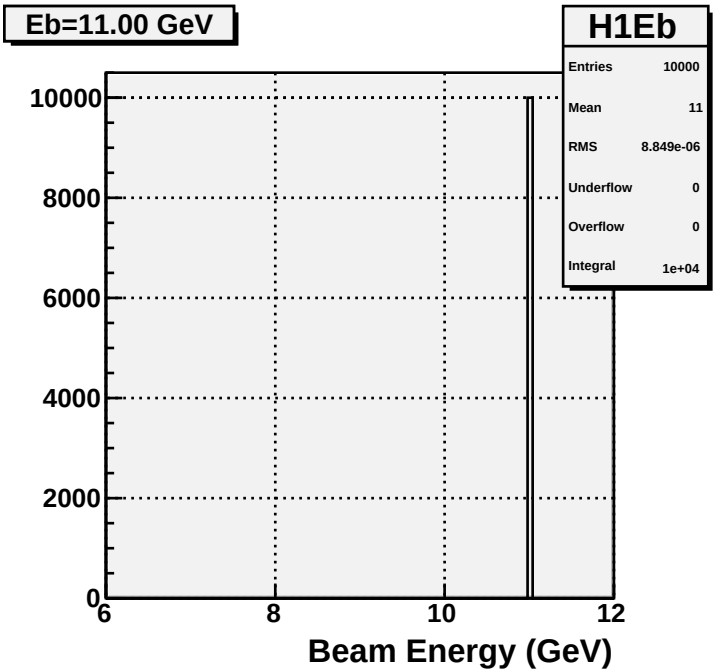
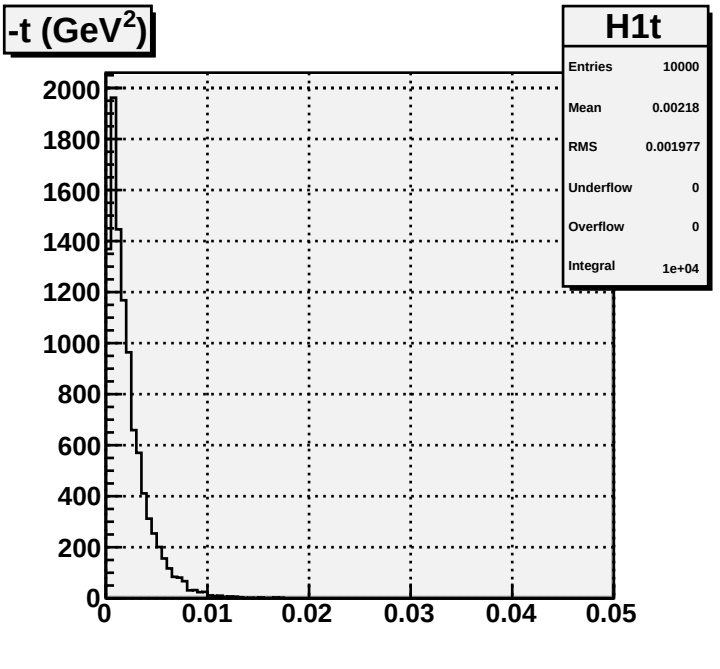
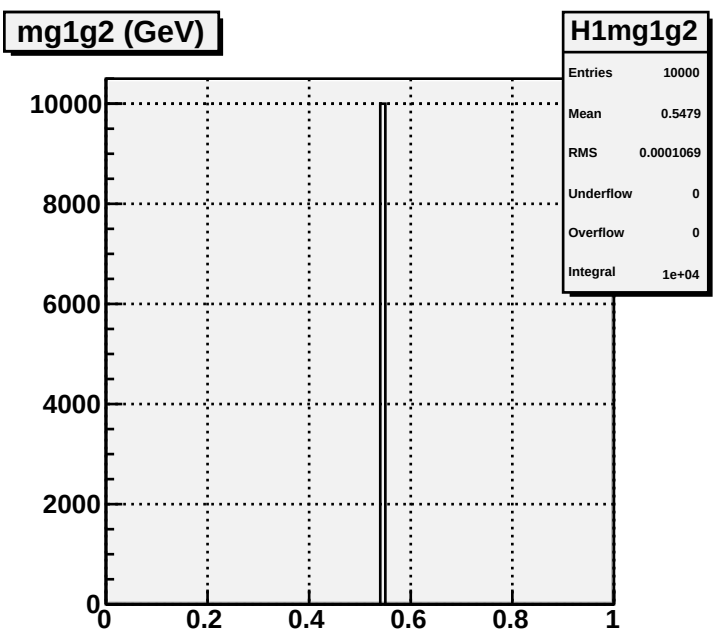
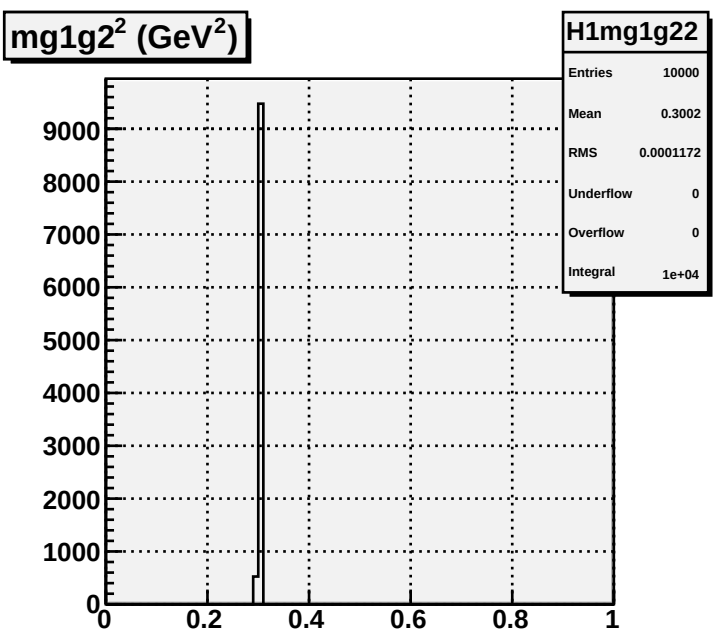
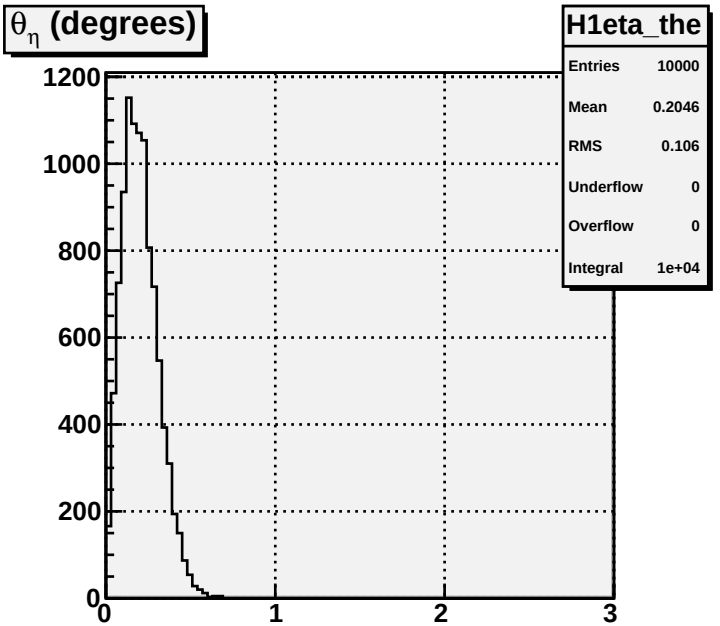
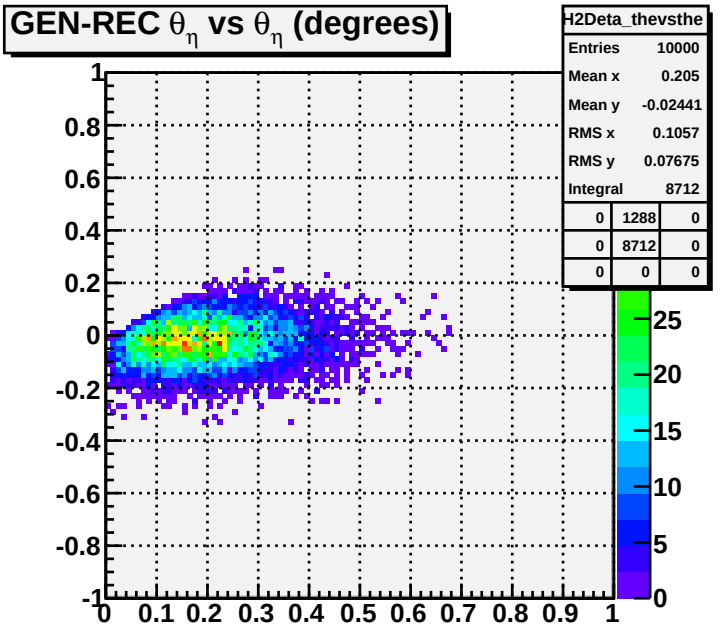

Eb=11.00 GeV
H1Eb
Entries 10000
Mean 11
RMS 8.849e-06
Underflow 0
Overflow 0
Integral 1e+04
10000
8000
6000
4000
2000
0
6
8
10
12
Beam Energy (GeV)

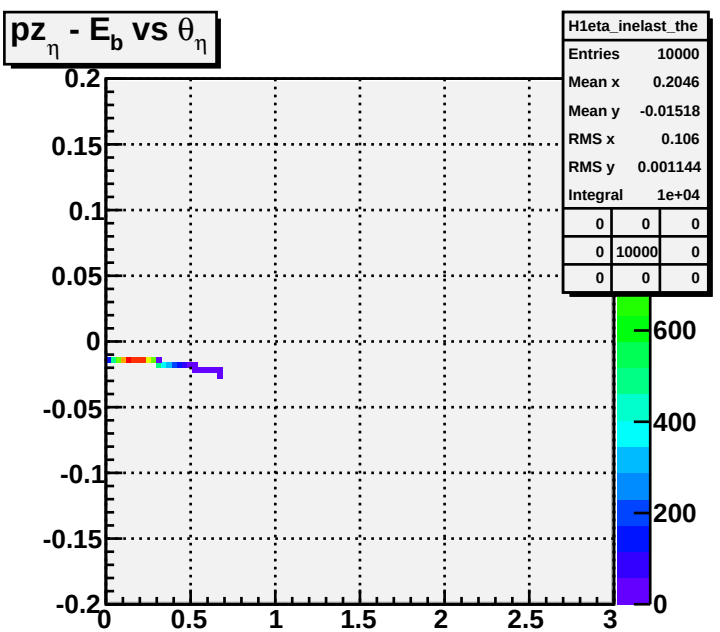

-t (GeV^2)
H1t
Entries 10000
Mean 0.00218
RMS 0.001977
Underflow 0
Overflow 0
Integral 1e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.01
0.02
0.03
0.04
0.05

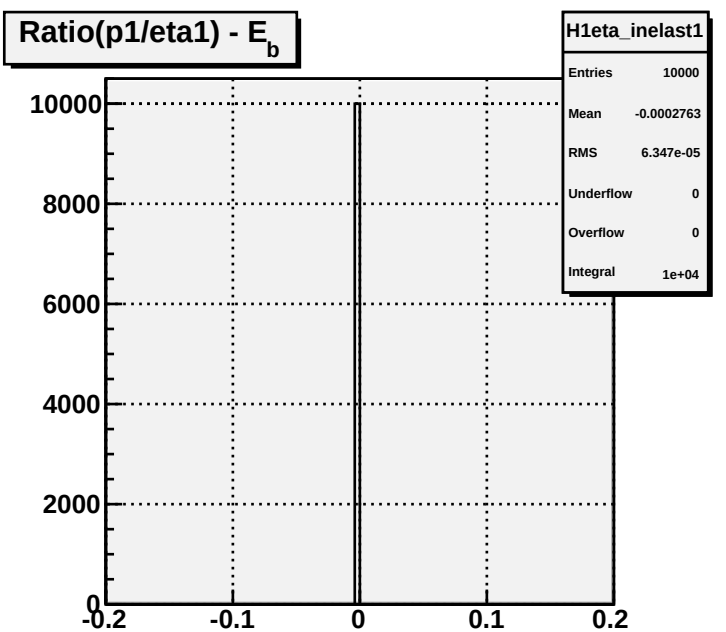

mg1g2 (GeV)
H1mg1g2
Entries 10000
Mean 0.5479
RMS 0.0001069
Underflow 0
Overflow 0
Integral 1e+04
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1

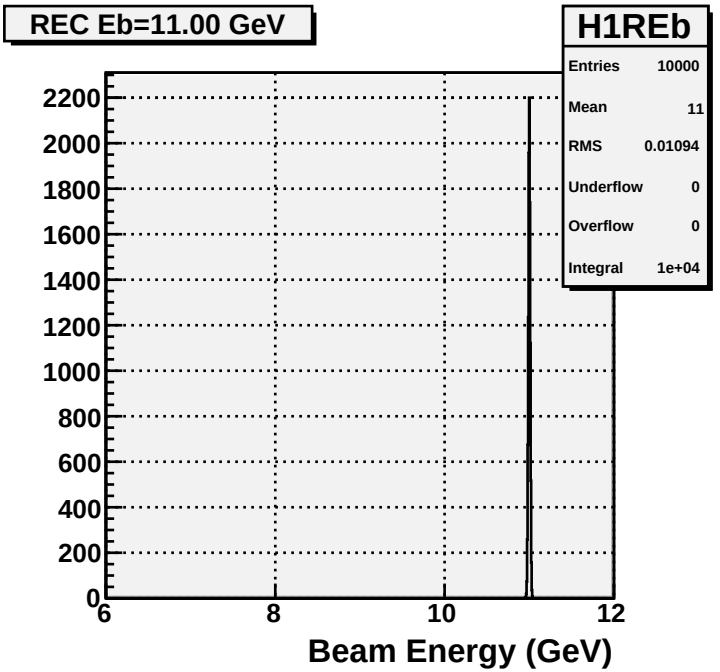

mg1g2^2 (GeV^2)
H1mg1g22
Entries 10000
Mean 0.3002
RMS 0.0001172
Underflow 0
Overflow 0
Integral 1e+04
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1

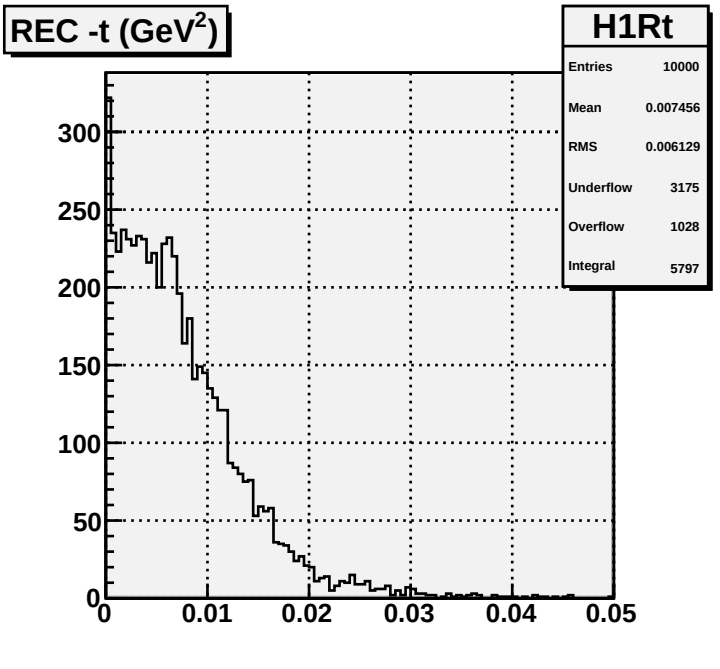

θη (degrees)
H1eta_the
Entries 10000
Mean 0.2046
RMS 0.106
Underflow 0
Overflow 0
Integral 1e+04

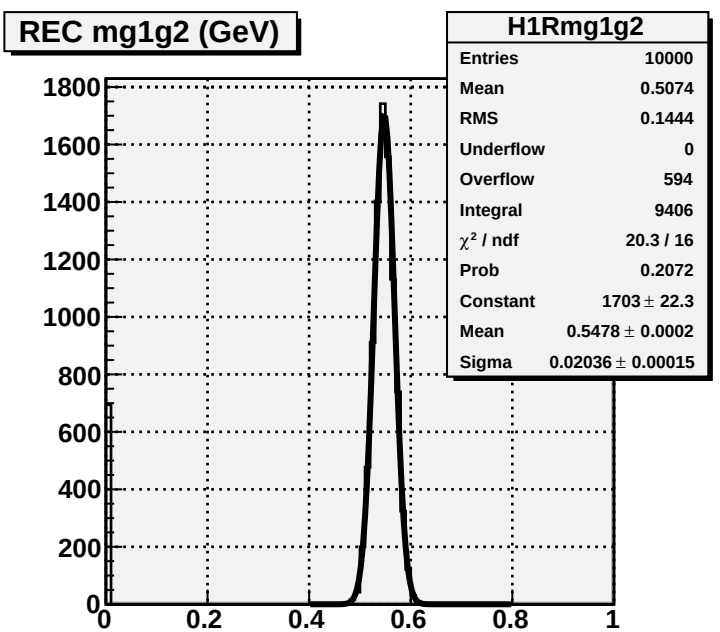

GEN-REC θη vs θη (degrees)
H2Deta_thevsthe
Entries 10000
Mean x 0.205
Mean y -0.02441
RMS x 0.1057
RMS y 0.07675
Integral 8712

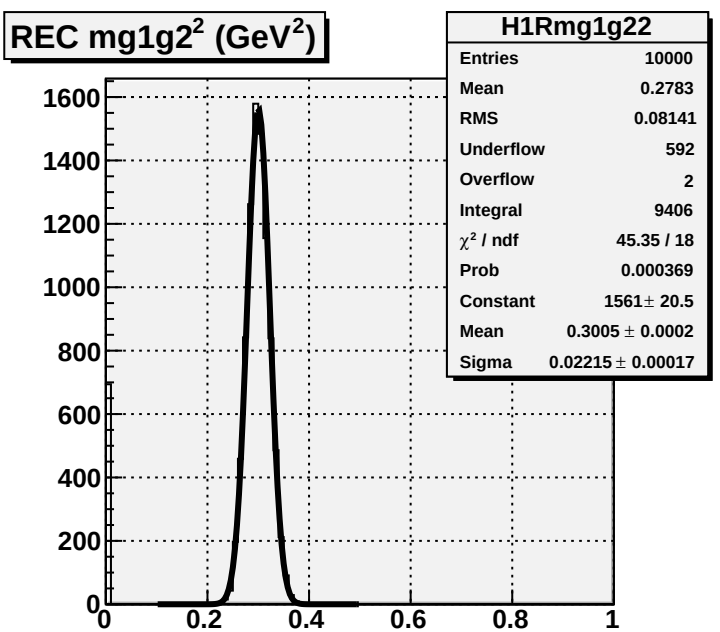

pzη - Eb vs θη
H1eta_inelast_the
Entries 10000
Mean x 0.2046
Mean y -0.01518
RMS x 0.106
RMS y 0.001144
Integral 1e+04

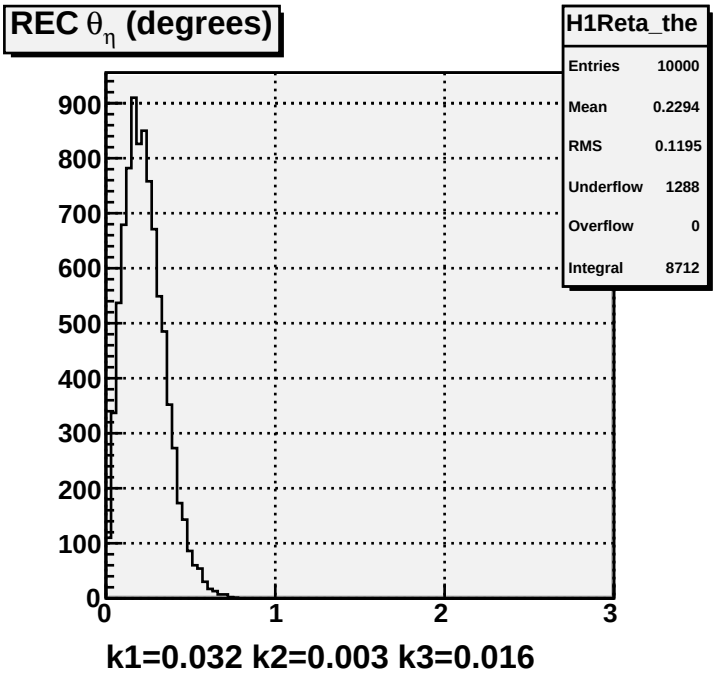

Ratio(p1/eta1) - Eb
H1eta_inelast1
Entries 10000
Mean -0.0002763
RMS 6.347e-05
Underflow 0
Overflow 0
Integral 1e+04

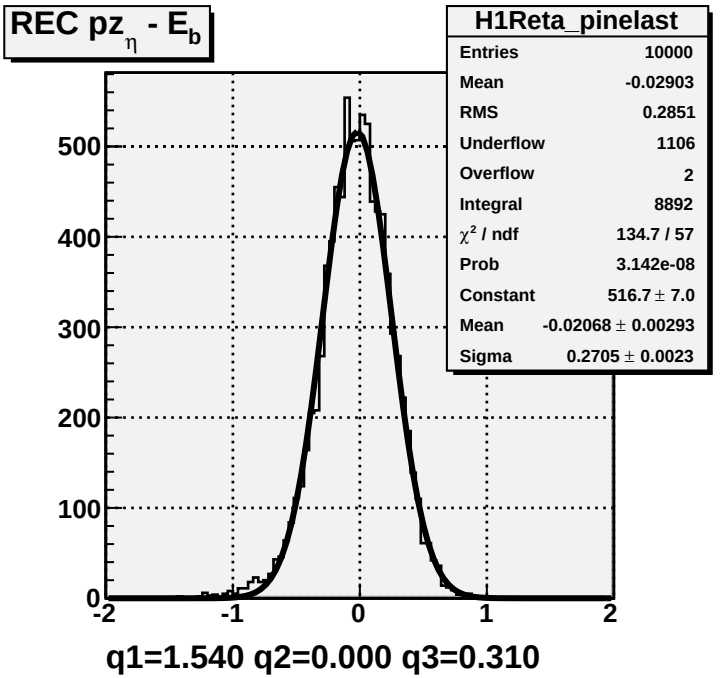

REC Eb=11.00 GeV
H1REb
Entries 10000
Mean 11
RMS 0.01094
Underflow 0
Overflow 0
Integral 1e+04
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
6
8
10
12
Beam Energy (GeV)

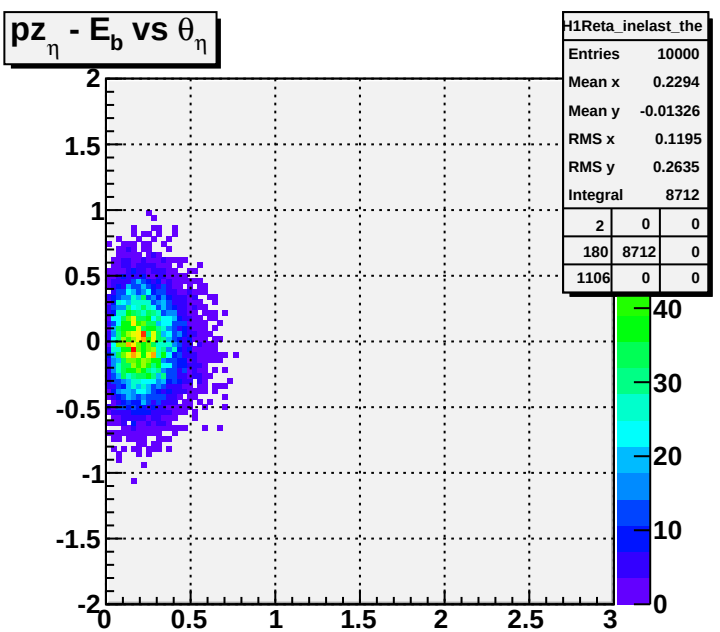

REC -t (GeV^2)
H1Rt
Entries 10000
Mean 0.007456
RMS 0.006129
Underflow 3175
Overflow 1028
Integral 5797
300
250
200
150
100
50
0
0
0.01
0.02
0.03
0.04
0.05

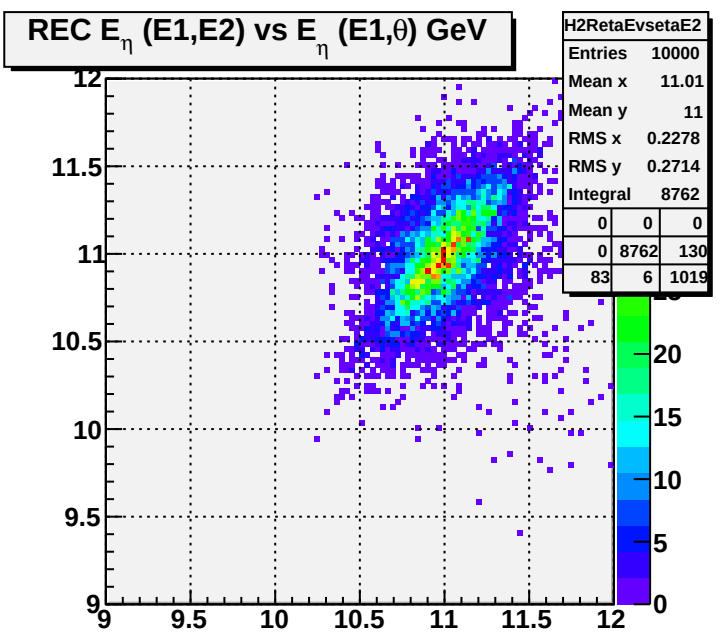

REC mg1g2 (GeV)
H1Rmg1g2
Entries 10000
Mean 0.5074
RMS 0.1444
Underflow 0
Overflow 594
Integral 9406
χ^2 / ndf 20.3 / 16
Prob 0.2072
Constant 1703 ± 22.3
Mean 0.5478 ± 0.0002
Sigma 0.02036 ± 0.00015
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1

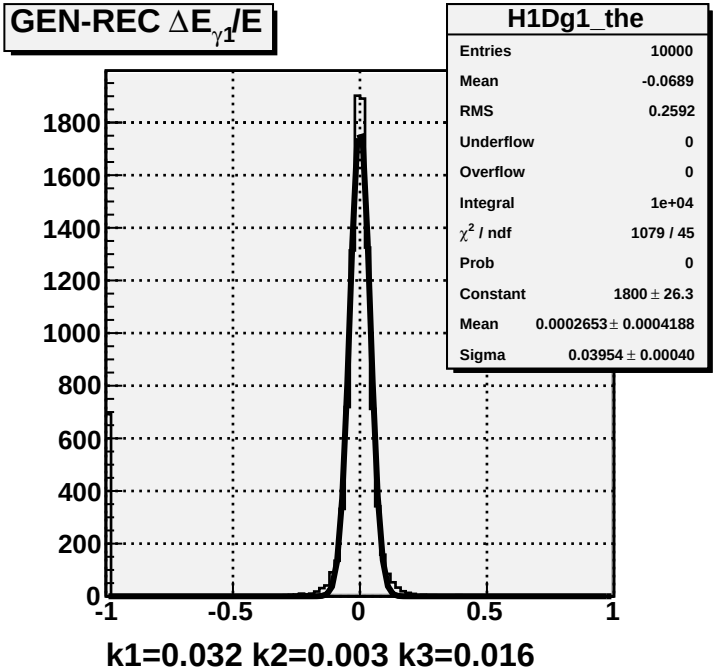

REC mg1g2^2 (GeV^2)
H1Rmg1g22
Entries 10000
Mean 0.2783
RMS 0.08141
Underflow 592
Overflow 2
Integral 9406
χ^2 / ndf 45.35 / 18
Prob 0.000369
Constant 1561 ± 20.5
Mean 0.3005 ± 0.0002
Sigma 0.02215 ± 0.00017
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1

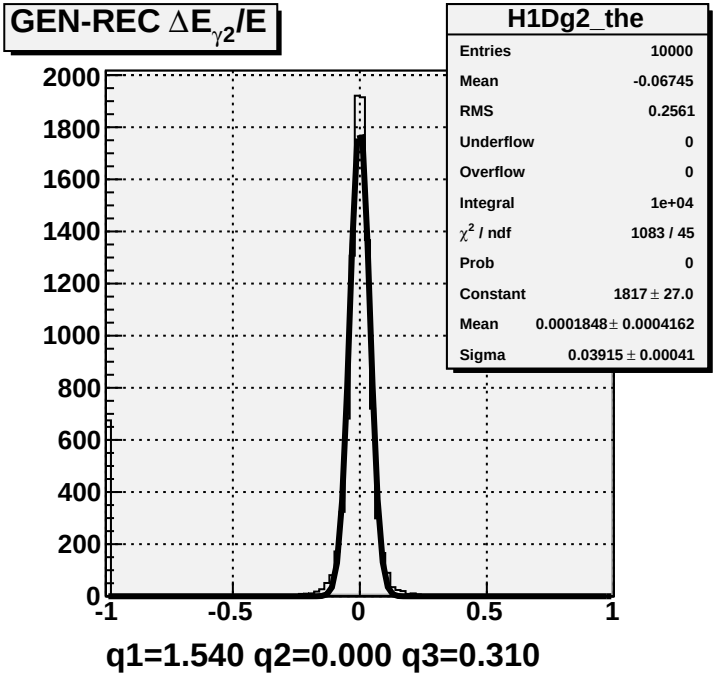

REC θ_η (degrees)
H1Reta_the
Entries 10000
Mean 0.2294
RMS 0.1195
Underflow 1288
Overflow 0
Integral 8712
k1=0.032 k2=0.003 k3=0.016

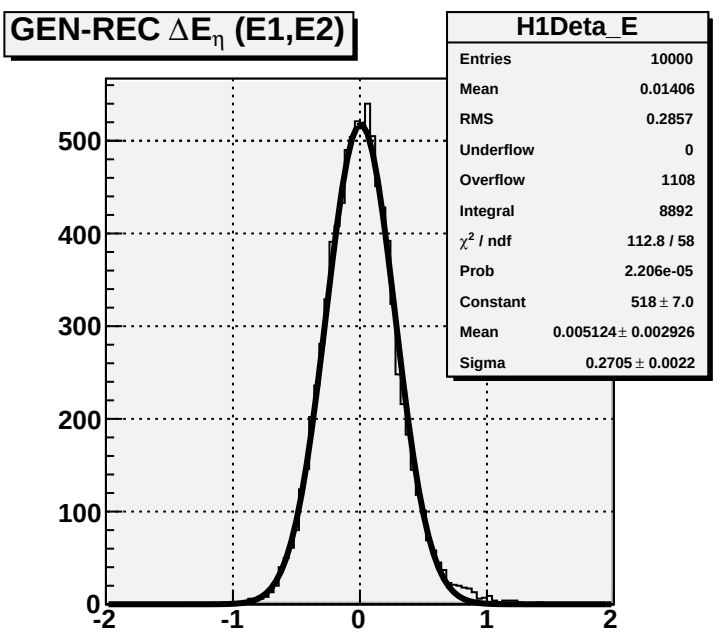

REC pz_η - E_b
H1Reta_pinelast
Entries 10000
Mean -0.02903
RMS 0.2851
Underflow 1106
Overflow 2
Integral 8892
χ^2 / ndf 134.7 / 57
Prob 3.142e-08
Constant 516.7 ± 7.0
Mean -0.02068 ± 0.00293
Sigma 0.2705 ± 0.0023
q1=1.540 q2=0.000 q3=0.310

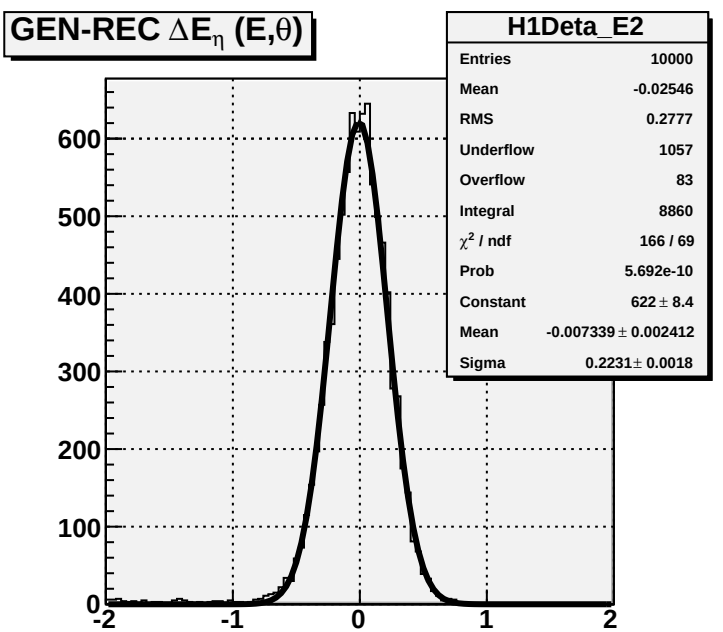

pz_η - E_b vs θ_η
H1Reta_inelast_the
Entries 10000
Mean x 0.2294
Mean y -0.01326
RMS x 0.1195
RMS y 0.2635
Integral 8712
2 0 0
180 8712 0
1106 0 0

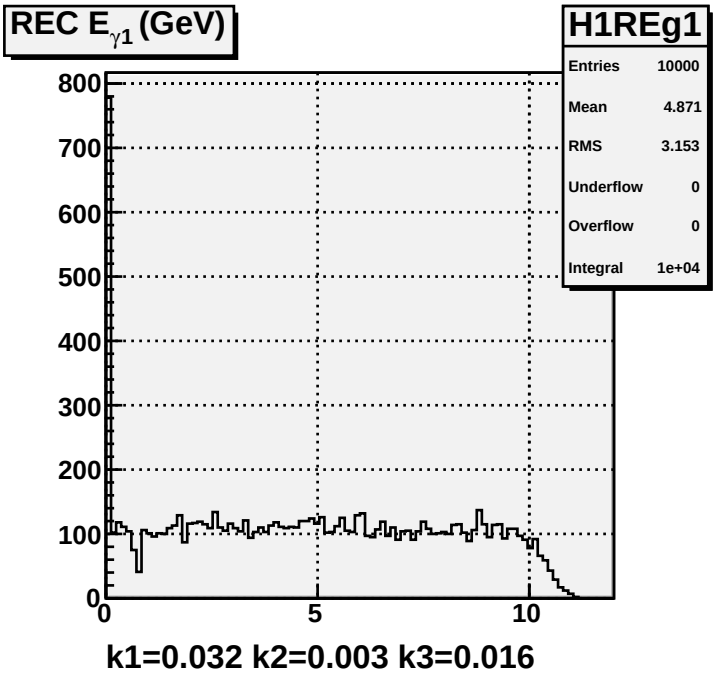

REC E_η (E1,E2) vs E_η (E1,θ) GeV
H2RetaEvsetaE2
Entries 10000
Mean x 11.01
Mean y 11
RMS x 0.2278
RMS y 0.2714
Integral 8762
0 0 0
0 8762 130
83 6 1019

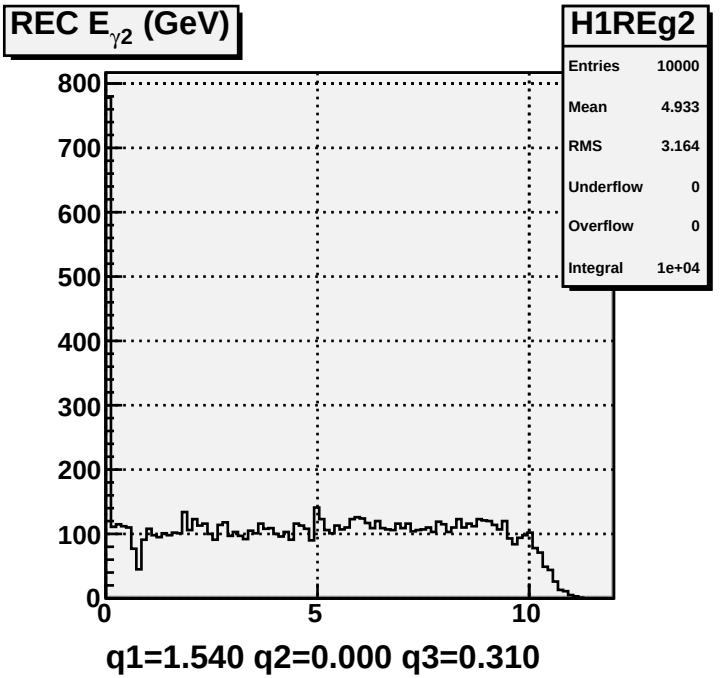

GEN-REC ΔE$_{\gamma 1}$/E
H1Dg1_the
Entries 10000
Mean -0.0689
RMS 0.2592
Underflow 0
Overflow 0
Integral 1e+04
χ² / ndf 1079 / 45
Prob 0
Constant 1800 ± 26.3
Mean 0.0002653 ± 0.0004188
Sigma 0.03954 ± 0.00040
k1=0.032 k2=0.003 k3=0.016

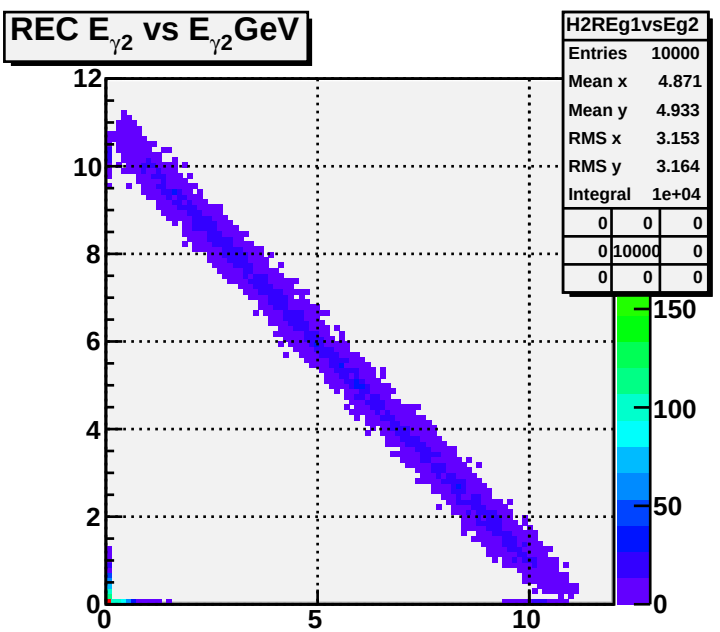

GEN-REC ΔE$_{\gamma 2}$/E
H1Dg2_the
Entries 10000
Mean -0.06745
RMS 0.2561
Underflow 0
Overflow 0
Integral 1e+04
χ² / ndf 1083 / 45
Prob 0
Constant 1817 ± 27.0
Mean 0.0001848 ± 0.0004162
Sigma 0.03915 ± 0.00041
q1=1.540 q2=0.000 q3=0.310

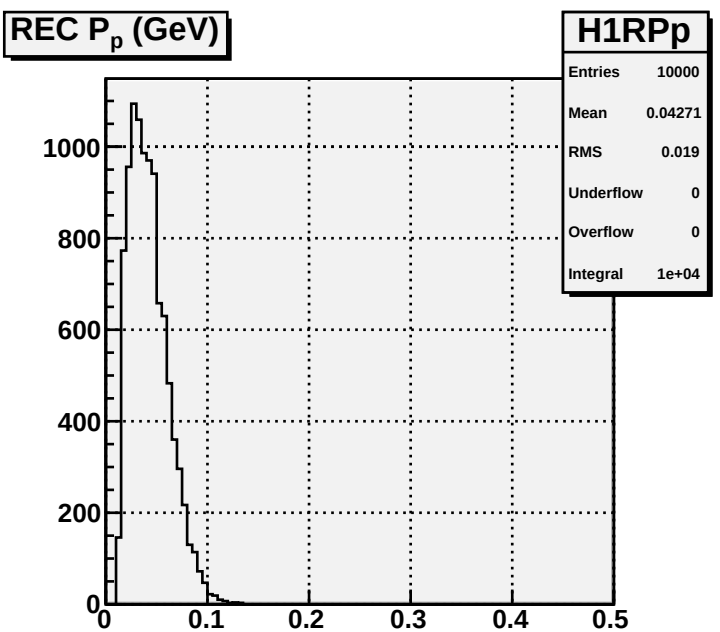

GEN-REC ΔE$_{\eta}$ (E1,E2)
H1Deta_E
Entries 10000
Mean 0.01406
RMS 0.2857
Underflow 0
Overflow 1108
Integral 8892
χ² / ndf 112.8 / 58
Prob 2.206e-05
Constant 518 ± 7.0
Mean 0.005124 ± 0.002926
Sigma 0.2705 ± 0.0022

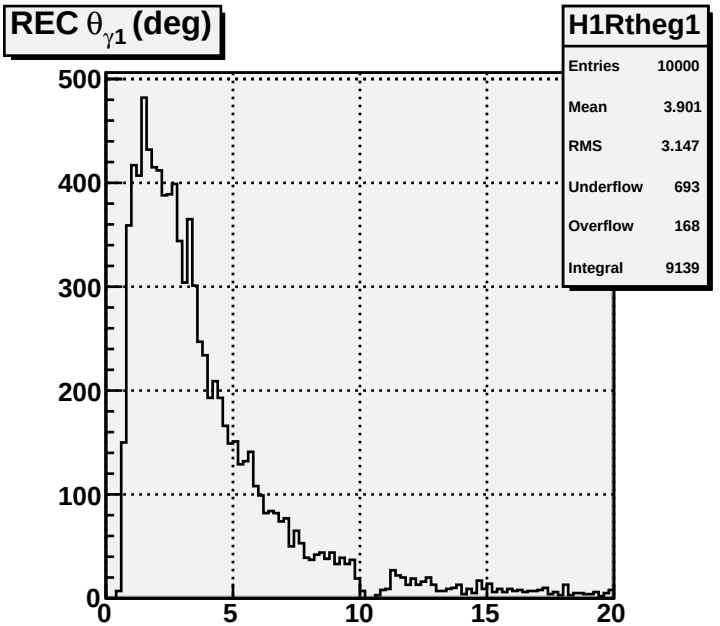

GEN-REC ΔE$_{\eta}$ (E,θ)
H1Deta_E2
Entries 10000
Mean -0.02546
RMS 0.2777
Underflow 1057
Overflow 83
Integral 8860
χ² / ndf 166 / 69
Prob 5.692e-10
Constant 622 ± 8.4
Mean -0.007339 ± 0.002412
Sigma 0.2231 ± 0.0018

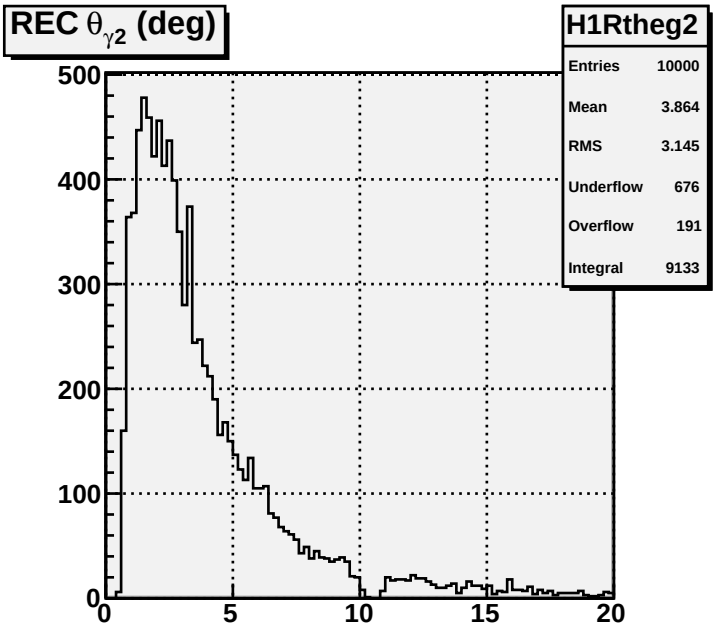

REC $E_{\gamma 1}$ (GeV)
H1REg1
Entries 10000
Mean 4.871
RMS 3.153
Underflow 0
Overflow 0
Integral 1e+04
k1=0.032 k2=0.003 k3=0.016

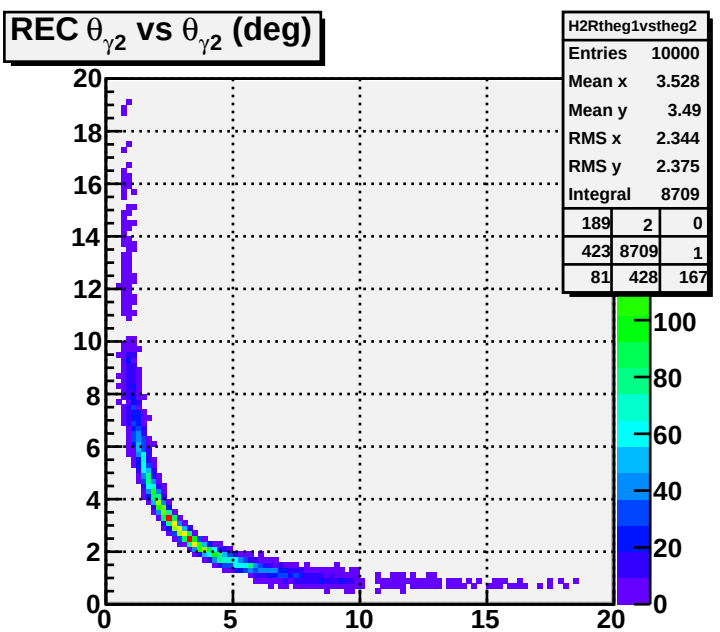

REC $E_{\gamma 2}$ (GeV)
H1REg2
Entries 10000
Mean 4.933
RMS 3.164
Underflow 0
Overflow 0
Integral 1e+04
q1=1.540 q2=0.000 q3=0.310

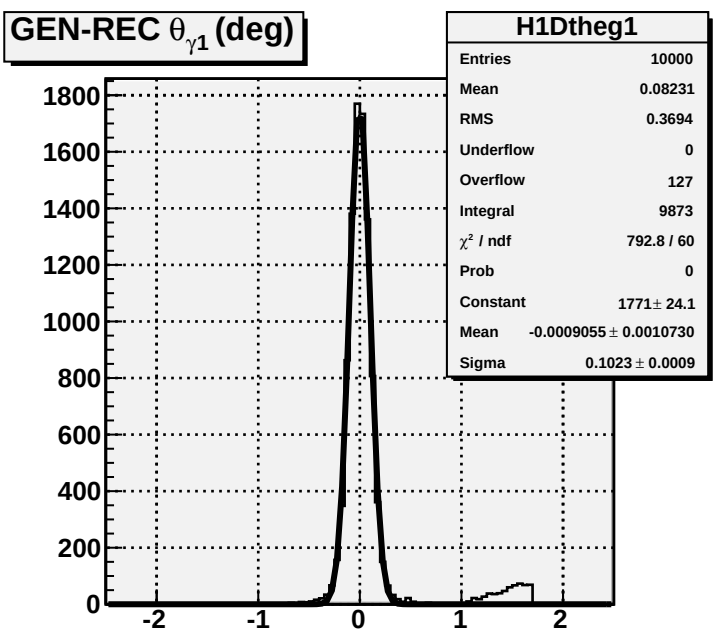

REC $E_{\gamma 2}$ vs $E_{\gamma 2}$GeV
H2REg1vsEg2
Entries 10000
Mean x 4.871
Mean y 4.933
RMS x 3.153
RMS y 3.164
Integral 1e+04

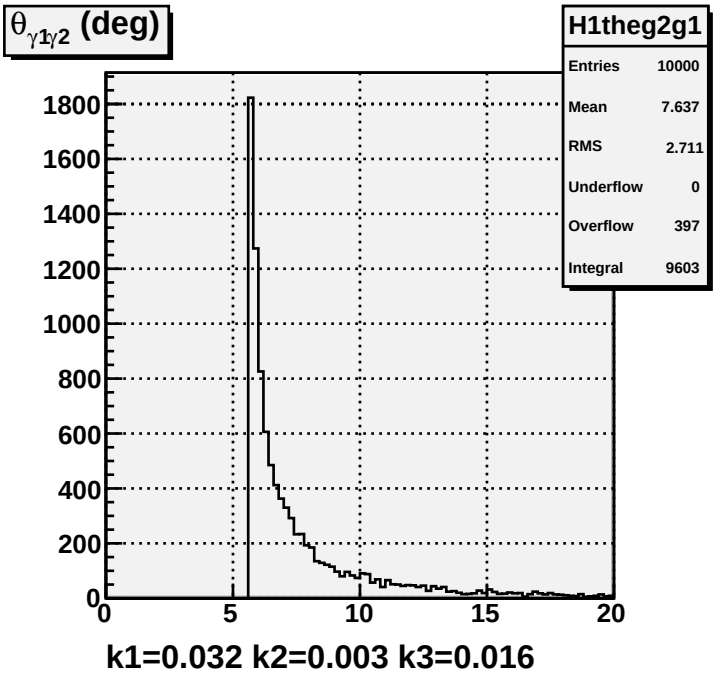

REC P_p (GeV)
H1RPp
Entries 10000
Mean 0.04271
RMS 0.019
Underflow 0
Overflow 0
Integral 1e+04

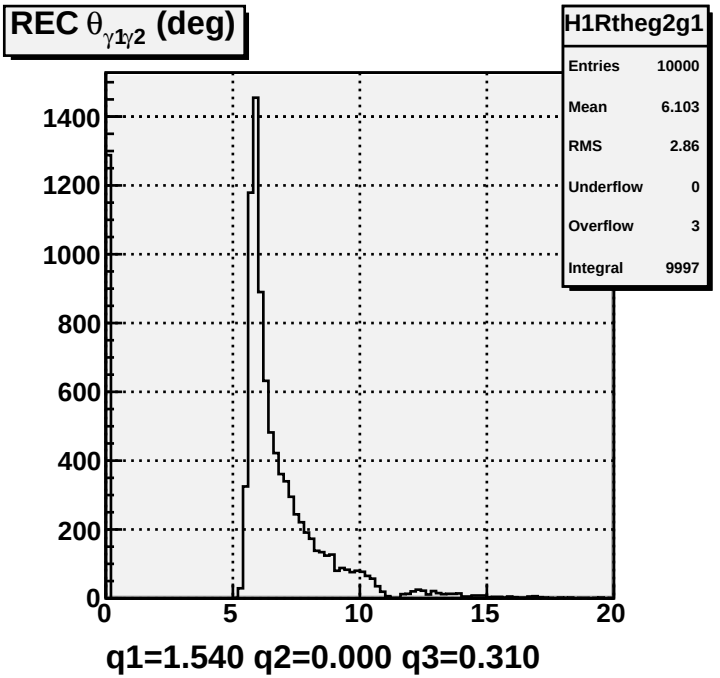

REC $\theta_{\gamma 1}$ (deg)
H1Rtheg1
Entries 10000
Mean 3.901
RMS 3.147
Underflow 693
Overflow 168
Integral 9139
k1=0.032 k2=0.003 k3=0.016

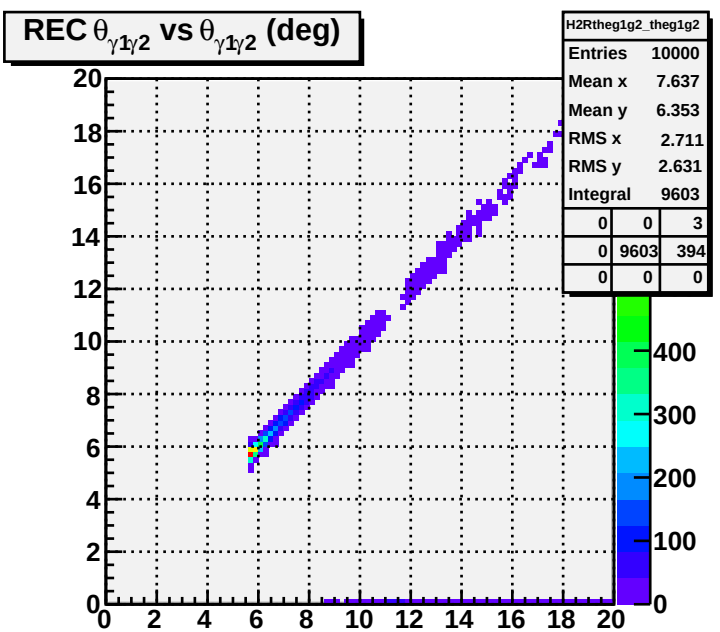

REC $\theta_{\gamma 2}$ (deg)
H1Rtheg2
Entries 10000
Mean 3.864
RMS 3.145
Underflow 676
Overflow 191
Integral 9133
q1=1.540 q2=0.000 q3=0.310

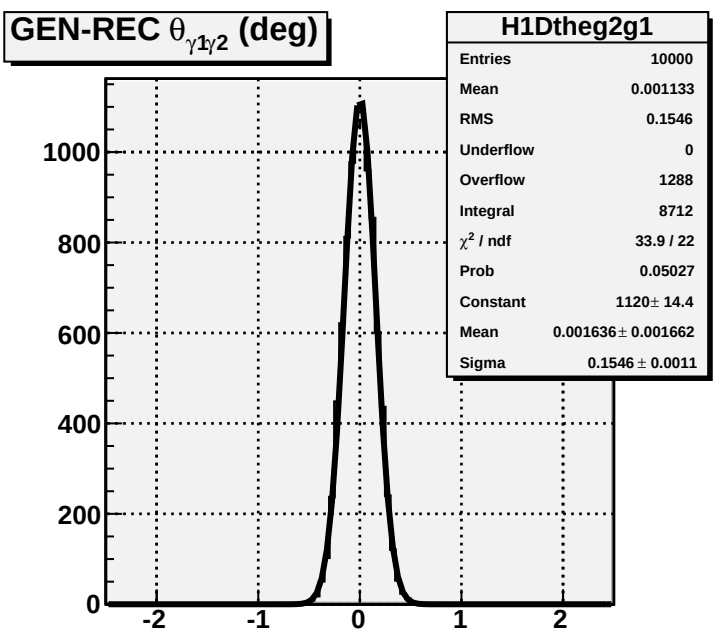

REC $\theta_{\gamma 2}$ vs $\theta_{\gamma 2}$ (deg)
H2Rtheg1vstheg2
Entries 10000
Mean x 3.528
Mean y 3.49
RMS x 2.344
RMS y 2.375
Integral 8709
189 2 0
423 8709 1
81 428 167

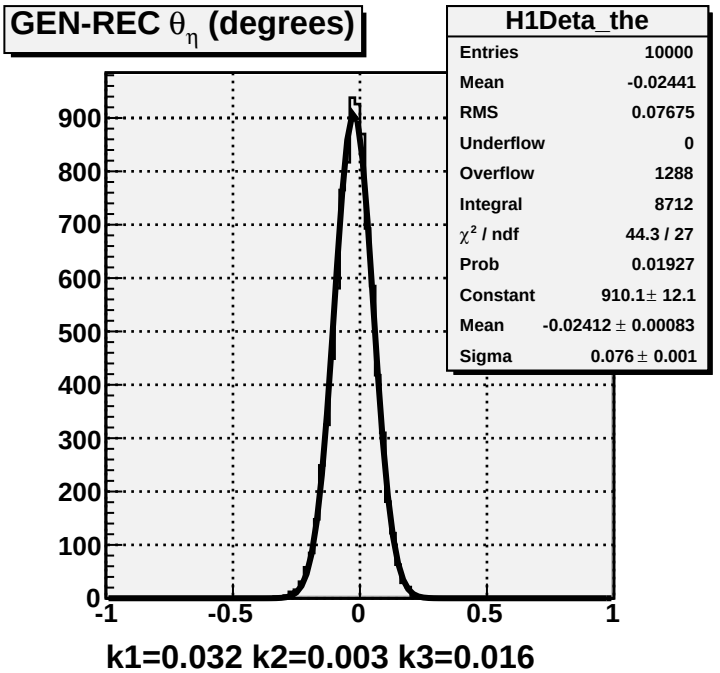

GEN-REC $\theta_{\gamma 1}$ (deg)
H1Dtheg1
Entries 10000
Mean 0.08231
RMS 0.3694
Underflow 0
Overflow 127
Integral 9873
χ^2 / ndf 792.8 / 60
Prob 0
Constant 1771 ± 24.1
Mean -0.0009055 ± 0.0010730
Sigma 0.1023 ± 0.0009

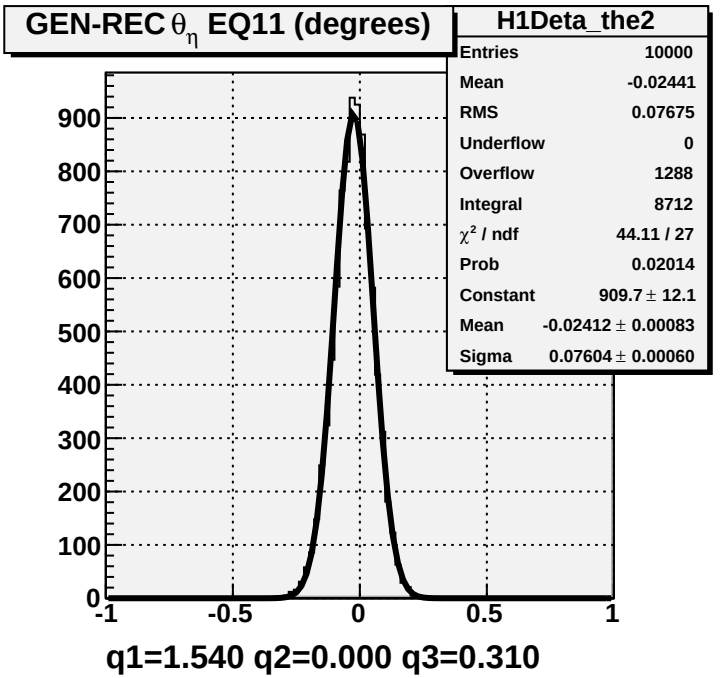

θγ1γ2 (deg)
H1theg2g1
Entries 10000
Mean 7.637
RMS 2.711
Underflow 0
Overflow 397
Integral 9603
k1=0.032 k2=0.003 k3=0.016

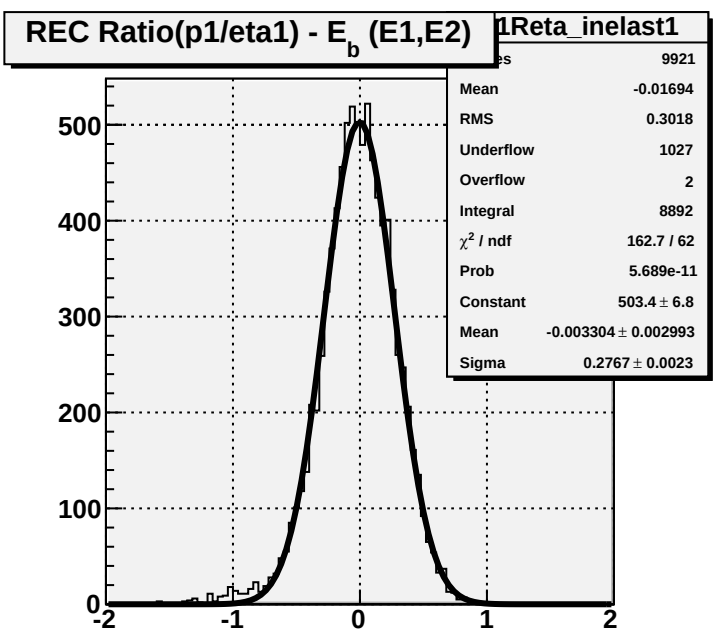

REC θγ1γ2 (deg)
H1Rtheg2g1
Entries 10000
Mean 6.103
RMS 2.86
Underflow 0
Overflow 3
Integral 9997
q1=1.540 q2=0.000 q3=0.310

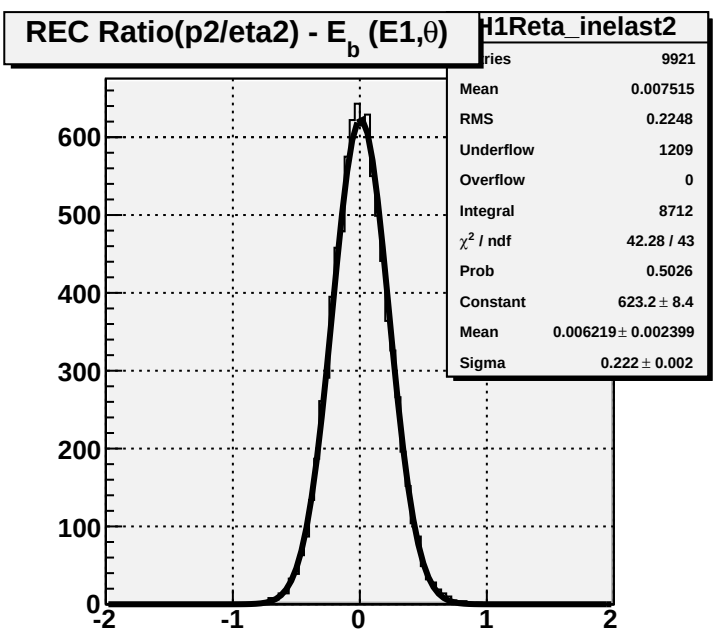

REC θγ1γ2 vs θγ1γ2 (deg)
H2Rtheg1g2_theg1g2
Entries 10000
Mean x 7.637
Mean y 6.353
RMS x 2.711
RMS y 2.631
Integral 9603
0 0 3
0 9603 394
0 0 0


GEN-REC θγ1γ2 (deg)
H1Dtheg2g1
Entries 10000
Mean 0.001133
RMS 0.1546
Underflow 0
Overflow 1288
Integral 8712
χ² / ndf 33.9 / 22
Prob 0.05027
Constant 1120 ± 14.4
Mean 0.001636 ± 0.001662
Sigma 0.1546 ± 0.0011


GEN-REC θ_η (degrees)
H1Deta_the
Entries 10000
Mean -0.02441
RMS 0.07675
Underflow 0
Overflow 1288
Integral 8712
χ^2 / ndf 44.3 / 27
Prob 0.01927
Constant 910.1 ± 12.1
Mean -0.02412 ± 0.00083
Sigma 0.076 ± 0.001
k1=0.032 k2=0.003 k3=0.016


GEN-REC θ_η EQ11 (degrees)
H1Deta_the2
Entries 10000
Mean -0.02441
RMS 0.07675
Underflow 0
Overflow 1288
Integral 8712
χ^2 / ndf 44.11 / 27
Prob 0.02014
Constant 909.7 ± 12.1
Mean -0.02412 ± 0.00083
Sigma 0.07604 ± 0.00060
q1=1.540 q2=0.000 q3=0.310


REC Ratio(p1/eta1) - E_b (E1,E2)
H1Reta_inelast1
Entries 9921
Mean -0.01694
RMS 0.3018
Underflow 1027
Overflow 2
Integral 8892
χ^2 / ndf 162.7 / 62
Prob 5.689e-11
Constant 503.4 ± 6.8
Mean -0.003304 ± 0.002993
Sigma 0.2767 ± 0.0023


REC Ratio(p2/eta2) - E_b (E1,θ)
H1Reta_inelast2
Entries 9921
Mean 0.007515
RMS 0.2248
Underflow 1209
Overflow 0
Integral 8712
χ^2 / ndf 42.28 / 43
Prob 0.5026
Constant 623.2 ± 8.4
Mean 0.006219 ± 0.002399
Sigma 0.222 ± 0.002