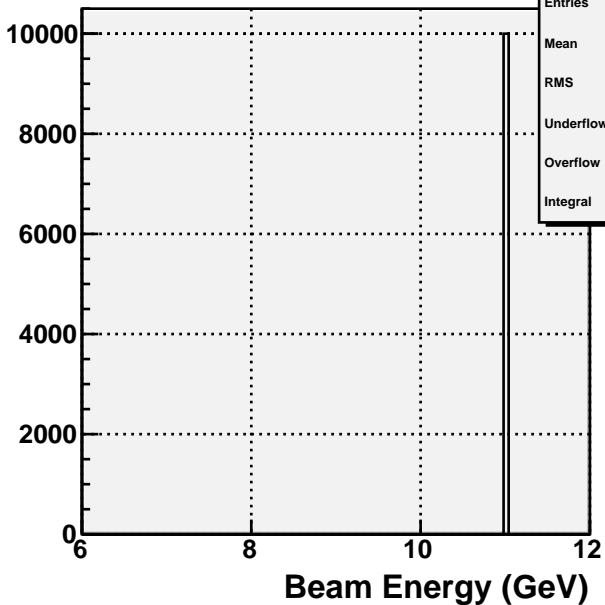
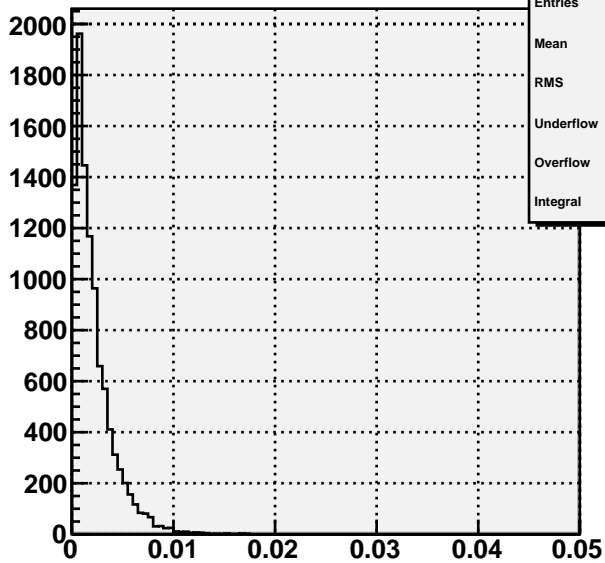
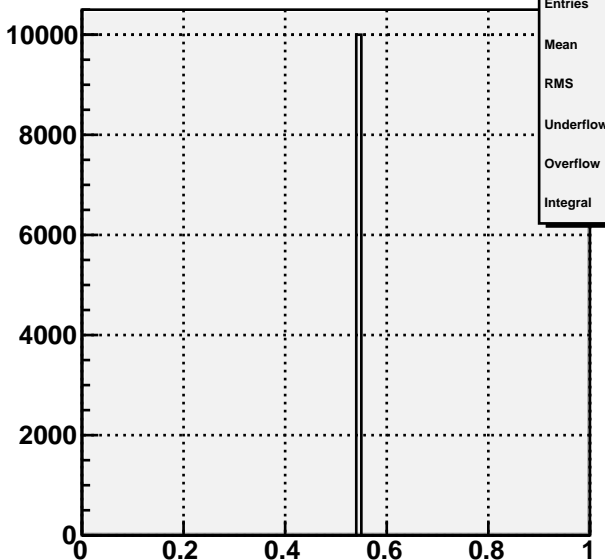


Eb=11.00 GeV**H1Eb**

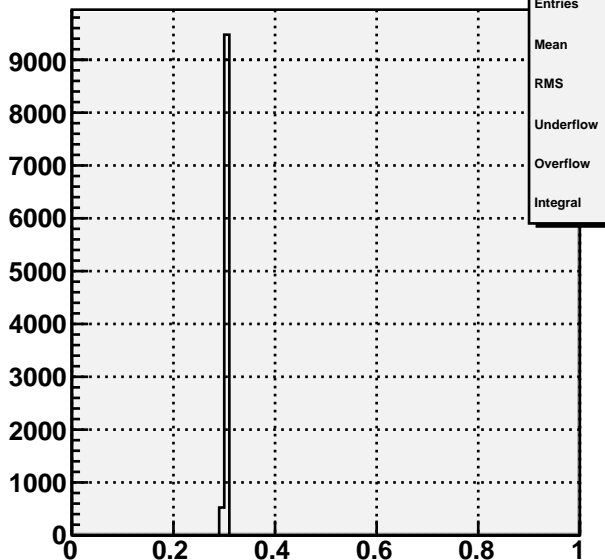
Entries	10000
Mean	11
RMS	8.849e-06
Underflow	0
Overflow	0
Integral	1e+04

-t (GeV²)**H1t**

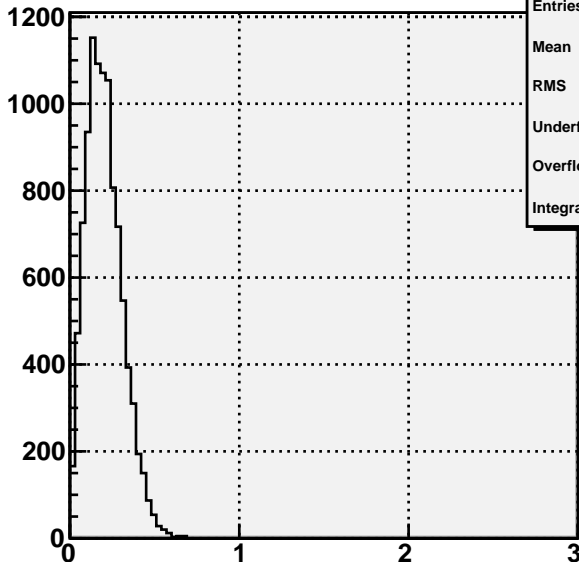
Entries	10000
Mean	0.00218
RMS	0.001977
Underflow	0
Overflow	0
Integral	1e+04

mg1g2 (GeV)**H1mg1g2**

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

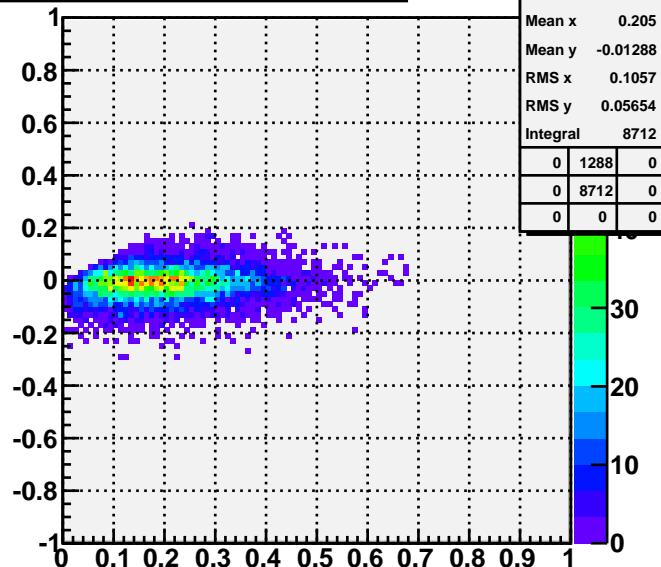
mg1g2² (GeV²)**H1mg1g22**

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

θ_η (degrees)

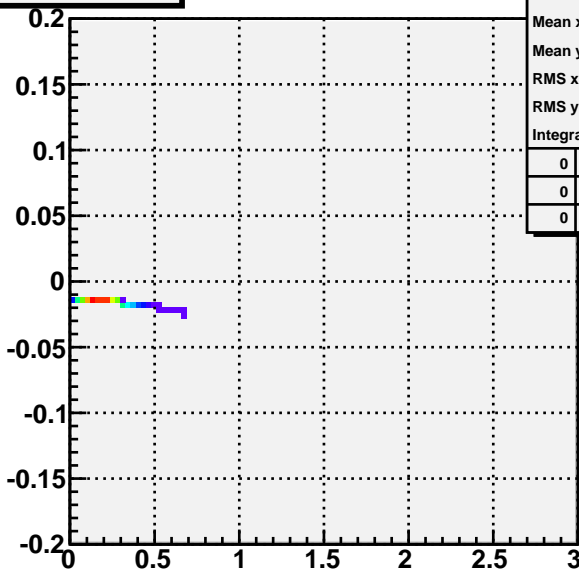
H1eta_the

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

GEN-REC θ_η vs θ_η (degrees)

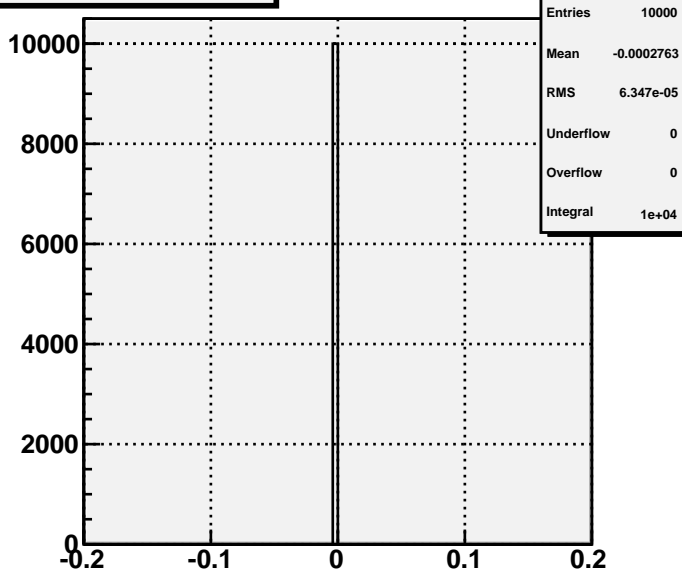
H2Deta_thevsthe

Entries	10000	
Mean x	0.205	
Mean y	-0.01288	
RMS x	0.1057	
RMS y	0.05654	
Integral	8712	
0	1288	0
0	8712	0
0	0	0

 $p_{z_\eta} - E_b$ vs θ_η 

H1eta_inelast_the

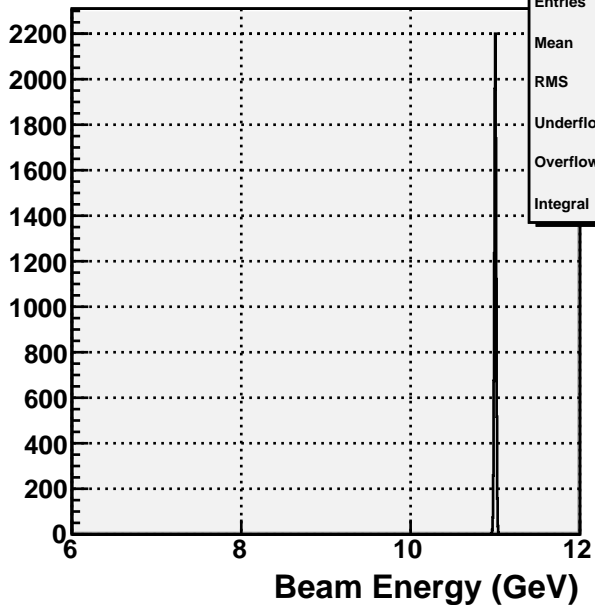
Entries	10000	
Mean x	0.2046	
Mean y	-0.01518	
RMS x	0.106	
RMS y	0.001144	
Integral	1e+04	
0	0	0
0	10000	0
0	0	0

Ratio(p1/eta1) - E_b 

H1eta_inelast1

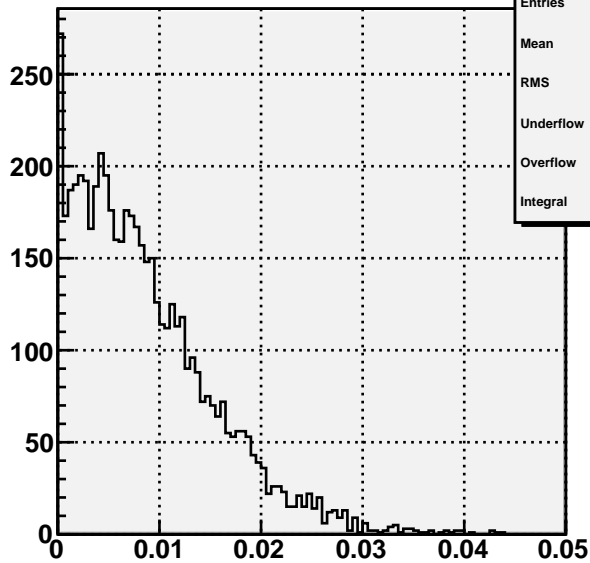
Entries	10000
Mean	-0.0002763
RMS	6.347e-05
Underflow	0
Overflow	0
Integral	1e+04

REC Eb=11.00 GeV



H1REb

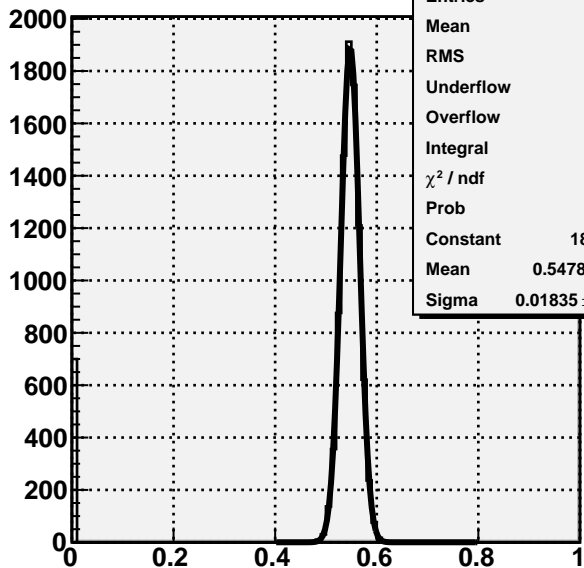
Entries	10000
Mean	11
RMS	0.01094
Underflow	0
Overflow	0
Integral	1e+04

REC -t (GeV²)

H1Rt

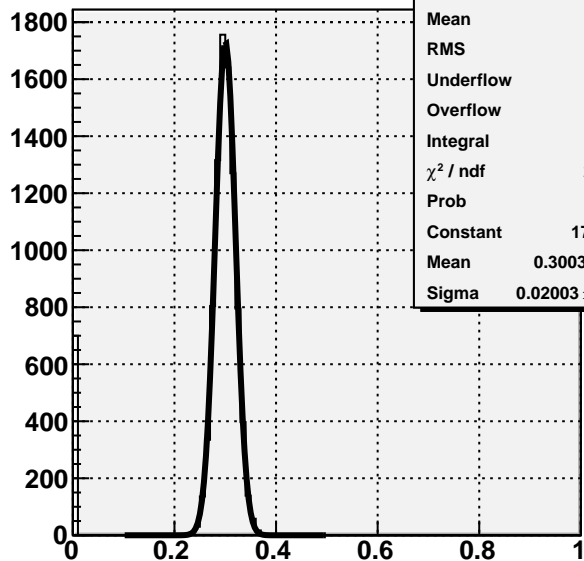
Entries	10000
Mean	0.00871
RMS	0.006787
Underflow	3482
Overflow	1028
Integral	5490

REC mg1g2 (GeV)



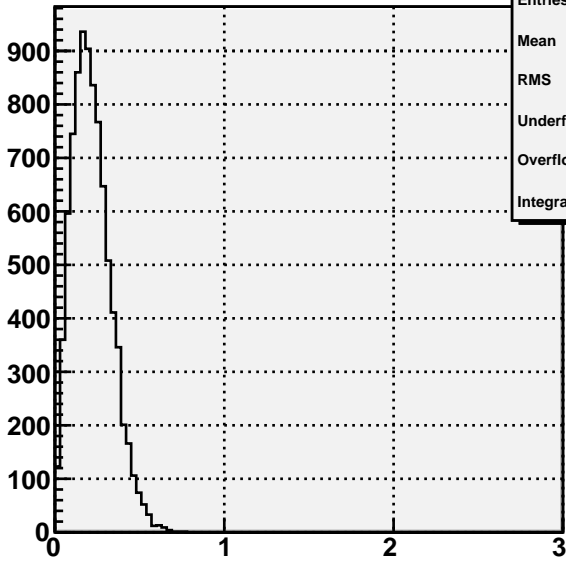
H1Rmg1g2

Entries	10000
Mean	0.507
RMS	0.1447
Underflow	0
Overflow	588
Integral	9412
χ^2 / ndf	12 / 15
Prob	0.6792
Constant	1891 ± 25.2
Mean	0.5478 ± 0.0002
Sigma	0.01835 ± 0.00015

REC mg1g2² (GeV²)

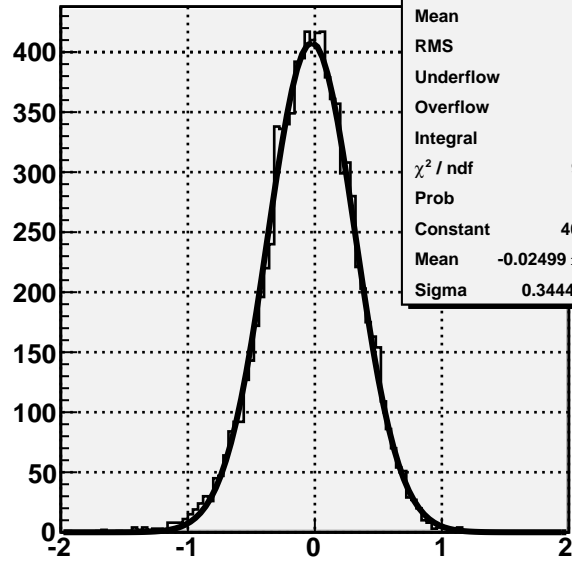
H1Rmg1g22

Entries	10000
Mean	0.278
RMS	0.08112
Underflow	587
Overflow	1
Integral	9412
χ^2 / ndf	26.16 / 16
Prob	0.05188
Constant	1730 ± 23.1
Mean	0.3003 ± 0.0002
Sigma	0.02003 ± 0.00016

REC θ_η (degrees)


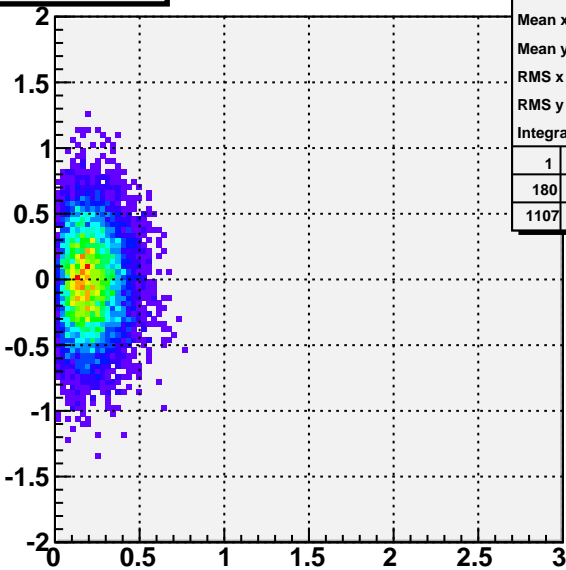
H1Reta_the	
Entries	10000
Mean	0.2179
RMS	0.1135
Underflow	1288
Overflow	0
Integral	8712

$k1=0.050$ $k2=0.000$ $k3=0.020$

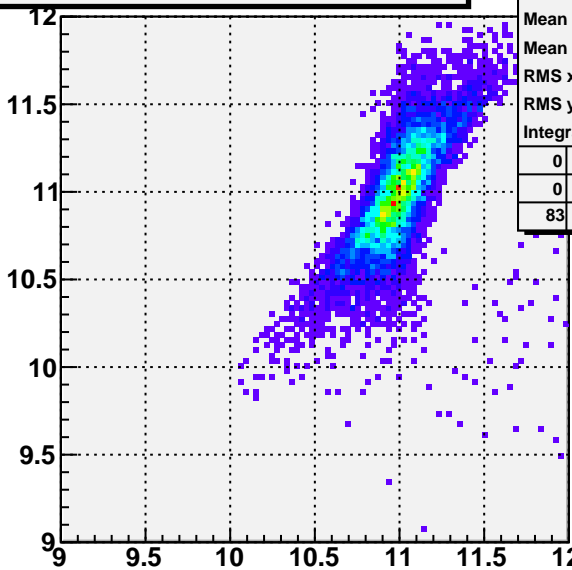
REC $pz_\eta - E_b$


H1Reta_pinelist	
Entries	10000
Mean	-0.02925
RMS	0.3547
Underflow	1107
Overflow	1
Integral	8892
χ^2 / ndf	91.79 / 67
Prob	0.02391
Constant	407.9 ± 5.4
Mean	-0.02499 ± 0.00372
Sigma	0.3444 ± 0.0028

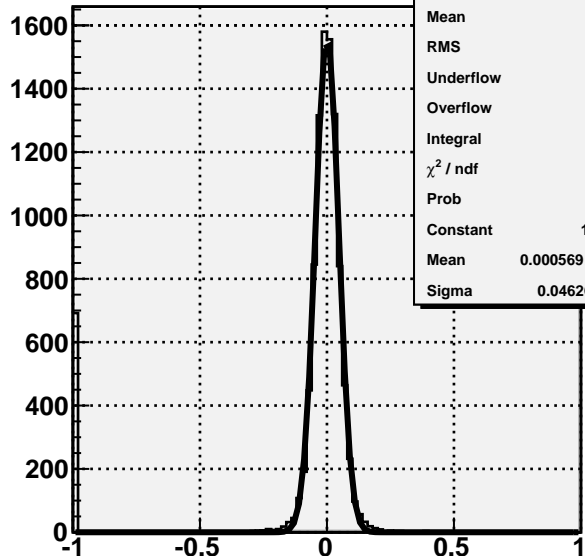
$q1=0.640$ $q2=0.000$ $q3=0.000$

 $pz_\eta - E_b$ vs θ_η


H1Reta_inelist_the		
Entries	10000	
Mean x	0.2179	
Mean y	-0.01322	
RMS x	0.1135	
RMS y	0.3369	
Integral	8712	
	1	0
	180	8712
	1107	0

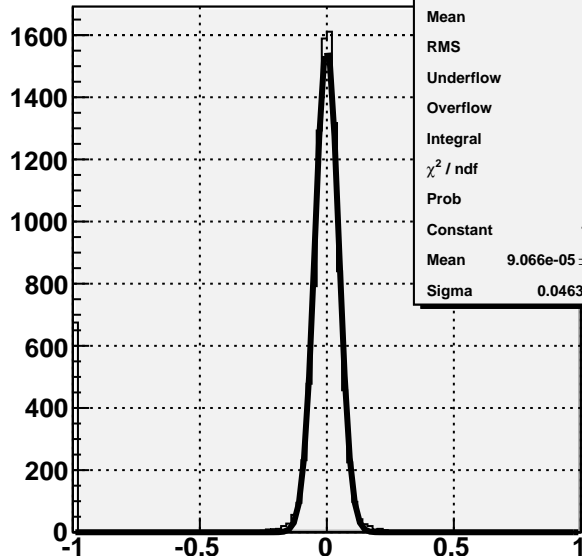
REC E_η ($E1, E2$) vs E_η ($E1, \theta$) GeV


H2RetaEvsetaE2		
Entries	10000	
Mean x	11.01	
Mean y	10.99	
RMS x	0.2114	
RMS y	0.3413	
Integral	8750	
	0	17
	0	8750
	83	6
		1019

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

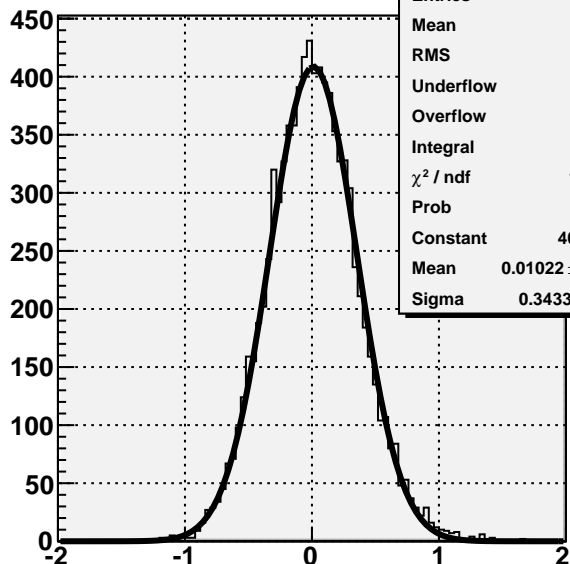
H1Dg1_the	
Entries	10000
Mean	-0.0689
RMS	0.2599
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	909.2 / 45
Prob	0
Constant	1568 ± 21.6
Mean	0.000569 ± 0.000485
Sigma	0.04626 ± 0.00041

k1=0.050 k2=0.000 k3=0.020

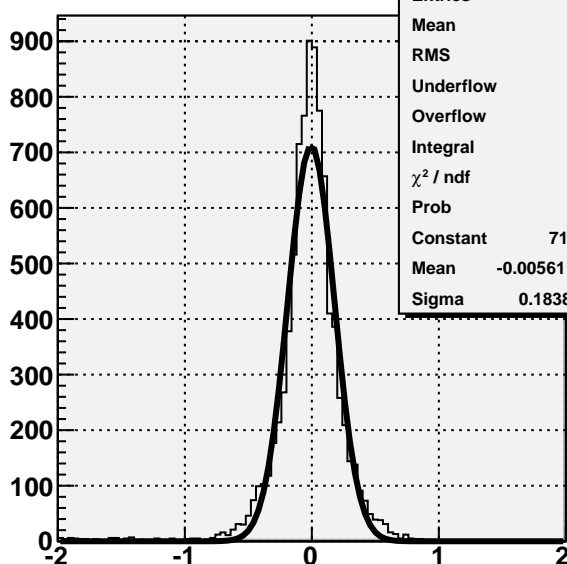
GEN-REC $\Delta E_{\gamma 2}/E$ 

H1Dg2_the	
Entries	10000
Mean	-0.06746
RMS	0.2568
Underflow	0
Overflow	0
Integral	1e+04
χ^2 / ndf	877.3 / 45
Prob	0
Constant	1569 ± 21.5
Mean	9.066e-05 ± 4.859e-04
Sigma	0.04638 ± 0.00041

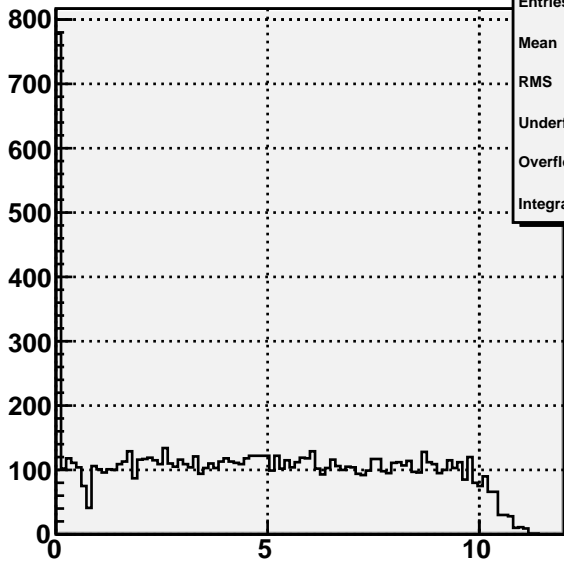
q1=0.640 q2=0.000 q3=0.000

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

H1Deta_E	
Entries	10000
Mean	0.01429
RMS	0.3553
Underflow	0
Overflow	1108
Integral	8892
χ^2 / ndf	102.4 / 67
Prob	0.003488
Constant	408.7 ± 5.4
Mean	0.01022 ± 0.00372
Sigma	0.3433 ± 0.0027

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

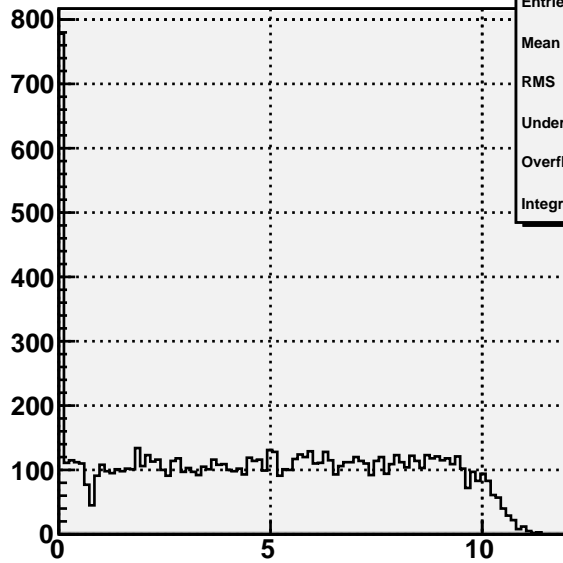
H1Deta_E2	
Entries	10000
Mean	-0.02222
RMS	0.2635
Underflow	1059
Overflow	83
Integral	8858
χ^2 / ndf	652 / 71
Prob	0
Constant	712.3 ± 12.2
Mean	-0.00561 ± 0.00203
Sigma	0.1838 ± 0.0024

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

k1=0.050 k2=0.000 k3=0.020

H1REg1

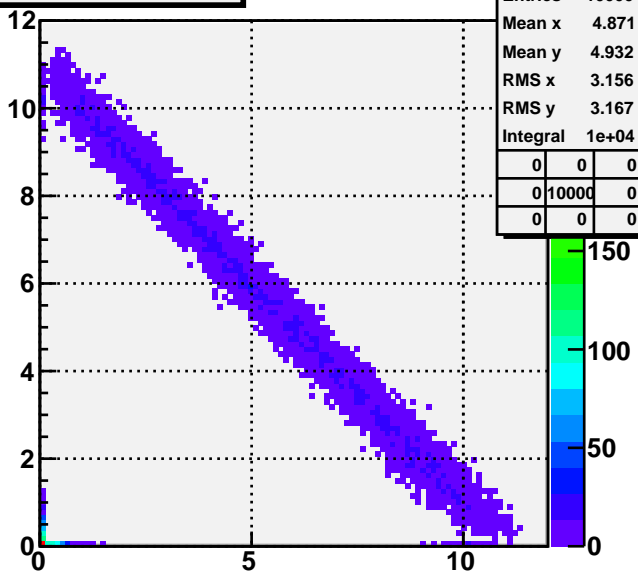
Entries	10000
Mean	4.871
RMS	3.156
Underflow	0
Overflow	0
Integral	1e+04

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

q1=0.640 q2=0.000 q3=0.000

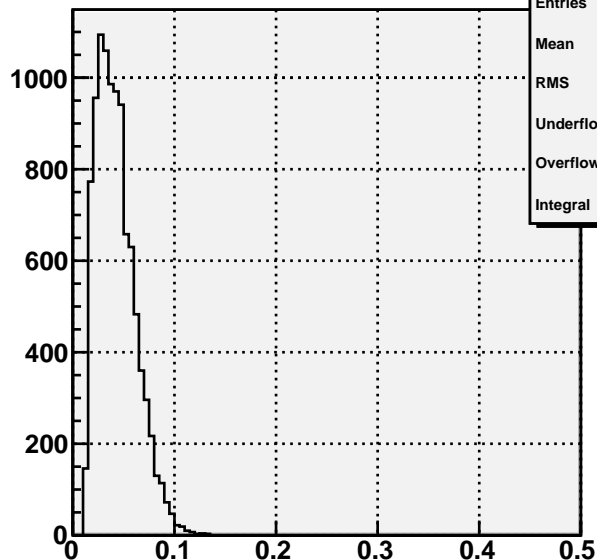
H1REg2

Entries	10000
Mean	4.932
RMS	3.167
Underflow	0
Overflow	0
Integral	1e+04

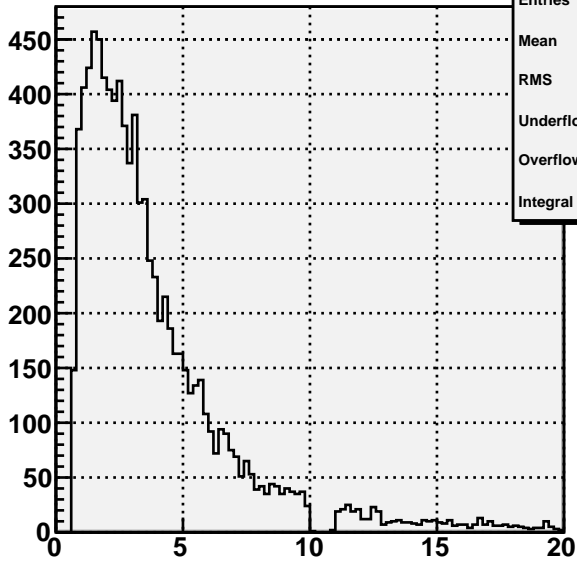
REC $E_{\gamma 2}$ vs $E_{\gamma 1}$ GeV**H2REg1vsEg2**

Entries	10000
Mean x	4.871
Mean y	4.932
RMS x	3.156
RMS y	3.167
Integral	1e+04

0	0	0
0	10000	0
0	0	0

REC P_p (GeV)**H1RPp**

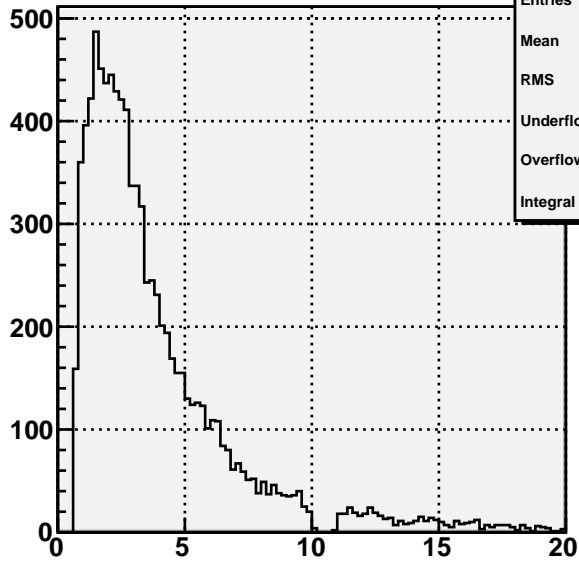
Entries	10000
Mean	0.04271
RMS	0.019
Underflow	0
Overflow	0
Integral	1e+04

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

$k1=0.050$ $k2=0.000$ $k3=0.020$

H1Rtheg1

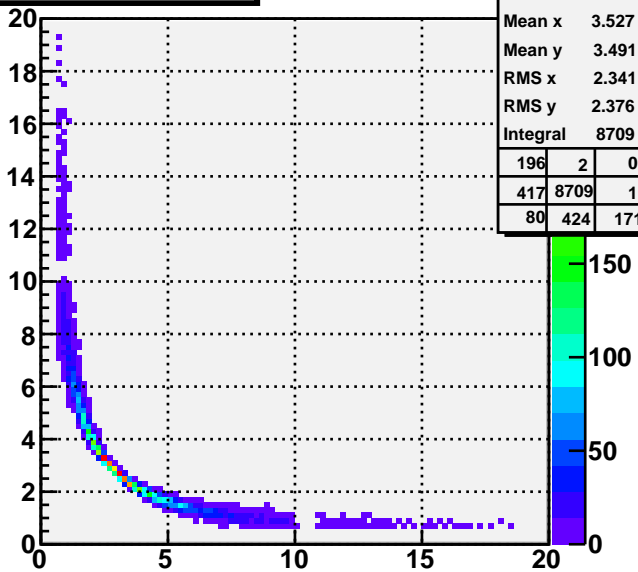
Entries	10000
Mean	3.893
RMS	3.128
Underflow	693
Overflow	172
Integral	9135

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

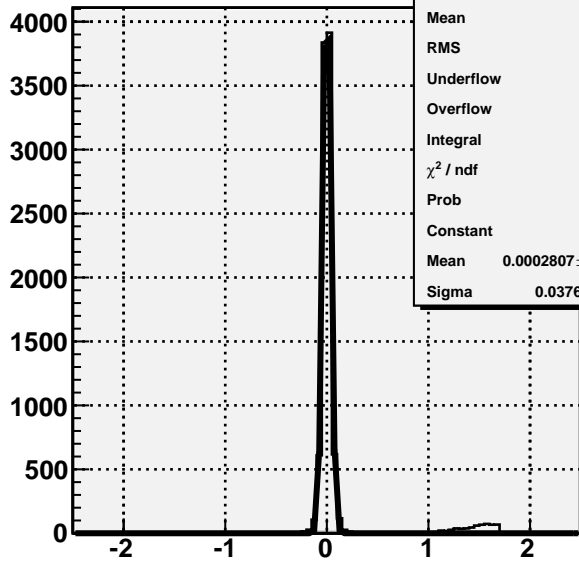
$q1=0.640$ $q2=0.000$ $q3=0.000$

H1Rtheg2

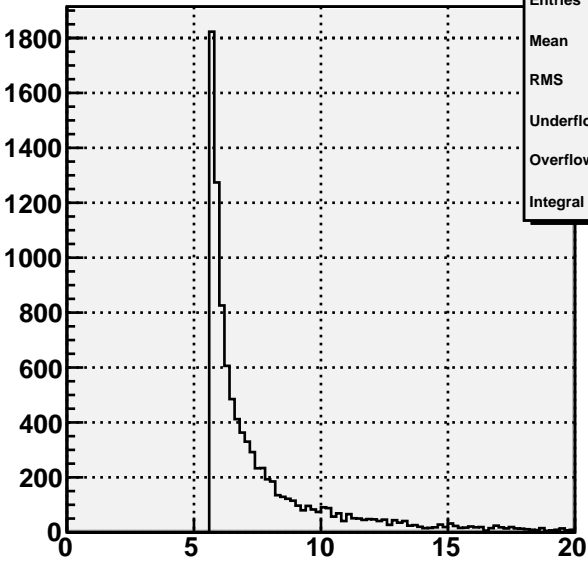
Entries	10000
Mean	3.854
RMS	3.119
Underflow	675
Overflow	198
Integral	9127

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

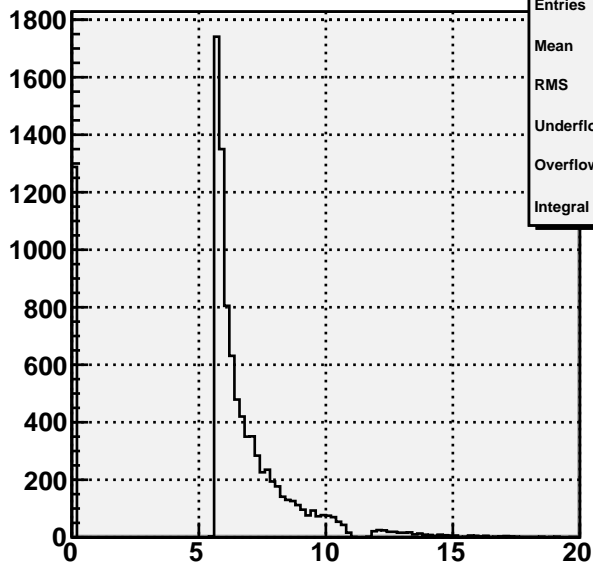
GEN-REC $\theta_{\gamma 1}$ (deg)**H1Dtheg1**

Entries	10000
Mean	0.08451
RMS	0.3449
Underflow	0
Overflow	125
Integral	9875
χ^2 / ndf	833.4 / 30
Prob	0
Constant	4791 \pm 66.1
Mean	0.0002807 \pm 0.0003965
Sigma	0.03765 \pm 0.00033

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

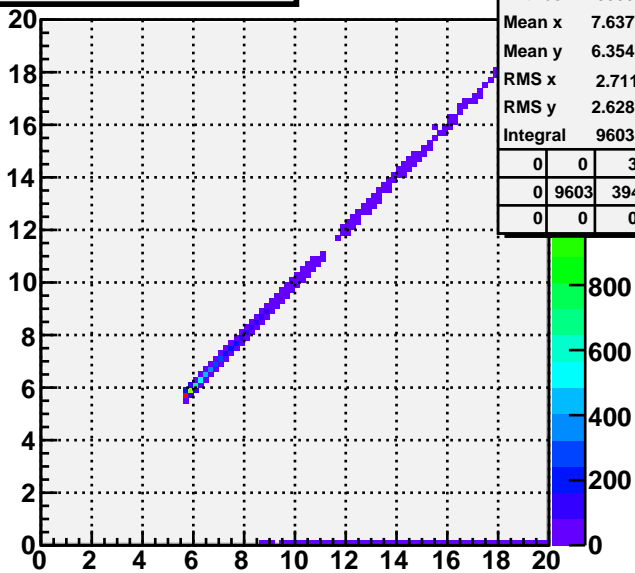
k1=0.050 k2=0.000 k3=0.020

H1theg2g1	
Entries	10000
Mean	7.637
RMS	2.711
Underflow	0
Overflow	397
Integral	9603

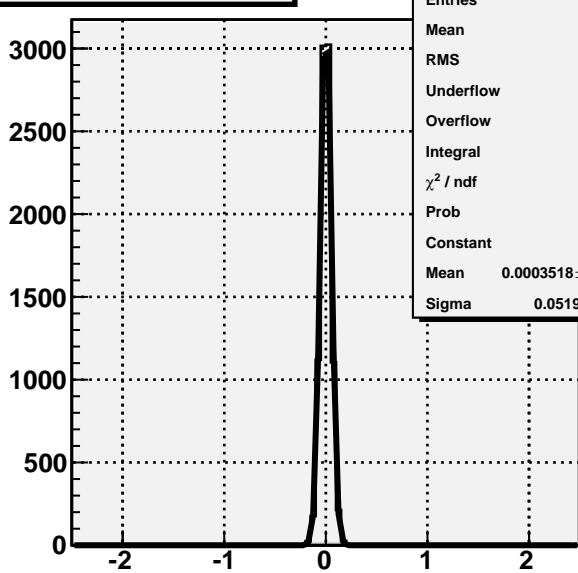
REC $\theta_{\gamma\gamma 2}$ (deg)

q1=0.640 q2=0.000 q3=0.000

H1Rtheg2g1	
Entries	10000
Mean	6.103
RMS	2.857
Underflow	0
Overflow	3
Integral	9997

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

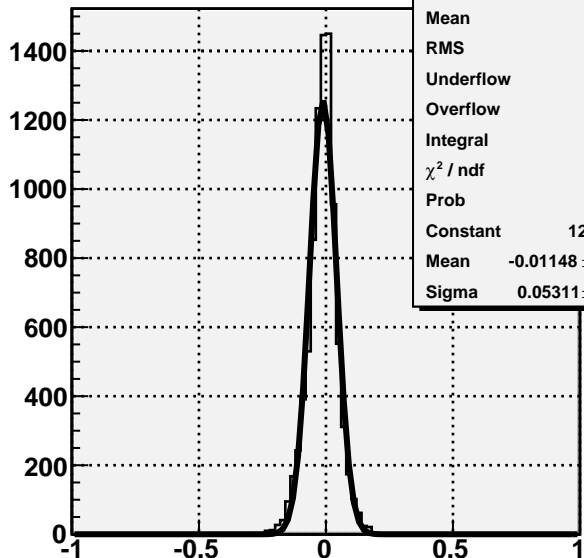
H2Rtheg1g2_theg1g2		
Entries	10000	
Mean x	7.637	
Mean y	6.354	
RMS x	2.711	
RMS y	2.628	
Integral	9603	
	0	3
	0	394
	0	0

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

H1Dtheg2g1	
Entries	10000
Mean	0.0003866
RMS	0.05101
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	33.99 / 8
Prob	4.074e-05
Constant	3331 ± 45.7
Mean	0.0003518 ± 0.0005586
Sigma	0.05197 ± 0.00044

GEN-REC θ_η (degrees)

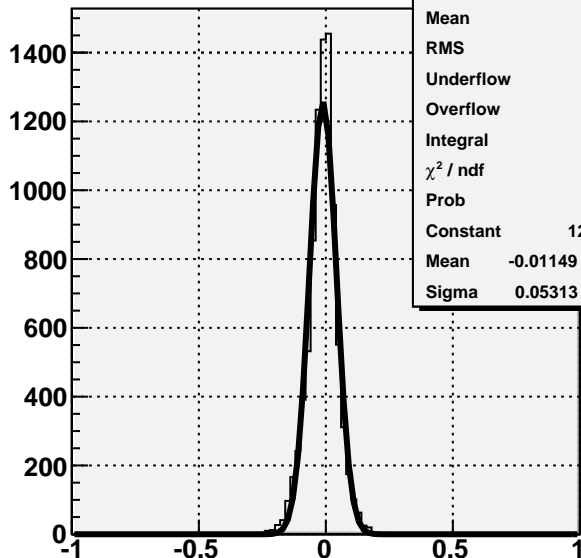
H1Data_the	
Entries	10000
Mean	-0.01288
RMS	0.05654
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	338 / 23
Prob	0
Constant	1258 ± 19.8
Mean	-0.01148 ± 0.00060
Sigma	0.05311 ± 0.00060



$k_1=0.050$ $k_2=0.000$ $k_3=0.020$

GEN-REC θ_η EQ11 (degrees)

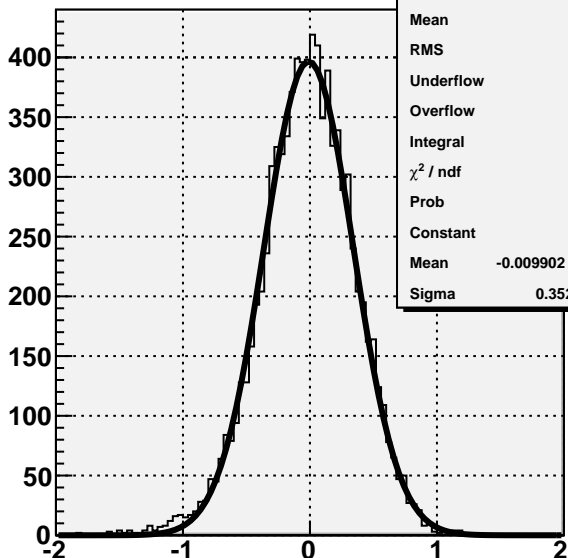
H1Data_the2	
Entries	10000
Mean	-0.01288
RMS	0.05654
Underflow	0
Overflow	1288
Integral	8712
χ^2 / ndf	336.9 / 23
Prob	0
Constant	1258 ± 19.8
Mean	-0.01149 ± 0.00060
Sigma	0.05313 ± 0.00060



$q_1=0.640$ $q_2=0.000$ $q_3=0.000$

REC Ratio(p_1/η_1) - E_b (E1,E2)

H1Reta_inelast1	
Entries	9921
Mean	-0.01713
RMS	0.3703
Underflow	1029
Overflow	1
Integral	8891
χ^2 / ndf	133.8 / 71
Prob	9.566e-06
Constant	396.6 ± 5.3
Mean	-0.009902 ± 0.003838
Sigma	0.3524 ± 0.0029

**REC Ratio(p_2/η_2) - E_b (E1, θ)**

H1Reta_inelast2	
Entries	9921
Mean	0.00478
RMS	0.2083
Underflow	1209
Overflow	0
Integral	8712
χ^2 / ndf	520.5 / 46
Prob	0
Constant	712.7 ± 12.2
Mean	0.005099 ± 0.002026
Sigma	0.1834 ± 0.0024

