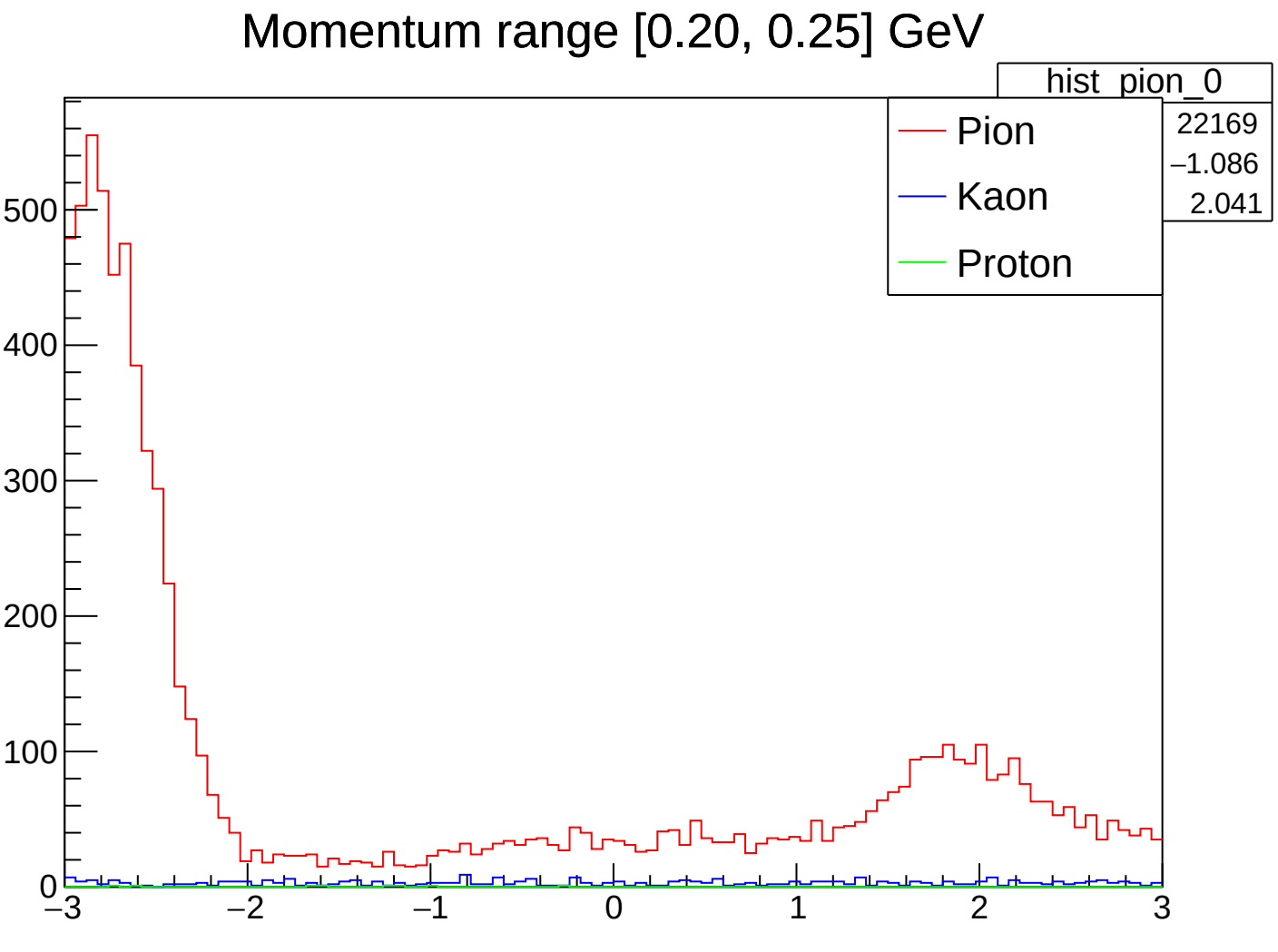
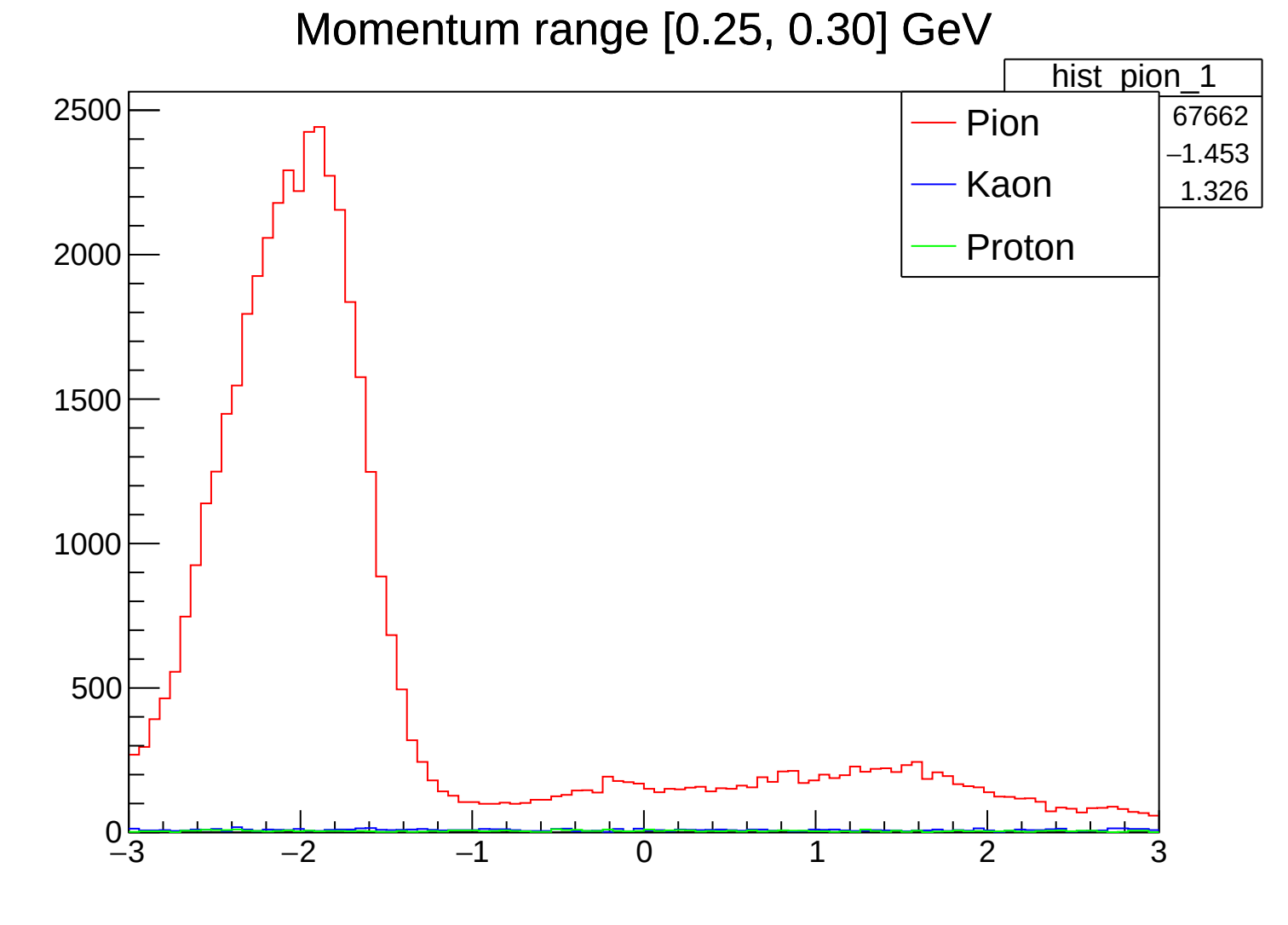
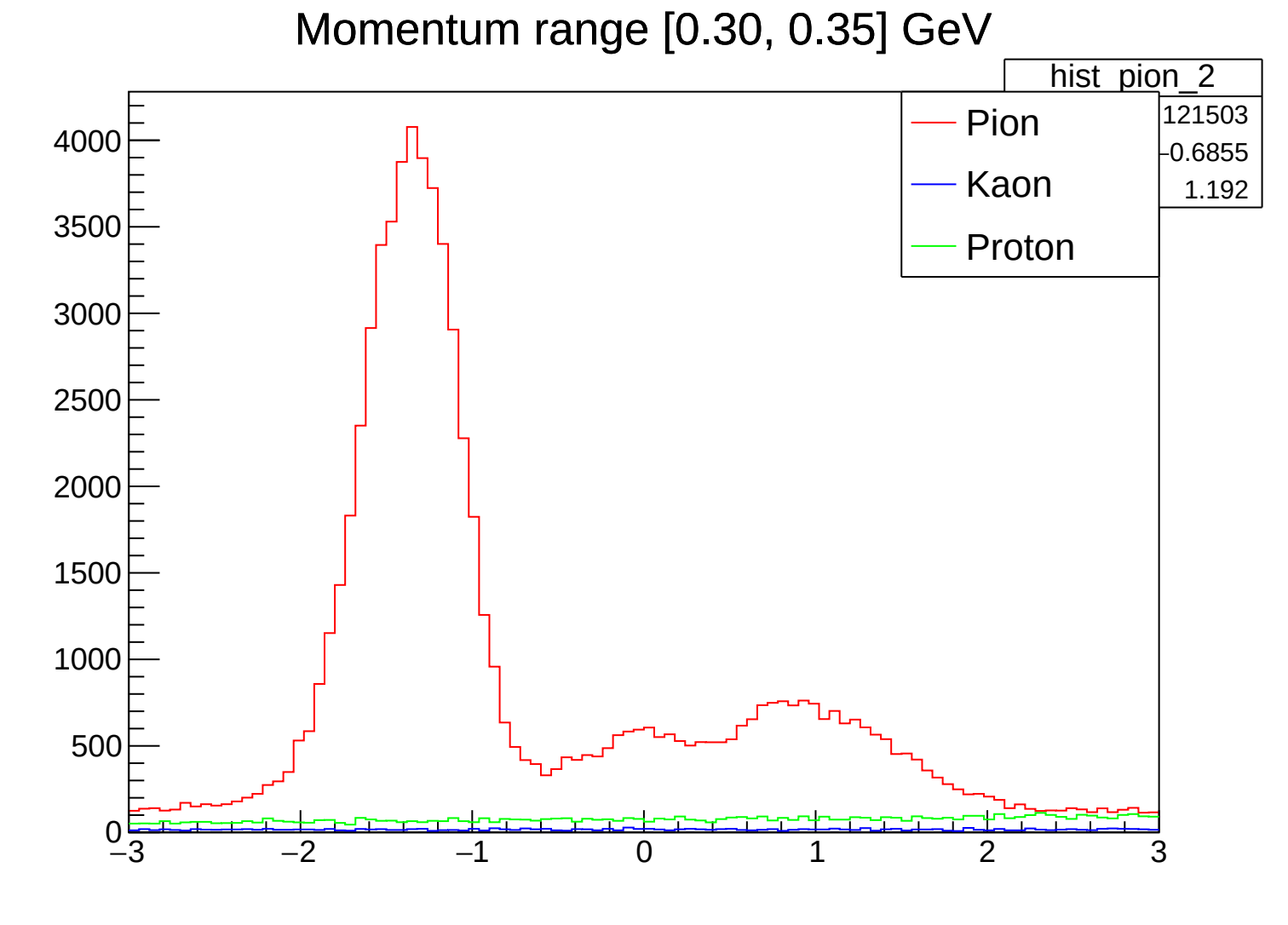
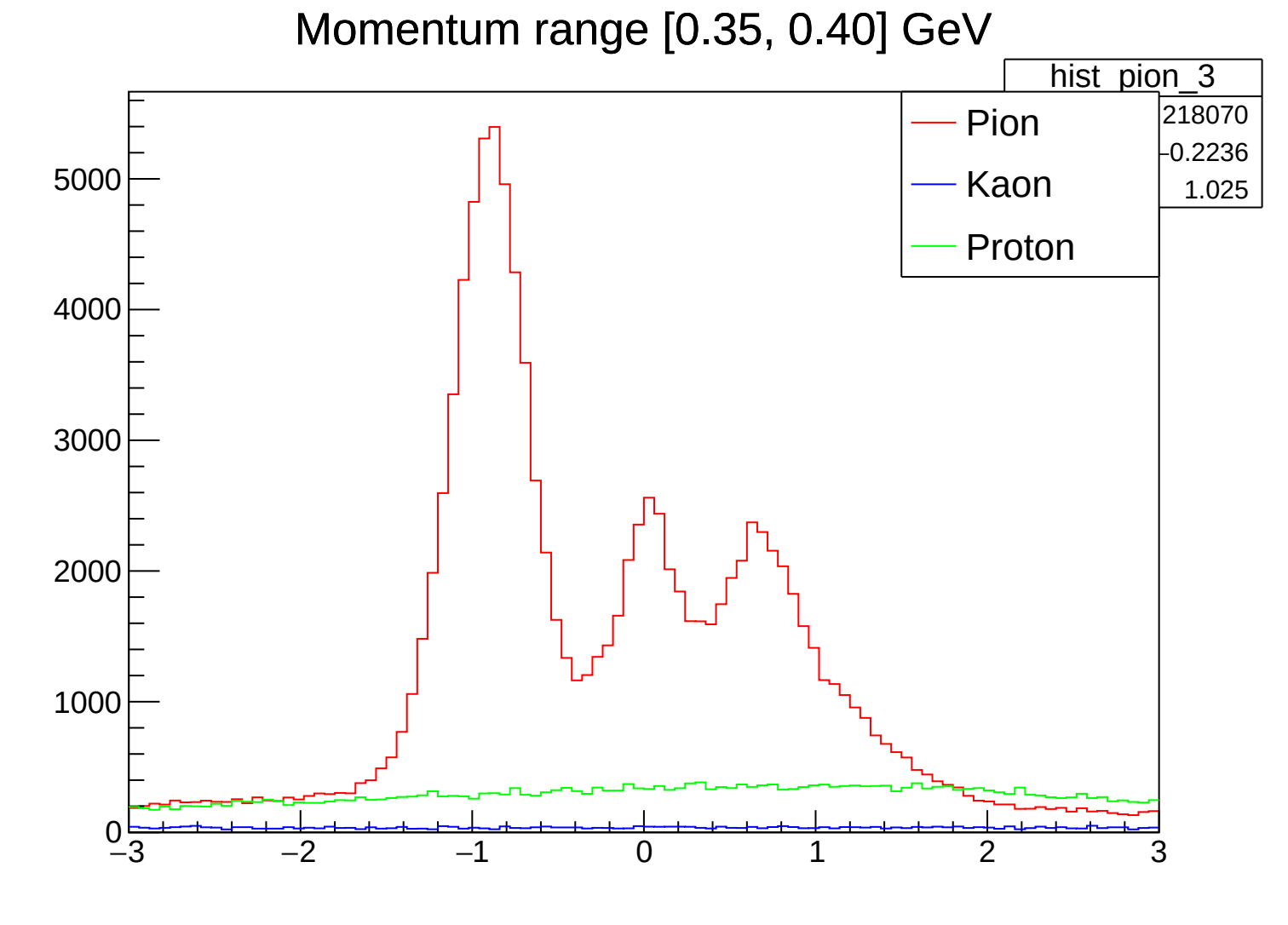
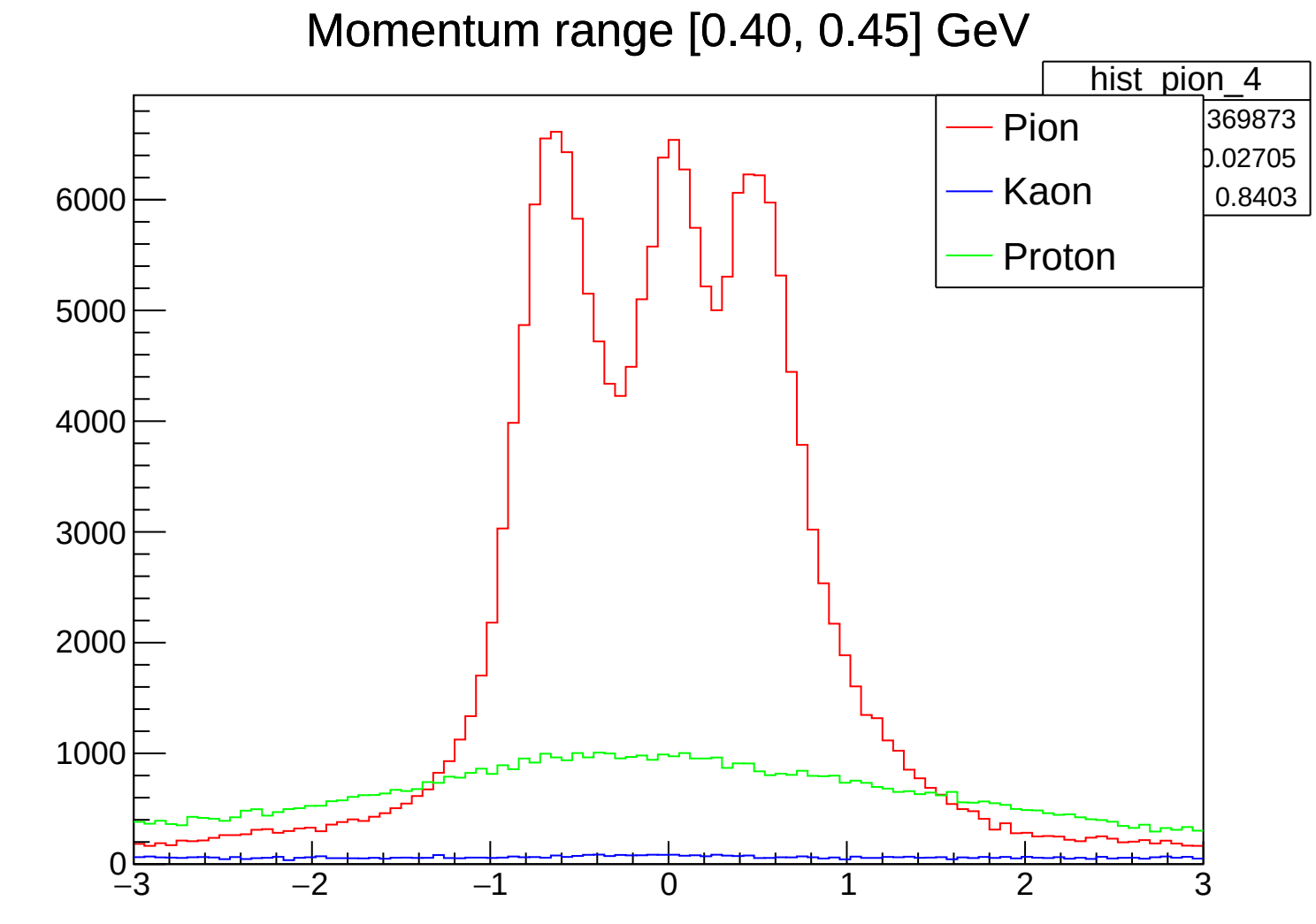
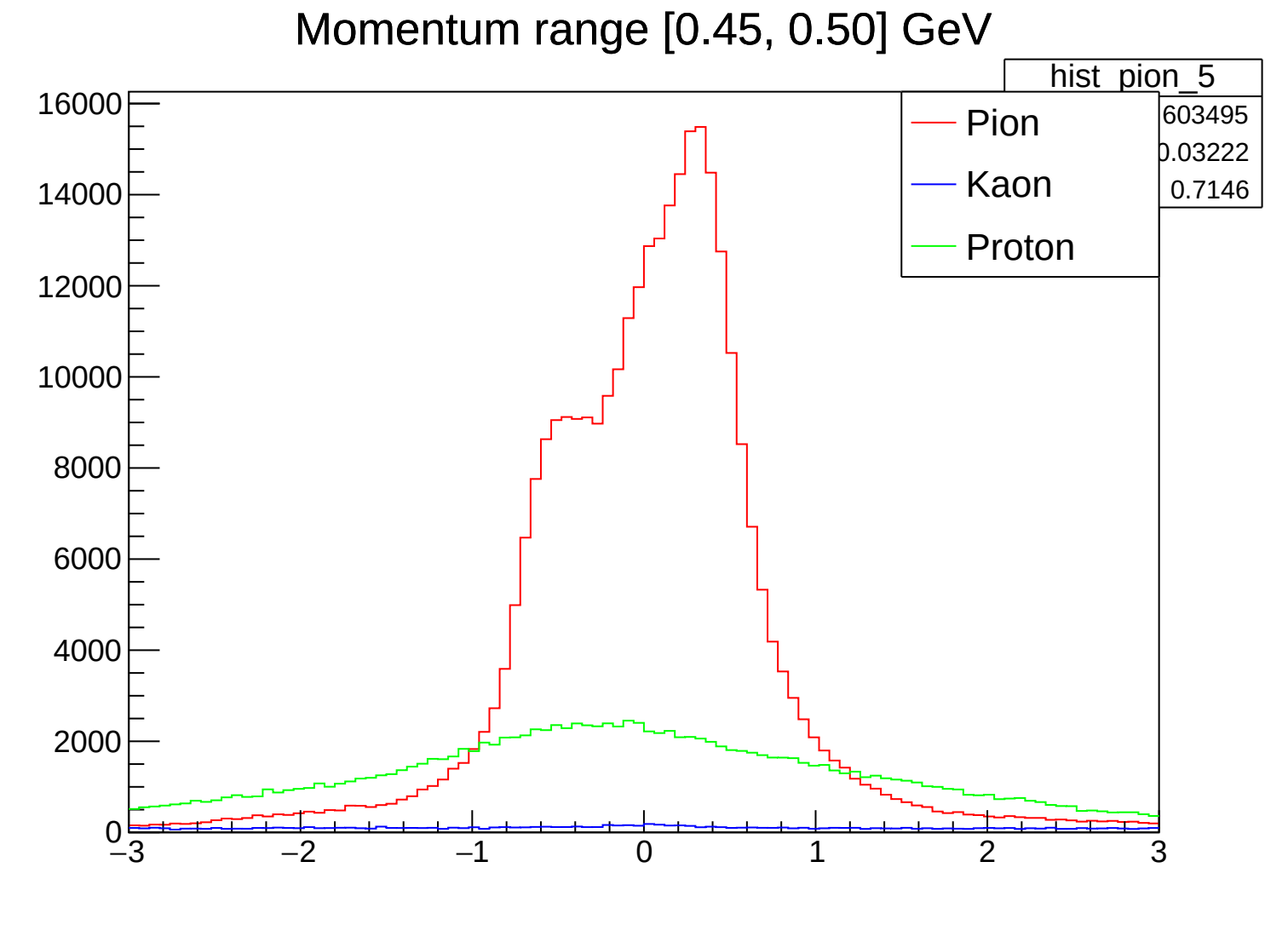

Momentum range [0.20, 0.25] GeV
hist_pion_0
22169
−1.086
2.041
Pion
Kaon
Proton
500
400
300
200
100
0
−3
−2
−1
0
1
2
3

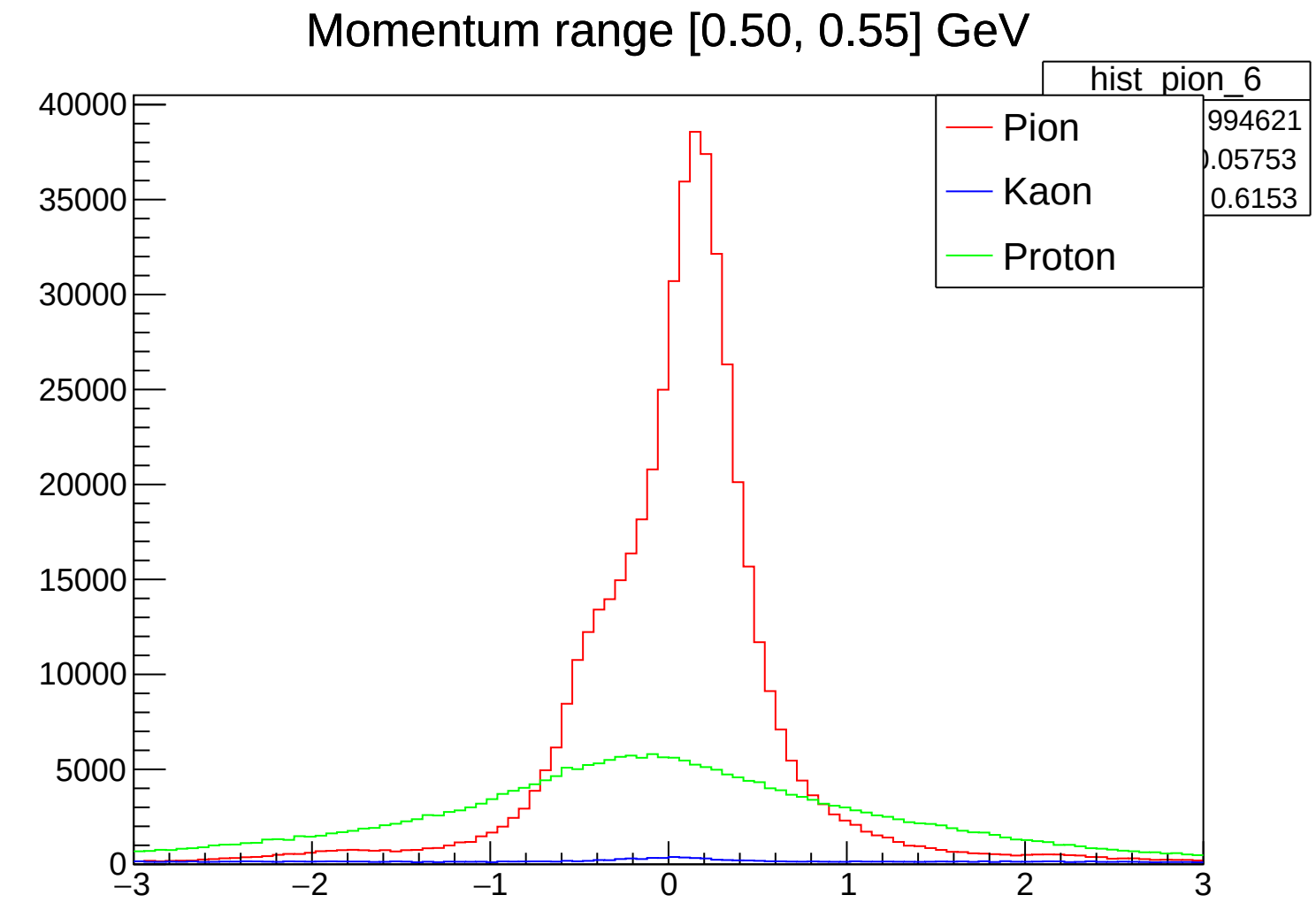

Momentum range [0.25, 0.30] GeV
hist_pion_1
67662
−1.453
1.326
Pion
Kaon
Proton
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3

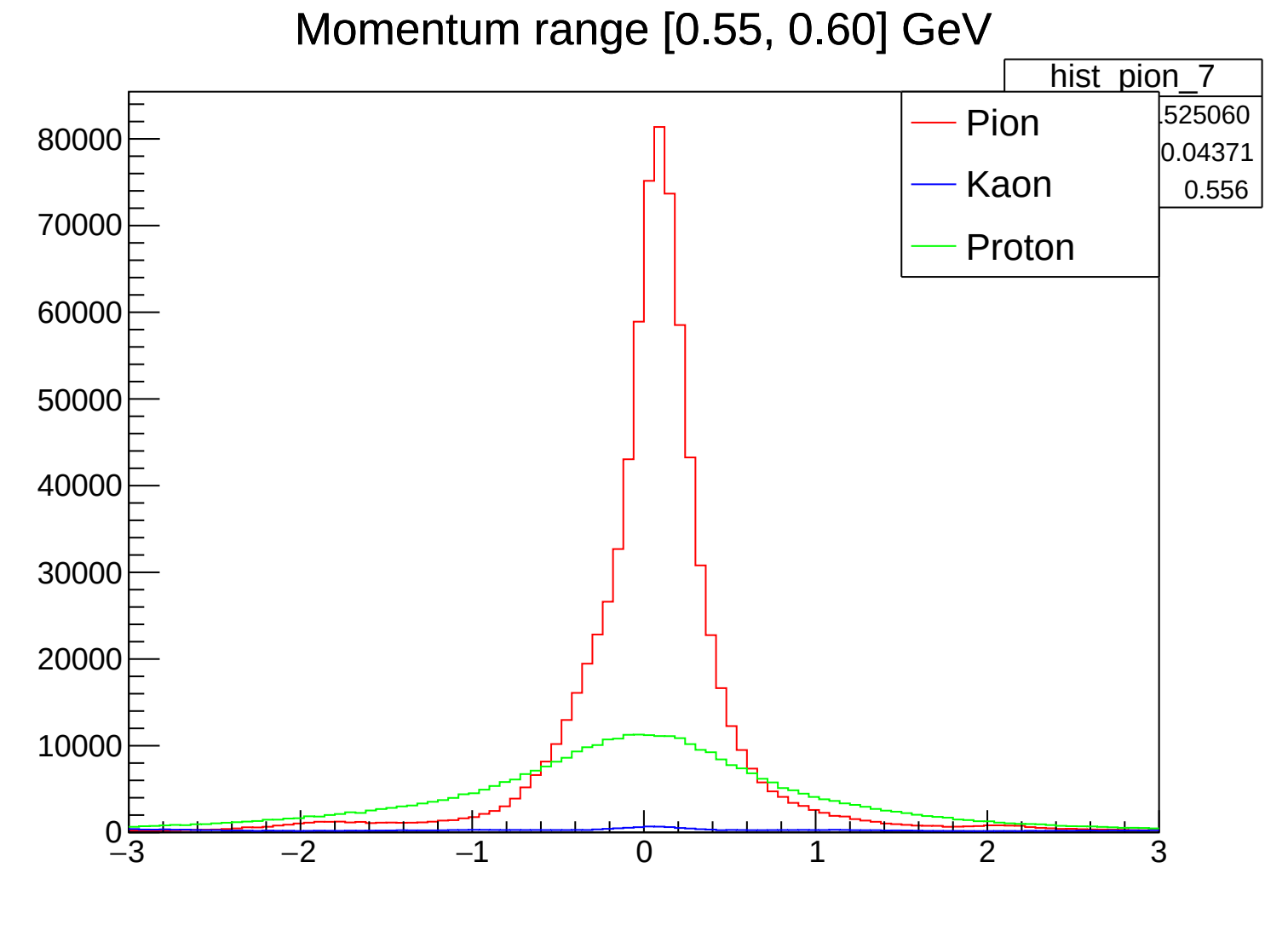

Momentum range [0.30, 0.35] GeV
hist_pion_2
121503
-0.6855
1.192
Pion
Kaon
Proton
4000
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3

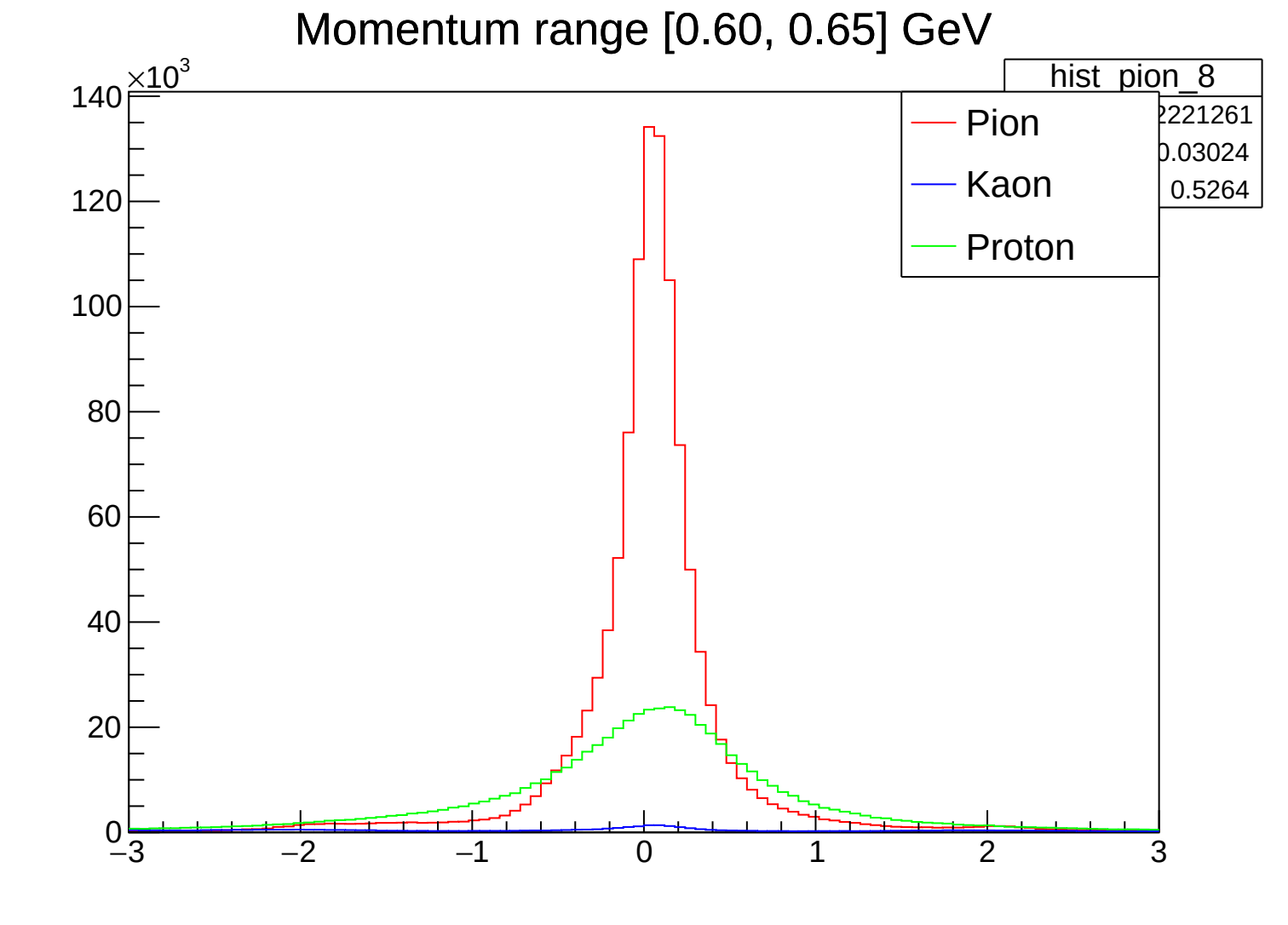

Momentum range [0.35, 0.40] GeV
hist_pion_3
218070
-0.2236
1.025
Pion
Kaon
Proton
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3

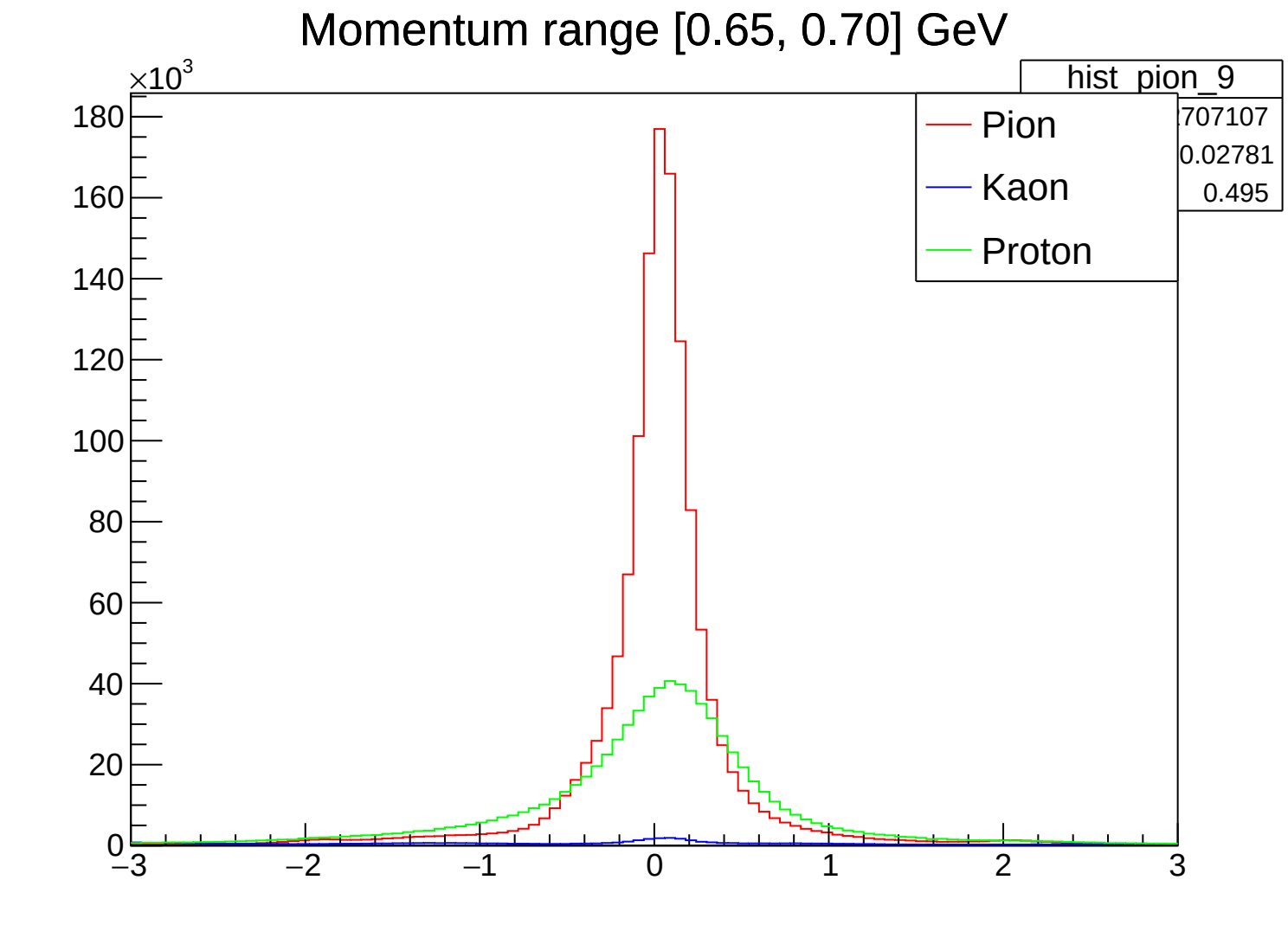

Momentum range [0.40, 0.45] GeV
hist_pion_4
369873
0.02705
0.8403
Pion
Kaon
Proton
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3

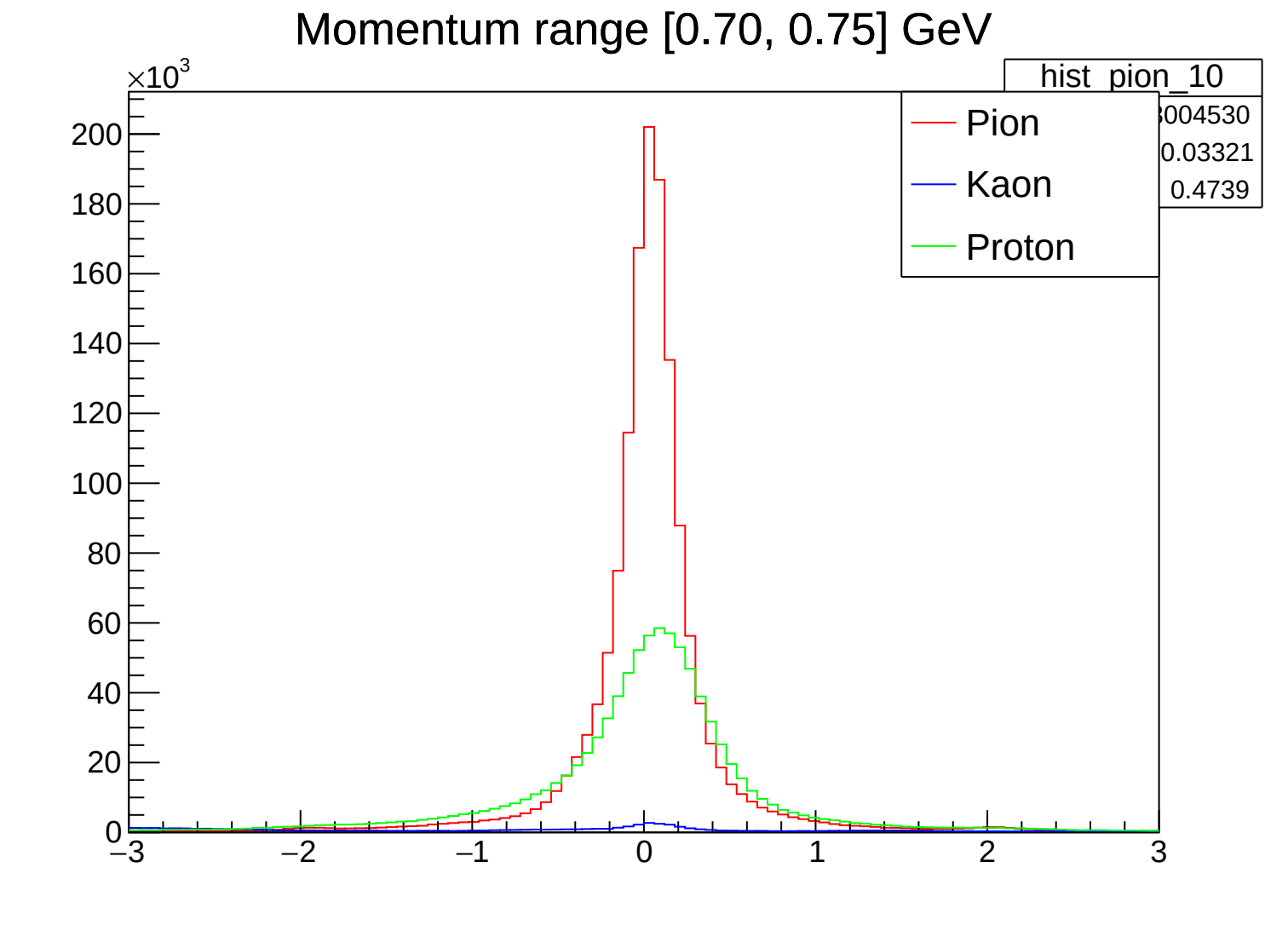

Momentum range [0.45, 0.50] GeV
hist_pion_5
603495
0.03222
0.7146
Pion
Kaon
Proton
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3

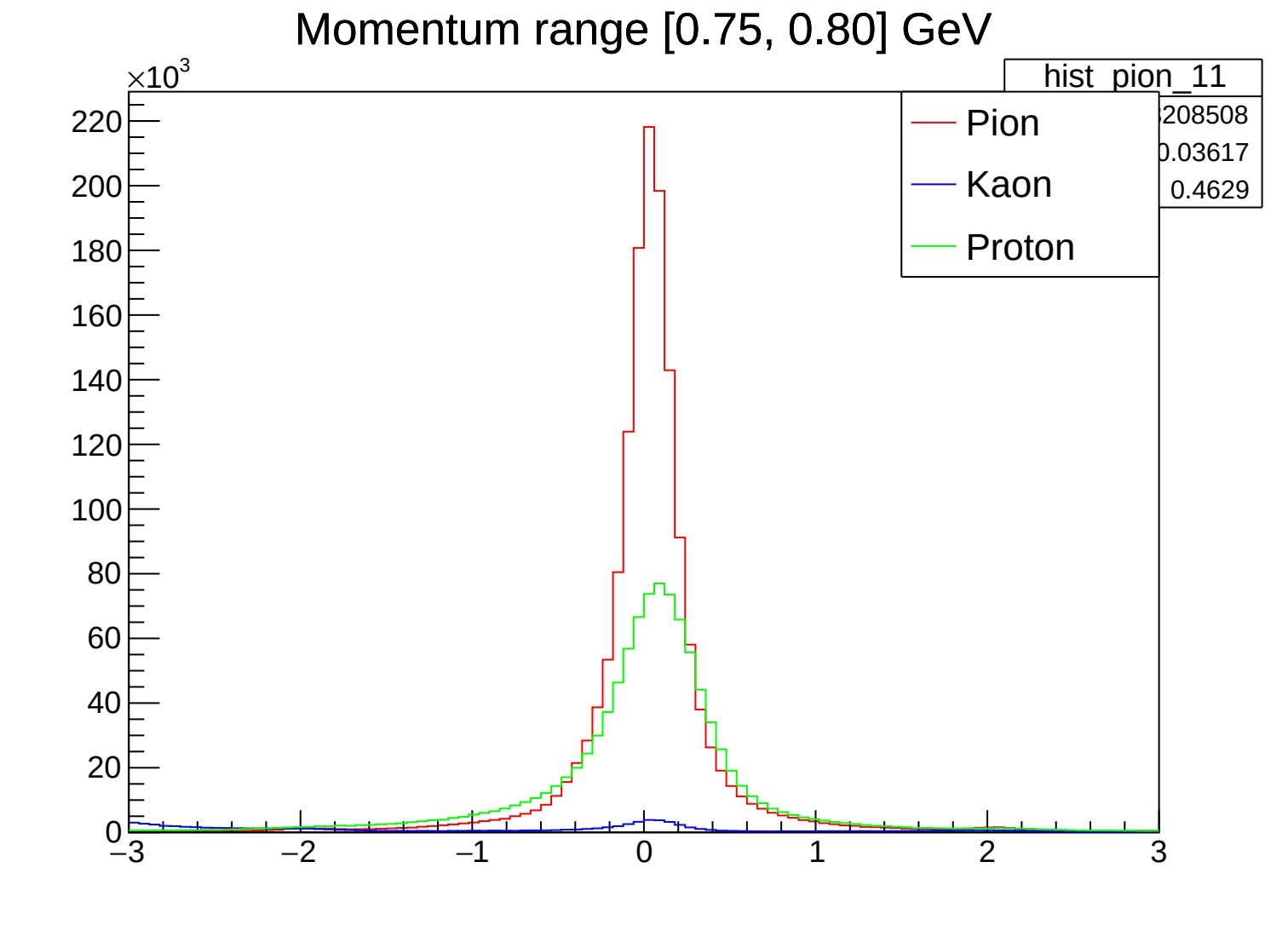

Momentum range [0.50, 0.55] GeV
hist_pion_6
994621
.05753
0.6153
Pion
Kaon
Proton
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3

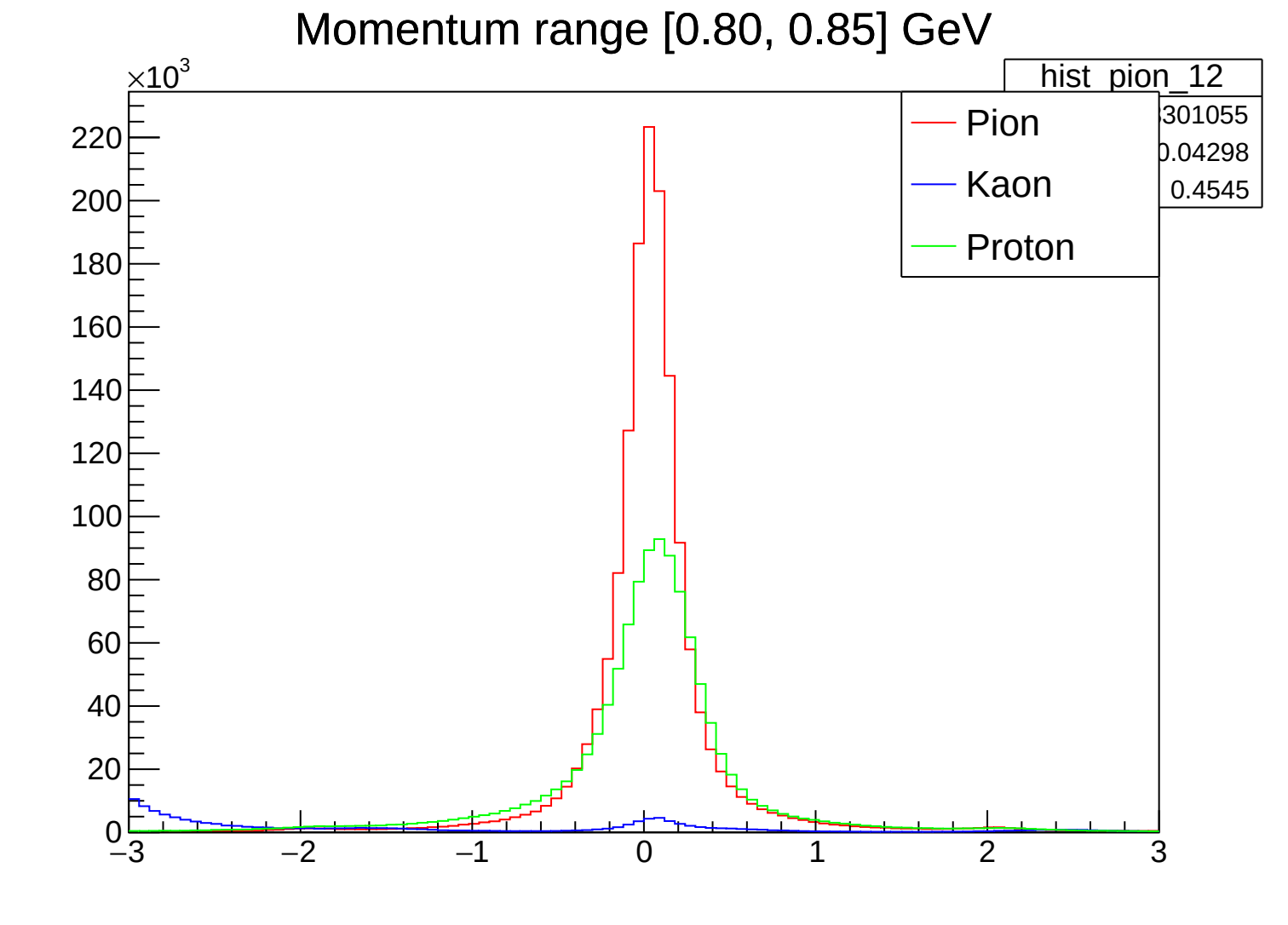

Momentum range [0.55, 0.60] GeV
hist_pion_7
525060
0.04371
0.556
Pion
Kaon
Proton
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

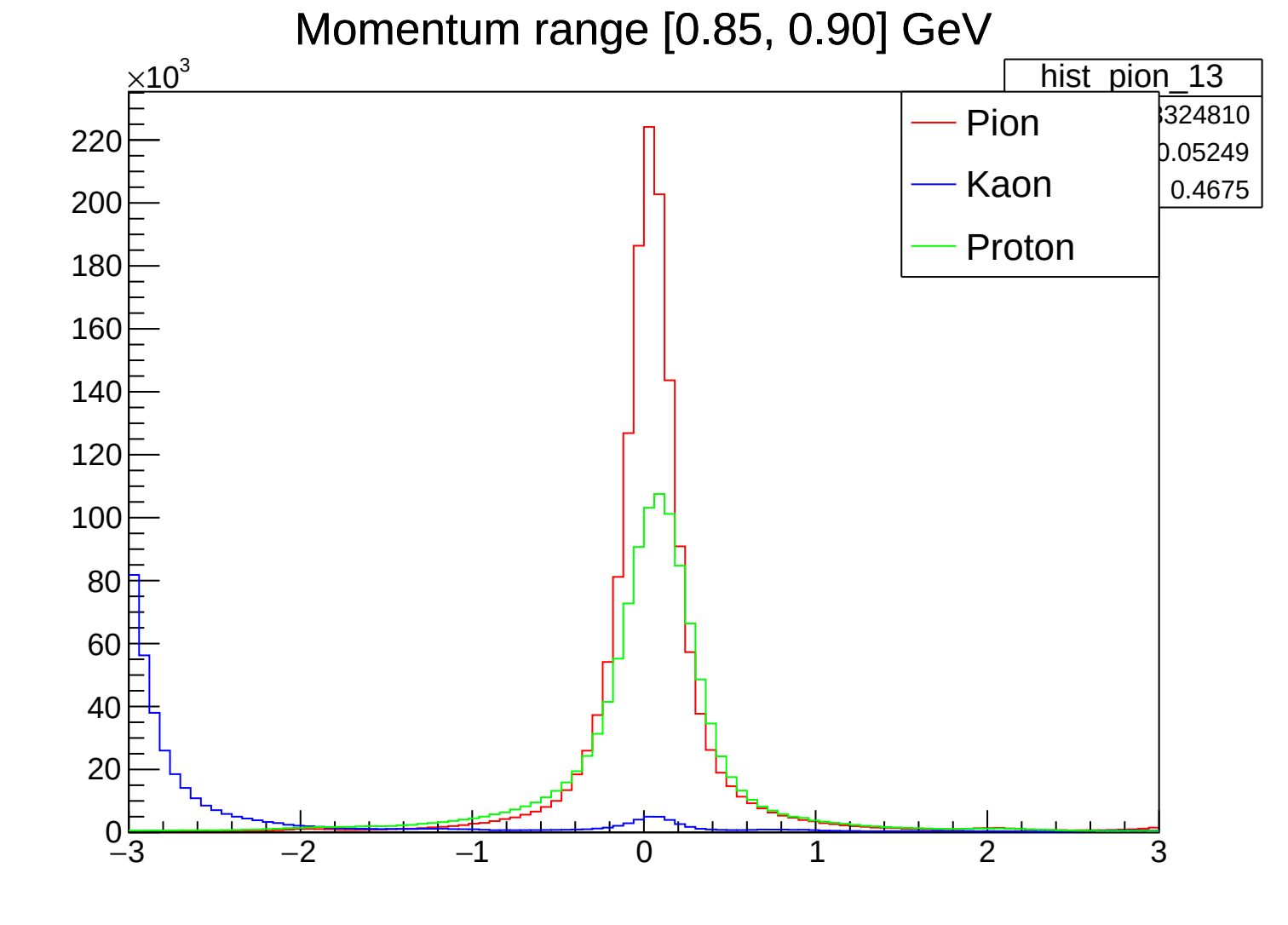

Momentum range [0.60, 0.65] GeV
×10^3
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_8
2221261
0.03024
0.5264
Pion
Kaon
Proton

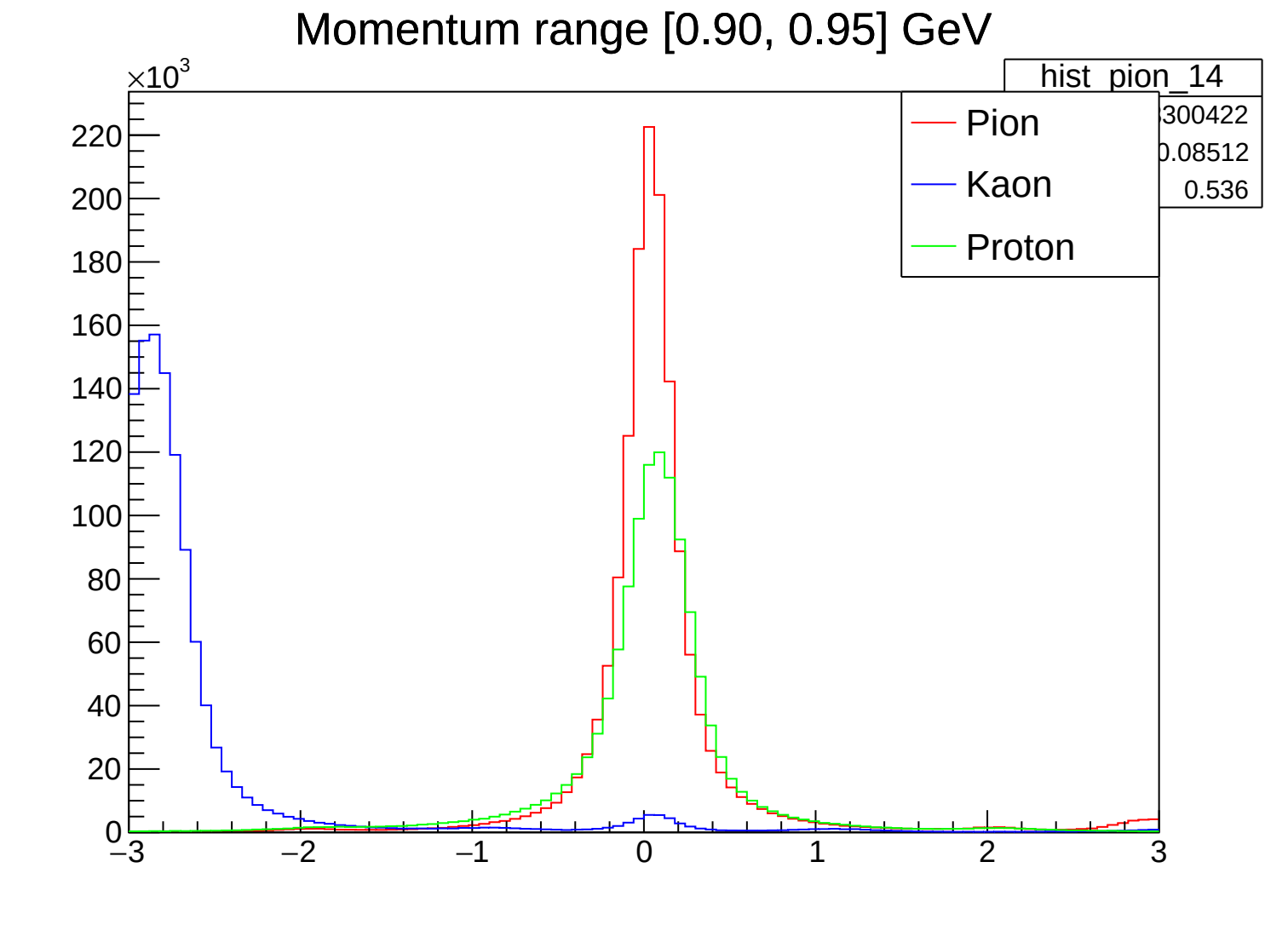

Momentum range [0.65, 0.70] GeV
×10^3
hist_pion_9
707107
0.02781
0.495
Pion
Kaon
Proton
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

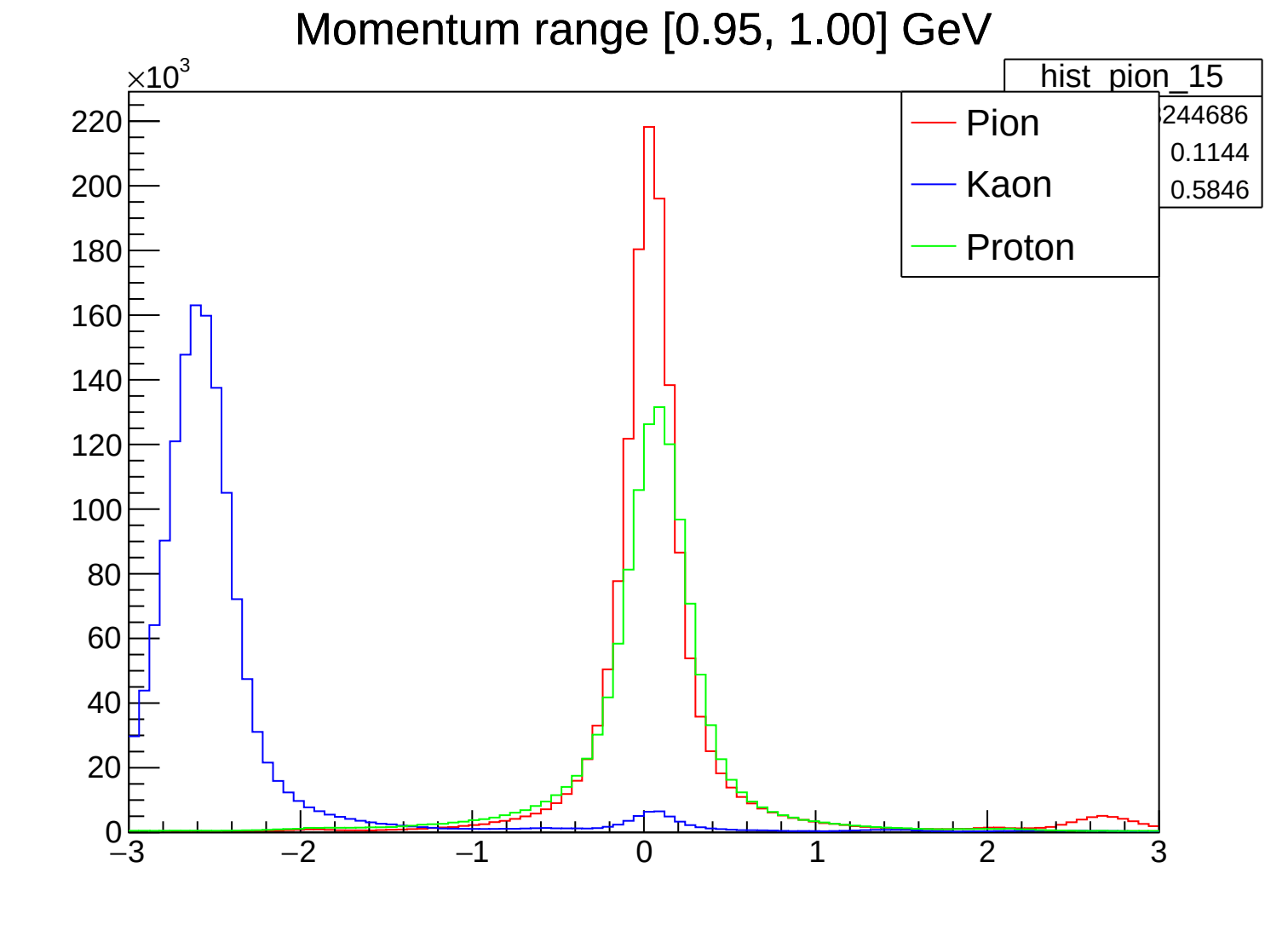

Momentum range [0.70, 0.75] GeV
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_10
004530
0.03321
0.4739
Pion
Kaon
Proton

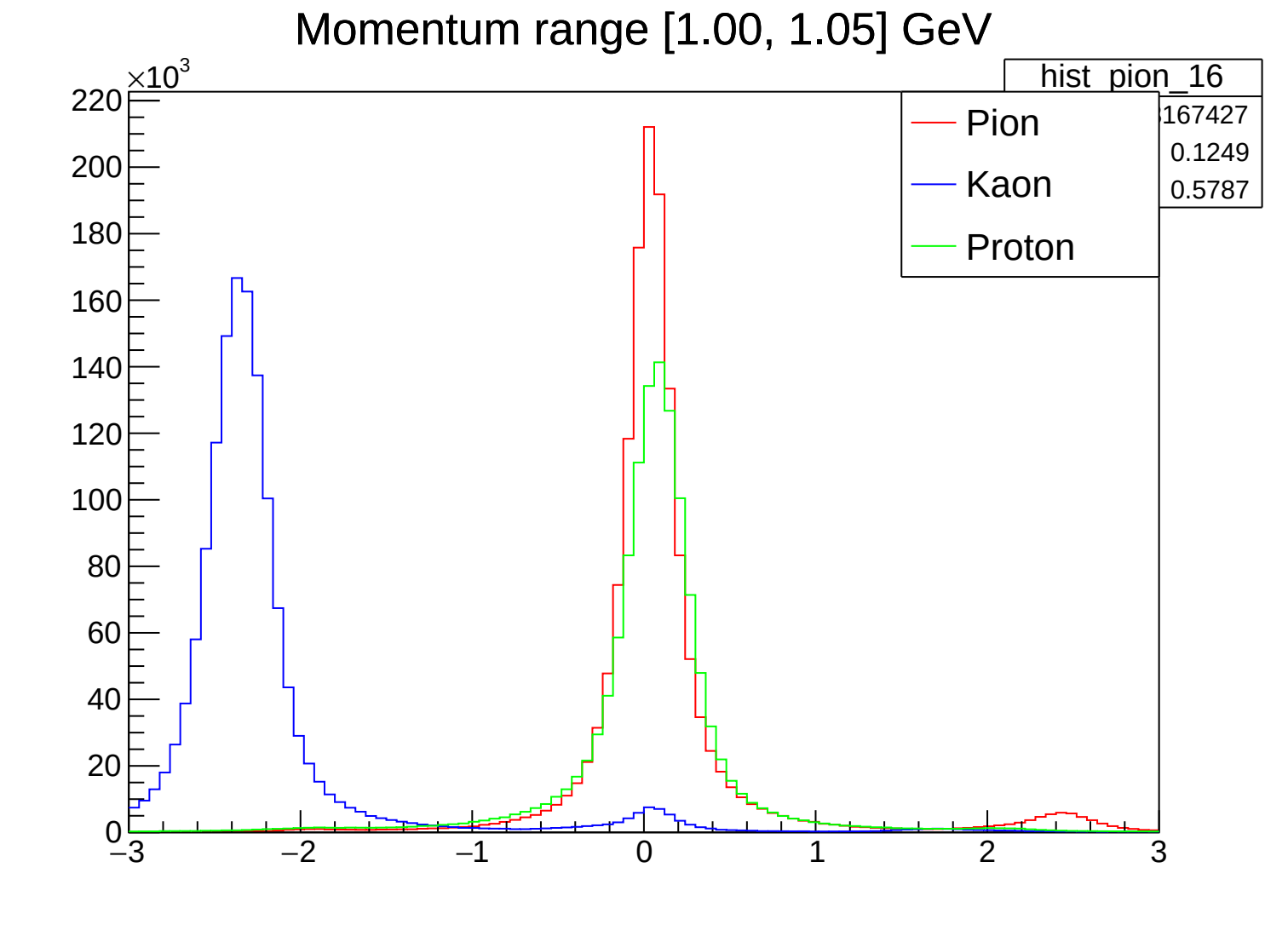

Momentum range [0.75, 0.80] GeV
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist pion_11
208508
0.03617
0.4629
Pion
Kaon
Proton

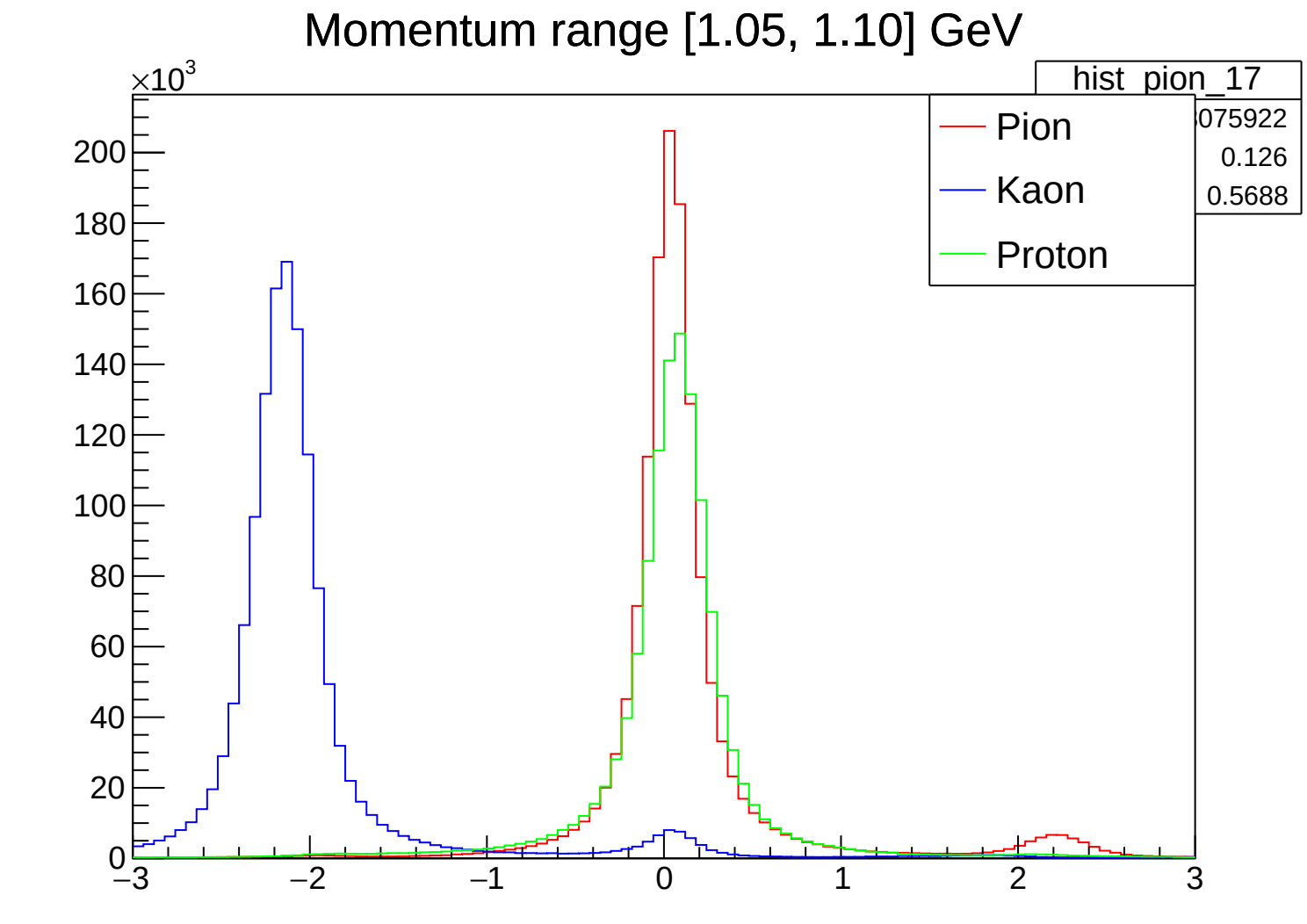

Momentum range [0.80, 0.85] GeV
×10^3
hist_pion_12
301055
0.04298
0.4545
Pion
Kaon
Proton
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

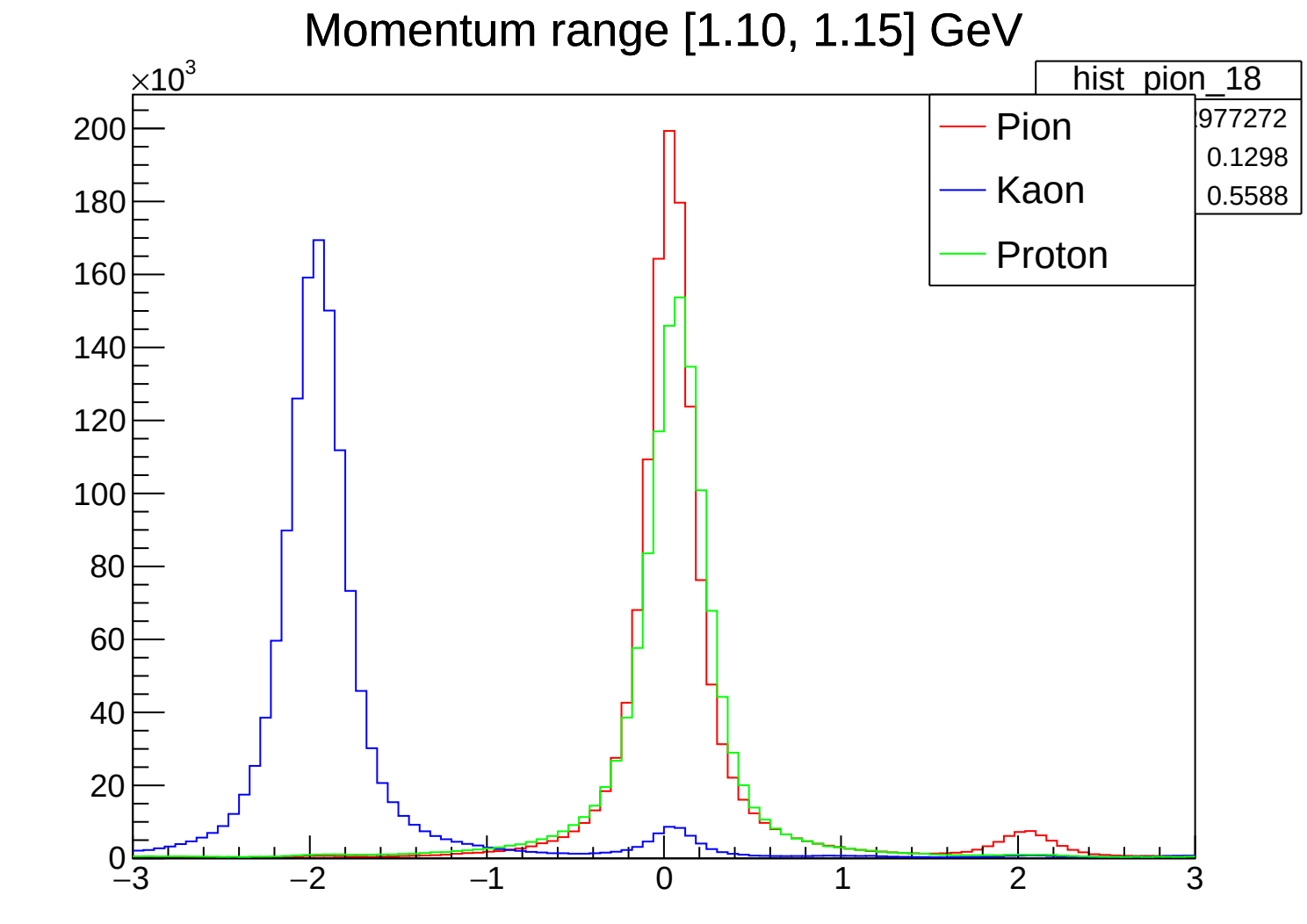

Momentum range [0.85, 0.90] GeV
×10^3
hist pion_13
Pion
Kaon
Proton
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

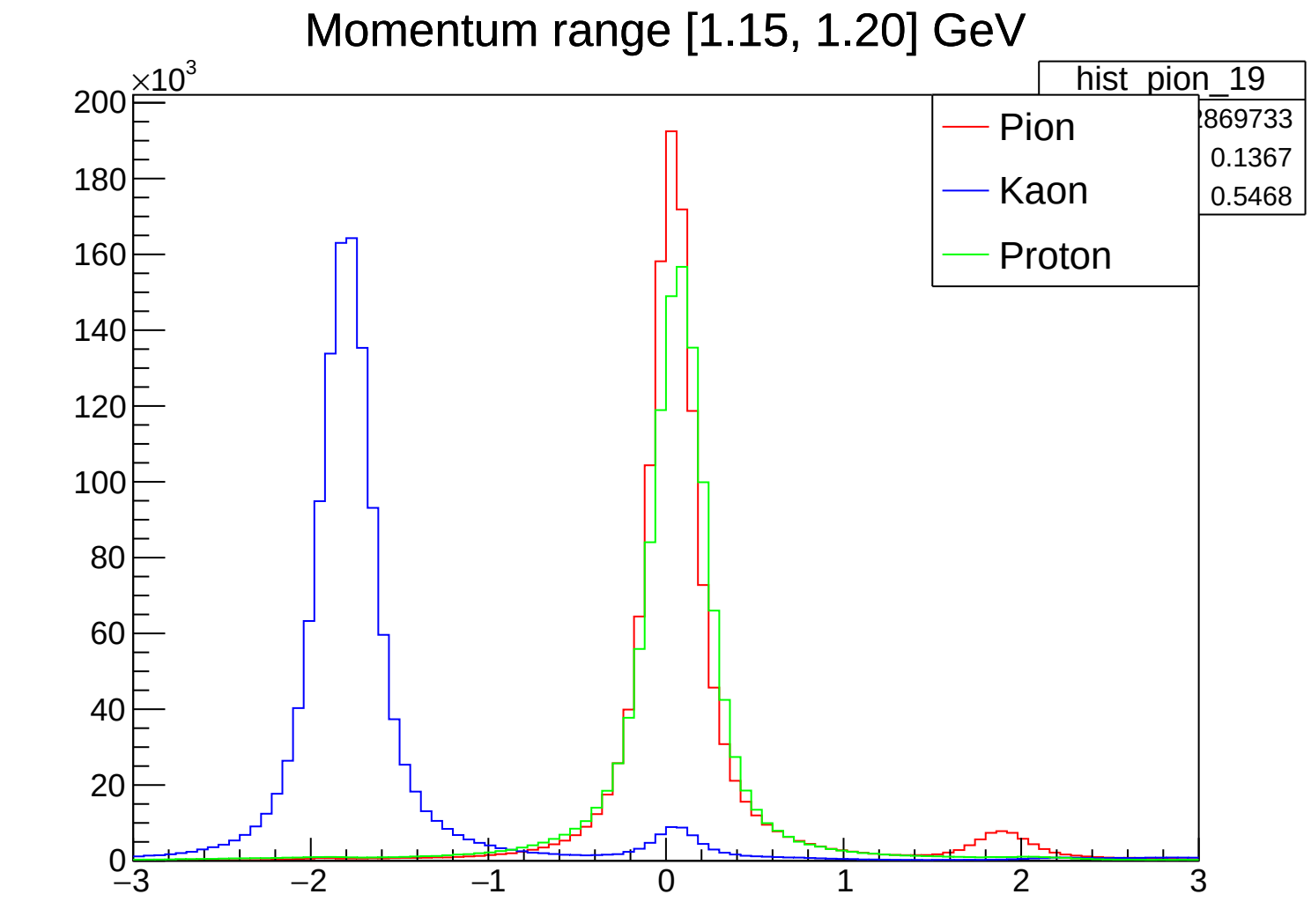

Momentum range [0.90, 0.95] GeV
×10^3
hist_pion_14
300422
0.08512
0.536
Pion
Kaon
Proton
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

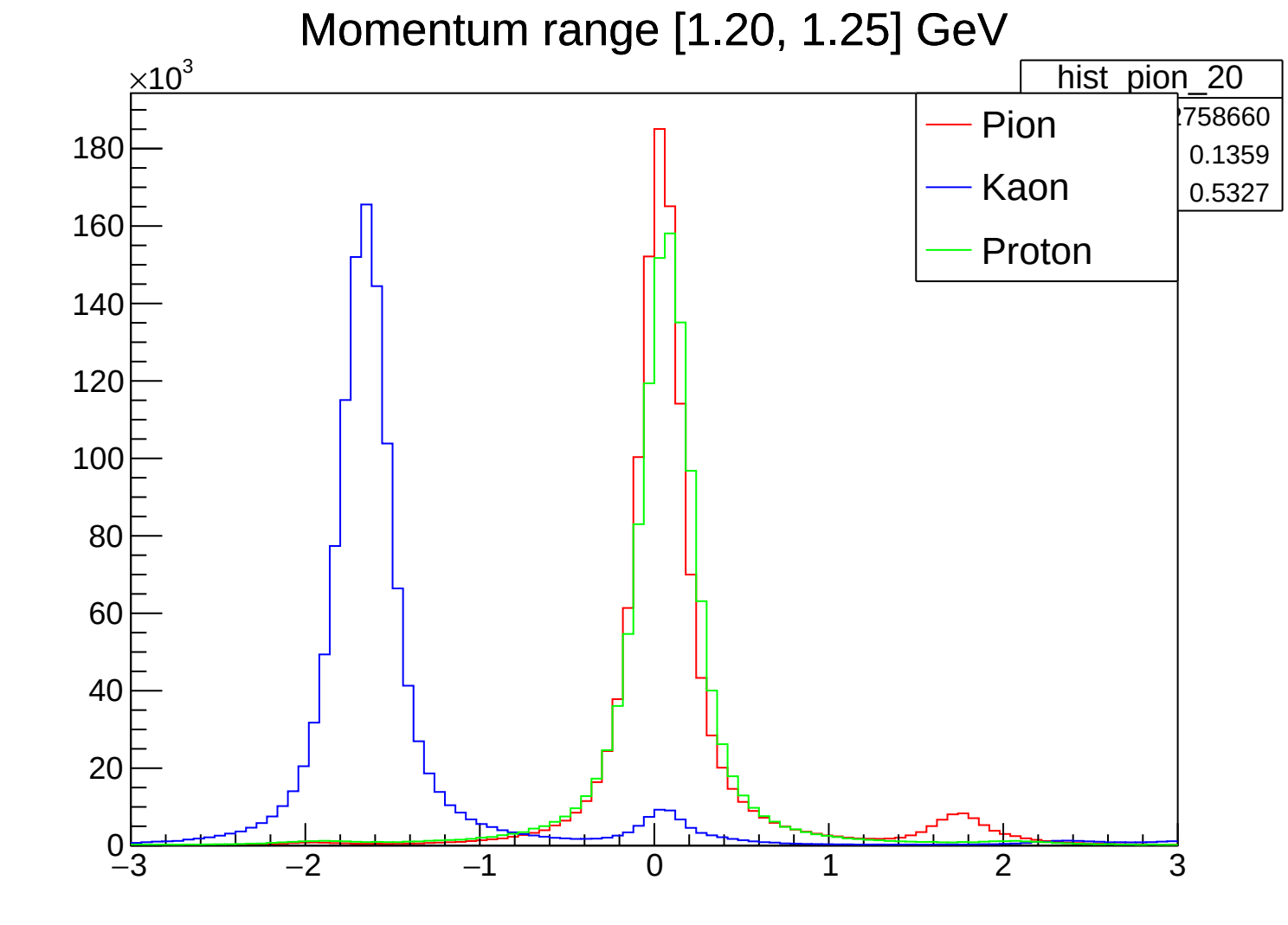

Momentum range [0.95, 1.00] GeV
×10^3
hist_pion_15
244686
0.1144
0.5846
Pion
Kaon
Proton
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

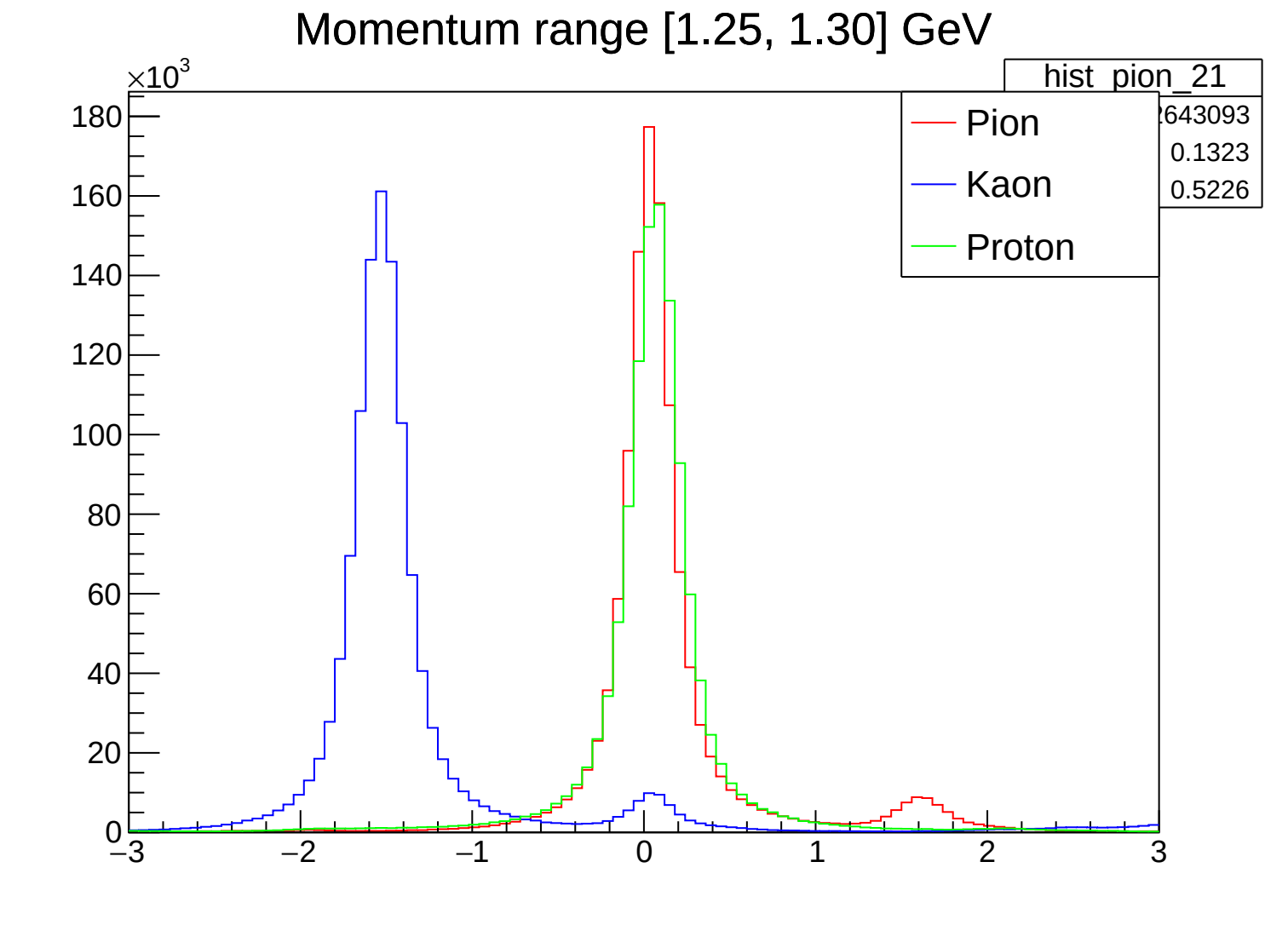

Momentum range [1.00, 1.05] GeV
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist pion_16
167427
0.1249
0.5787
Pion
Kaon
Proton

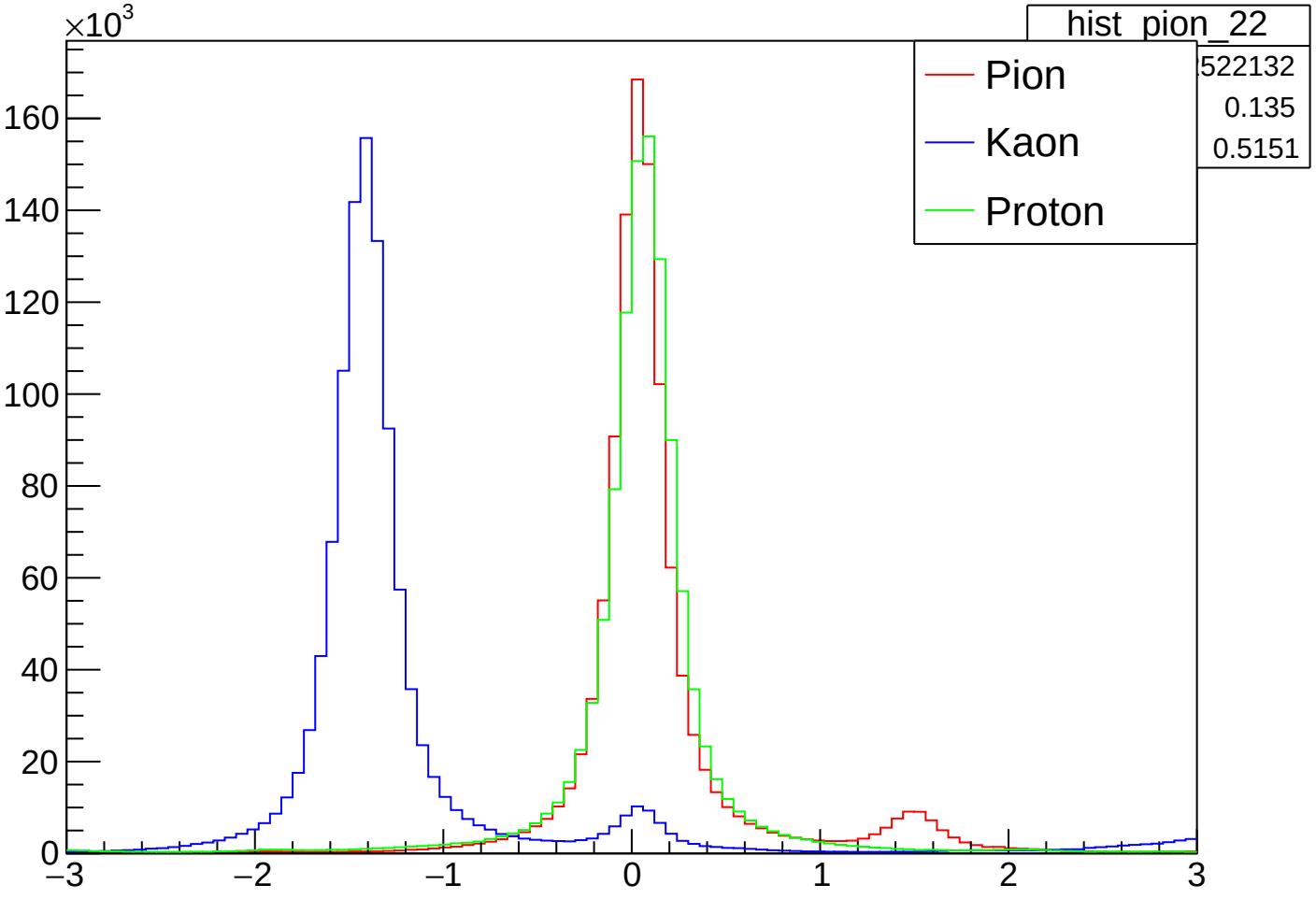

Momentum range [1.05, 1.10] GeV
×10^3
hist pion_17
075922
0.126
0.5688
Pion
Kaon
Proton
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

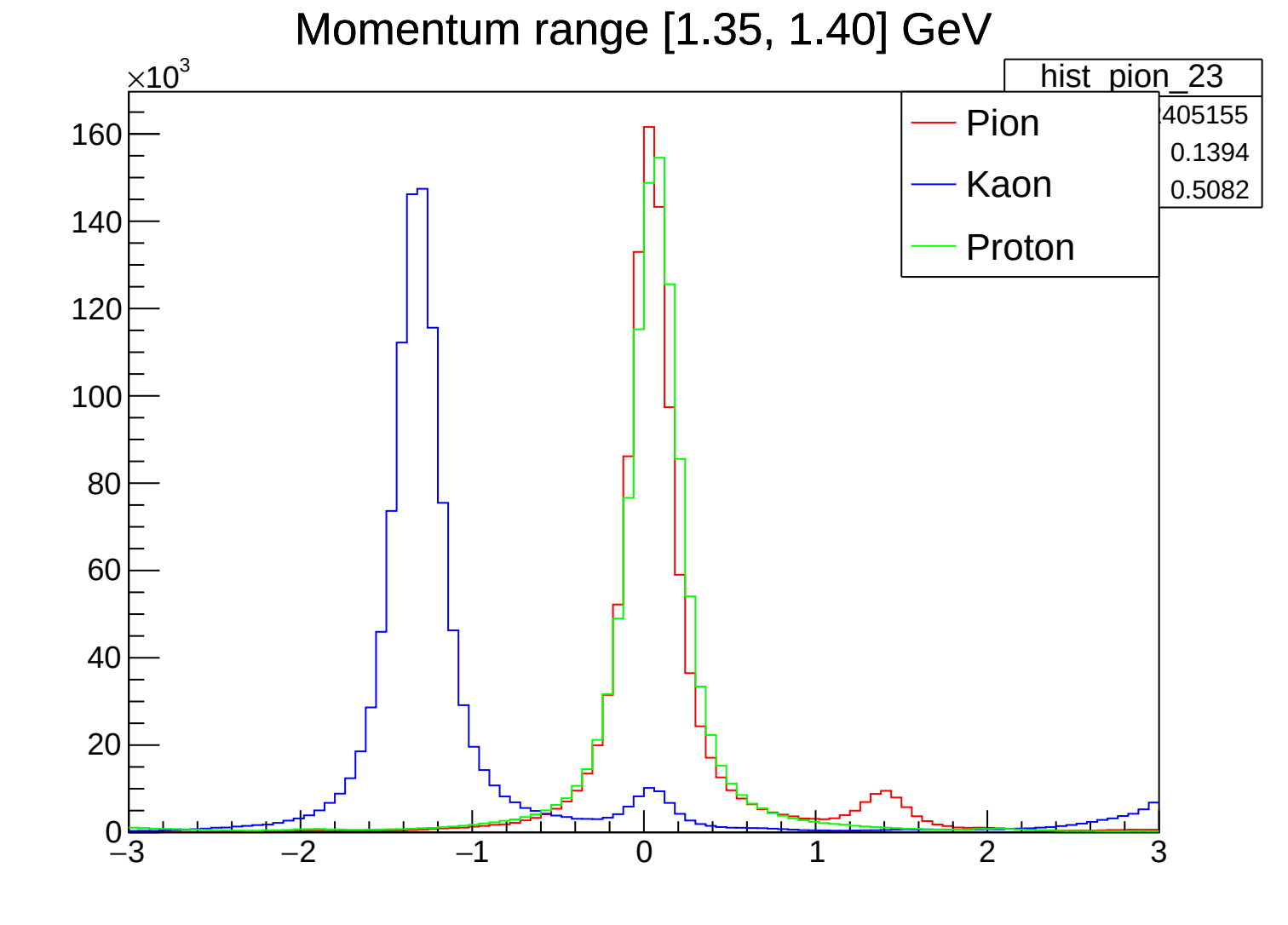

Momentum range [1.10, 1.15] GeV
×10^3
hist_pion_18
977272
0.1298
0.5588
Pion
Kaon
Proton
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

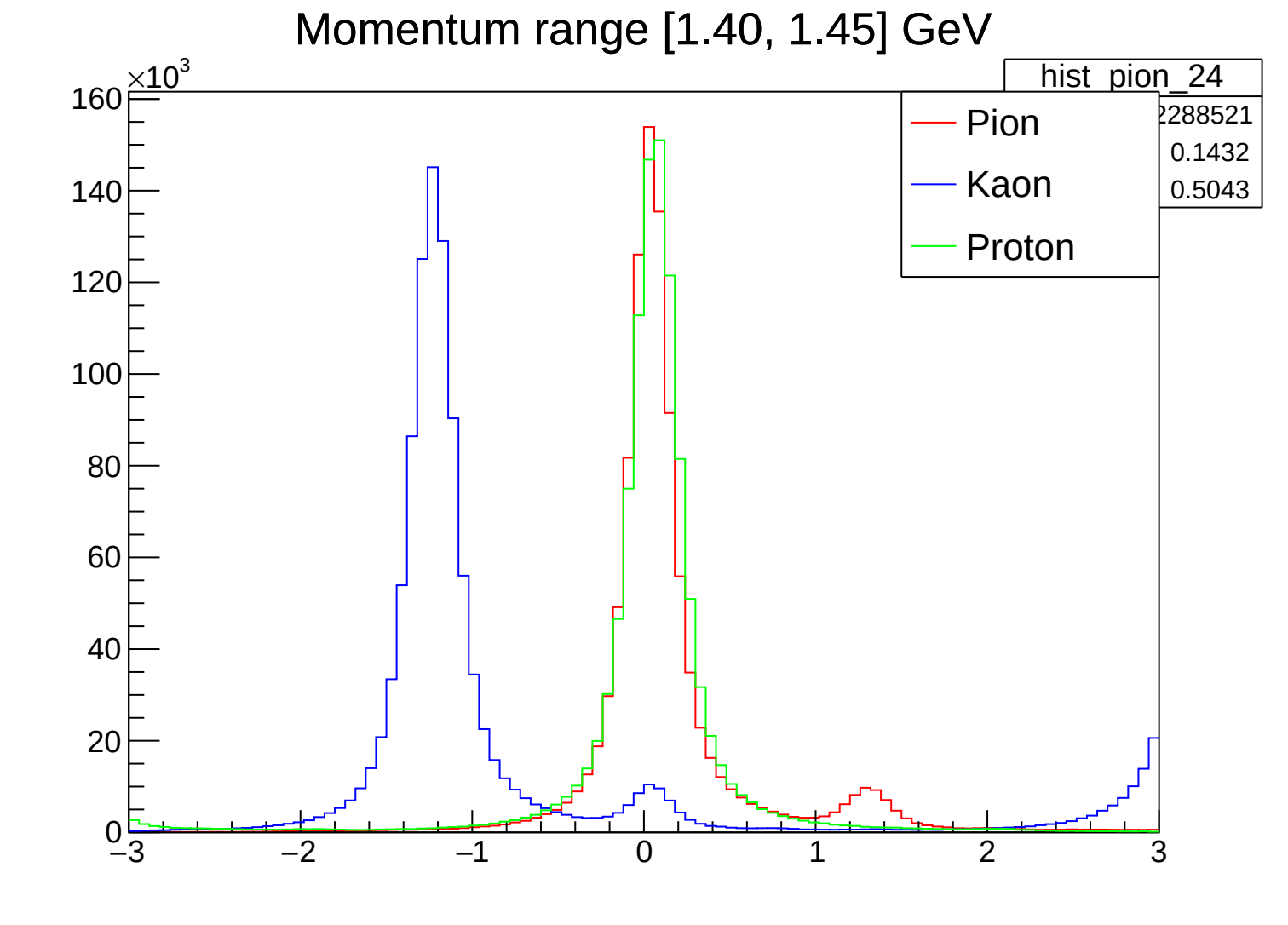

Momentum range [1.15, 1.20] GeV
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_19
869733
0.1367
0.5468
Pion
Kaon
Proton

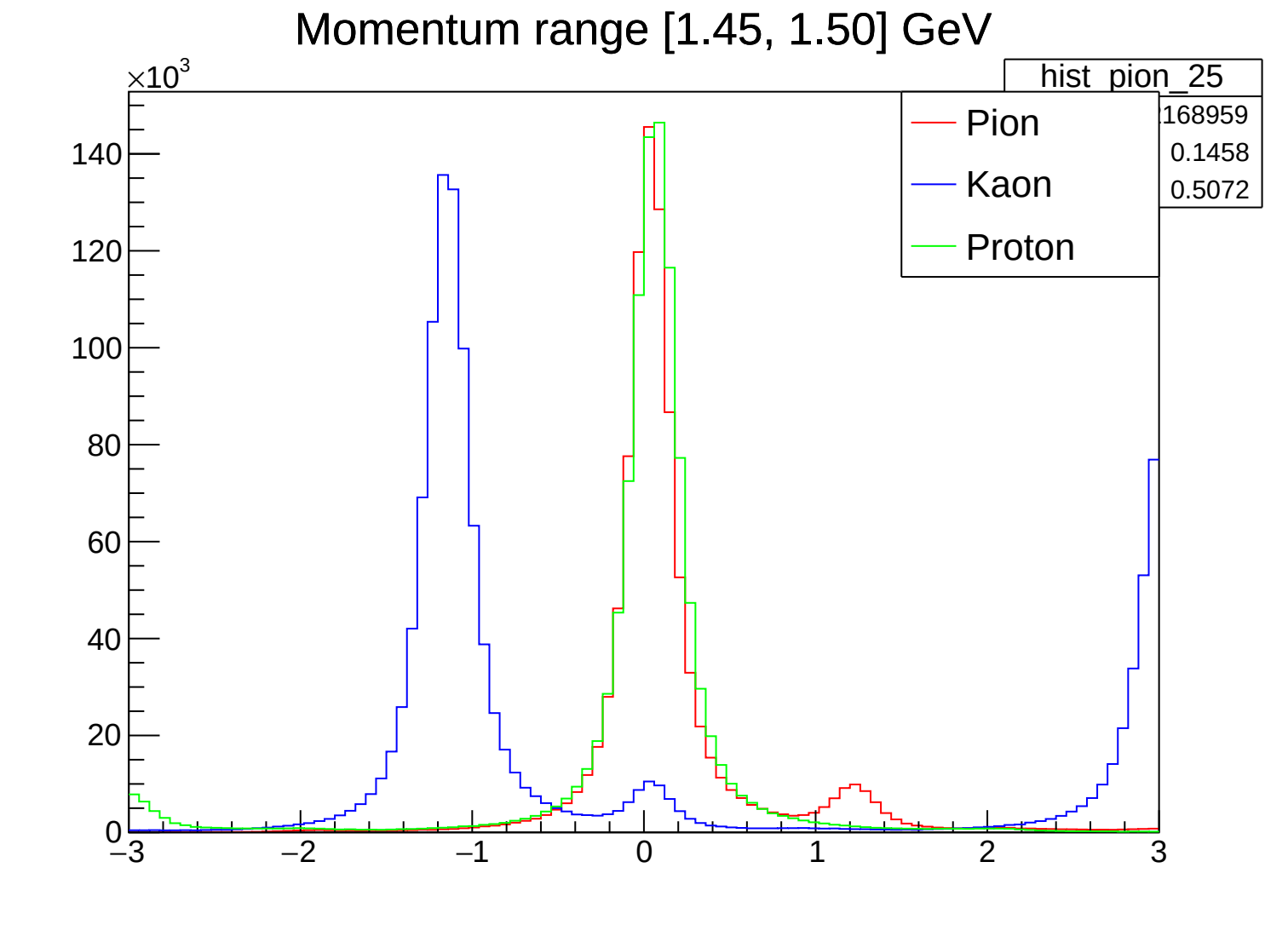

Momentum range [1.20, 1.25] GeV
×10^3
hist_pion_20
Pion
Kaon
Proton
0.1359
0.5327
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

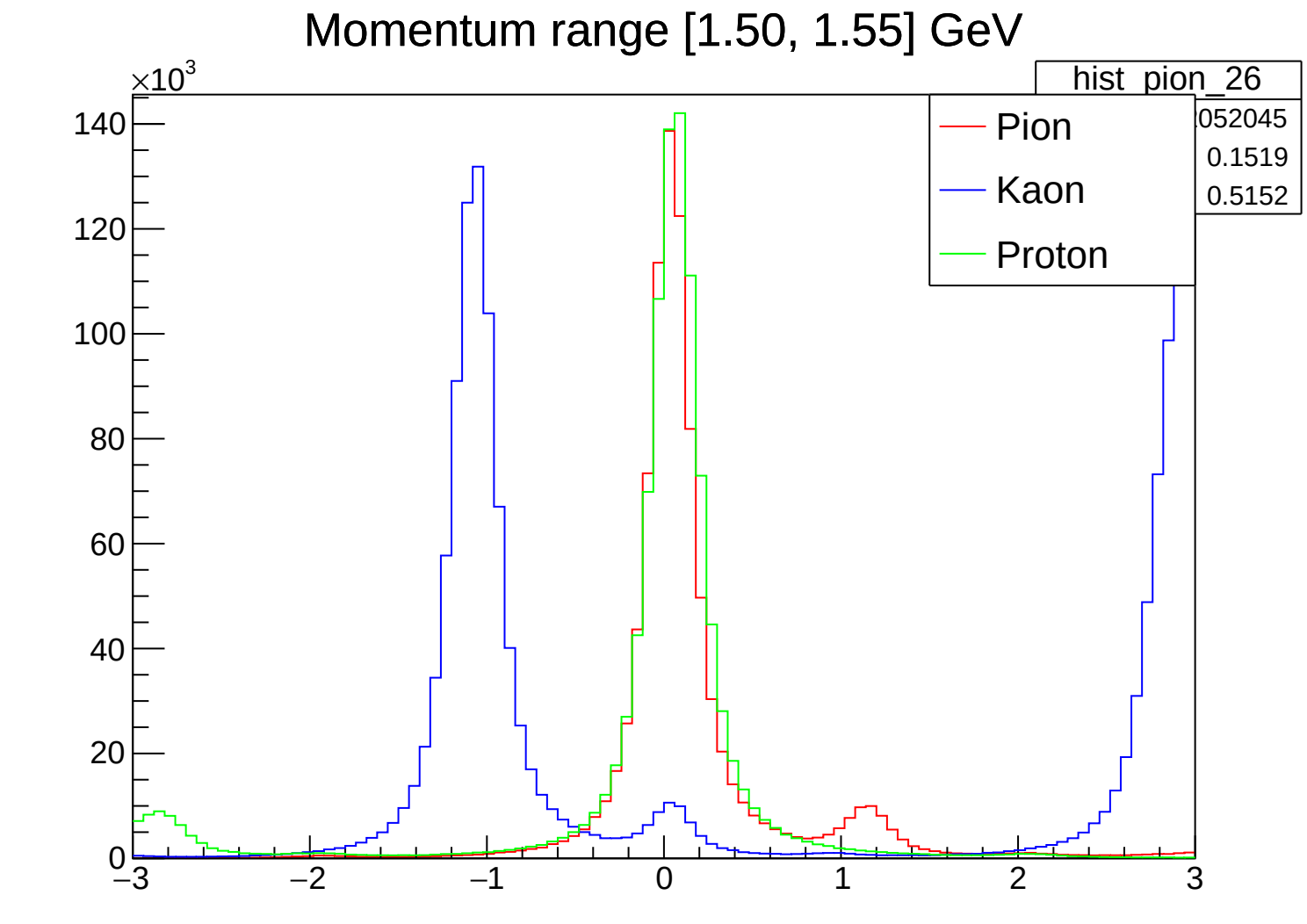

Momentum range [1.25, 1.30] GeV
×10^3
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_21
643093
0.1323
0.5226
Pion
Kaon
Proton

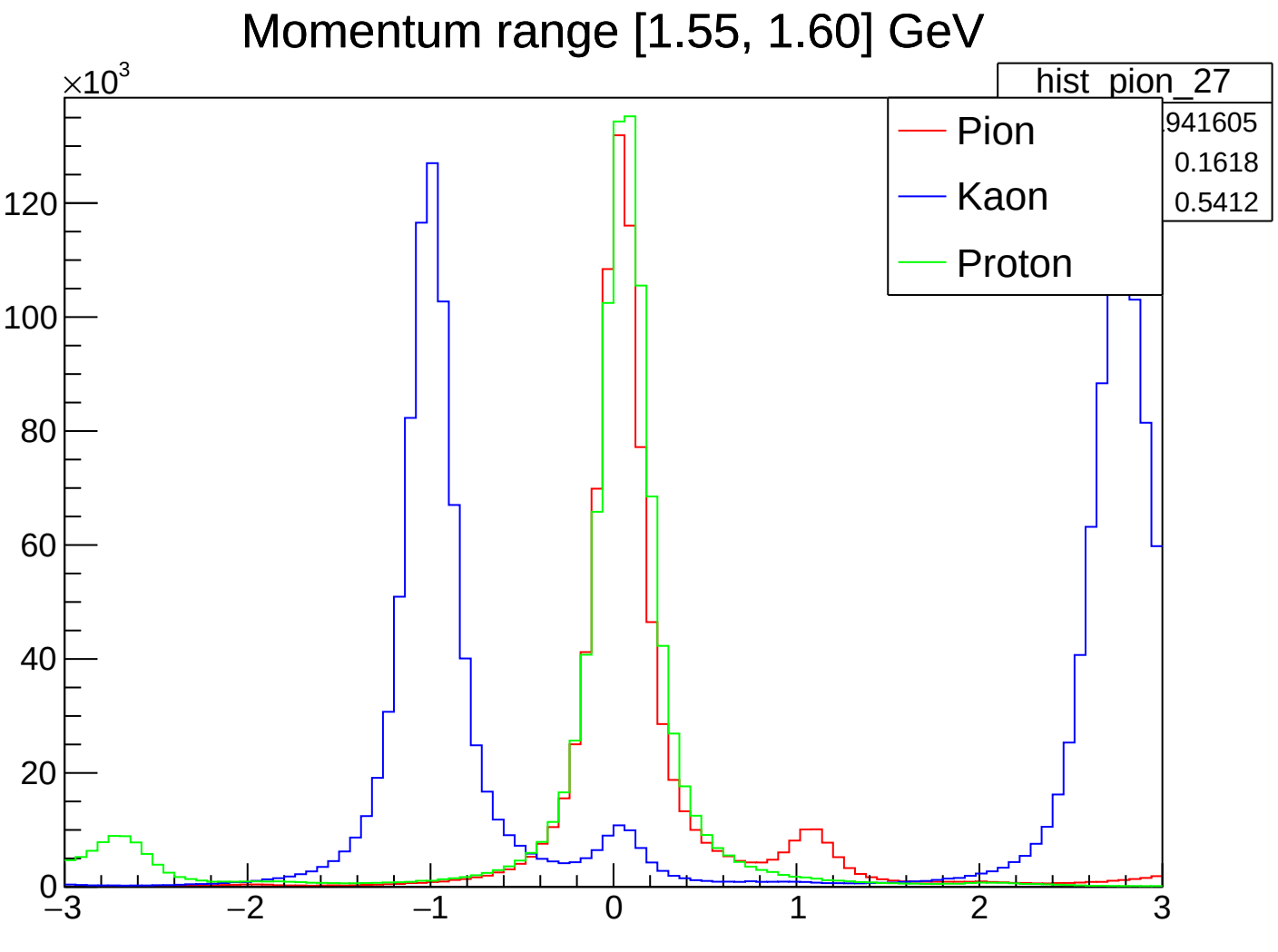

Momentum range [1.30, 1.35] GeV
×10^3
hist_pion_22
522132
0.135
0.5151
Pion
Kaon
Proton
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

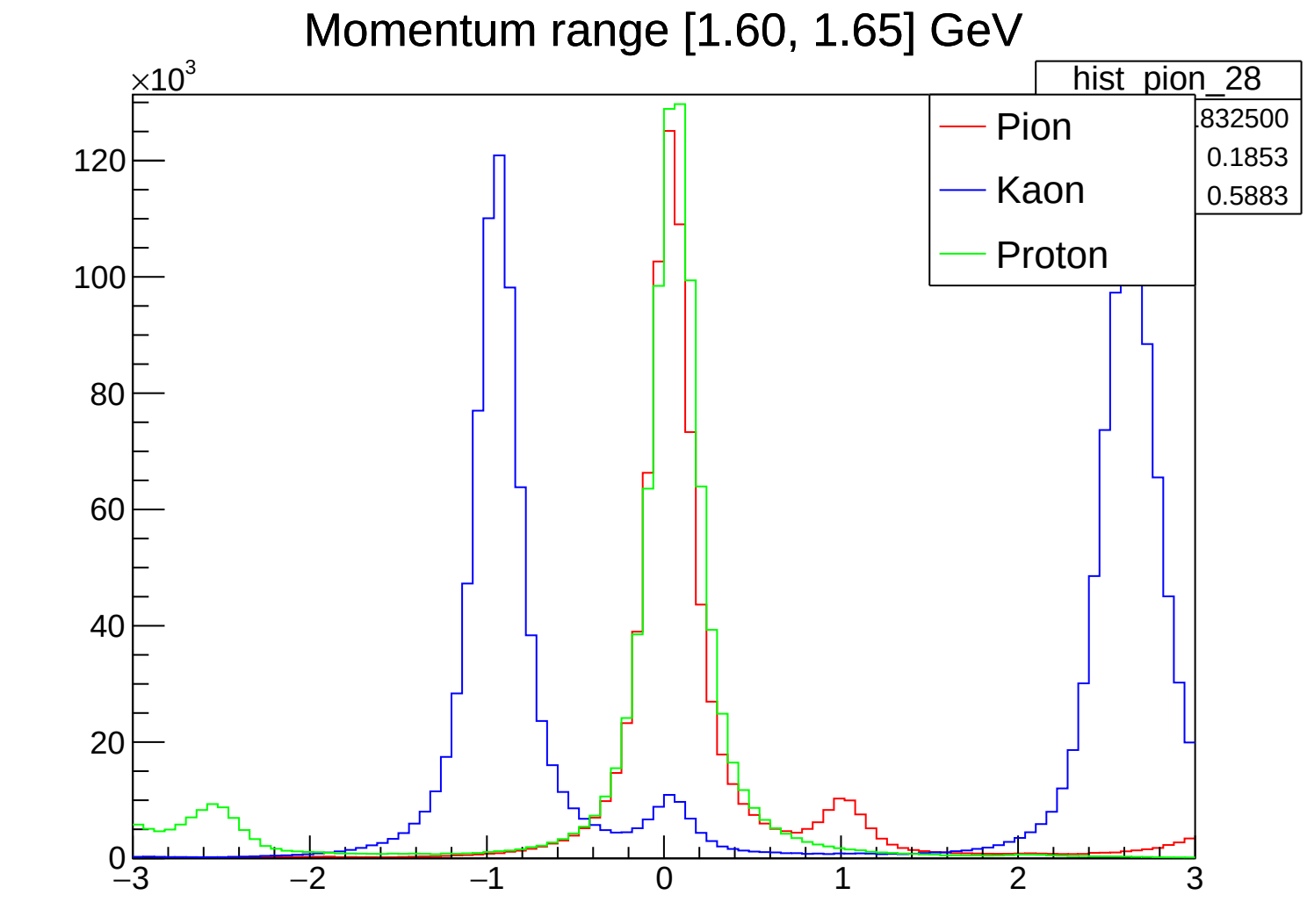

Momentum range [1.35, 1.40] GeV
×10^3
hist_pion_23
405155
0.1394
0.5082
Pion
Kaon
Proton
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

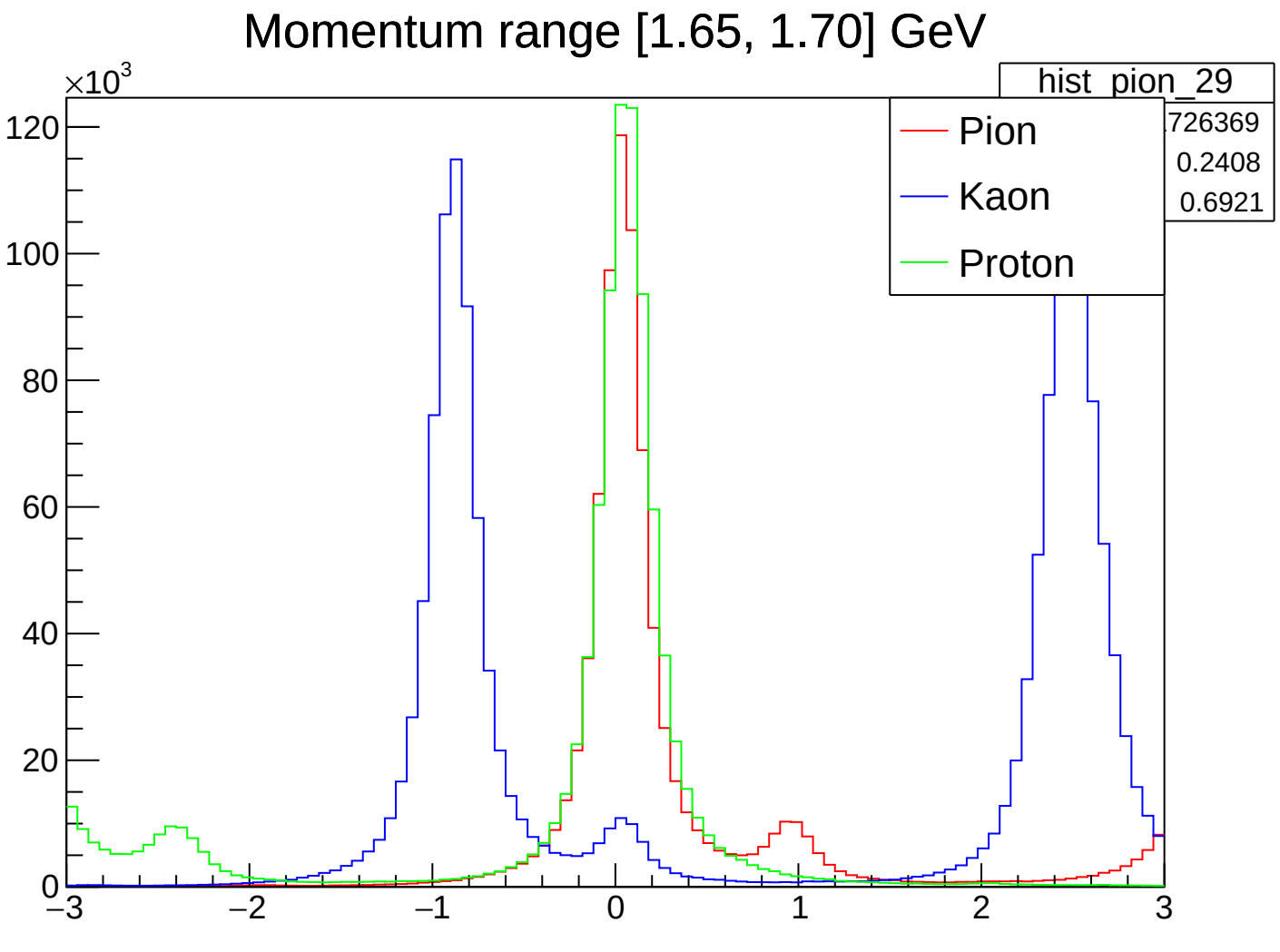

Momentum range [1.40, 1.45] GeV
×10^3
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_24
2288521
0.1432
0.5043
Pion
Kaon
Proton

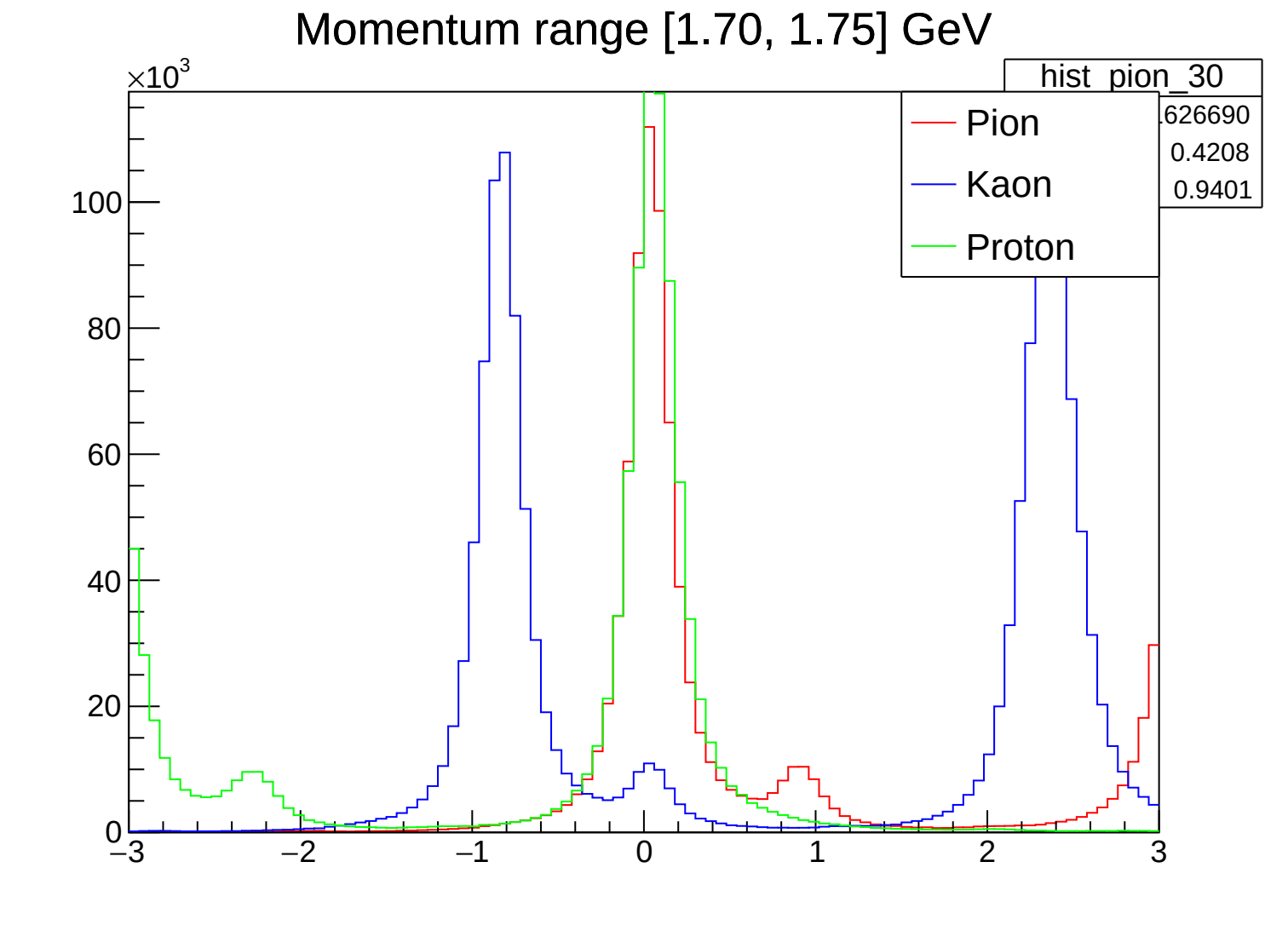

Momentum range [1.45, 1.50] GeV
×10^3
hist_pion_25
168959
0.1458
0.5072
Pion
Kaon
Proton
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

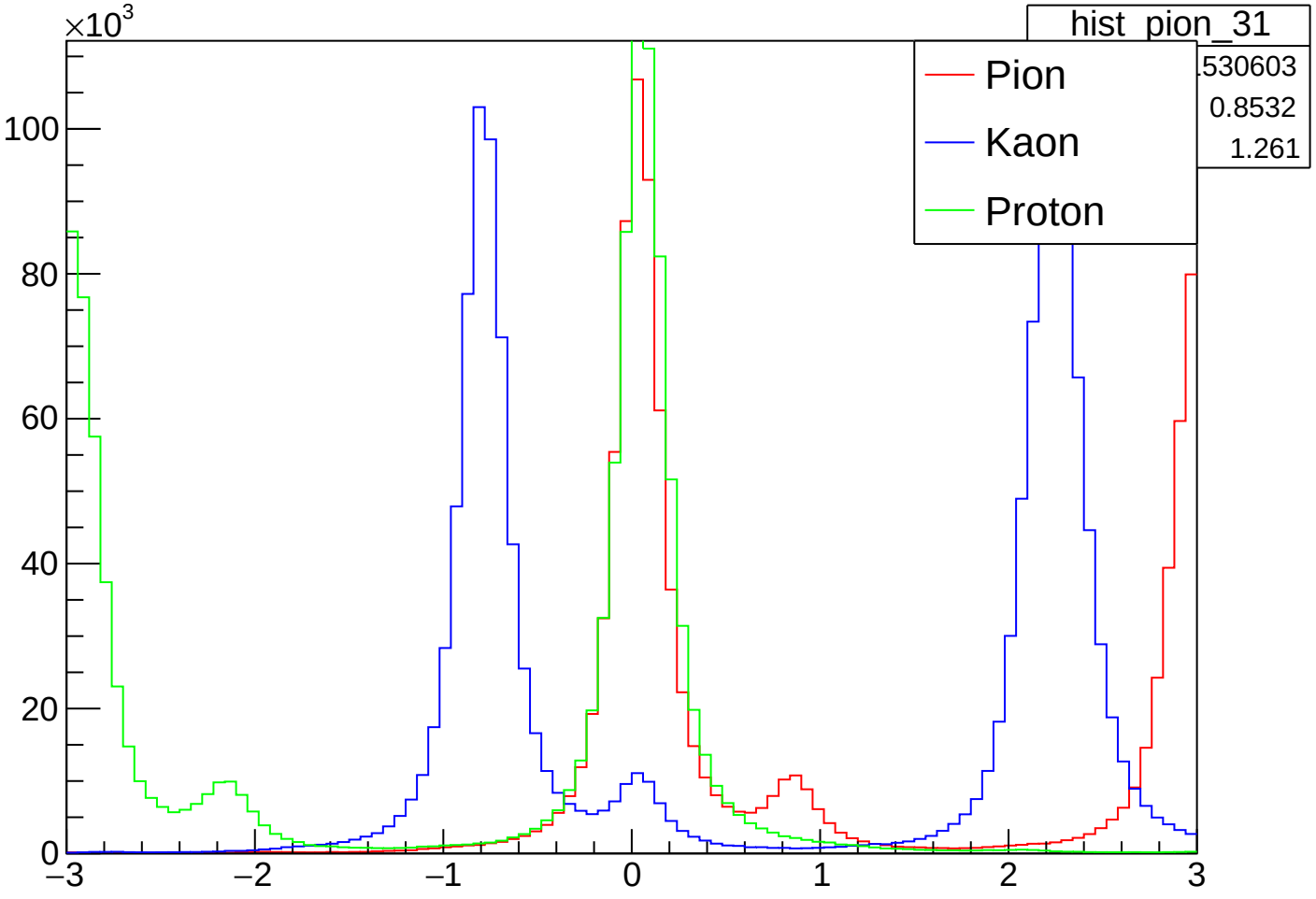

Momentum range [1.50, 1.55] GeV
×10^3
hist_pion_26
052045
0.1519
0.5152
Pion
Kaon
Proton
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

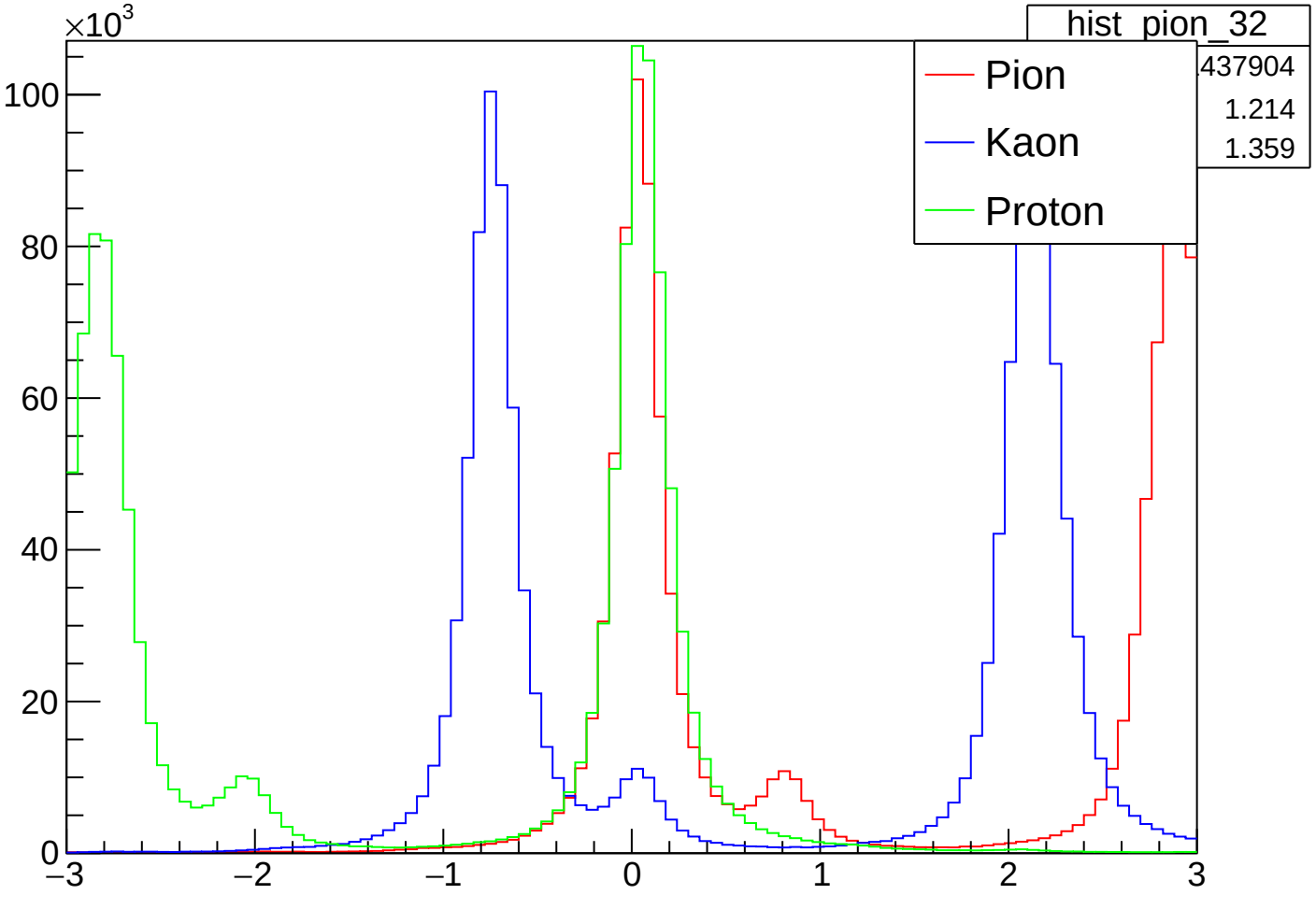

Momentum range [1.55, 1.60] GeV
×10^3
hist_pion_27
941605
0.1618
0.5412
Pion
Kaon
Proton
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


Momentum range [1.60, 1.65] GeV
×10^3
hist_pion_28
832500
0.1853
0.5883
Pion
Kaon
Proton
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


Momentum range [1.65, 1.70] GeV
×10^3
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
hist_pion_29
726369
0.2408
0.6921
Pion
Kaon
Proton


Momentum range [1.70, 1.75] GeV
×10^3
hist_pion_30
626690
0.4208
0.9401
Pion
Kaon
Proton
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


Momentum range [1.75, 1.80] GeV
×10^3
hist_pion_31
530603
0.8532
1.261
Pion
Kaon
Proton
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


Momentum range [1.80, 1.85] GeV
×10^3
hist_pion_32
437904
1.214
1.359
Pion
Kaon
Proton
100
80
60
40
20
0
−3
−2
−1
0
1
2
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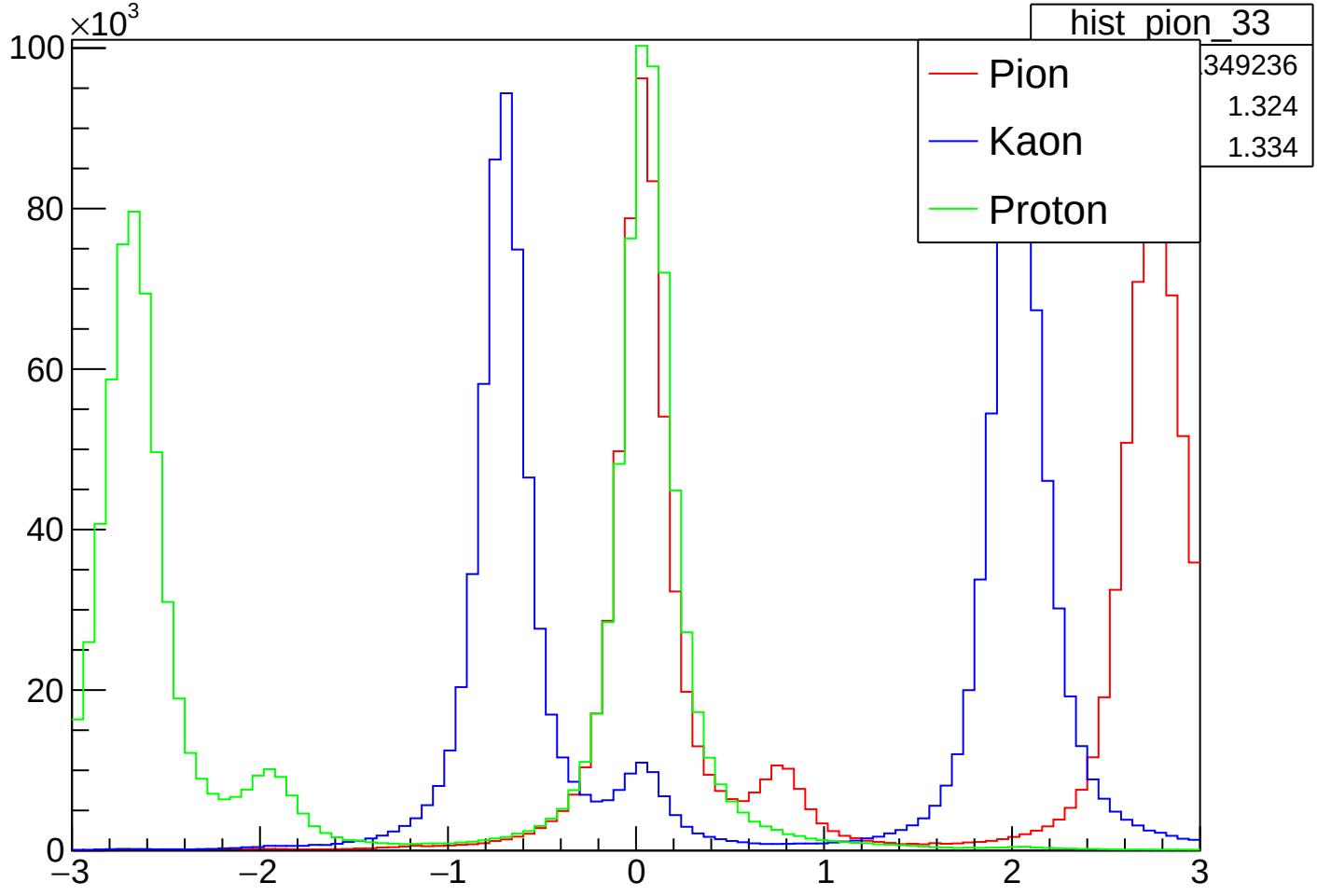
Momentum range [1.85, 1.90] GeV
×10^3
100
80
60
40
20
0
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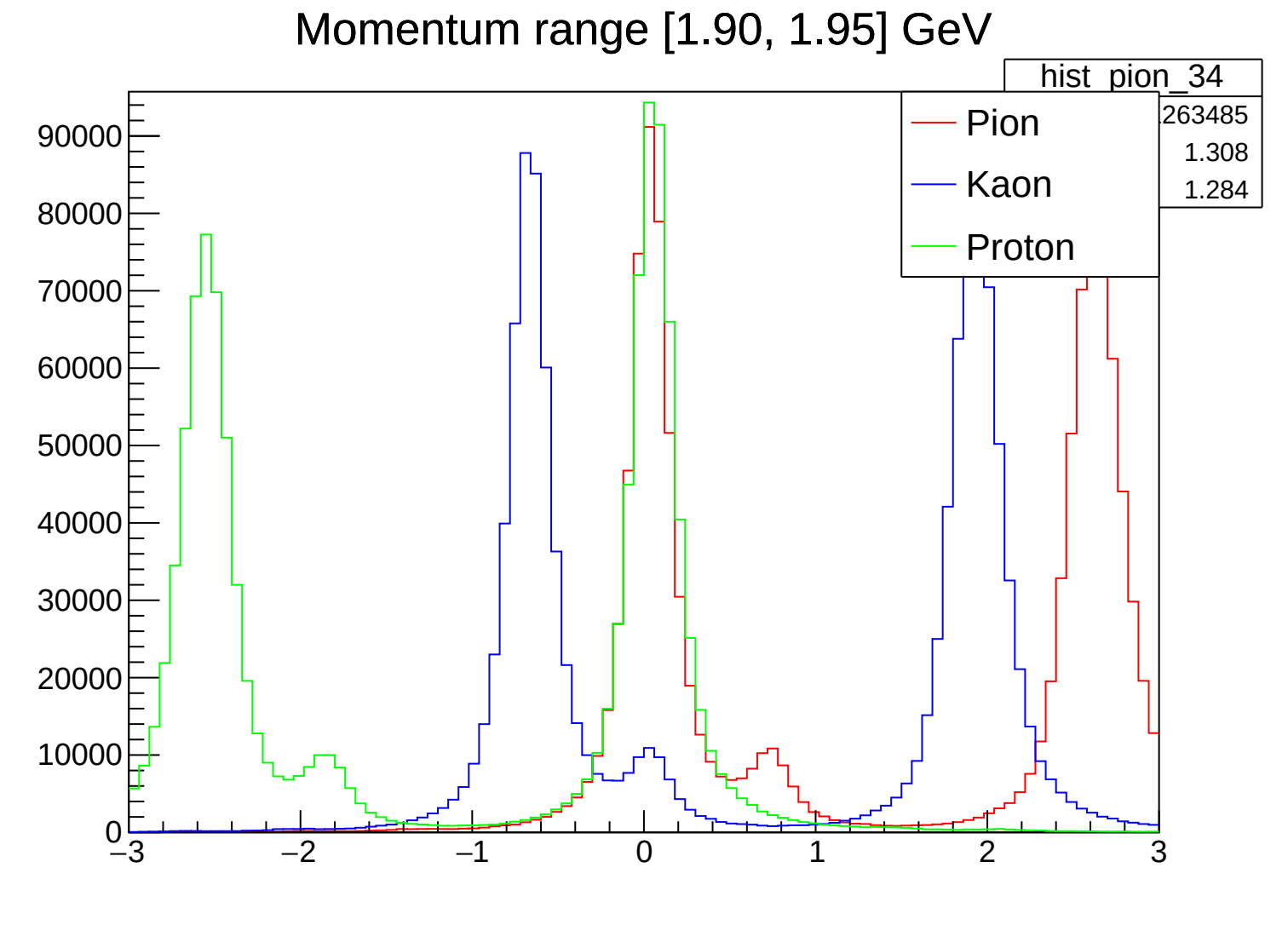
0
1
2
3
hist_pion_33
349236
1.324
1.334
Pion
Kaon
Proton


Momentum range [1.90, 1.95] GeV
hist_pion_34
263485
1.308
1.284
Pion
Kaon
Proton
90000
80000
70000
60000
50000
40000
30000
20000
10000
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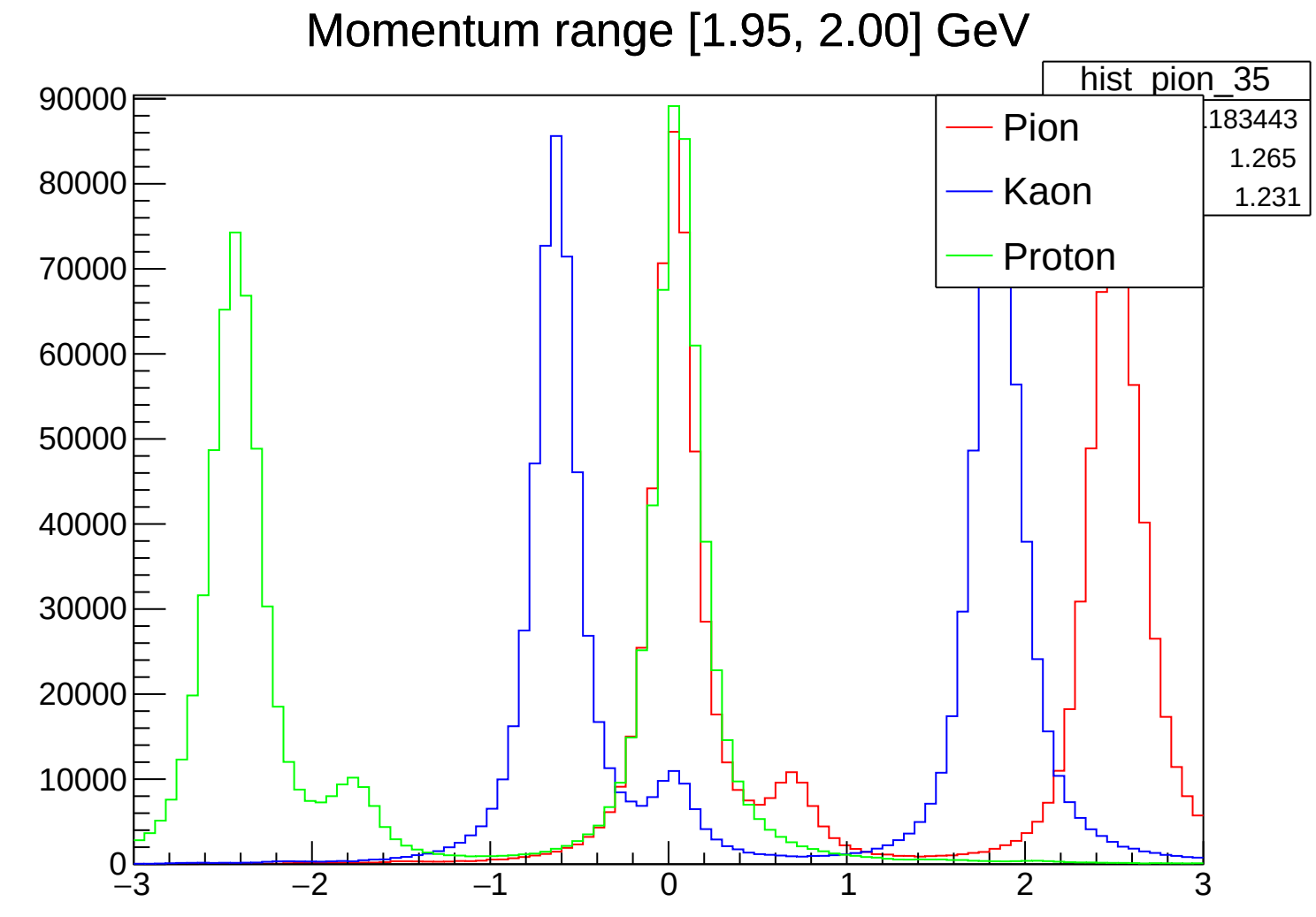
−3
−2
−1
0
1
2
3


Momentum range [1.95, 2.00] GeV
hist_pion_35
183443
1.265
1.231
Pion
Kaon
Proton
90000
80000
70000
60000
50000
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30000
20000
10000
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−3
−2
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1
2
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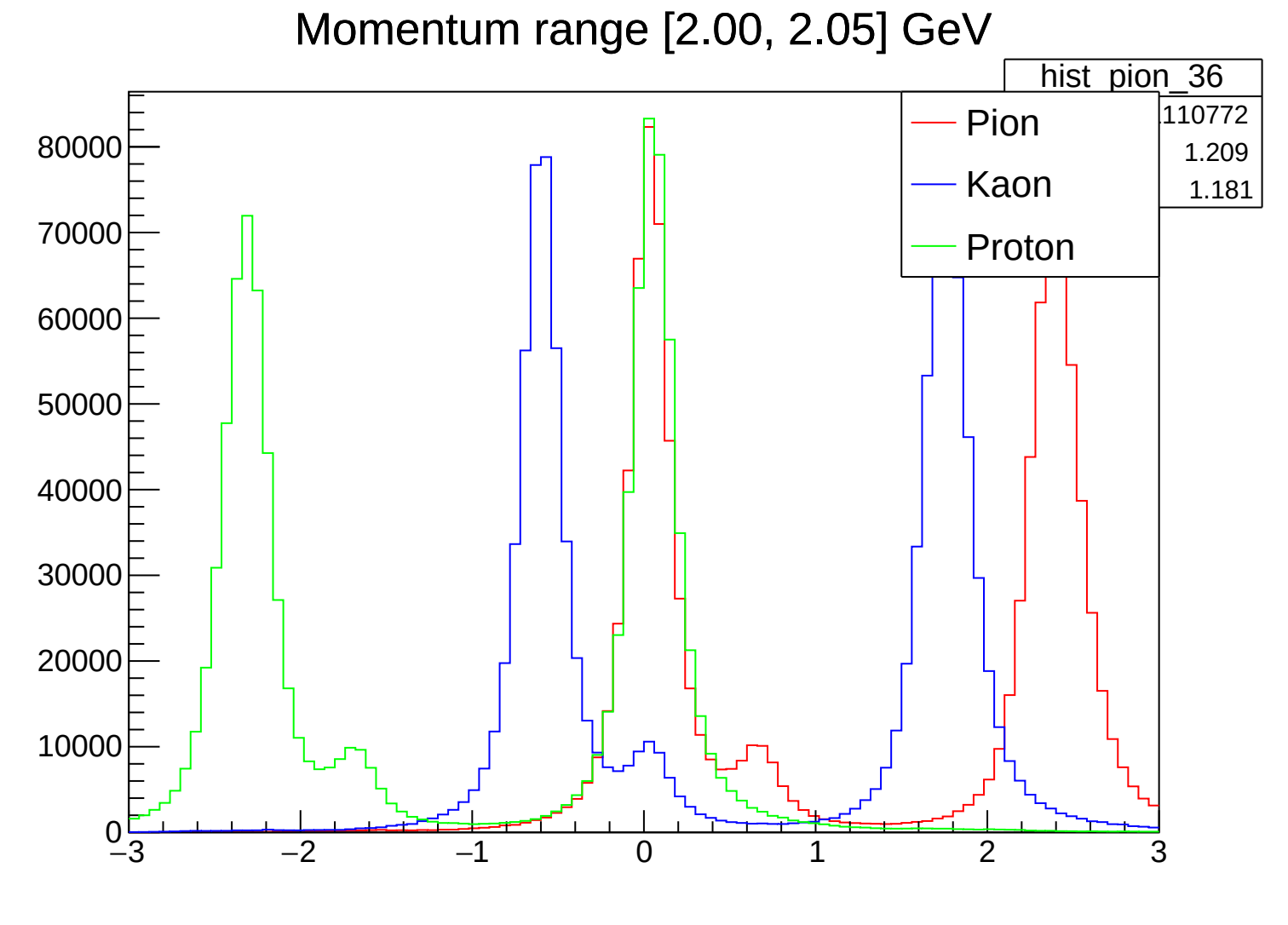
Momentum range [2.00, 2.05] GeV
hist_pion_36
110772
1.209
1.181
Pion
Kaon
Proton
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−2
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2
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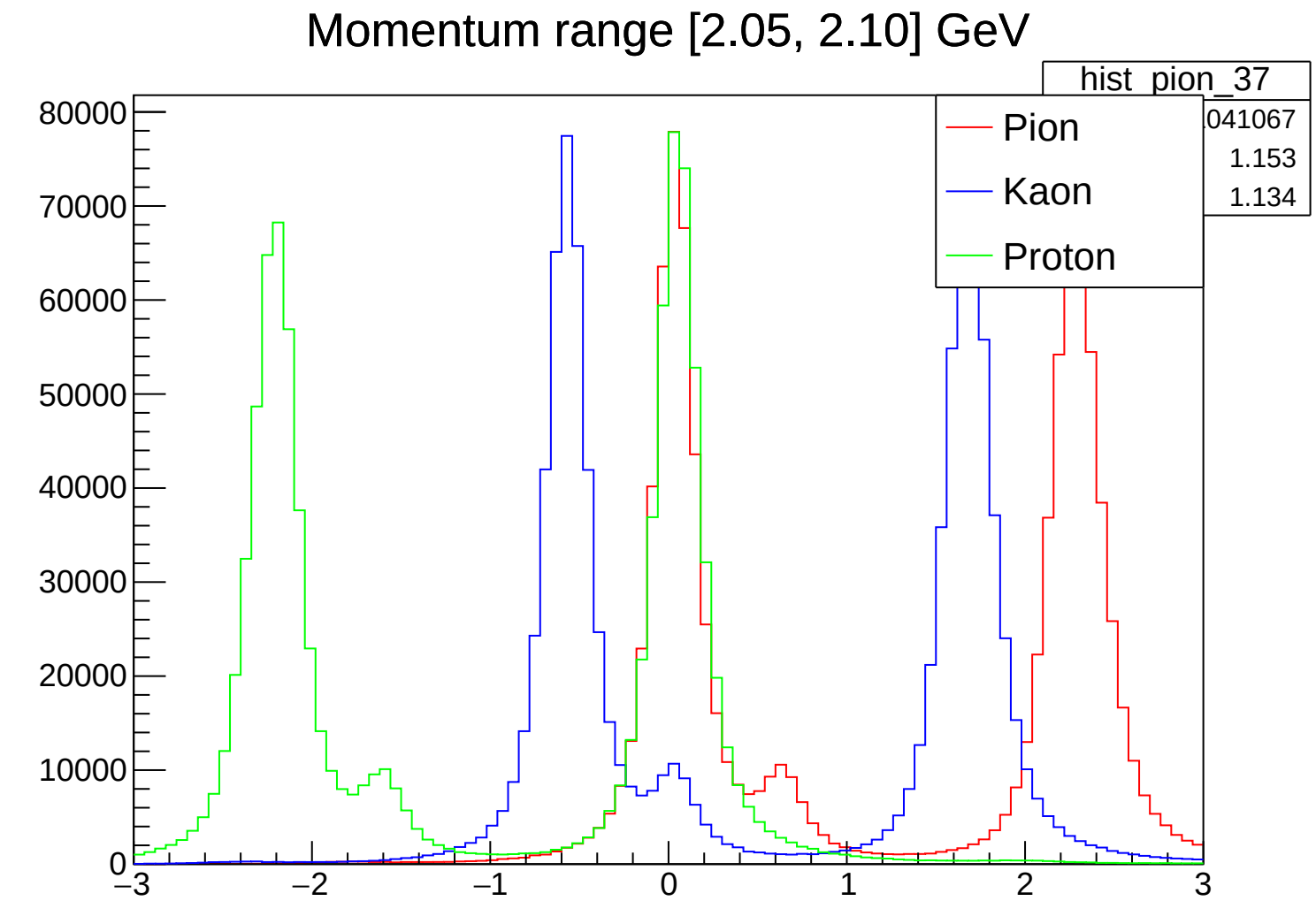
Momentum range [2.05, 2.10] GeV
hist_pion_37
041067
1.153
1.134
Pion
Kaon
Proton
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50000
40000
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20000
10000
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−3
−2
−1
0
1
2
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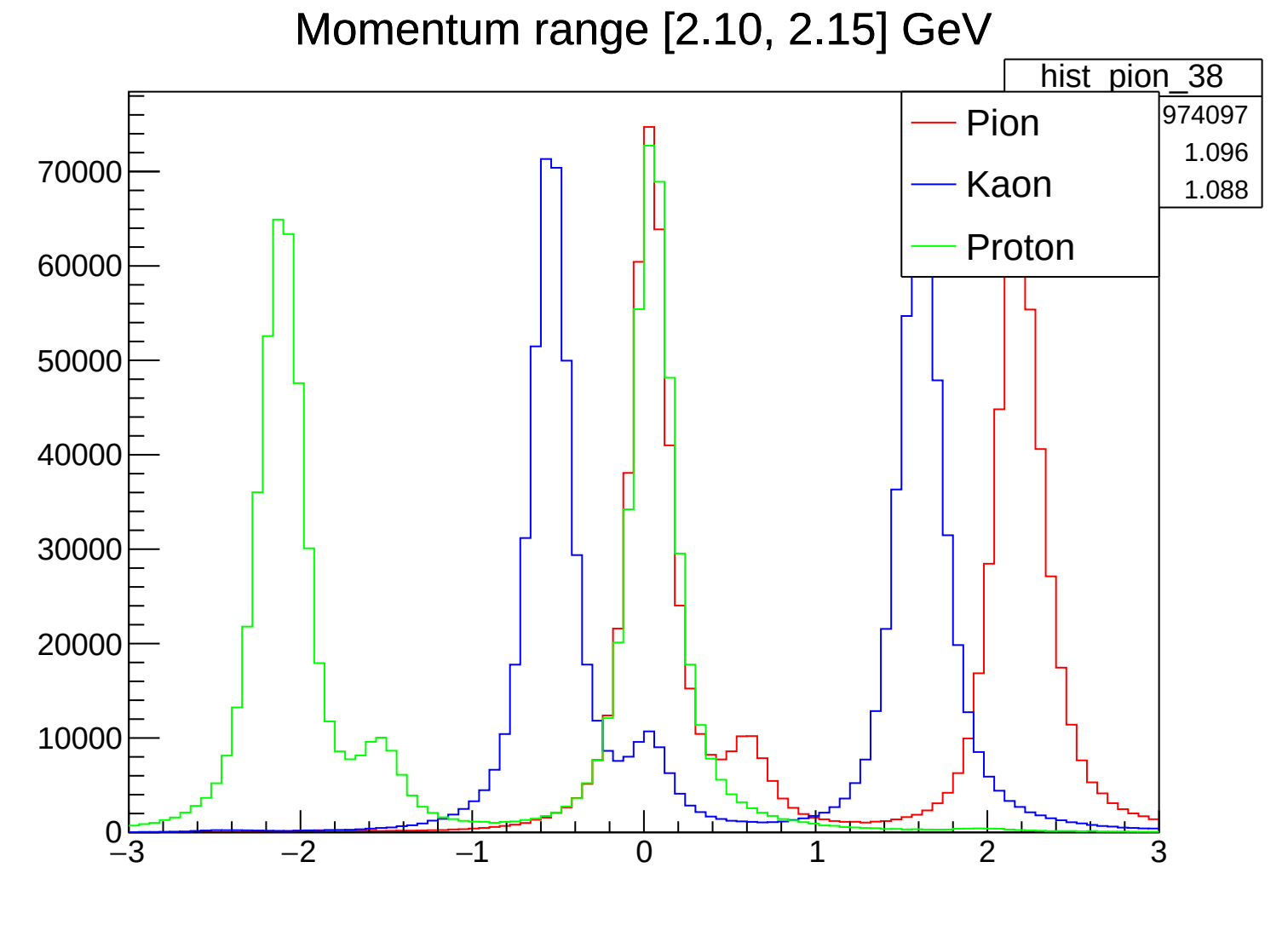
Momentum range [2.10, 2.15] GeV
hist_pion_38
974097
1.096
1.088
Pion
Kaon
Proton
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60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
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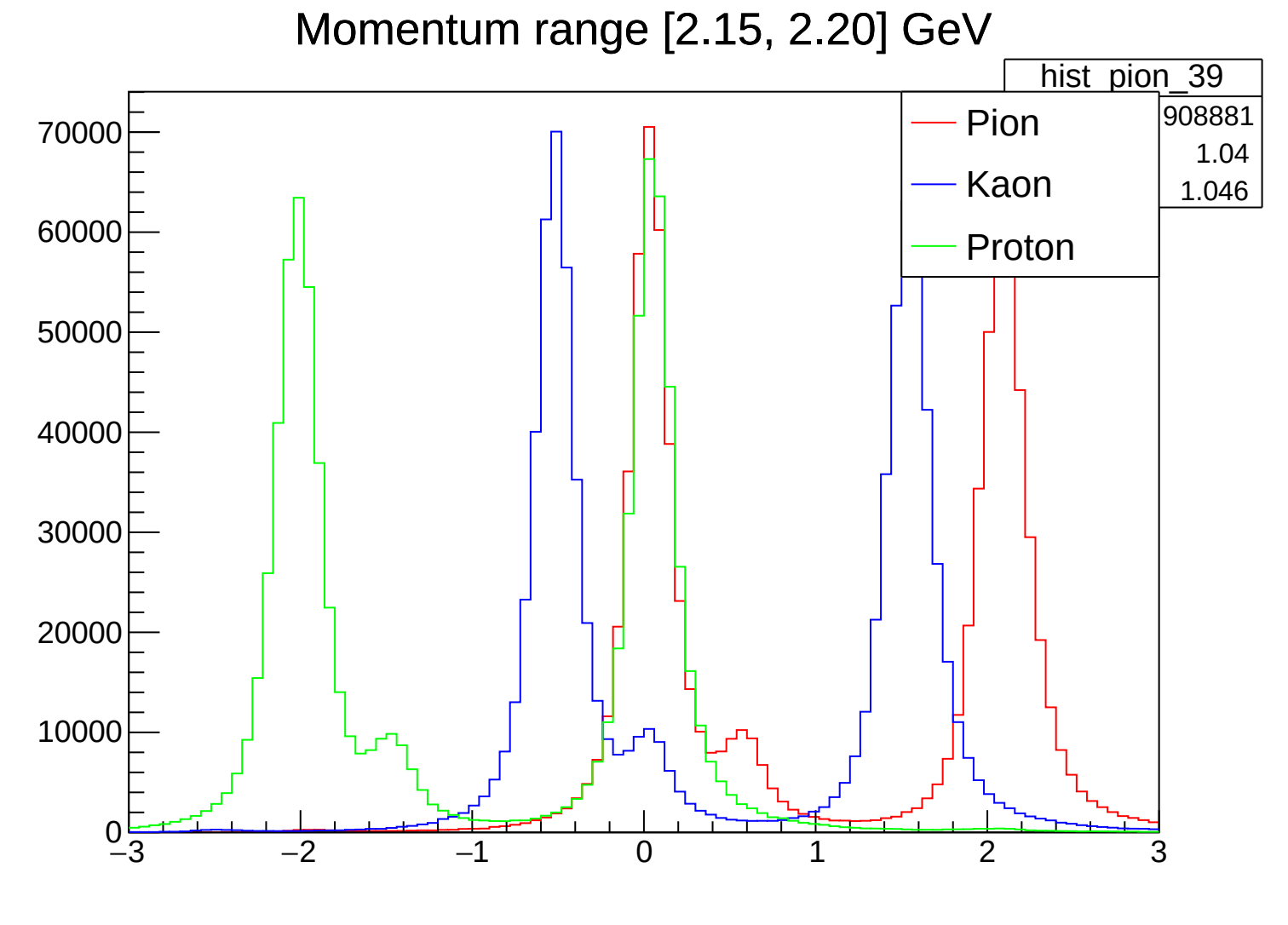
Momentum range [2.15, 2.20] GeV
hist_pion_39
908881
1.04
1.046
Pion
Kaon
Proton
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−3
−2
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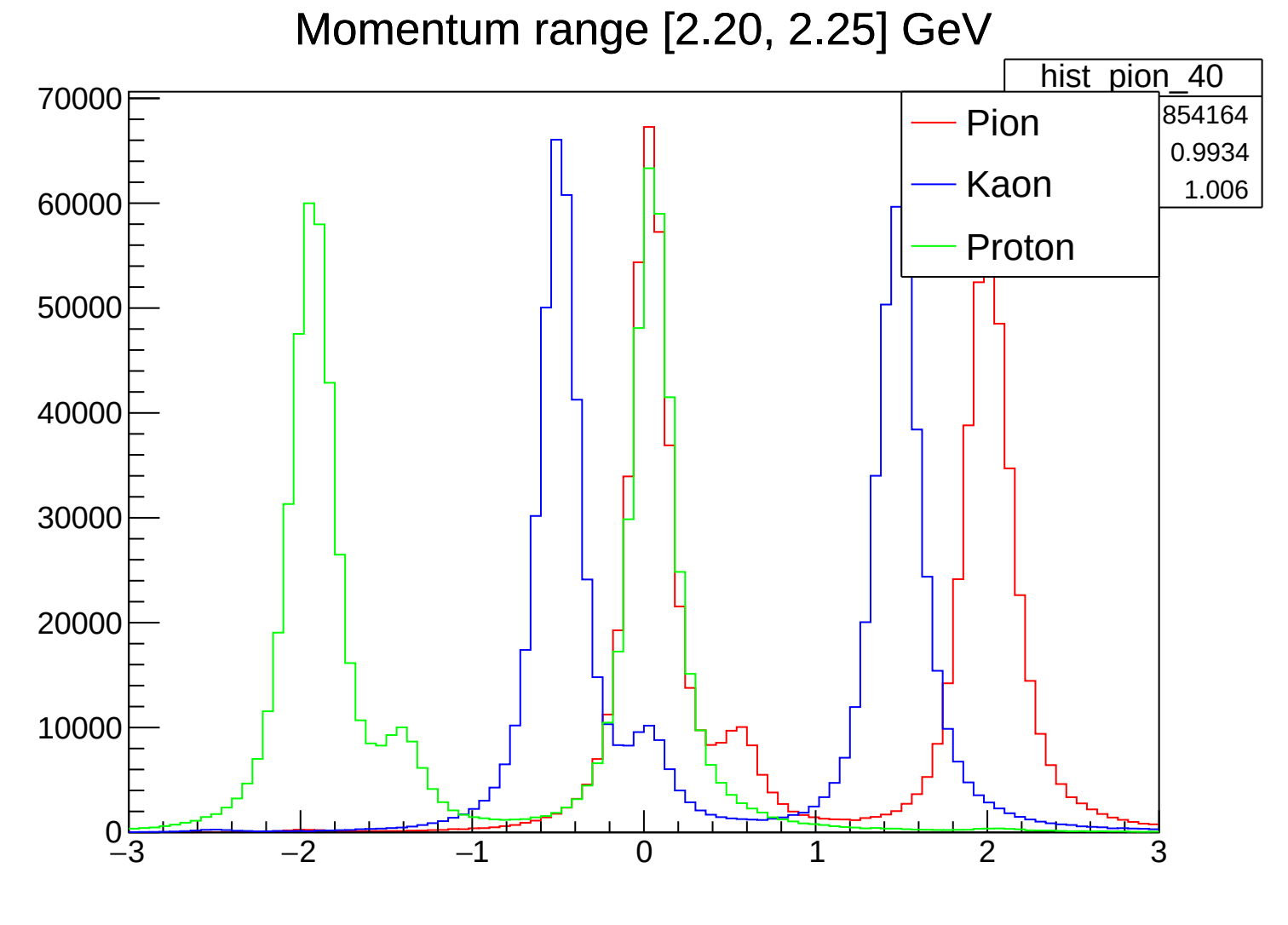
0
1
2
3


Momentum range [2.20, 2.25] GeV
hist_pion_40
854164
0.9934
1.006
Pion
Kaon
Proton
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60000
50000
40000
30000
20000
10000
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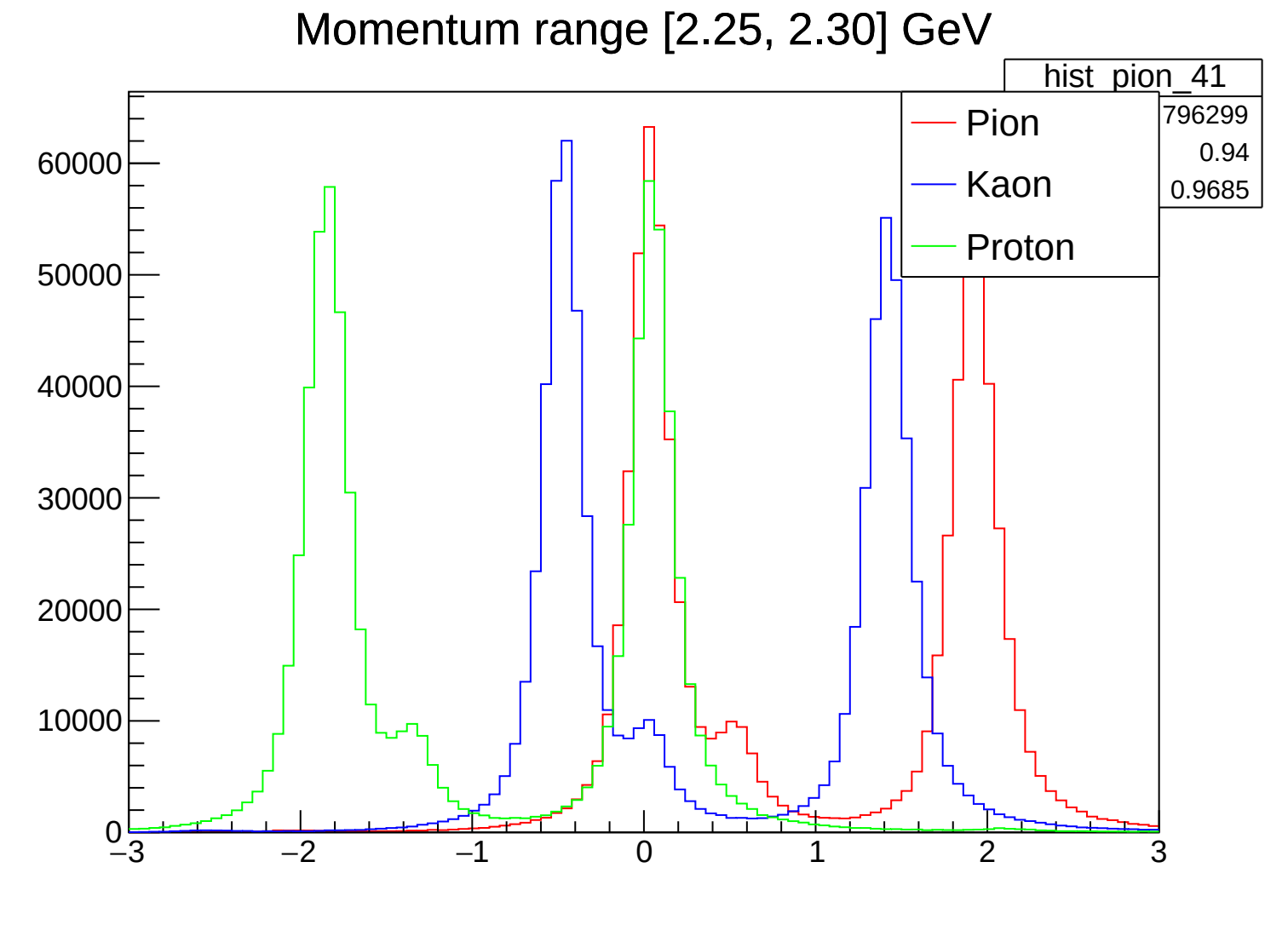
−3
−2
−1
0
1
2
3


Momentum range [2.25, 2.30] GeV
hist_pion_41
796299
0.94
0.9685
Pion
Kaon
Proton
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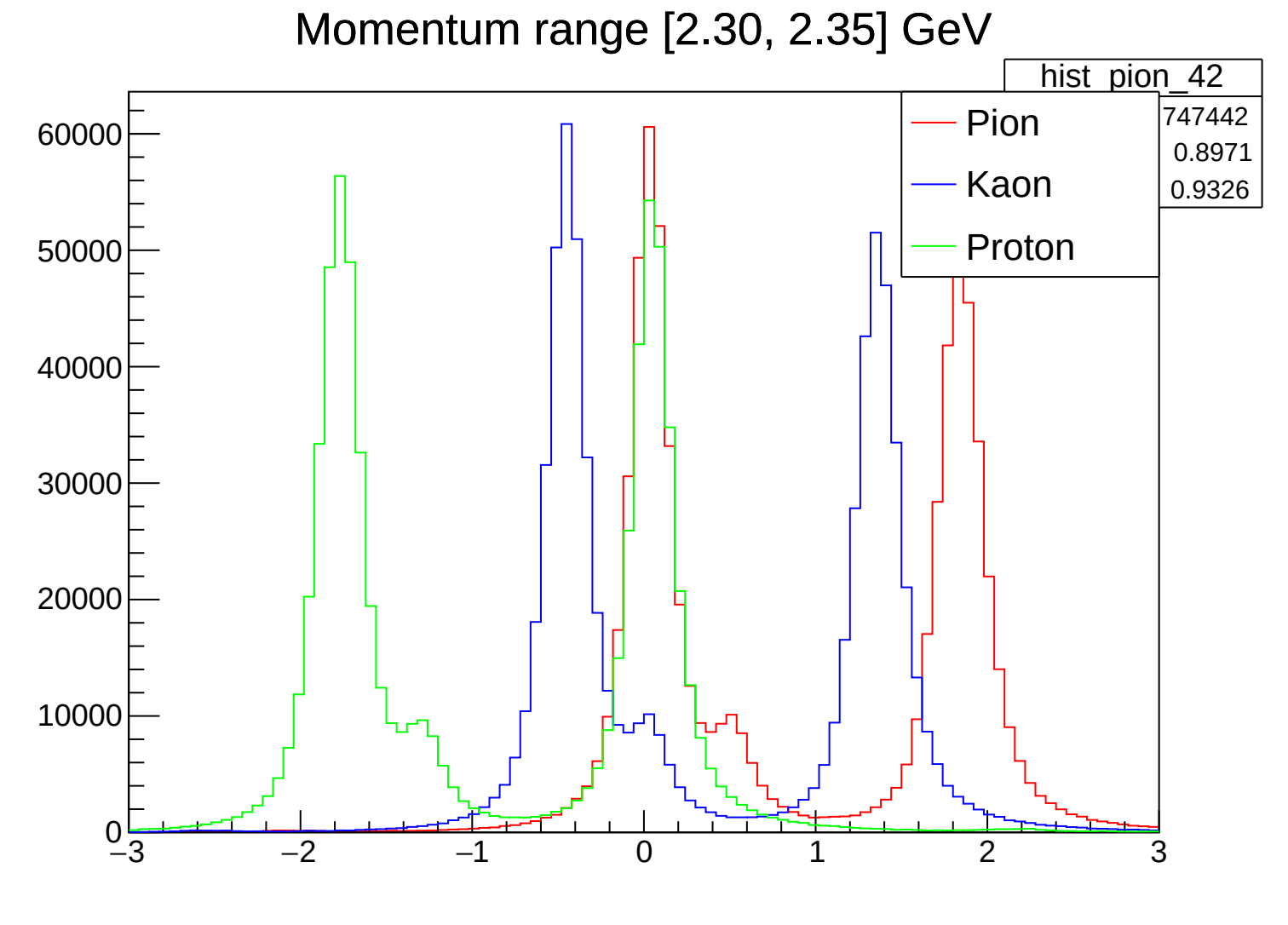
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3


Momentum range [2.30, 2.35] GeV
hist_pion_42
747442
0.8971
0.9326
Pion
Kaon
Proton
60000
50000
40000
30000
20000
10000
0
−3
−2
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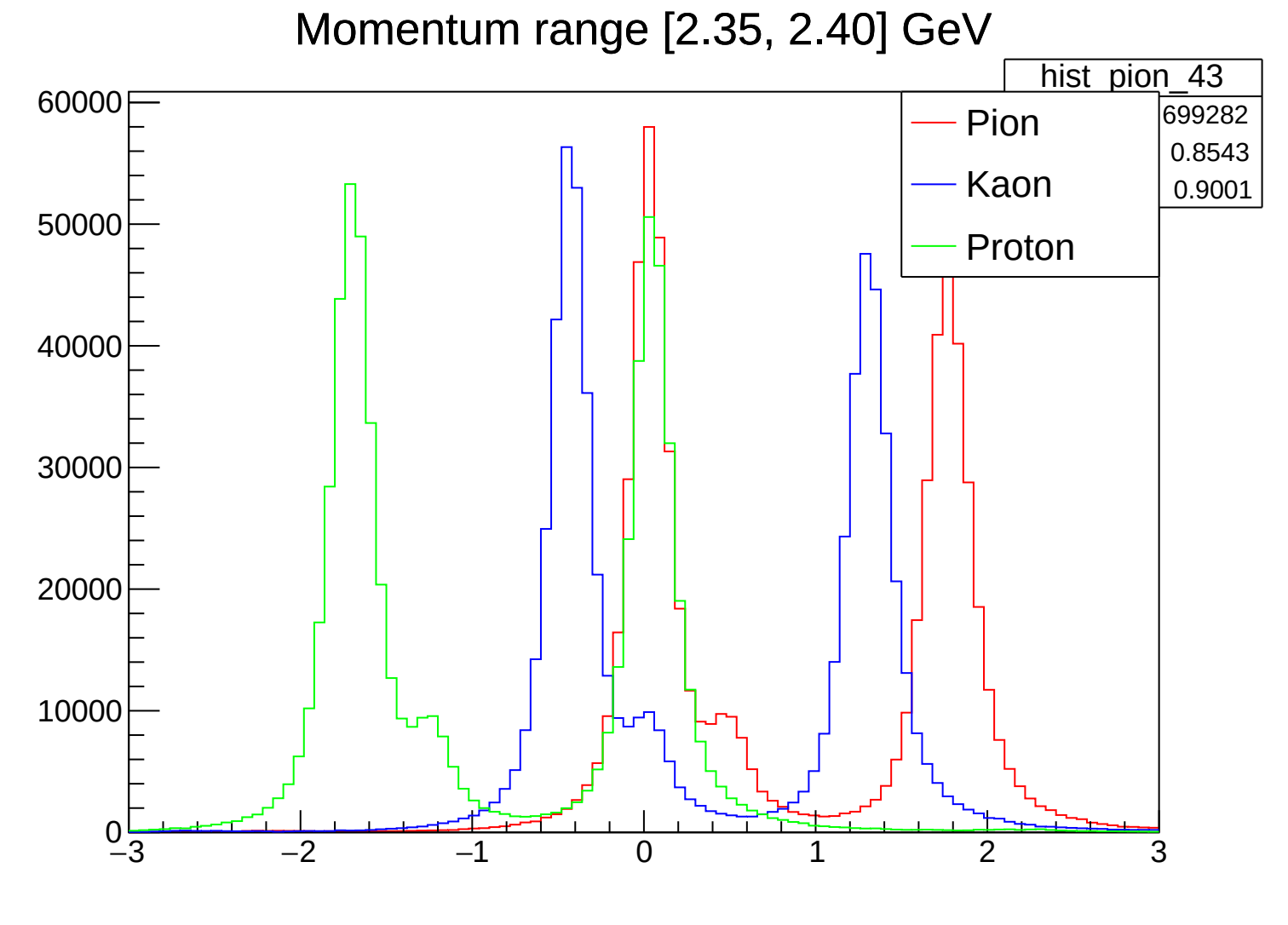
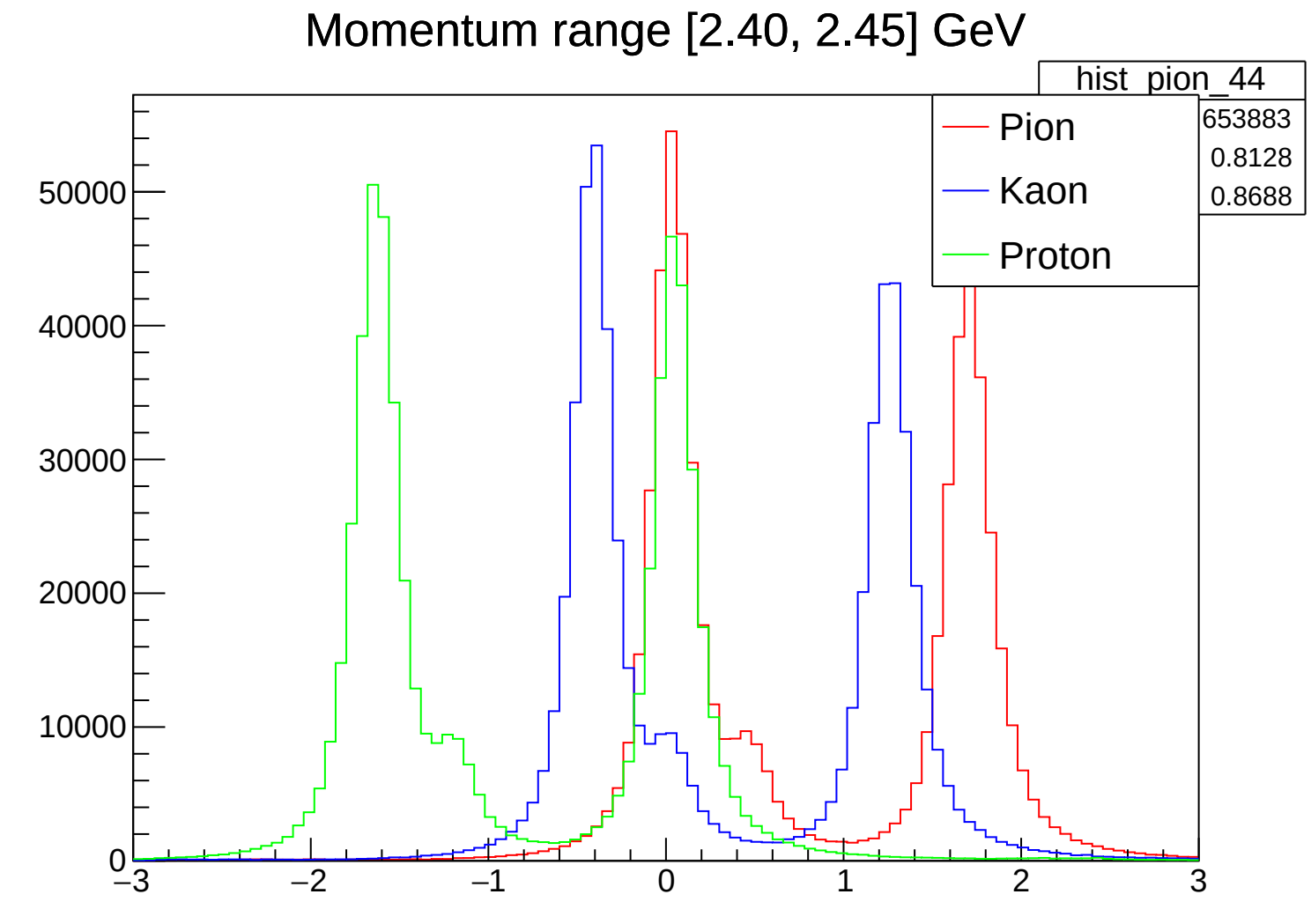
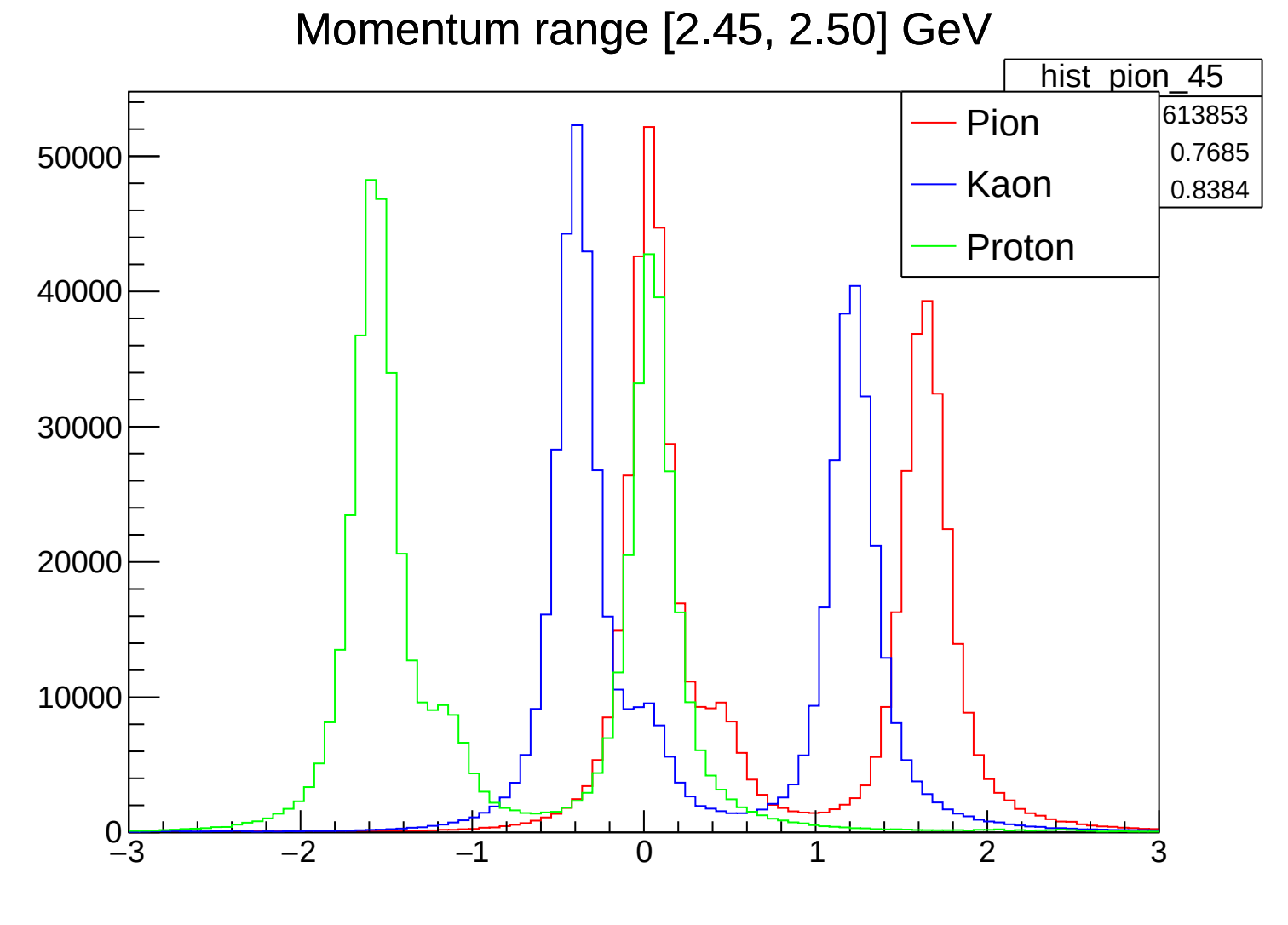
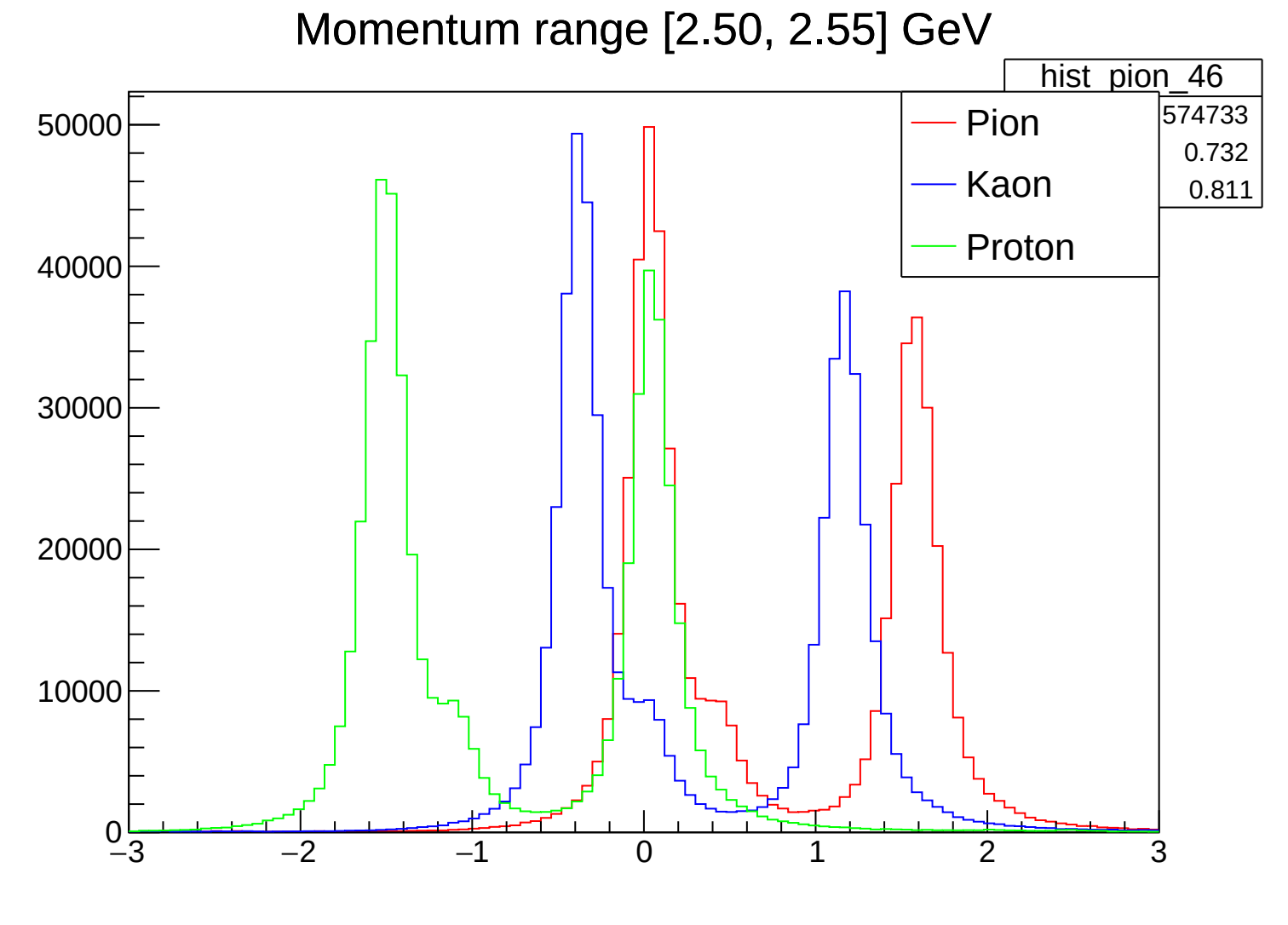
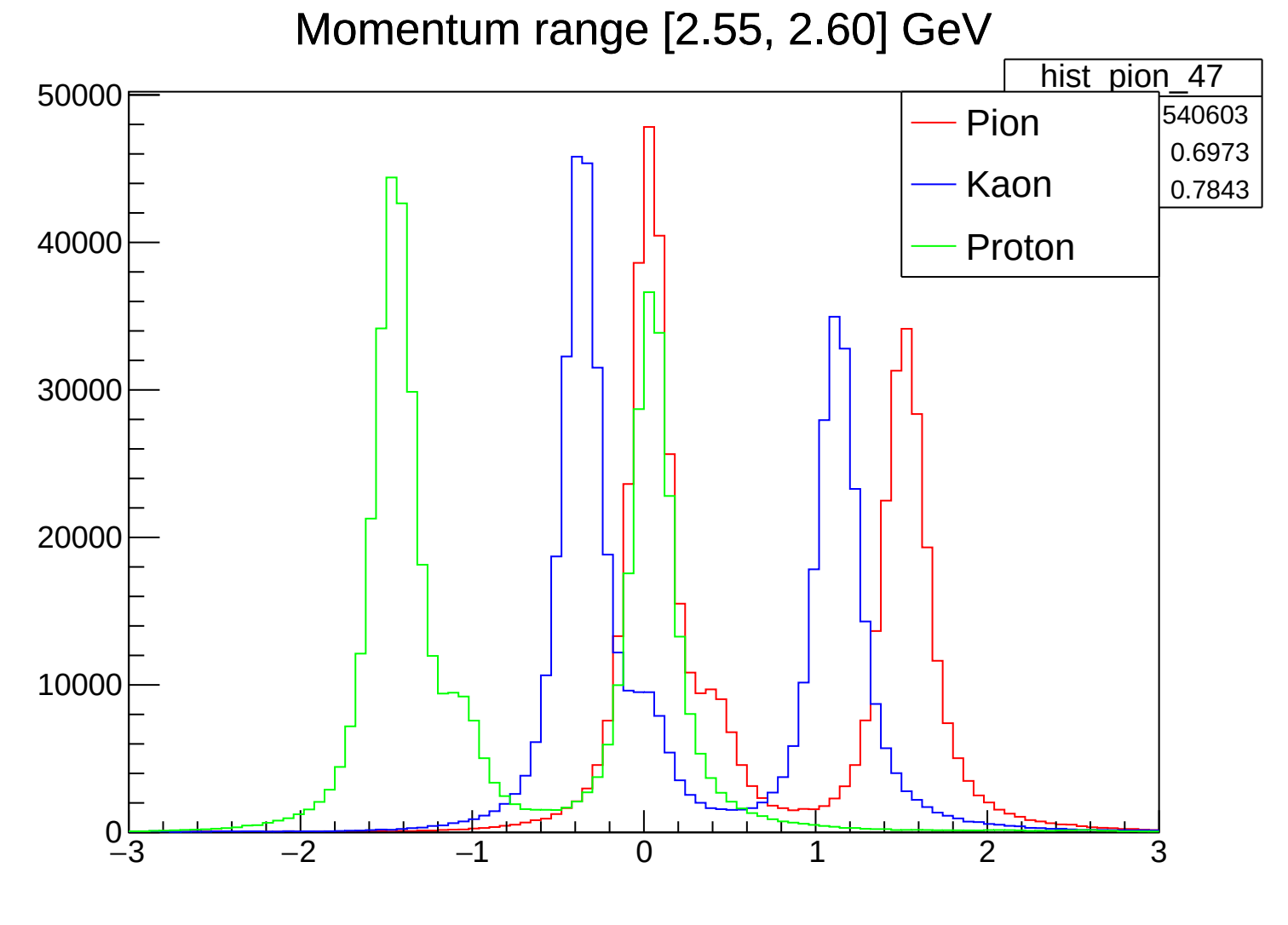
0
1
2
3

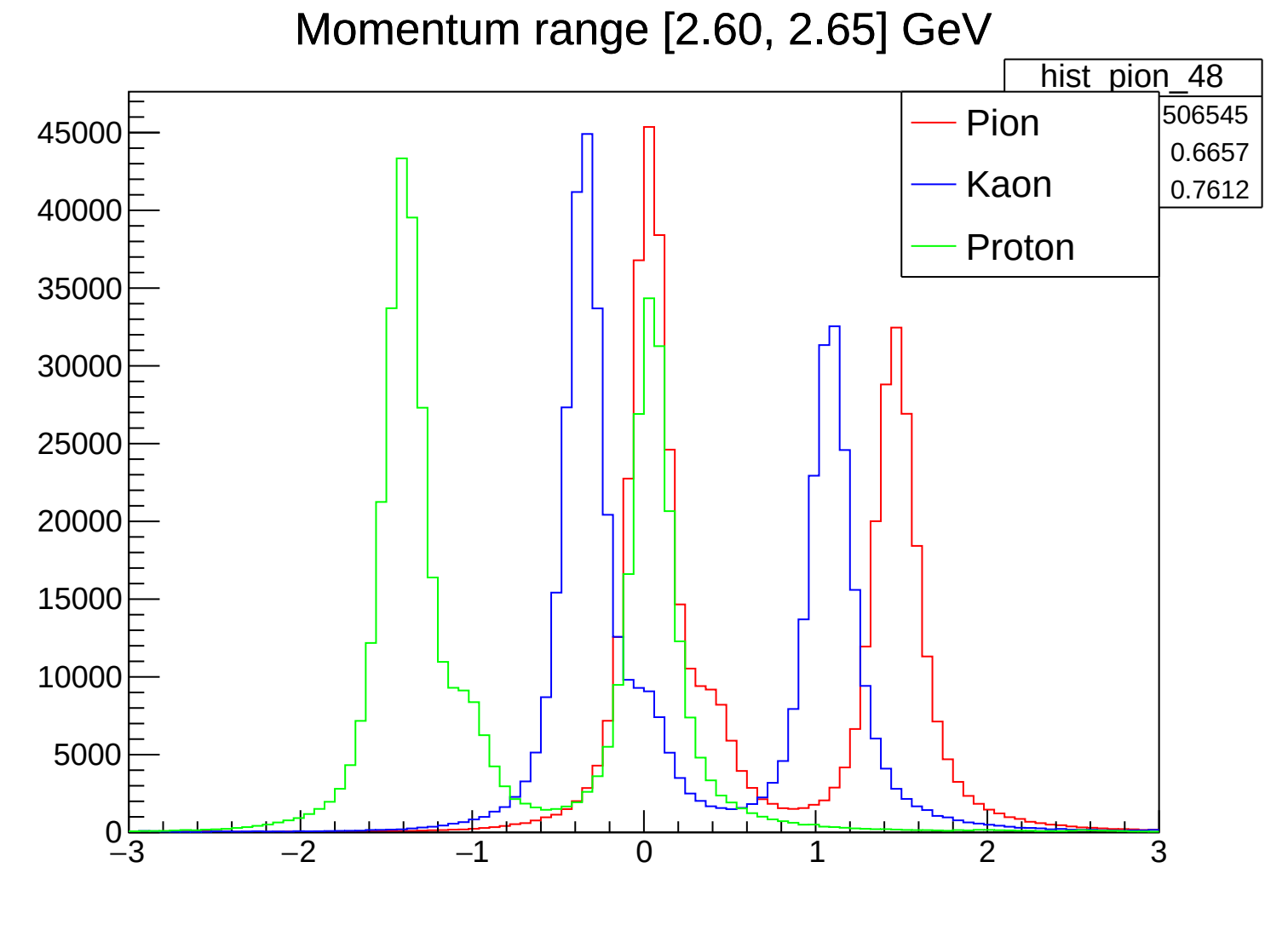

Momentum range [2.35, 2.40] GeV
hist_pion_43
699282
0.8543
0.9001
Pion
Kaon
Proton
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

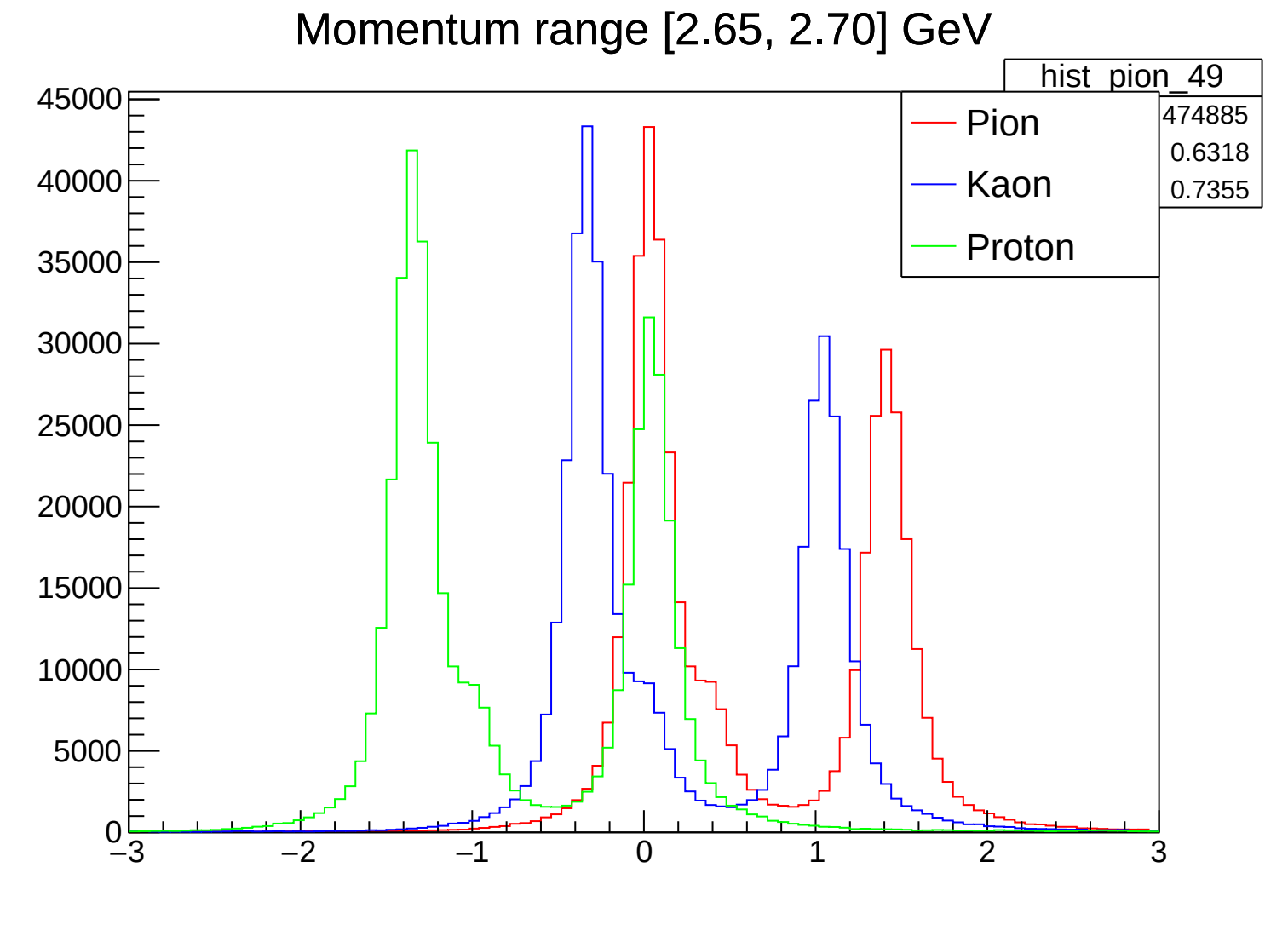

Momentum range [2.40, 2.45] GeV
hist_pion_44
653883
0.8128
0.8688
Pion
Kaon
Proton
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

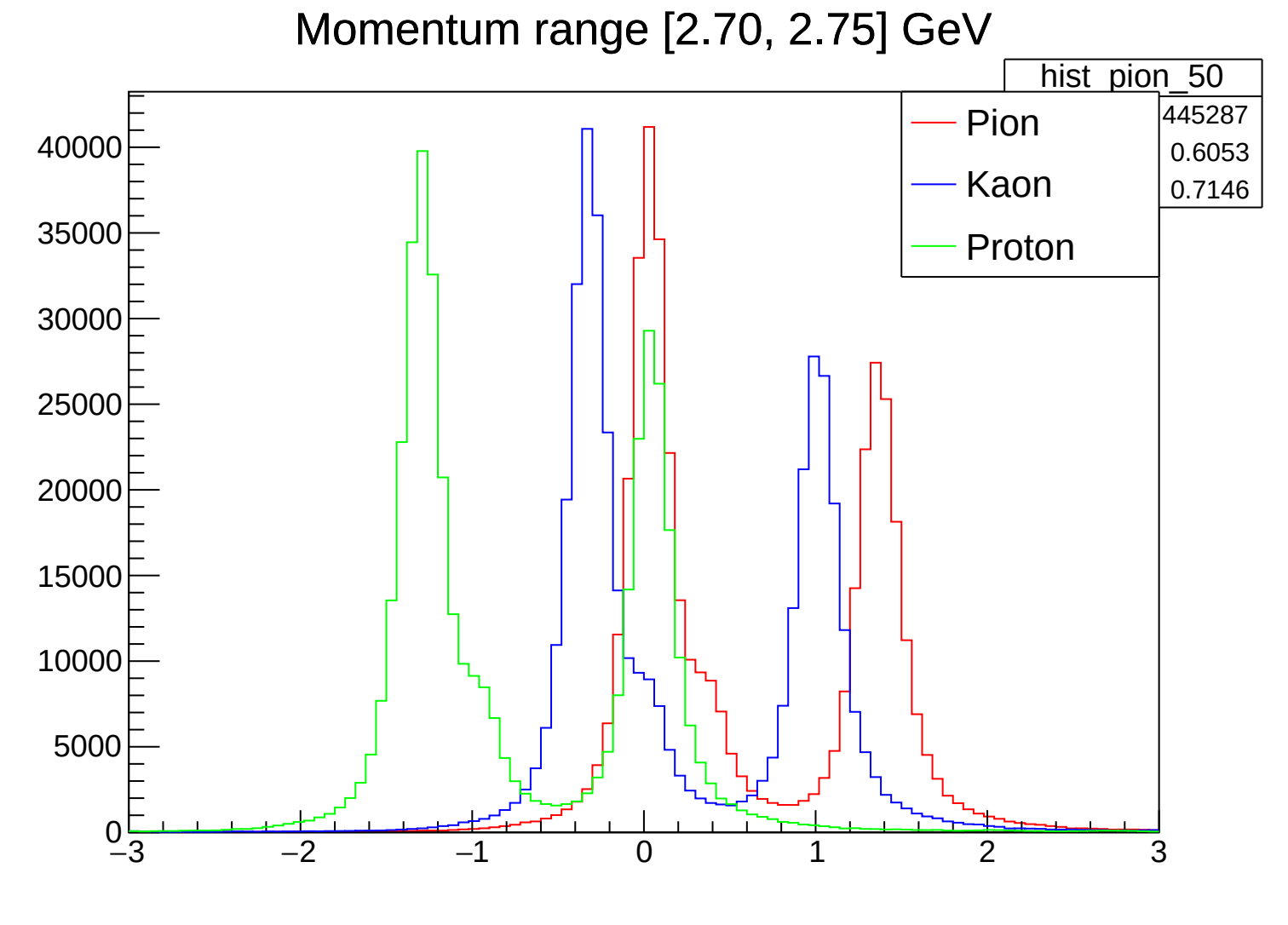

Momentum range [2.45, 2.50] GeV
hist_pion_45
613853
0.7685
0.8384
Pion
Kaon
Proton
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

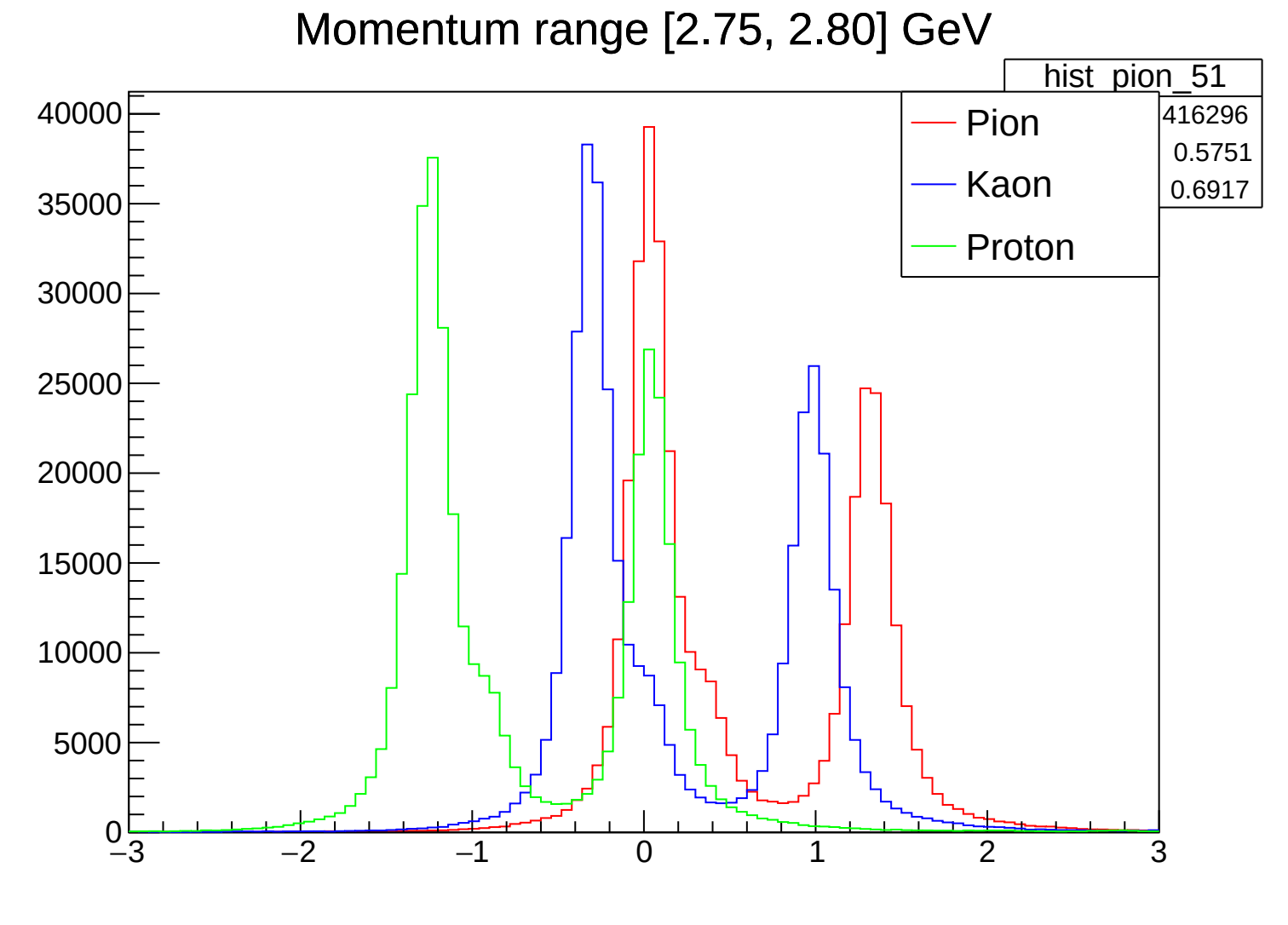

Momentum range [2.50, 2.55] GeV
hist_pion_46
574733
0.732
0.811
Pion
Kaon
Proton
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

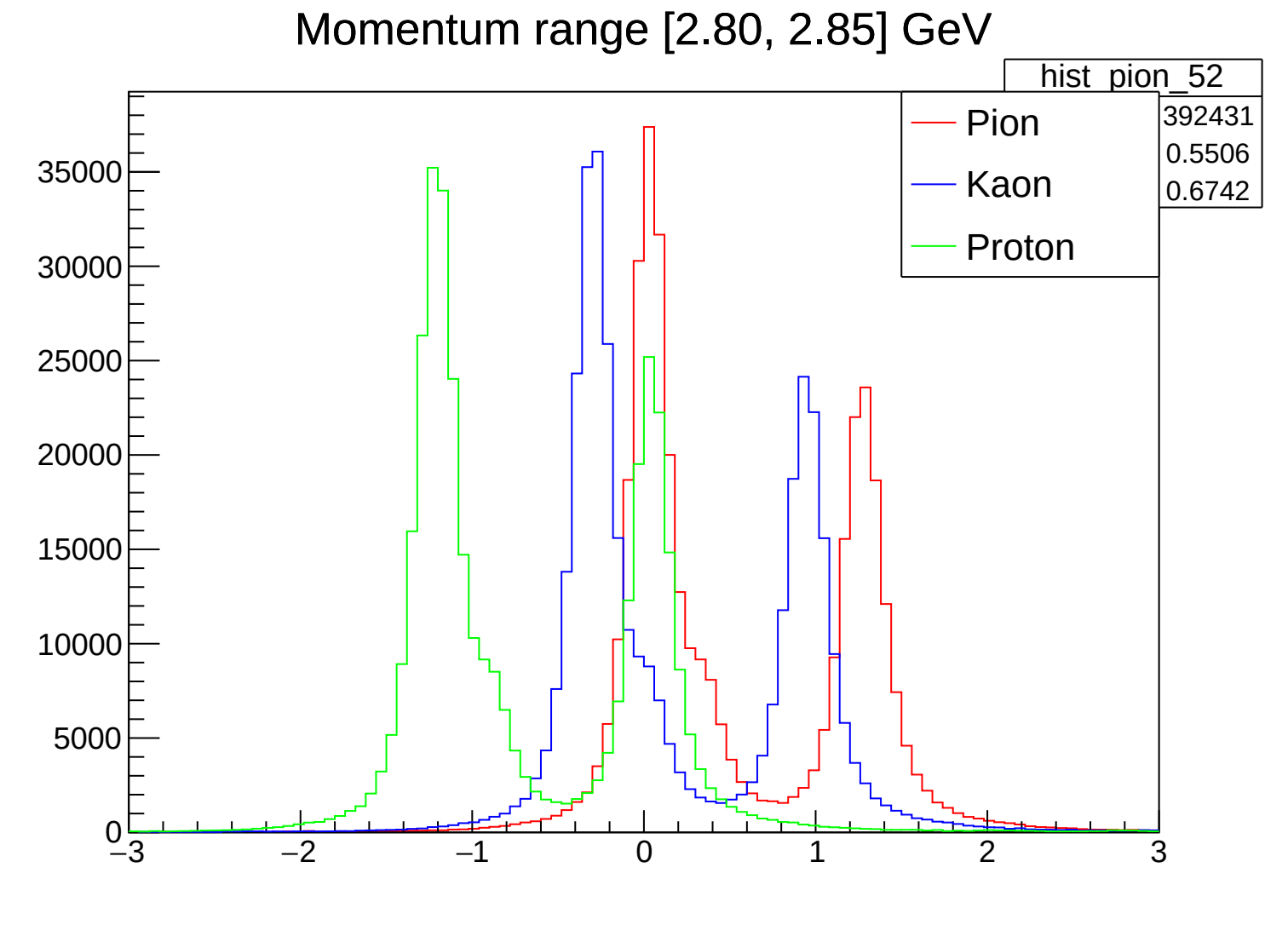

Momentum range [2.55, 2.60] GeV
hist_pion_47
540603
0.6973
0.7843
Pion
Kaon
Proton
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

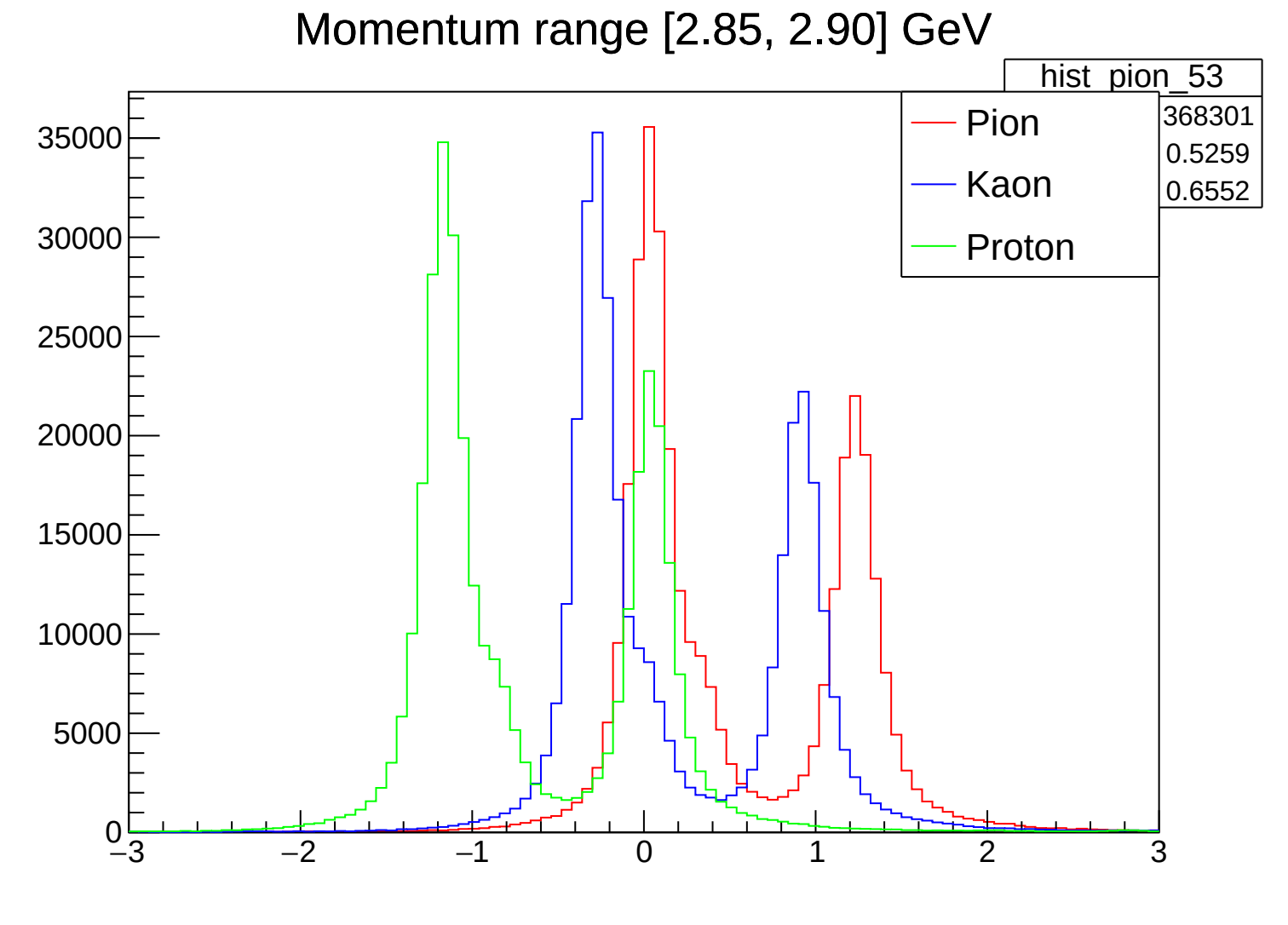

Momentum range [2.60, 2.65] GeV
hist_pion_48
506545
0.6657
0.7612
Pion
Kaon
Proton
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.65, 2.70] GeV
hist_pion_49
474885
0.6318
0.7355
Pion
Kaon
Proton
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.70, 2.75] GeV
hist_pion_50
445287
0.6053
0.7146
Pion
Kaon
Proton
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.75, 2.80] GeV
hist_pion_51
416296
0.5751
0.6917
Pion
Kaon
Proton
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.80, 2.85] GeV
hist_pion_52
392431
0.5506
0.6742
Pion
Kaon
Proton
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.85, 2.90] GeV
hist_pion_53
368301
0.5259
0.6552
Pion
Kaon
Proton
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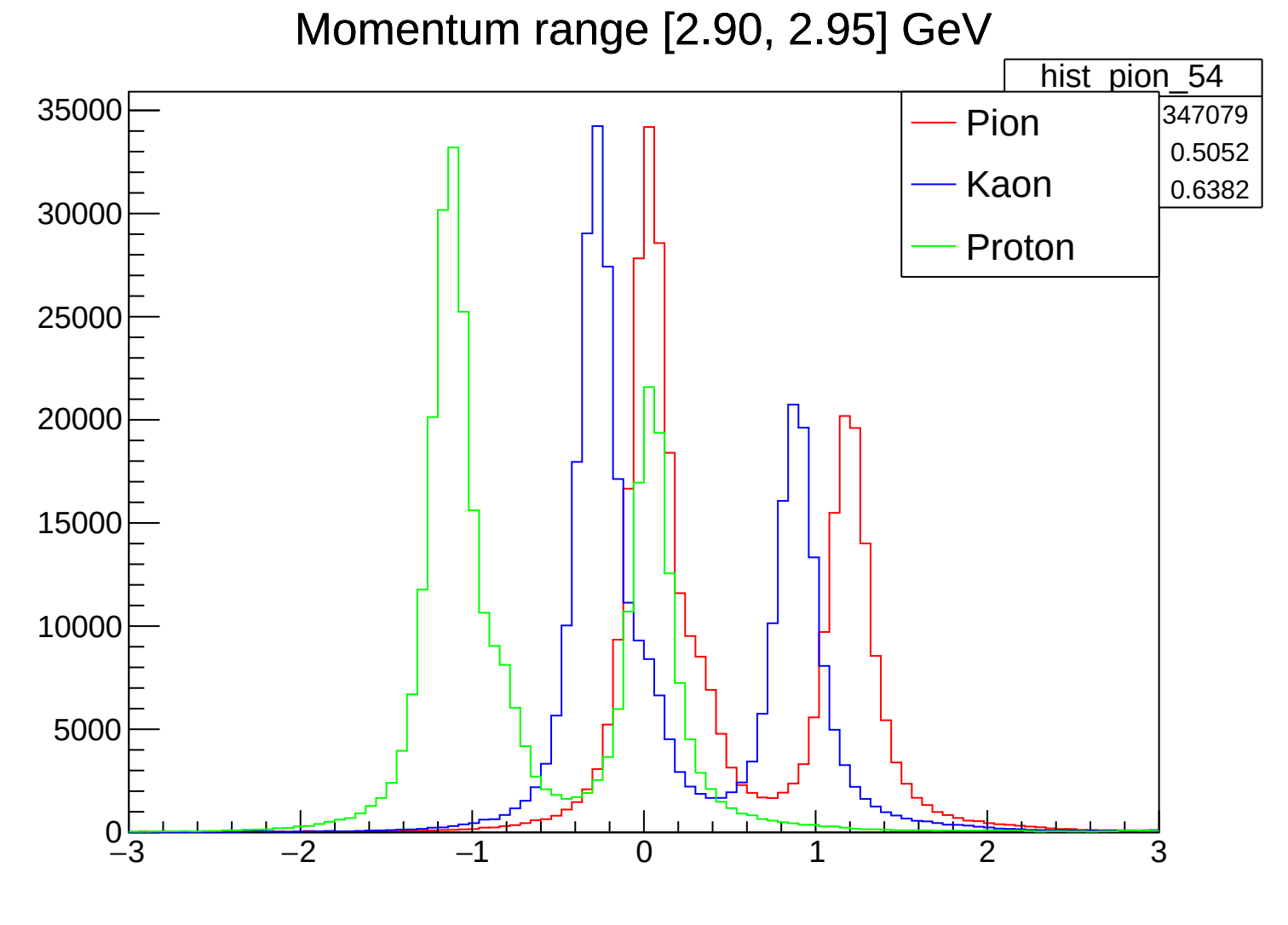
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.90, 2.95] GeV
hist pion_54
347079
0.5052
0.6382
Pion
Kaon
Proton
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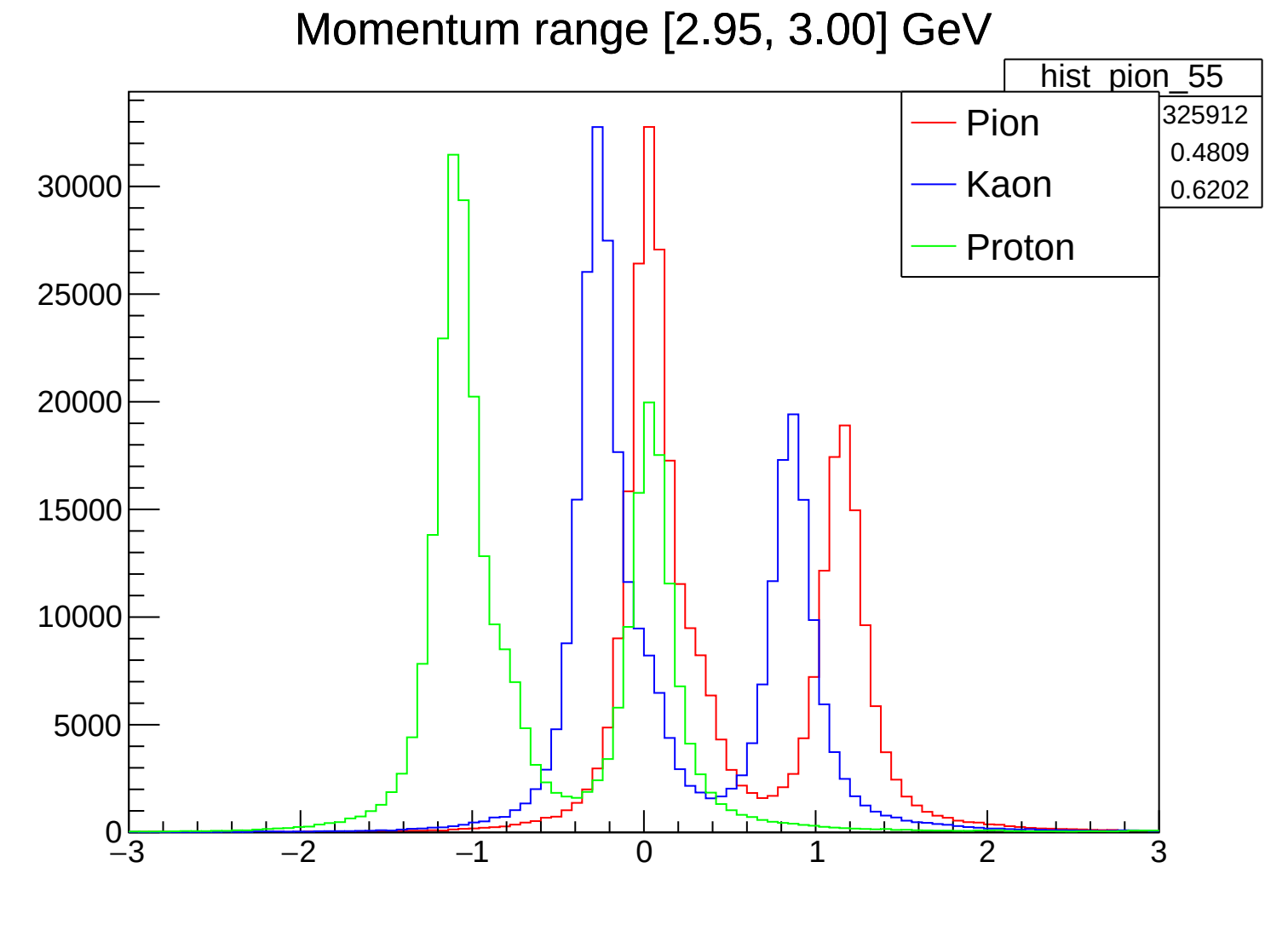
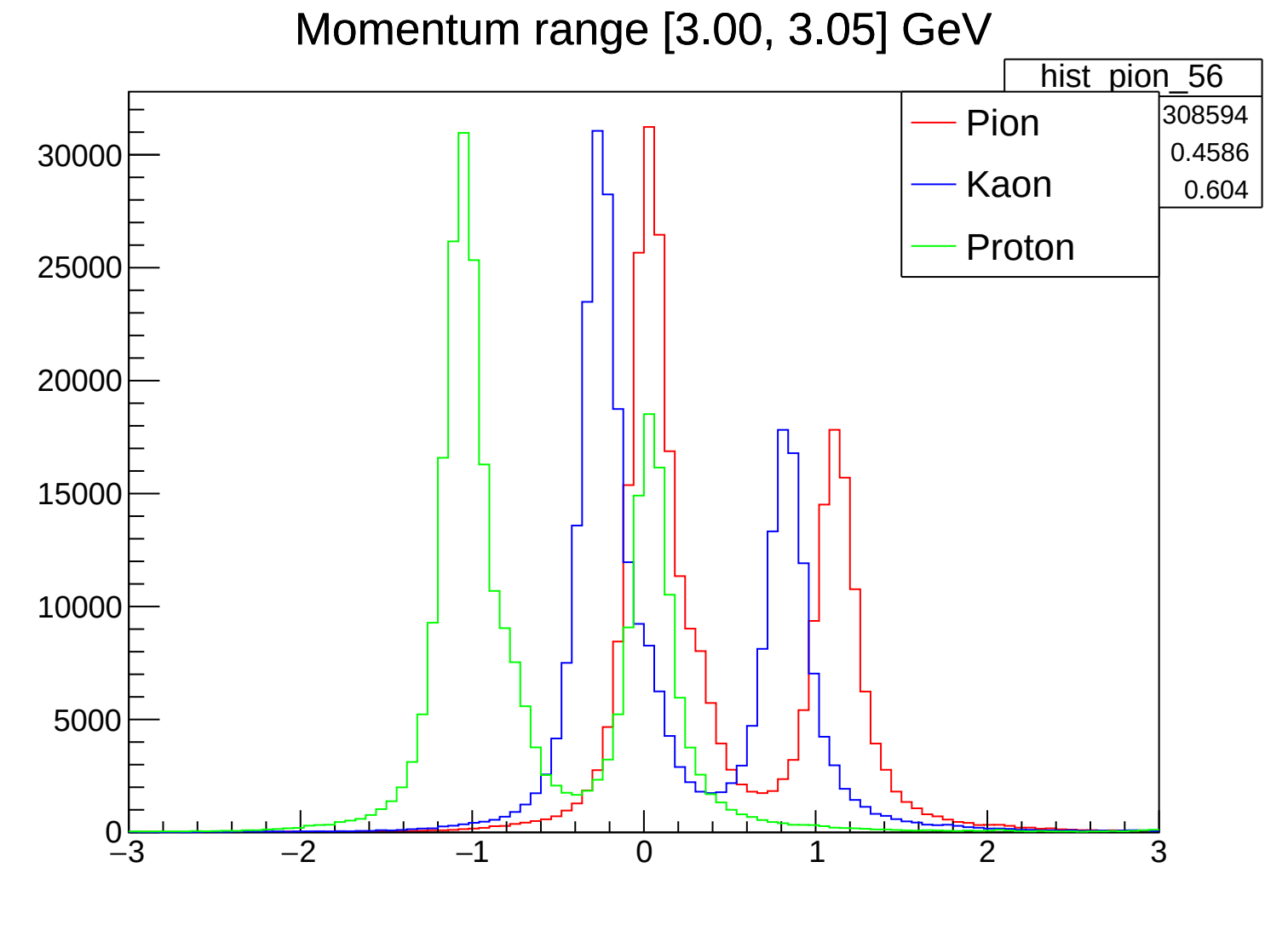
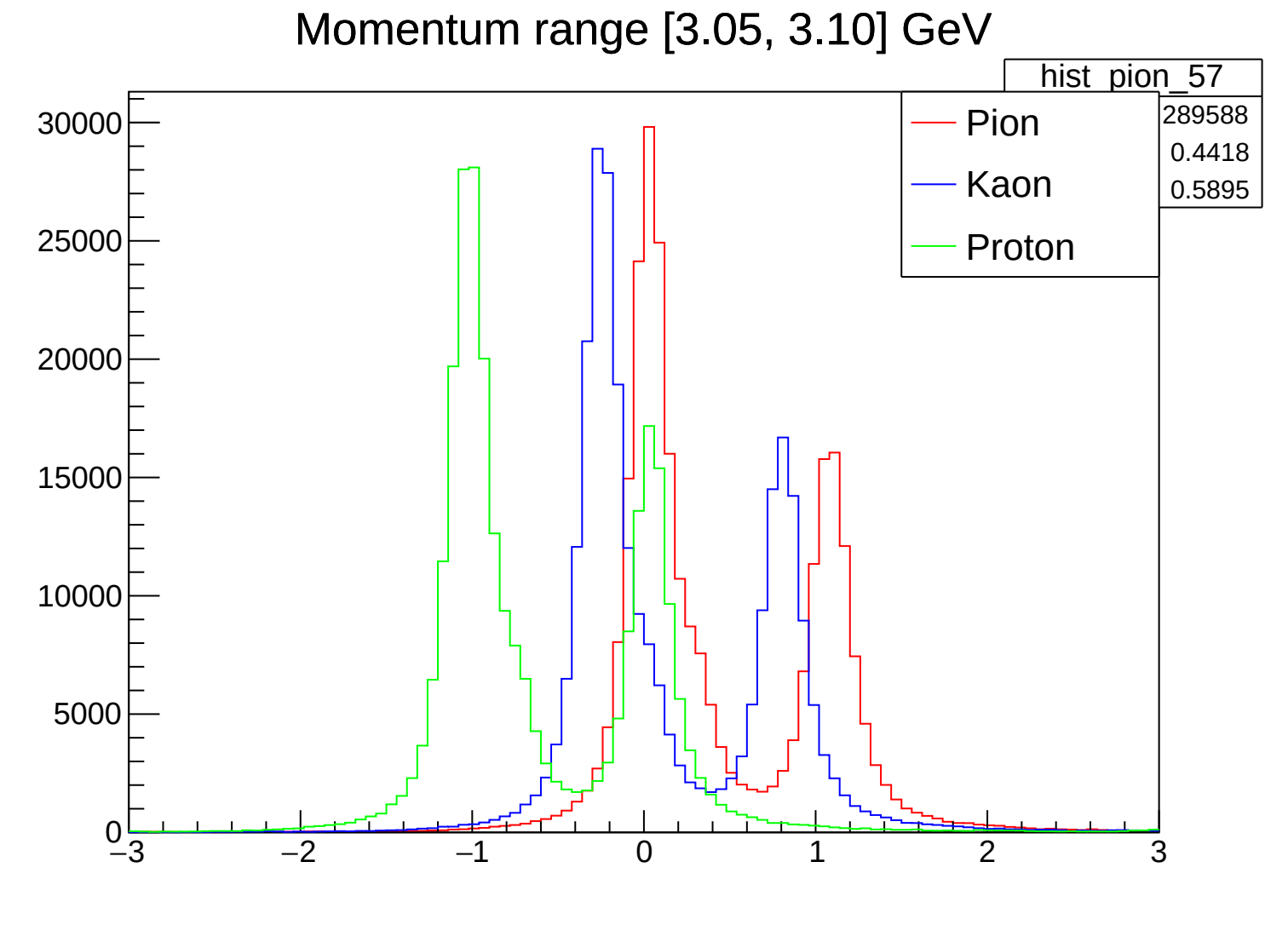
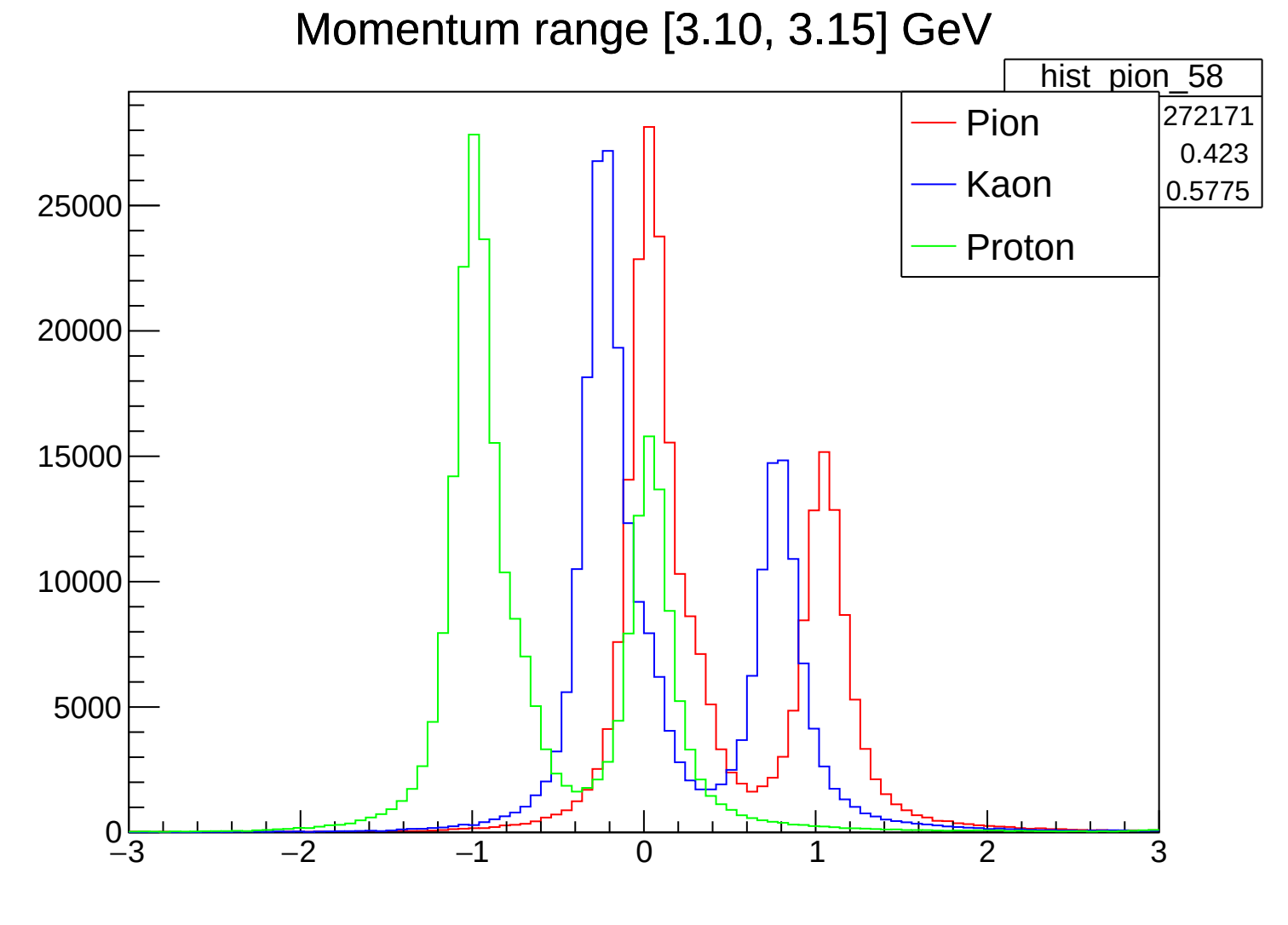
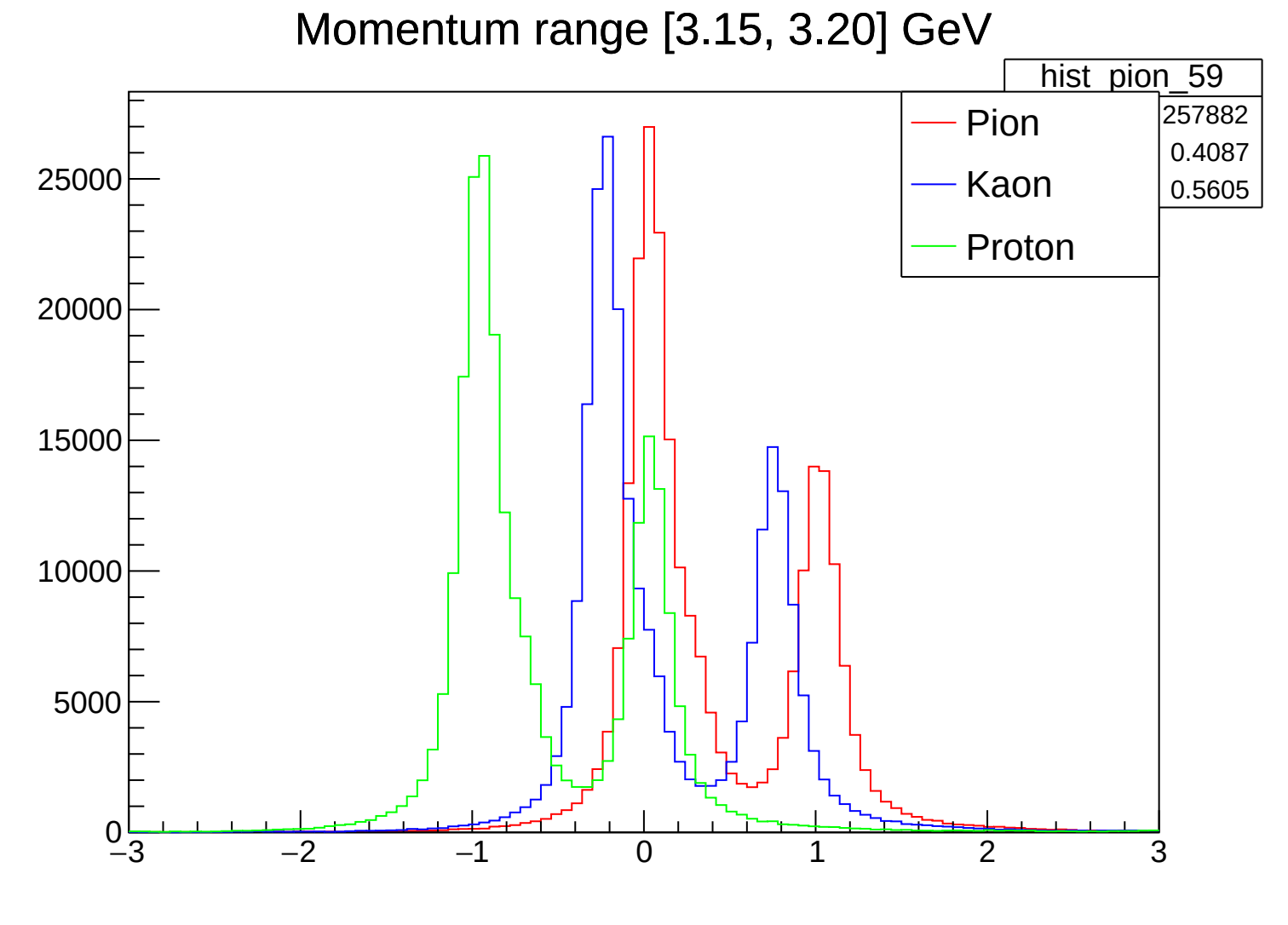
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [2.95, 3.00] GeV
hist_pion_55
325912
0.4809
0.6202
Pion
Kaon
Proton
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.00, 3.05] GeV
hist_pion_56
308594
0.4586
0.604
Pion
Kaon
Proton
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.05, 3.10] GeV
hist_pion_57
289588
0.4418
0.5895
Pion
Kaon
Proton
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.10, 3.15] GeV
hist_pion_58
272171
0.423
0.5775
Pion
Kaon
Proton
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.15, 3.20] GeV
hist_pion_59
257882
0.4087
0.5605
Pion
Kaon
Proton
25000
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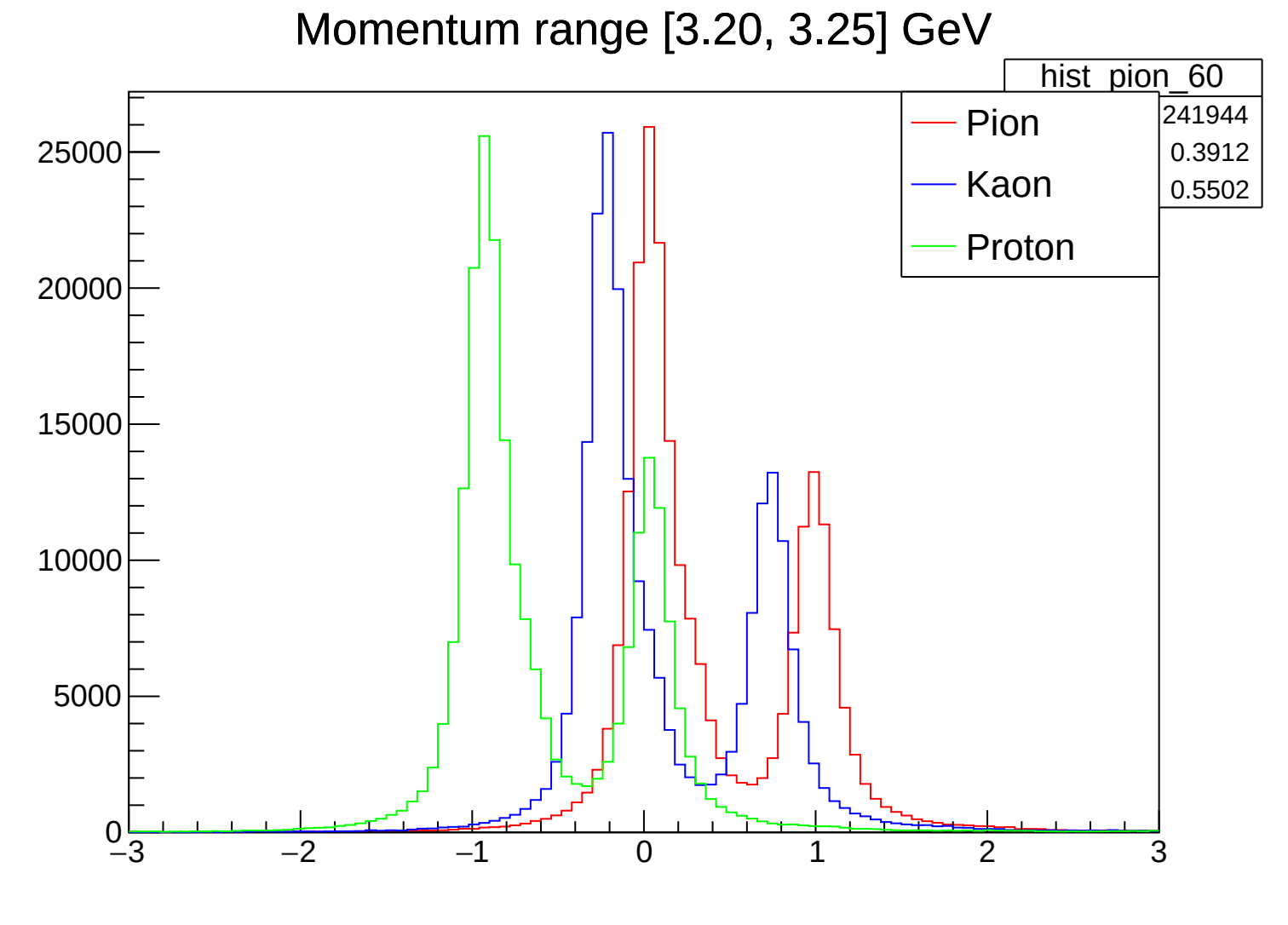
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.20, 3.25] GeV
hist_pion_60
241944
0.3912
0.5502
Pion
Kaon
Proton
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15000
10000
5000
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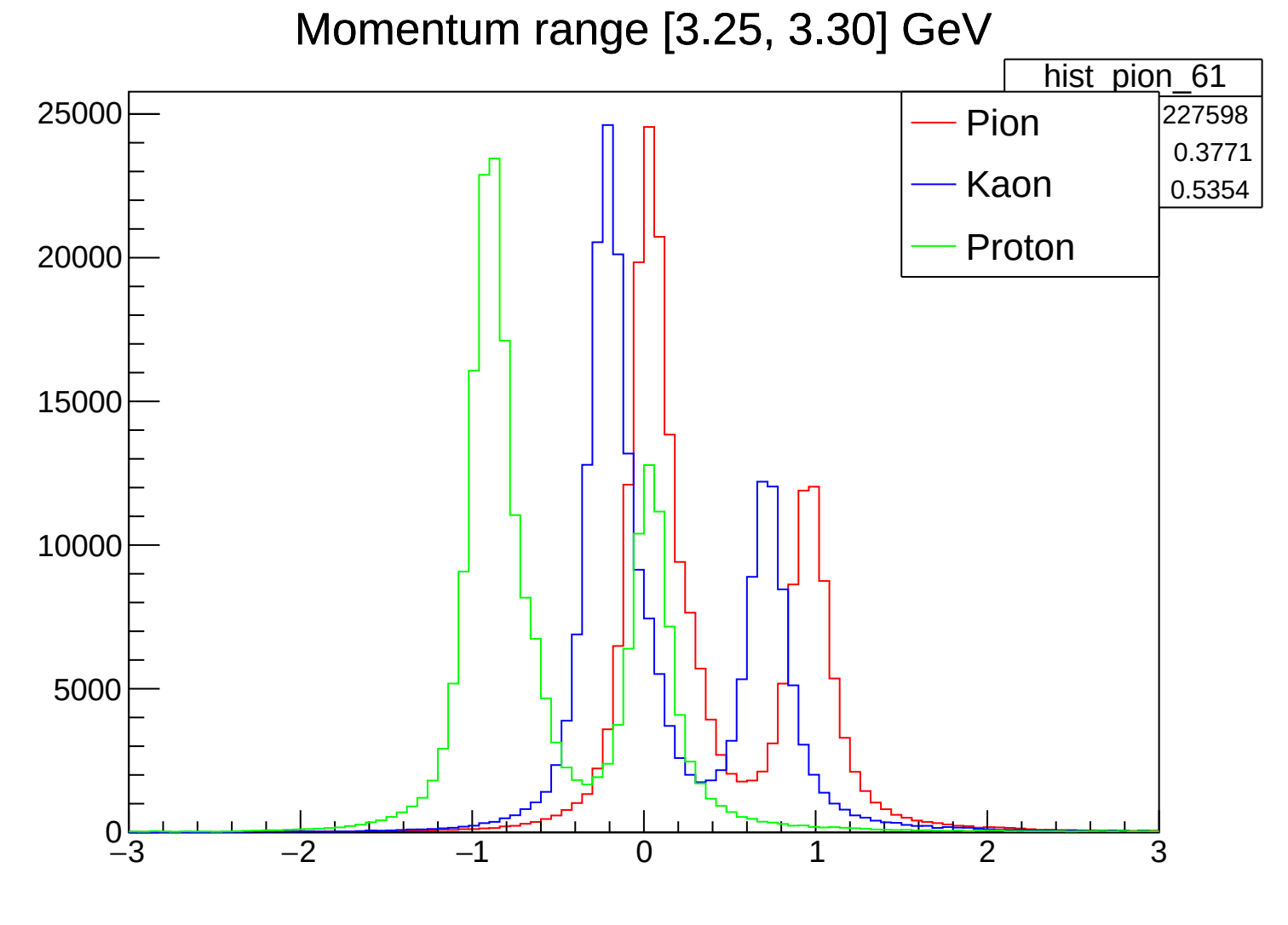
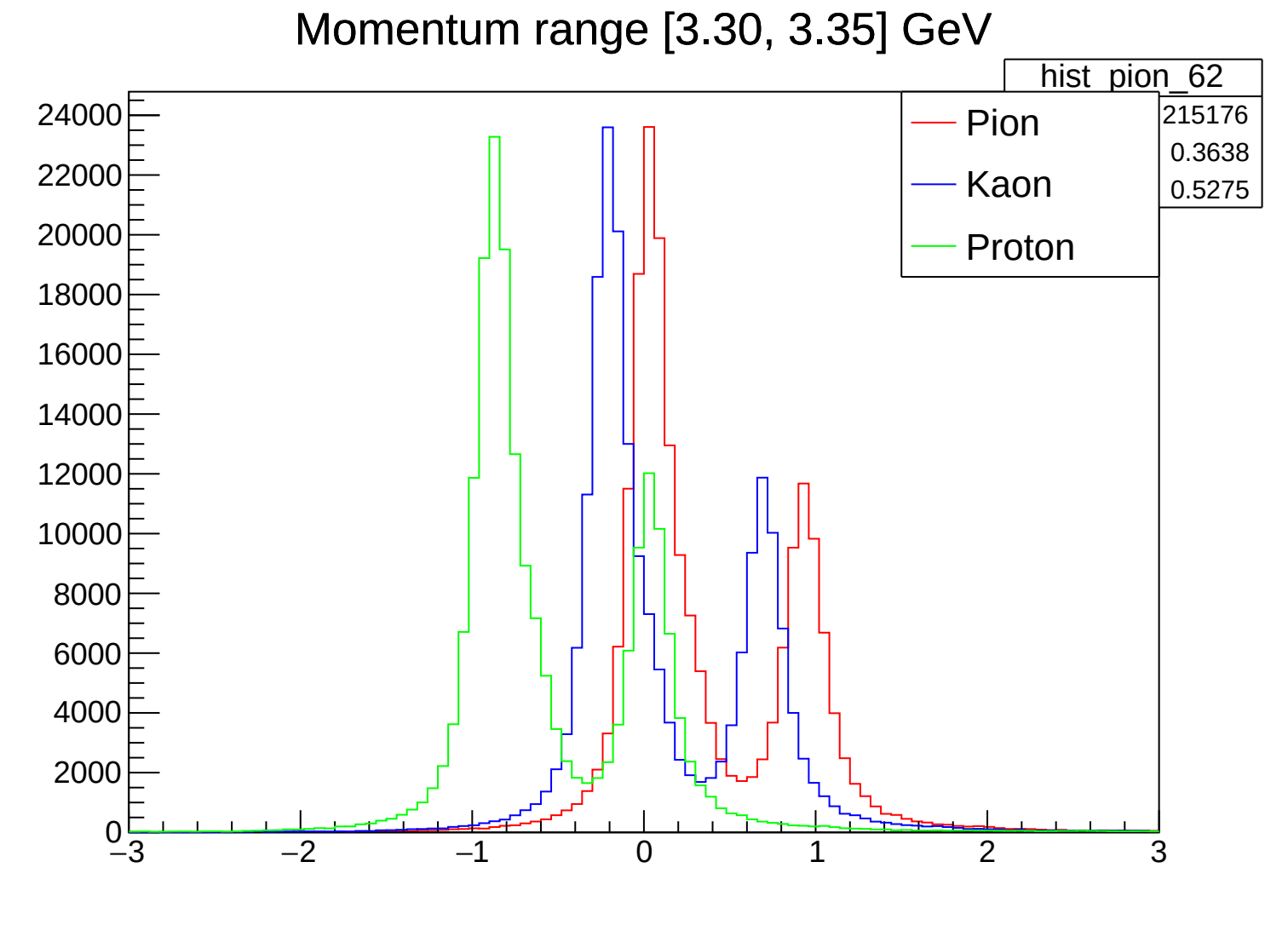
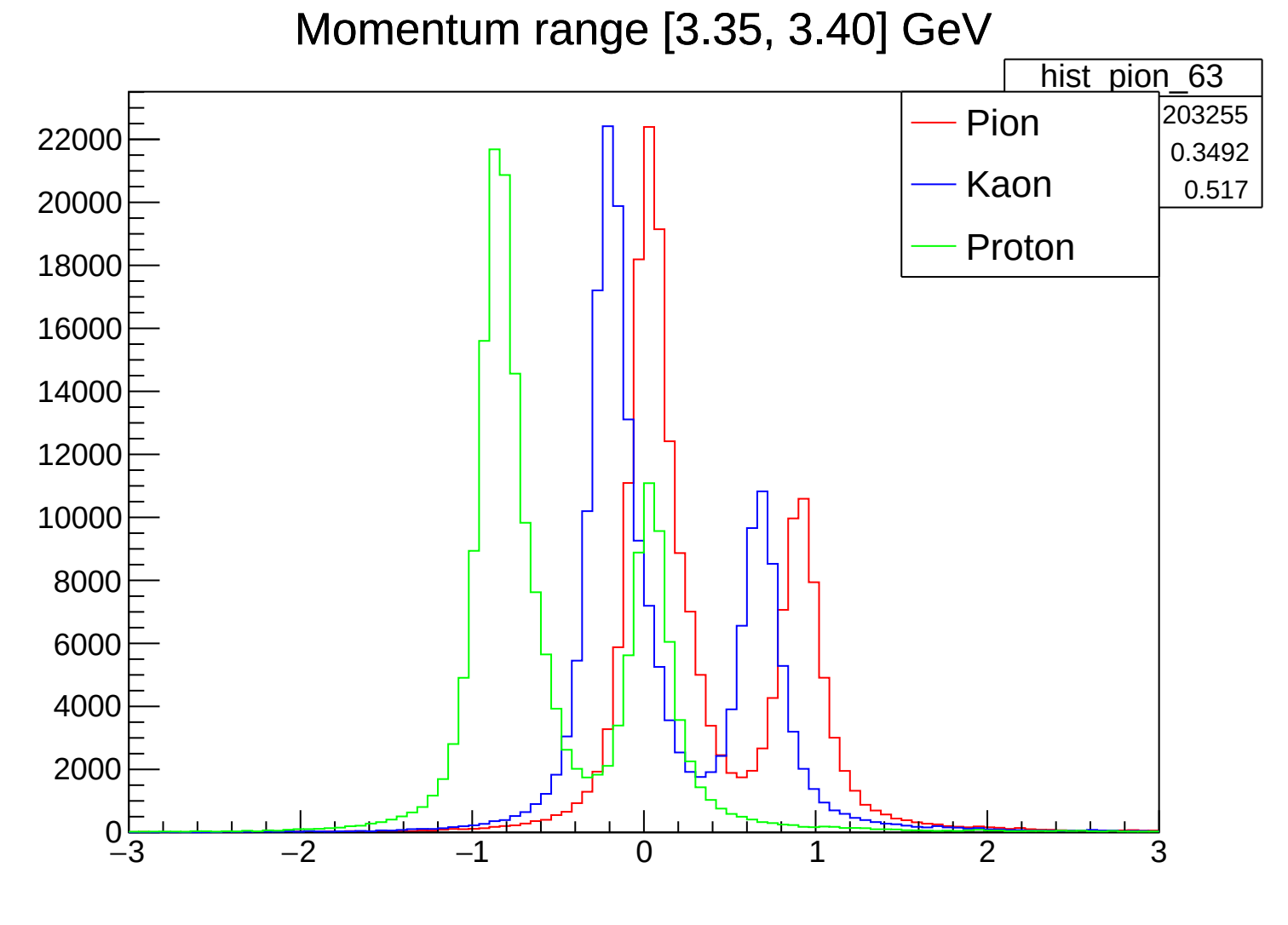
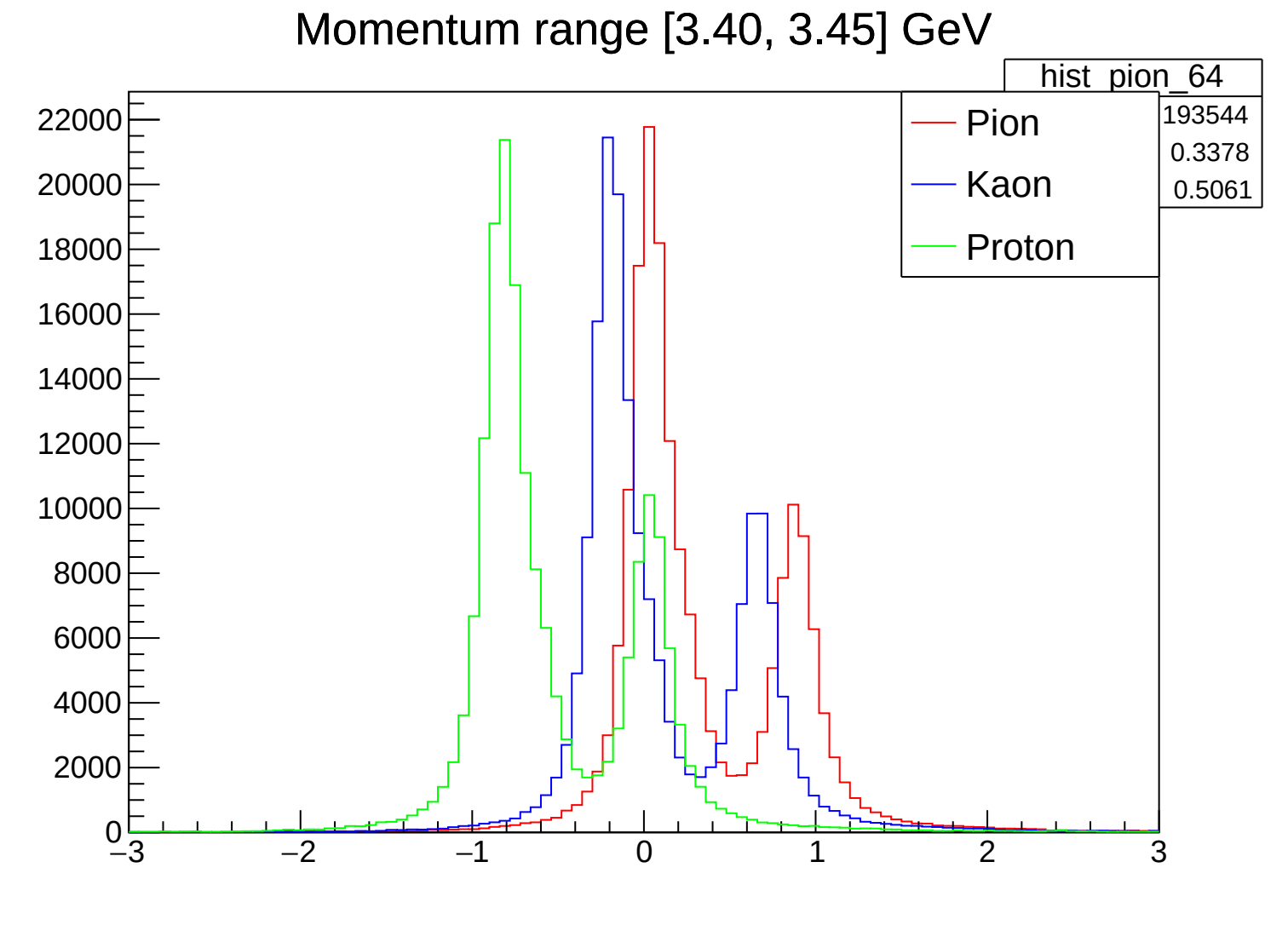
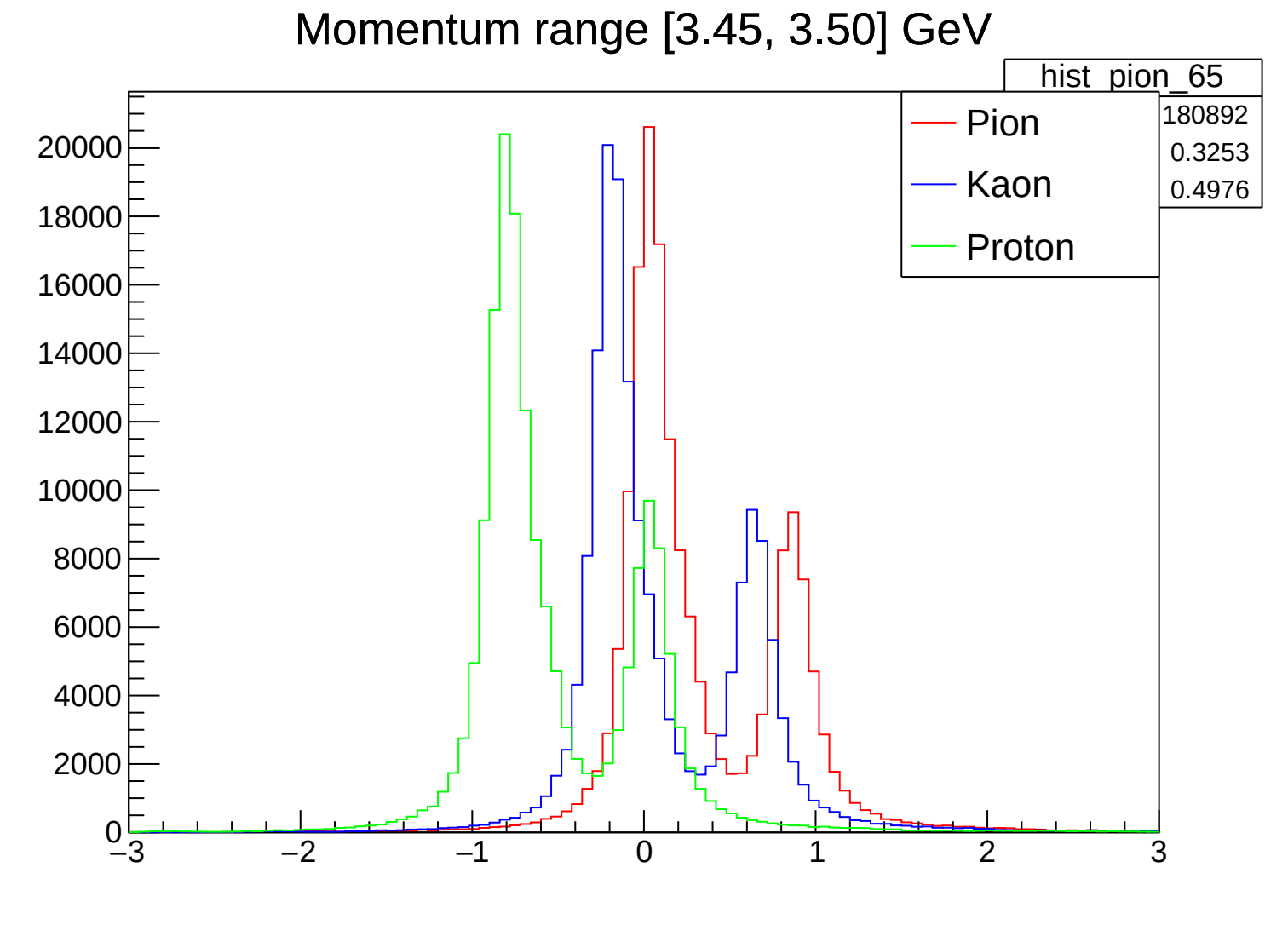
−2
−1
0
1
2
3

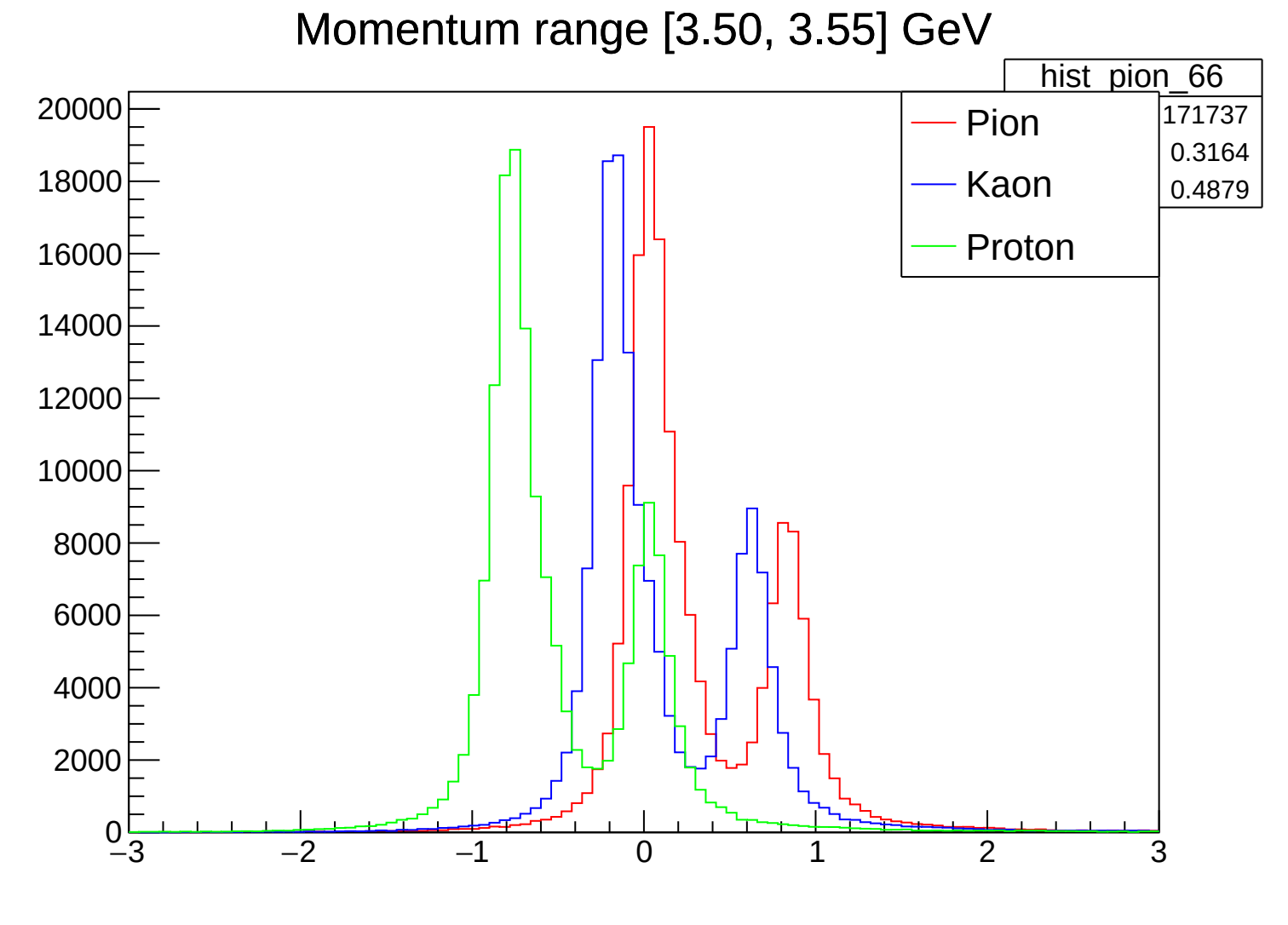

Momentum range [3.25, 3.30] GeV
hist_pion_61
227598
0.3771
0.5354
Pion
Kaon
Proton
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3


Momentum range [3.30, 3.35] GeV
hist_pion_62
215176
0.3638
0.5275
Pion
Kaon
Proton
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [3.35, 3.40] GeV
hist_pion_63
203255
0.3492
0.517
Pion
Kaon
Proton
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [3.40, 3.45] GeV
hist_pion_64
193544
0.3378
0.5061
Pion
Kaon
Proton
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [3.45, 3.50] GeV
hist_pion_65
180892
0.3253
0.4976
Pion
Kaon
Proton
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [3.50, 3.55] GeV
hist_pion_66
171737
0.3164
0.4879
Pion
Kaon
Proton
20000
18000
16000
14000
12000
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6000
4000
2000
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−3
−2
−1
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2
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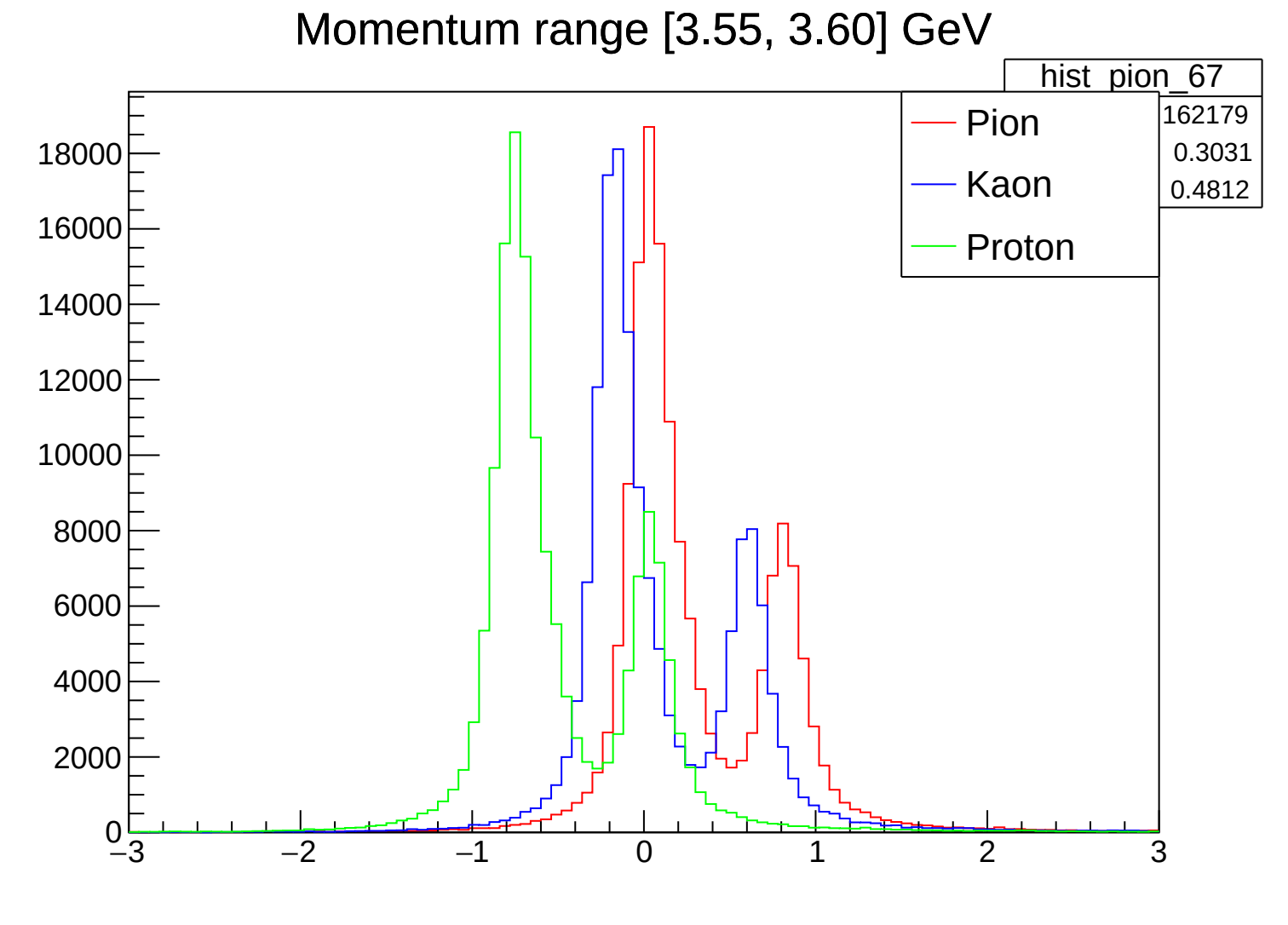
Momentum range [3.55, 3.60] GeV
hist_pion_67
162179
0.3031
0.4812
Pion
Kaon
Proton
18000
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14000
12000
10000
8000
6000
4000
2000
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−2
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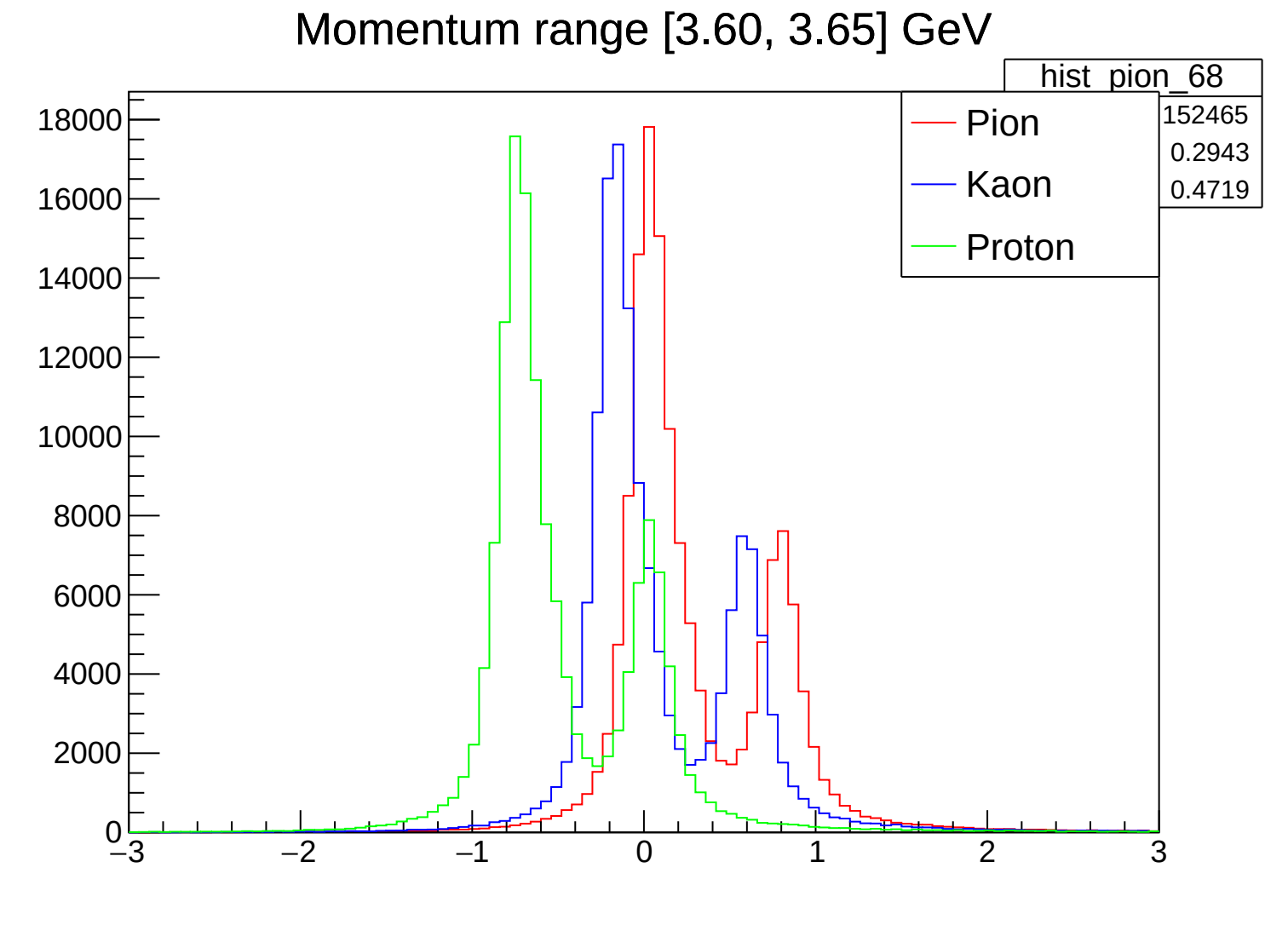
Momentum range [3.60, 3.65] GeV
hist_pion_68
152465
0.2943
0.4719
Pion
Kaon
Proton
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16000
14000
12000
10000
8000
6000
4000
2000
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−3
−2
−1
0
1
2
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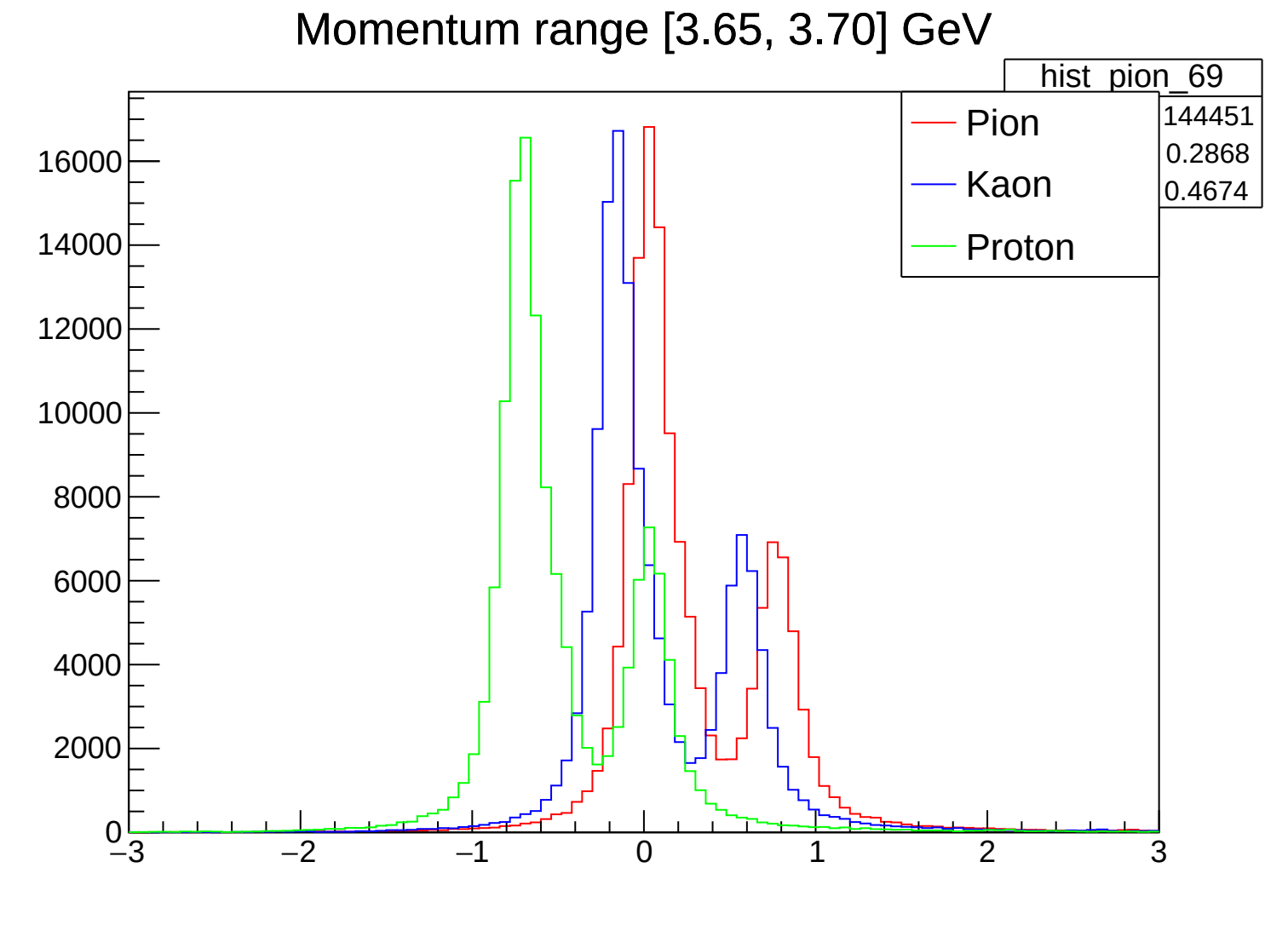
Momentum range [3.65, 3.70] GeV
hist_pion_69
144451
0.2868
0.4674
Pion
Kaon
Proton
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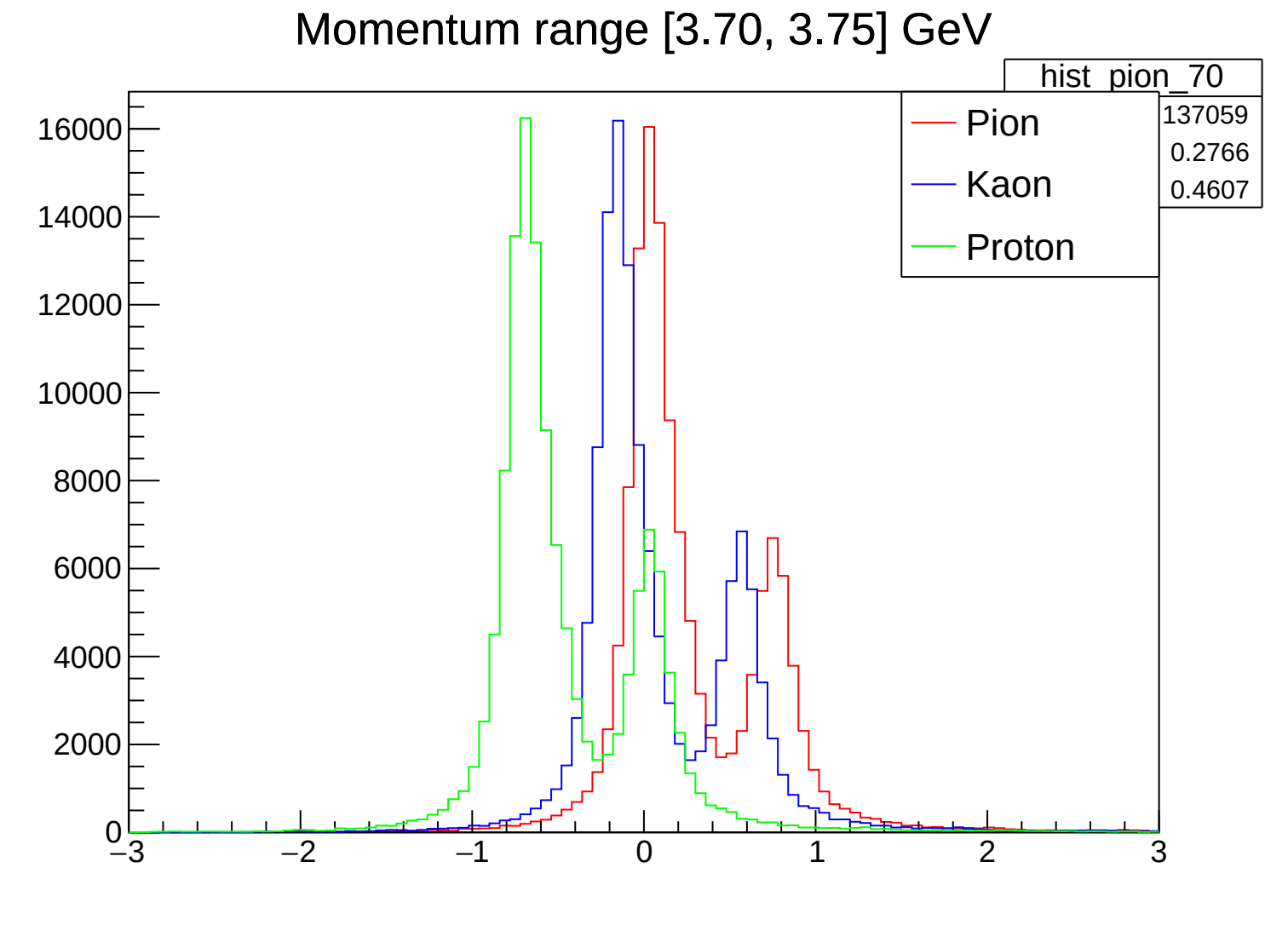
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [3.70, 3.75] GeV
hist_pion_70
137059
0.2766
0.4607
Pion
Kaon
Proton
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14000
12000
10000
8000
6000
4000
2000
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−3
−2
−1
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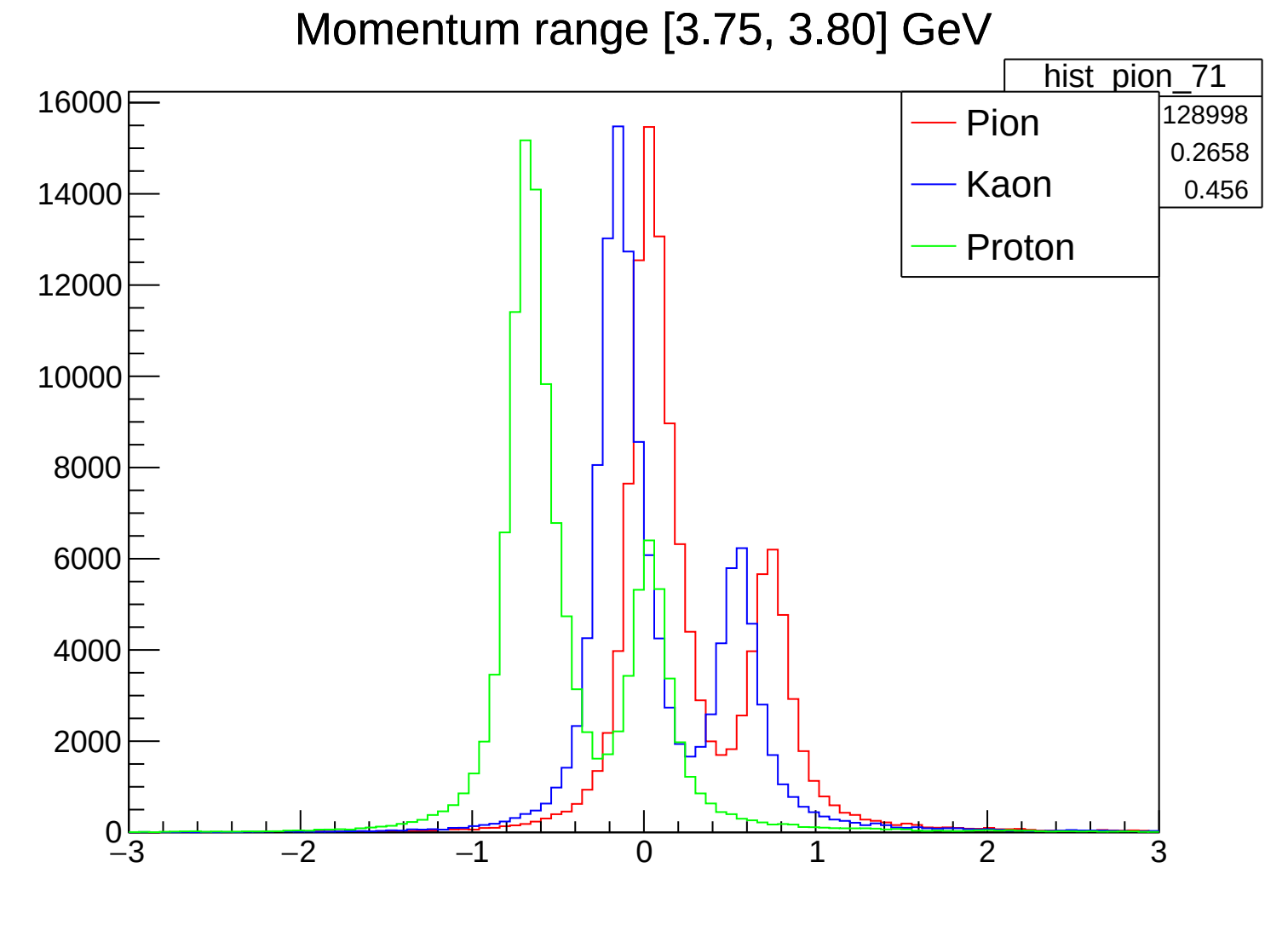
Momentum range [3.75, 3.80] GeV
hist_pion_71
128998
0.2658
0.456
Pion
Kaon
Proton
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14000
12000
10000
8000
6000
4000
2000
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−3
−2
−1
0
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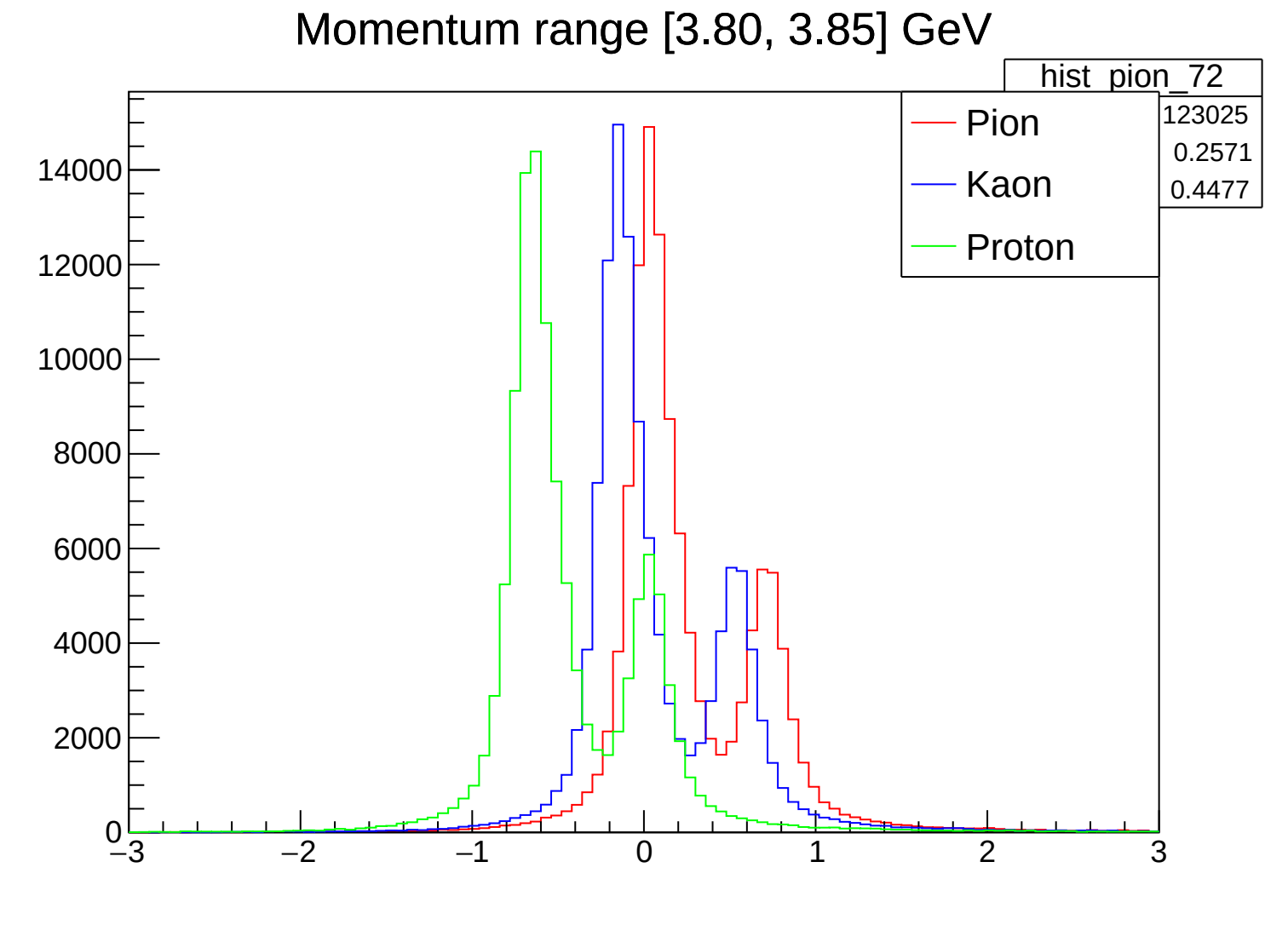
Momentum range [3.80, 3.85] GeV
hist_pion_72
123025
0.2571
0.4477
Pion
Kaon
Proton
14000
12000
10000
8000
6000
4000
2000
0
−3
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0
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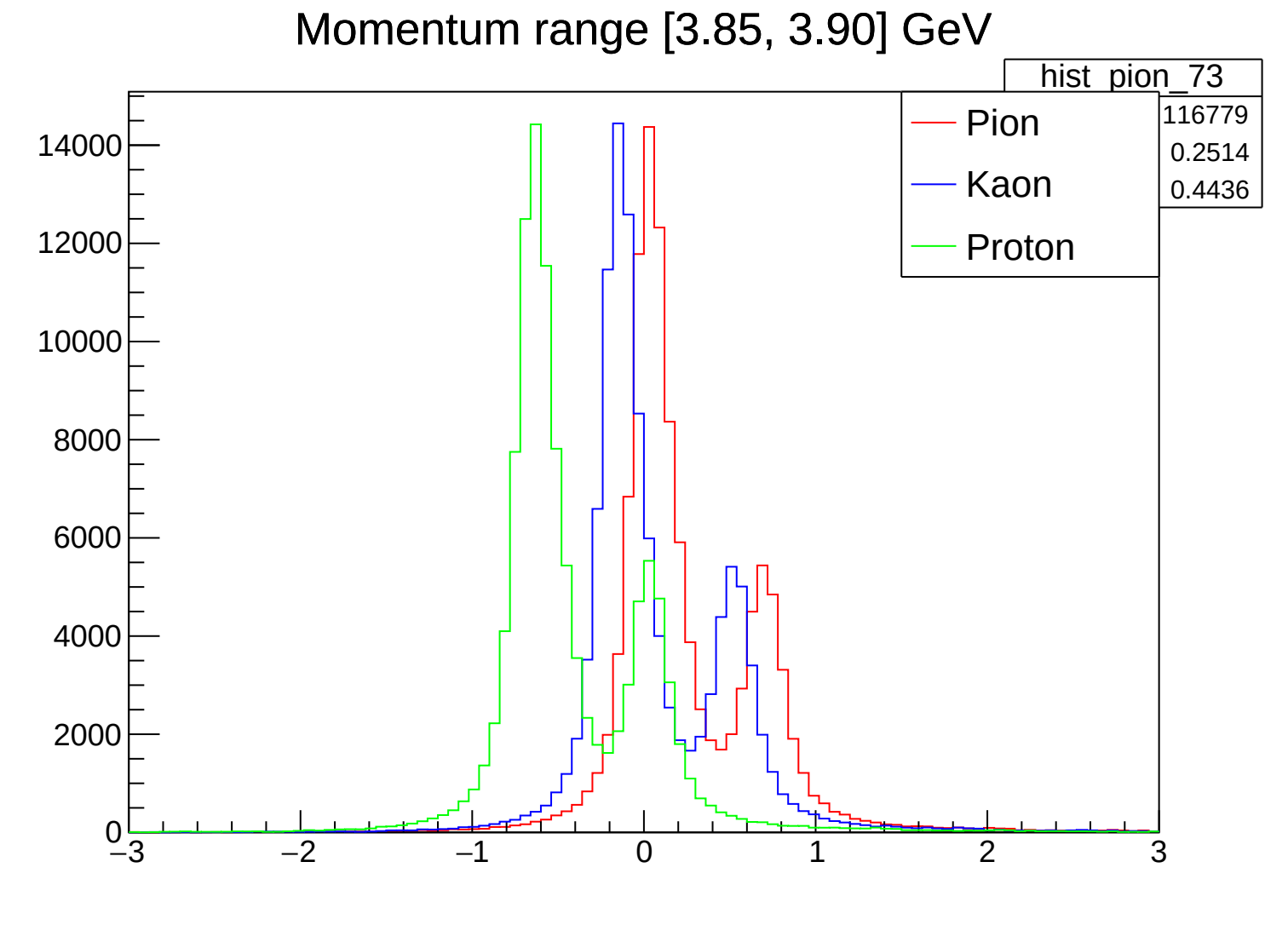
Momentum range [3.85, 3.90] GeV
hist_pion_73
116779
0.2514
0.4436
Pion
Kaon
Proton
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
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2
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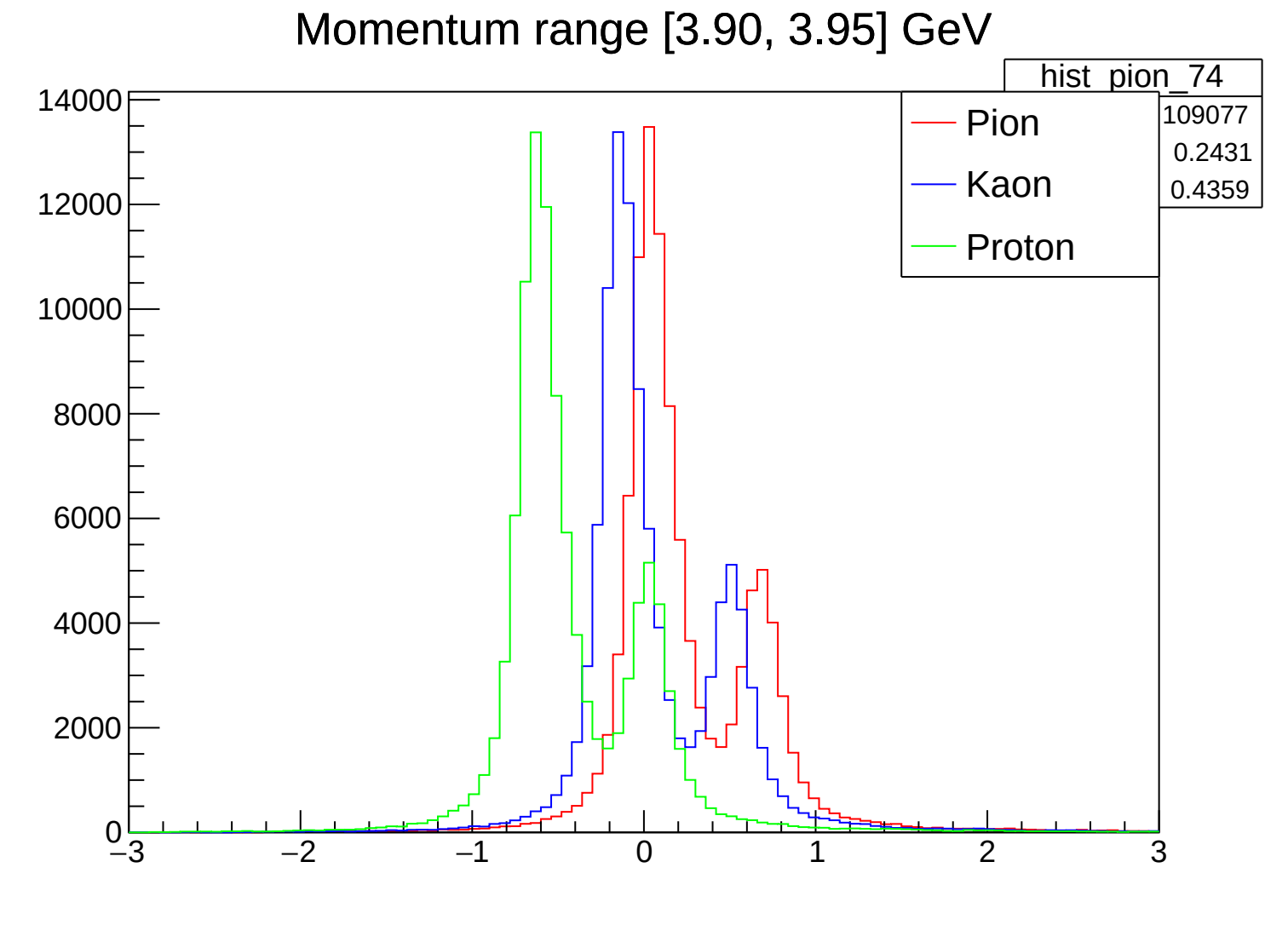
Momentum range [3.90, 3.95] GeV
hist_pion_74
109077
0.2431
0.4359
Pion
Kaon
Proton
14000
12000
10000
8000
6000
4000
2000
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−3
−2
−1
0
1
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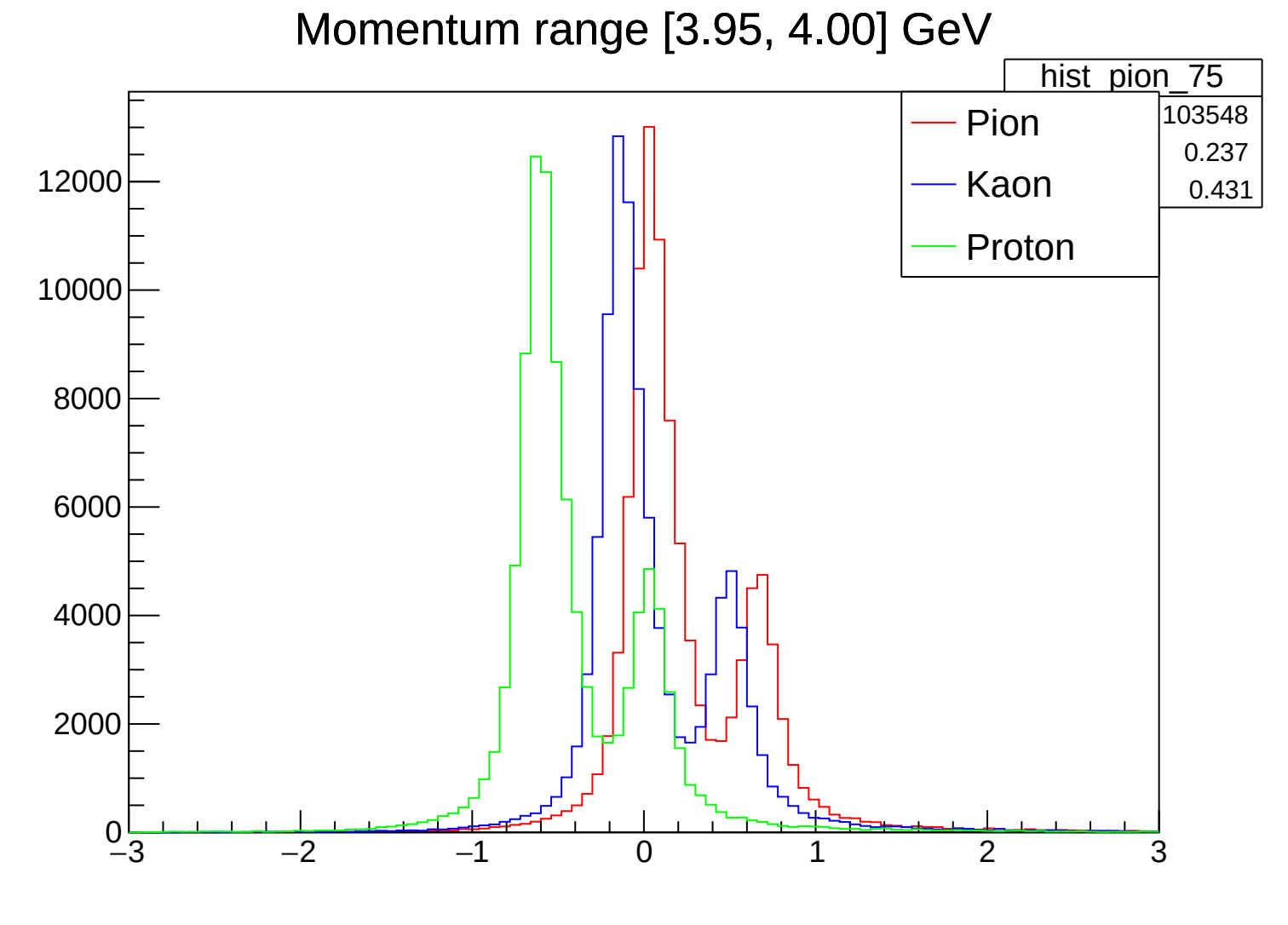
Momentum range [3.95, 4.00] GeV
hist_pion_75
103548
0.237
0.431
Pion
Kaon
Proton
12000
10000
8000
6000
4000
2000
0
−3
−2
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0
1
2
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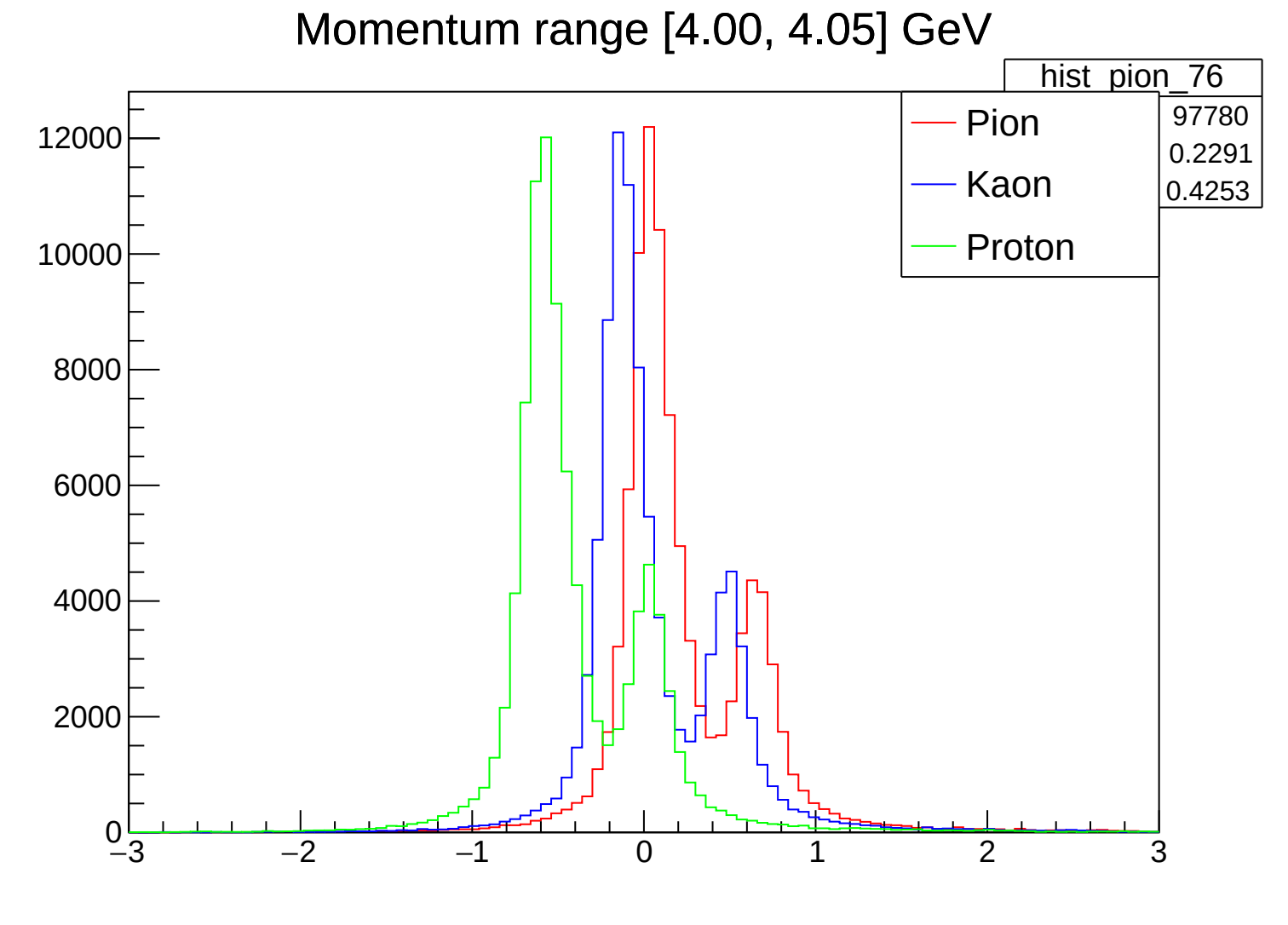
Momentum range [4.00, 4.05] GeV
hist_pion_76
97780
0.2291
0.4253
Pion
Kaon
Proton
12000
10000
8000
6000
4000
2000
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−3
−2
−1
0
1
2
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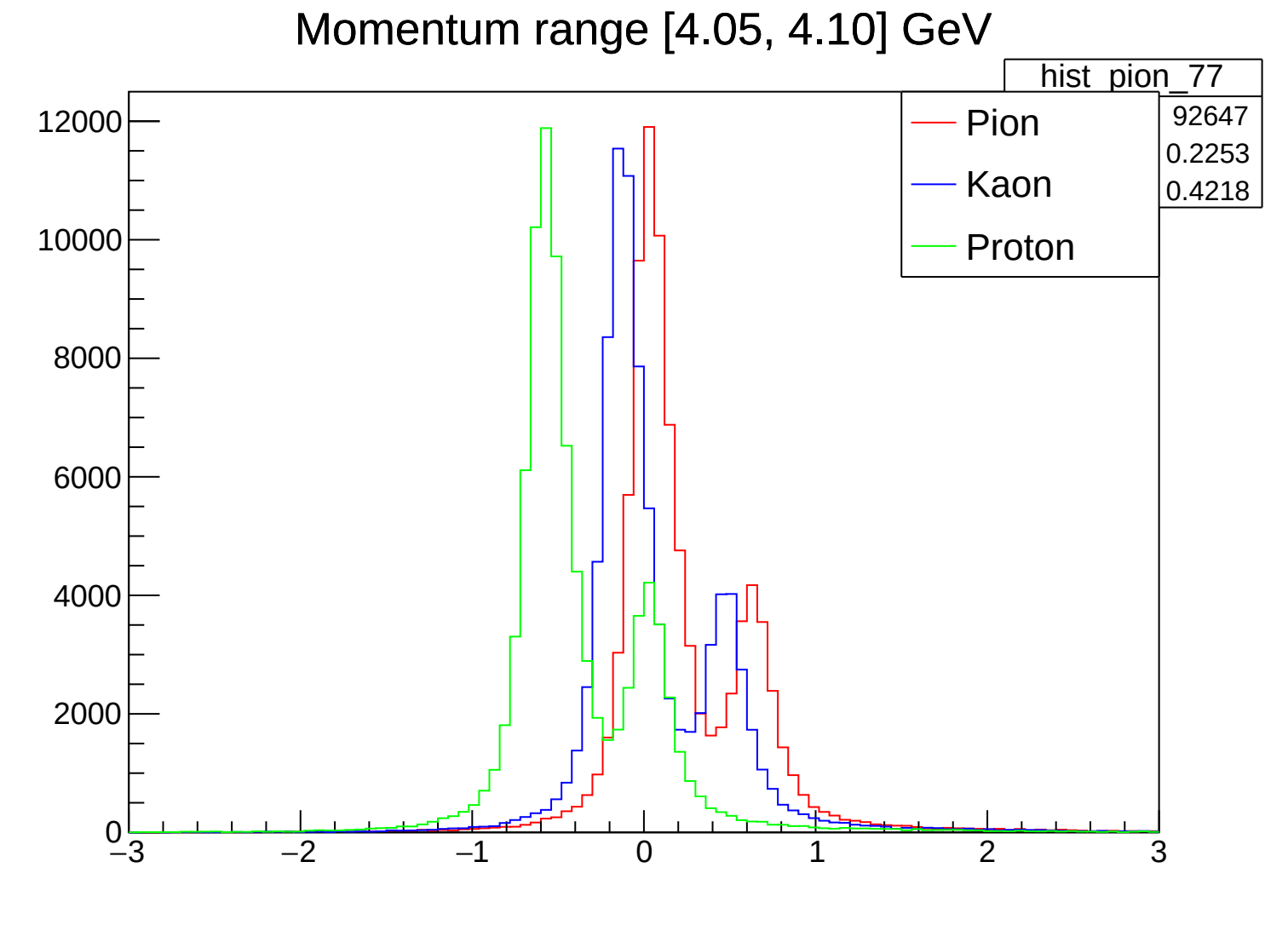
Momentum range [4.05, 4.10] GeV
hist_pion_77
92647
0.2253
0.4218
Pion
Kaon
Proton
12000
10000
8000
6000
4000
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−3
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0
1
2
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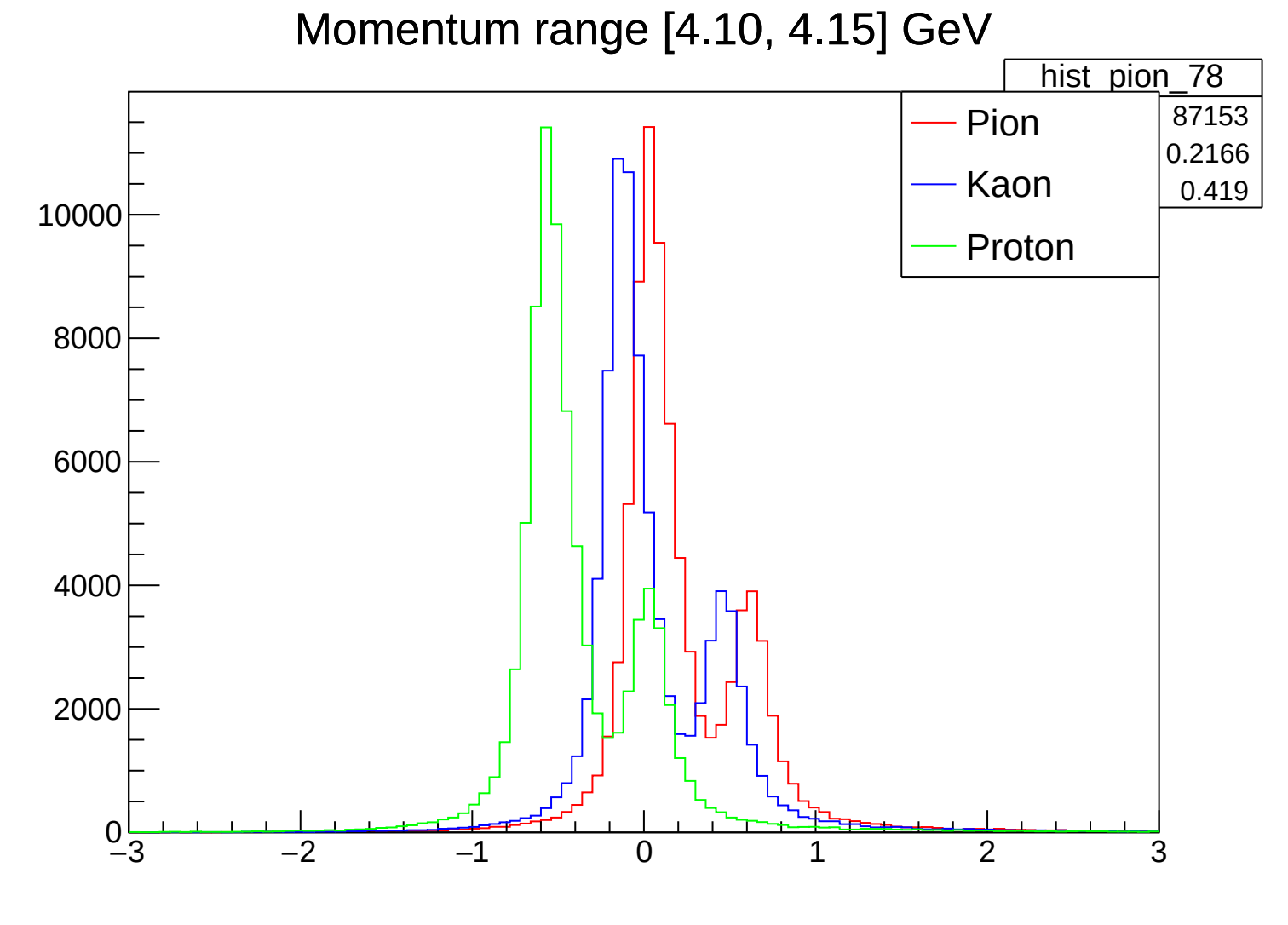
Momentum range [4.10, 4.15] GeV
hist_pion_78
87153
0.2166
0.419
Pion
Kaon
Proton
10000
8000
6000
4000
2000
0
−3
−2
−1
0
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2
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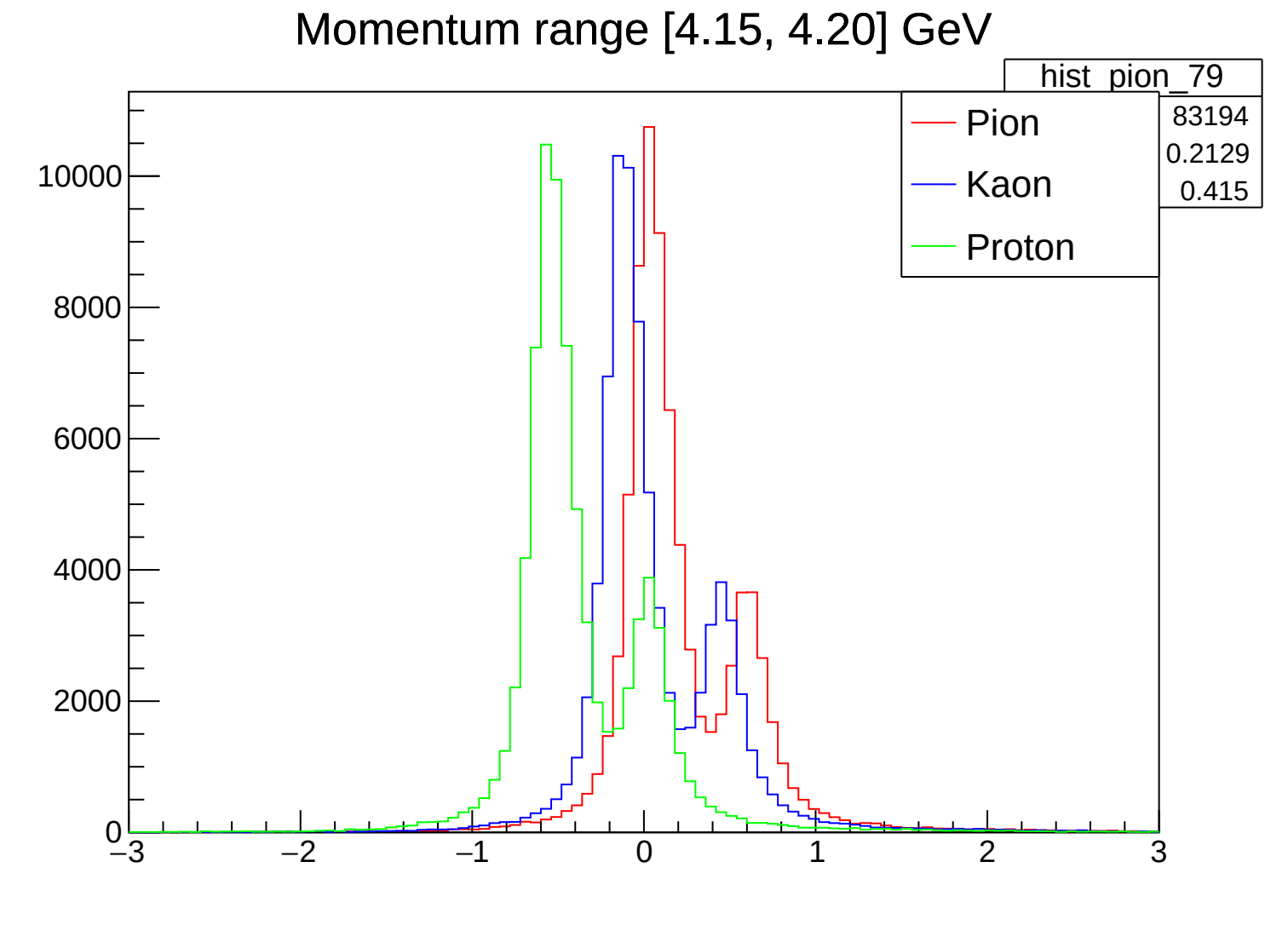
Momentum range [4.15, 4.20] GeV
hist_pion_79
83194
0.2129
0.415
Pion
Kaon
Proton
10000
8000
6000
4000
2000
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−3
−2
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0
1
2
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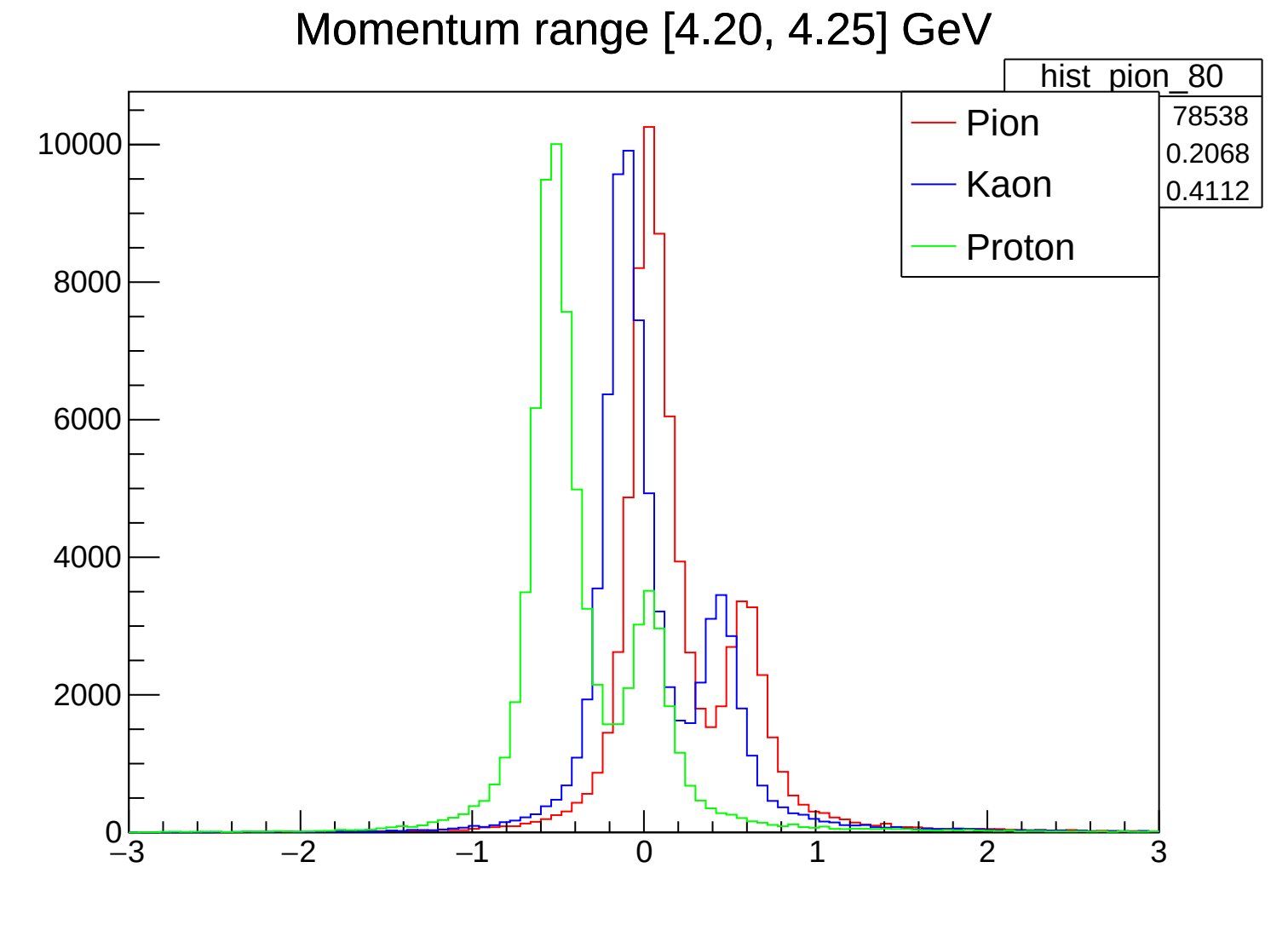
Momentum range [4.20, 4.25] GeV
hist_pion_80
78538
0.2068
0.4112
Pion
Kaon
Proton
10000
8000
6000
4000
2000
0
−3
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2
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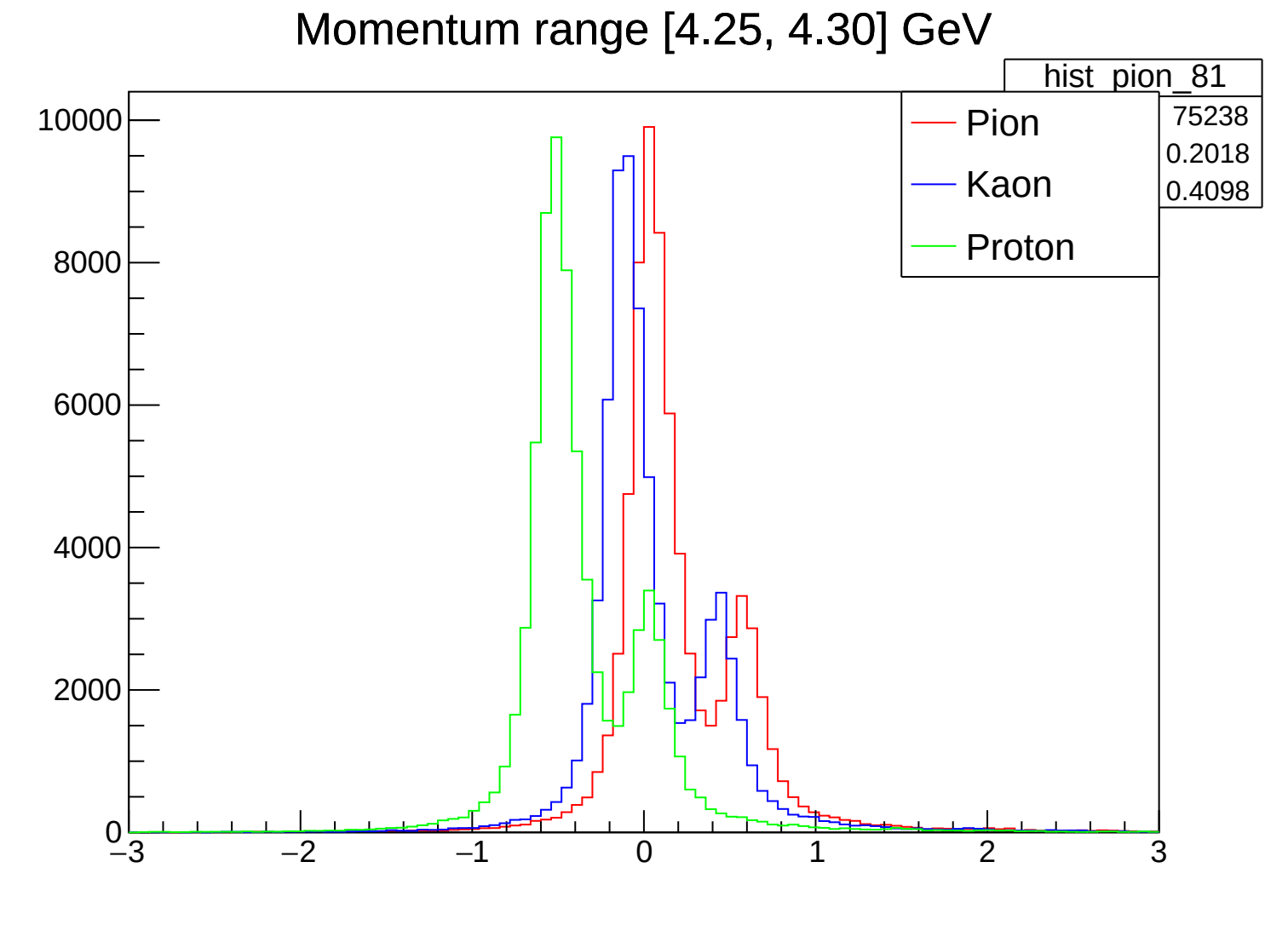
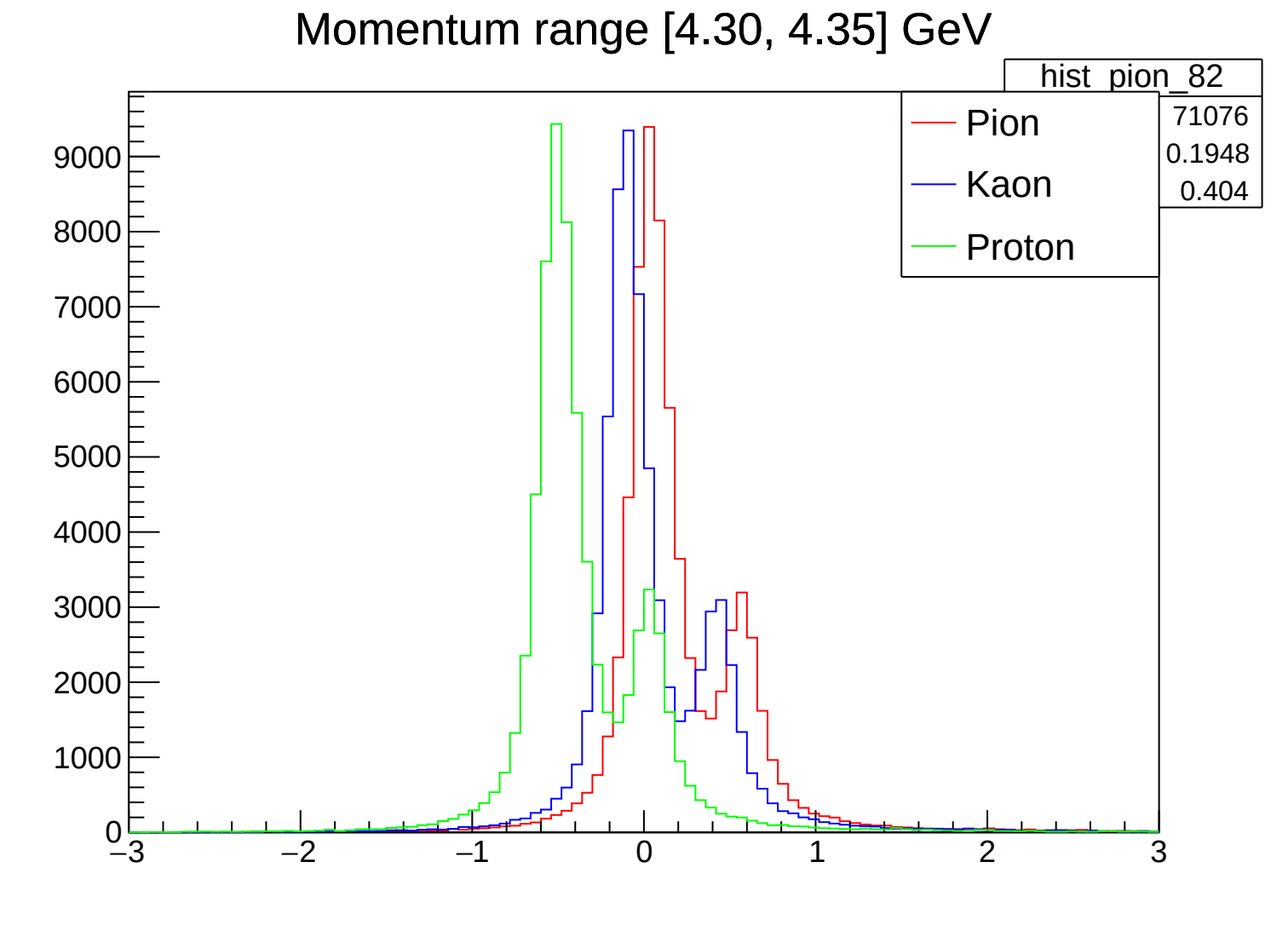

Momentum range [4.25, 4.30] GeV
hist_pion_81
75238
0.2018
0.4098
Pion
Kaon
Proton
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3


Momentum range [4.30, 4.35] GeV
hist_pion_82
71076
0.1948
0.404
Pion
Kaon
Proton
9000
8000
7000
6000
5000
4000
3000
2000
1000
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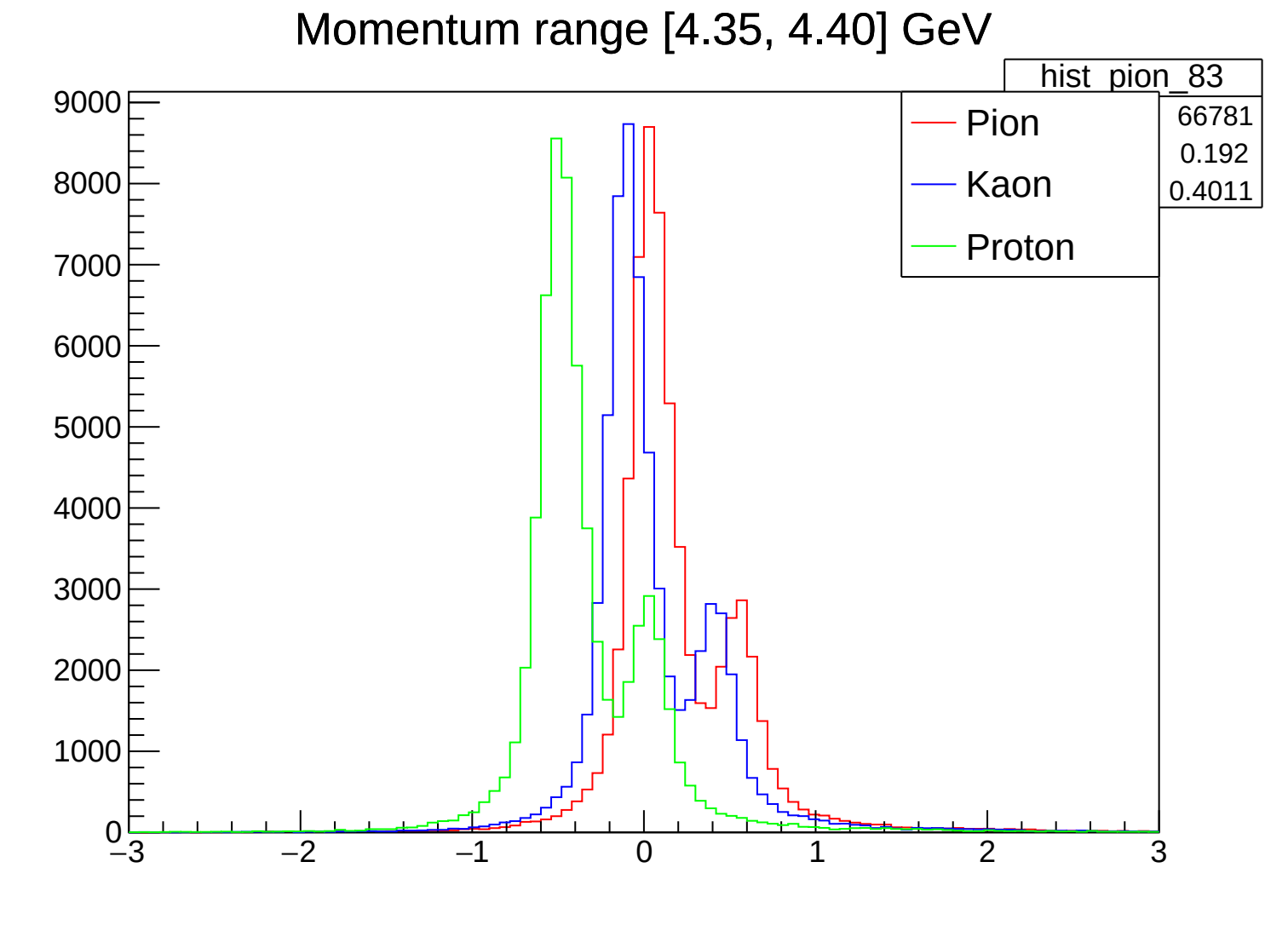
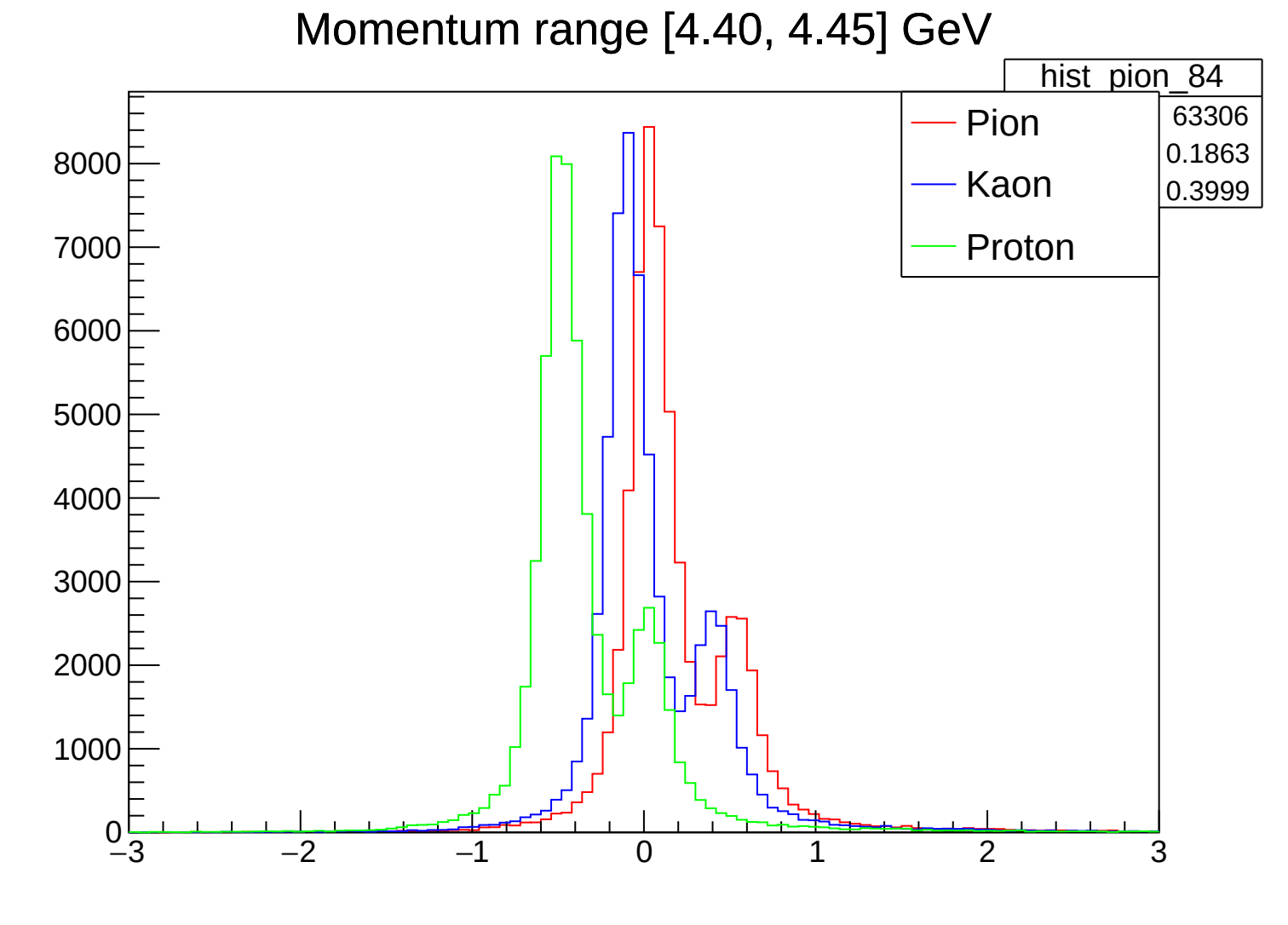
−3
−2
−1
0
1
2
3


Momentum range [4.35, 4.40] GeV
hist_pion_83
66781
0.192
0.4011
Pion
Kaon
Proton
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3


Momentum range [4.40, 4.45] GeV
hist_pion_84
63306
0.1863
0.3999
Pion
Kaon
Proton
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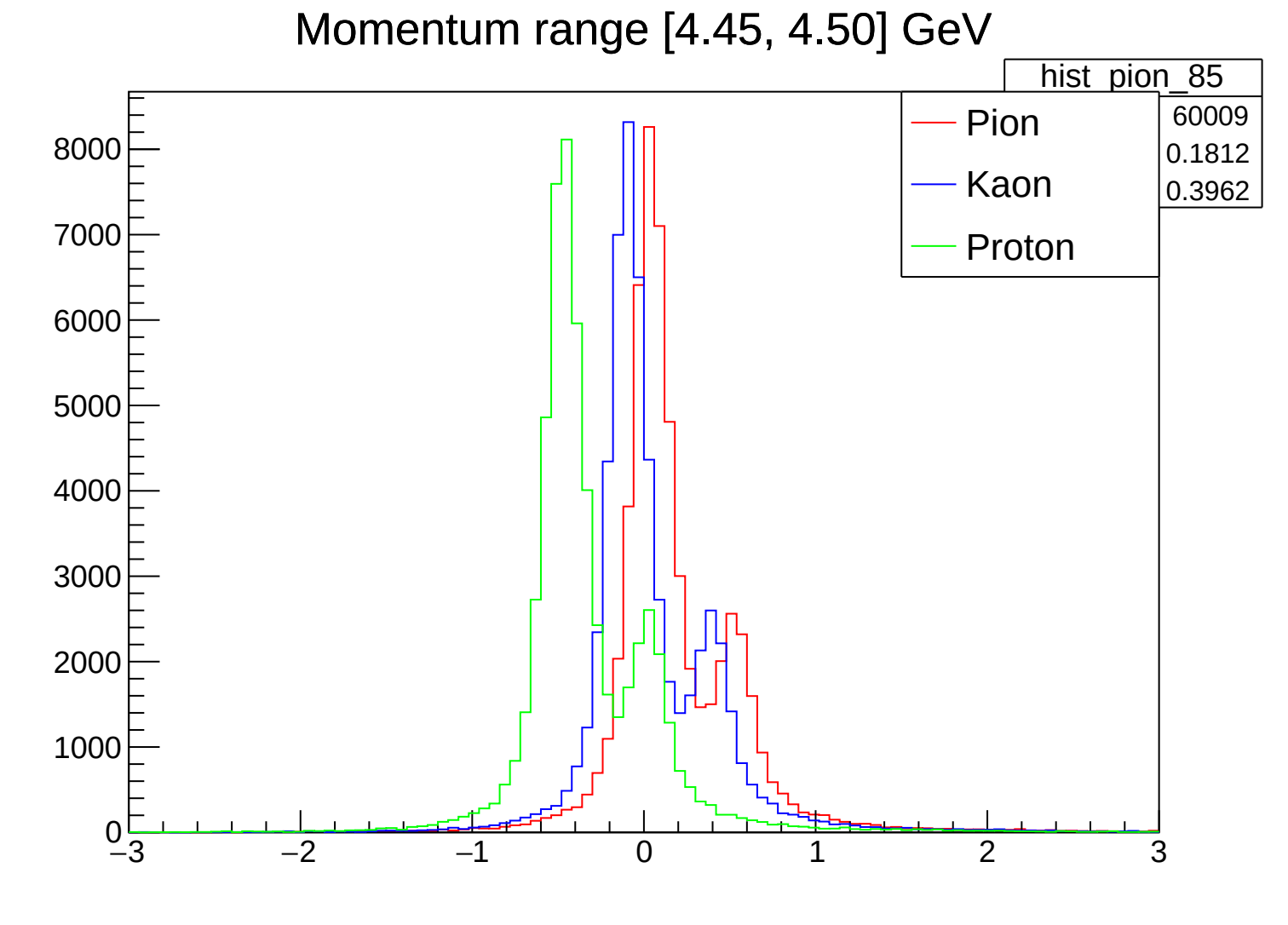
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3


Momentum range [4.45, 4.50] GeV
hist_pion_85
60009
0.1812
0.3962
Pion
Kaon
Proton
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7000
6000
5000
4000
3000
2000
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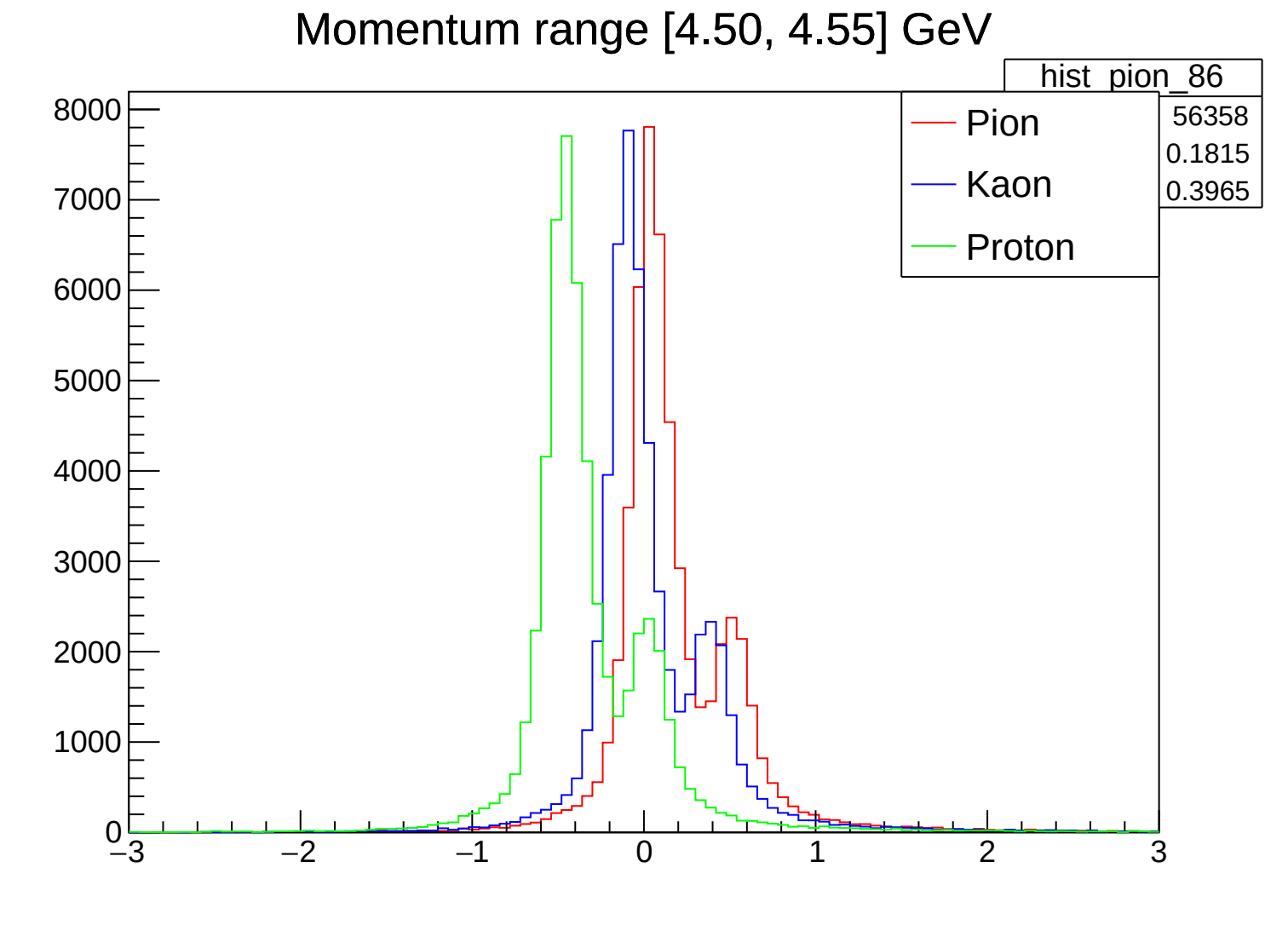
−3
−2
−1
0
1
2
3


Momentum range [4.50, 4.55] GeV
hist_pion_86
56358
0.1815
0.3965
Pion
Kaon
Proton
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6000
5000
4000
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−3
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2
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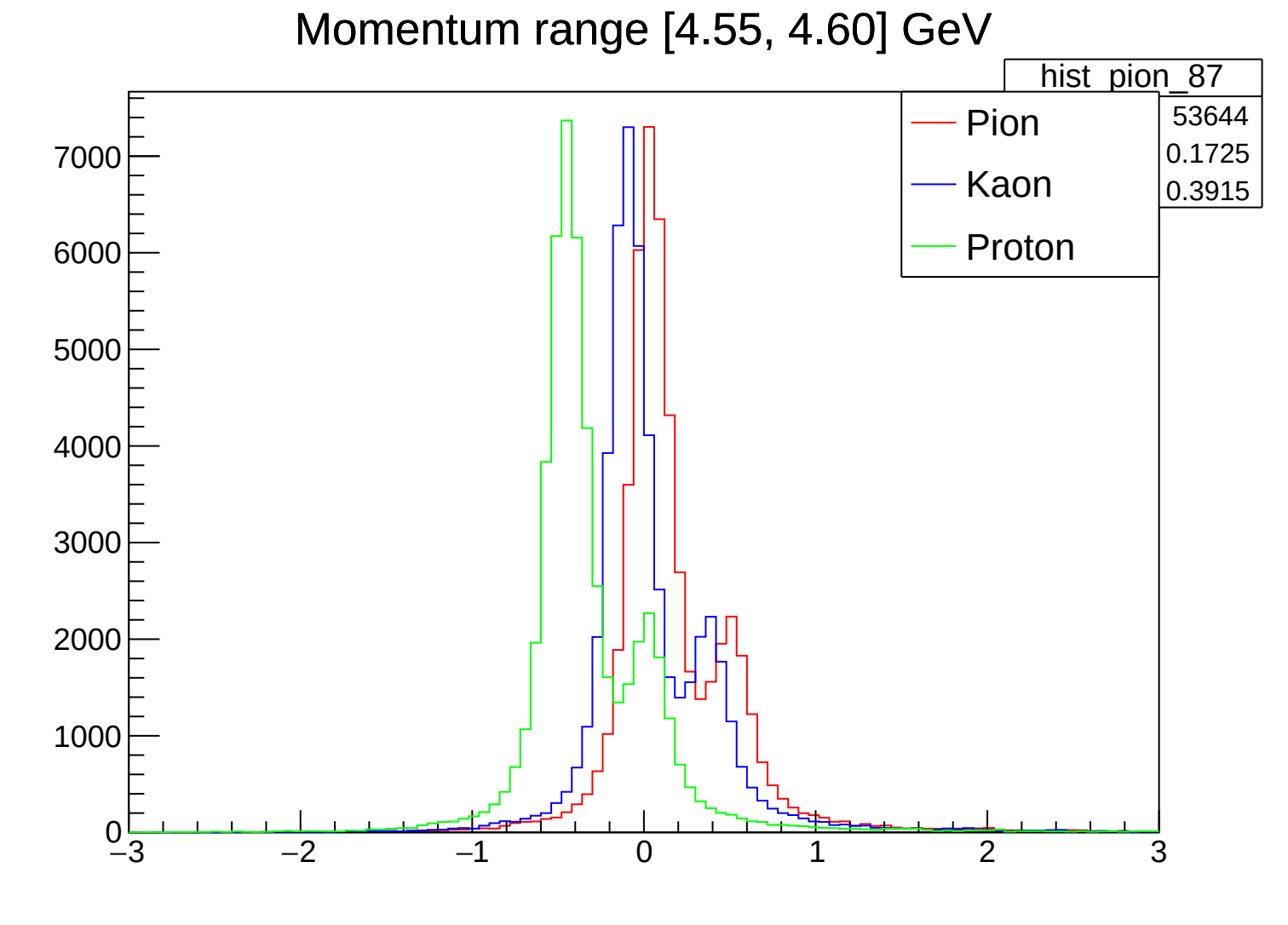
Momentum range [4.55, 4.60] GeV
hist_pion_87
53644
0.1725
0.3915
Pion
Kaon
Proton
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6000
5000
4000
3000
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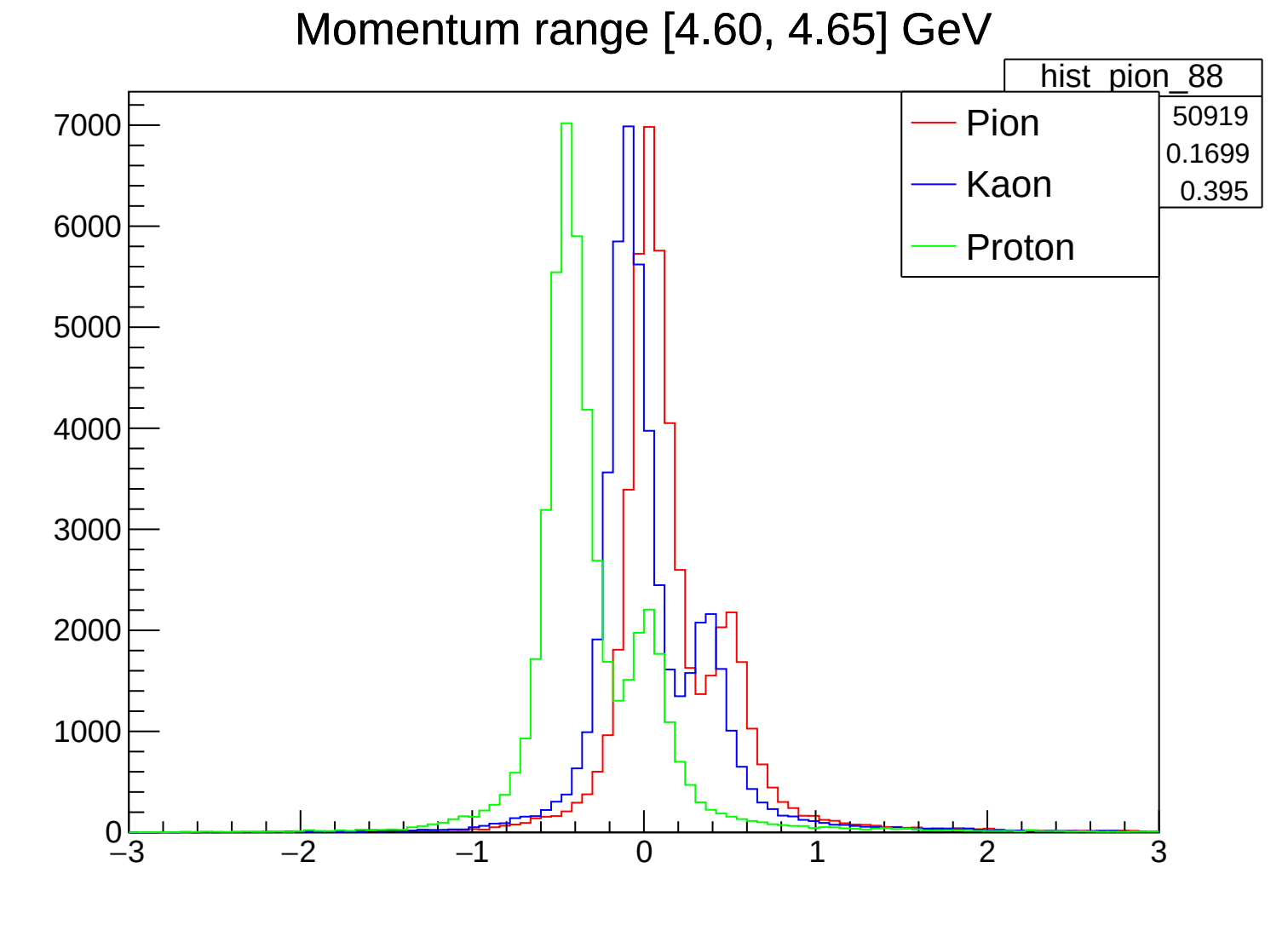
1
2
3


Momentum range [4.60, 4.65] GeV
hist_pion_88
50919
0.1699
0.395
Pion
Kaon
Proton
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6000
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4000
3000
2000
1000
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−3
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−1
0
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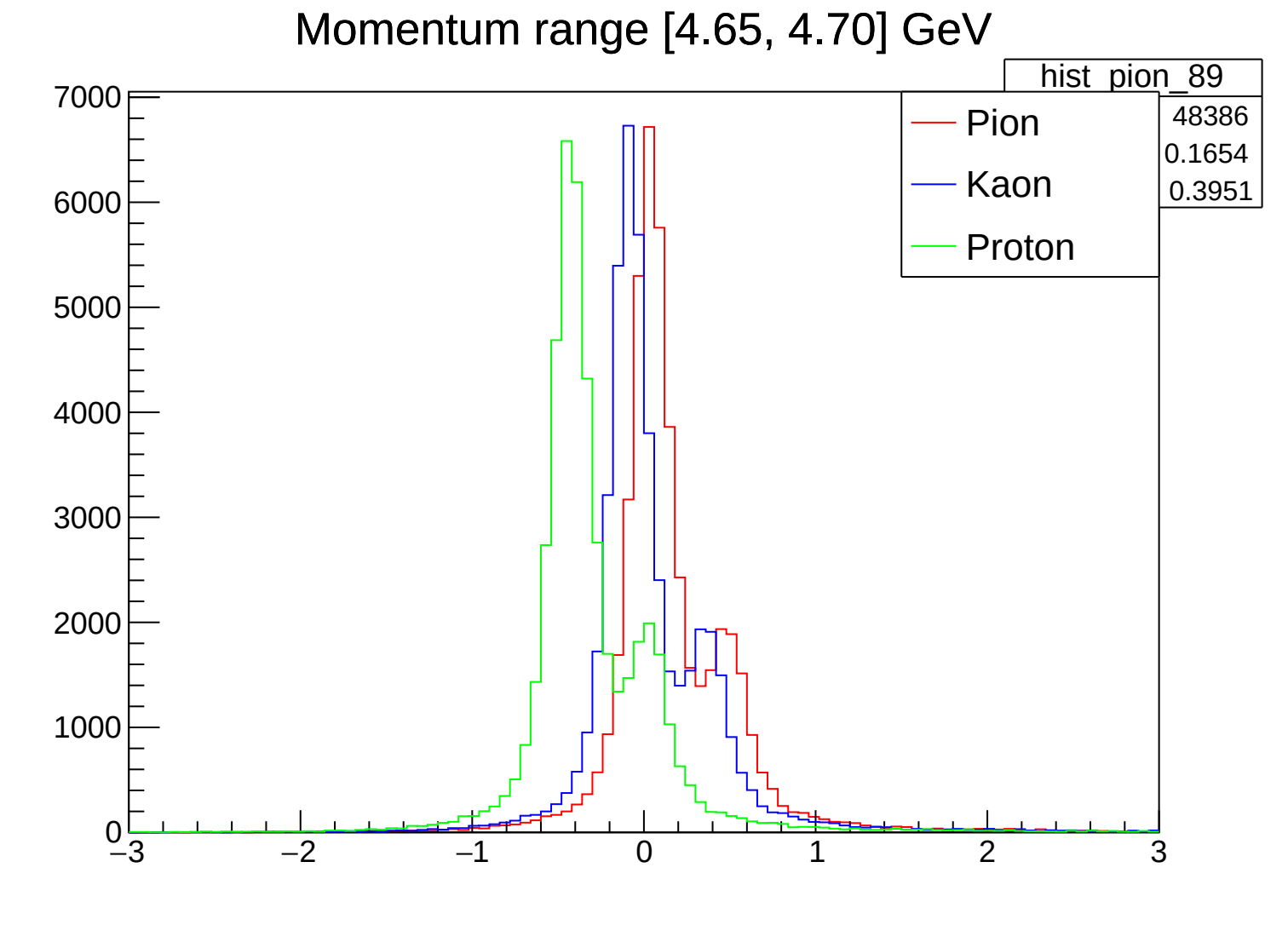
2
3


Momentum range [4.65, 4.70] GeV
hist_pion_89
48386
0.1654
0.3951
Pion
Kaon
Proton
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6000
5000
4000
3000
2000
1000
0
−3
−2
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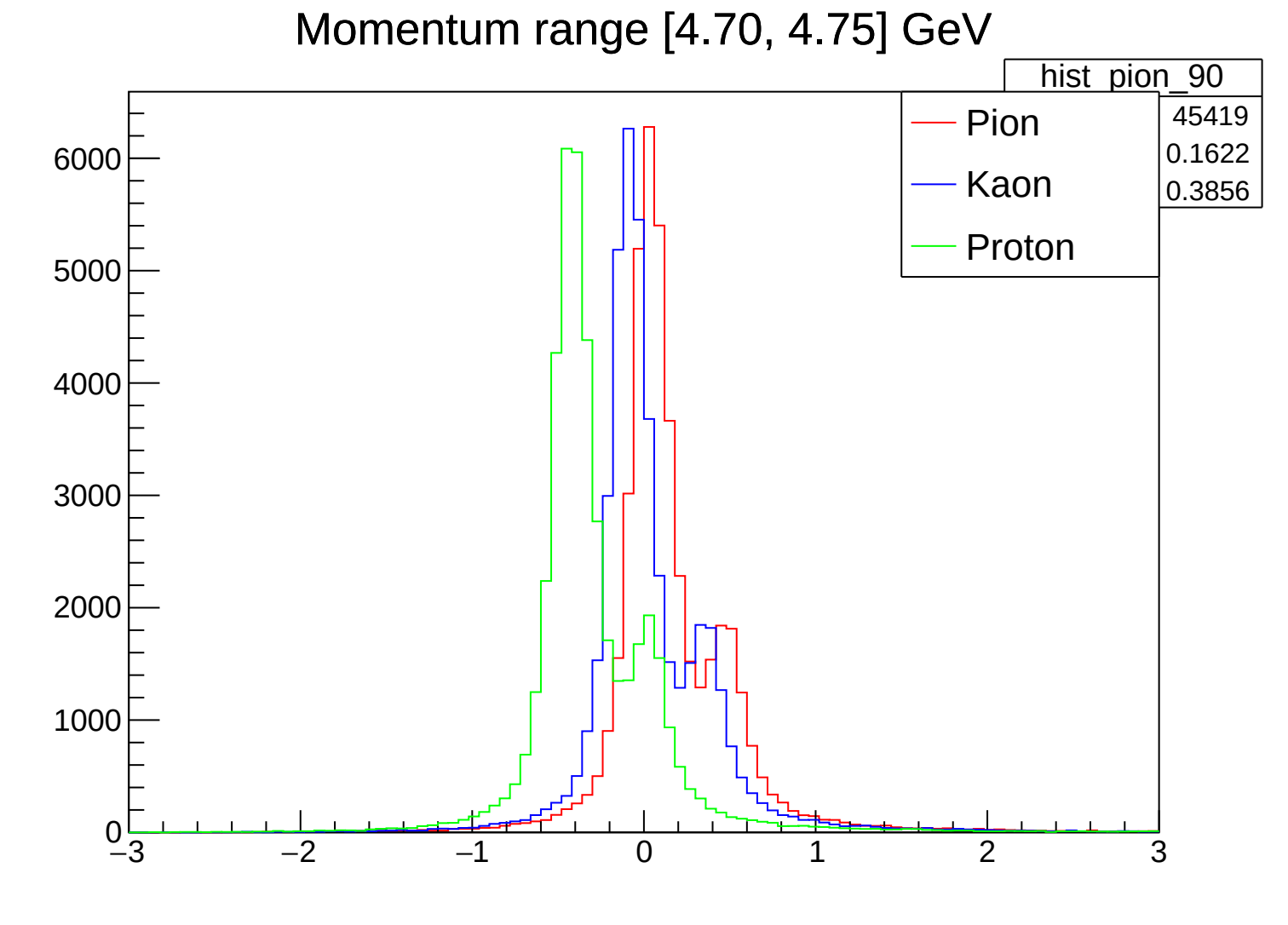
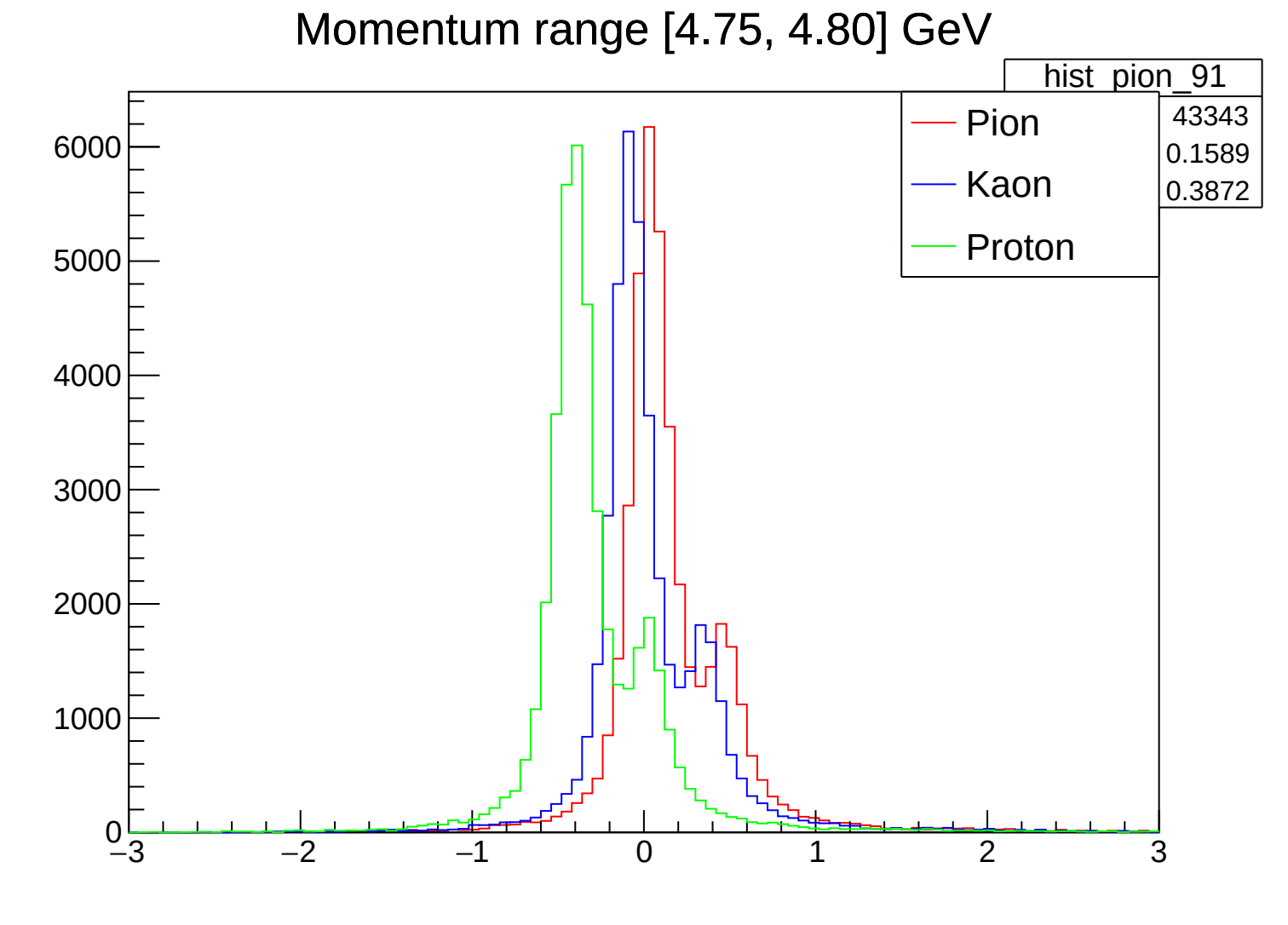
0
1
2
3


Momentum range [4.70, 4.75] GeV
hist_pion_90
45419
0.1622
0.3856
Pion
Kaon
Proton
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3


Momentum range [4.75, 4.80] GeV
hist_pion_91
43343
0.1589
0.3872
Pion
Kaon
Proton
6000
5000
4000
3000
2000
1000
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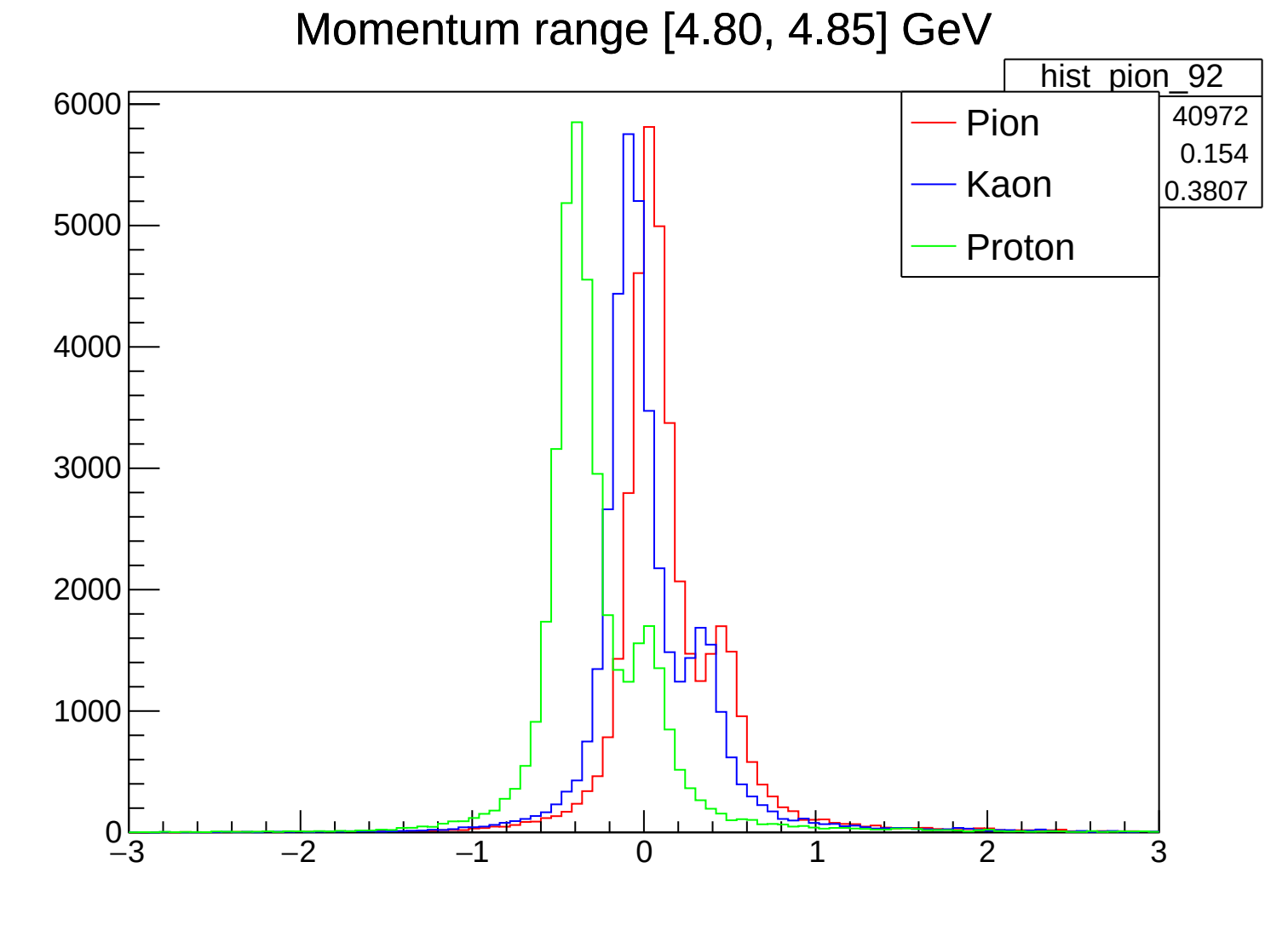
−3
−2
−1
0
1
2
3


Momentum range [4.80, 4.85] GeV
hist_pion_92
40972
0.154
0.3807
Pion
Kaon
Proton
6000
5000
4000
3000
2000
1000
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−3
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1
2
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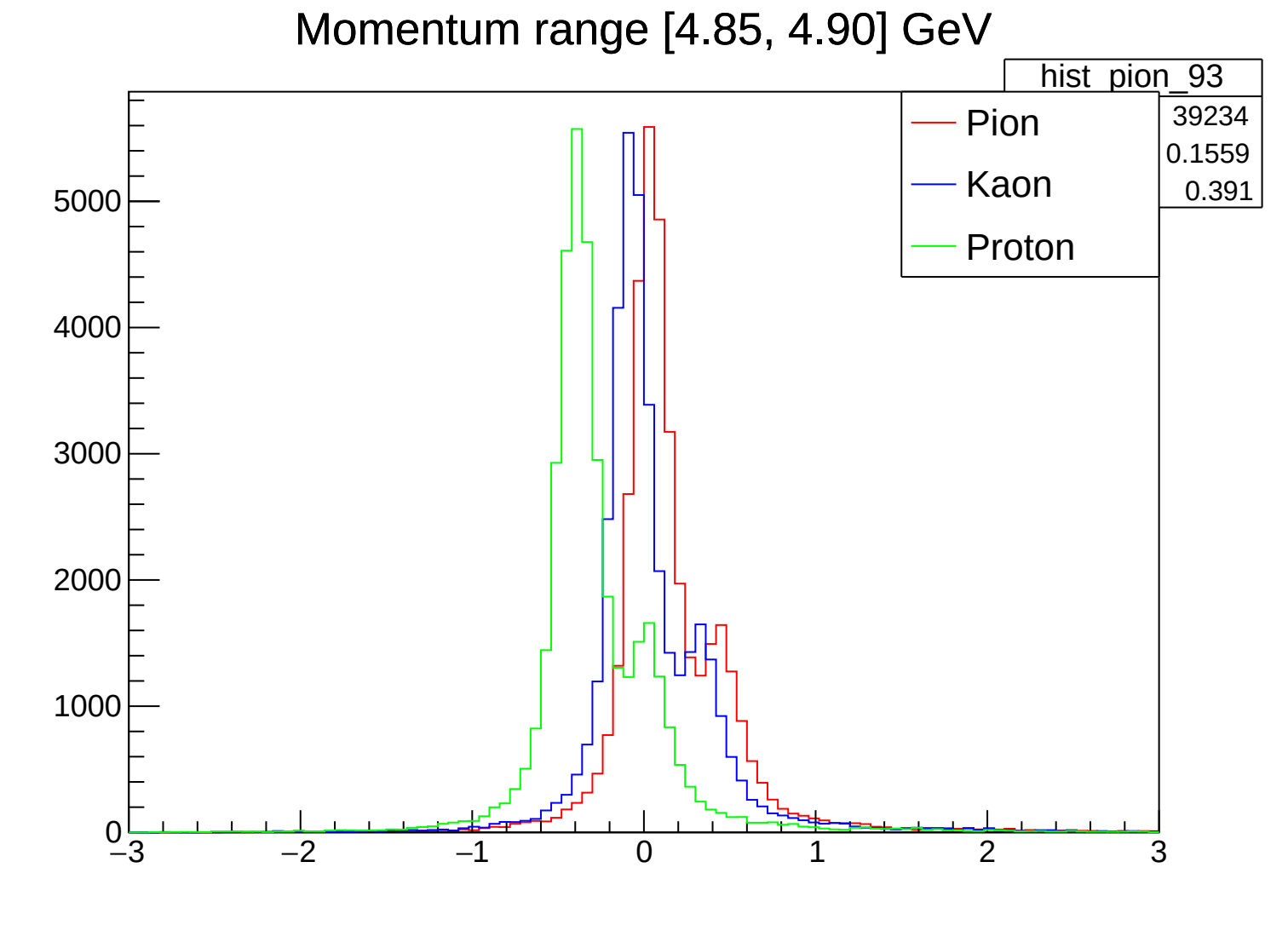
Momentum range [4.85, 4.90] GeV
hist_pion_93
39234
0.1559
0.391
Pion
Kaon
Proton
5000
4000
3000
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0
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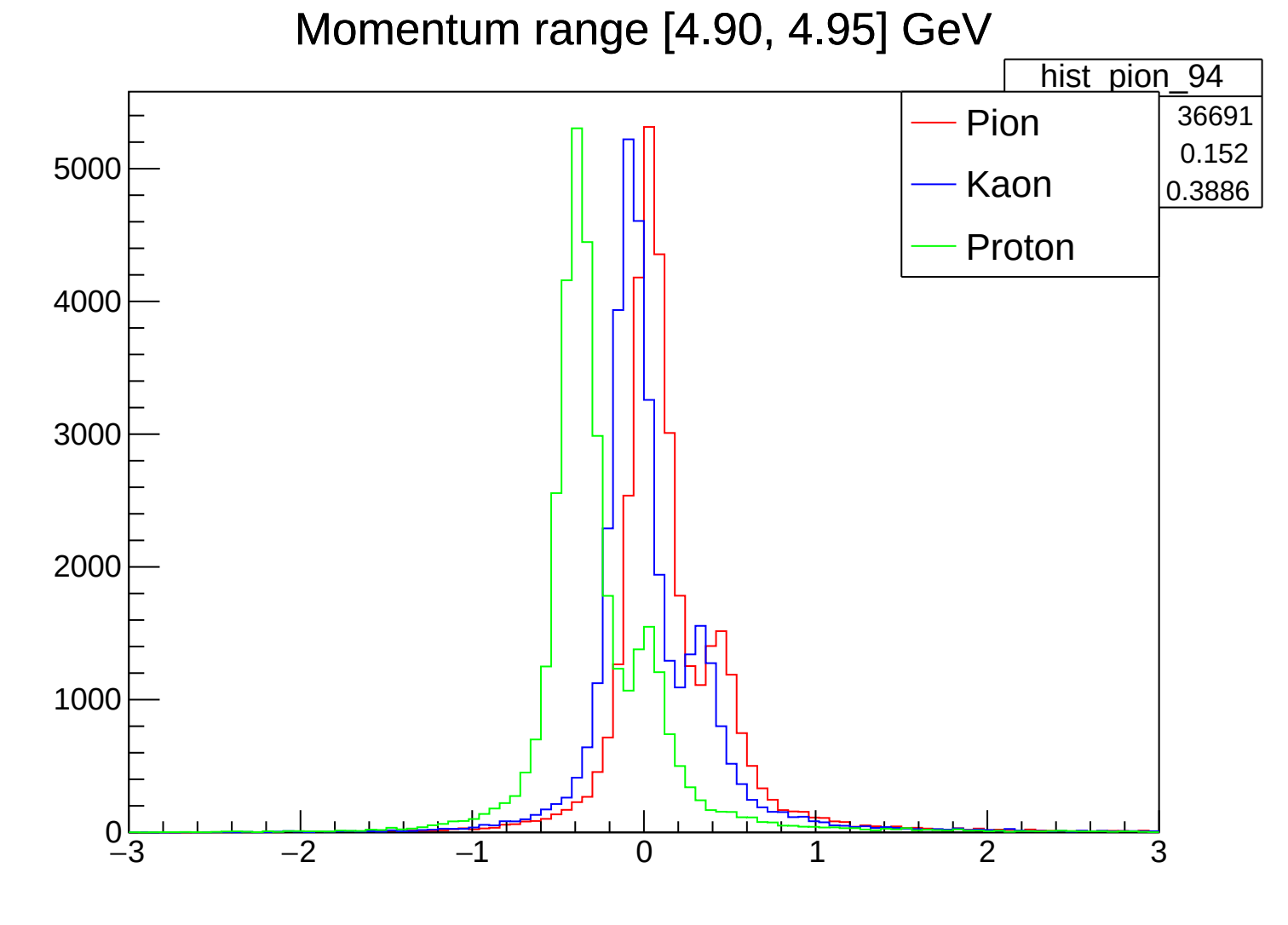
Momentum range [4.90, 4.95] GeV
hist_pion_94
36691
0.152
0.3886
Pion
Kaon
Proton
5000
4000
3000
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−3
−2
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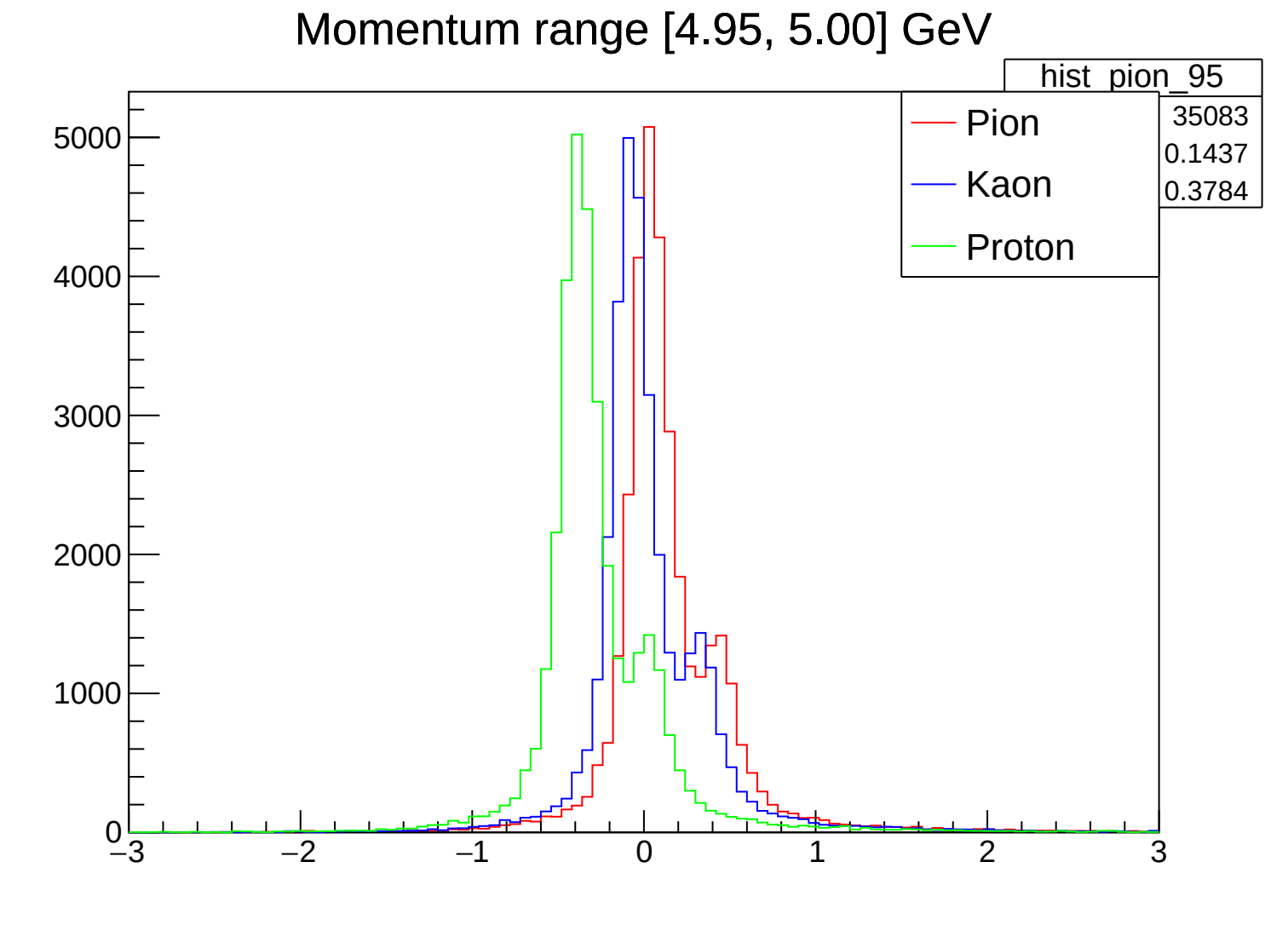
2
3


Momentum range [4.95, 5.00] GeV
hist_pion_95
35083
0.1437
0.3784
Pion
Kaon
Proton
5000
4000
3000
2000
1000
0
−3
−2
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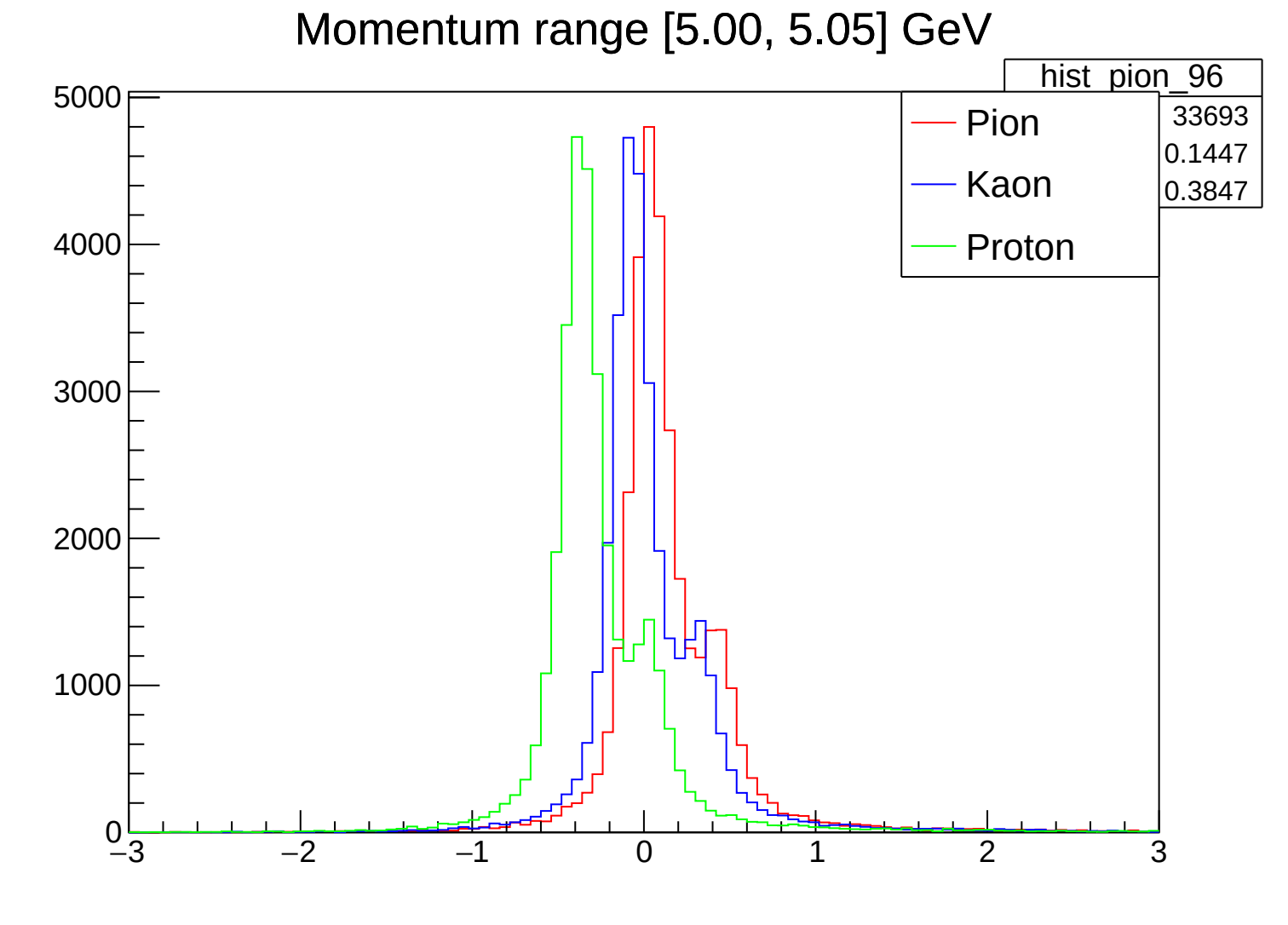
0
1
2
3


Momentum range [5.00, 5.05] GeV
hist_pion_96
33693
0.1447
0.3847
Pion
Kaon
Proton
5000
4000
3000
2000
1000
0
−3
−2
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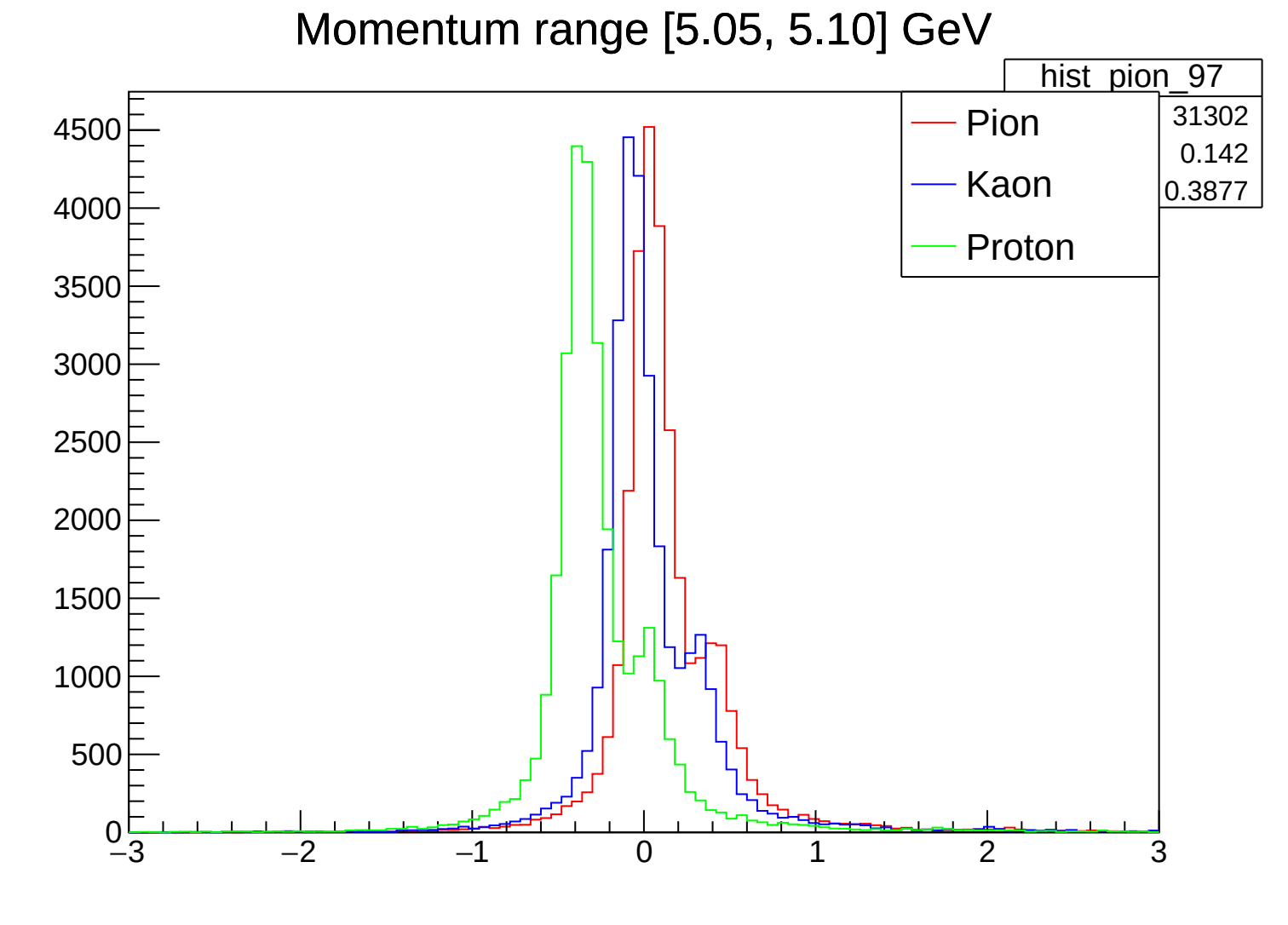
0
1
2
3


Momentum range [5.05, 5.10] GeV
hist_pion_97
31302
0.142
0.3877
Pion
Kaon
Proton
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3500
3000
2500
2000
1500
1000
500
0
−3
−2
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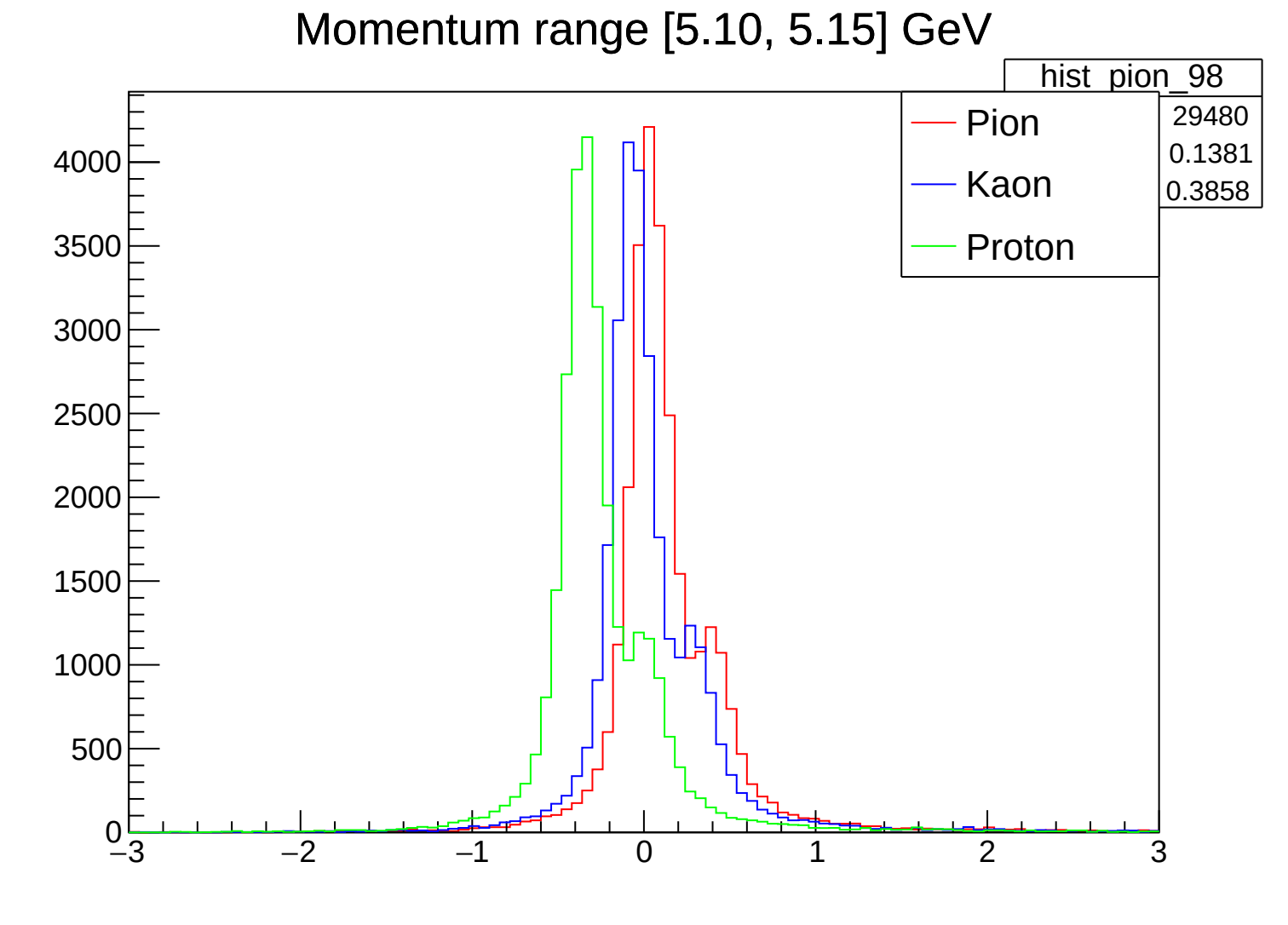
1
2
3


Momentum range [5.10, 5.15] GeV
hist_pion_98
29480
0.1381
0.3858
Pion
Kaon
Proton
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3500
3000
2500
2000
1500
1000
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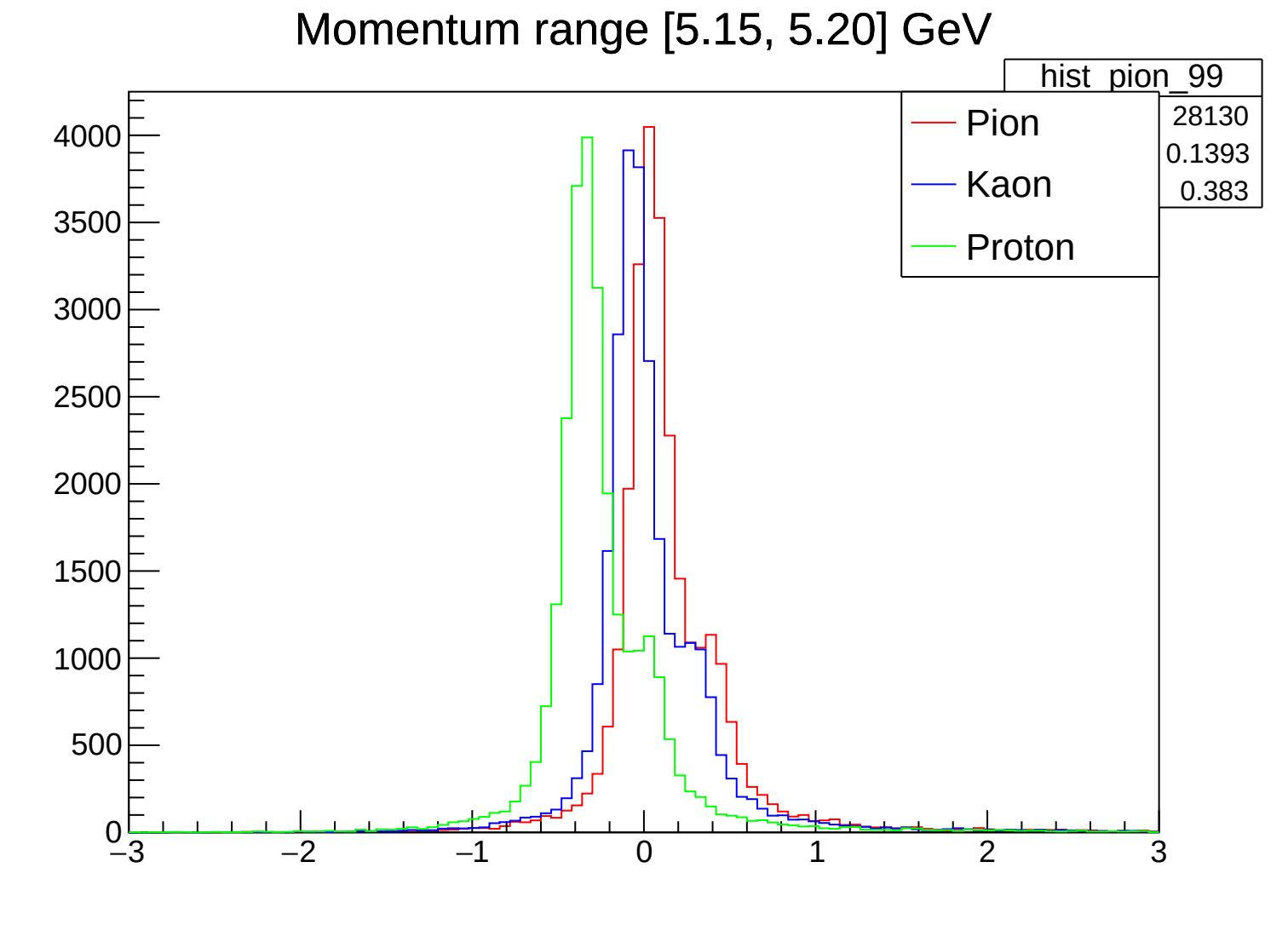
2
3


Momentum range [5.15, 5.20] GeV
hist_pion_99
28130
0.1393
0.383
Pion
Kaon
Proton
4000
3500
3000
2500
2000
1500
1000
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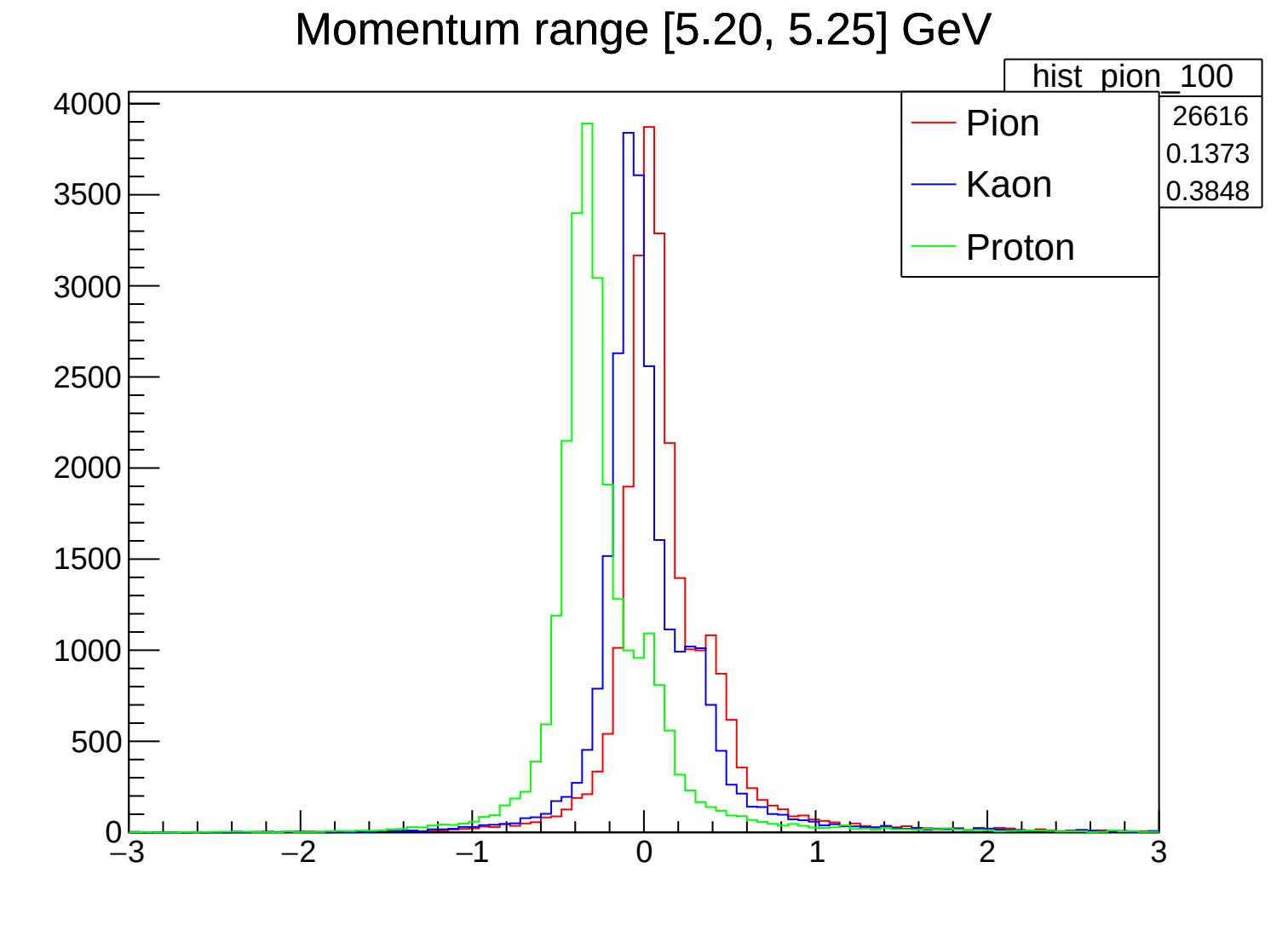
2
3


Momentum range [5.20, 5.25] GeV
hist_pion_100
26616
0.1373
0.3848
Pion
Kaon
Proton
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3500
3000
2500
2000
1500
1000
500
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−3
−2
−1
0
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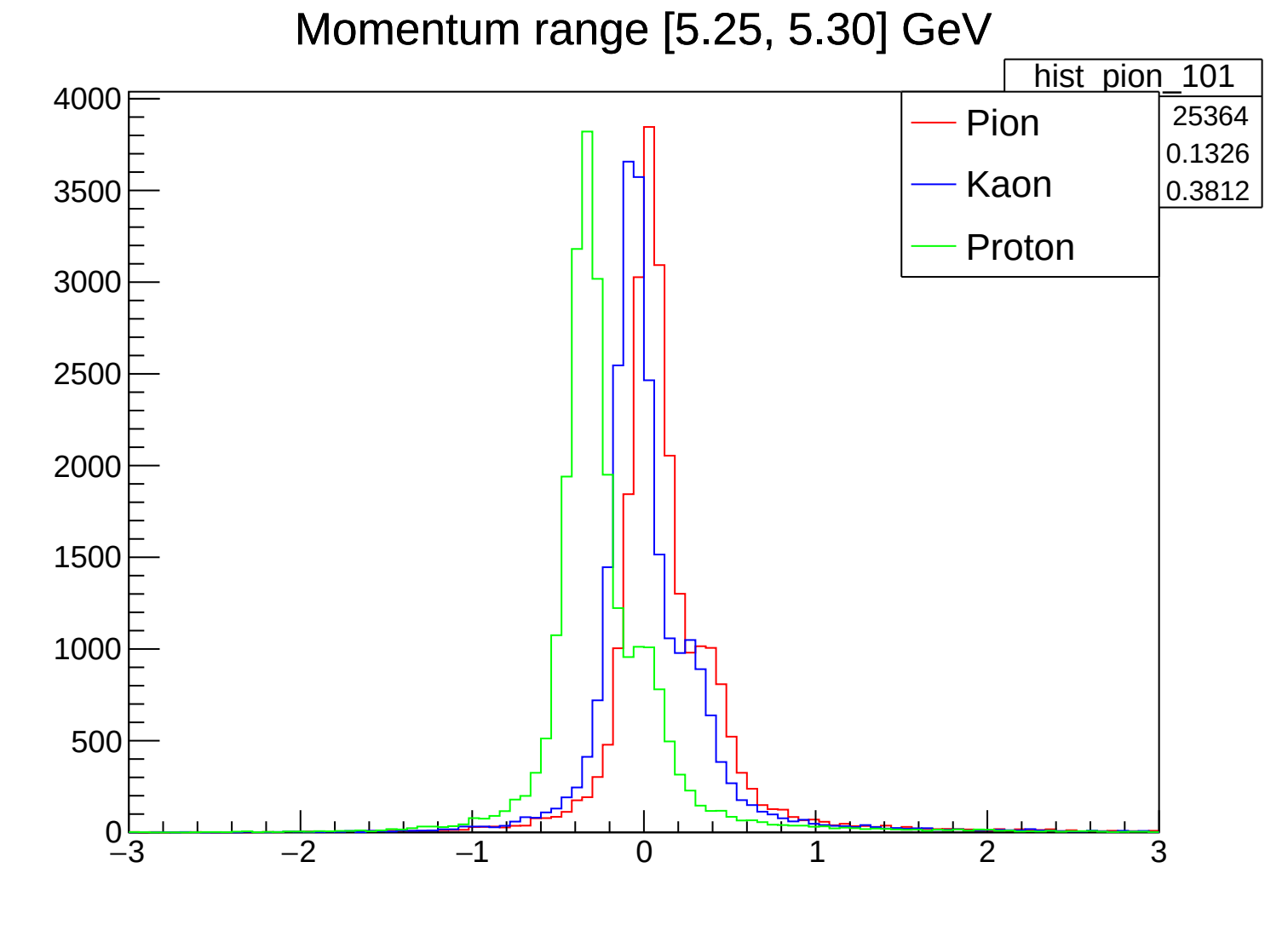
2
3


Momentum range [5.25, 5.30] GeV
hist_pion_101
25364
0.1326
0.3812
Pion
Kaon
Proton
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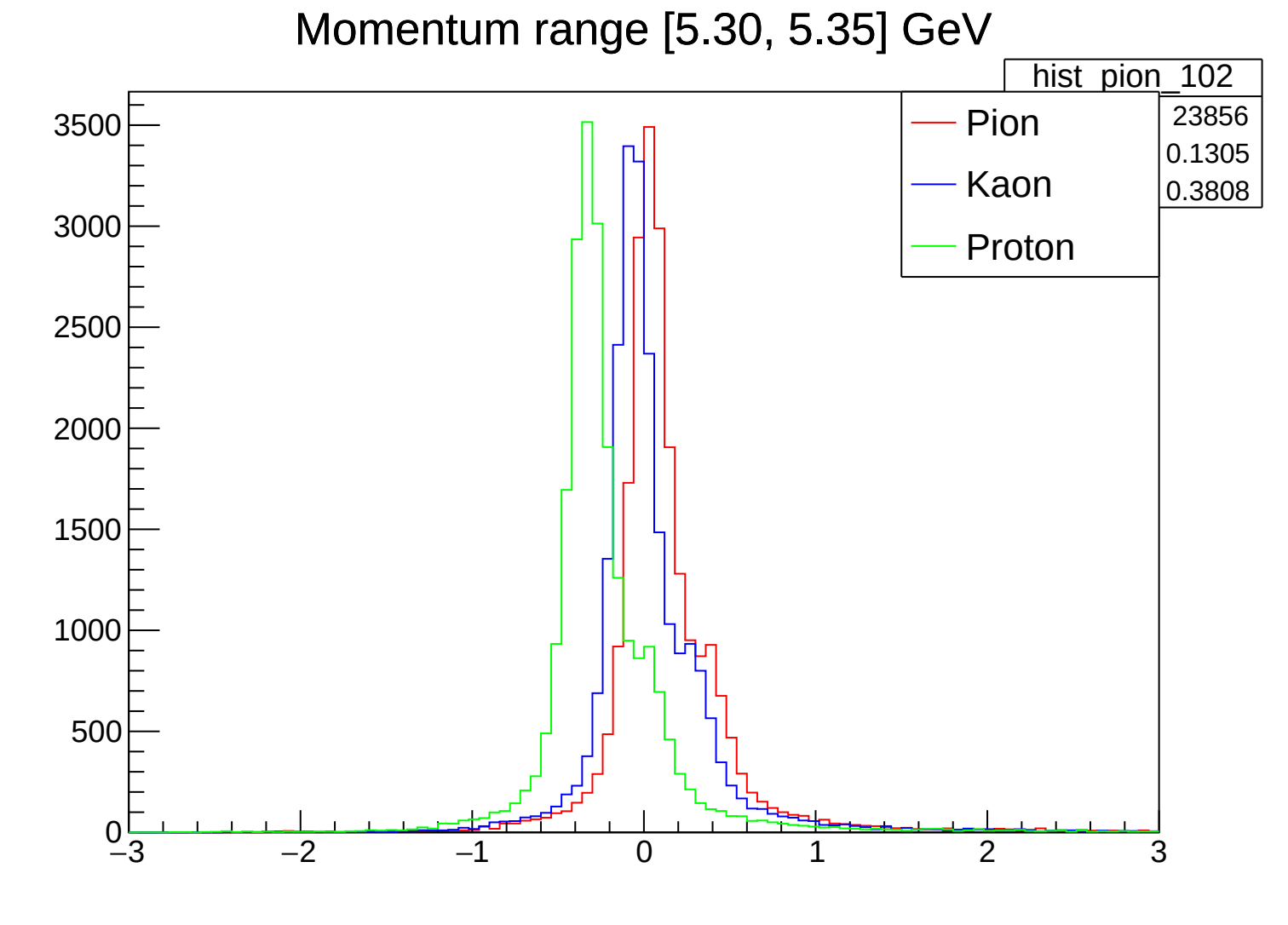
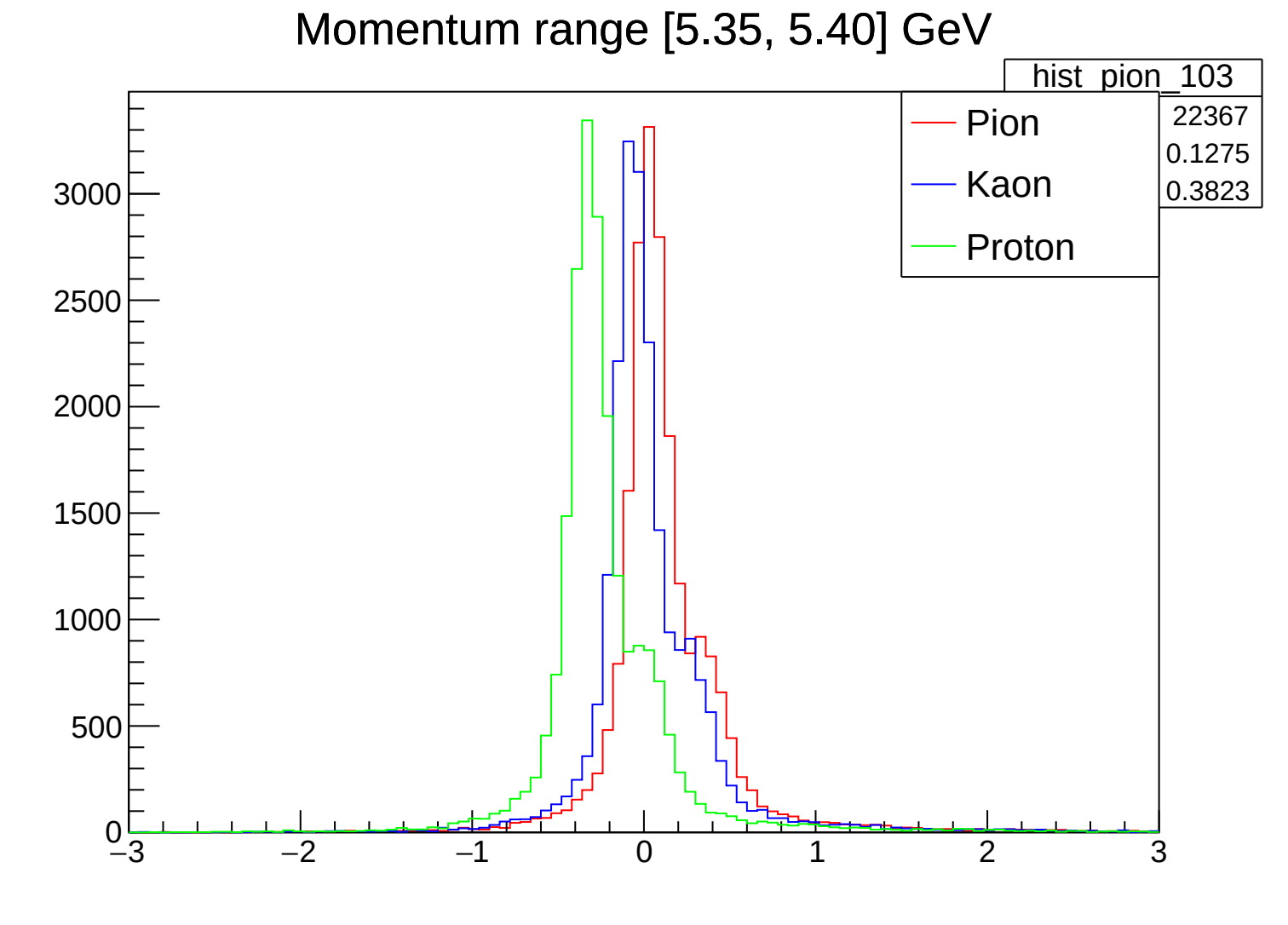
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3


Momentum range [5.30, 5.35] GeV
hist_pion_102
23856
0.1305
0.3808
Pion
Kaon
Proton
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3


Momentum range [5.35, 5.40] GeV
hist_pion_103
22367
0.1275
0.3823
Pion
Kaon
Proton
3000
2500
2000
1500
1000
500
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−3
−2
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1
2
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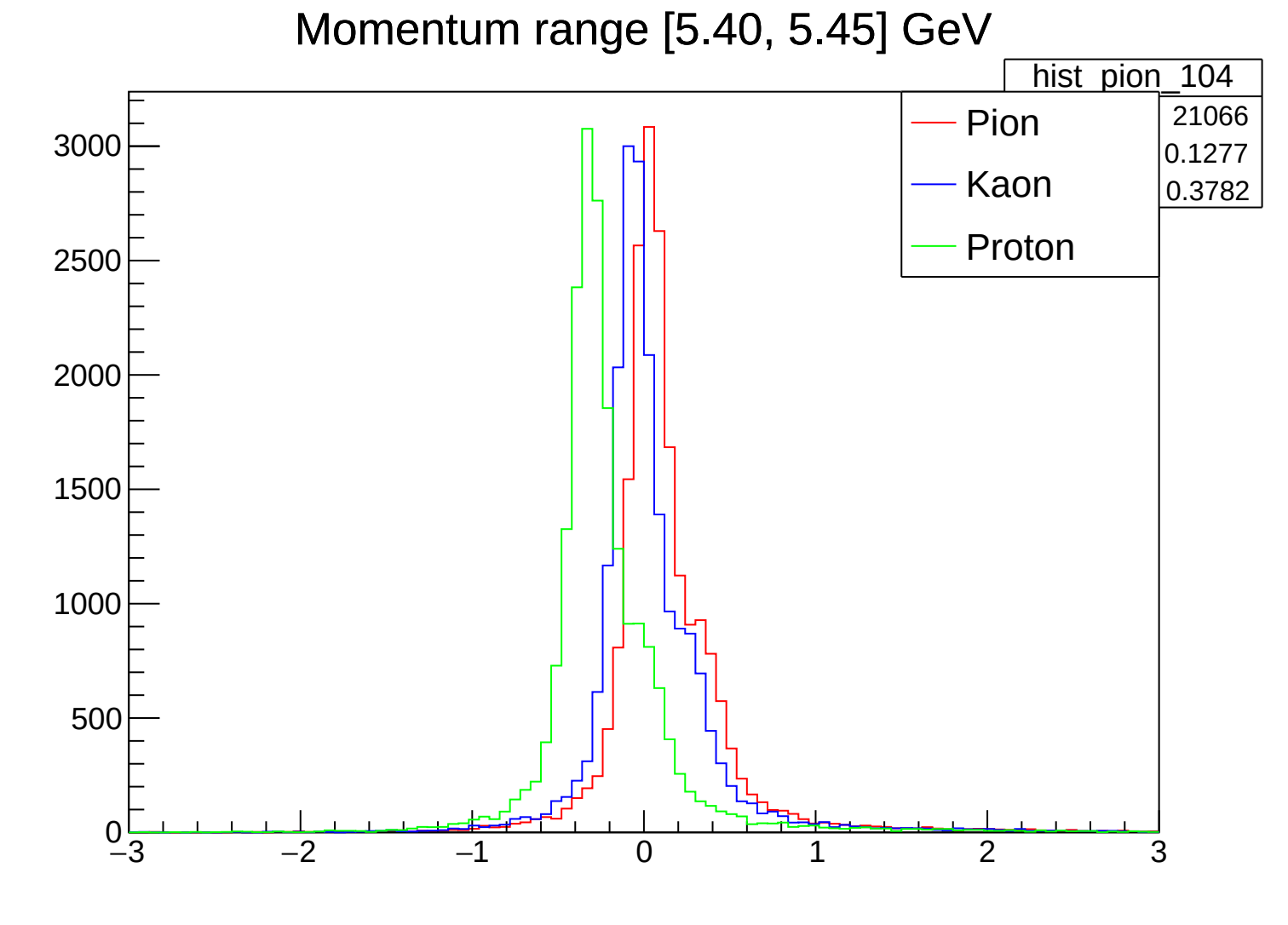
Momentum range [5.40, 5.45] GeV
hist_pion_104
21066
0.1277
0.3782
Pion
Kaon
Proton
3000
2500
2000
1500
1000
500
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−3
−2
−1
0
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2
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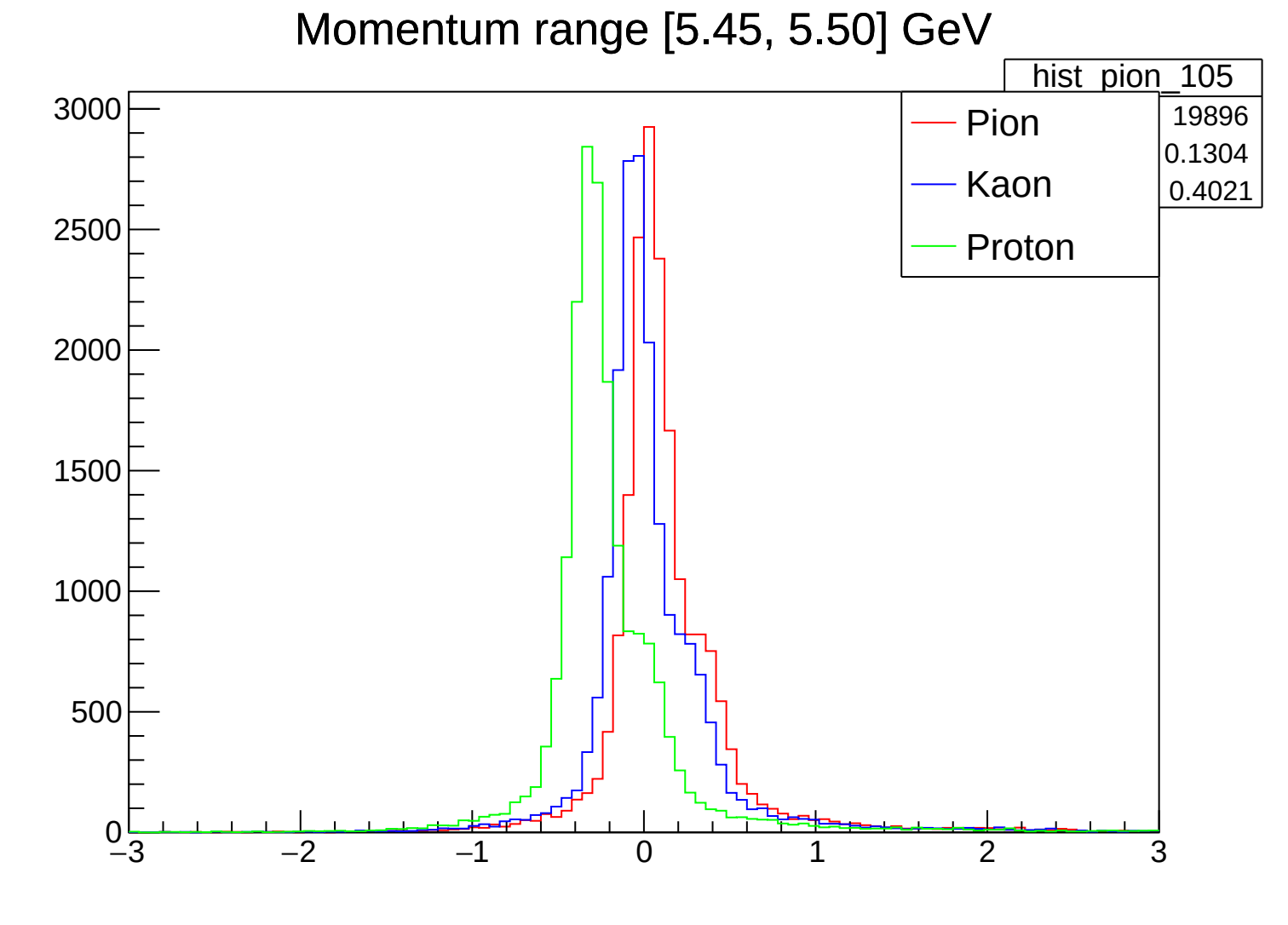
Momentum range [5.45, 5.50] GeV
hist_pion_105
19896
0.1304
0.4021
Pion
Kaon
Proton
3000
2500
2000
1500
1000
500
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−3
−2
−1
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2
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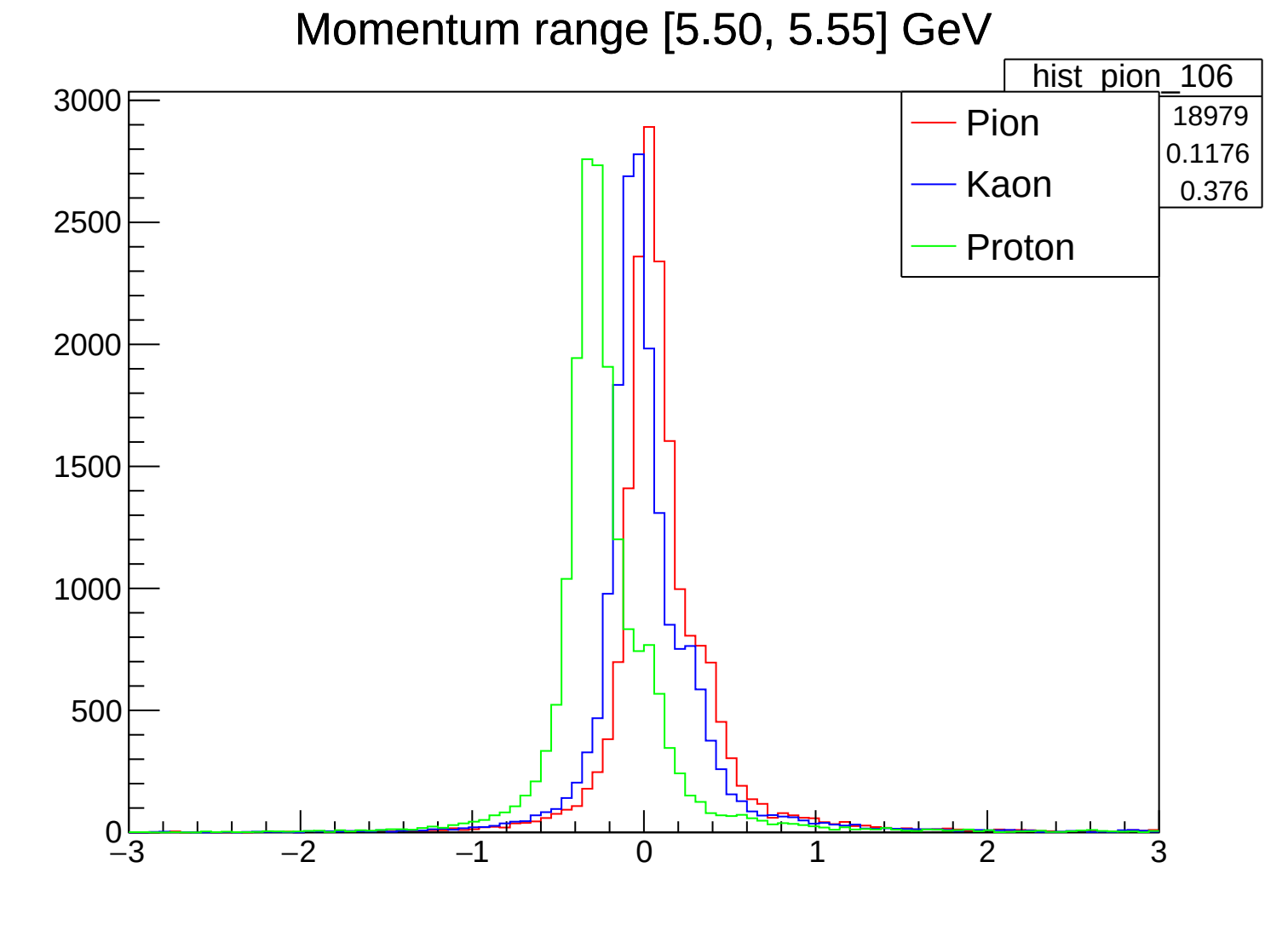
Momentum range [5.50, 5.55] GeV
hist_pion_106
18979
0.1176
0.376
Pion
Kaon
Proton
3000
2500
2000
1500
1000
500
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−3
−2
−1
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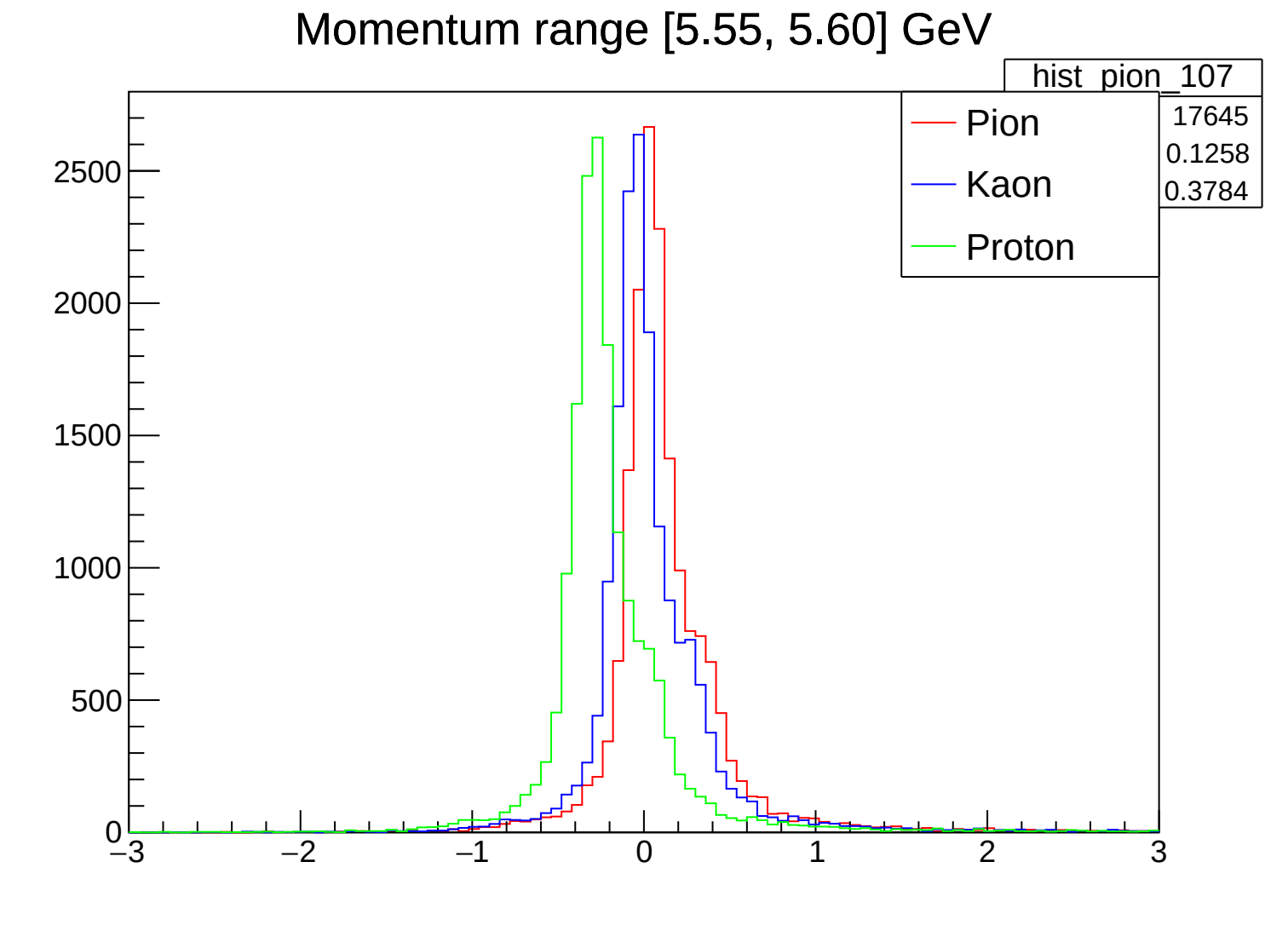
Momentum range [5.55, 5.60] GeV
hist_pion_107
17645
0.1258
0.3784
Pion
Kaon
Proton
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
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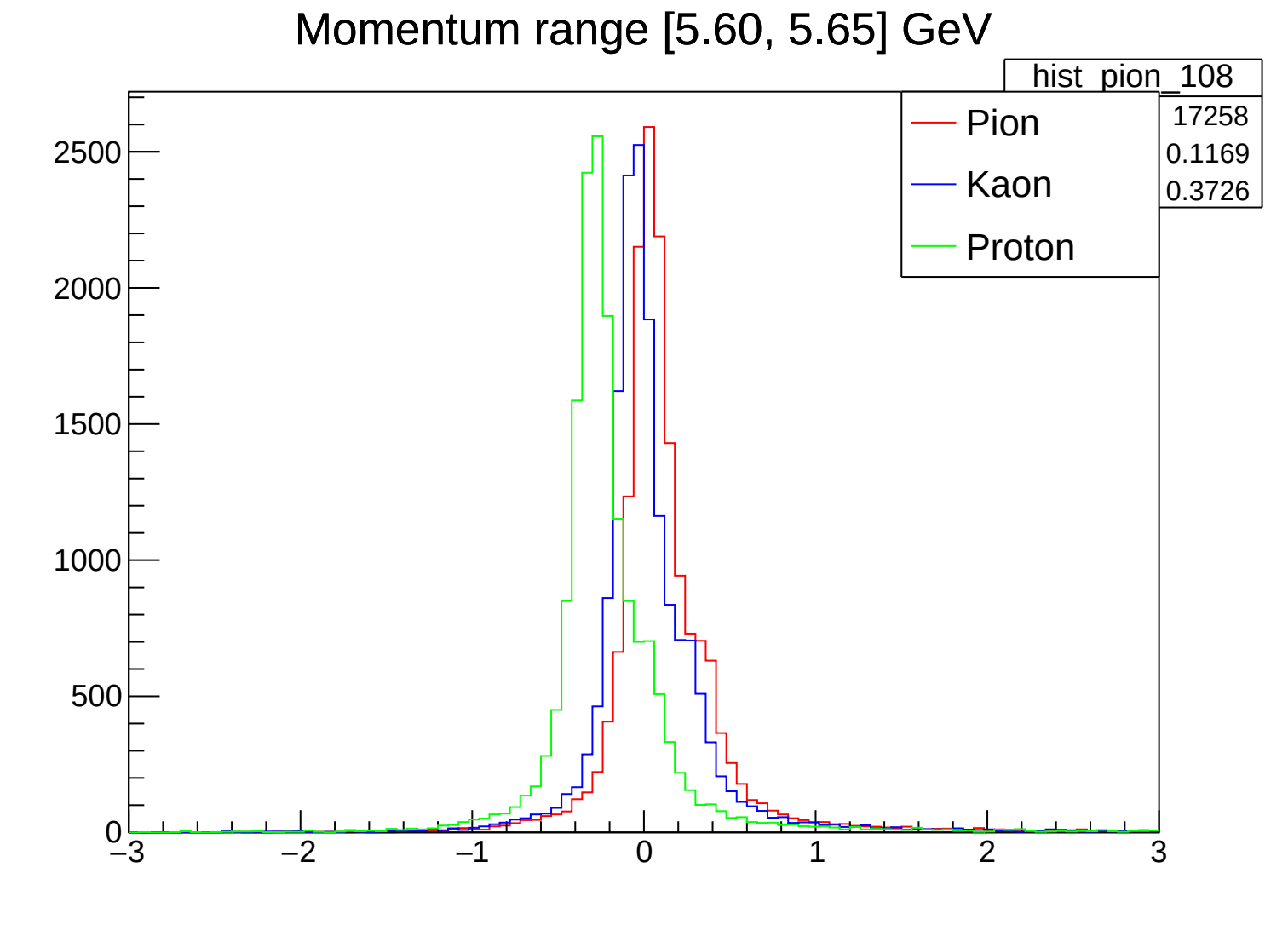
Momentum range [5.60, 5.65] GeV
hist_pion_108
17258
0.1169
0.3726
Pion
Kaon
Proton
2500
2000
1500
1000
500
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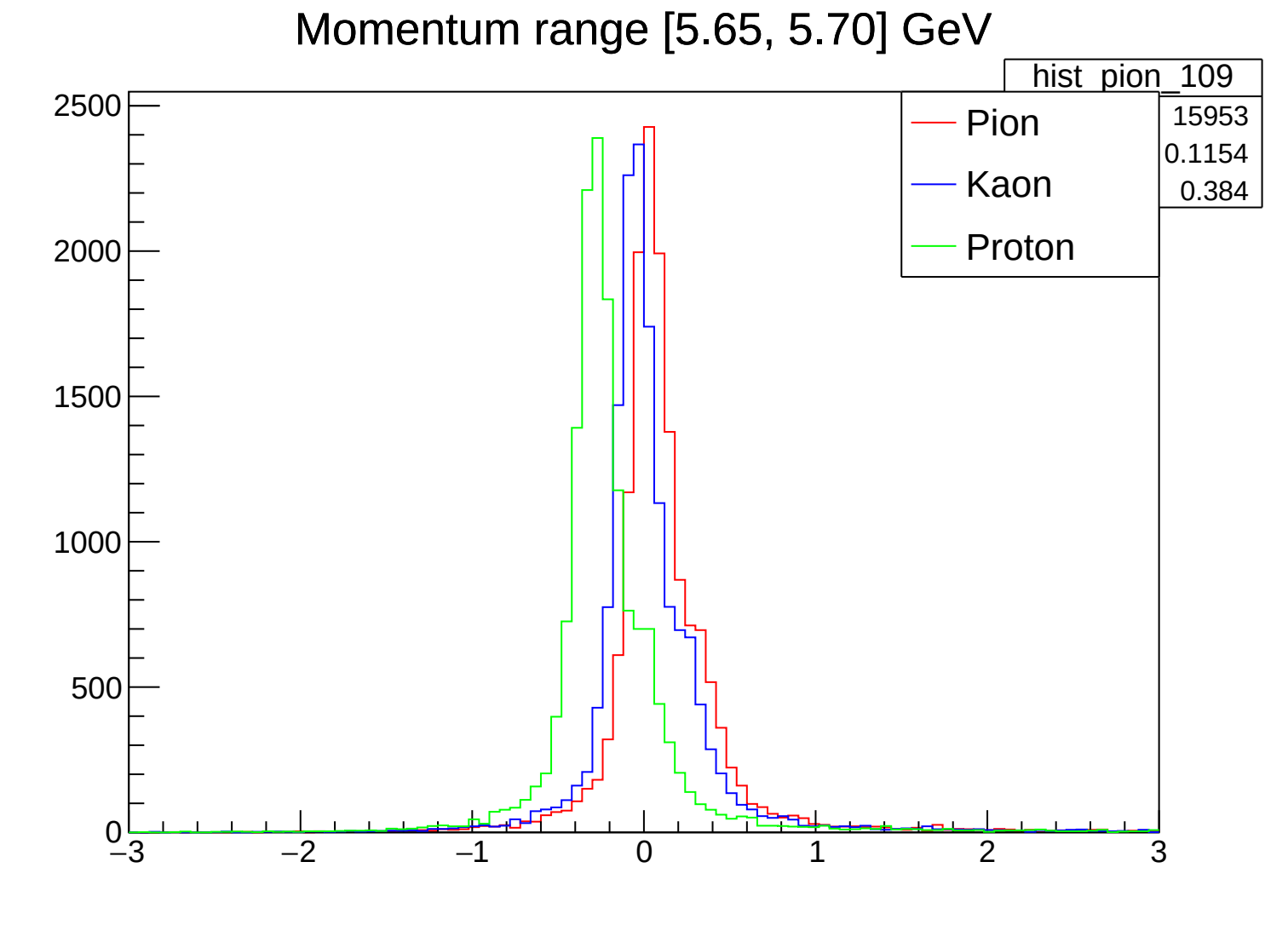
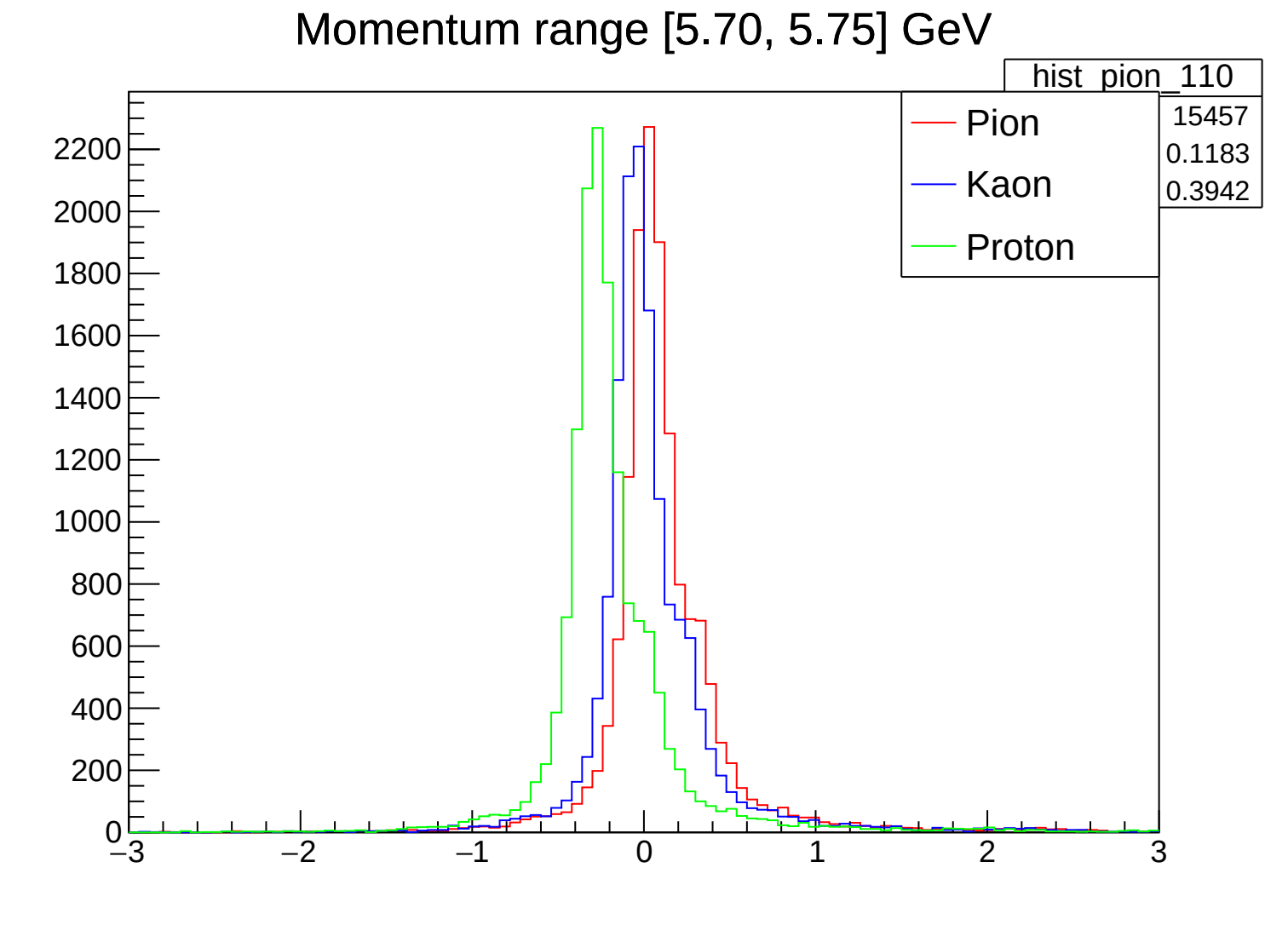

Momentum range [5.65, 5.70] GeV
hist_pion_109
15953
0.1154
0.384
Pion
Kaon
Proton
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3


Momentum range [5.70, 5.75] GeV
hist_pion_110
15457
0.1183
0.3942
Pion
Kaon
Proton
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
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0
1
2
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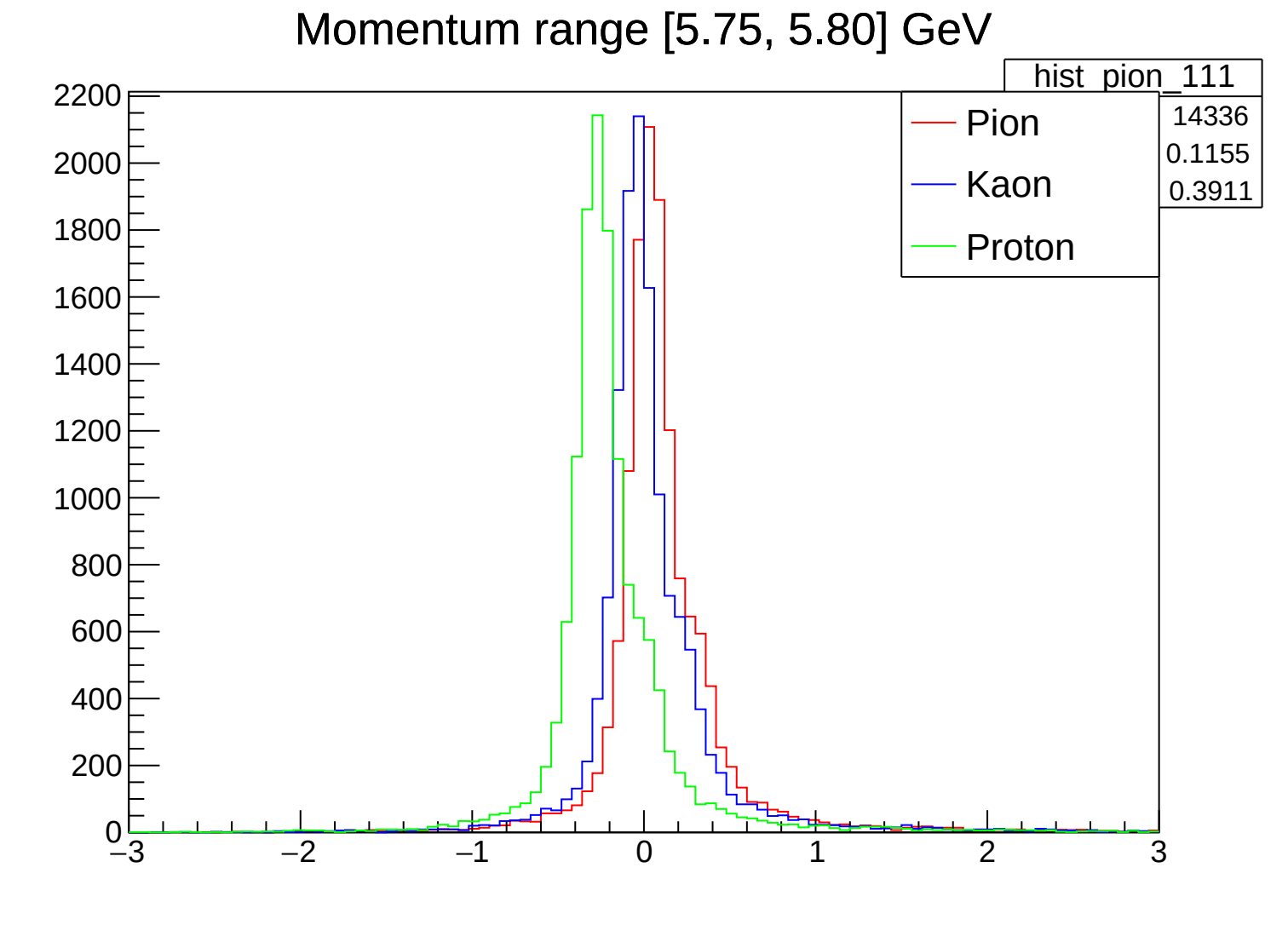
Momentum range [5.75, 5.80] GeV
hist_pion_111
14336
0.1155
0.3911
Pion
Kaon
Proton
2200
2000
1800
1600
1400
1200
1000
800
600
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200
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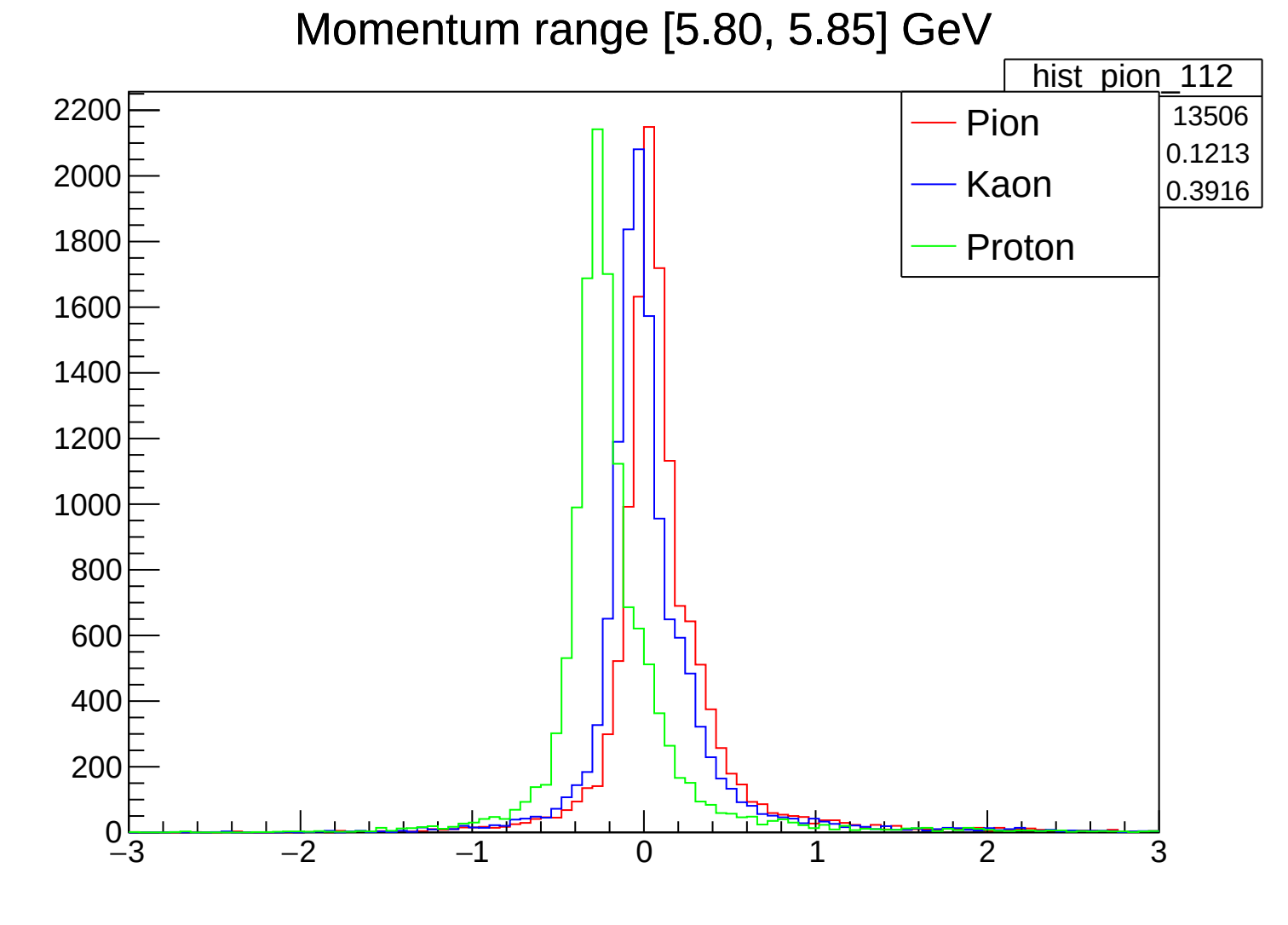
Momentum range [5.80, 5.85] GeV
hist_pion_112
13506
0.1213
0.3916
Pion
Kaon
Proton
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
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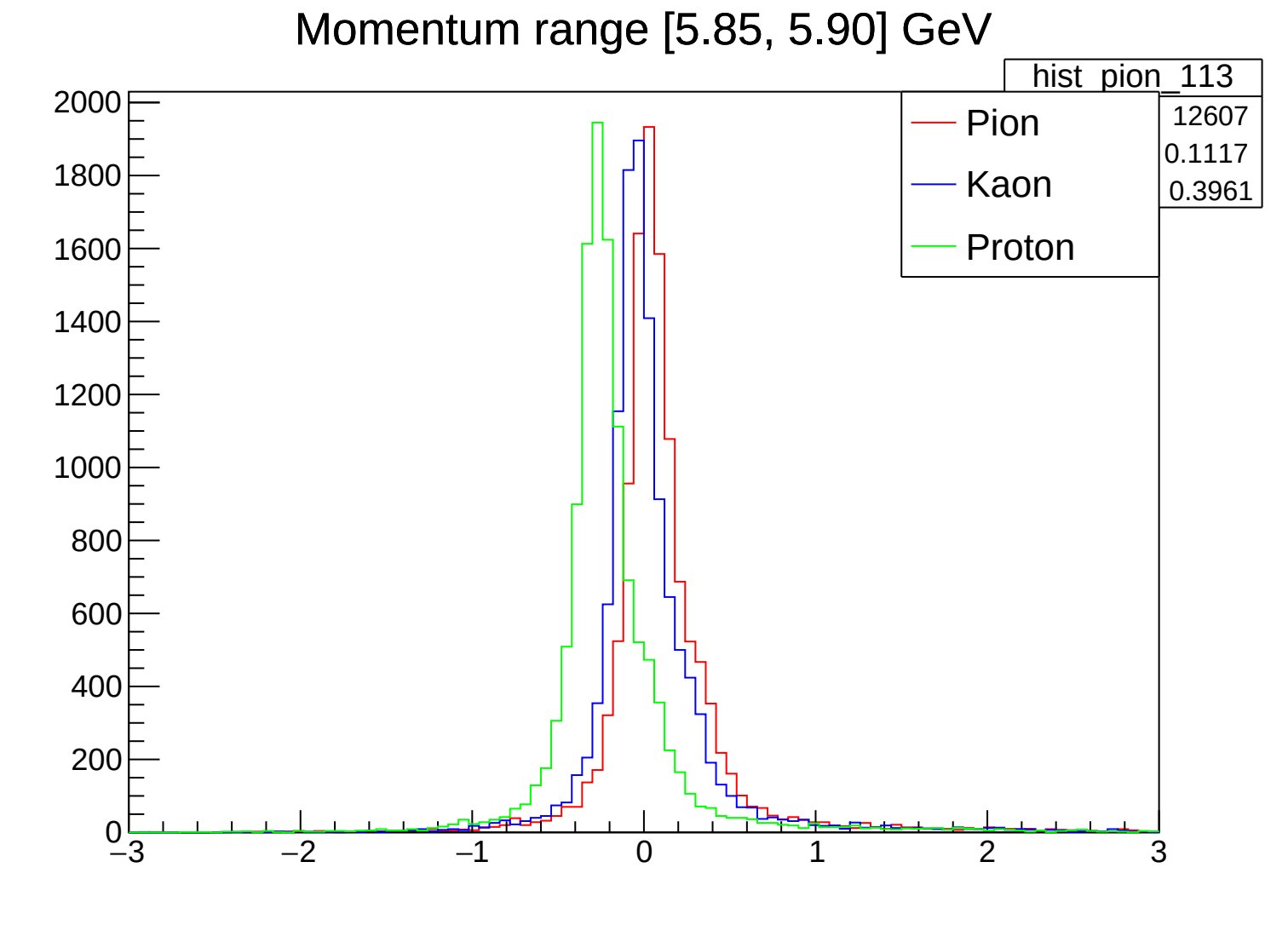
−3
−2
−1
0
1
2
3


Momentum range [5.85, 5.90] GeV
hist_pion_113
12607
0.1117
0.3961
Pion
Kaon
Proton
2000
1800
1600
1400
1200
1000
800
600
400
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−3
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2
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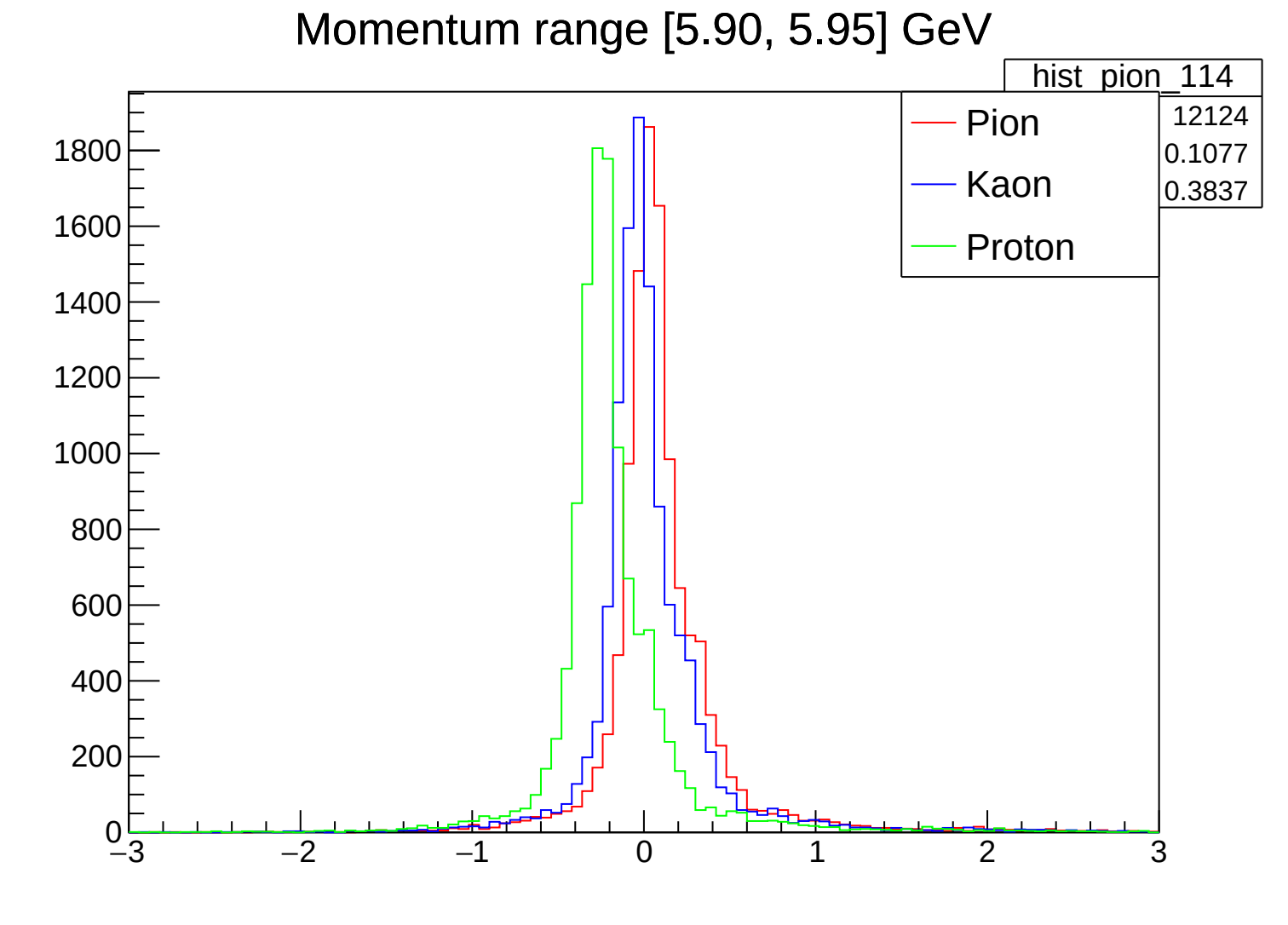
Momentum range [5.90, 5.95] GeV
hist_pion_114
12124
0.1077
0.3837
Pion
Kaon
Proton
1800
1600
1400
1200
1000
800
600
400
200
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−3
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2
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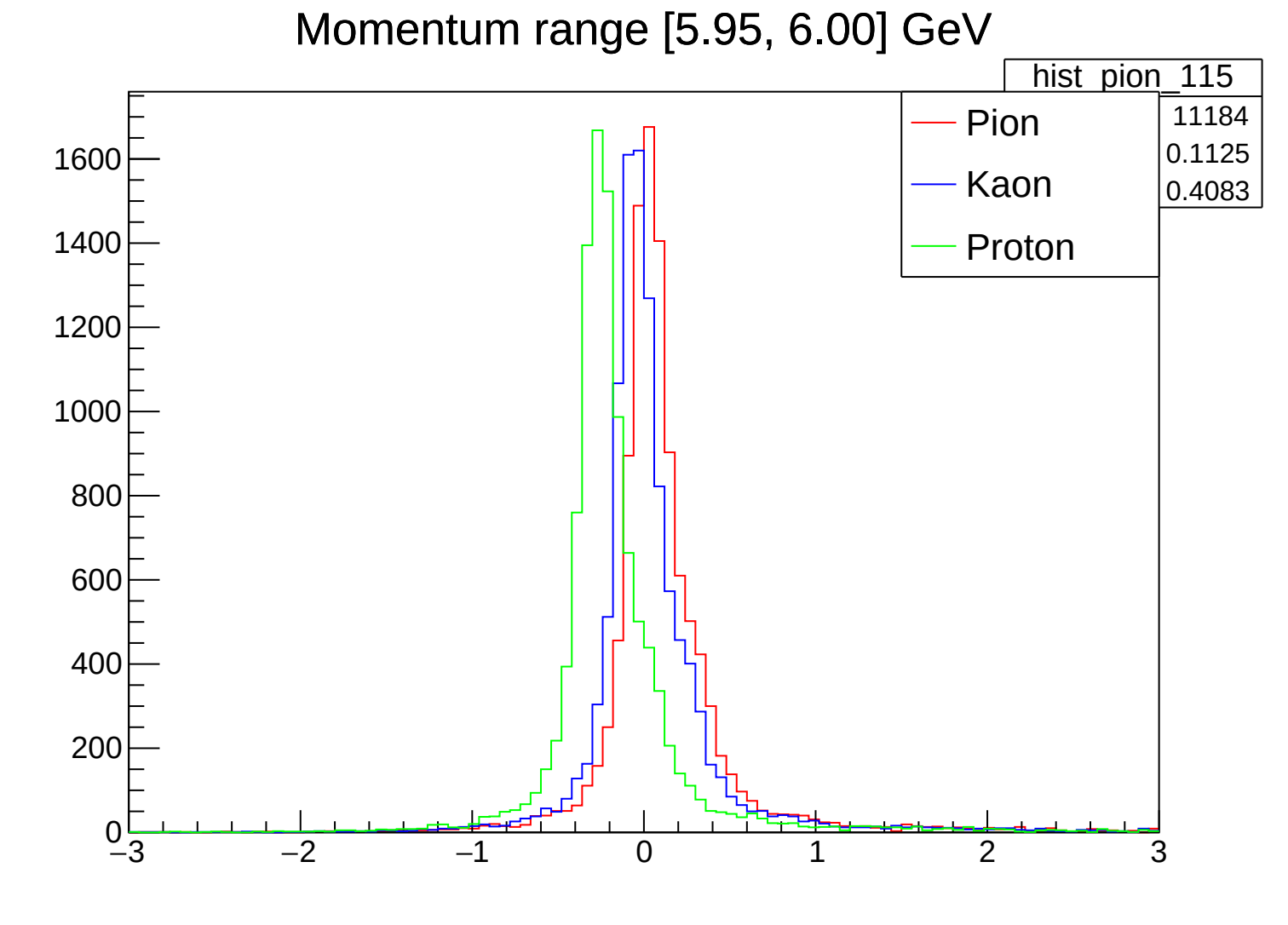
Momentum range [5.95, 6.00] GeV
hist_pion_115
11184
0.1125
0.4083
Pion
Kaon
Proton
1600
1400
1200
1000
800
600
400
200
0
−3
−2
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0
1
2
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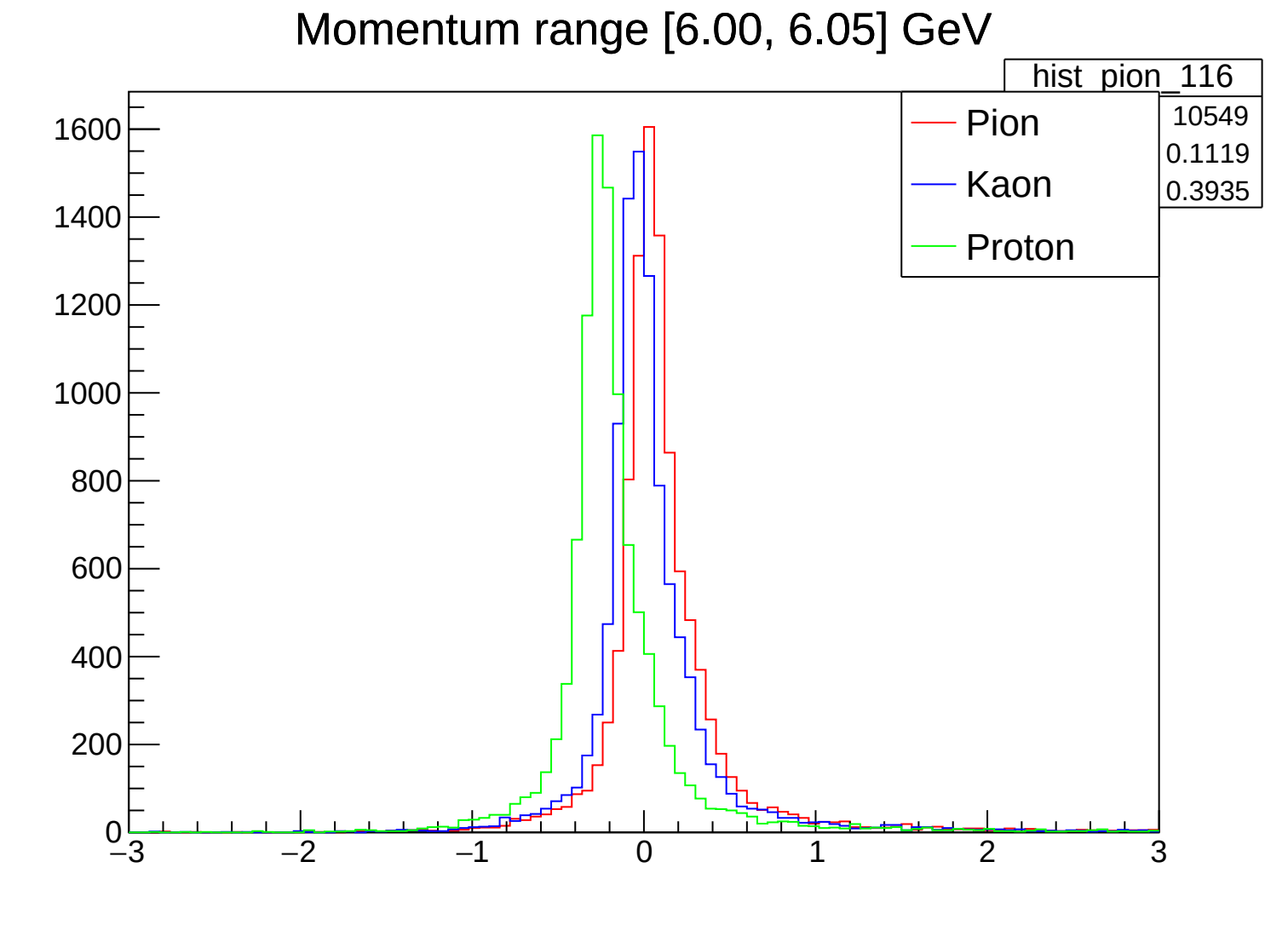
Momentum range [6.00, 6.05] GeV
hist_pion_116
10549
0.1119
0.3935
Pion
Kaon
Proton
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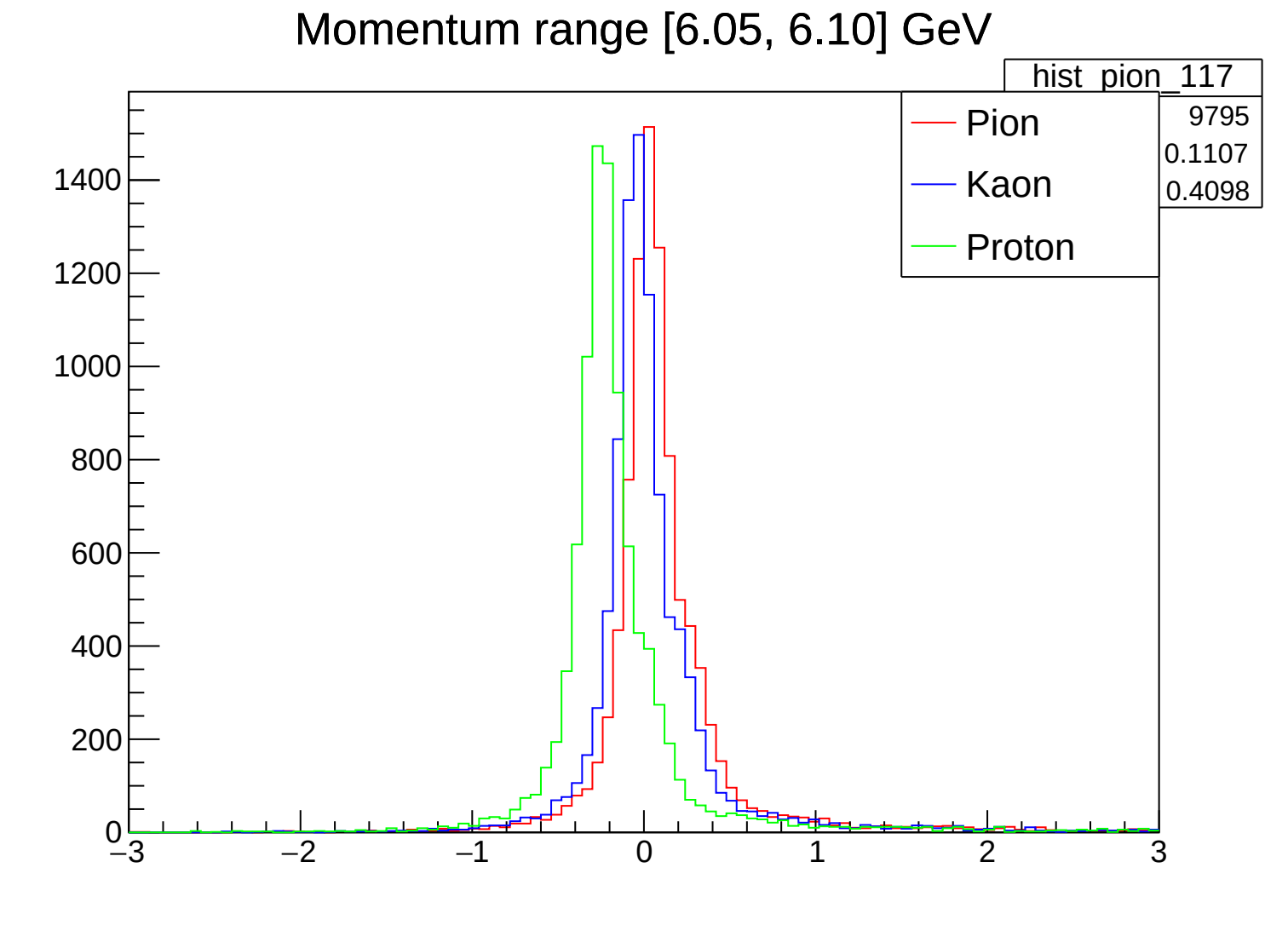
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3


Momentum range [6.05, 6.10] GeV
hist_pion_117
9795
0.1107
0.4098
Pion
Kaon
Proton
1400
1200
1000
800
600
400
200
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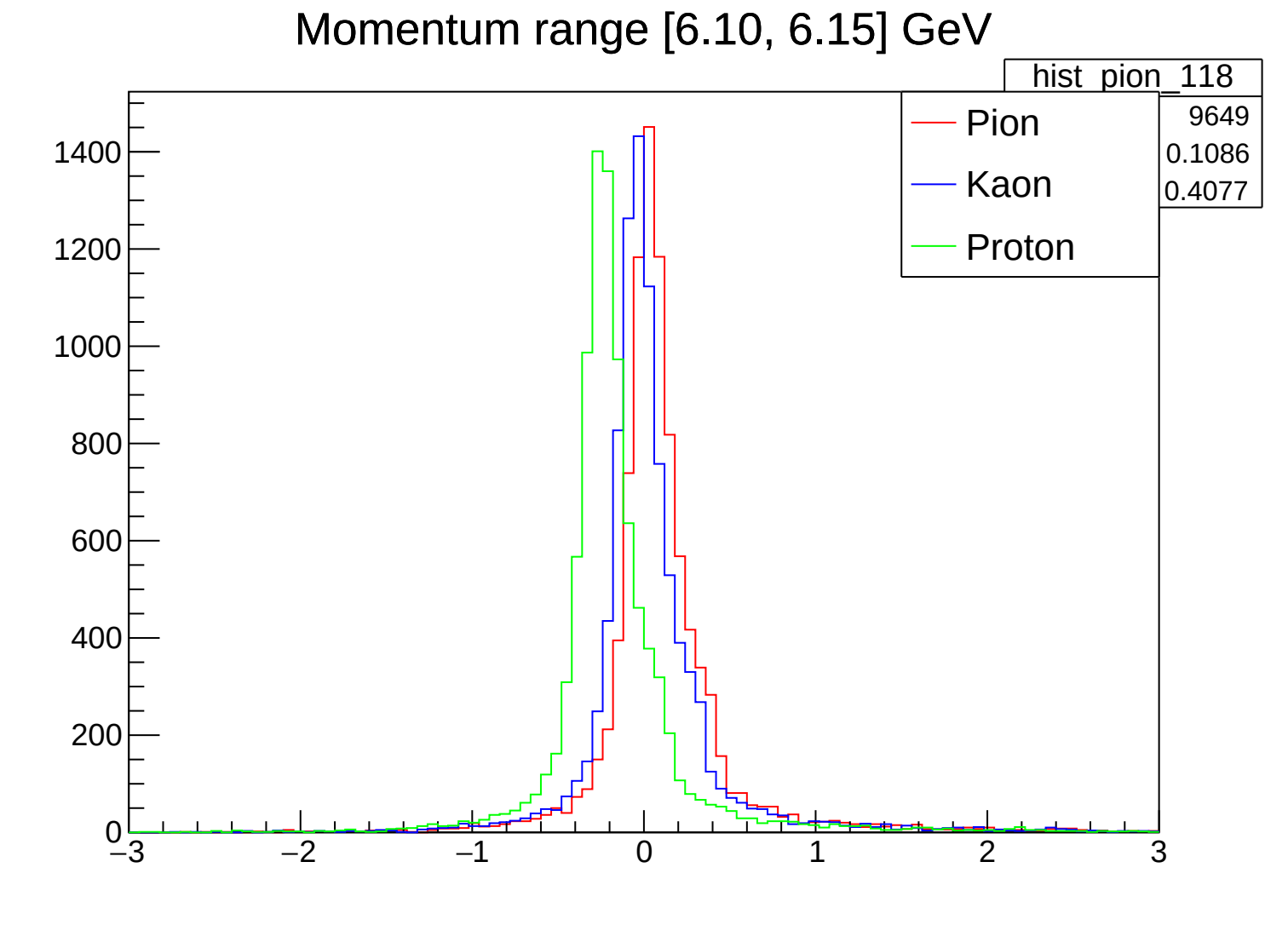
−3
−2
−1
0
1
2
3


Momentum range [6.10, 6.15] GeV
hist_pion_118
9649
0.1086
0.4077
Pion
Kaon
Proton
1400
1200
1000
800
600
400
200
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−3
−2
−1
0
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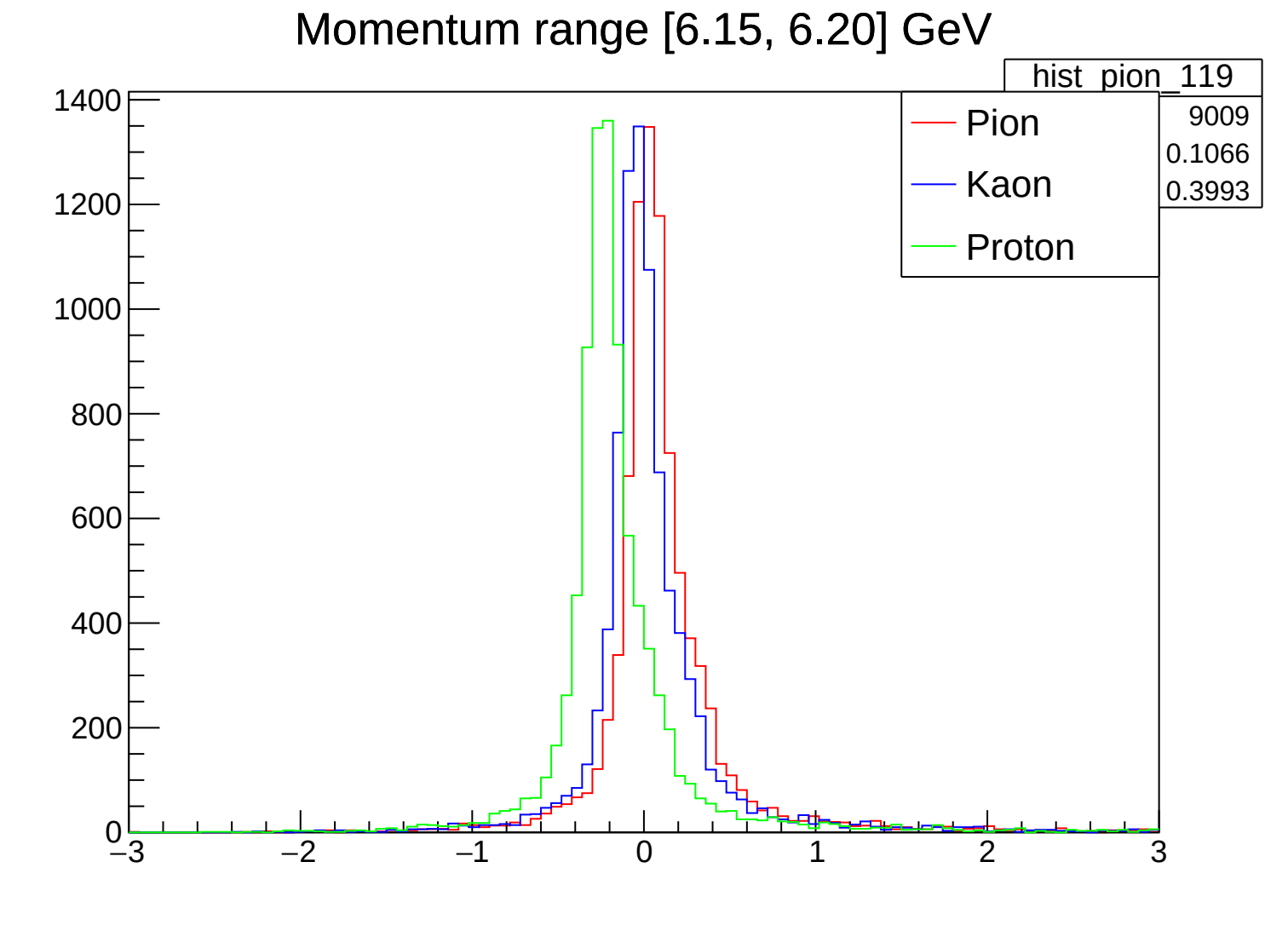
2
3


Momentum range [6.15, 6.20] GeV
hist_pion_119
9009
0.1066
0.3993
Pion
Kaon
Proton
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1200
1000
800
600
400
200
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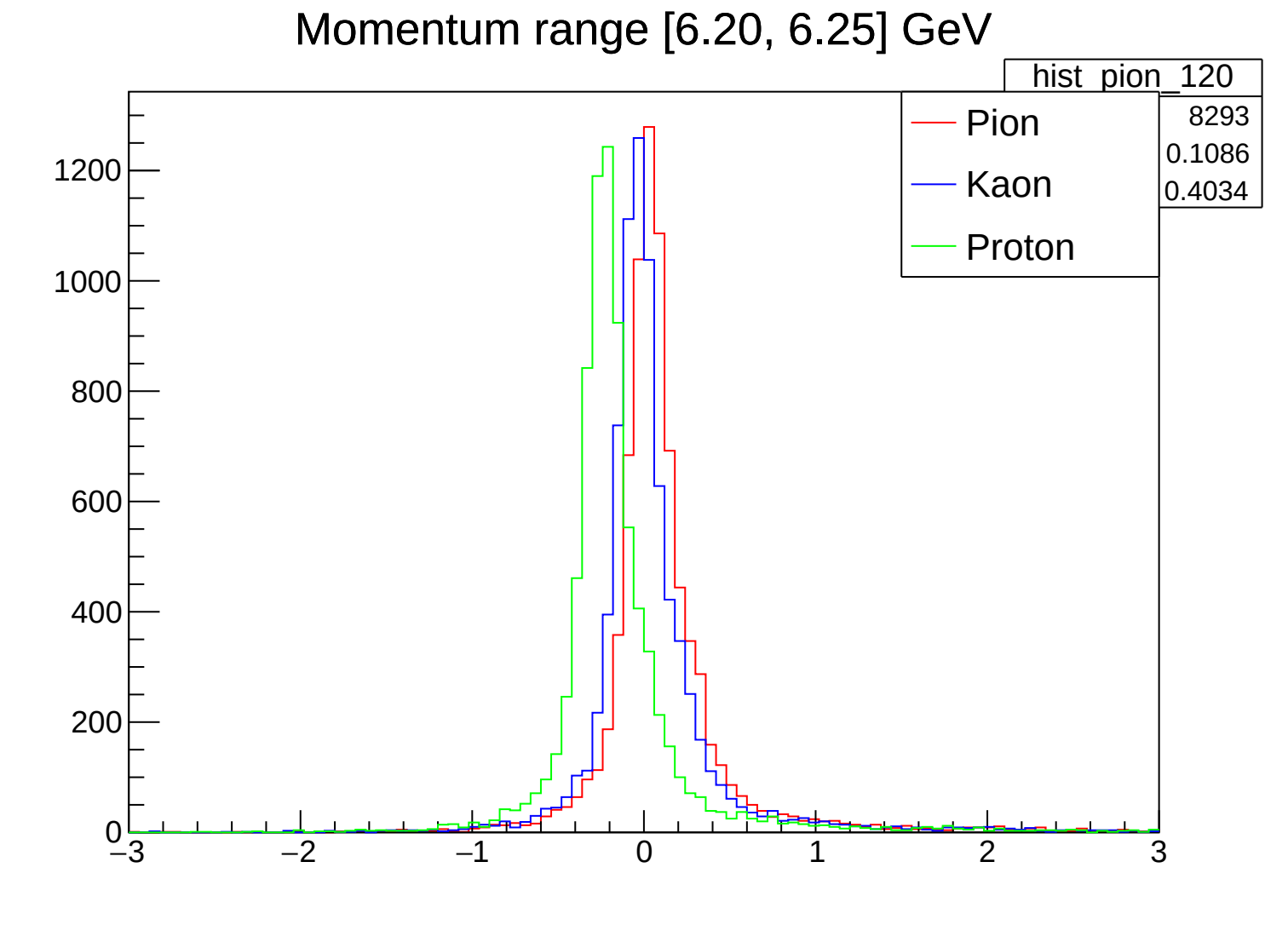
−3
−2
−1
0
1
2
3


Momentum range [6.20, 6.25] GeV
hist_pion_120
8293
0.1086
0.4034
Pion
Kaon
Proton
1200
1000
800
600
400
200
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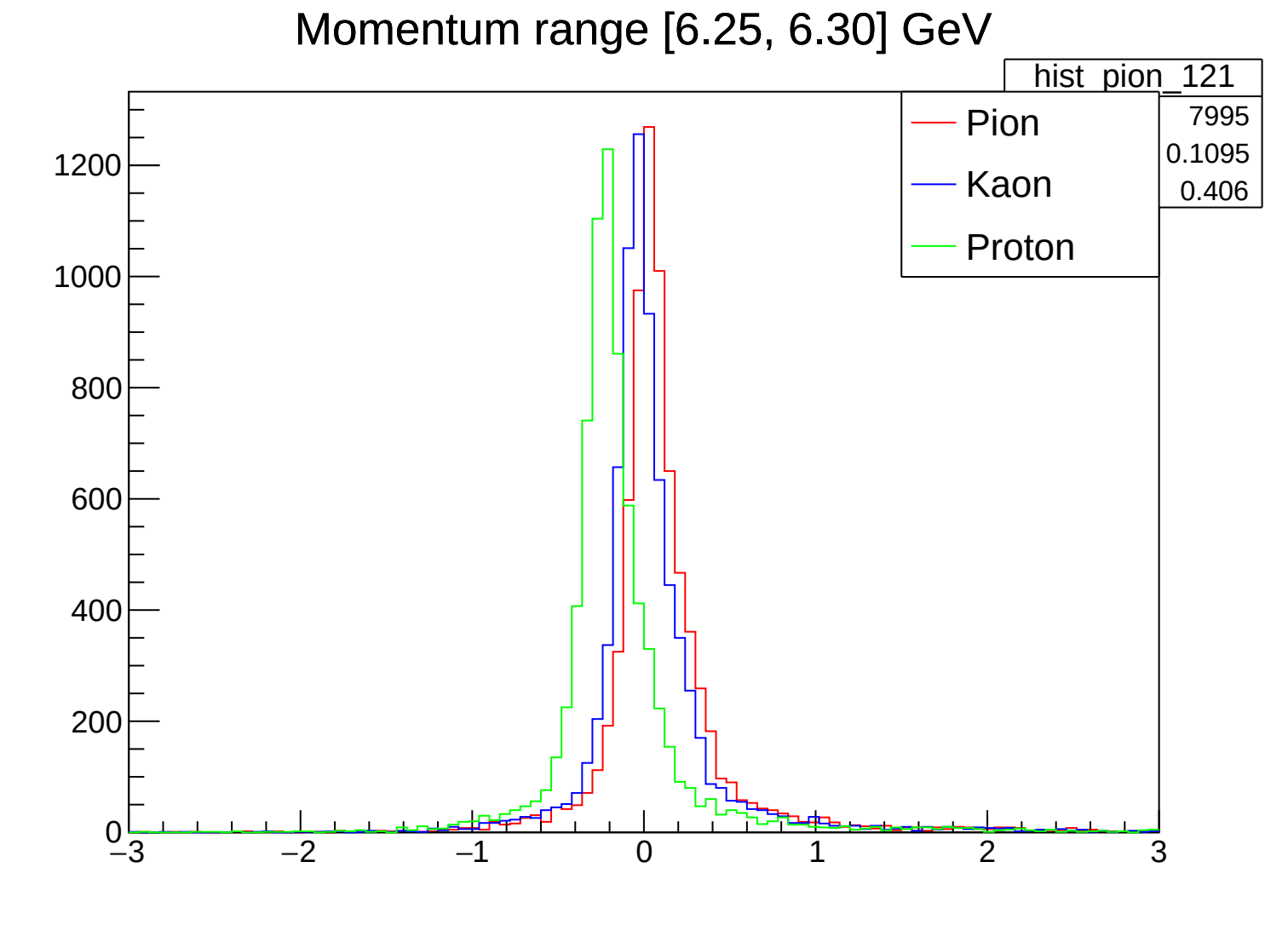
−3
−2
−1
0
1
2
3


Momentum range [6.25, 6.30] GeV
hist_pion_121
7995
0.1095
0.406
Pion
Kaon
Proton
1200
1000
800
600
400
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−3
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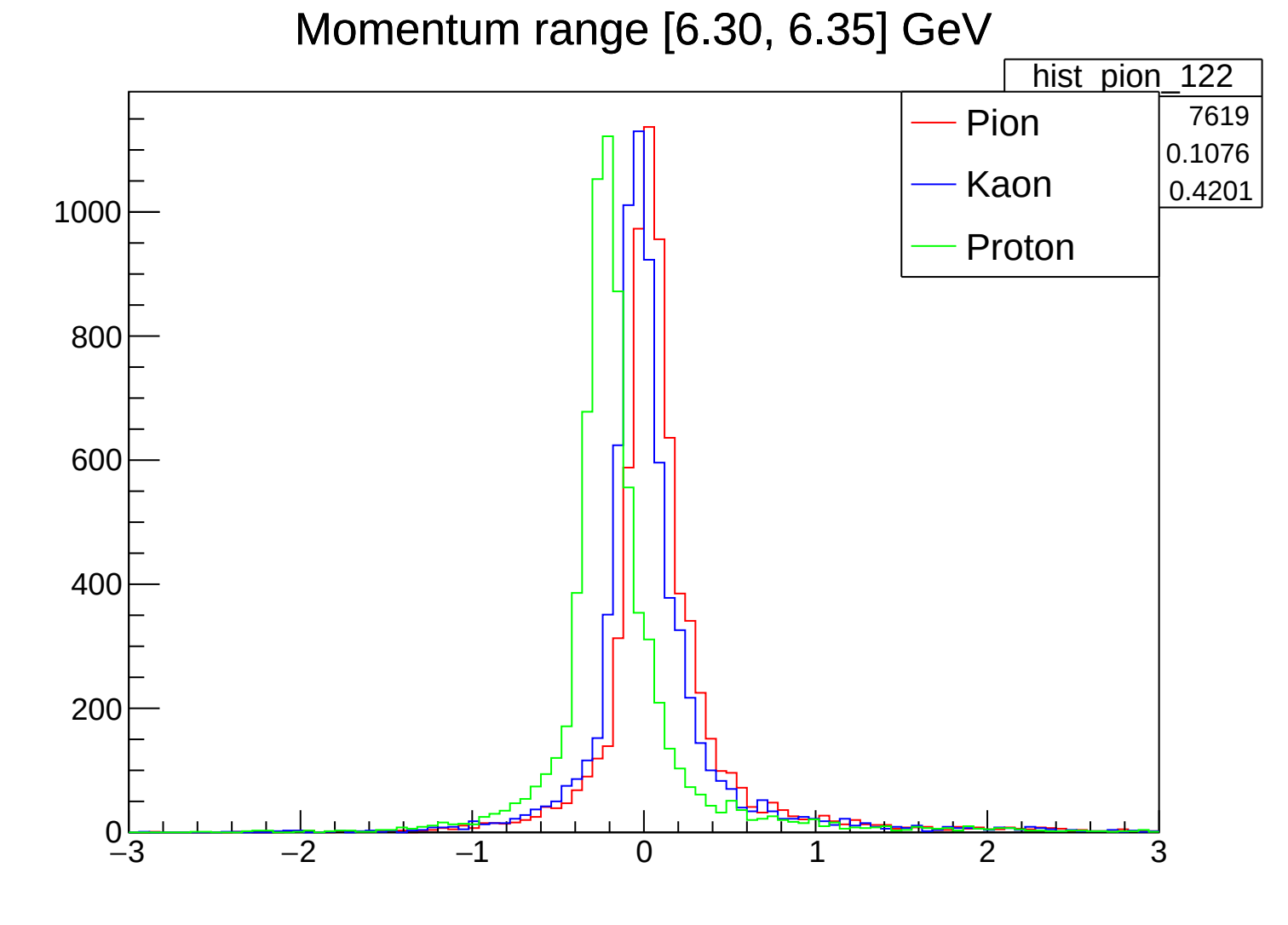
1
2
3


Momentum range [6.30, 6.35] GeV
hist_pion_122
7619
0.1076
0.4201
Pion
Kaon
Proton
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800
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2
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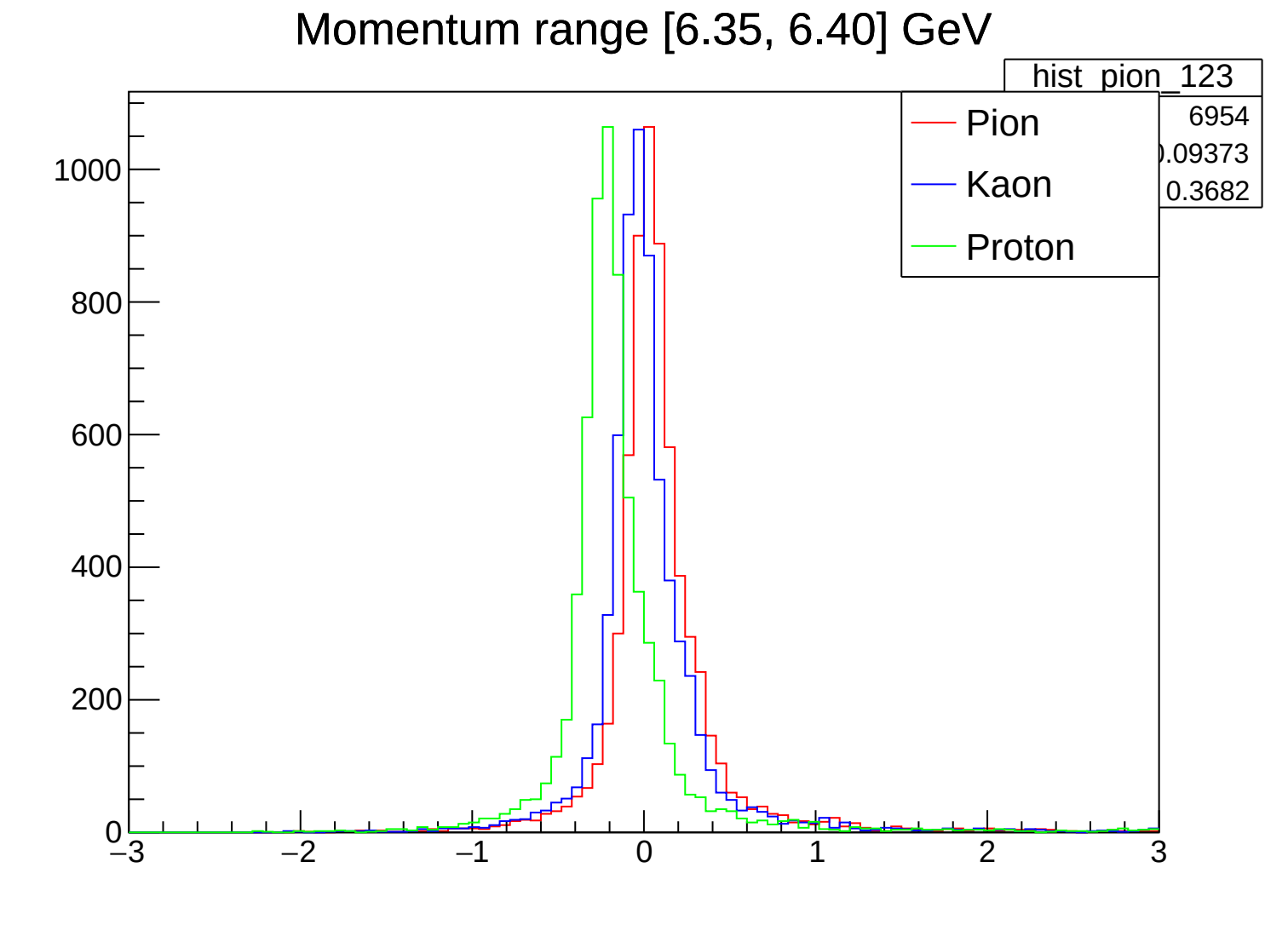
Momentum range [6.35, 6.40] GeV
hist_pion_123
6954
.09373
0.3682
Pion
Kaon
Proton
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2
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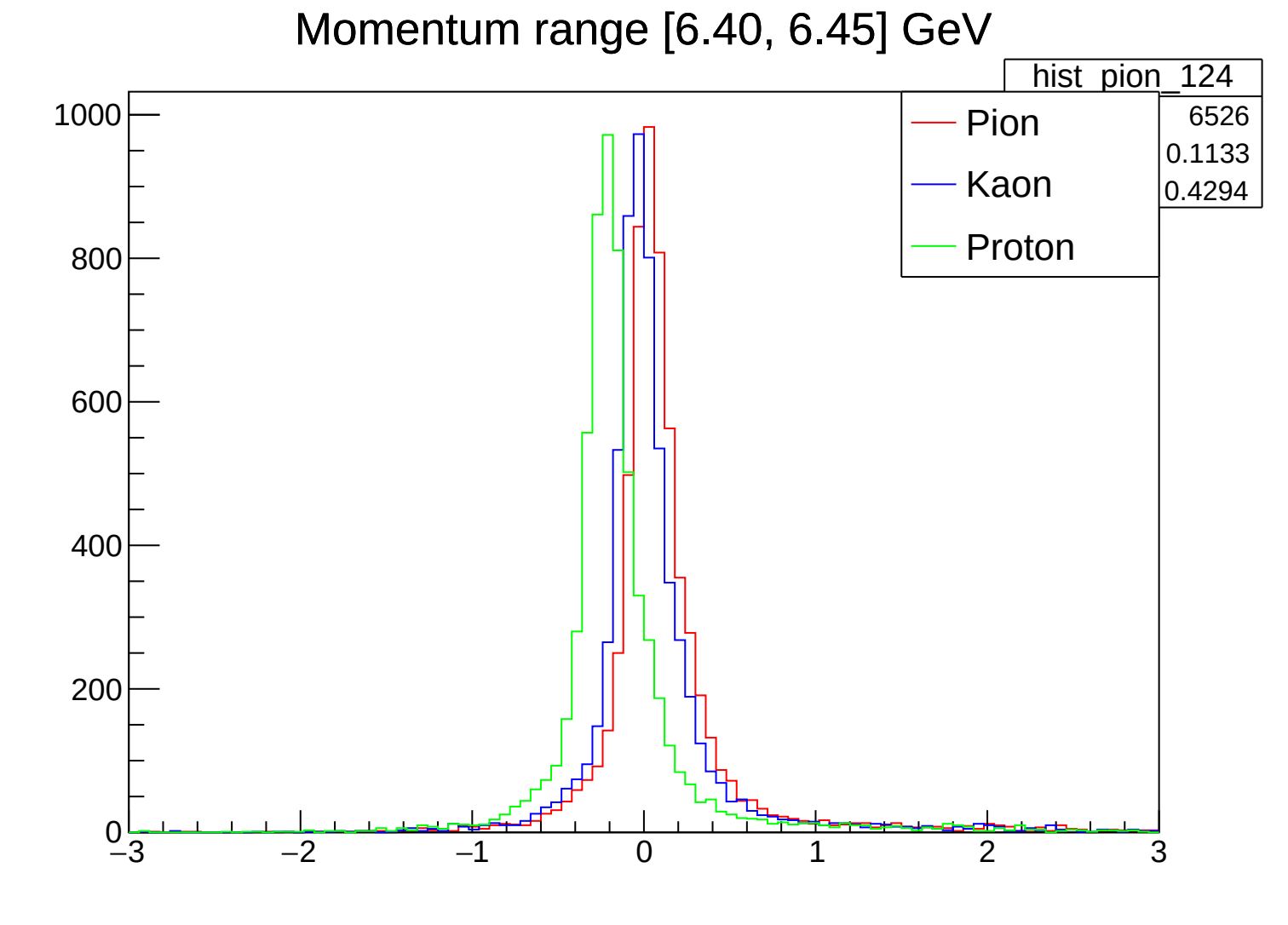
Momentum range [6.40, 6.45] GeV
hist_pion_124
6526
0.1133
0.4294
Pion
Kaon
Proton
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2
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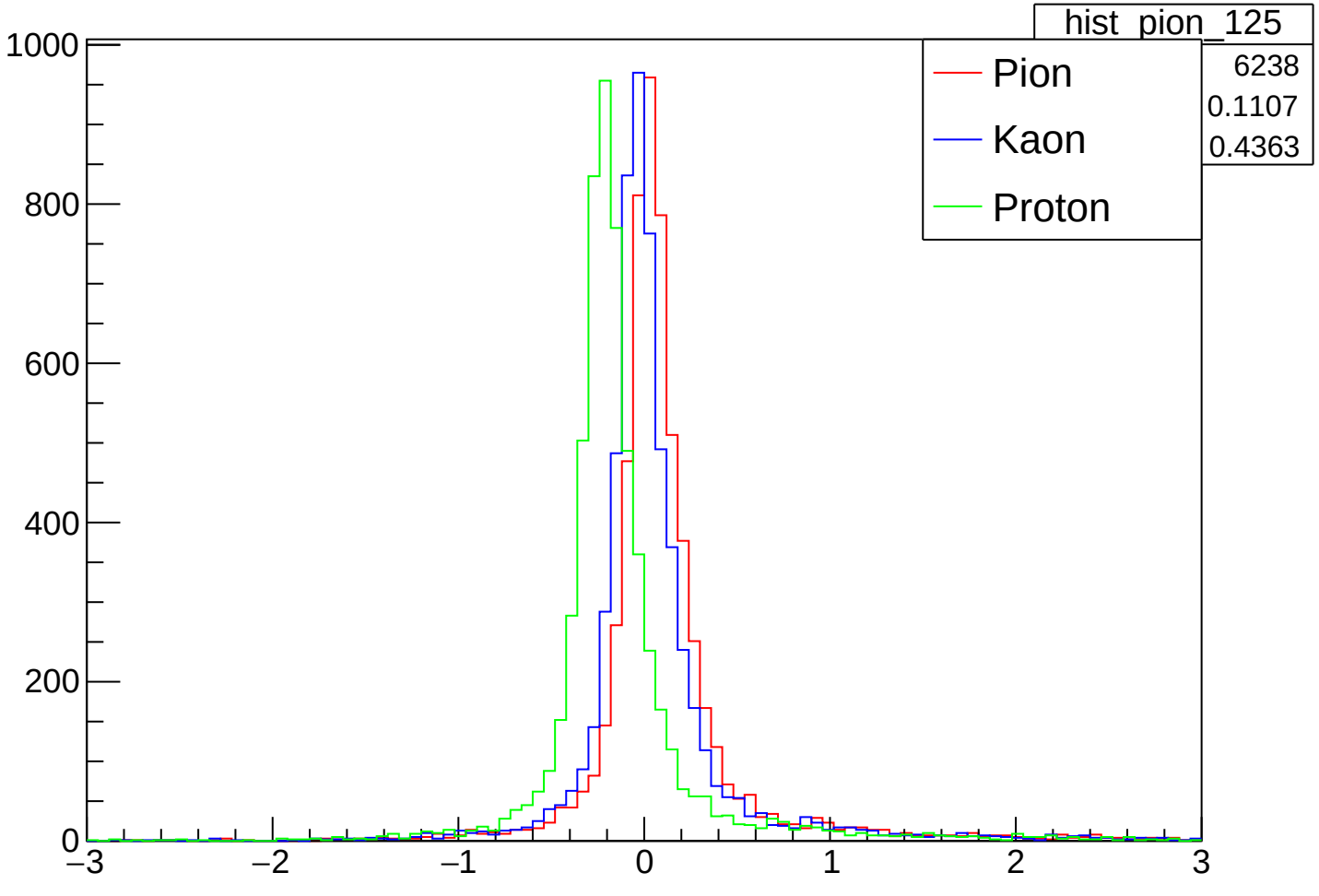
Momentum range [6.45, 6.50] GeV
hist_pion_125
6238
0.1107
0.4363
Pion
Kaon
Proton
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2
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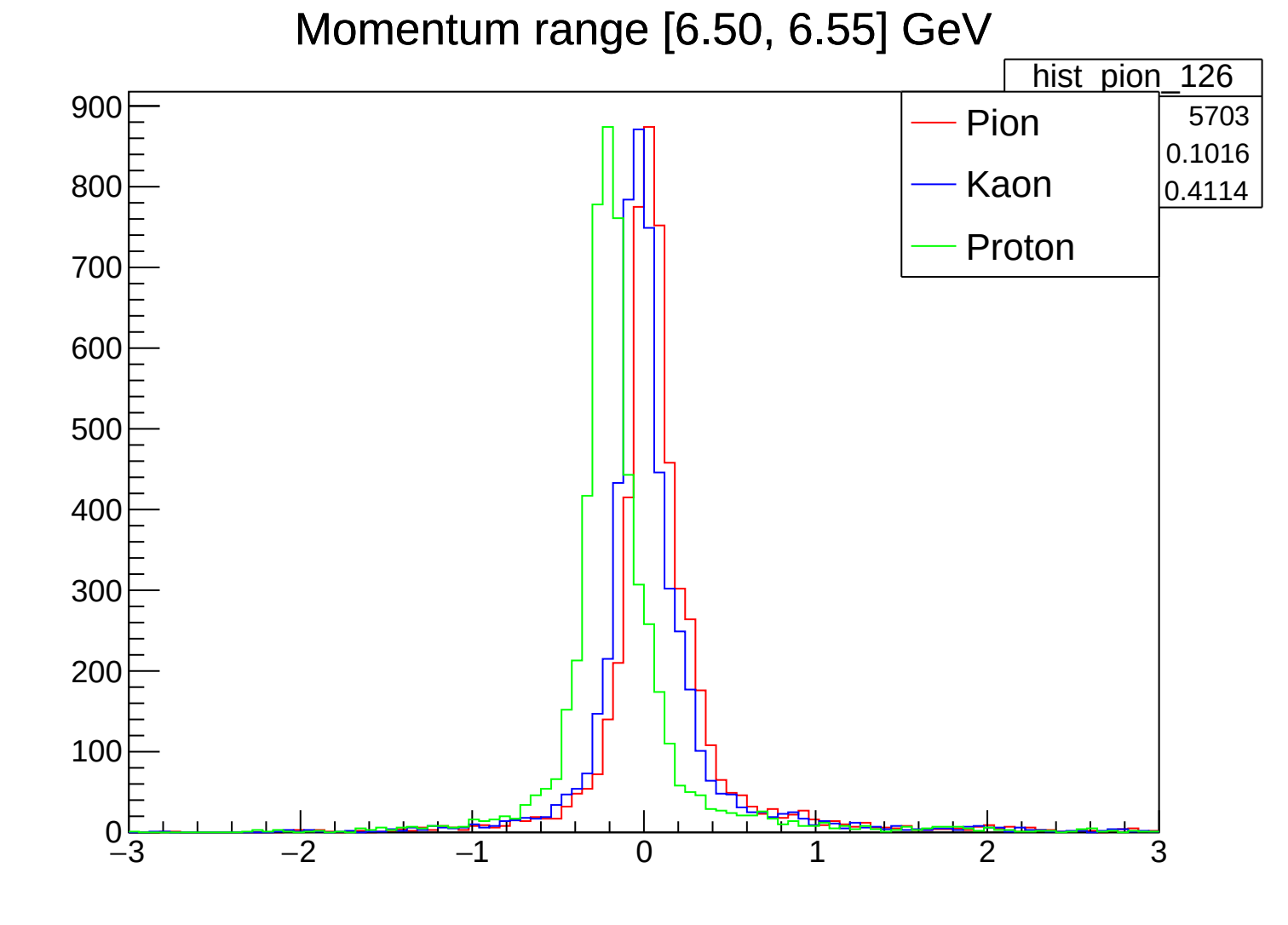
Momentum range [6.50, 6.55] GeV
hist_pion_126
5703
0.1016
0.4114
Pion
Kaon
Proton
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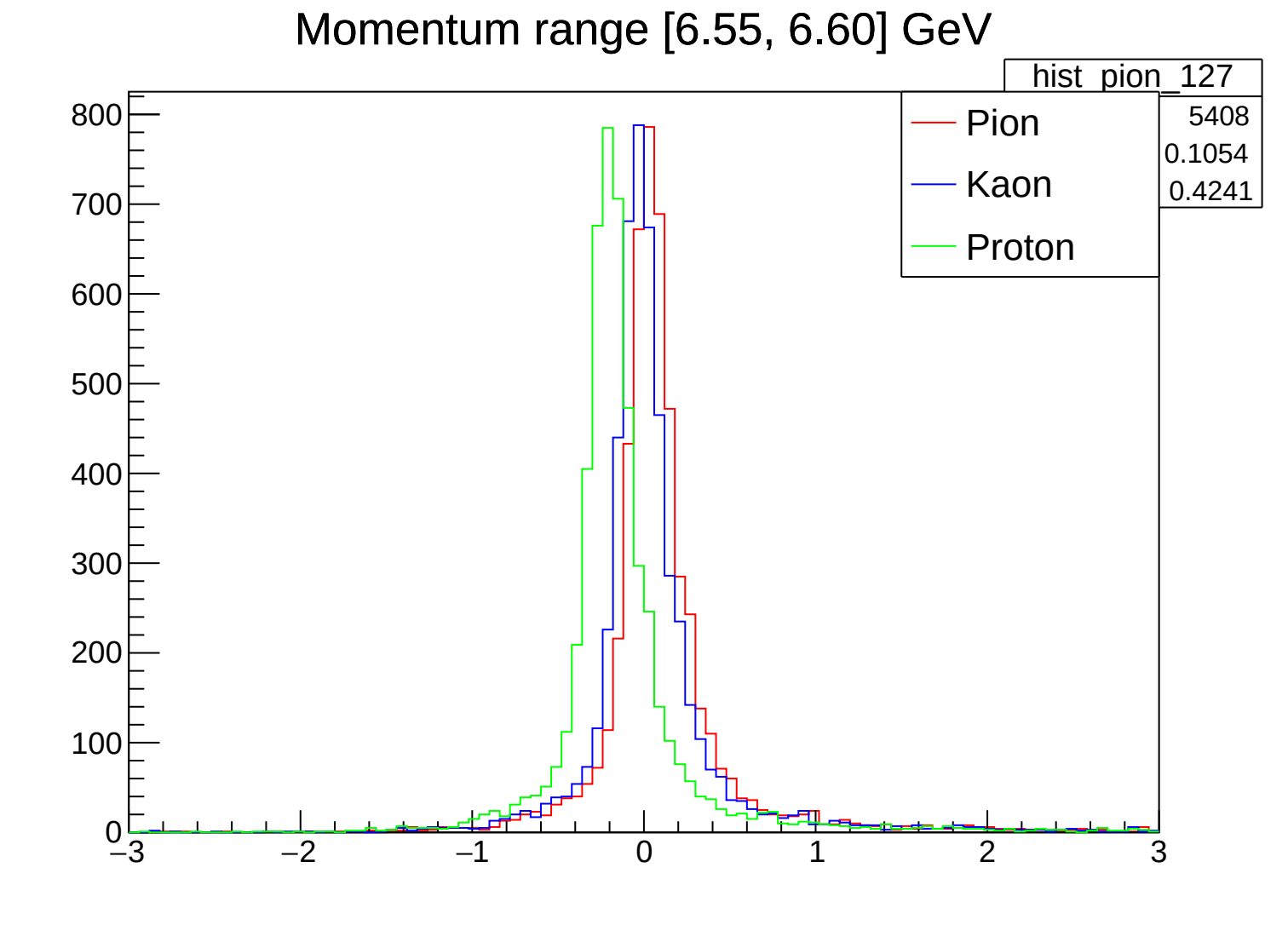
Momentum range [6.55, 6.60] GeV
hist_pion_127
5408
0.1054
0.4241
Pion
Kaon
Proton
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700
600
500
400
300
200
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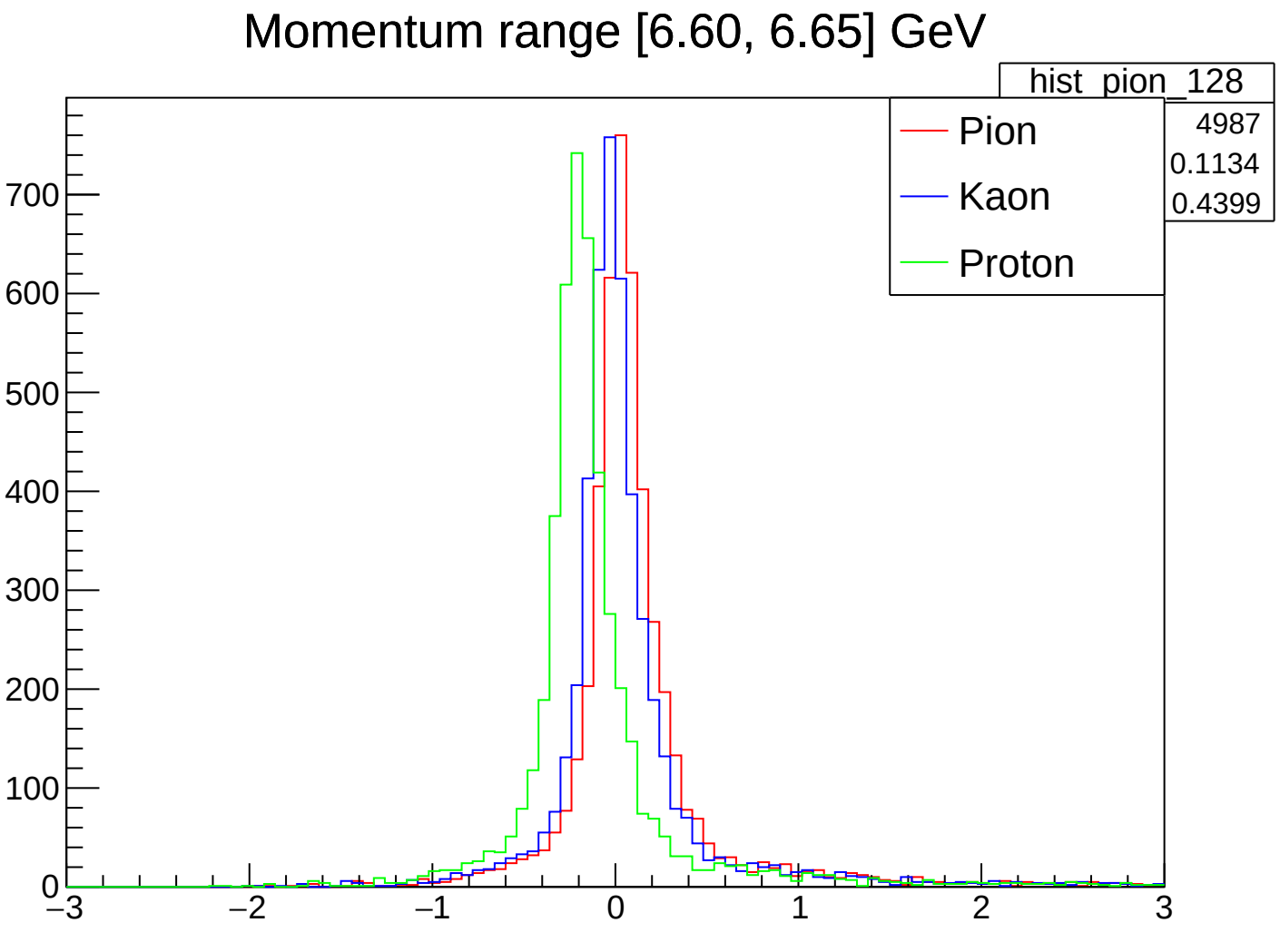
Momentum range [6.60, 6.65] GeV
hist_pion_128
4987
0.1134
0.4399
Pion
Kaon
Proton
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600
500
400
300
200
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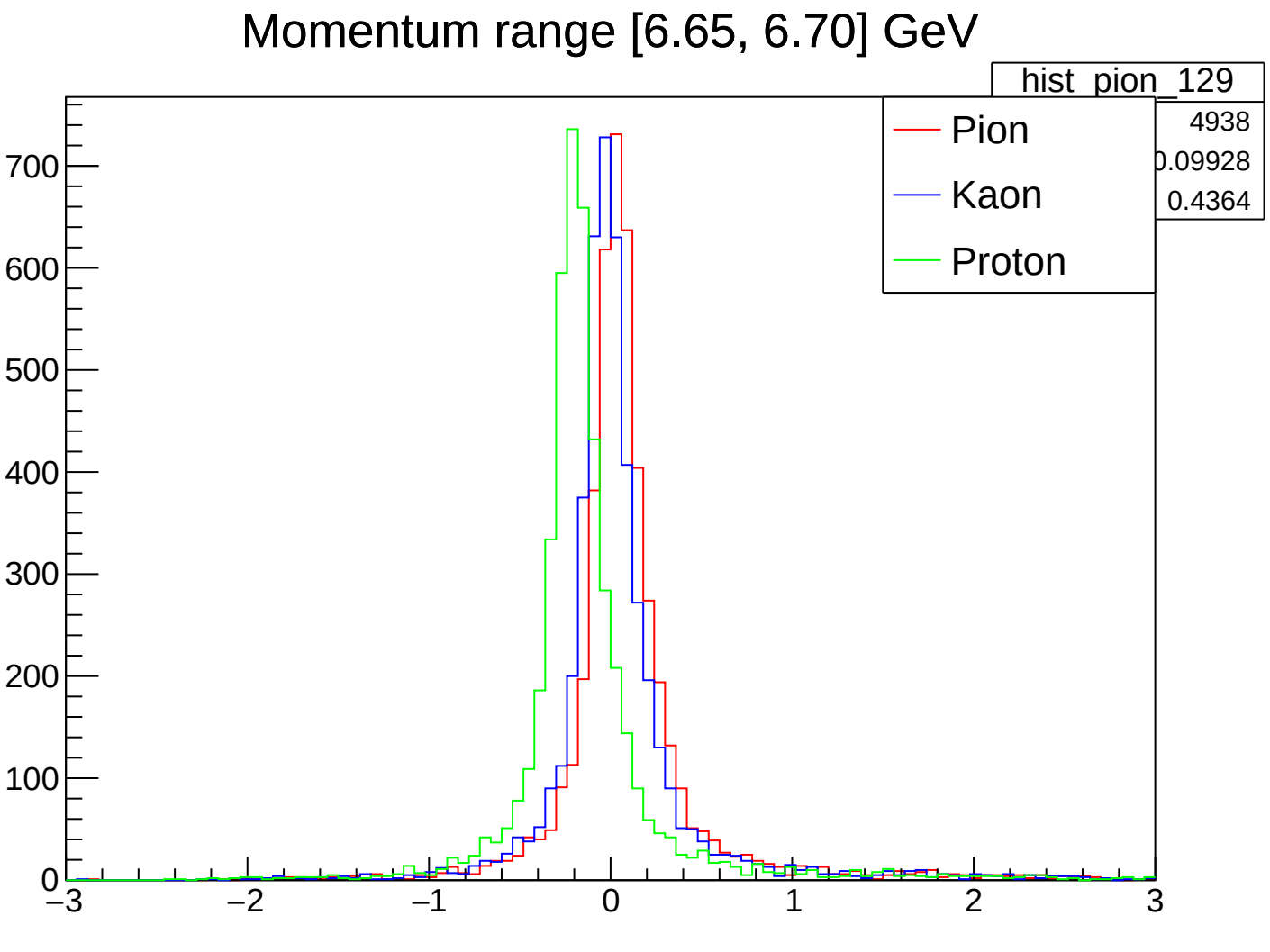
Momentum range [6.65, 6.70] GeV
hist_pion_129
4938
0.09928
0.4364
Pion
Kaon
Proton
700
600
500
400
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200
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−3
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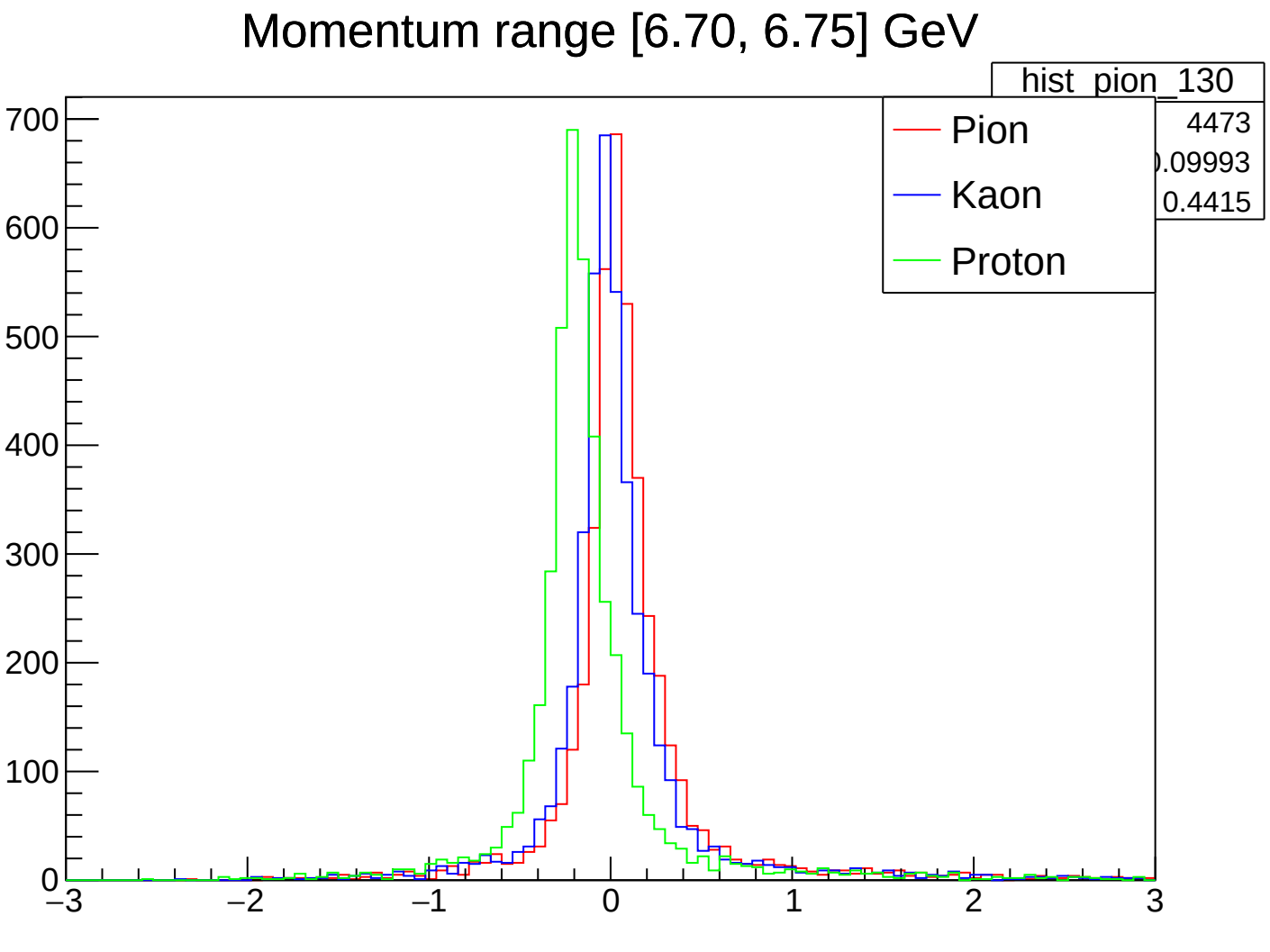
2
3


Momentum range [6.70, 6.75] GeV
hist_pion_130
4473
.09993
0.4415
Pion
Kaon
Proton
700
600
500
400
300
200
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−3
−2
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1
2
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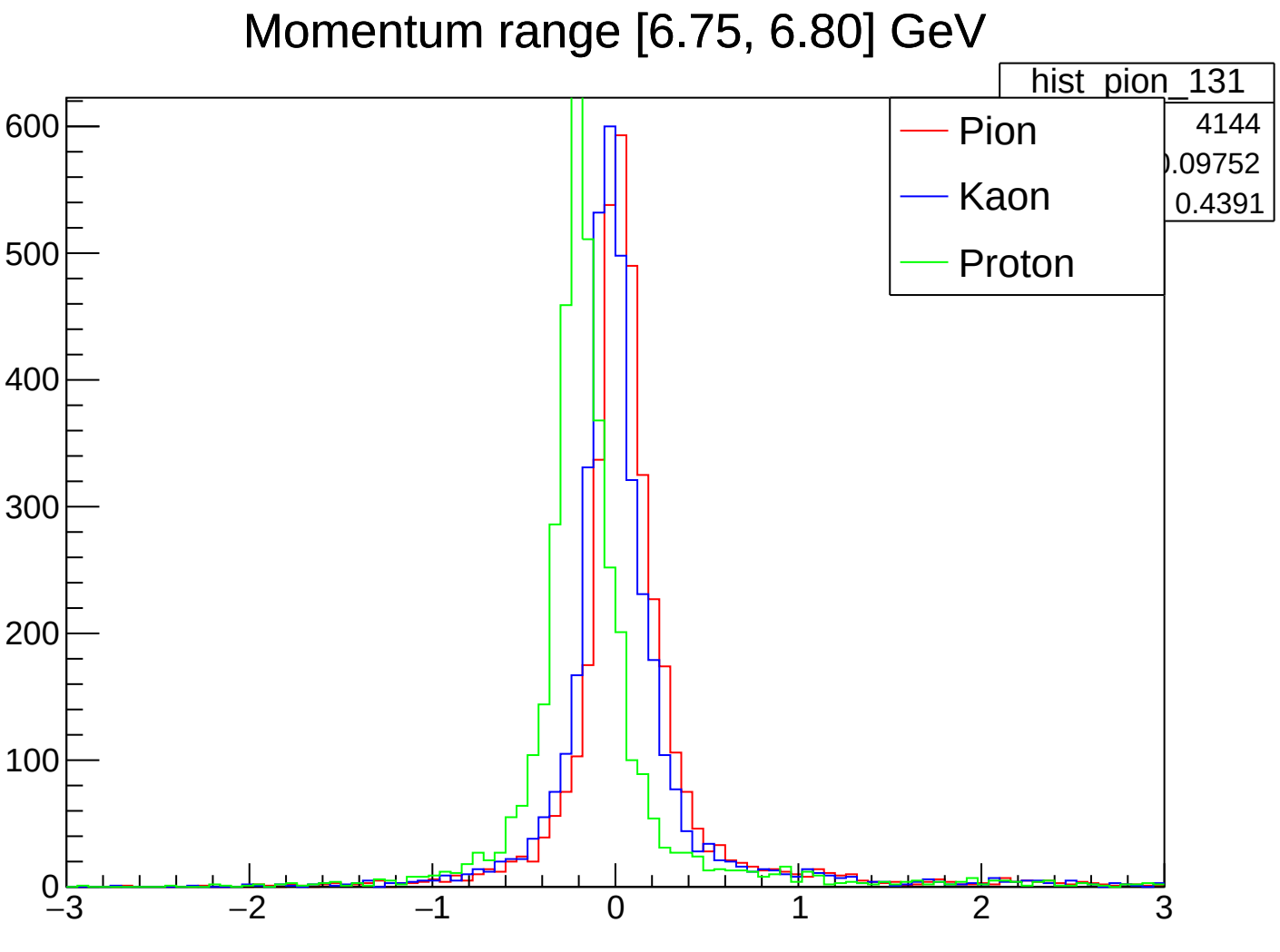
Momentum range [6.75, 6.80] GeV
hist_pion_131
4144
.09752
0.4391
Pion
Kaon
Proton
600
500
400
300
200
100
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−3
−2
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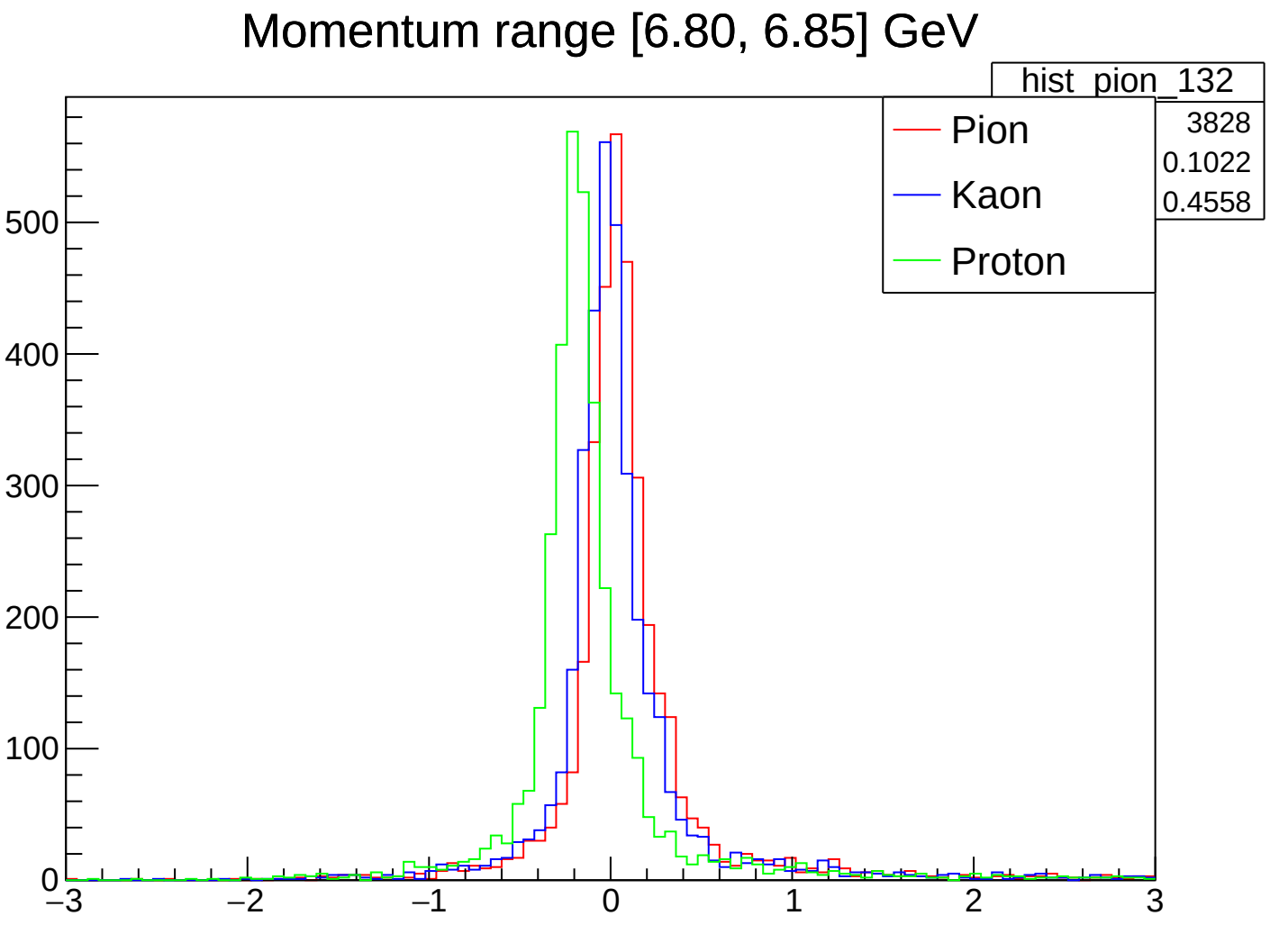
2
3


Momentum range [6.80, 6.85] GeV
hist_pion_132
3828
0.1022
0.4558
Pion
Kaon
Proton
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400
300
200
100
0
−3
−2
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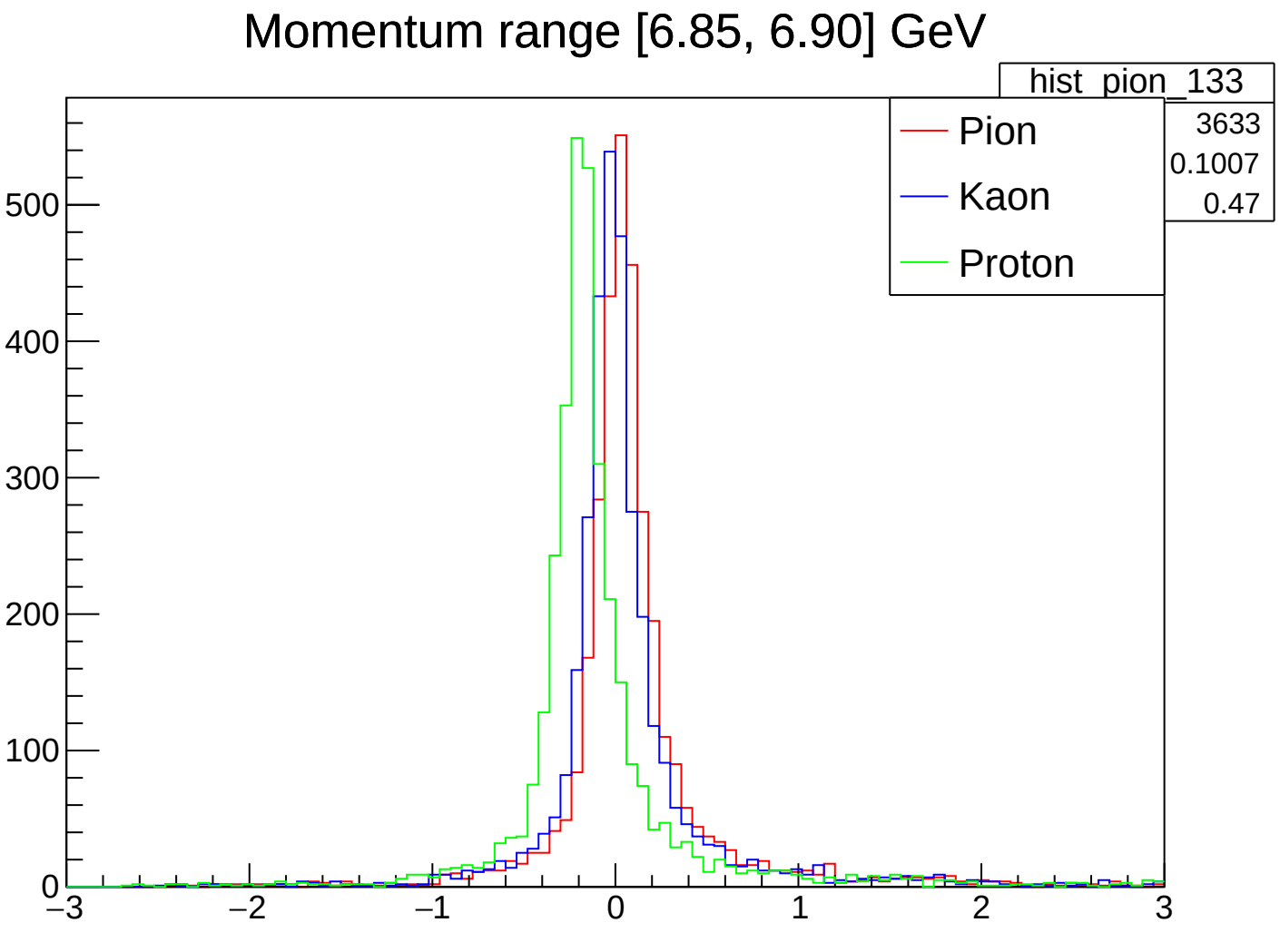
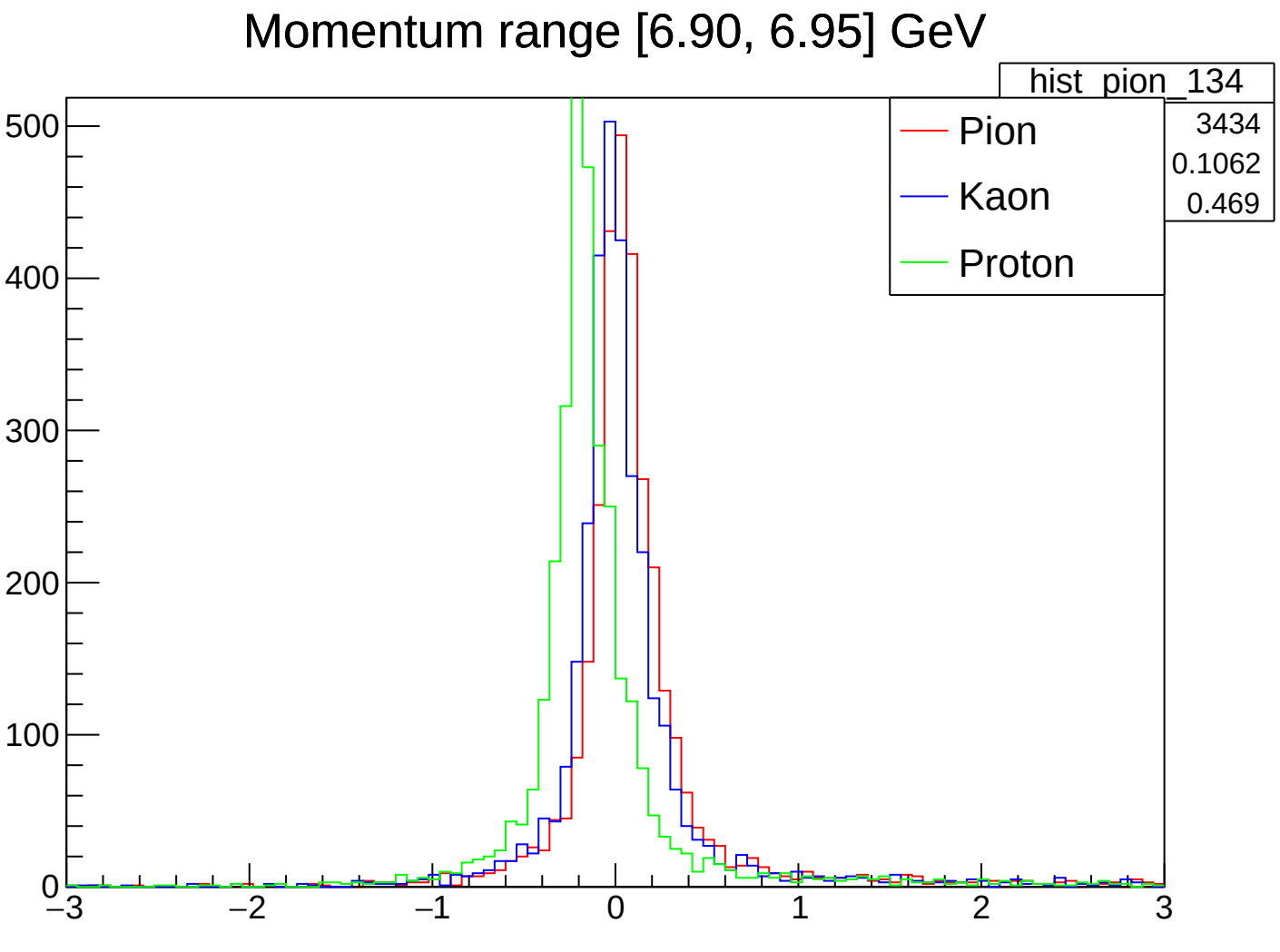
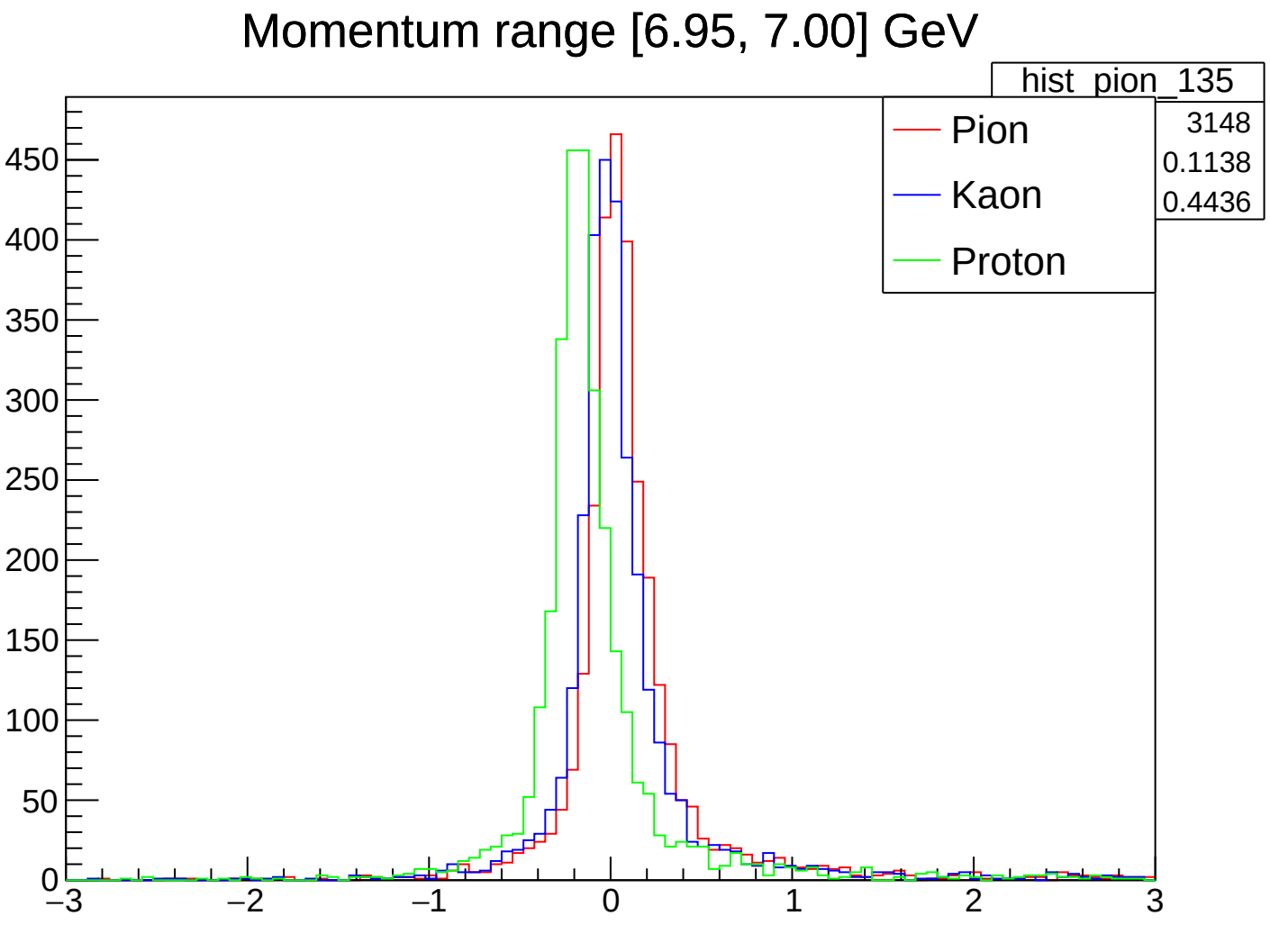
1
2
3


Momentum range [6.85, 6.90] GeV
hist_pion_133
3633
0.1007
0.47
Pion
Kaon
Proton
500
400
300
200
100
0
−3
−2
−1
0
1
2
3


Momentum range [6.90, 6.95] GeV
hist_pion_134
3434
0.1062
0.469
Pion
Kaon
Proton
500
400
300
200
100
0
−3
−2
−1
0
1
2
3


Momentum range [6.95, 7.00] GeV
hist_pion_135
3148
0.1138
0.4436
Pion
Kaon
Proton
450
400
350
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3