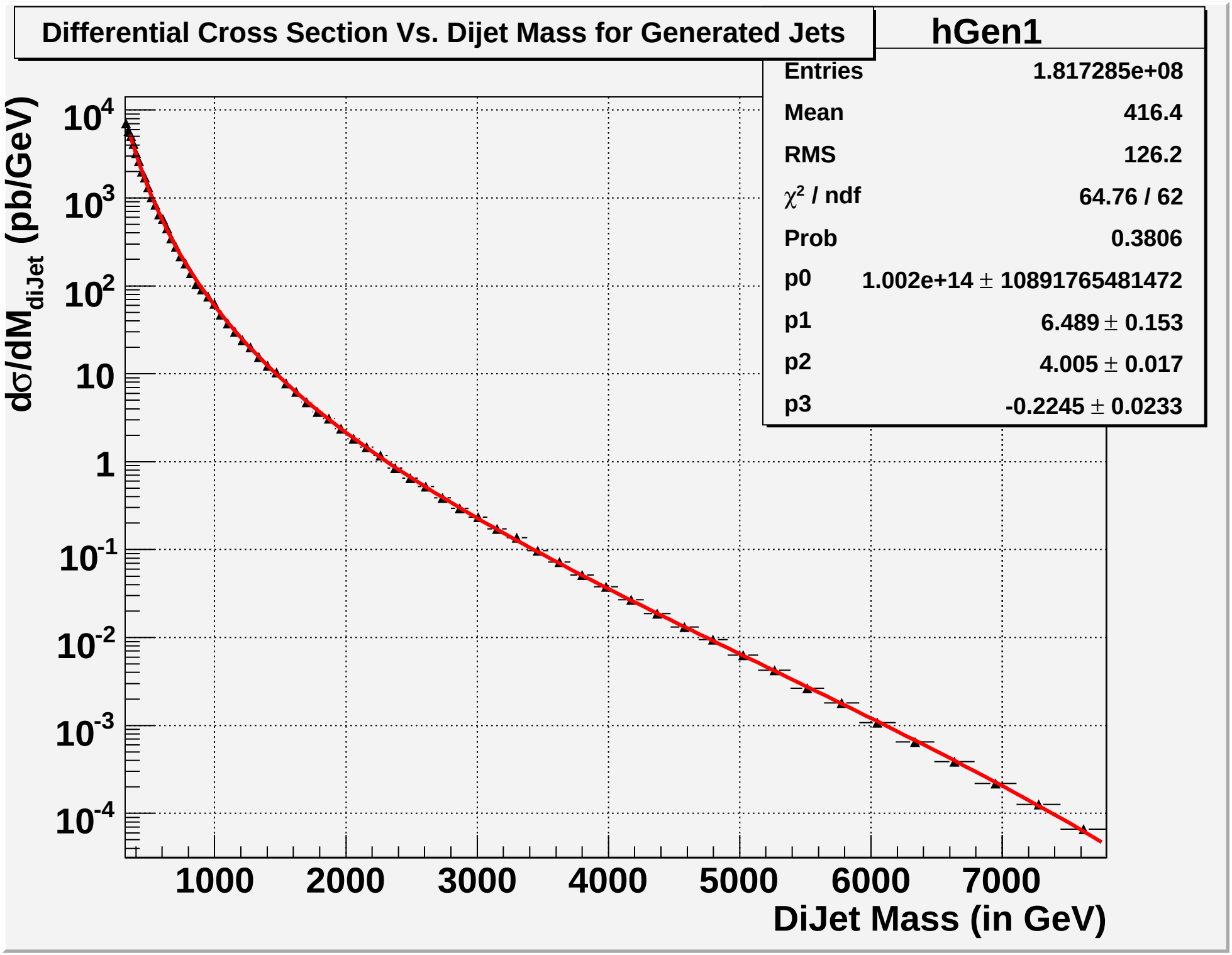
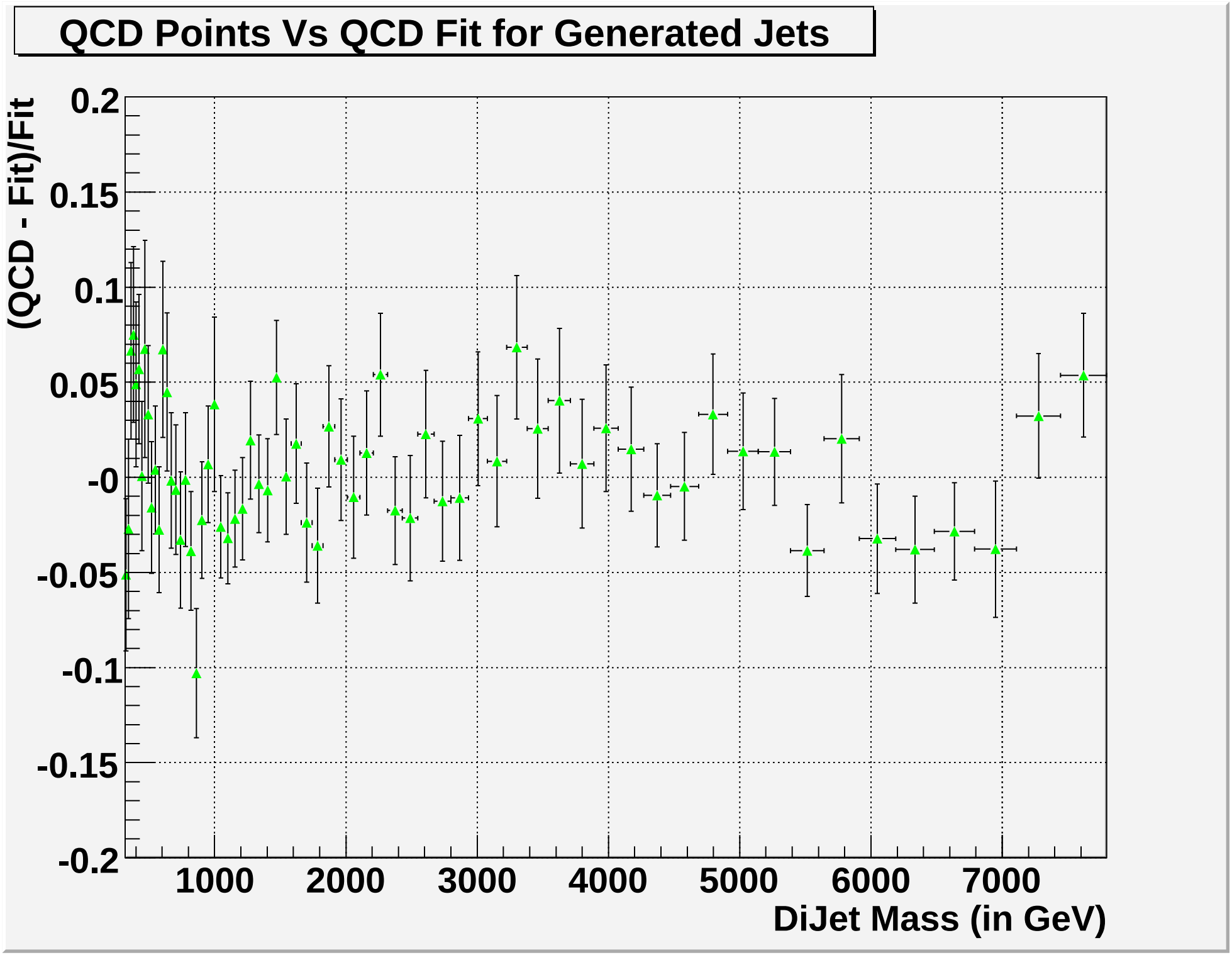
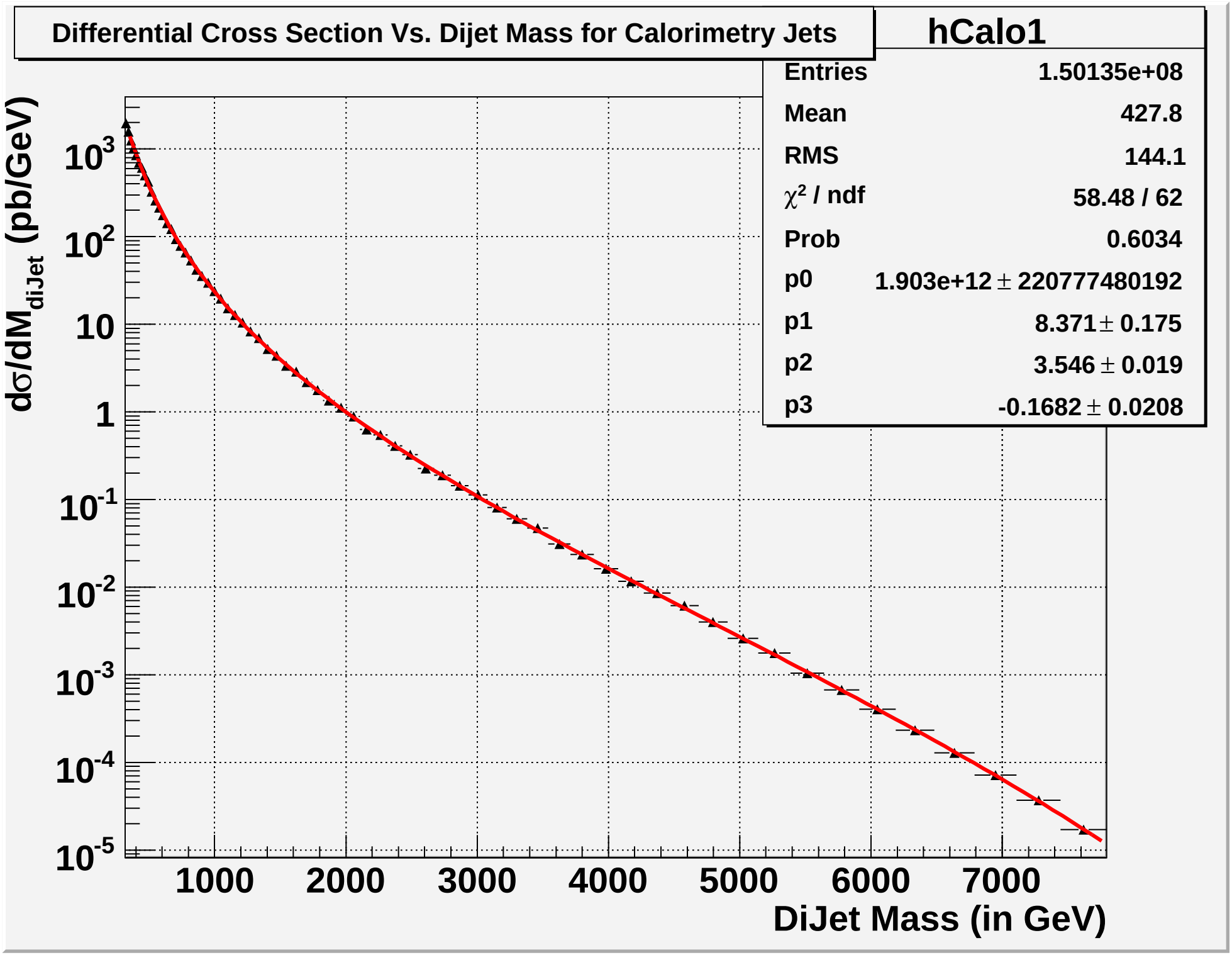
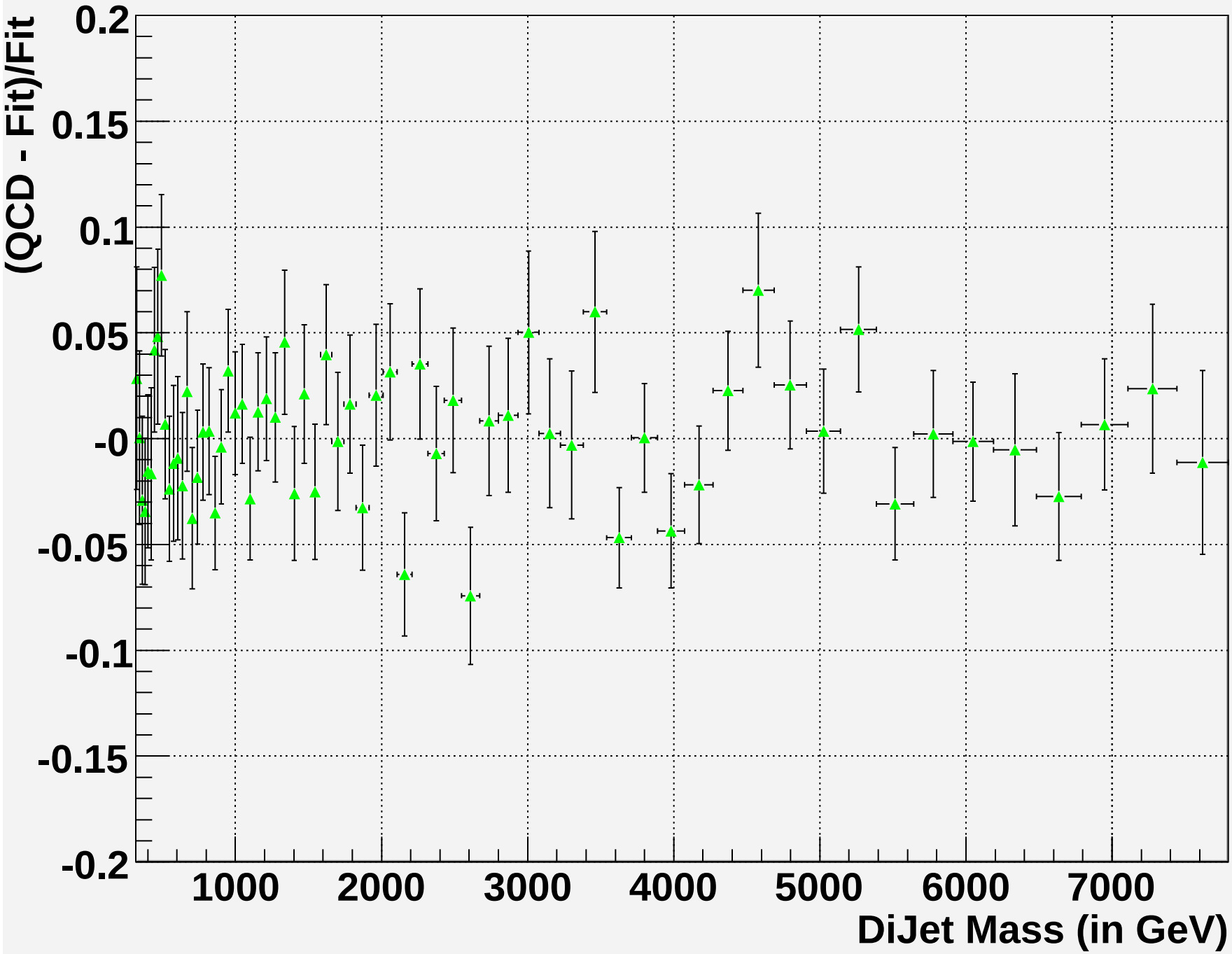
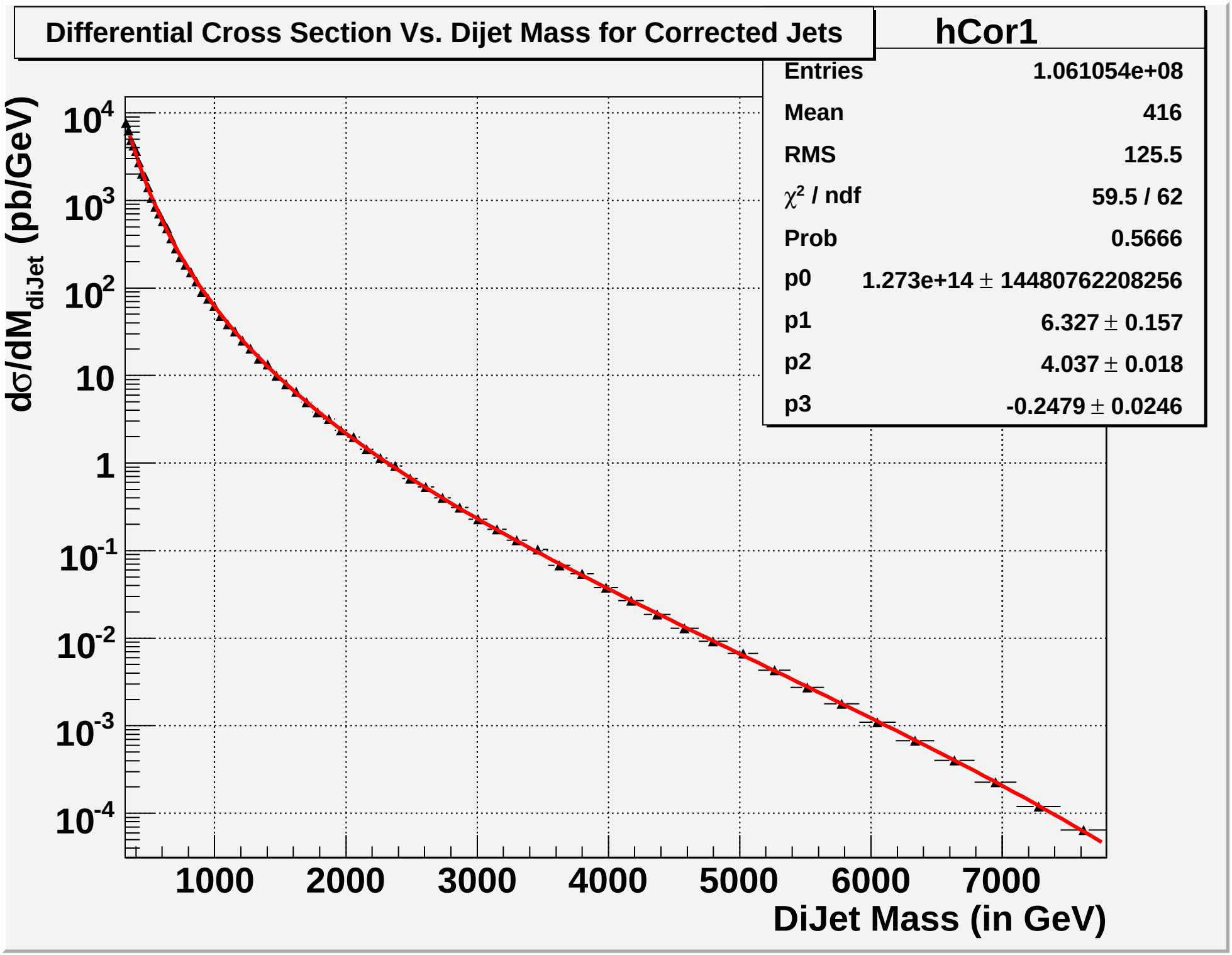

Differential Cross Section Vs. Dijet Mass for Generated Jets
hGen1
Entries 1.817285e+08
Mean 416.4
RMS 126.2
χ² / ndf 64.76 / 62
Prob 0.3806
p0 1.002e+14 ± 10891765481472
p1 6.489 ± 0.153
p2 4.005 ± 0.017
p3 -0.2245 ± 0.0233
dσ/dM_diJet (pb/GeV)
10^4
10^3
10^2
10
1
10^-1
10^-2
10^-3
10^-4
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)

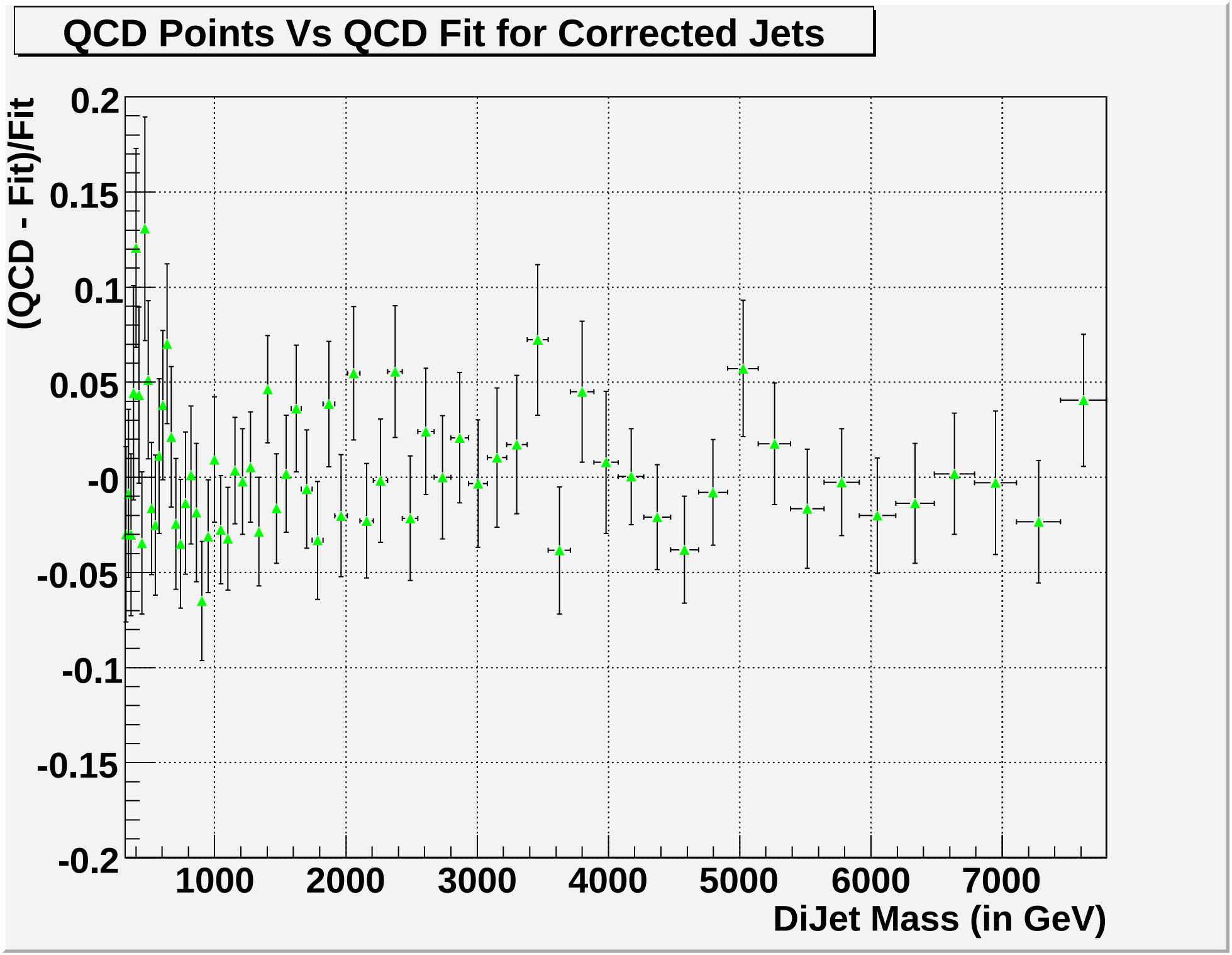

QCD Points Vs QCD Fit for Generated Jets
(QCD - Fit)/Fit
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)

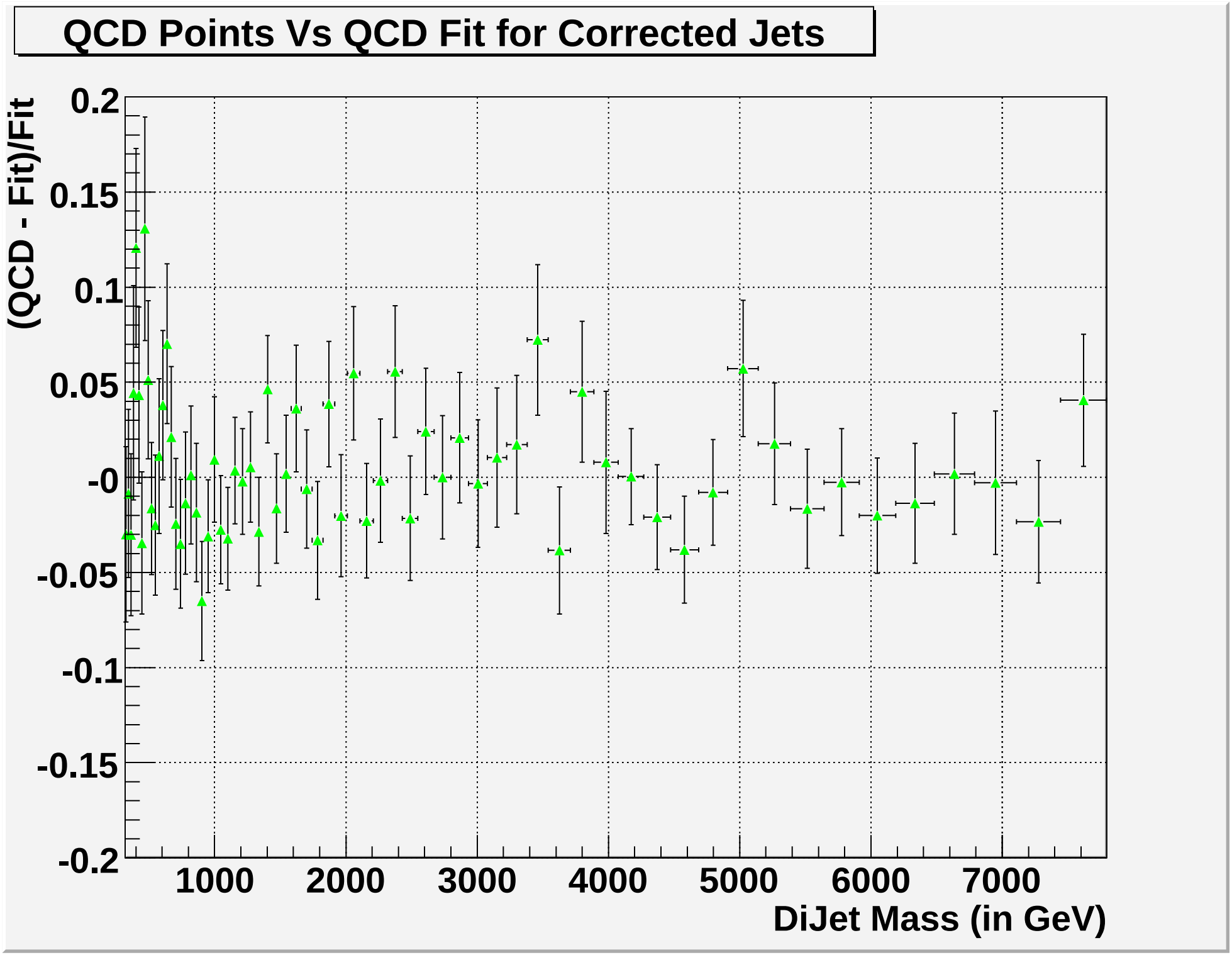

Differential Cross Section Vs. Dijet Mass for Calorimetry Jets
hCalo1
Entries 1.50135e+08
Mean 427.8
RMS 144.1
χ² / ndf 58.48 / 62
Prob 0.6034
p0 1.903e+12 ± 220777480192
p1 8.371 ± 0.175
p2 3.546 ± 0.019
p3 -0.1682 ± 0.0208
dσ/dM_diJet (pb/GeV)
10^3
10^2
10
1
10^-1
10^-2
10^-3
10^-4
10^-5
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)

QCD Points Vs QCD Fit for Calorimetry Jets




Differential Cross Section Vs. Dijet Mass for Corrected Jets
hCor1
Entries 1.061054e+08
Mean 416
RMS 125.5
χ² / ndf 59.5 / 62
Prob 0.5666
p0 1.273e+14 ± 14480762208256
p1 6.327 ± 0.157
p2 4.037 ± 0.018
p3 -0.2479 ± 0.0246
dσ/dM_diJet (pb/GeV)
10^4
10^3
10^2
10
1
10^-1
10^-2
10^-3
10^-4
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)


QCD Points Vs QCD Fit for Corrected Jets
(QCD - Fit)/Fit
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)


QCD Points Vs QCD Fit for Corrected Jets
(QCD - Fit)/Fit
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
1000
2000
3000
4000
5000
6000
7000
DiJet Mass (in GeV)