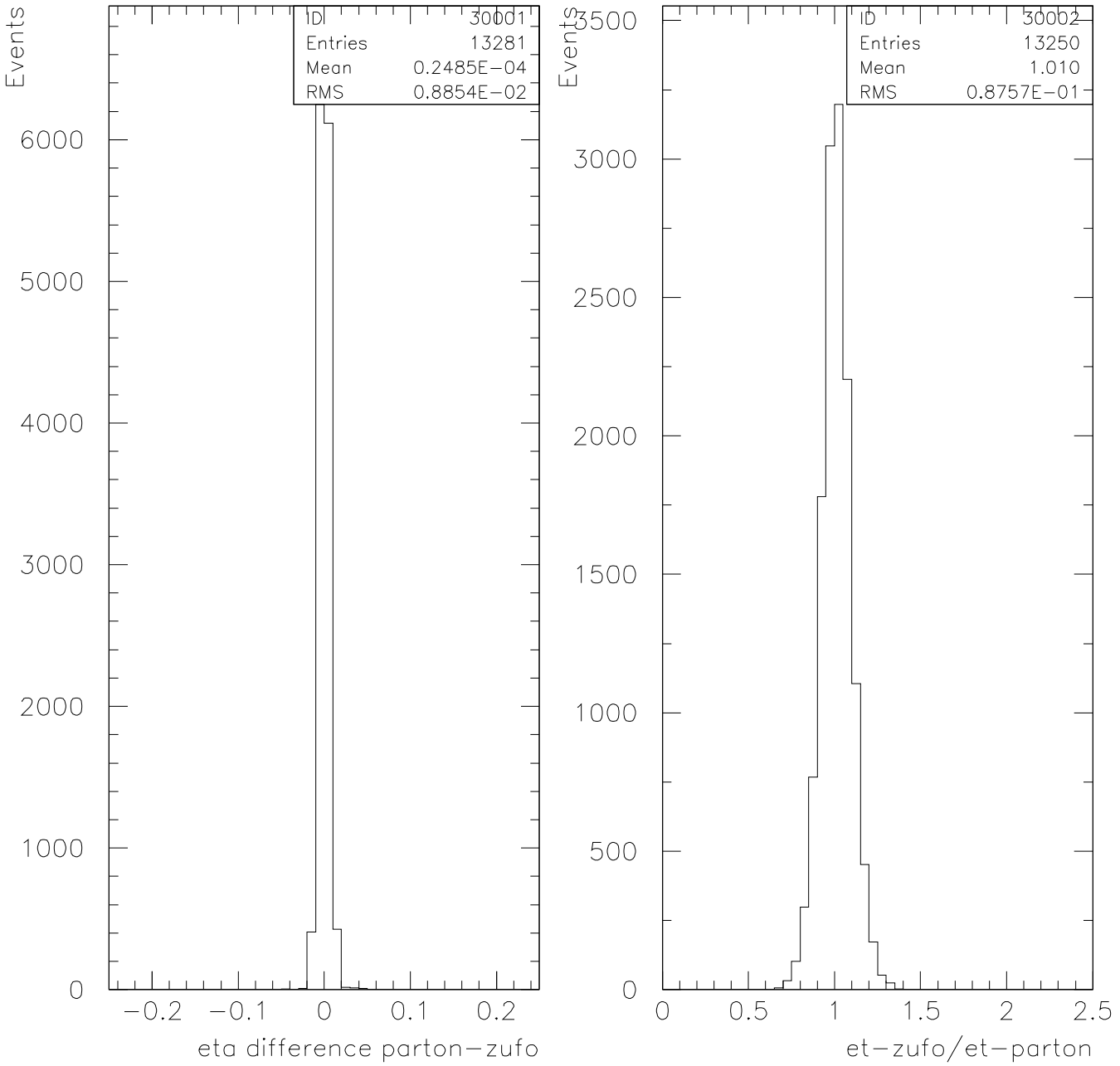
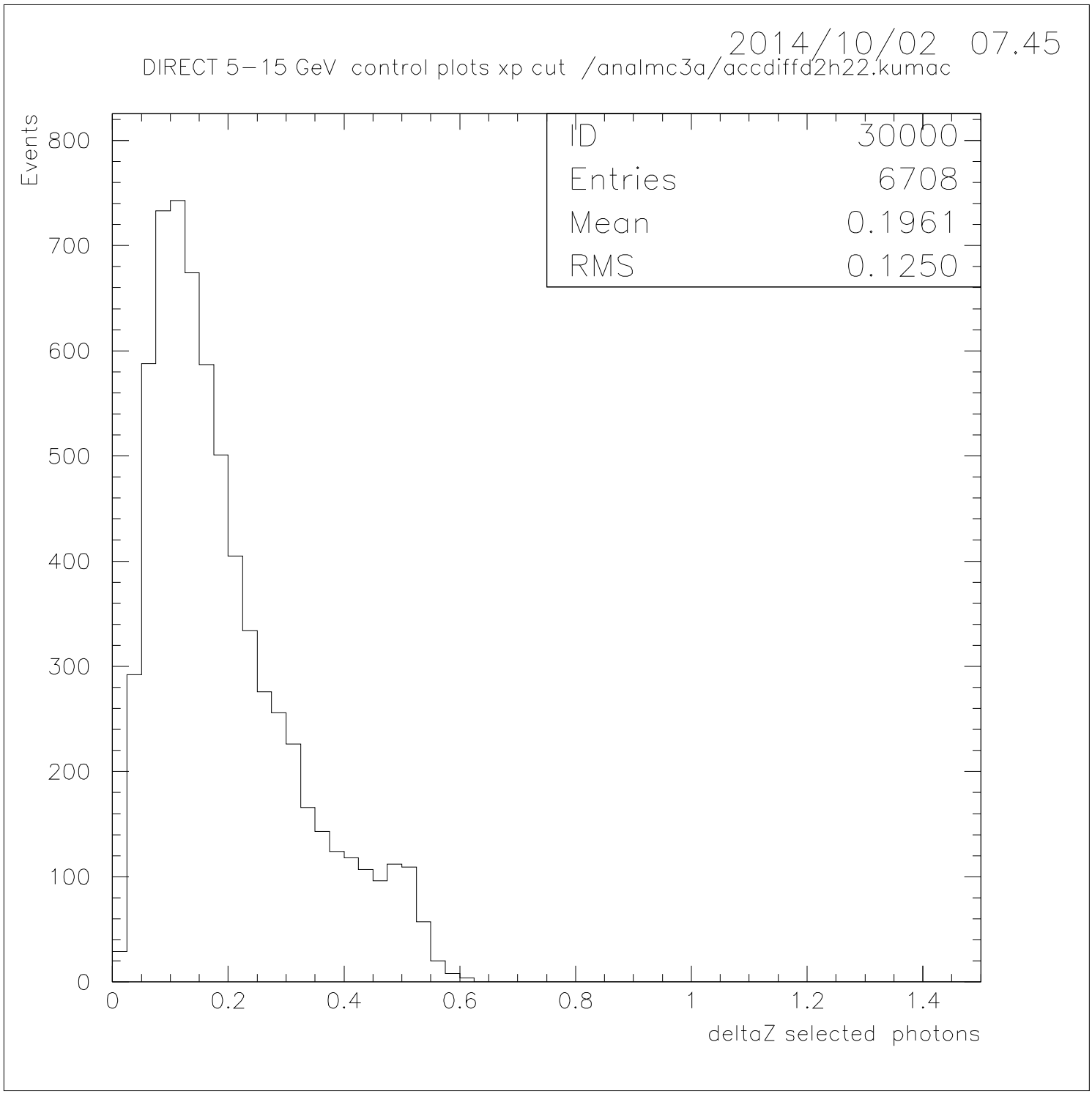
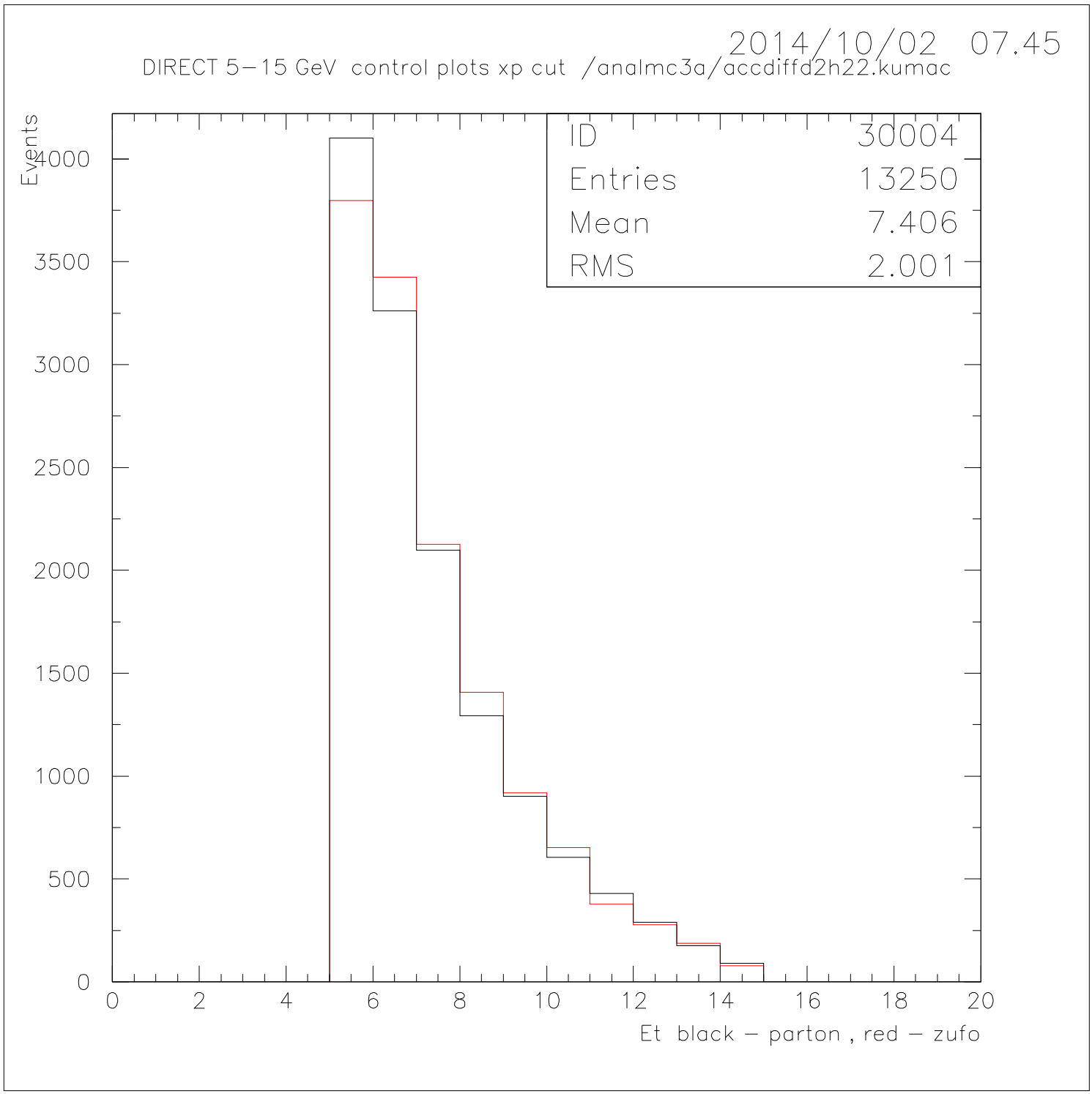
2014/10/02 07.45

DIRECT 5−15 GeV control plots xp cut /analmc3a/accdiffd2h22.kumac

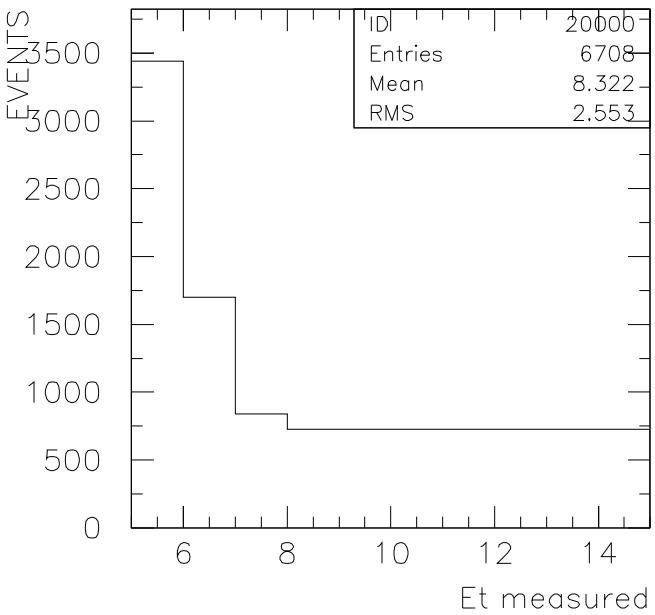


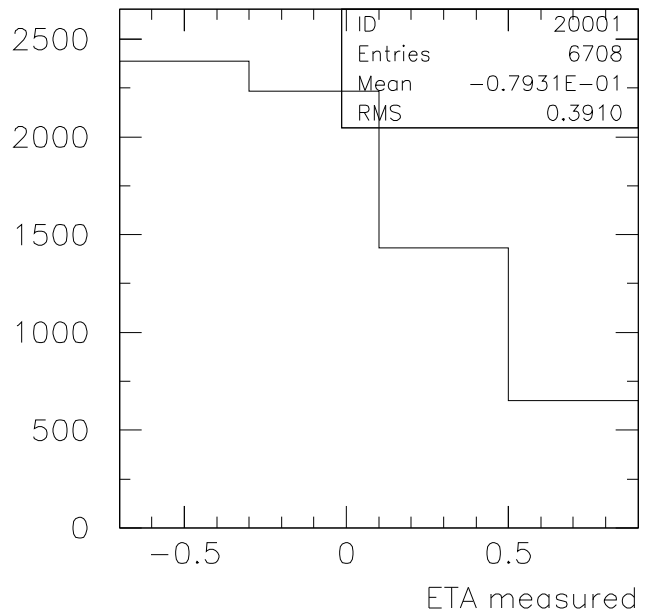

2014/10/02 07.45
DIRECT 5−15 GeV control plots xp cut /analmc3a/accdiffd2h22.kumac
ID 30000
Entries 6708
Mean 0.1961
RMS 0.1250
Events
800
700
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ selected photons

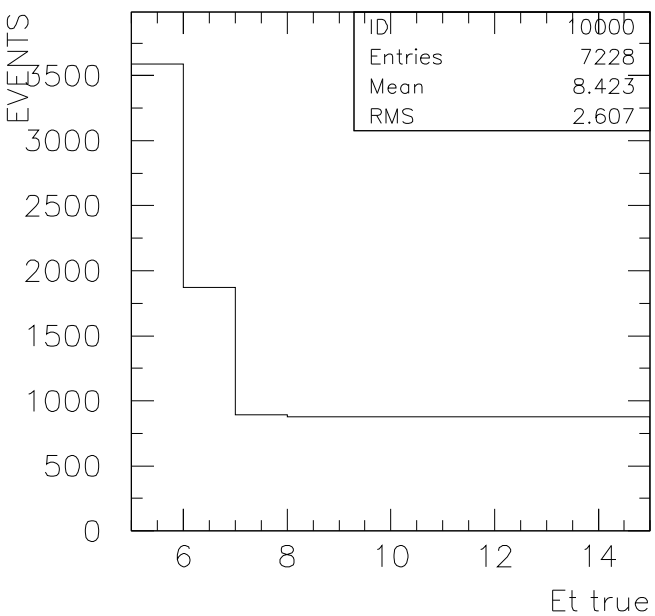

2014/10/02 07.45
DIRECT 5−15 GeV control plots xp cut /analmc3a/accdiffd2h22.kumac
ID 30004
Entries 13250
Mean 7.406
RMS 2.001
Events
4000
3500
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Et black − parton , red − zufo

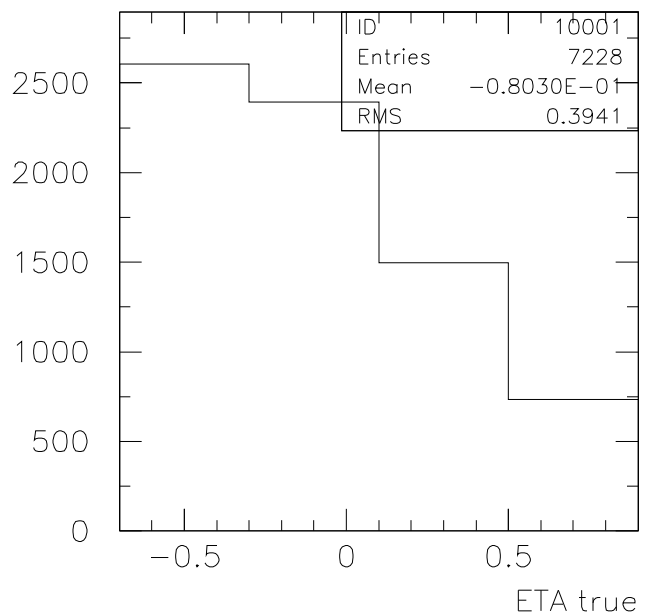
2014/10/02 07.45

inclusive accdiffd2.kumac



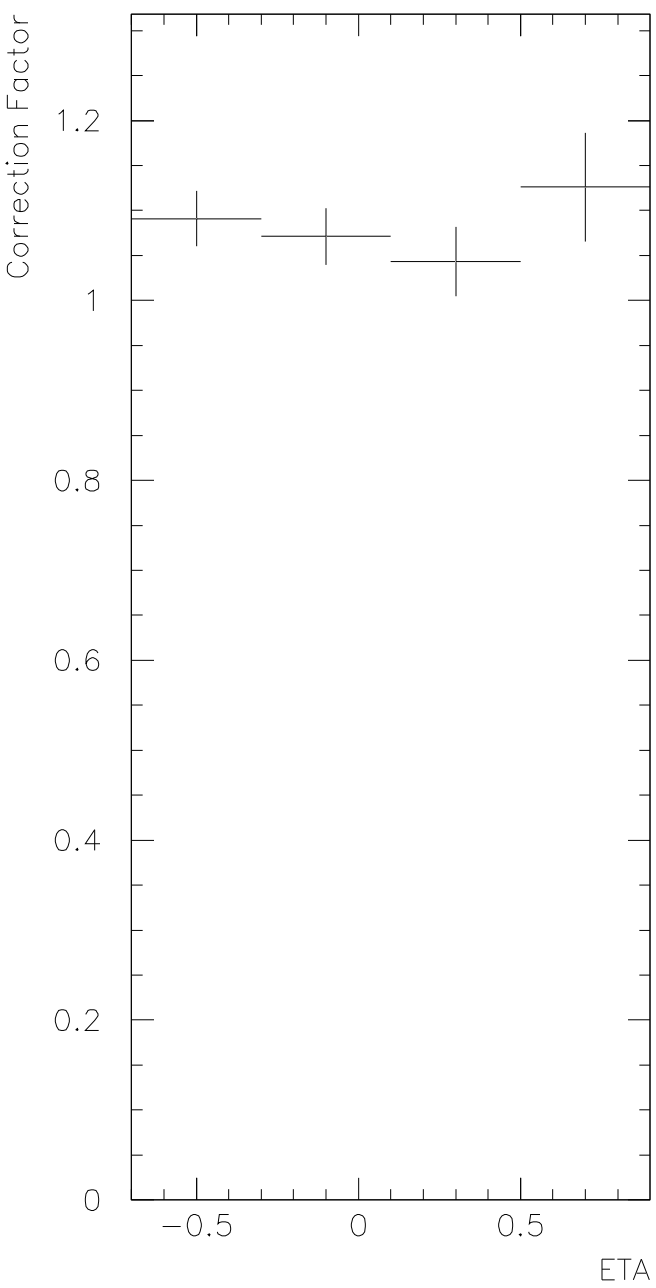


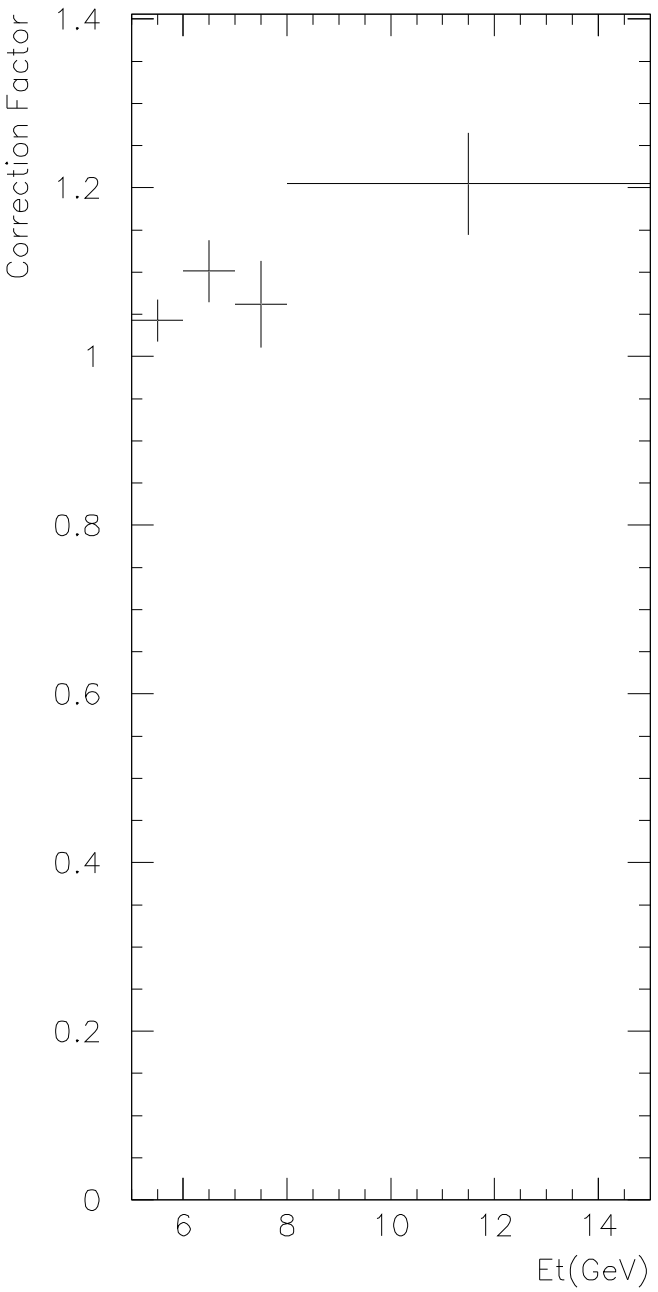




2014/10/02 07.45

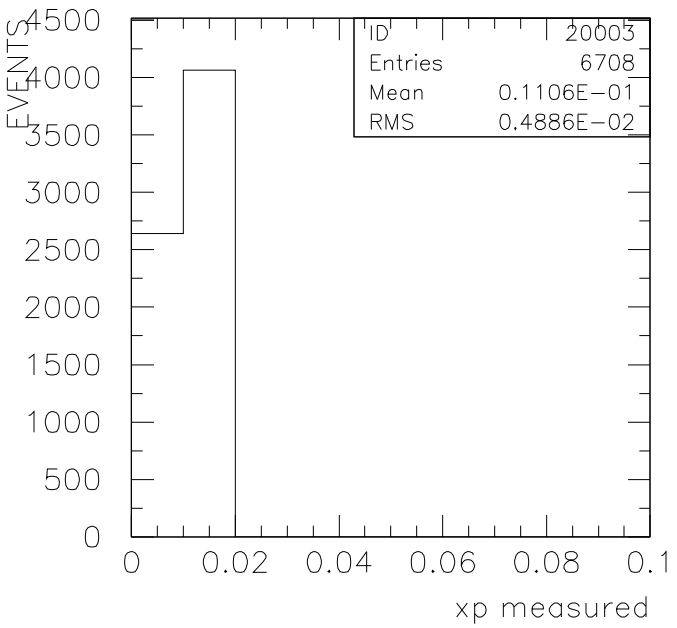
DIRECT corr. factor measured to truth inclusive

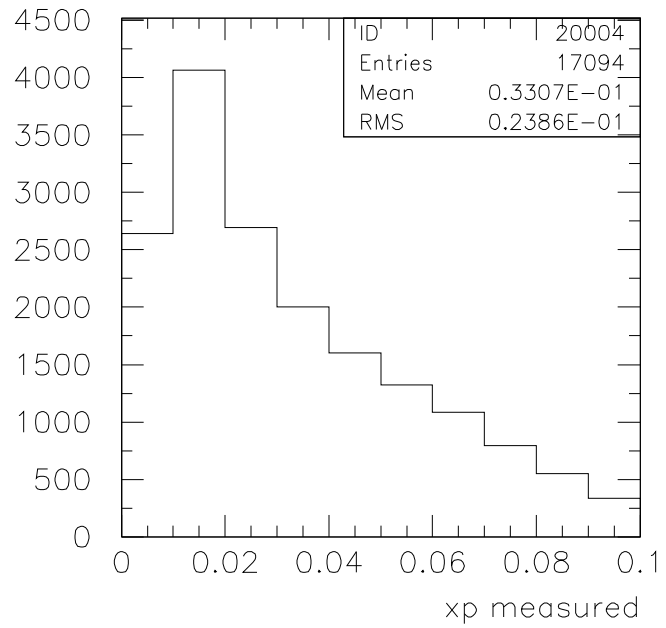


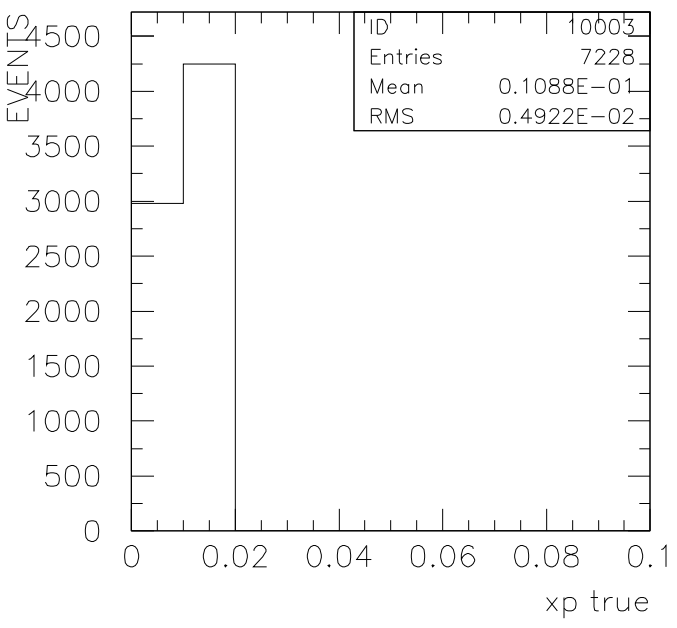


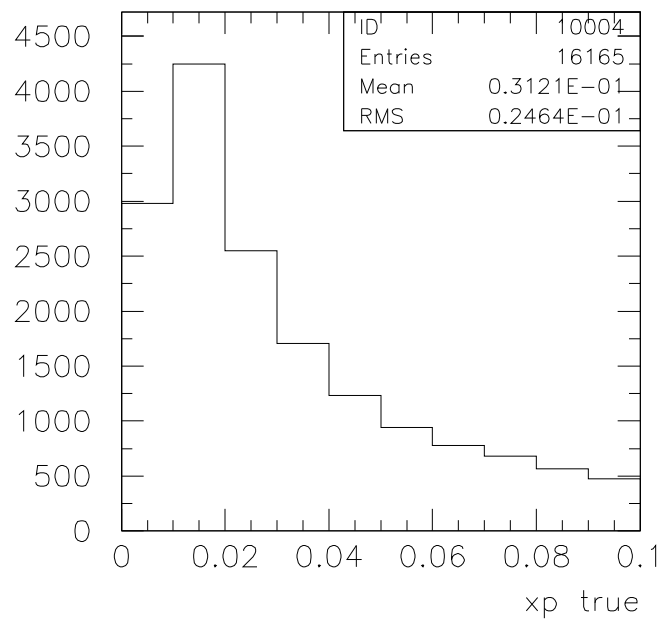
2014/10/02 07.45

inclusive accdiffd2.kumac



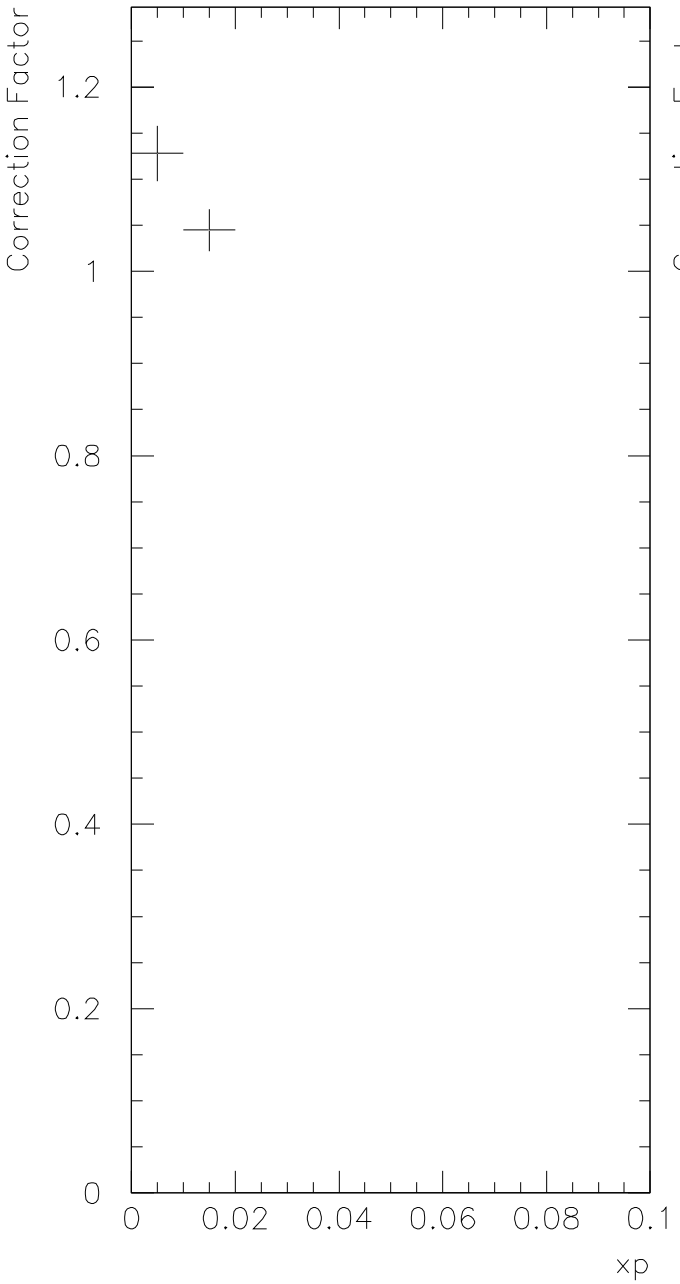


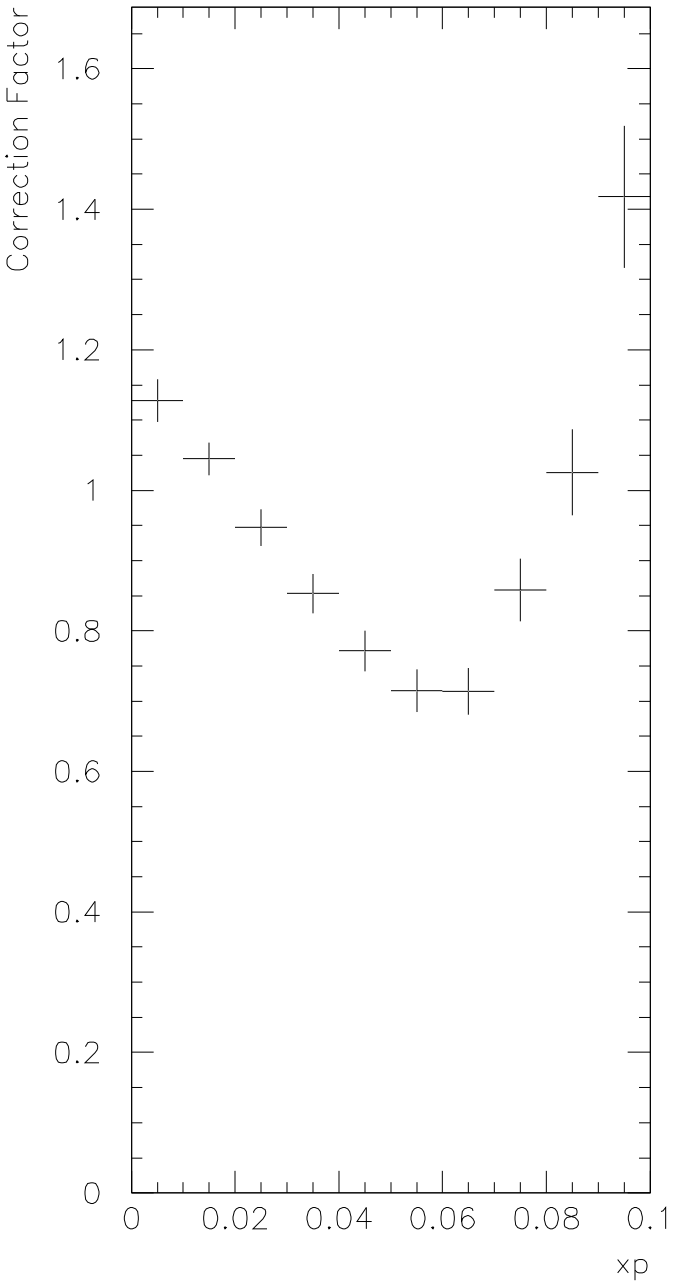




2014/10/02 07.45

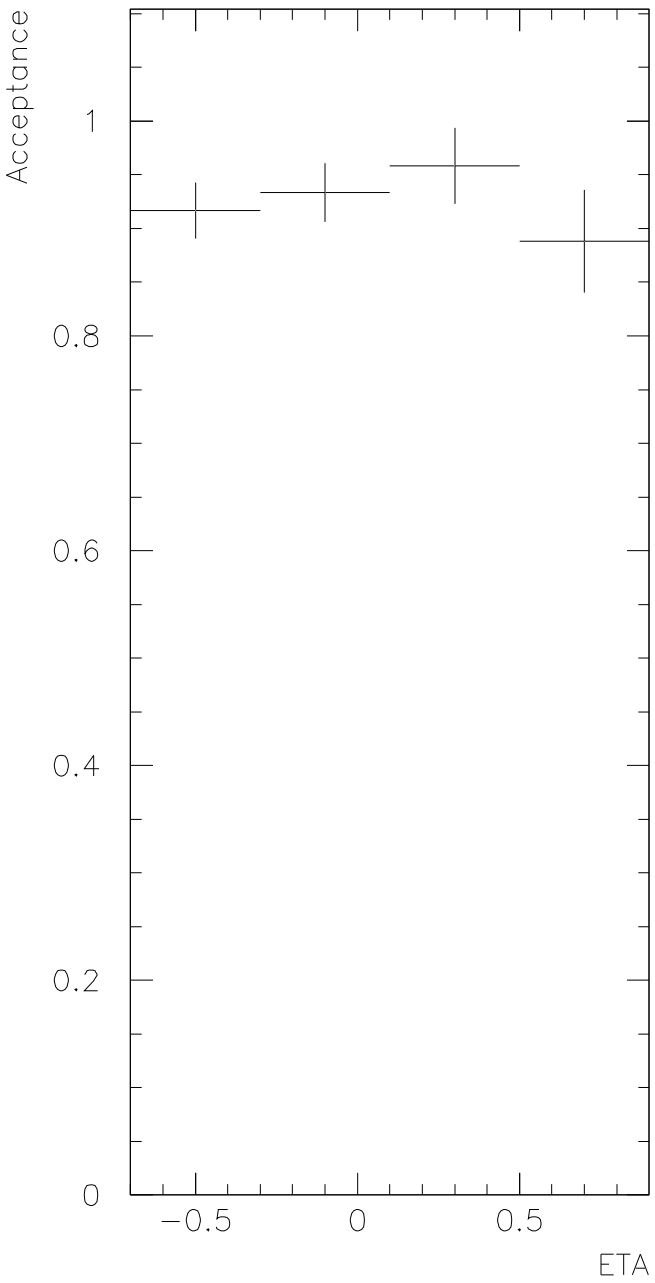
DIRECT corr. factor measured to truth inclusive

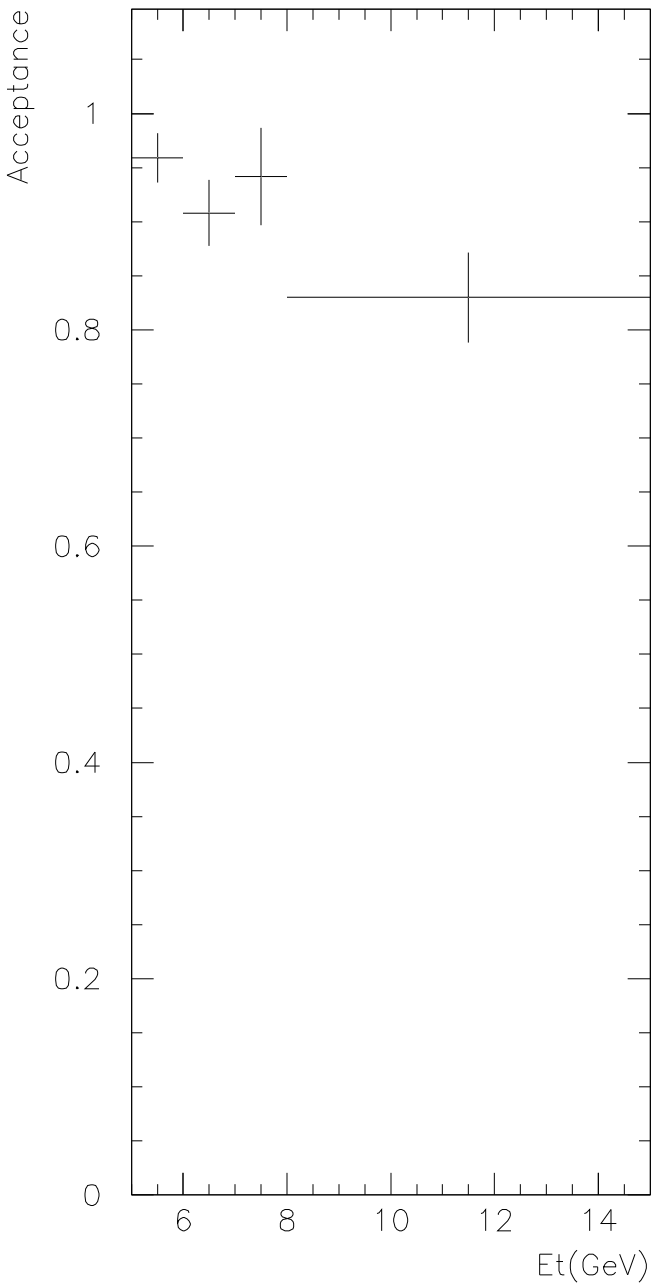




2014/10/02 07.45

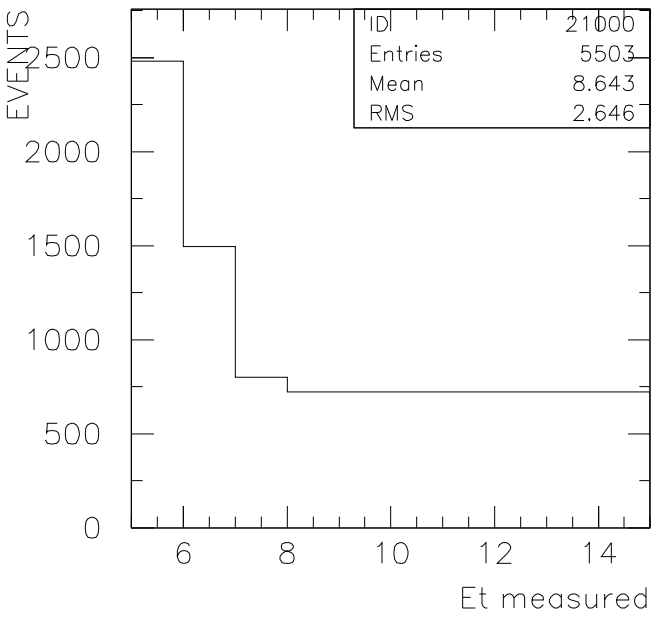
DIRECT Acceptance (measured divided by truth) inclusive

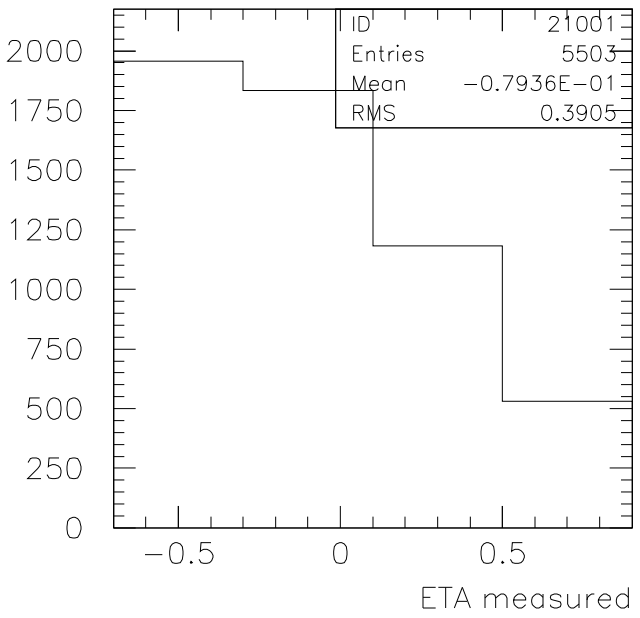


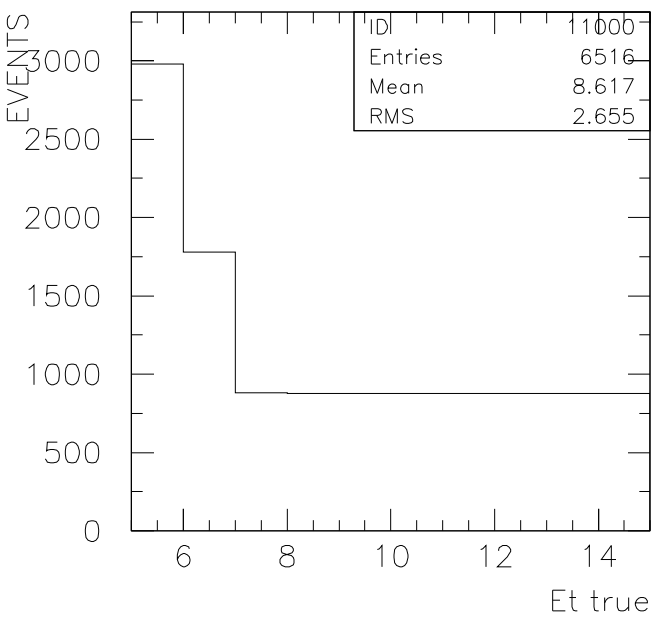


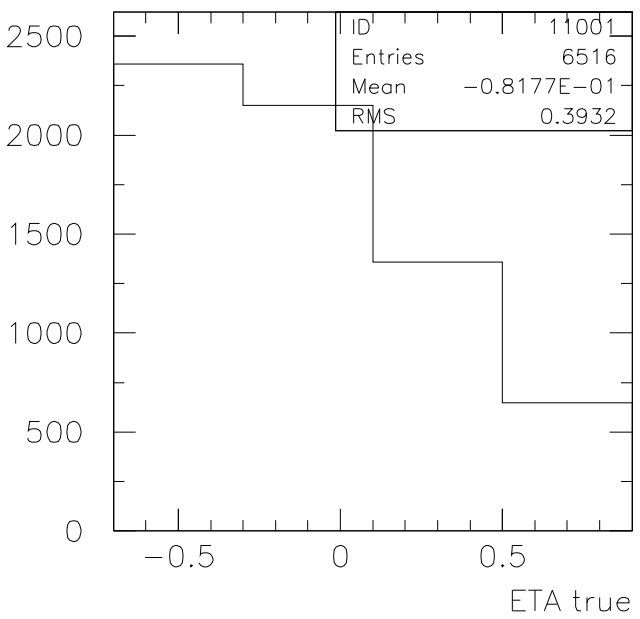
2014/10/02 07.45

Photon + jet



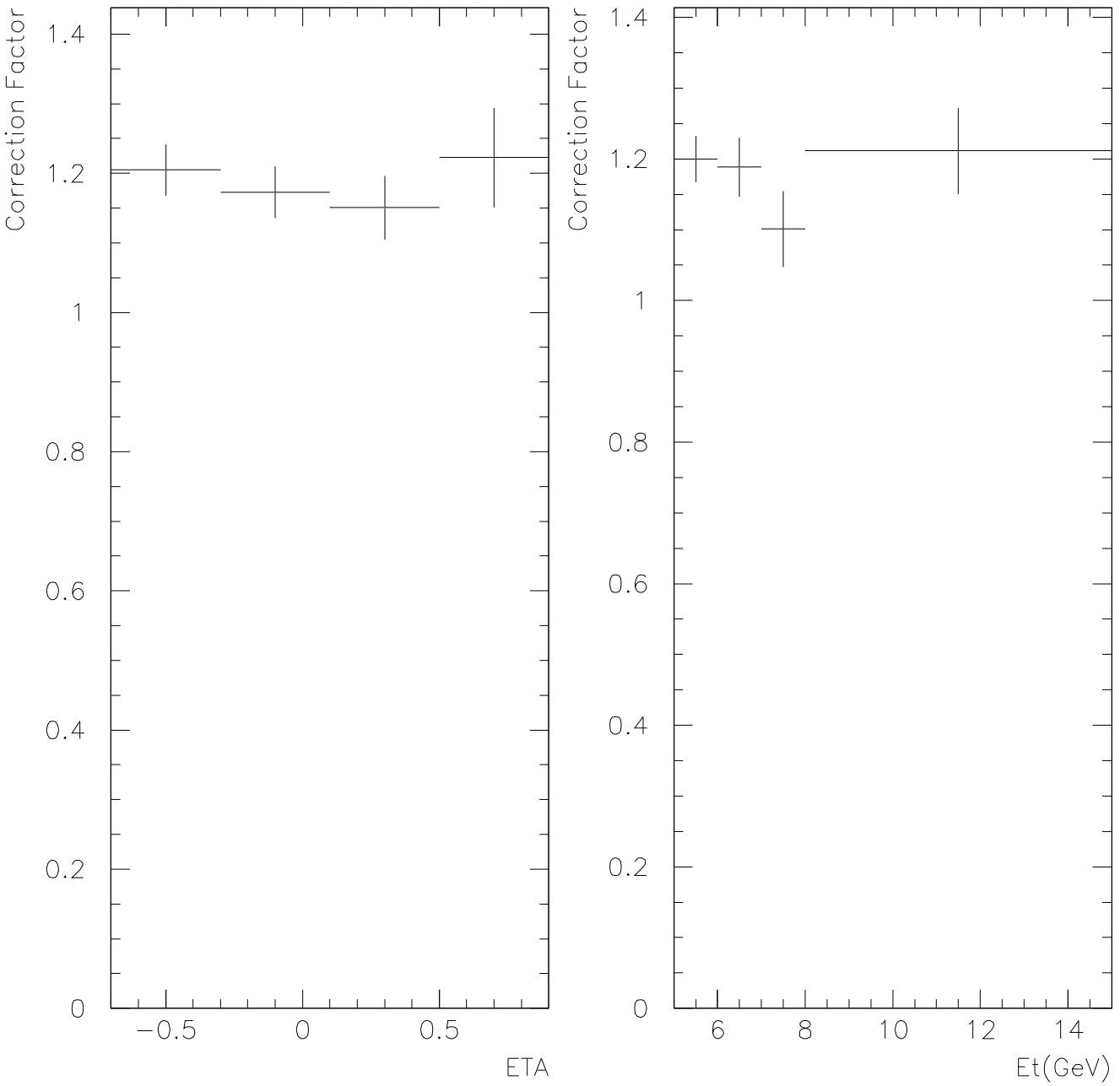






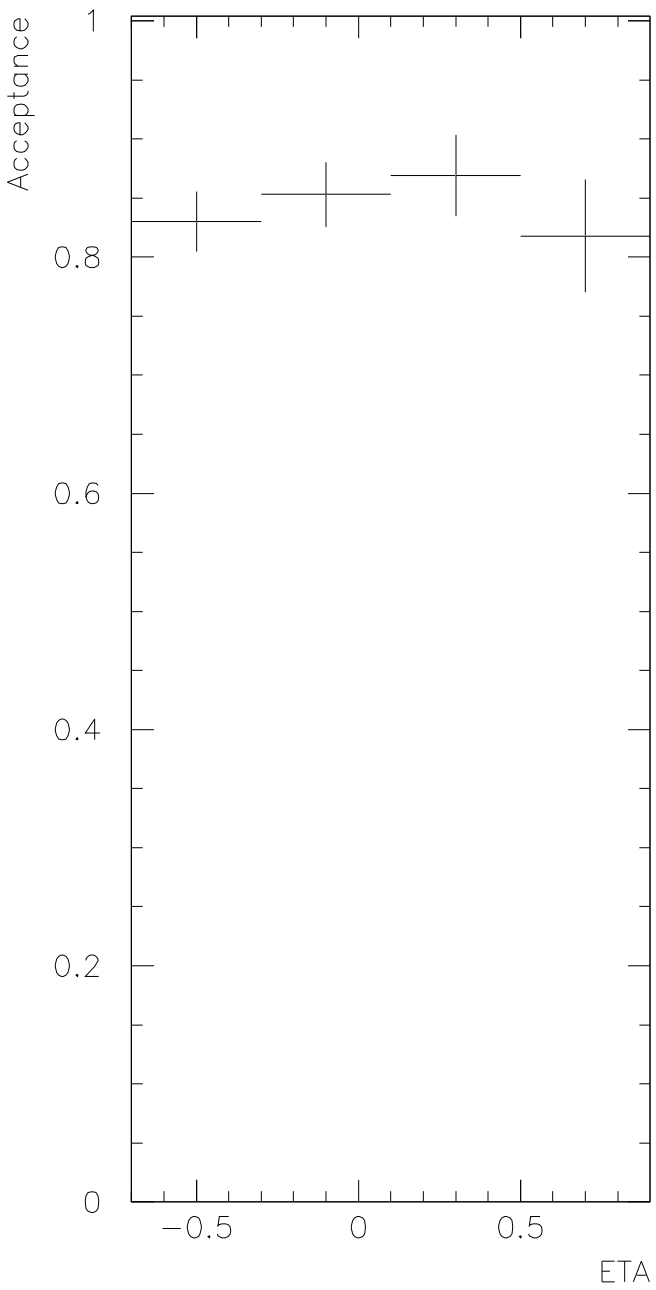
2014/10/02 07.45

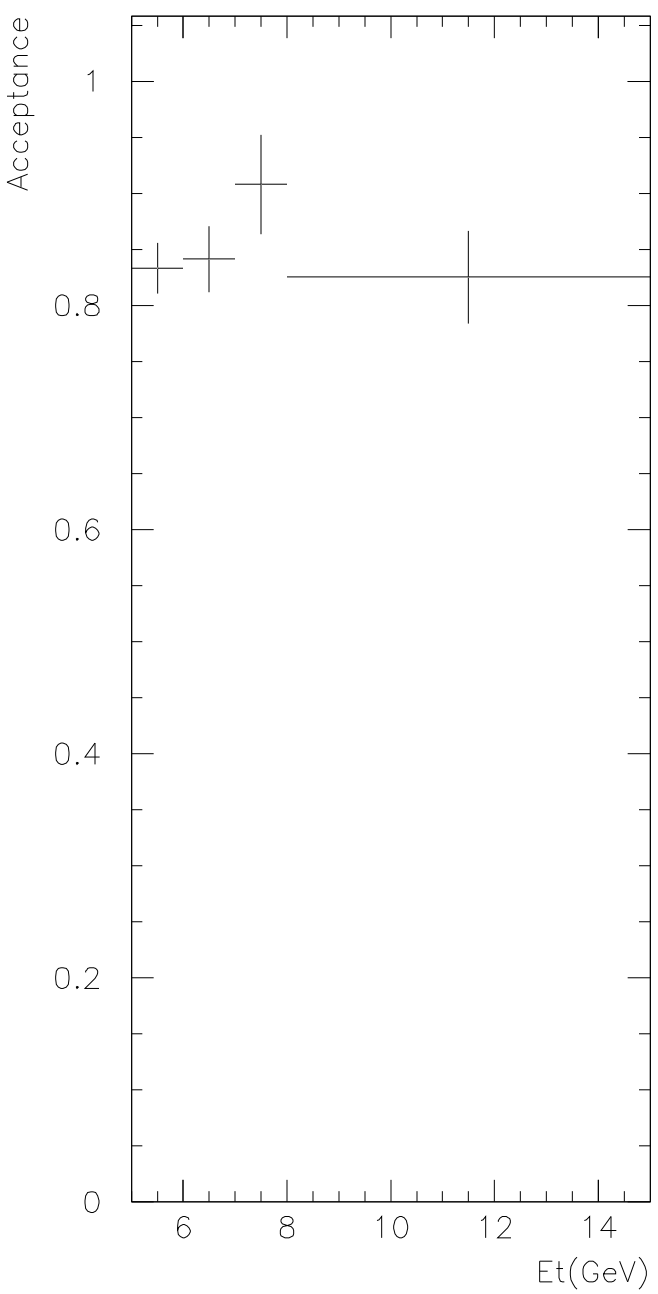
corr. factor measured to truth Photon + jet



2014/10/02 07.45

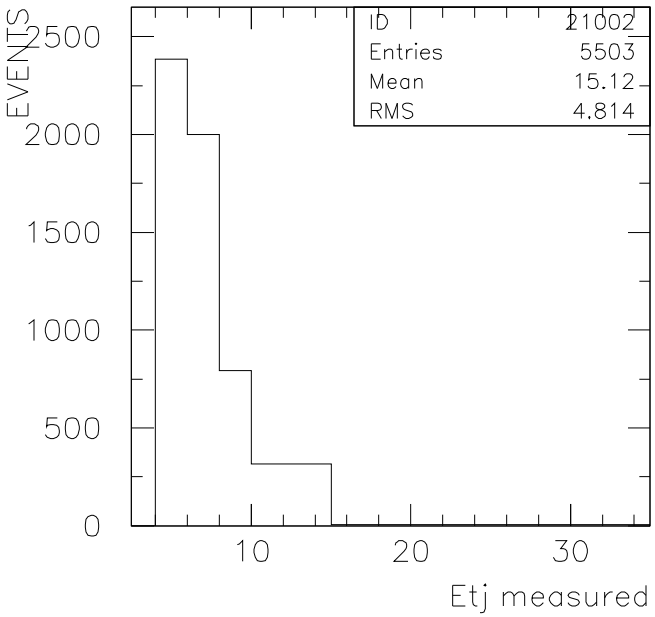
Acceptance (measured/true) Photon + jet

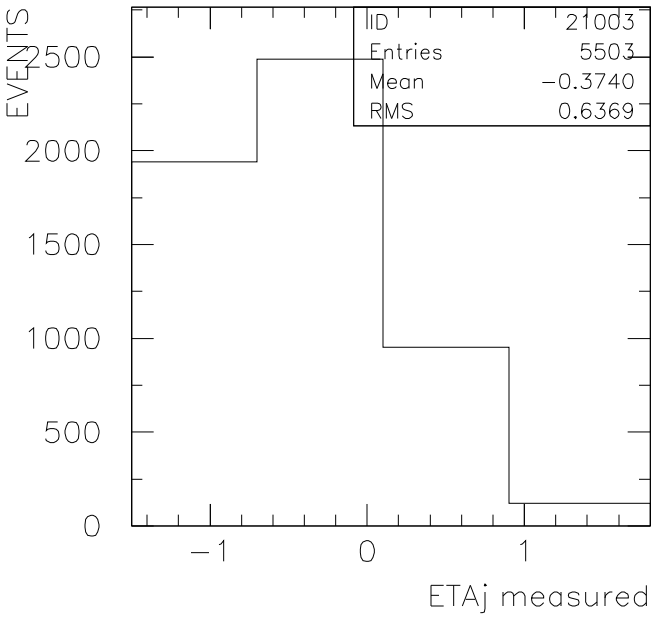


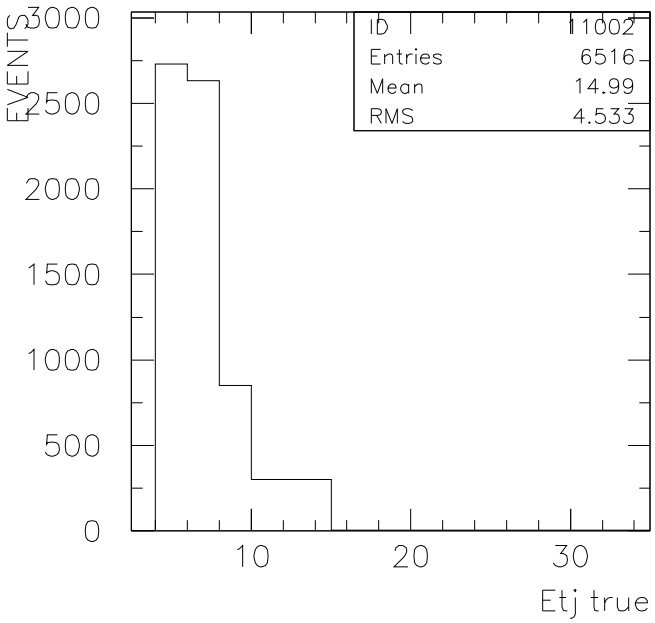


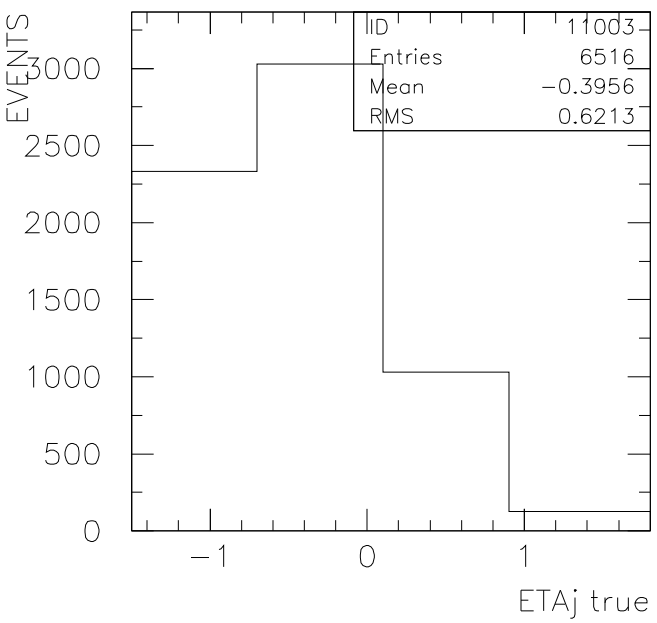
2014/10/02 07.45

Acceptance (measured/true) Photon + jet



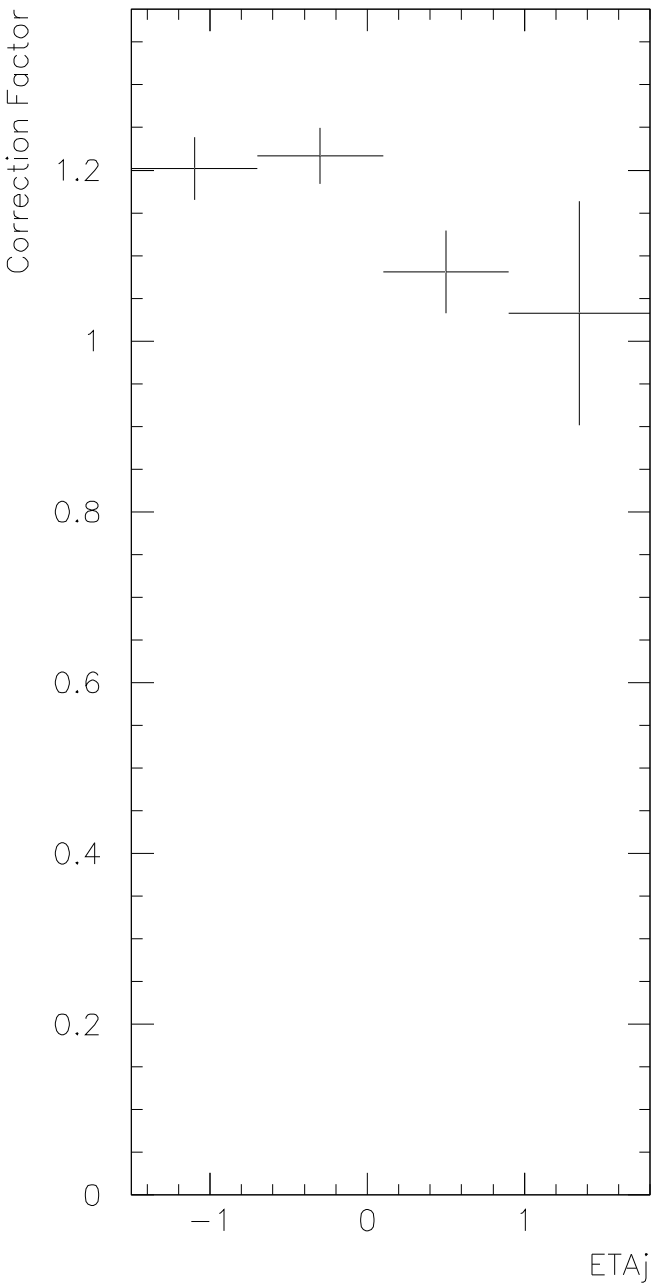


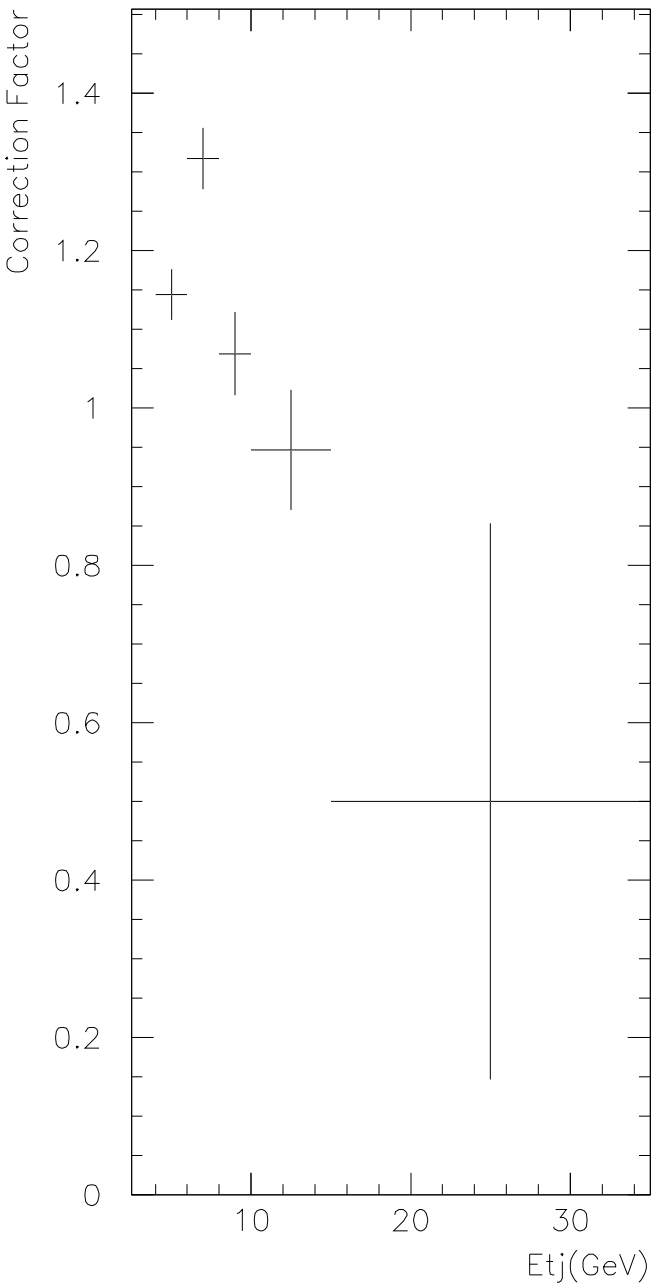




2014/10/02 07.46

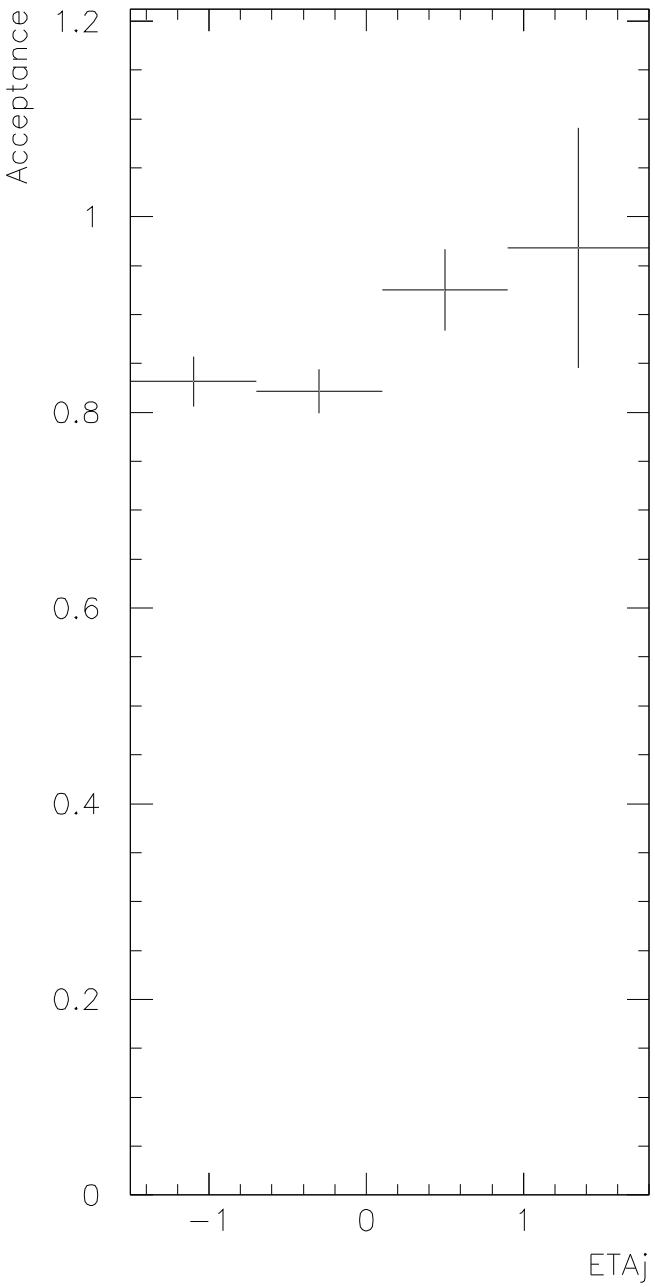
corr. factor measured to truth Photon + jet

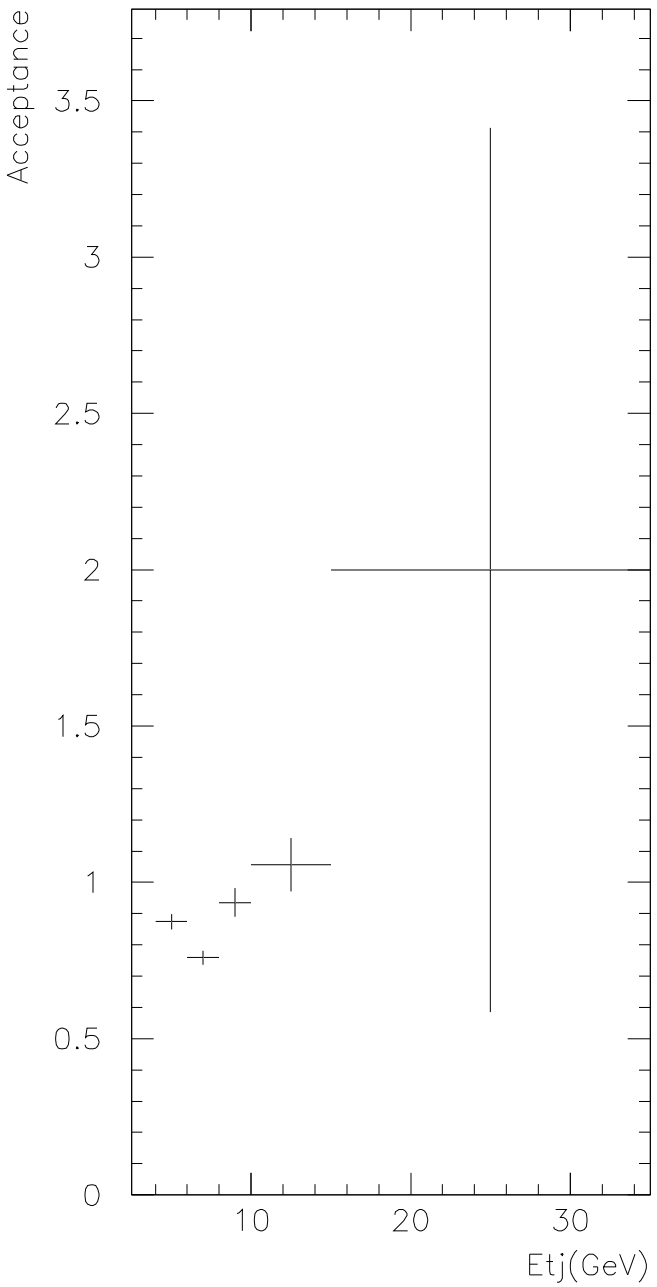




2014/10/02 07.46

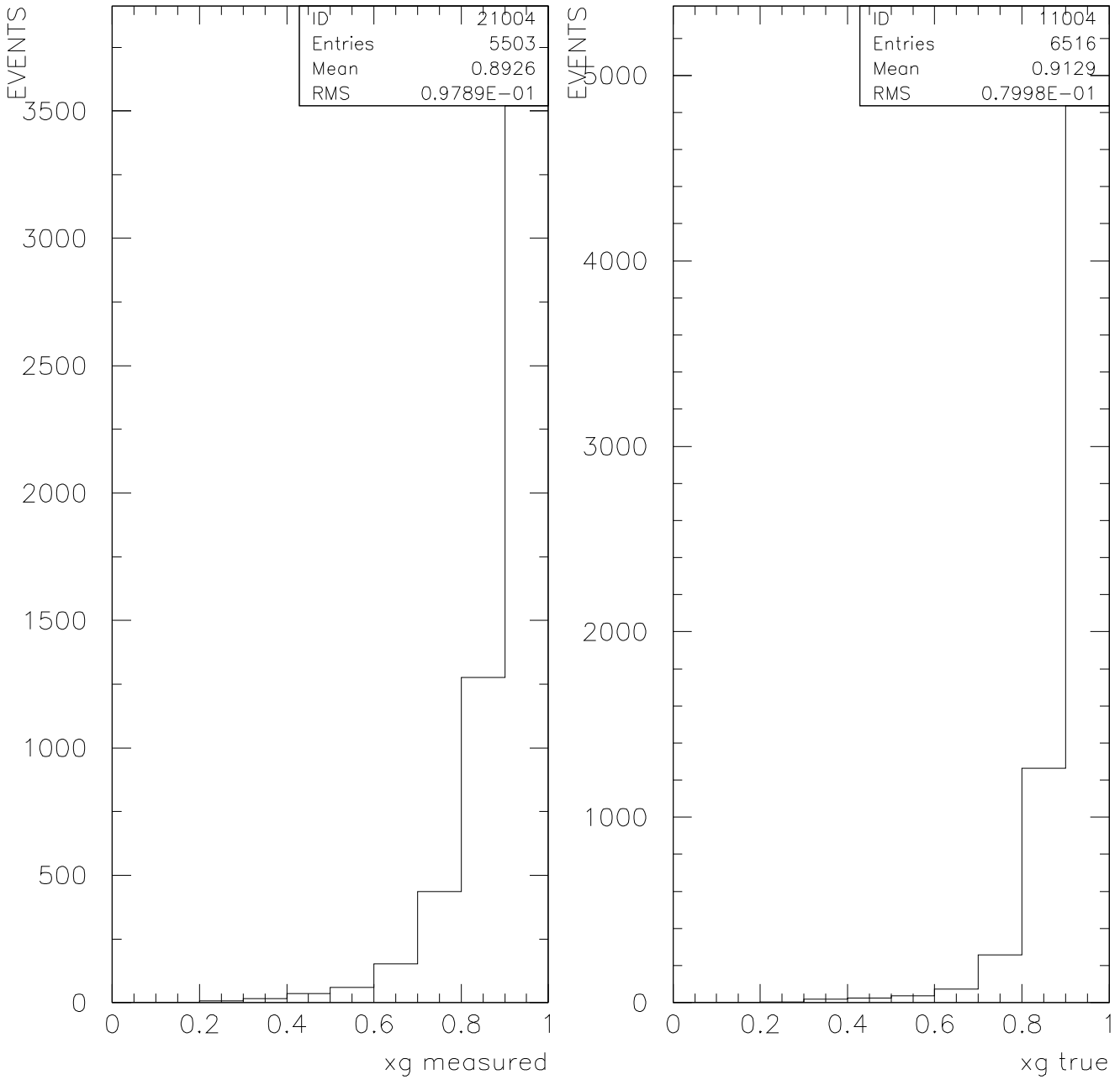
Acceptance (measured/true) Photon + jet

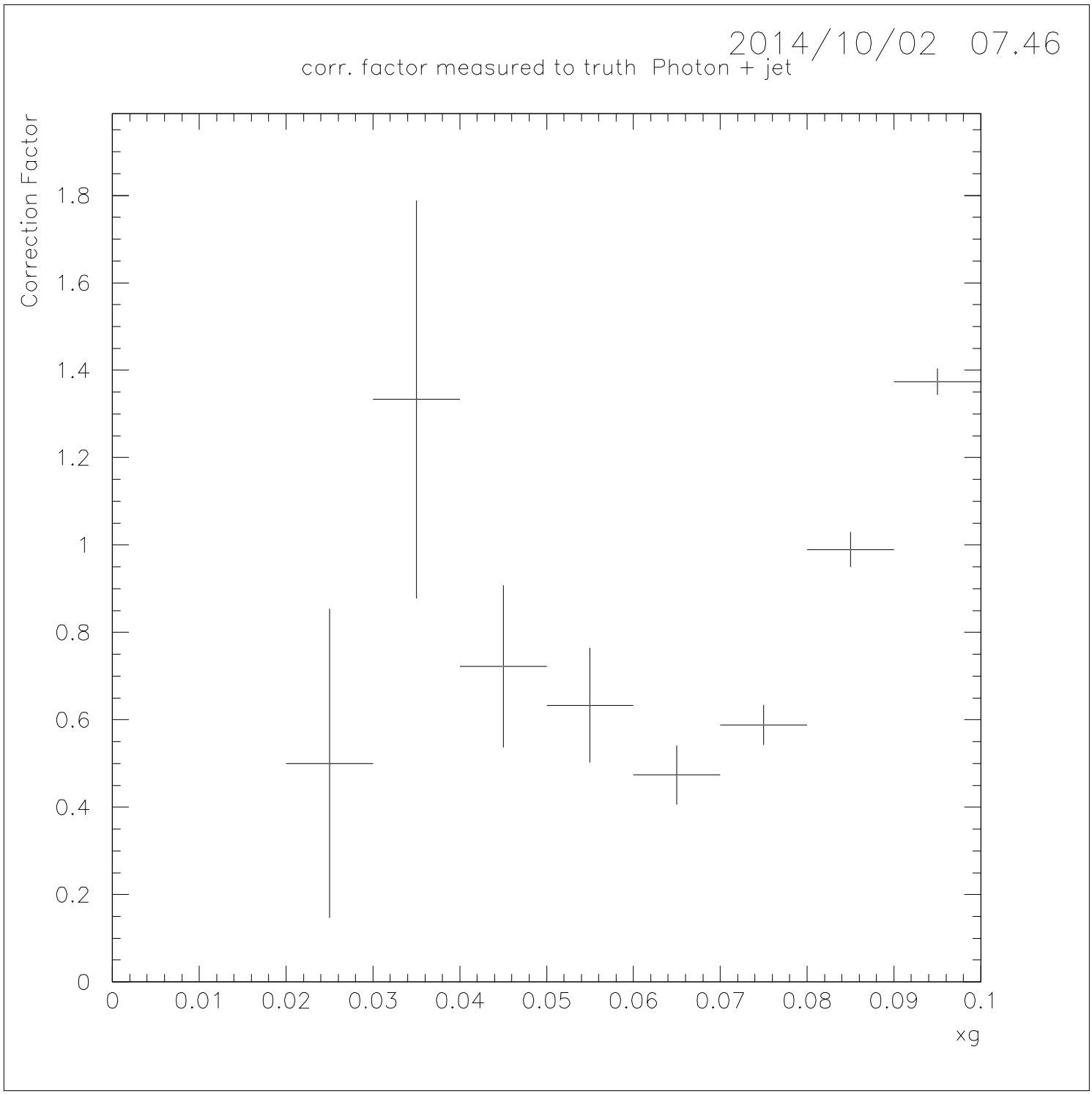


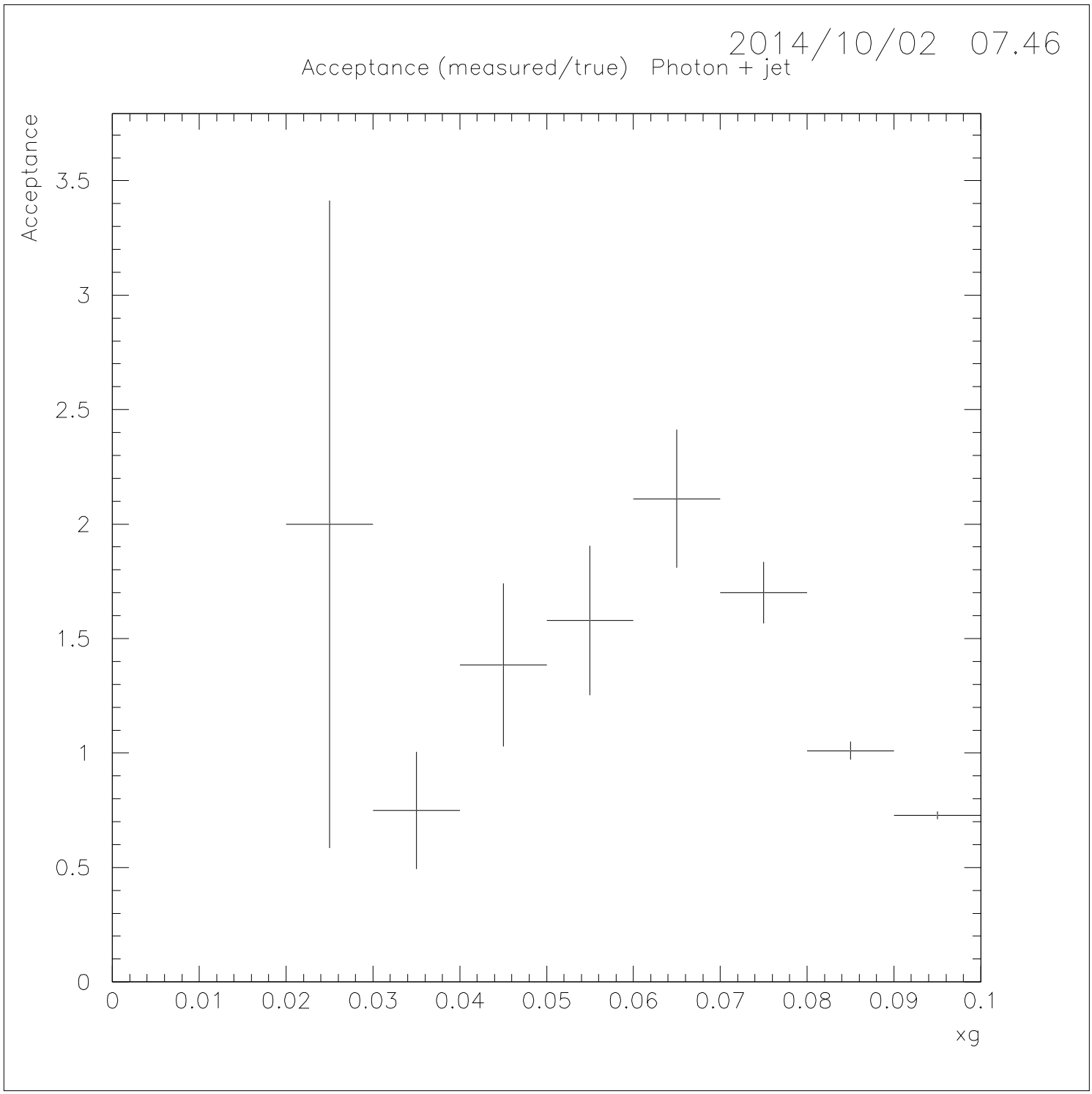


2014/10/02 07.46

Acceptance (measured/true) Photon + jet

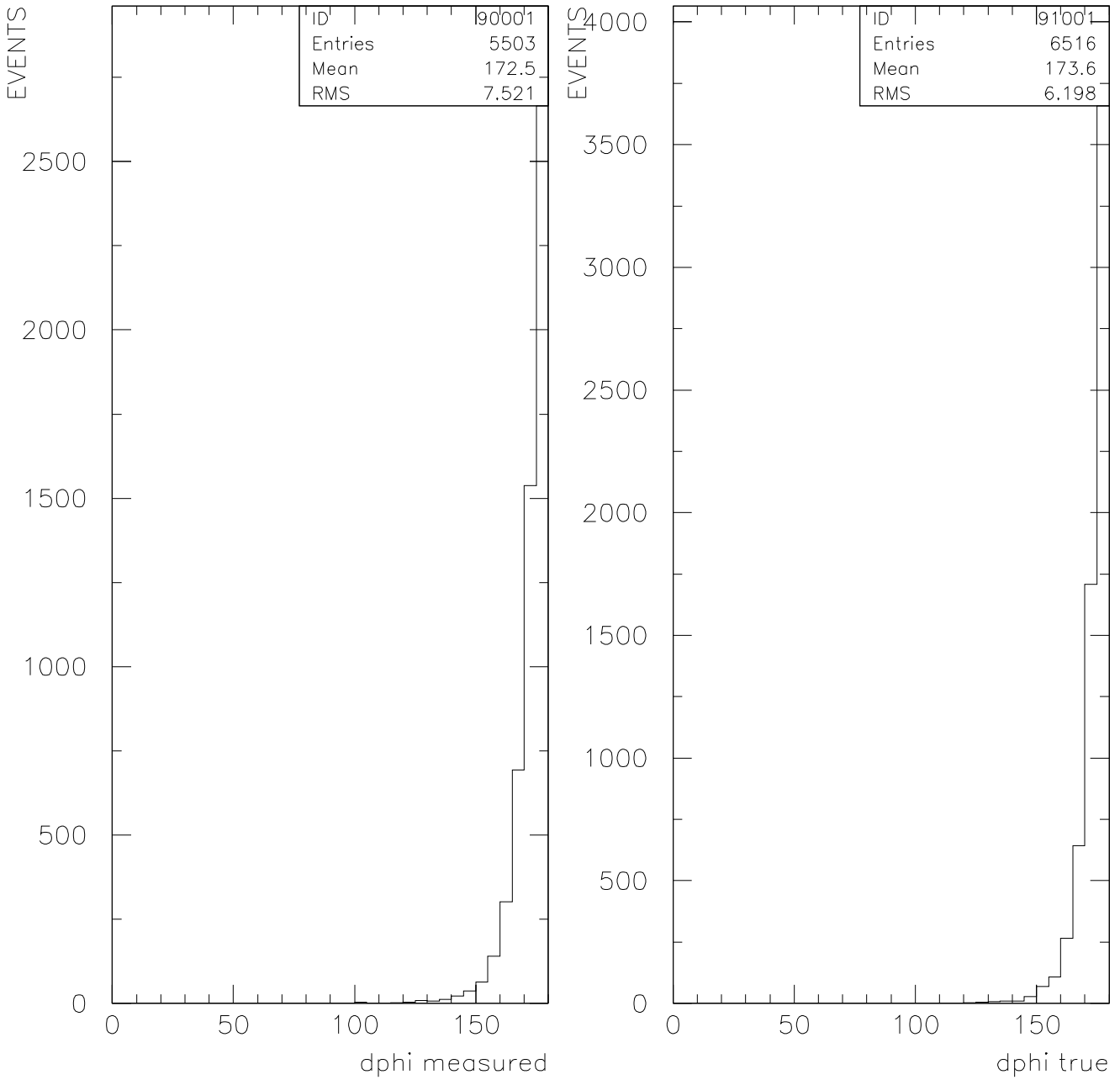


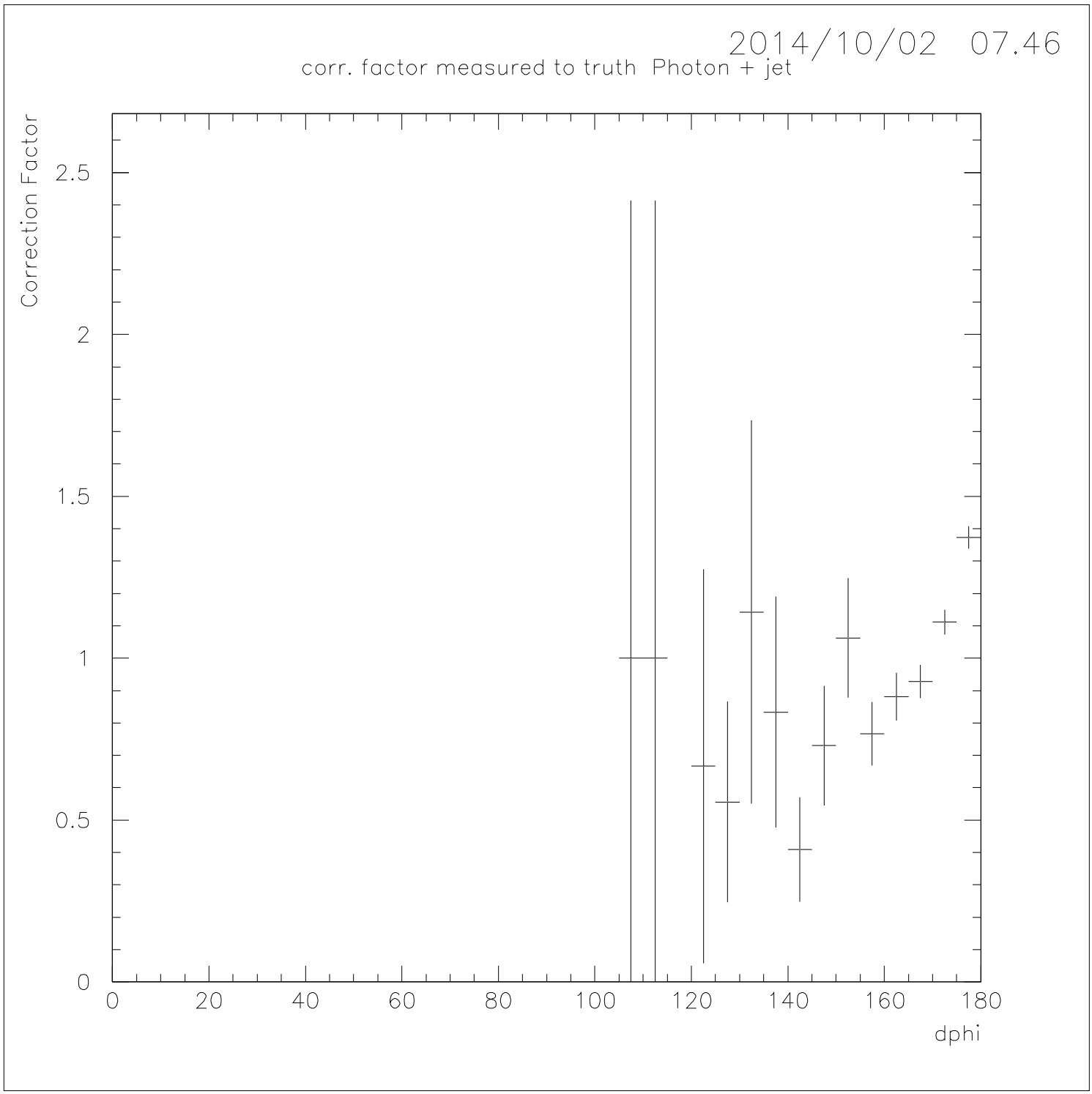

2014/10/02 07.46
corr. factor measured to truth Photon + jet
Correction Factor
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xg

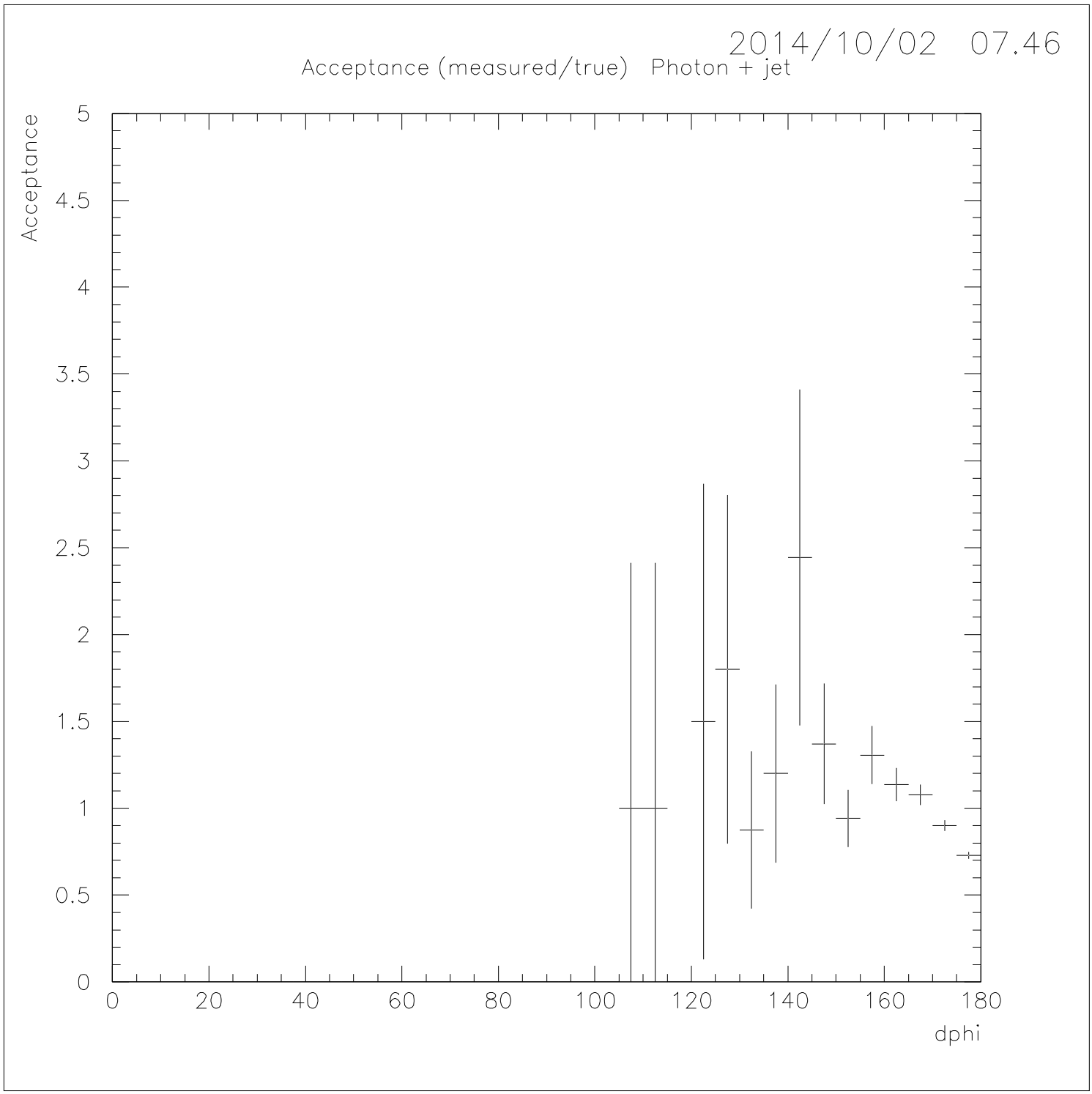

2014/10/02 07.46
Acceptance (measured/true) Photon + jet
Acceptance
3.5
3
2.5
2
1.5
1
0.5
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xg

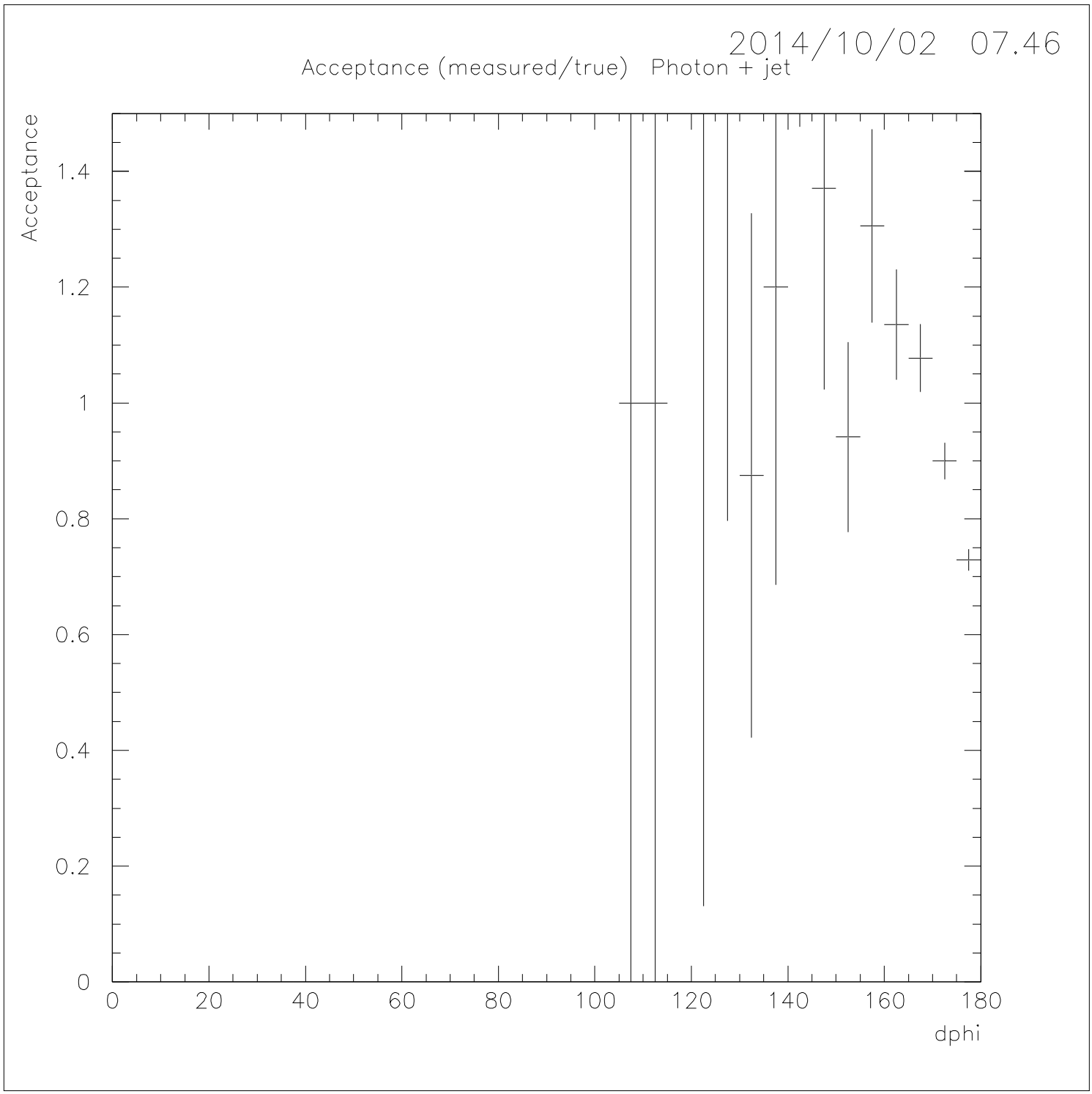
2014/10/02 07.46

Acceptance (measured/true) Photon + jet



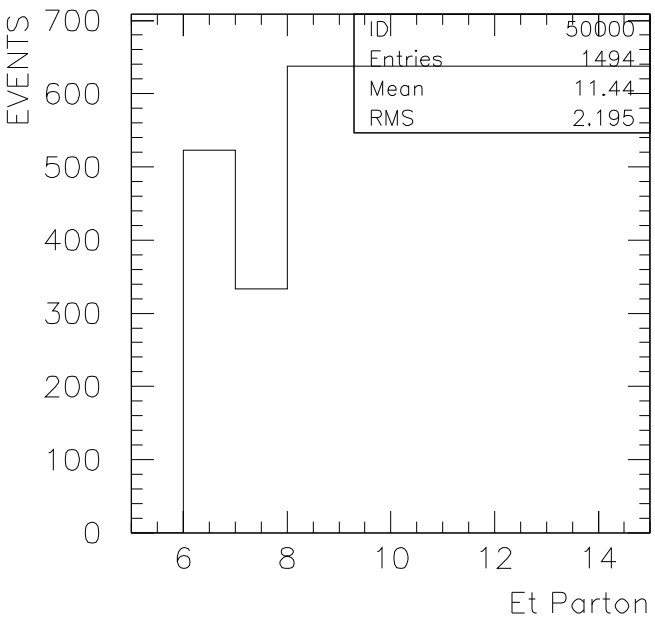

2014/10/02 07.46
corr. factor measured to truth Photon + jet
Correction Factor
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

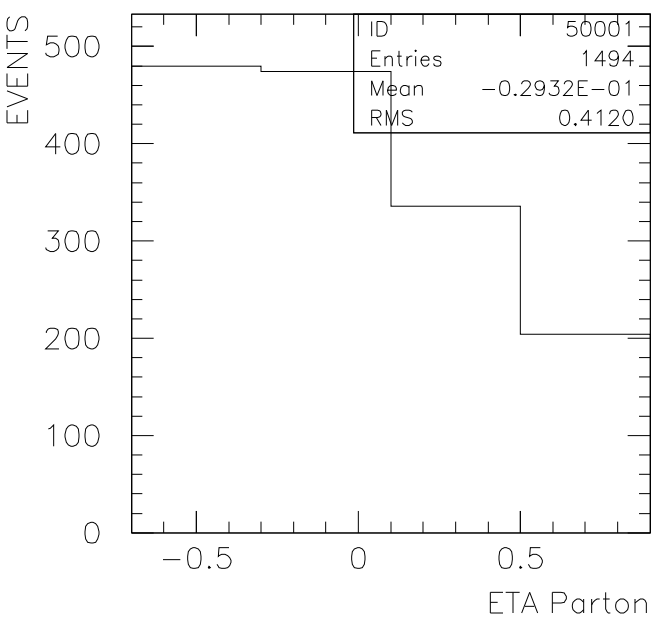

2014/10/02 07.46
Acceptance (measured/true) Photon + jet
Acceptance
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

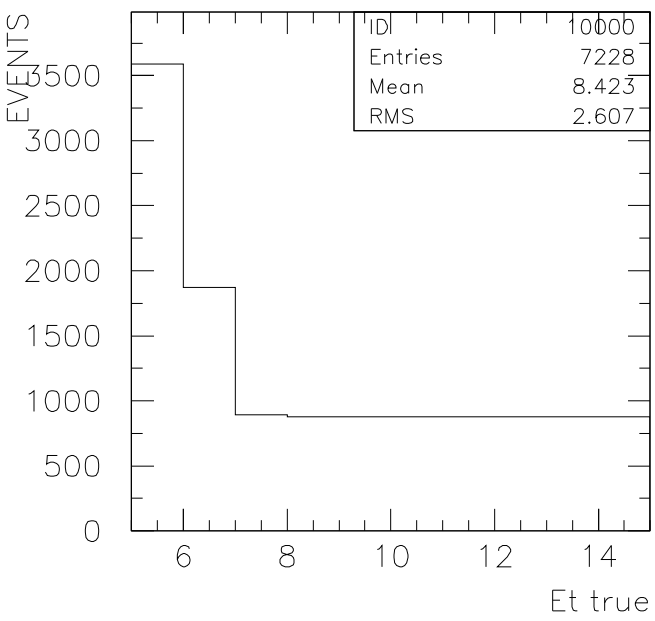

2014/10/02 07.46
Acceptance (measured/true) Photon + jet
Acceptance
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
120
140
160
180
dphi

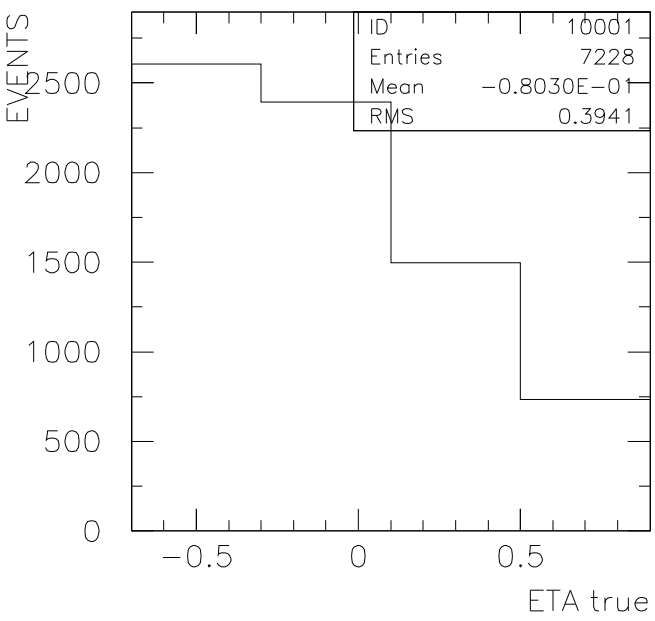
2014/10/02 07.46

inclusive Parton−True



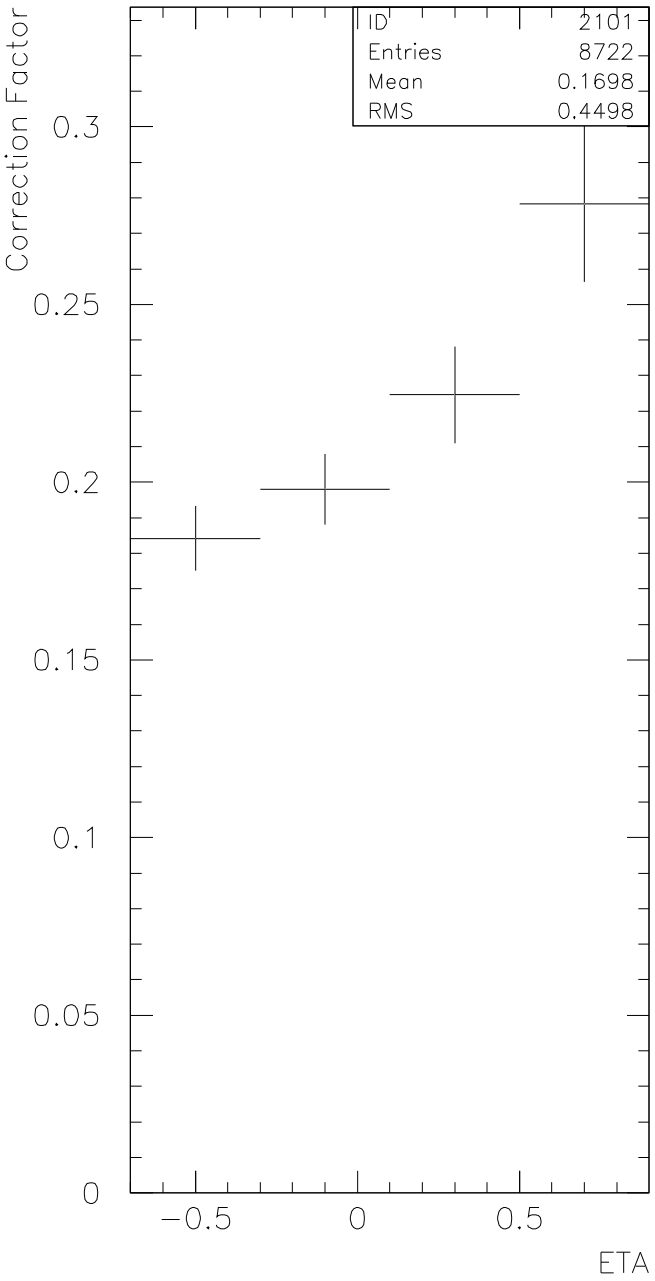


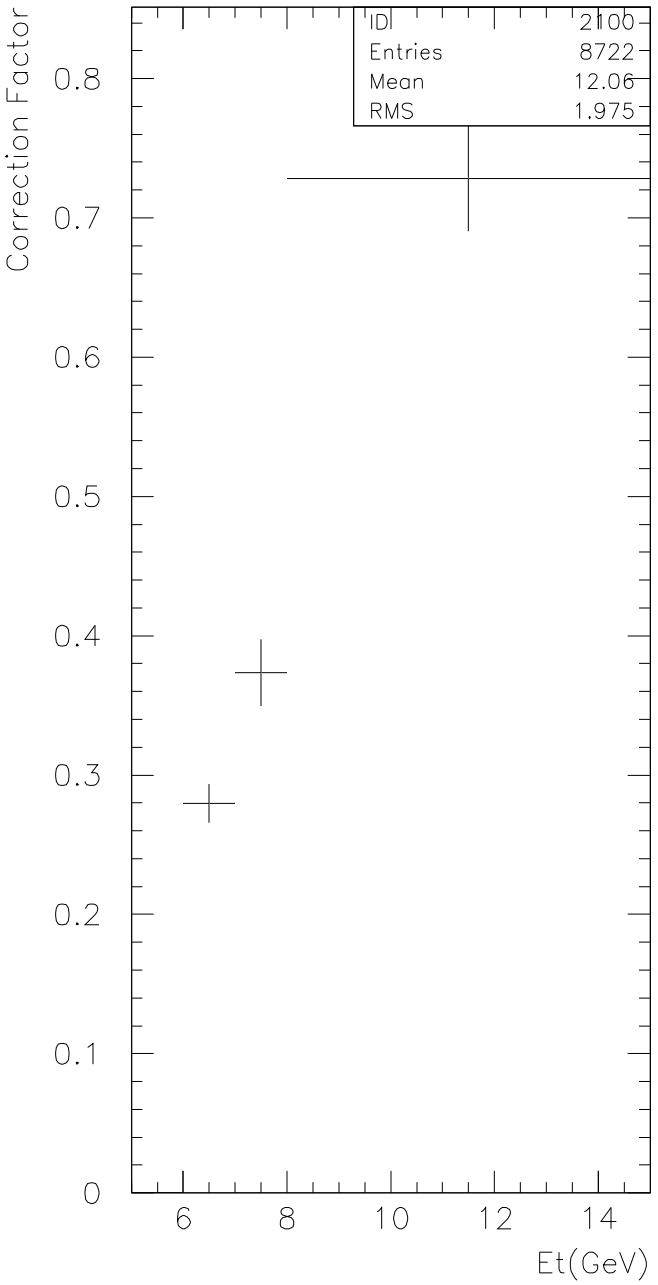




2014/10/02 07.46

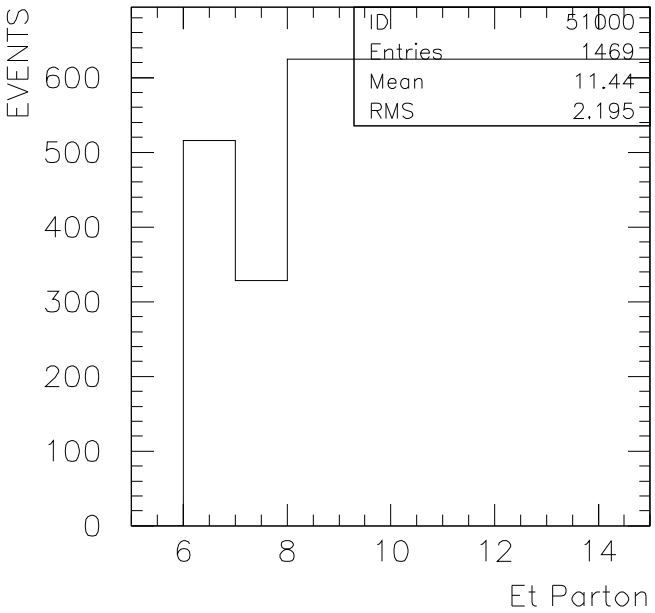
corr. factor truth to parton inclusive

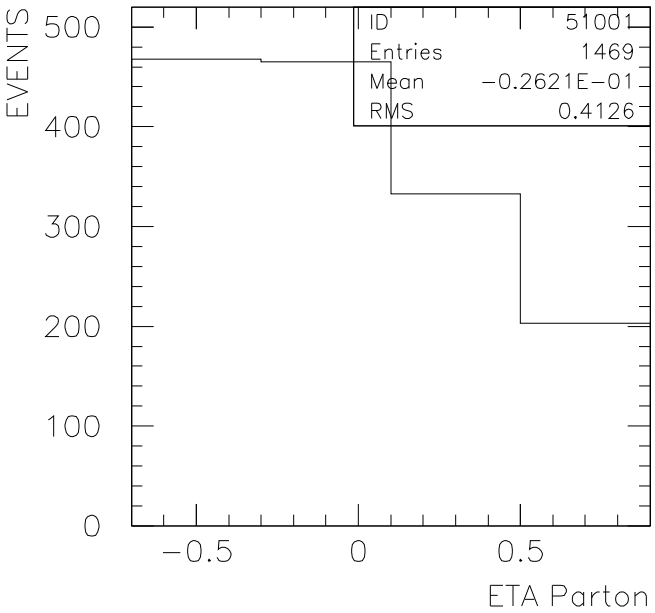


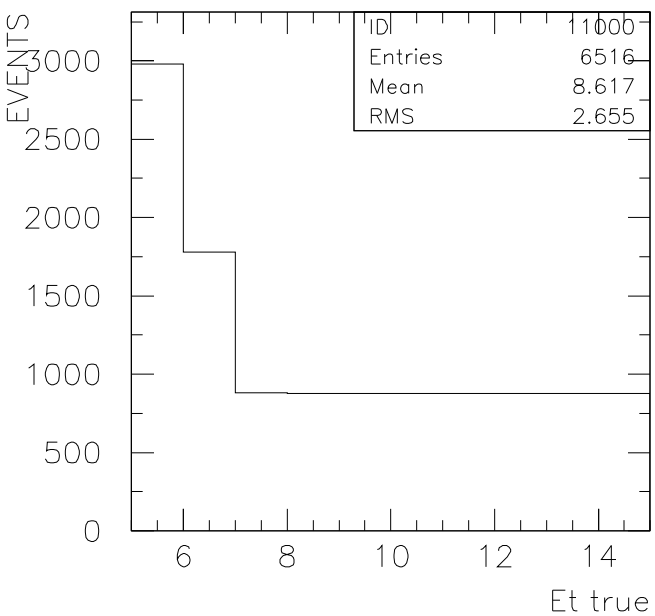


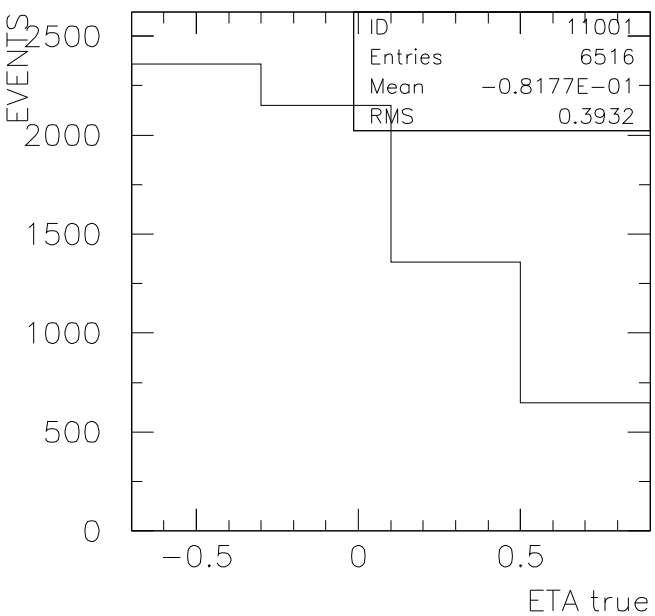
2014/10/02 07.46

Photon + Jet, Parton−True



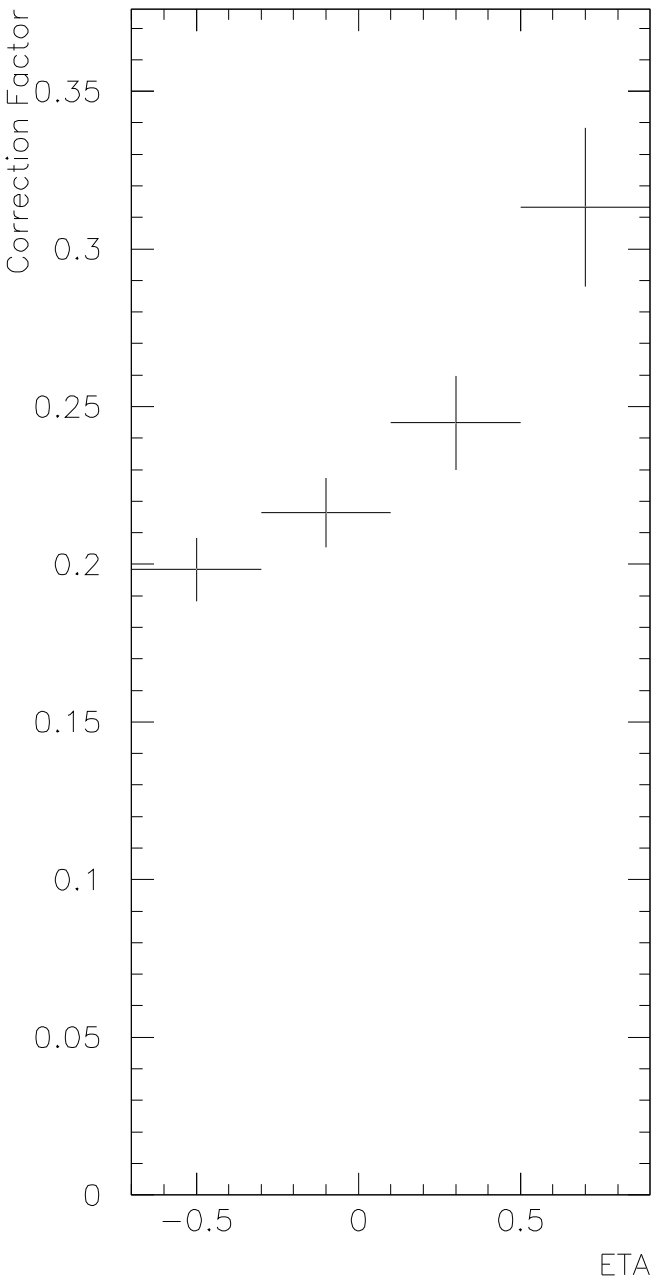


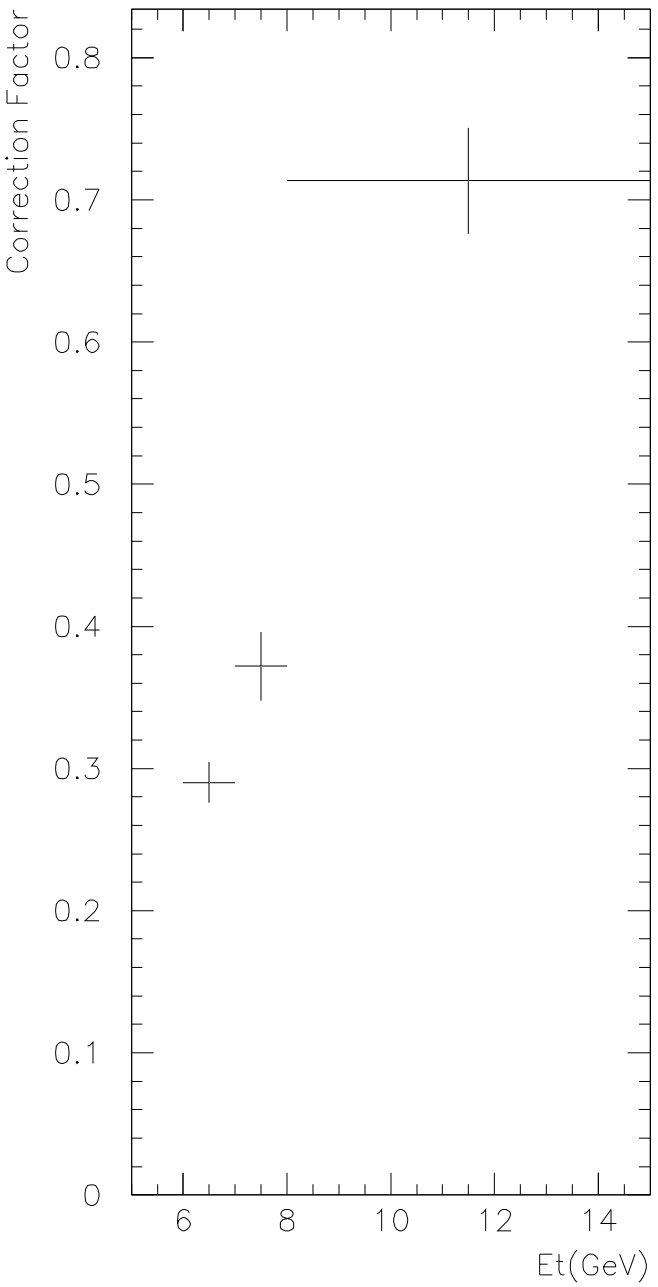




2014/10/02 07.46

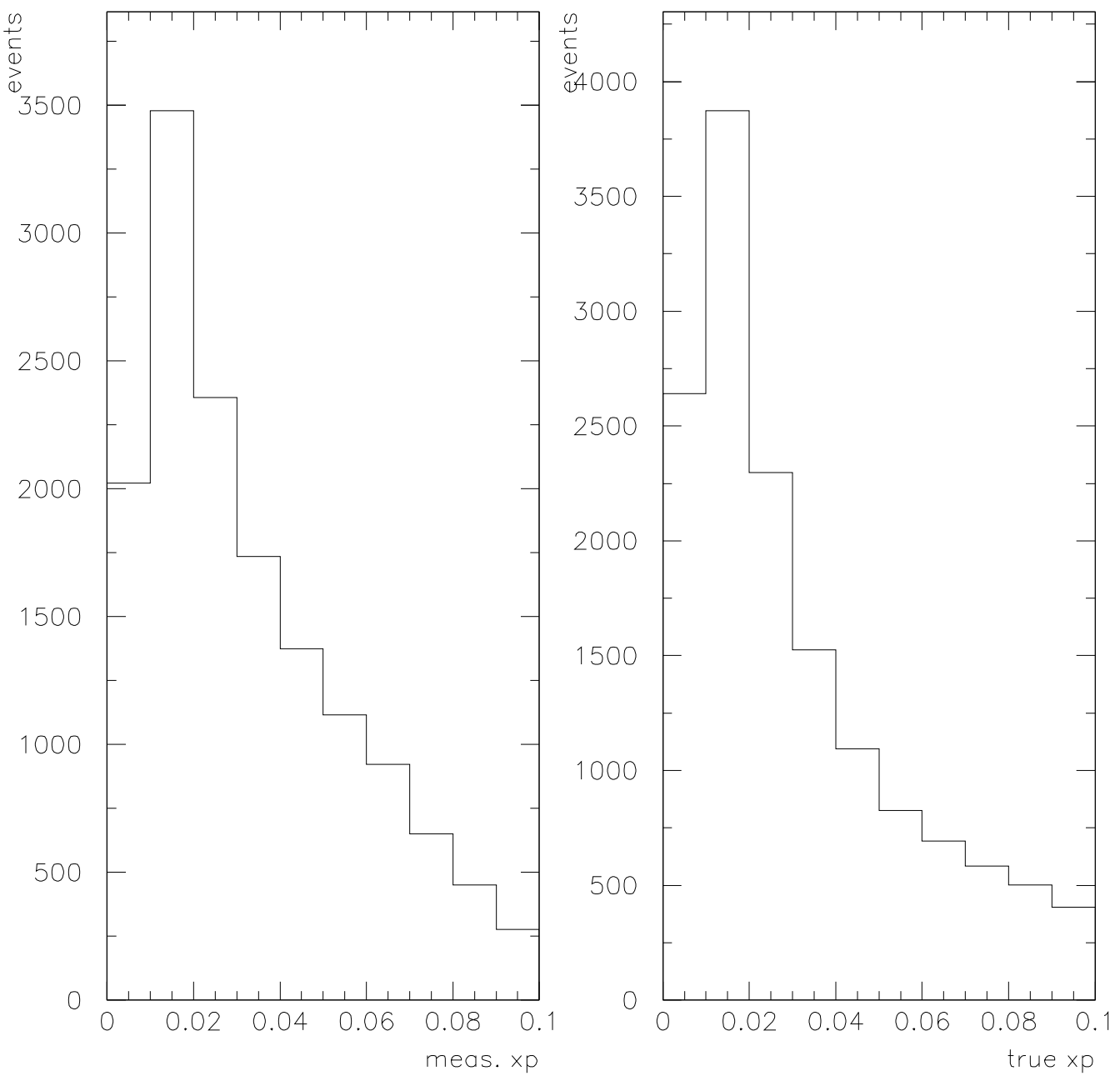
corr. factor truth to parton Photon + Jet

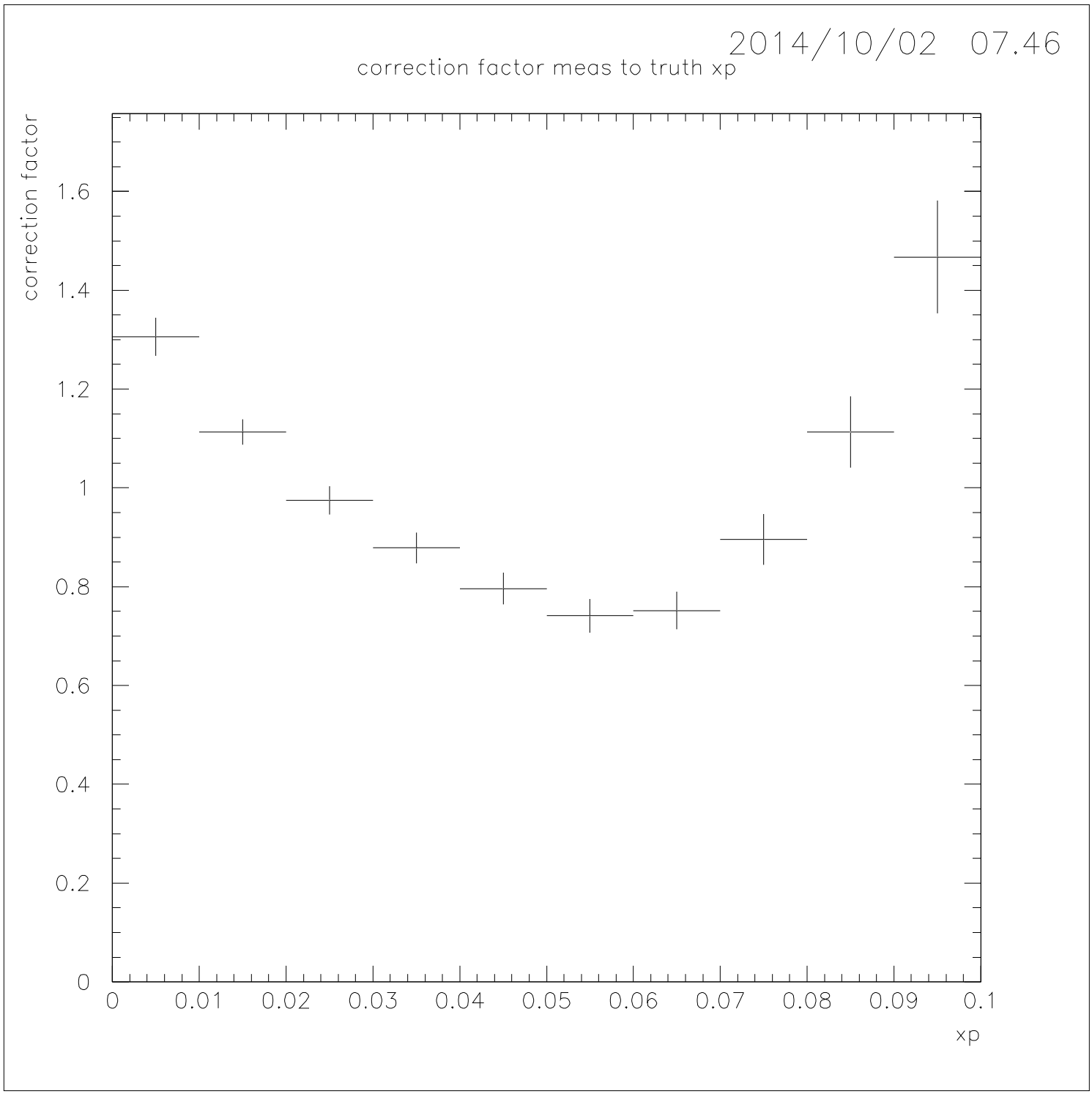


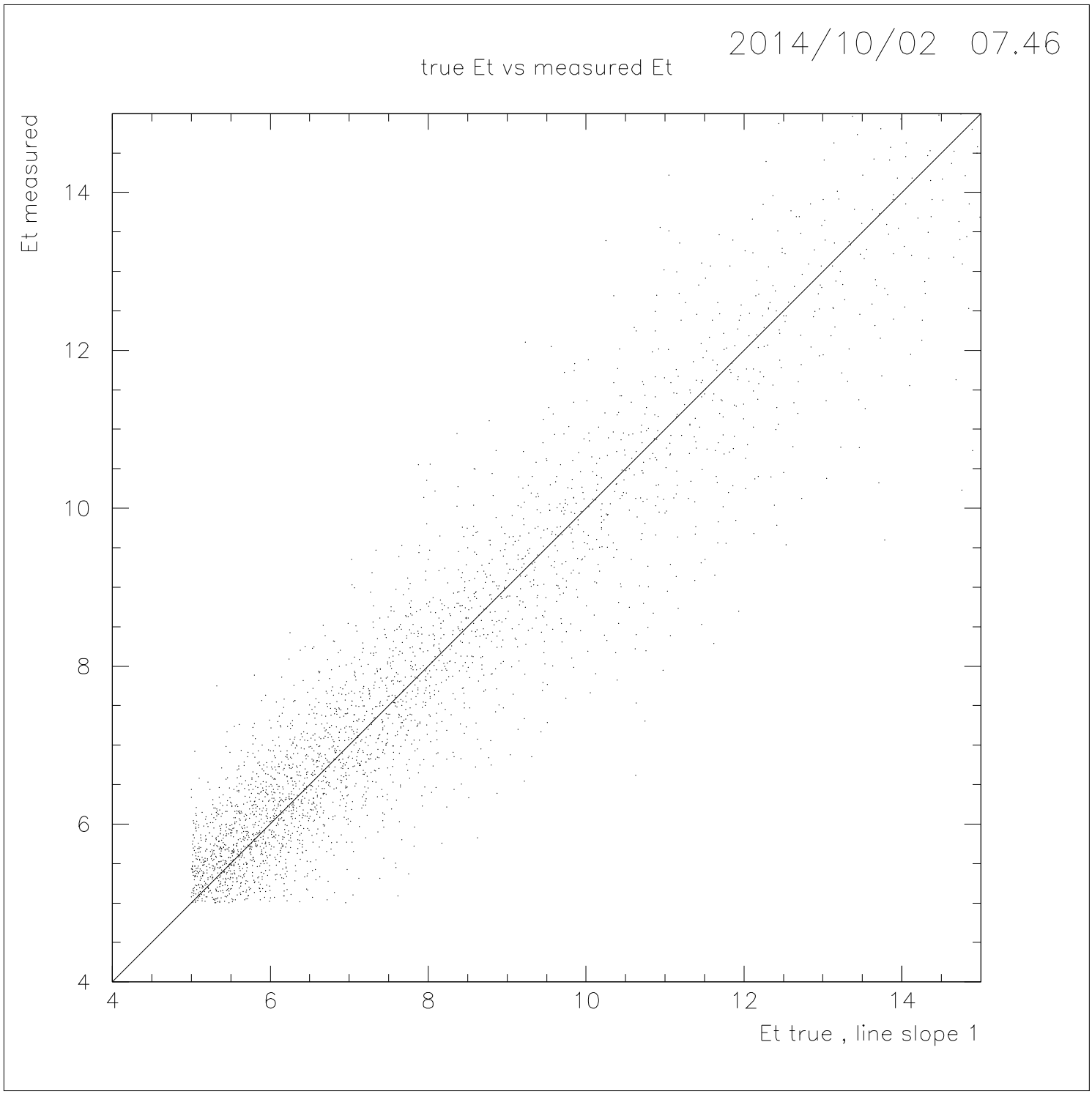


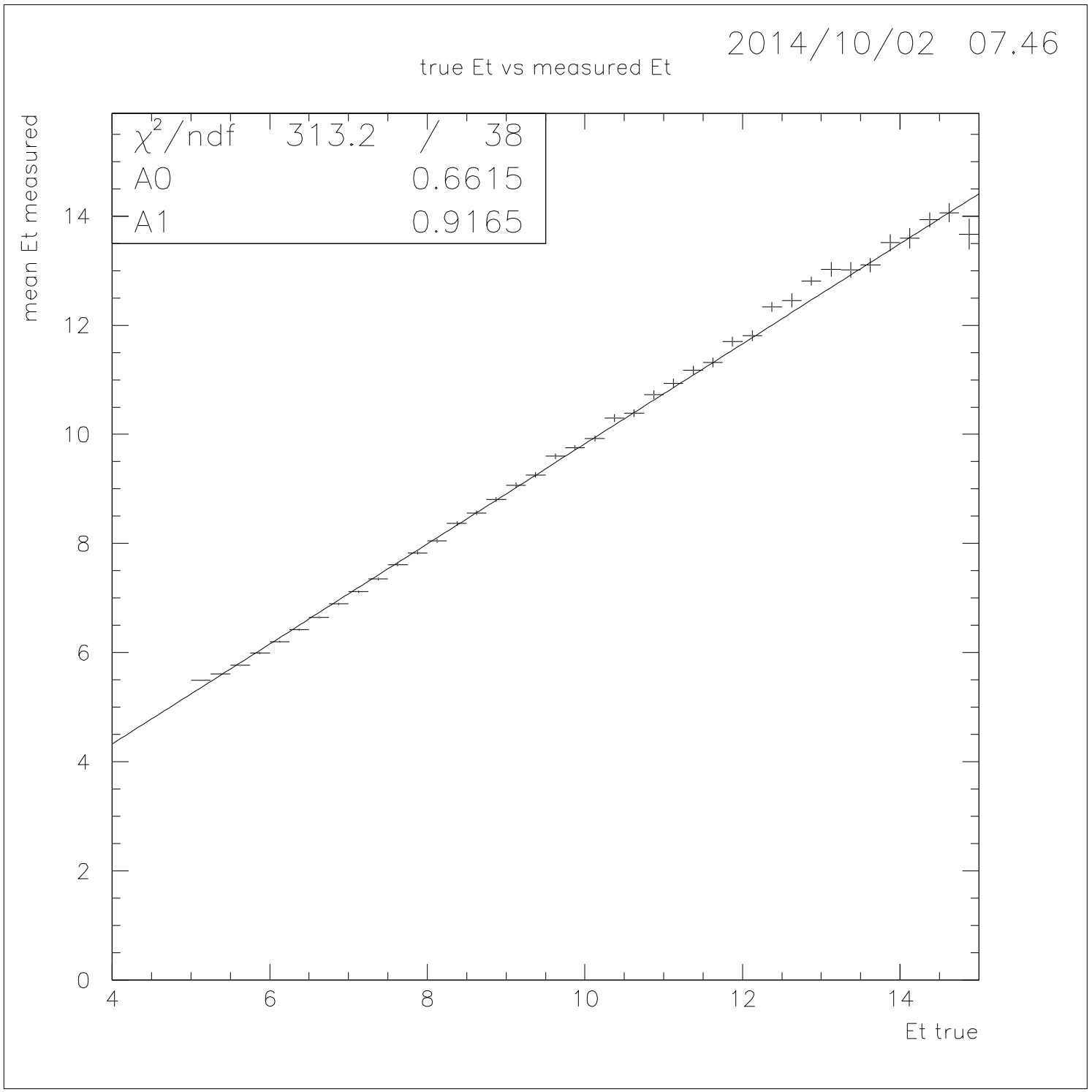
2014/10/02 07.46

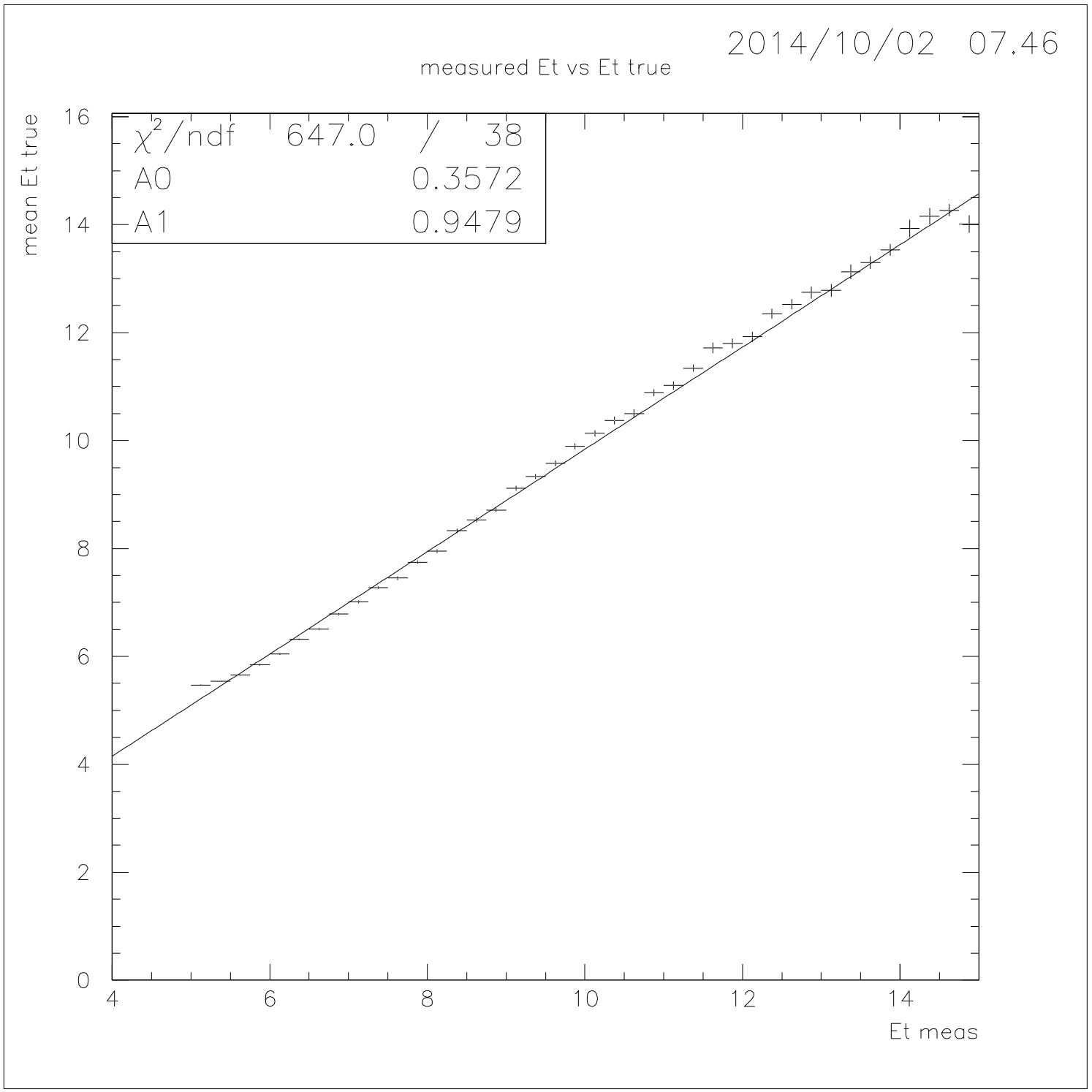
correction factor meas to truth xp




2014/10/02 07.46
correction factor meas to truth xp
correction factor
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xp


2014/10/02 07.46
true Et vs measured Et
Et measured
14
12
10
8
6
4
4
6
8
10
12
14
Et true , line slope 1


2014/10/02 07.46
true Et vs measured Et
χ²/ndf 313.2 / 38
A0 0.6615
A1 0.9165
mean Et measured
Et true
0
2
4
6
8
10
12
14
4
6
8
10
12
14


2014/10/02 07.46
measured Et vs Et true
χ²/ndf 647.0 / 38
A0 0.3572
A1 0.9479
mean Et true
Et meas
0
2
4
6
8
10
12
14
16
4
6
8
10
12
14