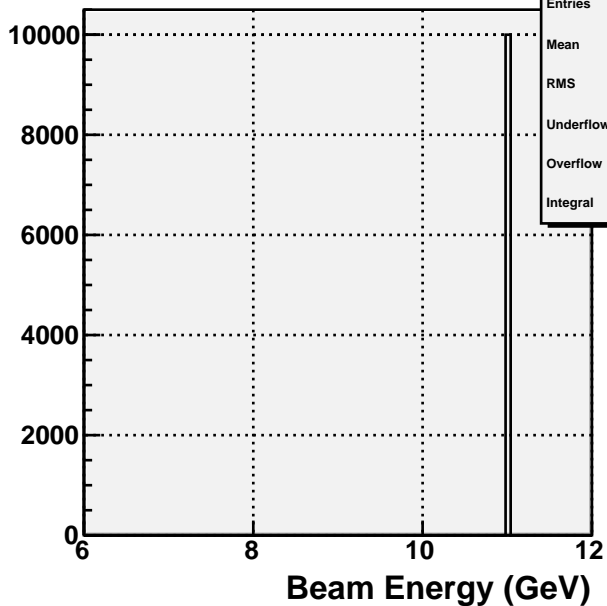
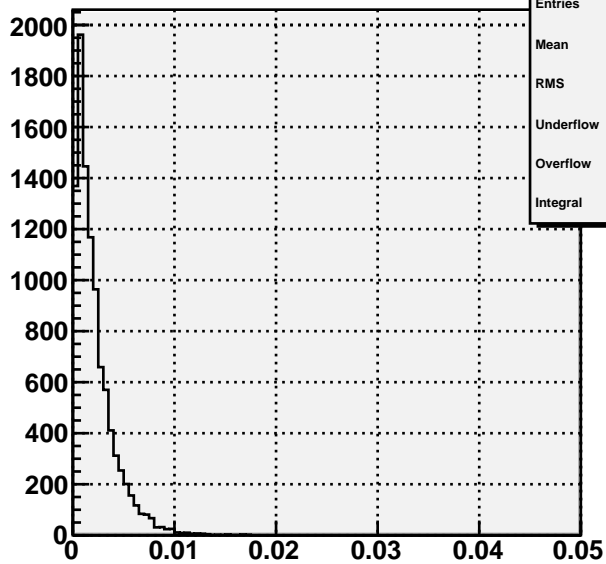
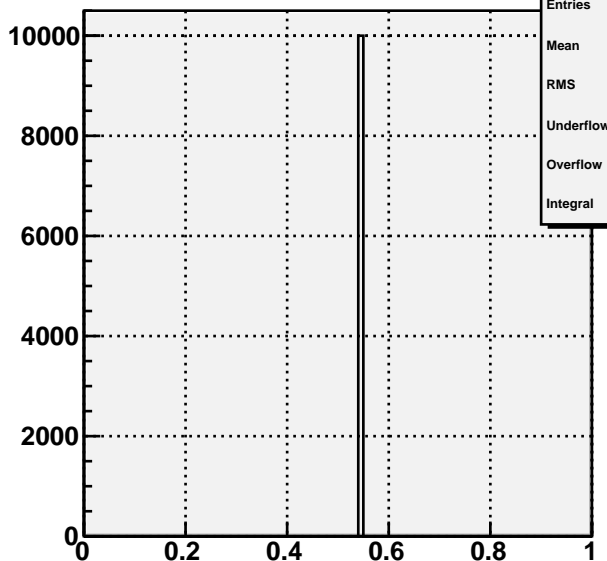


Eb=11.00 GeV**H1Eb**

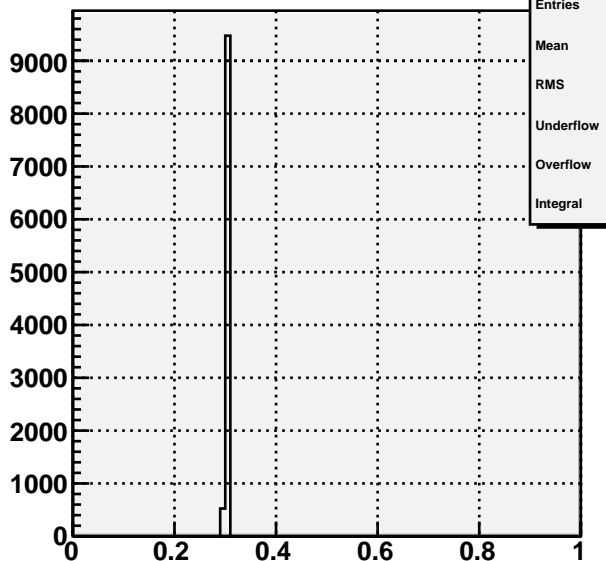
Entries	10000
Mean	11
RMS	8.849e-06
Underflow	0
Overflow	0
Integral	1e+04

-t (GeV²)**H1t**

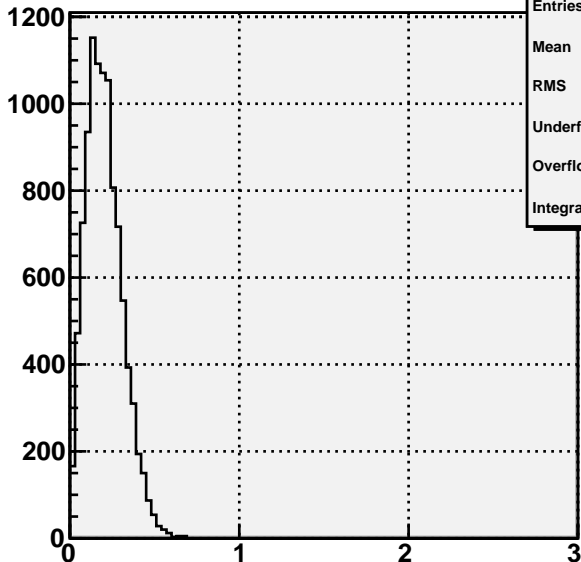
Entries	10000
Mean	0.00218
RMS	0.001977
Underflow	0
Overflow	0
Integral	1e+04

mg1g2 (GeV)**H1mg1g2**

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

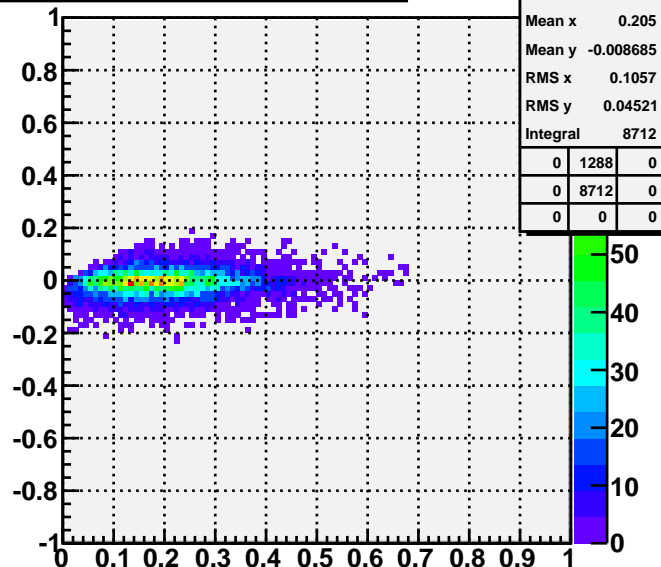
mg1g2² (GeV²)**H1mg1g22**

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

θ_η (degrees)

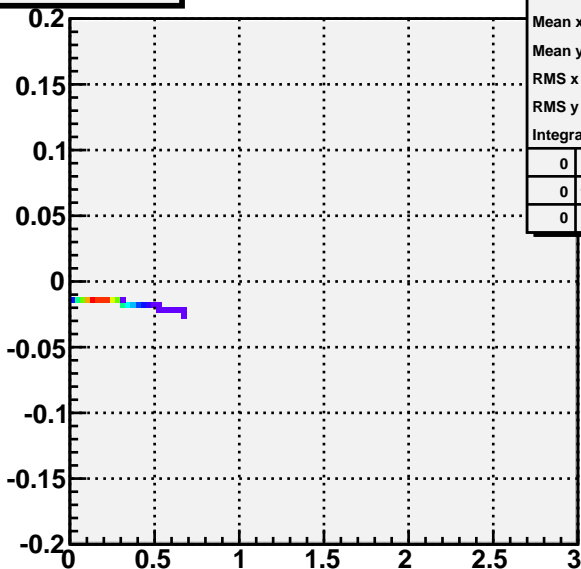
H1eta_the

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

GEN-REC θ_η vs θ_η (degrees)

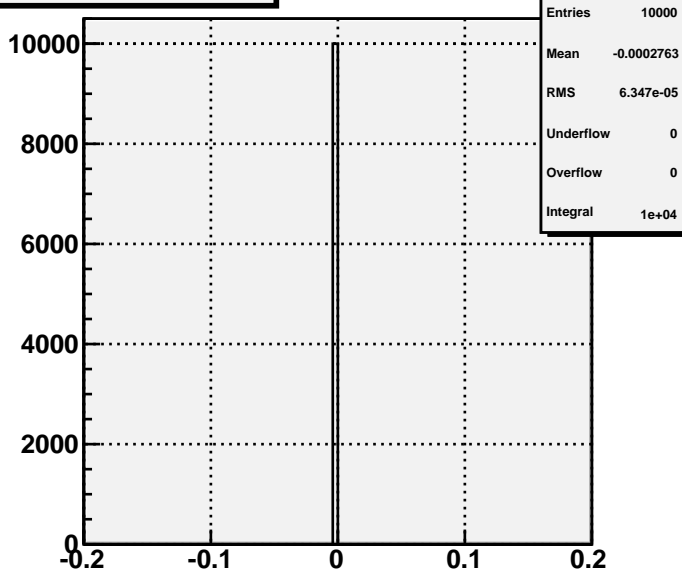
H2Data_thevsthe

Entries	10000	
Mean x	0.205	
Mean y	-0.008685	
RMS x	0.1057	
RMS y	0.04521	
Integral	8712	
0	1288	0
0	8712	0
0	0	0

 $p_{z_\eta} - E_b$ vs θ_η 

H1eta_inelast_the

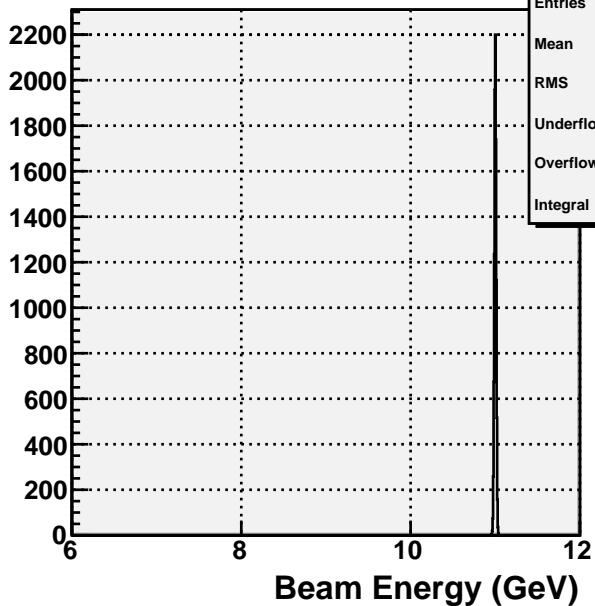
Entries	10000	
Mean x	0.2046	
Mean y	-0.01518	
RMS x	0.106	
RMS y	0.001144	
Integral	1e+04	
0	0	0
0	10000	0
0	0	0

Ratio(p_1/η_1) - E_b 

H1eta_inelast1

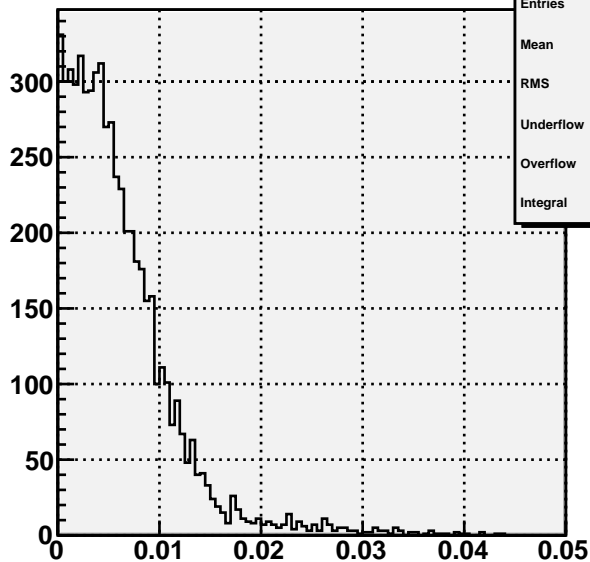
Entries	10000
Mean	-0.0002763
RMS	6.347e-05
Underflow	0
Overflow	0
Integral	1e+04

REC Eb=11.00 GeV



H1REb

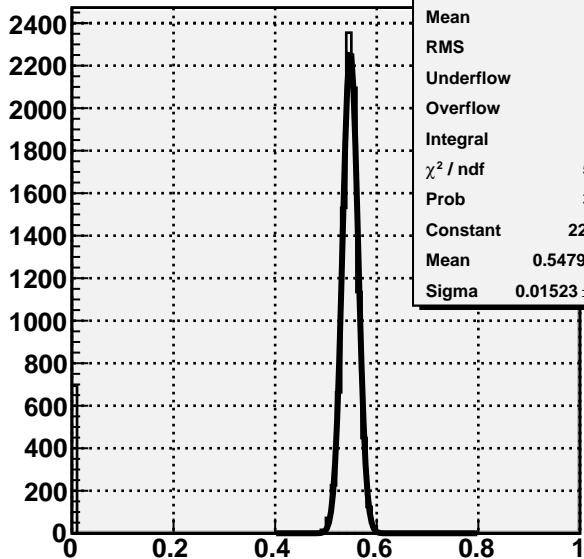
Entries	10000
Mean	11
RMS	0.01094
Underflow	0
Overflow	0
Integral	1e+04

REC -t (GeV²)

H1Rt

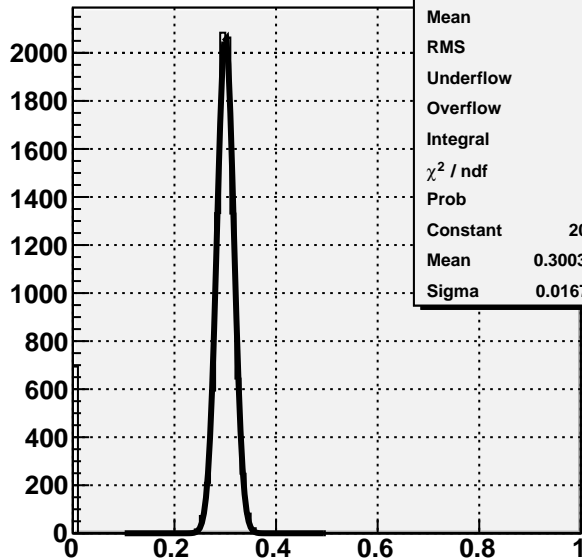
Entries	10000
Mean	0.006085
RMS	0.005379
Underflow	3056
Overflow	1028
Integral	5916

REC mg1g2 (GeV)



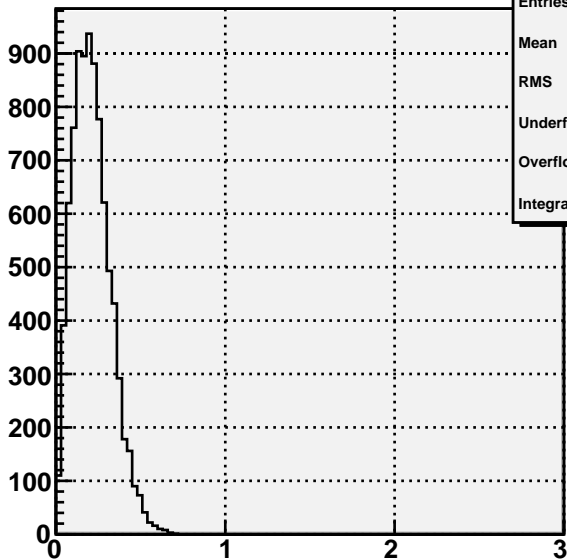
H1Rmg1g2

Entries	10000
Mean	0.5074
RMS	0.1439
Underflow	0
Overflow	594
Integral	9406
χ^2 / ndf	57.47 / 14
Prob	3.239e-07
Constant	2267 \pm 31.7
Mean	0.5479 \pm 0.0002
Sigma	0.01523 \pm 0.00014

REC mg1g2² (GeV²)

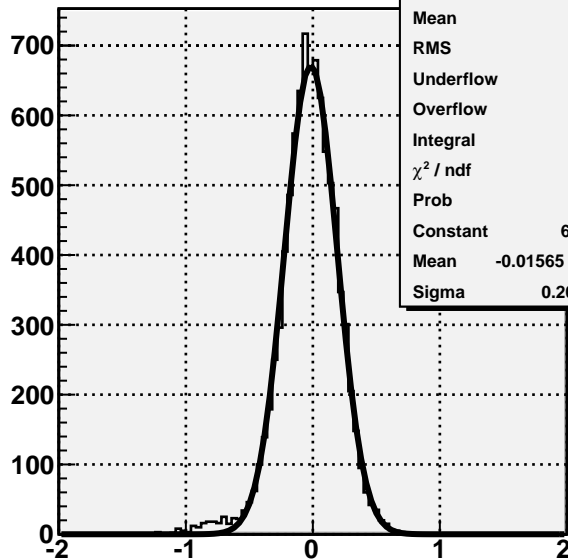
H1Rmg1g22

Entries	10000
Mean	0.2782
RMS	0.08017
Underflow	593
Overflow	1
Integral	9406
χ^2 / ndf	56.46 / 15
Prob	1.015e-06
Constant	2067 \pm 28.9
Mean	0.3003 \pm 0.0002
Sigma	0.0167 \pm 0.0001

REC θ_η (degrees)


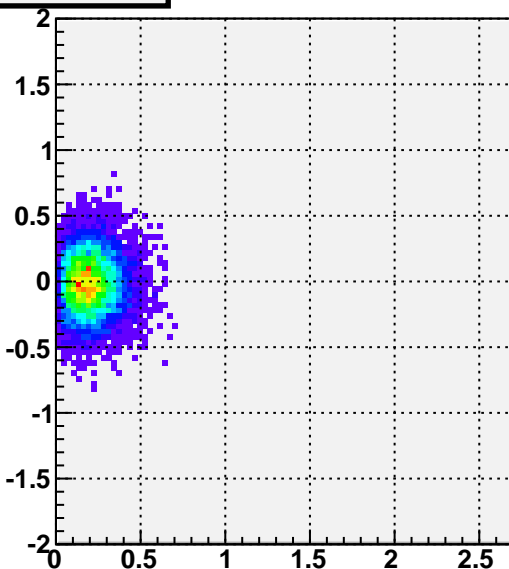
H1Reta_the	
Entries	10000
Mean	0.2137
RMS	0.1109
Underflow	1288
Overflow	0
Integral	8712

k1=0.025 k2=0.000 k3=0.010

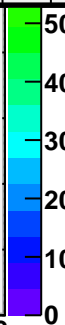
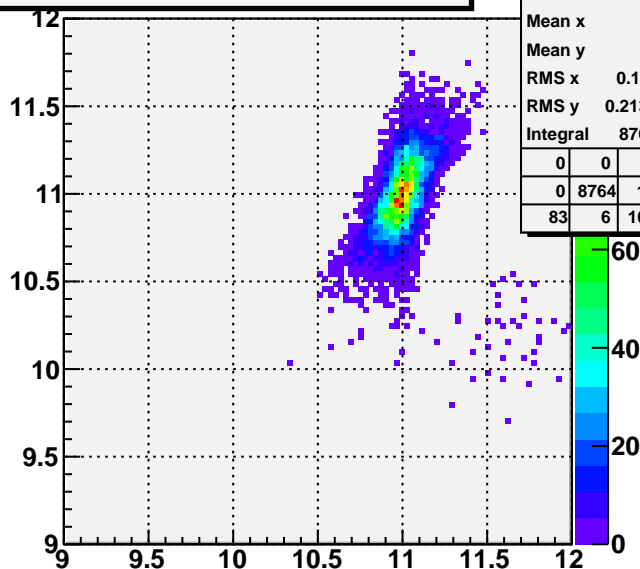
REC $pz_\eta - E_b$


H1Reta_pinelast	
Entries	10000
Mean	-0.02879
RMS	0.2306
Underflow	1107
Overflow	1
Integral	8892
χ^2 / ndf	174.8 / 47
Prob	1.317e-16
Constant	672.2 \pm 9.2
Mean	-0.01565 \pm 0.00223
Sigma	0.207 \pm 0.002

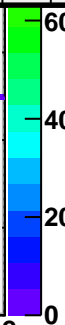
q1=0.320 q2=0.000 q3=0.000

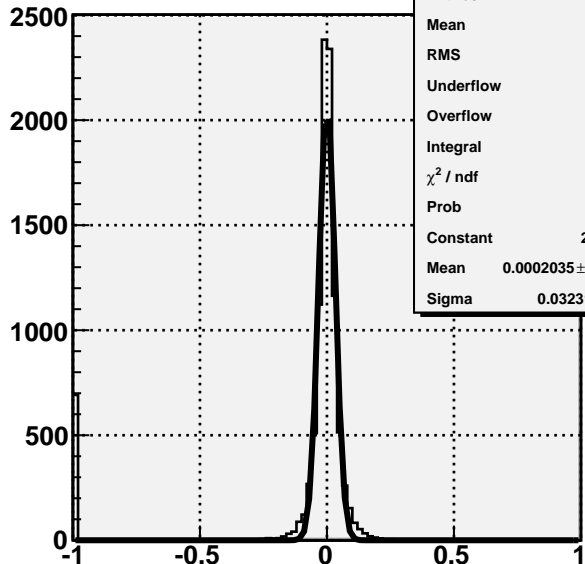
 $pz_\eta - E_b$ vs θ_η


H1Reta_inelast_the		
Entries	10000	
Mean x	0.2137	
Mean y	-0.01324	
RMS x	0.1109	
RMS y	0.2043	
Integral	8712	
	1	0
	180	8712
	1107	0

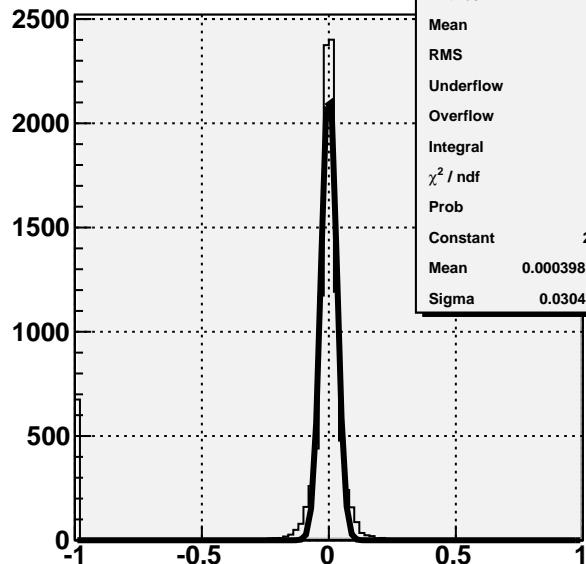

REC E_η (E1,E2) vs E_η (E1, θ) GeV


H2RetaEvsetaE2		
Entries	10000	
Mean x	11	
Mean y	11	
RMS x	0.117	
RMS y	0.2134	
Integral	8764	
	0	0
	0	8764
	83	6

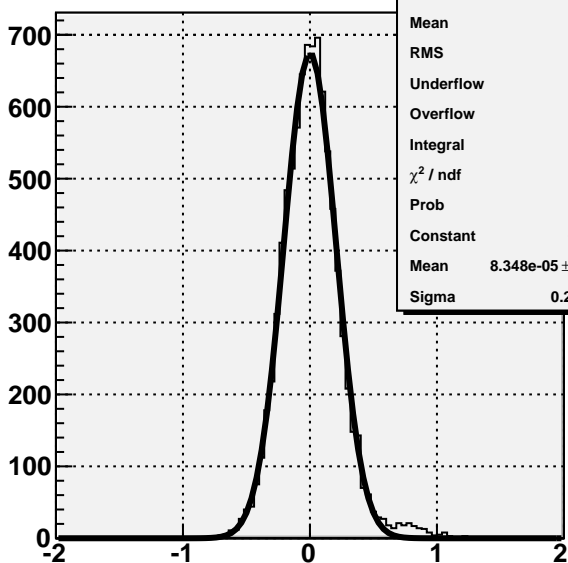


GEN-REC $\Delta E_{\gamma 1}/E$ **H1Dg1_the**

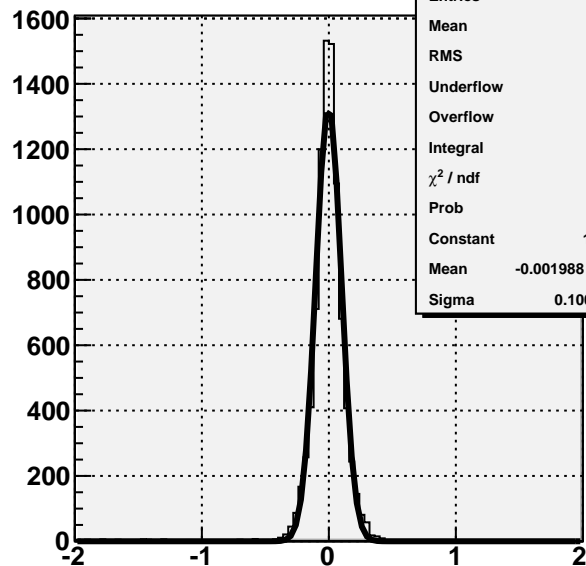
Entries	10000
Mean	-0.0689
RMS	0.2588
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	1551 / 45
Prob	0
Constant	2086 ± 35.8
Mean	0.0002035 ± 0.0003515
Sigma	0.03231 ± 0.00043

k1=0.025 k2=0.000 k3=0.010**GEN-REC $\Delta E_{\gamma 2}/E$** **H1Dg2_the**

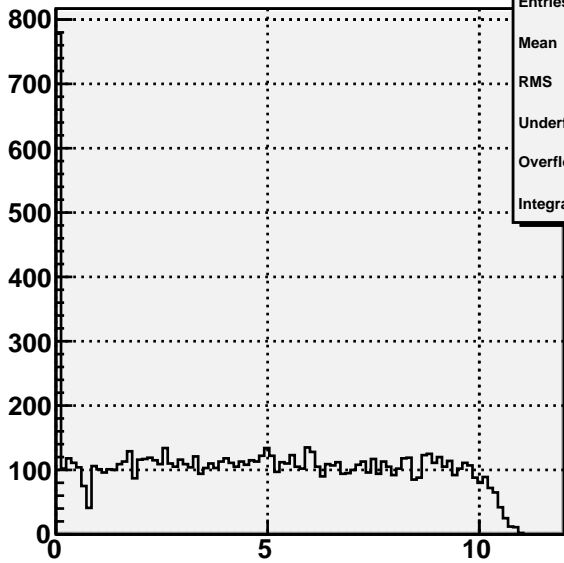
Entries	10000
Mean	-0.06744
RMS	0.2556
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	1577 / 45
Prob	0
Constant	2207 ± 37.7
Mean	0.000398 ± 0.000333
Sigma	0.03046 ± 0.00040

q1=0.320 q2=0.000 q3=0.000**GEN-REC $\Delta E_{\eta} (E1, E2)$** **H1Deta_E**

Entries	10000
Mean	0.01383
RMS	0.2313
Underflow	0
Overflow	1108
Integral	8892
χ^2 / ndf	188.5 / 47
Prob	7.668e-19
Constant	674.2 ± 9.2
Mean	$8.348e-05 \pm 2.216e-03$
Sigma	0.206 ± 0.002

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

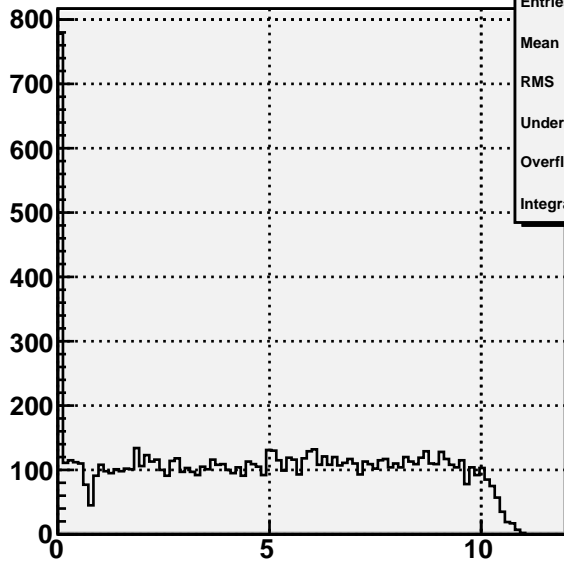
Entries	10000
Mean	-0.01825
RMS	0.1932
Underflow	1064
Overflow	83
Integral	8853
χ^2 / ndf	445.1 / 62
Prob	0
Constant	1334 ± 21.2
Mean	-0.001988 ± 0.001097
Sigma	0.1006 ± 0.0012

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

k1=0.025 k2=0.000 k3=0.010

H1REg1

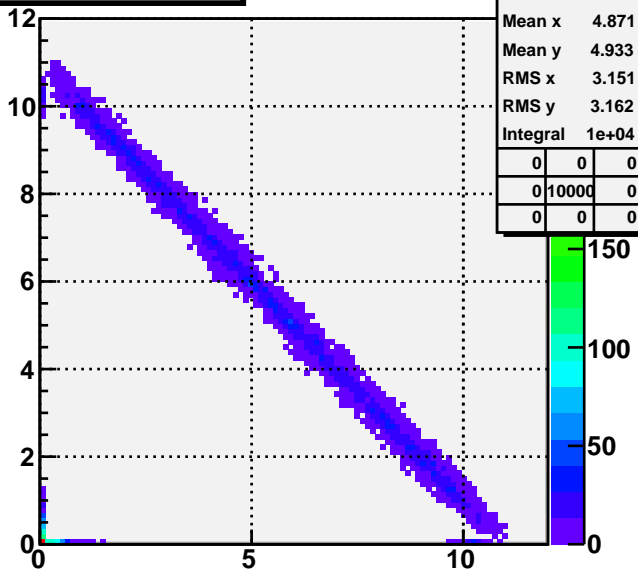
Entries	10000
Mean	4.871
RMS	3.151
Underflow	0
Overflow	0
Integral	1e+04

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

q1=0.320 q2=0.000 q3=0.000

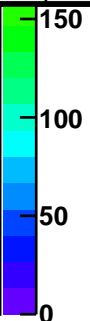
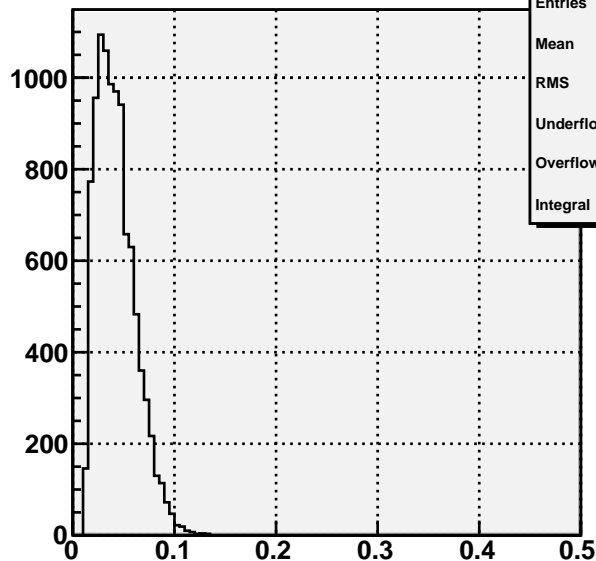
H1REg2

Entries	10000
Mean	4.933
RMS	3.162
Underflow	0
Overflow	0
Integral	1e+04

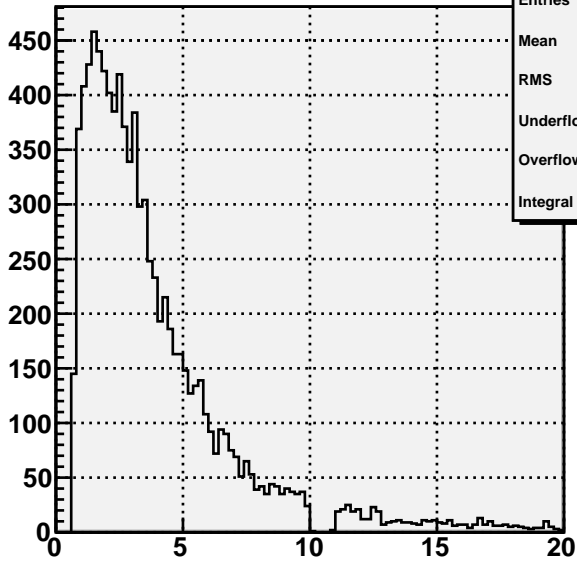
REC $E_{\gamma 2}$ vs $E_{\gamma 1}$ GeV**H2REg1vsEg2**

Entries	10000
Mean x	4.871
Mean y	4.933
RMS x	3.151
RMS y	3.162
Integral	1e+04

0	0	0
0	10000	0
0	0	0

**REC P_p (GeV)****H1RPp**

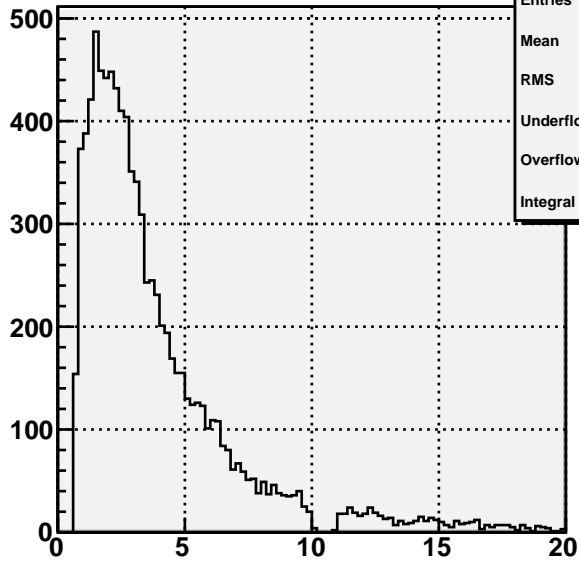
Entries	10000
Mean	0.04271
RMS	0.019
Underflow	0
Overflow	0
Integral	1e+04

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

$k1=0.025$ $k2=0.000$ $k3=0.010$

H1Rtheg1

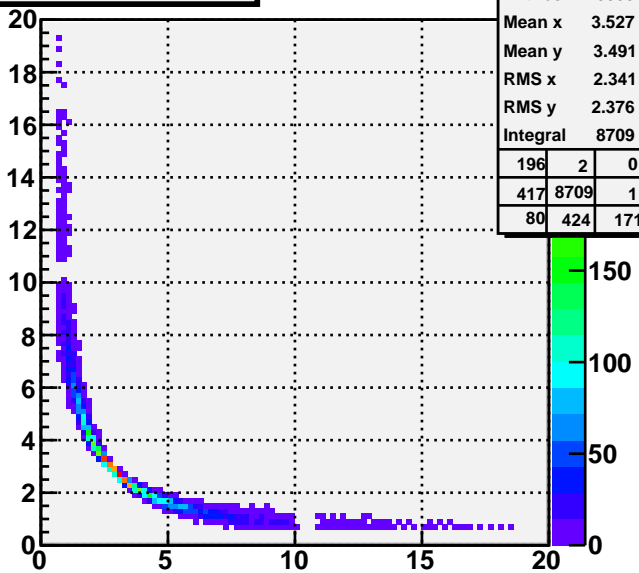
Entries	10000
Mean	3.893
RMS	3.128
Underflow	693
Overflow	172
Integral	9135

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

$q1=0.320$ $q2=0.000$ $q3=0.000$

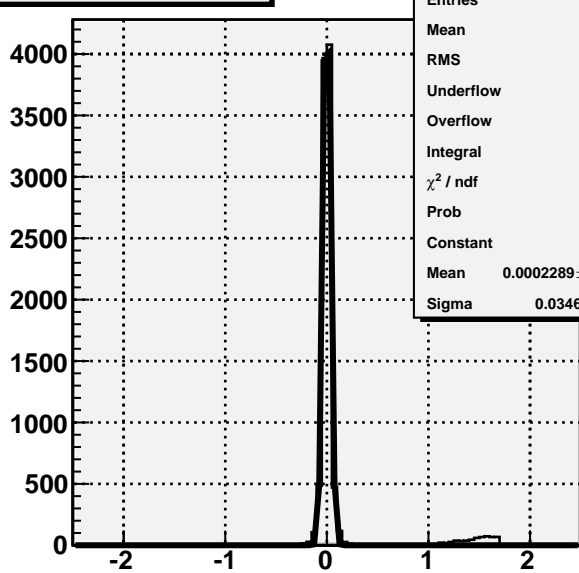
H1Rtheg2

Entries	10000
Mean	3.854
RMS	3.119
Underflow	675
Overflow	198
Integral	9127

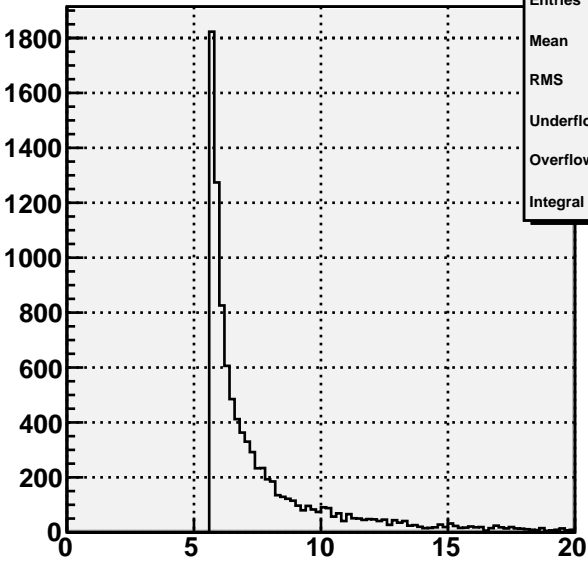
REC $\theta_{\gamma 2}$ vs $\theta_{\gamma 2}$ (deg)

H2Rtheg1vstheg2		
Entries	10000	
Mean x	3.527	
Mean y	3.491	
RMS x	2.341	
RMS y	2.376	
Integral	8709	

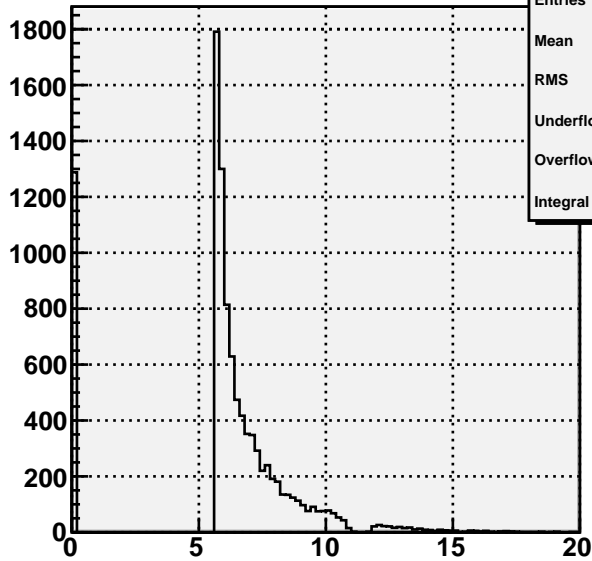
196	2	0
417	8709	1
80	424	171

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

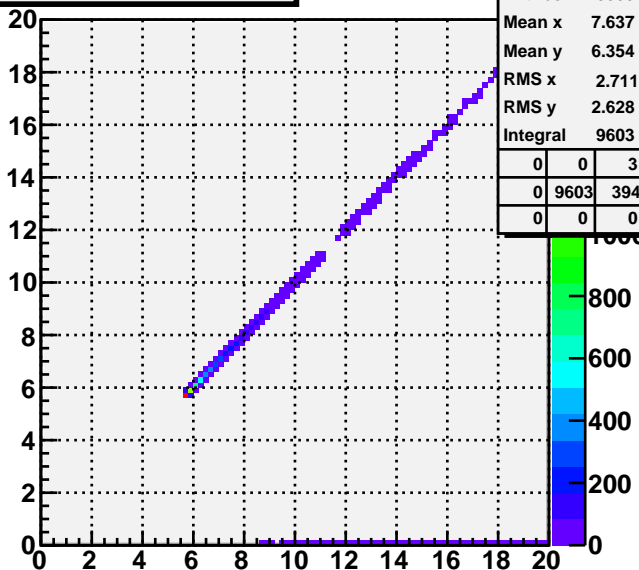
Entries	10000
Mean	0.0845
RMS	0.3446
Underflow	0
Overflow	125
Integral	9875
χ^2 / ndf	869.8 / 30
Prob	0
Constant	5184 ± 69.7
Mean	0.0002289 ± 0.0003660
Sigma	0.03465 ± 0.00029

$\theta_{\gamma\gamma 2}$ (deg)**H1theg2g1**

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

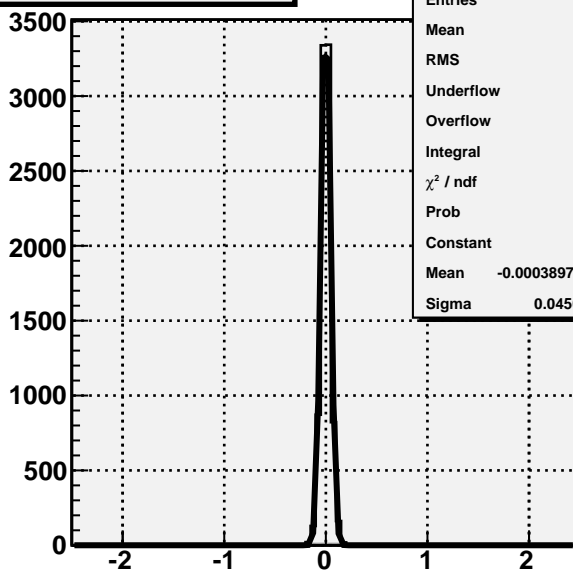
k1=0.025 k2=0.000 k3=0.010**REC $\theta_{\gamma\gamma 2}$ (deg)****H1Rtheg2g1**

Entries	10000
Mean	6.103
RMS	2.857
Underflow	0
Overflow	3
Integral	9997

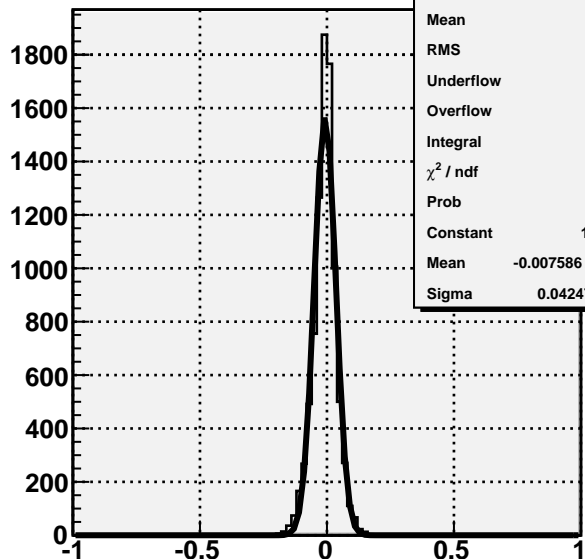
q1=0.320 q2=0.000 q3=0.000**REC $\theta_{\gamma\gamma 2}$ vs $\theta_{\gamma\gamma 2}$ (deg)****H2Rtheg1g2_theg1g2**

Entries	10000
Mean x	7.637
Mean y	6.354
RMS x	2.711
RMS y	2.628
Integral	9603

0	0	3
0	9603	394
0	0	0

GEN-REC $\theta_{\gamma\gamma 2}$ (deg)**H1Dtheg2g1**

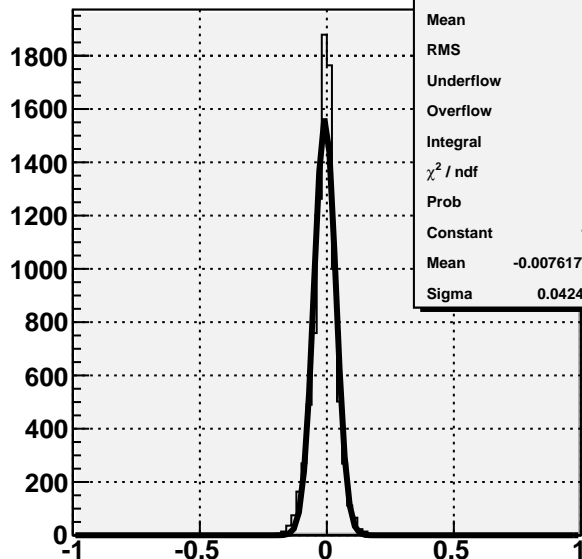
Entries	10000
Mean	0.0002457
RMS	0.04549
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	126.5 / 8
Prob	1.515e-23
Constant	3803 \pm 55.1
Mean	-0.0003897 \pm 0.0004861
Sigma	0.04503 \pm 0.00044

GEN-REC θ_η (degrees)

$k_1=0.025$ $k_2=0.000$ $k_3=0.010$

H1Data_the

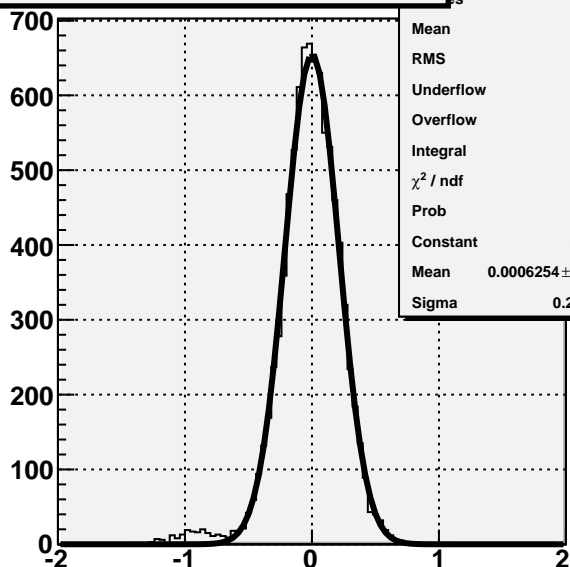
Entries	10000
Mean	-0.008685
RMS	0.04521
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	369.4 / 19
Prob	0
Constant	1567 \pm 24.9
Mean	-0.007586 \pm 0.000479
Sigma	0.04247 \pm 0.00049

GEN-REC θ_η EQ11 (degrees)

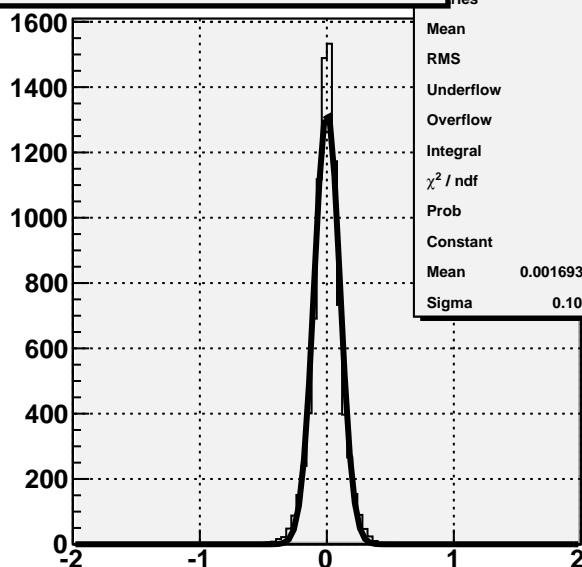
$q_1=0.320$ $q_2=0.000$ $q_3=0.000$

H1Data_the2

Entries	10000
Mean	-0.008686
RMS	0.04521
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	367.5 / 18
Prob	0
Constant	1567 \pm 24.9
Mean	-0.007617 \pm 0.000479
Sigma	0.04248 \pm 0.00049

REC Ratio(p1/eta1) - E_b (E1,E2)**H1Reta_inelast1**

Entries	9921
Mean	-0.01695
RMS	0.2483
Underflow	1028
Overflow	1
Integral	8892
χ^2 / ndf	200.4 / 52
Prob	2.787e-19
Constant	654.5 \pm 8.9
Mean	0.0006254 \pm 0.0022769
Sigma	0.212 \pm 0.002

REC Ratio(p2/eta2) - E_b (E1, θ)**H1Reta_inelast2**

Entries	9921
Mean	0.001182
RMS	0.1086
Underflow	1209
Overflow	0
Integral	8712
χ^2 / ndf	313.7 / 22
Prob	0
Constant	1331 \pm 21.1
Mean	0.001693 \pm 0.001098
Sigma	0.1007 \pm 0.0012