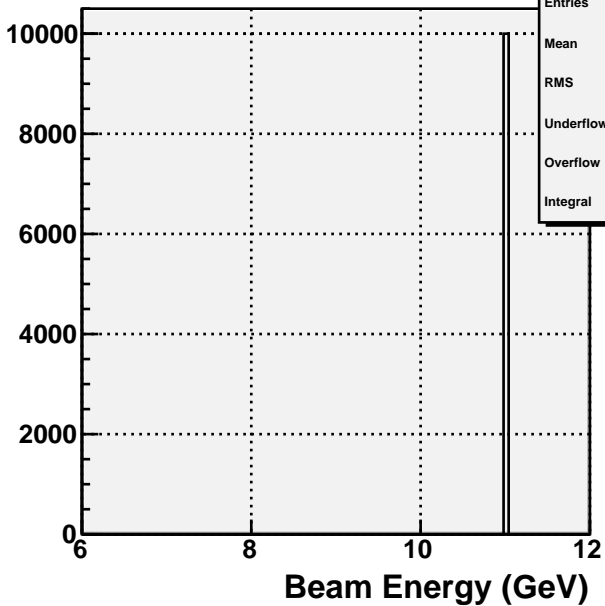
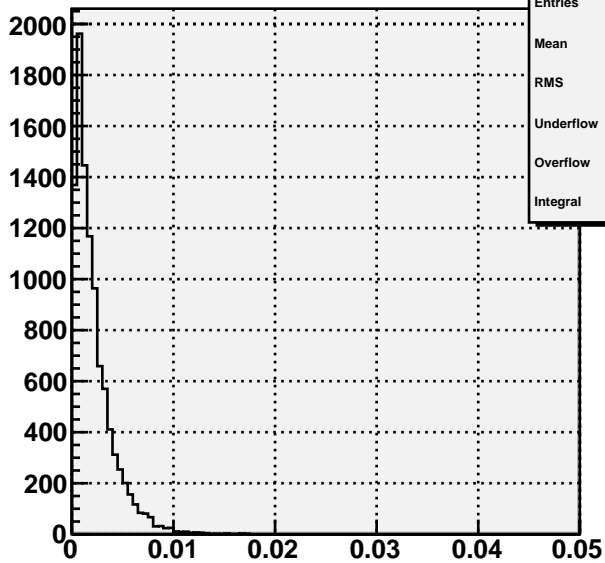
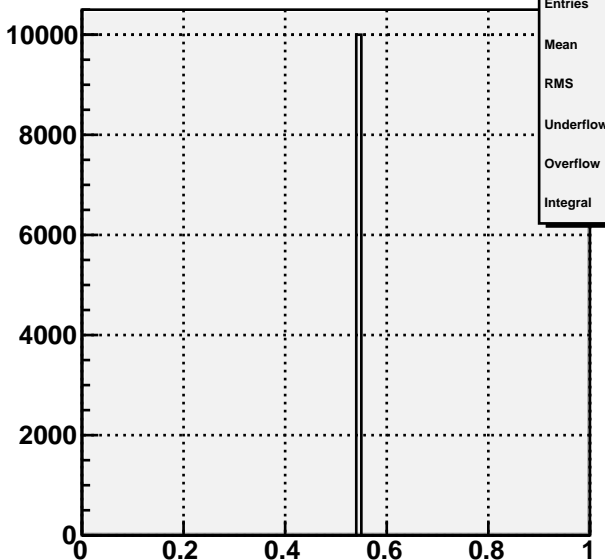


Eb=11.00 GeV**H1Eb**

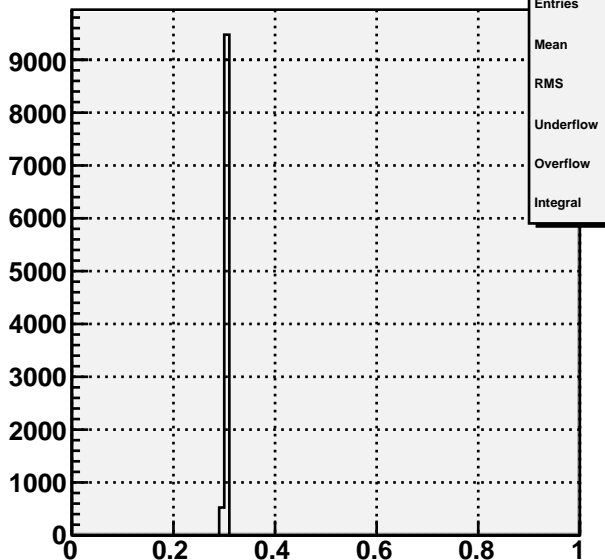
Entries	10000
Mean	11
RMS	8.849e-06
Underflow	0
Overflow	0
Integral	1e+04

-t (GeV²)**H1t**

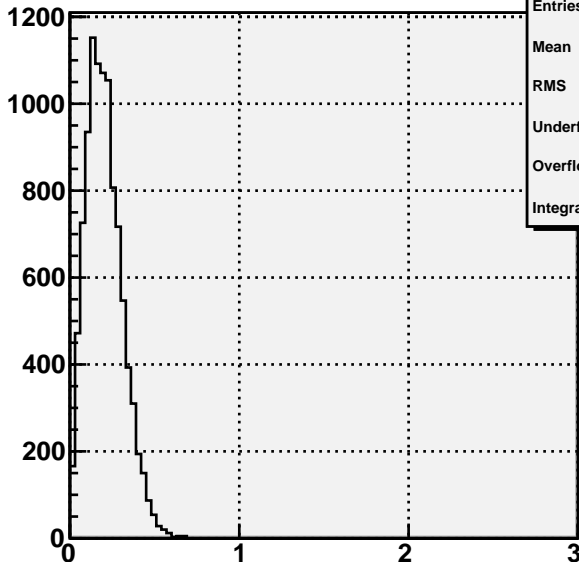
Entries	10000
Mean	0.00218
RMS	0.001977
Underflow	0
Overflow	0
Integral	1e+04

mg1g2 (GeV)**H1mg1g2**

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

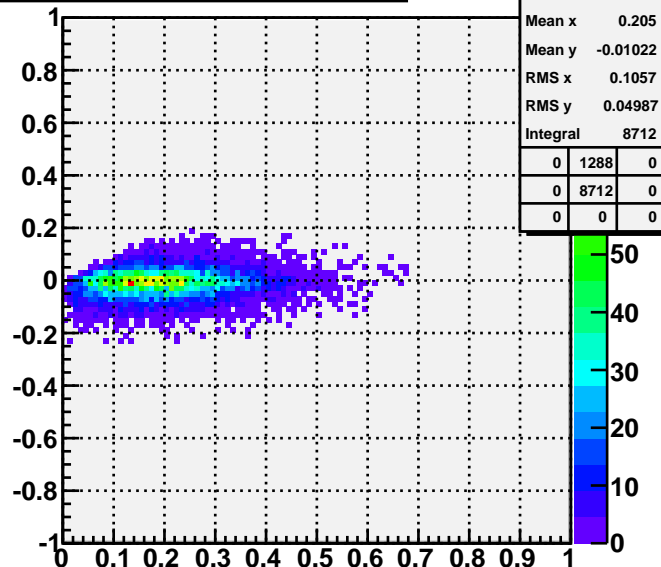
mg1g2² (GeV²)**H1mg1g22**

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

θ_η (degrees)

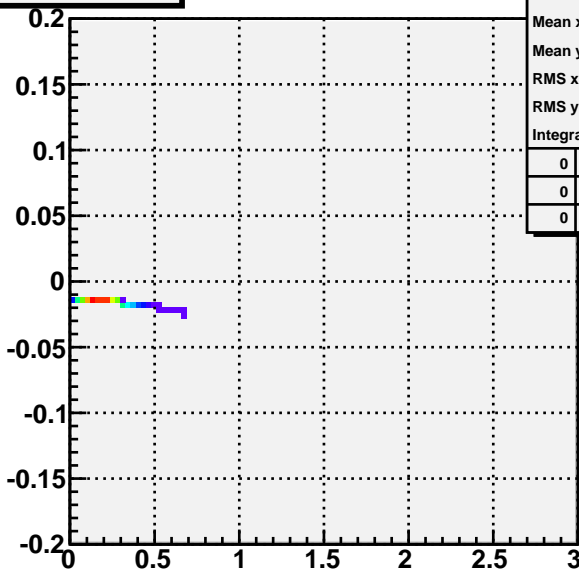
H1eta_the

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

GEN-REC θ_η vs θ_η (degrees)

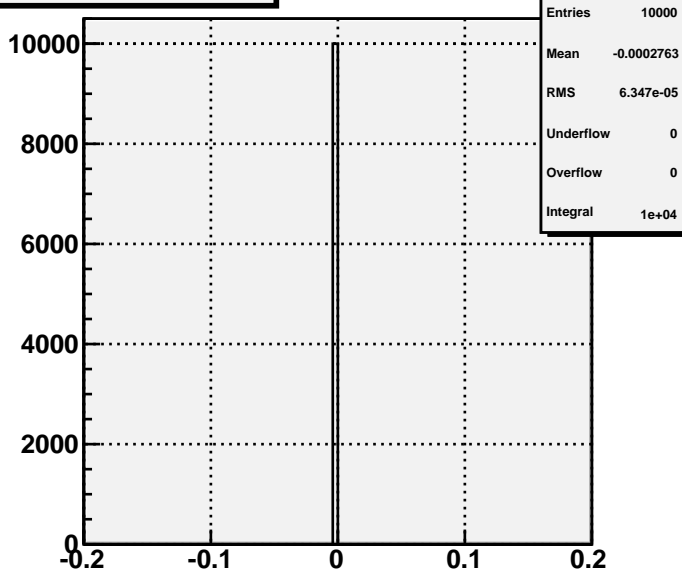
H2Data_thevsthe

Entries	10000	
Mean x	0.205	
Mean y	-0.01022	
RMS x	0.1057	
RMS y	0.04987	
Integral	8712	
0	1288	0
0	8712	0
0	0	0

 $p_{z_\eta} - E_b$ vs θ_η 

H1eta_inelast_the

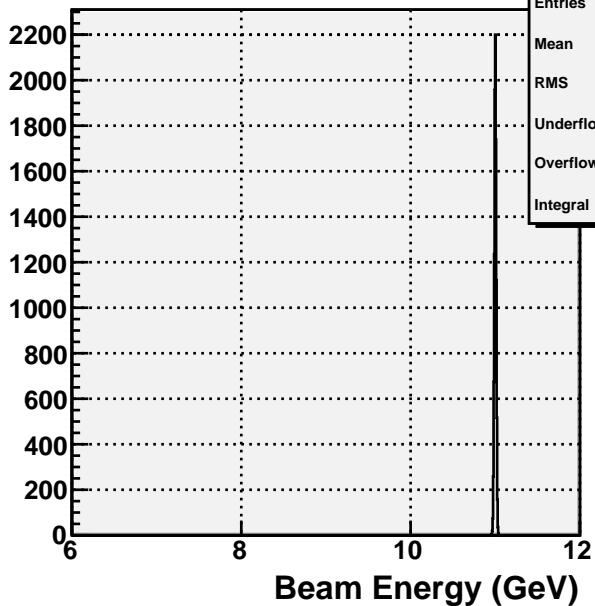
Entries	10000	
Mean x	0.2046	
Mean y	-0.01518	
RMS x	0.106	
RMS y	0.001144	
Integral	1e+04	
0	0	0
0	10000	0
0	0	0

Ratio(p1/eta1) - E_b 

H1eta_inelast1

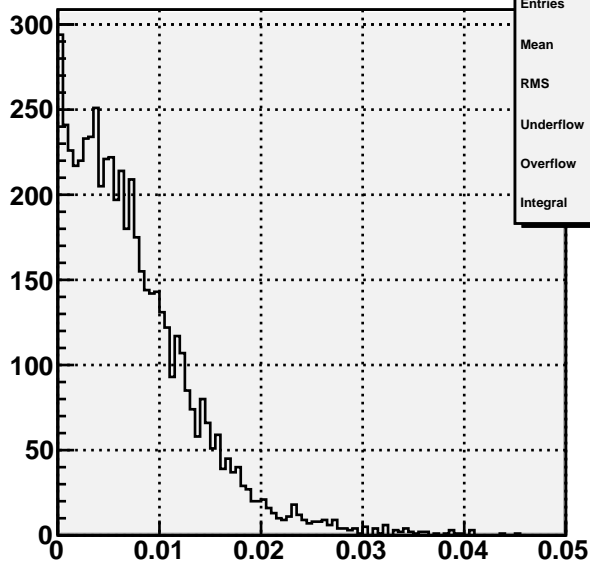
Entries	10000
Mean	-0.0002763
RMS	6.347e-05
Underflow	0
Overflow	0
Integral	1e+04

REC Eb=11.00 GeV



H1REb

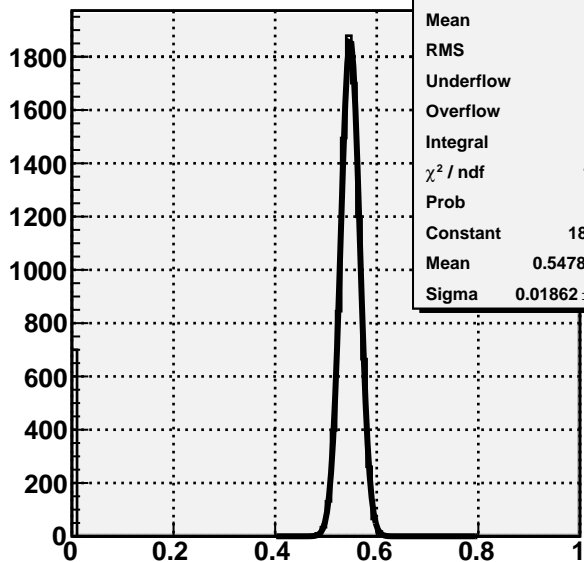
Entries	10000
Mean	11
RMS	0.01094
Underflow	0
Overflow	0
Integral	1e+04

REC -t (GeV²)

H1Rt

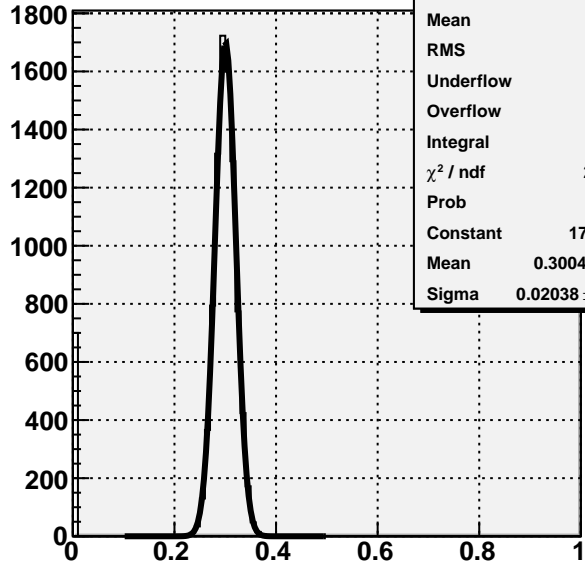
Entries	10000
Mean	0.007453
RMS	0.006073
Underflow	3323
Overflow	1028
Integral	5649

REC mg1g2 (GeV)



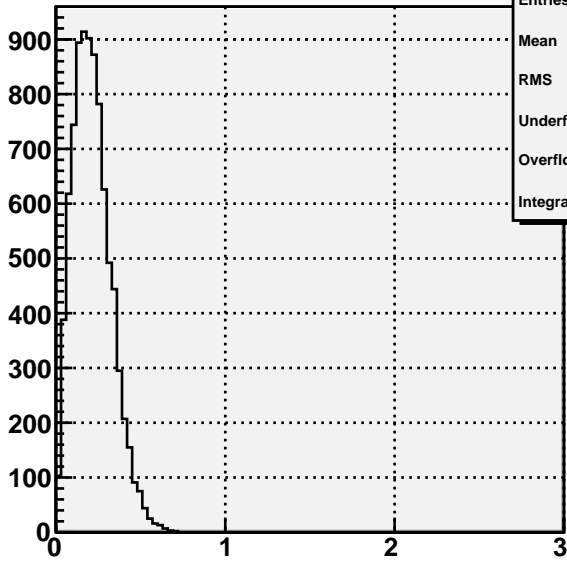
H1Rmg1g2

Entries	10000
Mean	0.5071
RMS	0.1447
Underflow	0
Overflow	588
Integral	9412
χ^2 / ndf	13.71 / 16
Prob	0.6201
Constant	1863 ± 24.7
Mean	0.5478 ± 0.0002
Sigma	0.01862 ± 0.00014

REC mg1g2² (GeV²)

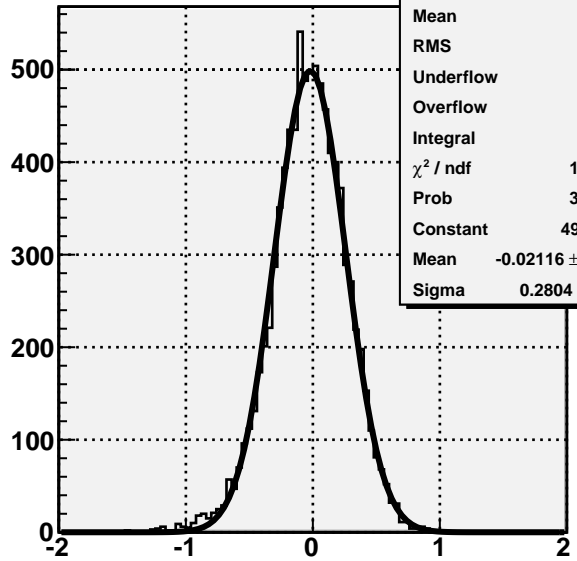
H1Rmg1g22

Entries	10000
Mean	0.2781
RMS	0.08122
Underflow	586
Overflow	2
Integral	9412
χ^2 / ndf	24.16 / 16
Prob	0.08608
Constant	1700 ± 22.6
Mean	0.3004 ± 0.0002
Sigma	0.02038 ± 0.00016

REC θ_η (degrees)

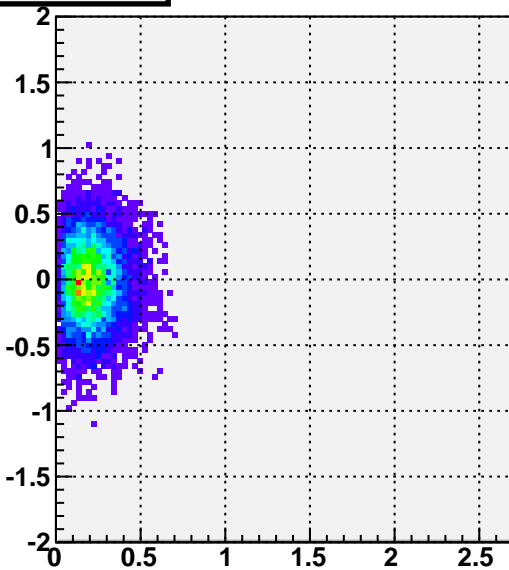
H1Reta_the	
Entries	10000
Mean	0.2152
RMS	0.1119
Underflow	1288
Overflow	0
Integral	8712

k1=0.026 k2=0.000 k3=0.020

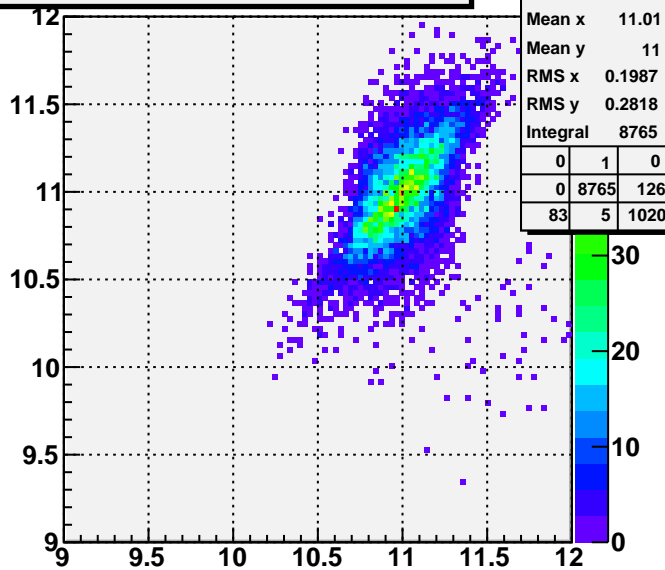
REC $p_{z_\eta} - E_b$ 

H1Reta_pinelast	
Entries	10000
Mean	-0.02908
RMS	0.2951
Underflow	1106
Overflow	2
Integral	8892
χ^2 / ndf	121.2 / 59
Prob	3.448e-06
Constant	499.2 \pm 6.7
Mean	-0.02116 \pm 0.00304
Sigma	0.2804 \pm 0.0023

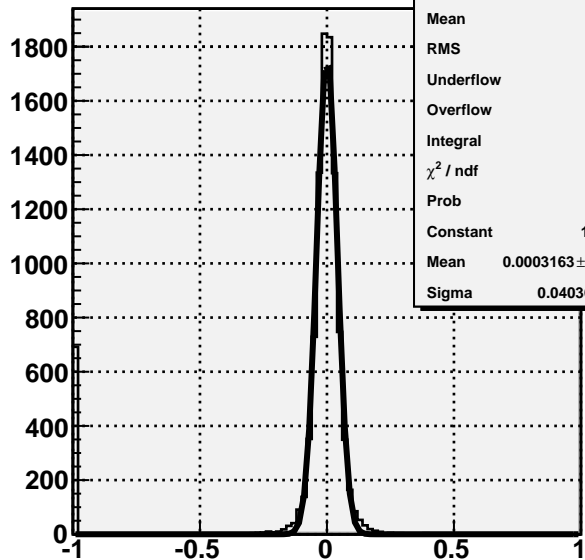
q1=0.320 q2=0.000 q3=0.000

 $p_{z_\eta} - E_b$ vs θ_η 

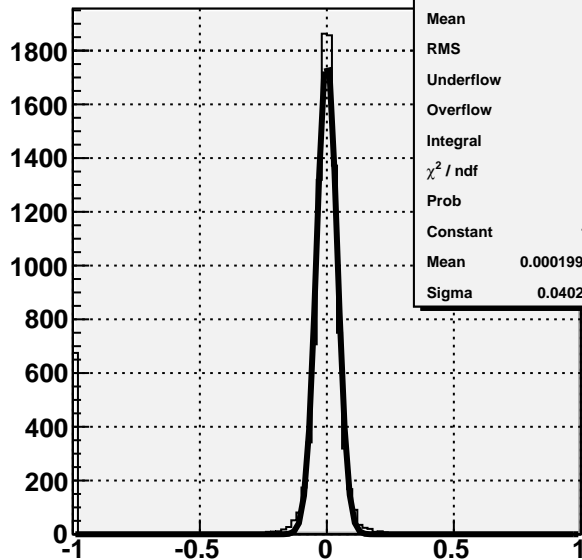
H1Reta_inelast_the		
Entries	10000	
Mean x	0.2152	
Mean y	-0.01325	
RMS x	0.1119	
RMS y	0.274	
Integral	8712	
	2	0
	180	8712
	1106	0

REC E_η (E1,E2) vs E_η (E1, θ) GeV

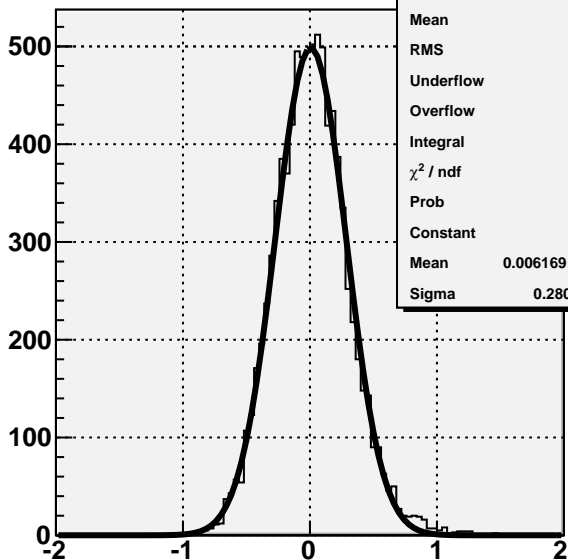
H2RetaEvsetaE2		
Entries	10000	
Mean x	11.01	
Mean y	11	
RMS x	0.1987	
RMS y	0.2818	
Integral	8765	
	0	1
	0	8765
	83	5
		1020

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

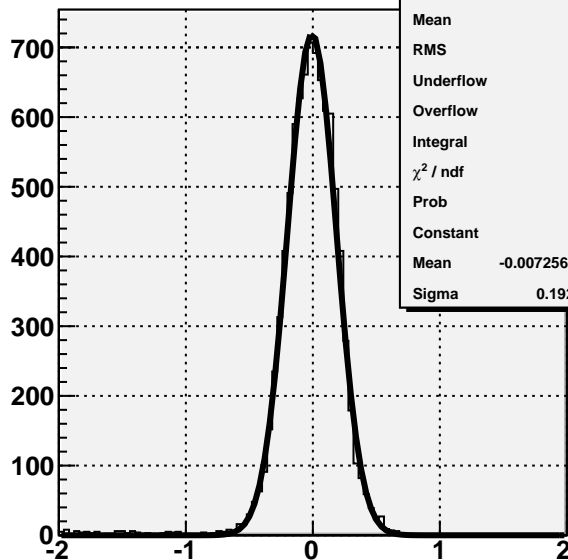
Entries	10000
Mean	-0.0689
RMS	0.2593
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	1045 / 45
Prob	0
Constant	1770 \pm 25.6
Mean	0.0003163 \pm 0.0004270
Sigma	0.04036 \pm 0.00040

k1=0.026 k2=0.000 k3=0.020**GEN-REC $\Delta E_{\gamma 2}/E$** **H1Dg2_the**

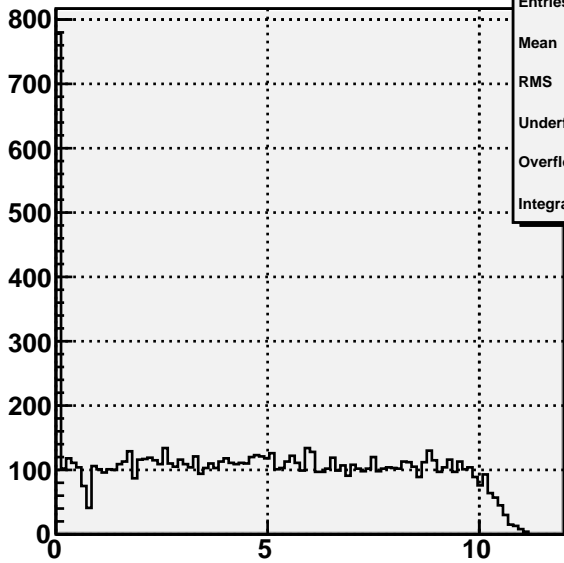
Entries	10000
Mean	-0.06745
RMS	0.2562
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	1037 / 45
Prob	0
Constant	1779 \pm 26.0
Mean	0.000199 \pm 0.000425
Sigma	0.04021 \pm 0.00041

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

Entries	10000
Mean	0.01412
RMS	0.2957
Underflow	0
Overflow	1108
Integral	8892
χ^2 / ndf	135 / 60
Prob	1.047e-07
Constant	498.7 \pm 6.7
Mean	0.006169 \pm 0.003038
Sigma	0.2803 \pm 0.0023

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

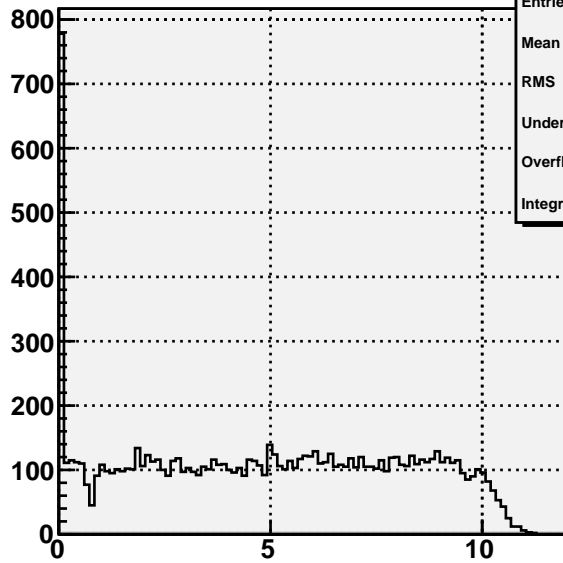
Entries	10000
Mean	-0.02285
RMS	0.2535
Underflow	1058
Overflow	83
Integral	8859
χ^2 / ndf	185.5 / 68
Prob	7.804e-13
Constant	719.8 \pm 9.7
Mean	-0.007256 \pm 0.002065
Sigma	0.1923 \pm 0.0016

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

k1=0.026 k2=0.000 k3=0.020

H1REg1

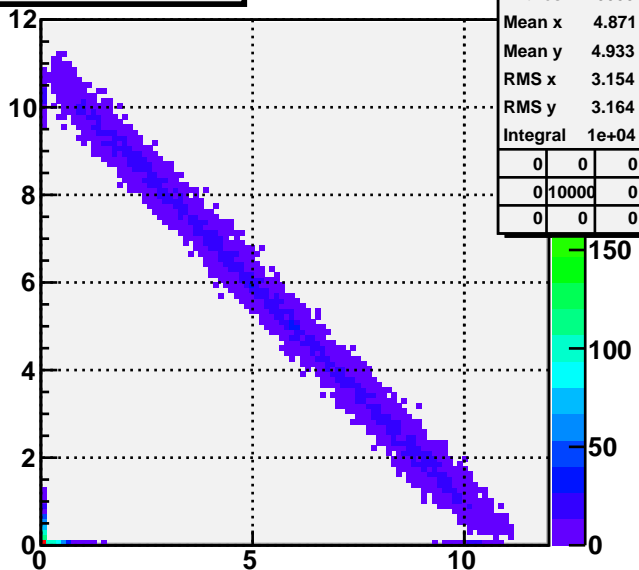
Entries	10000
Mean	4.871
RMS	3.154
Underflow	0
Overflow	0
Integral	1e+04

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

q1=0.320 q2=0.000 q3=0.000

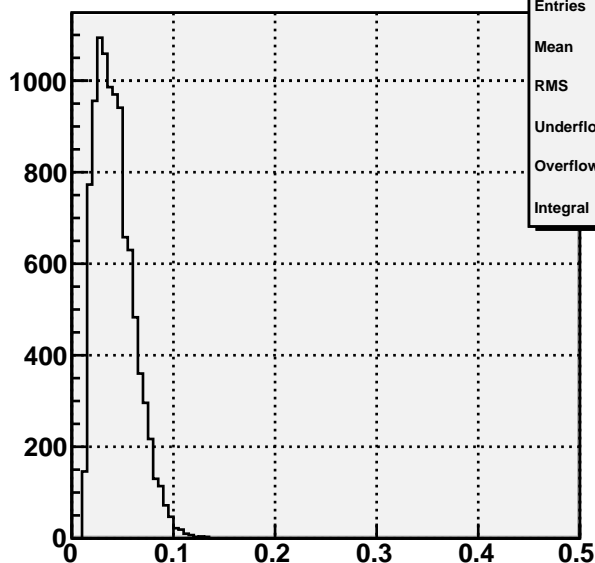
H1REg2

Entries	10000
Mean	4.933
RMS	3.164
Underflow	0
Overflow	0
Integral	1e+04

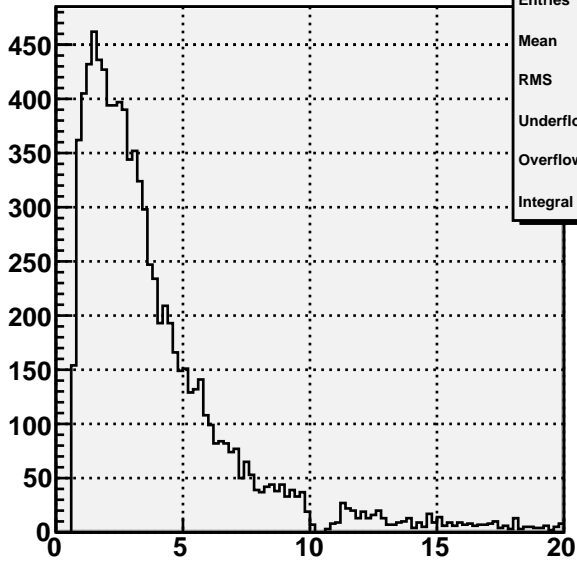
REC $E_{\gamma 2}$ vs $E_{\gamma 1}$ GeV**H2REg1vsEg2**

Entries	10000
Mean x	4.871
Mean y	4.933
RMS x	3.154
RMS y	3.164
Integral	1e+04

0	0	0
0	10000	0
0	0	0

REC P_p (GeV)**H1RPp**

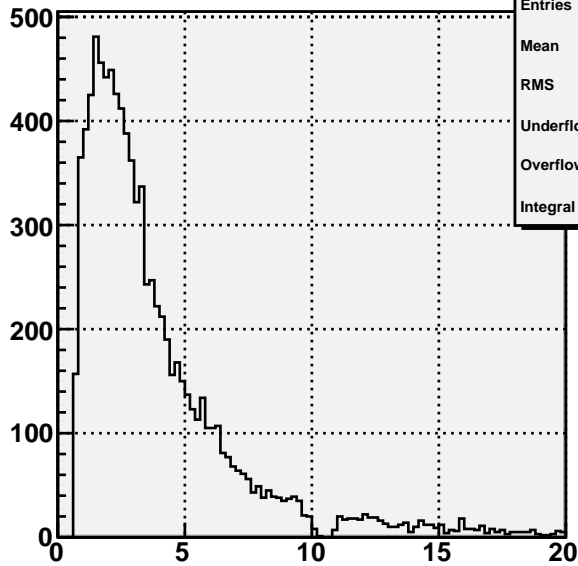
Entries	10000
Mean	0.04271
RMS	0.019
Underflow	0
Overflow	0
Integral	1e+04

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

$k1=0.026$ $k2=0.000$ $k3=0.020$

H1Rtheg1

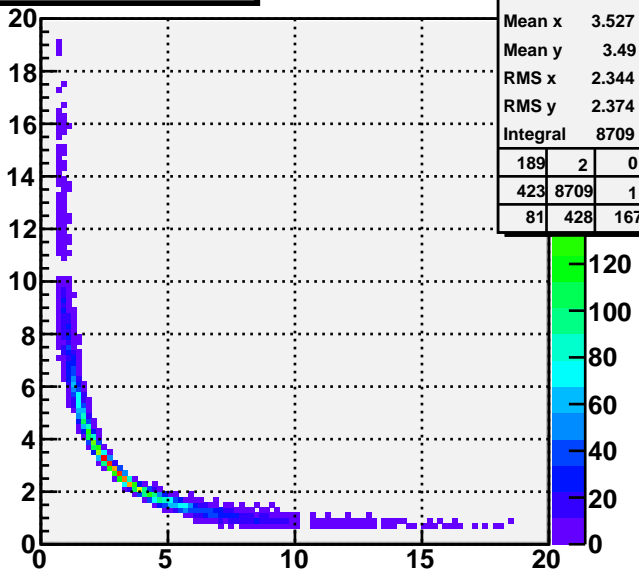
Entries	10000
Mean	3.9
RMS	3.147
Underflow	693
Overflow	168
Integral	9139

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

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

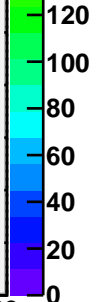
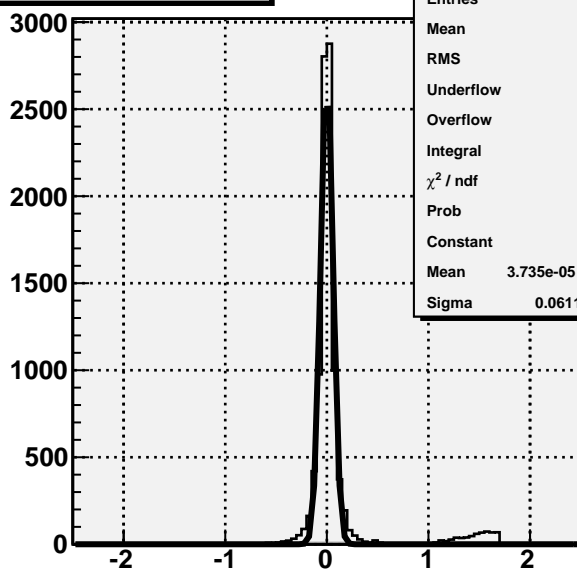
H1Rtheg2

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

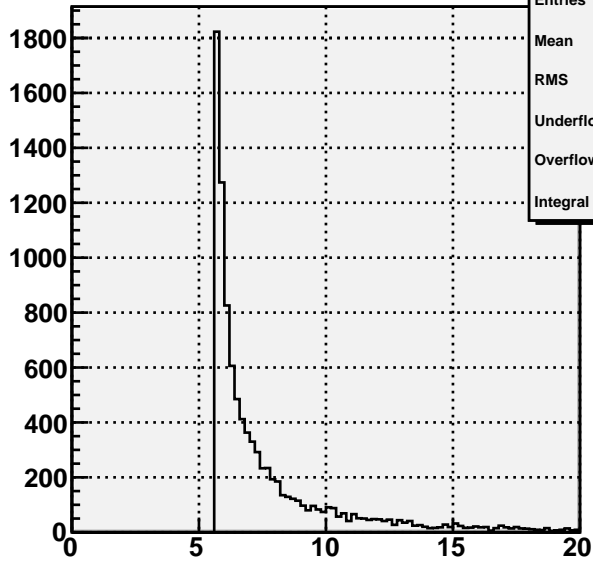
REC $\theta_{\gamma 2}$ vs $\theta_{\gamma 2}$ (deg)**H2Rtheg1vstheg2**

Entries	10000
Mean x	3.527
Mean y	3.49
RMS x	2.344
RMS y	2.374
Integral	8709

189	2	0
423	8709	1
81	428	167

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

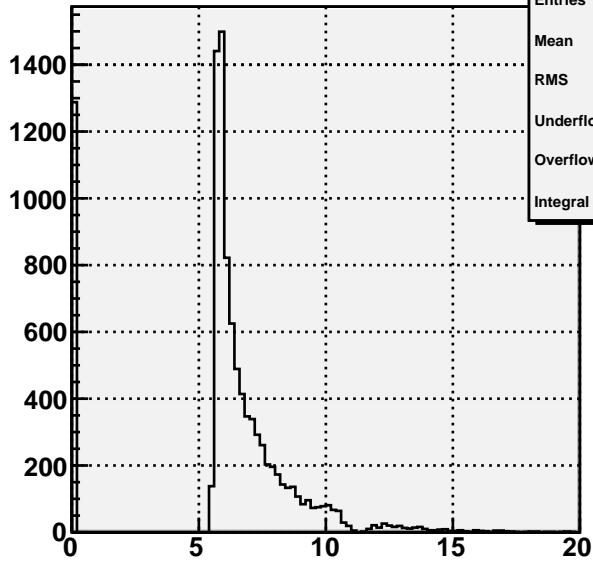
Entries	10000
Mean	0.08301
RMS	0.364
Underflow	0
Overflow	127
Integral	9873
χ^2 / ndf	1534 / 60
Prob	0
Constant	2720 ± 48.2
Mean	$3.735e-05 \pm 6.706e-04$
Sigma	0.06115 ± 0.00085

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

$k_1=0.026$ $k_2=0.000$ $k_3=0.020$

H1theg2g1

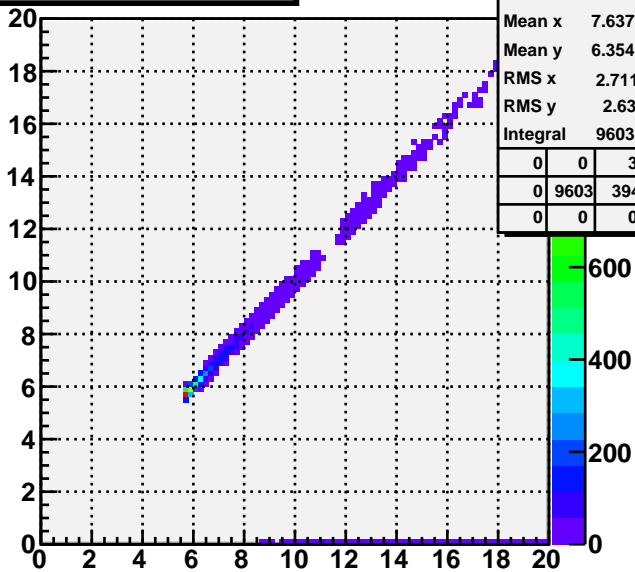
Entries	10000
Mean	7.637
RMS	2.711
Underflow	0
Overflow	397
Integral	9603

REC $\theta_{\gamma\gamma_2}$ (deg)

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

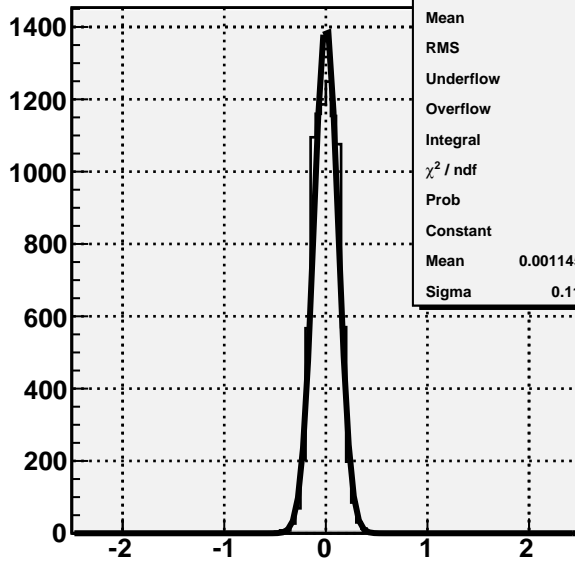
H1Rtheg2g1

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

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

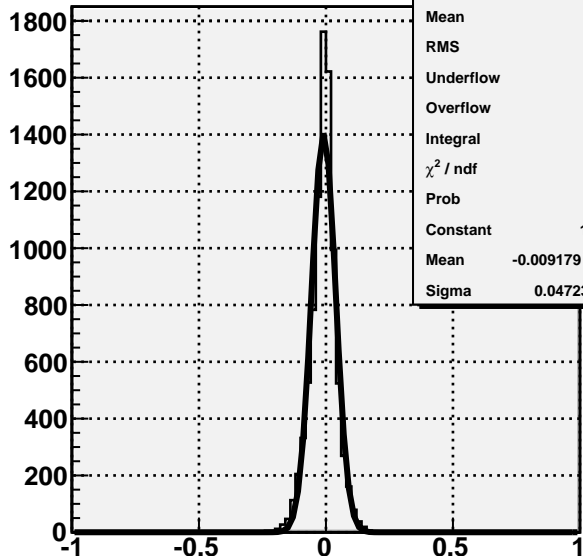
0	0	3
0	9603	394
0	0	0

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

Entries	10000
Mean	0.0006326
RMS	0.1208
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	252.3 / 20
Prob	3.84e-42
Constant	1412 ± 18.2
Mean	0.001145 ± 0.001300
Sigma	0.1195 ± 0.0008

GEN-REC θ_η (degrees)**H1Data_the**

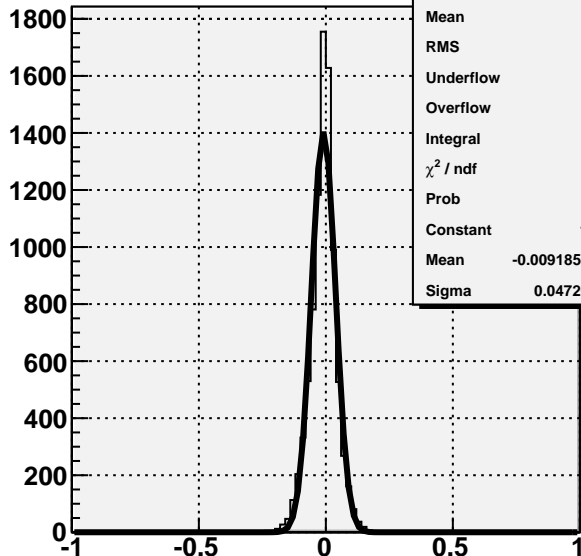
Entries	10000
Mean	-0.01022
RMS	0.04987
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	391 / 19
Prob	0
Constant	1406 \pm 22.5
Mean	-0.009179 \pm 0.000535
Sigma	0.04723 \pm 0.00055



k1=0.026 k2=0.000 k3=0.020

GEN-REC θ_η EQ11 (degrees)**H1Data_the2**

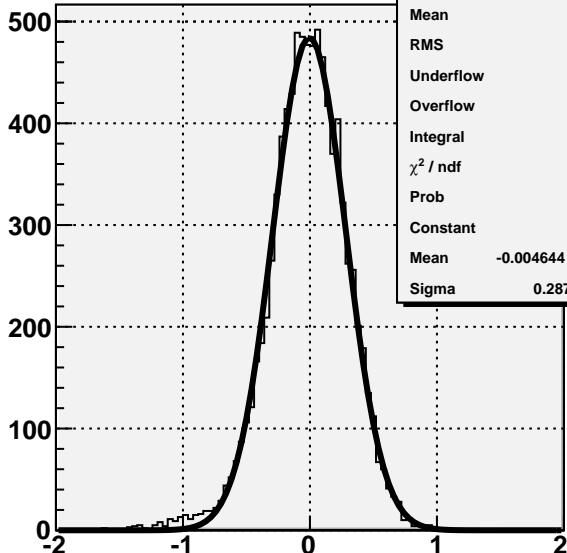
Entries	10000
Mean	-0.01021
RMS	0.04987
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	389.2 / 19
Prob	0
Constant	1405 \pm 22.4
Mean	-0.009185 \pm 0.000535
Sigma	0.04726 \pm 0.00055



q1=0.320 q2=0.000 q3=0.000

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

Entries	9921
Mean	-0.01719
RMS	0.3116
Underflow	1027
Overflow	2
Integral	8892
χ^2 / ndf	155.1 / 64
Prob	1.582e-09
Constant	484.6 \pm 6.6
Mean	-0.004644 \pm 0.003118
Sigma	0.2878 \pm 0.0024

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

Entries	9921
Mean	0.00497
RMS	0.194
Underflow	1209
Overflow	0
Integral	8712
χ^2 / ndf	63.73 / 37
Prob	0.004085
Constant	720.4 \pm 9.6
Mean	0.006216 \pm 0.002061
Sigma	0.1916 \pm 0.0015

