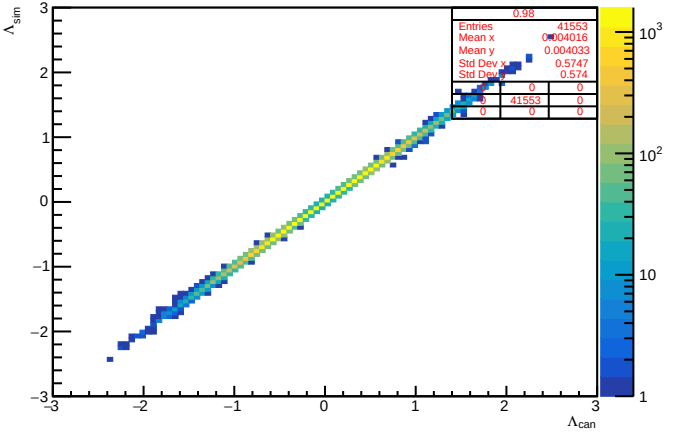

0.98
Entries 41553
Mean x 0.00119
Mean y 0.01184
Std Dev x 0.5733
Std Dev y 0.5729
41553
Λ_{sim}
Λ_{can}

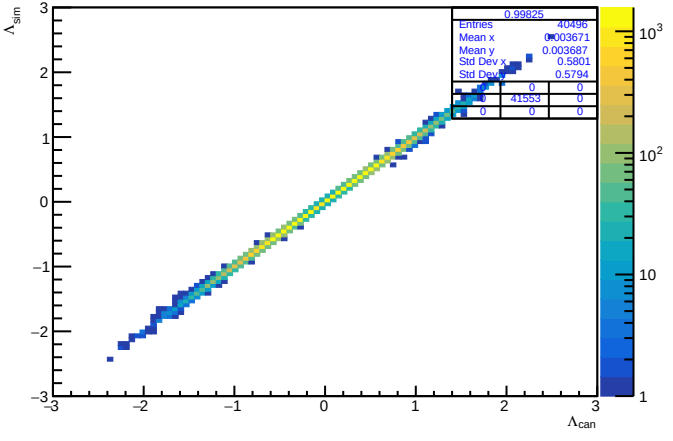

0.99825
Entries 40496
Mean x 0.009307
Mean y 0.009244
Std Dev x 0.5779
Std Dev y 0.5775
41553
Λ_{sim}
Λ_{can}

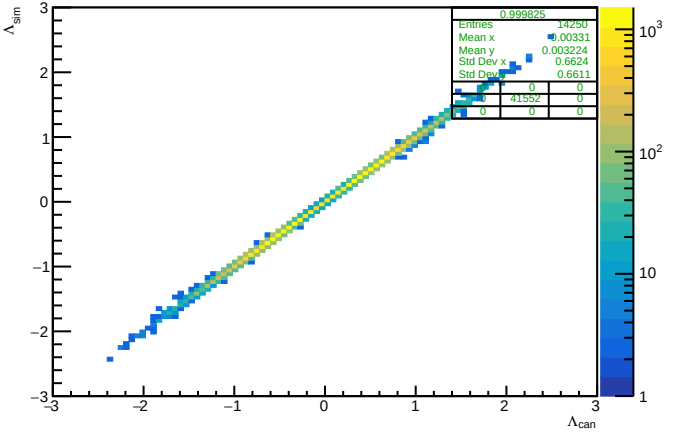

0.999825
Entries 14250
Mean x −0.01143
Mean y −0.01145
Std Dev x 0.6398
Std Dev y 0.6389
41552
Λ_{sim}
Λ_{can}

hcorpy

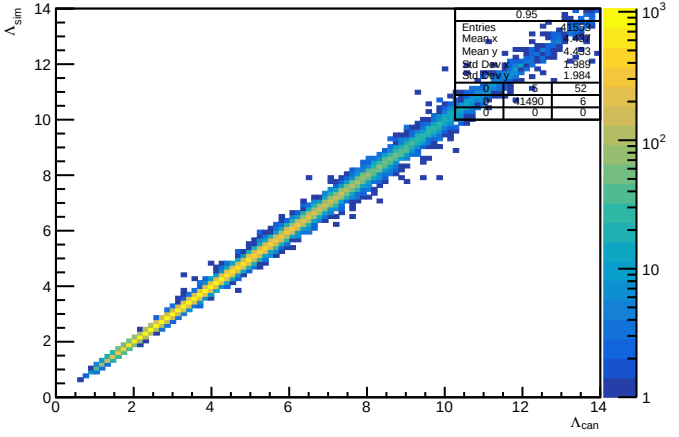

0.95
Entries 41553
Mean x 0.004016
Mean y 0.004033
Std Dev x 0.5747
Std Dev y 0.574
Λ_{sim}
Λ_{can}

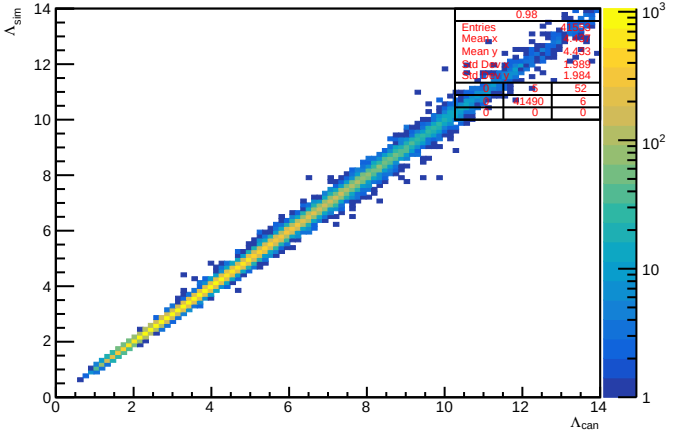

0.98
Entries 41553
Mean x 0.004016
Mean y 0.004033
Std Dev x 0.5747
Std Dev y 0.574
Λ_{sim}
Λ_{can}

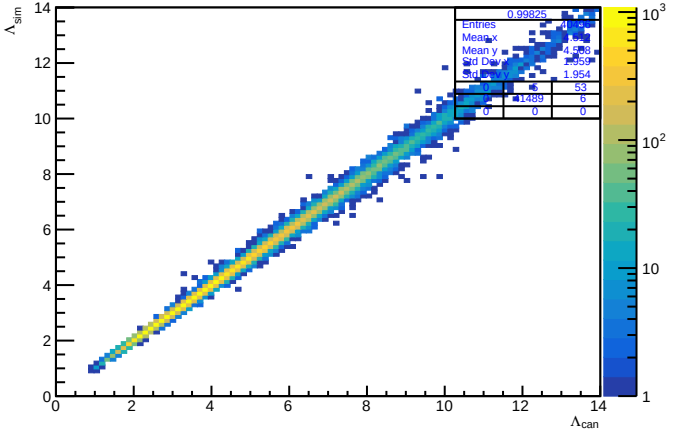

0.99825
Entries 40496
Mean x 0.003671
Mean y 0.003687
Std Dev x 0.5801
Std Dev y 0.5794
Λ_{sim}
Λ_{can}

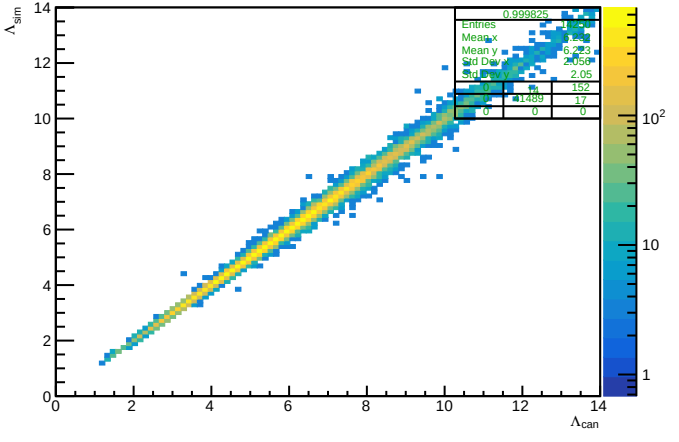

0.999825
Entries 14250
Mean x 0.00331
Mean y 0.003224
Std Dev x 0.6624
Std Dev y 0.6611
Λ_{sim}
Λ_{can}

hcorpz

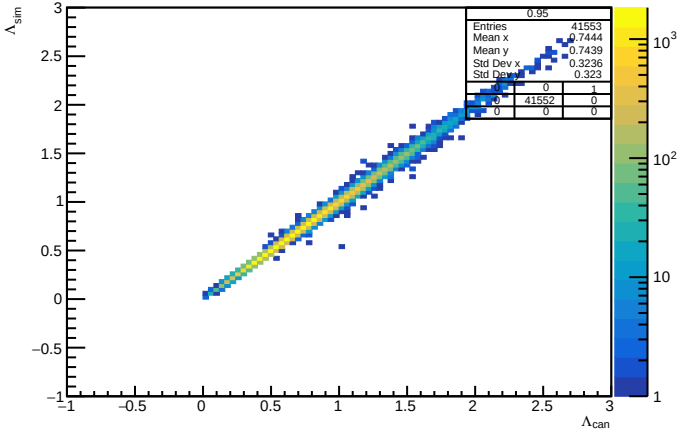

0.95
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

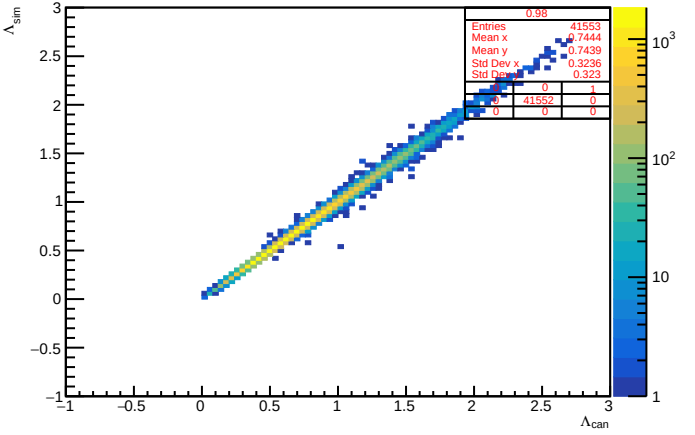

0.98
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

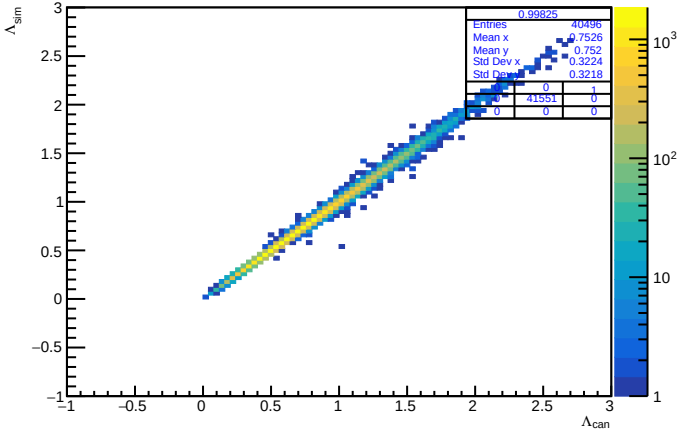

0.99825
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

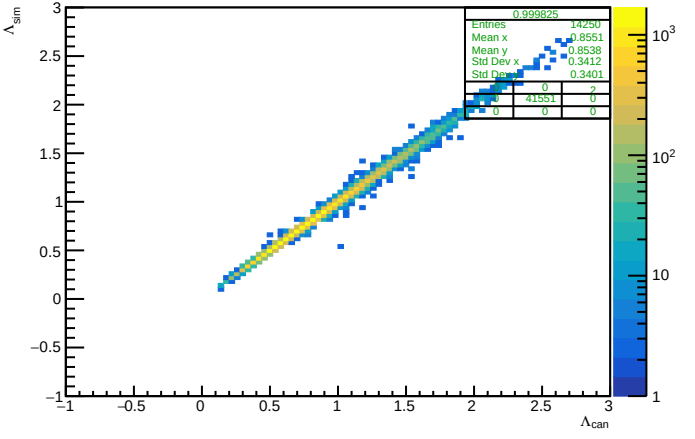

0.999825
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

hcorpt

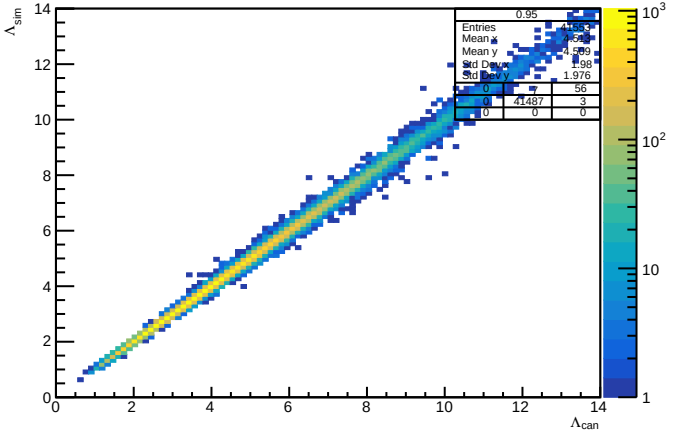

0.95
Entries 41553
Mean x 0.7444
Mean y 0.7439
Std Dev x 0.3236
Std Dev y 0.323
Λ_{sim}
Λ_{can}

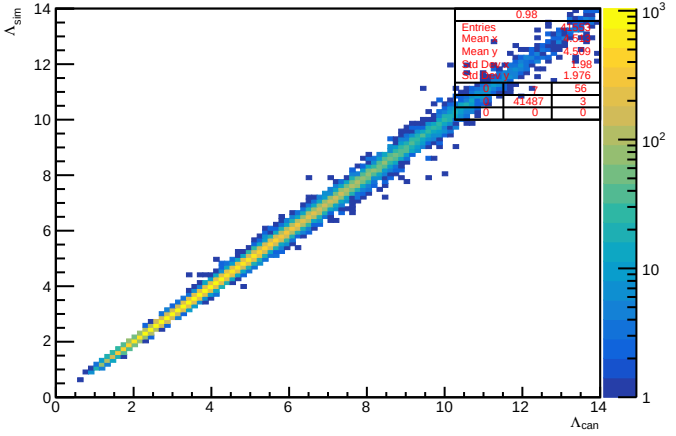

0.98
Entries 41553
Mean x 0.7444
Mean y 0.7439
Std Dev x 0.3236
Std Dev y 0.323
Λ_{sim}
Λ_{can}

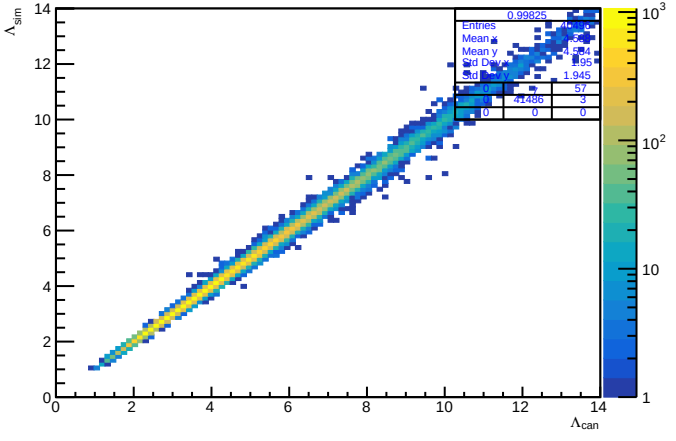

0.99825
Entries 40496
Mean x 0.7526
Mean y 0.752
Std Dev x 0.3224
Std Dev y 0.3218
Λ_{sim}
Λ_{can}

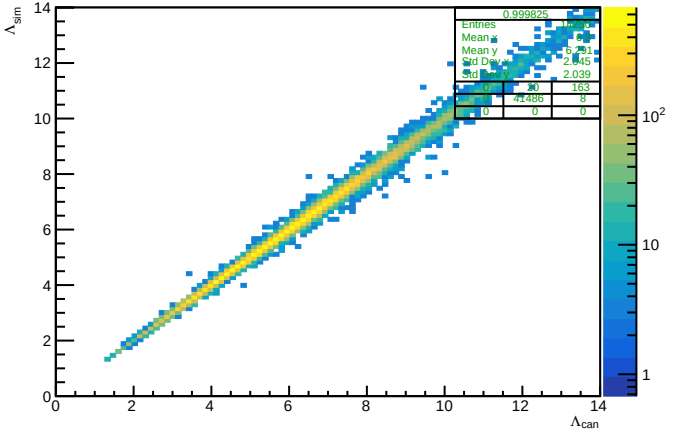

0.999825
Entries 14250
Mean x 0.8551
Mean y 0.8538
Std Dev x 0.3412
Std Dev y 0.3401
Λ_{sim}
Λ_{can}

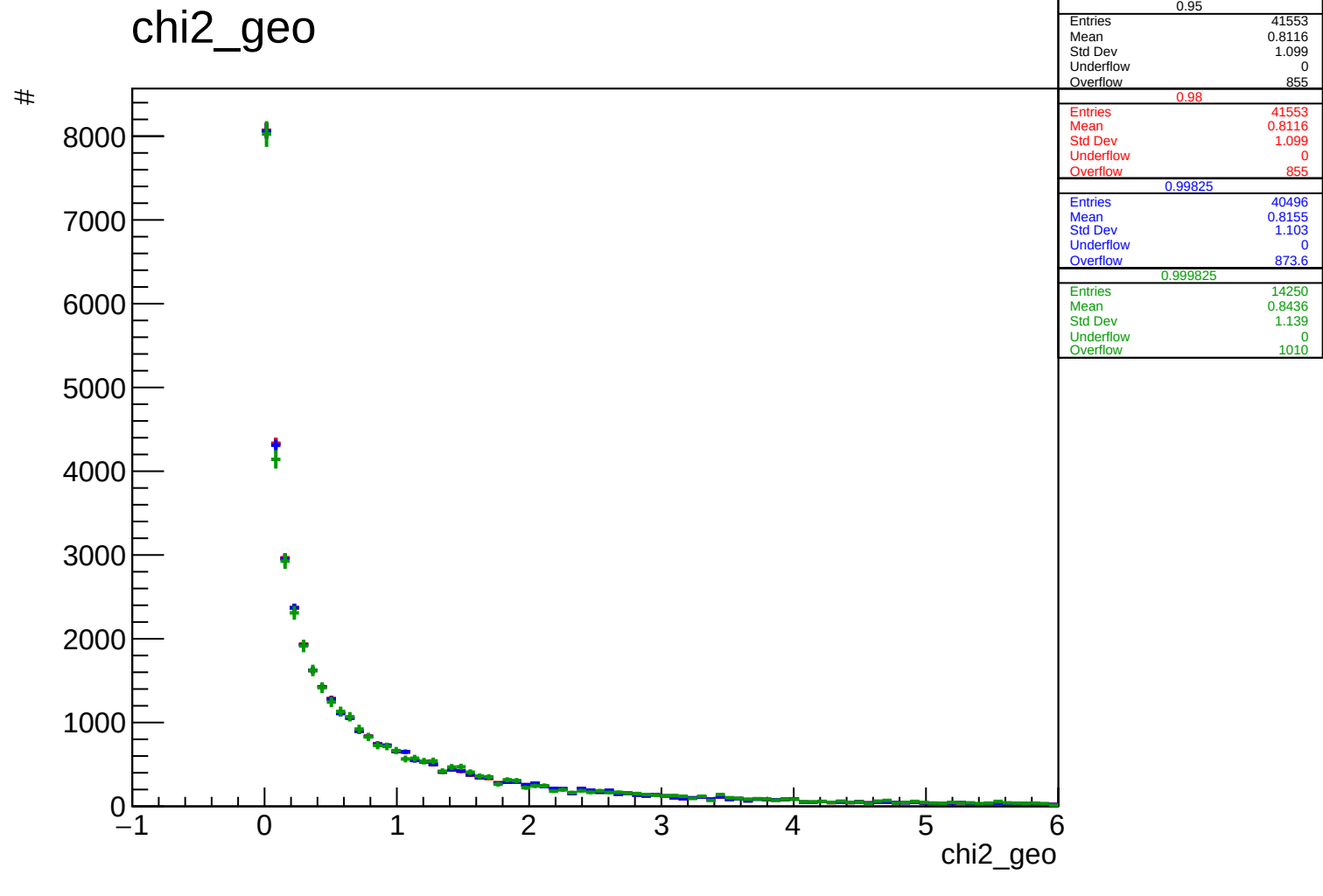
hcorp

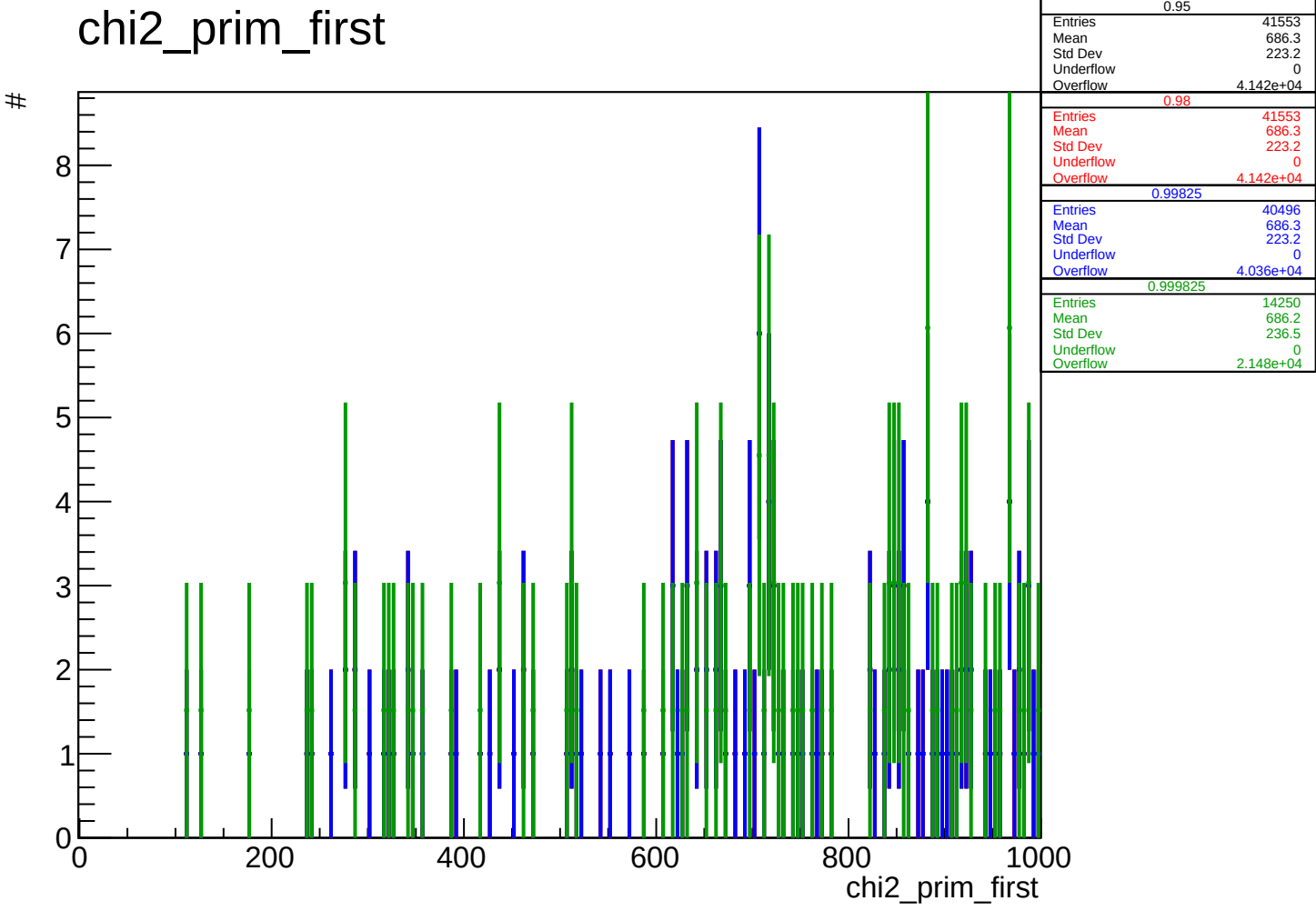

0.95
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

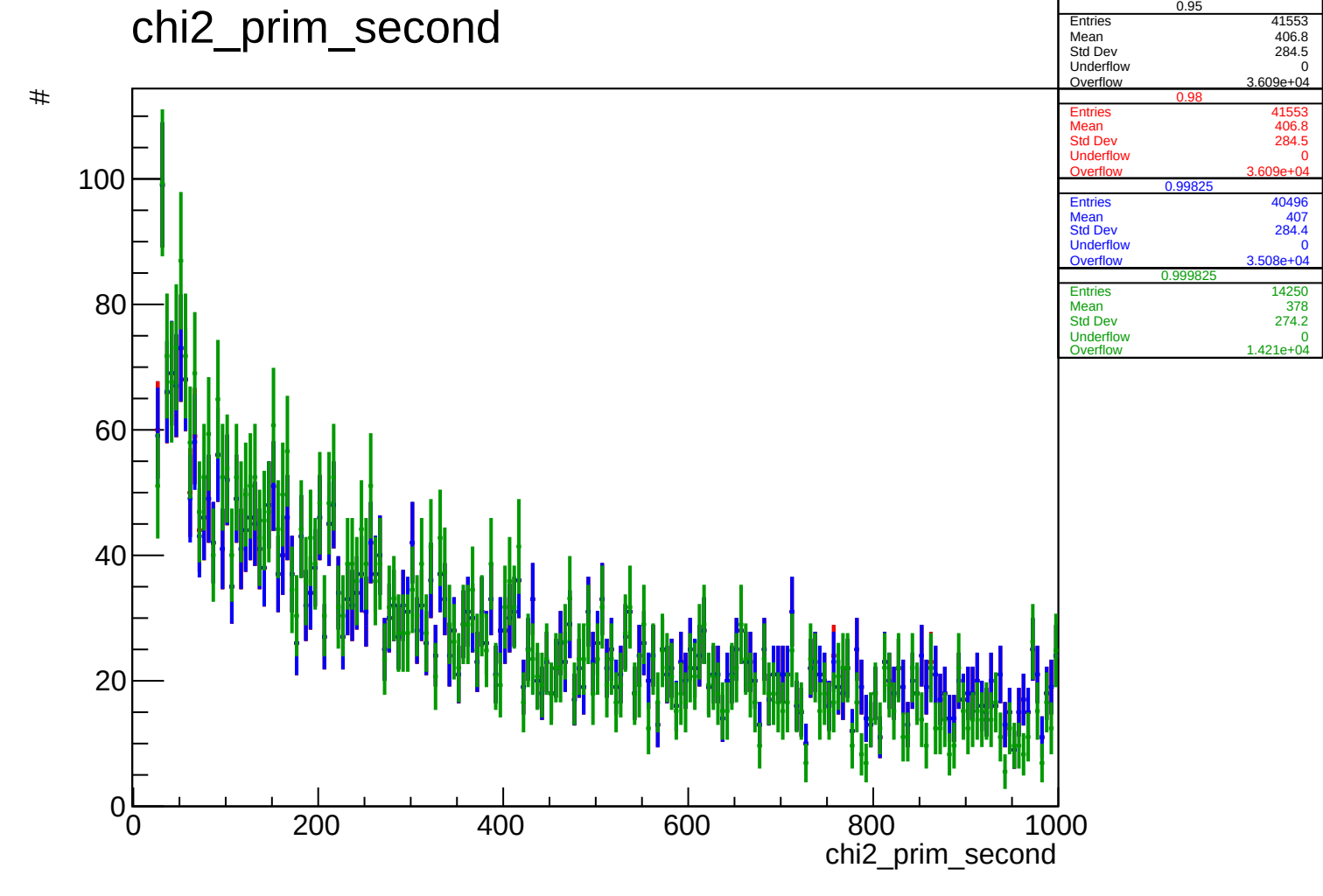

0.98
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

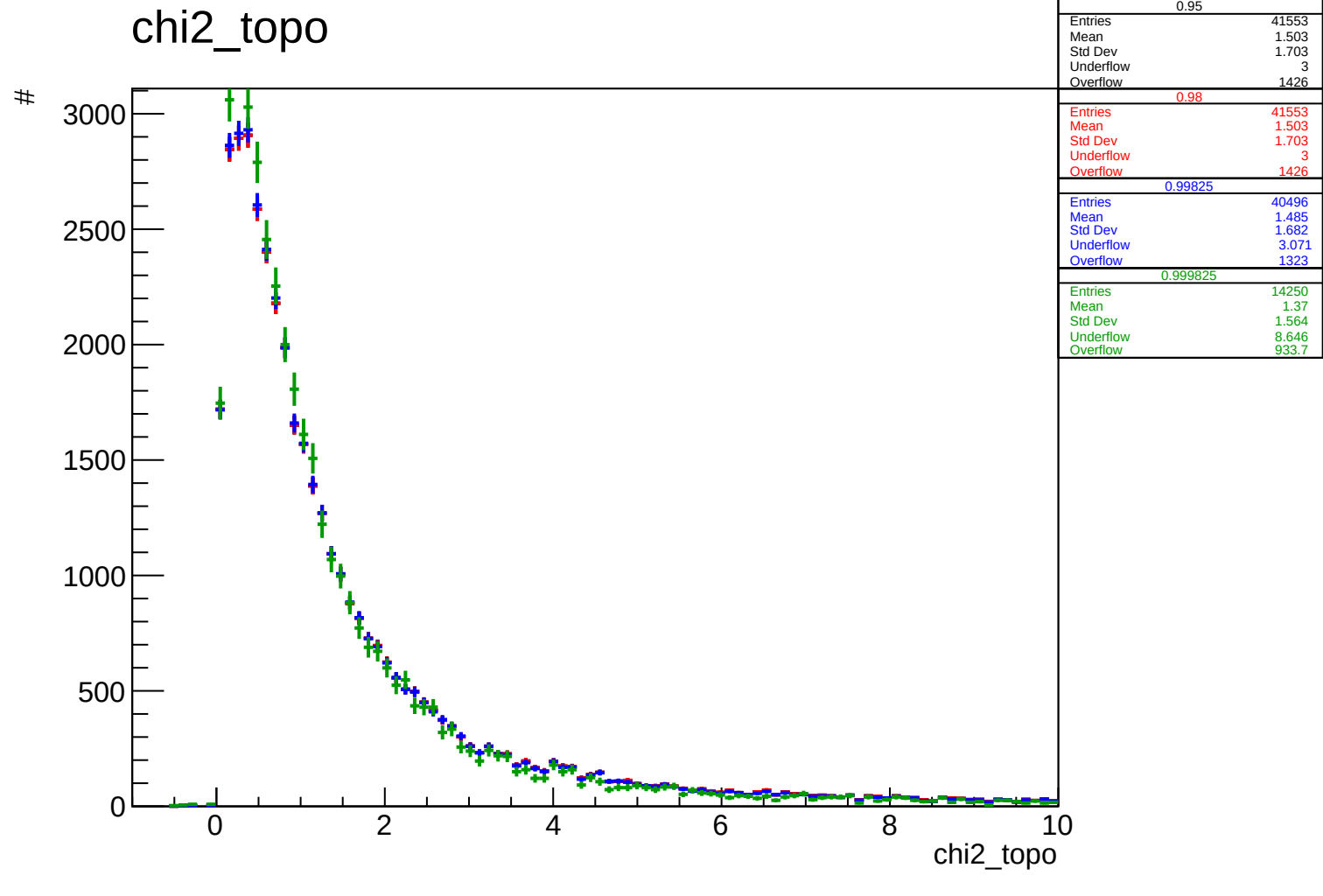

0.99825
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}


0.999825
Entries
Mean x
Mean y
Std Dev x
Std Dev y
Λ_{sim}
Λ_{can}

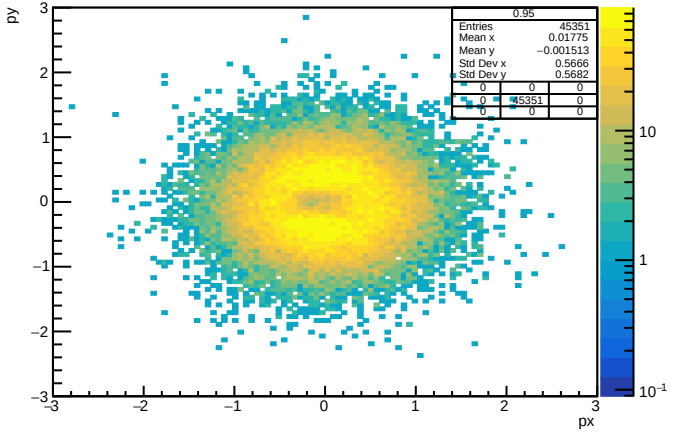

chi2_geo
#
8000
7000
6000
5000
4000
3000
2000
1000
0
−1
0
1
2
3
4
5
6
chi2_geo
0.95
Entries 41553
Mean 0.8116
Std Dev 1.099
Underflow 0
Overflow 855
0.98
Entries 41553
Mean 0.8116
Std Dev 1.099
Underflow 0
Overflow 855
0.99825
Entries 40496
Mean 0.8155
Std Dev 1.103
Underflow 0
Overflow 873.6
0.999825
Entries 14250
Mean 0.8436
Std Dev 1.139
Underflow 0
Overflow 1010

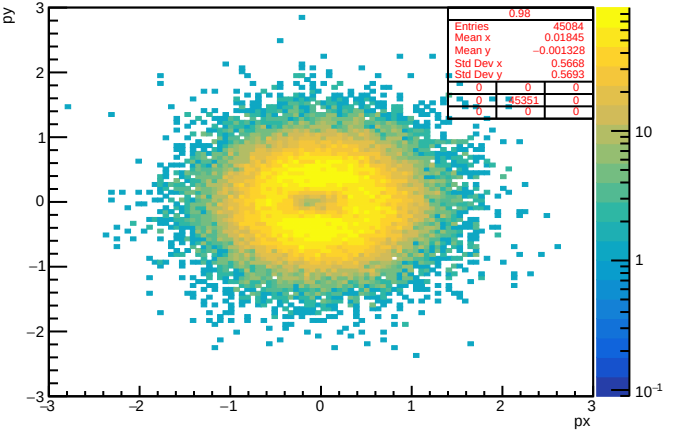

chi2_prim_first
#
0
1
2
3
4
5
6
7
8
0
200
400
600
800
1000
chi2_prim_first
0.95
Entries 41553
Mean 686.3
Std Dev 223.2
Underflow 0
Overflow 4.142e+04
0.98
Entries 41553
Mean 686.3
Std Dev 223.2
Underflow 0
Overflow 4.142e+04
0.99825
Entries 40496
Mean 686.3
Std Dev 223.2
Underflow 0
Overflow 4.036e+04
0.999825
Entries 14250
Mean 686.2
Std Dev 236.5
Underflow 0
Overflow 2.148e+04

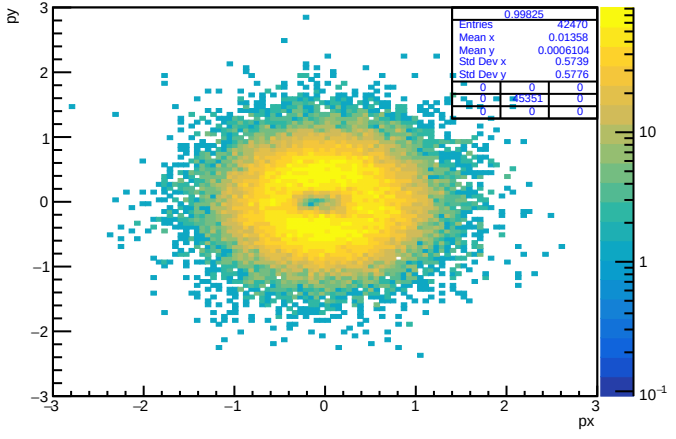

chi2_prim_second
#
0.95
Entries 41553
Mean 406.8
Std Dev 284.5
Underflow 0
Overflow 3.609e+04
0.98
Entries 41553
Mean 406.8
Std Dev 284.5
Underflow 0
Overflow 3.609e+04
0.99825
Entries 40496
Mean 407
Std Dev 284.4
Underflow 0
Overflow 3.508e+04
0.999825
Entries 14250
Mean 378
Std Dev 274.2
Underflow 0
Overflow 1.421e+04
0
20
40
60
80
100
0
200
400
600
800
1000
chi2_prim_second

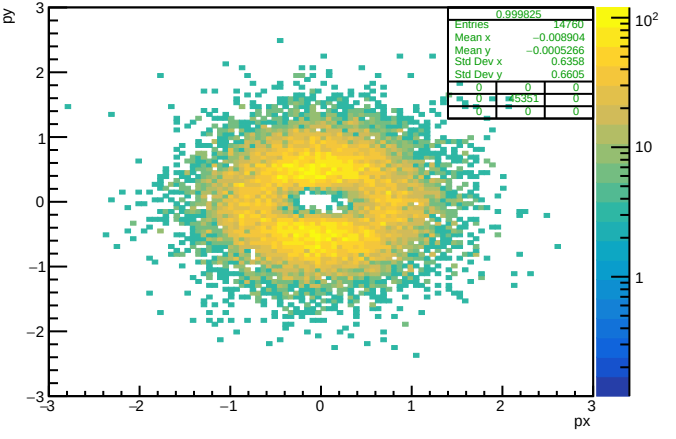

chi2_topo
#
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
chi2_topo
0.95
Entries 41553
Mean 1.503
Std Dev 1.703
Underflow 3
Overflow 1426
0.98
Entries 41553
Mean 1.503
Std Dev 1.703
Underflow 3
Overflow 1426
0.99825
Entries 40496
Mean 1.485
Std Dev 1.682
Underflow 3.071
Overflow 1323
0.999825
Entries 14250
Mean 1.37
Std Dev 1.564
Underflow 8.646
Overflow 933.7

hcorr_px_py

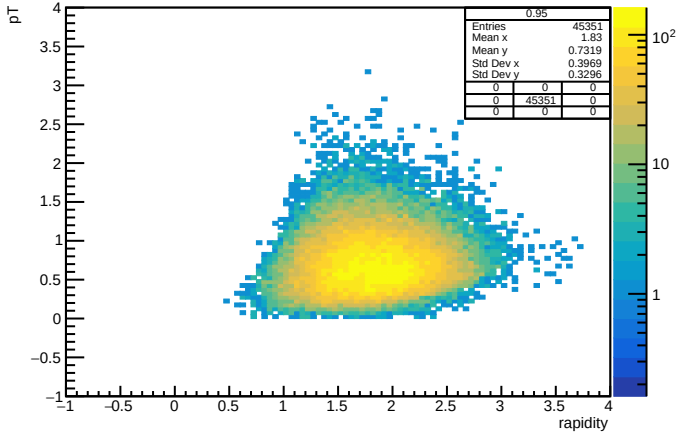

0.95
Entries 45351
Mean x 0.01775
Mean y −0.001513
Std Dev x 0.5666
Std Dev y 0.5682
px
py

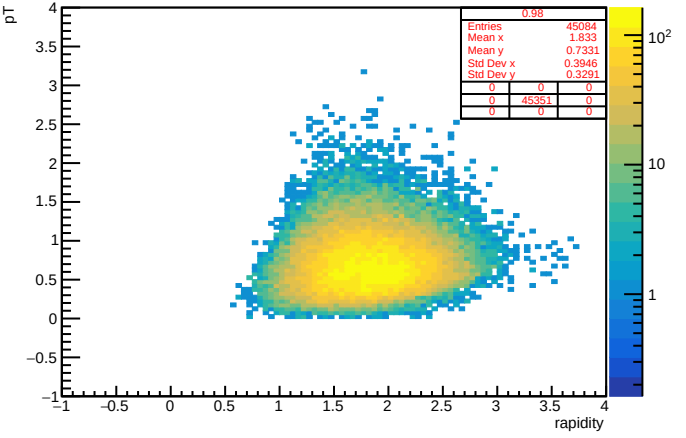

0.98
Entries 45084
Mean x 0.01845
Mean y −0.001328
Std Dev x 0.5668
Std Dev y 0.5693
px
py

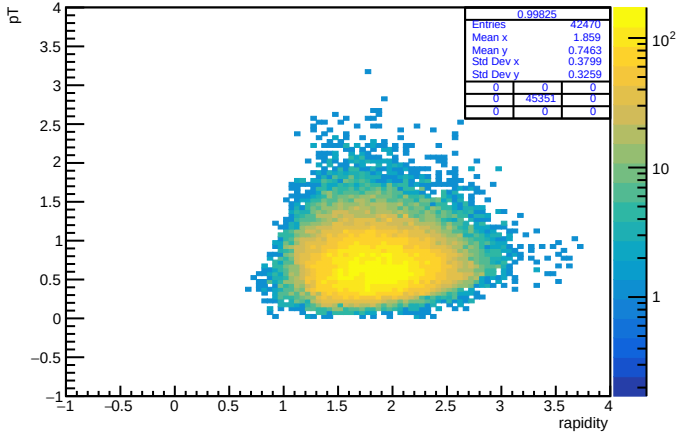

0.99825
Entries 42470
Mean x 0.01358
Mean y 0.0006104
Std Dev x 0.5739
Std Dev y 0.5776
px
py

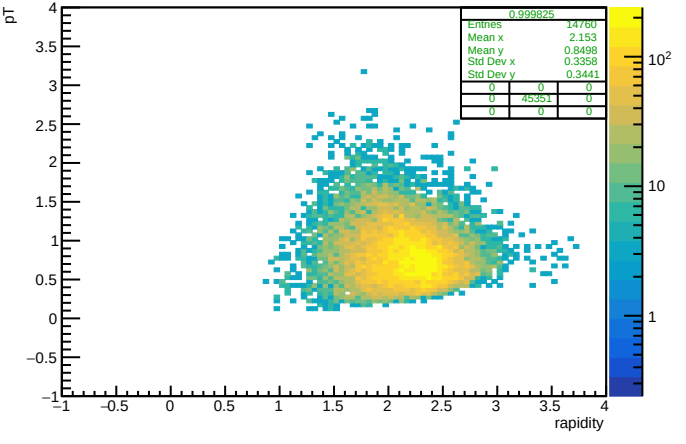

0.999825
Entries 14760
Mean x −0.008904
Mean y −0.0005266
Std Dev x 0.6358
Std Dev y 0.6605
px
py

hcorr_rap_pt

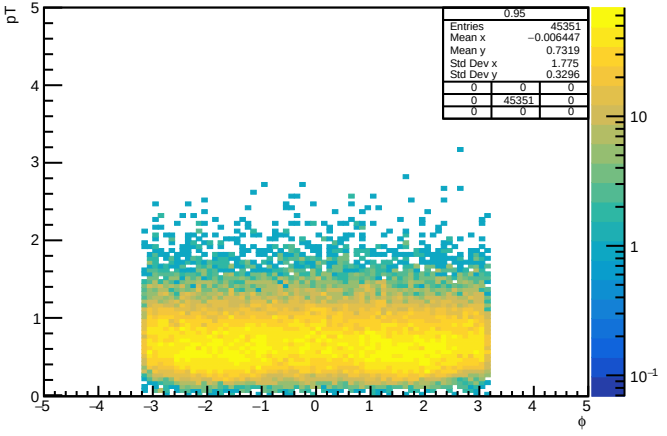

0.95
Entries 45351
Mean x 1.83
Mean y 0.7319
Std Dev x 0.3969
Std Dev y 0.3296
pT
rapidity

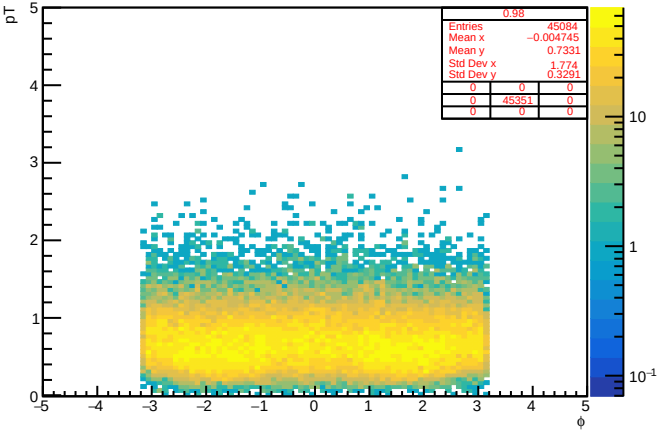

0.98
Entries 45084
Mean x 1.833
Mean y 0.7331
Std Dev x 0.3946
Std Dev y 0.3291
pT
rapidity

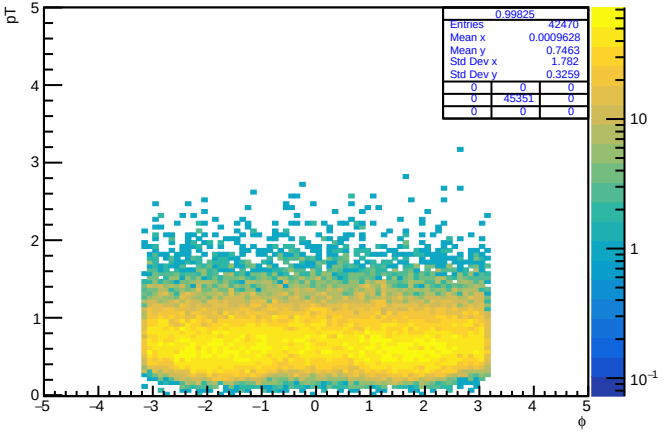

0.99825
Entries 42470
Mean x 1.859
Mean y 0.7463
Std Dev x 0.3799
Std Dev y 0.3259
pT
rapidity

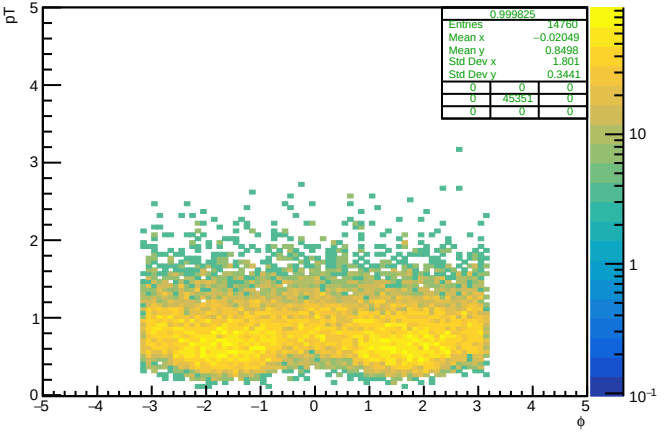

0.999825
Entries 14760
Mean x 2.153
Mean y 0.8498
Std Dev x 0.3358
Std Dev y 0.3441
pT
rapidity

hcorr_phi_pt

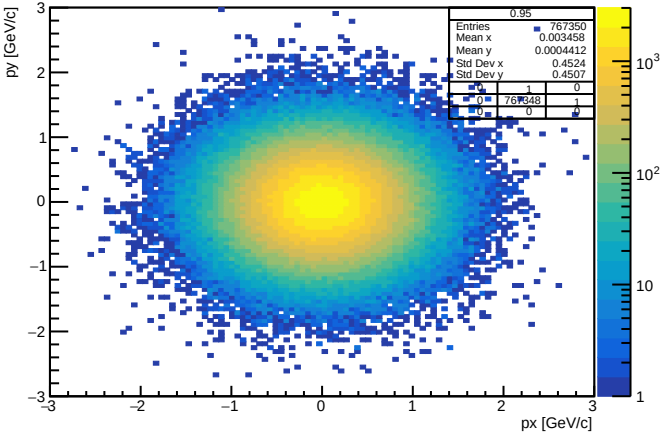

0.95
Entries 45351
Mean x −0.006447
Mean y 0.7319
Std Dev x 1.775
Std Dev y 0.3296
pT
ϕ

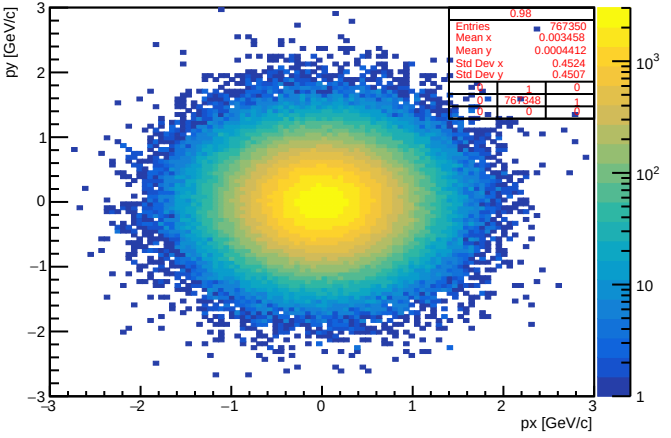

0.98
Entries 45084
Mean x −0.004745
Mean y 0.7331
Std Dev x 1.774
Std Dev y 0.3291
pT
ϕ

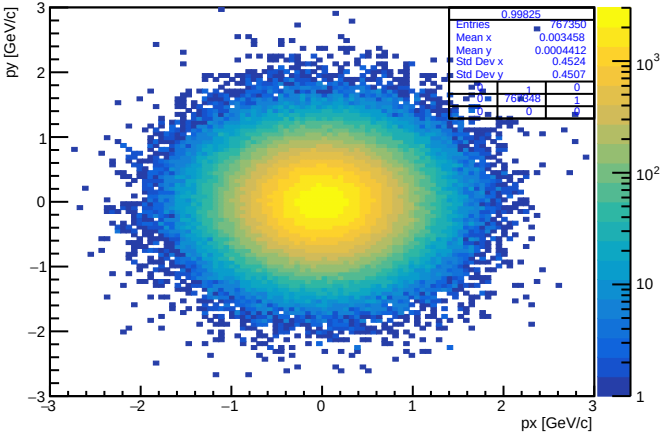

0.99825
Entries 42470
Mean x 0.0009628
Mean y 0.7463
Std Dev x 1.782
Std Dev y 0.3259
pT
ϕ

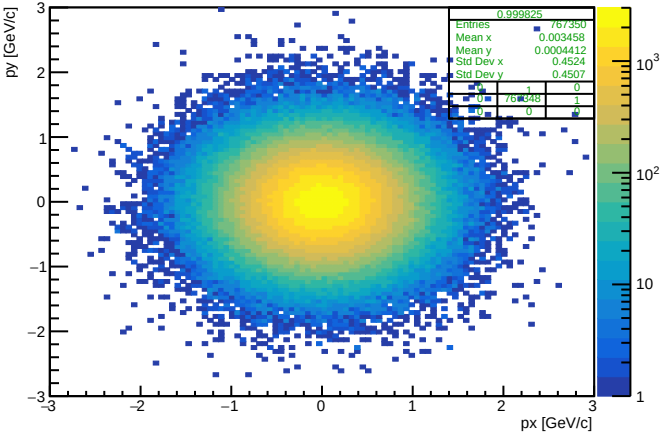

0.999825
Entries 14760
Mean x −0.02049
Mean y 0.8498
Std Dev x 1.801
Std Dev y 0.3441
pT
ϕ

hcors_px_py

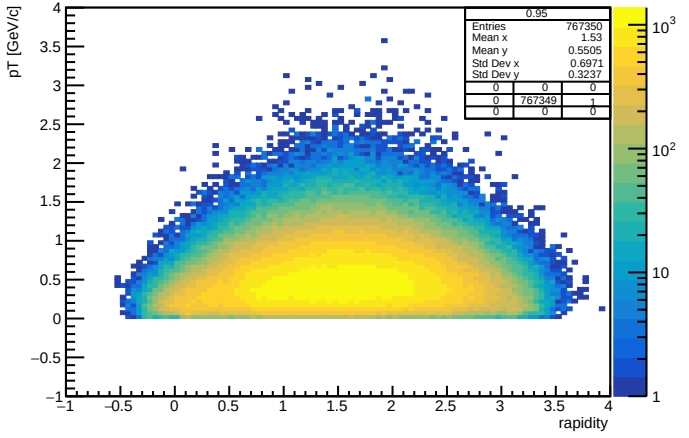

0.95
Entries 767350
Mean x 0.003458
Mean y 0.0004412
Std Dev x 0.4524
Std Dev y 0.4507
py [GeV/c]
px [GeV/c]

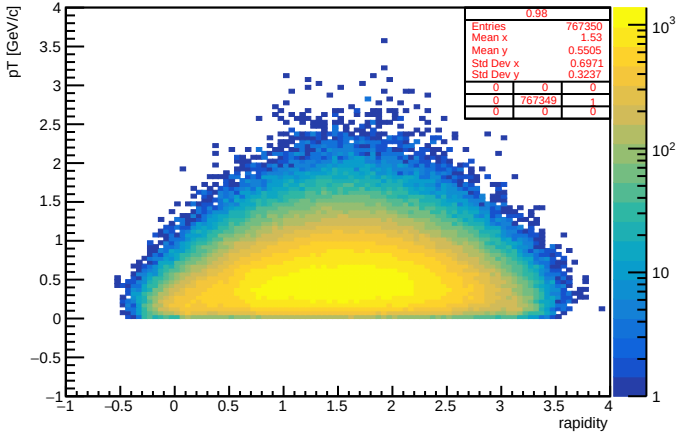

0.98
Entries 767350
Mean x 0.003458
Mean y 0.0004412
Std Dev x 0.4524
Std Dev y 0.4507
py [GeV/c]
px [GeV/c]

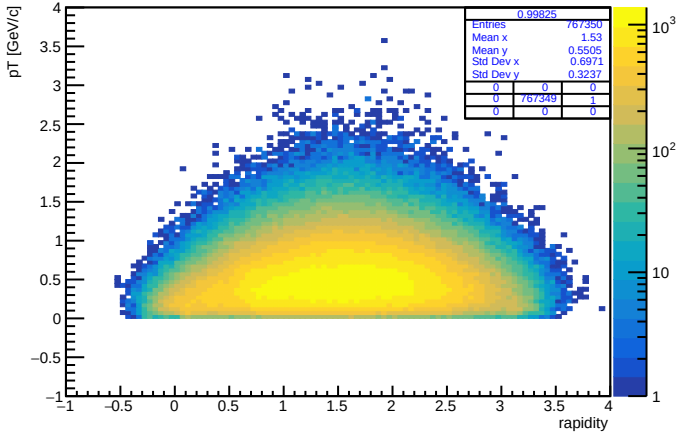

0.99825
Entries 767350
Mean x 0.003458
Mean y 0.0004412
Std Dev x 0.4524
Std Dev y 0.4507
py [GeV/c]
px [GeV/c]

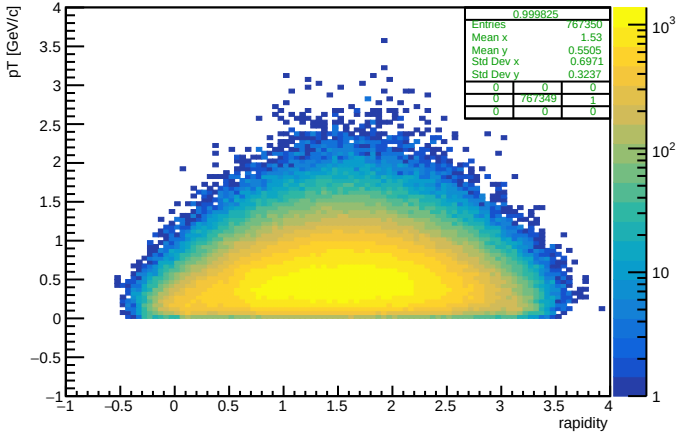

0.999825
Entries 767350
Mean x 0.003458
Mean y 0.0004412
Std Dev x 0.4524
Std Dev y 0.4507
py [GeV/c]
px [GeV/c]

hcors_rap_pt

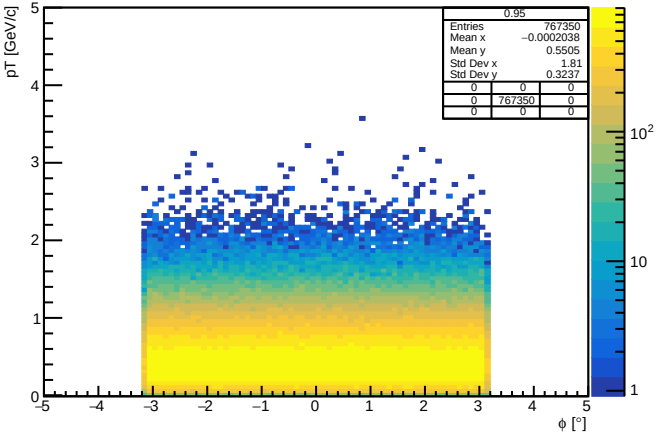

0.95
Entries 767350
Mean x 1.53
Mean y 0.5505
Std Dev x 0.6971
Std Dev y 0.3237
pT [GeV/c]
rapidity

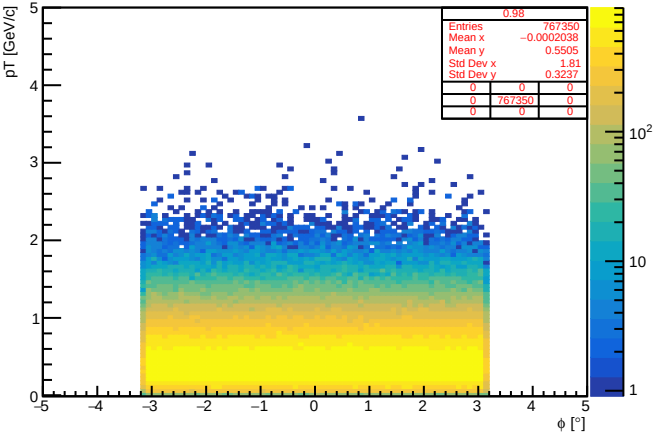

0.98
Entries 767350
Mean x 1.53
Mean y 0.5505
Std Dev x 0.6971
Std Dev y 0.3237
pT [GeV/c]
rapidity

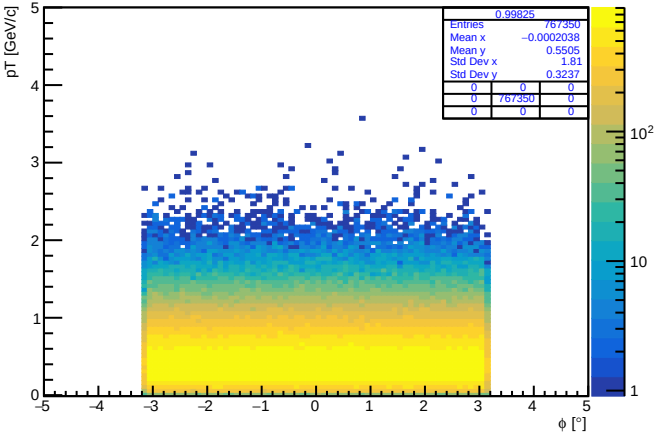

0.99825
Entries 767350
Mean x 1.53
Mean y 0.5505
Std Dev x 0.6971
Std Dev y 0.3237
pT [GeV/c]
rapidity

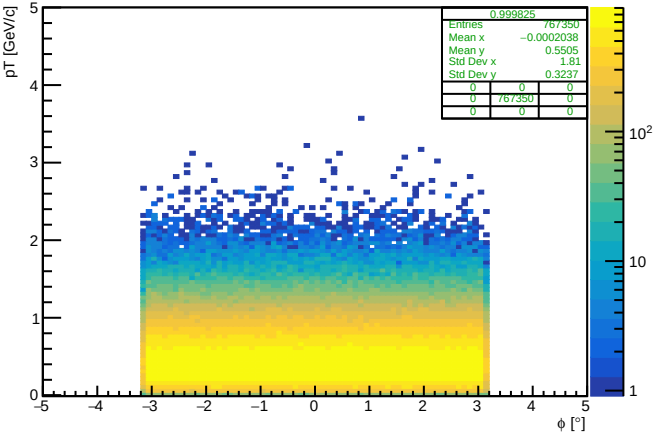

0.999825
Entries 767350
Mean x 1.53
Mean y 0.5505
Std Dev x 0.6971
Std Dev y 0.3237
pT [GeV/c]
rapidity

hcors_phi_pt

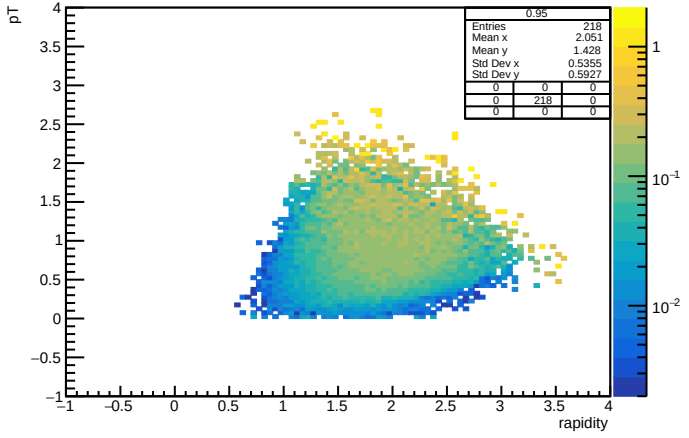

0.95
Entries 767350
Mean x −0.0002038
Mean y 0.5505
Std Dev x 1.81
Std Dev y 0.3237
pT [GeV/c]
ϕ [°]

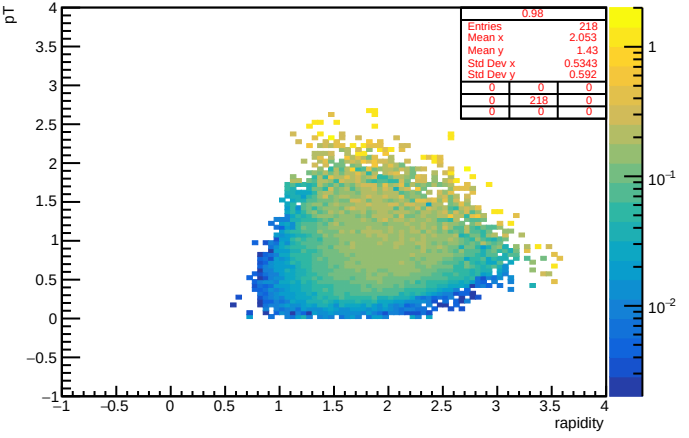

0.98
Entries 767350
Mean x −0.0002038
Mean y 0.5505
Std Dev x 1.81
Std Dev y 0.3237
pT [GeV/c]
ϕ [°]

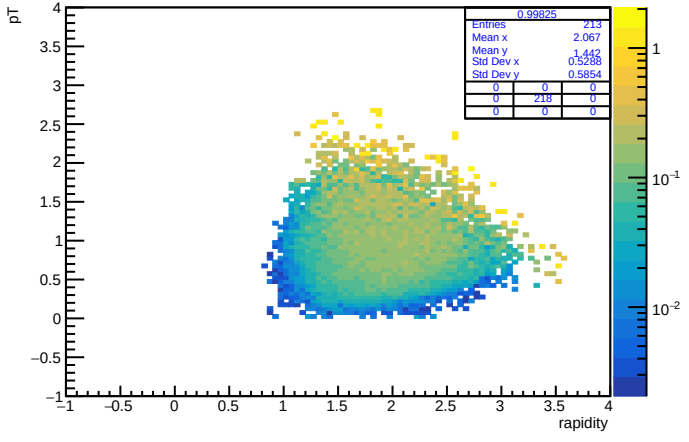

0.99825
Entries 767350
Mean x −0.0002038
Mean y 0.5505
Std Dev x 1.81
Std Dev y 0.3237
pT [GeV/c]
ϕ [°]

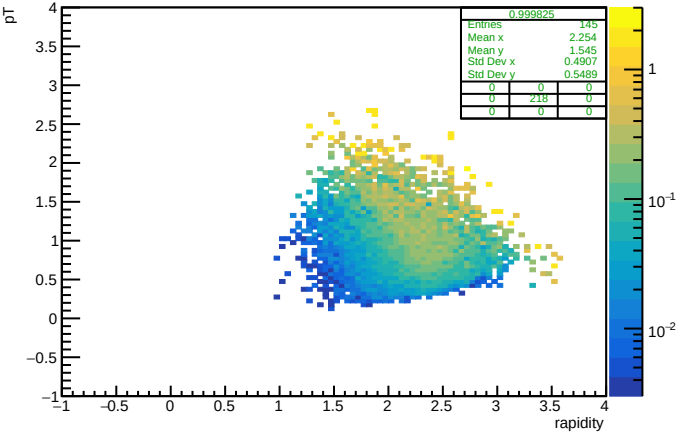

0.999825
Entries 767350
Mean x −0.0002038
Mean y 0.5505
Std Dev x 1.81
Std Dev y 0.3237
pT [GeV/c]
ϕ [°]

hcord_rap_pt

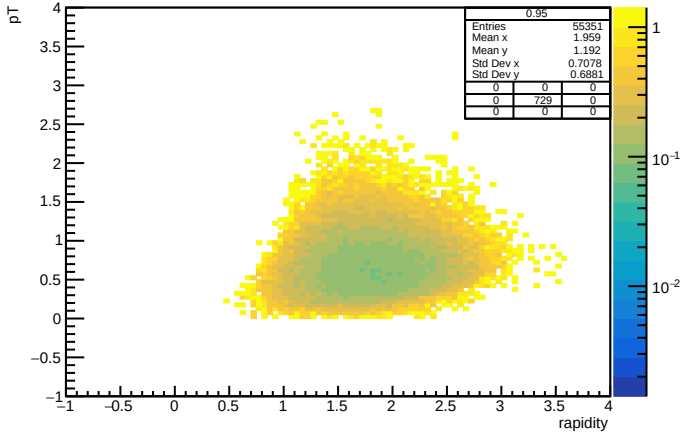

0.95
Entries 218
Mean x 2.051
Mean y 1.428
Std Dev x 0.5355
Std Dev y 0.5927
pT
rapidity

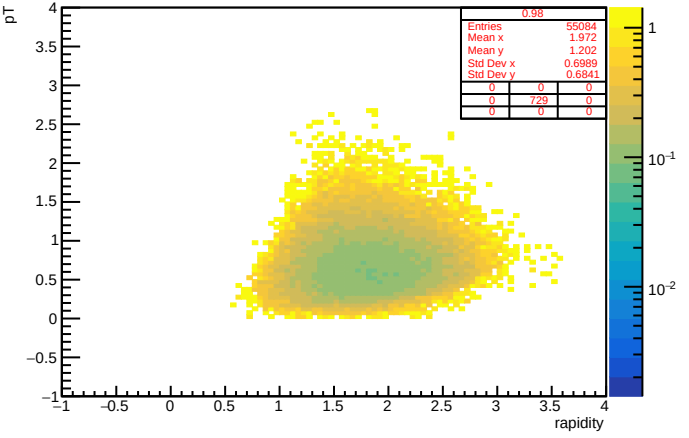

0.98
Entries 218
Mean x 2.053
Mean y 1.43
Std Dev x 0.5343
Std Dev y 0.592
pT
rapidity

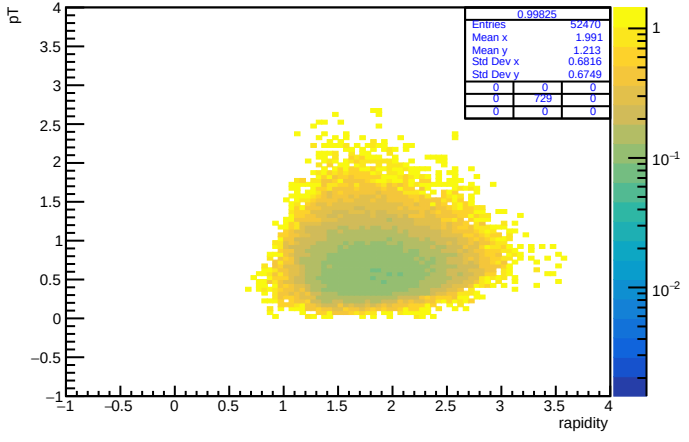

0.99825
Entries 213
Mean x 2.067
Mean y 1.442
Std Dev x 0.5288
Std Dev y 0.5854
pT
rapidity

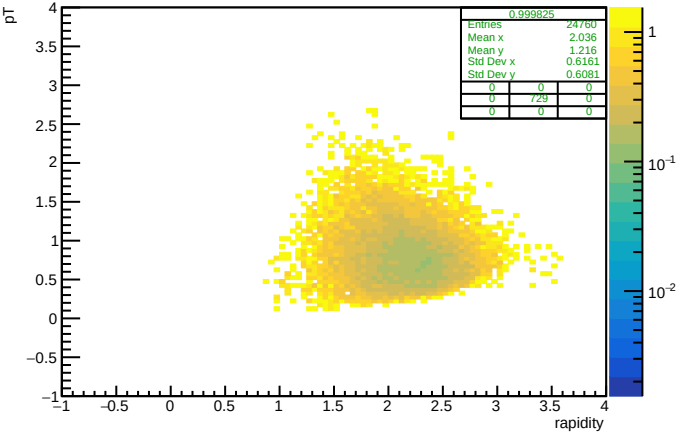

0.999825
Entries 145
Mean x 2.254
Mean y 1.545
Std Dev x 0.4907
Std Dev y 0.5489
pT
rapidity

hcordr_rap_pt

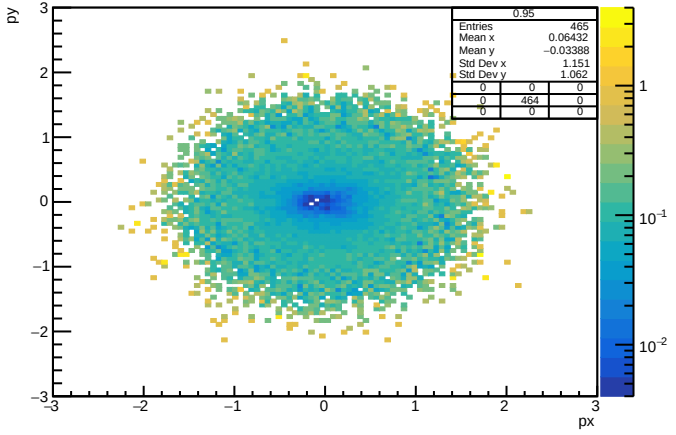


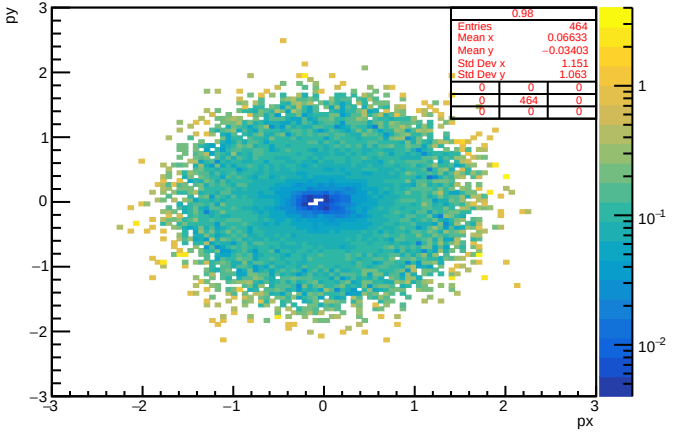


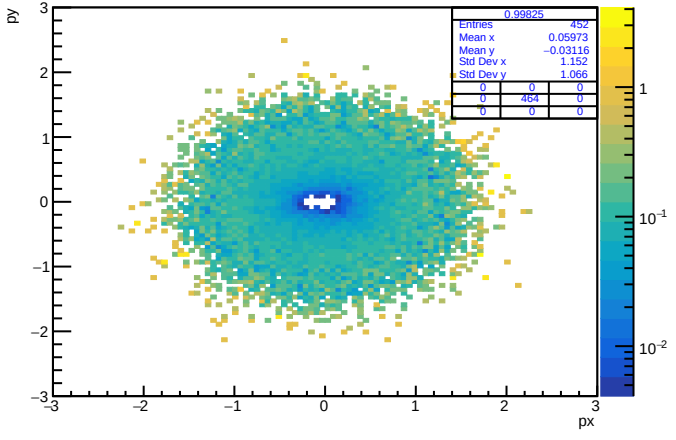


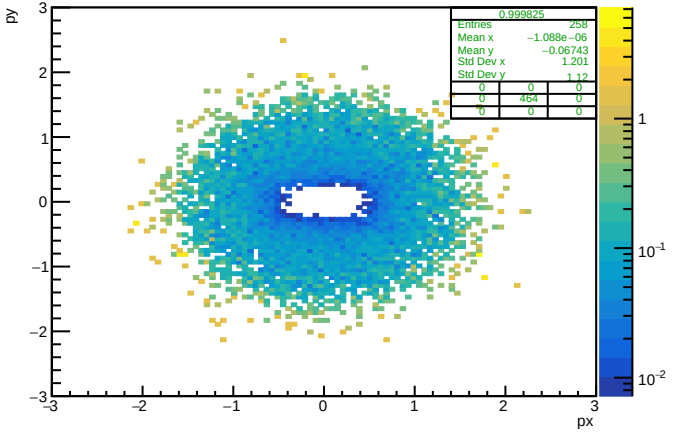


hcord_px_py

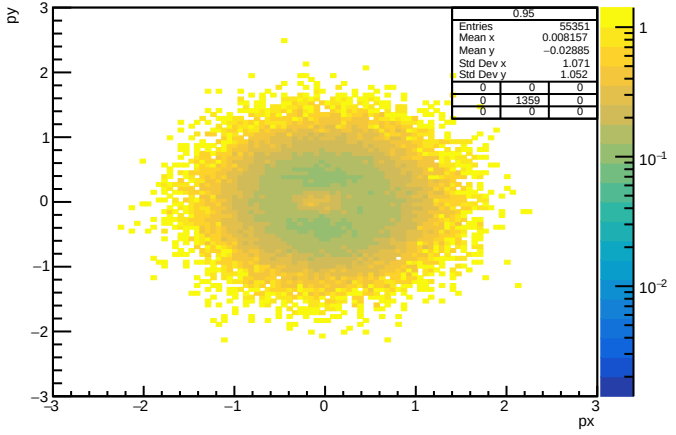

0.95
Entries 465
Mean x 0.06432
Mean y −0.03388
Std Dev x 1.151
Std Dev y 1.062
py
px

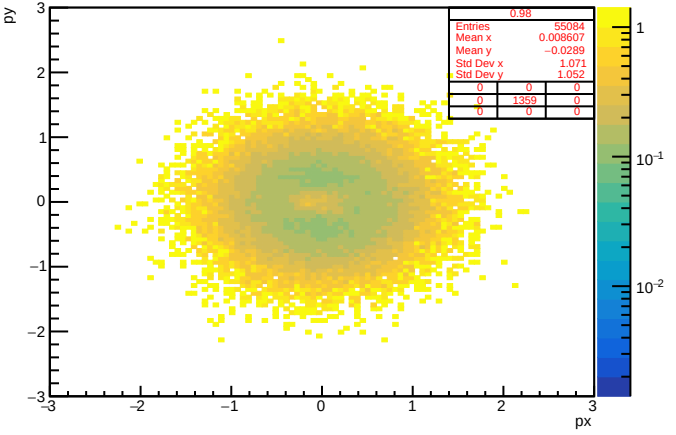

0.98
Entries 464
Mean x 0.06633
Mean y −0.03403
Std Dev x 1.151
Std Dev y 1.063
py
px

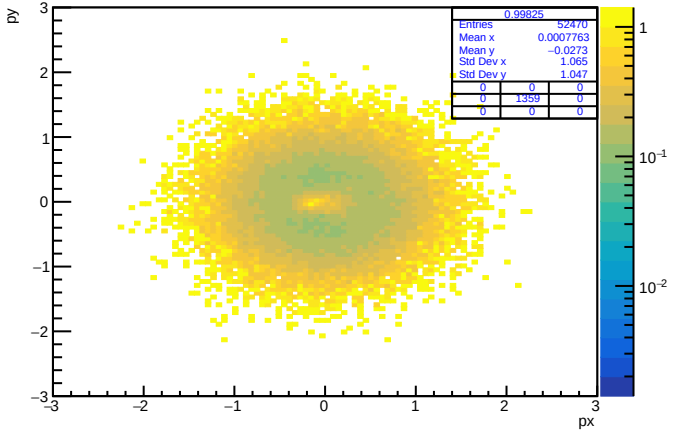

0.99825
Entries 452
Mean x 0.05973
Mean y −0.03116
Std Dev x 1.152
Std Dev y 1.066
py
px

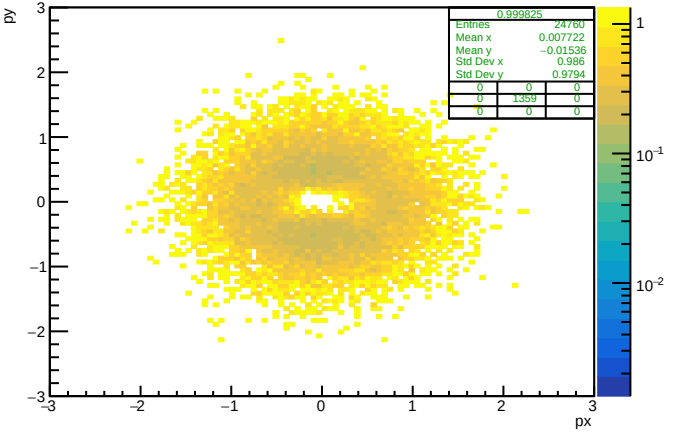

0.999825
Entries 258
Mean x −1.088e−06
Mean y −0.06743
Std Dev x 1.201
Std Dev y 1.12
py
px

hcordr_px_py

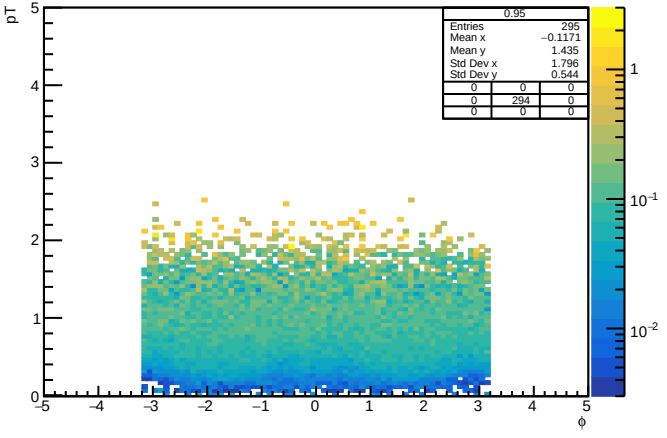

0.95
Entries 55351
Mean x 0.008157
Mean y −0.02885
Std Dev x 1.071
Std Dev y 1.052
py
px

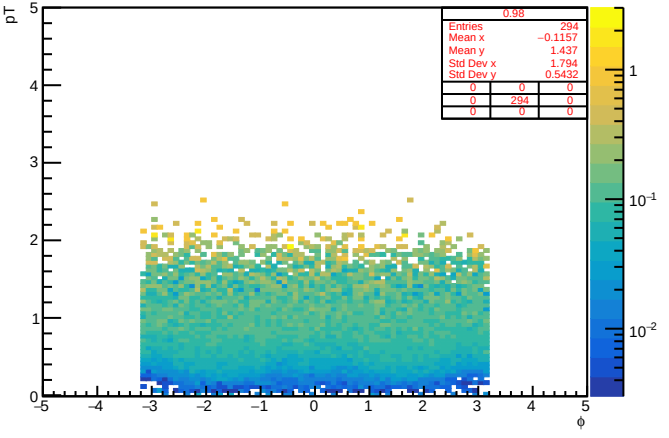

0.98
Entries 55084
Mean x 0.008607
Mean y −0.0289
Std Dev x 1.071
Std Dev y 1.052
py
px

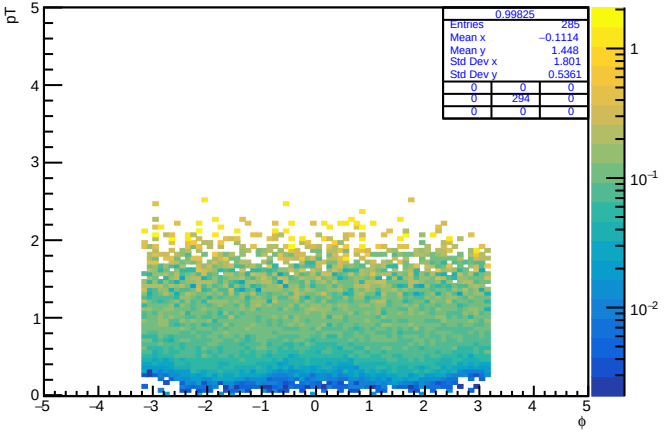

0.99825
Entries 52470
Mean x 0.0007763
Mean y −0.0273
Std Dev x 1.065
Std Dev y 1.047
py
px

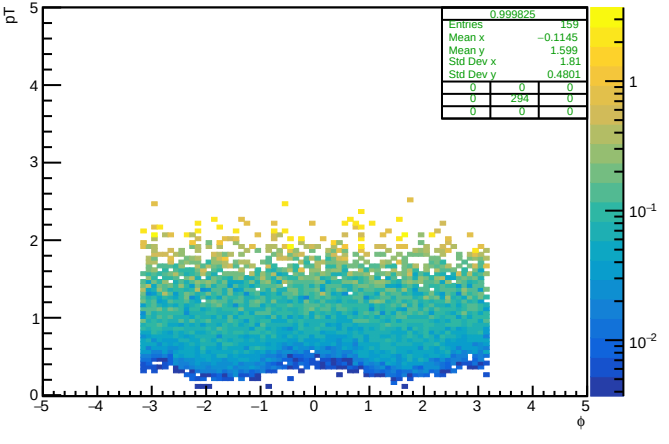

0.999825
Entries 24760
Mean x 0.007722
Mean y −0.01536
Std Dev x 0.986
Std Dev y 0.9794
py
px

hcord_rphi_pt

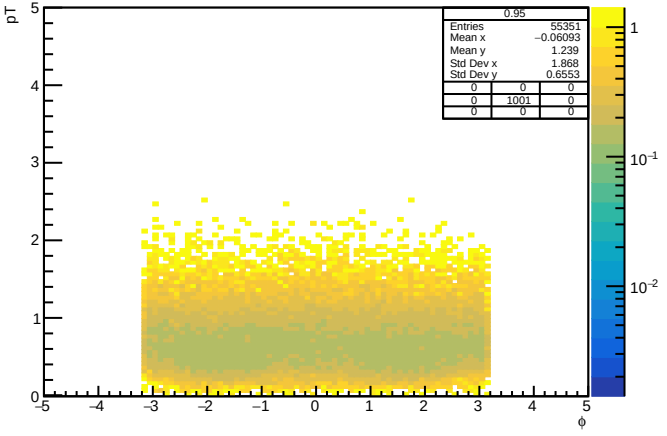


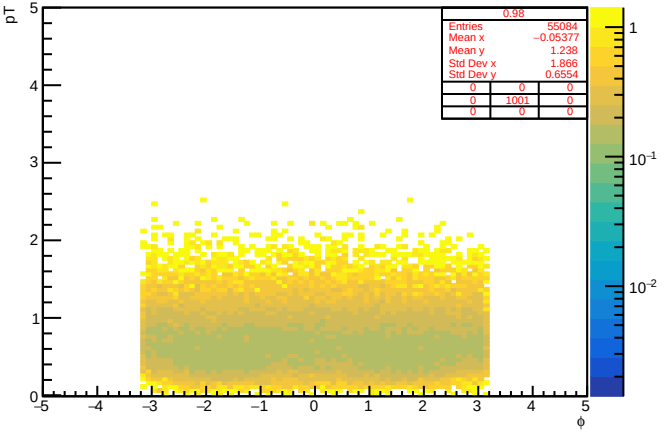


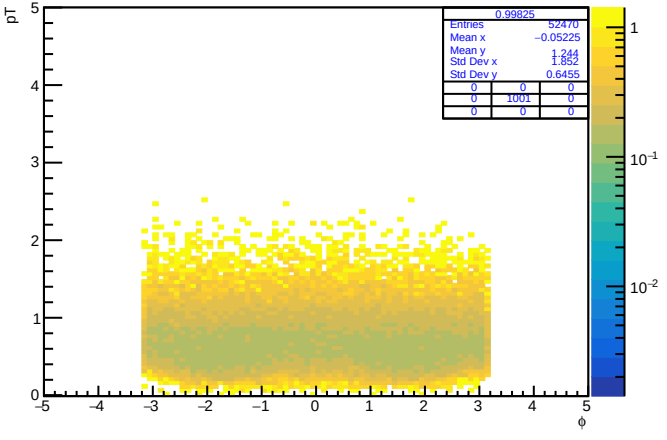


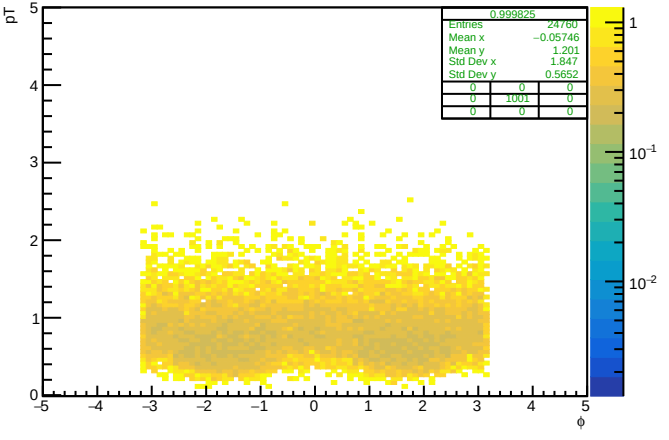


hcordr_phi_pt









Comparing folder / of files:
comparison/0.95.root (0.95)
comparison/0.98.root (0.98)
comparison/0.99825.root (0.99825)
comparison/0.999825.root (0.999825)

The end!