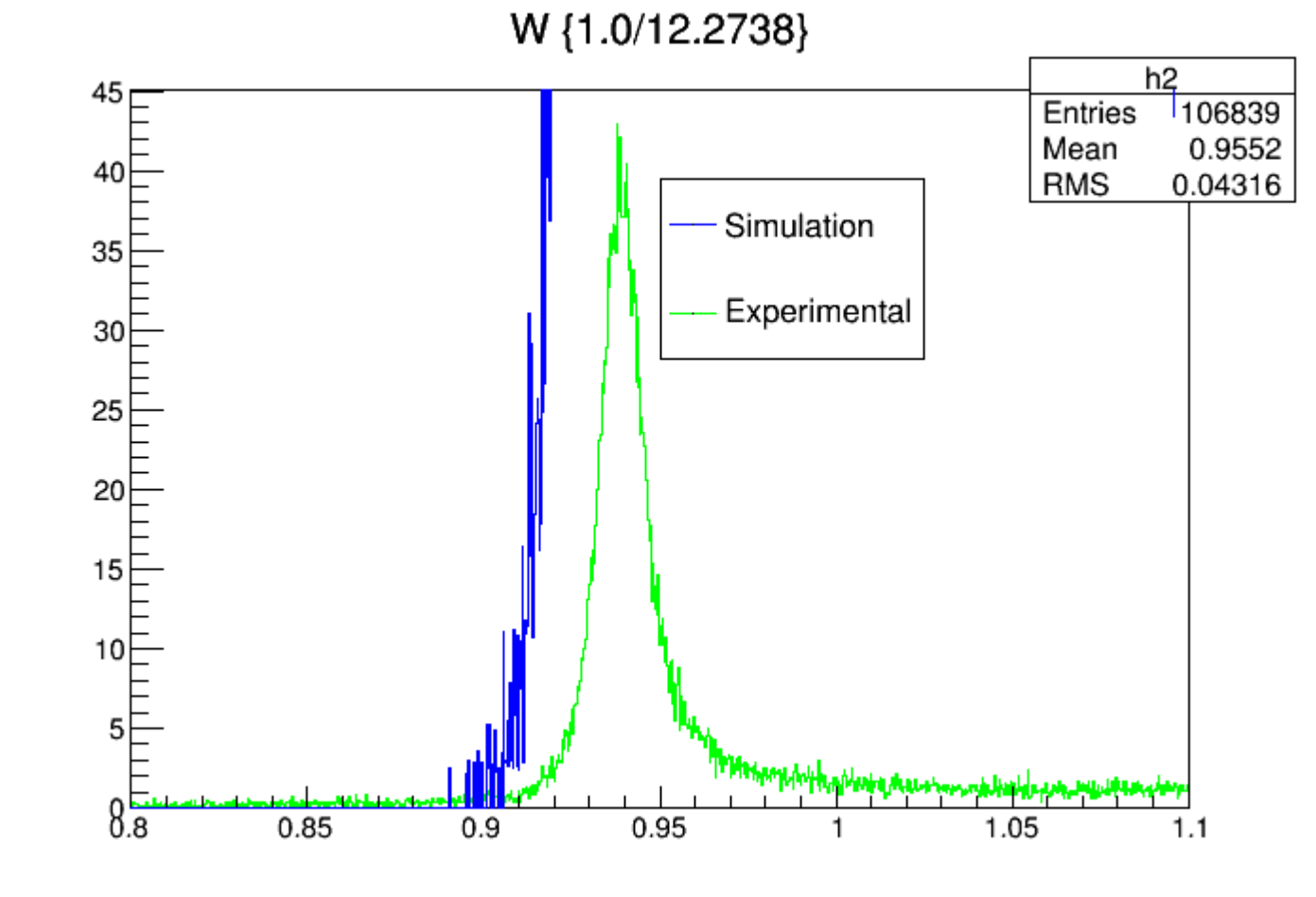
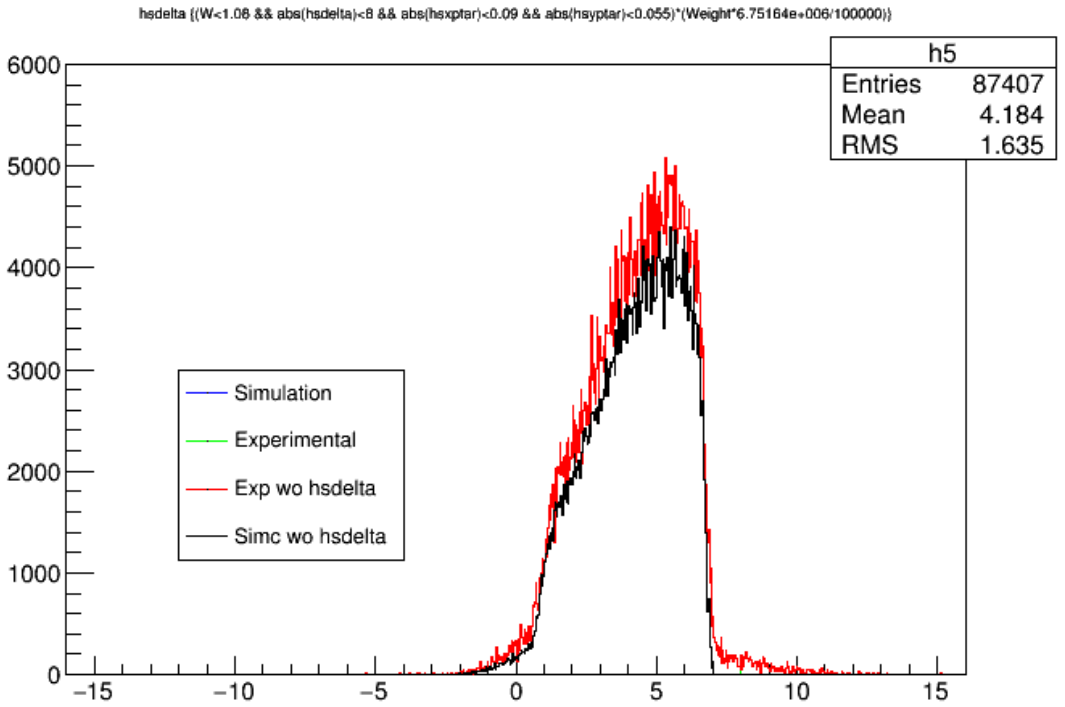
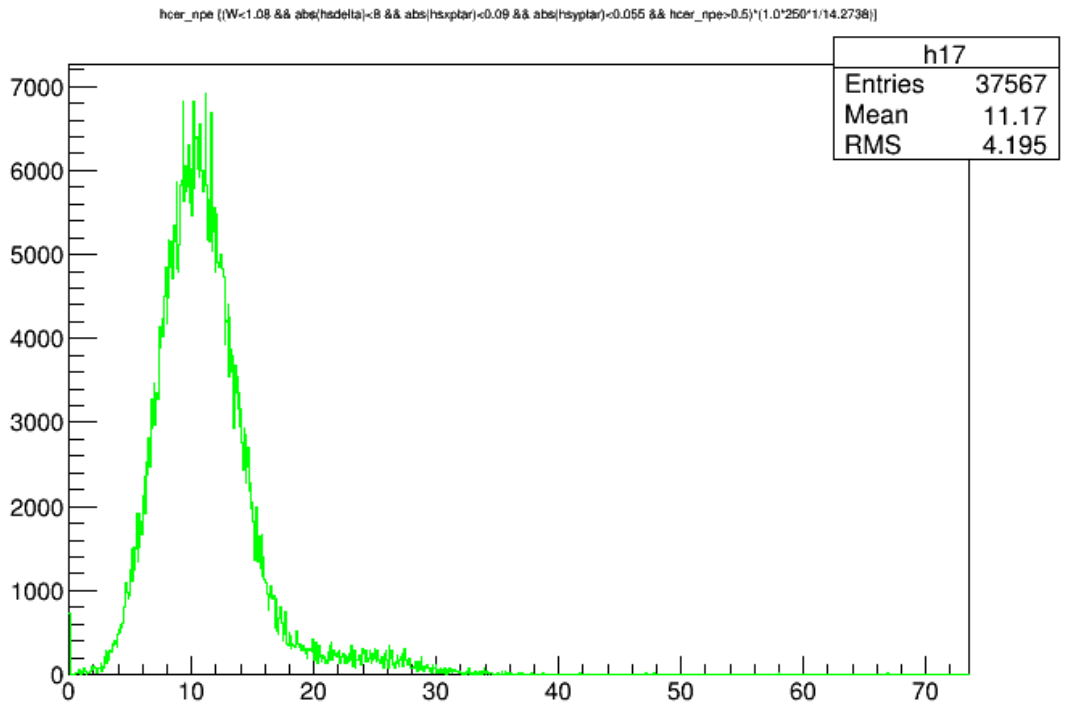
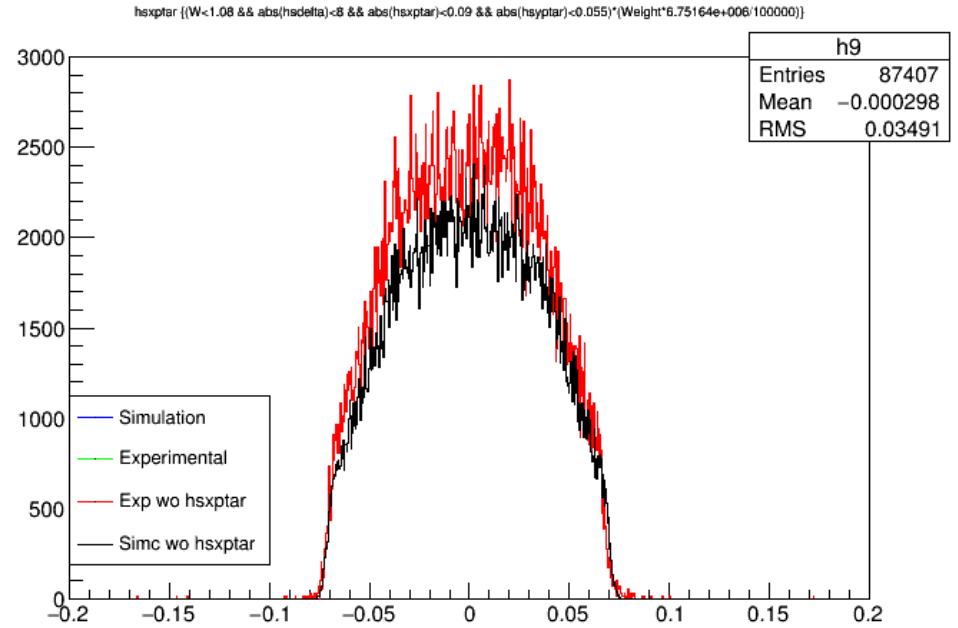
WEEK 2

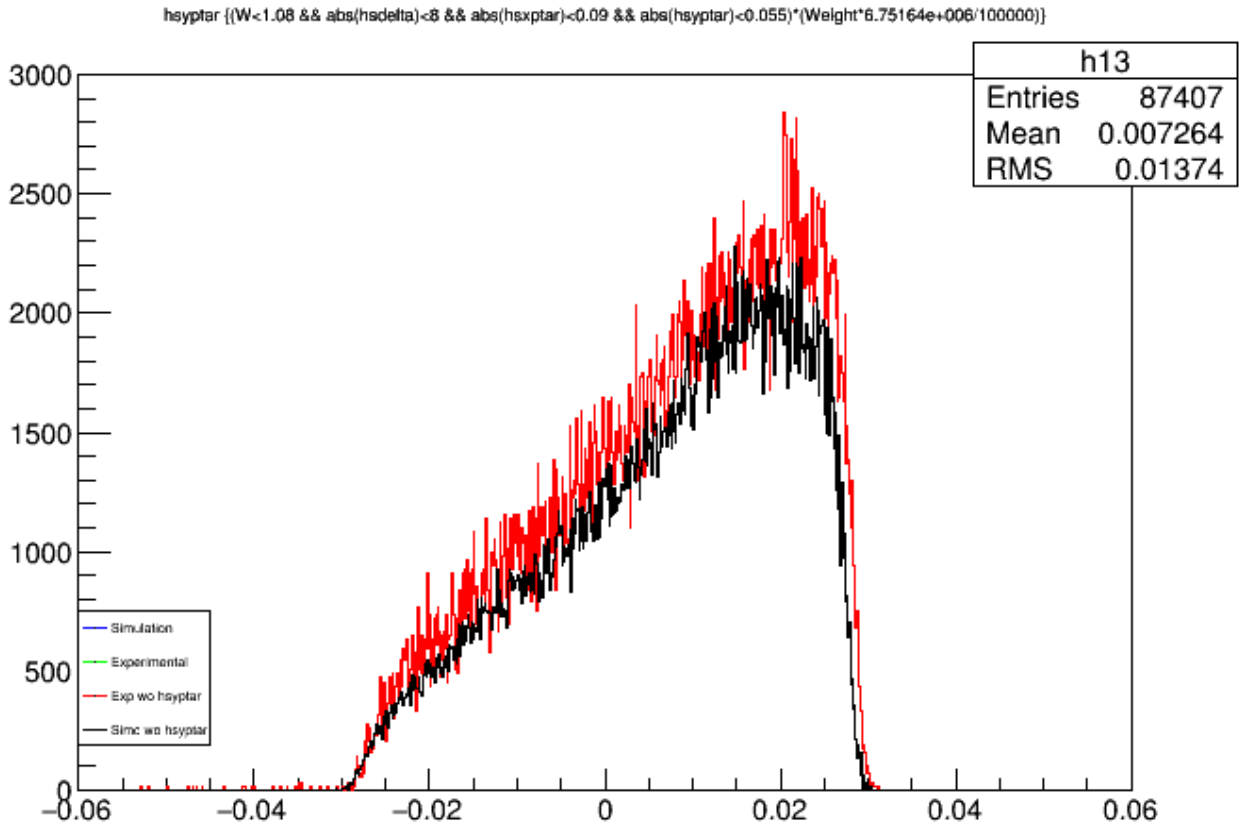
47339

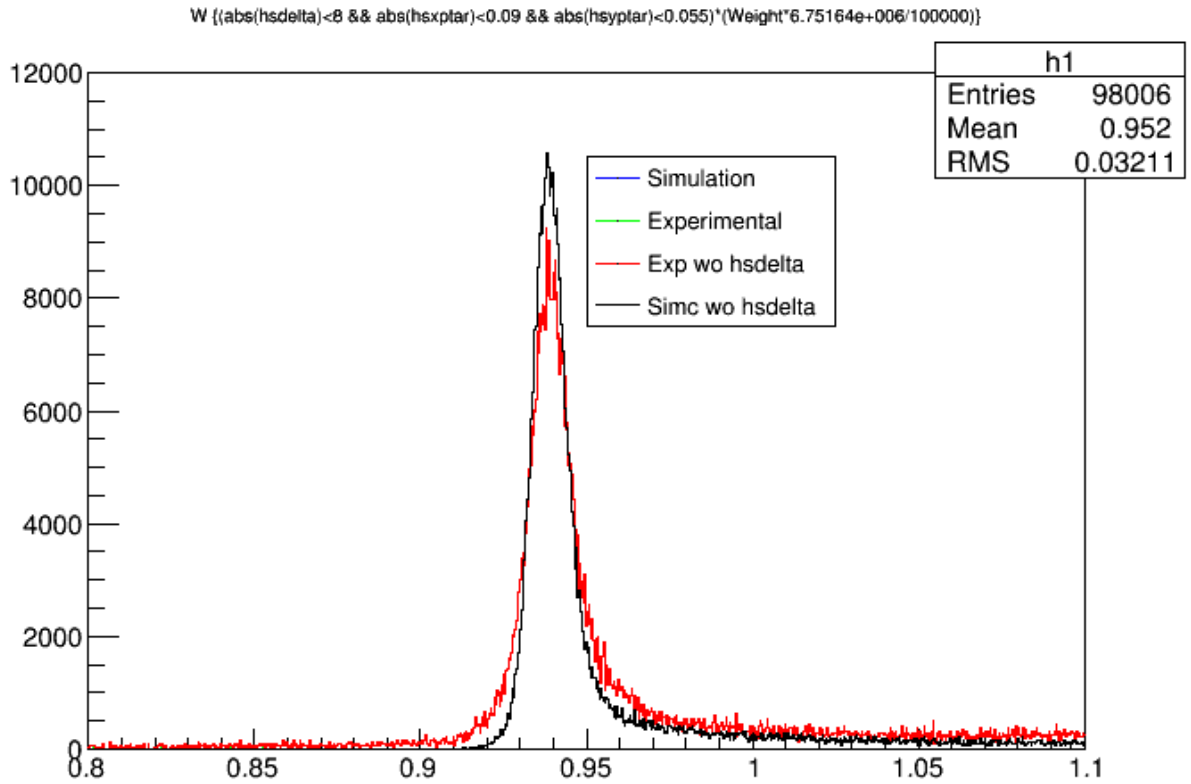

W {1.0/12.2738}
h2
Entries 106839
Mean 0.9552
RMS 0.04316
Simulation
Experimental
45
40
35
30
25
20
15
10
5
0
0.8
0.85
0.9
0.95
1
1.05
1.1


hsdelta {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.75164e+006/100000)}
h5
Entries 87407
Mean 4.184
RMS 1.635
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta

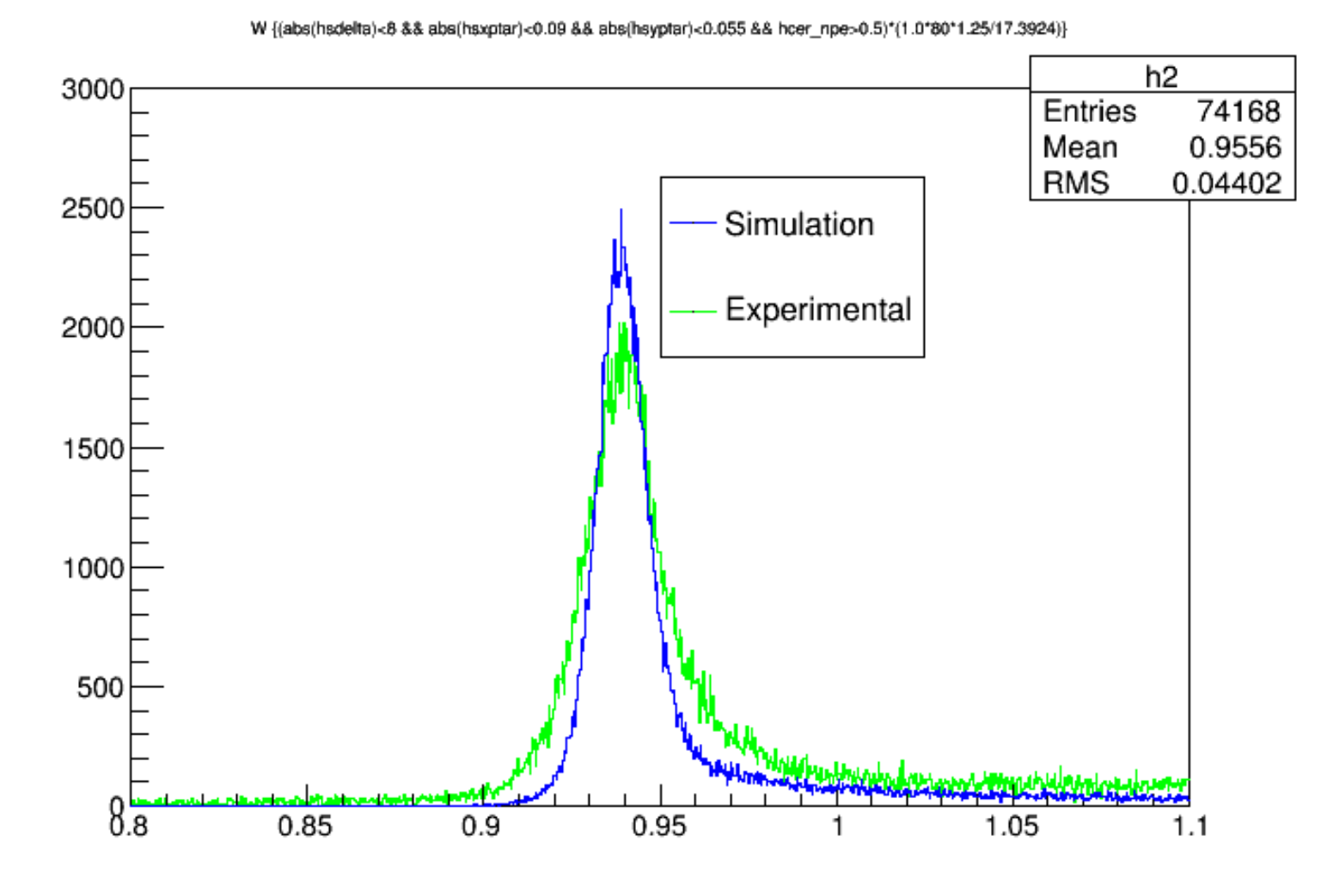

hcer_npe {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*250*1/14.2738)}
h17
Entries 37567
Mean 11.17
RMS 4.195

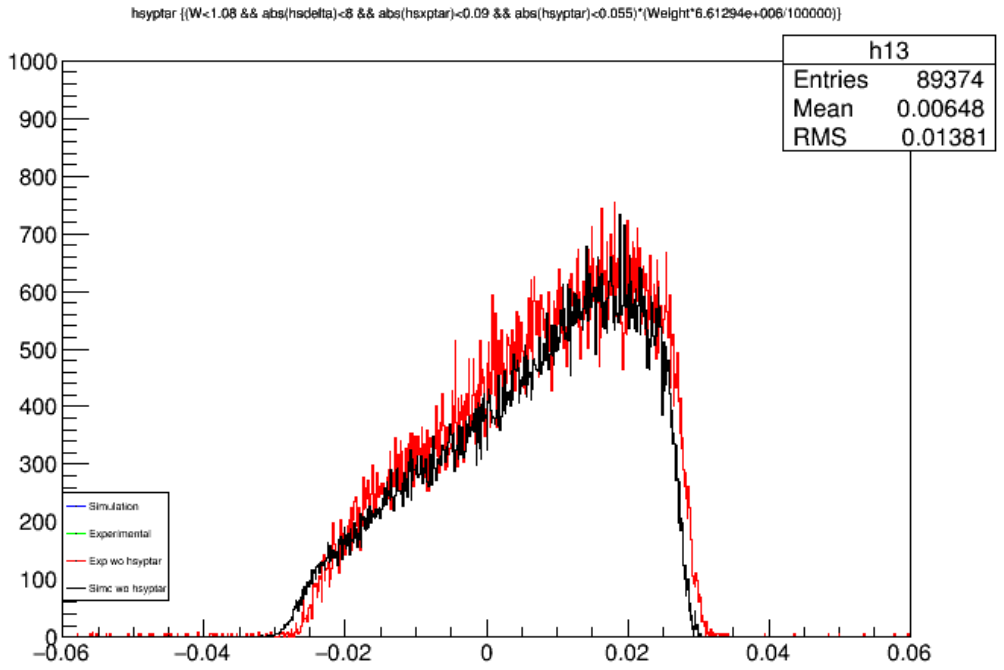

hsxptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.75164e+006/100000)}
h9
Entries 87407
Mean −0.000298
RMS 0.03491
Simulation
Experimental
Exp wo hsxptar
Simc wo hsxptar

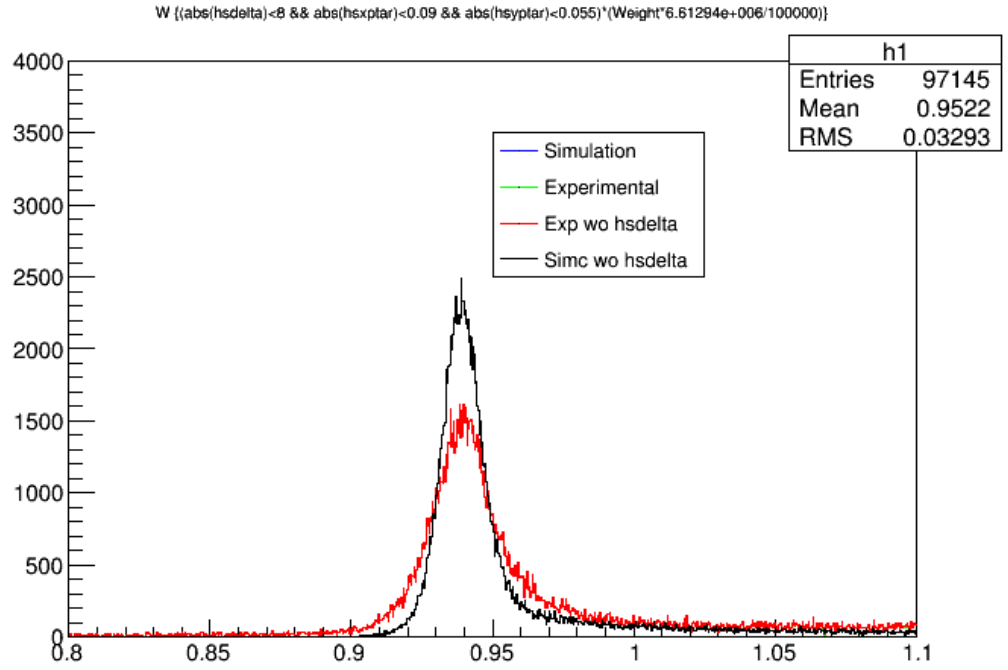

hsyptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.75164e+006/100000)}
h13
Entries 87407
Mean 0.007264
RMS 0.01374
Simulation
Experimental
Exp wo hsyptar
Simc wo hsyptar
3000
2500
2000
1500
1000
500
0
−0.06
−0.04
−0.02
0
0.02
0.04
0.06

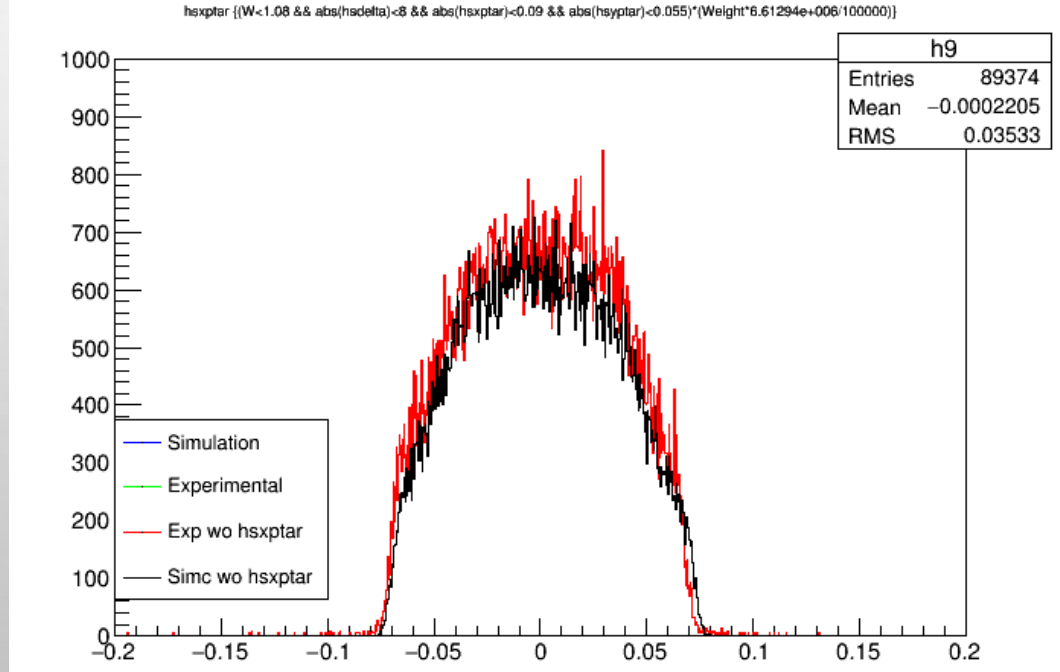

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.75164e+006/100000)}
h1
Entries 98006
Mean 0.952
RMS 0.03211
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta
12000
10000
8000
6000
4000
2000
0
0.8
0.85
0.9
0.95
1
1.05
1.1

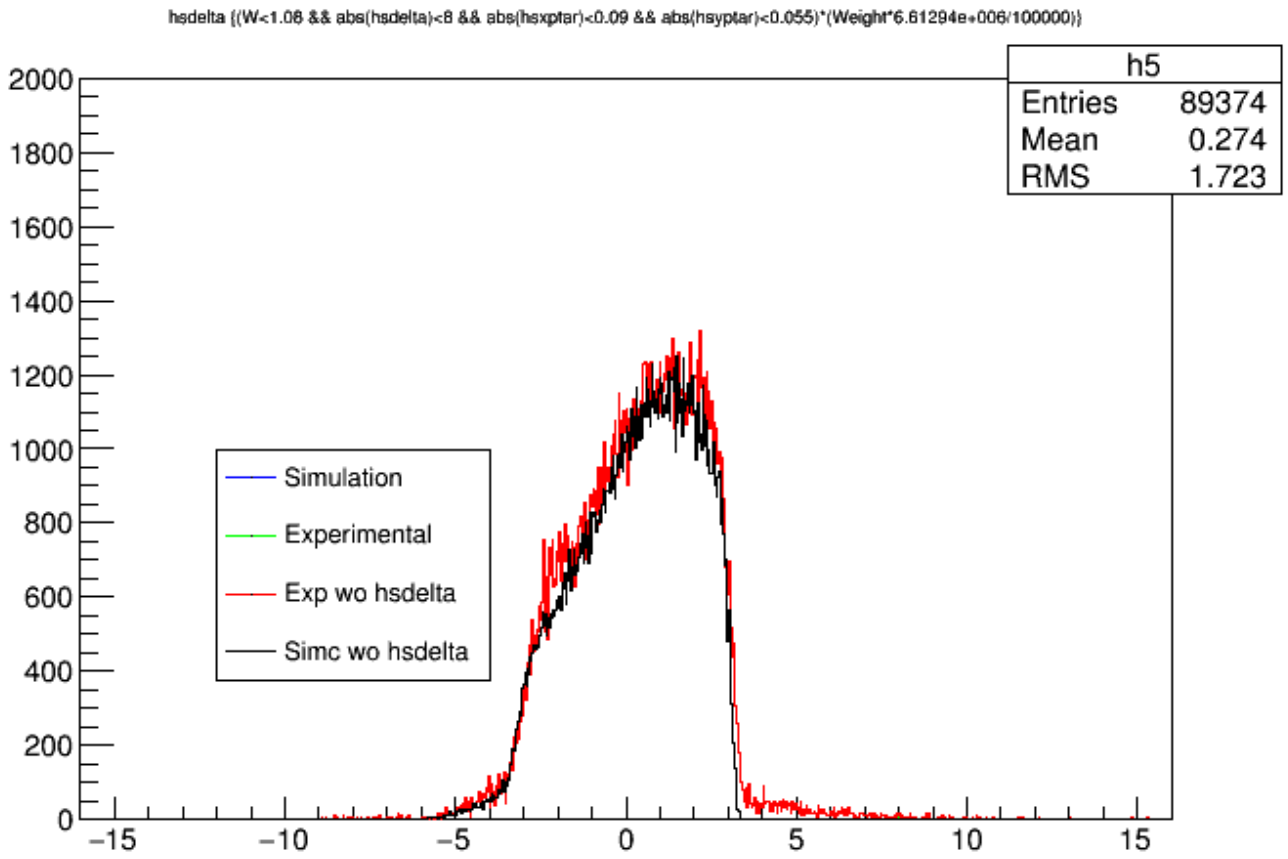
47345

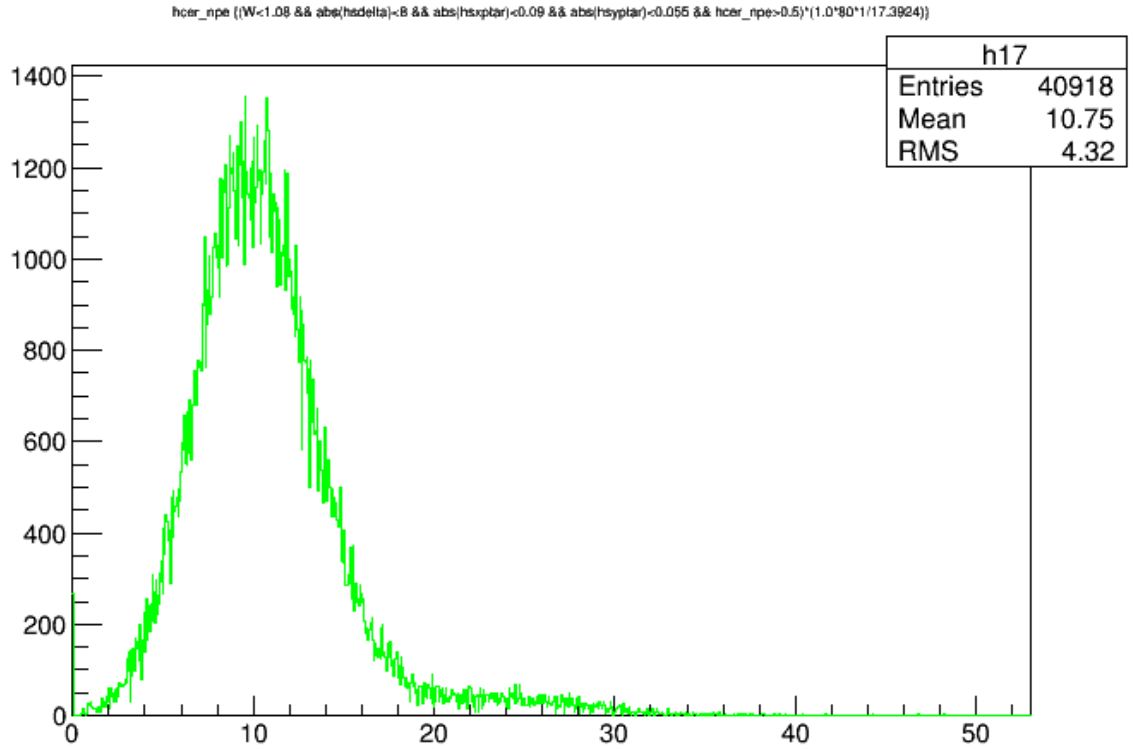

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*80*1.25/17.3924)}
h2
Entries 74168
Mean 0.9556
RMS 0.04402
Simulation
Experimental
3000
2500
2000
1500
1000
500
0
0.8
0.85
0.9
0.95
1
1.05
1.1


hsyptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.61294e+006/100000)}
h13
Entries 89374
Mean 0.00648
RMS 0.01381
Simulation
Experimental
Exp wo hsyptar
Simc wo hsyptar

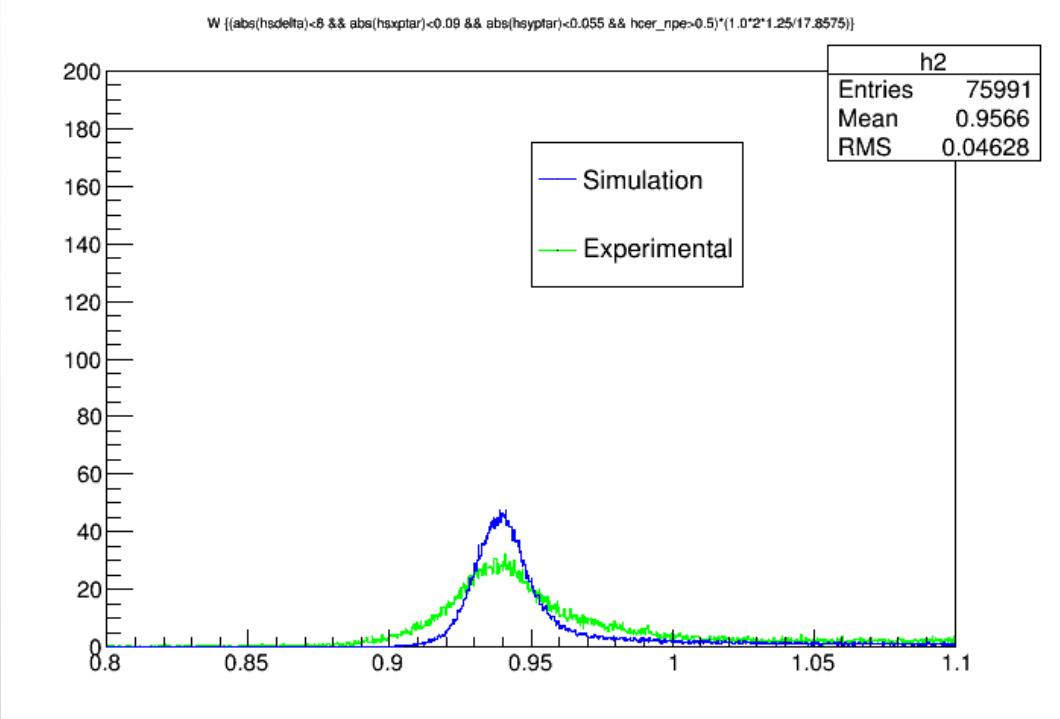

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.61294e+006/100000)}
h1
Entries 97145
Mean 0.9522
RMS 0.03293
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta

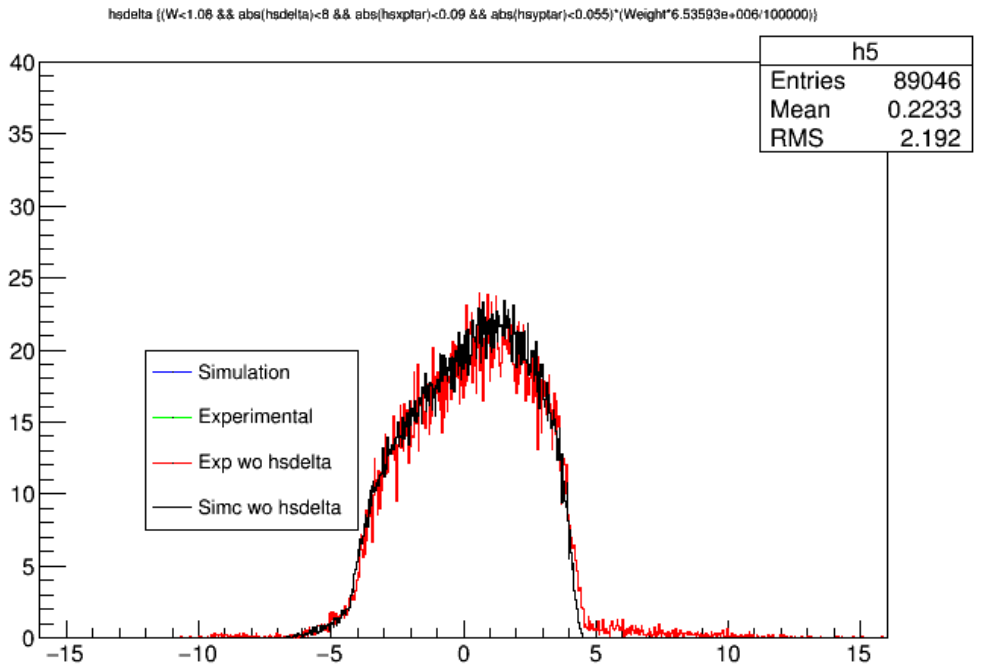

hsxptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.61294e+006/100000)}
h9
Entries 89374
Mean −0.0002205
RMS 0.03533
Simulation
Experimental
Exp wo hsxptar
Simc wo hsxptar

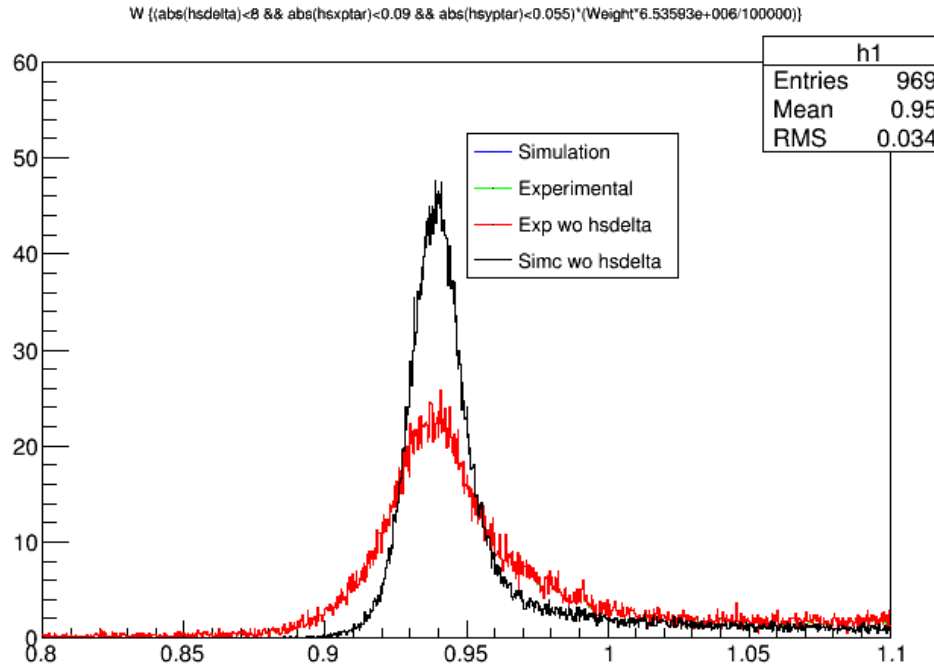

hsdelta {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.61294e+006/100000)}
h5
Entries 89374
Mean 0.274
RMS 1.723
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−15
−10
−5
0
5
10
15

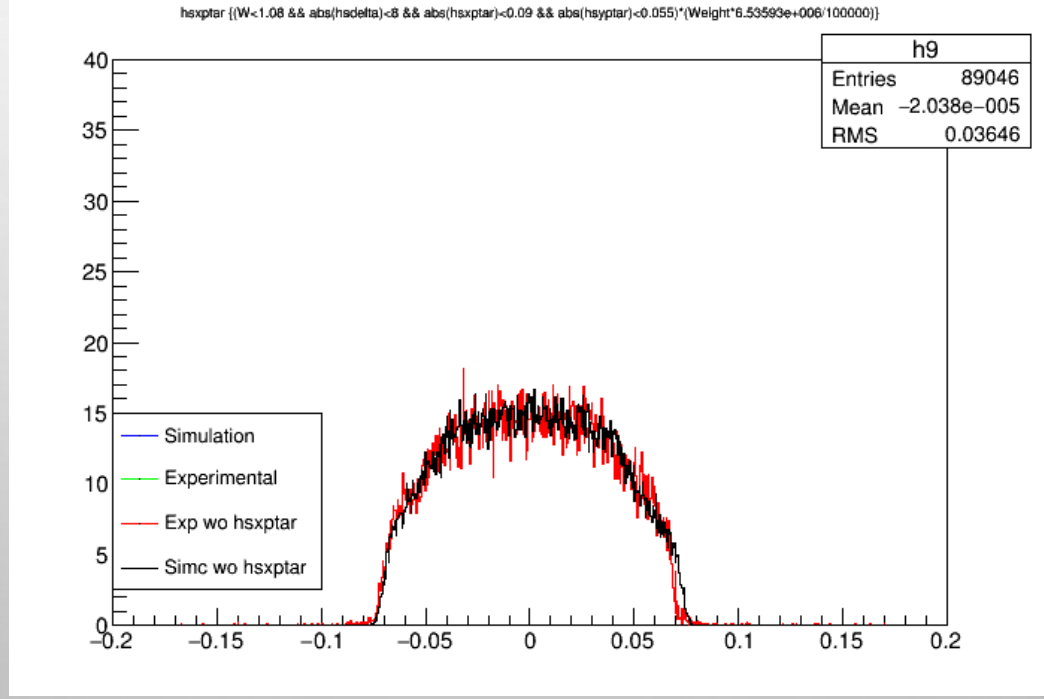

hcer_npe {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*80*1/17.3924)}
h17
Entries 40918
Mean 10.75
RMS 4.32
1400
1200
1000
800
600
400
200
0
0
10
20
30
40
50

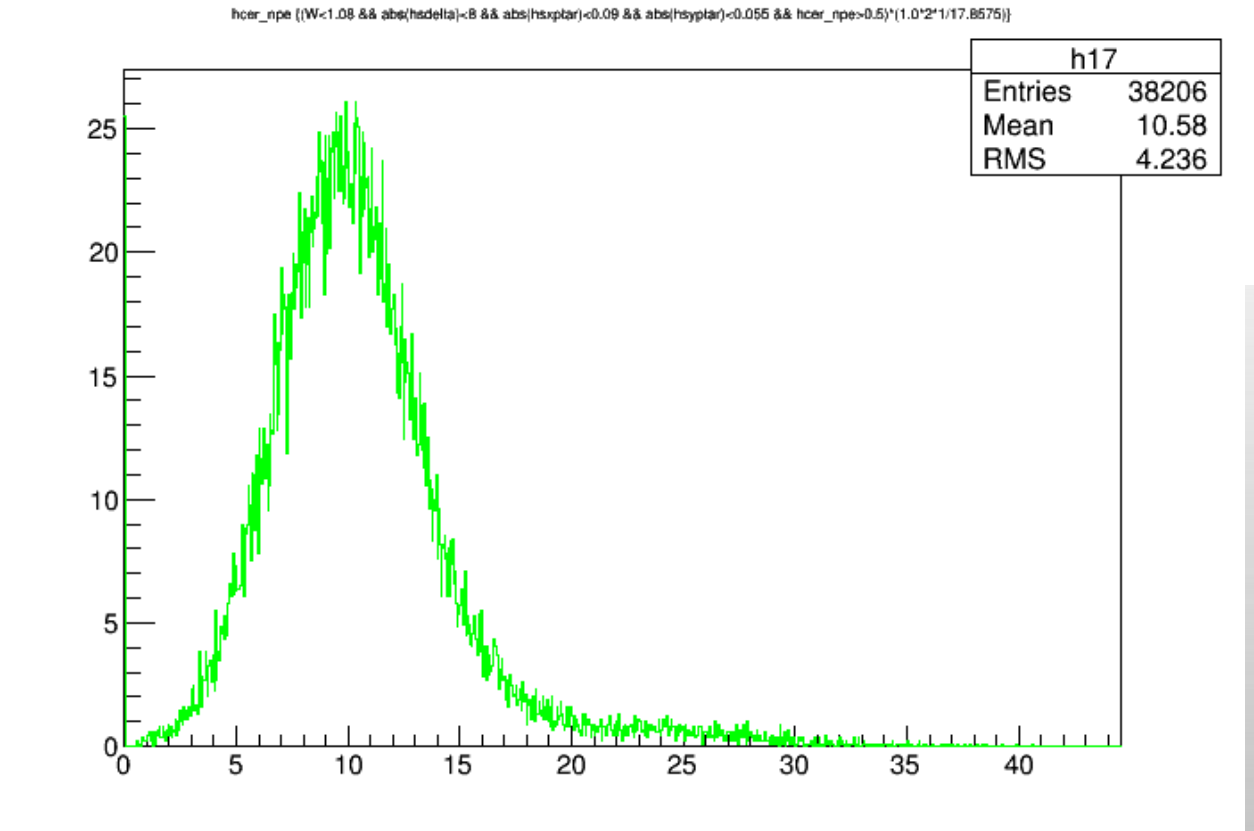
47350

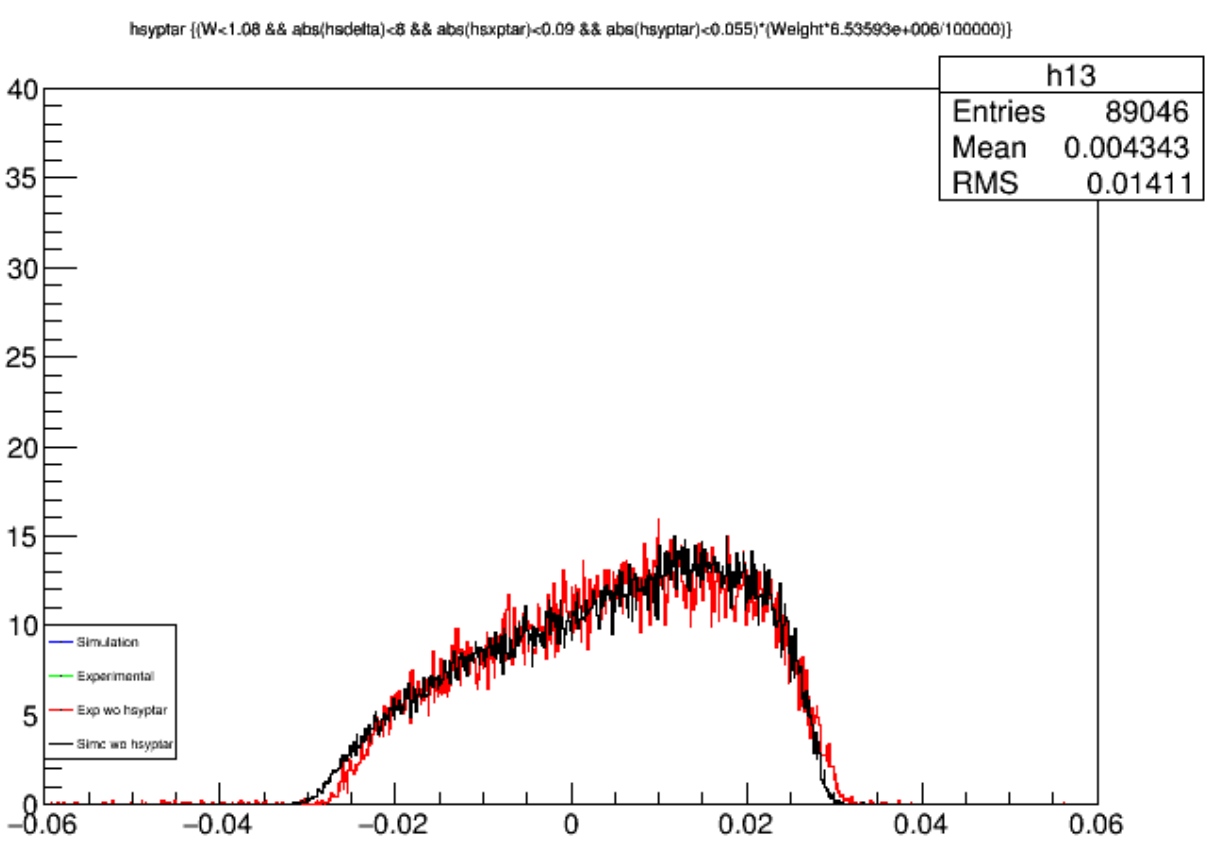

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*2*1.25/17.8575)}
h2
Entries 75991
Mean 0.9566
RMS 0.04628
Simulation
Experimental
200
180
160
140
120
100
80
60
40
20
0
0.8
0.85
0.9
0.95
1
1.05
1.1


hsdelta {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.53593e+006/100000)}
h5
Entries 89046
Mean 0.2233
RMS 2.192
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta

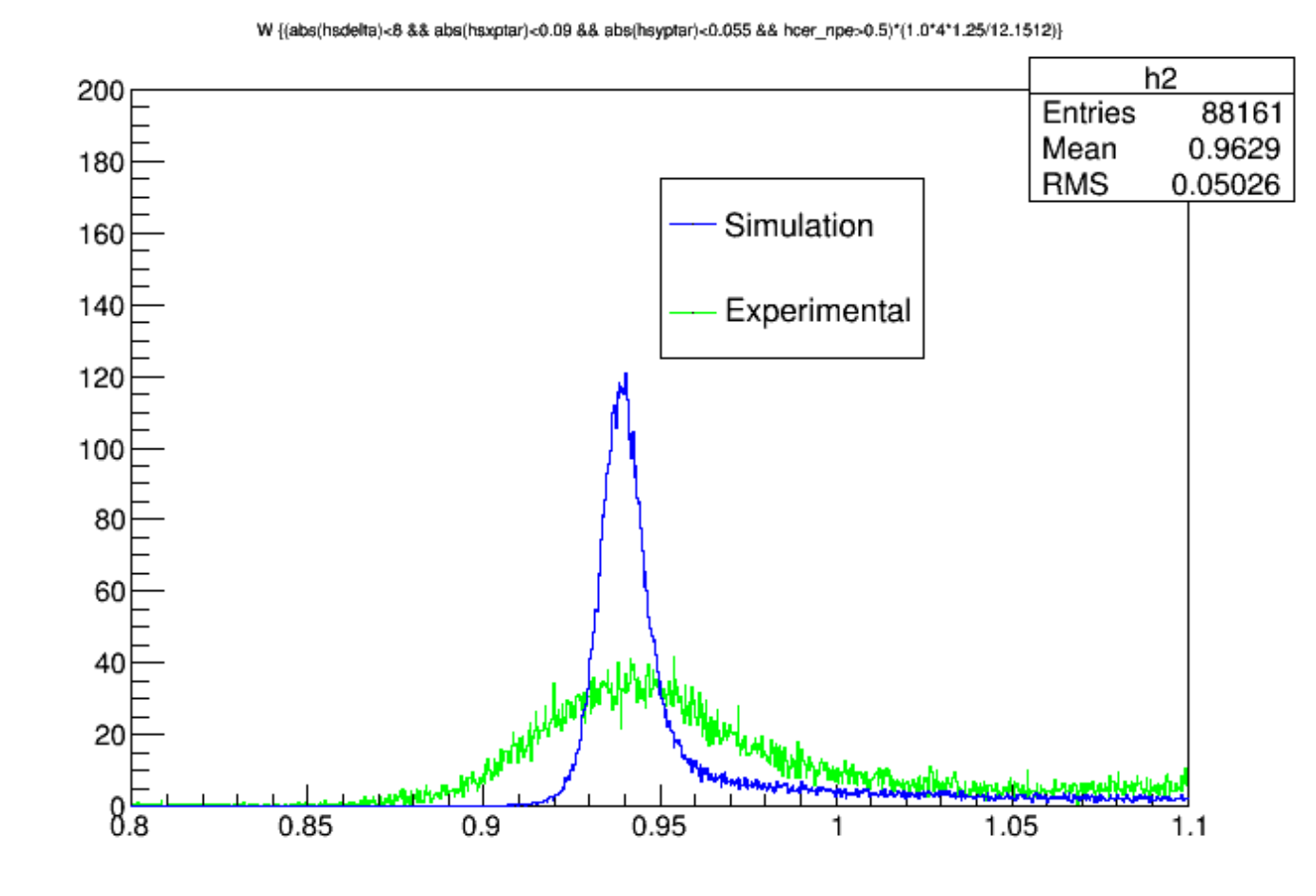

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.53593e+006/100000)}
h1
Entries 96989
Mean 0.9532
RMS 0.03455
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta

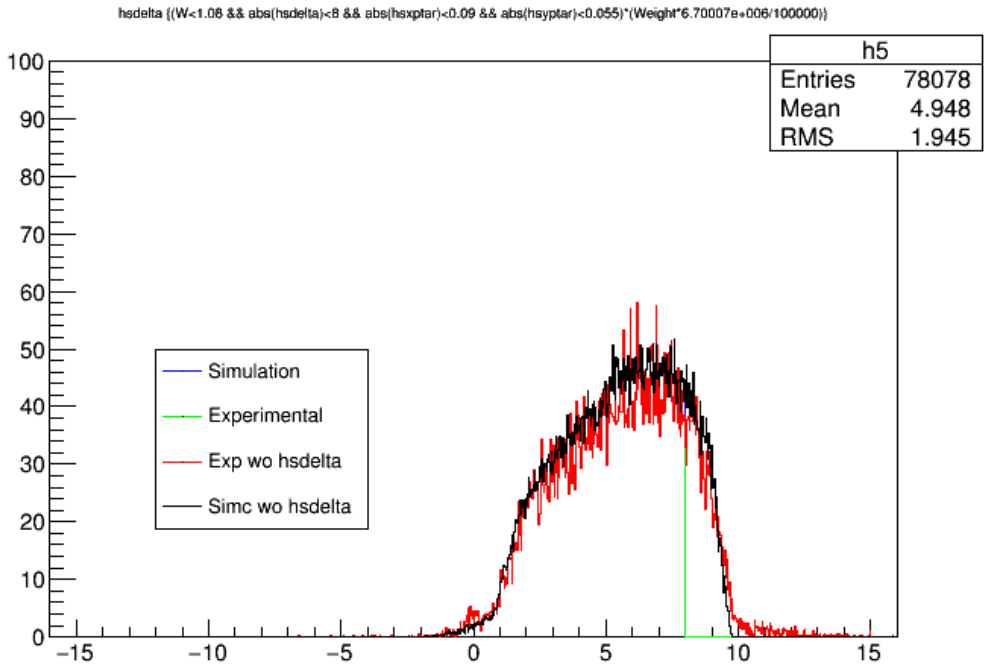

hsxptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.53593e+006/100000)}
h9
Entries 89046
Mean −2.038e−005
RMS 0.03646
Simulation
Experimental
Exp wo hsxptar
Simc wo hsxptar

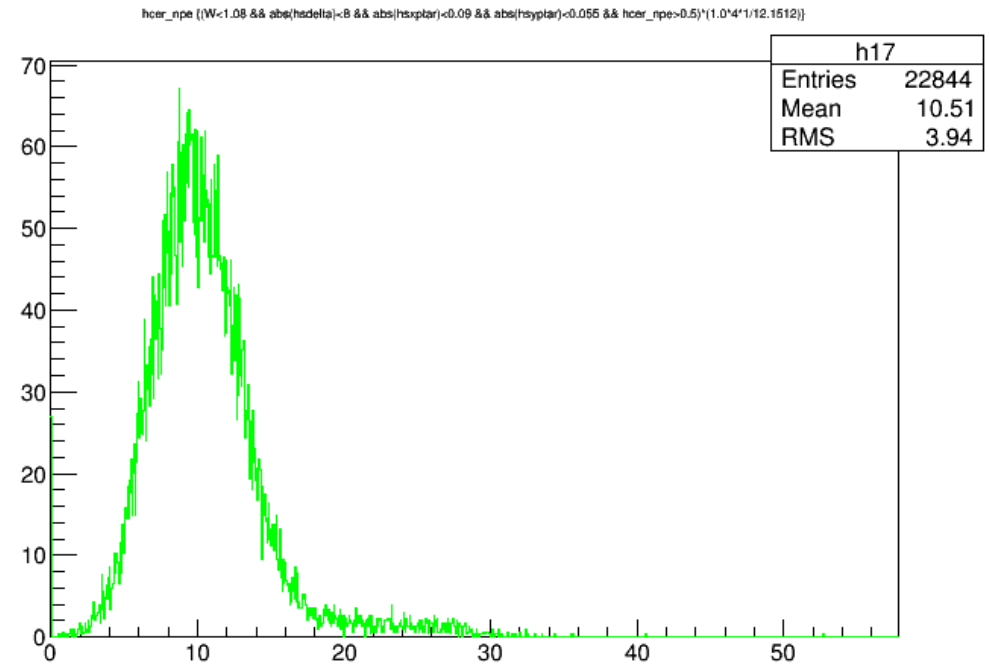

hcer_npe {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*2*1/17.8575)}
h17
Entries 38206
Mean 10.58
RMS 4.236
0 5 10 15 20 25 30 35 40
0 5 10 15 20 25

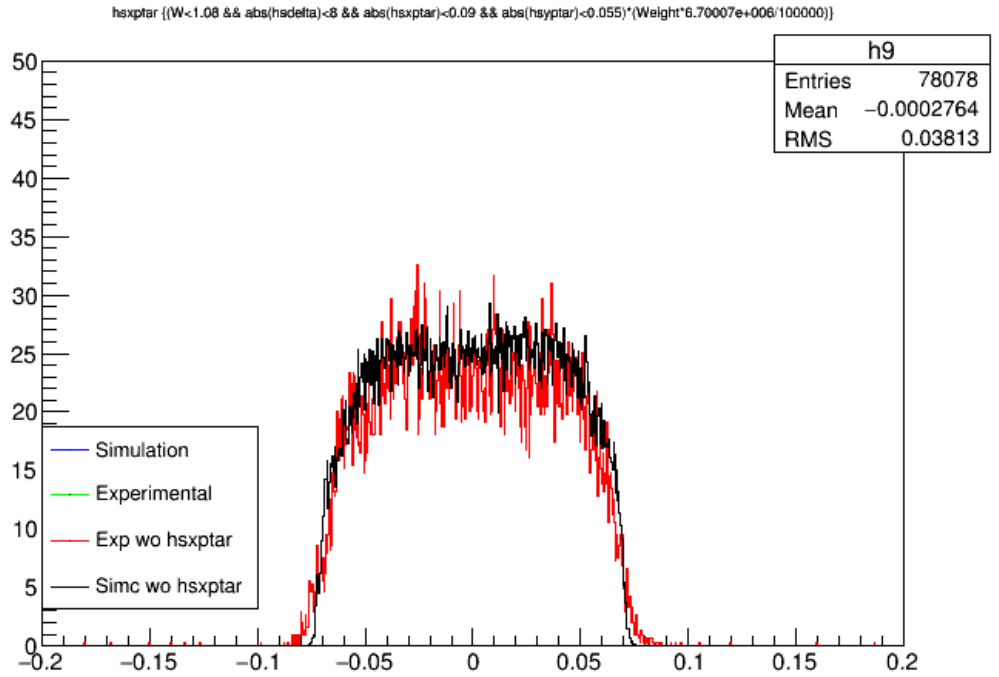

hsyptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.53593e+006/100000)}
h13
Entries 89046
Mean 0.004343
RMS 0.01411
Simulation
Experimental
Exp wo hsyptar
Simc wo hsyptar
−0.06 −0.04 −0.02 0 0.02 0.04 0.06
0 5 10 15 20 25 30 35 40

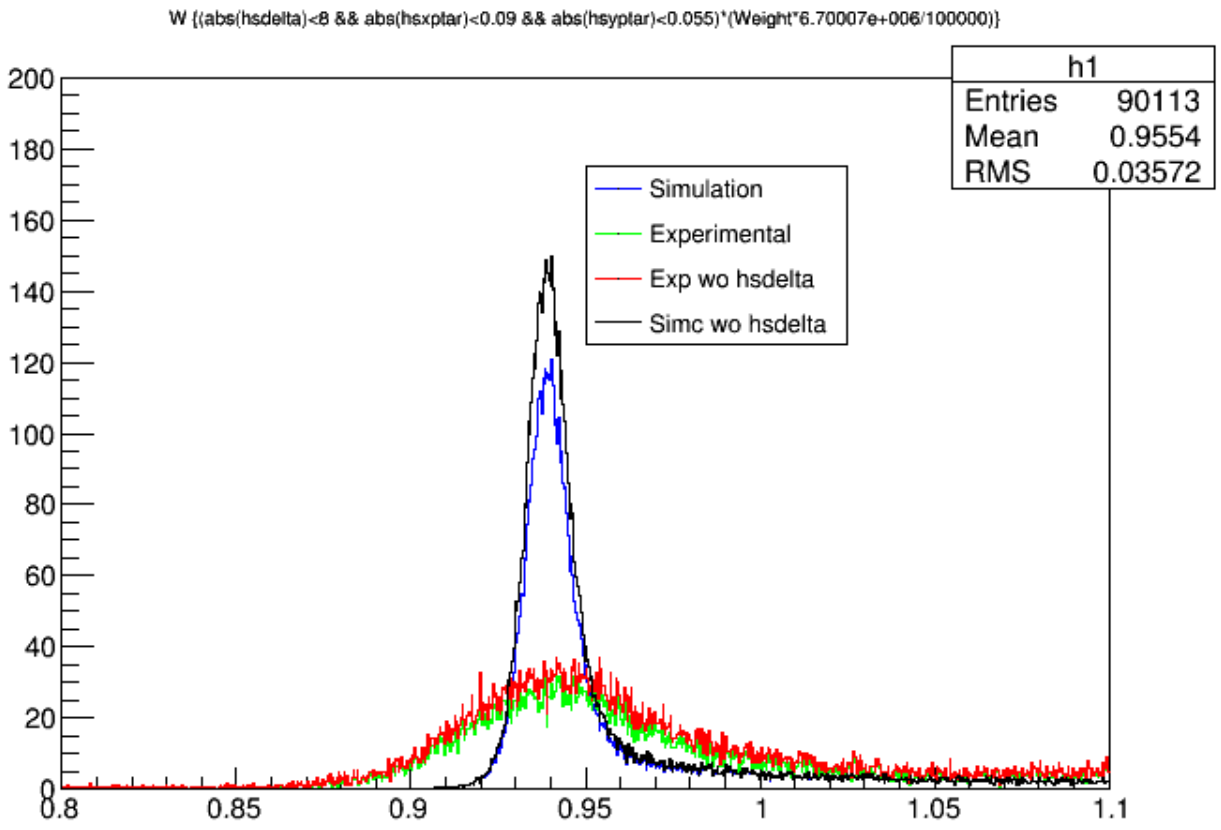
47347

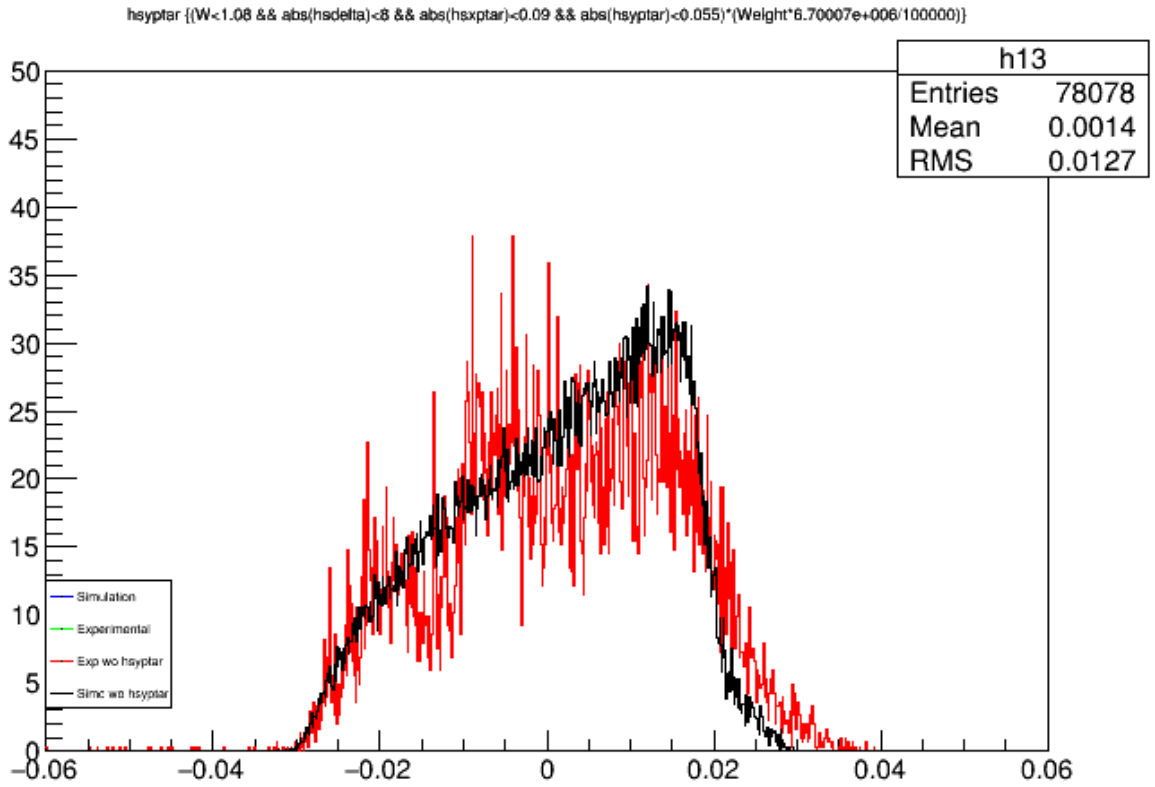

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*4*1.25/12.1512)}
h2
Entries 88161
Mean 0.9629
RMS 0.05026
Simulation
Experimental
200
180
160
140
120
100
80
60
40
20
0
0.8
0.85
0.9
0.95
1
1.05
1.1


hsdelta {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.70007e+006/100000)}
h5
Entries 78078
Mean 4.948
RMS 1.945
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta

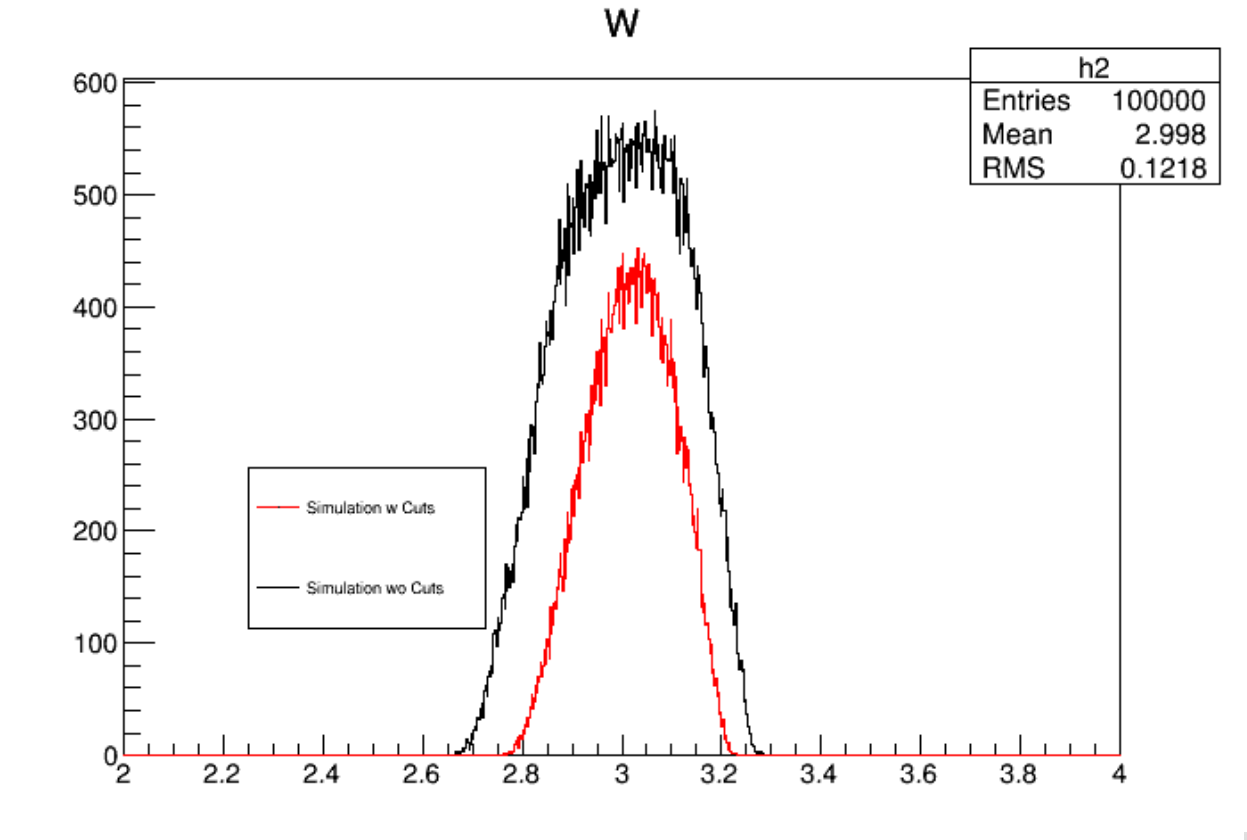

hcer_npe {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055 && hcer_npe>0.5)*(1.0*4*1/12.1512)}
h17
Entries 22844
Mean 10.51
RMS 3.94


hsxptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.70007e+006/100000)}
h9
Entries 78078
Mean −0.0002764
RMS 0.03813
Simulation
Experimental
Exp wo hsxptar
Simc wo hsxptar

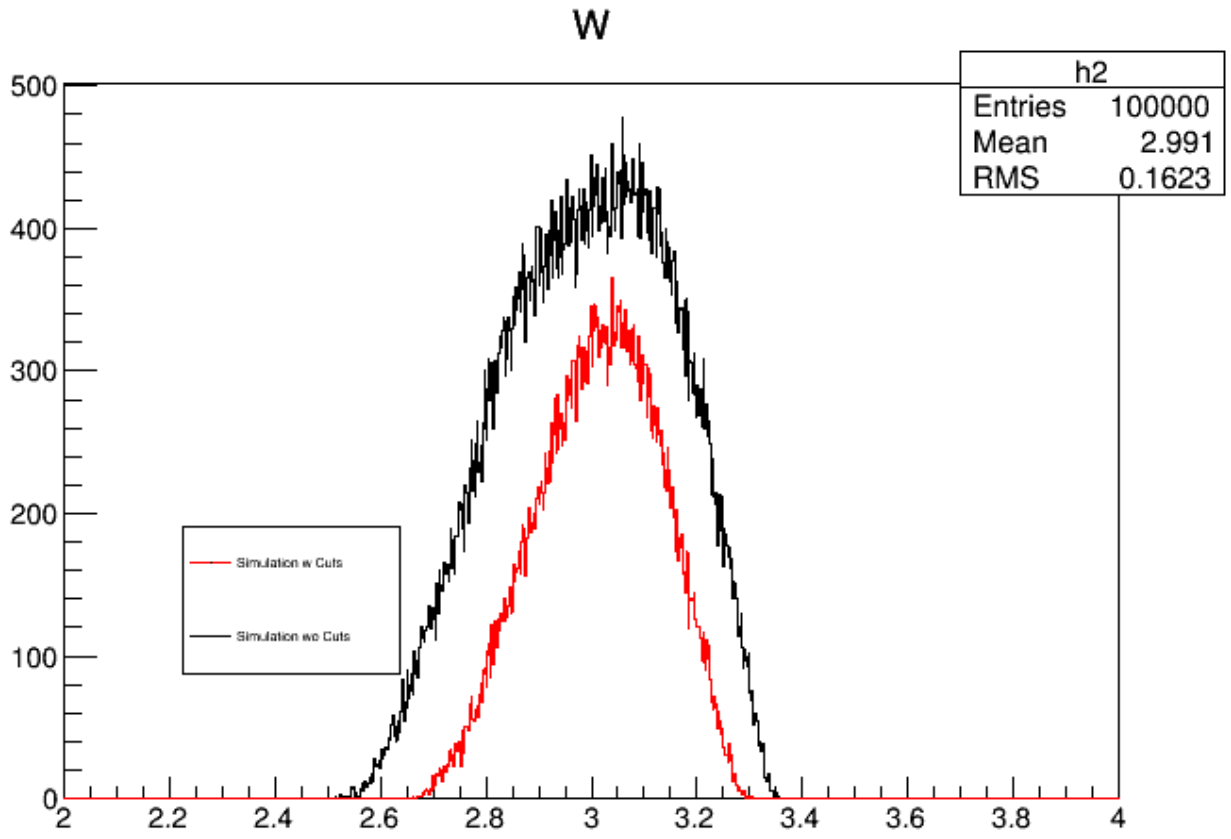

W {(abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.70007e+006/100000)}
h1
Entries 90113
Mean 0.9554
RMS 0.03572
Simulation
Experimental
Exp wo hsdelta
Simc wo hsdelta
200
180
160
140
120
100
80
60
40
20
0
0.8
0.85
0.9
0.95
1
1.05
1.1


hsyptar {(W<1.08 && abs(hsdelta)<8 && abs(hsxptar)<0.09 && abs(hsyptar)<0.055)*(Weight*6.70007e+006/100000)}
h13
Entries 78078
Mean 0.0014
RMS 0.0127
Simulation
Experimental
Exp wo hsyptar
Simc wo hsyptar
50
45
40
35
30
25
20
15
10
5
0
−0.06
−0.04
−0.02
0
0.02
0.04
0.06

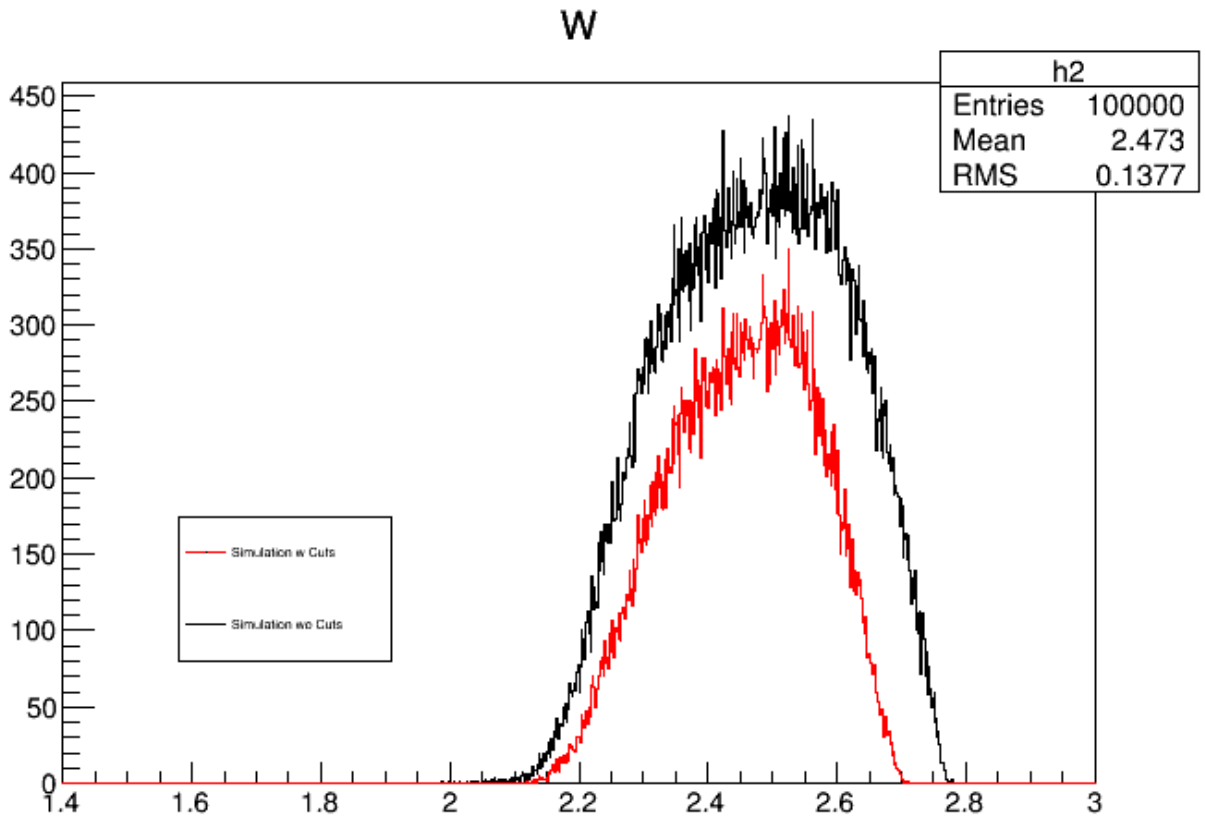
KAON PRODUCTION ANALYSIS



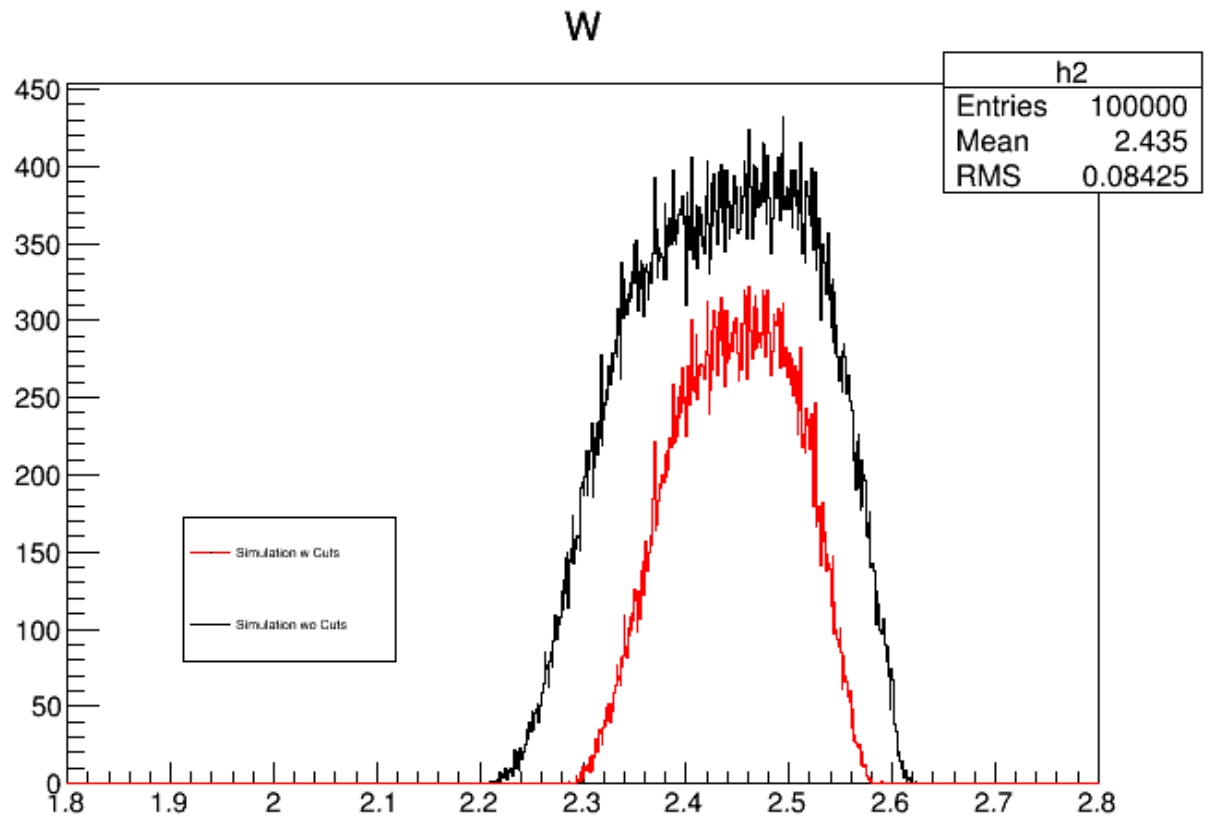
Gev 5.5



Gev 5.5 run 2



1.7 Gev



1.7 Gev run 2

NEXT TO DO

- 2D HISTOGRAM OF W/Q2 FOR THE 1.7 AND THE 5.5 GEVS