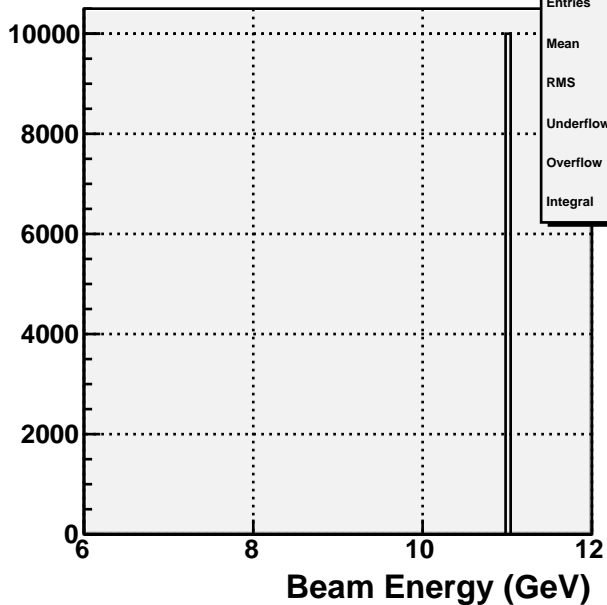
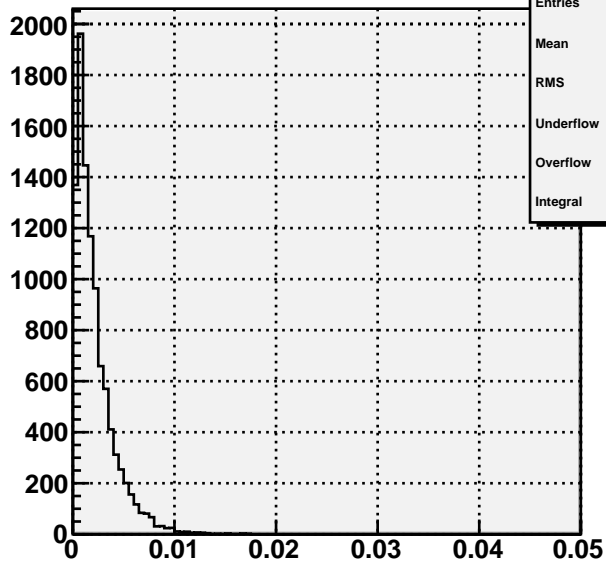
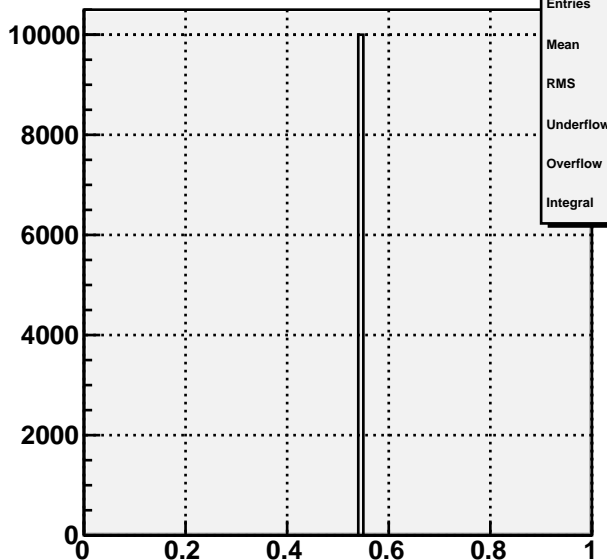


Eb=11.00 GeV**H1Eb**

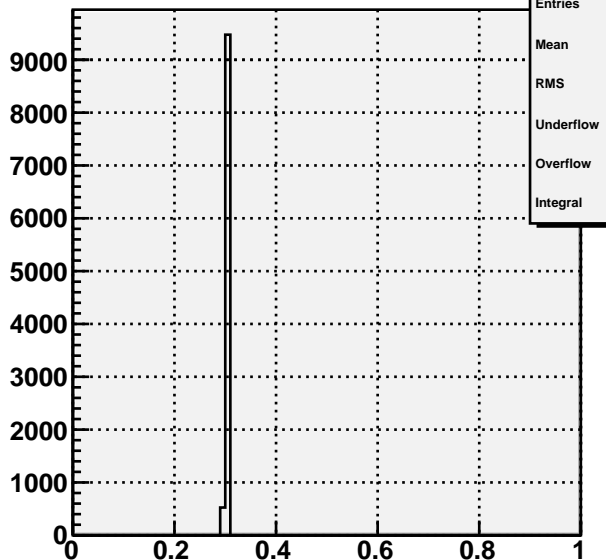
Entries	10000
Mean	11
RMS	8.849e-06
Underflow	0
Overflow	0
Integral	1e+04

-t (GeV²)**H1t**

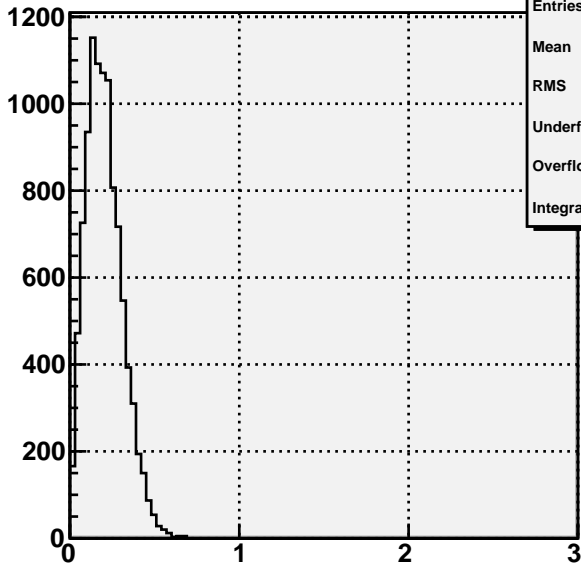
Entries	10000
Mean	0.00218
RMS	0.001977
Underflow	0
Overflow	0
Integral	1e+04

mg1g2 (GeV)**H1mg1g2**

Entries	10000
Mean	0.5479
RMS	0.0001069
Underflow	0
Overflow	0
Integral	1e+04

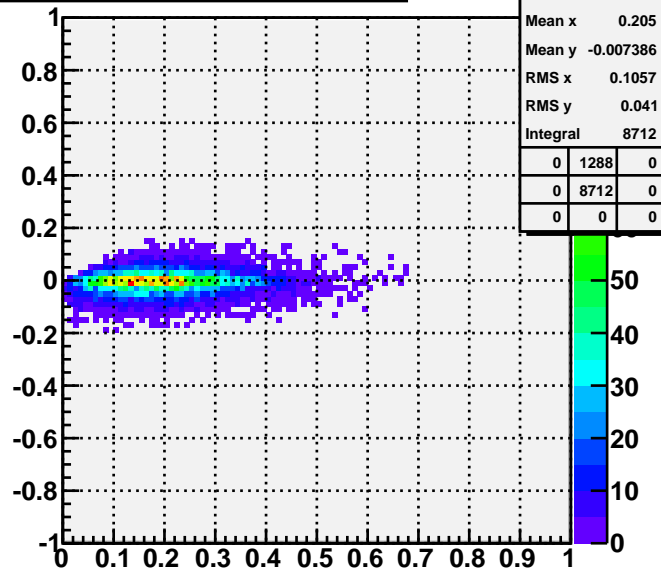
mg1g2² (GeV²)**H1mg1g22**

Entries	10000
Mean	0.3002
RMS	0.0001172
Underflow	0
Overflow	0
Integral	1e+04

θ_η (degrees)

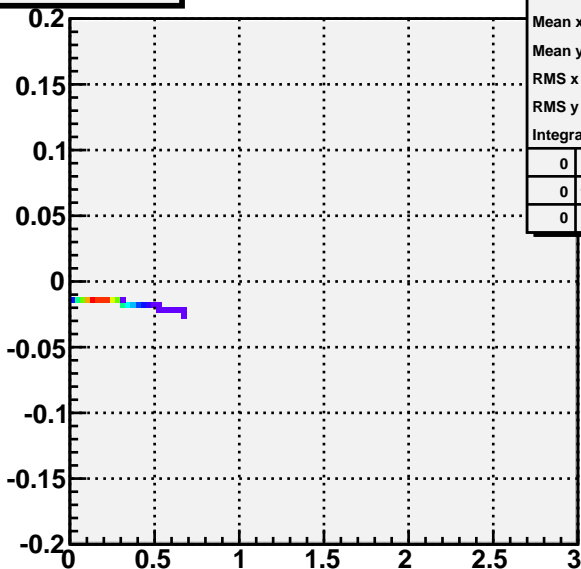
H1eta_the

Entries	10000
Mean	0.2046
RMS	0.106
Underflow	0
Overflow	0
Integral	1e+04

GEN-REC θ_η vs θ_η (degrees)

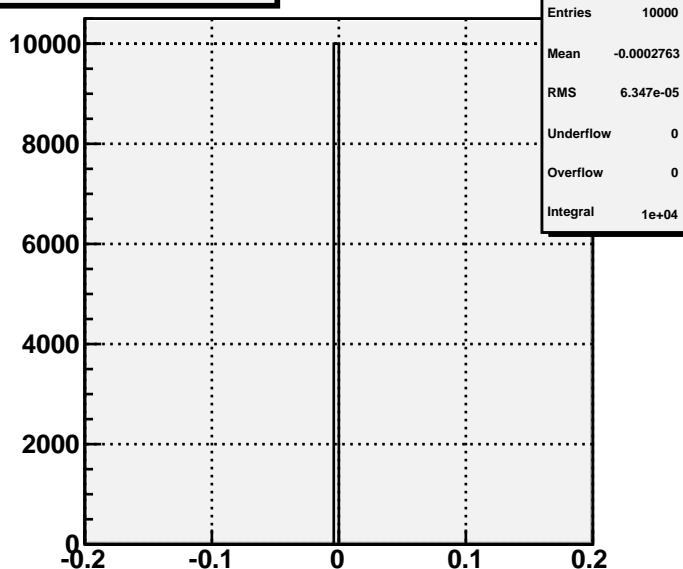
H2Deta_thevsthe

Entries	10000	
Mean x	0.205	
Mean y	-0.007386	
RMS x	0.1057	
RMS y	0.041	
Integral	8712	
0	1288	0
0	8712	0
0	0	0

 $pz_\eta - E_b$ vs θ_η 

H1eta_inelast_the

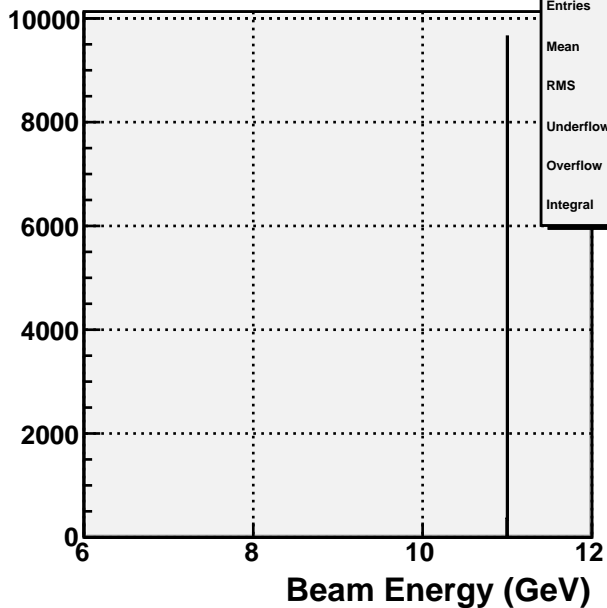
Entries	10000	
Mean x	0.2046	
Mean y	-0.01518	
RMS x	0.106	
RMS y	0.001144	
Integral	1e+04	
0	0	0
0	10000	0
0	0	0

Ratio(p1/eta1) - E_b 

H1eta_inelast1

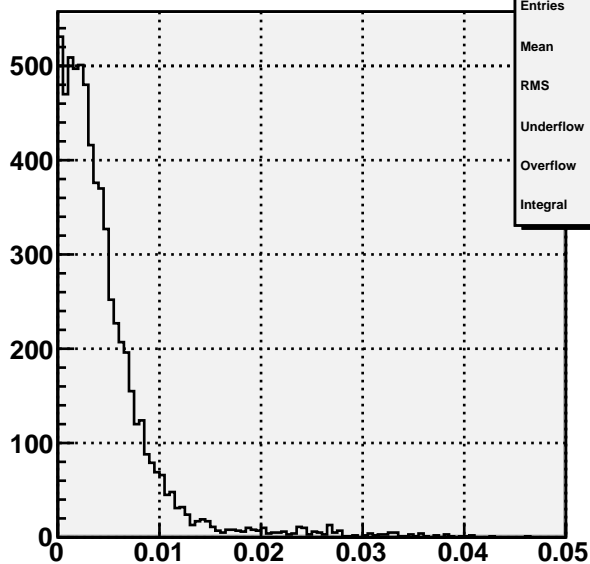
Entries	10000
Mean	-0.0002763
RMS	6.347e-05
Underflow	0
Overflow	0
Integral	1e+04

REC Eb=11.00 GeV



H1REb

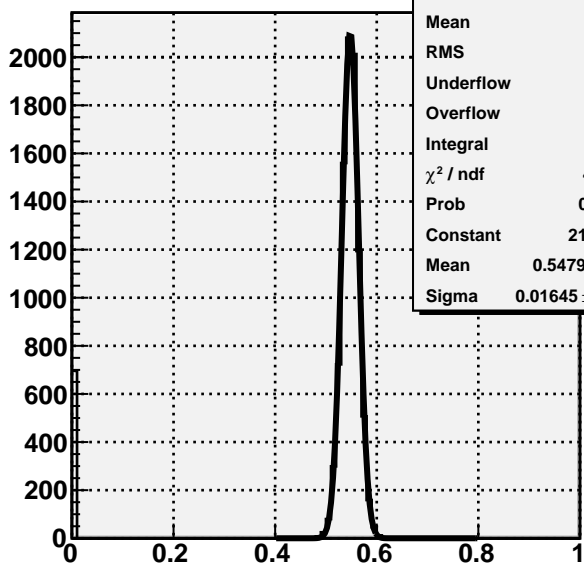
Entries	10000
Mean	11
RMS	0.001094
Underflow	0
Overflow	0
Integral	1e+04

REC -t (GeV²)

H1Rt

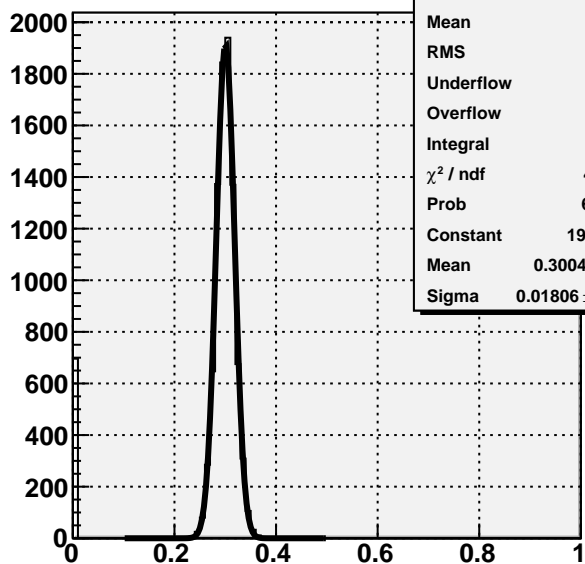
Entries	10000
Mean	0.004589
RMS	0.004907
Underflow	2438
Overflow	1028
Integral	6534

REC mg1g2 (GeV)



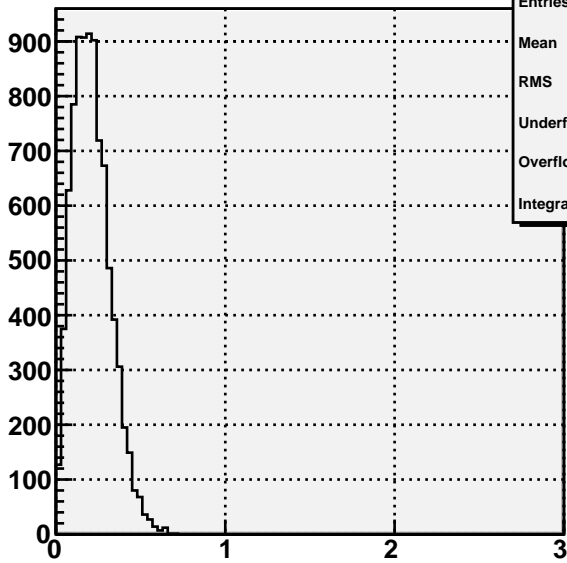
H1Rmg1g2

Entries	10000
Mean	0.5073
RMS	0.1442
Underflow	0
Overflow	592
Integral	9408
χ^2 / ndf	40.86 / 14
Prob	0.0001869
Constant	2102 ± 28.9
Mean	0.5479 ± 0.0002
Sigma	0.01645 ± 0.00014

REC mg1g2² (GeV²)

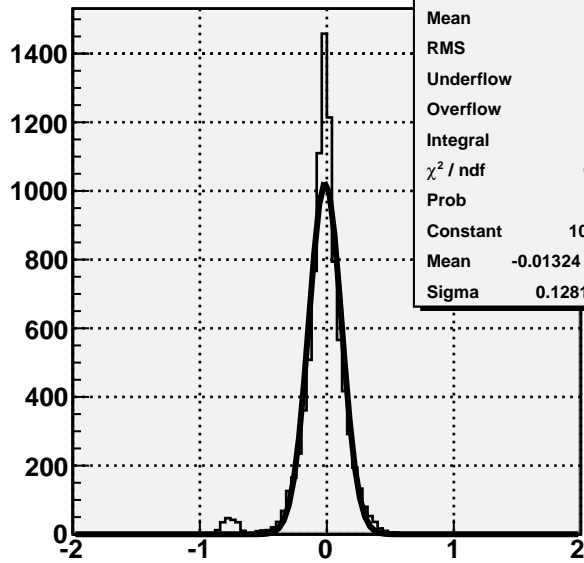
H1Rmg1g22

Entries	10000
Mean	0.2782
RMS	0.08054
Underflow	590
Overflow	2
Integral	9408
χ^2 / ndf	45.57 / 15
Prob	6.217e-05
Constant	1914 ± 26.4
Mean	0.3004 ± 0.0002
Sigma	0.01806 ± 0.00016

REC θ_η (degrees)

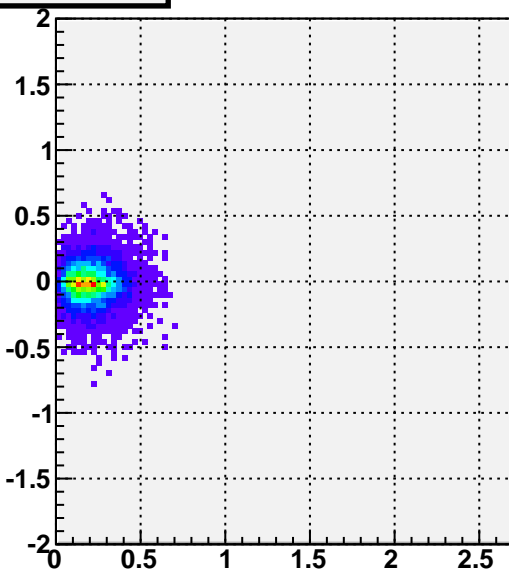
H1Reta_the	
Entries	10000
Mean	0.2124
RMS	0.1103
Underflow	1288
Overflow	0
Integral	8712

k1=0.005 k2=0.000 k3=0.002

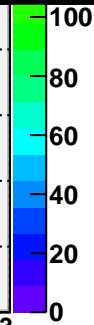
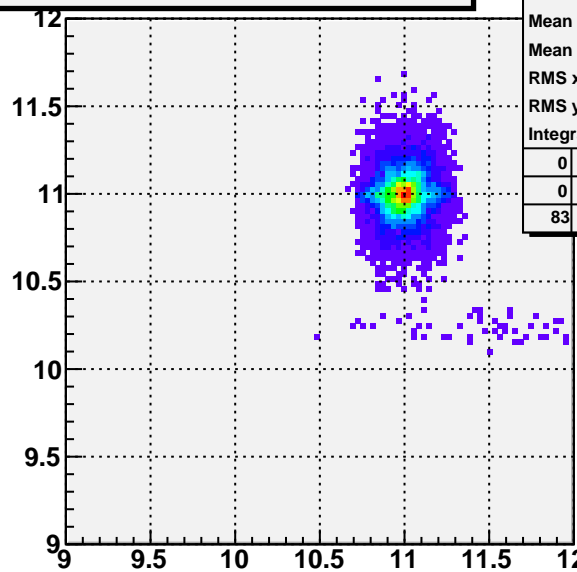
REC $pz_\eta - E_b$ 

H1Reta_pinelist	
Entries	10000
Mean	-0.0284
RMS	0.1723
Underflow	1106
Overflow	2
Integral	8892
χ^2 / ndf	646.8 / 37
Prob	0
Constant	1027 ± 16.8
Mean	-0.01324 ± 0.00141
Sigma	0.1281 ± 0.0015

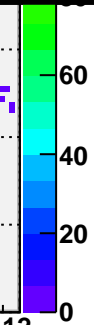
q1=0.064 q2=0.000 q3=0.000

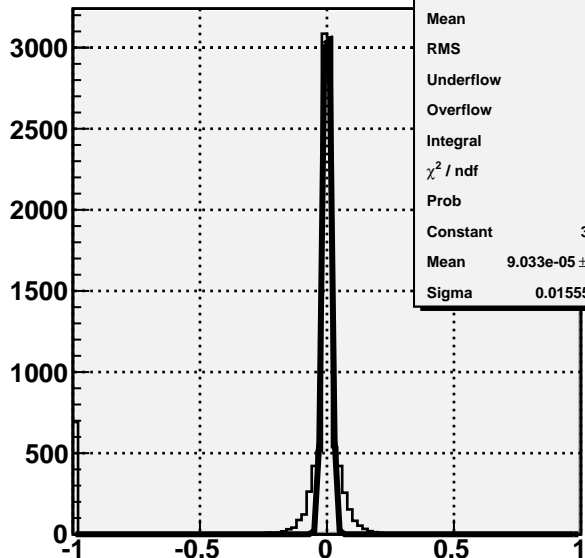
 $pz_\eta - E_b$ vs θ_η 

H1Reta_inelist_the		
Entries	10000	
Mean x	0.2124	
Mean y	-0.01326	
RMS x	0.1103	
RMS y	0.1376	
Integral	8712	
	2	0
	180	8712
	1106	0

**REC E_η (E_1, E_2) vs E_η (E_1, θ) GeV**

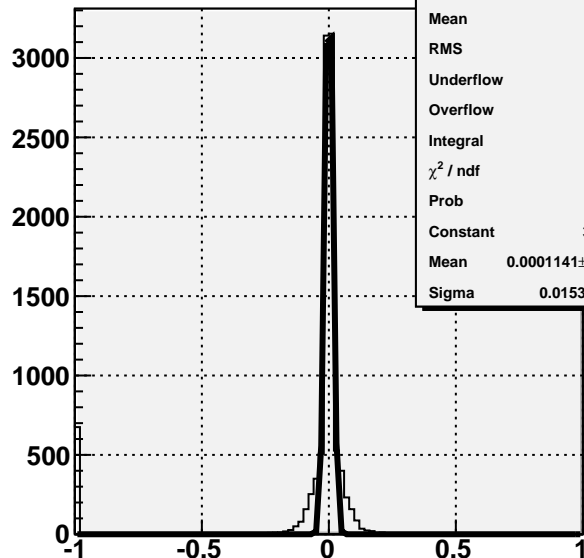
H2RetaEvsetaE2		
Entries	10000	
Mean x	11	
Mean y	11	
RMS x	0.1193	
RMS y	0.1486	
Integral	8759	
	0	0
	0	8759
	83	5



GEN-REC $\Delta E_{\gamma 1}/E$ **H1Dg1_the**

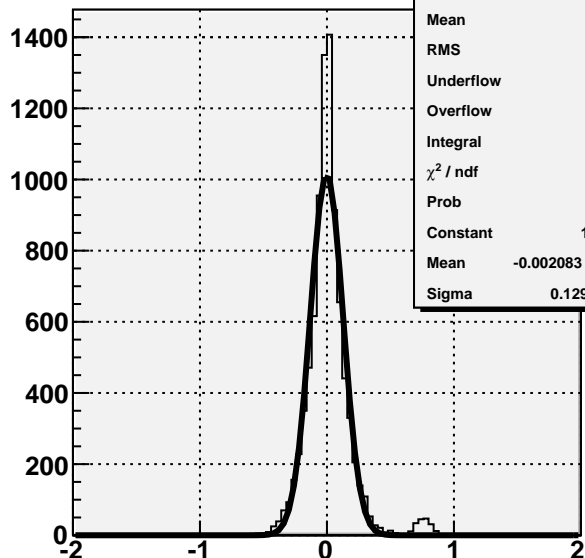
Entries	10000
Mean	-0.06889
RMS	0.2585
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	2731 / 45
Prob	0
Constant	3729 ± 58.9
Mean	9.033e-05 ± 1.825e-04
Sigma	0.01555 ± 0.00016

k1=0.005 k2=0.000 k3=0.002

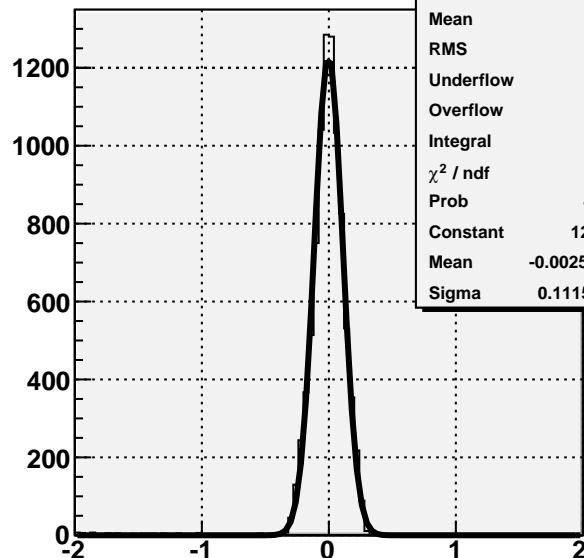
GEN-REC $\Delta E_{\gamma 2}/E$ **H1Dg2_the**

Entries	10000
Mean	-0.06742
RMS	0.2553
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	2609 / 45
Prob	0
Constant	3848 ± 59.9
Mean	0.0001141 ± 0.0001787
Sigma	0.01533 ± 0.00016

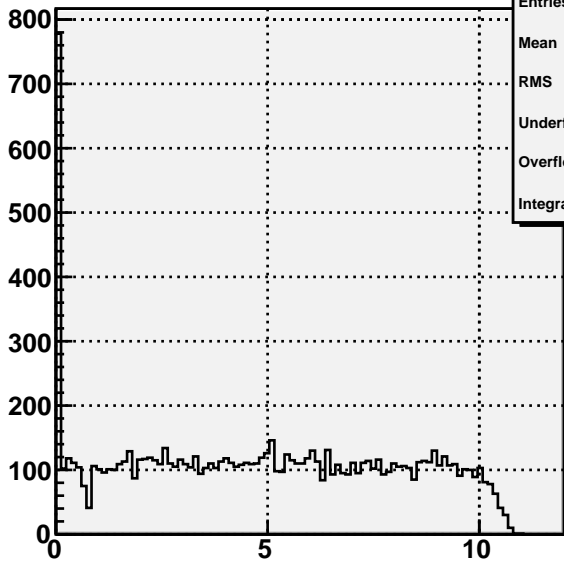
q1=0.064 q2=0.000 q3=0.000

GEN-REC $\Delta E_{\eta} (E1,E2)$ **H1Deta_E**

Entries	10000
Mean	0.01347
RMS	0.1737
Underflow	0
Overflow	1108
Integral	8892
χ^2 / ndf	653.7 / 37
Prob	0
Constant	1016 ± 16.5
Mean	-0.002083 ± 0.001426
Sigma	0.1294 ± 0.0015

GEN-REC $\Delta E_{\eta} (E,\theta)$ **H1Deta_E2**

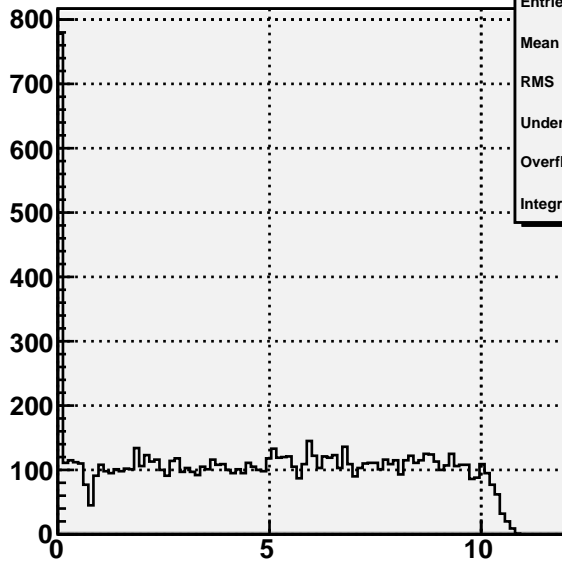
Entries	10000
Mean	-0.02049
RMS	0.2004
Underflow	1061
Overflow	83
Integral	8856
χ^2 / ndf	244.3 / 57
Prob	4.829e-25
Constant	1235 ± 16.2
Mean	-0.0025 ± 0.0012
Sigma	0.1115 ± 0.0008

REC $E_{\gamma 1}$ (GeV)

$k1=0.005$ $k2=0.000$ $k3=0.002$

H1REg1

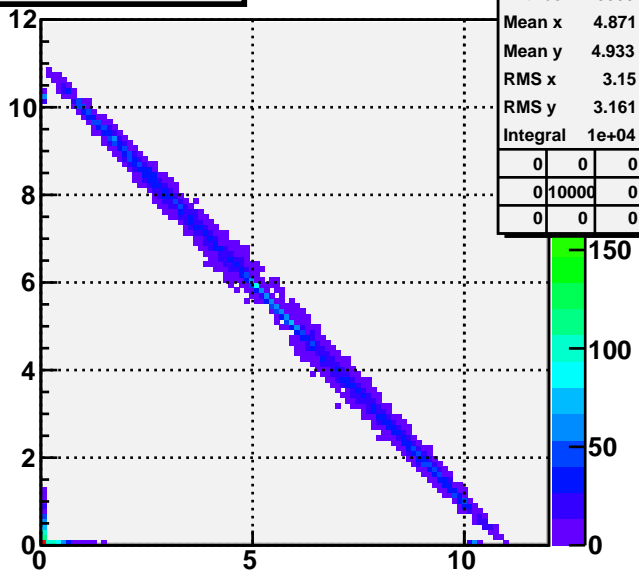
Entries	10000
Mean	4.871
RMS	3.15
Underflow	0
Overflow	0
Integral	1e+04

REC $E_{\gamma 2}$ (GeV)

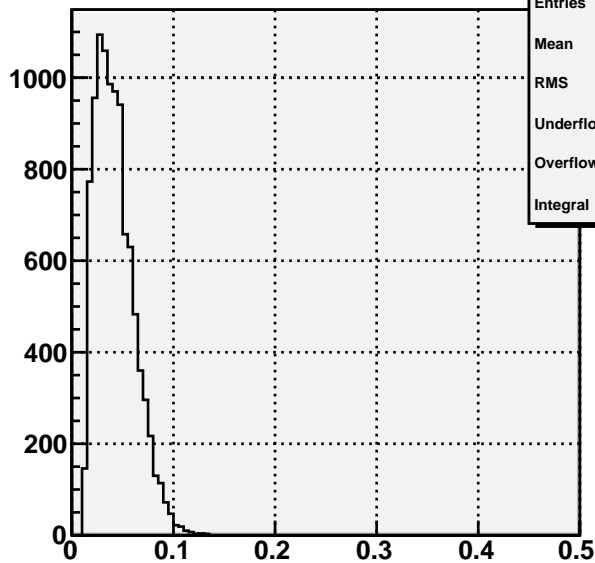
$q1=0.064$ $q2=0.000$ $q3=0.000$

H1REg2

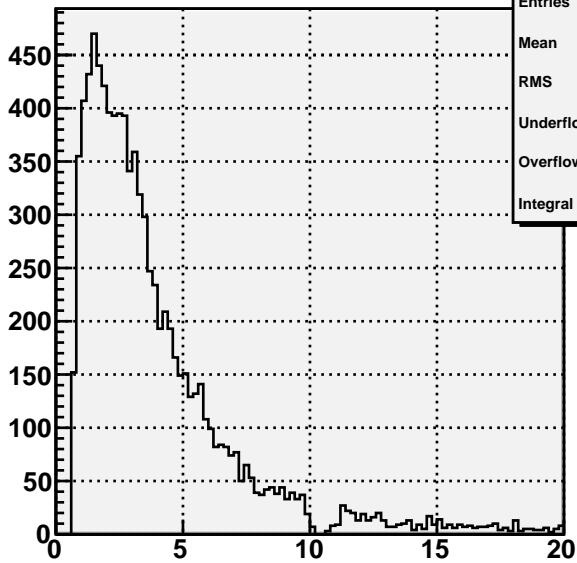
Entries	10000
Mean	4.933
RMS	3.161
Underflow	0
Overflow	0
Integral	1e+04

REC $E_{\gamma 2}$ vs $E_{\gamma 1}$ GeV**H2REg1vsEg2**

Entries	10000	
Mean x	4.871	
Mean y	4.933	
RMS x	3.15	
RMS y	3.161	
Integral	1e+04	
0	0	0
0	10000	0
0	0	0

REC P_p (GeV)**H1RPp**

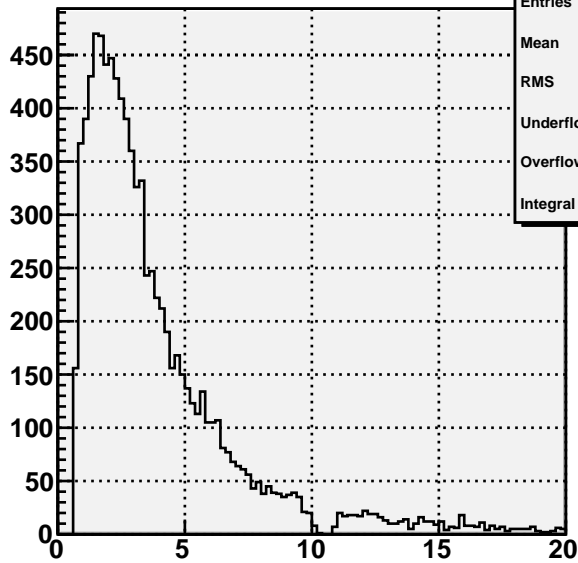
Entries	10000
Mean	0.04271
RMS	0.019
Underflow	0
Overflow	0
Integral	1e+04

REC $\theta_{\gamma 1}$ (deg)

$k1=0.005$ $k2=0.000$ $k3=0.002$

H1Rtheg1

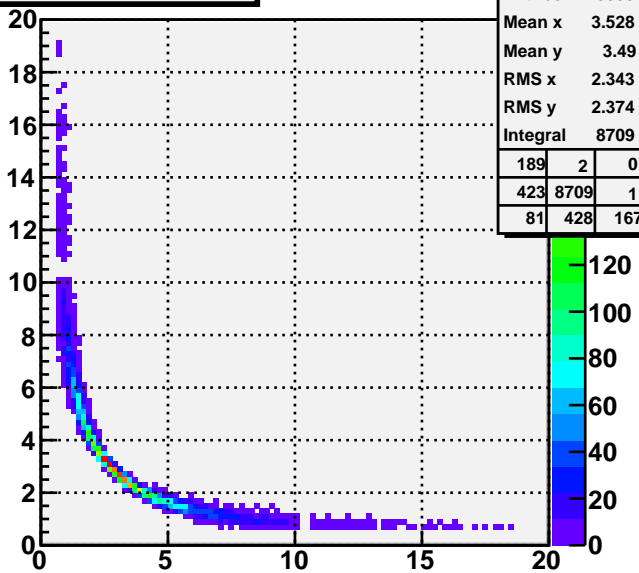
Entries	10000
Mean	3.901
RMS	3.147
Underflow	693
Overflow	168
Integral	9139

REC $\theta_{\gamma 2}$ (deg)

$q1=0.064$ $q2=0.000$ $q3=0.000$

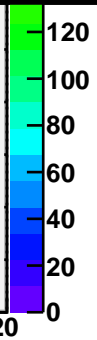
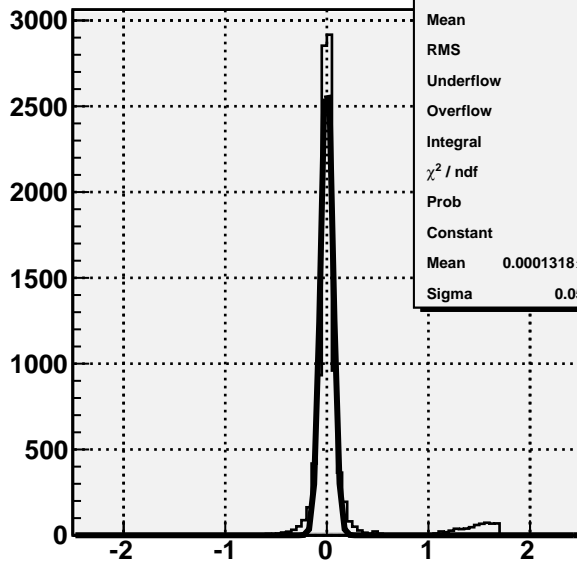
H1Rtheg2

Entries	10000
Mean	3.863
RMS	3.144
Underflow	676
Overflow	191
Integral	9133

REC $\theta_{\gamma 2}$ vs $\theta_{\gamma 2}$ (deg)**H2Rtheg1vstheg2**

Entries	10000
Mean x	3.528
Mean y	3.49
RMS x	2.343
RMS y	2.374
Integral	8709

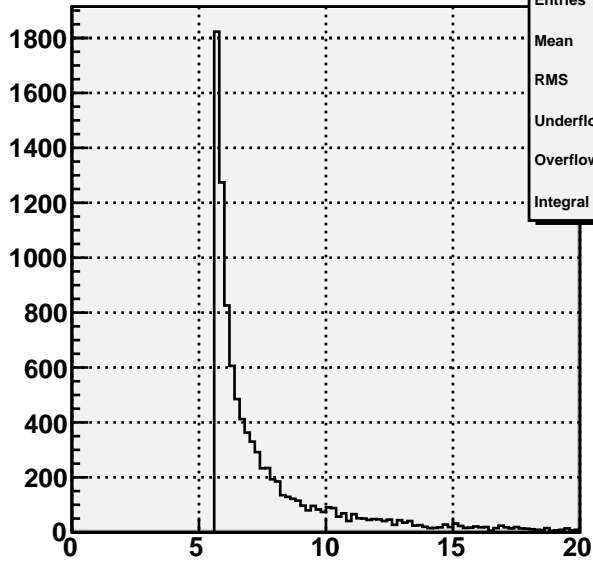
189	2	0
423	8709	1
81	428	167

**GEN-REC $\theta_{\gamma 1}$ (deg)****H1Dtheg1**

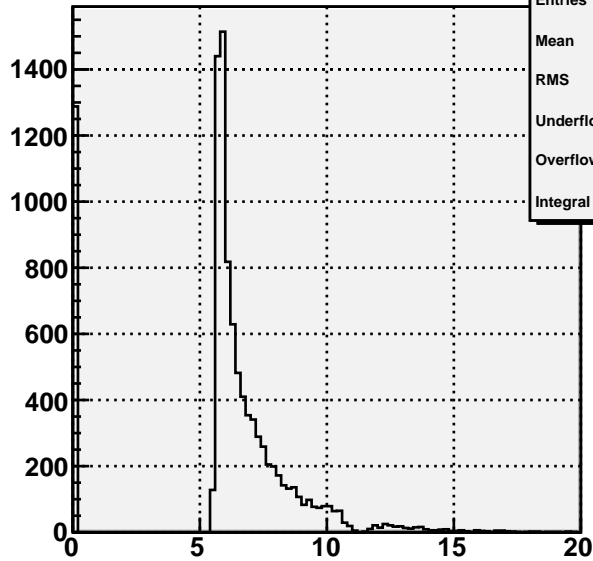
Entries	10000
Mean	0.08297
RMS	0.3639
Underflow	0
Overflow	127
Integral	9873
χ^2 / ndf	1609 / 60
Prob	0
Constant	2785 ± 51.1
Mean	0.0001318 ± 0.0006528
Sigma	0.0592 ± 0.0009

$\theta_{\gamma\gamma_2}$ (deg)**H1theg2g1**

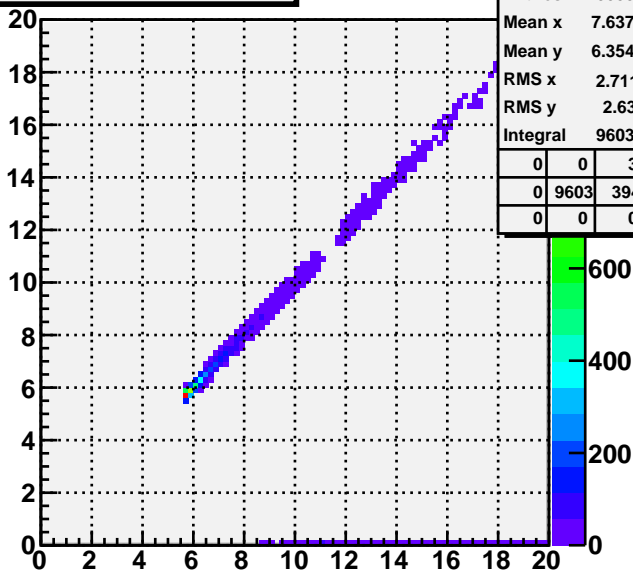
Entries	10000
Mean	7.637
RMS	2.711
Underflow	0
Overflow	397
Integral	9603

**k1=0.005 k2=0.000 k3=0.002****REC $\theta_{\gamma\gamma_2}$ (deg)****H1Rtheg2g1**

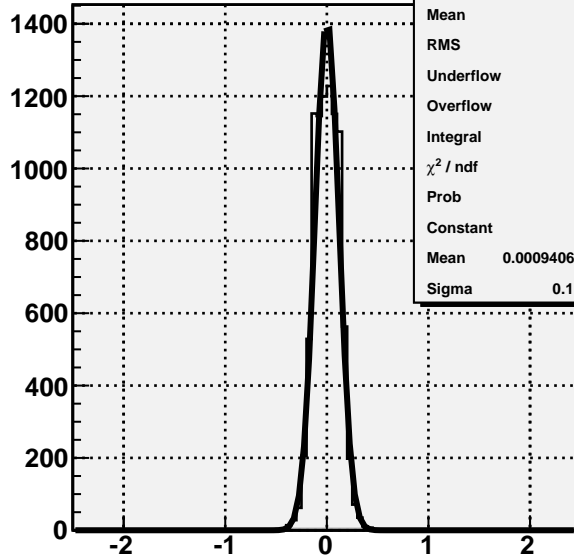
Entries	10000
Mean	6.103
RMS	2.859
Underflow	0
Overflow	3
Integral	9997

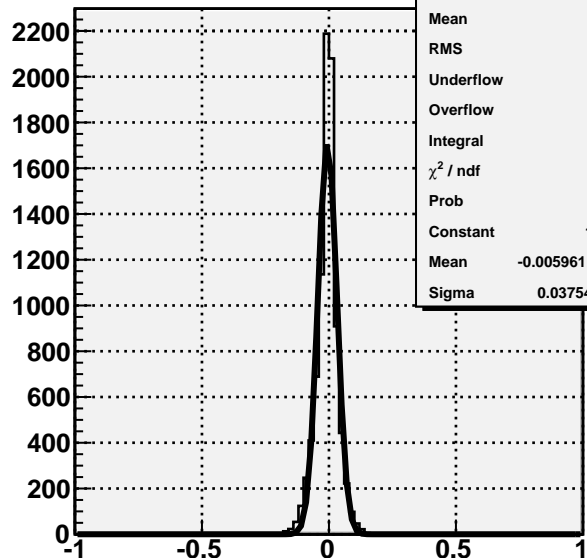
**q1=0.064 q2=0.000 q3=0.000****REC $\theta_{\gamma\gamma_2}$ vs $\theta_{\gamma\gamma_2}$ (deg)****H2Rtheg1g2_theg1g2**

Entries	10000	
Mean x	7.637	
Mean y	6.354	
RMS x	2.711	
RMS y	2.63	
Integral	9603	
0	0	3
0	9603	394
0	0	0

**GEN-REC $\theta_{\gamma\gamma_2}$ (deg)****H1Dtheg2g1**

Entries	10000
Mean	0.000501
RMS	0.1201
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	293.4 / 21
Prob	0
Constant	1412 \pm 18.3
Mean	0.0009406 \pm 0.0012962
Sigma	0.1189 \pm 0.0008

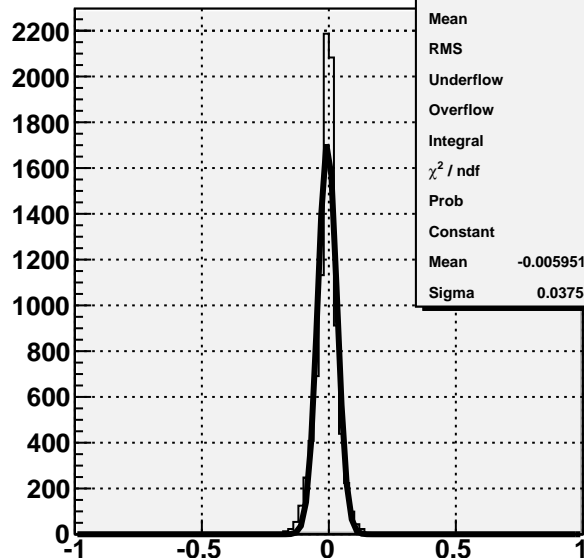


GEN-REC θ_η (degrees)

$k_1=0.005$ $k_2=0.000$ $k_3=0.002$

H1Data_the

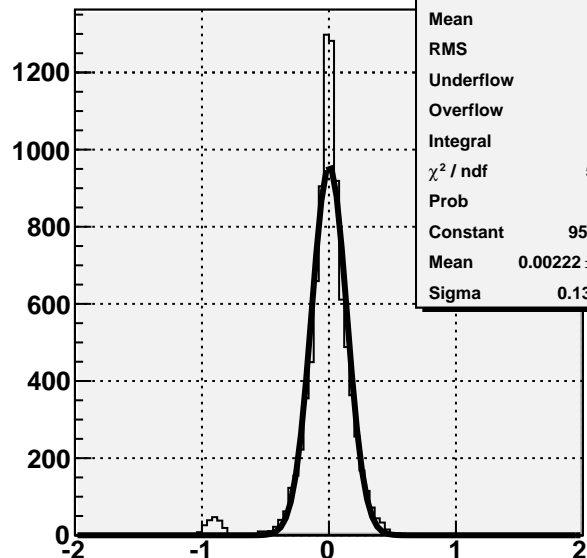
Entries	10000
Mean	-0.007386
RMS	0.041
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	642.6 / 15
Prob	0
Constant	1715 ± 30.1
Mean	-0.005961 ± 0.000437
Sigma	0.03754 ± 0.00051

GEN-REC θ_η EQ11 (degrees)

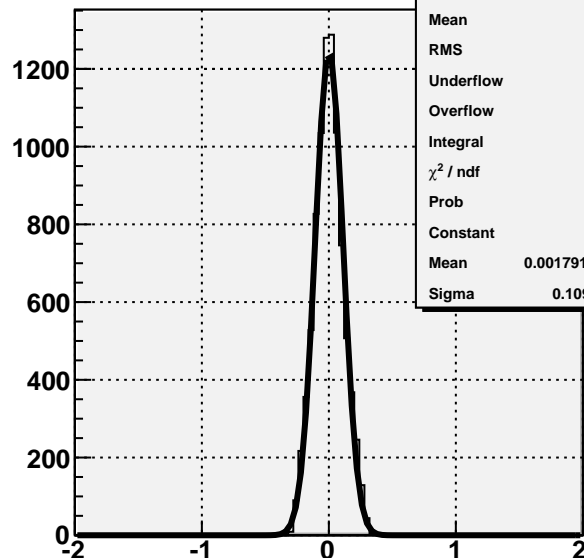
$q_1=0.064$ $q_2=0.000$ $q_3=0.000$

H1Data_the2

Entries	10000
Mean	-0.007389
RMS	0.041
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	646.1 / 15
Prob	0
Constant	1715 ± 30.1
Mean	-0.005951 ± 0.000438
Sigma	0.03754 ± 0.00051

REC Ratio(p_1/η_1) - E_b (E1,E2)**H1Reta_inelast1**

Entries	9921
Mean	-0.01654
RMS	0.1927
Underflow	1027
Overflow	2
Integral	8892
χ^2 / ndf	594.6 / 39
Prob	0
Constant	959.1 ± 15.2
Mean	0.00222 ± 0.00152
Sigma	0.138 ± 0.002

REC Ratio(p_2/η_2) - E_b (E1, θ)**H1Reta_inelast2**

Entries	9921
Mean	0.002404
RMS	0.1122
Underflow	1209
Overflow	0
Integral	8712
χ^2 / ndf	150.6 / 15
Prob	1.864e-24
Constant	1248 ± 16.1
Mean	0.001791 ± 0.001202
Sigma	0.1097 ± 0.0008