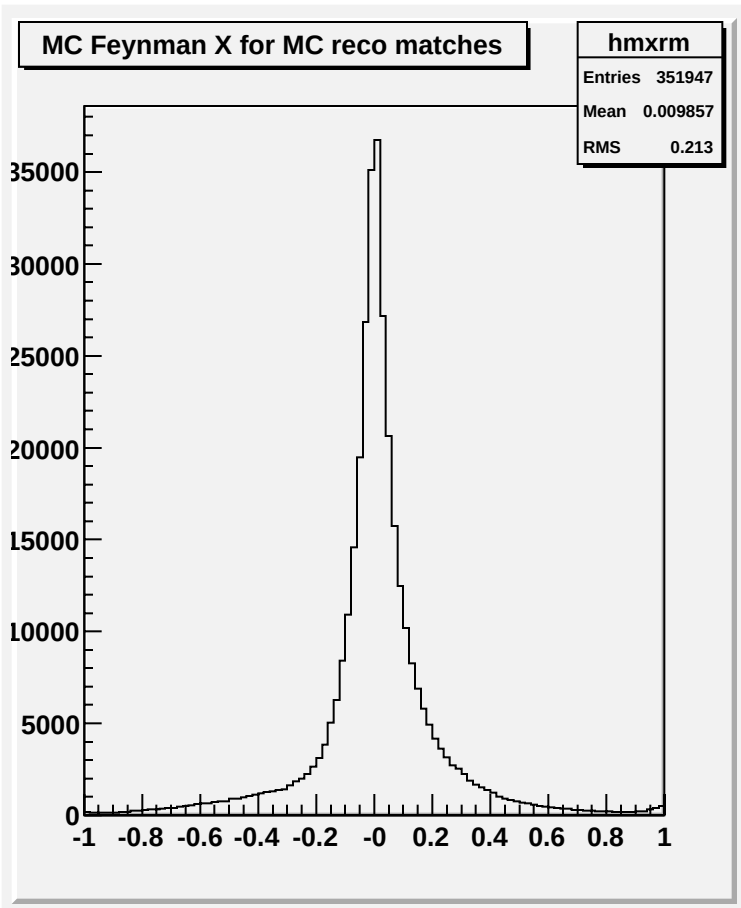
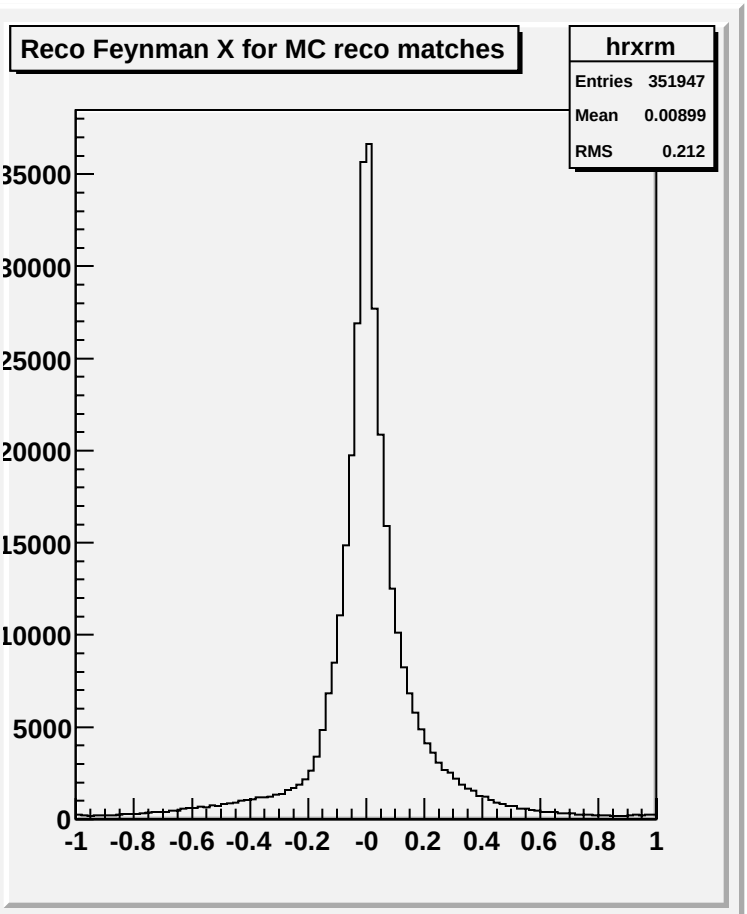
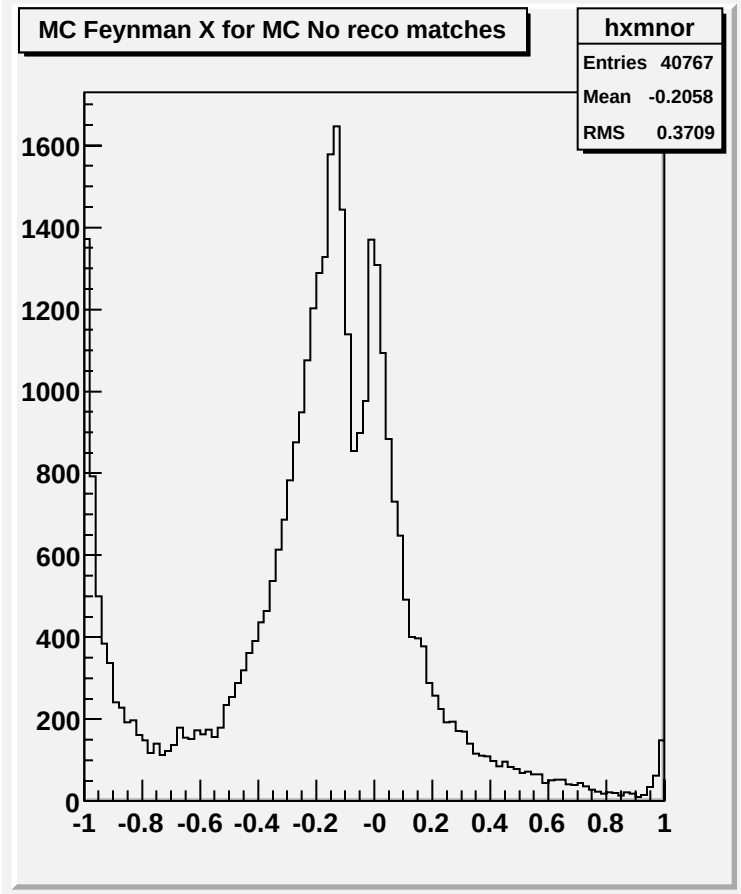
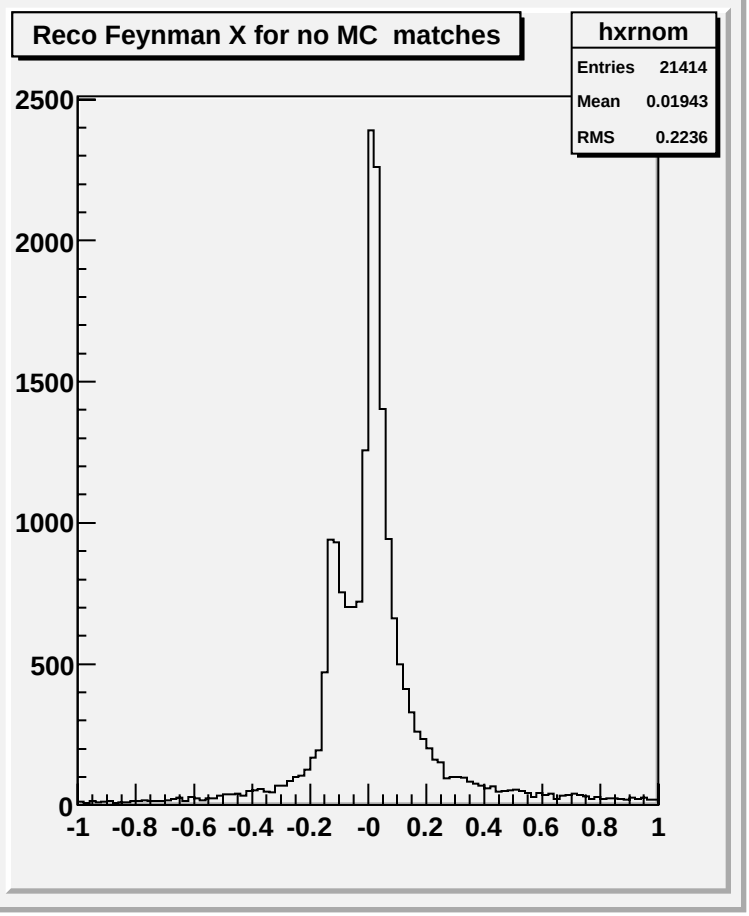
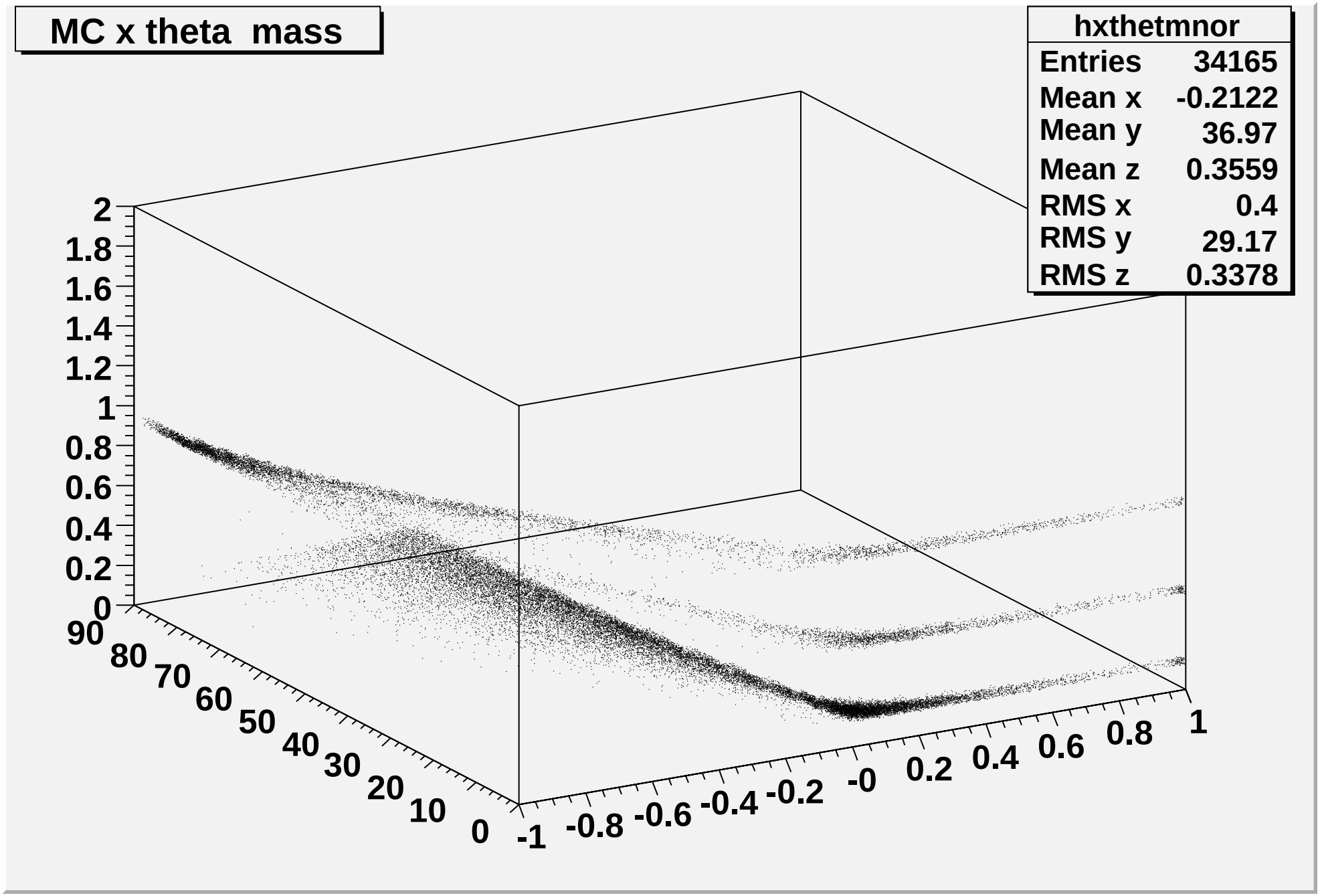
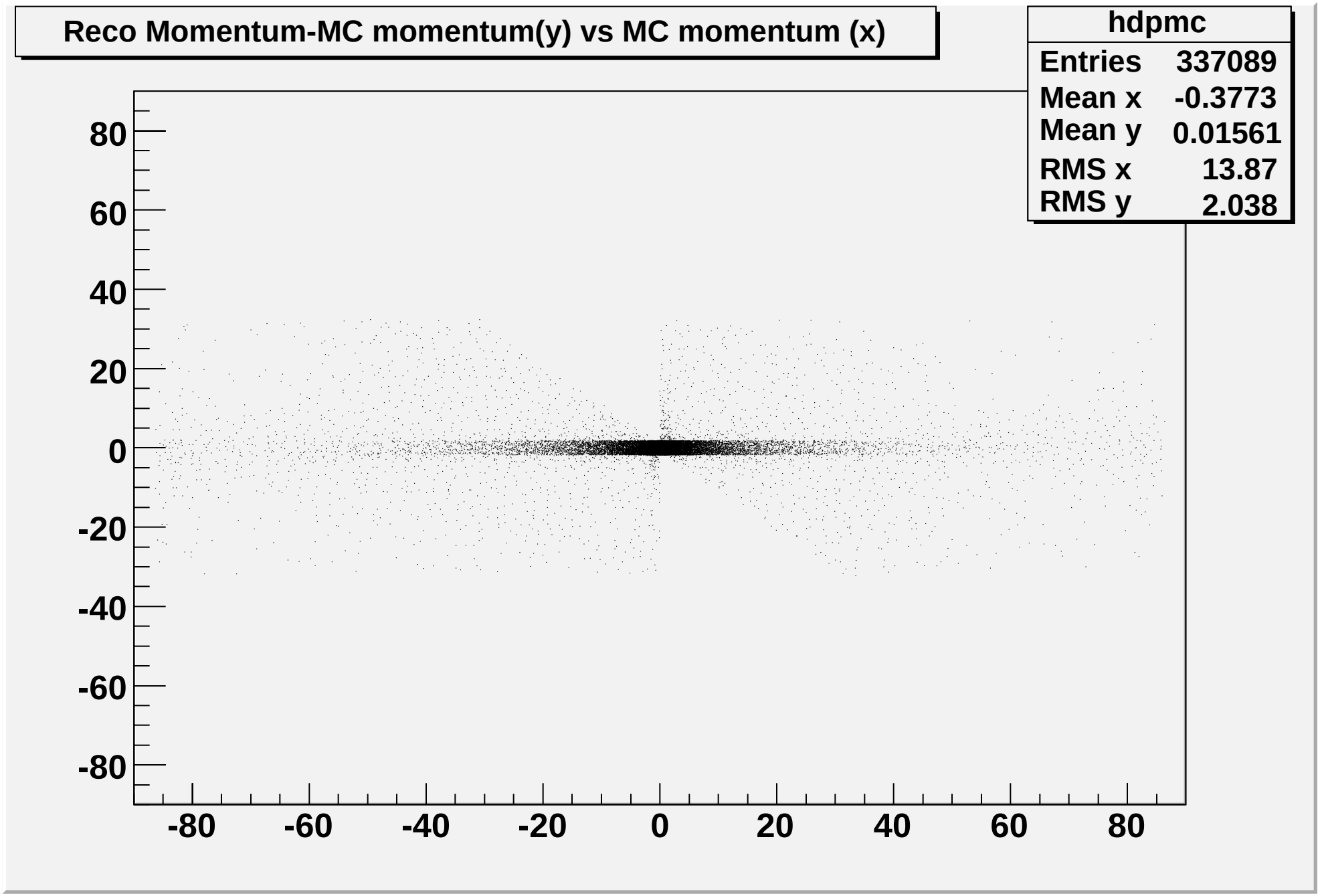

MC Feynman X for MC reco matches
hmxrm
Entries 351947
Mean 0.009857
RMS 0.213
35000
30000
25000
20000
15000
10000
5000
0
-1 -0.8 -0.6 -0.4 -0.2 -0 0.2 0.4 0.6 0.8 1

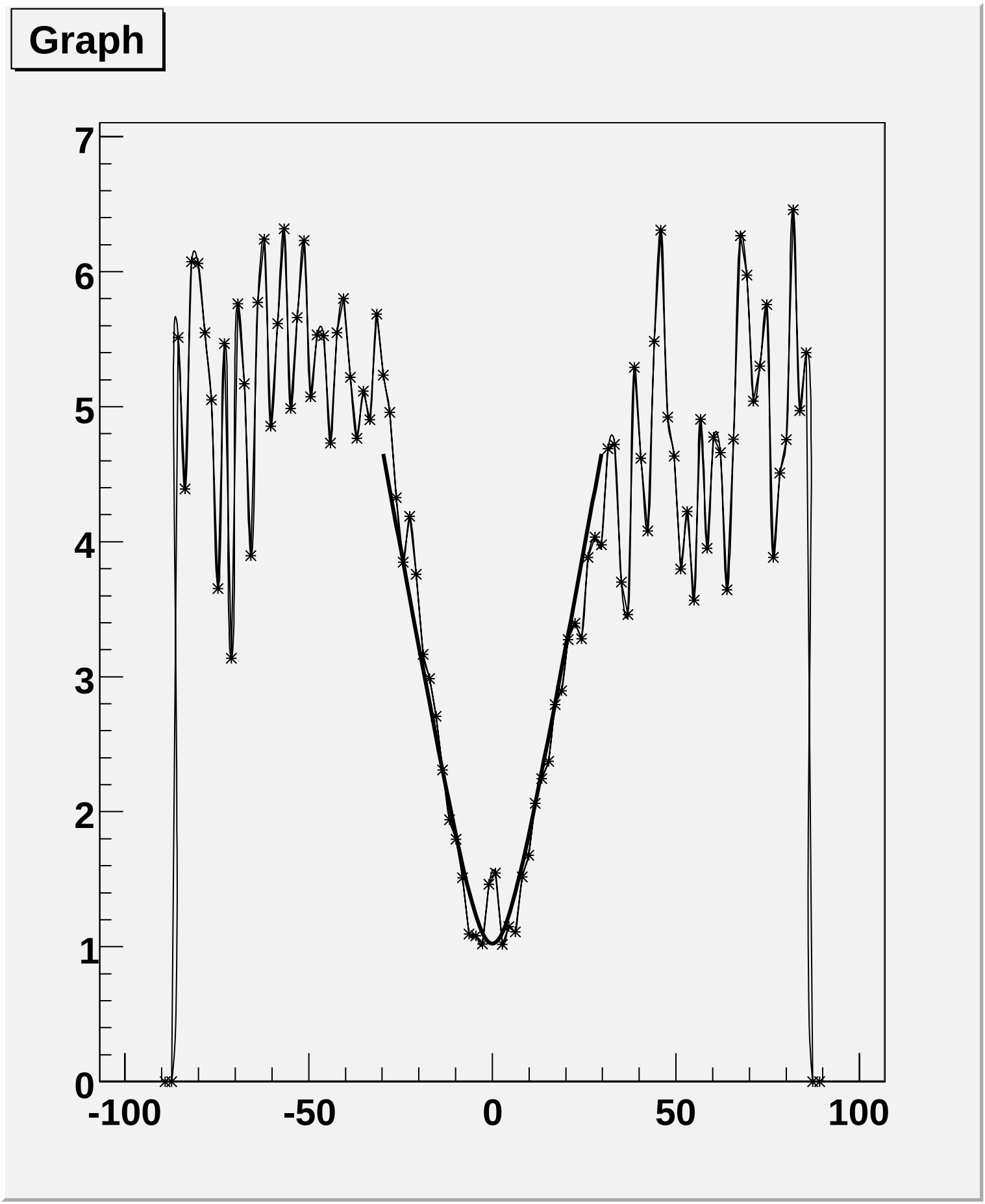

Reco Feynman X for MC reco matches
hrxrm
Entries 351947
Mean 0.00899
RMS 0.212
35000
30000
25000
20000
15000
10000
5000
0
-1 -0.8 -0.6 -0.4 -0.2 -0 0.2 0.4 0.6 0.8 1


MC Feynman X for MC No reco matches
hxmnor
Entries 40767
Mean -0.2058
RMS 0.3709
1600
1400
1200
1000
800
600
400
200
0
-1 -0.8 -0.6 -0.4 -0.2 -0 0.2 0.4 0.6 0.8 1


Reco Feynman X for no MC matches
hxrnom
Entries 21414
Mean 0.01943
RMS 0.2236
2500
2000
1500
1000
500
0
-1 -0.8 -0.6 -0.4 -0.2 -0 0.2 0.4 0.6 0.8 1


MC x theta mass
hxthetmnor
Entries 34165
Mean x -0.2122
Mean y 36.97
Mean z 0.3559
RMS x 0.4
RMS y 29.17
RMS z 0.3378
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
90
80
70
60
50
40
30
20
10
0
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1


Reco Momentum-MC momentum(y) vs MC momentum (x)
hdpmc
Entries 337089
Mean x -0.3773
Mean y 0.01561
RMS x 13.87
RMS y 2.038
80
60
40
20
0
-20
-40
-60
-80
-80
-60
-40
-20
0
20
40
60
80


Graph
7
6
5
4
3
2
1
0
-100
-50
0
50
100