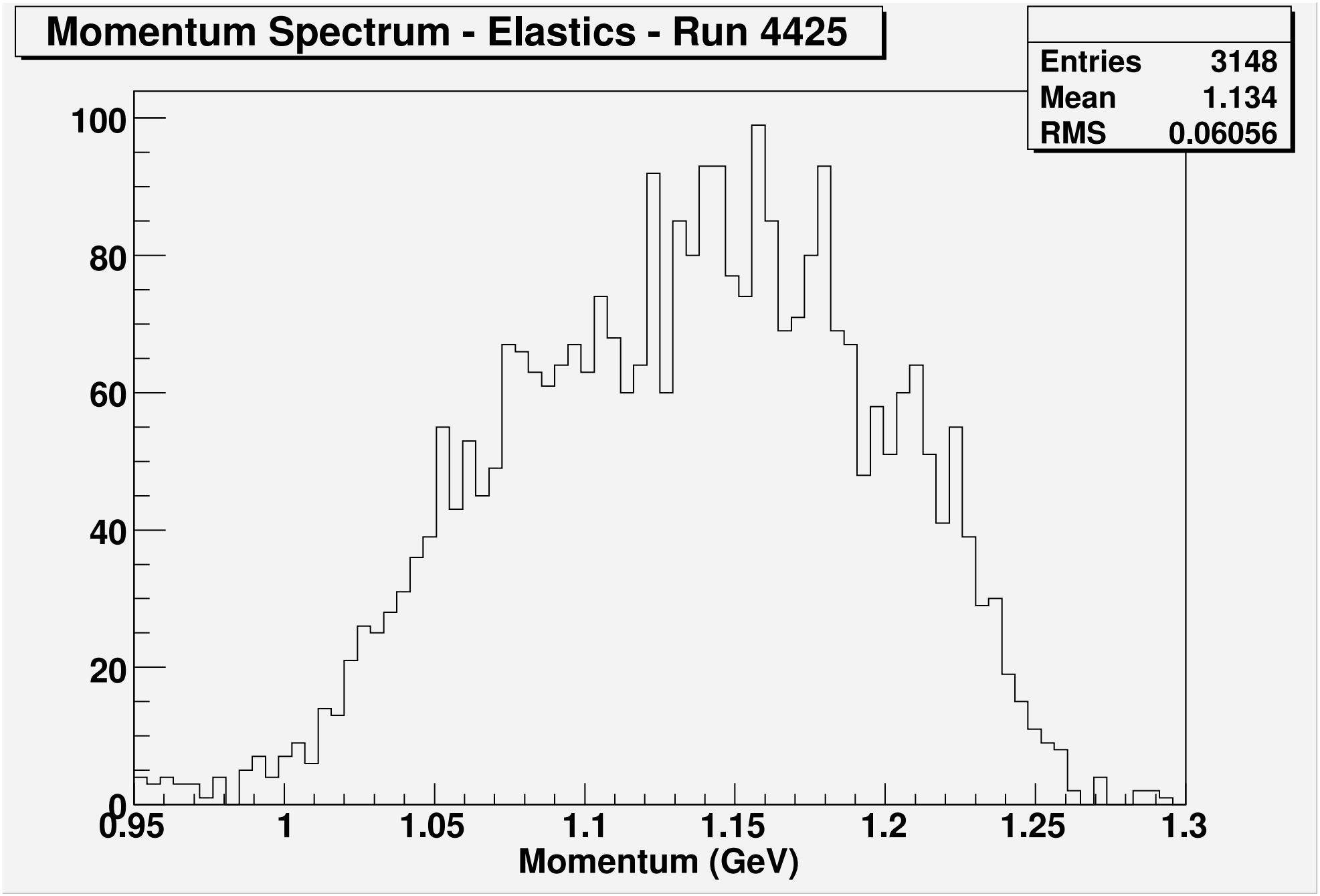
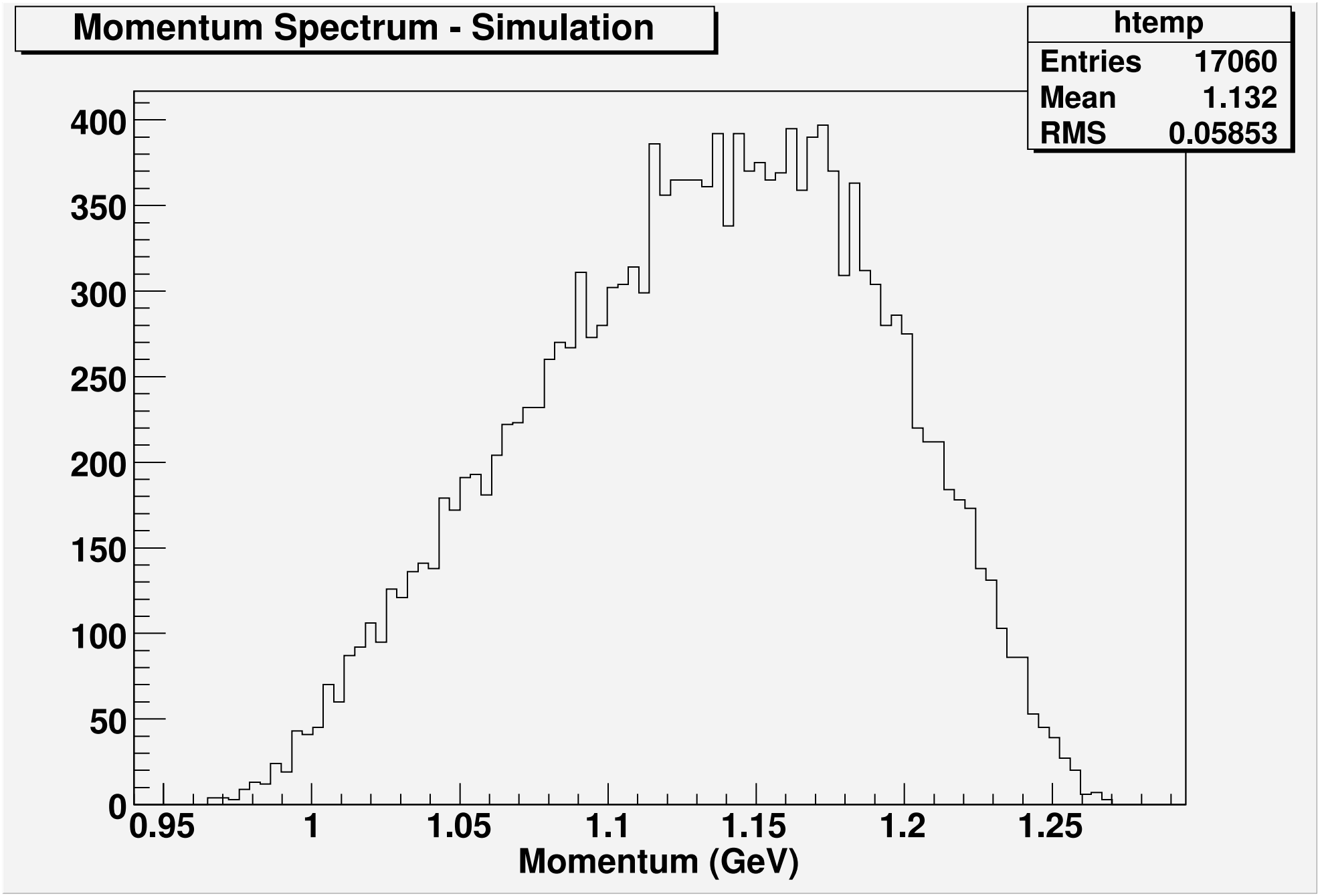
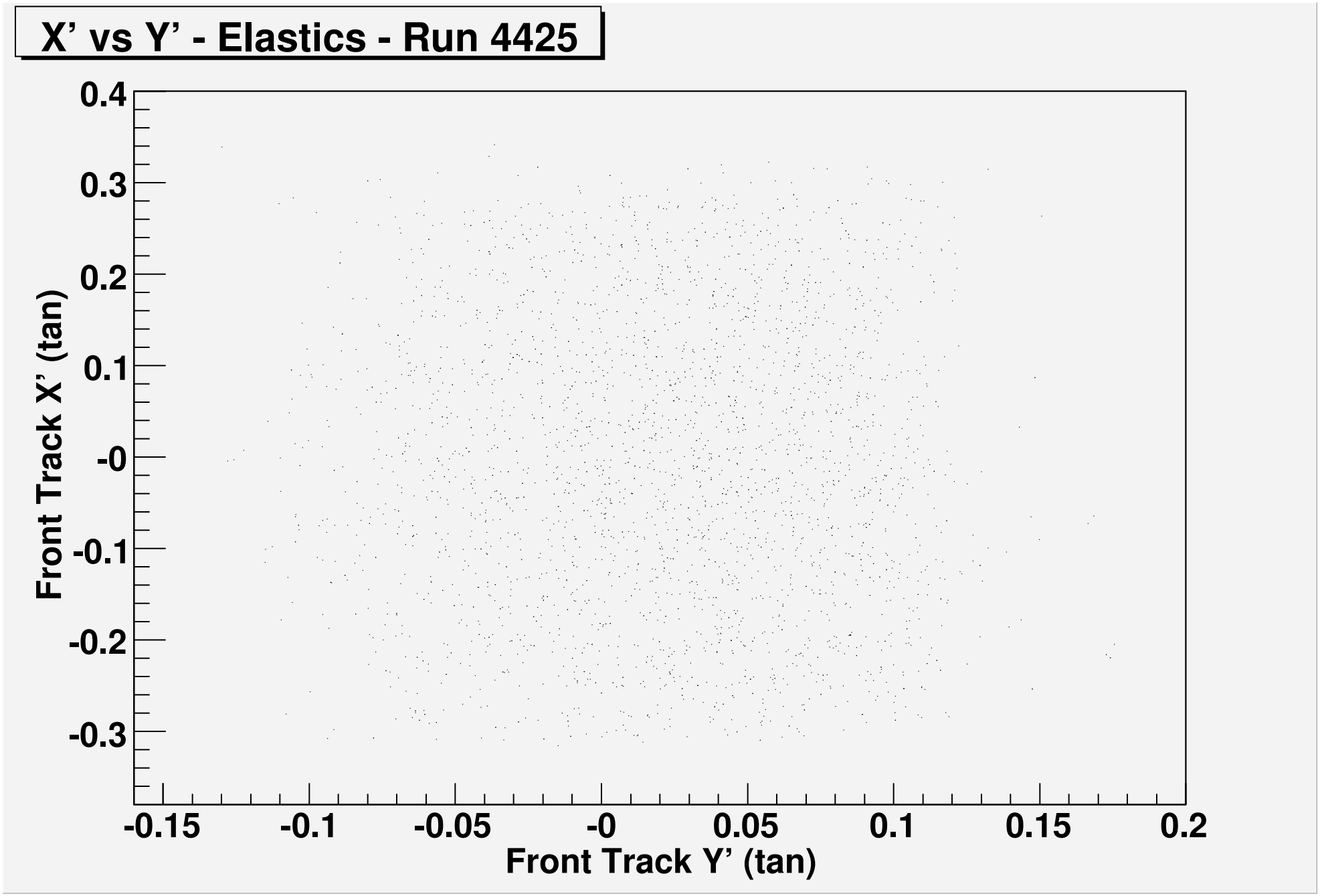
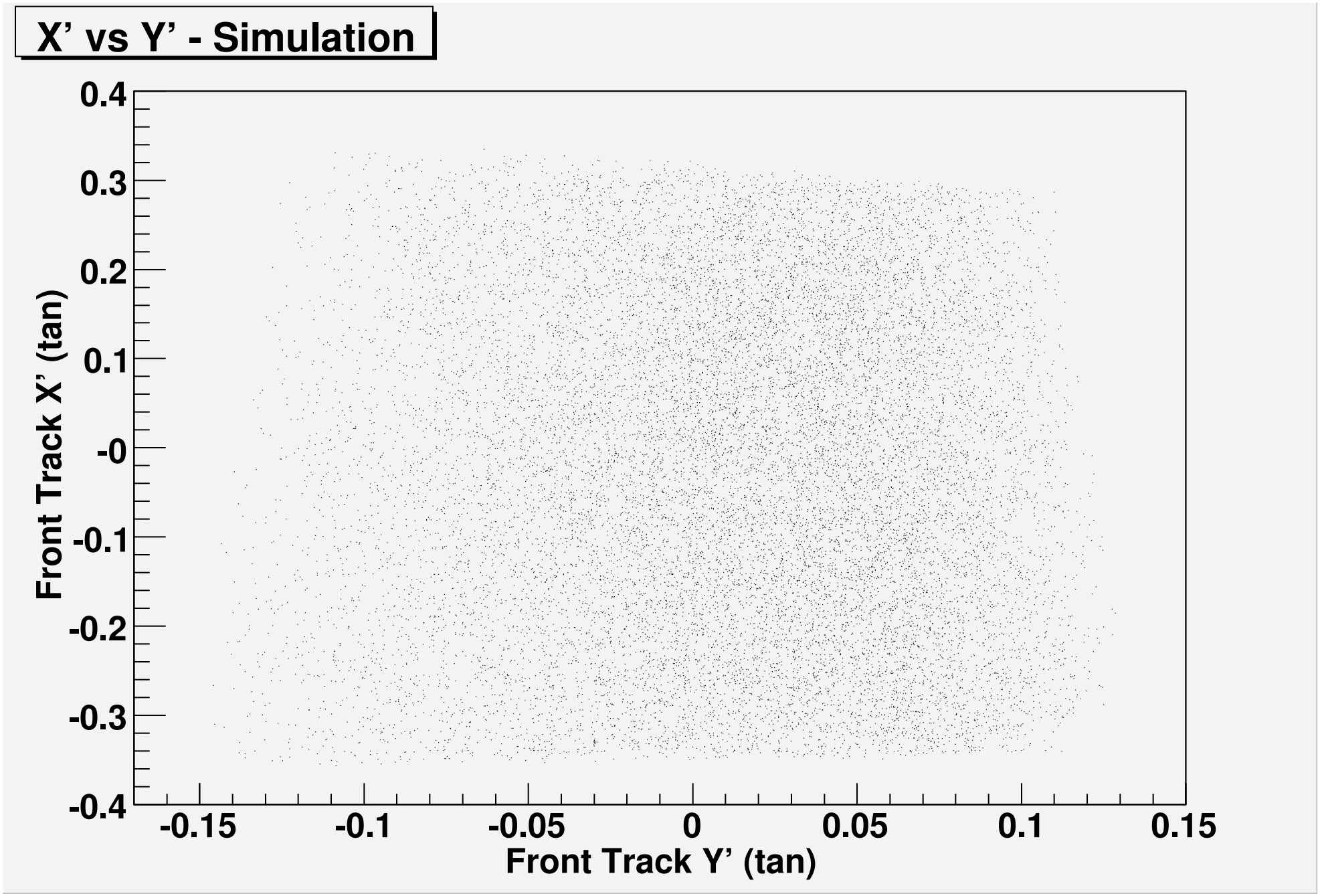
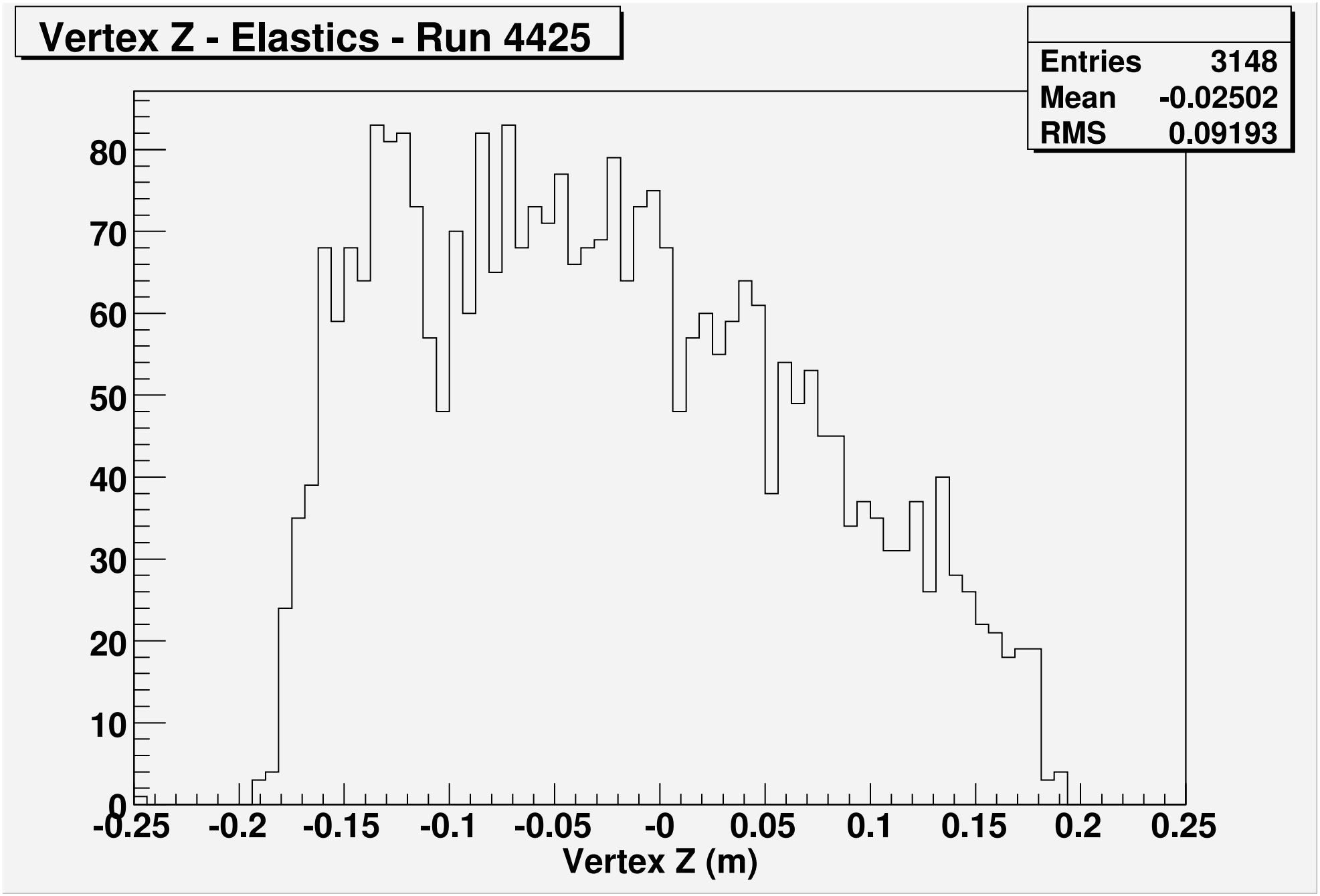
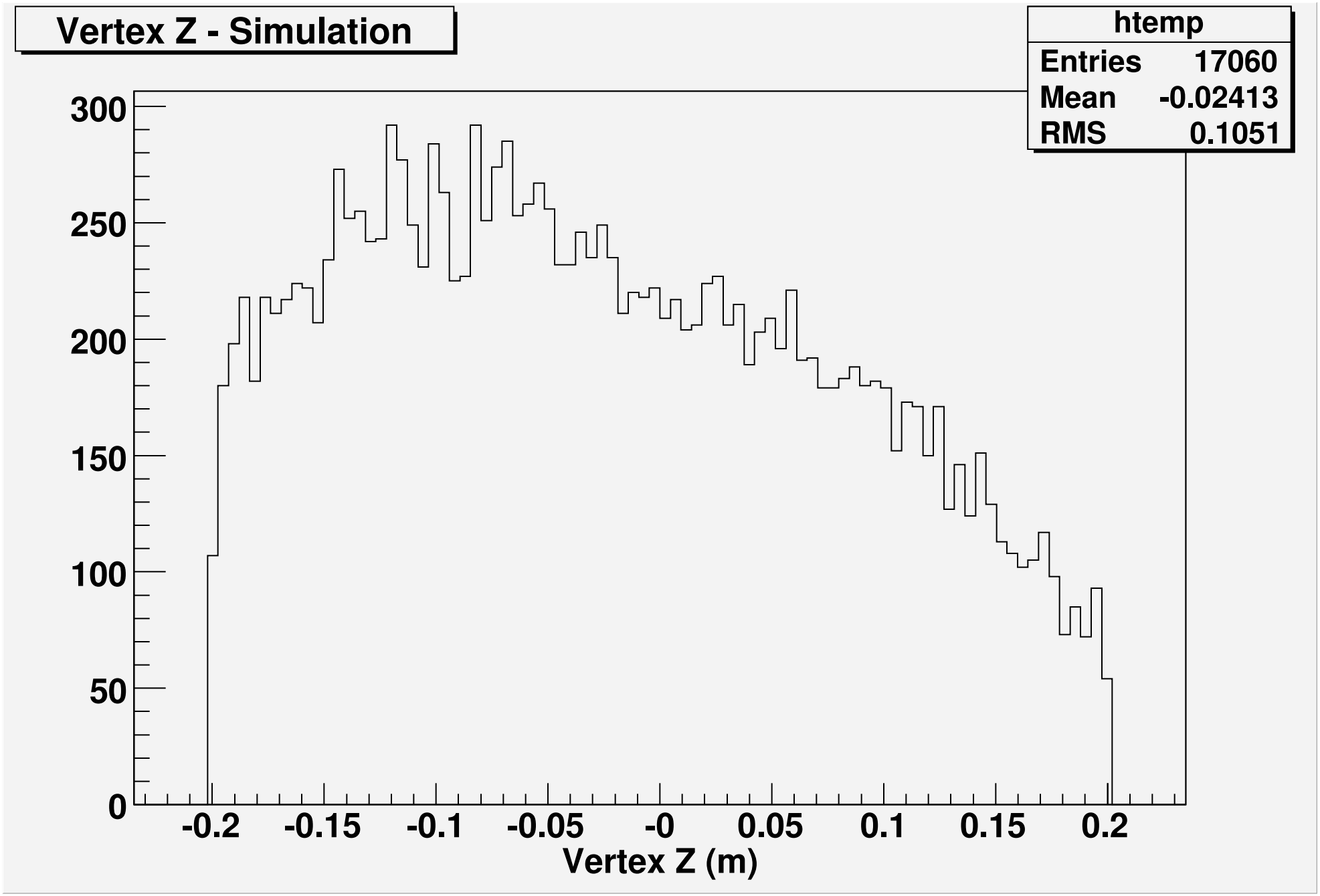

Momentum Spectrum - Elastics - Run 4425
Entries 3148
Mean 1.134
RMS 0.06056
100
80
60
40
20
0
0.95
1
1.05
1.1
1.15
1.2
1.25
1.3
Momentum (GeV)

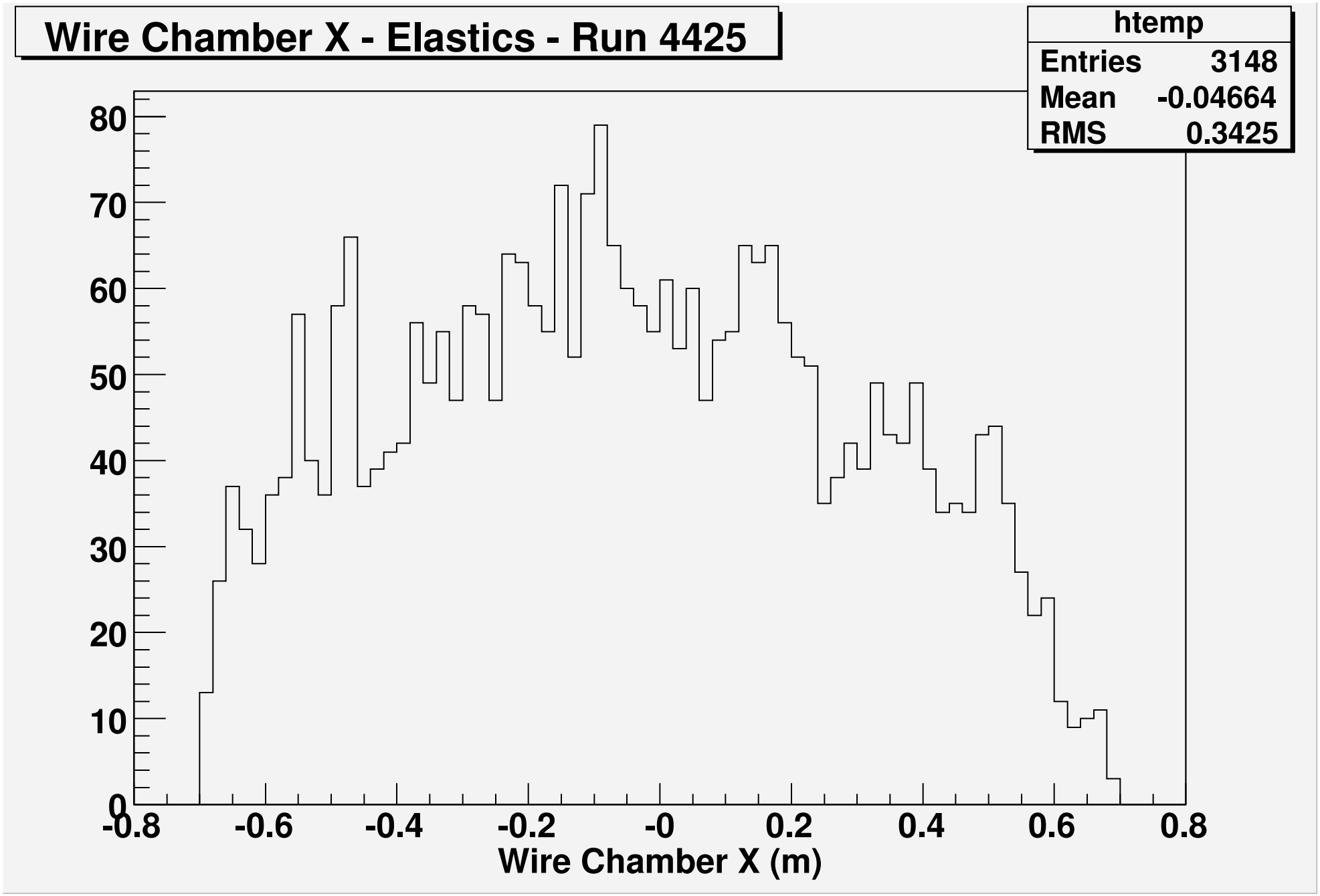

Momentum Spectrum - Simulation
htemp
Entries 17060
Mean 1.132
RMS 0.05853
400
350
300
250
200
150
100
50
0
0.95
1
1.05
1.1
1.15
1.2
1.25
Momentum (GeV)

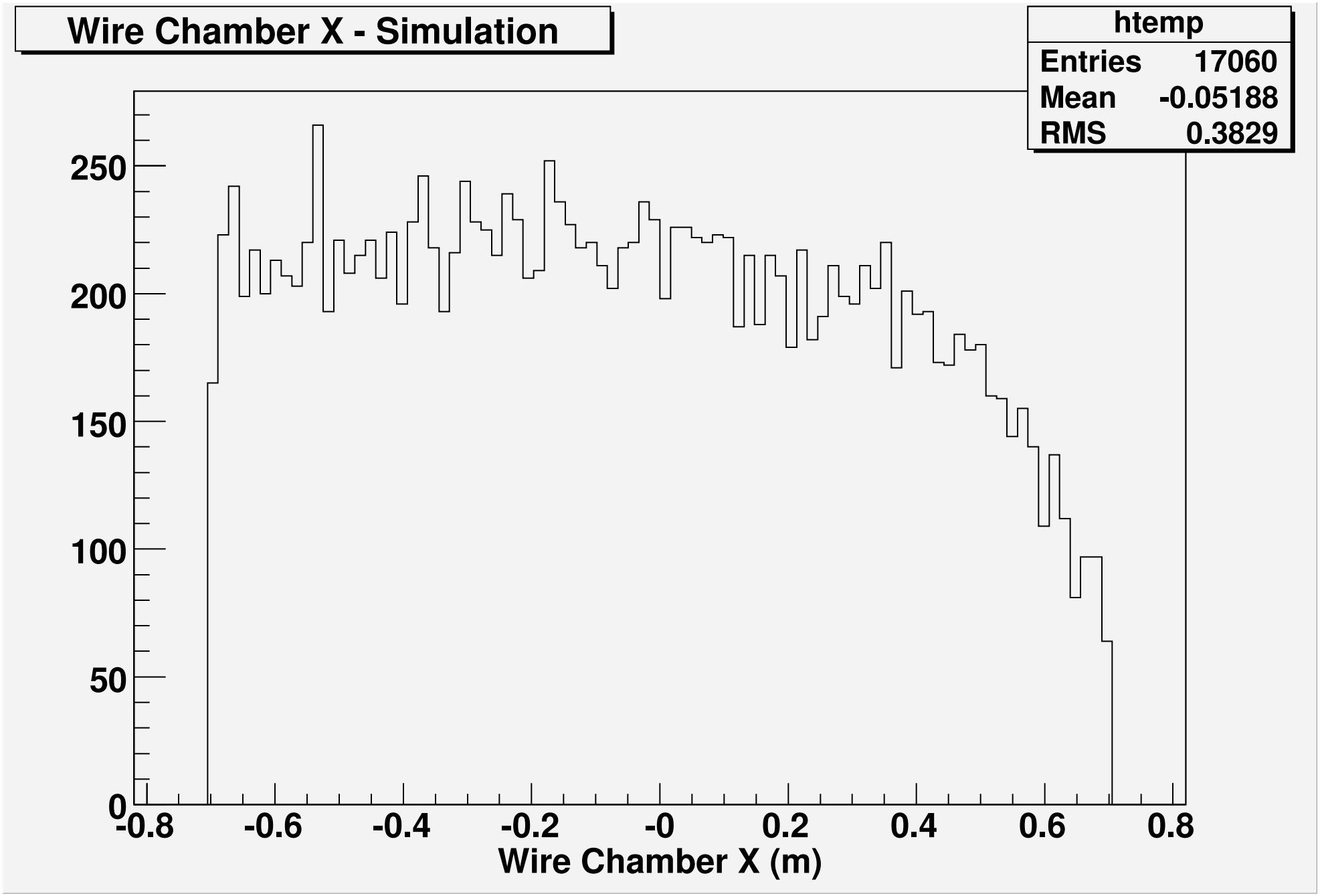

X' vs Y' - Elastics - Run 4425
Front Track X' (tan)
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.15
-0.1
-0.05
-0
0.05
0.1
0.15
0.2
Front Track Y' (tan)

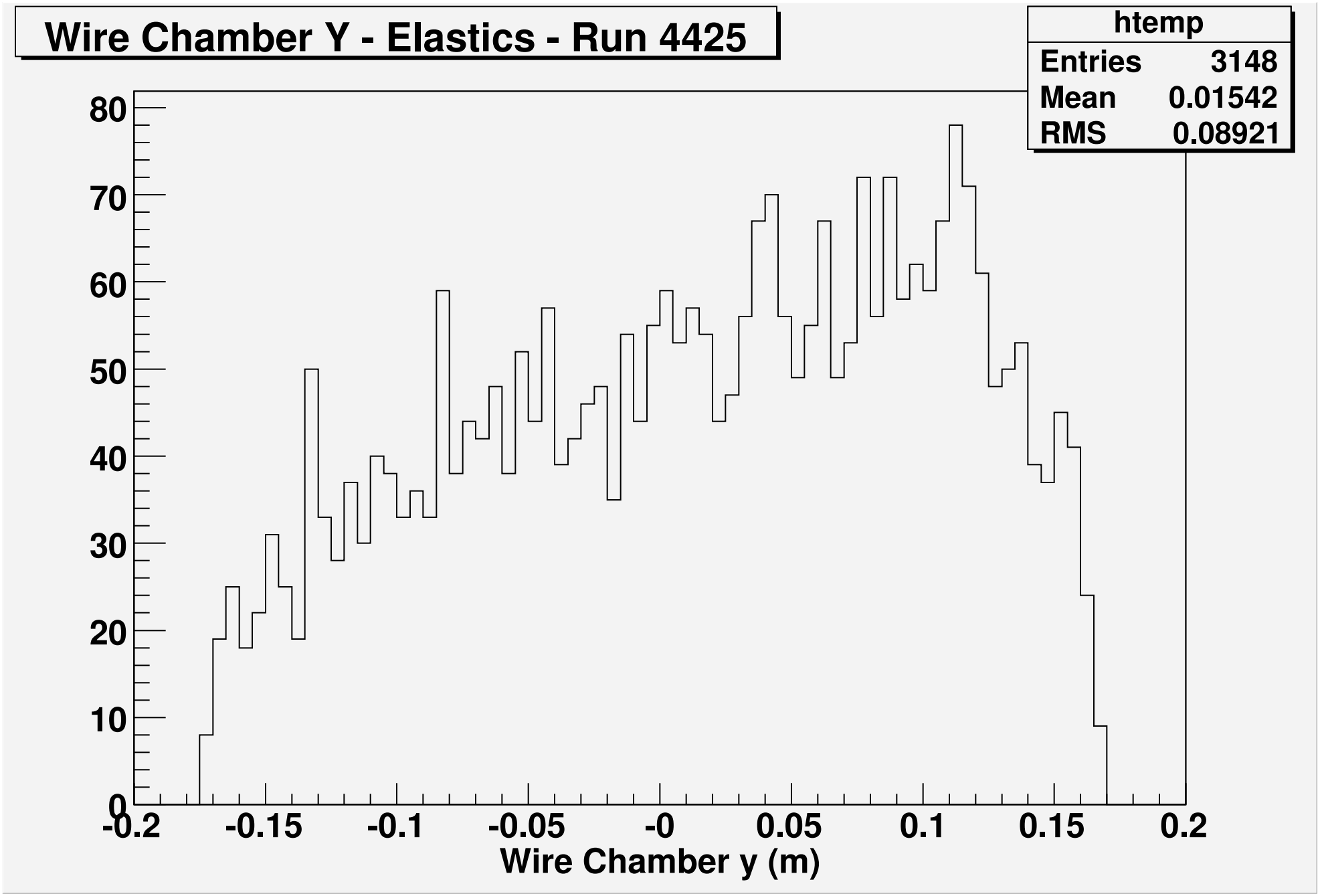

X' vs Y' - Simulation
Front Track X' (tan)
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
Front Track Y' (tan)

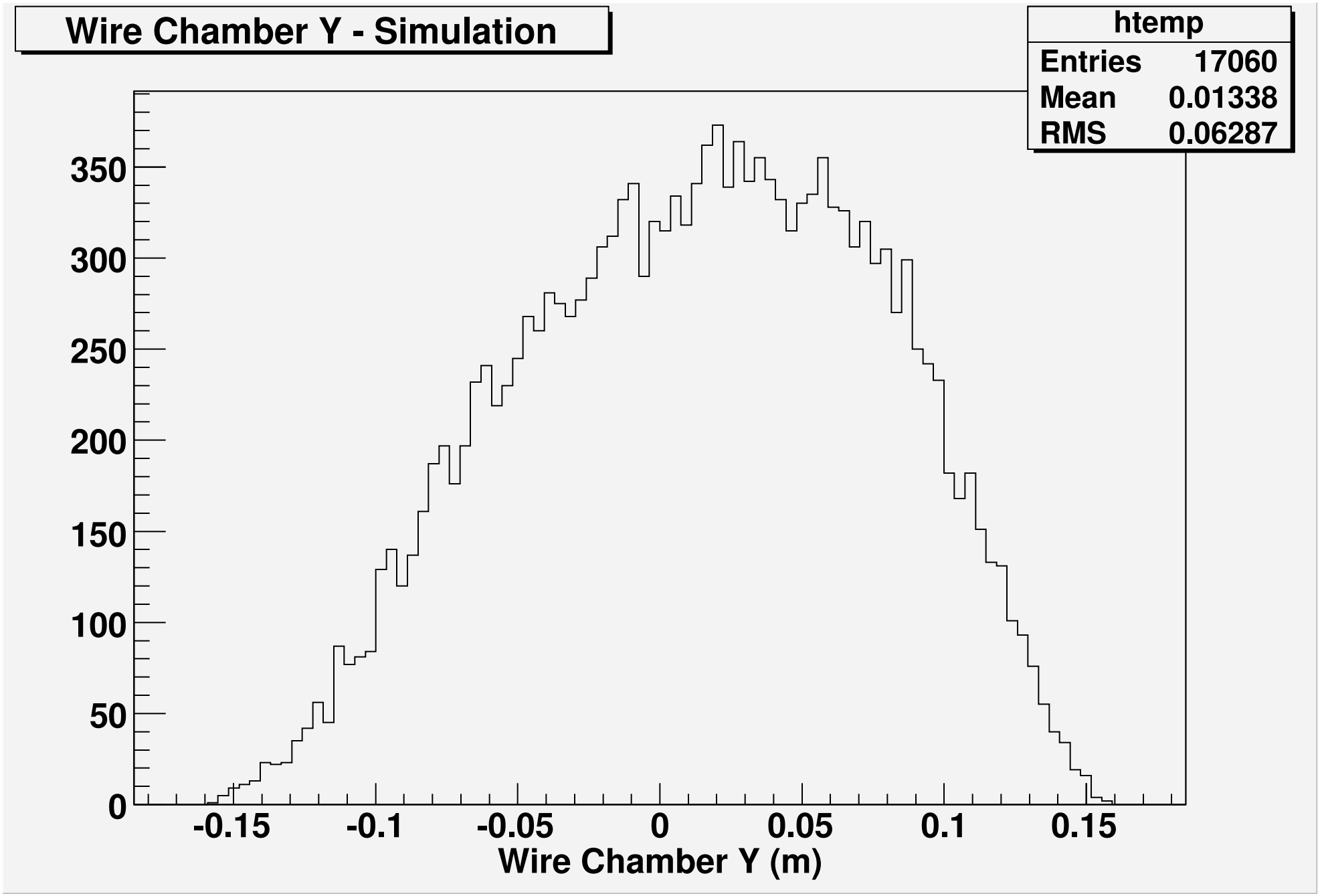

Vertex Z - Elastics - Run 4425
Entries 3148
Mean -0.02502
RMS 0.09193
80
70
60
50
40
30
20
10
0
-0.25
-0.2
-0.15
-0.1
-0.05
-0
0.05
0.1
0.15
0.2
0.25
Vertex Z (m)

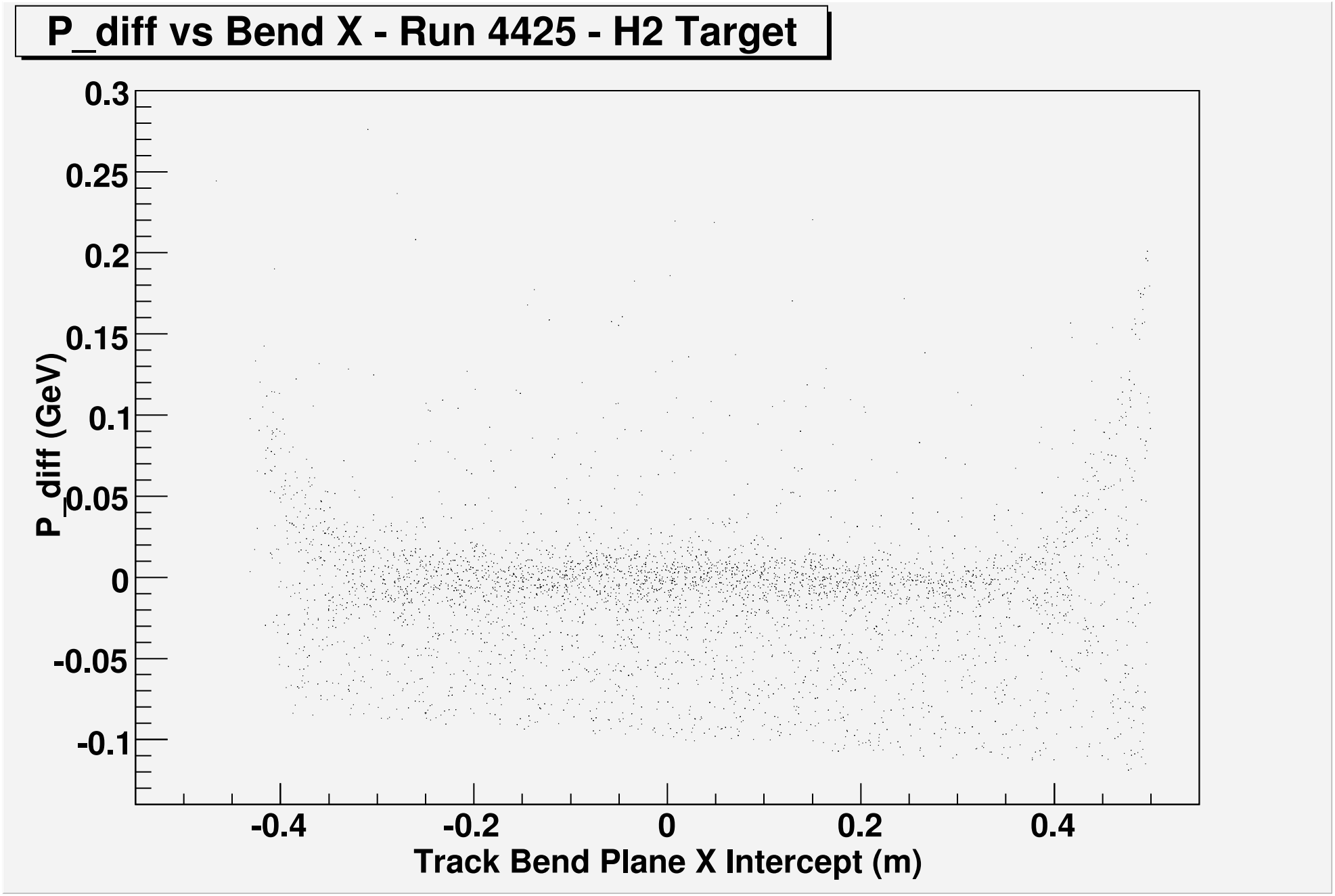

Vertex Z - Simulation
htemp
Entries 17060
Mean -0.02413
RMS 0.1051
300
250
200
150
100
50
0
-0.2
-0.15
-0.1
-0.05
-0
0.05
0.1
0.15
0.2
Vertex Z (m)

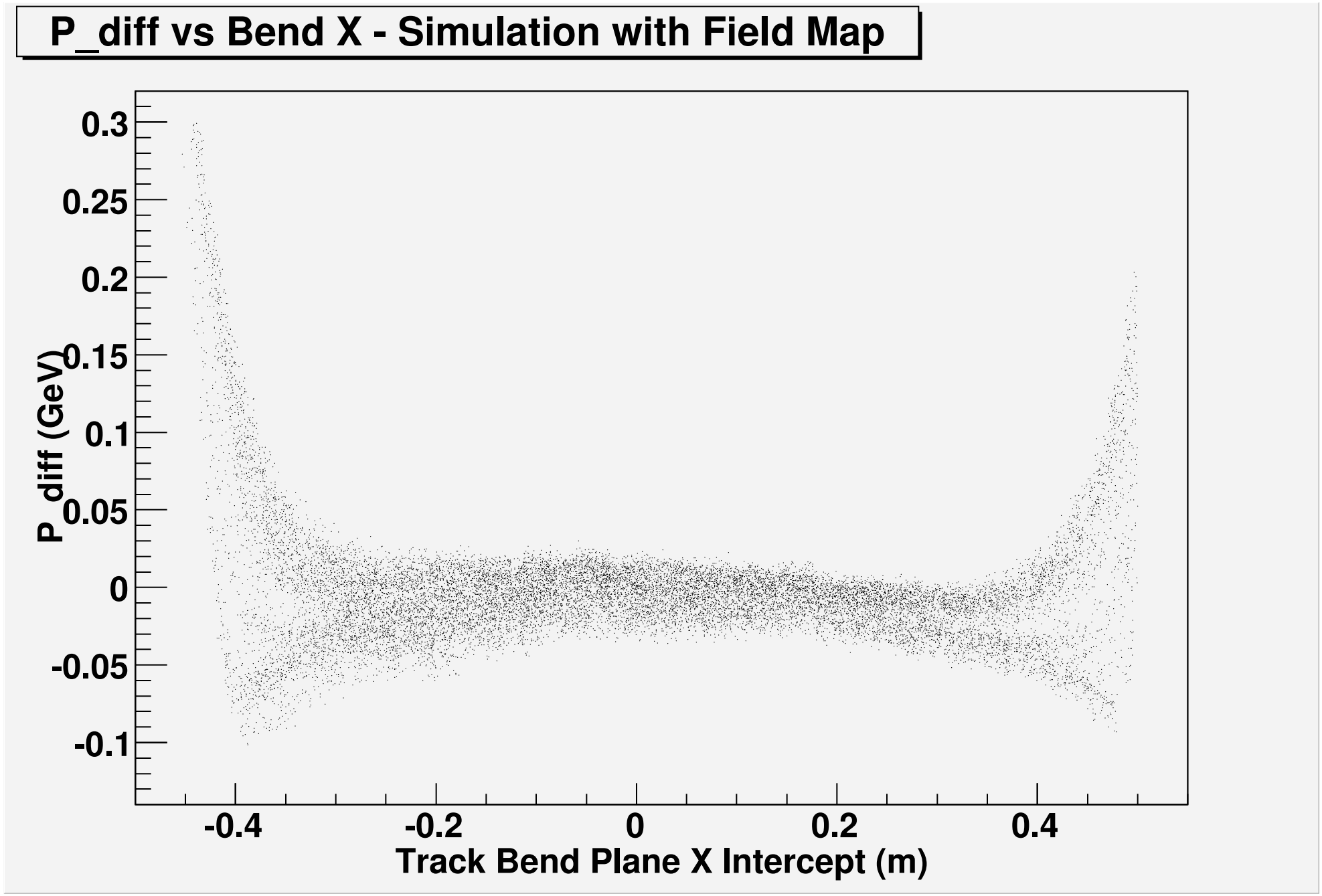

Wire Chamber X - Elastics - Run 4425
htemp
Entries 3148
Mean -0.04664
RMS 0.3425
80
70
60
50
40
30
20
10
0
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
Wire Chamber X (m)

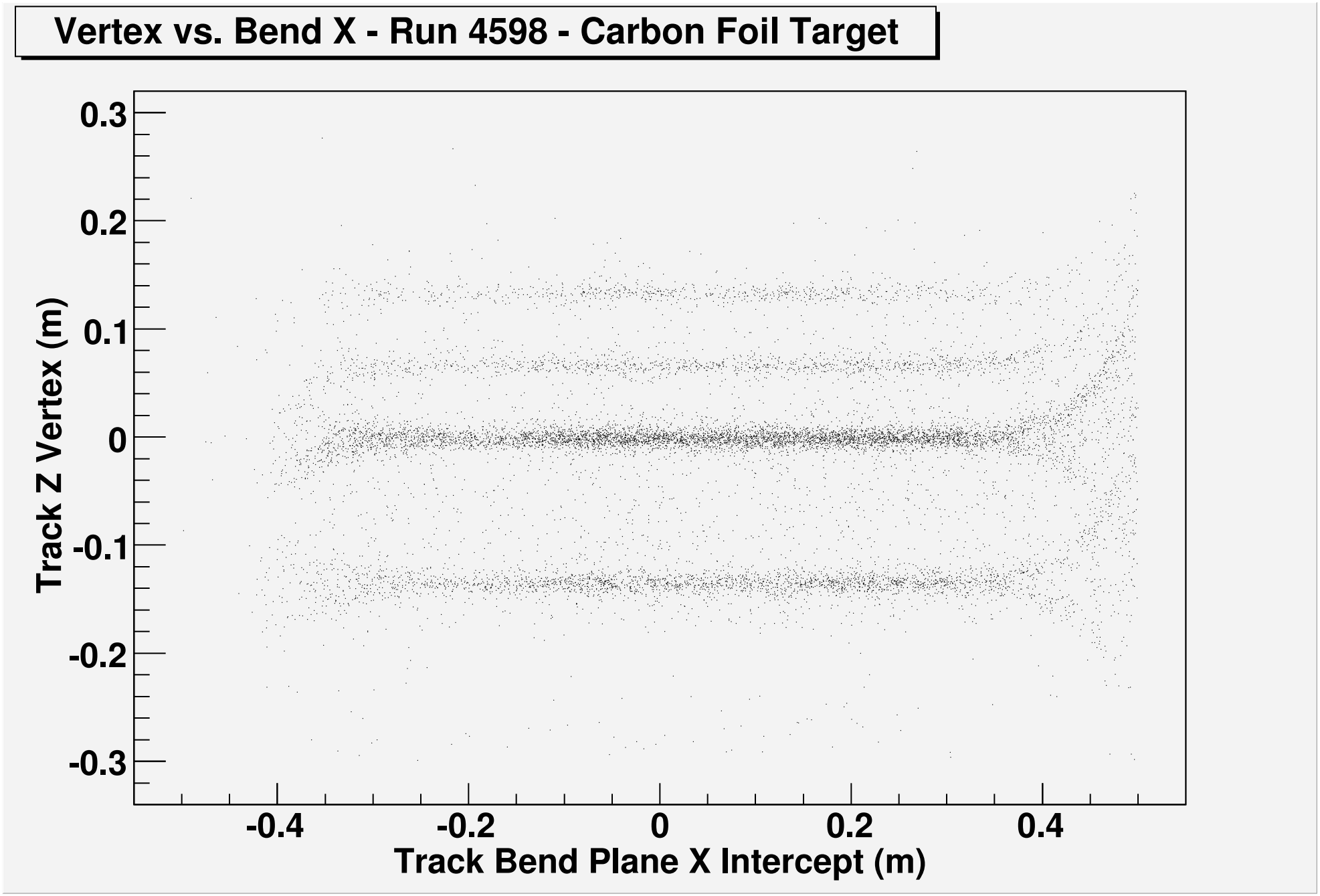

Wire Chamber X - Simulation
htemp
Entries 17060
Mean -0.05188
RMS 0.3829
250
200
150
100
50
0
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
Wire Chamber X (m)

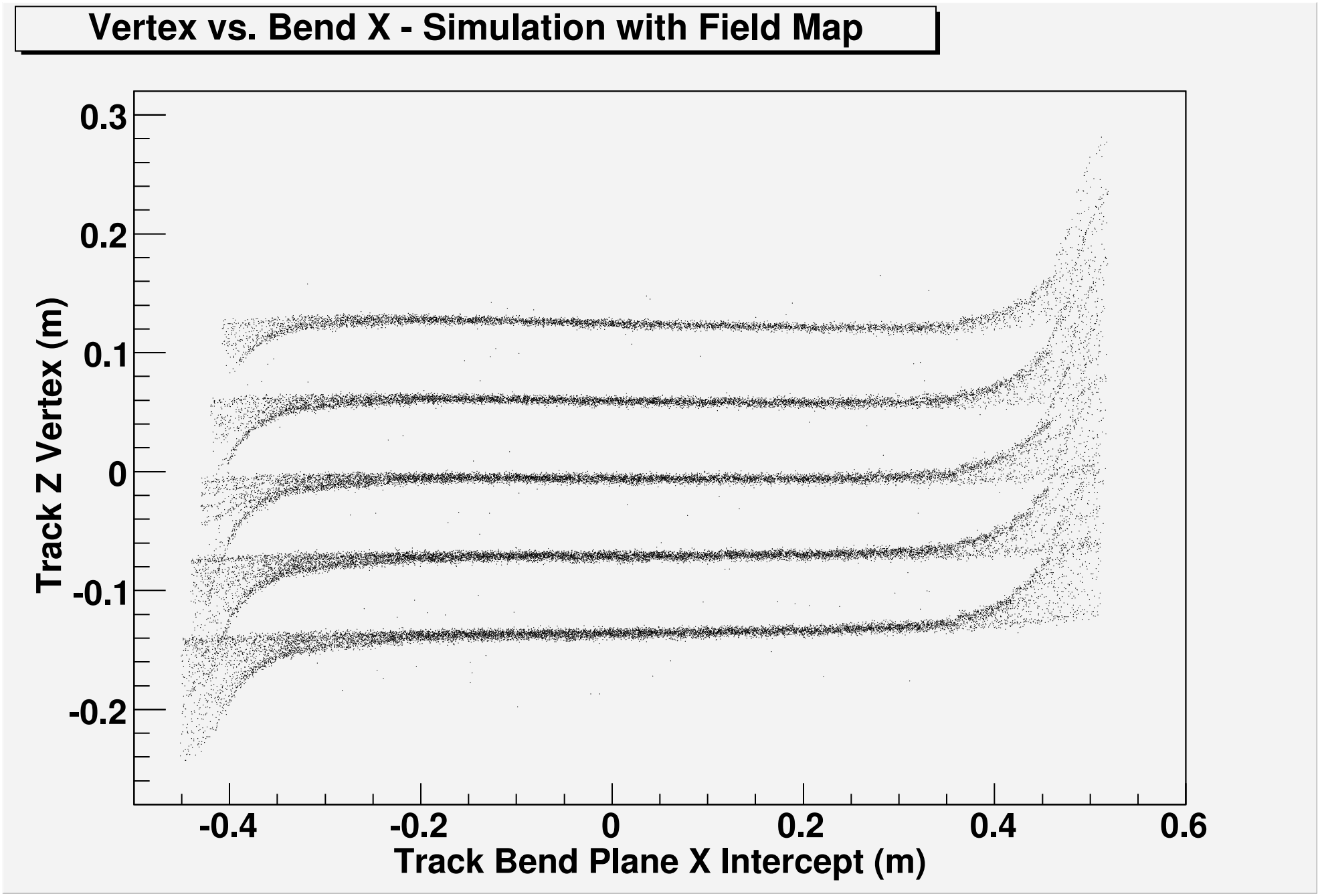

Wire Chamber Y - Elastics - Run 4425
htemp
Entries 3148
Mean 0.01542
RMS 0.08921
80
70
60
50
40
30
20
10
0
-0.2
-0.15
-0.1
-0.05
-0
0.05
0.1
0.15
0.2
Wire Chamber y (m)

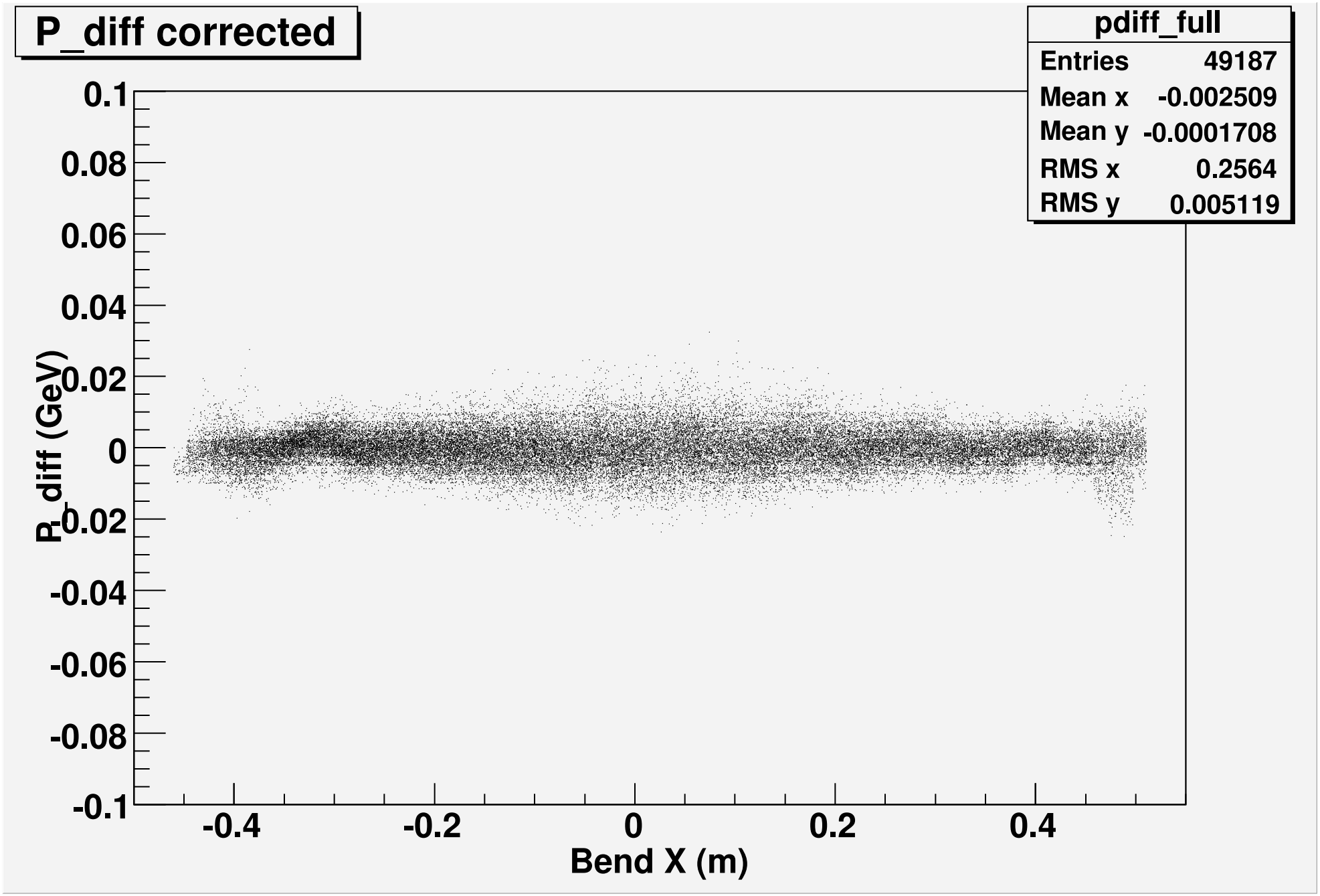

Wire Chamber Y - Simulation
htemp
Entries 17060
Mean 0.01338
RMS 0.06287
350
300
250
200
150
100
50
0
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
Wire Chamber Y (m)


P_diff vs Bend X - Run 4425 - H2 Target
P_diff (GeV)
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.4
-0.2
0
0.2
0.4
Track Bend Plane X Intercept (m)


P_diff vs Bend X - Simulation with Field Map
P_diff (GeV)
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.4
-0.2
0
0.2
0.4
Track Bend Plane X Intercept (m)


Vertex vs. Bend X - Run 4598 - Carbon Foil Target
Track Z Vertex (m)
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.2
0
0.2
0.4
Track Bend Plane X Intercept (m)


Vertex vs. Bend X - Simulation with Field Map
Track Z Vertex (m)
0.3
0.2
0.1
0
-0.1
-0.2
-0.4
-0.2
0
0.2
0.4
0.6
Track Bend Plane X Intercept (m)


P_diff corrected
pdiff_full
Entries 49187
Mean x -0.002509
Mean y -0.0001708
RMS x 0.2564
RMS y 0.005119
P_diff (GeV)
Bend X (m)
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.4
-0.2
0
0.2
0.4