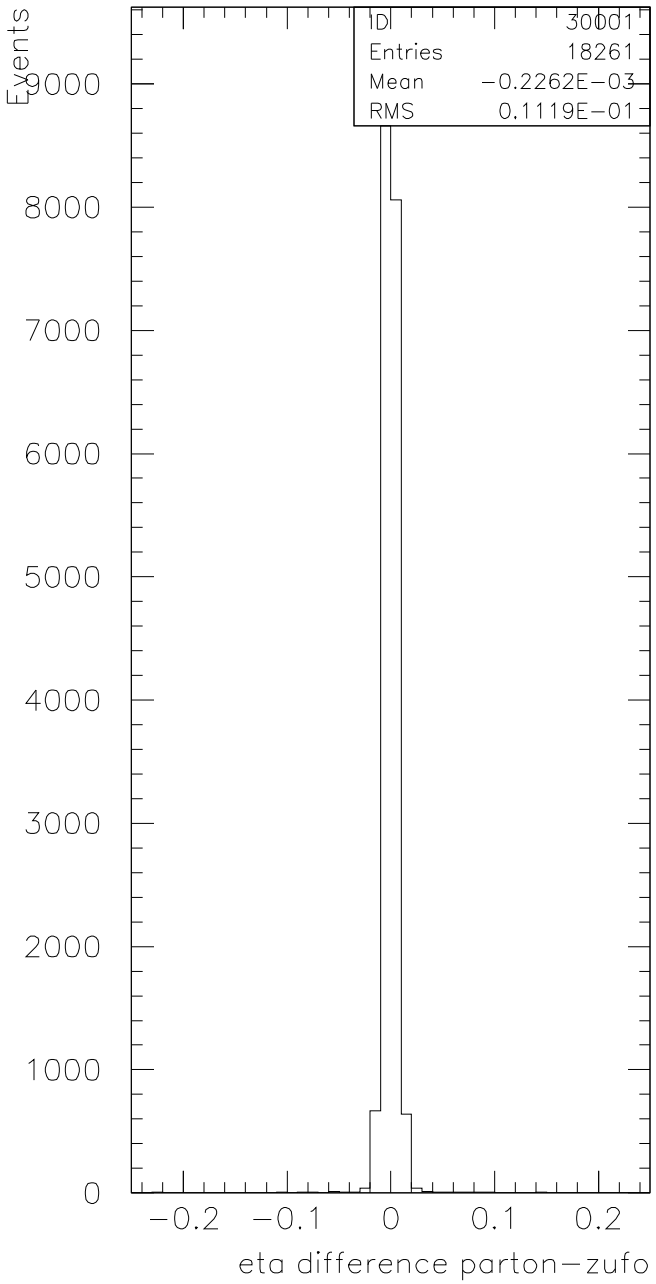
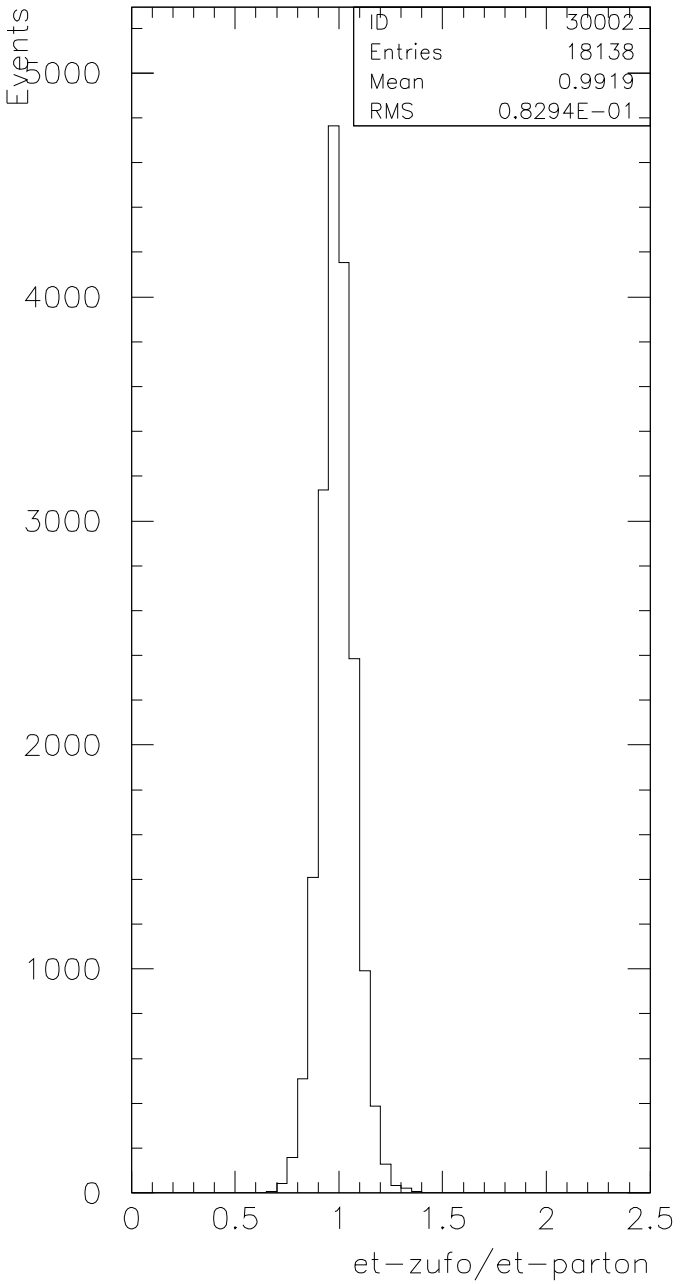
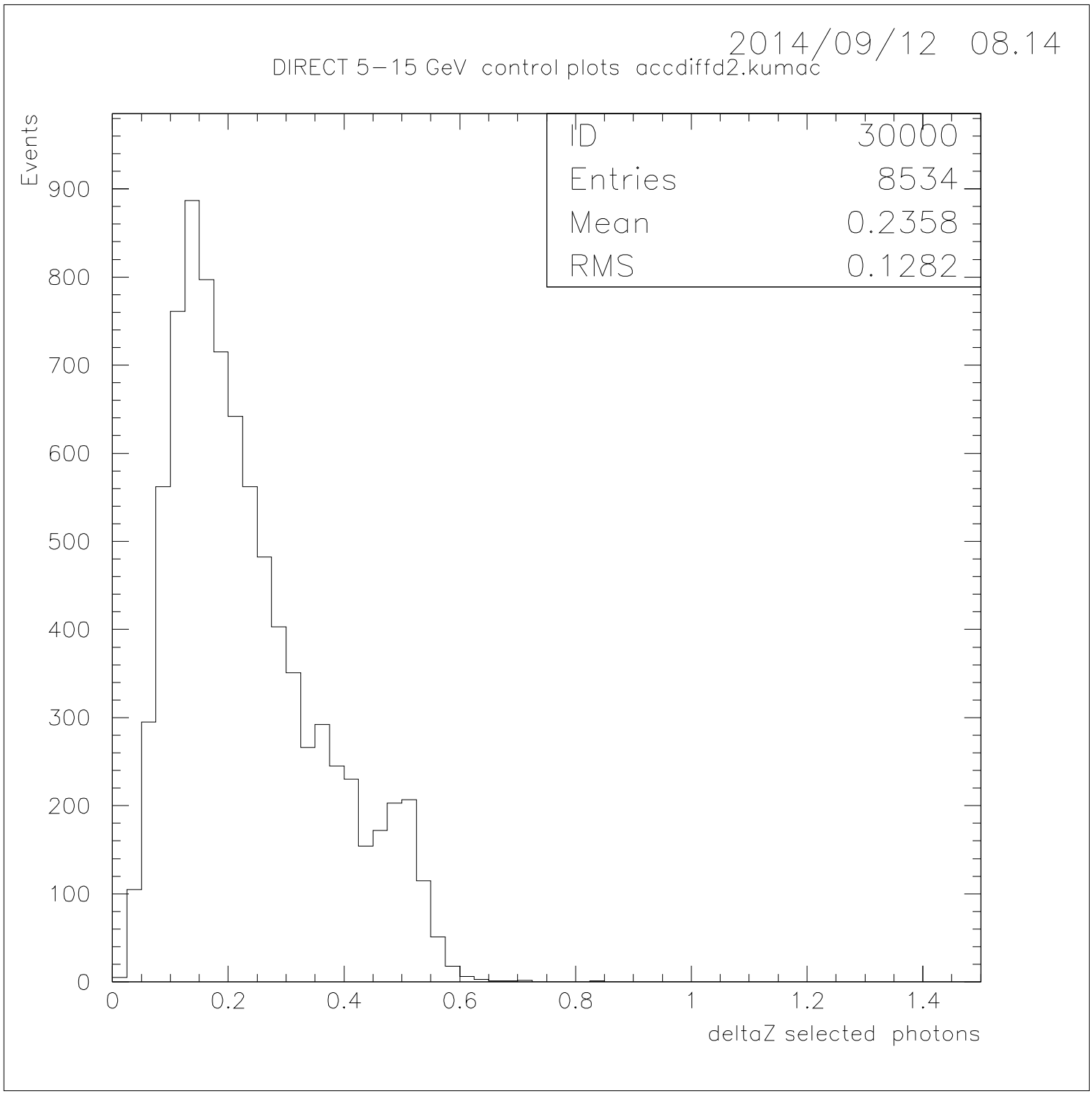
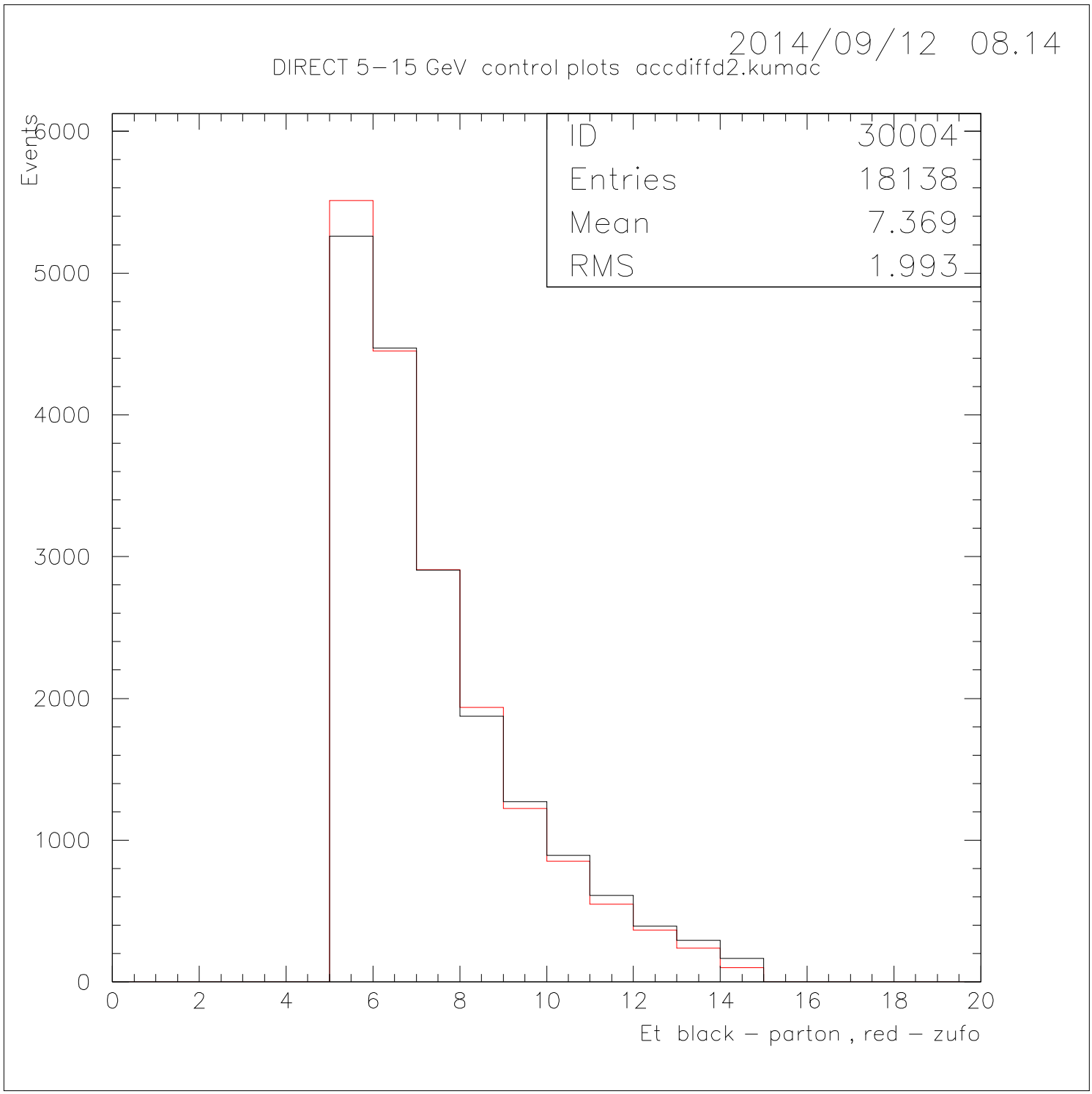
2014/09/12 08.14

DIRECT 5−15 GeV control plots accdiffd2.kumac



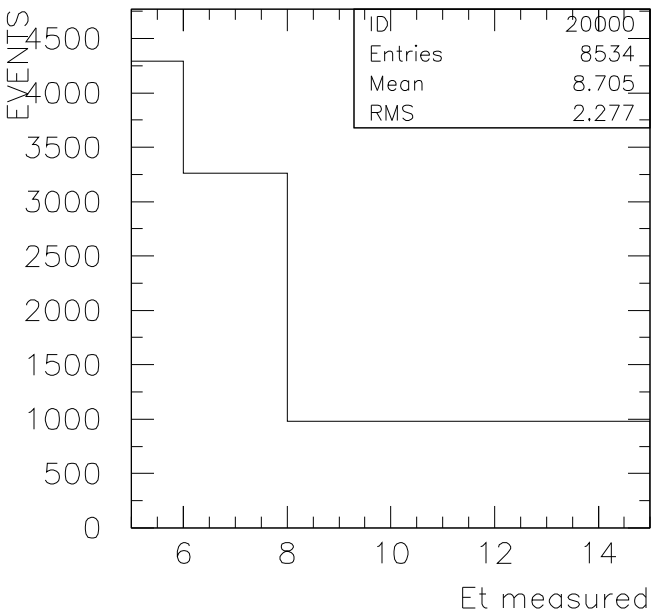


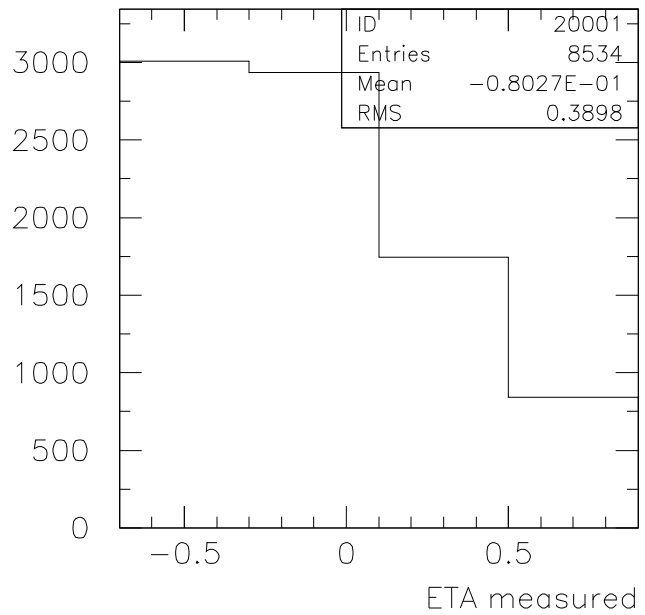

2014/09/12 08.14
DIRECT 5−15 GeV control plots accdiffd2.kumac
ID 30000
Entries 8534
Mean 0.2358
RMS 0.1282
Events
0
100
200
300
400
500
600
700
800
900
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ selected photons

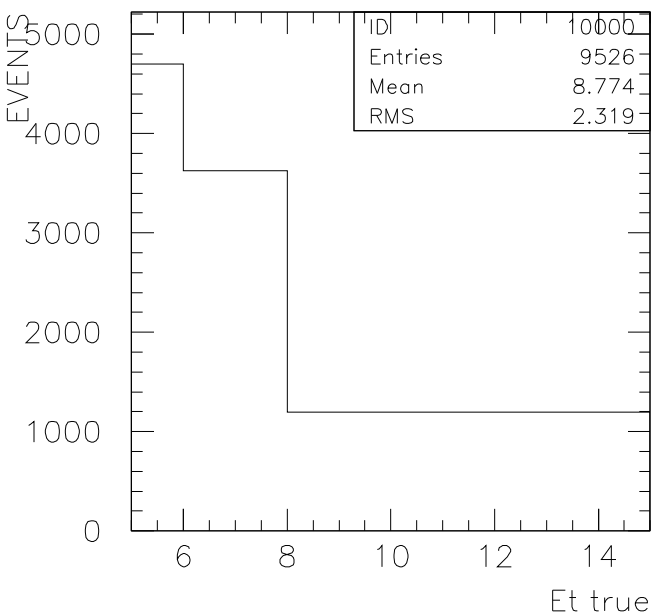

2014/09/12 08.14
DIRECT 5−15 GeV control plots accdiffd2.kumac
Events
ID 30004
Entries 18138
Mean 7.369
RMS 1.993
0
1000
2000
3000
4000
5000
6000
0
2
4
6
8
10
12
14
16
18
20
Et black − parton , red − zufo

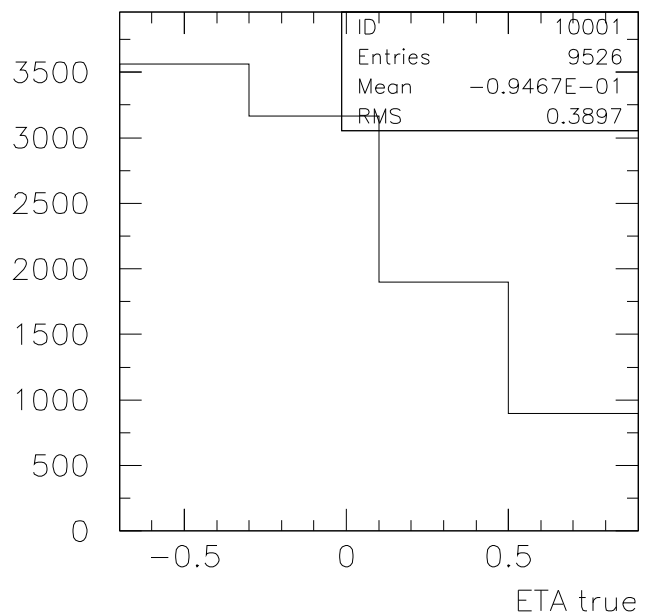
2014/09/12 08.14

inclusive accdiffd2.kumac



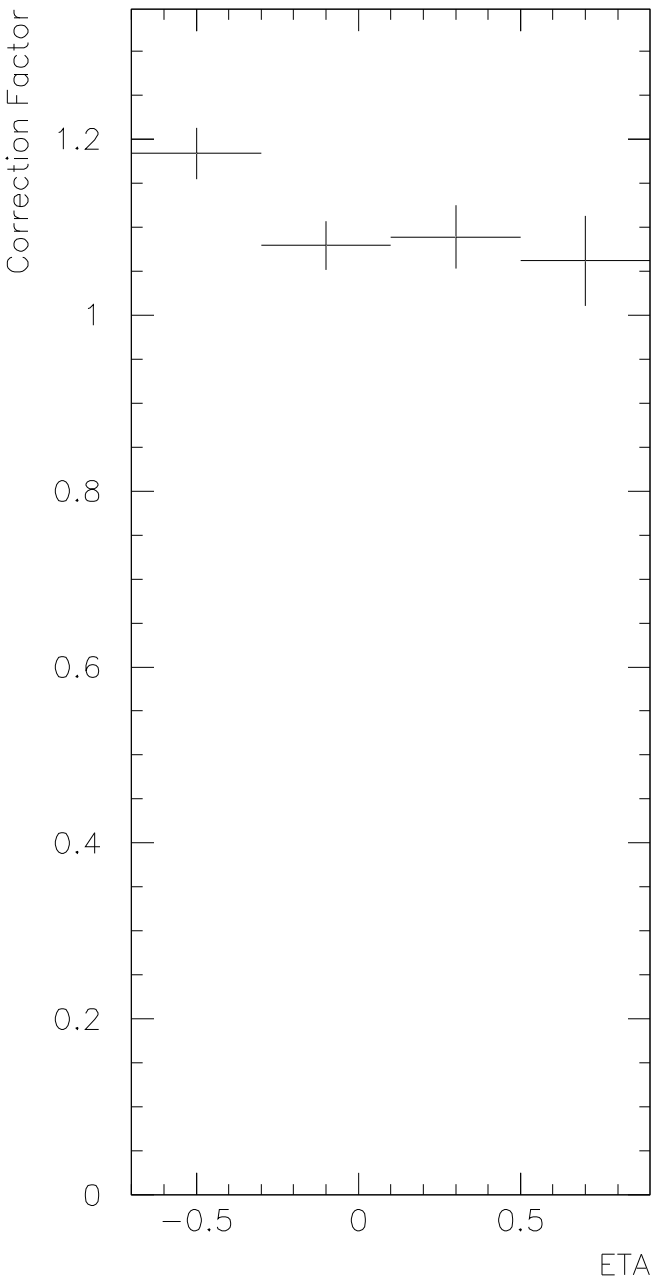


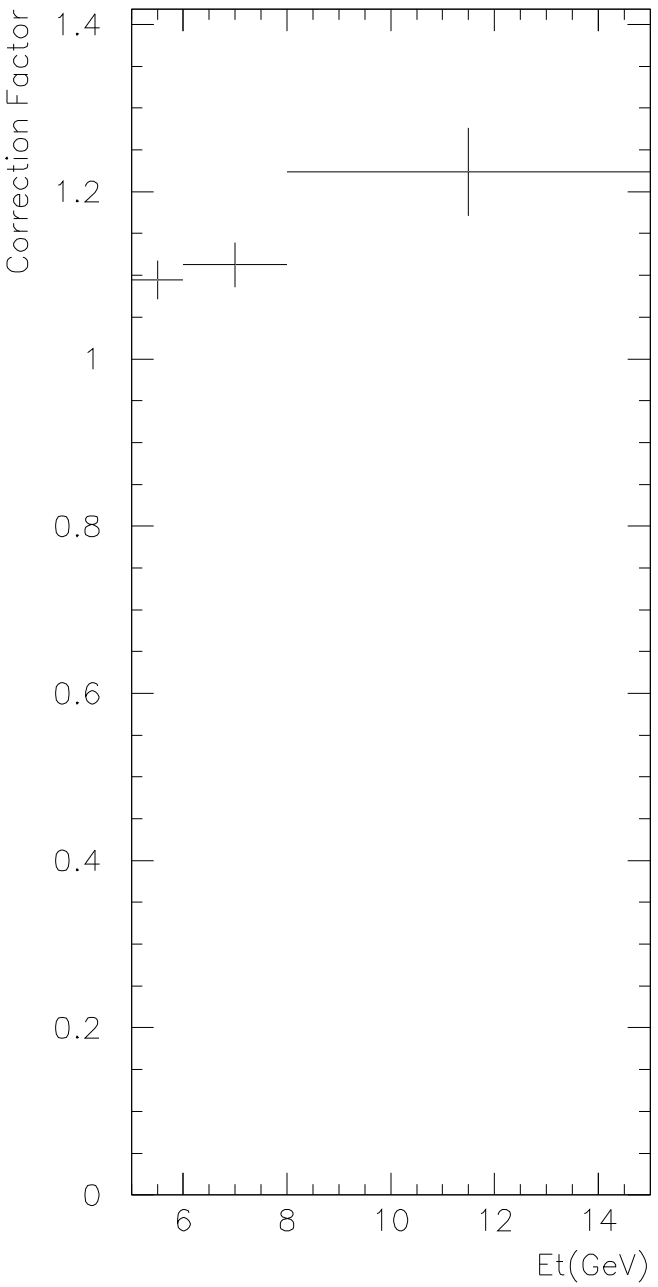




2014/09/12 08.14

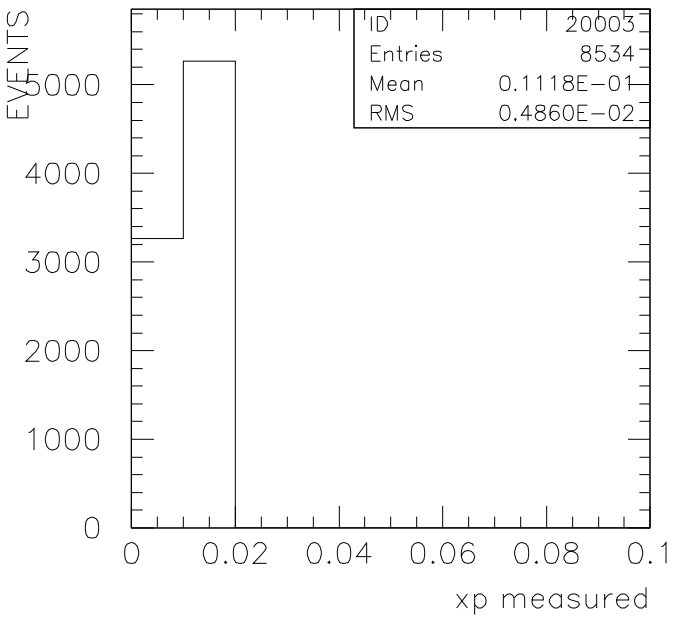
DIRECT corr. factor measured to truth inclusive

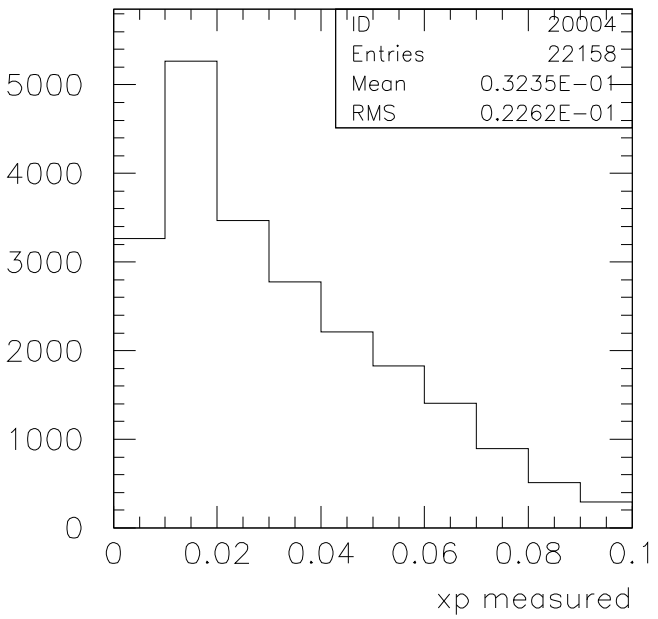


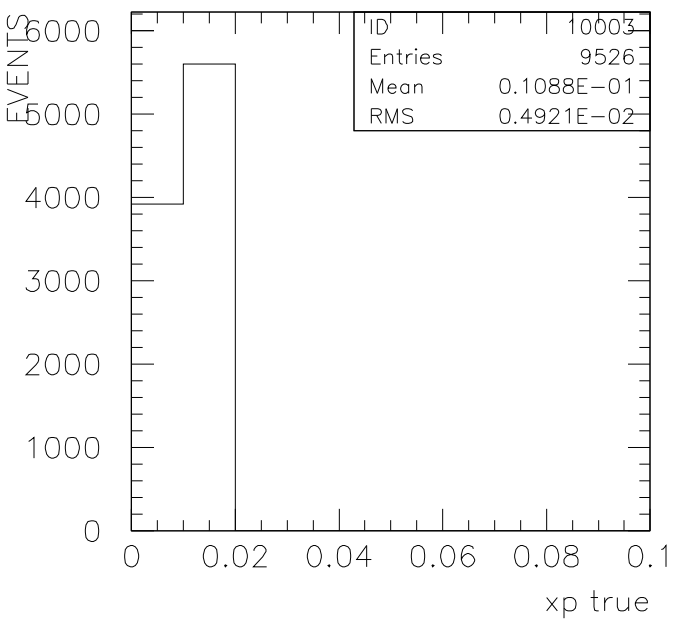


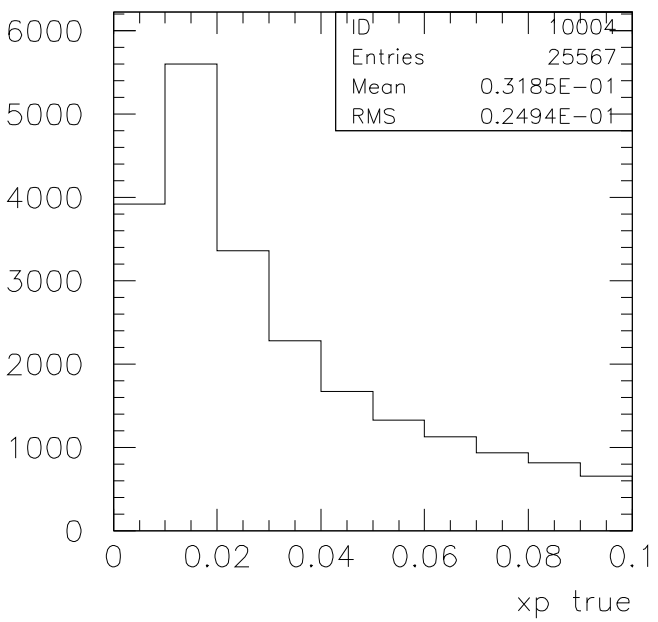
2014/09/12 08.14

inclusive accdiffd2.kumac



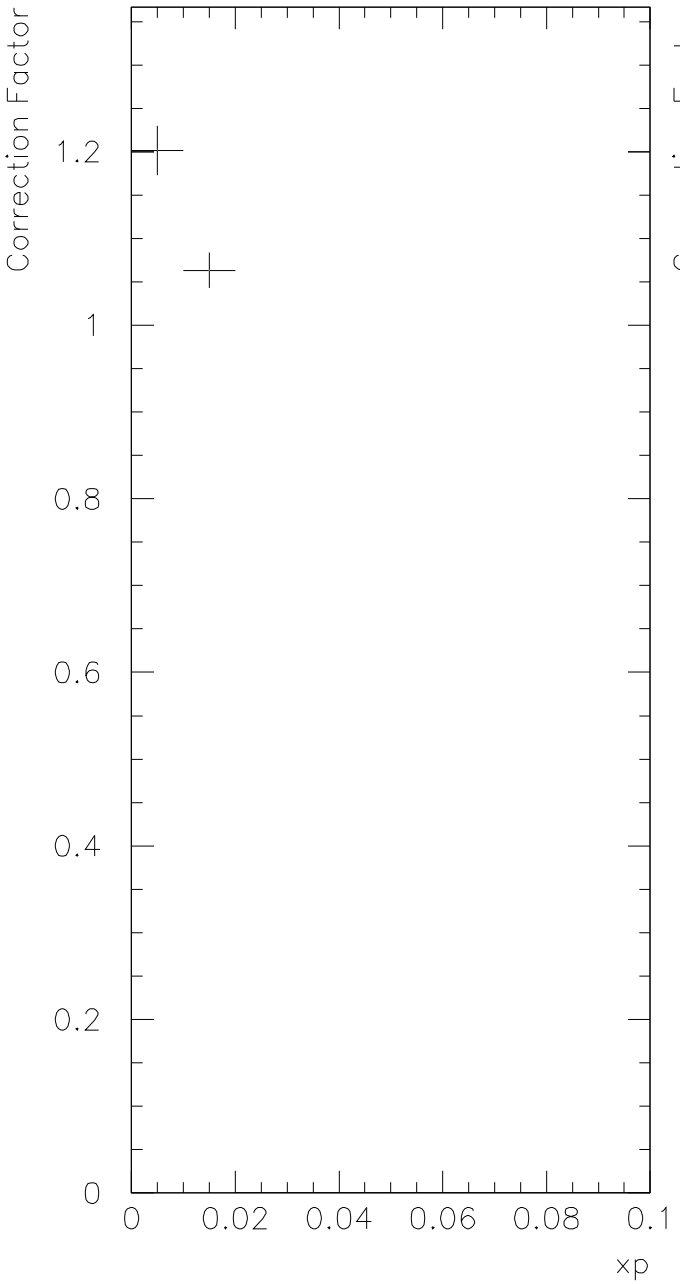


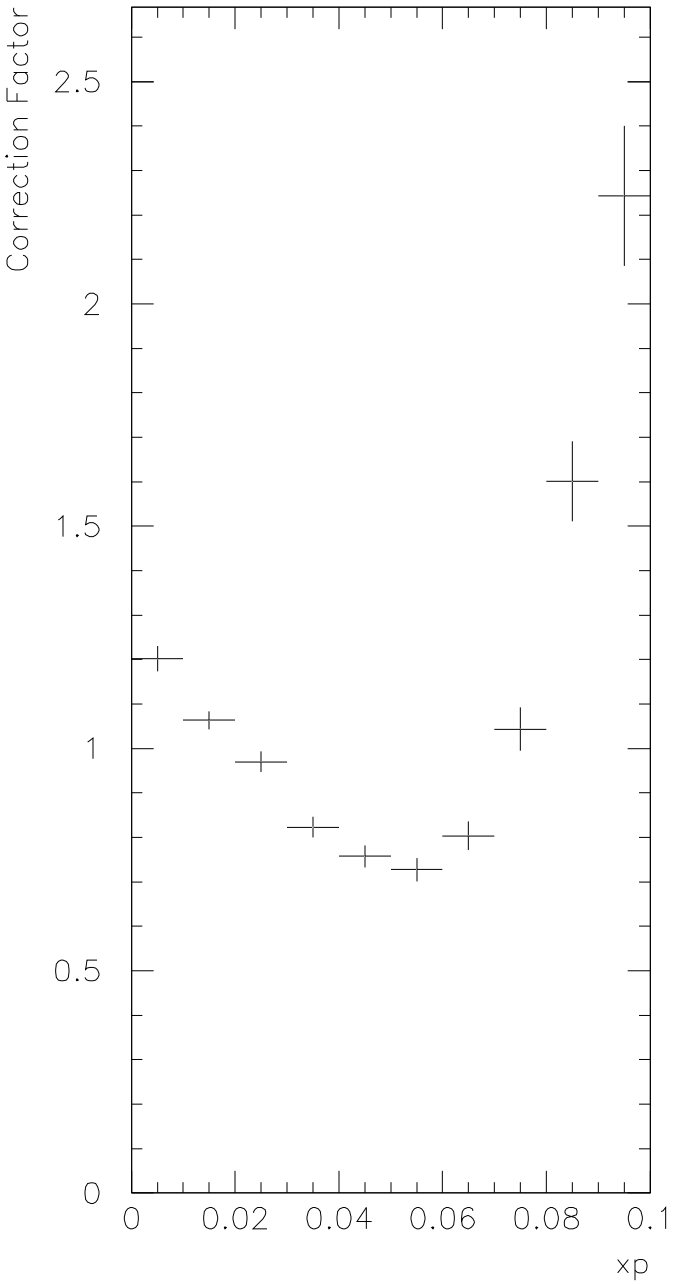




2014/09/12 08.14

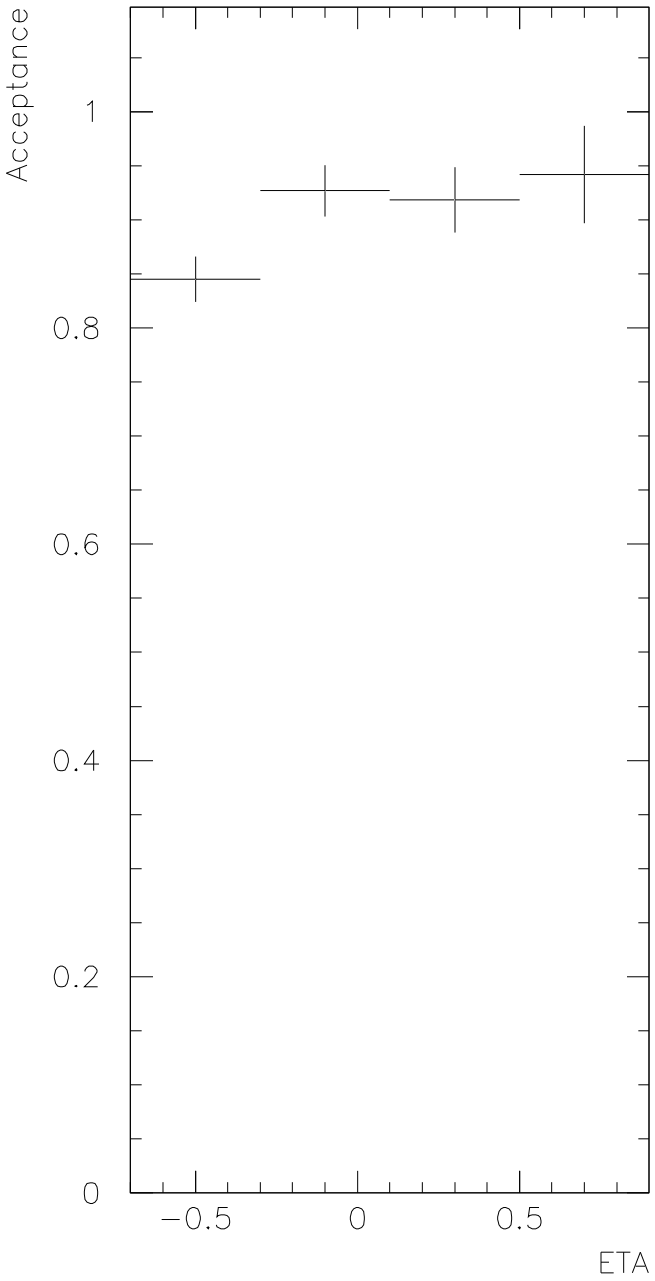
DIRECT corr. factor measured to truth inclusive

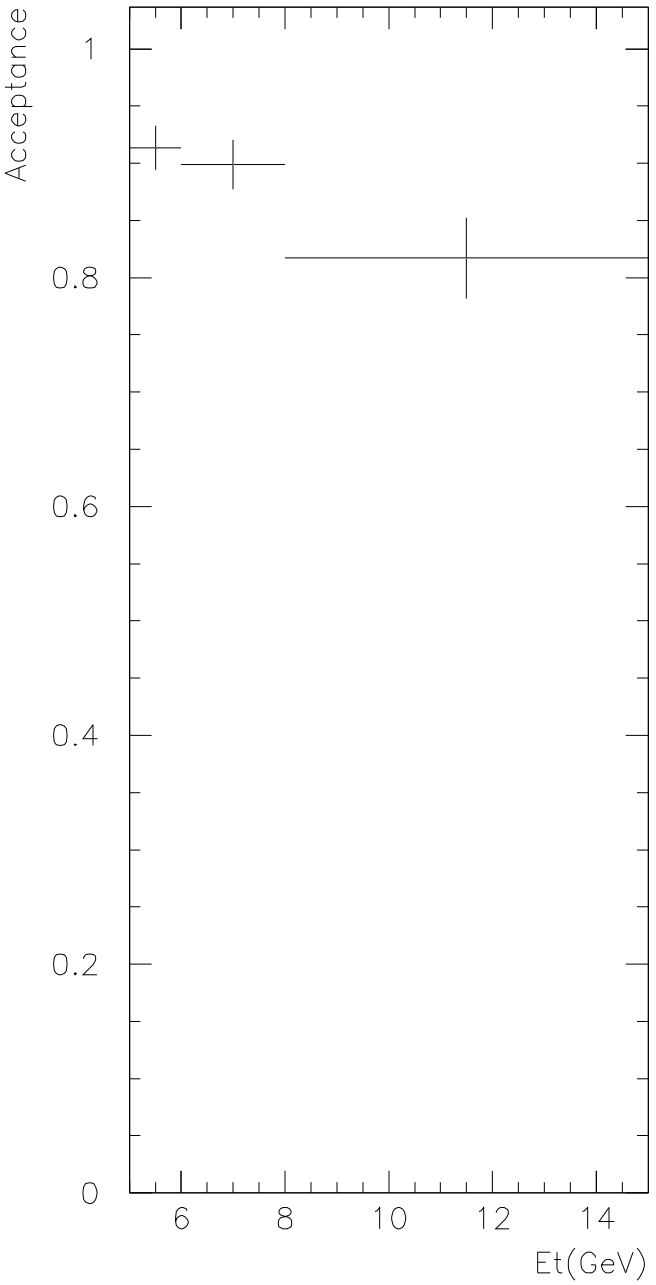




2014/09/12 08.15

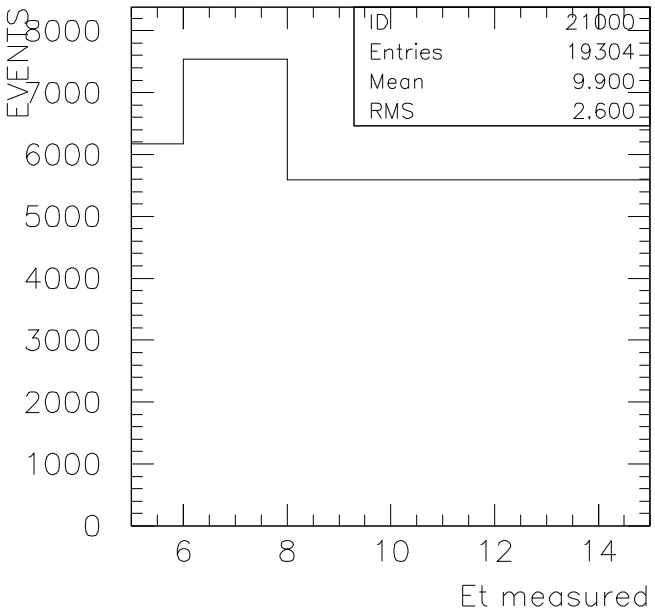
DIRECT Acceptance (measured divided by truth) inclusive

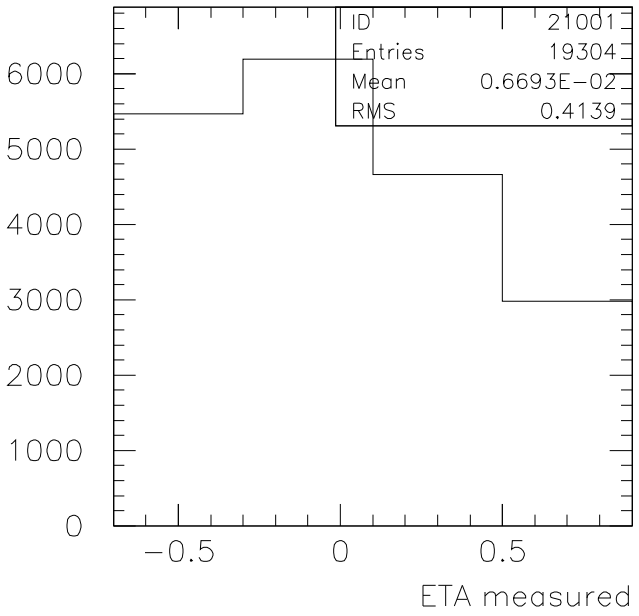


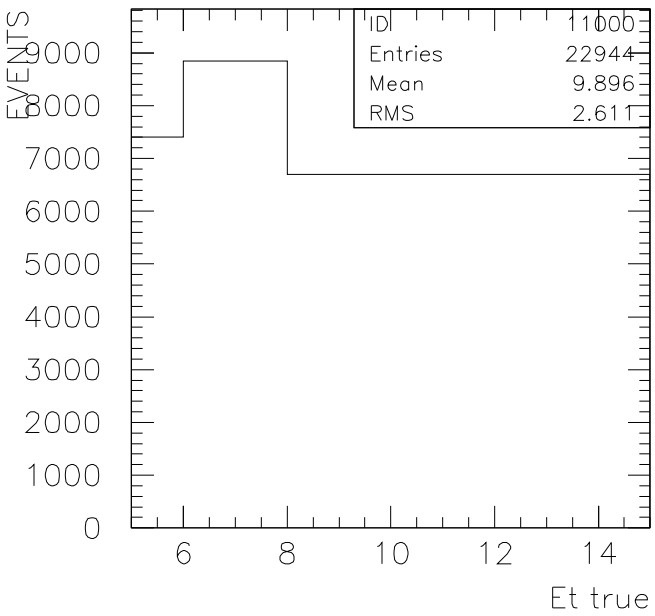


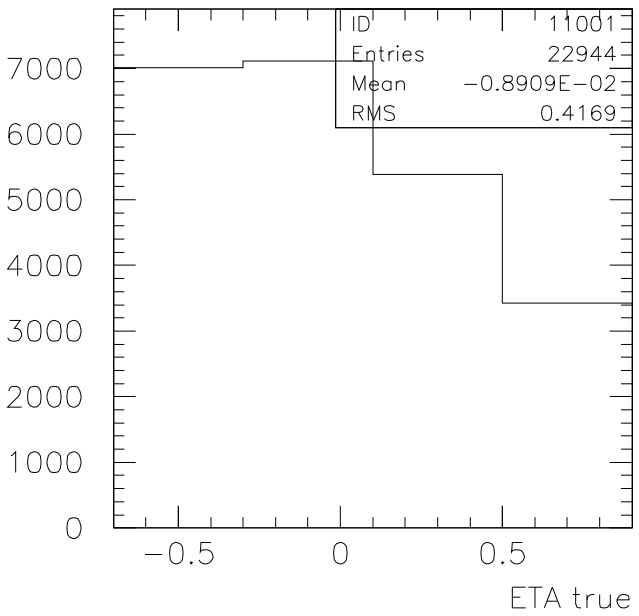
2014/09/12 08.15

Photon + jet



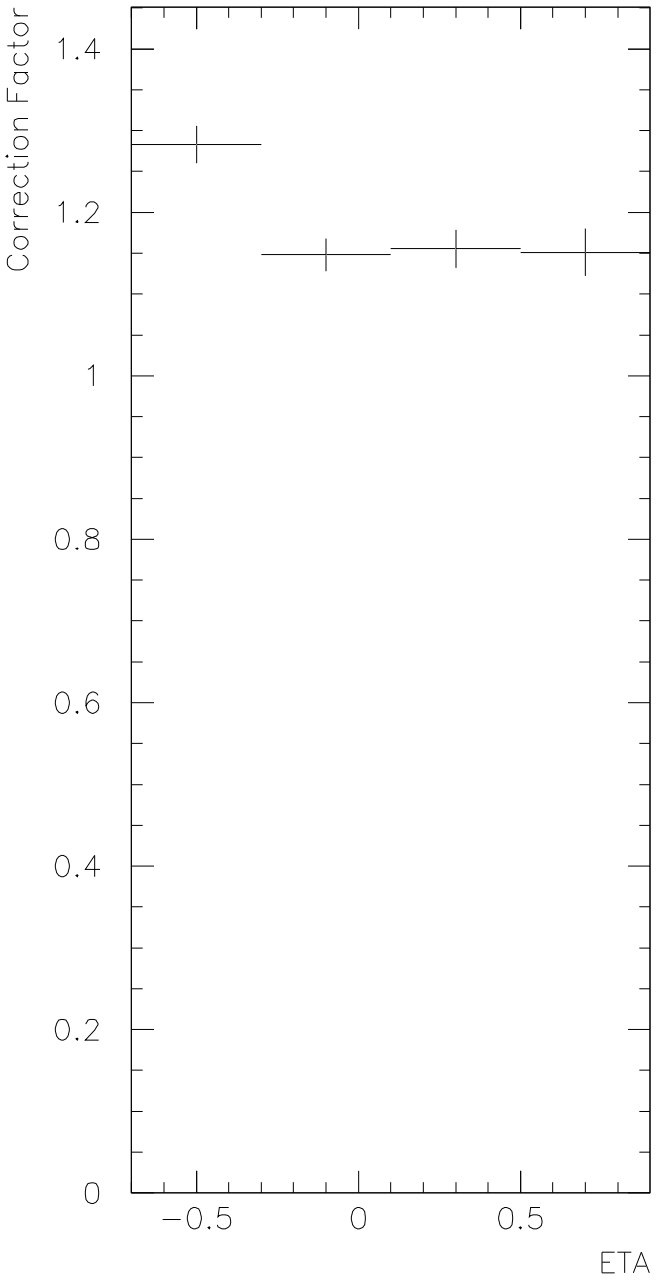


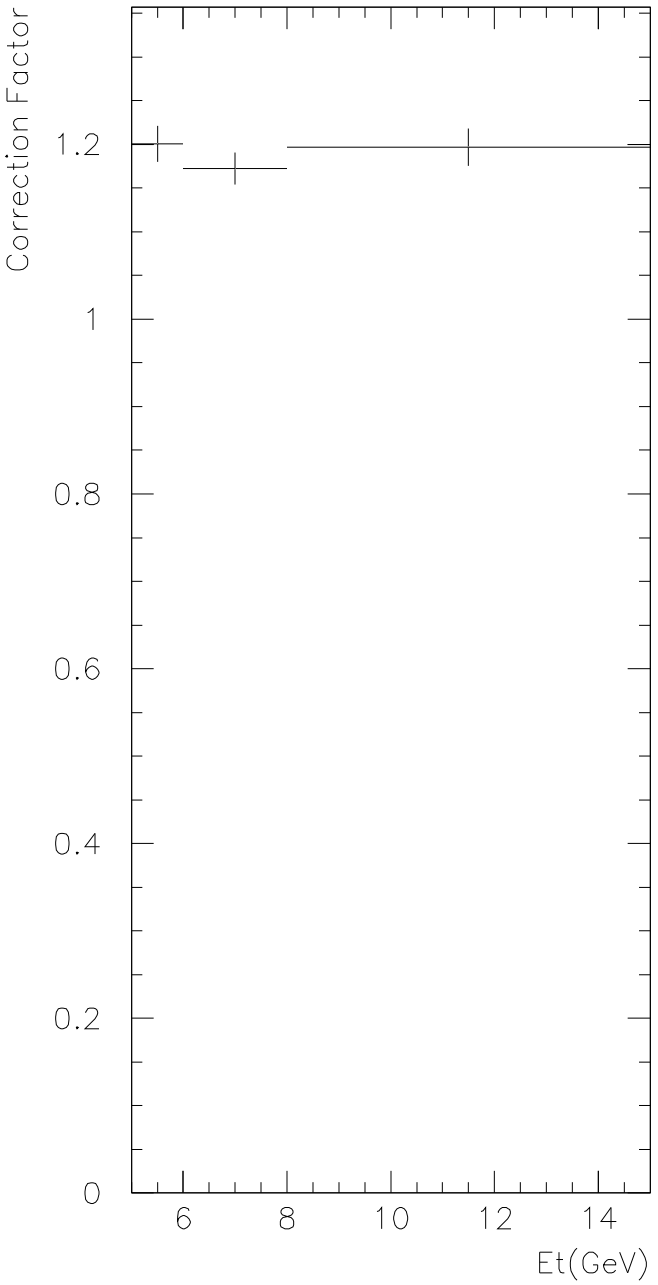




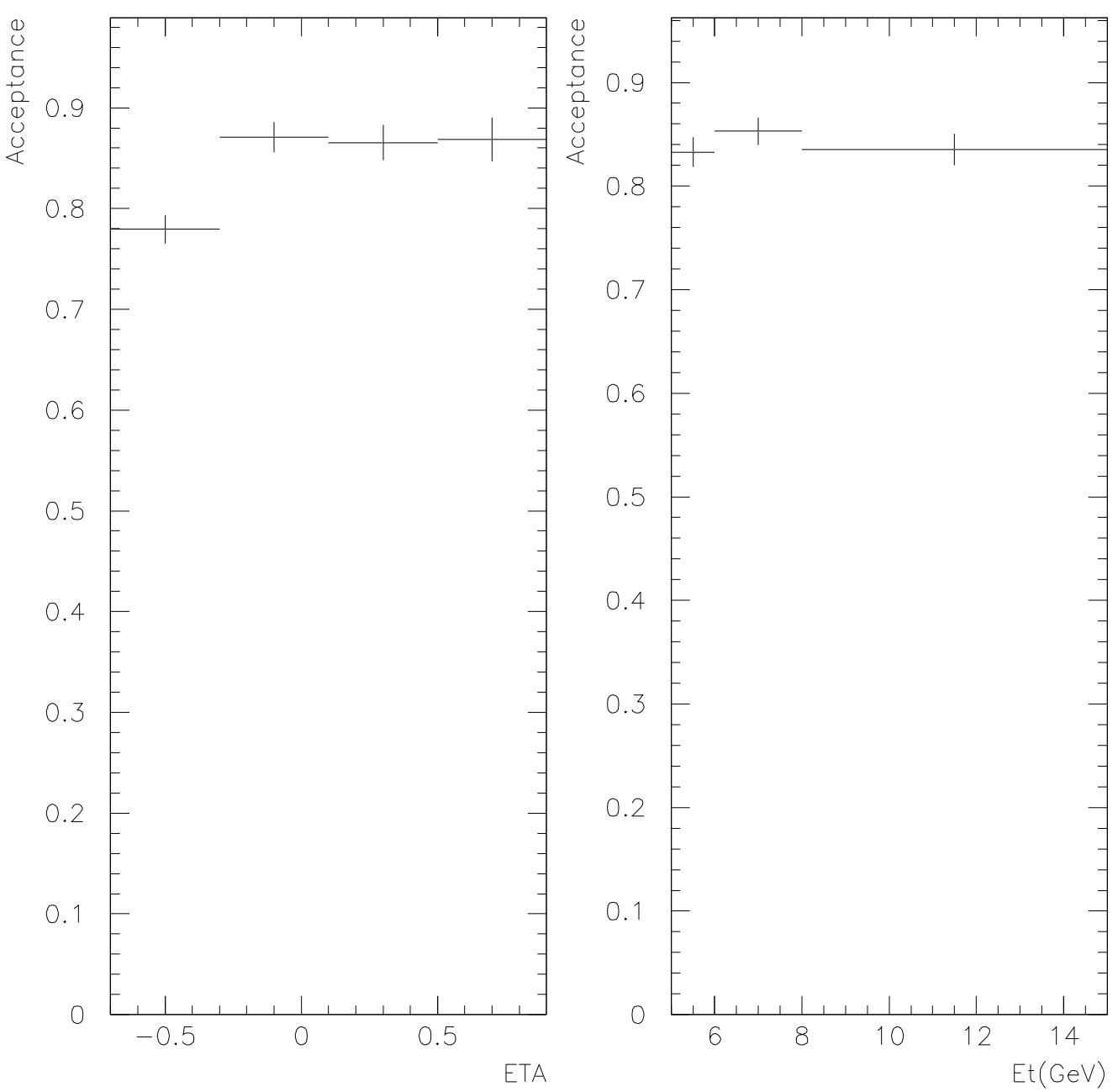
2014/09/12 08.15

corr. factor measured to truth Photon + jet



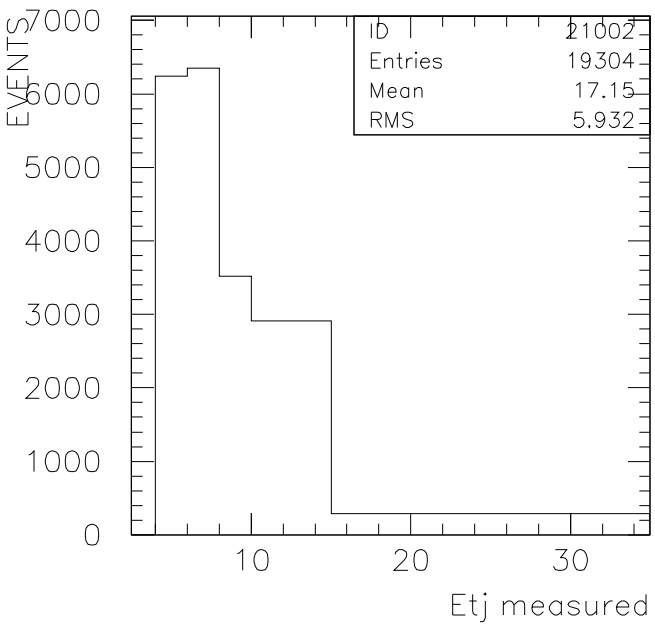


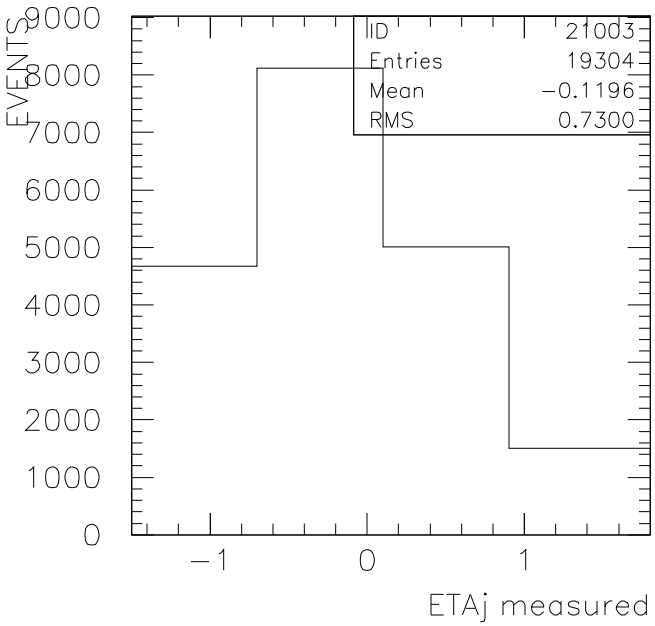
2014/09/12 08.15

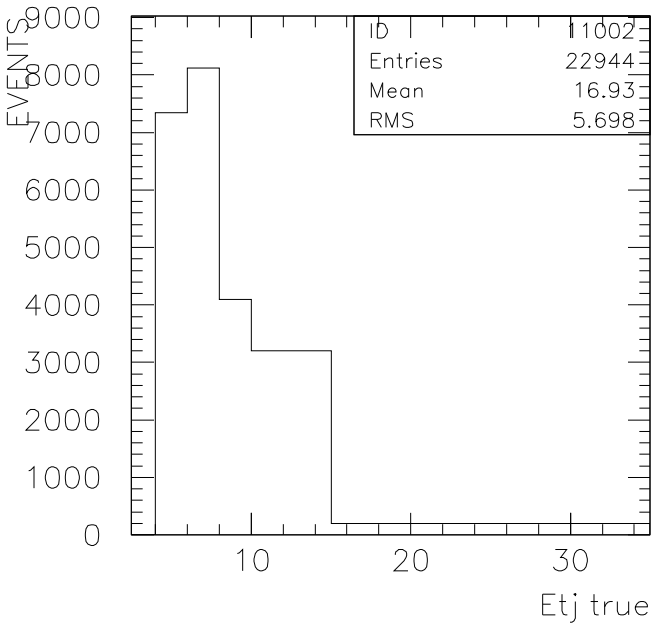


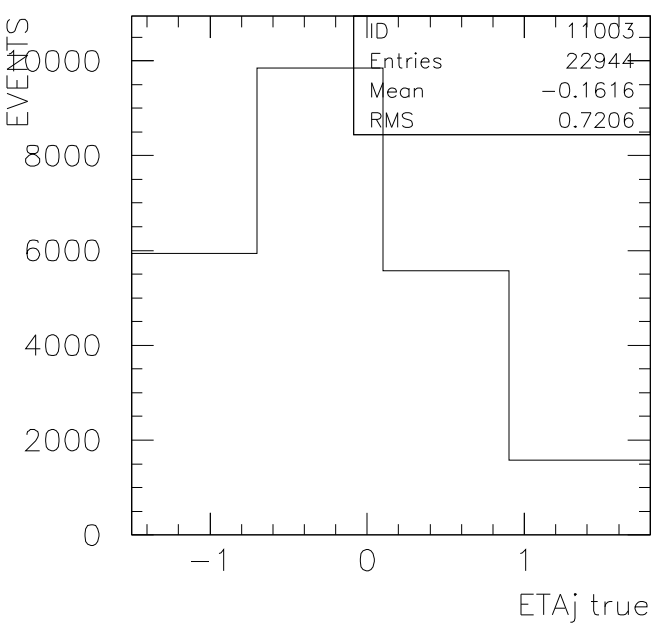
2014/09/12 08.15

Acceptance (measured/true) Photon + jet



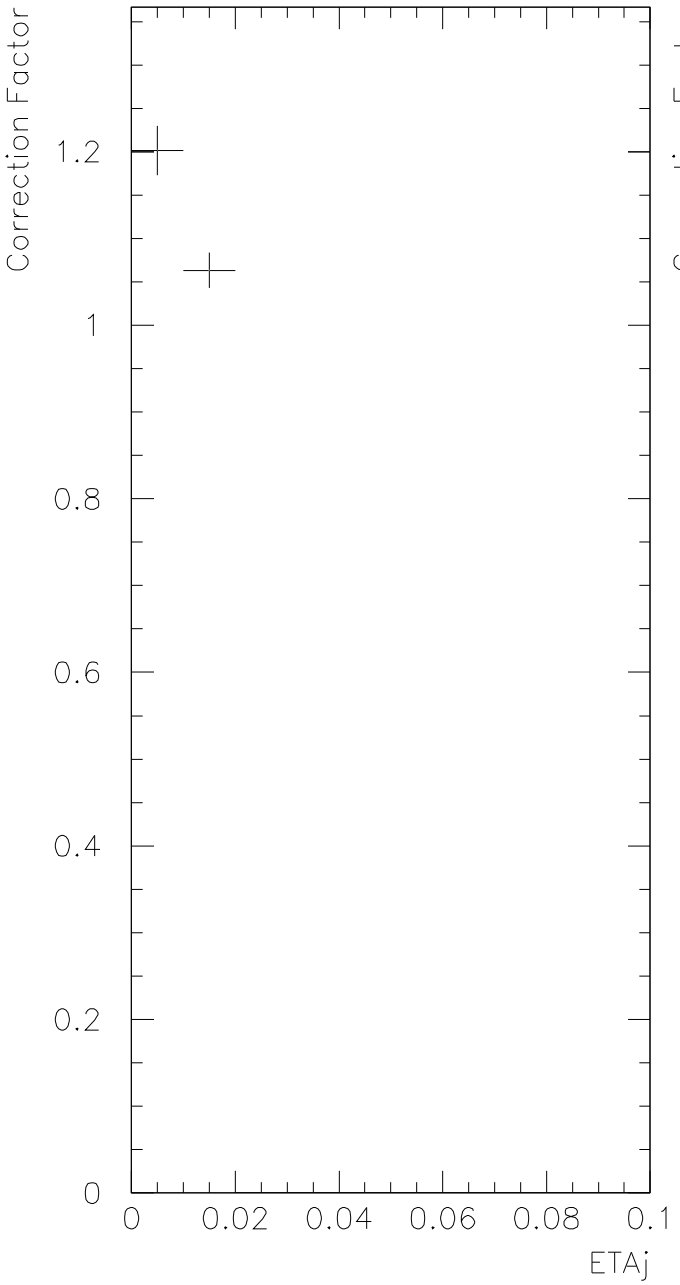


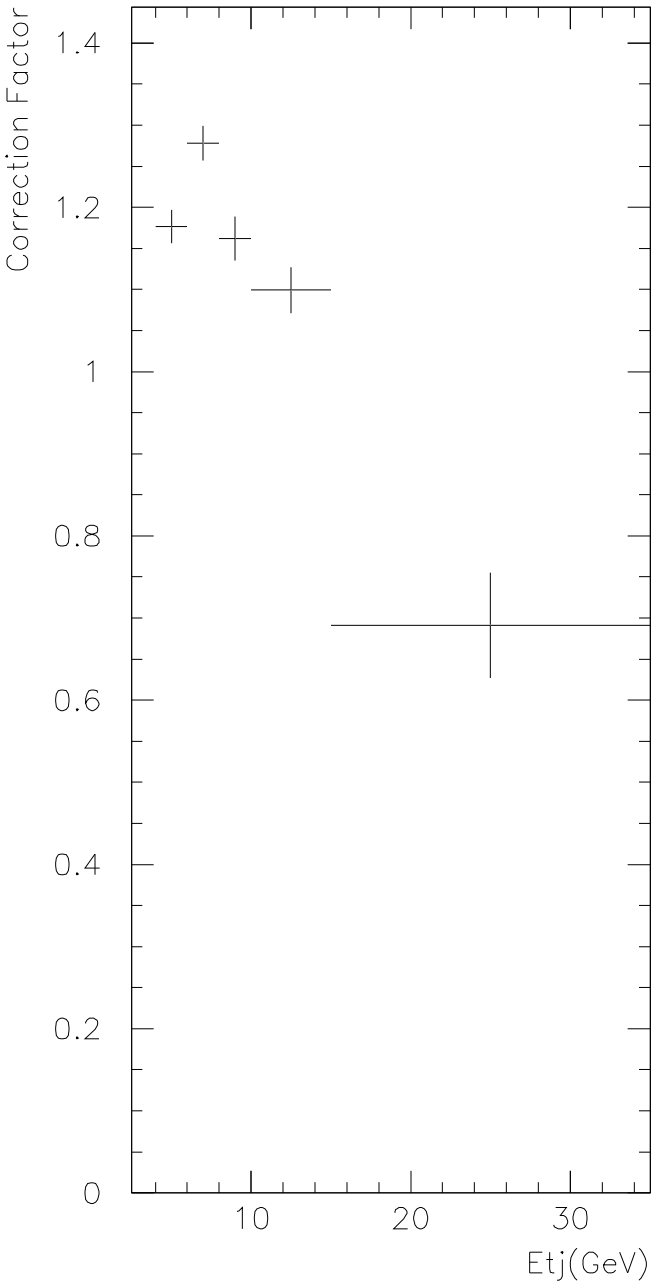




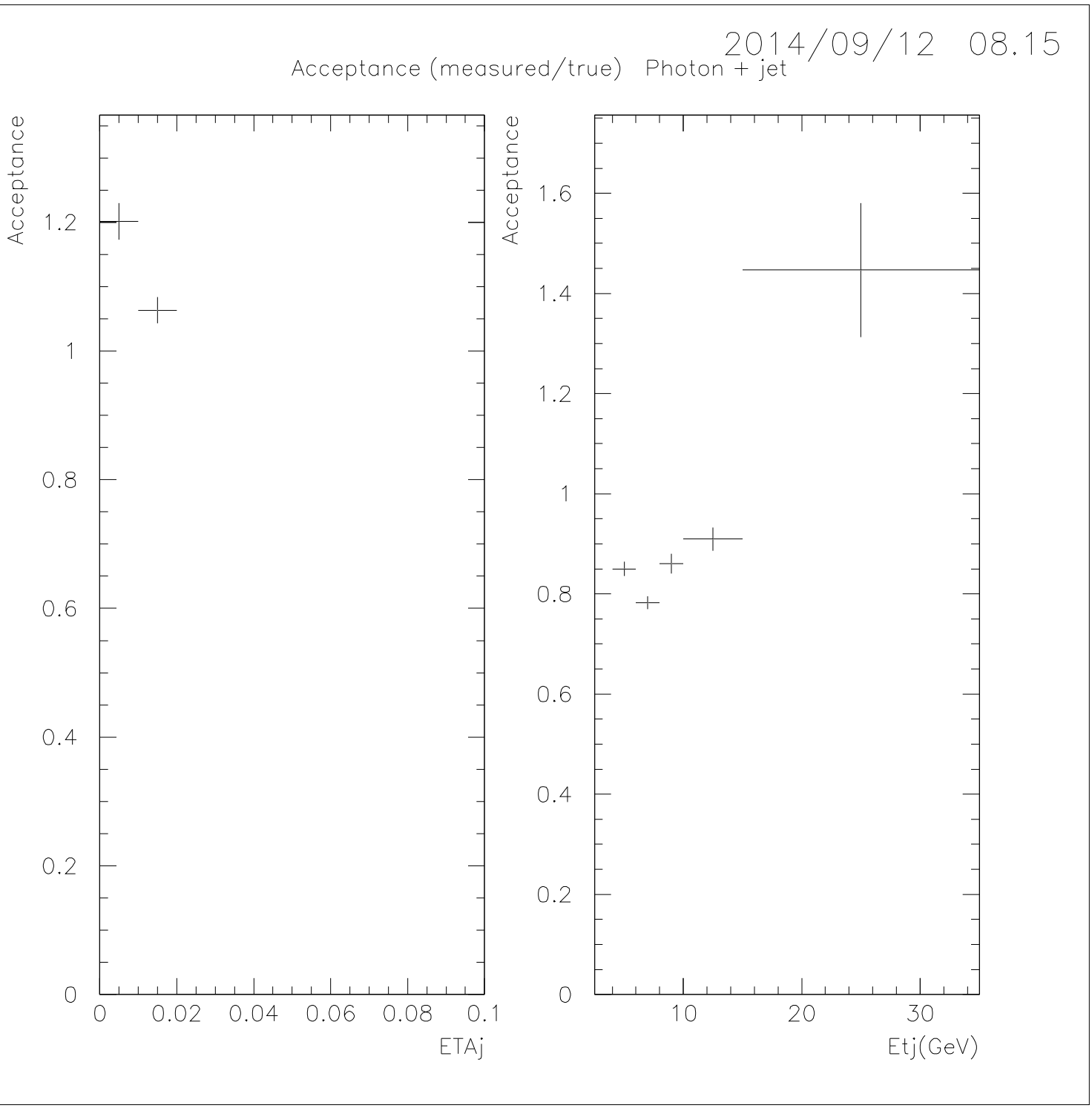
2014/09/12 08.15

corr. factor measured to truth Photon + jet



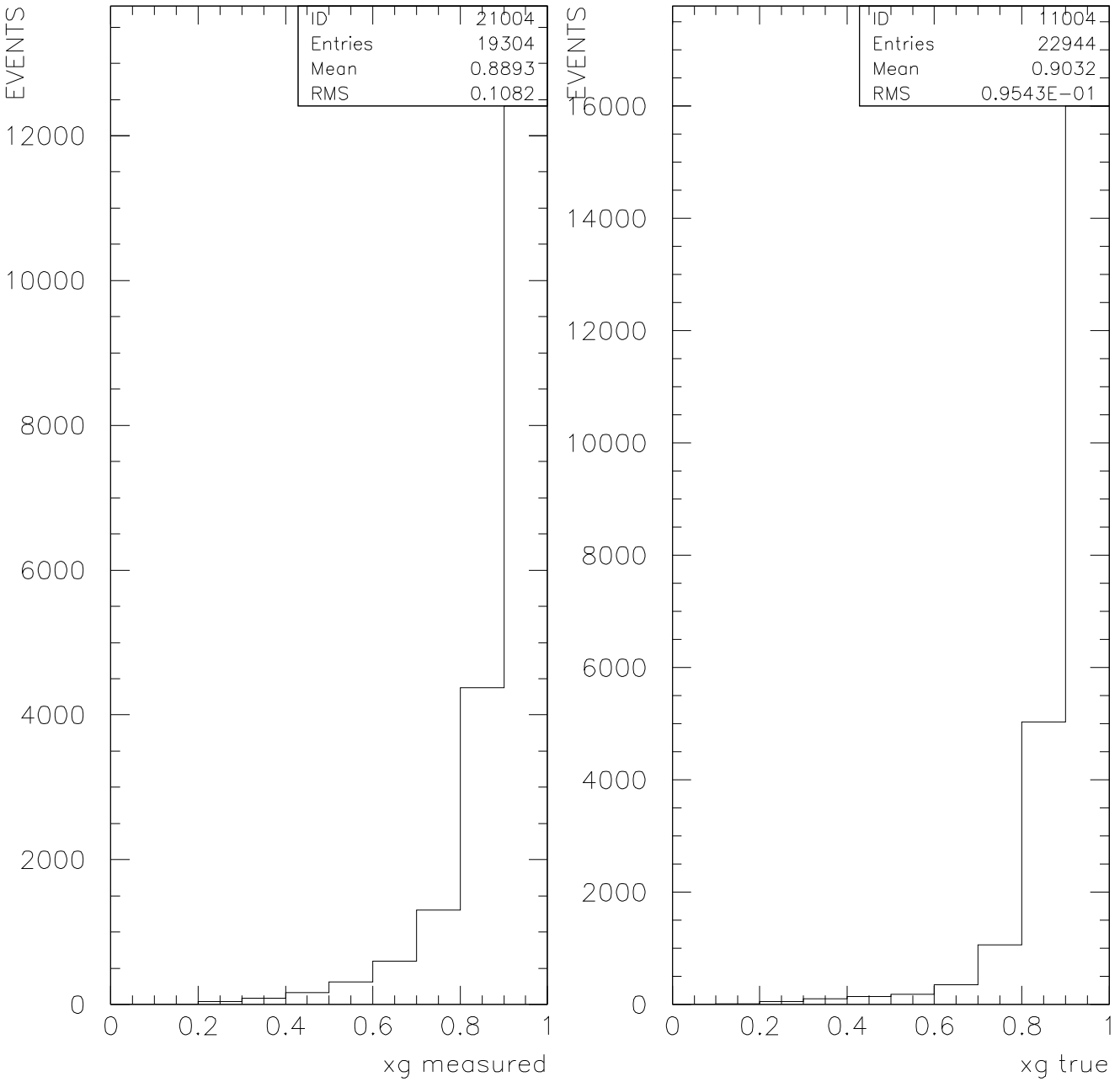


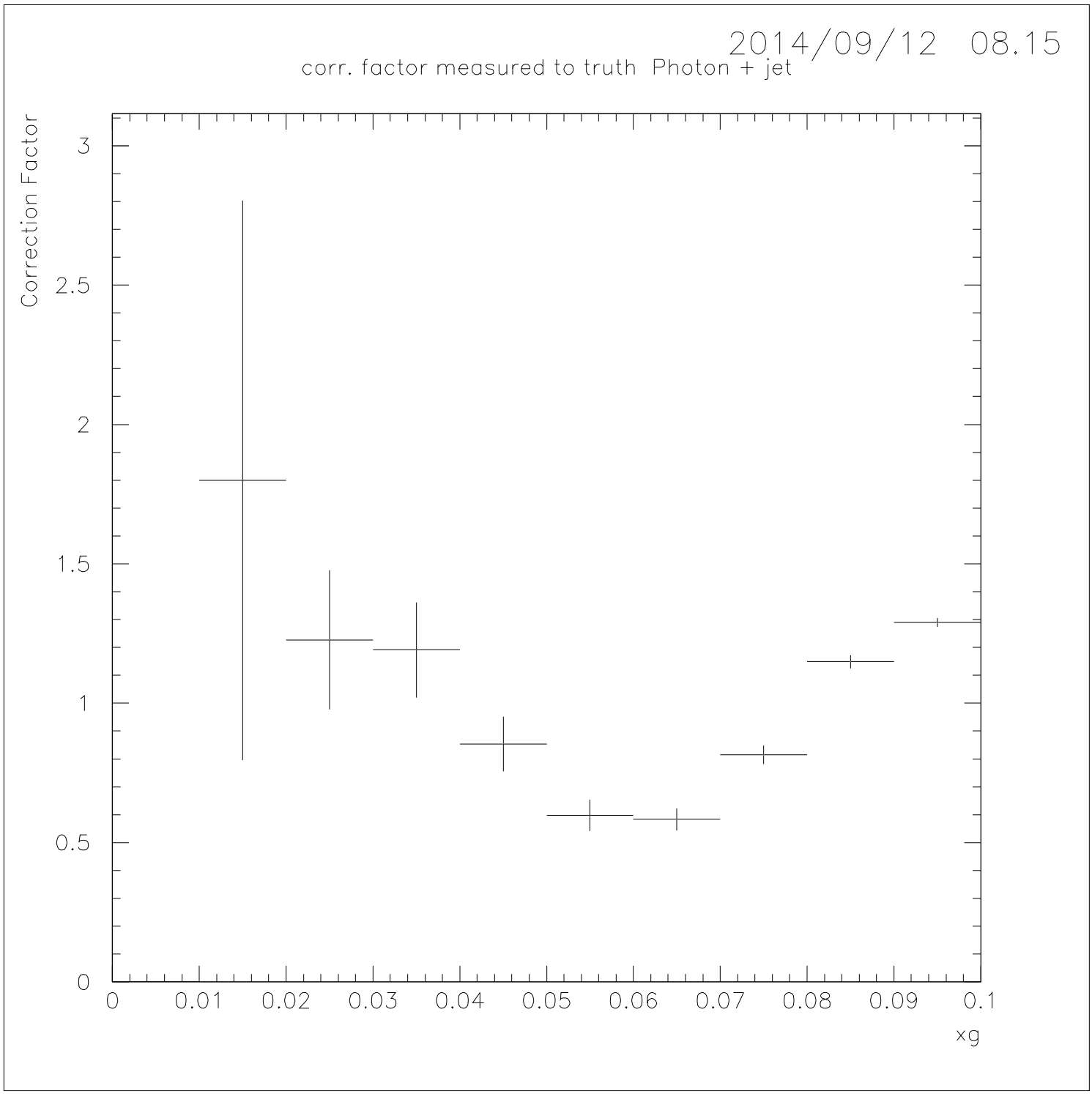
2014/09/12 08.15

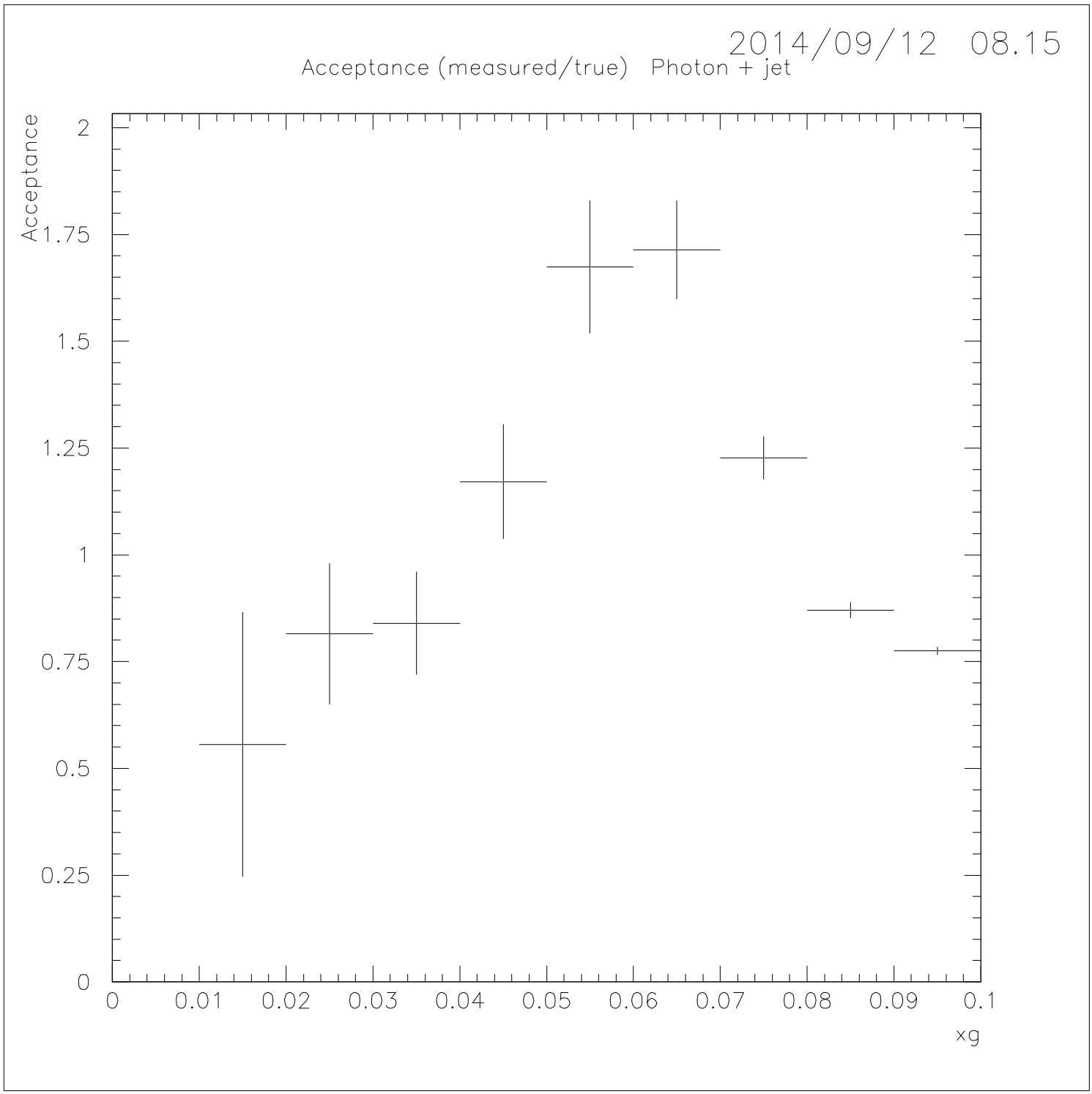


2014/09/12 08.15

Acceptance (measured/true) Photon + jet

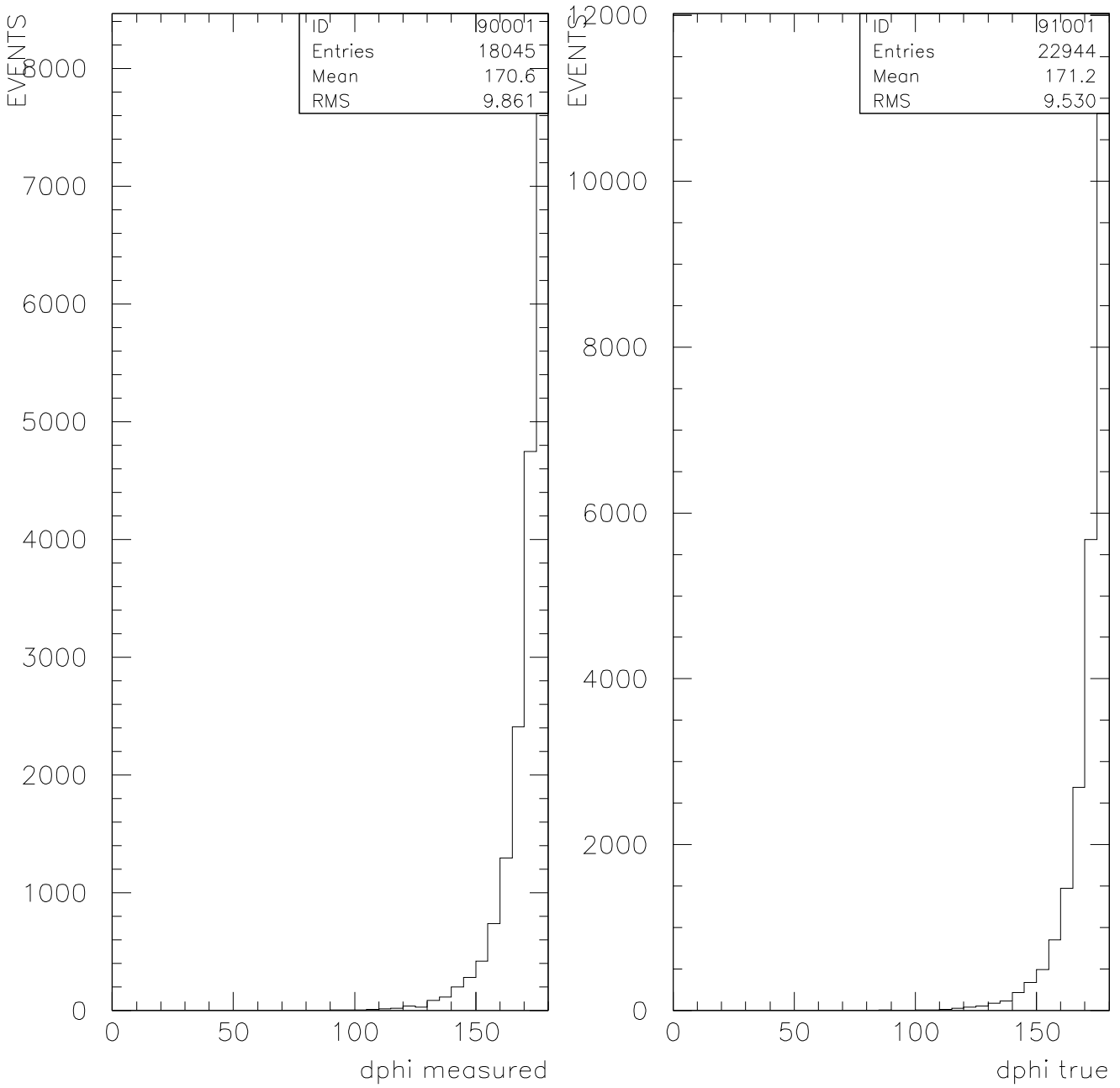


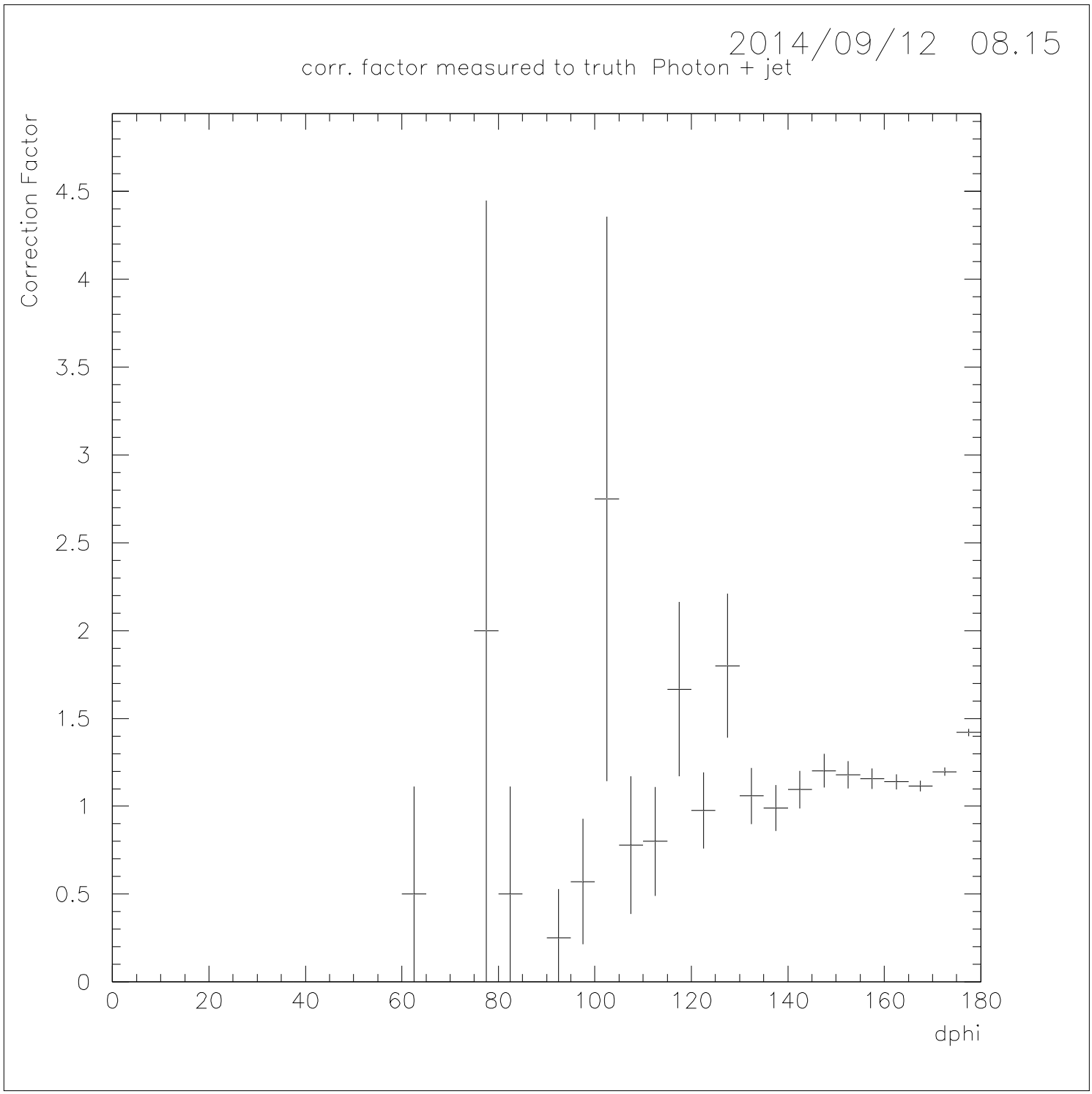

2014/09/12 08.15
corr. factor measured to truth Photon + jet
Correction Factor
3
2.5
2
1.5
1
0.5
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xg

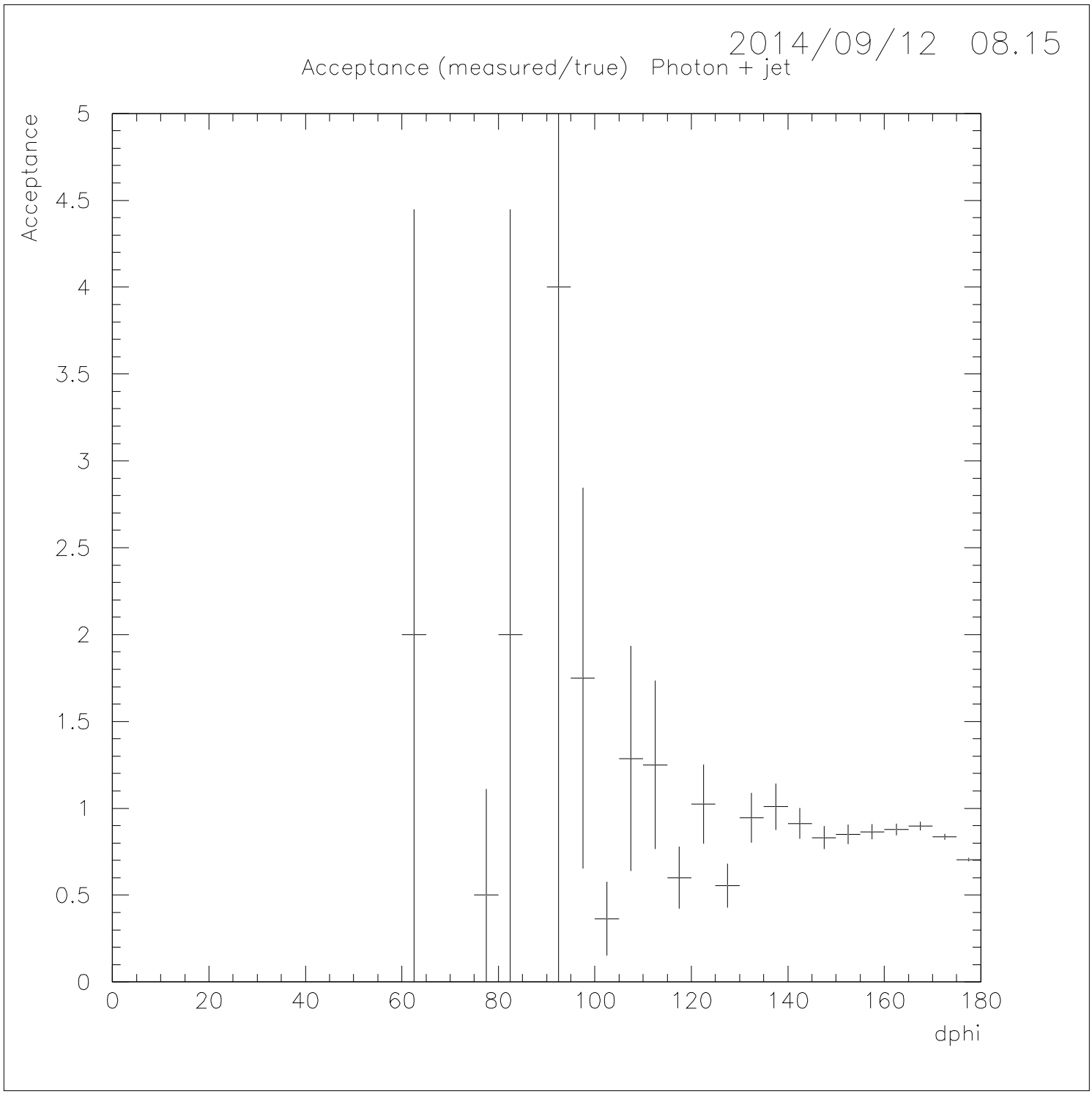

2014/09/12 08.15
Acceptance (measured/true) Photon + jet
Acceptance
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xg

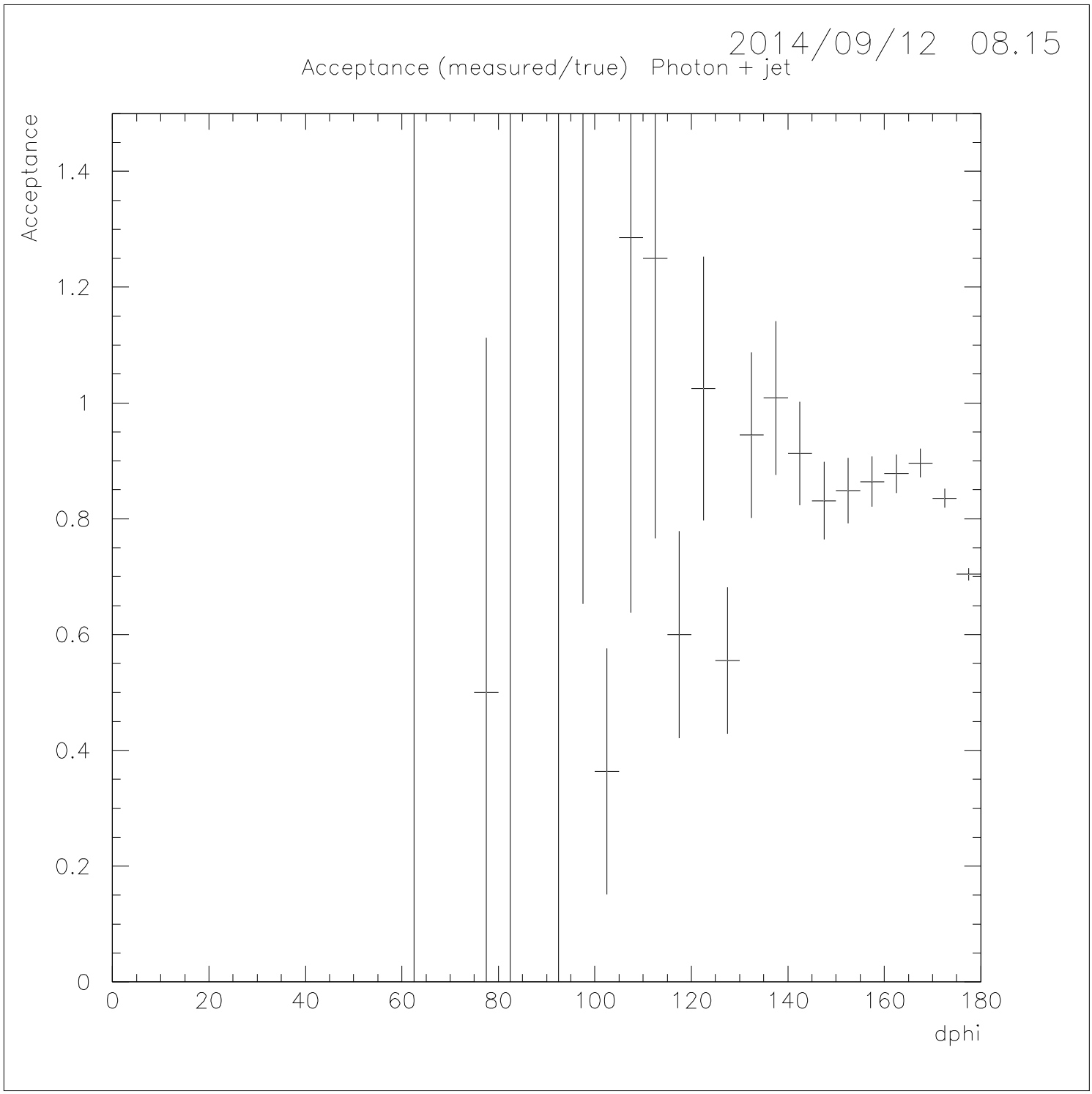
2014/09/12 08.15

Acceptance (measured/true) Photon + jet



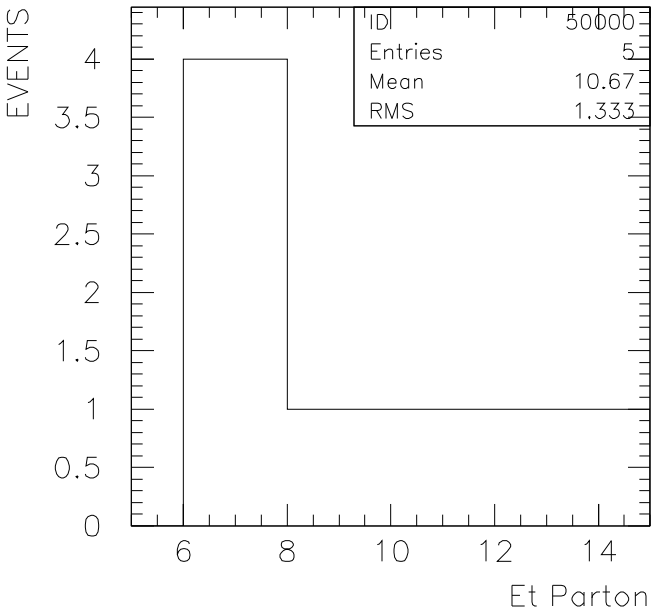

2014/09/12 08.15
corr. factor measured to truth Photon + jet
Correction Factor
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

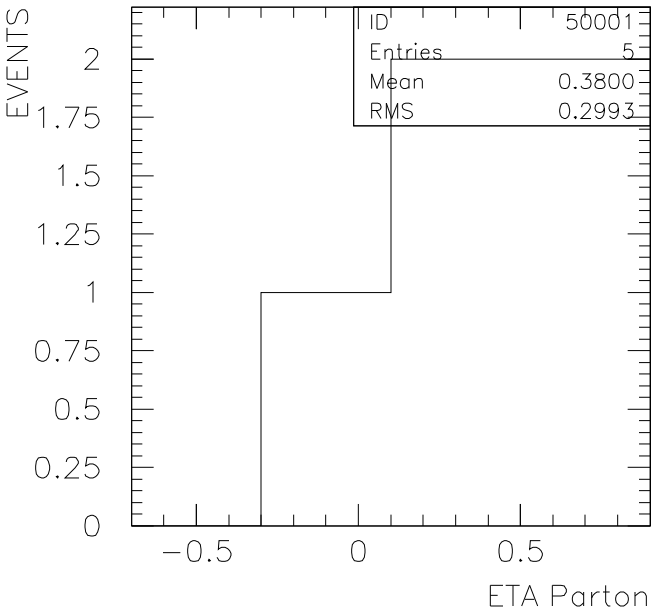

2014/09/12 08.15
Acceptance (measured/true) Photon + jet
Acceptance
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

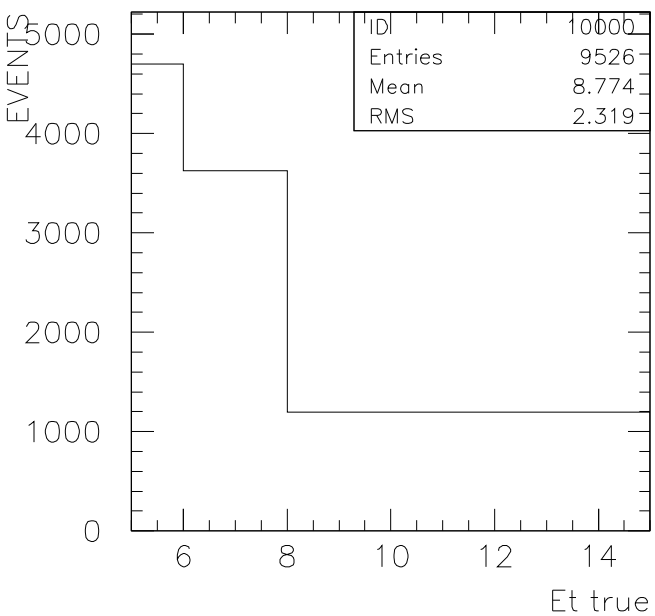

2014/09/12 08.15
Acceptance (measured/true) Photon + jet
Acceptance
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
120
140
160
180
dphi

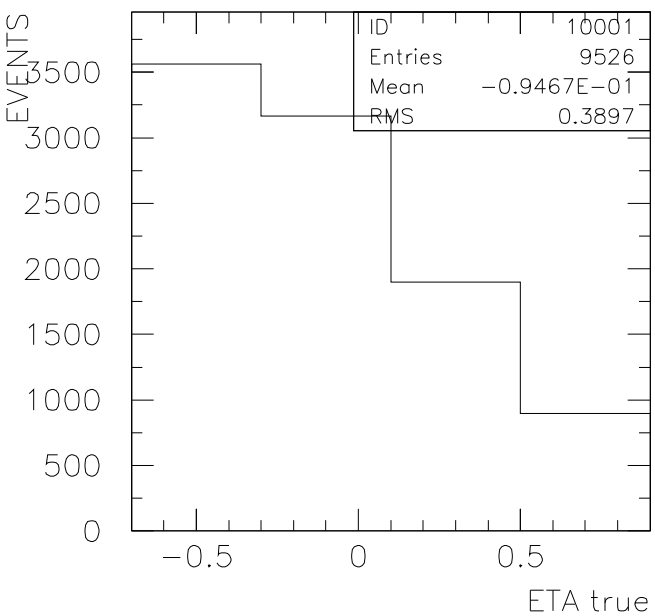
2014/09/12 08.15

inclusive Parton−True



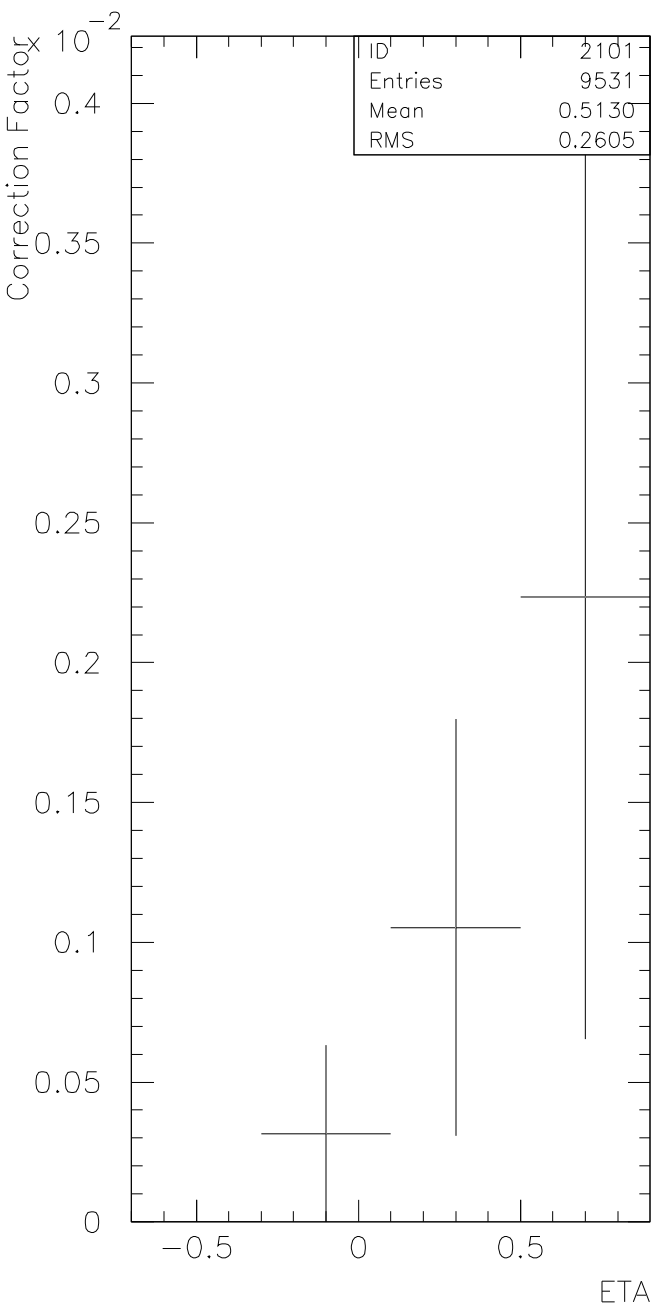


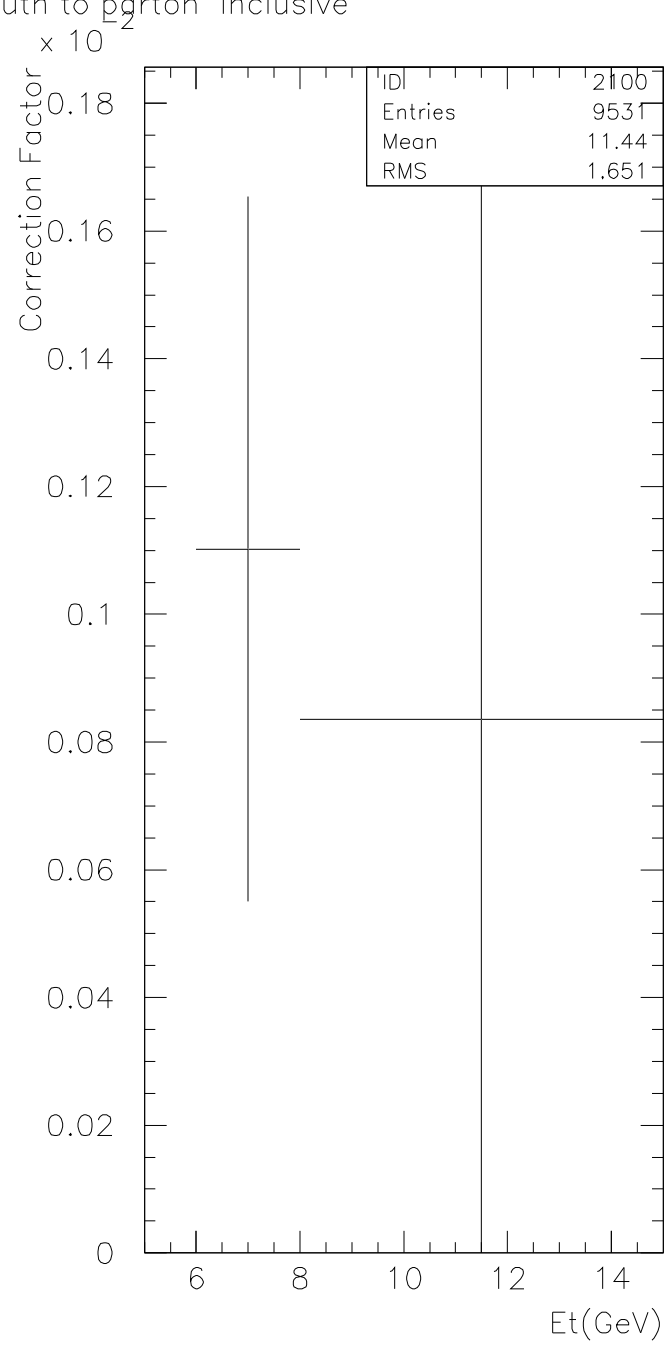




2014/09/12 08.15

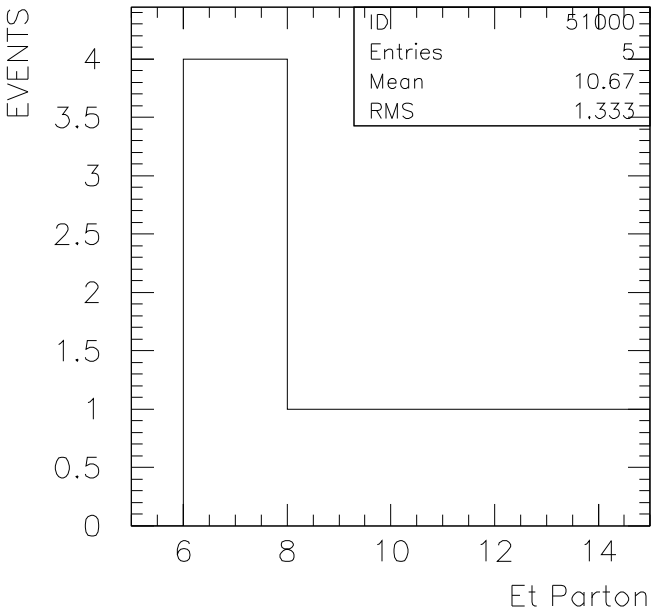
corr. factor truth to parton inclusive

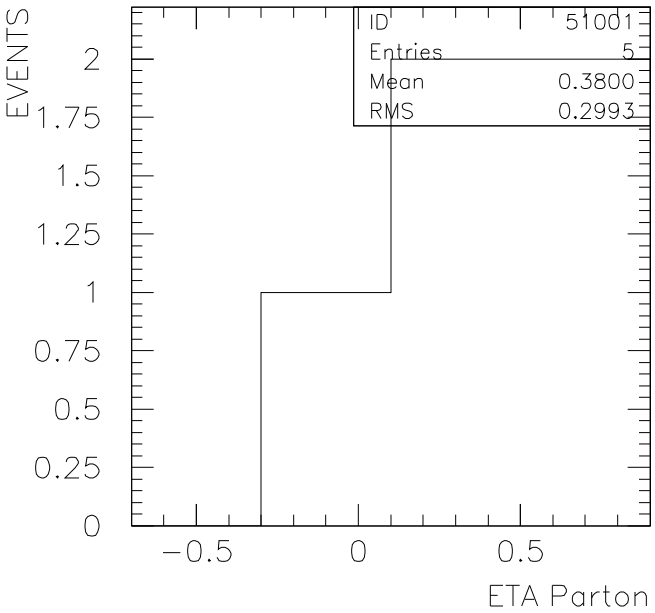


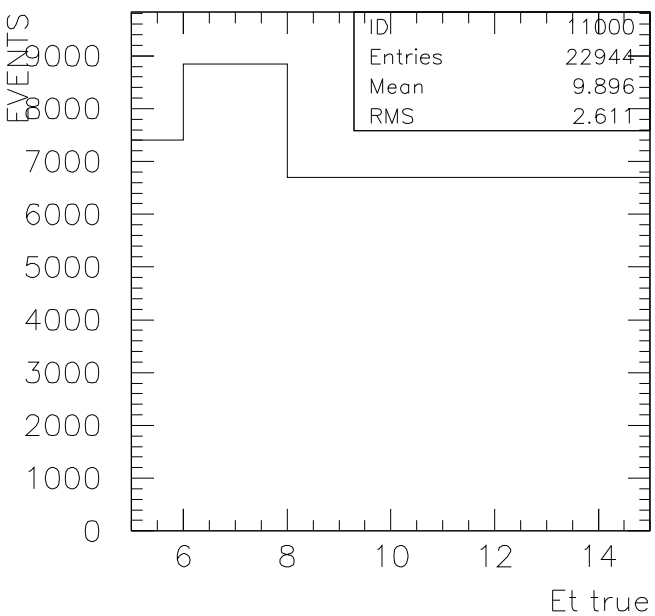


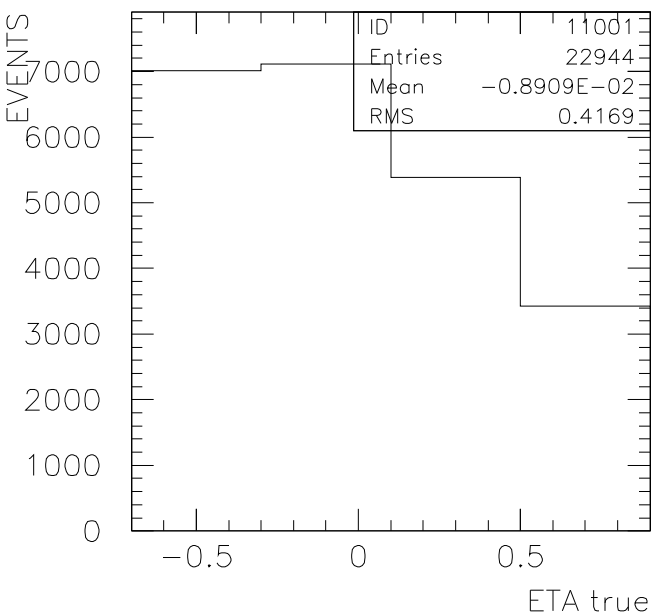
2014/09/12 08.15

Photon + Jet, Parton−True



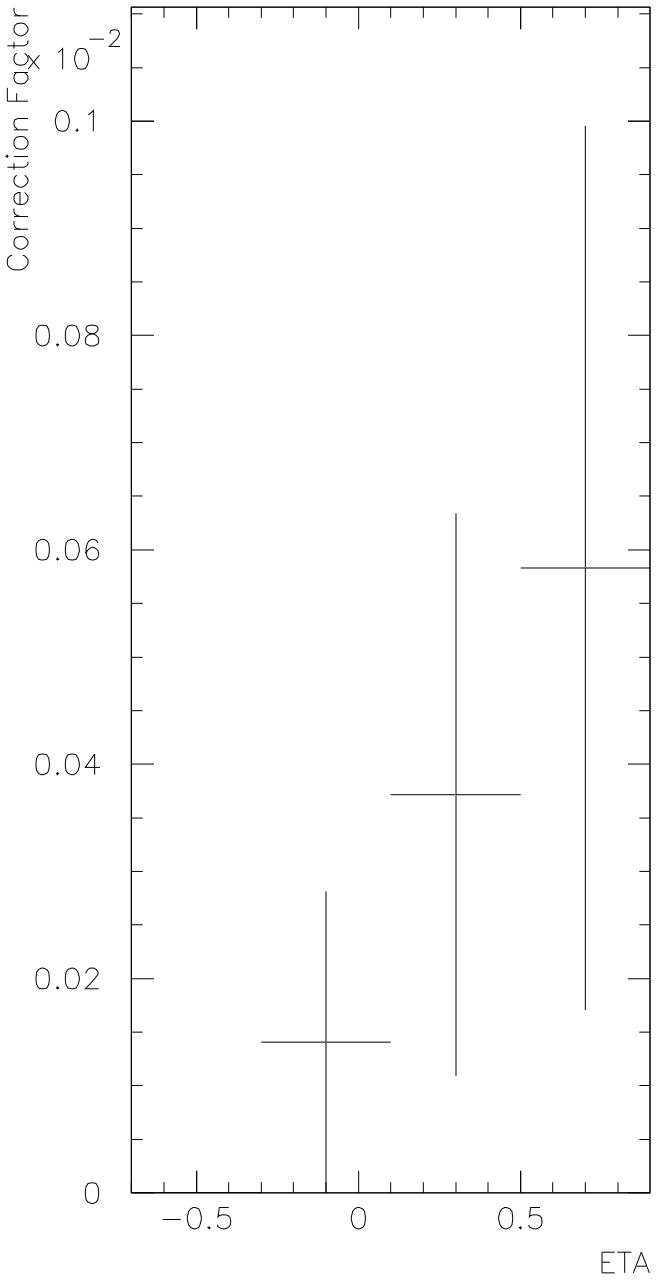


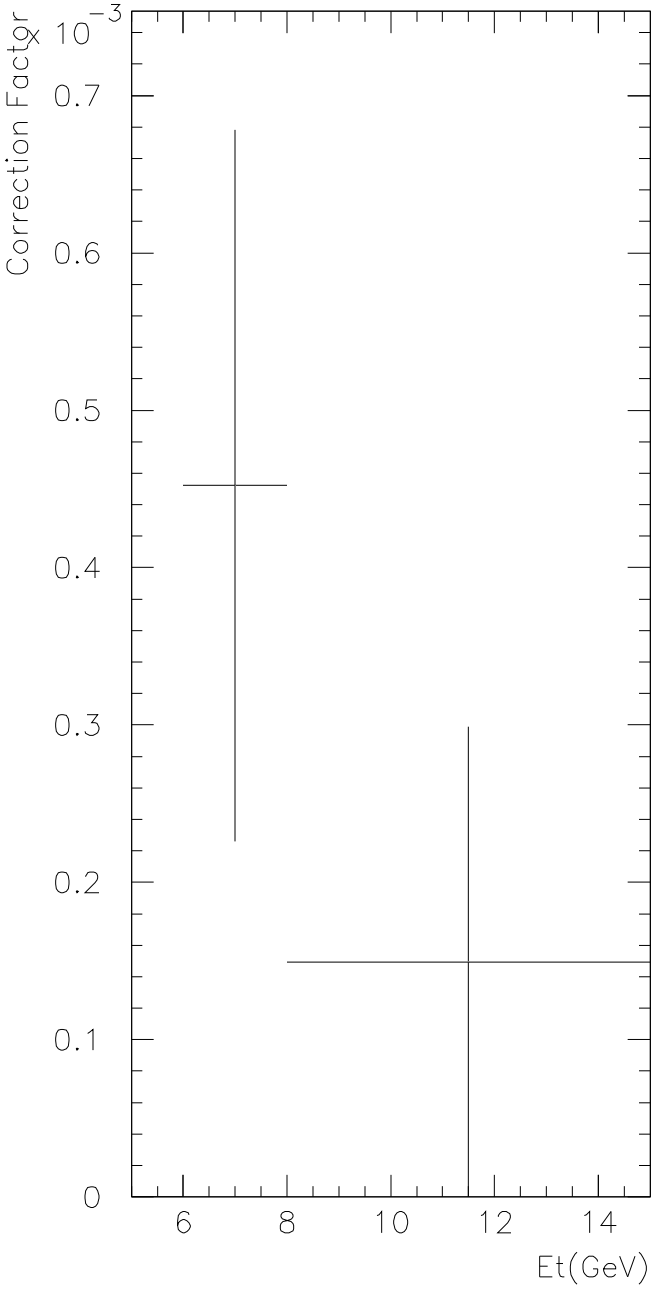




2014/09/12 08.15

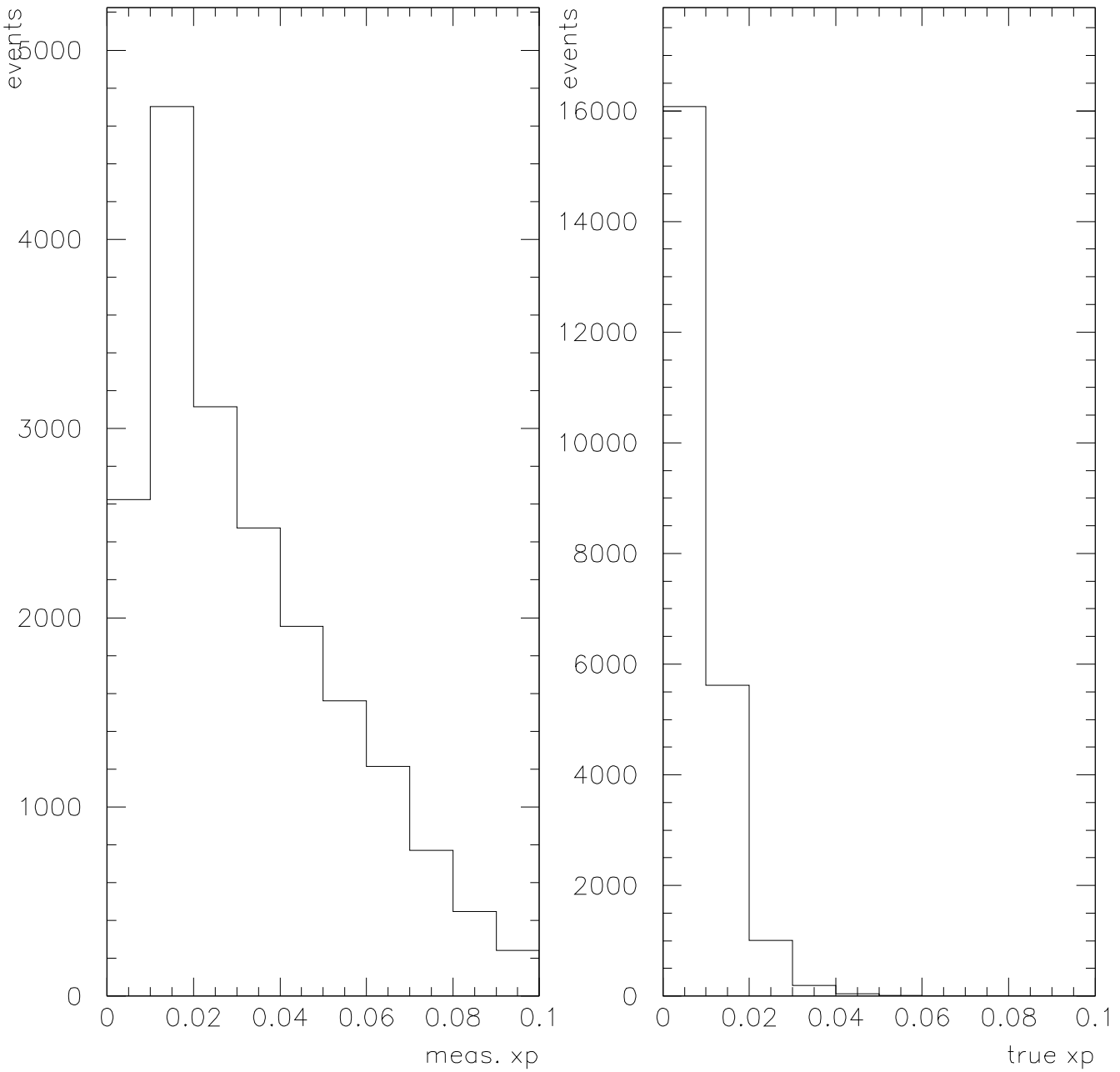
corr. factor truth to parton Photon + Jet



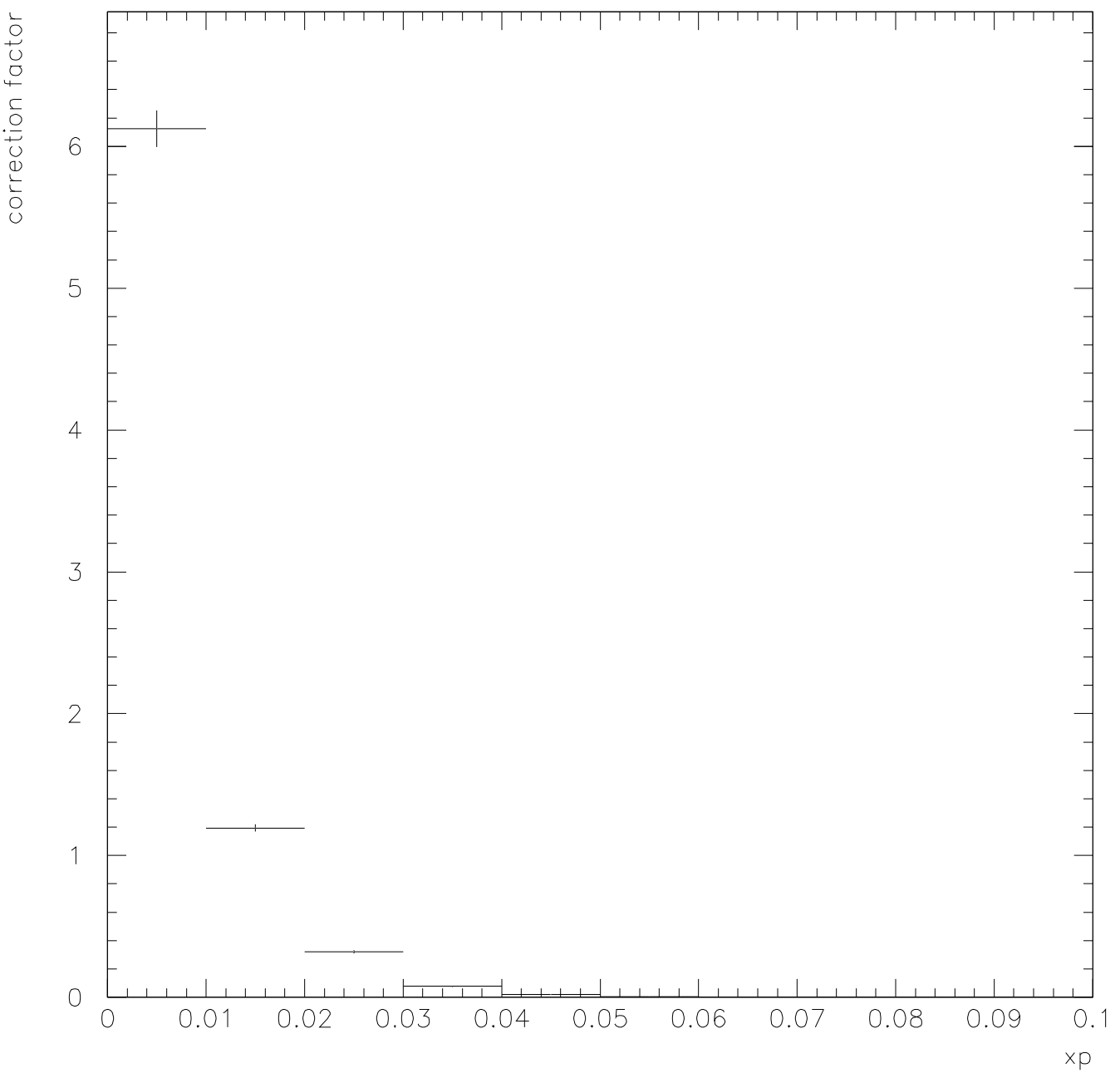


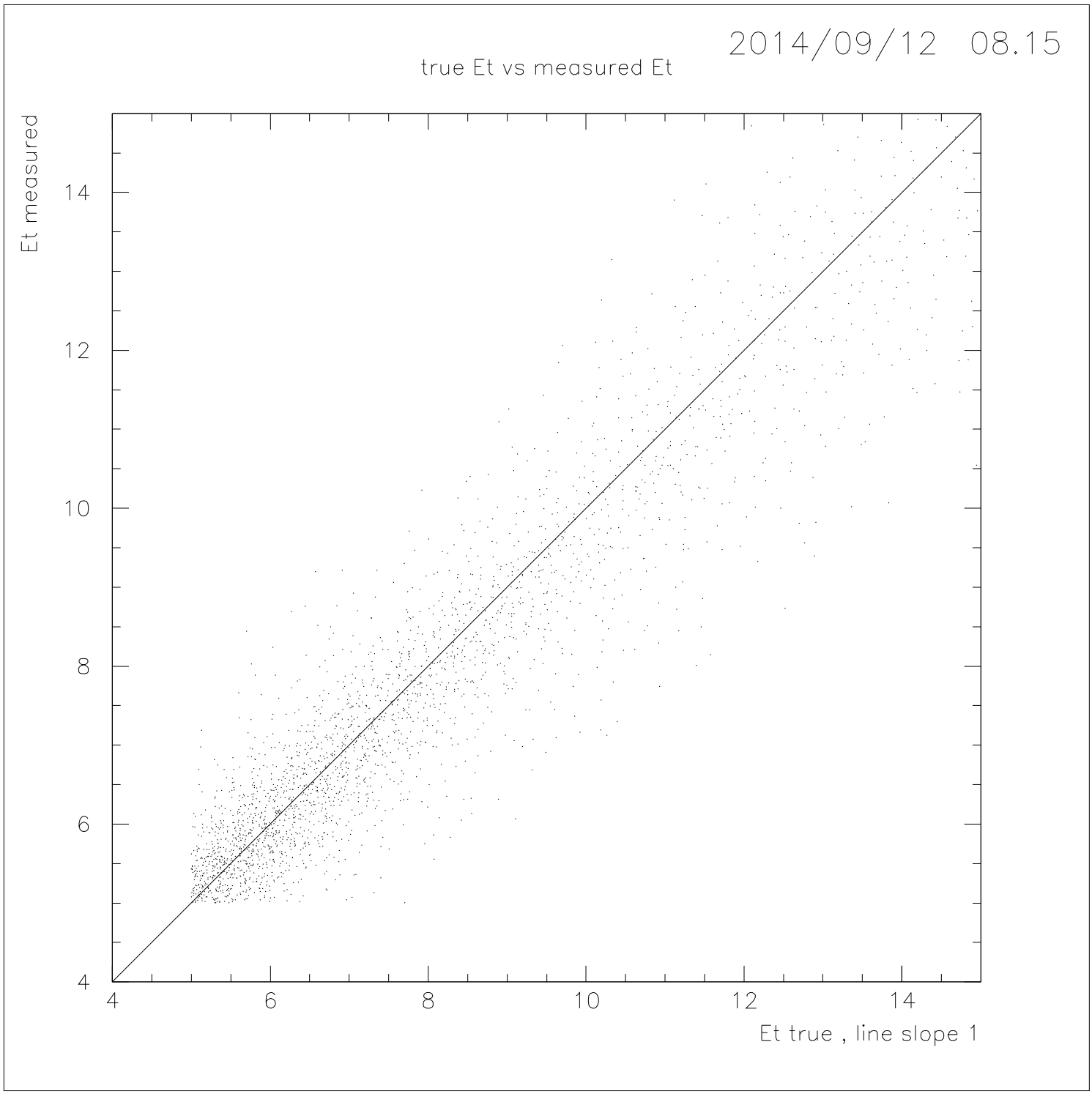
2014/09/12 08.15

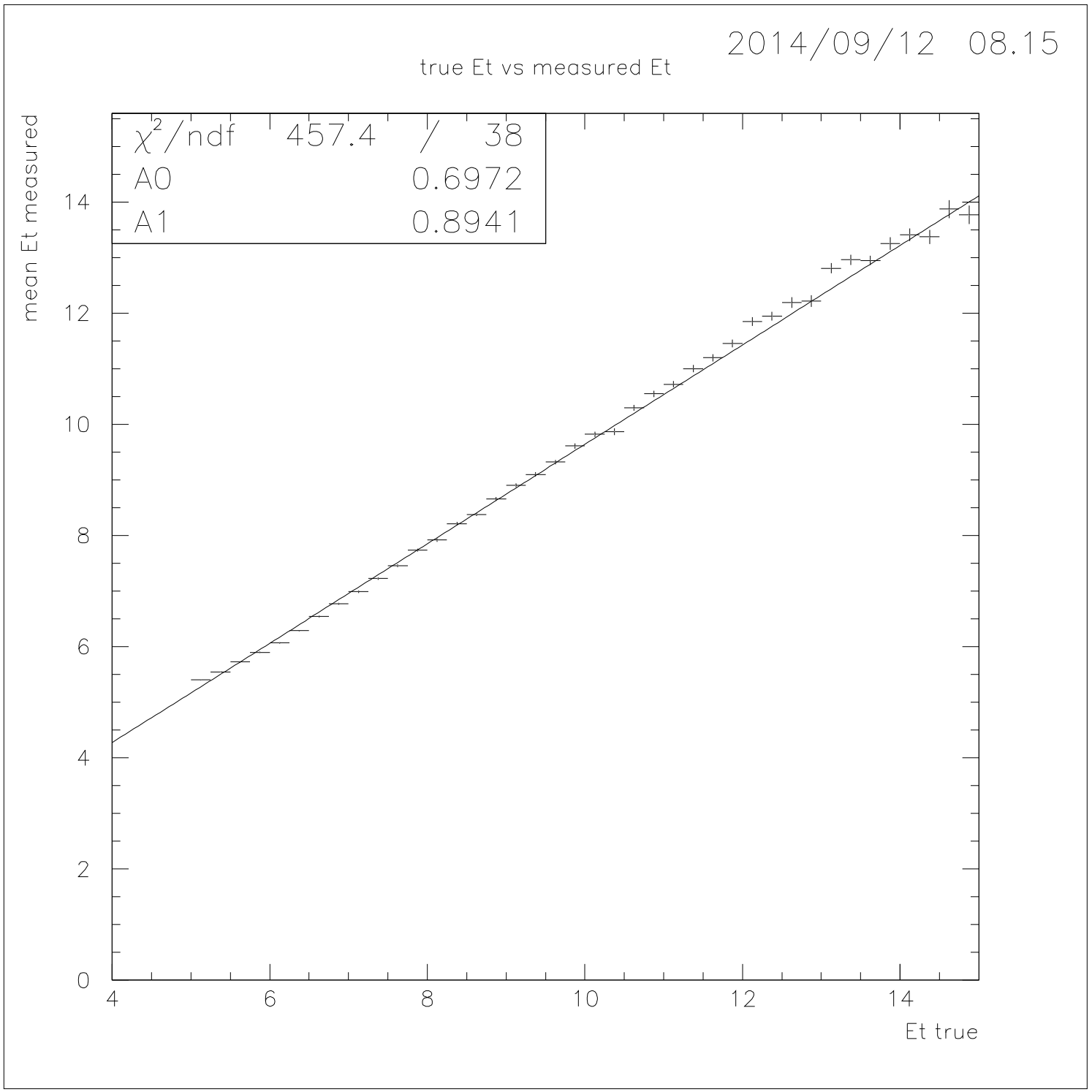
correction factor meas to truth xp

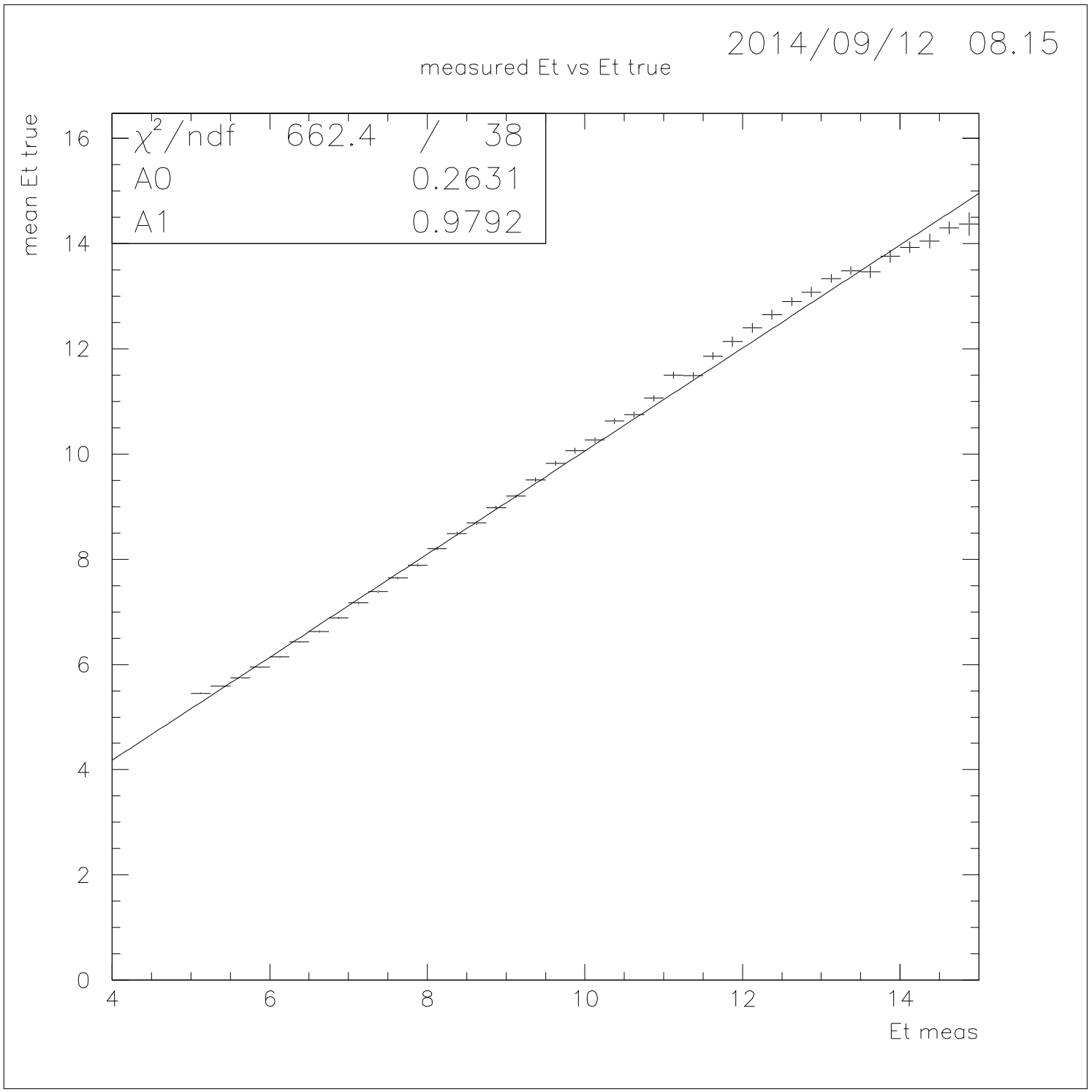


2014/09/12 08.15




2014/09/12 08.15
true Et vs measured Et
Et measured
14
12
10
8
6
4
4
6
8
10
12
14
Et true , line slope 1


2014/09/12 08.15
true Et vs measured Et
χ²/ndf 457.4 / 38
A0 0.6972
A1 0.8941
mean Et measured
Et true
0
2
4
6
8
10
12
14
4
6
8
10
12
14


2014/09/12 08.15
measured Et vs Et true
χ²/ndf 662.4 / 38
A0 0.2631
A1 0.9792
mean Et true
Et meas
0
2
4
6
8
10
12
14
16
4
6
8
10
12
14