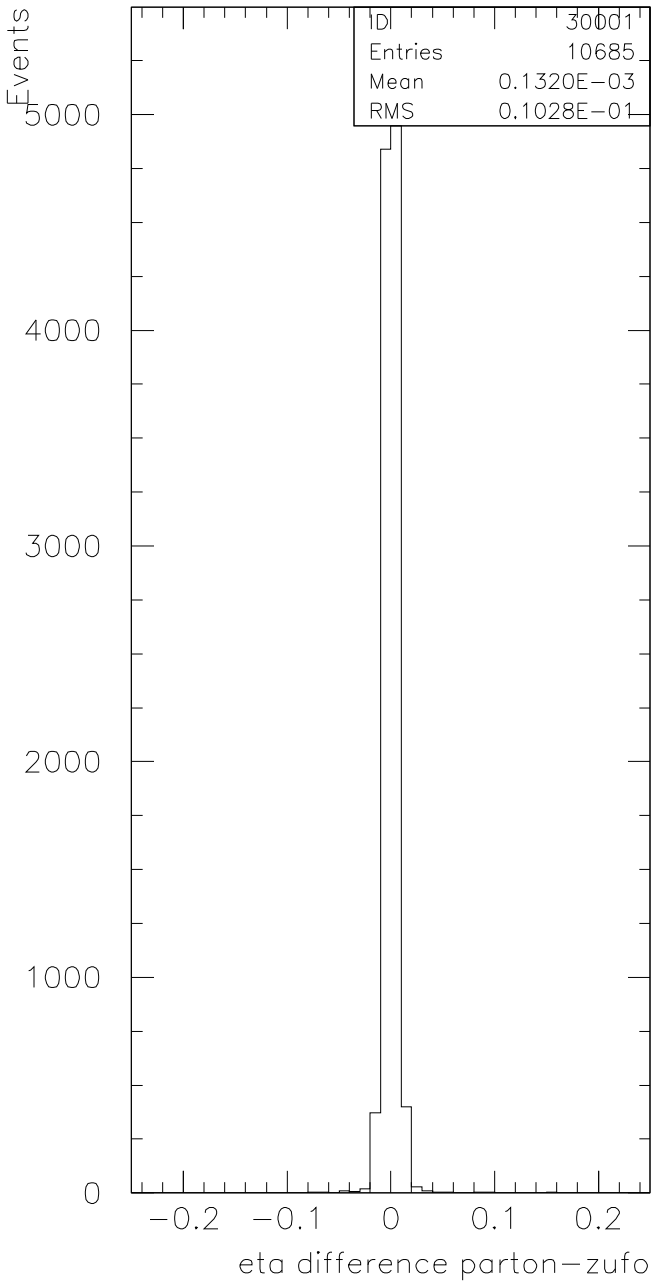
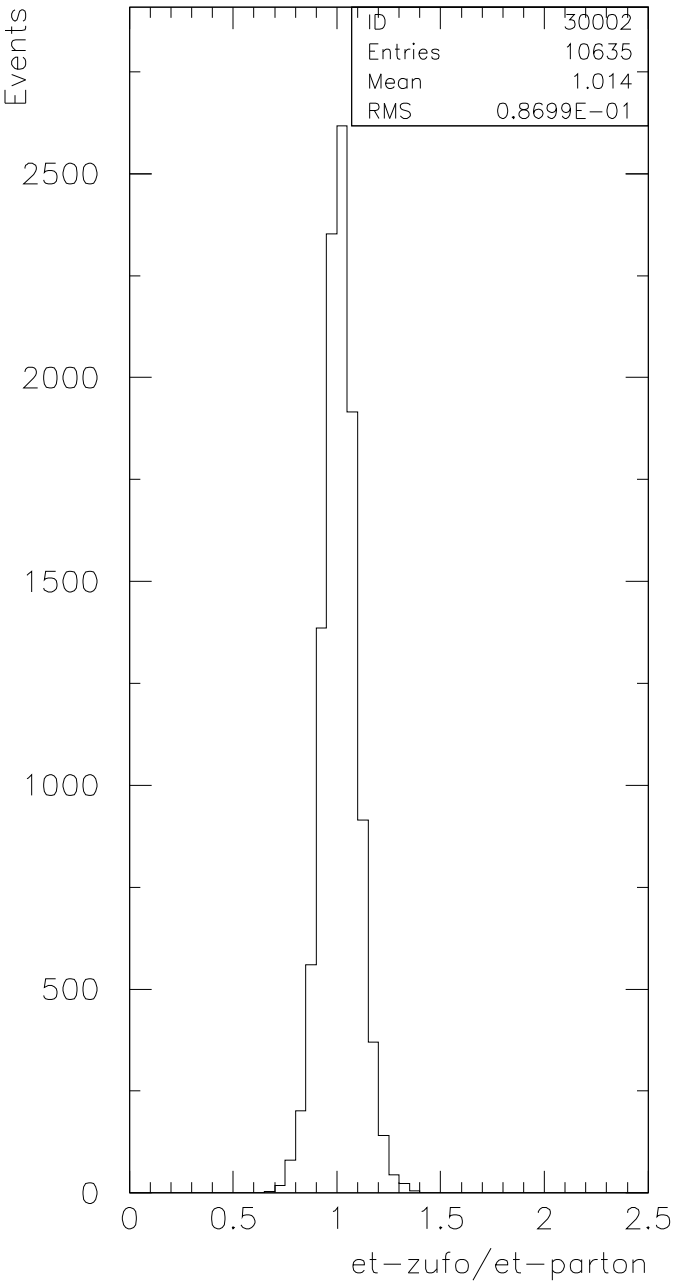
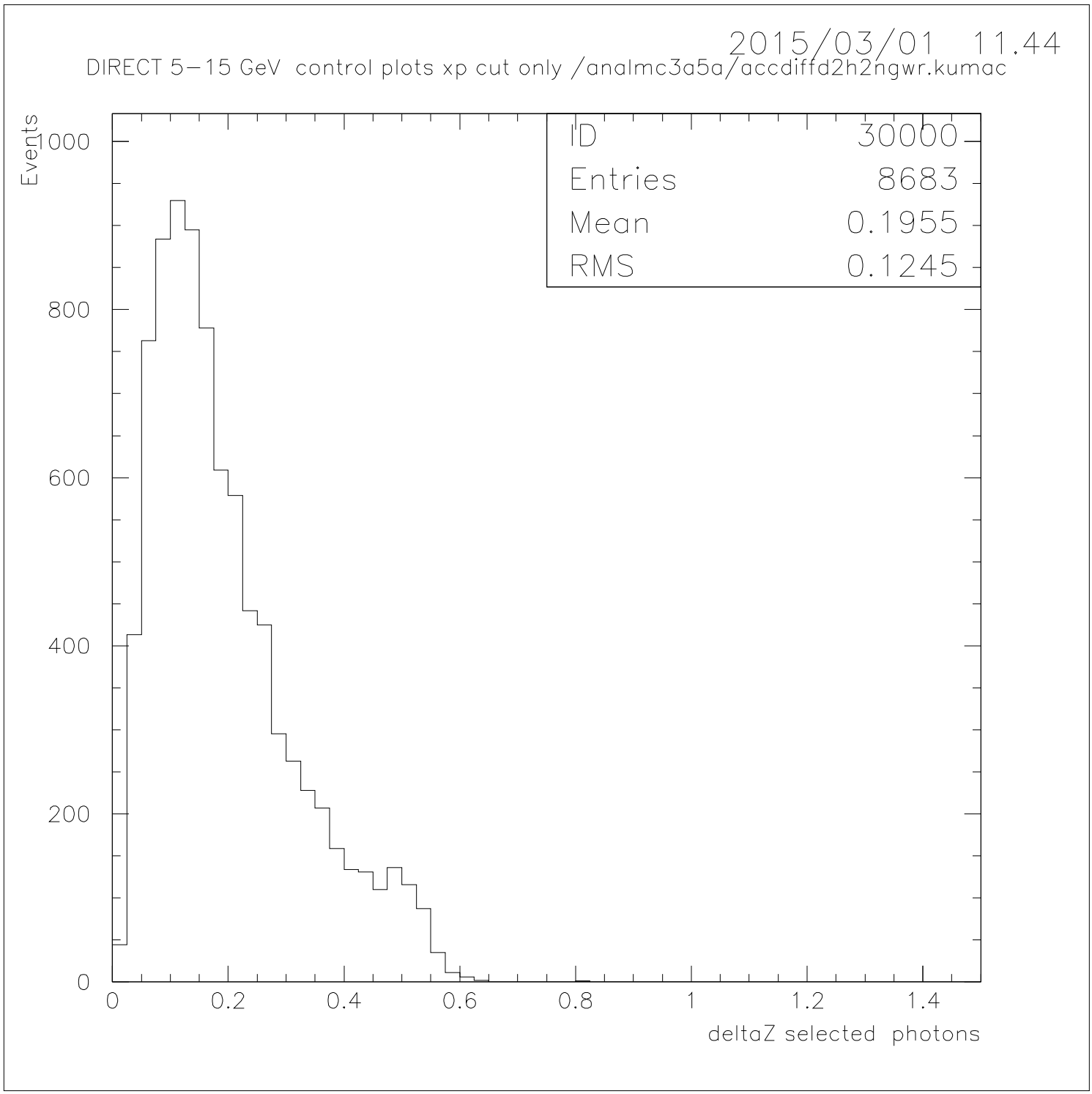
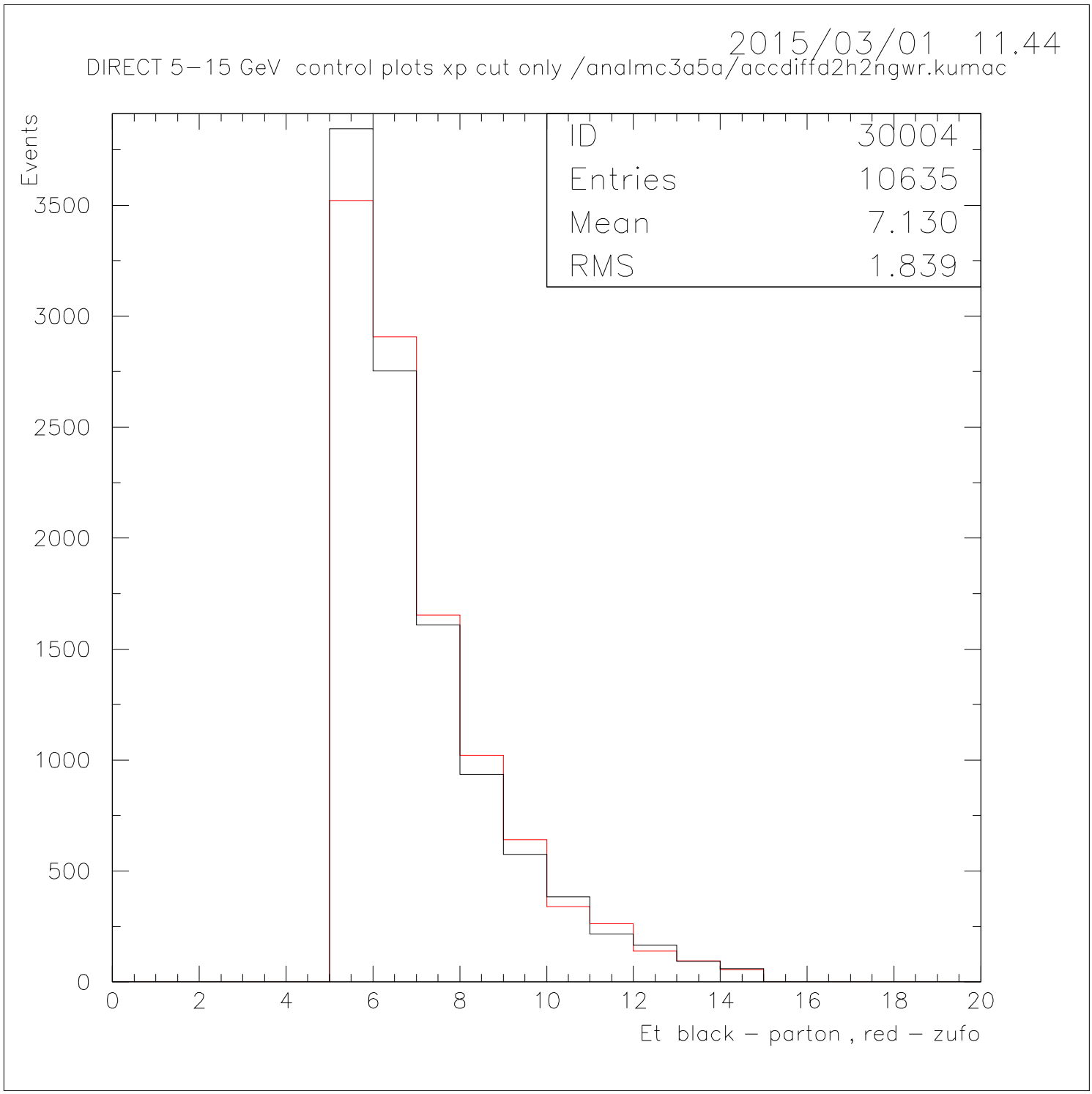
2015/03/01 11.44

DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h2ngwr.kumac



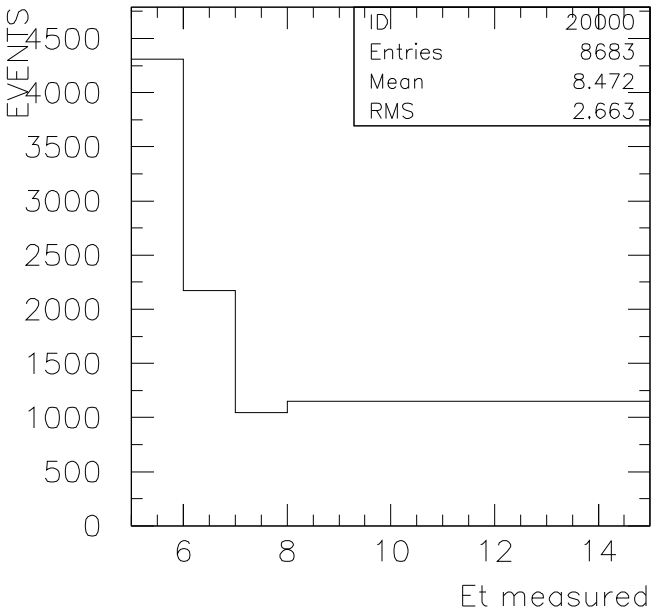


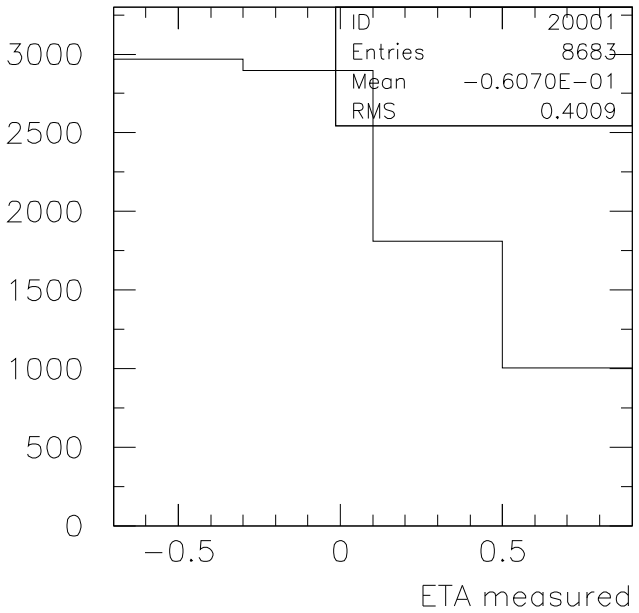

2015/03/01 11.44
DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h2ngwr.kumac
ID 30000
Entries 8683
Mean 0.1955
RMS 0.1245
Events
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ selected photons

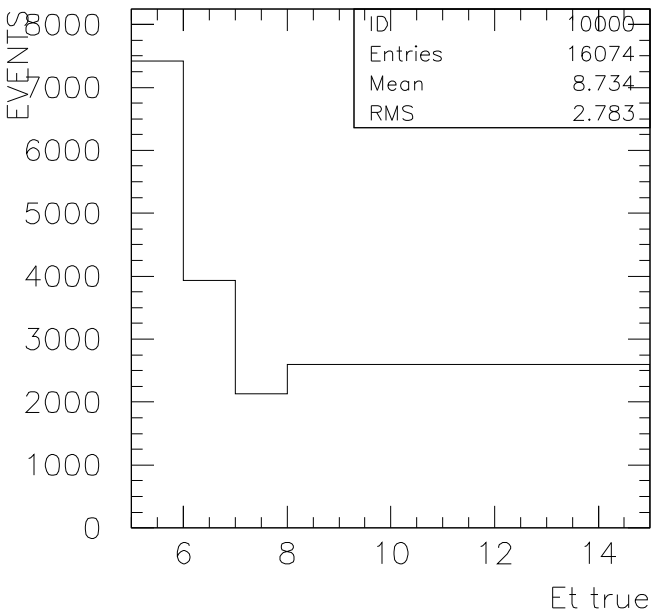

2015/03/01 11.44
DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h2ngwr.kumac
ID 30004
Entries 10635
Mean 7.130
RMS 1.839
Events
3500
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Et black − parton , red − zufo

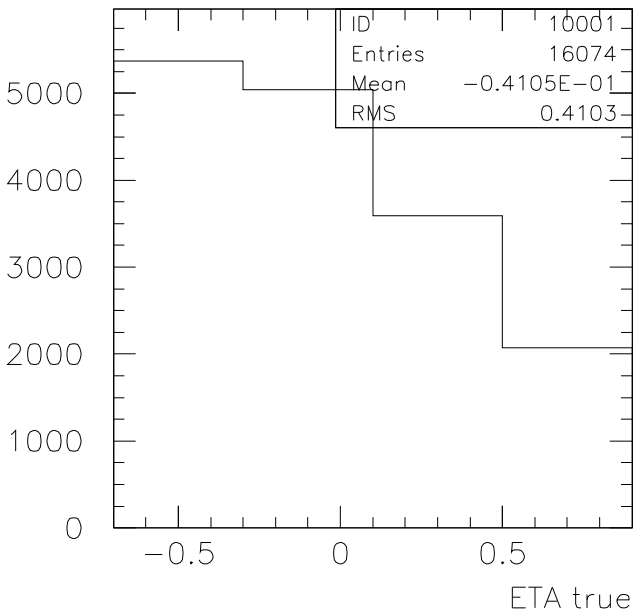
2015/03/01 11.44

inclusive accdiffd2h2ngw.kumac



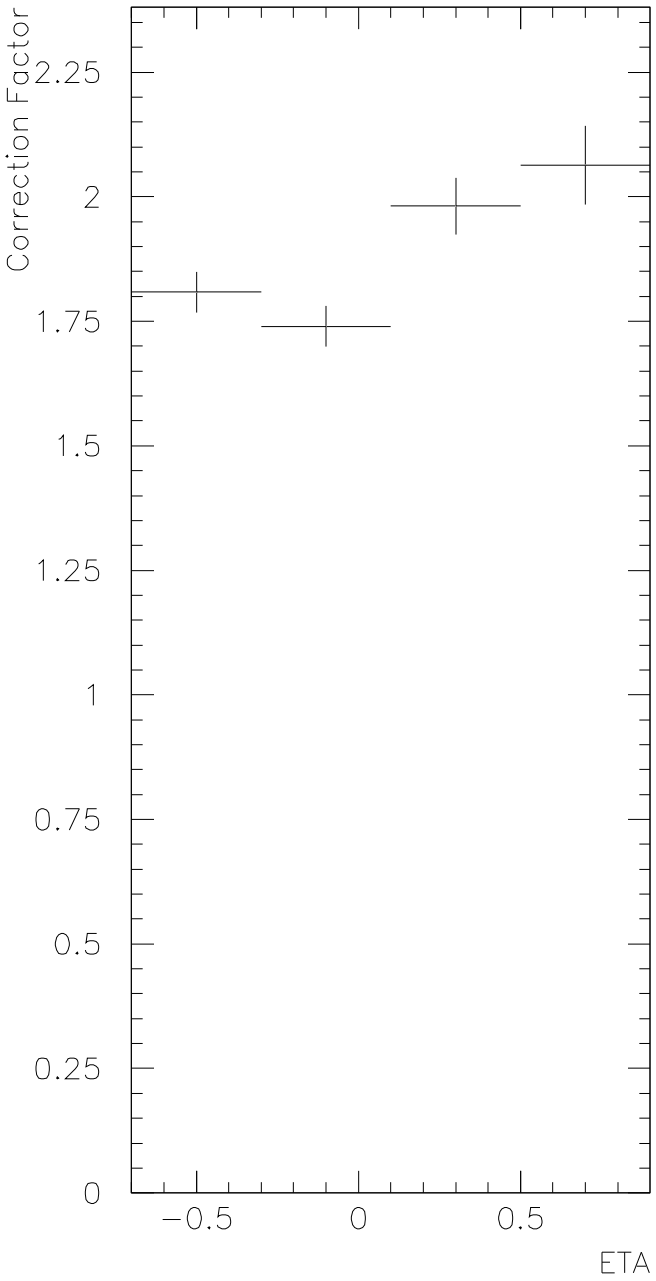


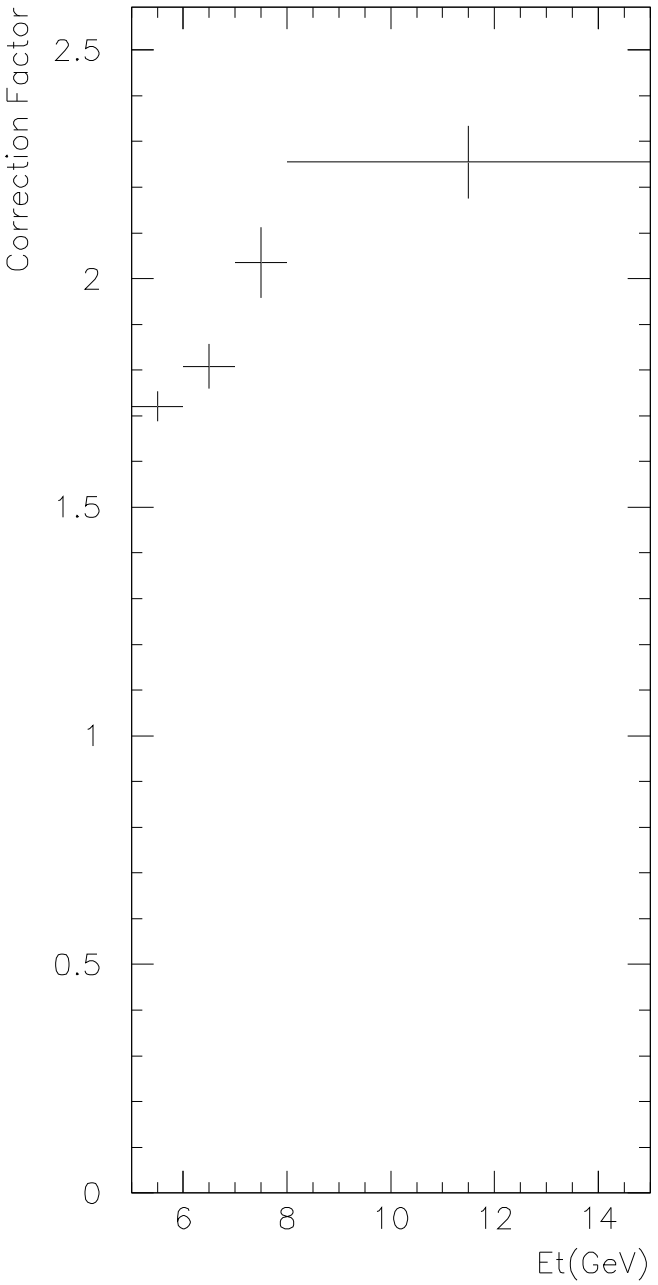




2015/03/01 11.44

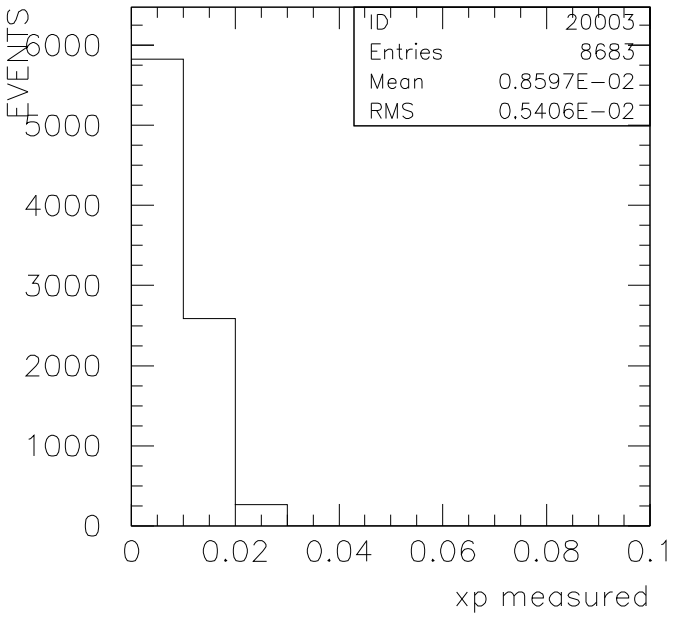
DIRECT corr. factor measured to truth inclusive

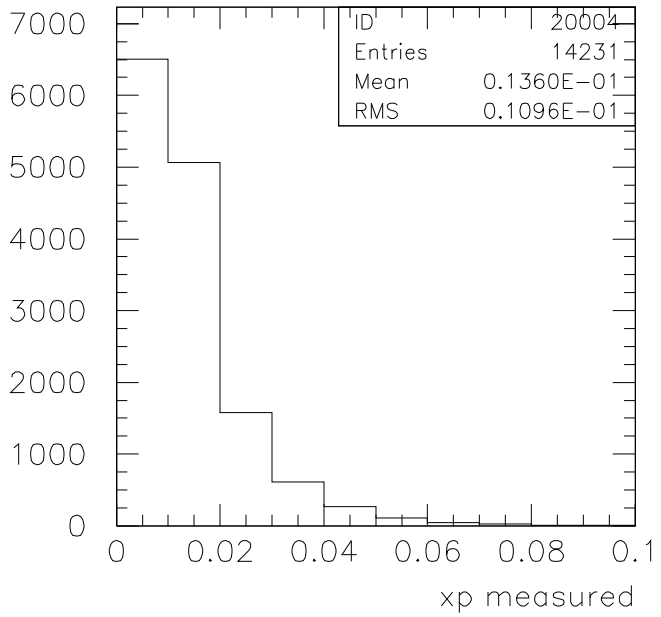


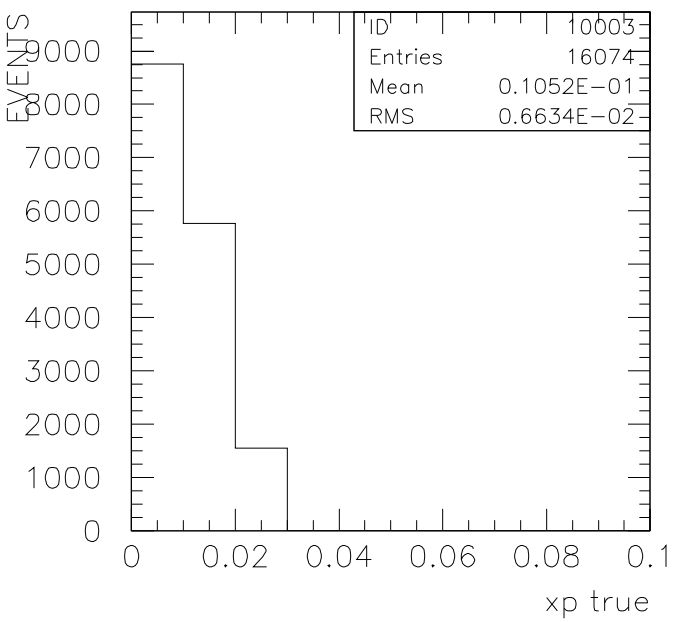


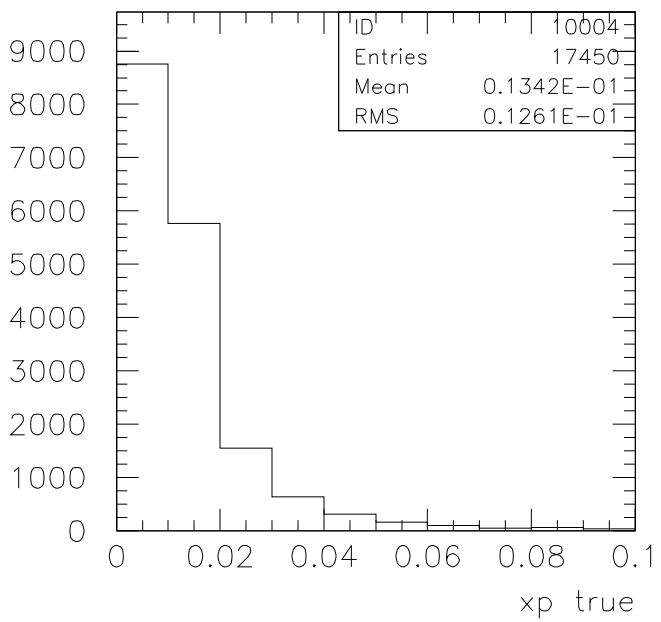
2015/03/01 11.44

inclusive accdiffd2h222wr.kumac



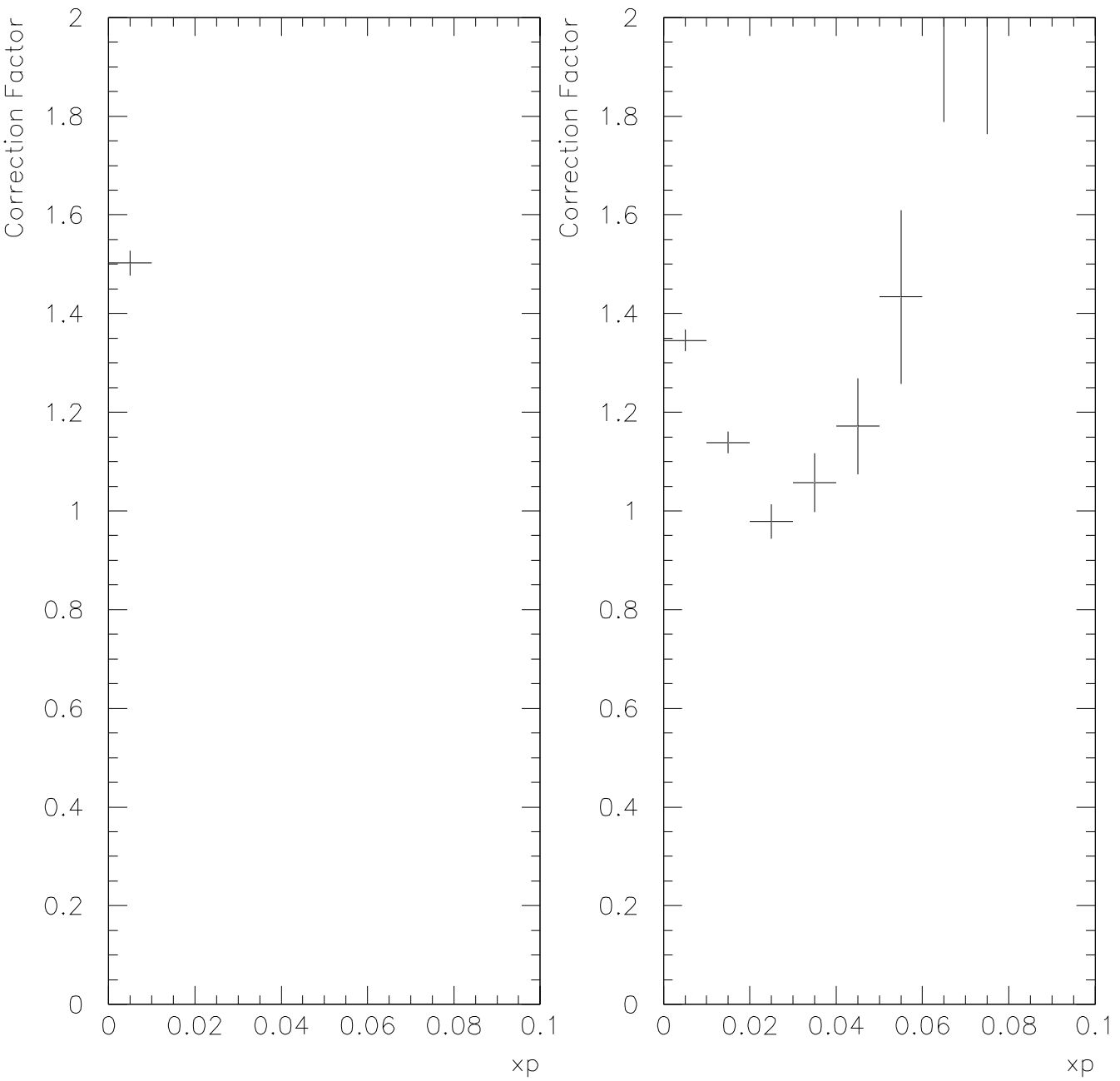






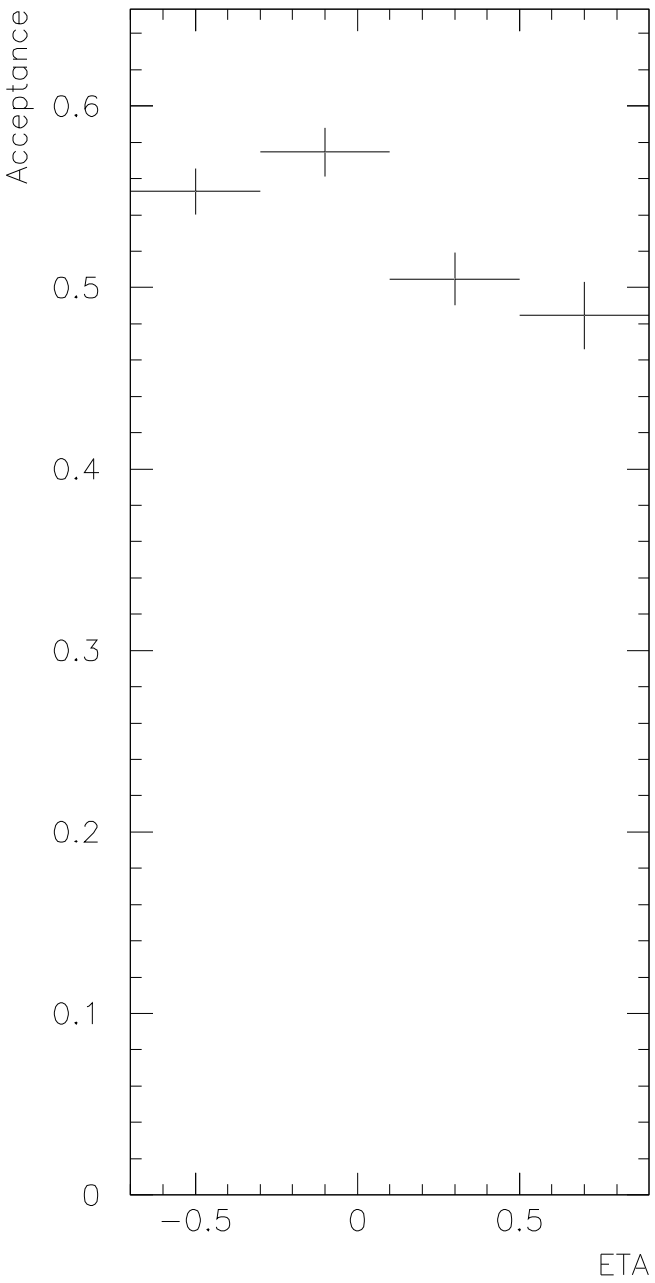
2015/03/01 11.44

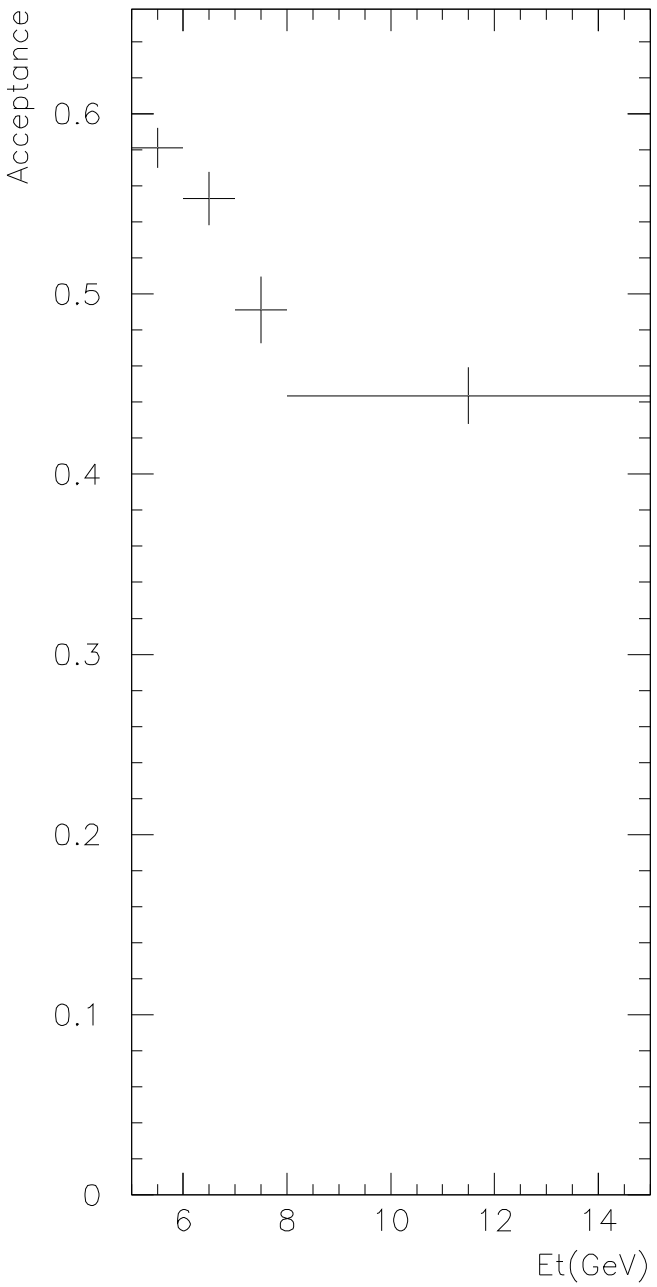
DIRECT corr. factor measured to truth inclusive



2015/03/01 11.44

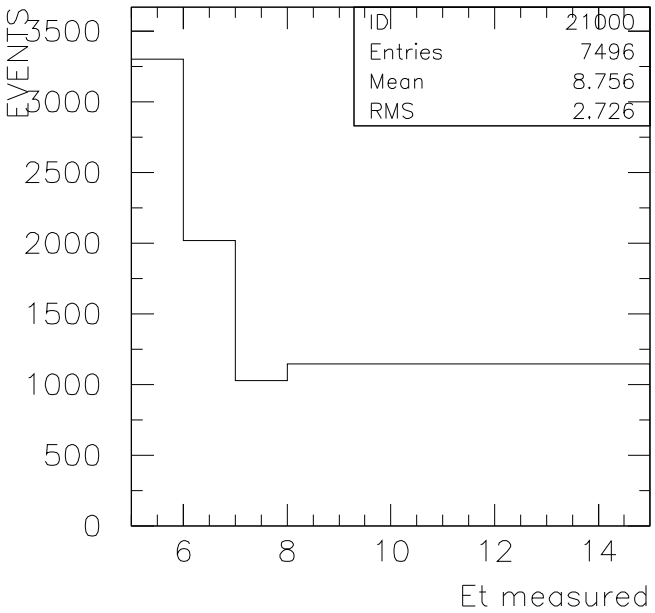
DIRECT Acceptance (measured divided by truth) inclusive

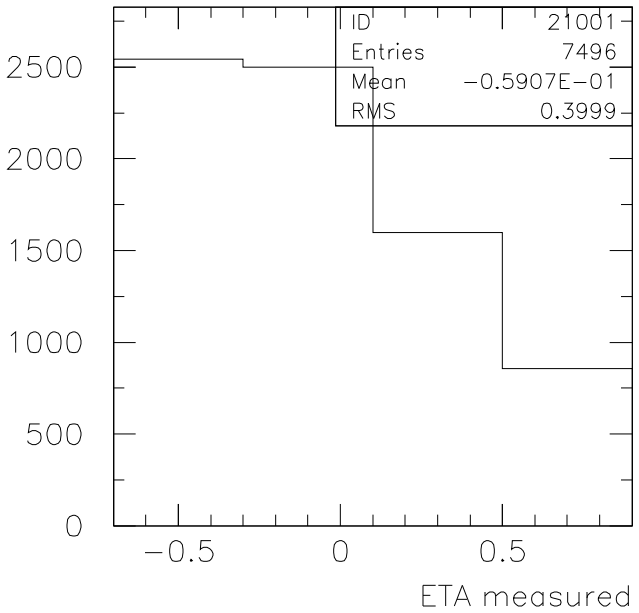


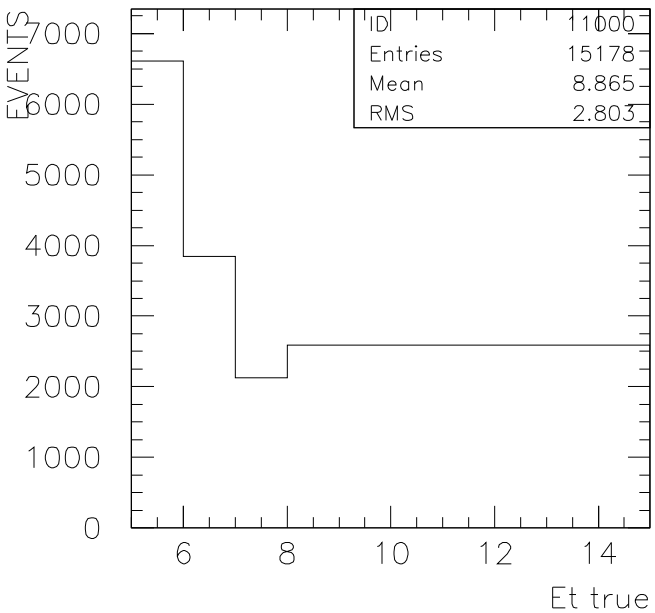


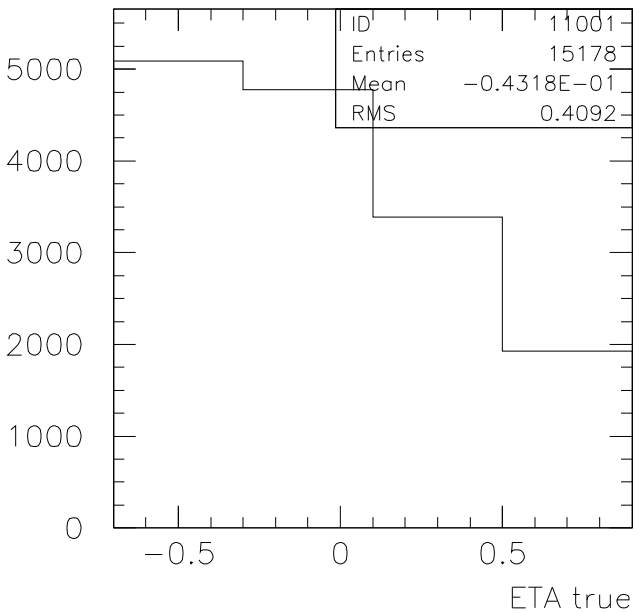
2015/03/01 11.44

Photon + jet



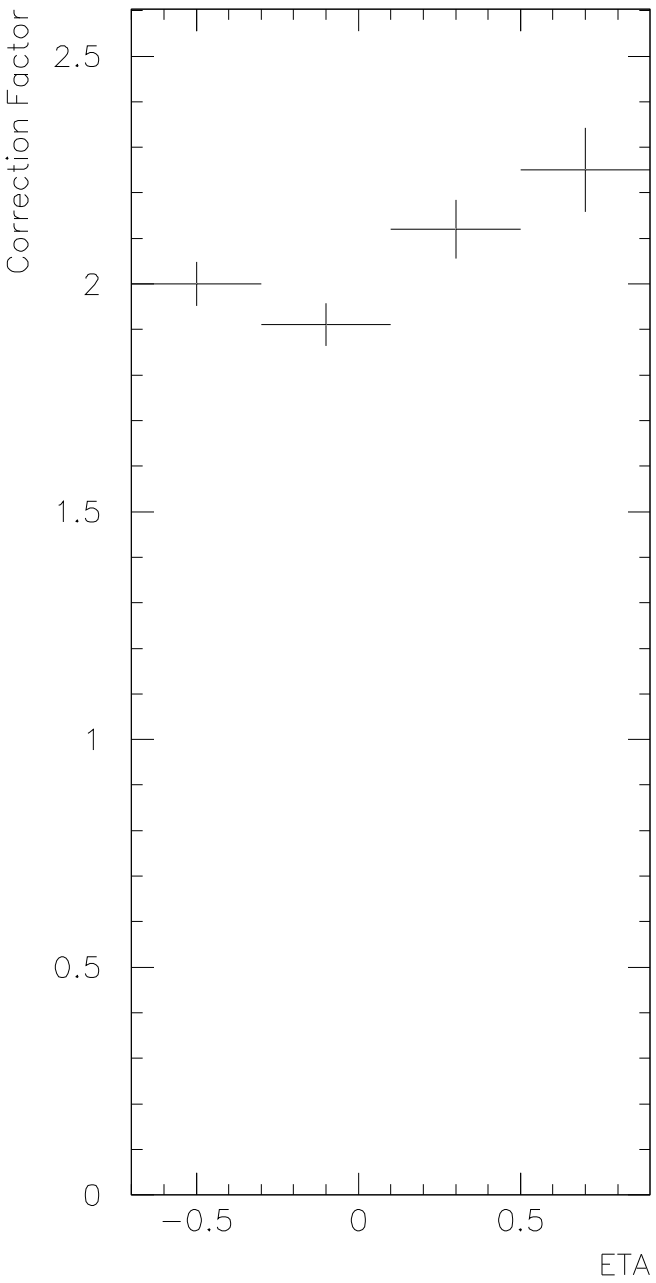


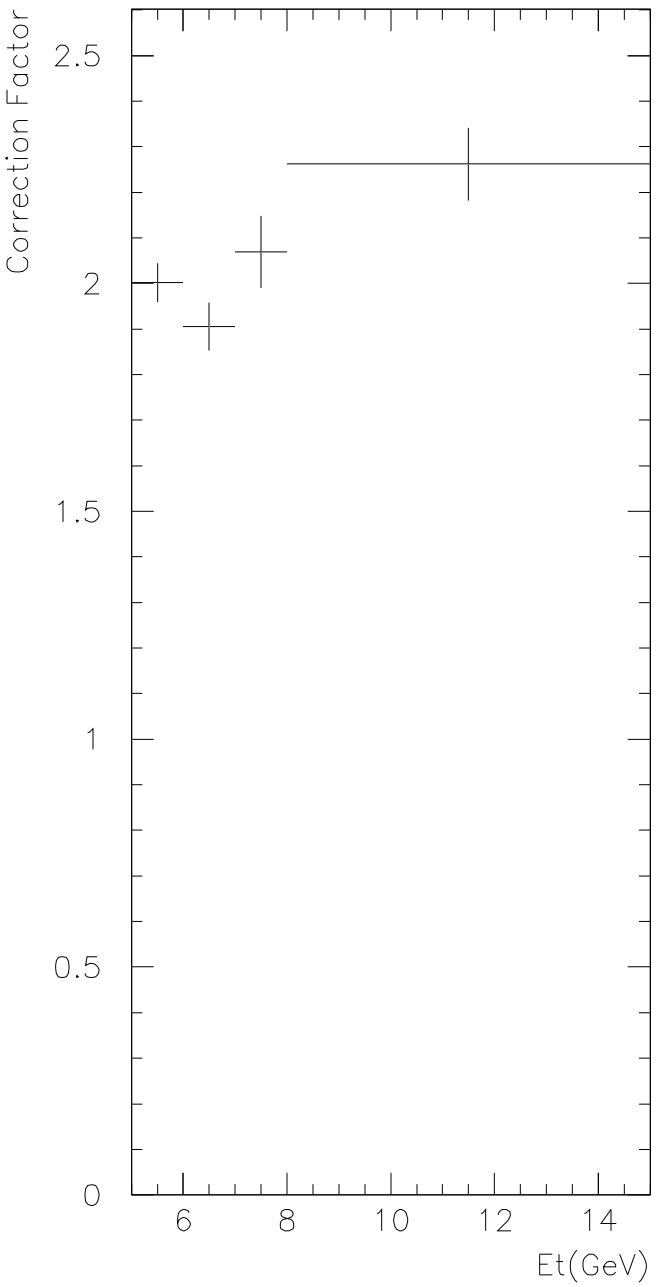




2015/03/01 11.44

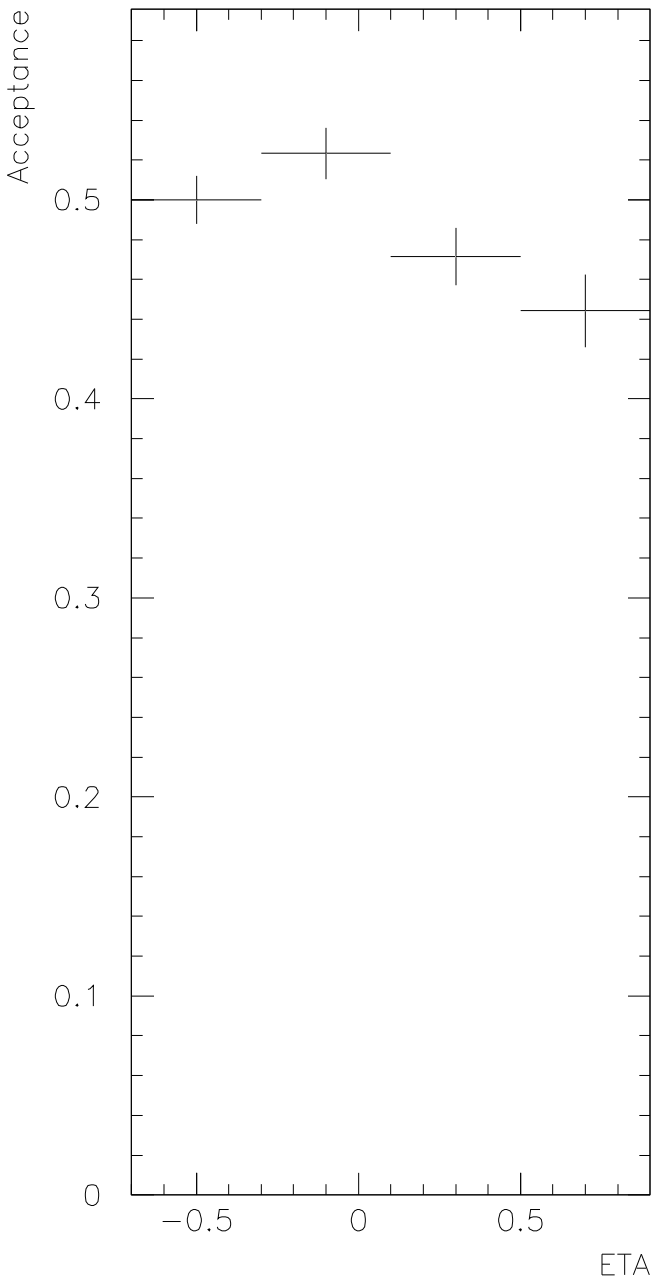
corr. factor measured to truth Photon + jet

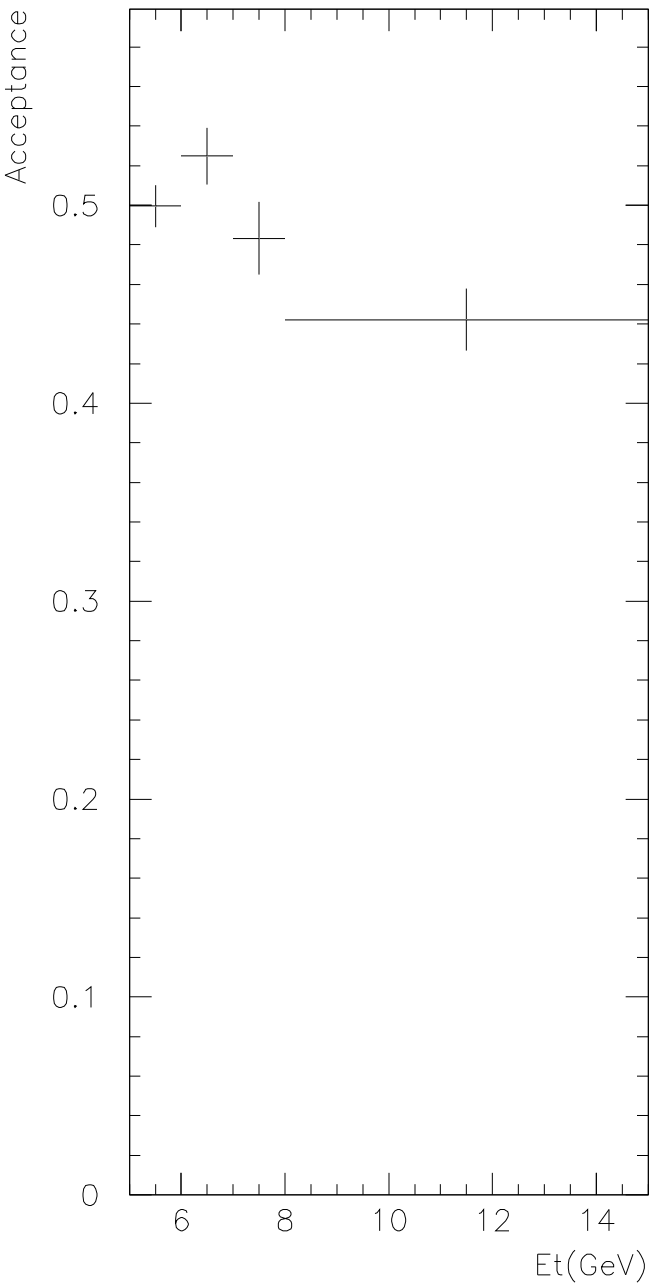




2015/03/01 11.44

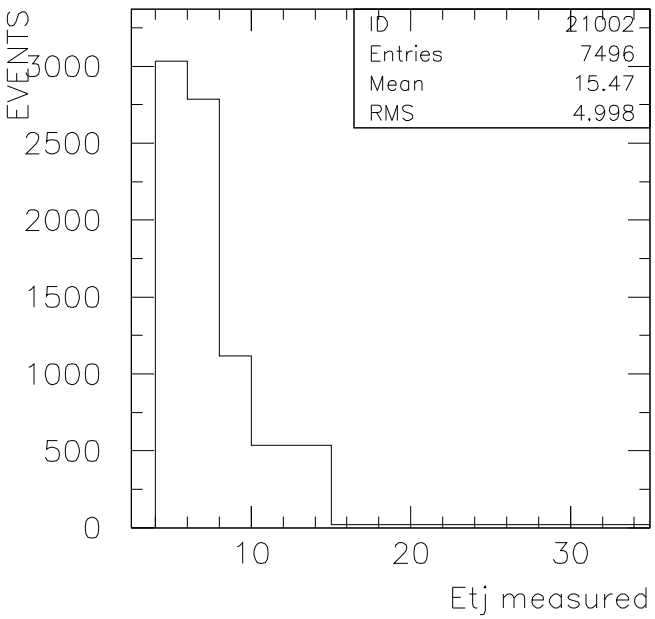
Acceptance (measured/true) Photon + jet

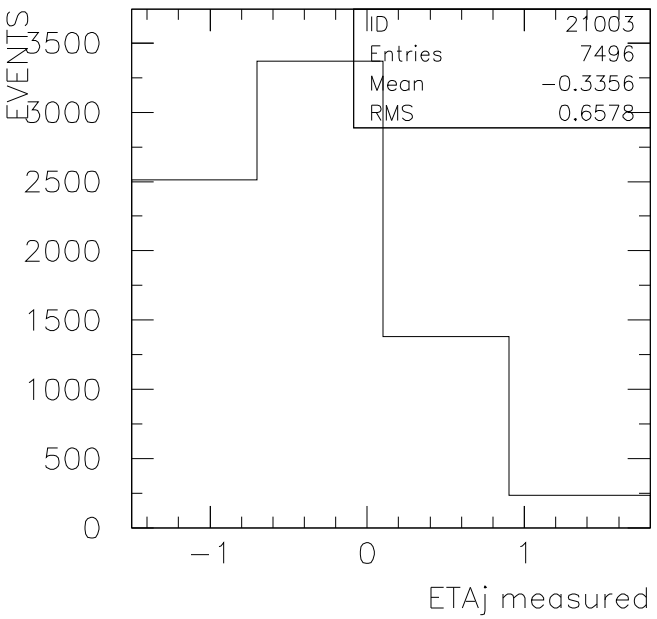


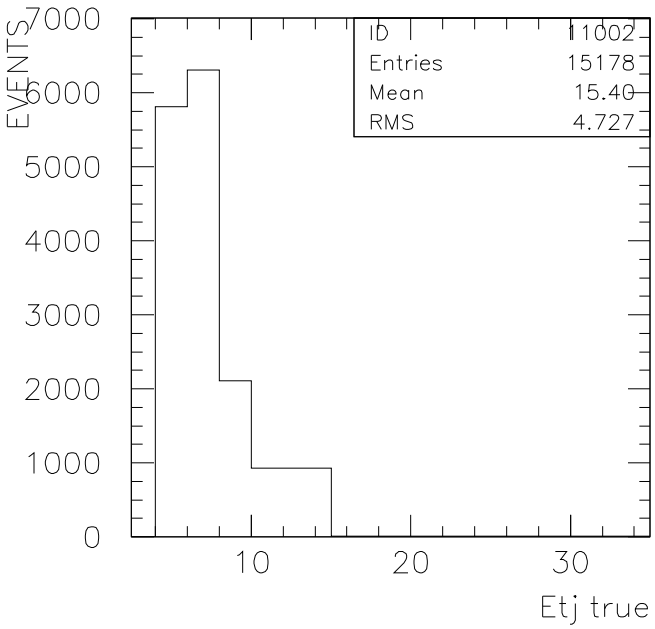


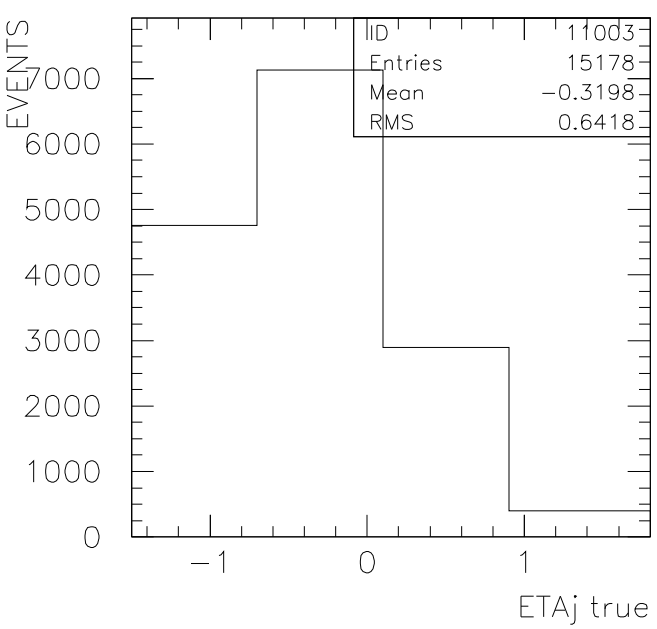
2015/03/01 11.44

Acceptance (measured/true) Photon + jet



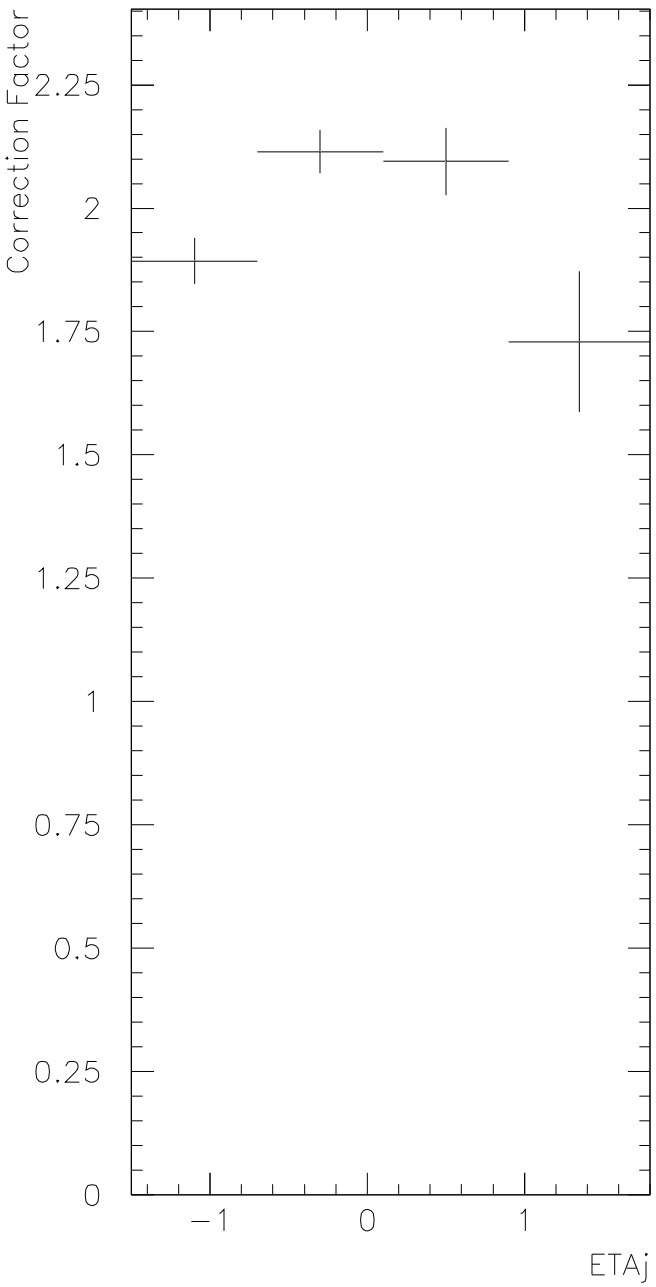


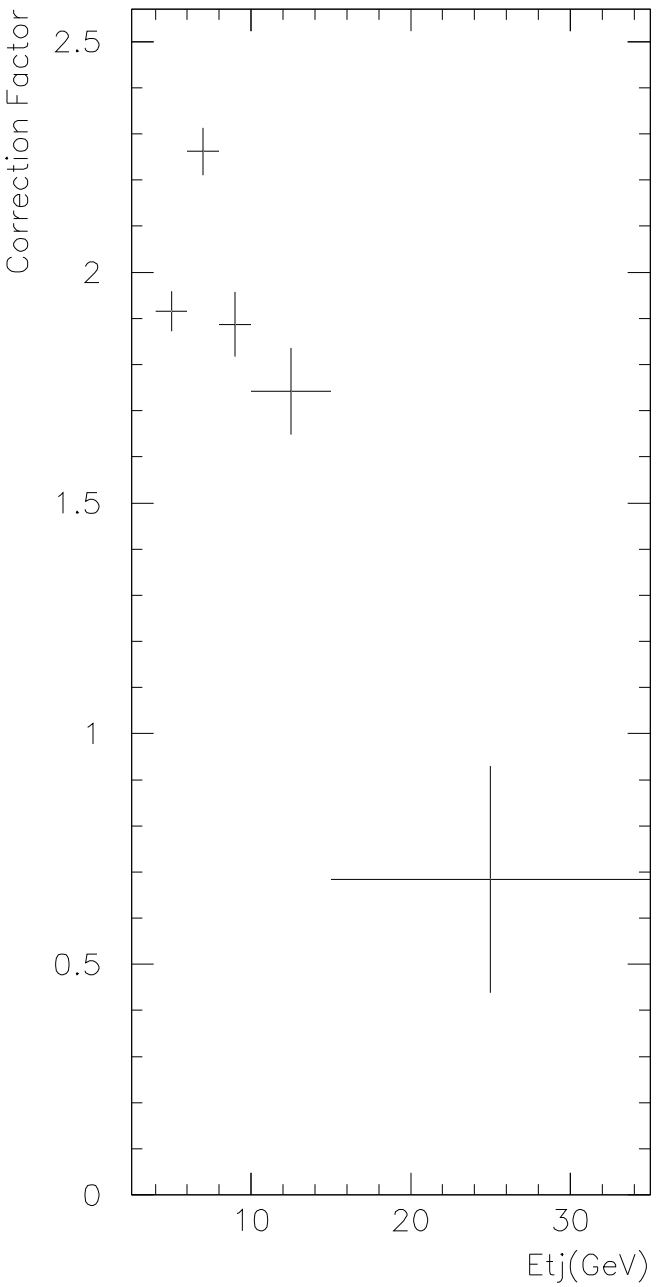


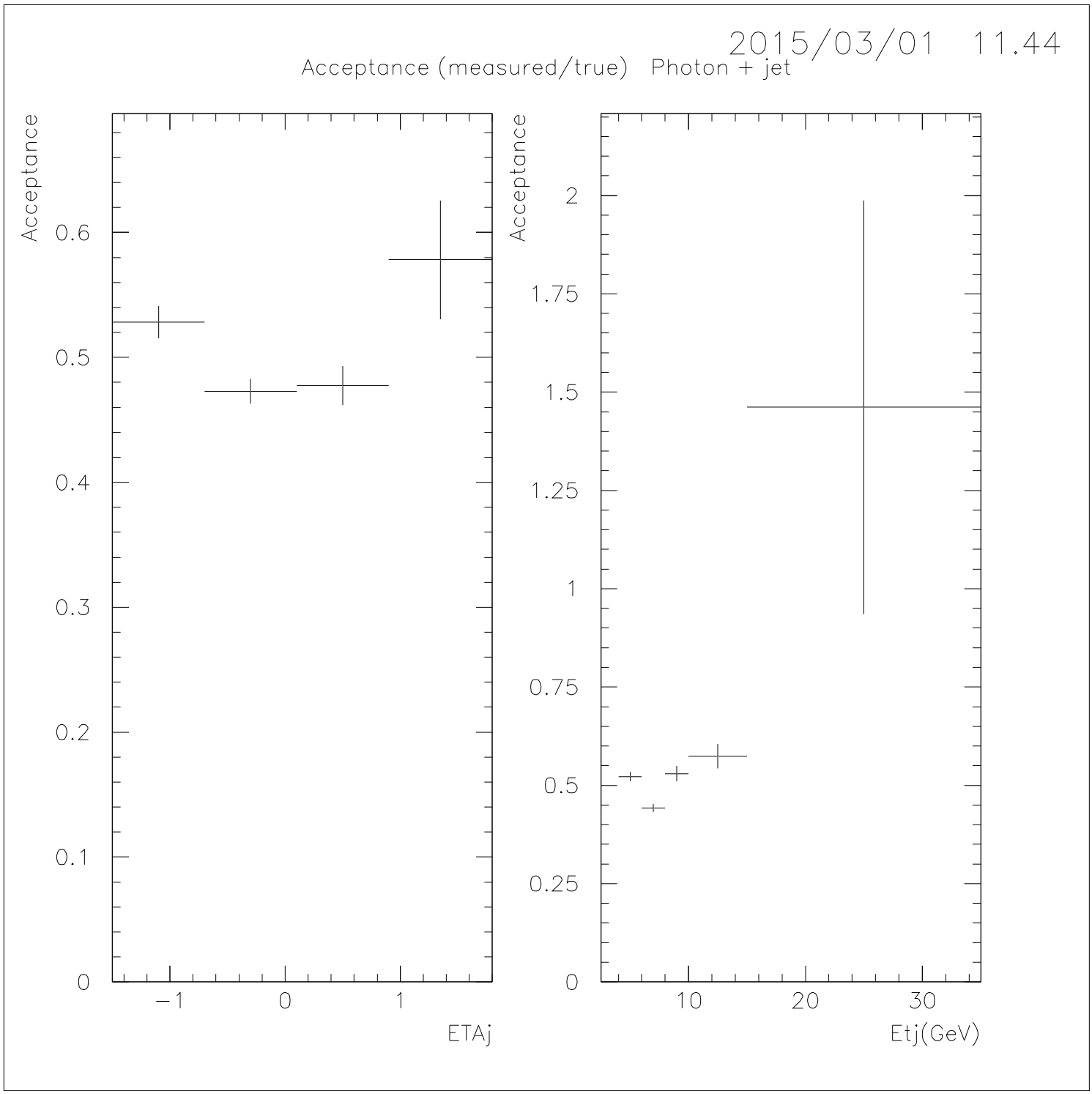


2015/03/01 11.44

corr. factor measured to truth Photon + jet

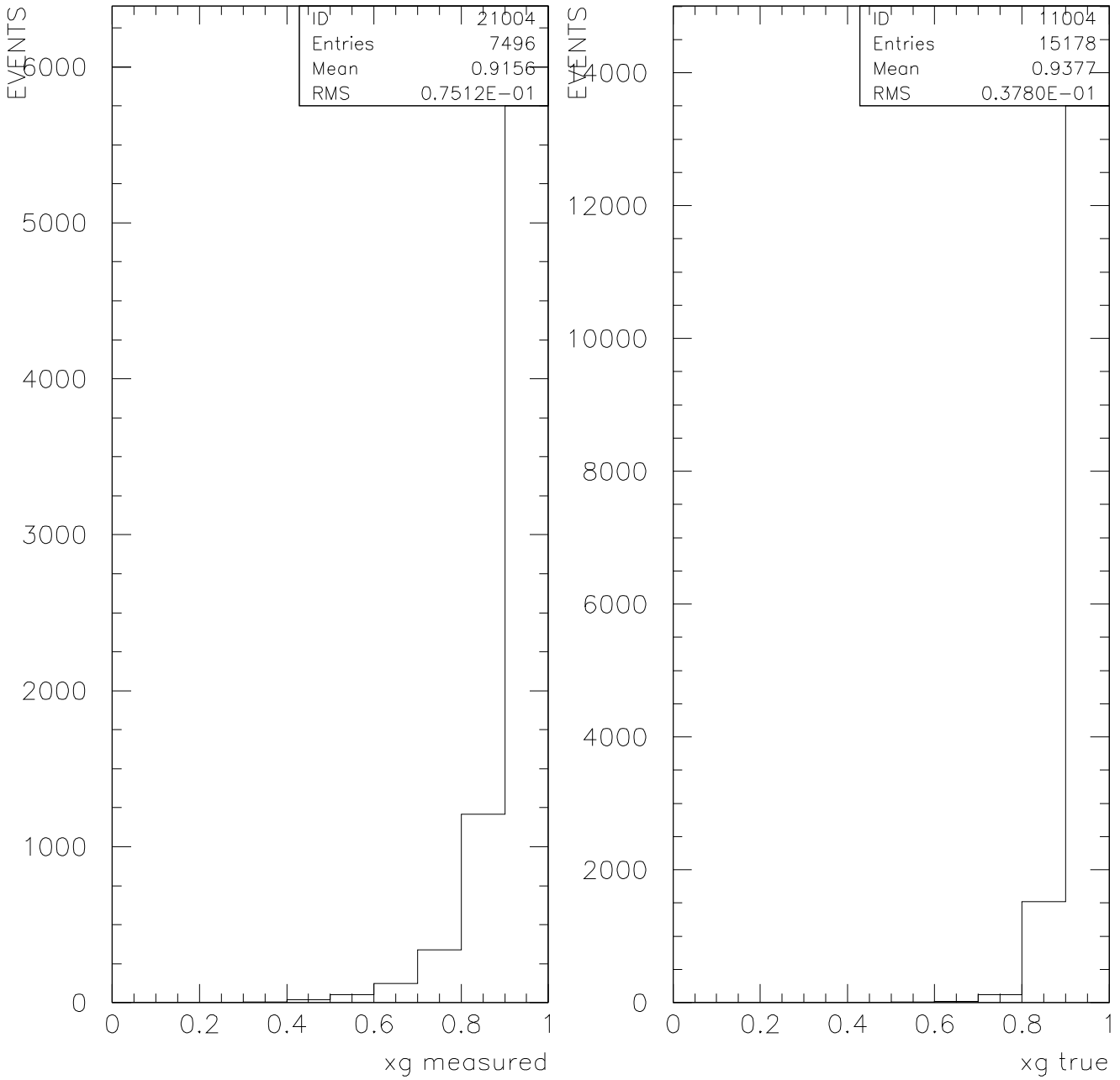


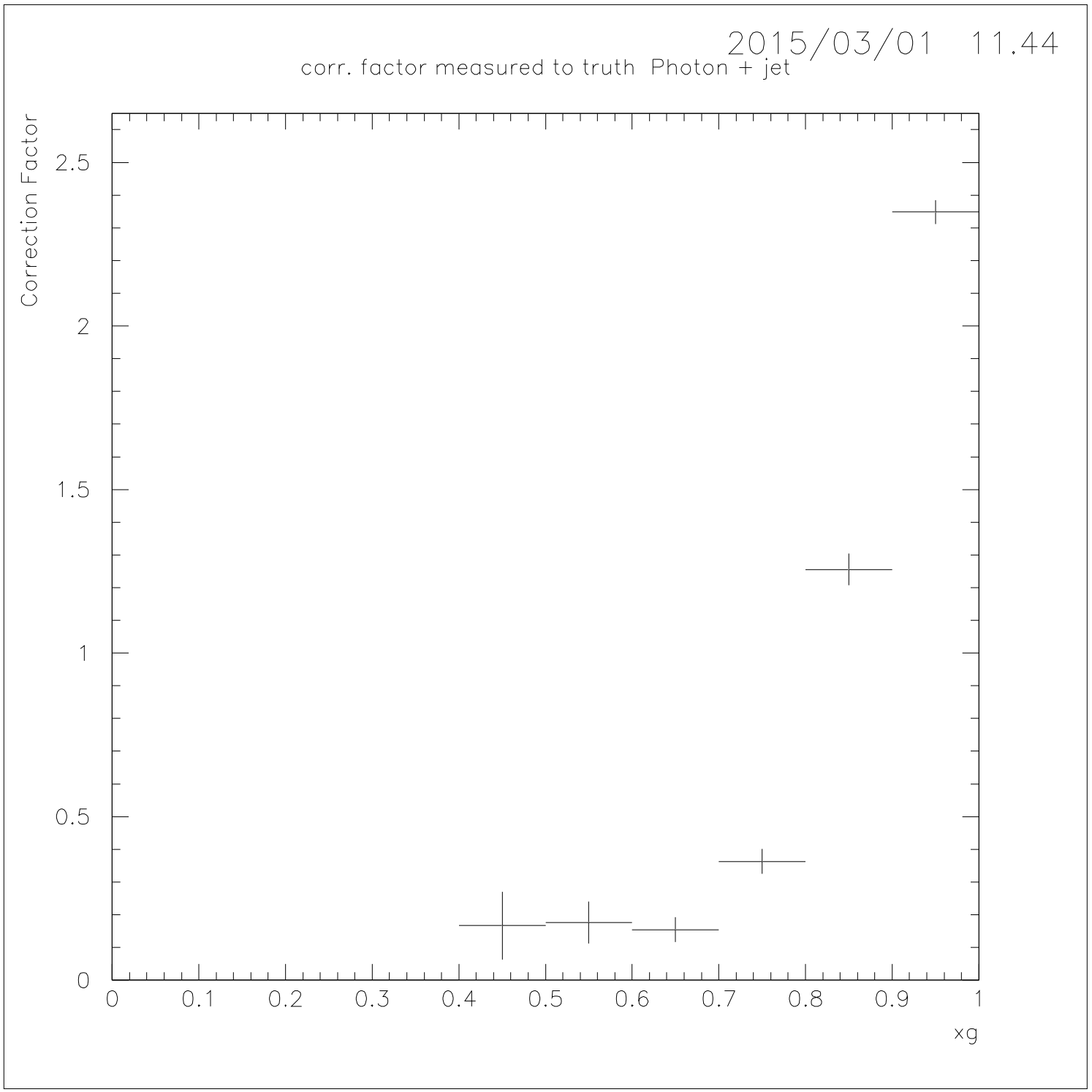


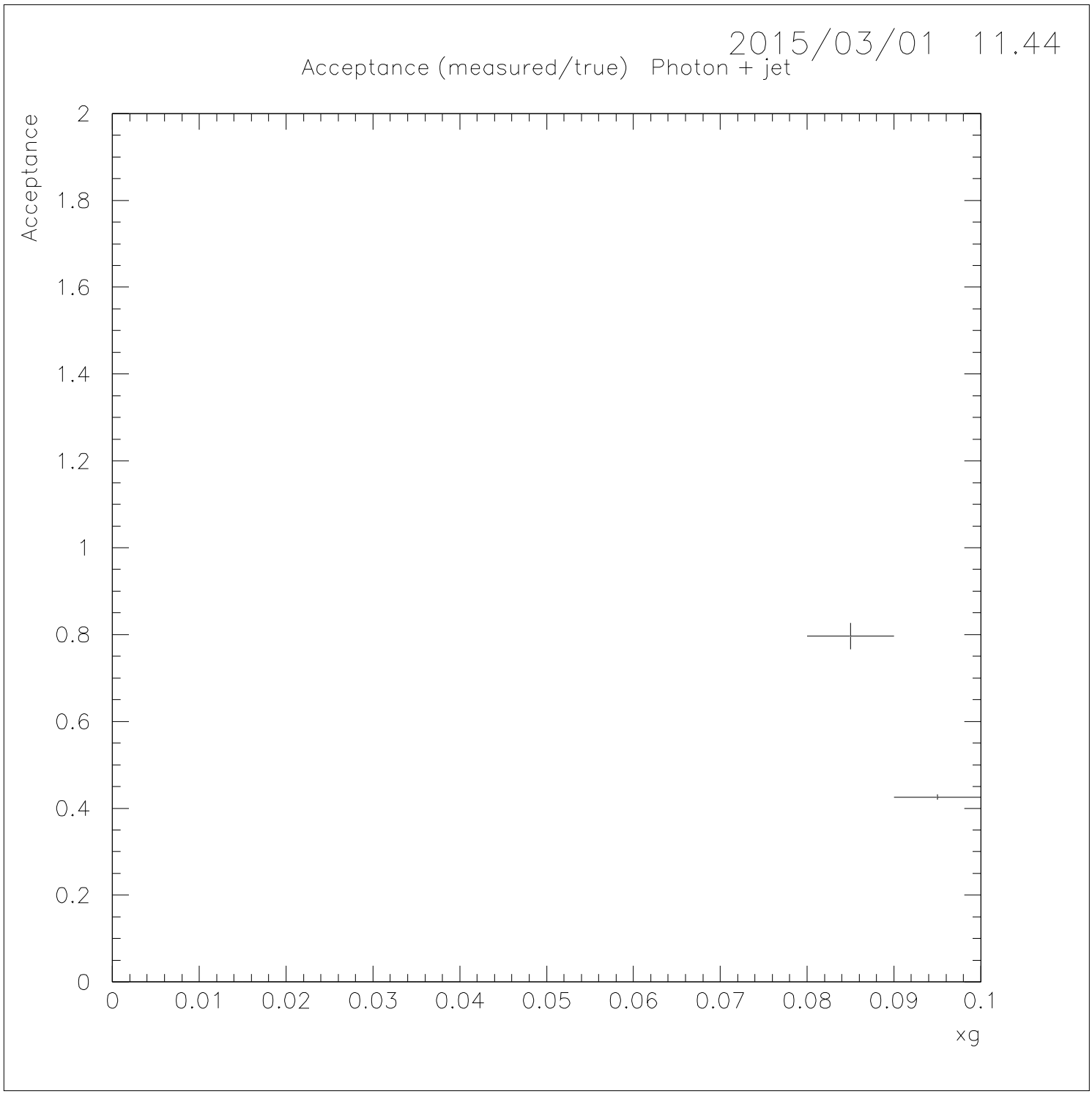

2015/03/01 11.44
Acceptance (measured/true) Photon + jet
Acceptance
0.6
0.5
0.4
0.3
0.2
0.1
0
−1
0
1
ETAj
Acceptance
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
10
20
30
Etj(GeV)

2015/03/01 11.44

Acceptance (measured/true) Photon + jet

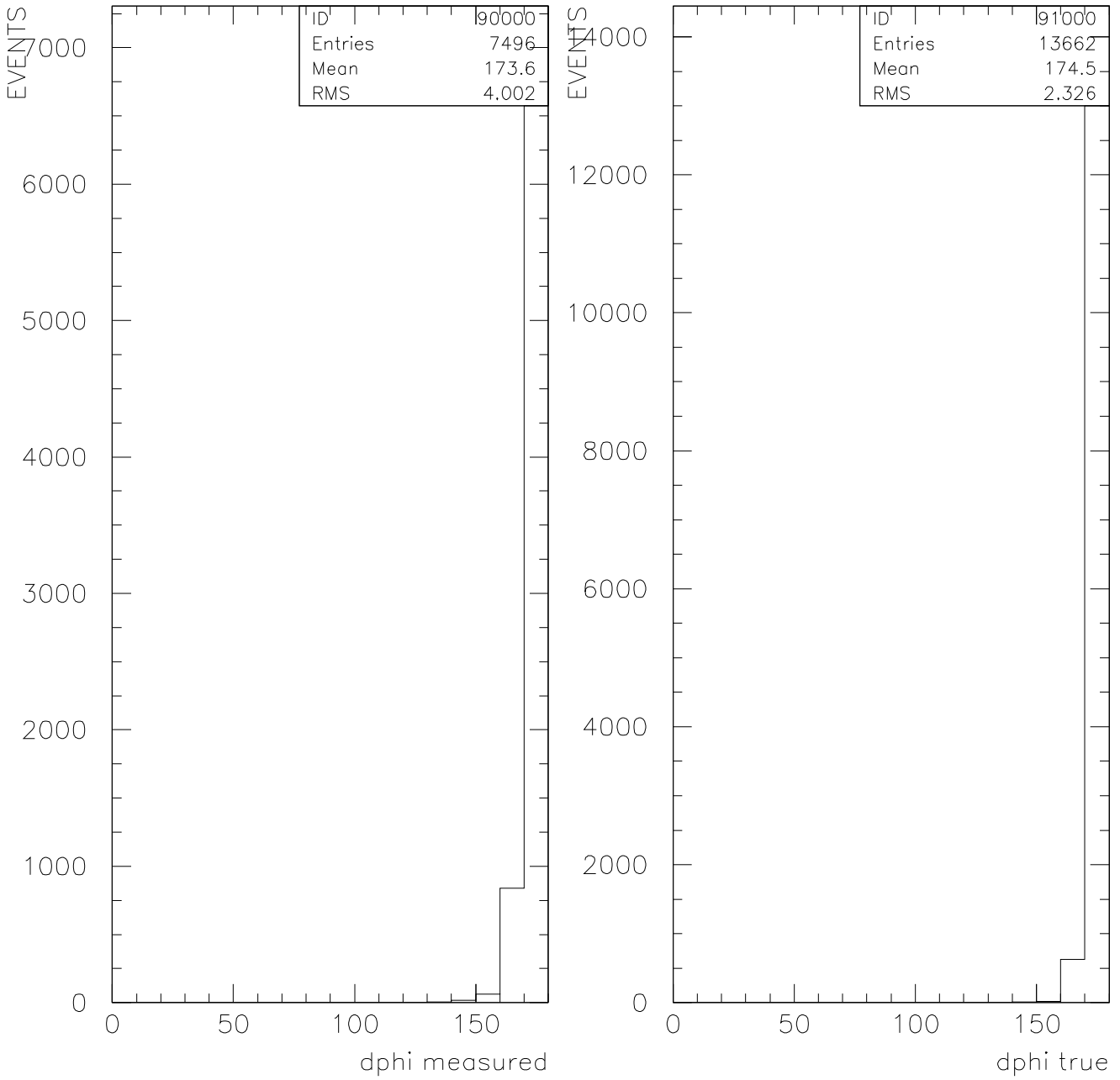


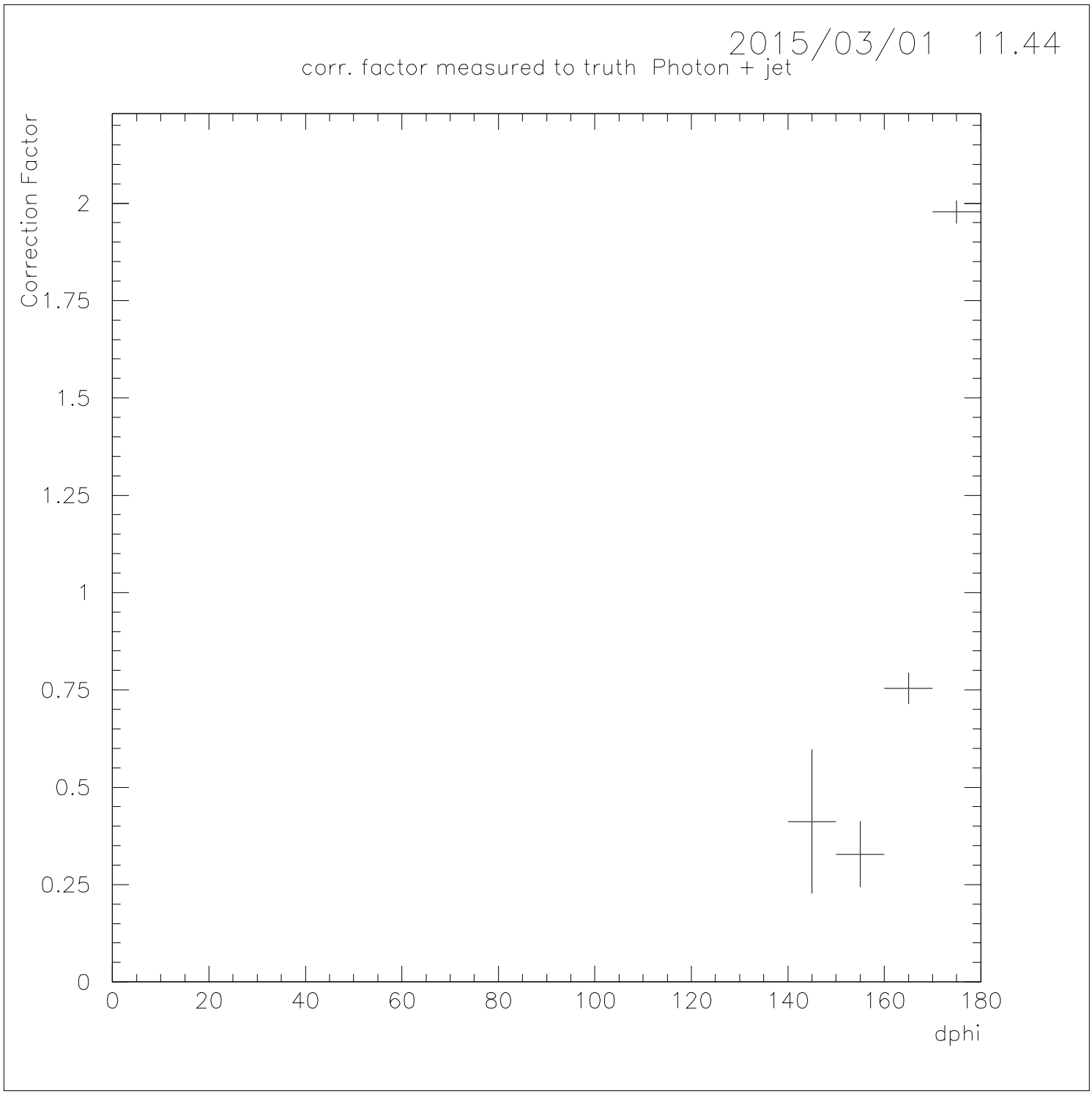

2015/03/01 11.44
corr. factor measured to truth Photon + jet
Correction Factor
2.5
2
1.5
1
0.5
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
xg


2015/03/01 11.44
Acceptance (measured/true) Photon + jet
Acceptance
2
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

2015/03/01 11.44

Acceptance (measured/true) Photon + jet




2015/03/01 11.44
corr. factor measured to truth Photon + jet
Correction Factor
2
1.75
1.5
1.25
1
0.75
0.5
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0
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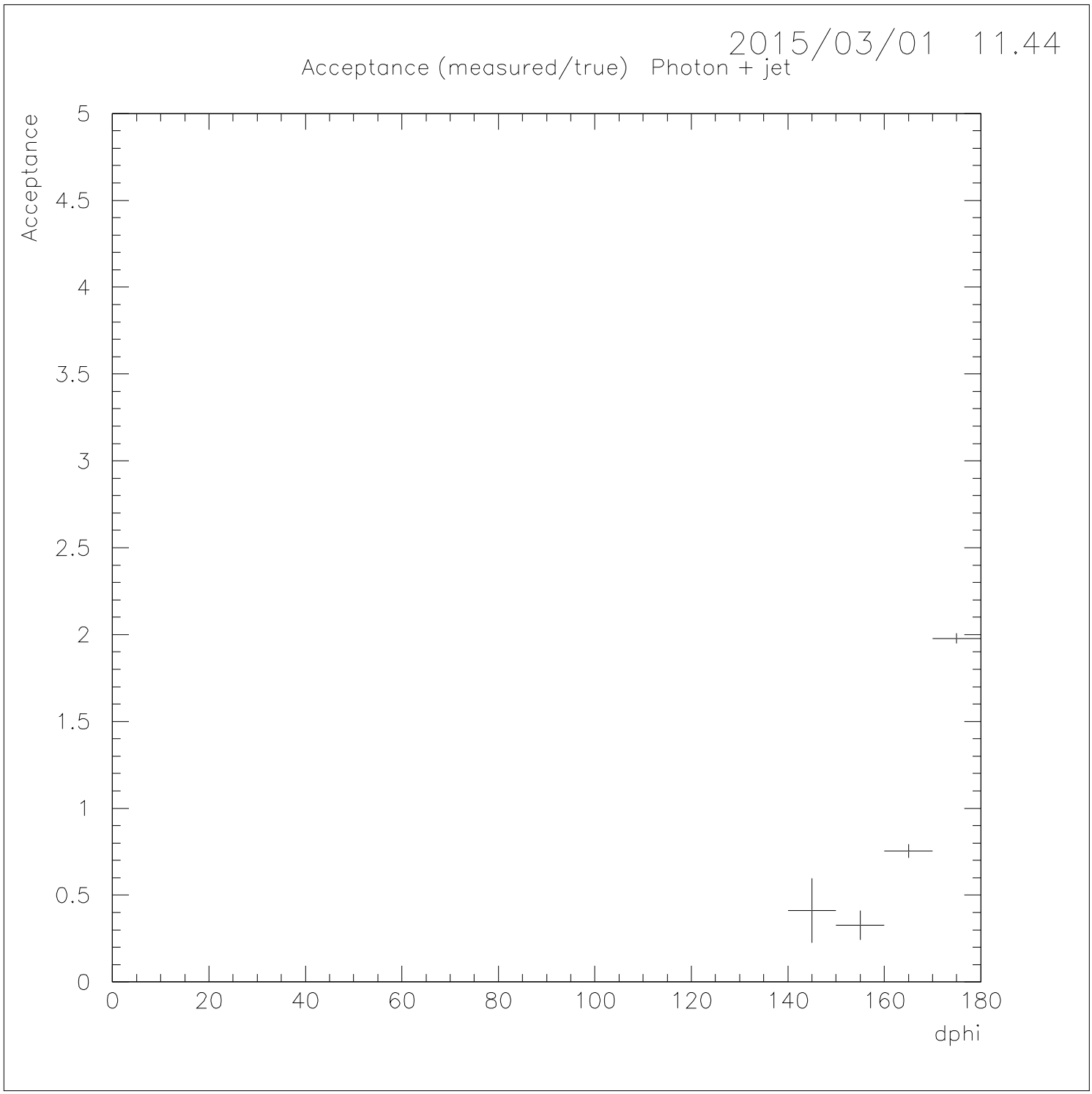
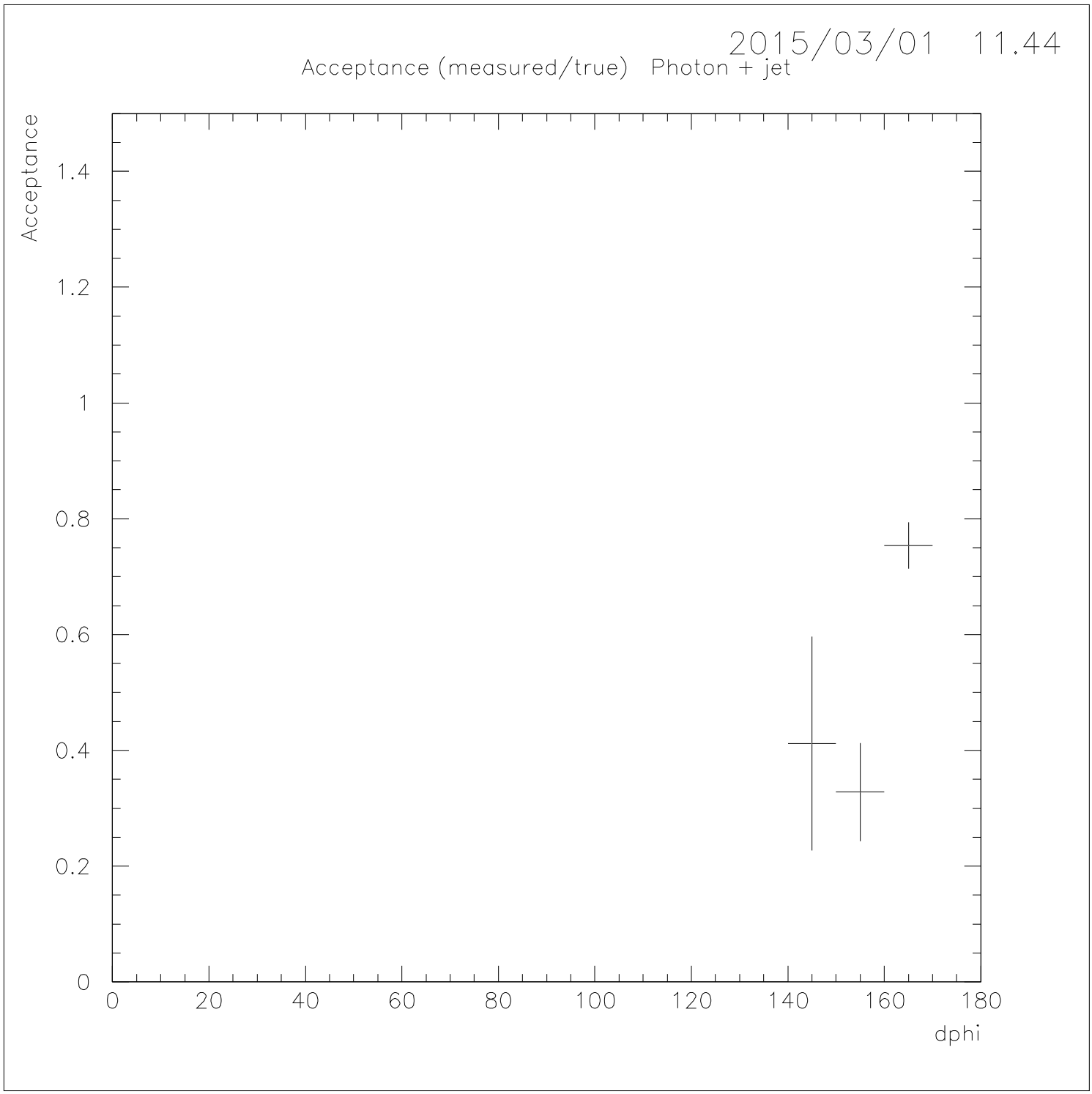
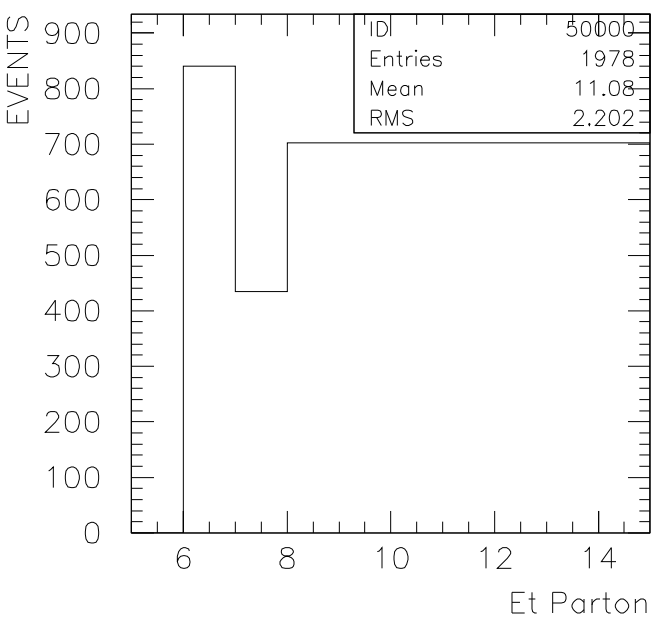
100
120
140
160
180
dphi

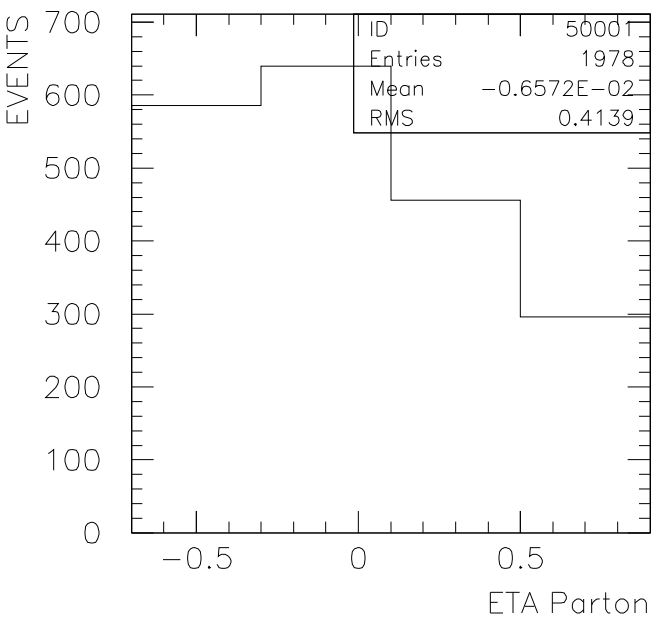

2015/03/01 11.44
Acceptance (measured/true) Photon + jet
Acceptance
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

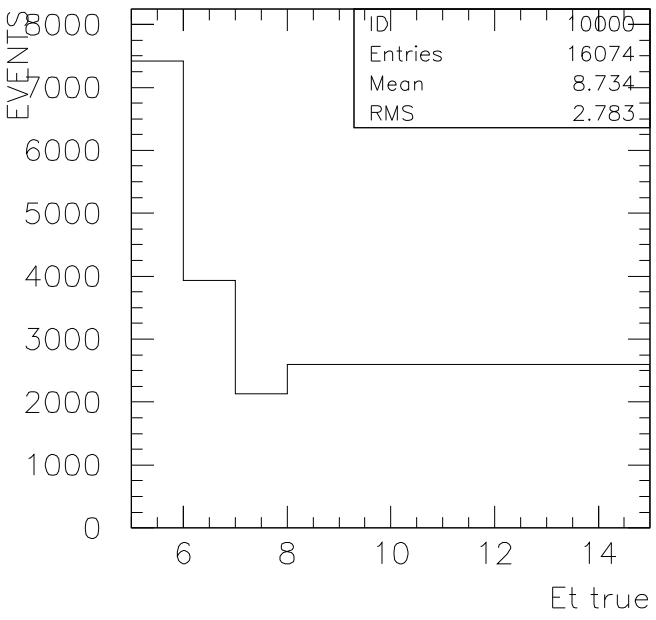

2015/03/01 11.44
Acceptance (measured/true) Photon + jet
Acceptance
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
120
140
160
180
dphi

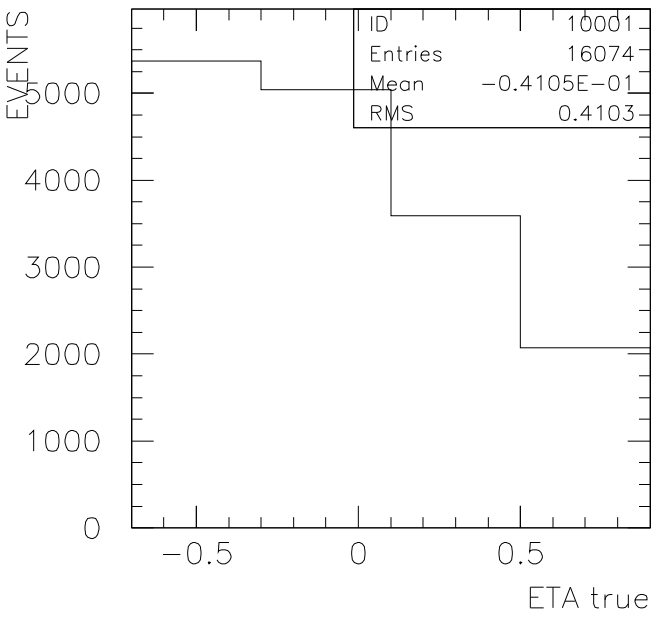
2015/03/01 11.44

inclusive Parton−True



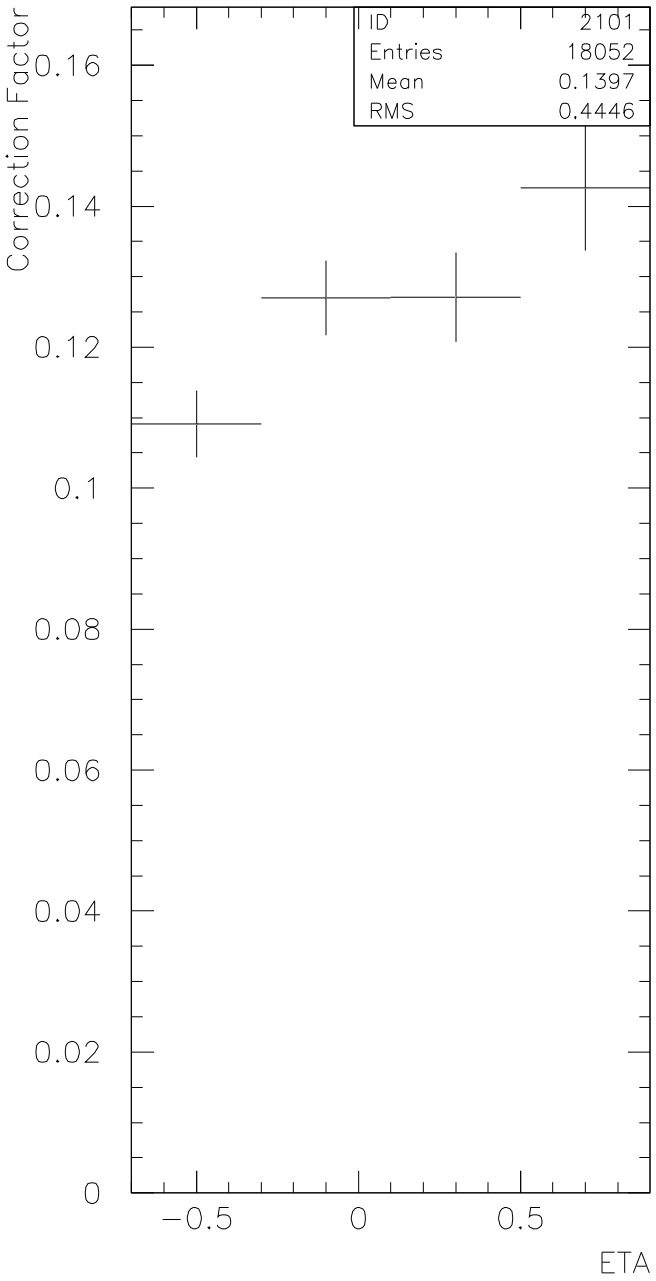


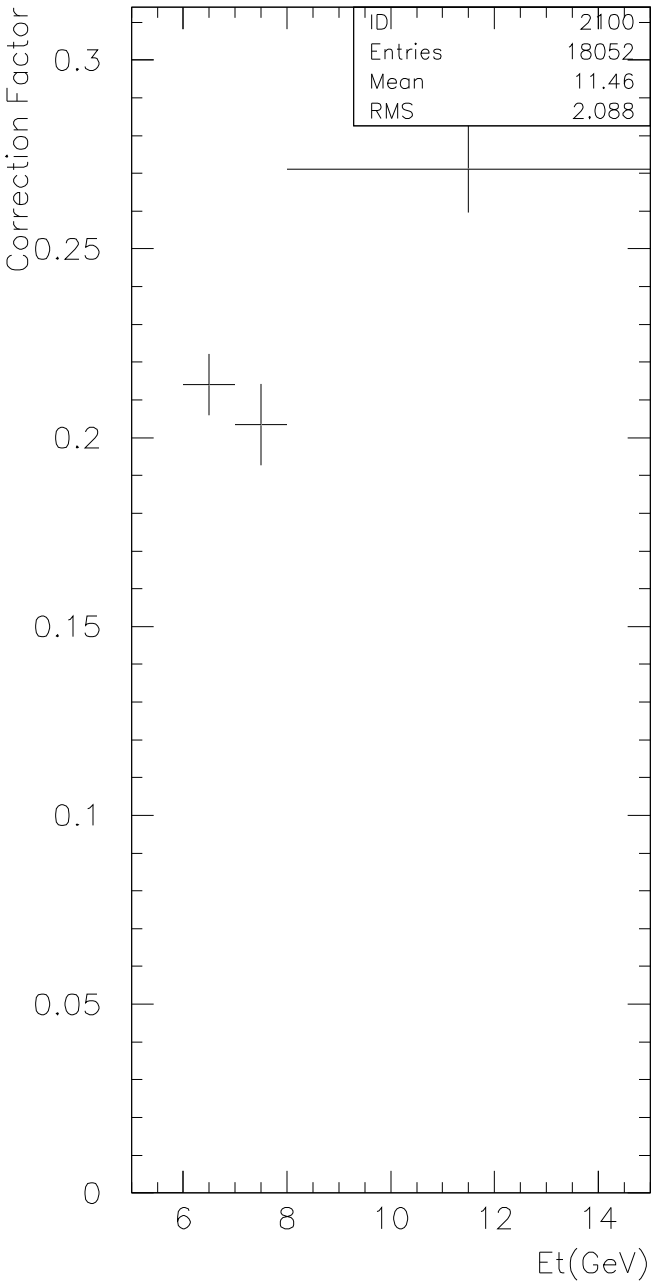




2015/03/01 11.44

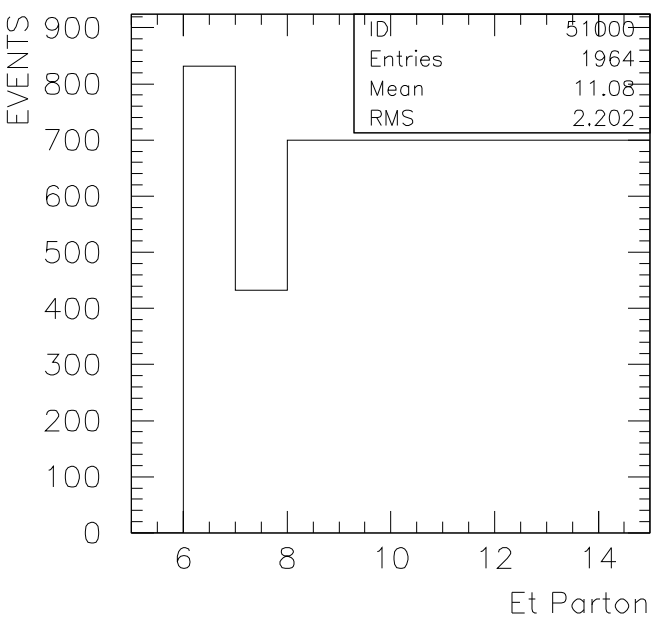
corr. factor truth to parton inclusive

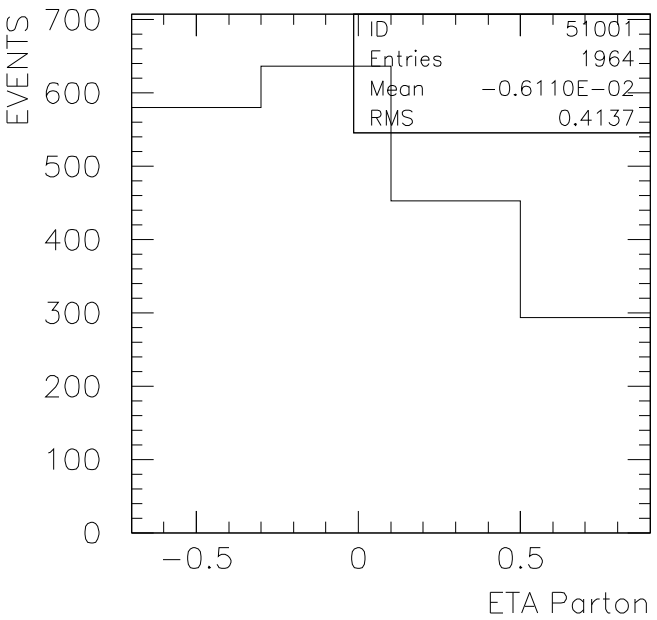


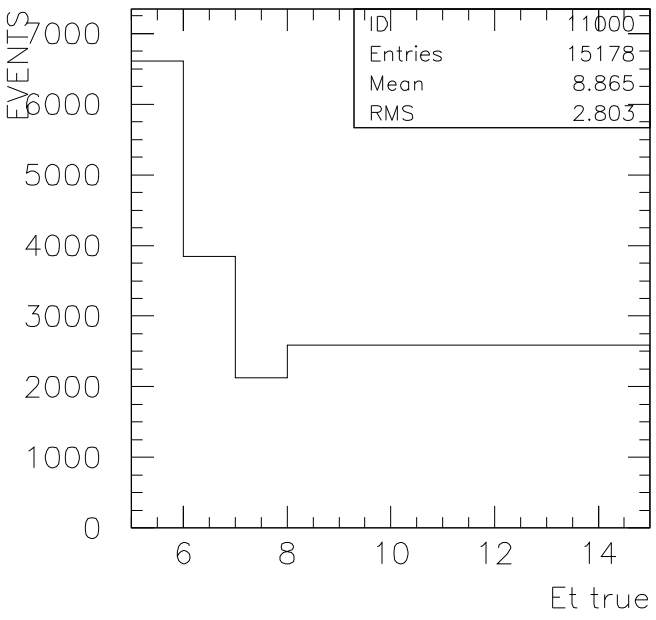


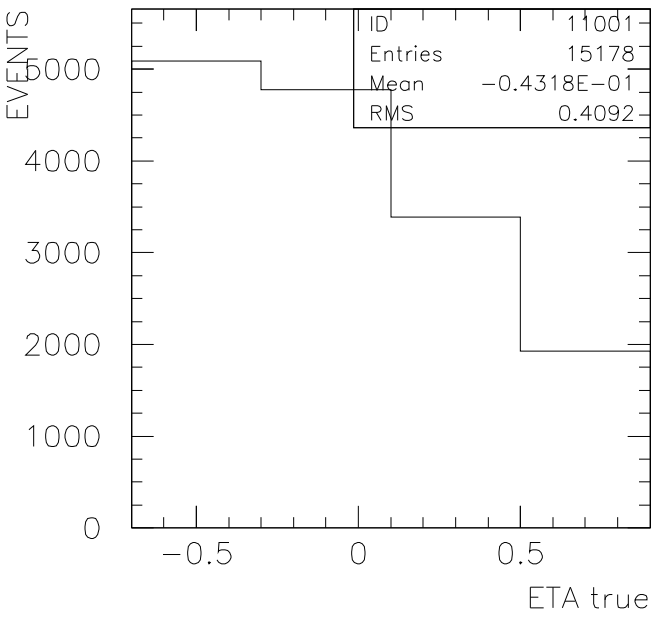
2015/03/01 11.44

Photon + Jet, Parton−True



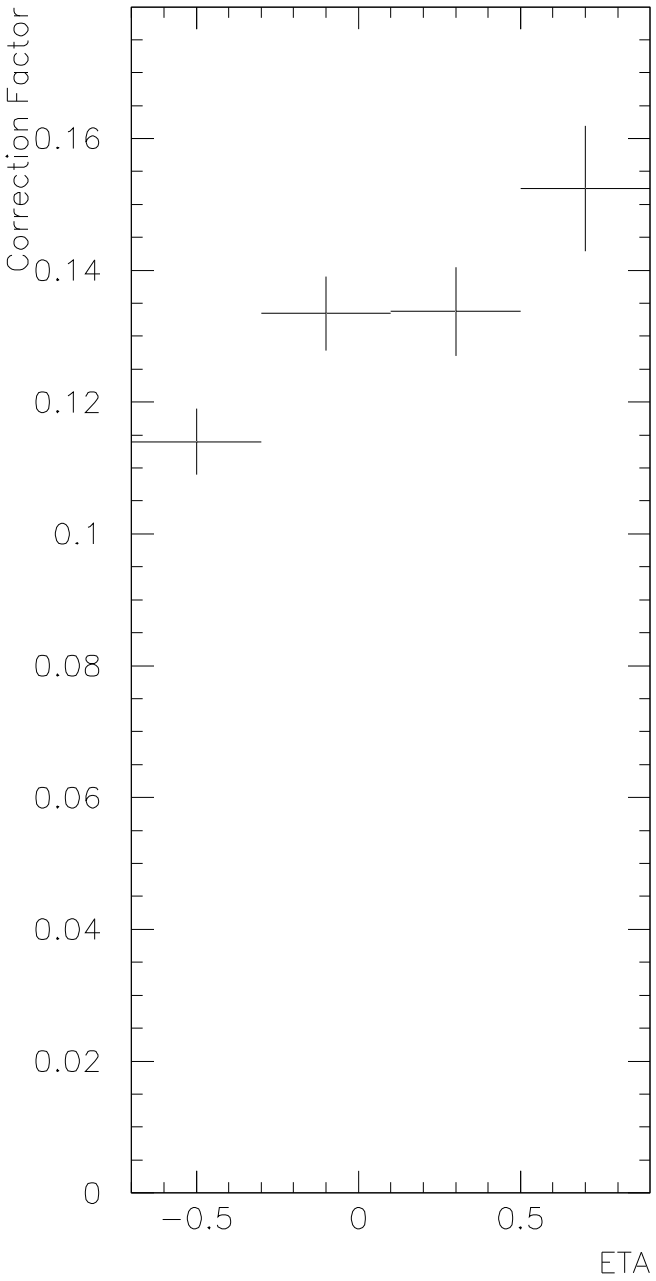


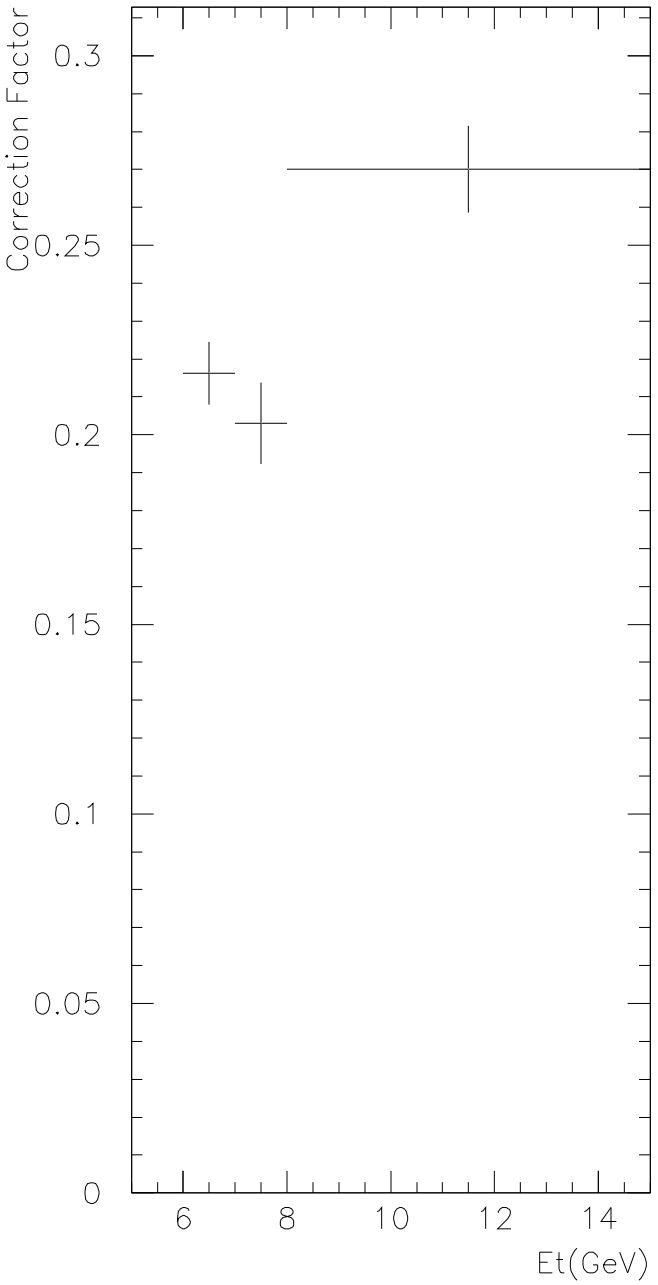




2015/03/01 11.44

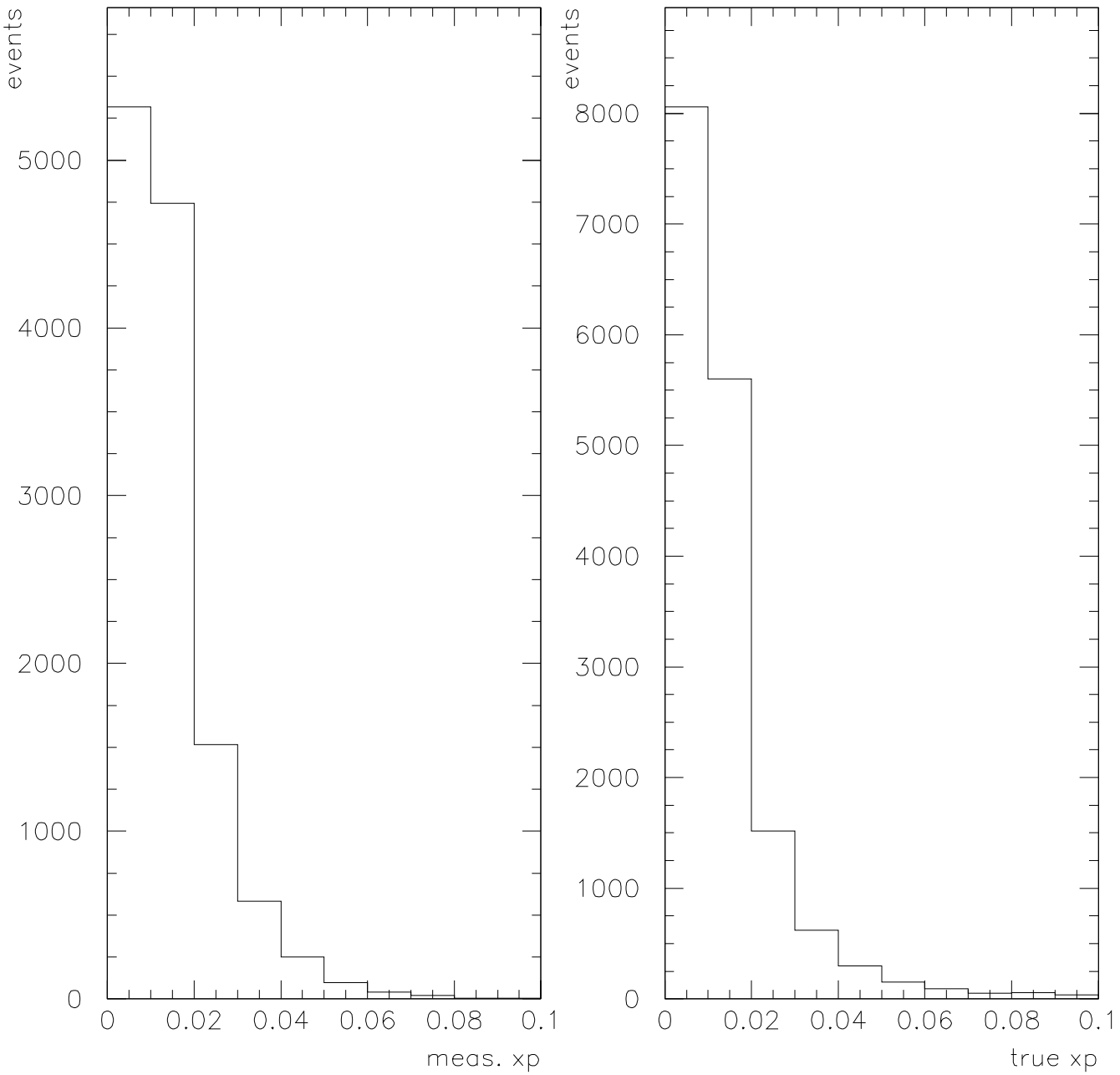
corr. factor truth to parton Photon + Jet

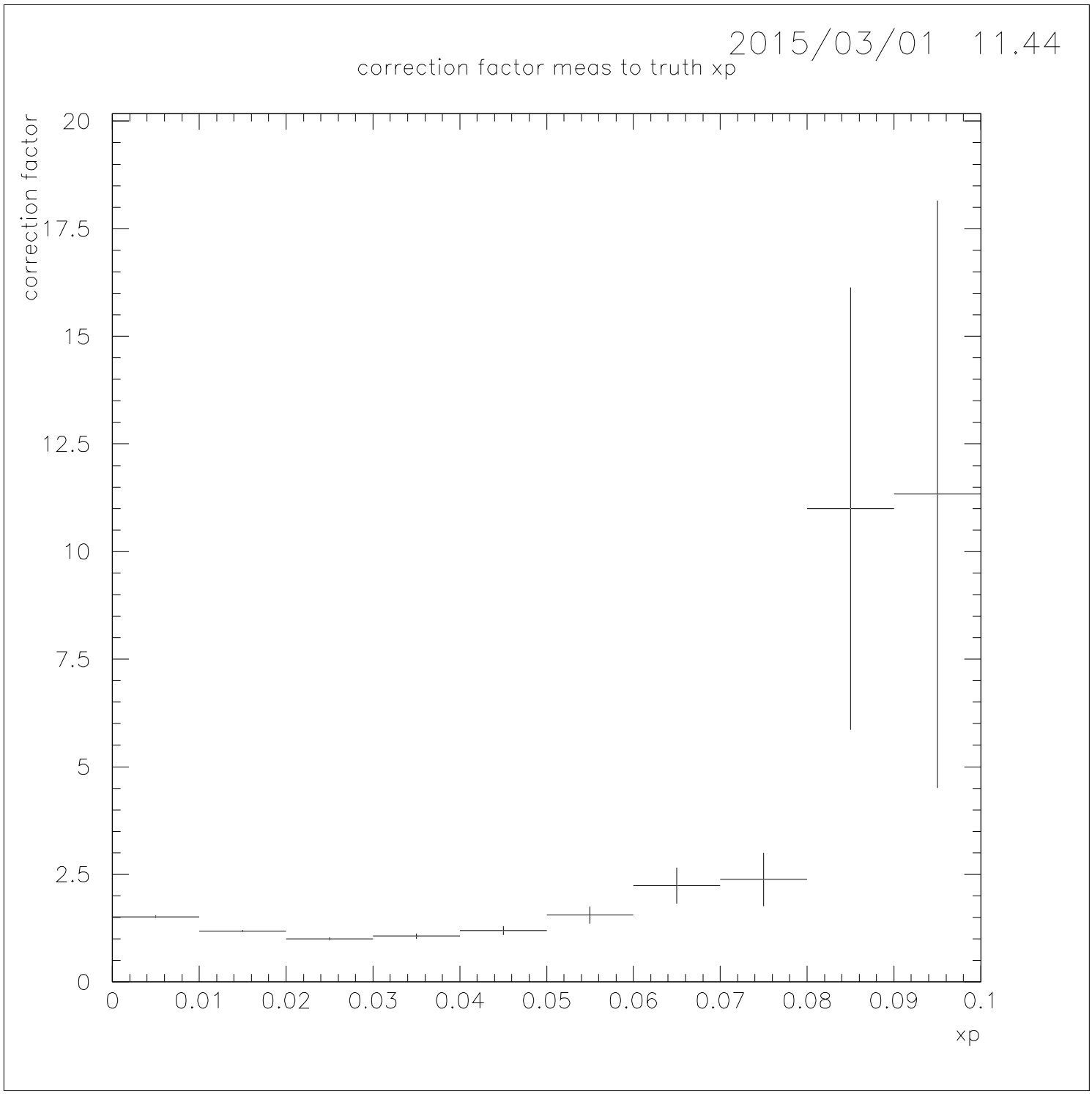


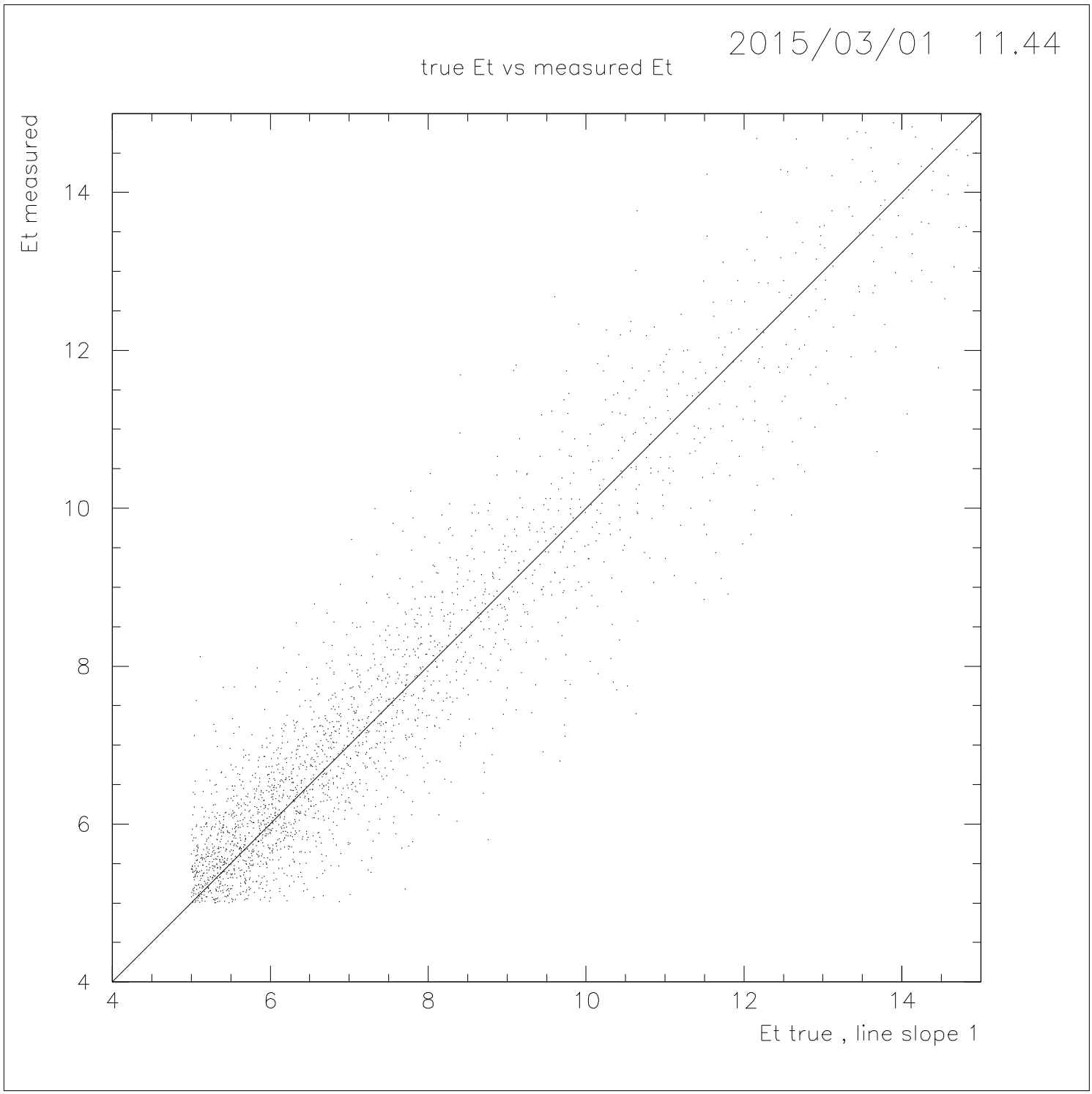


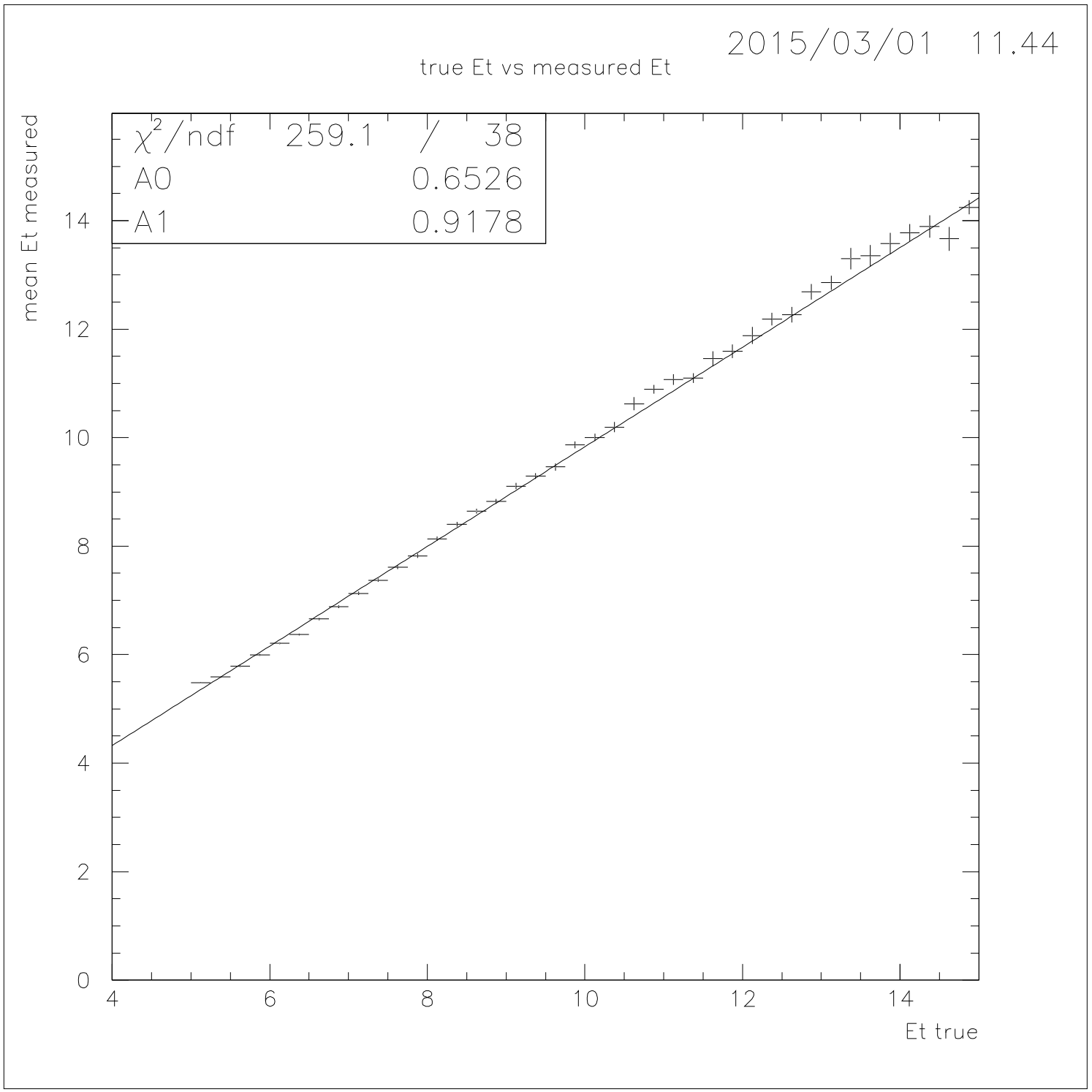
2015/03/01 11.44

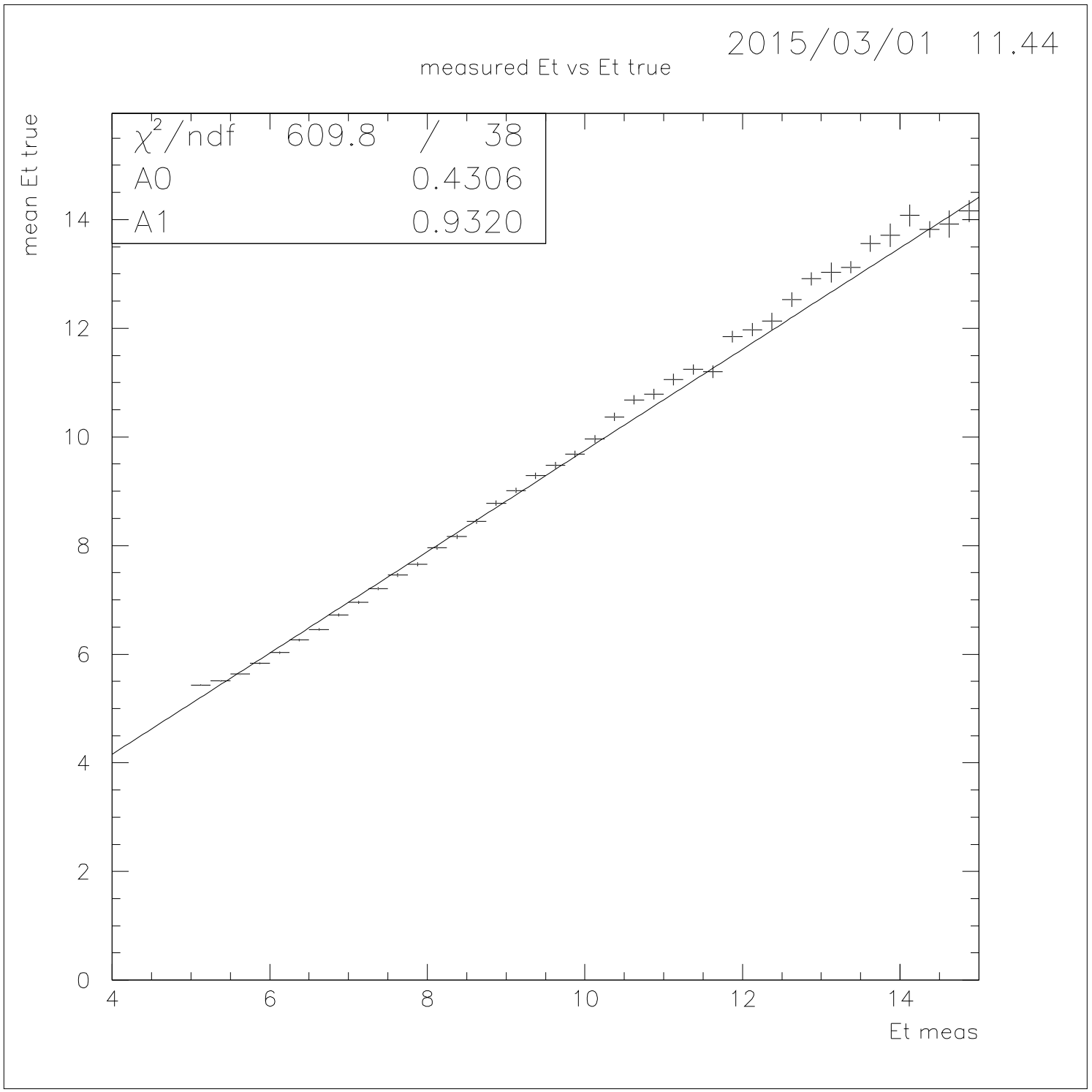
correction factor meas to truth xp




2015/03/01 11.44
correction factor meas to truth xp
correction factor
20
17.5
15
12.5
10
7.5
5
2.5
0
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
xp


2015/03/01 11.44
true Et vs measured Et
Et measured
14
12
10
8
6
4
4
6
8
10
12
14
Et true , line slope 1


2015/03/01 11.44
true Et vs measured Et
χ²/ndf 259.1 / 38
A0 0.6526
A1 0.9178
mean Et measured
Et true
0
2
4
6
8
10
12
14
4
6
8
10
12
14


2015/03/01 11.44
measured Et vs Et true
mean Et true
Et meas
χ²/ndf 609.8 / 38
A0 0.4306
A1 0.9320
0
2
4
6
8
10
12
14
4
6
8
10
12
14