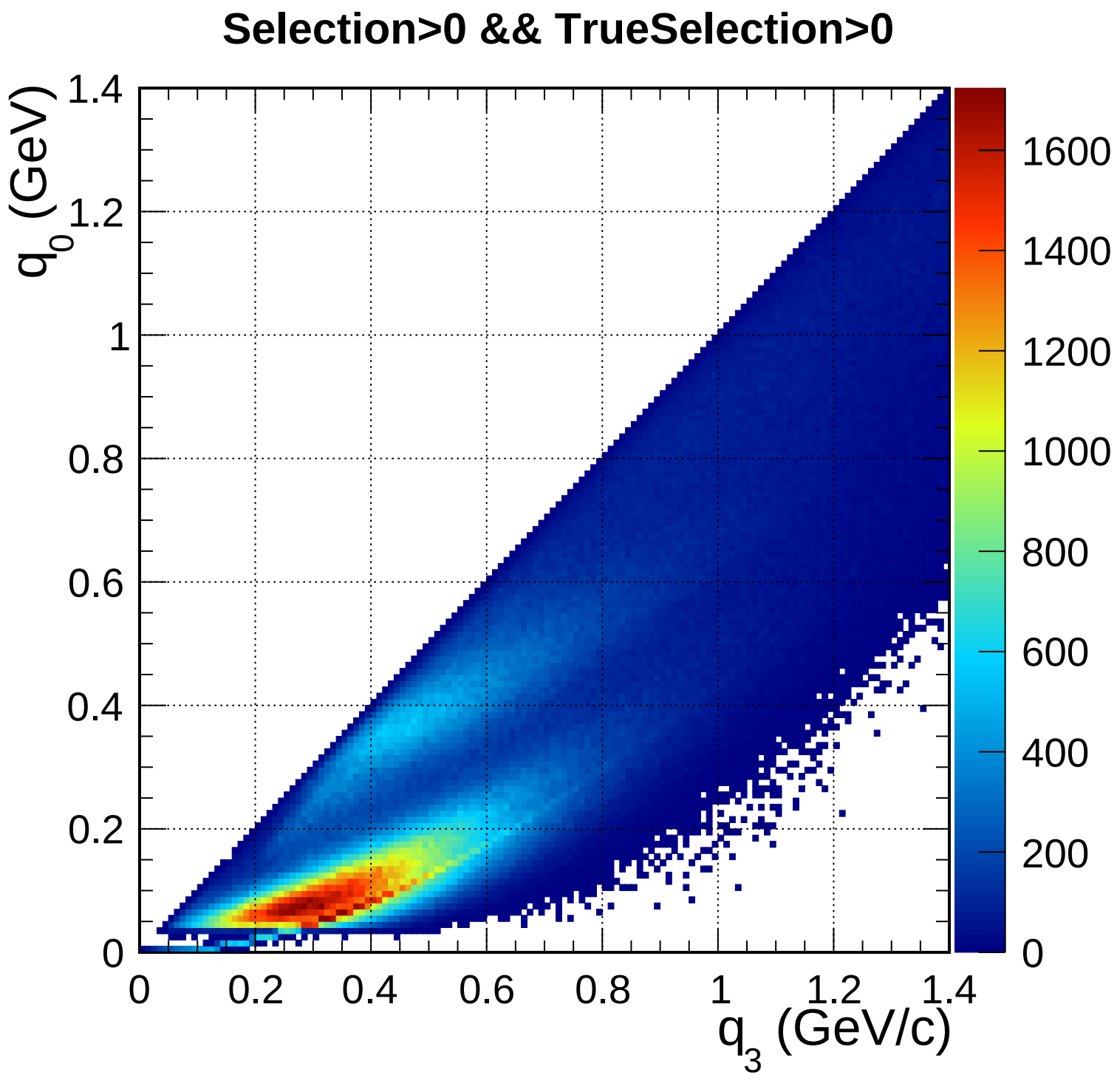
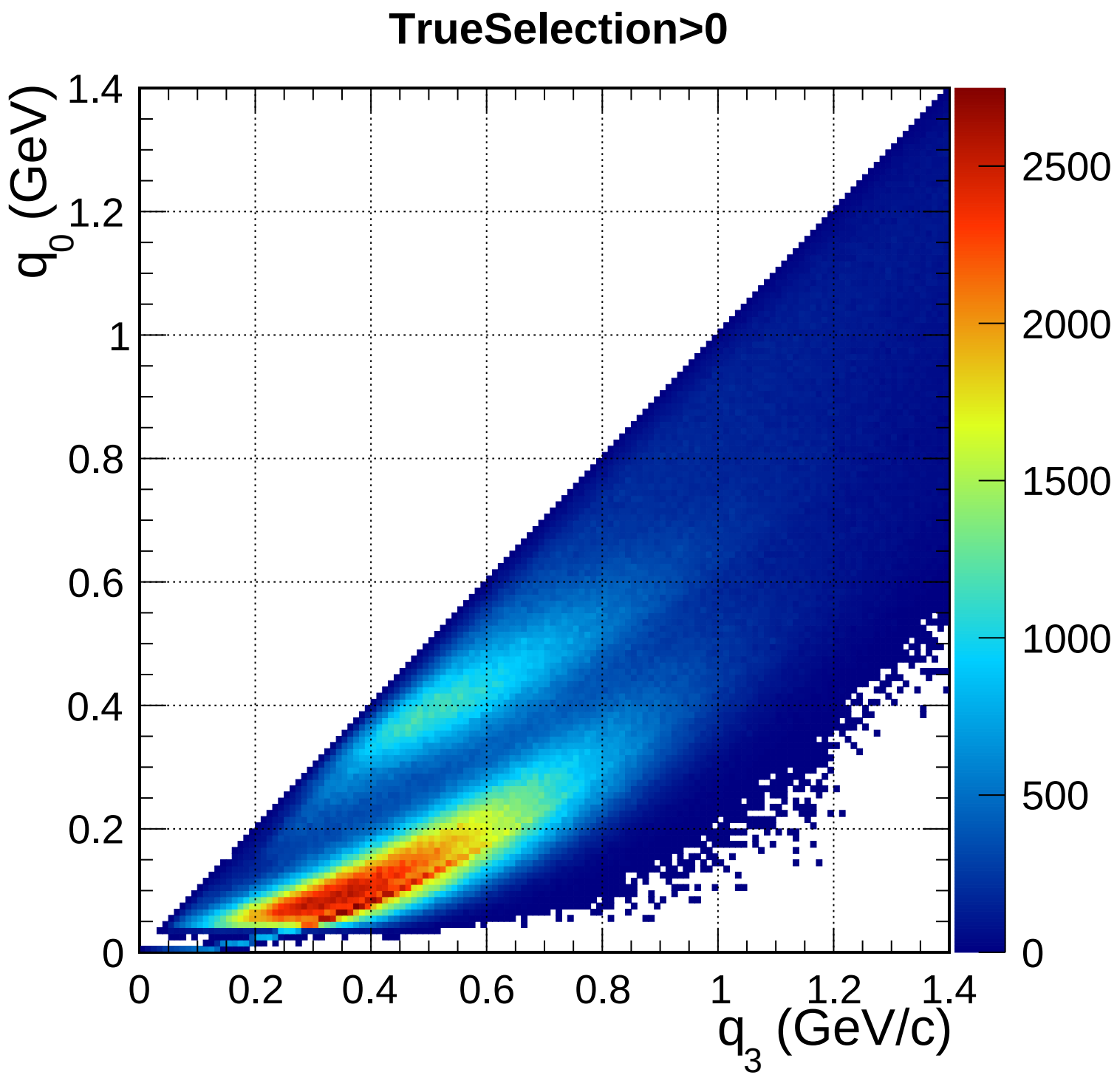
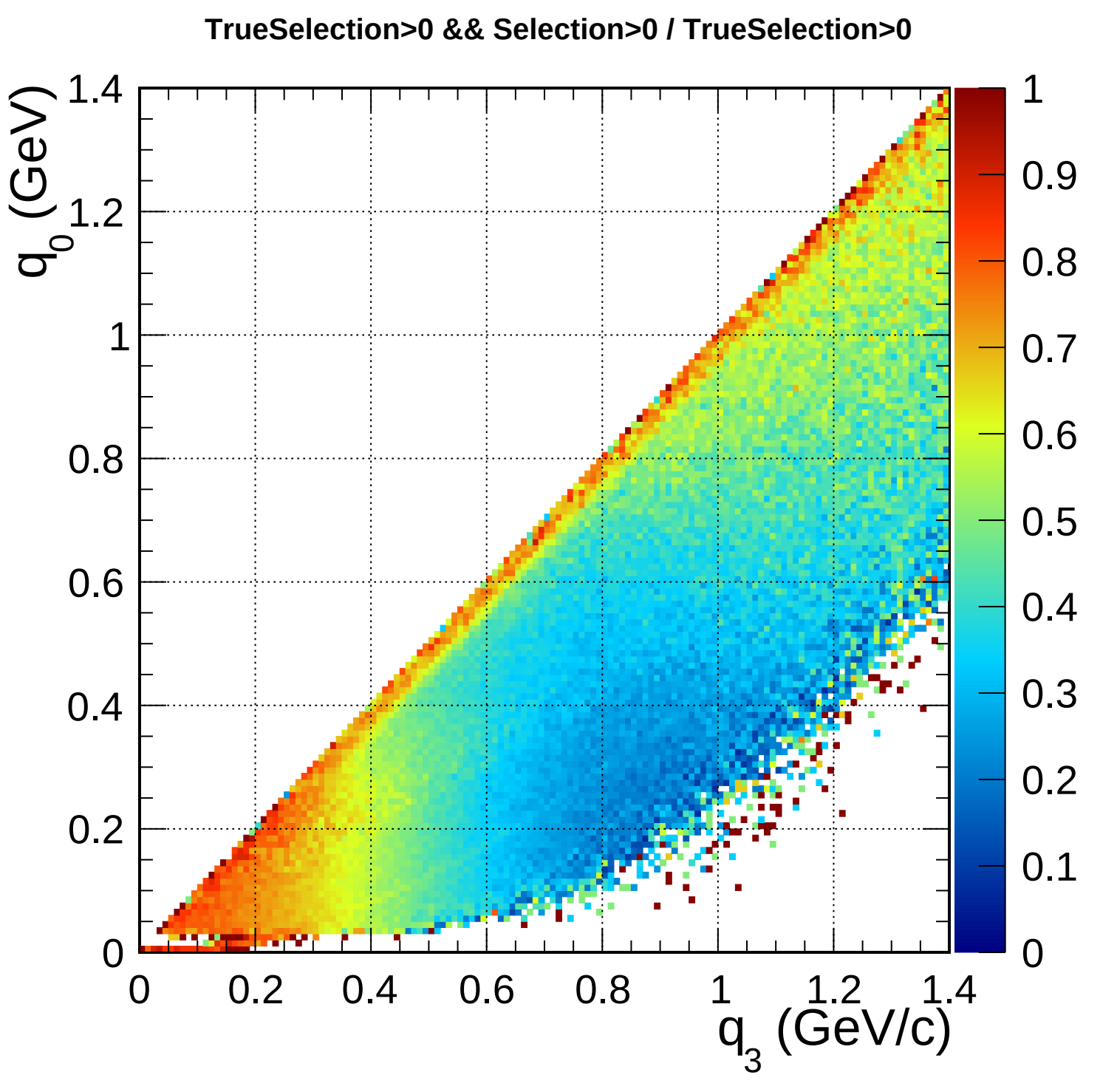
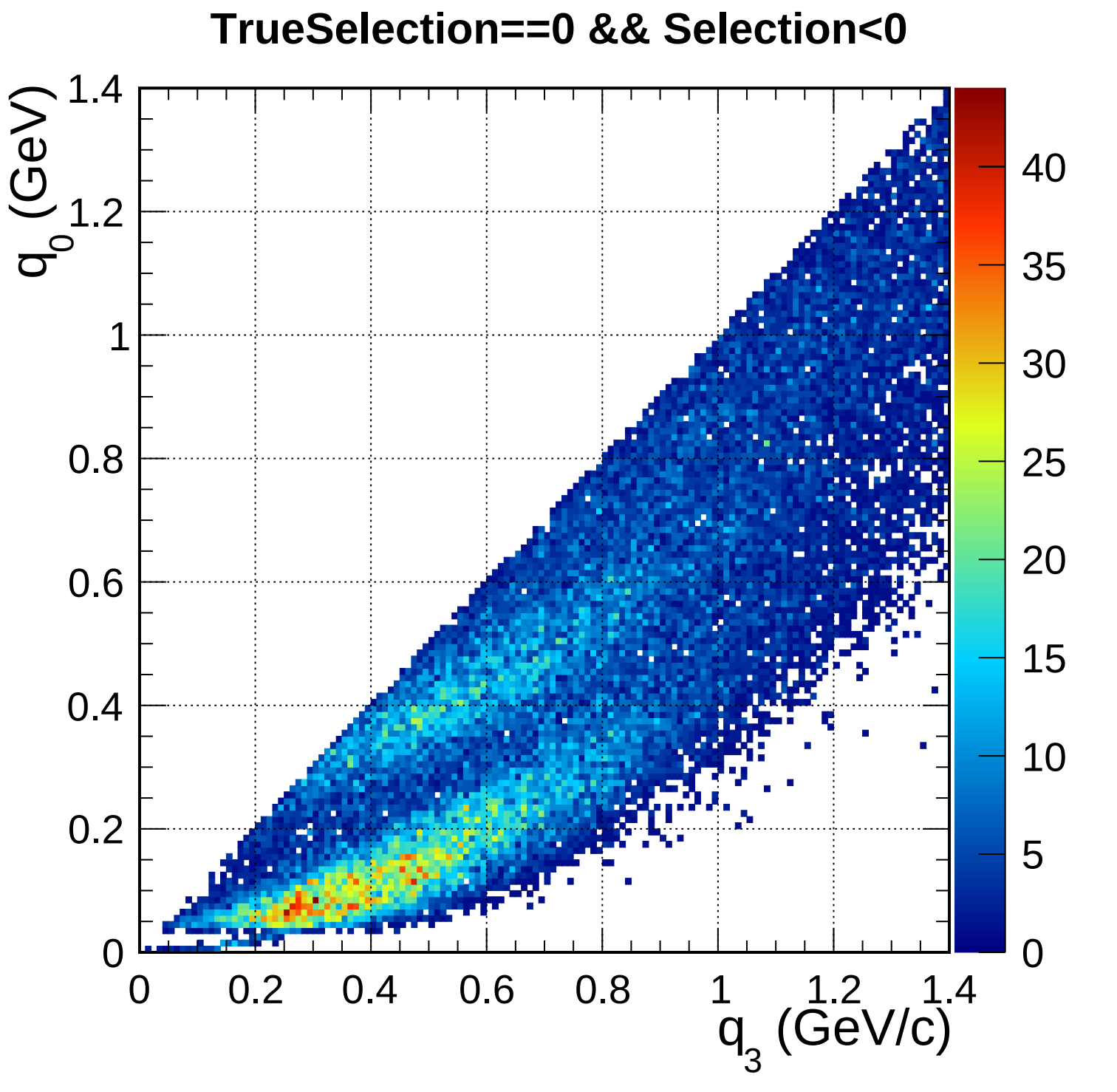
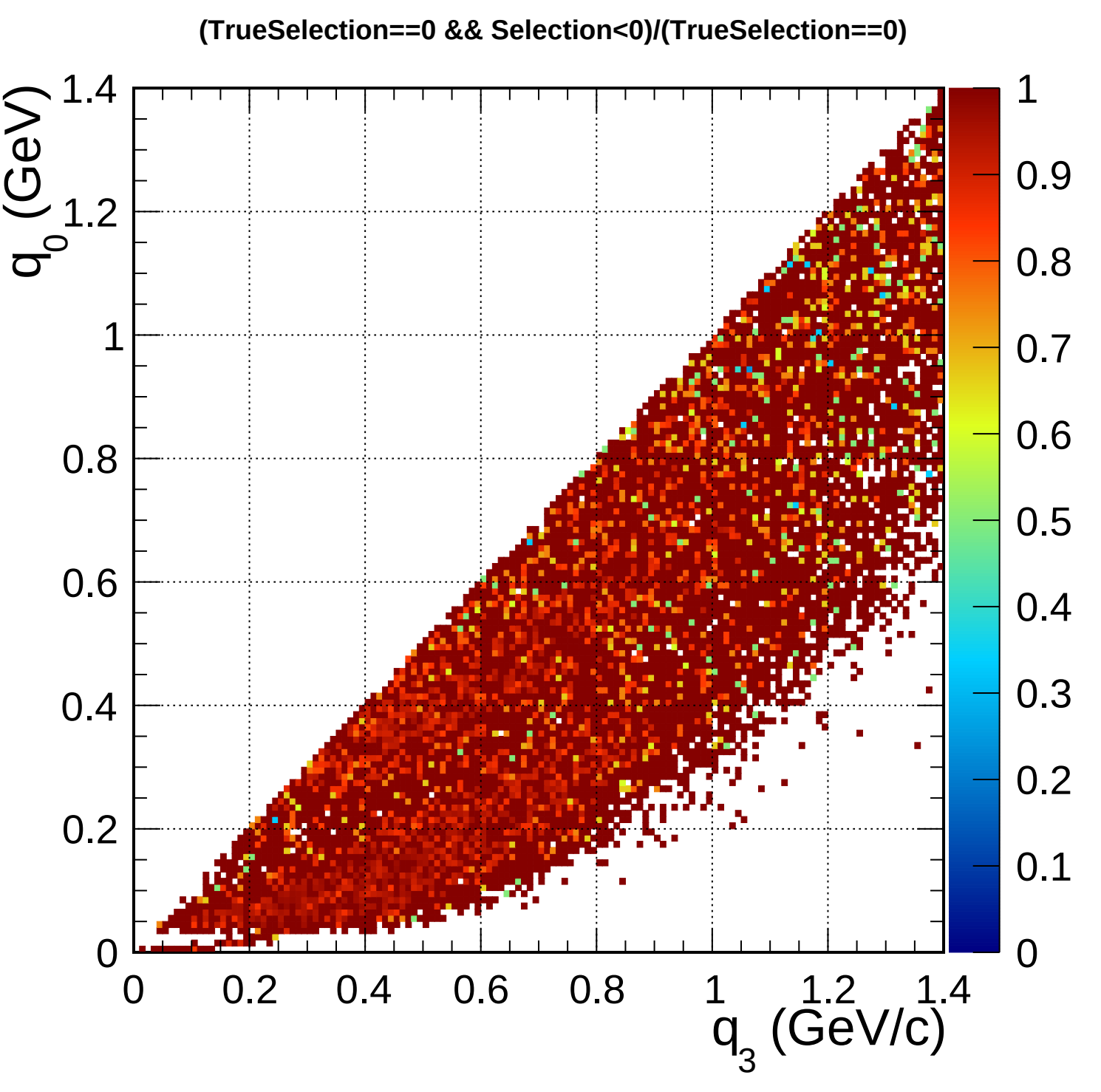
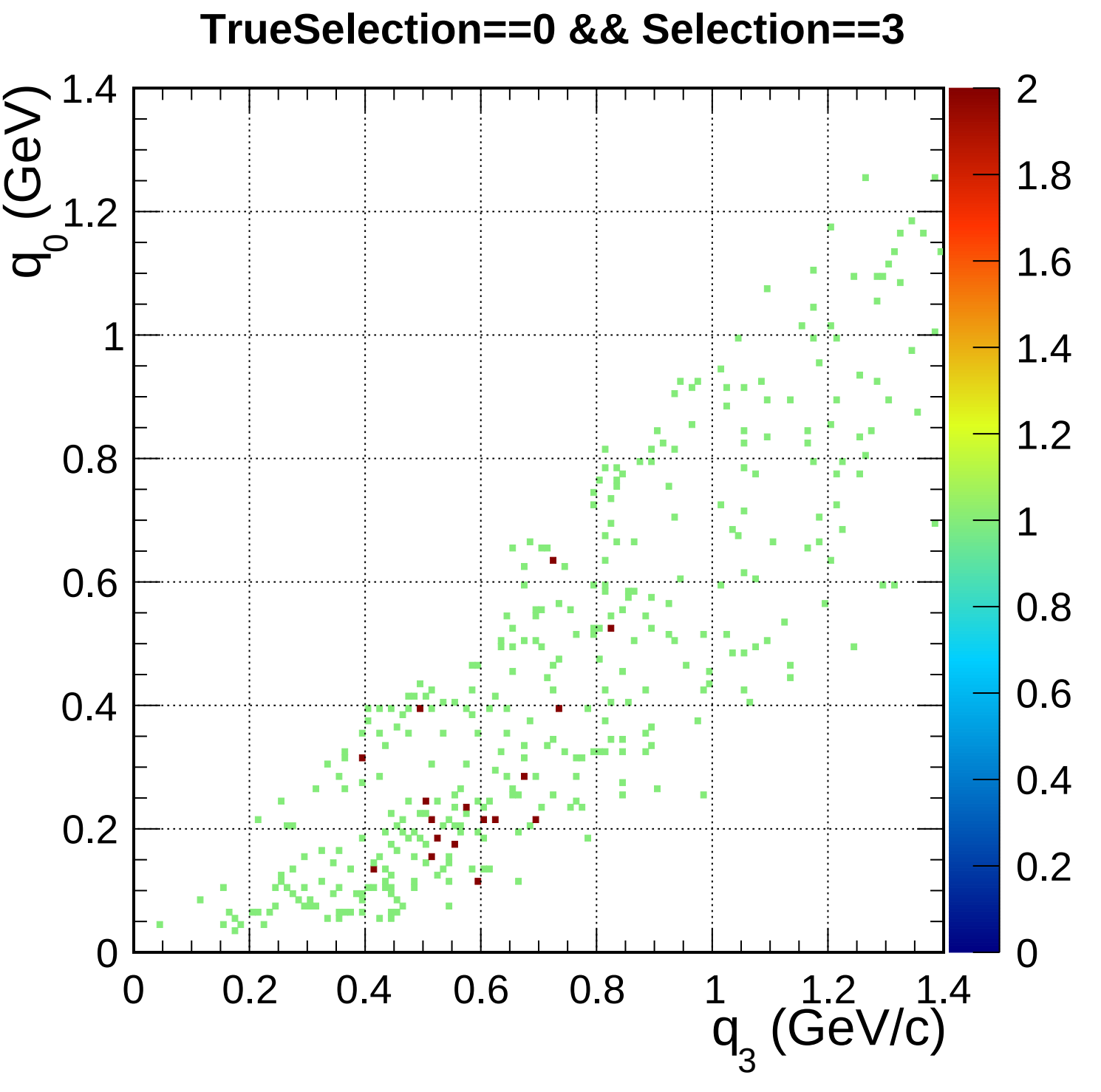

Selection>0 && TrueSelection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
200
400
600
800
1000
1200
1400
1600

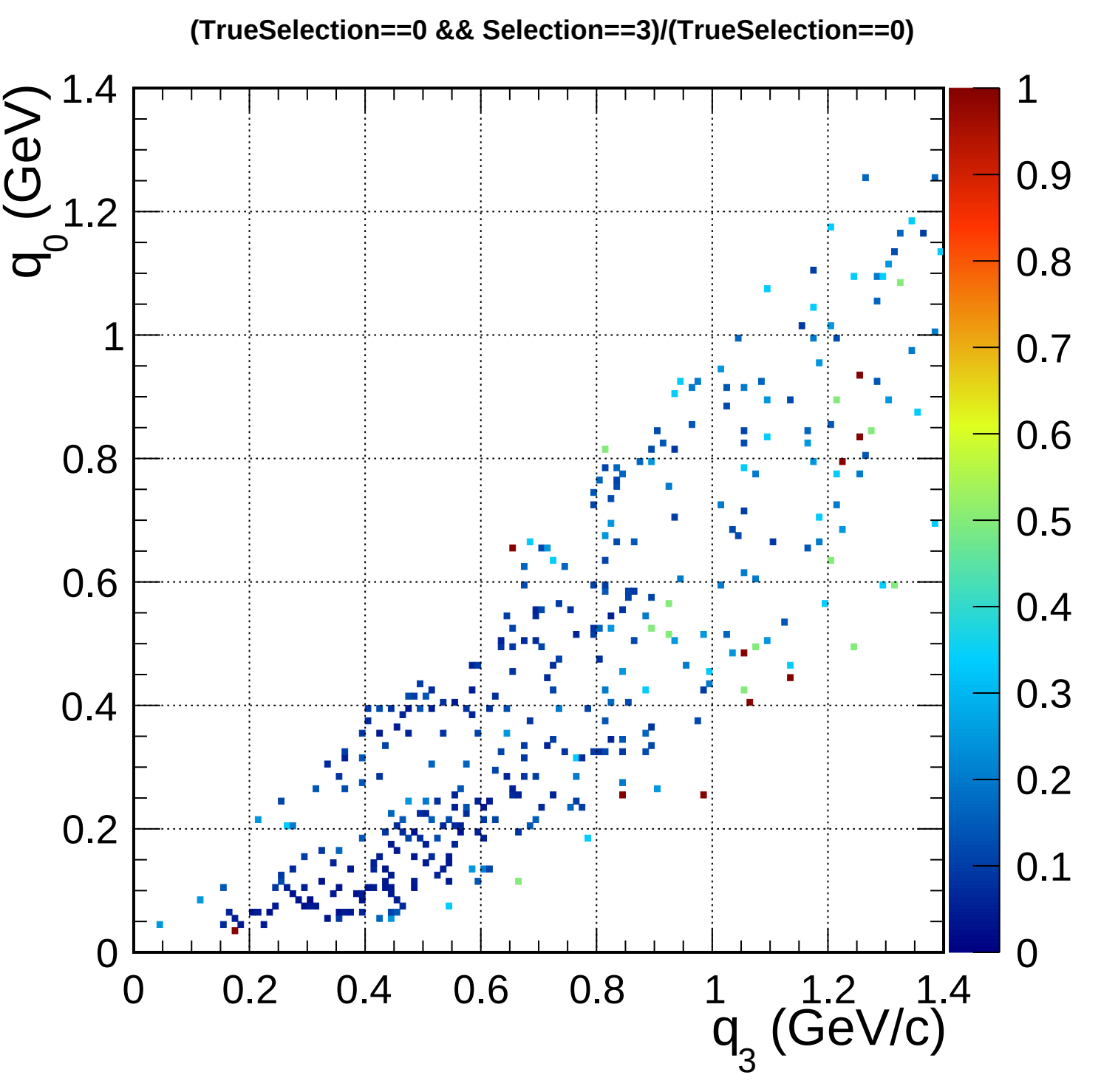

TrueSelection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
500
1000
1500
2000
2500

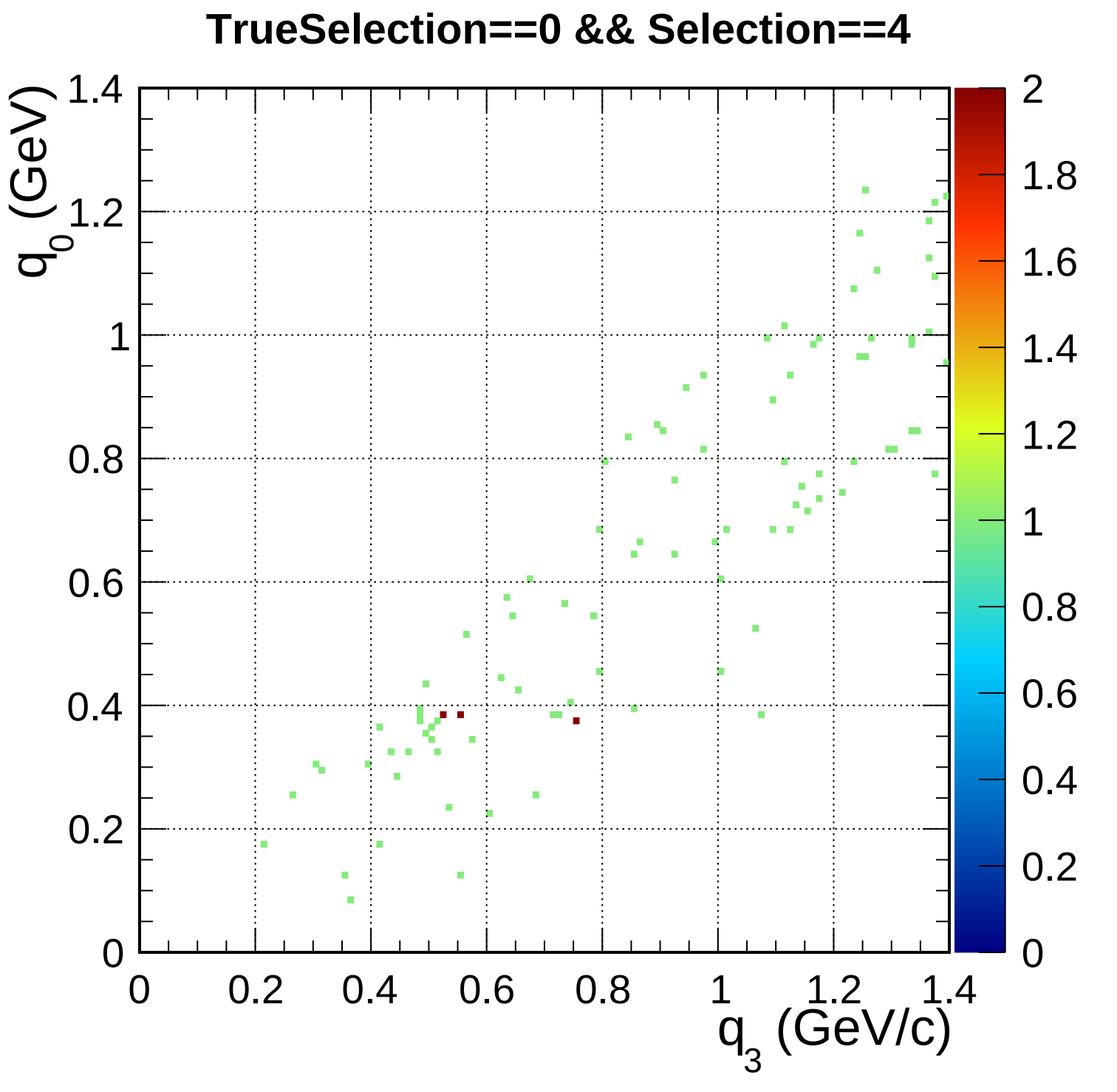

TrueSelection>0 && Selection>0 / TrueSelection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

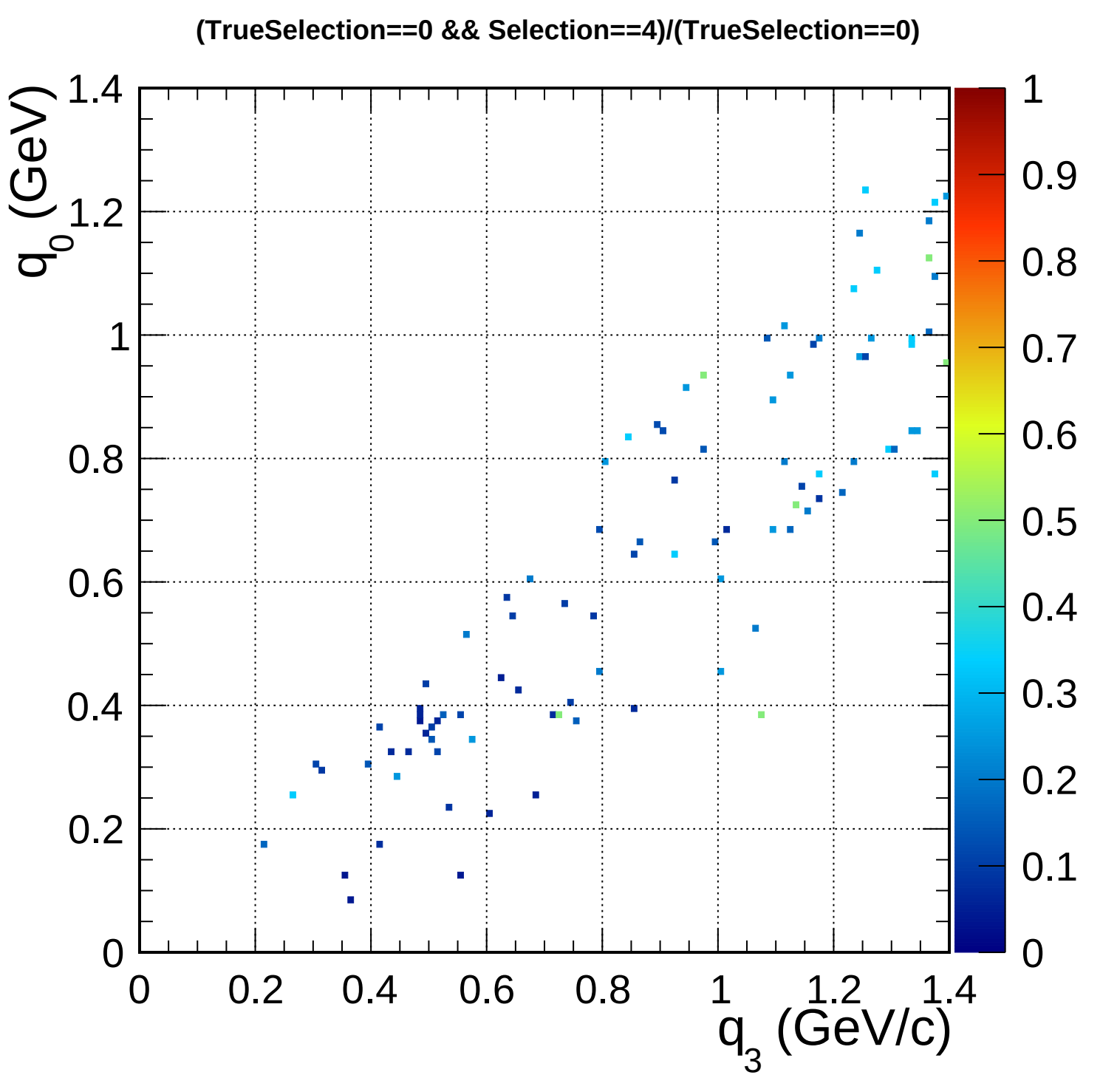

TrueSelection==0 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

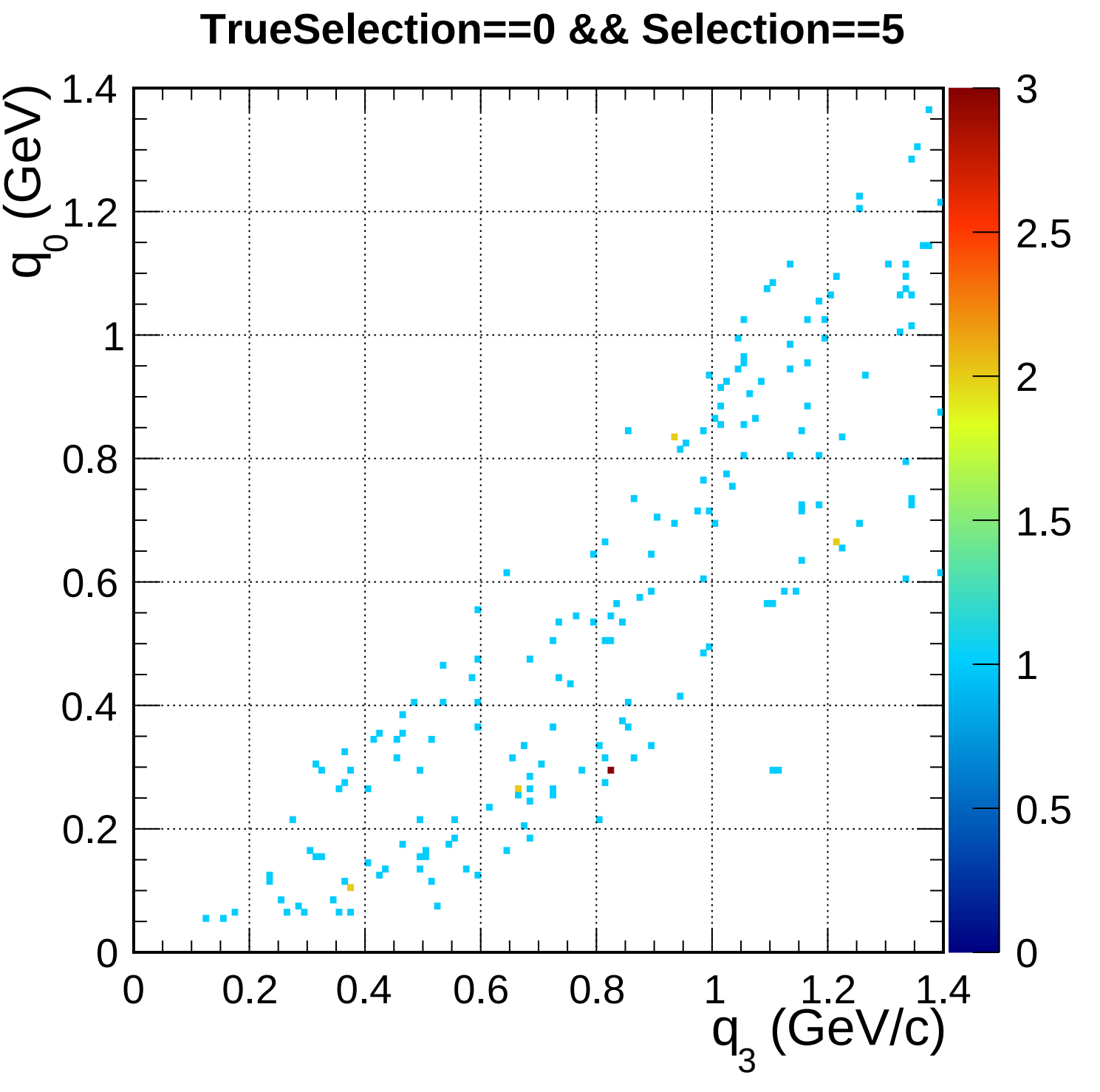

(TrueSelection==0 && Selection<0)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

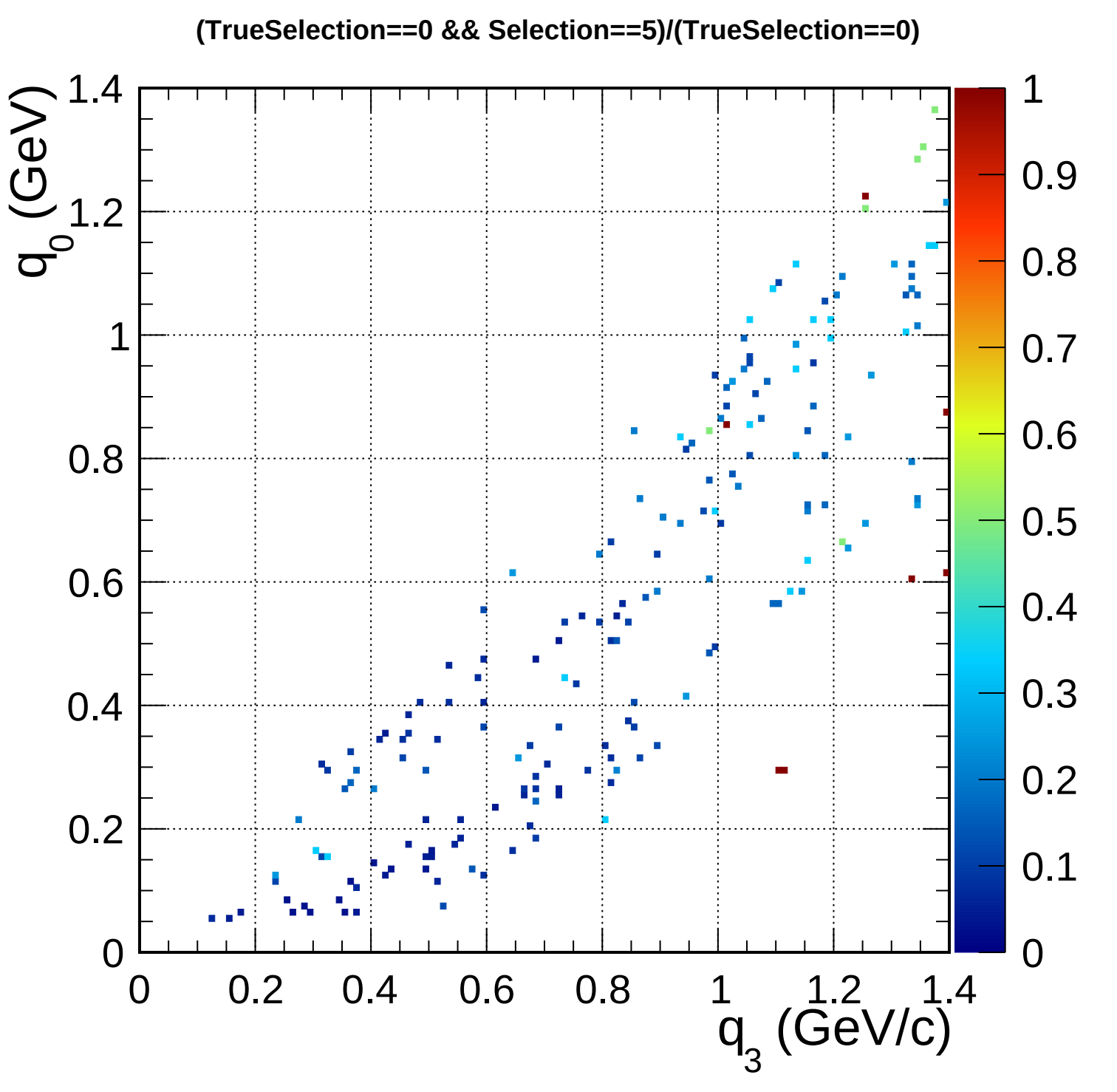

TrueSelection==0 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

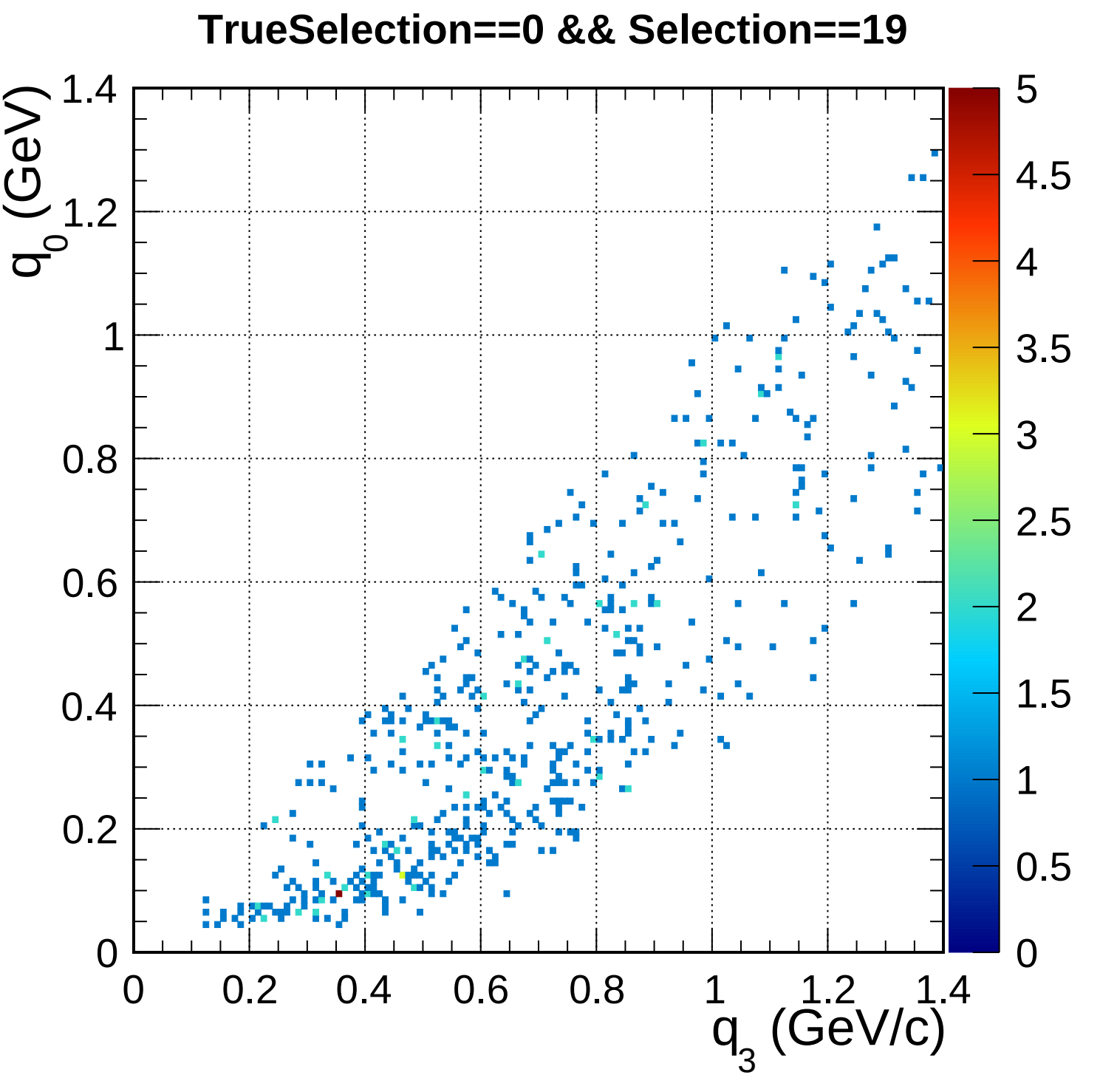

(TrueSelection==0 && Selection==3)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

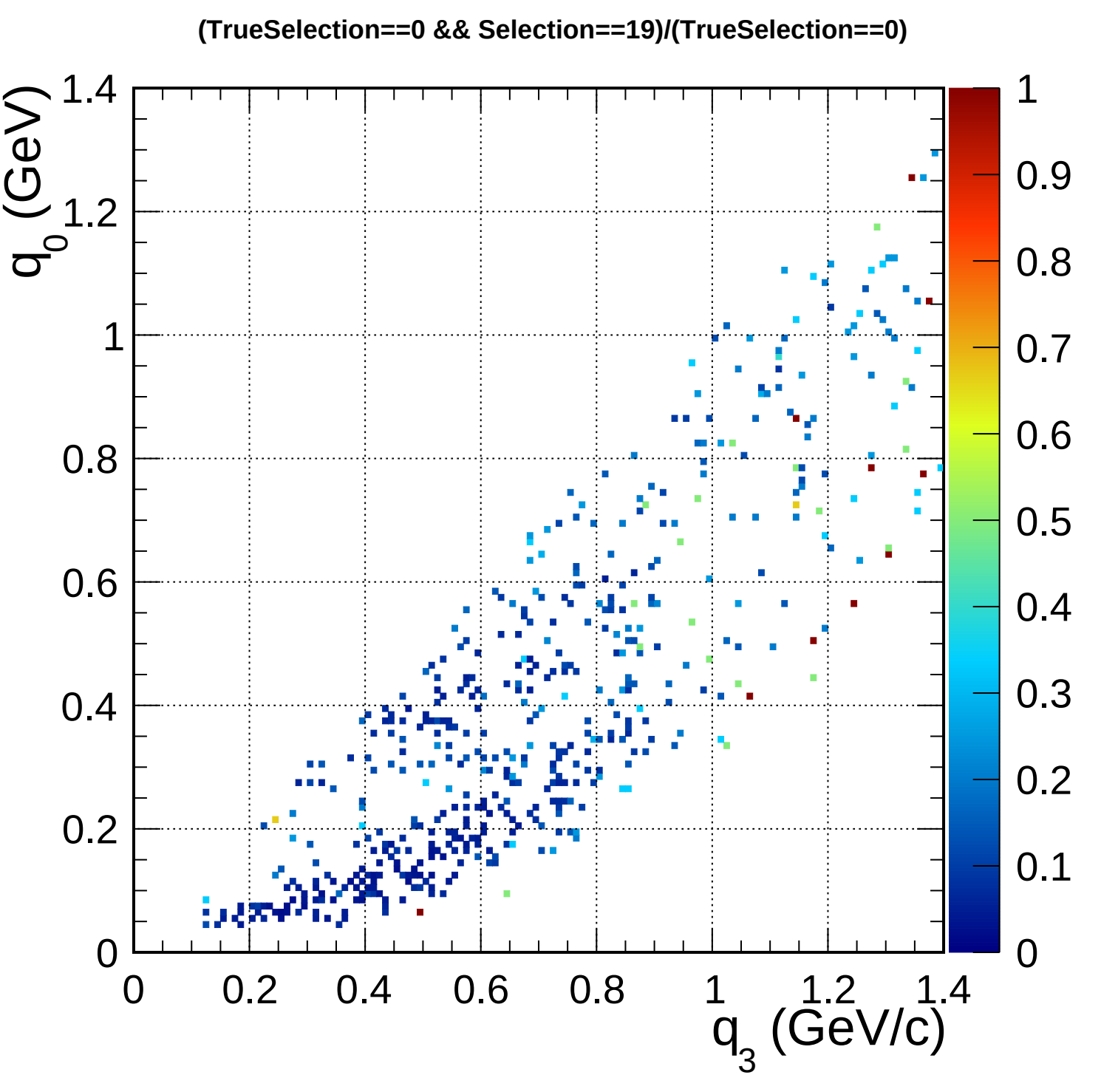

TrueSelection==0 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

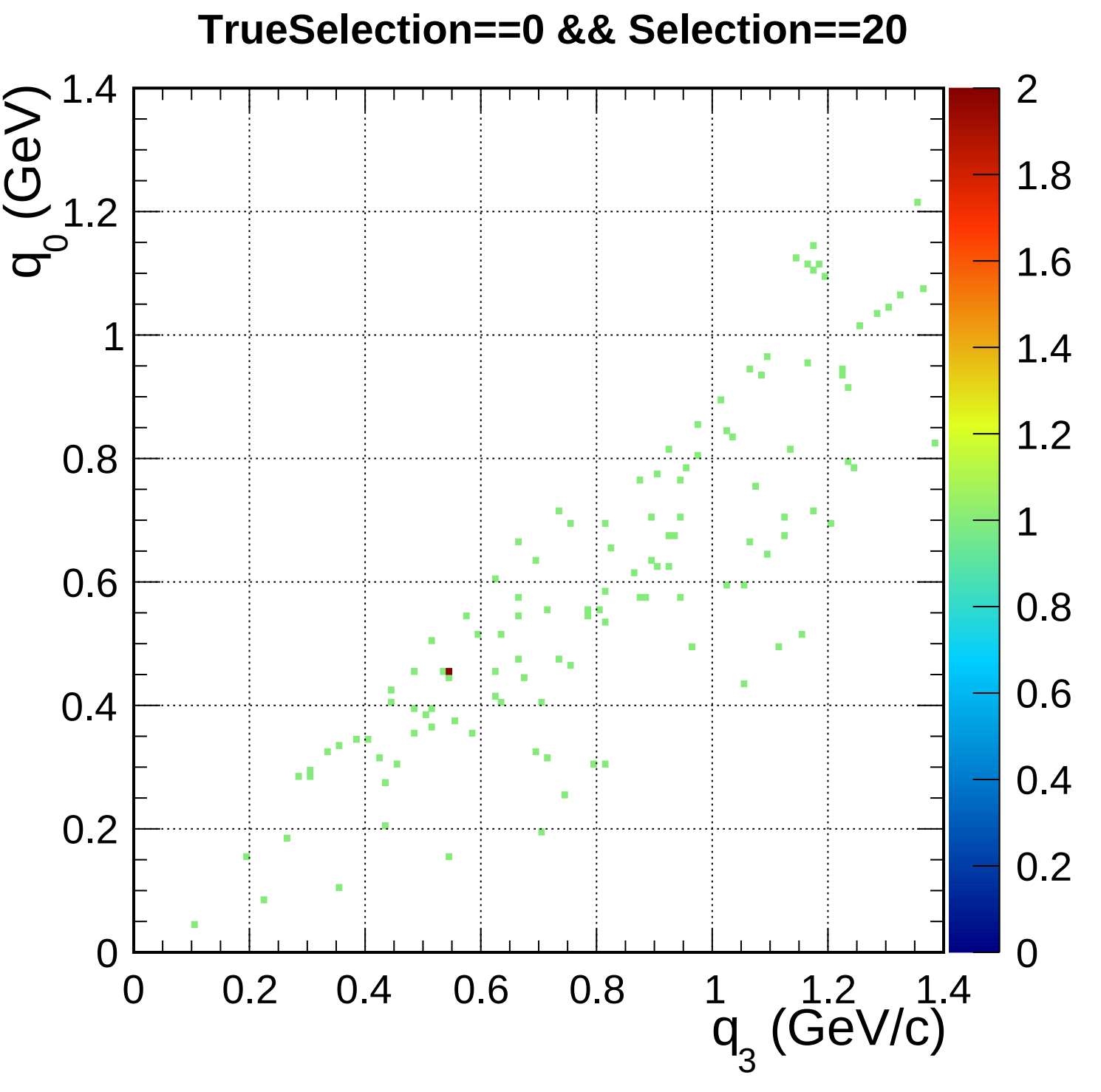

(TrueSelection==0 && Selection==4)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

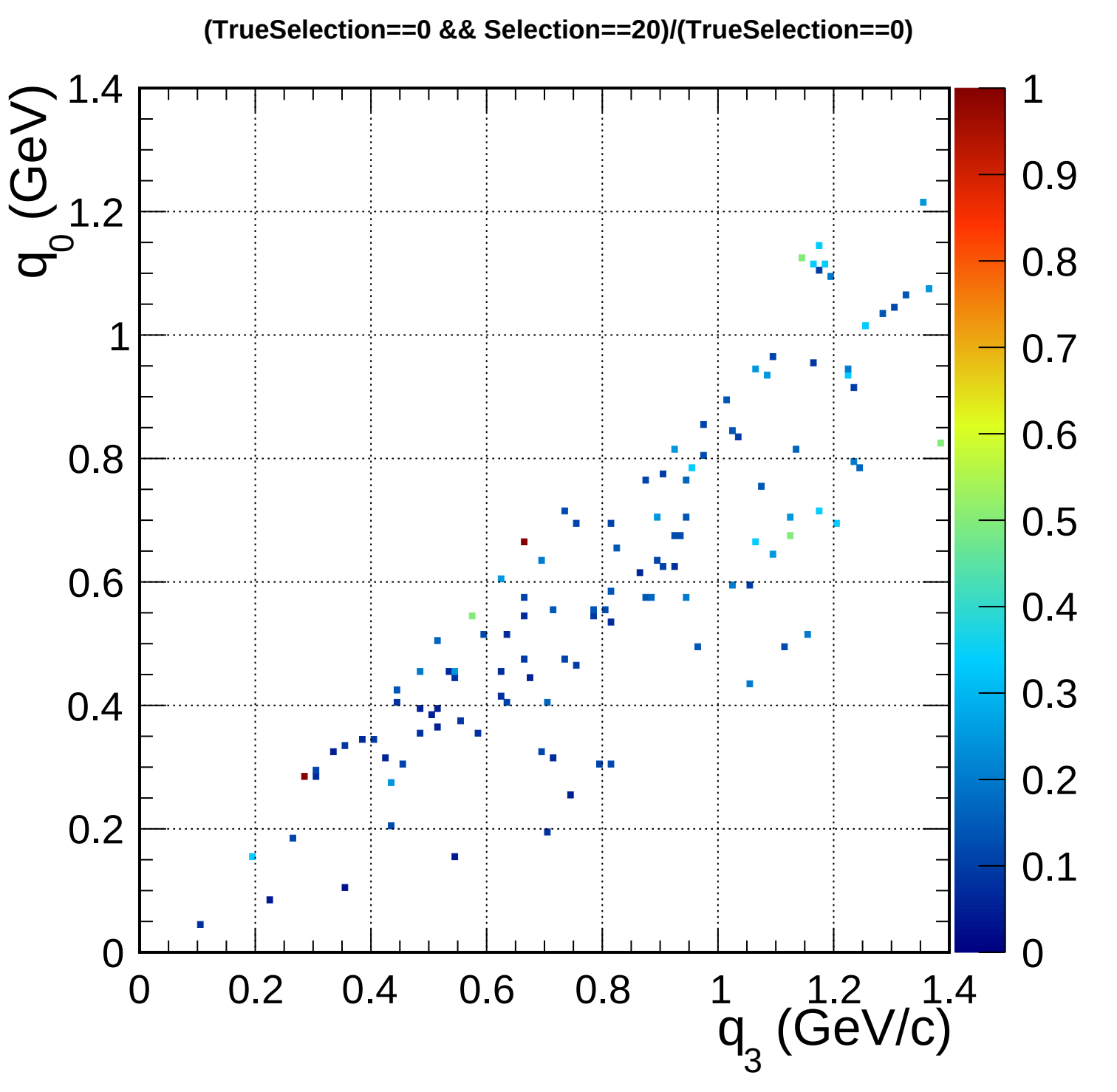

TrueSelection==0 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

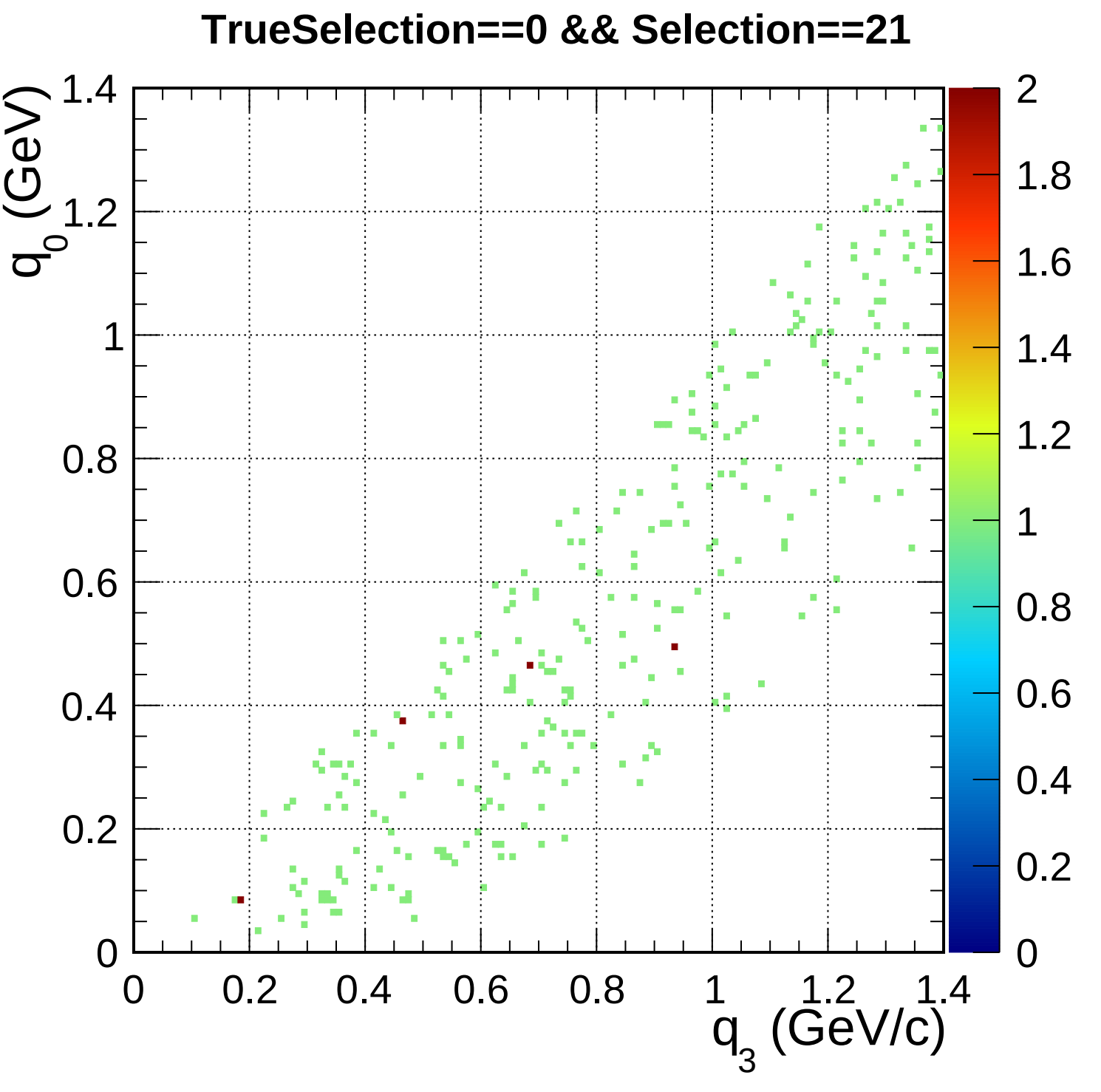

(TrueSelection==0 && Selection==5)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

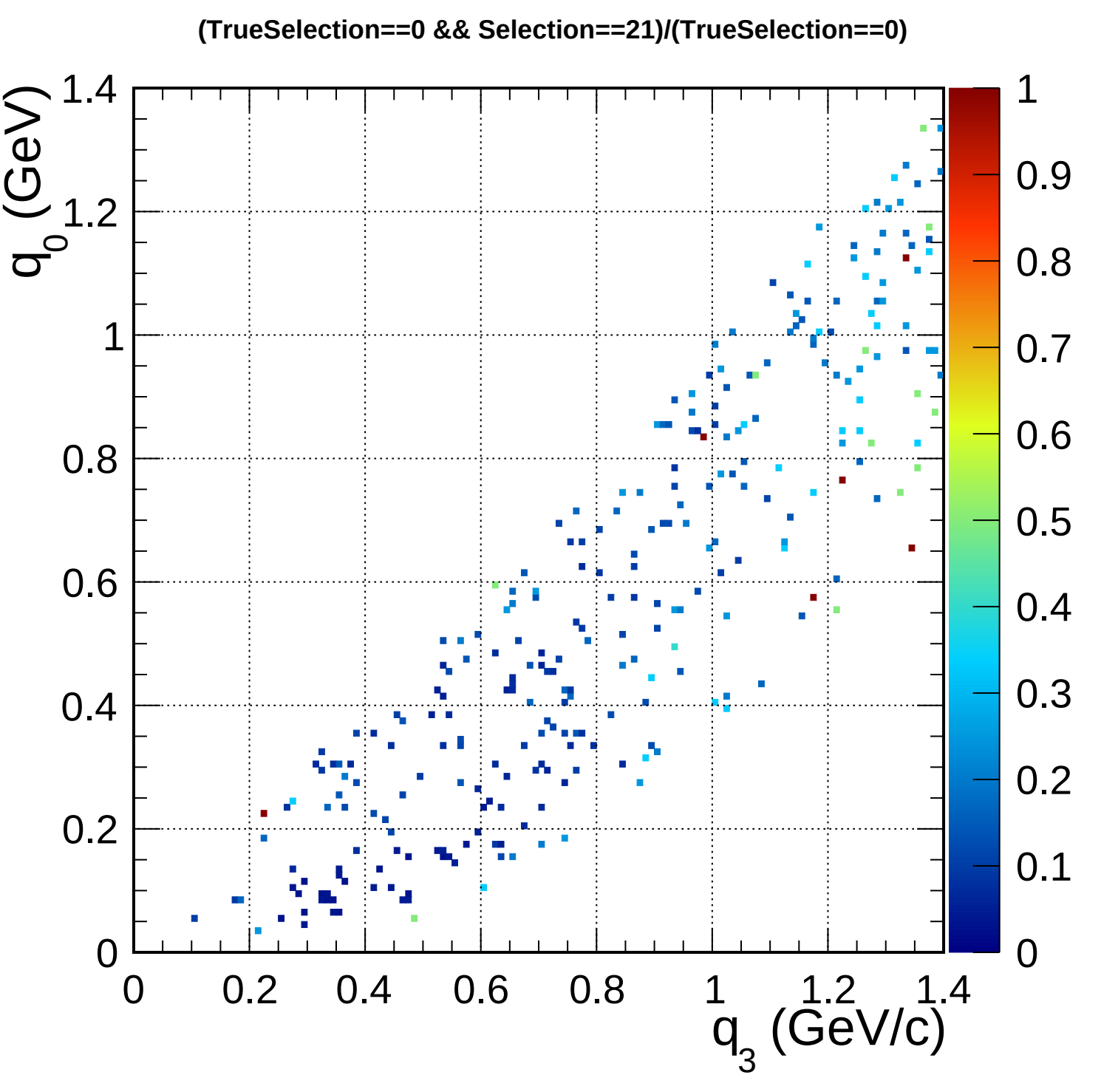

TrueSelection==0 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

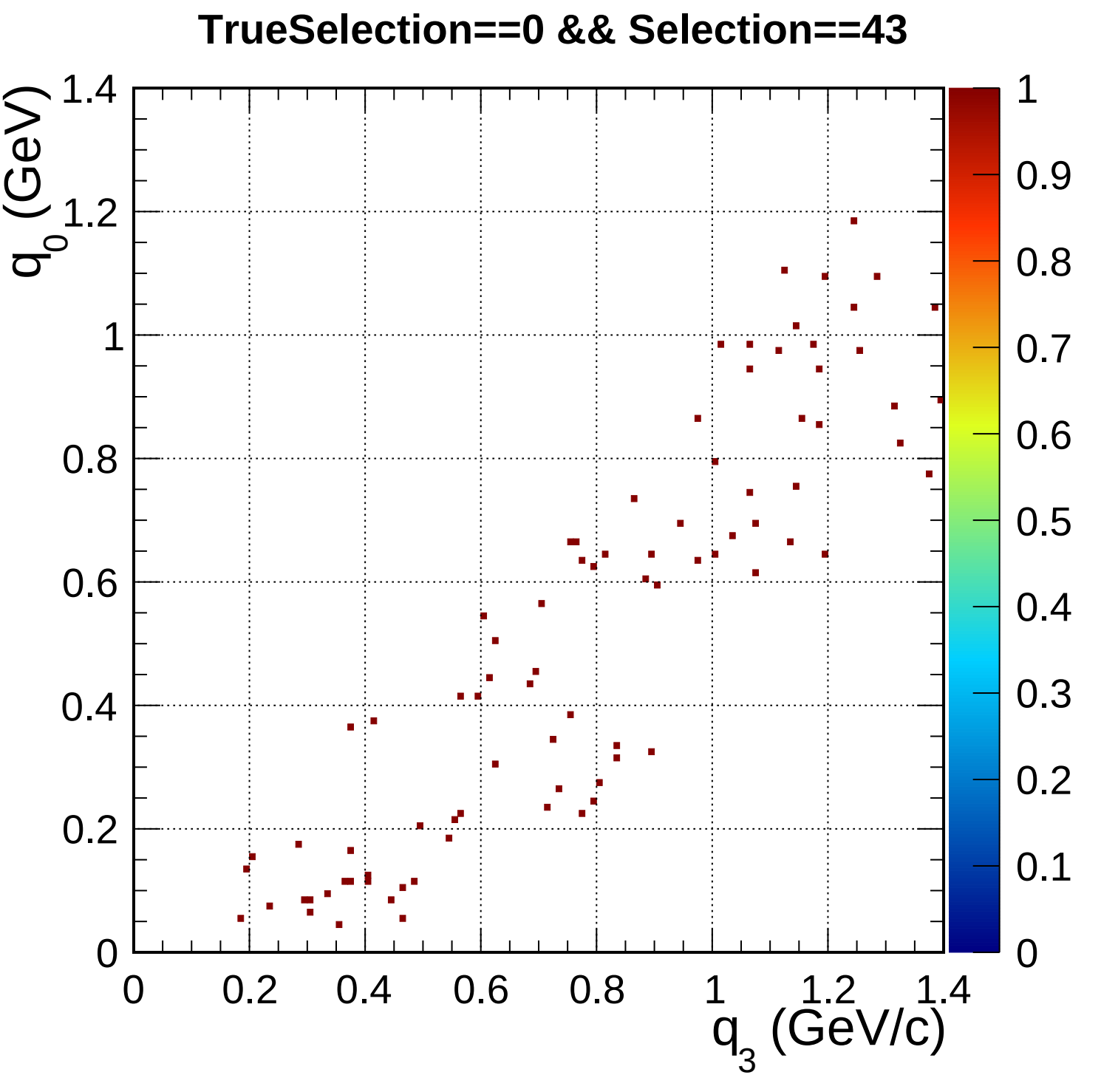

(TrueSelection==0 && Selection==19)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

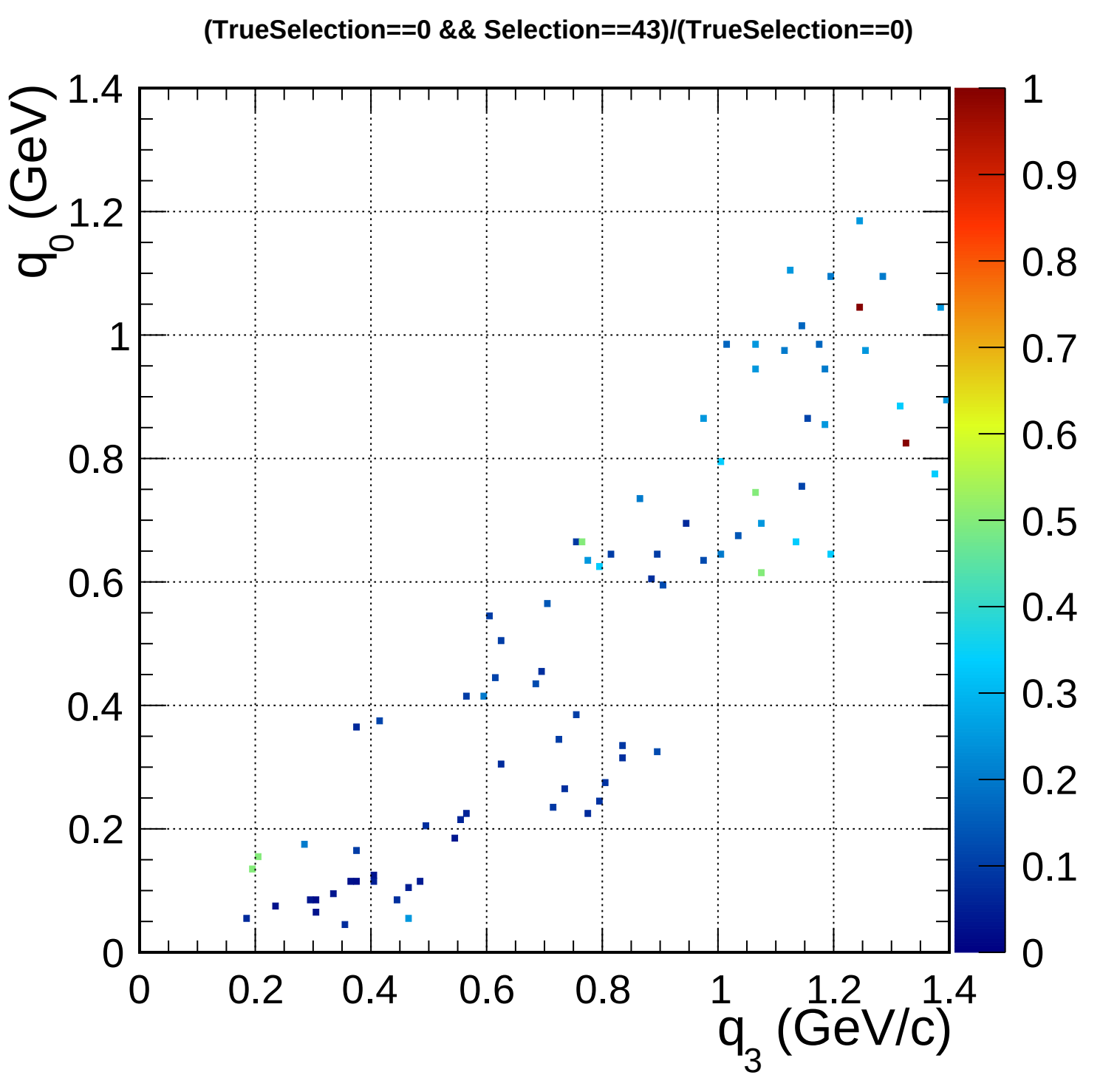

TrueSelection==0 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

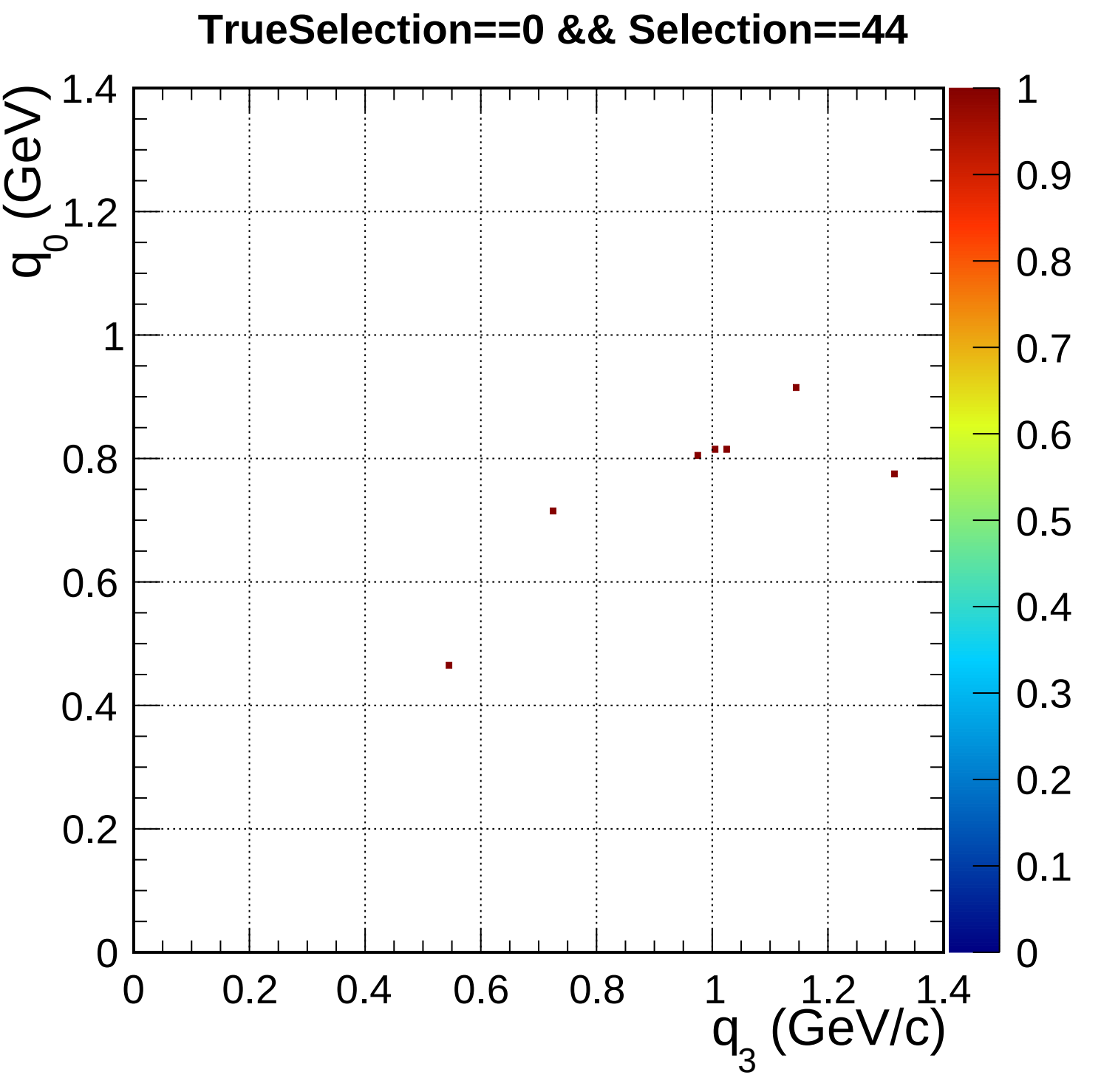

(TrueSelection==0 && Selection==20)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

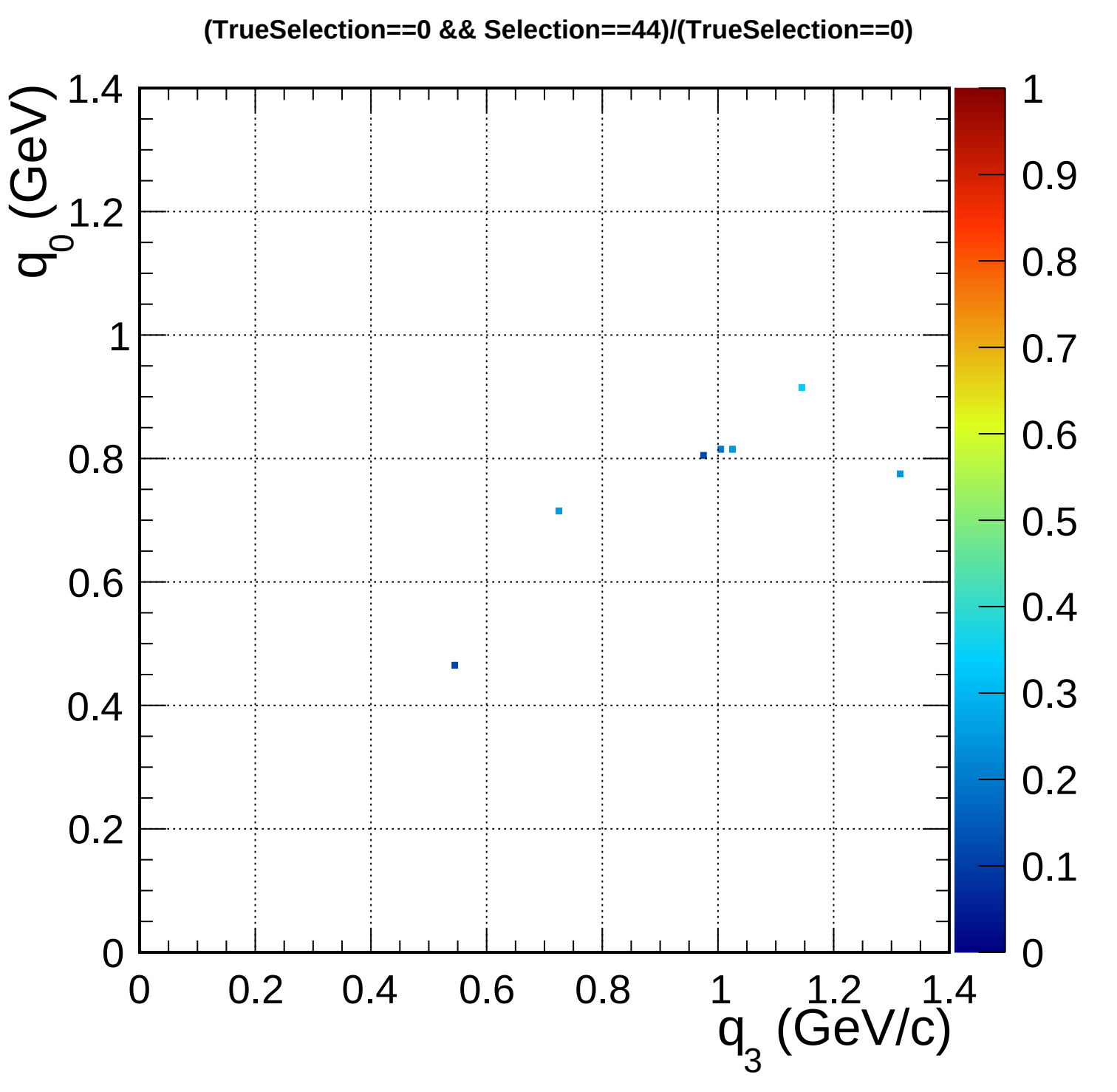

TrueSelection==0 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

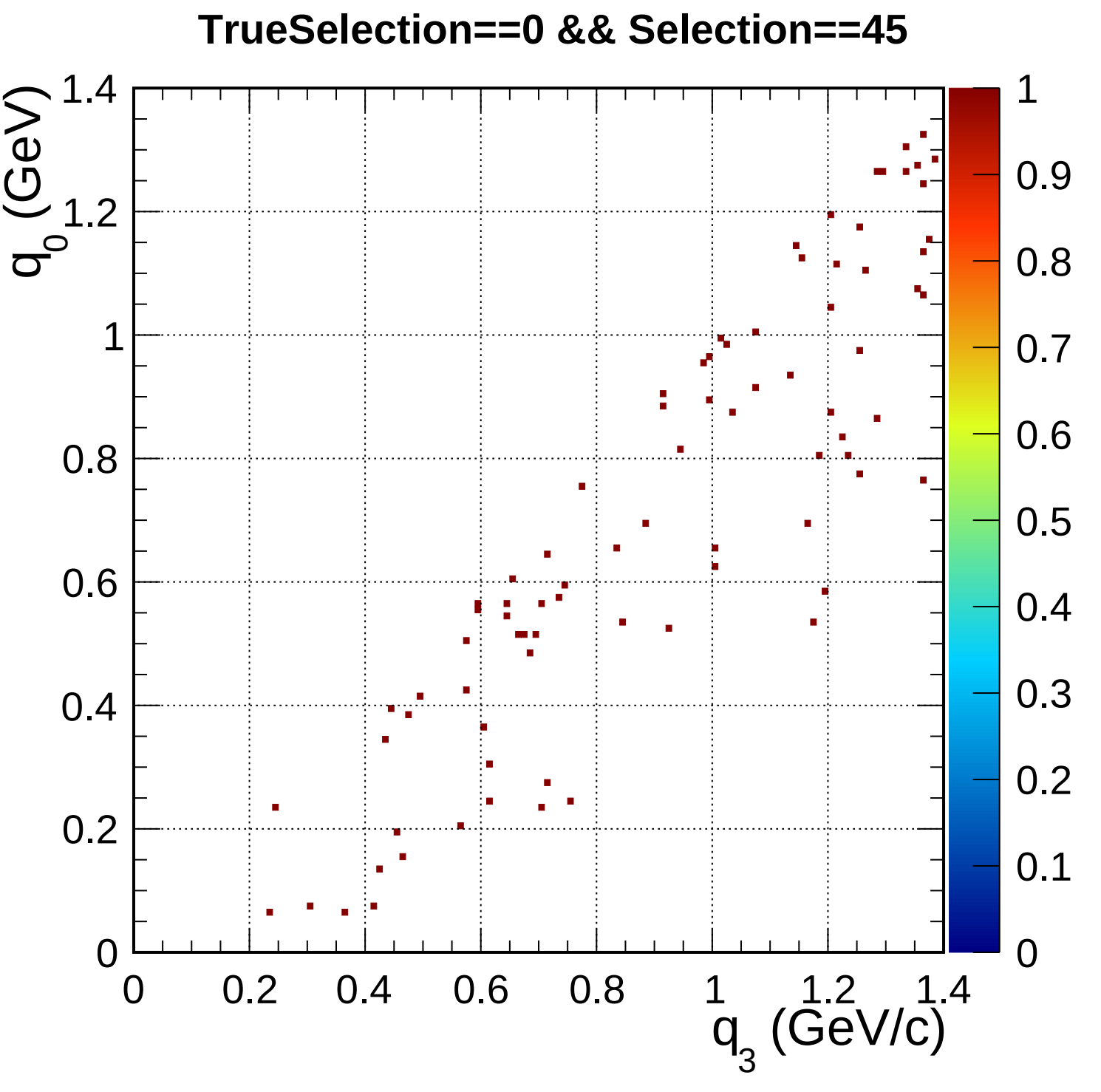

(TrueSelection==0 && Selection==21)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

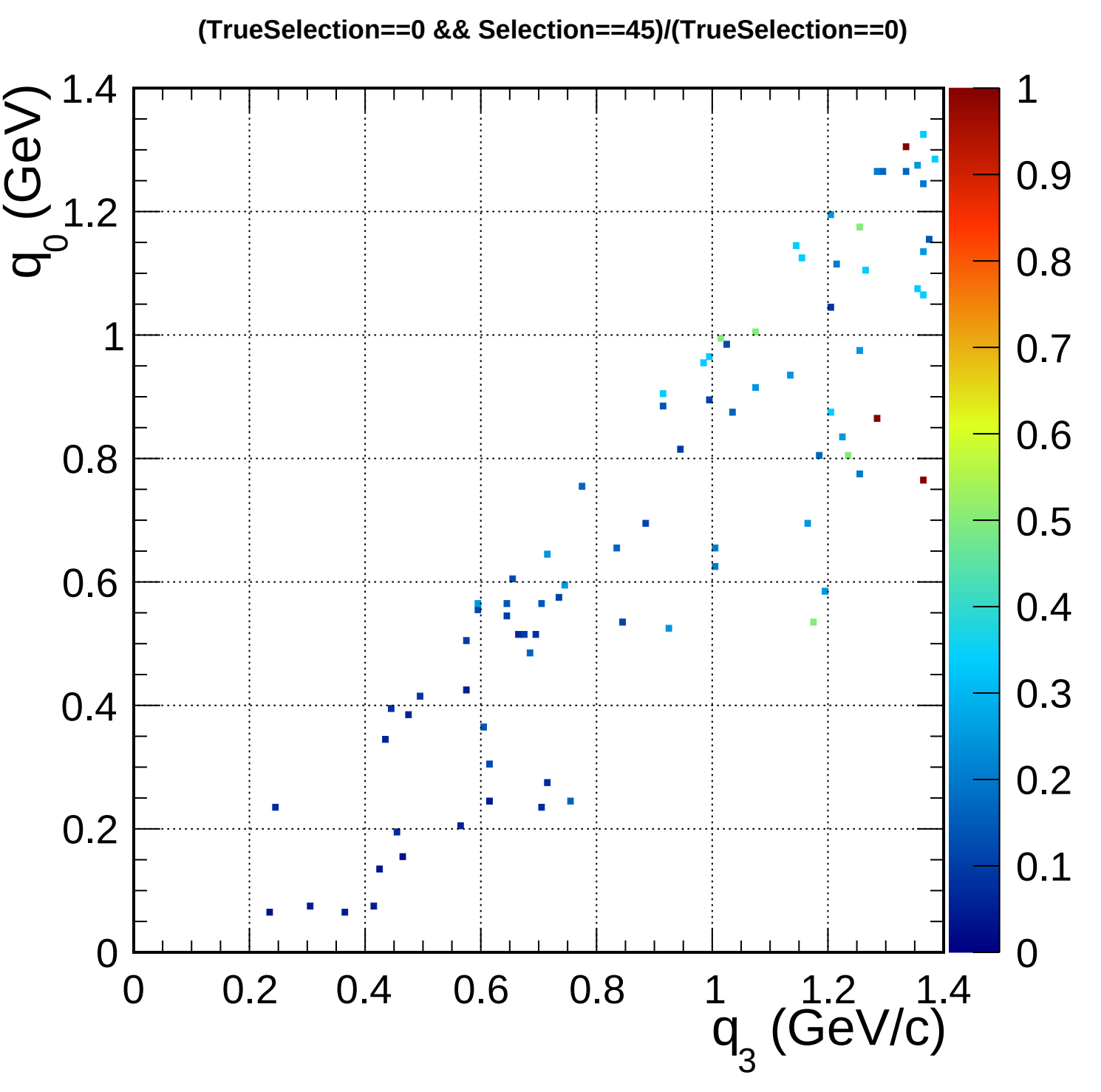

TrueSelection==0 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

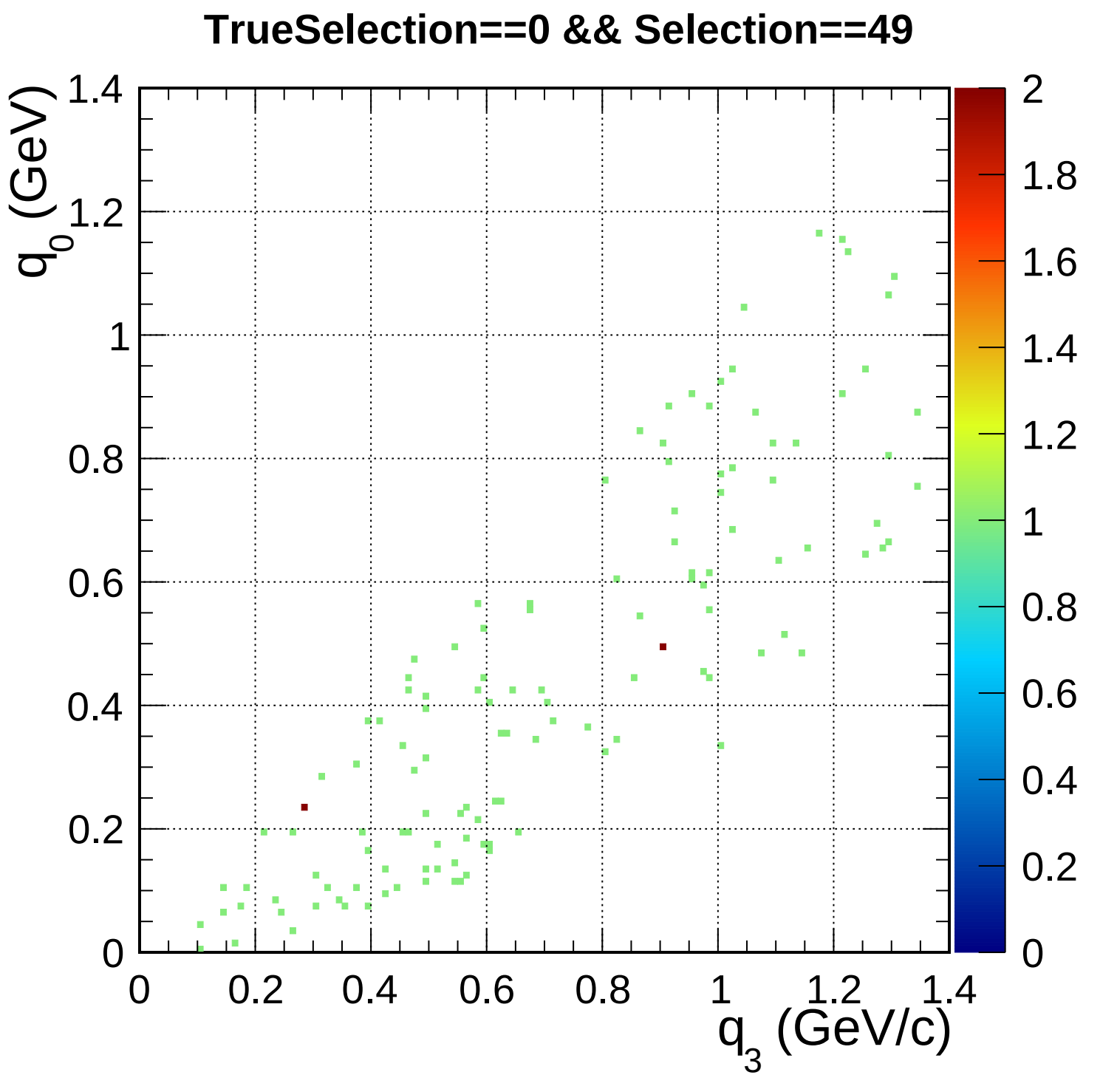

(TrueSelection==0 && Selection==43)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

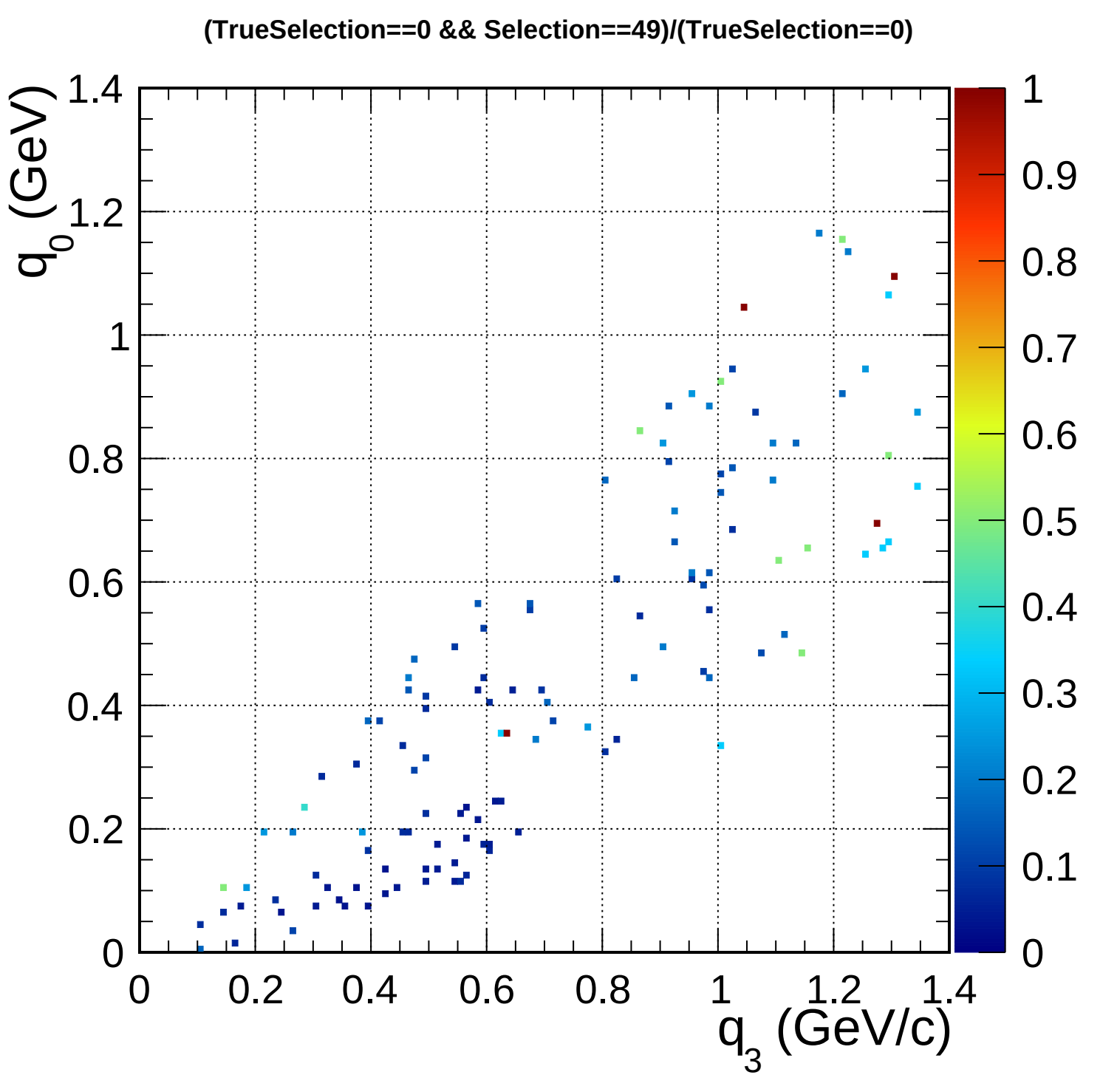

TrueSelection==0 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

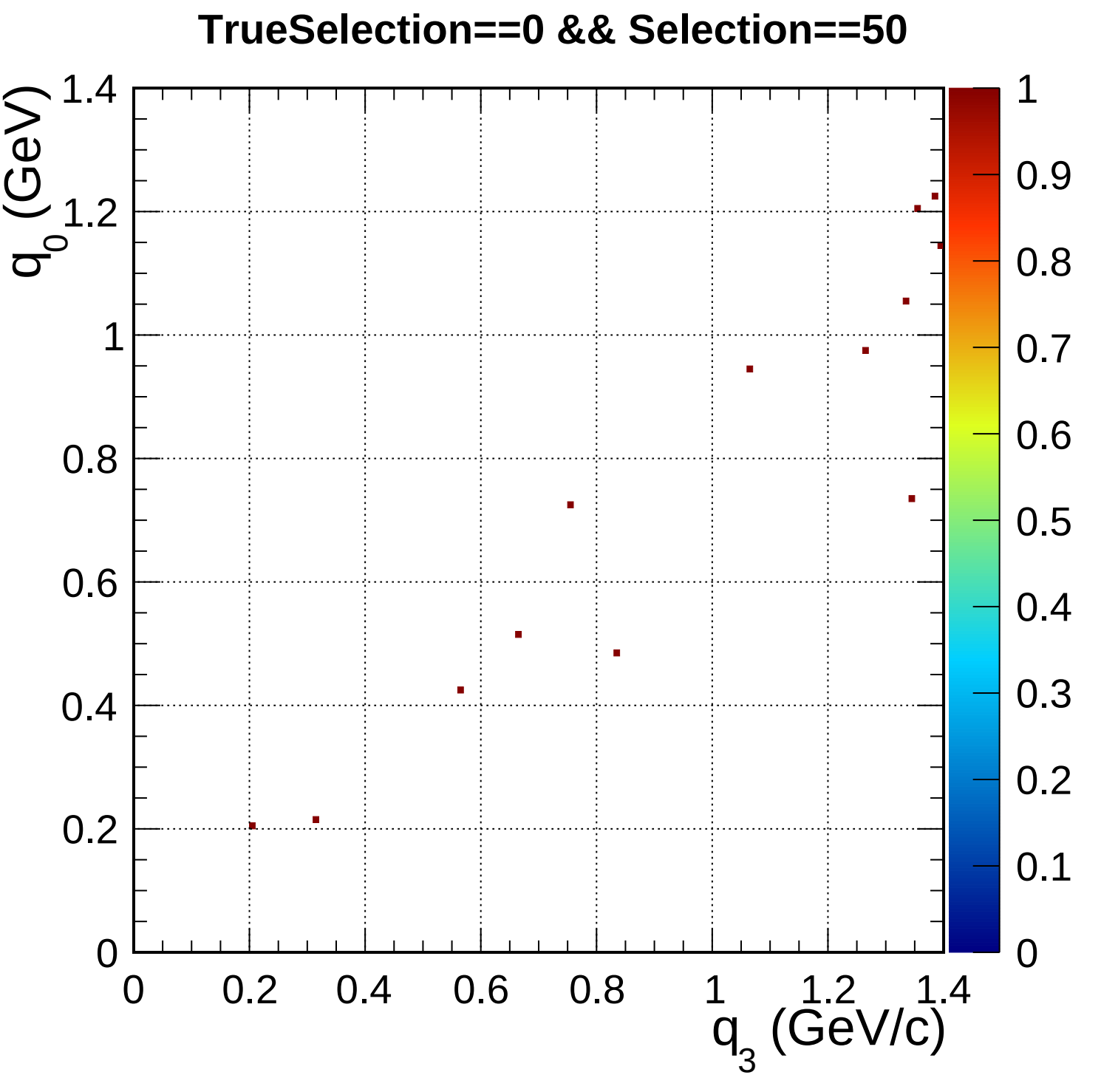

(TrueSelection==0 && Selection==44)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

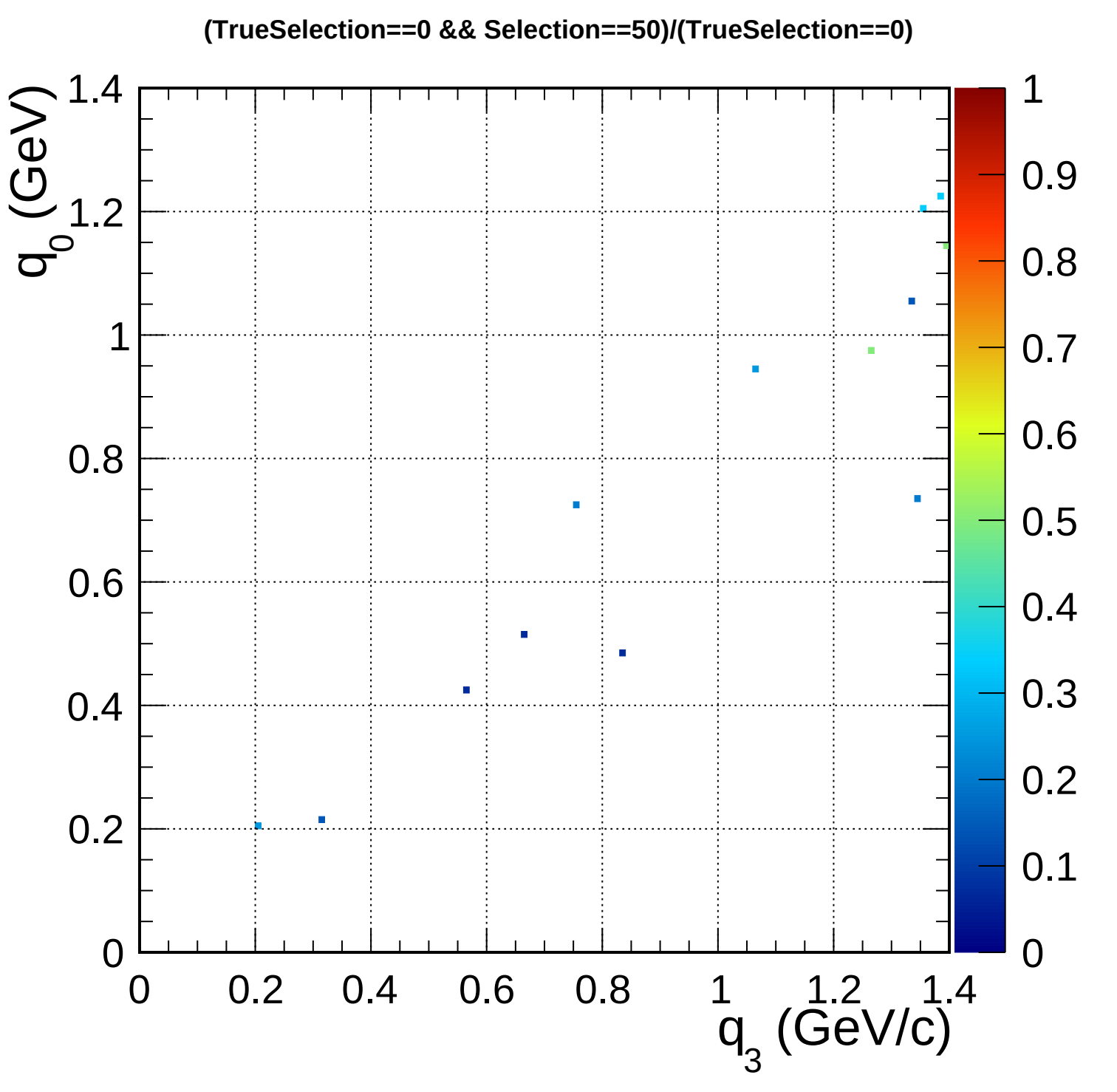

TrueSelection==0 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

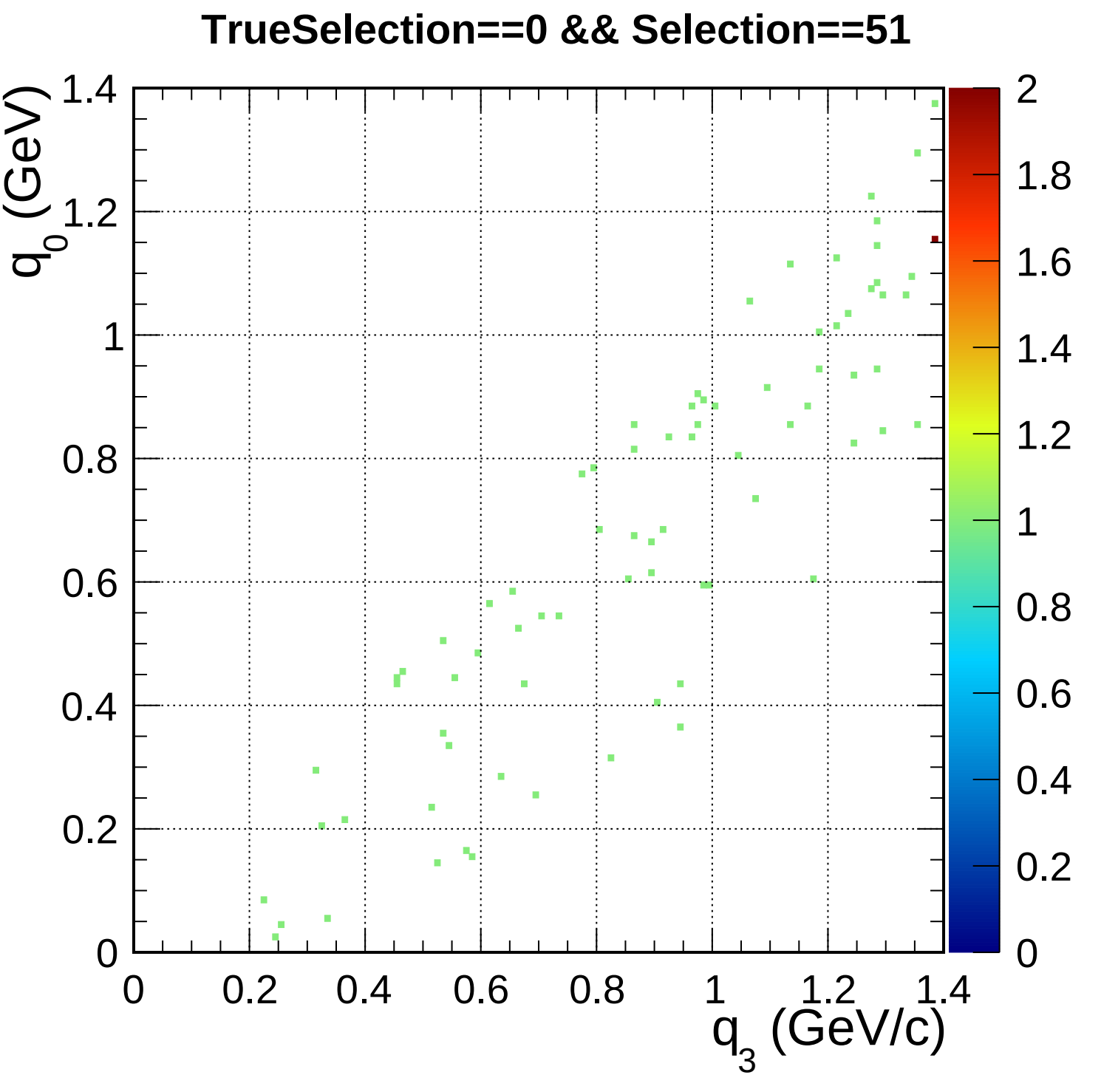

(TrueSelection==0 && Selection==45)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

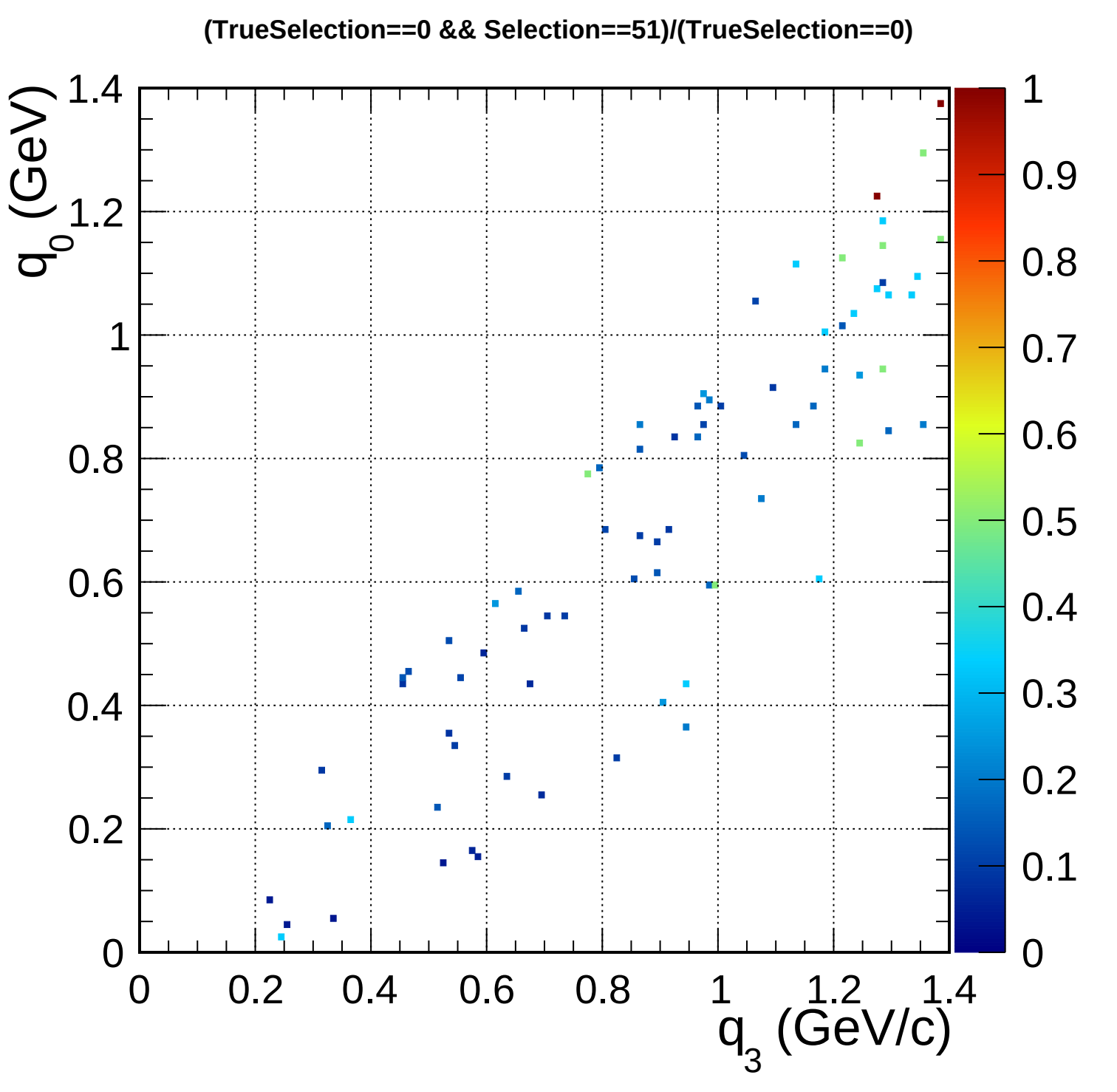

TrueSelection==0 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

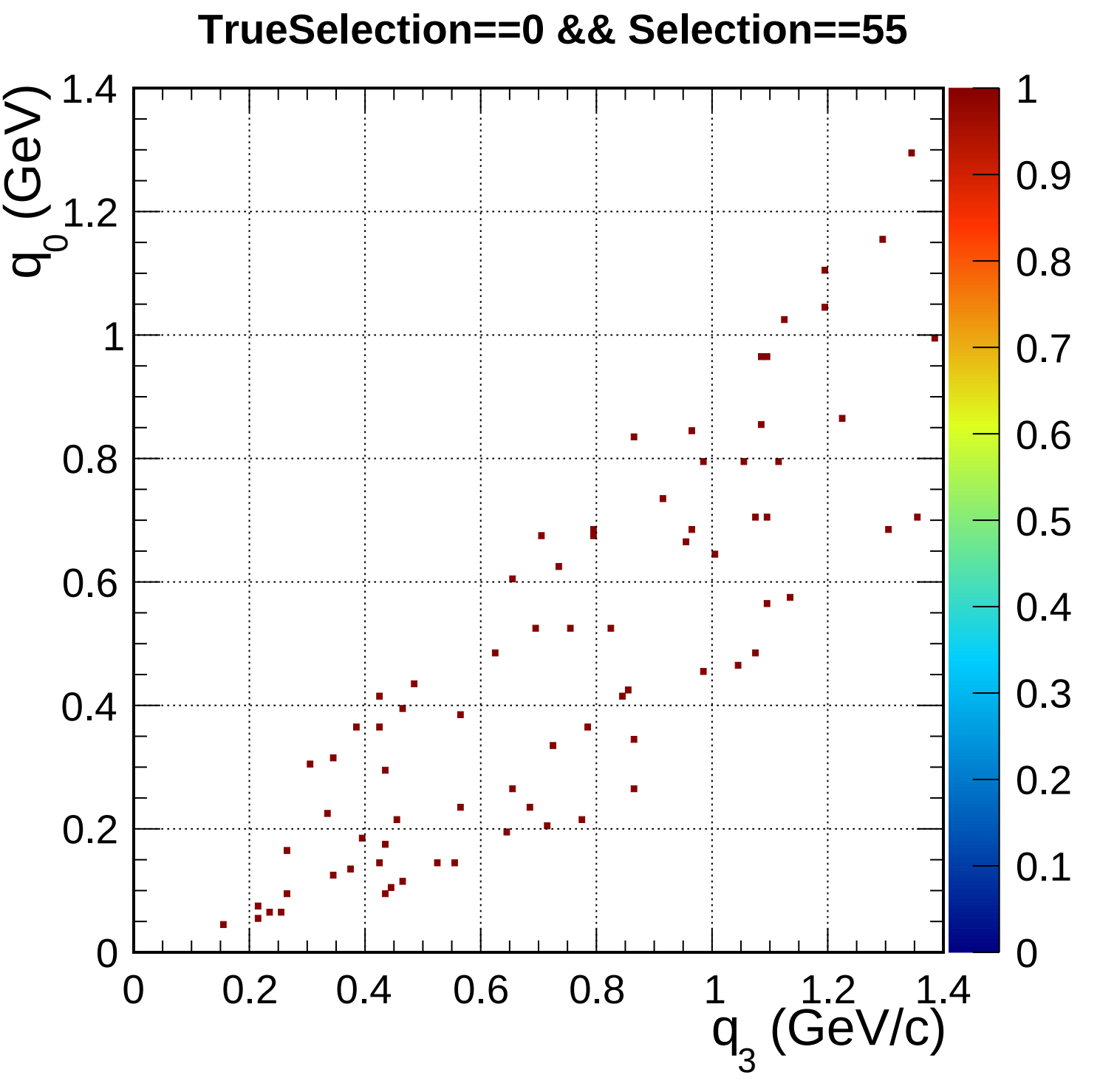

(TrueSelection==0 && Selection==49)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

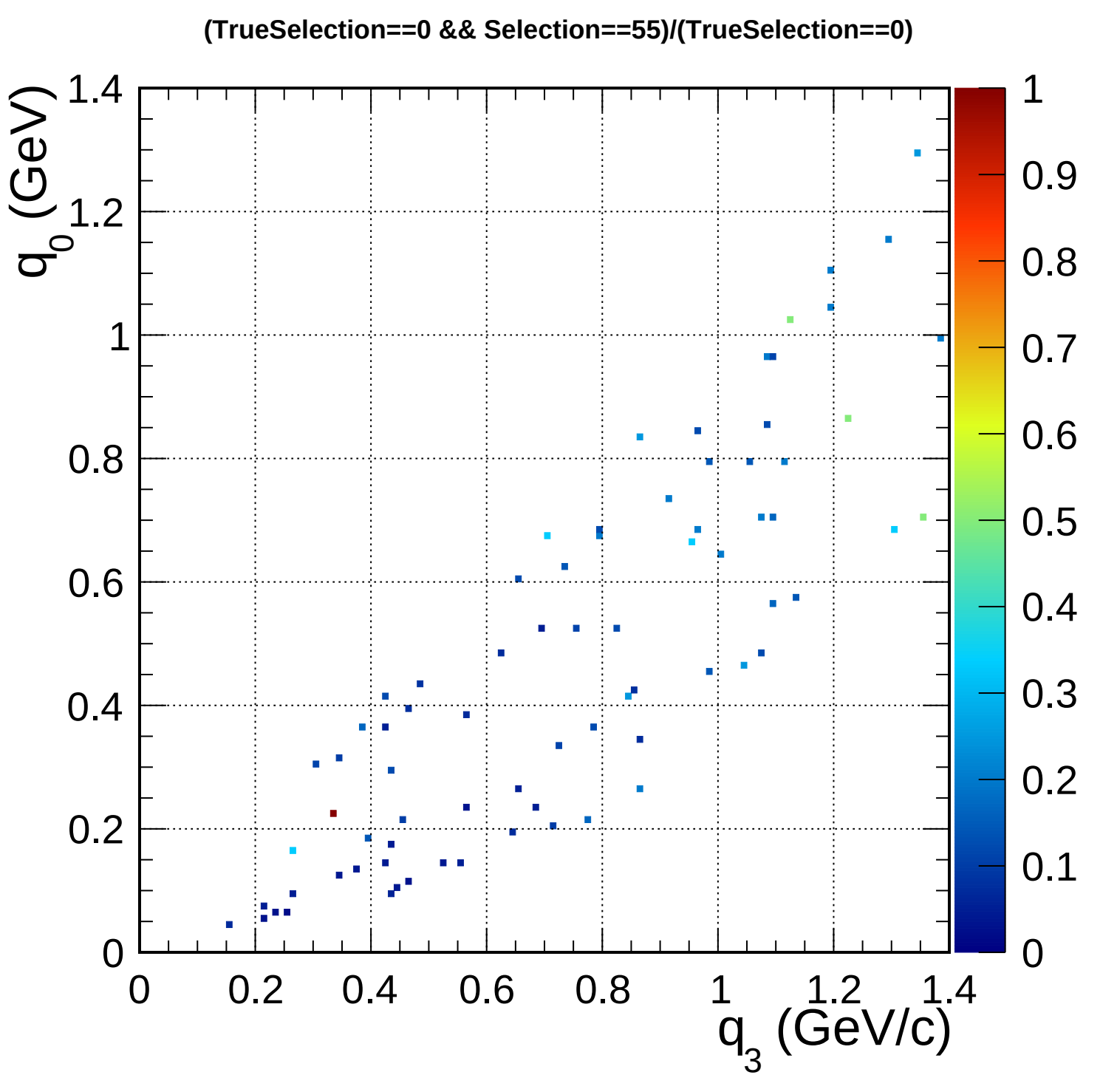

TrueSelection==0 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

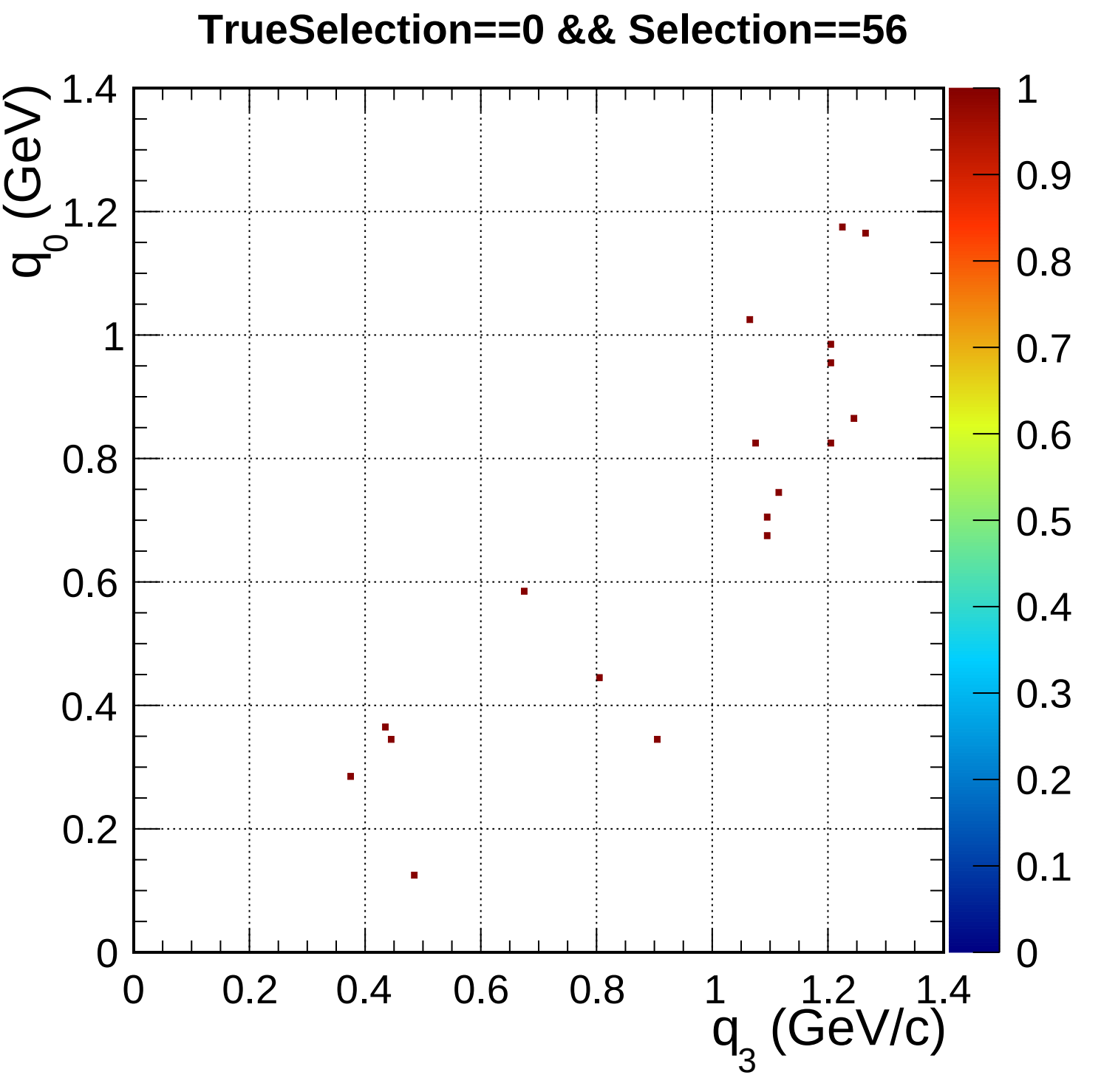

(TrueSelection==0 && Selection==50)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

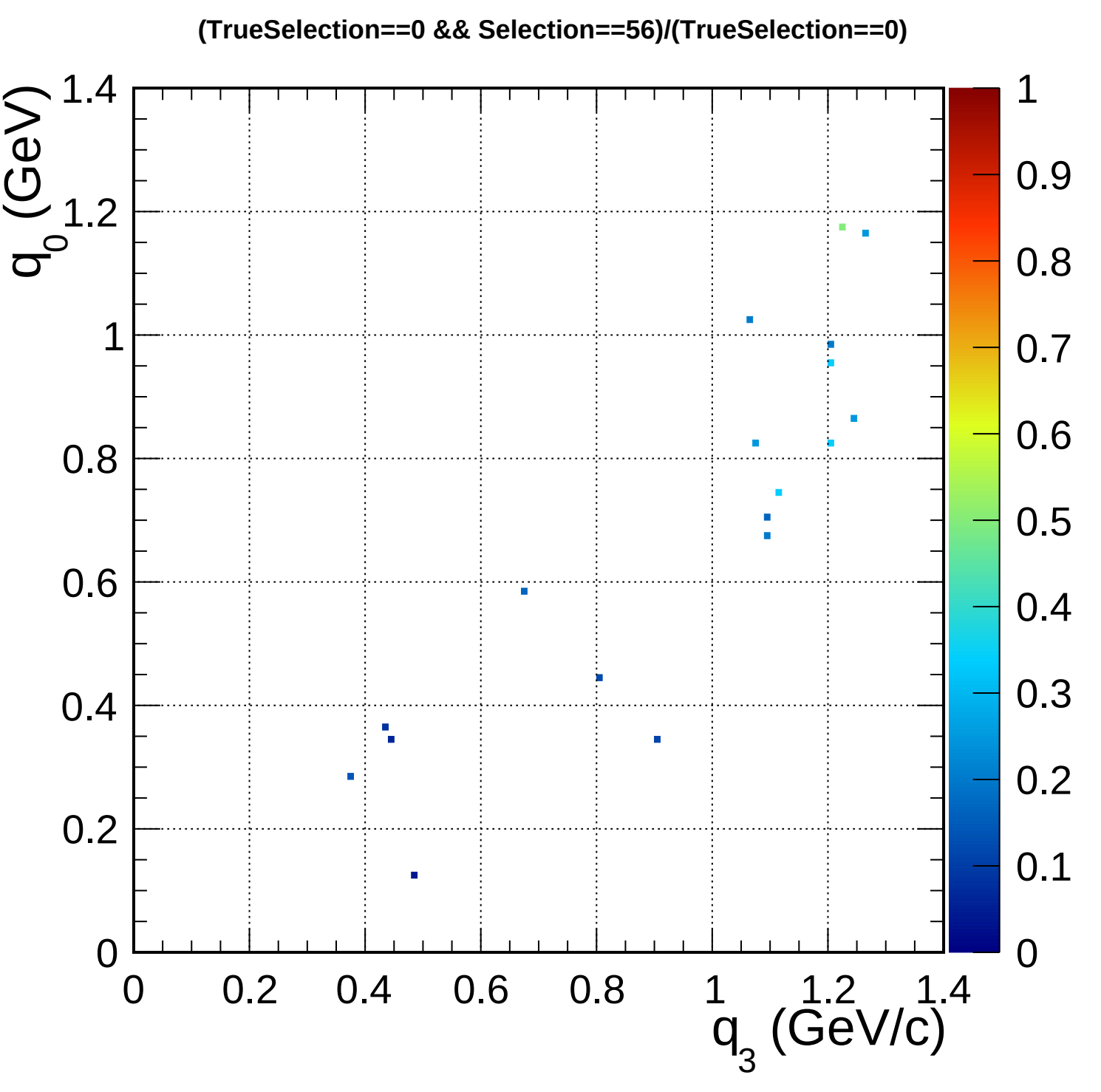

TrueSelection==0 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

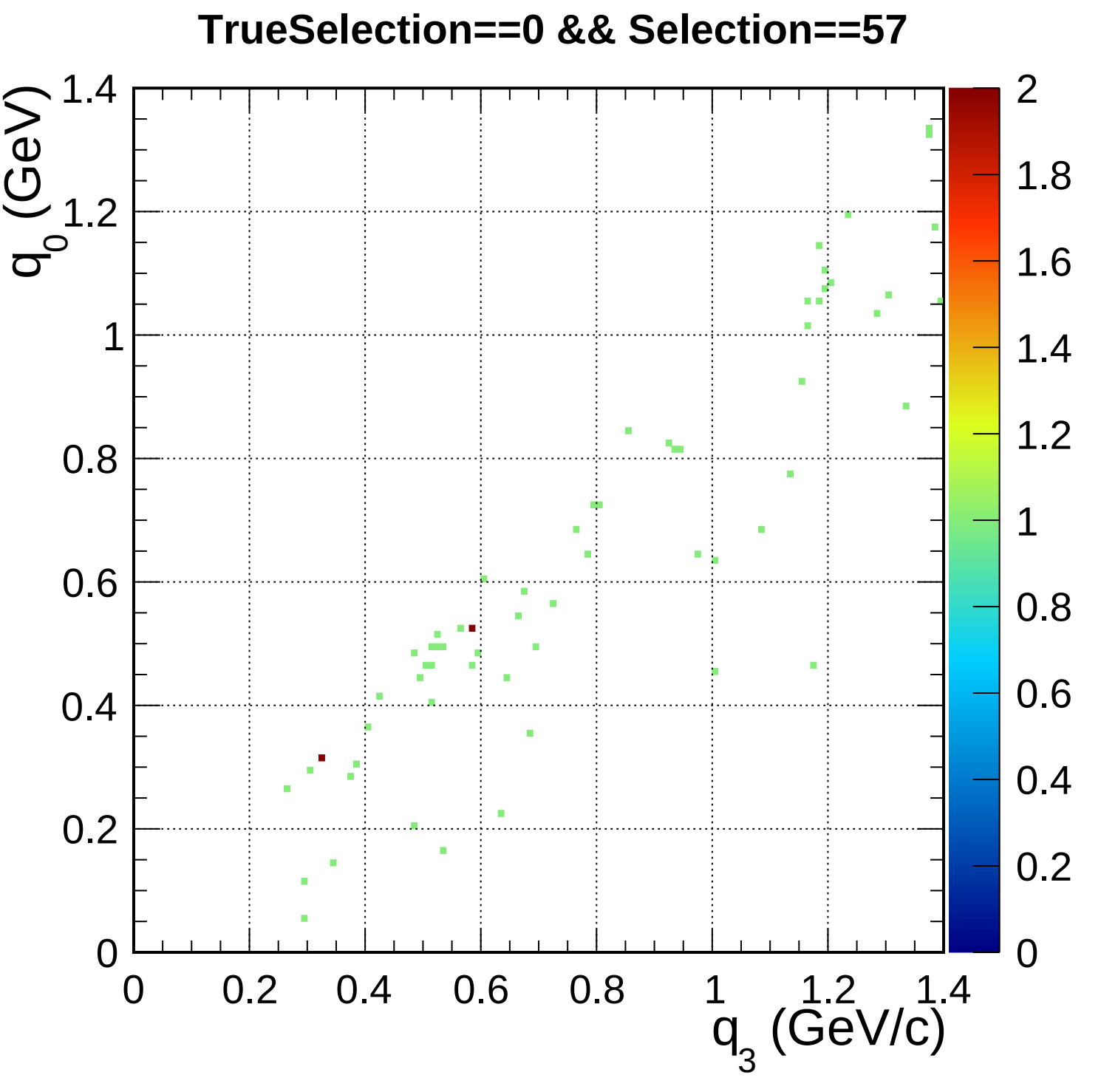

(TrueSelection==0 && Selection==51)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

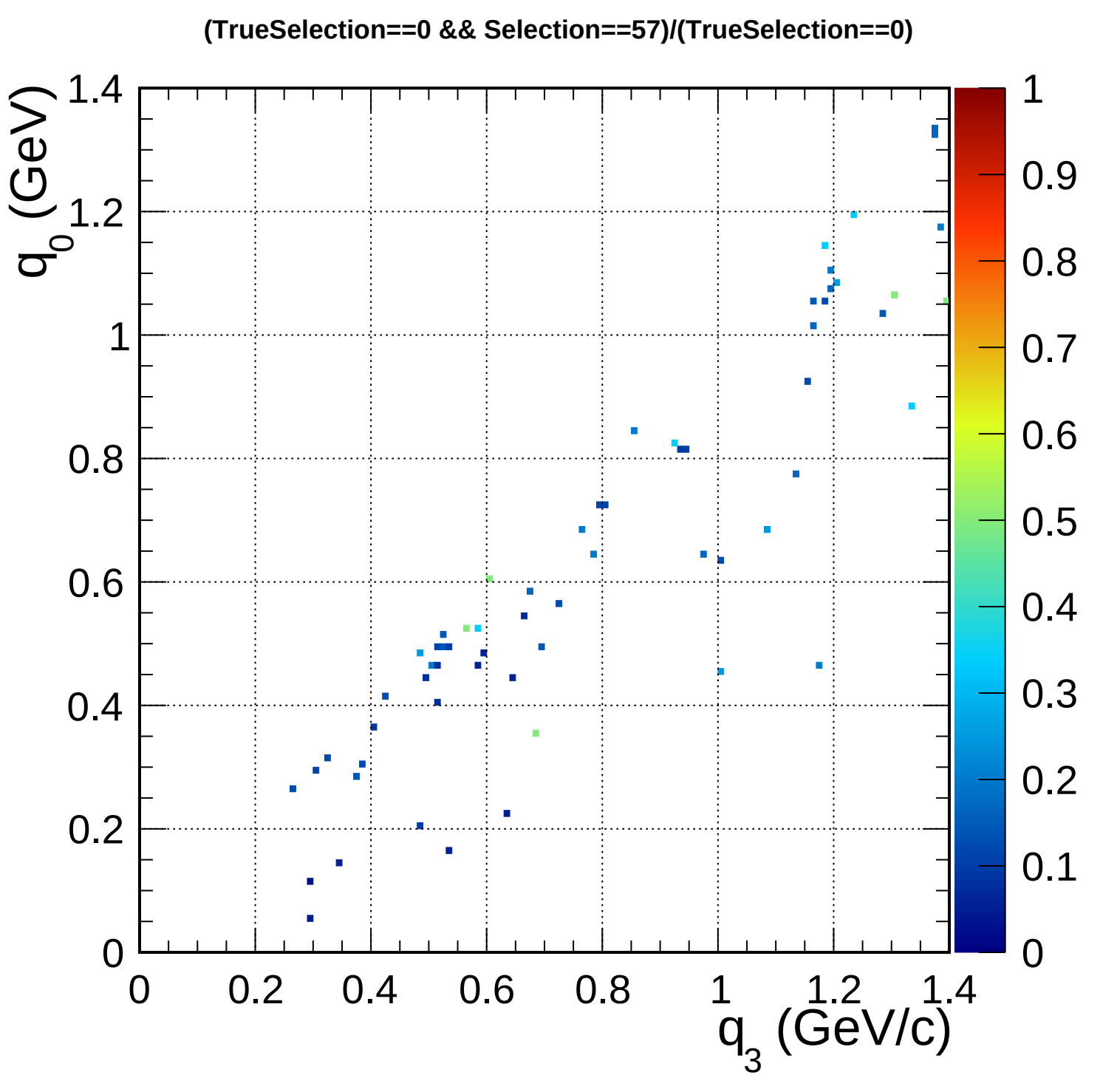

TrueSelection==0 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

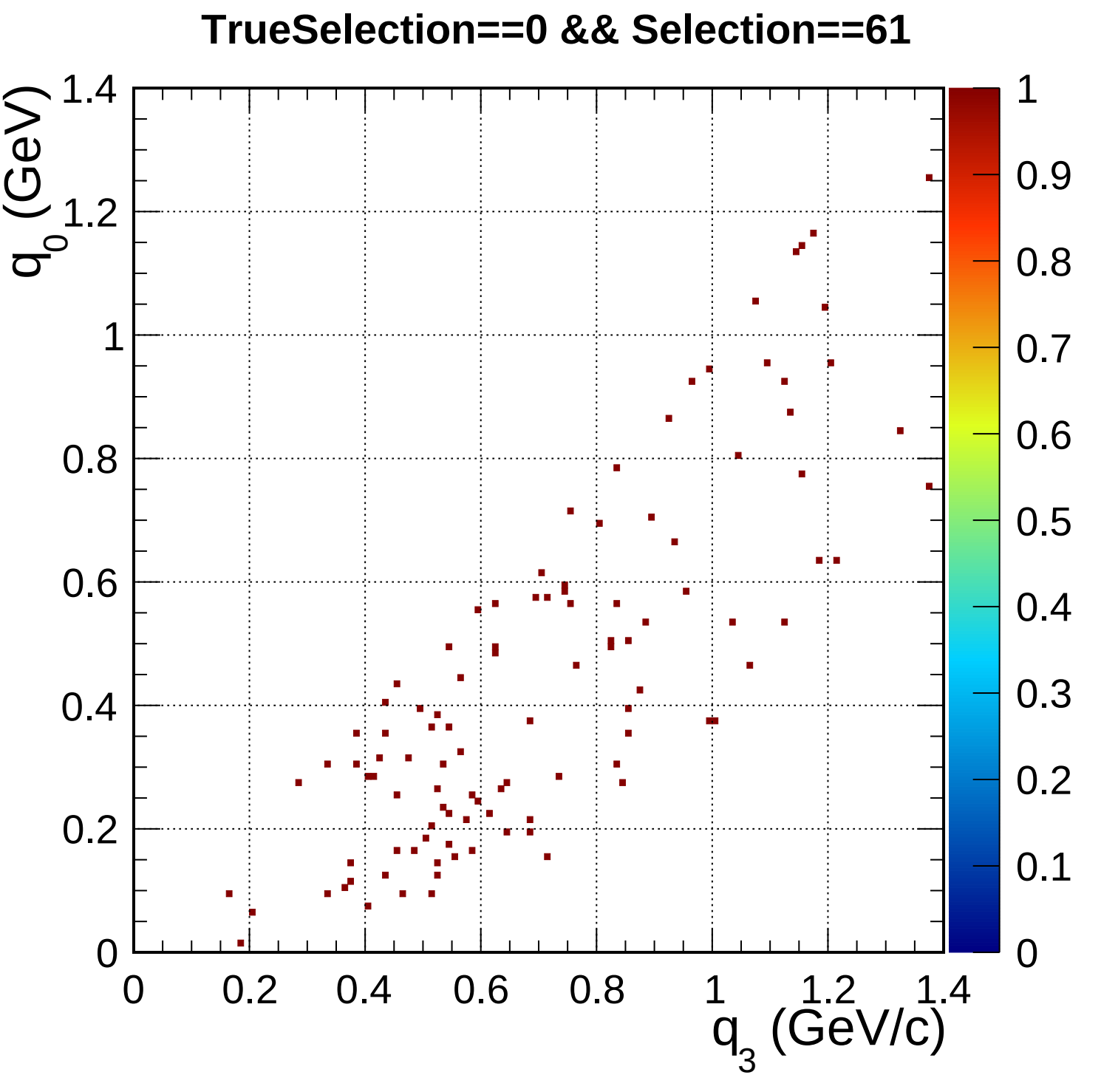

(TrueSelection==0 && Selection==55)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

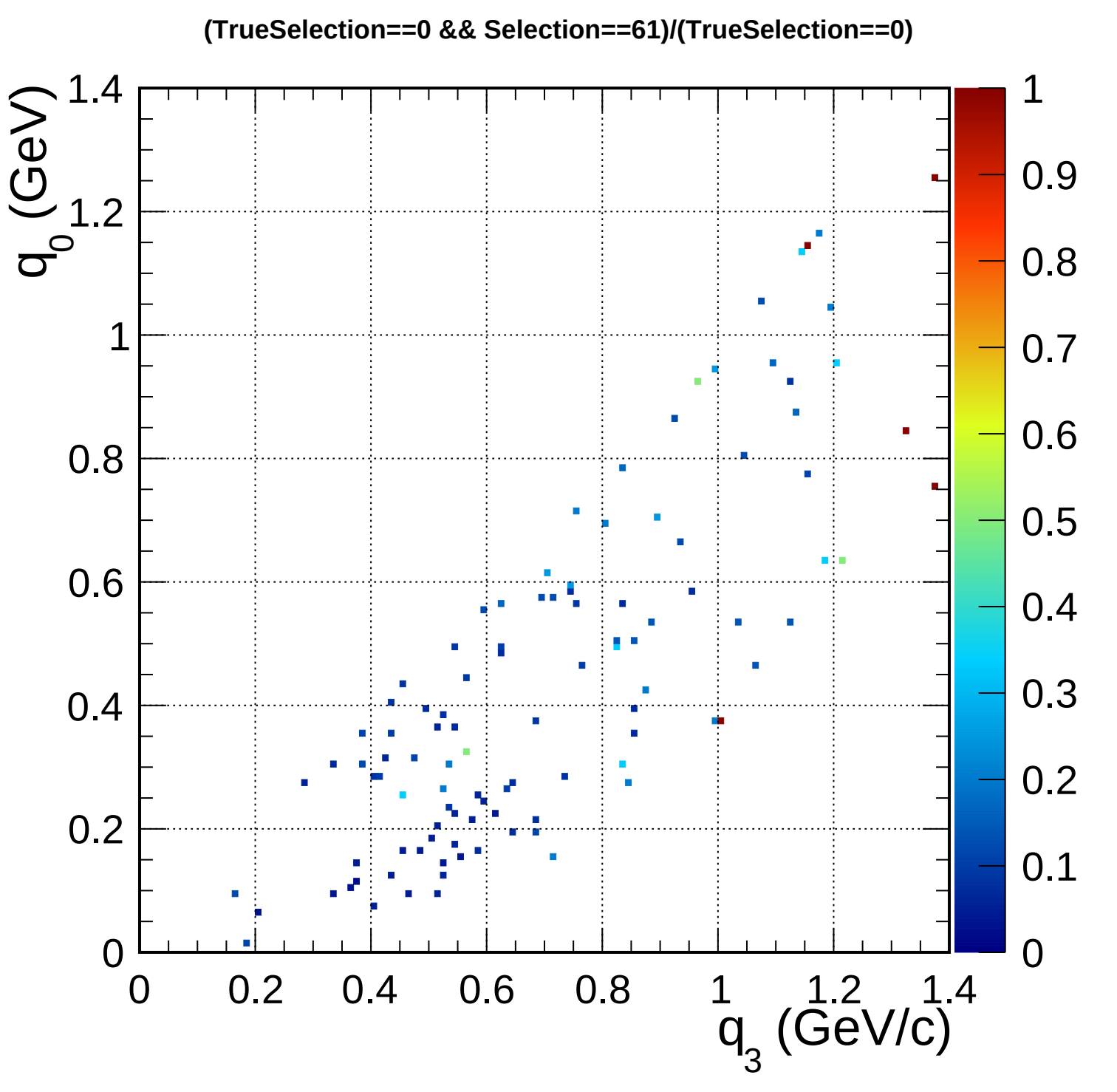

TrueSelection==0 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

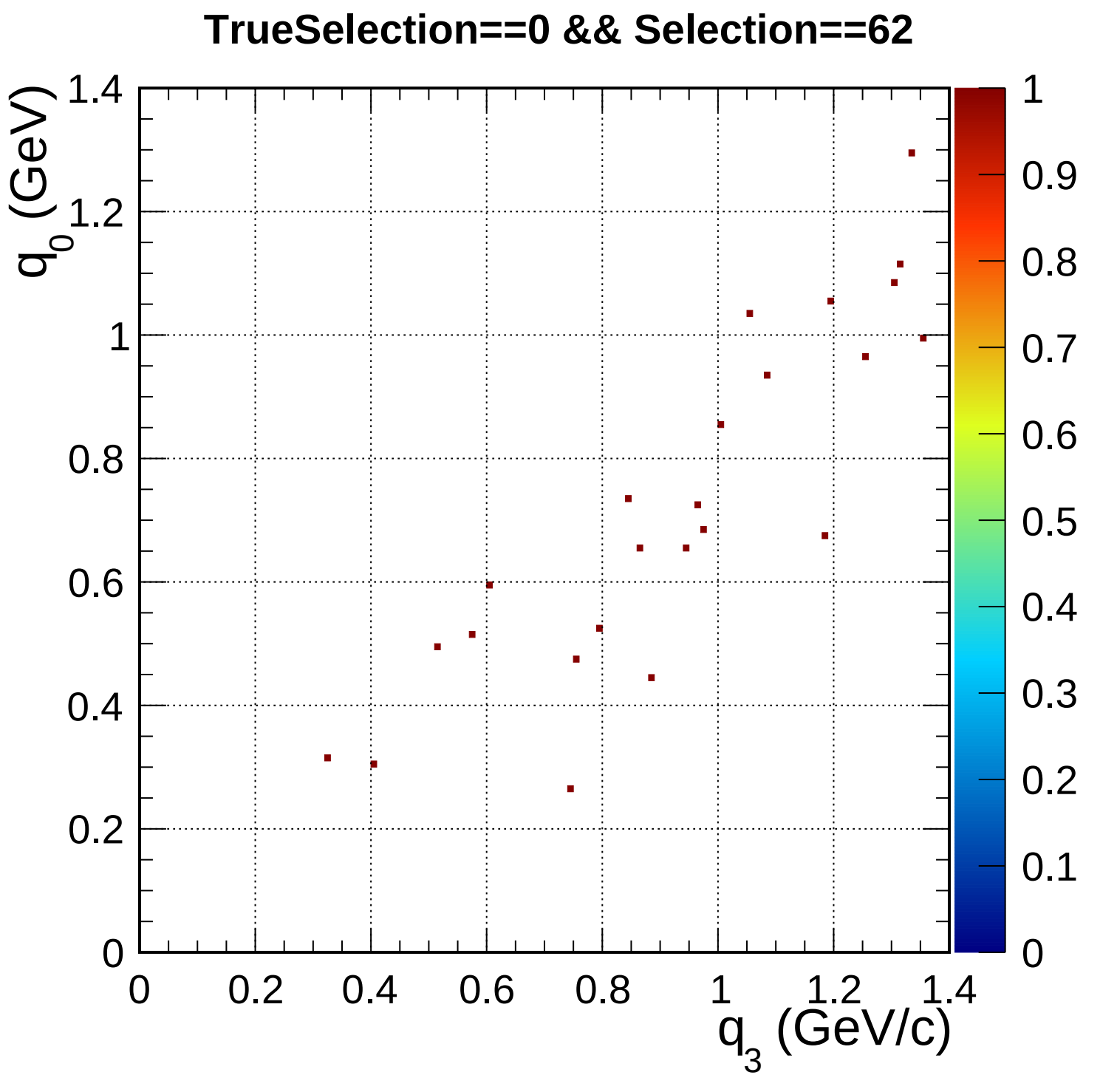

(TrueSelection==0 && Selection==56)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

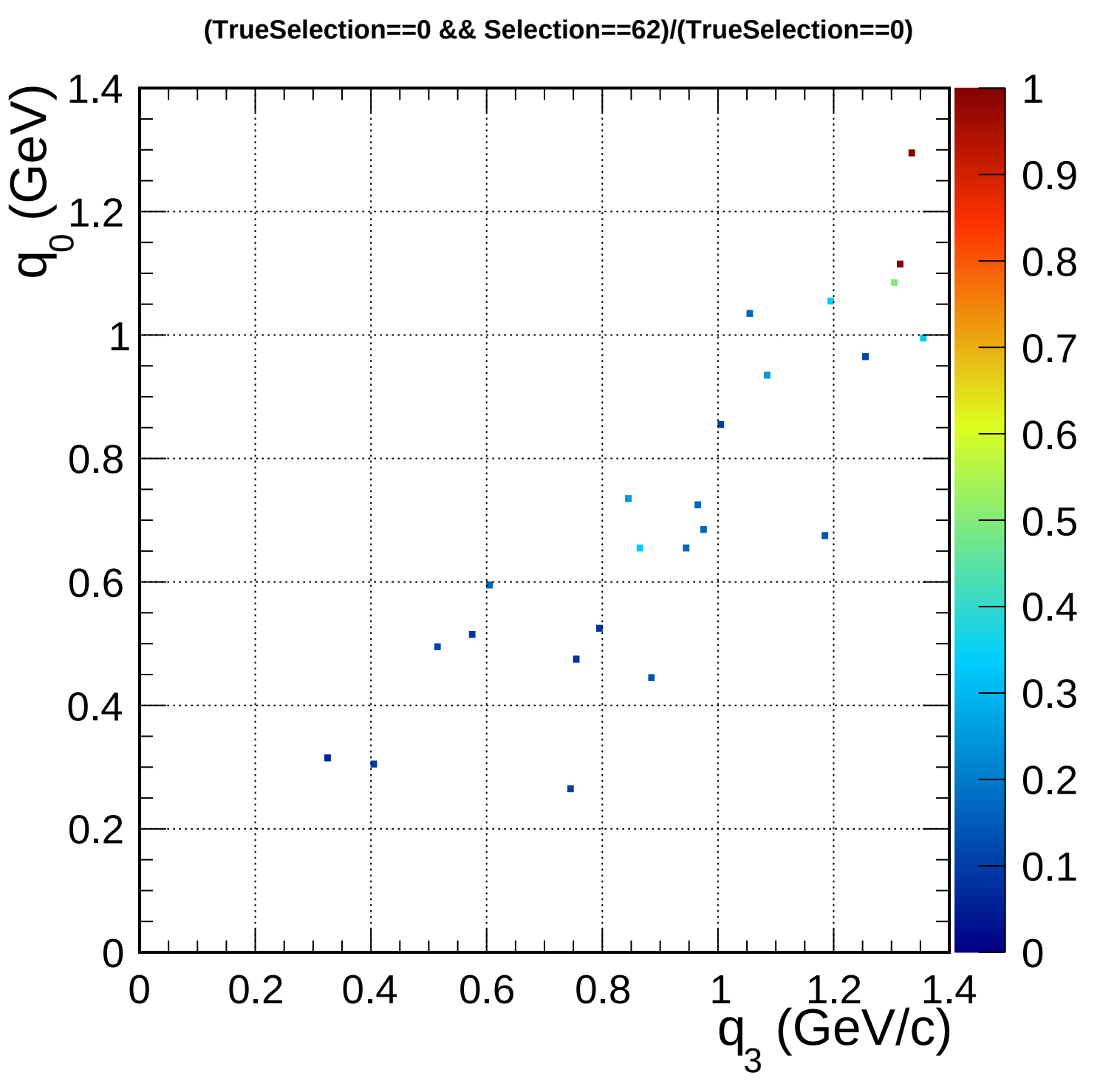

TrueSelection==0 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

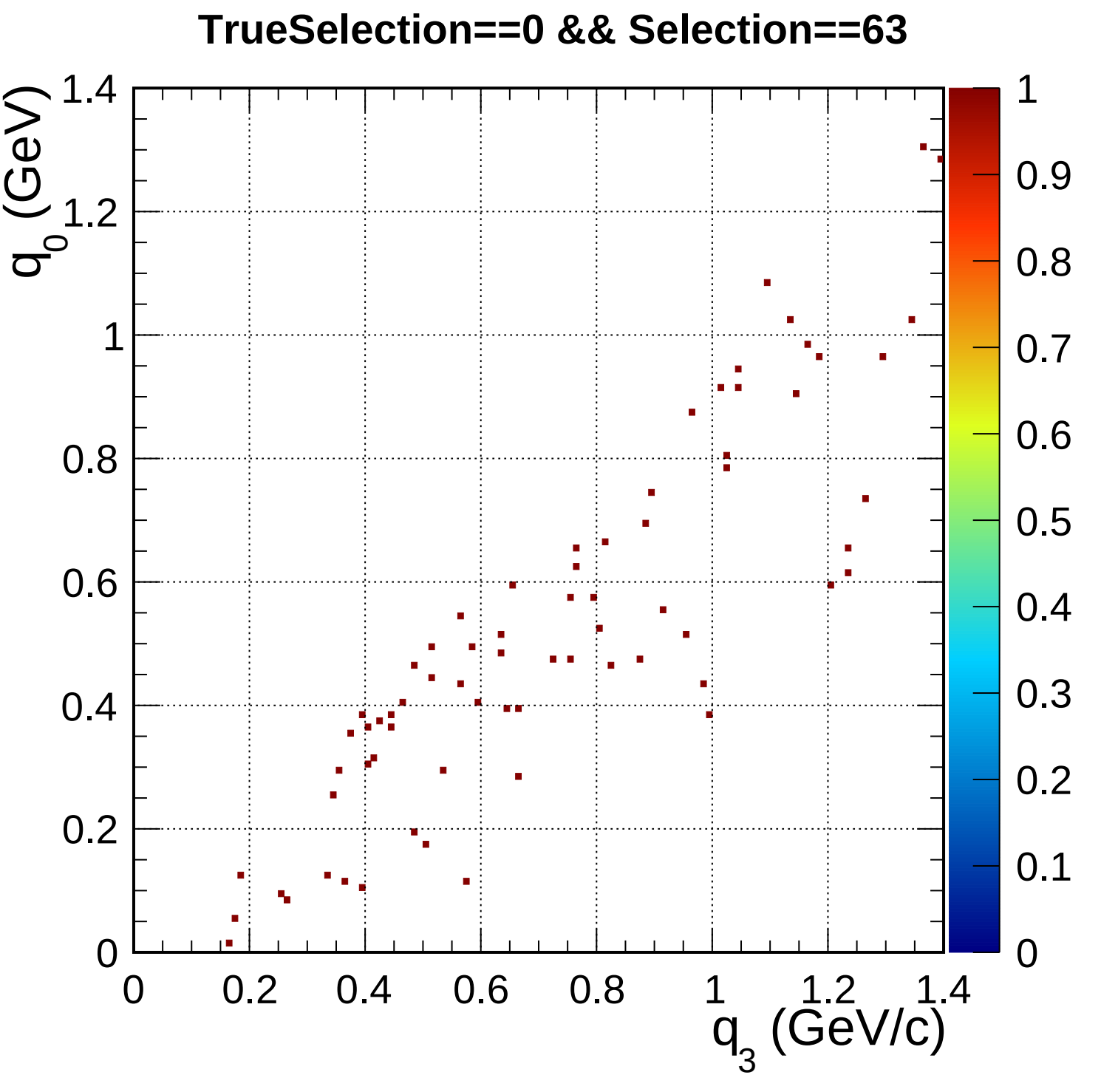

(TrueSelection==0 && Selection==57)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

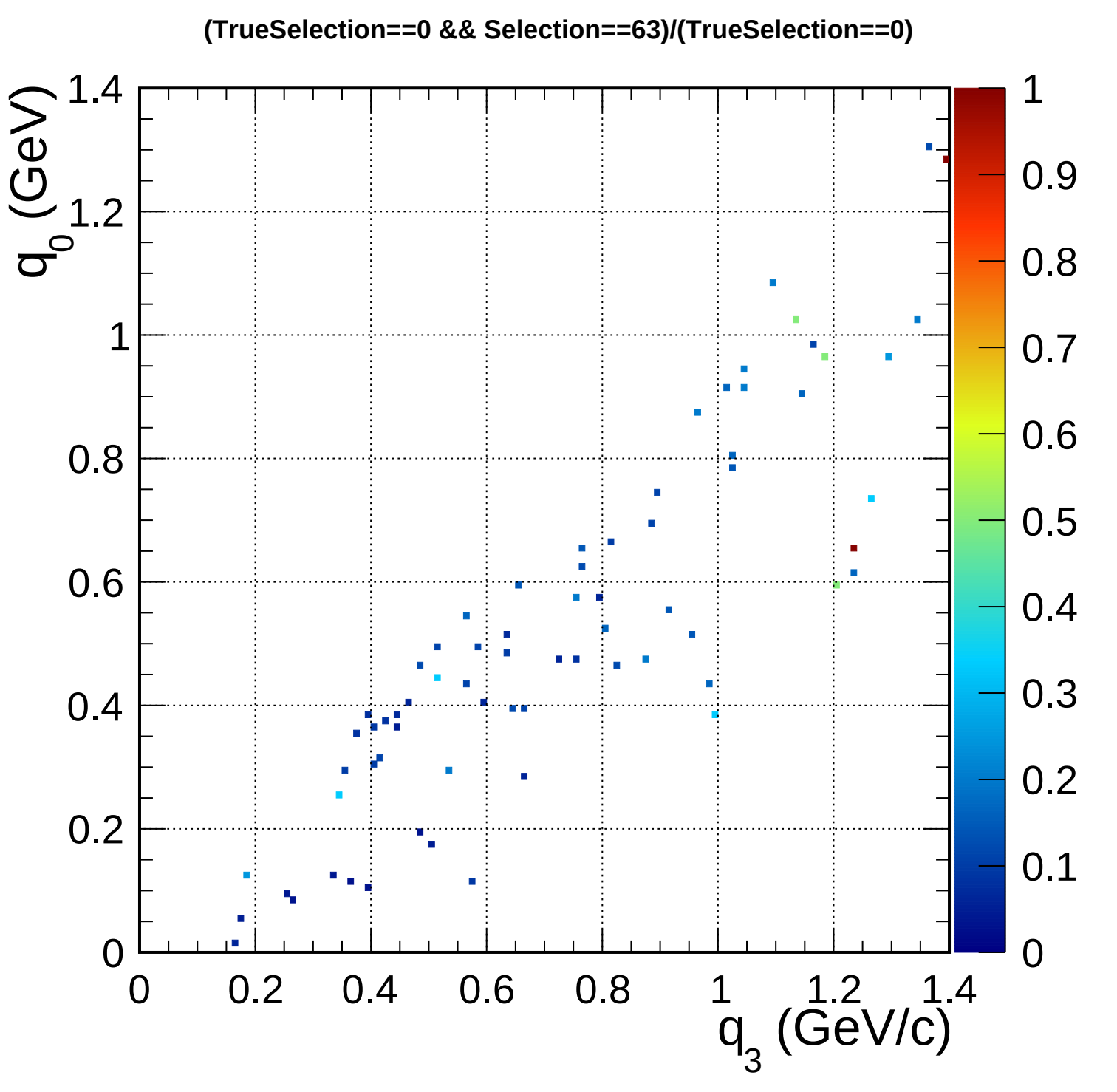

TrueSelection==0 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

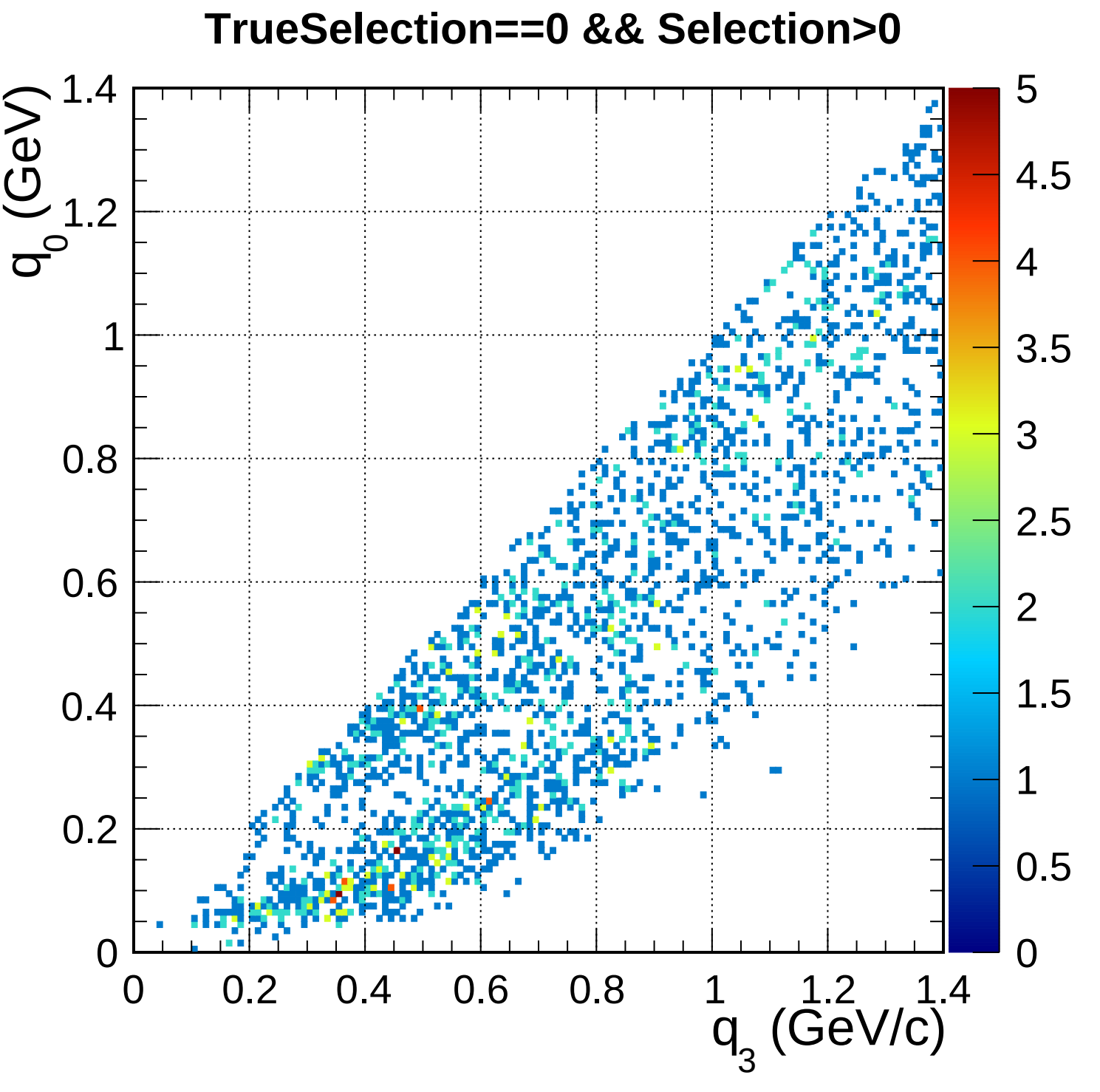

(TrueSelection==0 && Selection==61)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

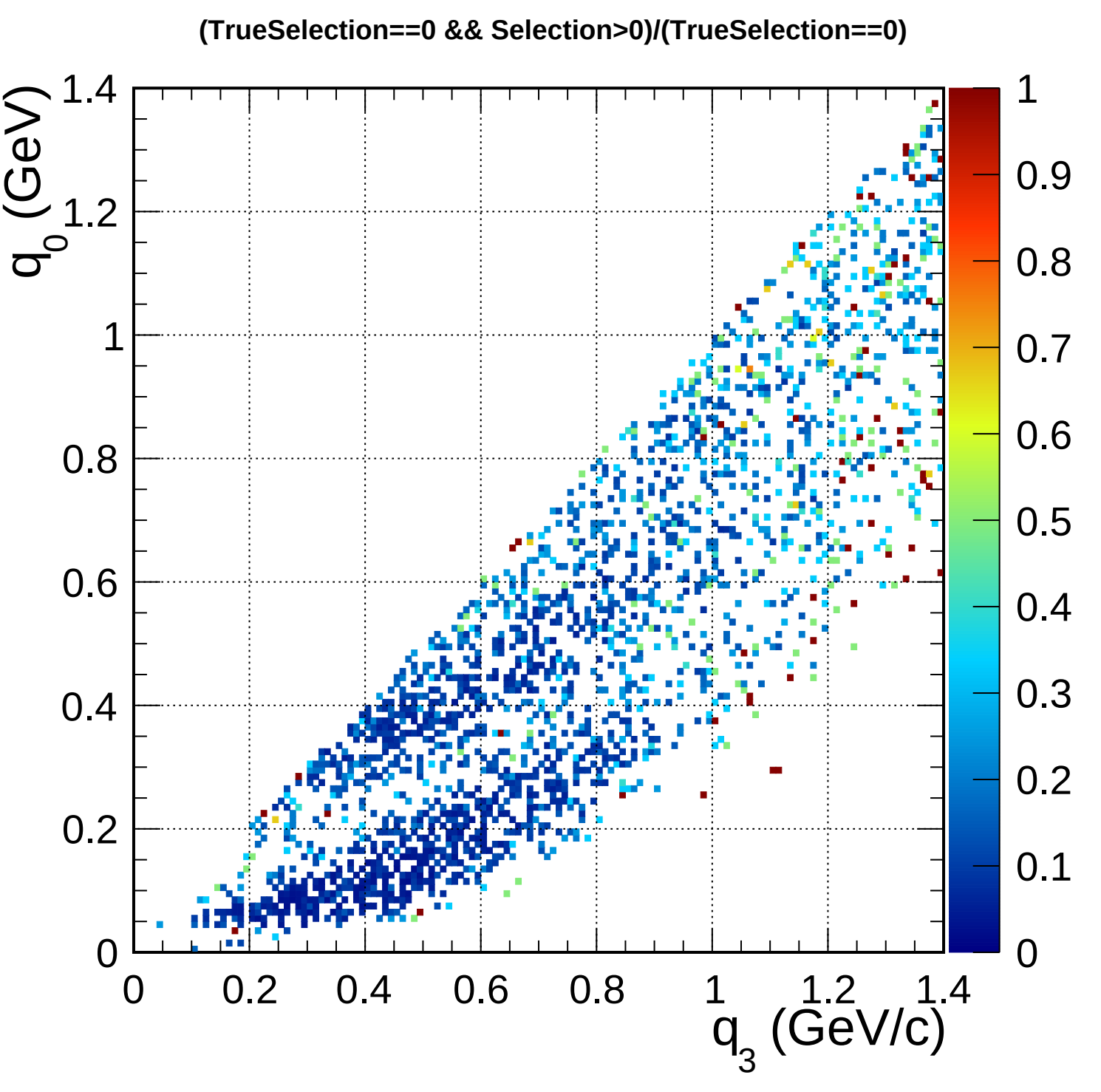

TrueSelection==0 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

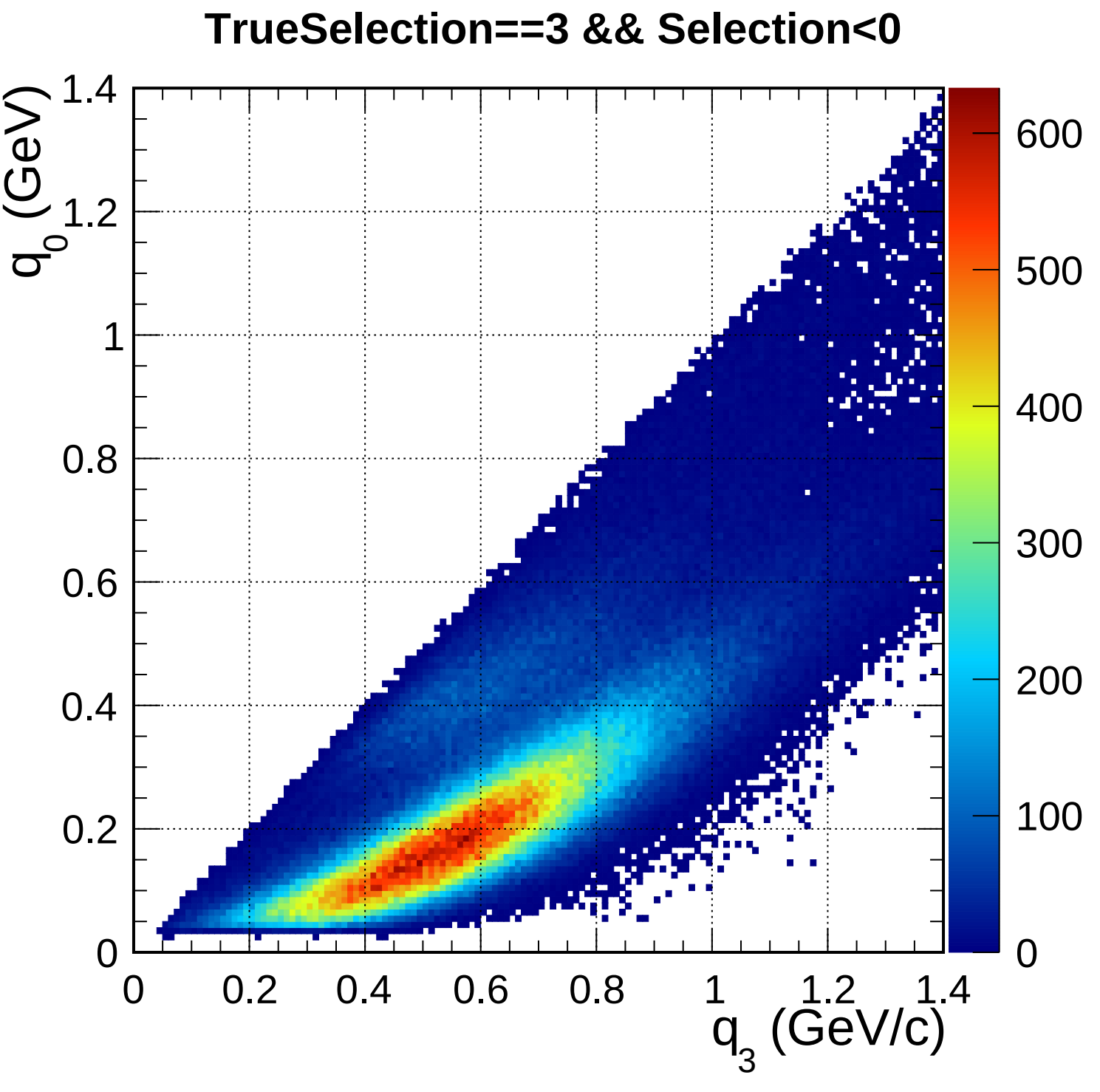

(TrueSelection==0 && Selection==62)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

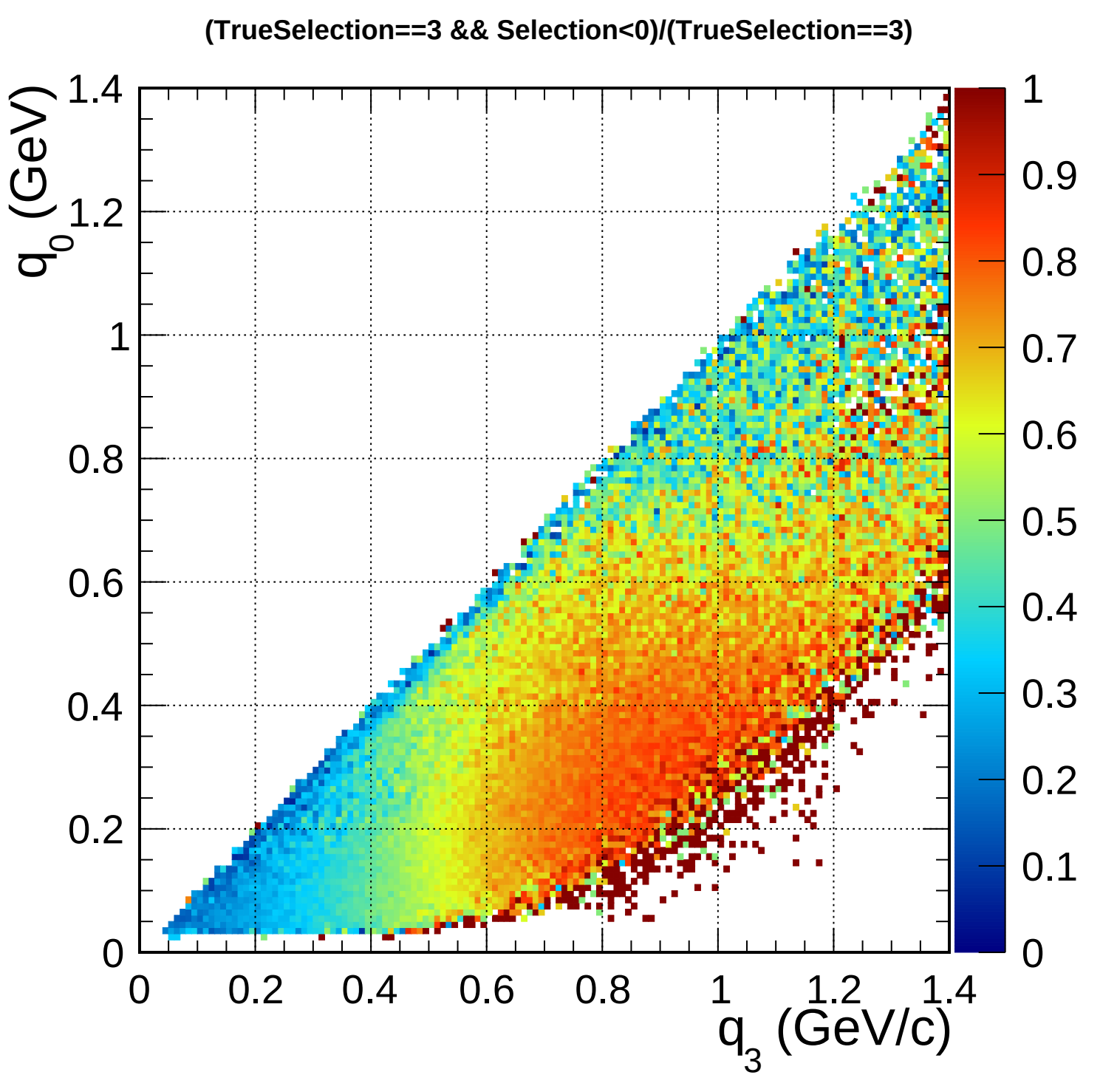

TrueSelection==0 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

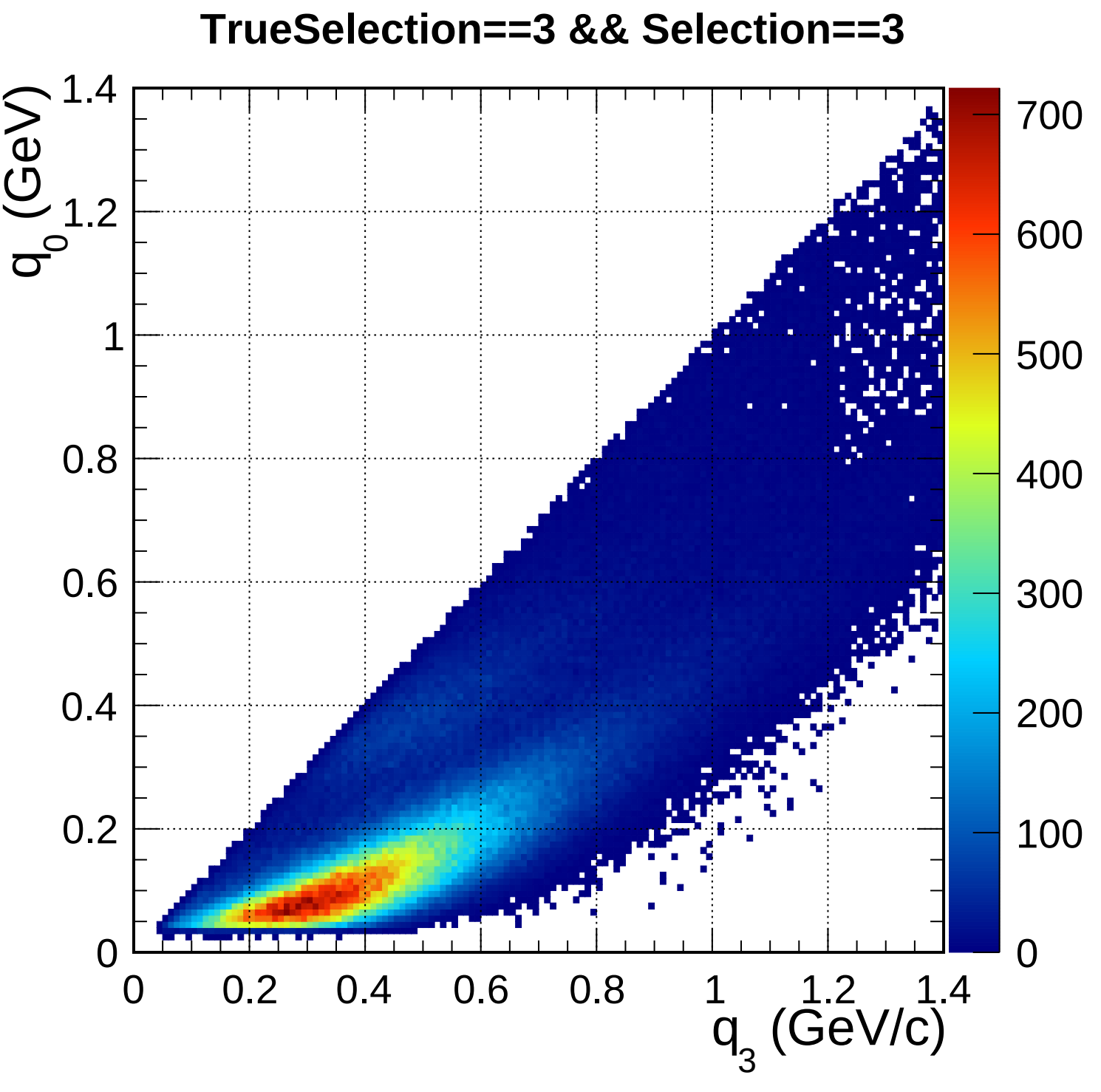

(TrueSelection==0 && Selection==63)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

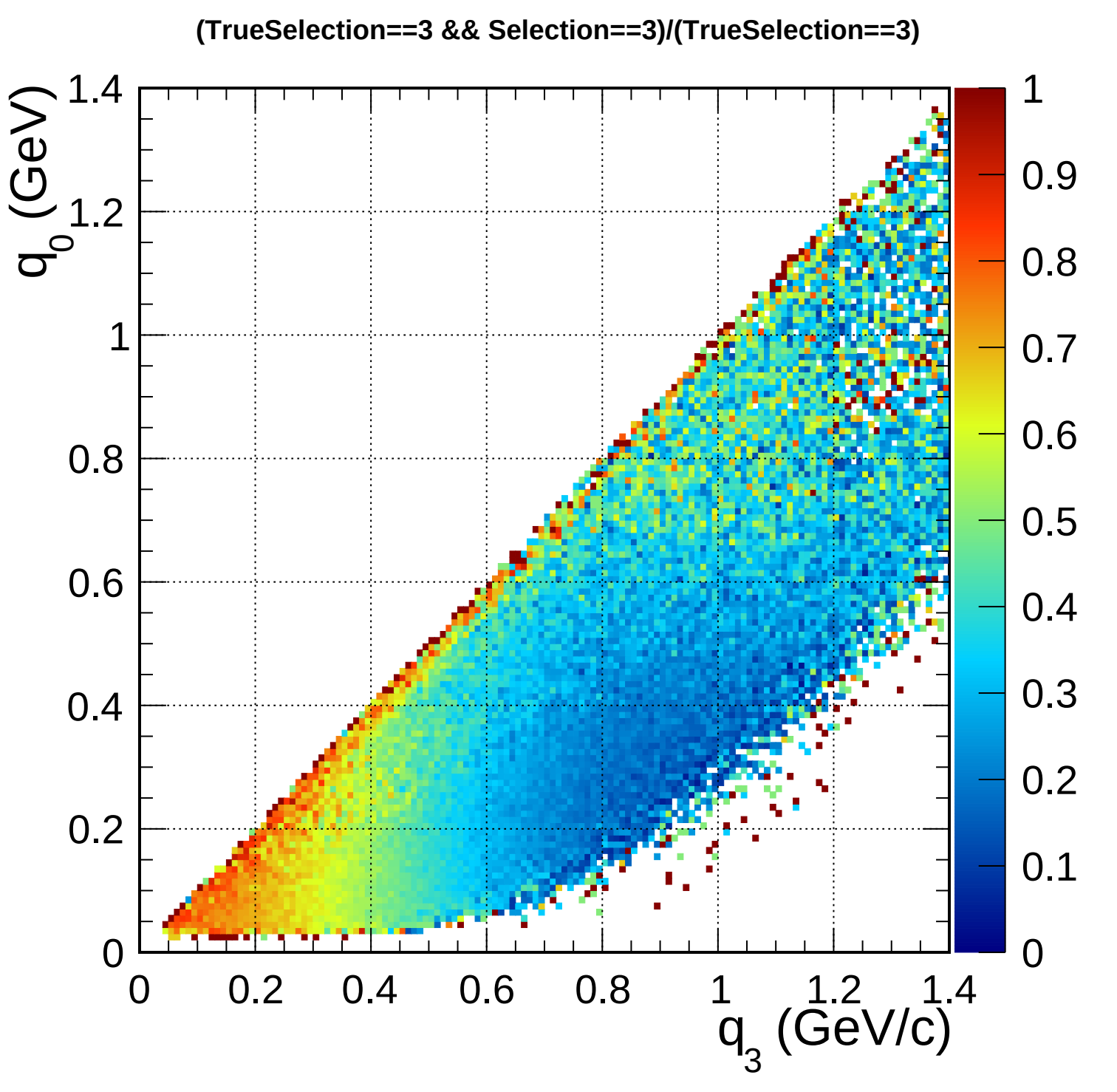

TrueSelection==0 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

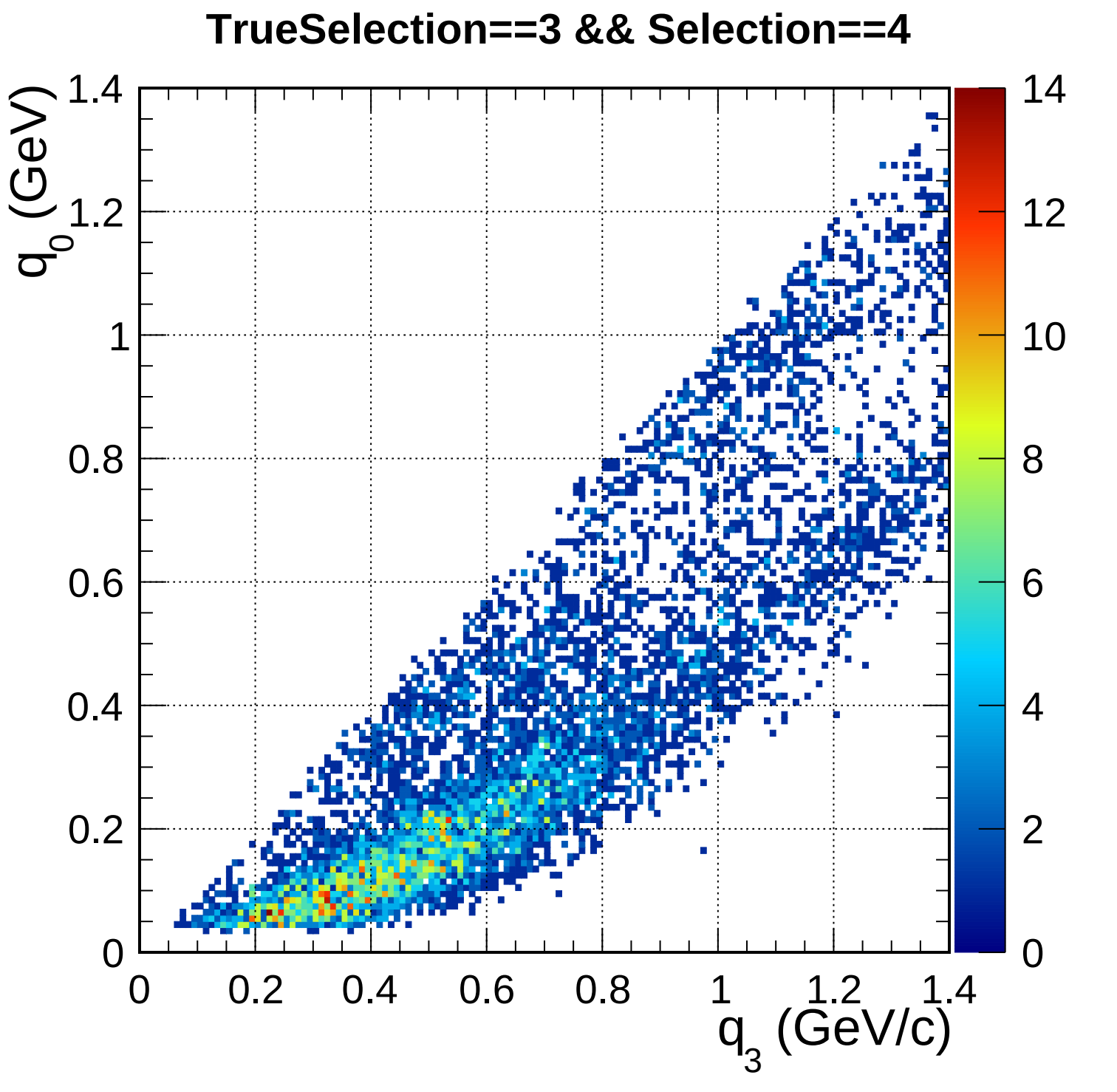

(TrueSelection==0 && Selection>0)/(TrueSelection==0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

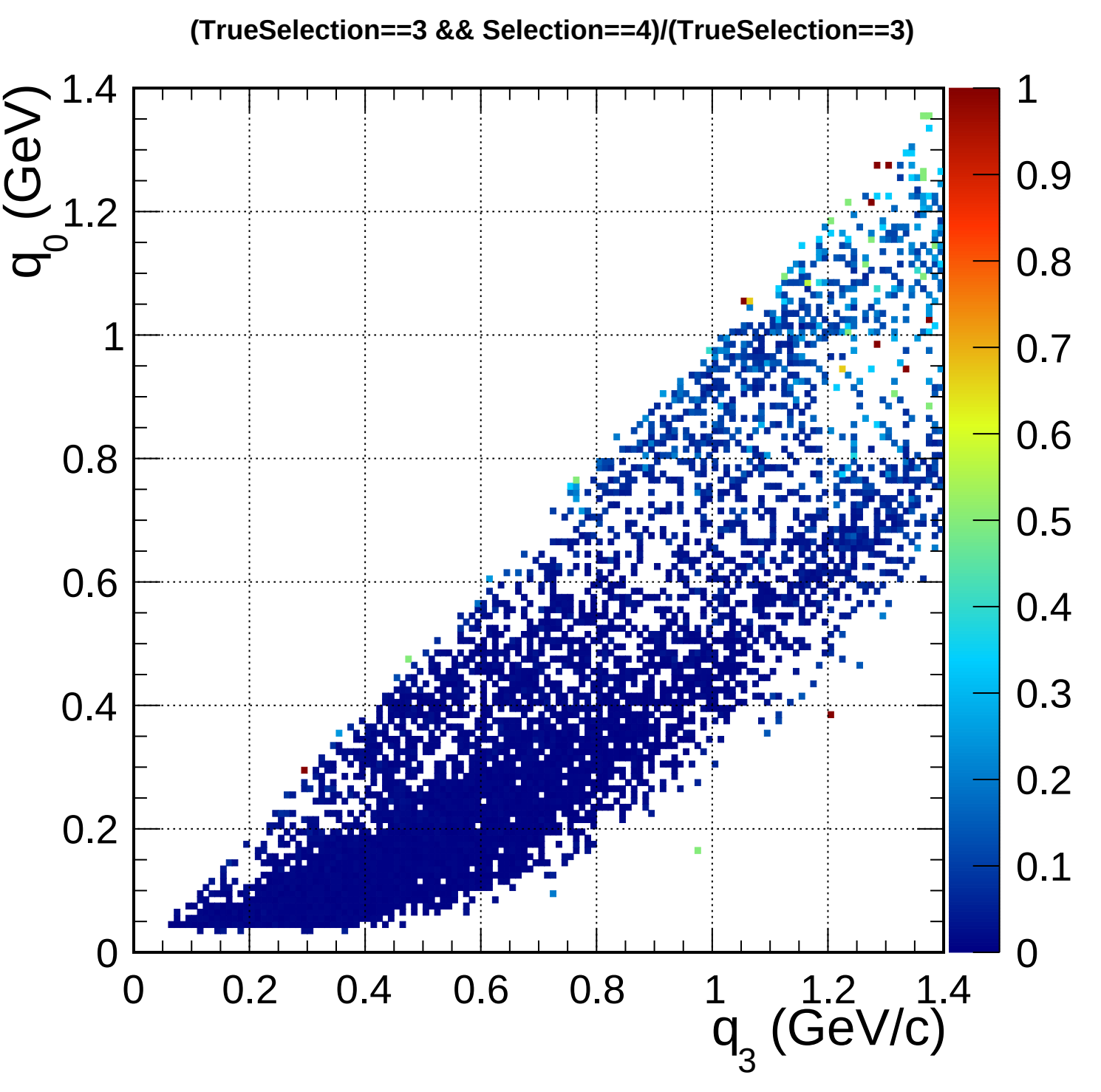

TrueSelection==3 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600

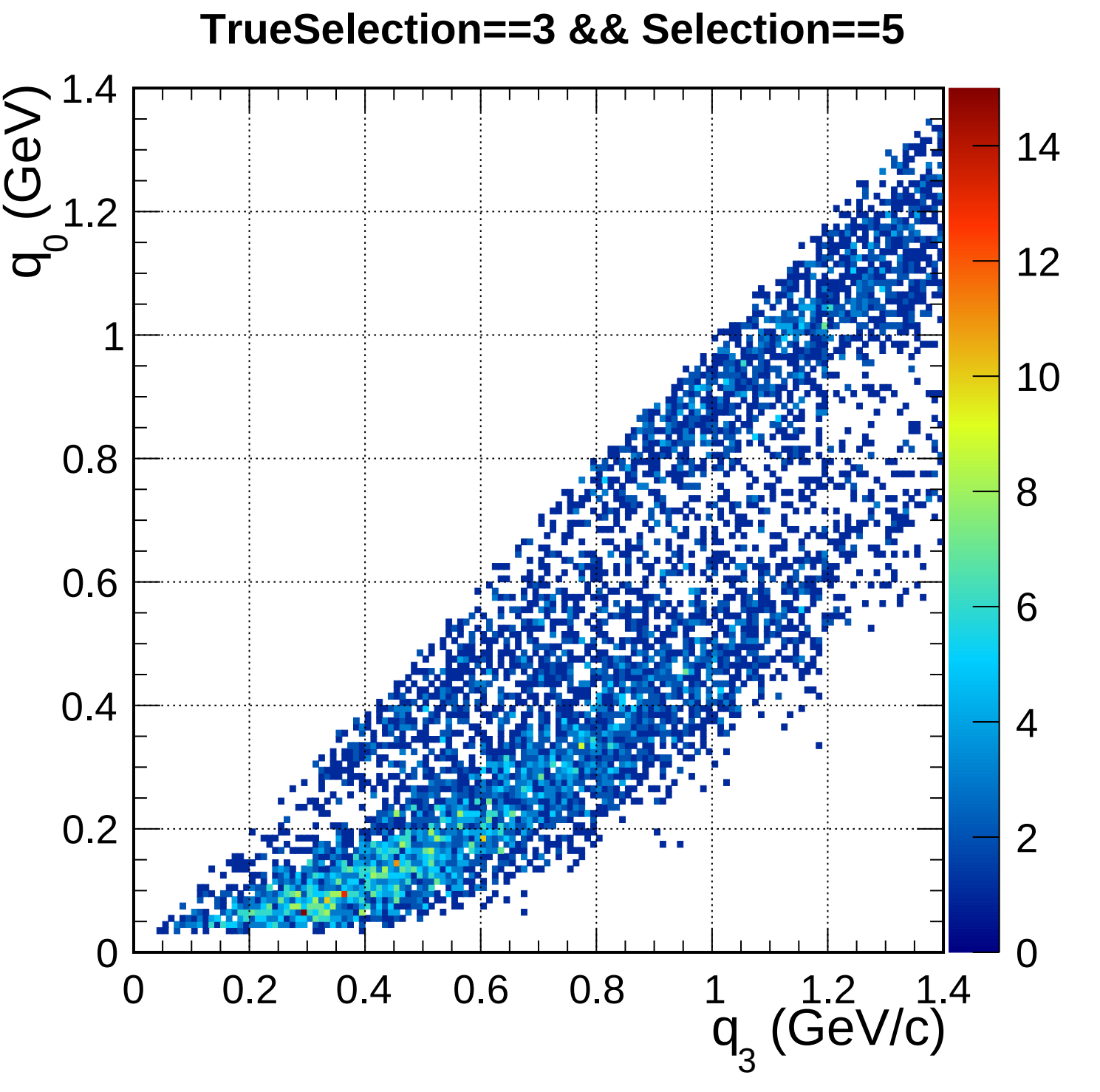

(TrueSelection==3 && Selection<0)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

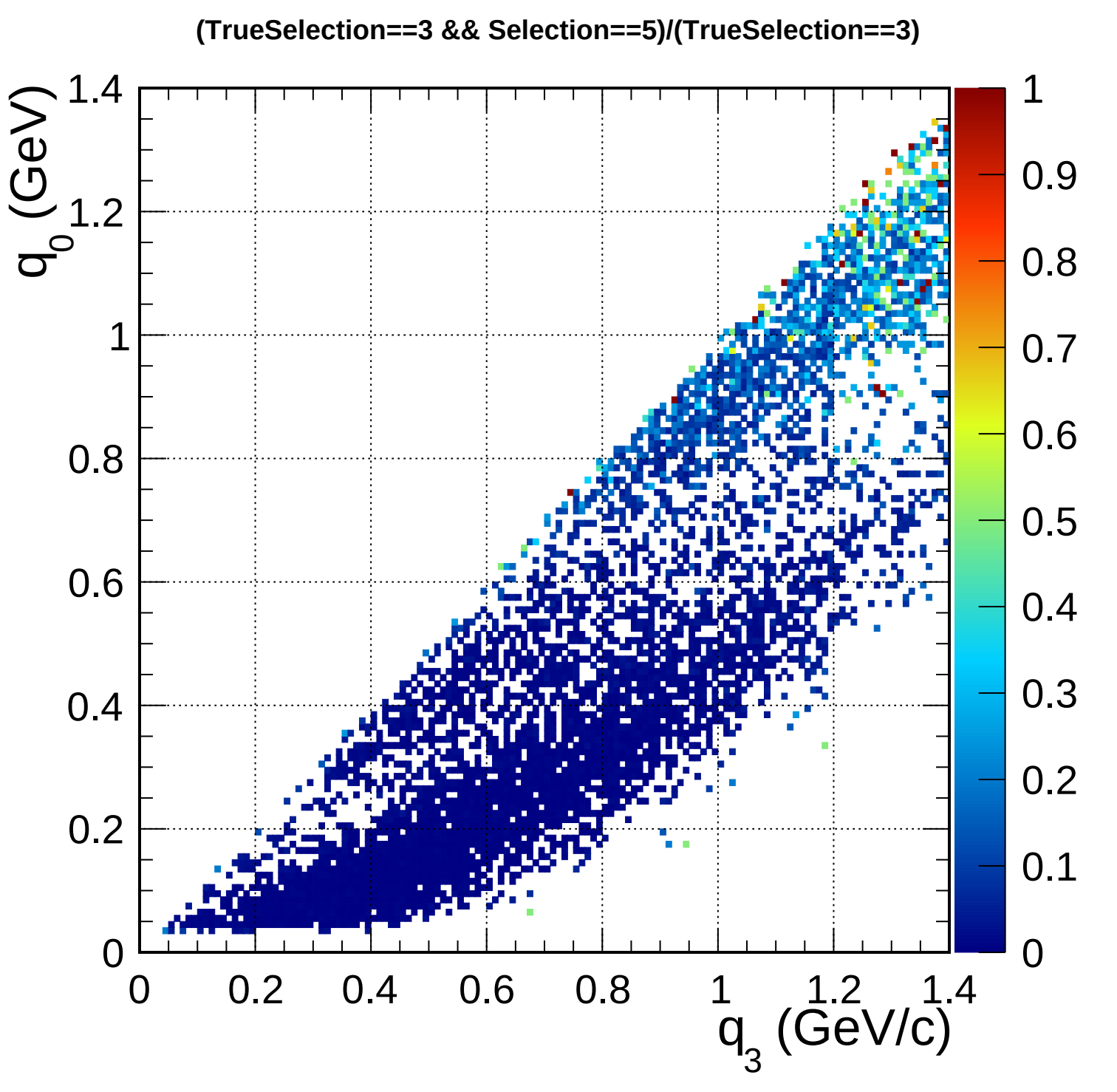

TrueSelection==3 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600
700

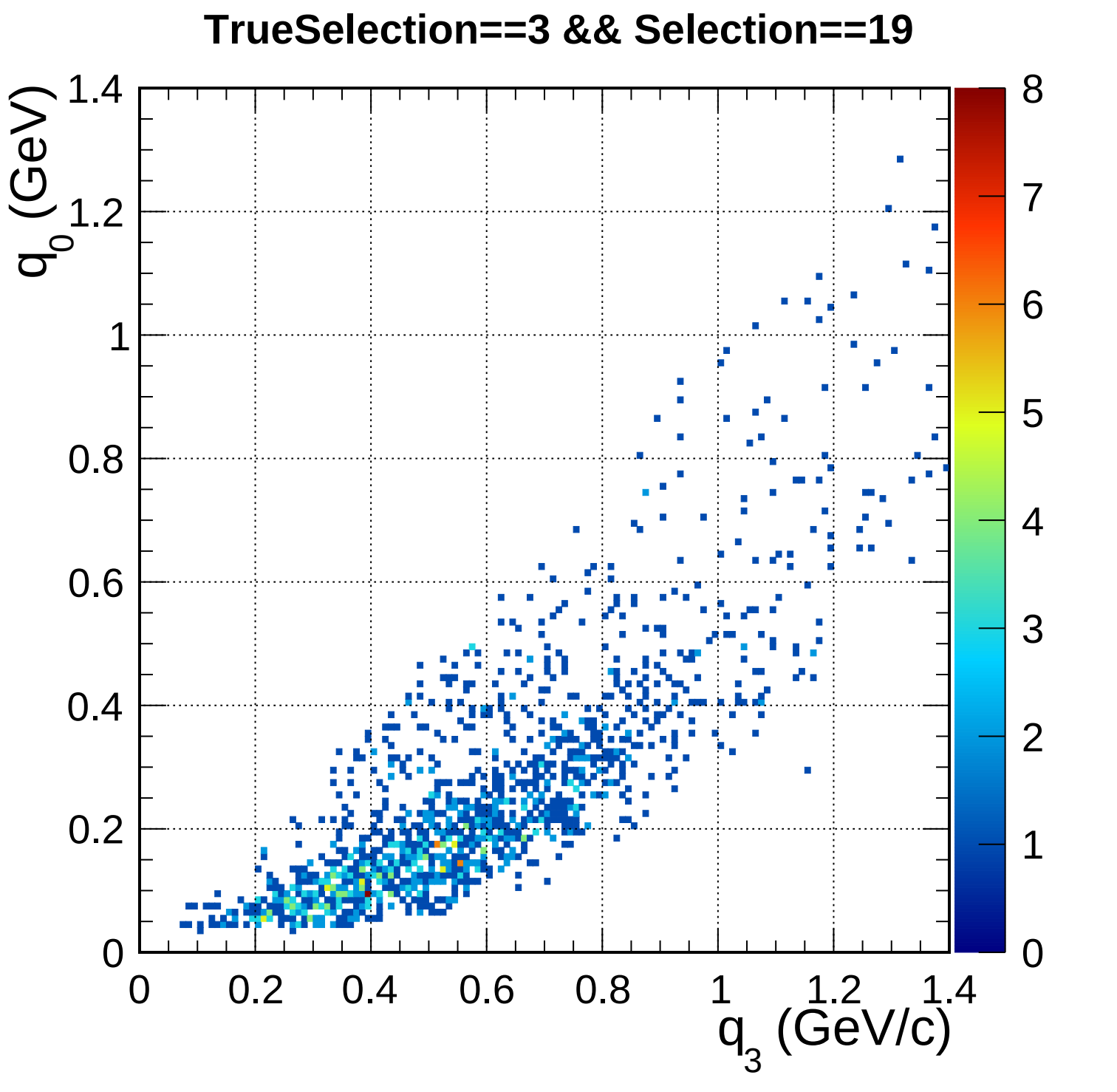

(TrueSelection==3 && Selection==3)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

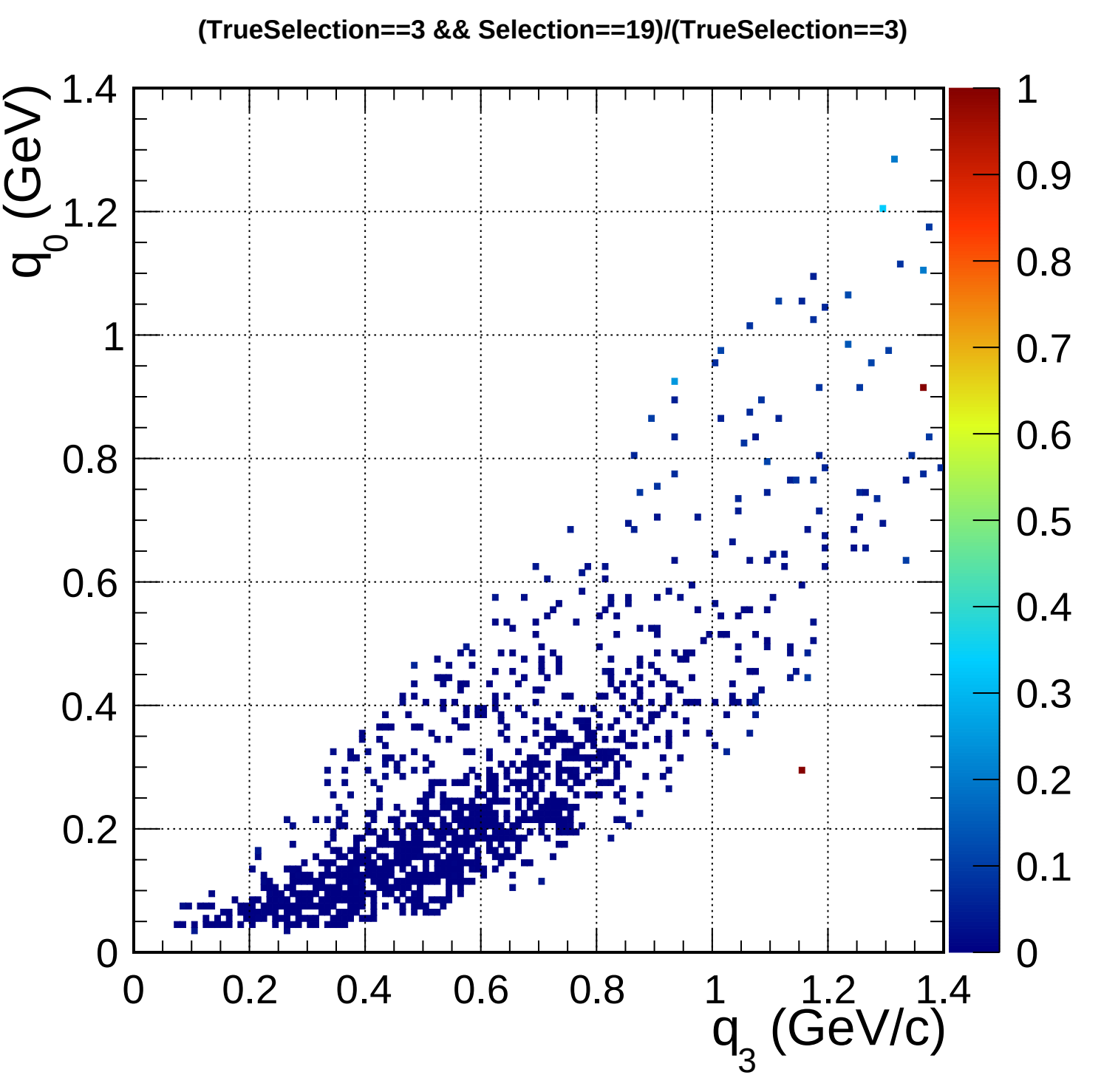

TrueSelection==3 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14

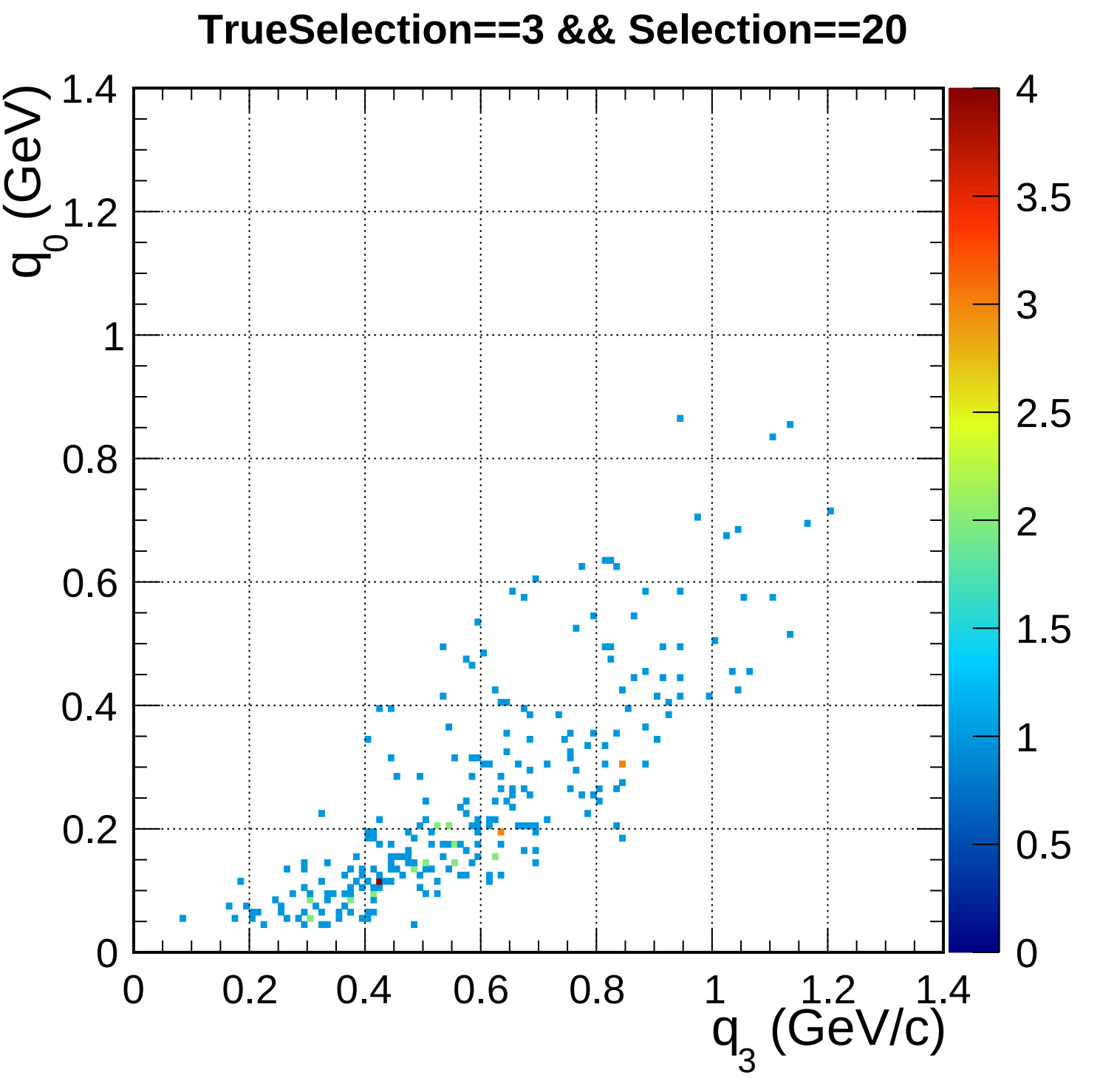

(TrueSelection==3 && Selection==4)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

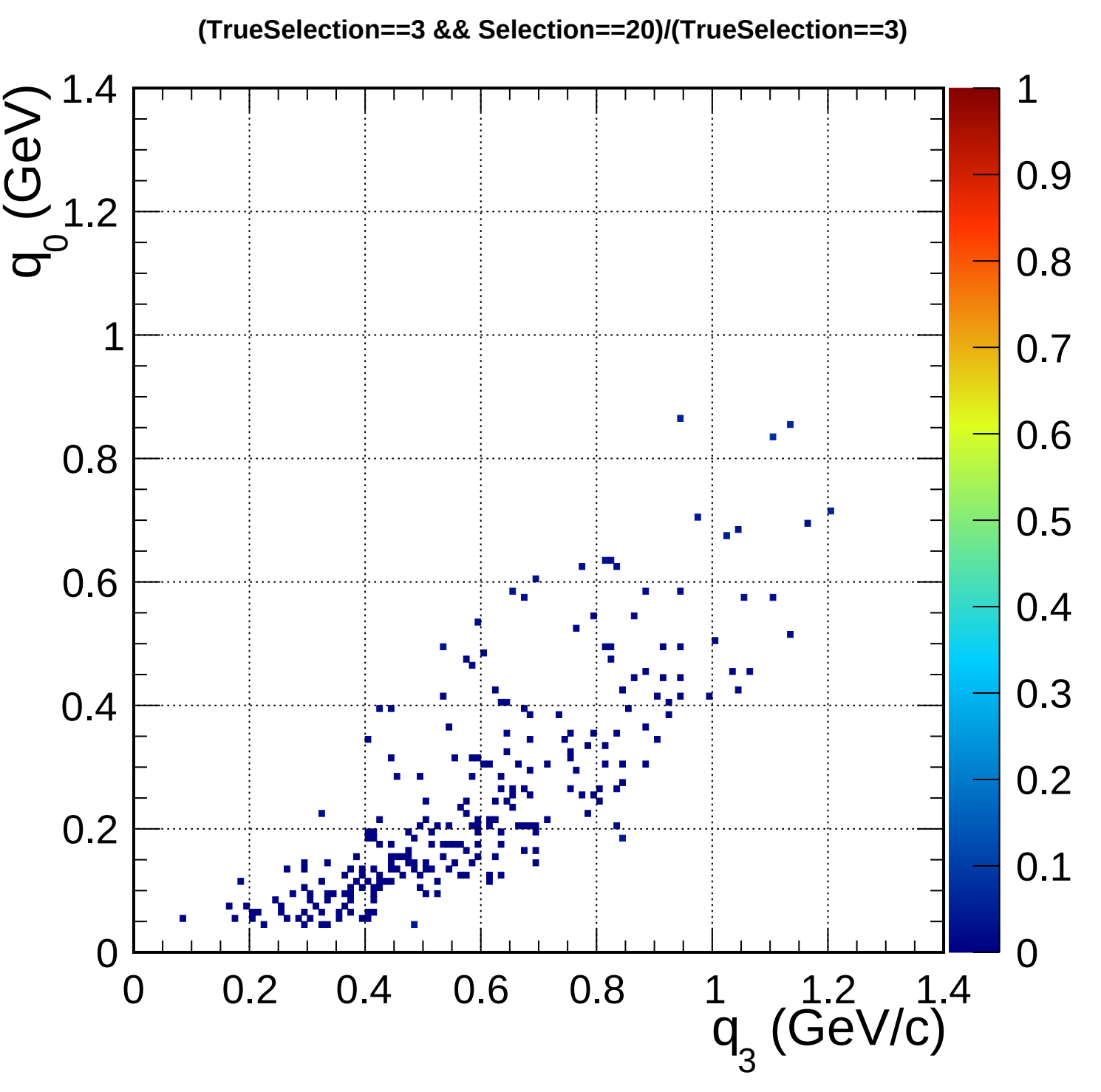

TrueSelection==3 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14

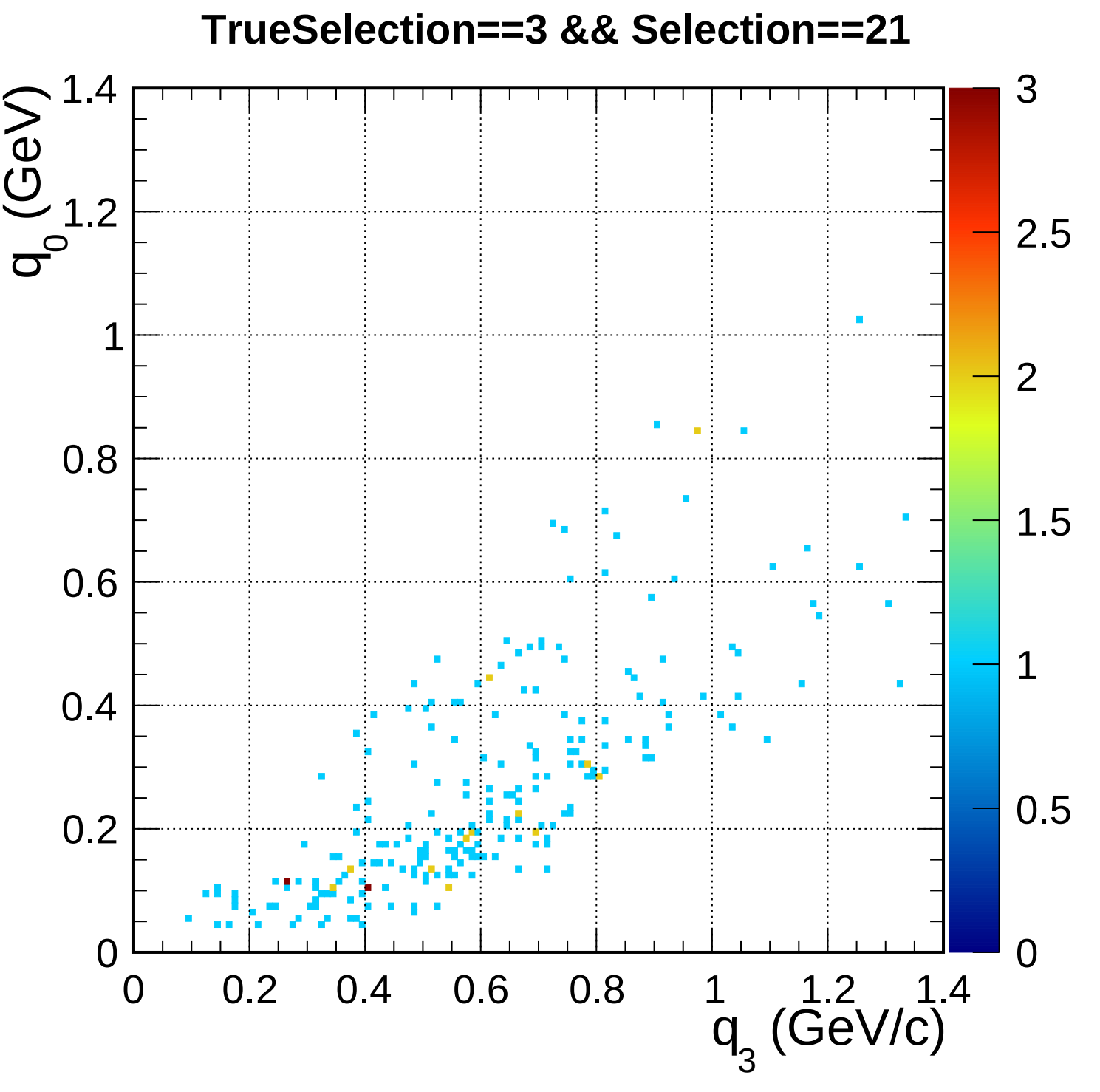

(TrueSelection==3 && Selection==5)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

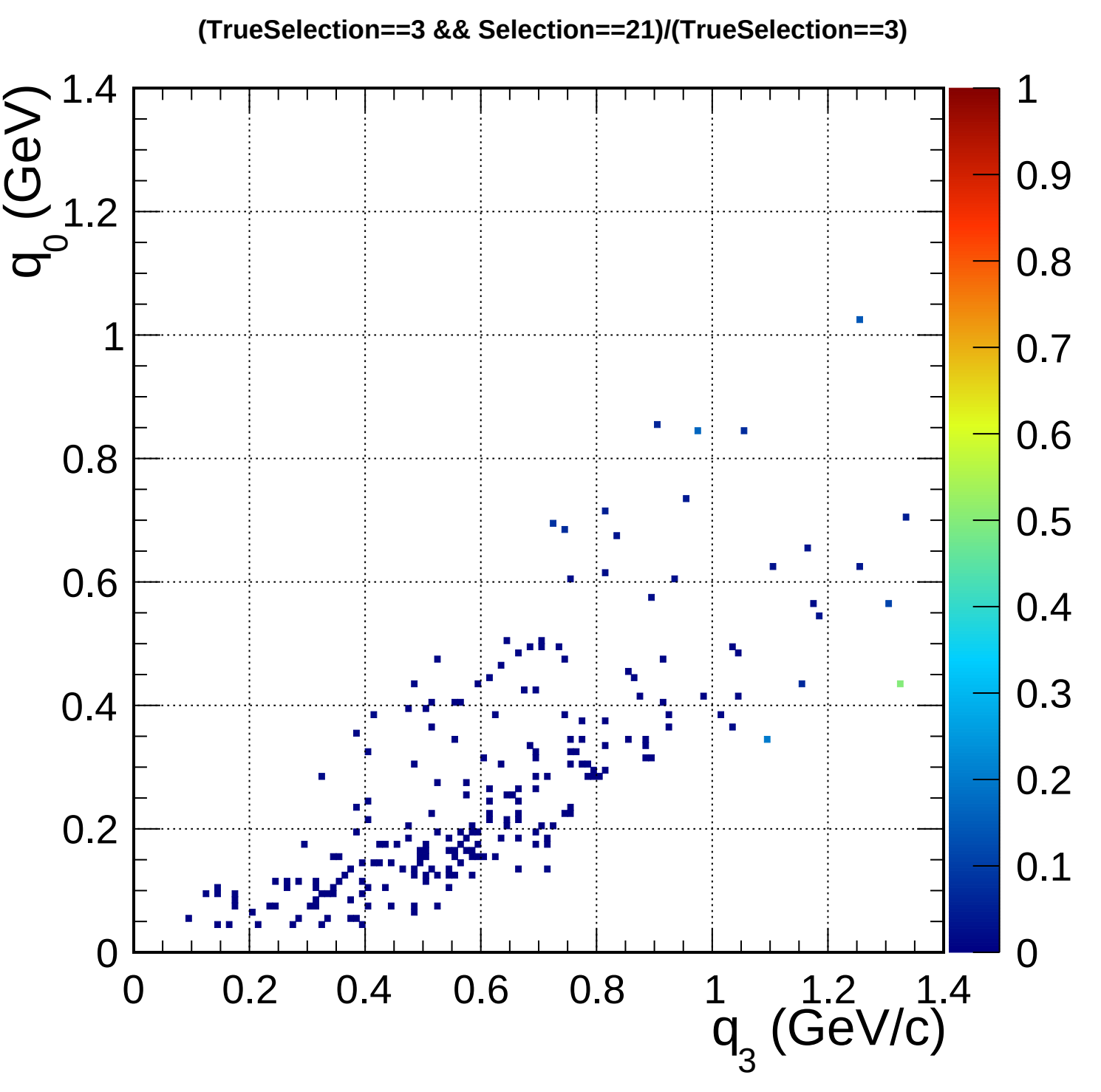

TrueSelection==3 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8

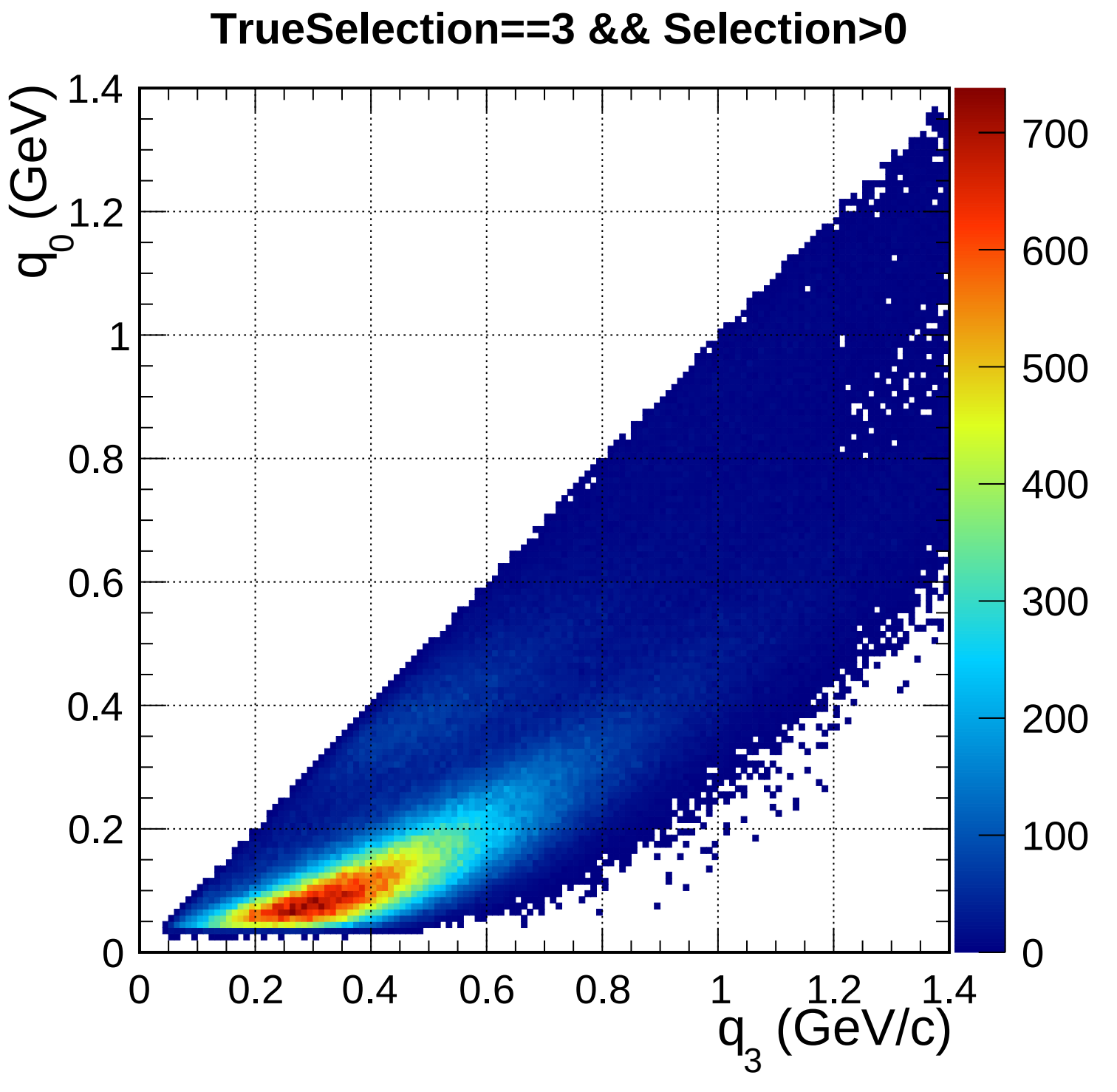

(TrueSelection==3 && Selection==19)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

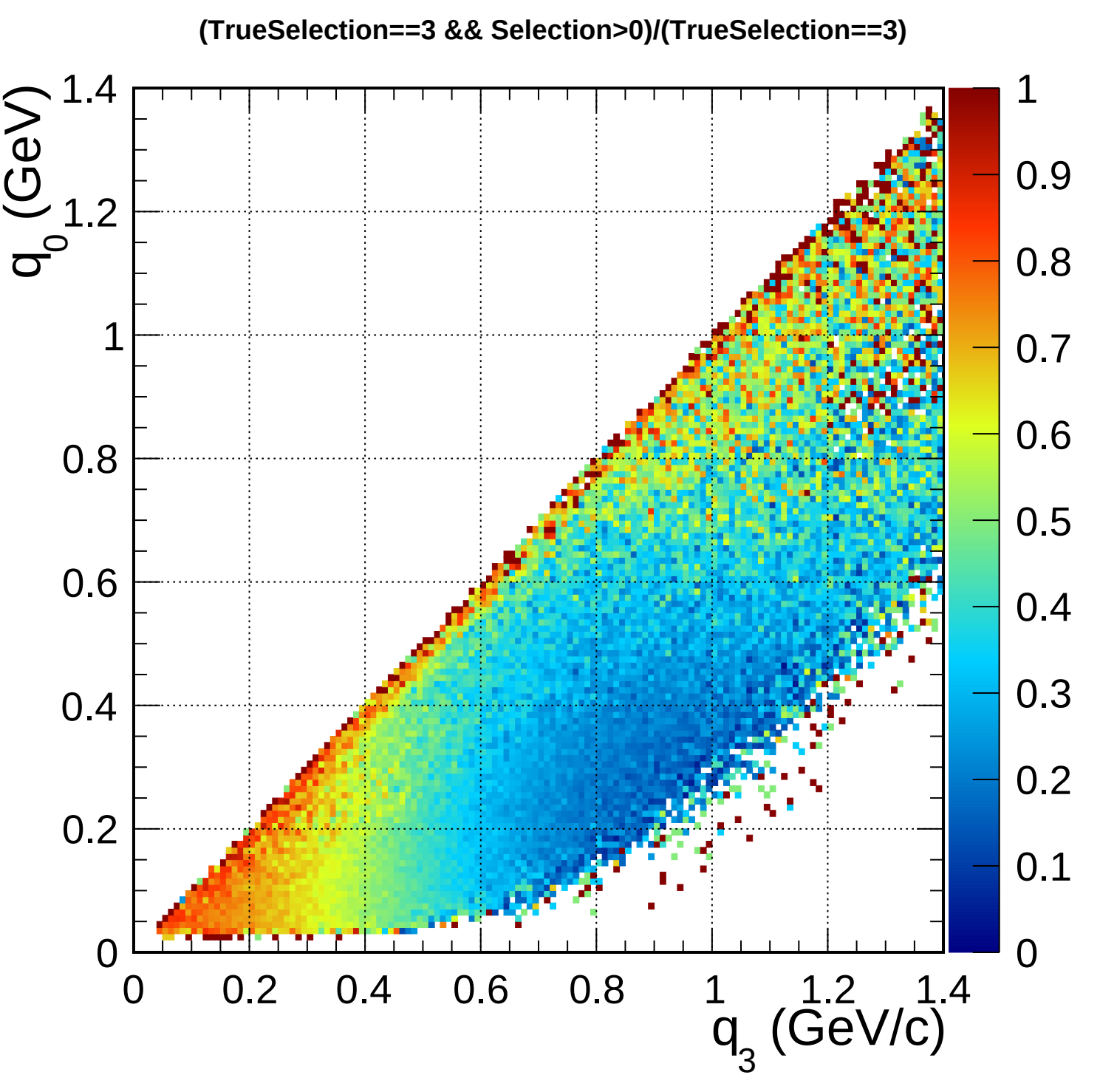

TrueSelection==3 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

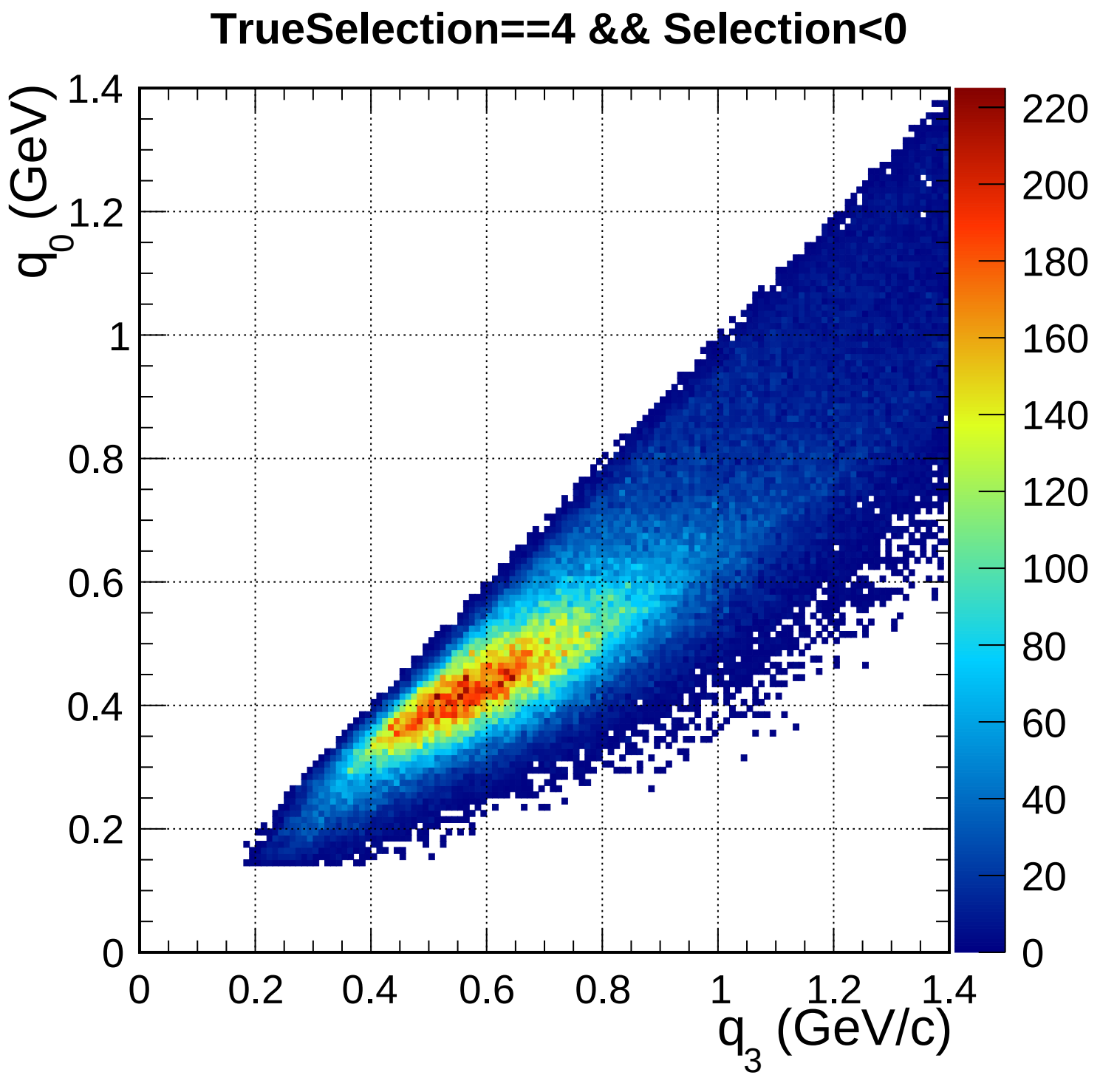

(TrueSelection==3 && Selection==20)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

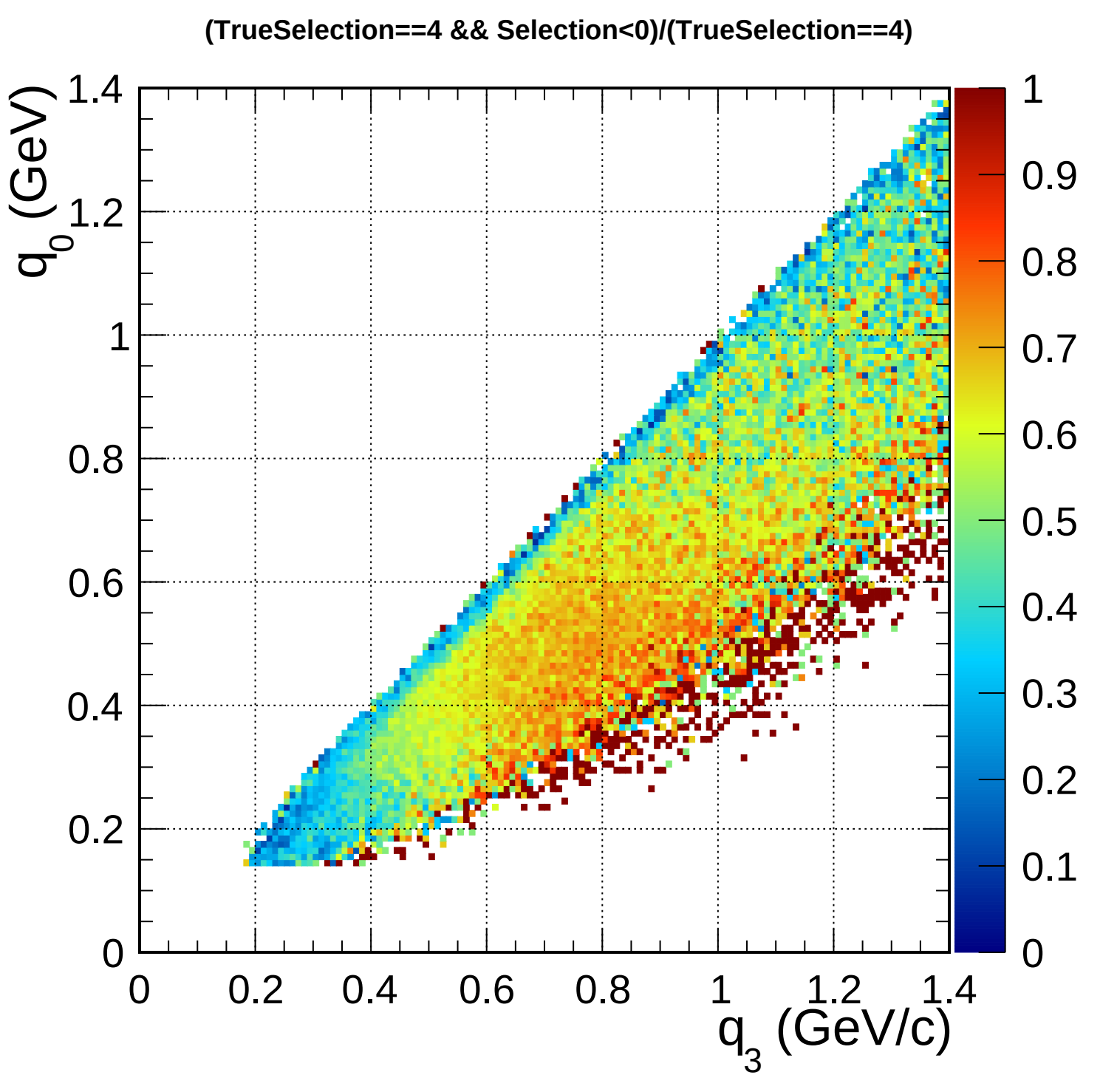

TrueSelection==3 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

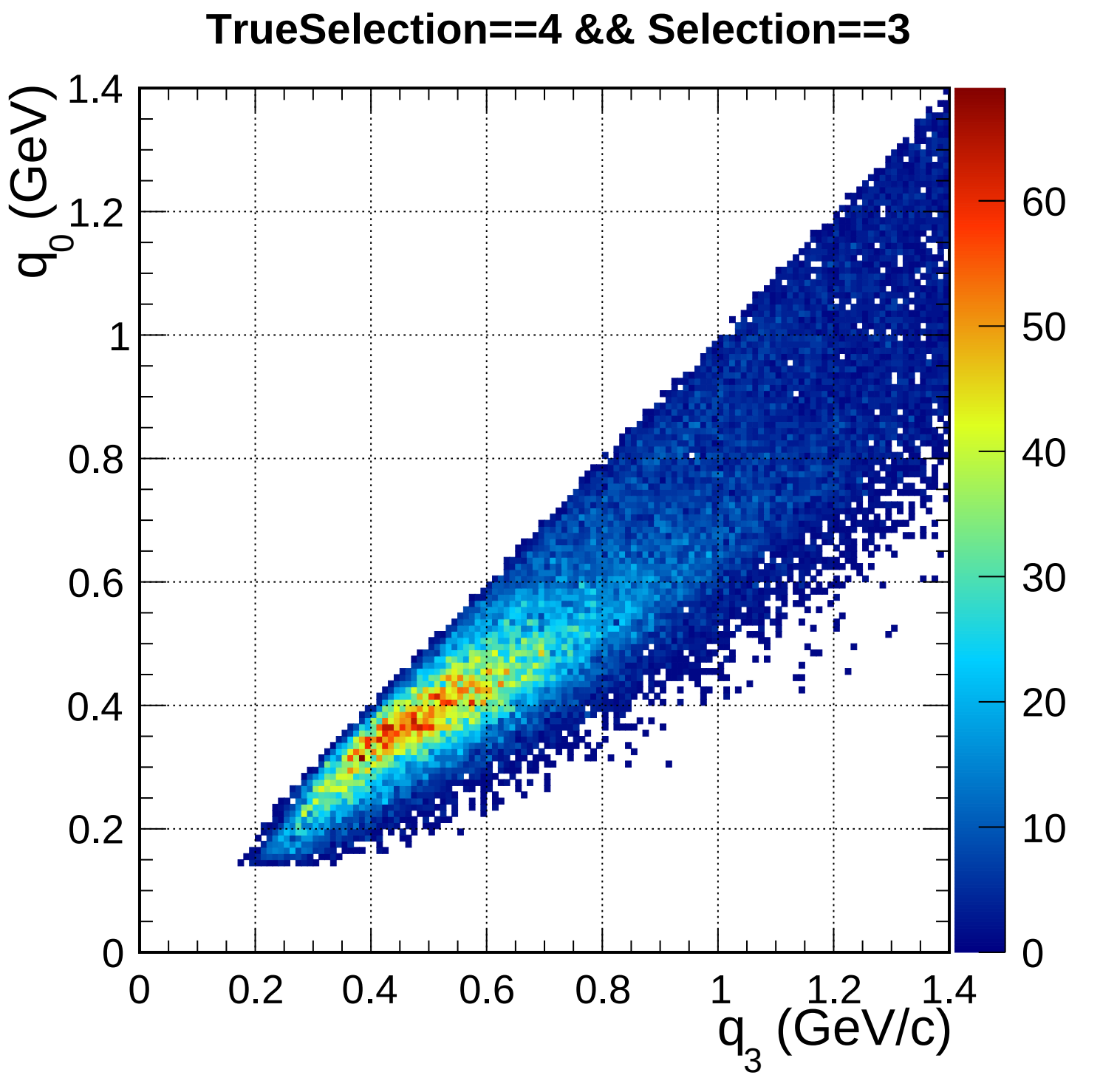

(TrueSelection==3 && Selection==21)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

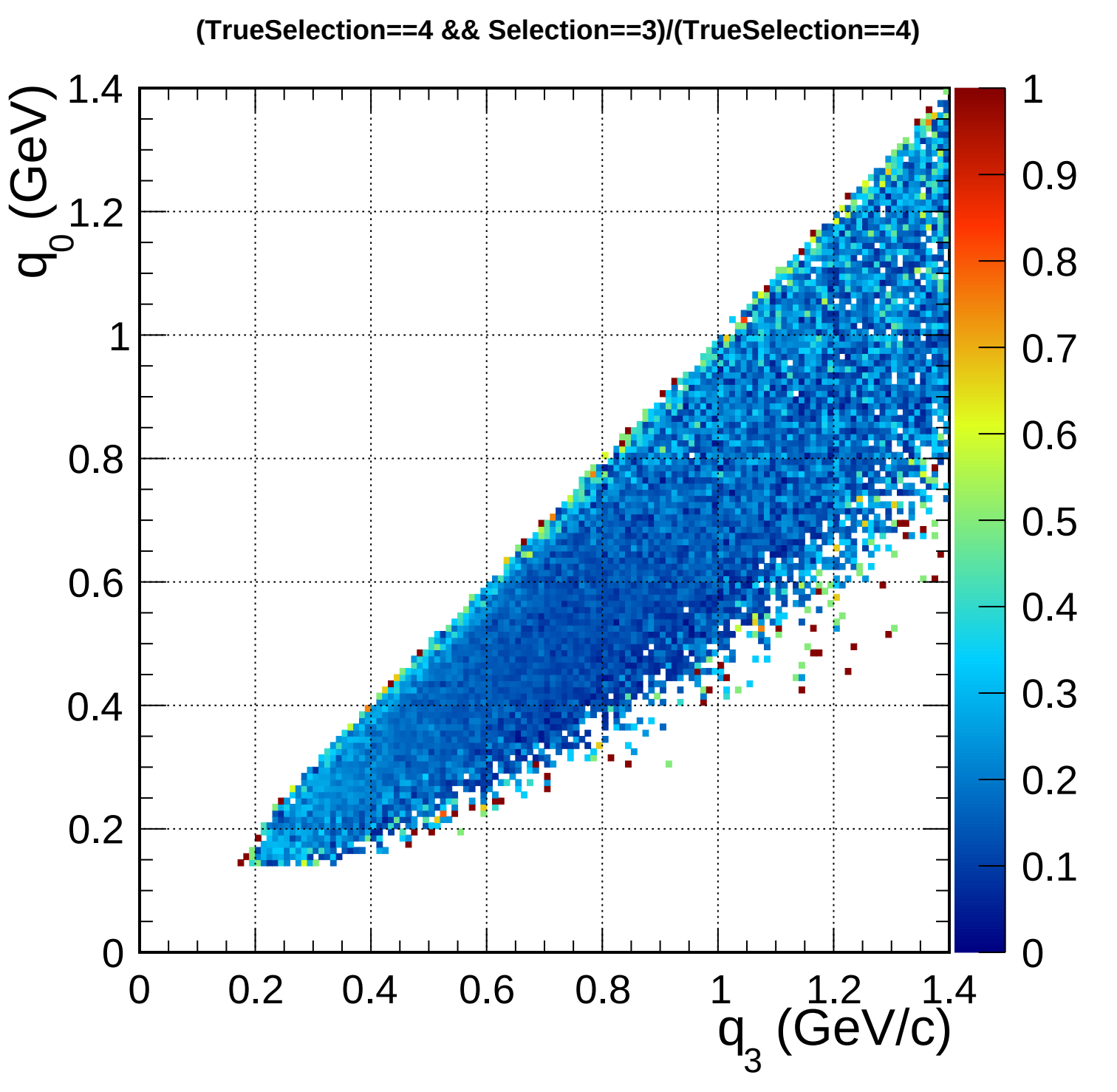

TrueSelection==3 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600
700

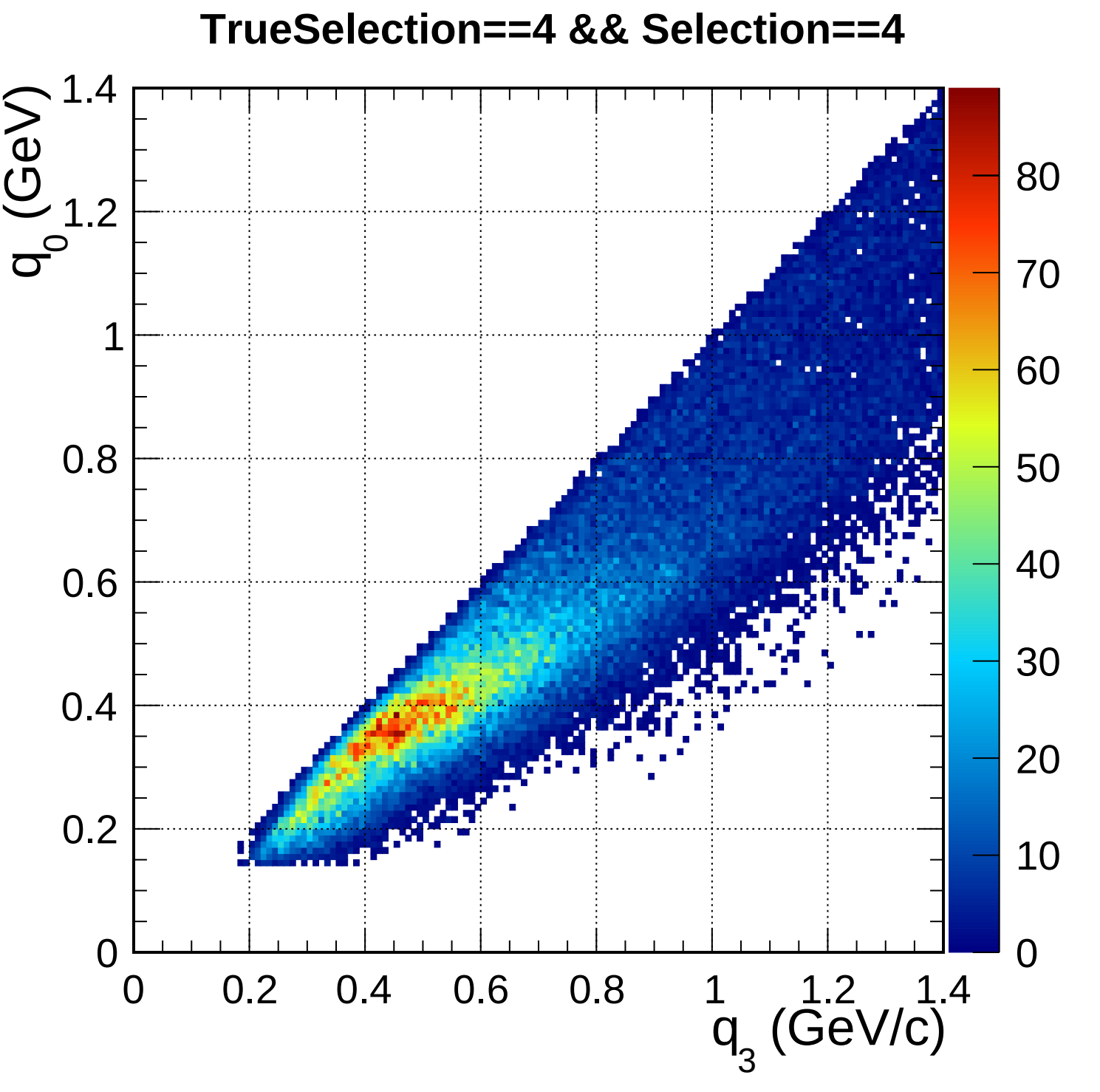

(TrueSelection==3 && Selection>0)/(TrueSelection==3)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

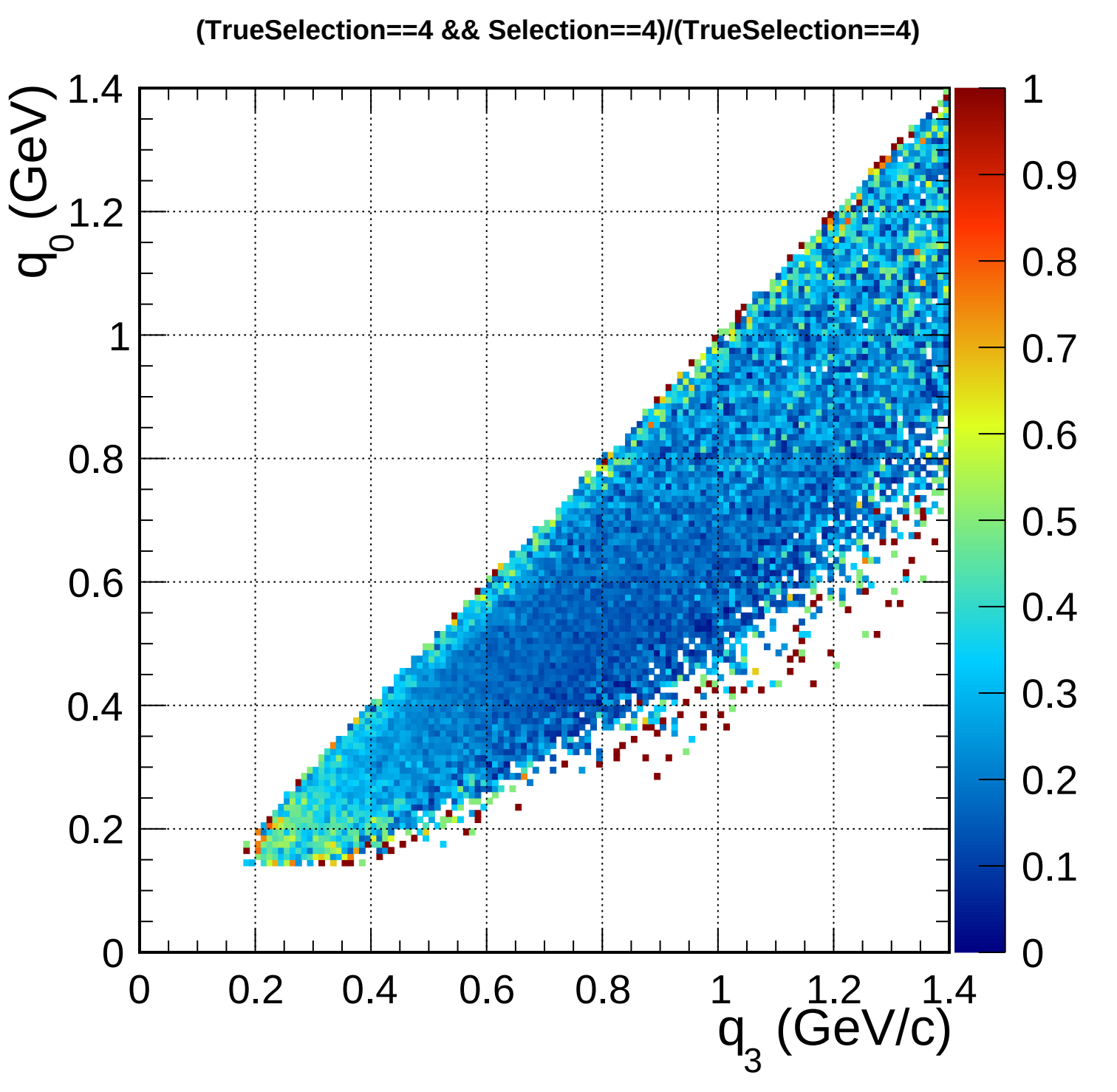

TrueSelection==4 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140
160
180
200
220

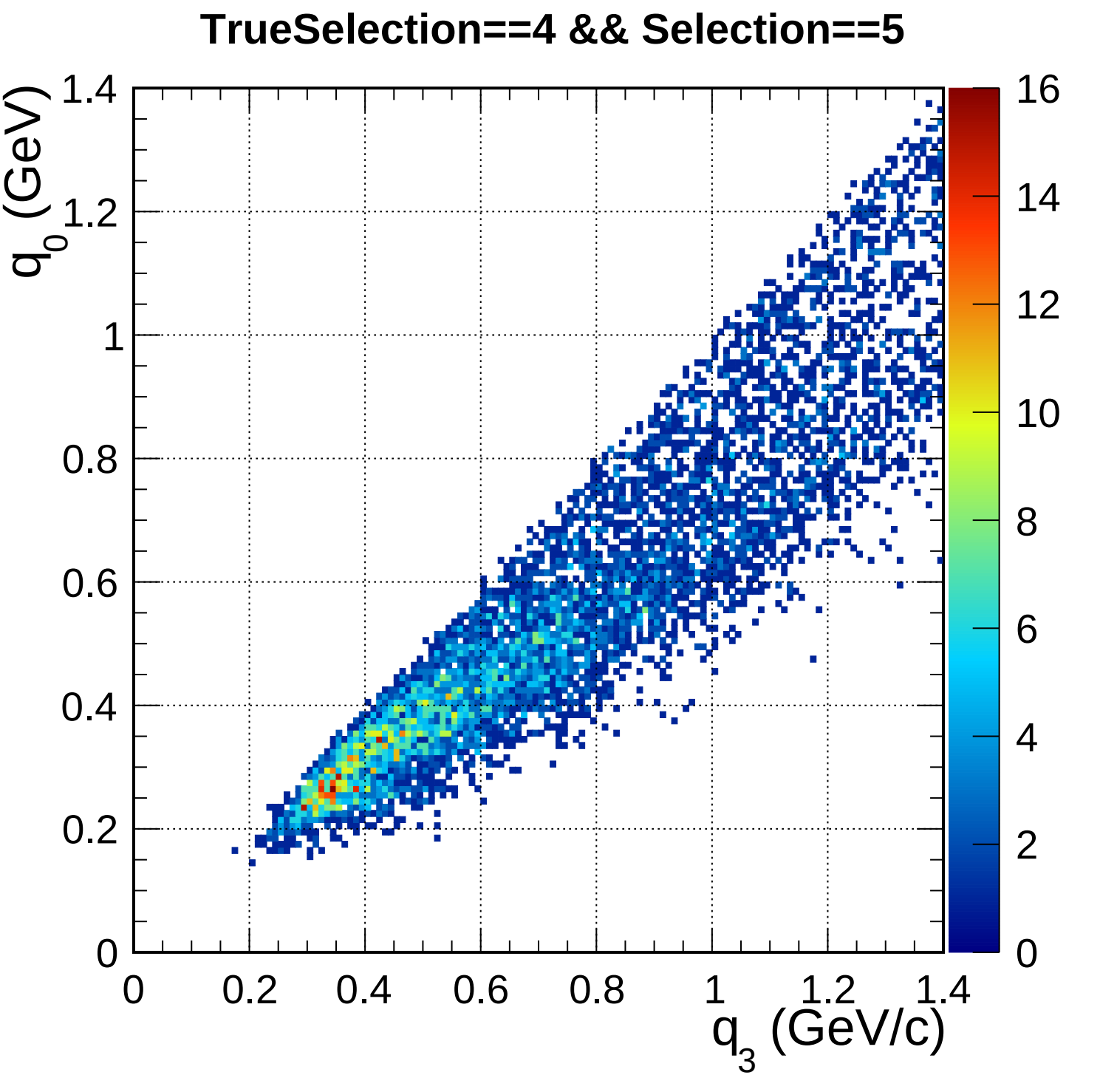

(TrueSelection==4 && Selection<0)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

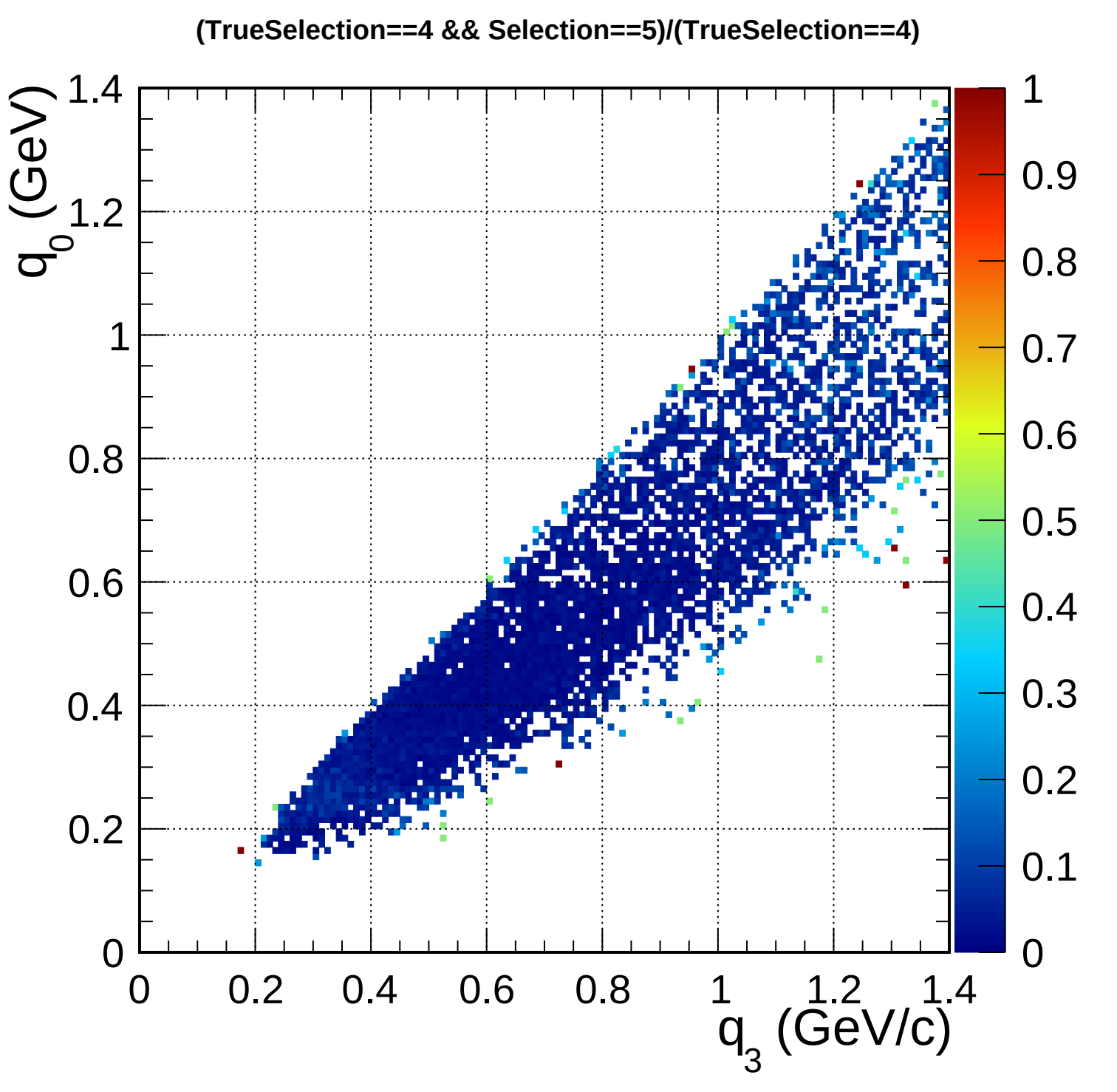

TrueSelection==4 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60

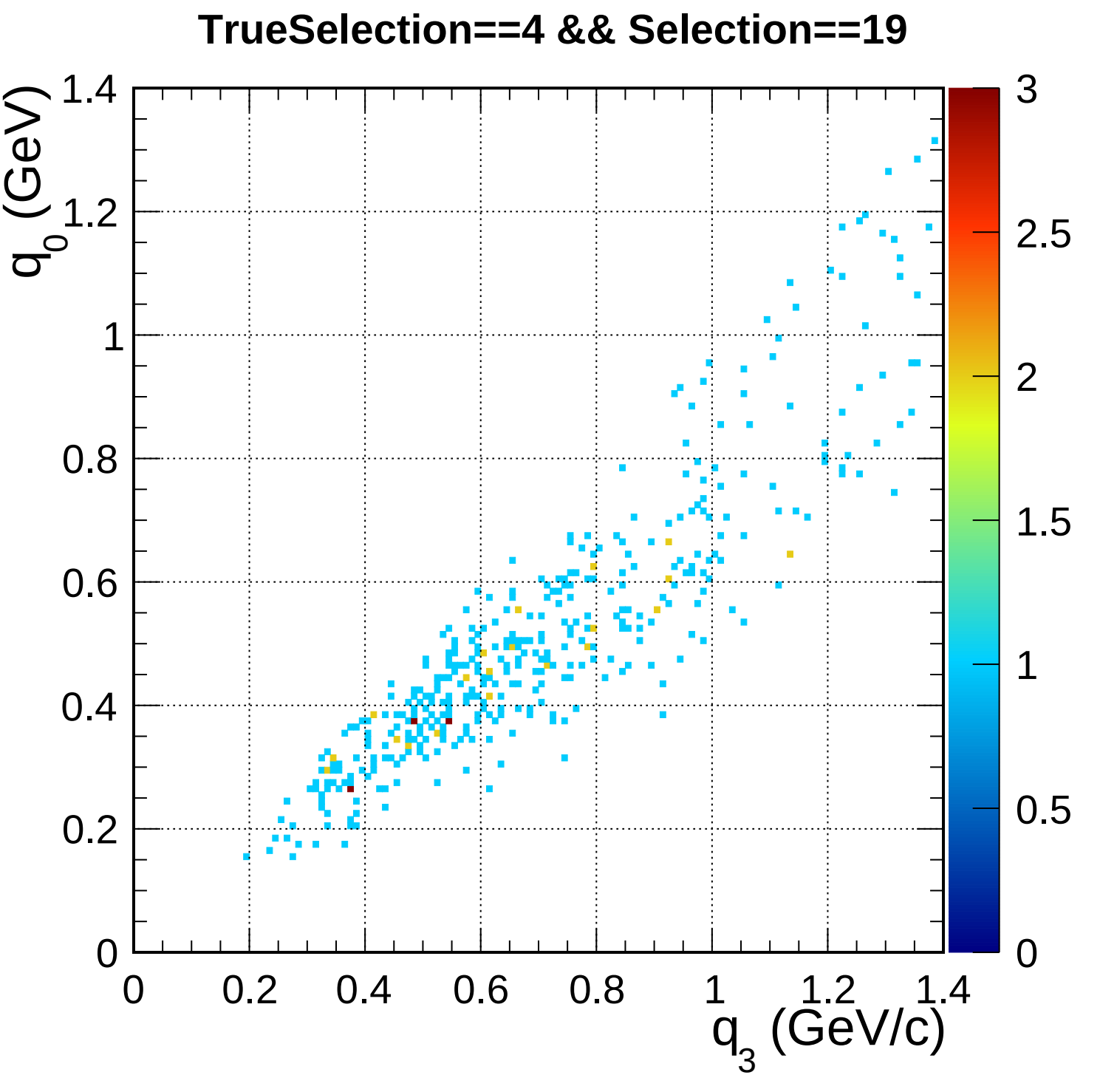

(TrueSelection==4 && Selection==3)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

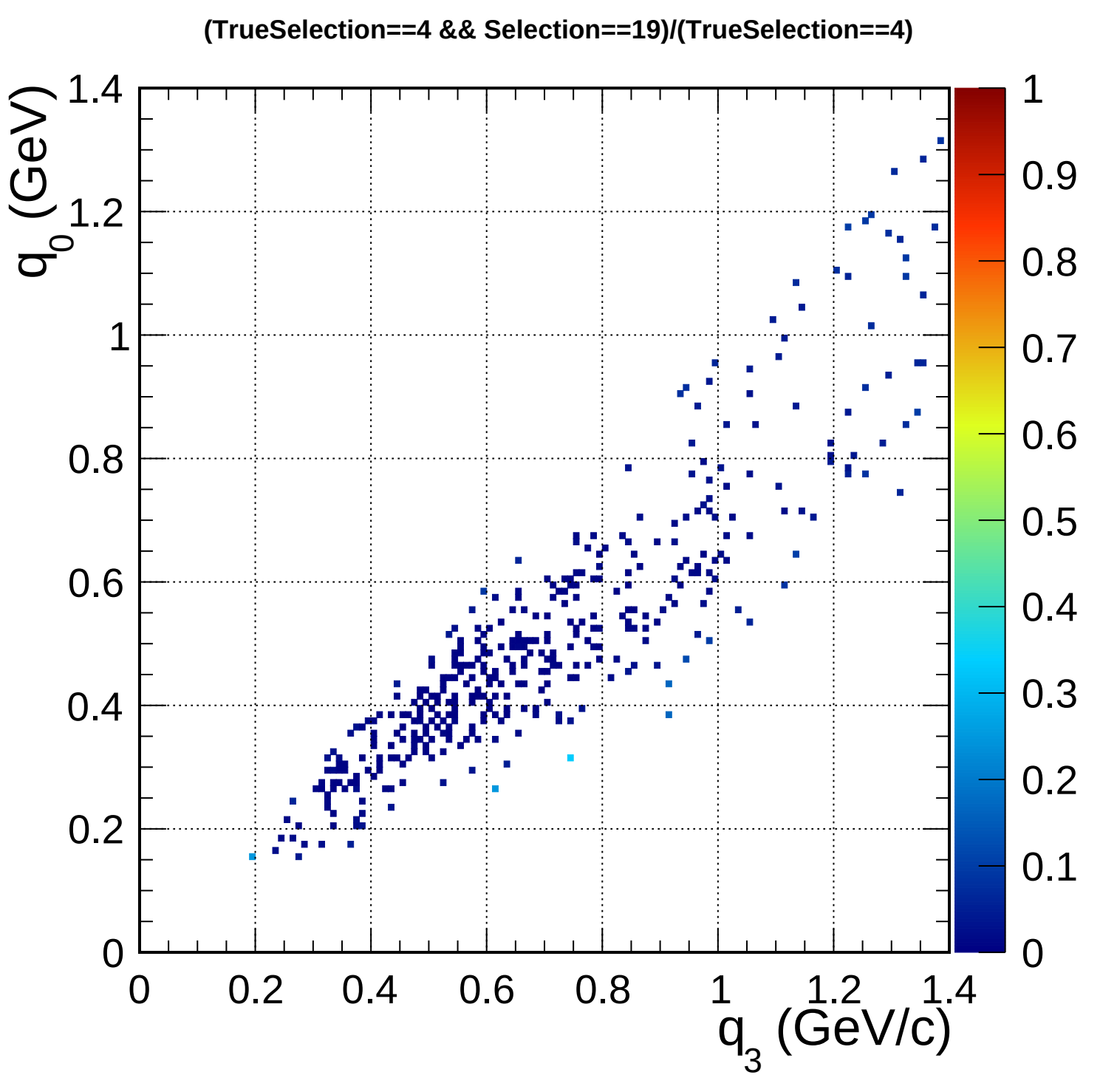

TrueSelection==4 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70
80

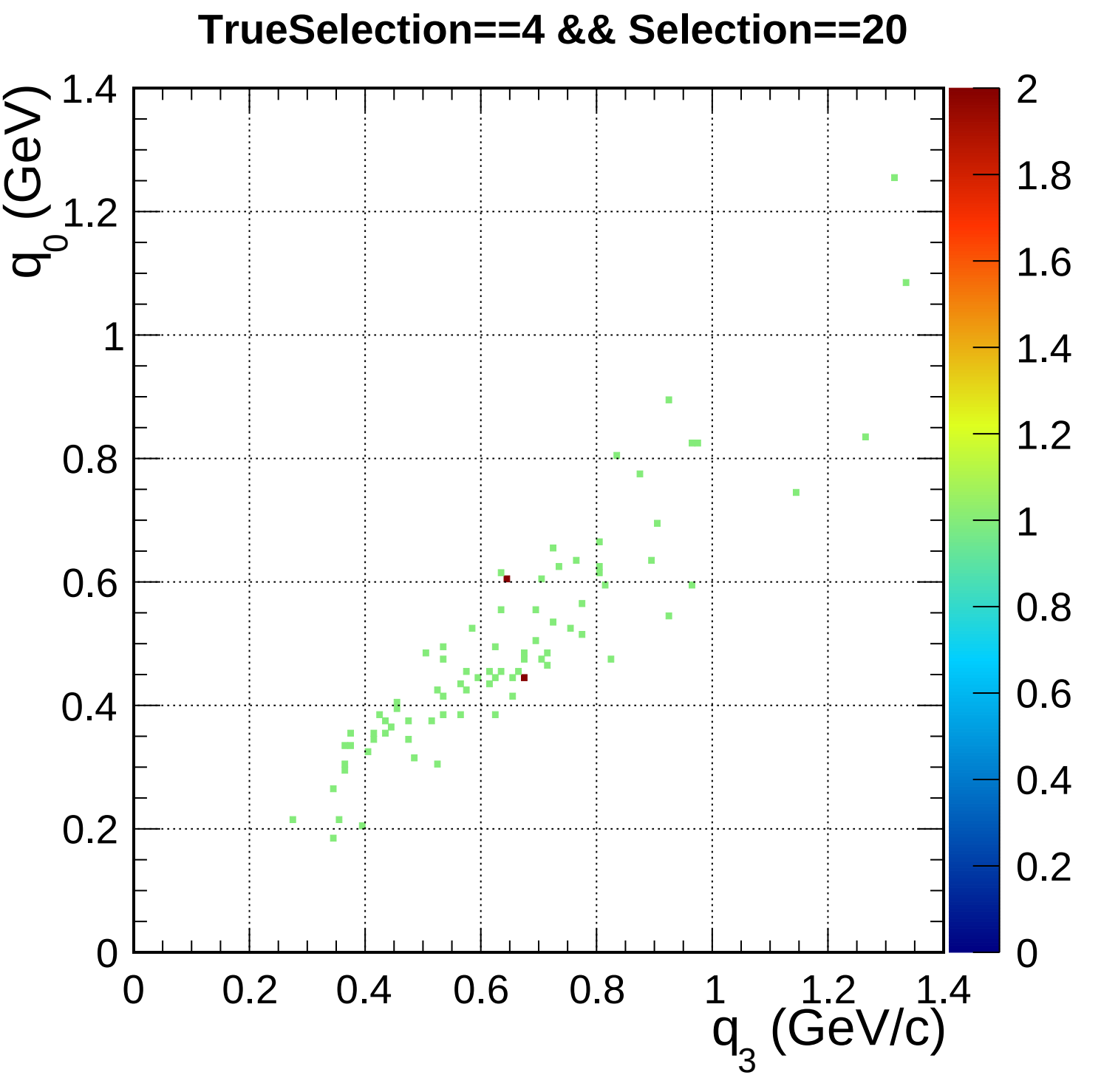

(TrueSelection==4 && Selection==4)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

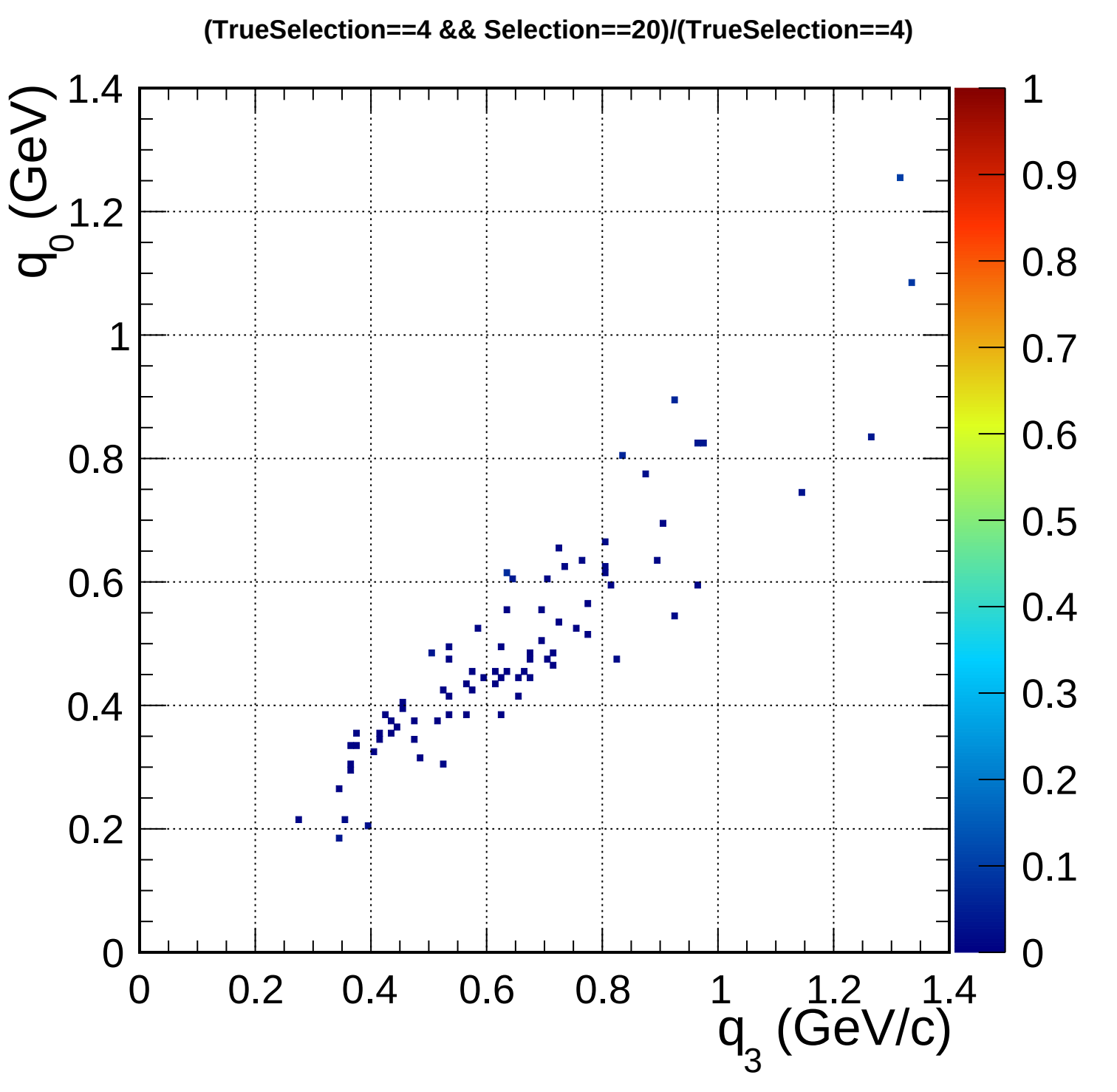

TrueSelection==4 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16

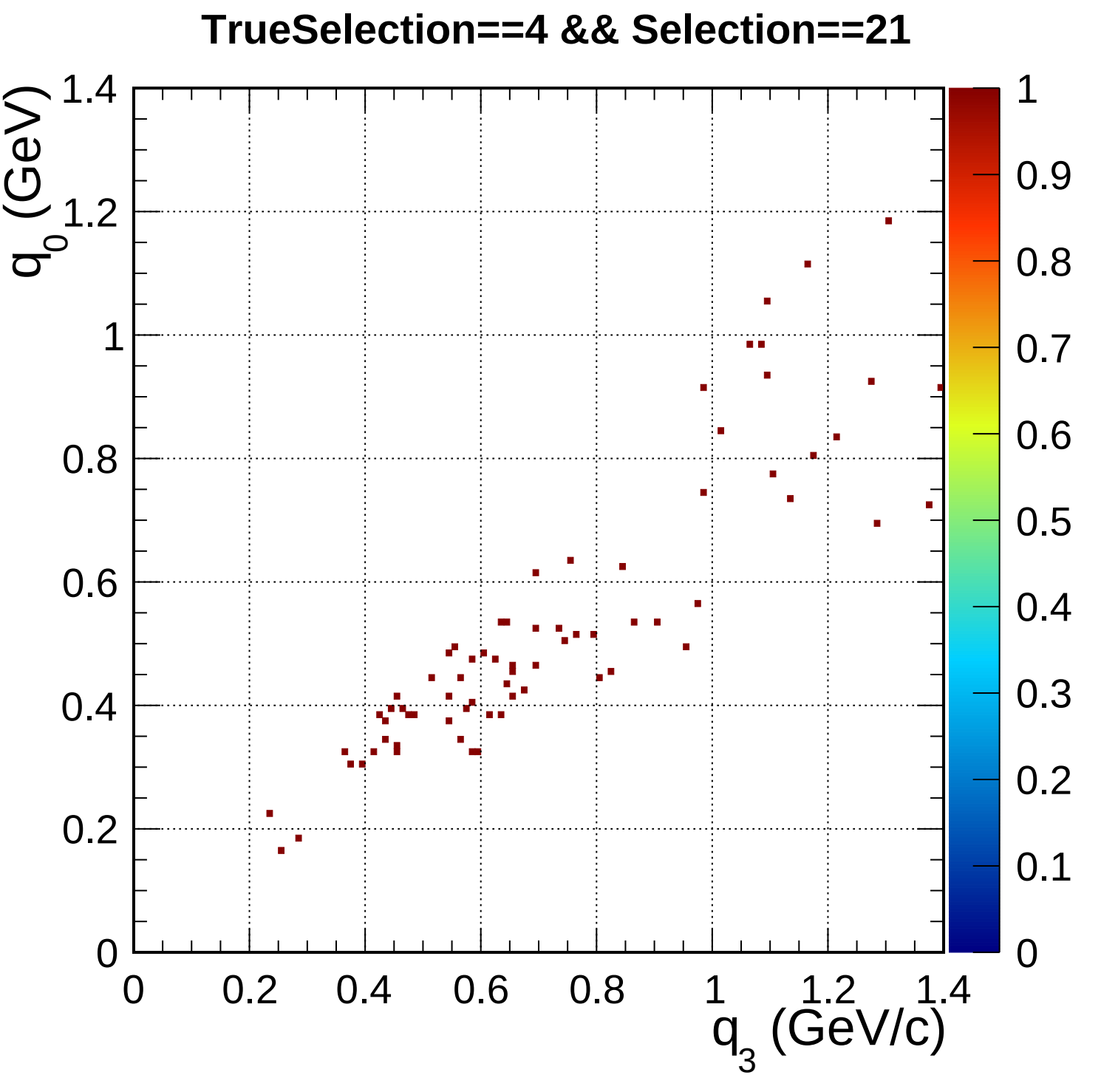

(TrueSelection==4 && Selection==5)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

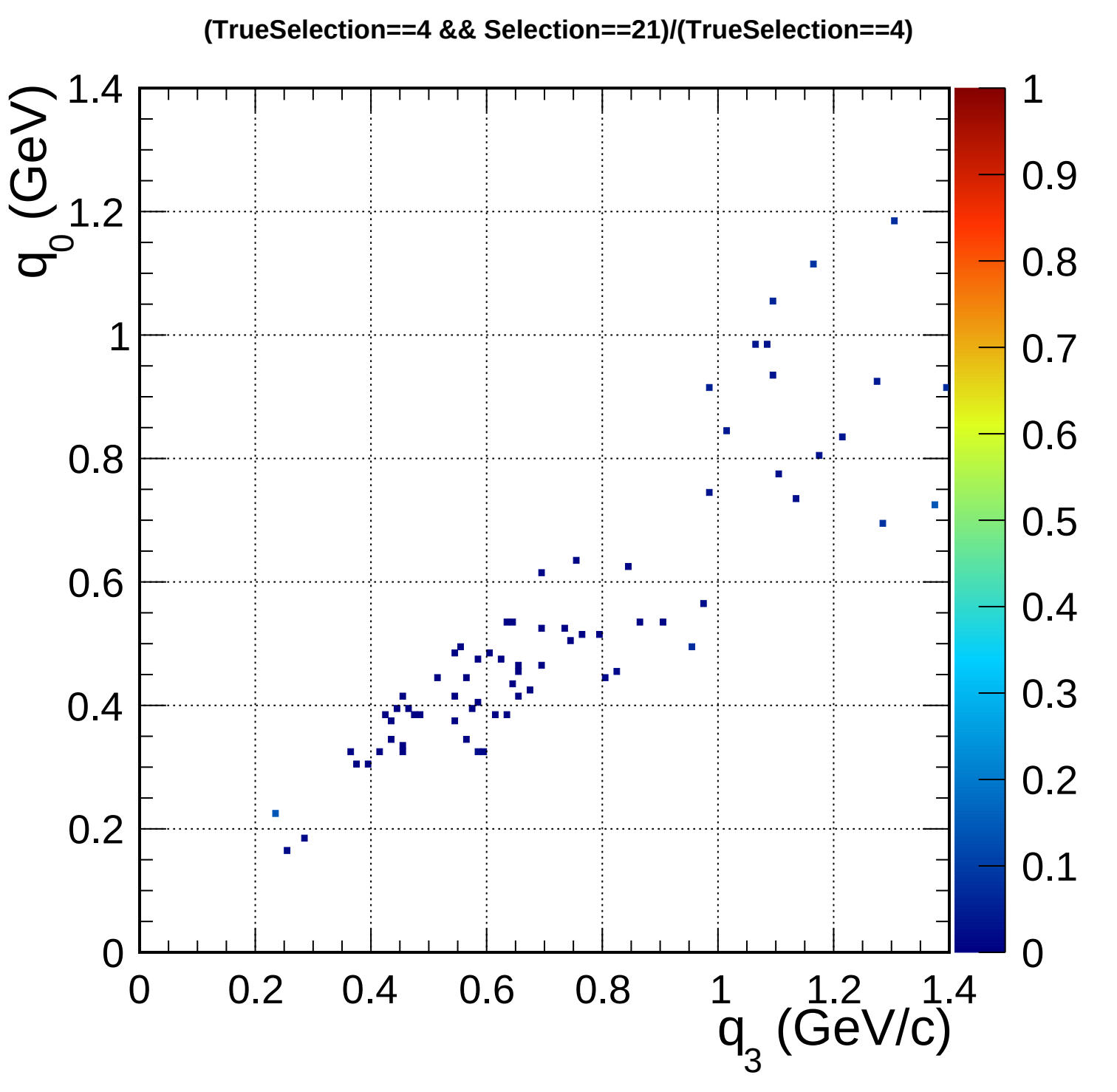

TrueSelection==4 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.5
1.5
2
2.5
3

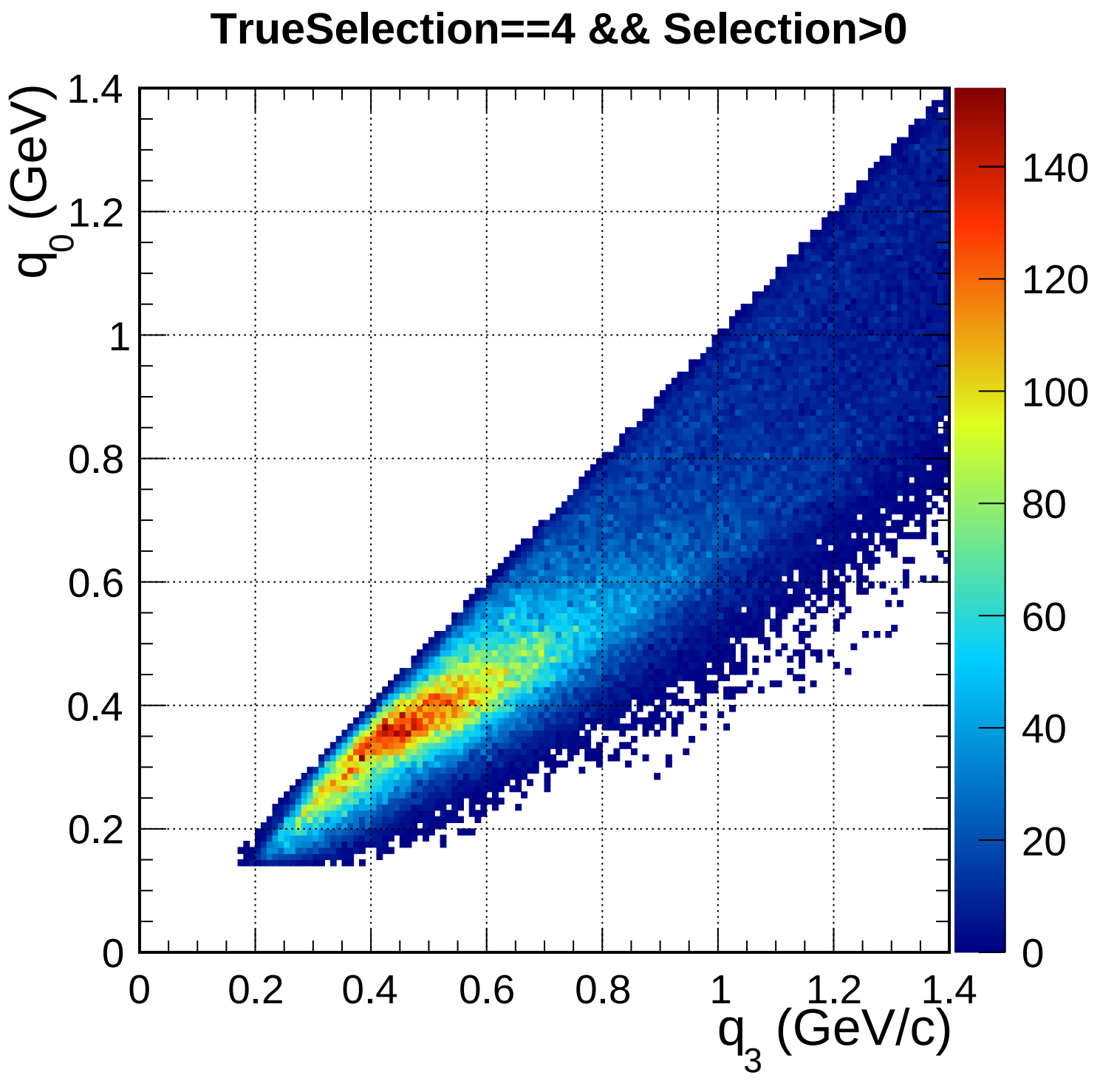

(TrueSelection==4 && Selection==19)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

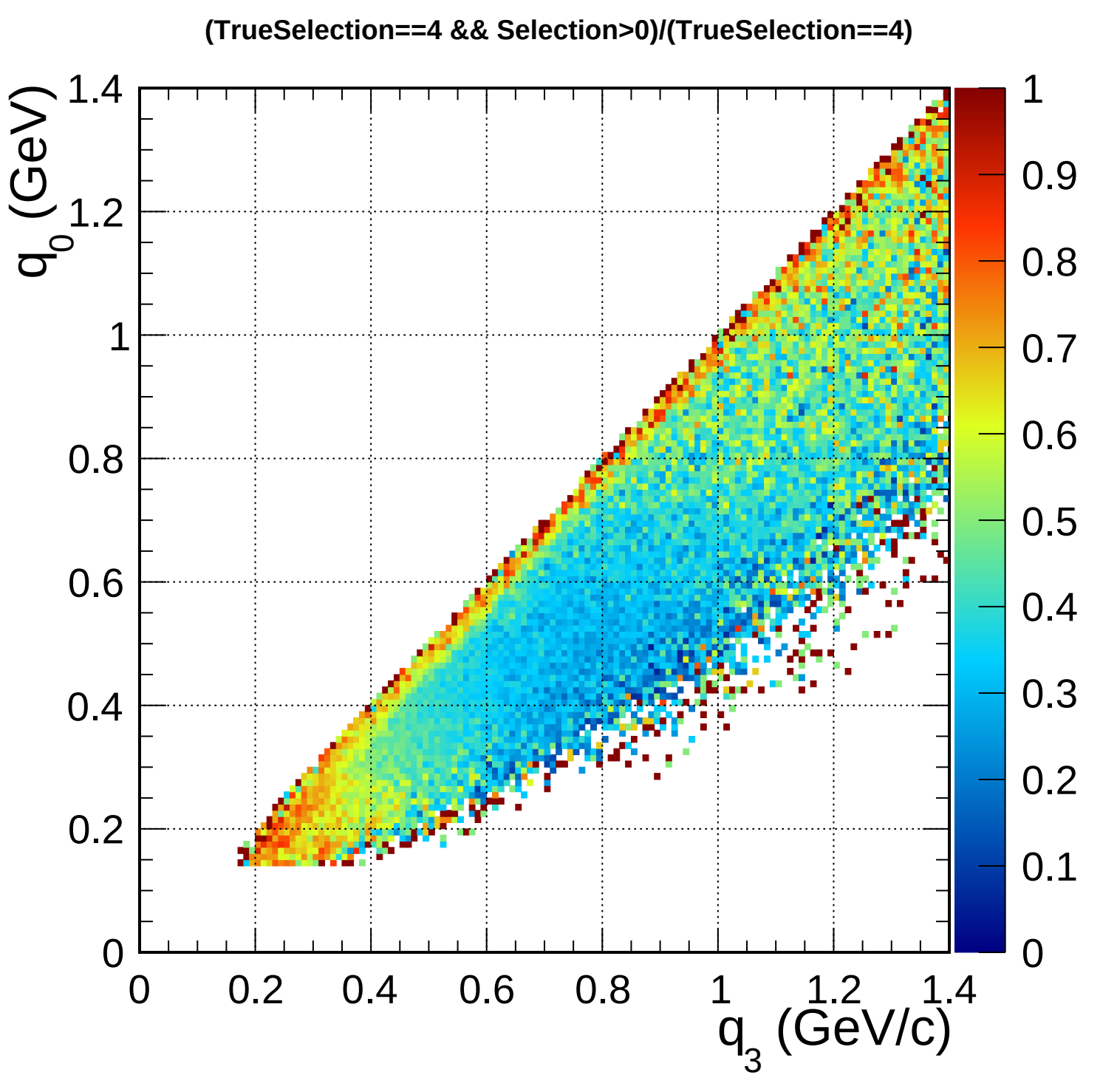

TrueSelection==4 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

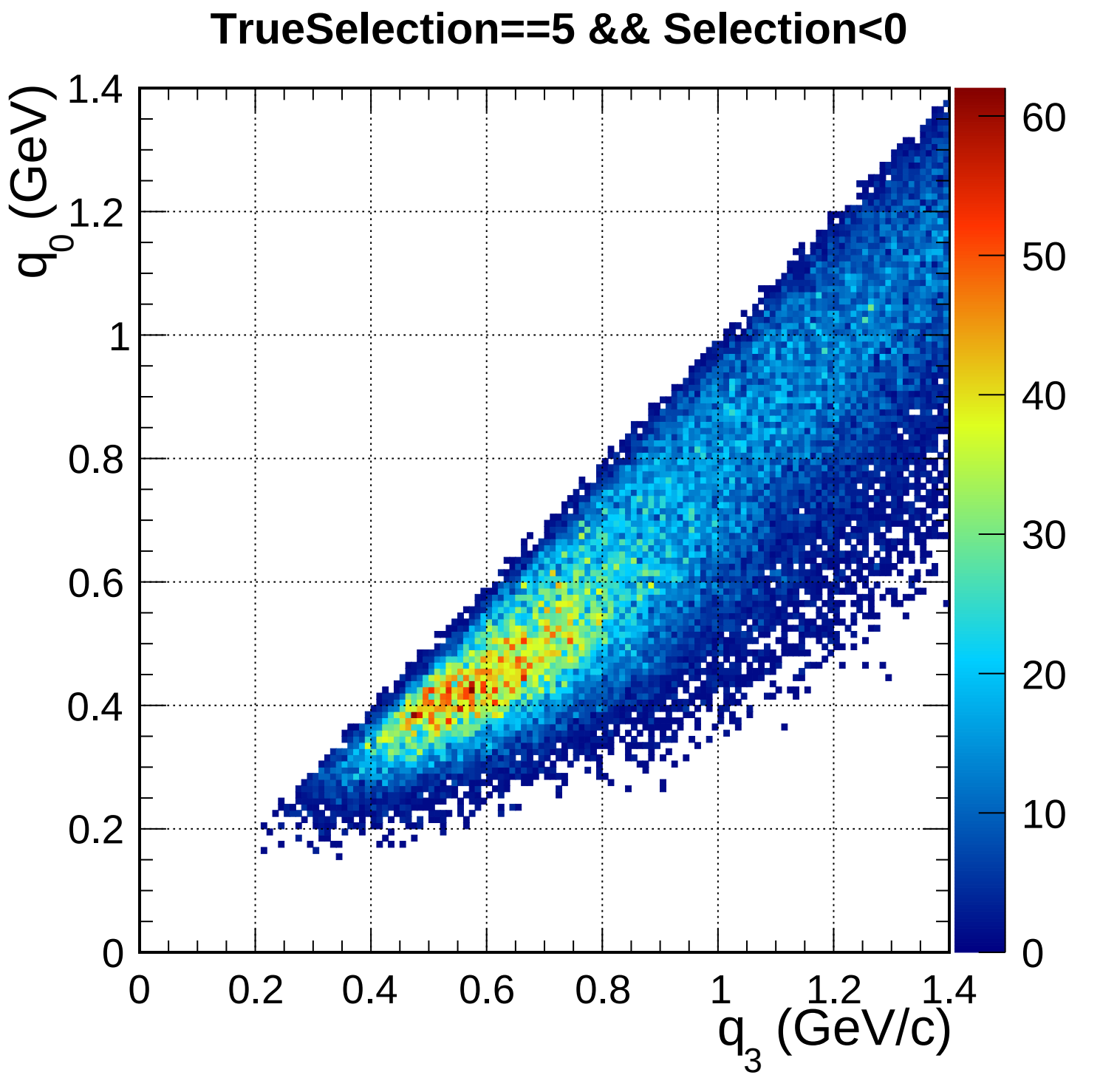

(TrueSelection==4 && Selection==20)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

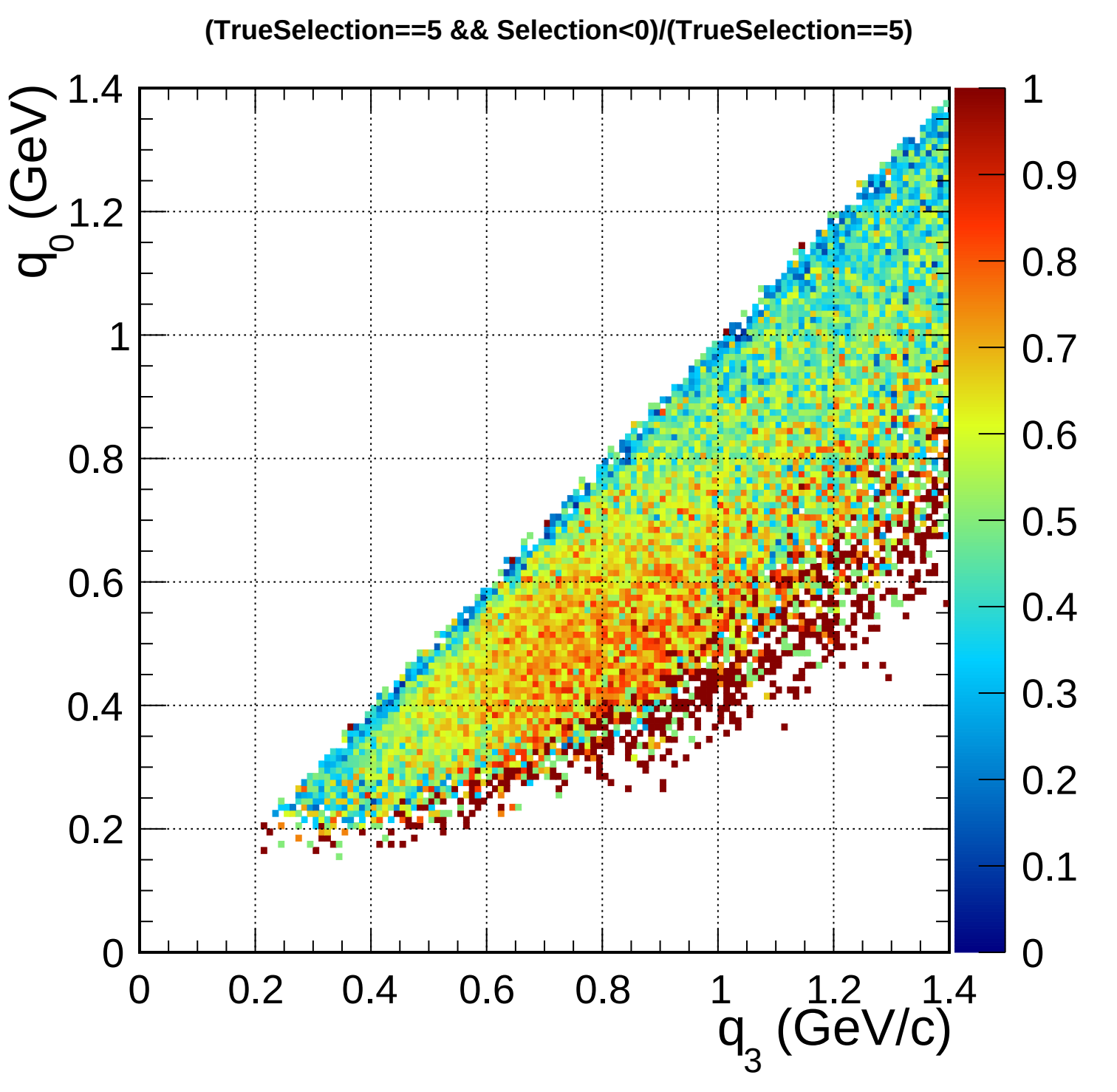

TrueSelection==4 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

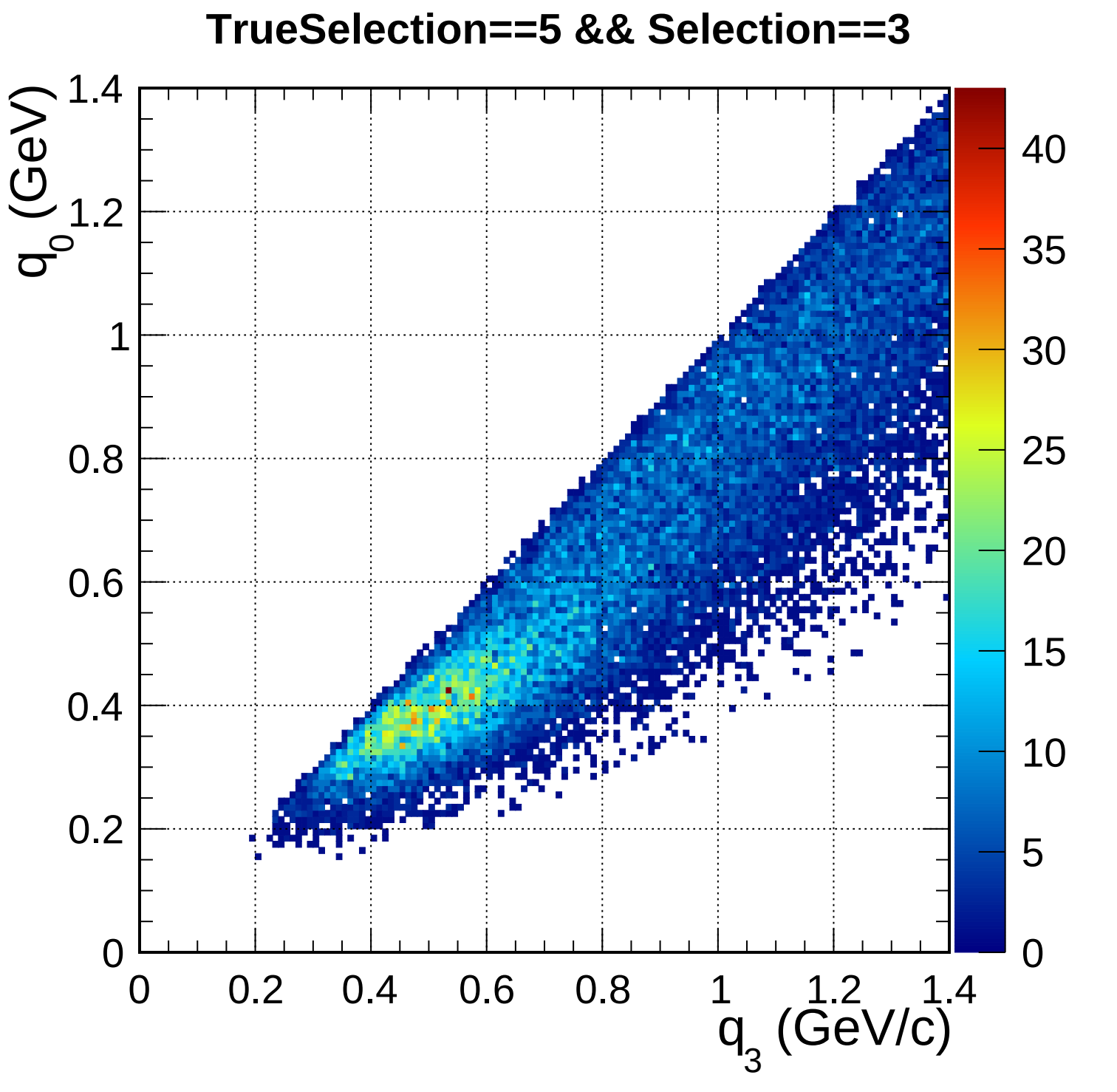

(TrueSelection==4 && Selection==21)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

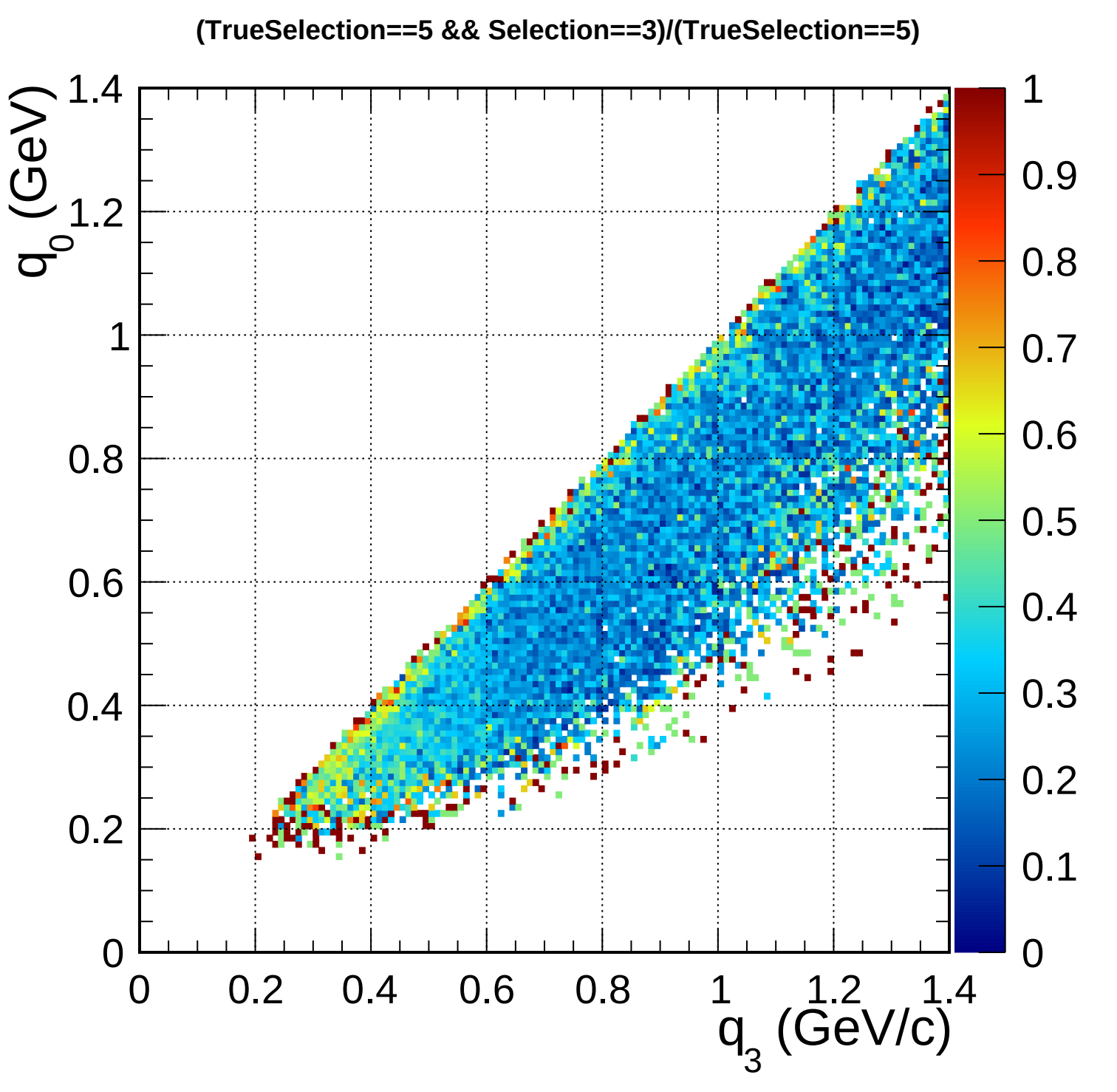

TrueSelection==4 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140

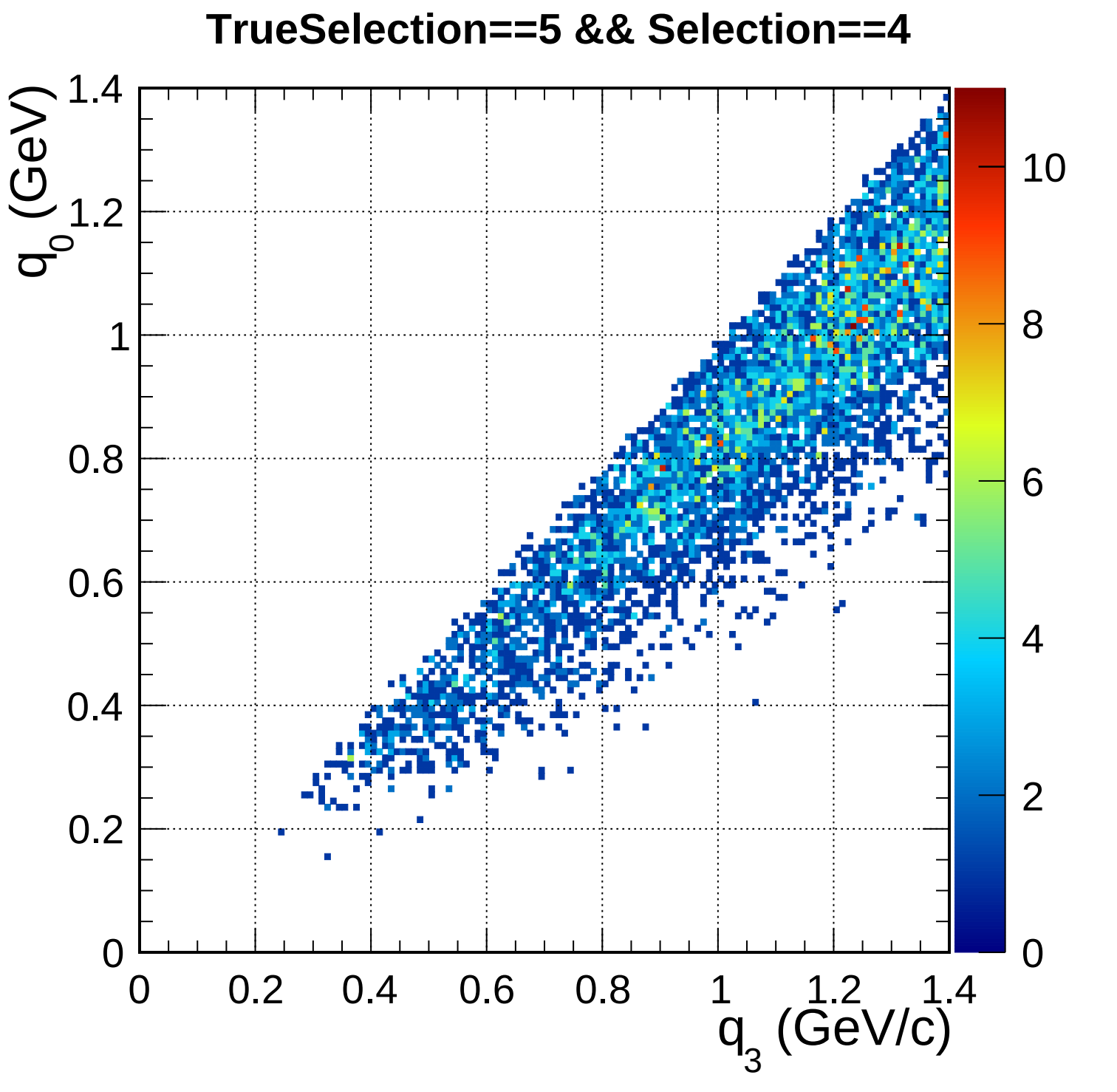

(TrueSelection==4 && Selection>0)/(TrueSelection==4)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

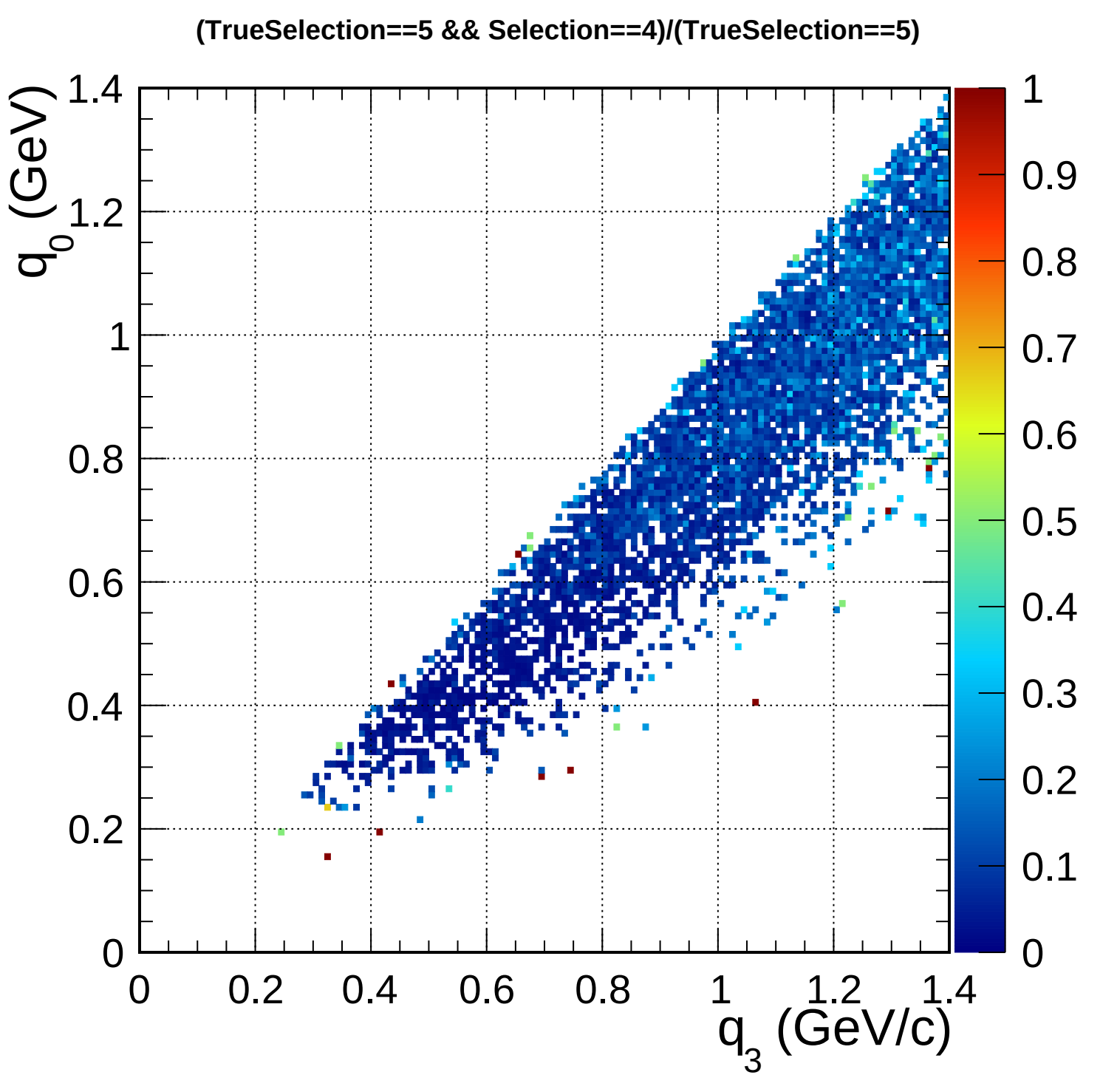

TrueSelection==5 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60

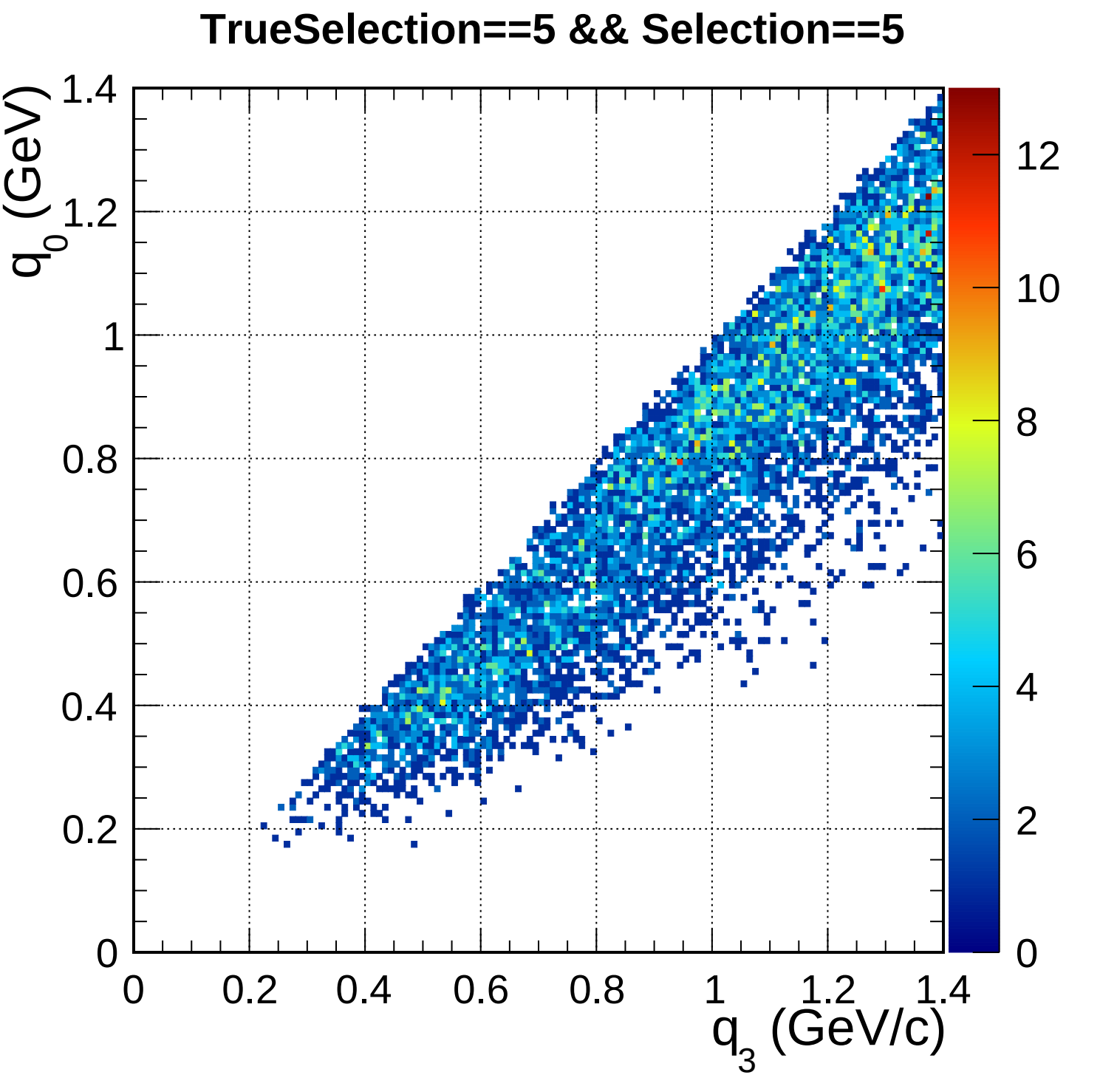

(TrueSelection==5 && Selection<0)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

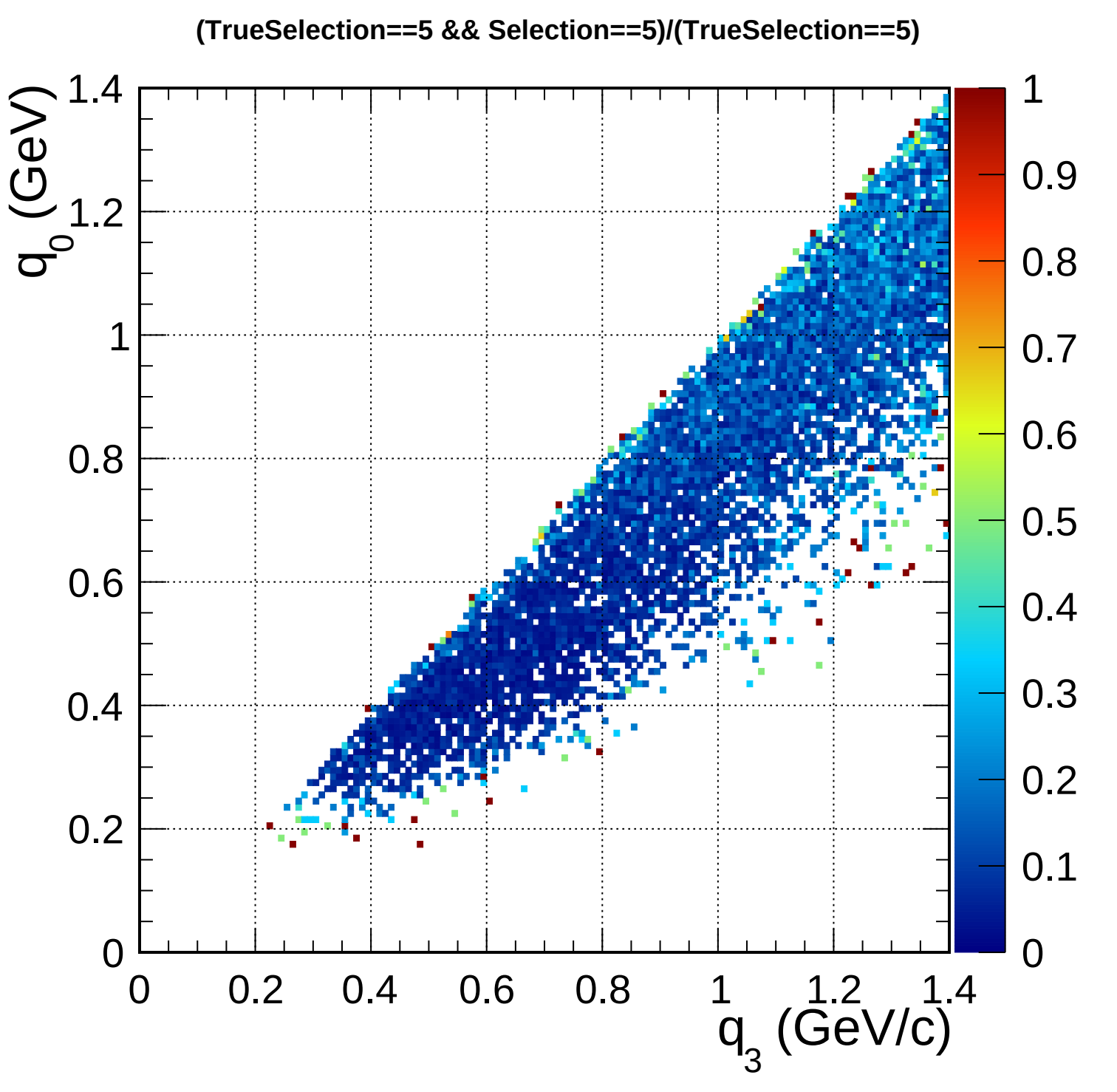

TrueSelection==5 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

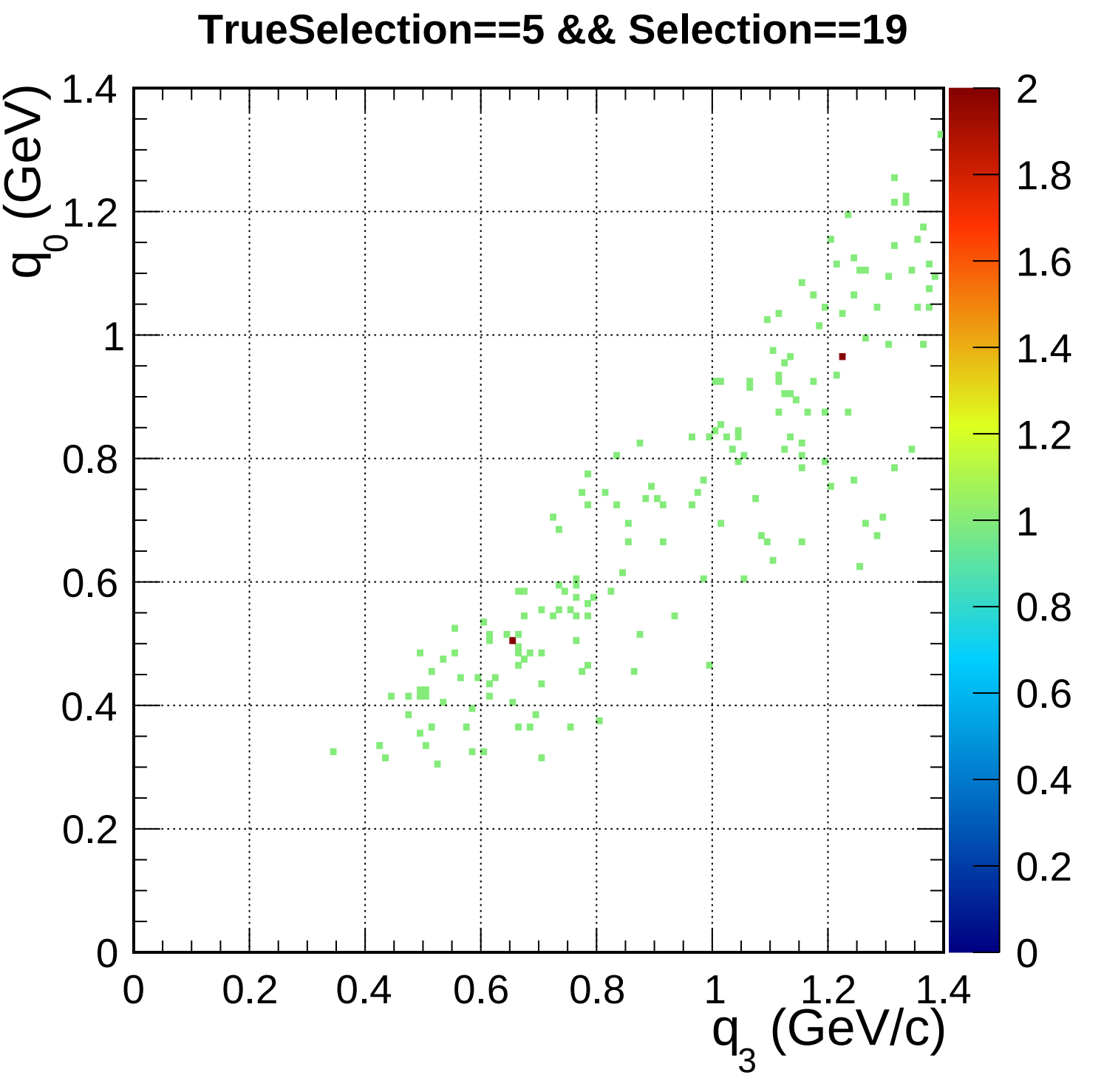

(TrueSelection==5 && Selection==3)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

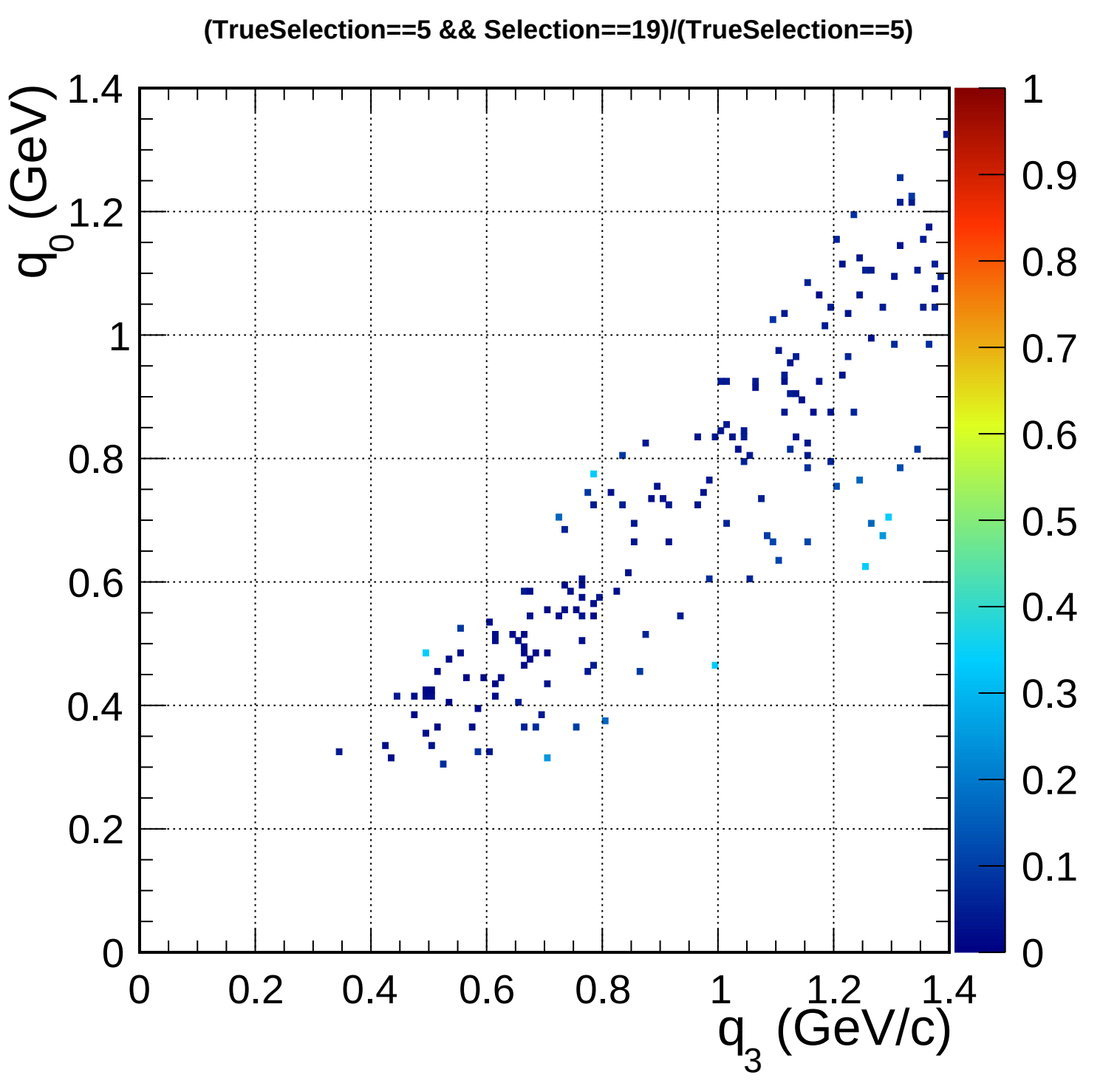

TrueSelection==5 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10

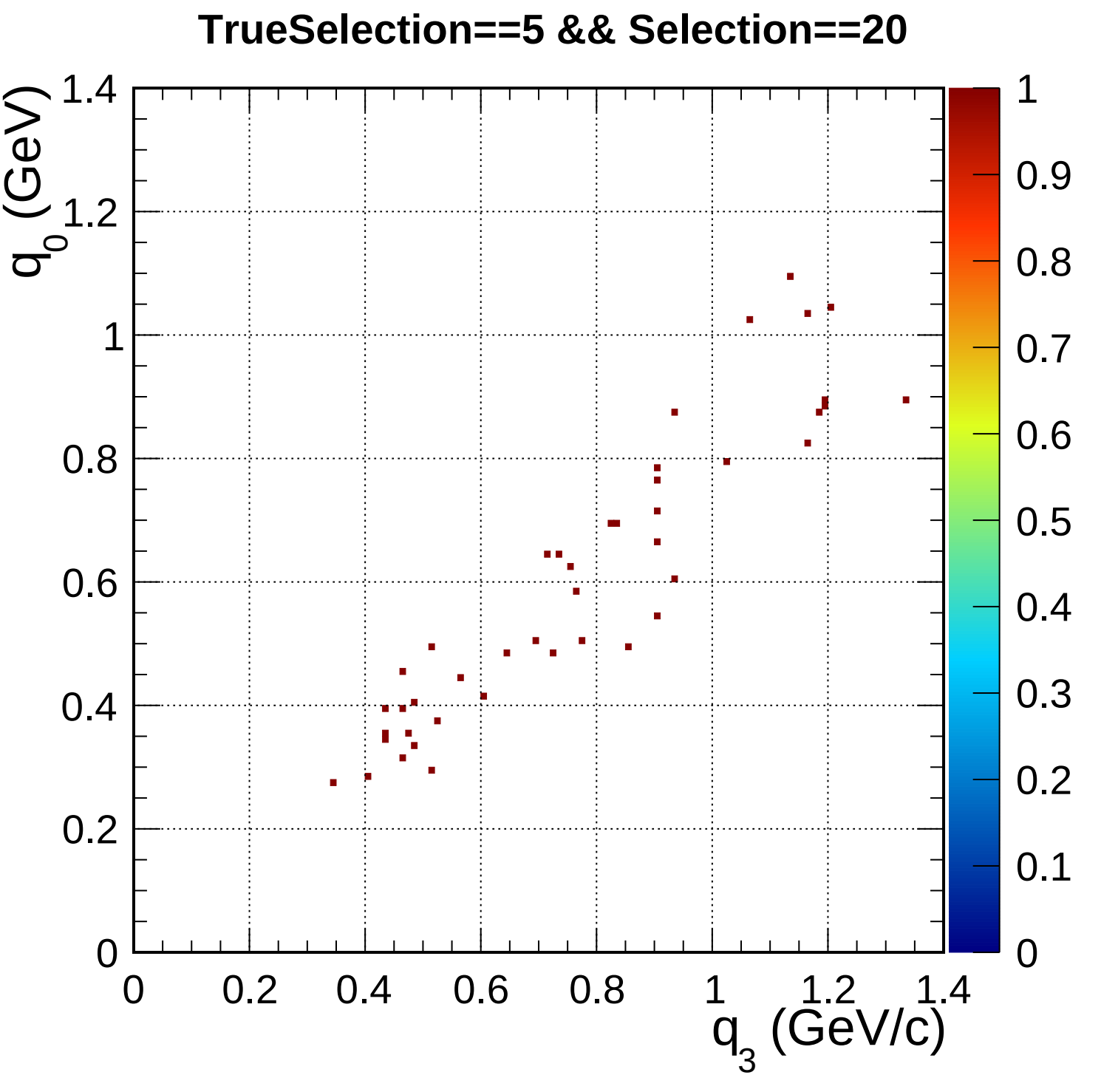

(TrueSelection==5 && Selection==4)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

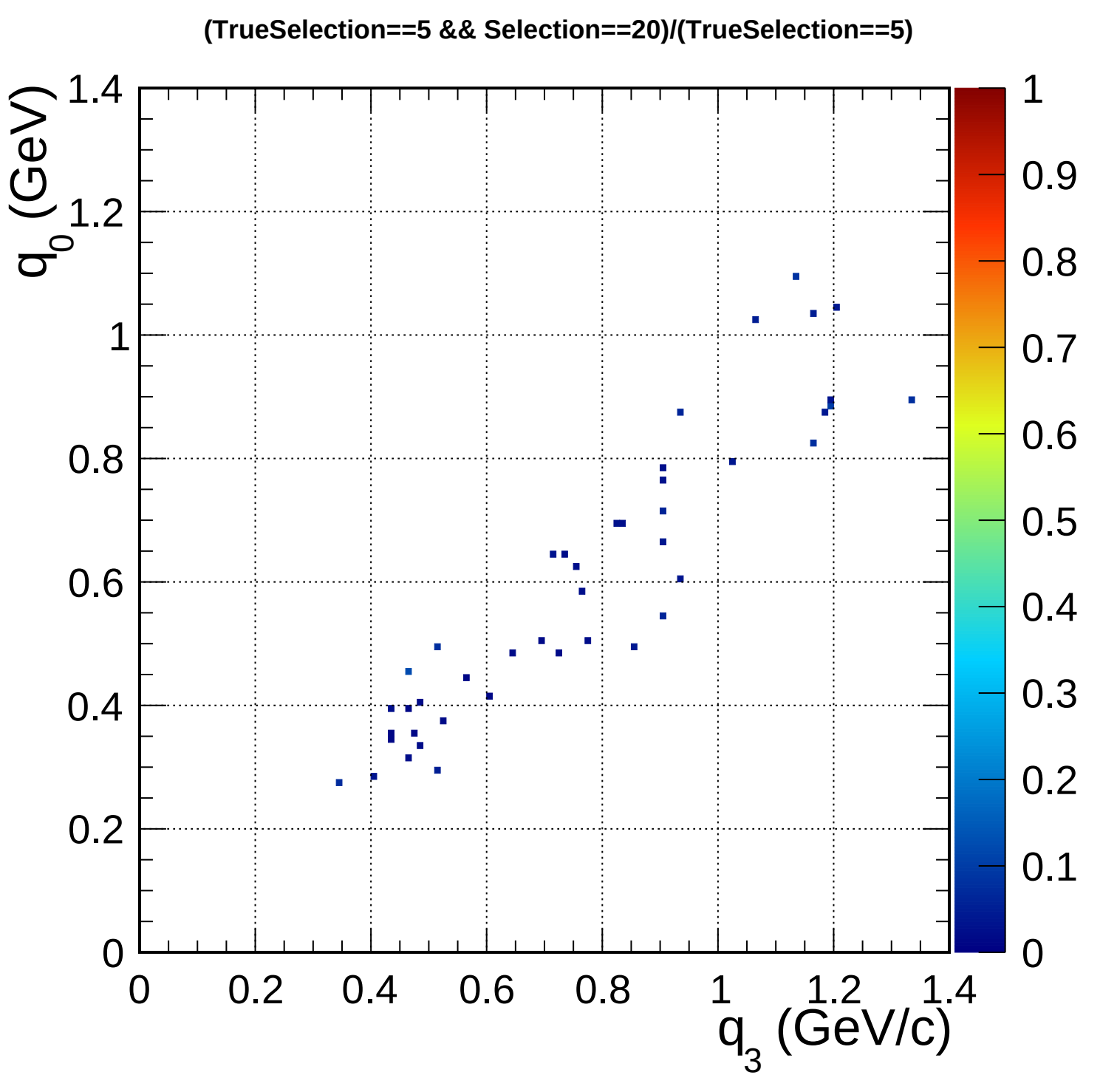

TrueSelection==5 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

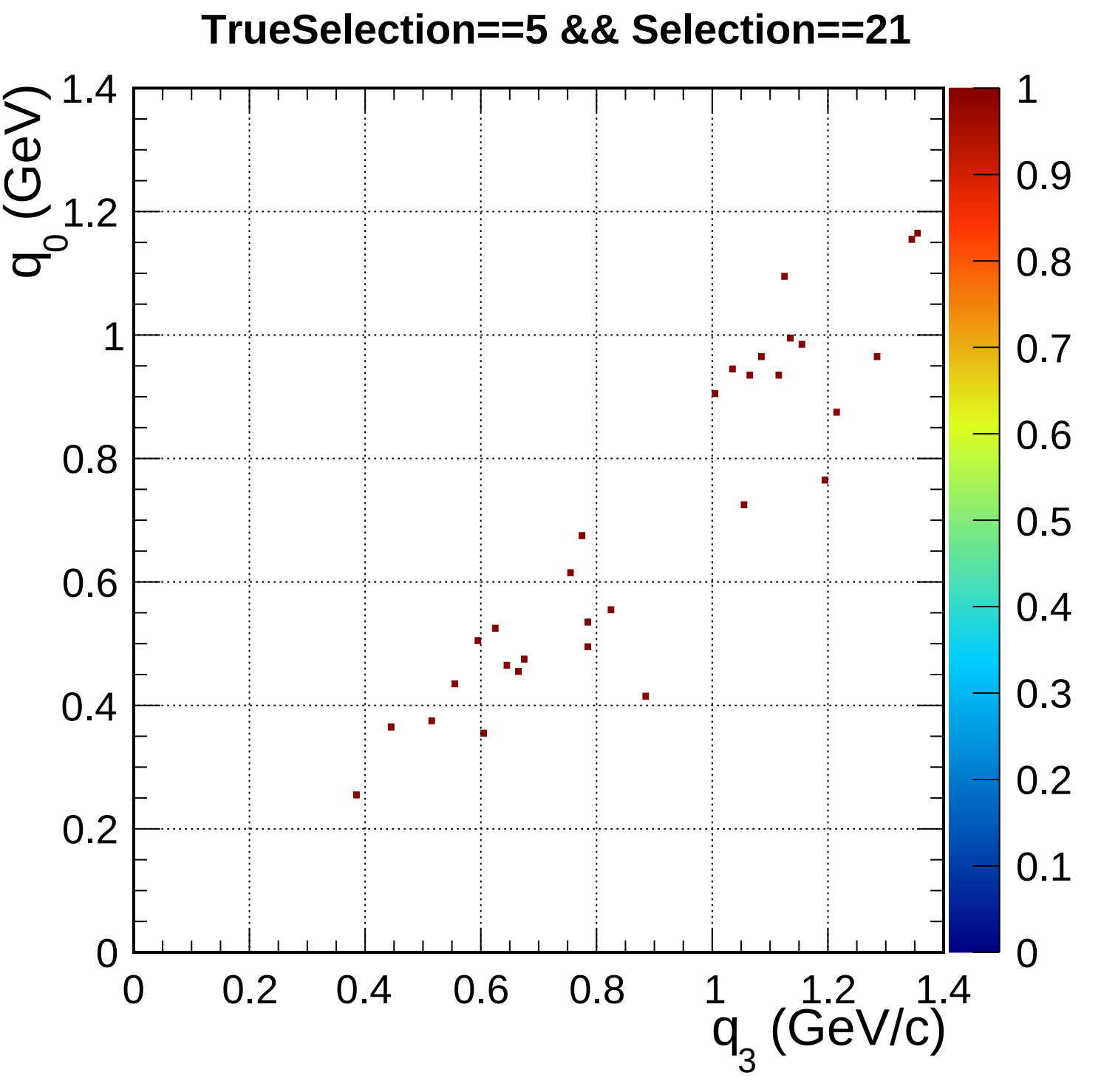

(TrueSelection==5 && Selection==5)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

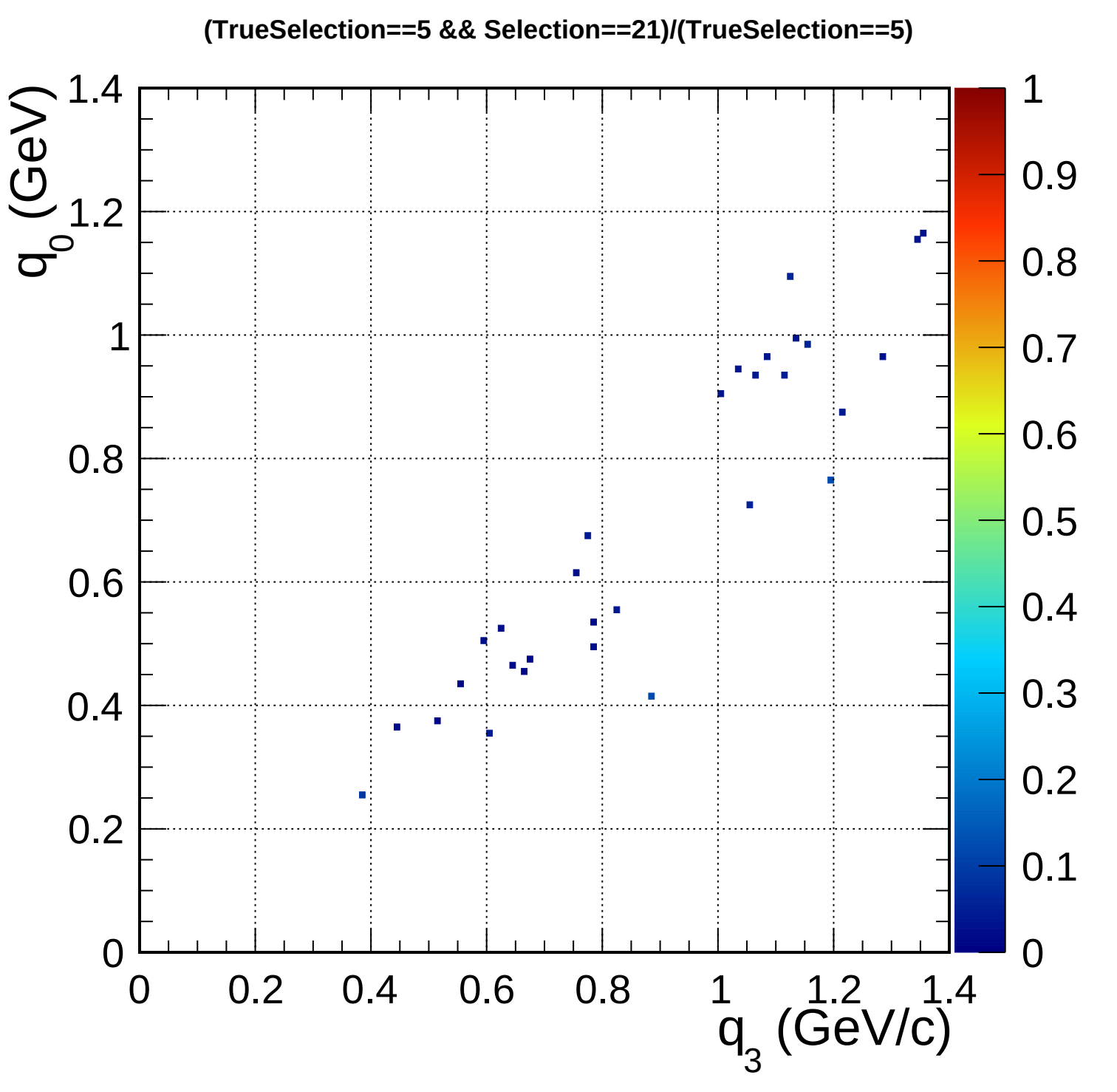

TrueSelection==5 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

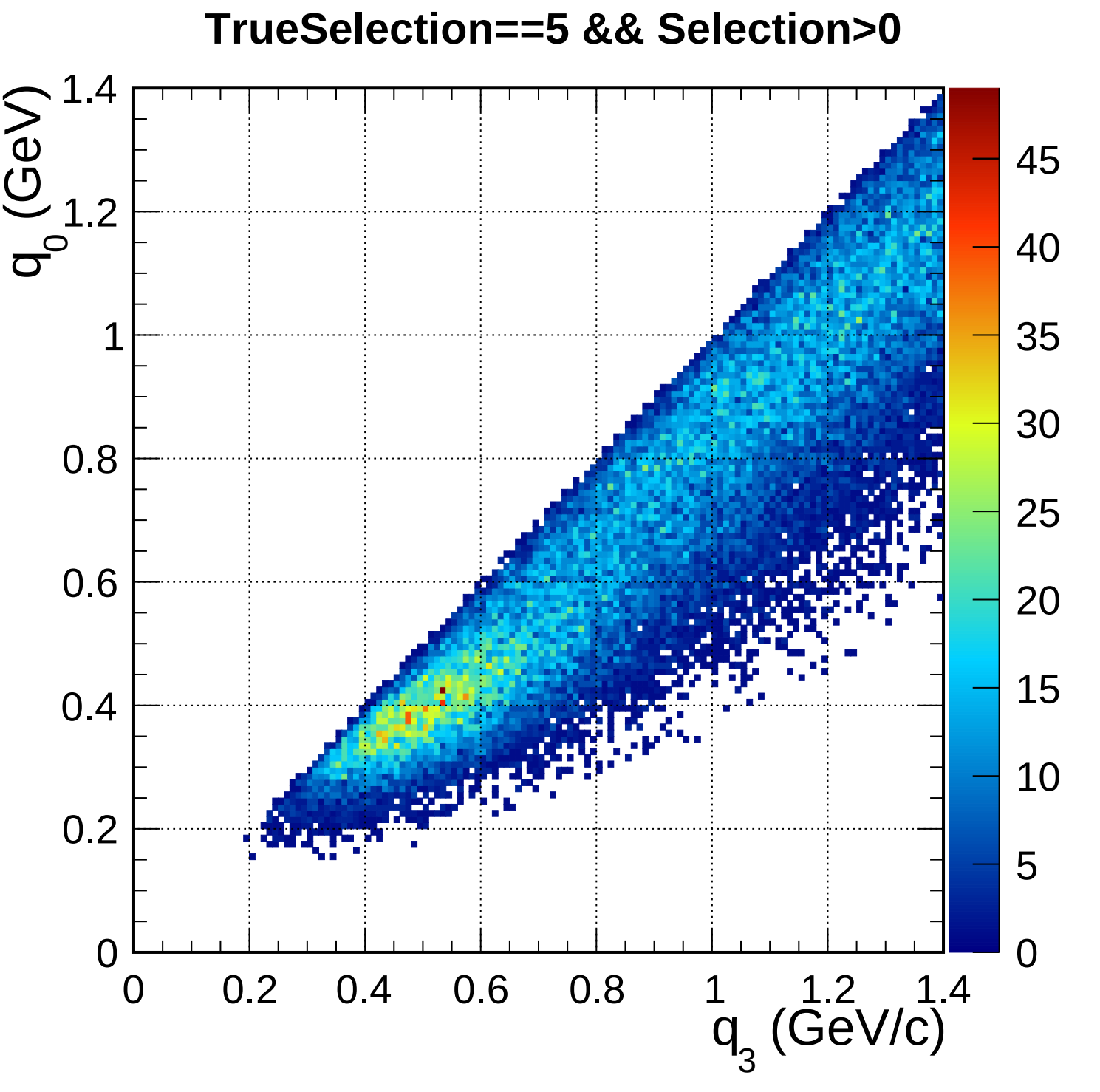

(TrueSelection==5 && Selection==19)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

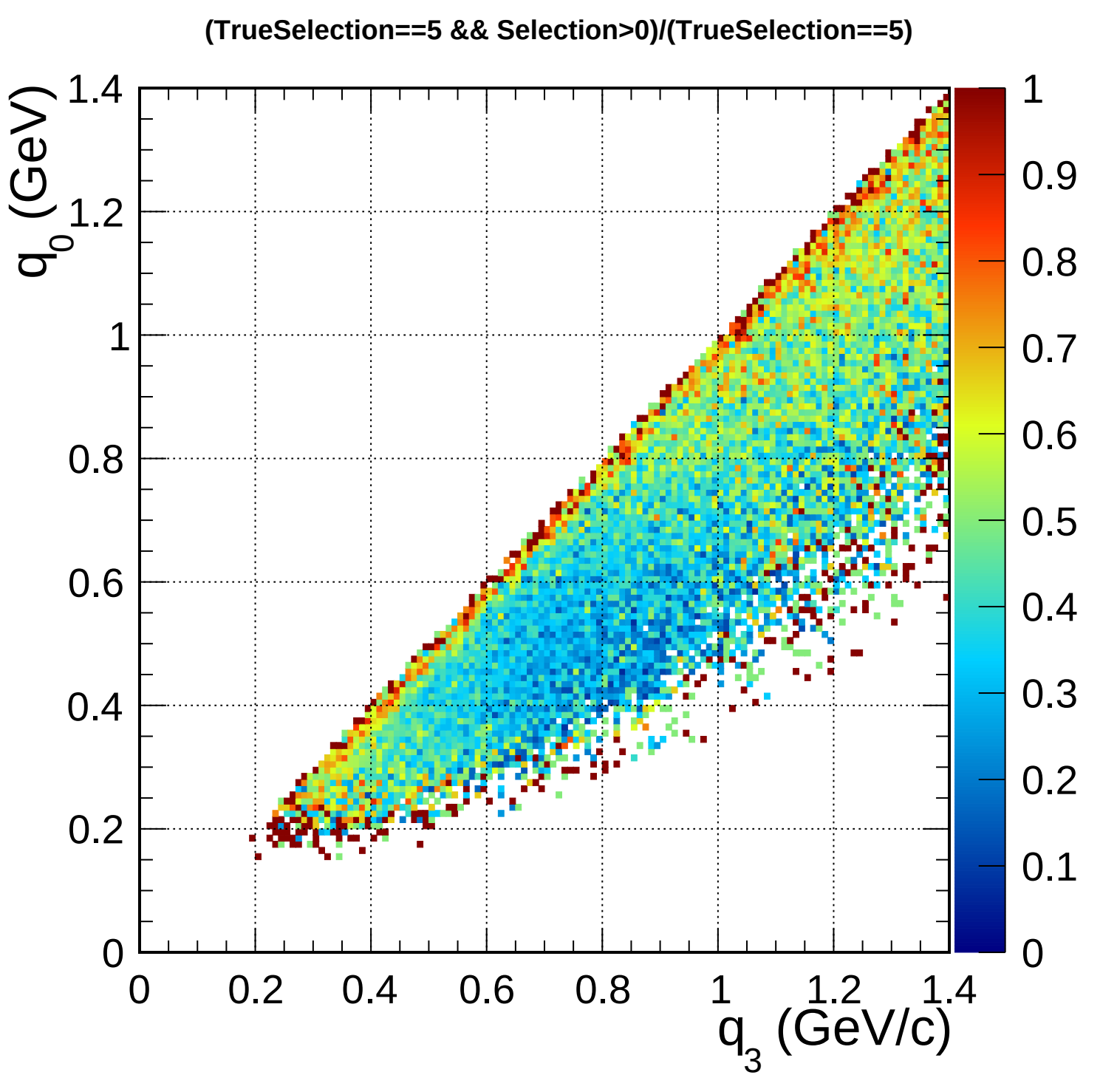

TrueSelection==5 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

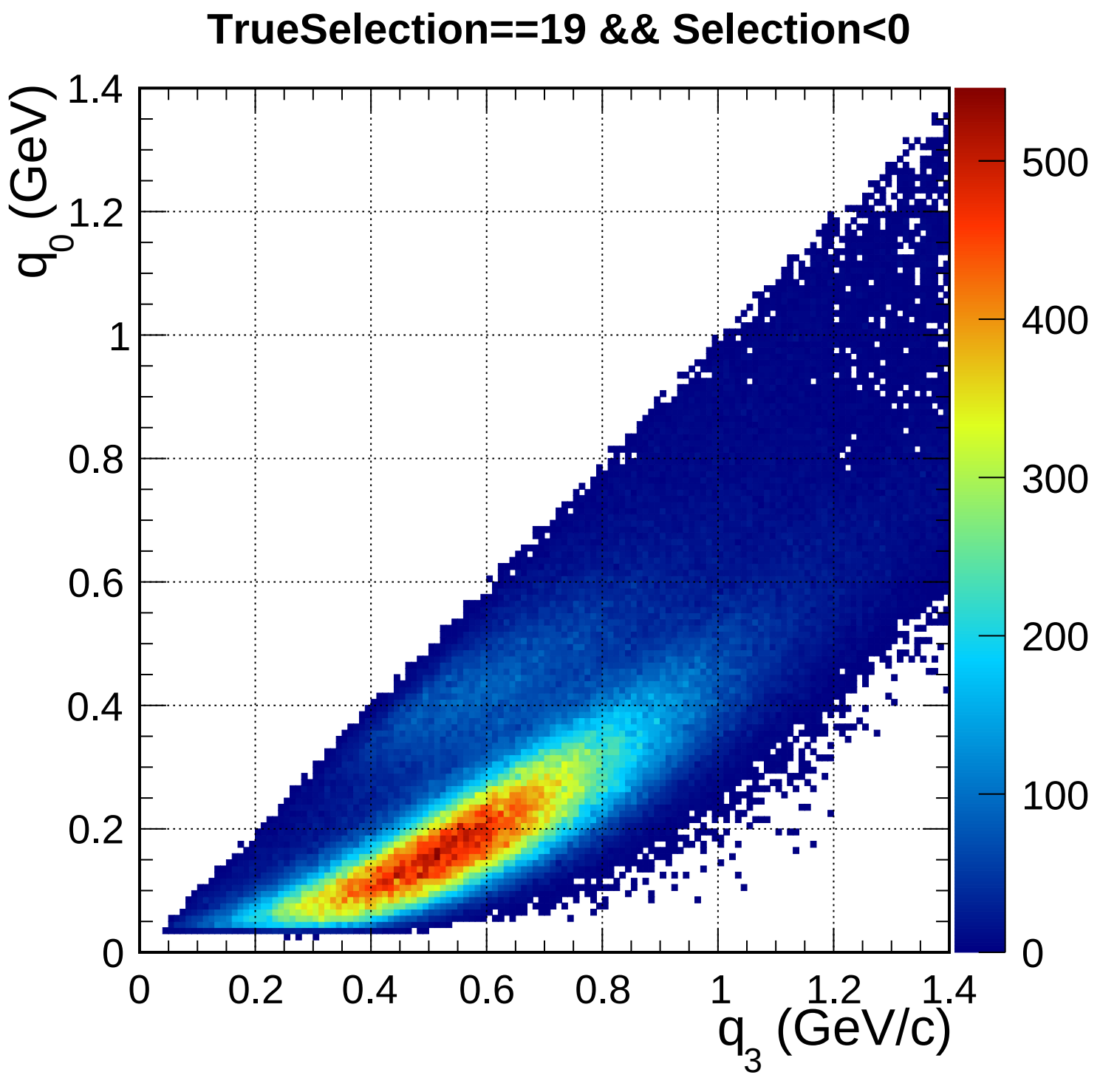

(TrueSelection==5 && Selection==20)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

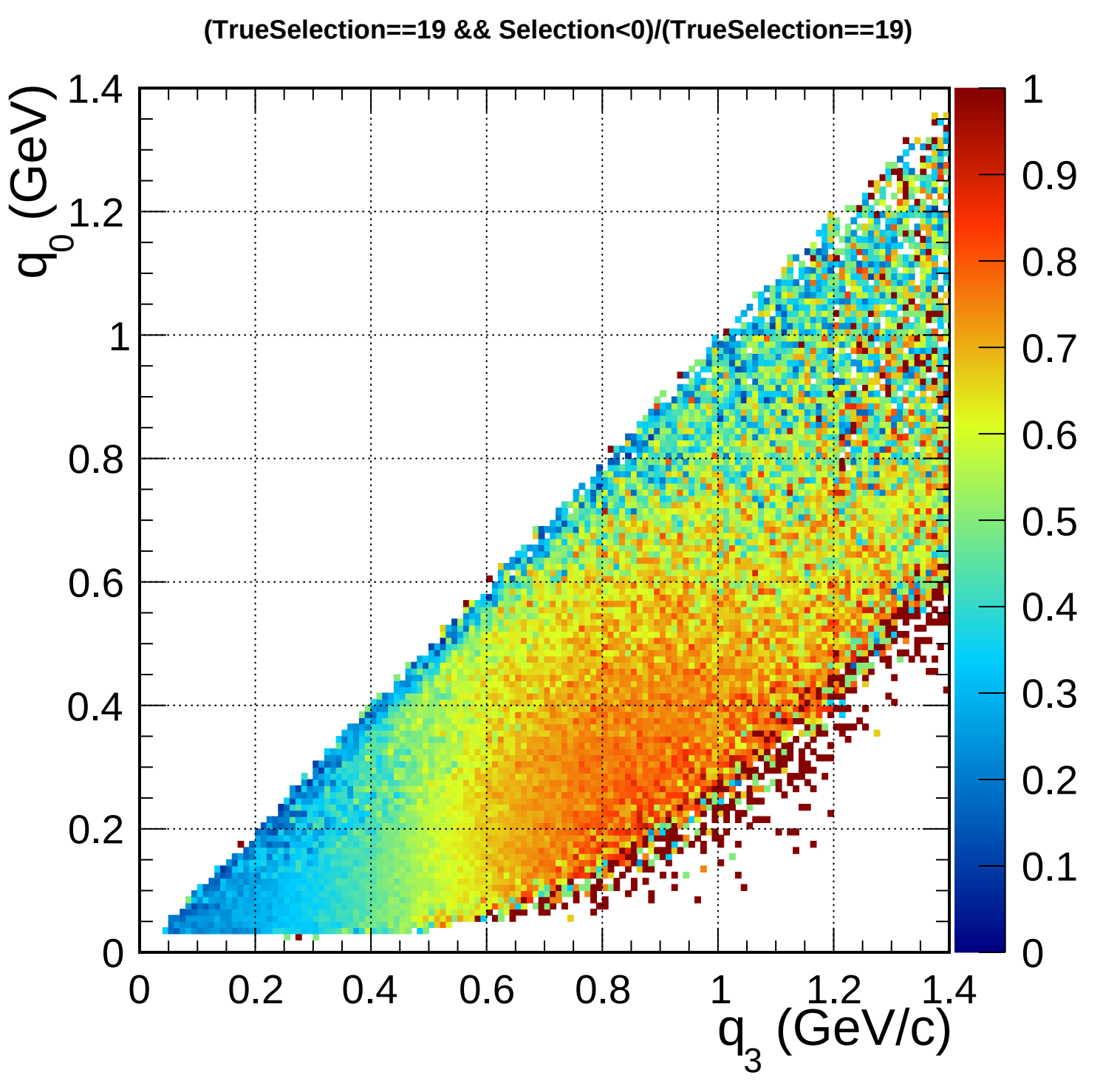

TrueSelection==5 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

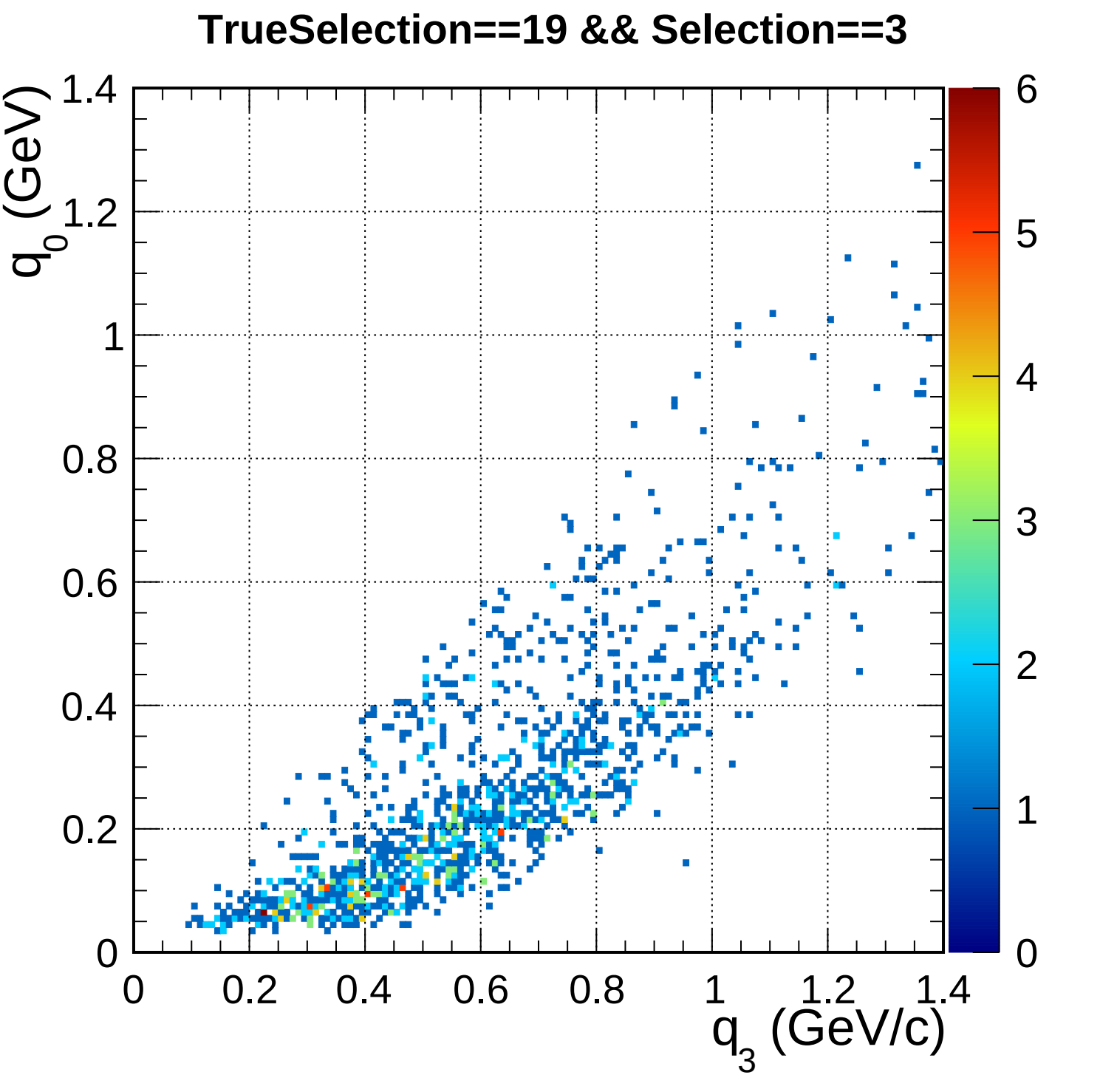

(TrueSelection==5 && Selection==21)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

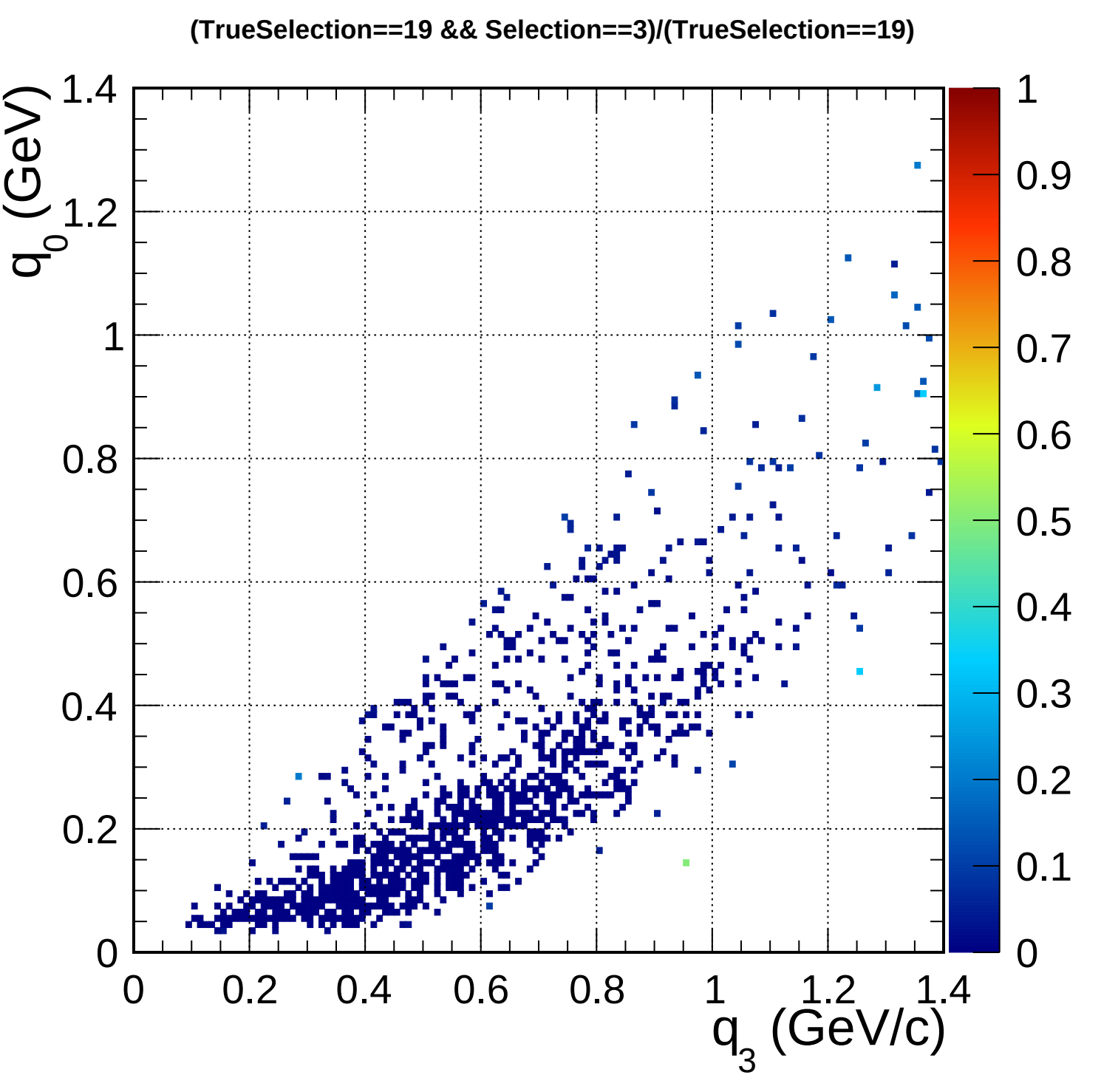

TrueSelection==5 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40
45

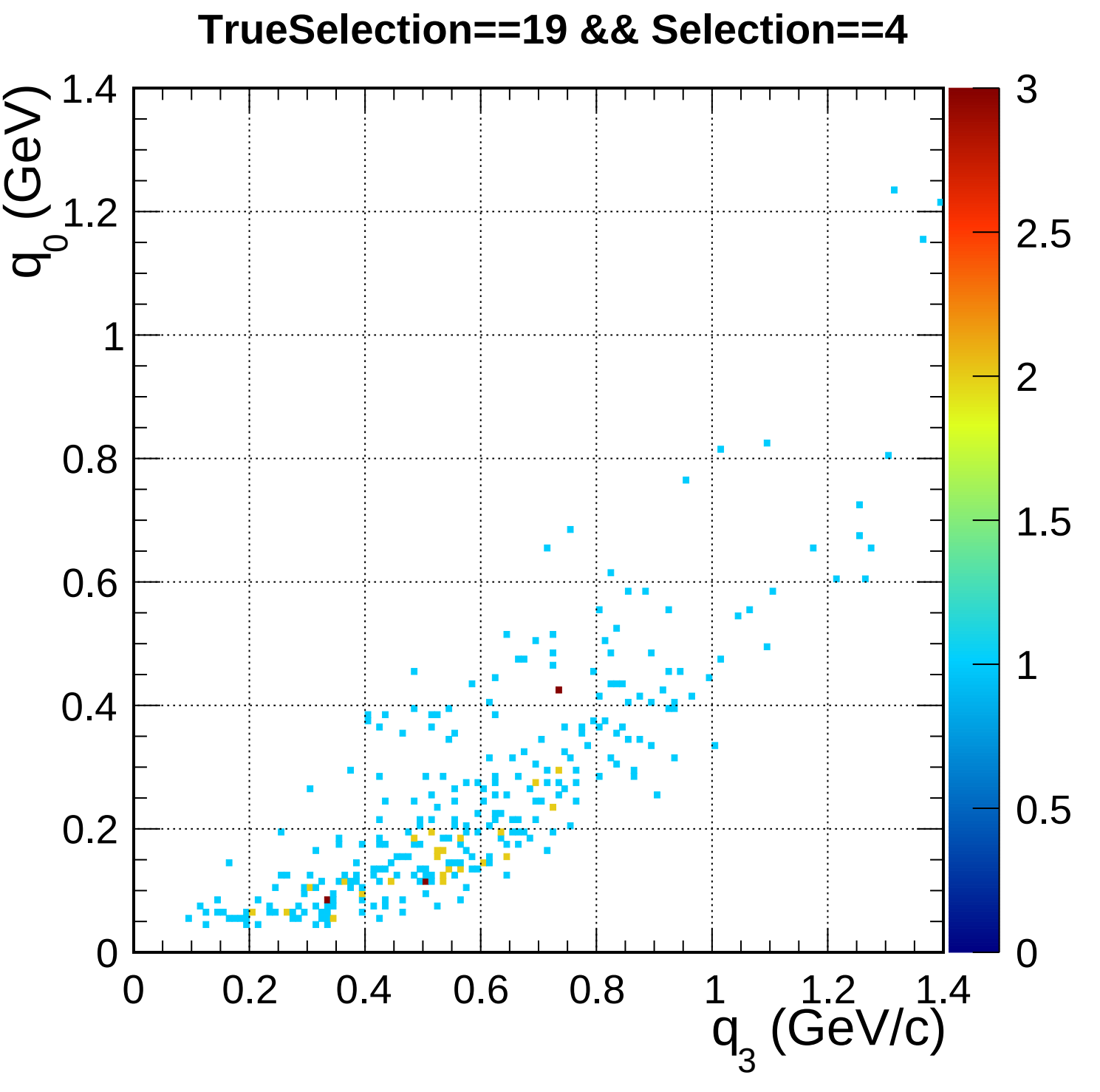

(TrueSelection==5 && Selection>0)/(TrueSelection==5)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

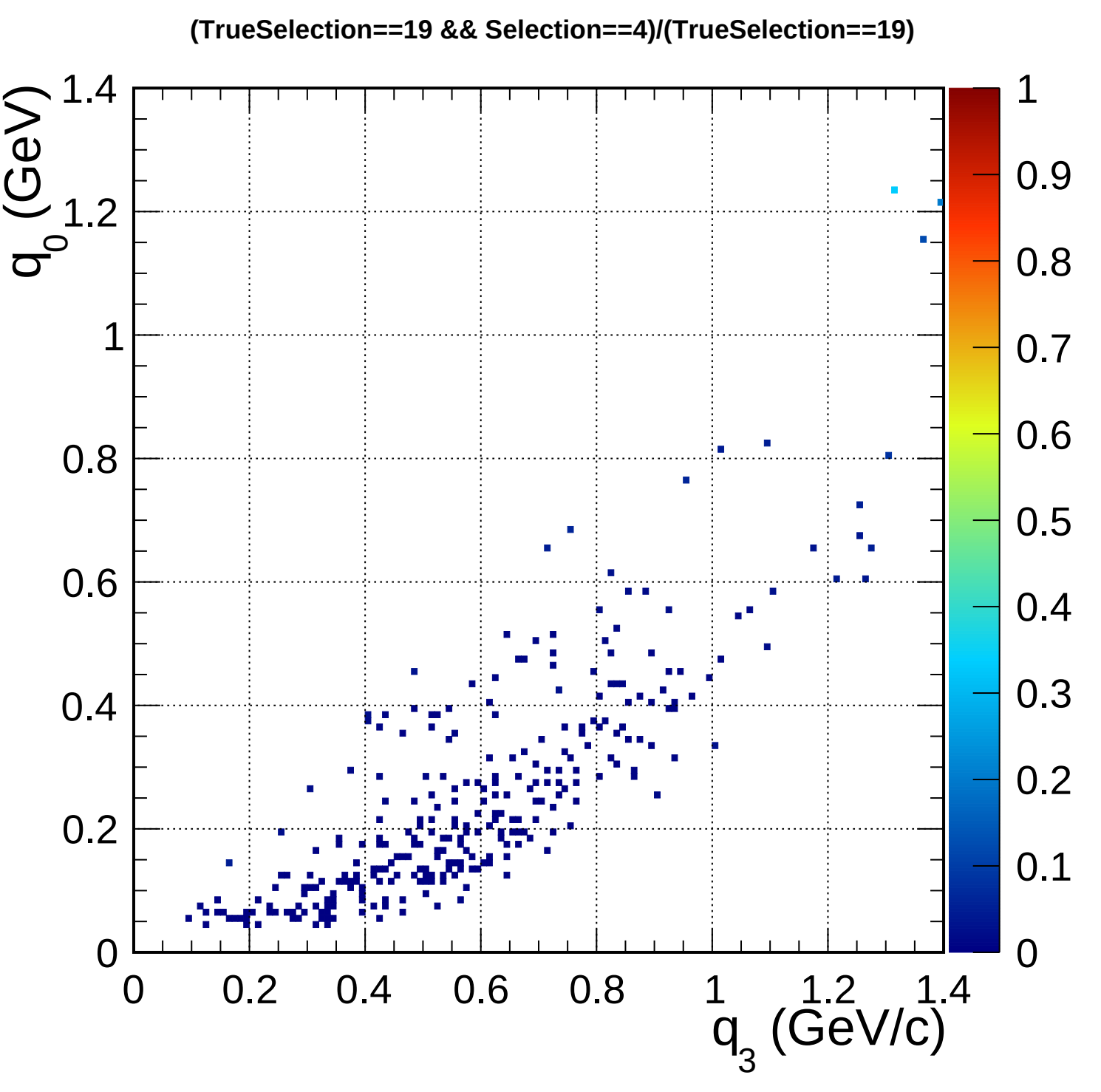

TrueSelection==19 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500

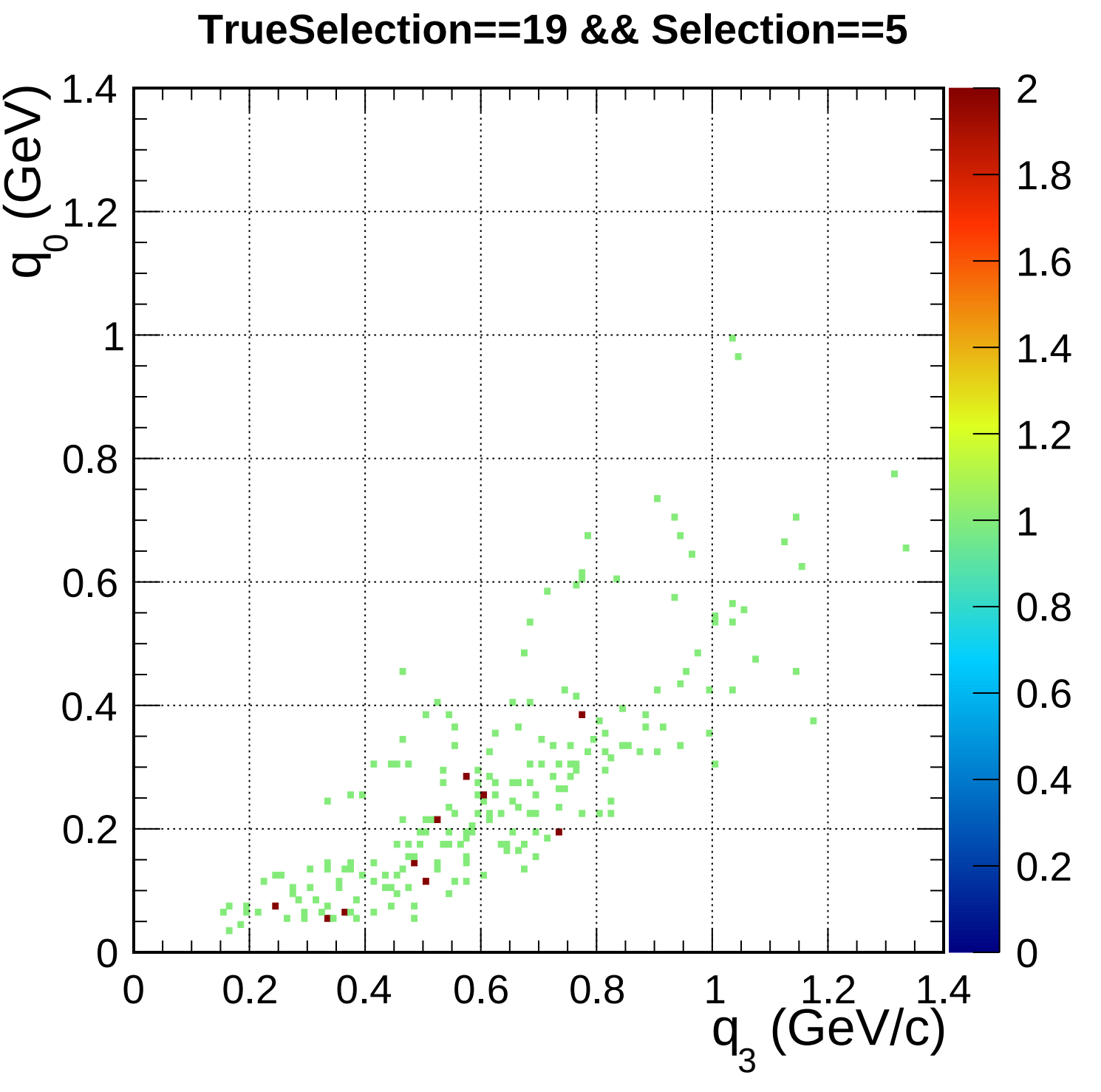

(TrueSelection==19 && Selection<0)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

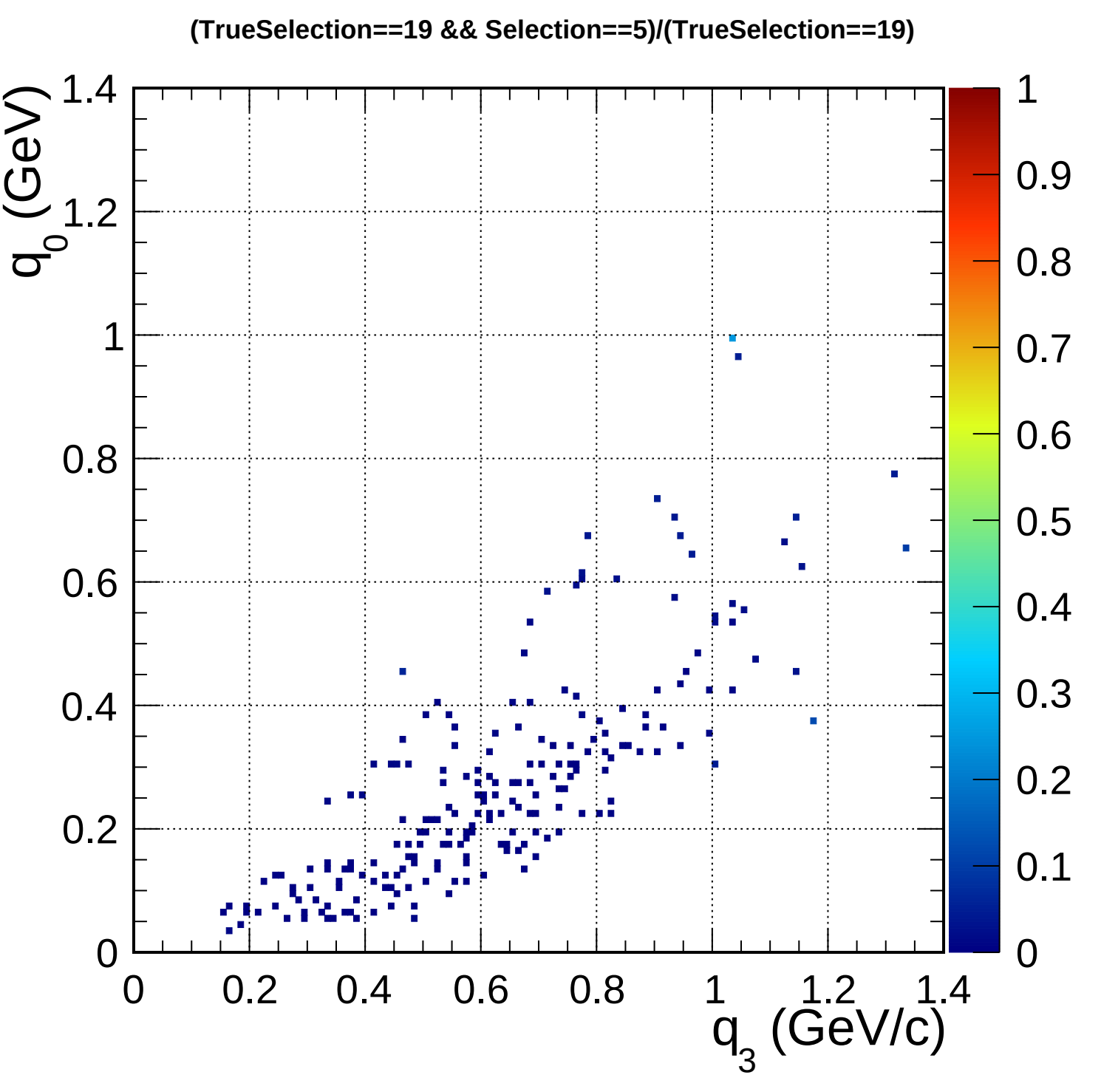

TrueSelection==19 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6

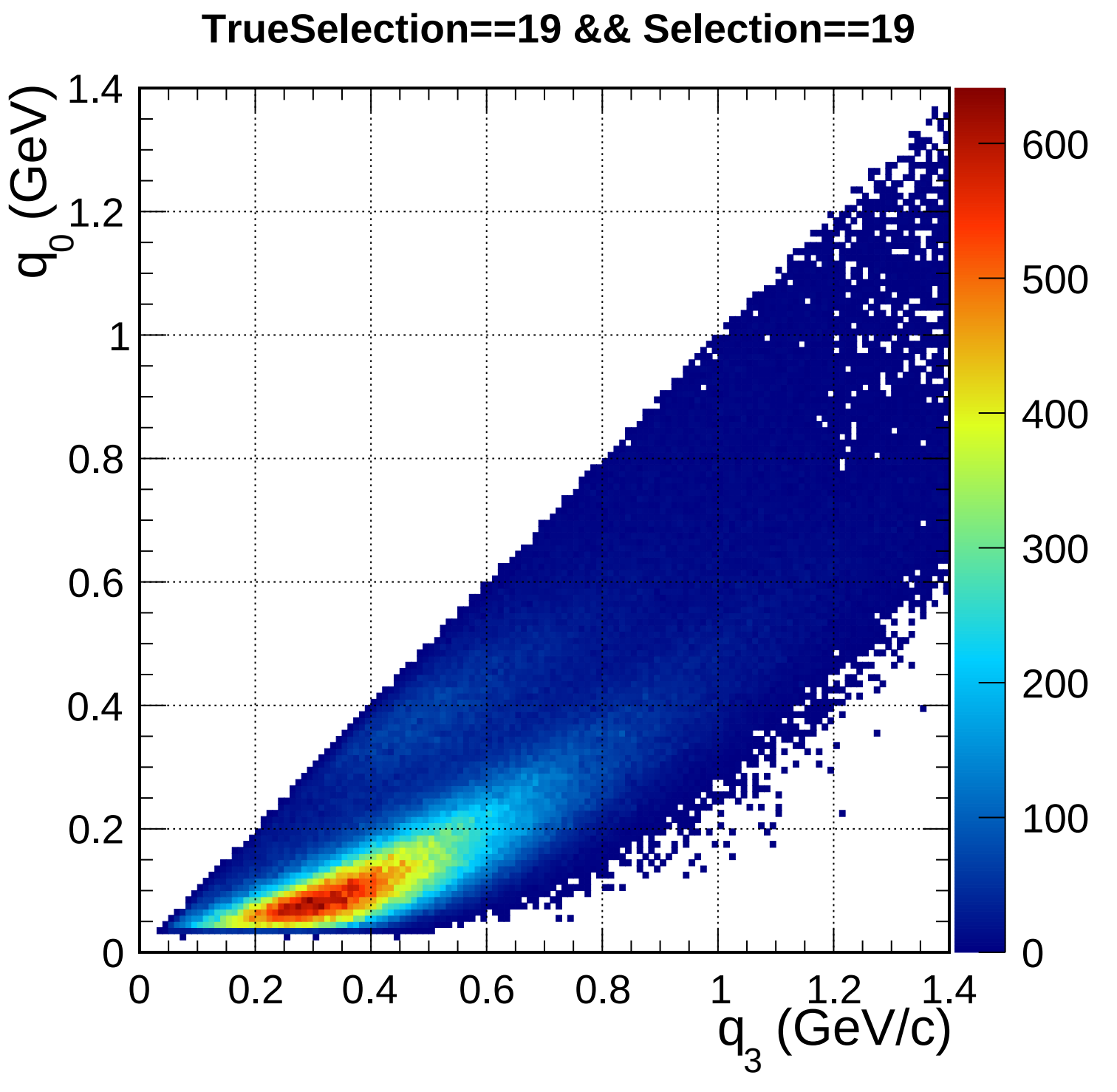

(TrueSelection==19 && Selection==3)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

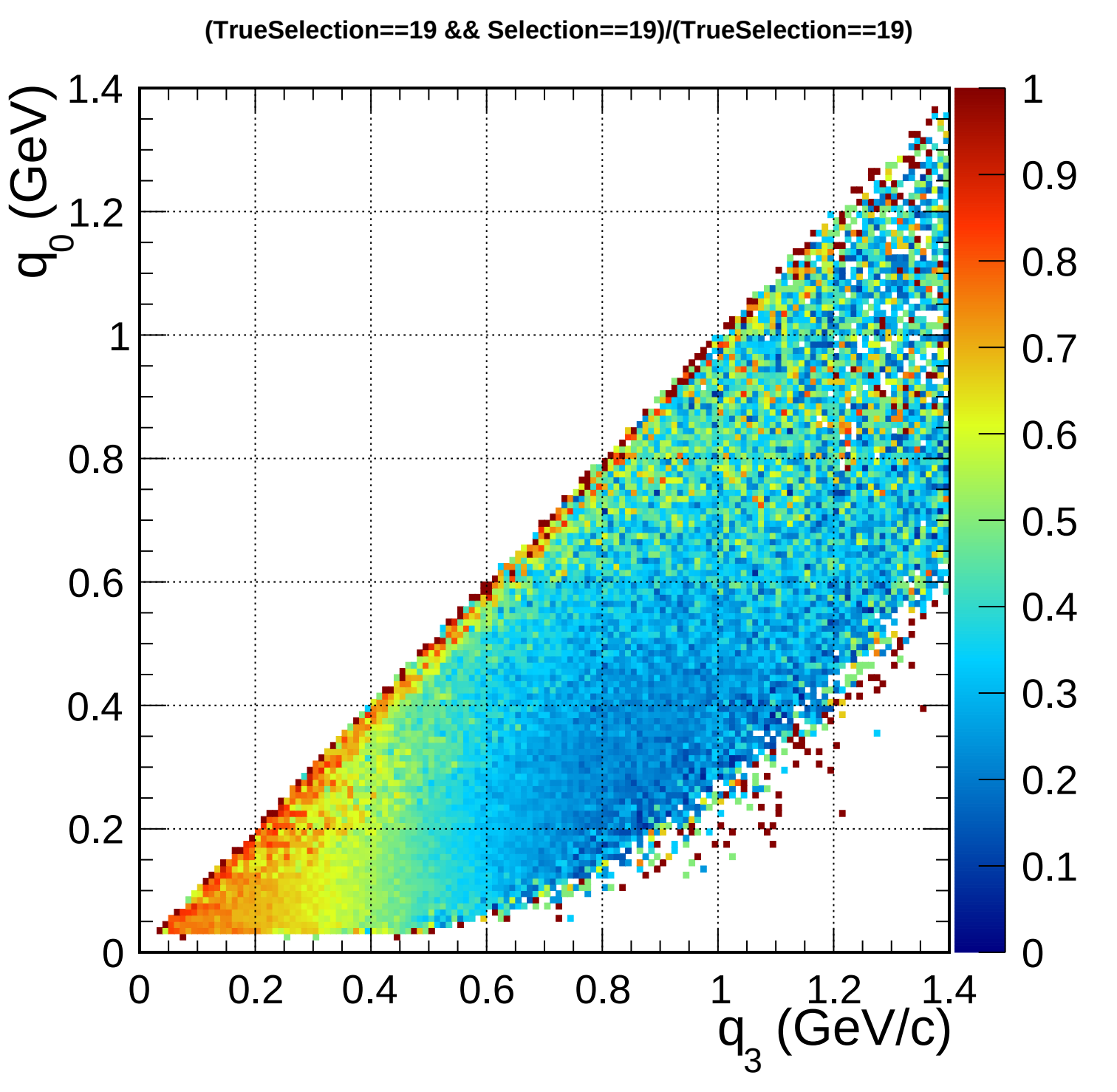

TrueSelection==19 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

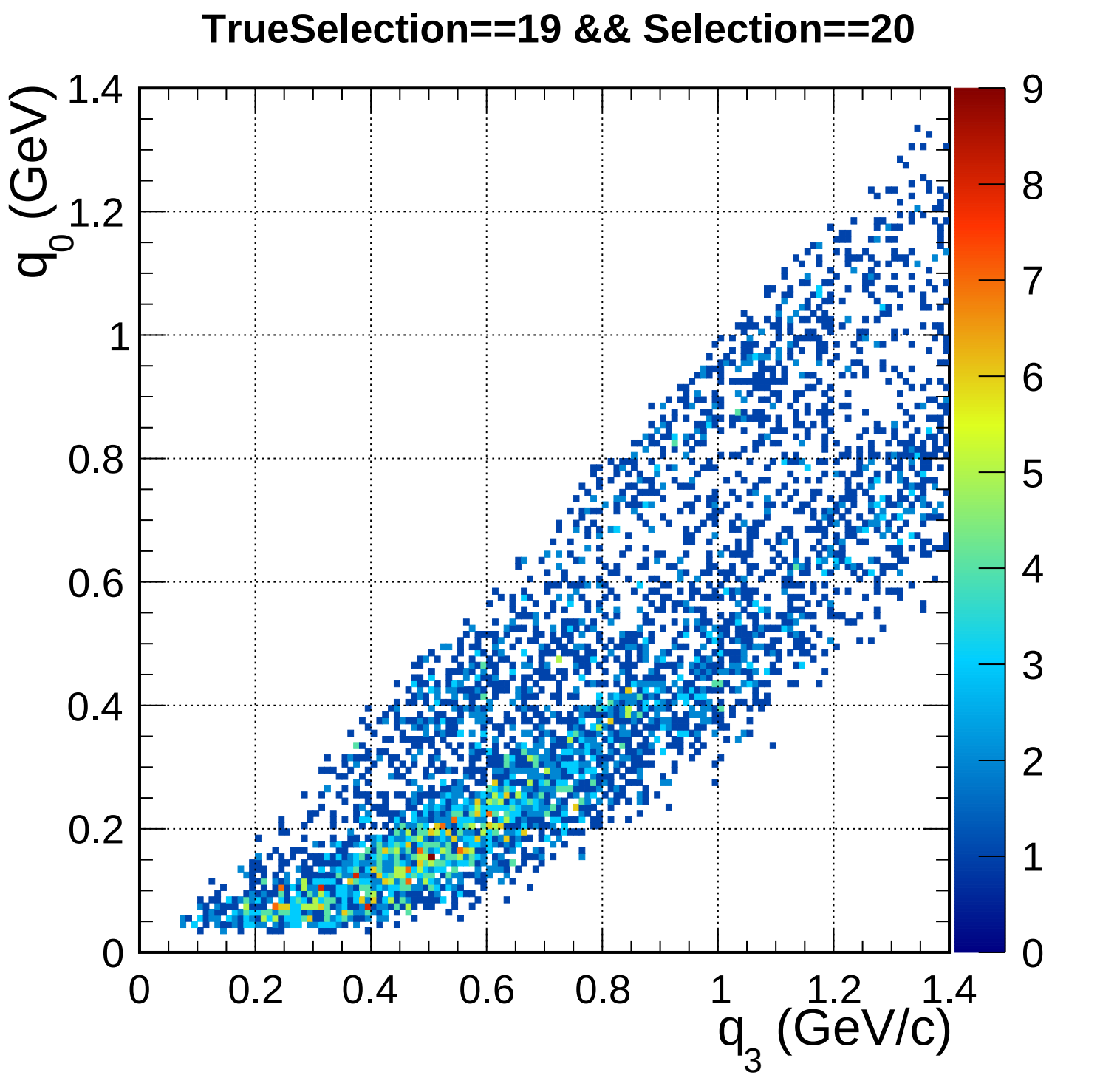

(TrueSelection==19 && Selection==4)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

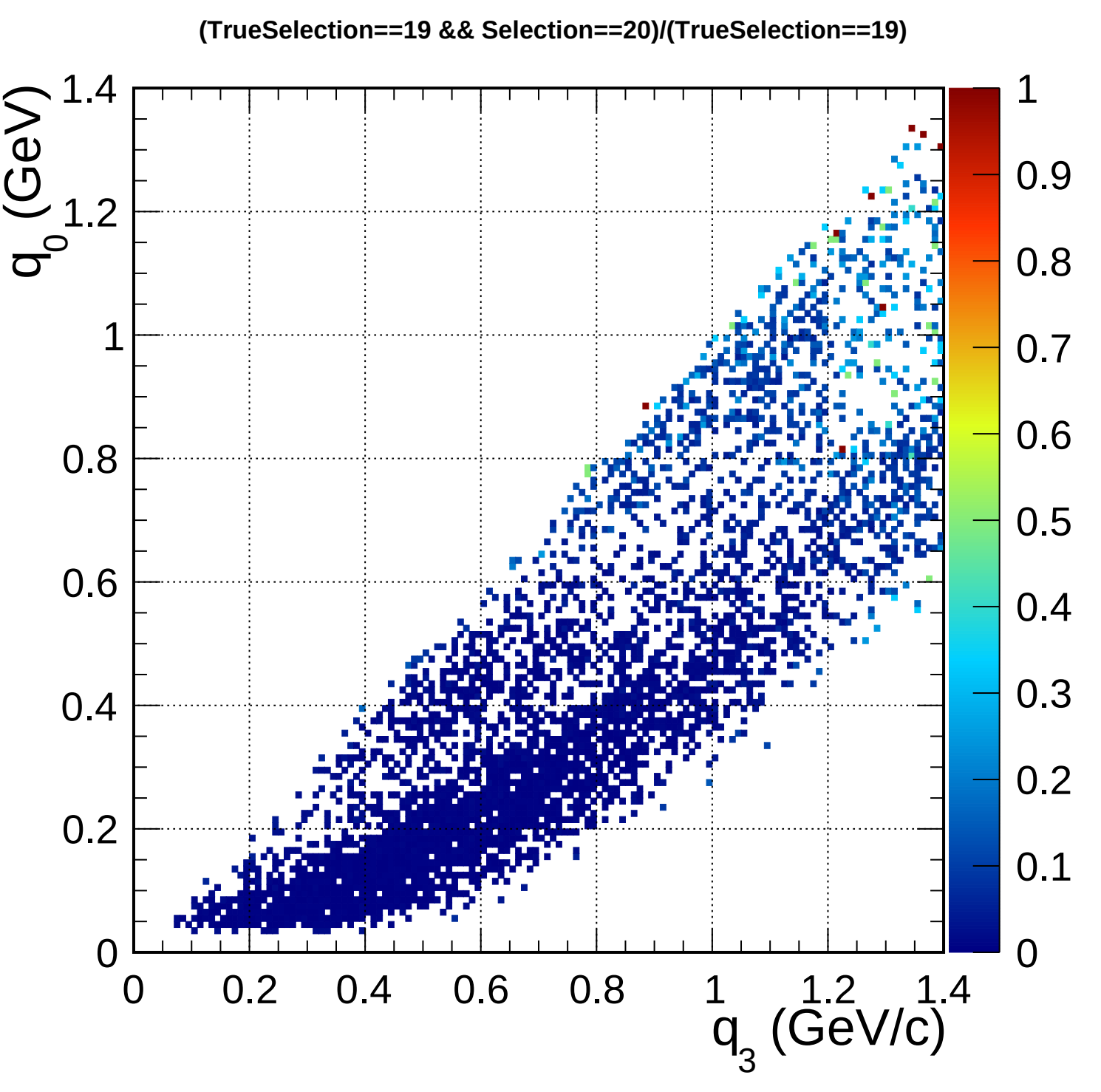

TrueSelection==19 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

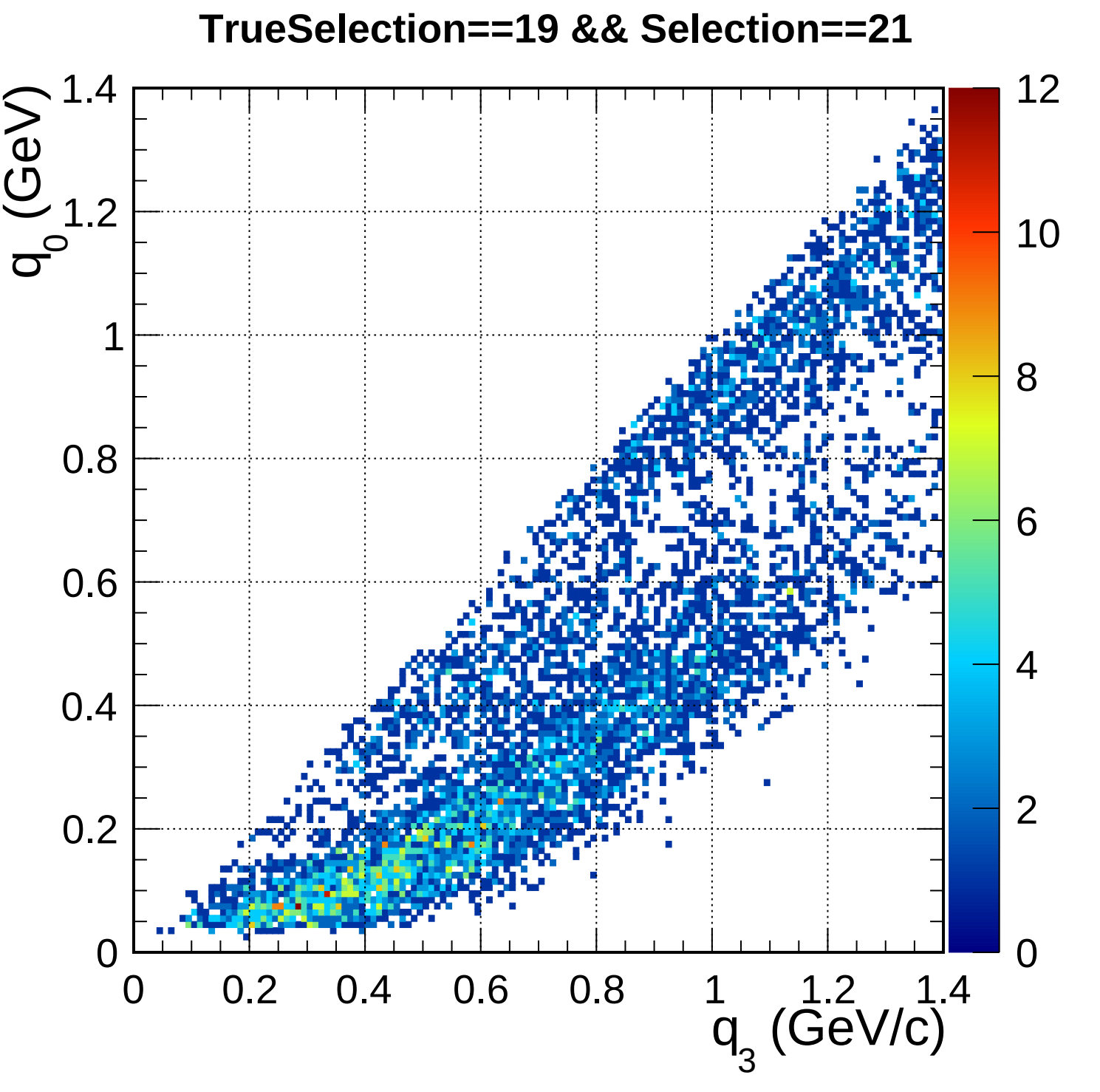

(TrueSelection==19 && Selection==5)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

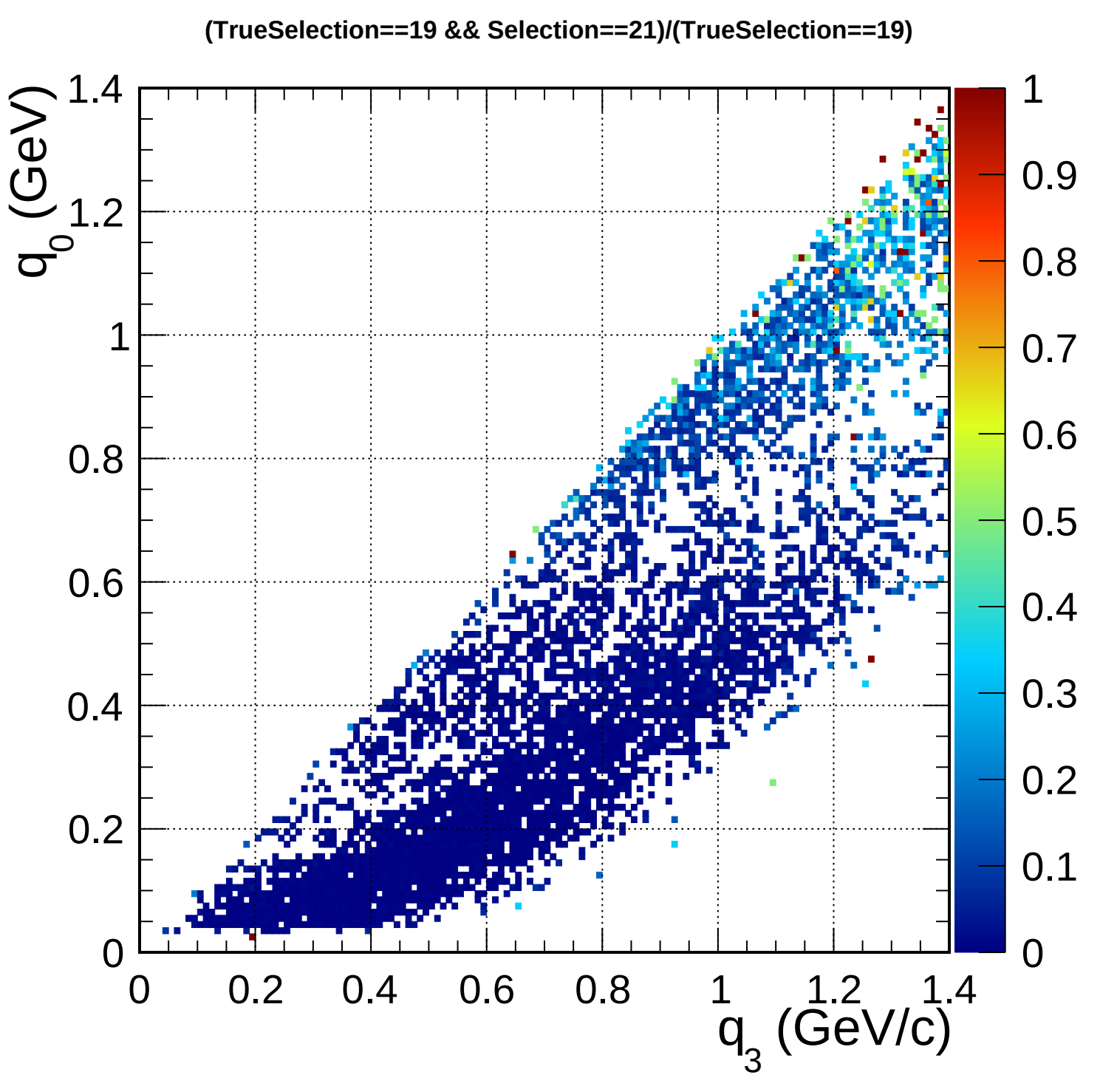

TrueSelection==19 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600

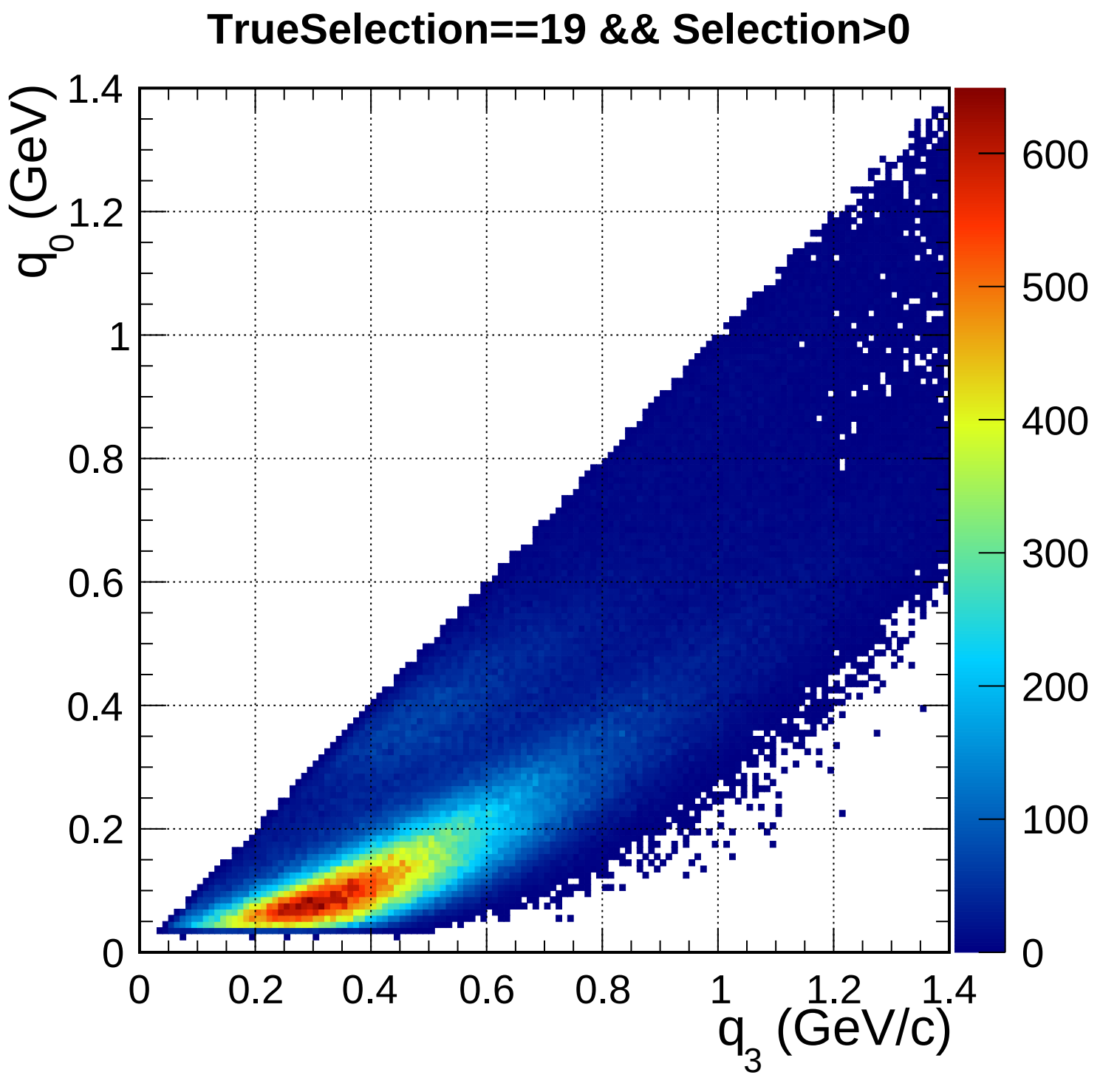

(TrueSelection==19 && Selection==19)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

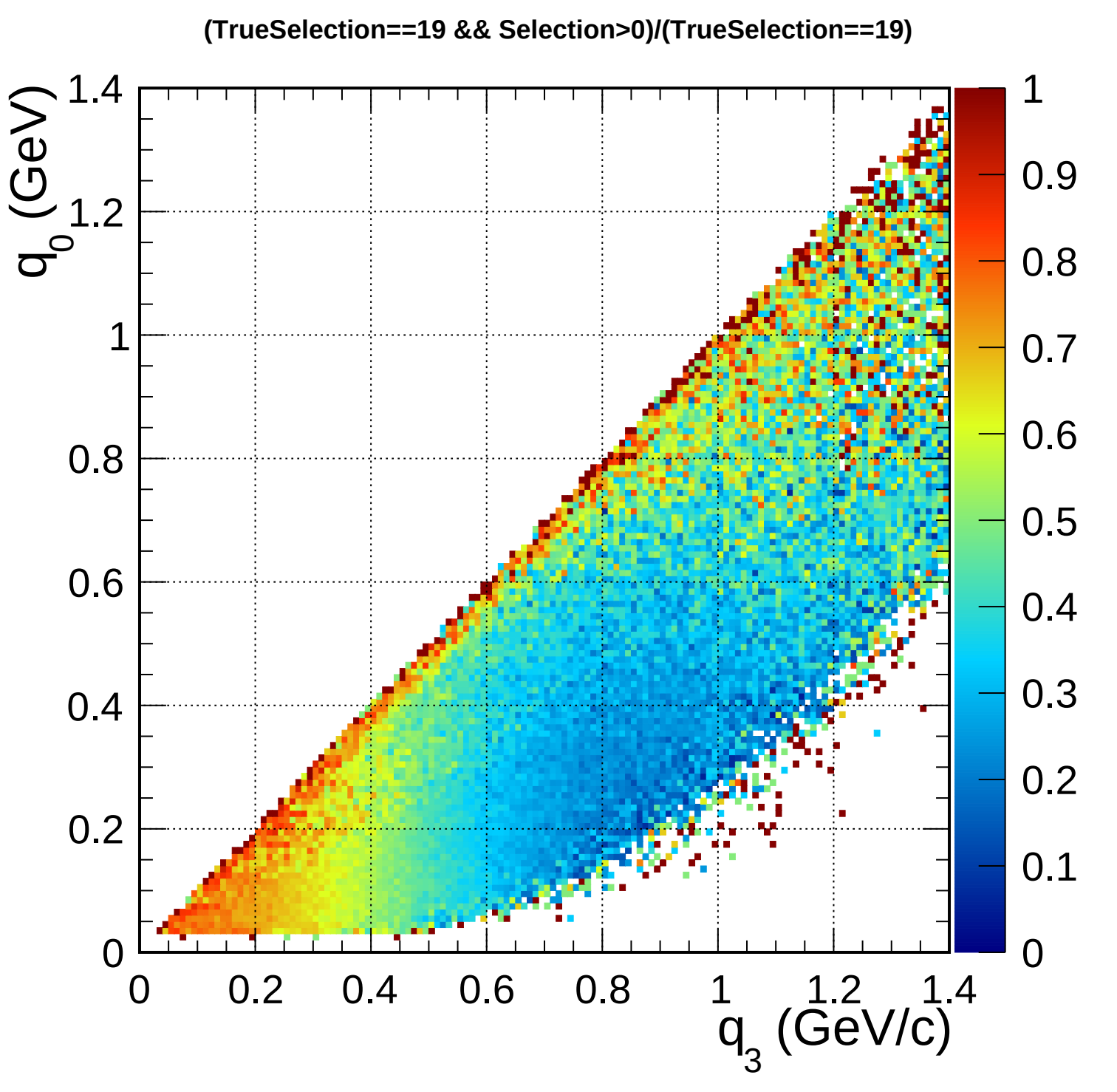

TrueSelection==19 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

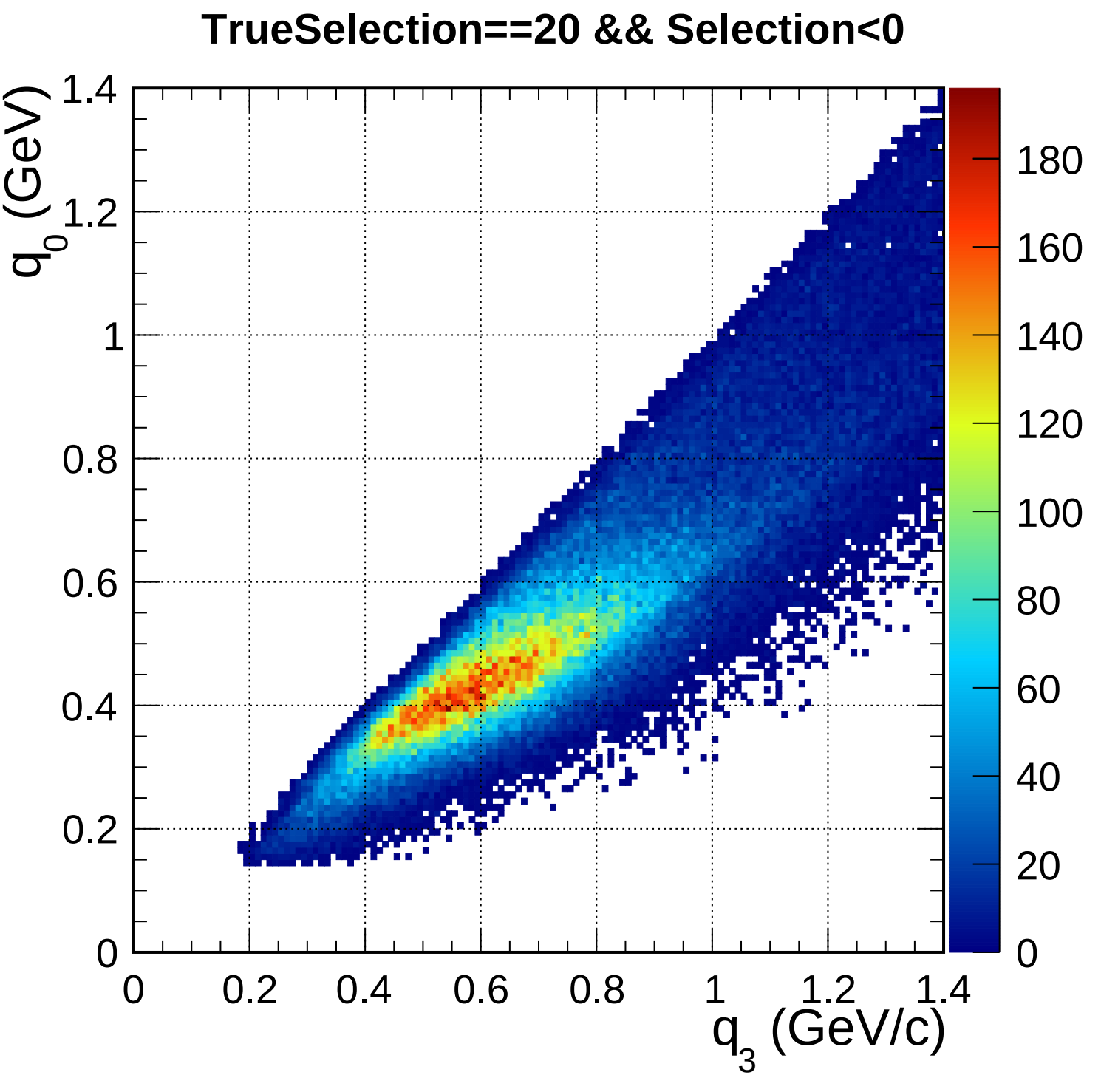

(TrueSelection==19 && Selection==20)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

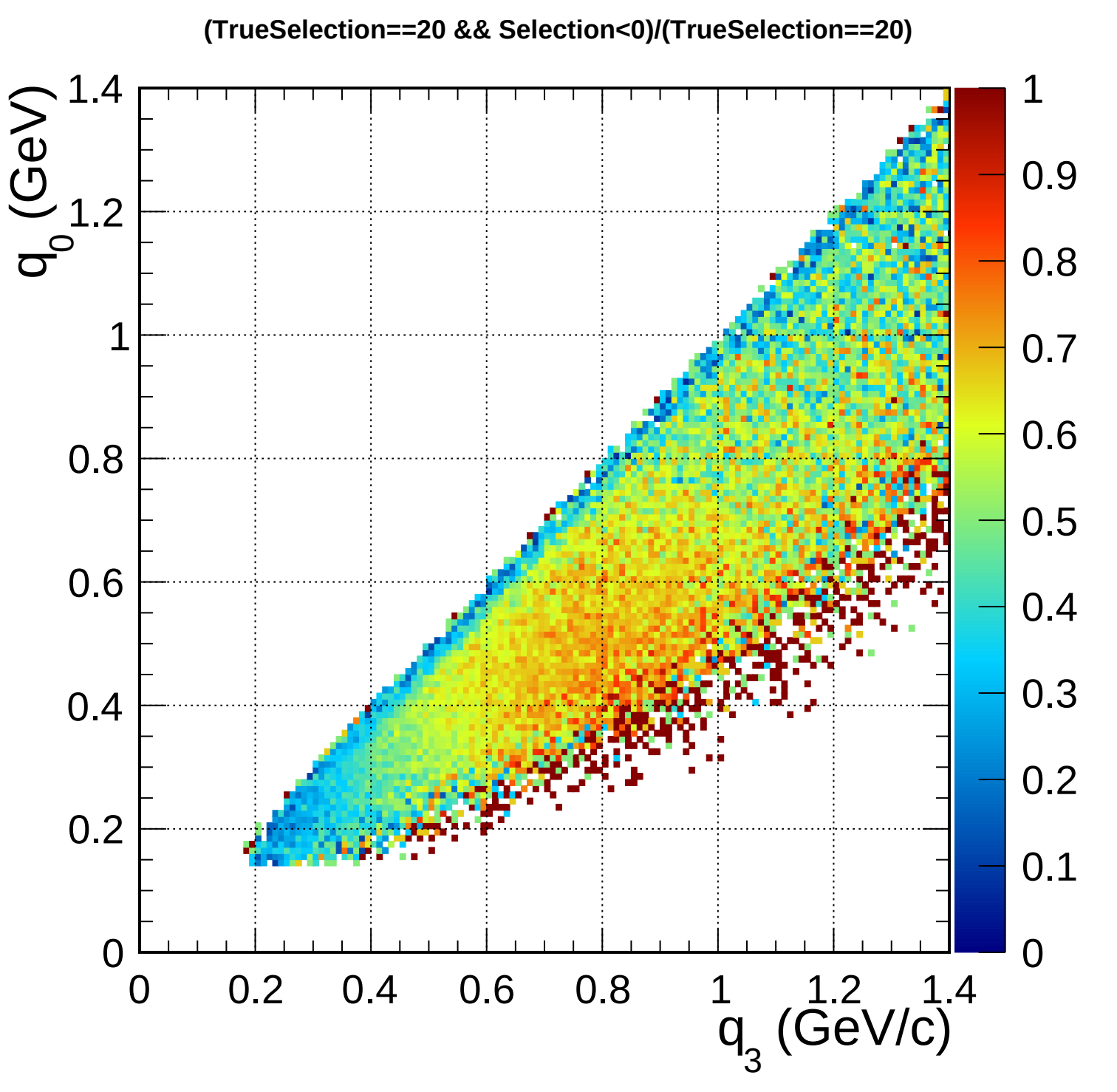

TrueSelection==19 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

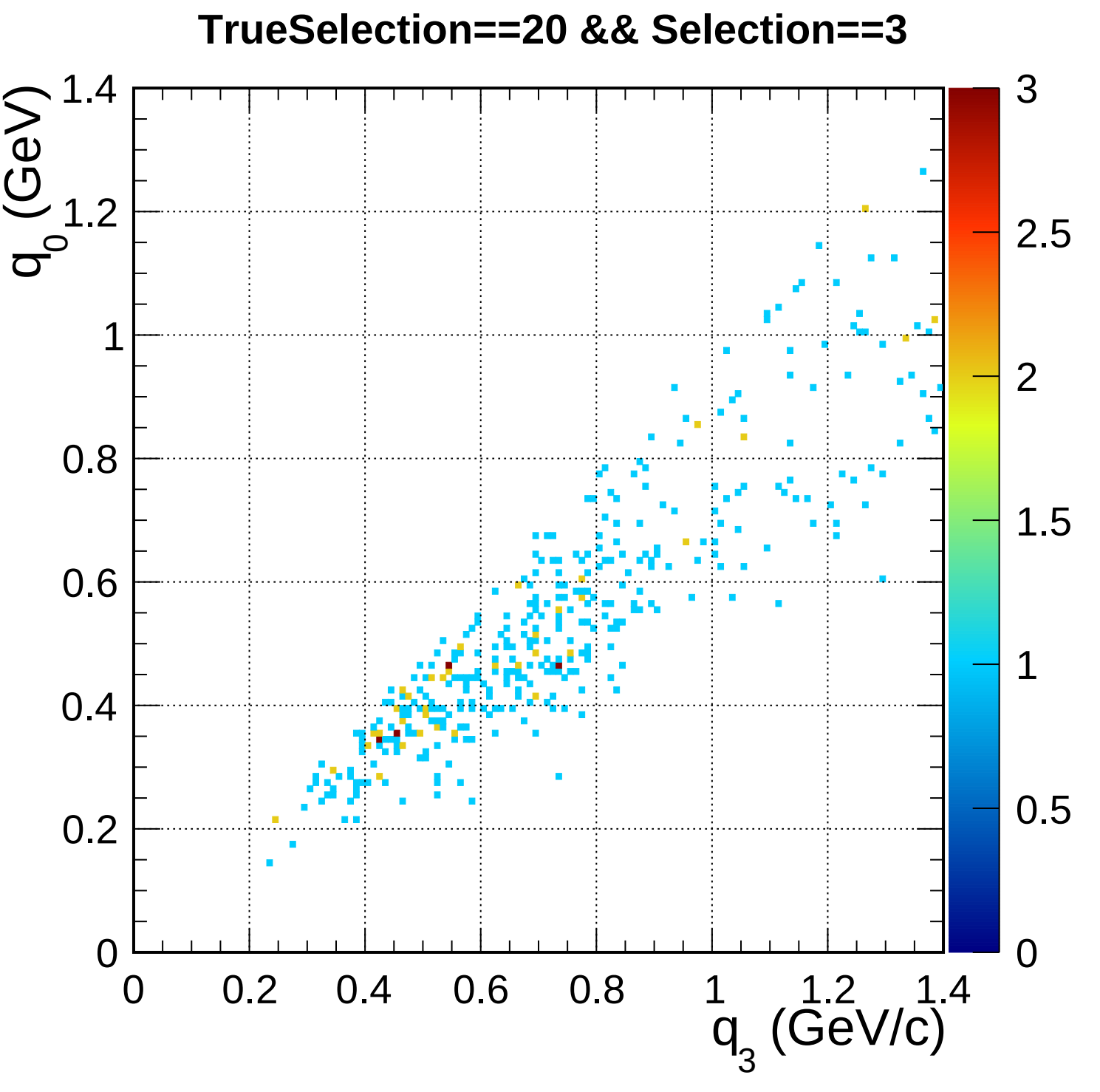

(TrueSelection==19 && Selection==21)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

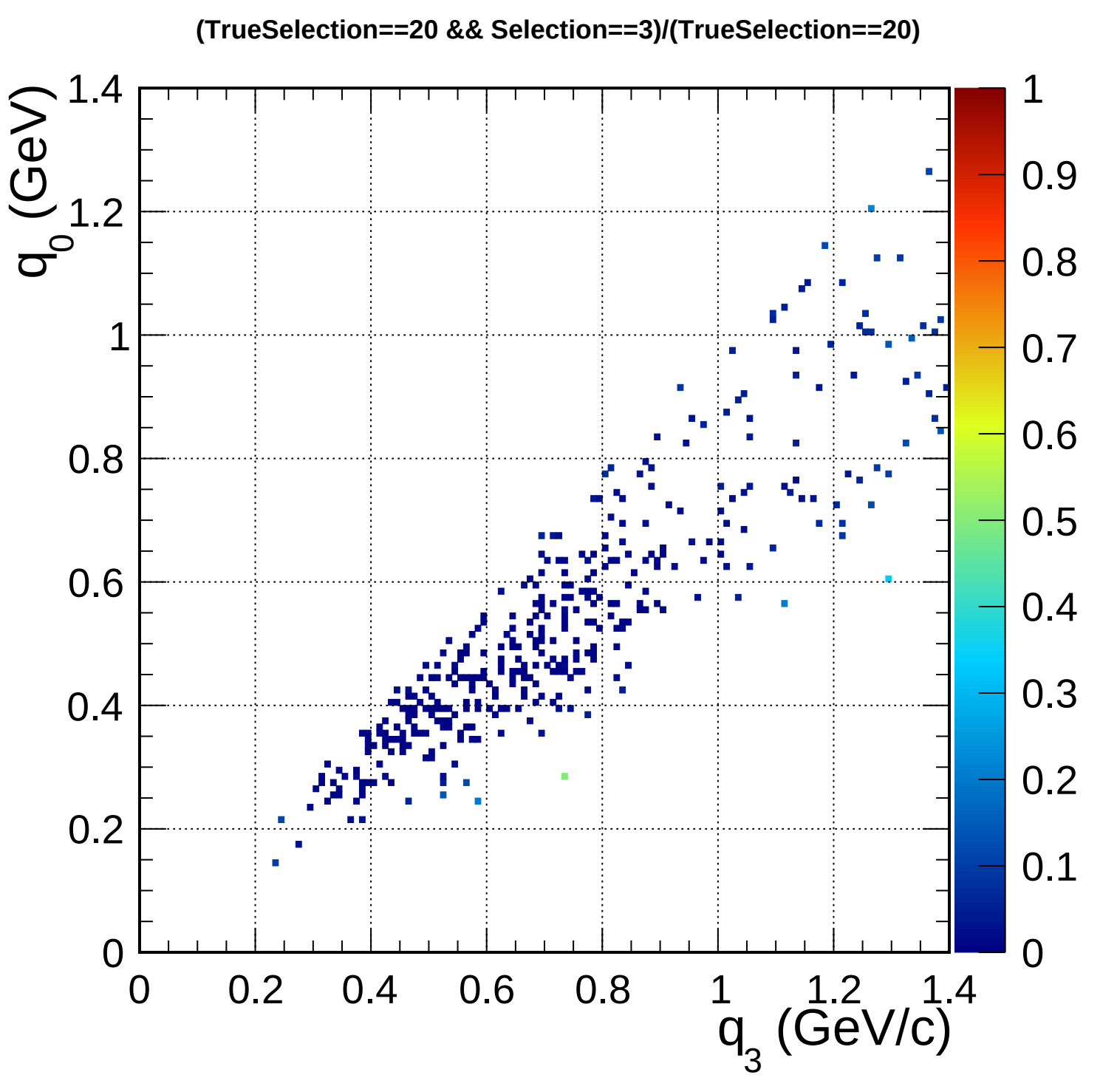

TrueSelection==19 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600

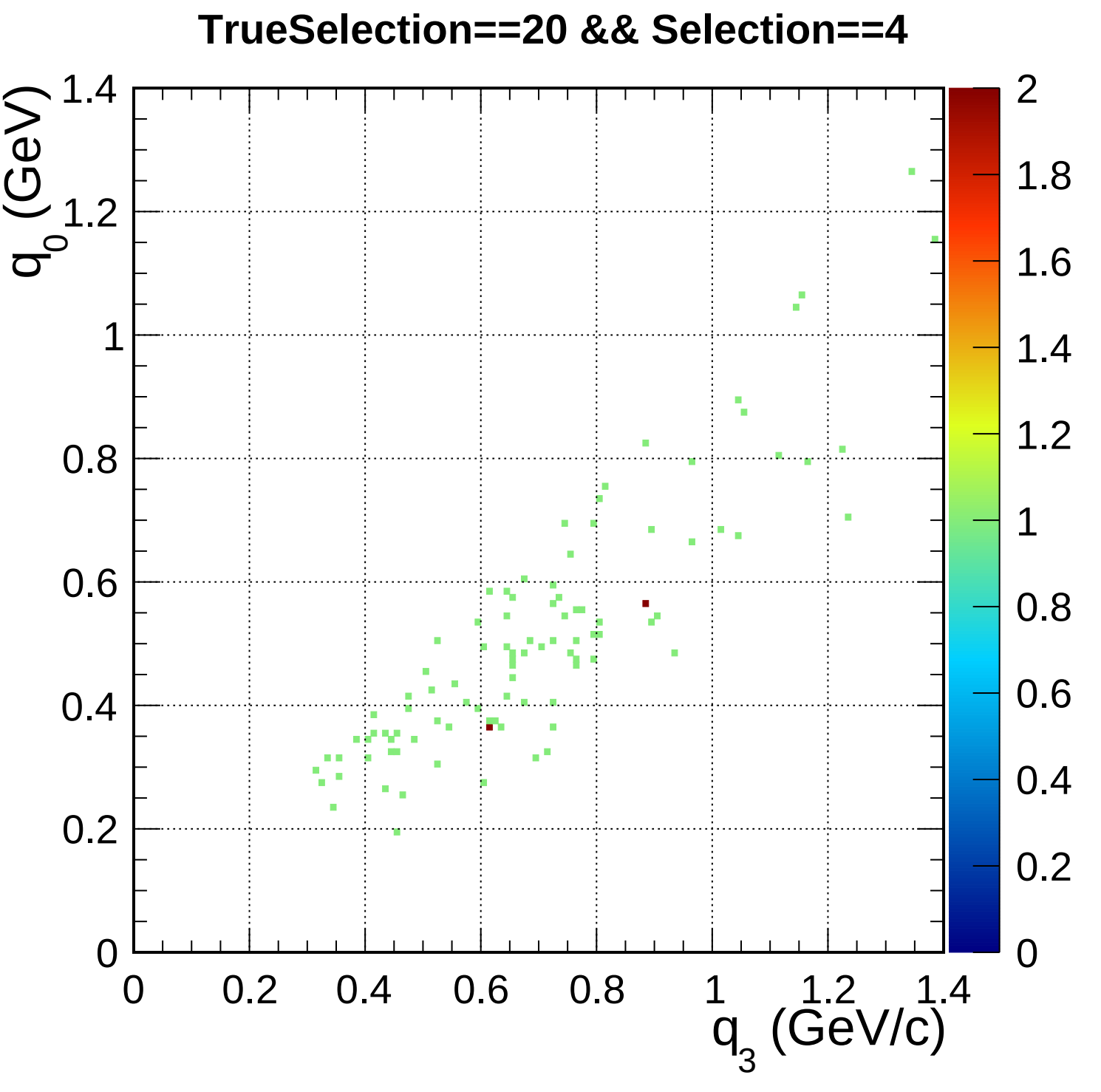

(TrueSelection==19 && Selection>0)/(TrueSelection==19)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

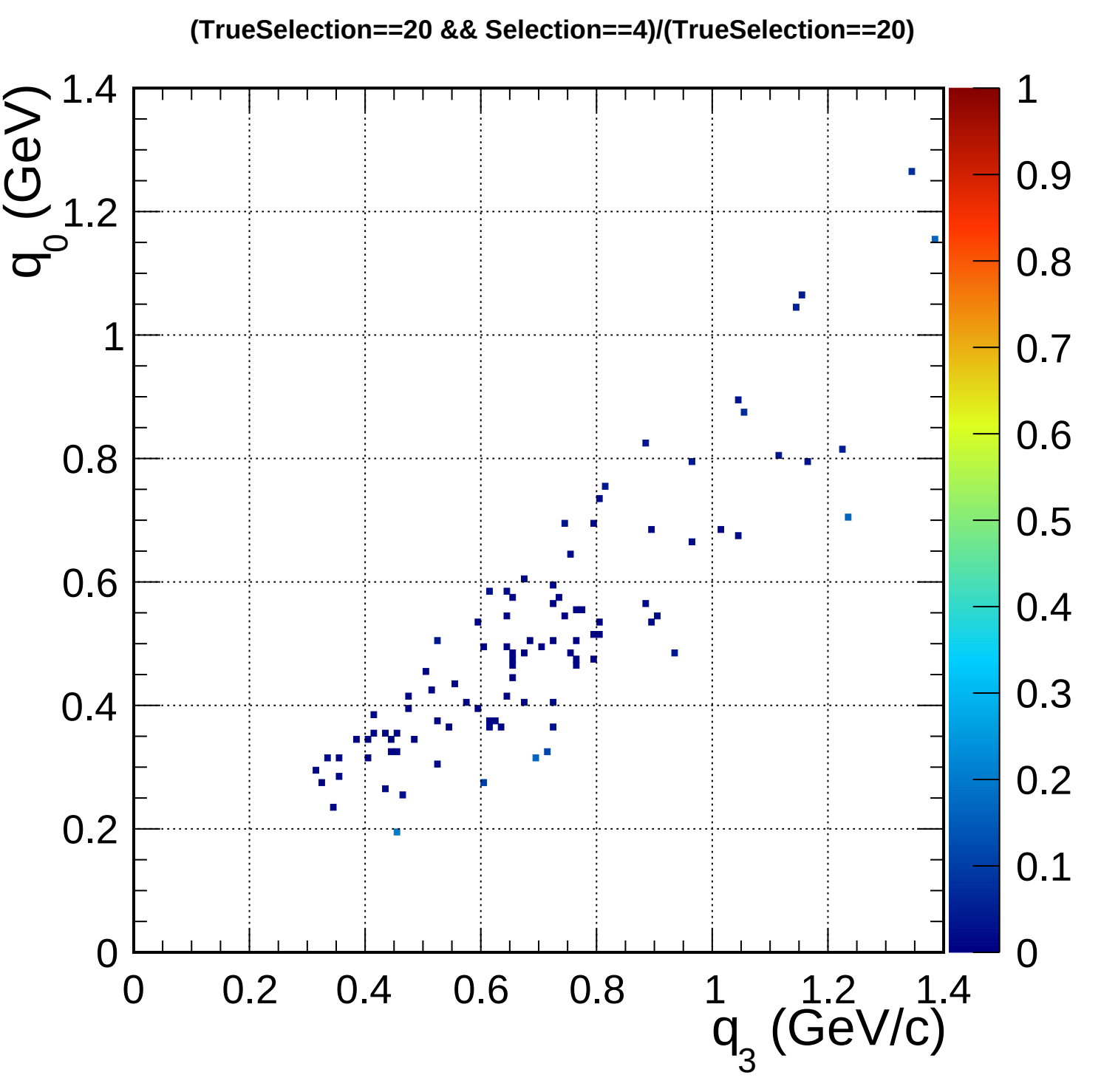

TrueSelection==20 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140
160
180

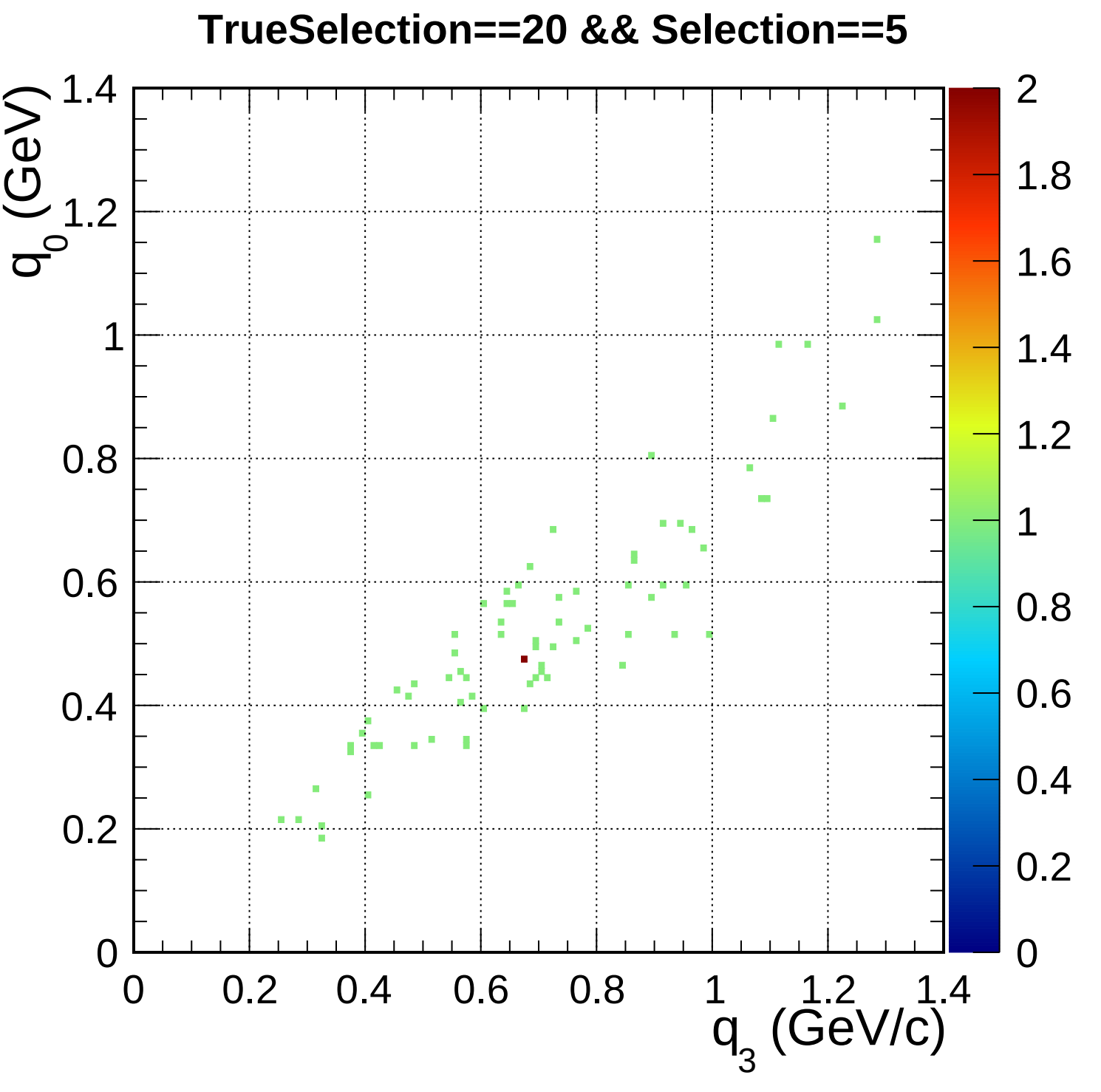

(TrueSelection==20 && Selection<0)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

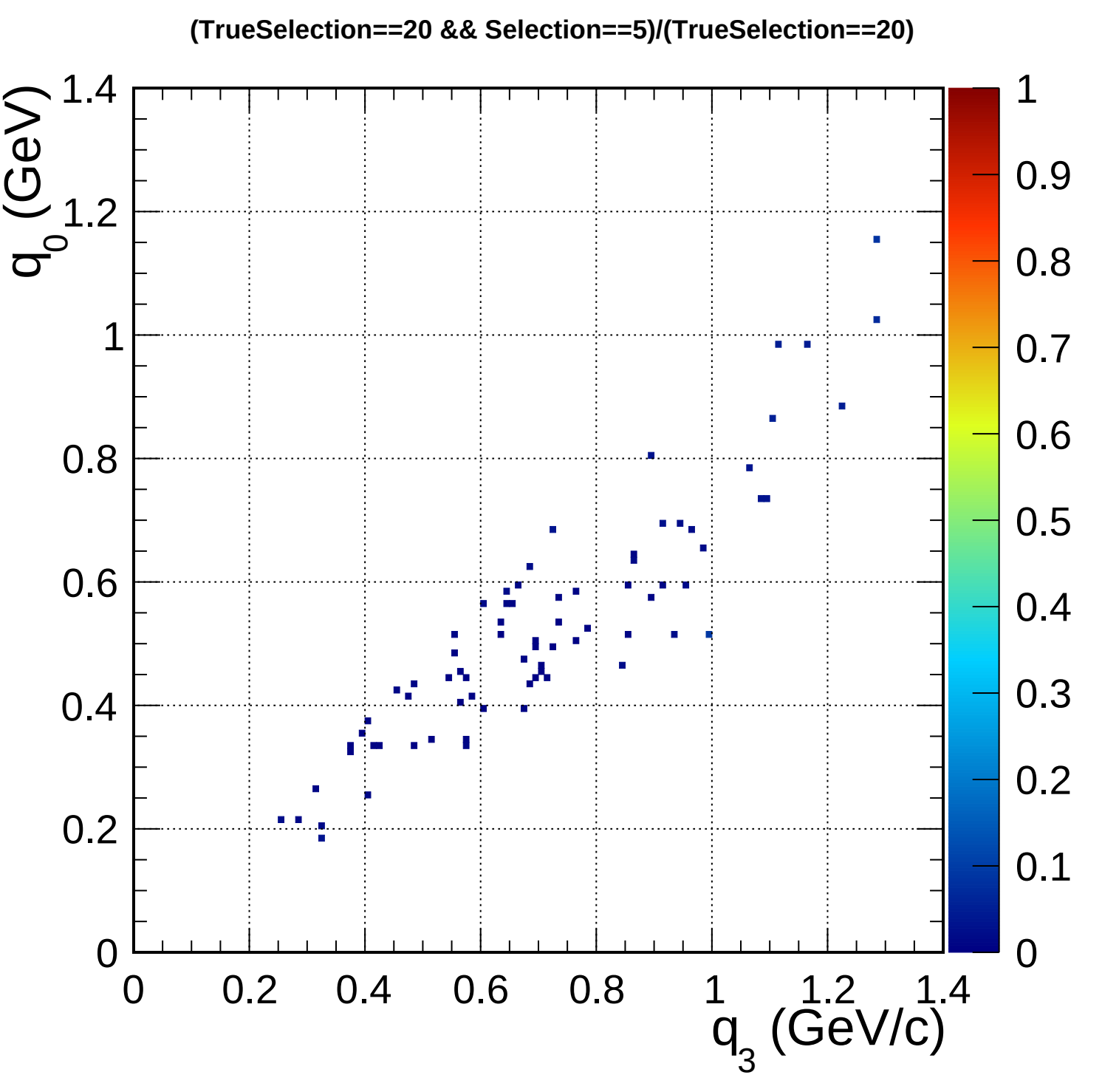

TrueSelection==20 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

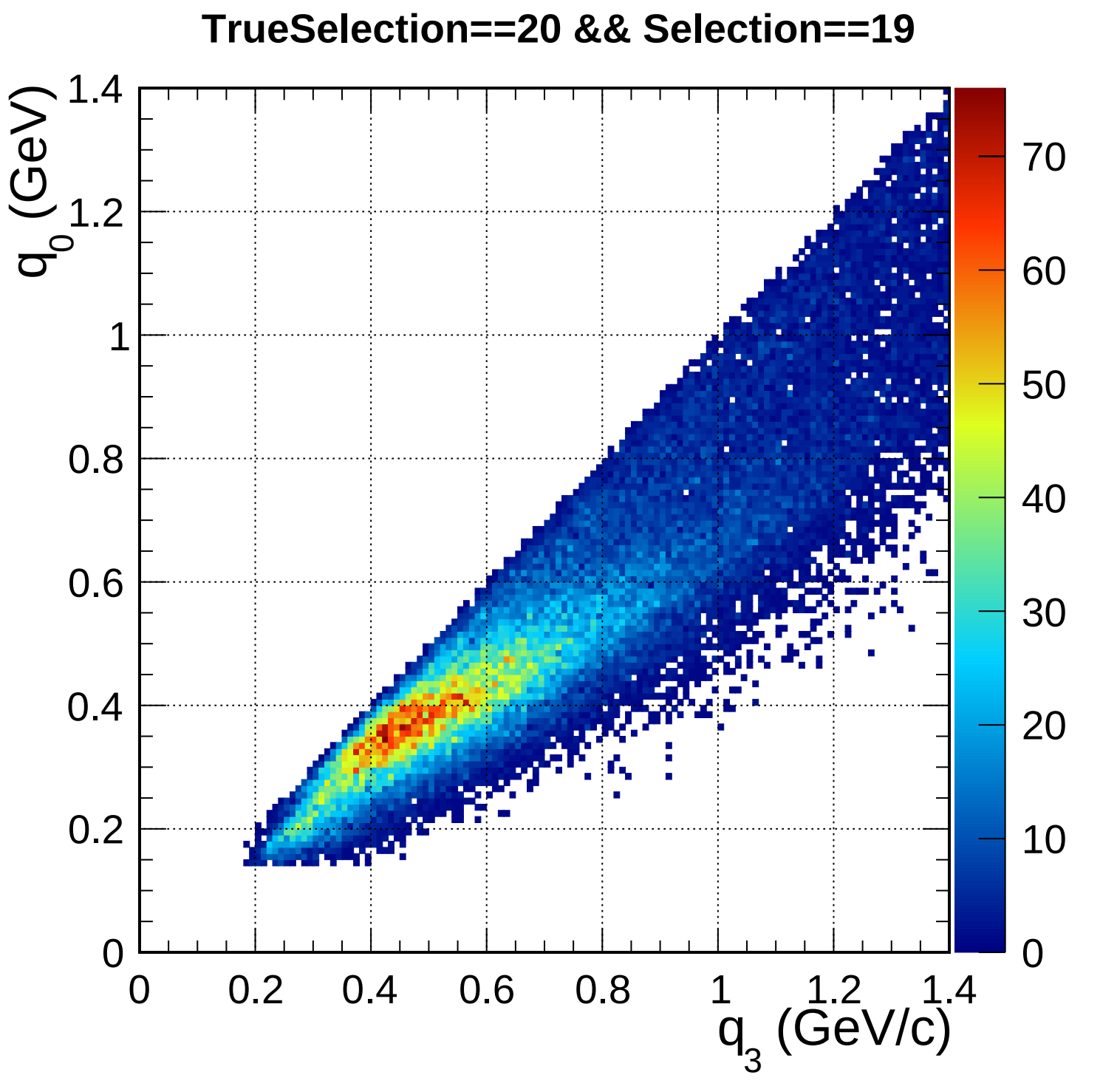

(TrueSelection==20 && Selection==3)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

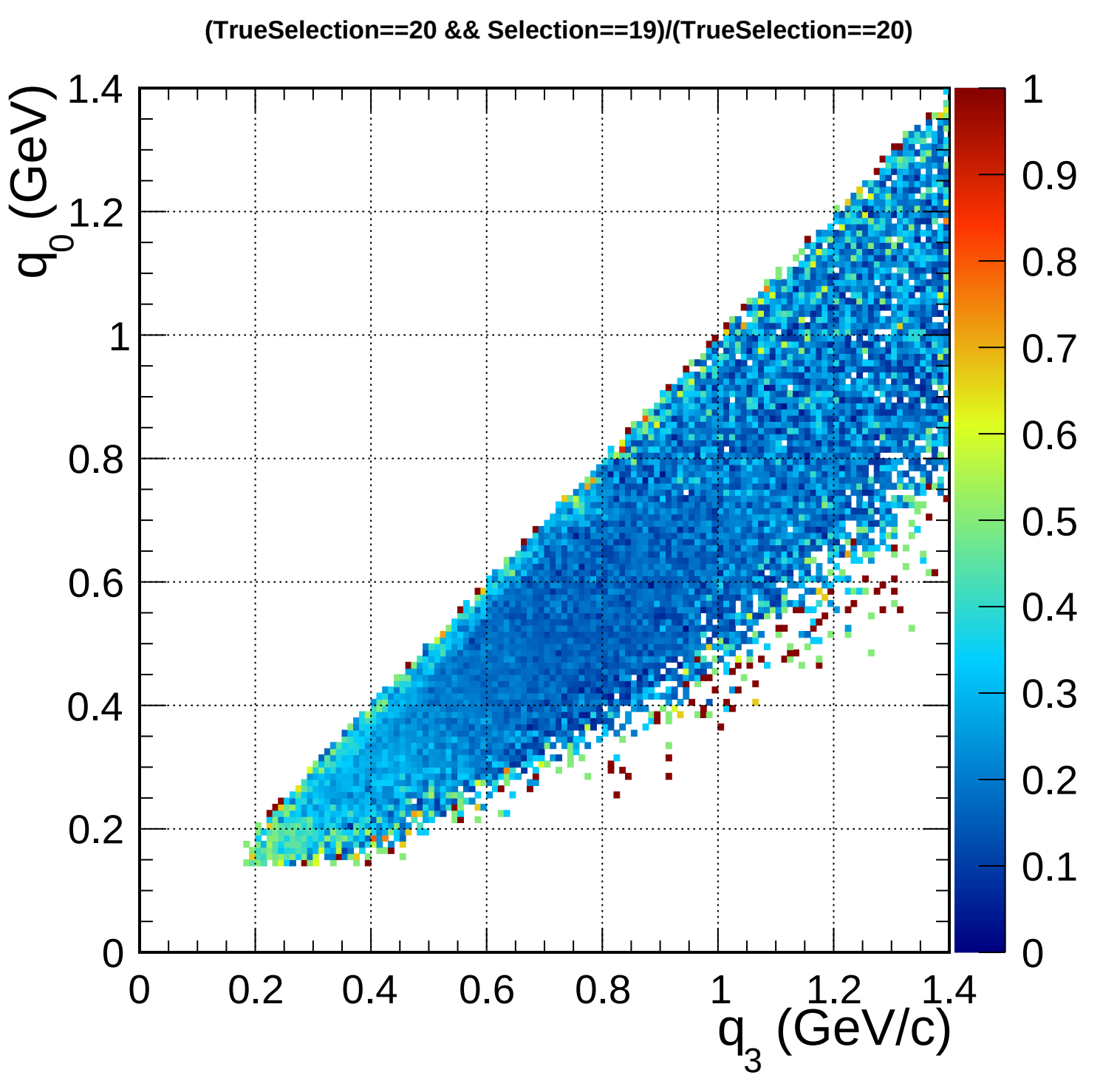

TrueSelection==20 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

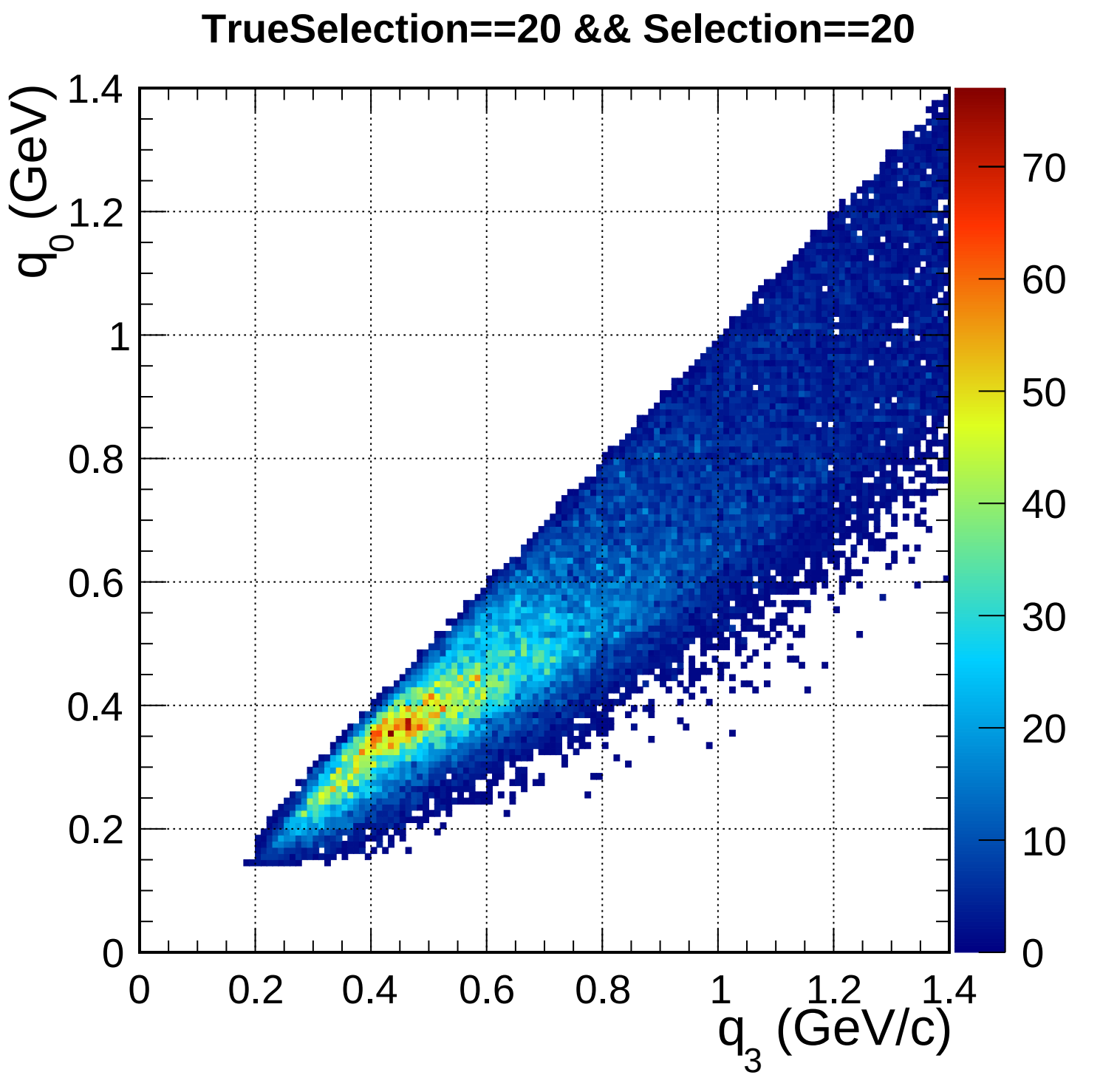

(TrueSelection==20 && Selection==4)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

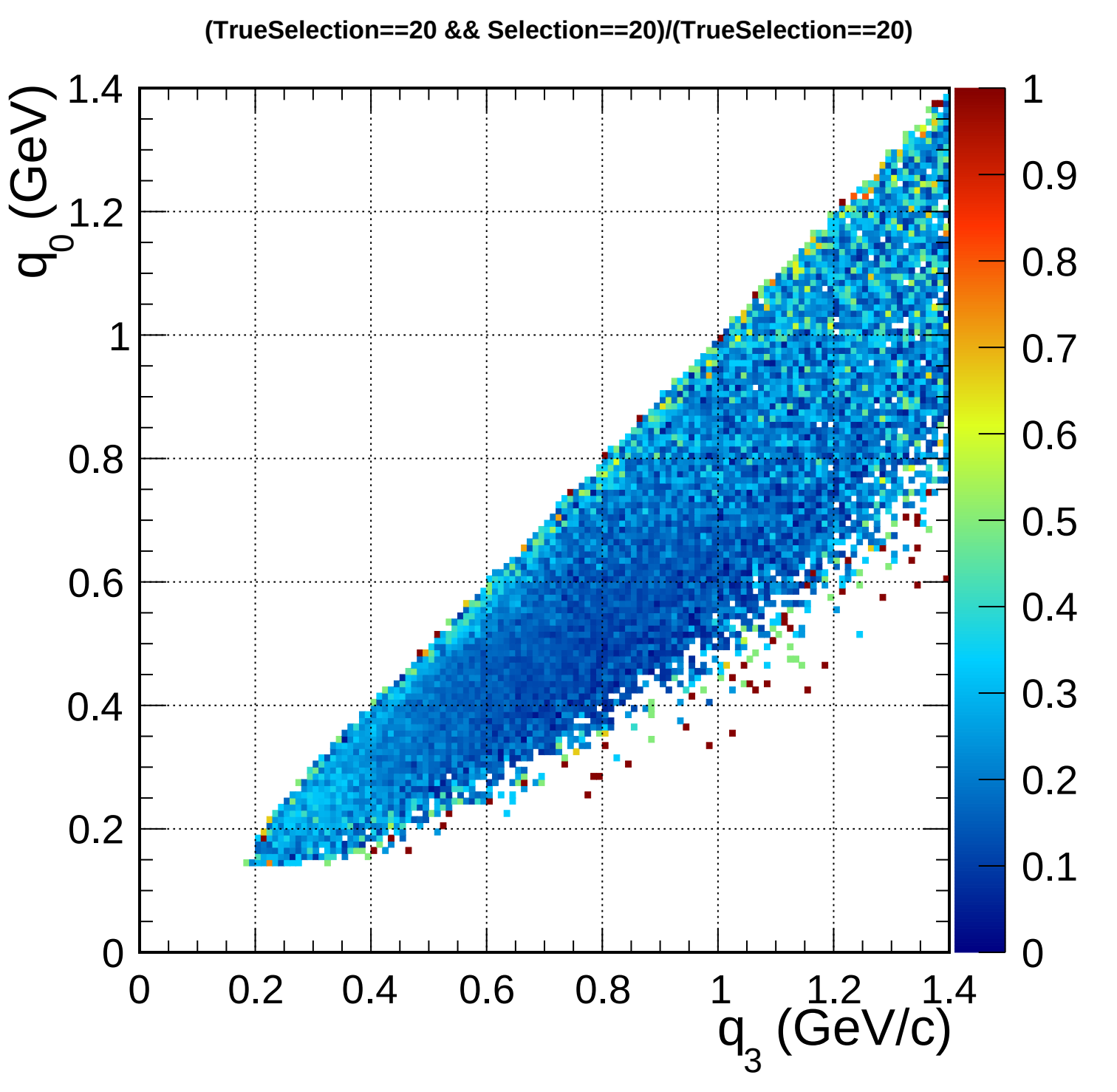

TrueSelection==20 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

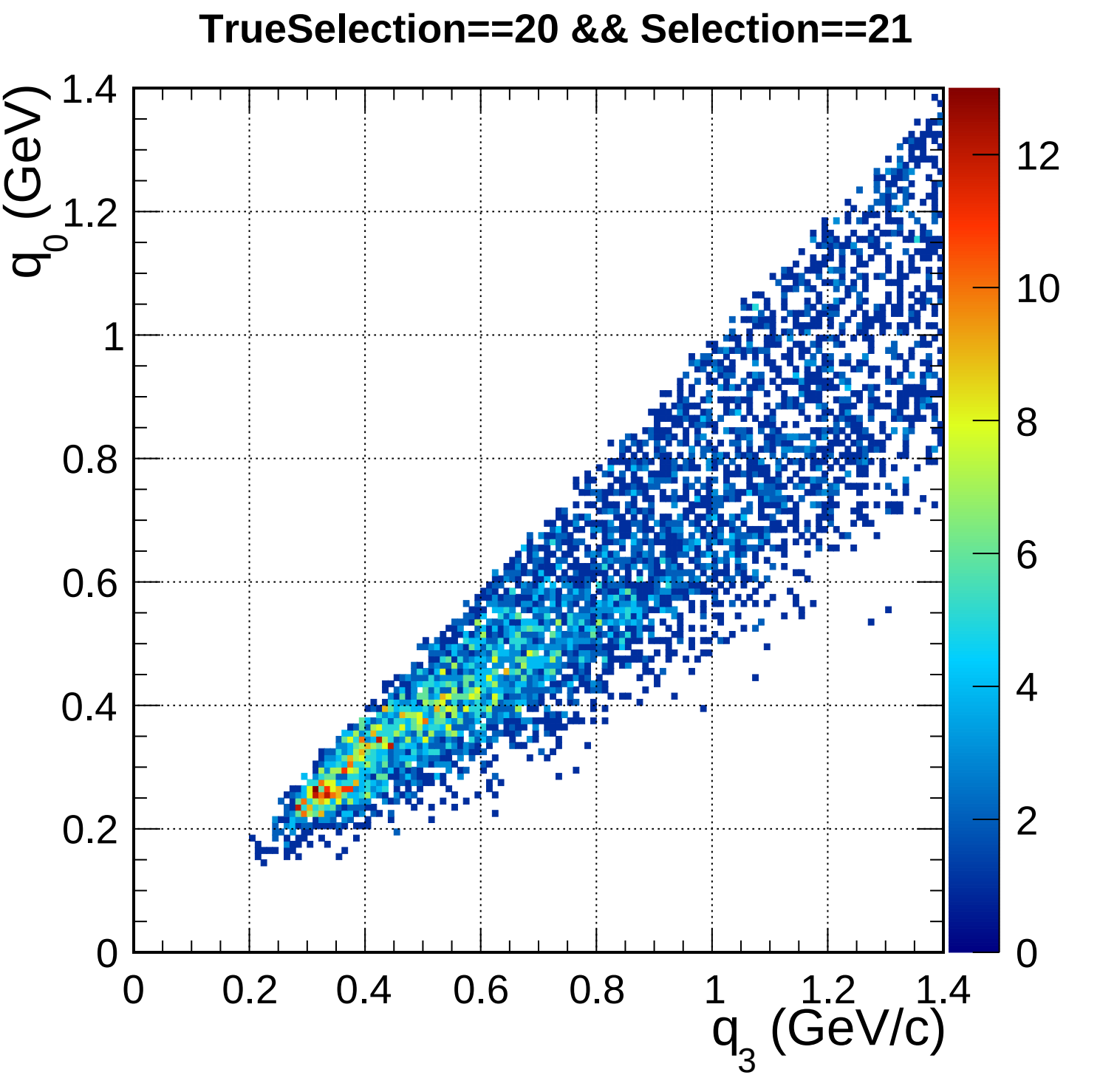

(TrueSelection==20 && Selection==5)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

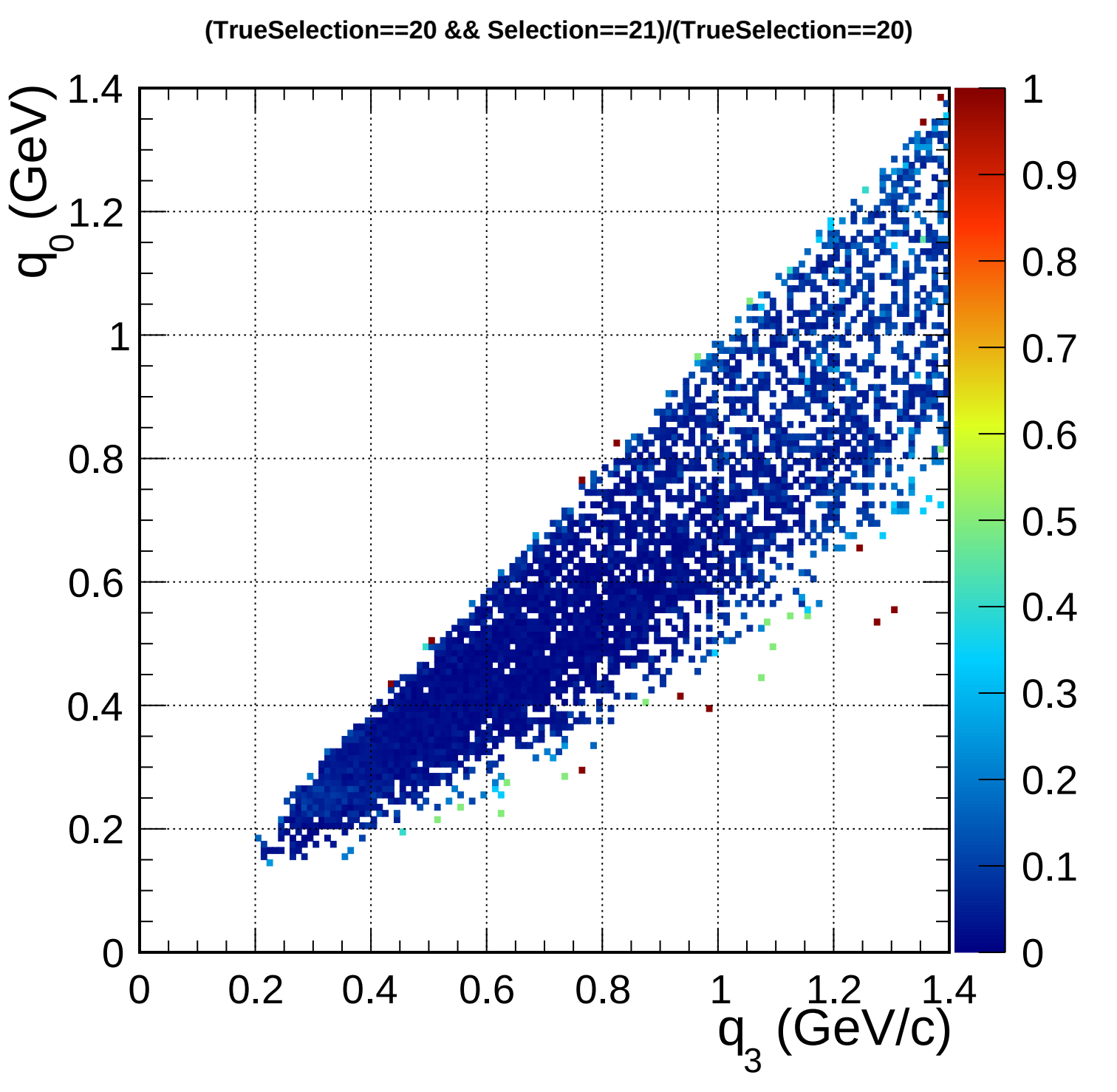

TrueSelection==20 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70

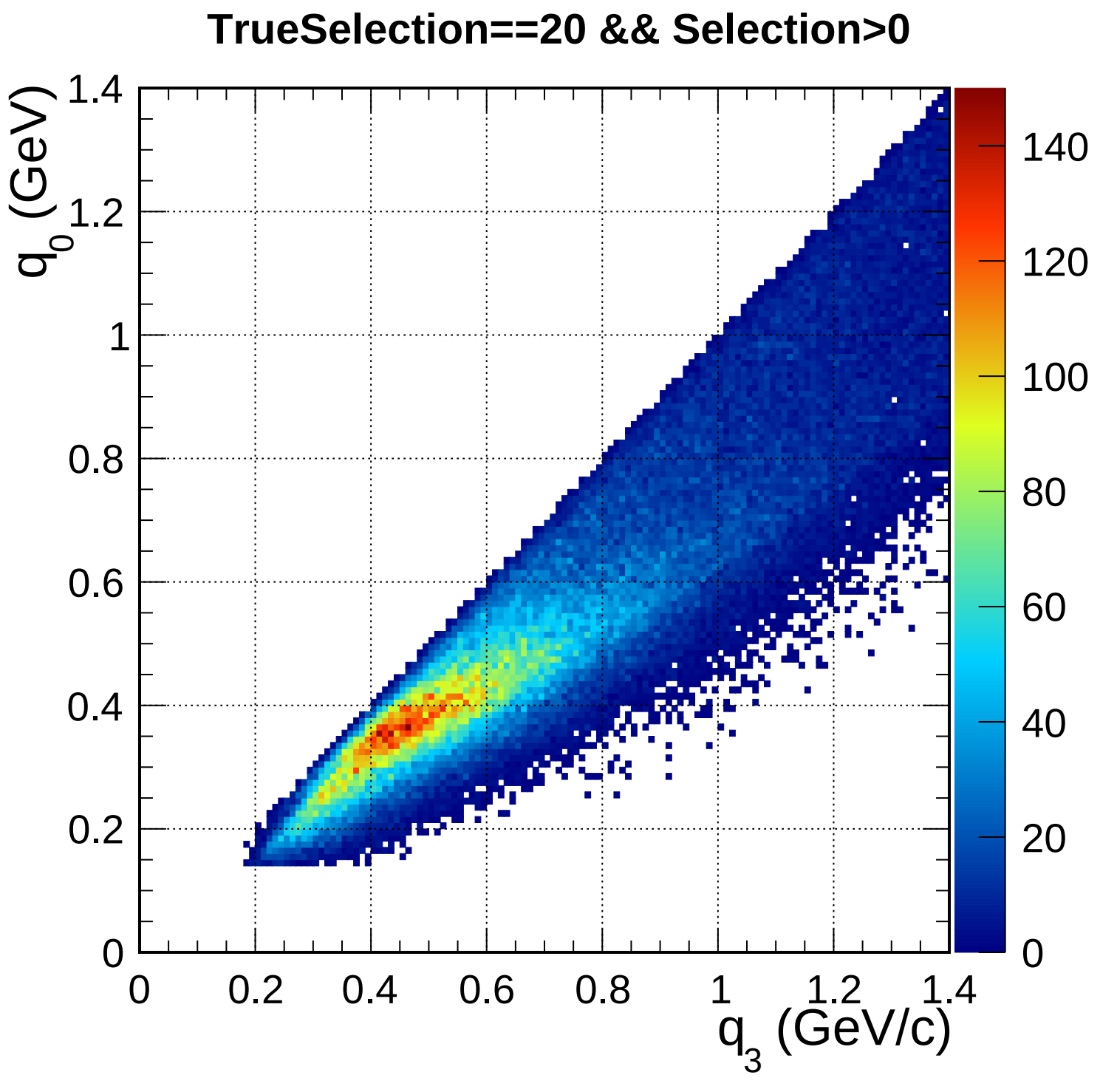

(TrueSelection==20 && Selection==19)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

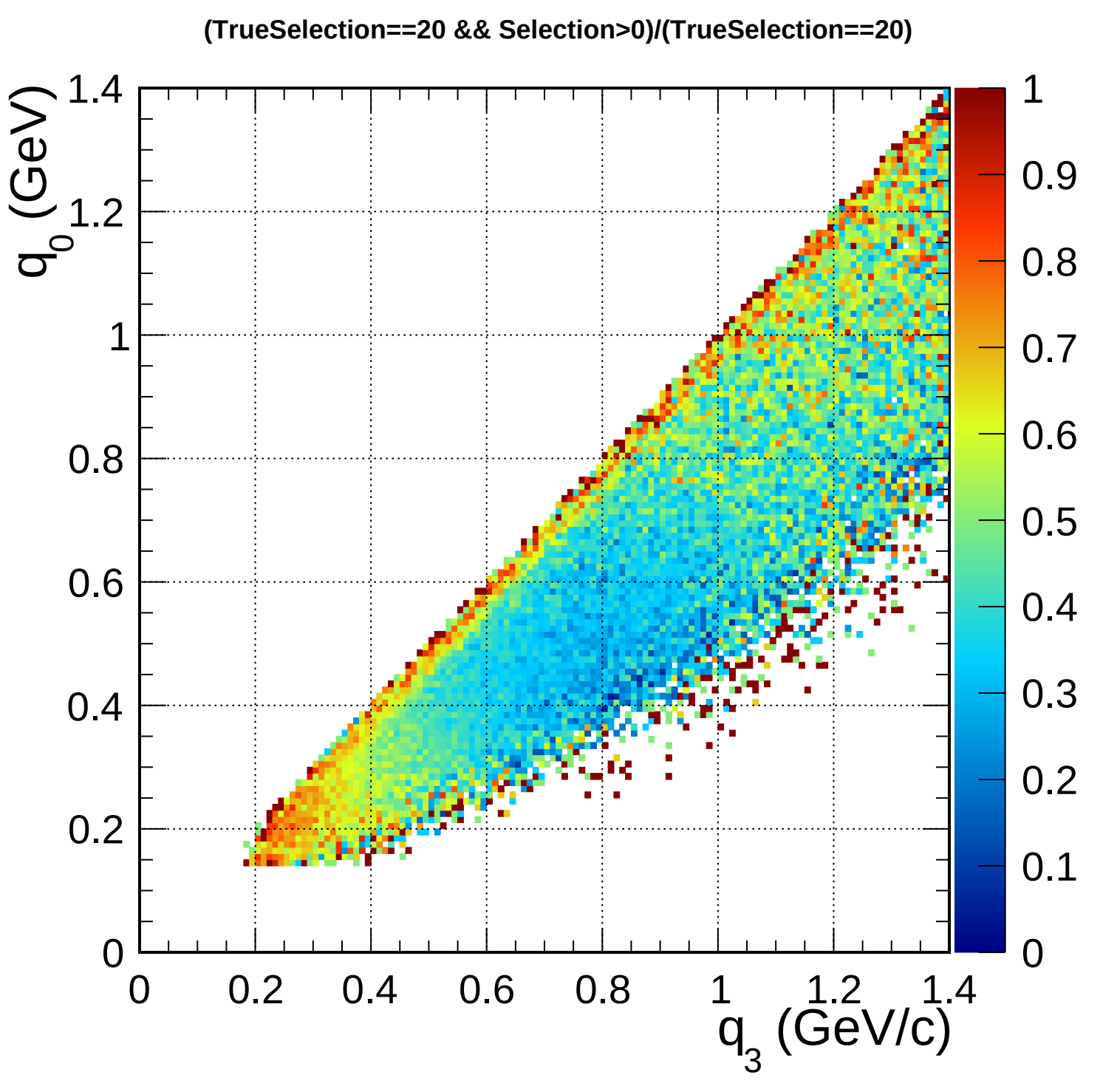

TrueSelection==20 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70

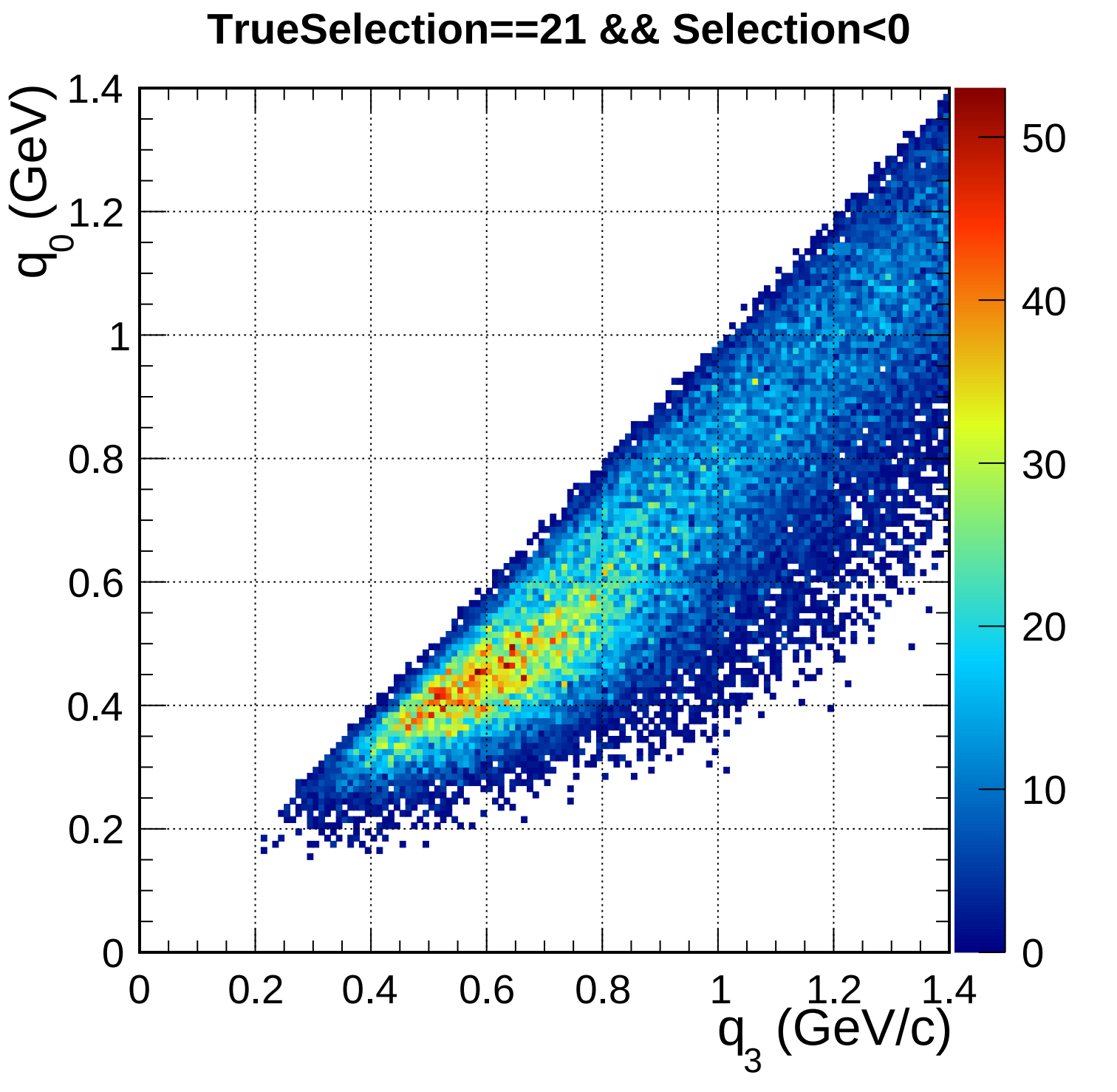

(TrueSelection==20 && Selection==20)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

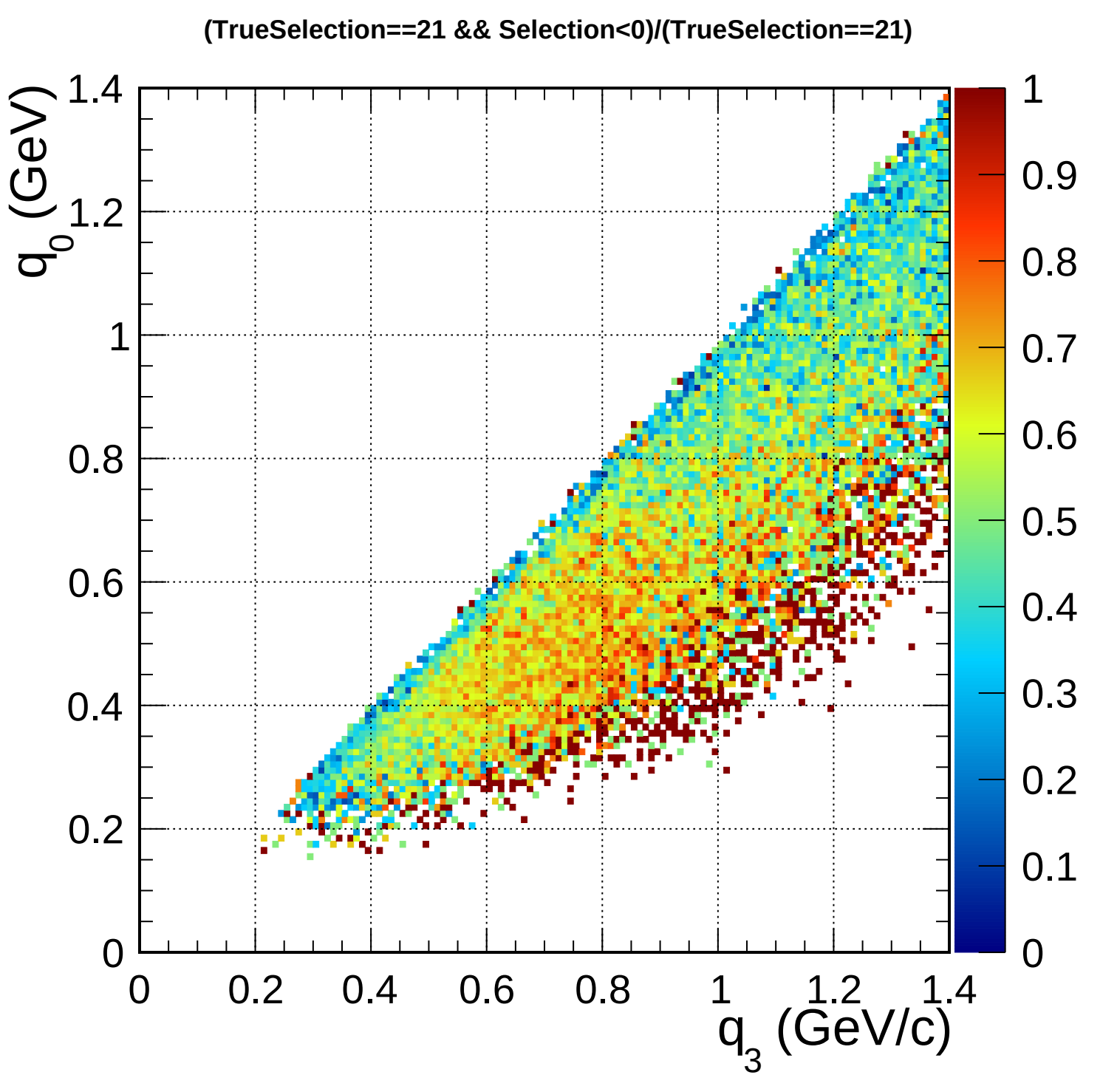

TrueSelection==20 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

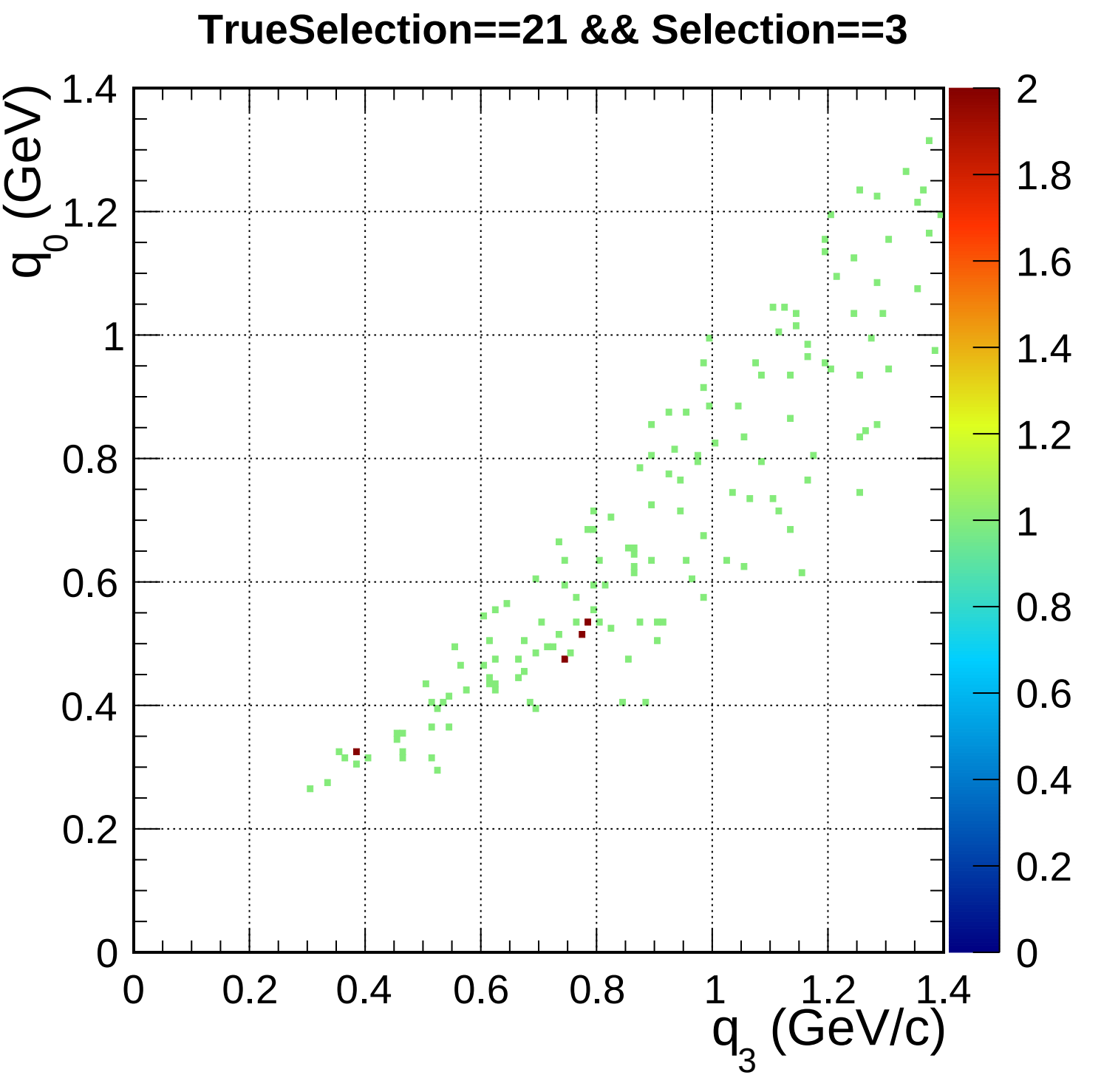

(TrueSelection==20 && Selection==21)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

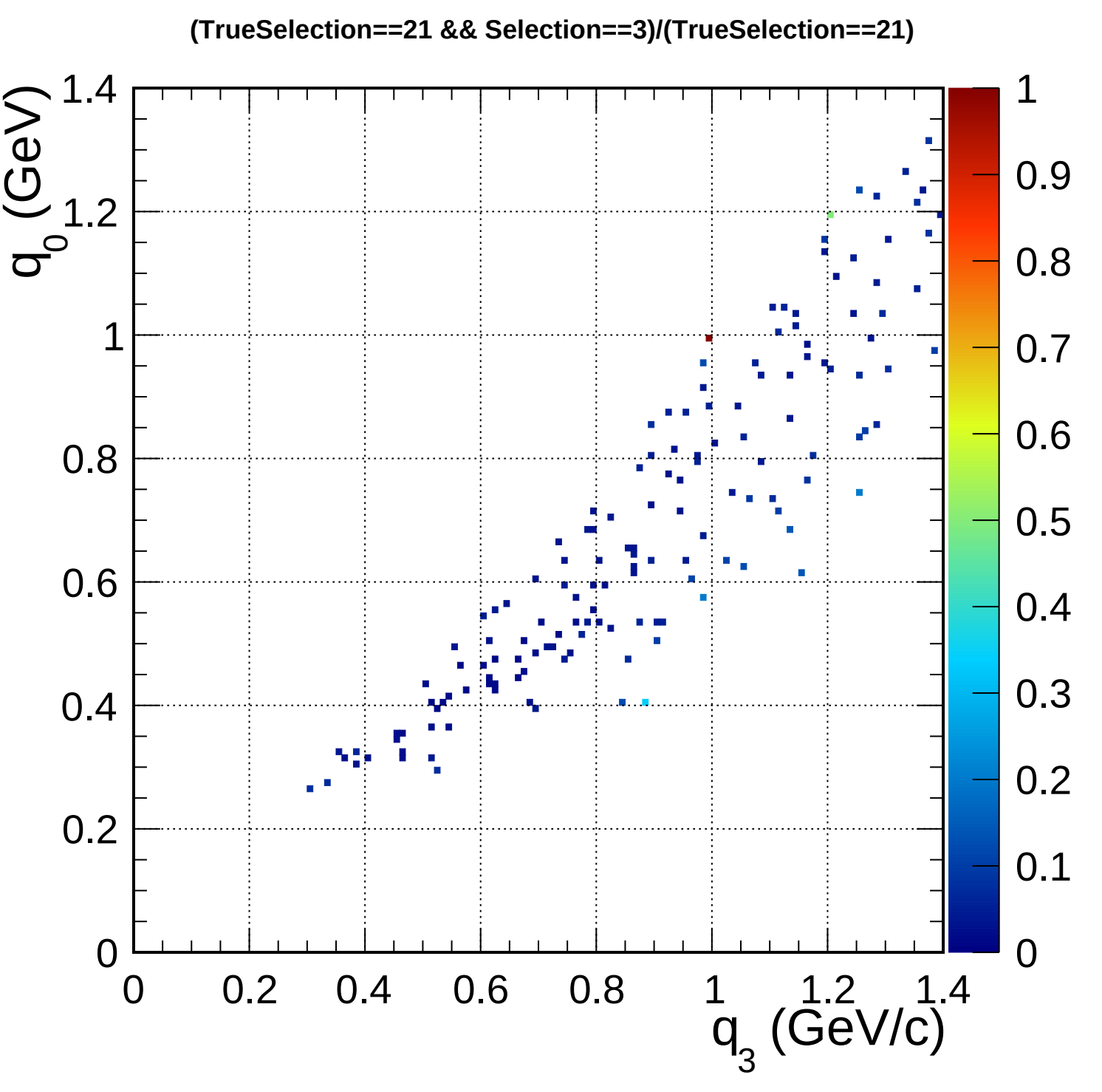

TrueSelection==20 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140

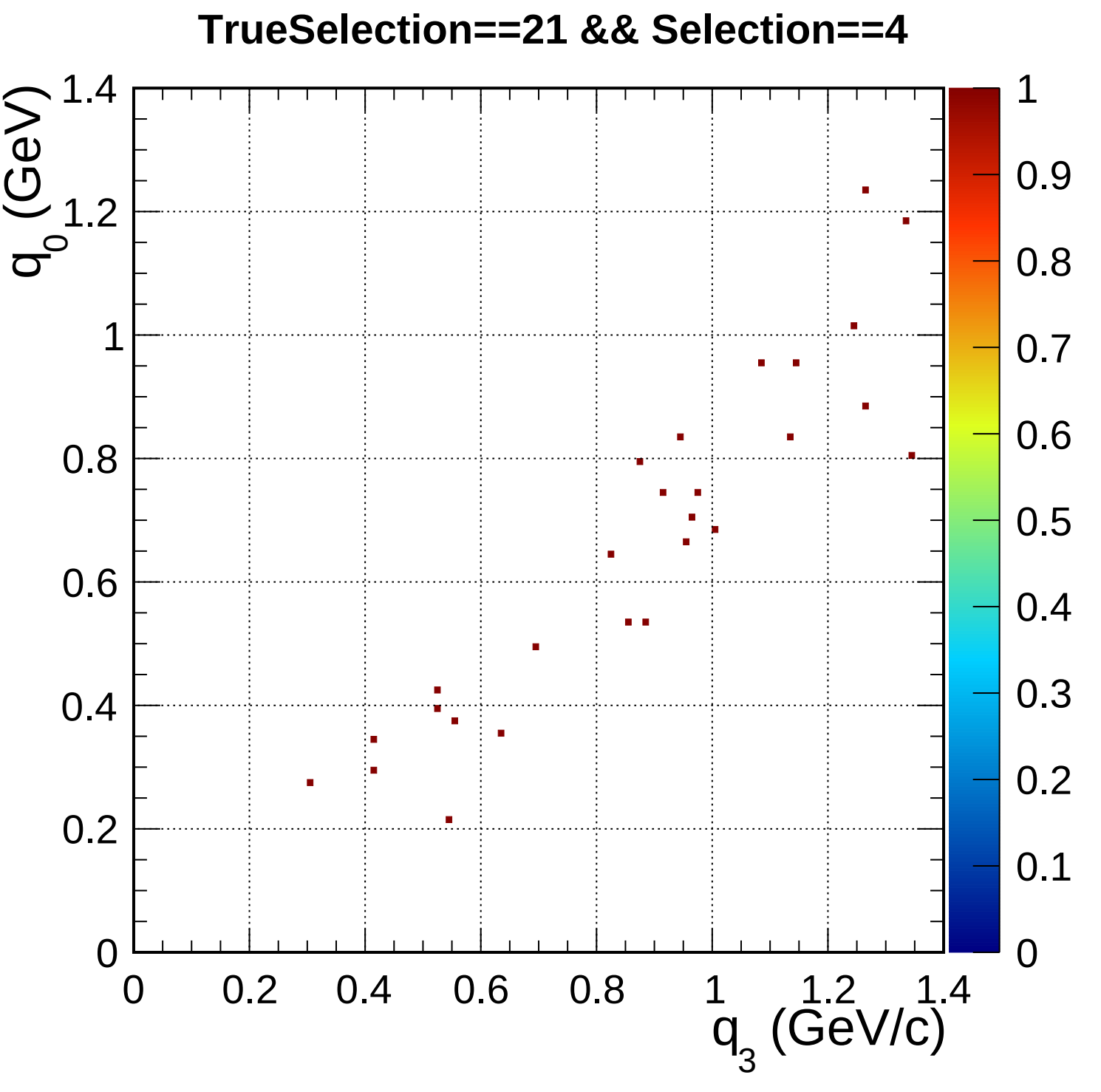

(TrueSelection==20 && Selection>0)/(TrueSelection==20)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

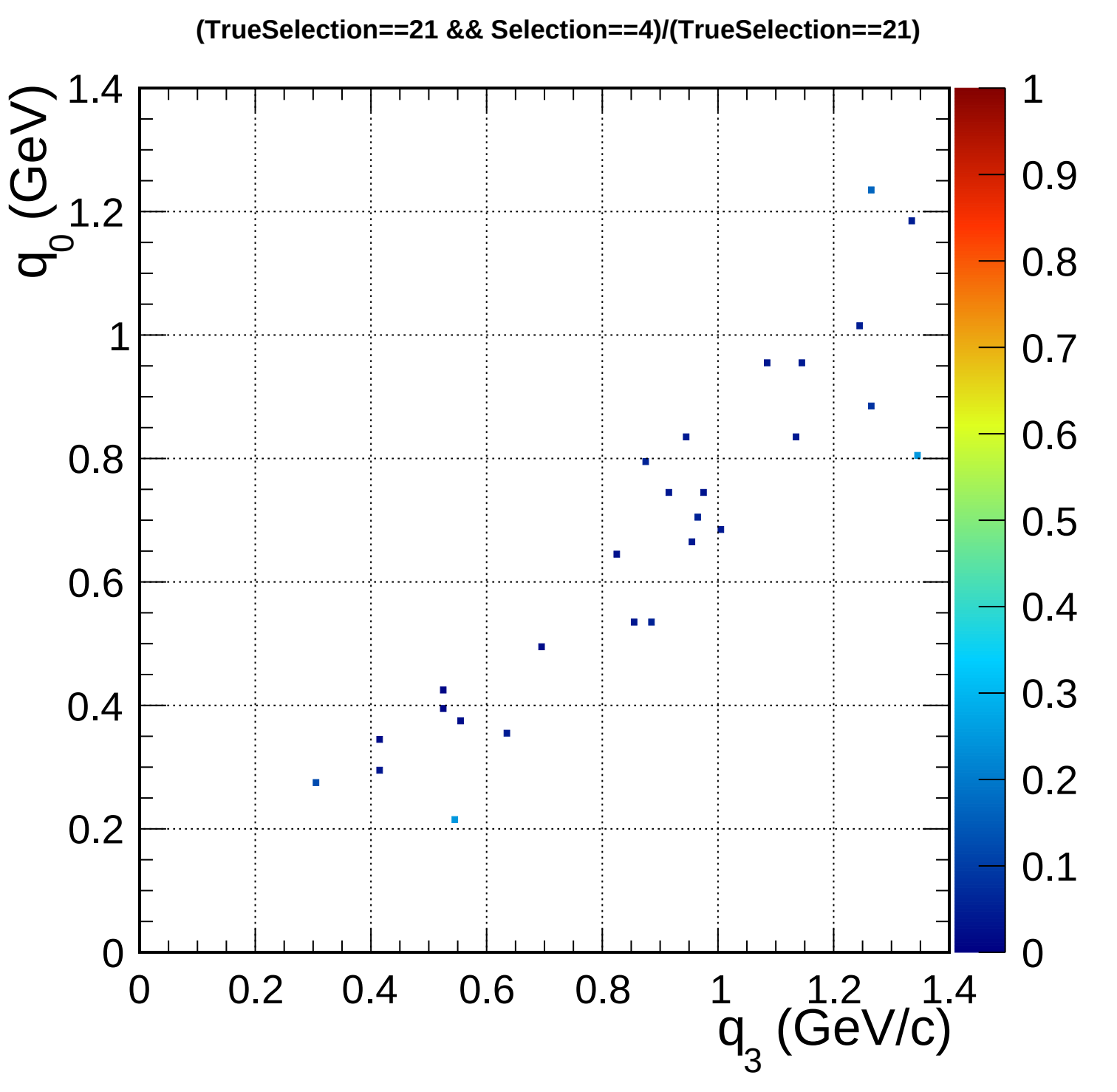

TrueSelection==21 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50

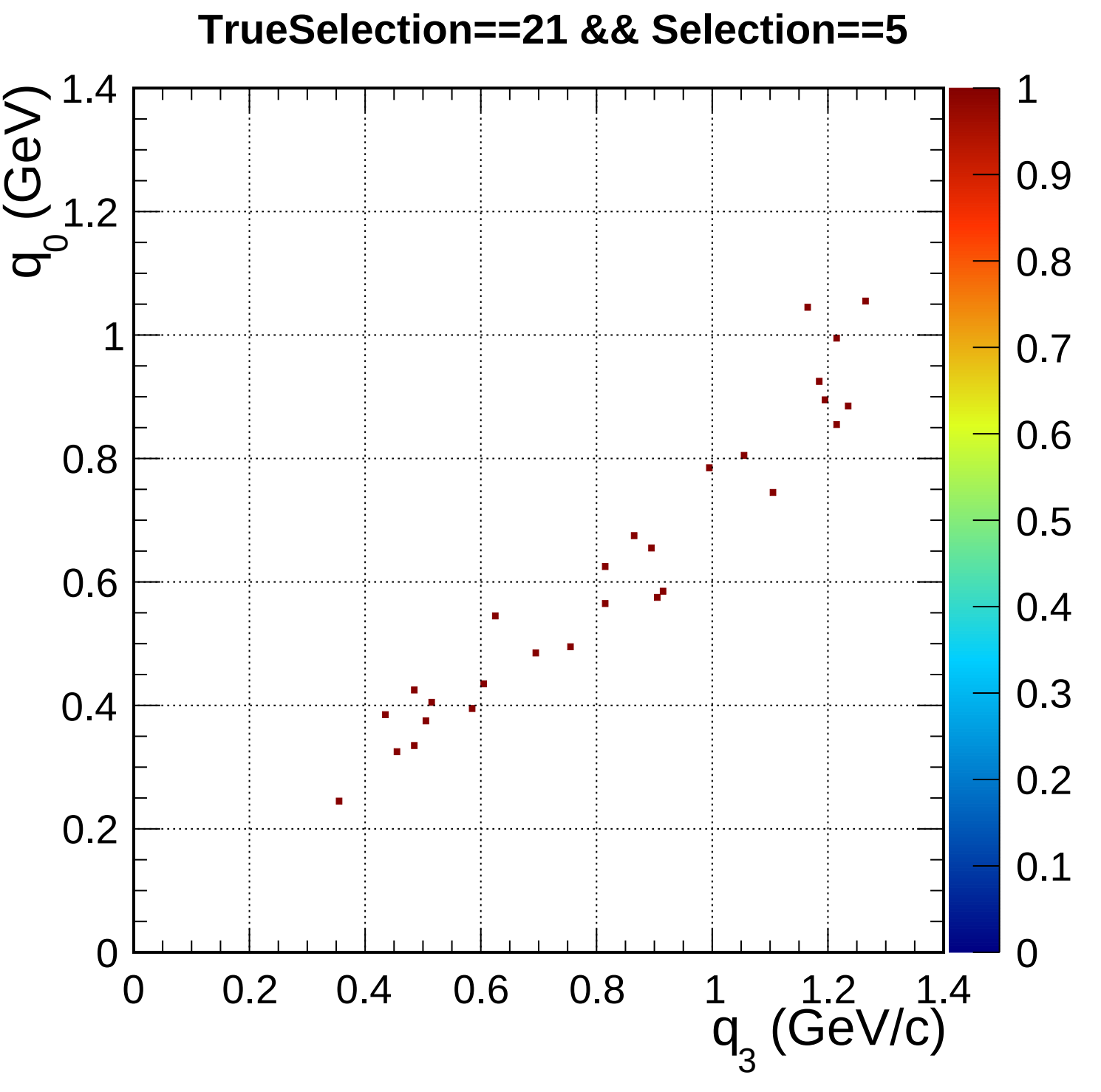

(TrueSelection==21 && Selection<0)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

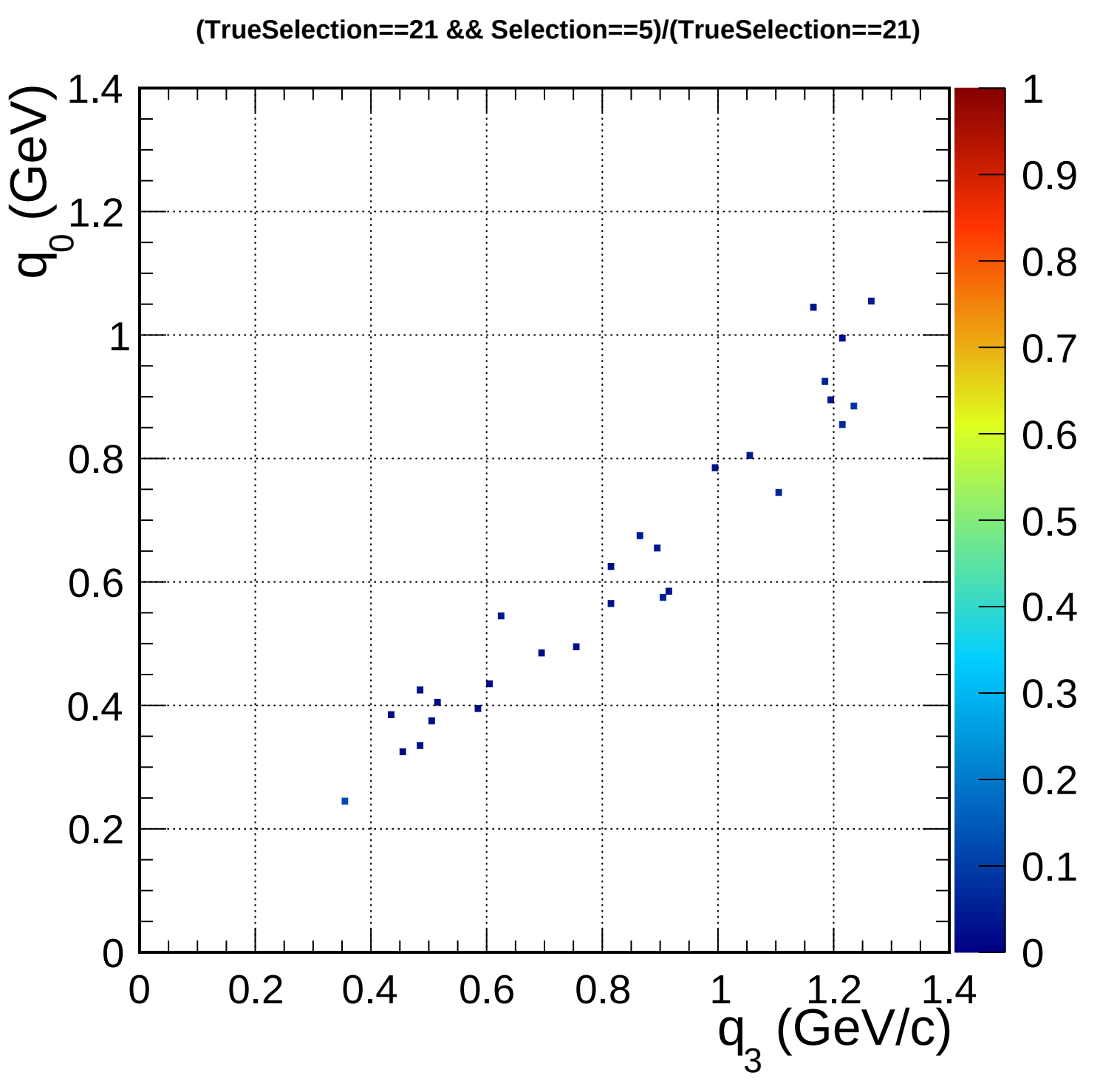

TrueSelection==21 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

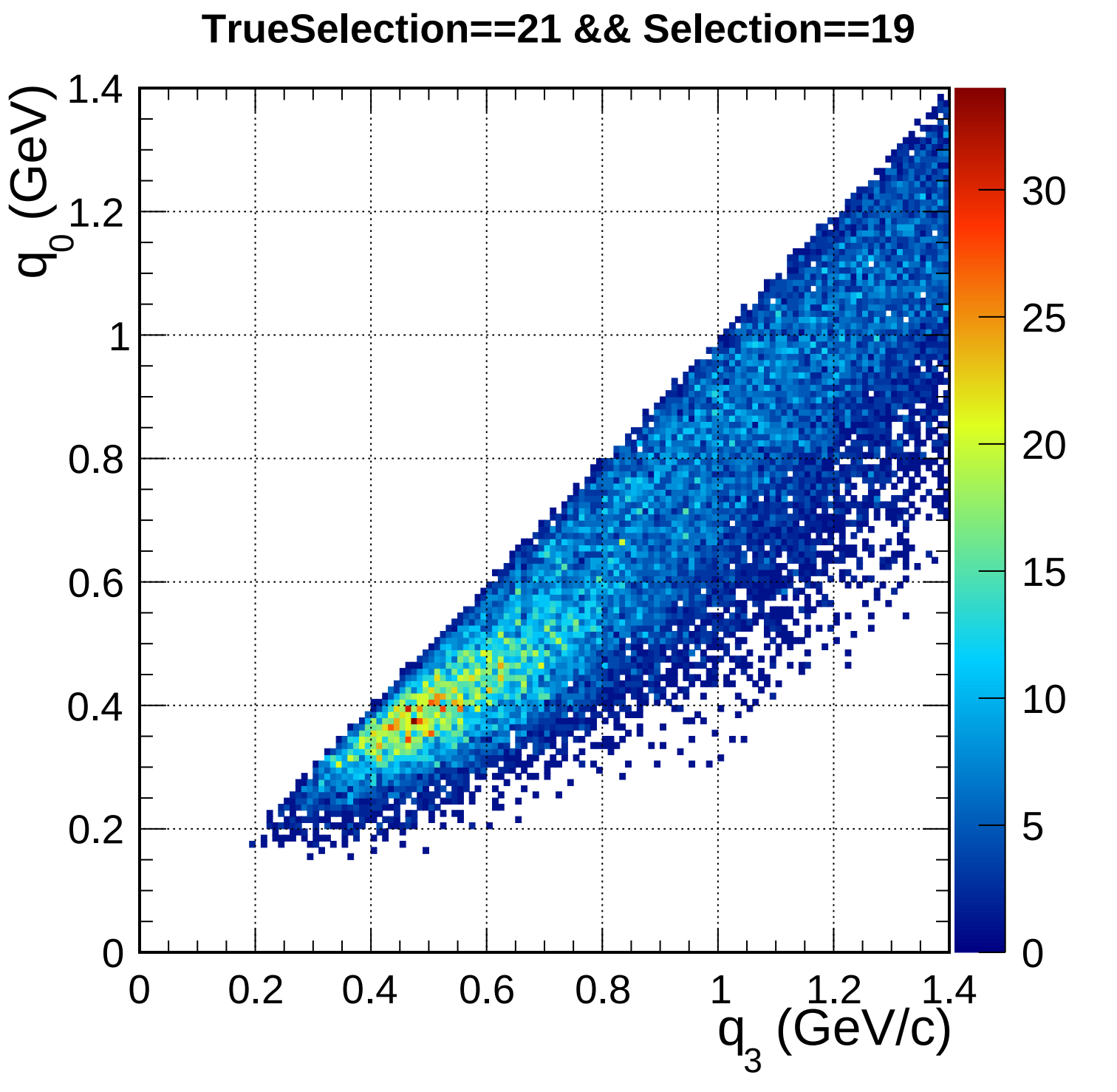

(TrueSelection==21 && Selection==3)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

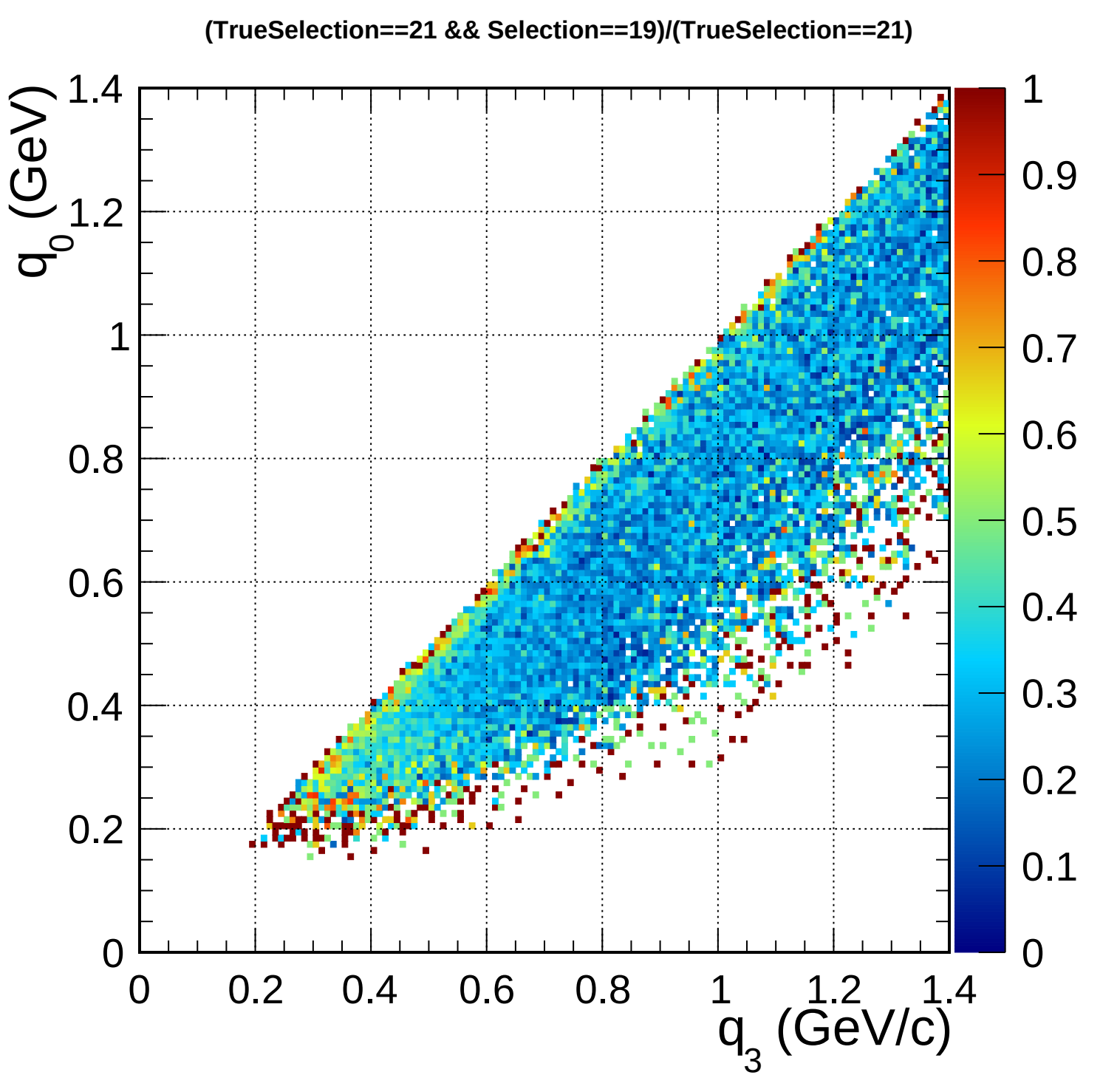

TrueSelection==21 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

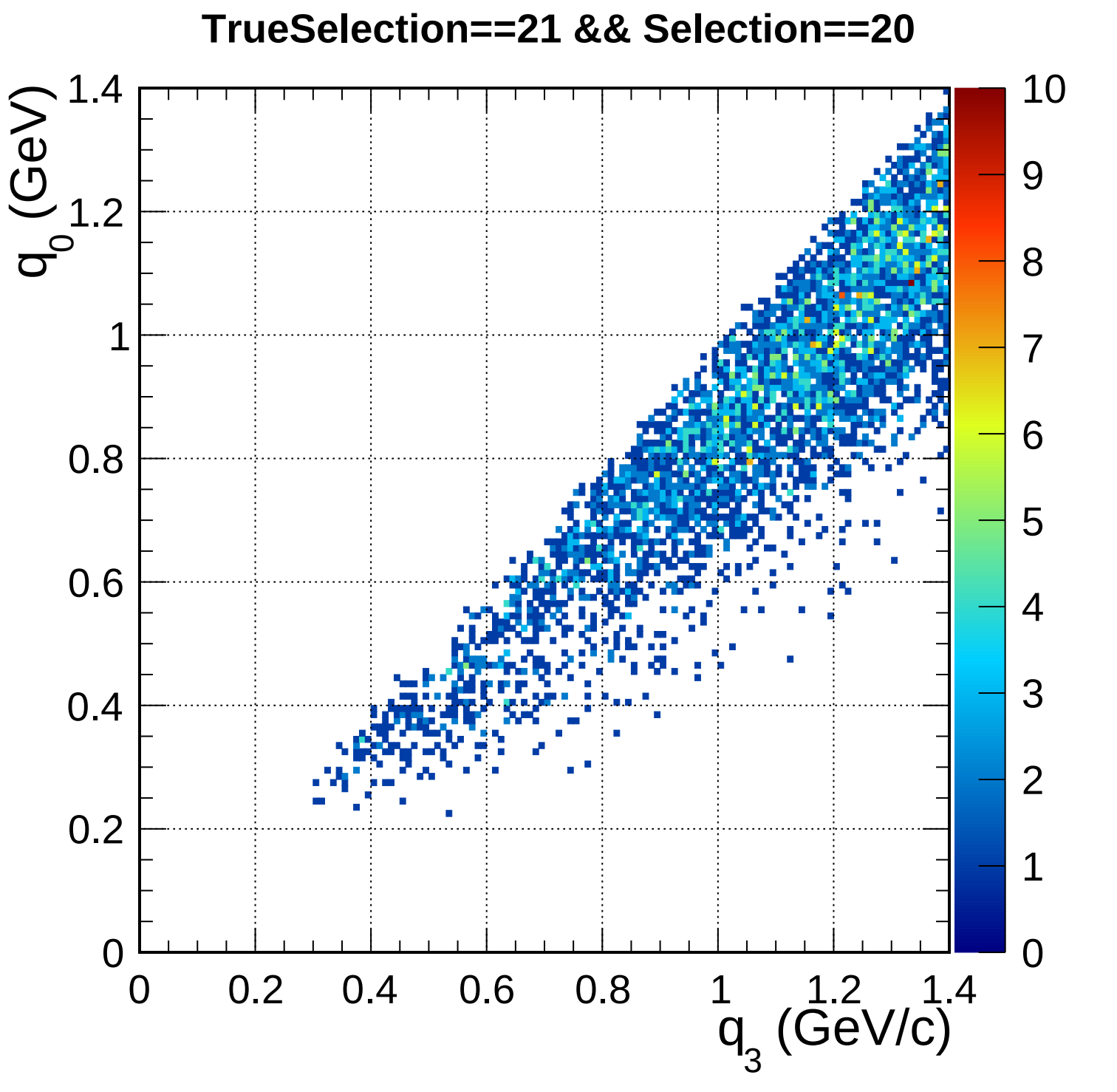

(TrueSelection==21 && Selection==4)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

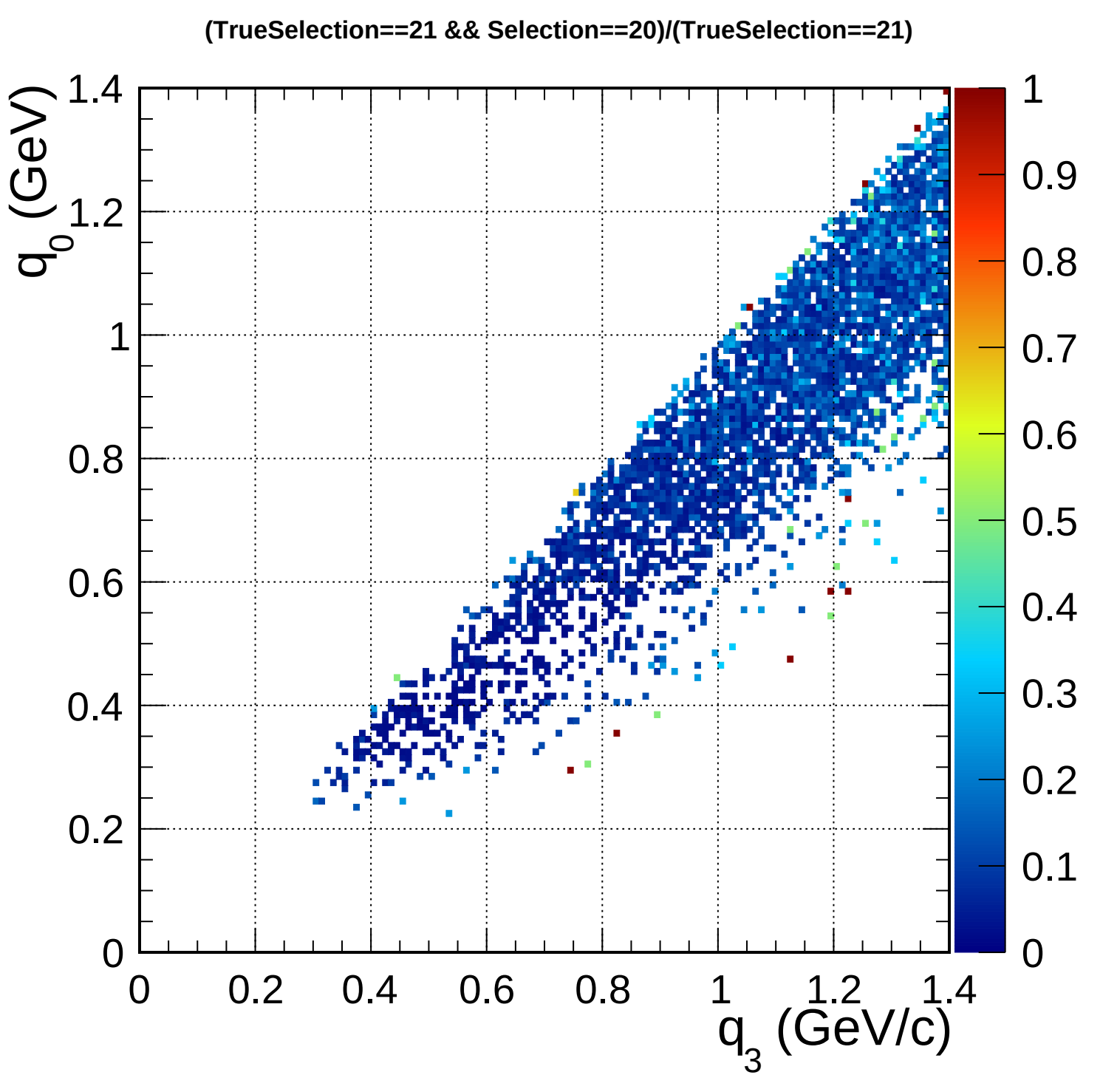

TrueSelection==21 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

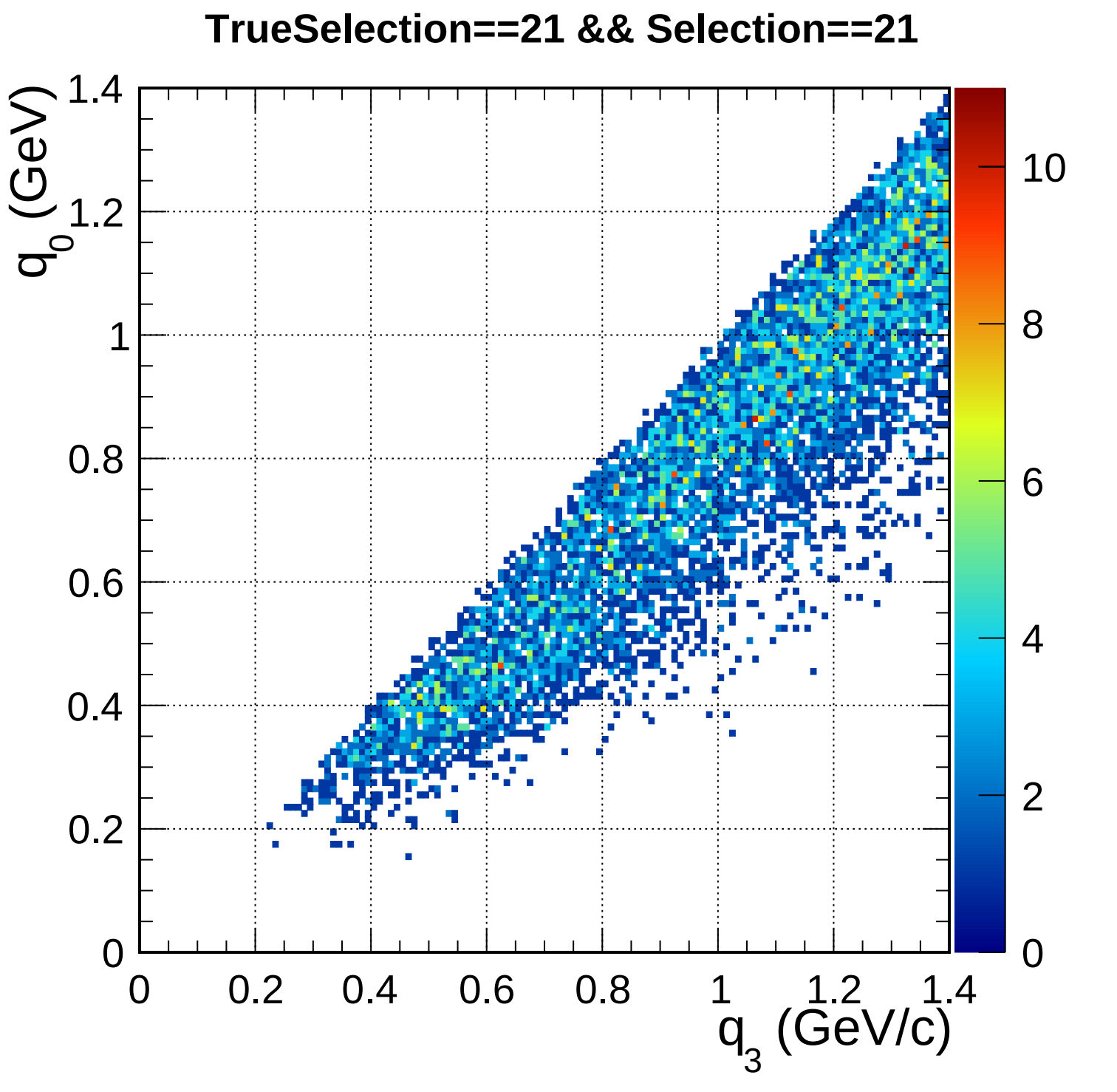

(TrueSelection==21 && Selection==5)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

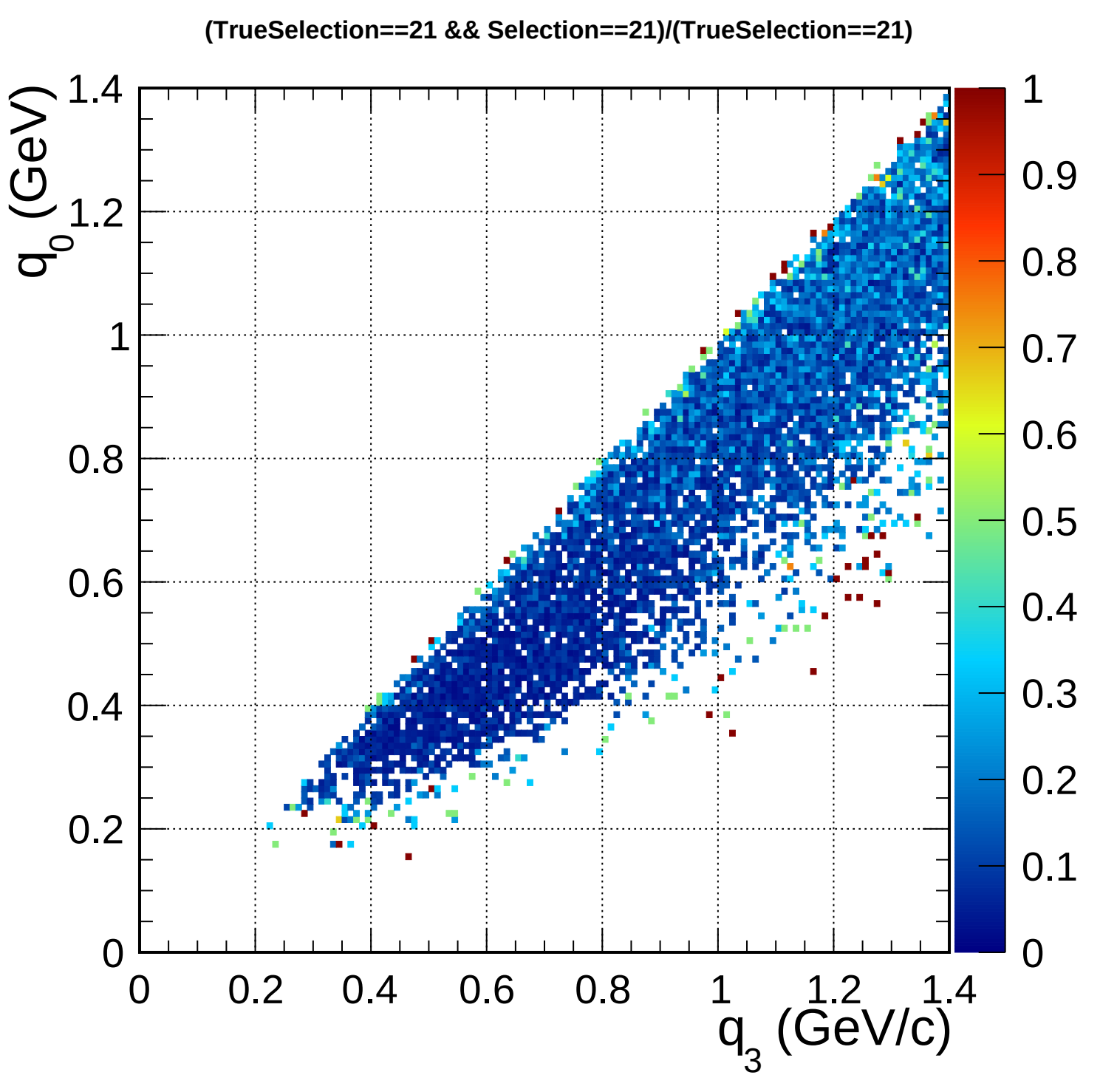

TrueSelection==21 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30

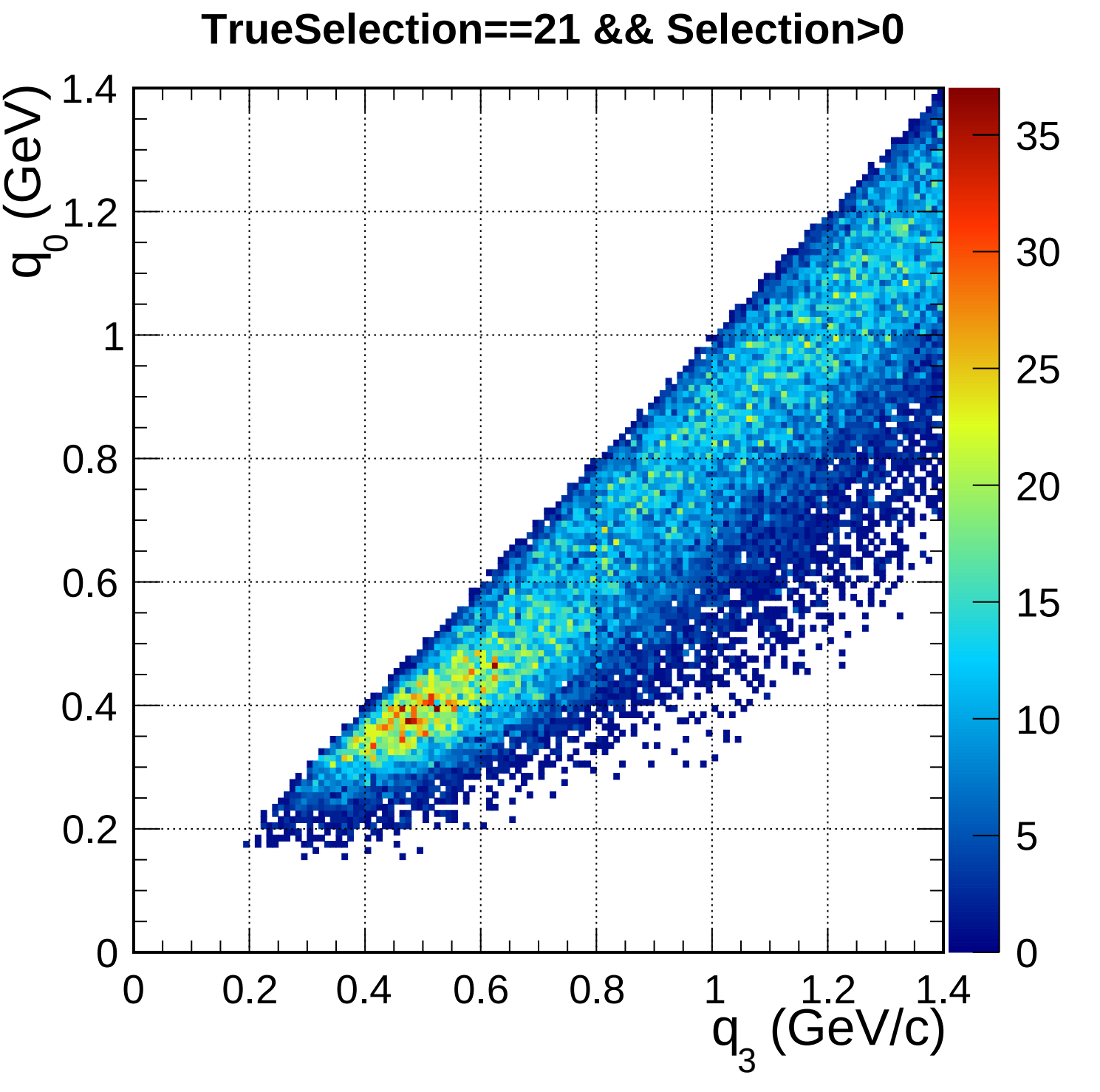

(TrueSelection==21 && Selection==19)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

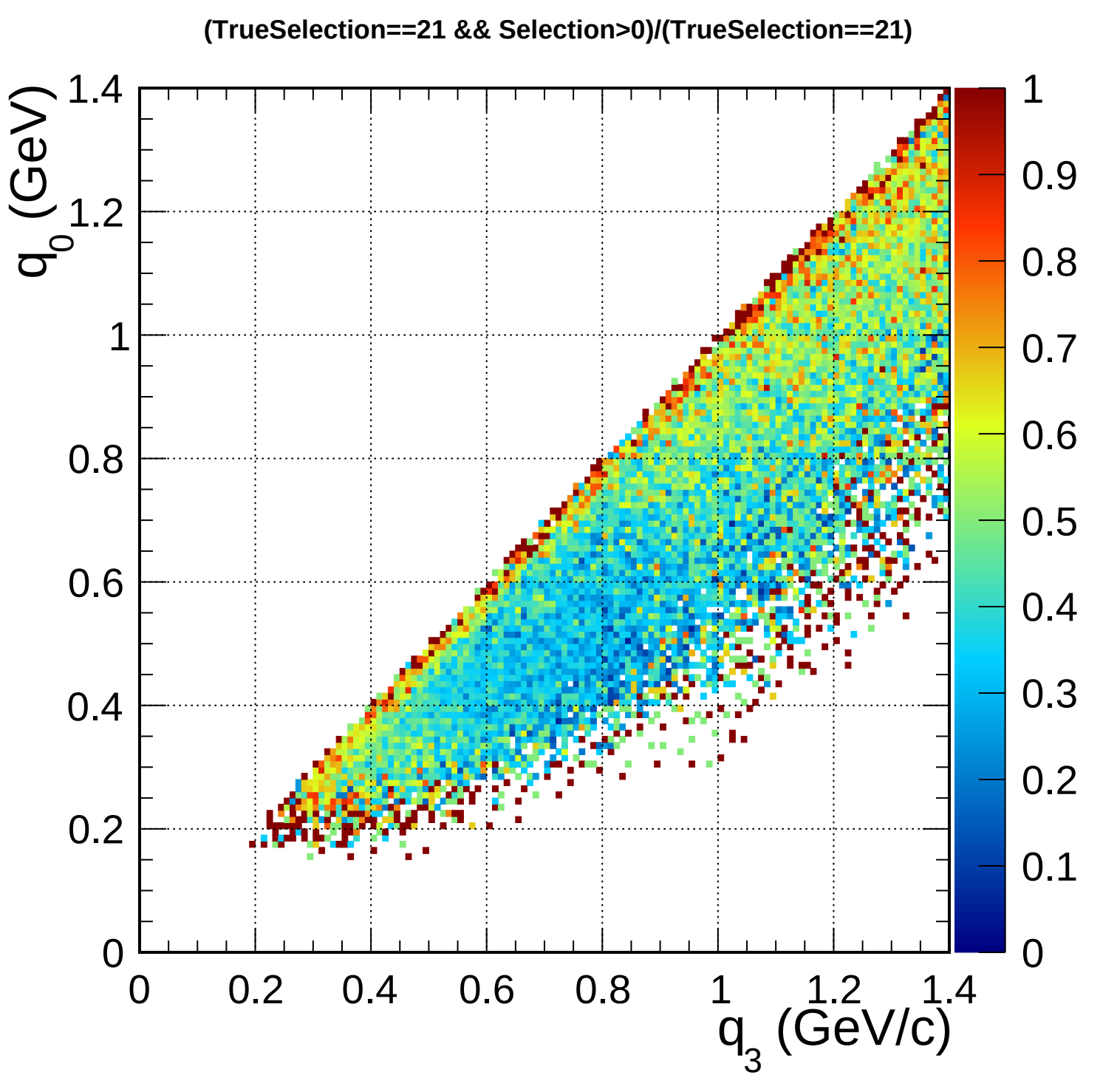

TrueSelection==21 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9
10

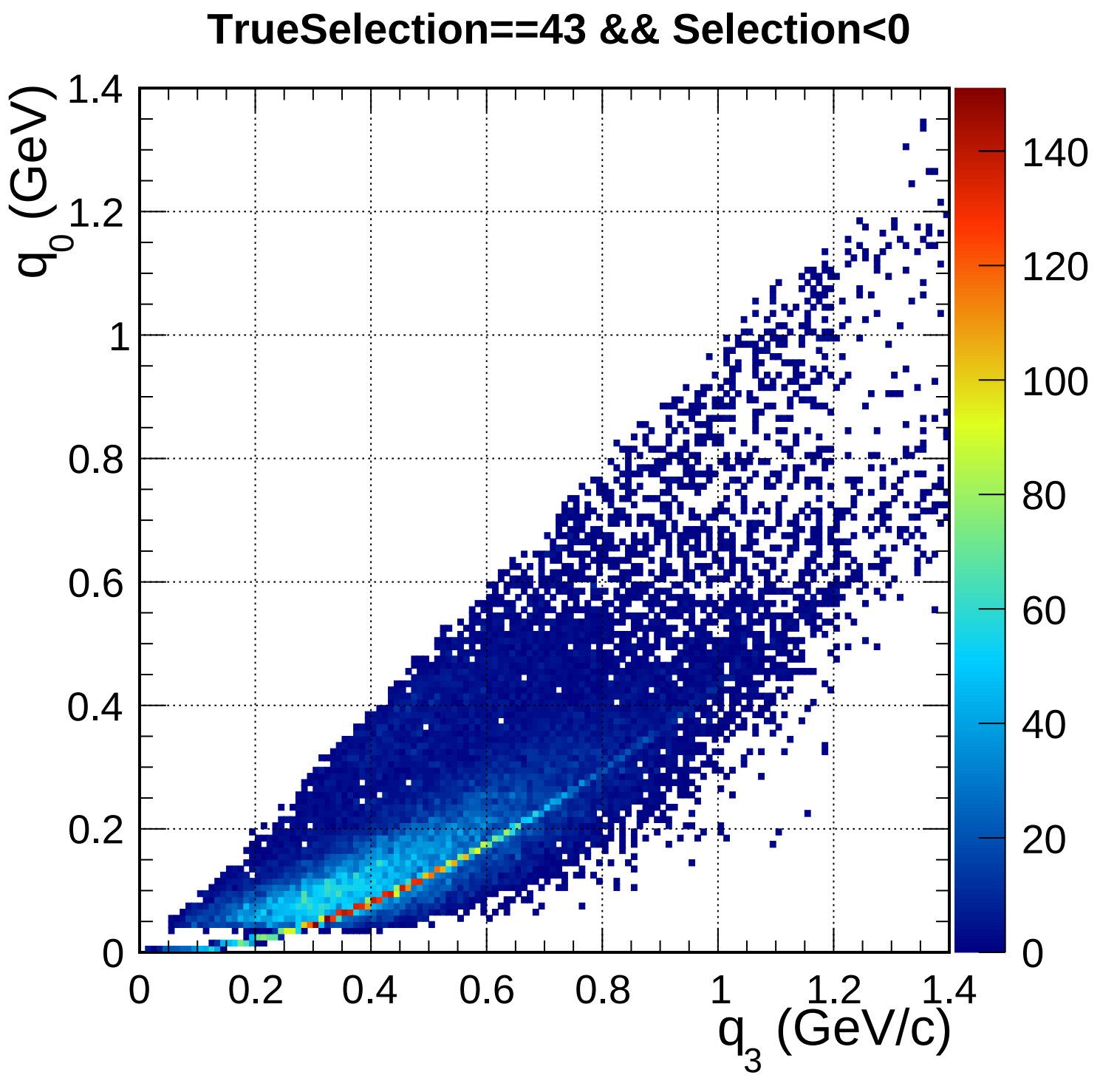

(TrueSelection==21 && Selection==20)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

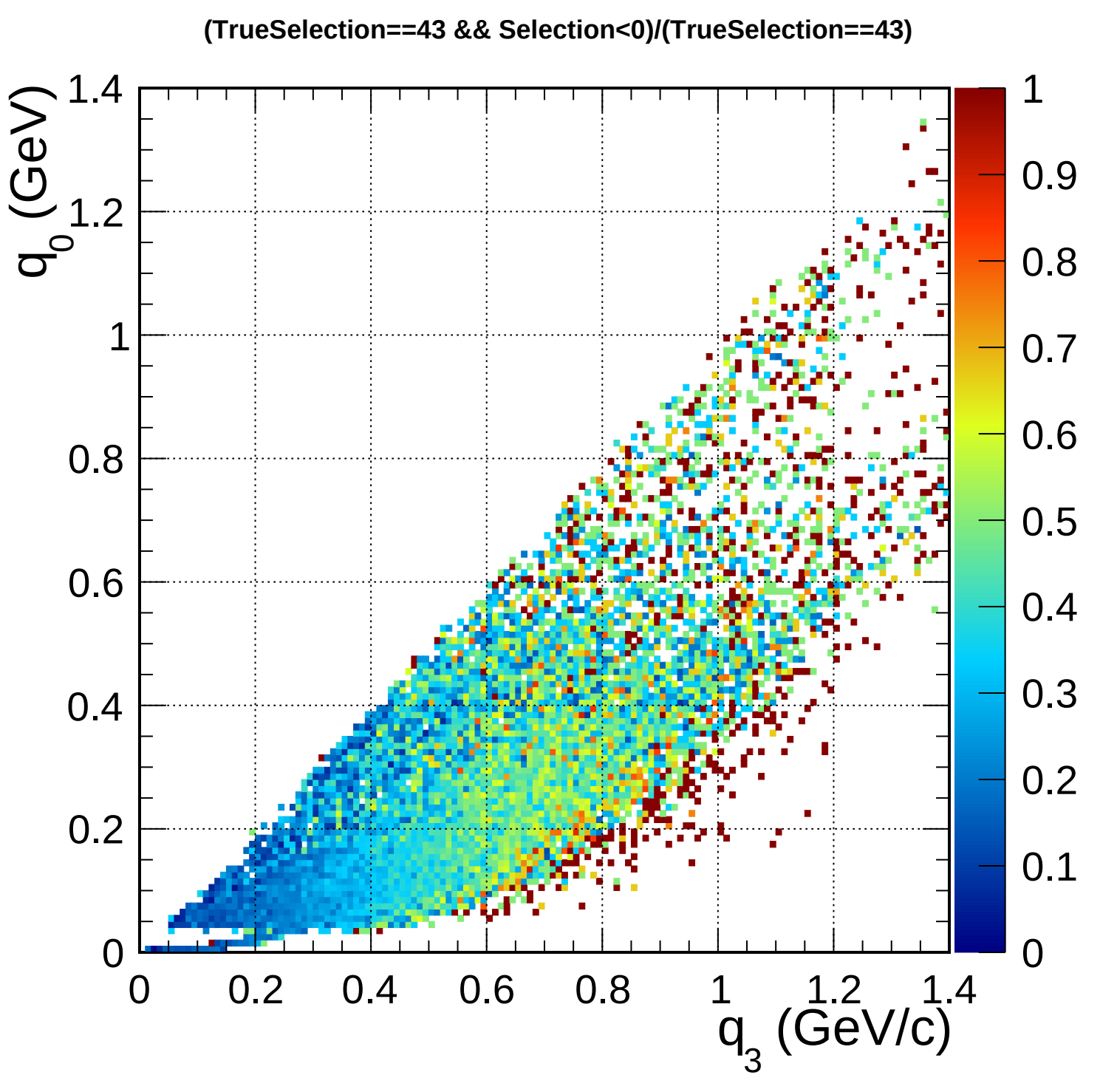

TrueSelection==21 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10

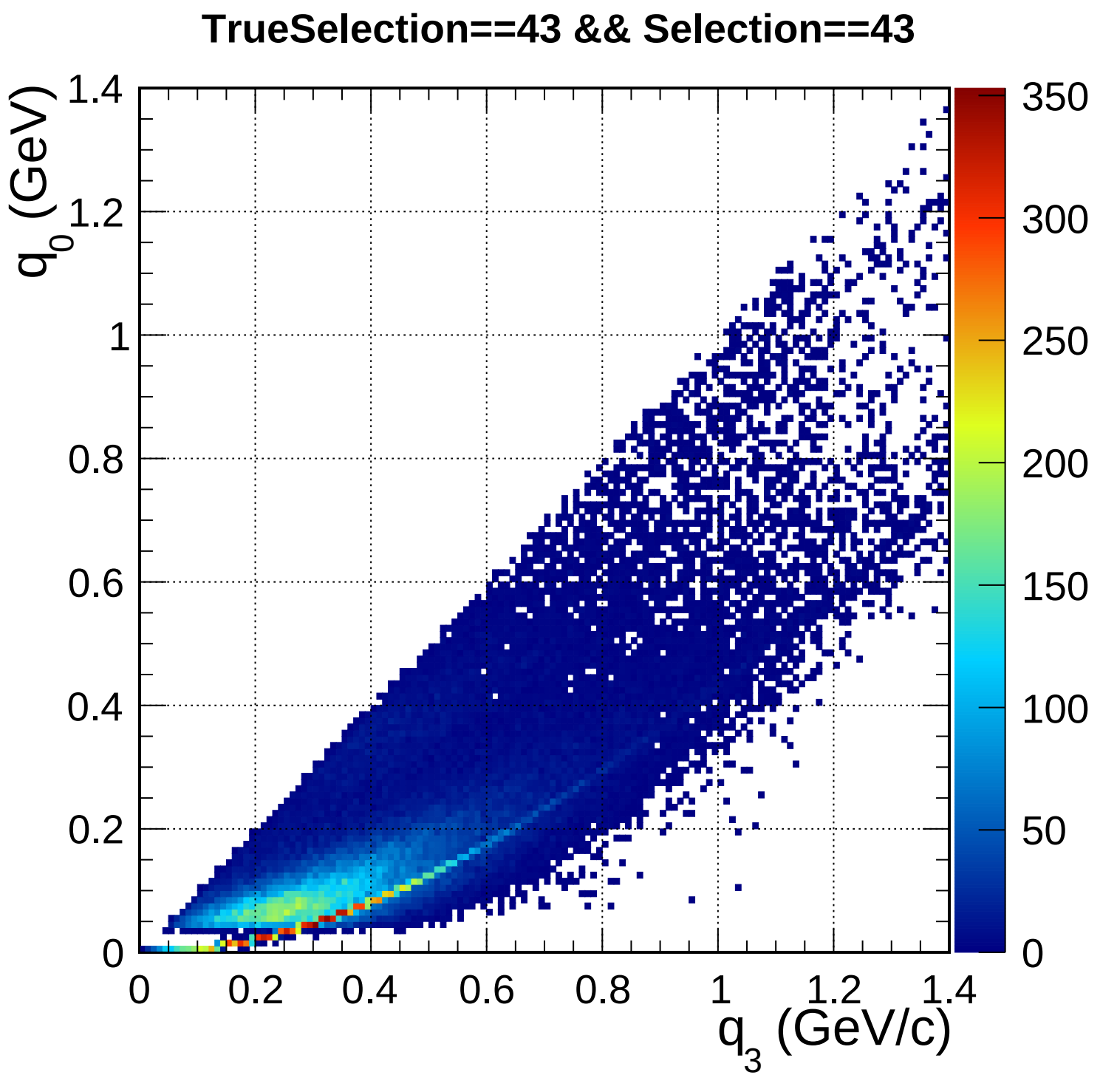

(TrueSelection==21 && Selection==21)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

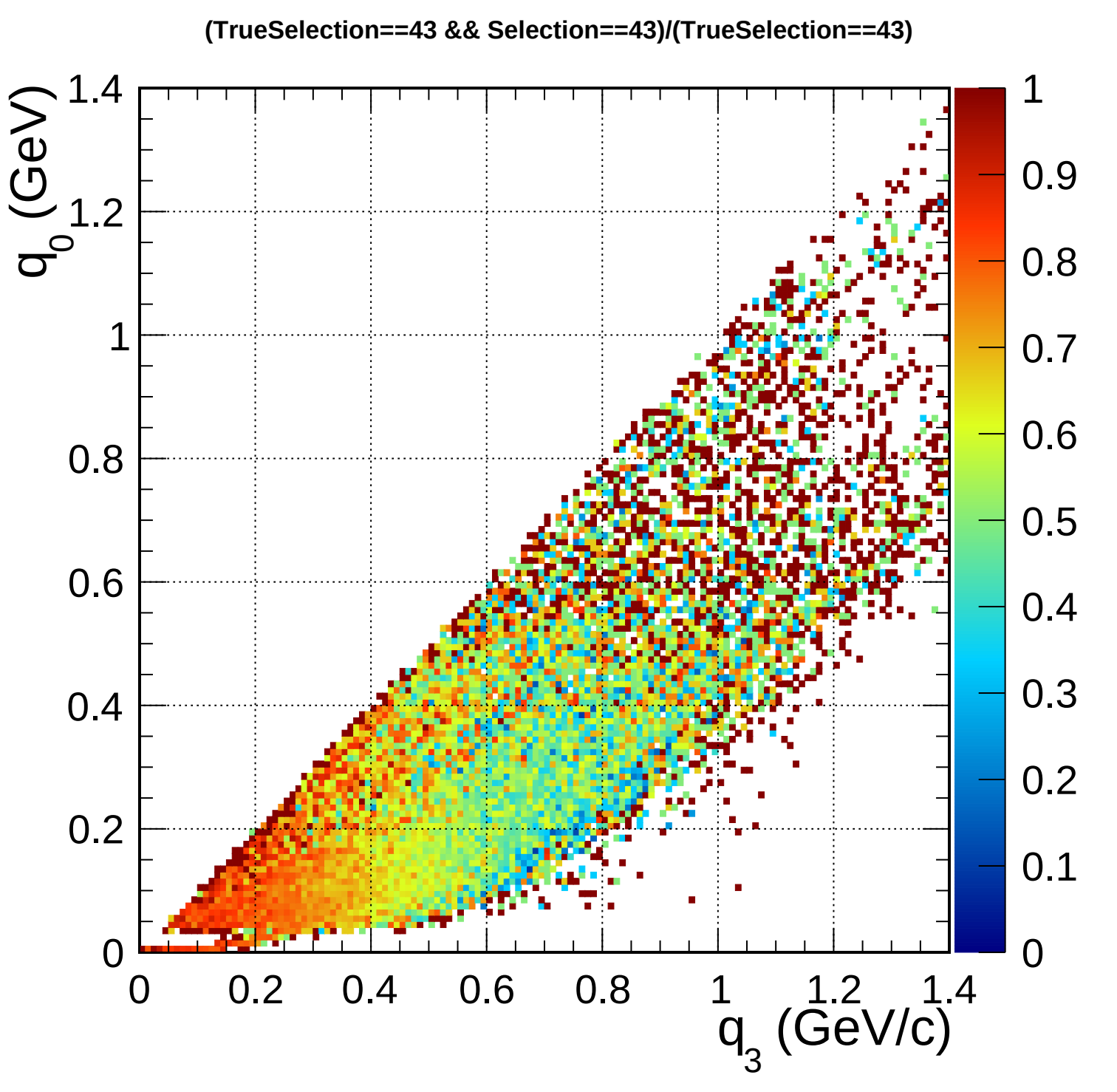

TrueSelection==21 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35

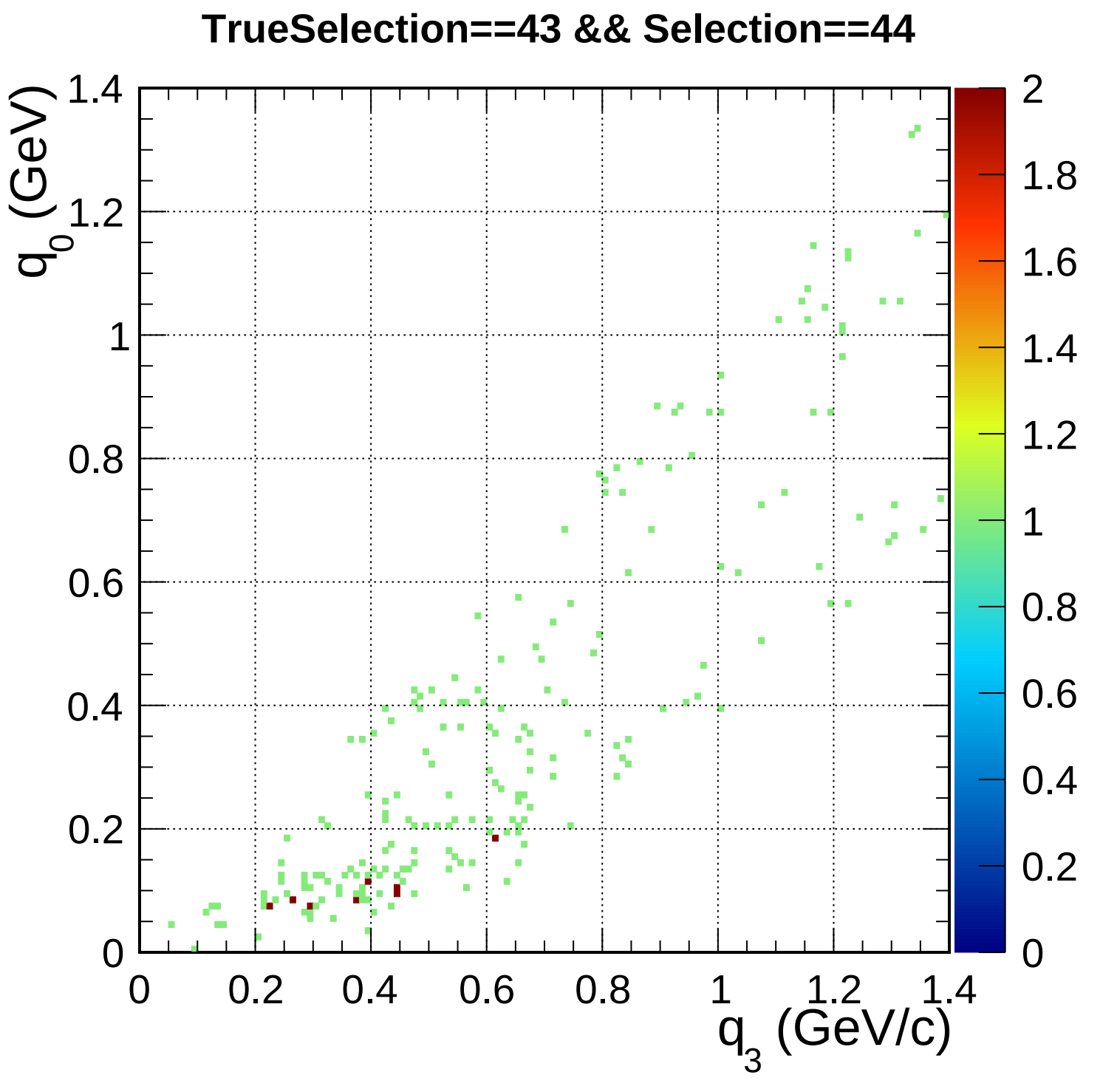

(TrueSelection==21 && Selection>0)/(TrueSelection==21)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

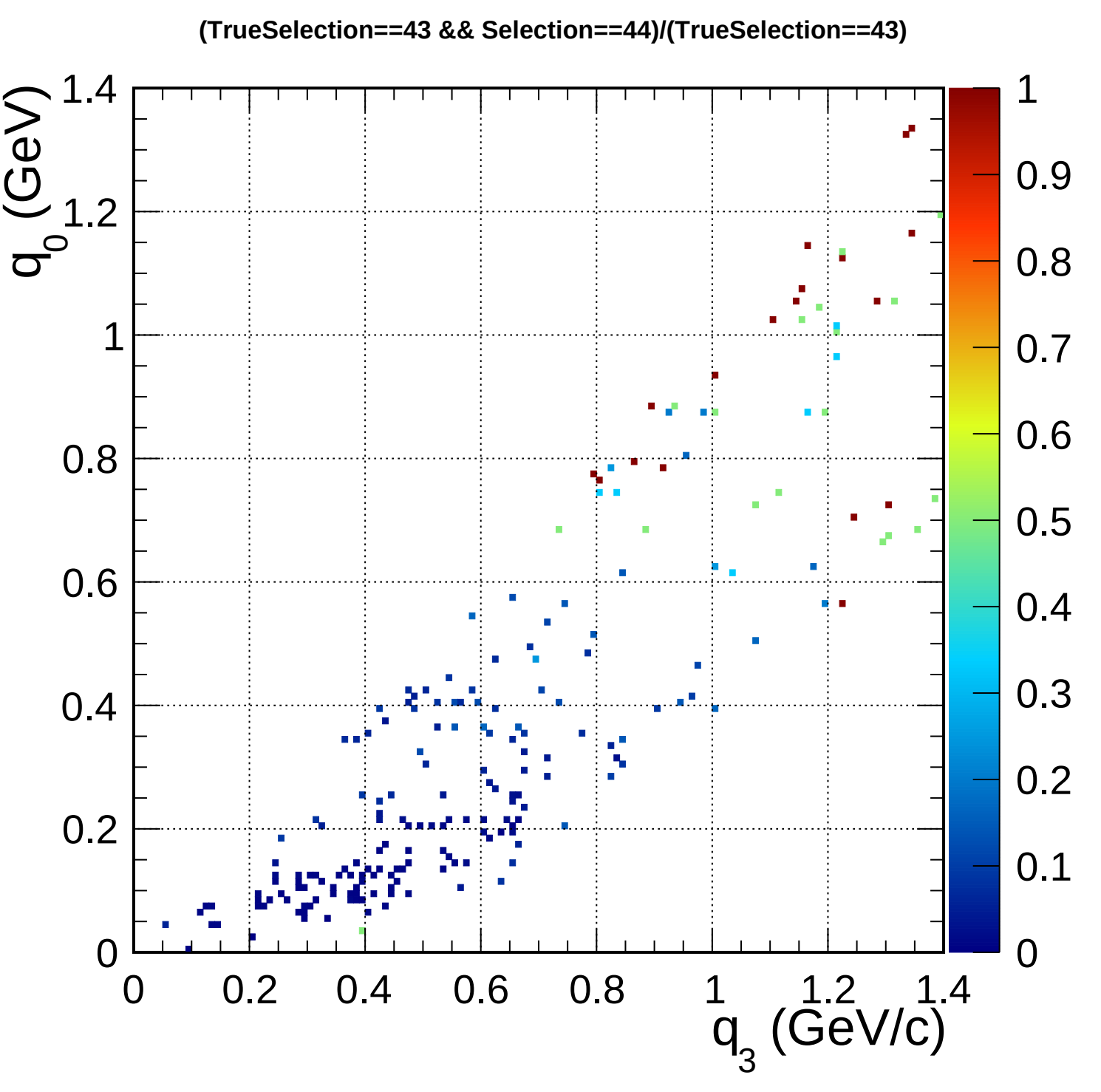

TrueSelection==43 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140

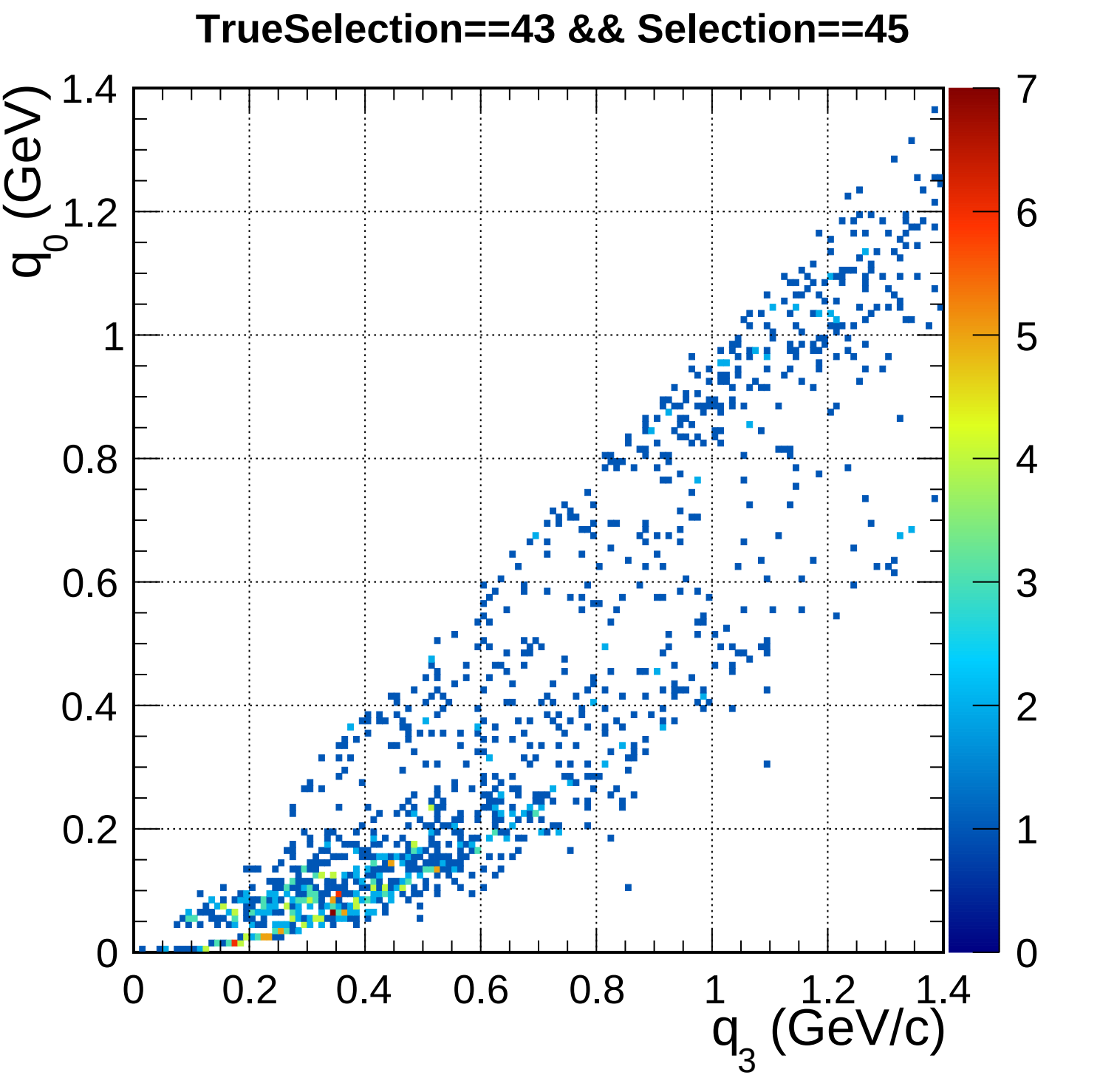

(TrueSelection==43 && Selection<0)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

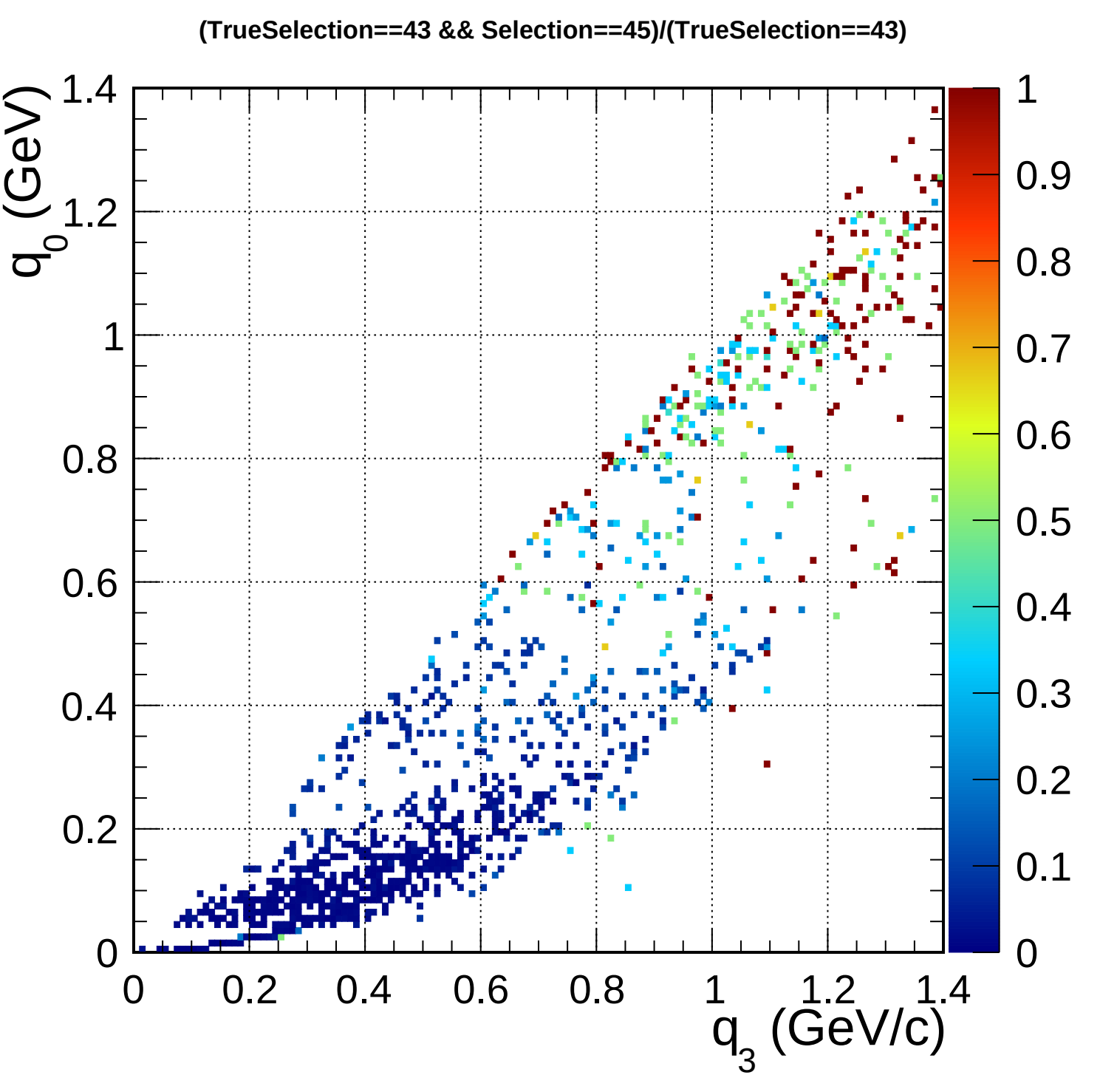

TrueSelection==43 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350

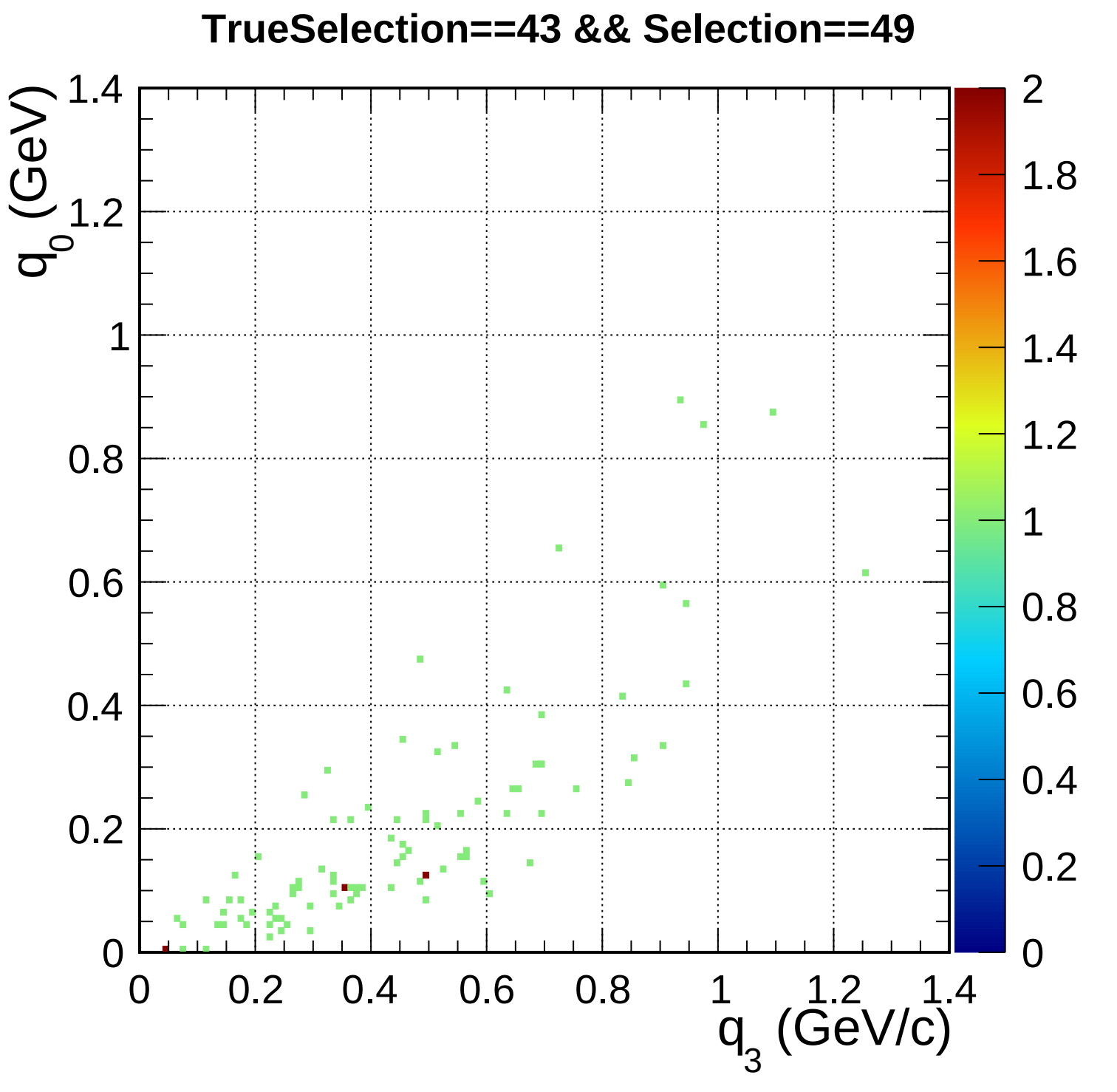

(TrueSelection==43 && Selection==43)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

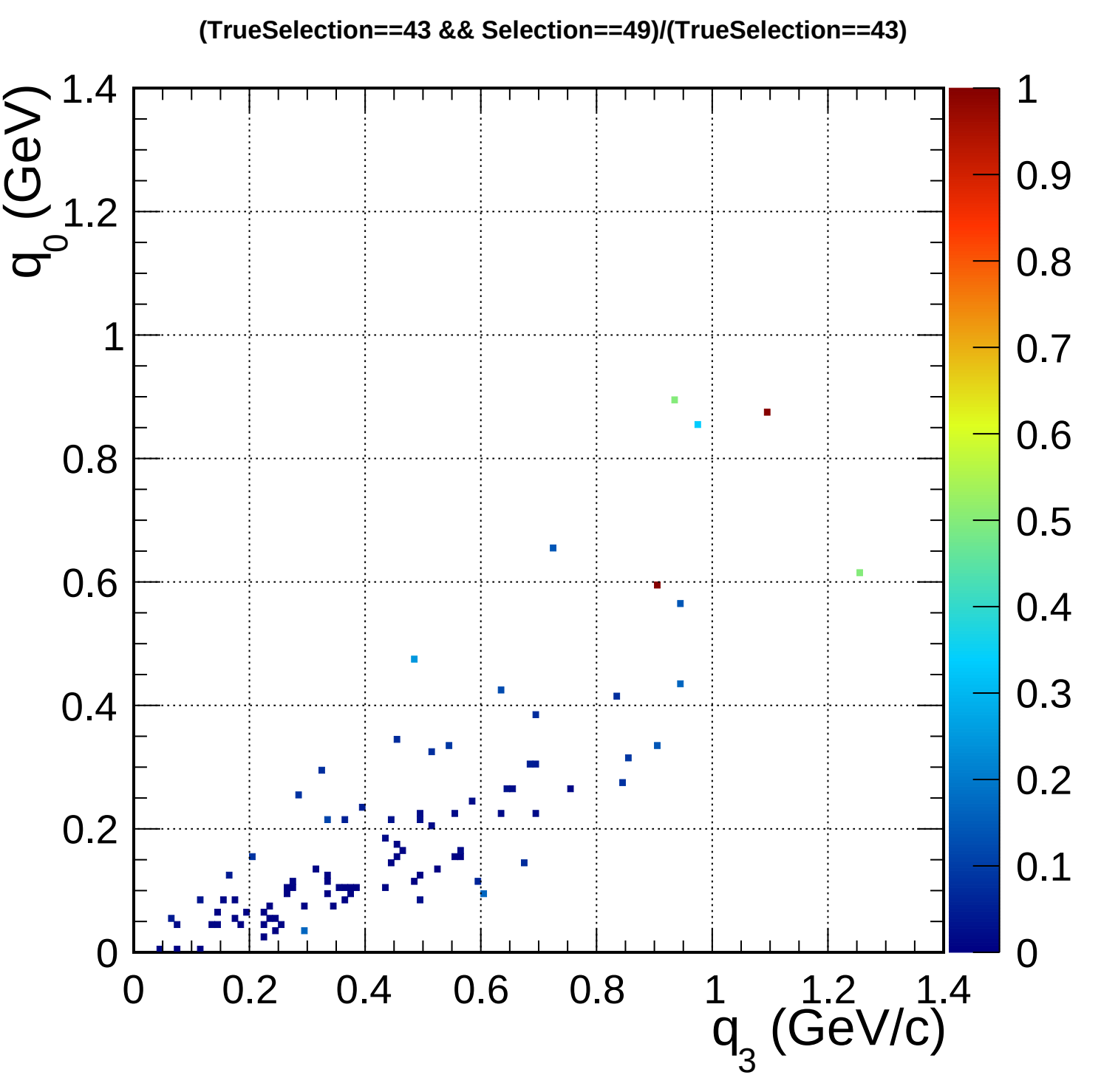

TrueSelection==43 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

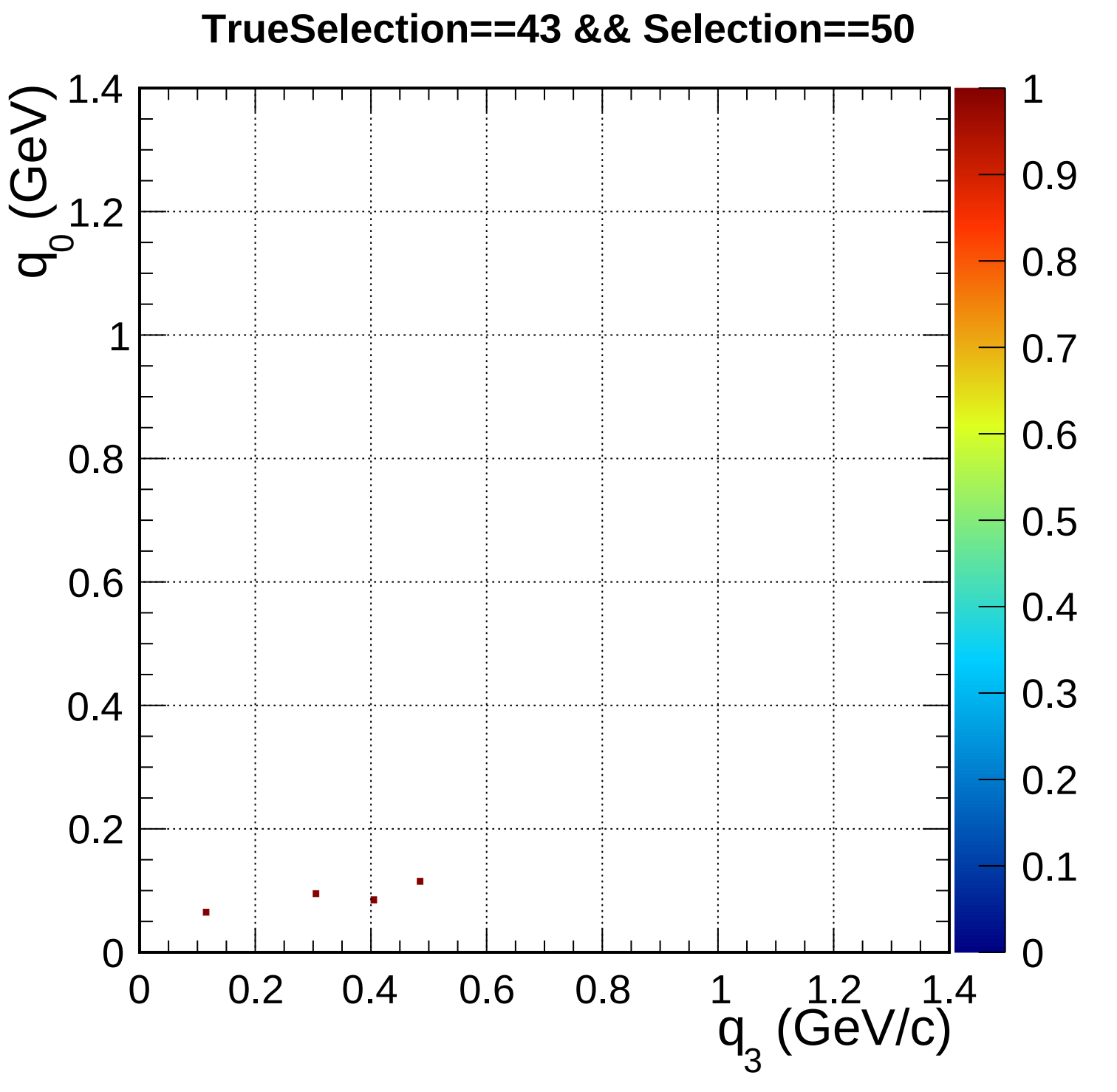

(TrueSelection==43 && Selection==44)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

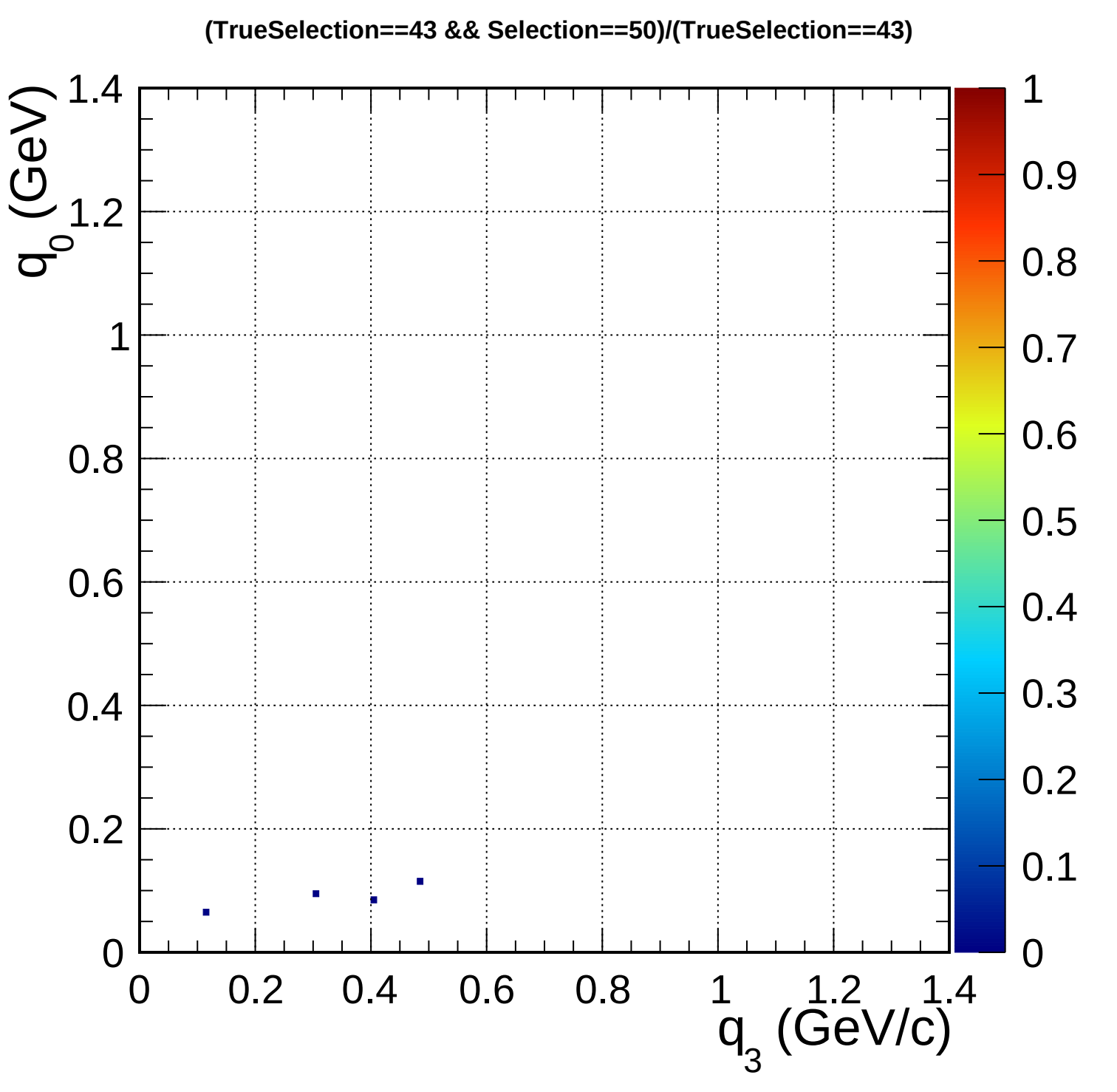

TrueSelection==43 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

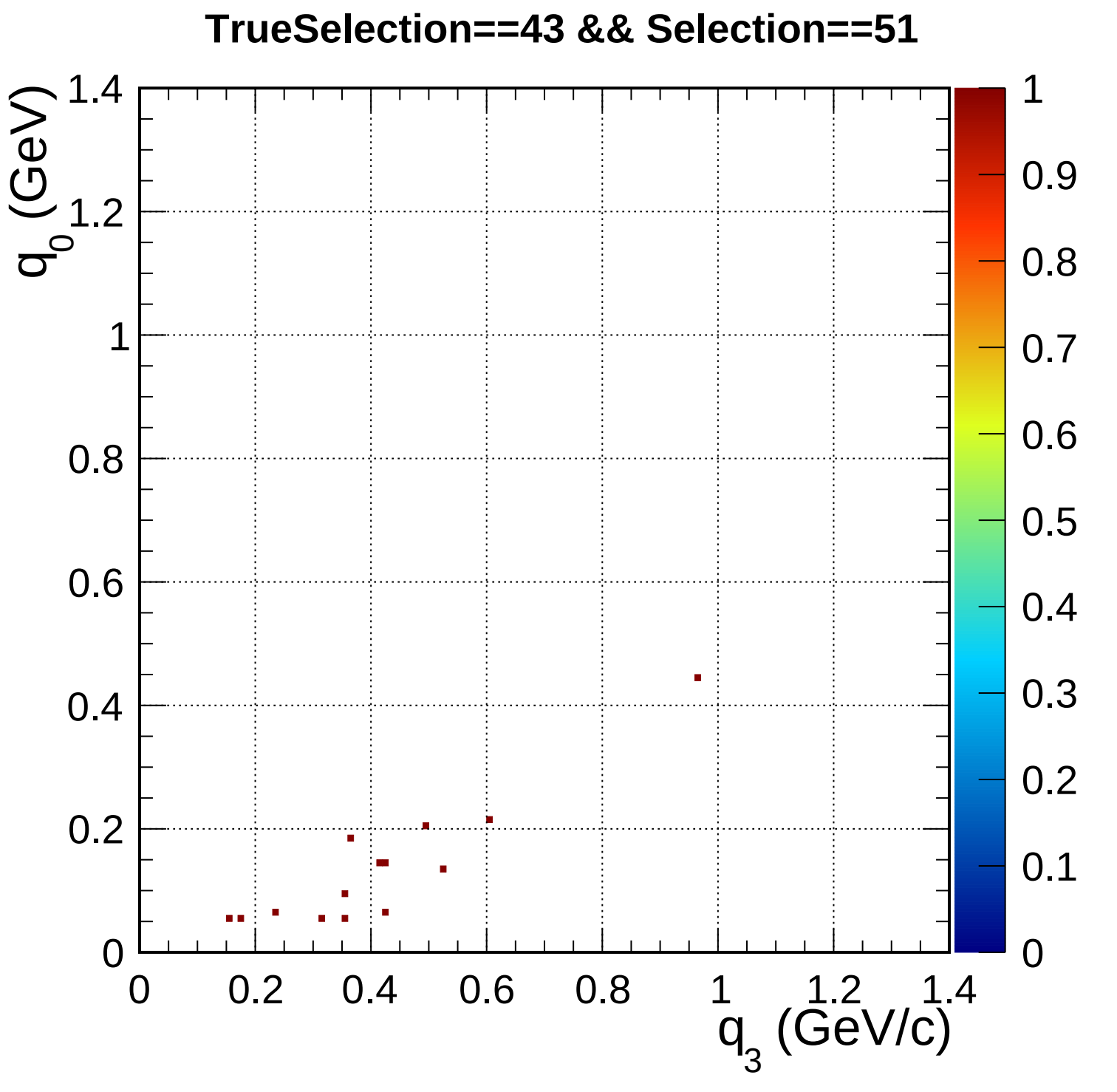

(TrueSelection==43 && Selection==45)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

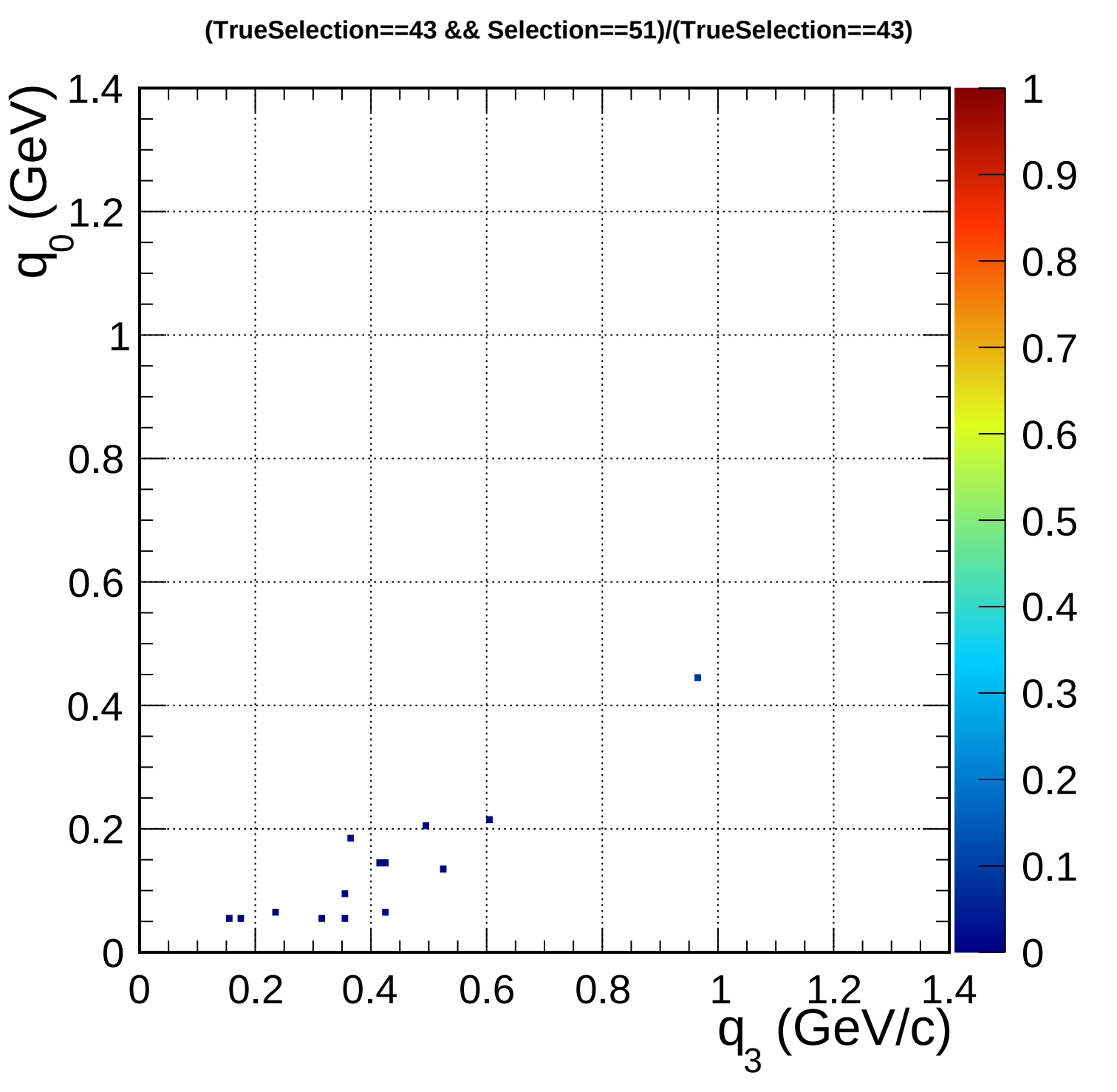

TrueSelection==43 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

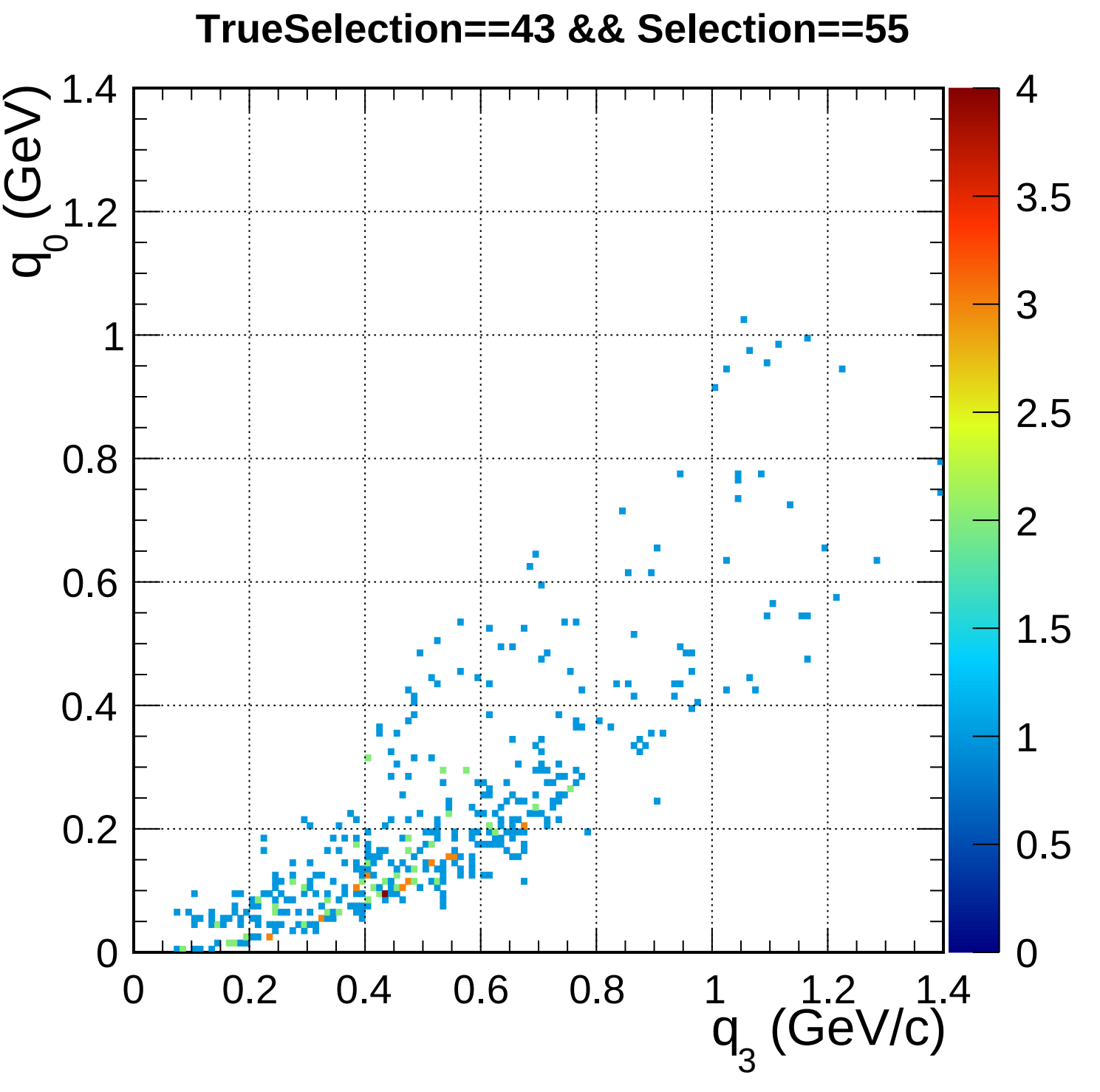

(TrueSelection==43 && Selection==49)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

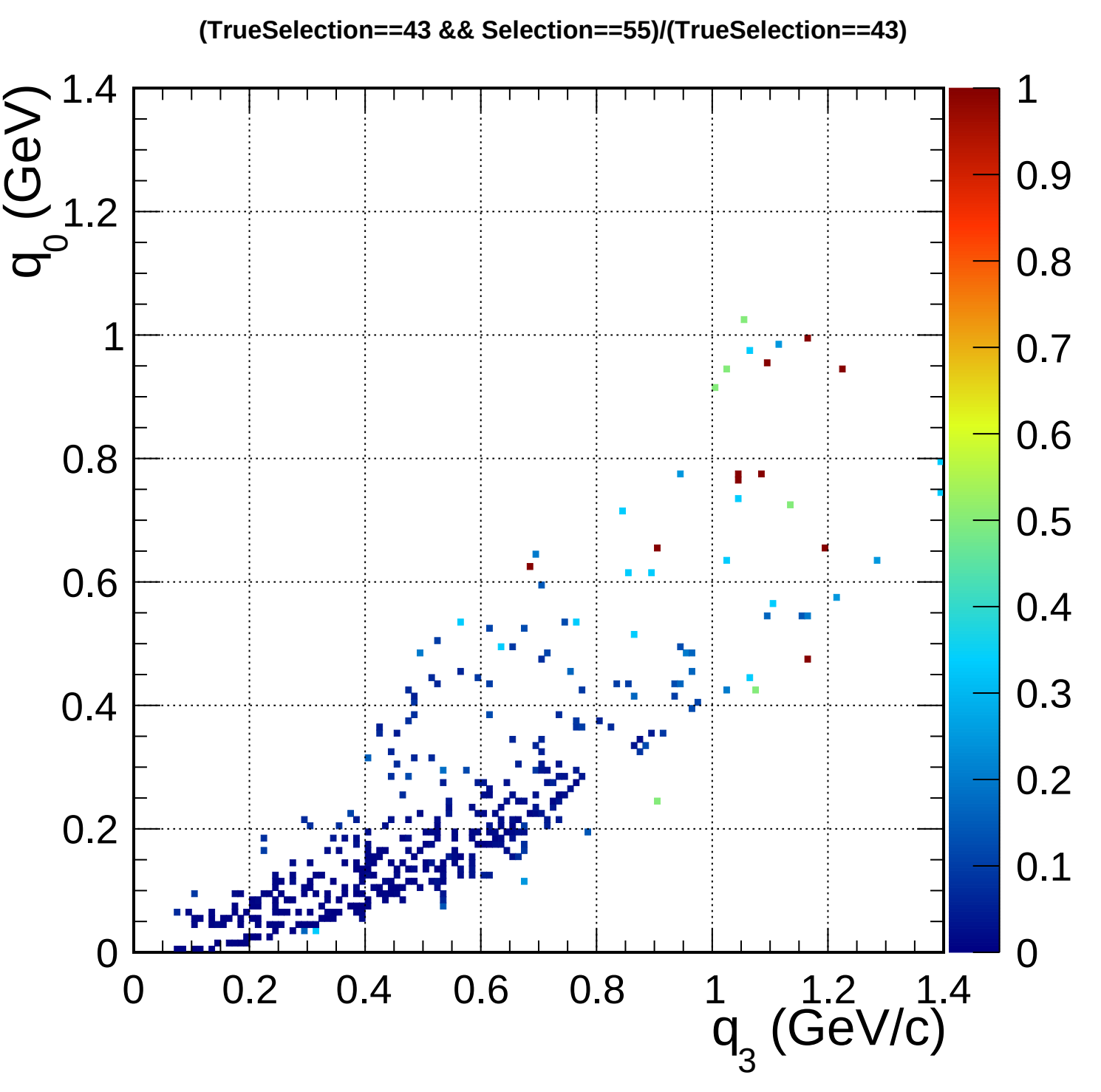

TrueSelection==43 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

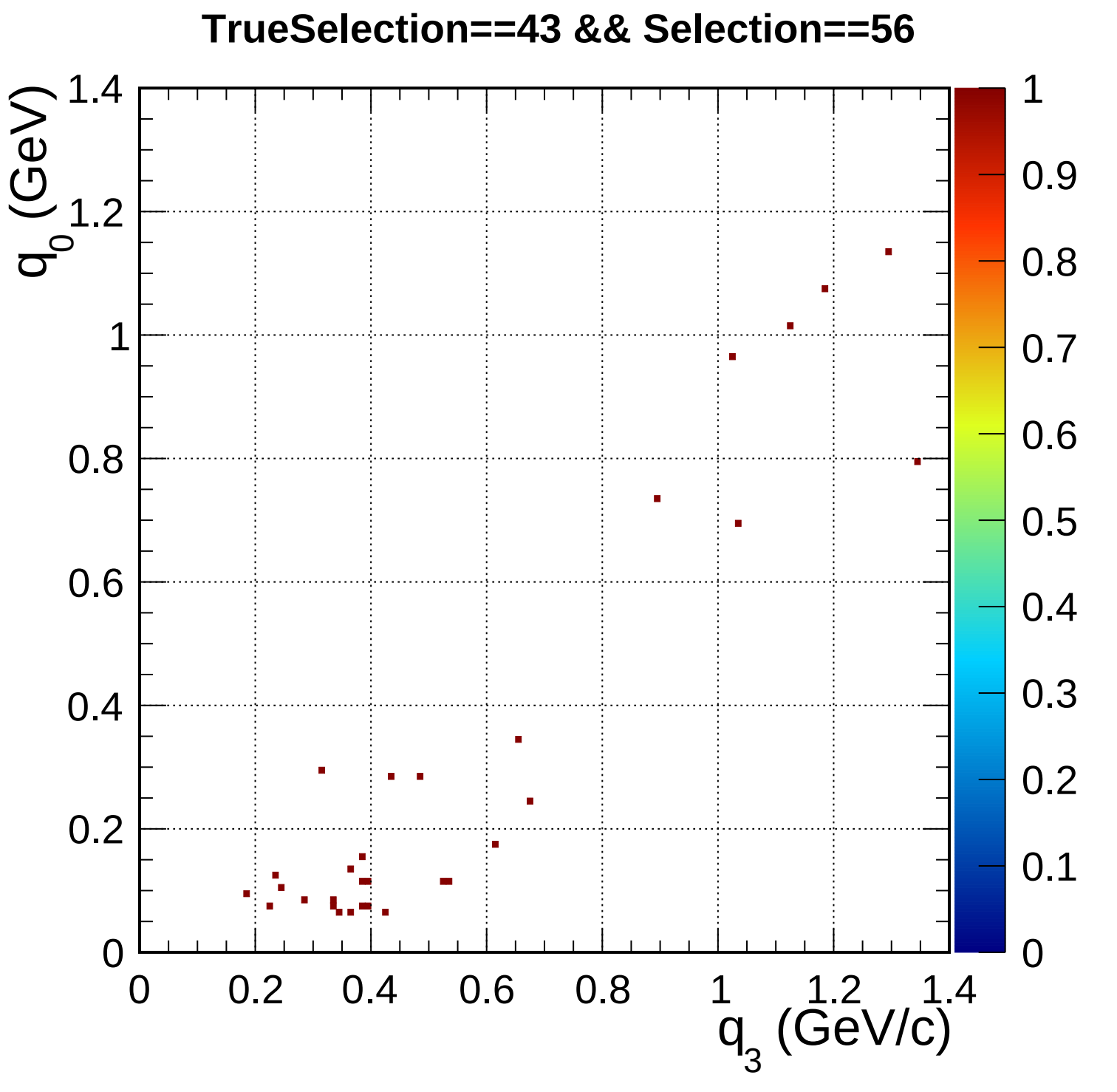

(TrueSelection==43 && Selection==50)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

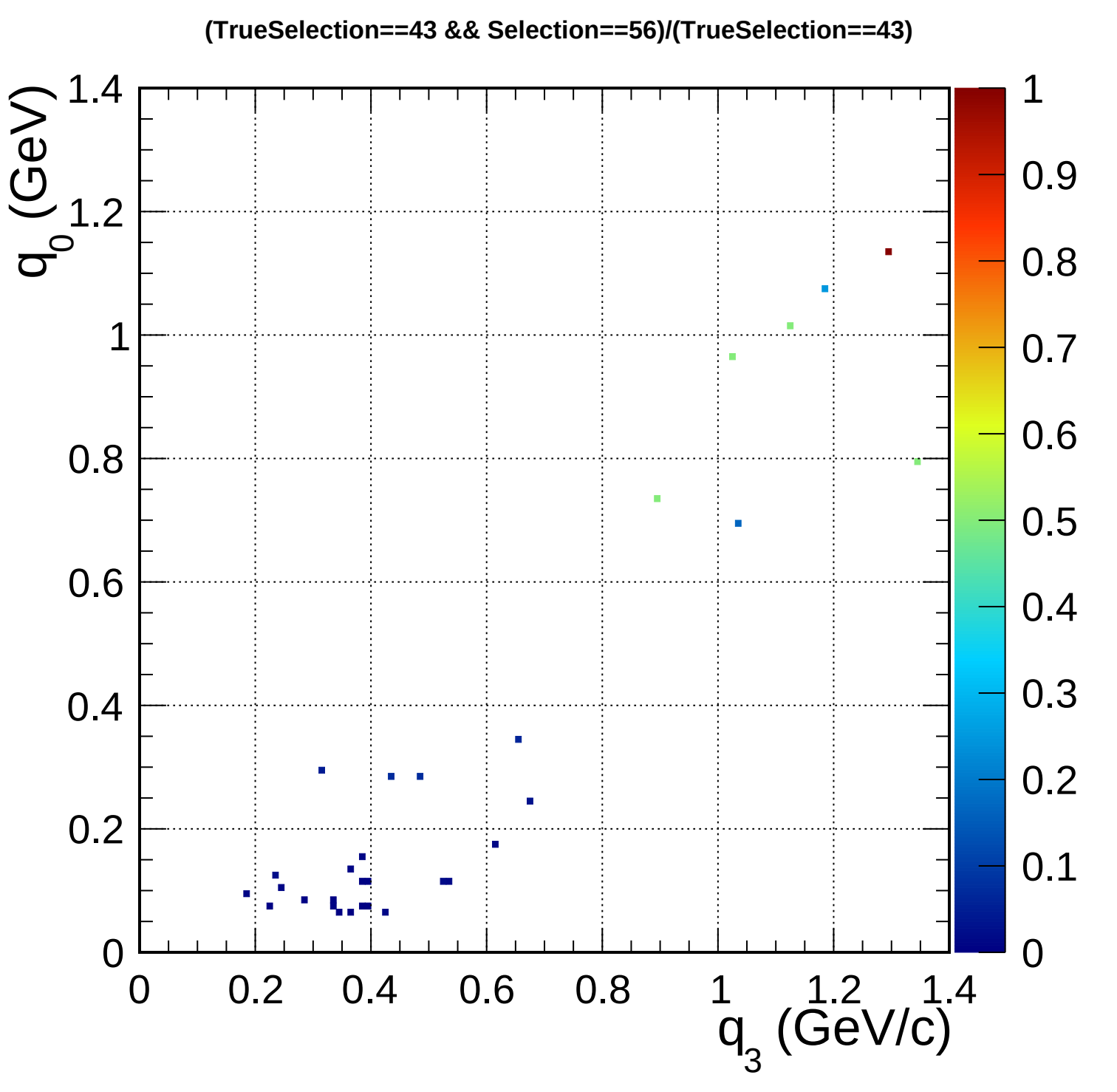

TrueSelection==43 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

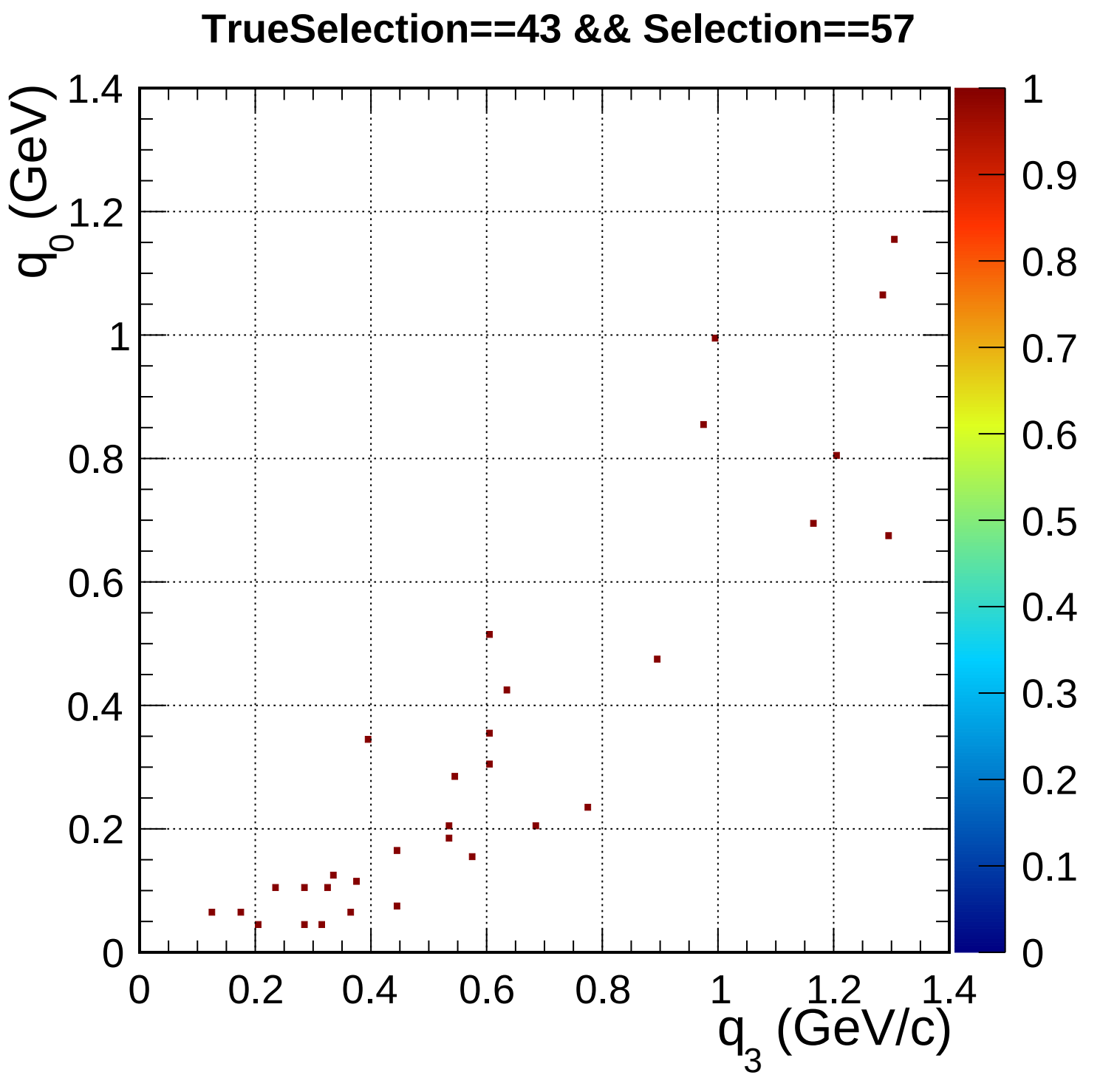

(TrueSelection==43 && Selection==51)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

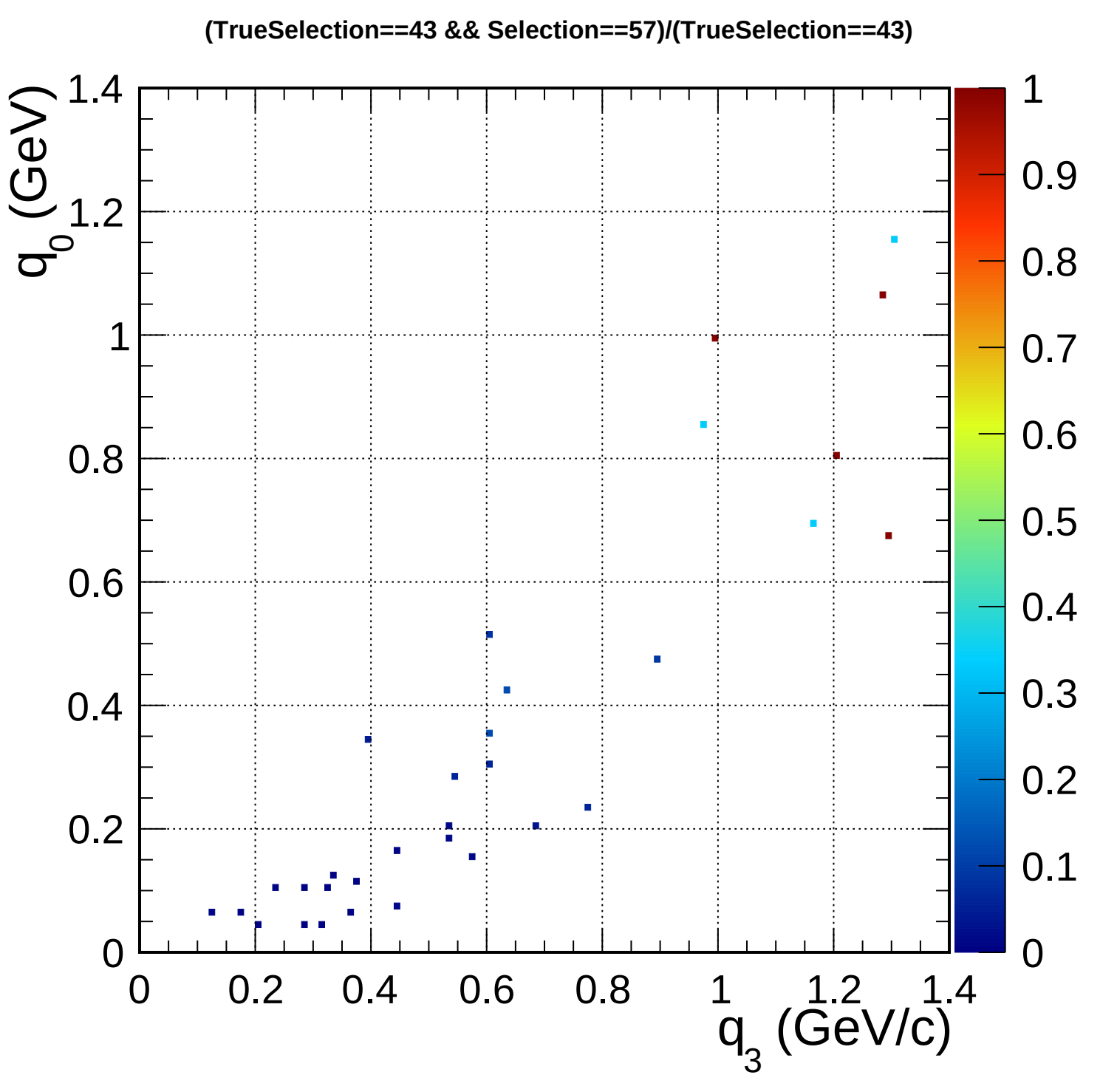

TrueSelection==43 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

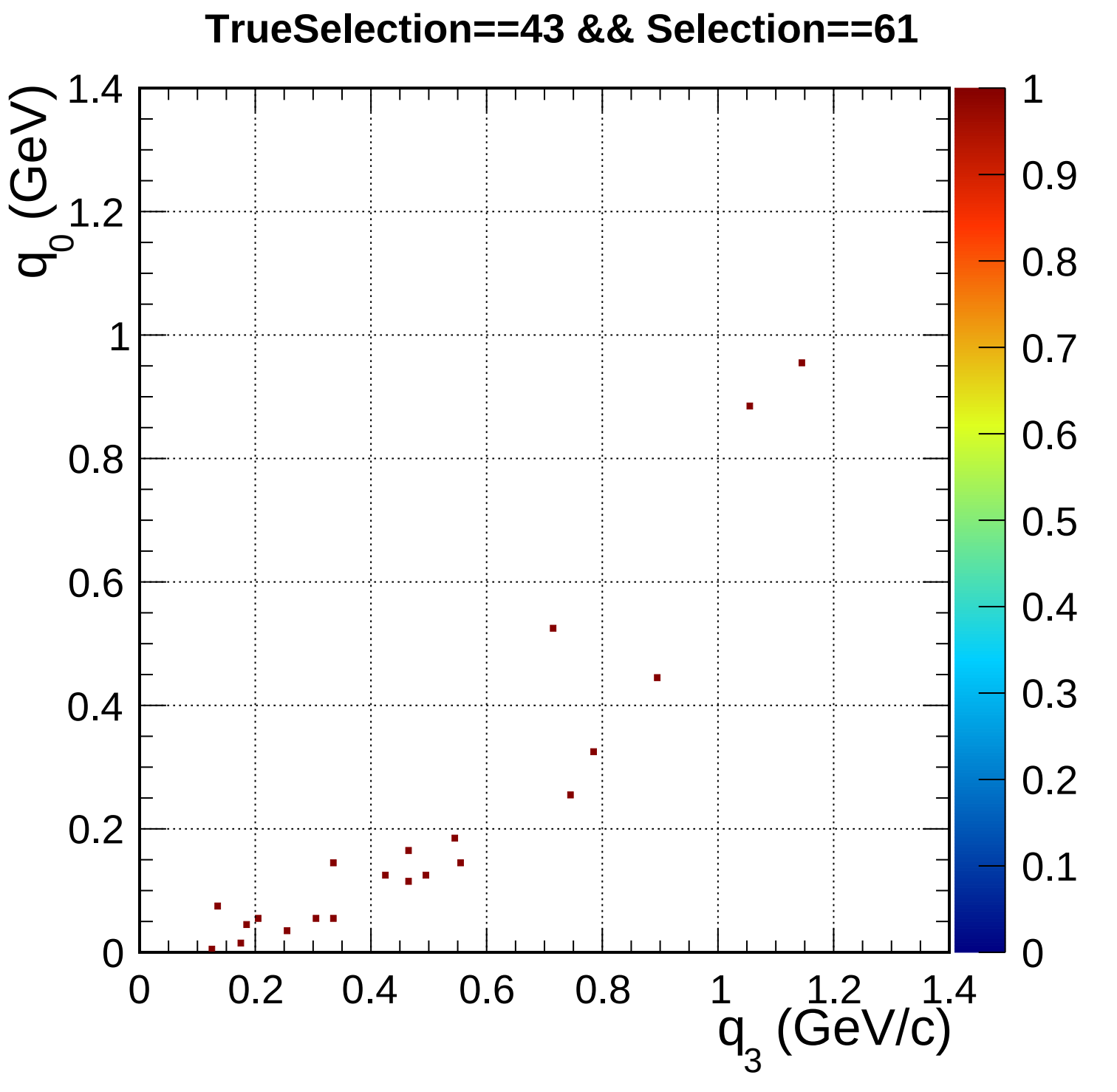

(TrueSelection==43 && Selection==55)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

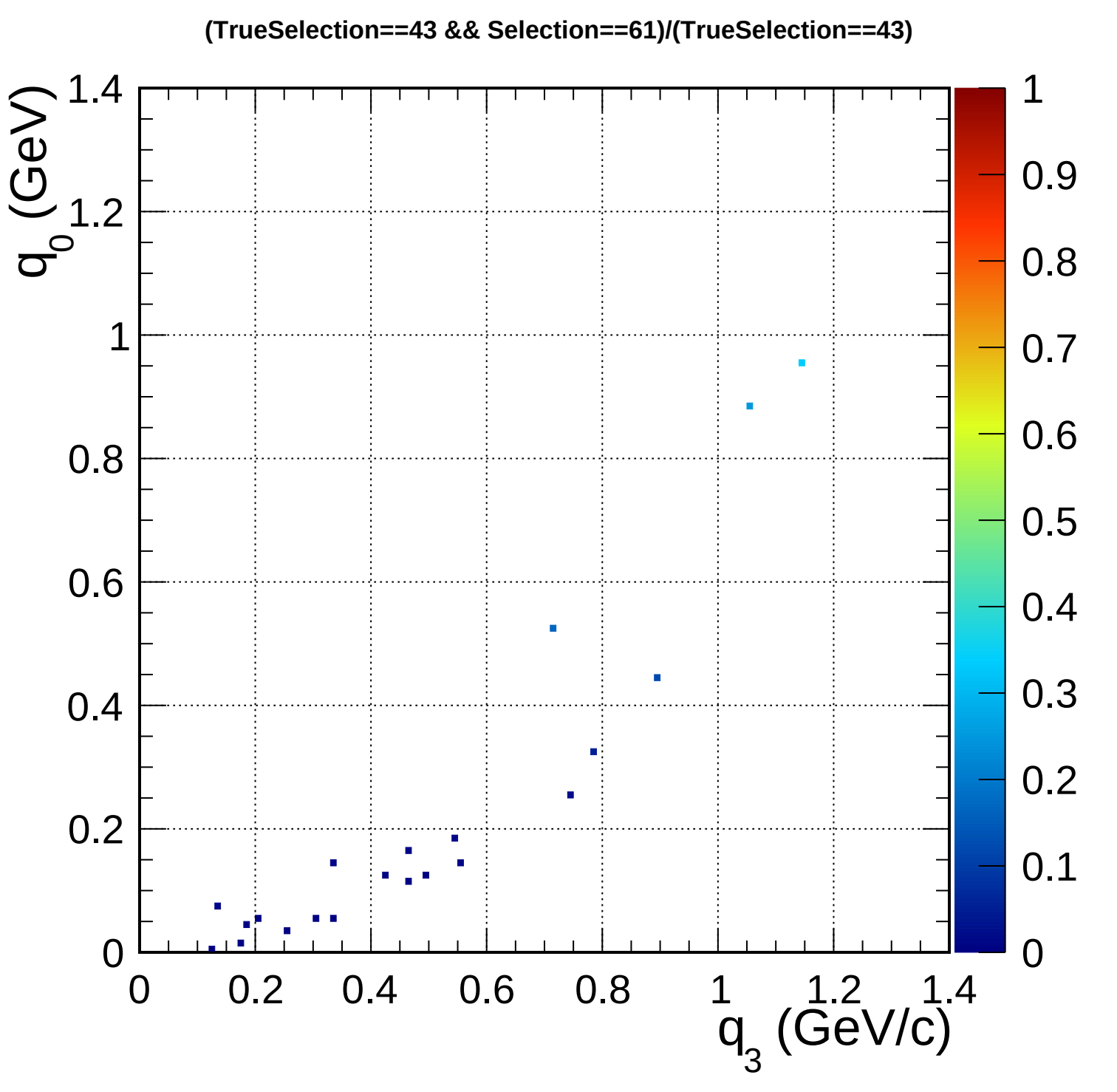

TrueSelection==43 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

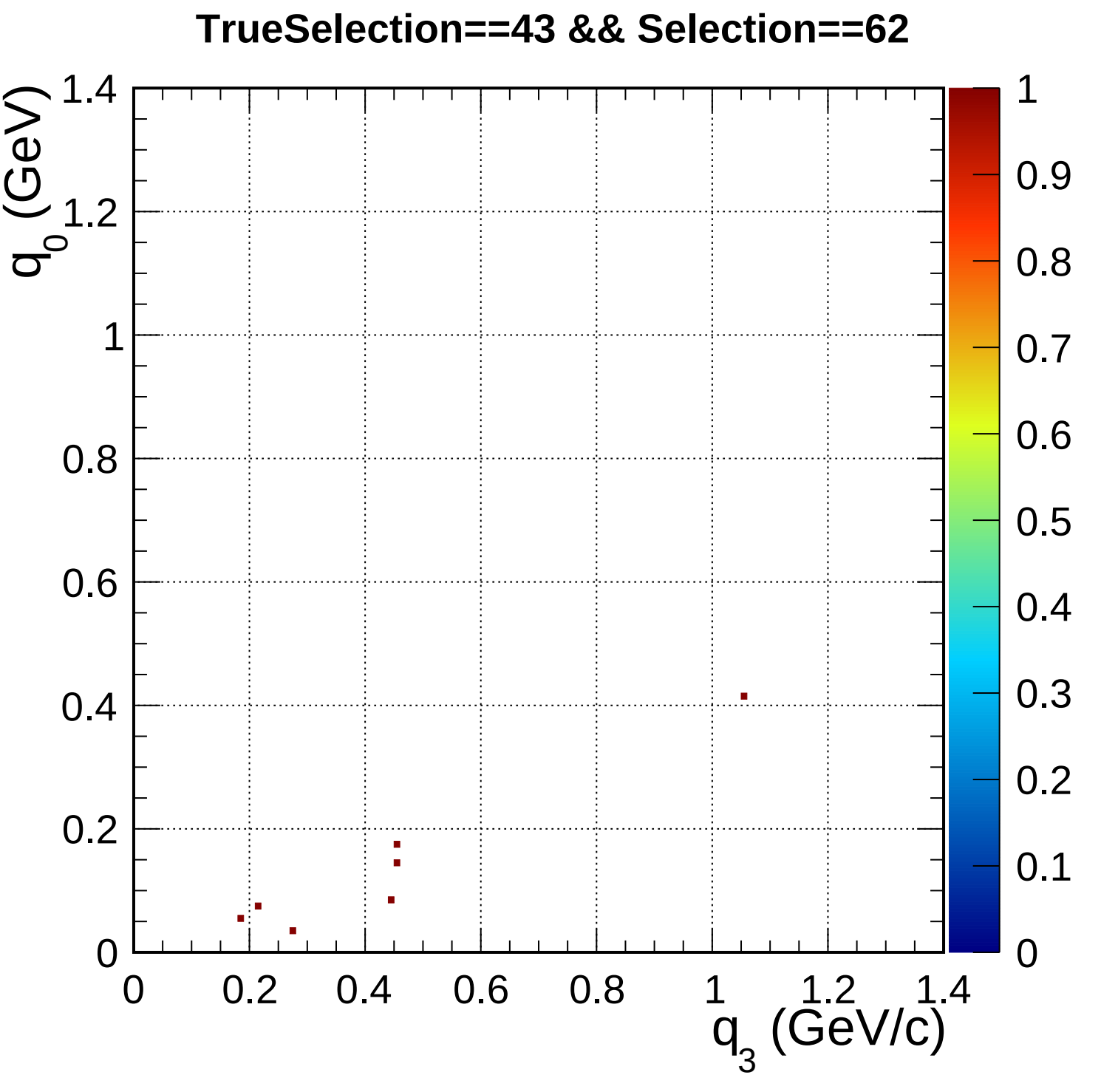

(TrueSelection==43 && Selection==56)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

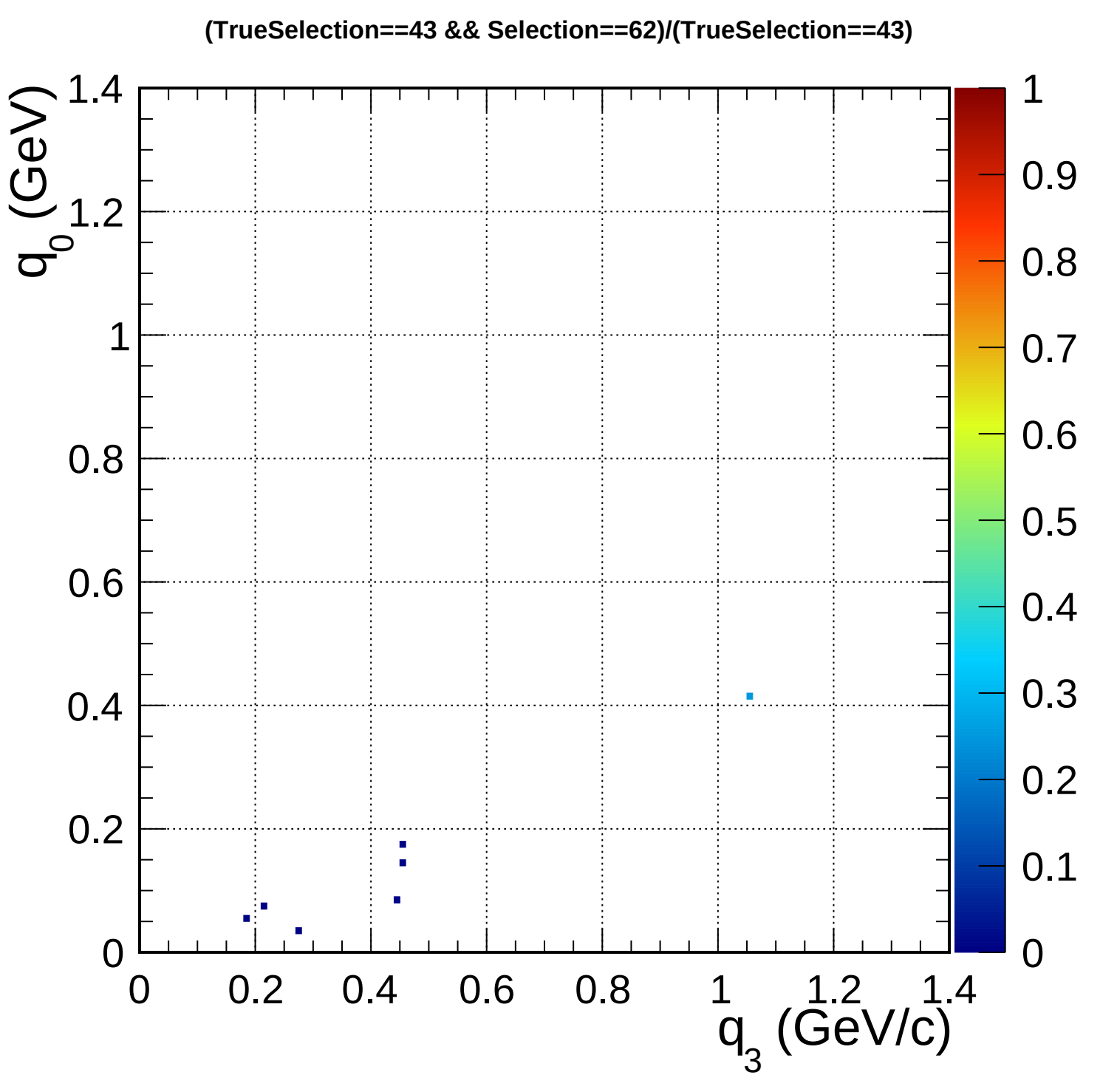

TrueSelection==43 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

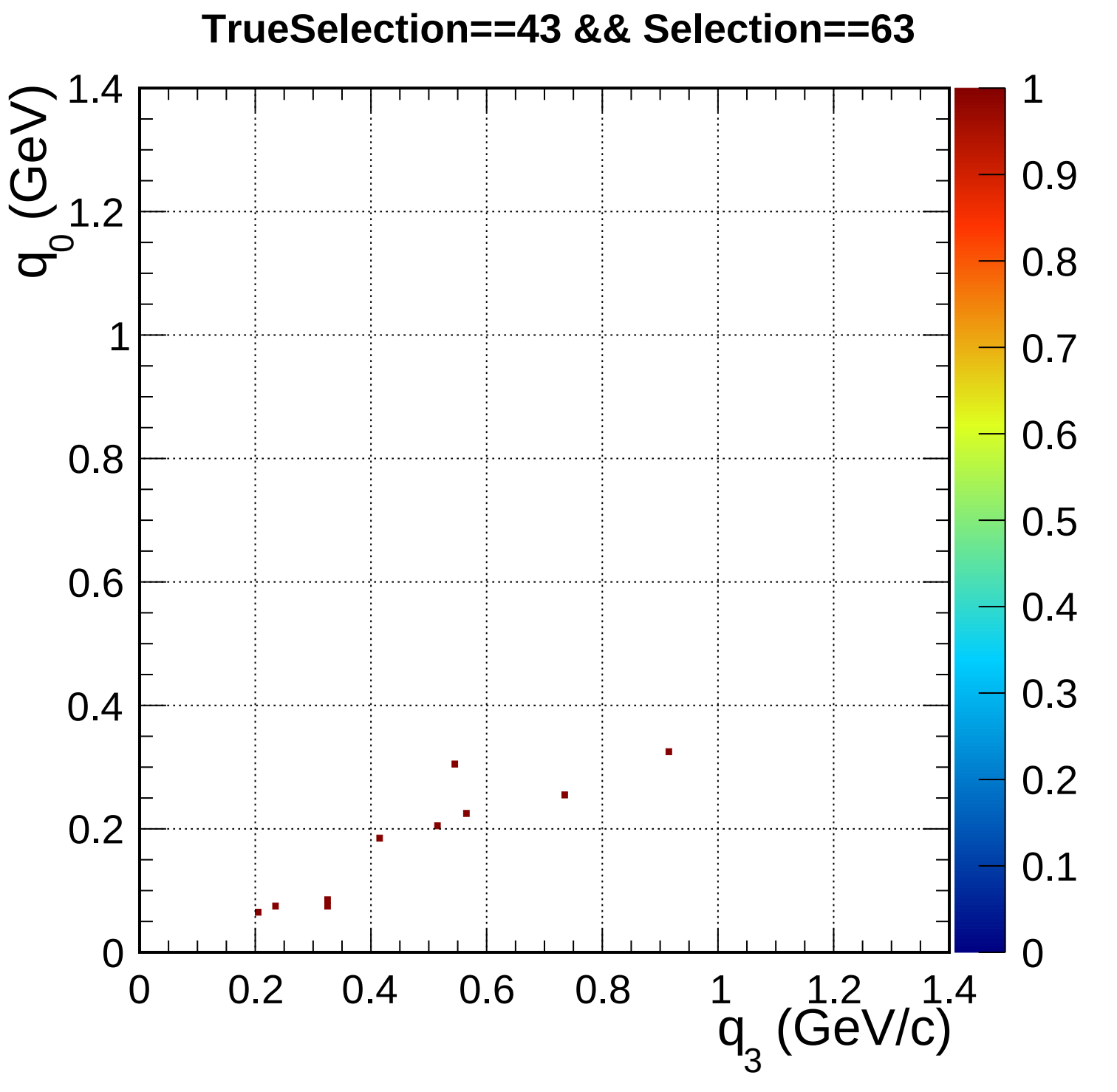

(TrueSelection==43 && Selection==57)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

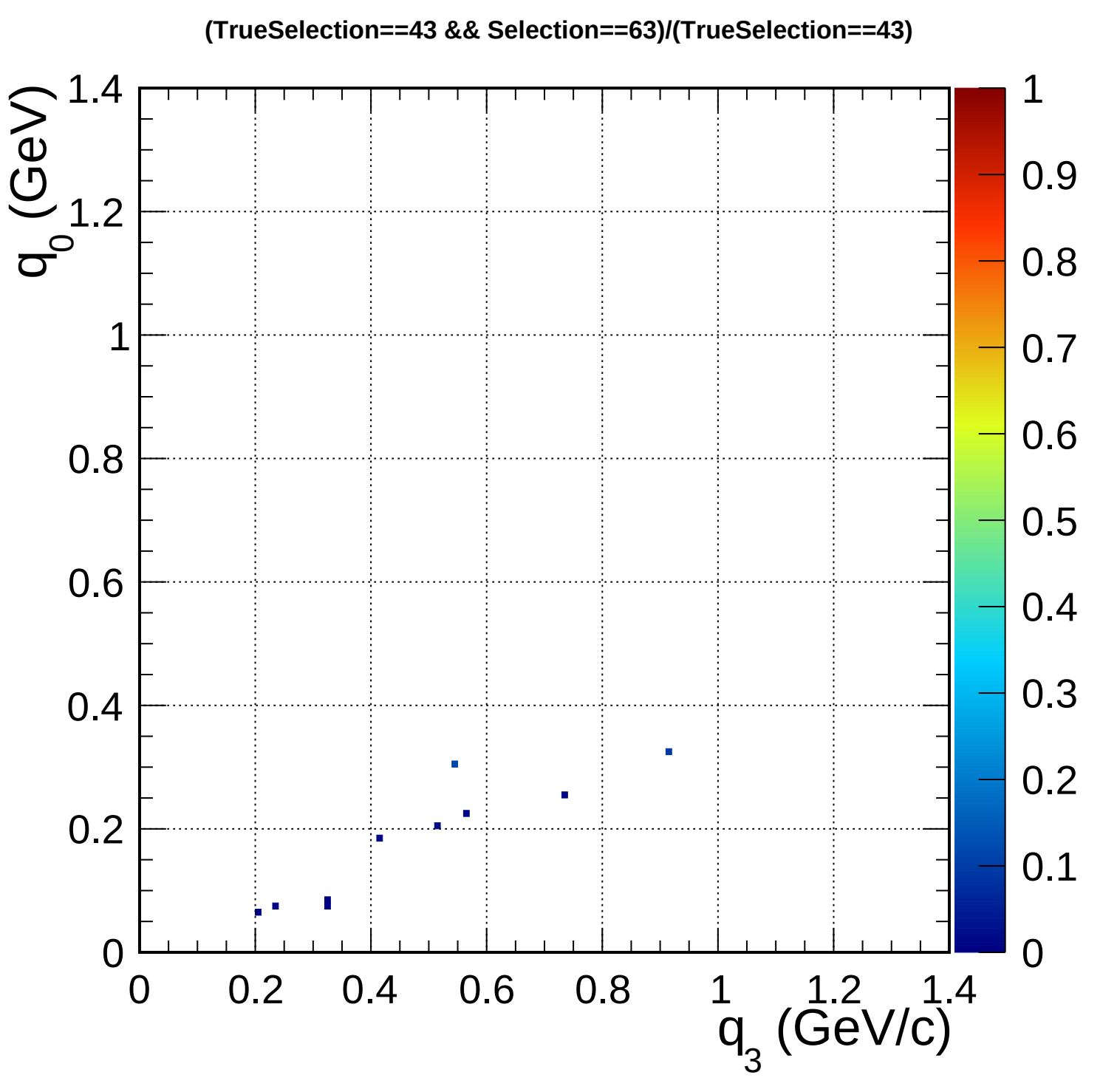

TrueSelection==43 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

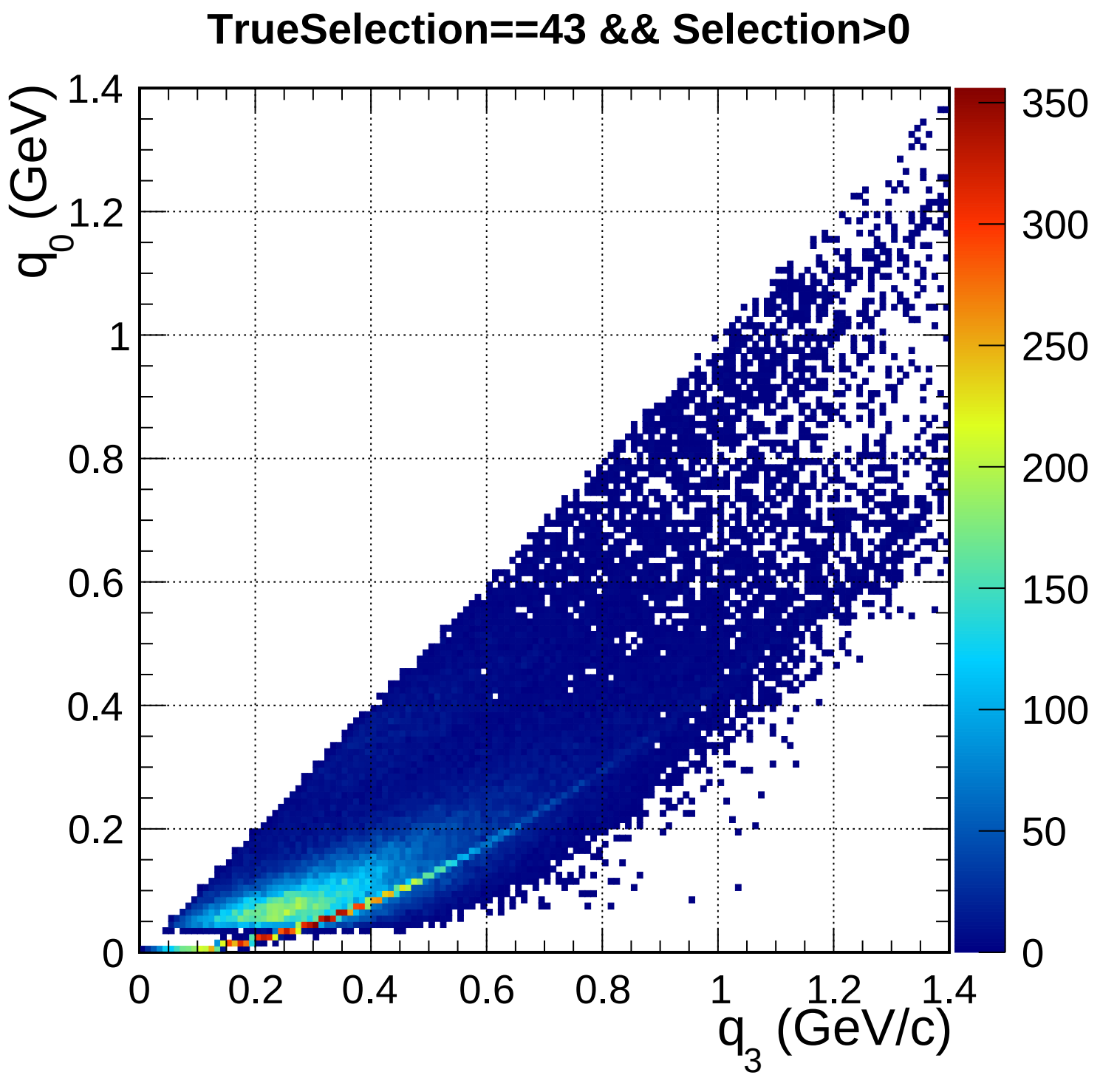

(TrueSelection==43 && Selection==61)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

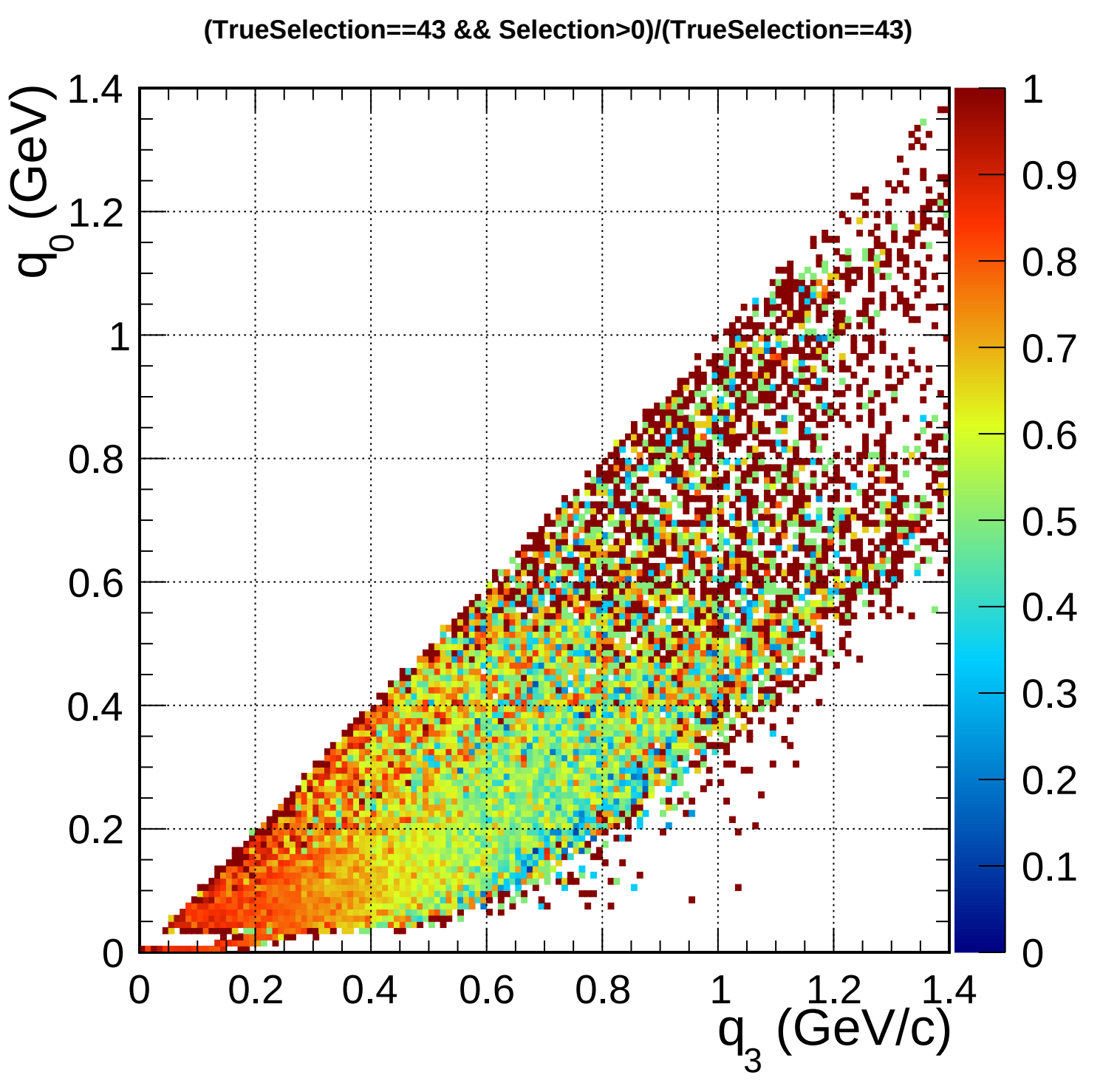

TrueSelection==43 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

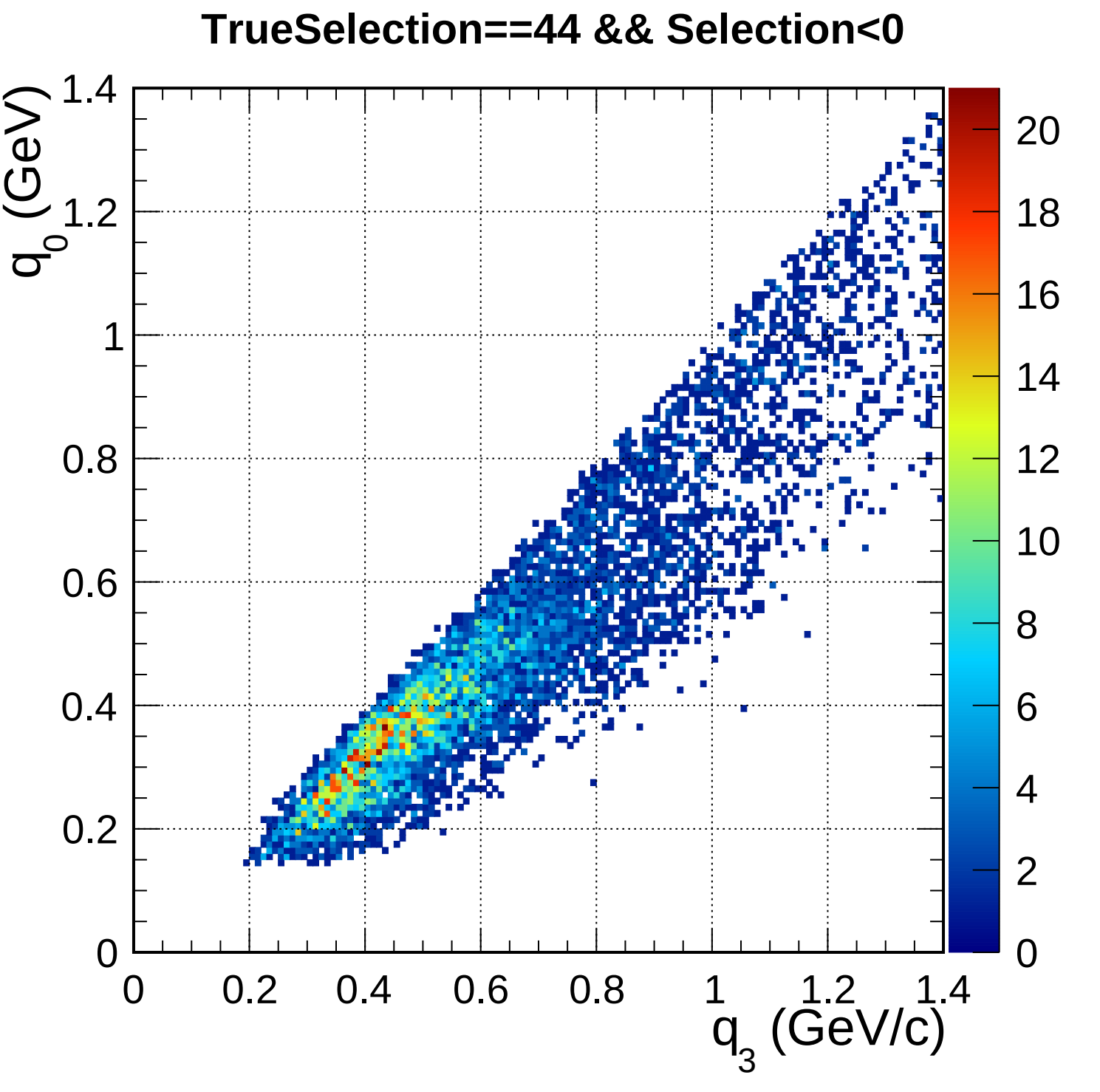

(TrueSelection==43 && Selection==62)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

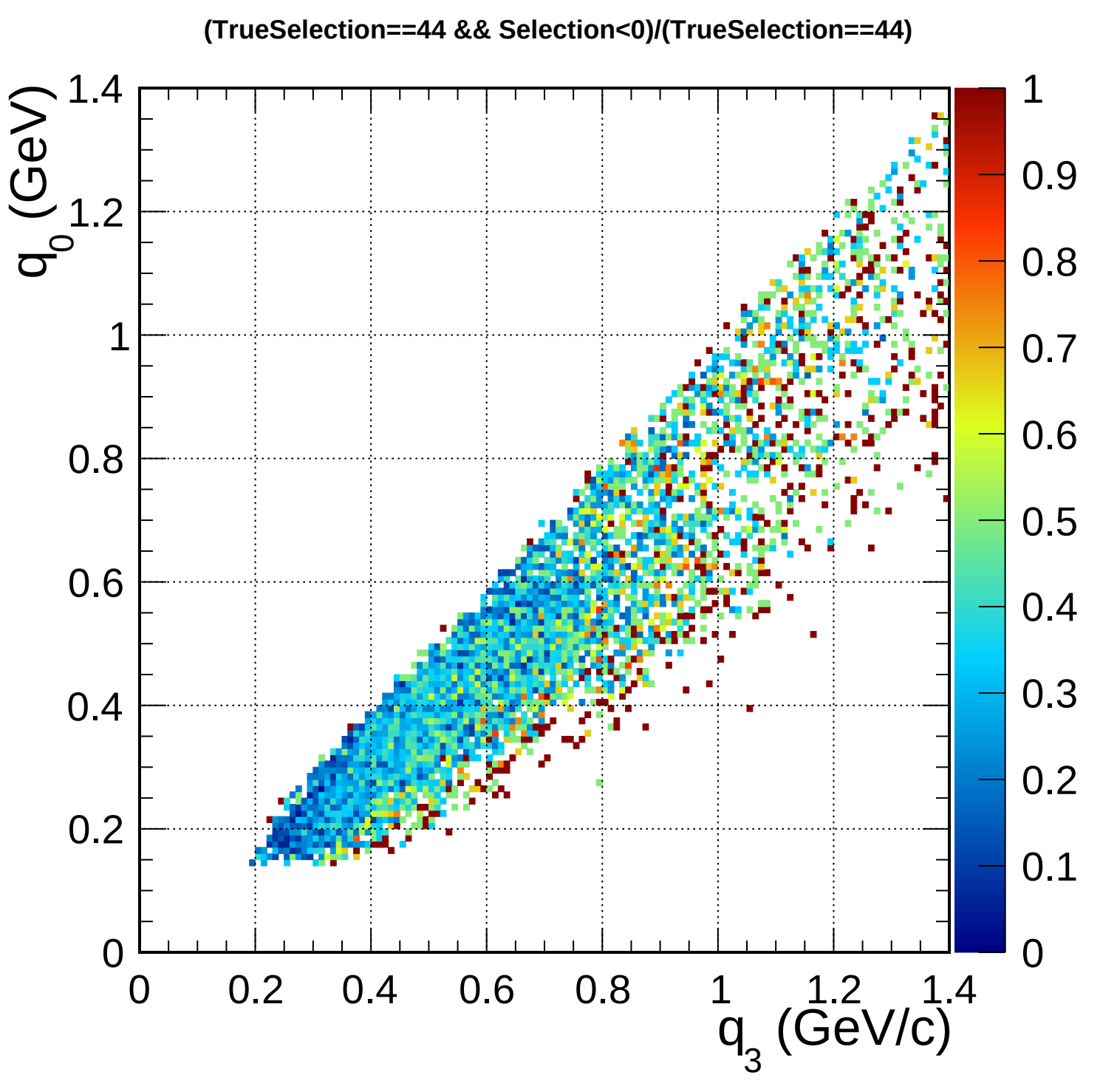

TrueSelection==43 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

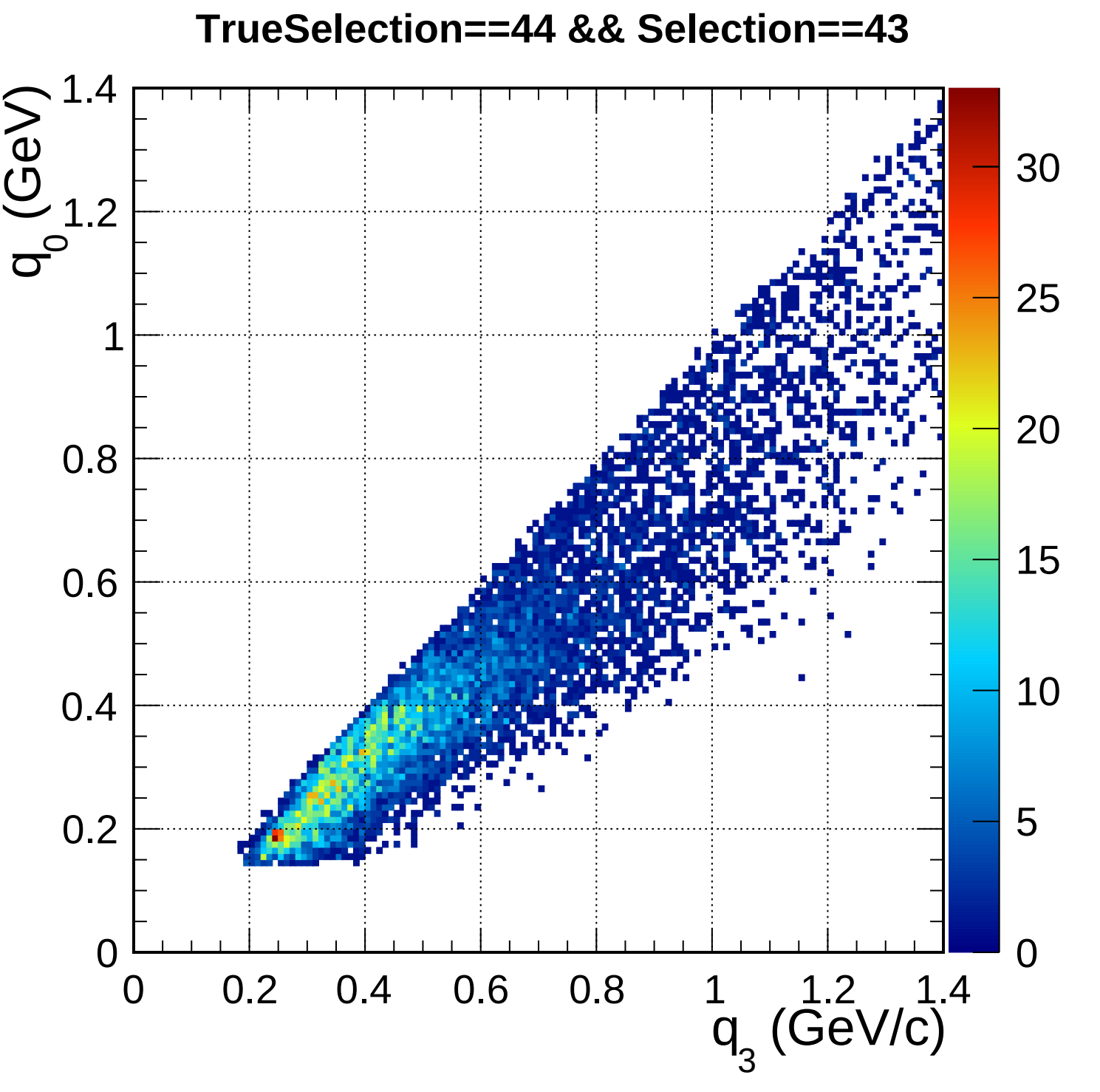

(TrueSelection==43 && Selection==63)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

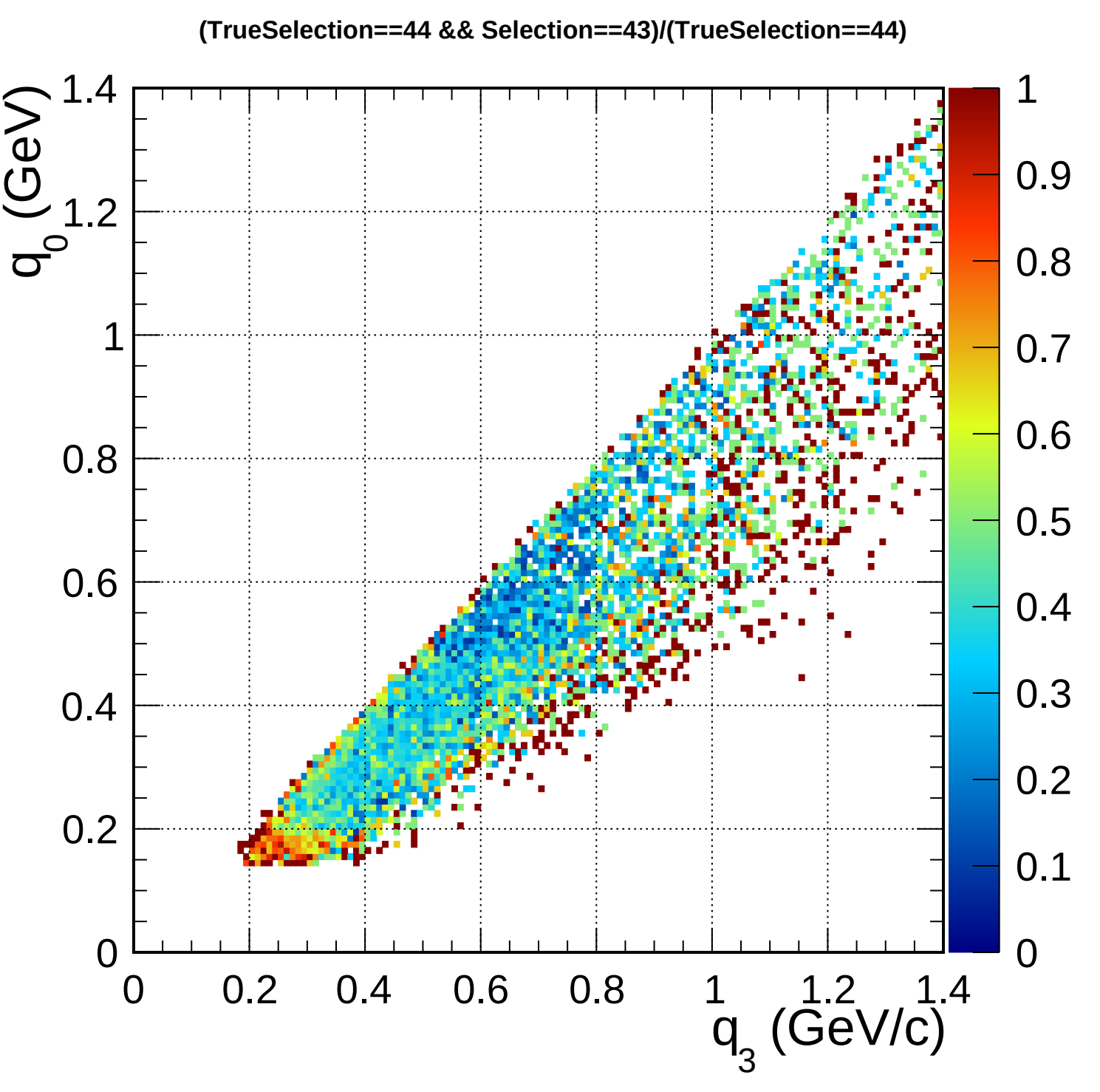

TrueSelection==43 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350

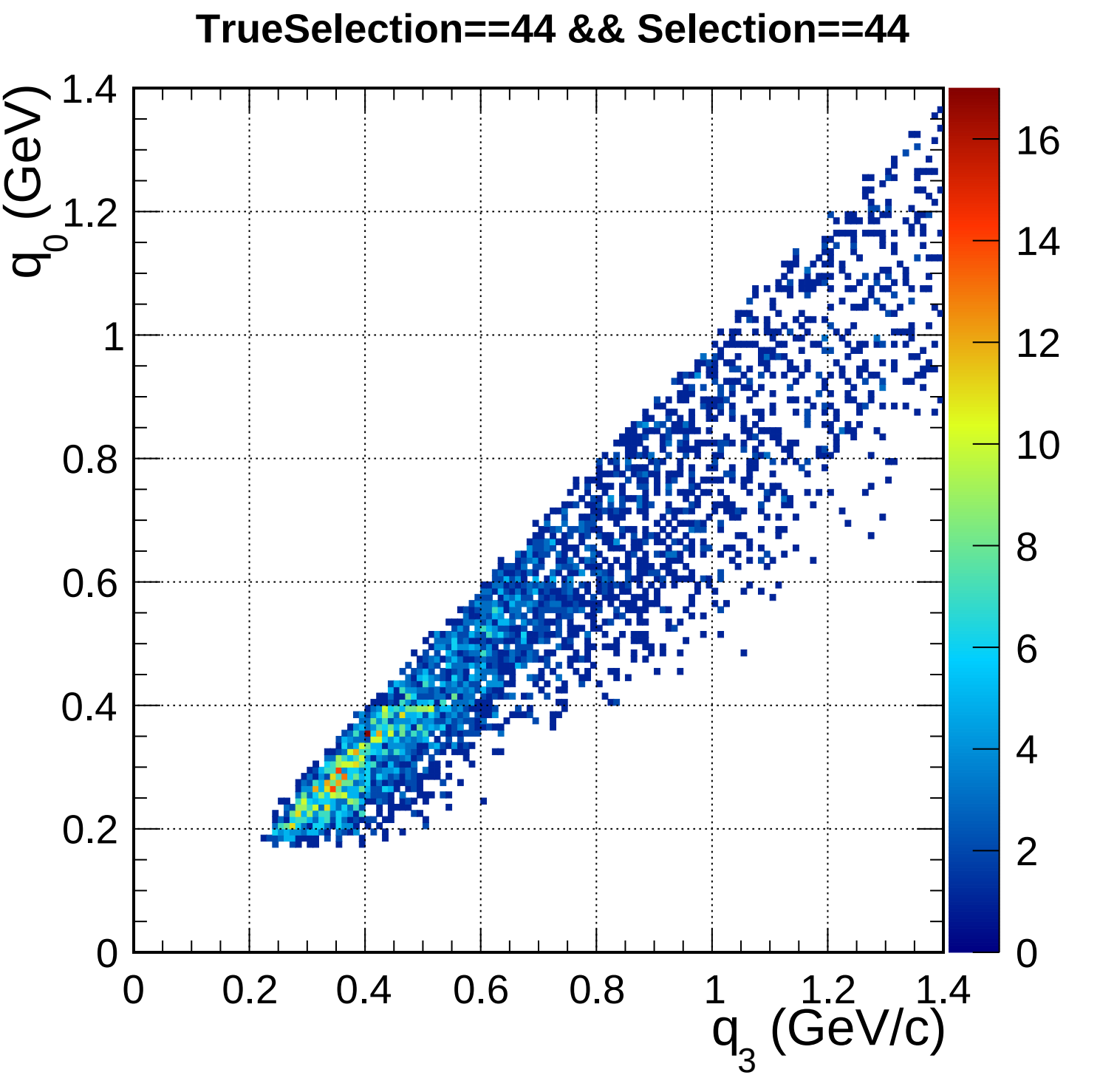

(TrueSelection==43 && Selection>0)/(TrueSelection==43)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

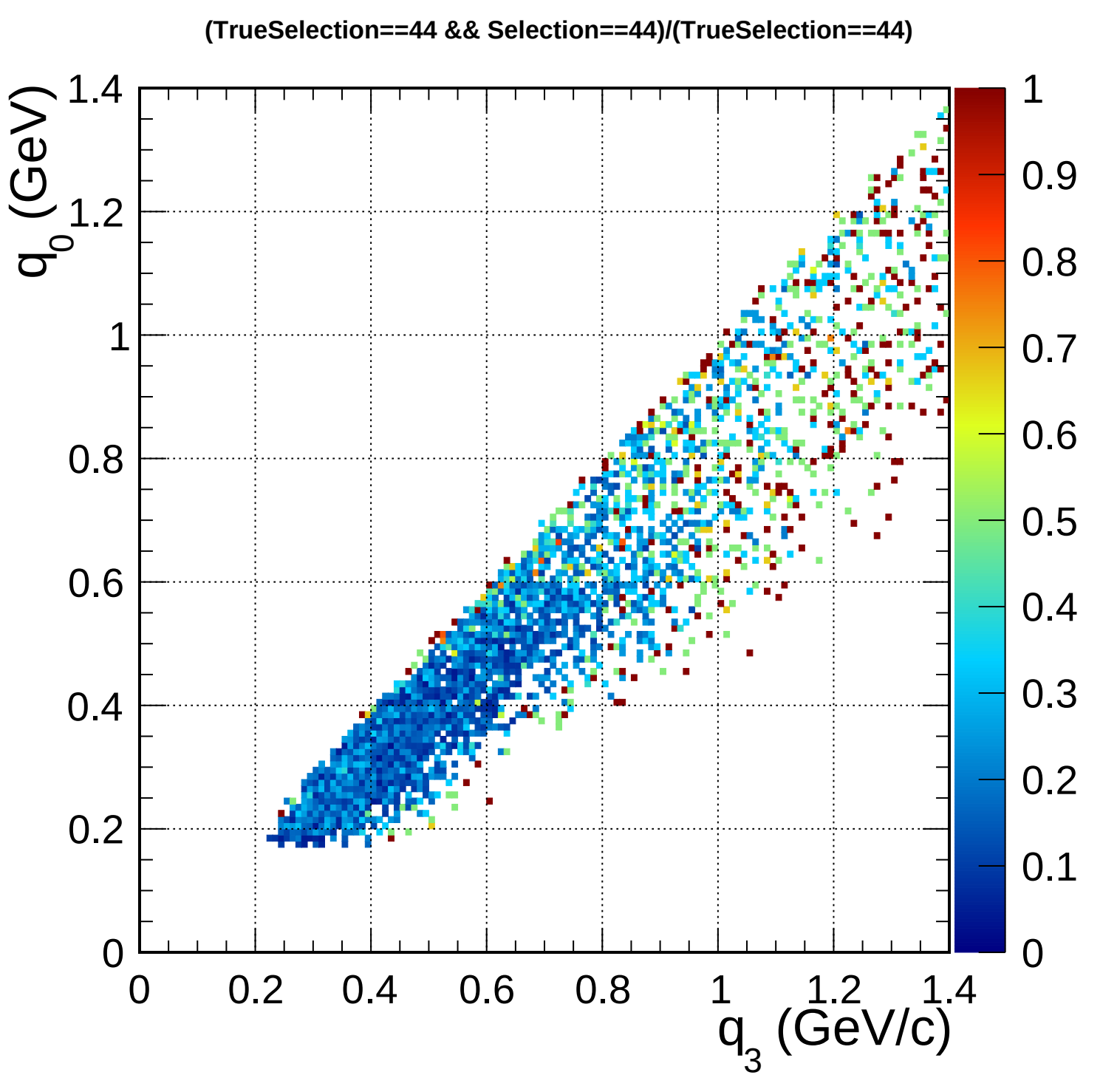

TrueSelection==44 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16
18
20

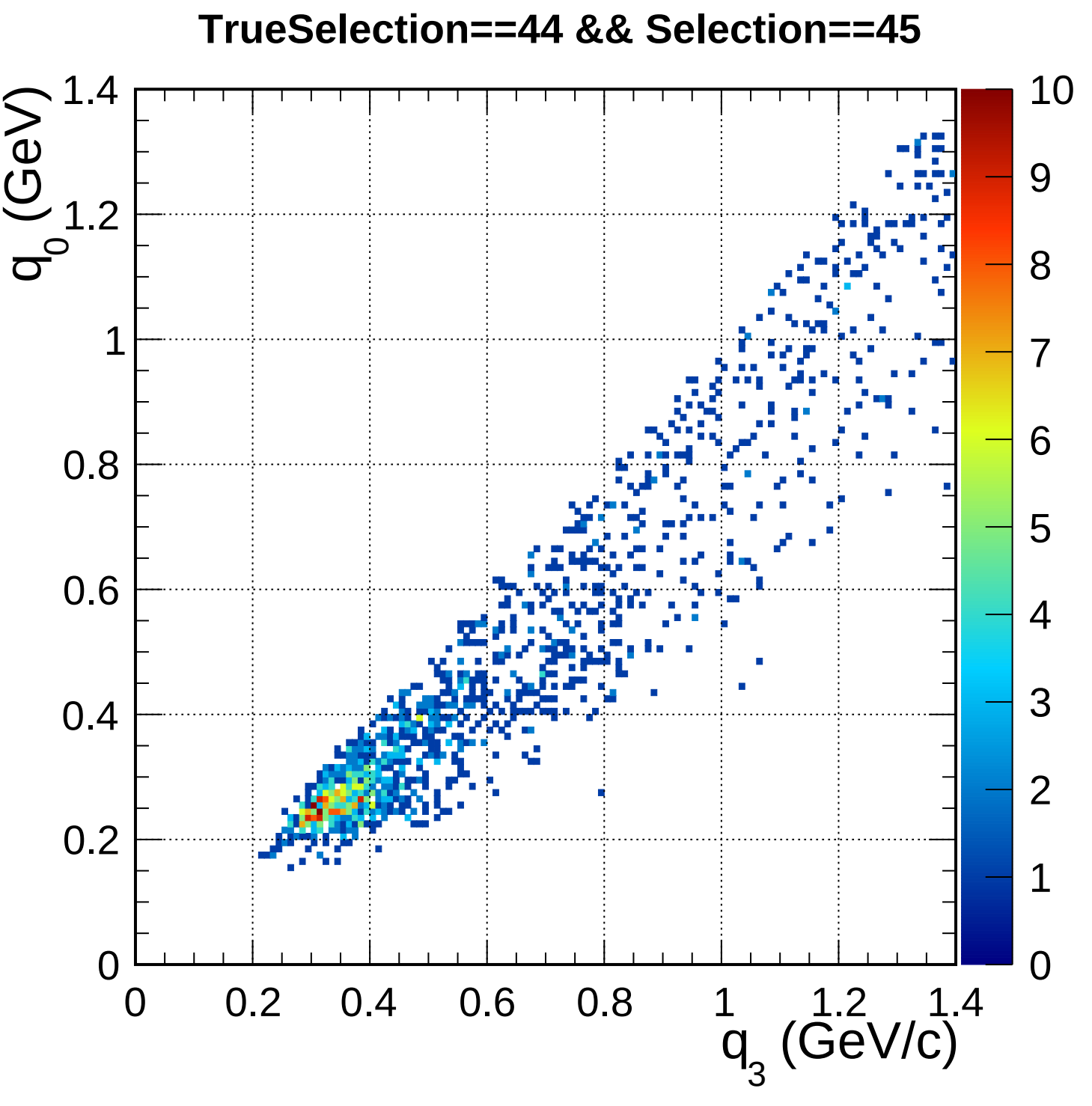

(TrueSelection==44 && Selection<0)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

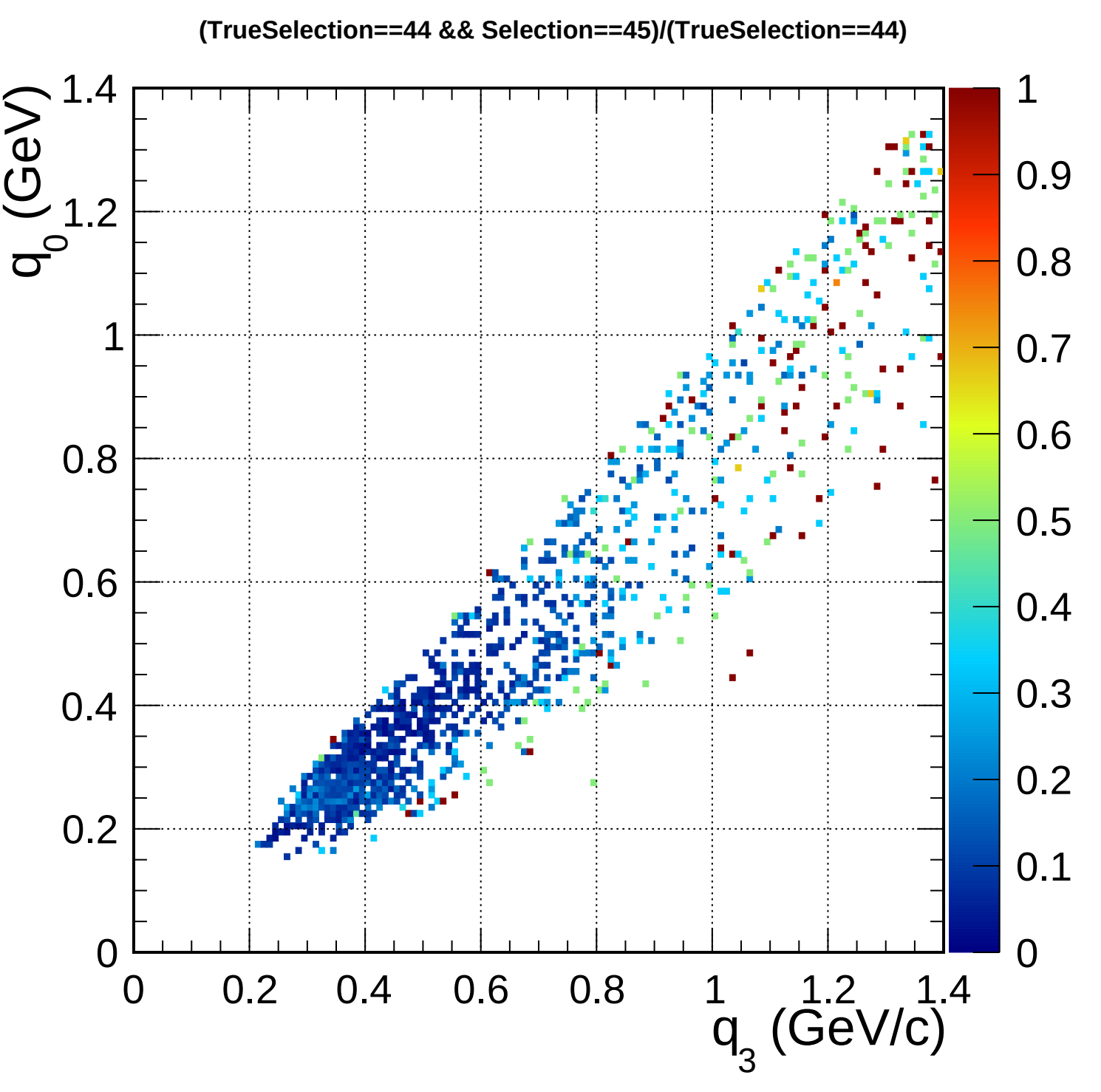

TrueSelection==44 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30

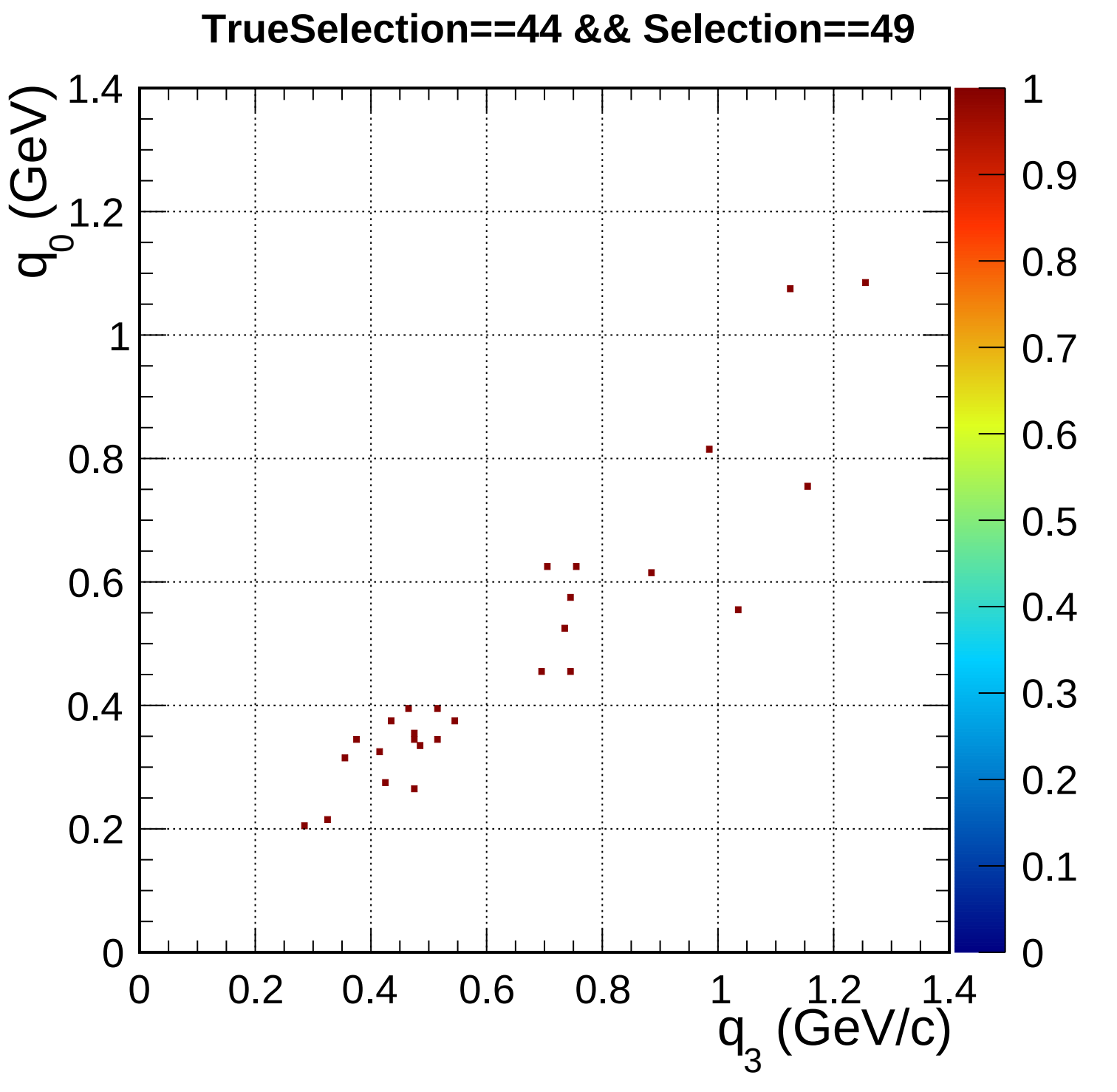

(TrueSelection==44 && Selection==43)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

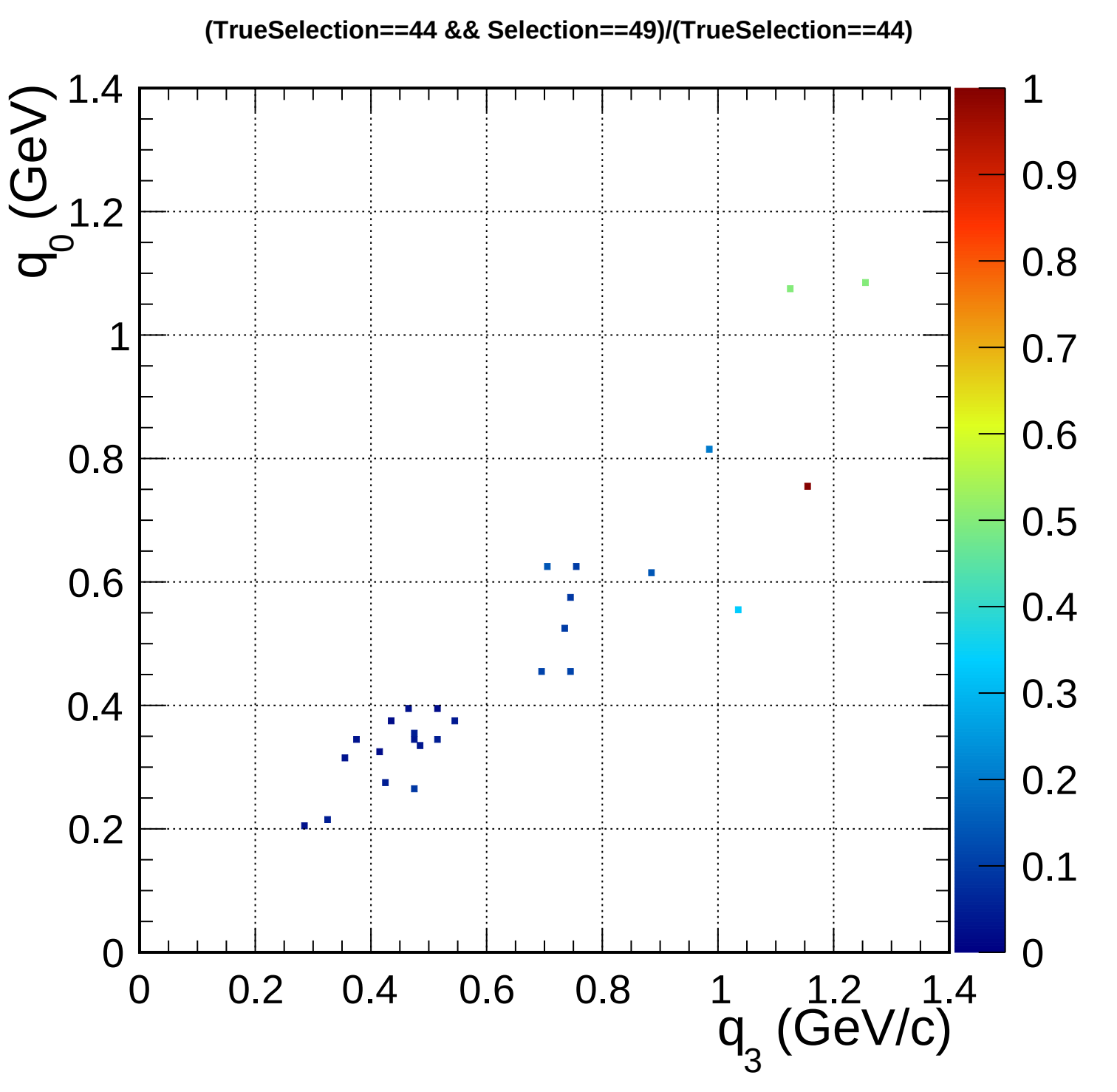

TrueSelection==44 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16

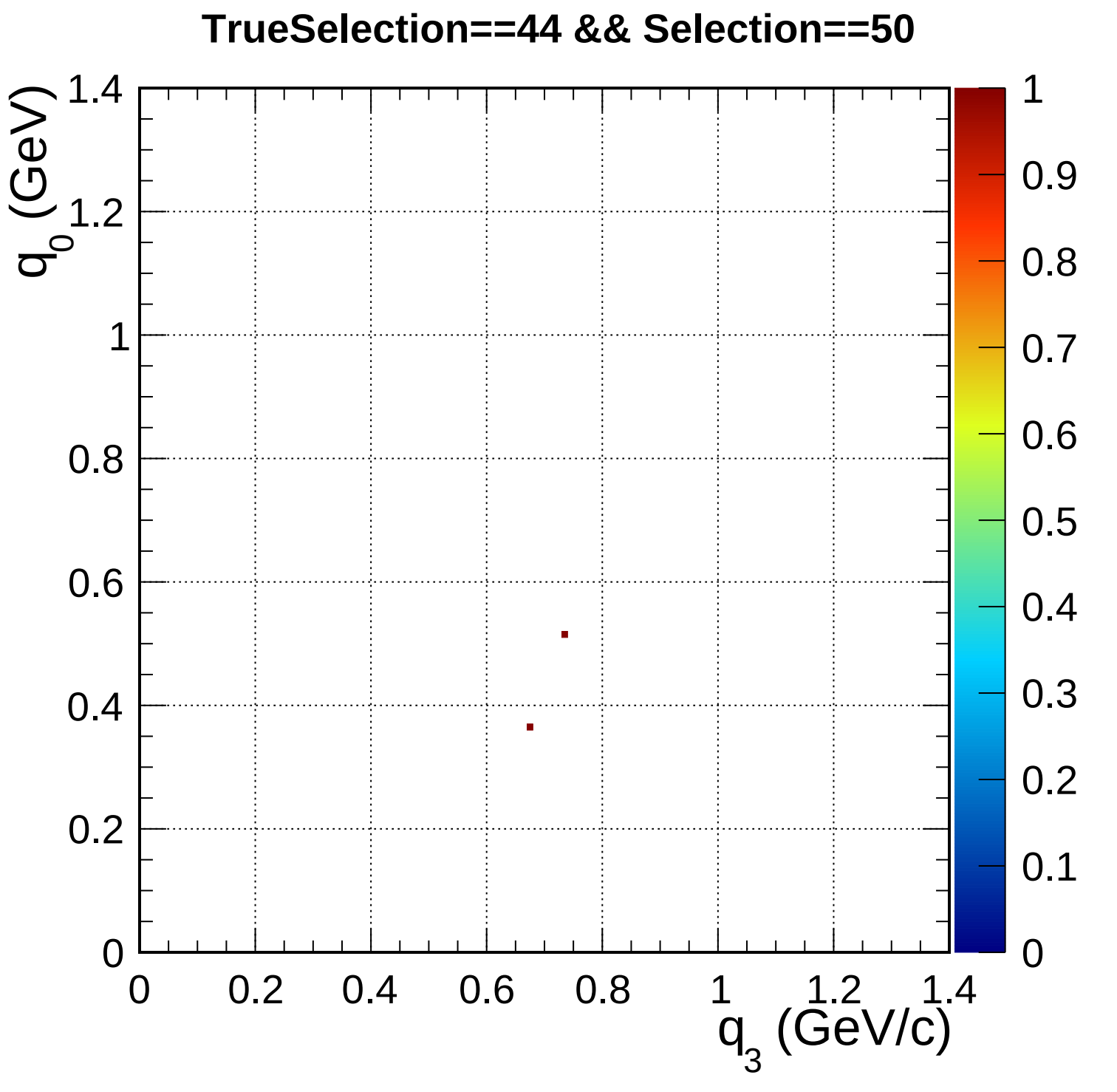

(TrueSelection==44 && Selection==44)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

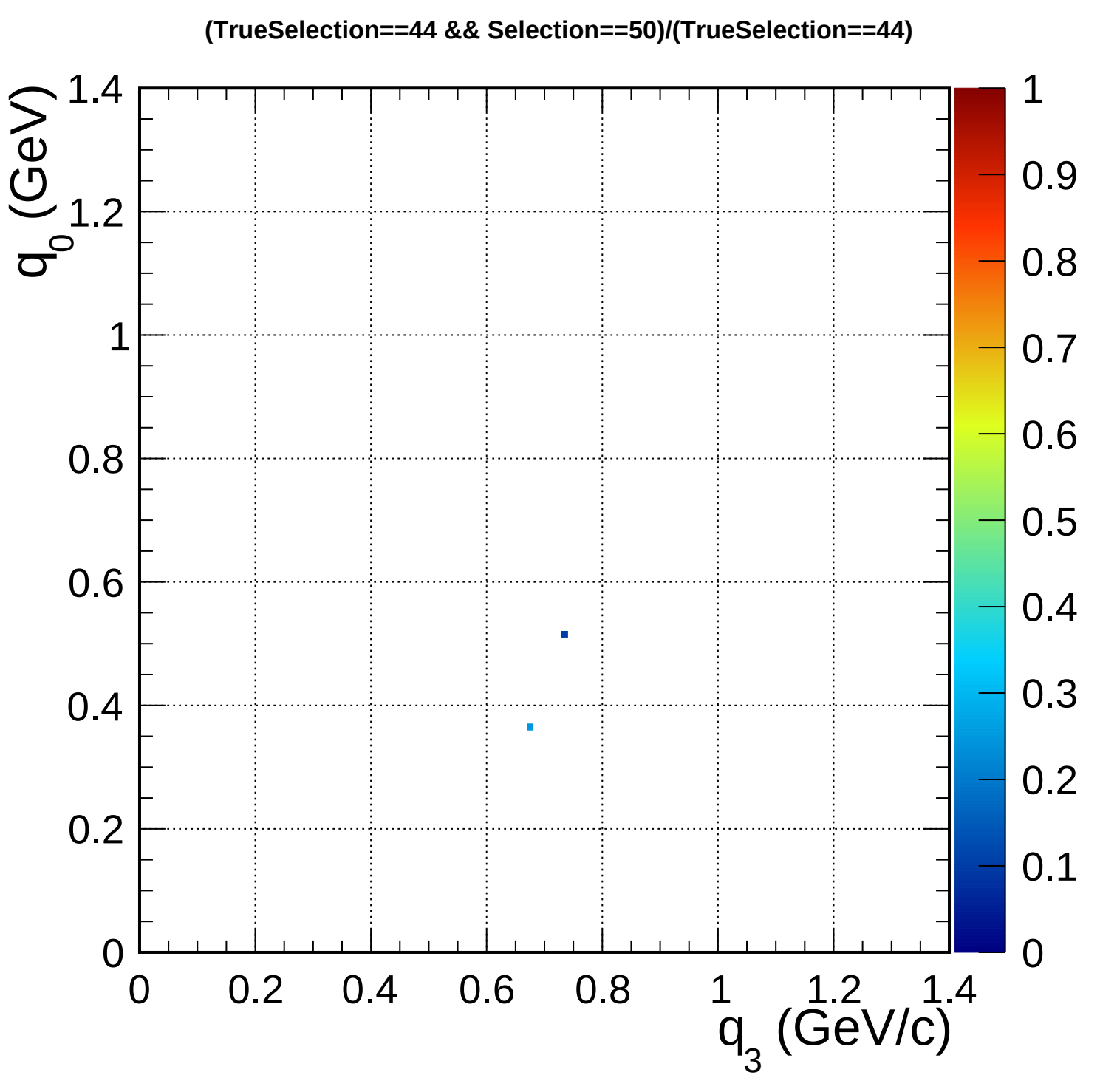

TrueSelection==44 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9
10

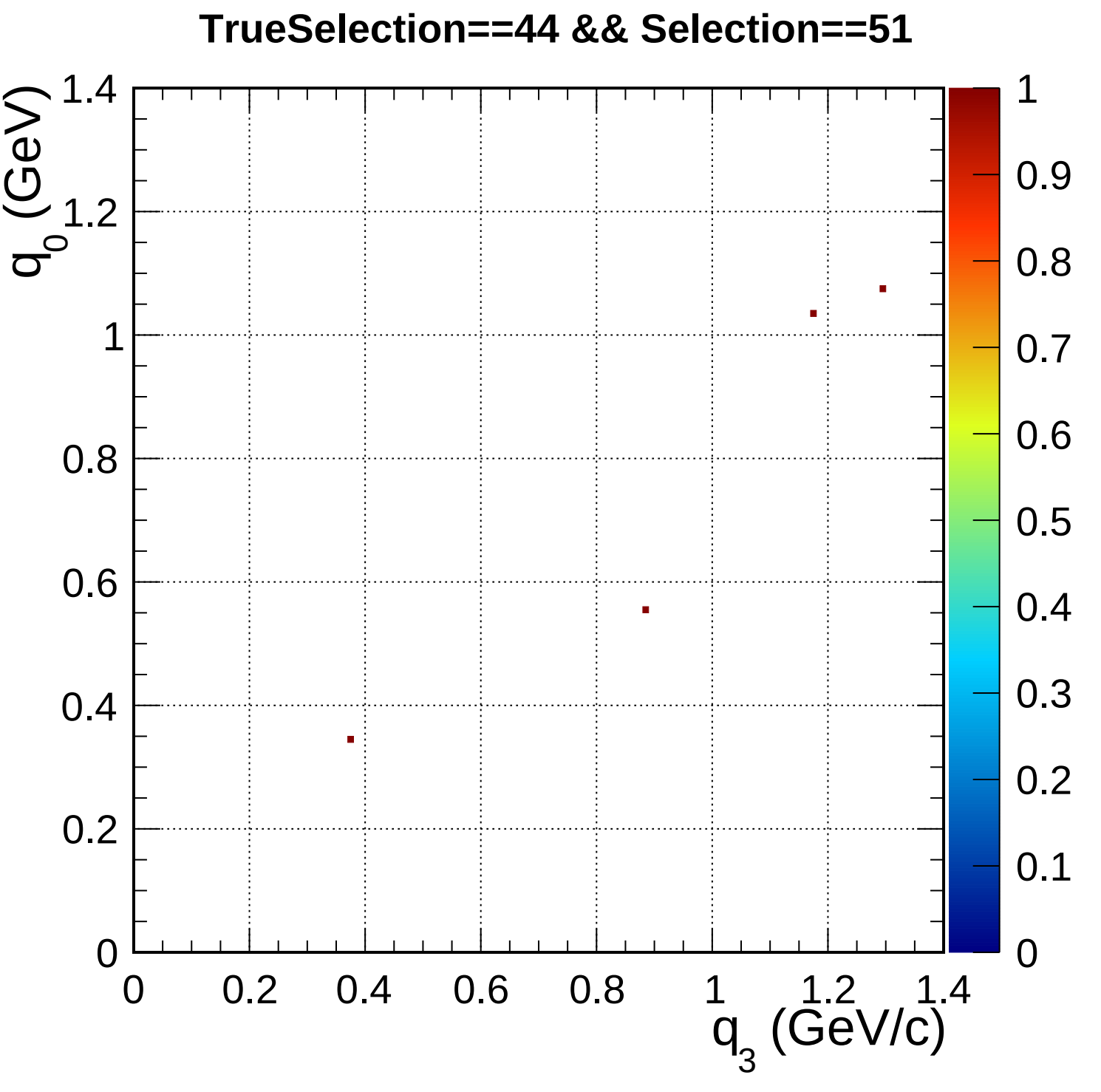

(TrueSelection==44 && Selection==45)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

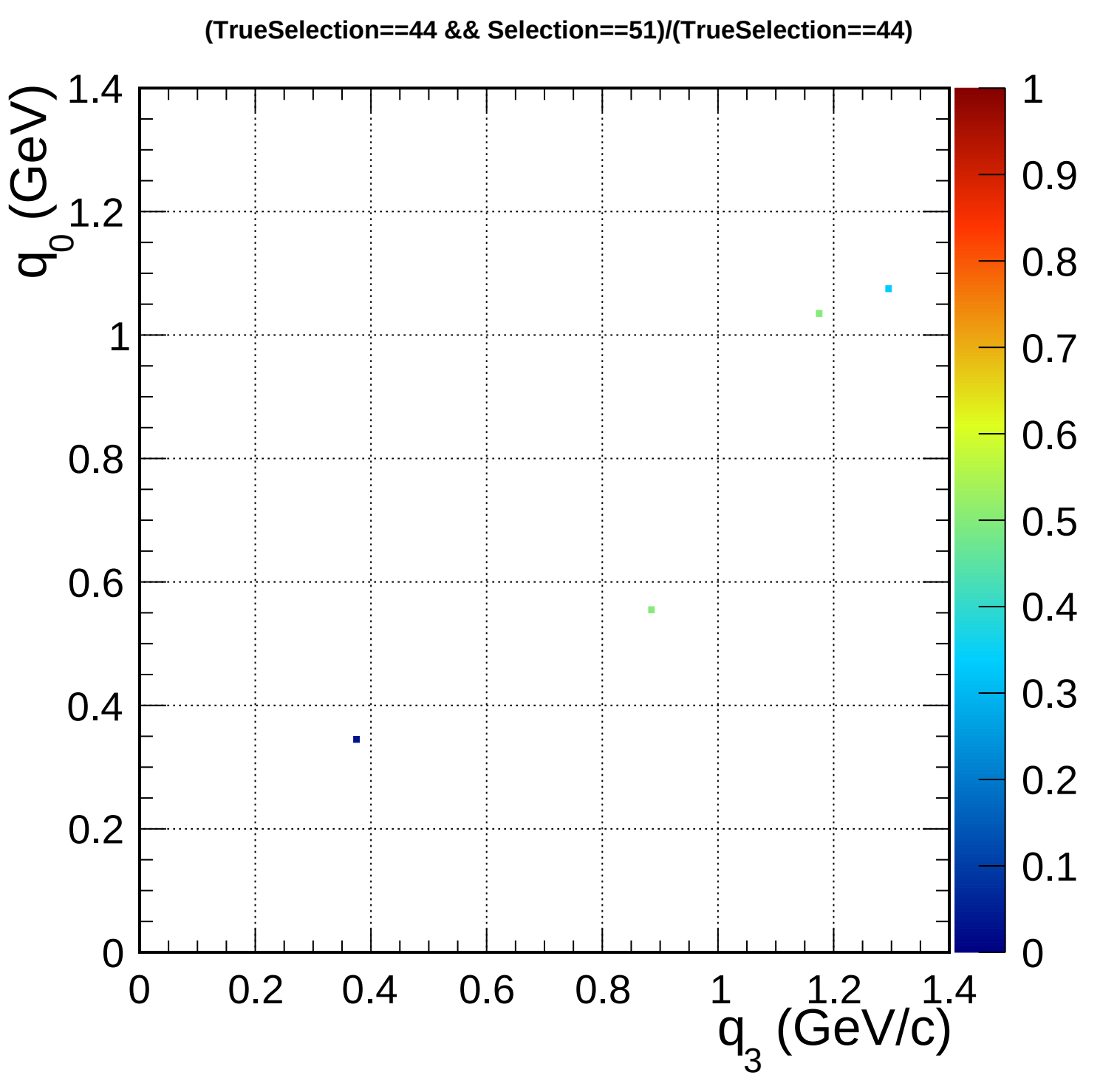

TrueSelection==44 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

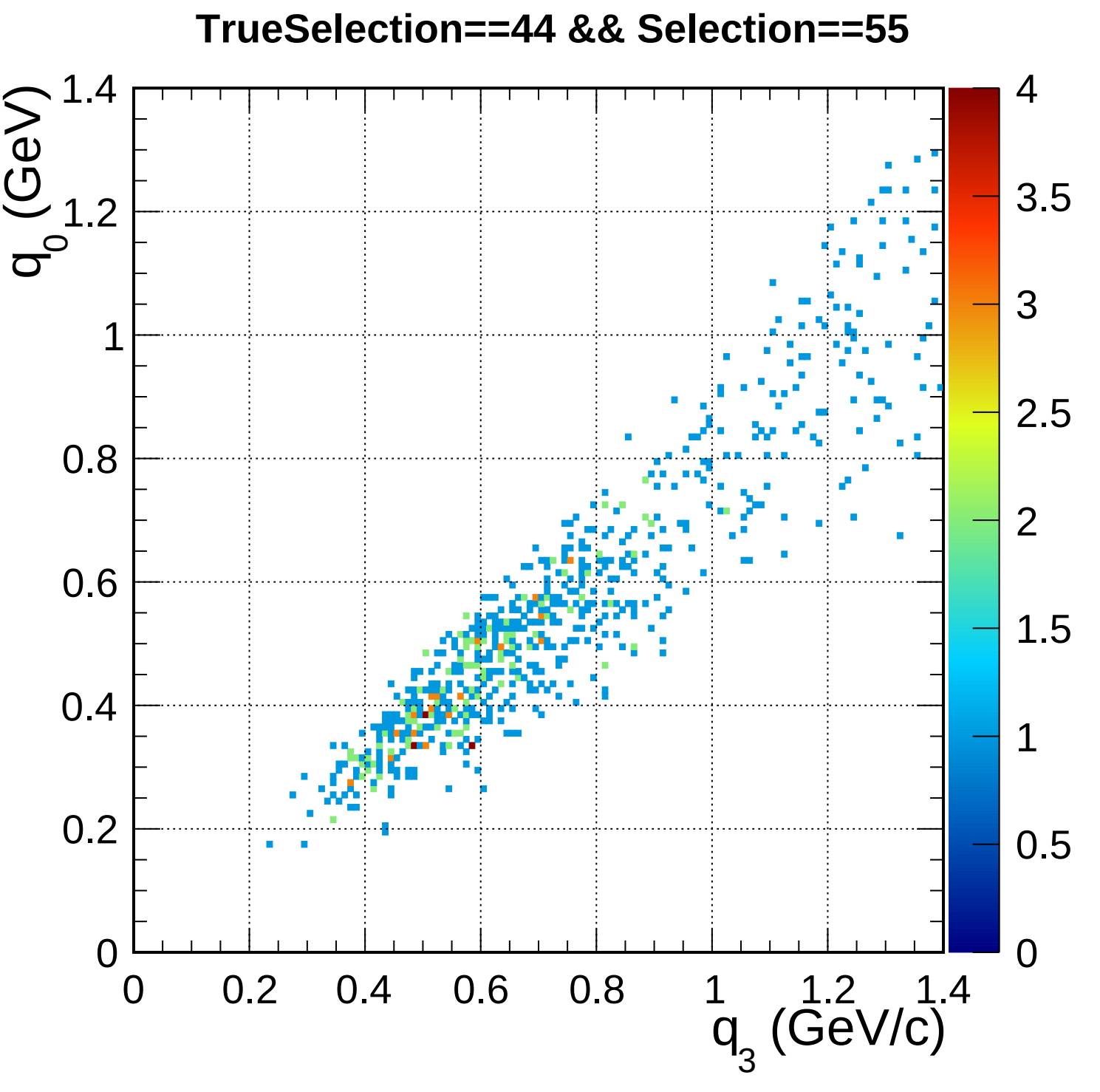

(TrueSelection==44 && Selection==49)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

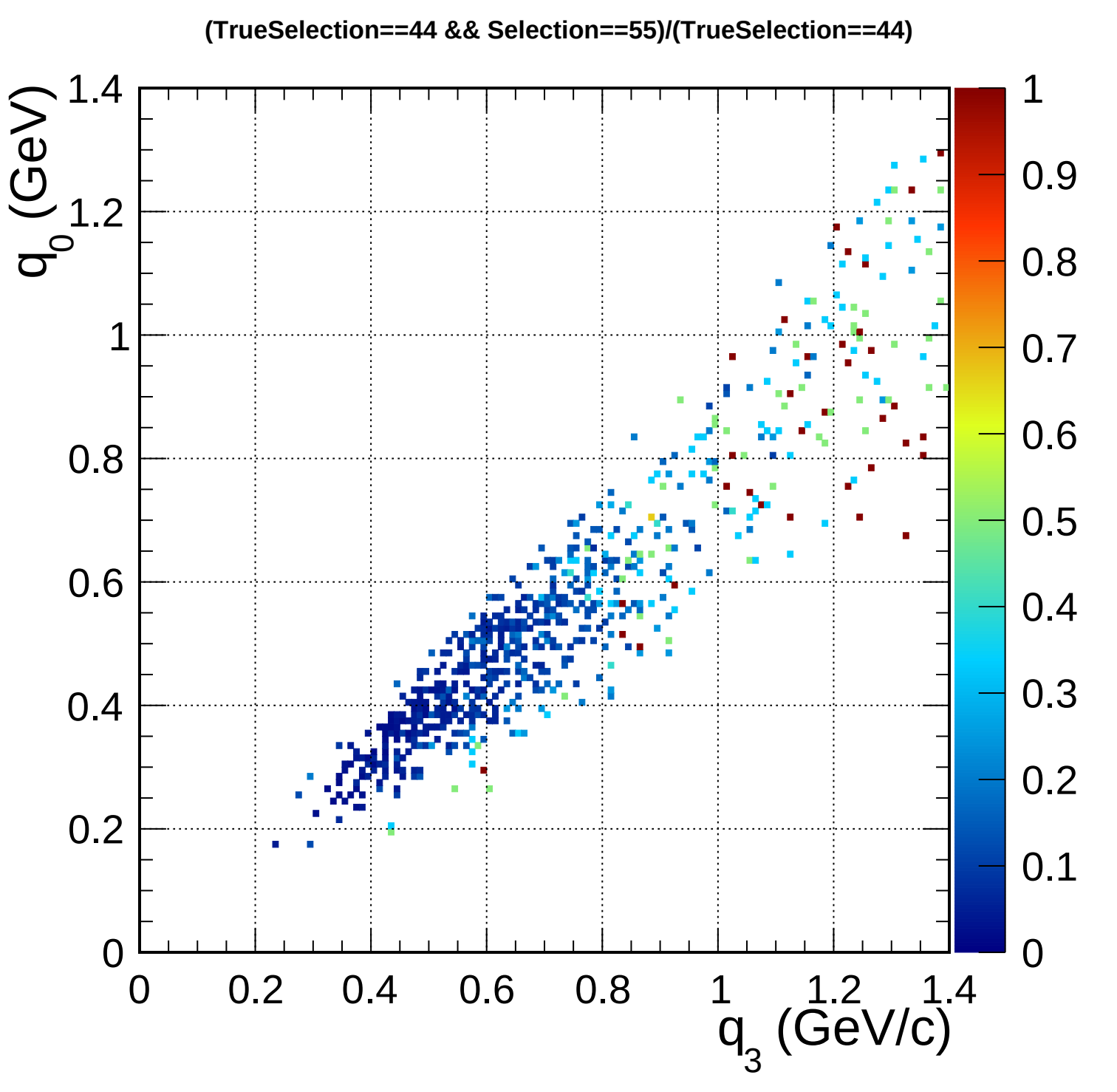

TrueSelection==44 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

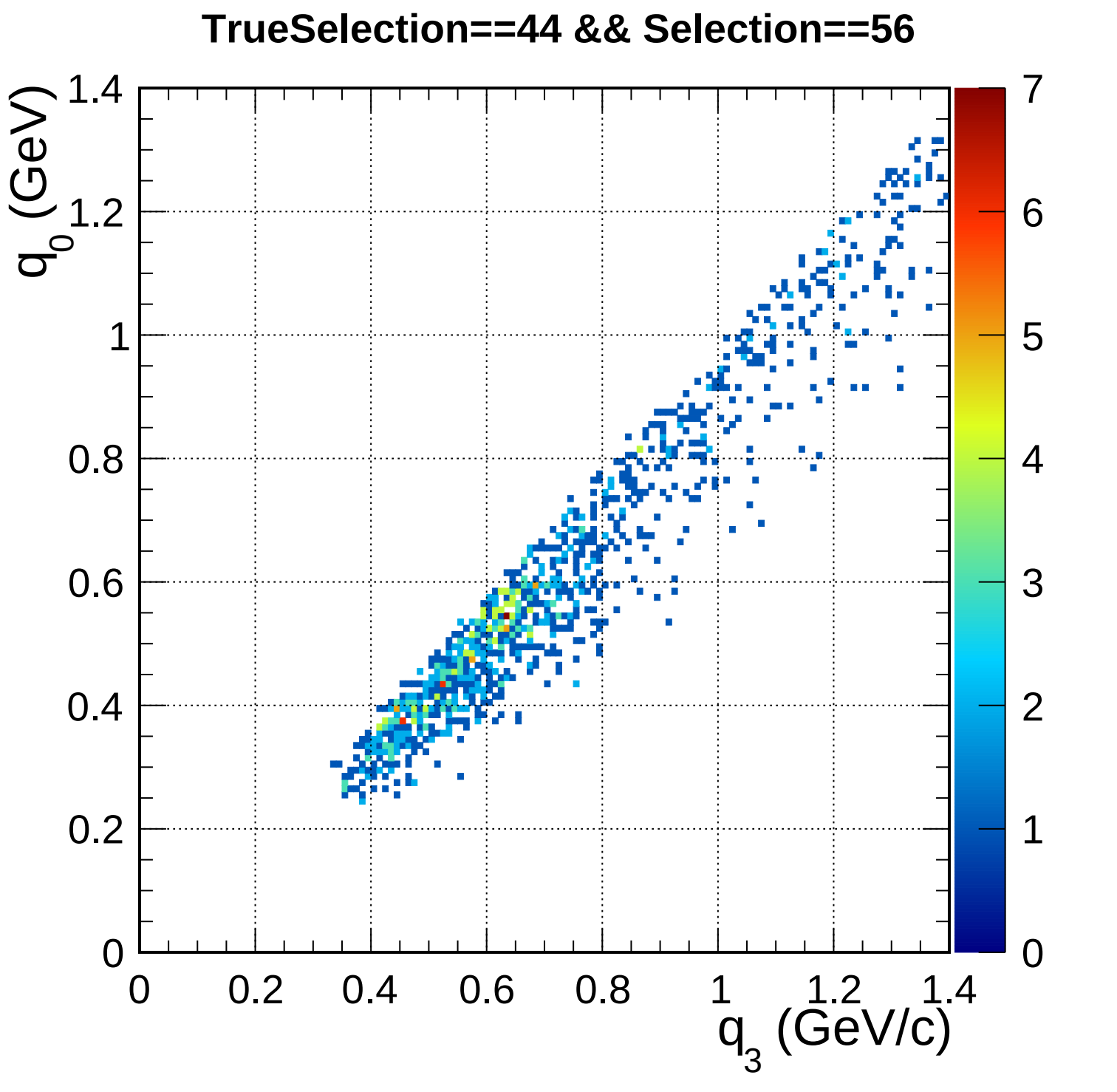

(TrueSelection==44 && Selection==50)/(TrueSelection==44)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

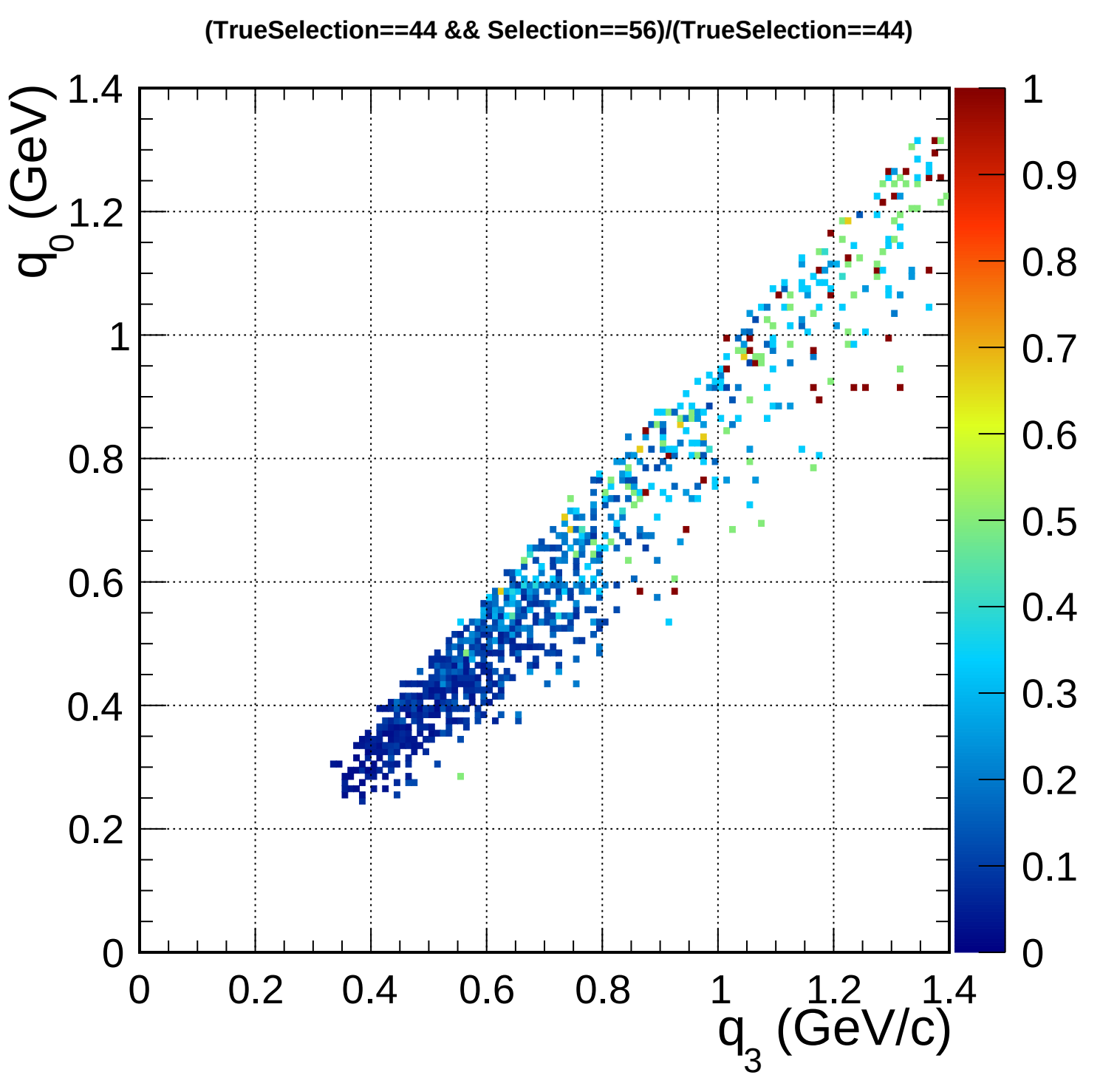

TrueSelection==44 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

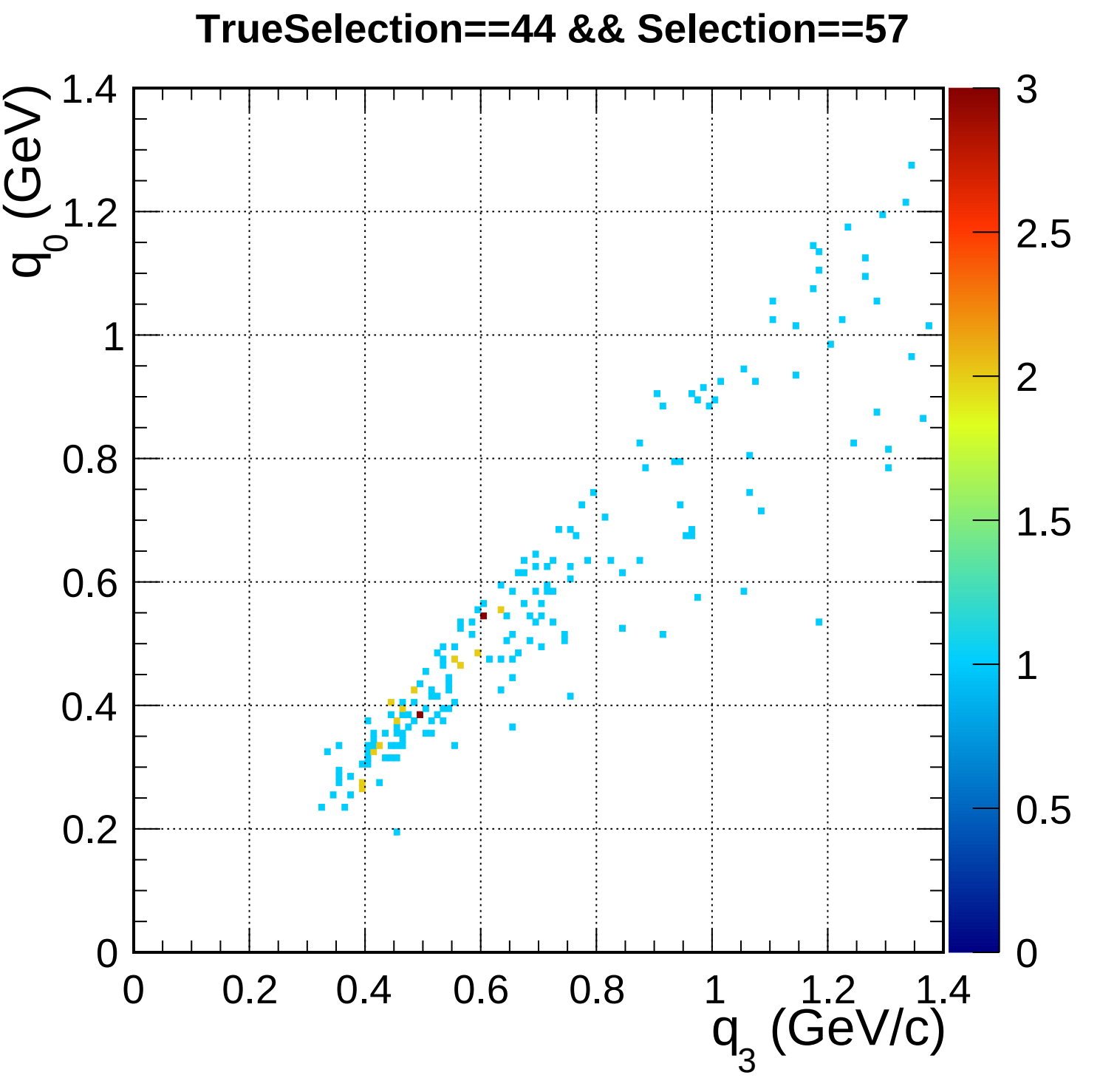

(TrueSelection==44 && Selection==51)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

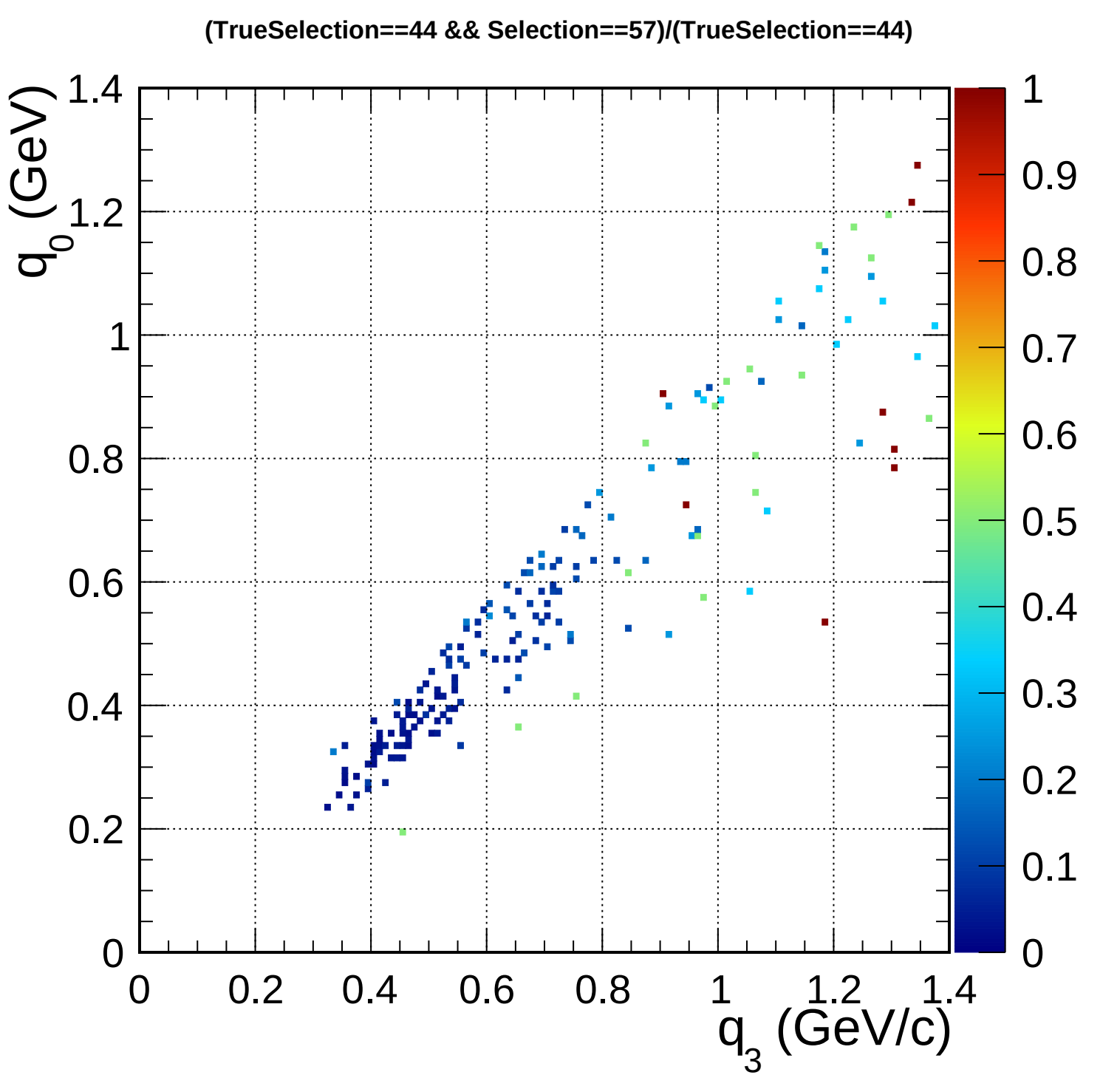

TrueSelection==44 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

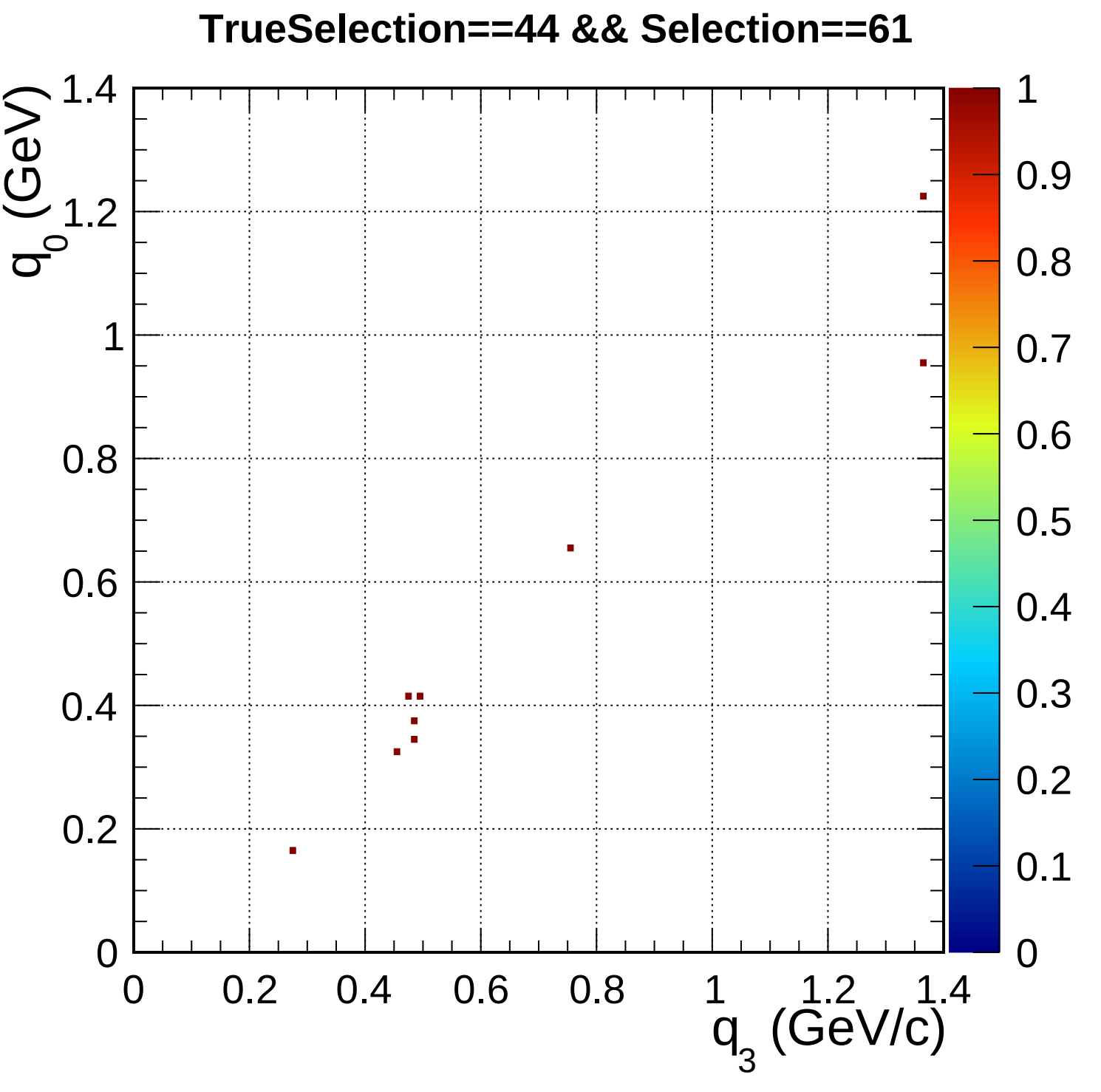

(TrueSelection==44 && Selection==55)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

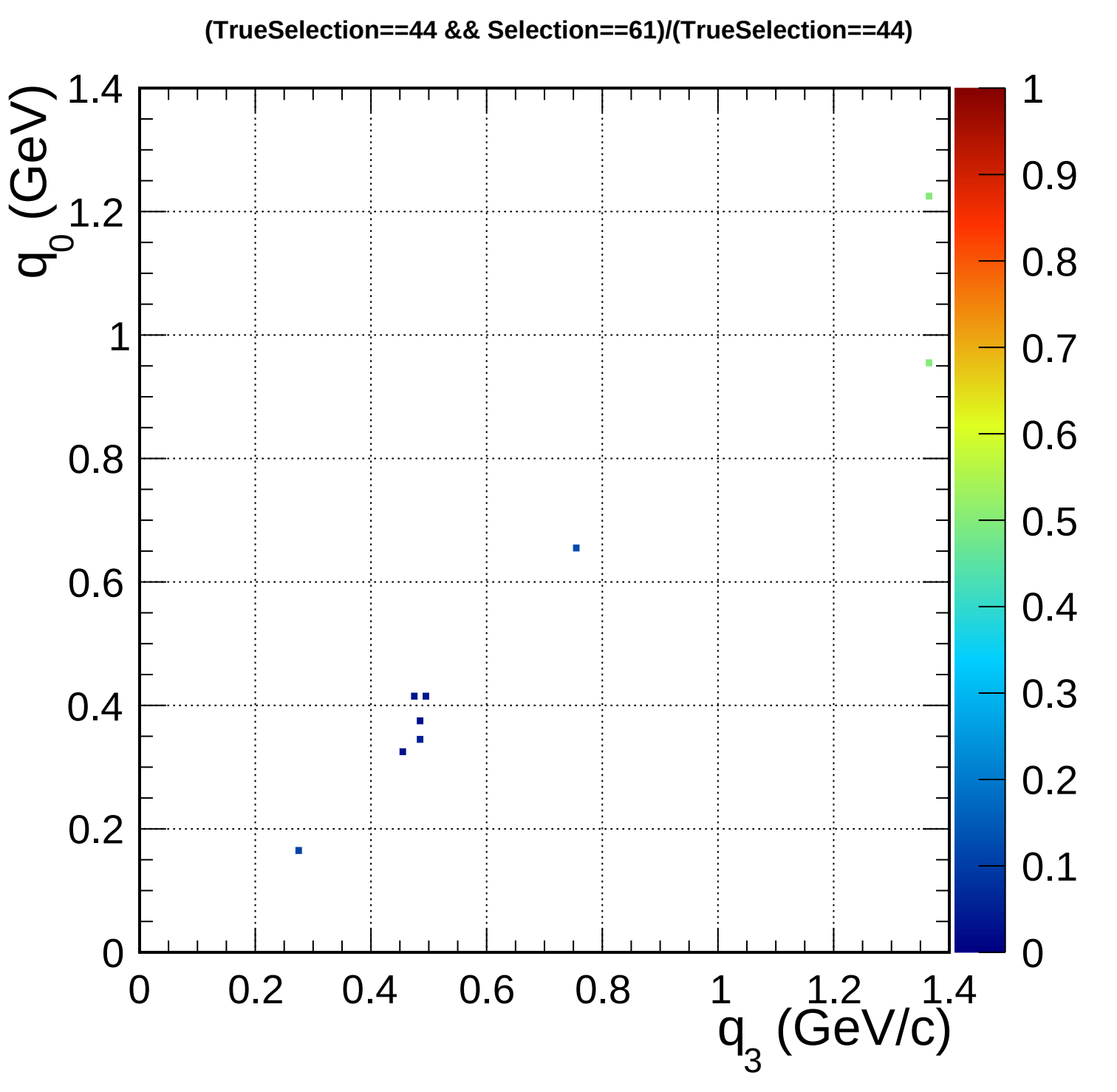

TrueSelection==44 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

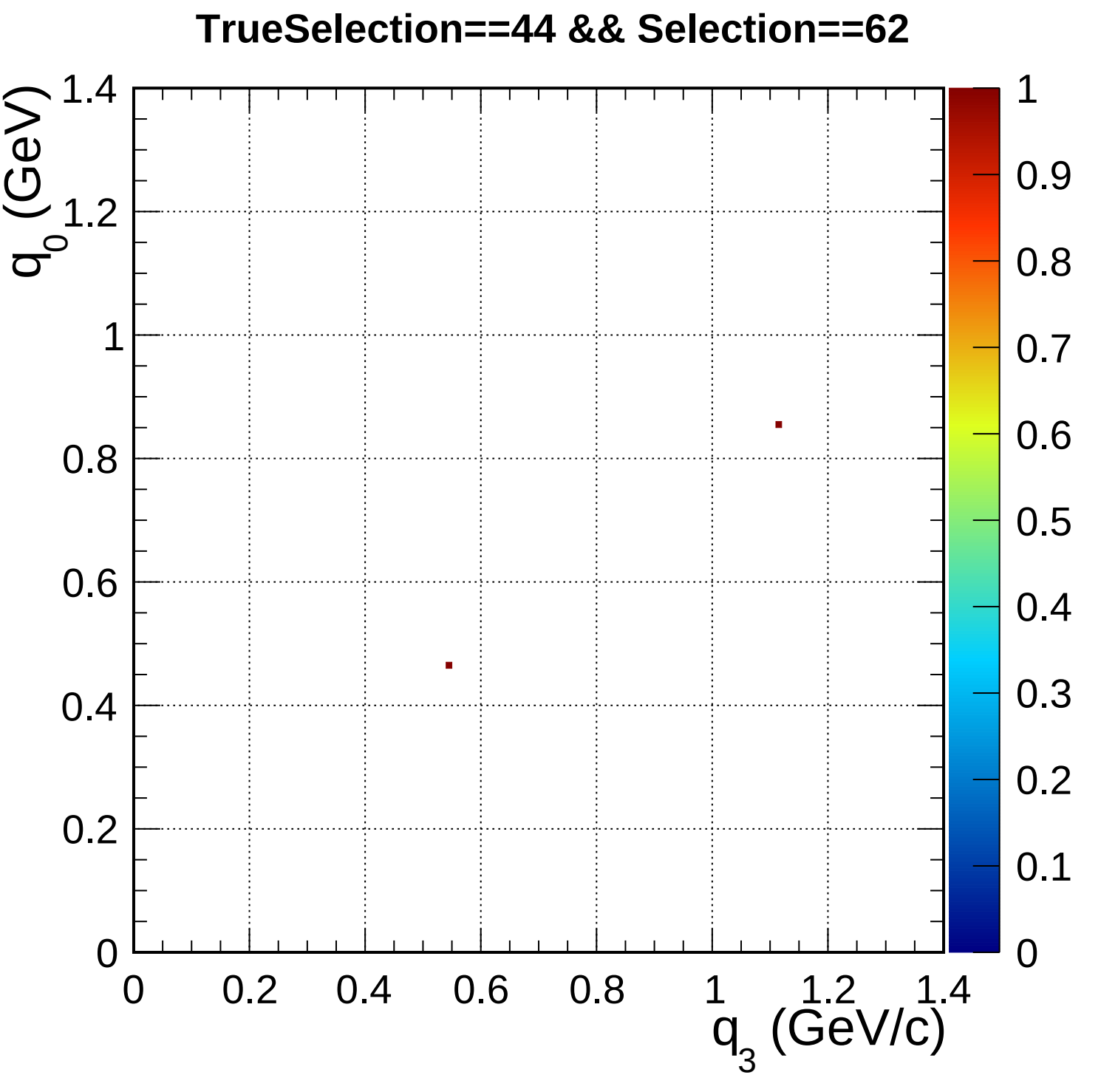

(TrueSelection==44 && Selection==56)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

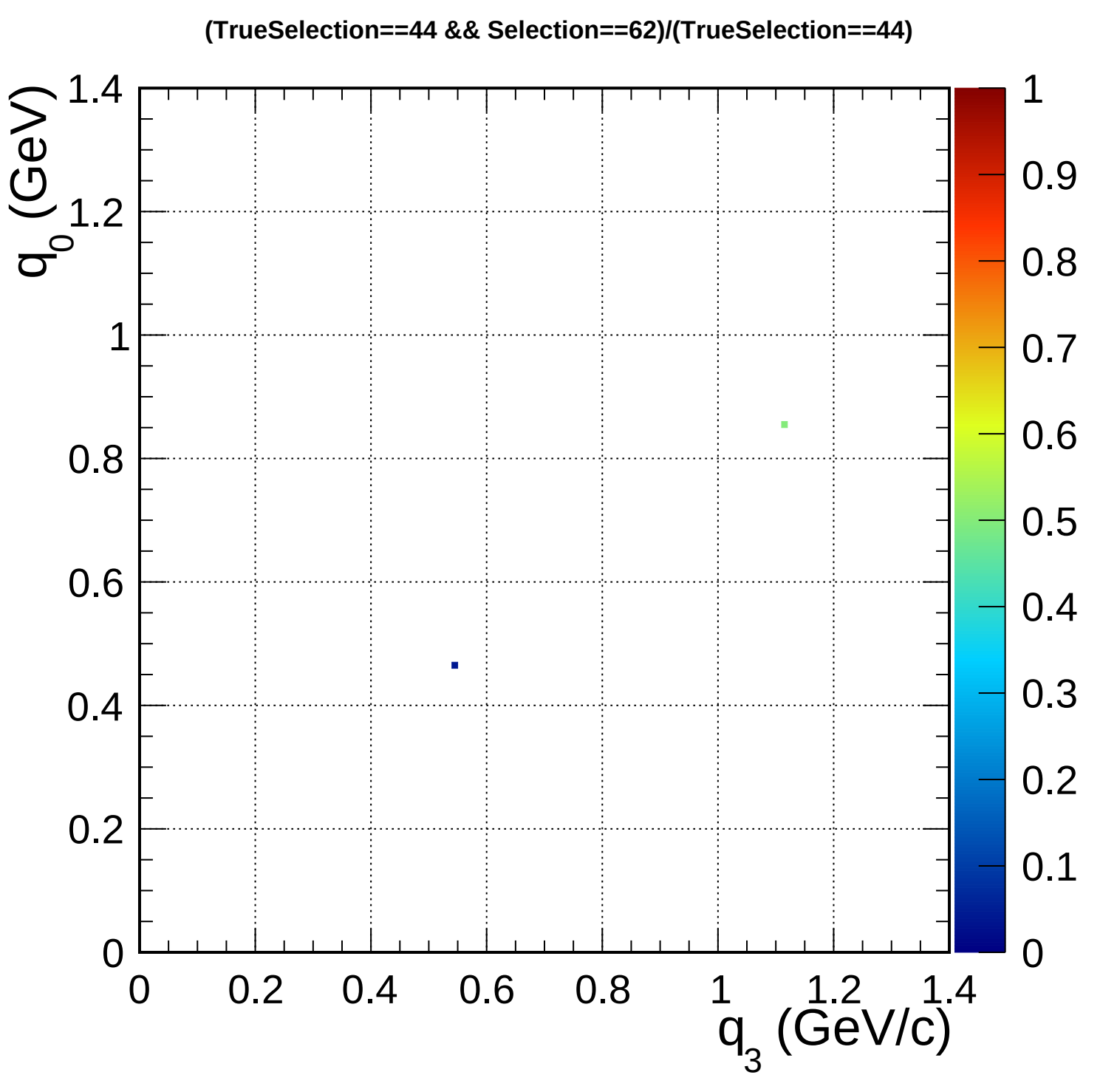

TrueSelection==44 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

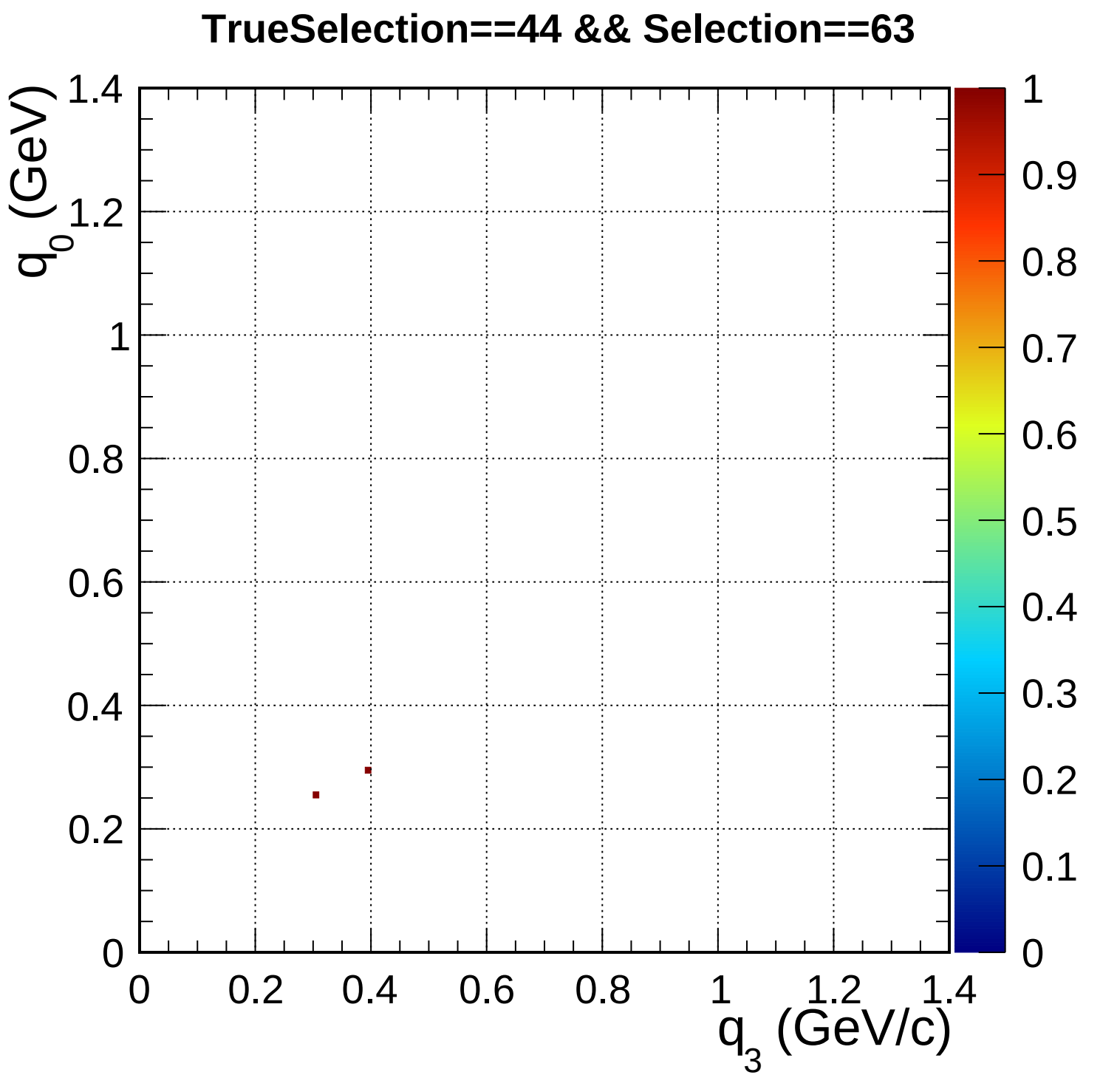

(TrueSelection==44 && Selection==57)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

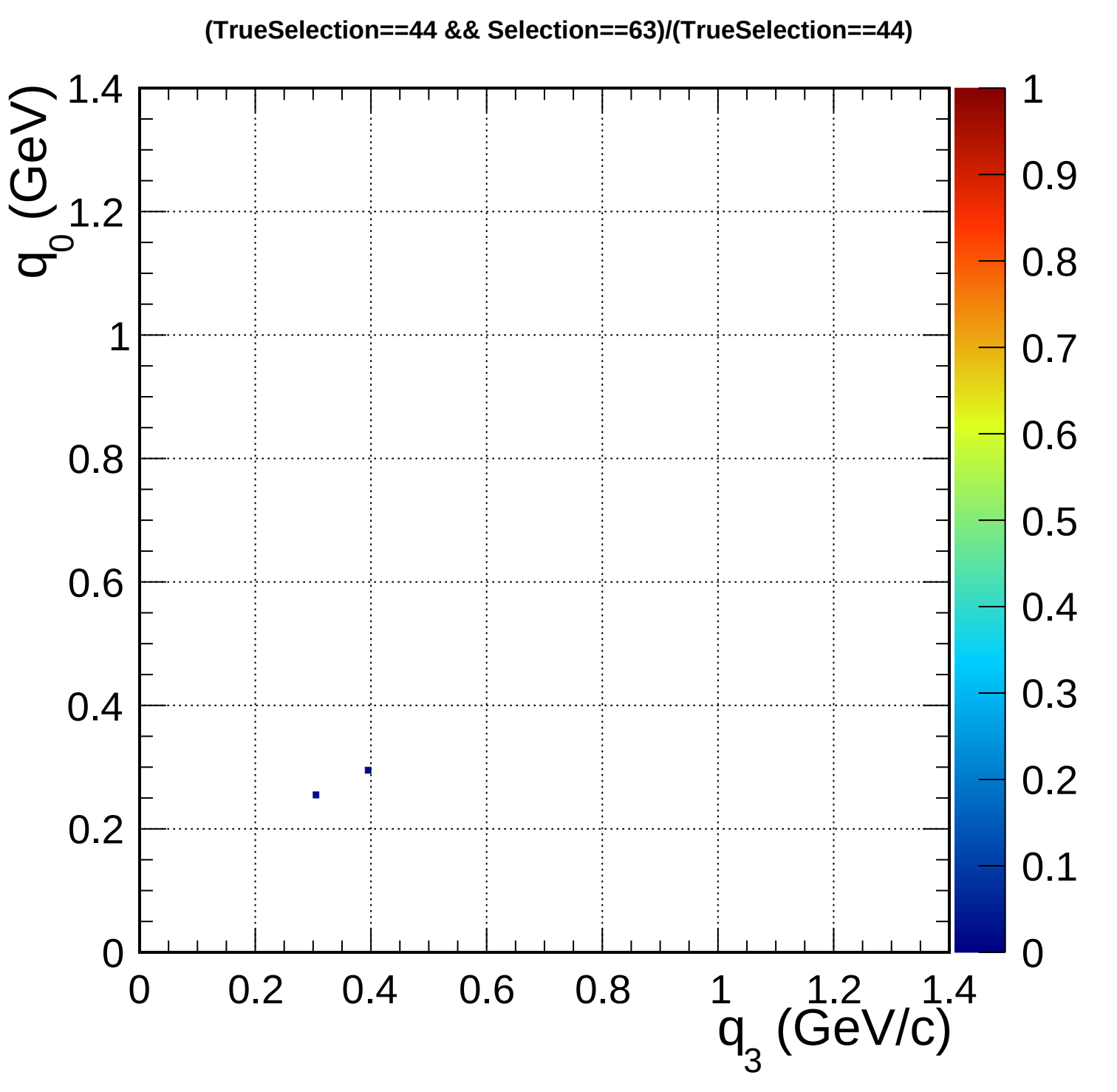

TrueSelection==44 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

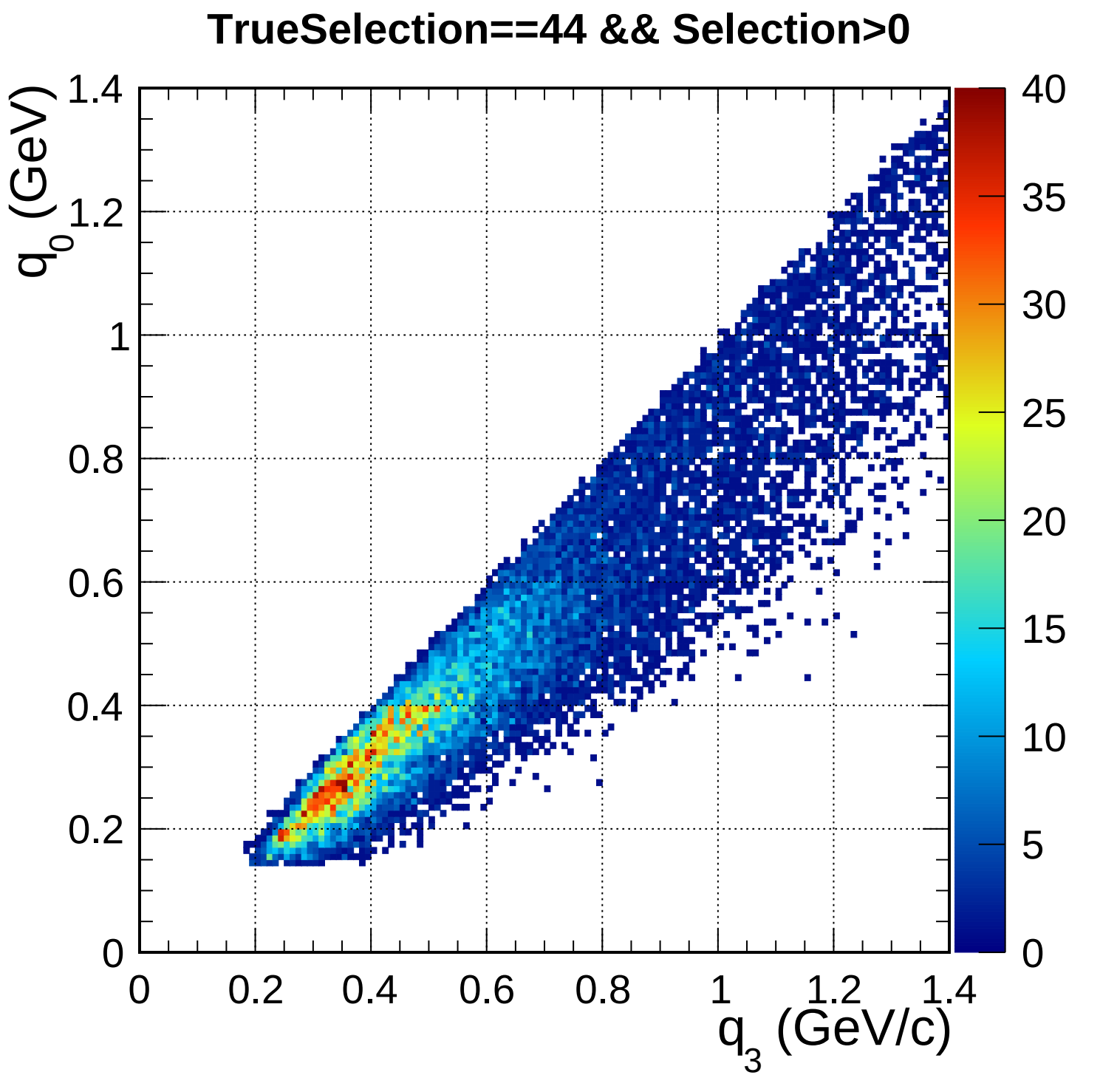

(TrueSelection==44 && Selection==61)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

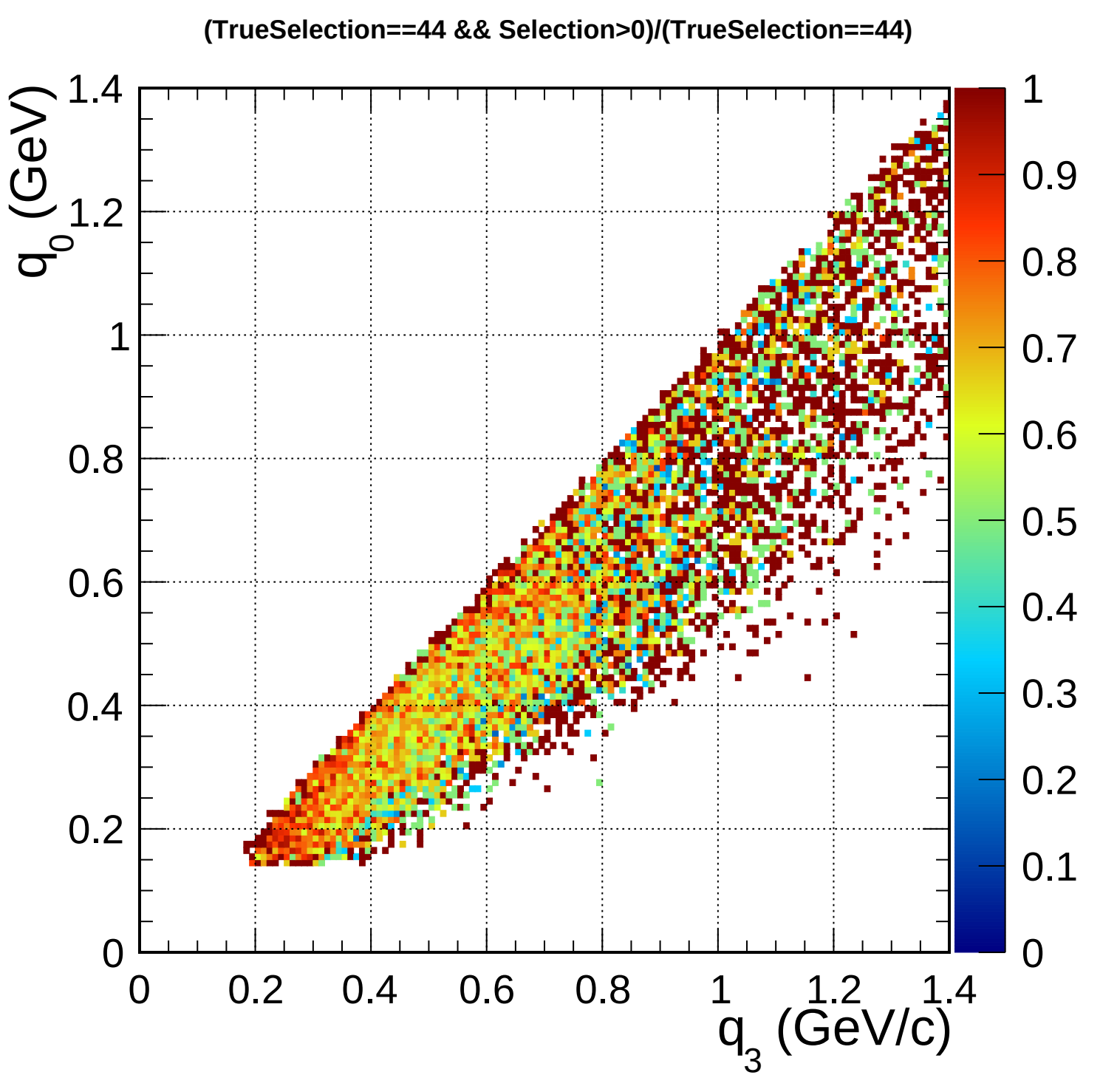

TrueSelection==44 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

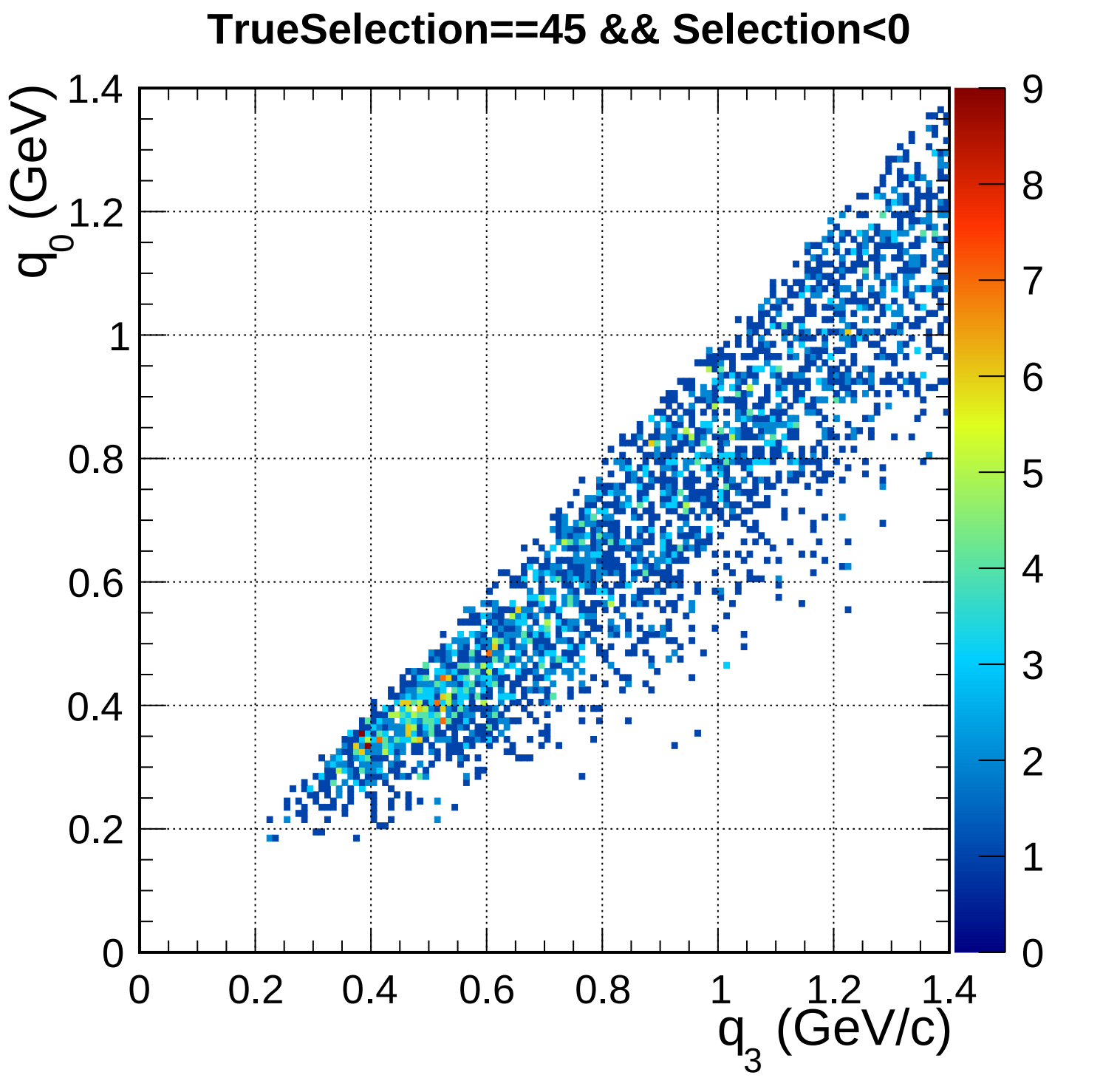

(TrueSelection==44 && Selection==62)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

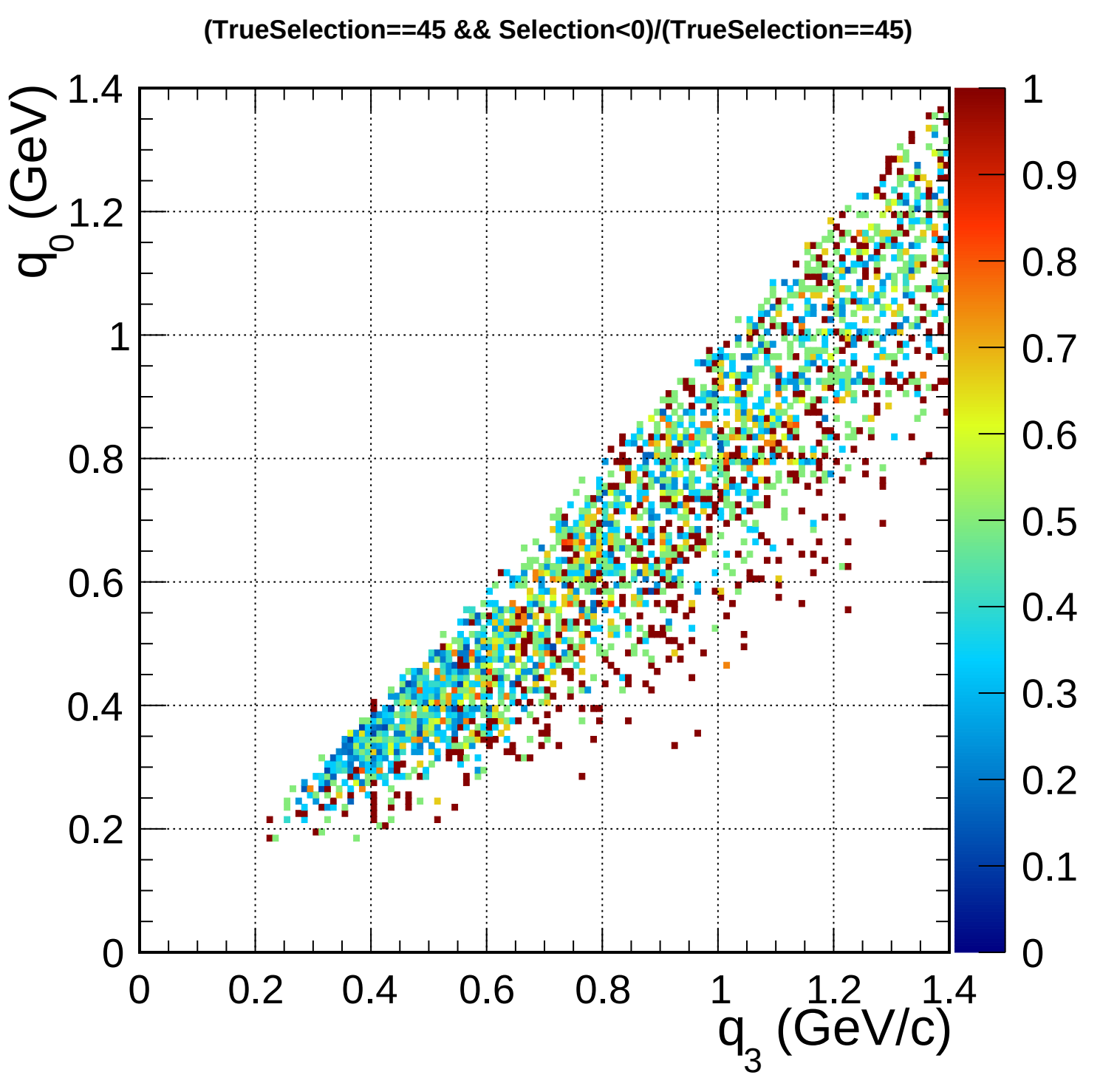

TrueSelection==44 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

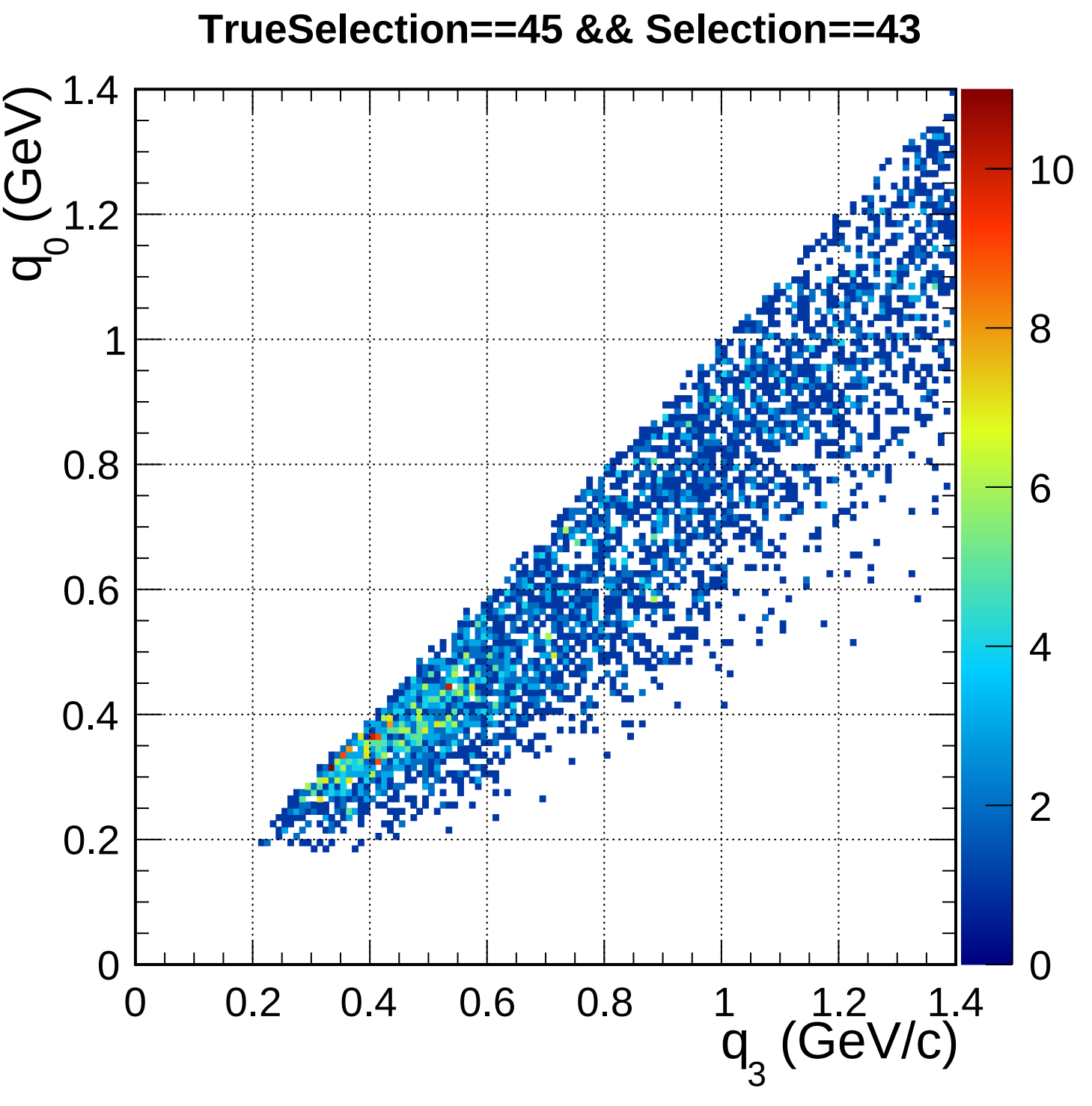

(TrueSelection==44 && Selection==63)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

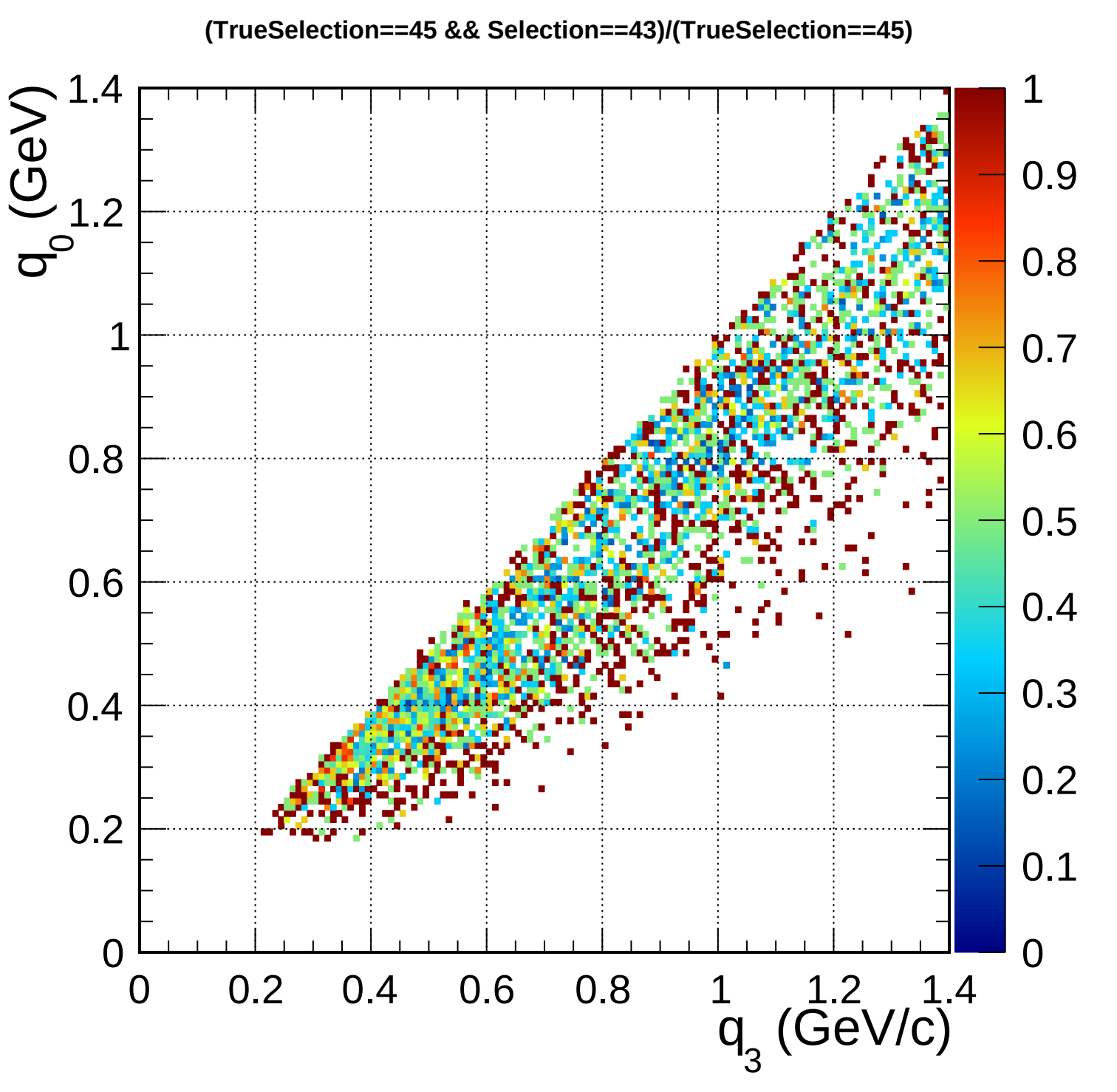

TrueSelection==44 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

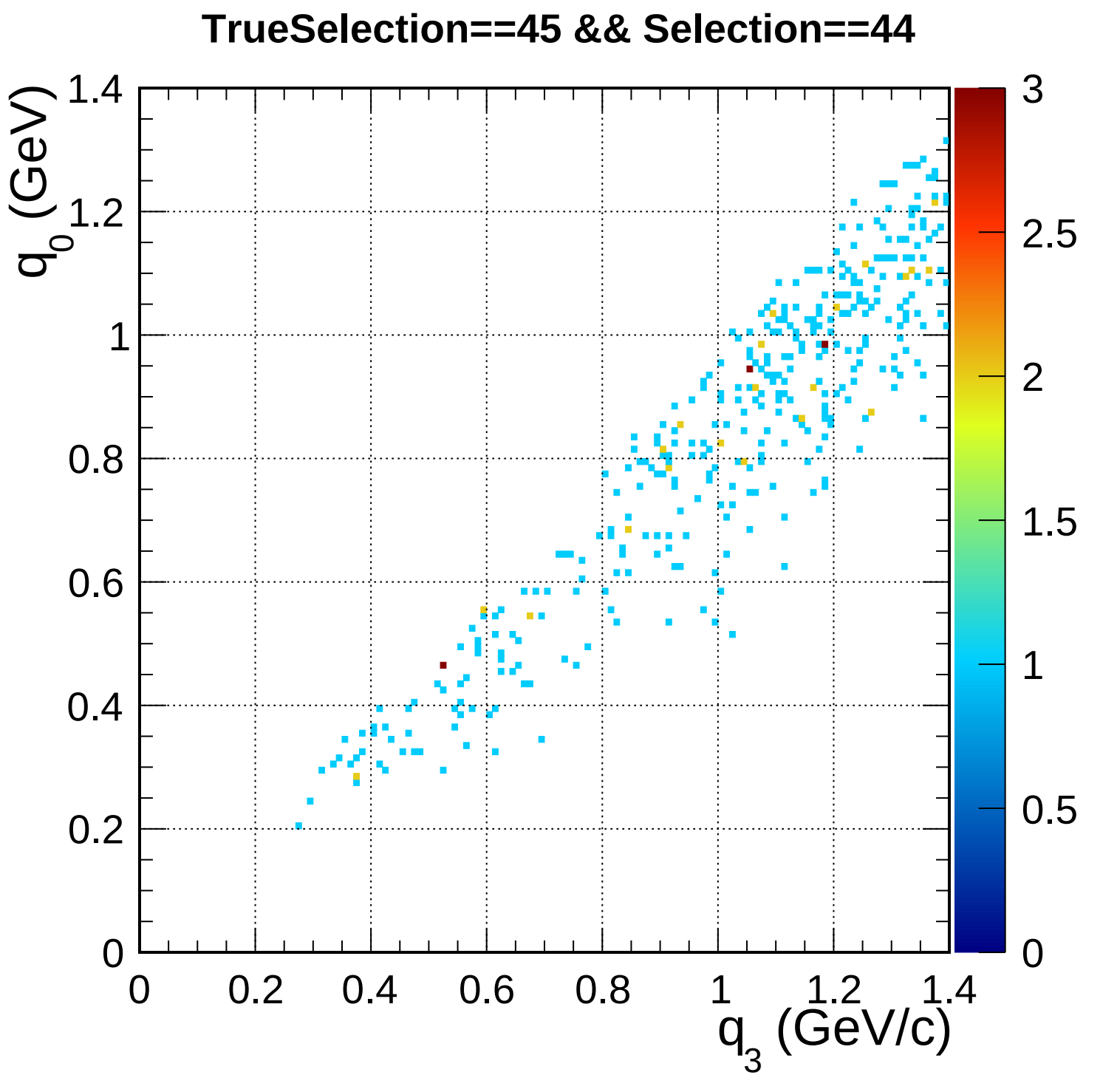

(TrueSelection==44 && Selection>0)/(TrueSelection==44)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

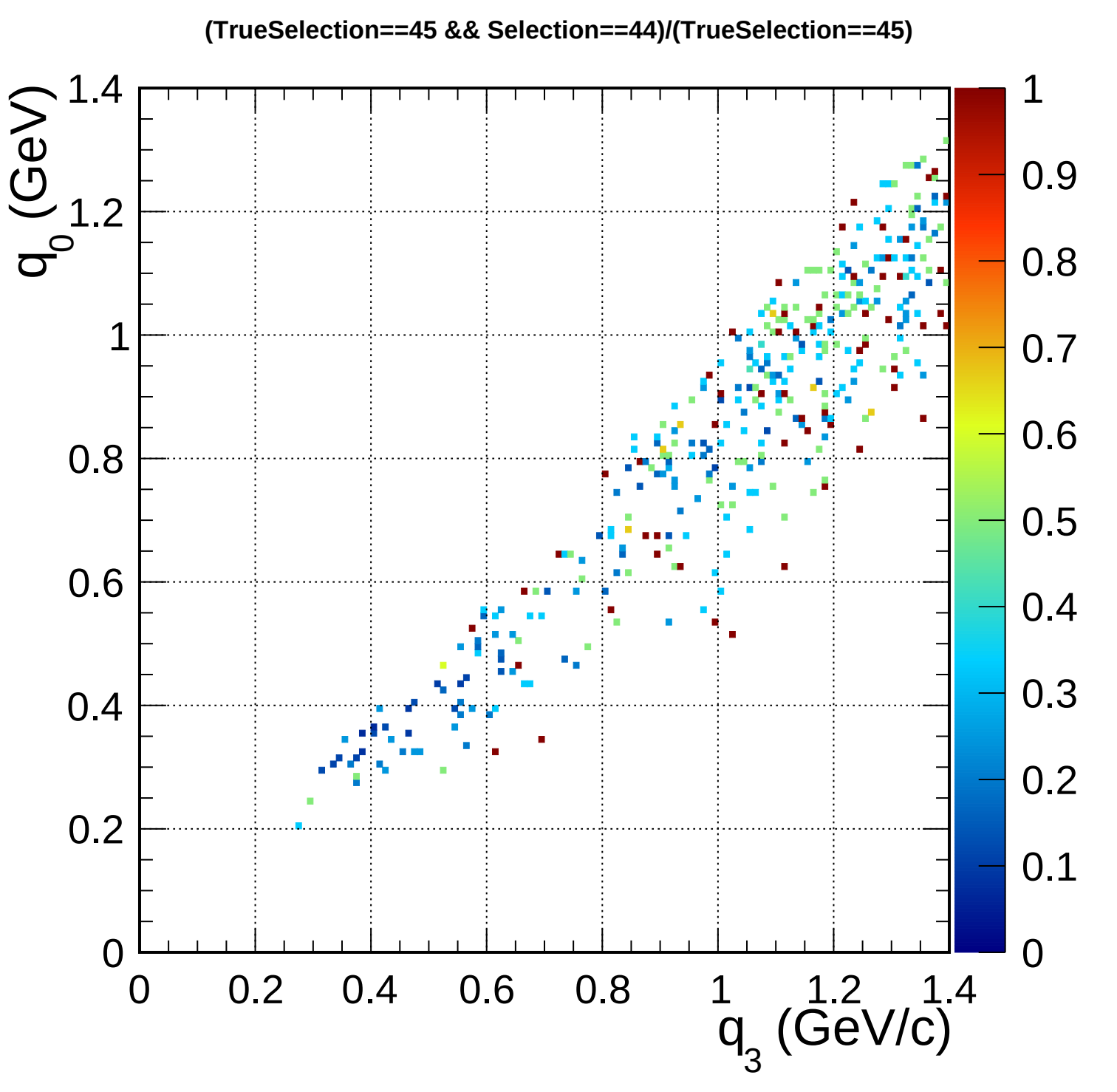

TrueSelection==45 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

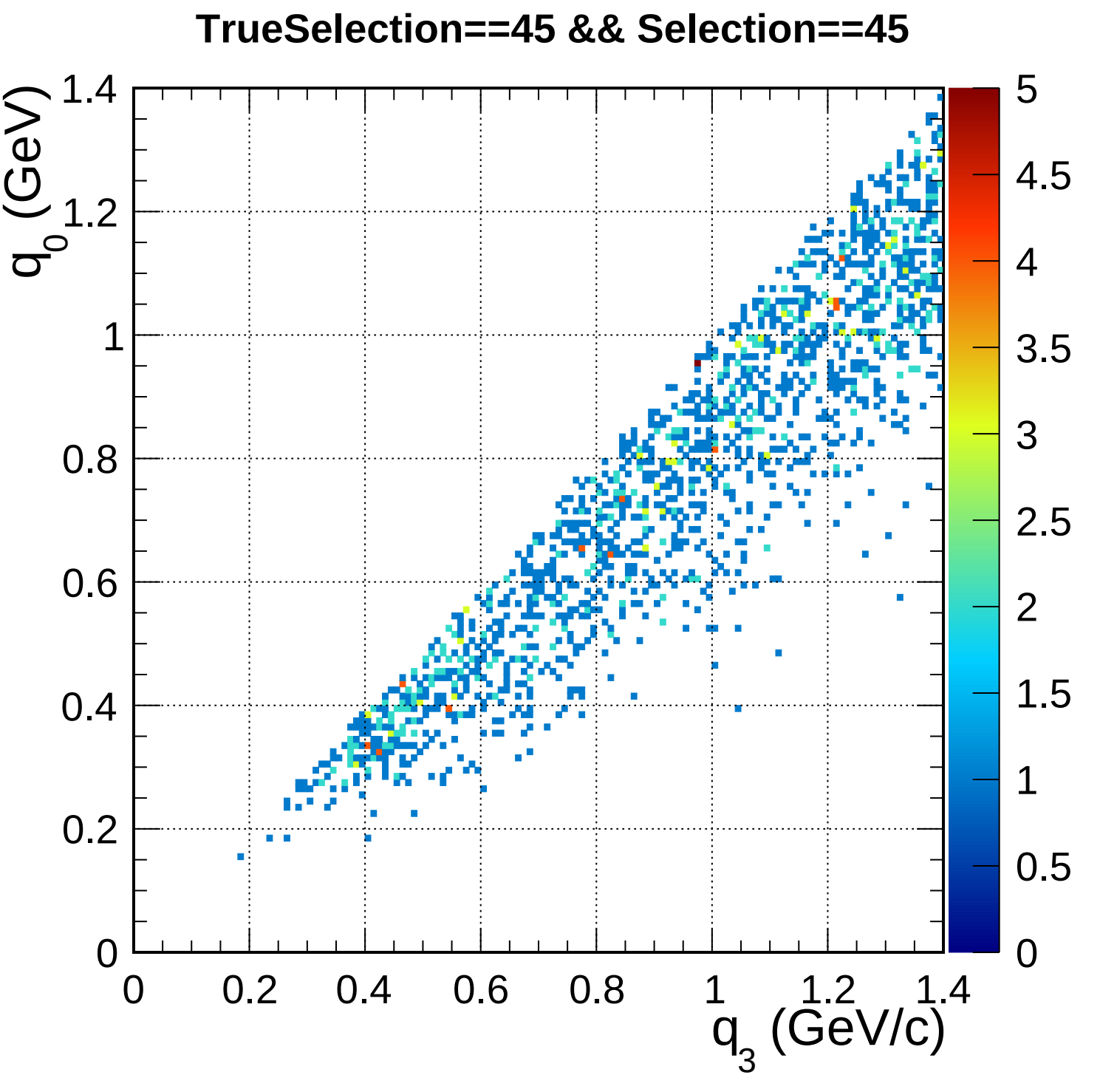

(TrueSelection==45 && Selection<0)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

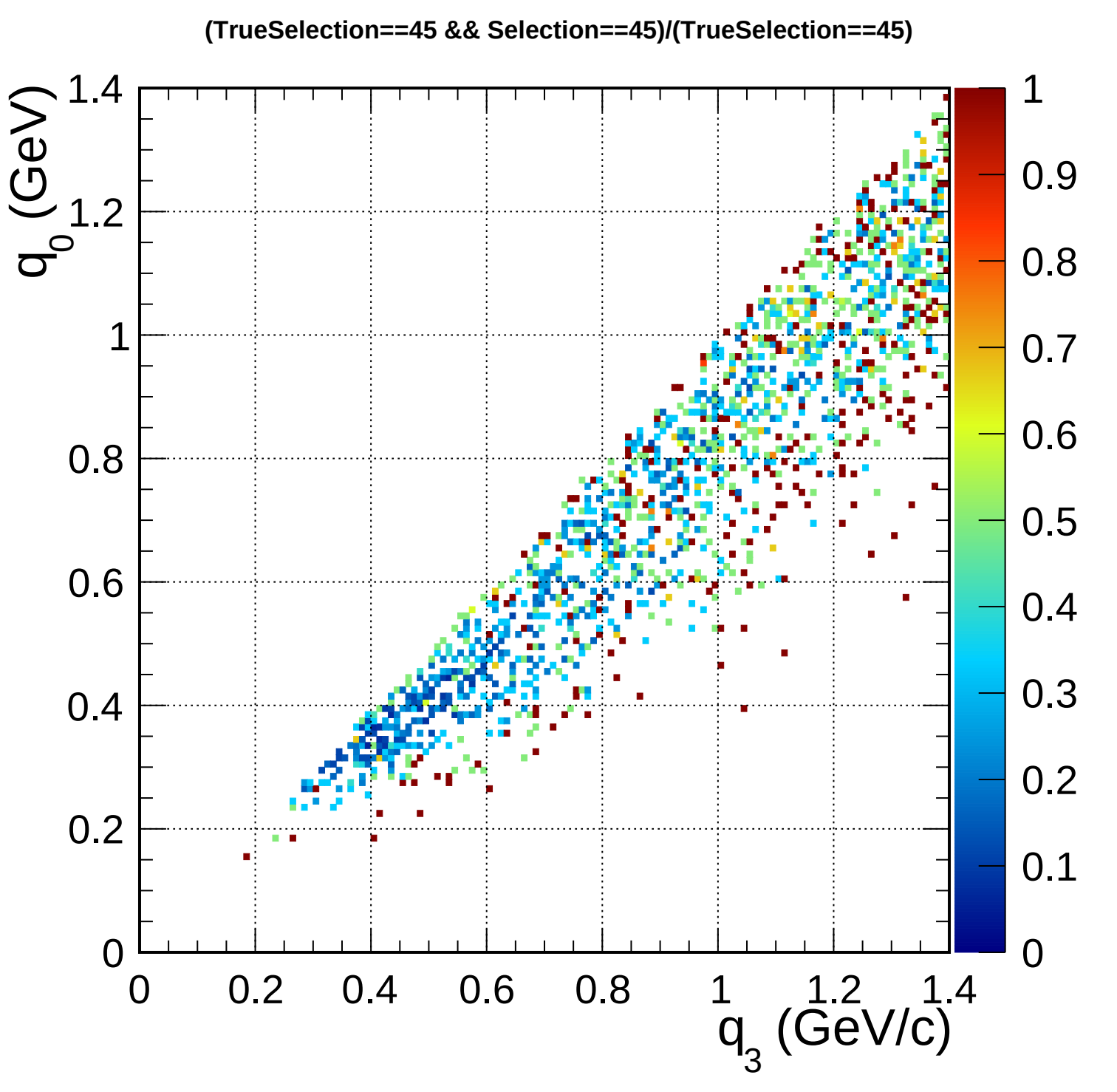

TrueSelection==45 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10

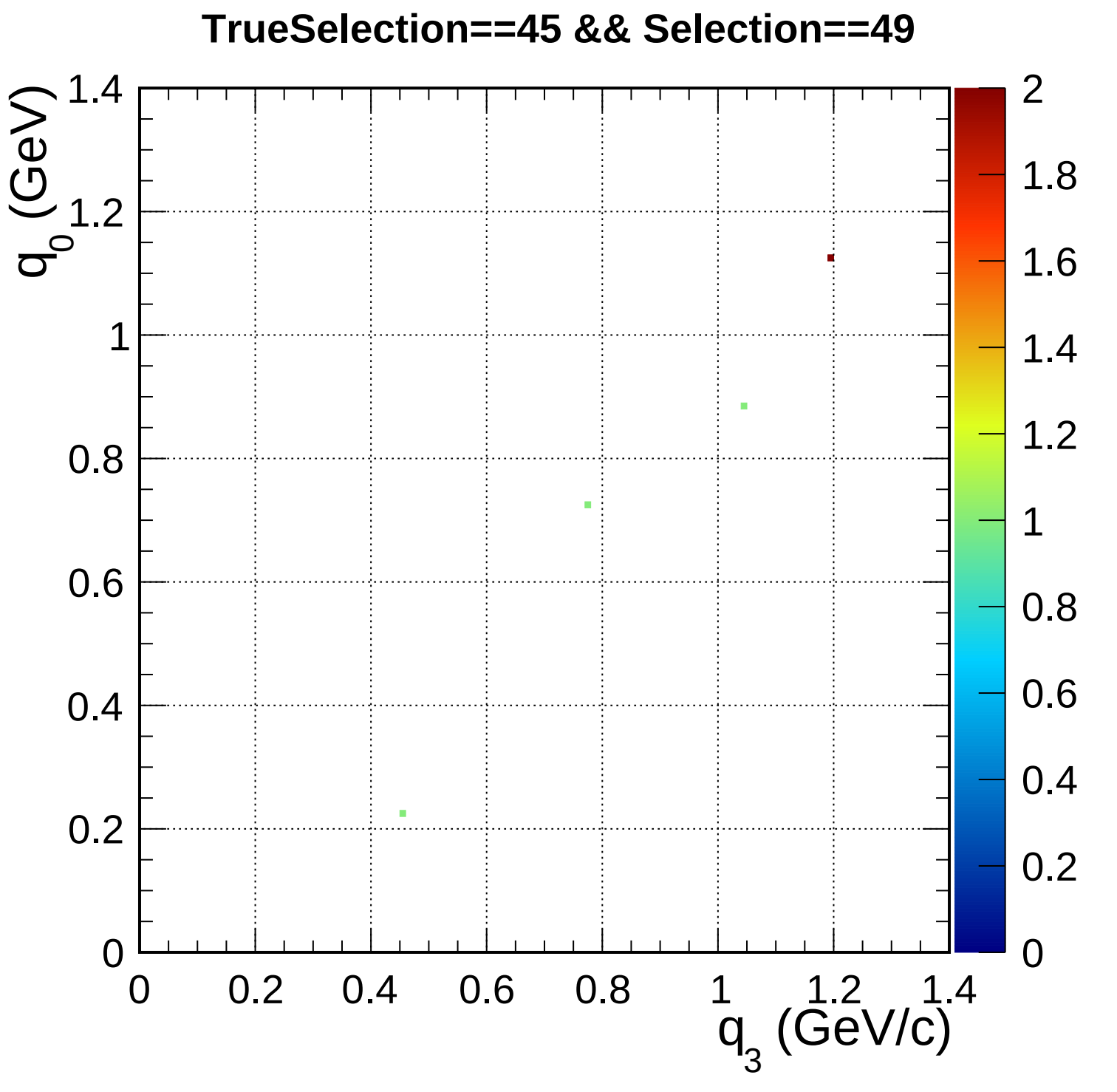

(TrueSelection==45 && Selection==43)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

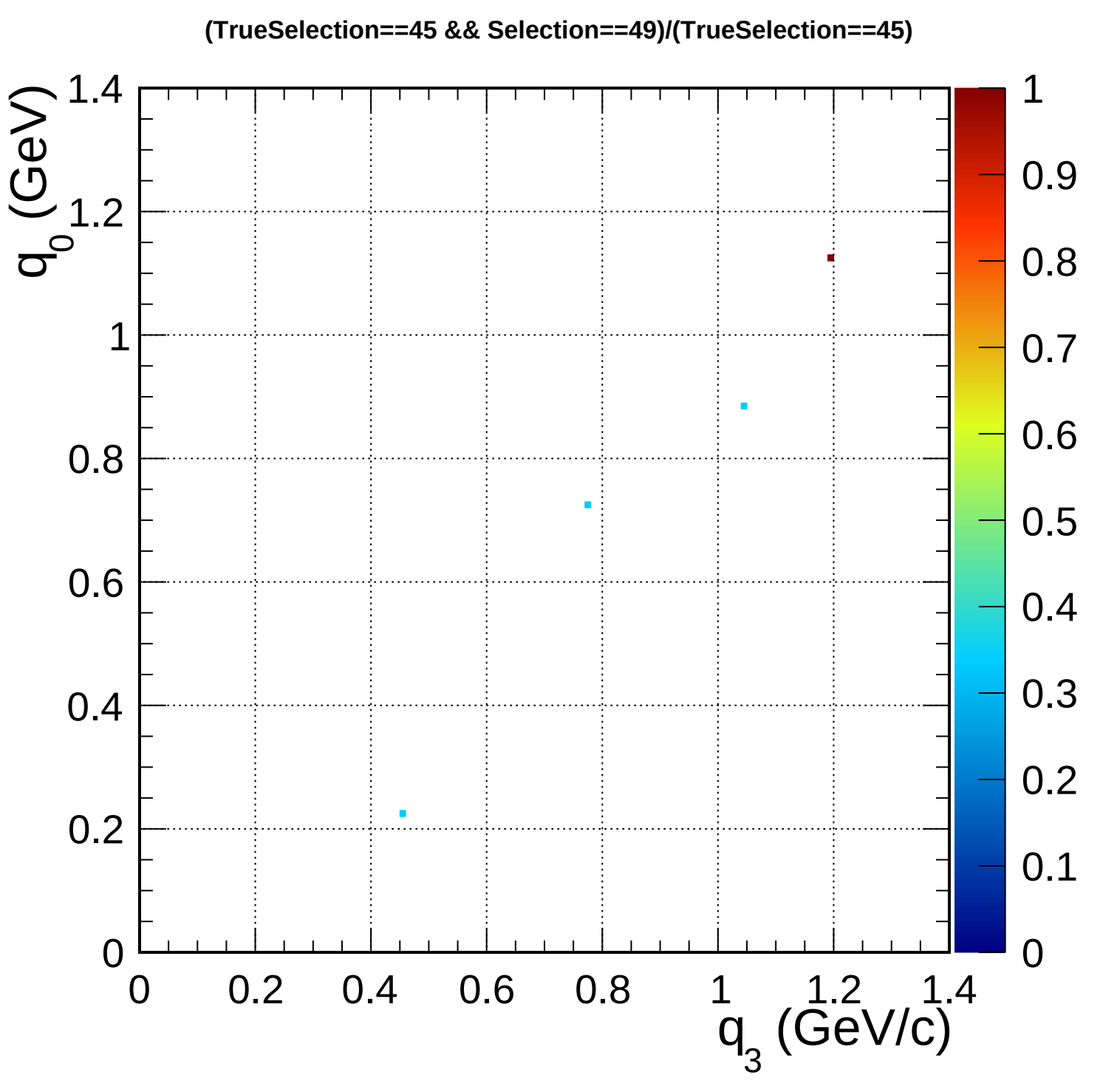

TrueSelection==45 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

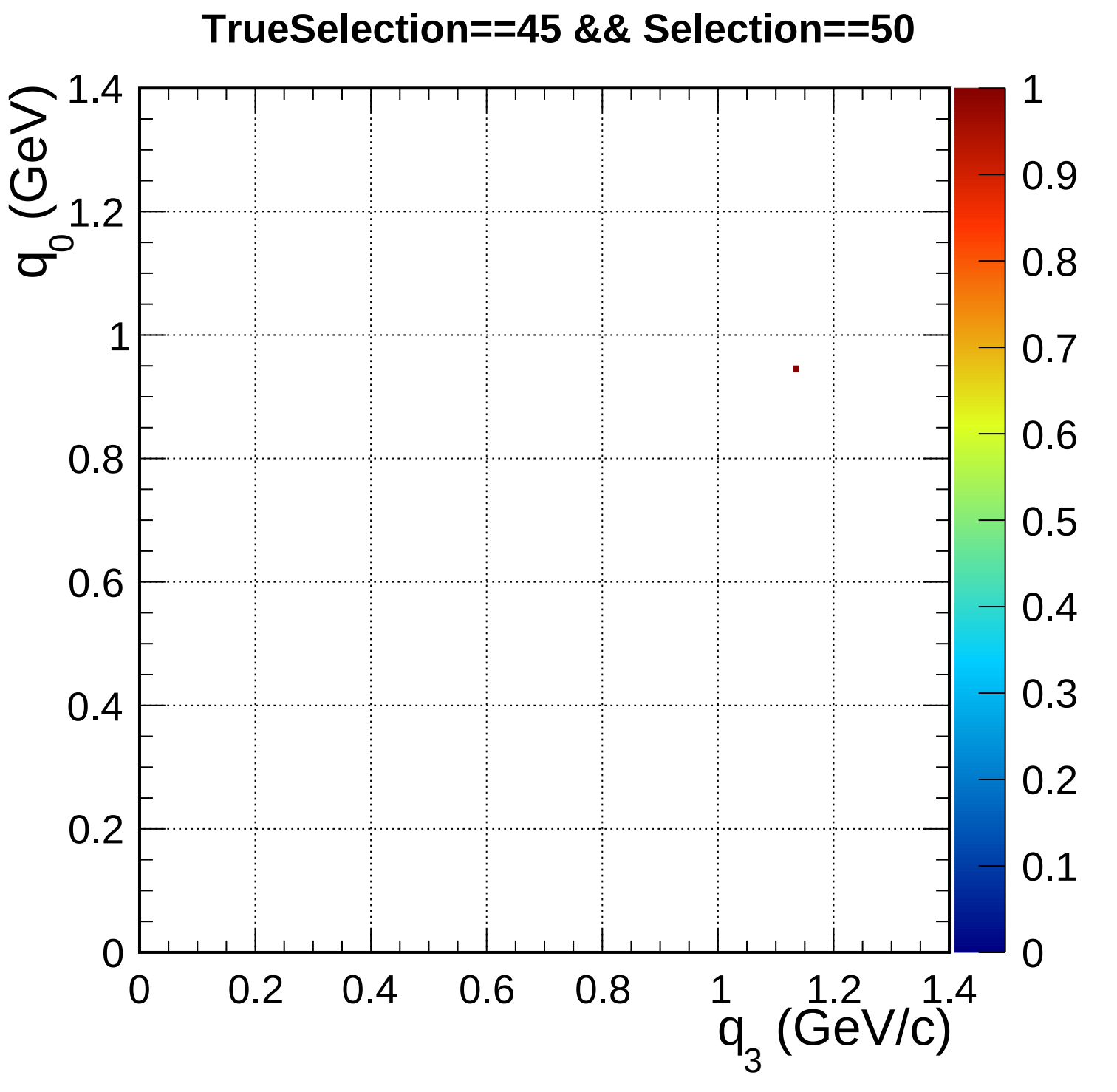

(TrueSelection==45 && Selection==44)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

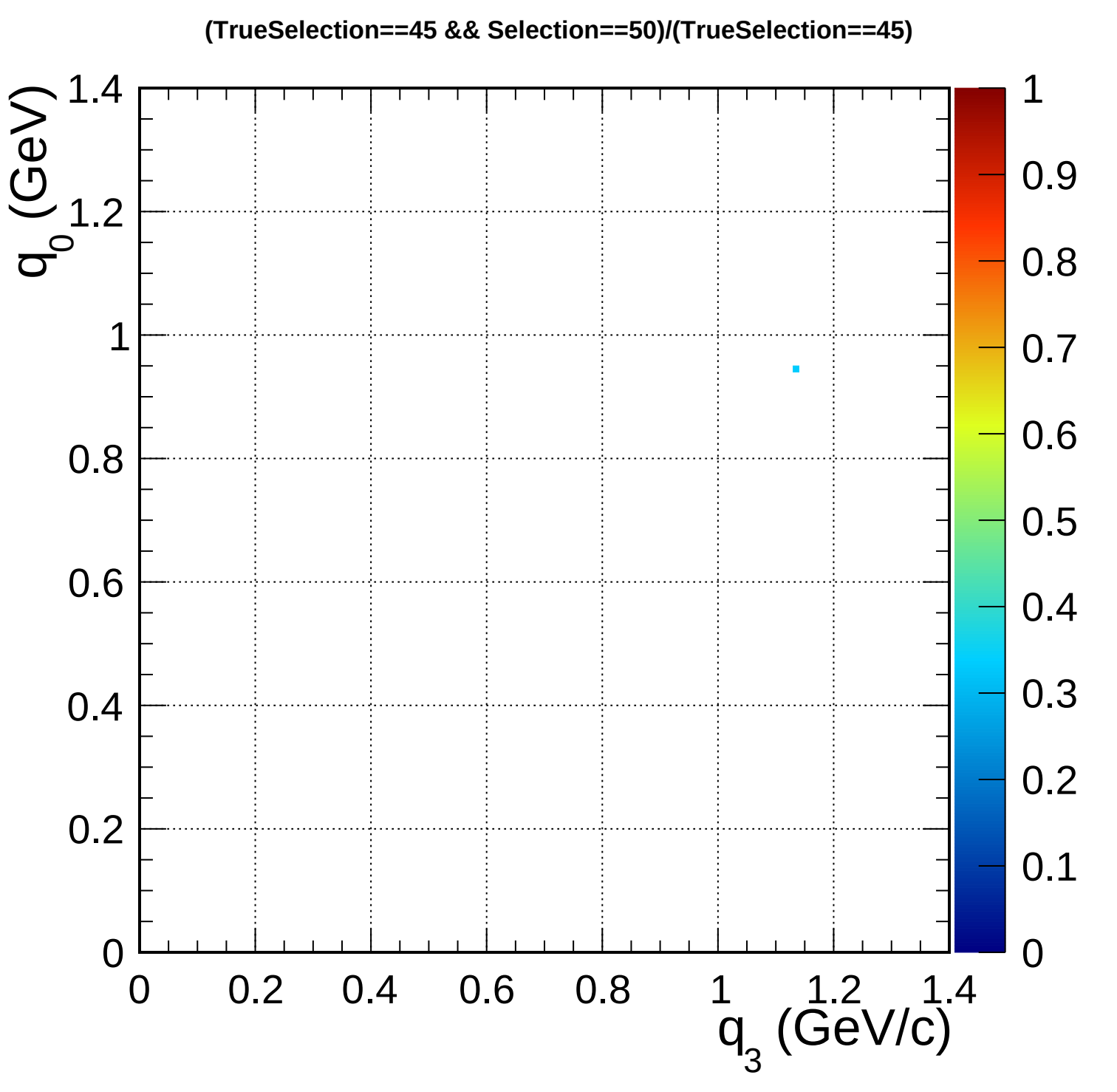

TrueSelection==45 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

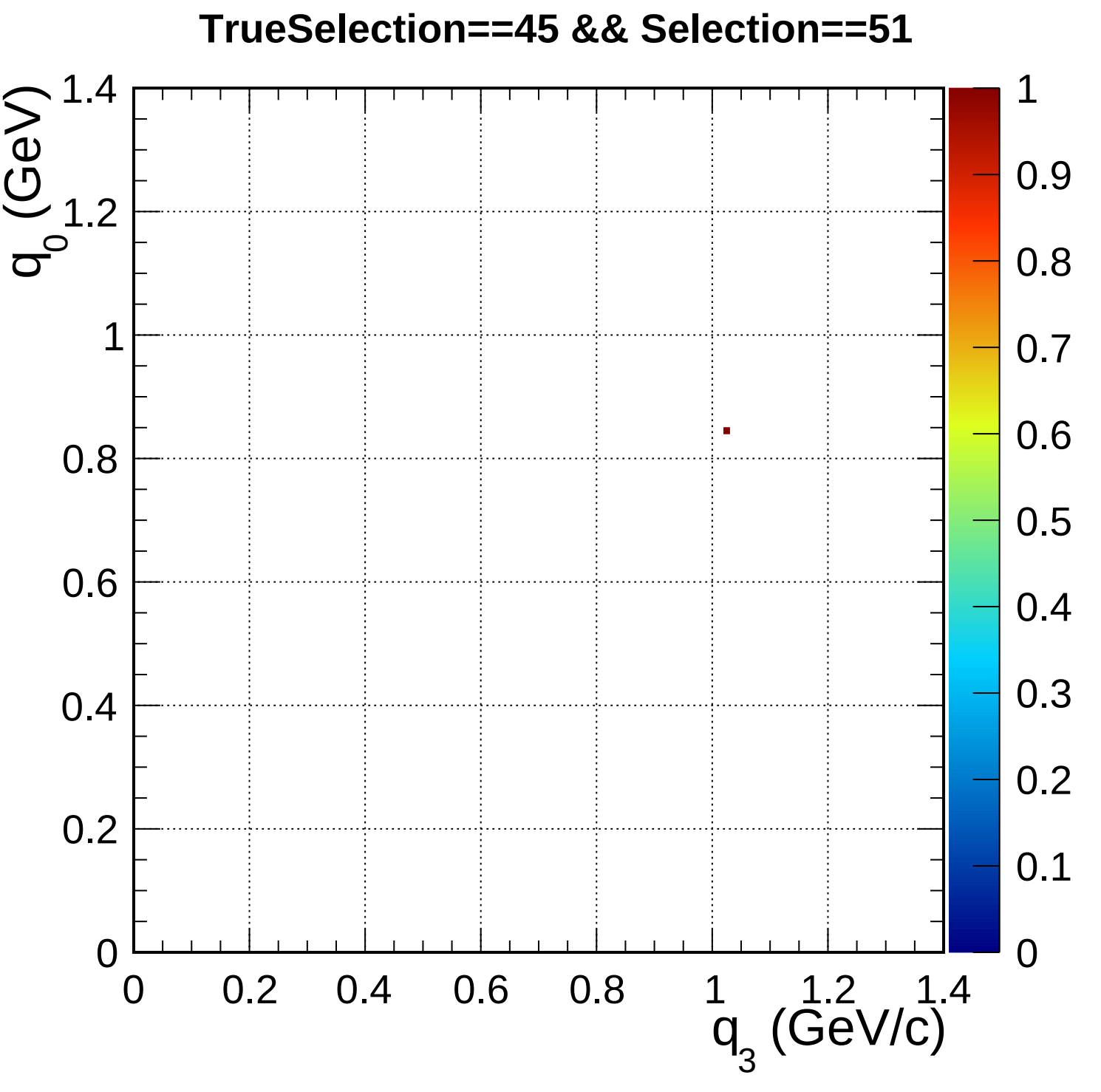

(TrueSelection==45 && Selection==45)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

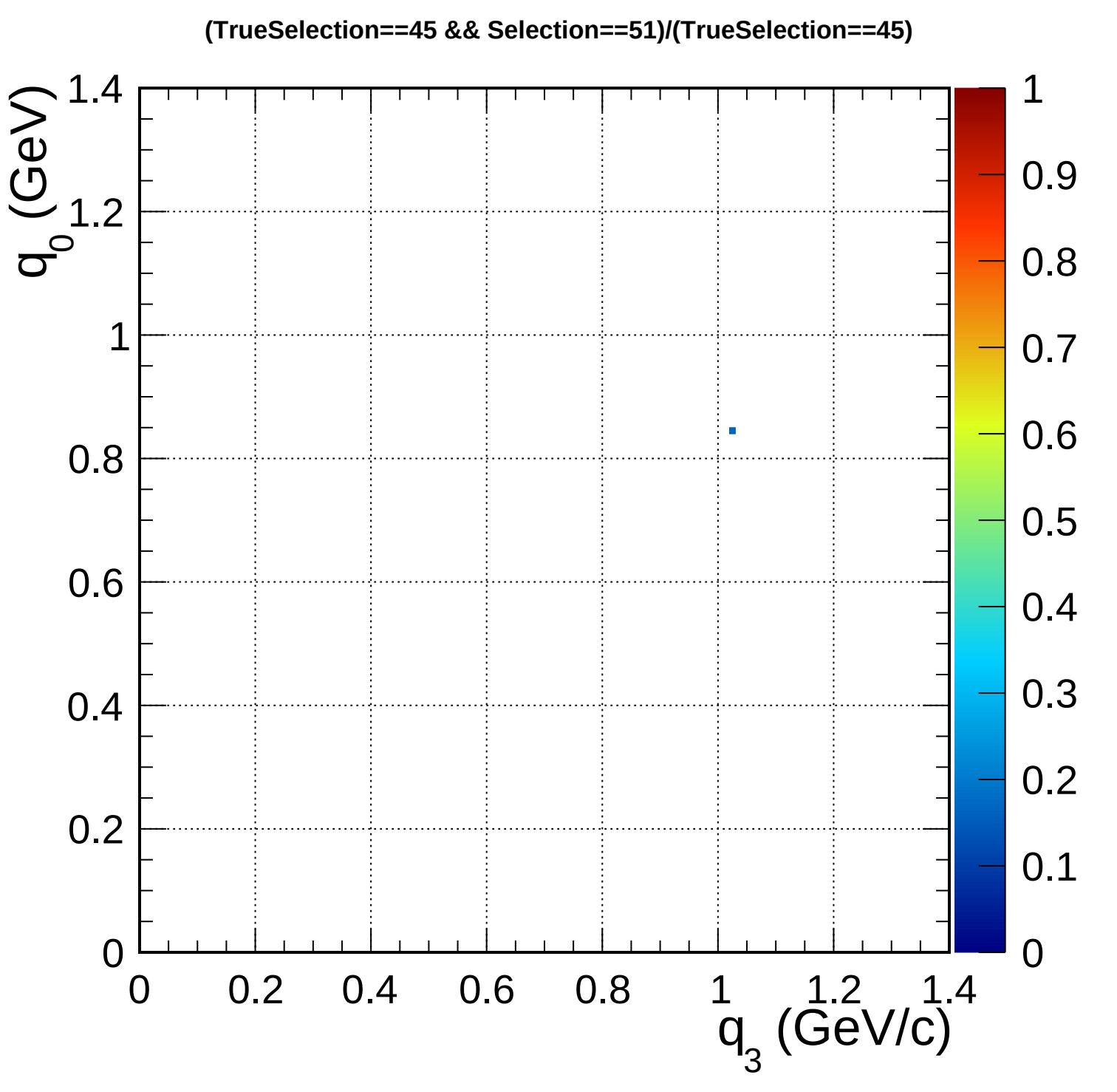

TrueSelection==45 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

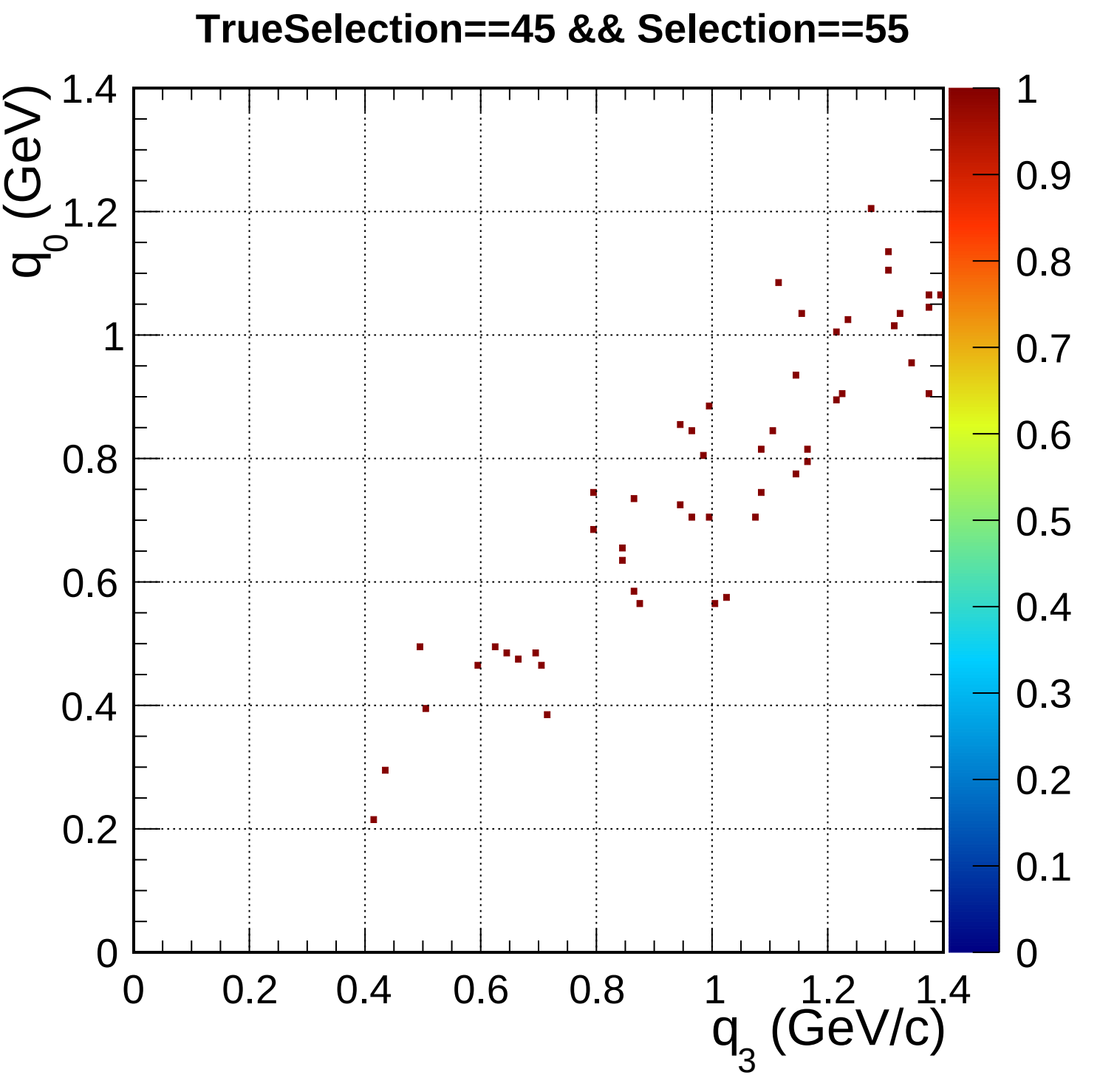

(TrueSelection==45 && Selection==49)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

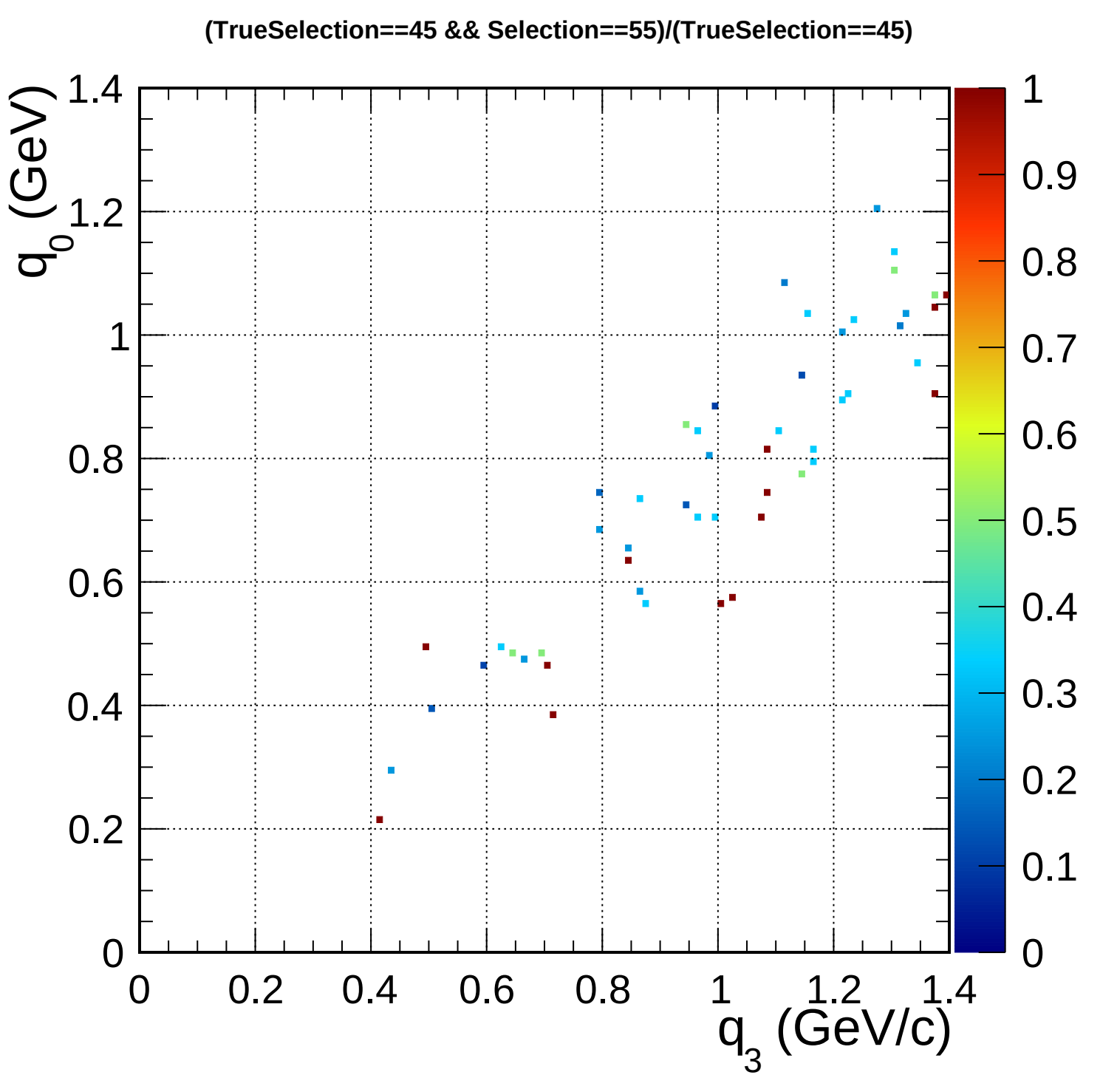

TrueSelection==45 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

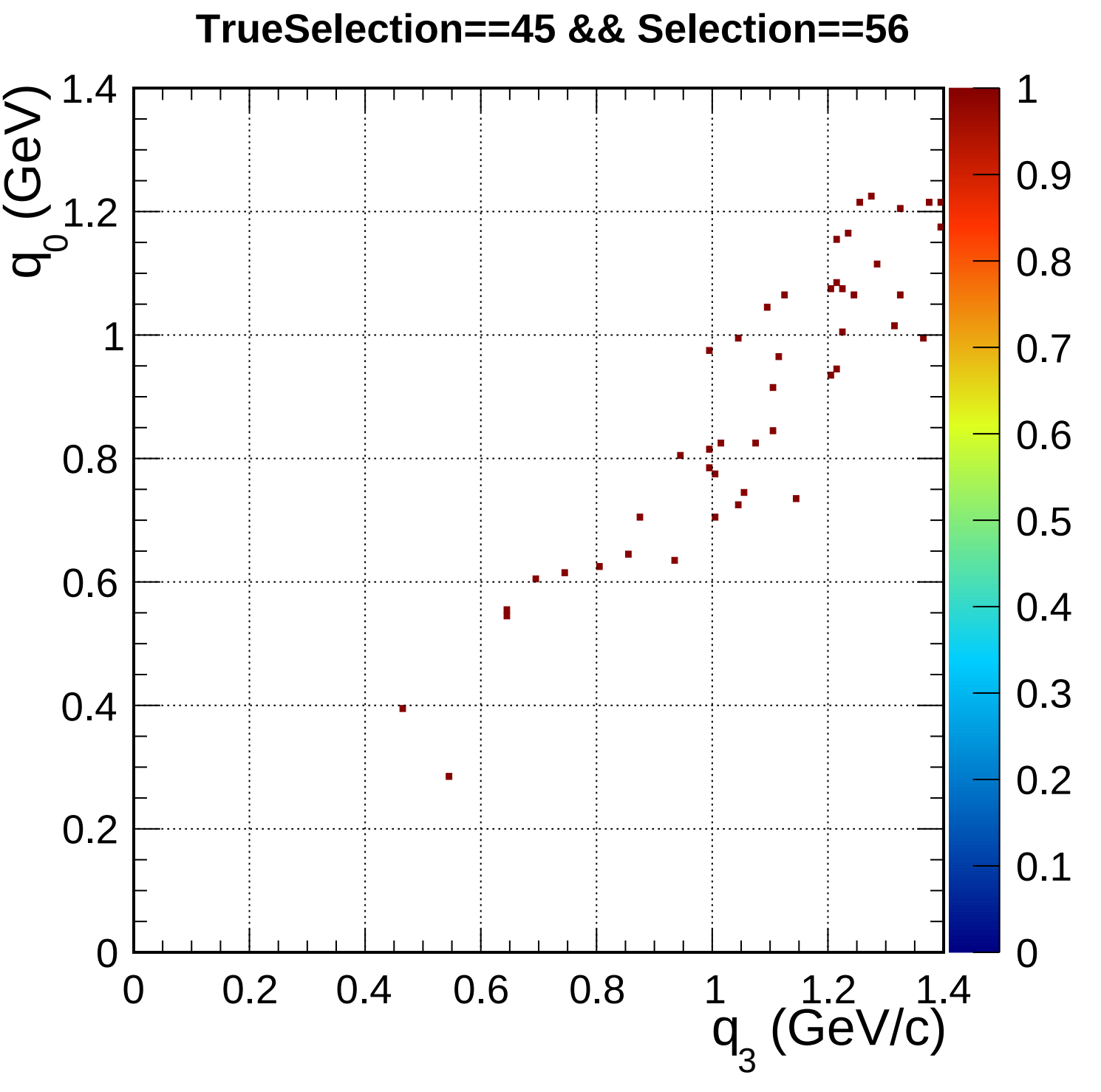

(TrueSelection==45 && Selection==50)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

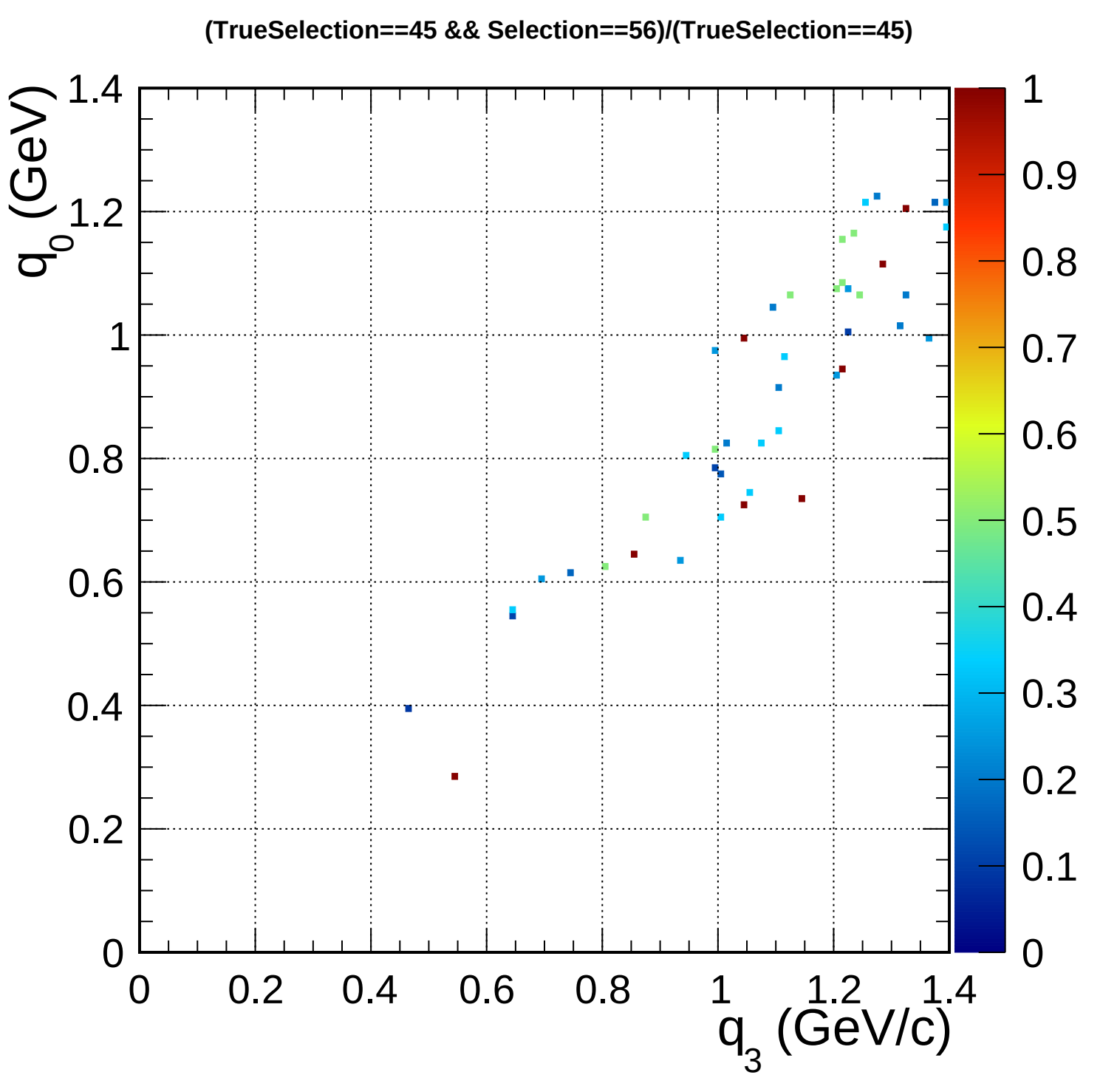

TrueSelection==45 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

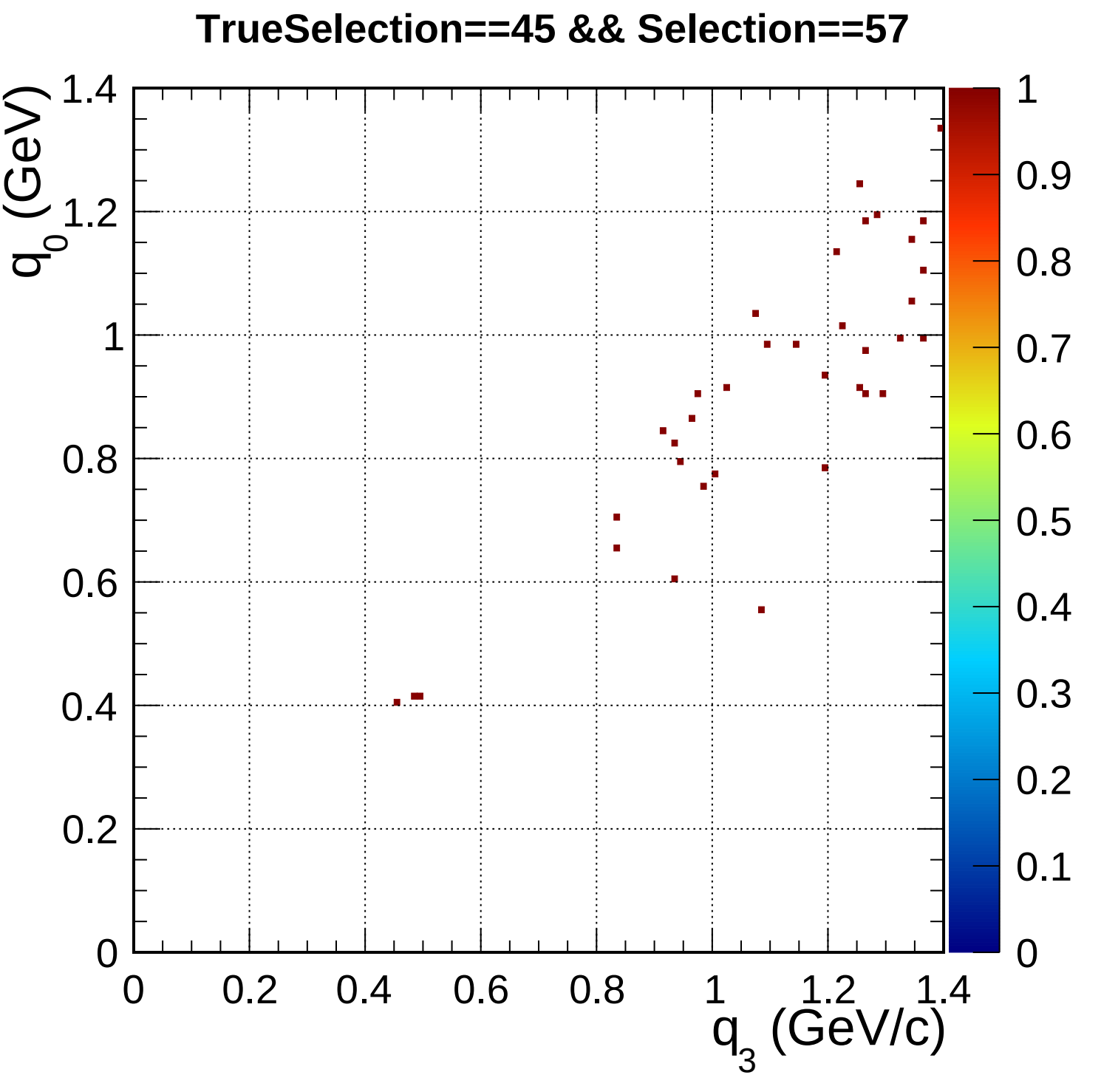

(TrueSelection==45 && Selection==51)/(TrueSelection==45)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

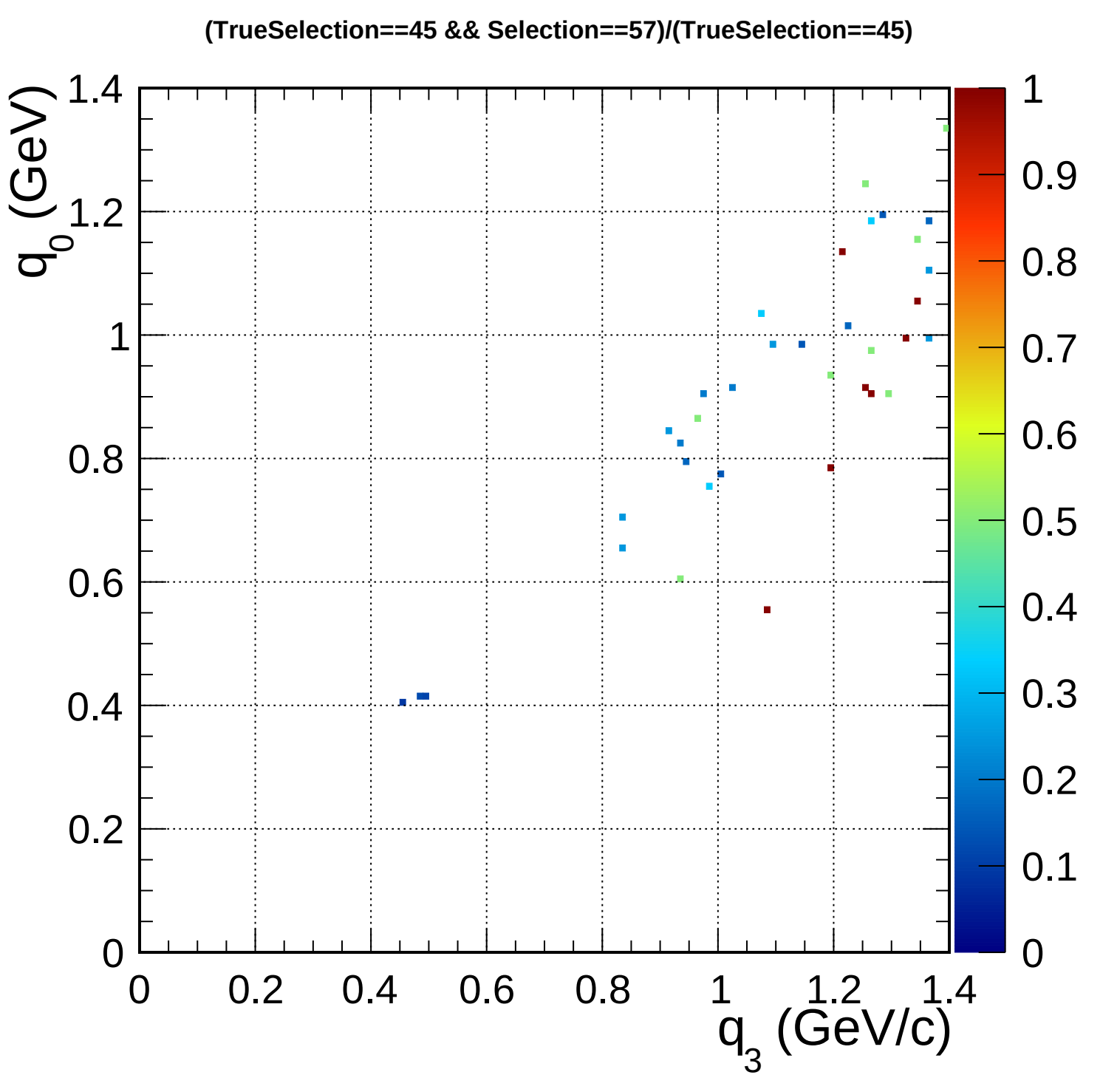

TrueSelection==45 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

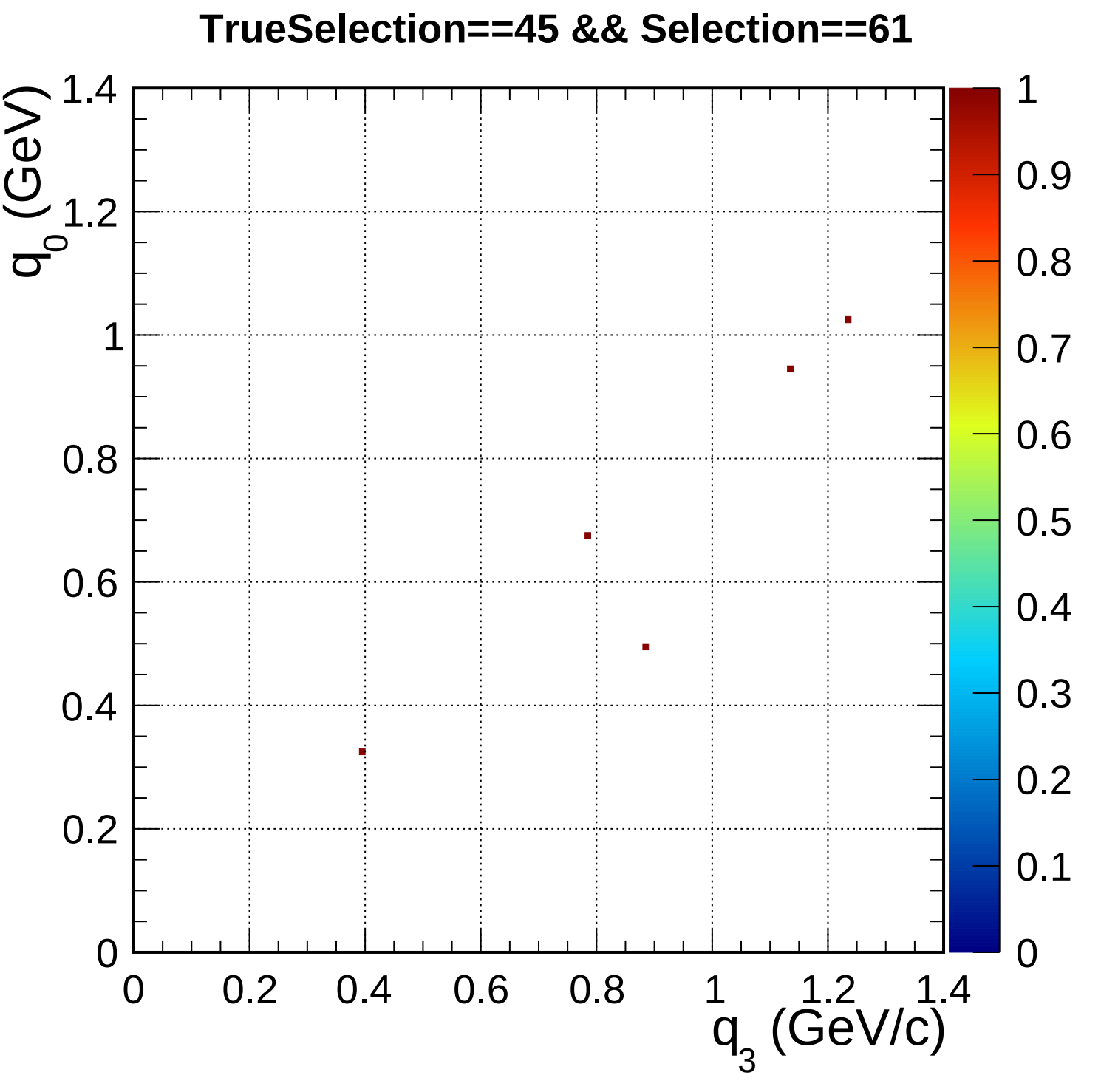

(TrueSelection==45 && Selection==55)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

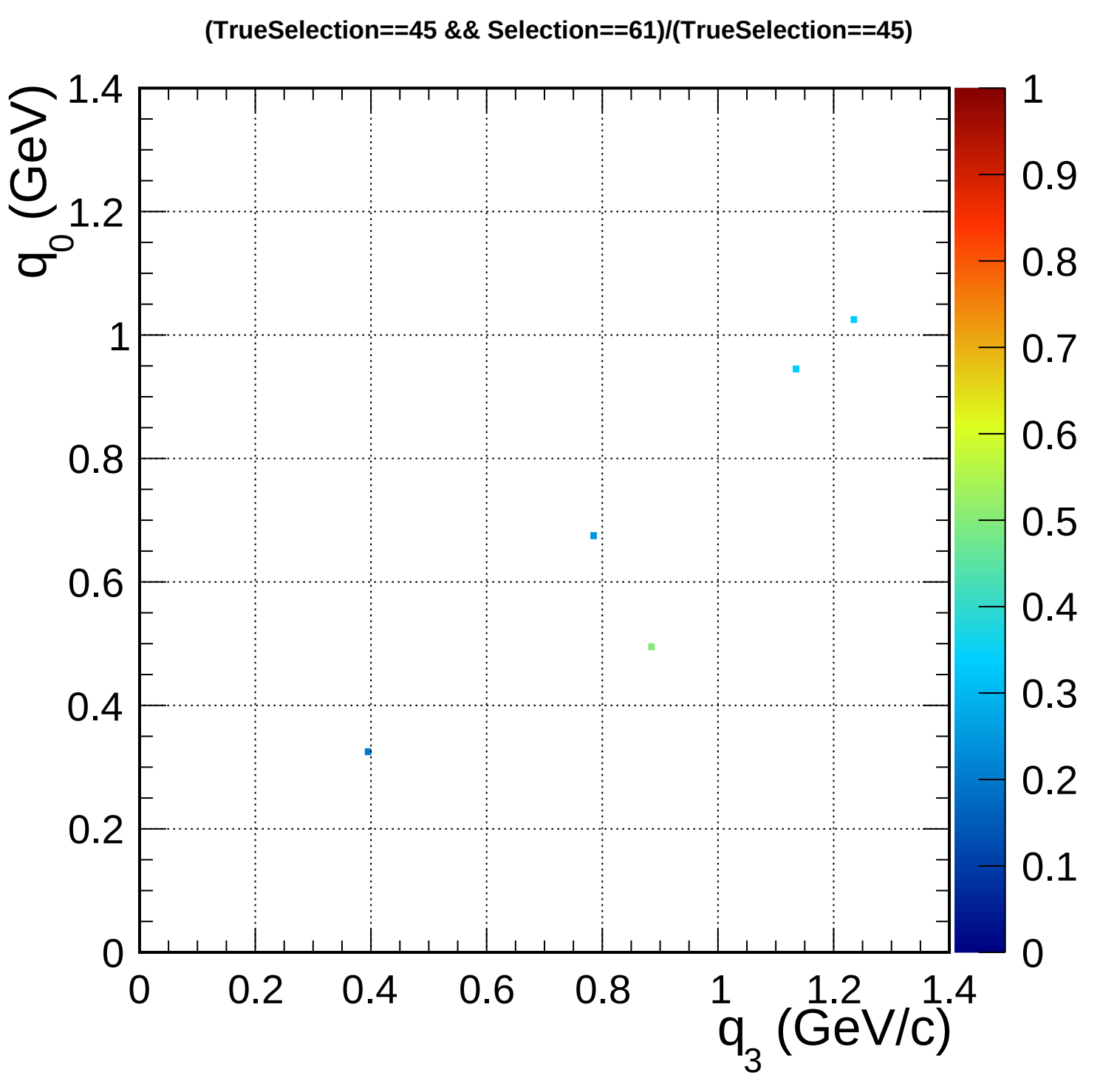

TrueSelection==45 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

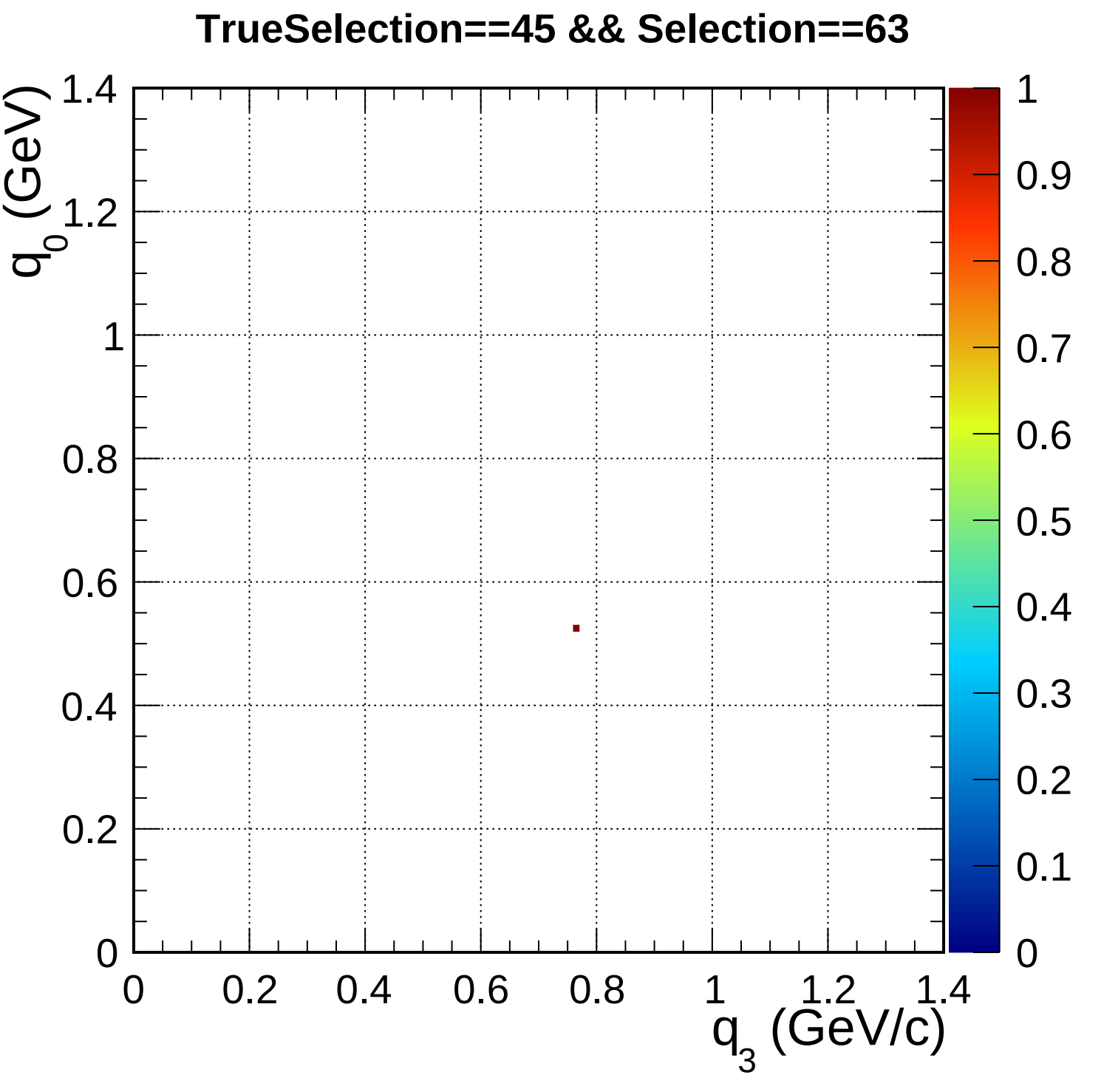

(TrueSelection==45 && Selection==56)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

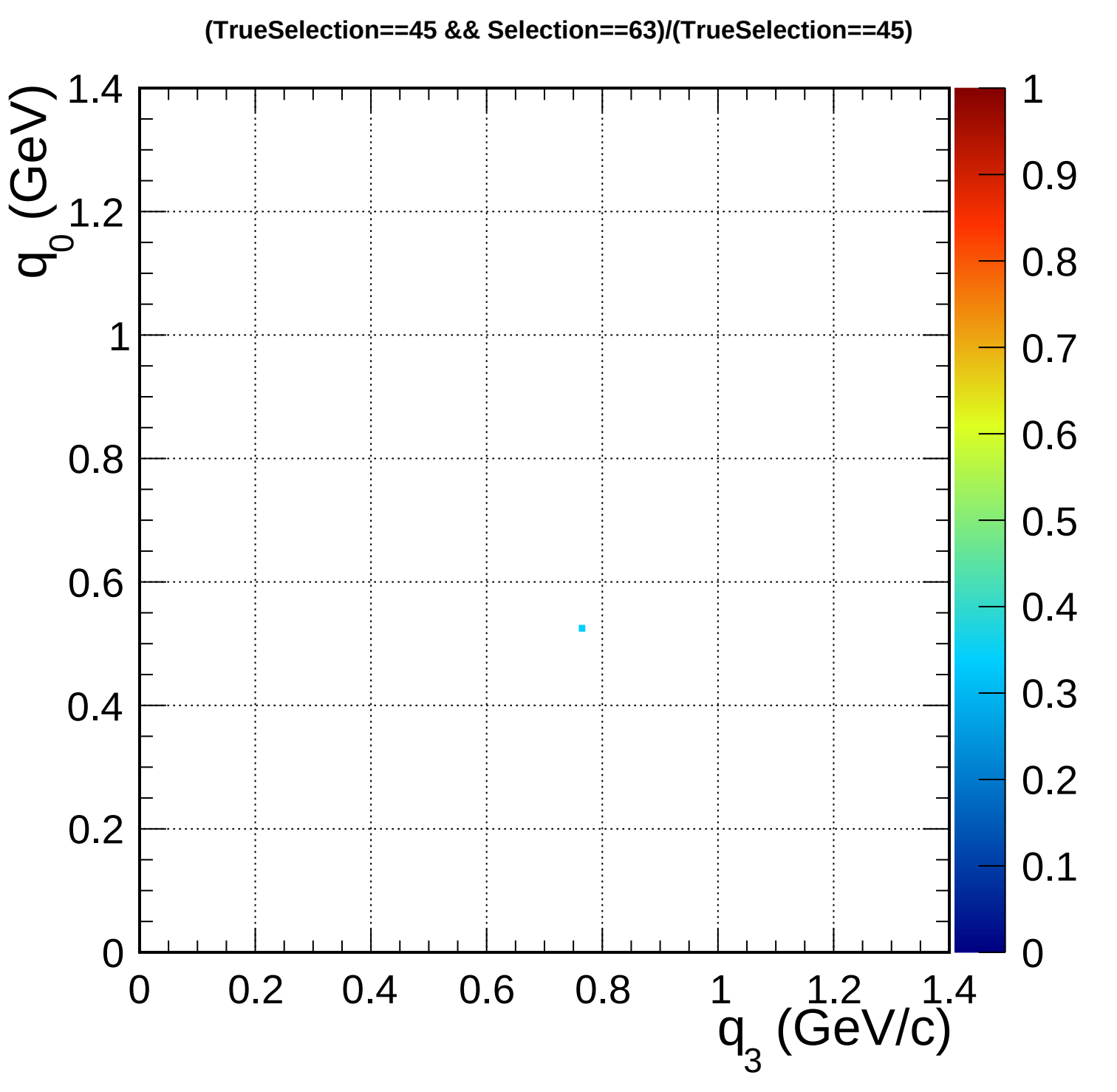

TrueSelection==45 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

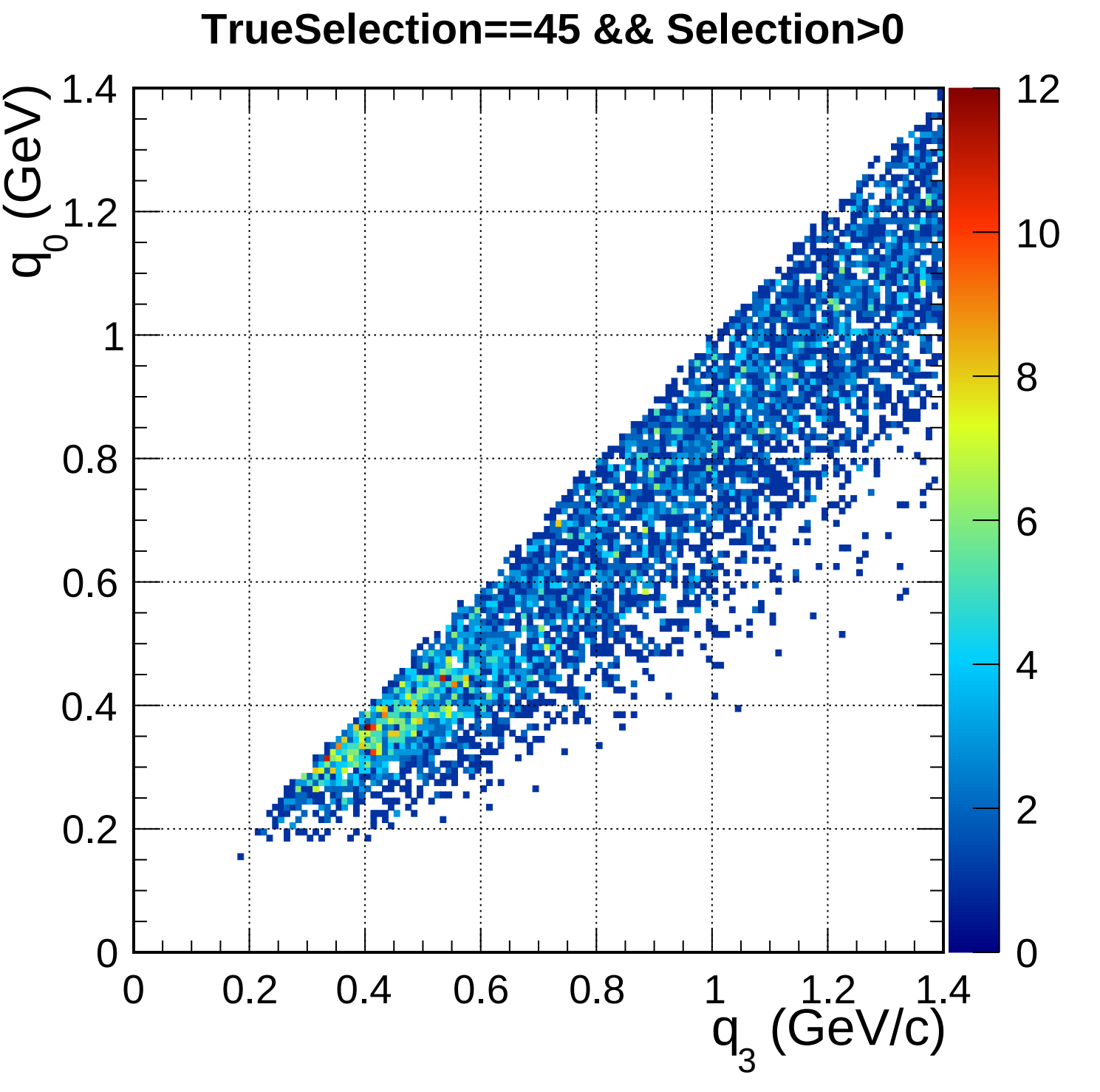

(TrueSelection==45 && Selection==57)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

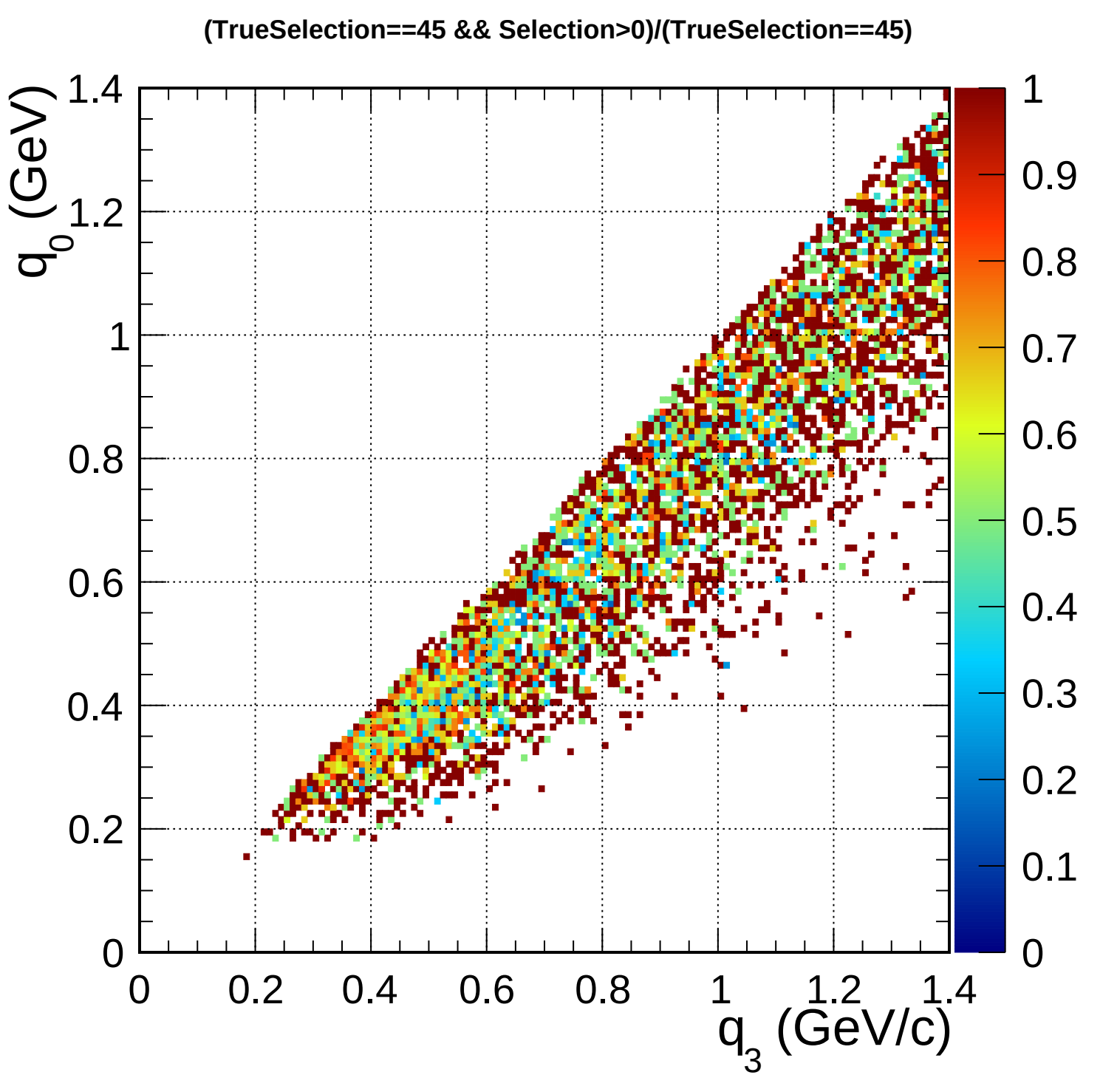

TrueSelection==45 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

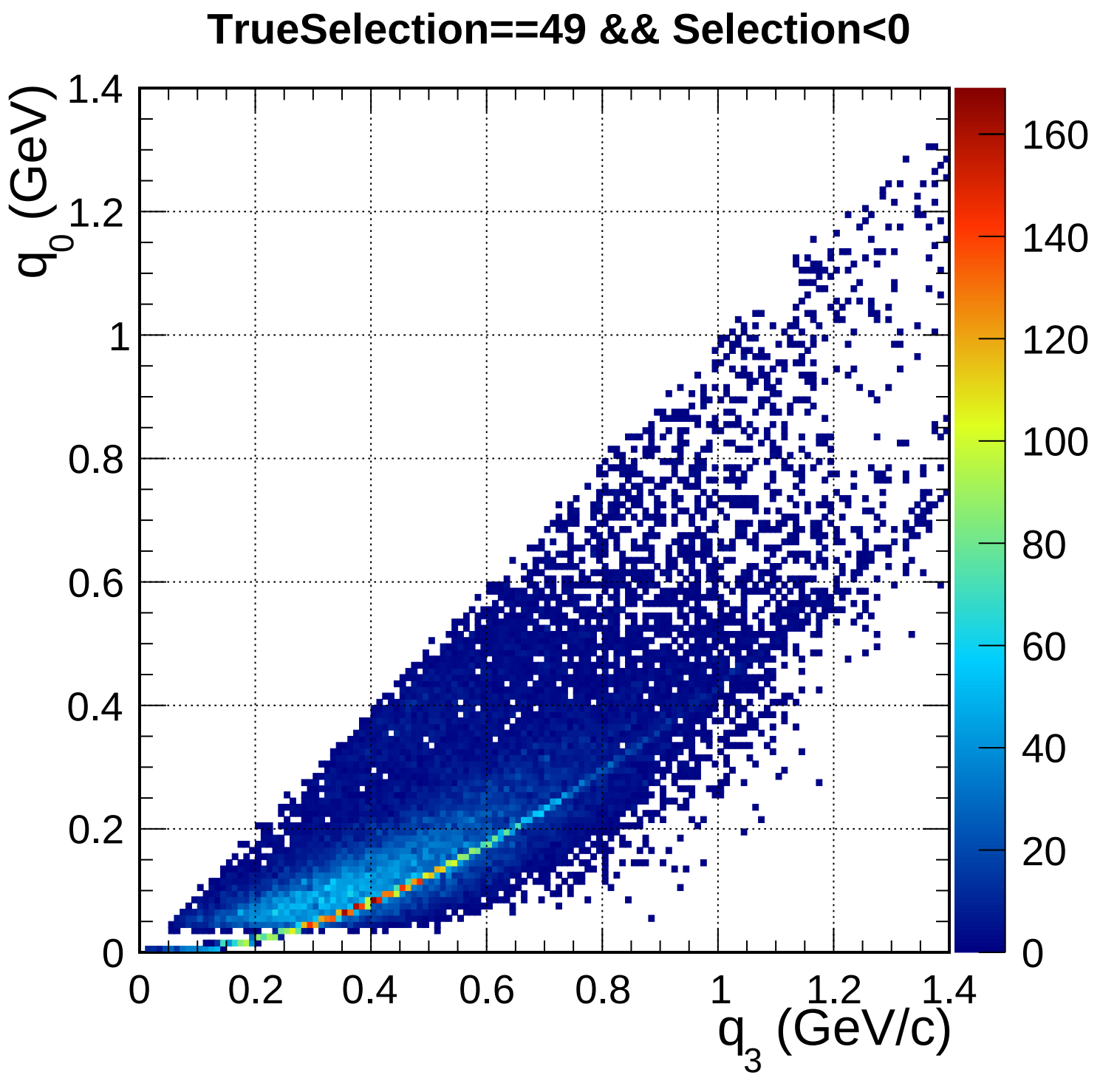

(TrueSelection==45 && Selection==61)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

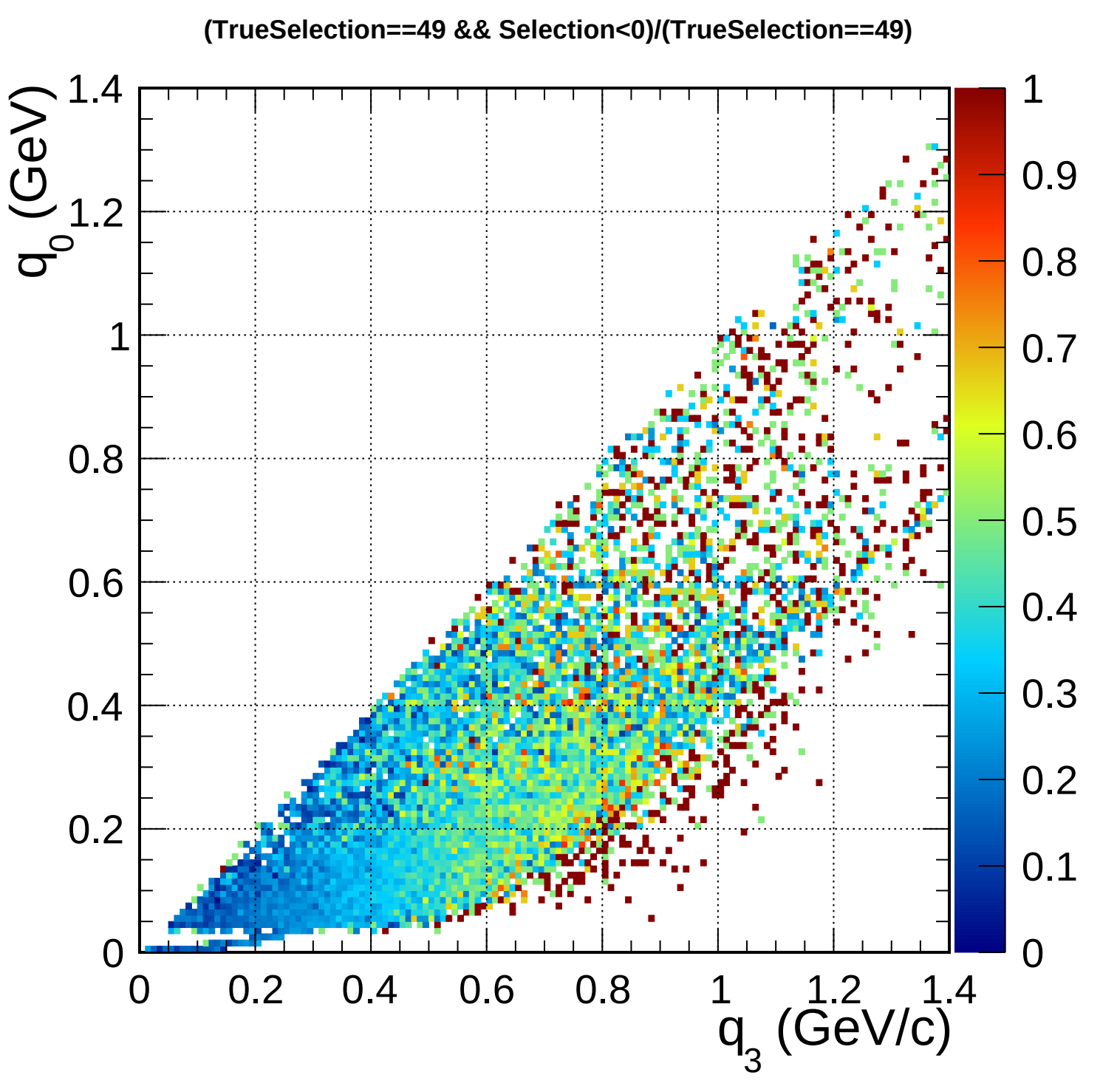

TrueSelection==45 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

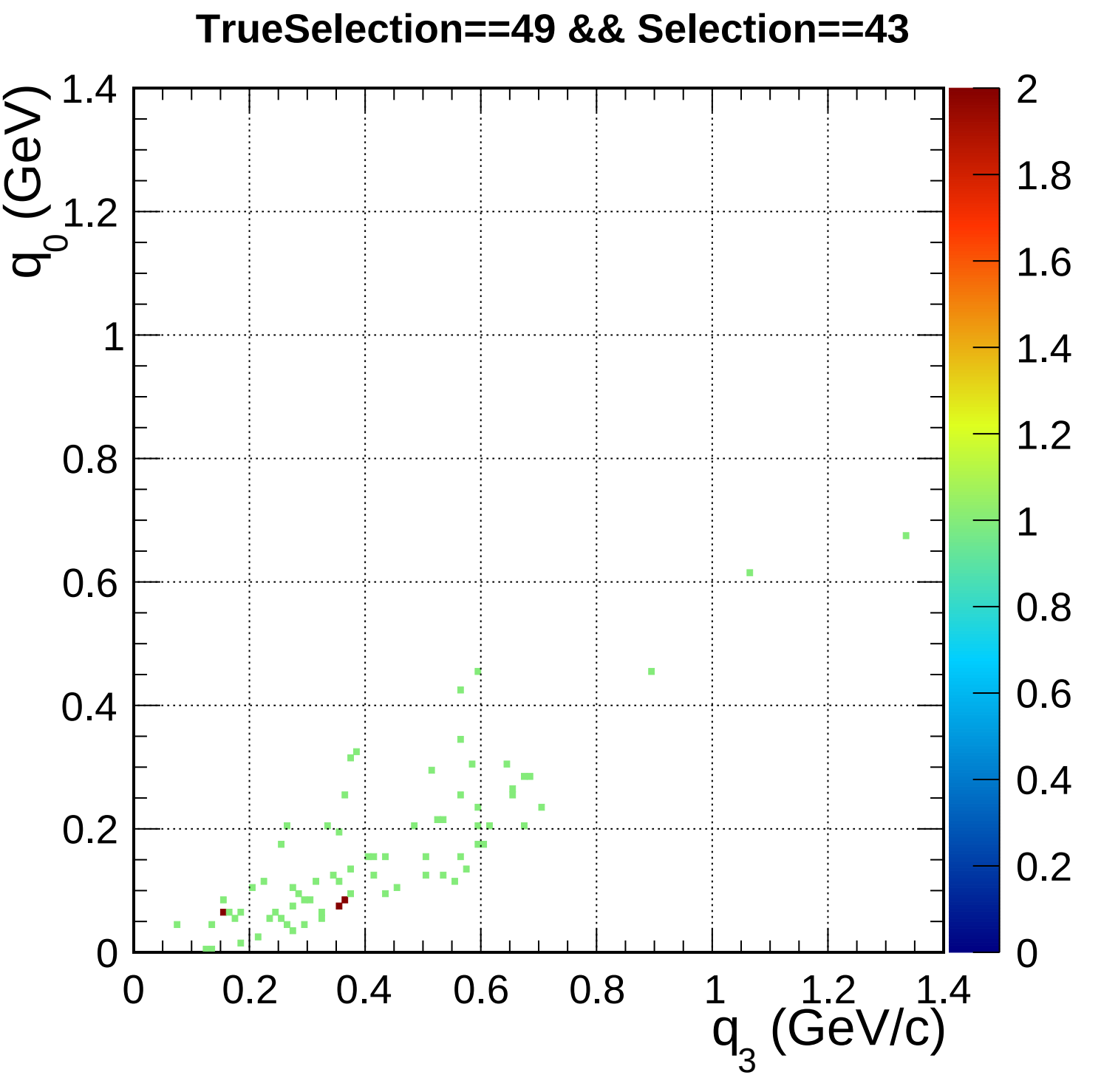

(TrueSelection==45 && Selection==63)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

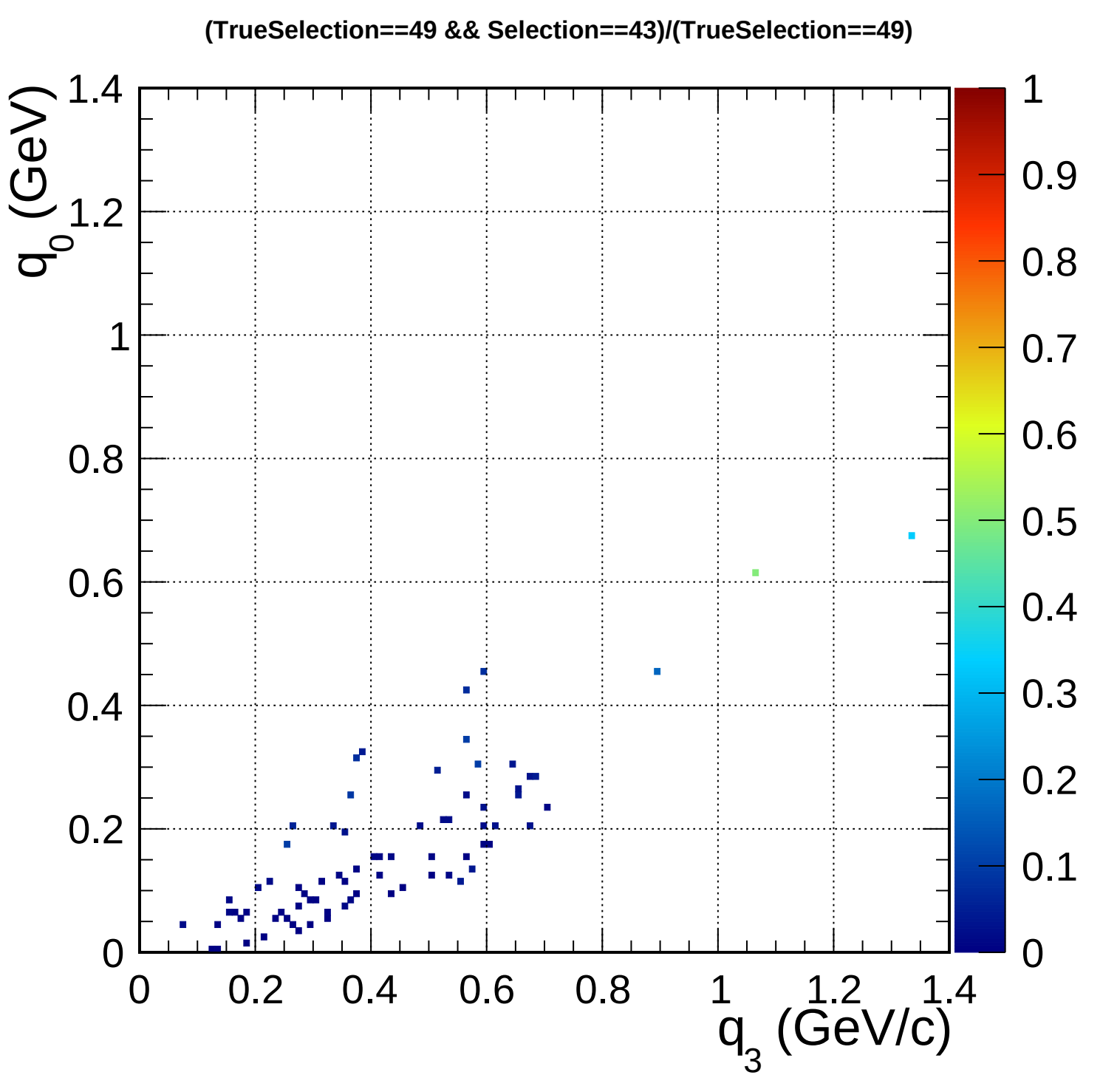

TrueSelection==45 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

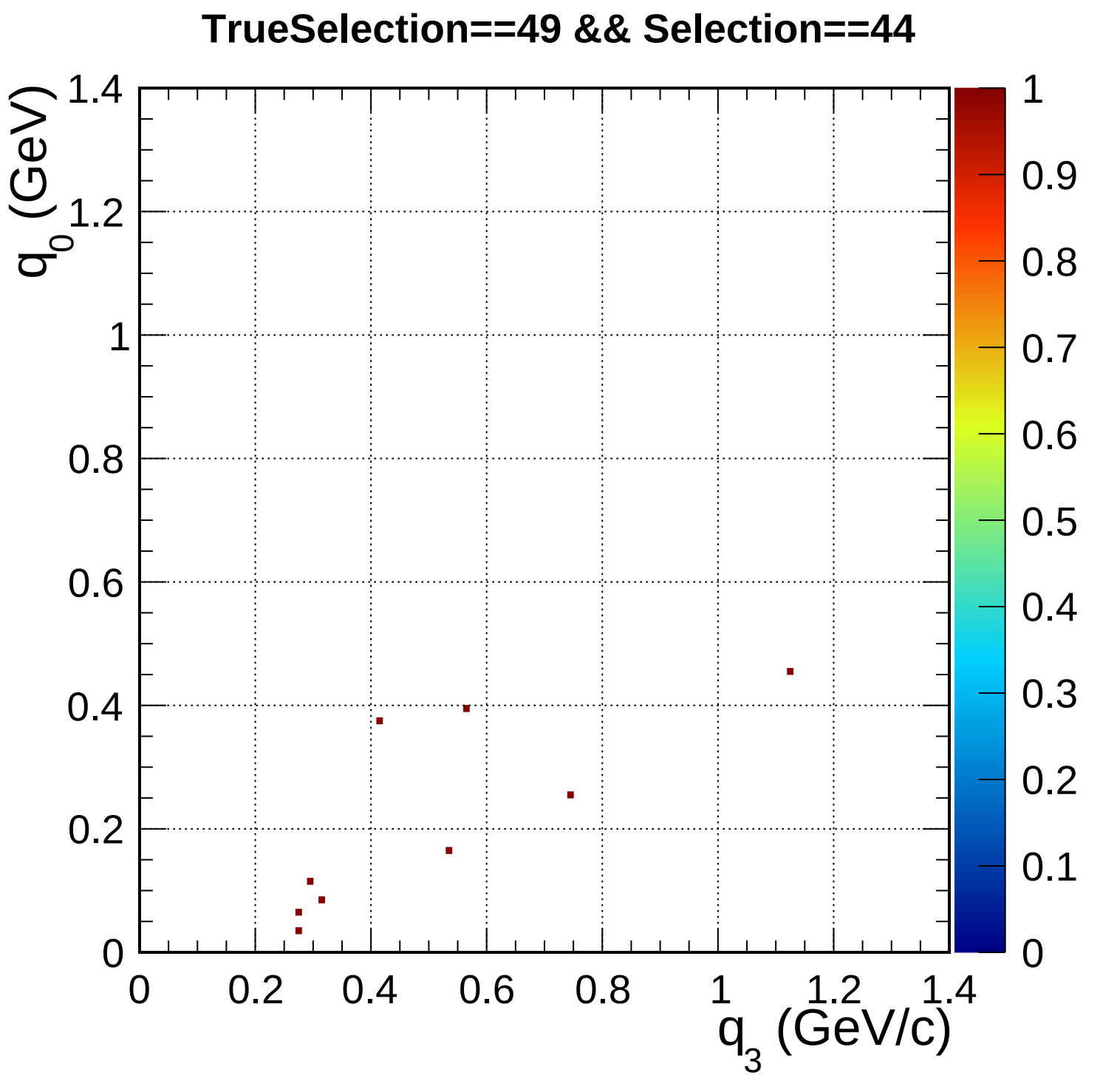

(TrueSelection==45 && Selection>0)/(TrueSelection==45)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

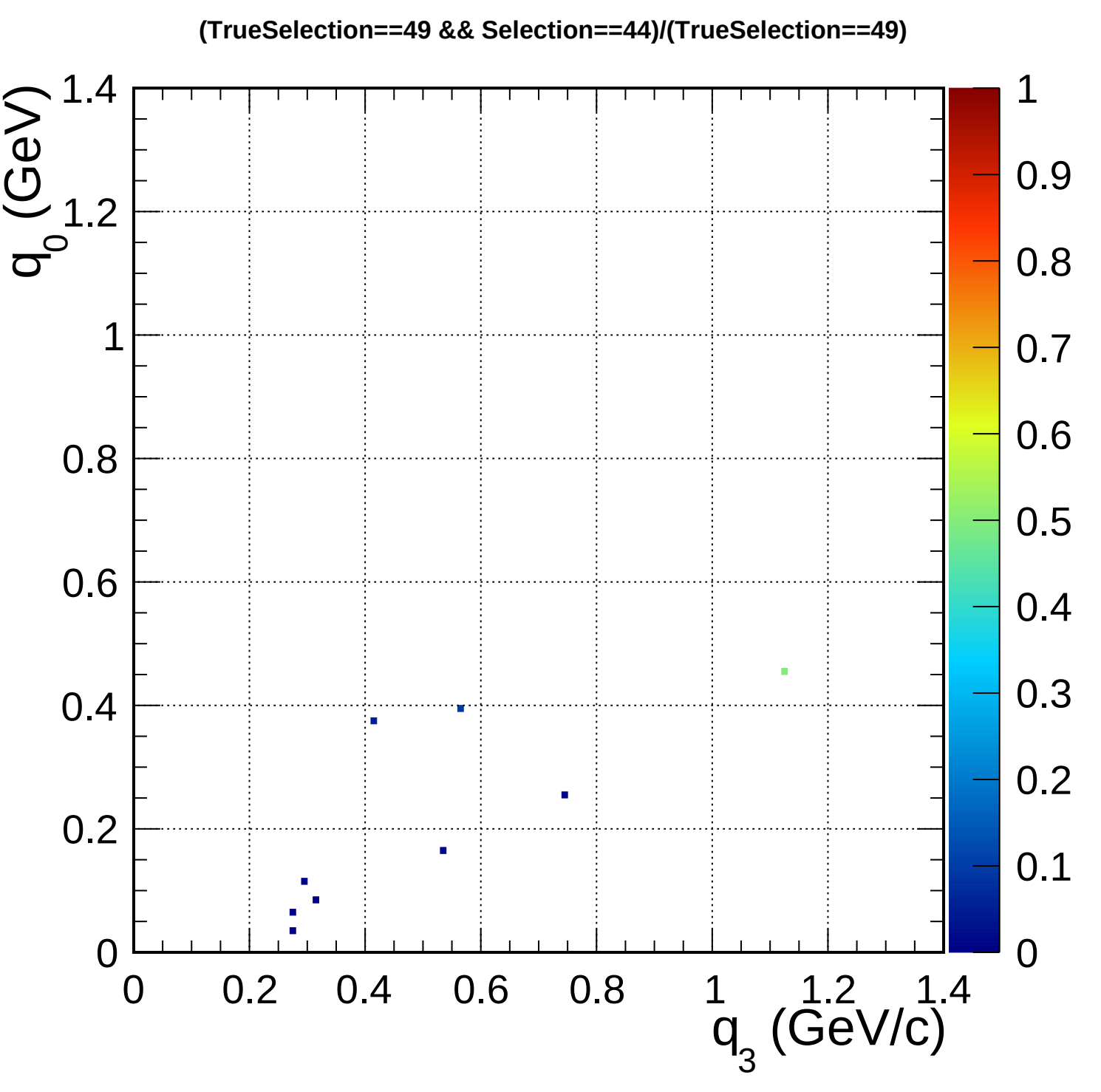

TrueSelection==49 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
20
40
60
80
100
120
140
160

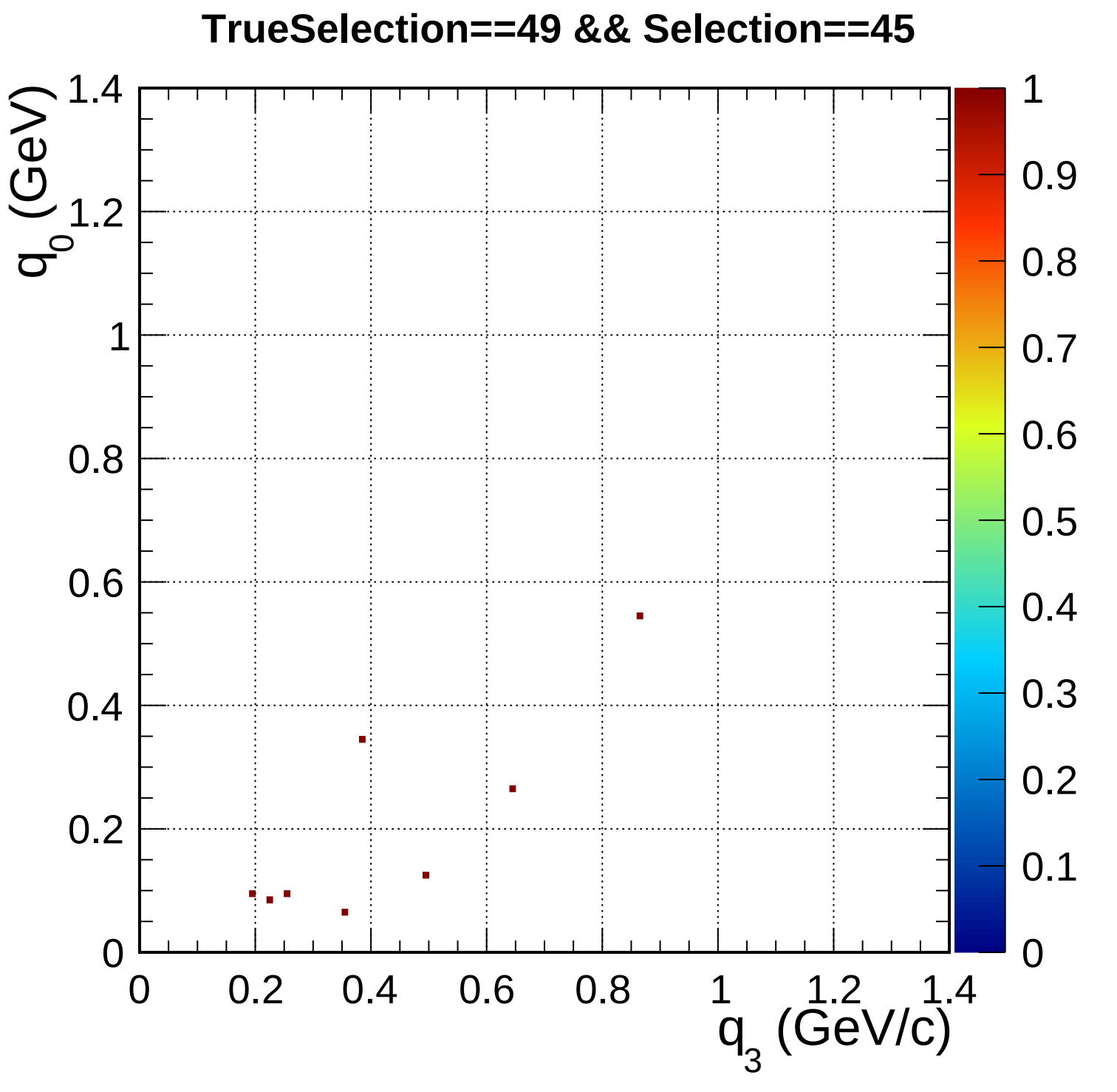

(TrueSelection==49 && Selection<0)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

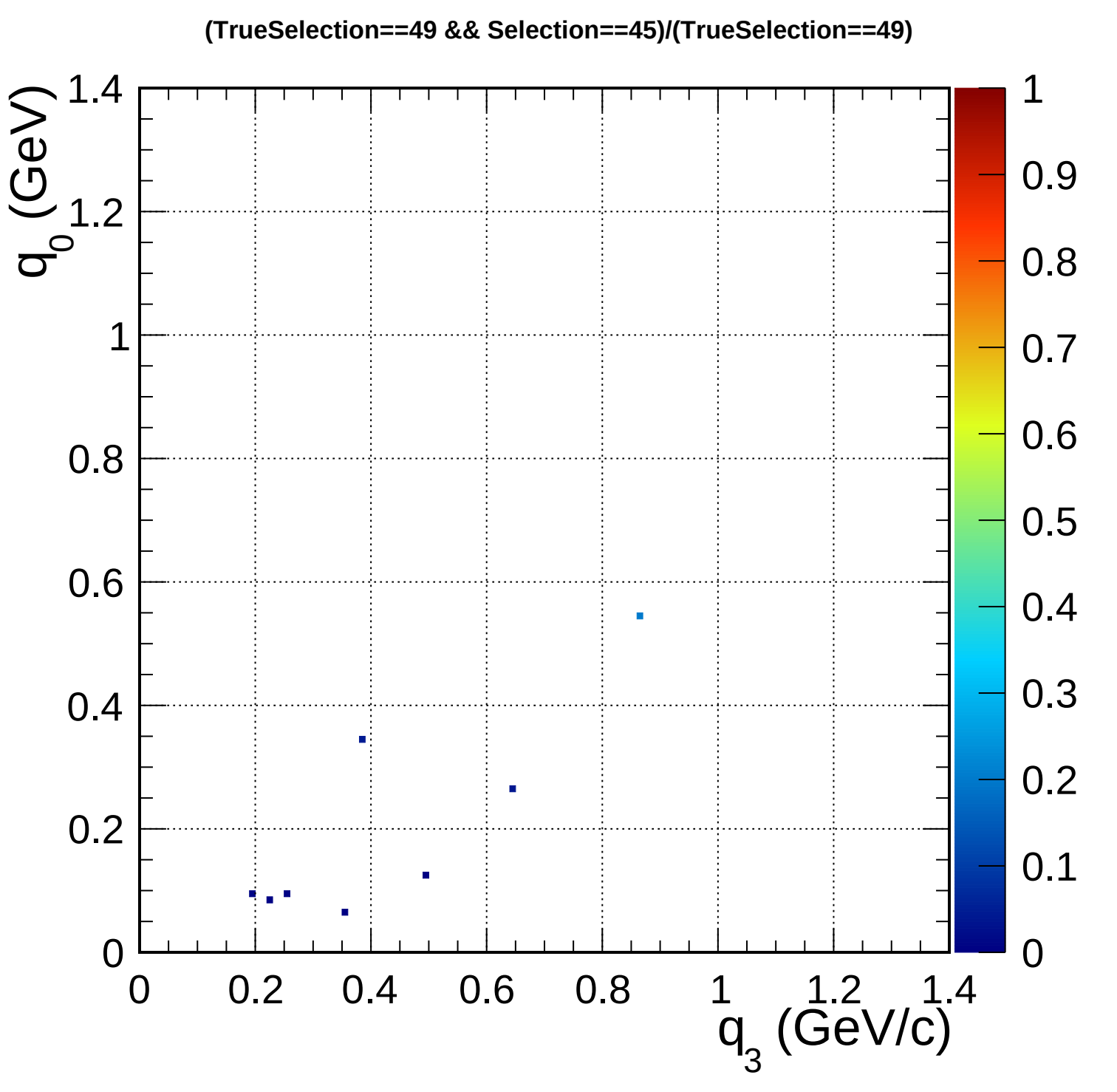

TrueSelection==49 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

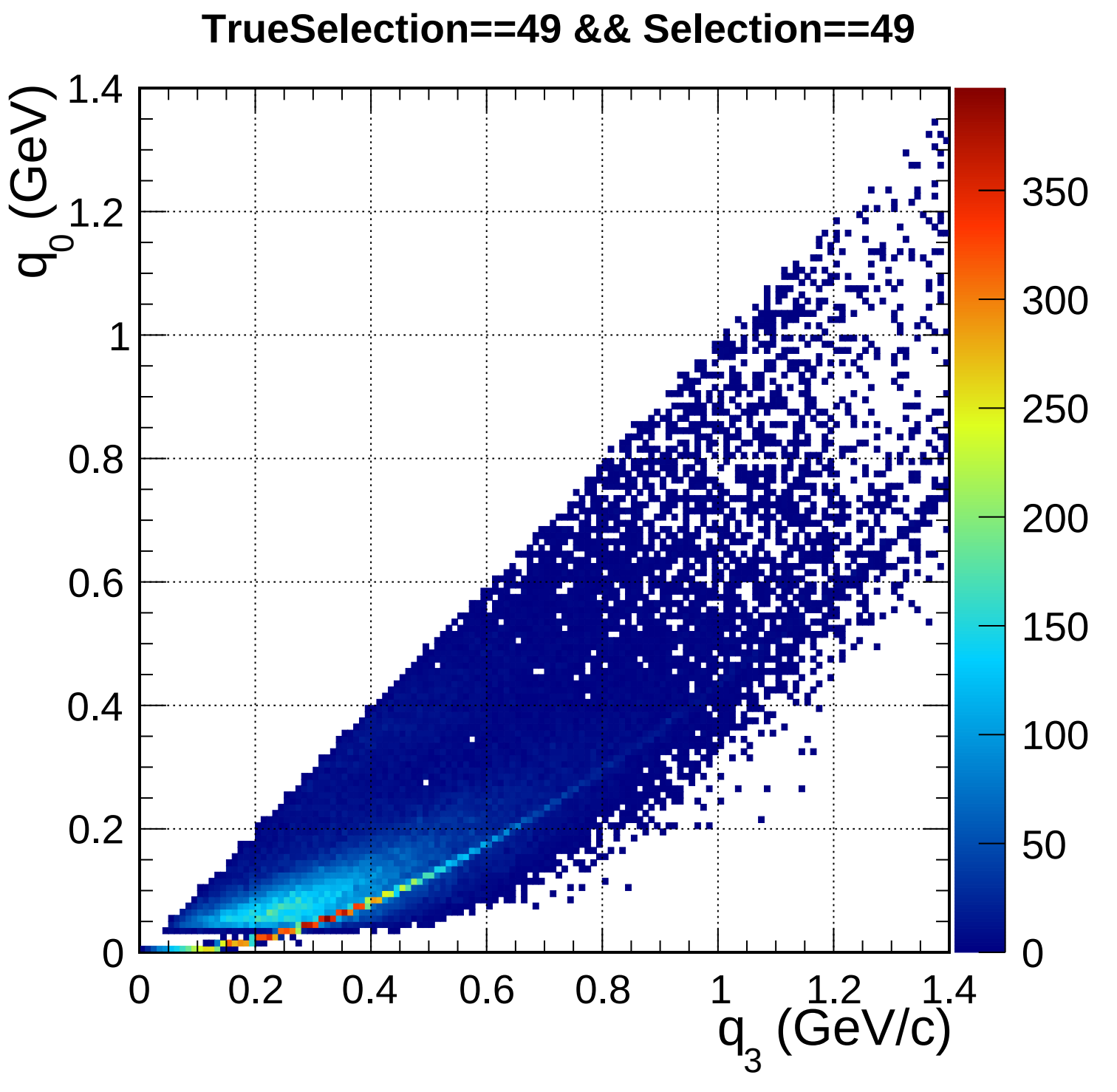

(TrueSelection==49 && Selection==43)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

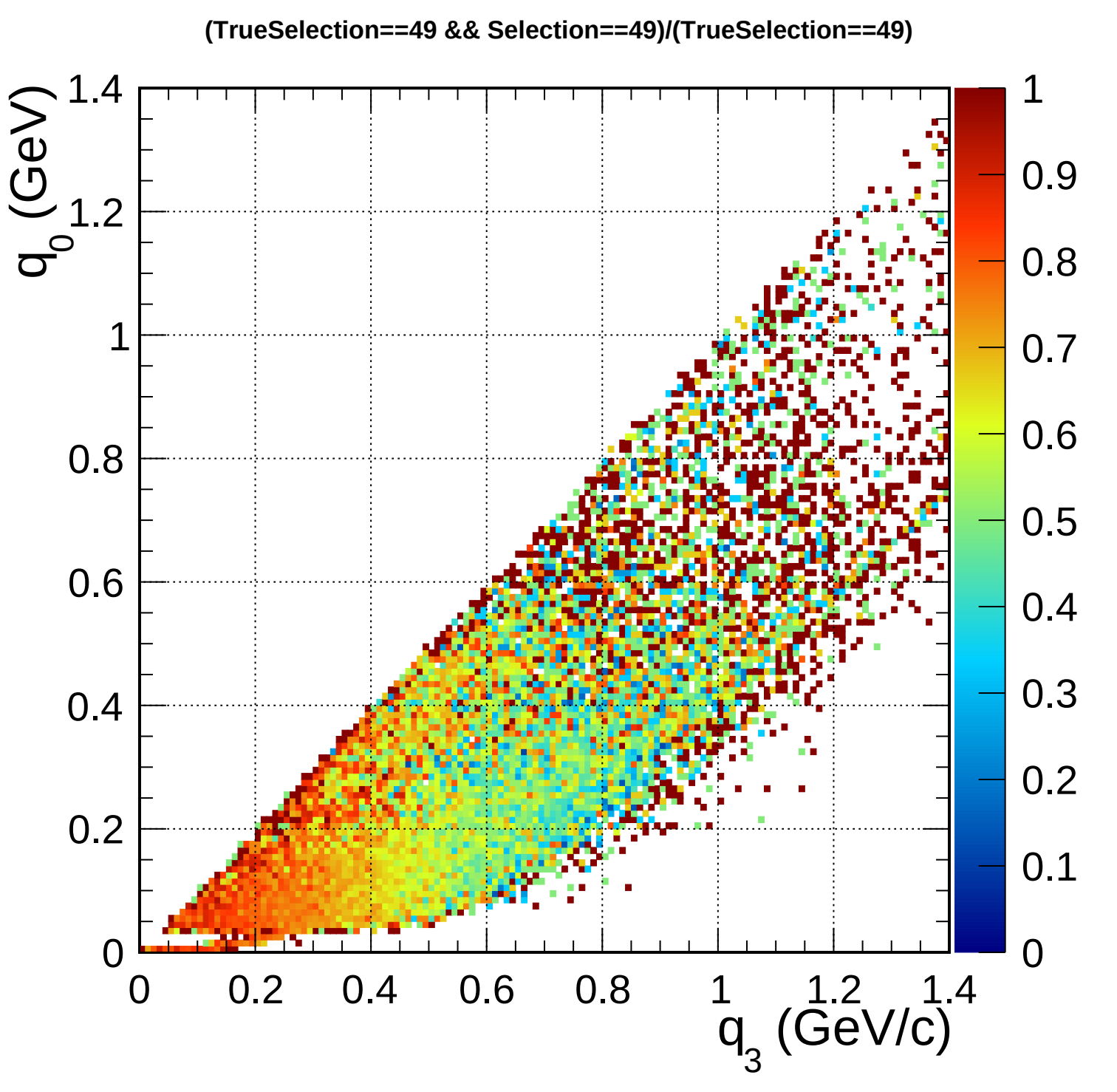

TrueSelection==49 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

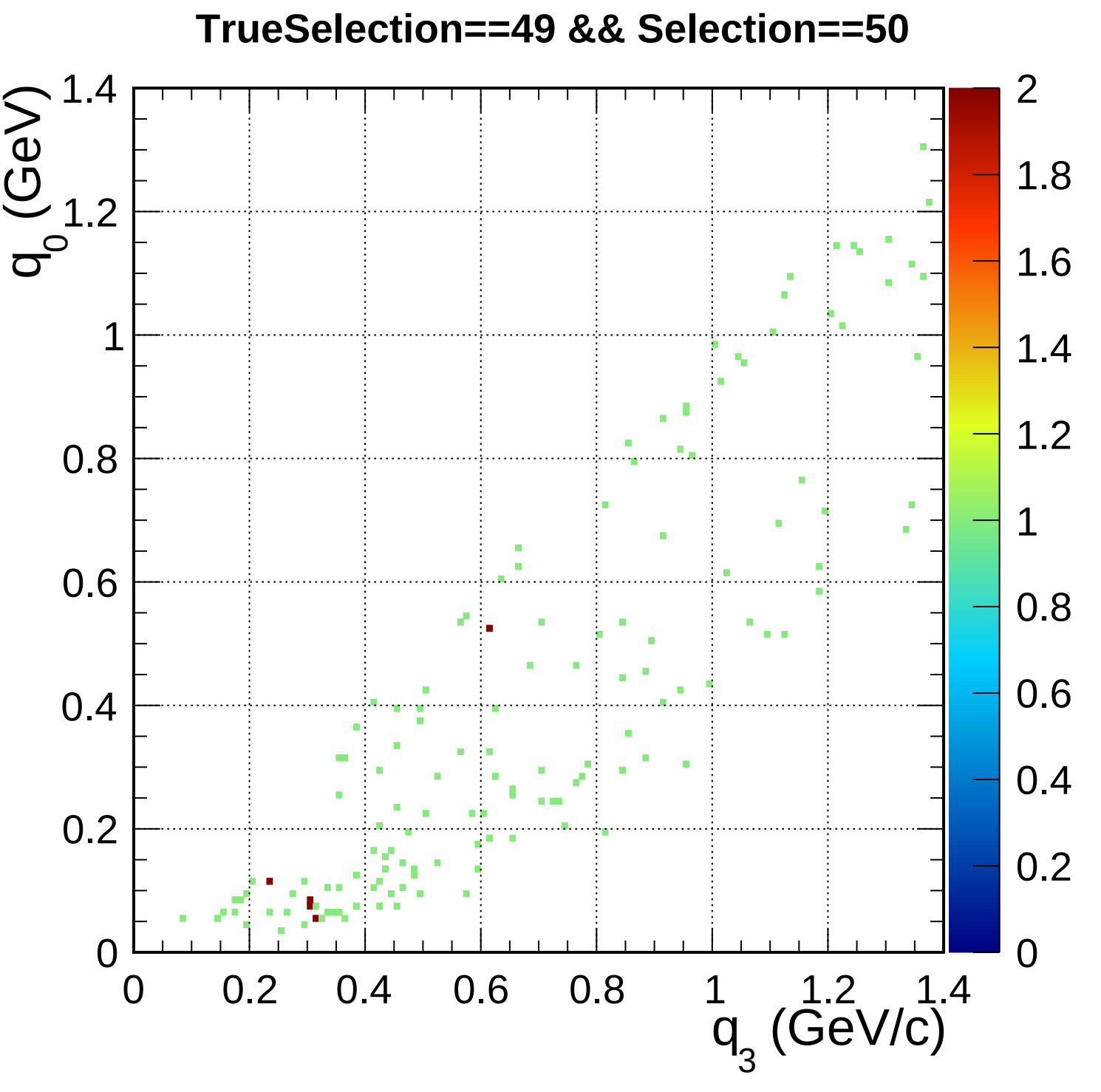

(TrueSelection==49 && Selection==44)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

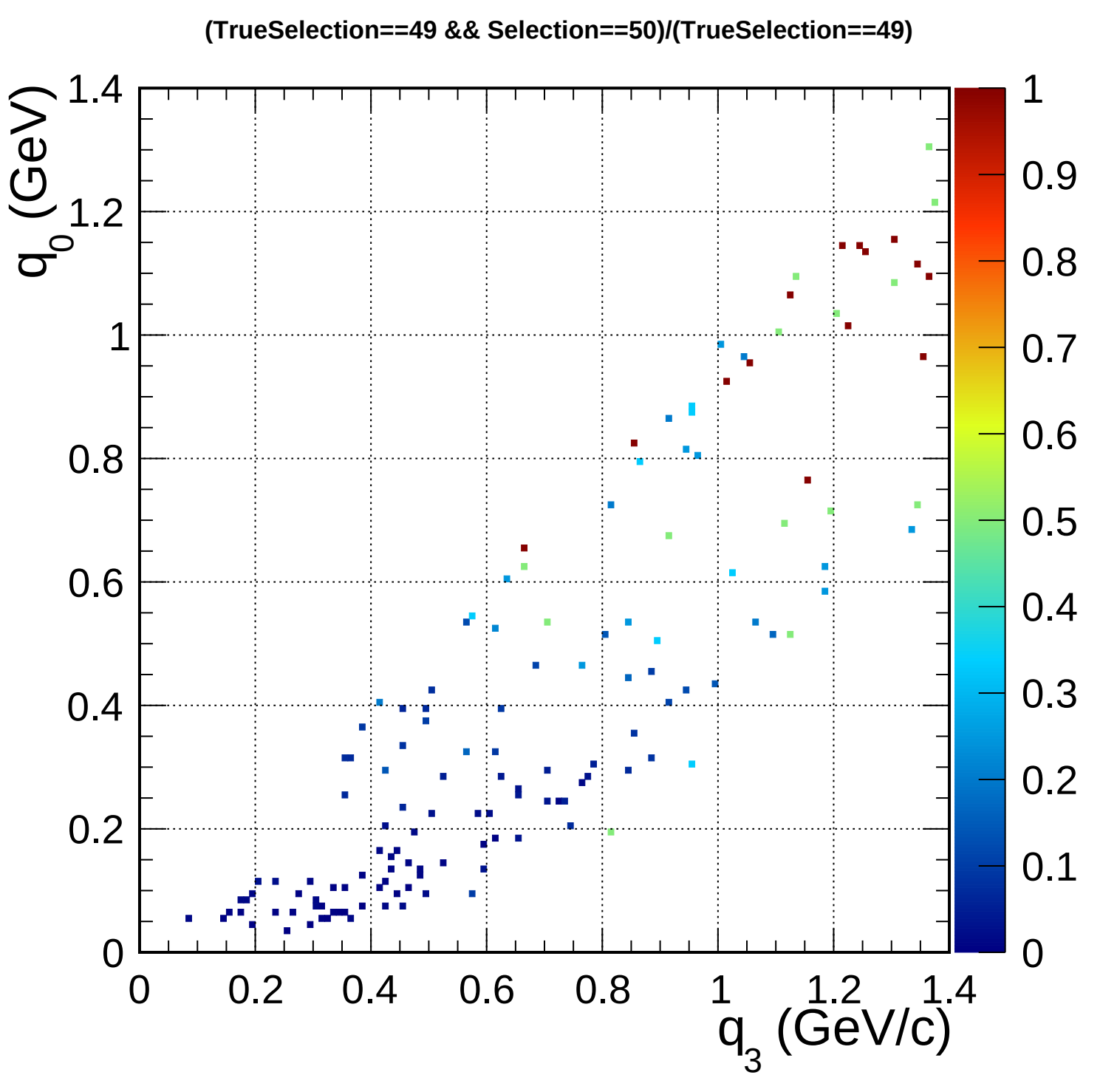

TrueSelection==49 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

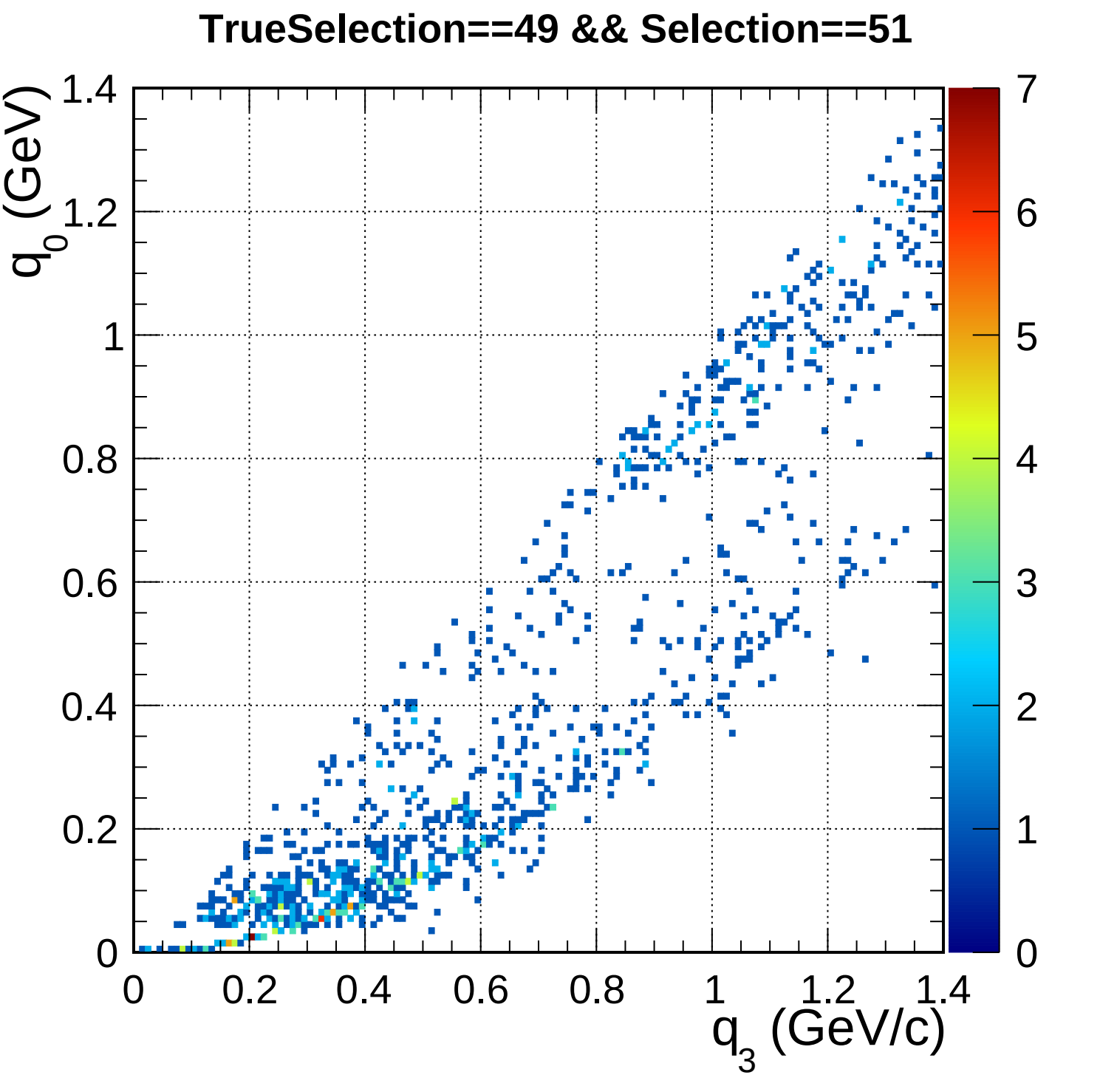

(TrueSelection==49 && Selection==45)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

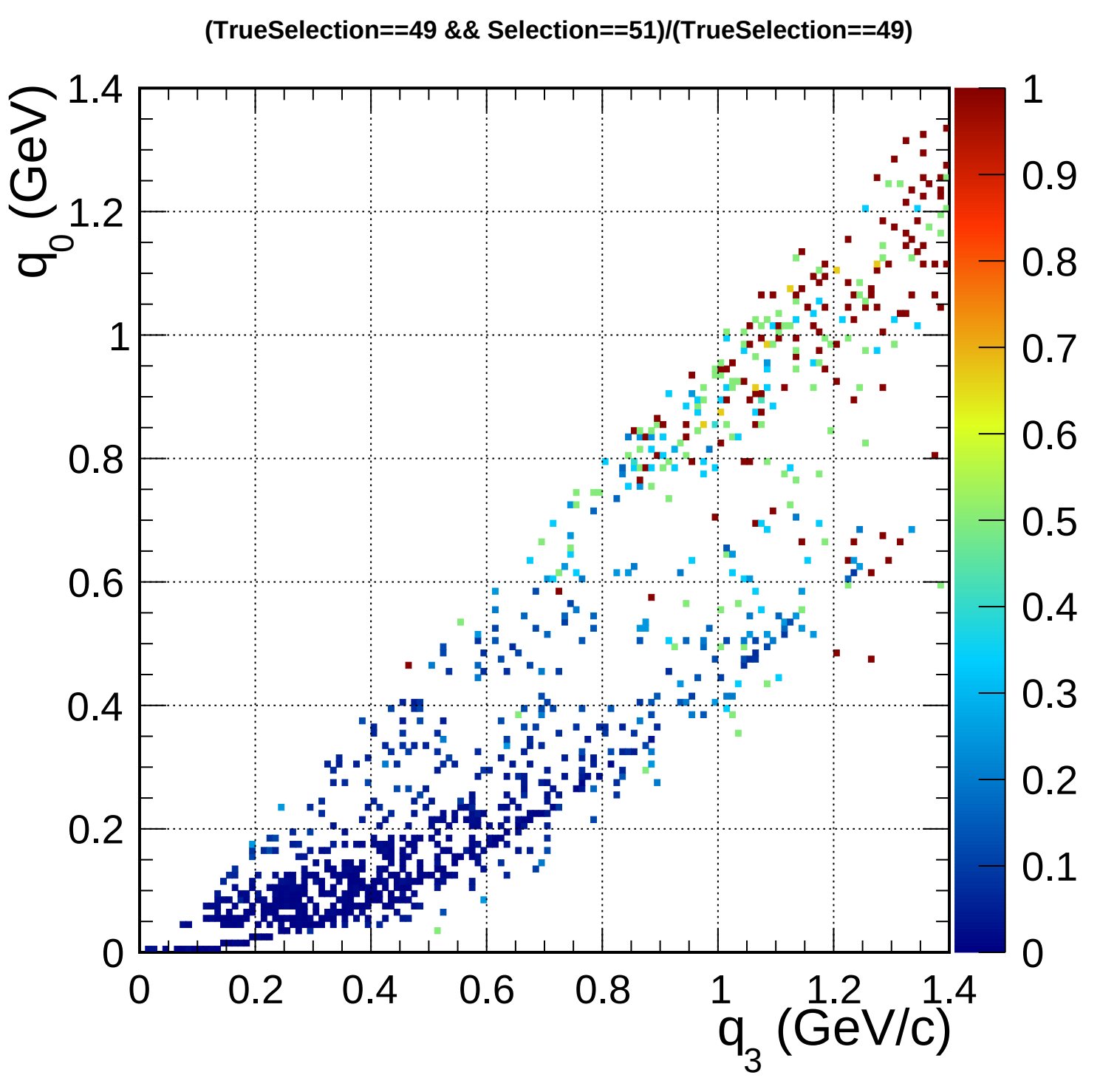

TrueSelection==49 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350

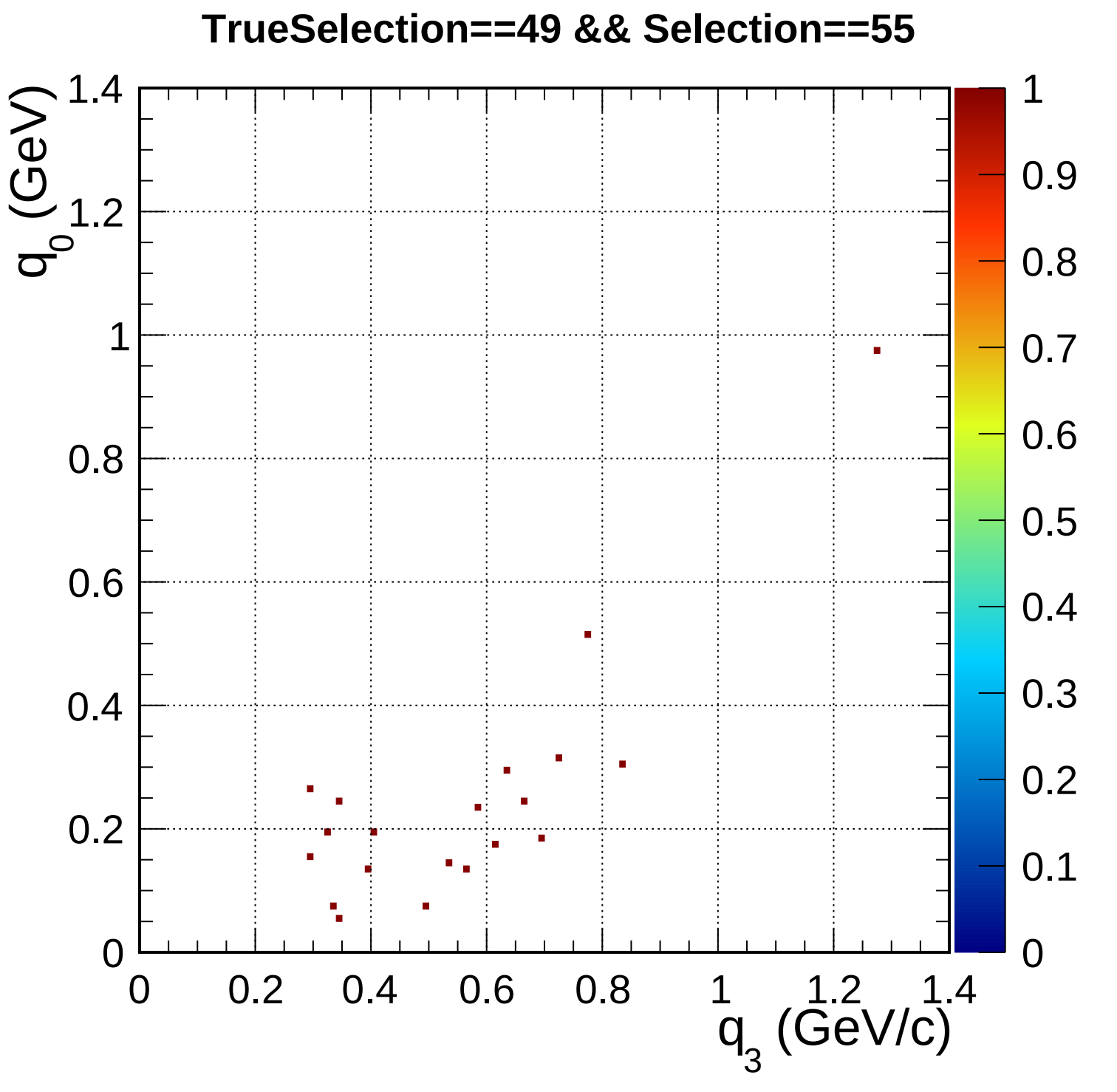

(TrueSelection==49 && Selection==49)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

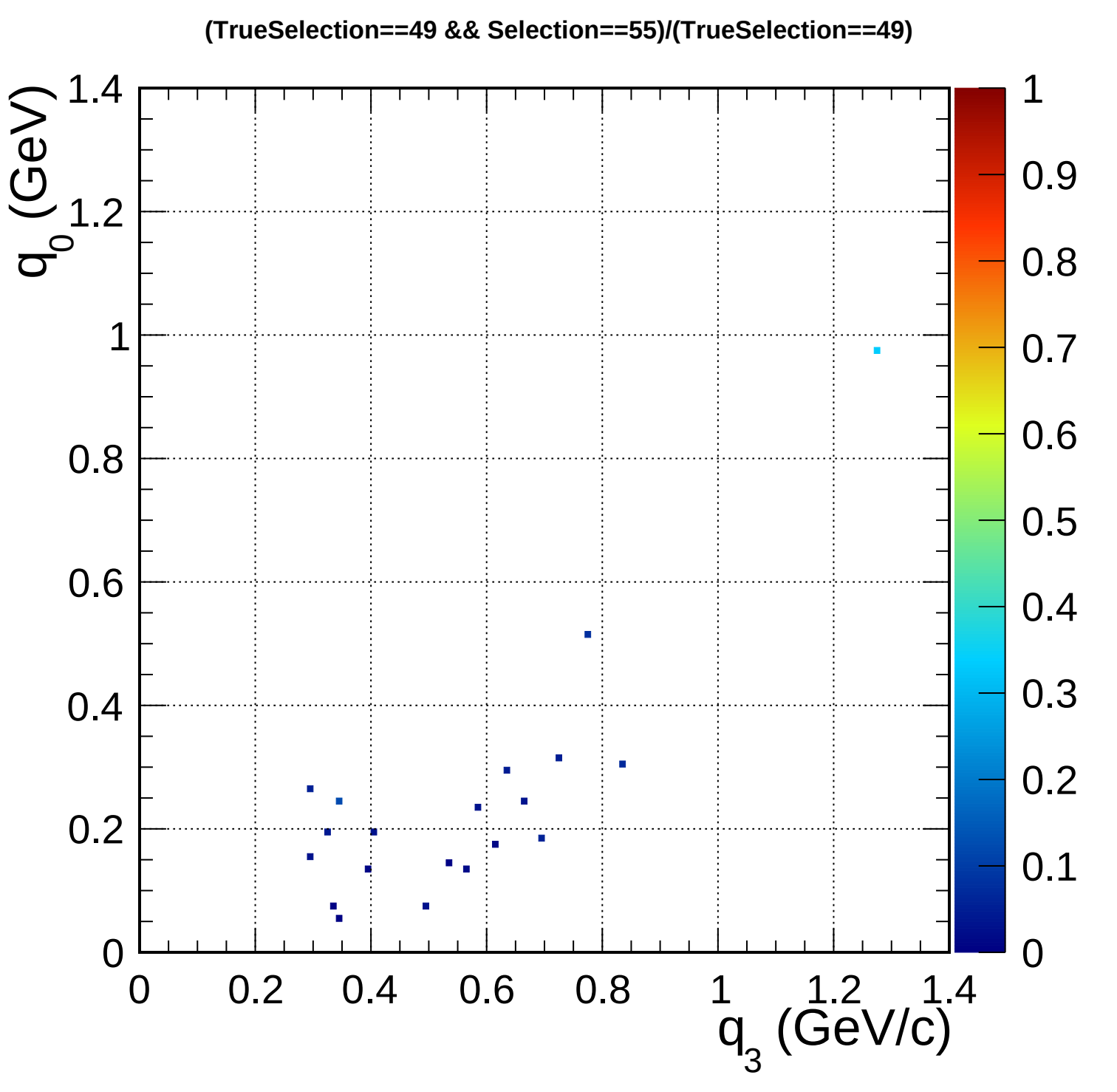

TrueSelection==49 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

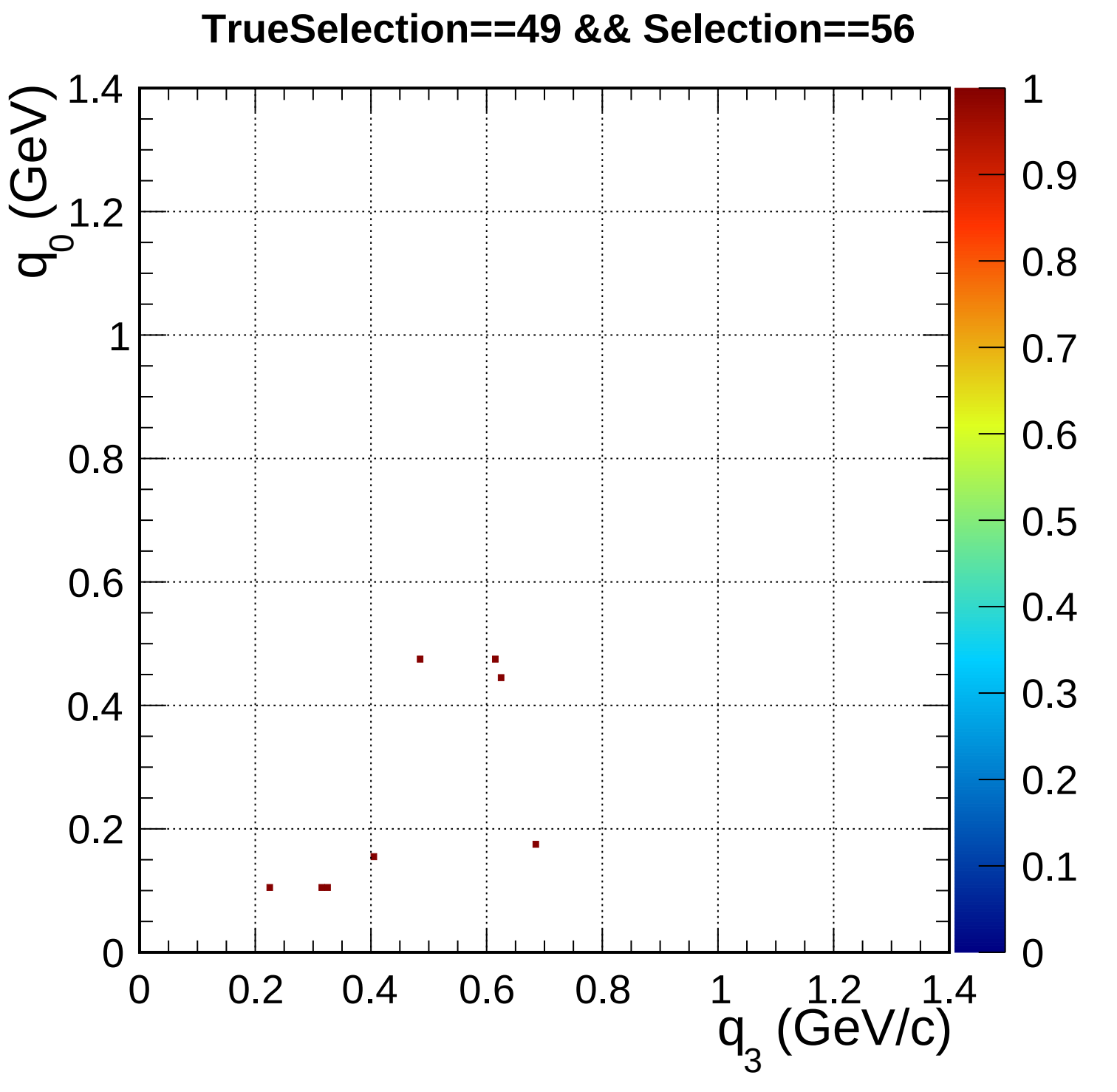

(TrueSelection==49 && Selection==50)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

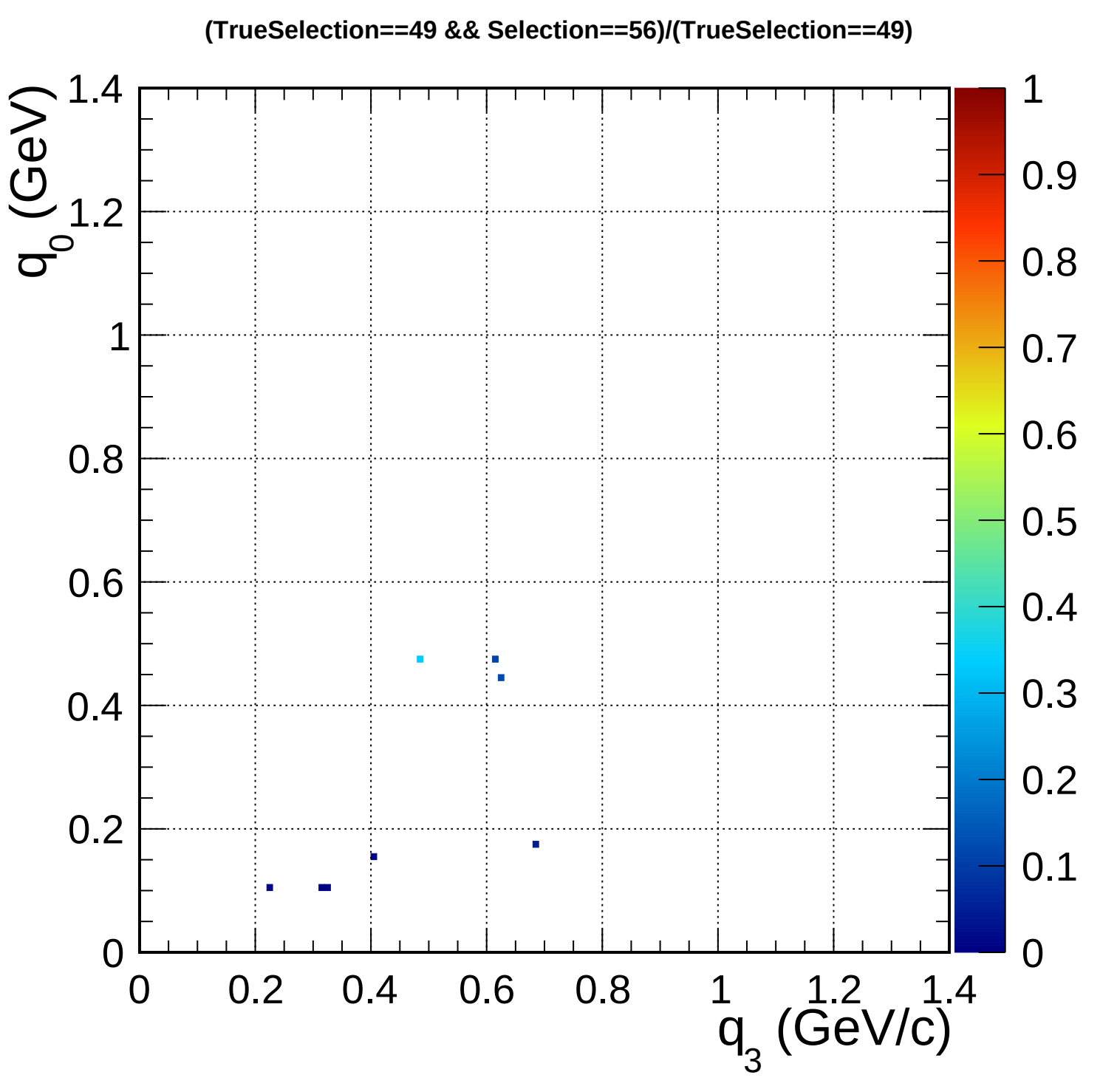

TrueSelection==49 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

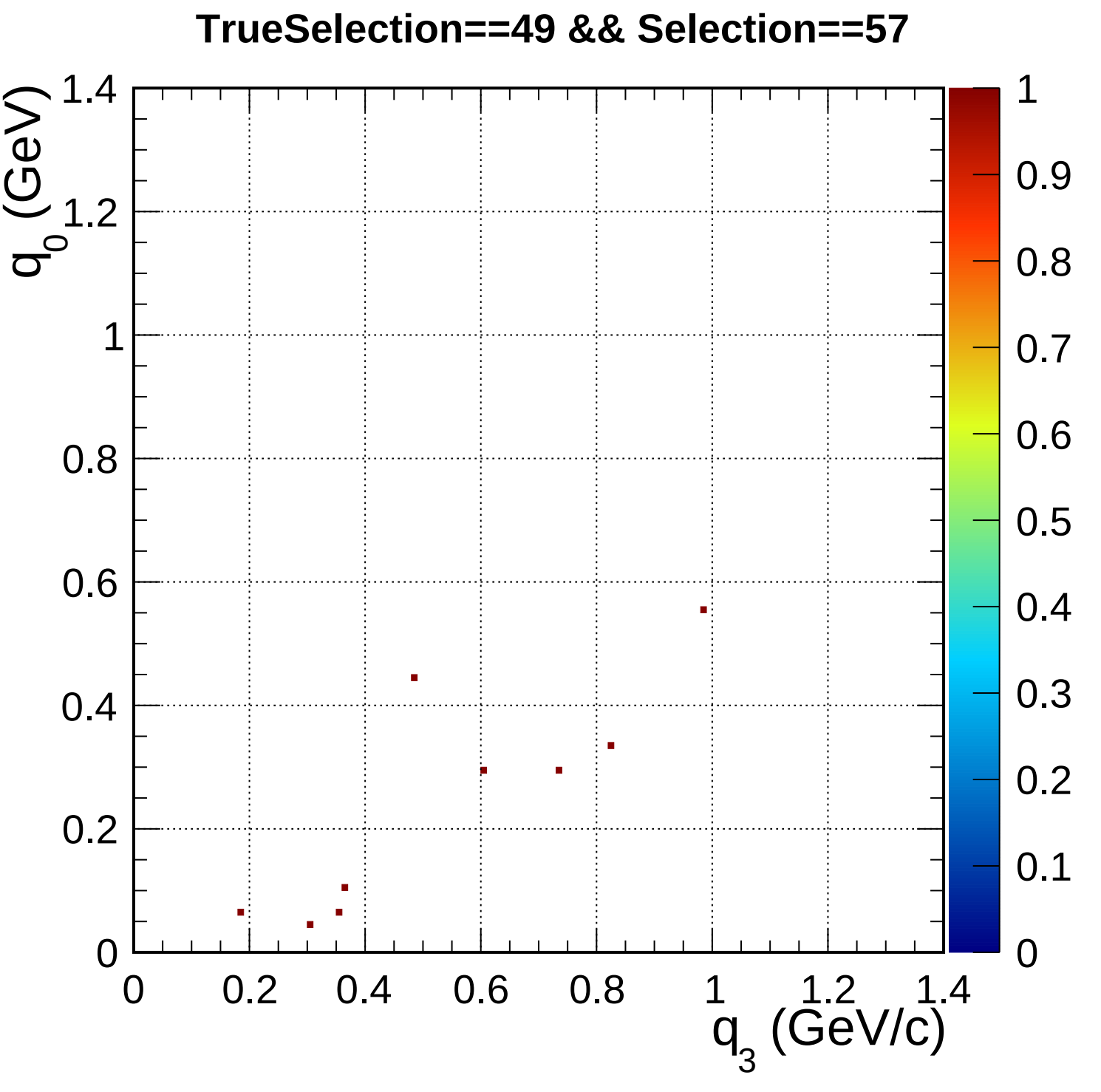

(TrueSelection==49 && Selection==51)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

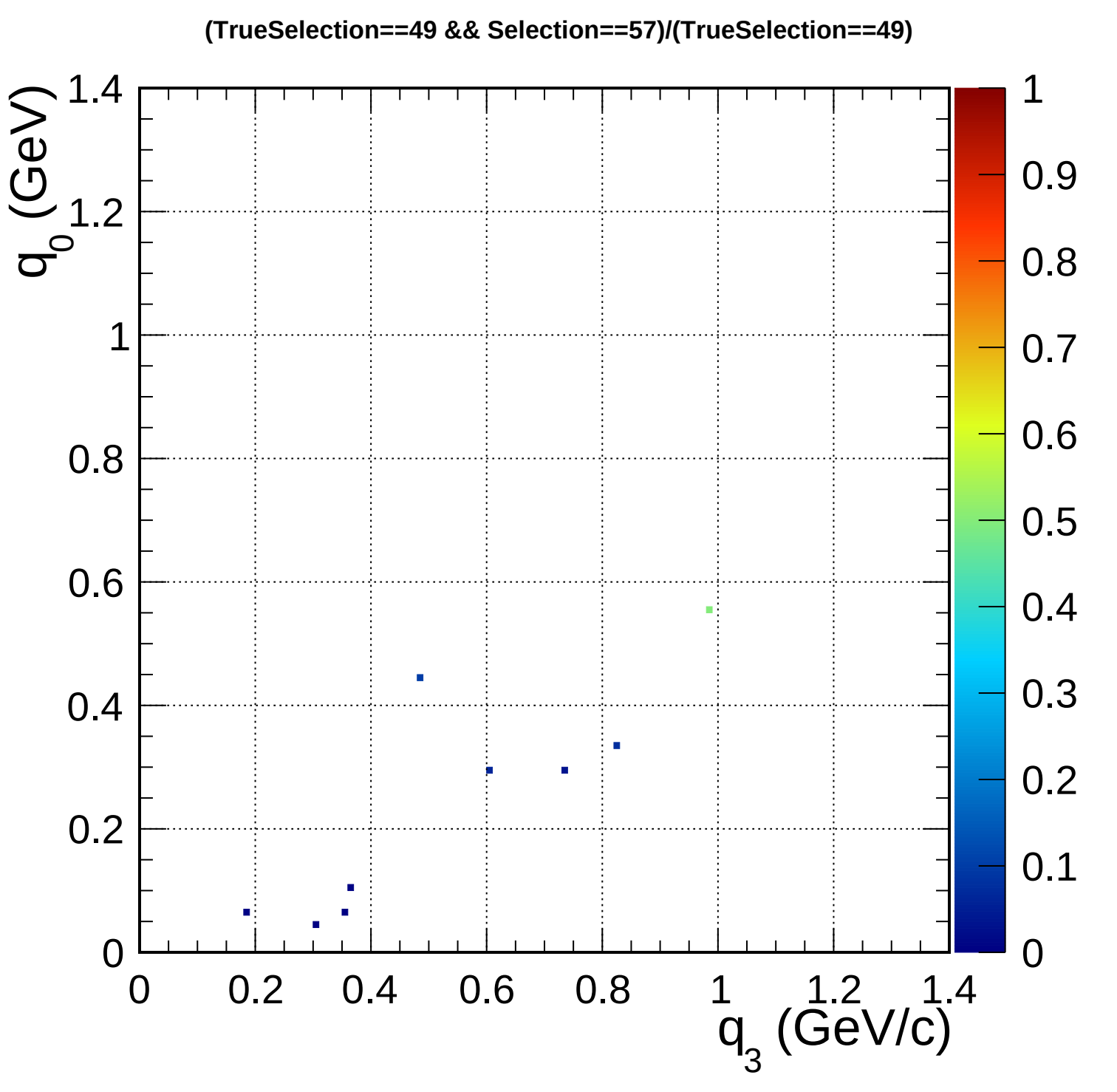

TrueSelection==49 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

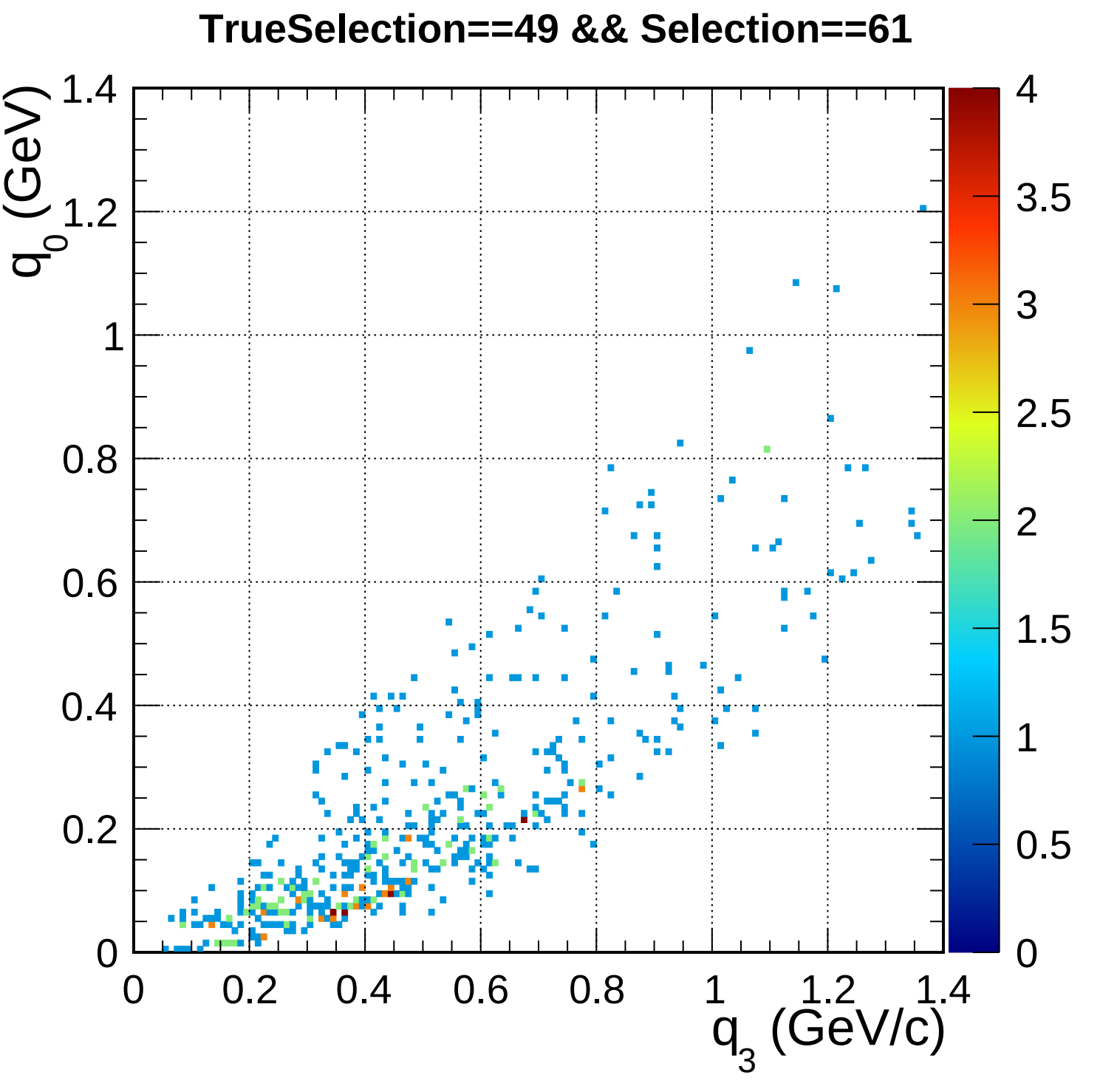

(TrueSelection==49 && Selection==55)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

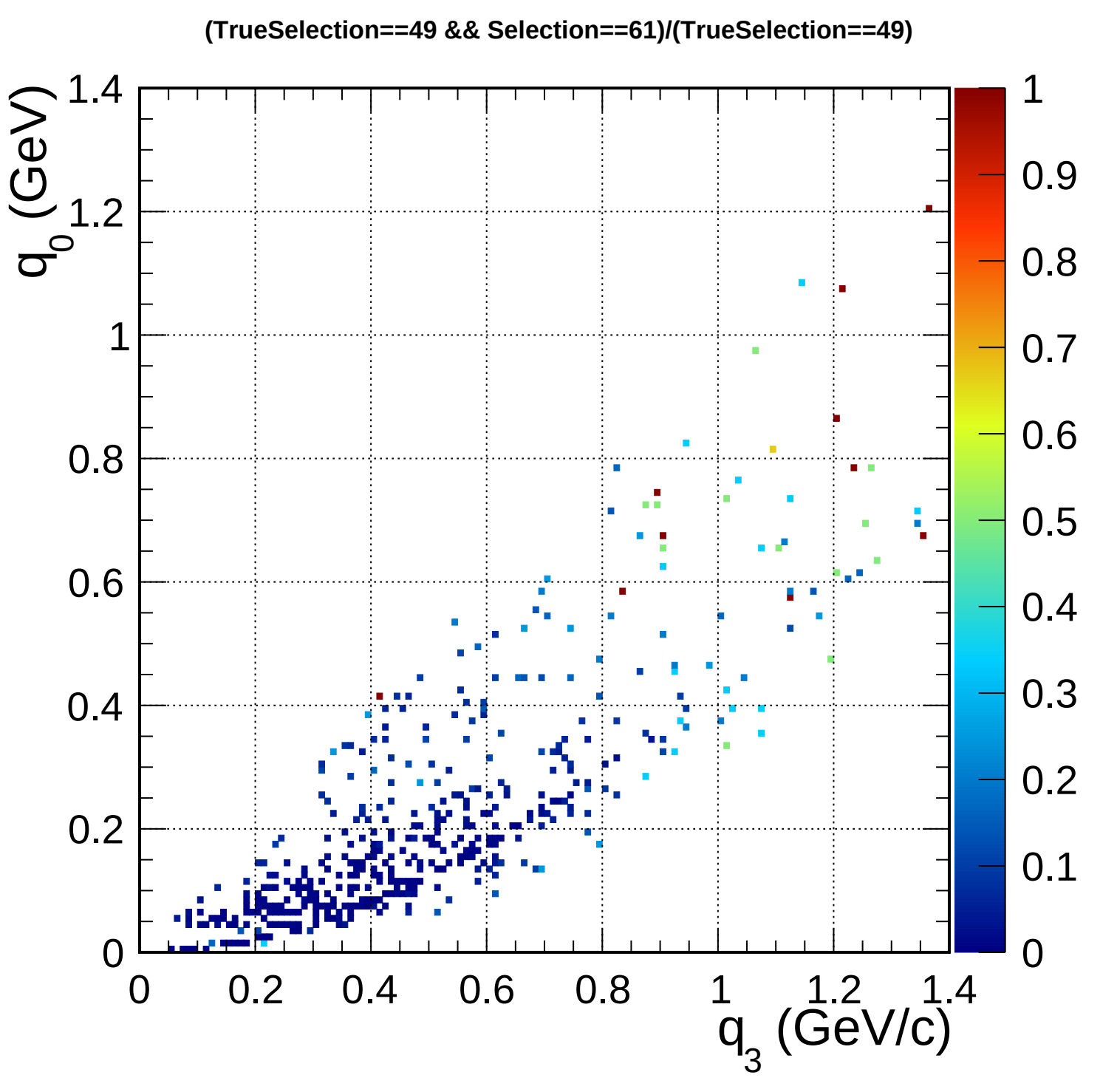

TrueSelection==49 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

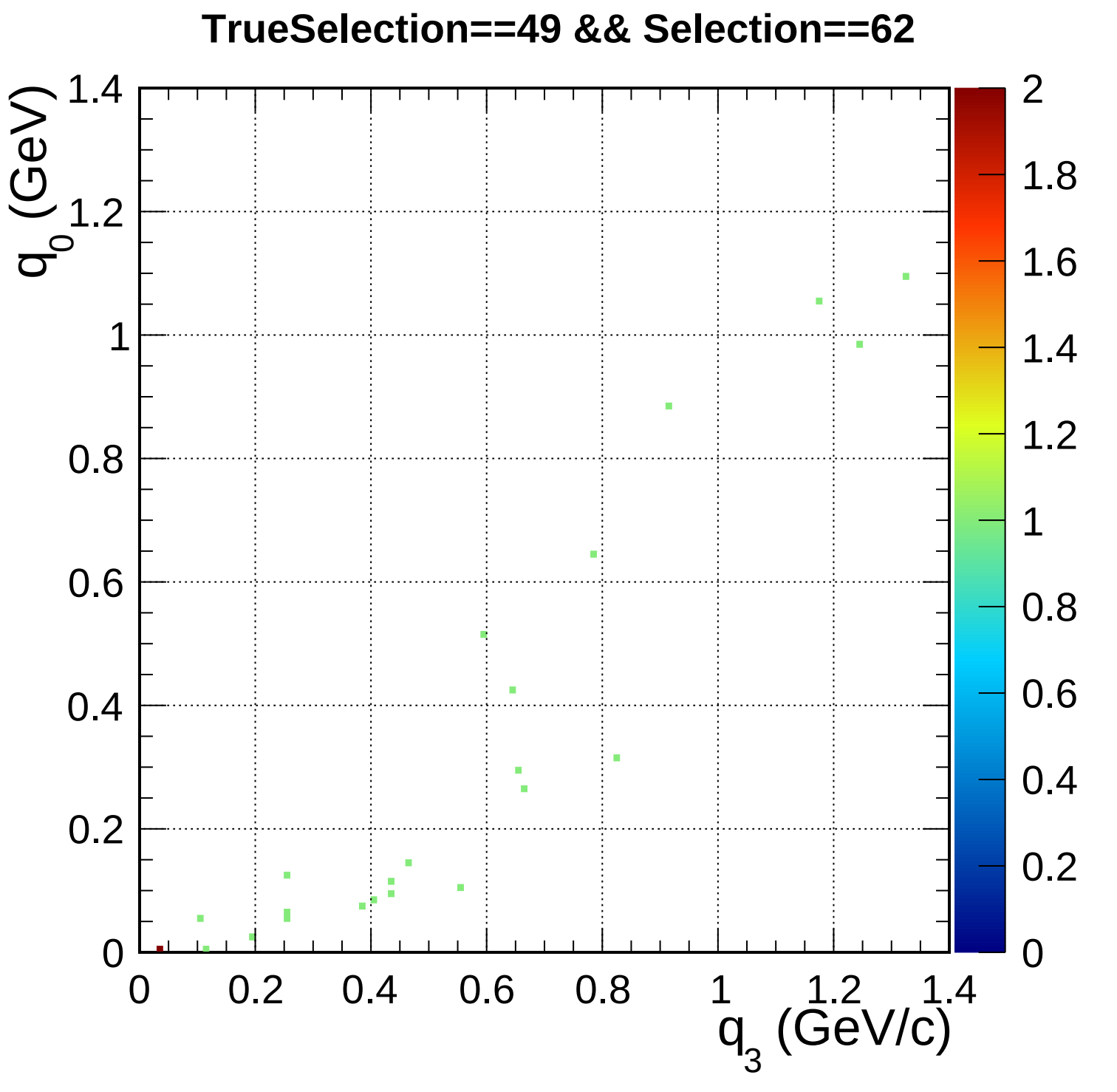

(TrueSelection==49 && Selection==56)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

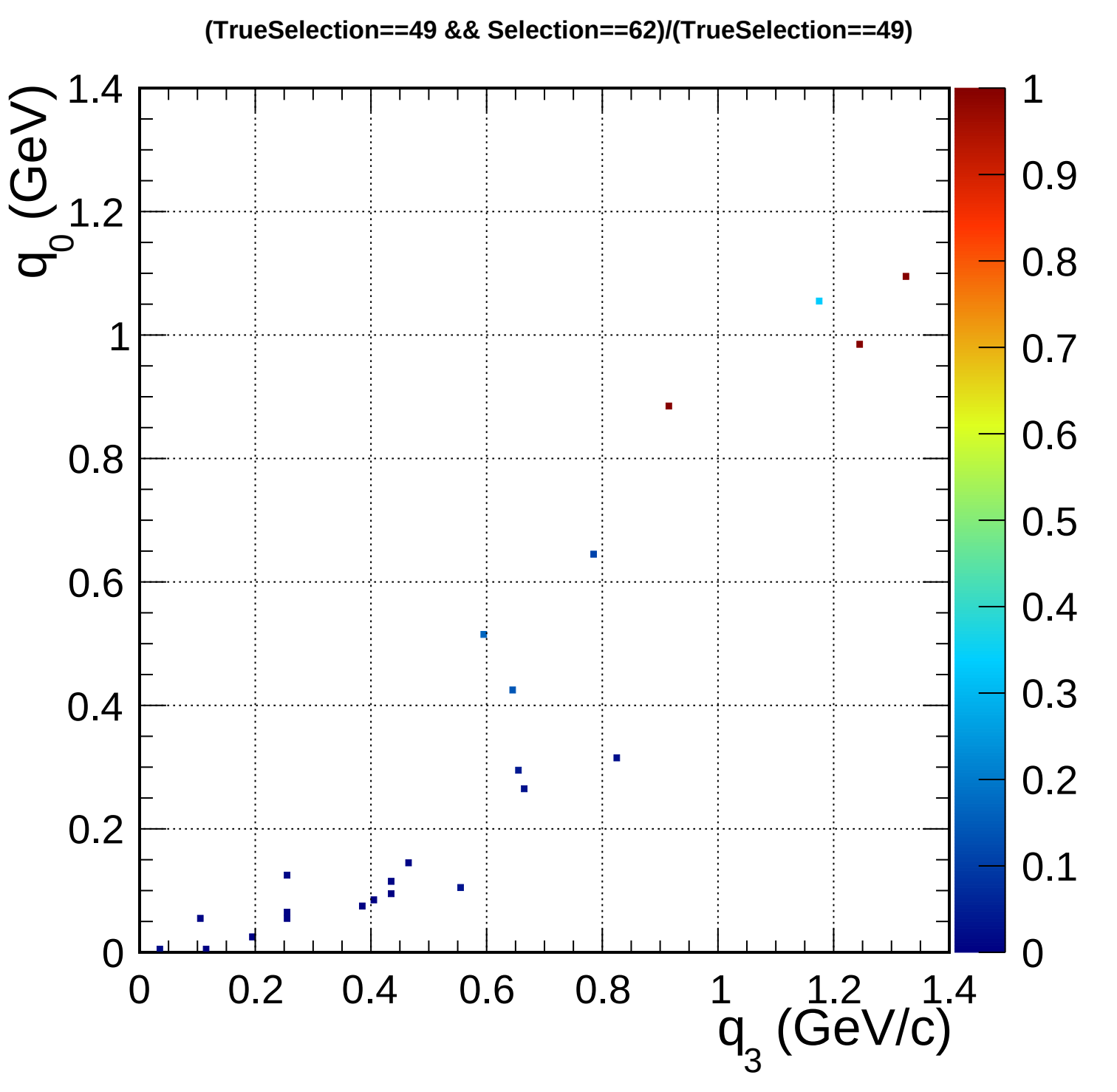

TrueSelection==49 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

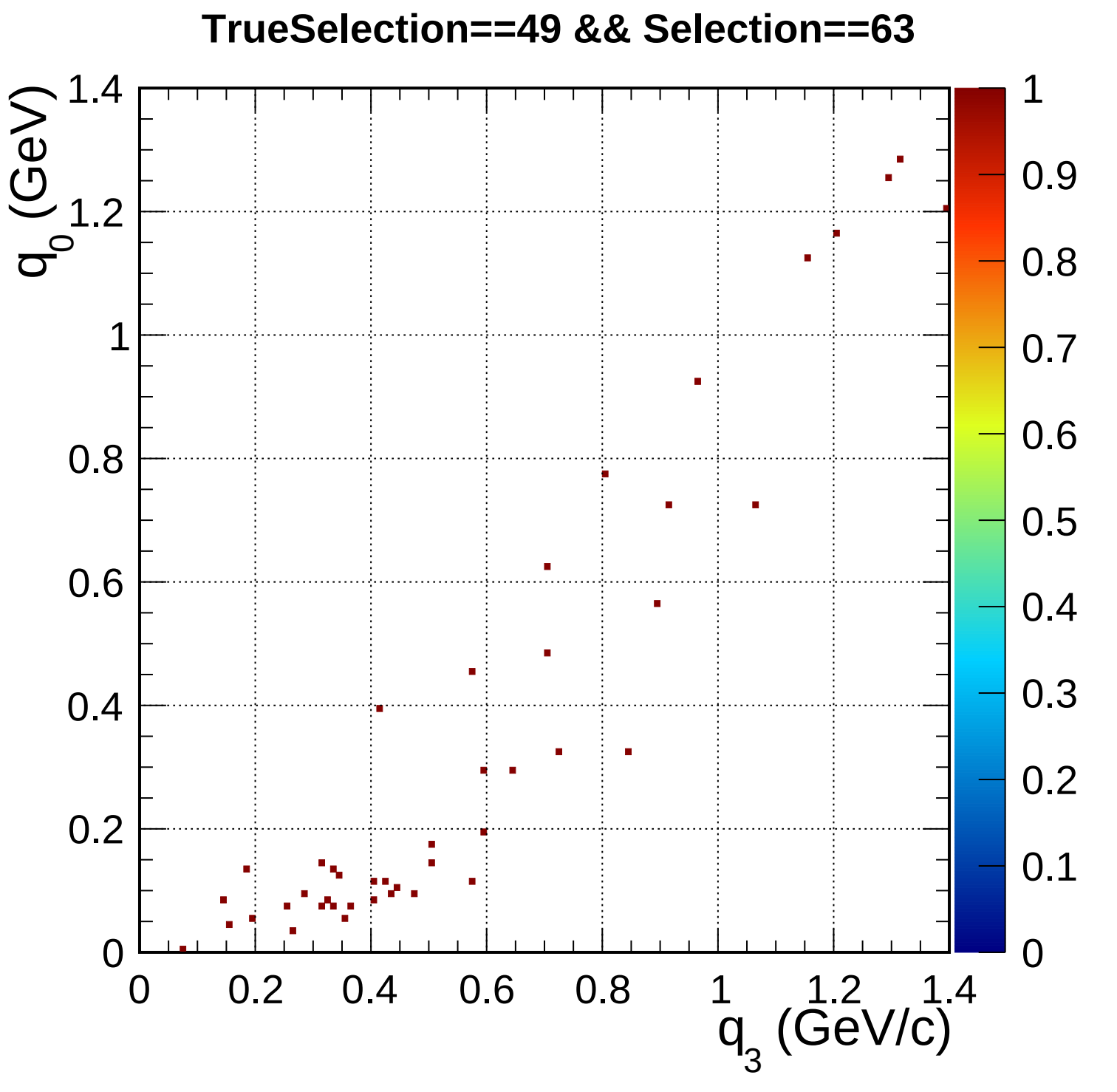

(TrueSelection==49 && Selection==57)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

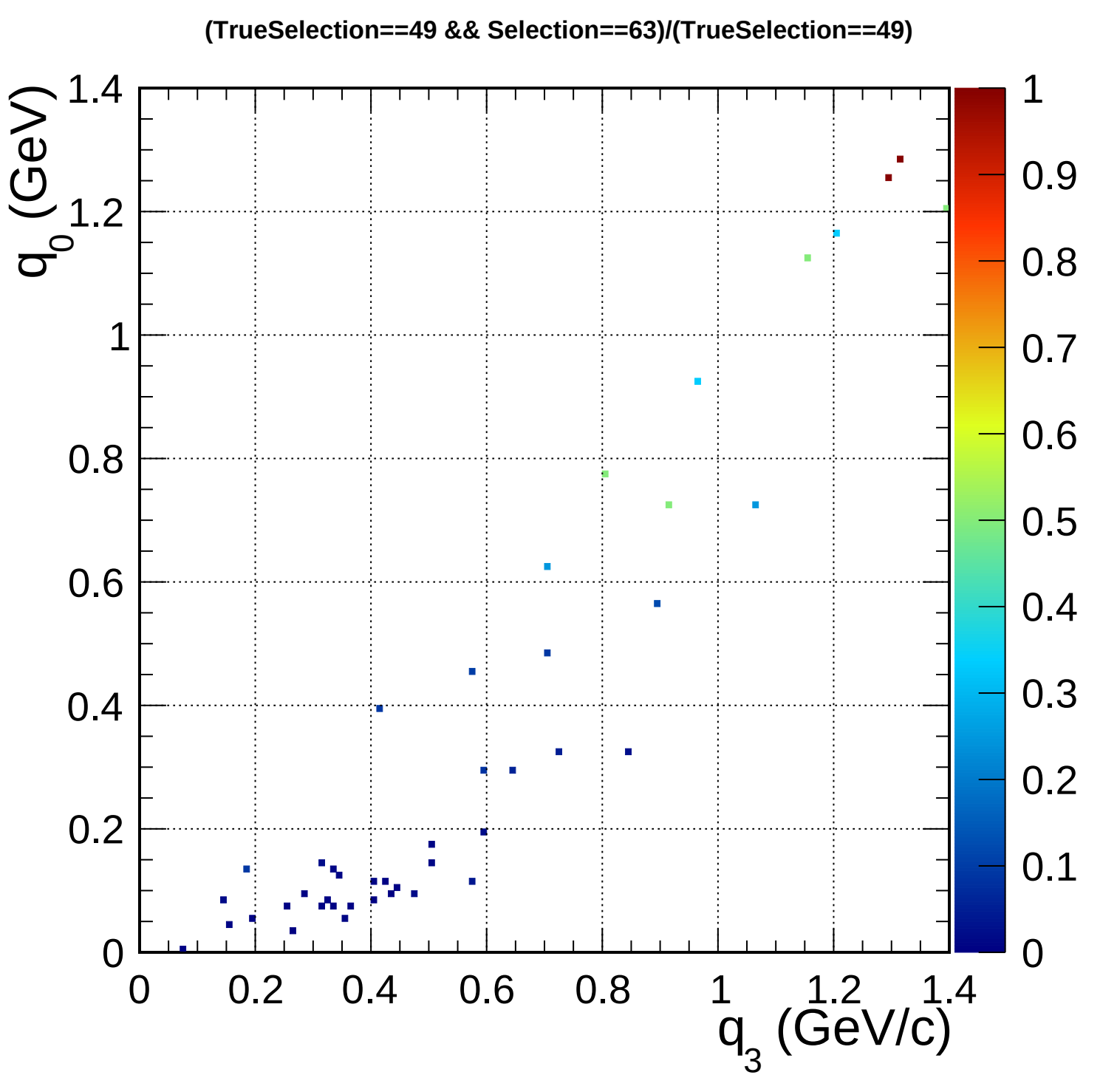

TrueSelection==49 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

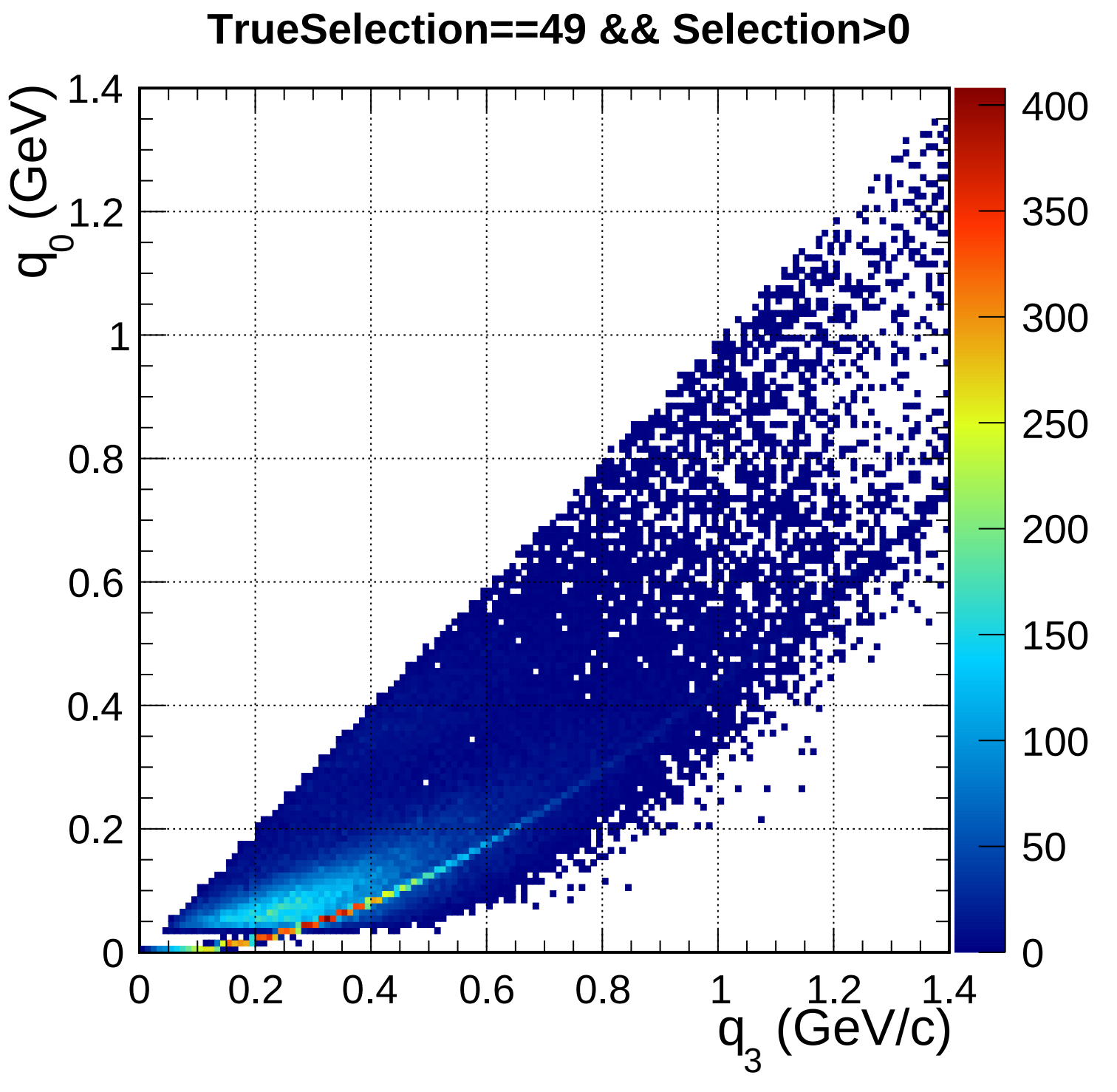

(TrueSelection==49 && Selection==61)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

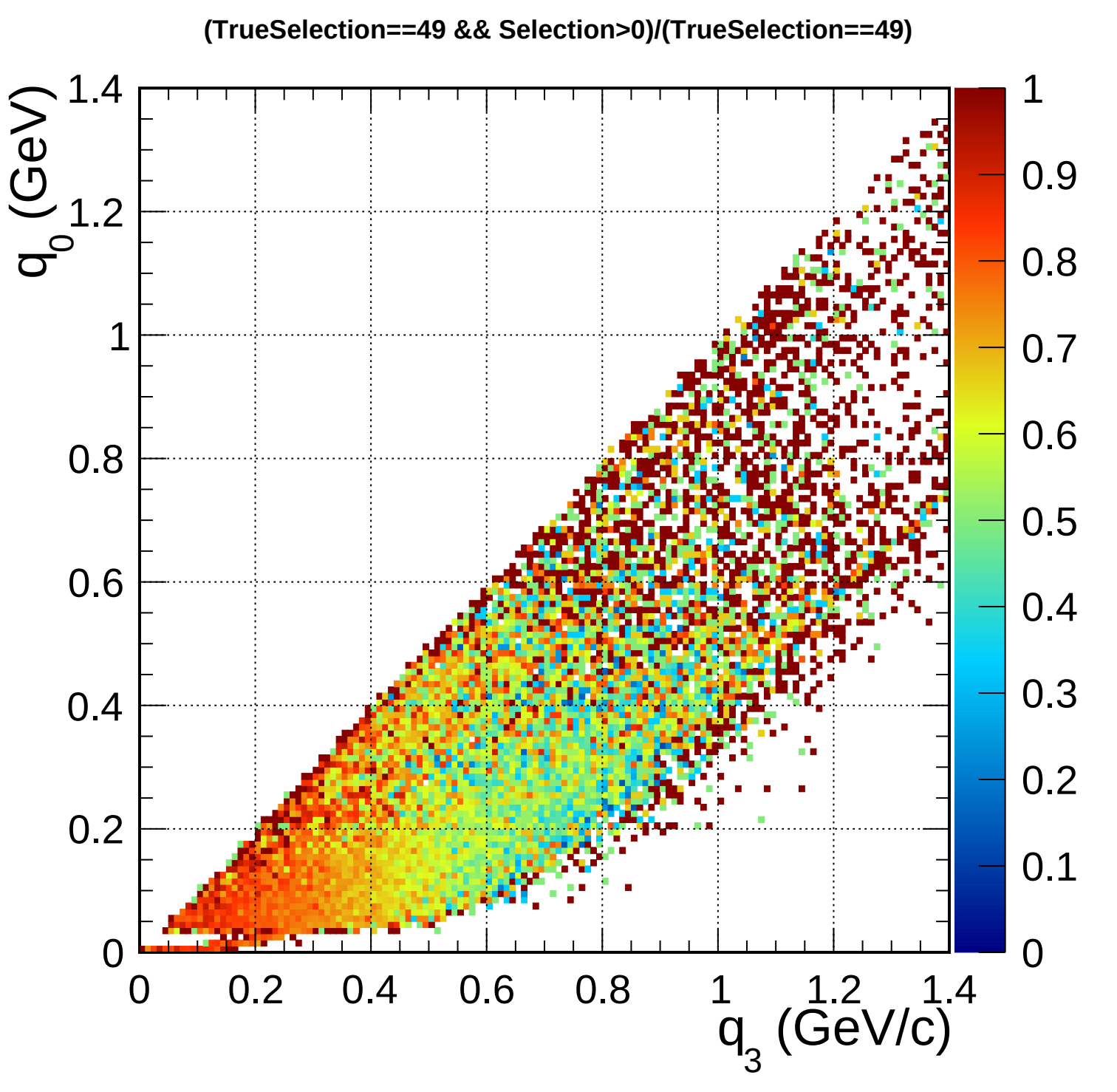

TrueSelection==49 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

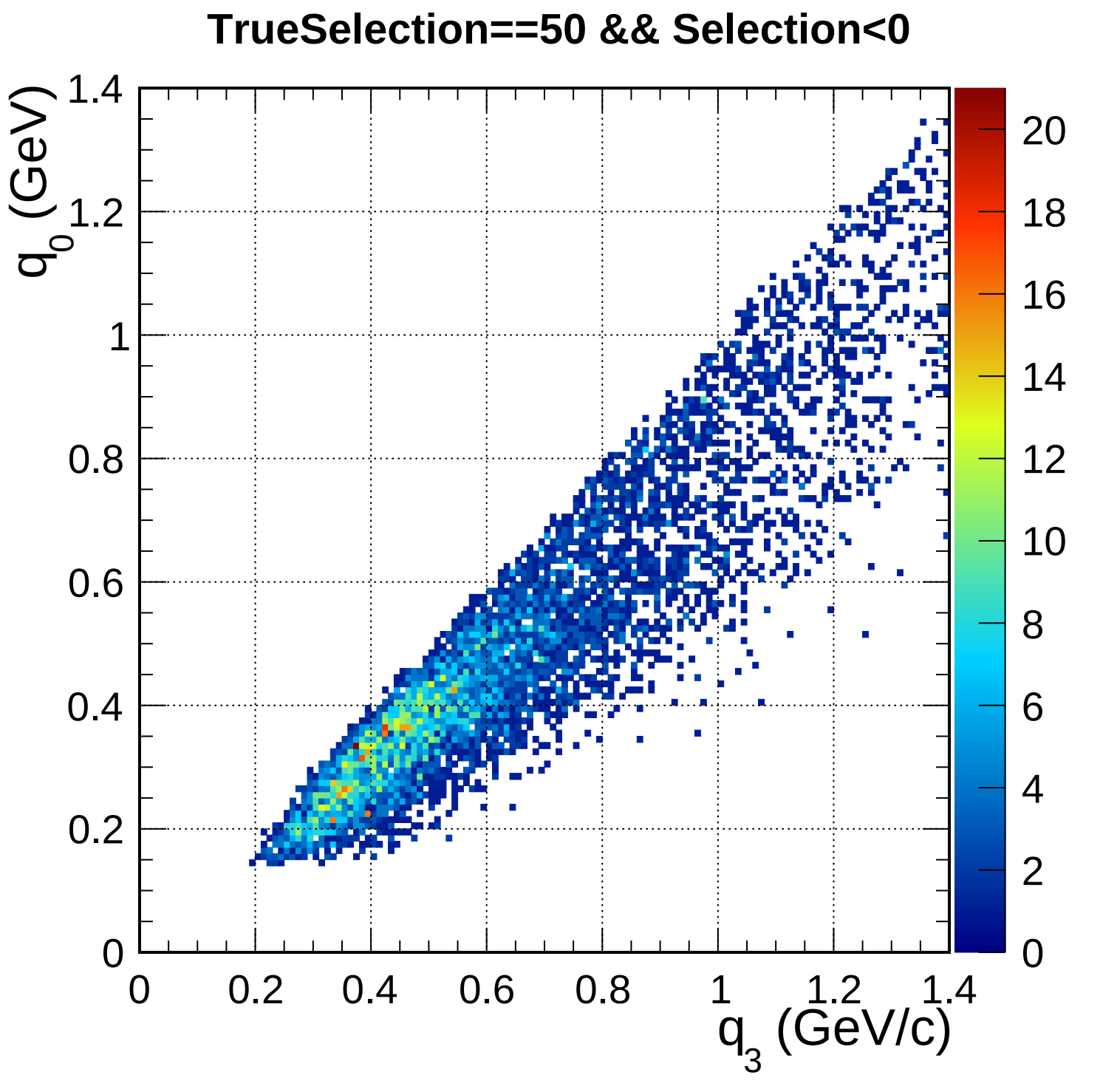

(TrueSelection==49 && Selection==62)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

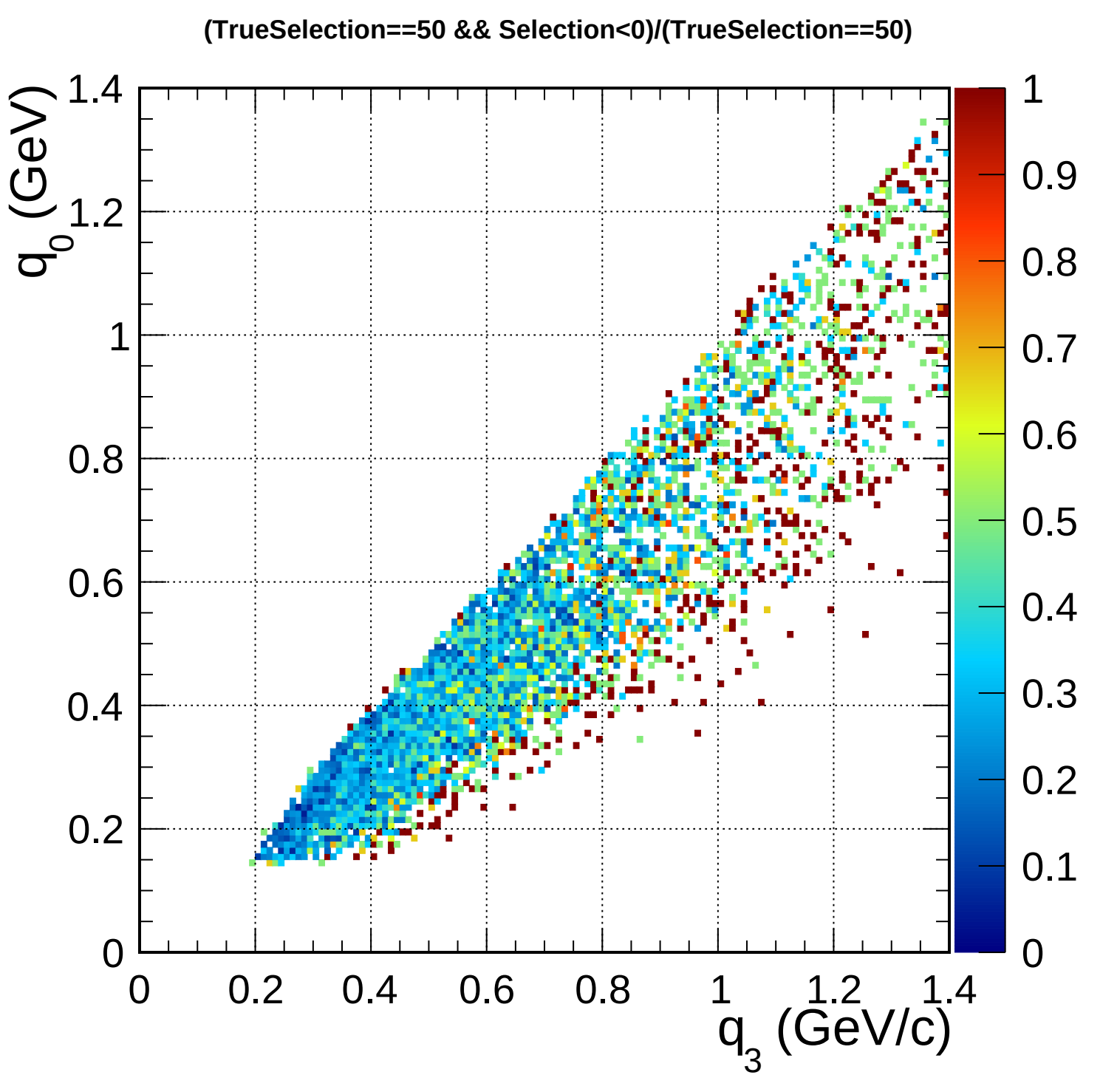

TrueSelection==49 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

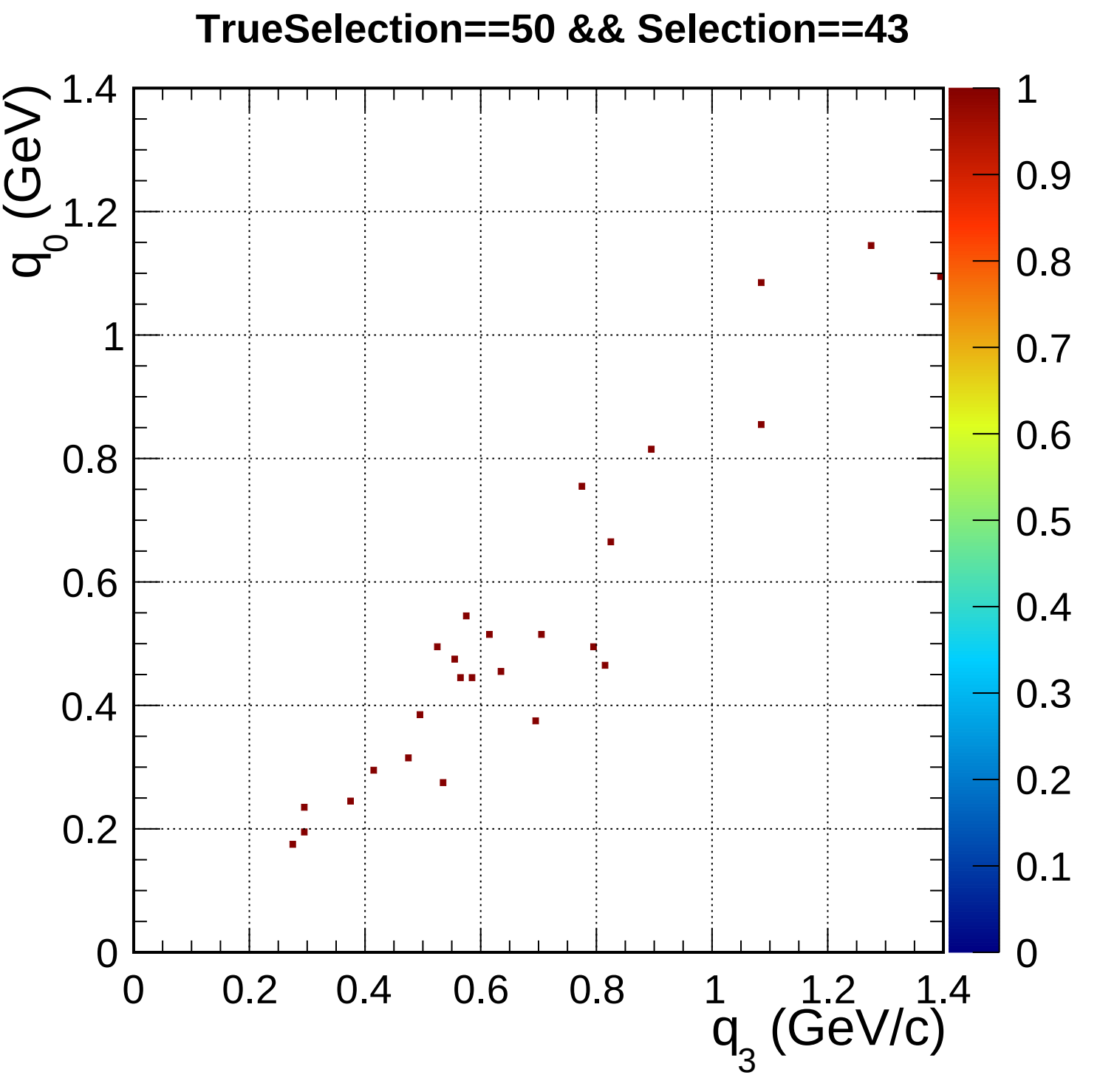

(TrueSelection==49 && Selection==63)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

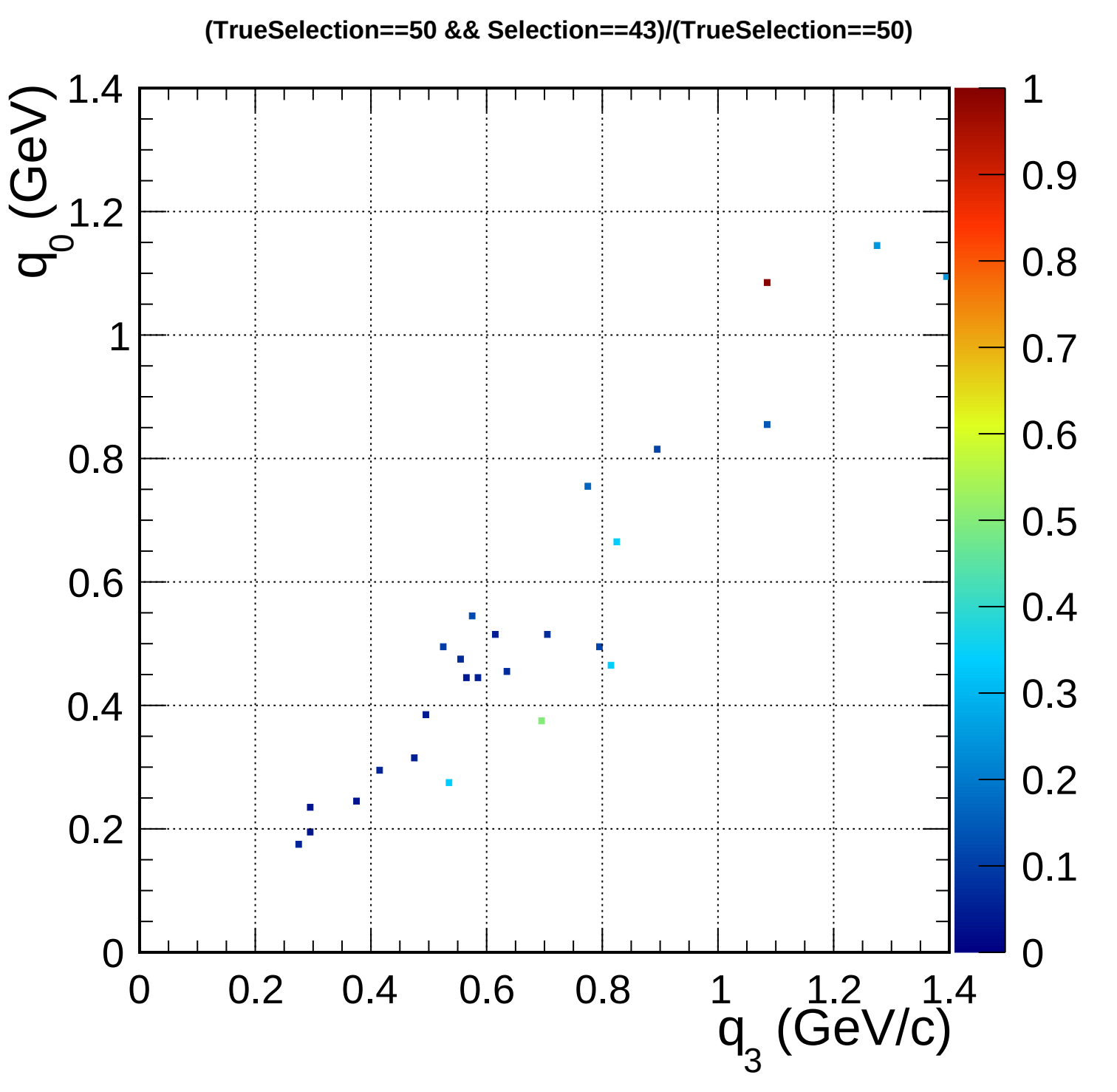

TrueSelection==49 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350
400

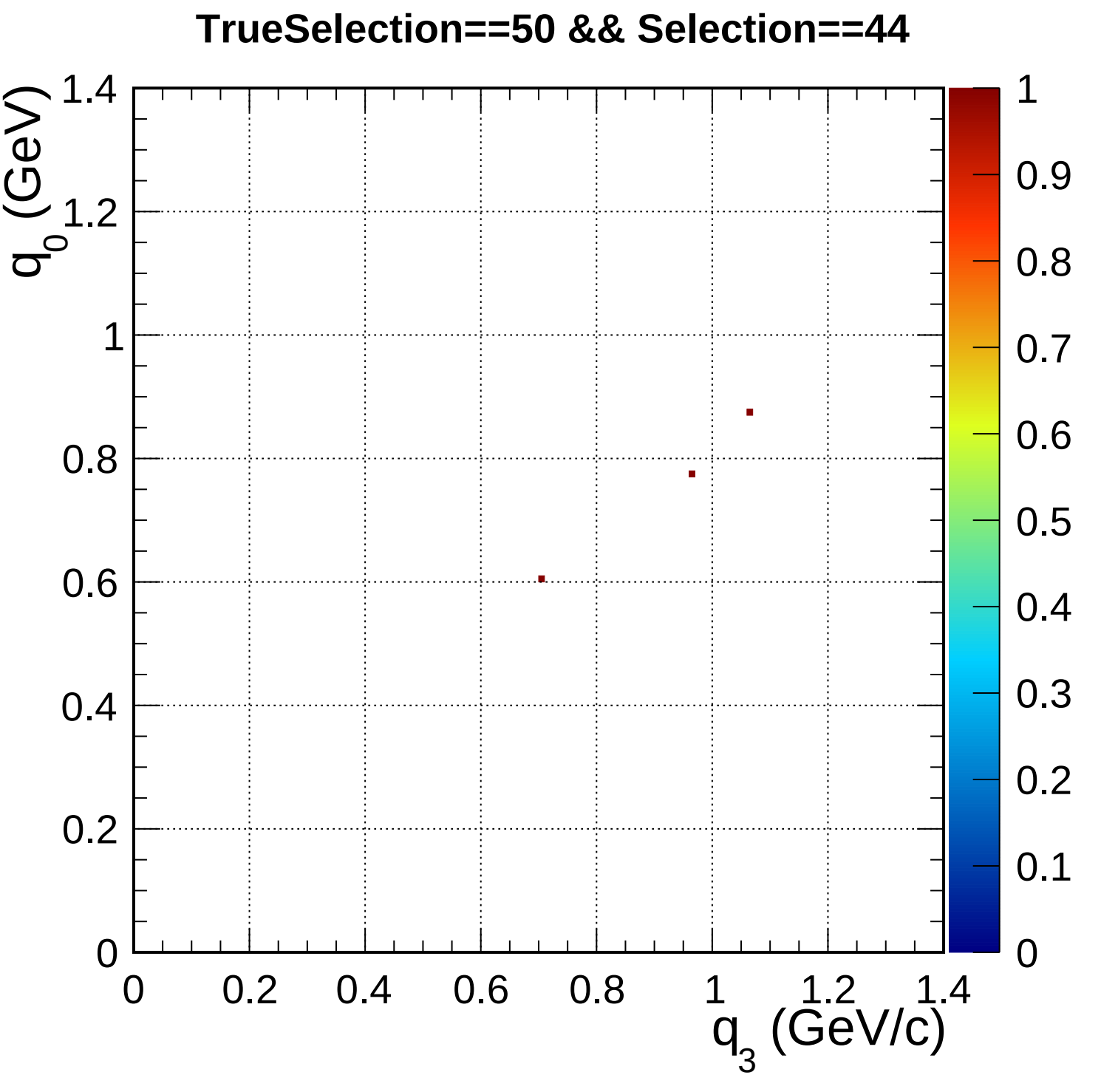

(TrueSelection==49 && Selection>0)/(TrueSelection==49)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

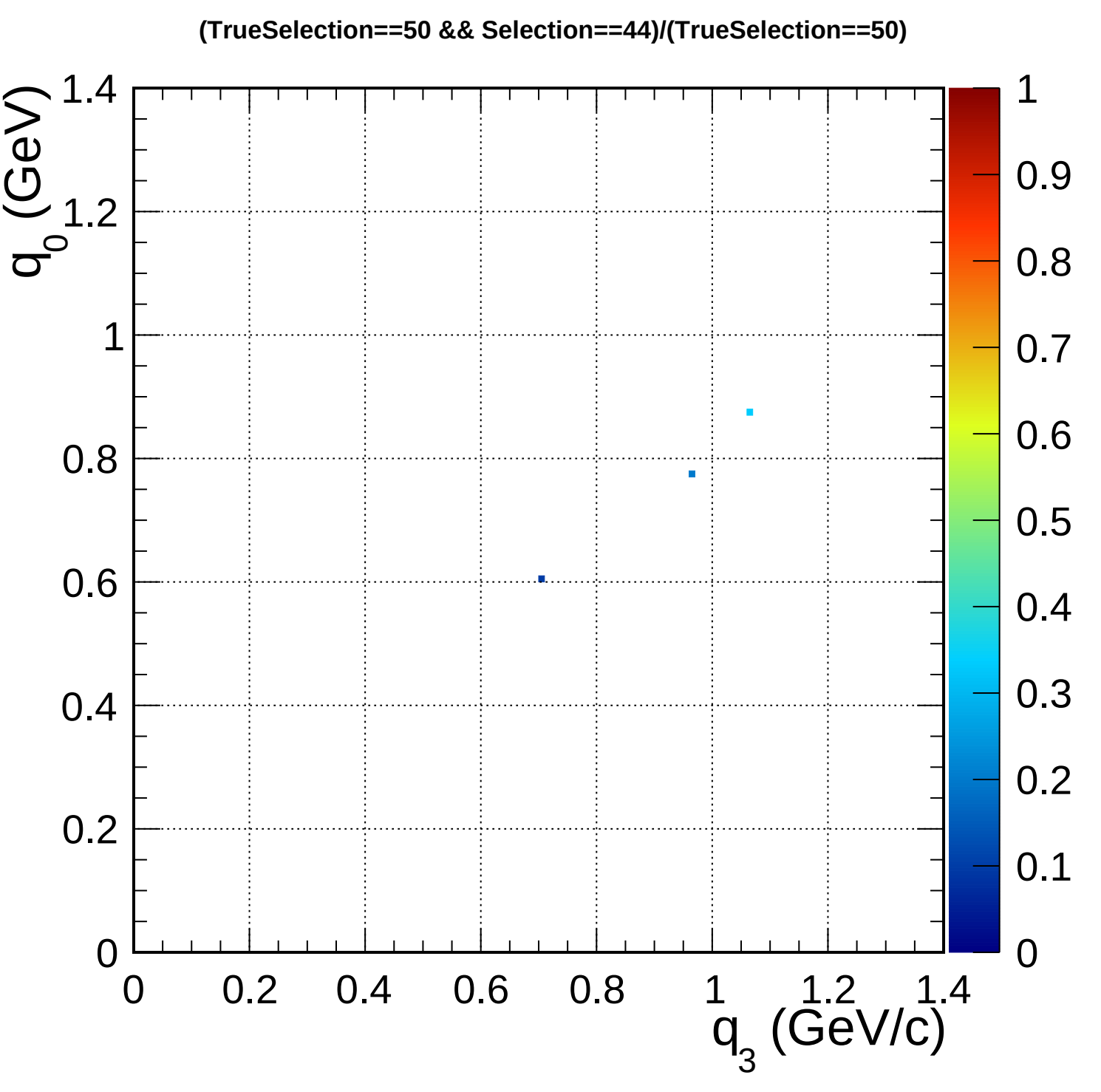

TrueSelection==50 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16
18
20

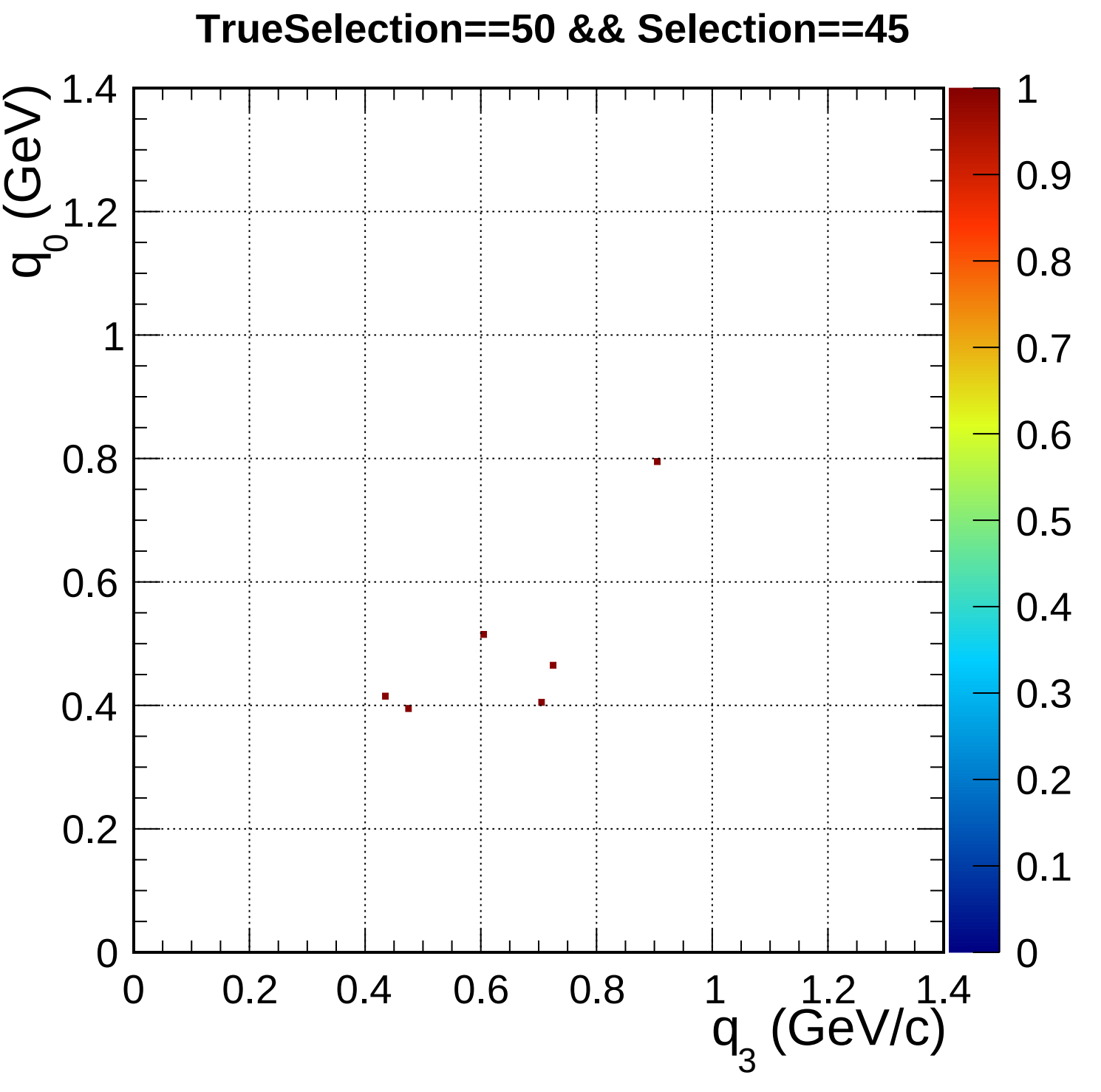

(TrueSelection==50 && Selection<0)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

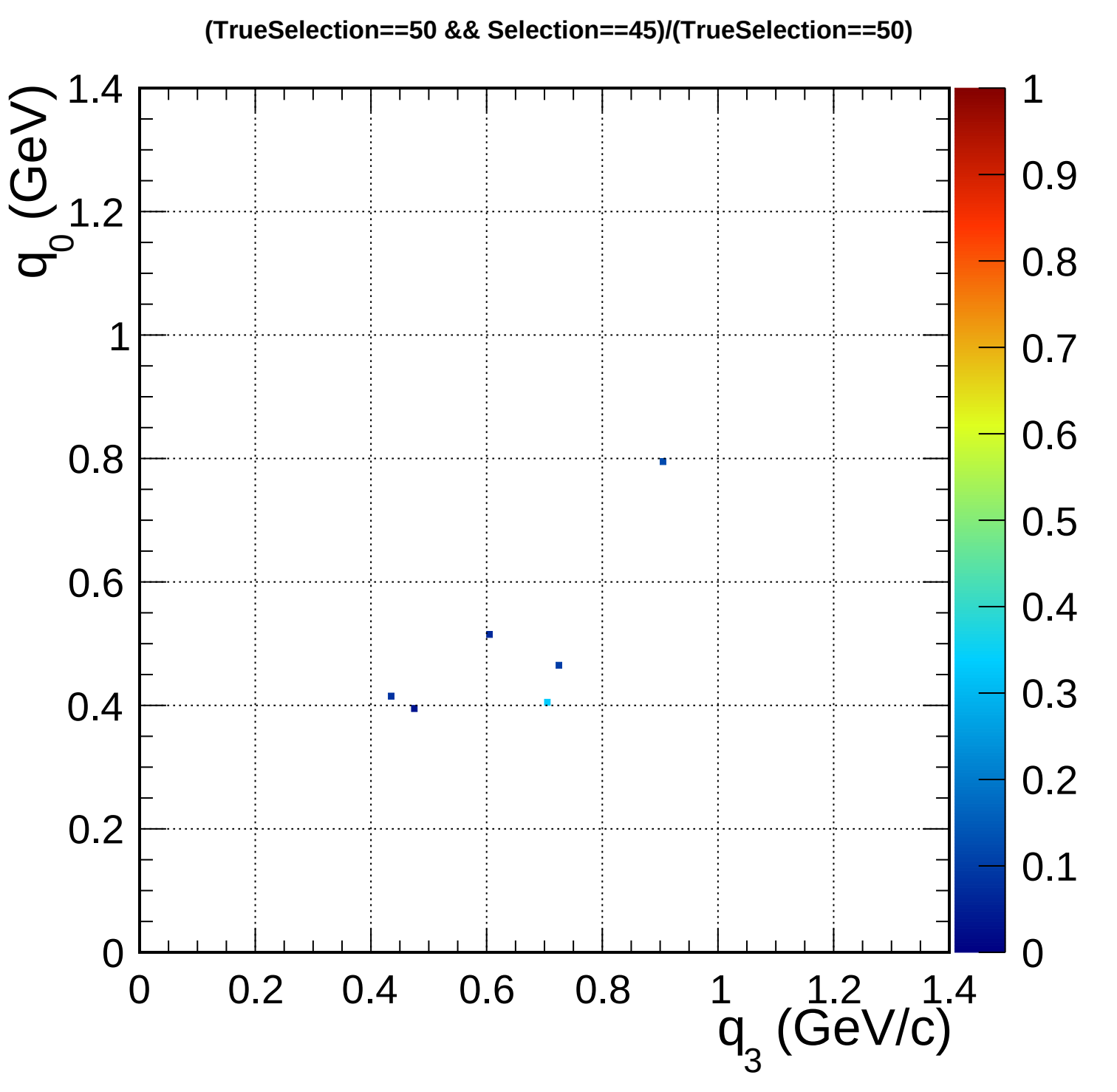

TrueSelection==50 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

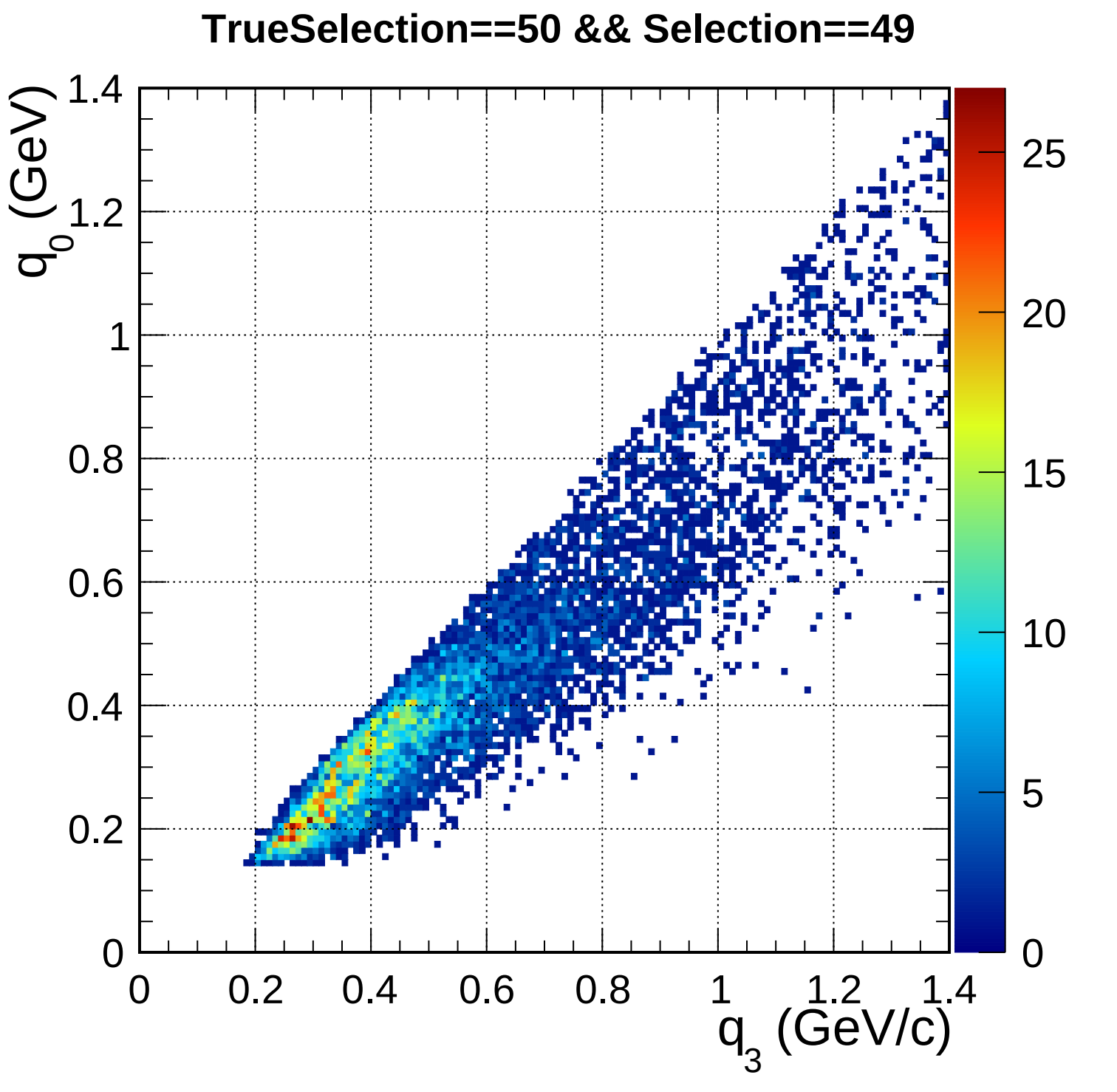

(TrueSelection==50 && Selection==43)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

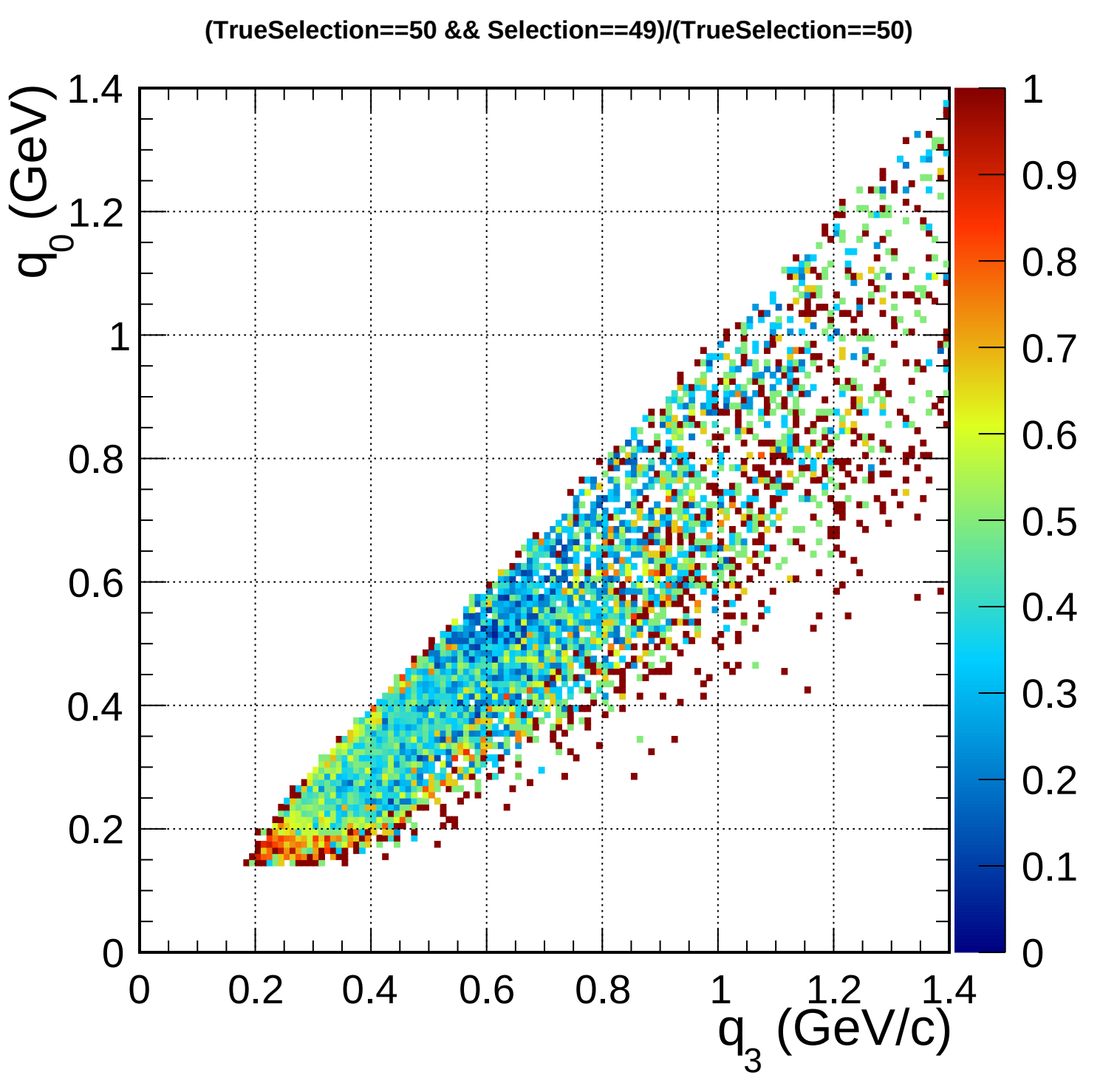

TrueSelection==50 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

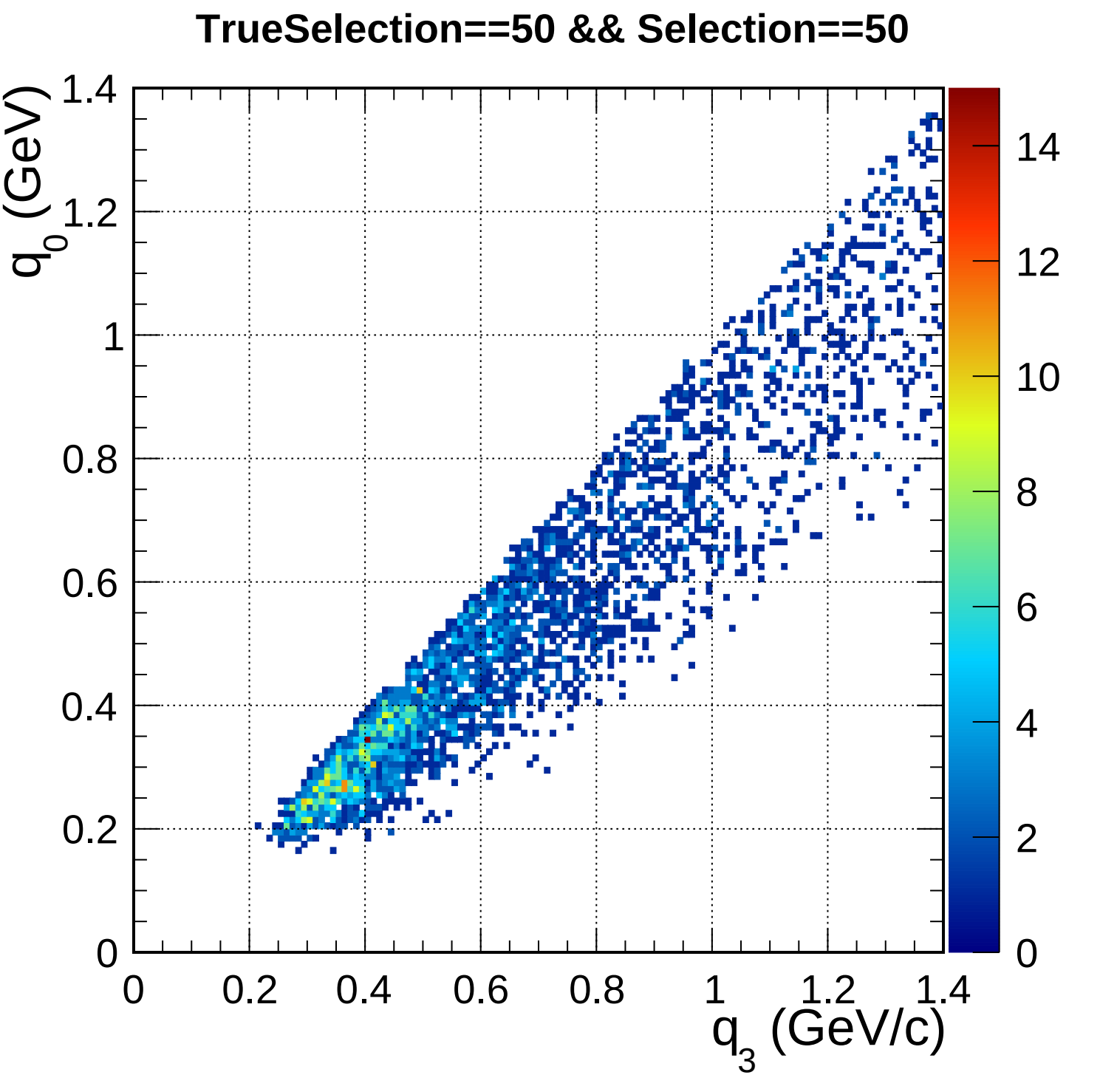

(TrueSelection==50 && Selection==44)/(TrueSelection==50)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

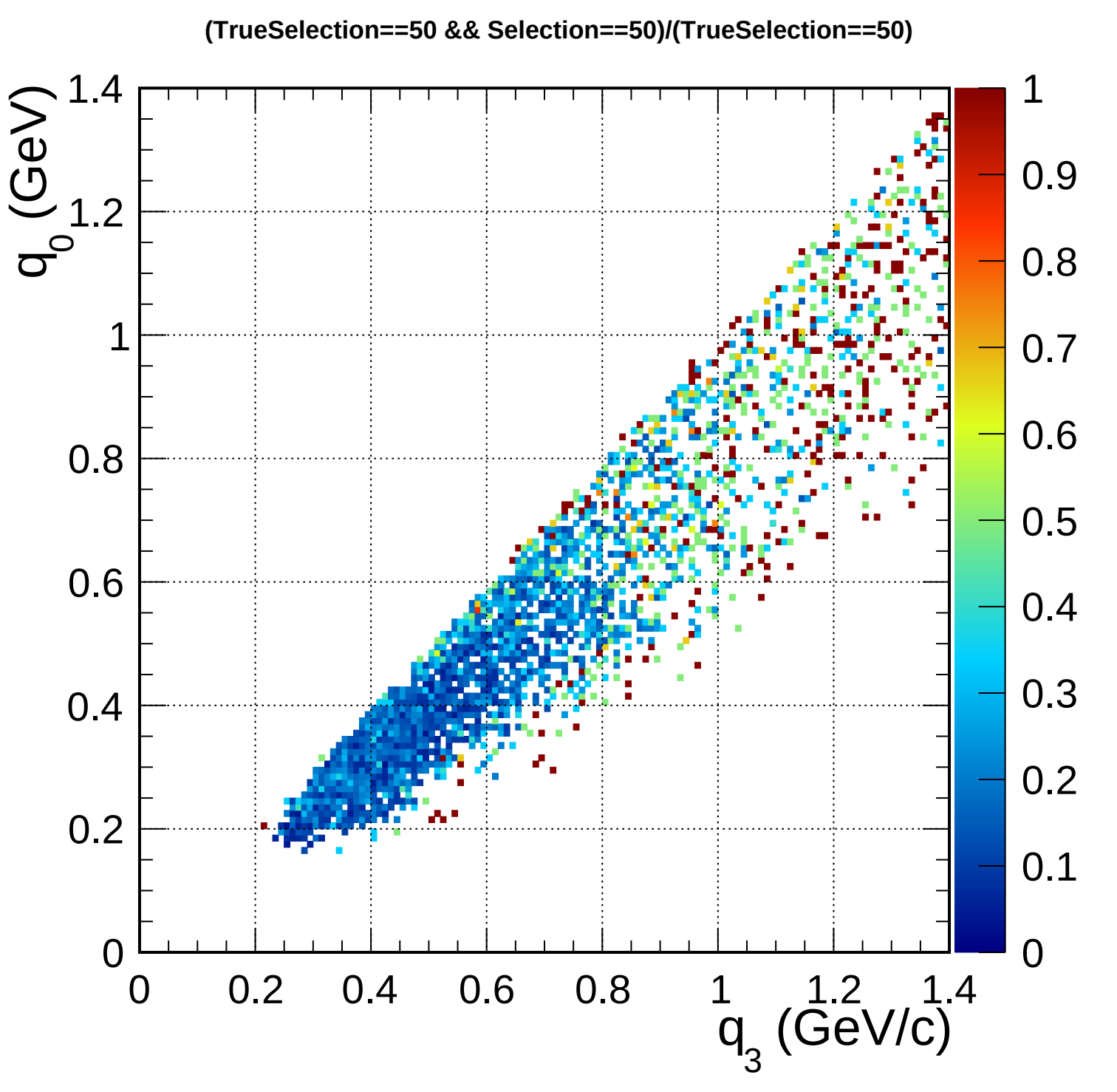

TrueSelection==50 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

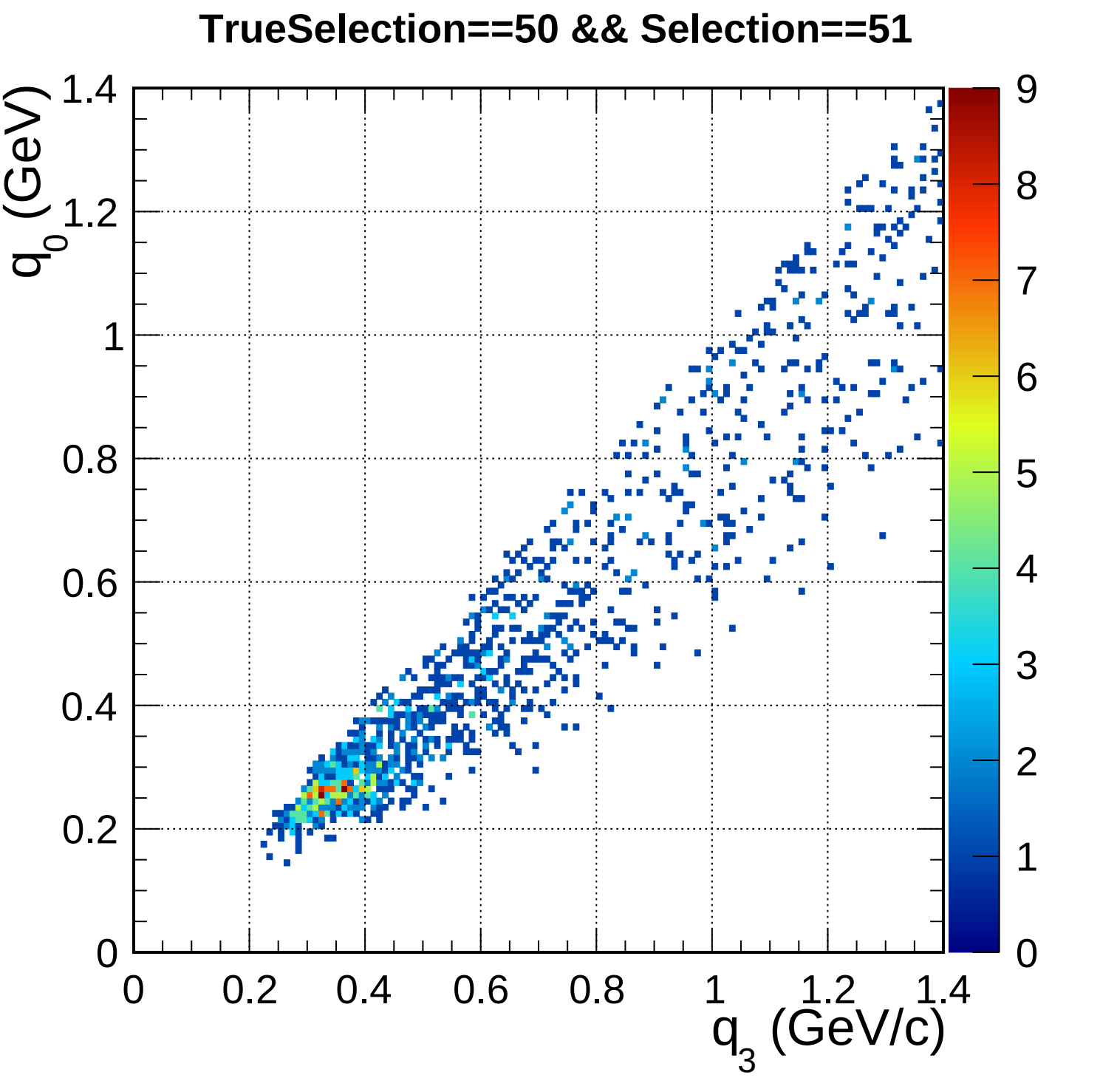

(TrueSelection==50 && Selection==45)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

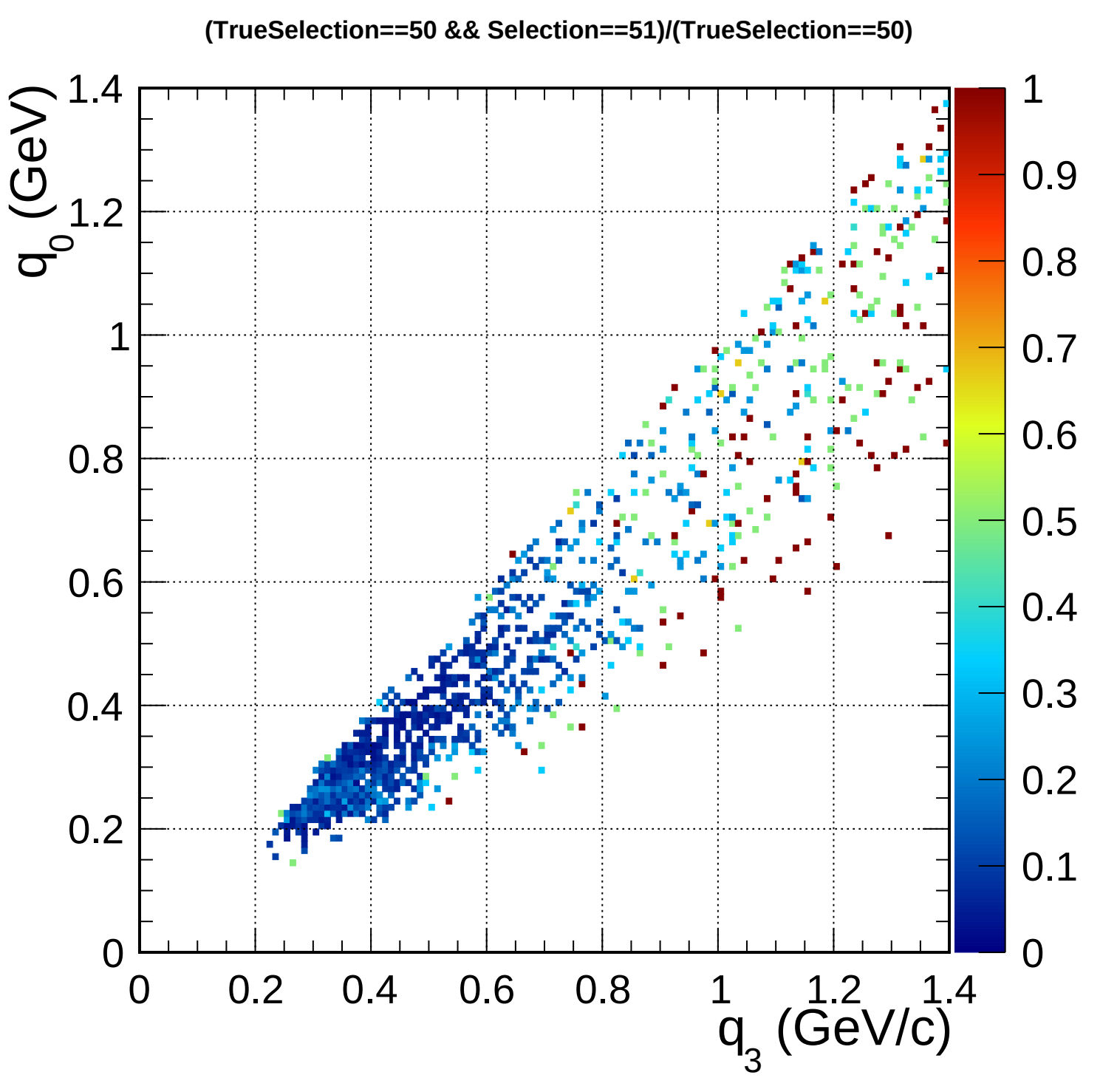

TrueSelection==50 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25

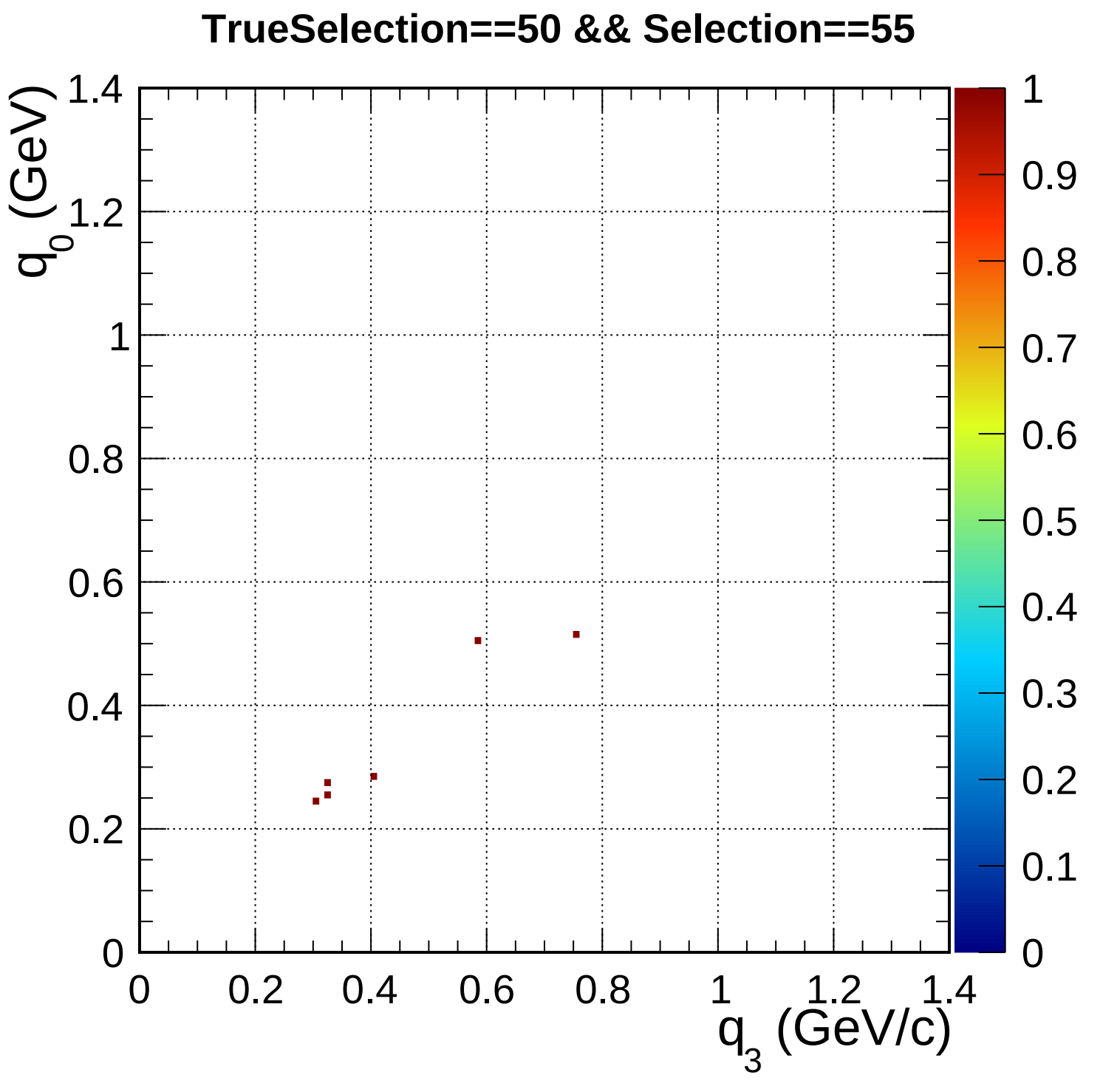

(TrueSelection==50 && Selection==49)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

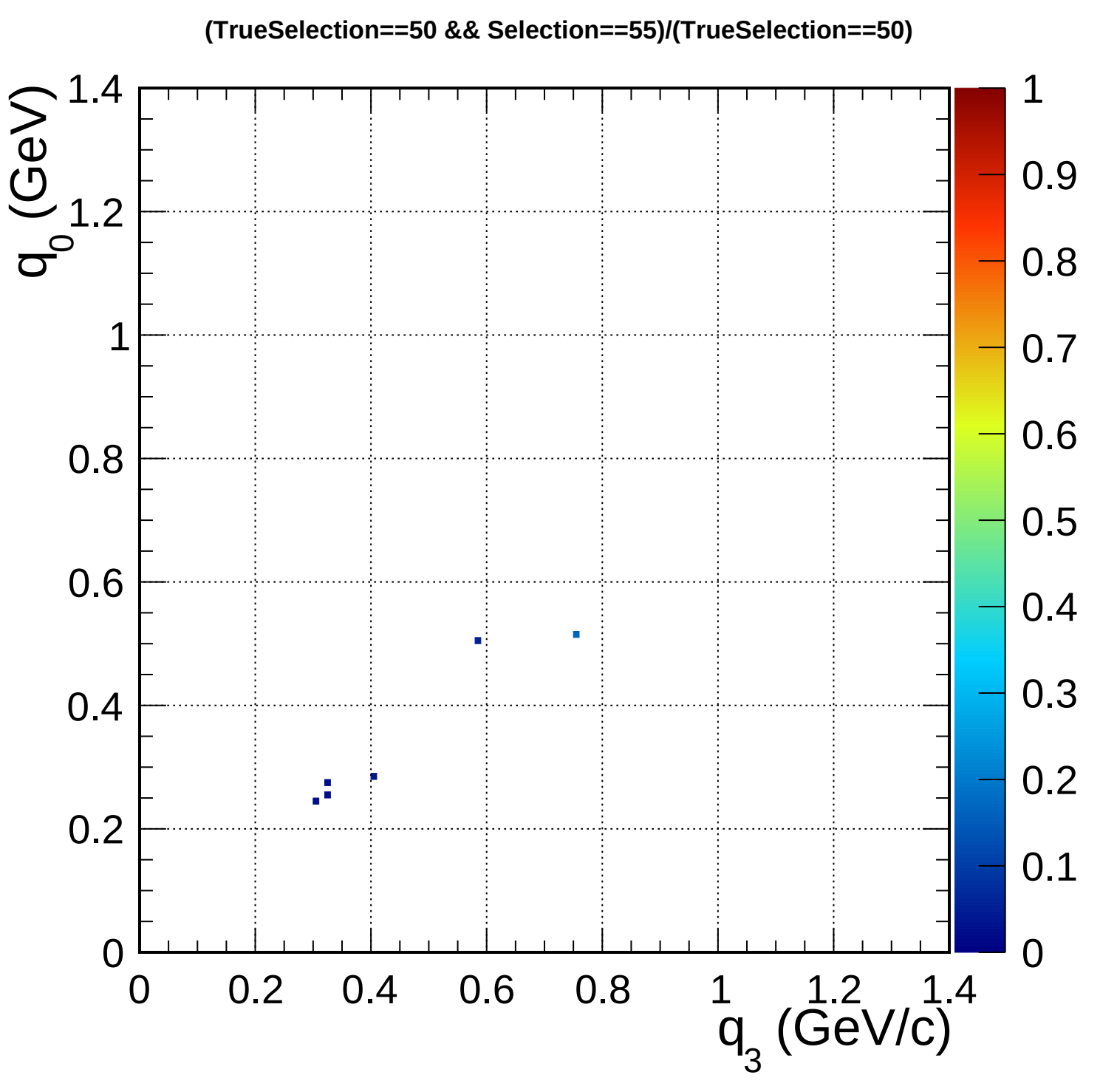

TrueSelection==50 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14

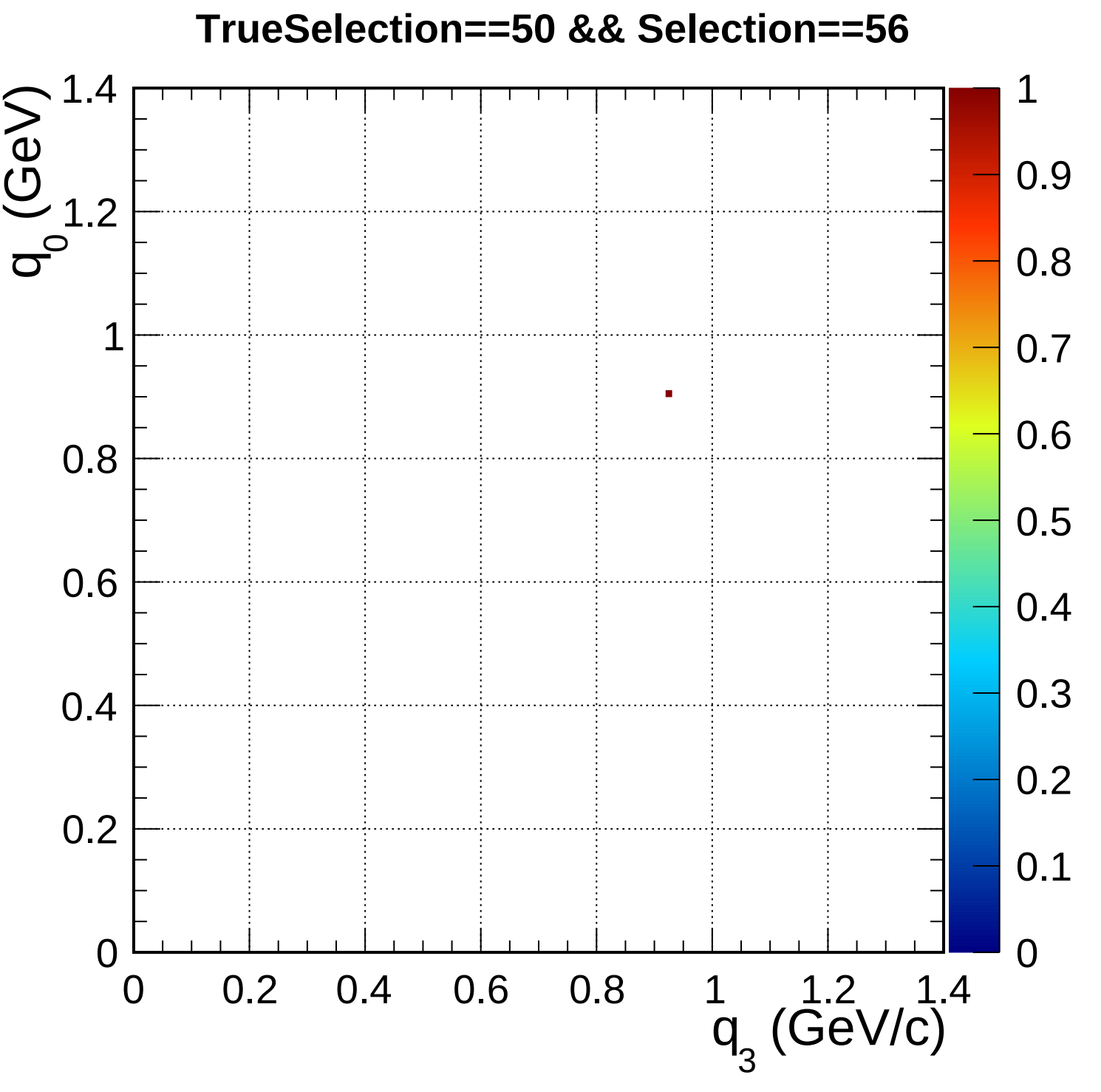

(TrueSelection==50 && Selection==50)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

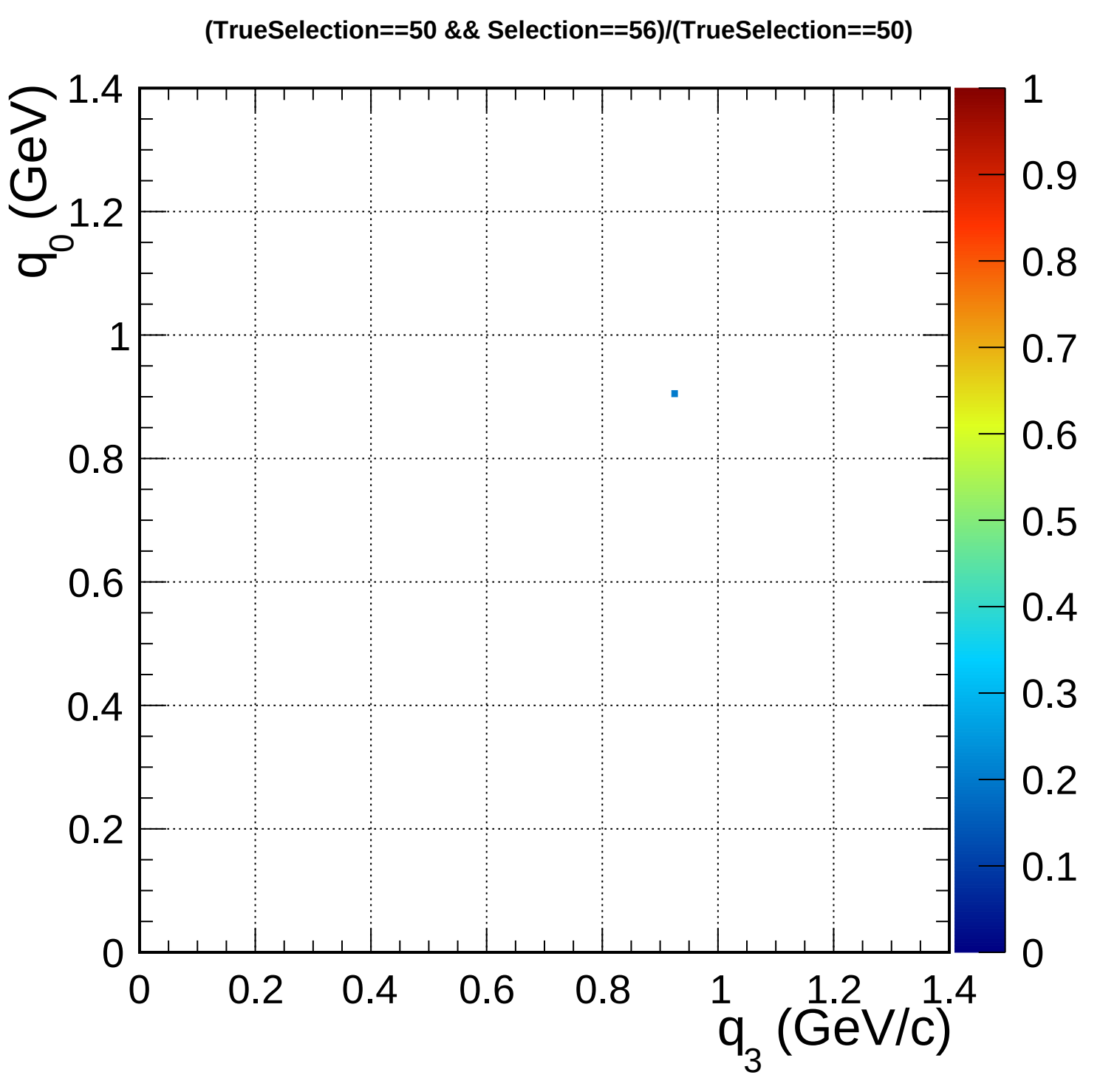

TrueSelection==50 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

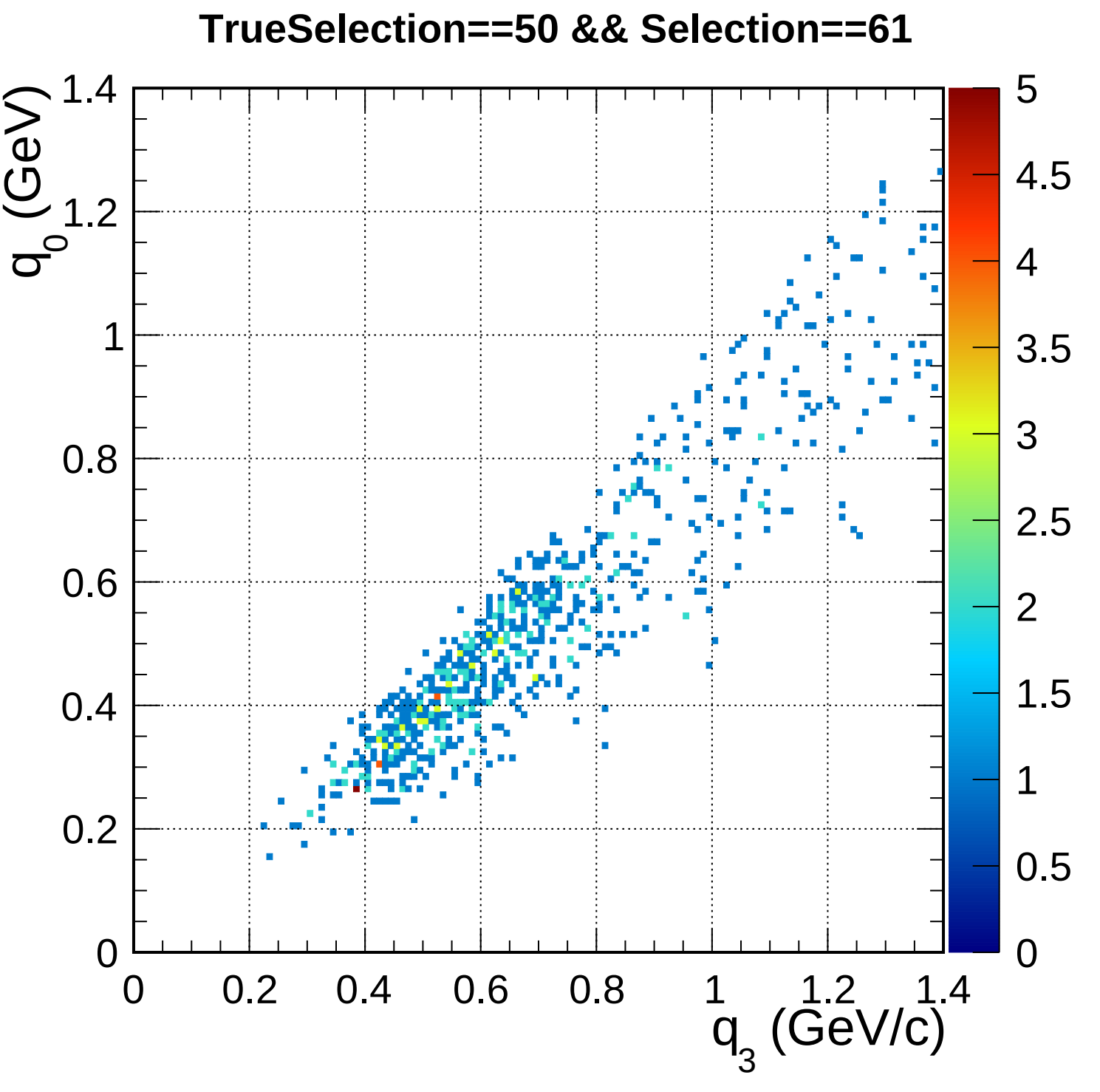

(TrueSelection==50 && Selection==51)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

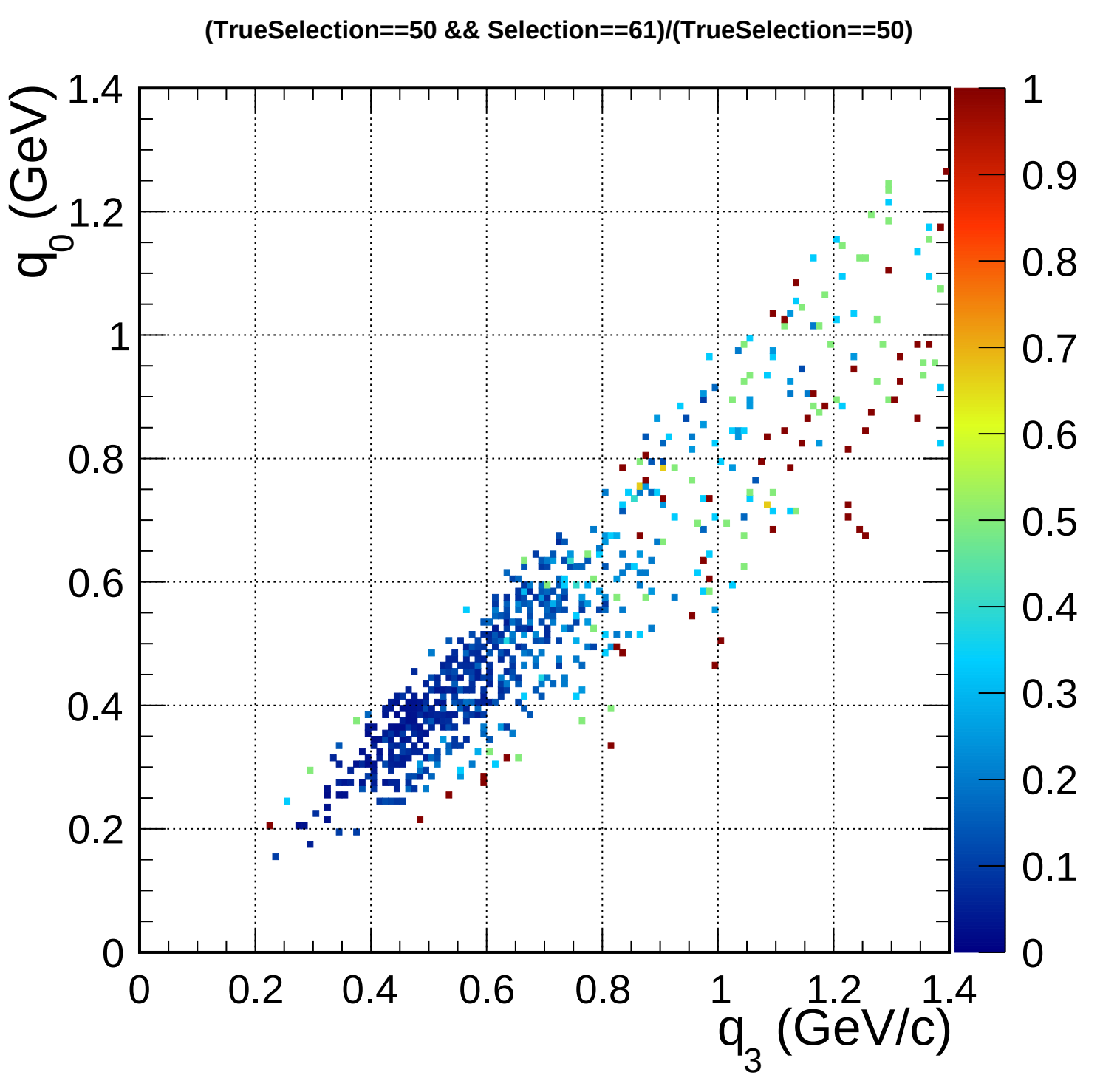

TrueSelection==50 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

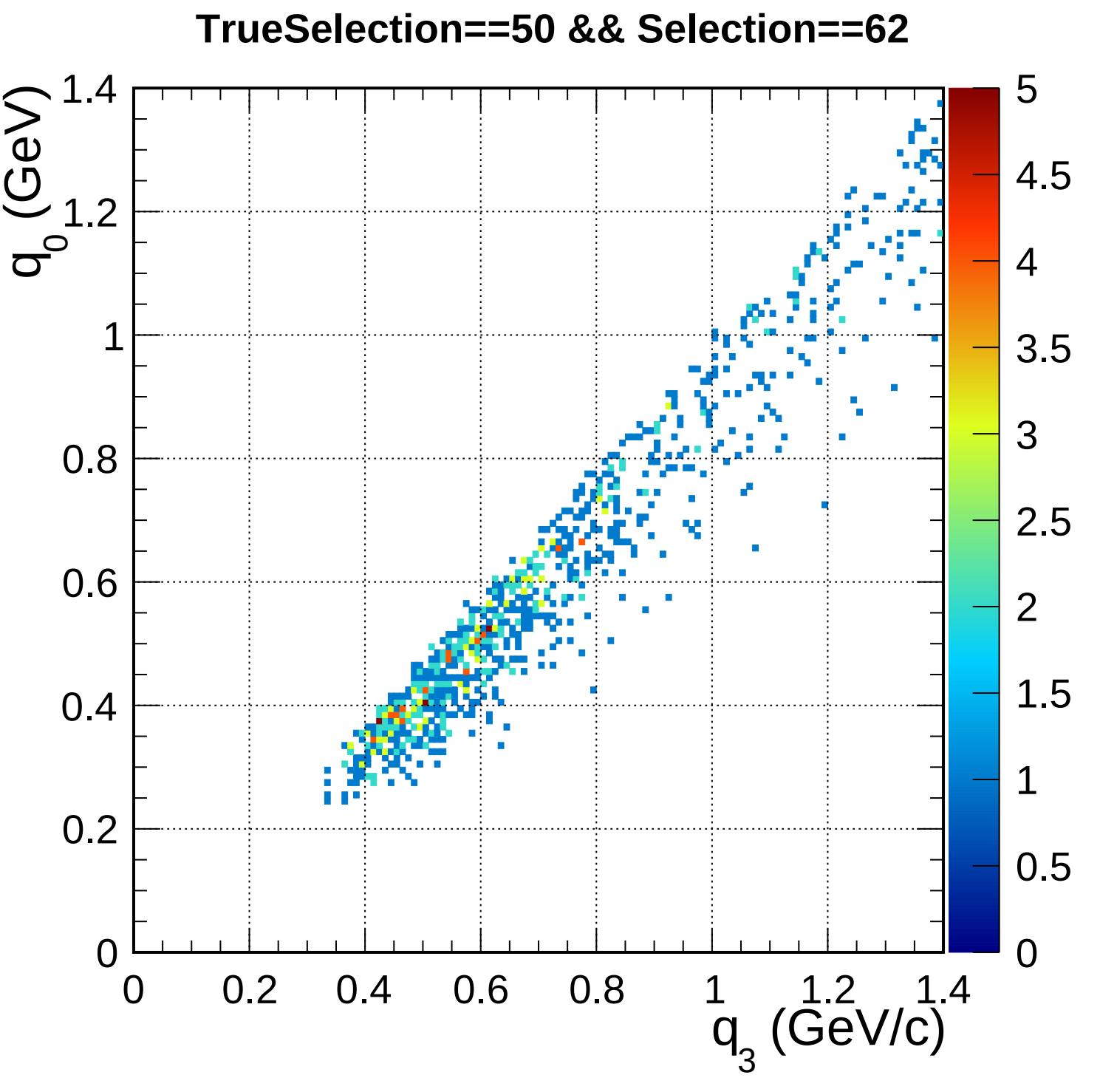

(TrueSelection==50 && Selection==55)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

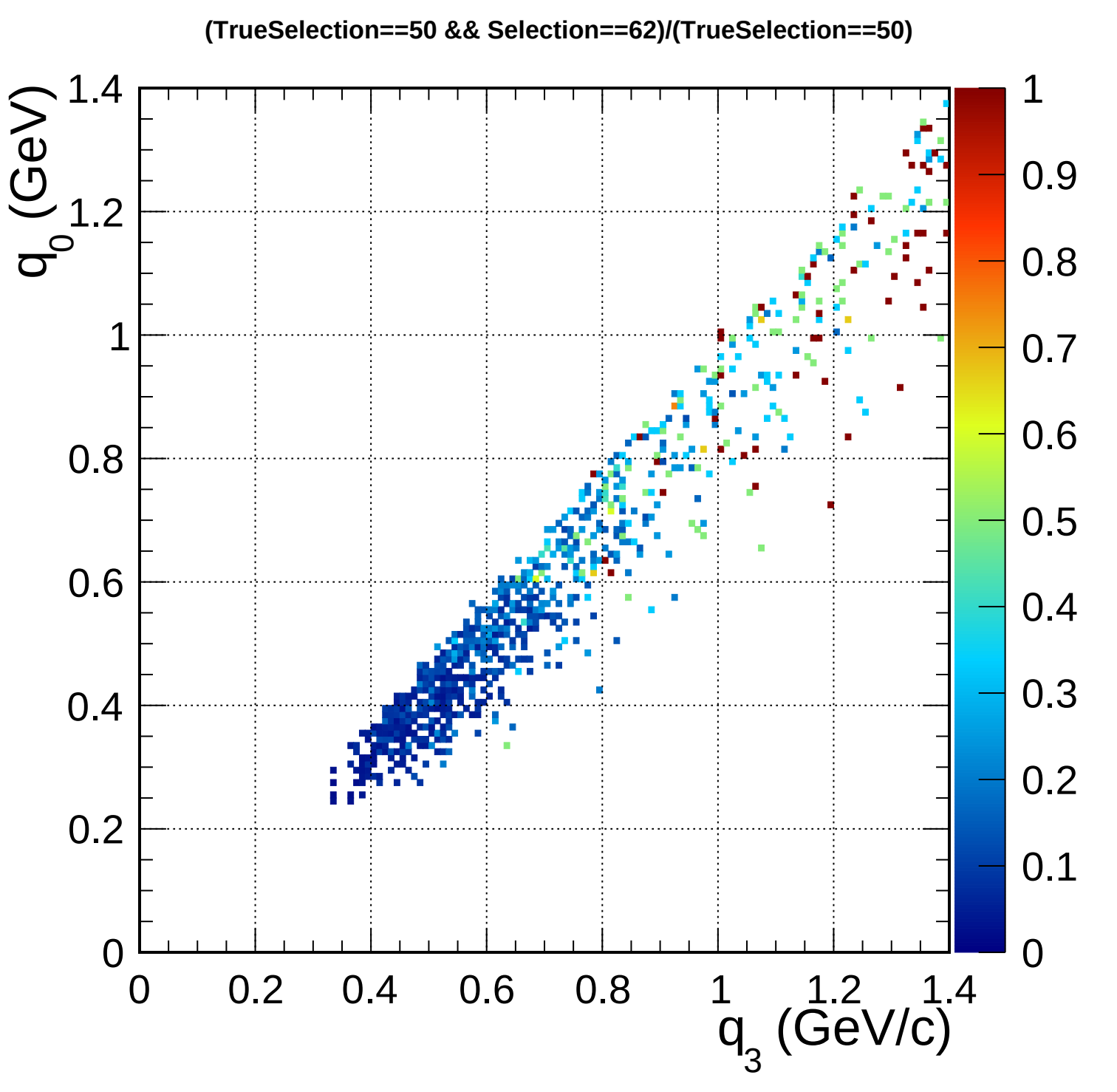

TrueSelection==50 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

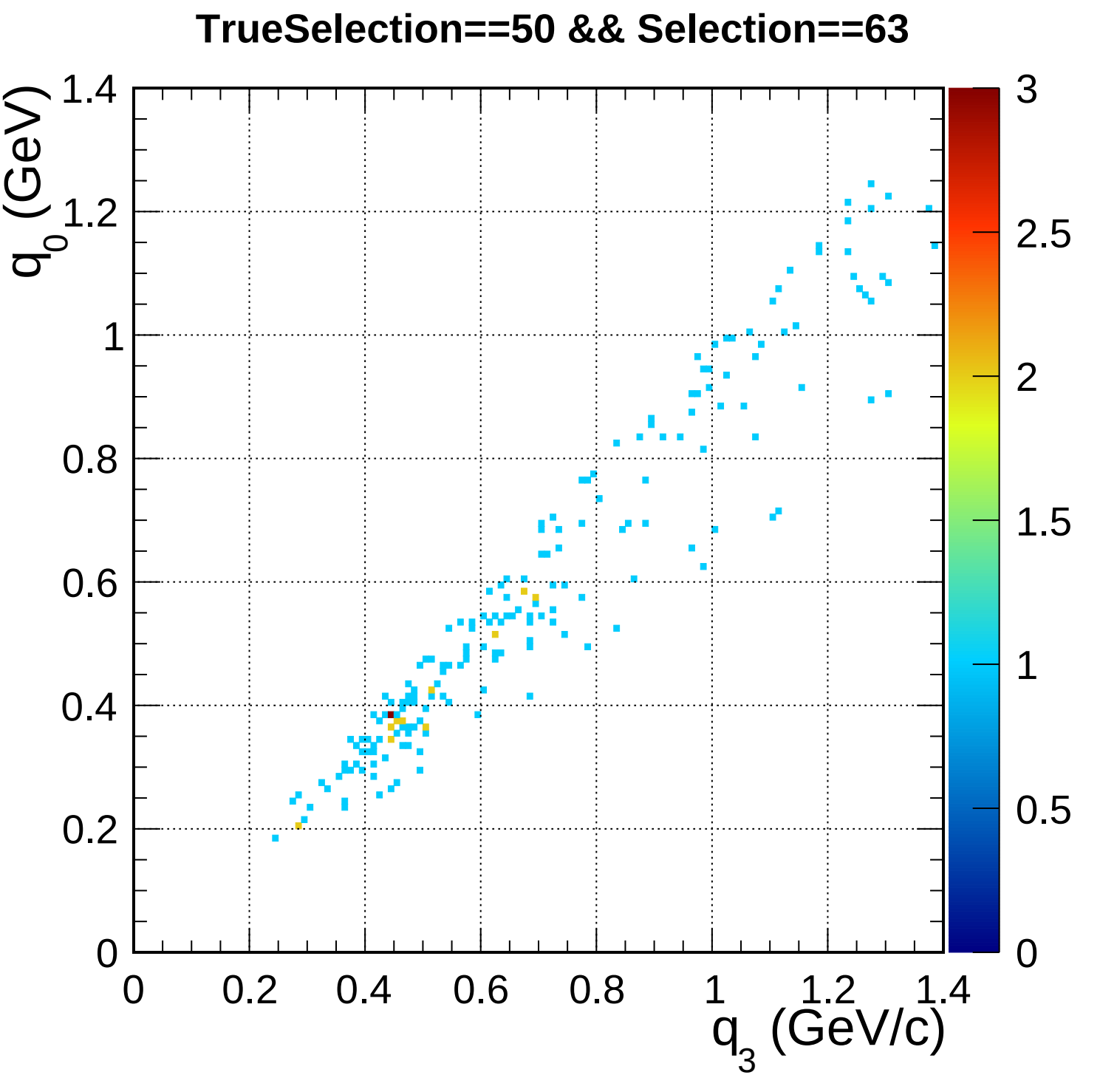

(TrueSelection==50 && Selection==56)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

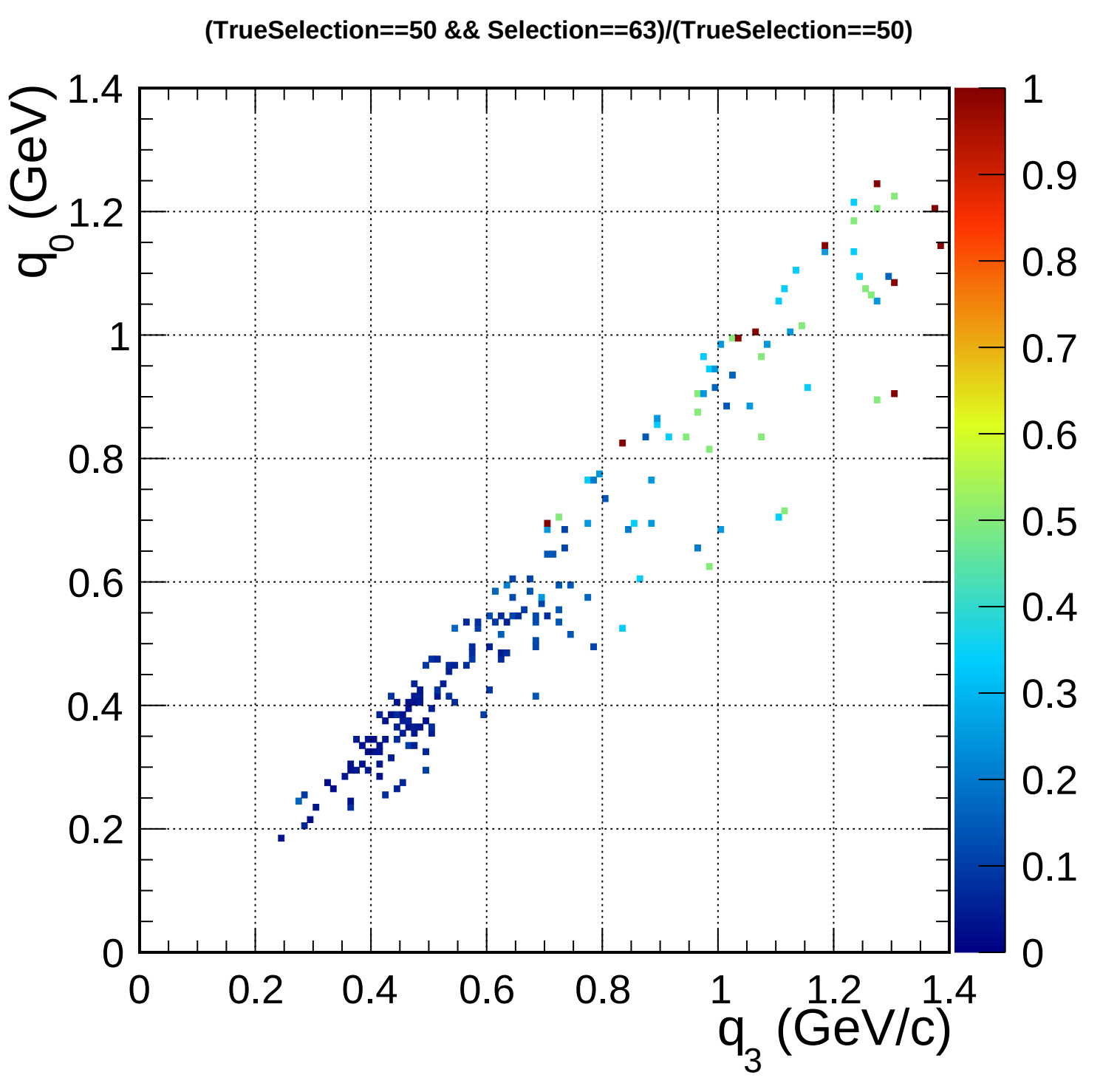

TrueSelection==50 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

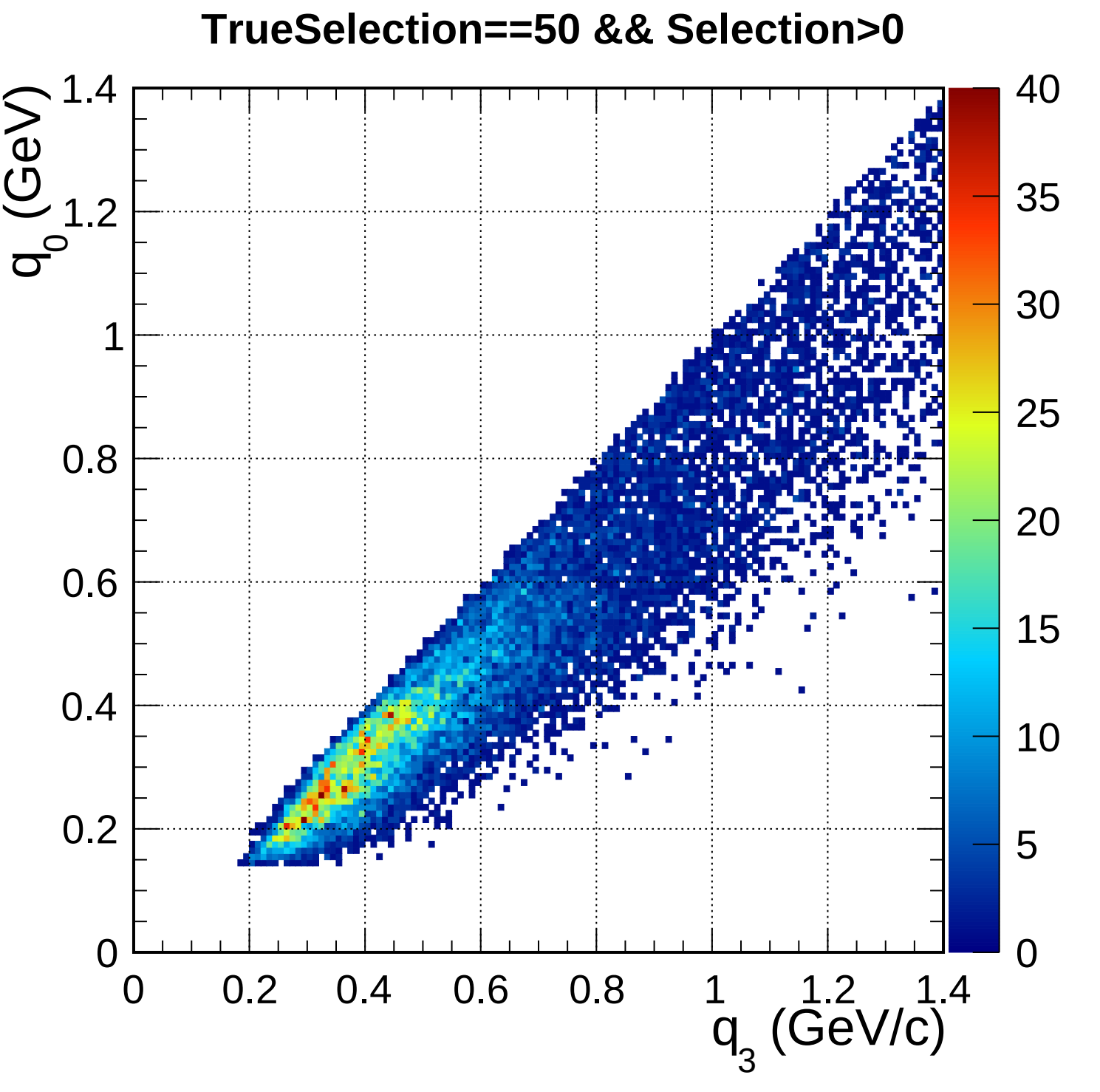

(TrueSelection==50 && Selection==61)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

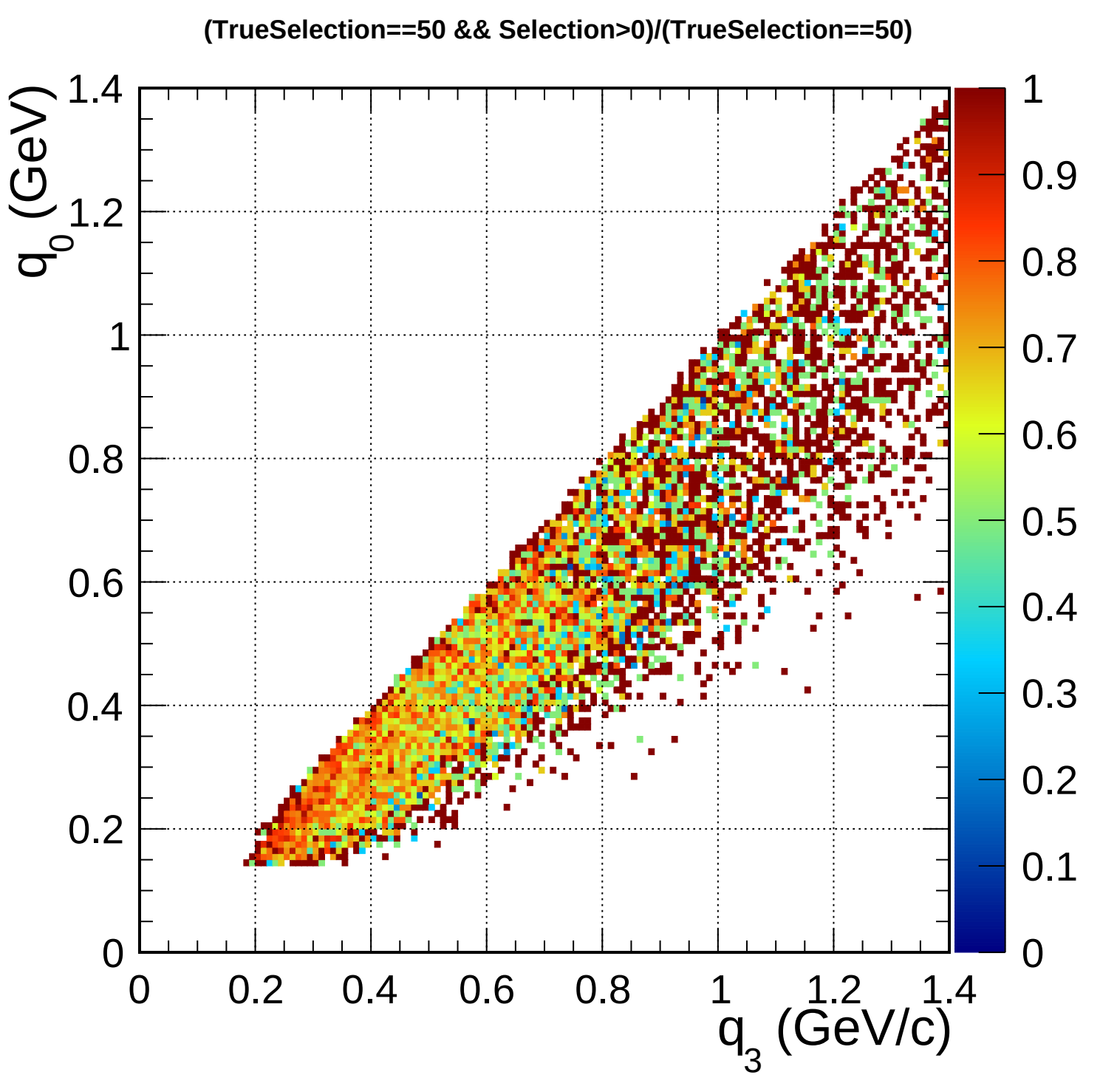

TrueSelection==50 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

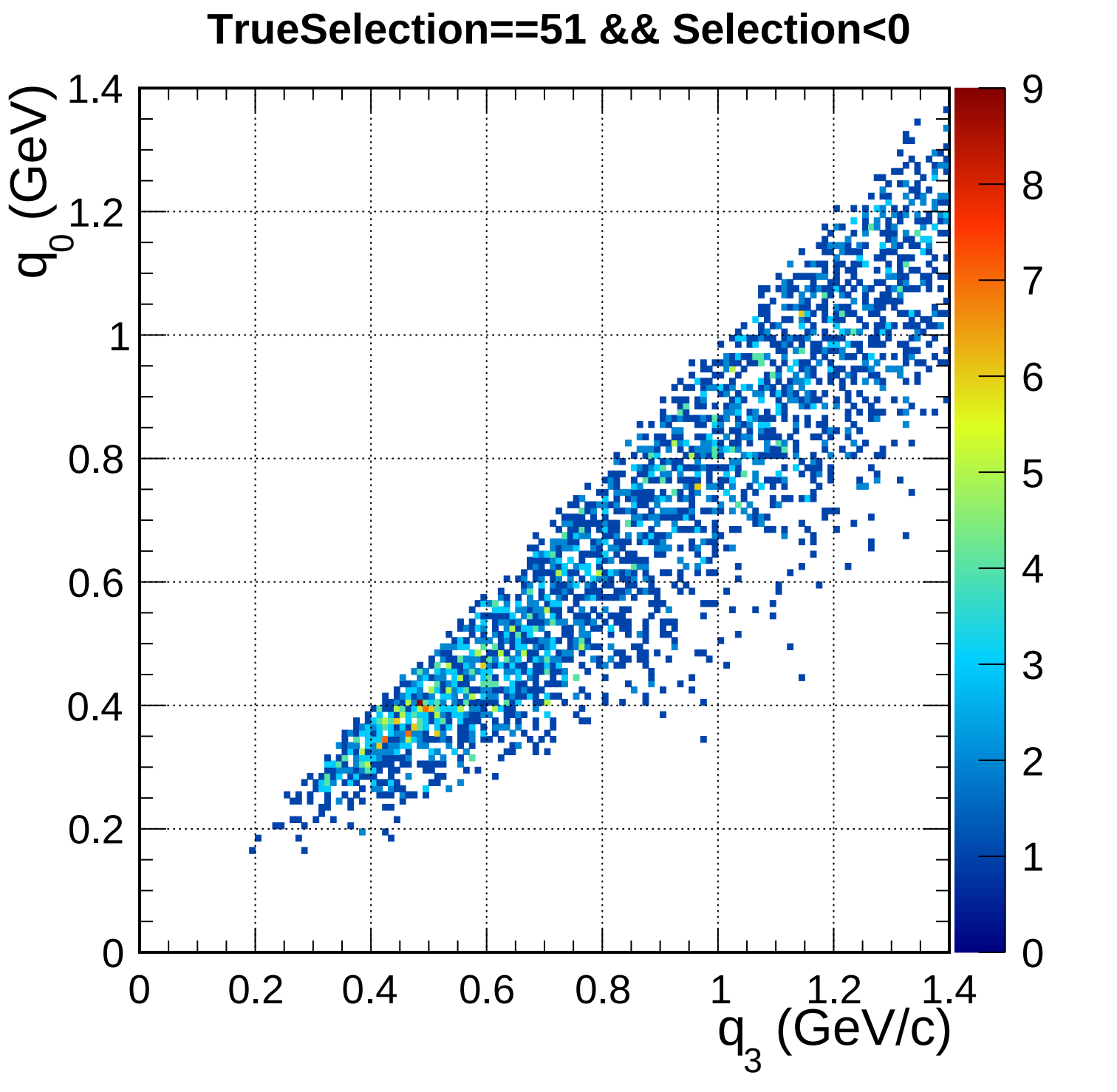

(TrueSelection==50 && Selection==62)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

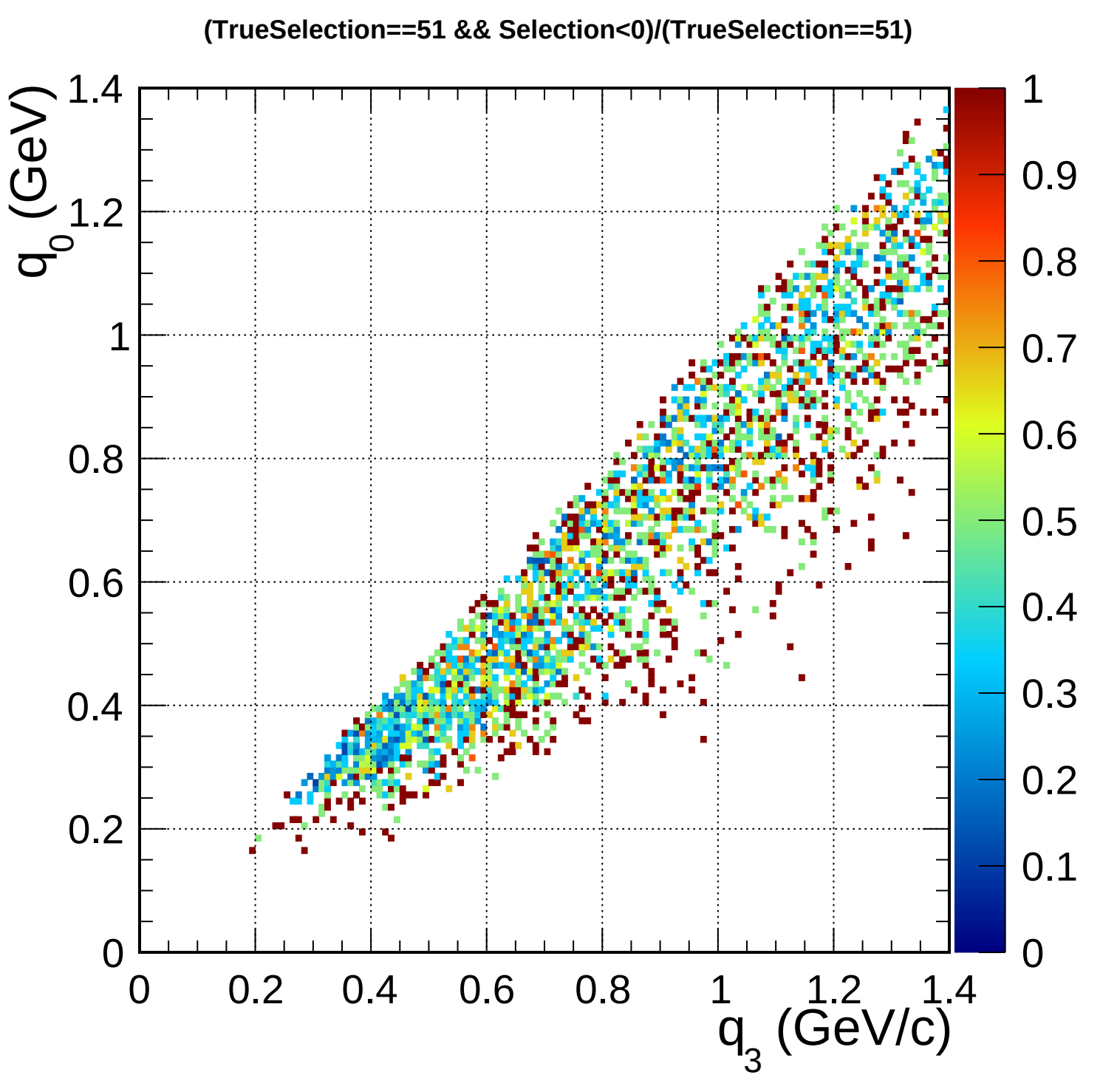

TrueSelection==50 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

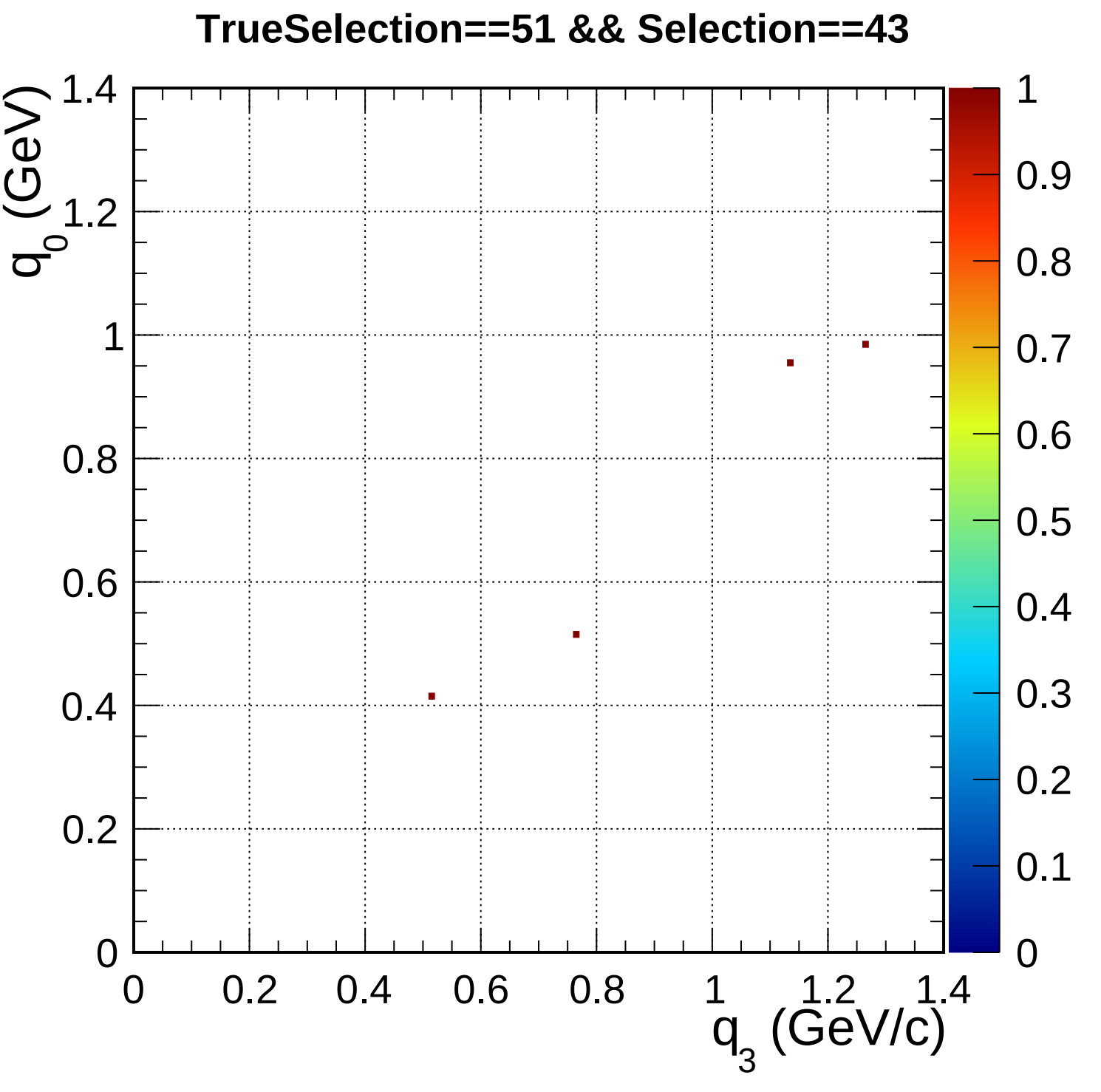

(TrueSelection==50 && Selection==63)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

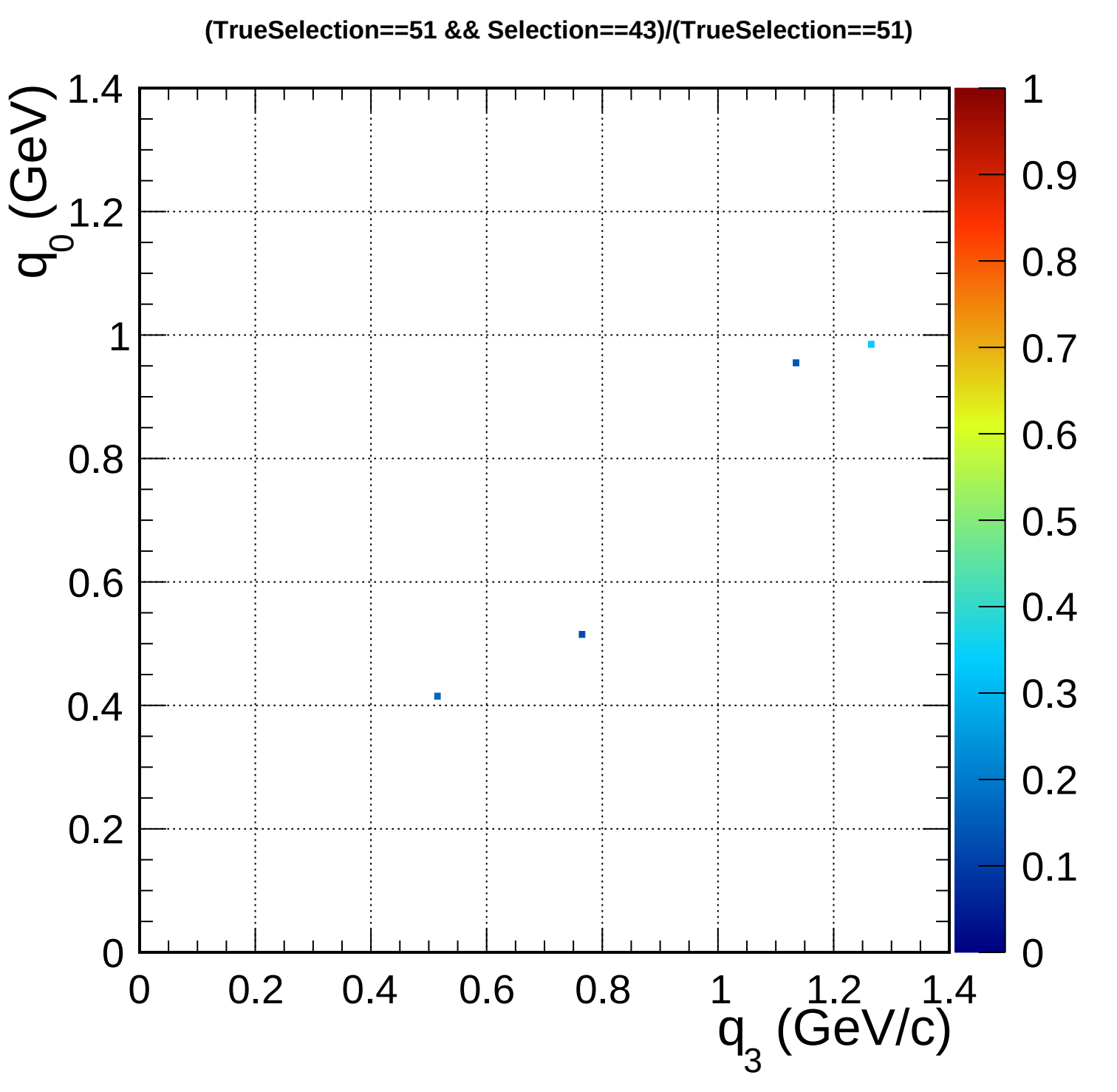

TrueSelection==50 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

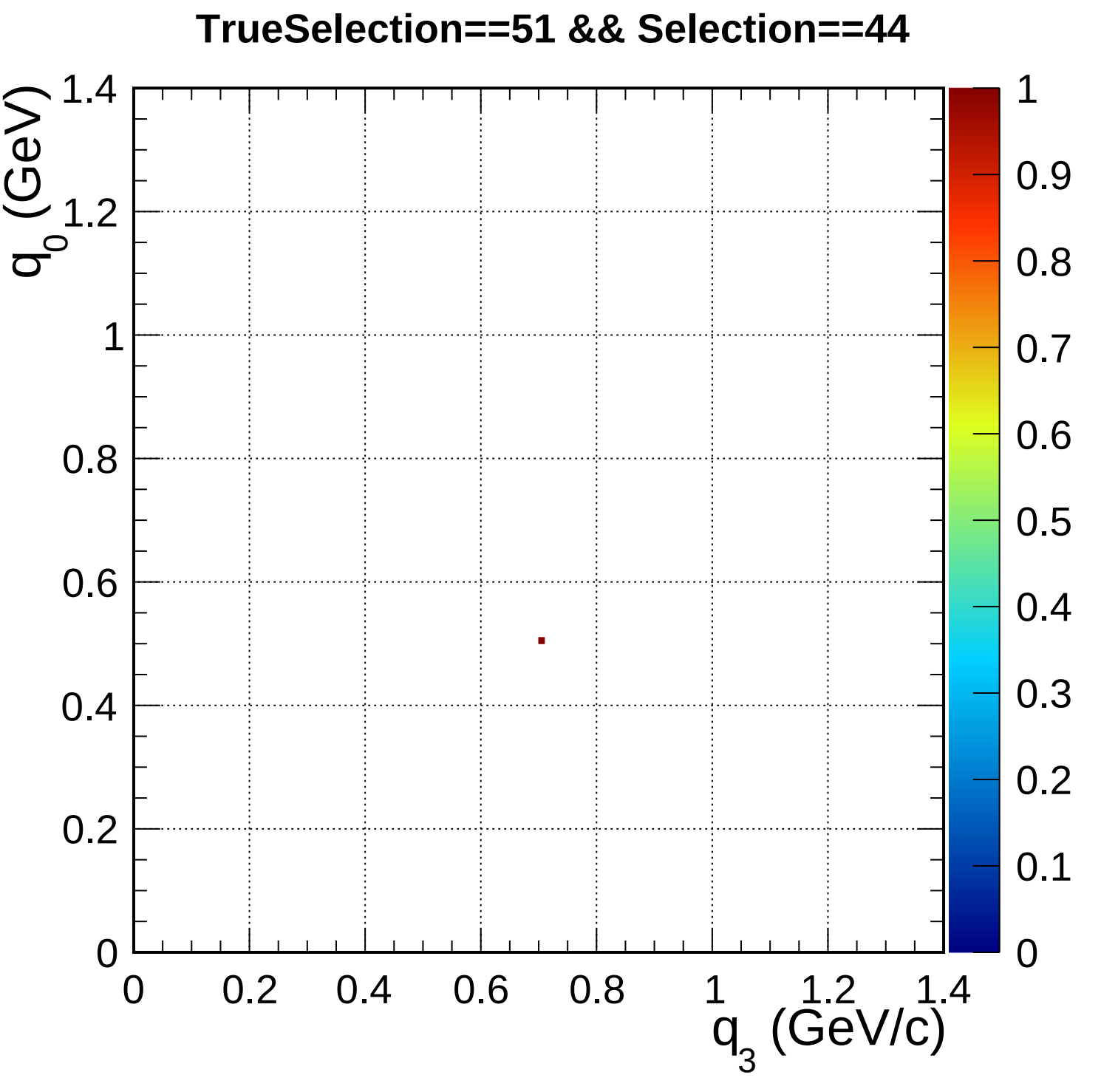

(TrueSelection==50 && Selection>0)/(TrueSelection==50)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

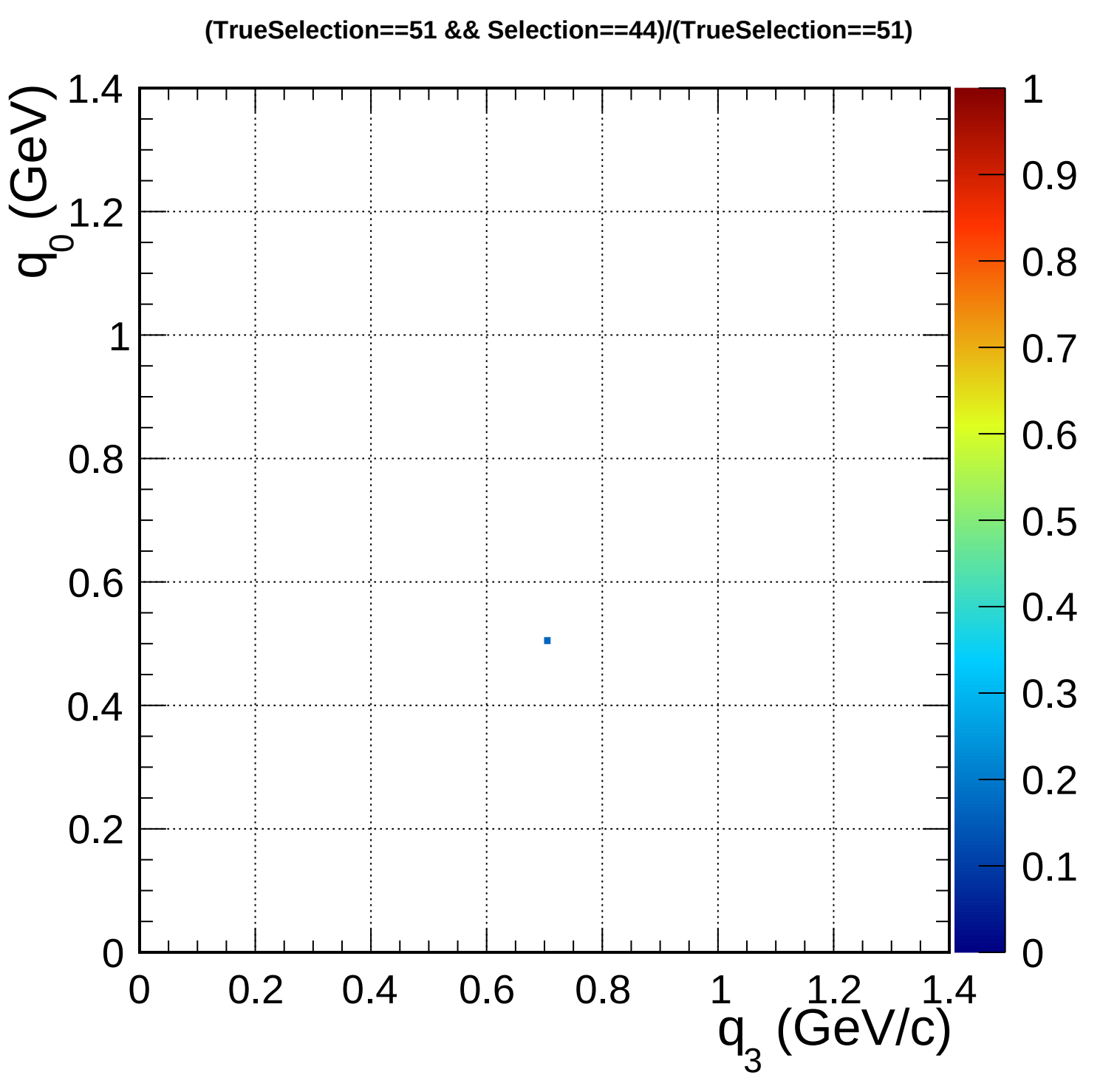

TrueSelection==51 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

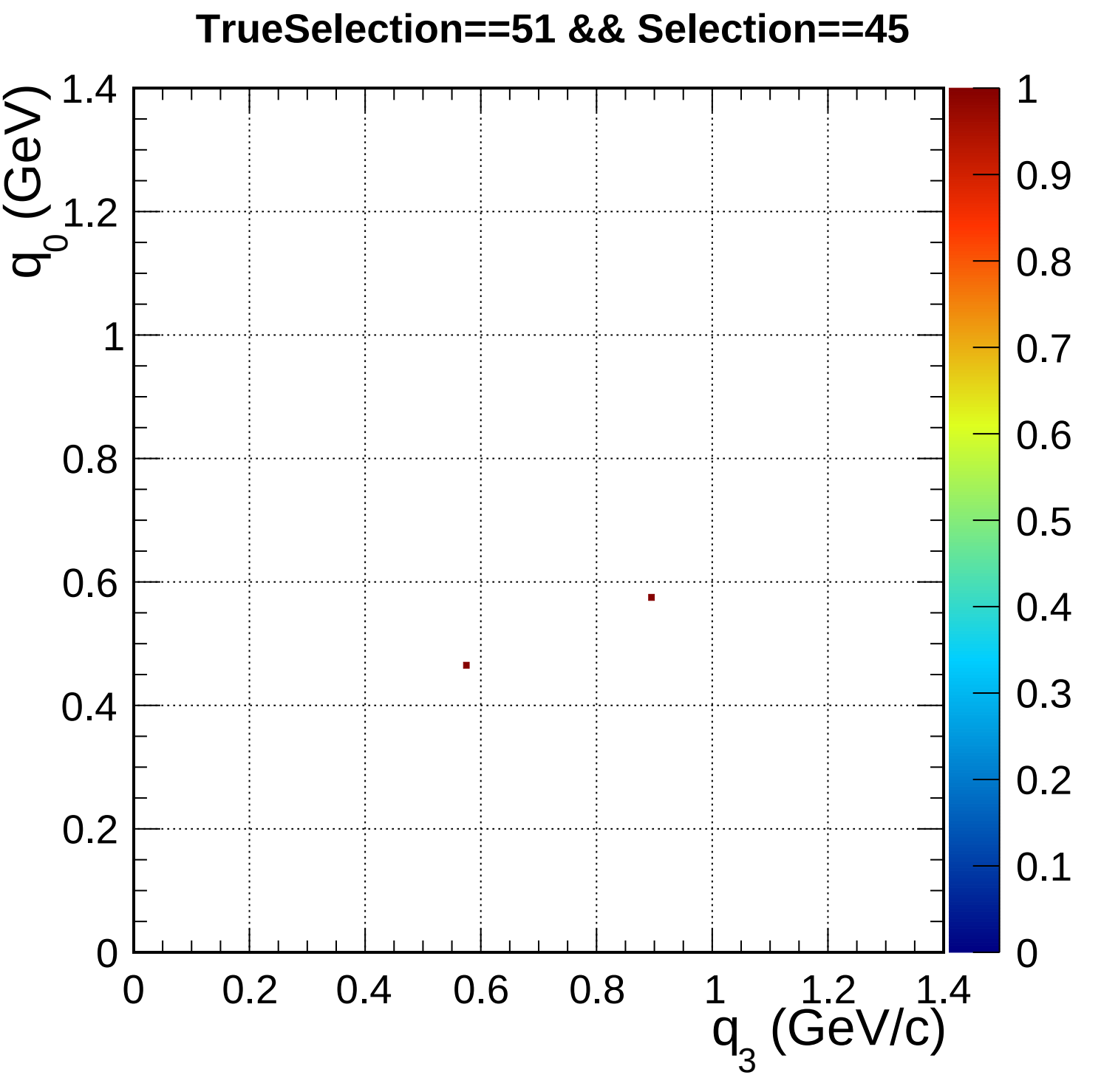

(TrueSelection==51 && Selection<0)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

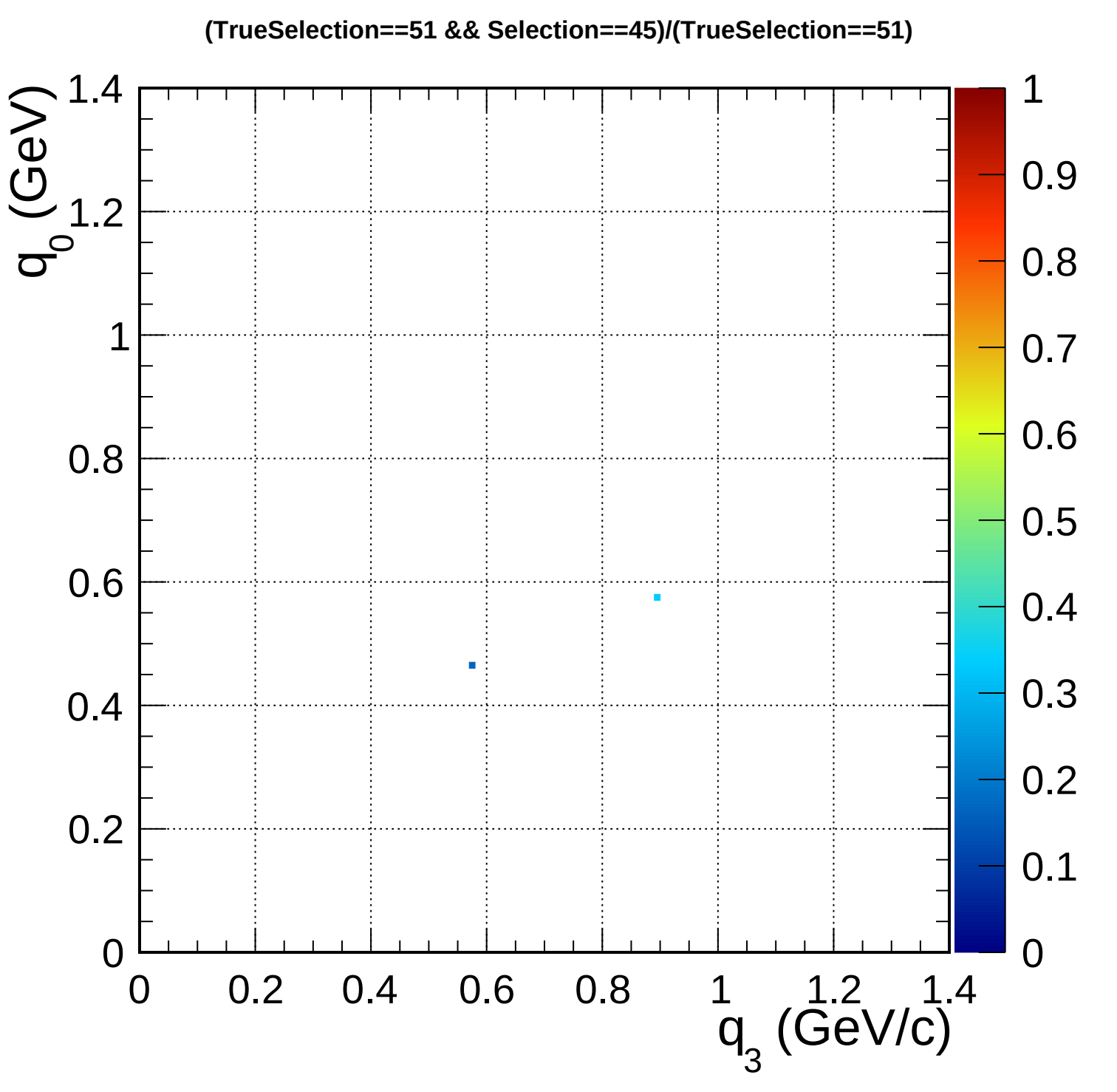

TrueSelection==51 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

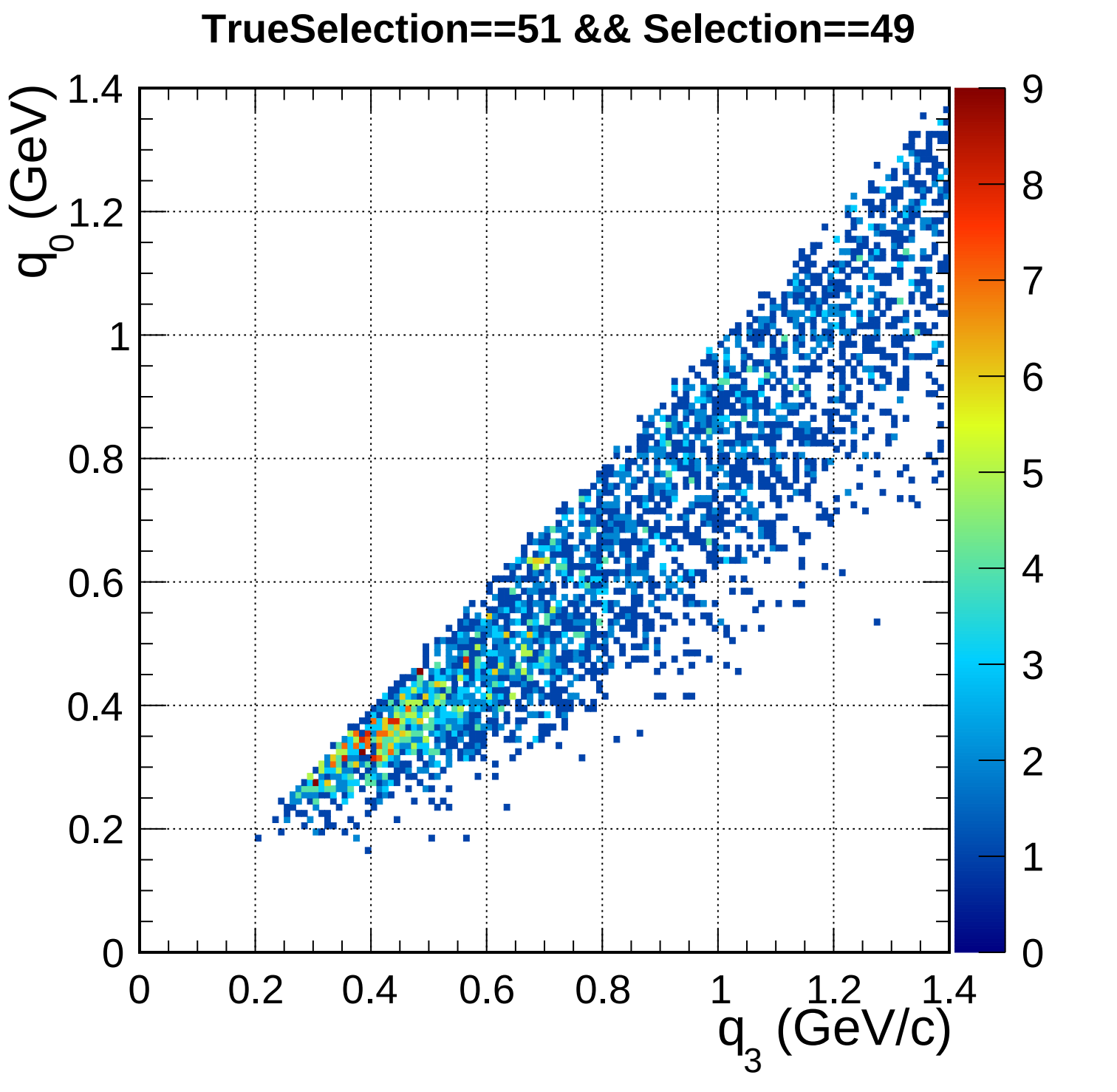

(TrueSelection==51 && Selection==43)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

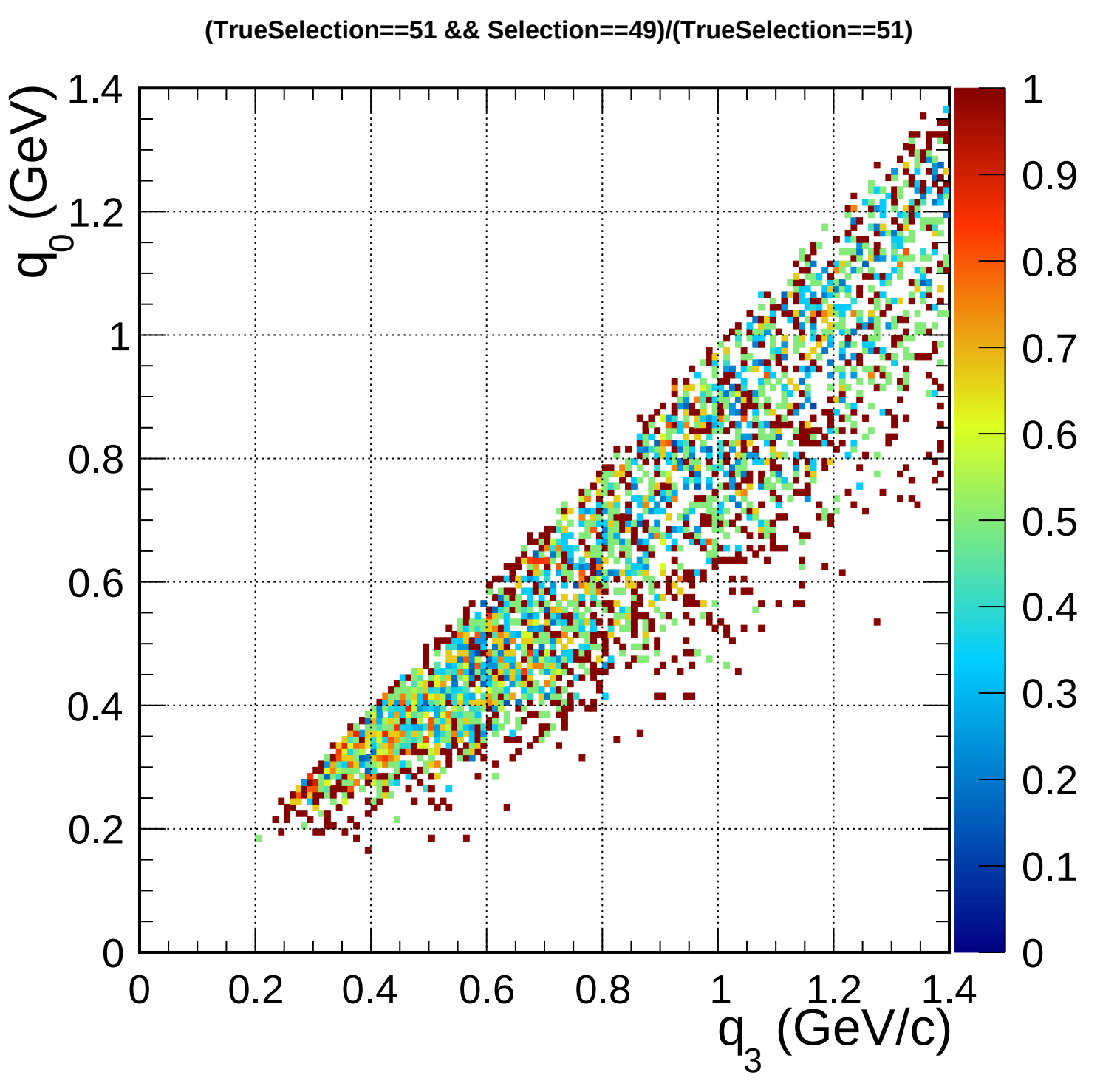

TrueSelection==51 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

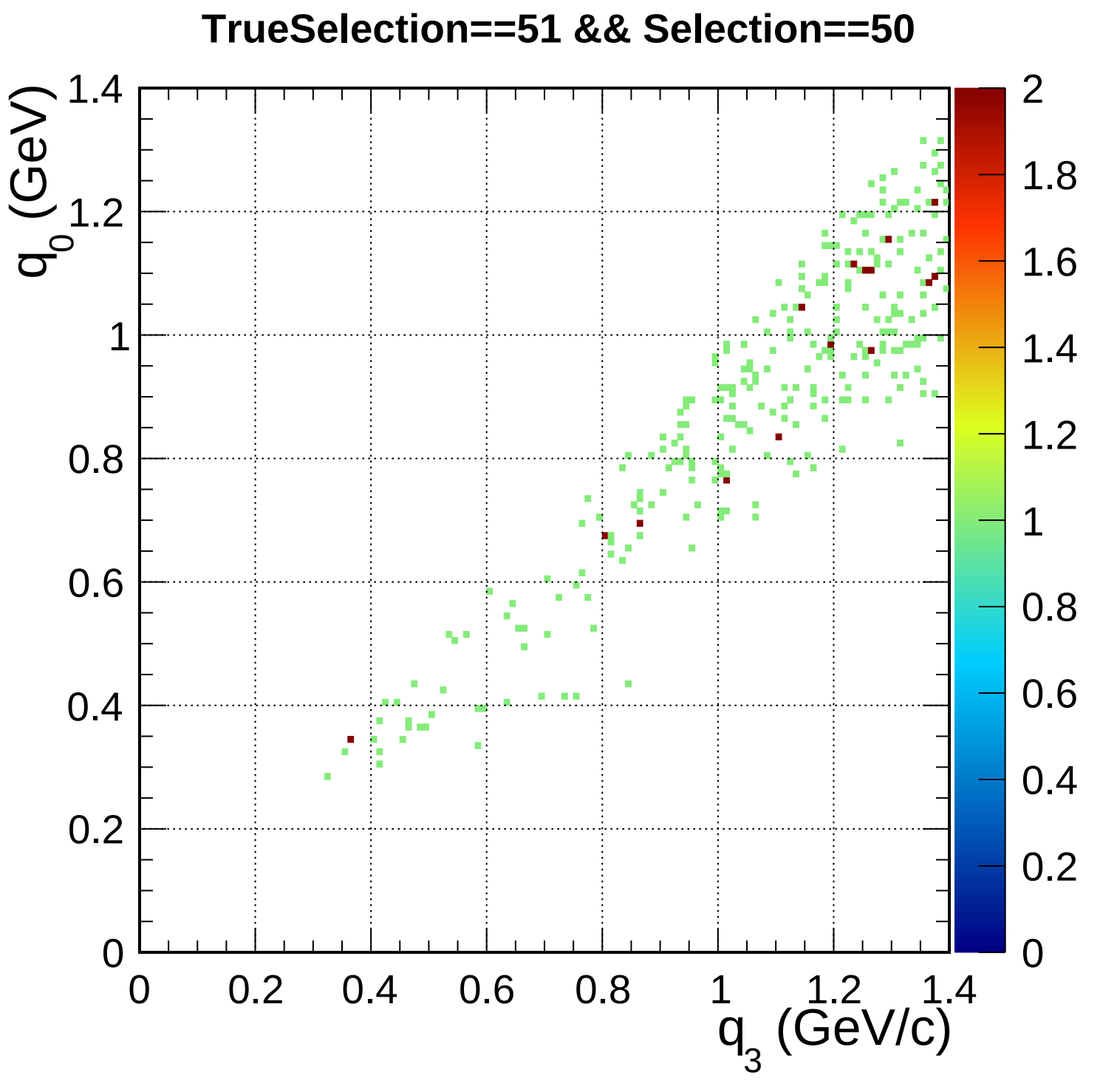

(TrueSelection==51 && Selection==44)/(TrueSelection==51)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

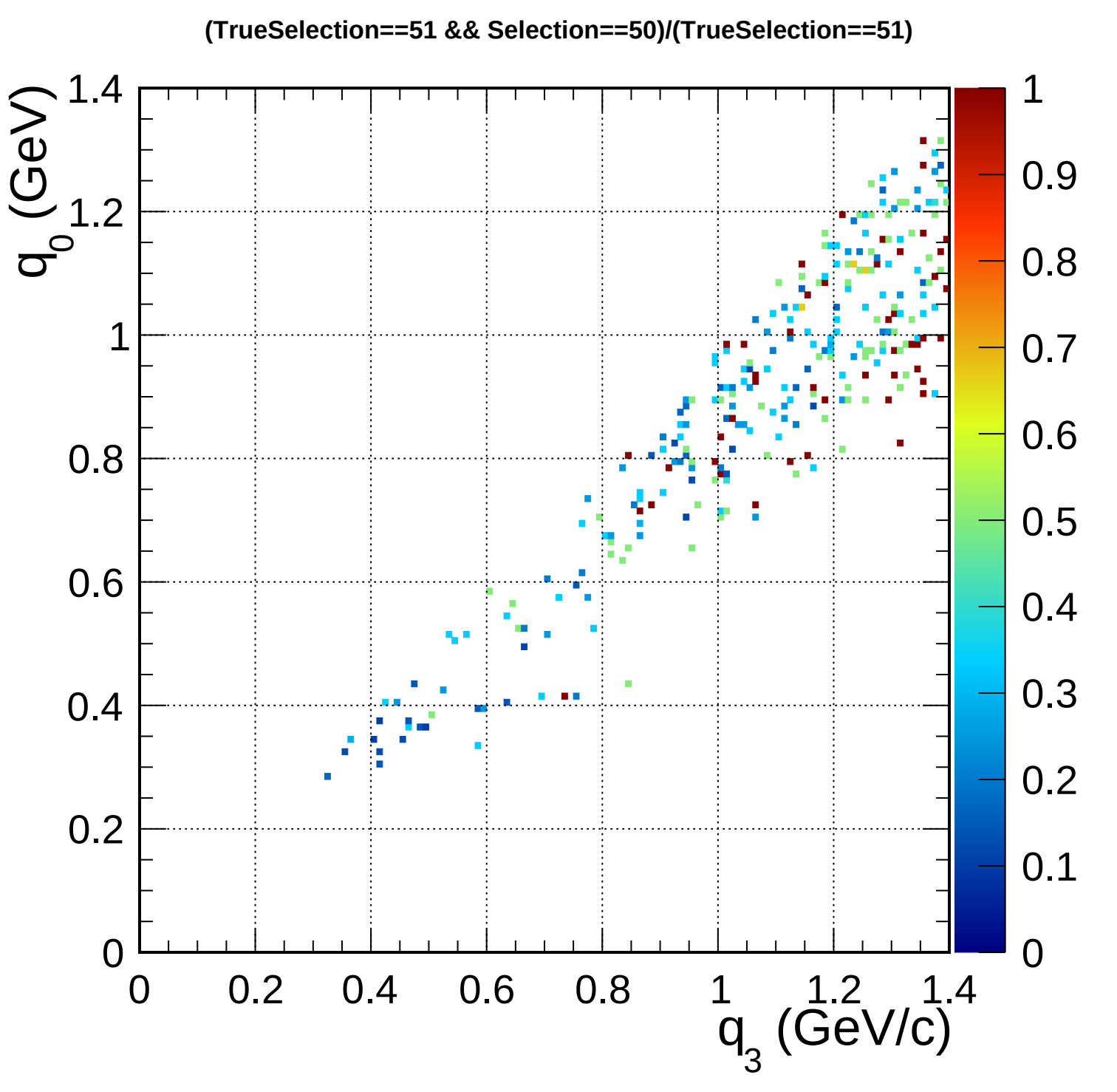

TrueSelection==51 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

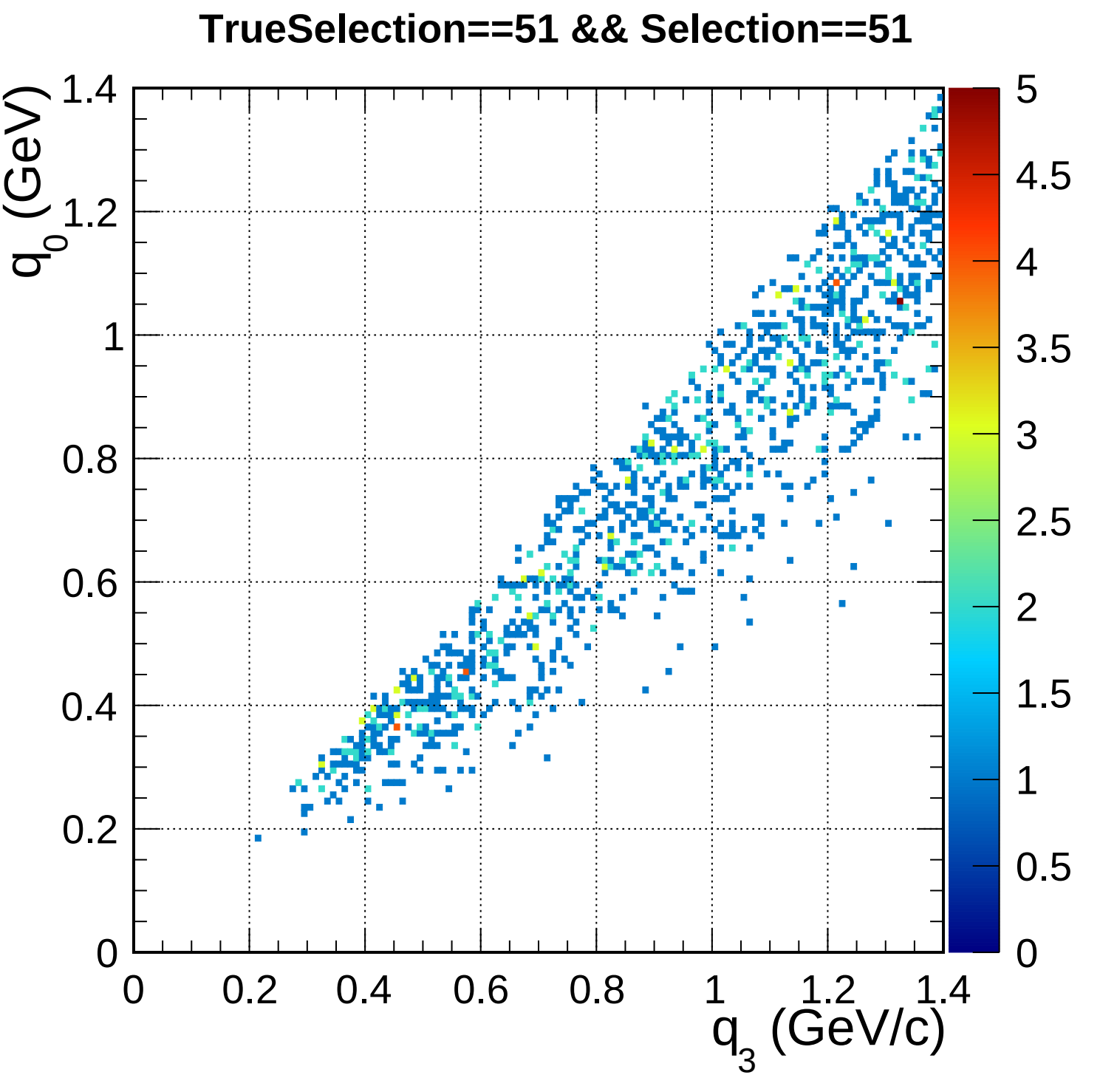

(TrueSelection==51 && Selection==45)/(TrueSelection==51)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

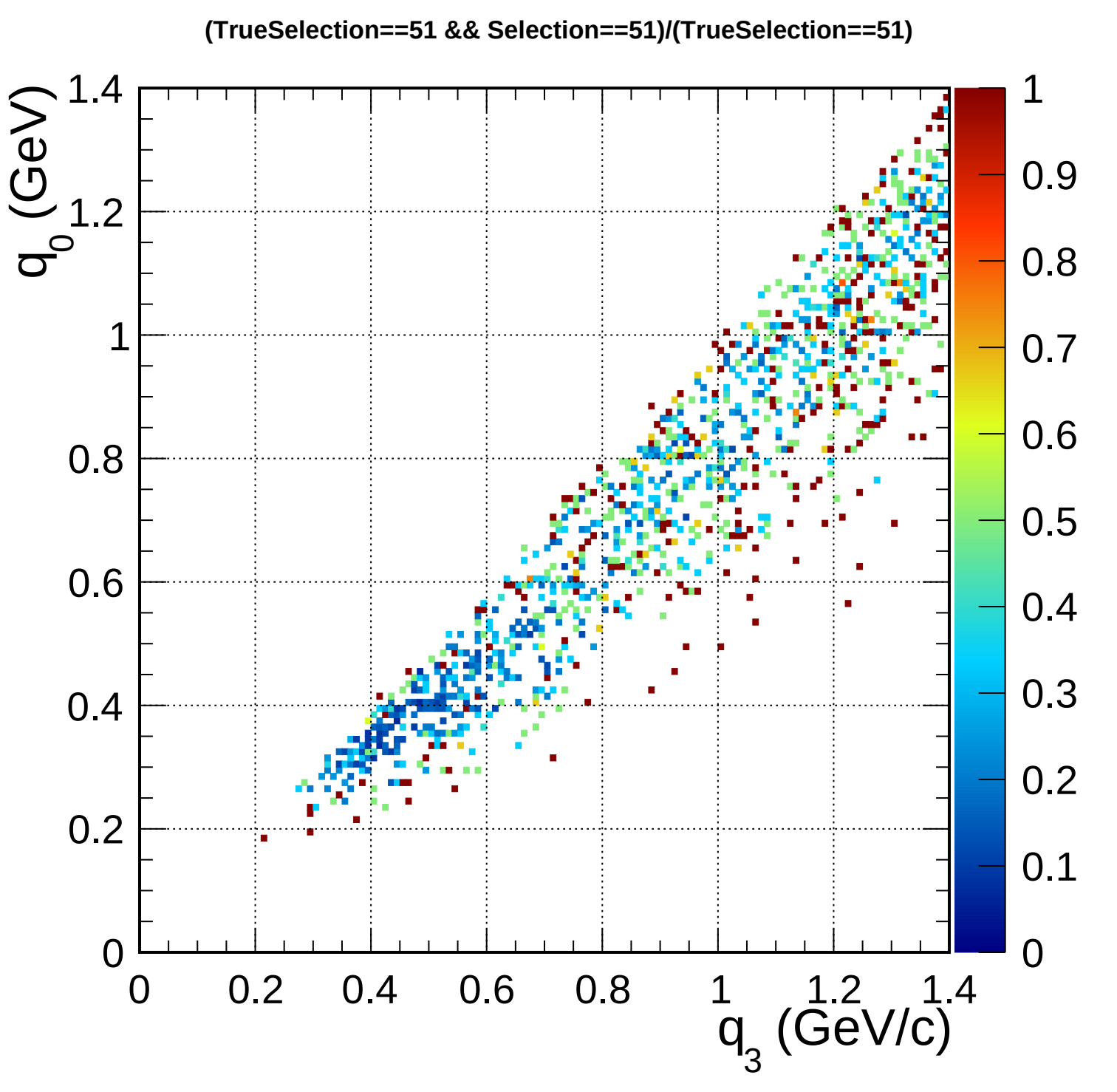

TrueSelection==51 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

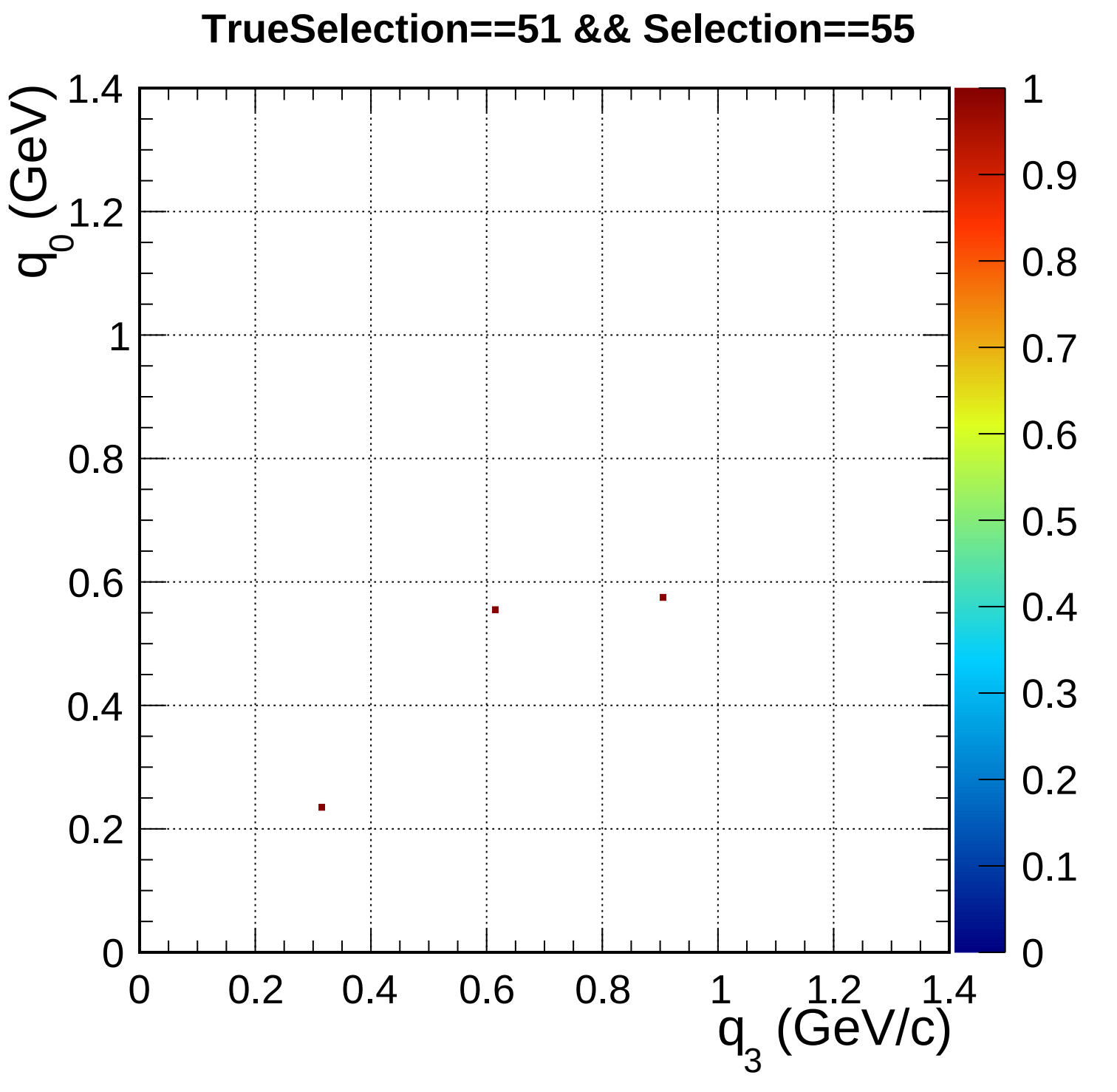

(TrueSelection==51 && Selection==49)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

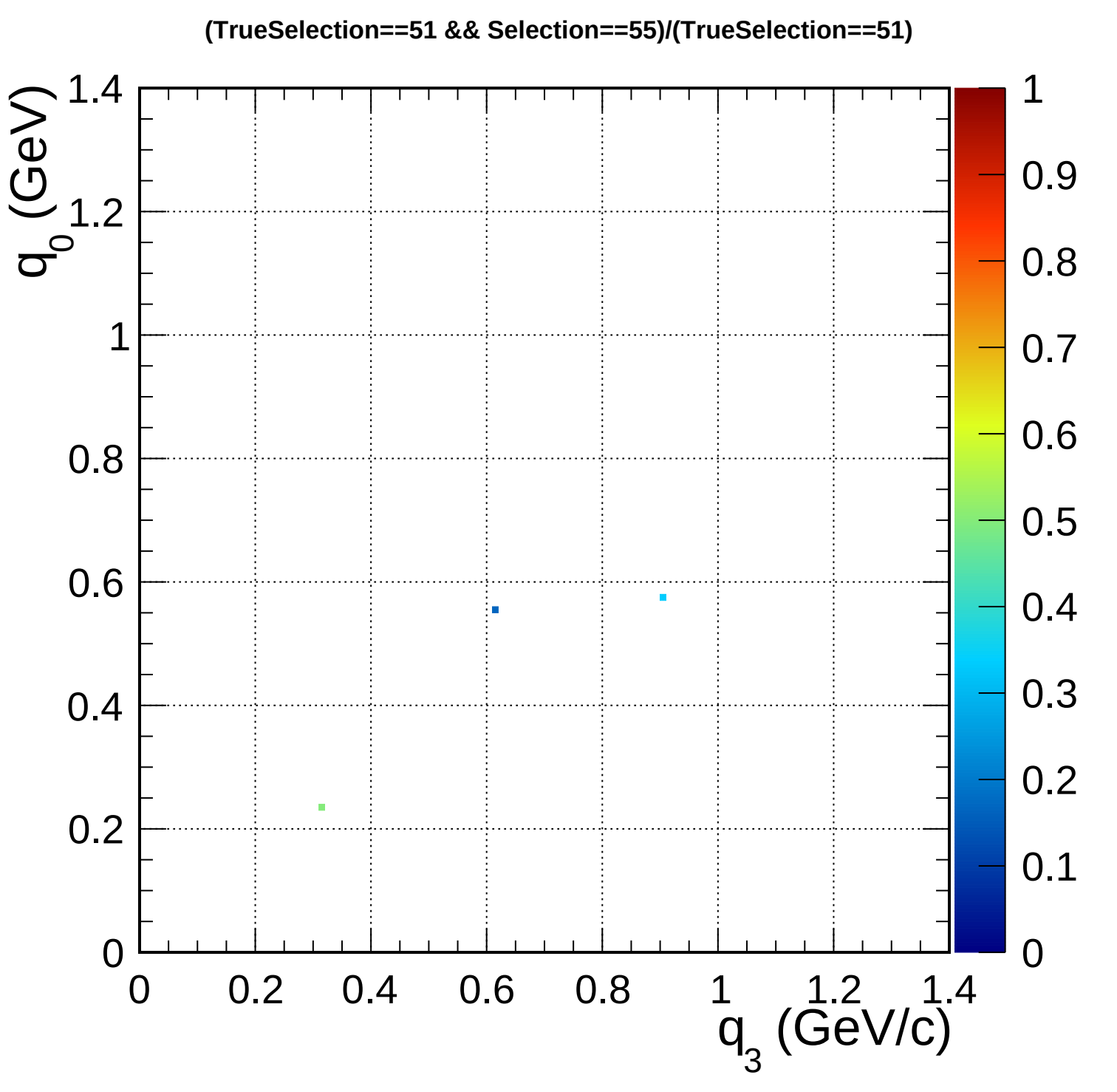

TrueSelection==51 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

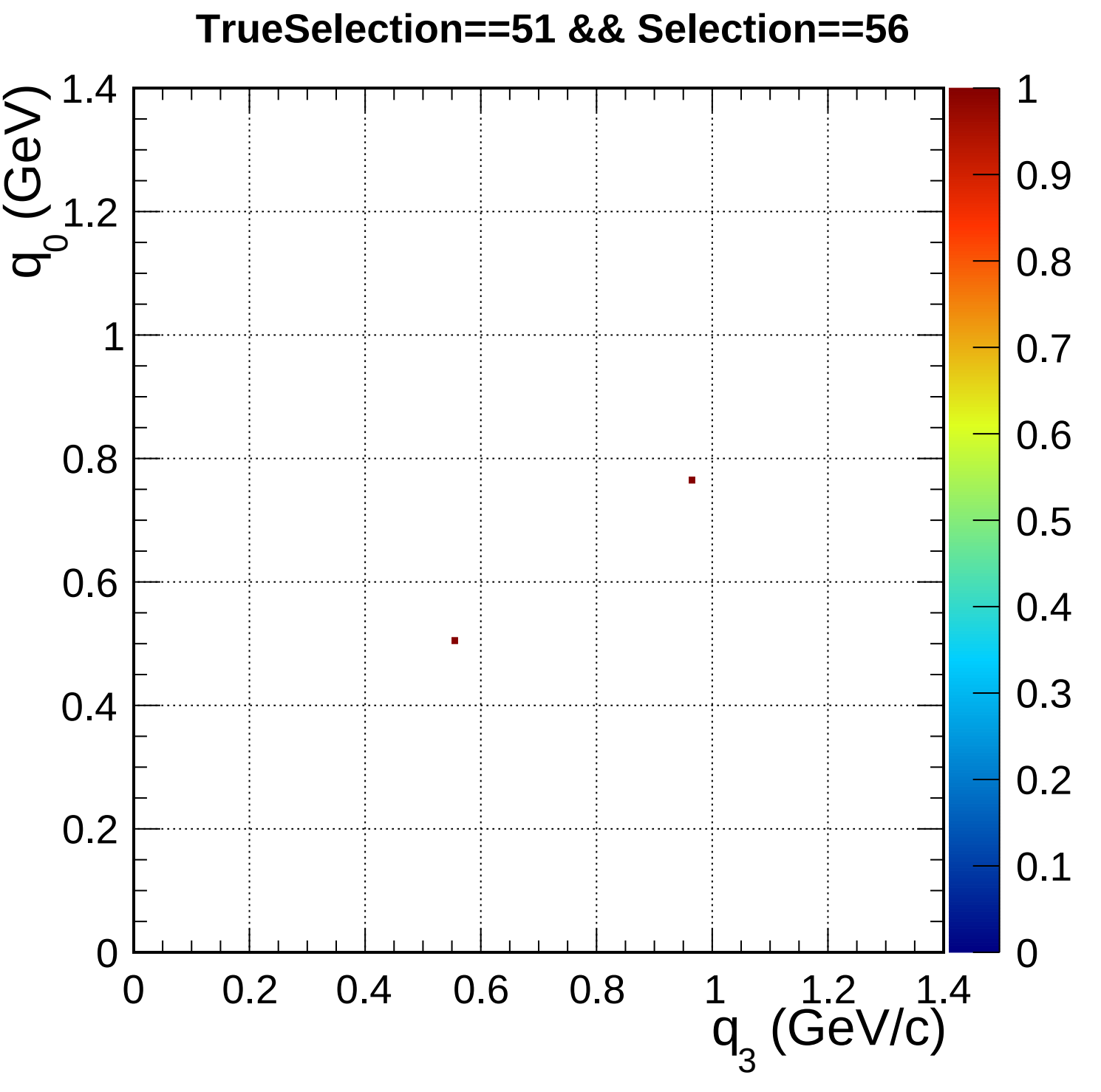

(TrueSelection==51 && Selection==50)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

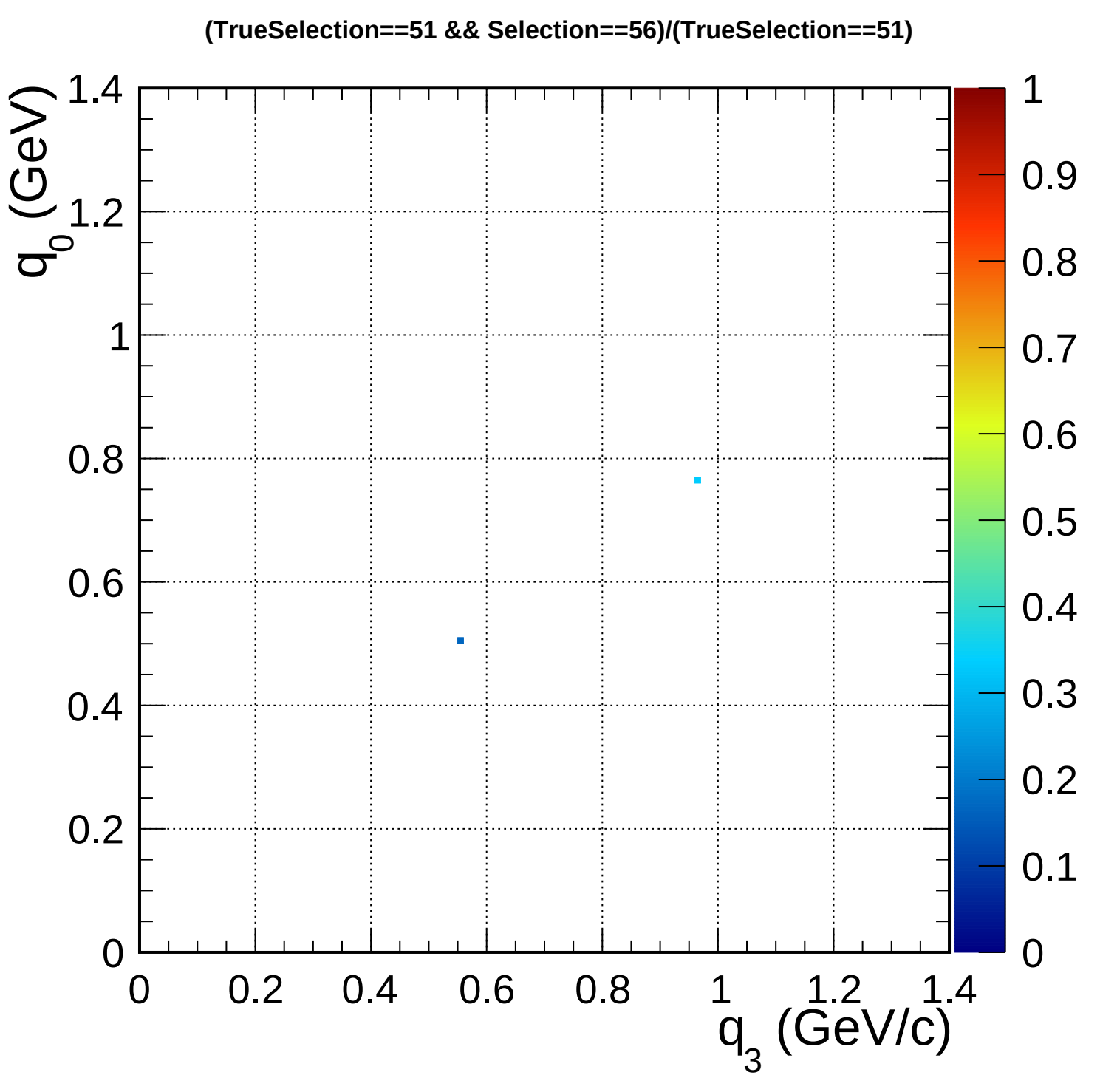

TrueSelection==51 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

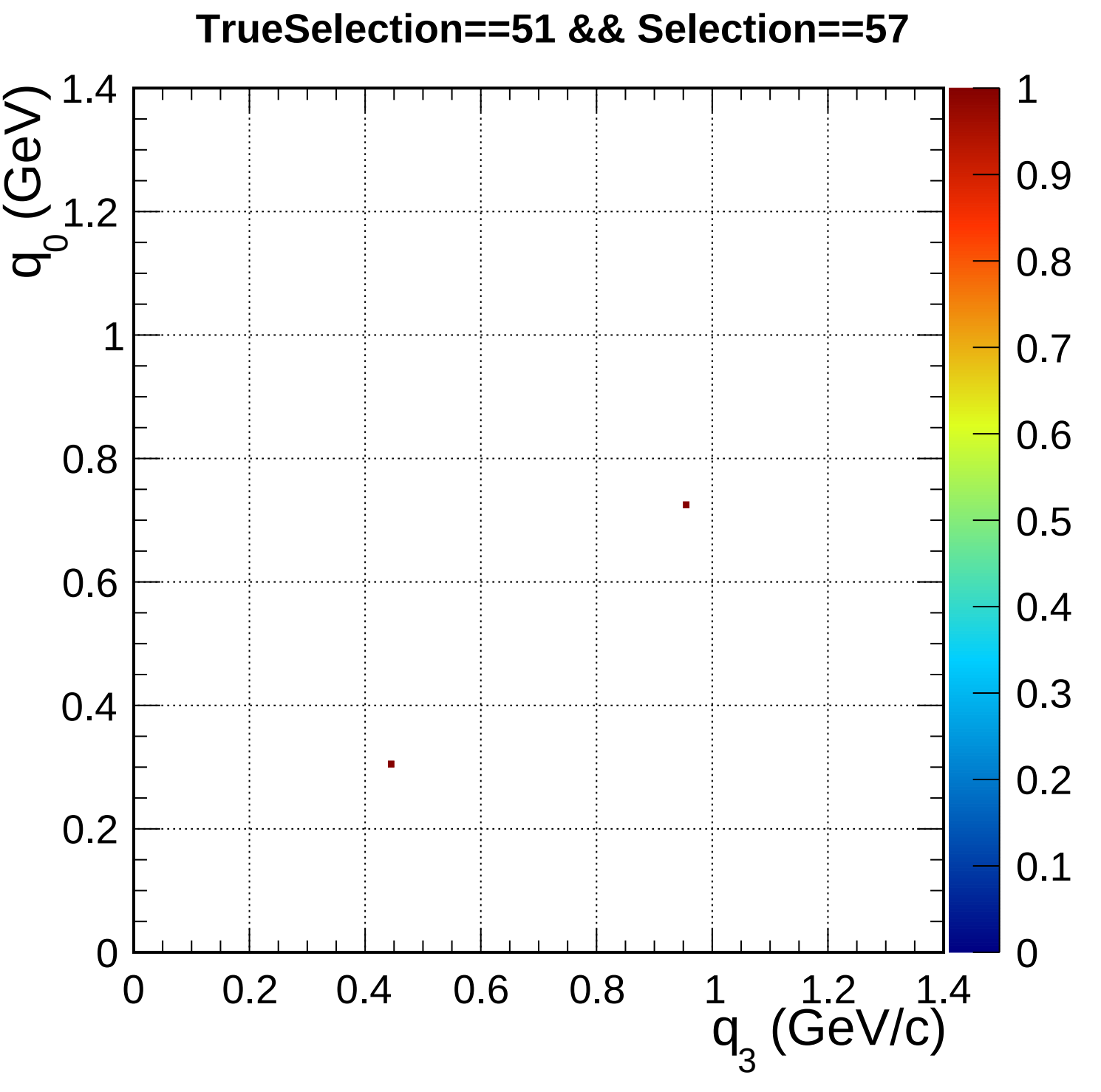

(TrueSelection==51 && Selection==51)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

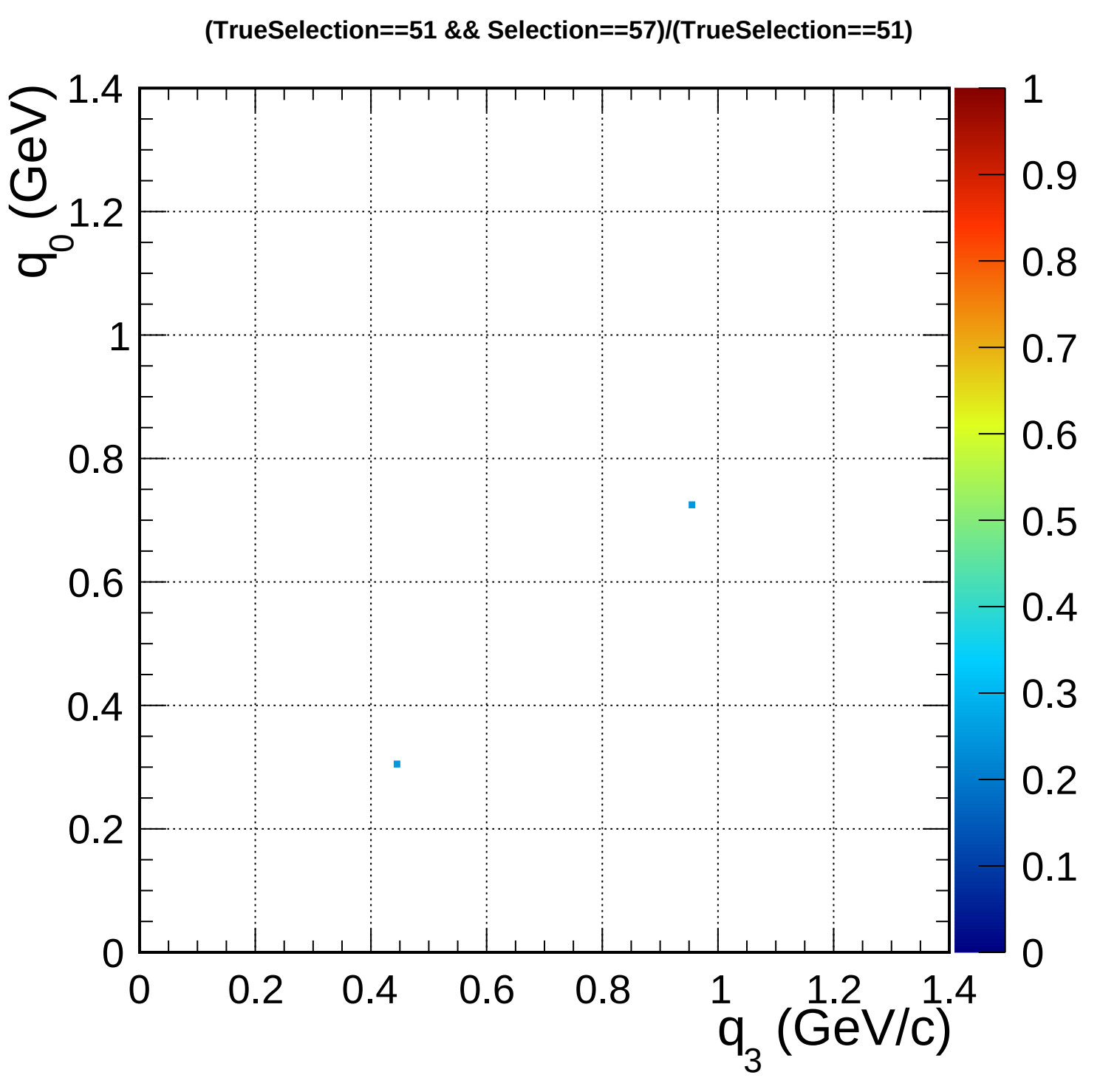

TrueSelection==51 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

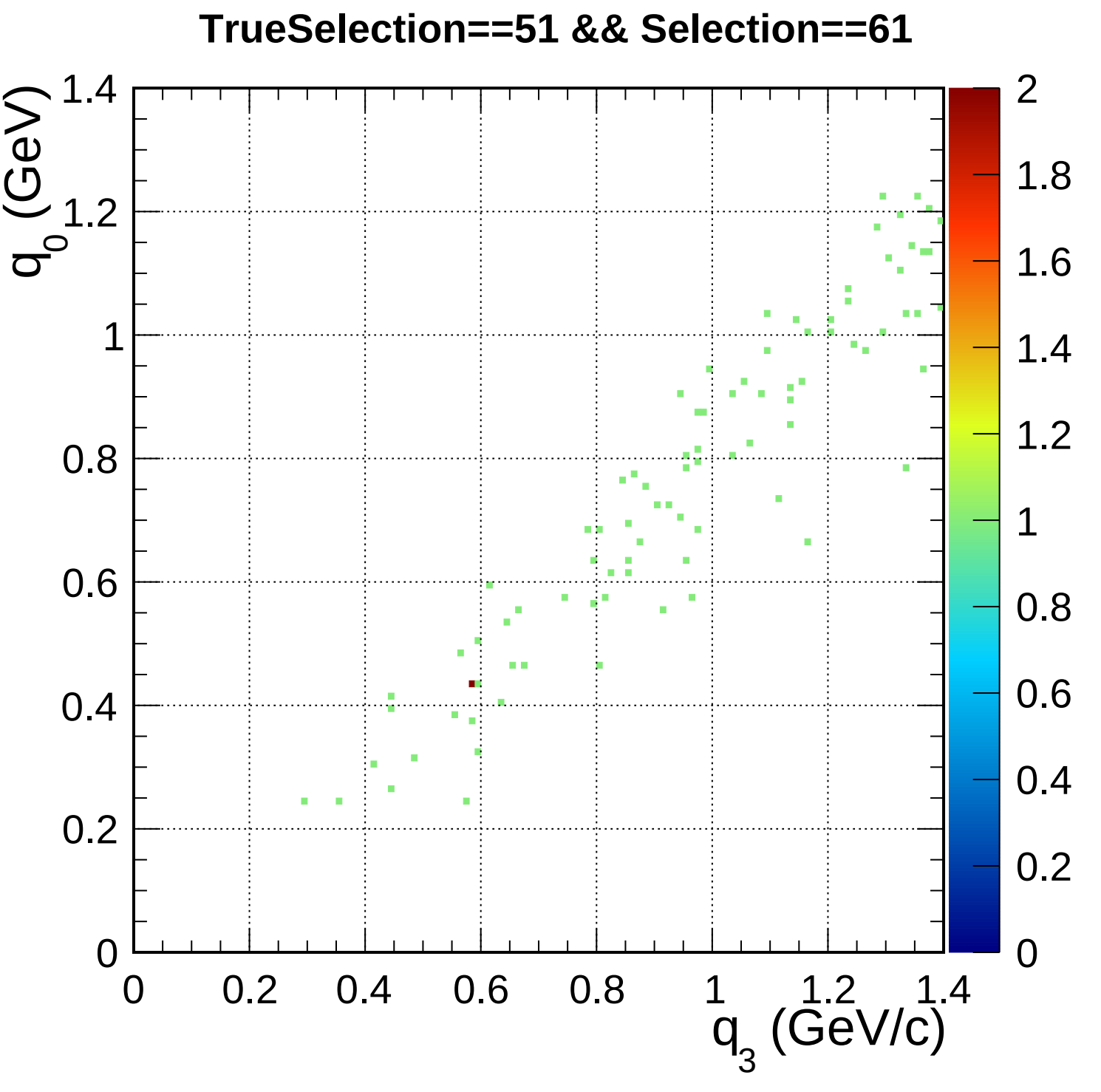

(TrueSelection==51 && Selection==55)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

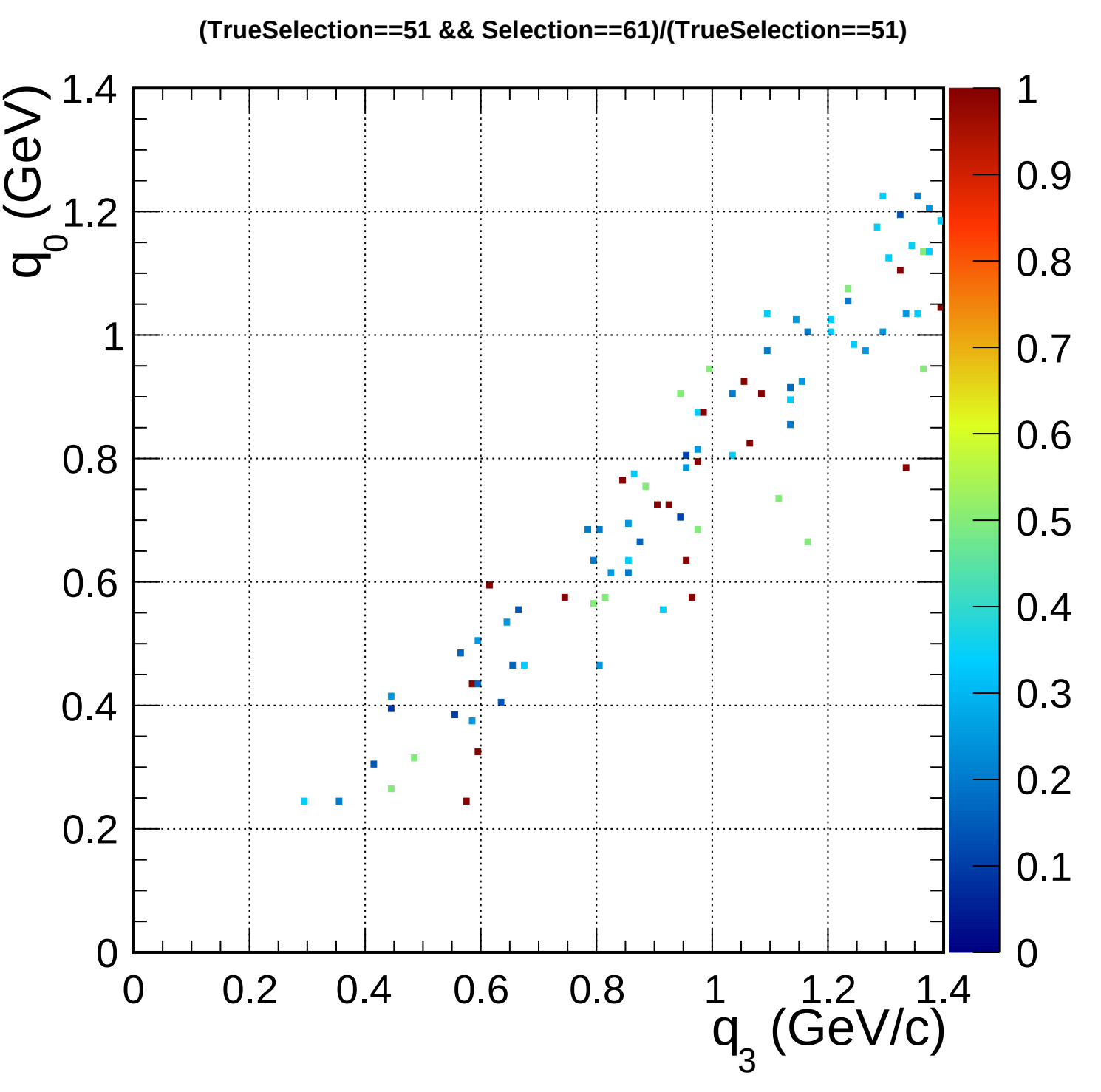

TrueSelection==51 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

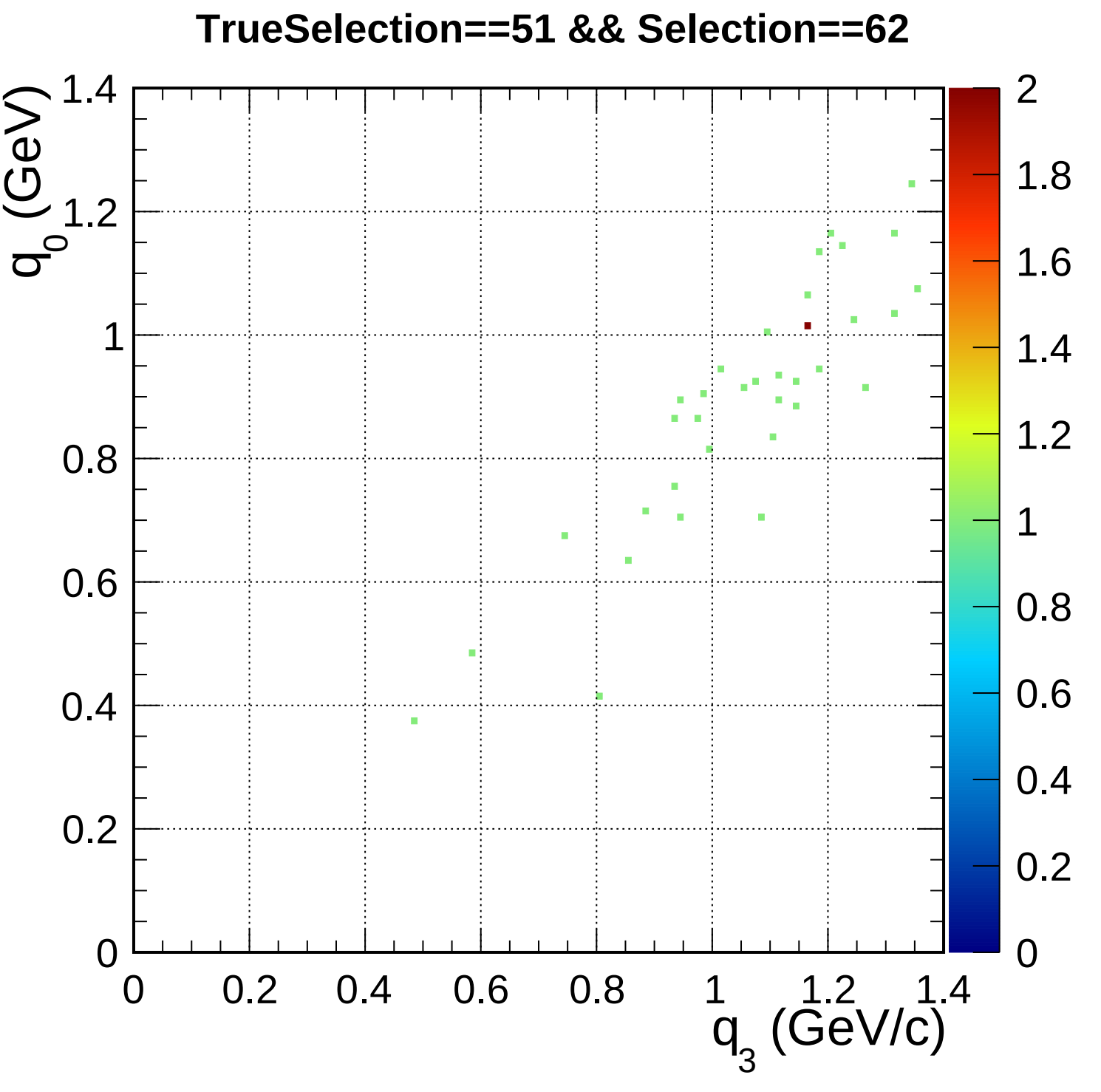

(TrueSelection==51 && Selection==56)/(TrueSelection==51)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

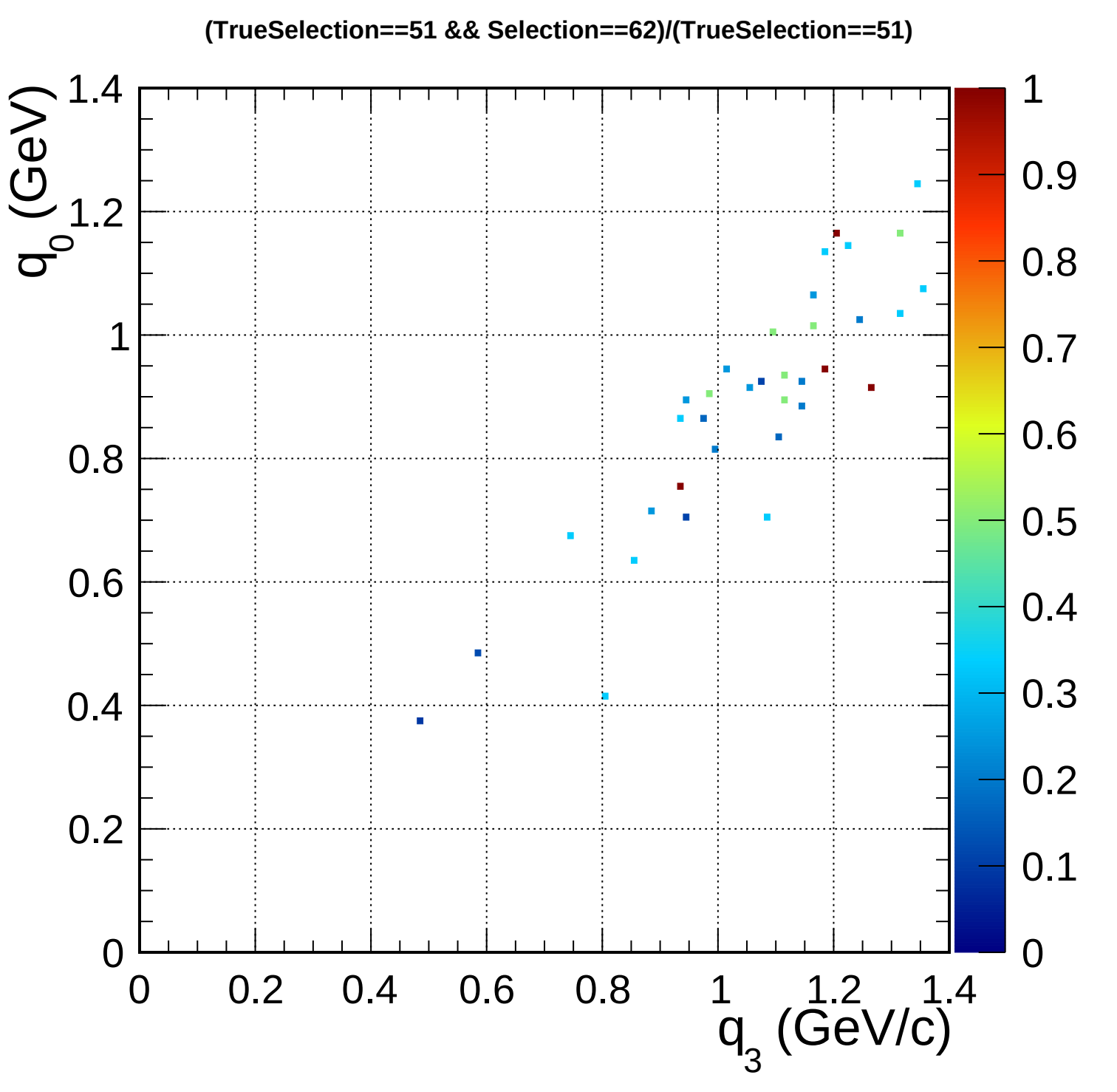

TrueSelection==51 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

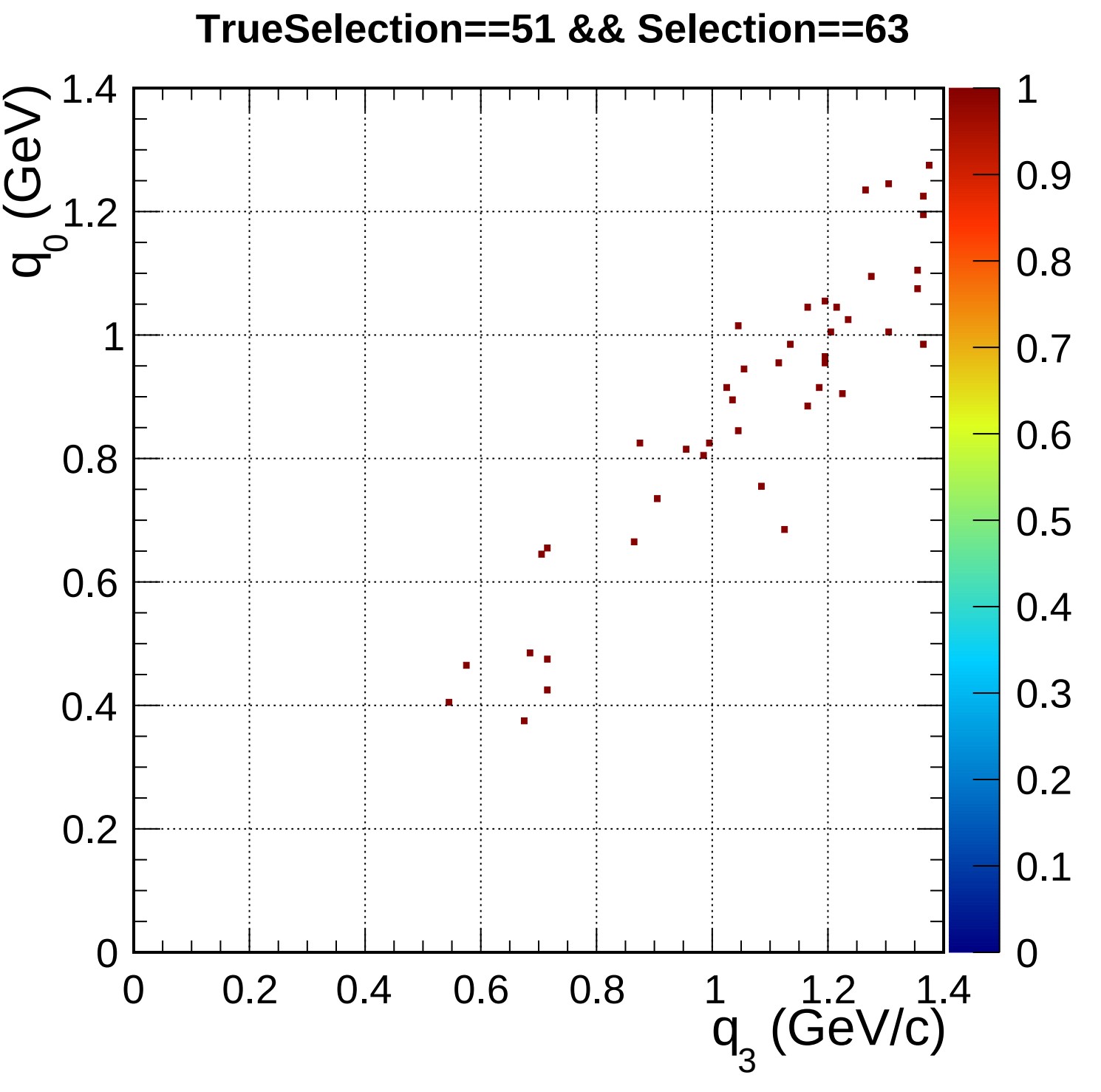

(TrueSelection==51 && Selection==57)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

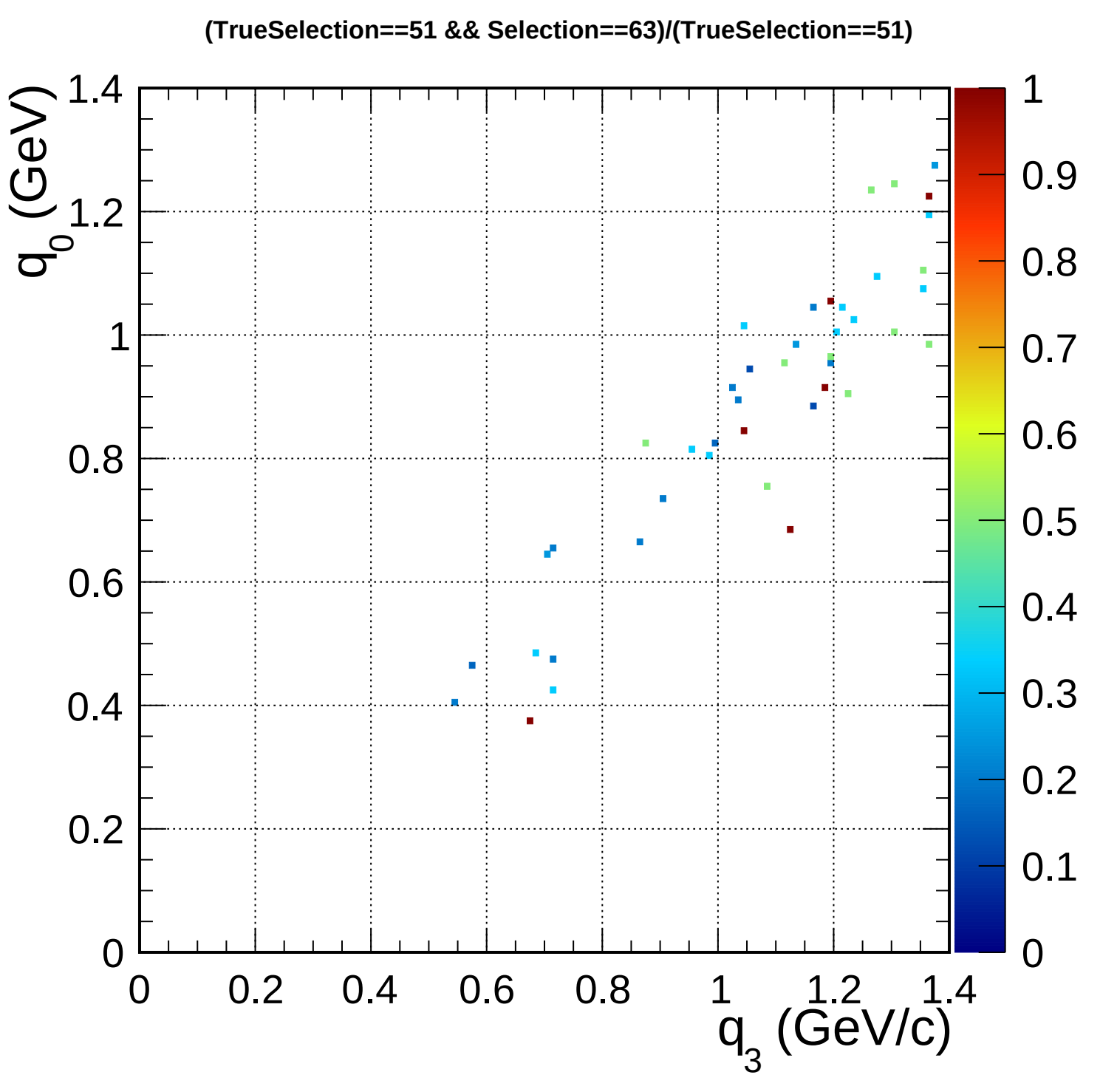

TrueSelection==51 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

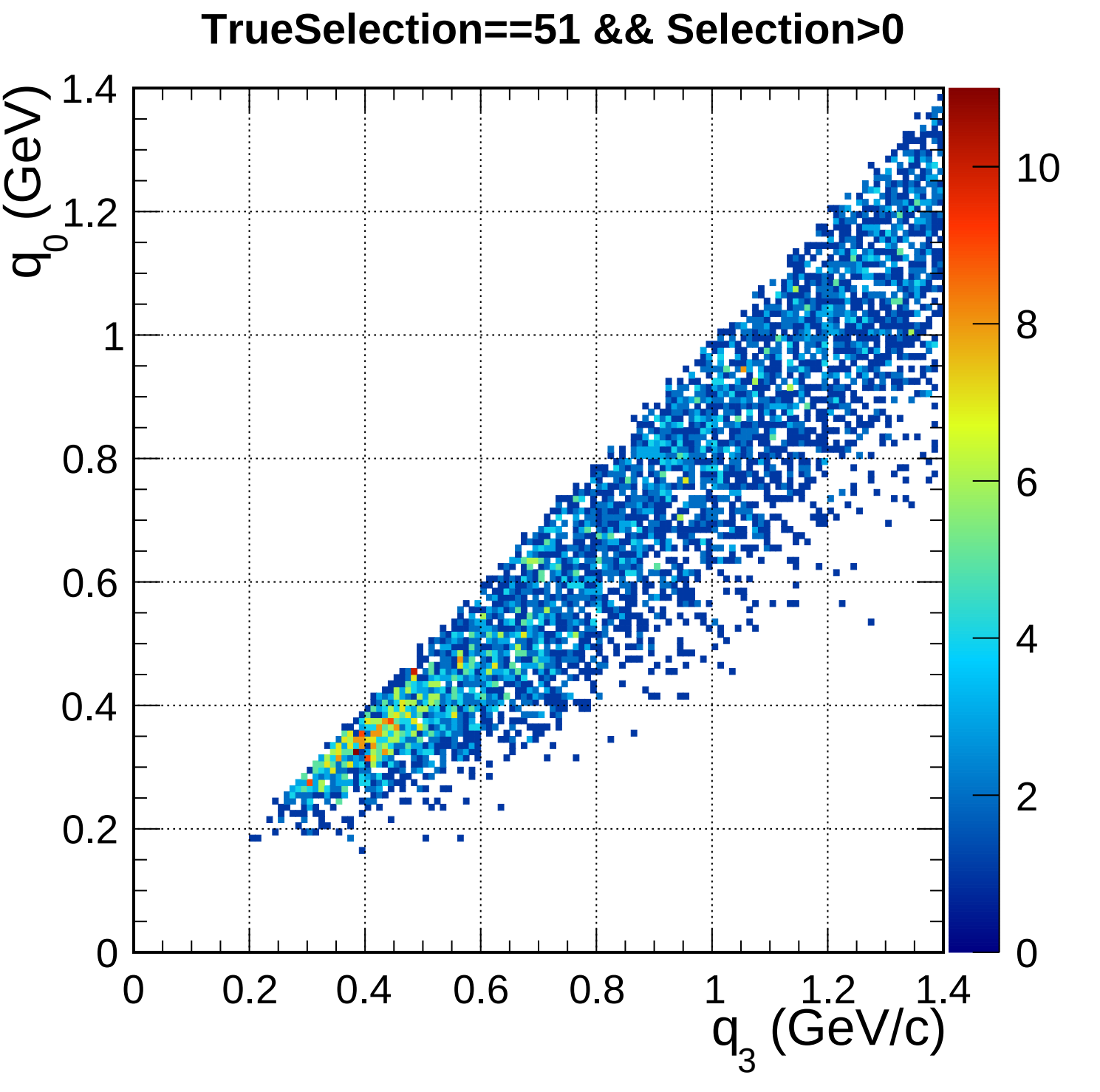

(TrueSelection==51 && Selection==61)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

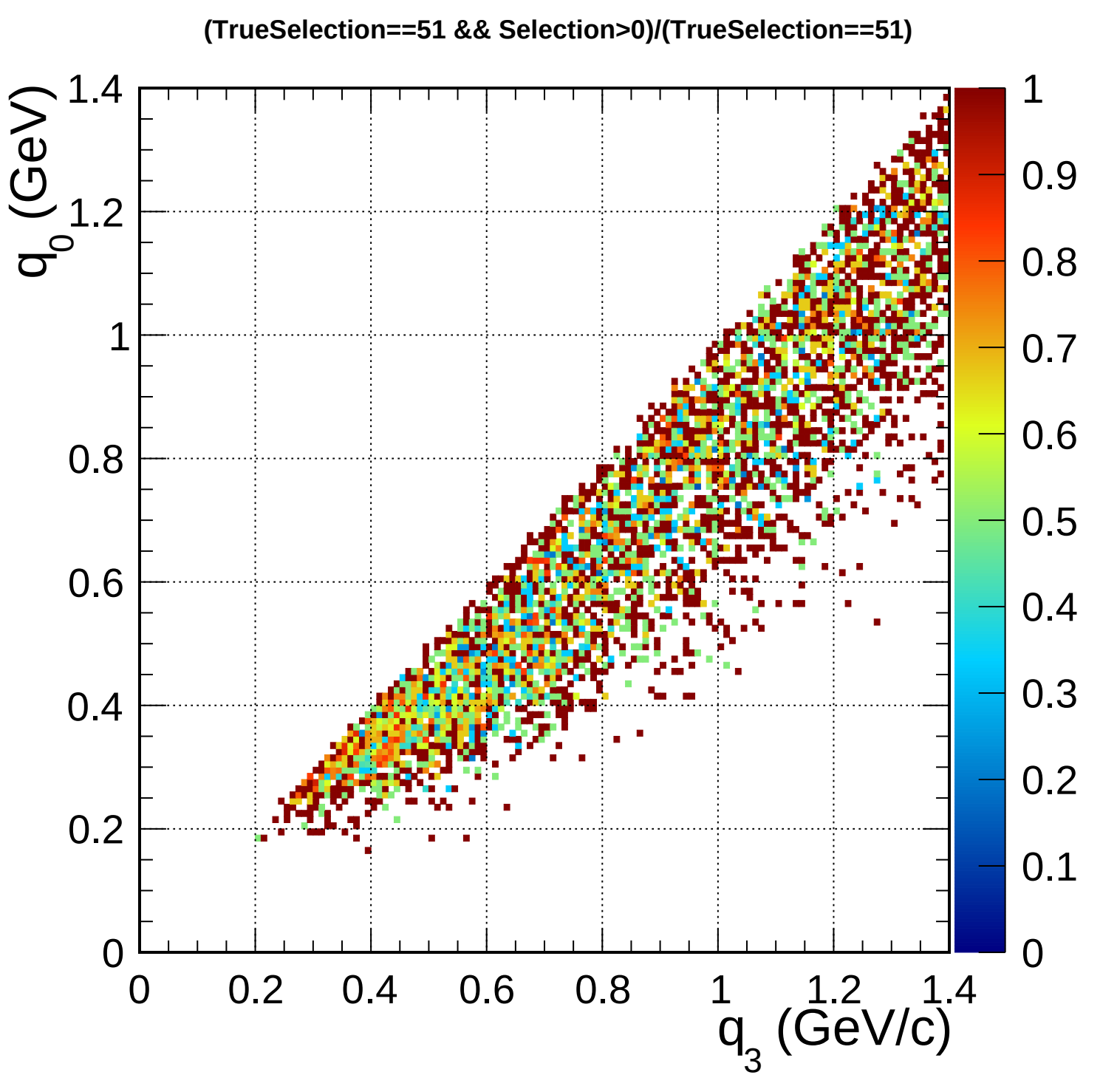

TrueSelection==51 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

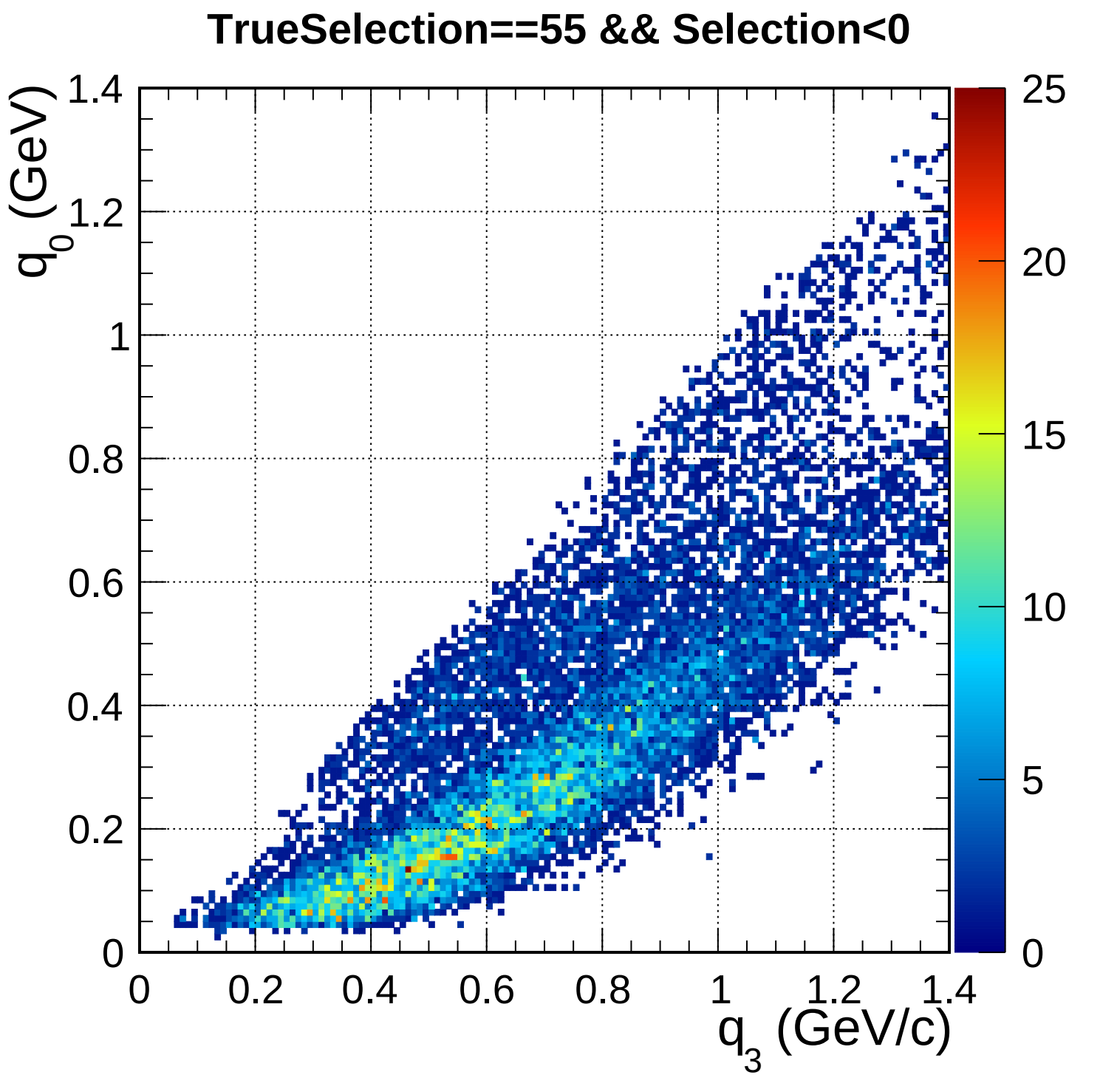

(TrueSelection==51 && Selection==62)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

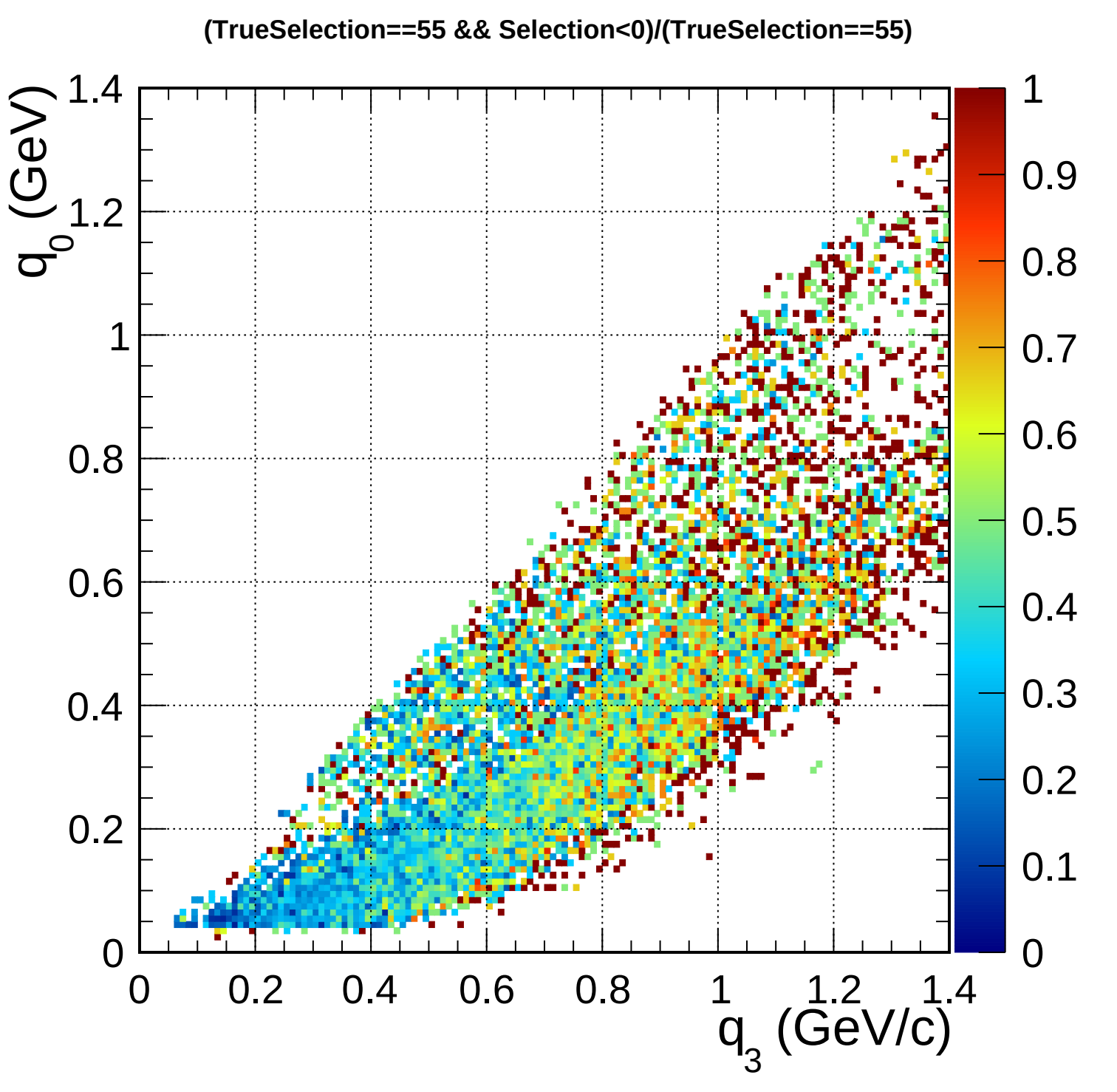

TrueSelection==51 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

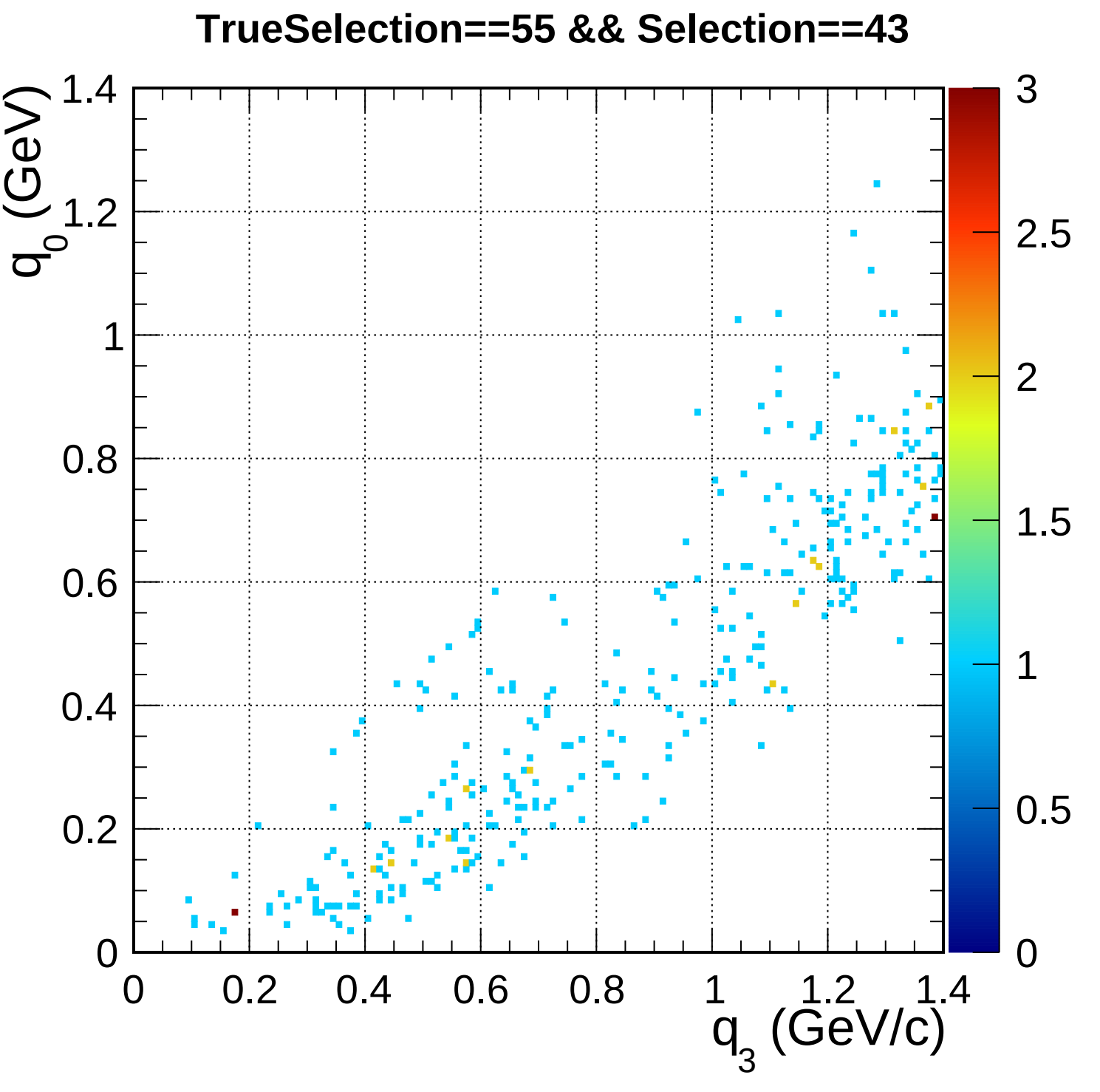

(TrueSelection==51 && Selection==63)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

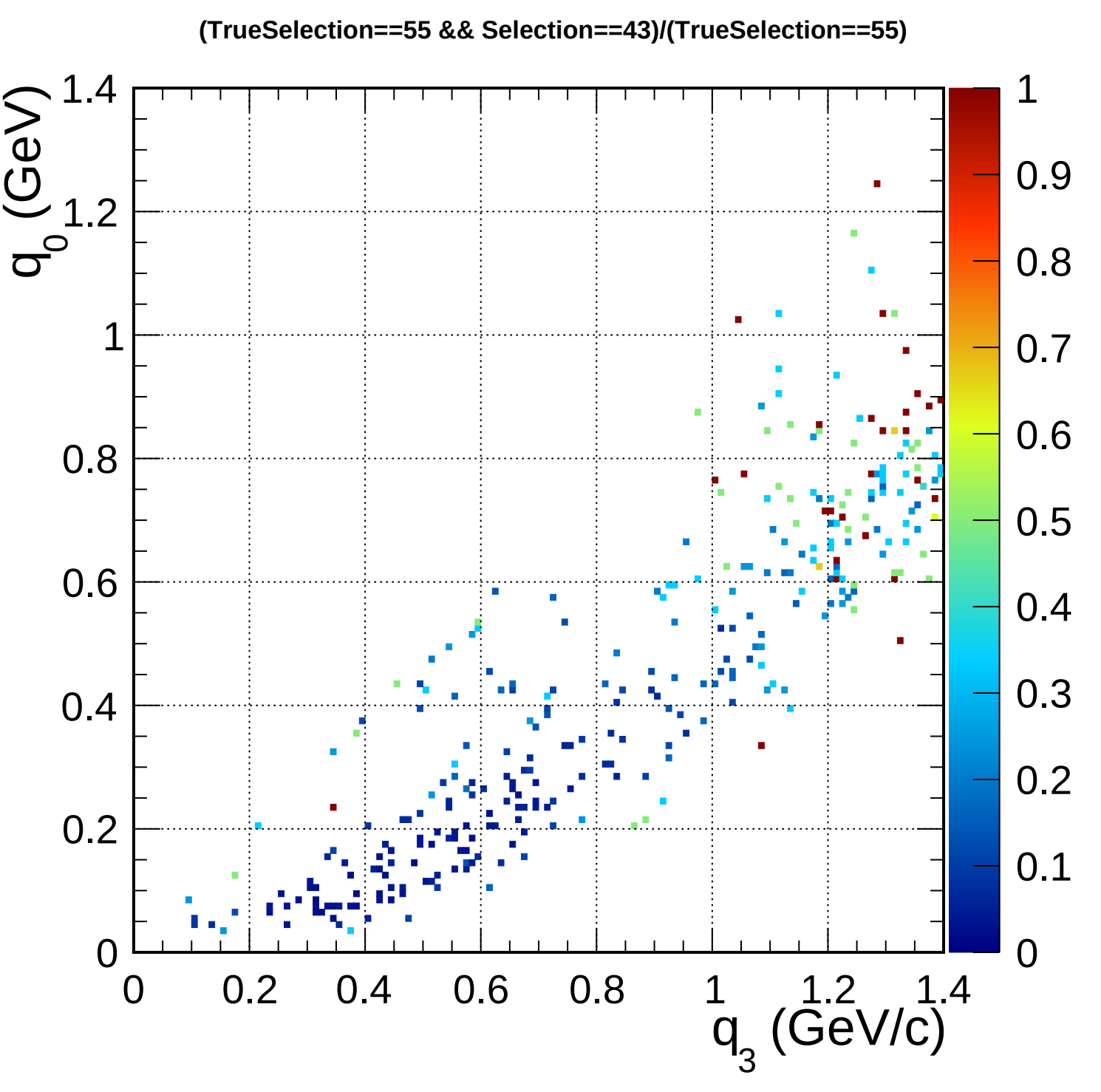

TrueSelection==51 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10

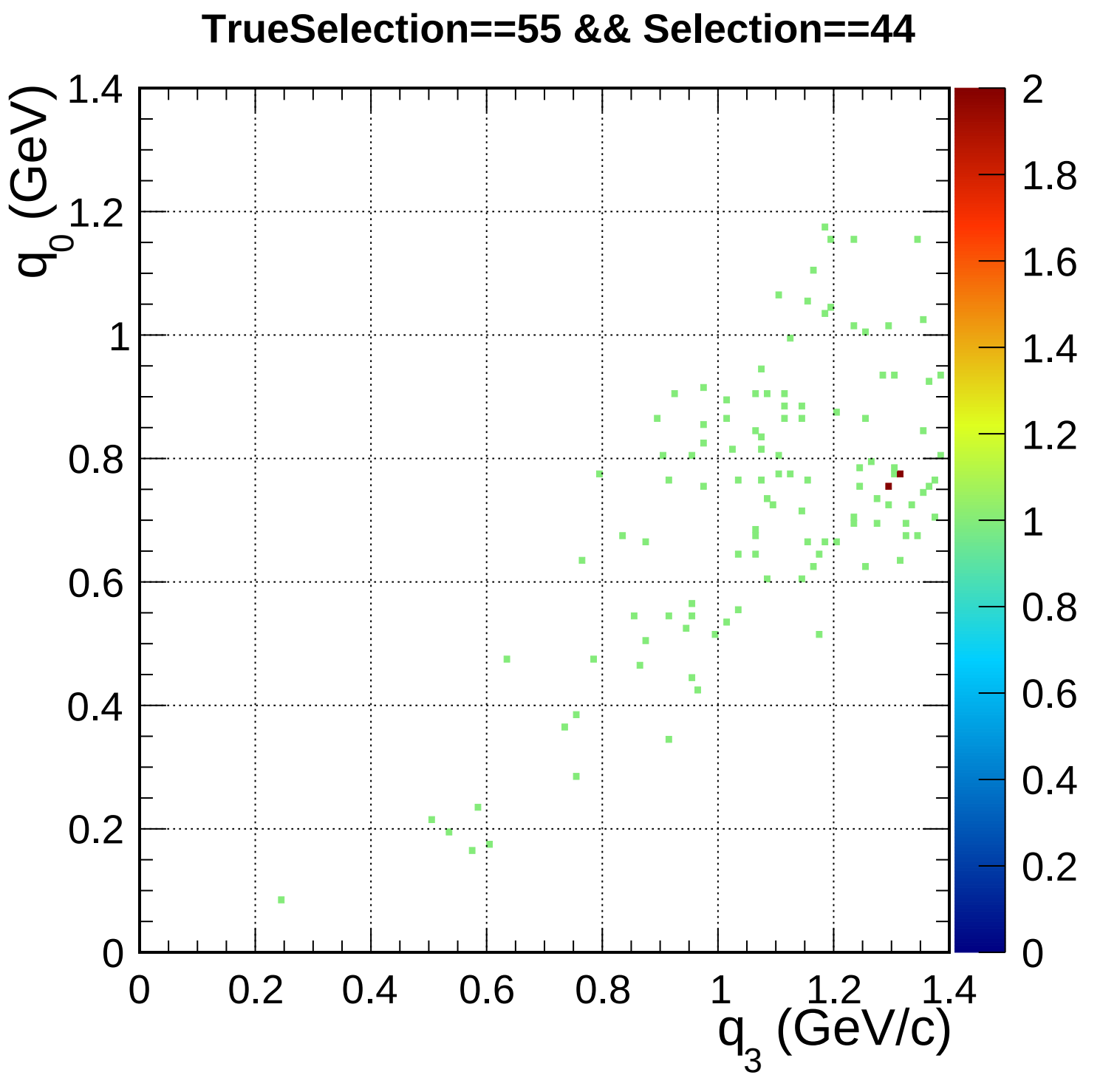

(TrueSelection==51 && Selection>0)/(TrueSelection==51)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

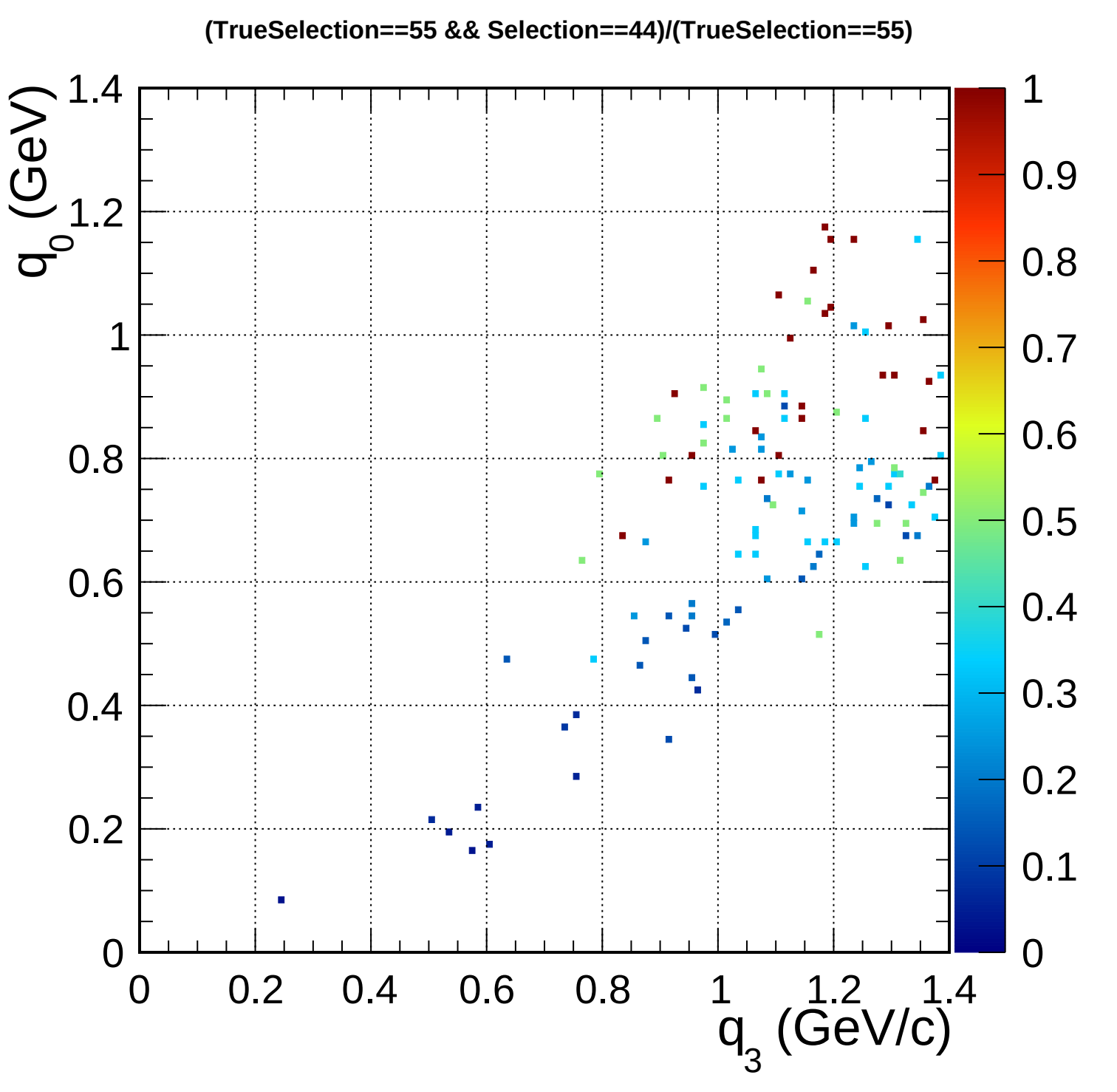

TrueSelection==55 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25

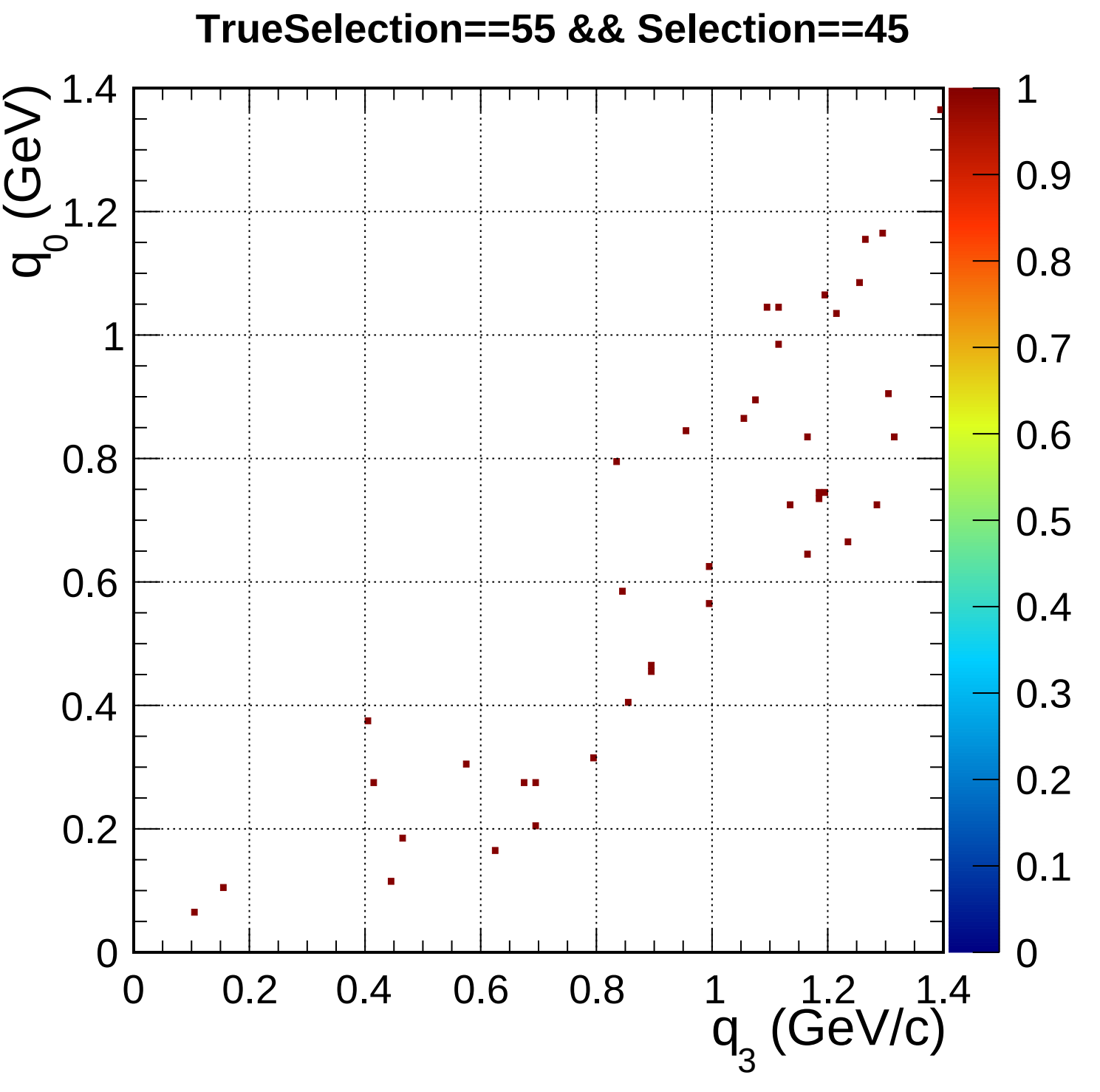

(TrueSelection==55 && Selection<0)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

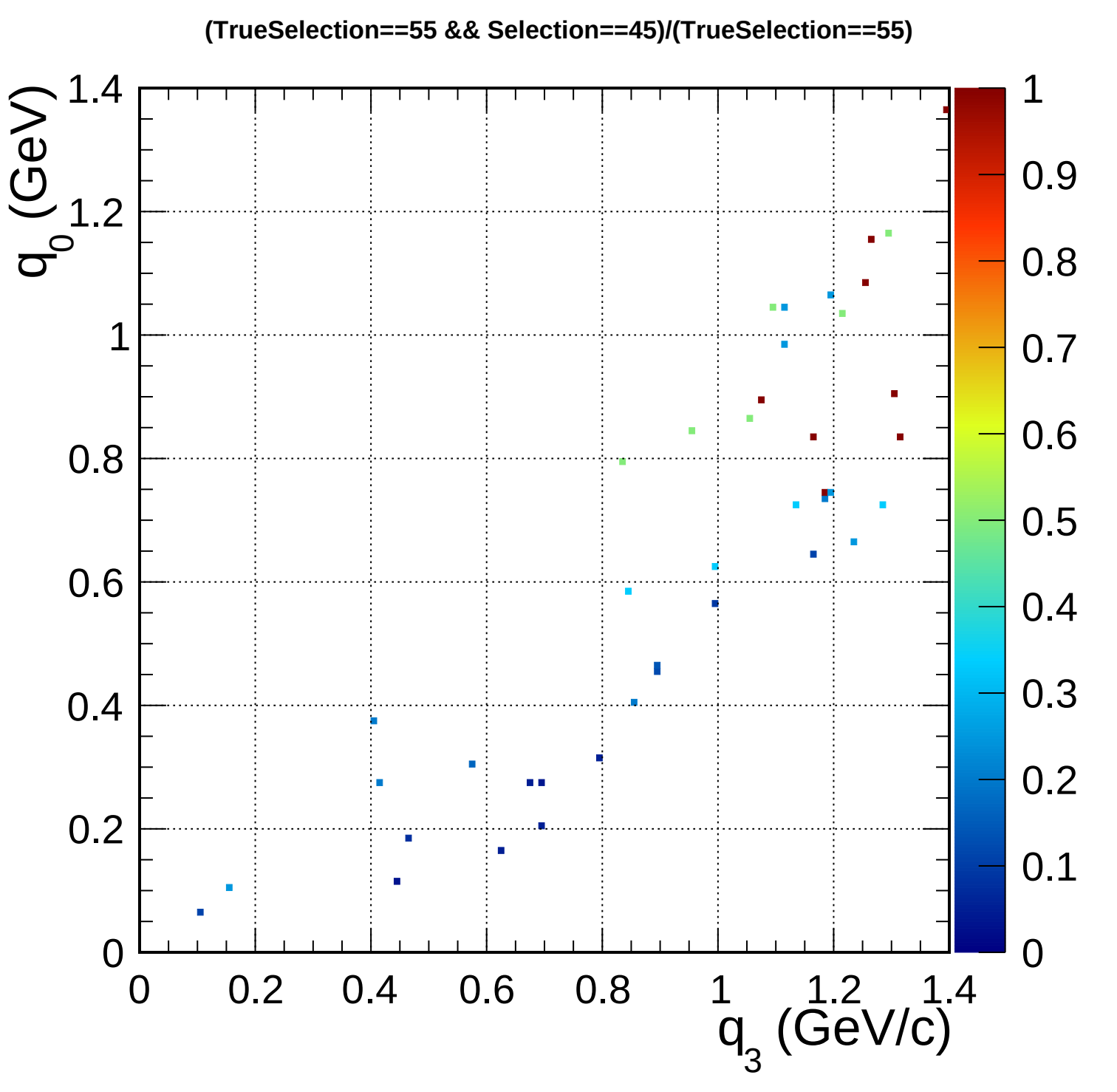

TrueSelection==55 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

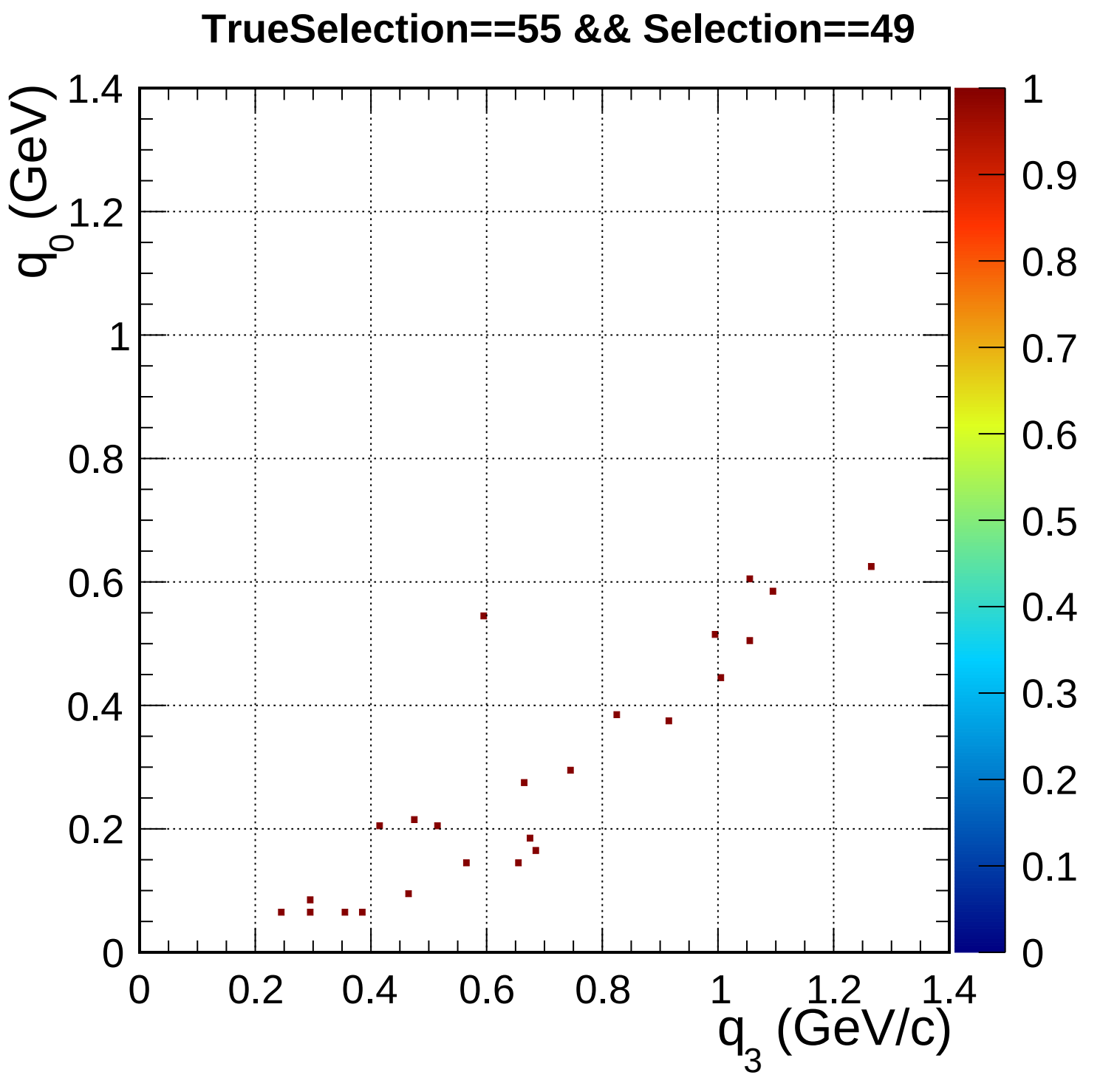

(TrueSelection==55 && Selection==43)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

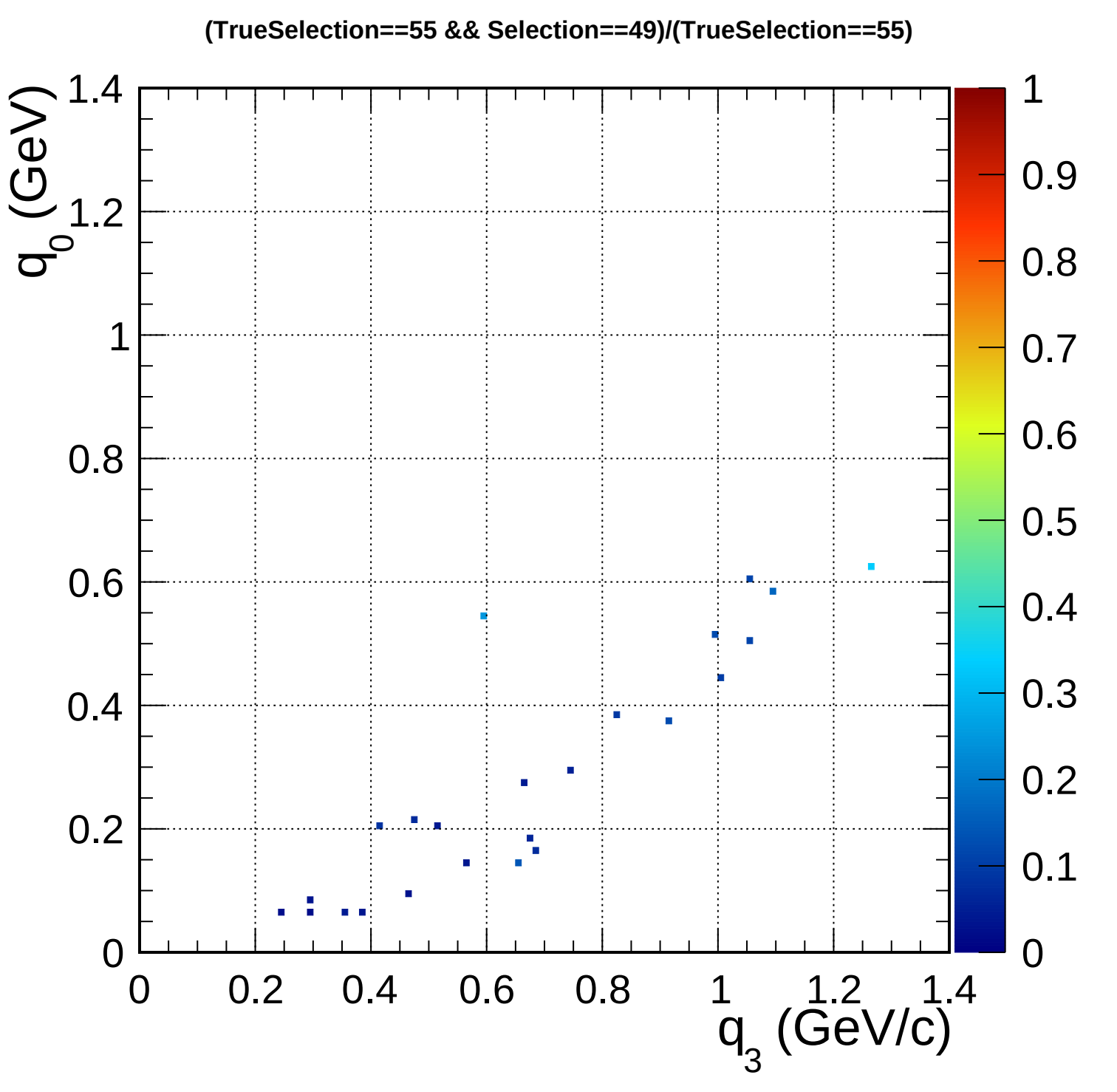

TrueSelection==55 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

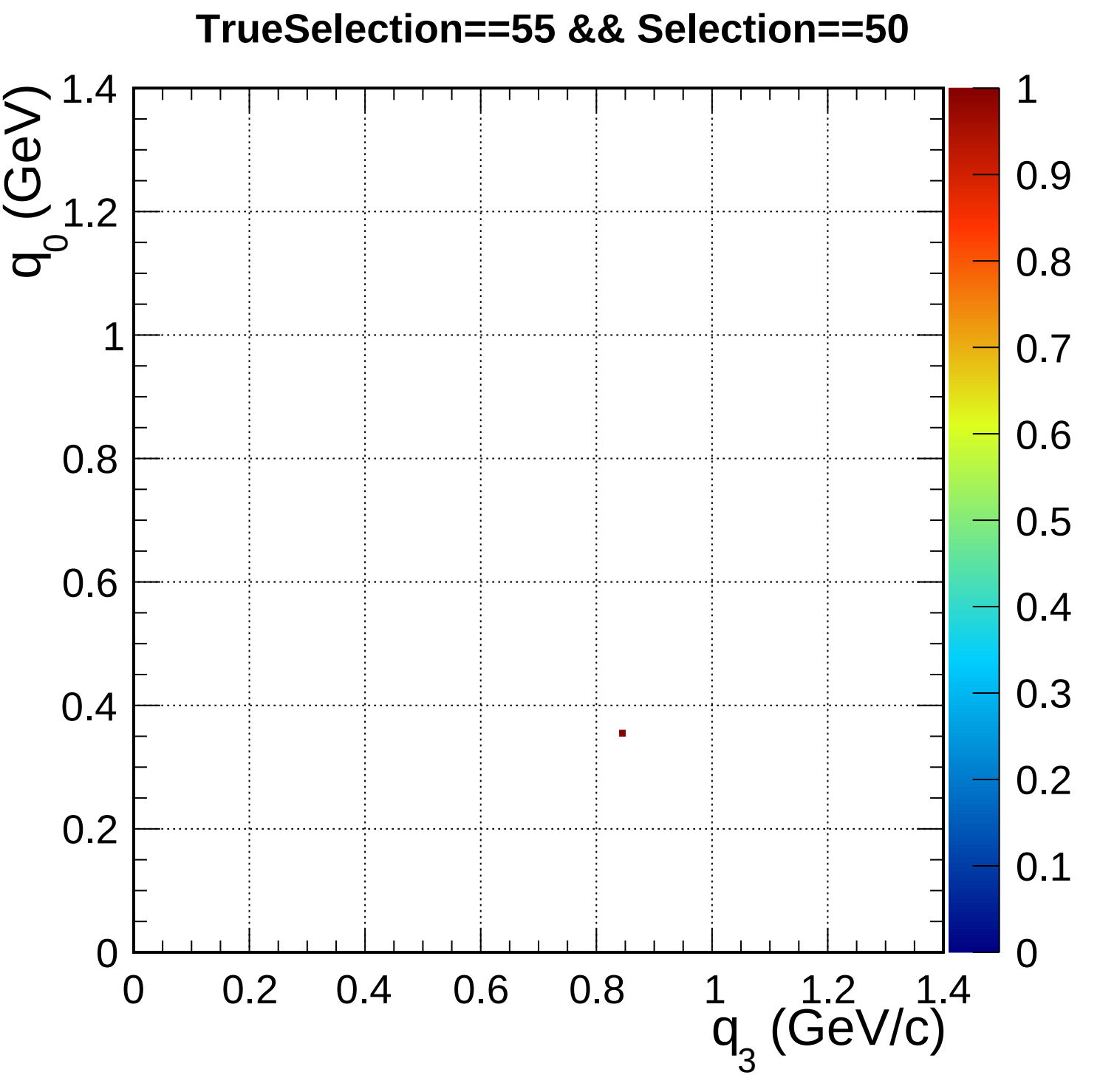

(TrueSelection==55 && Selection==44)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

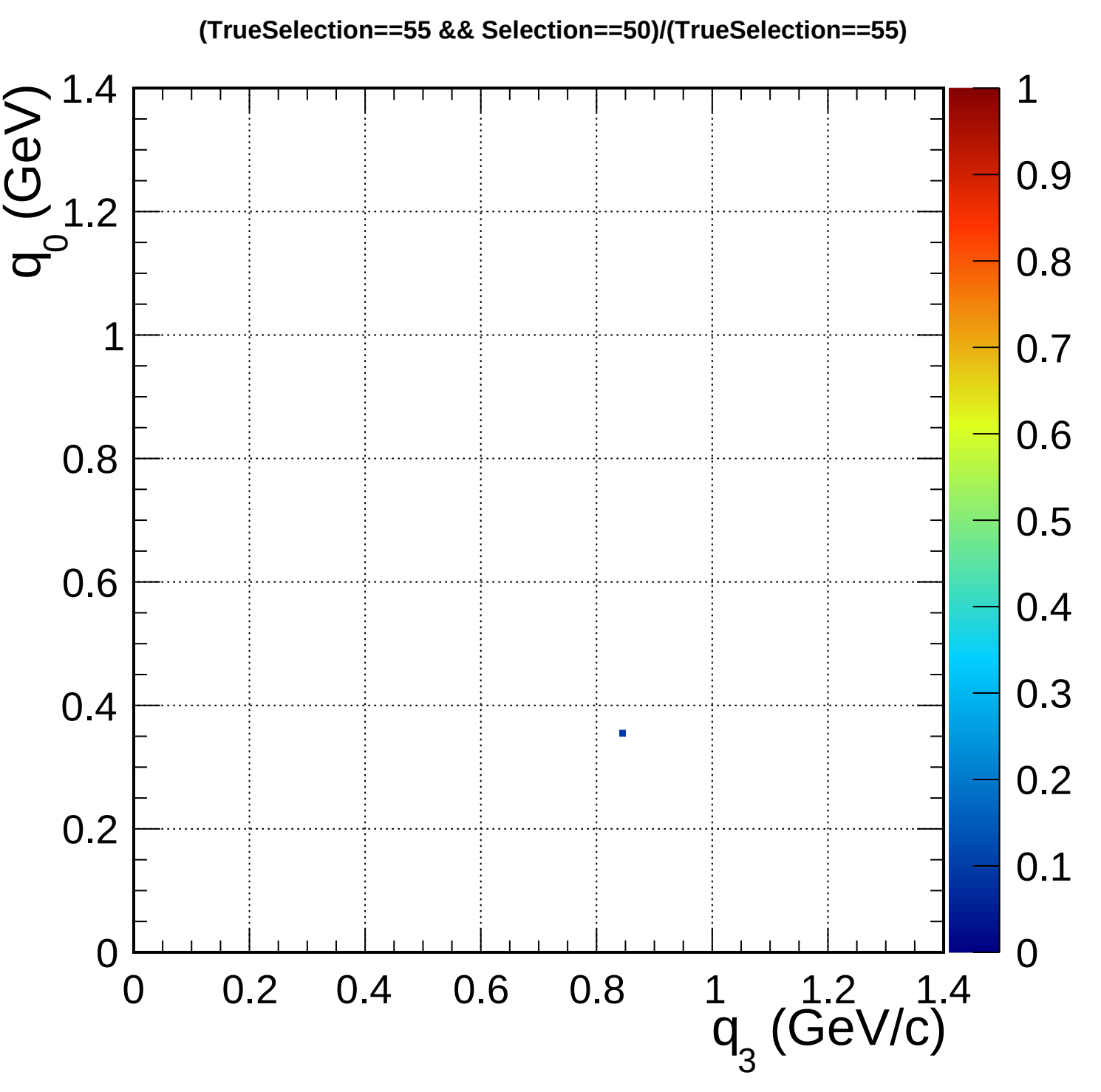

TrueSelection==55 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

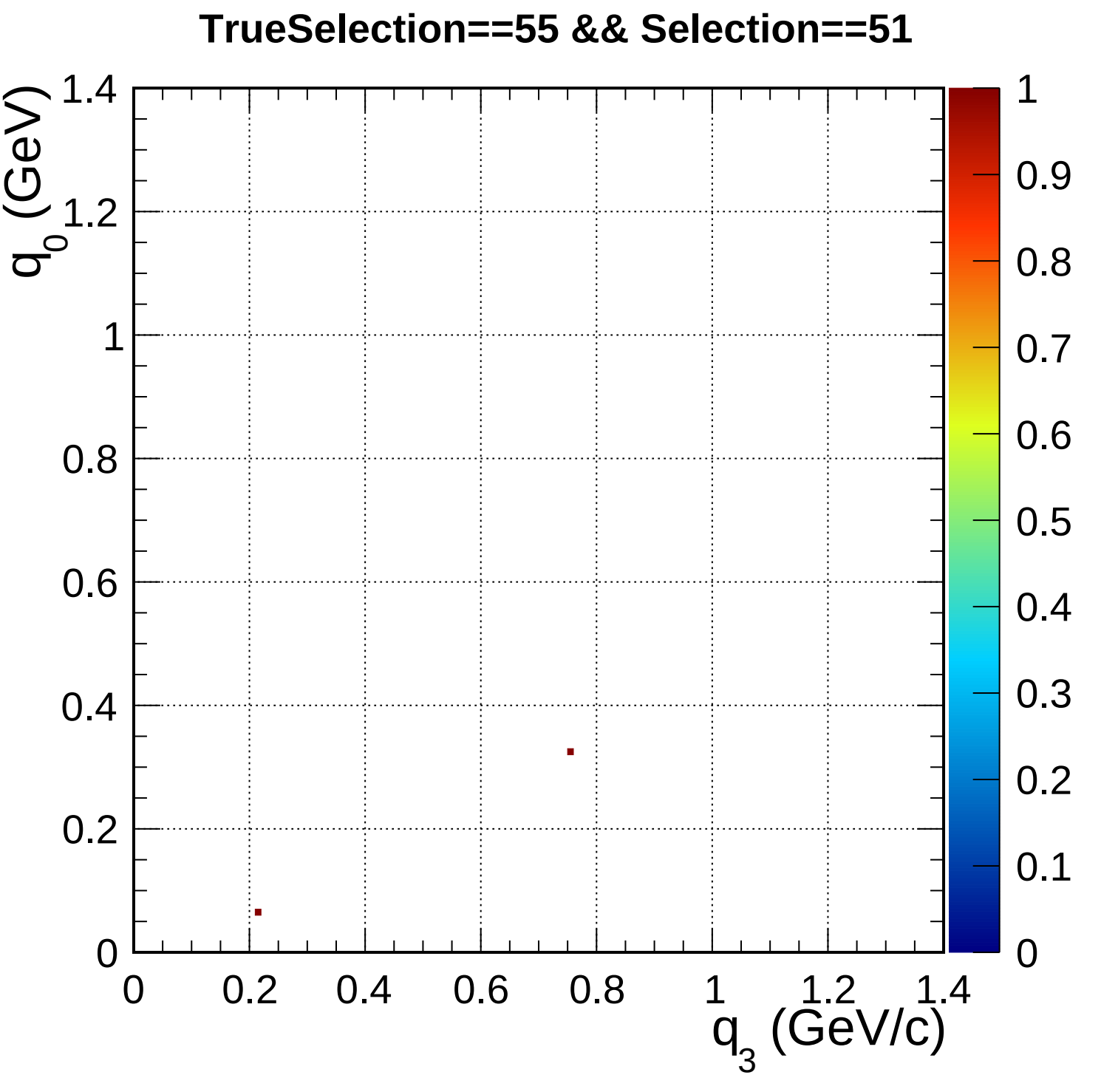

(TrueSelection==55 && Selection==45)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

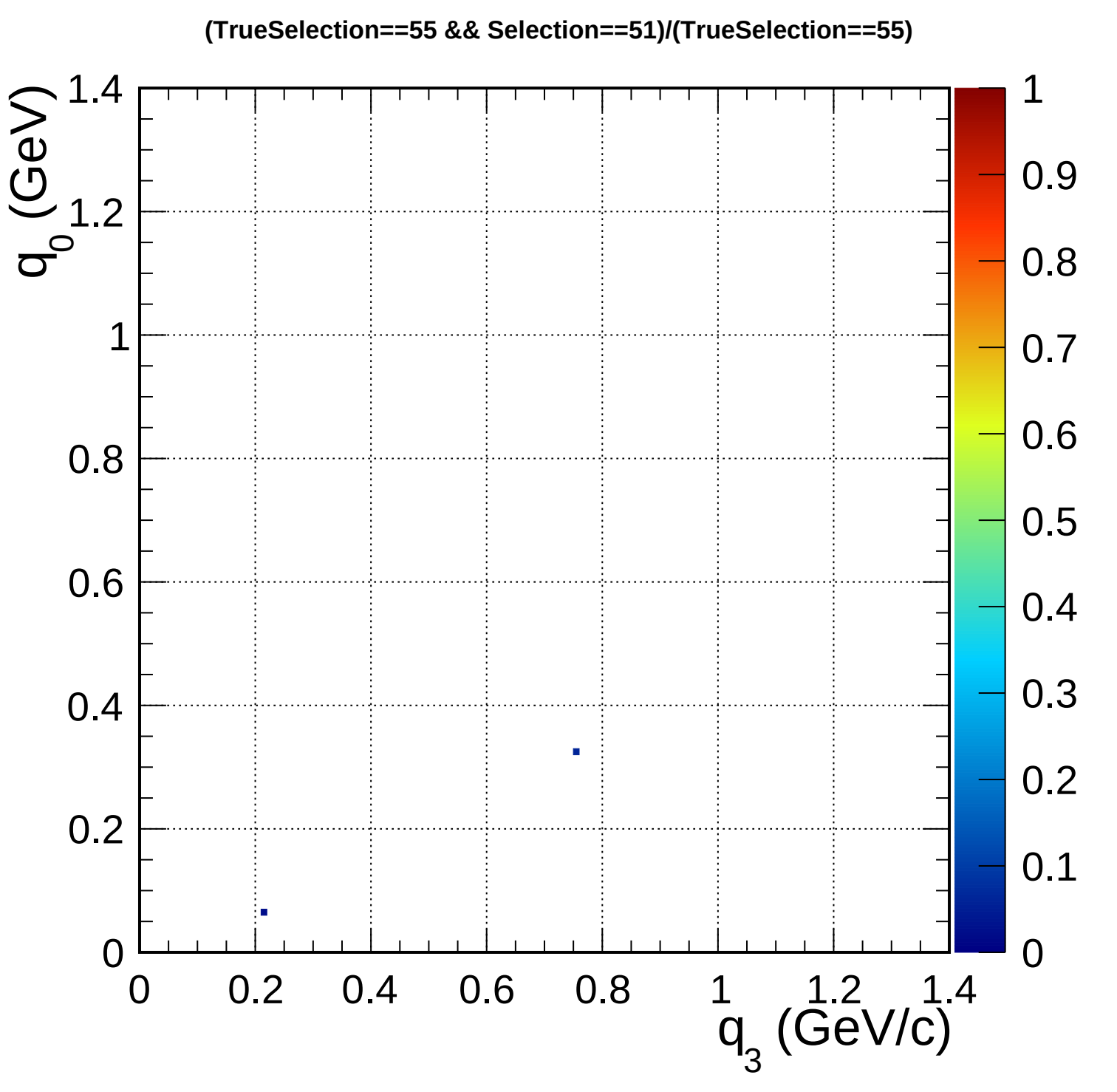

TrueSelection==55 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

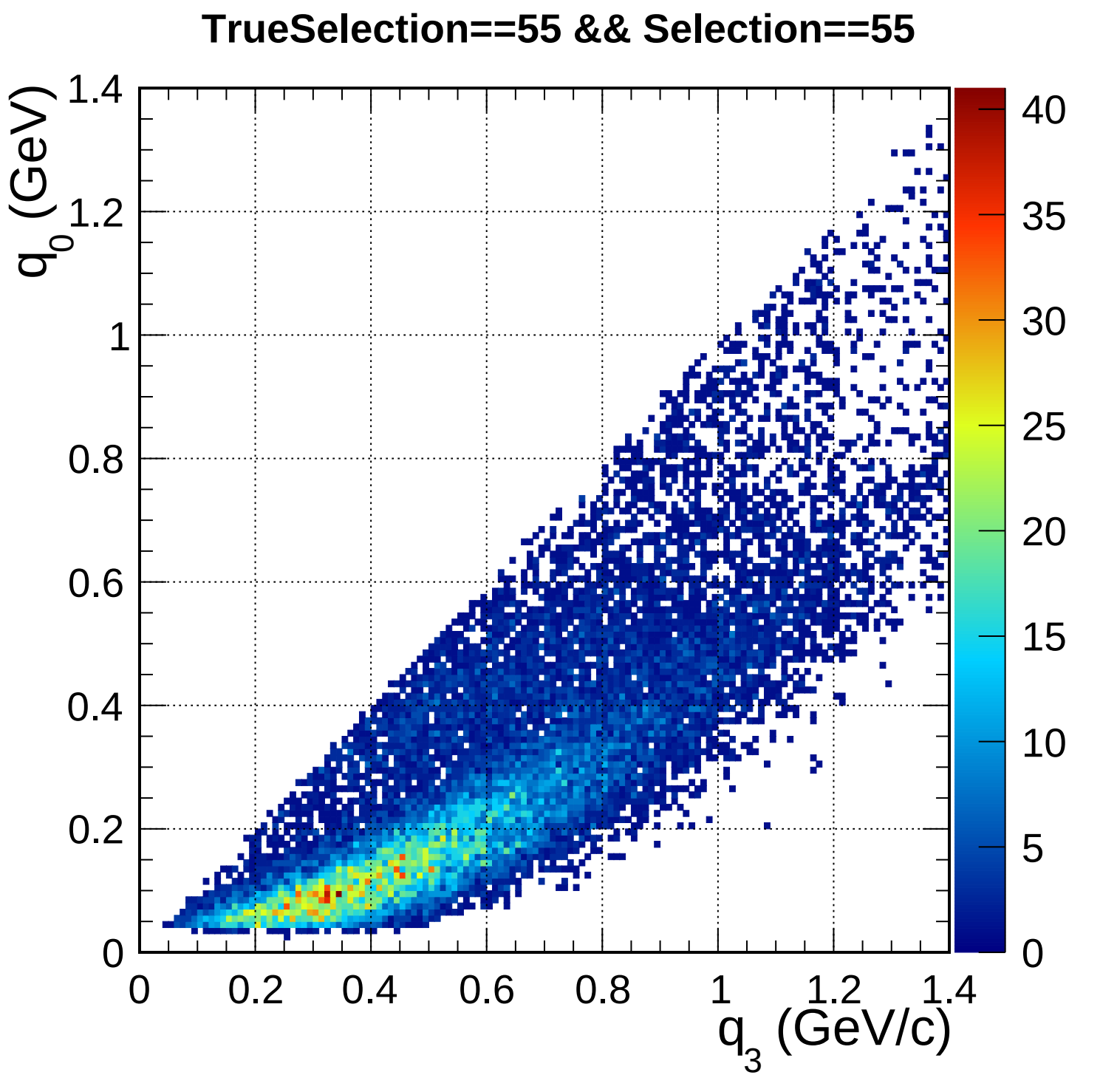

(TrueSelection==55 && Selection==49)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

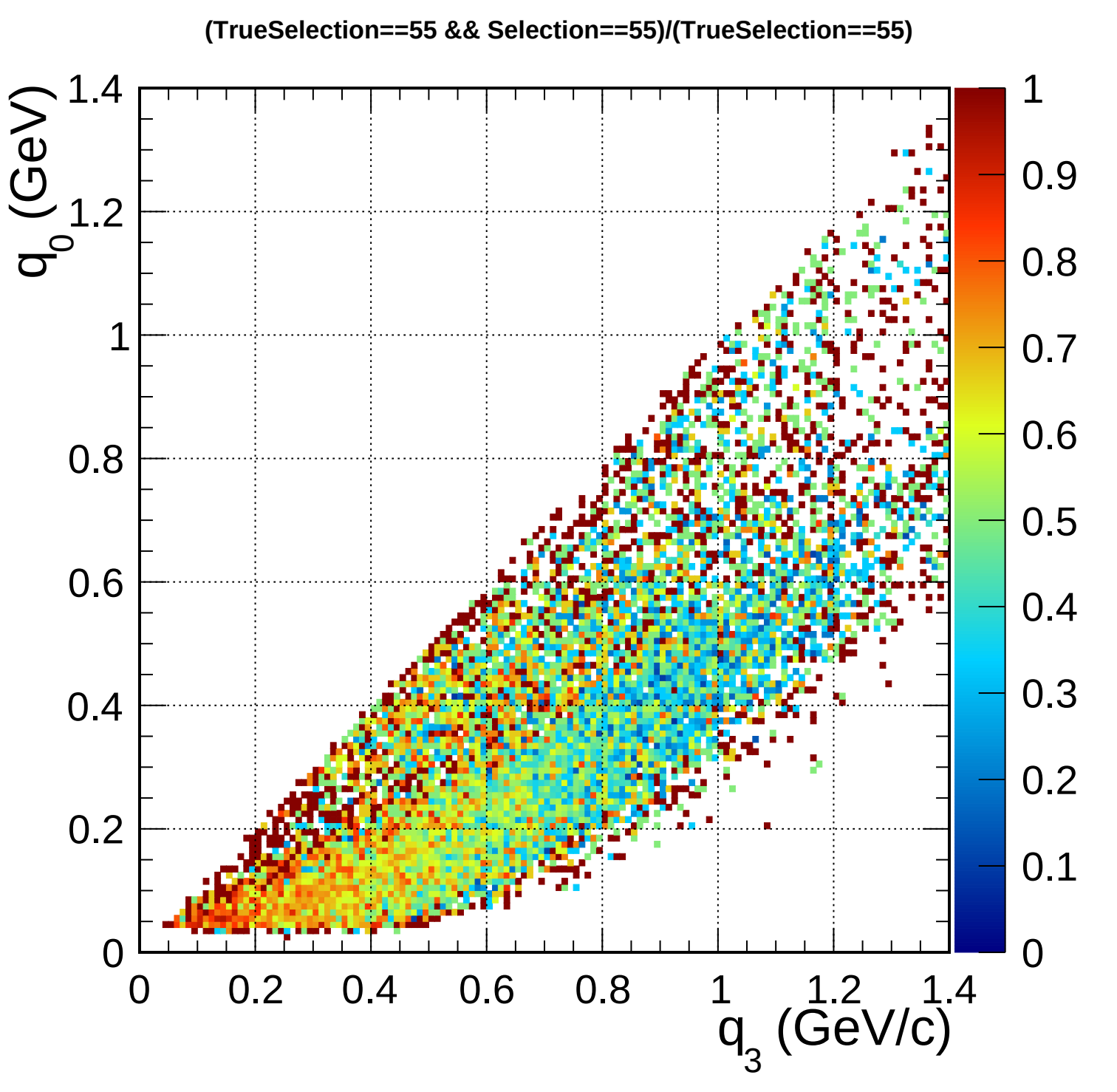

TrueSelection==55 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

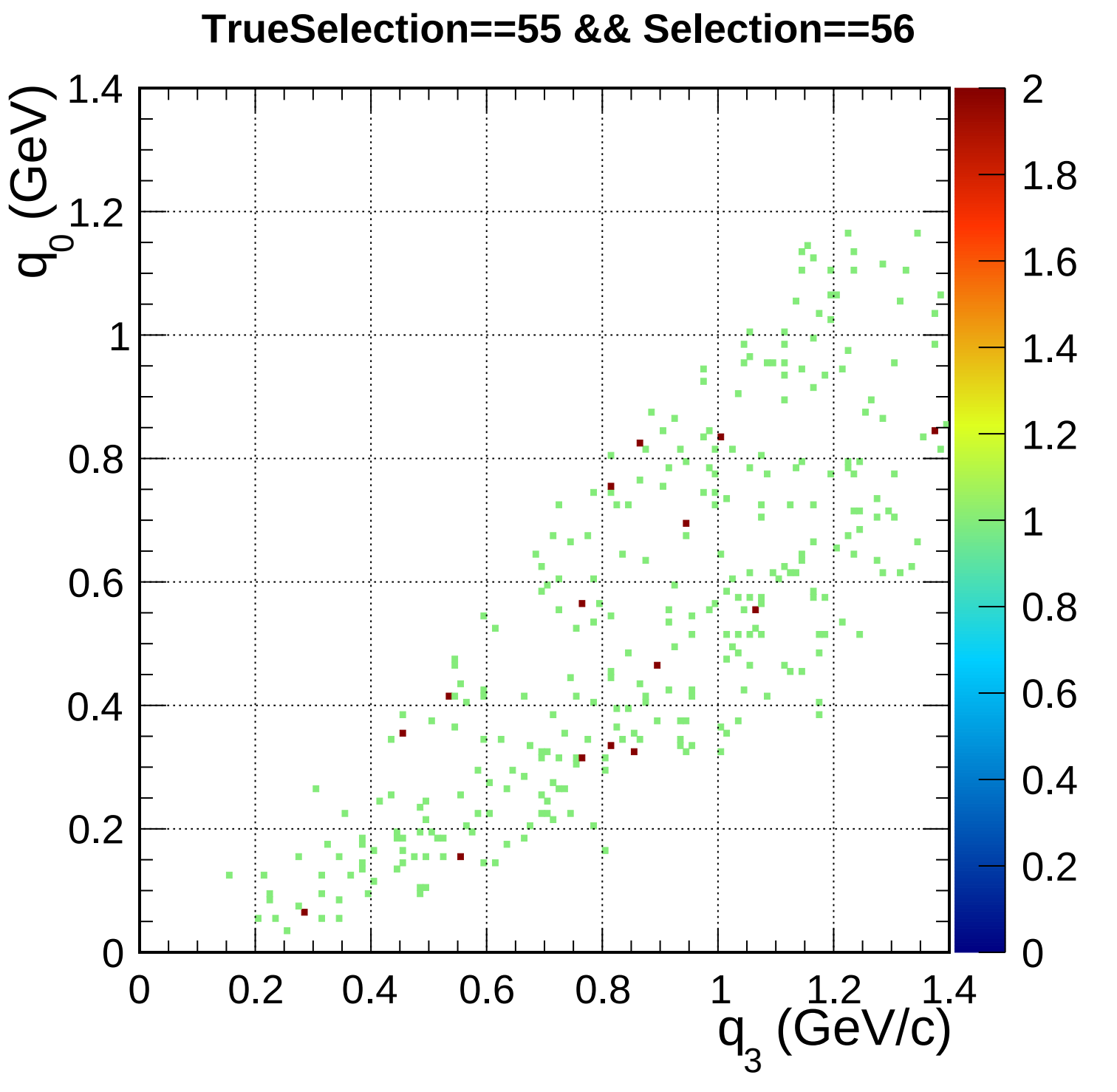

(TrueSelection==55 && Selection==50)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

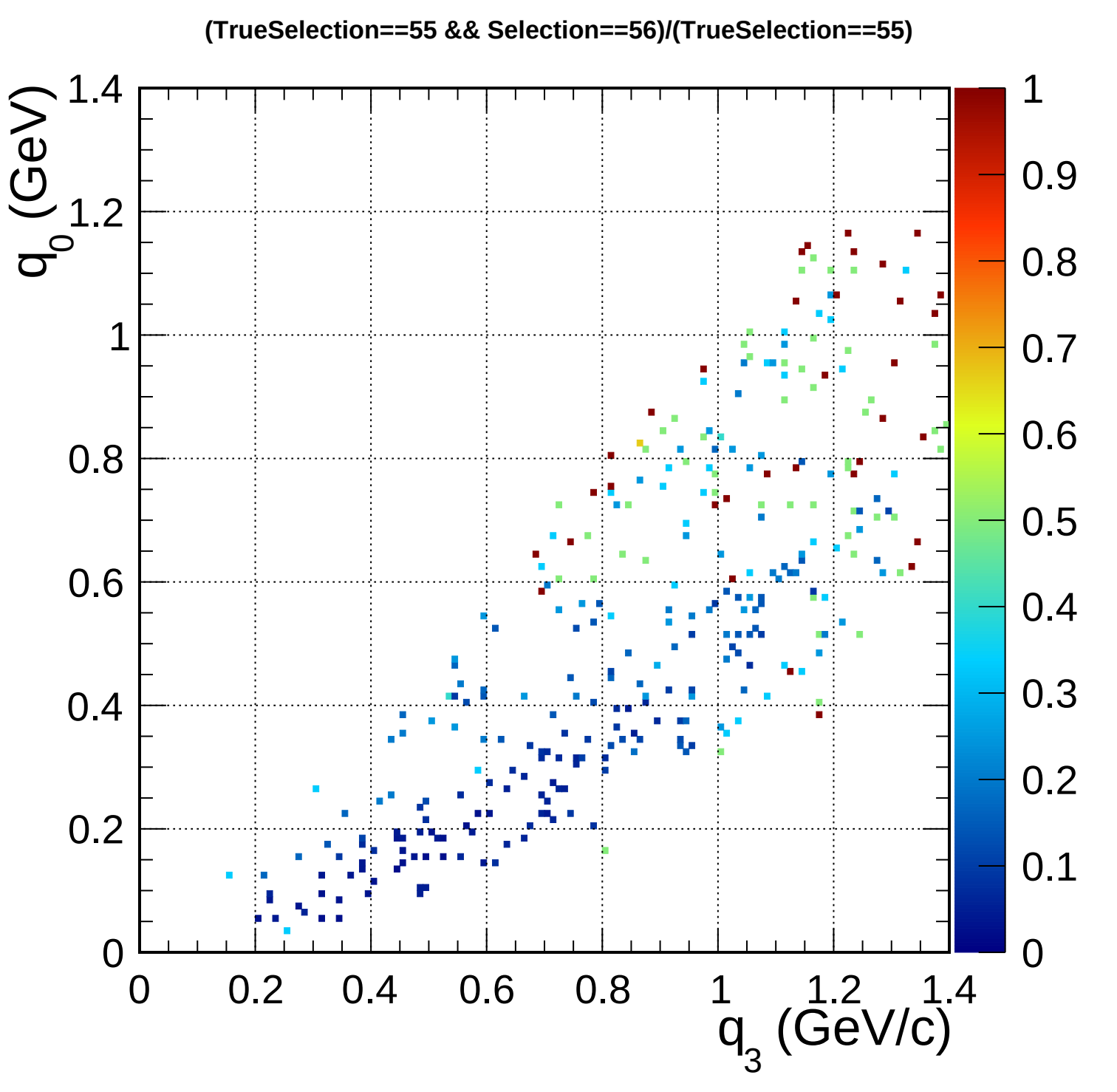

TrueSelection==55 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

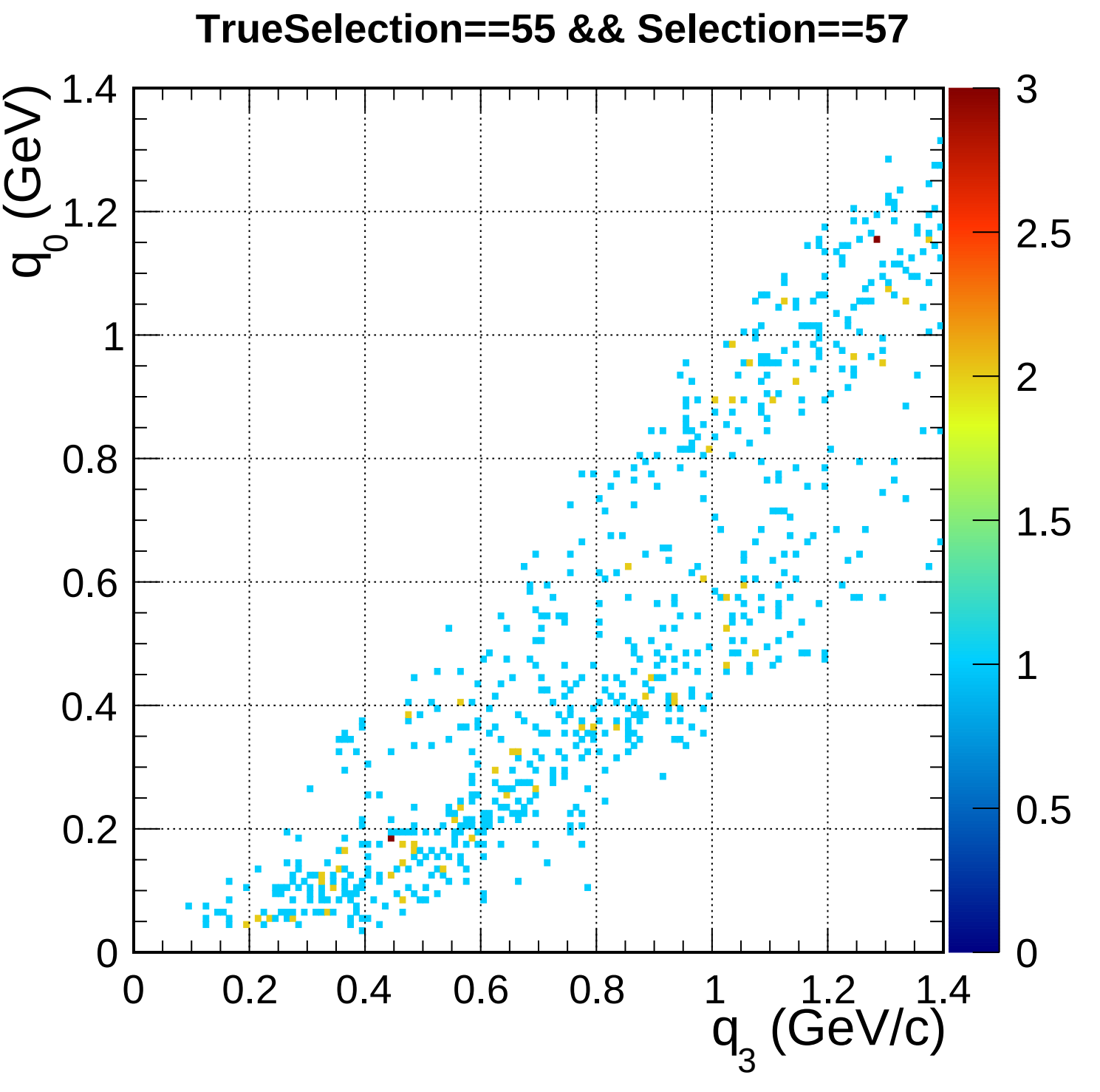

(TrueSelection==55 && Selection==51)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

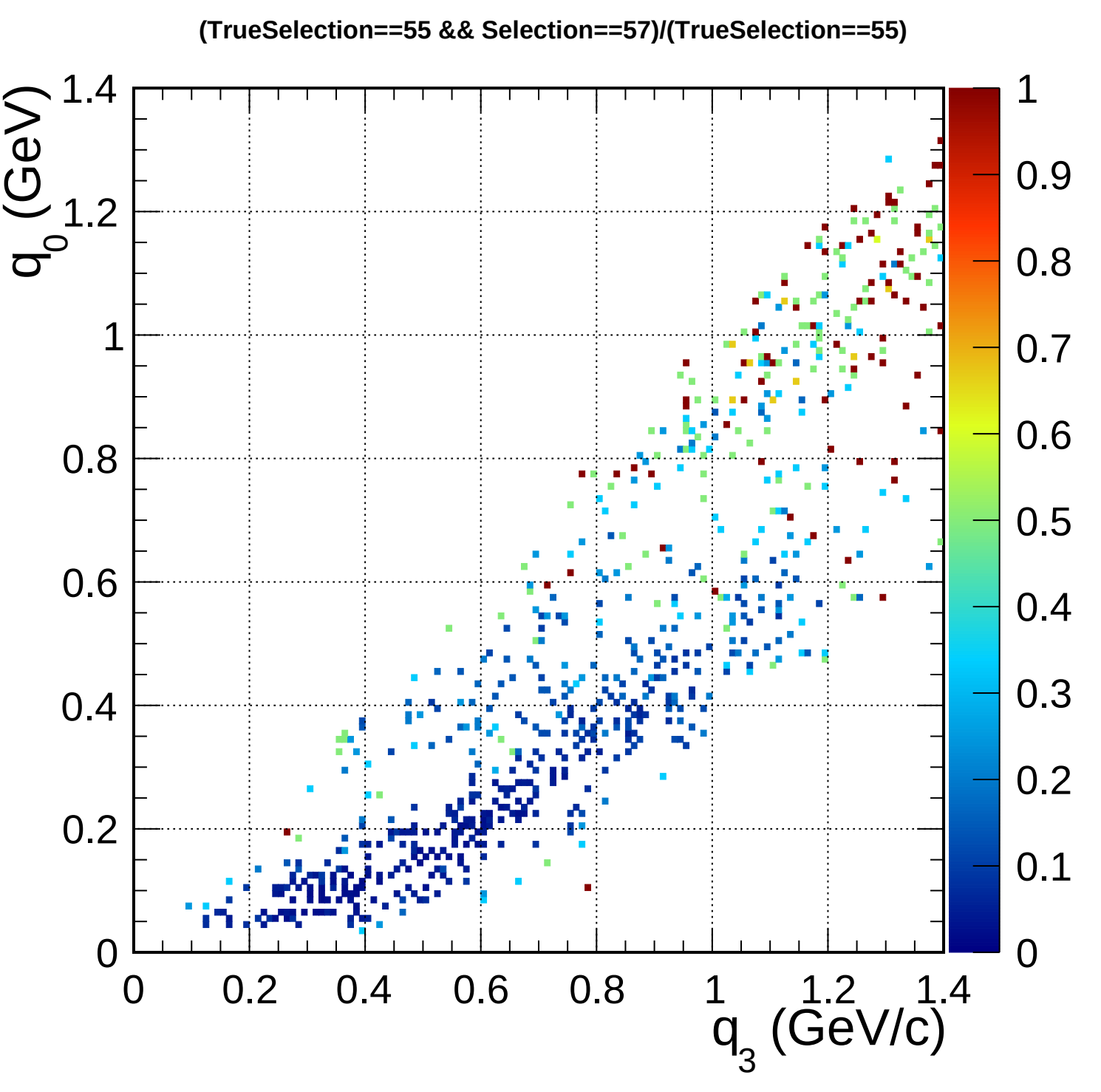

TrueSelection==55 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

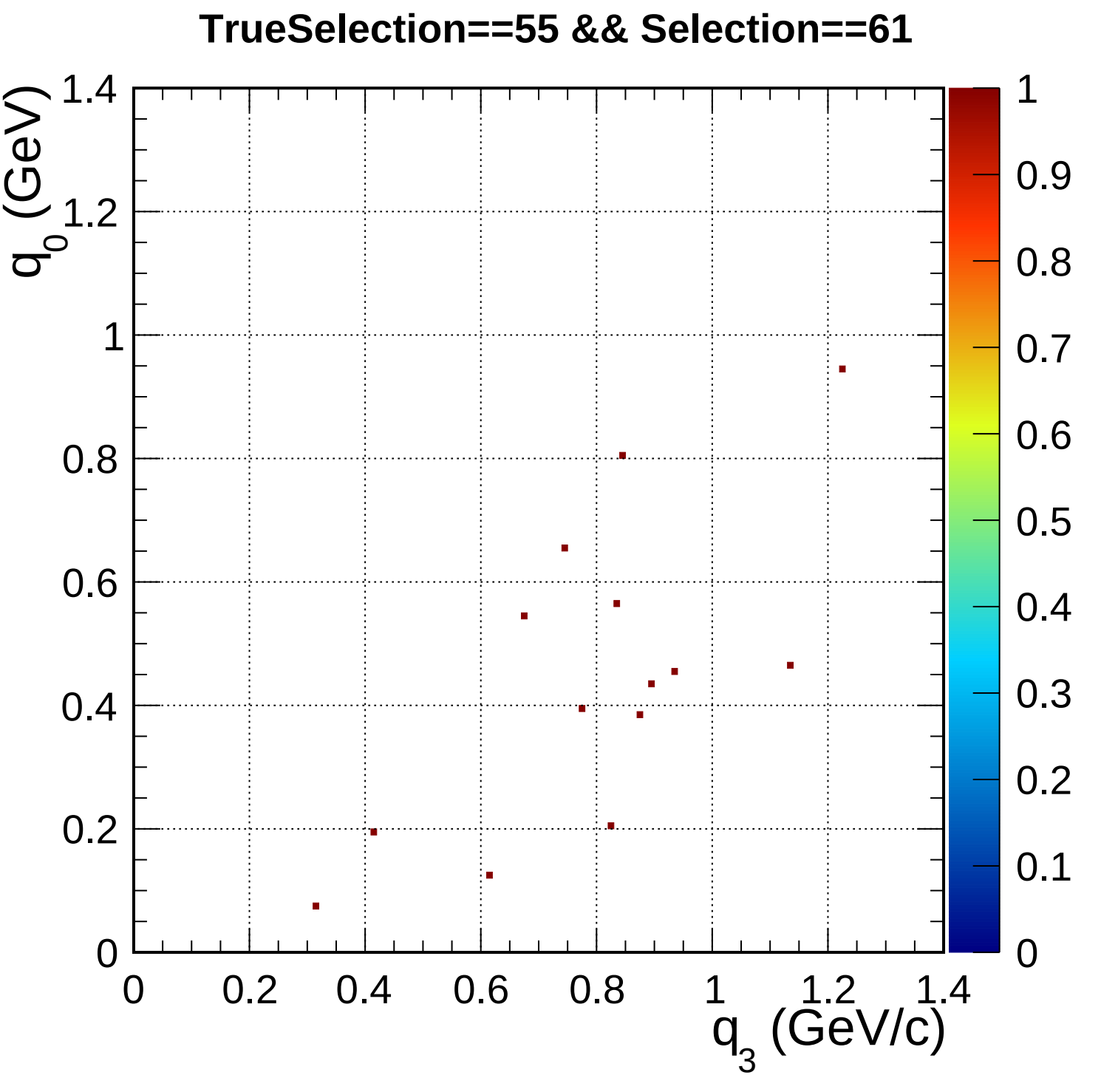

(TrueSelection==55 && Selection==55)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

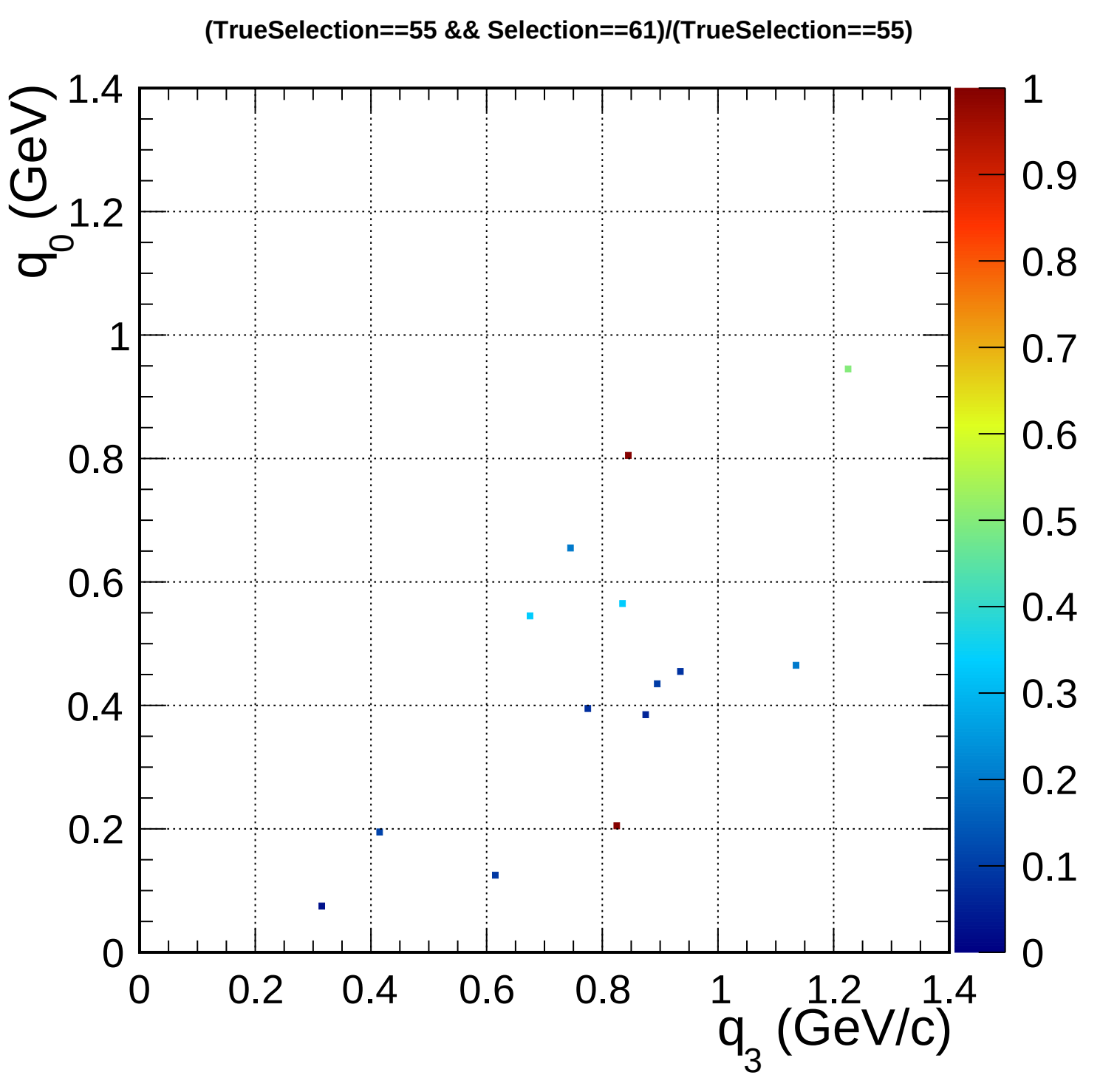

TrueSelection==55 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

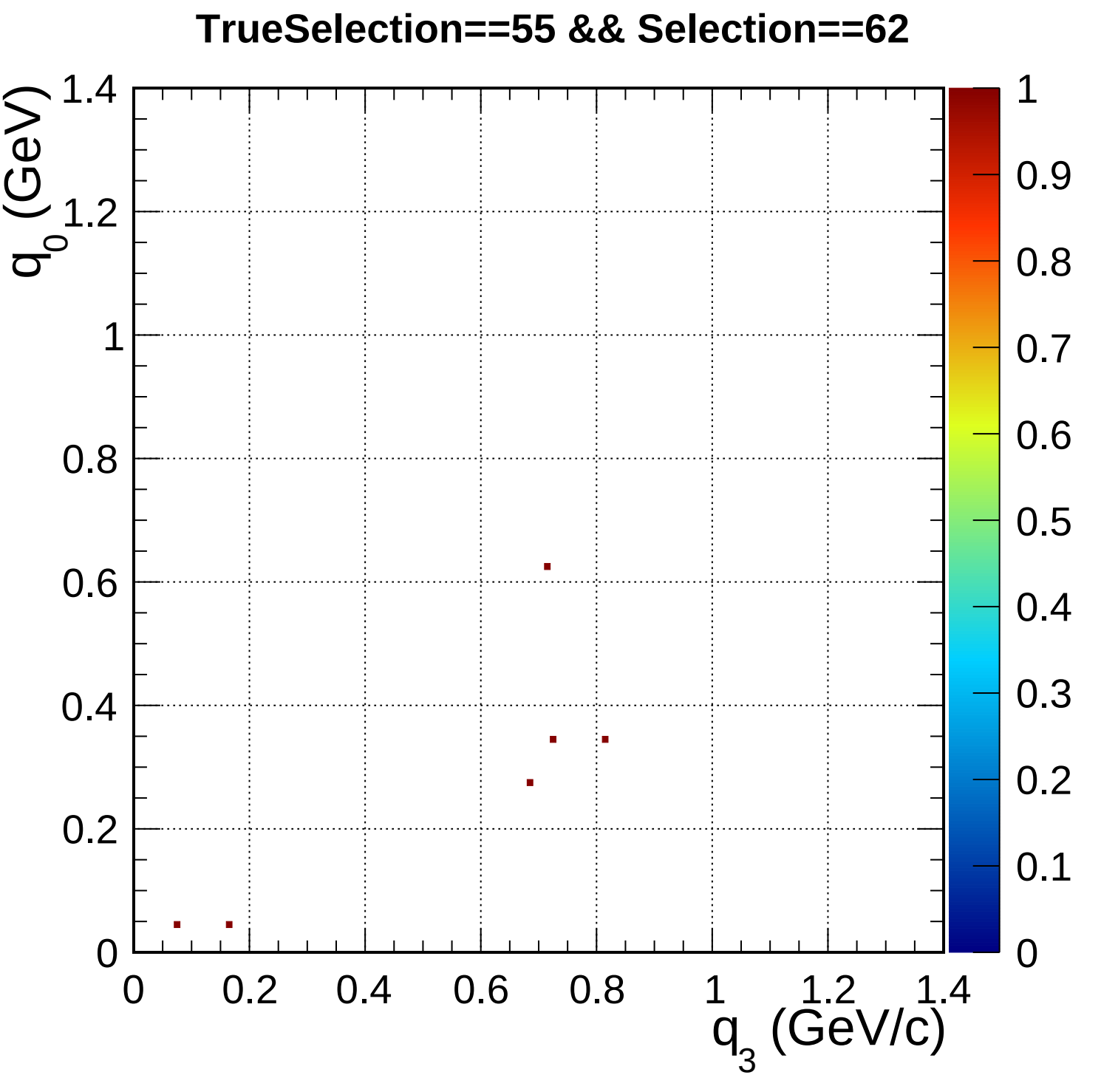

(TrueSelection==55 && Selection==56)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

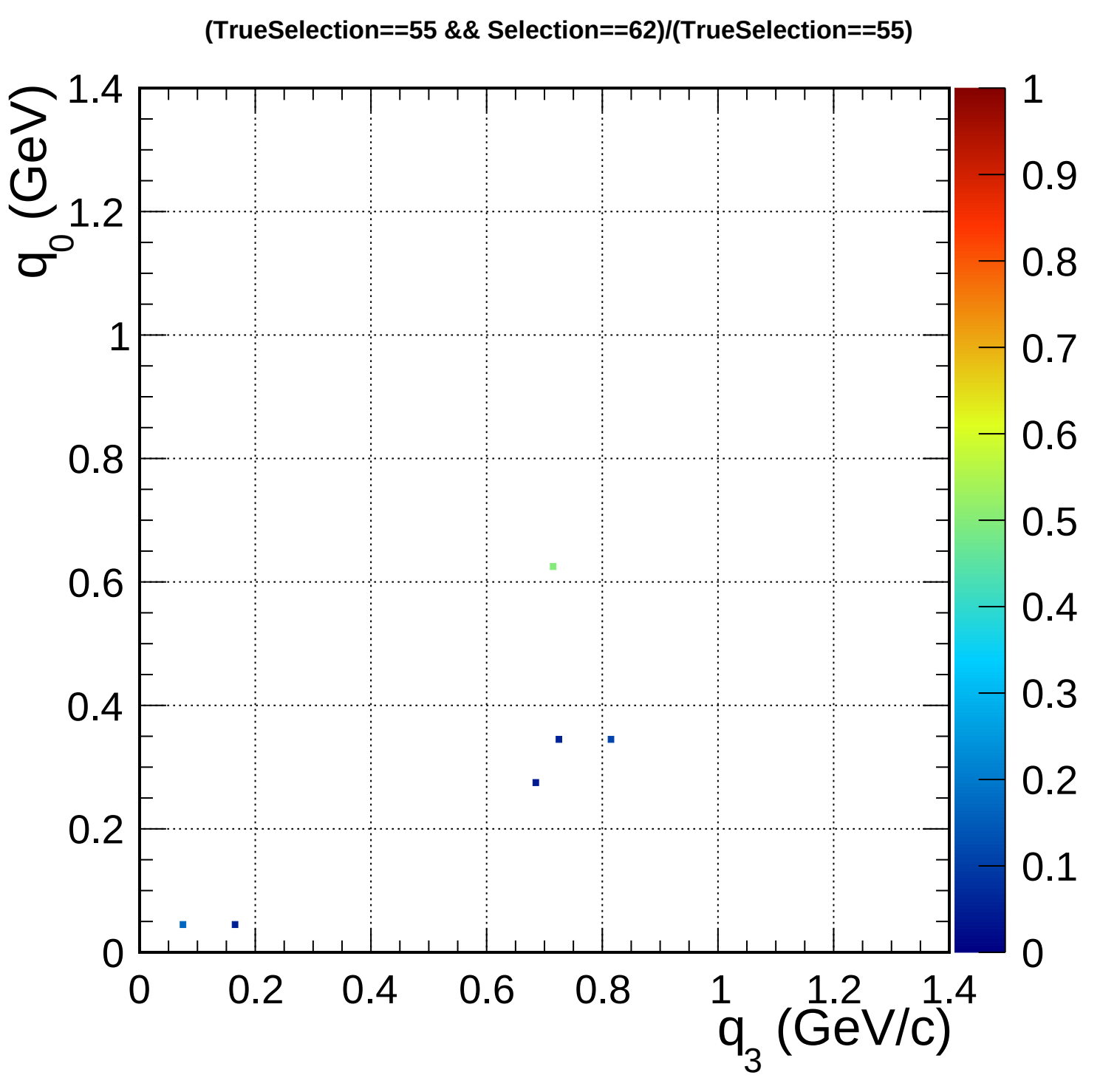

TrueSelection==55 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

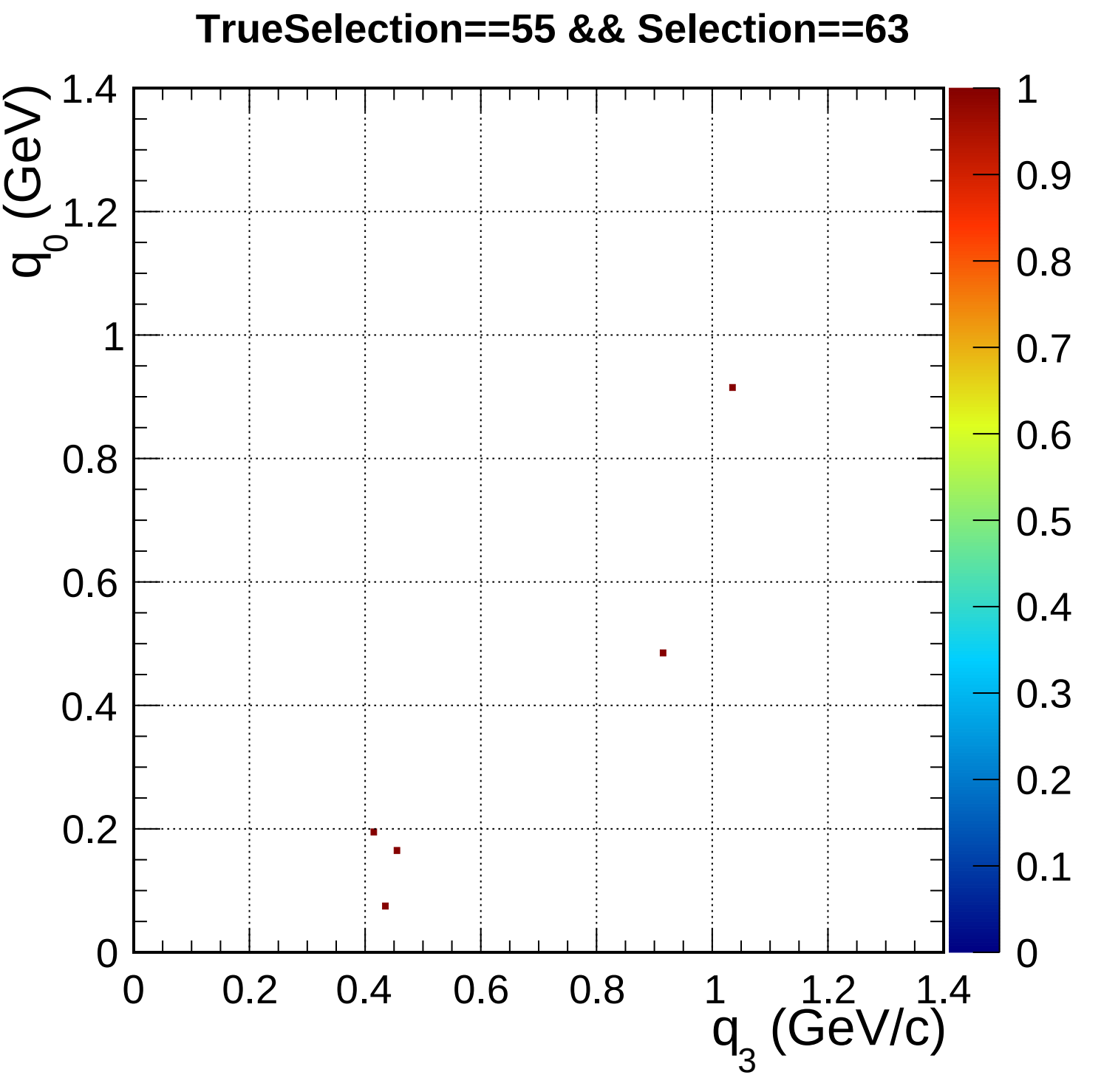

(TrueSelection==55 && Selection==57)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

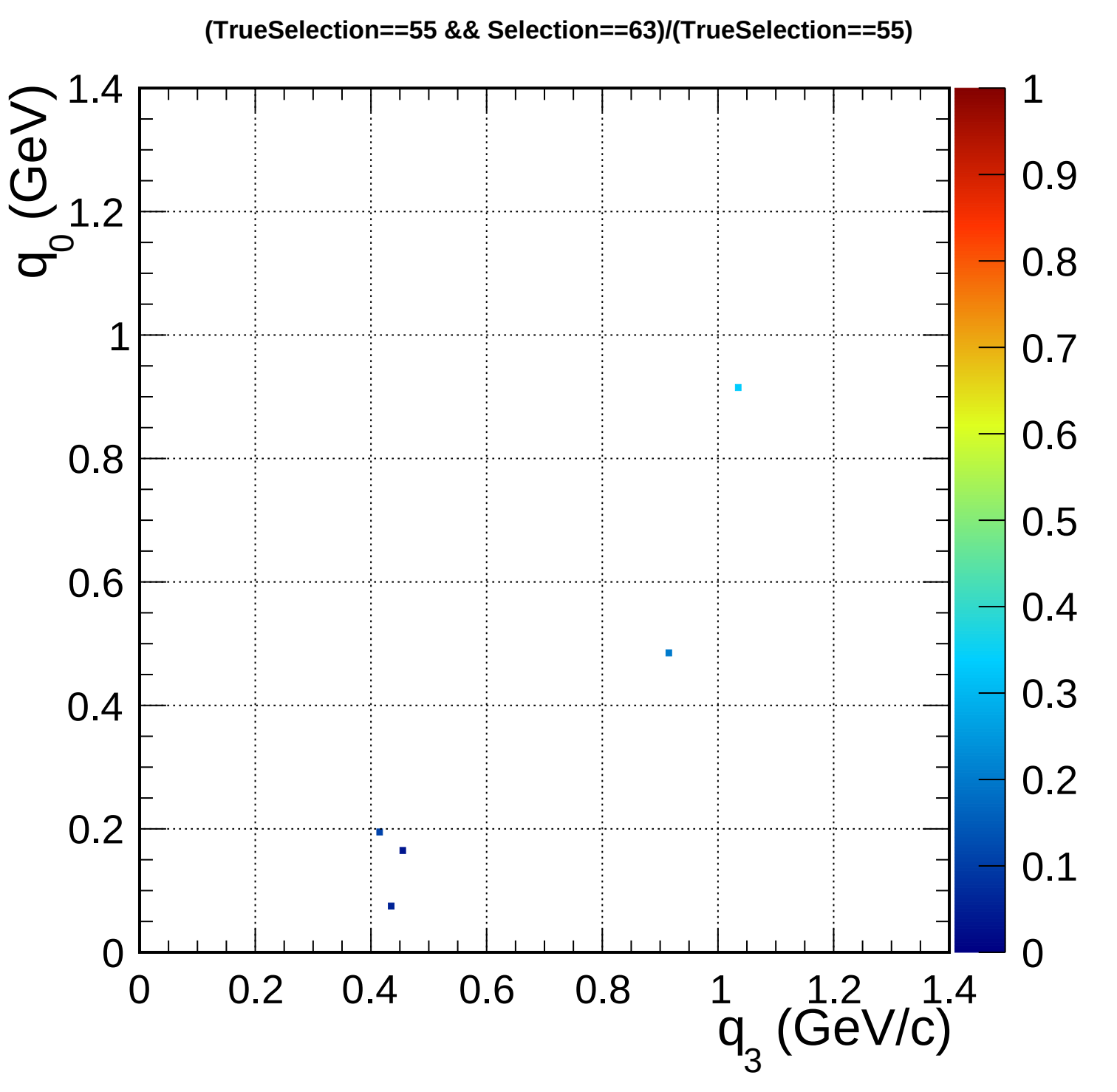

TrueSelection==55 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

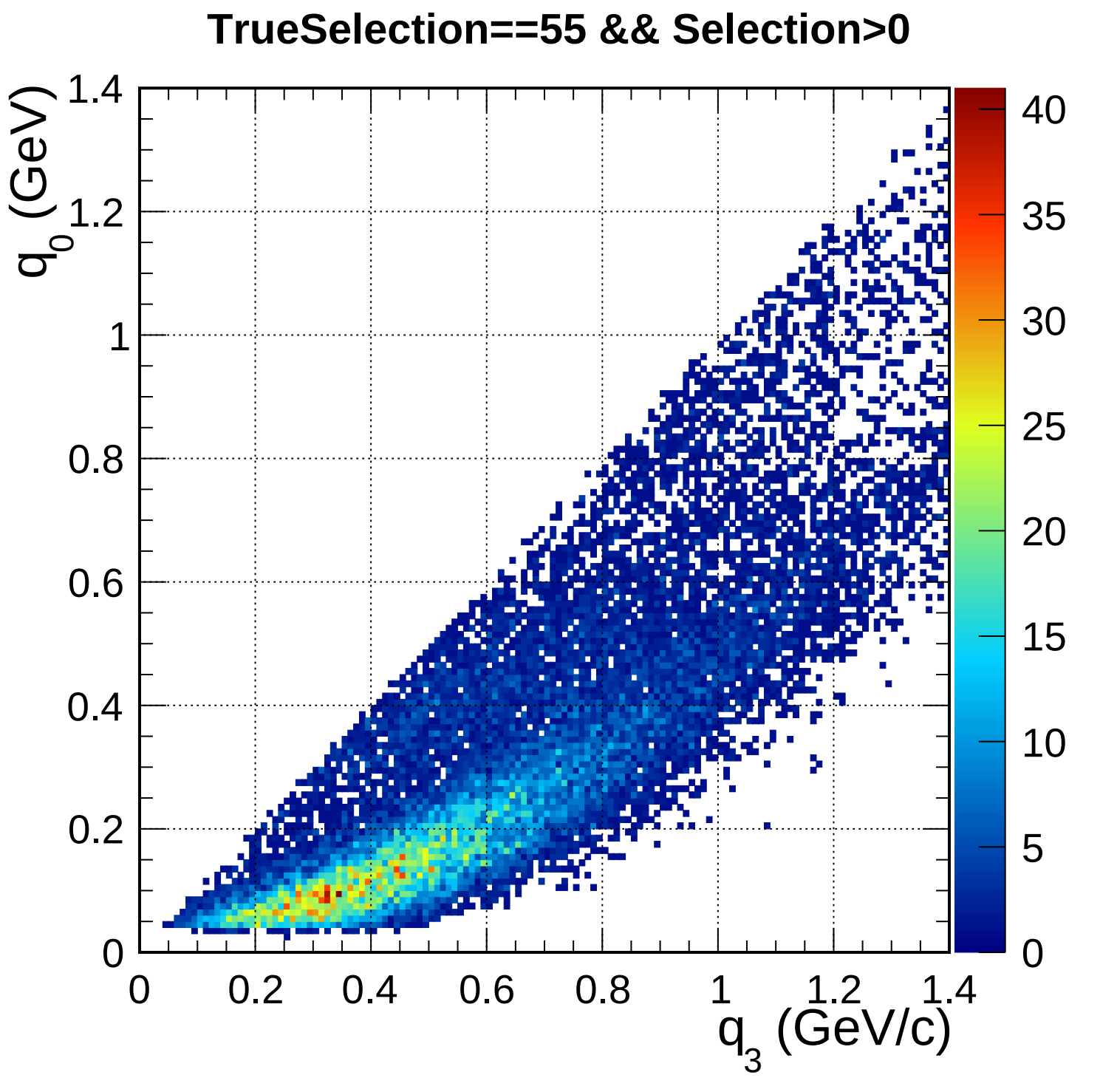

(TrueSelection==55 && Selection==61)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

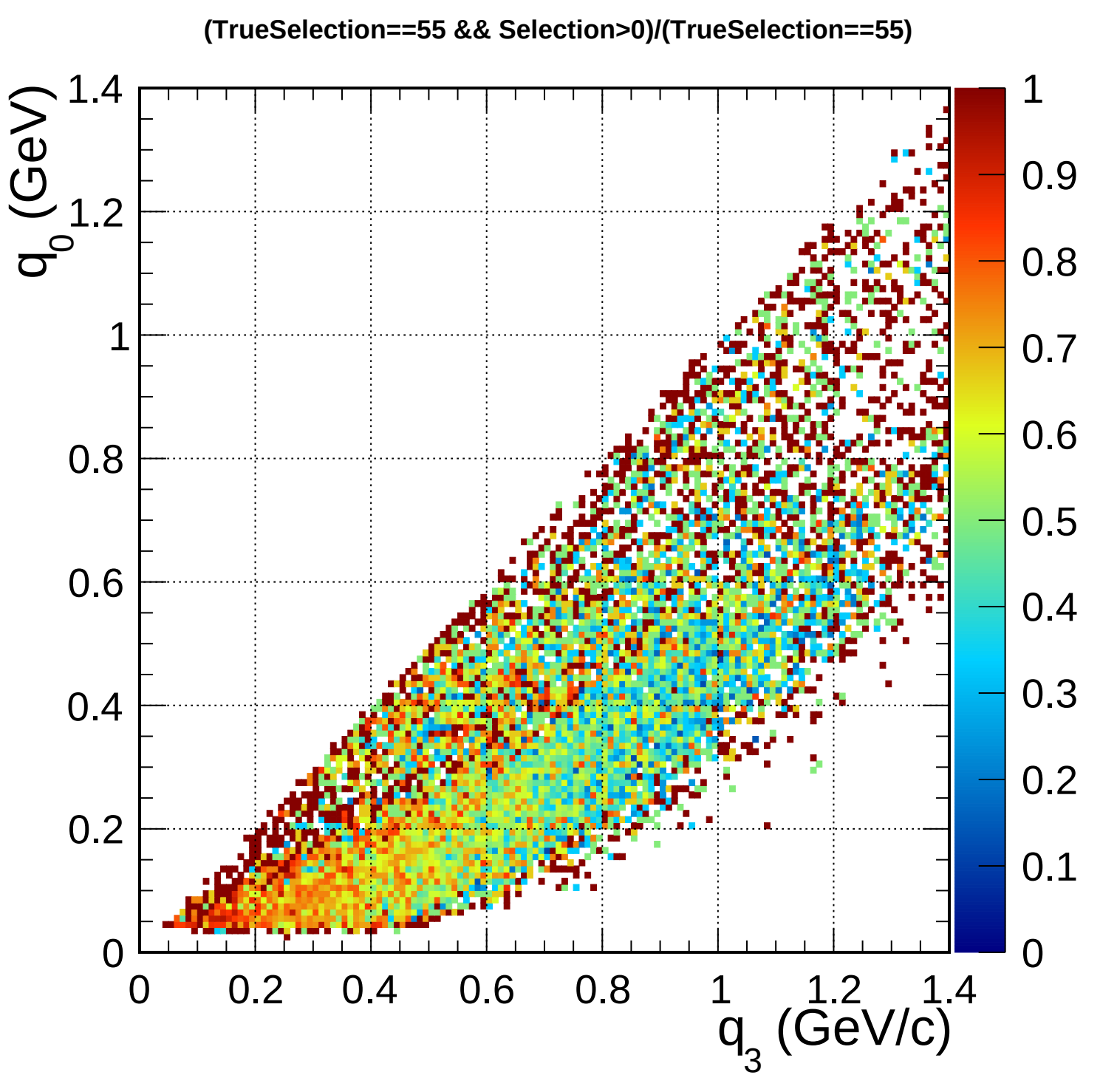

TrueSelection==55 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

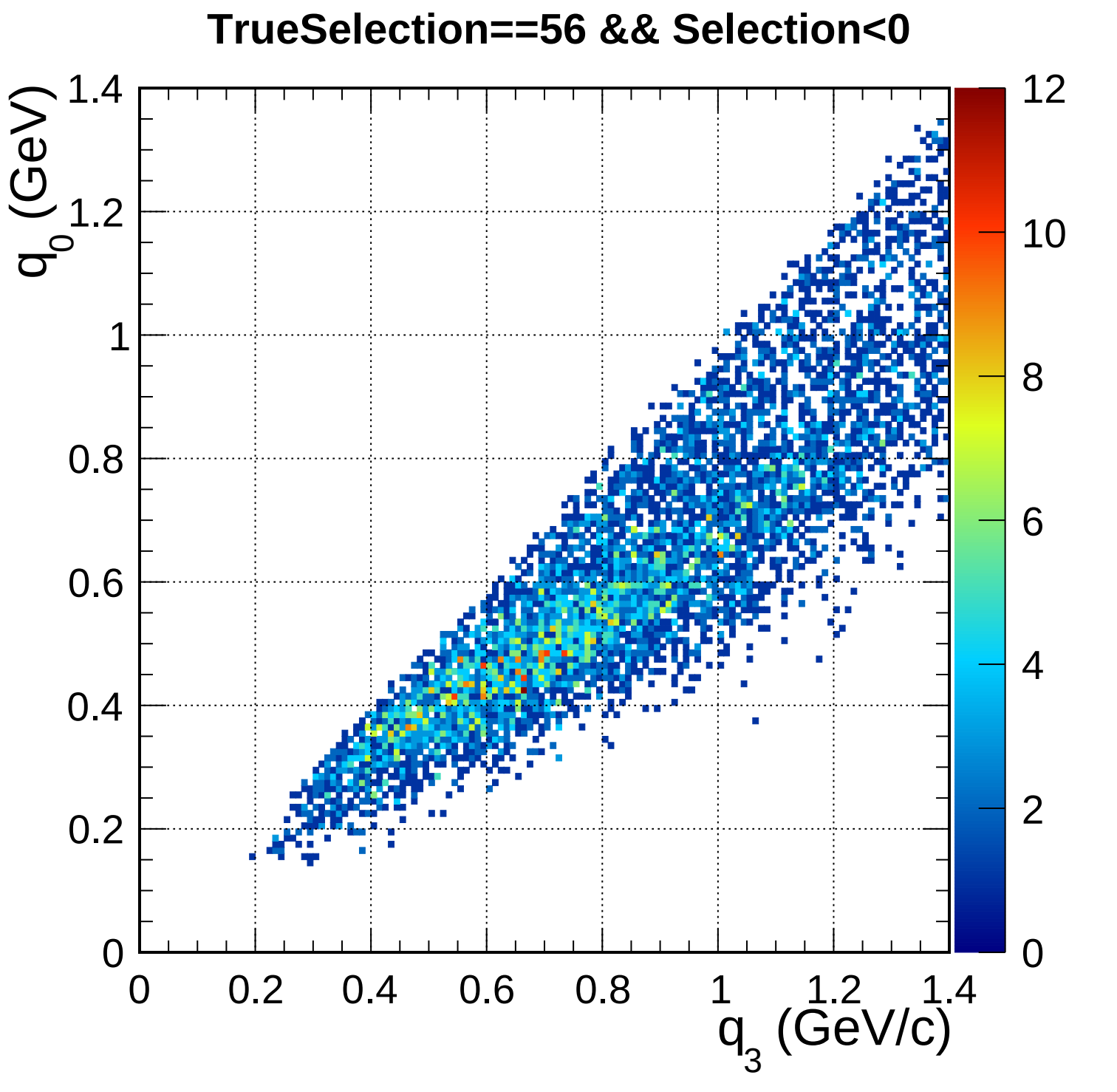

(TrueSelection==55 && Selection==62)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

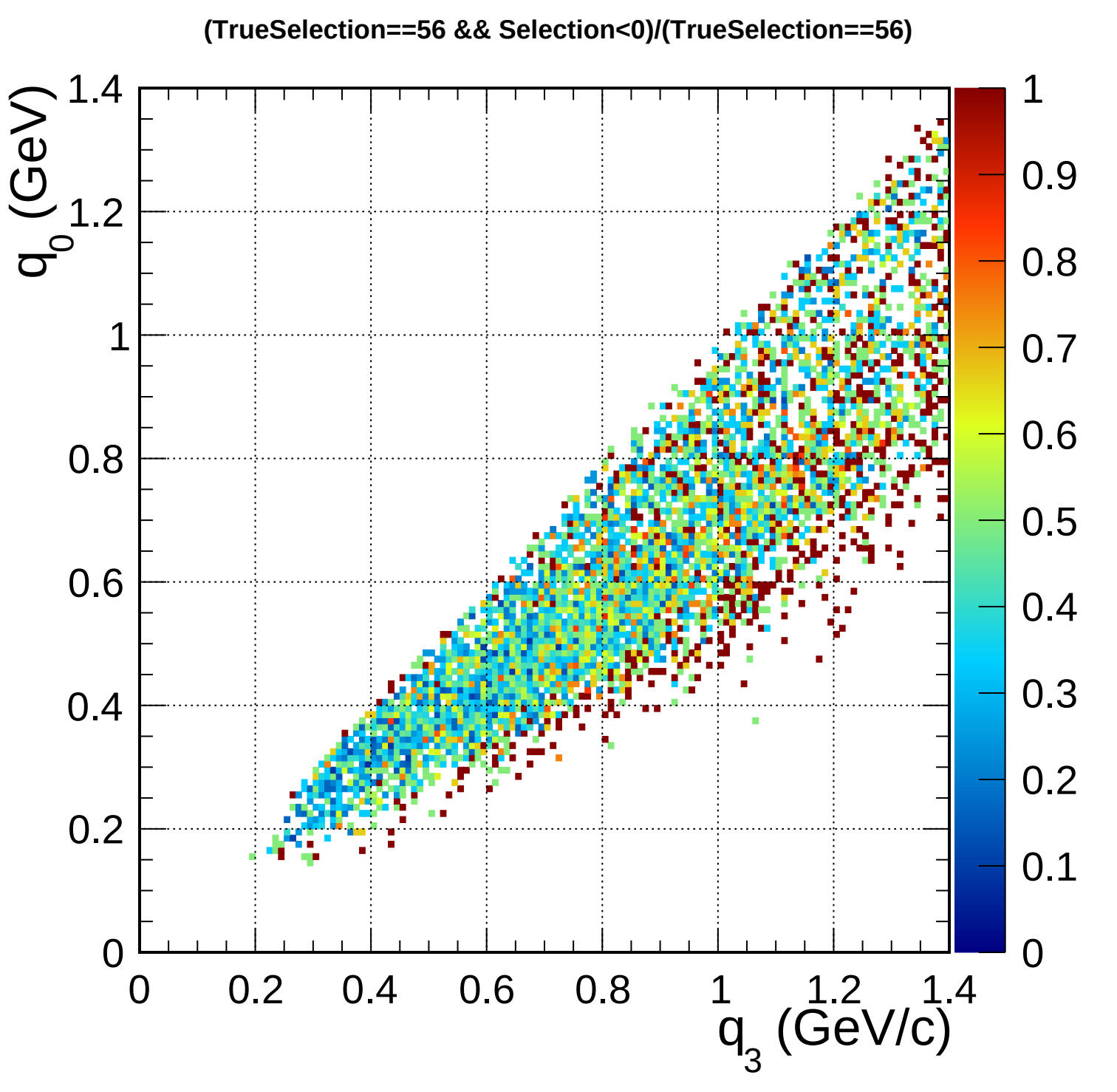

TrueSelection==55 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

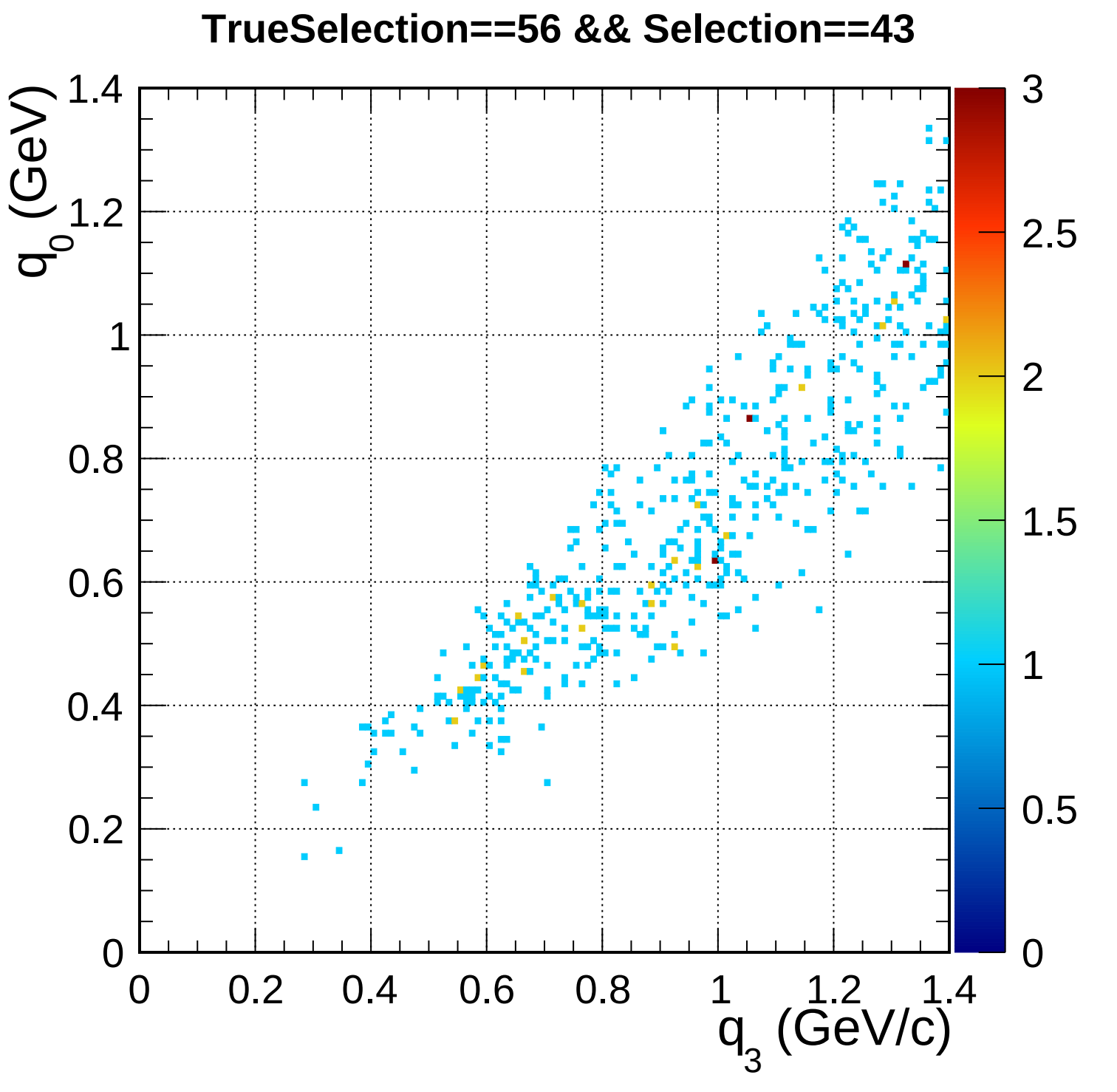

(TrueSelection==55 && Selection==63)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

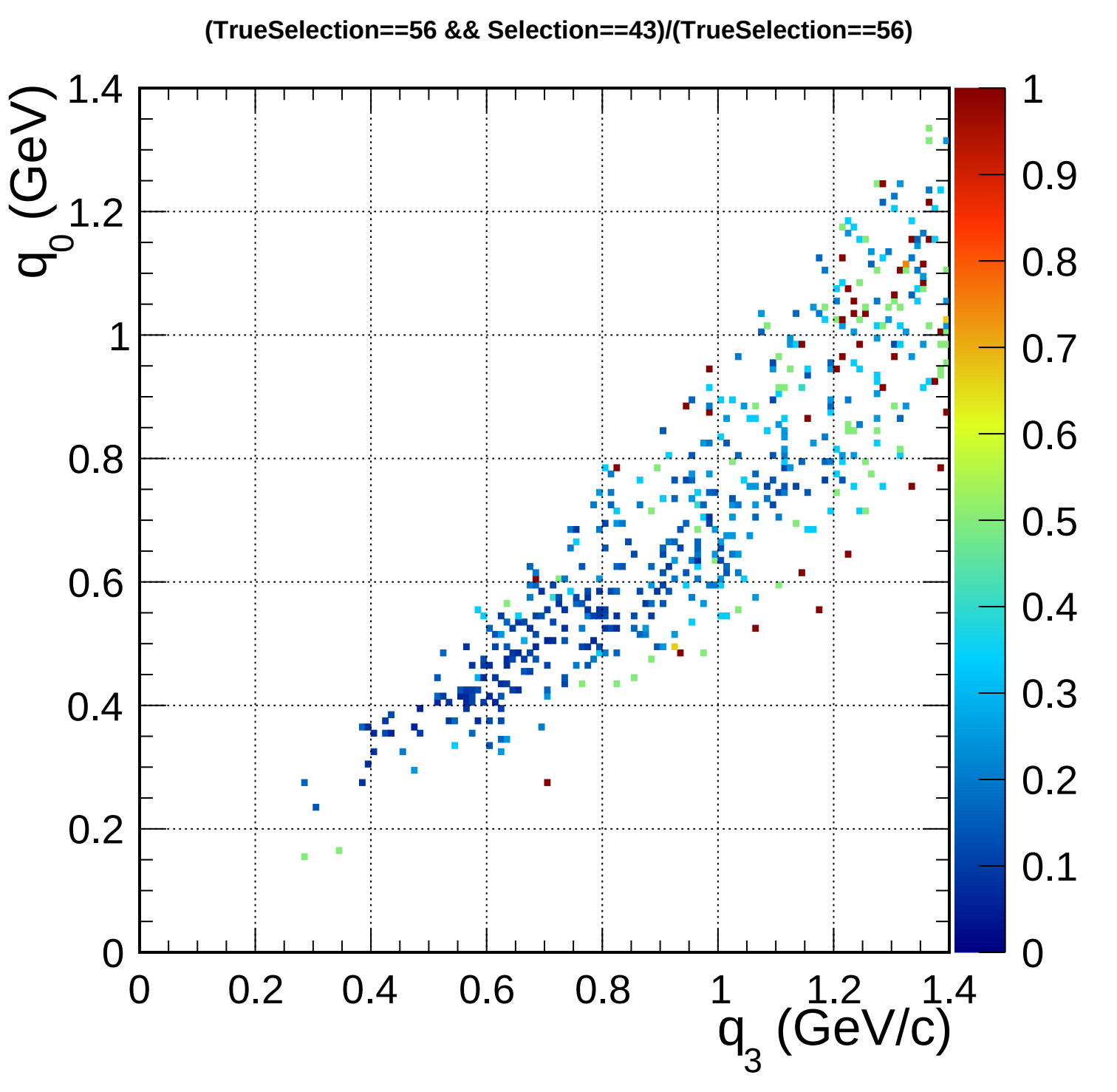

TrueSelection==55 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

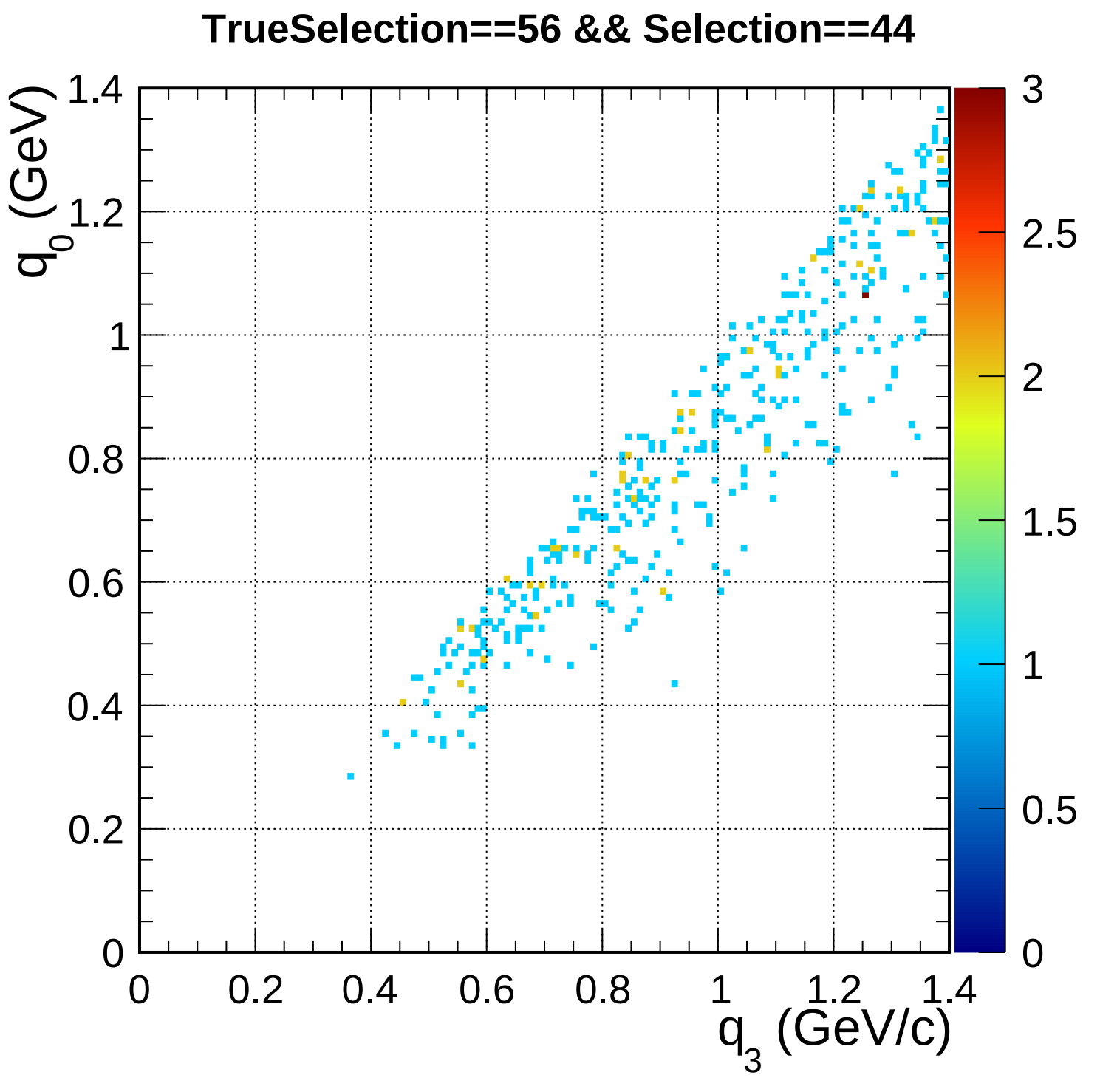

(TrueSelection==55 && Selection>0)/(TrueSelection==55)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

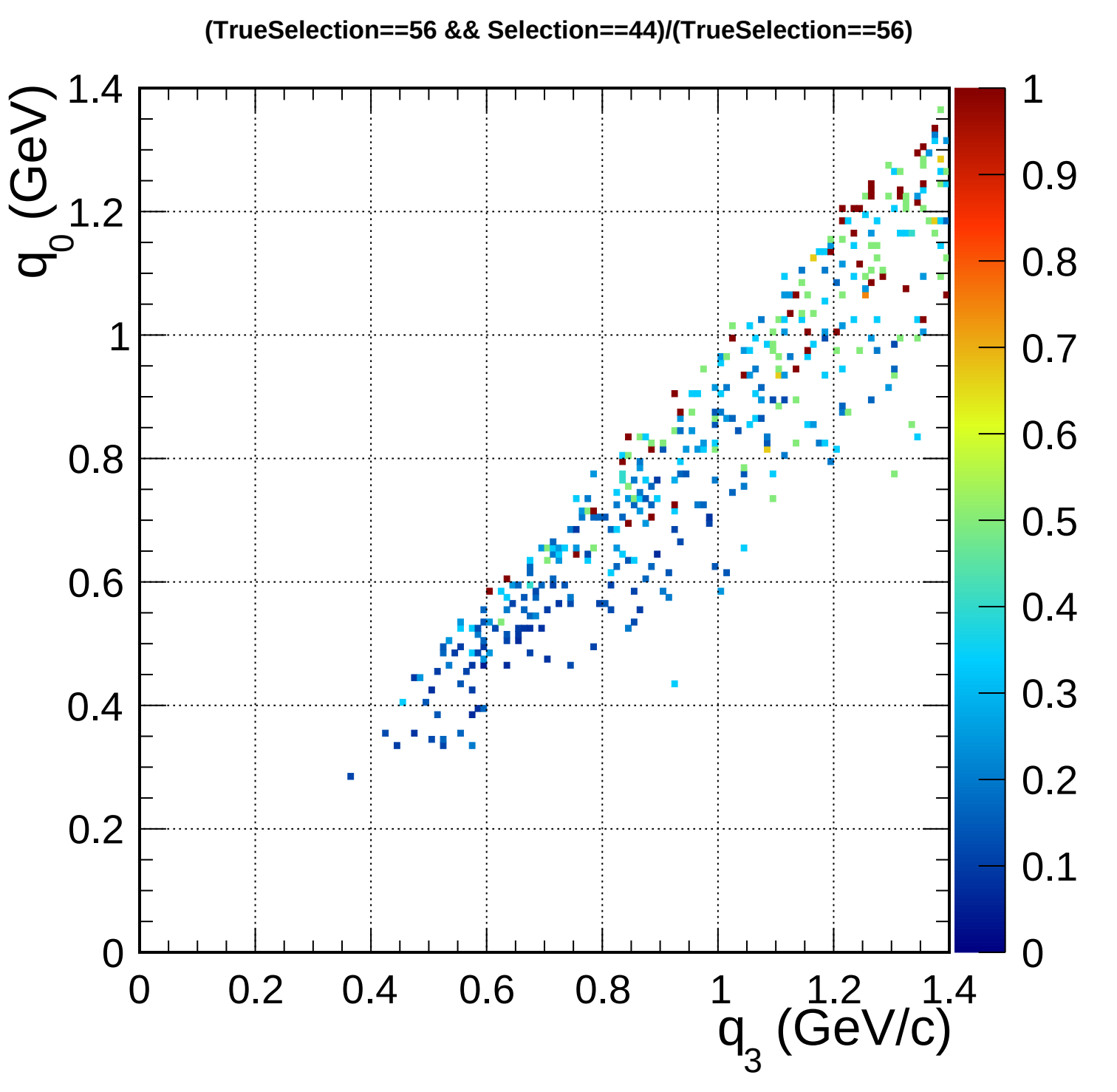

TrueSelection==56 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

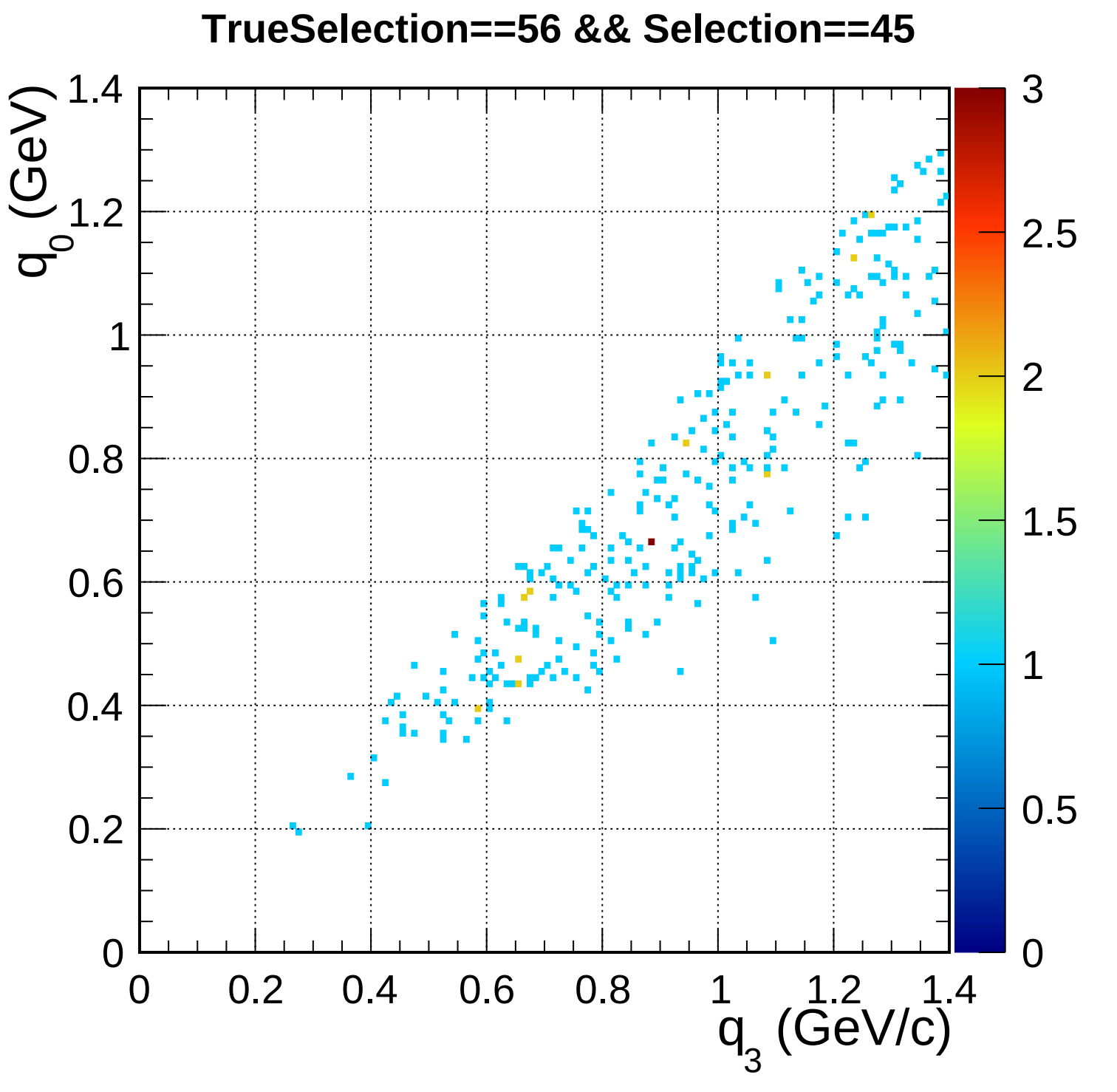

(TrueSelection==56 && Selection<0)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

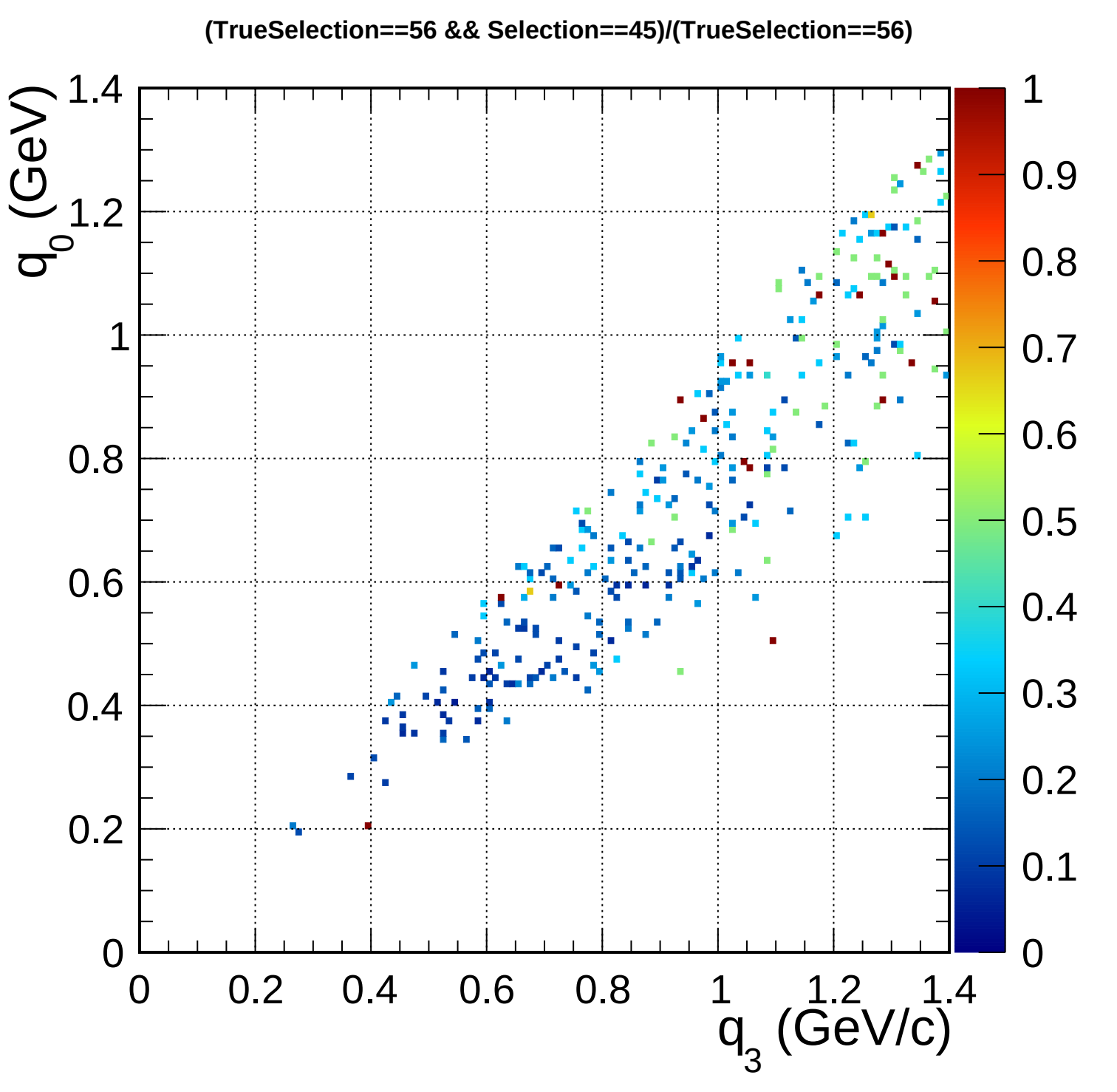

TrueSelection==56 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.5
1.5
2
2.5
3

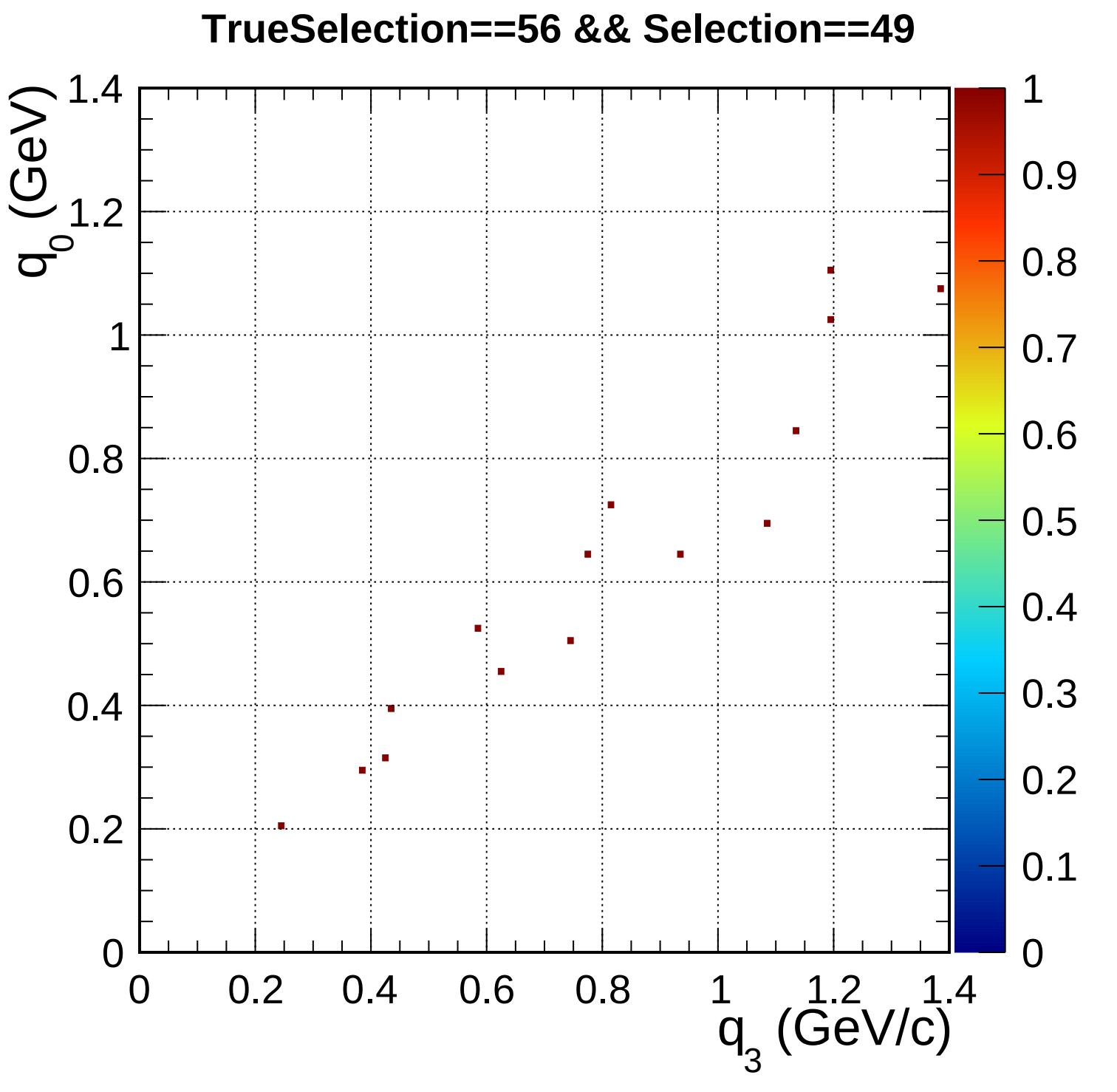

(TrueSelection==56 && Selection==43)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

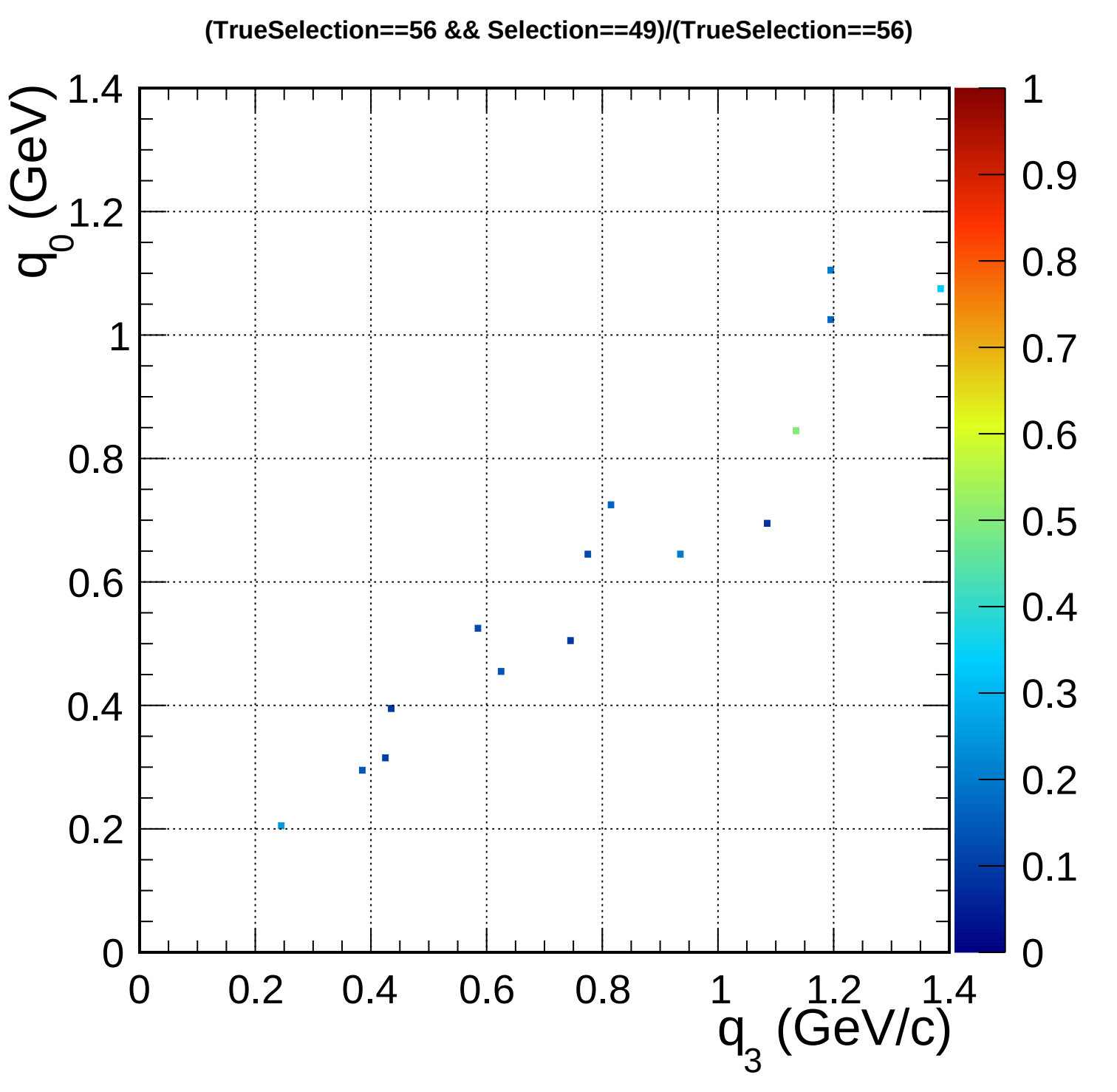

TrueSelection==56 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

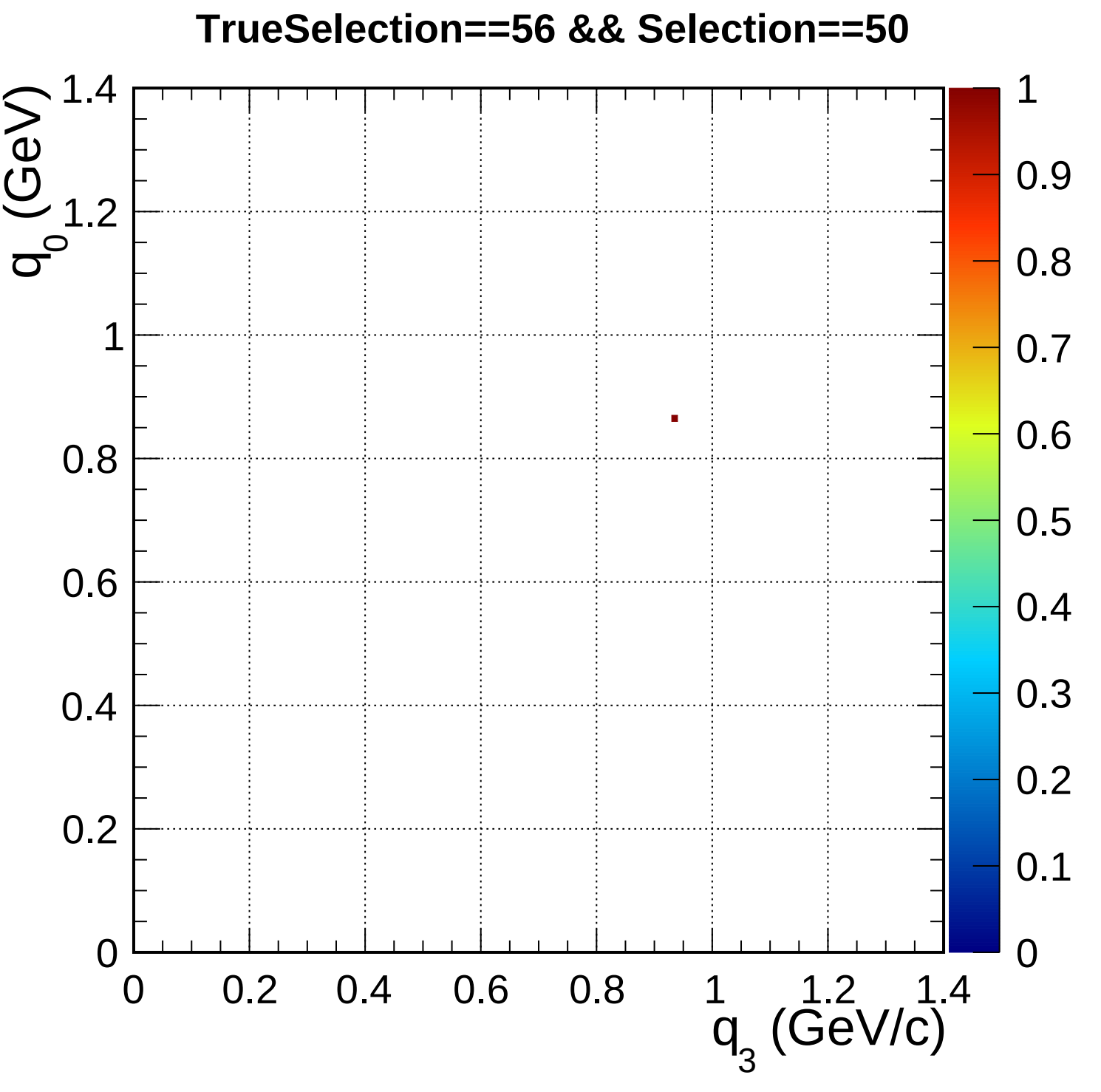

(TrueSelection==56 && Selection==44)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

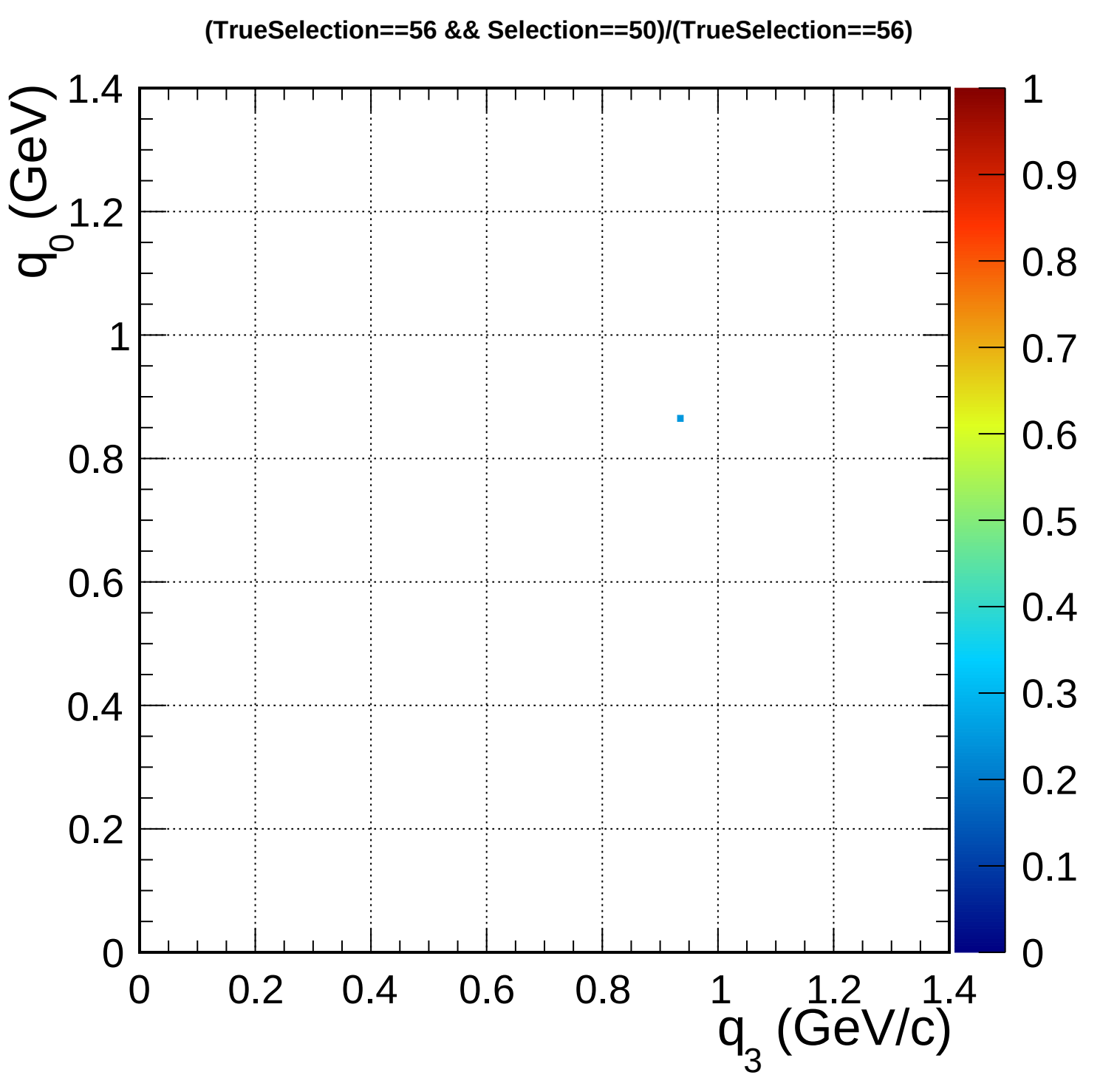

TrueSelection==56 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

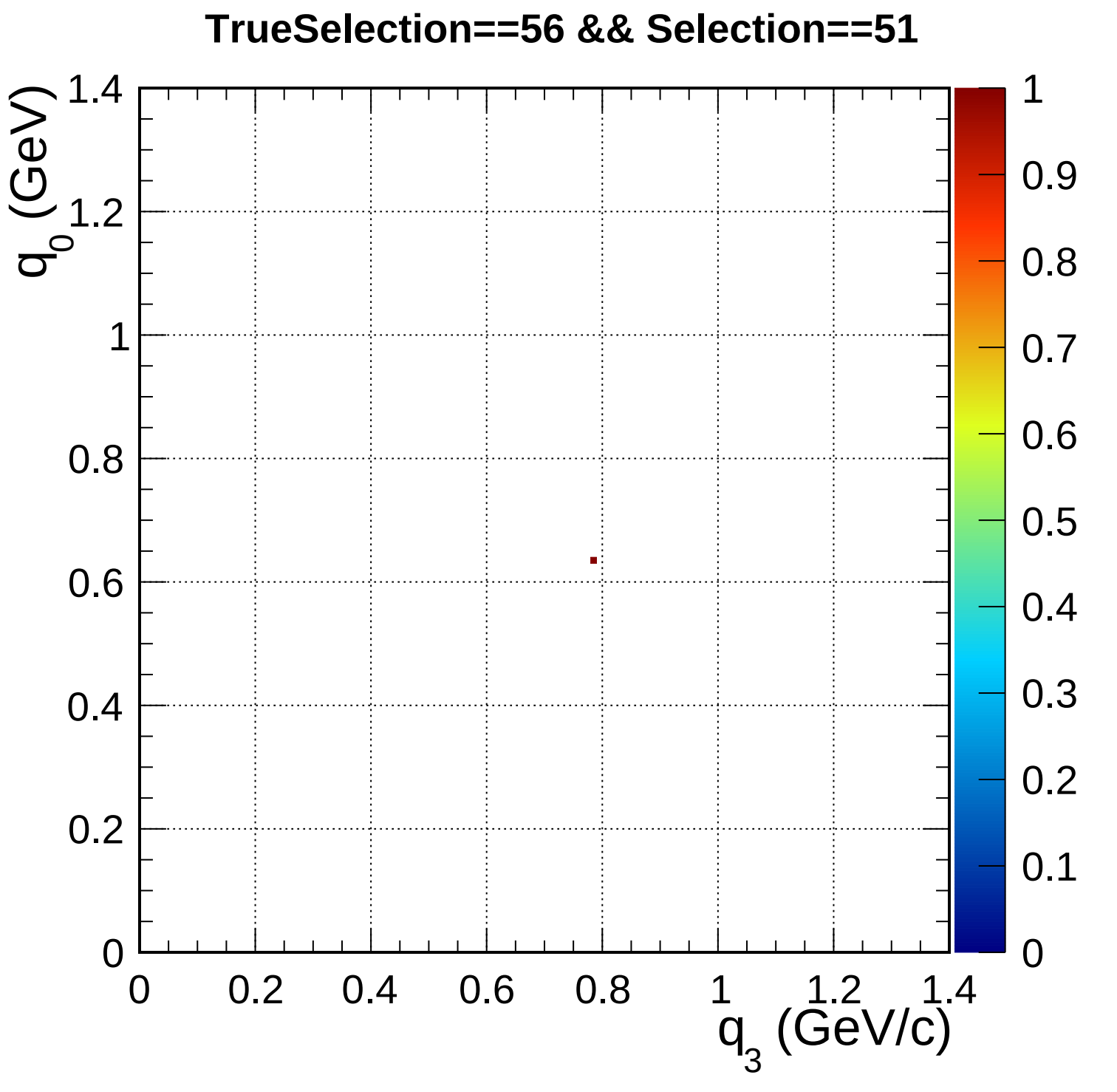

(TrueSelection==56 && Selection==45)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

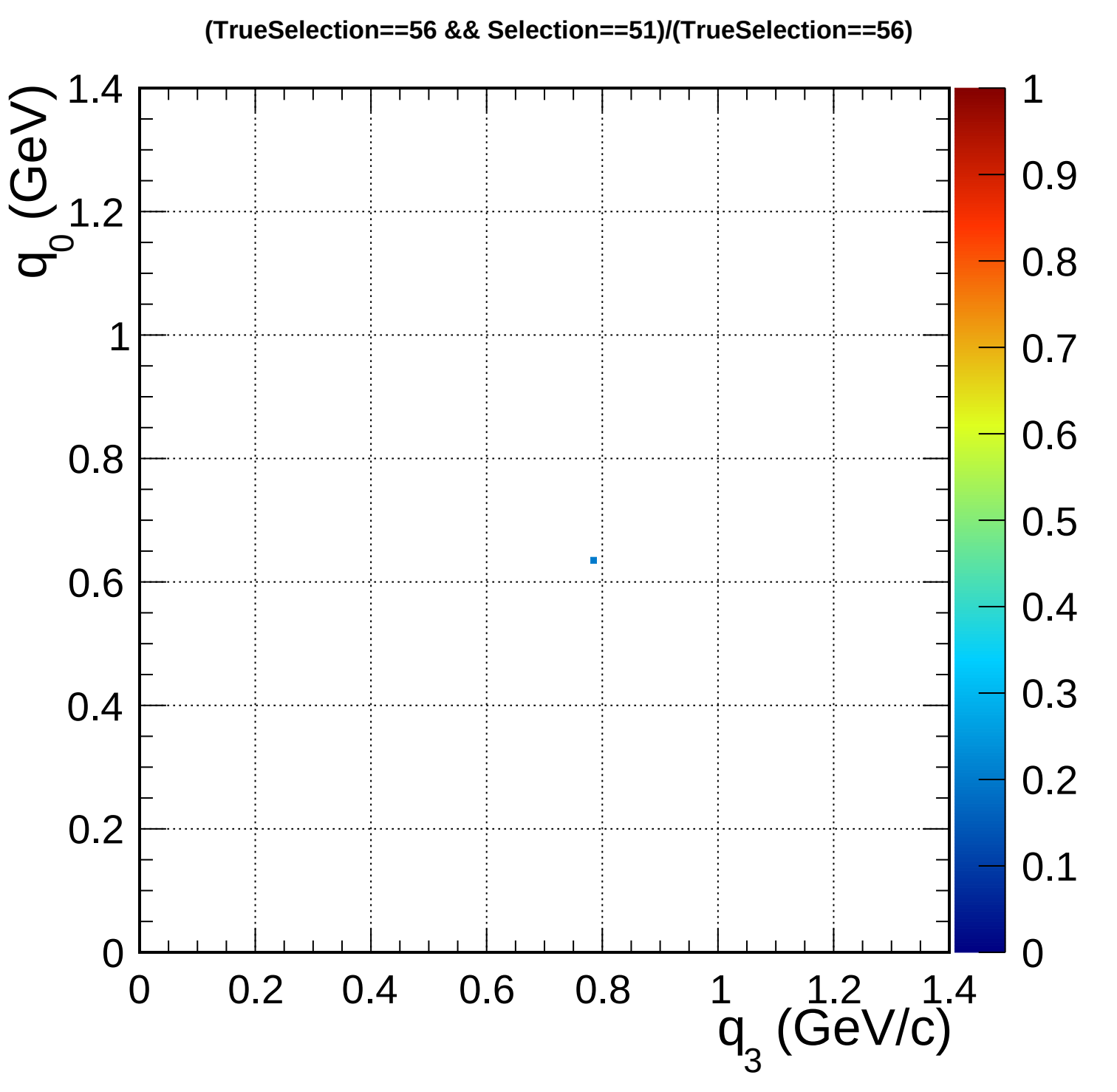

TrueSelection==56 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

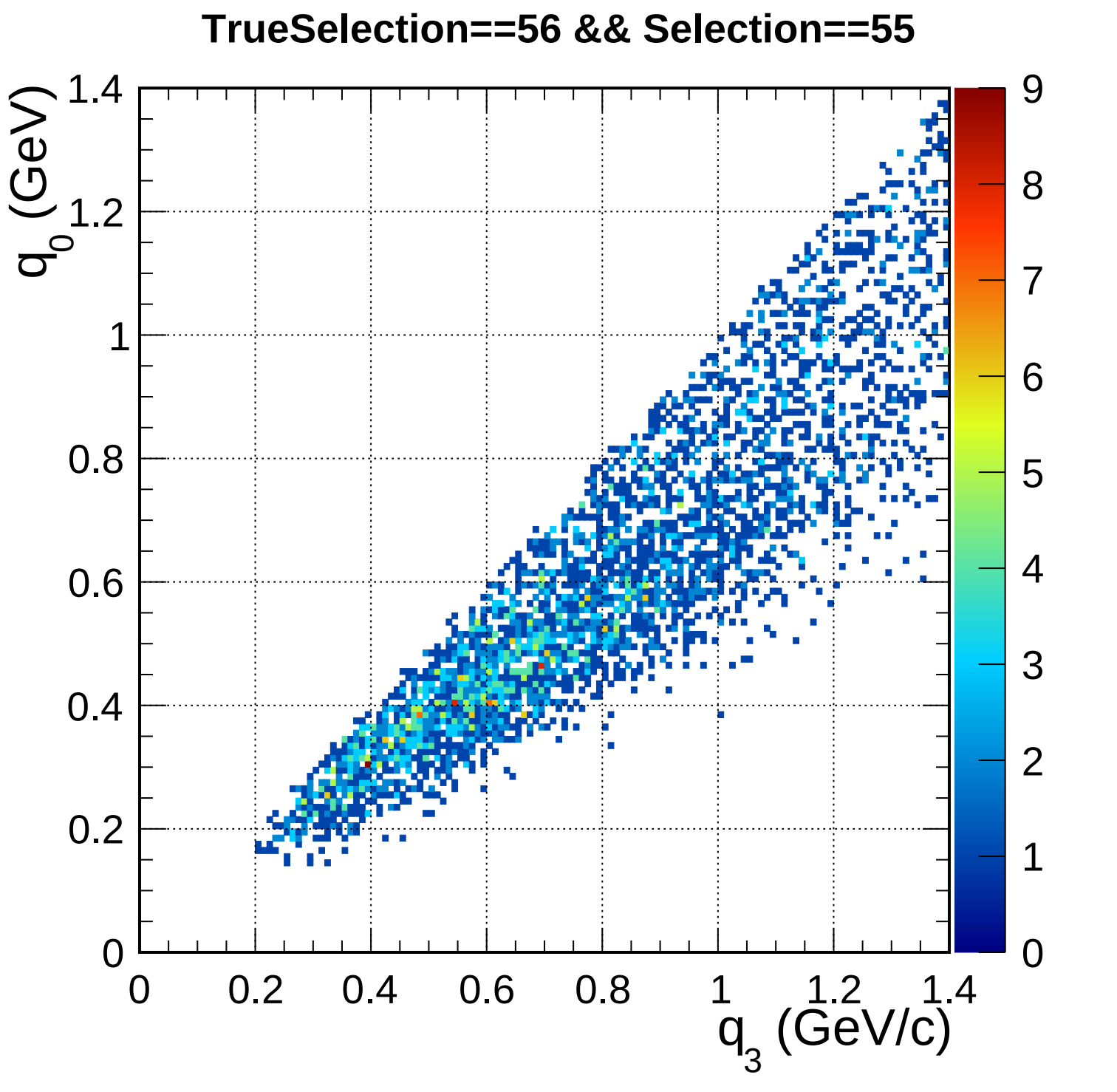

(TrueSelection==56 && Selection==49)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

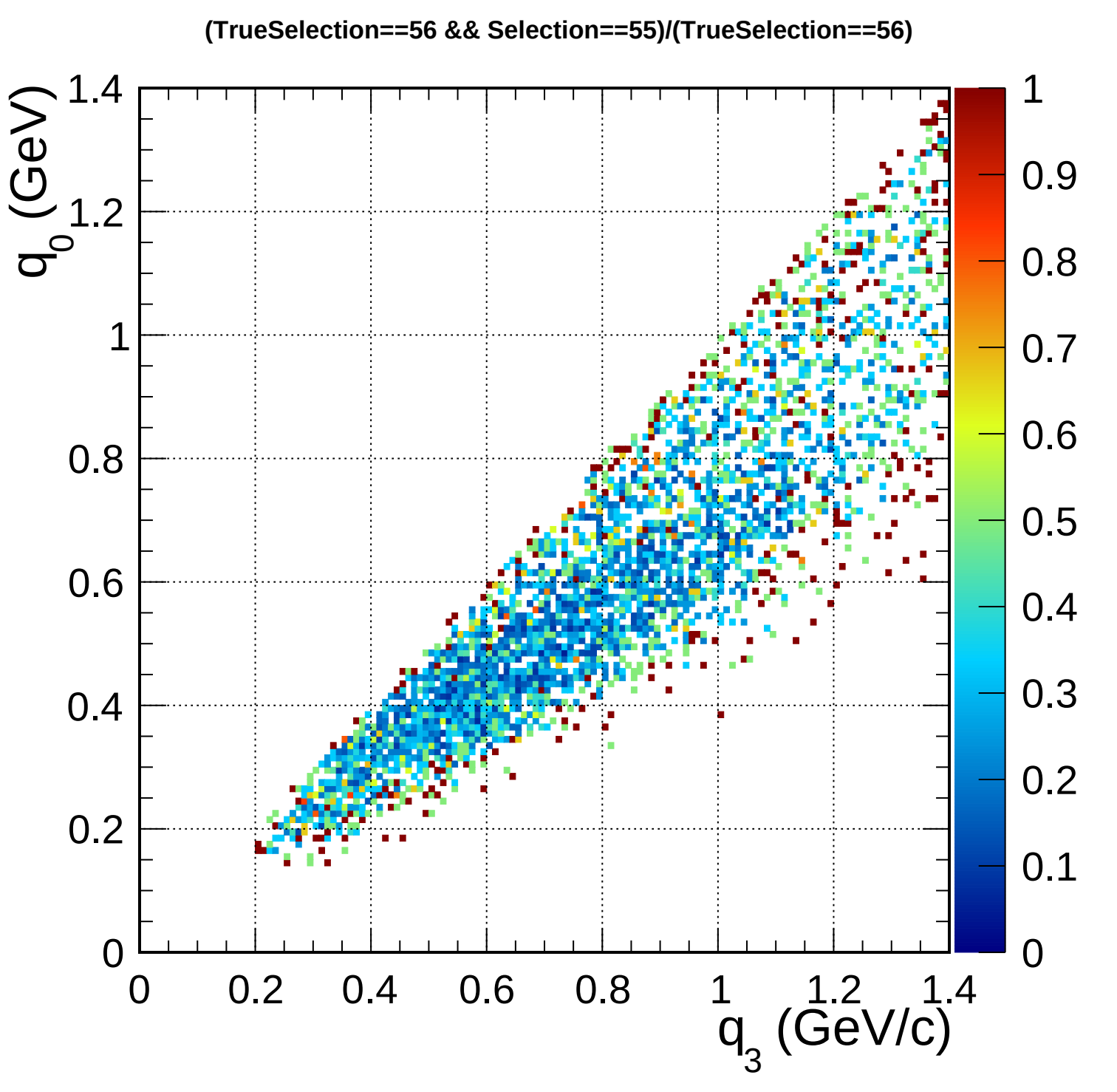

TrueSelection==56 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

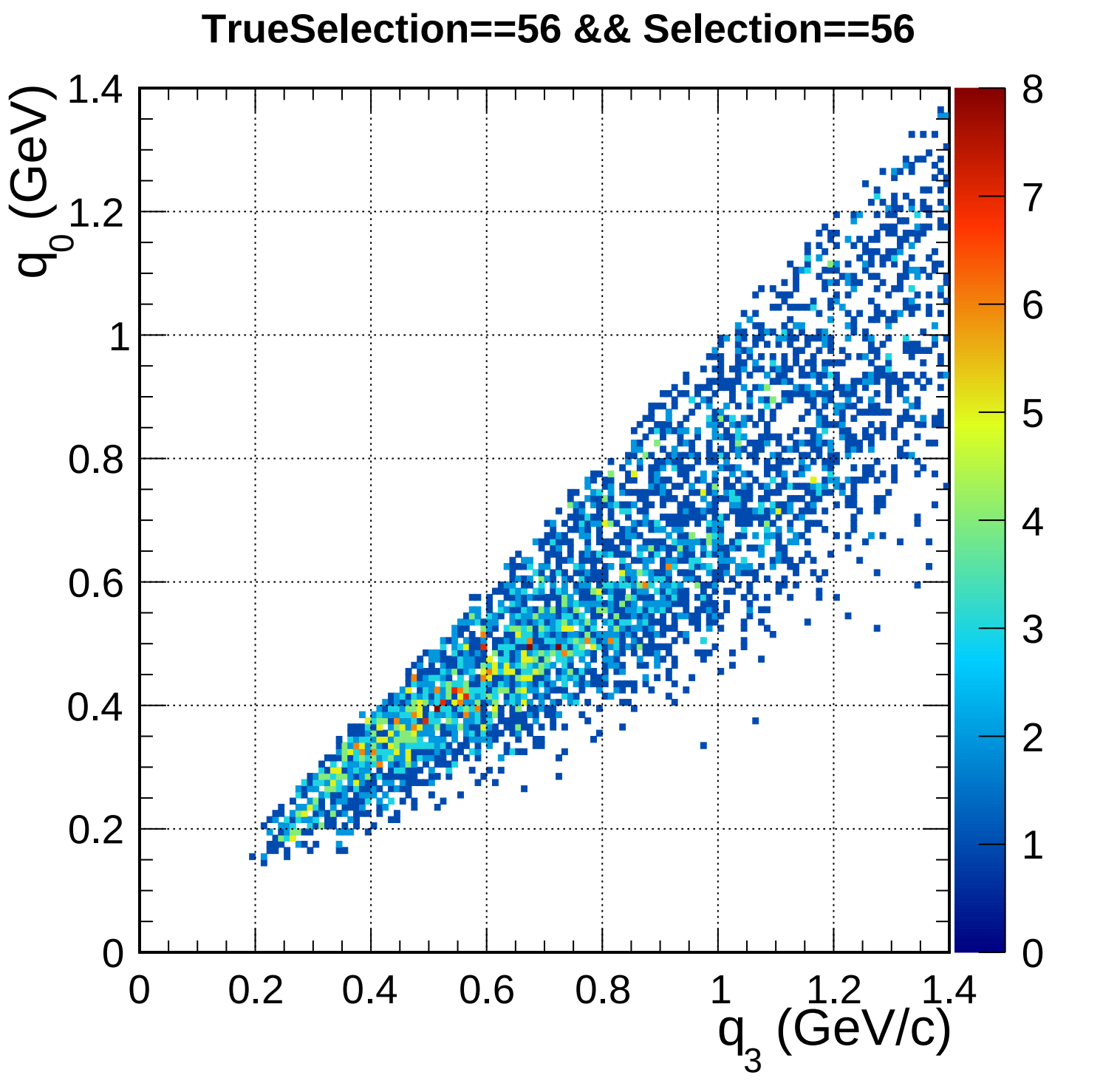

(TrueSelection==56 && Selection==50)/(TrueSelection==56)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

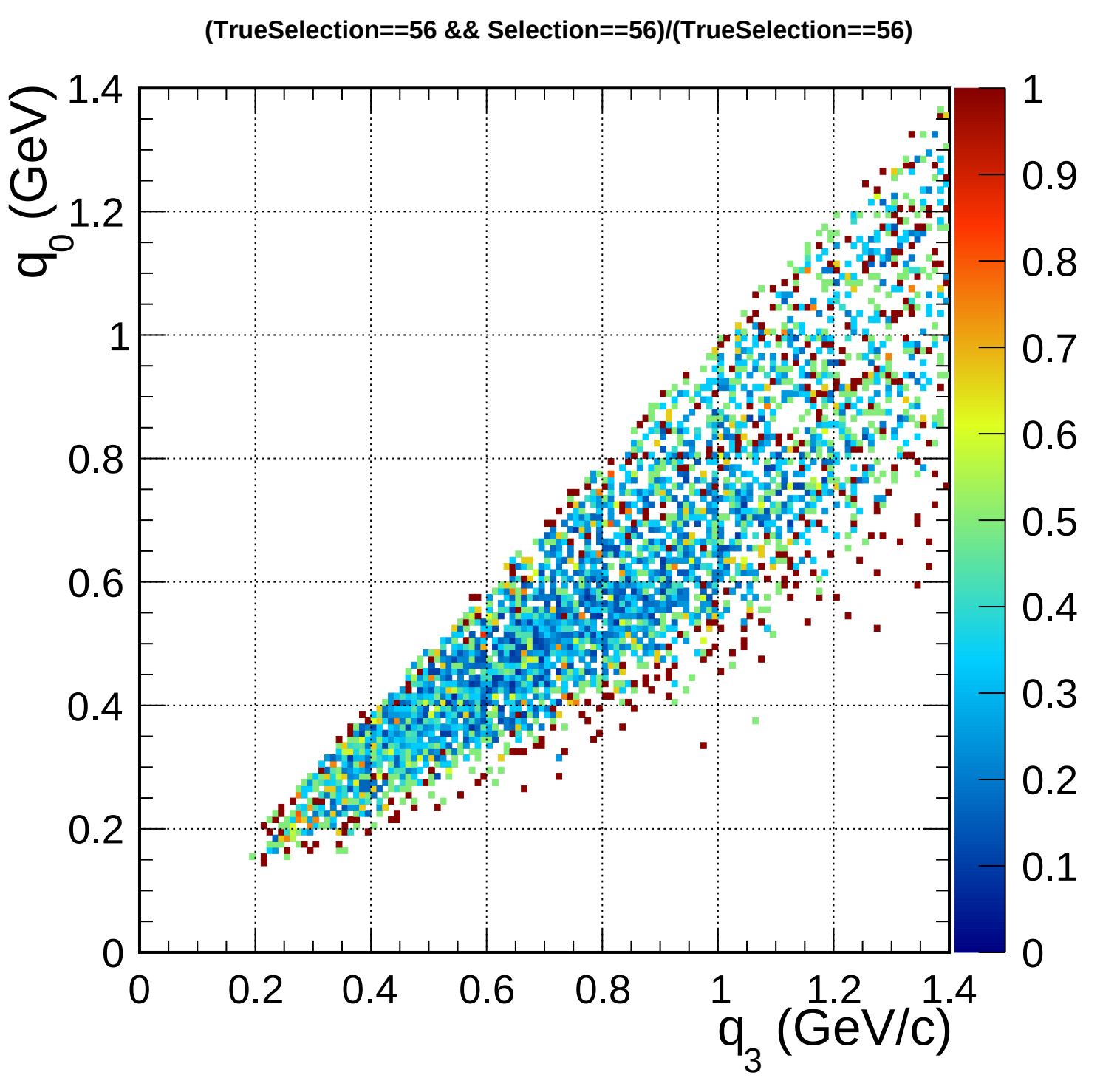

TrueSelection==56 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

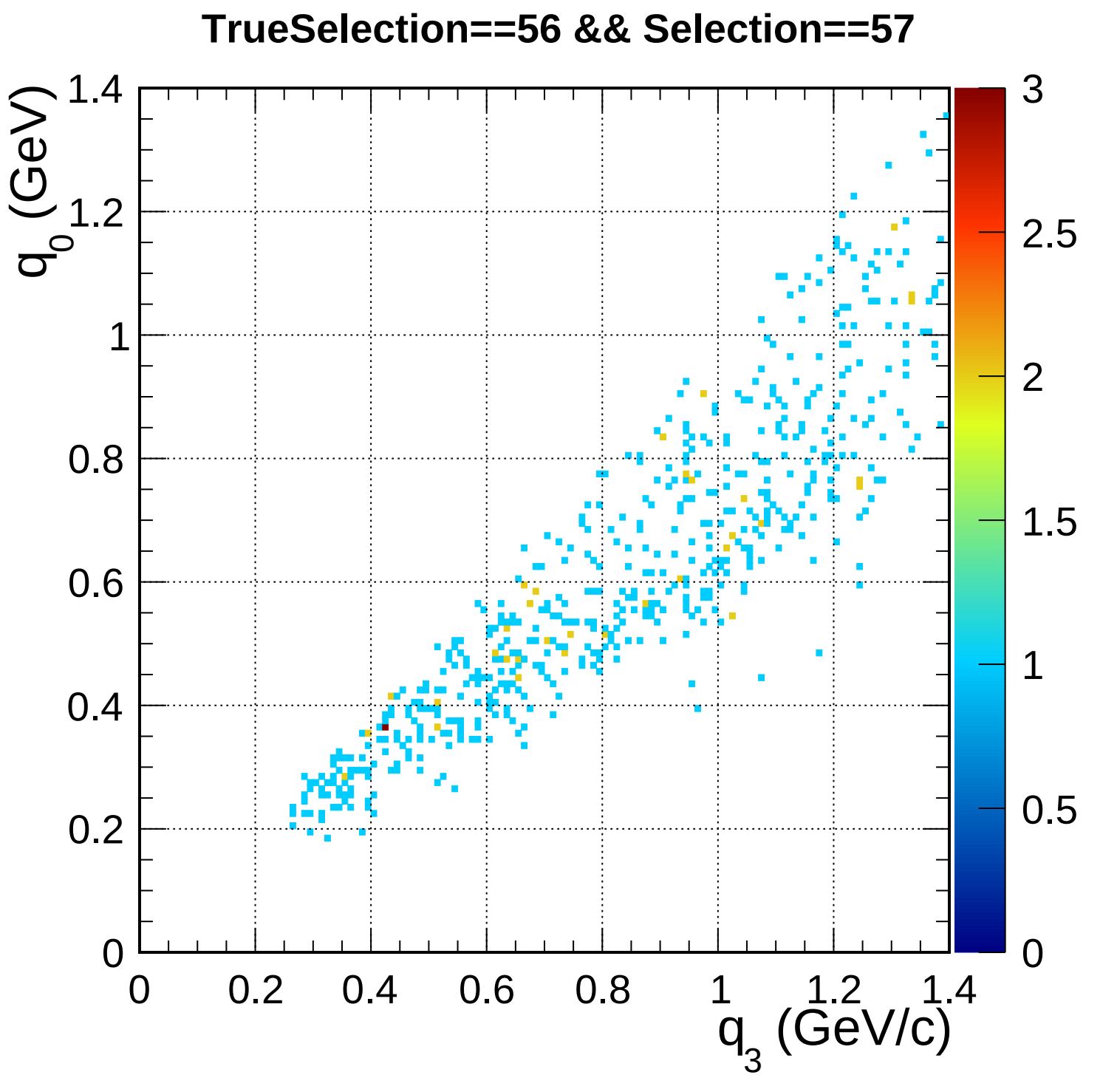

(TrueSelection==56 && Selection==51)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

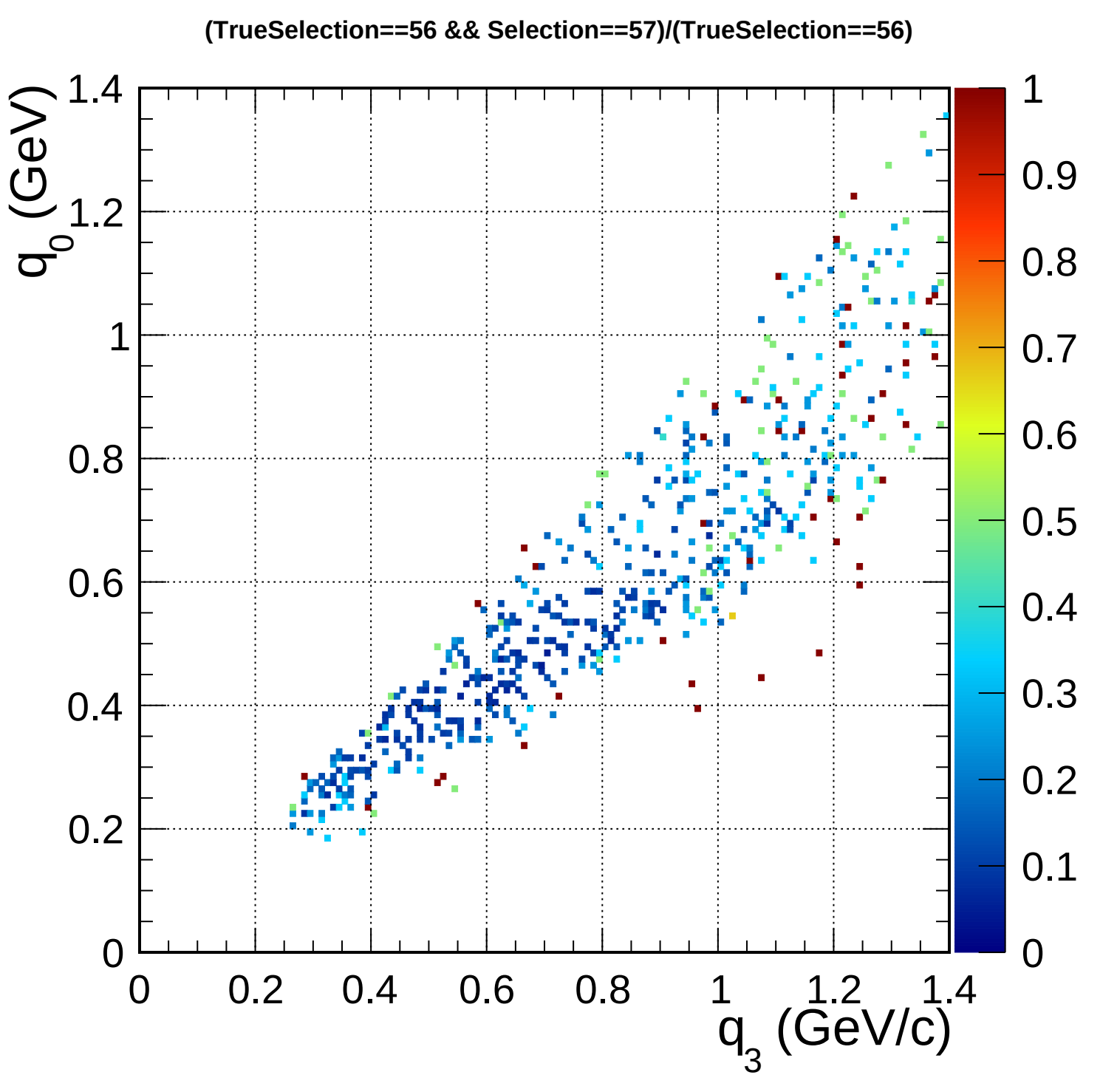

TrueSelection==56 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

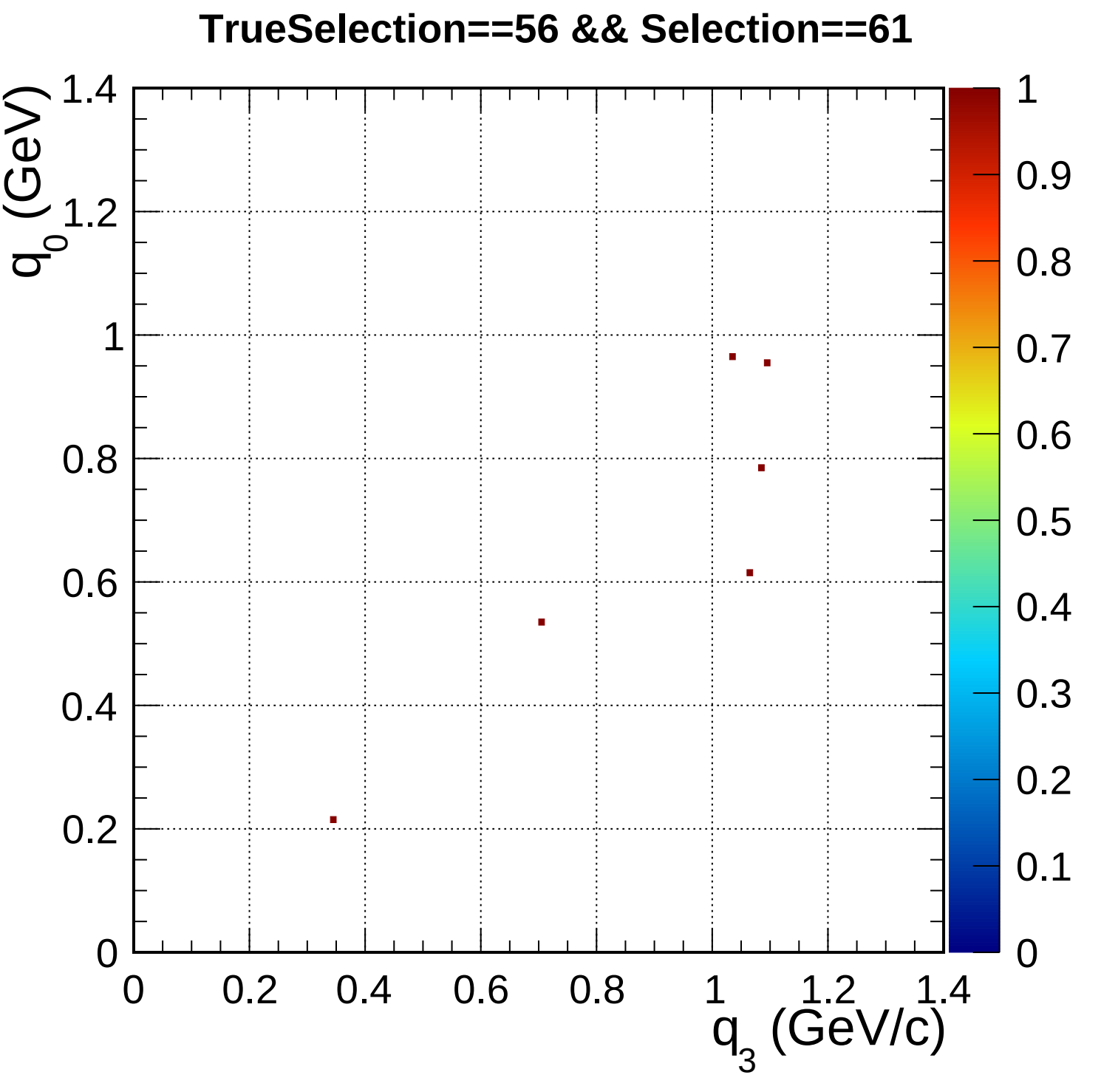

(TrueSelection==56 && Selection==55)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

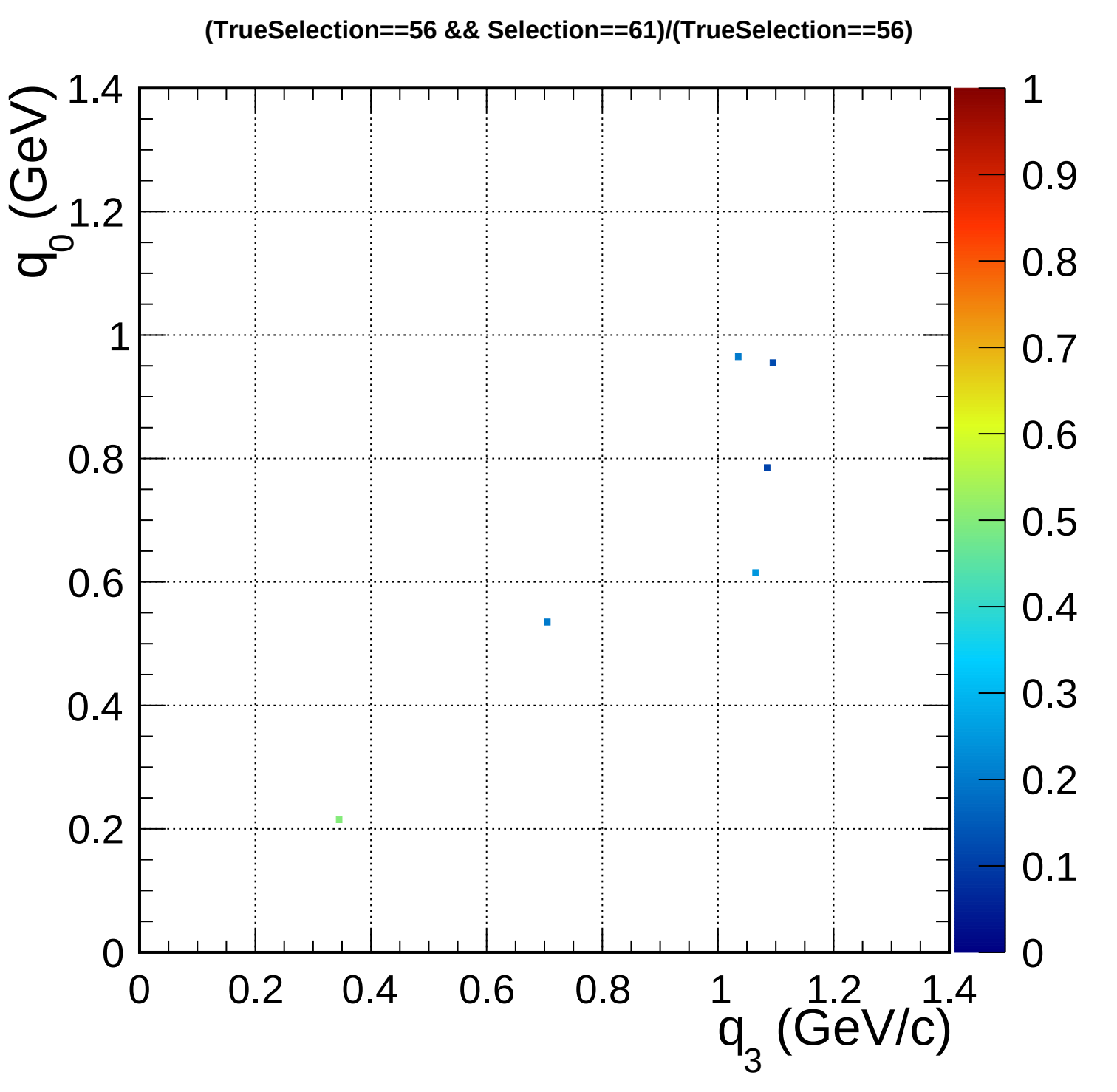

TrueSelection==56 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8

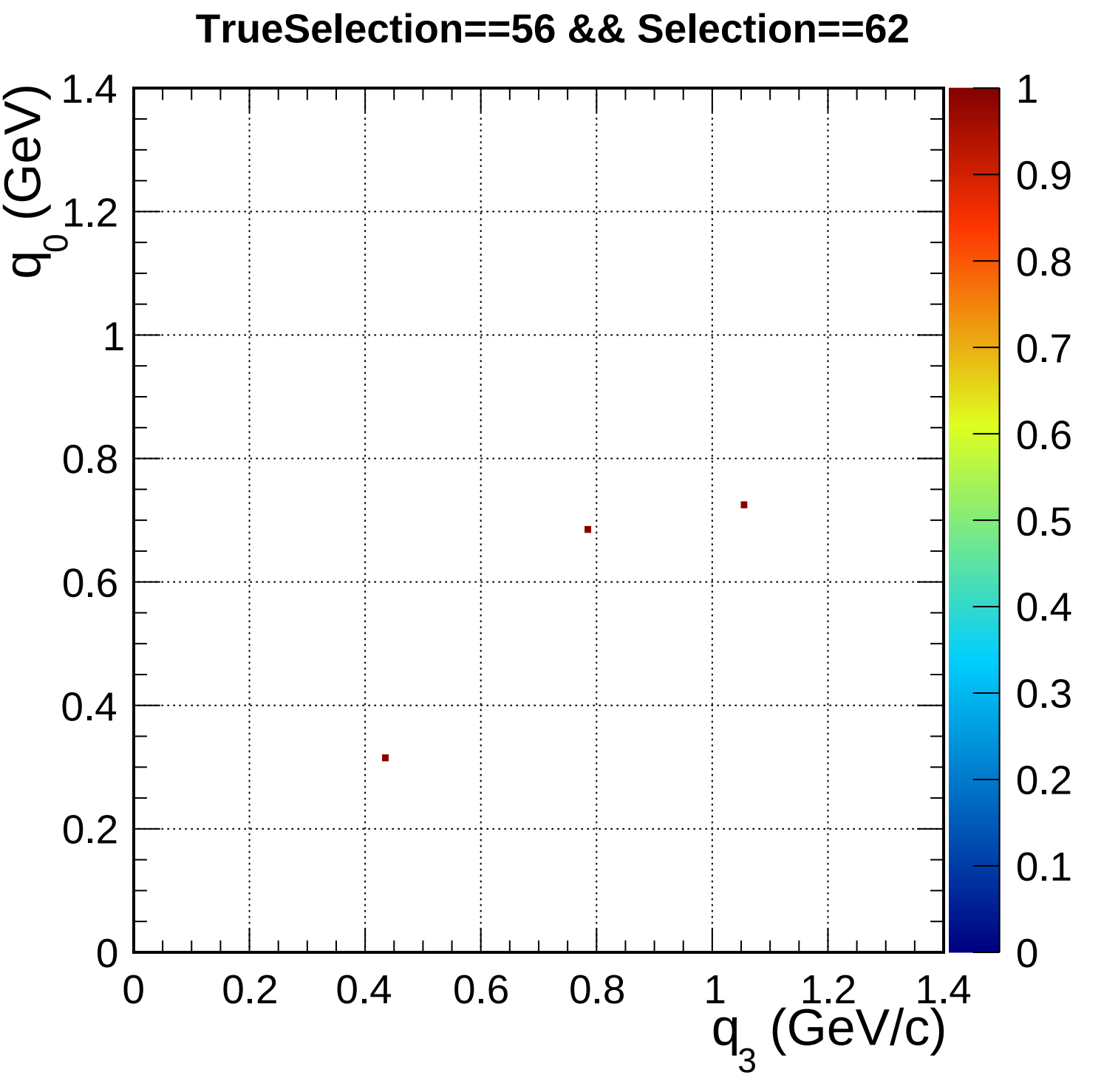

(TrueSelection==56 && Selection==56)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

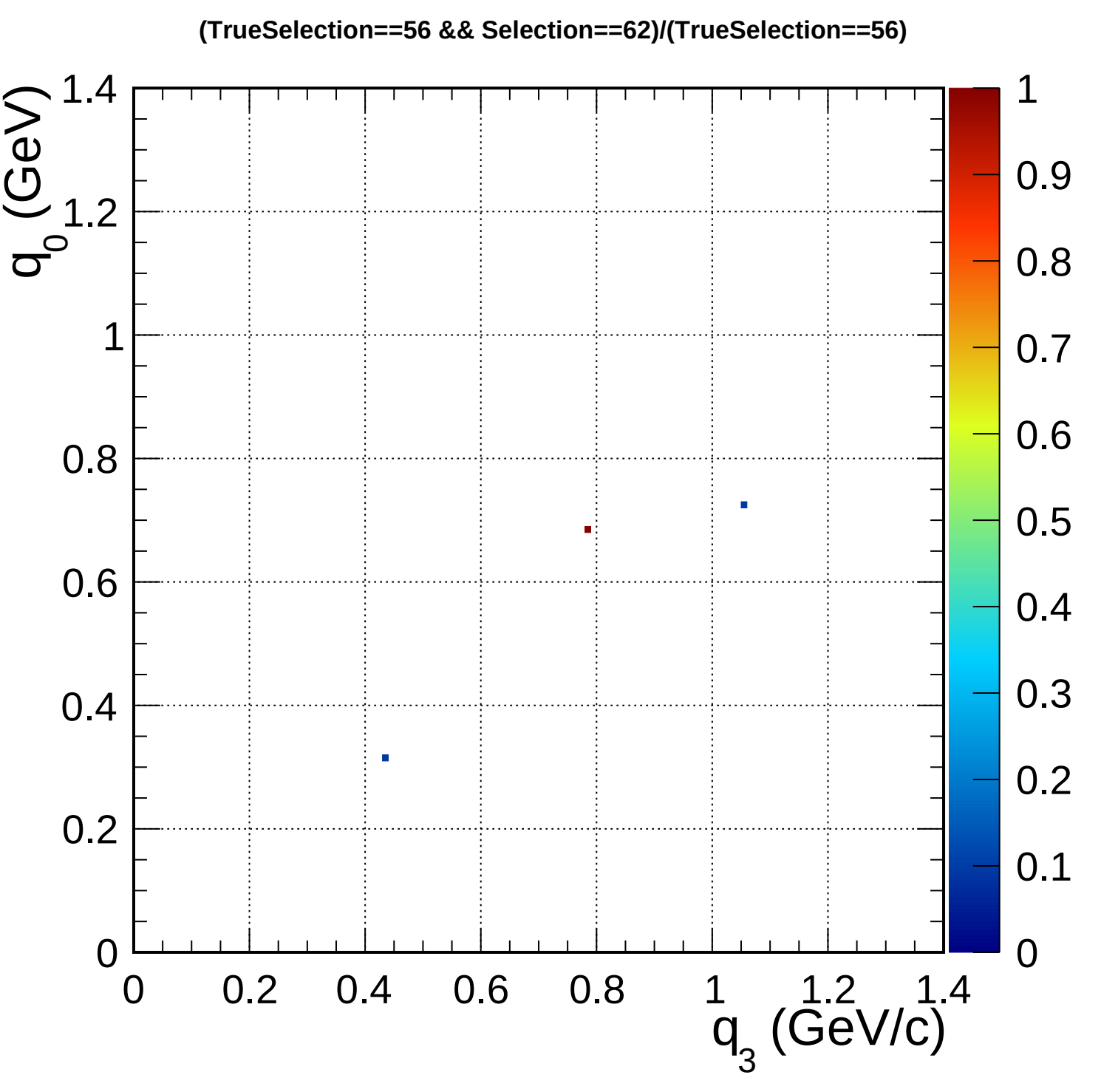

TrueSelection==56 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

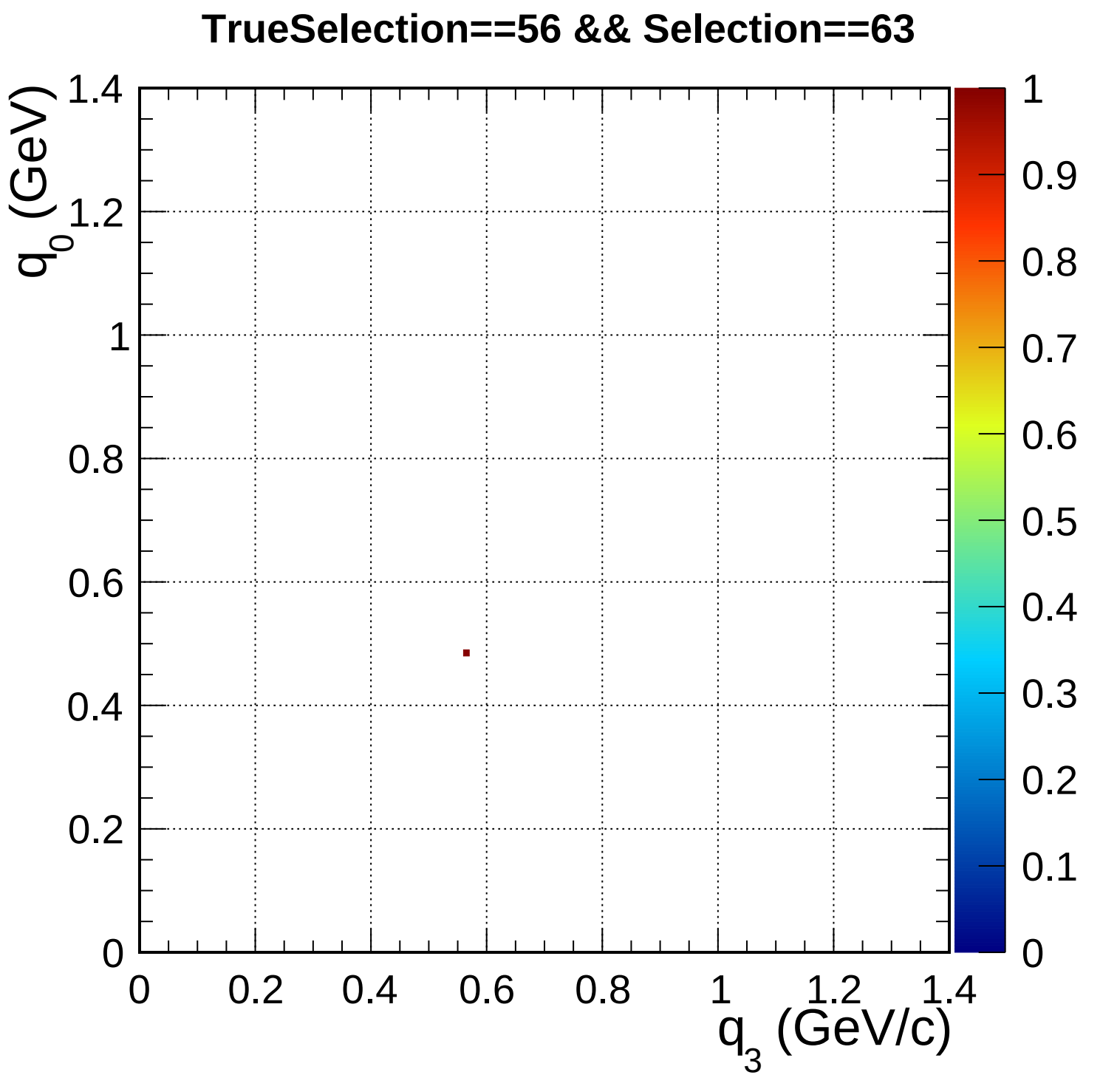

(TrueSelection==56 && Selection==57)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

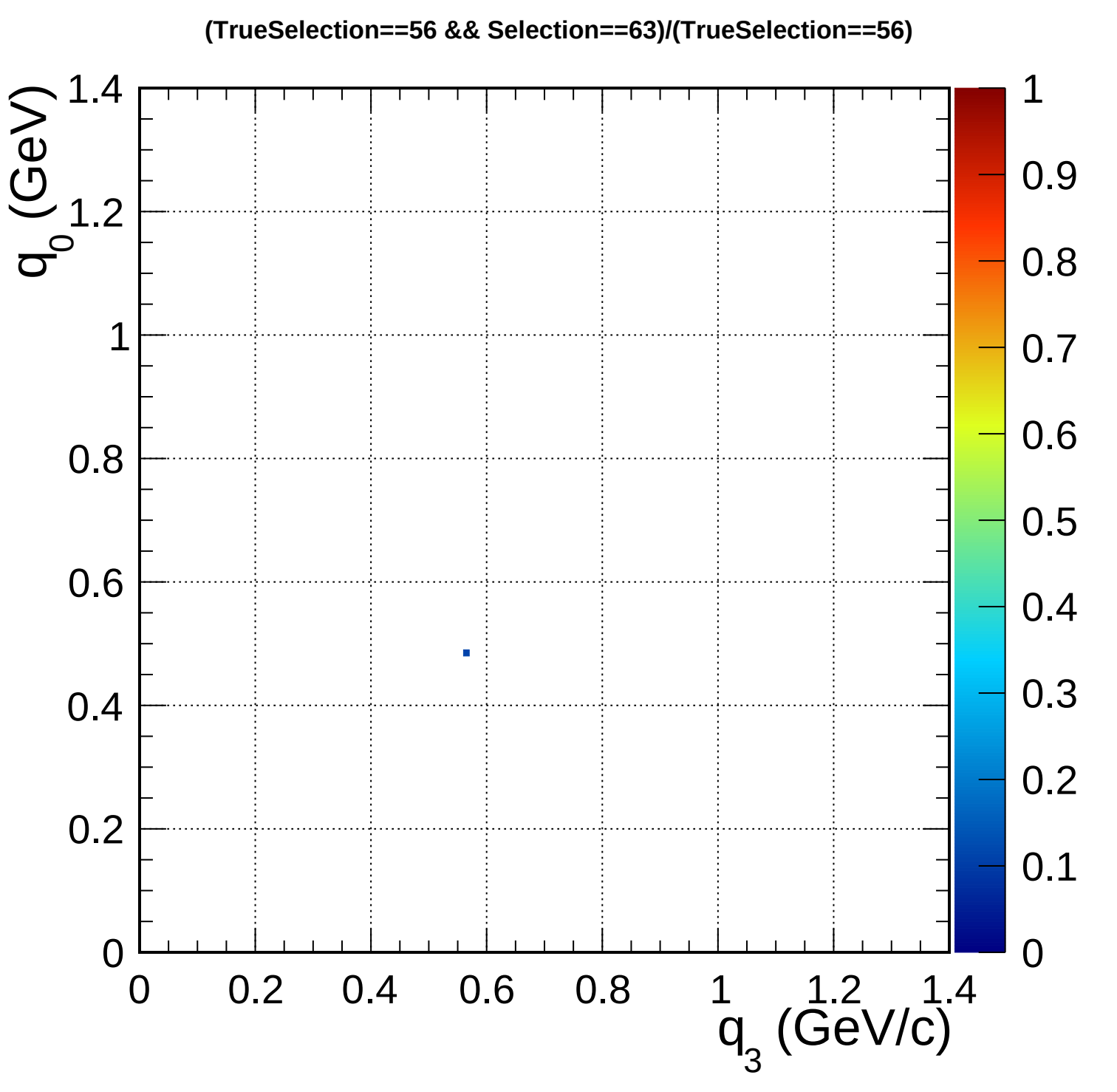

TrueSelection==56 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

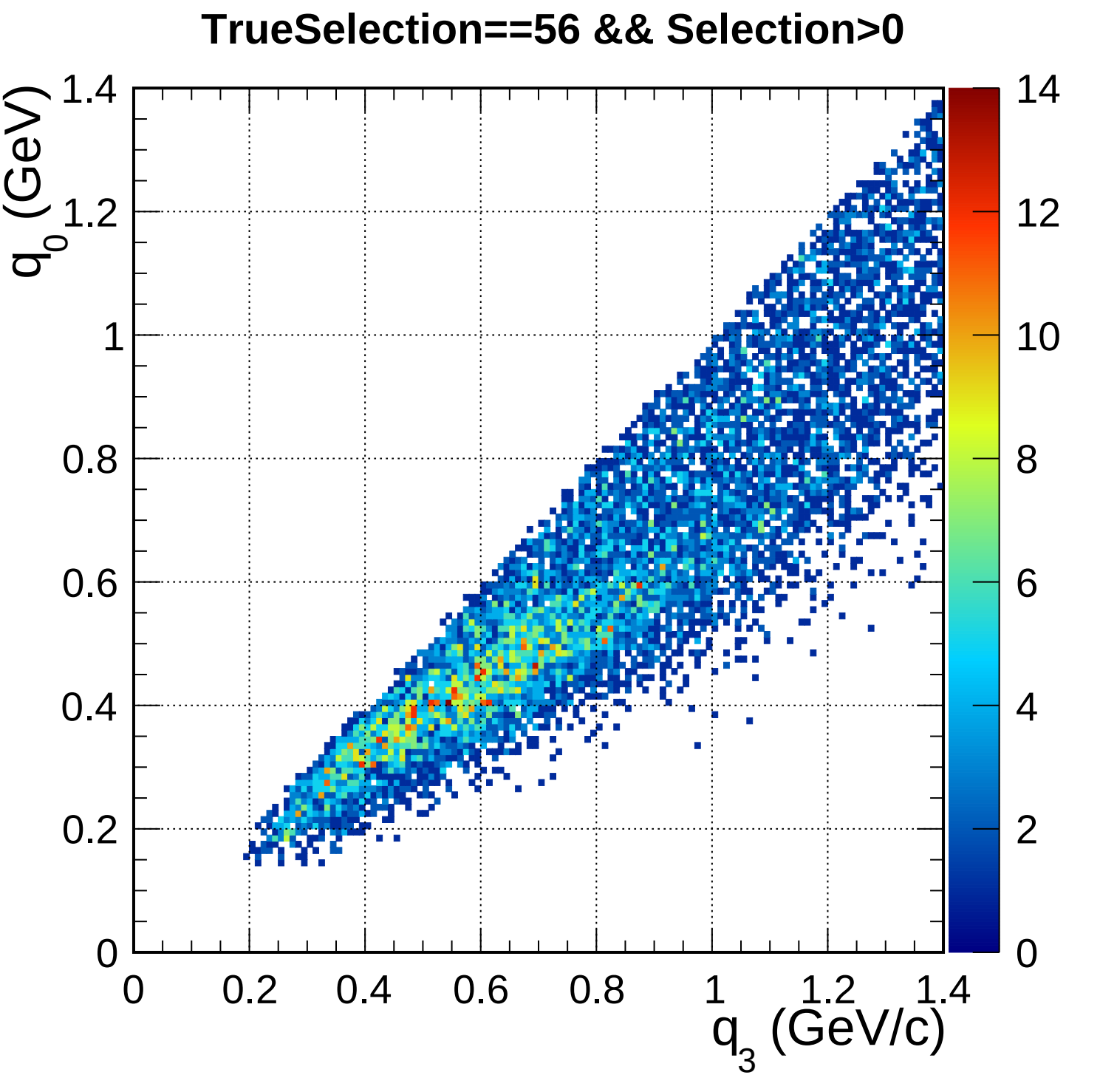

(TrueSelection==56 && Selection==61)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

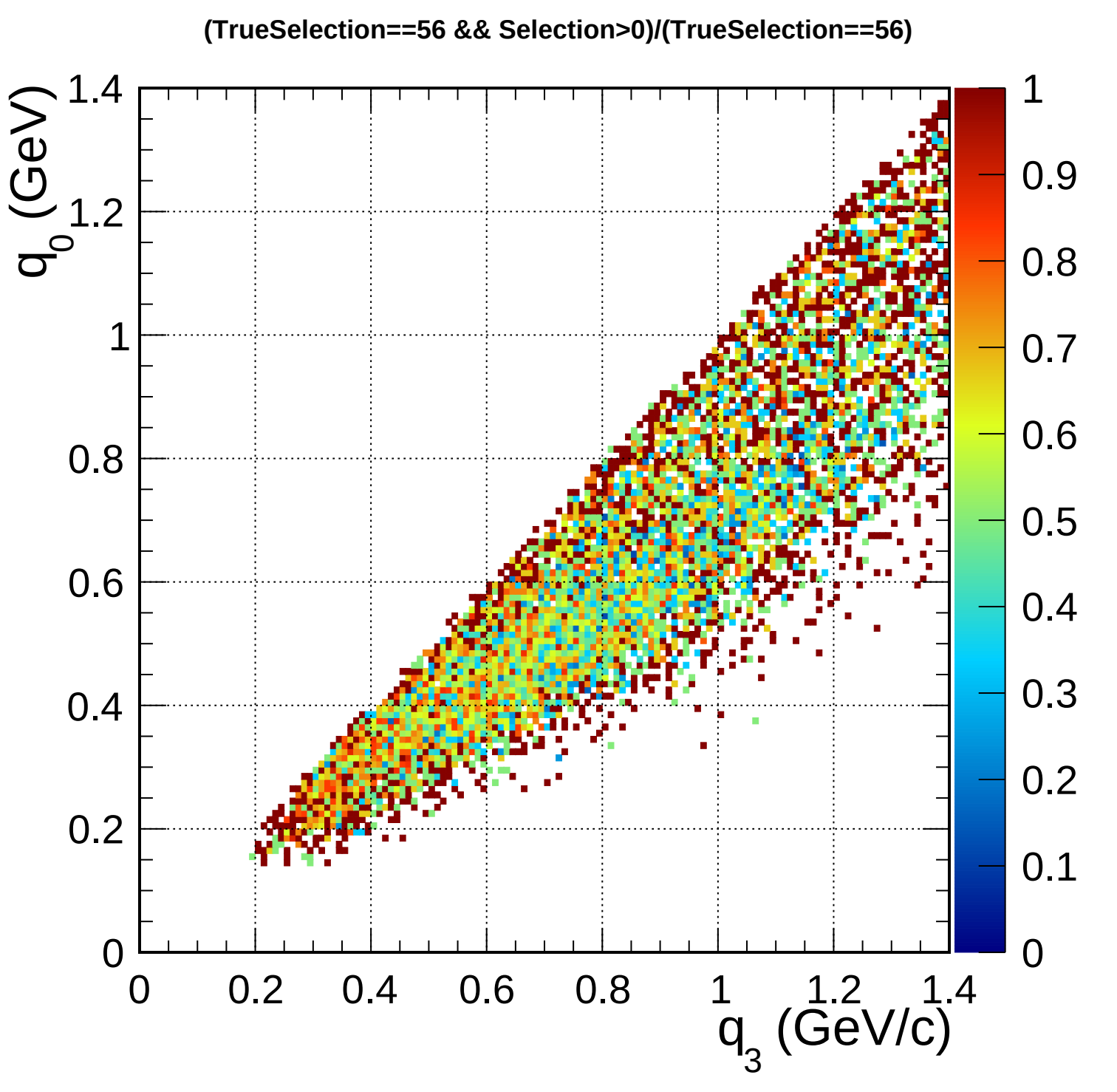

TrueSelection==56 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

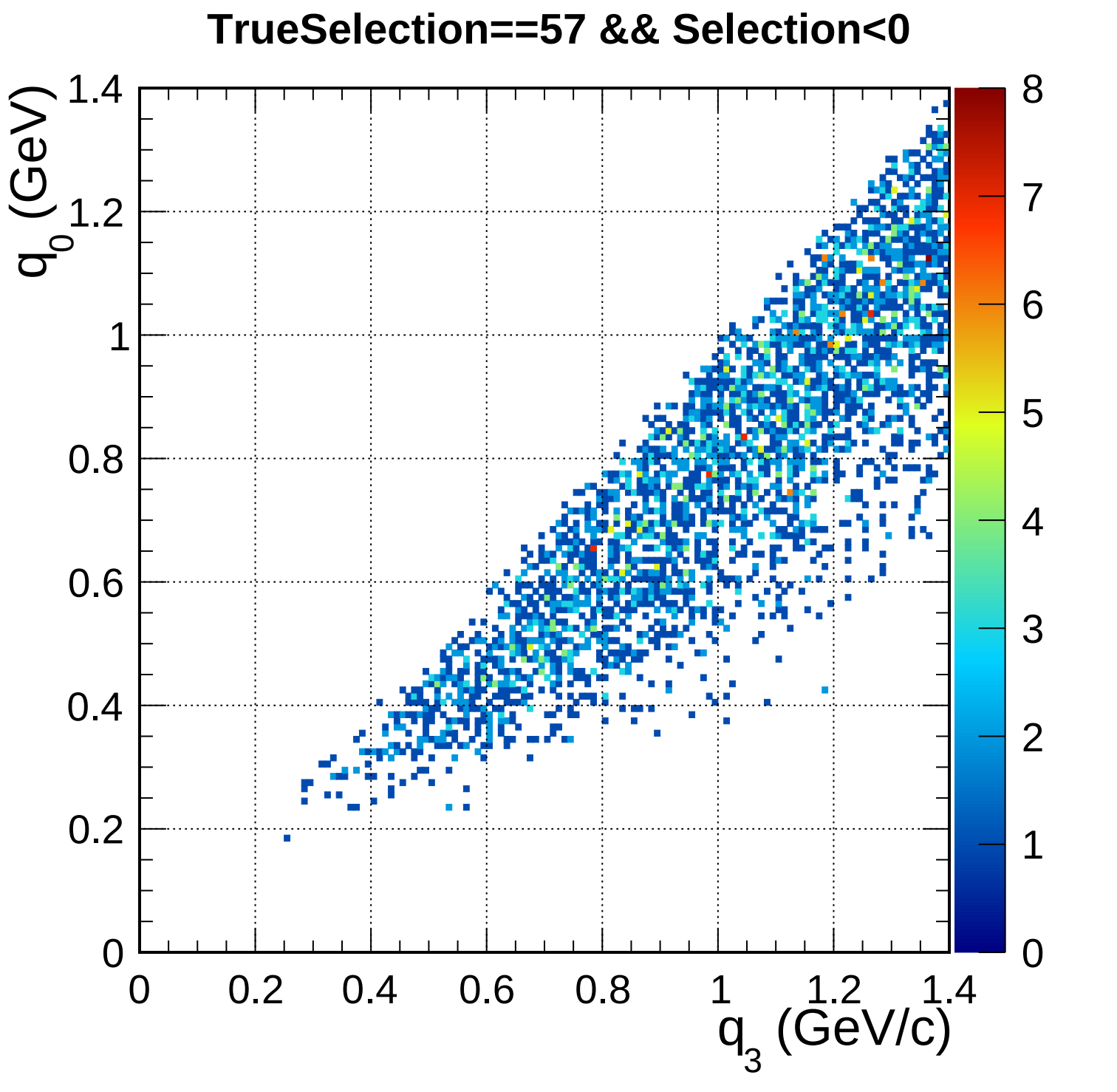

(TrueSelection==56 && Selection==62)/(TrueSelection==56)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

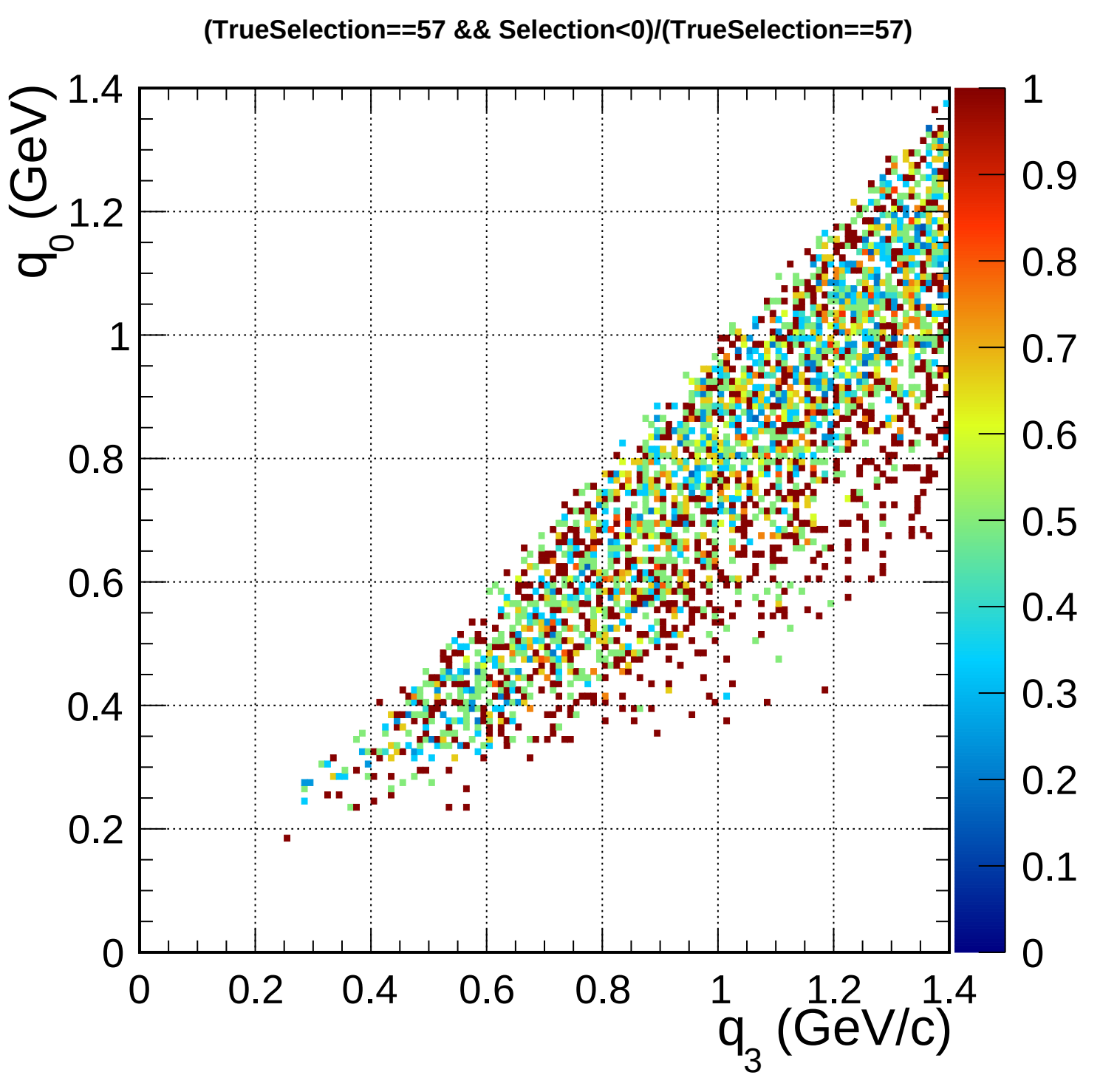

TrueSelection==56 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

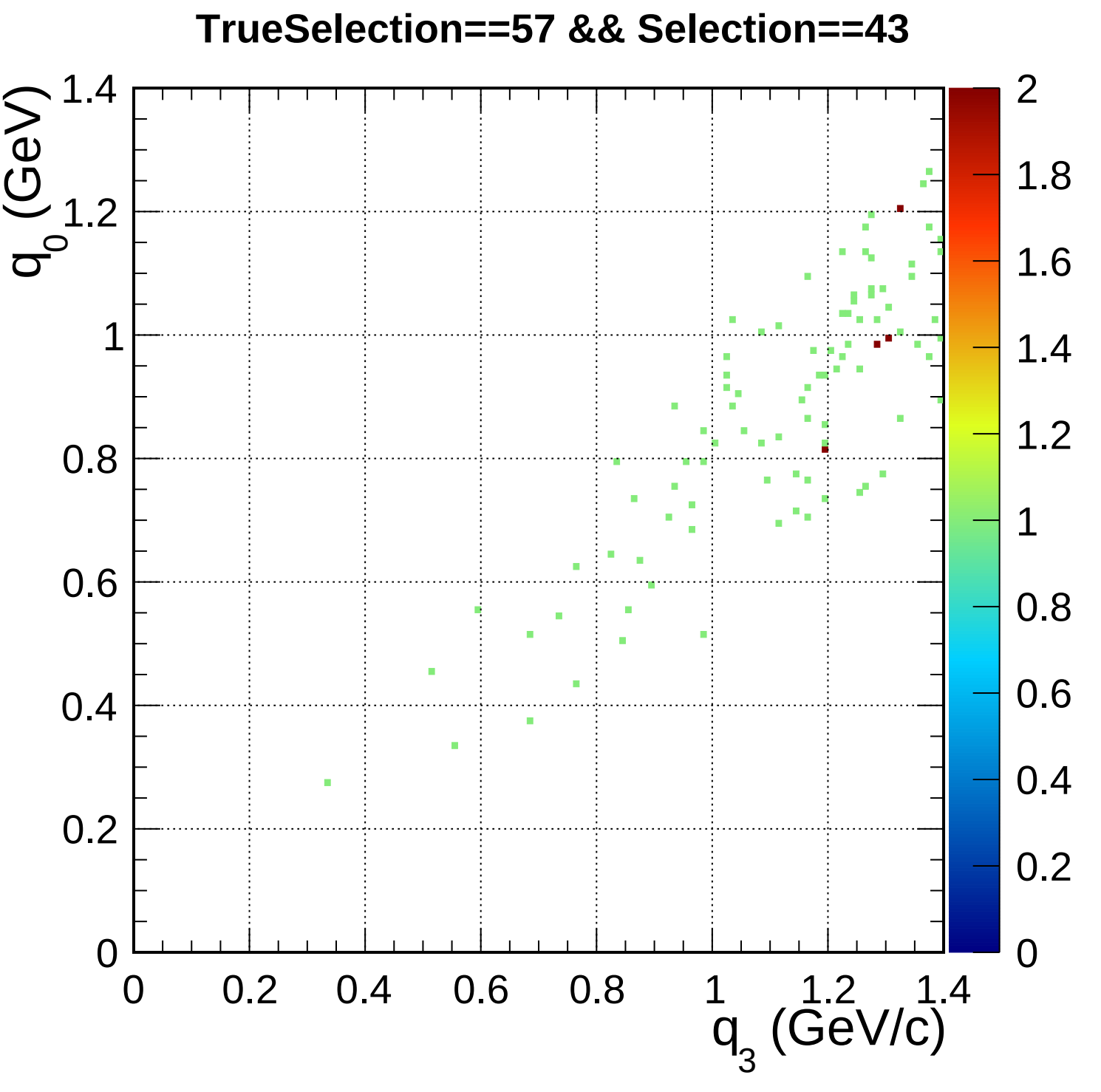

(TrueSelection==56 && Selection==63)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

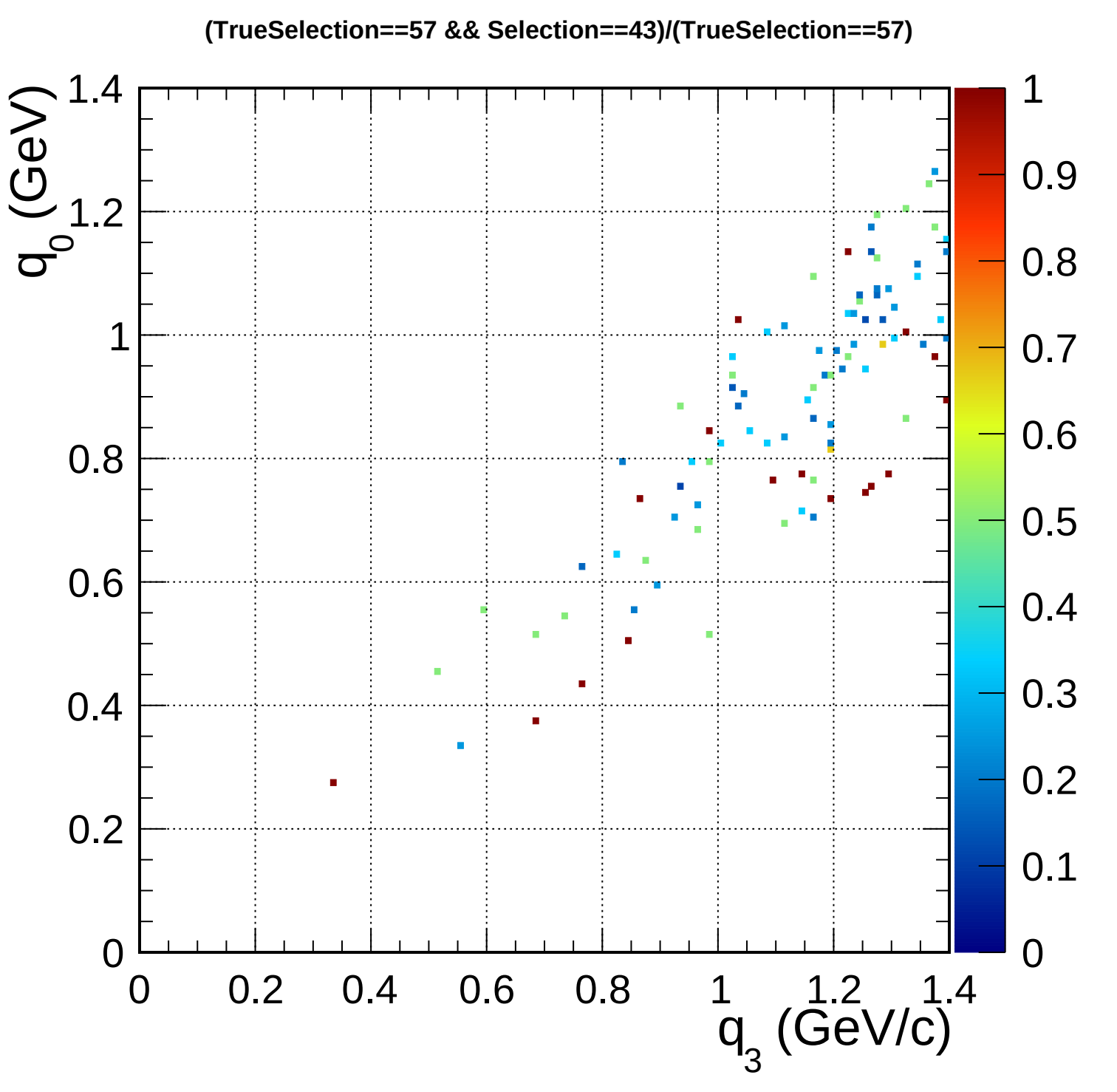

TrueSelection==56 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14

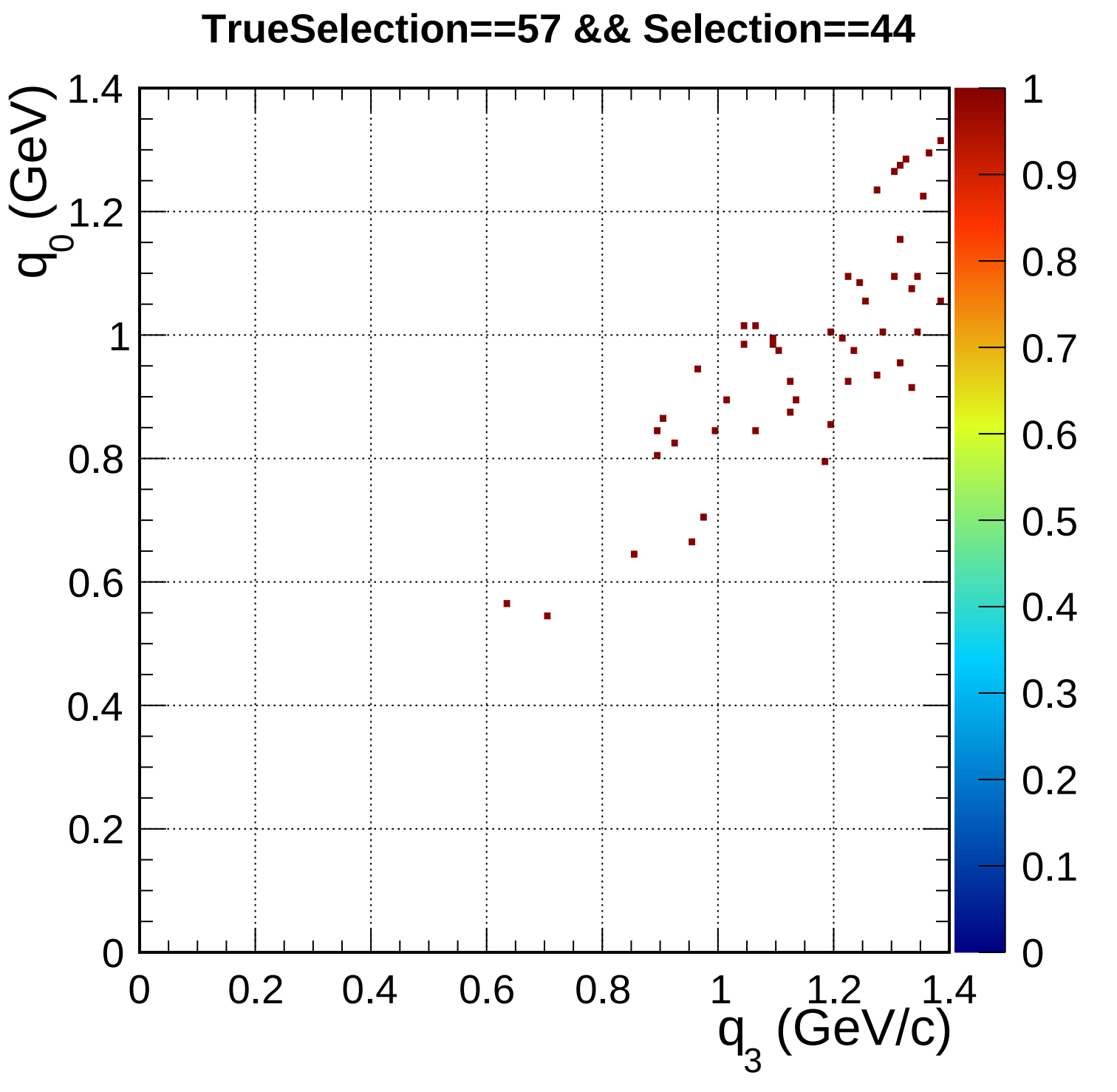

(TrueSelection==56 && Selection>0)/(TrueSelection==56)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

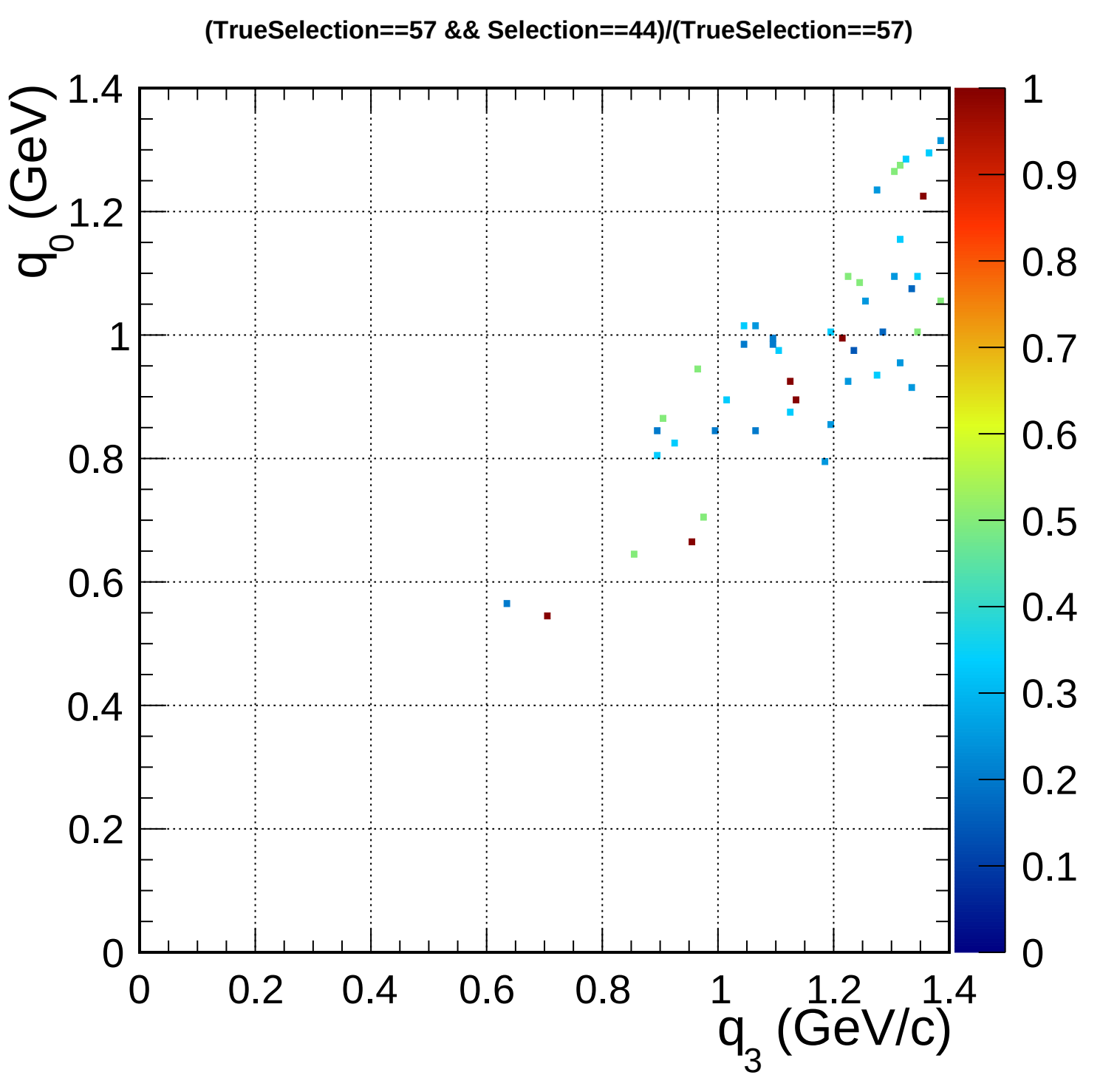

TrueSelection==57 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8

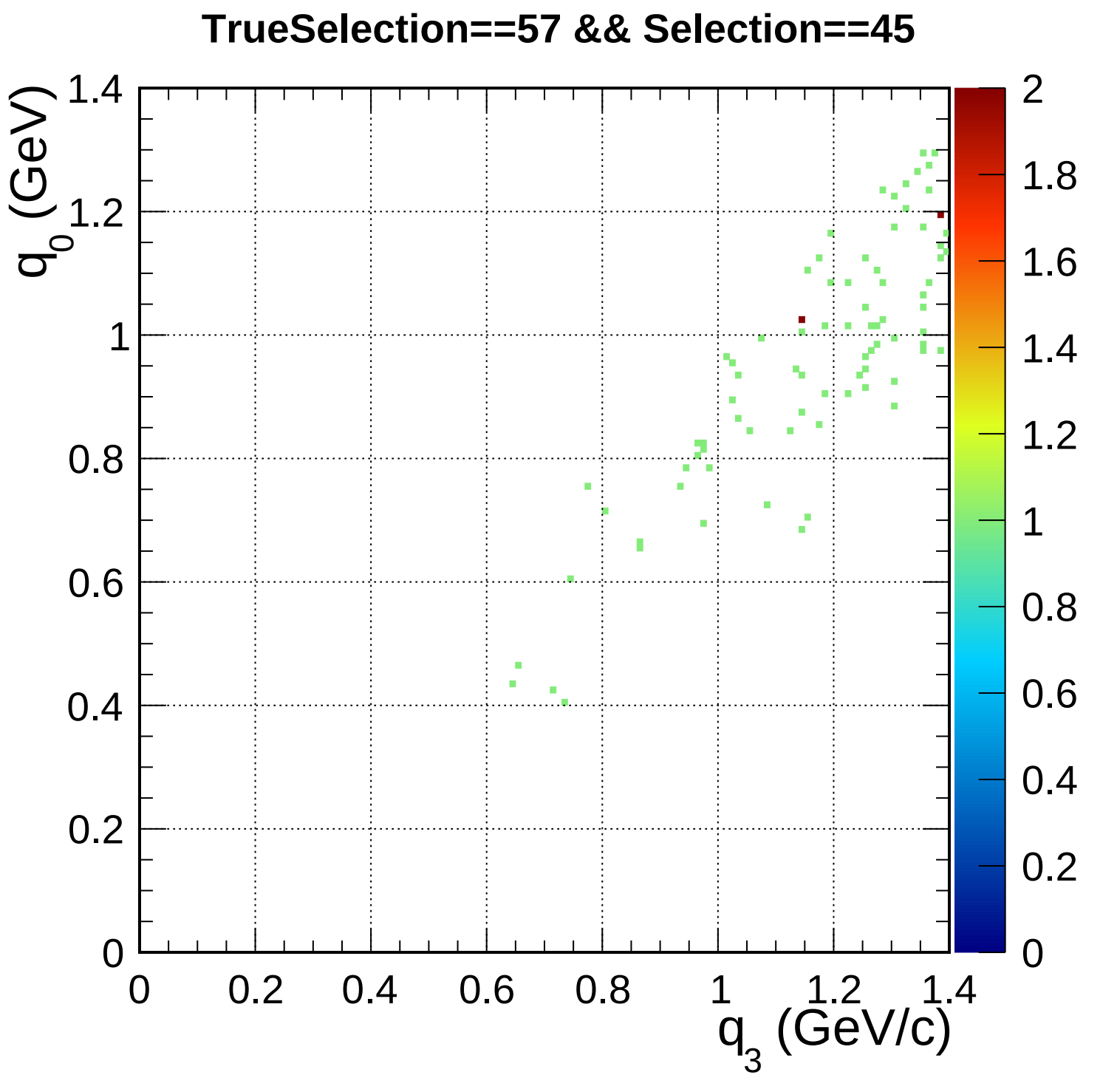

(TrueSelection==57 && Selection<0)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

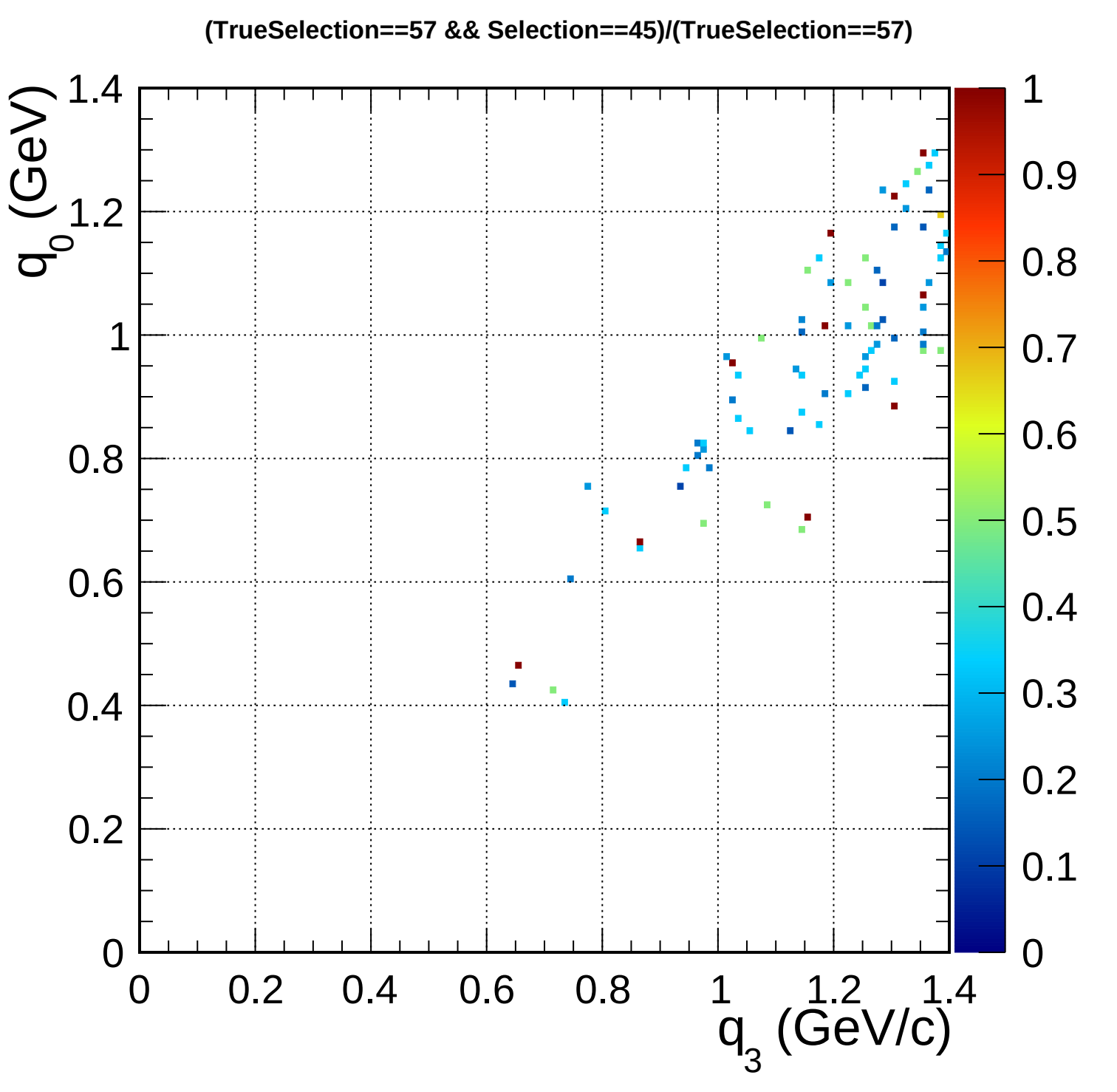

TrueSelection==57 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

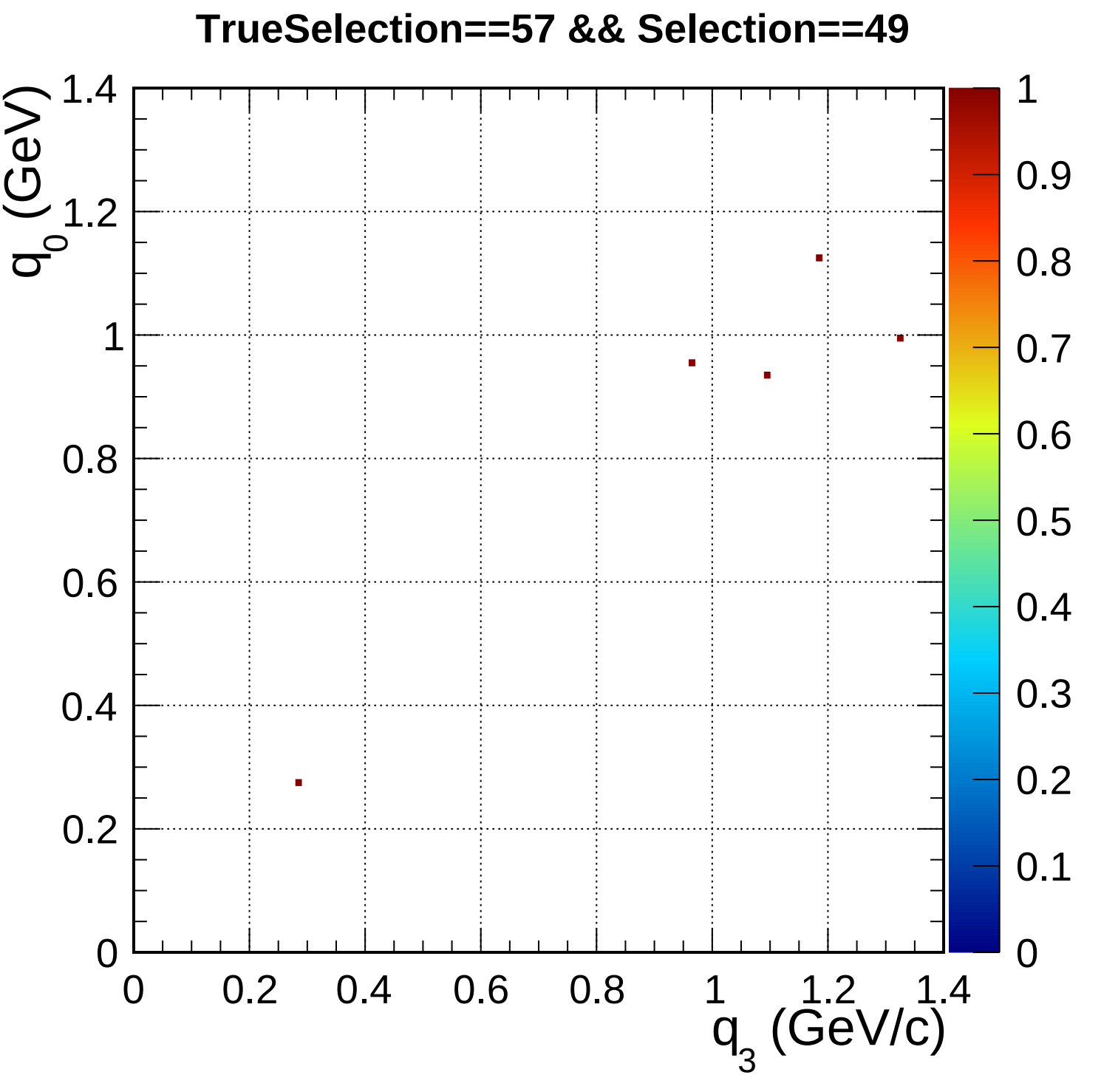

(TrueSelection==57 && Selection==43)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

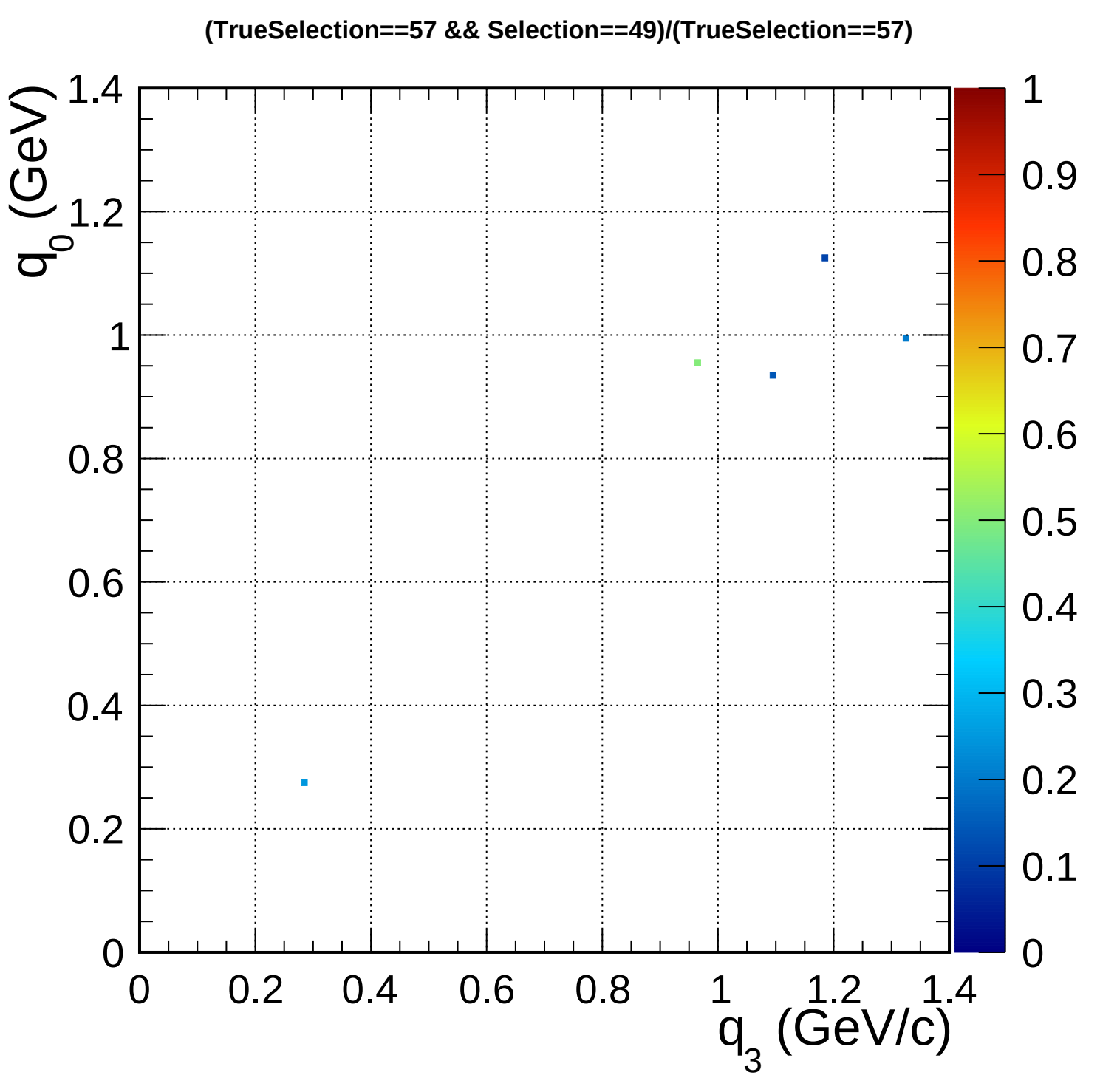

TrueSelection==57 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

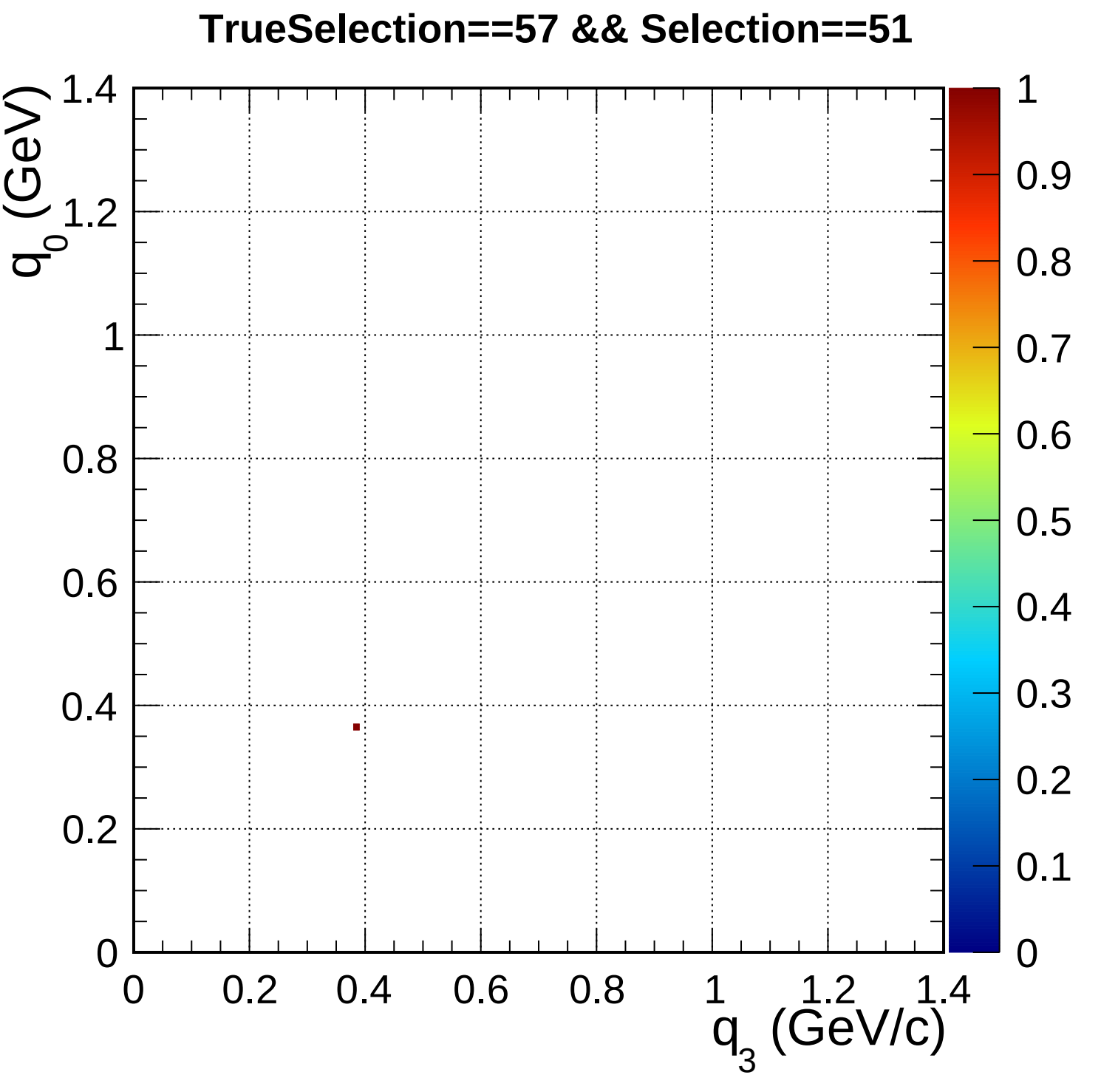

(TrueSelection==57 && Selection==44)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

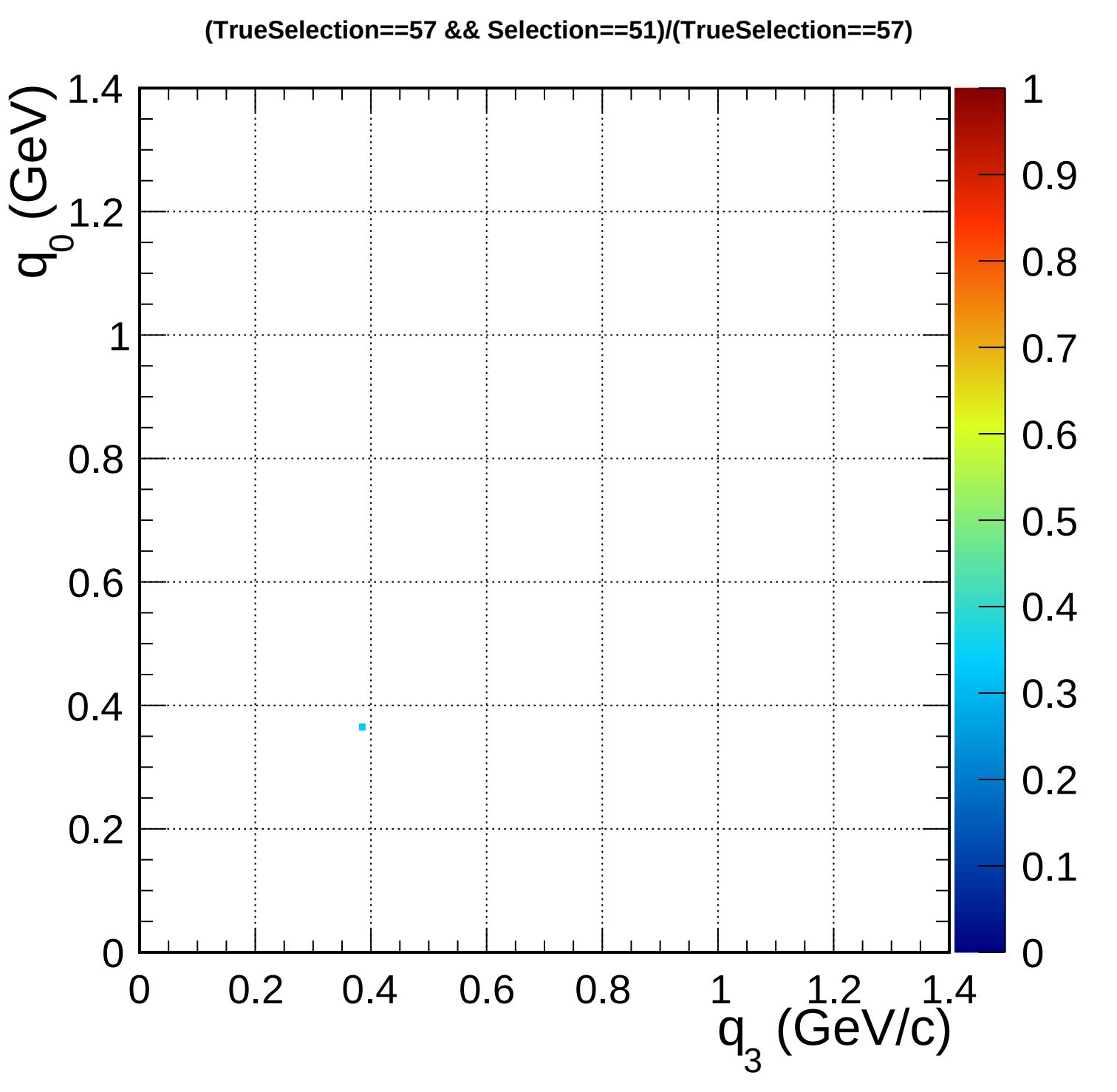

TrueSelection==57 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.8
1.6

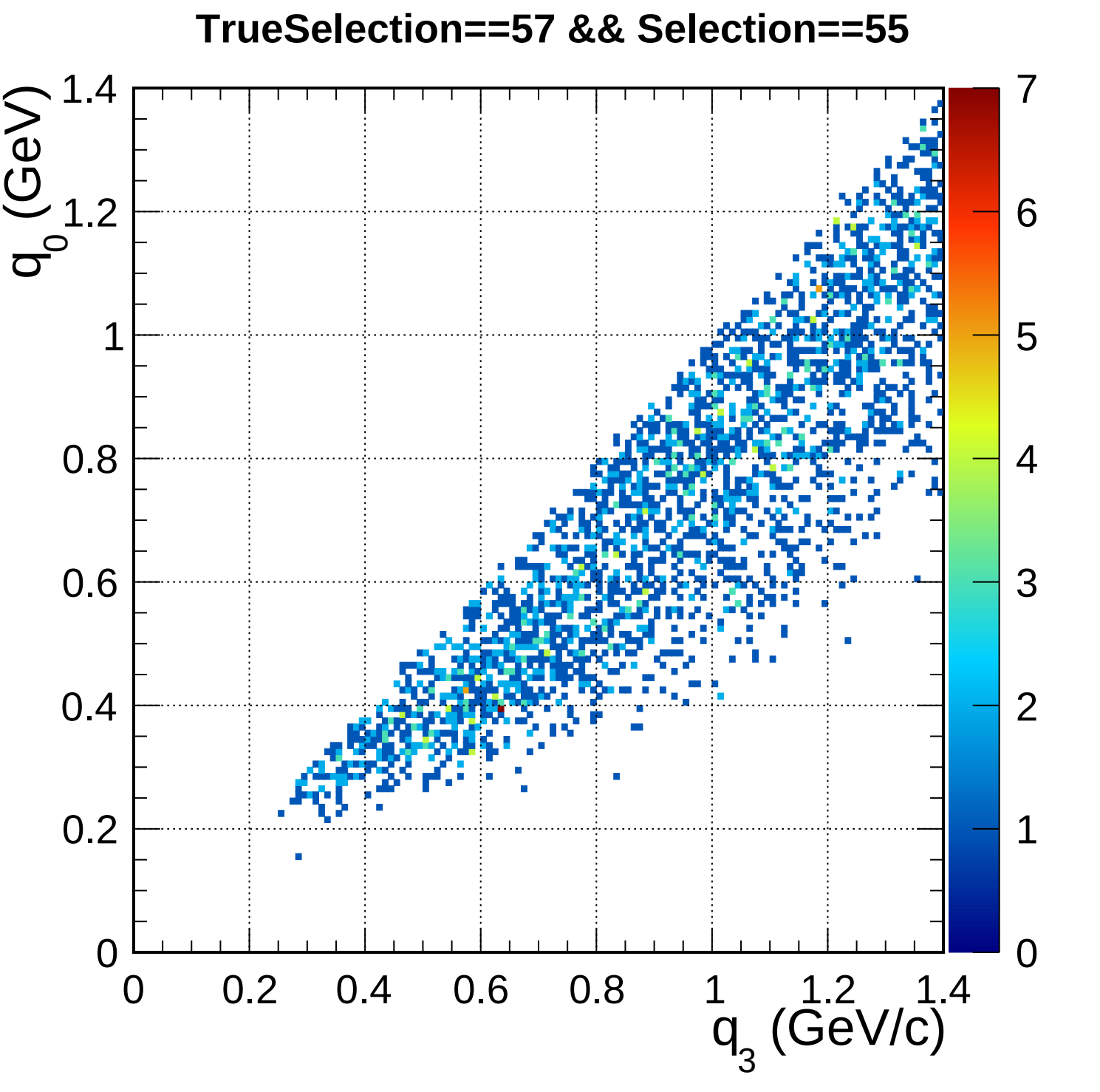

(TrueSelection==57 && Selection==45)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

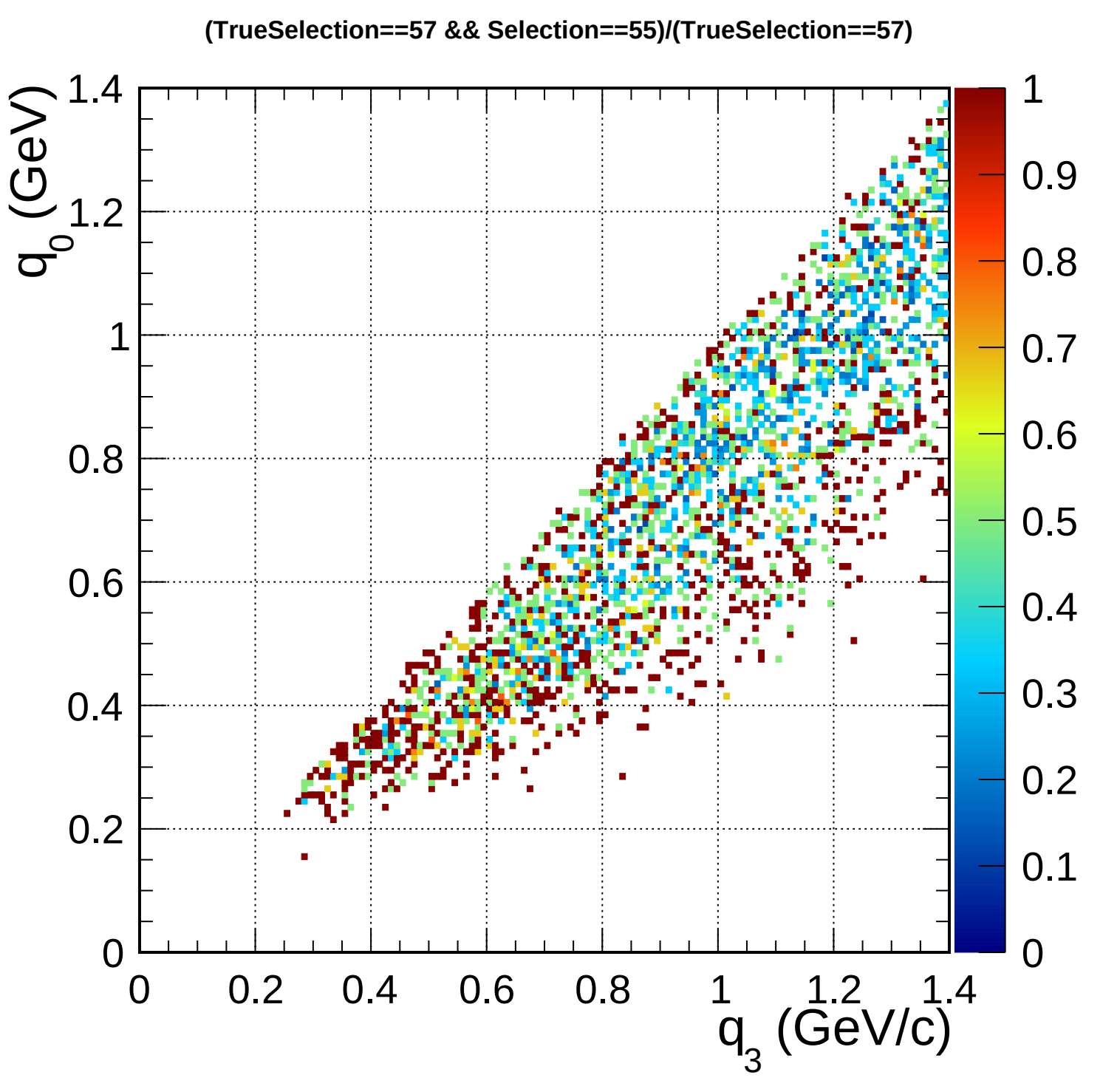

TrueSelection==57 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

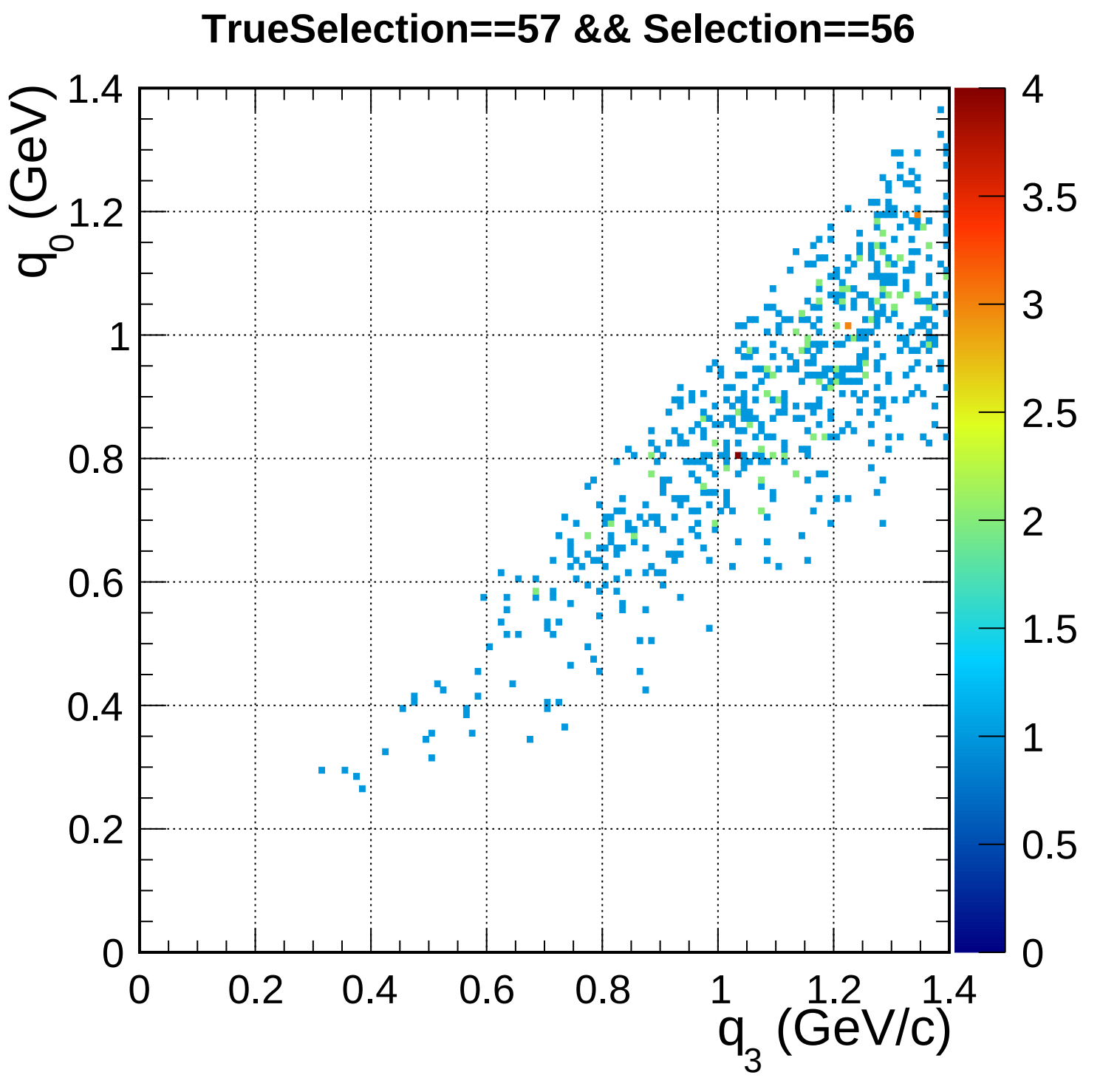

(TrueSelection==57 && Selection==49)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

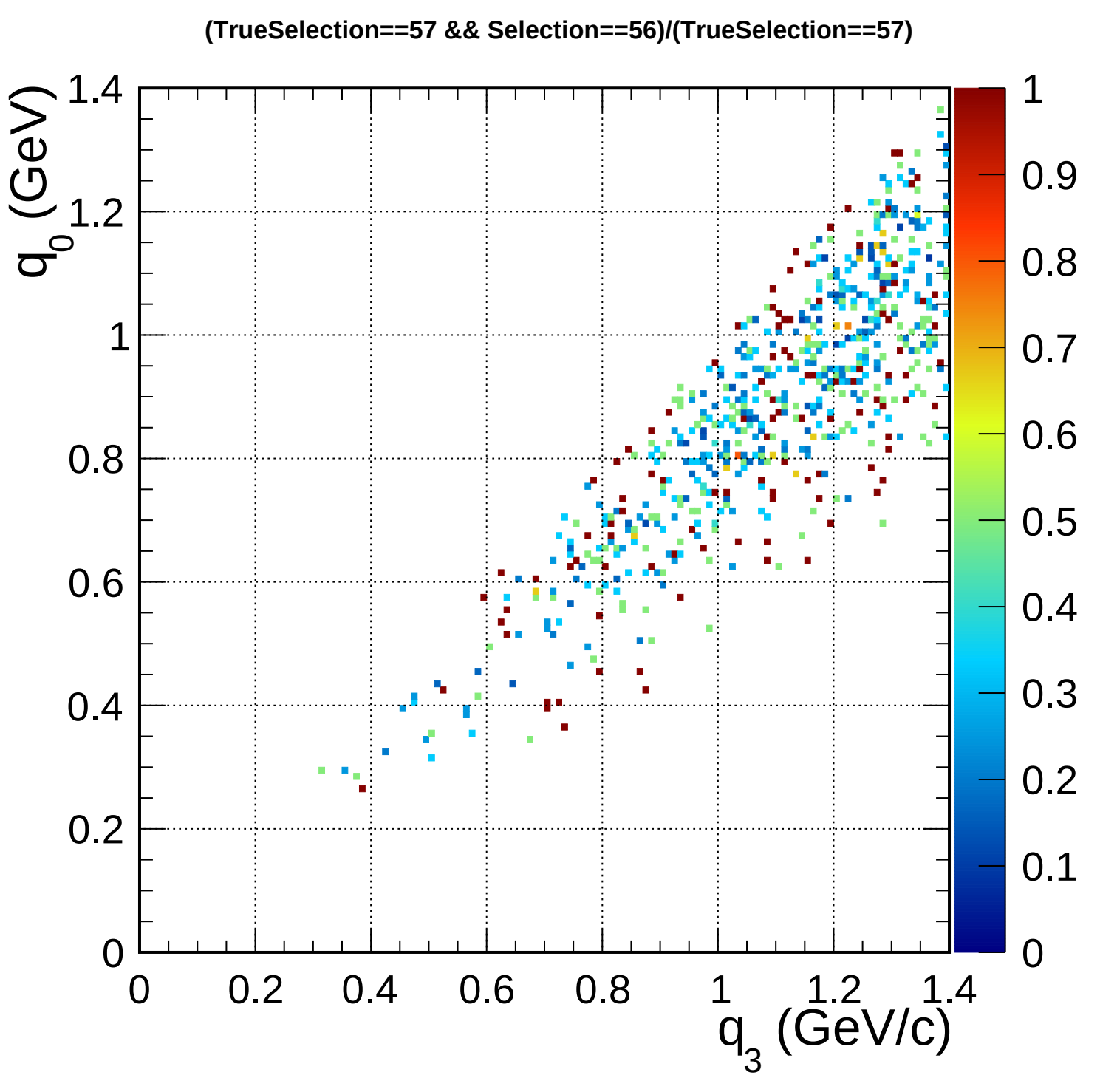

TrueSelection==57 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

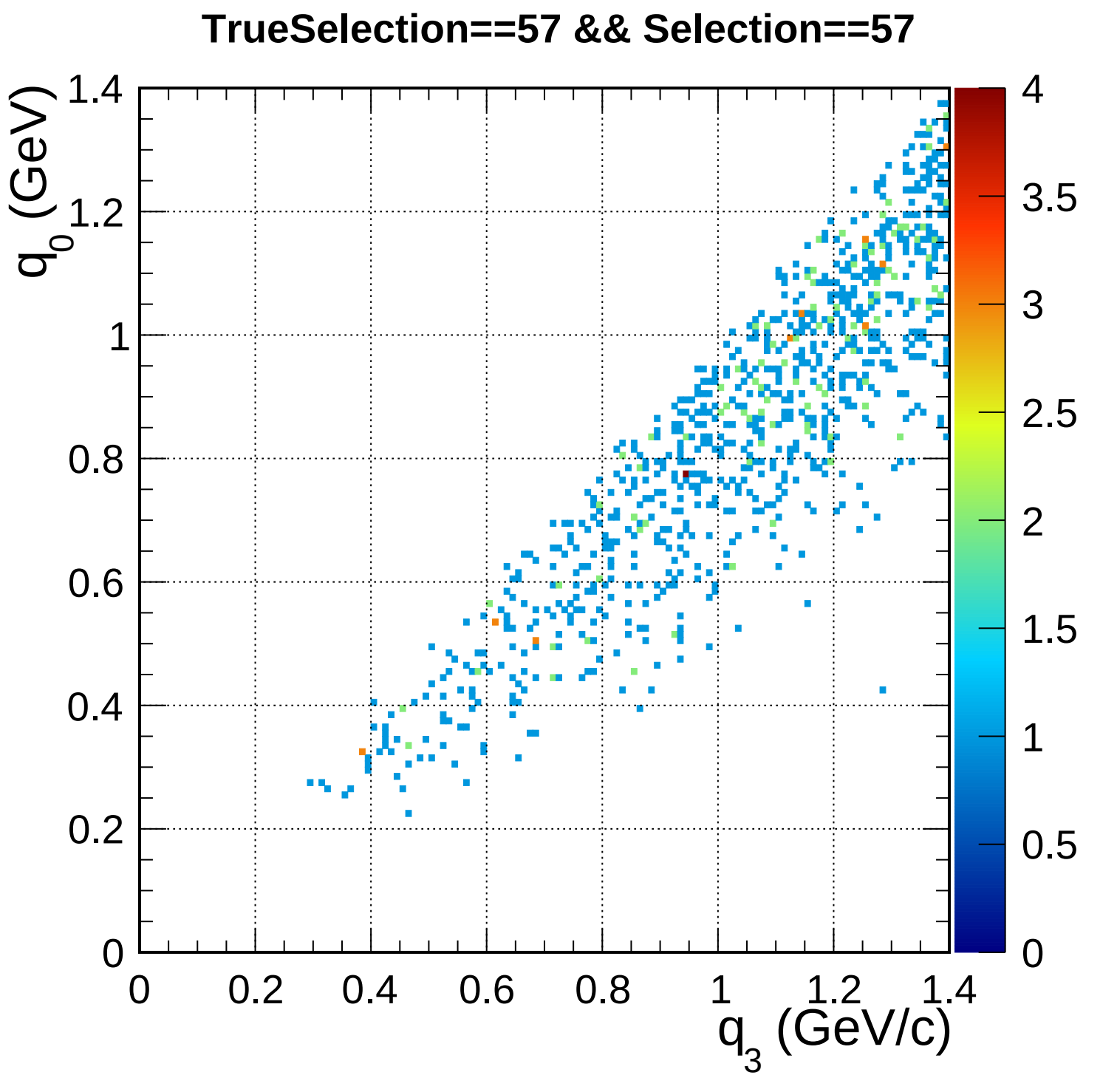

(TrueSelection==57 && Selection==51)/(TrueSelection==57)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

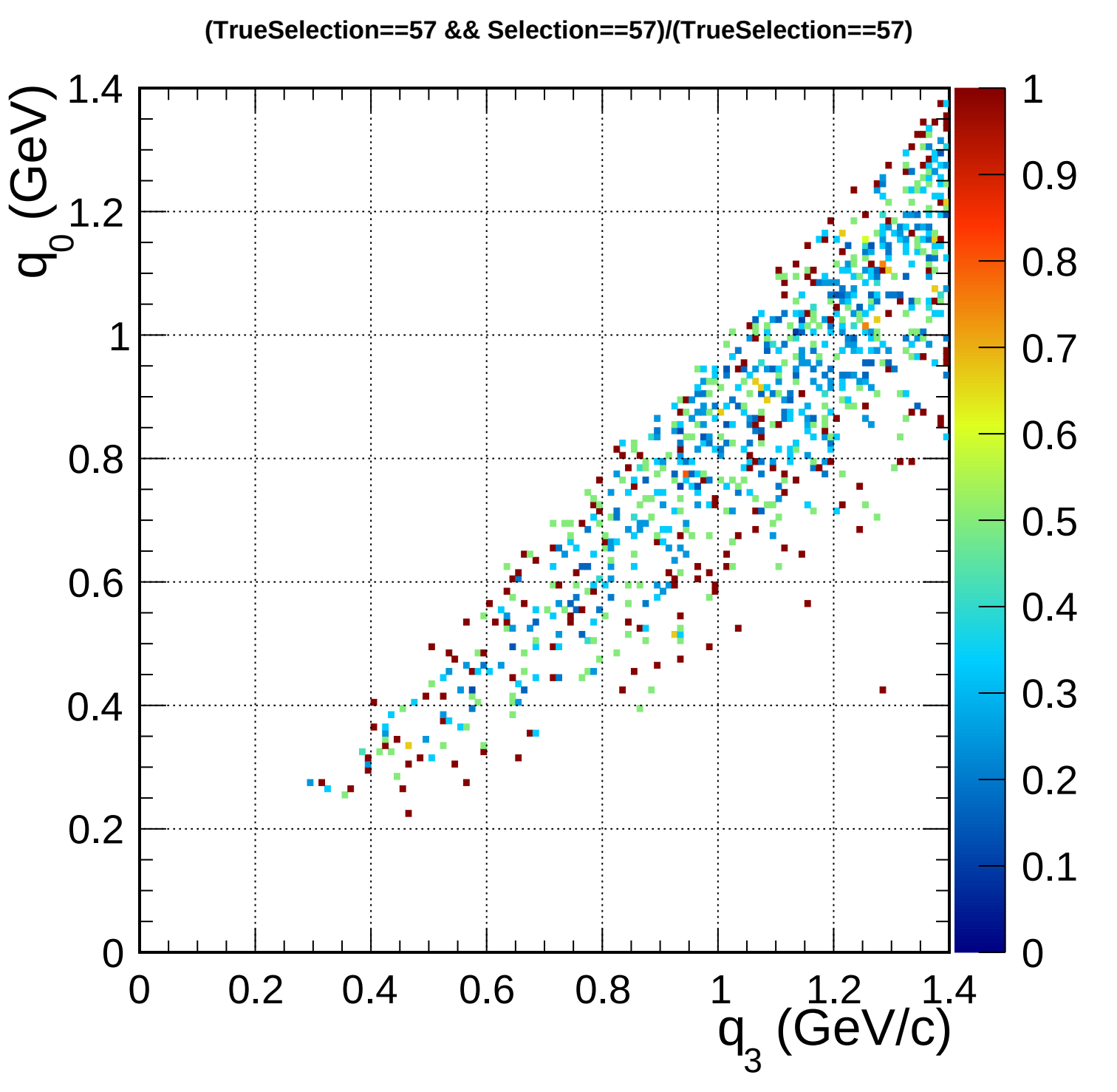

TrueSelection==57 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

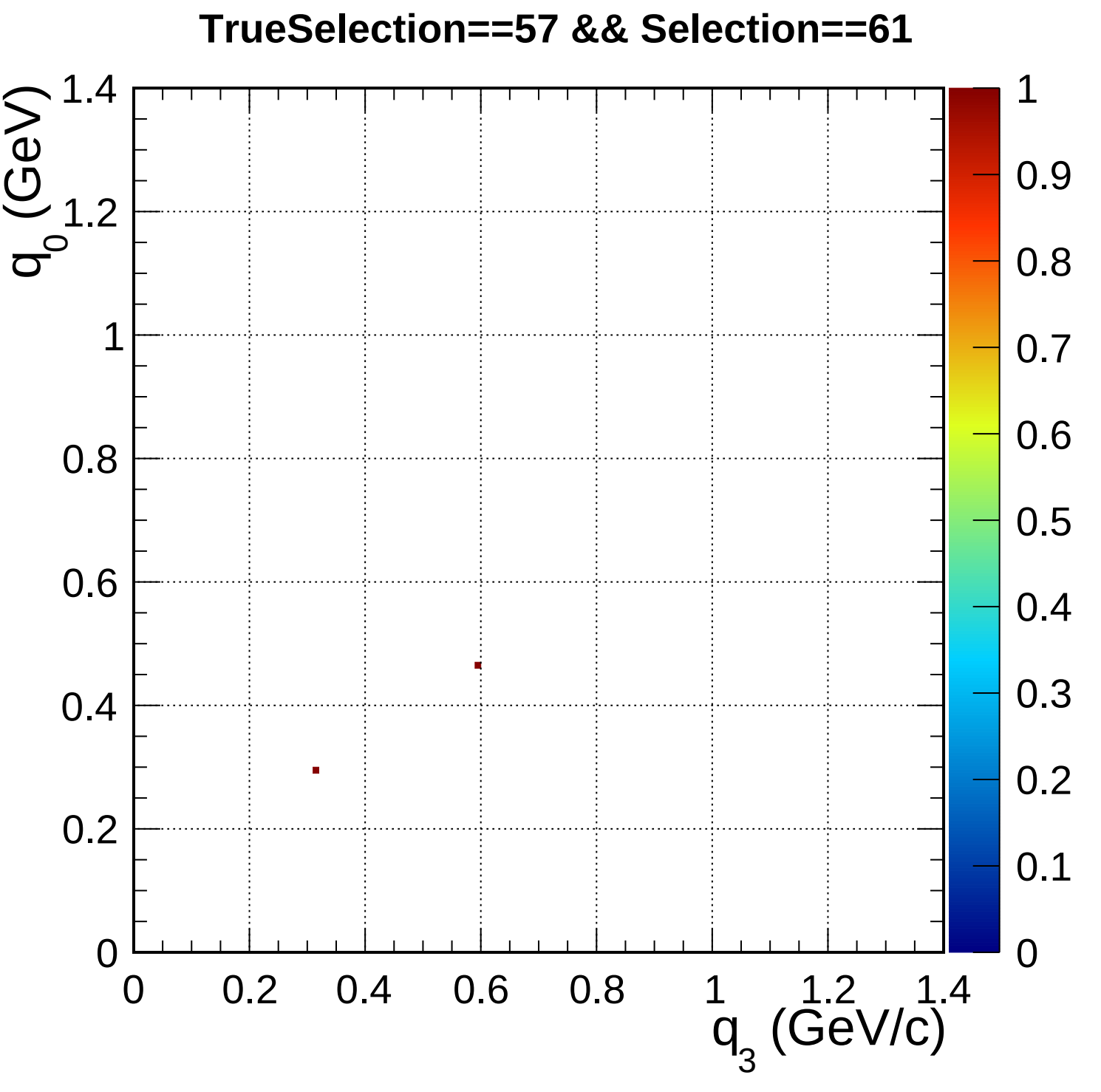

(TrueSelection==57 && Selection==55)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

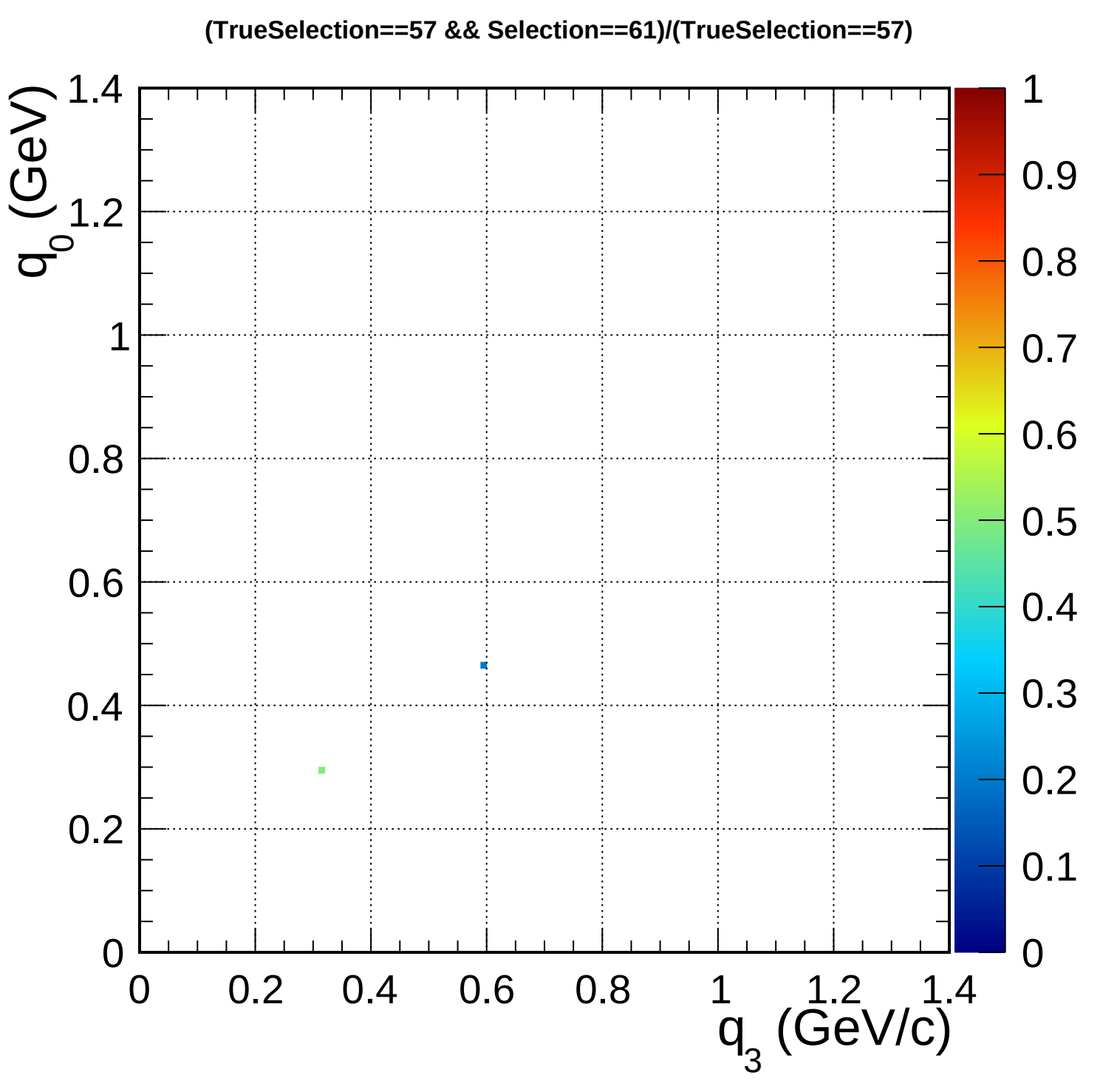

TrueSelection==57 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.5
1.5
2
2.5
3
3.5
4

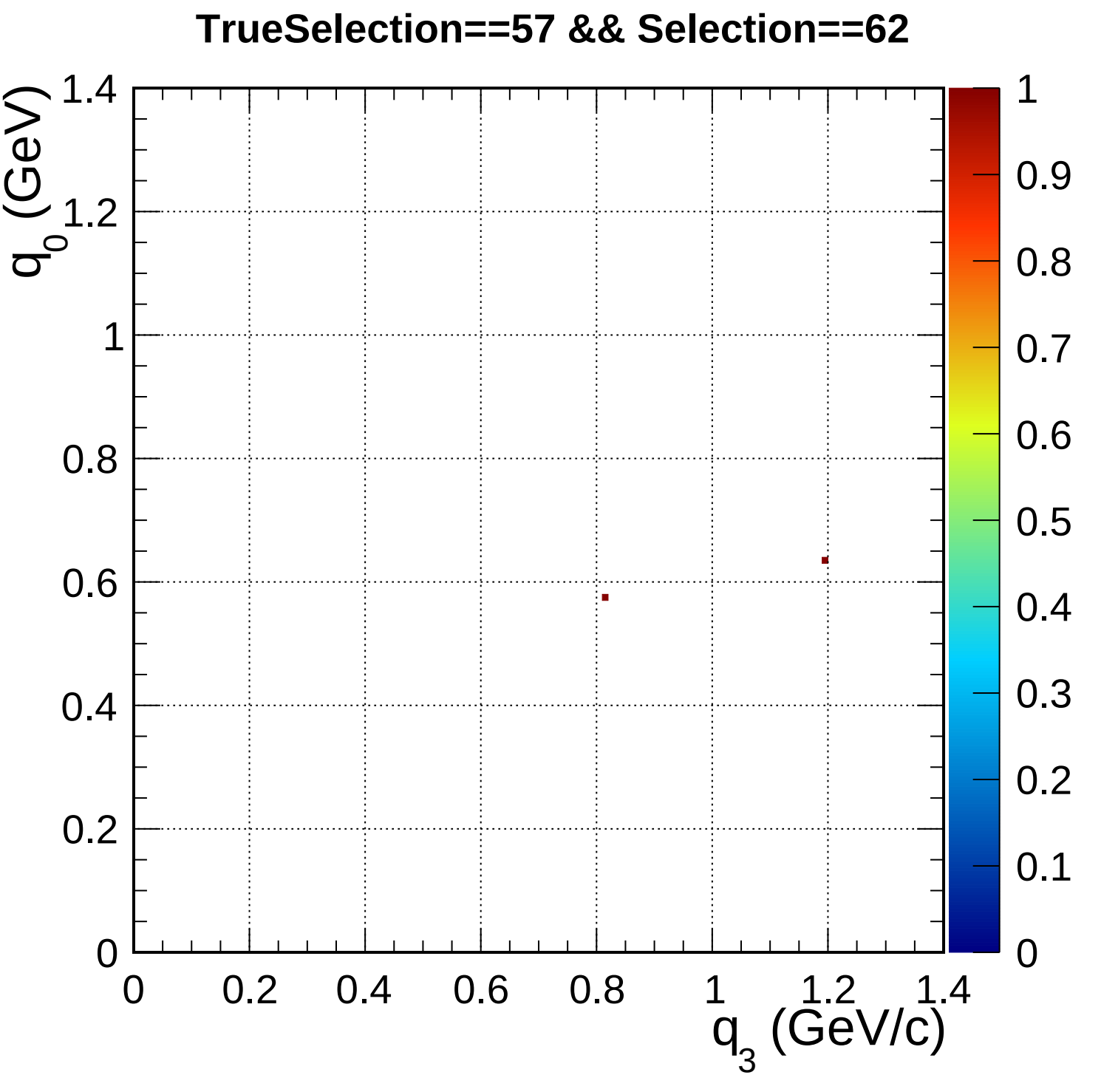

(TrueSelection==57 && Selection==56)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

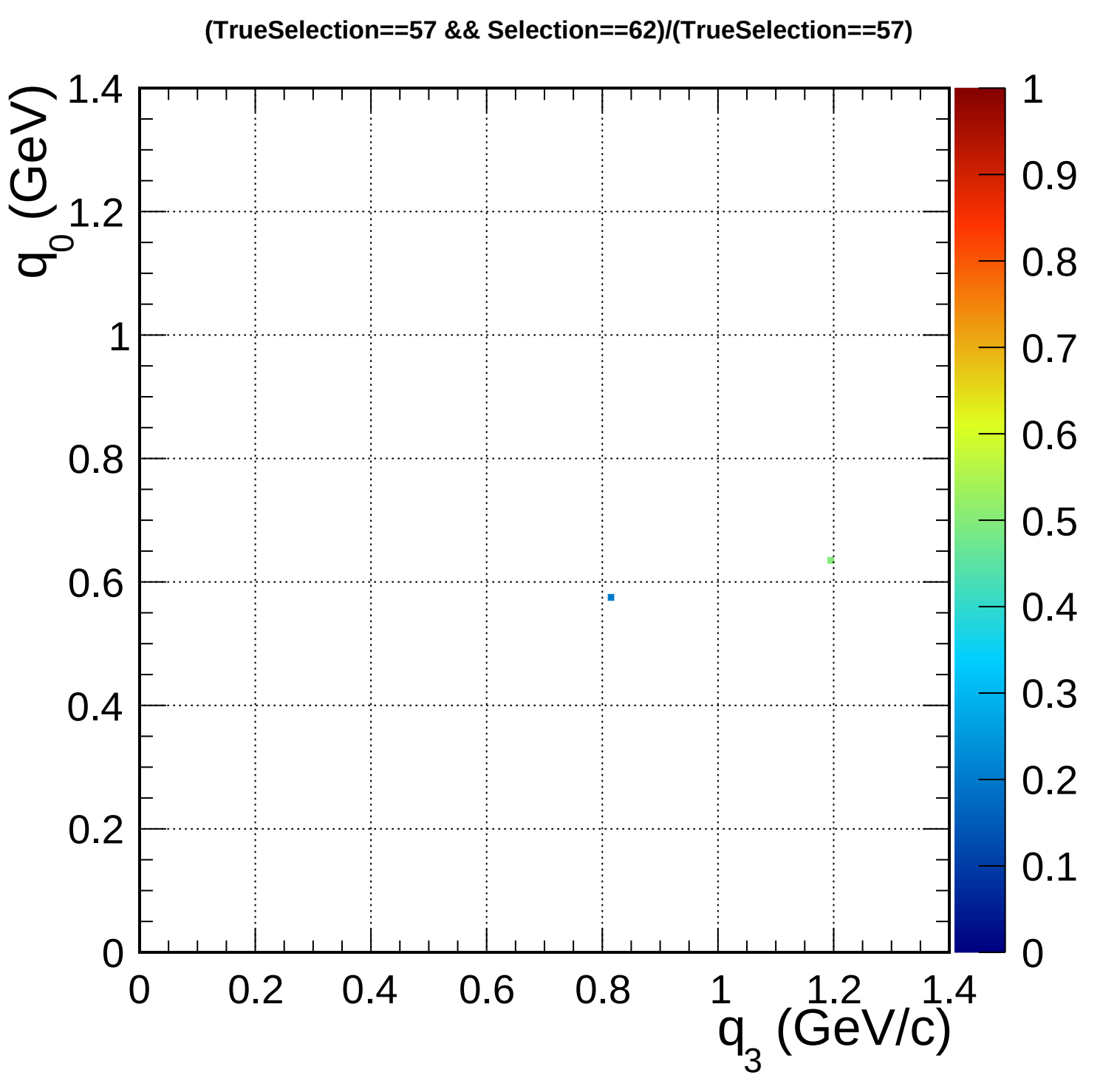

TrueSelection==57 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.5
1.5
2
2.5
3
3.5
4

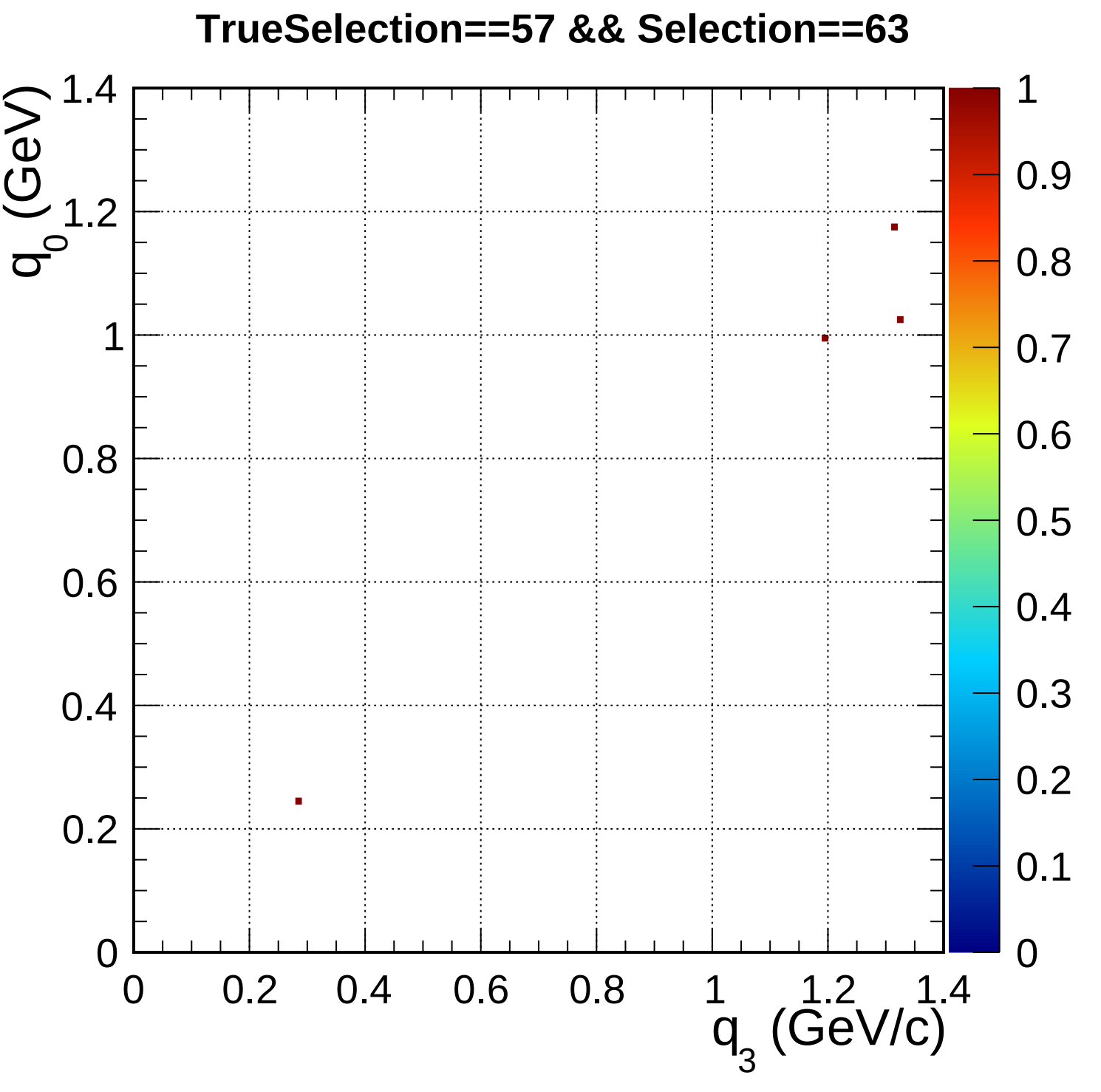

(TrueSelection==57 && Selection==57)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

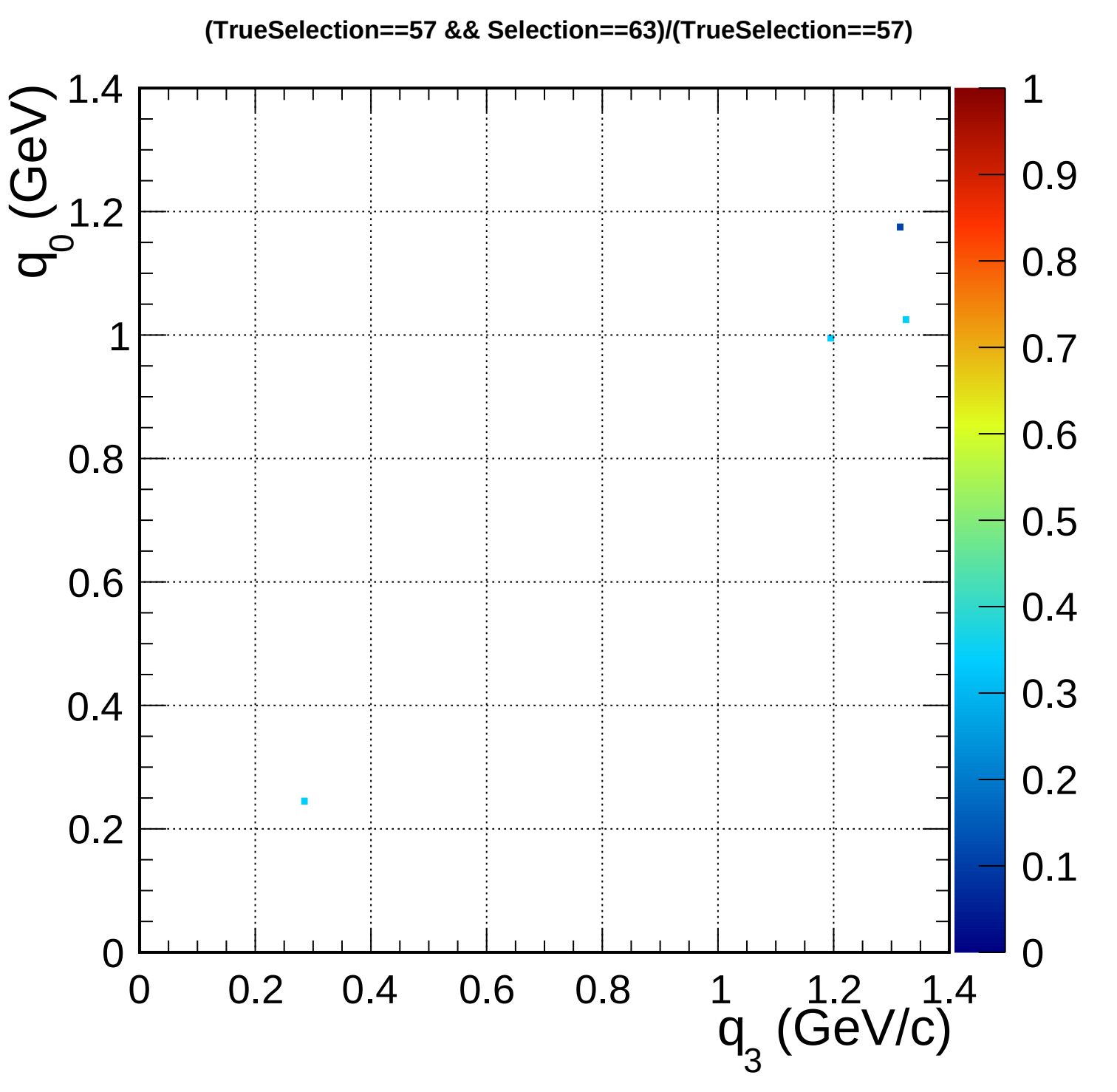

TrueSelection==57 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

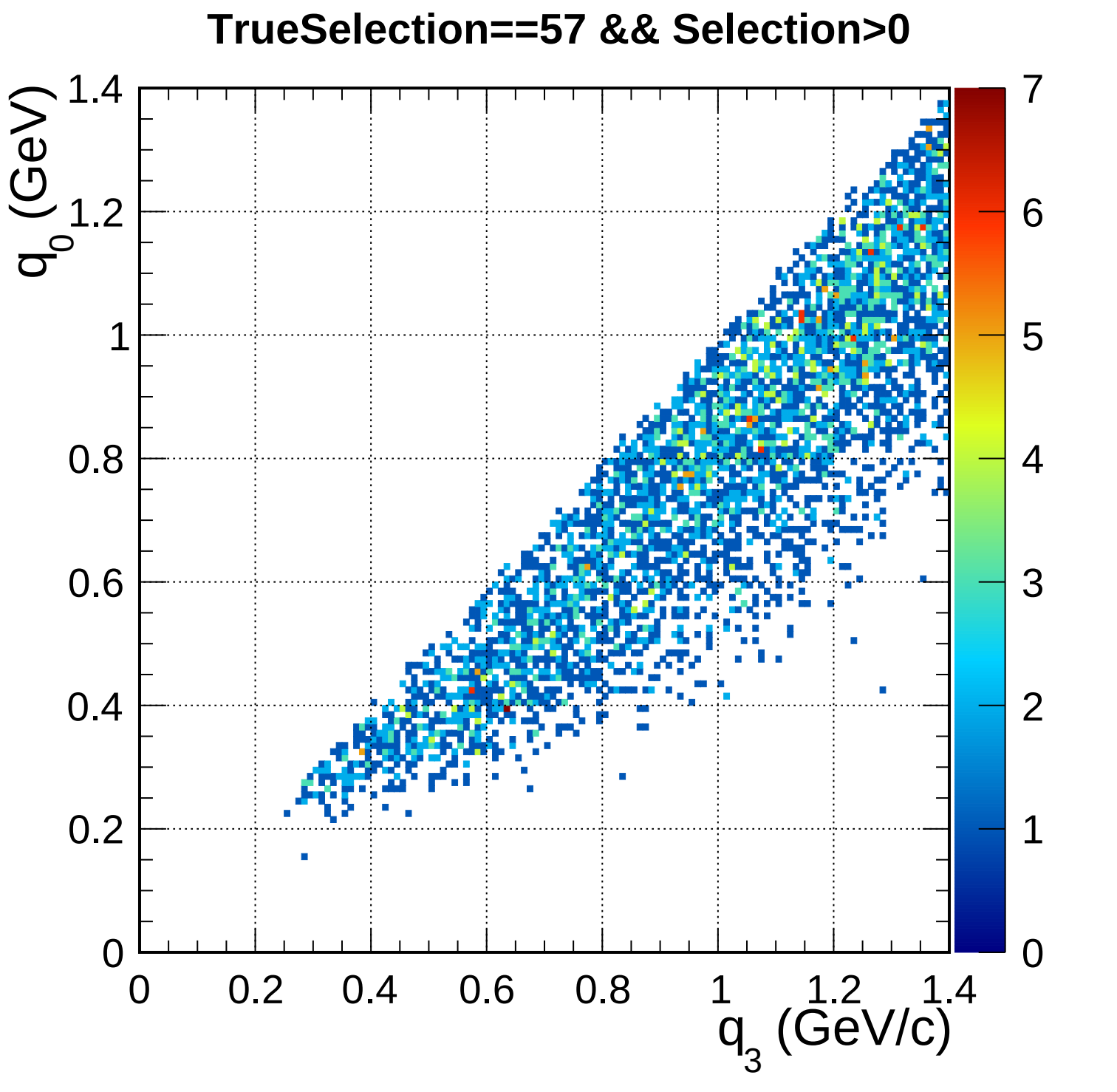

(TrueSelection==57 && Selection==61)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

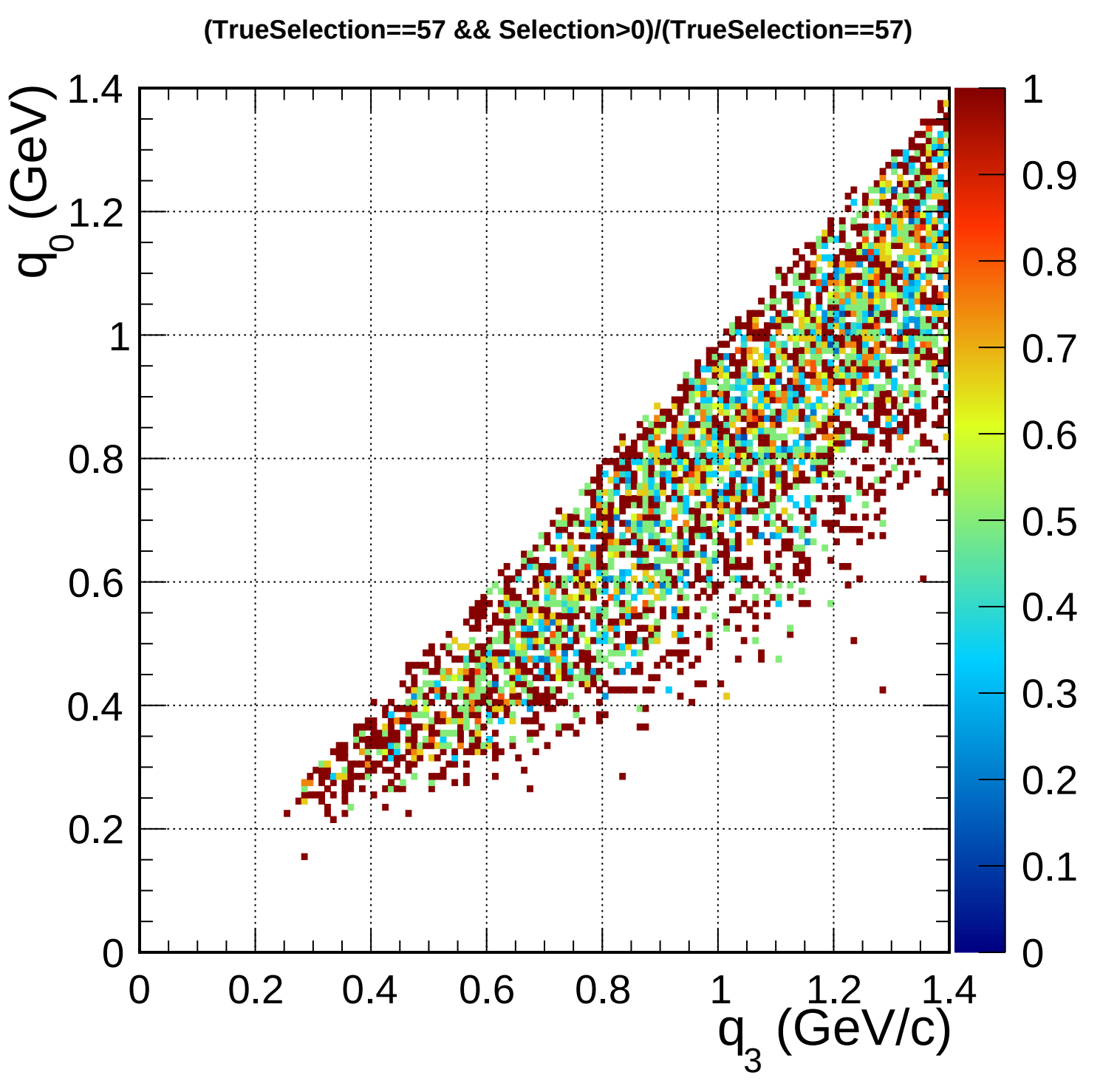

TrueSelection==57 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

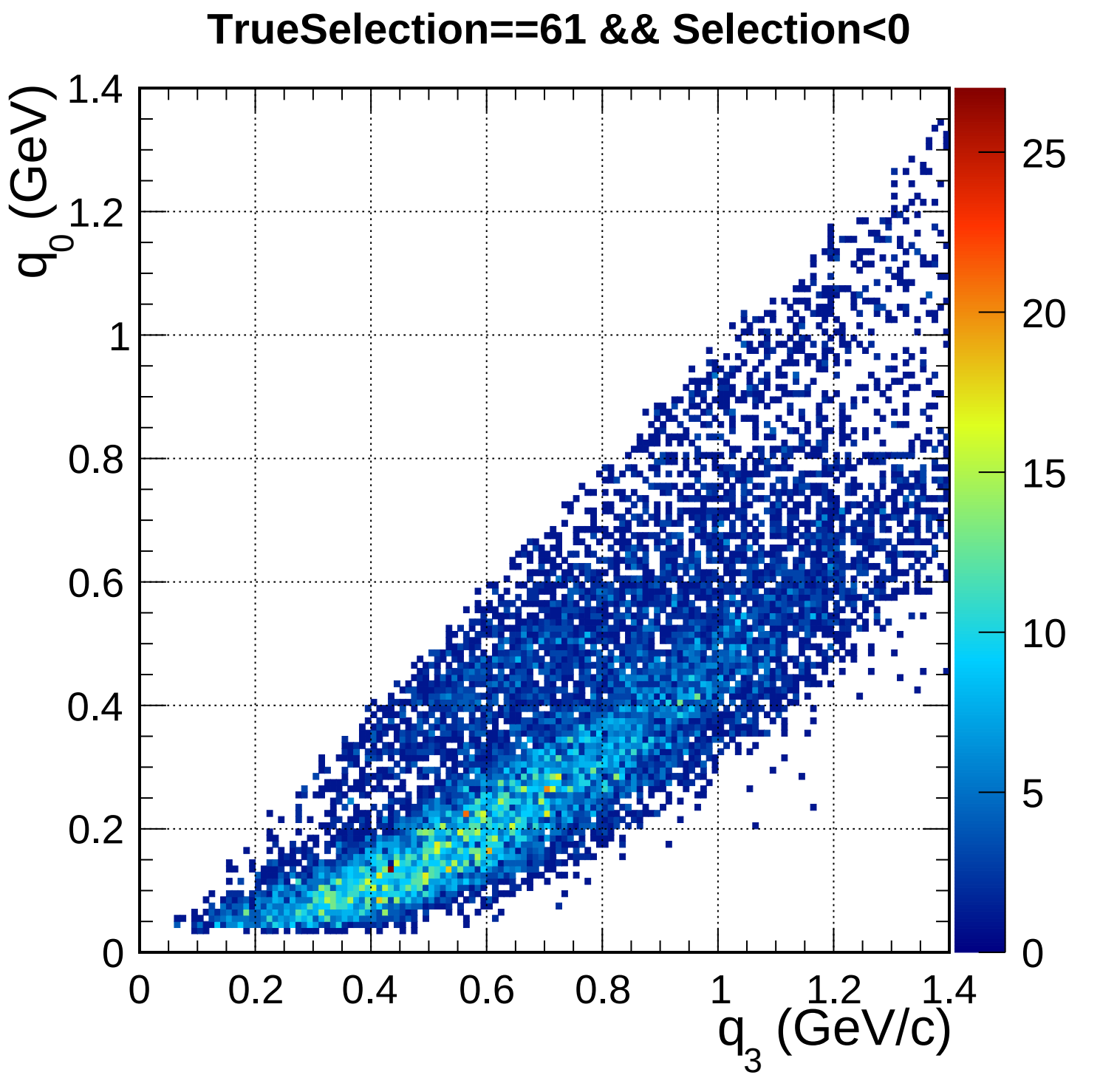

(TrueSelection==57 && Selection==62)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

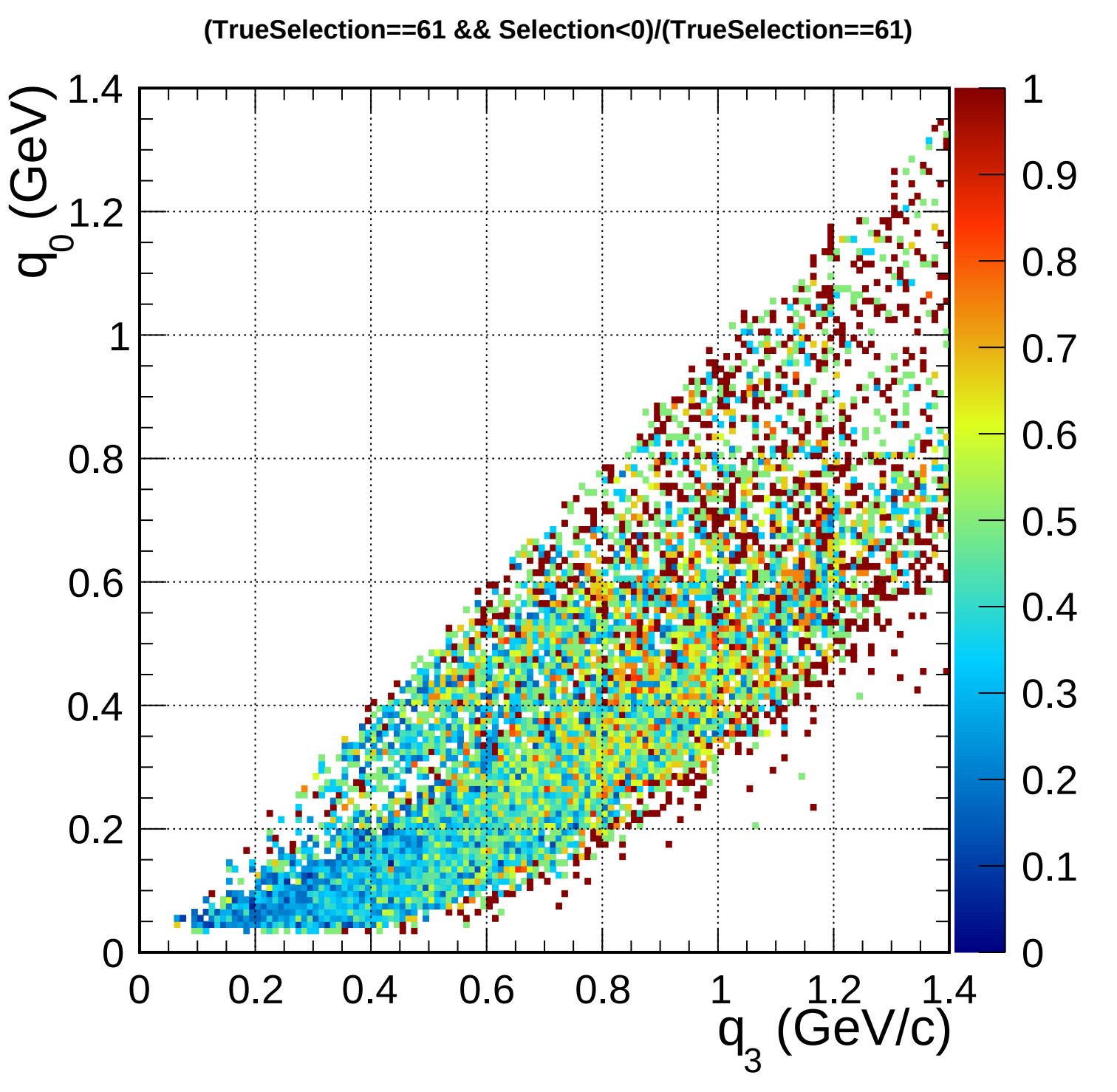

TrueSelection==57 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

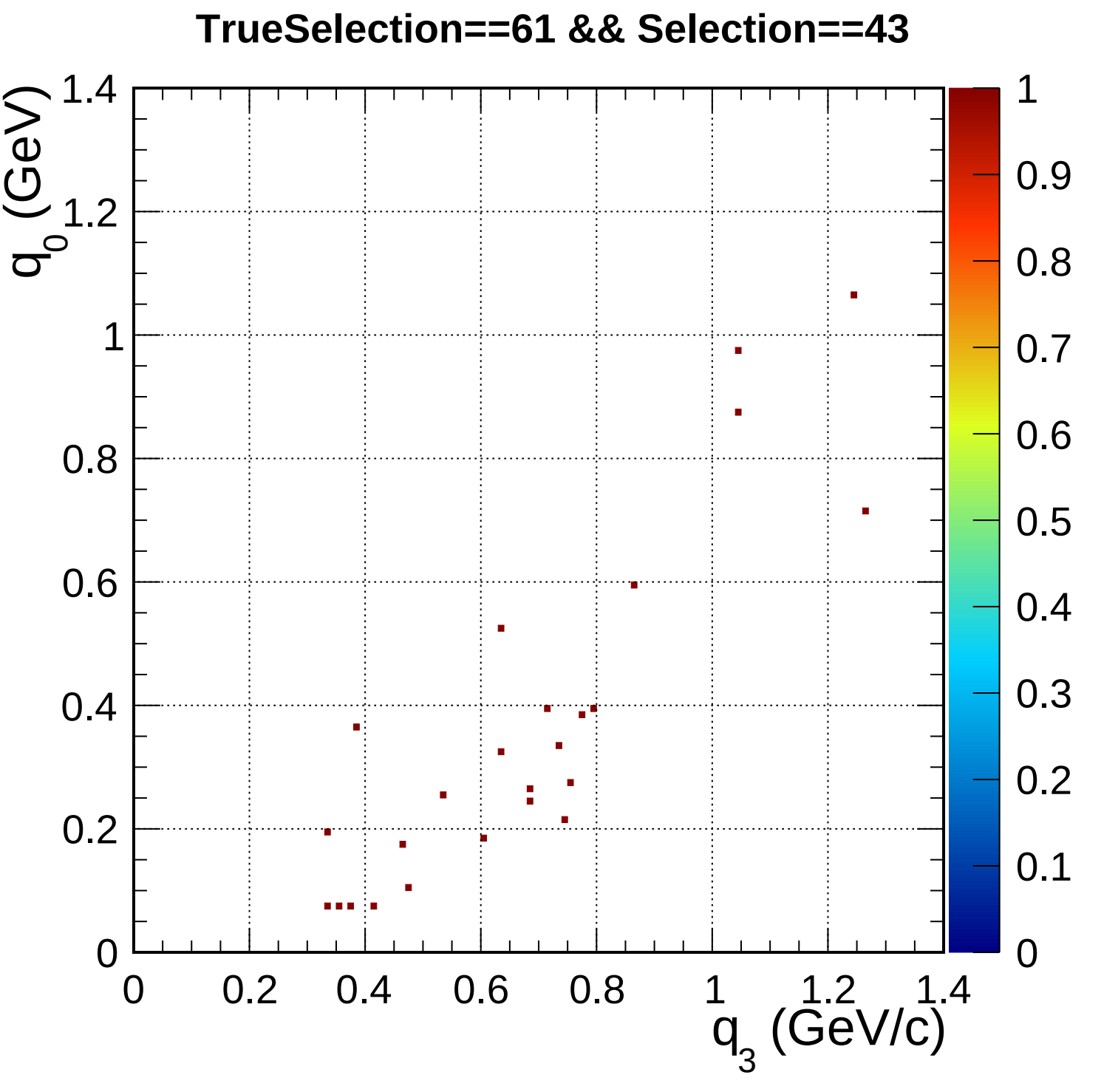

(TrueSelection==57 && Selection==63)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

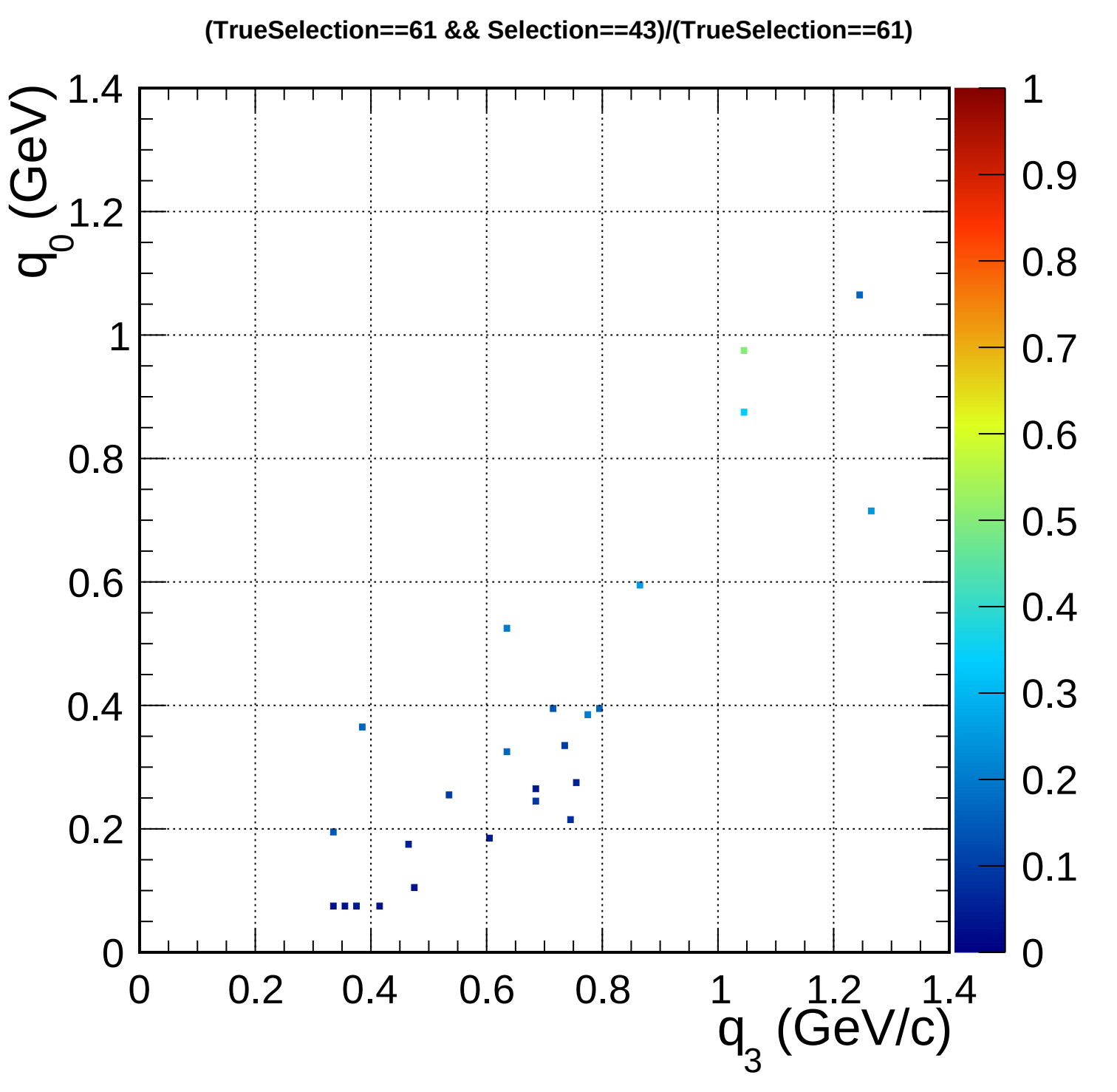

TrueSelection==57 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

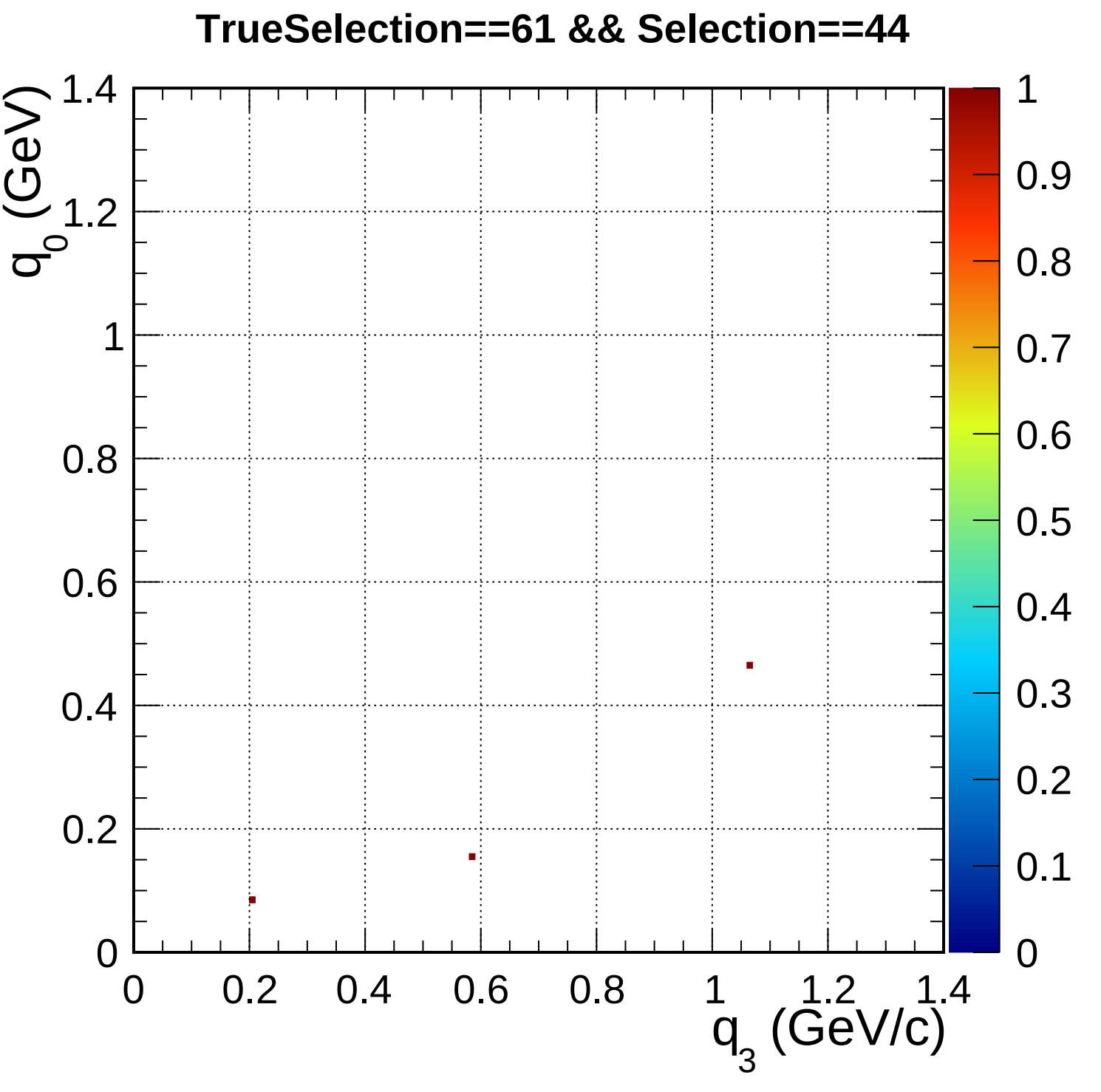

(TrueSelection==57 && Selection>0)/(TrueSelection==57)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

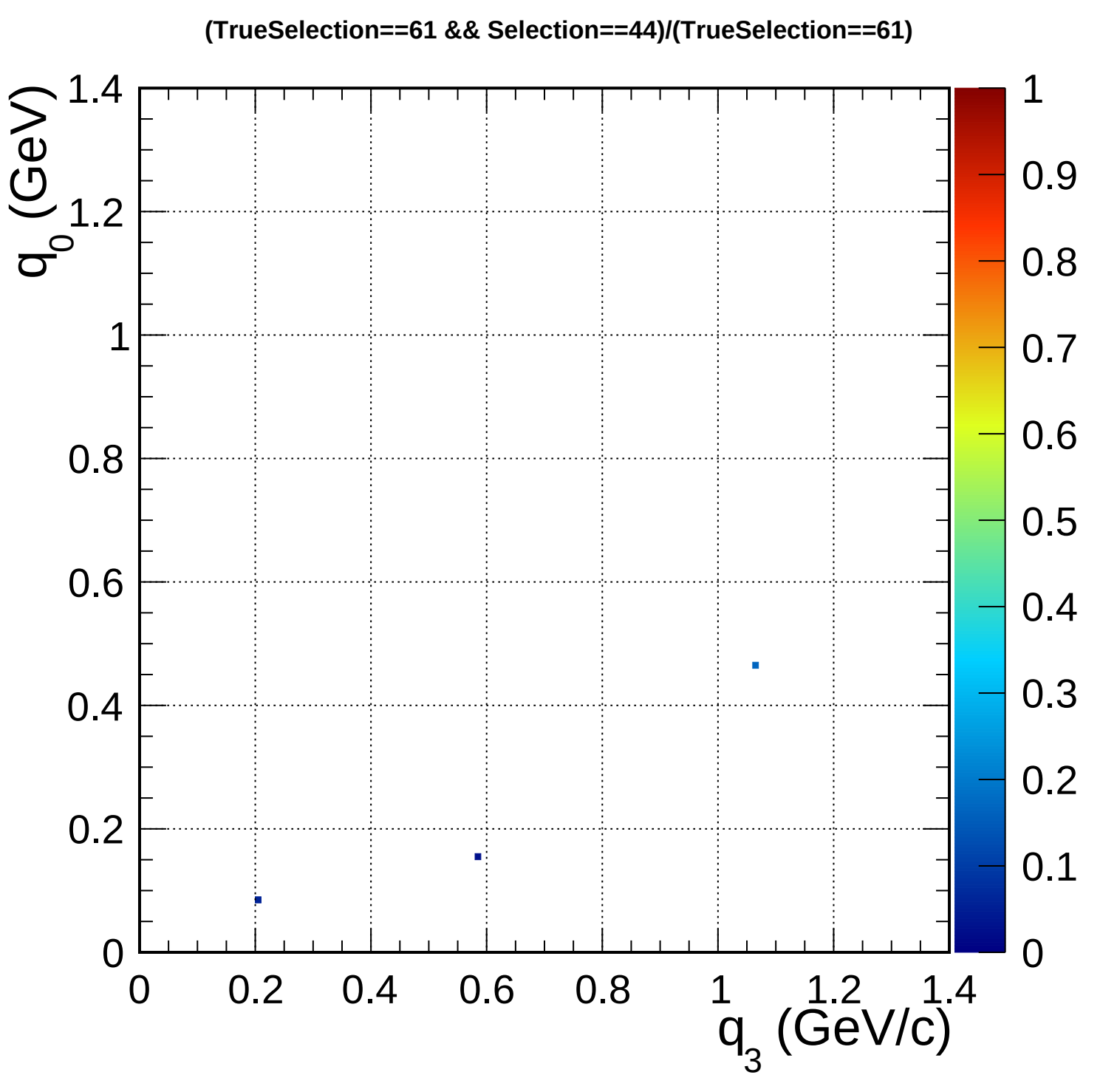

TrueSelection==61 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25

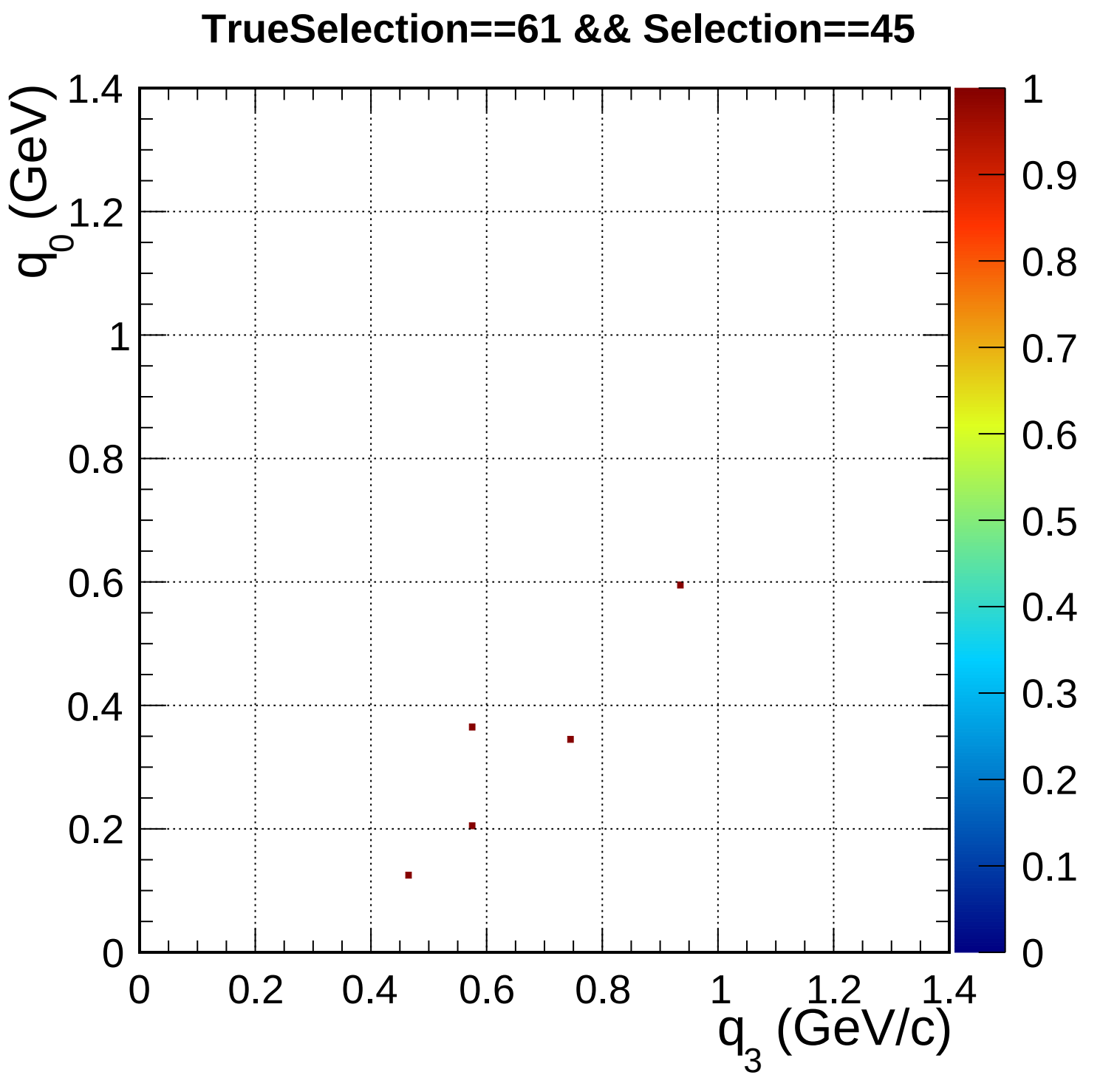

(TrueSelection==61 && Selection<0)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

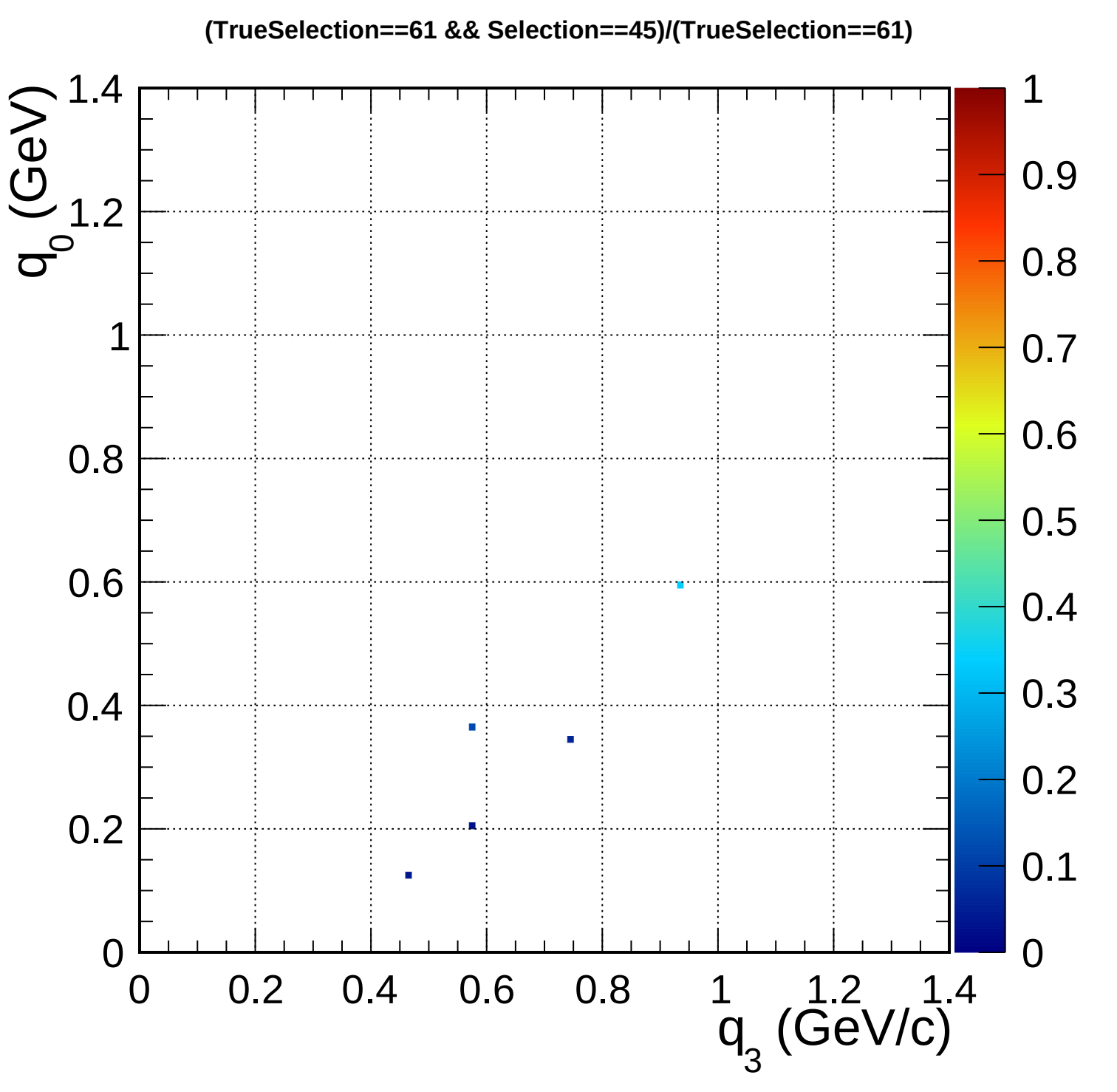

TrueSelection==61 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

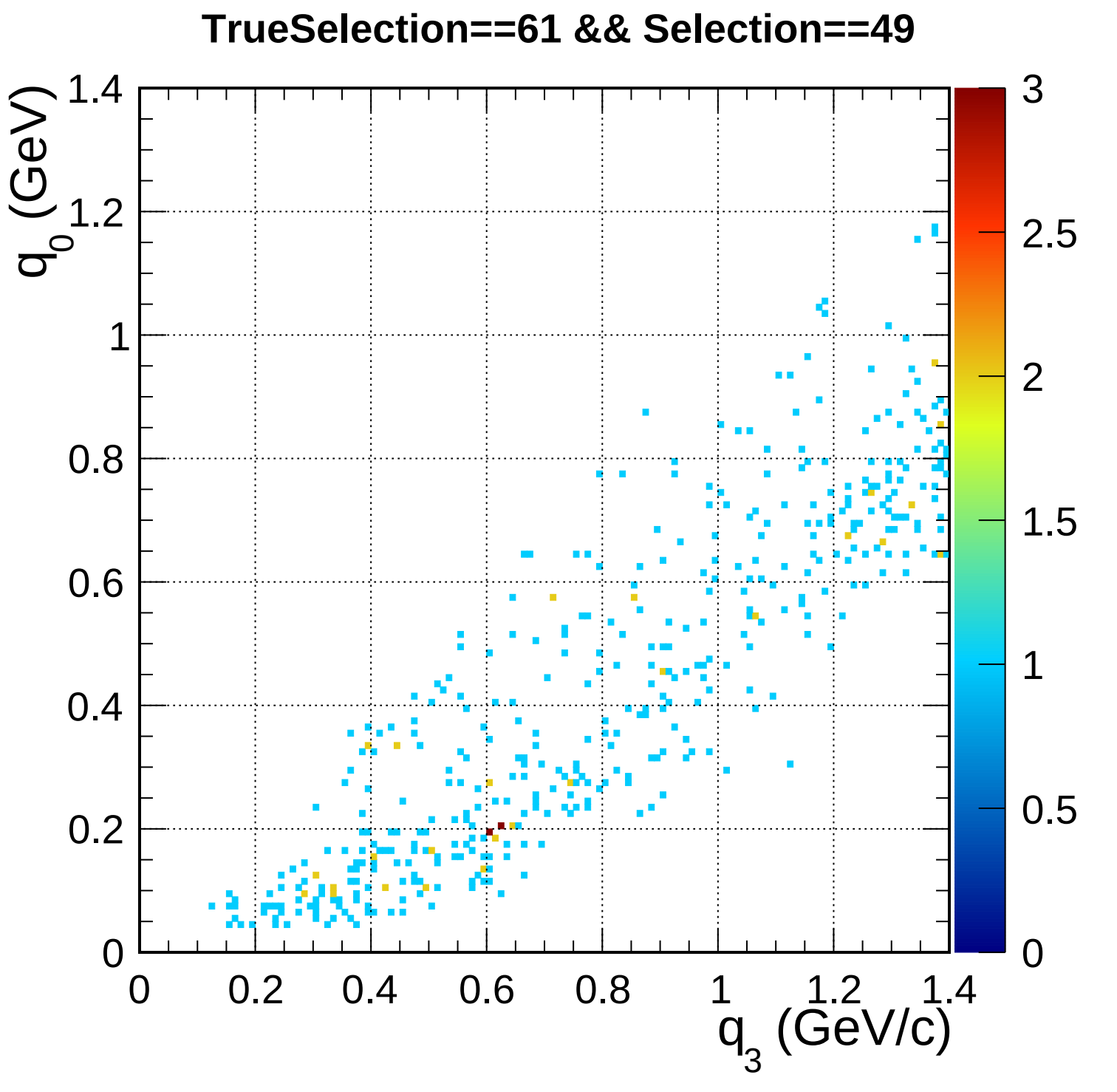

(TrueSelection==61 && Selection==43)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

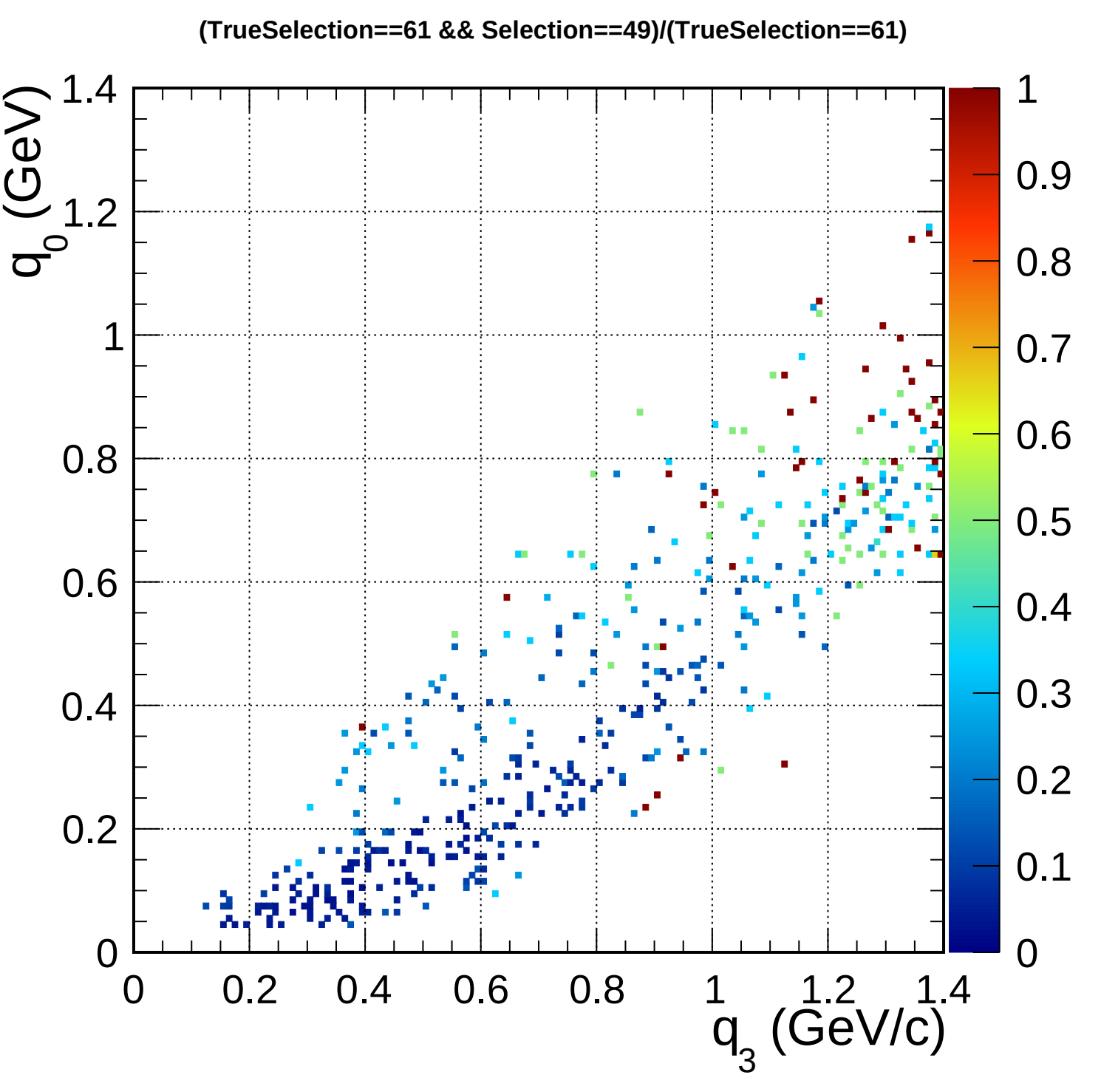

TrueSelection==61 && Selection==44
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

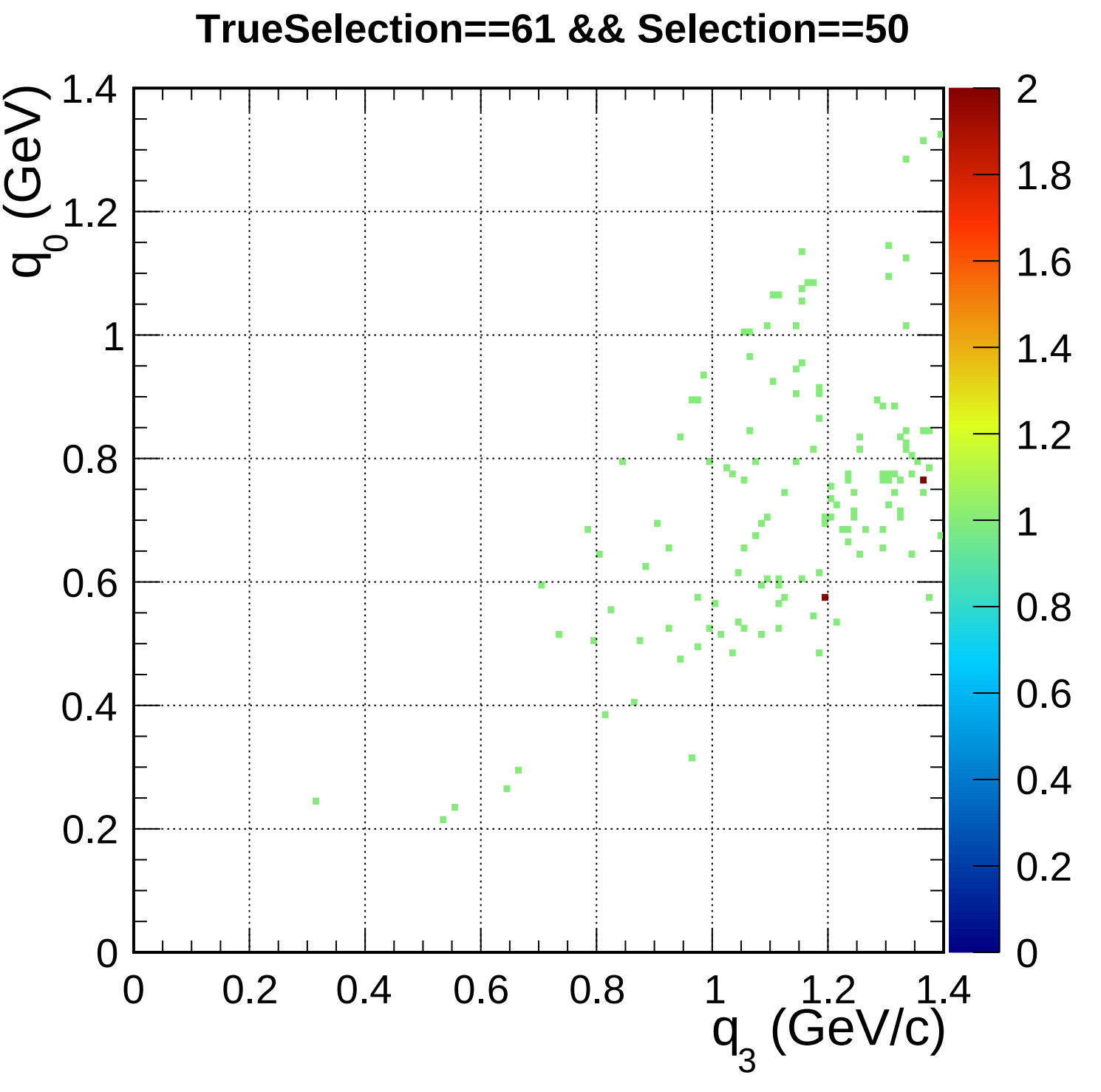

(TrueSelection==61 && Selection==44)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

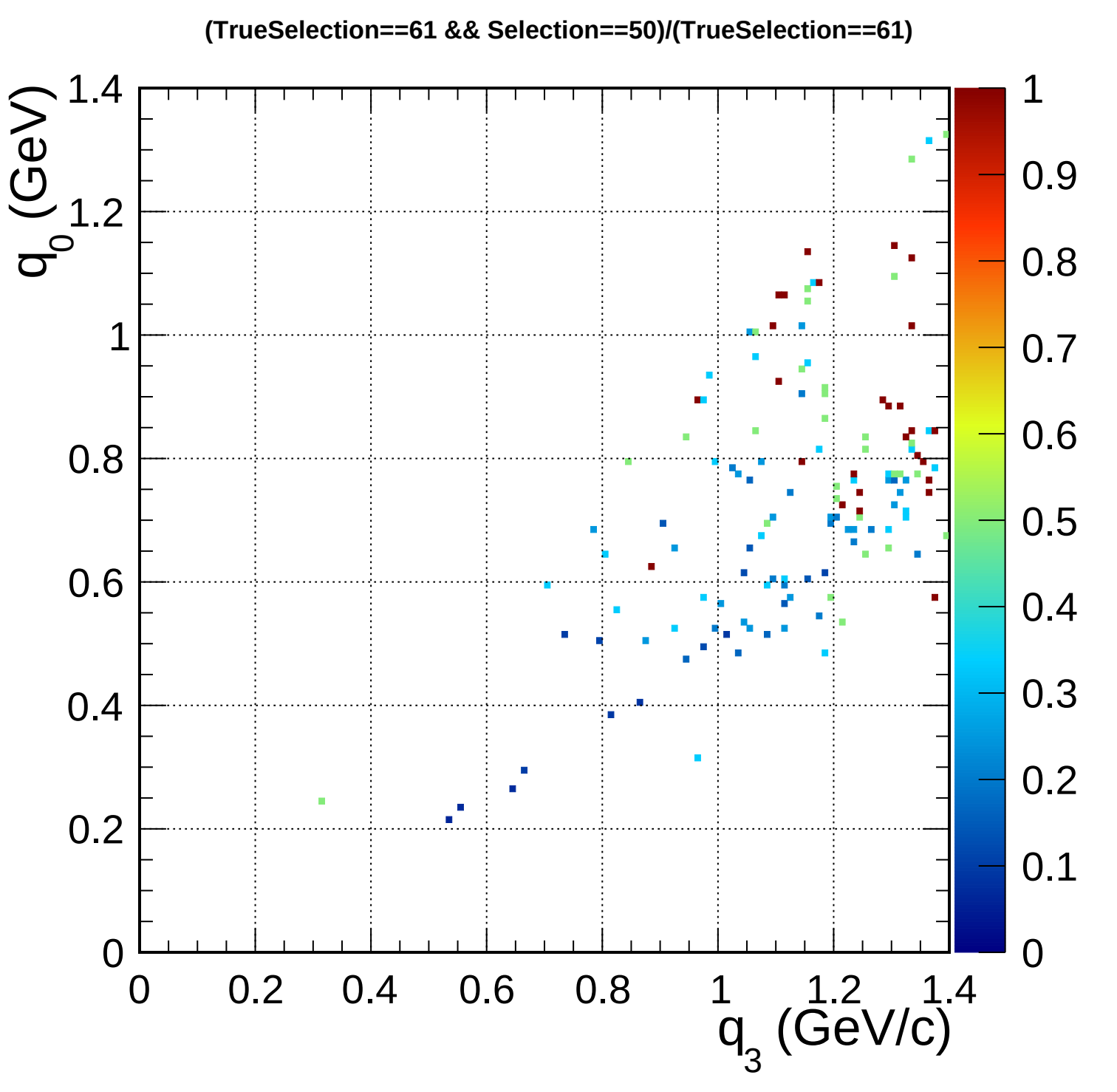

TrueSelection==61 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

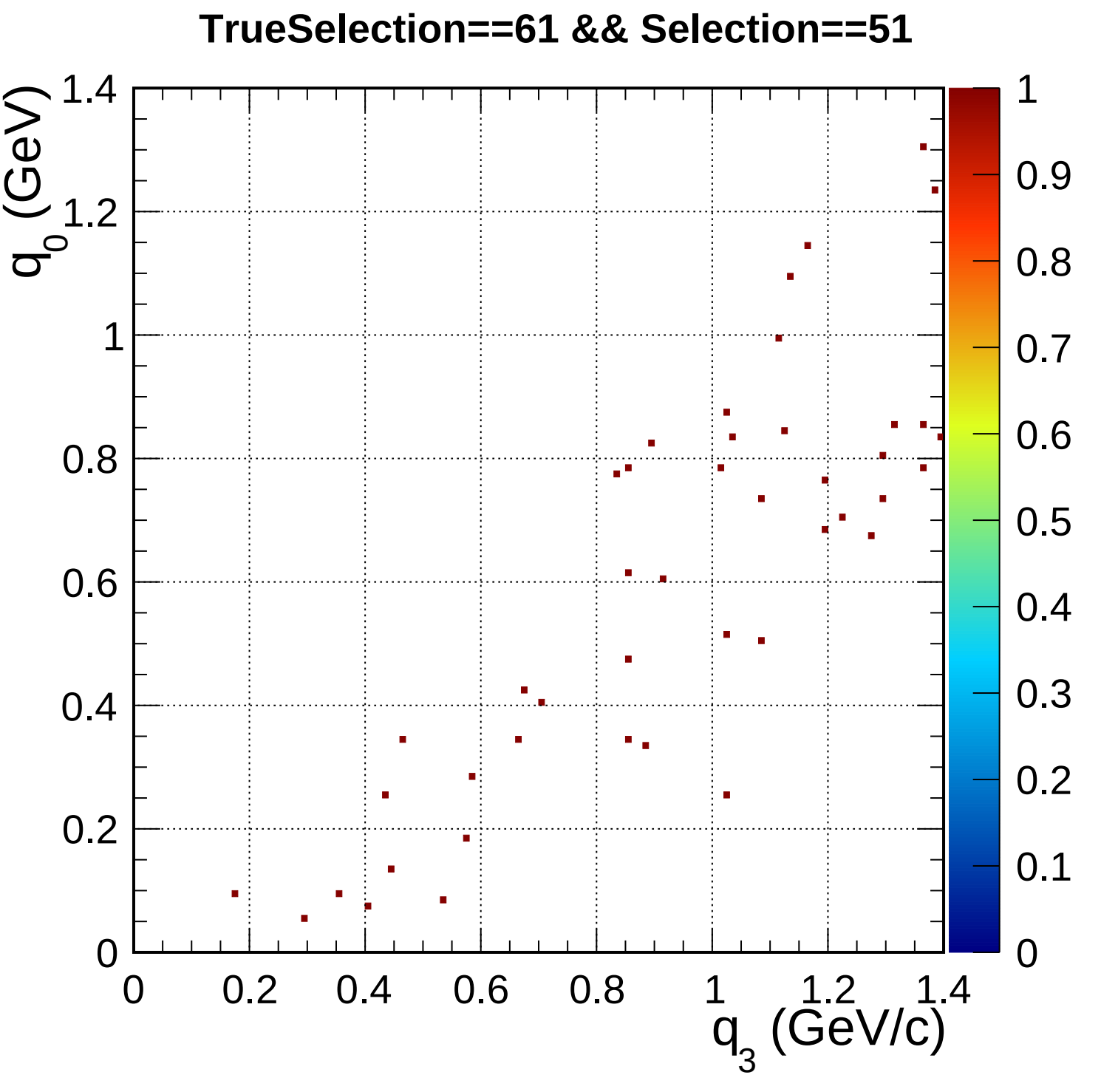

(TrueSelection==61 && Selection==45)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

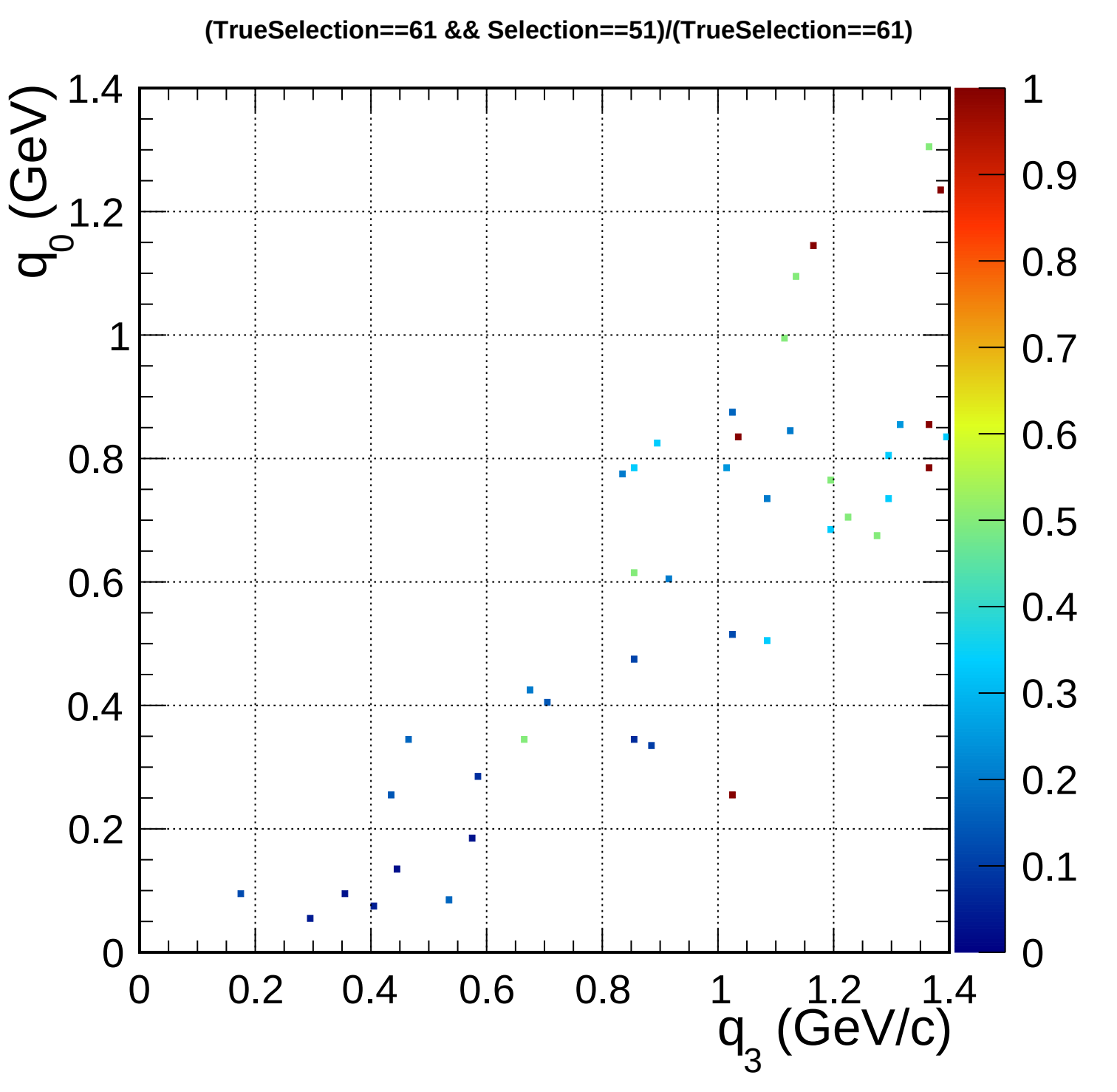

TrueSelection==61 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

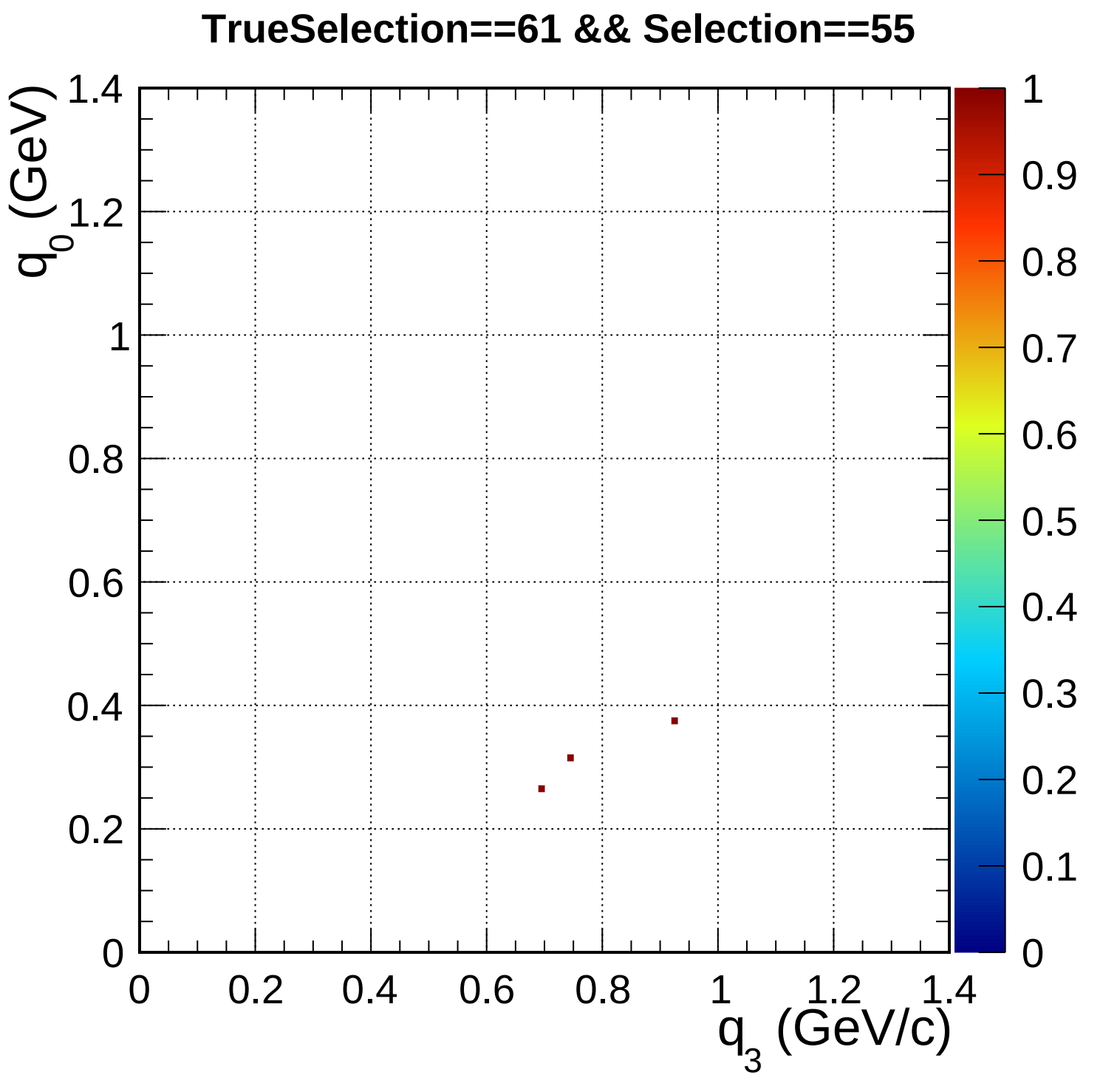

(TrueSelection==61 && Selection==49)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

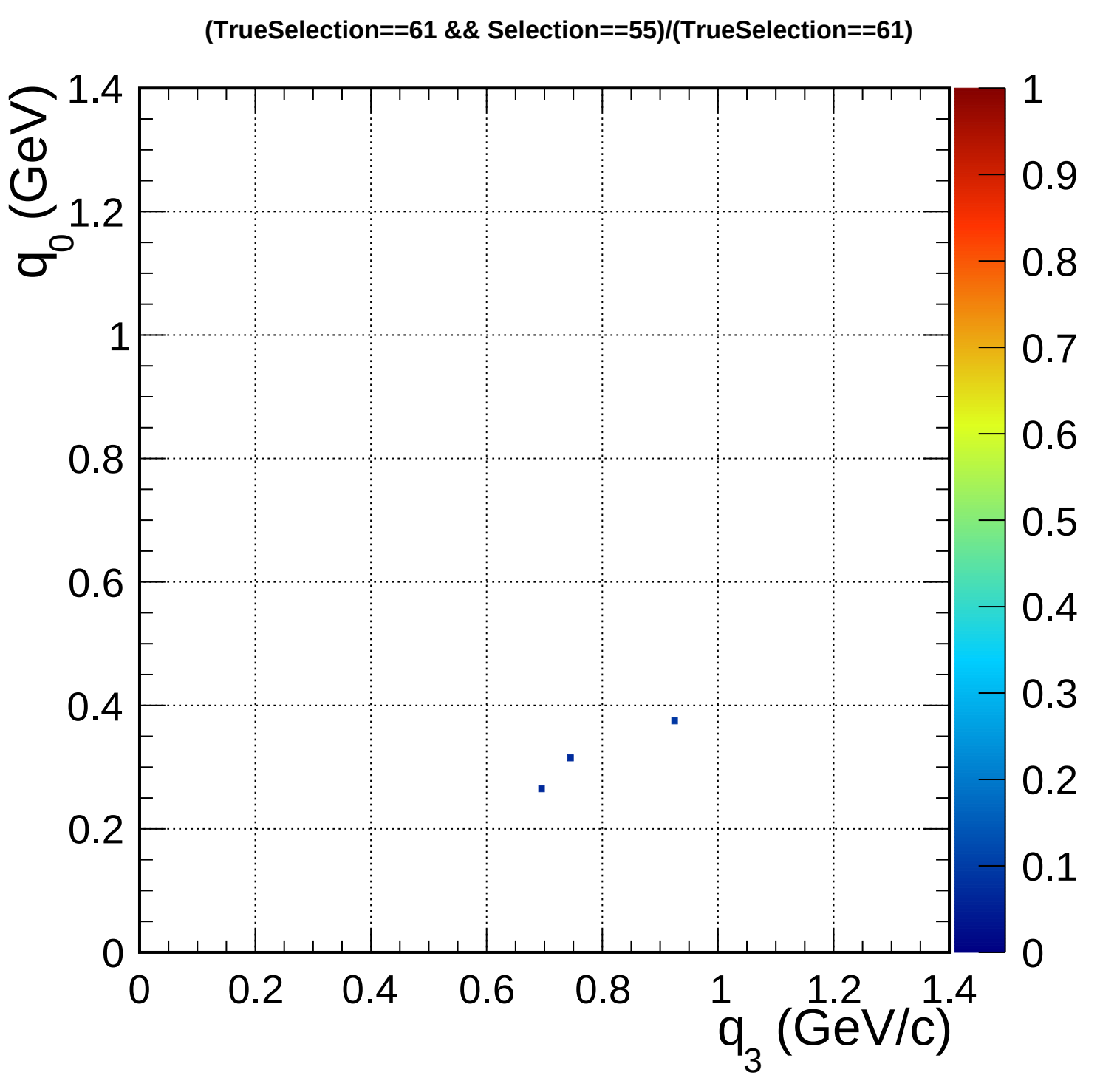

TrueSelection==61 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

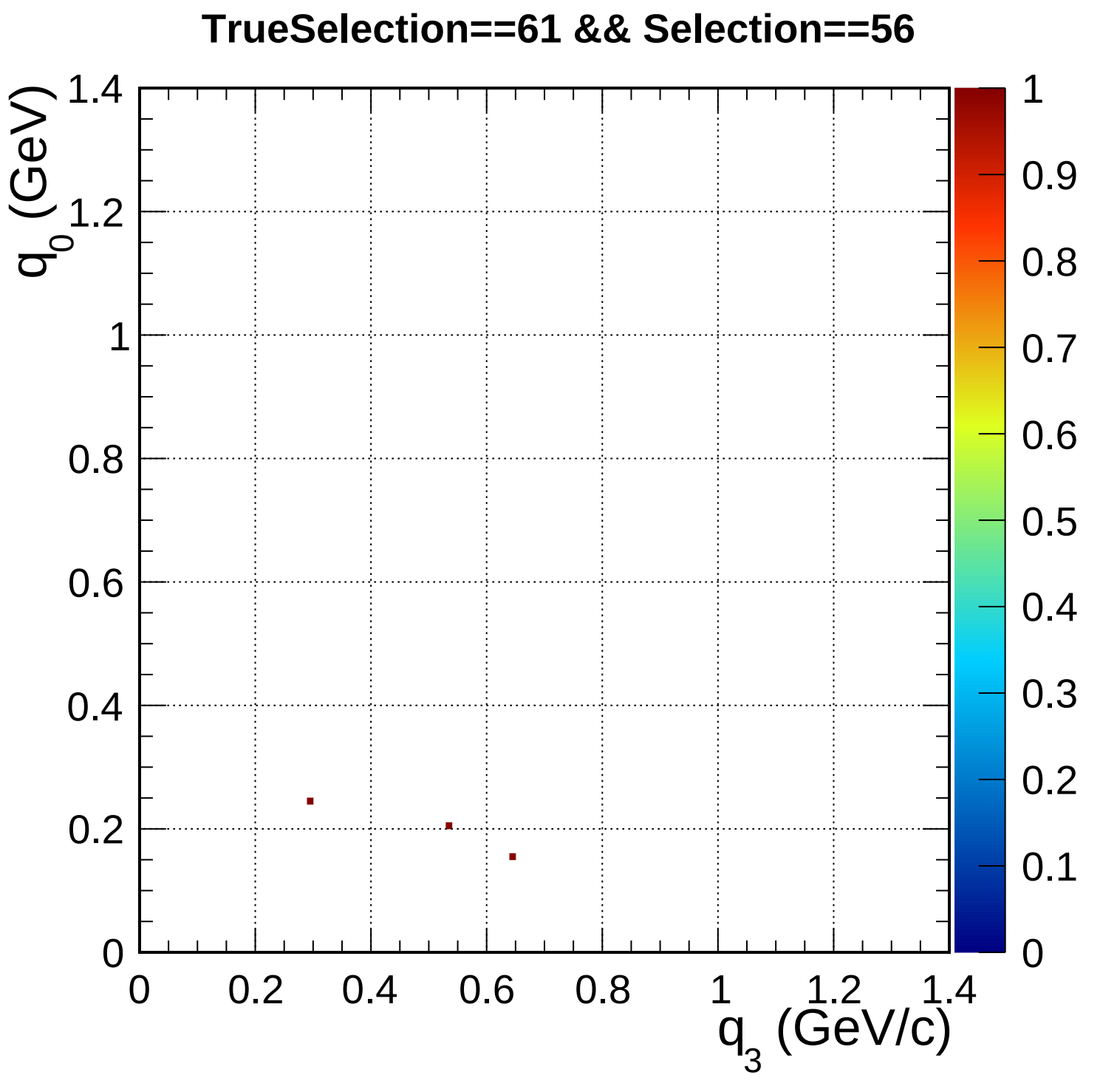

(TrueSelection==61 && Selection==50)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

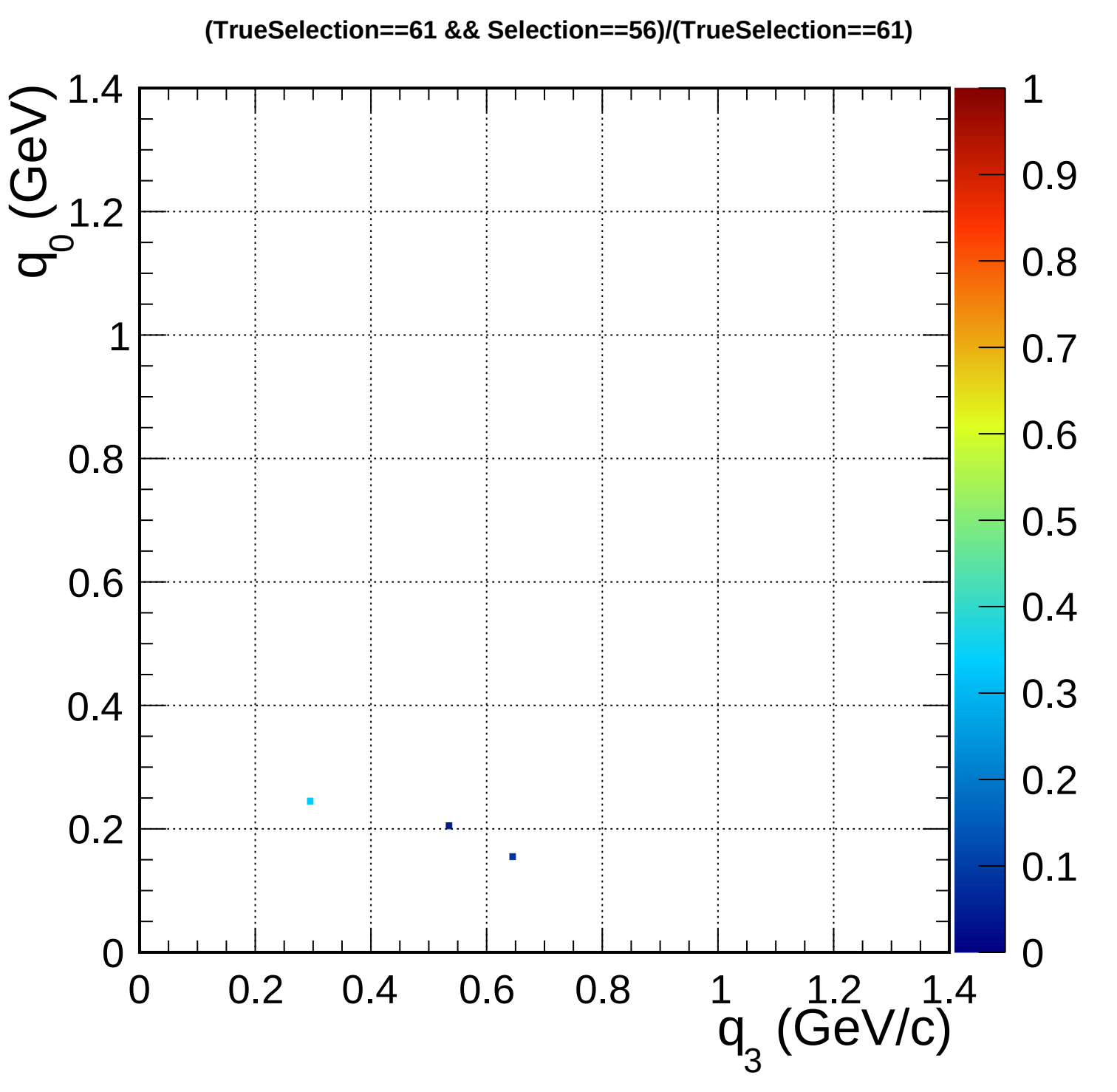

TrueSelection==61 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

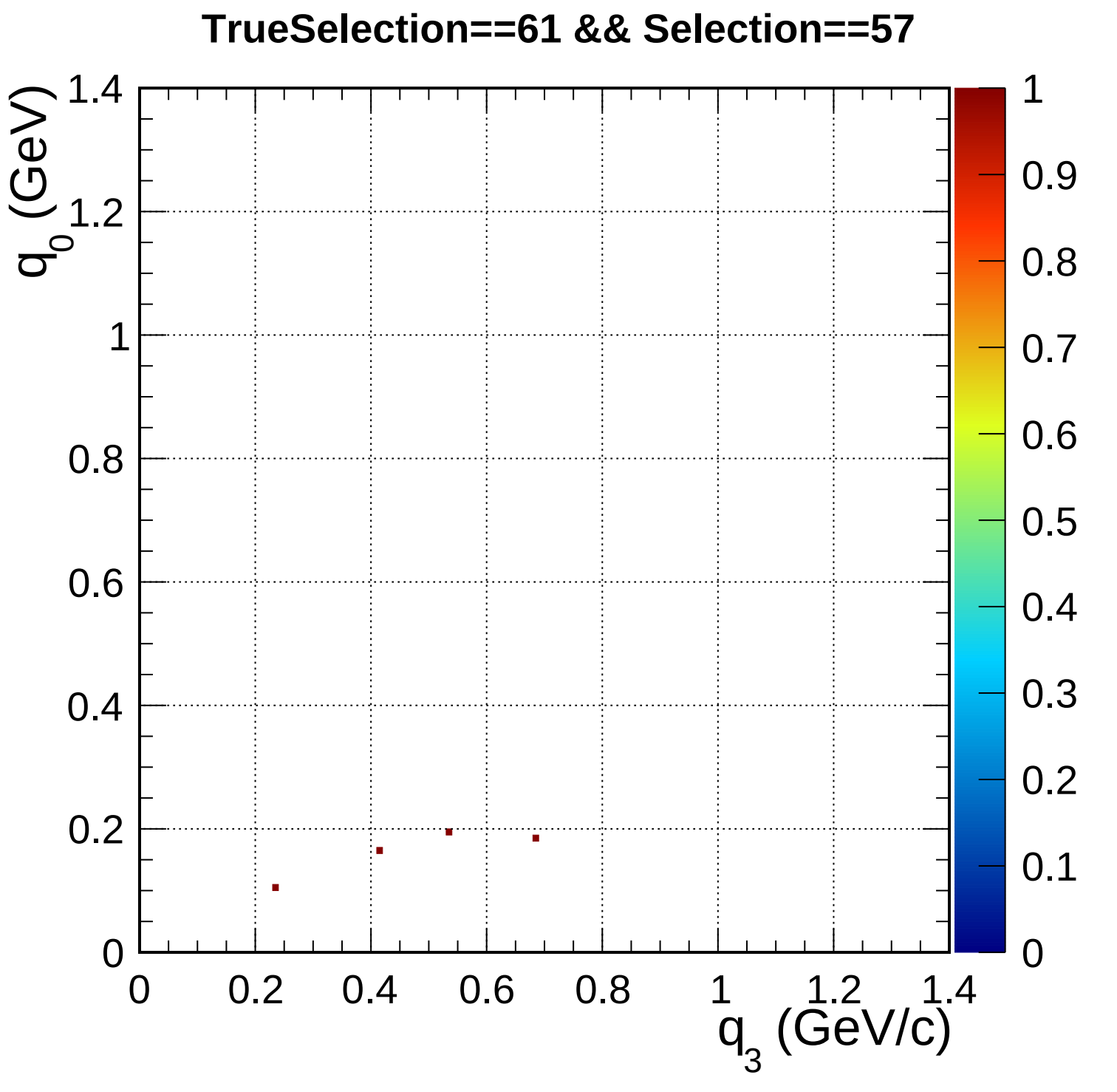

(TrueSelection==61 && Selection==51)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

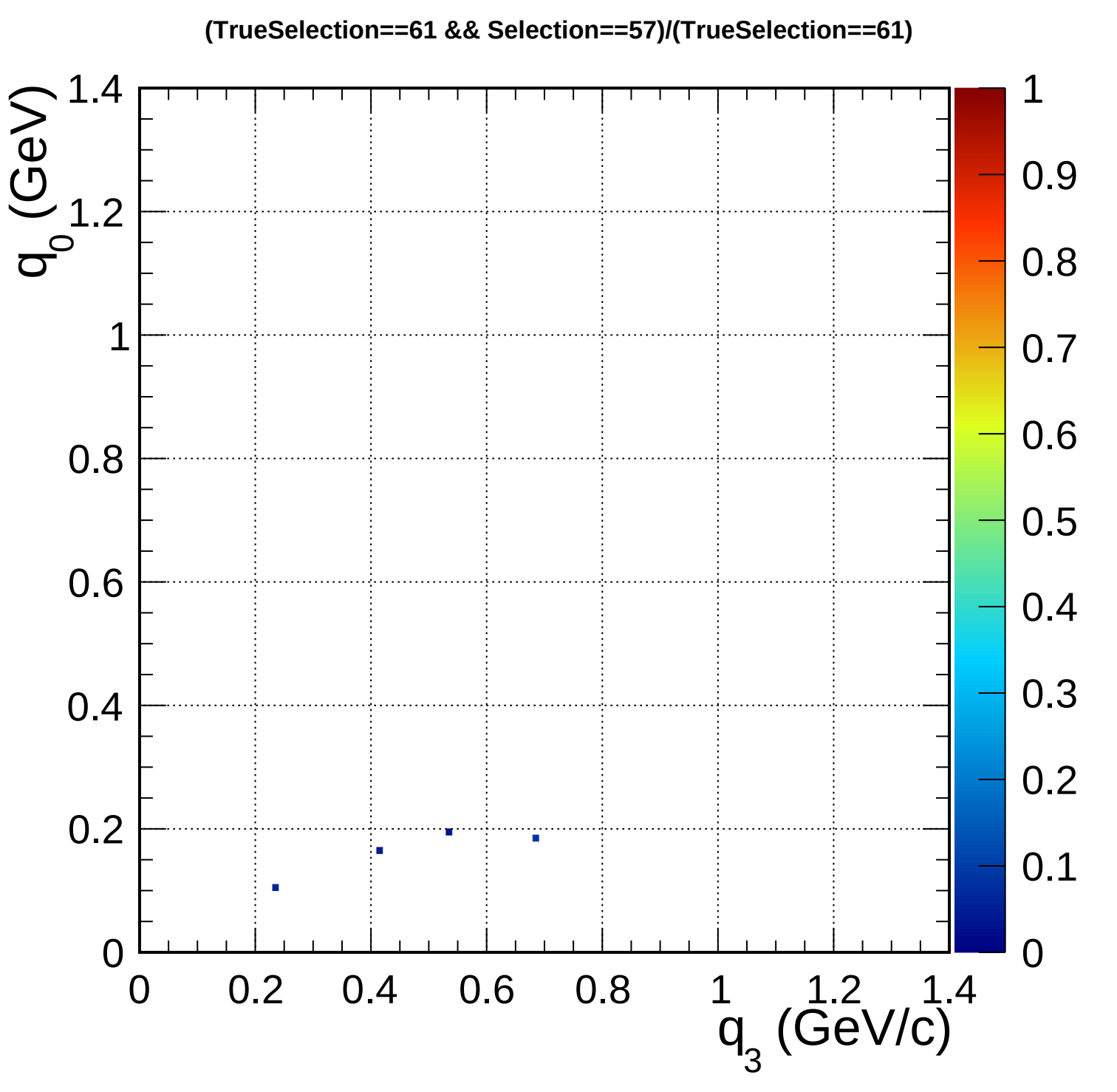

TrueSelection==61 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

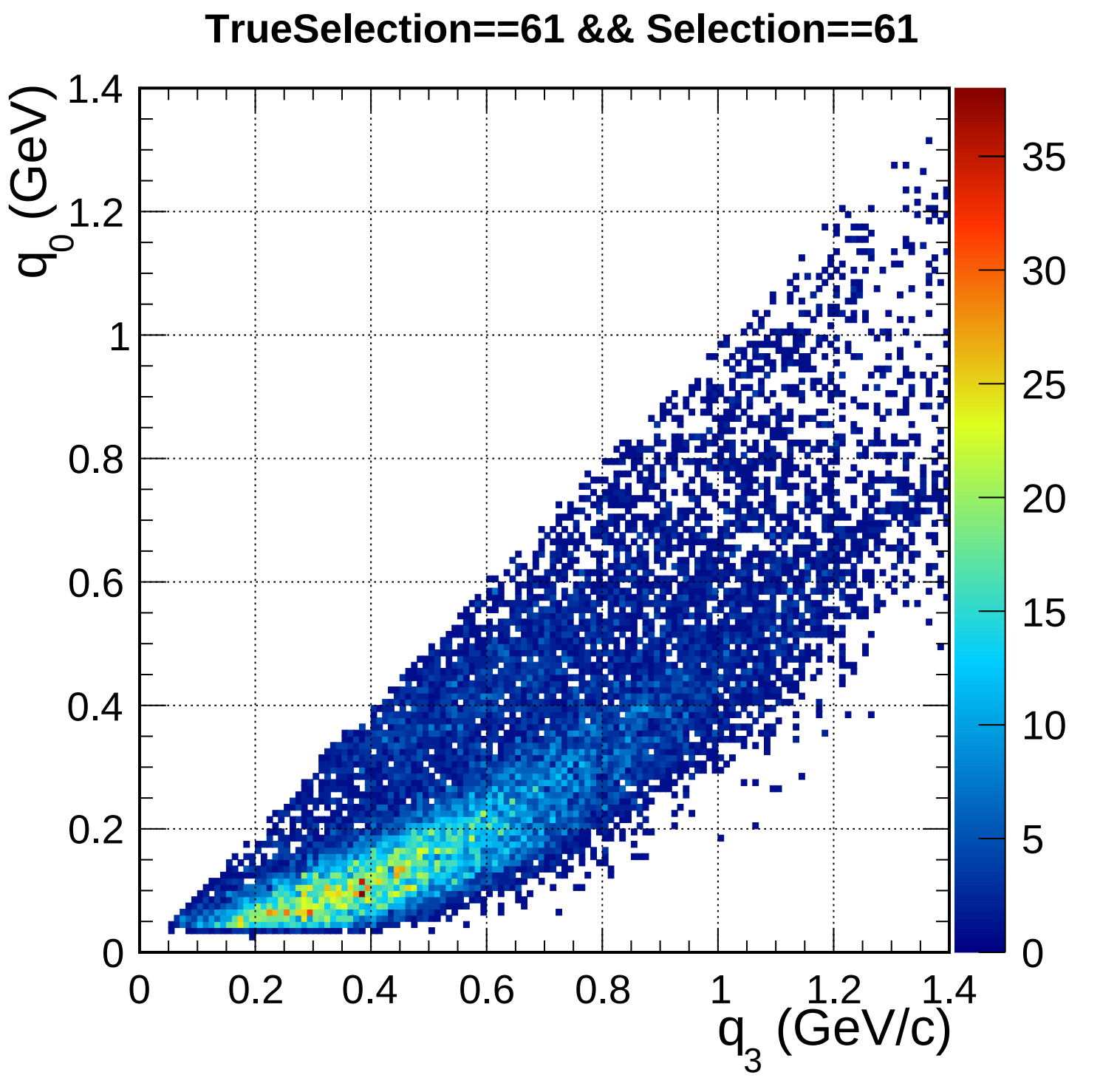

(TrueSelection==61 && Selection==55)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

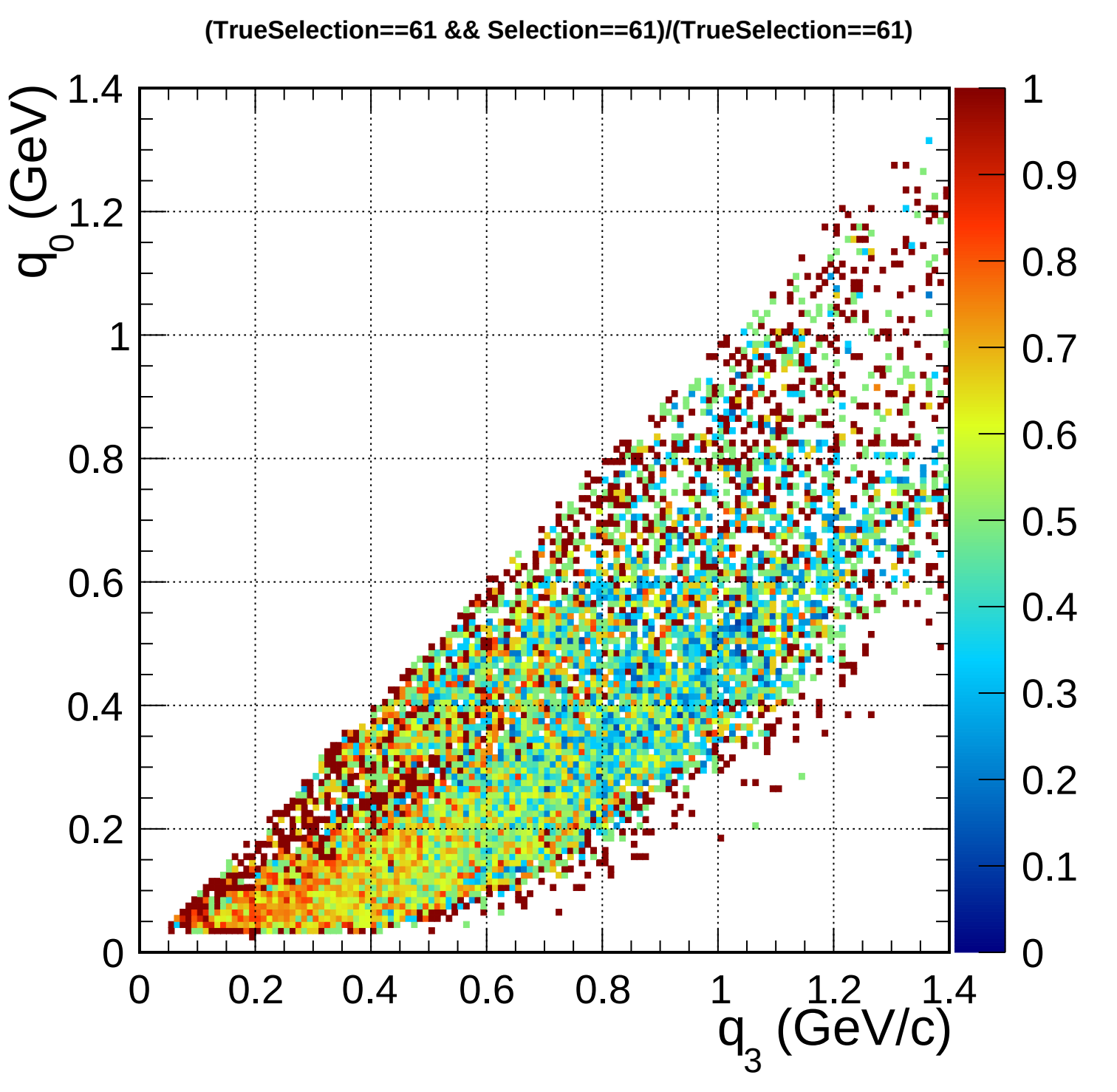

TrueSelection==61 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

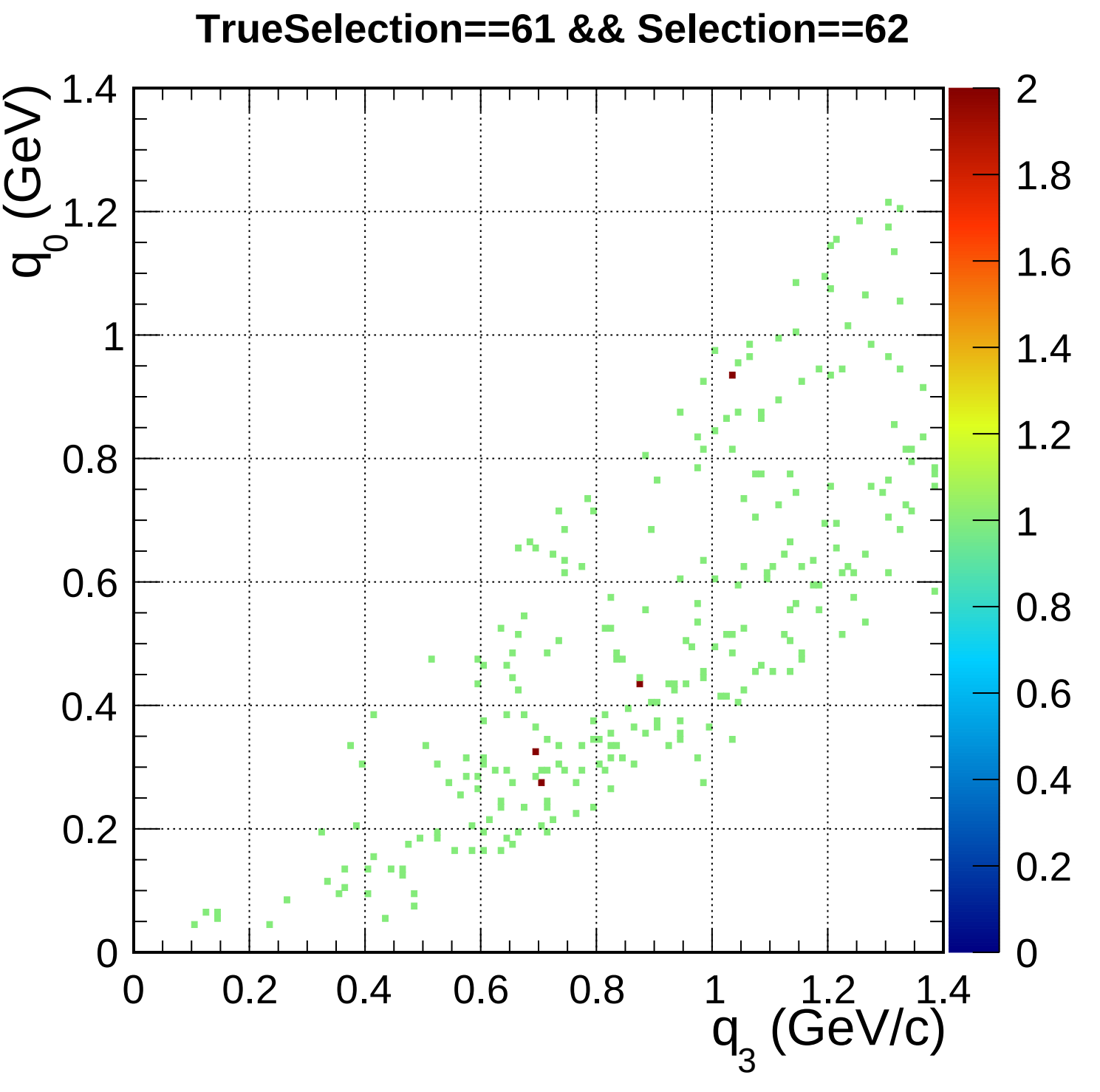

(TrueSelection==61 && Selection==56)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

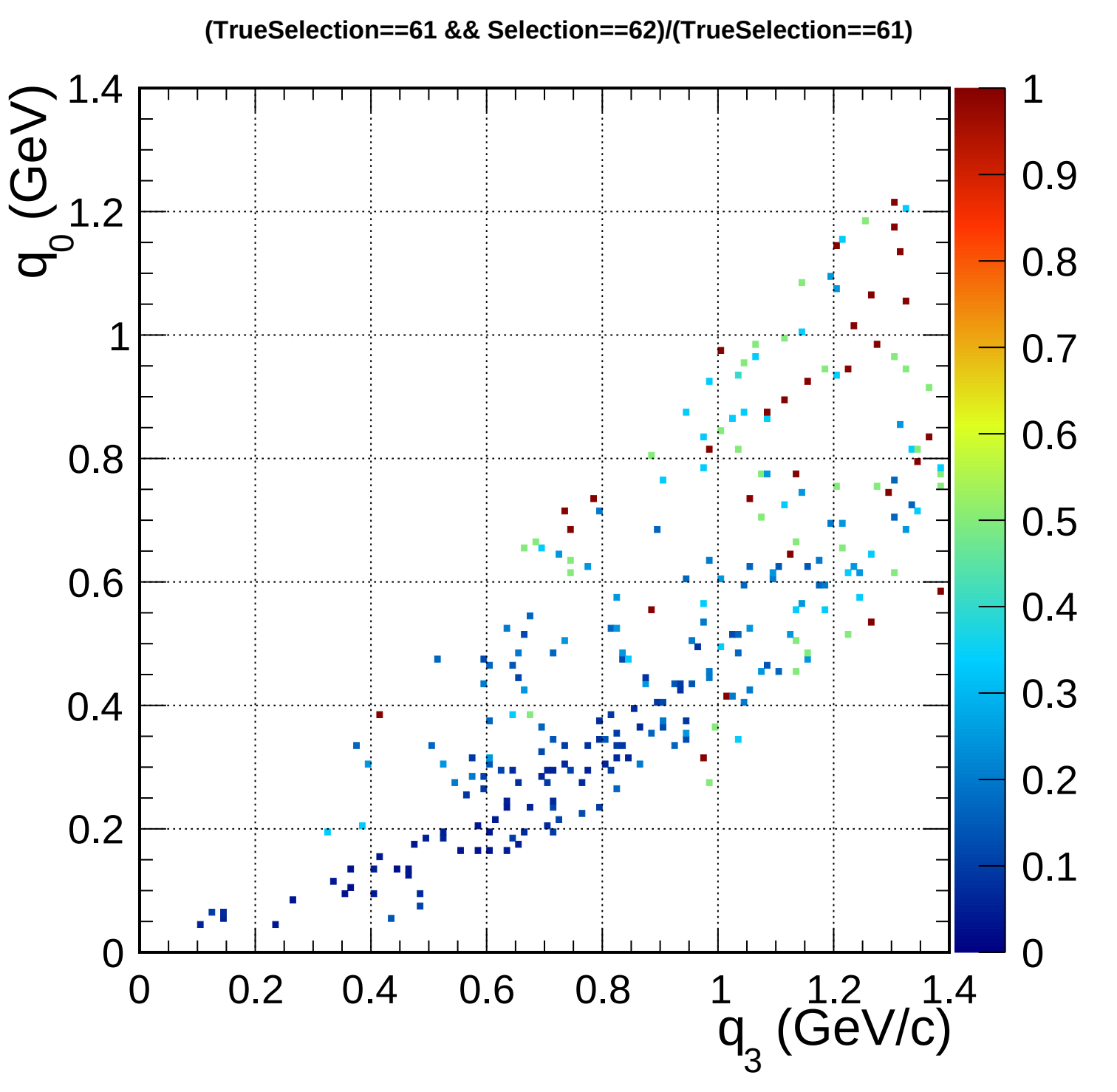

TrueSelection==61 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

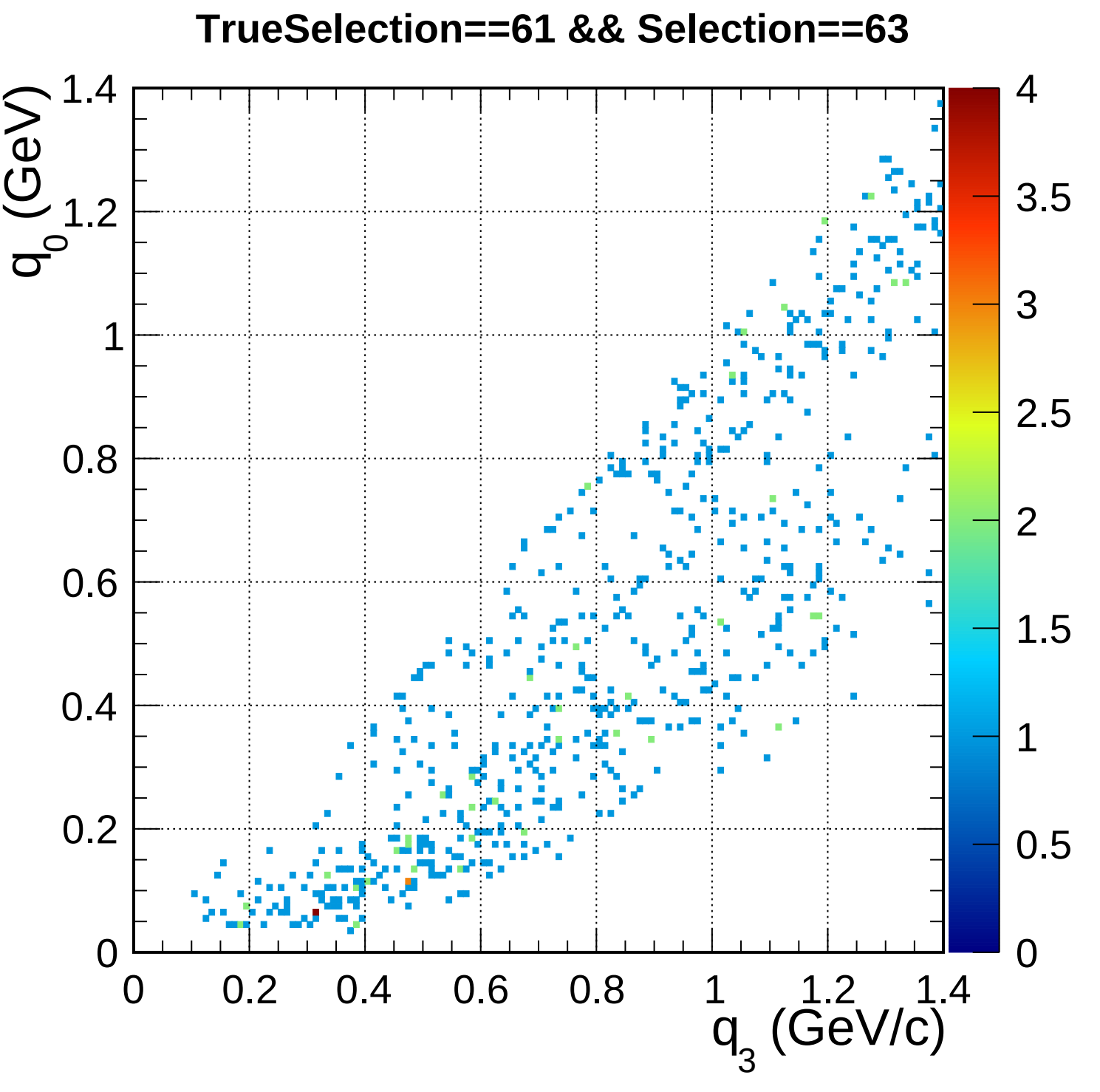

(TrueSelection==61 && Selection==57)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

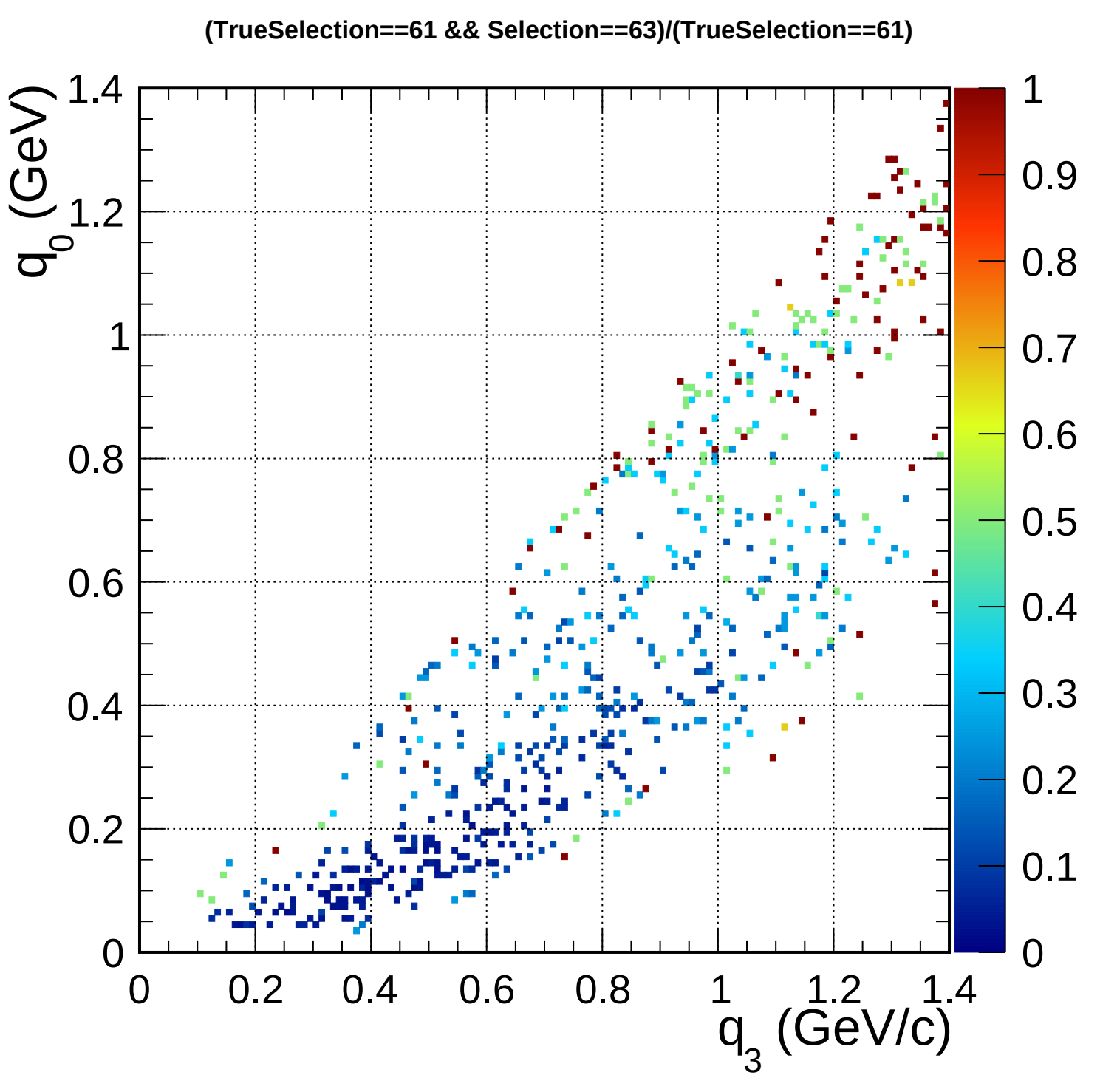

TrueSelection==61 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35

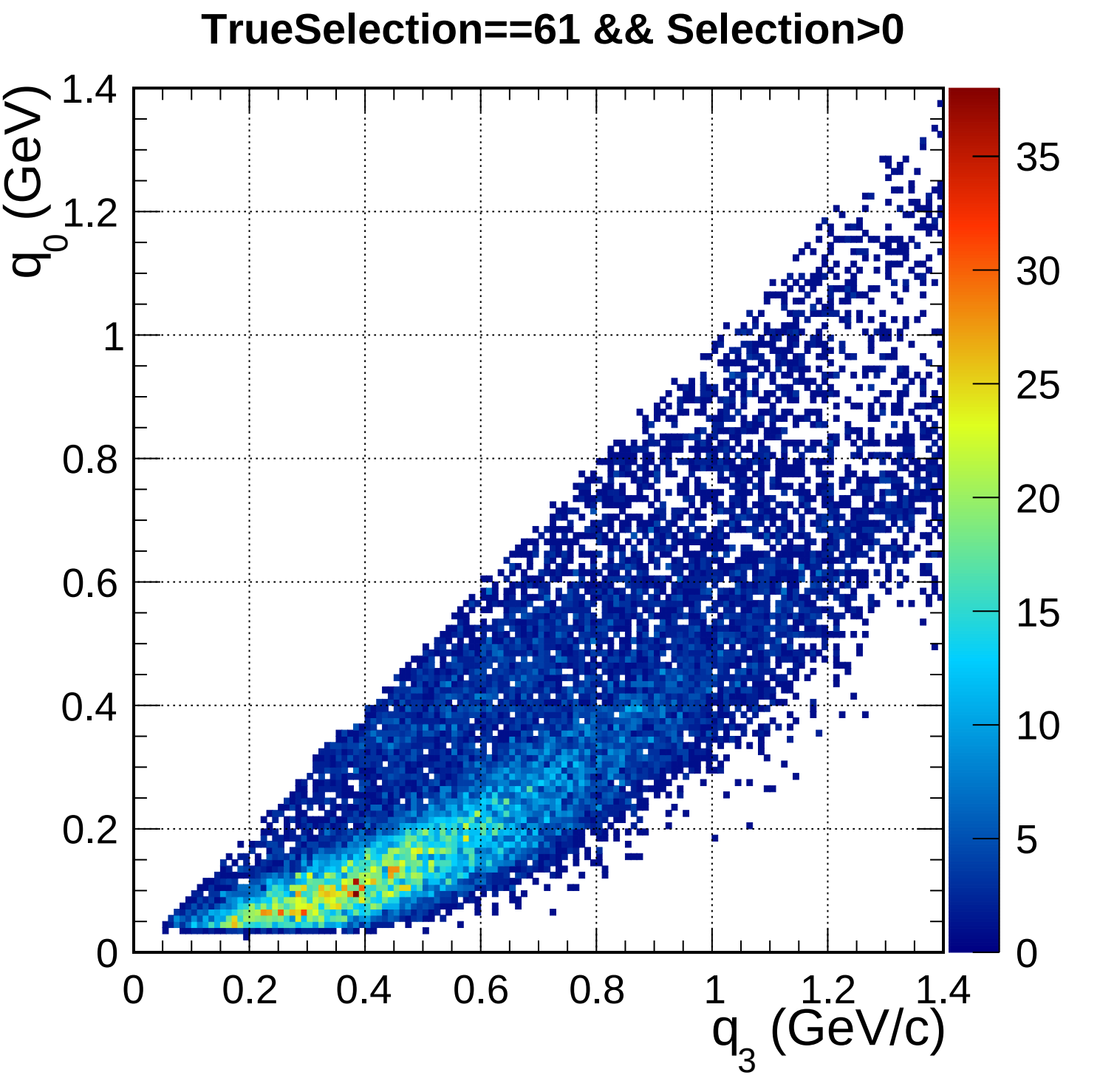

(TrueSelection==61 && Selection==61)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

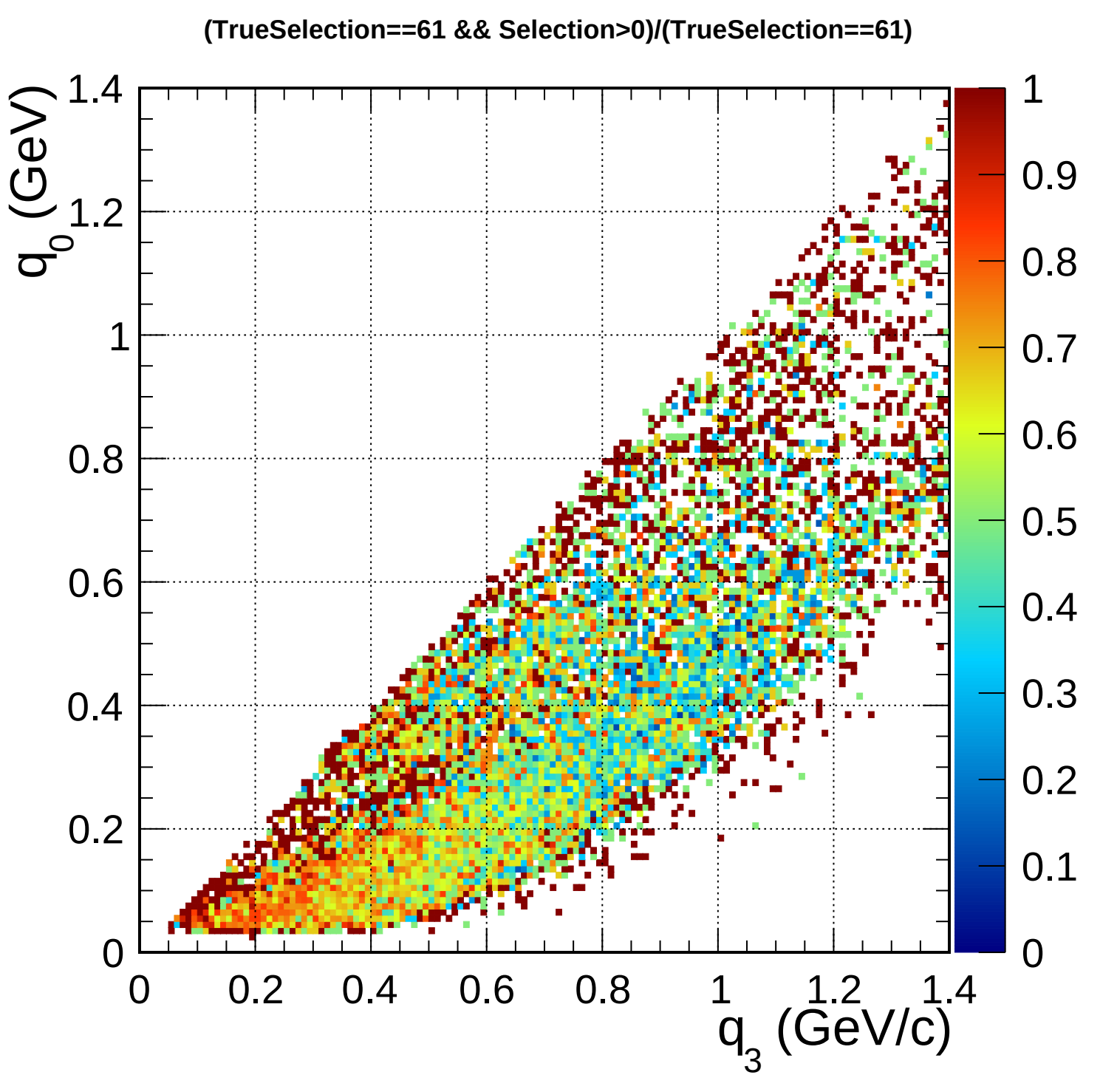

TrueSelection==61 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

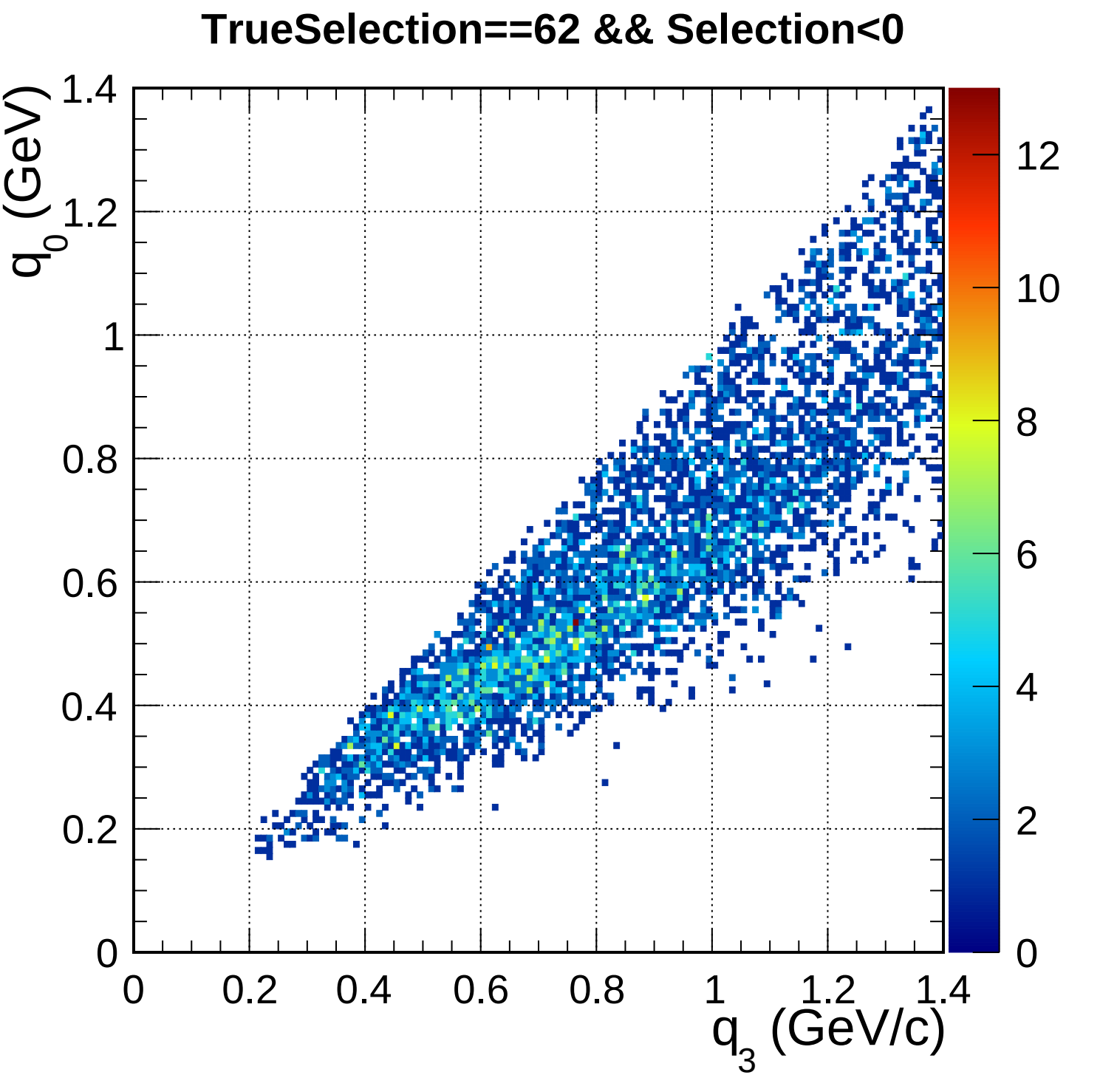

(TrueSelection==61 && Selection==62)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

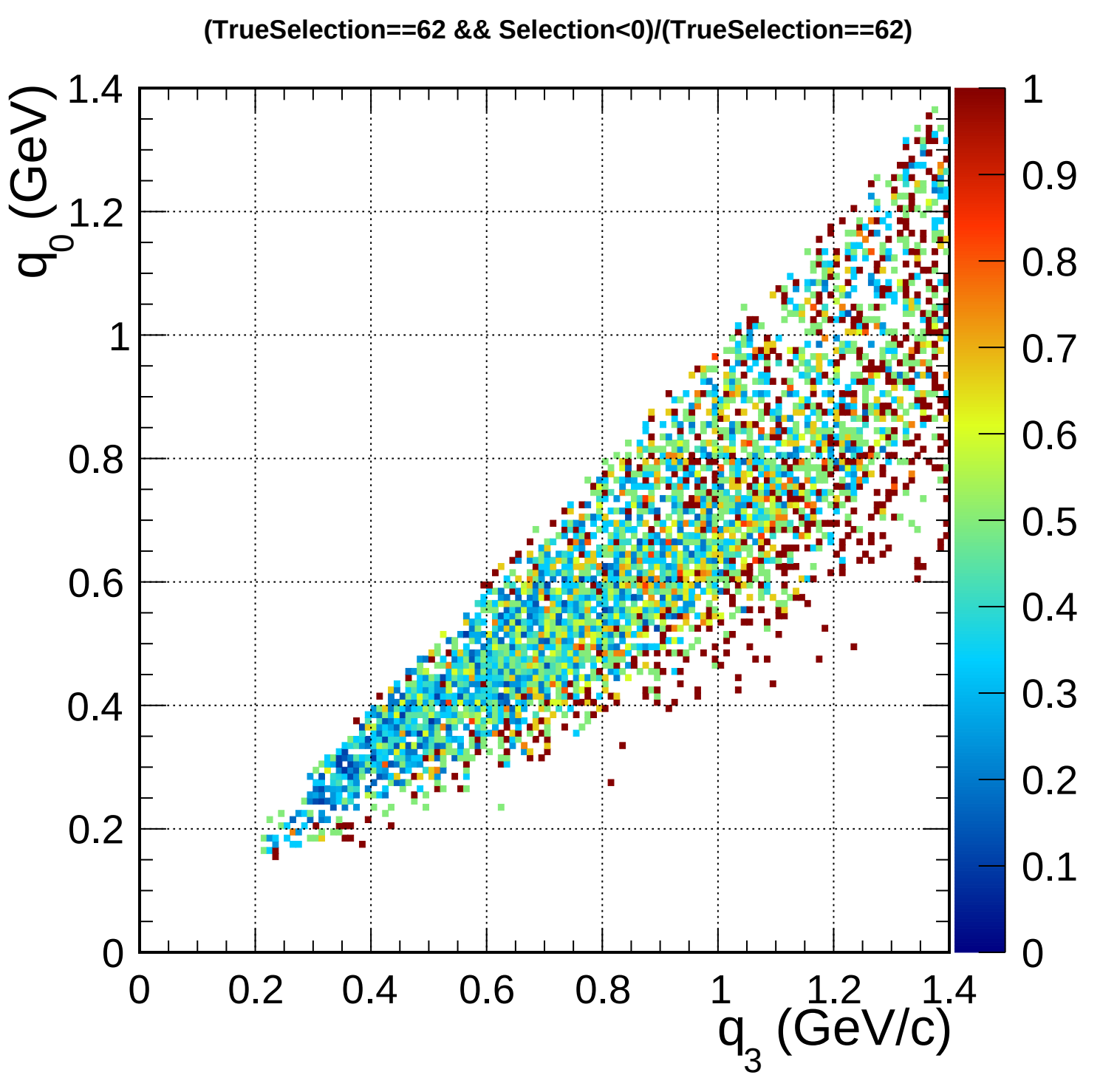

TrueSelection==61 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

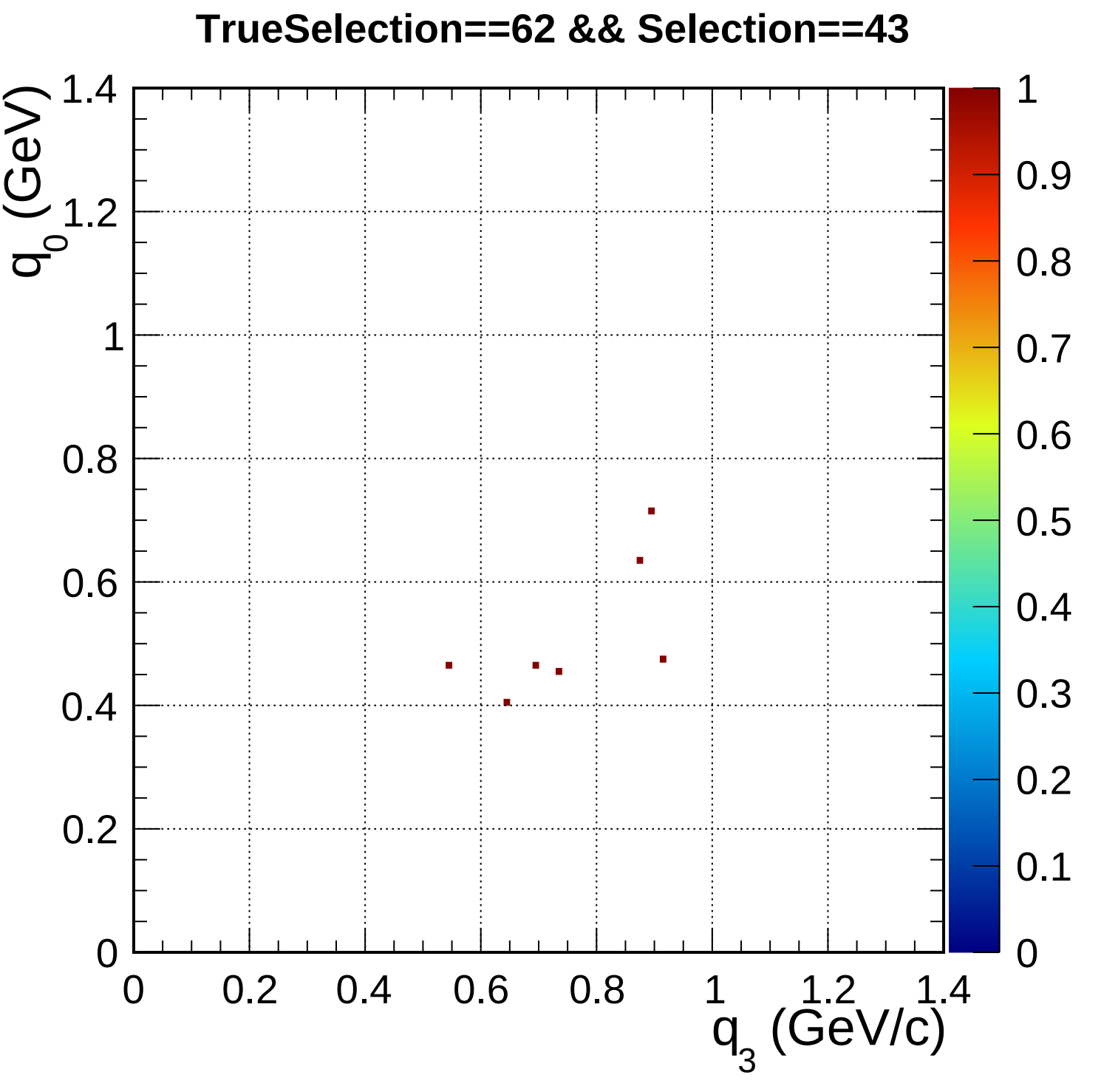

(TrueSelection==61 && Selection==63)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

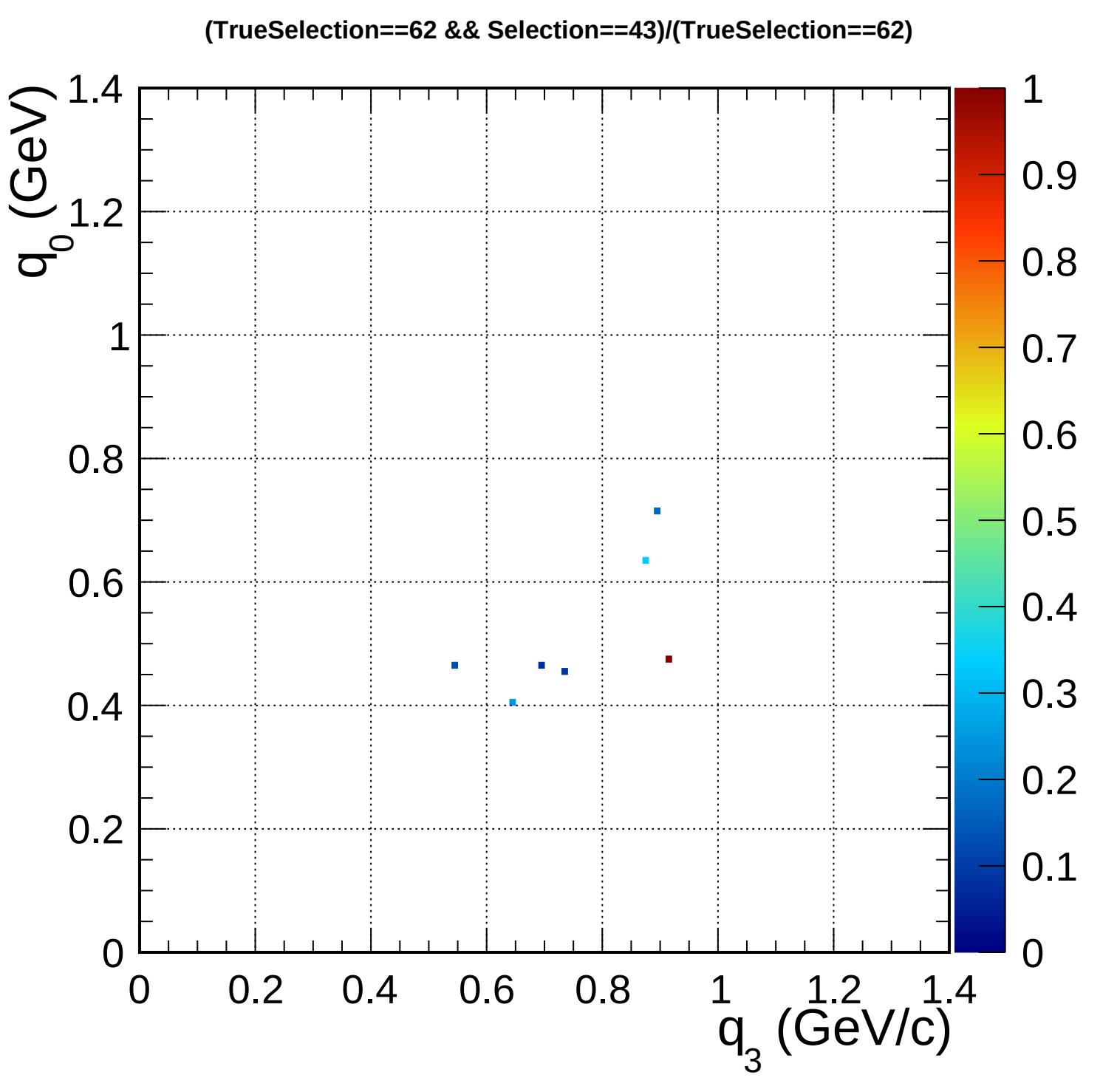

TrueSelection==61 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35

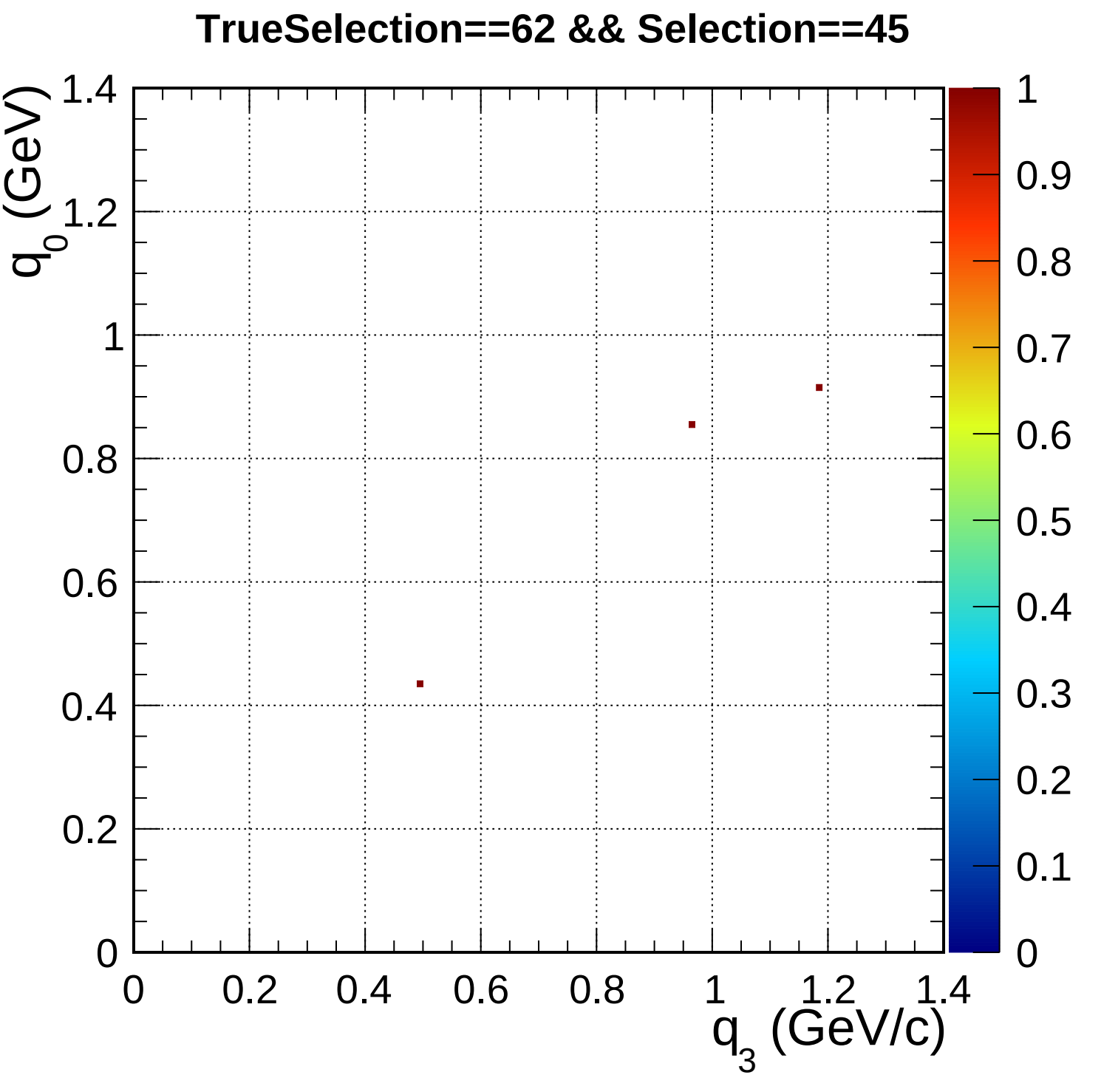

(TrueSelection==61 && Selection>0)/(TrueSelection==61)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

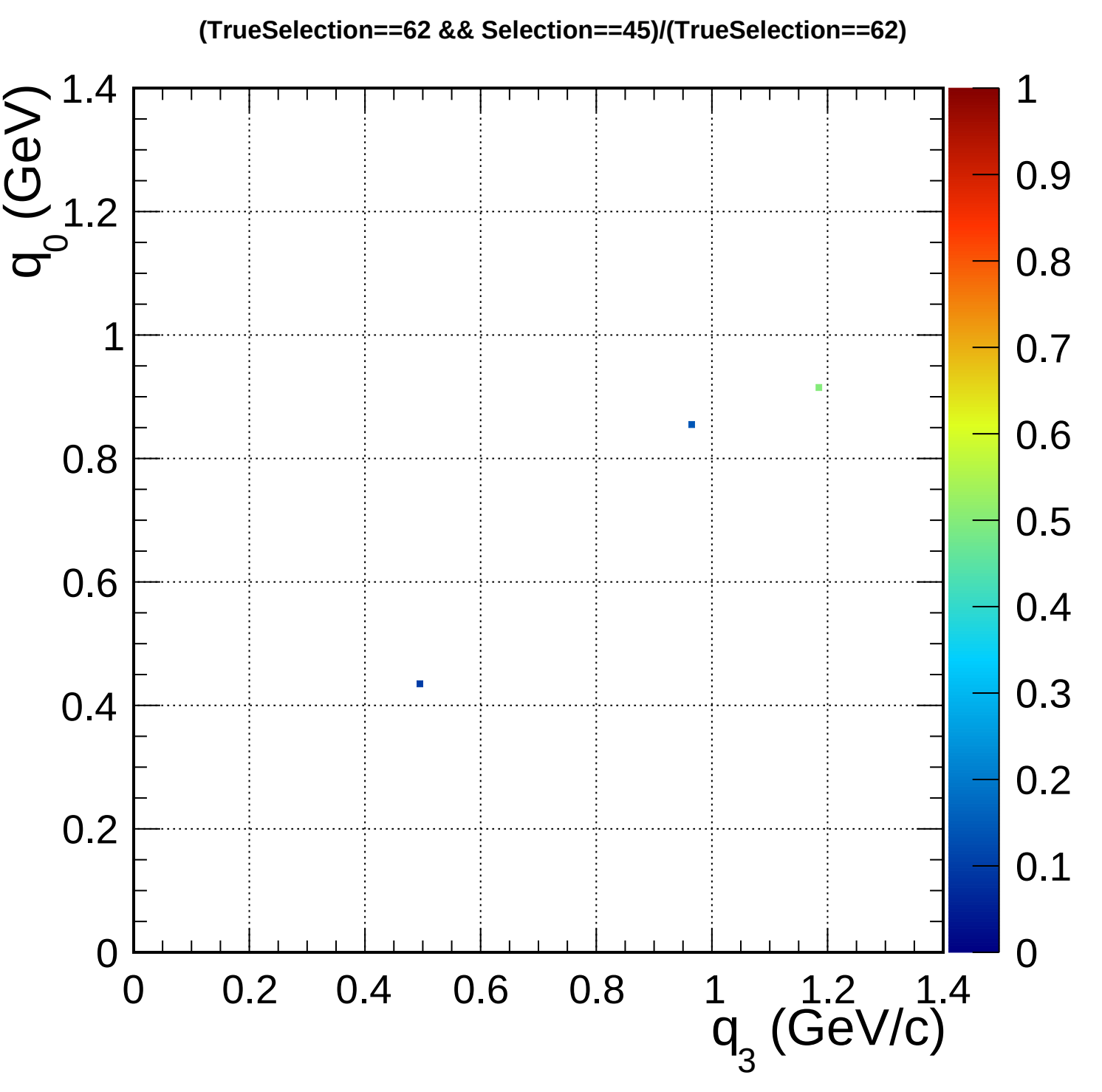

TrueSelection==62 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12

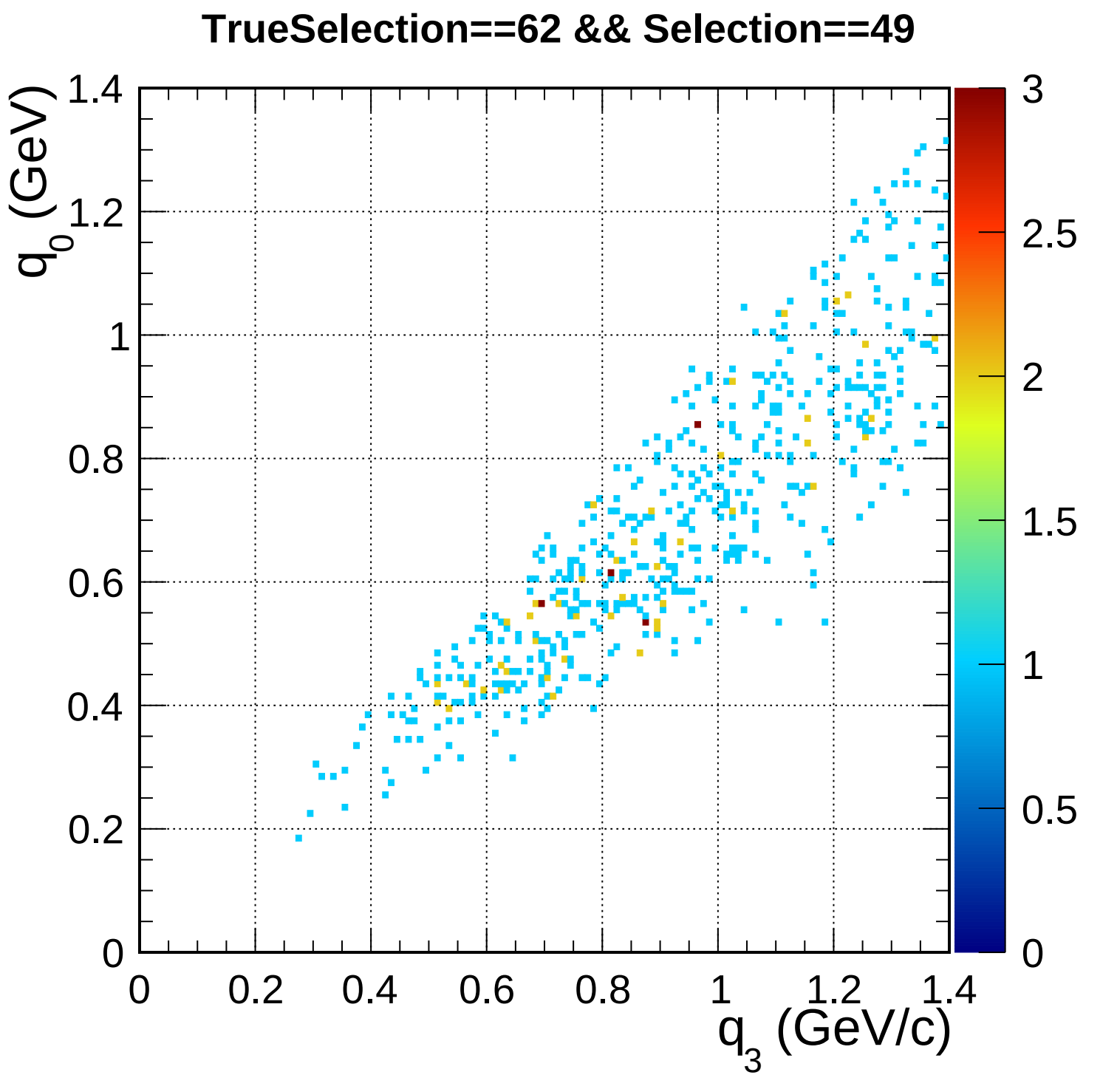

(TrueSelection==62 && Selection<0)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

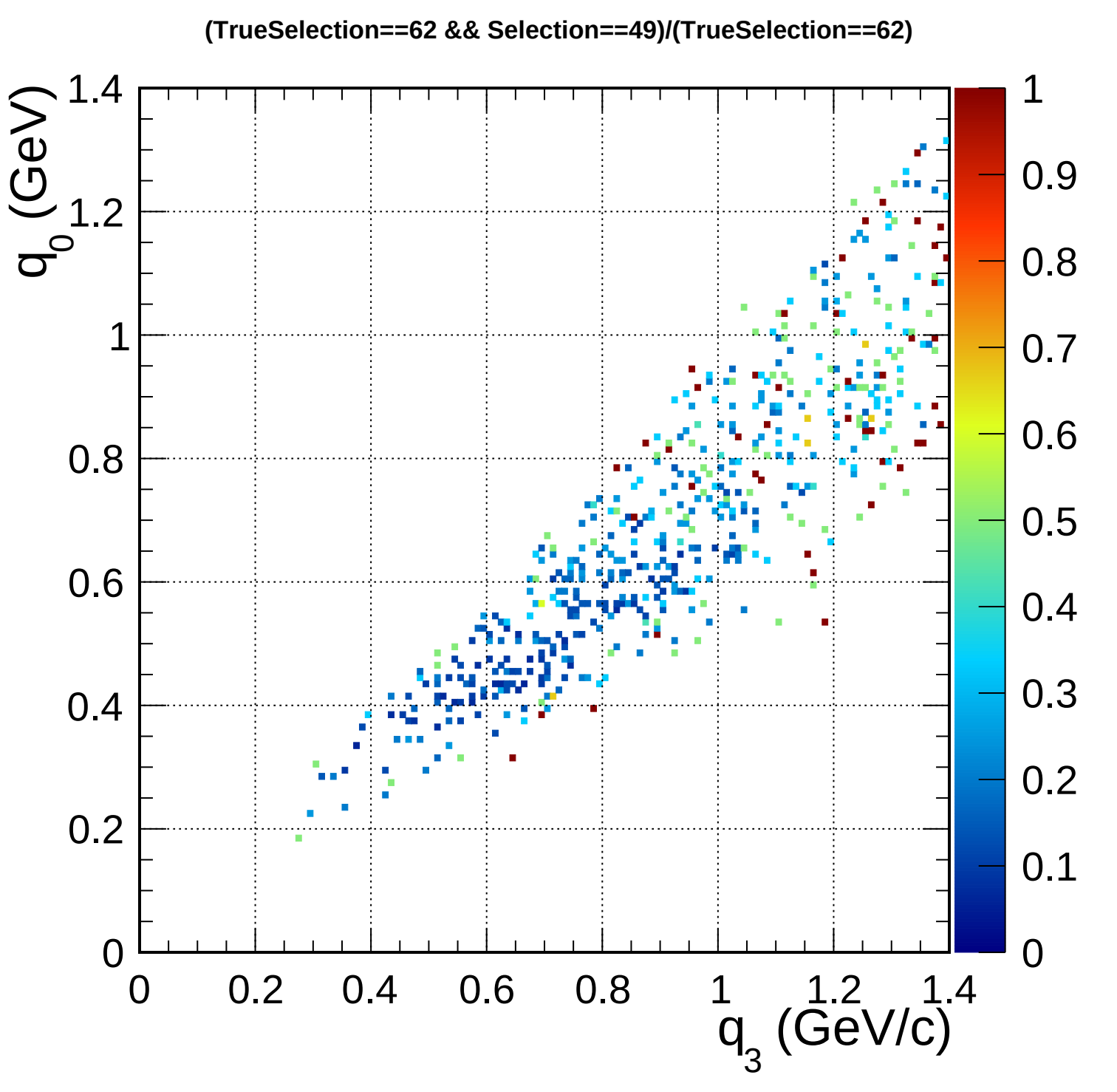

TrueSelection==62 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

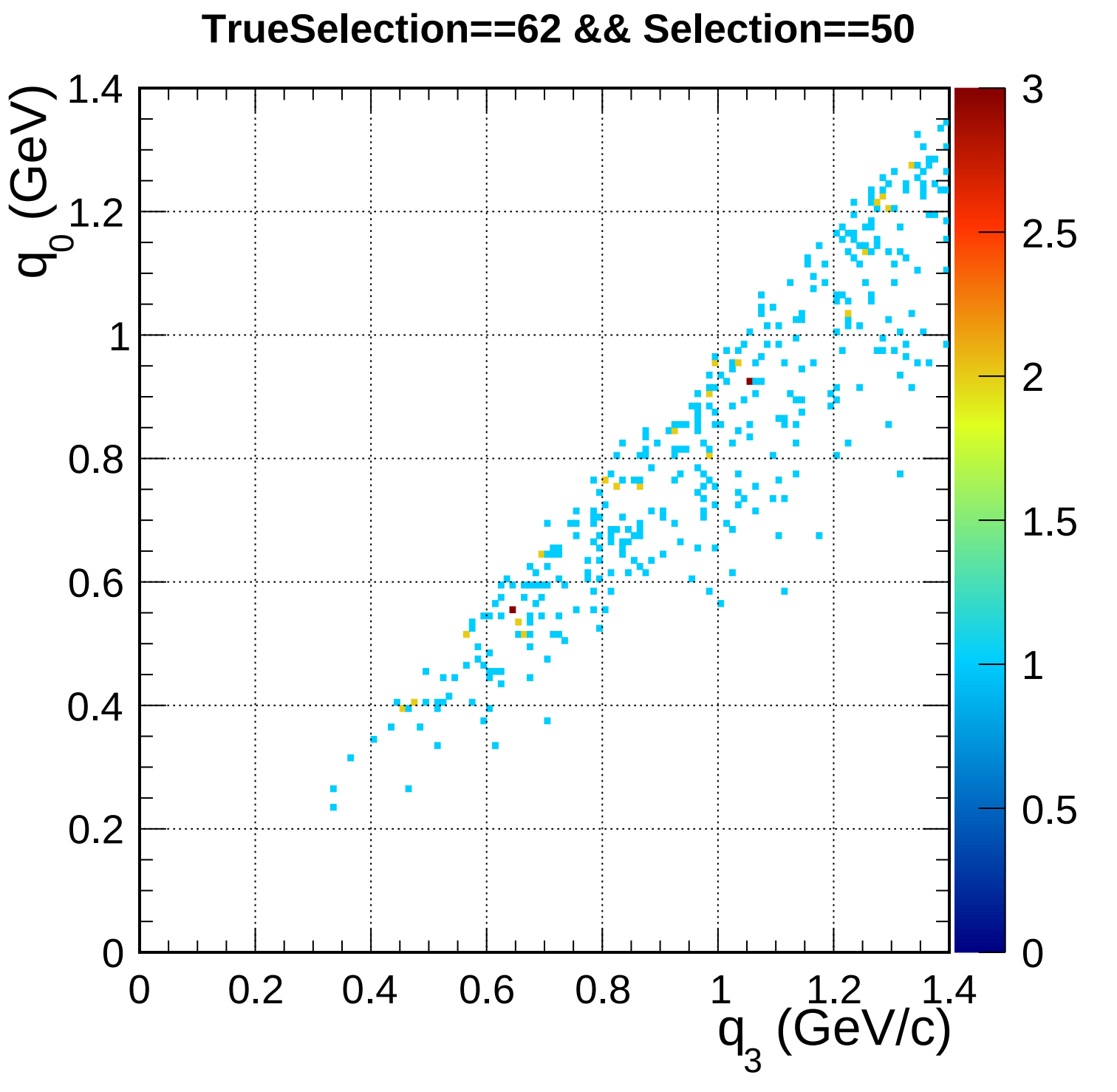

(TrueSelection==62 && Selection==43)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

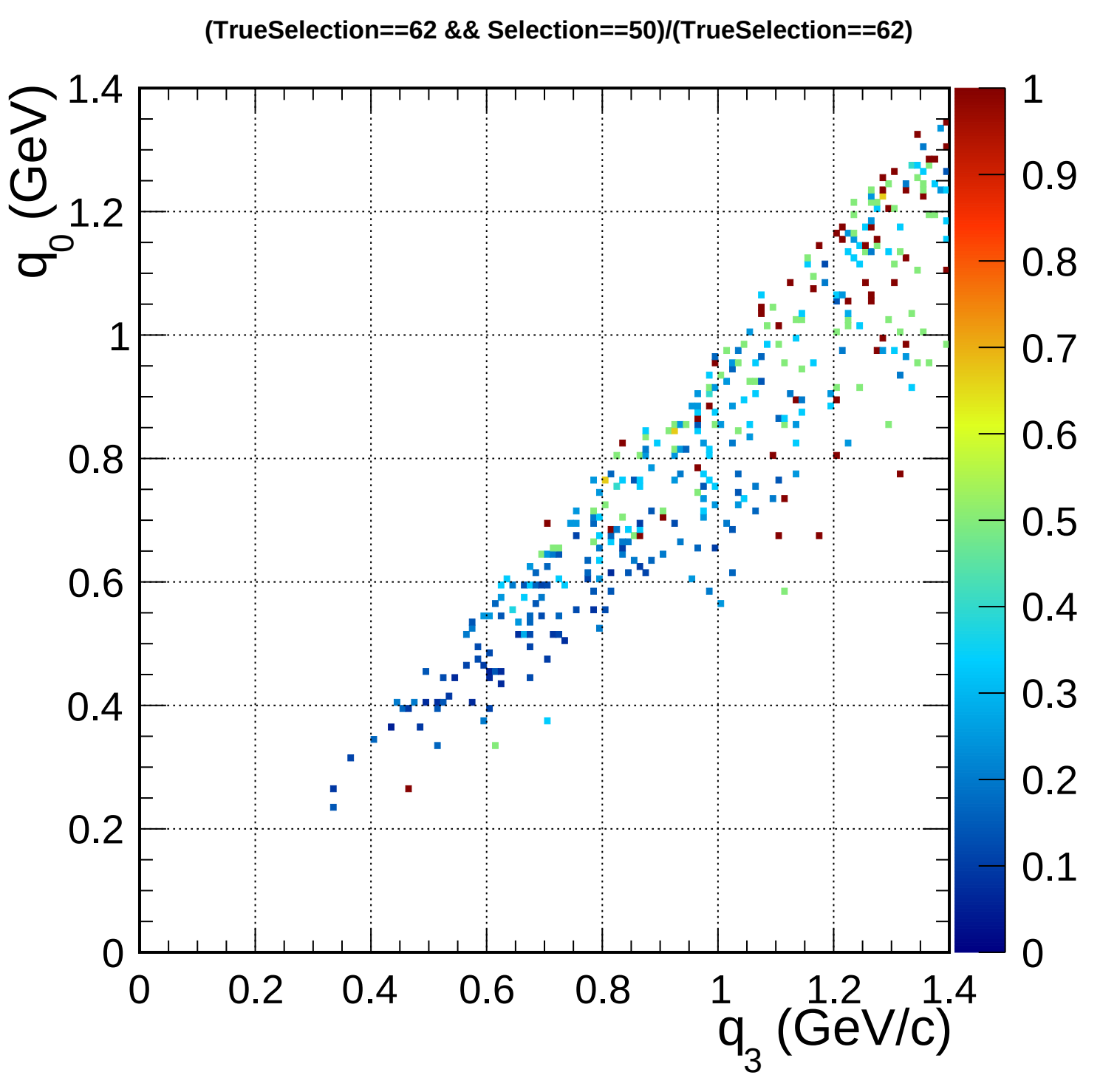

TrueSelection==62 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

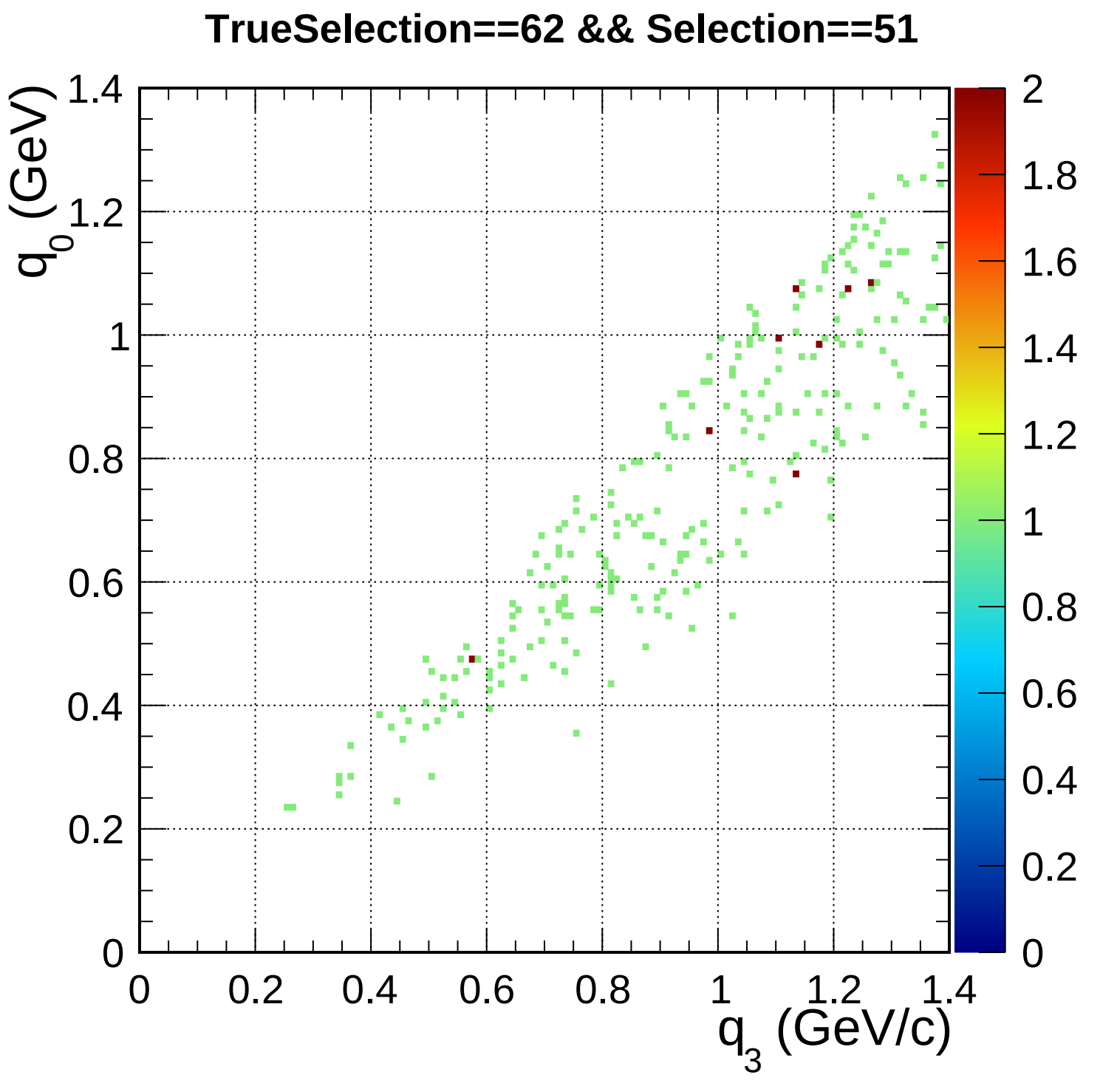

(TrueSelection==62 && Selection==45)/(TrueSelection==62)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

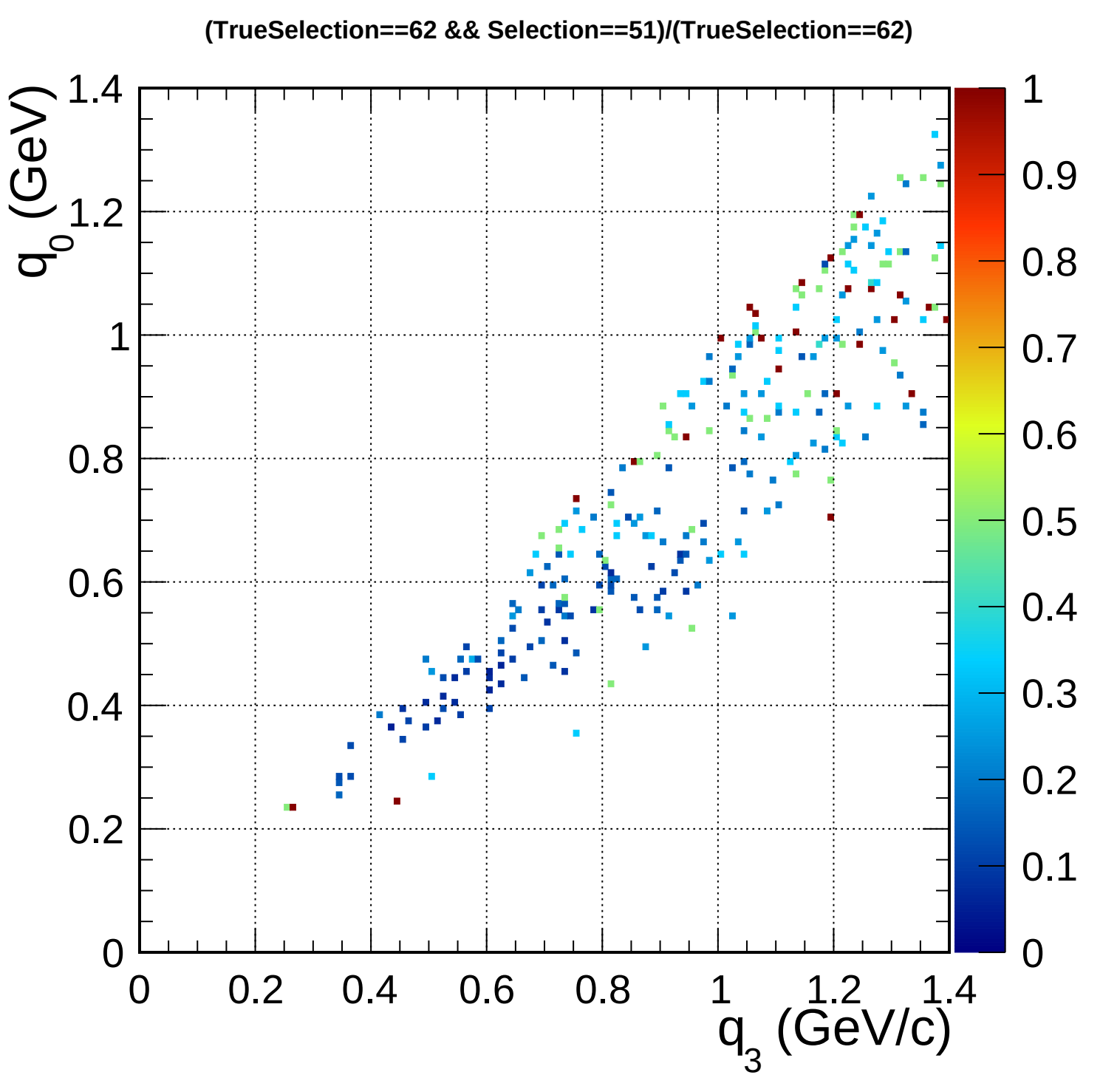

TrueSelection==62 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

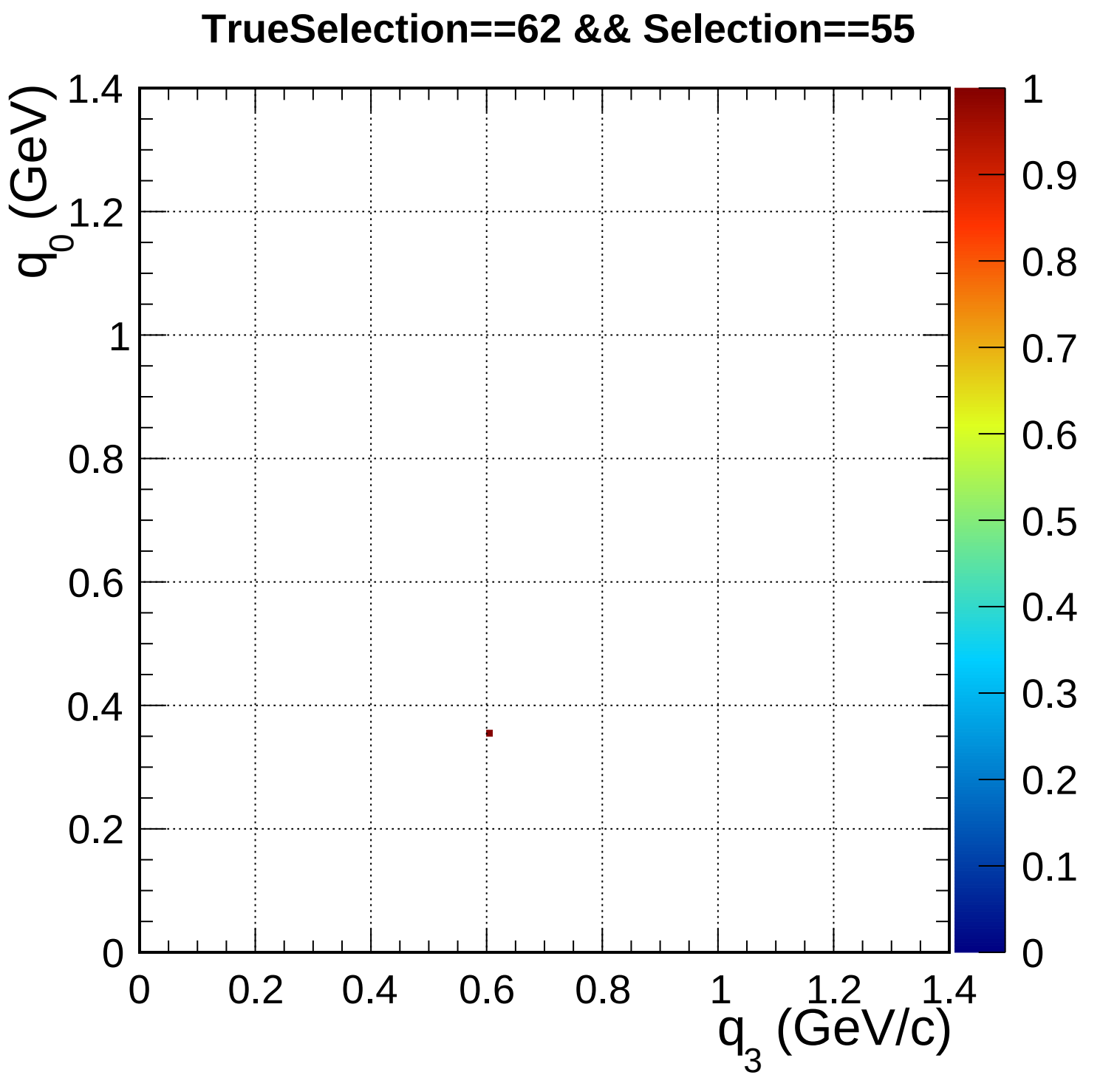

(TrueSelection==62 && Selection==49)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

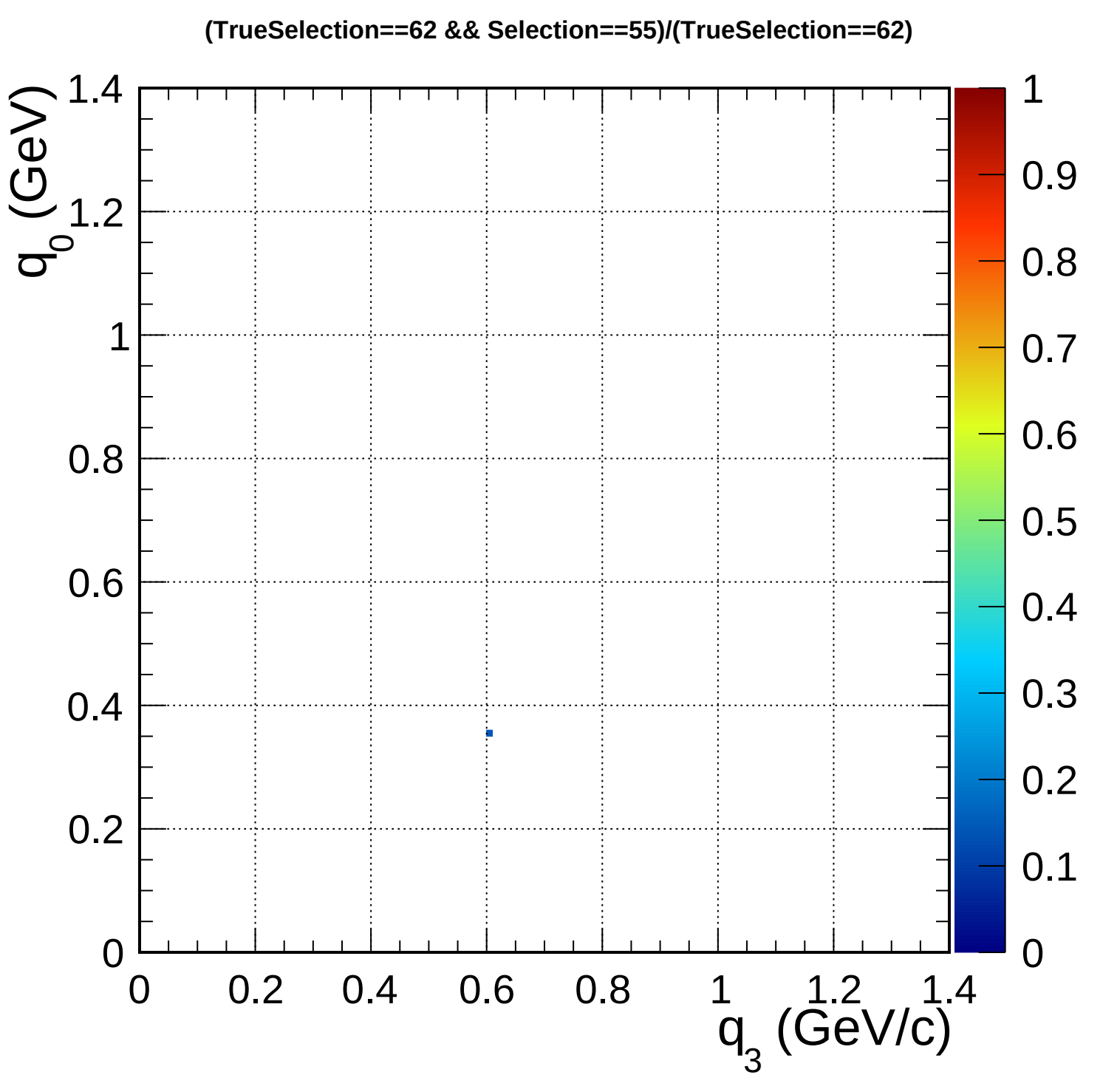

TrueSelection==62 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

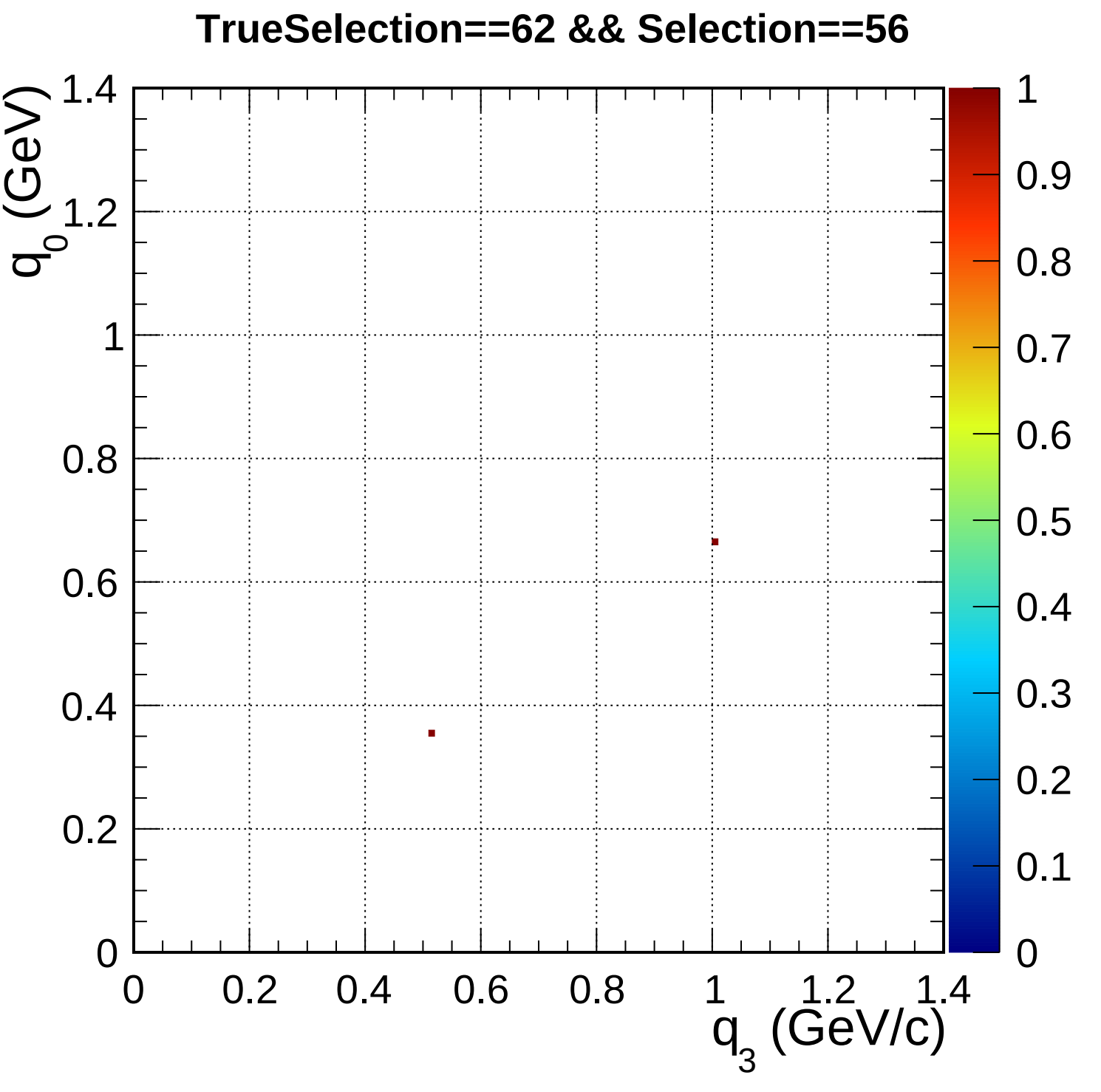

(TrueSelection==62 && Selection==50)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

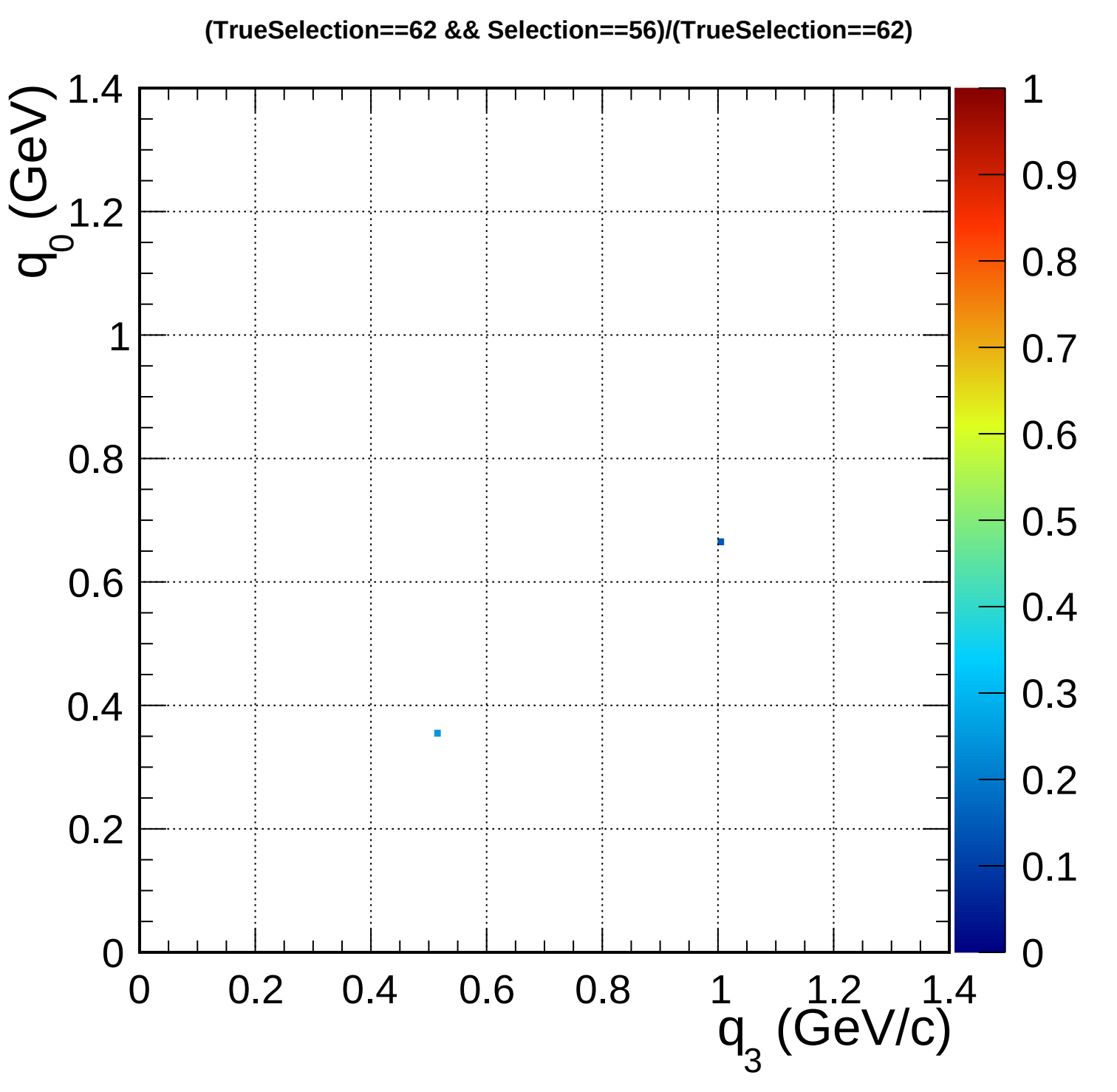

TrueSelection==62 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

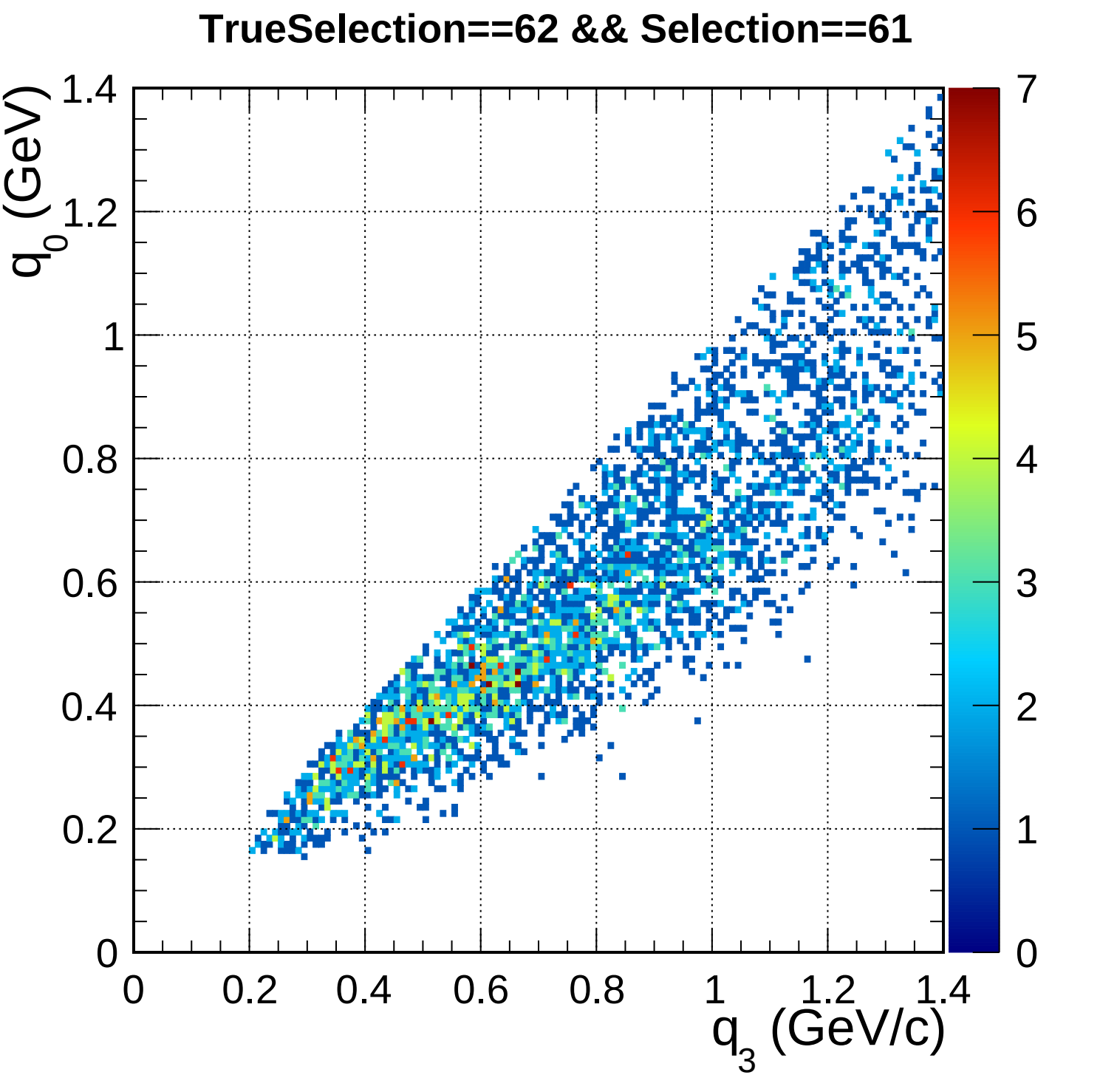

(TrueSelection==62 && Selection==51)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

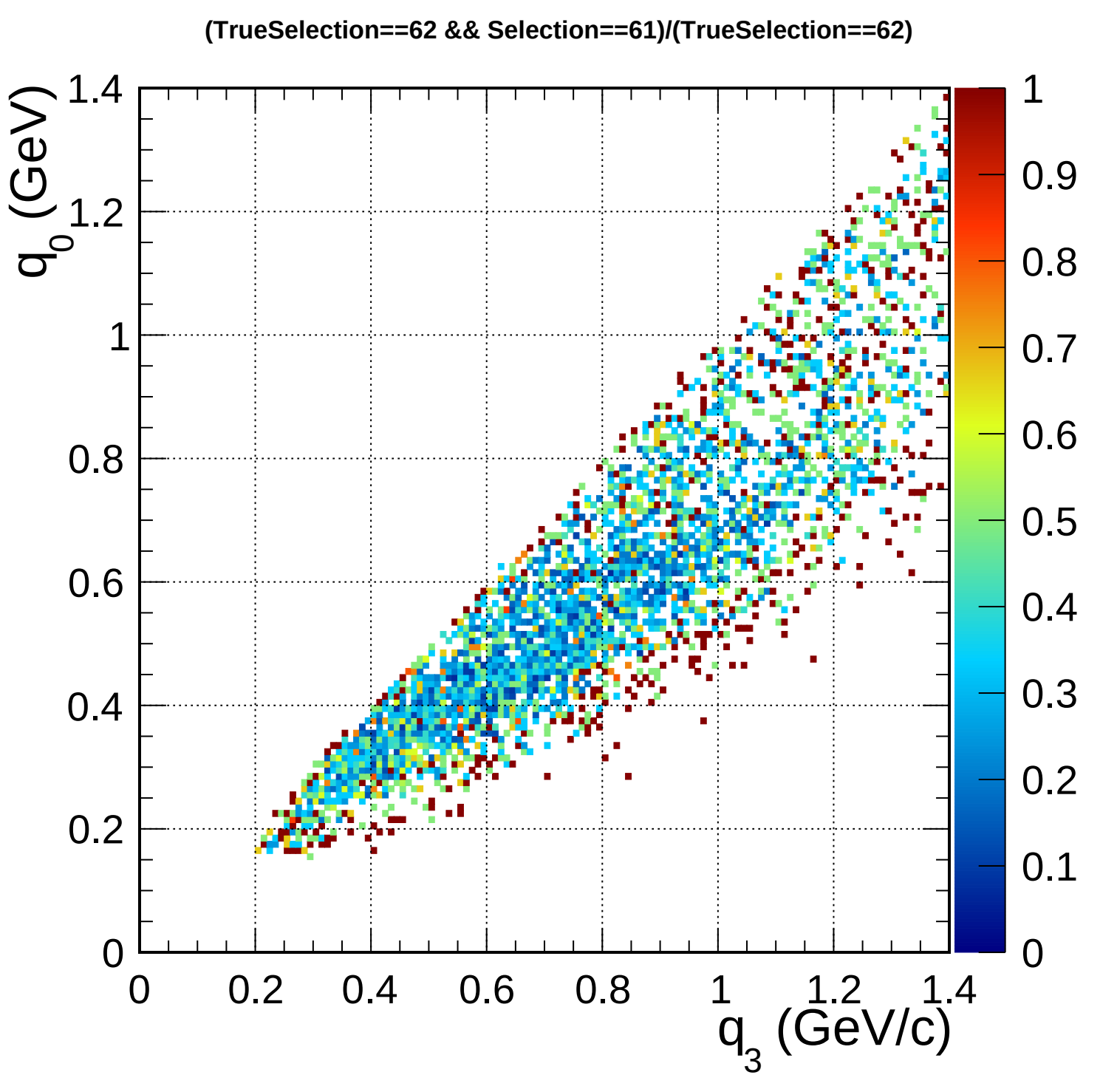

TrueSelection==62 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

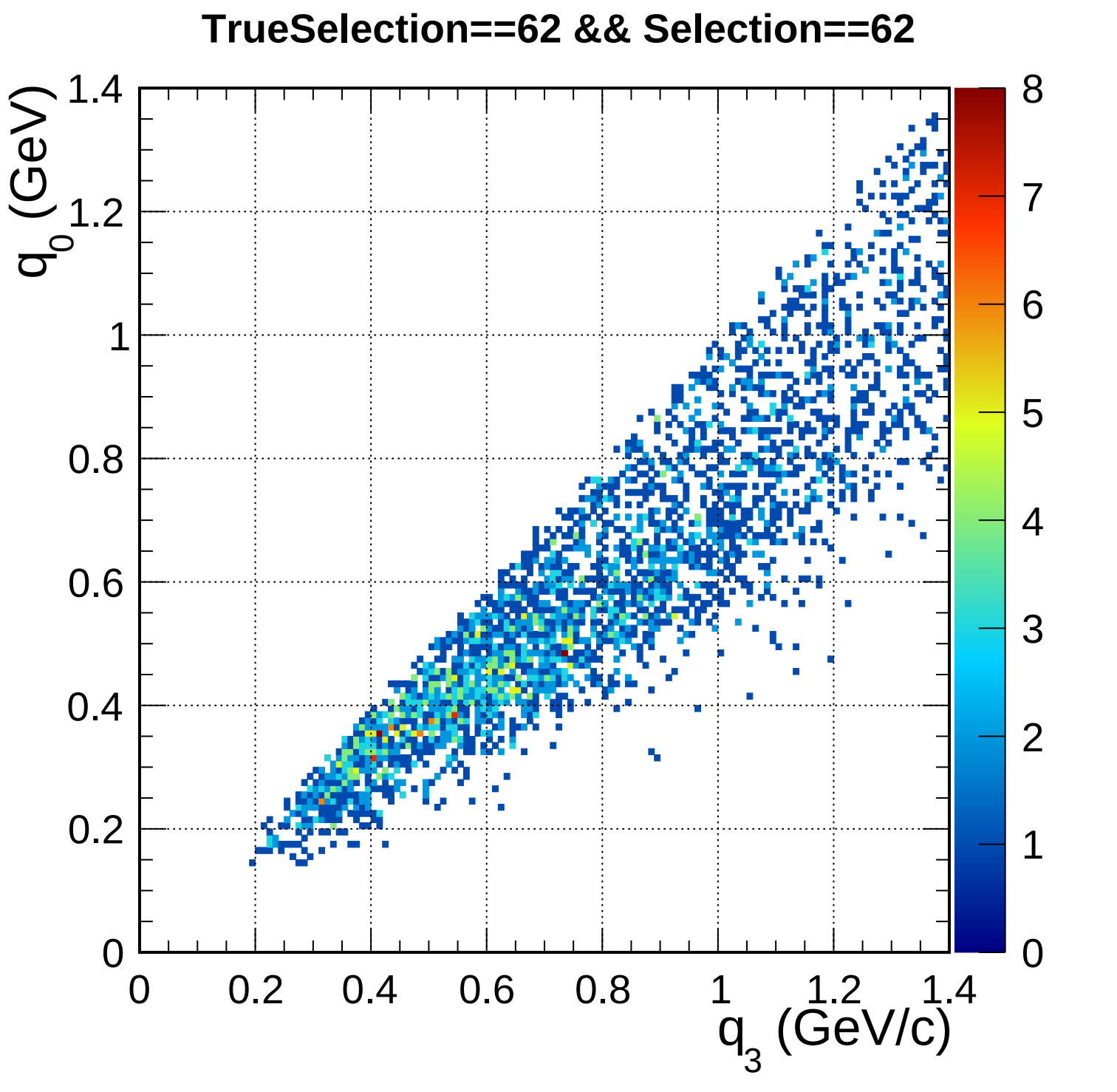

(TrueSelection==62 && Selection==55)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

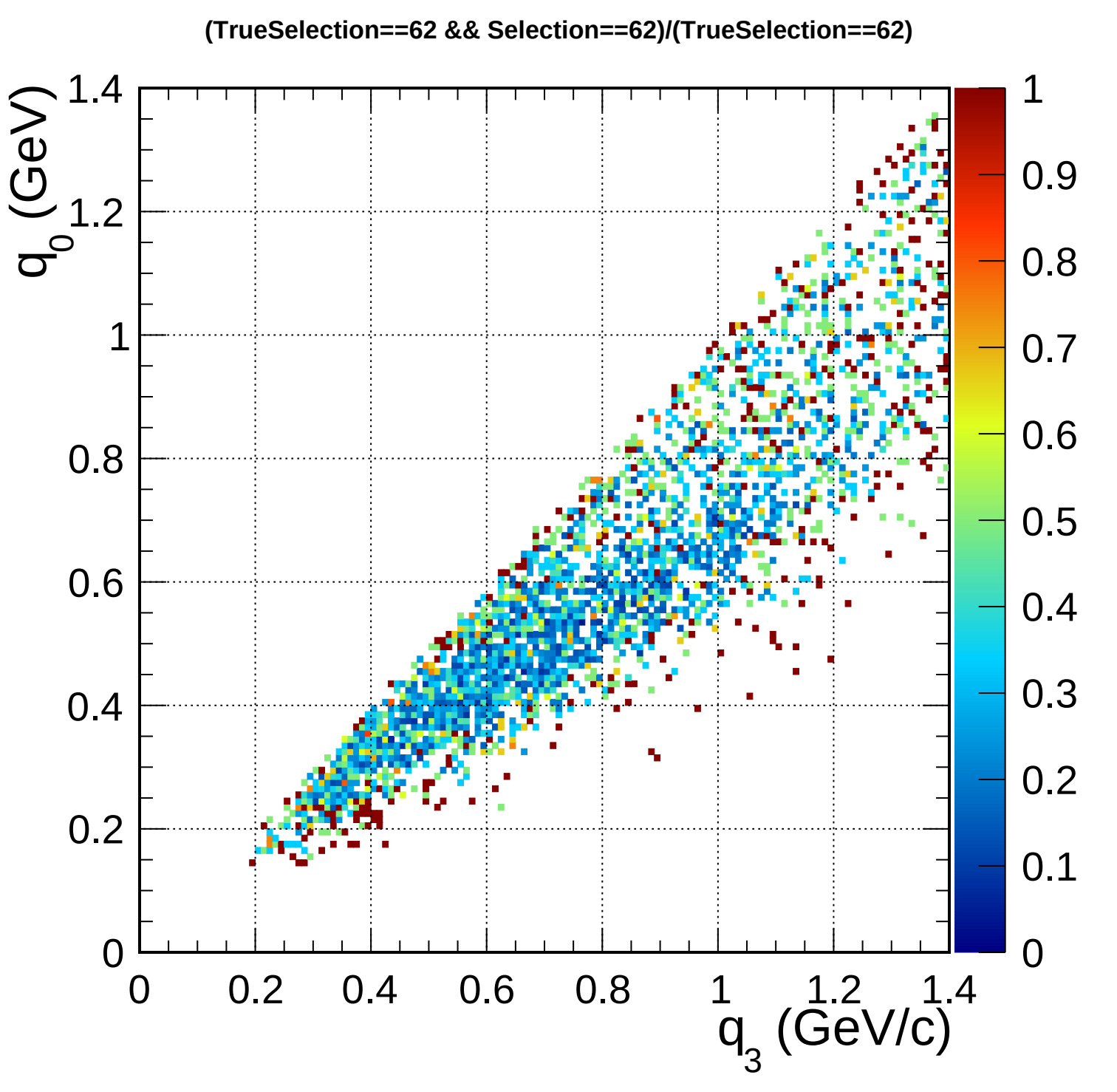

TrueSelection==62 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

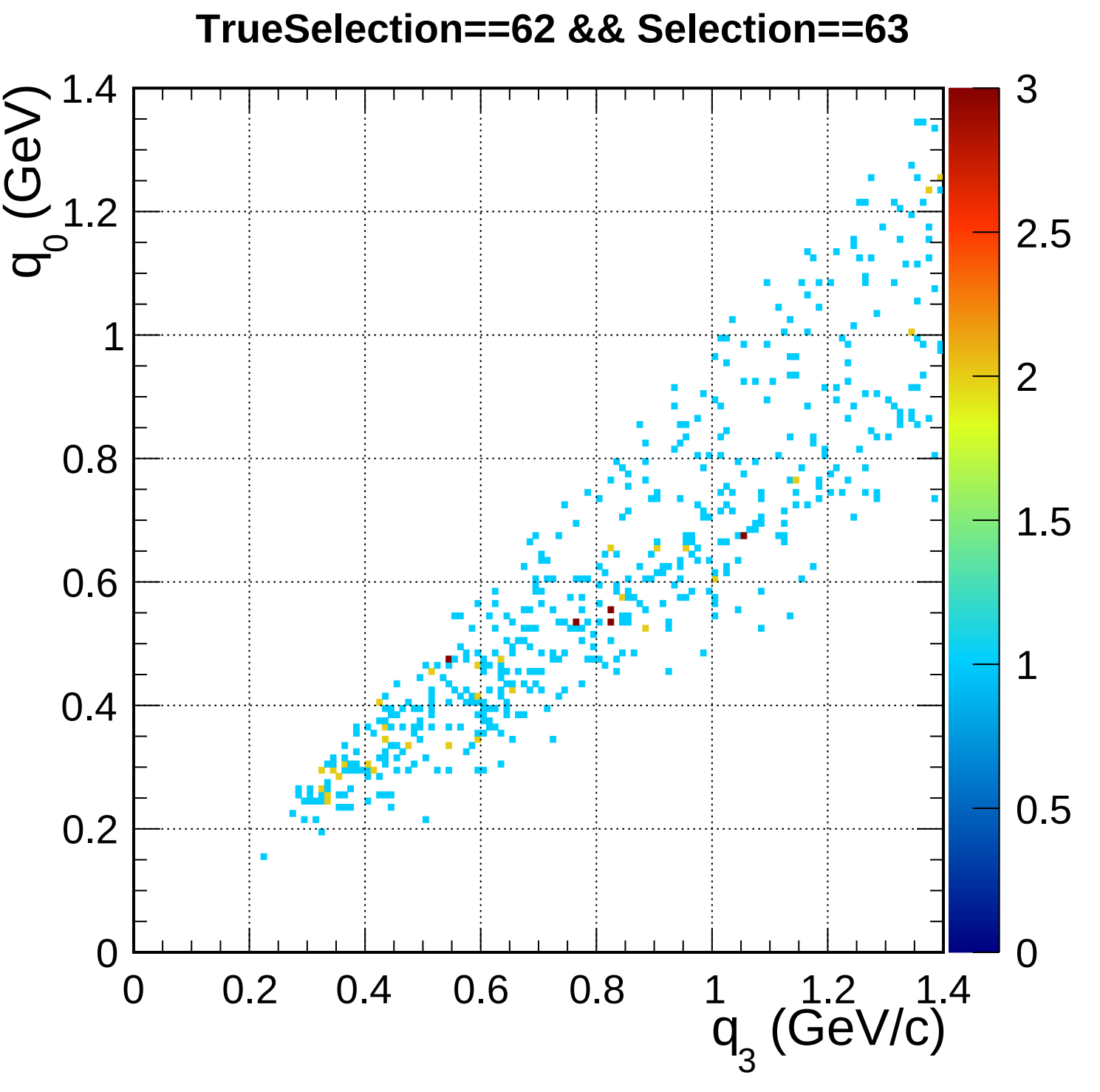

(TrueSelection==62 && Selection==56)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

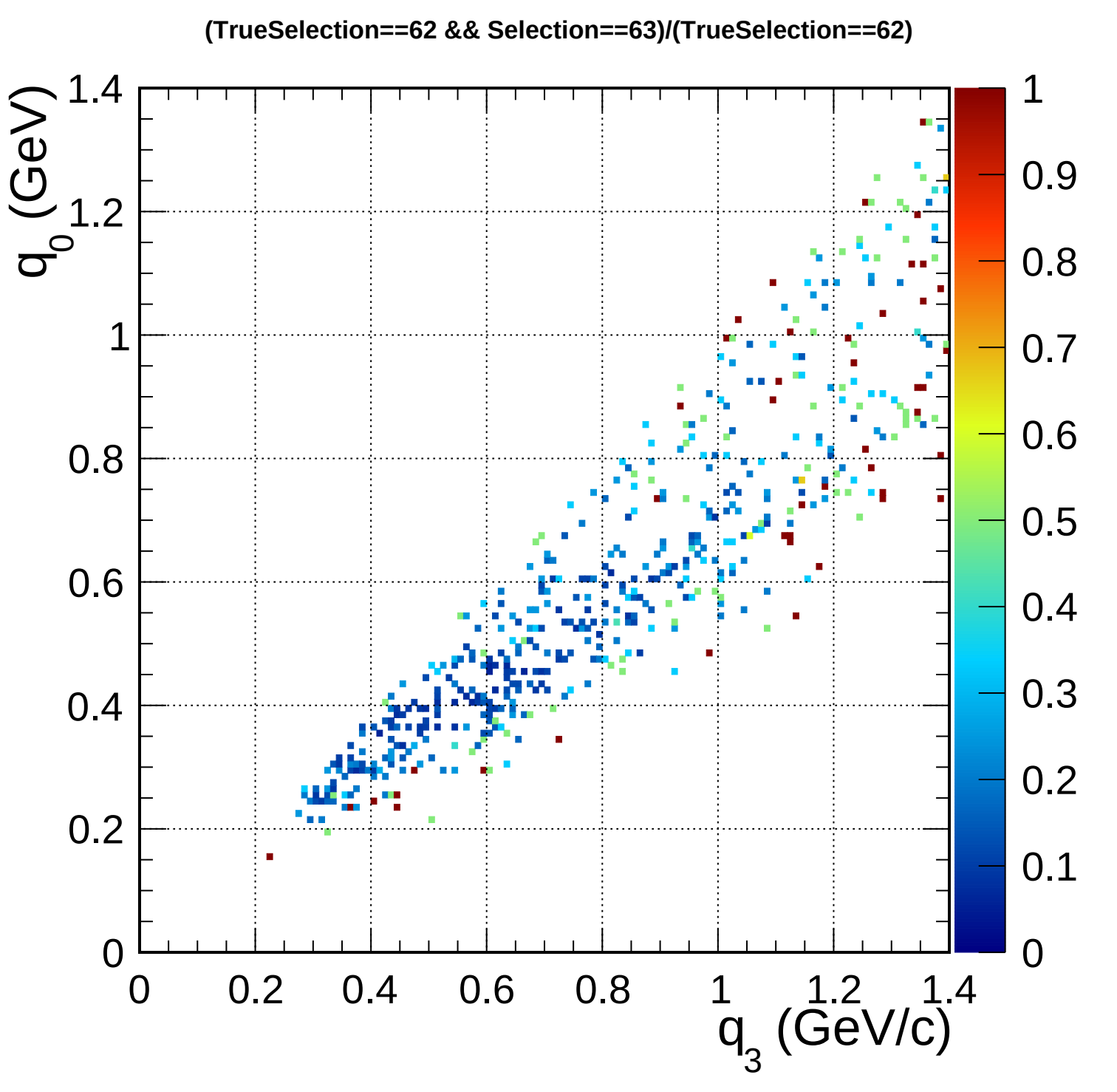

TrueSelection==62 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

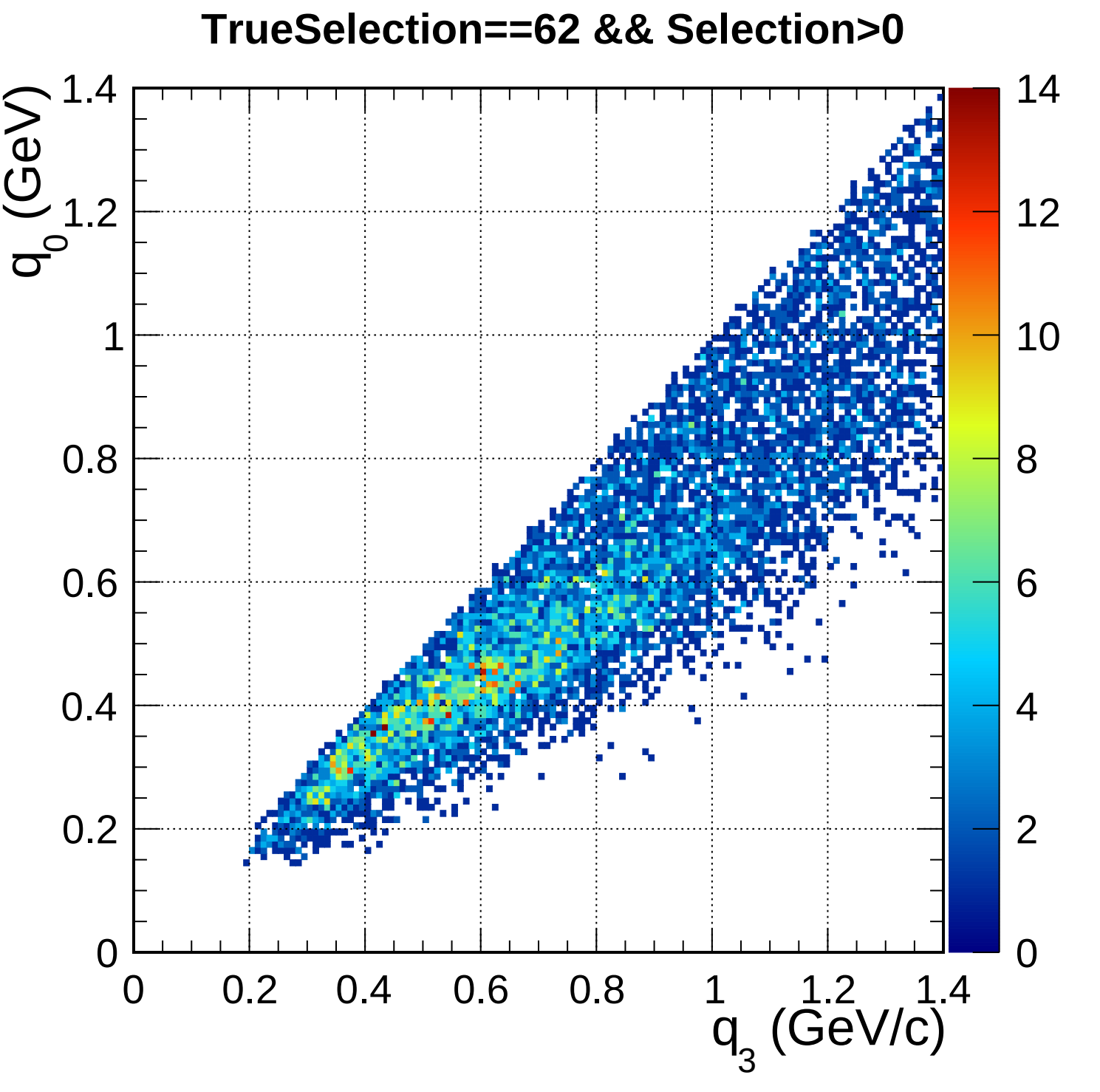

(TrueSelection==62 && Selection==61)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

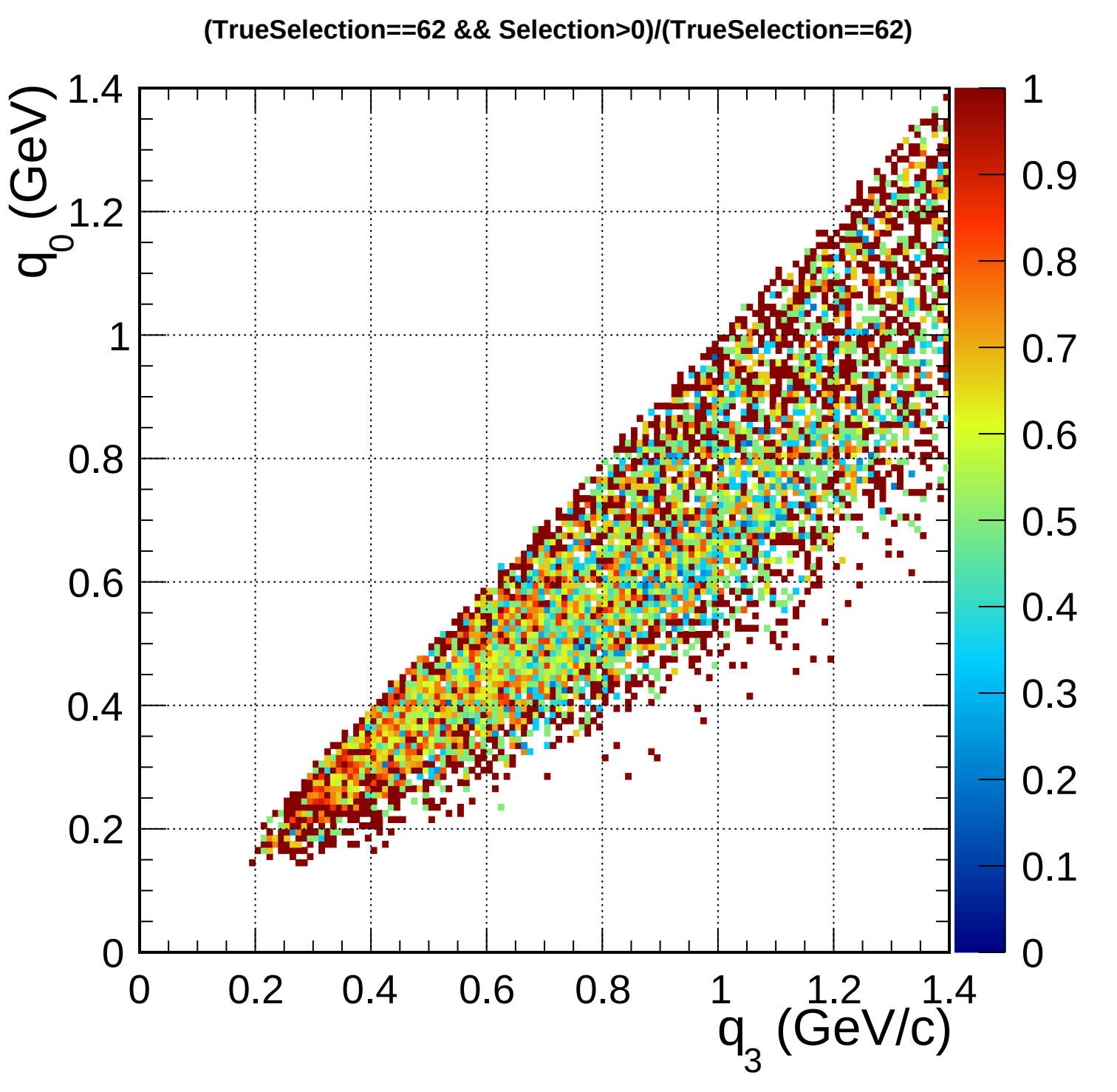

TrueSelection==62 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8

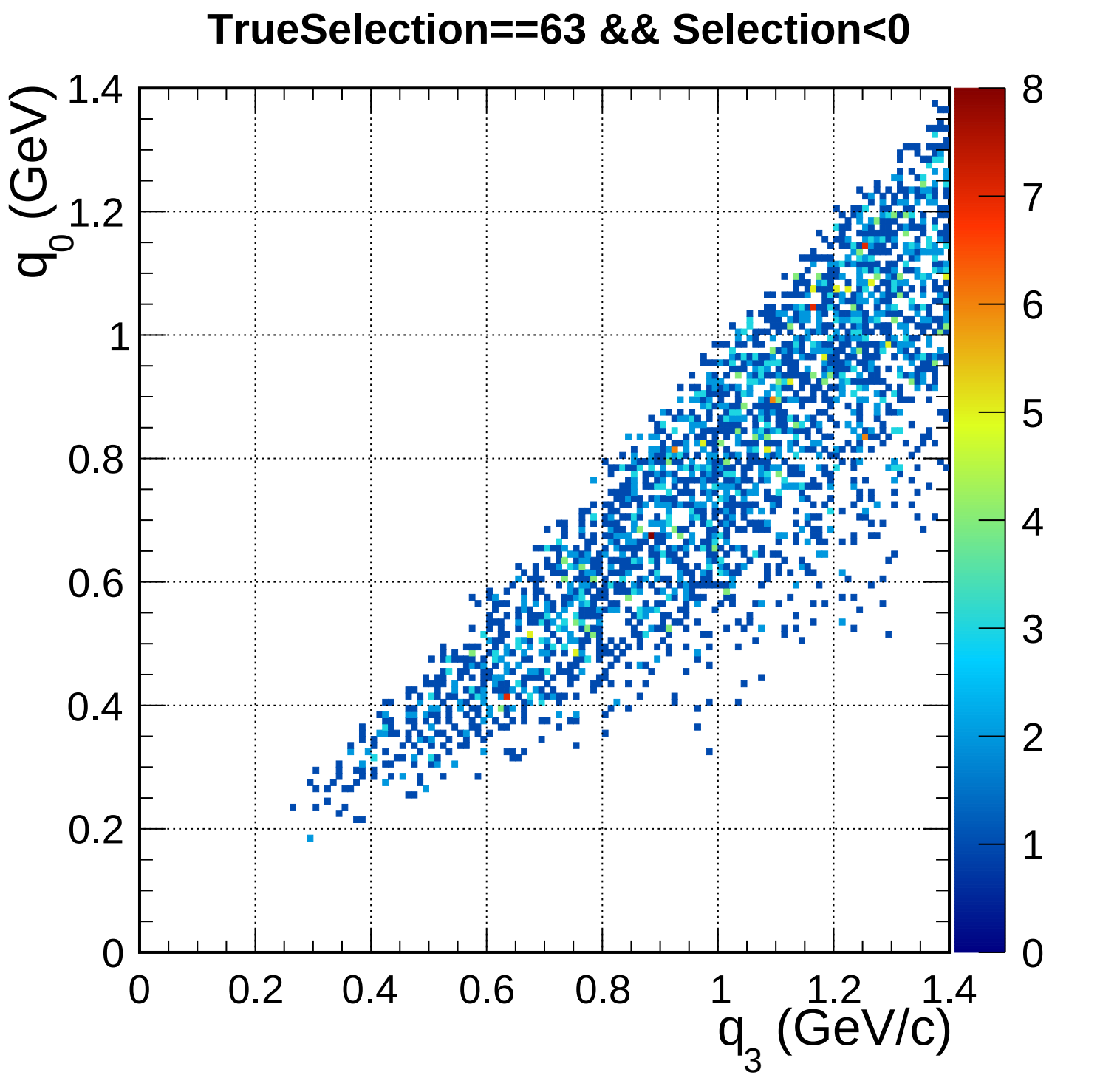

(TrueSelection==62 && Selection==62)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

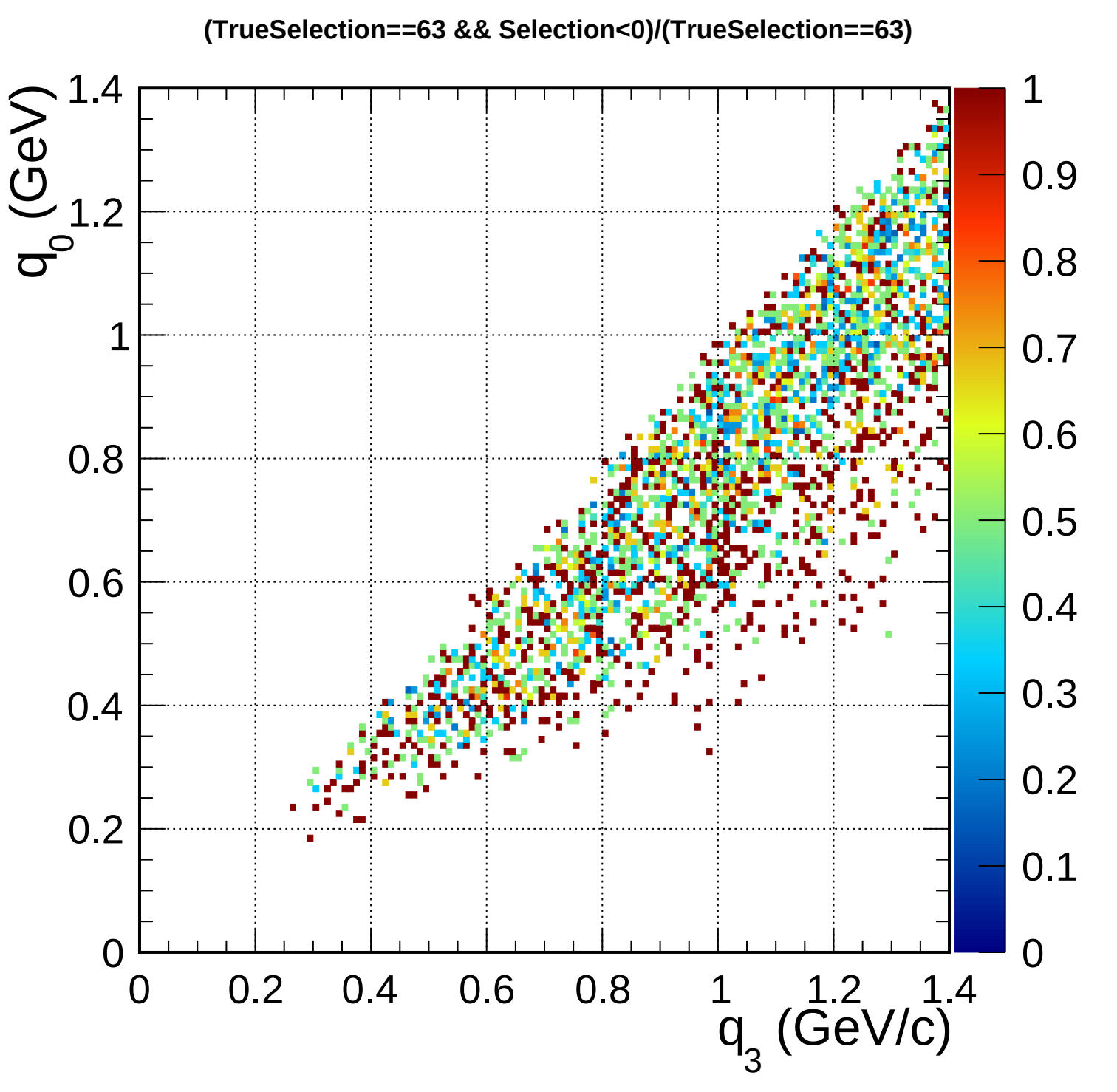

TrueSelection==62 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

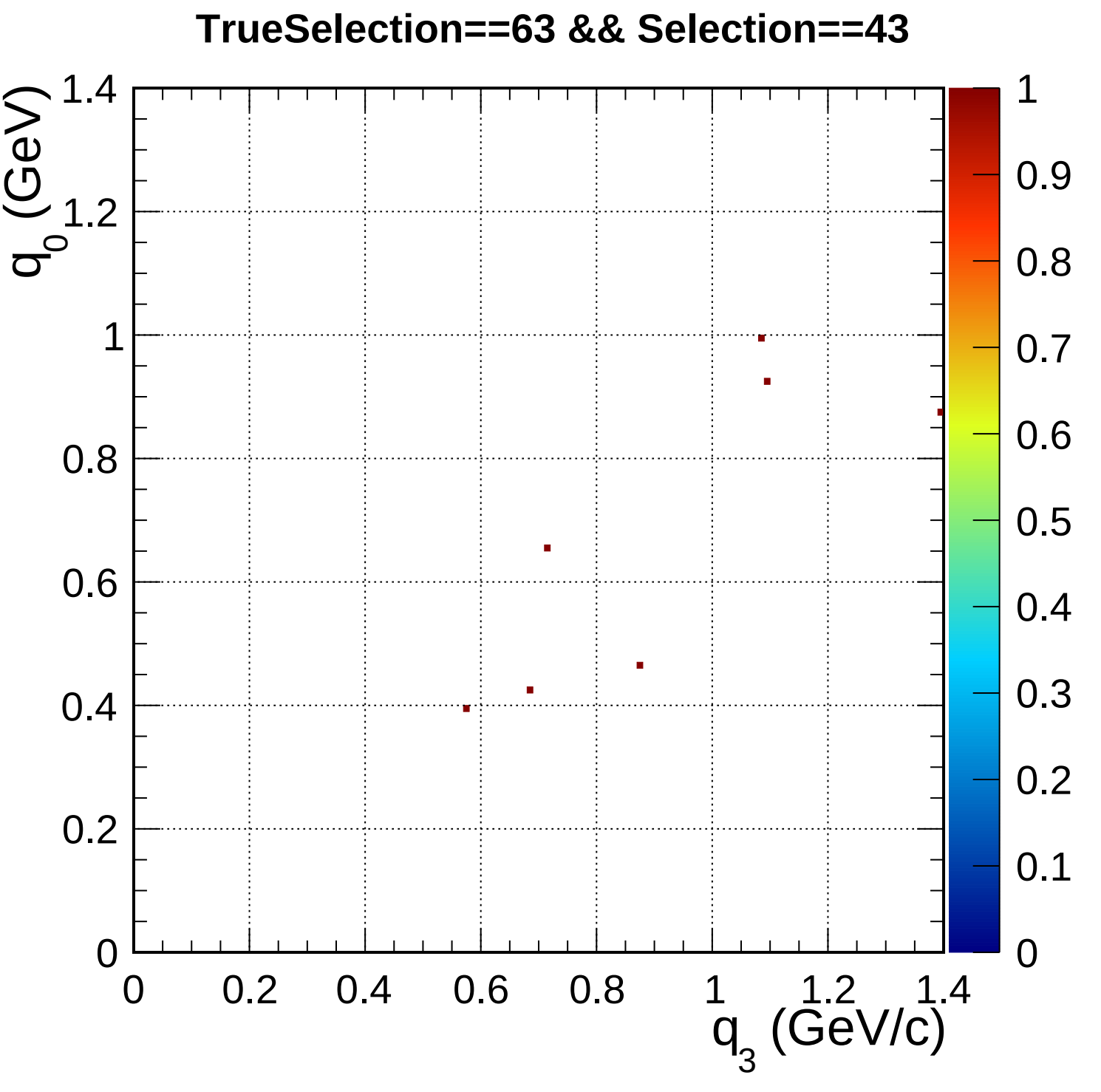

(TrueSelection==62 && Selection==63)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

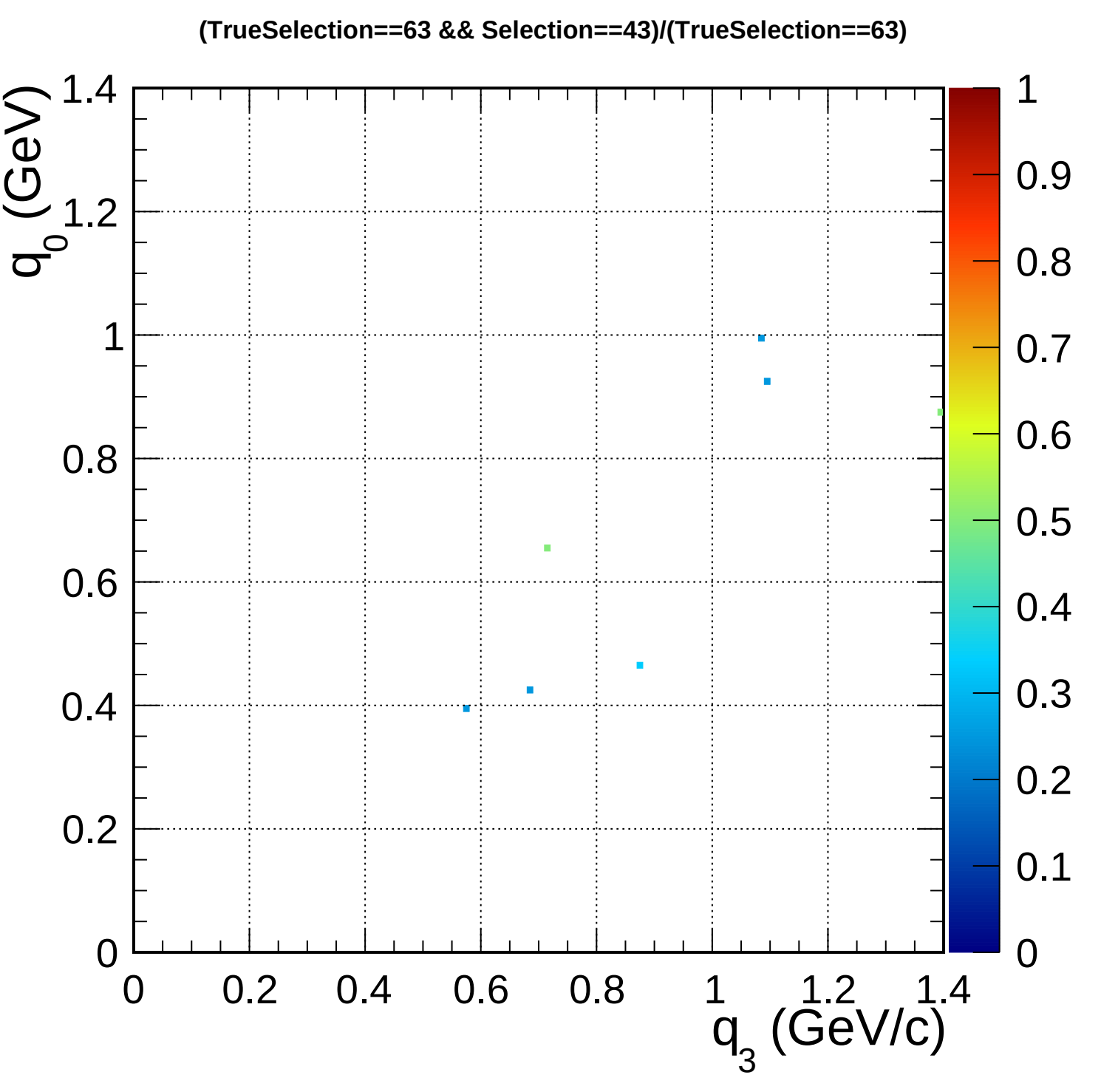

TrueSelection==62 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14

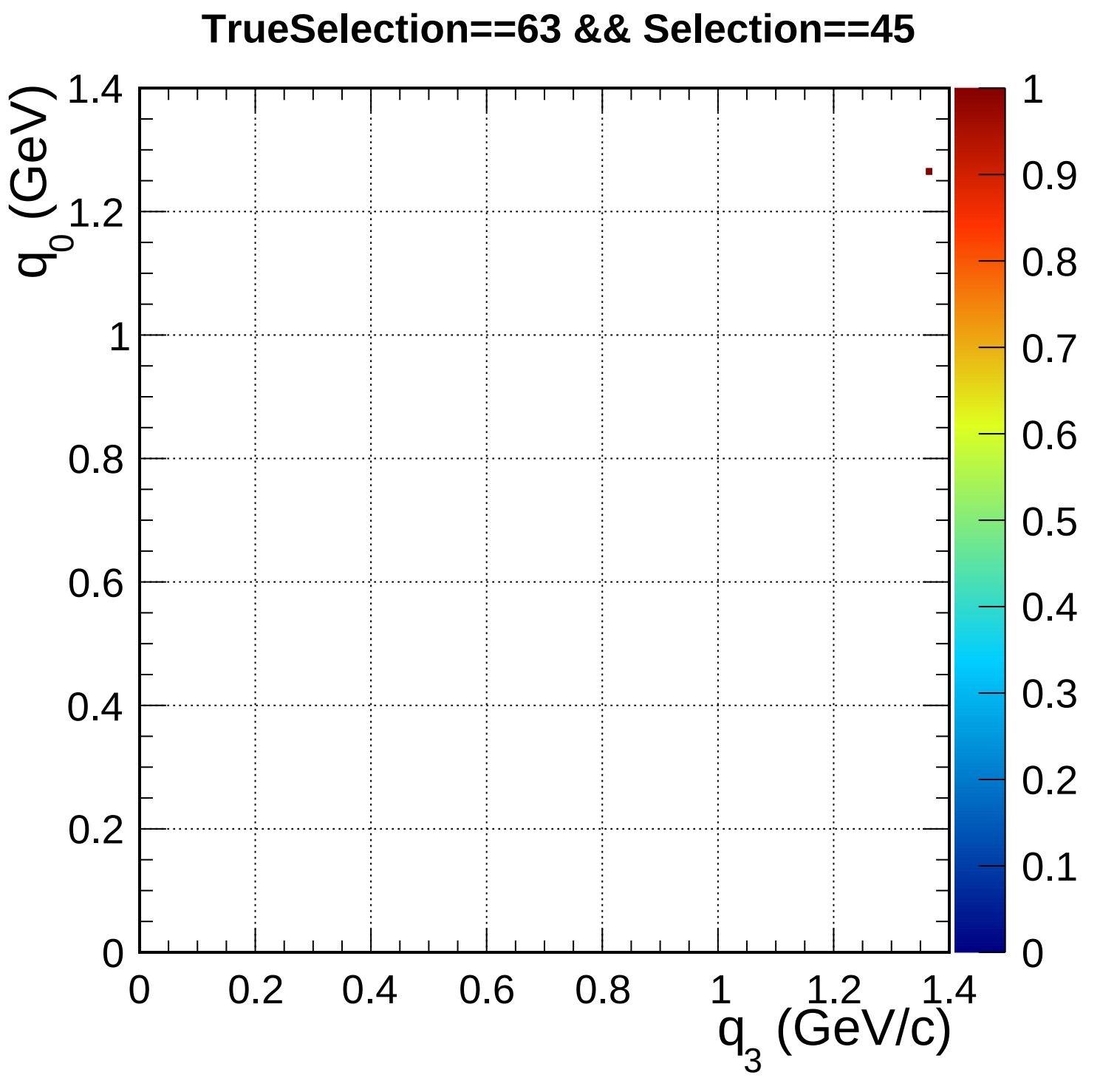

(TrueSelection==62 && Selection>0)/(TrueSelection==62)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

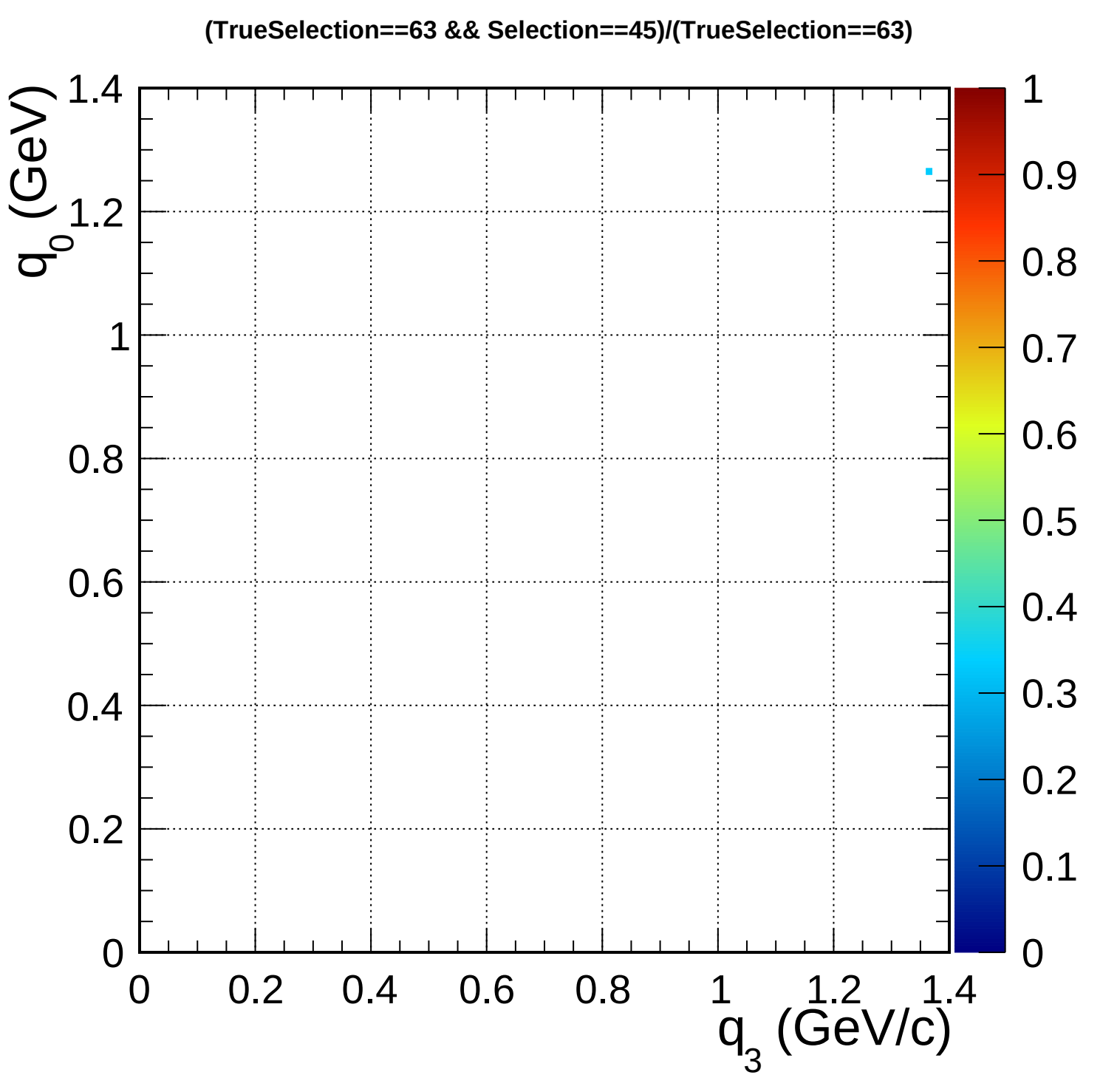

TrueSelection==63 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8

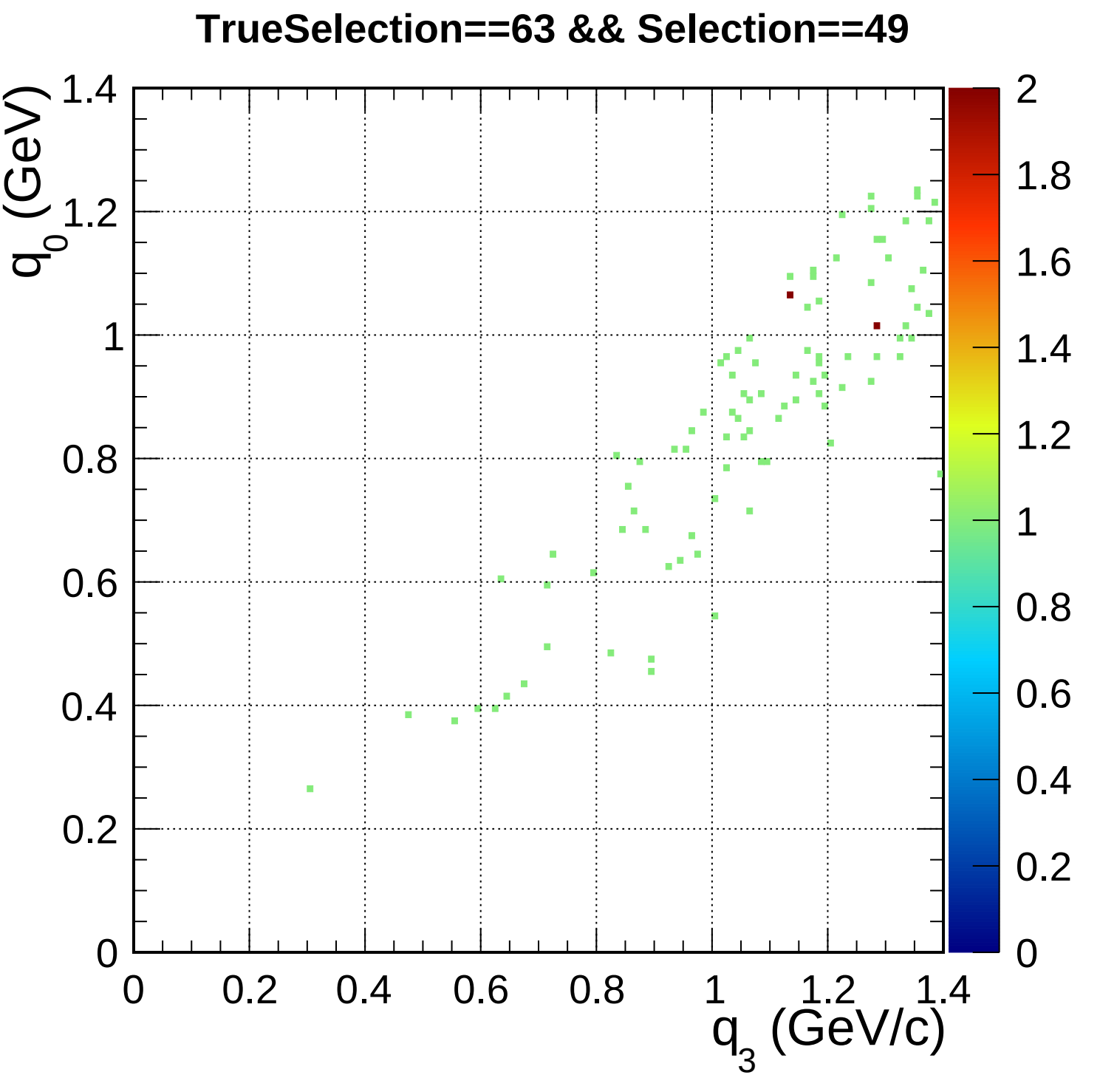

(TrueSelection==63 && Selection<0)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

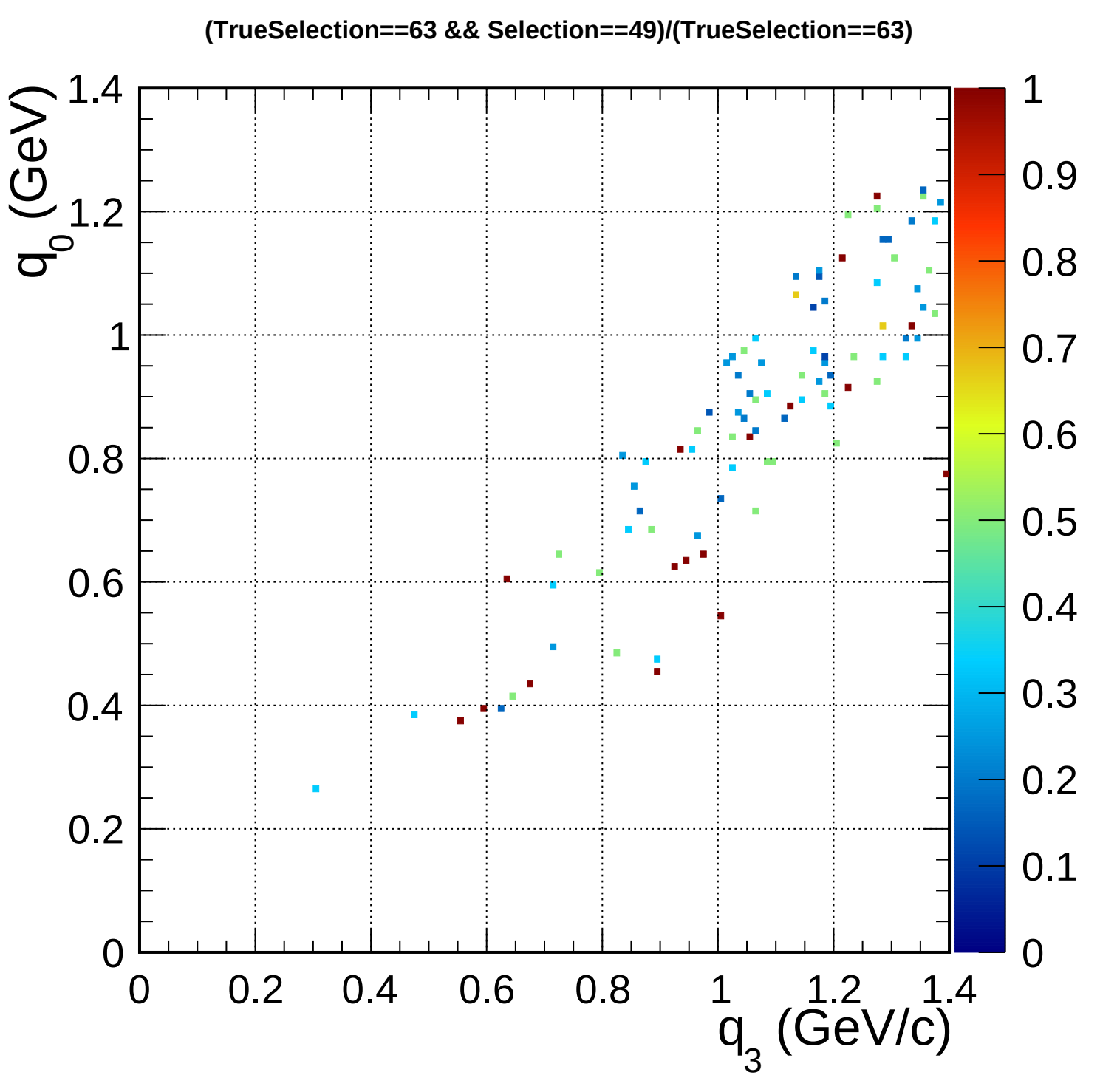

TrueSelection==63 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

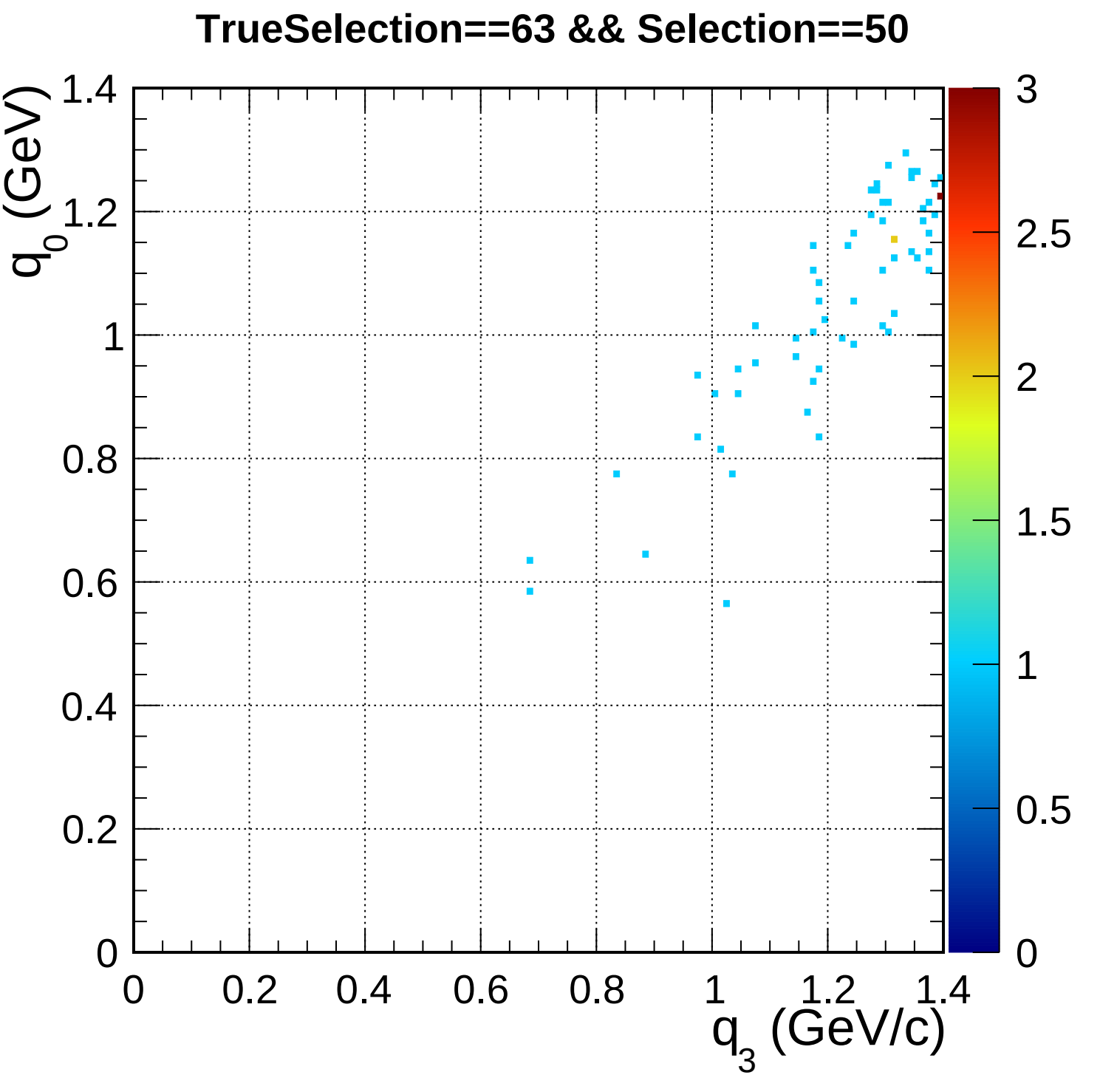

(TrueSelection==63 && Selection==43)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

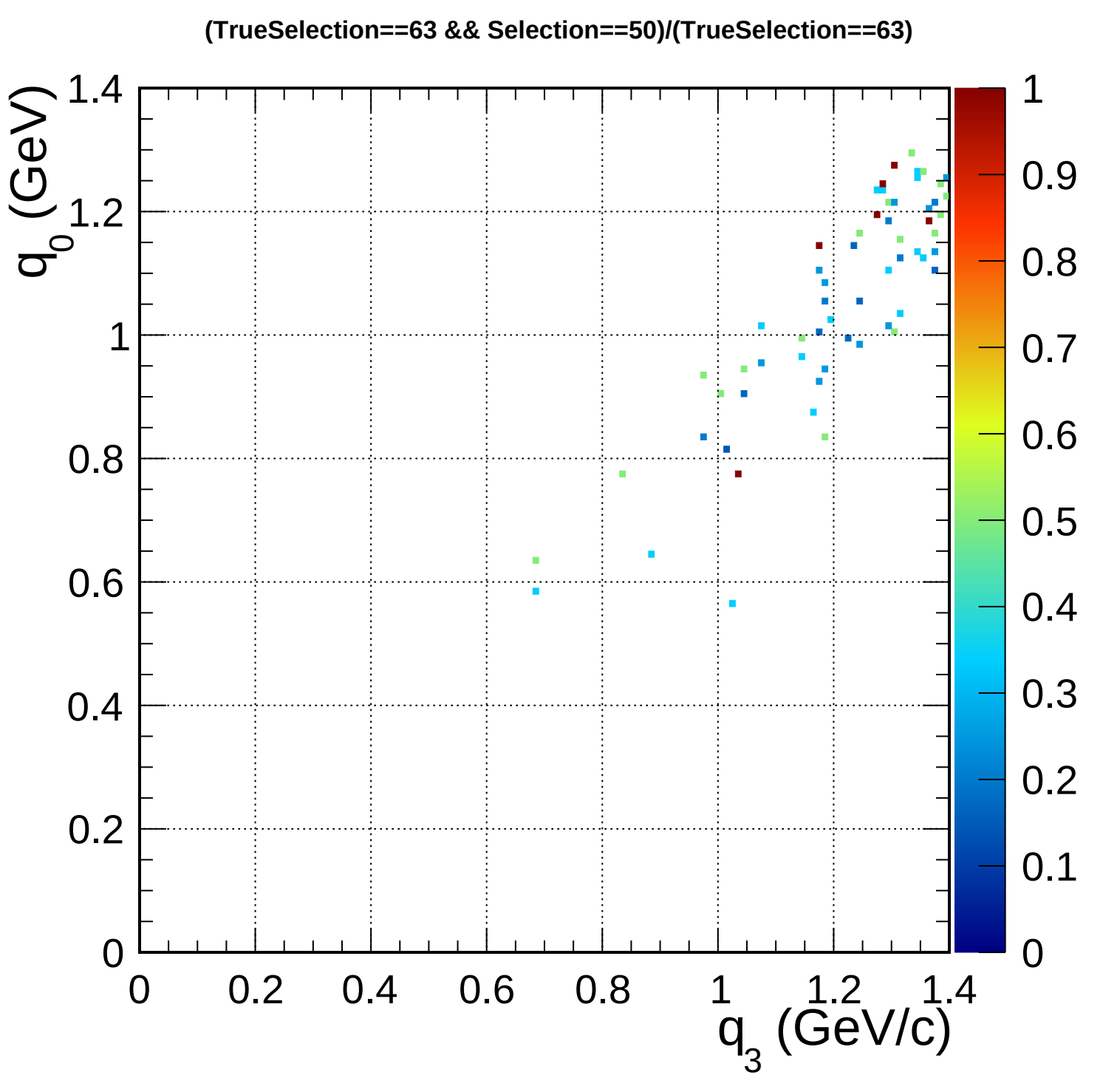

TrueSelection==63 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

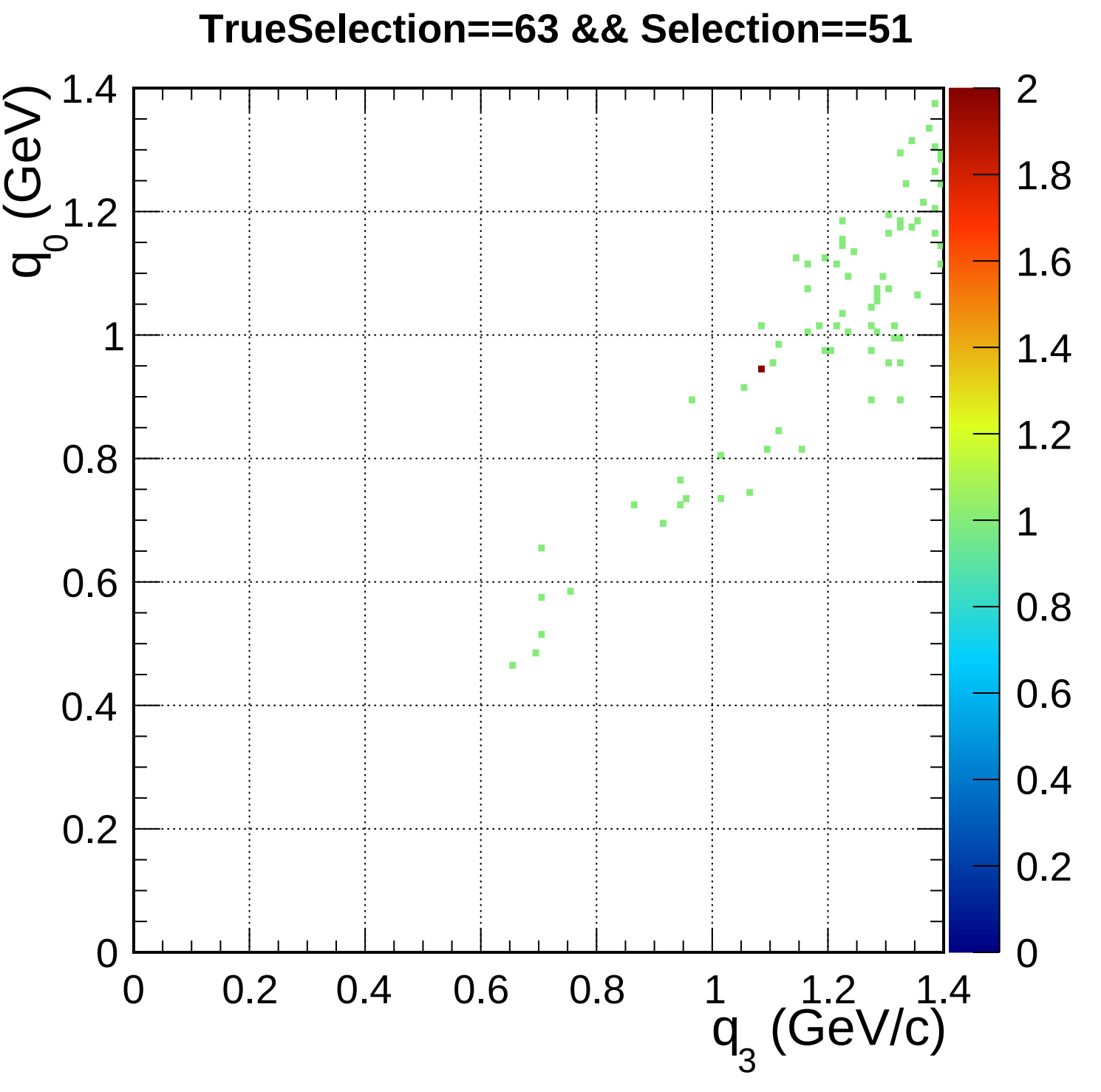

(TrueSelection==63 && Selection==45)/(TrueSelection==63)
q_0 (GeV)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
q_3 (GeV/c)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

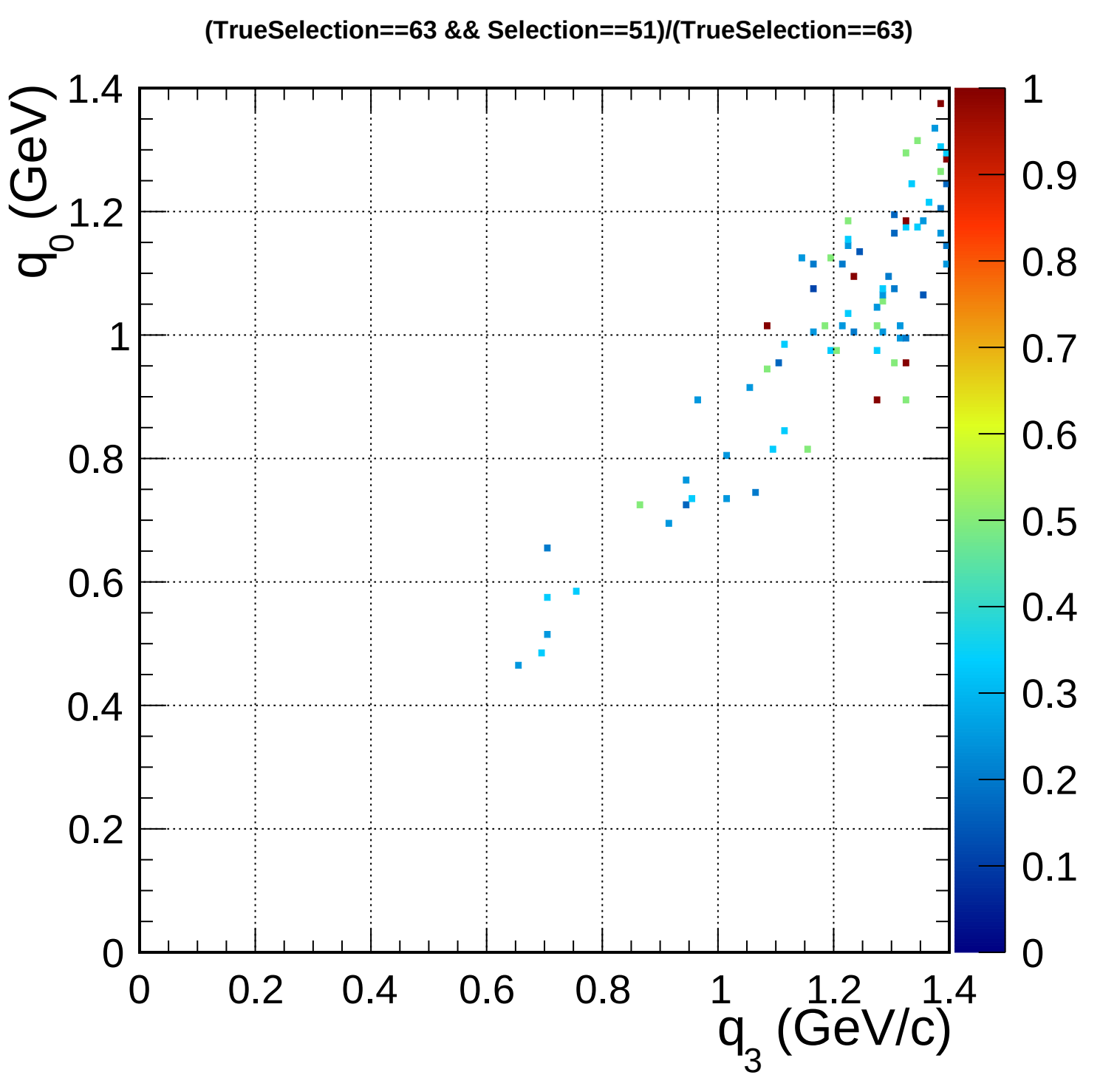

TrueSelection==63 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

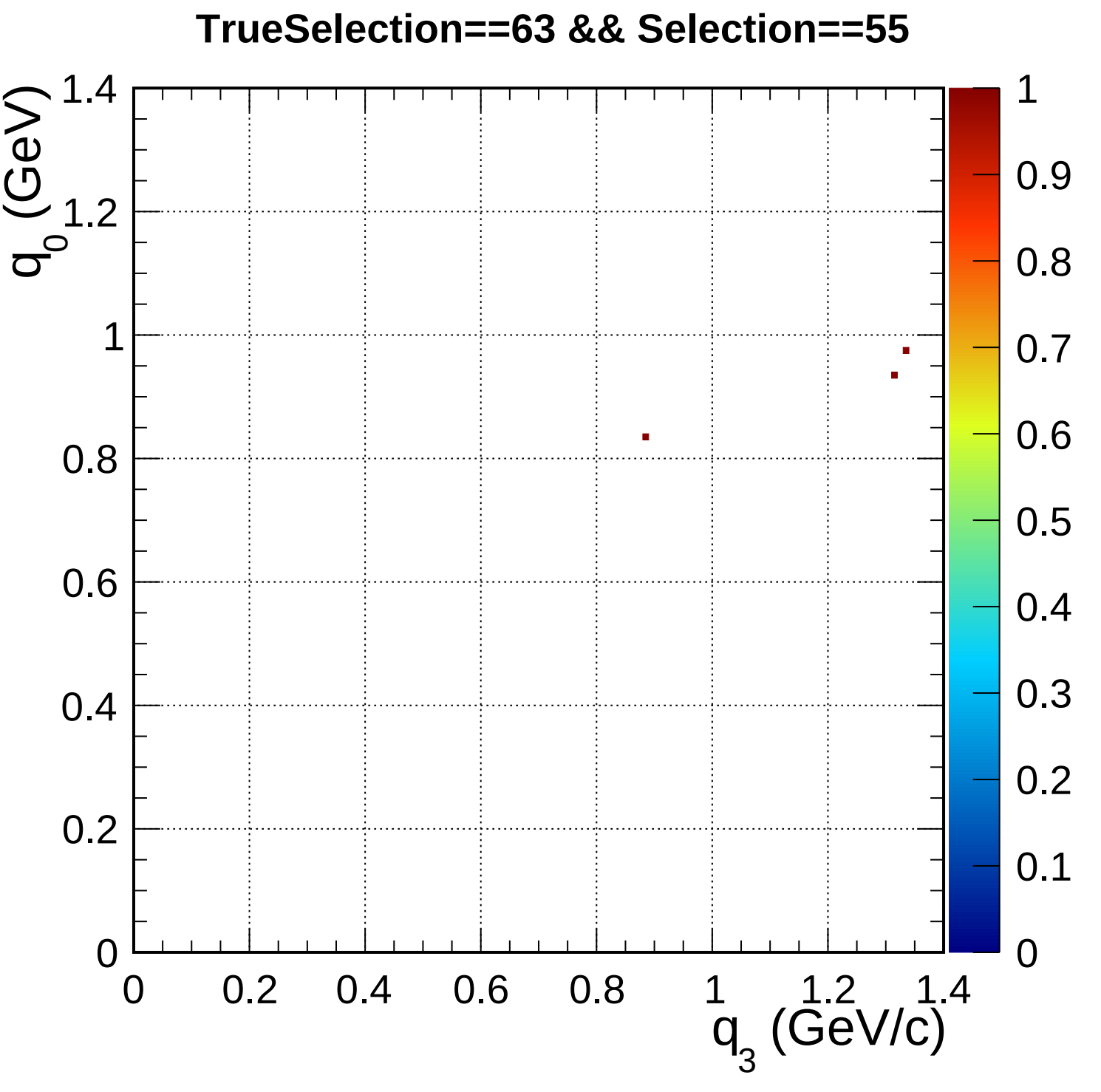

(TrueSelection==63 && Selection==49)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

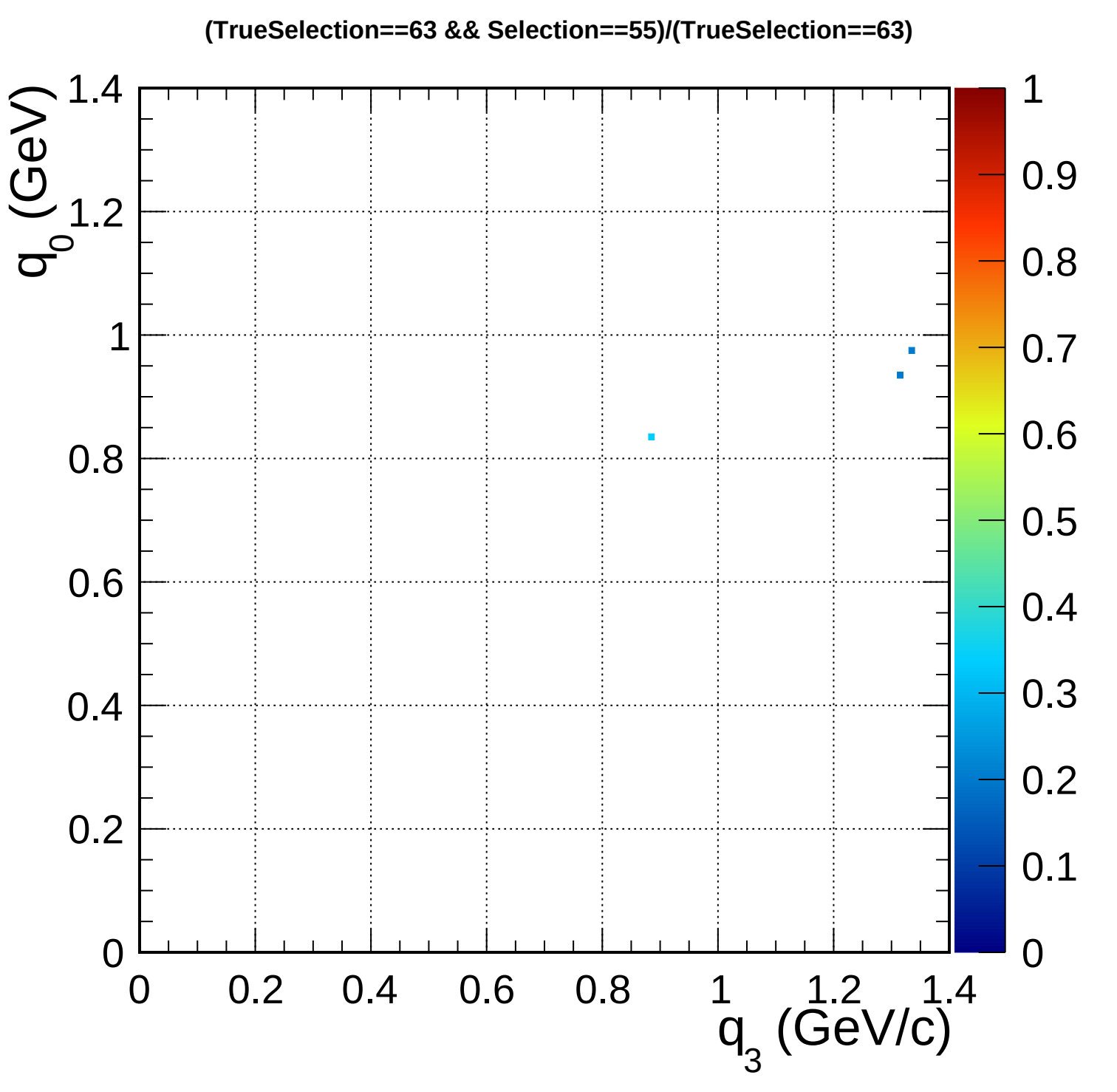

TrueSelection==63 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3

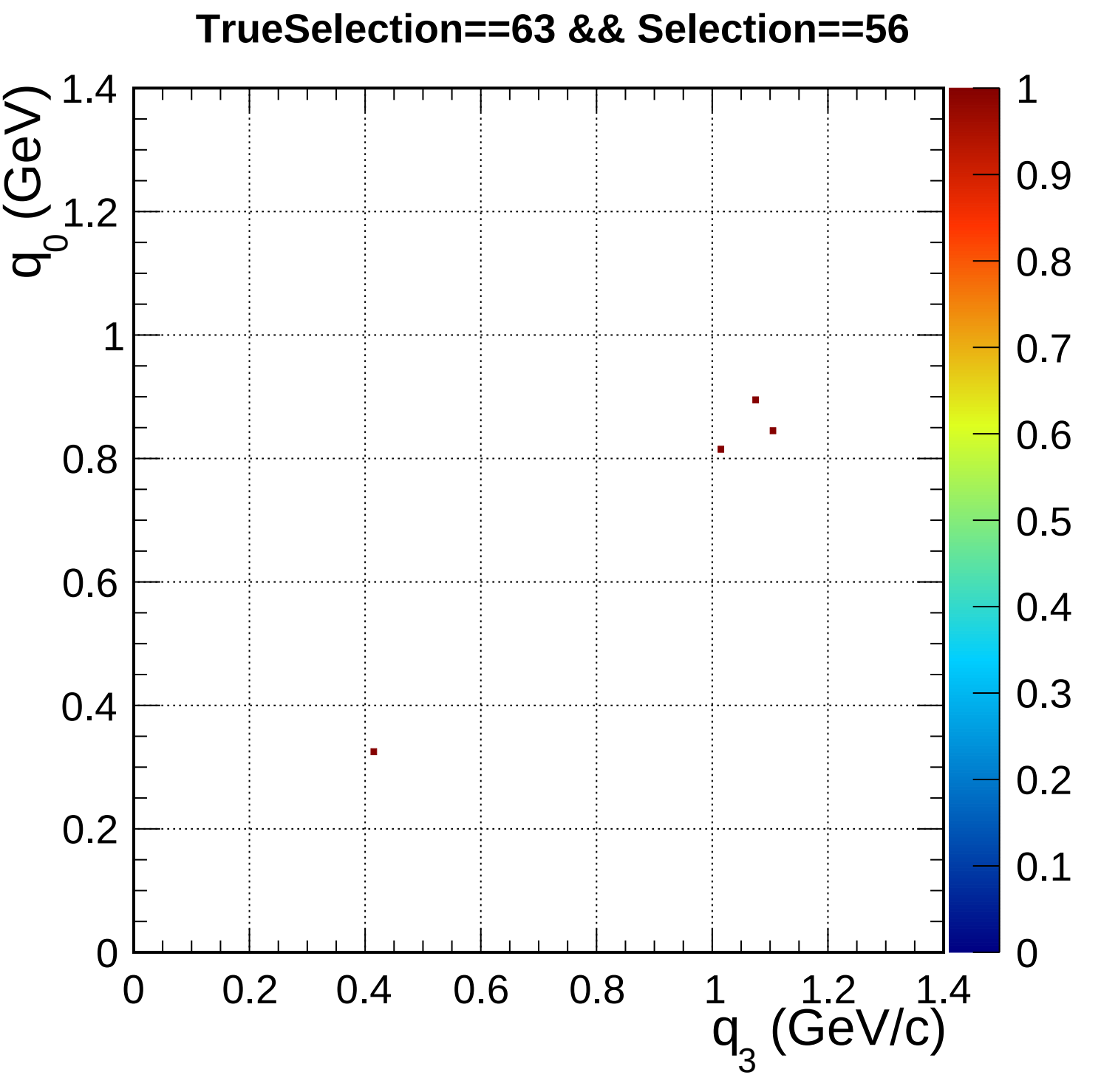

(TrueSelection==63 && Selection==50)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

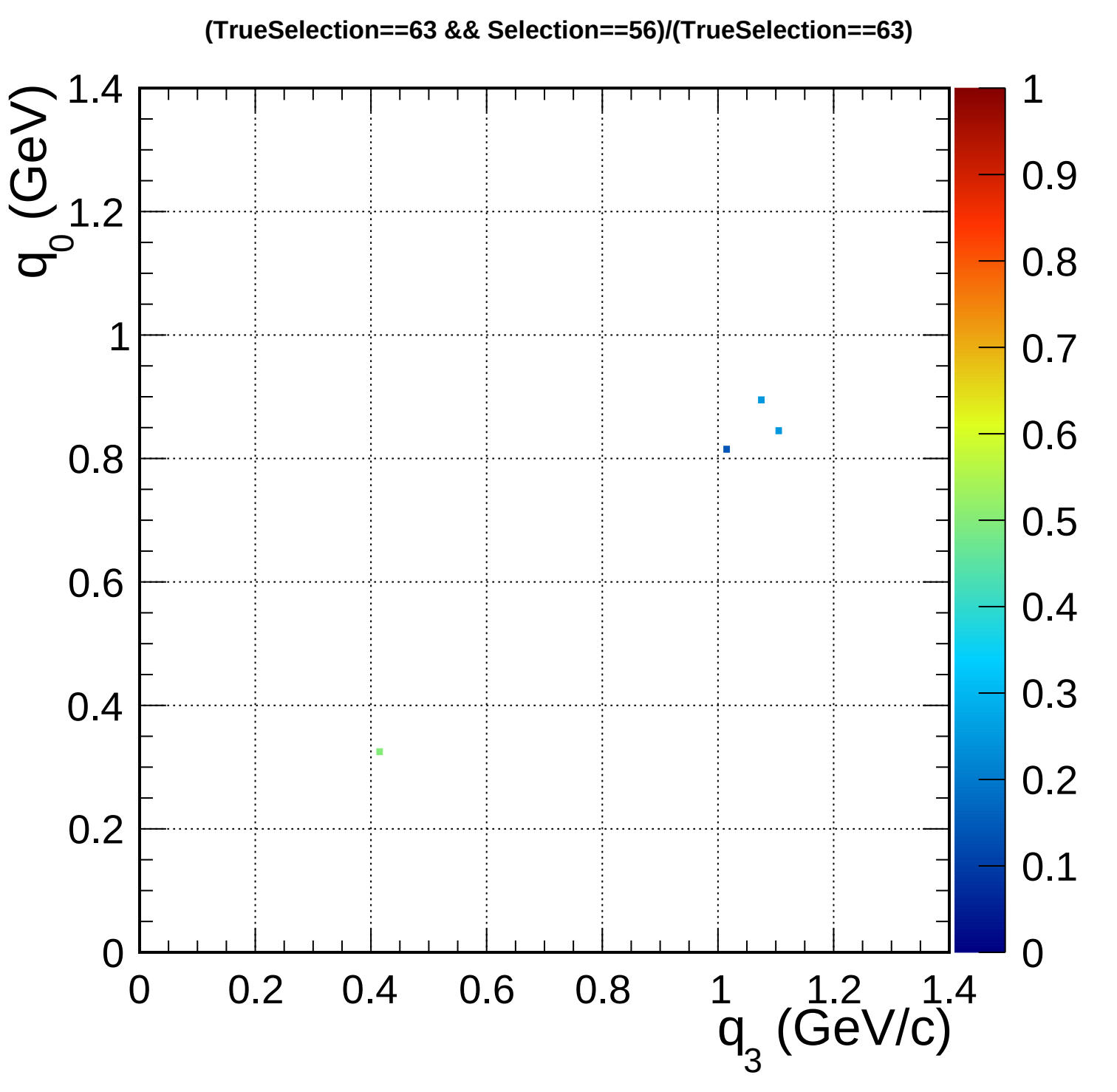

TrueSelection==63 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

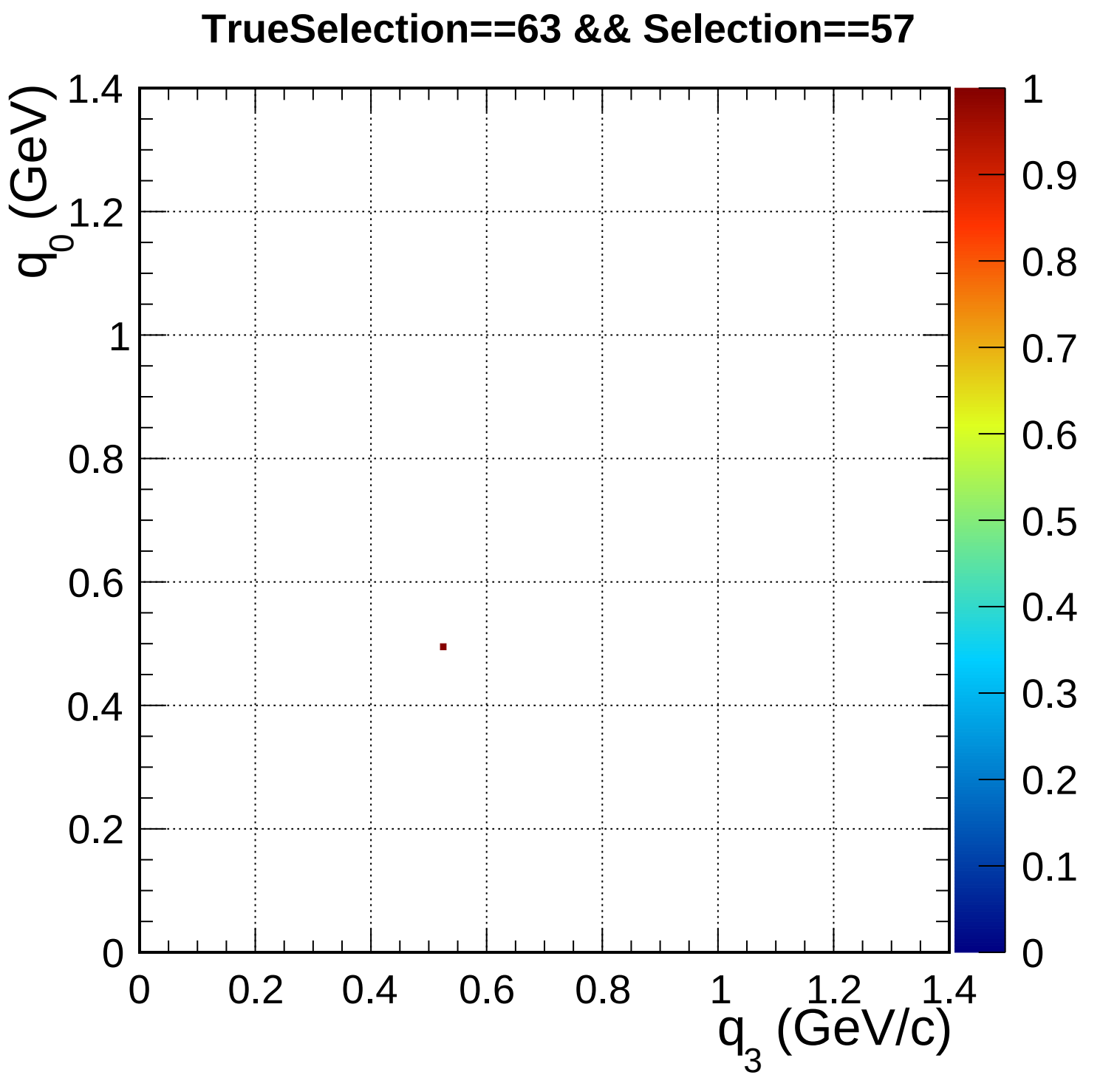

(TrueSelection==63 && Selection==51)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

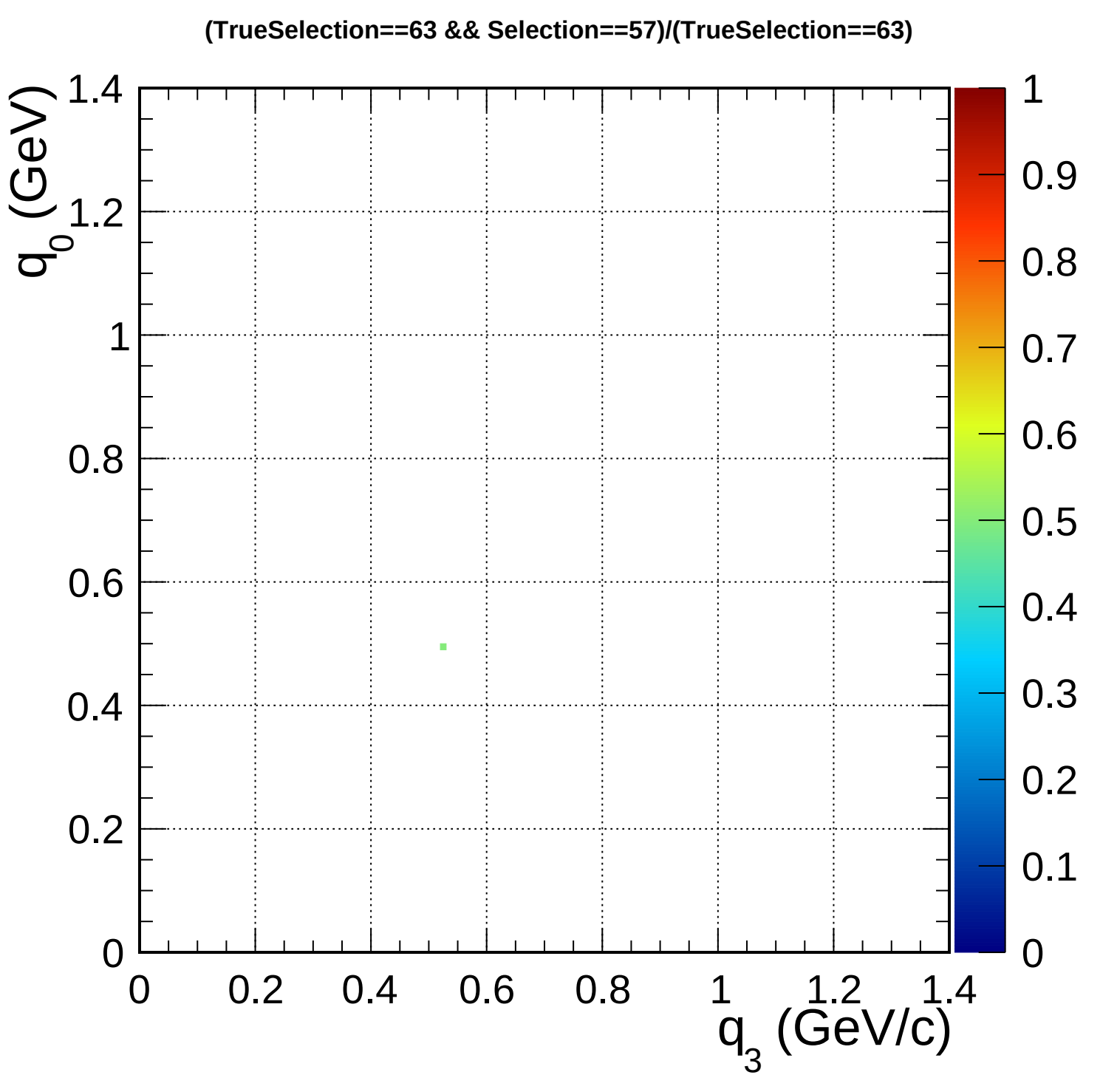

TrueSelection==63 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

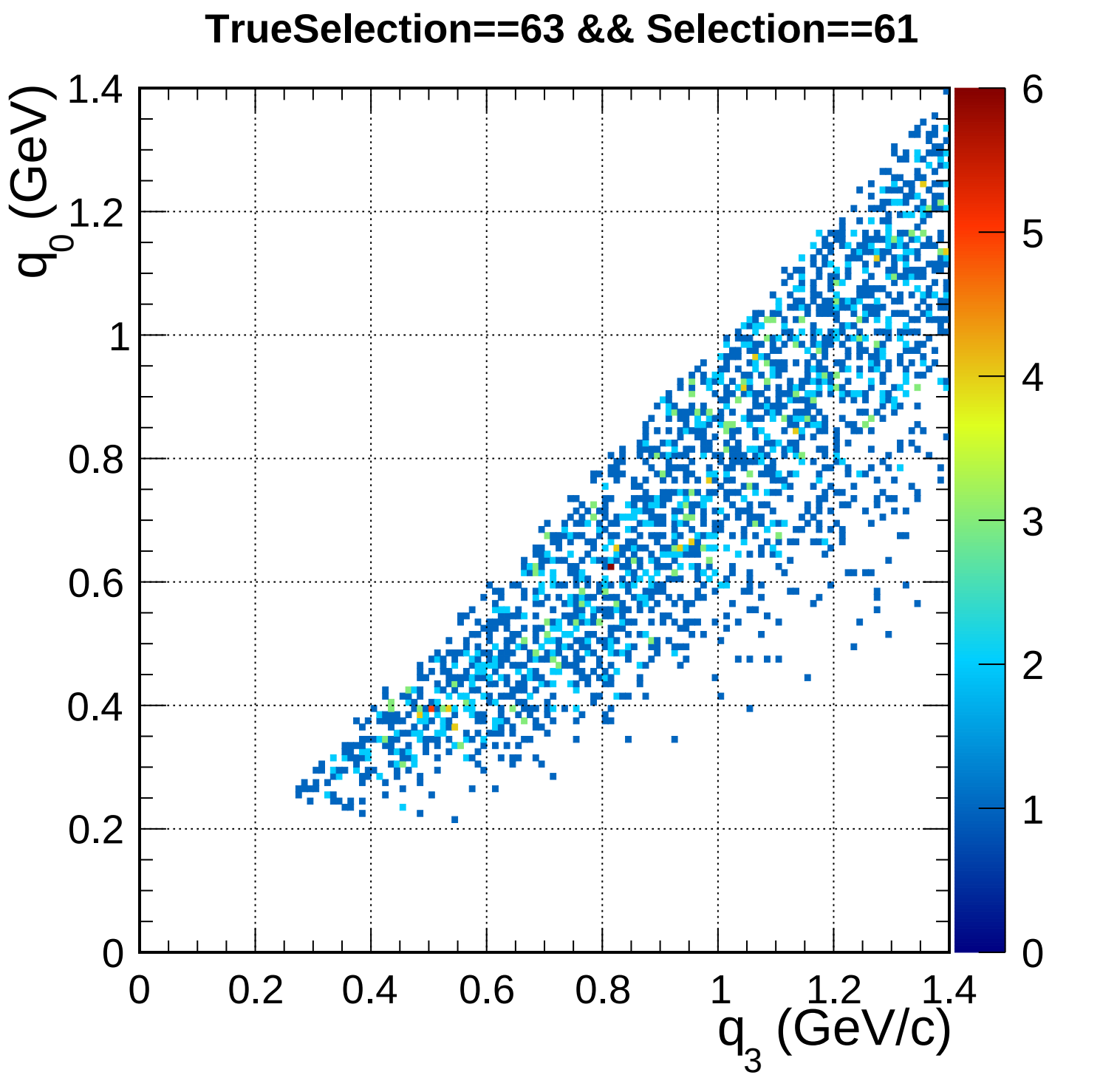

(TrueSelection==63 && Selection==55)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

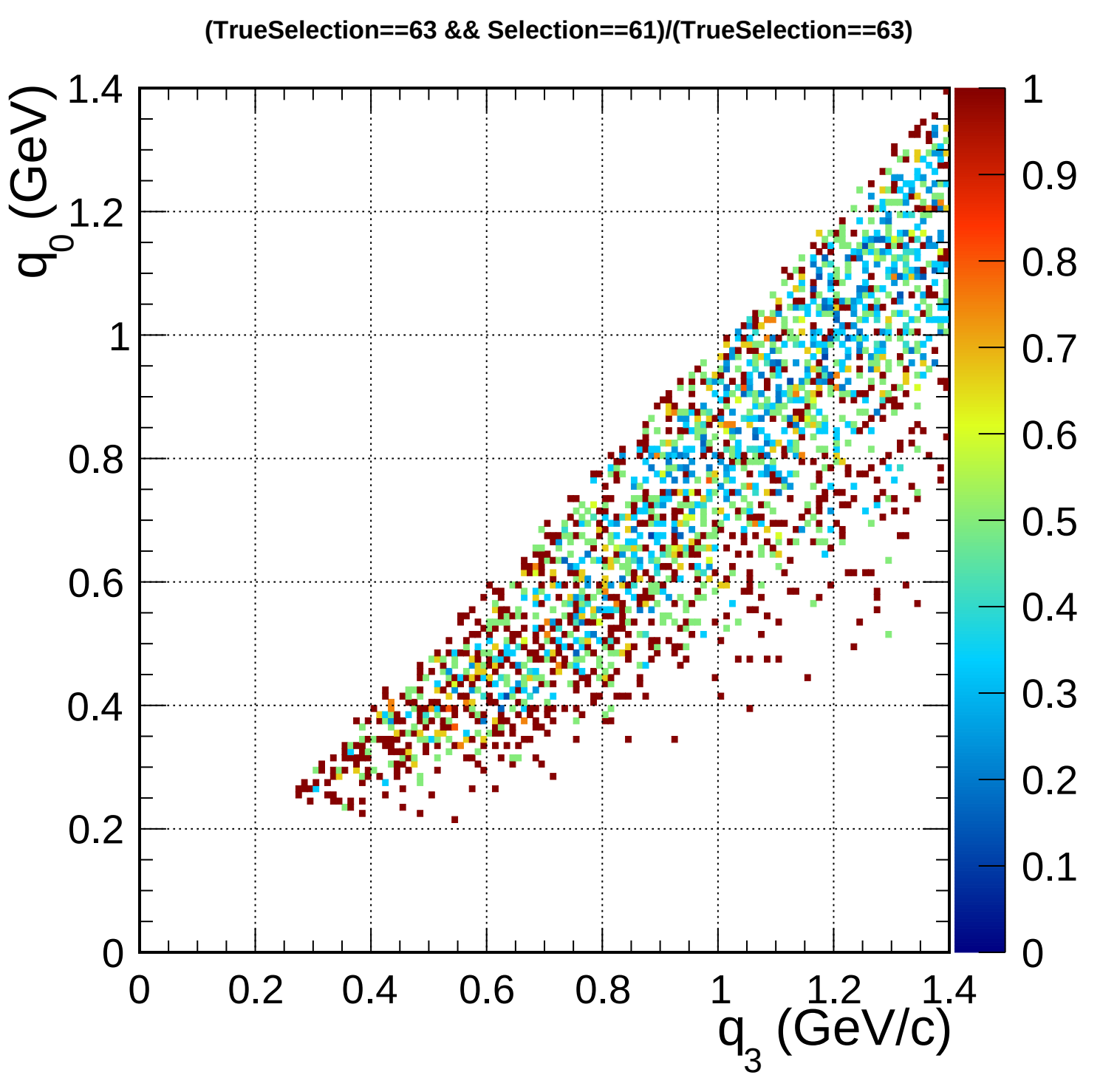

TrueSelection==63 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

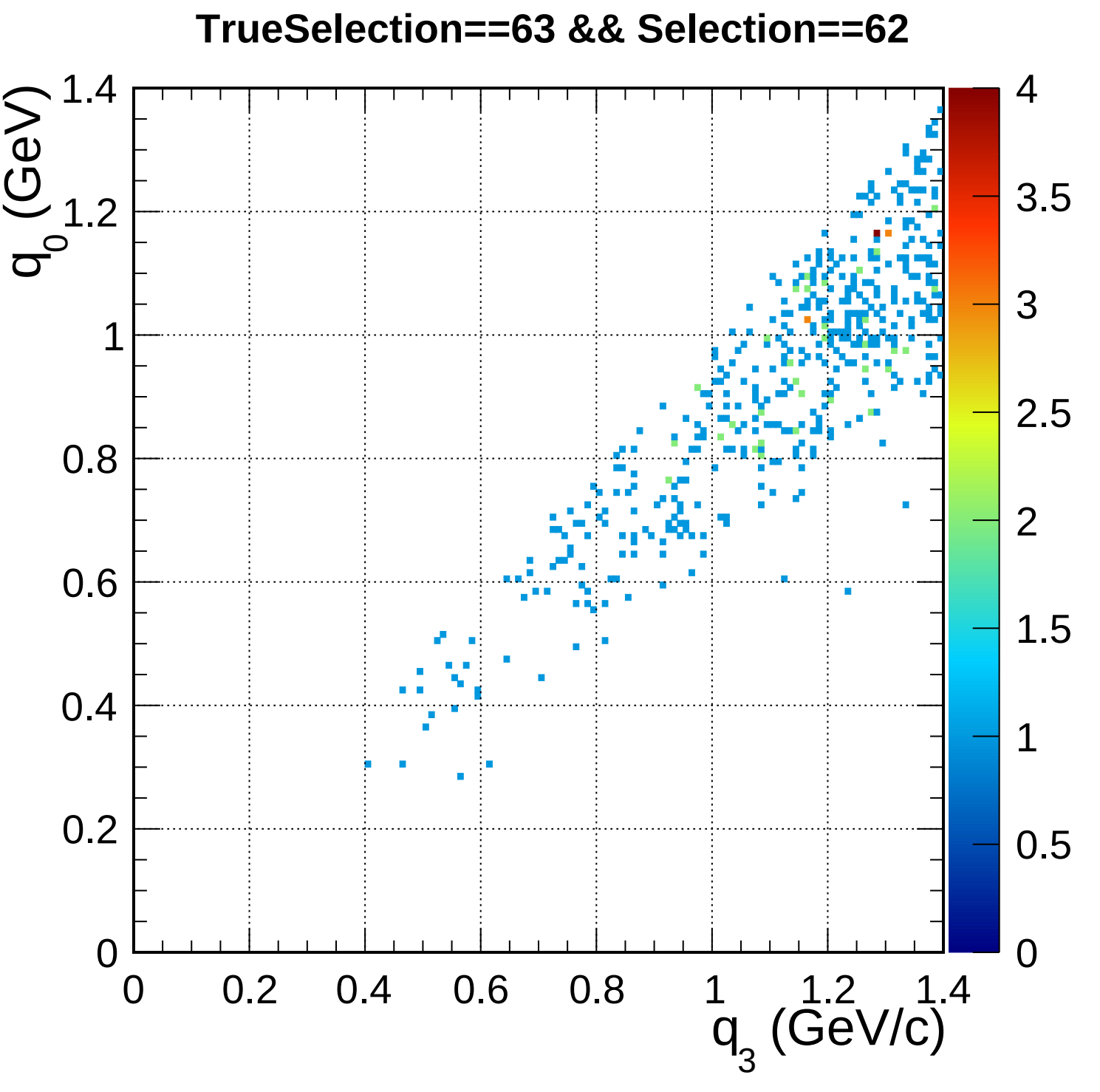

(TrueSelection==63 && Selection==56)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

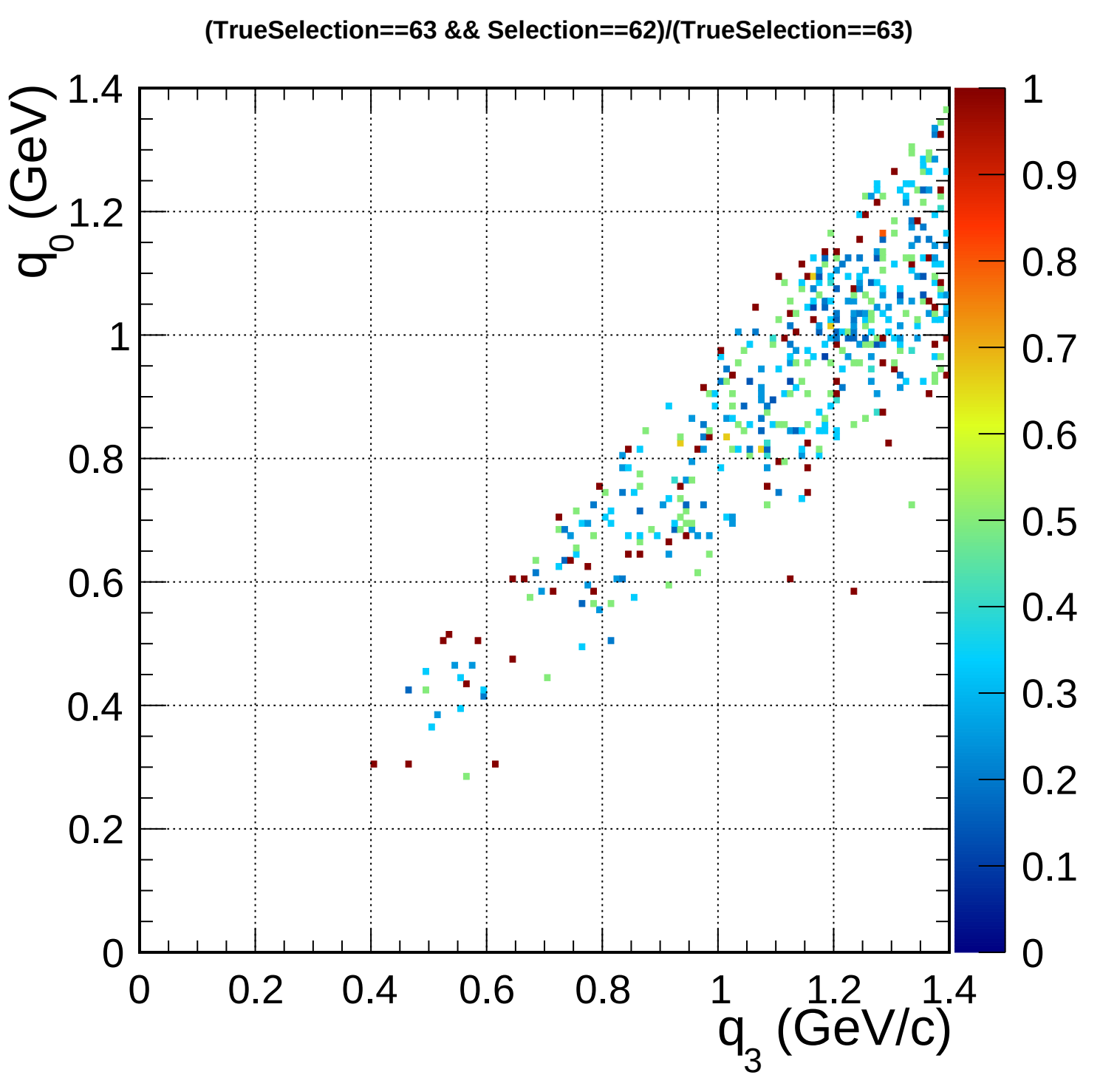

TrueSelection==63 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

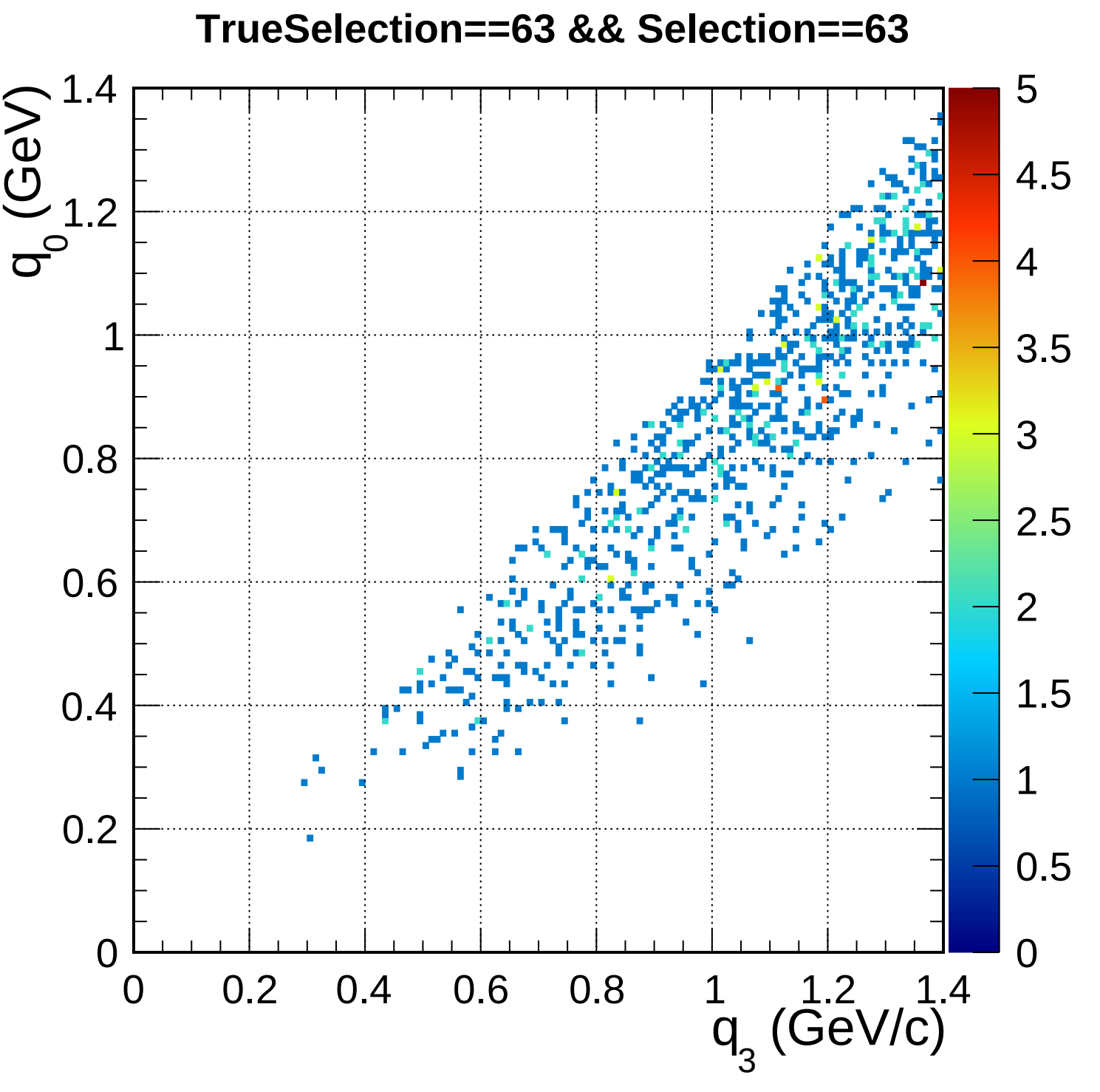

(TrueSelection==63 && Selection==57)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

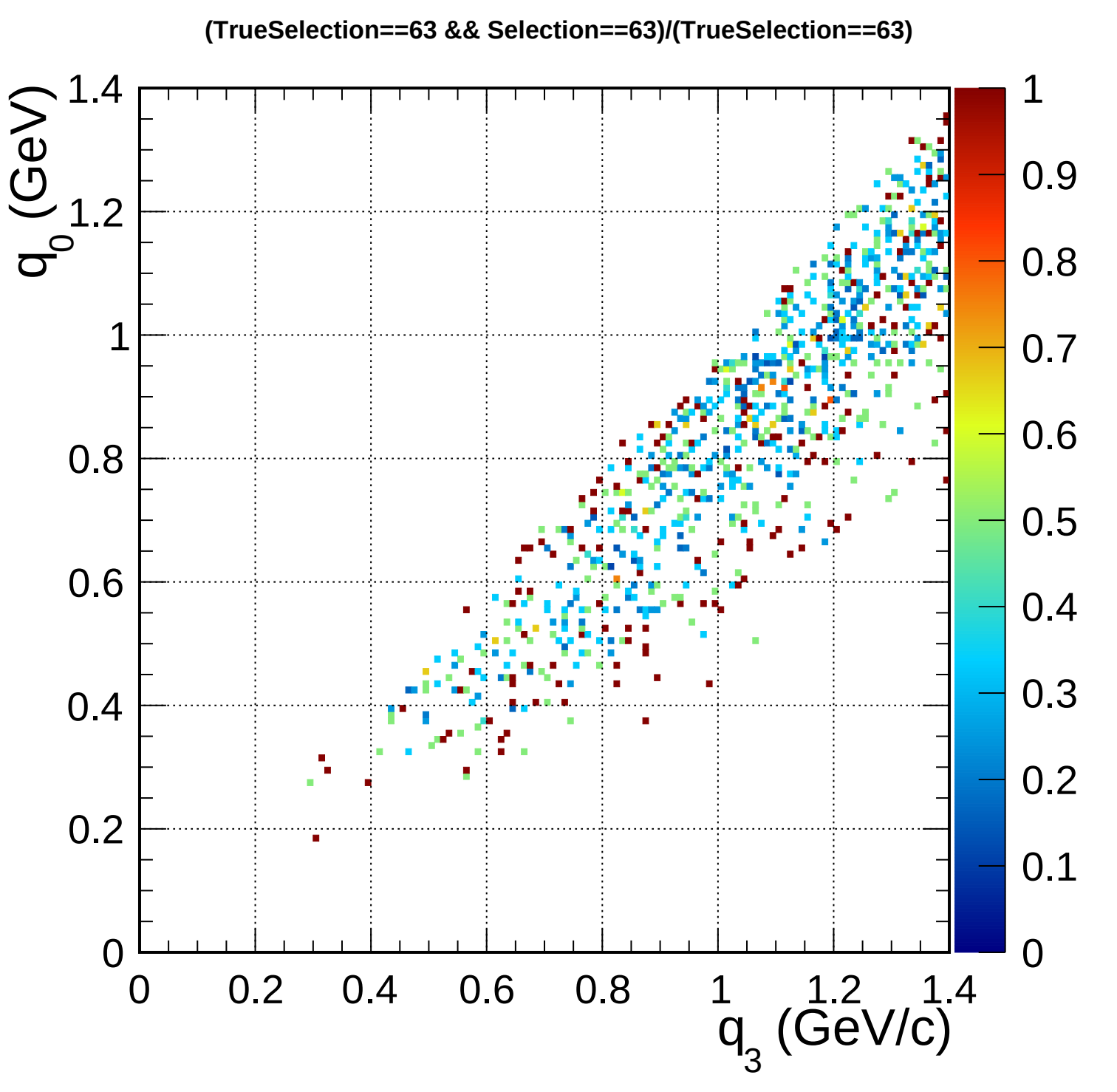

TrueSelection==63 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6

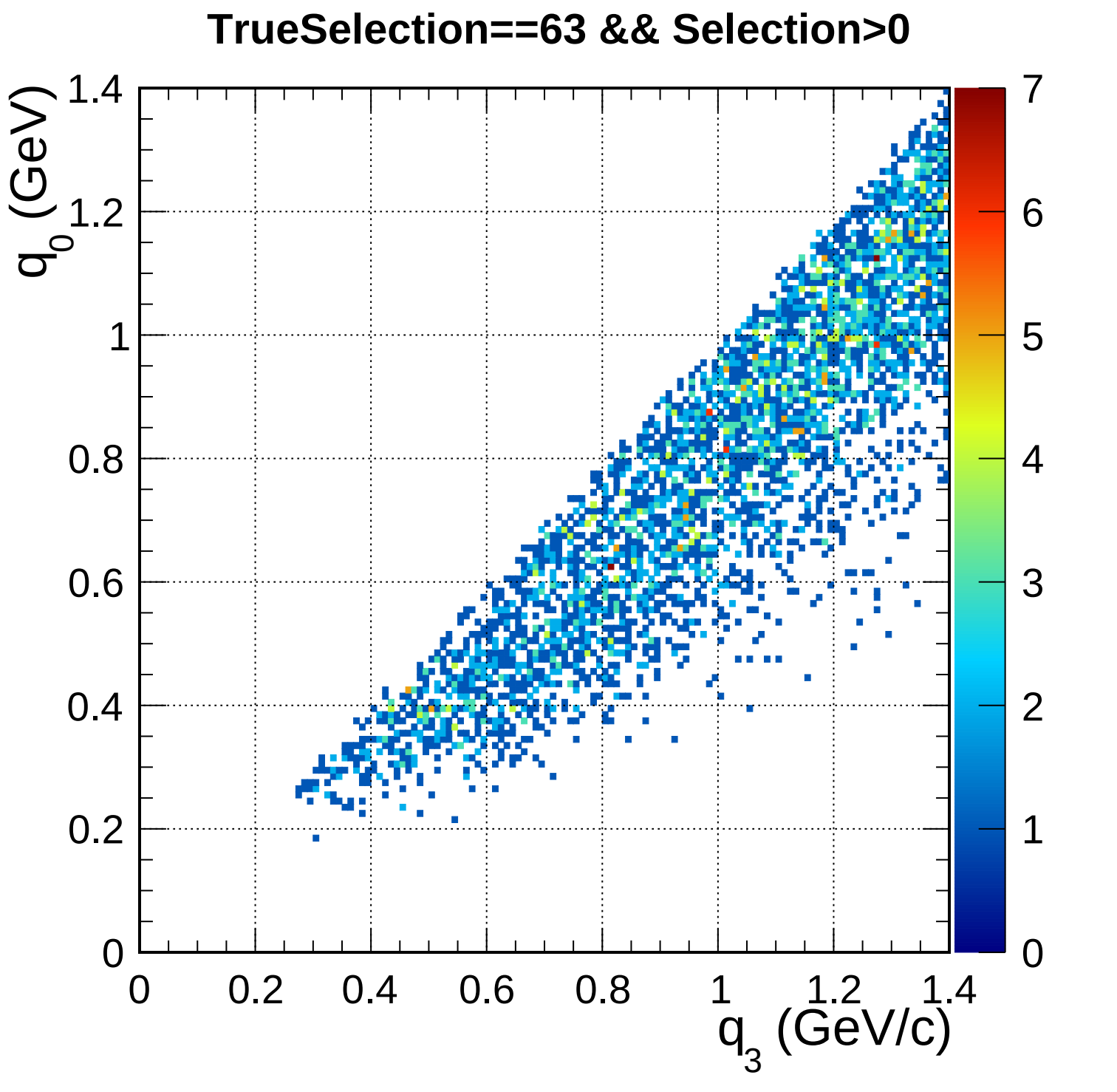

(TrueSelection==63 && Selection==61)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

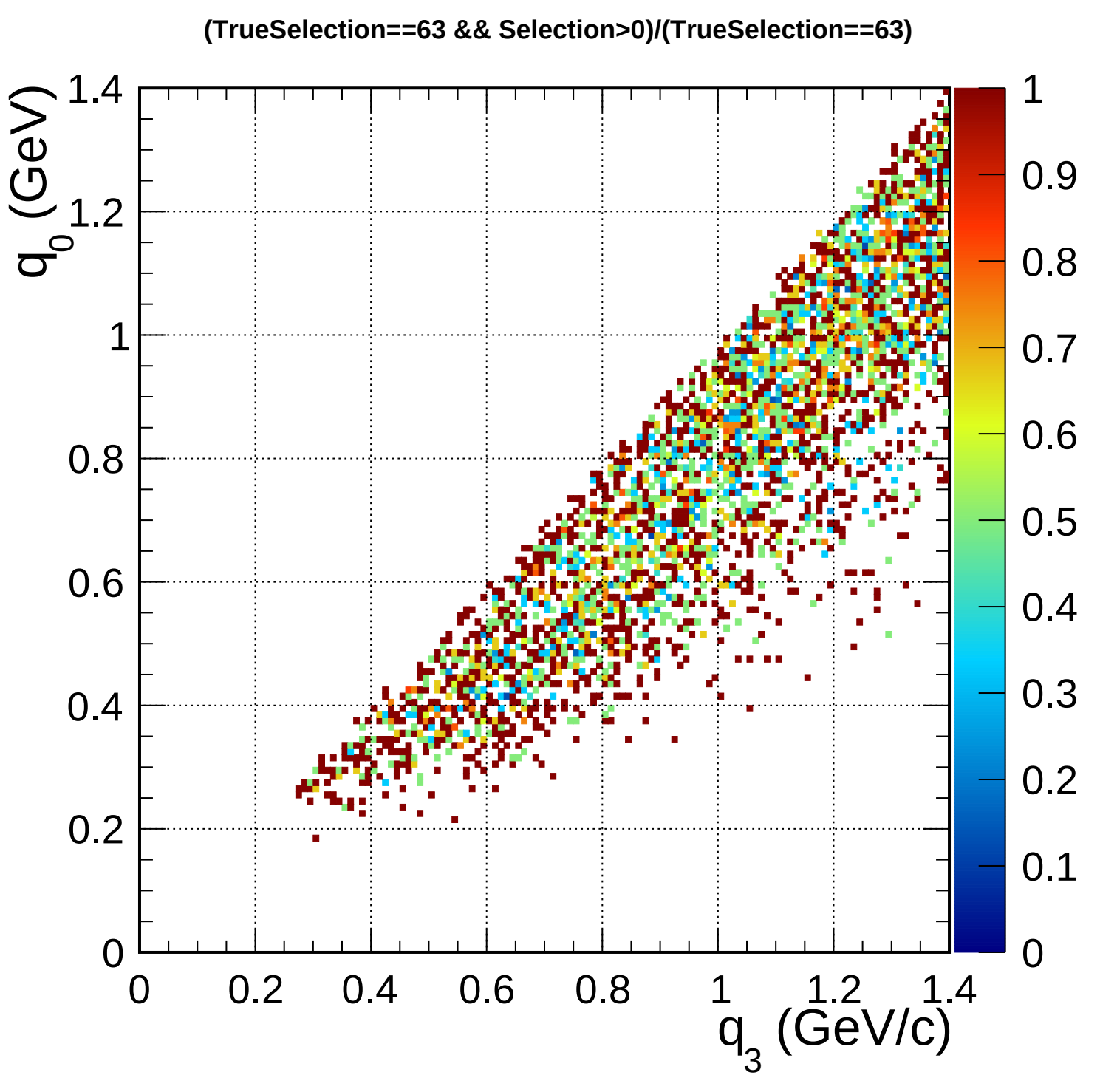

TrueSelection==63 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4

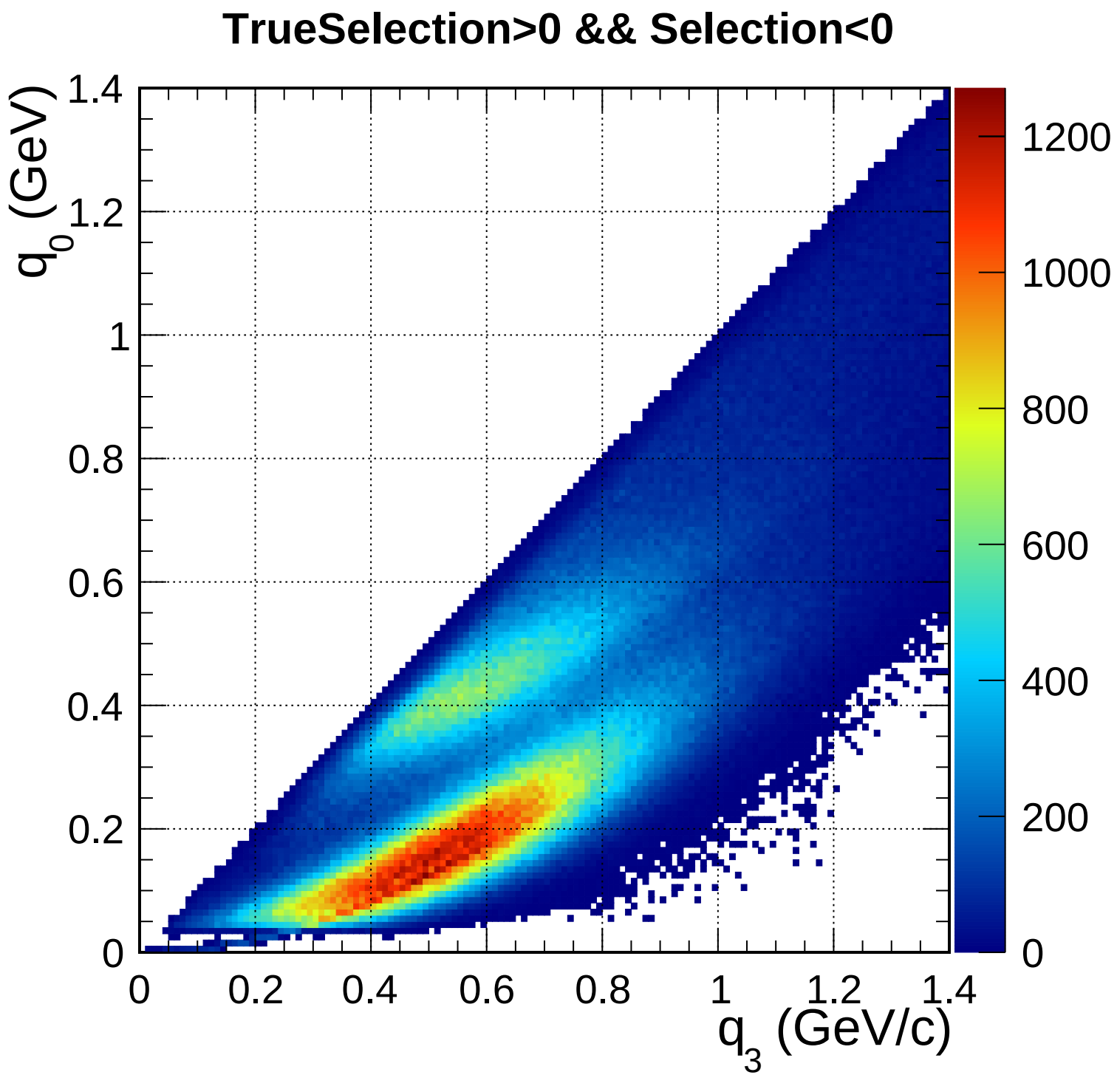

(TrueSelection==63 && Selection==62)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

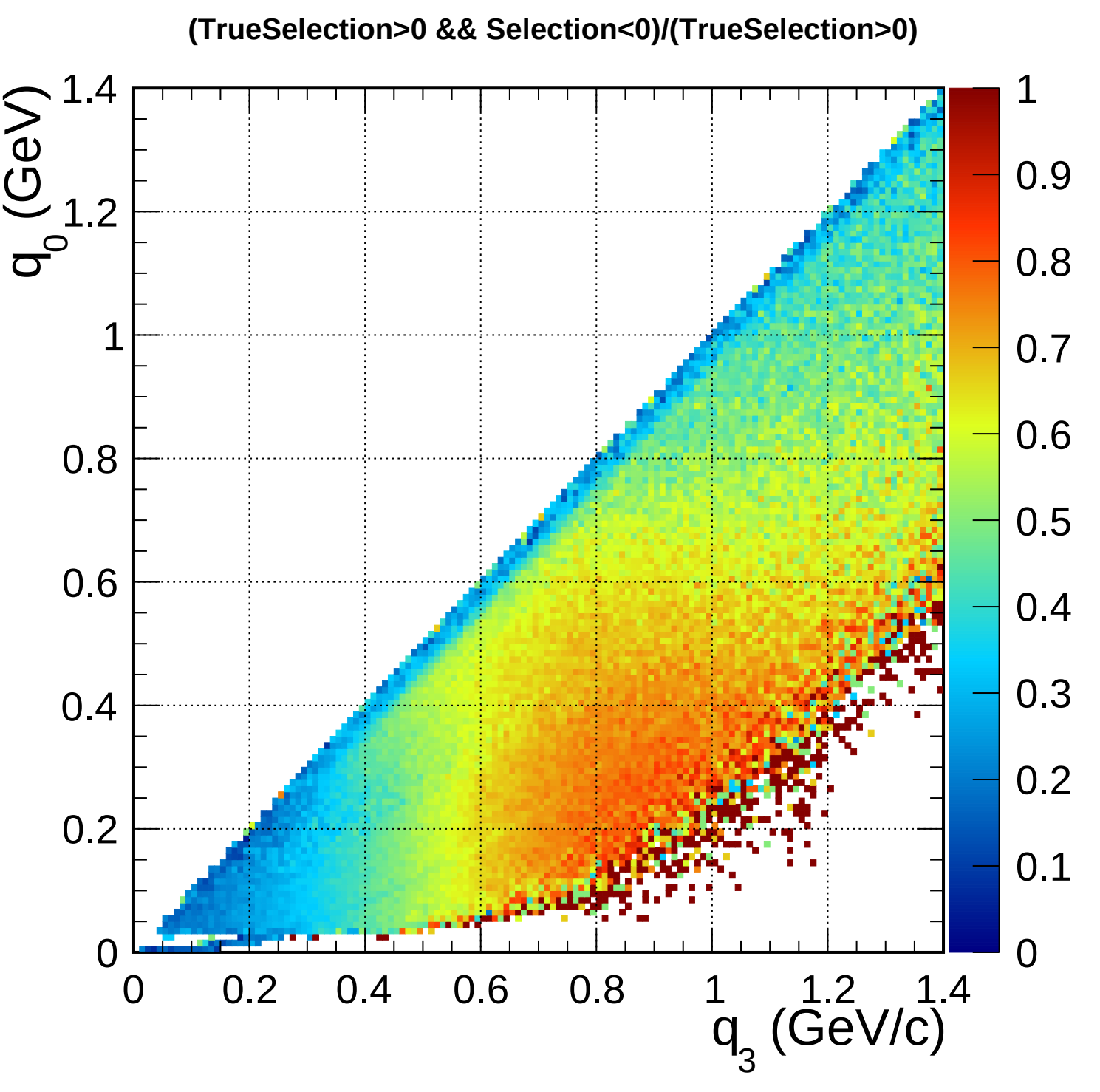

TrueSelection==63 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

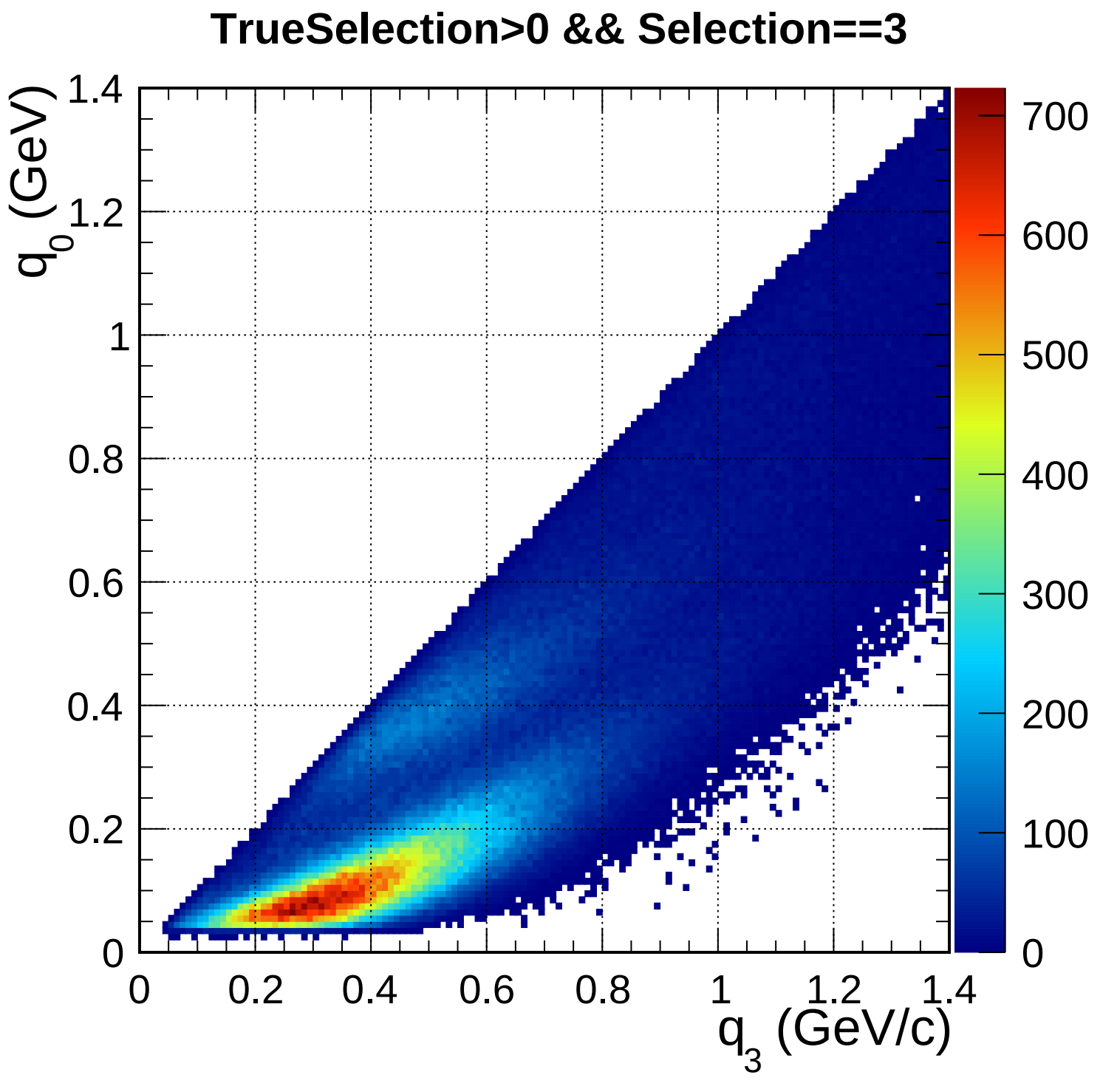

(TrueSelection==63 && Selection==63)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

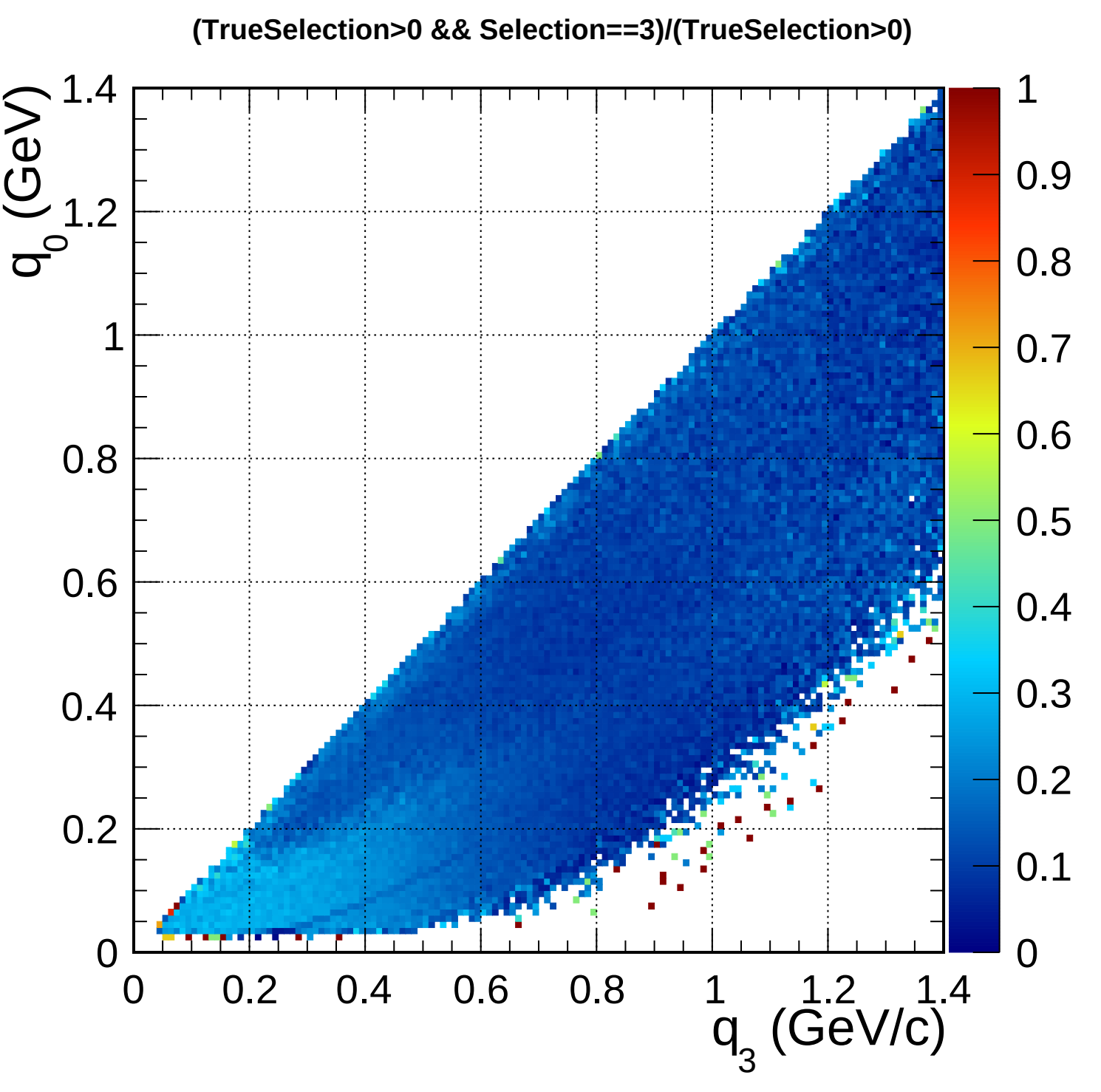

TrueSelection==63 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7

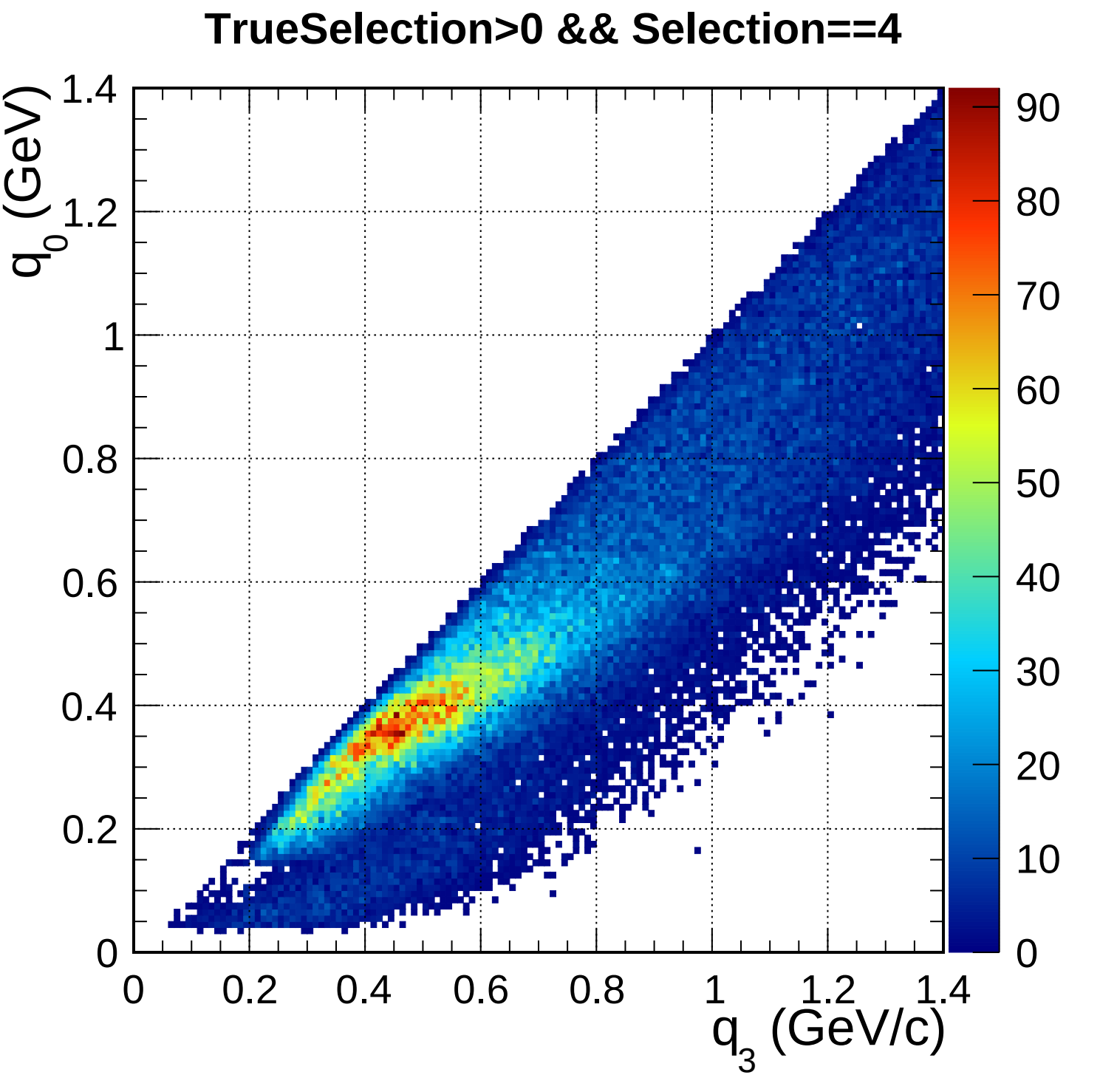

(TrueSelection==63 && Selection>0)/(TrueSelection==63)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

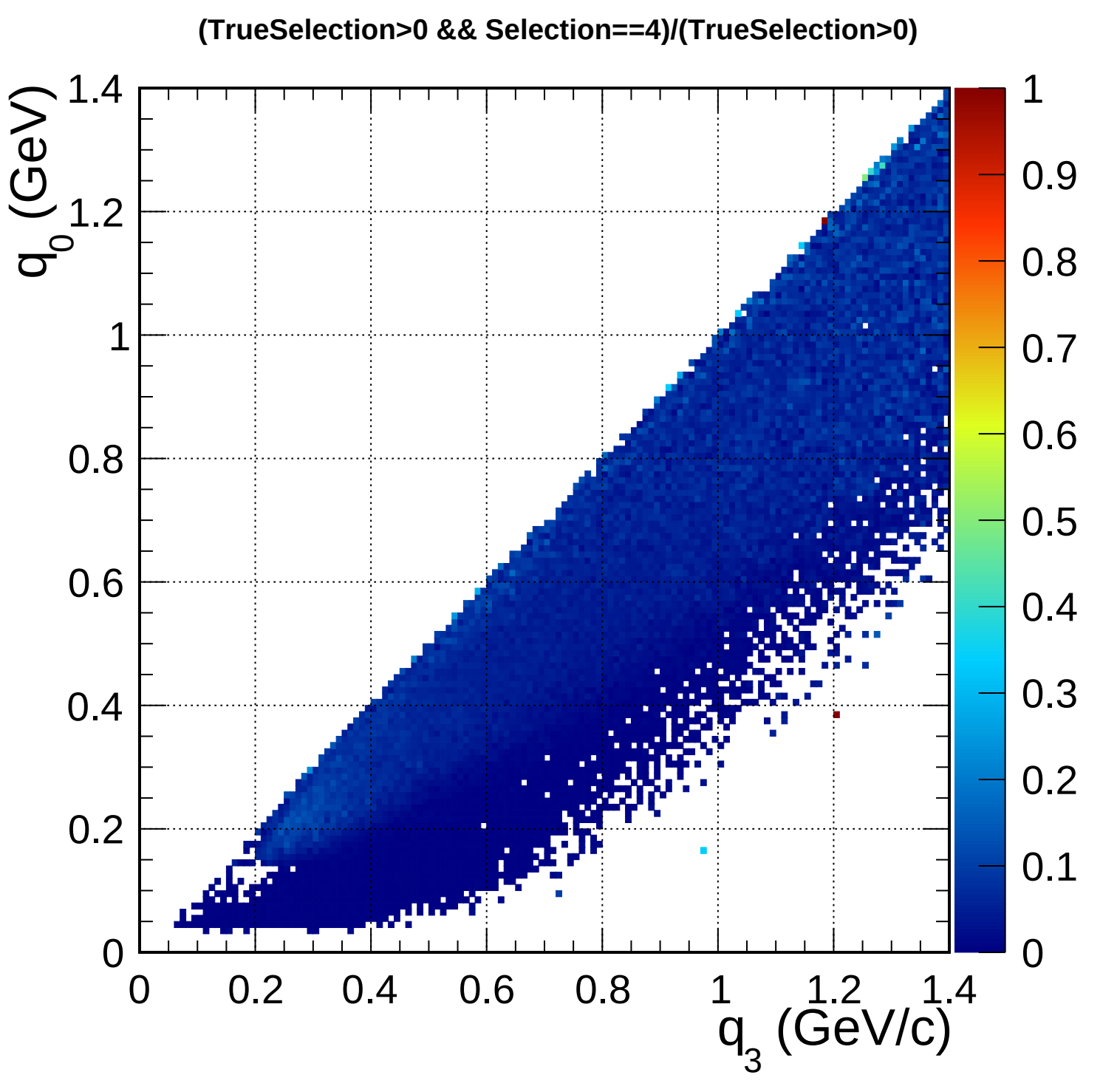

TrueSelection>0 && Selection<0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
200
400
600
800
1000
1200

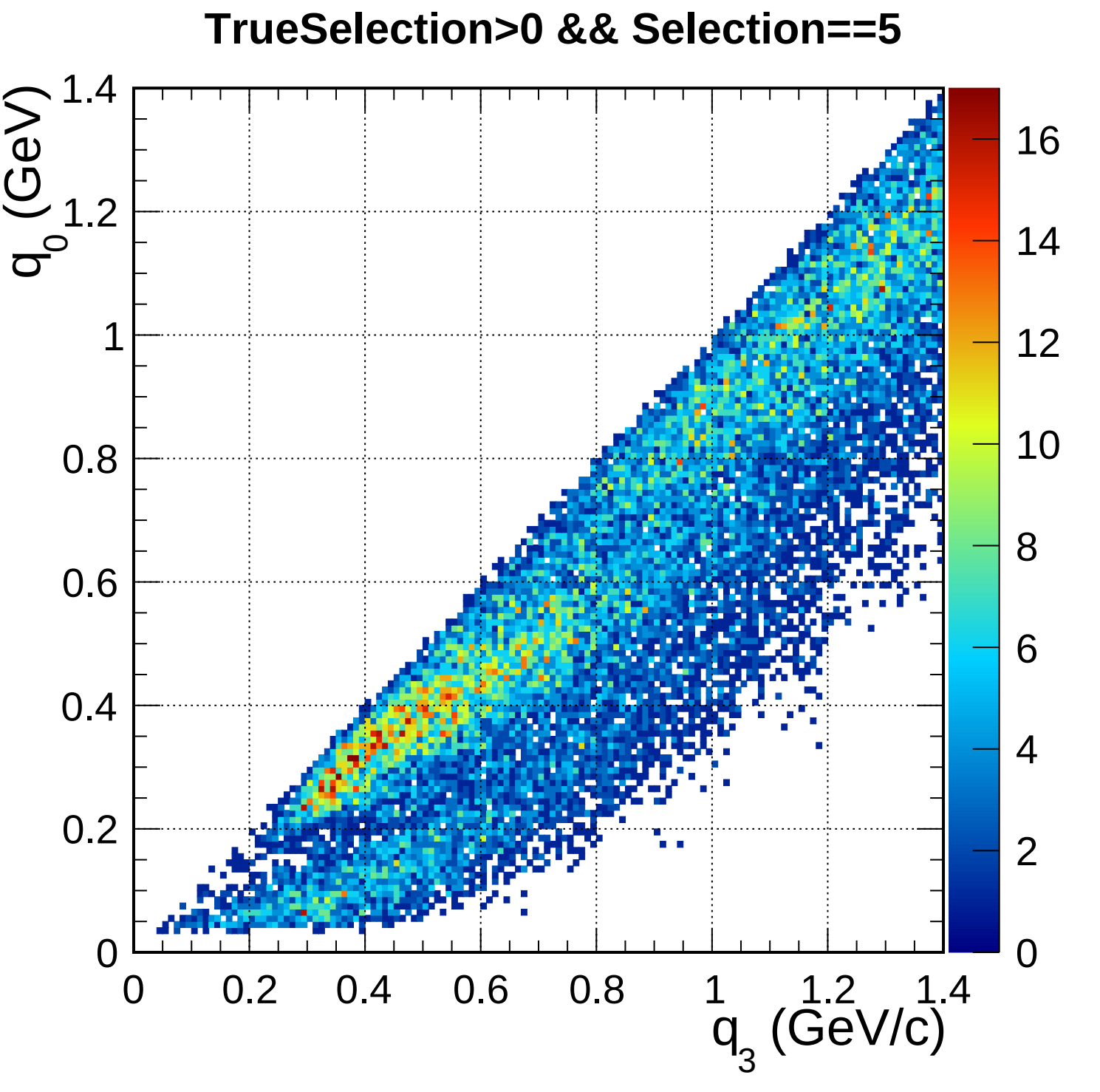

(TrueSelection>0 && Selection<0)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

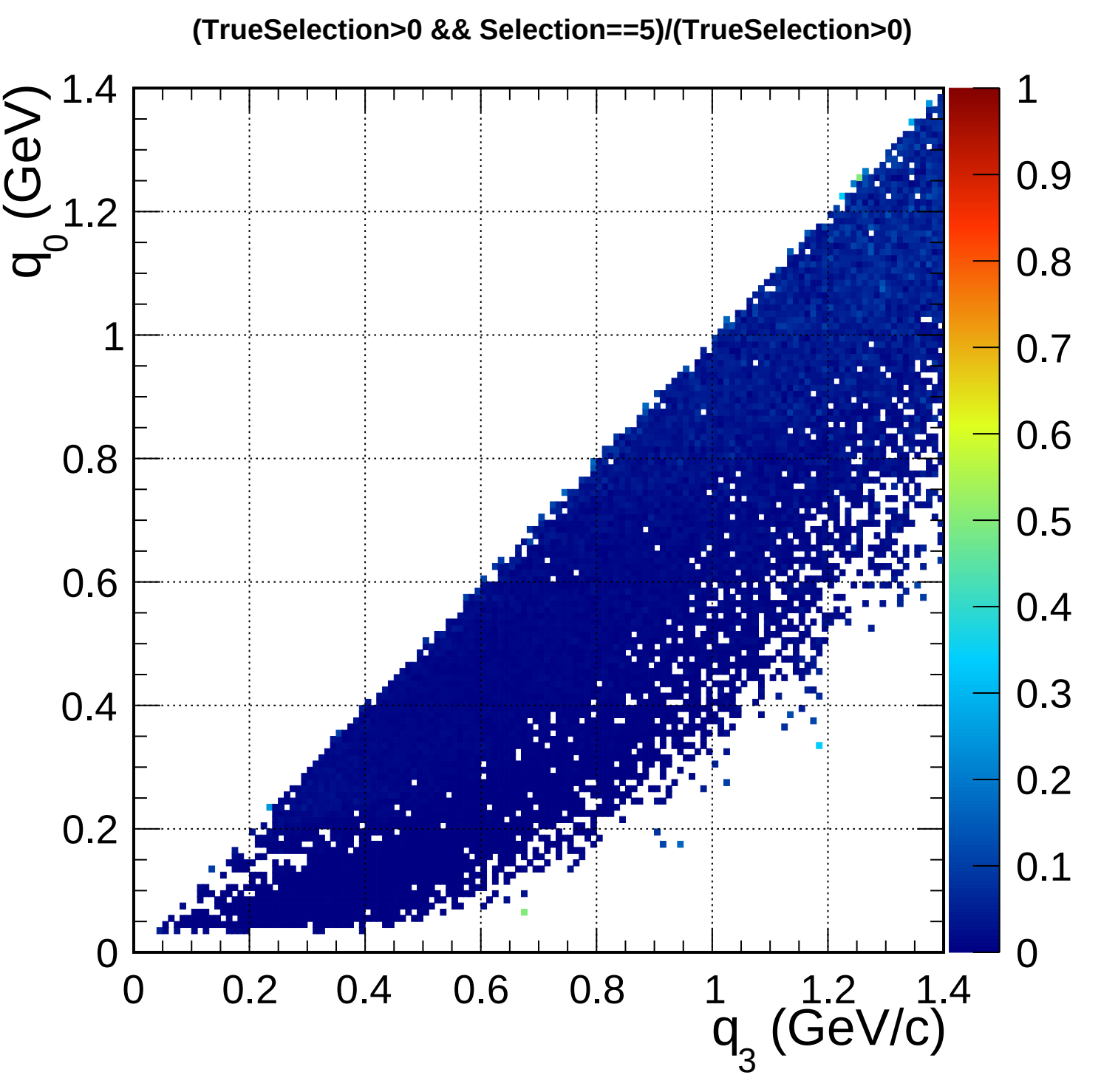

TrueSelection>0 && Selection==3
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600
700

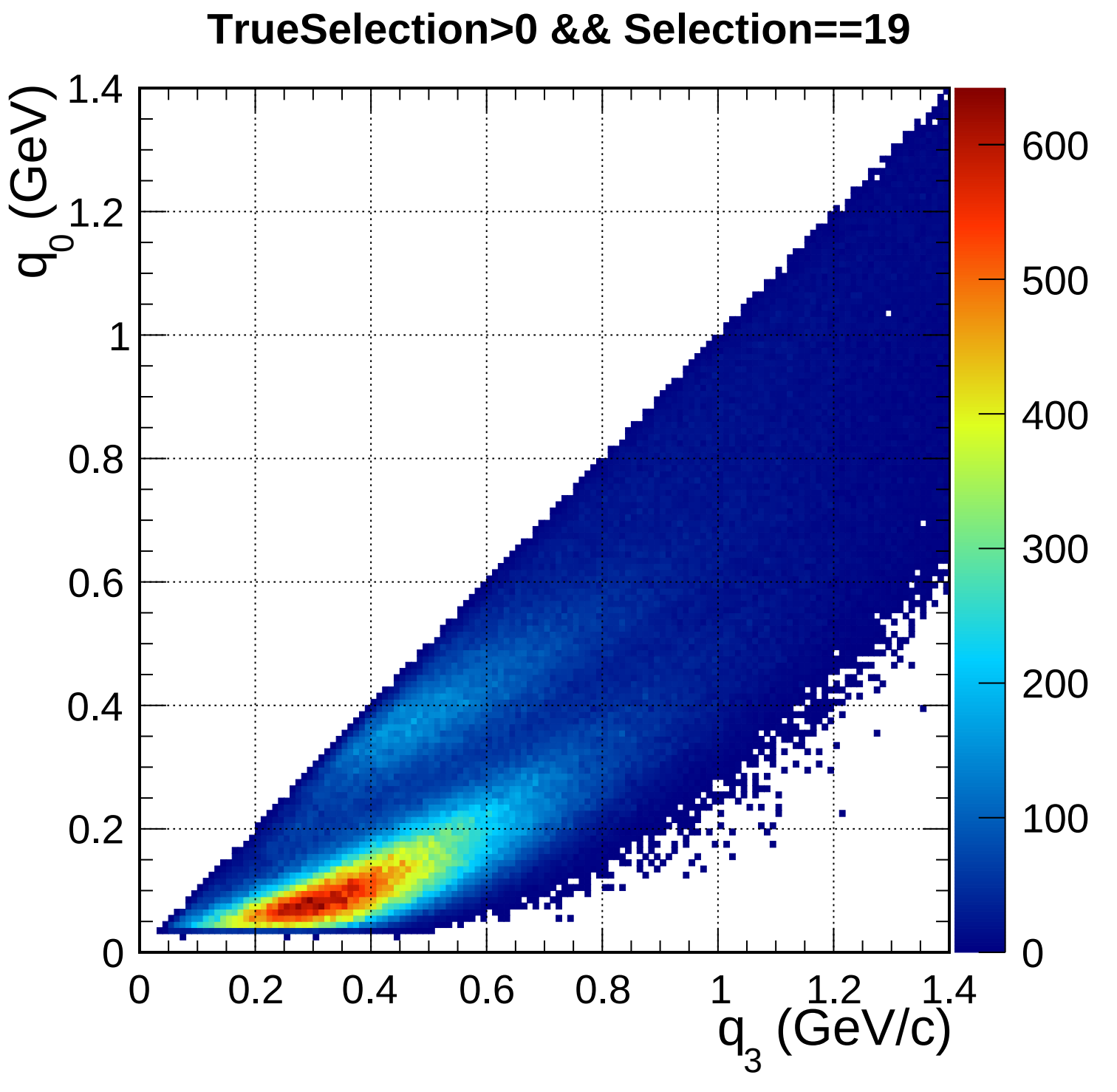

(TrueSelection>0 && Selection==3)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

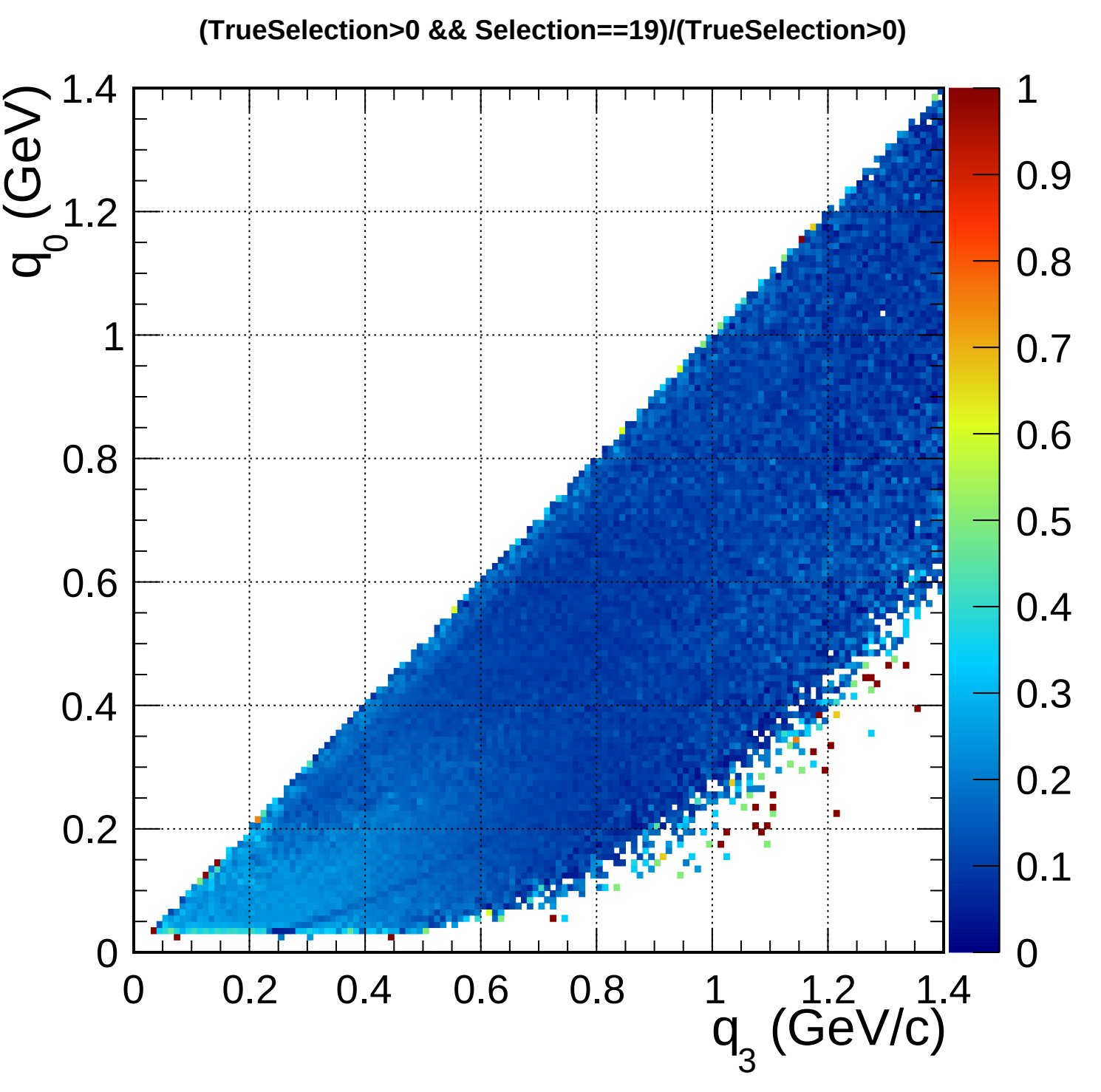

TrueSelection>0 && Selection==4
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70
80
90

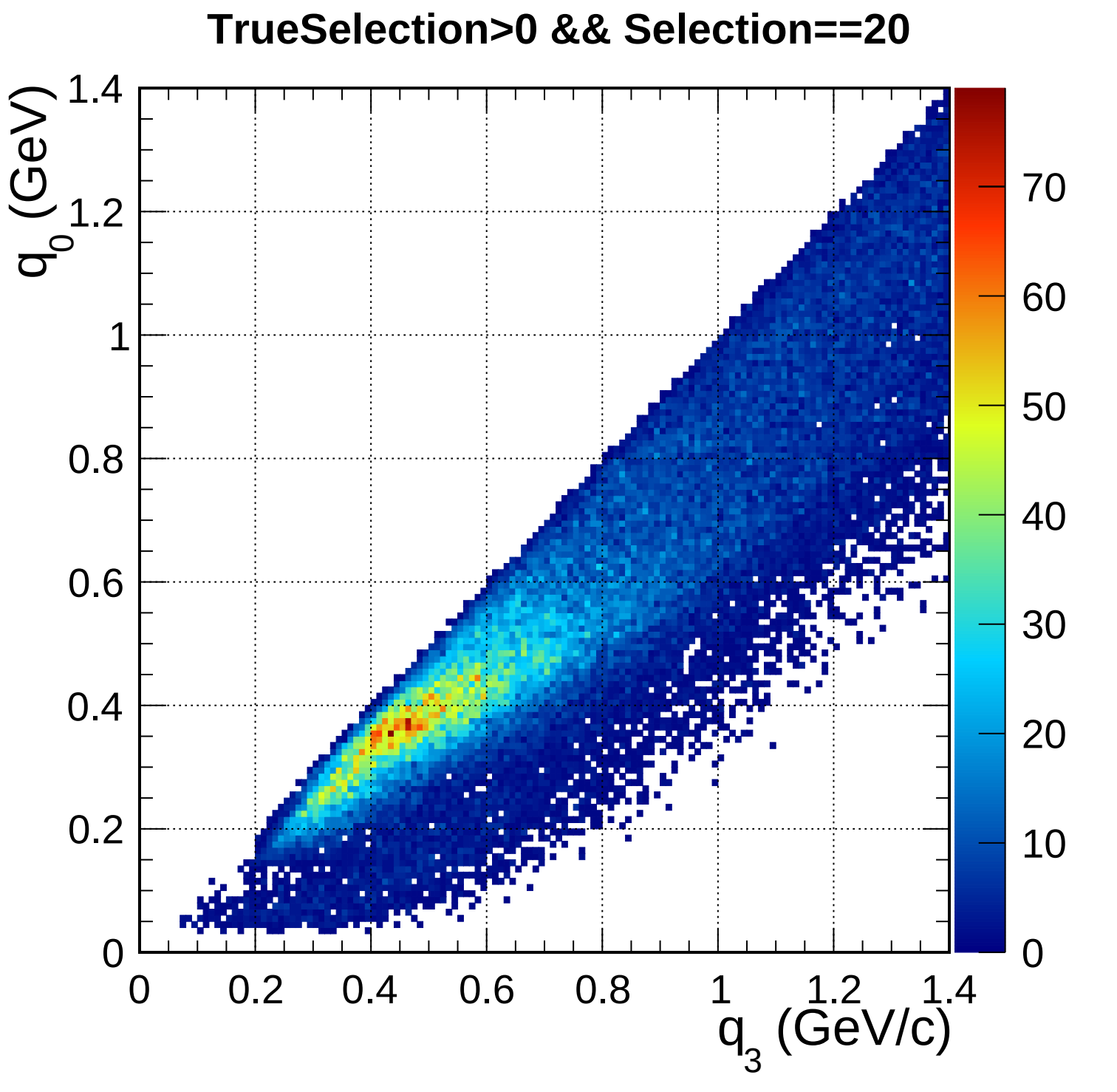

(TrueSelection>0 && Selection==4)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

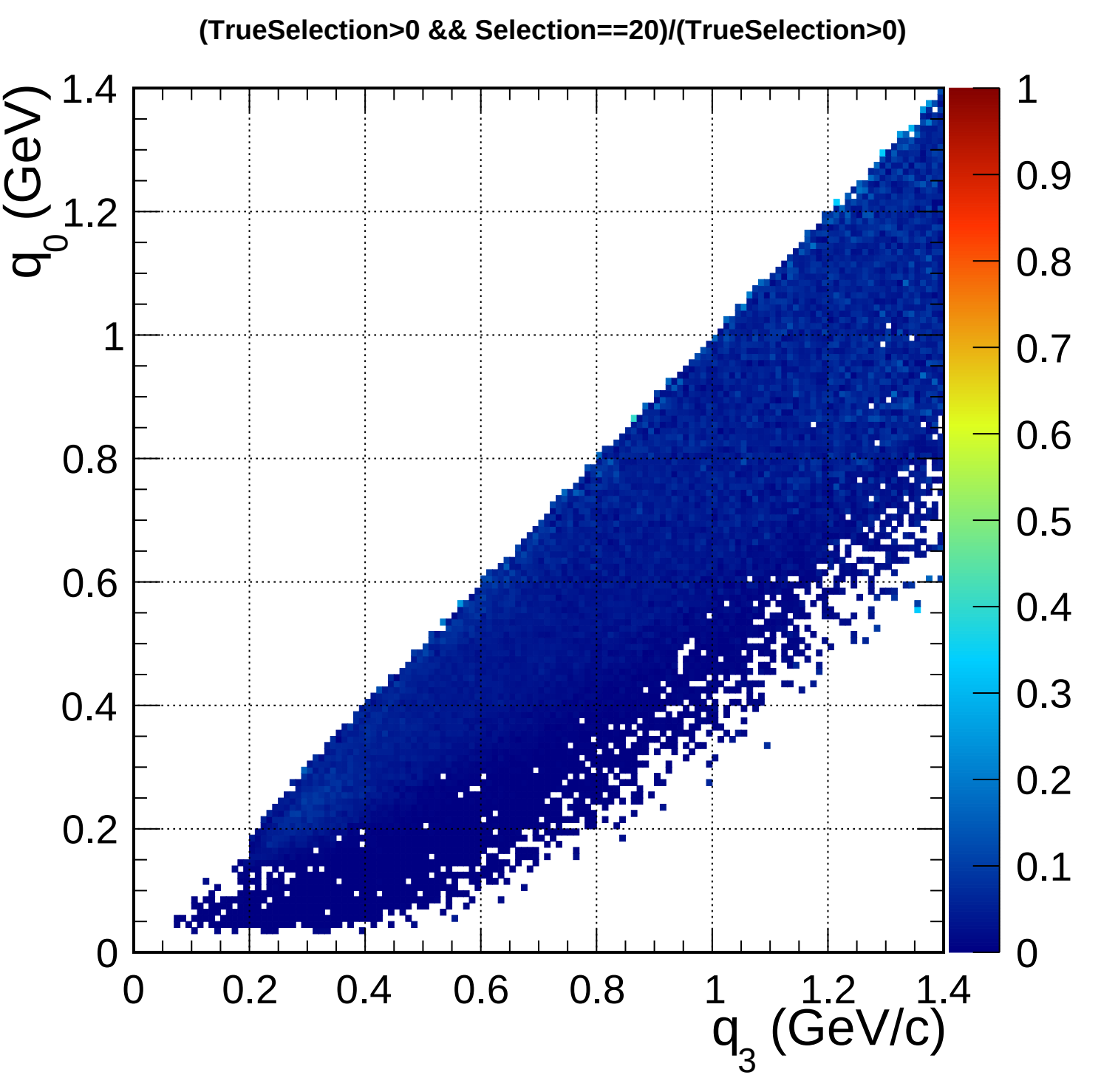

TrueSelection>0 && Selection==5
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16

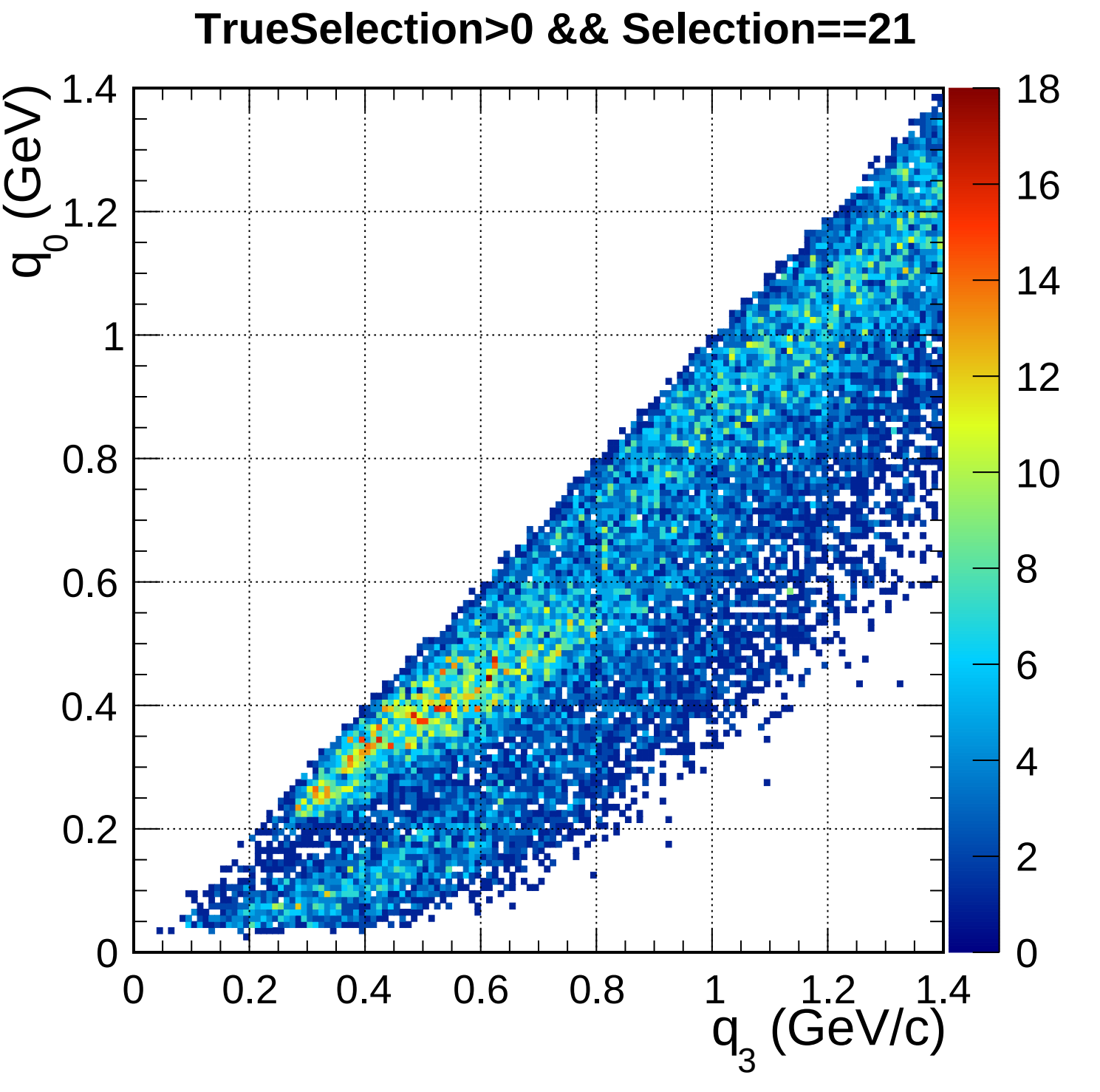

(TrueSelection>0 && Selection==5)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

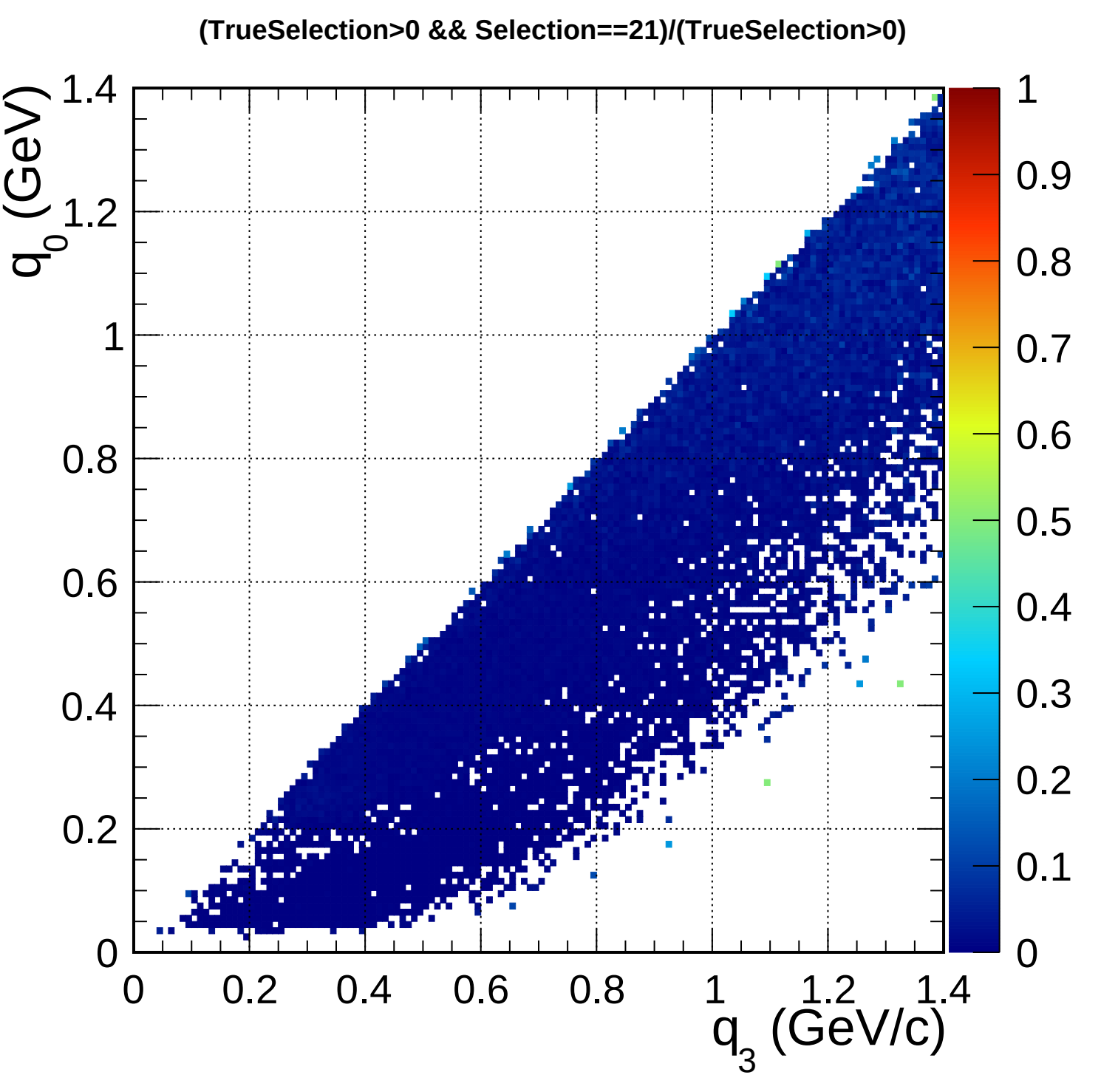

TrueSelection>0 && Selection==19
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
100
200
300
400
500
600

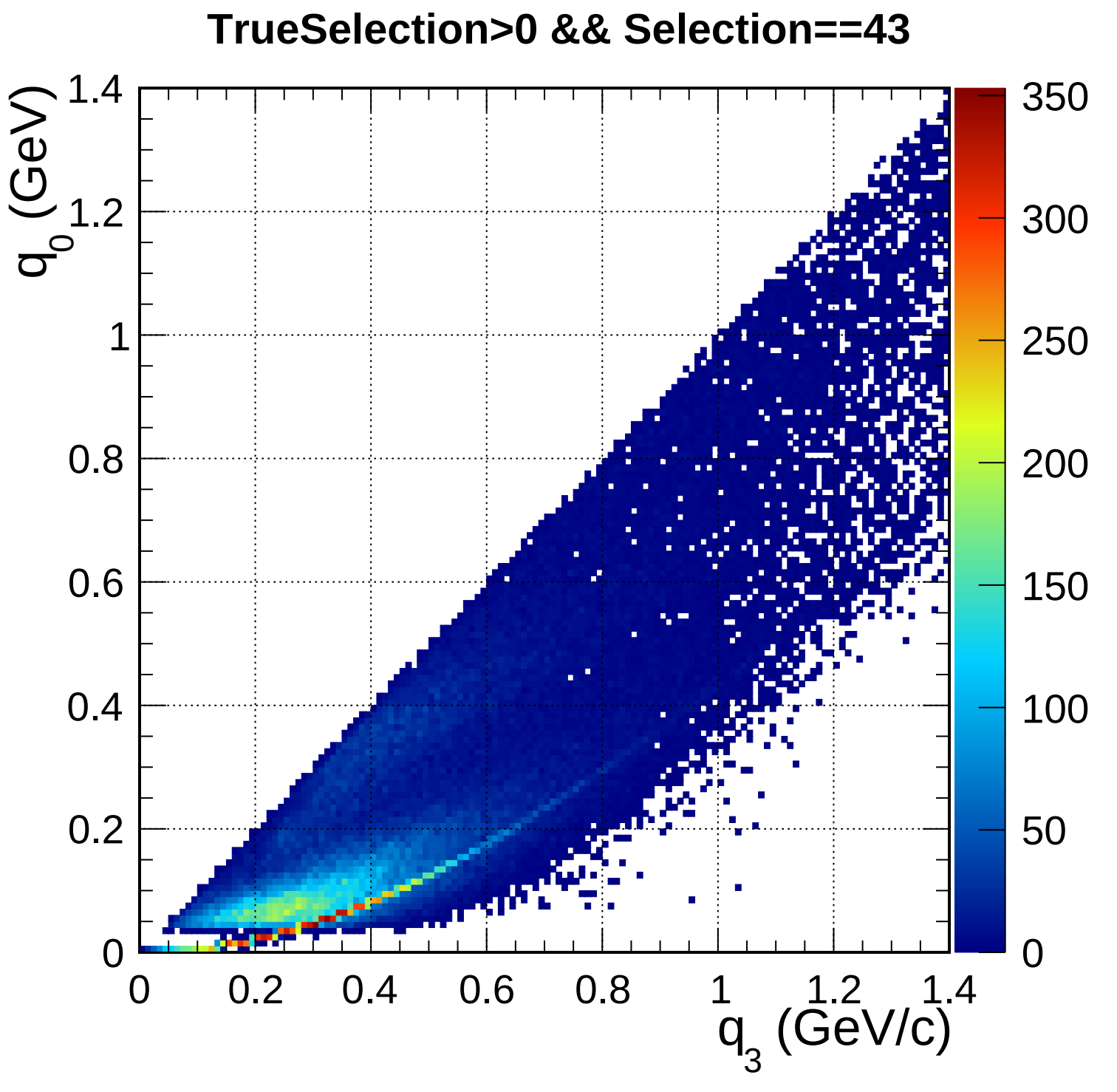

(TrueSelection>0 && Selection==19)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

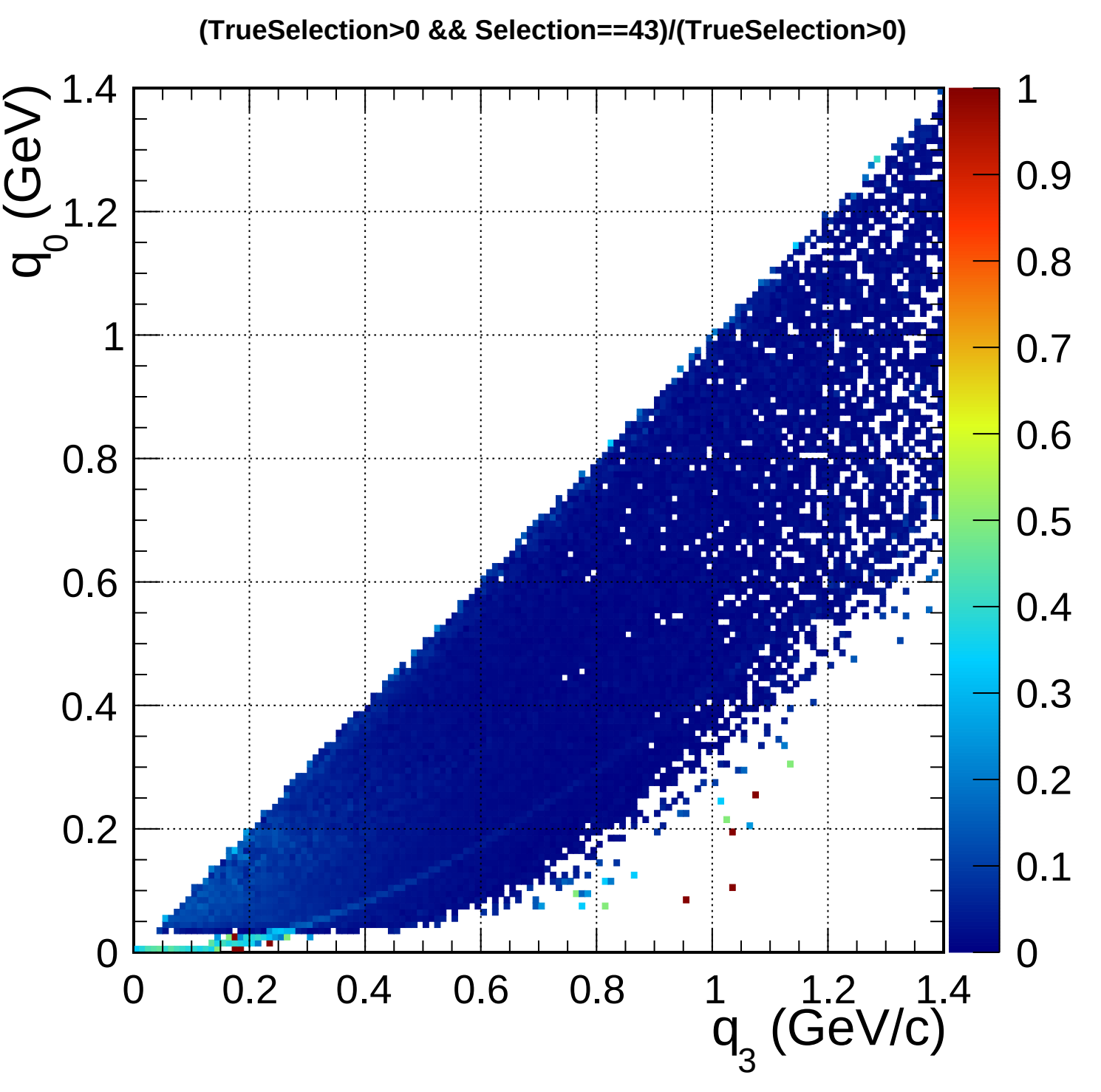

TrueSelection>0 && Selection==20
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70

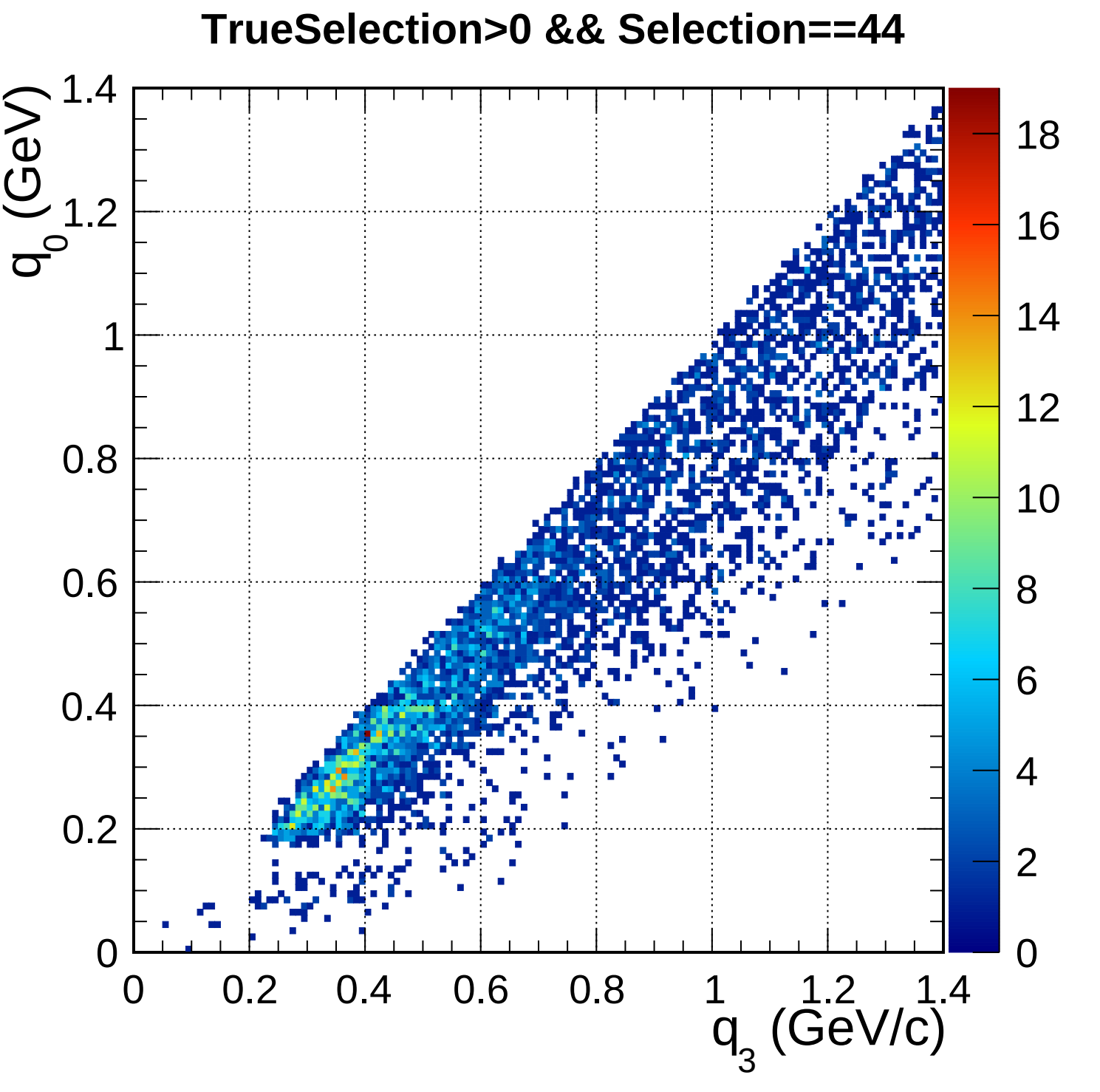

(TrueSelection>0 && Selection==20)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

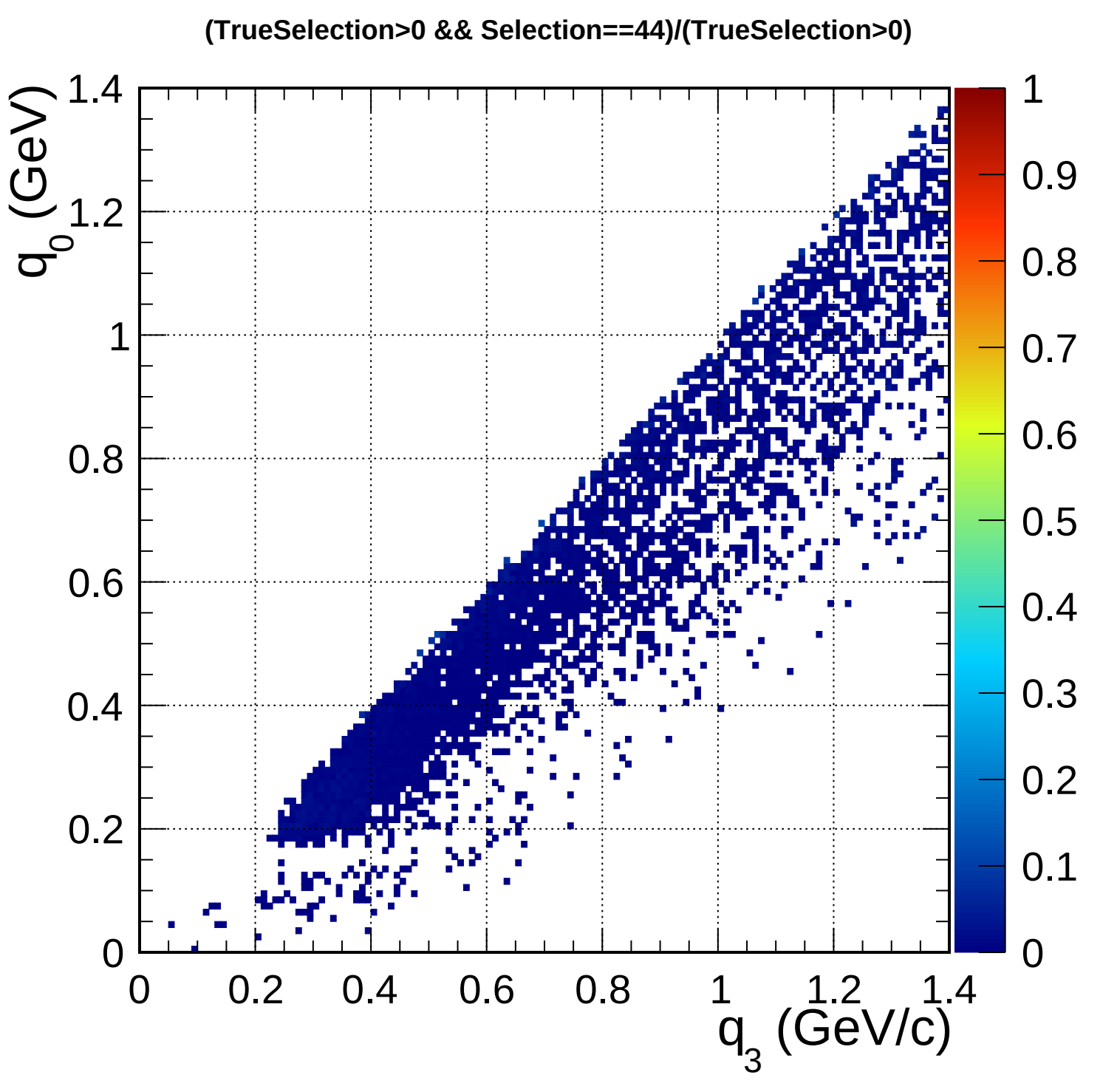

TrueSelection>0 && Selection==21
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16
18

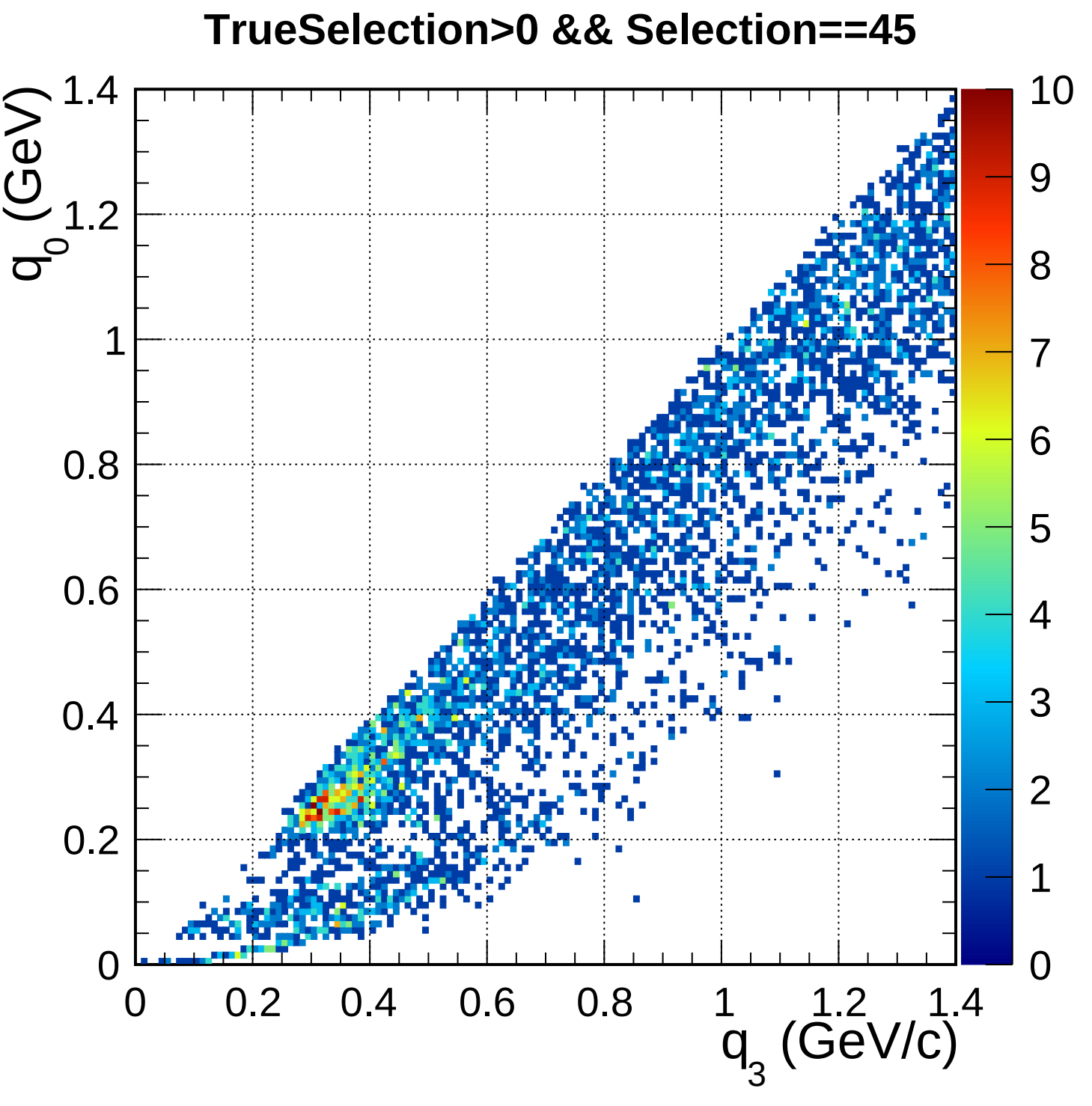

(TrueSelection>0 && Selection==21)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

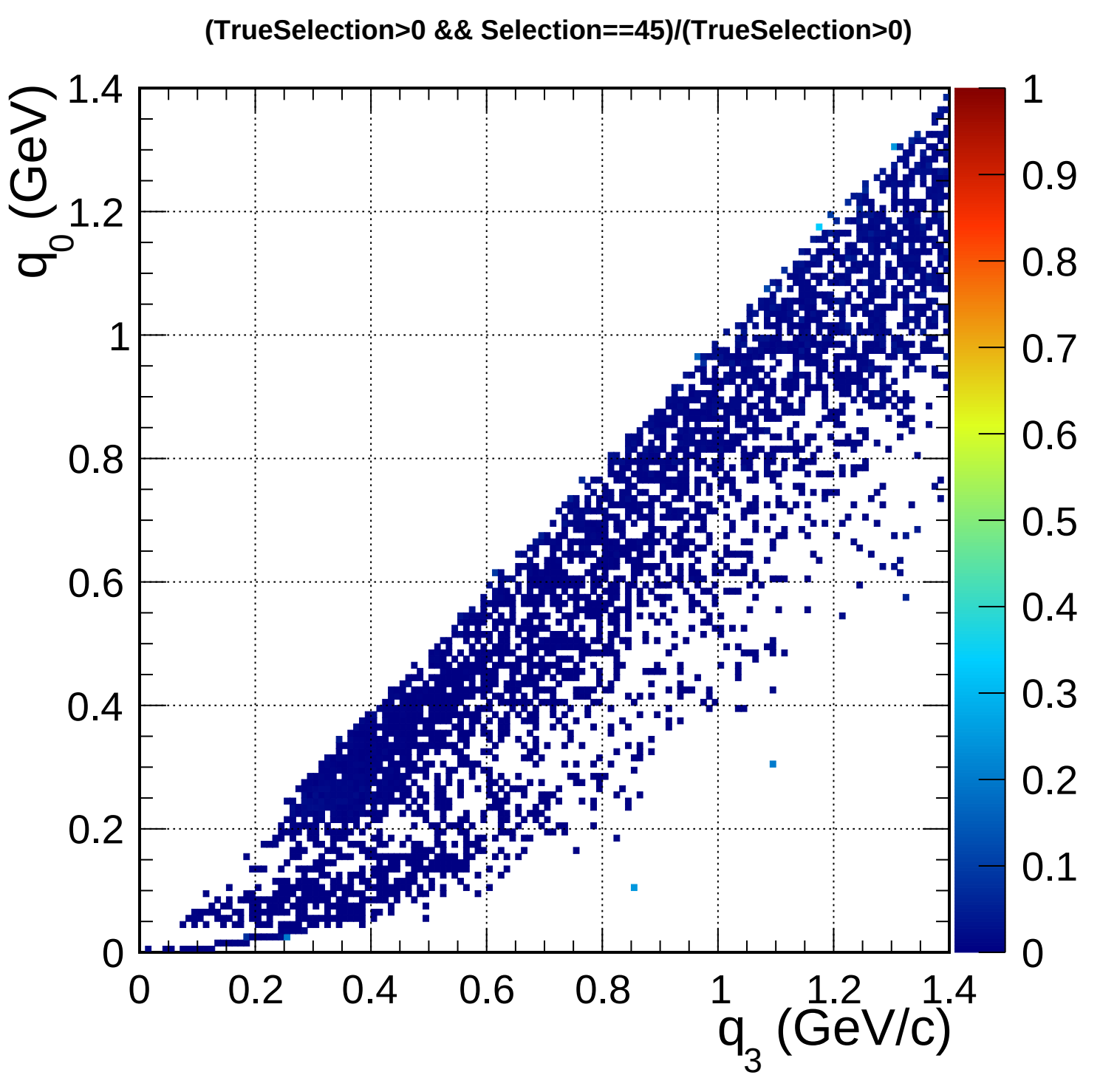

TrueSelection>0 && Selection==43
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350

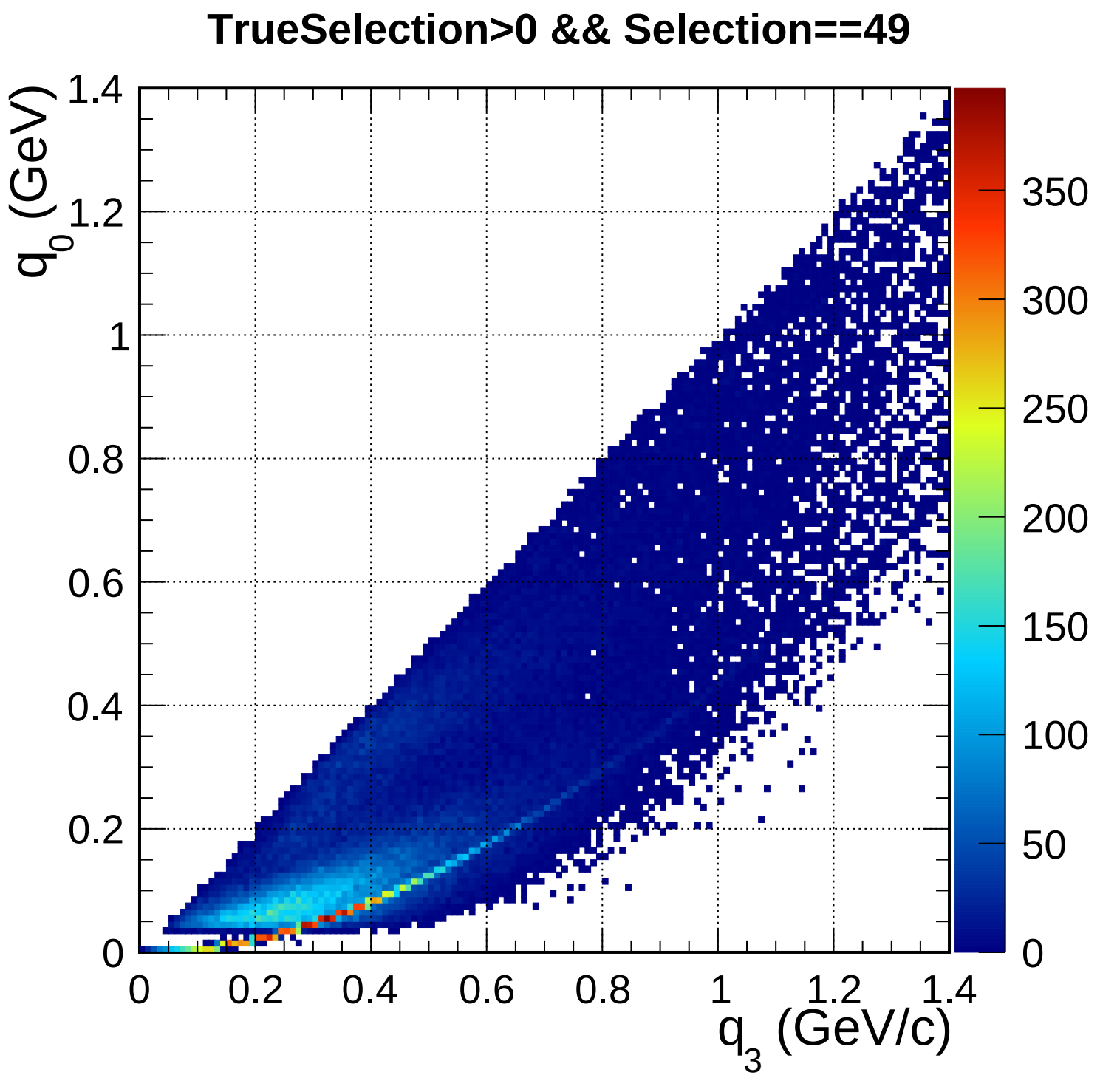

(TrueSelection>0 && Selection==43)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

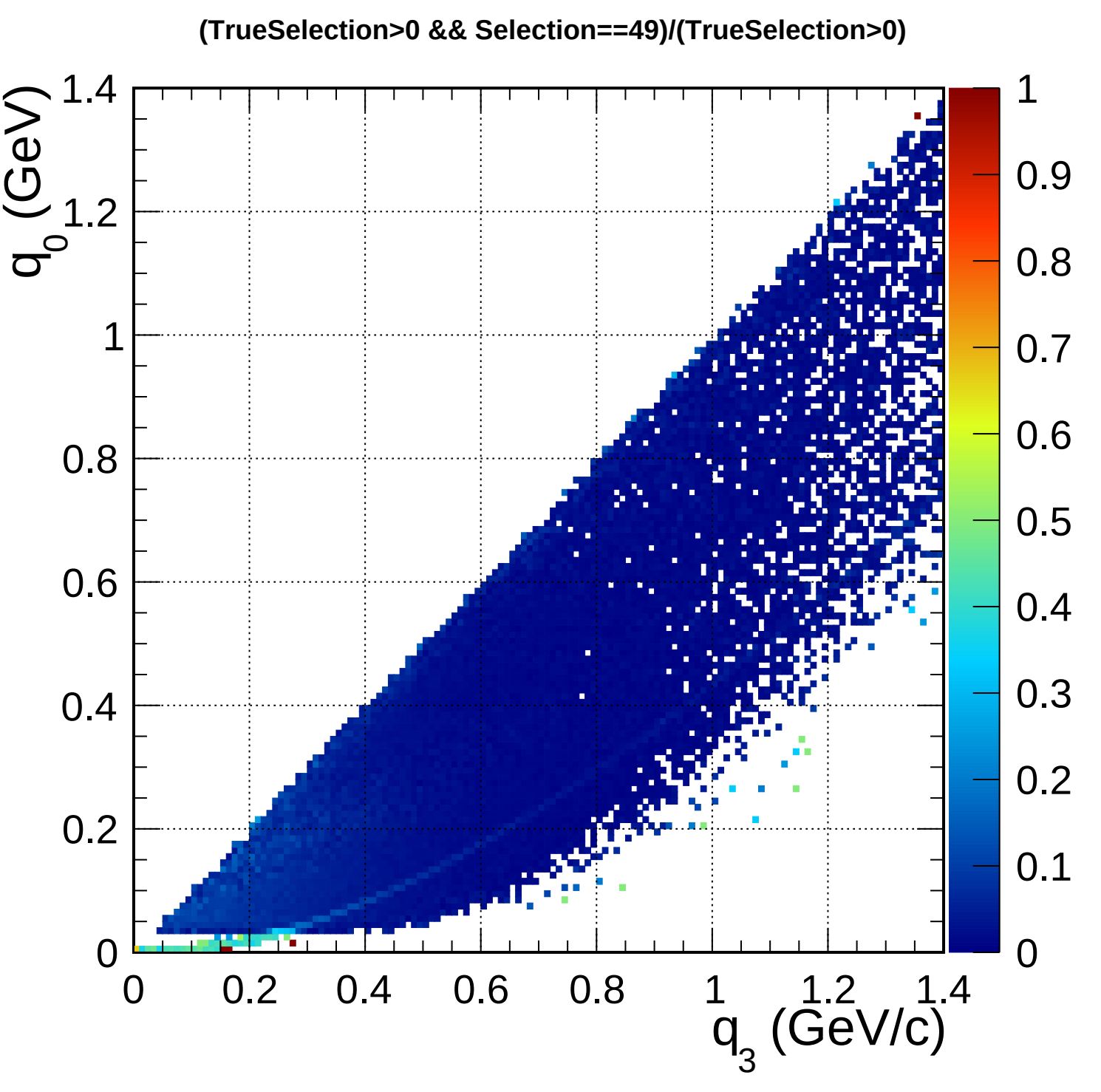

TrueSelection>0 && Selection==44
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16
18

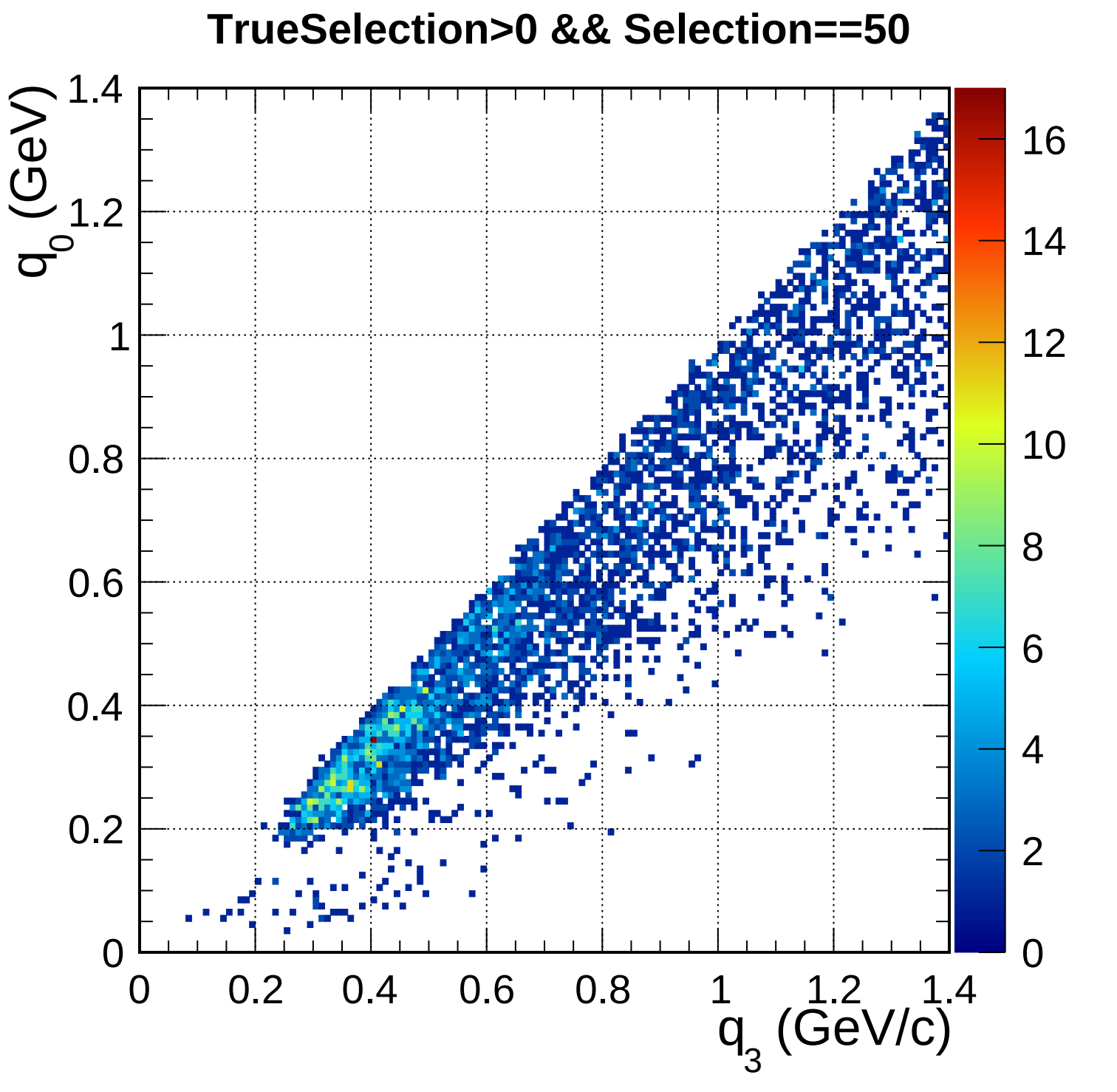

(TrueSelection>0 && Selection==44)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

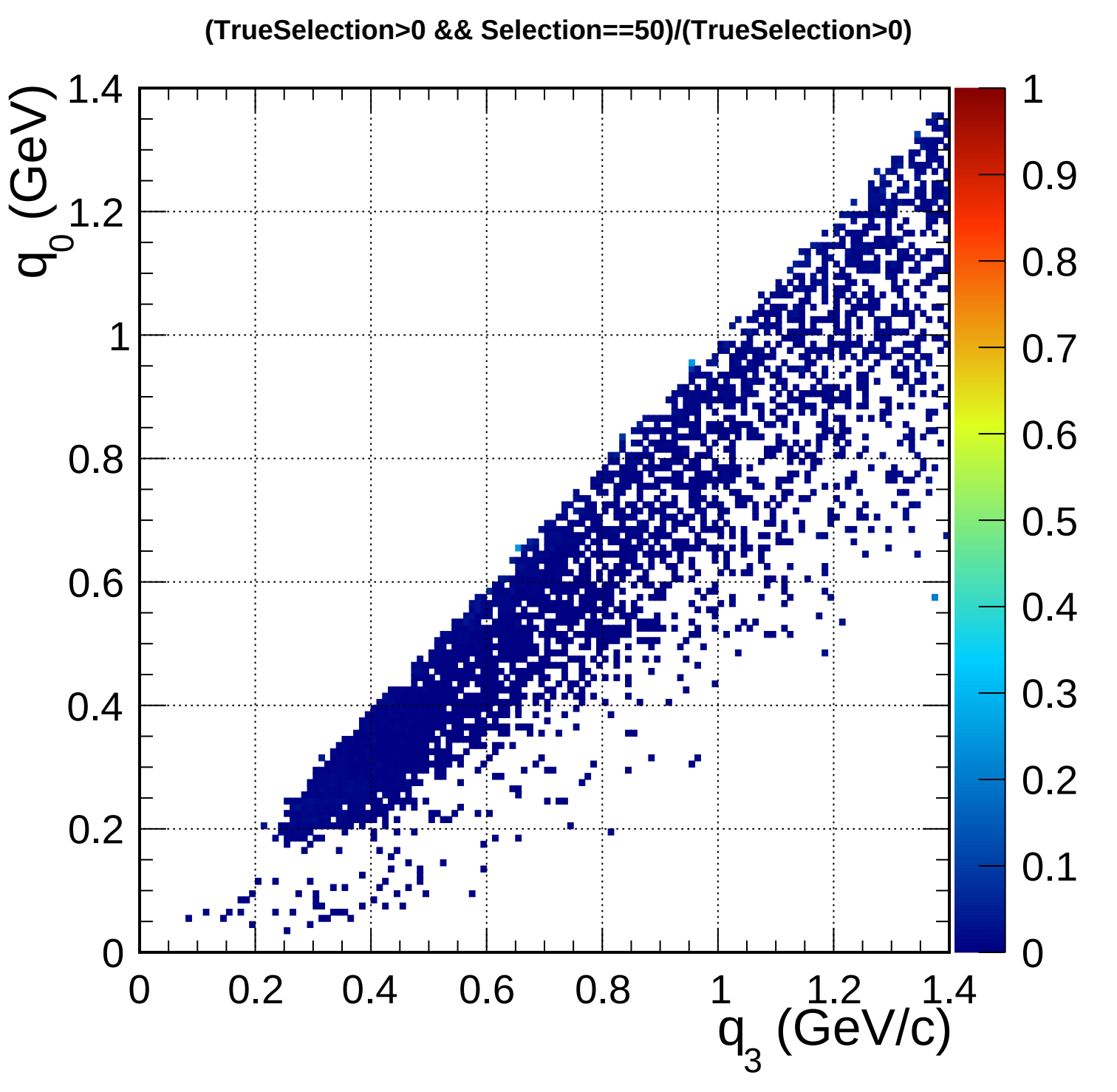

TrueSelection>0 && Selection==45
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9
10

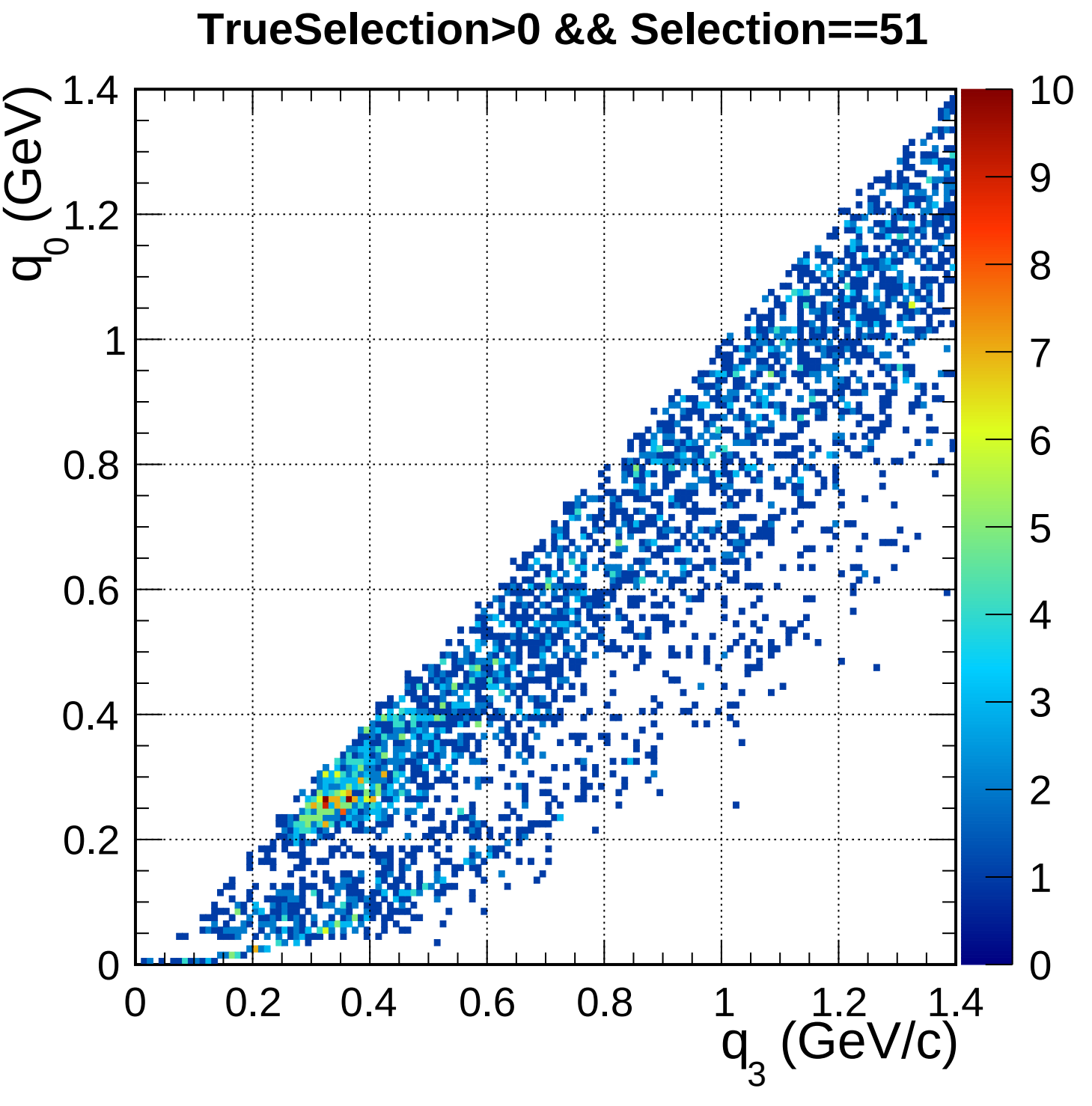

(TrueSelection>0 && Selection==45)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

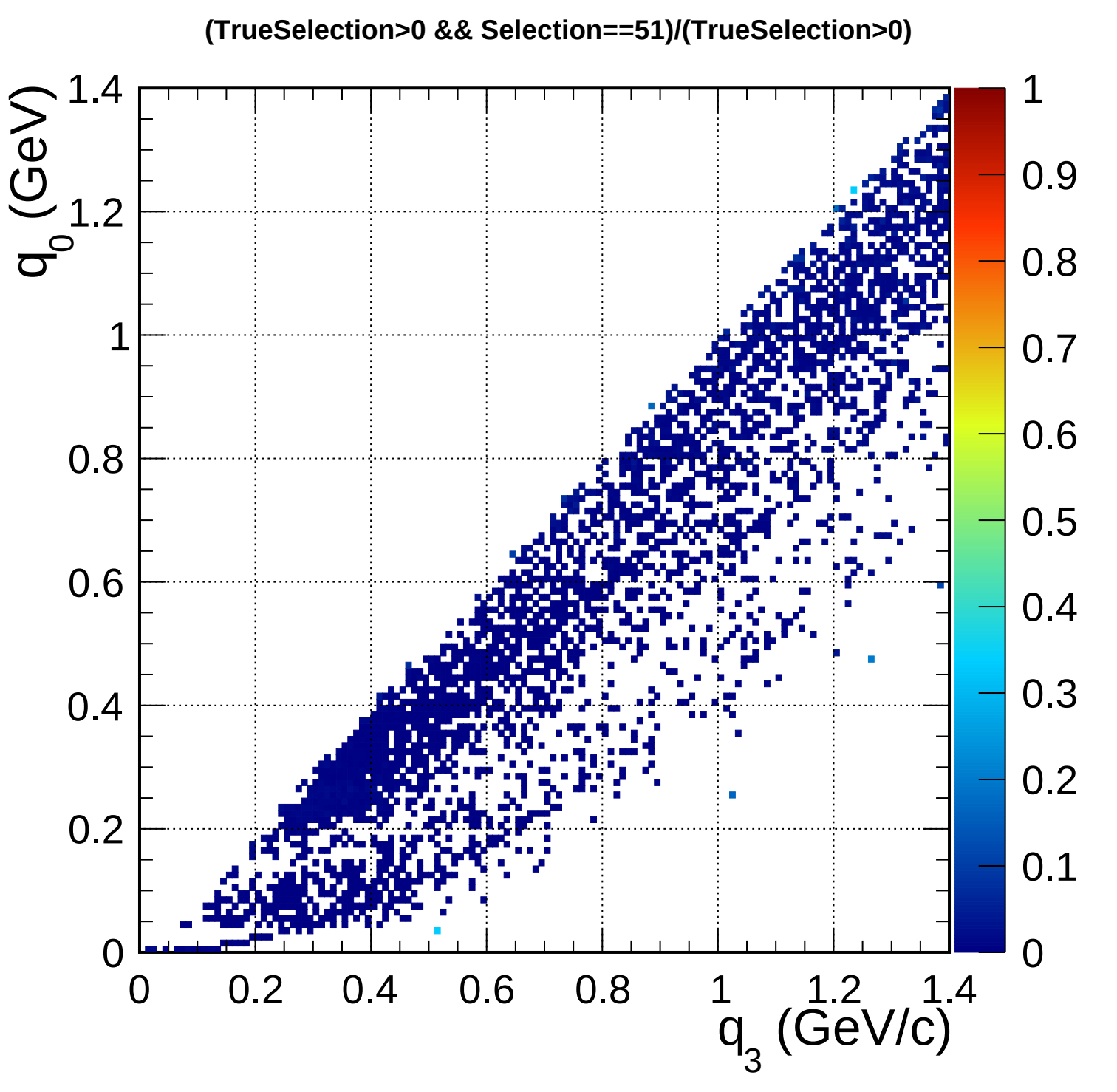

TrueSelection>0 && Selection==49
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
50
100
150
200
250
300
350

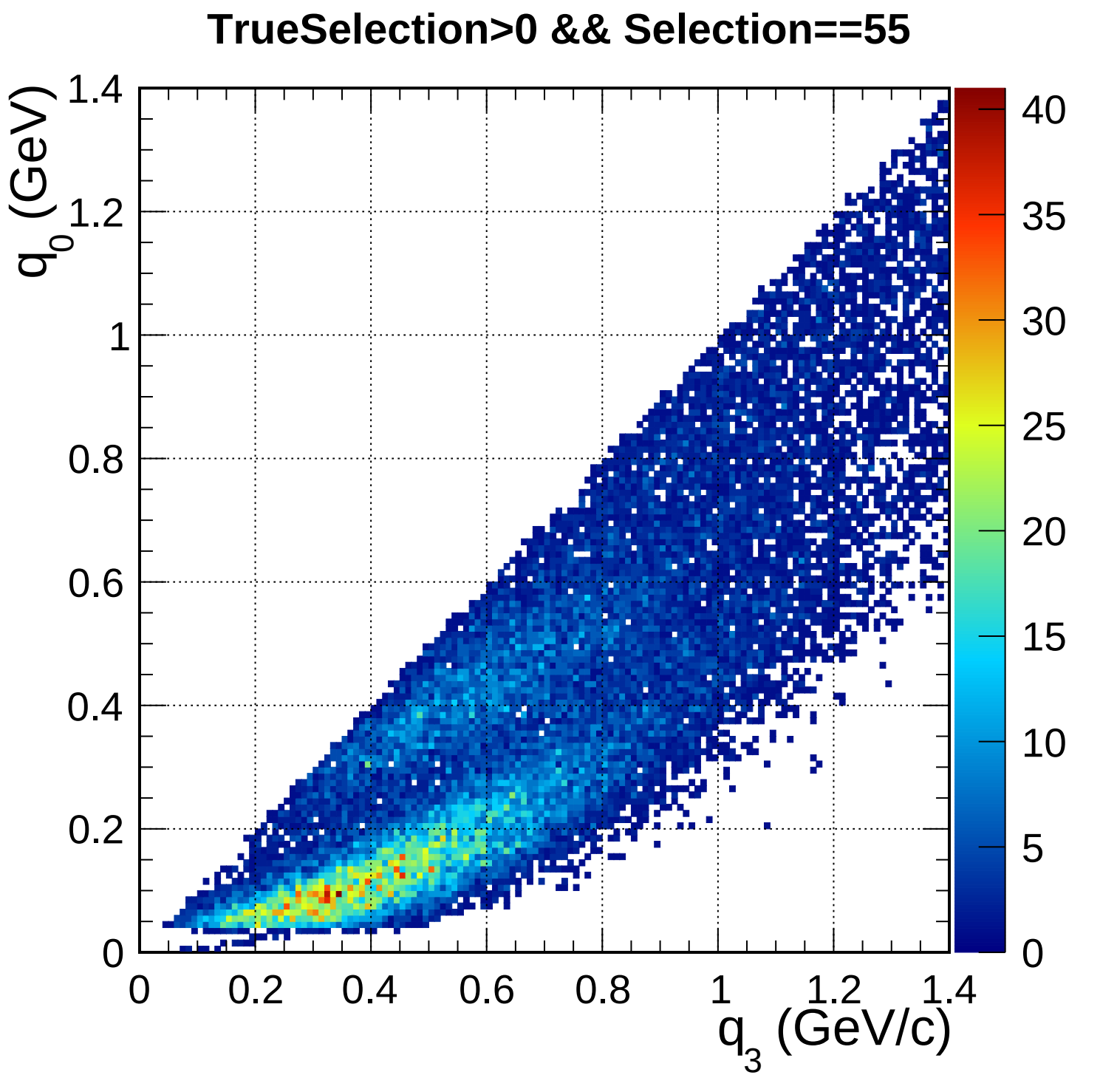

(TrueSelection>0 && Selection==49)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

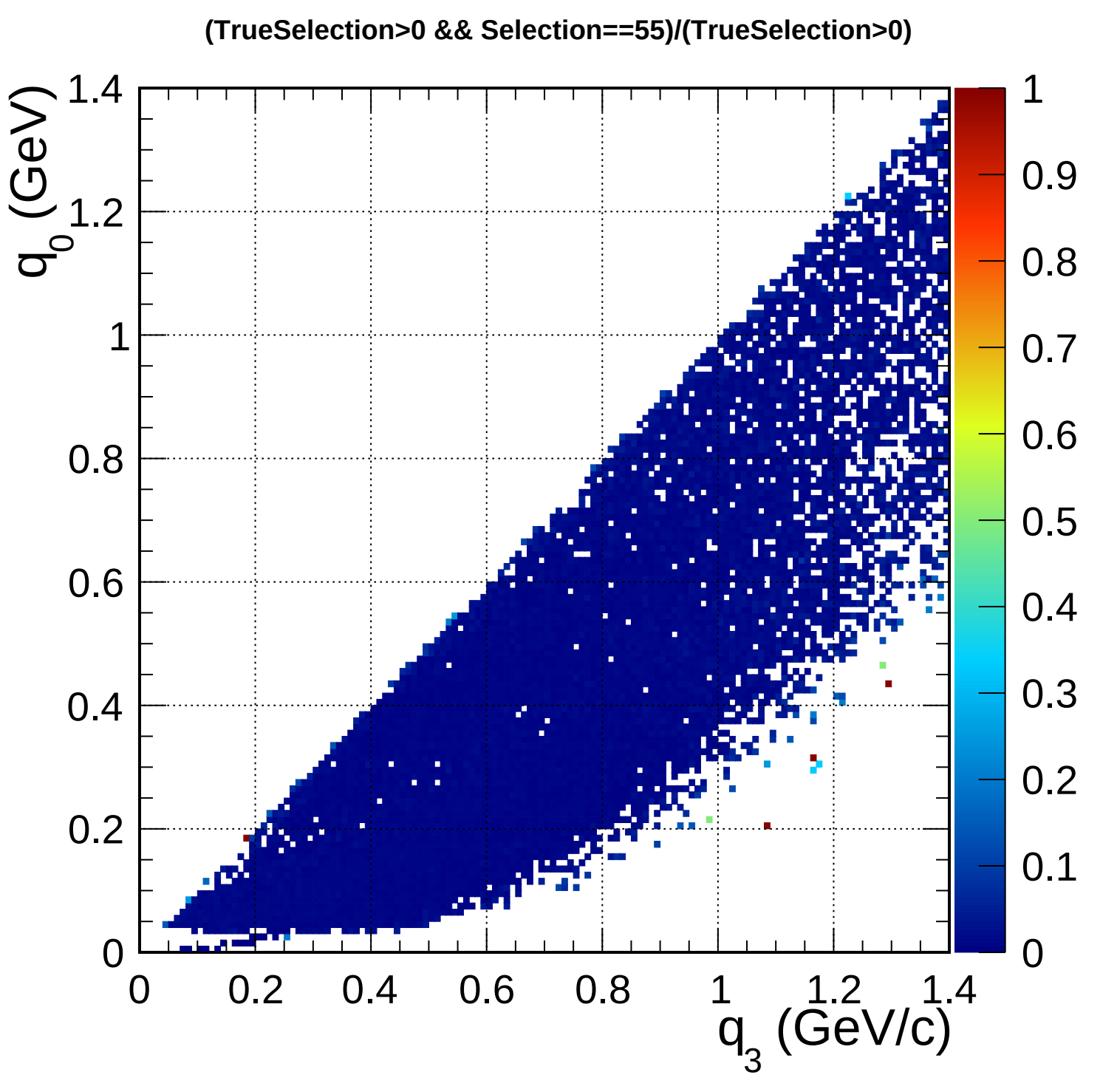

TrueSelection>0 && Selection==50
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
2
4
6
8
10
12
14
16

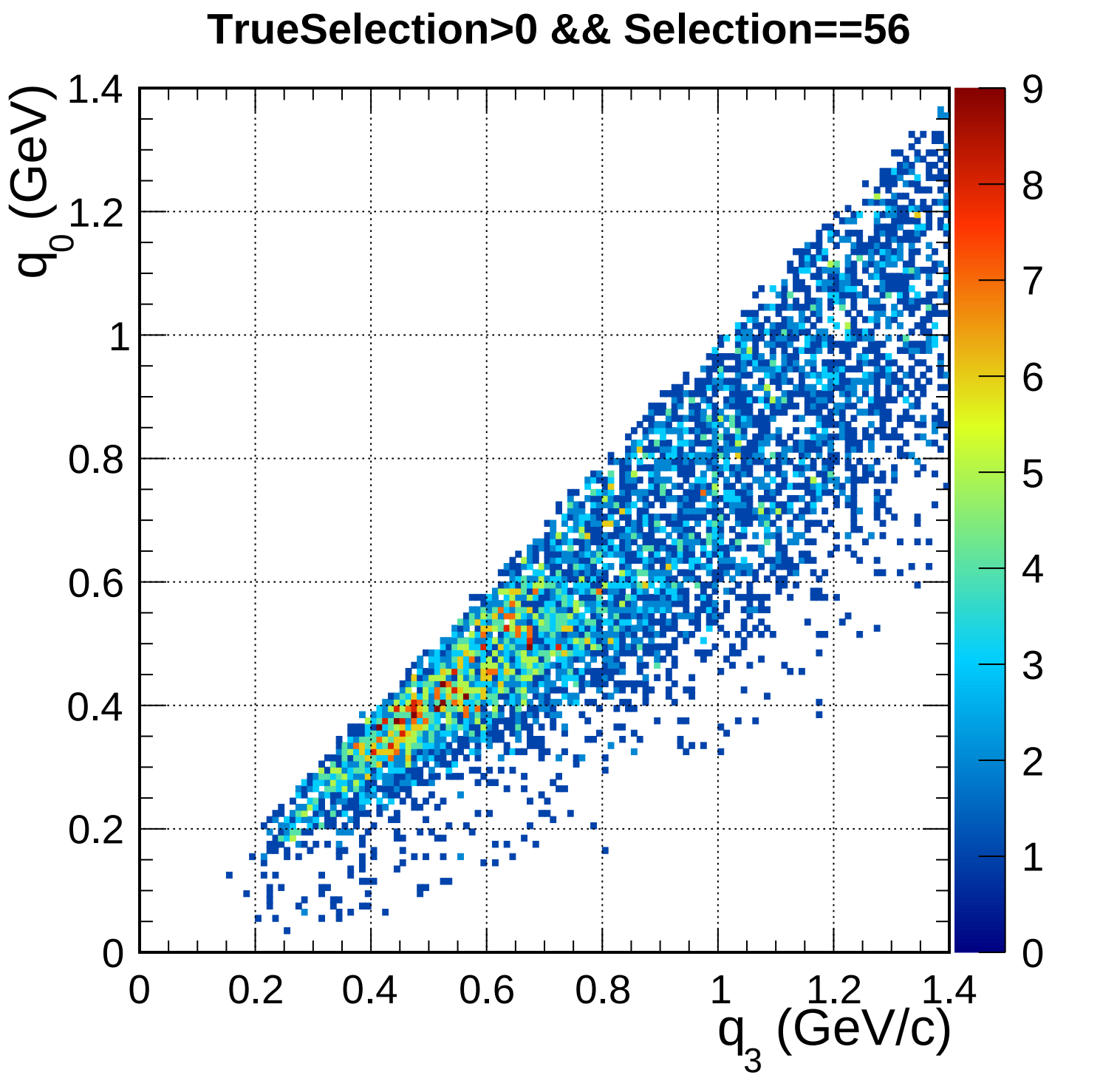

(TrueSelection>0 && Selection==50)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

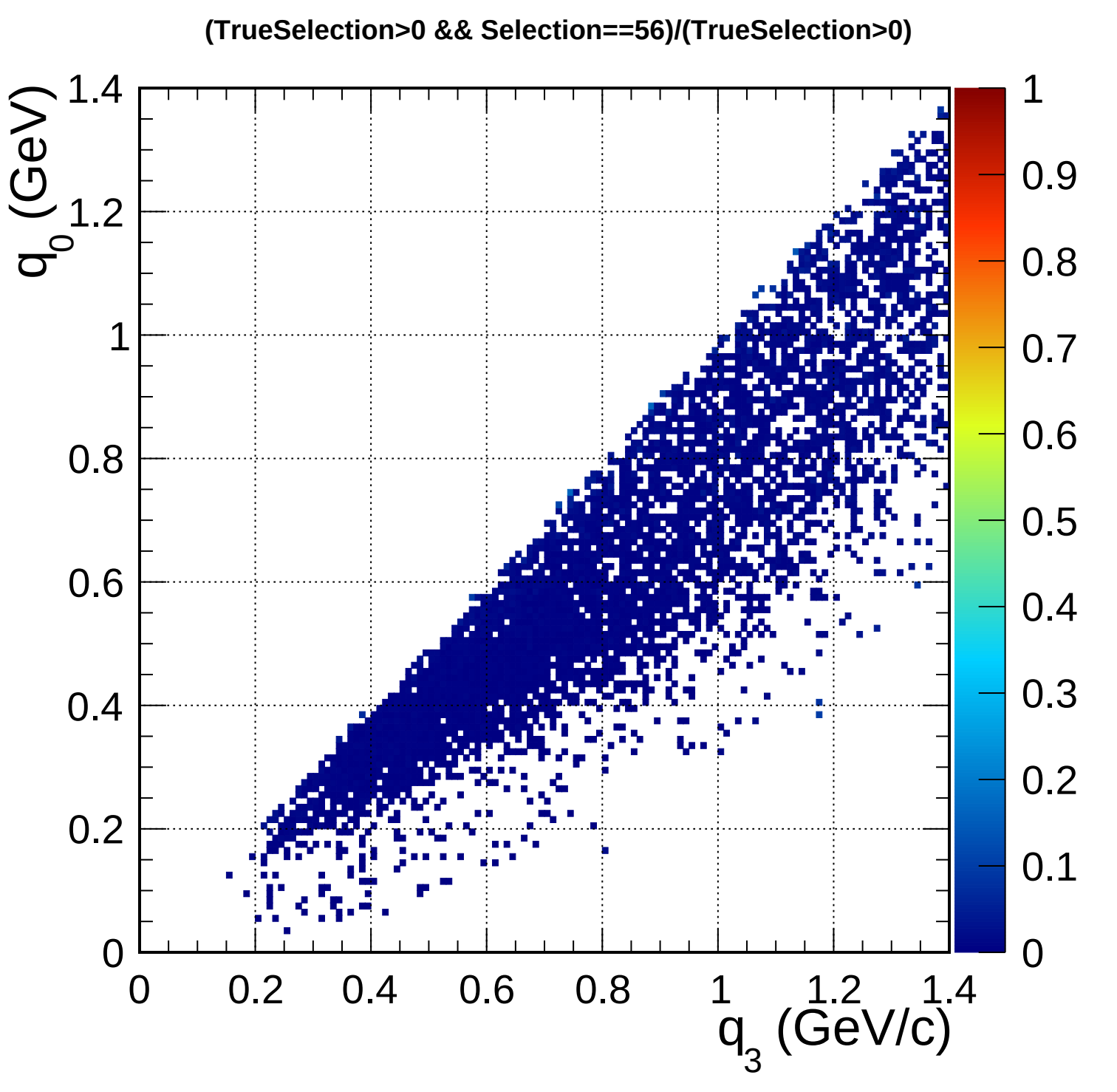

TrueSelection>0 && Selection==51
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9
10

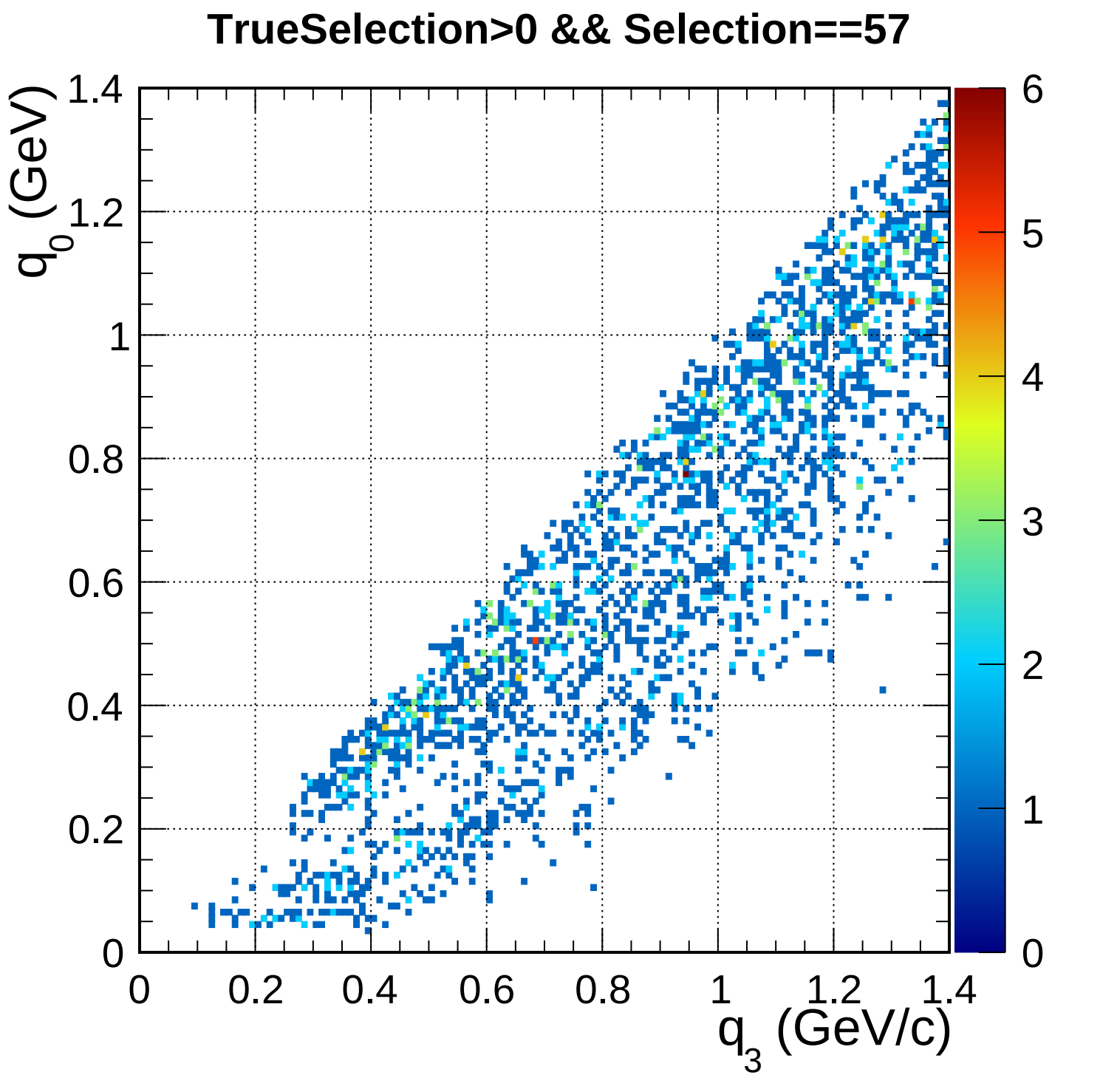

(TrueSelection>0 && Selection==51)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

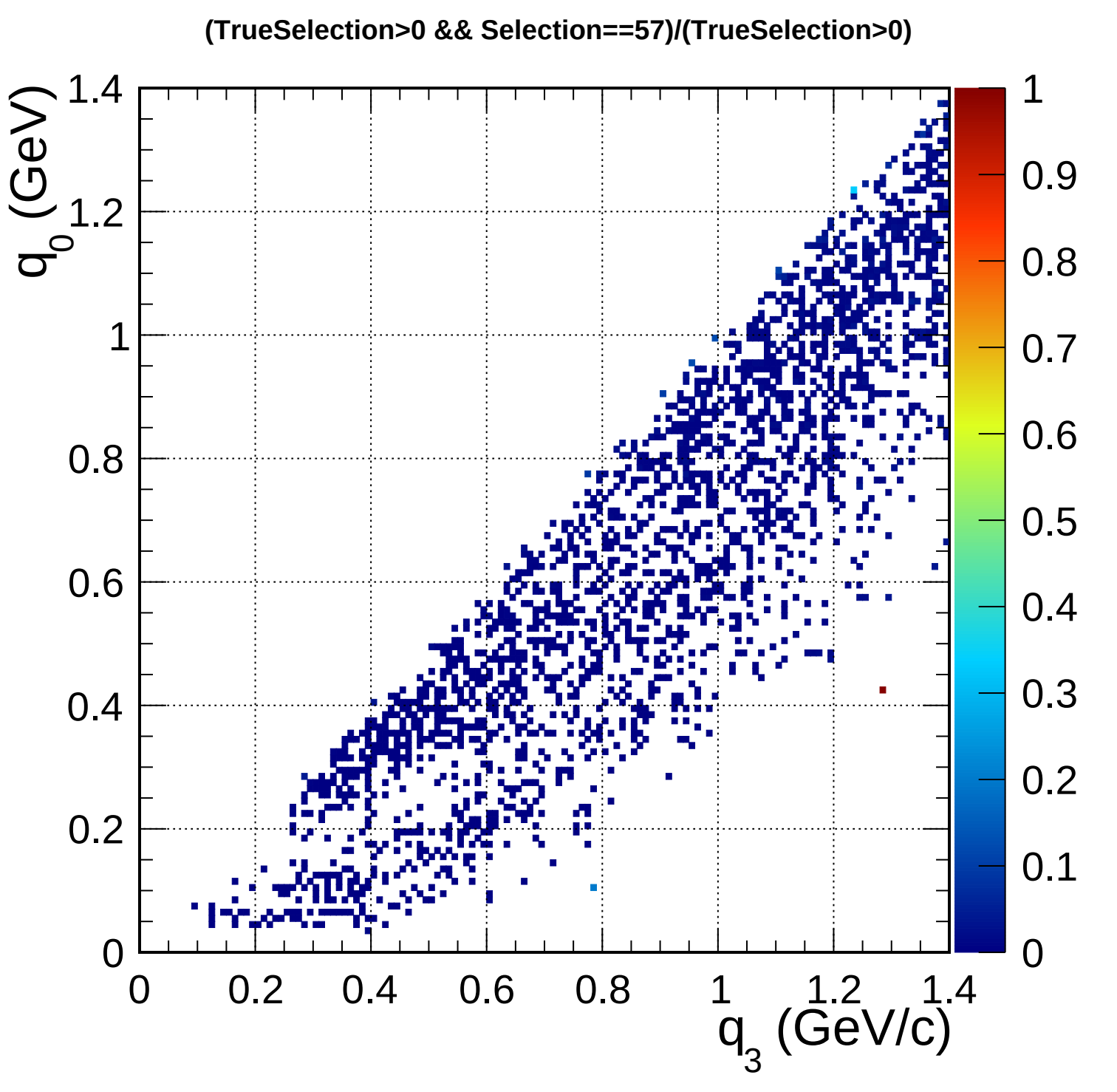

TrueSelection>0 && Selection==55
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40

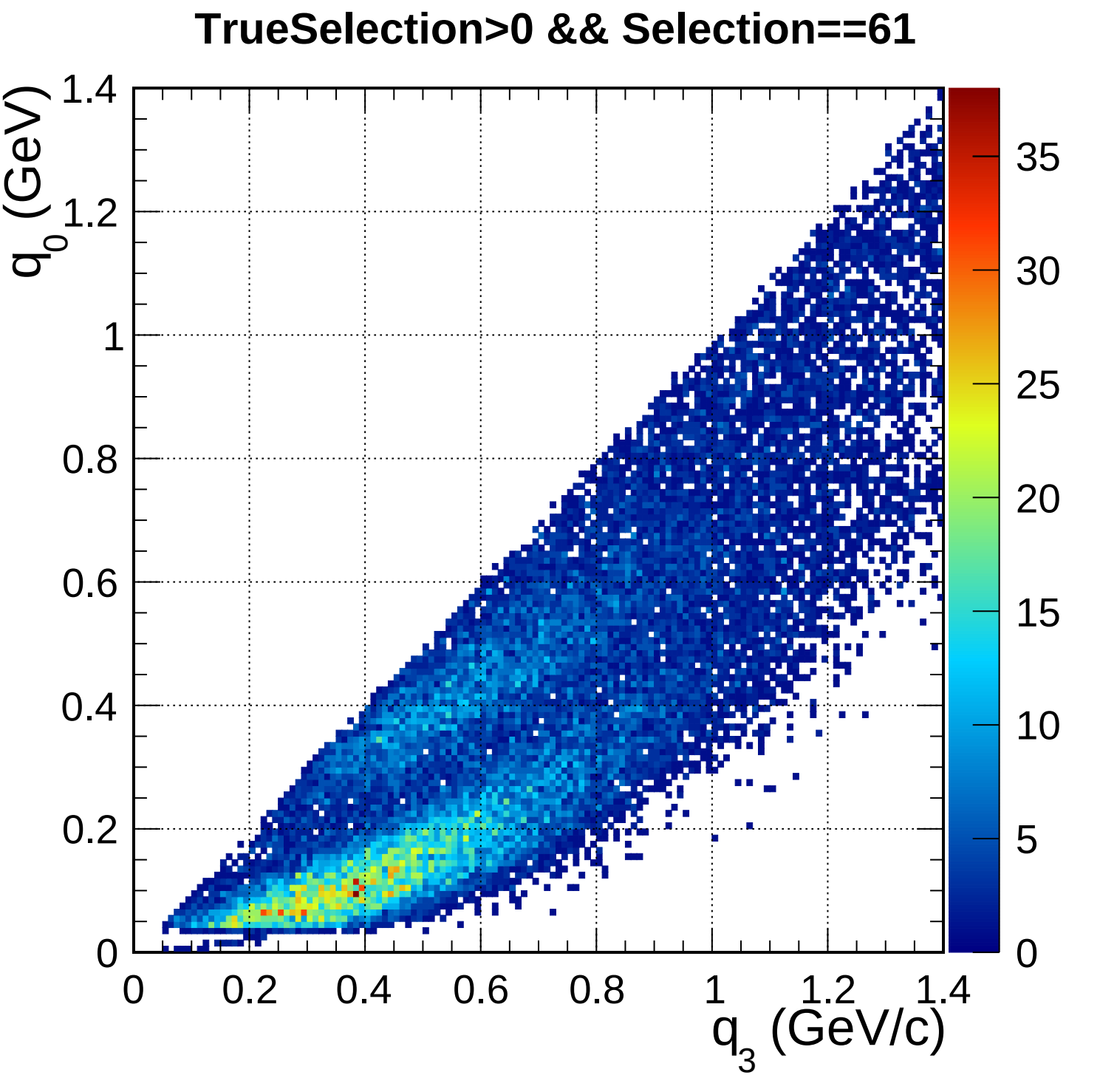

(TrueSelection>0 && Selection==55)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

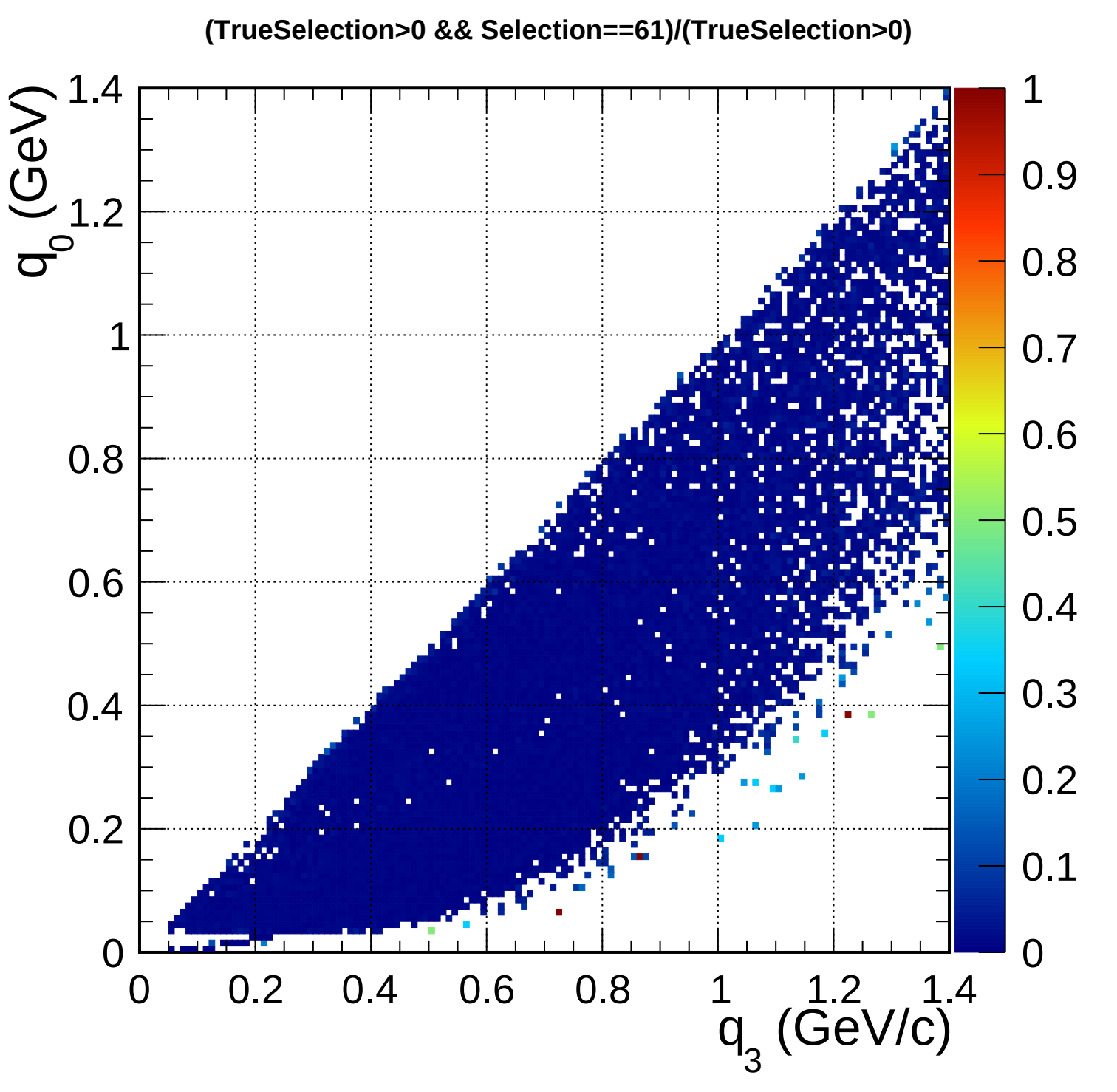

TrueSelection>0 && Selection==56
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9

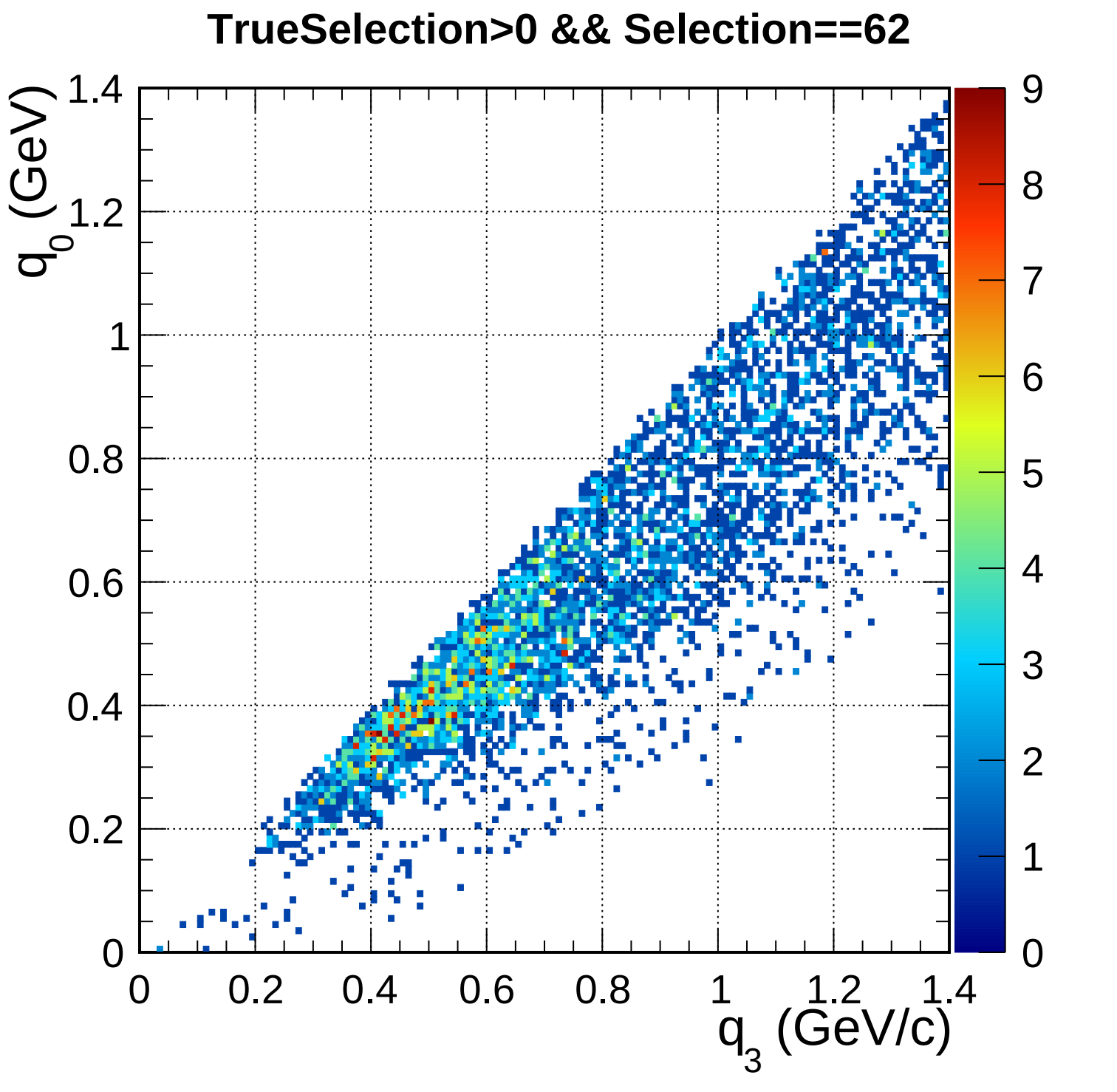

(TrueSelection>0 && Selection==56)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

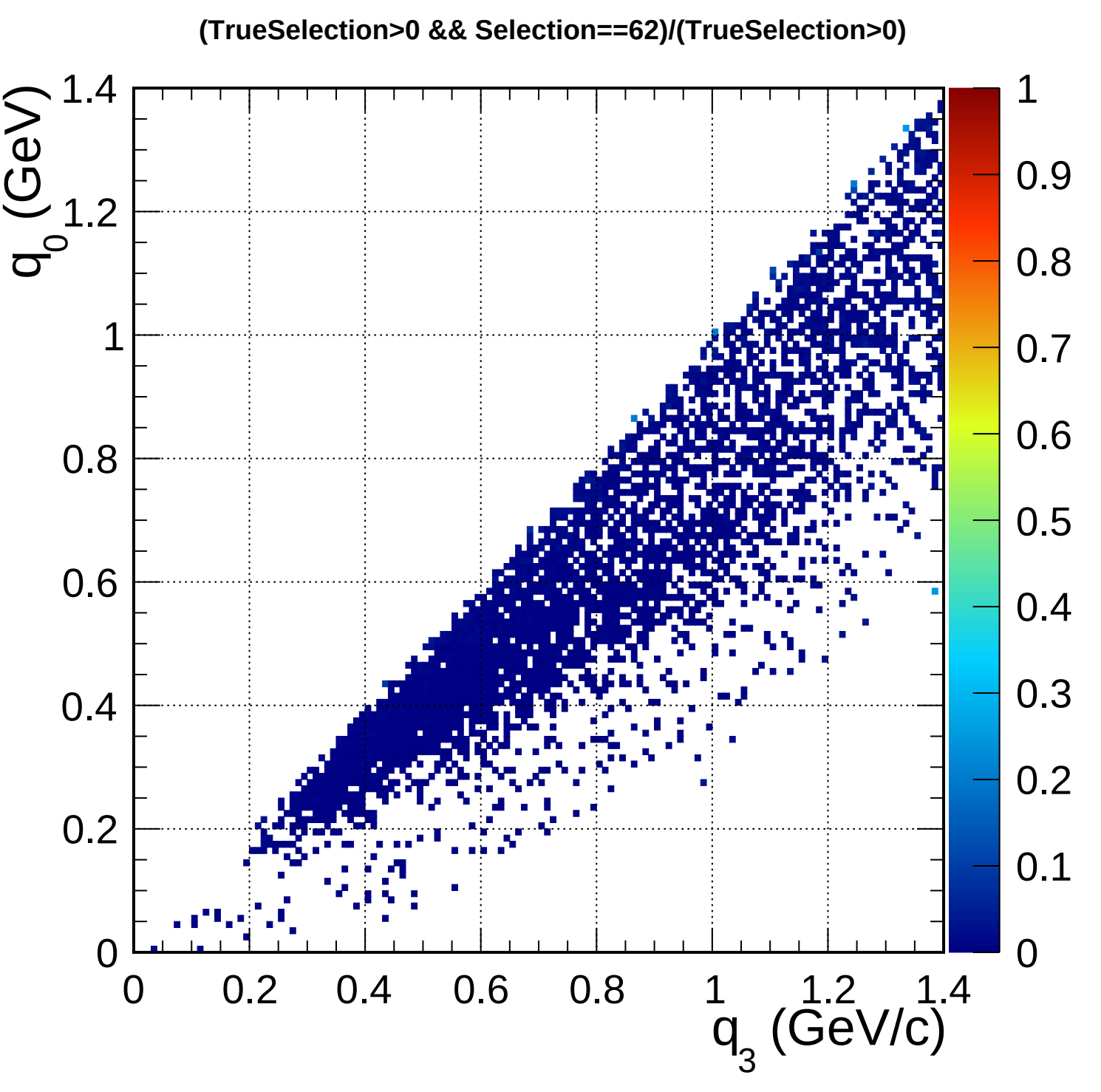

TrueSelection>0 && Selection==57
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6

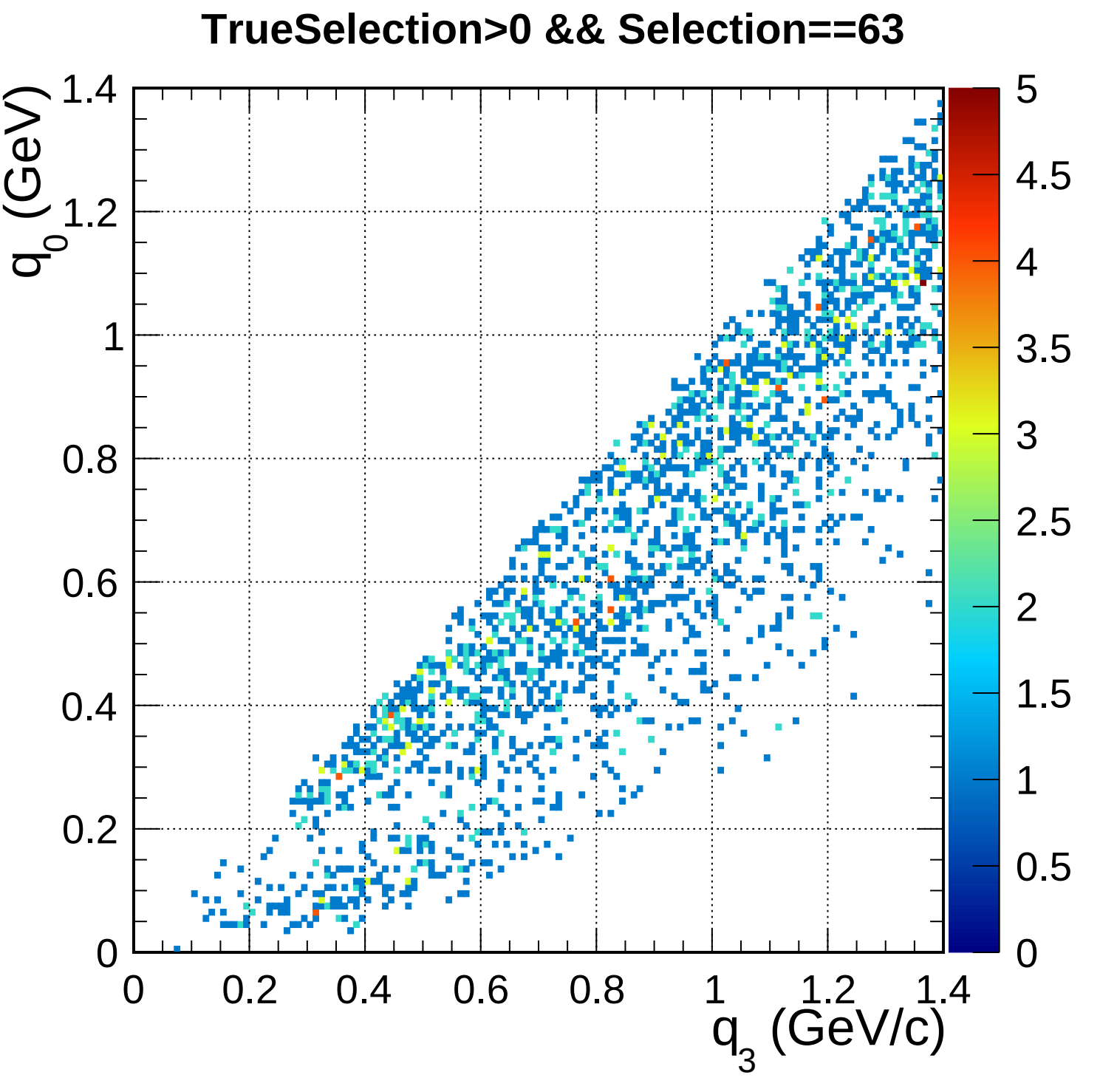

(TrueSelection>0 && Selection==57)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

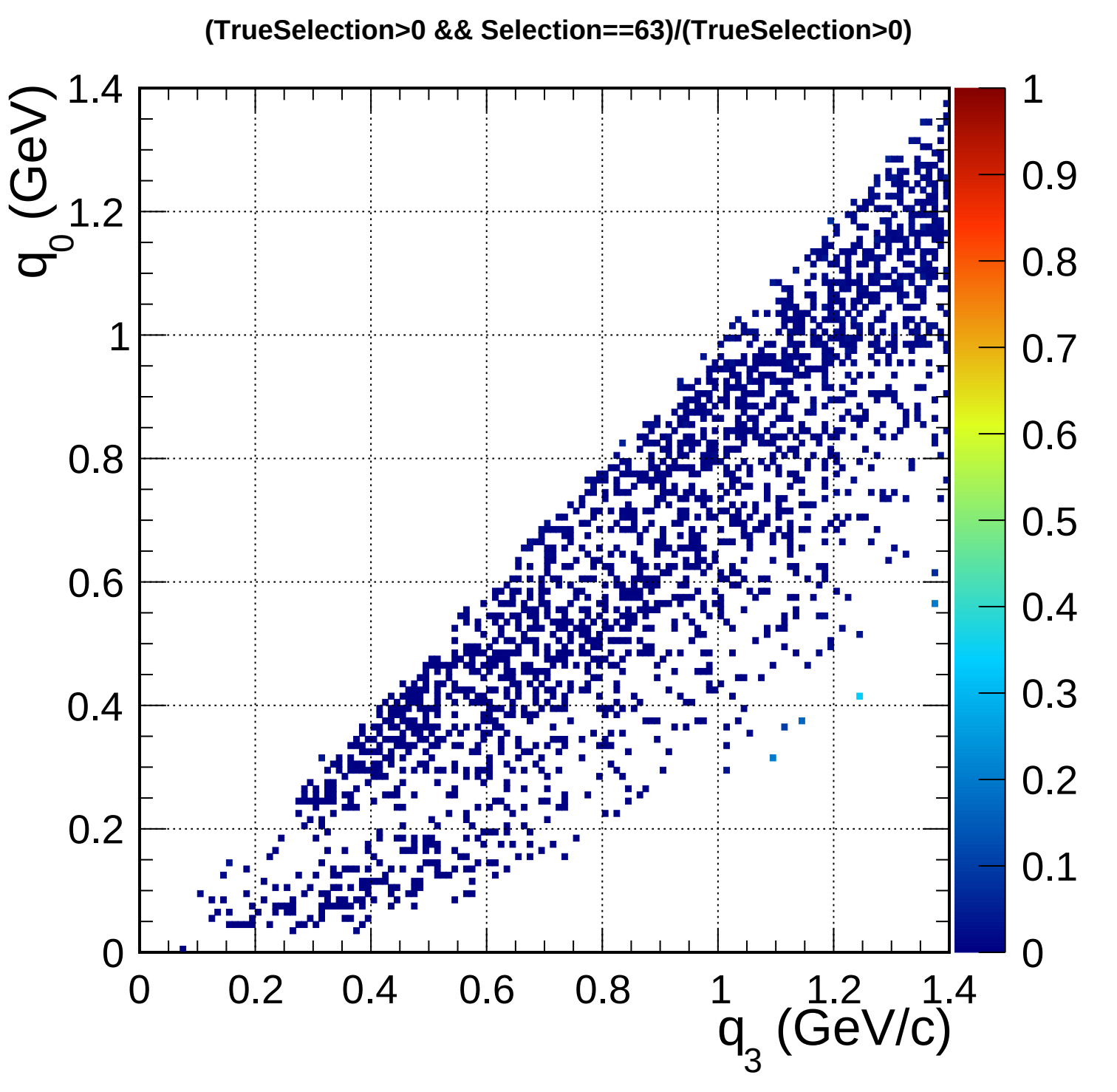

TrueSelection>0 && Selection==61
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35

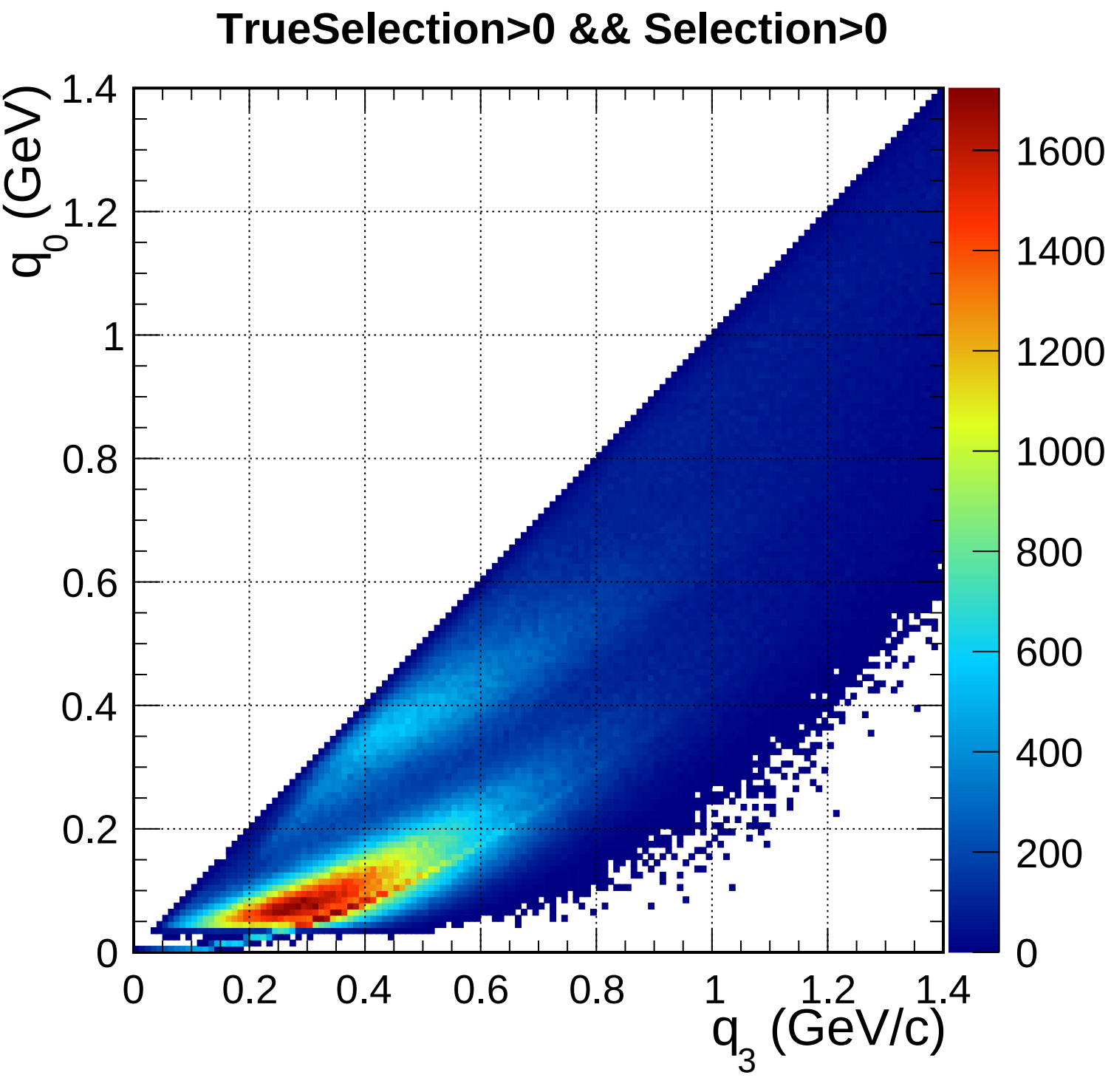

(TrueSelection>0 && Selection==61)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9

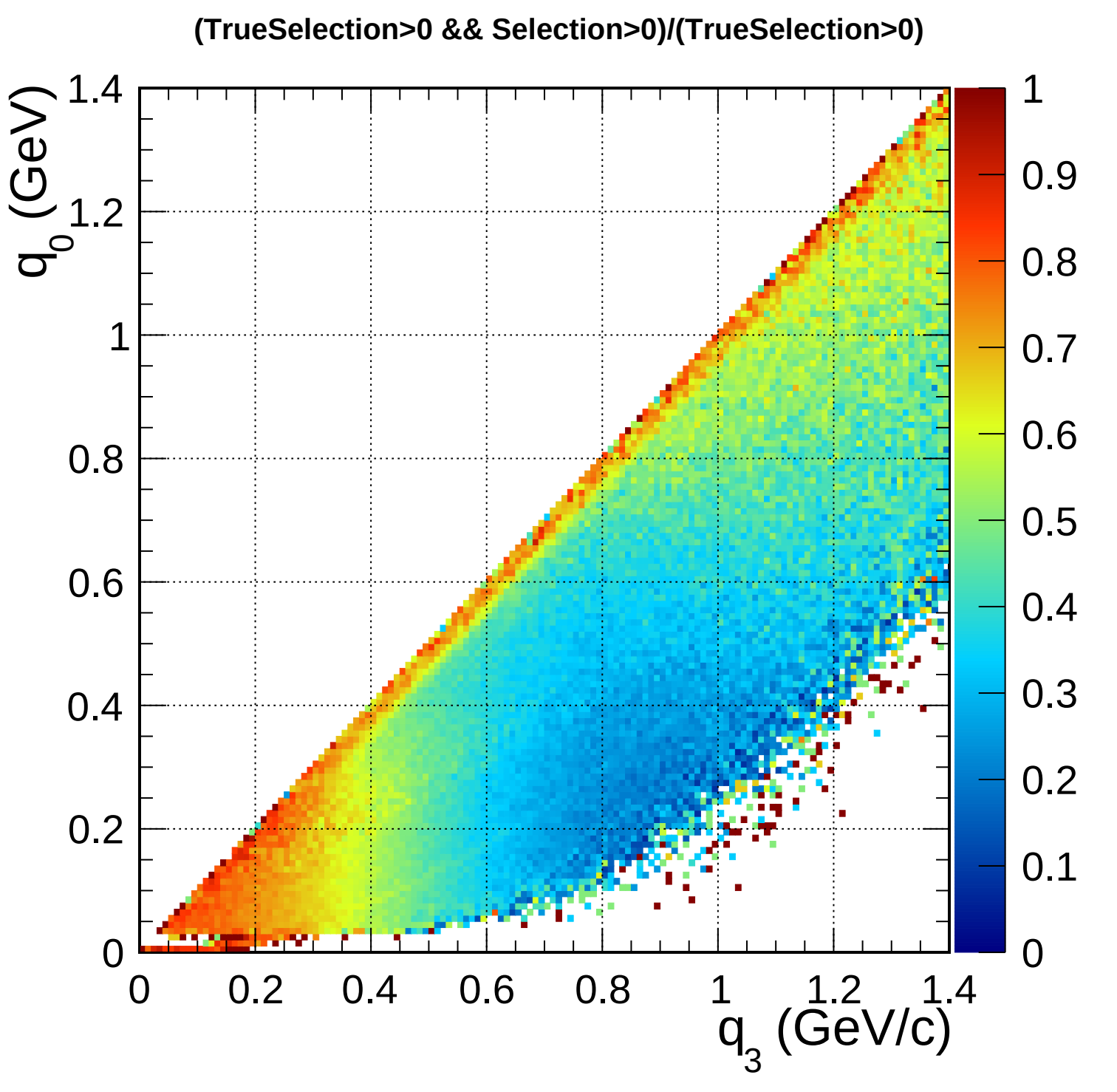

TrueSelection>0 && Selection==62
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
1
2
3
4
5
6
7
8
9


(TrueSelection>0 && Selection==62)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9


TrueSelection>0 && Selection==63
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5


(TrueSelection>0 && Selection==63)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9


TrueSelection>0 && Selection>0
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
200
400
600
800
1000
1200
1400
1600


(TrueSelection>0 && Selection>0)/(TrueSelection>0)
q_0 (GeV)
q_3 (GeV/c)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.1
0.3
0.5
0.7
0.9