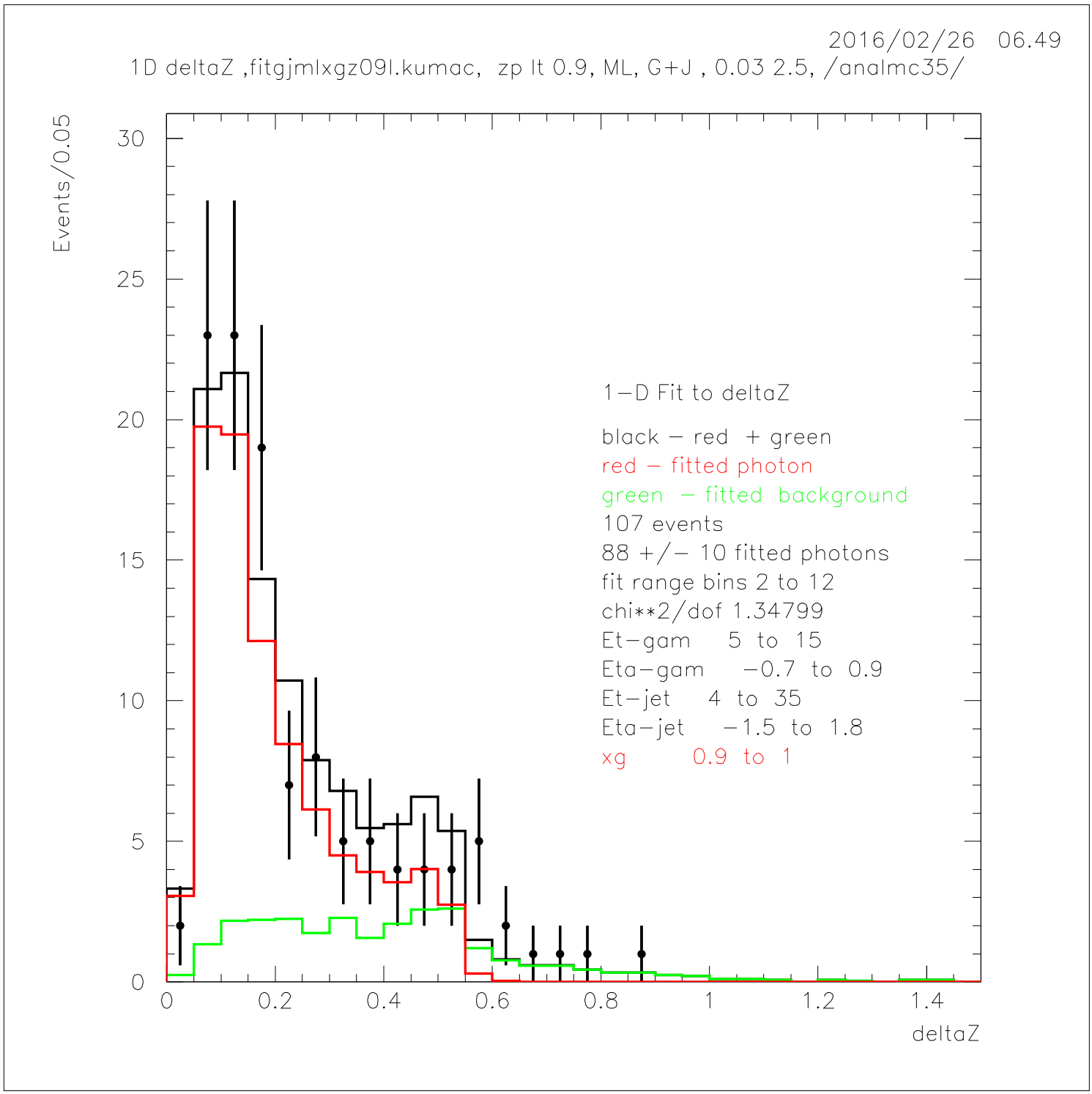
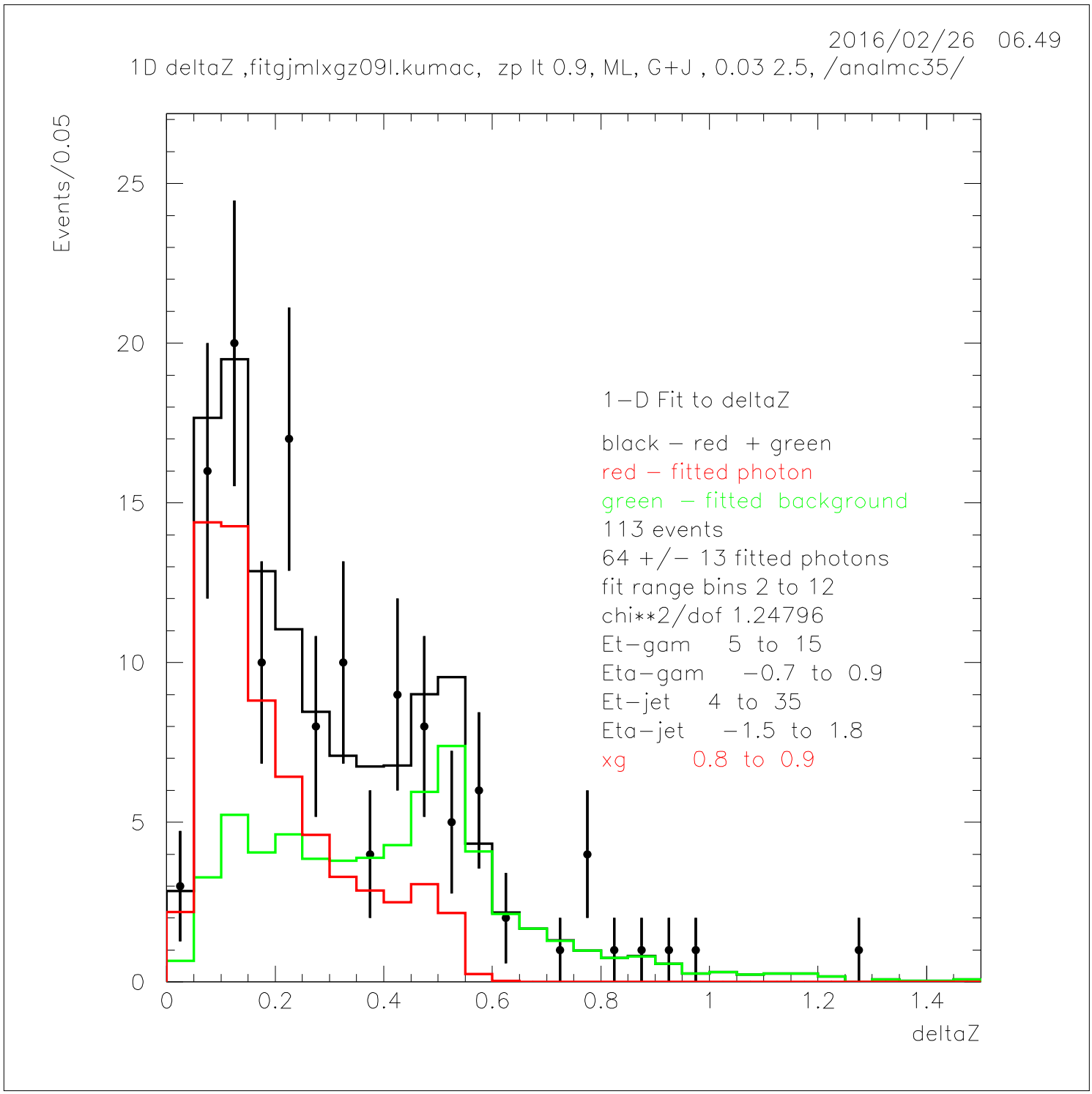
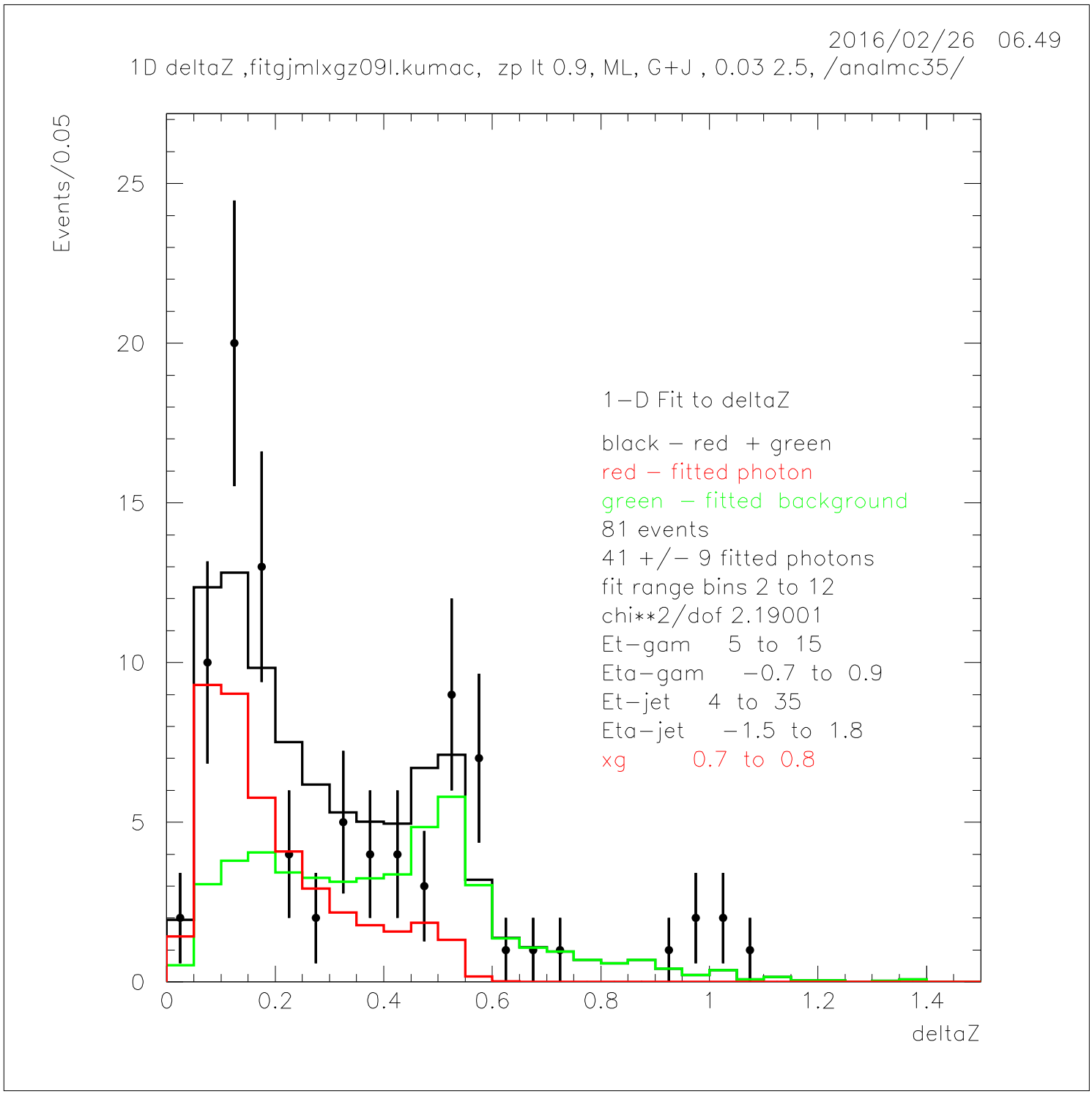
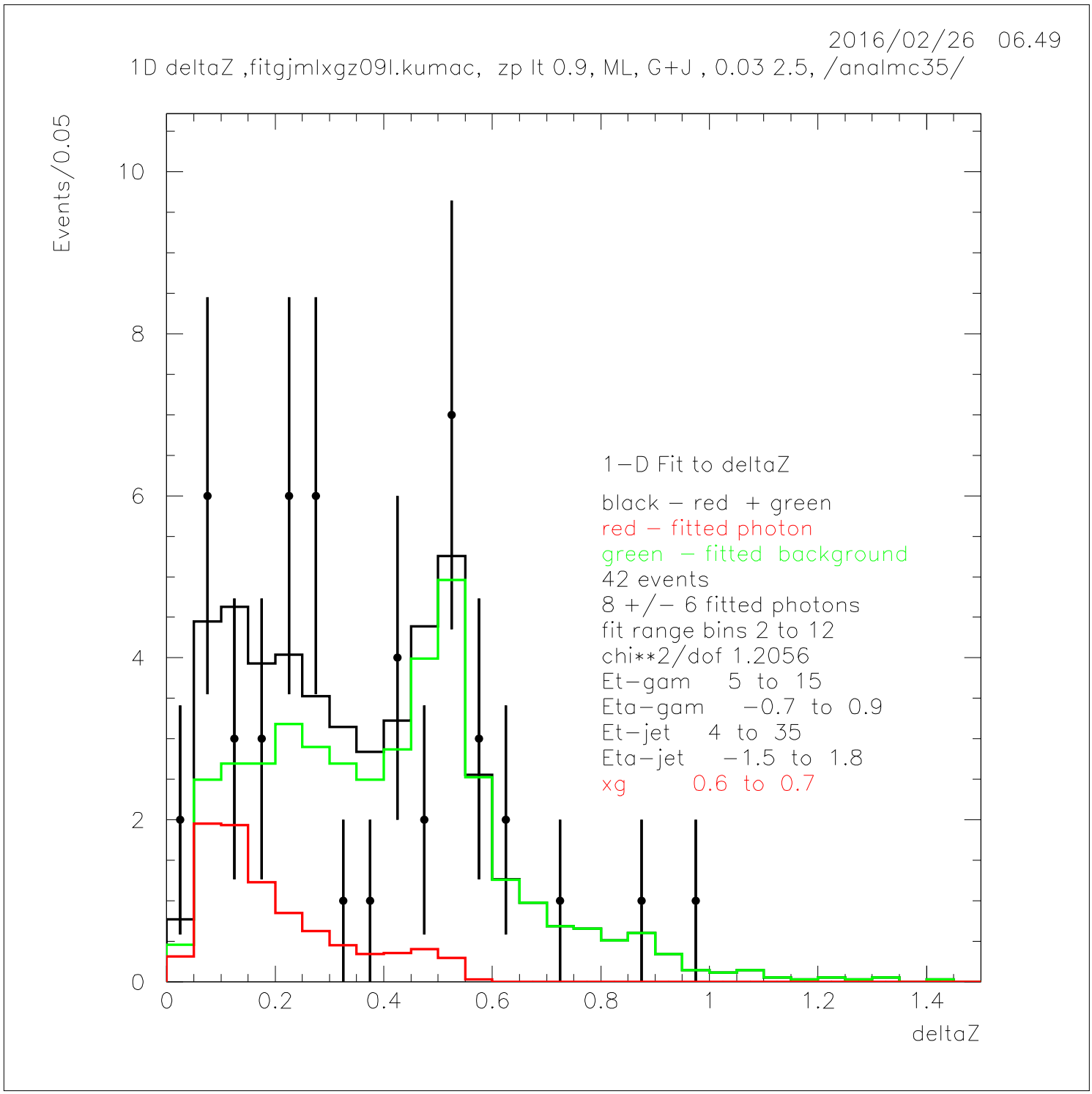
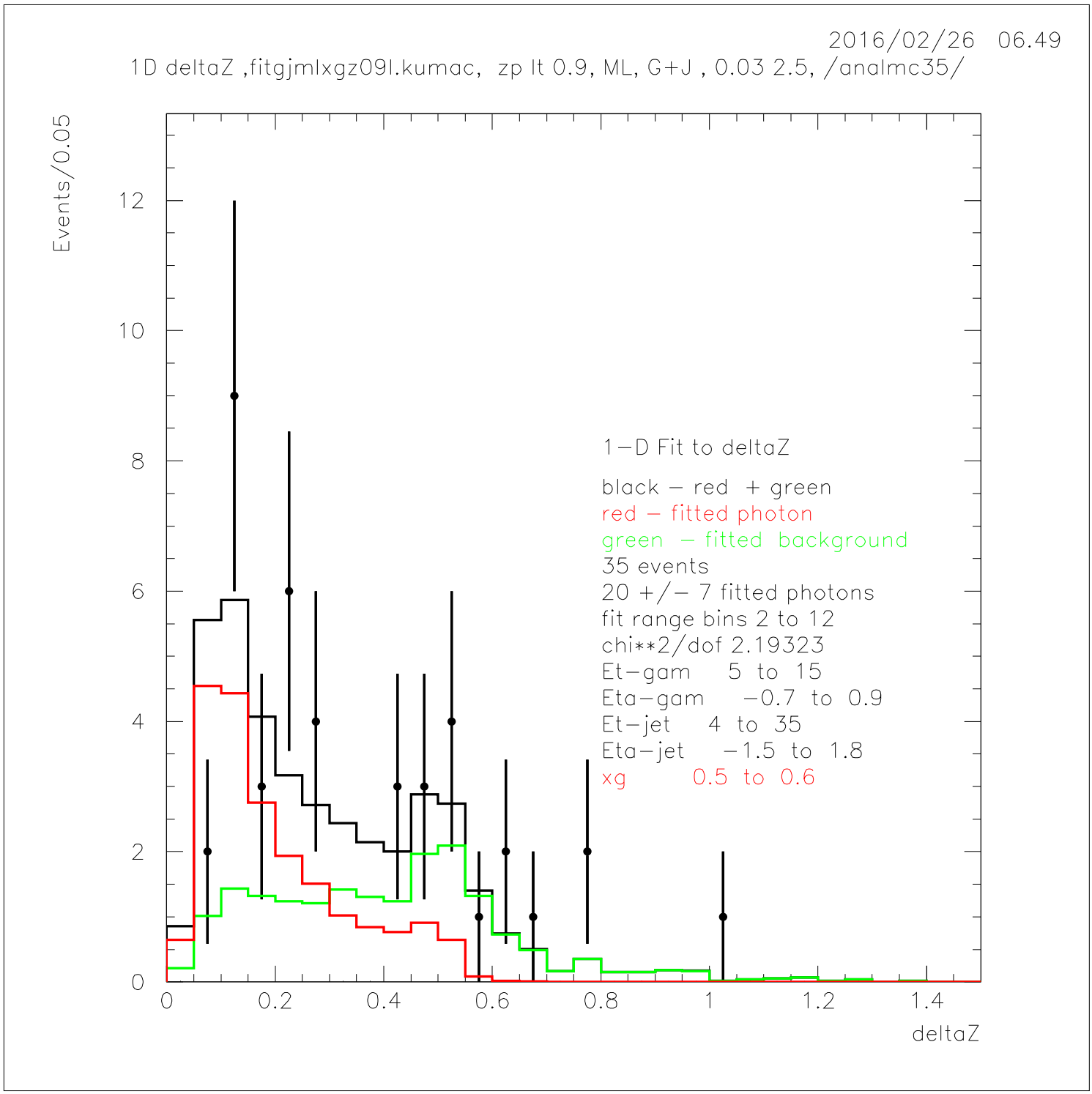
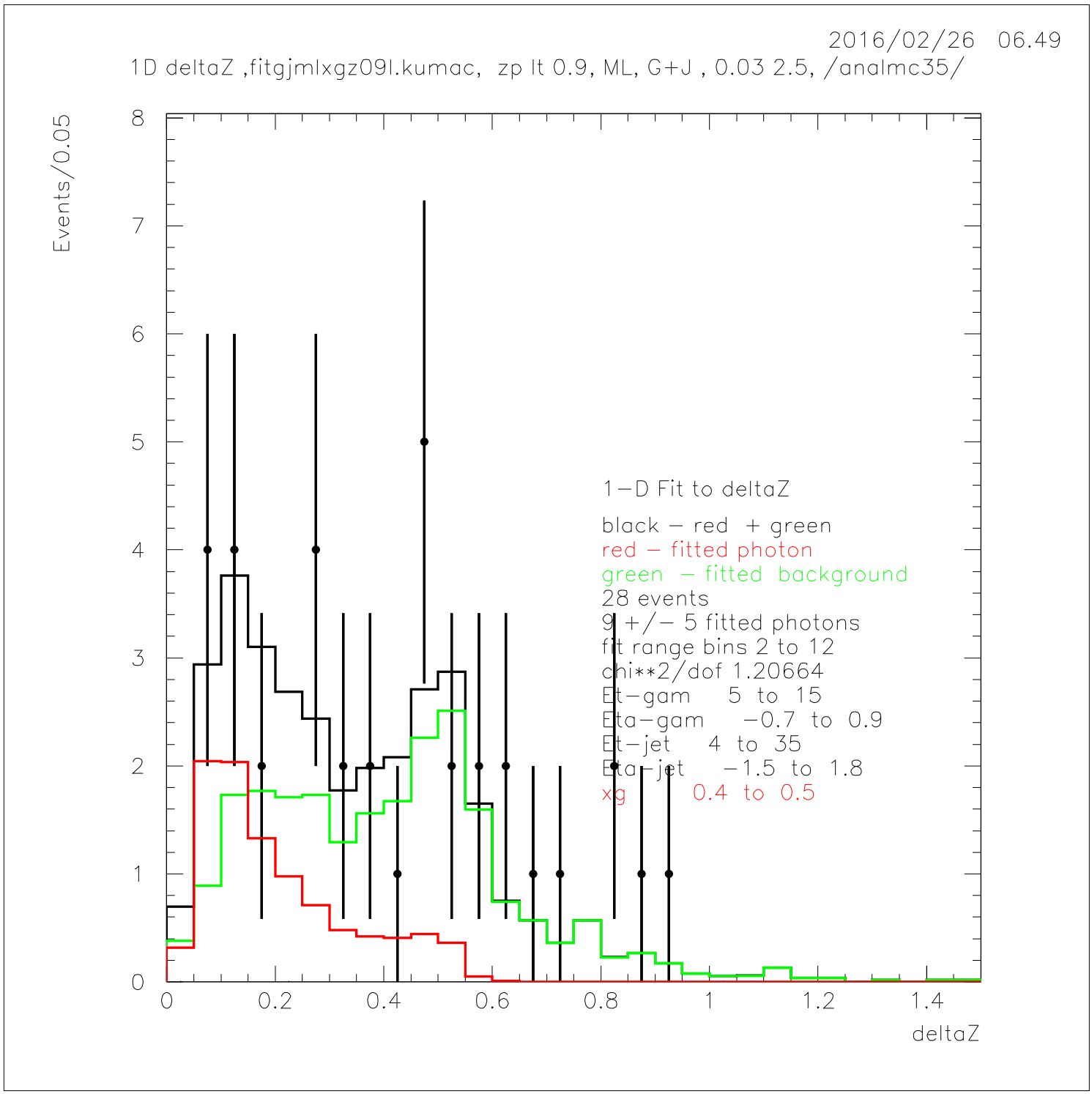

2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
107 events
88 +/− 10 fitted photons
fit range bins 2 to 12
chi**2/dof 1.34799
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.9 to 1


2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
113 events
64 +/− 13 fitted photons
fit range bins 2 to 12
chi**2/dof 1.24796
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.8 to 0.9


2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
81 events
41 +/− 9 fitted photons
fit range bins 2 to 12
chi**2/dof 2.19001
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.7 to 0.8

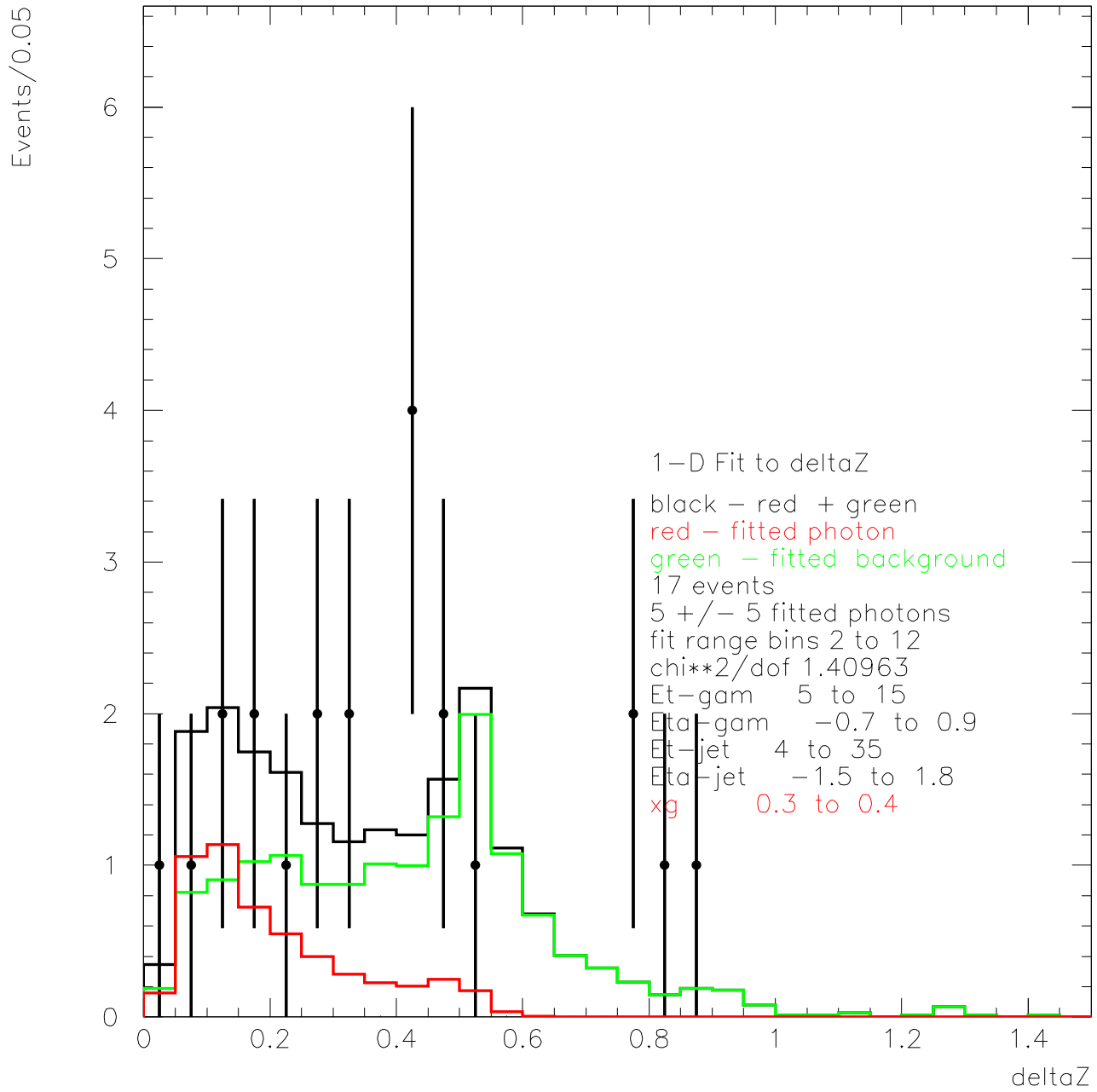

2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
10
8
6
4
2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
42 events
8 +/− 6 fitted photons
fit range bins 2 to 12
chi**2/dof 1.2056
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.6 to 0.7


2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
12
10
8
6
4
2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
35 events
20 +/− 7 fitted photons
fit range bins 2 to 12
chi**2/dof 2.19323
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.5 to 0.6


2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
28 events
9 +/− 5 fitted photons
fit range bins 2 to 12
chi**2/dof 1.20664
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.4 to 0.5

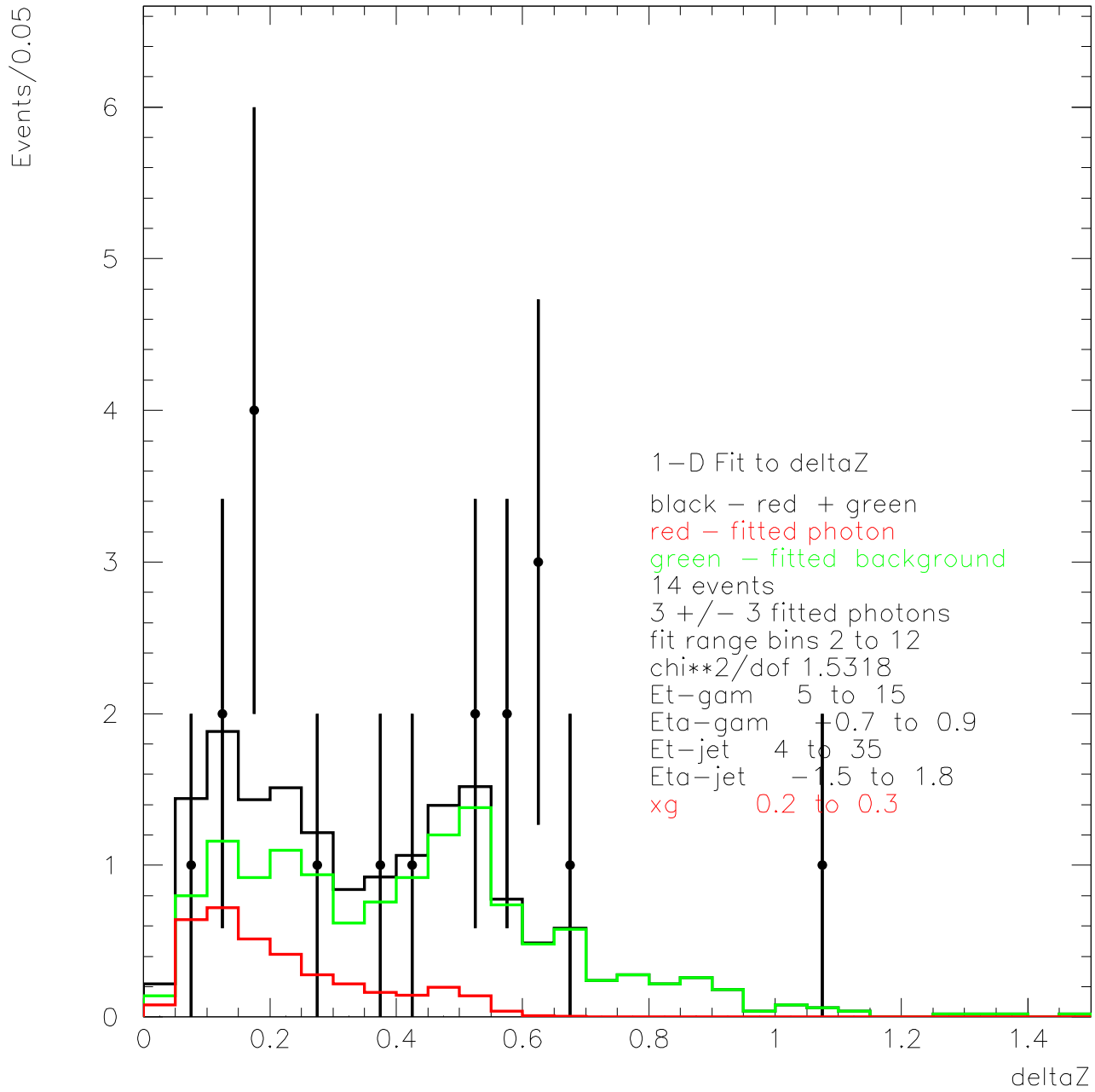
2016/02/26 06.49

1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/



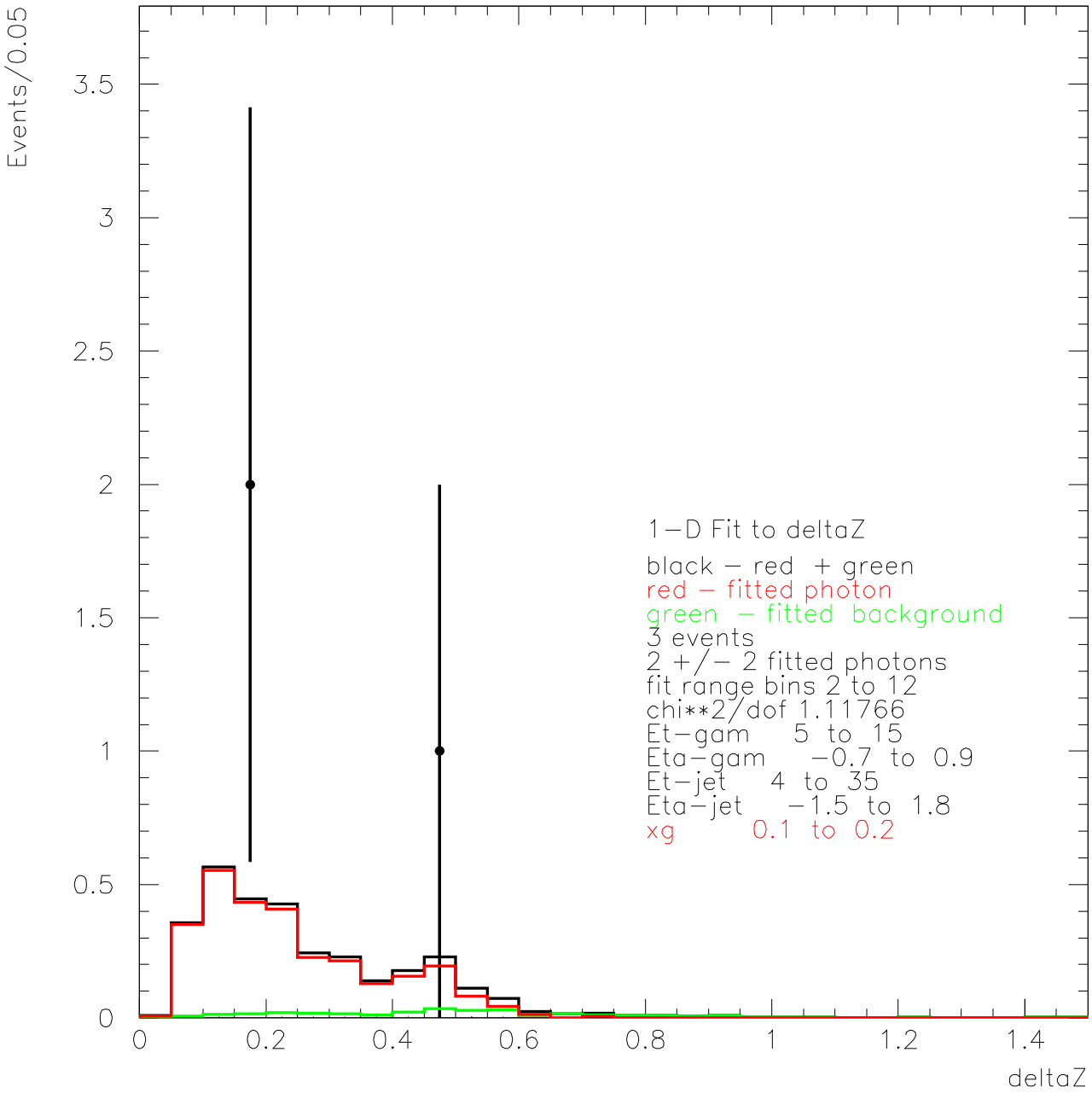
2016/02/26 06.49

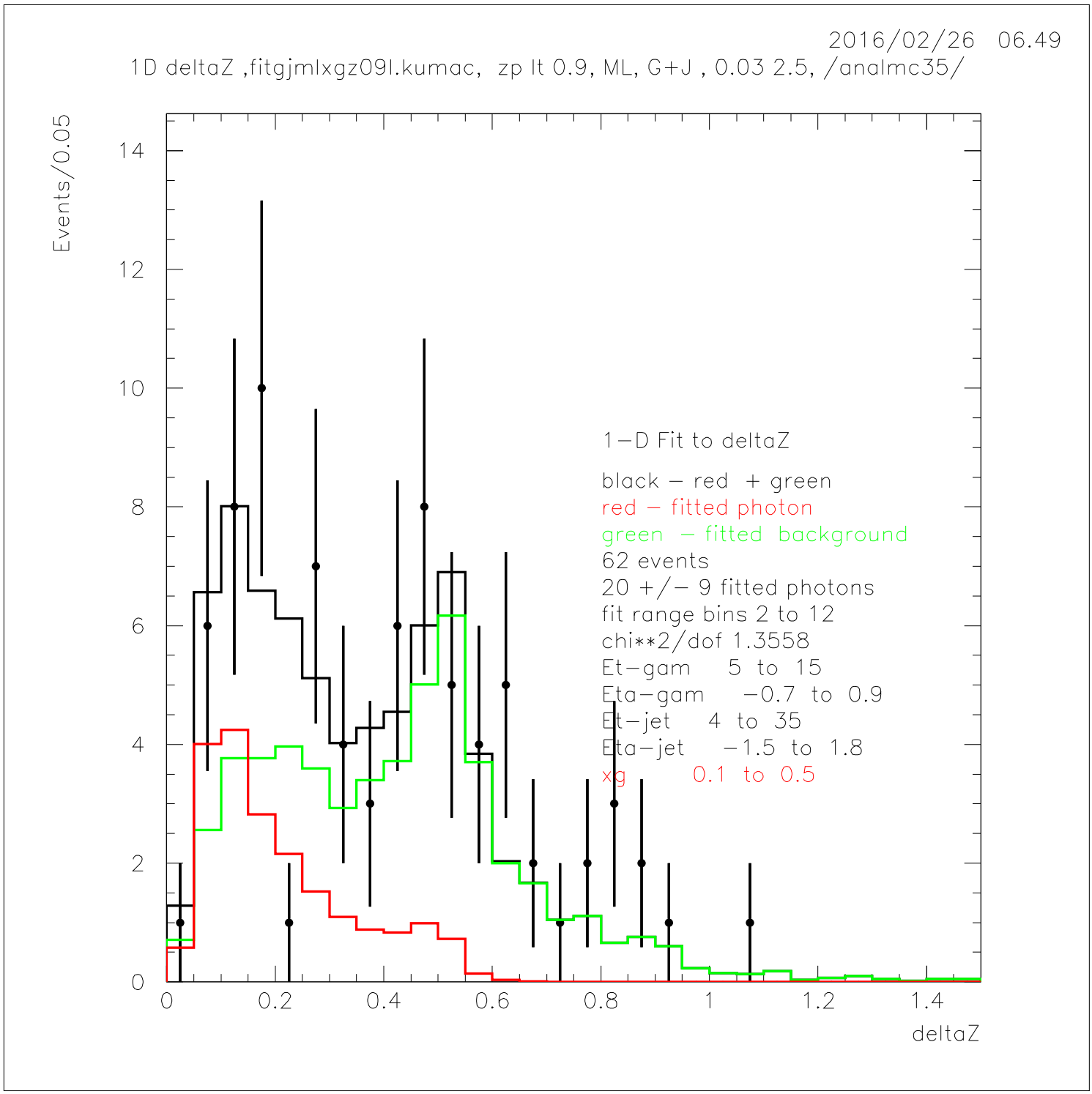
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

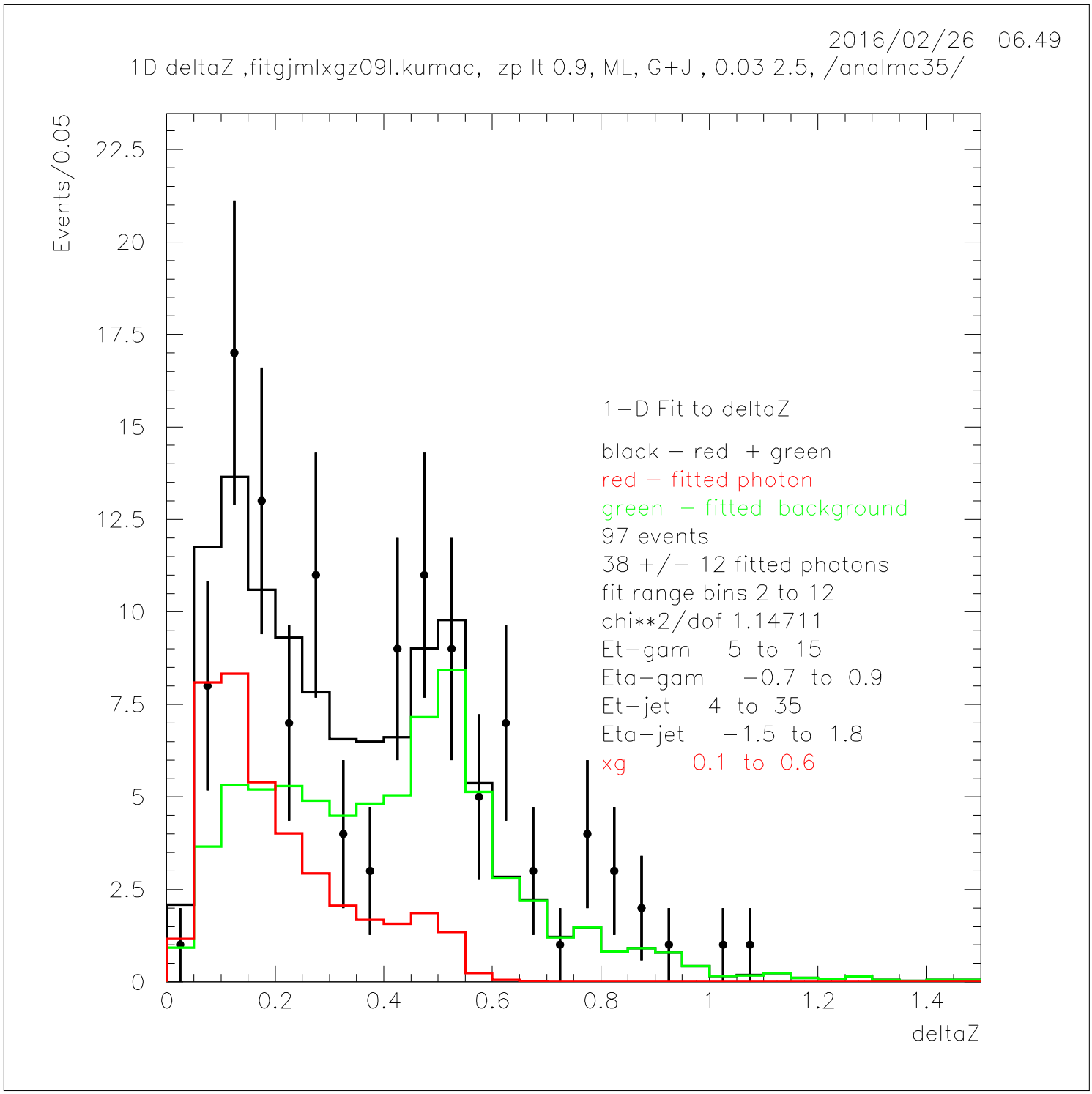


2016/02/26 06.49

1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

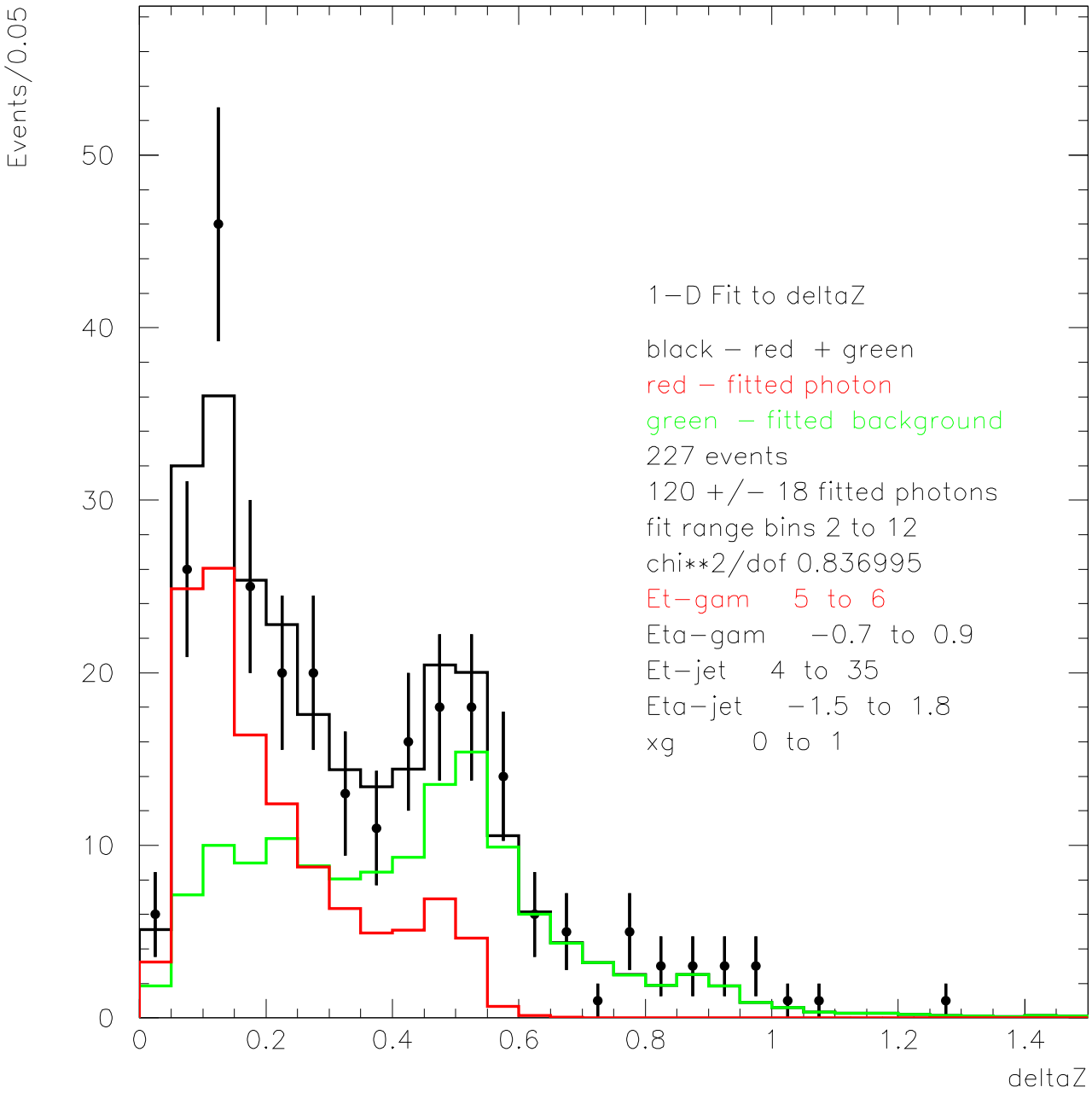


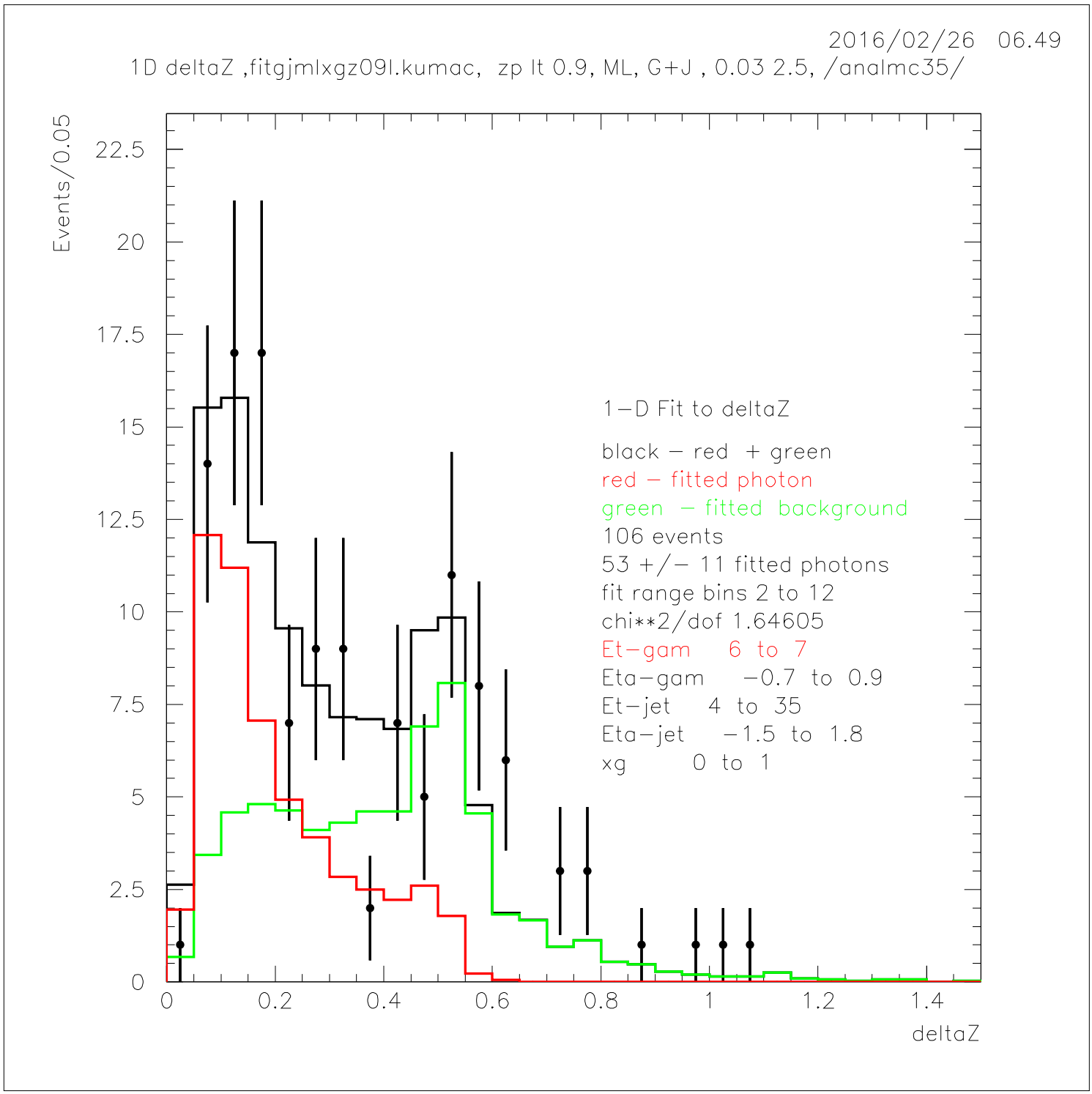

2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
62 events
20 +/− 9 fitted photons
fit range bins 2 to 12
chi**2/dof 1.3558
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.1 to 0.5


2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
97 events
38 +/− 12 fitted photons
fit range bins 2 to 12
chi**2/dof 1.14711
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0.1 to 0.6

2016/02/26 06.49

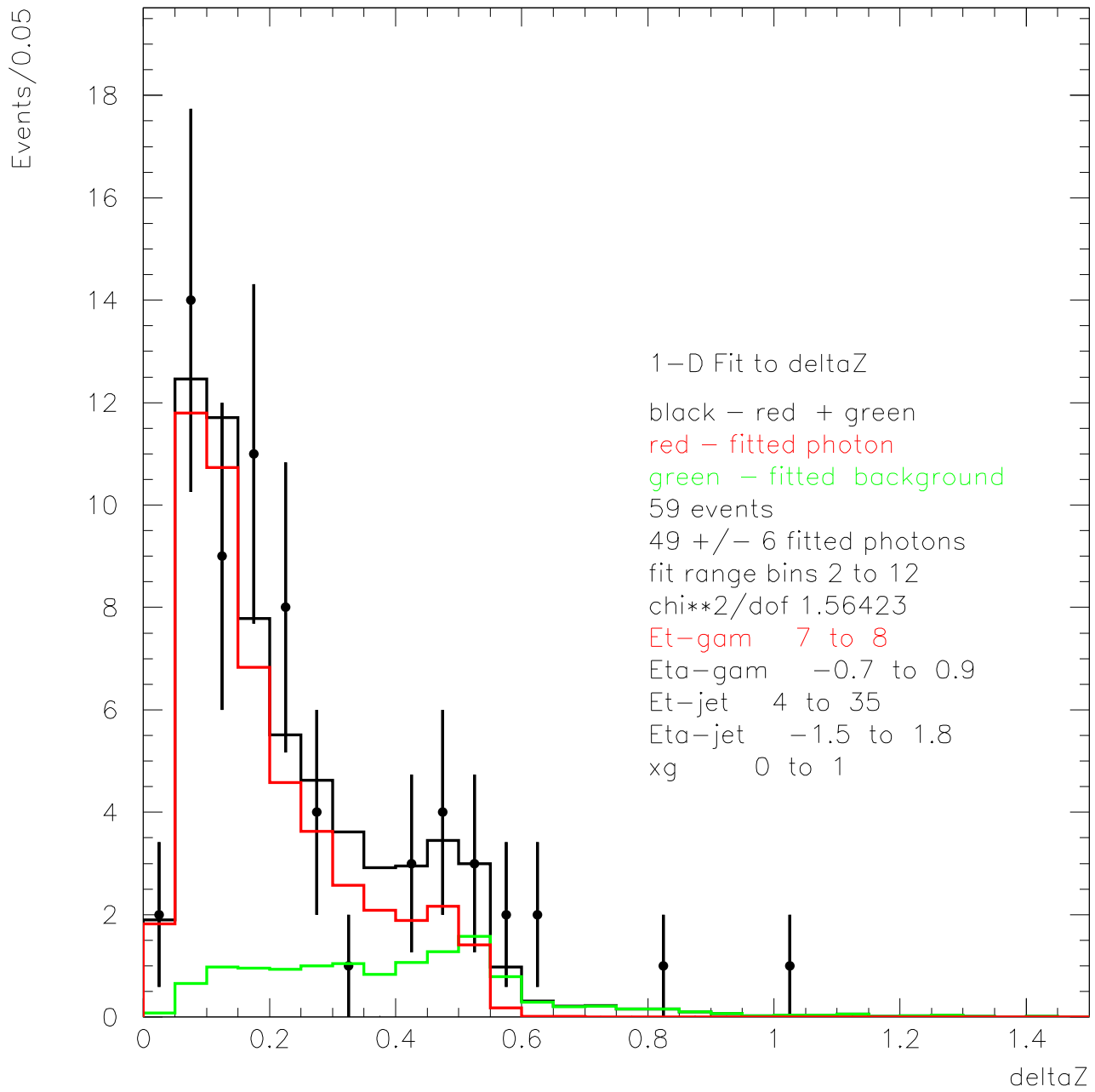
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/




2016/02/26 06.49
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
106 events
53 +/− 11 fitted photons
fit range bins 2 to 12
chi**2/dof 1.64605
Et−gam 6 to 7
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1

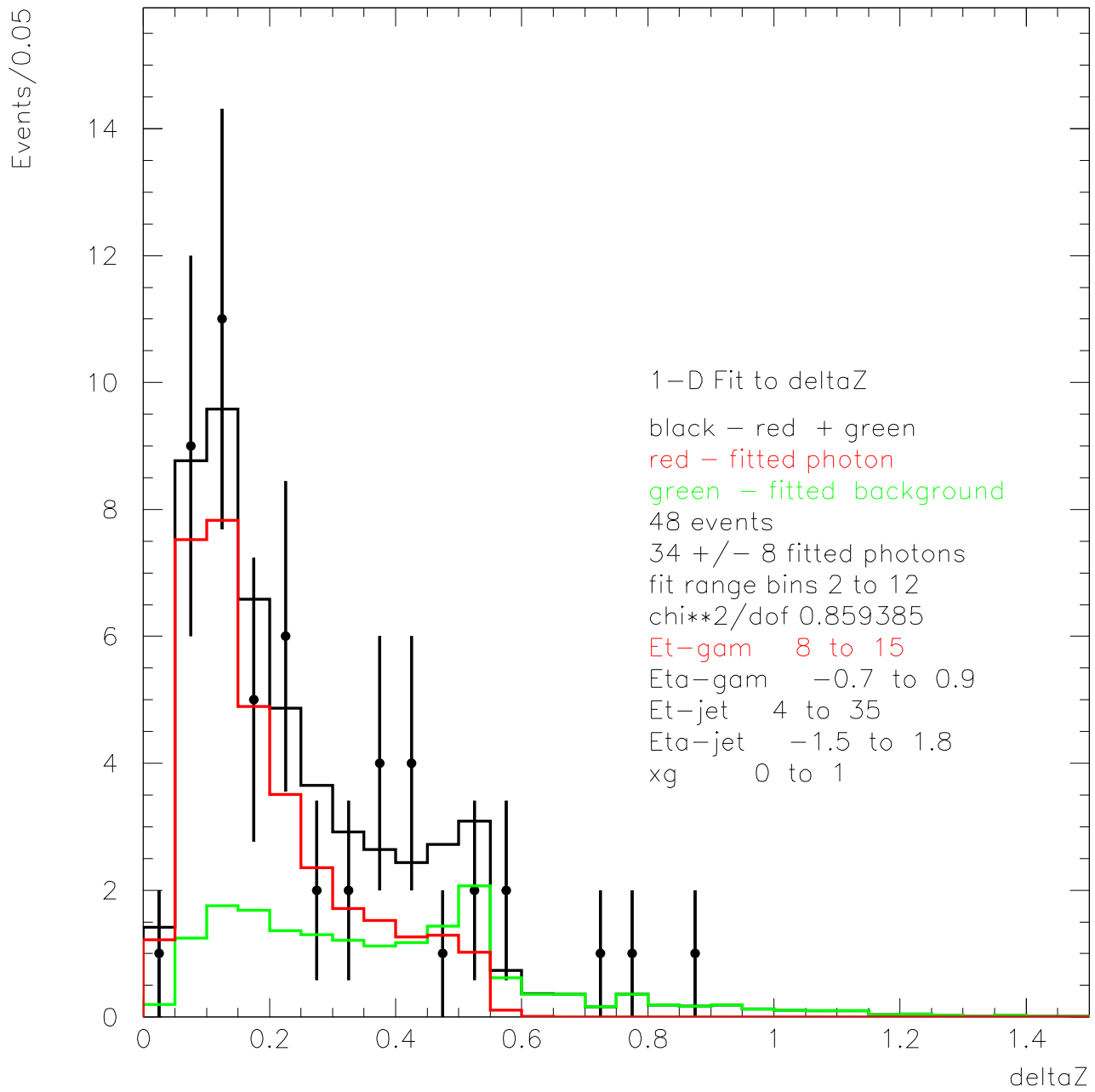
2016/02/26 06.49

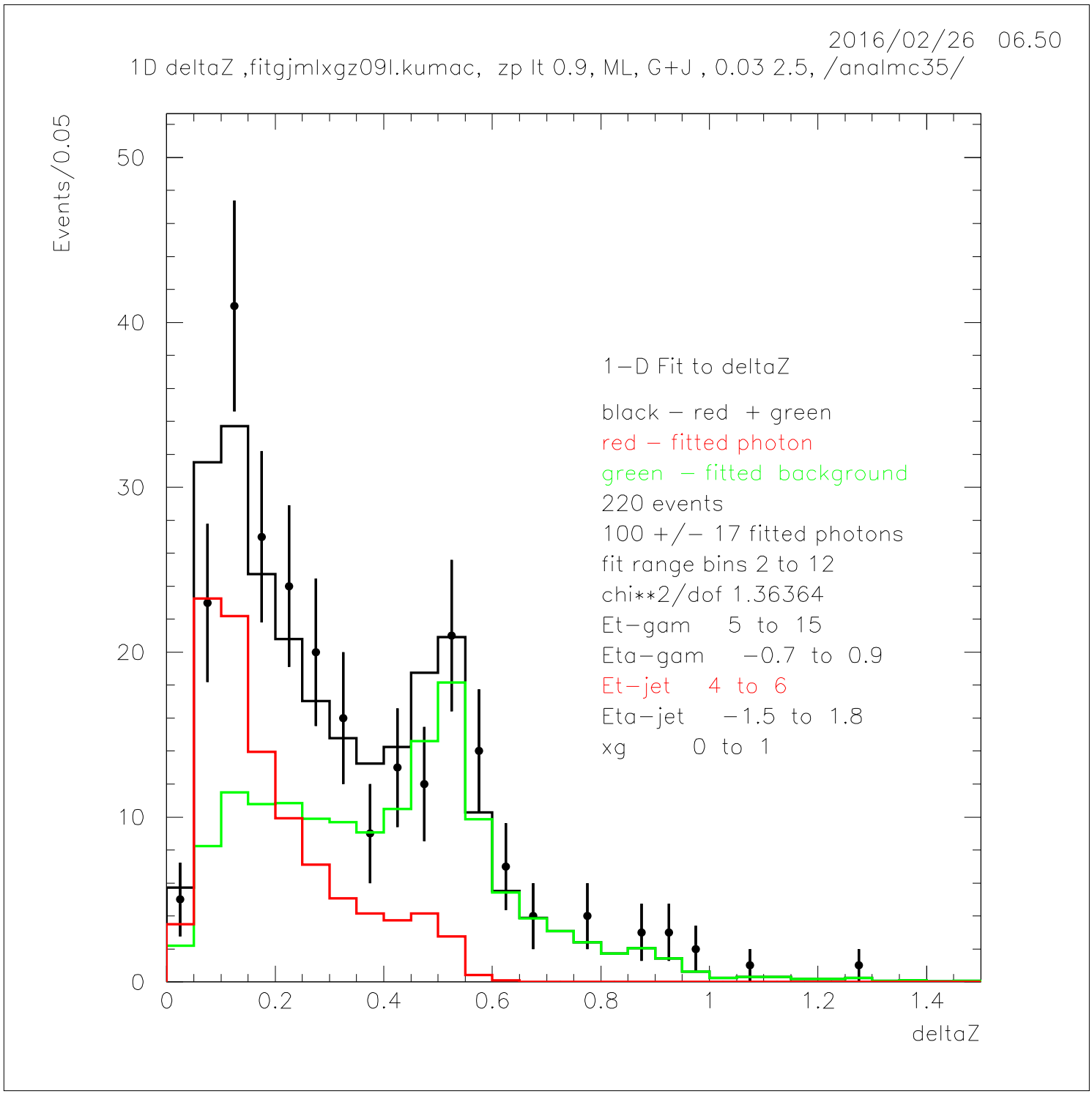
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

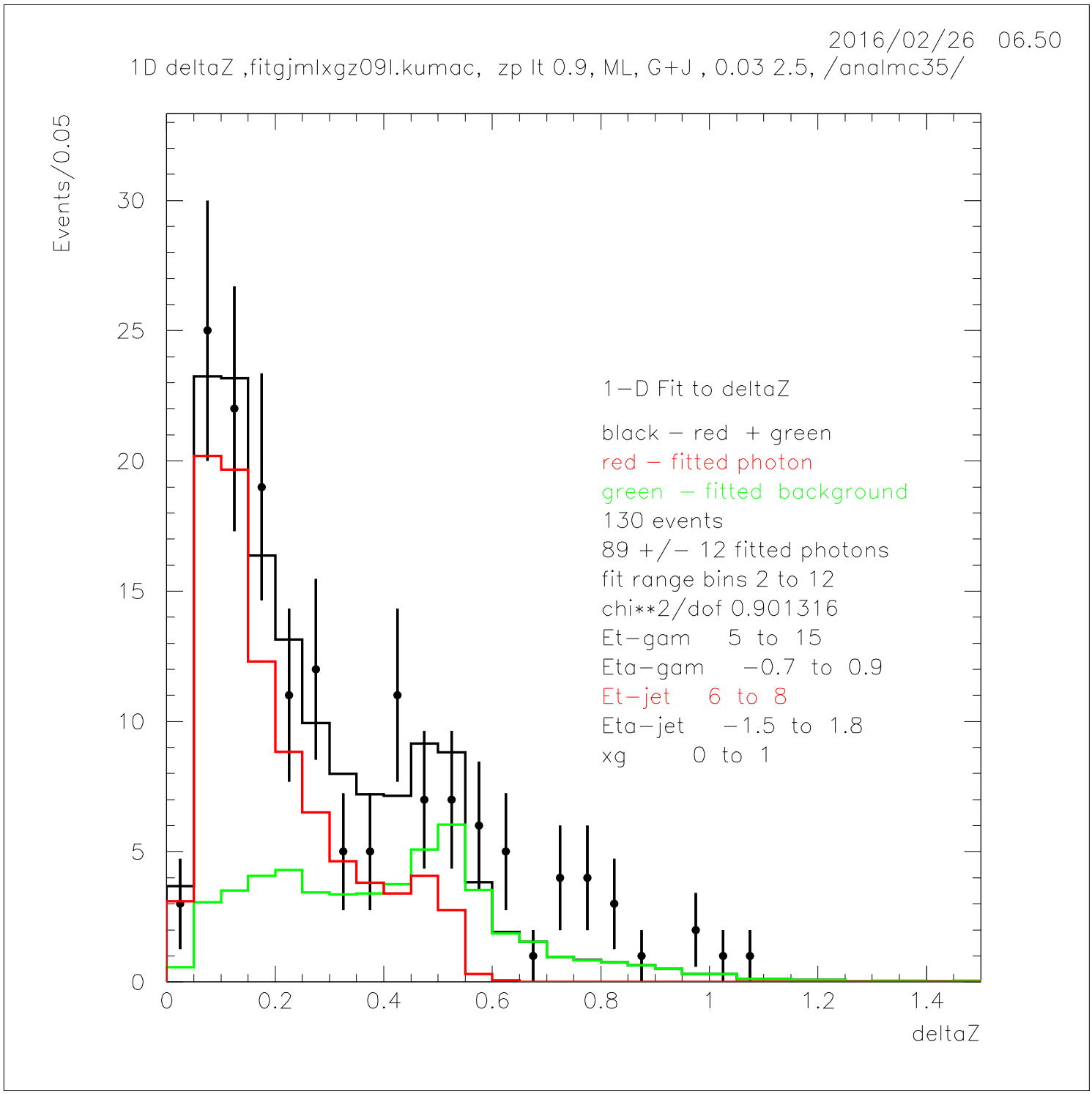


2016/02/26 06.50

1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

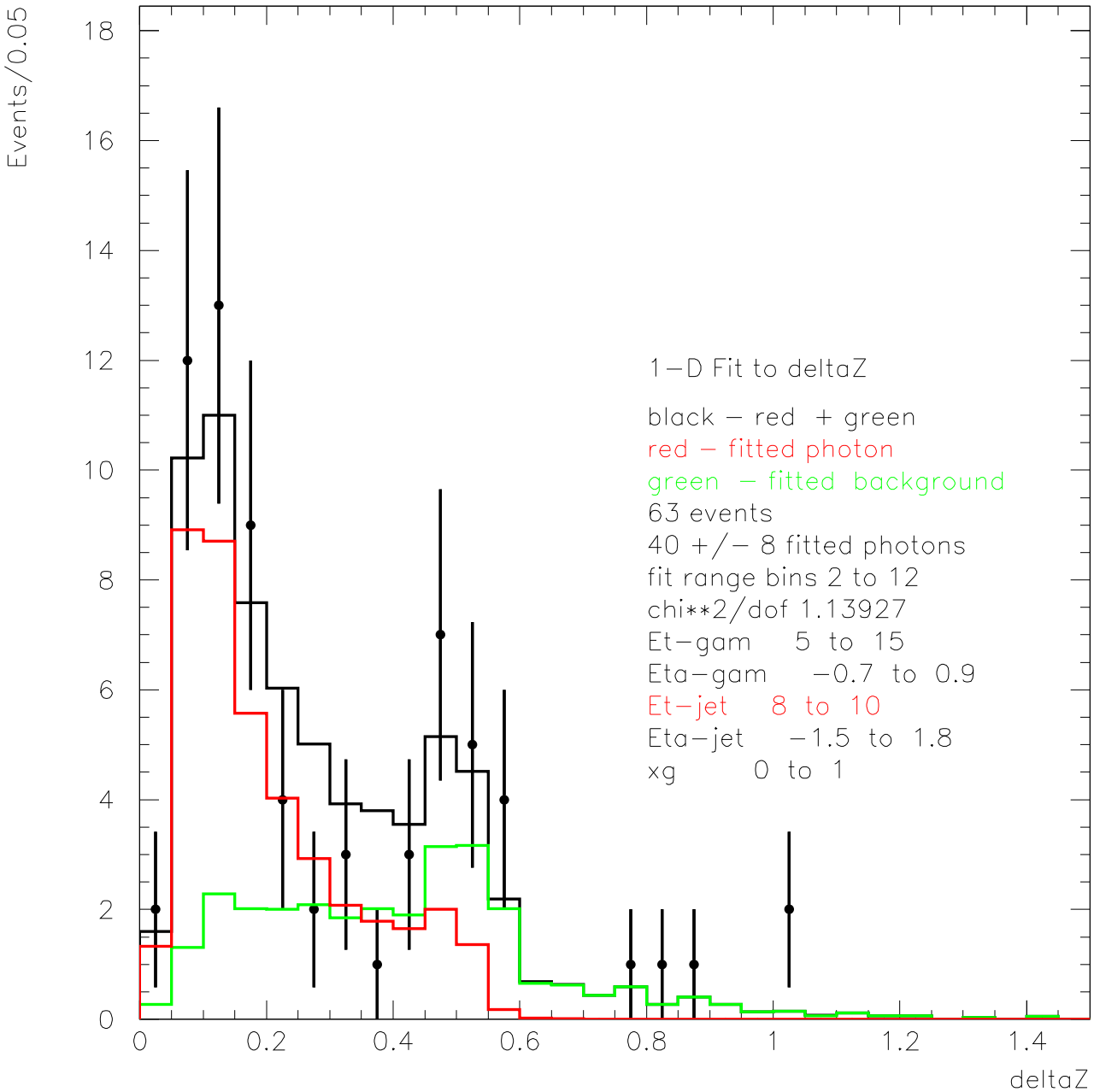



2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
50
40
30
20
10
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
220 events
100 +/− 17 fitted photons
fit range bins 2 to 12
chi**2/dof 1.36364
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 6
Eta−jet −1.5 to 1.8
xg 0 to 1


2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
130 events
89 +/− 12 fitted photons
fit range bins 2 to 12
chi**2/dof 0.901316
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 6 to 8
Eta−jet −1.5 to 1.8
xg 0 to 1

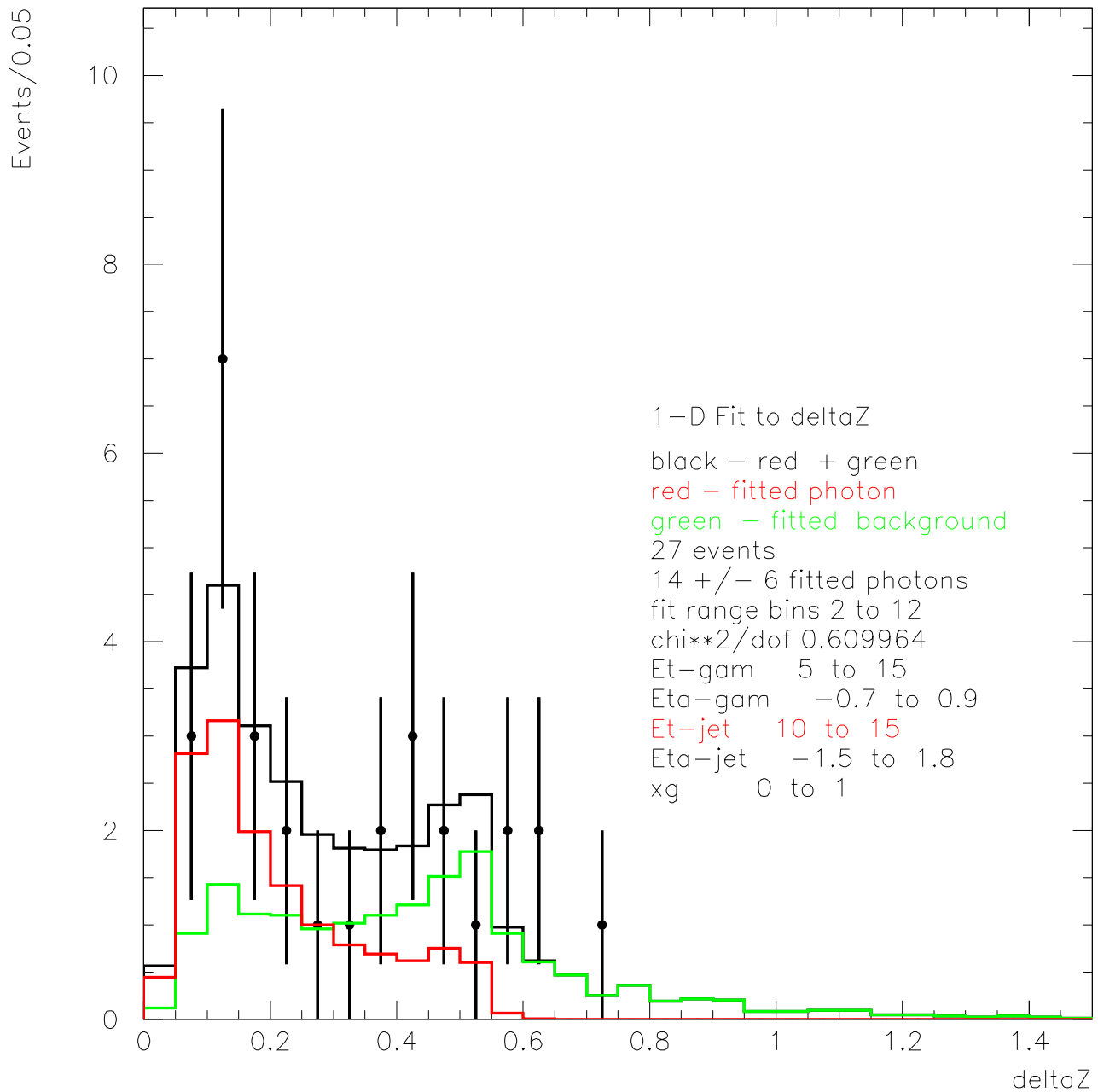
2016/02/26 06.50

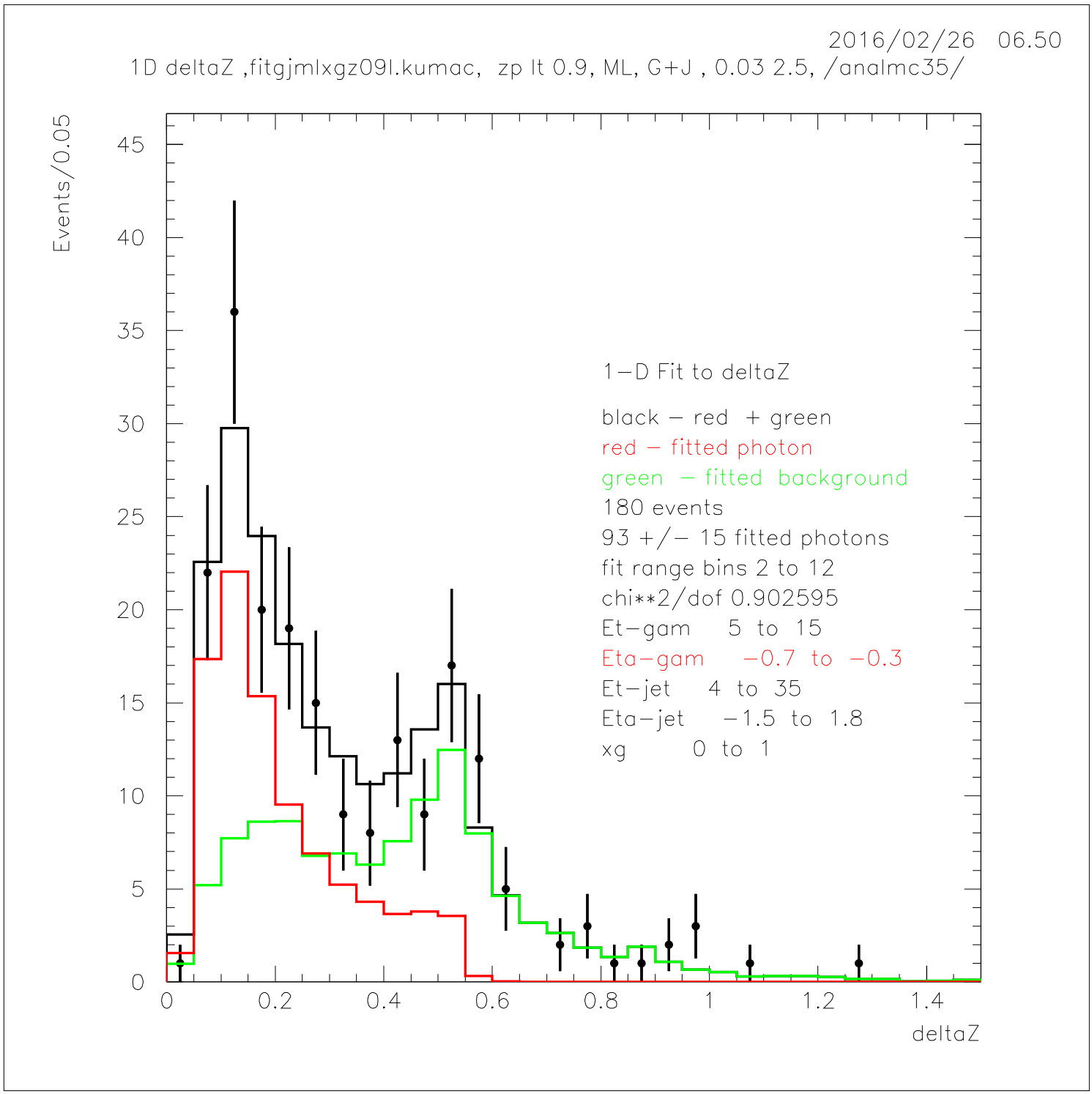
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

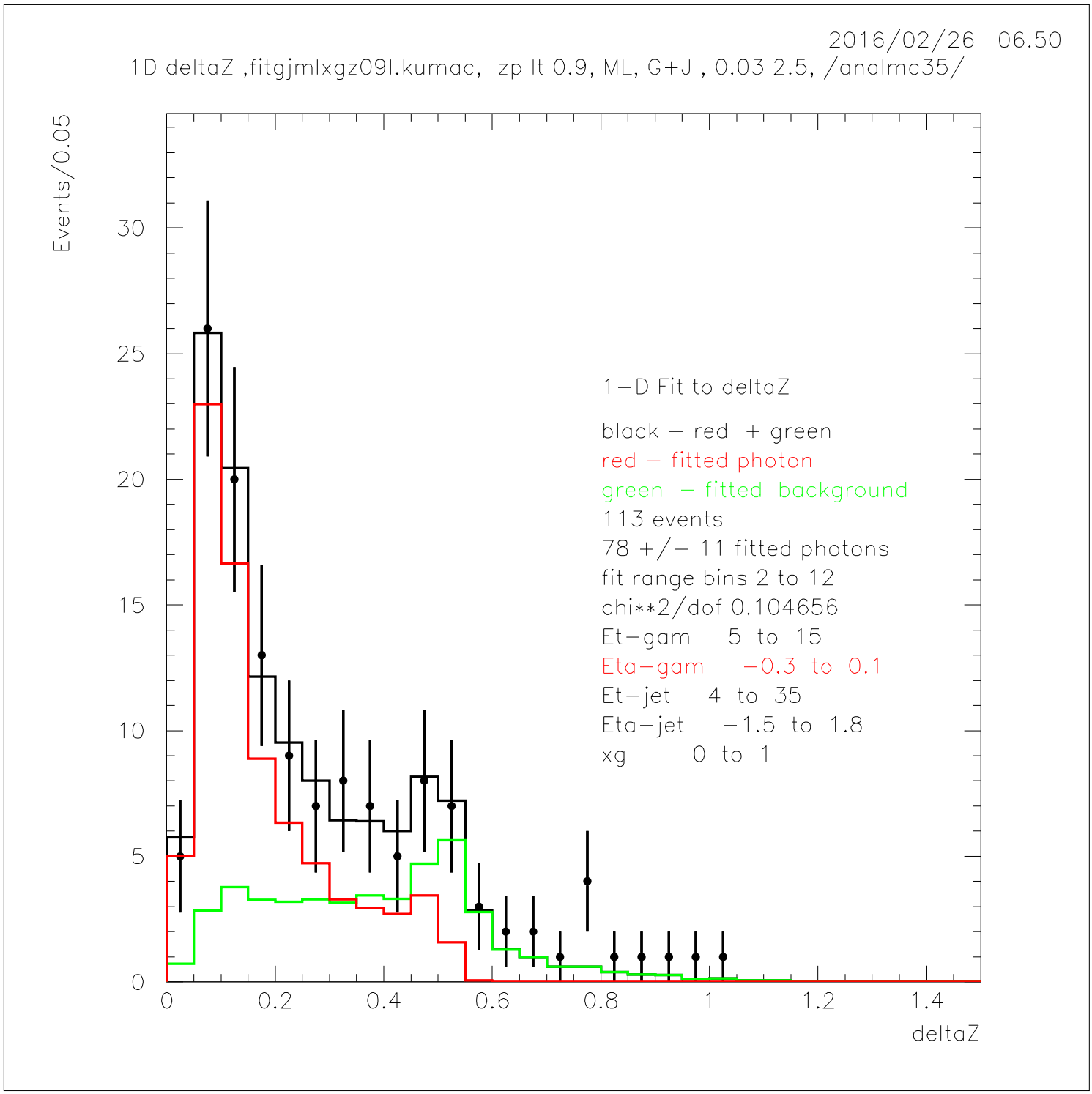


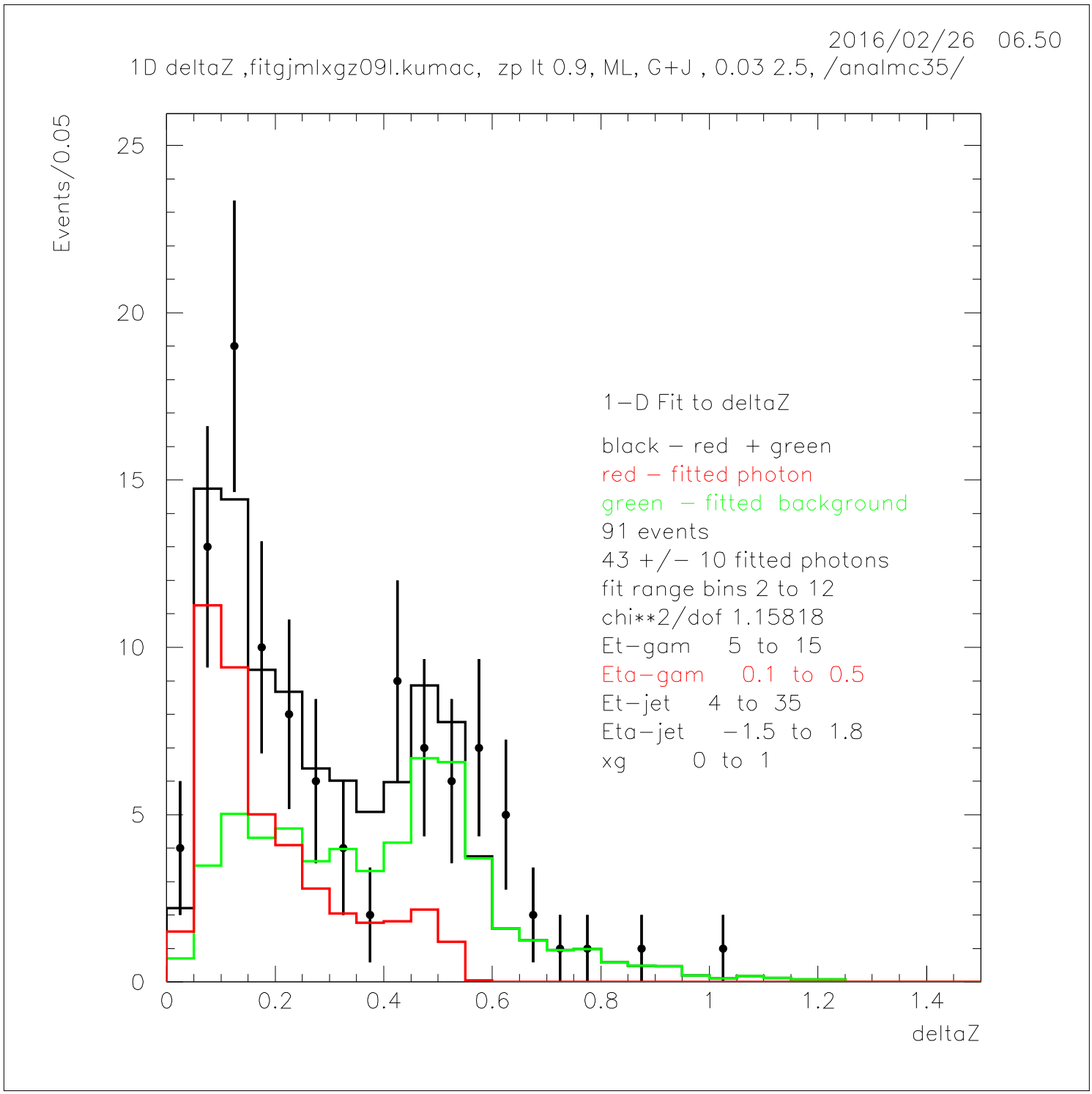
2016/02/26 06.50

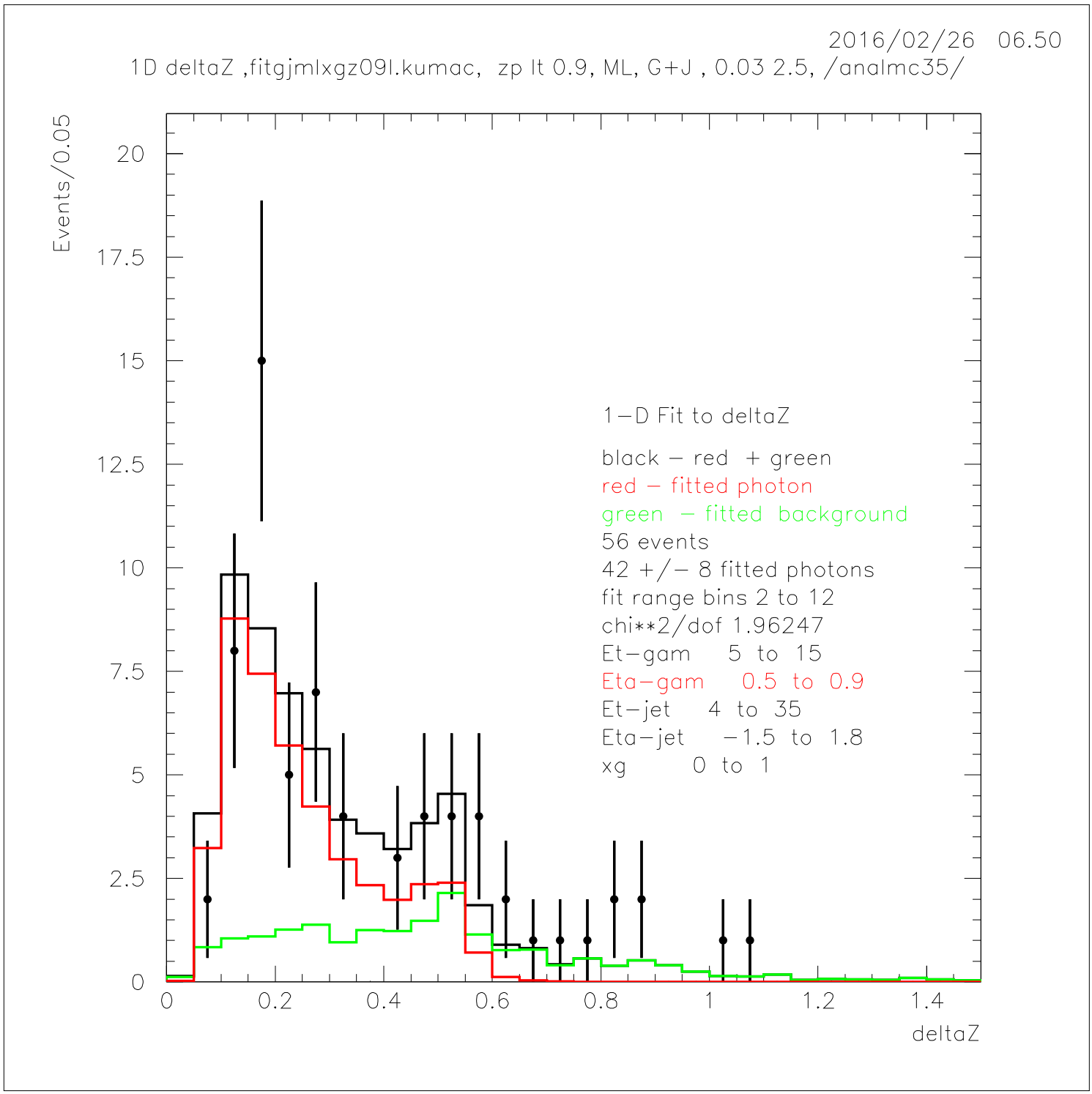
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/

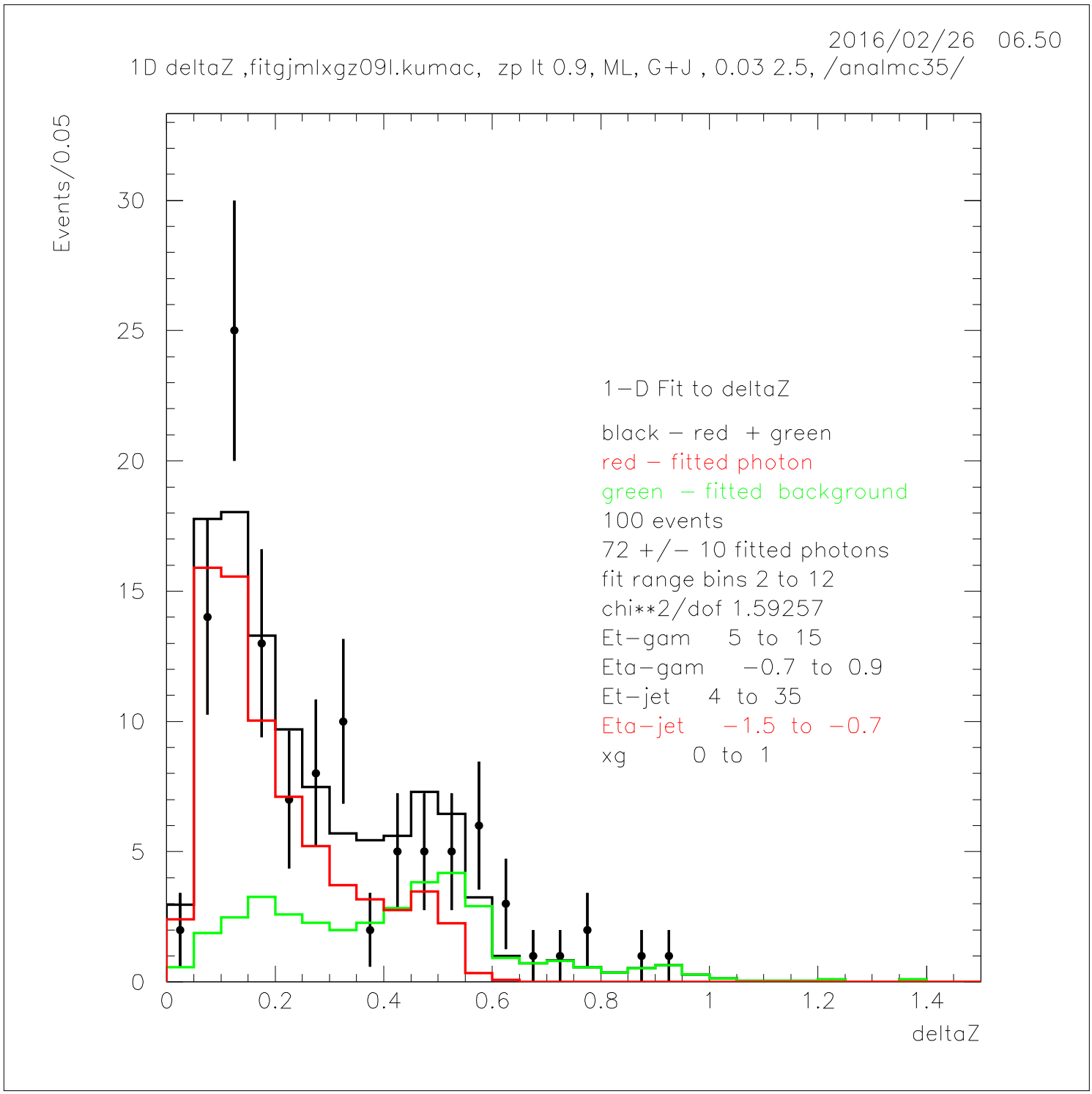


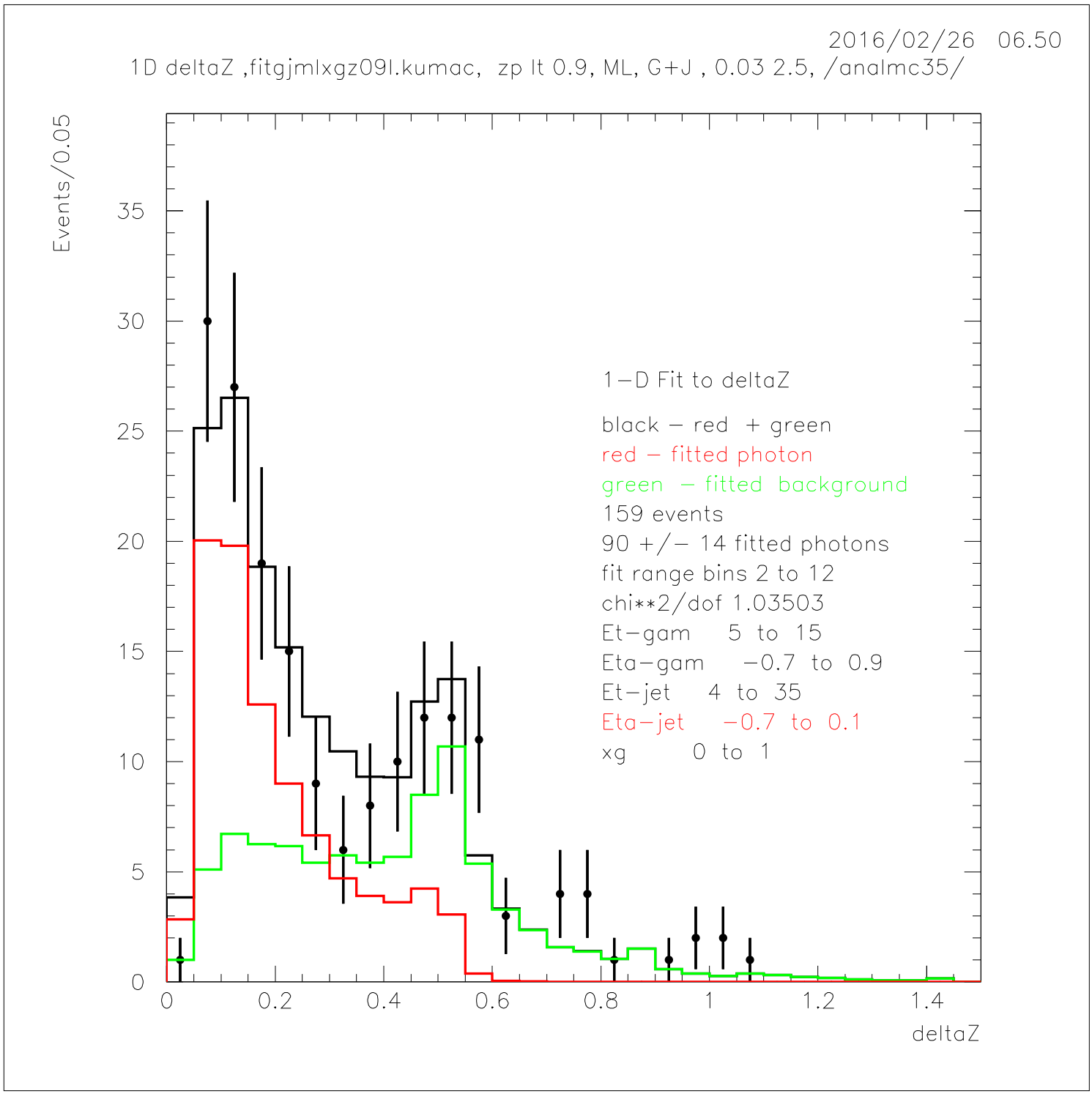

2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
180 events
93 +/− 15 fitted photons
fit range bins 2 to 12
chi**2/dof 0.902595
Et−gam 5 to 15
Eta−gam −0.7 to −0.3
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1

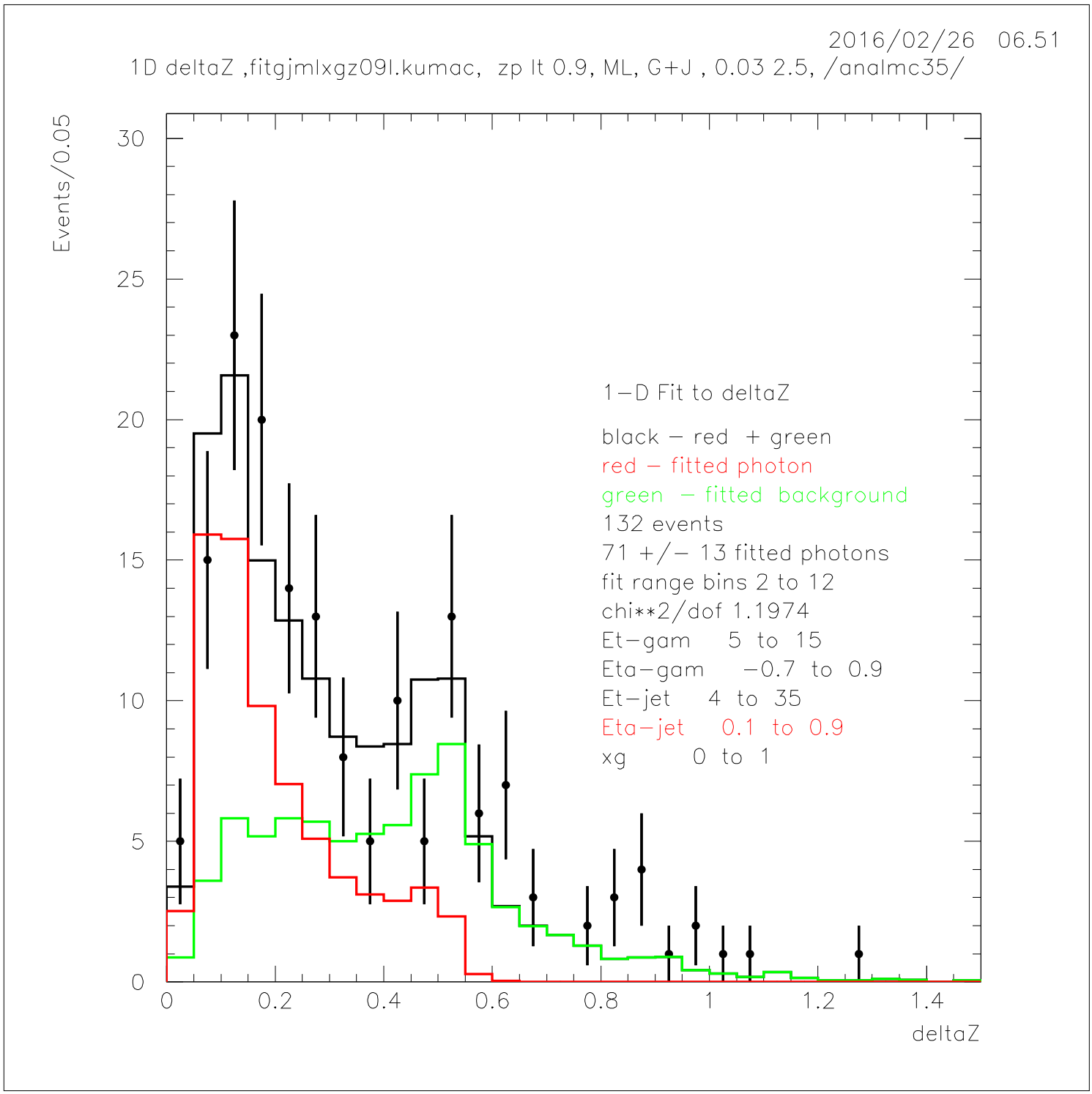

2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
113 events
78 +/− 11 fitted photons
fit range bins 2 to 12
chi**2/dof 0.104656
Et−gam 5 to 15
Eta−gam −0.3 to 0.1
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1

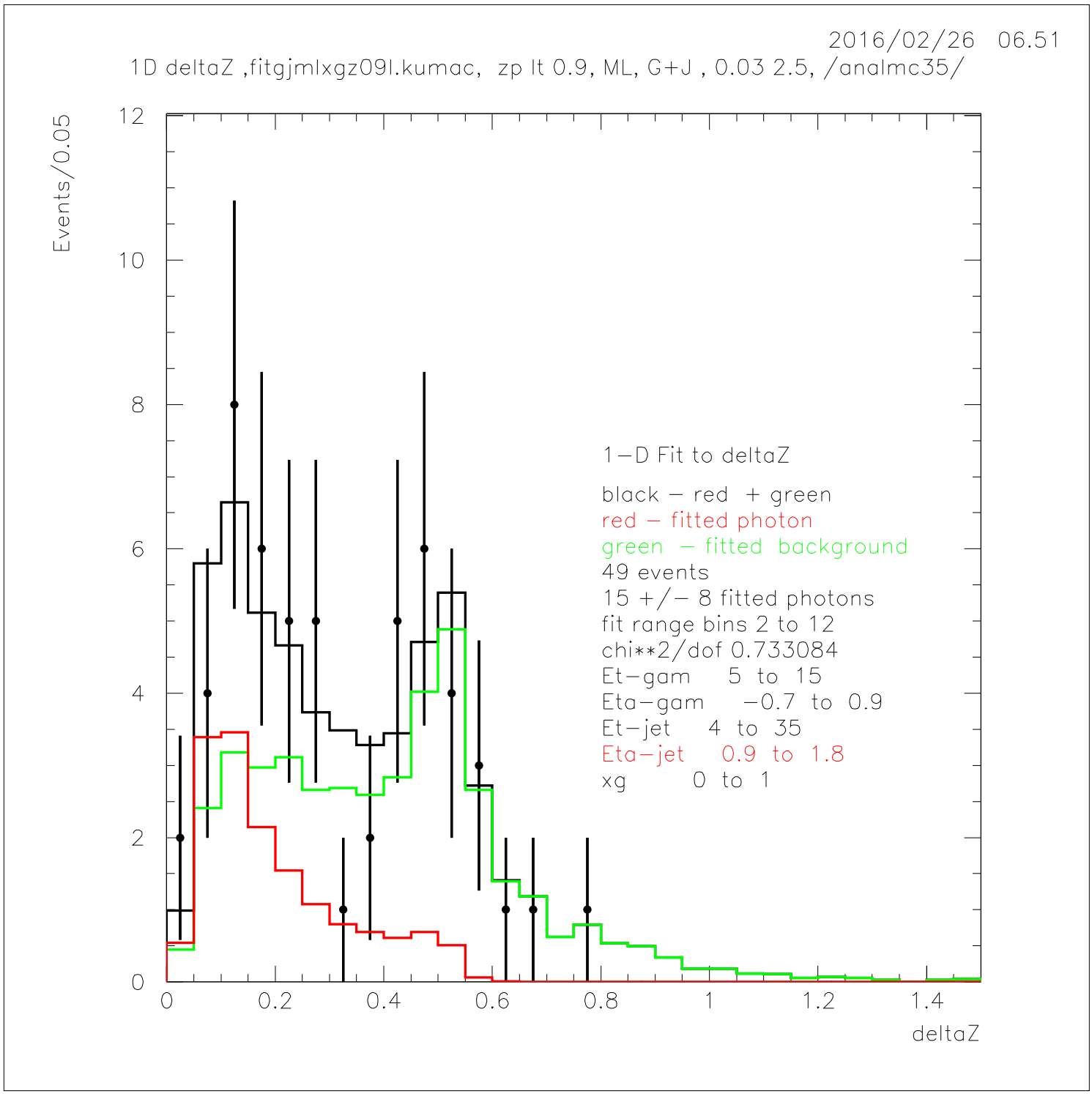

2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
91 events
43 +/− 10 fitted photons
fit range bins 2 to 12
chi**2/dof 1.15818
Et−gam 5 to 15
Eta−gam 0.1 to 0.5
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1

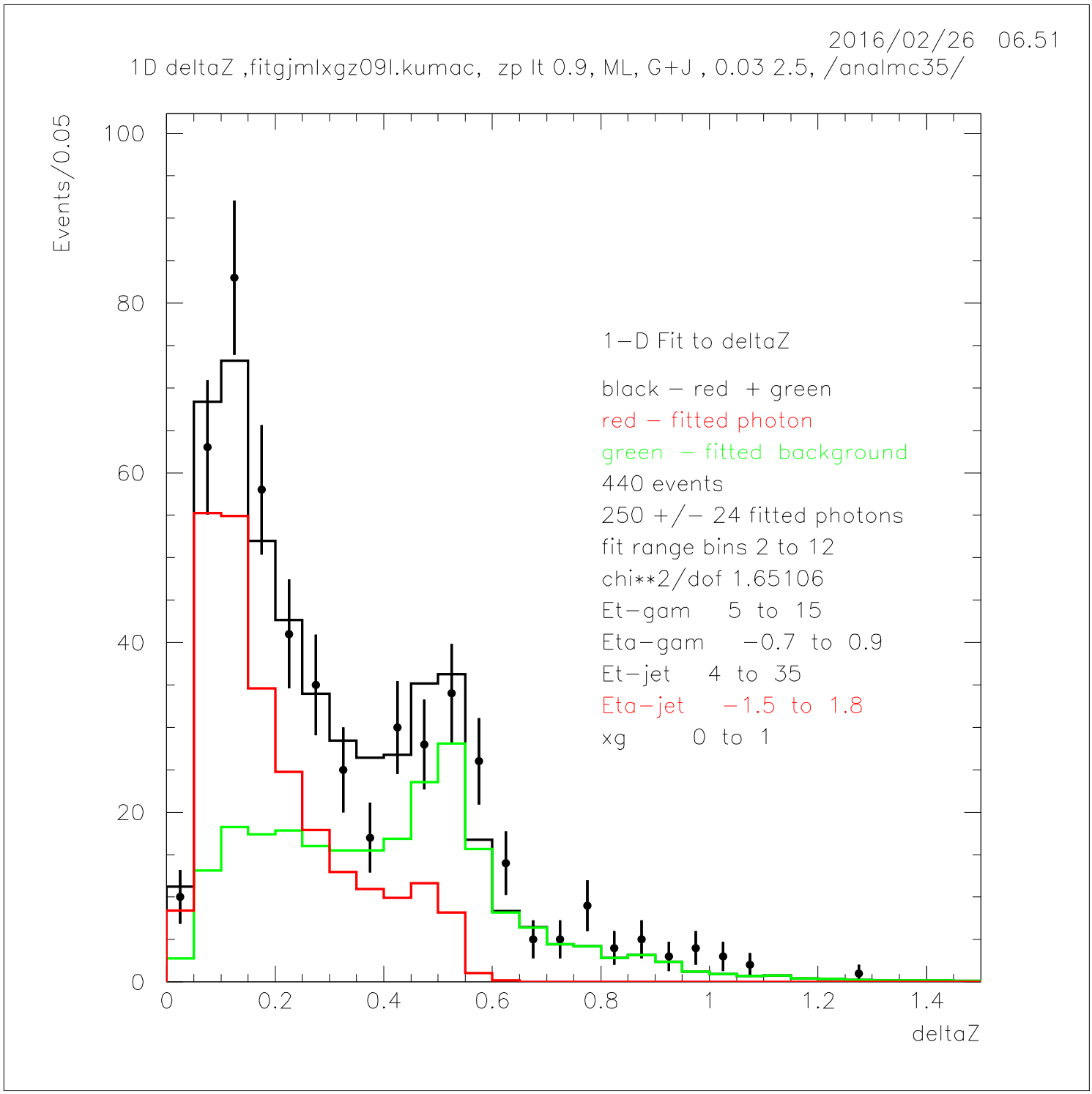

2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
20
17.5
15
12.5
10
7.5
5
2.5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
56 events
42 +/− 8 fitted photons
fit range bins 2 to 12
chi**2/dof 1.96247
Et−gam 5 to 15
Eta−gam 0.5 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1


2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
100 events
72 +/− 10 fitted photons
fit range bins 2 to 12
chi**2/dof 1.59257
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to −0.7
xg 0 to 1


2016/02/26 06.50
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
35
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
159 events
90 +/− 14 fitted photons
fit range bins 2 to 12
chi**2/dof 1.03503
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −0.7 to 0.1
xg 0 to 1


2016/02/26 06.51
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
132 events
71 +/− 13 fitted photons
fit range bins 2 to 12
chi**2/dof 1.1974
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet 0.1 to 0.9
xg 0 to 1


2016/02/26 06.51
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
12
10
8
6
4
2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
49 events
15 +/− 8 fitted photons
fit range bins 2 to 12
chi**2/dof 0.733084
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet 0.9 to 1.8
xg 0 to 1


2016/02/26 06.51
1D deltaZ ,fitgjmlxgz09l.kumac, zp lt 0.9, ML, G+J , 0.03 2.5, /analmc35/
Events/0.05
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ
1−D Fit to deltaZ
black − red + green
red − fitted photon
green − fitted background
440 events
250 +/− 24 fitted photons
fit range bins 2 to 12
chi**2/dof 1.65106
Et−gam 5 to 15
Eta−gam −0.7 to 0.9
Et−jet 4 to 35
Eta−jet −1.5 to 1.8
xg 0 to 1