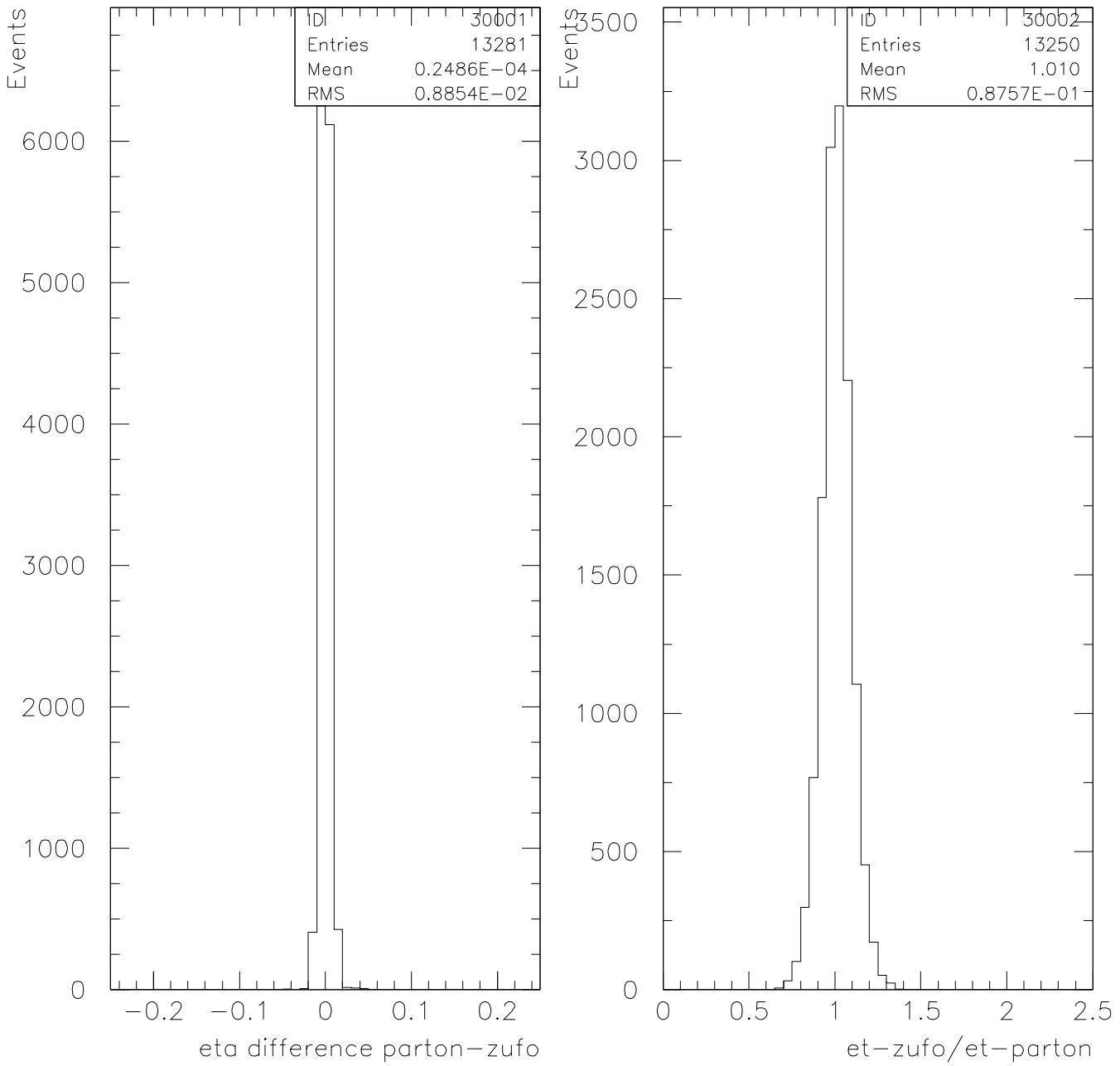
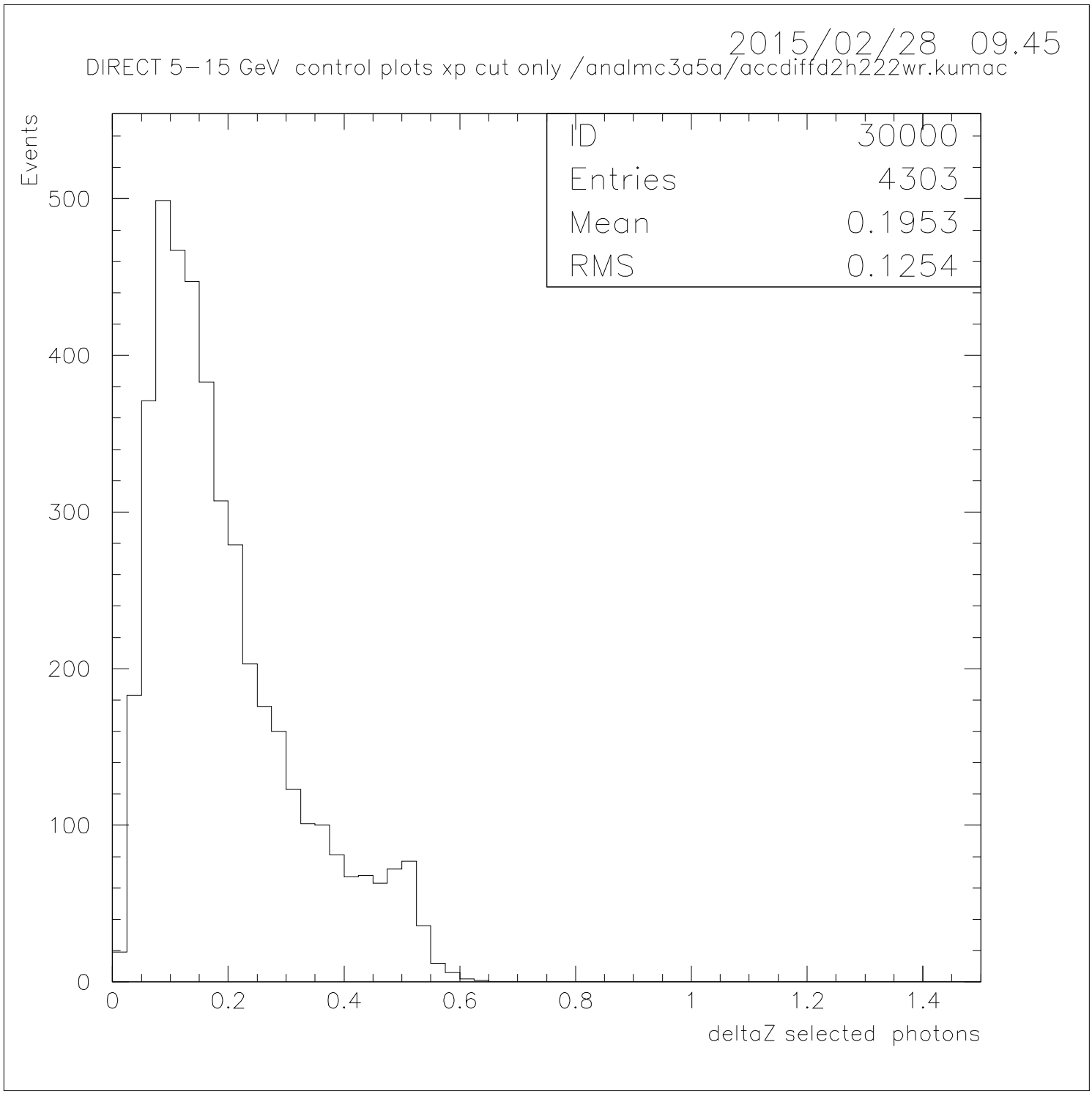
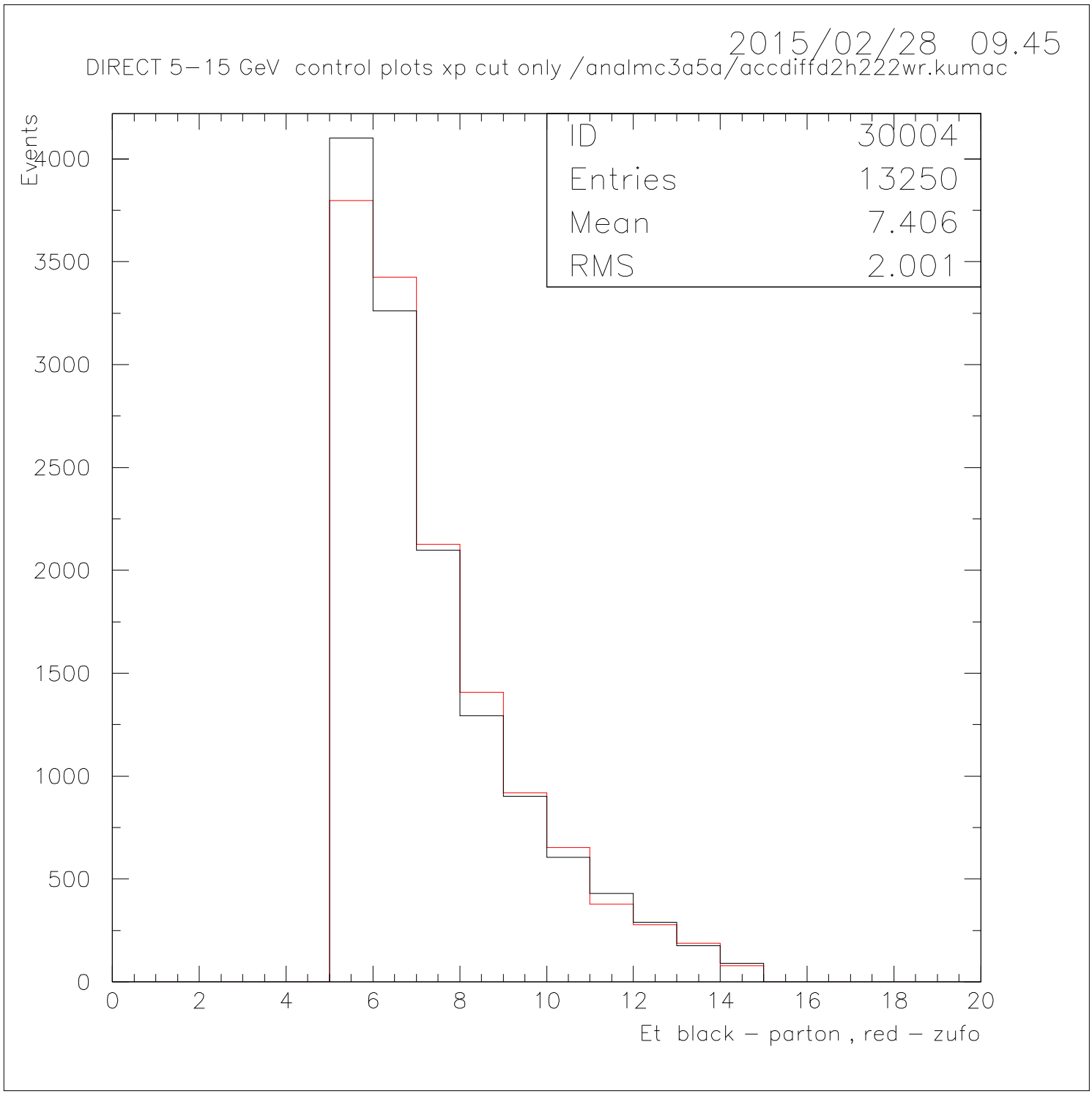
2015/02/28 09.45

DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h222wr.kumac

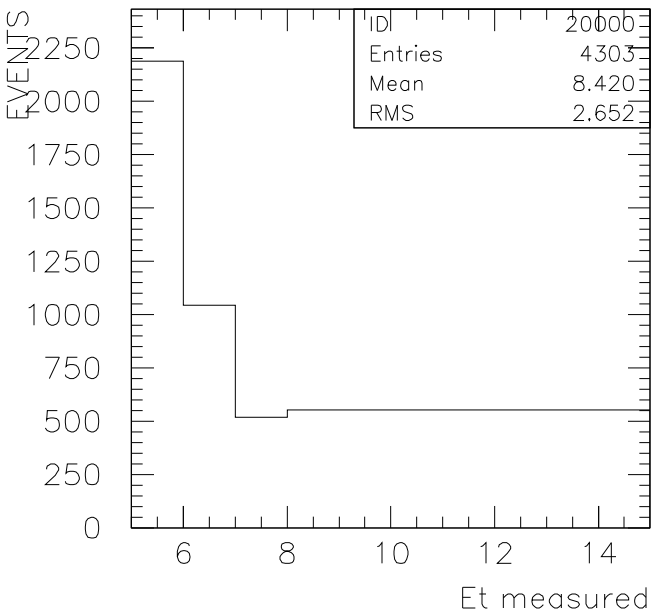


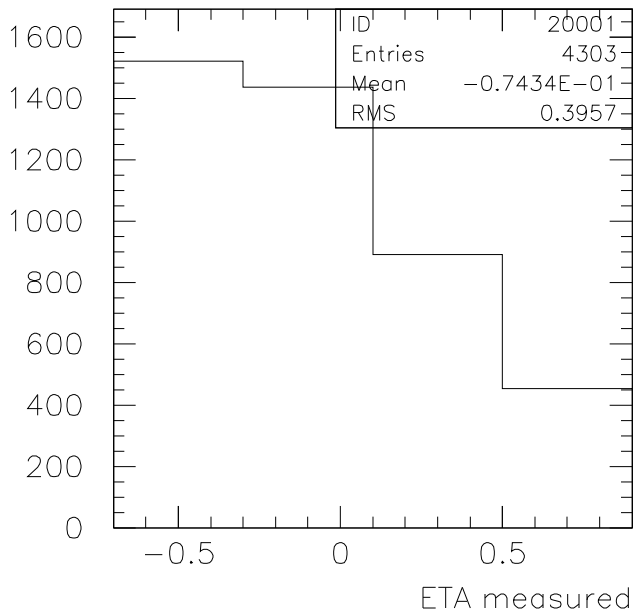

2015/02/28 09.45
DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h222wr.kumac
ID 30000
Entries 4303
Mean 0.1953
RMS 0.1254
Events
0
100
200
300
400
500
0
0.2
0.4
0.6
0.8
1
1.2
1.4
deltaZ selected photons

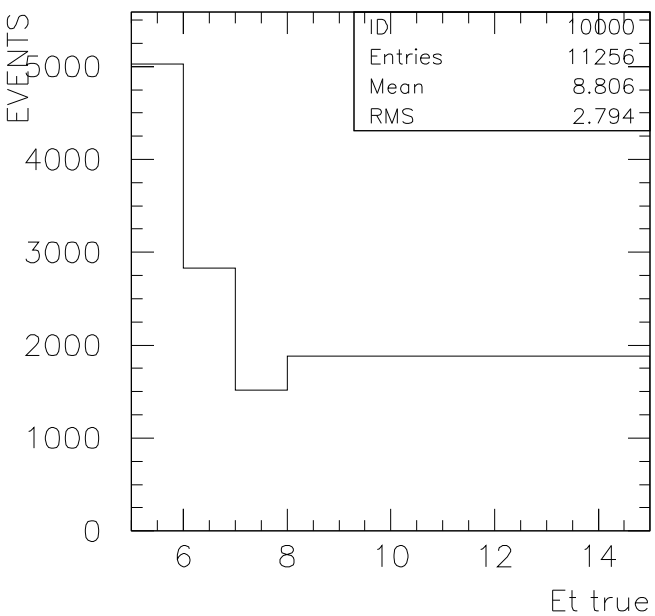

2015/02/28 09.45
DIRECT 5−15 GeV control plots xp cut only /analmc3a5a/accdiffd2h222wr.kumac
Events
ID 30004
Entries 13250
Mean 7.406
RMS 2.001
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
18
20
Et black − parton , red − zufo

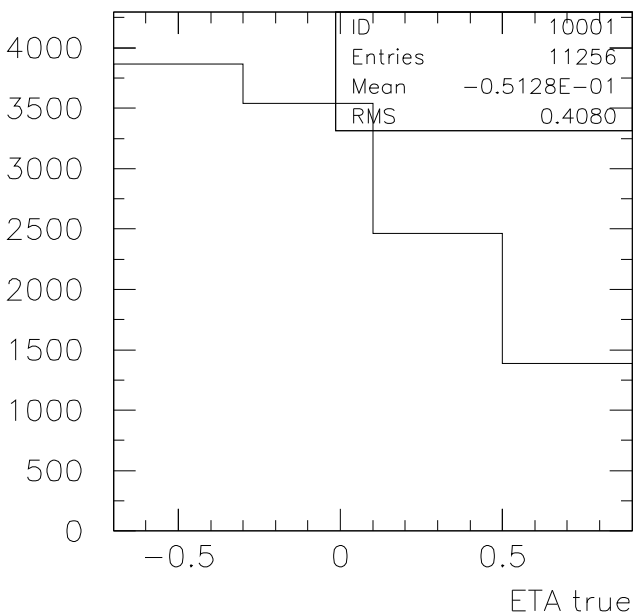
2015/02/28 09.45

inclusive accdiffd2h222wr.kumac



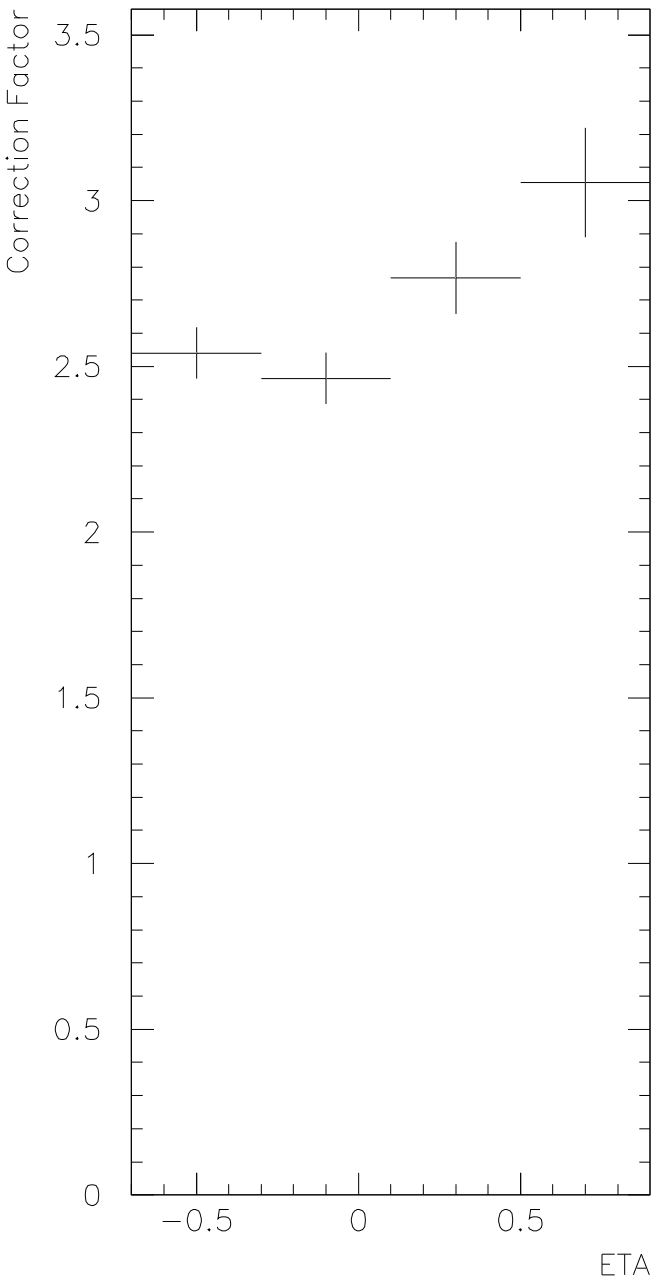


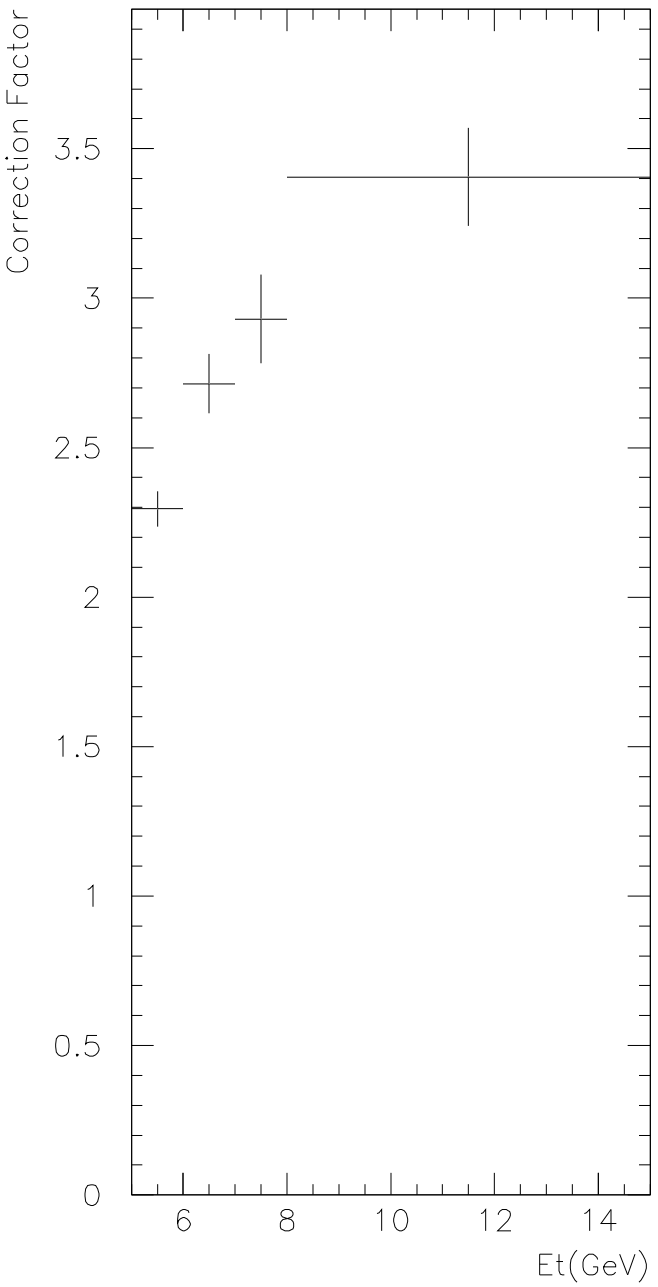




2015/02/28 09.45

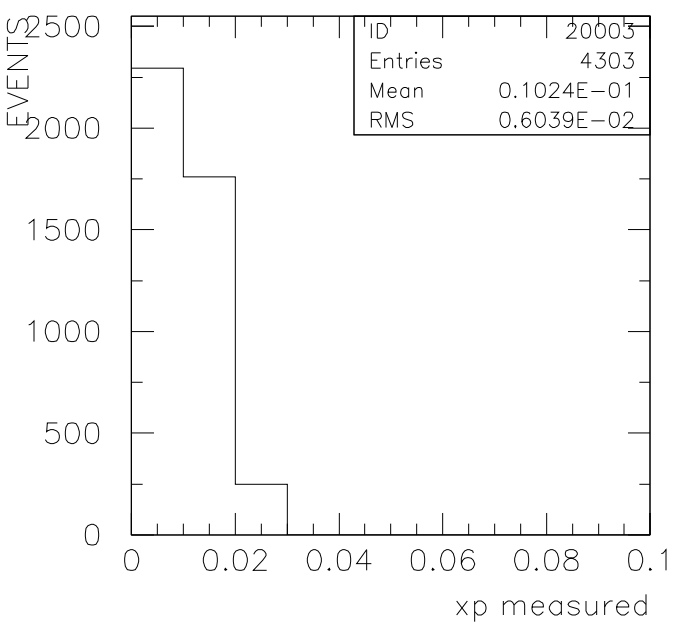
DIRECT corr. factor measured to truth inclusive

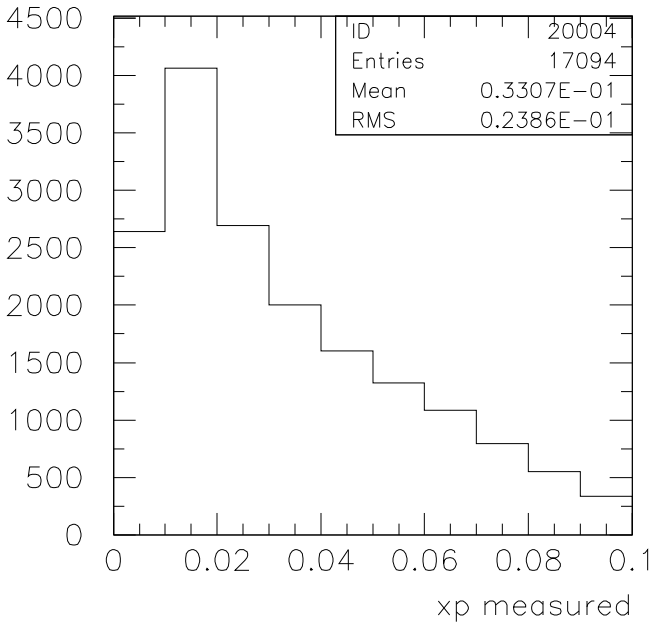


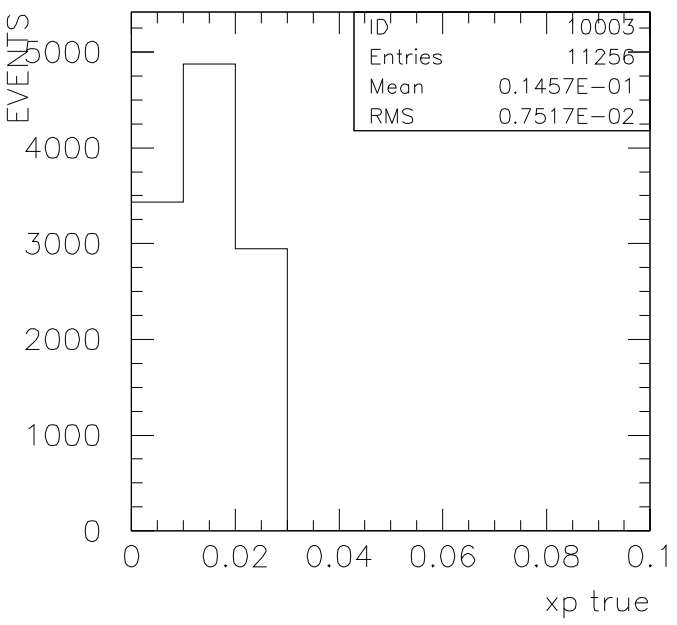


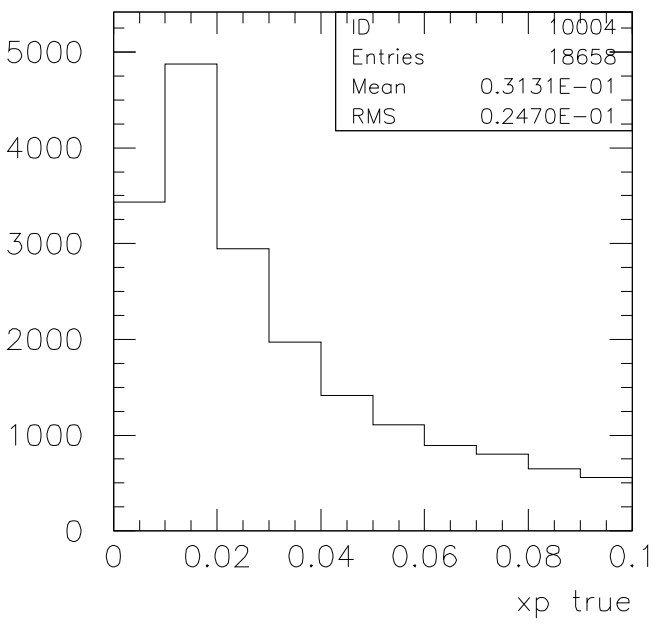
2015/02/28 09.45

inclusive accdiffd2h222wr.kumac



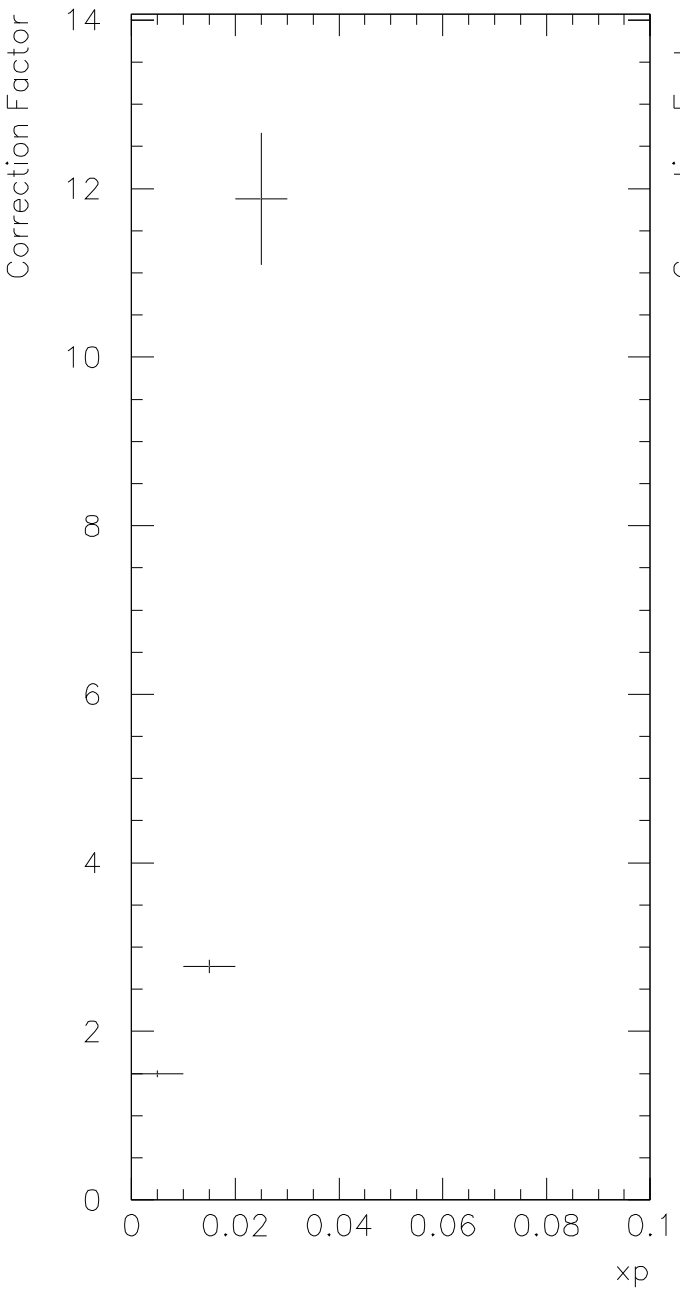


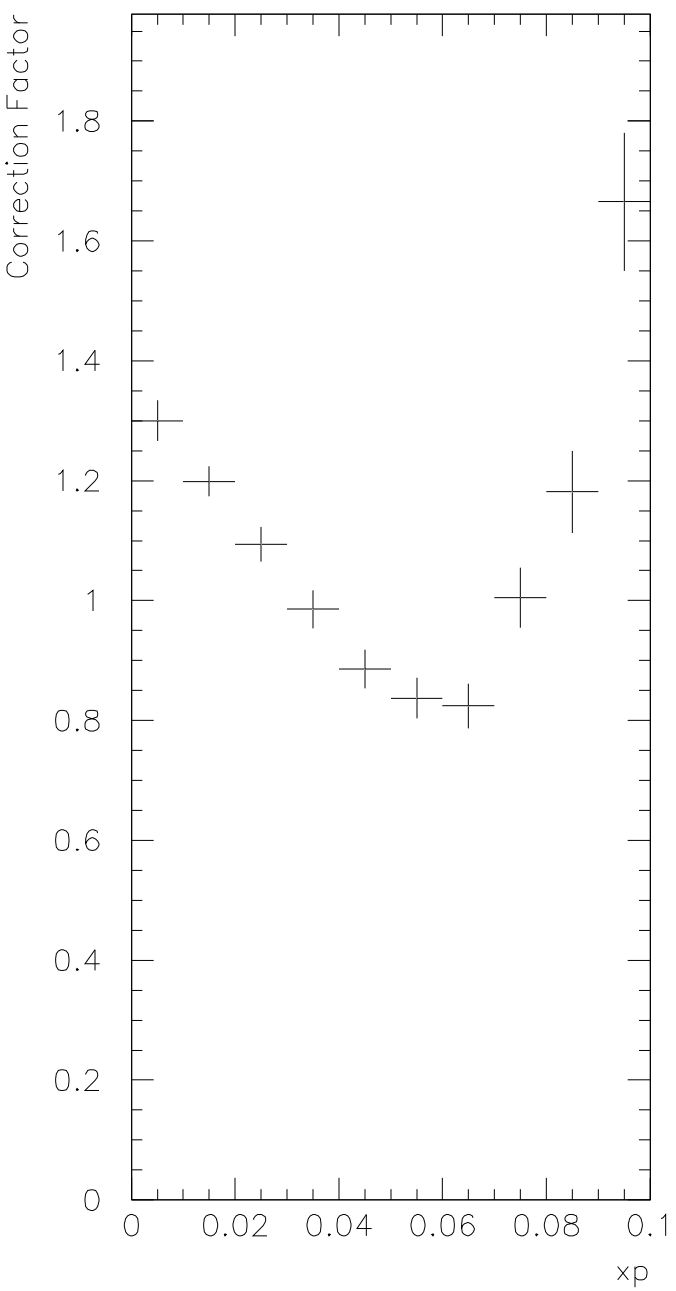




2015/02/28 09.45

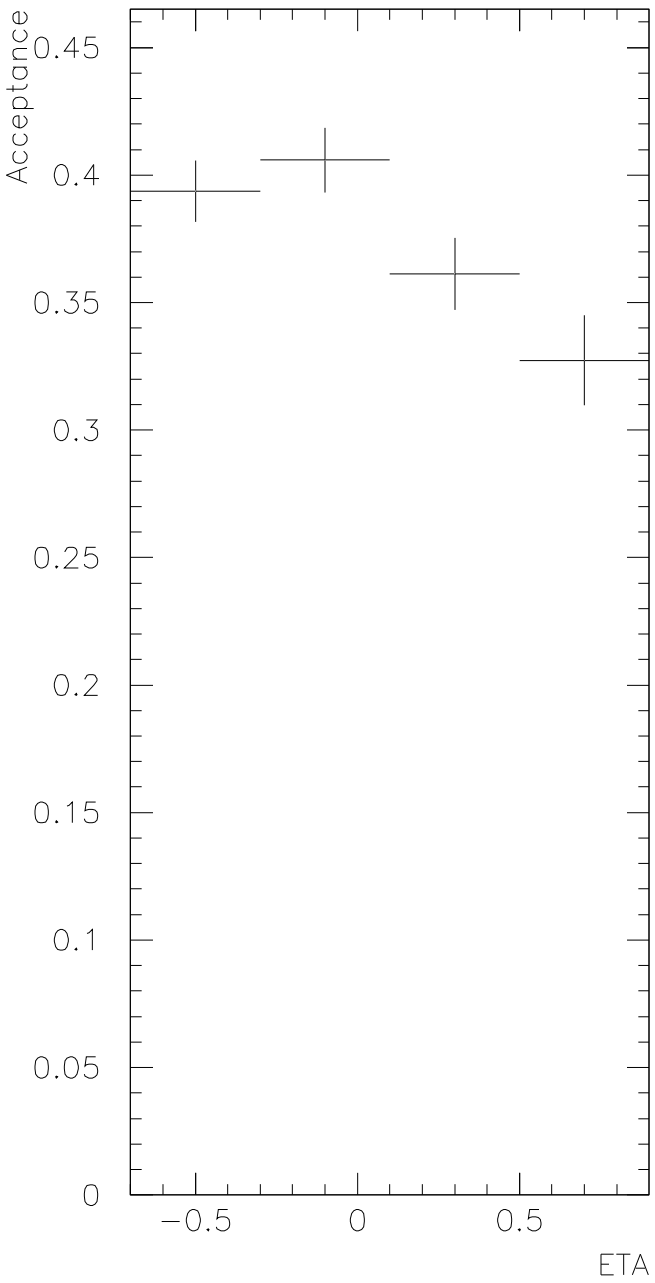
DIRECT corr. factor measured to truth inclusive

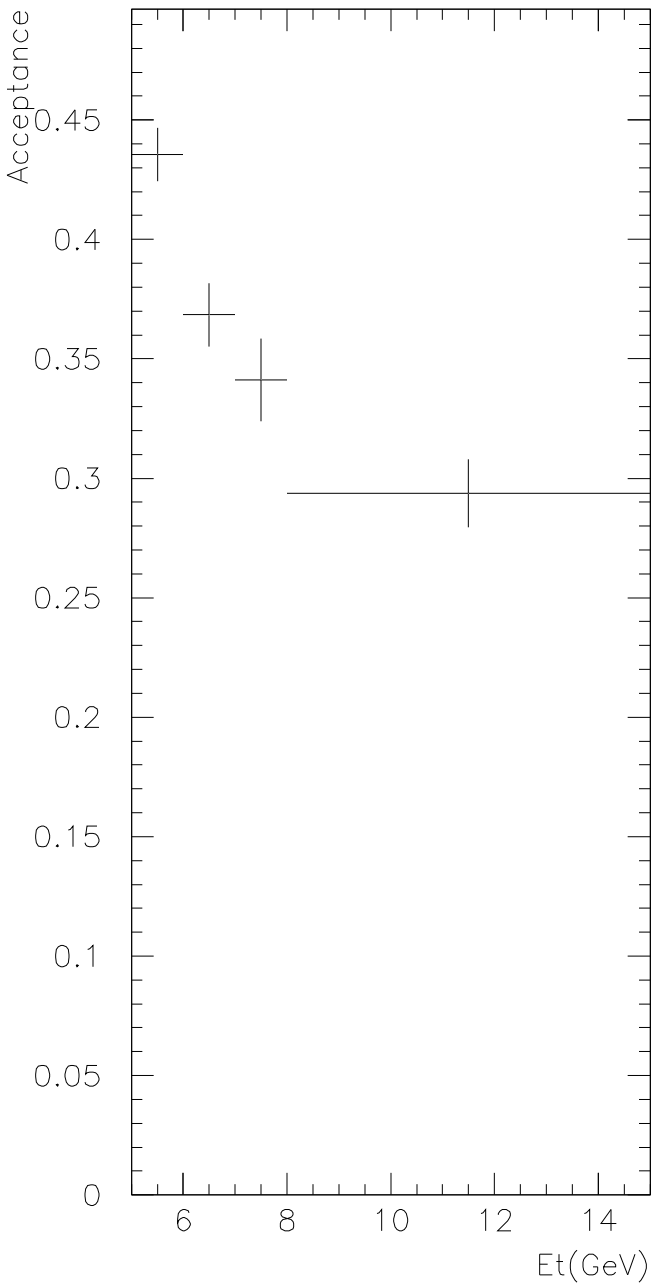




2015/02/28 09.45

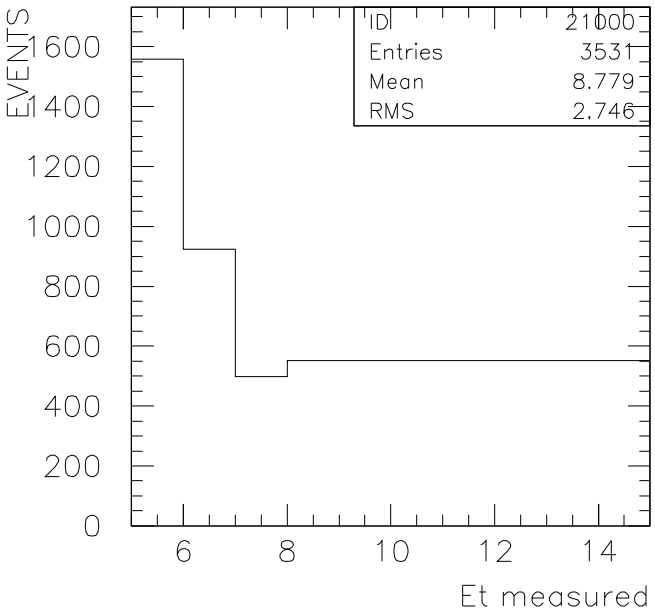
DIRECT Acceptance (measured divided by truth) inclusive

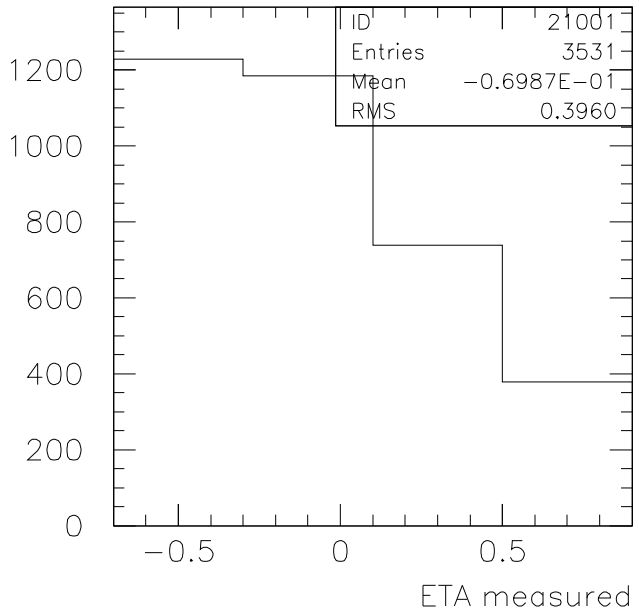


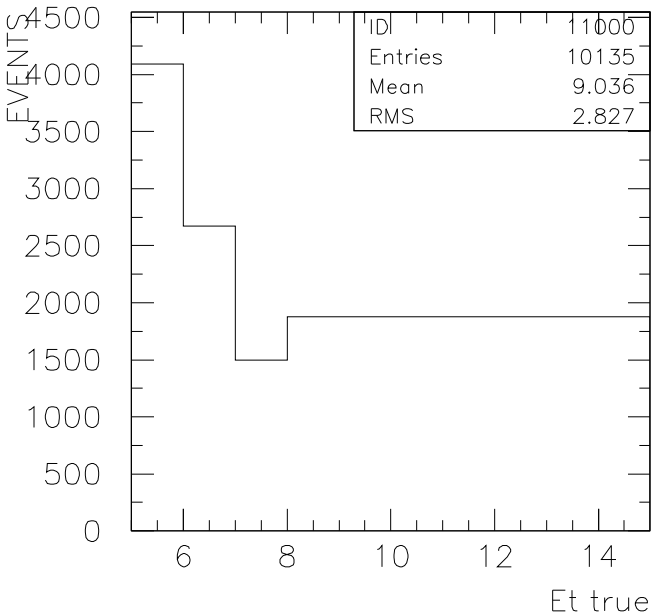


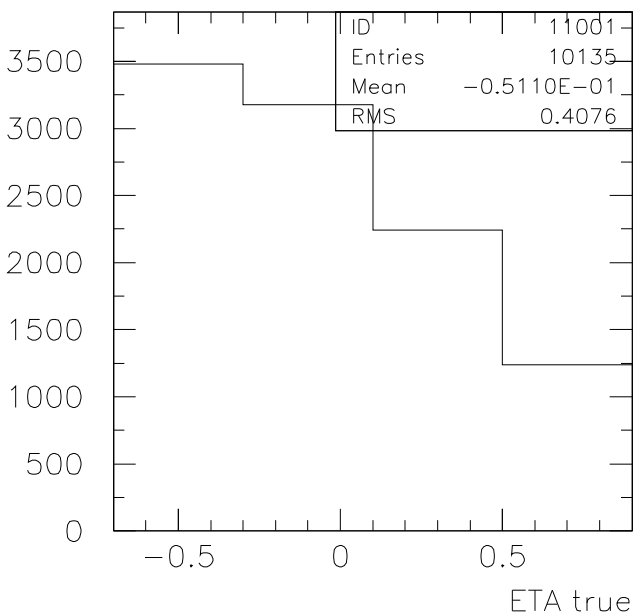
2015/02/28 09.45

Photon + jet



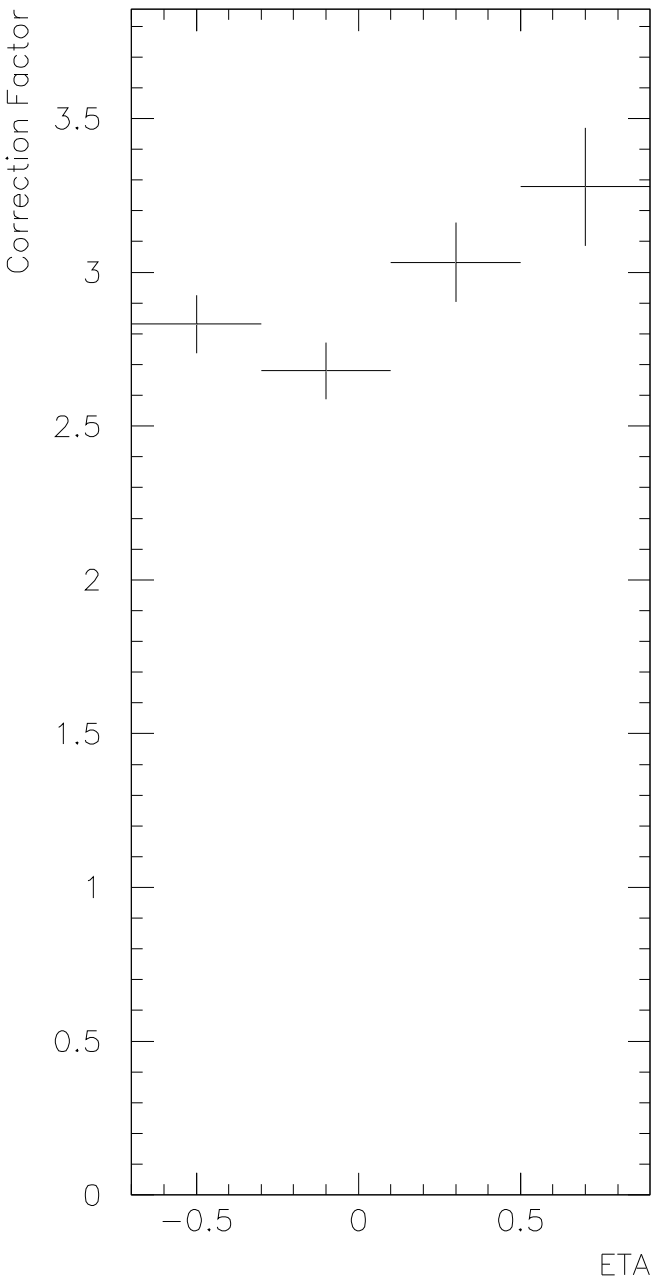


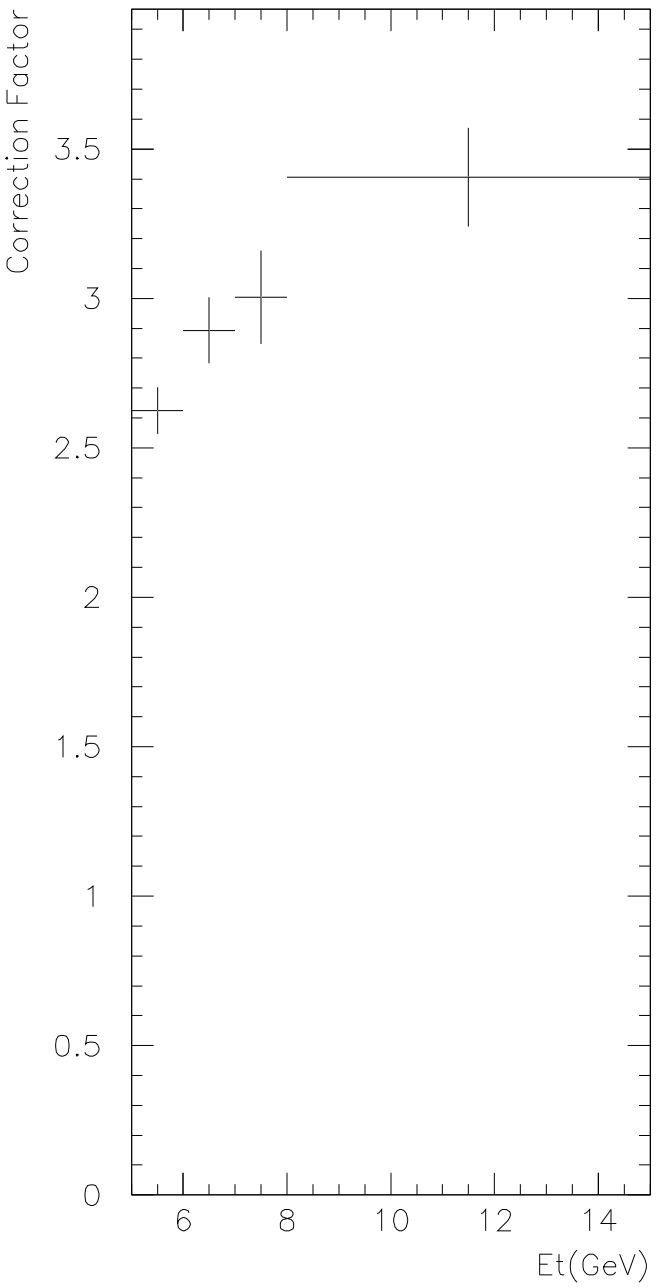




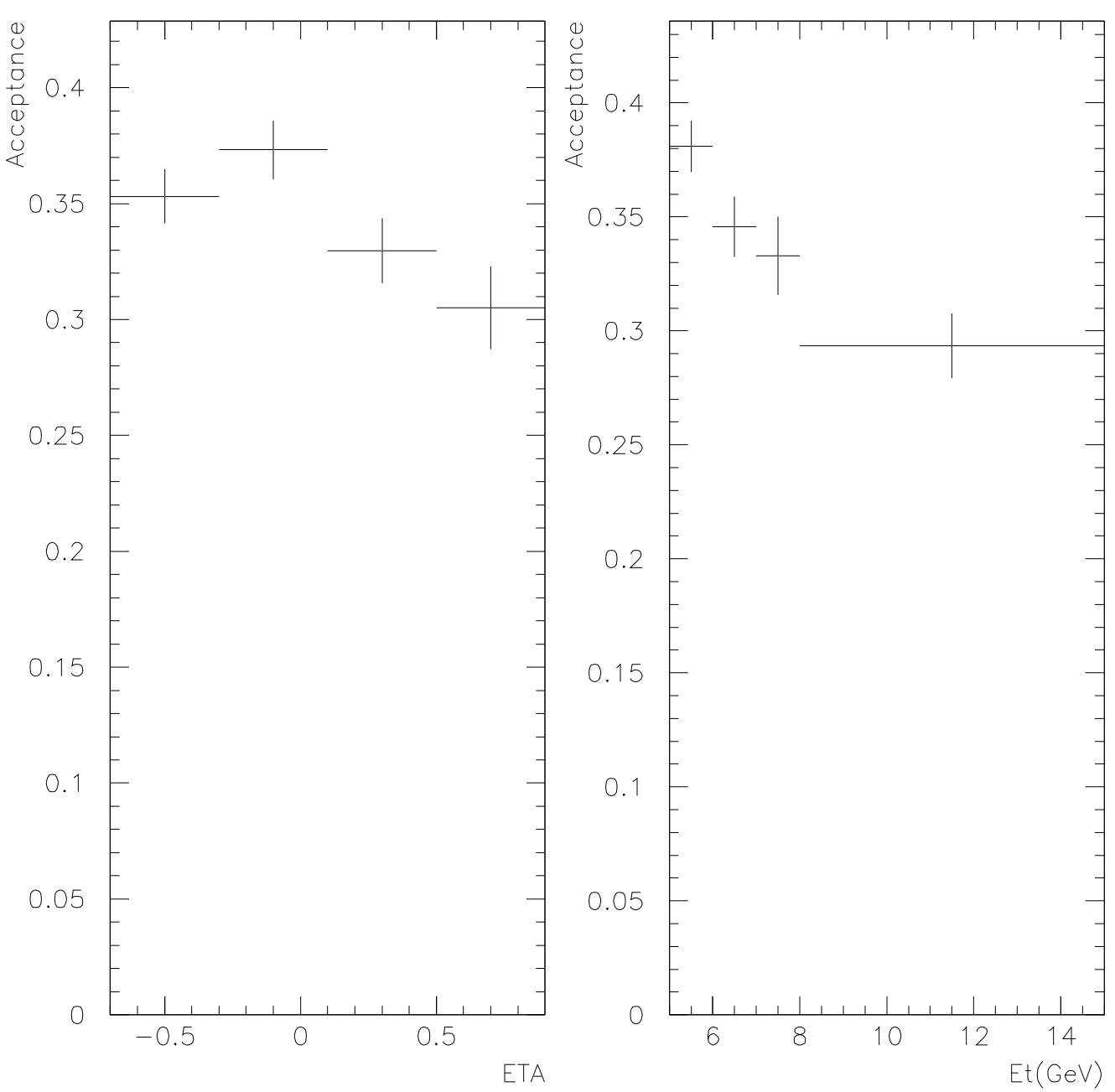
2015/02/28 09.45

corr. factor measured to truth Photon + jet



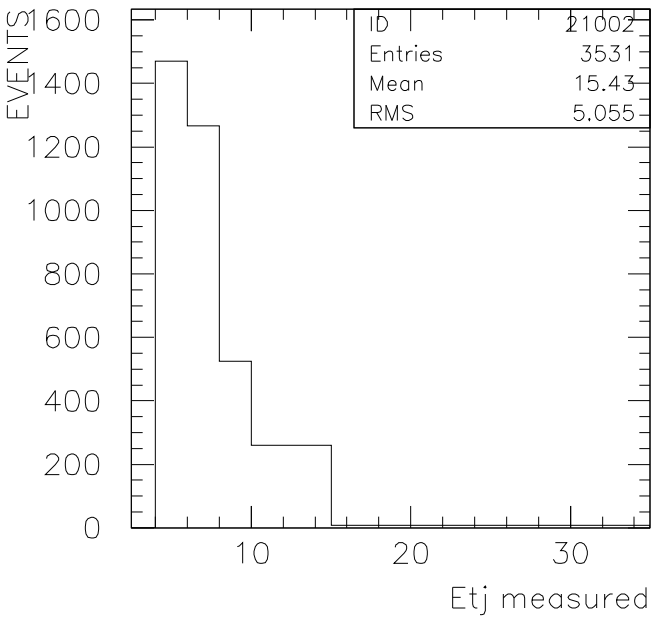


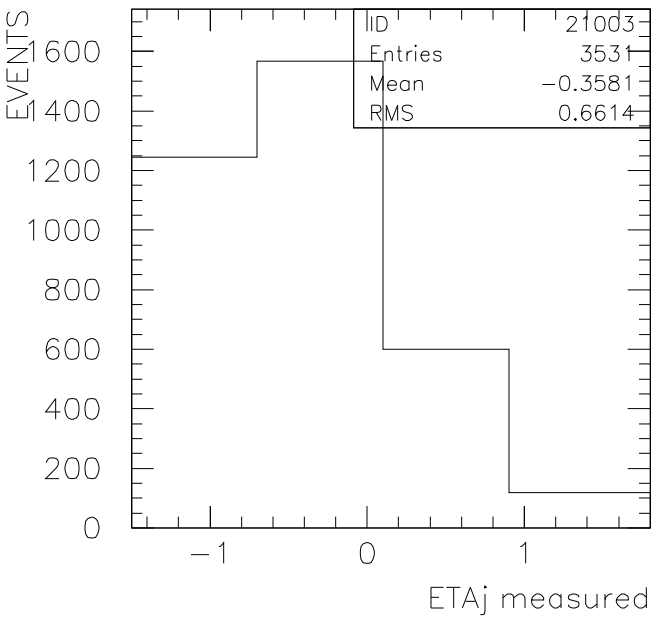
2015/02/28 09.45

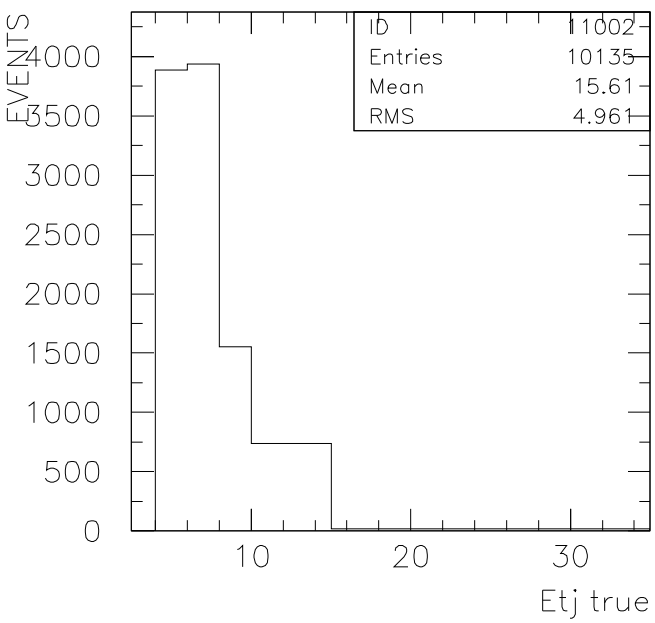


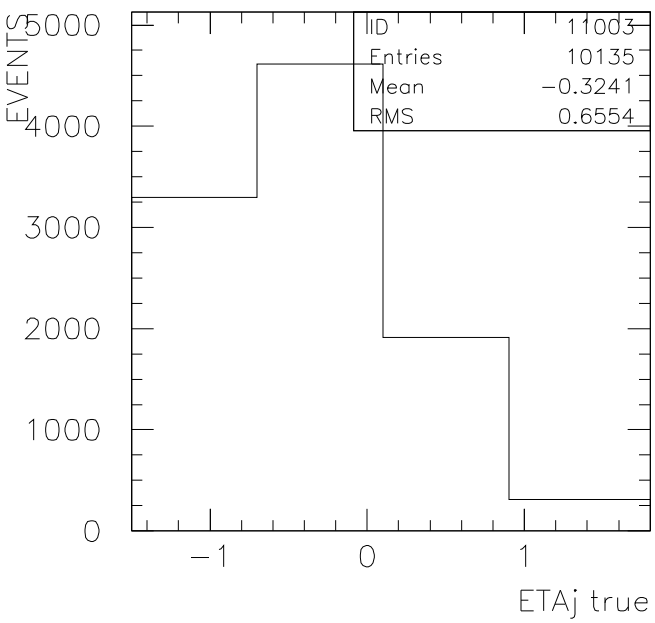
2015/02/28 09.45

Acceptance (measured/true) Photon + jet



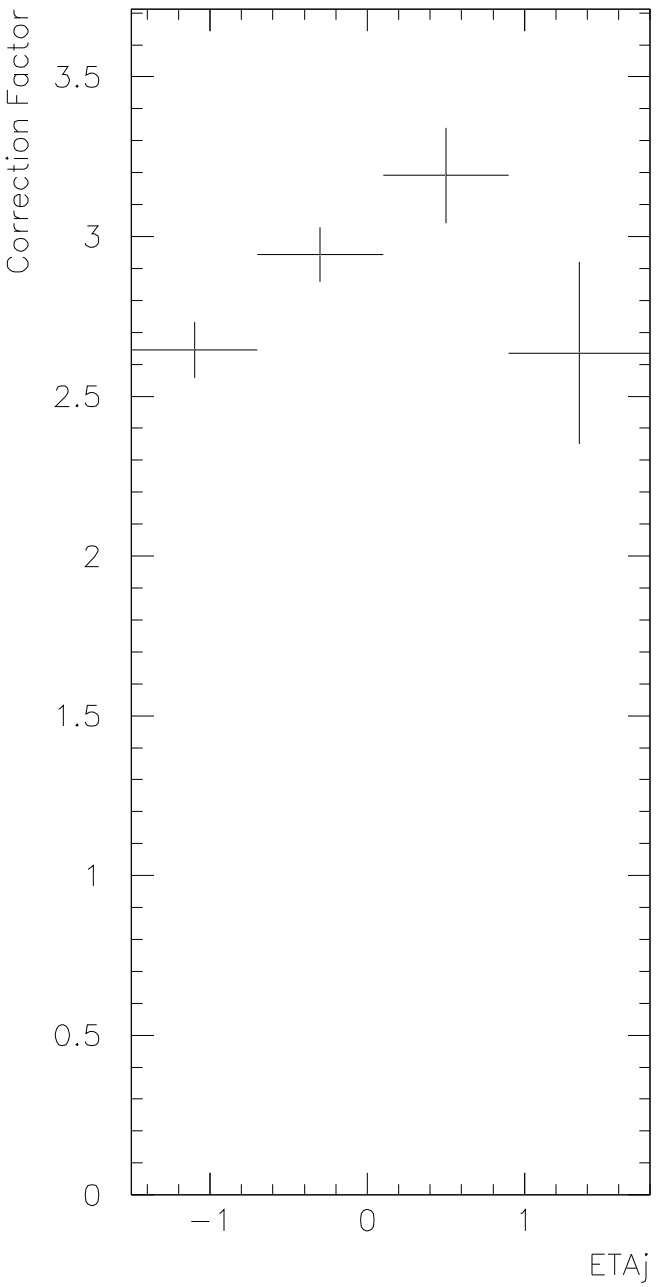


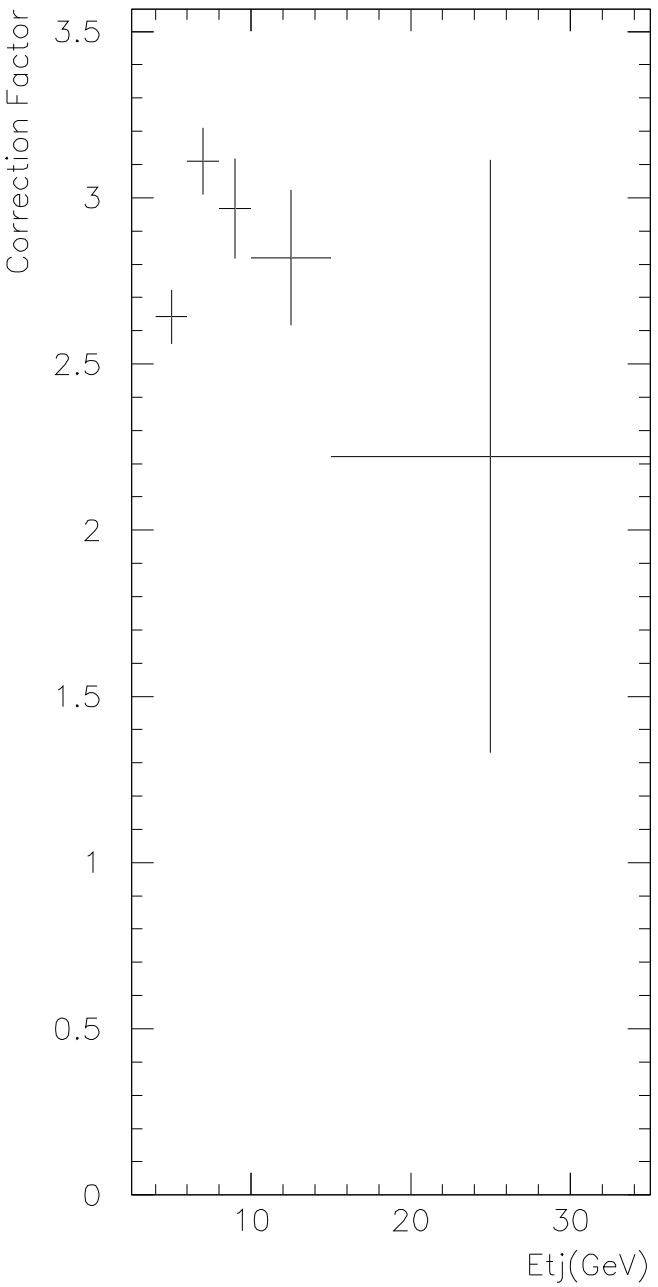


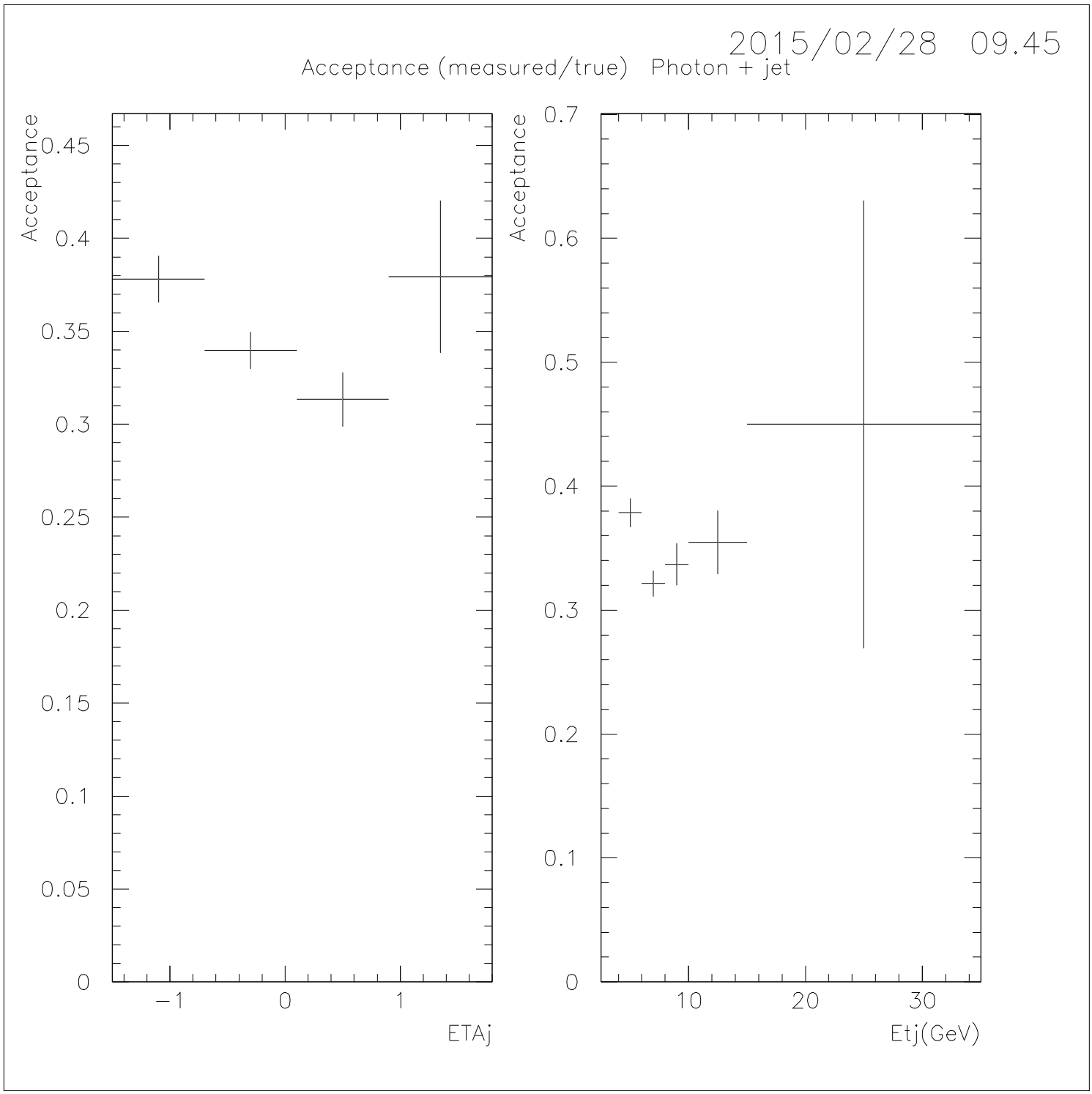


2015/02/28 09.45

corr. factor measured to truth Photon + jet

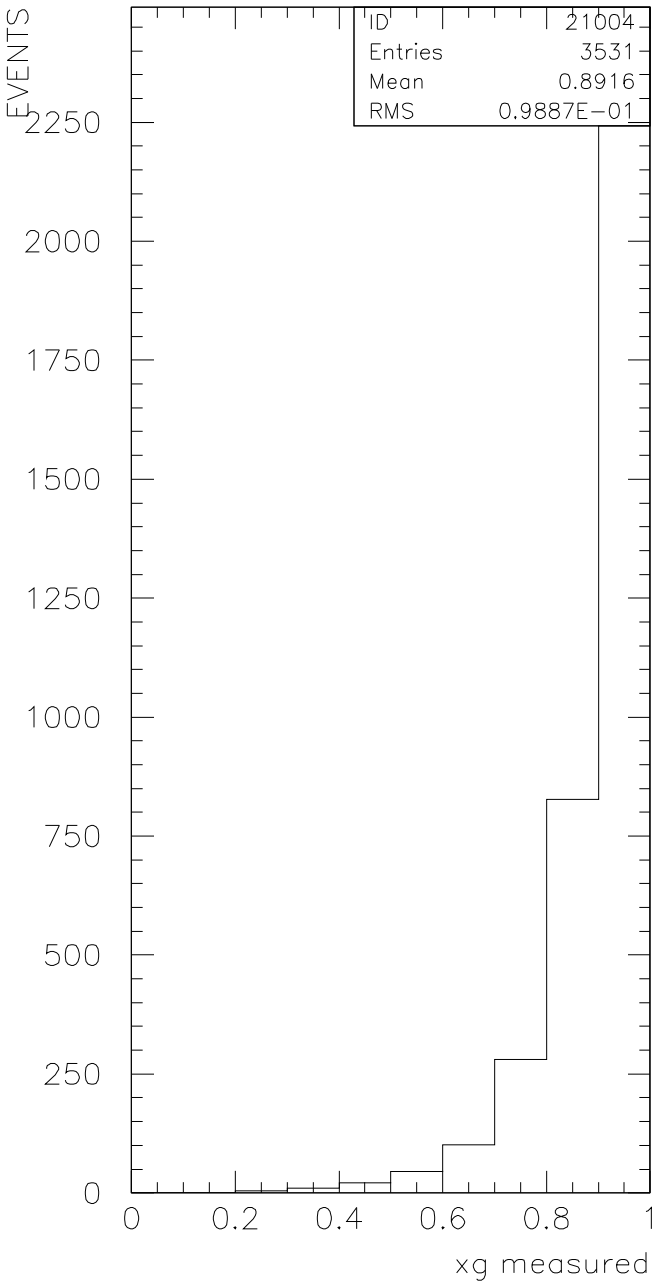


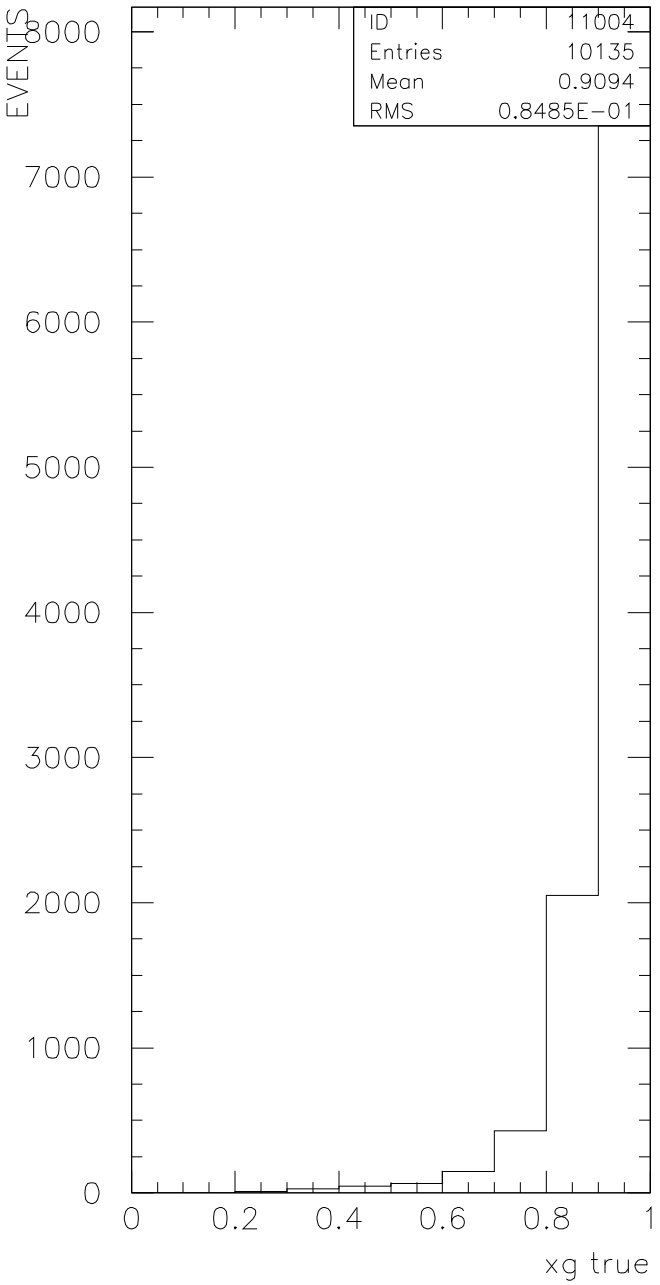


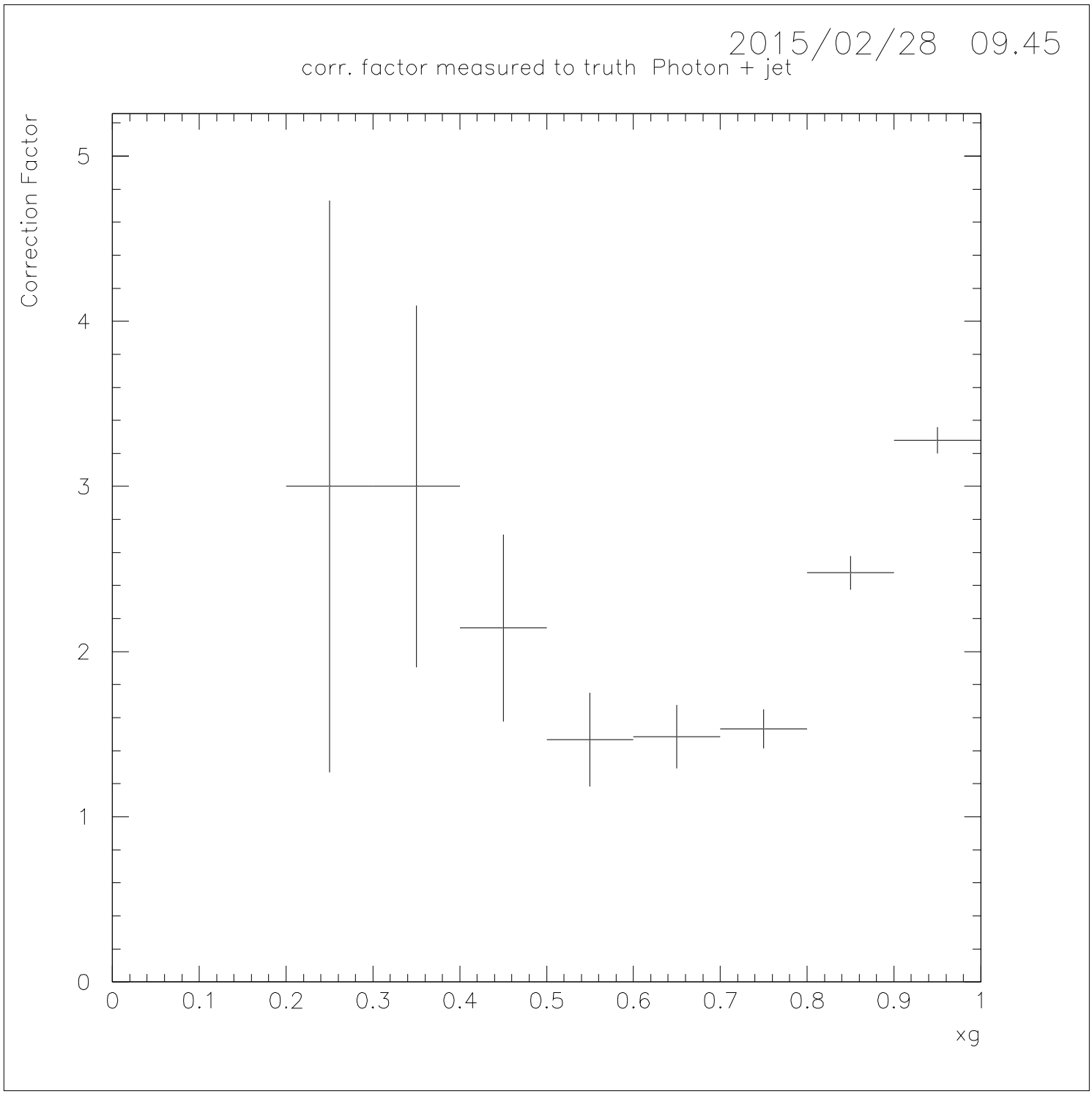

2015/02/28 09.45
Acceptance (measured/true) Photon + jet
Acceptance
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−1
0
1
ETAj
Acceptance
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10
20
30
Etj(GeV)

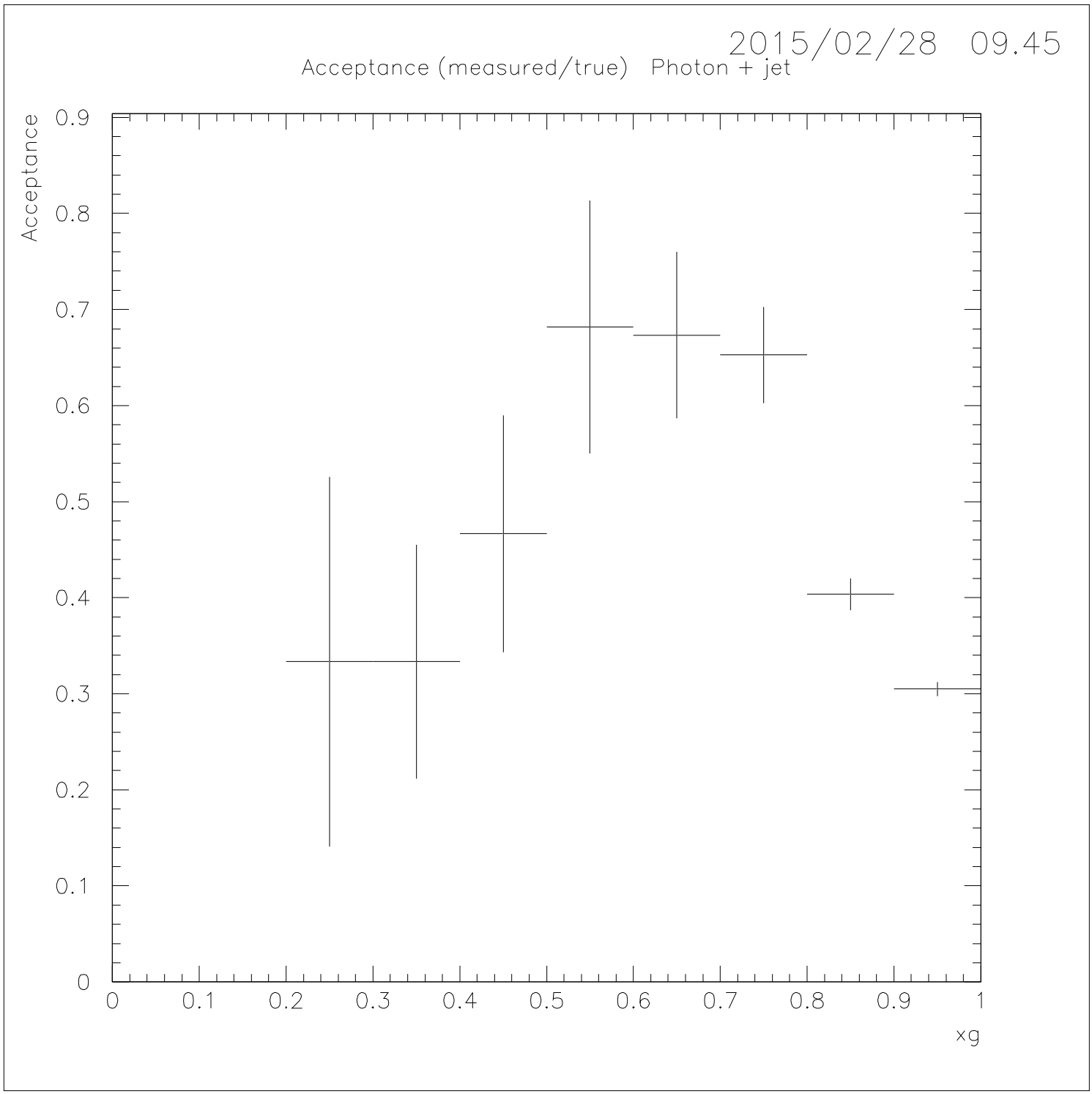
2015/02/28 09.45

Acceptance (measured/true) Photon + jet



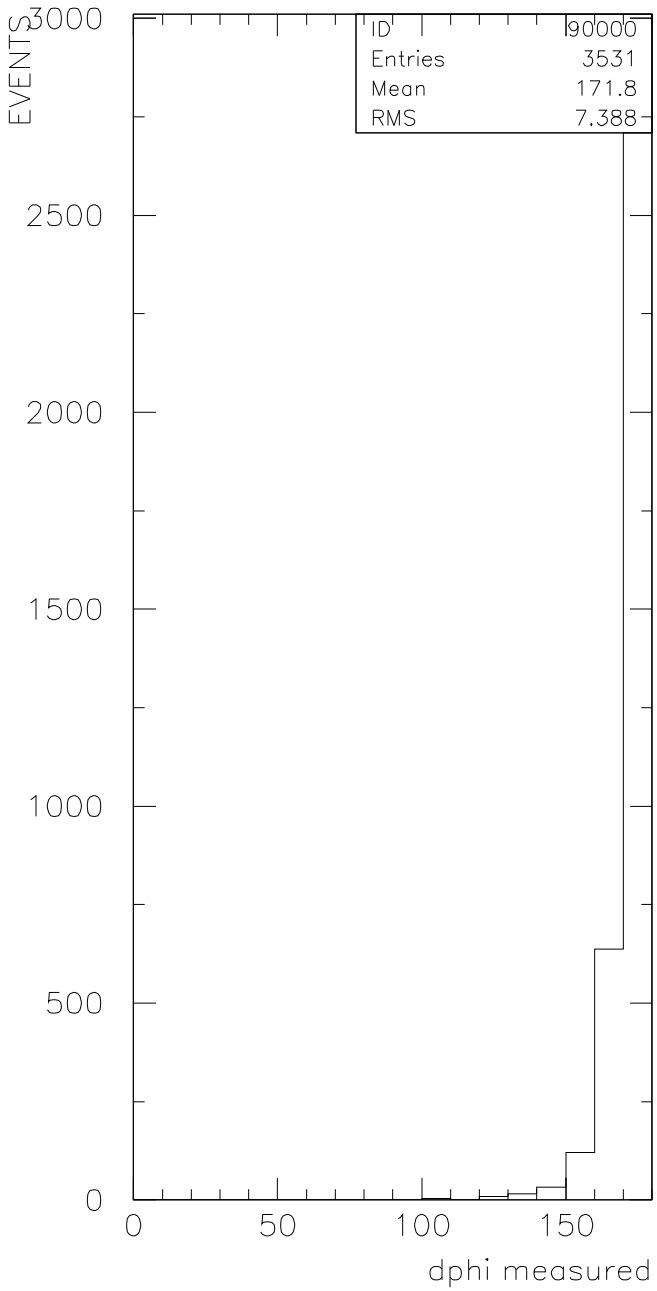


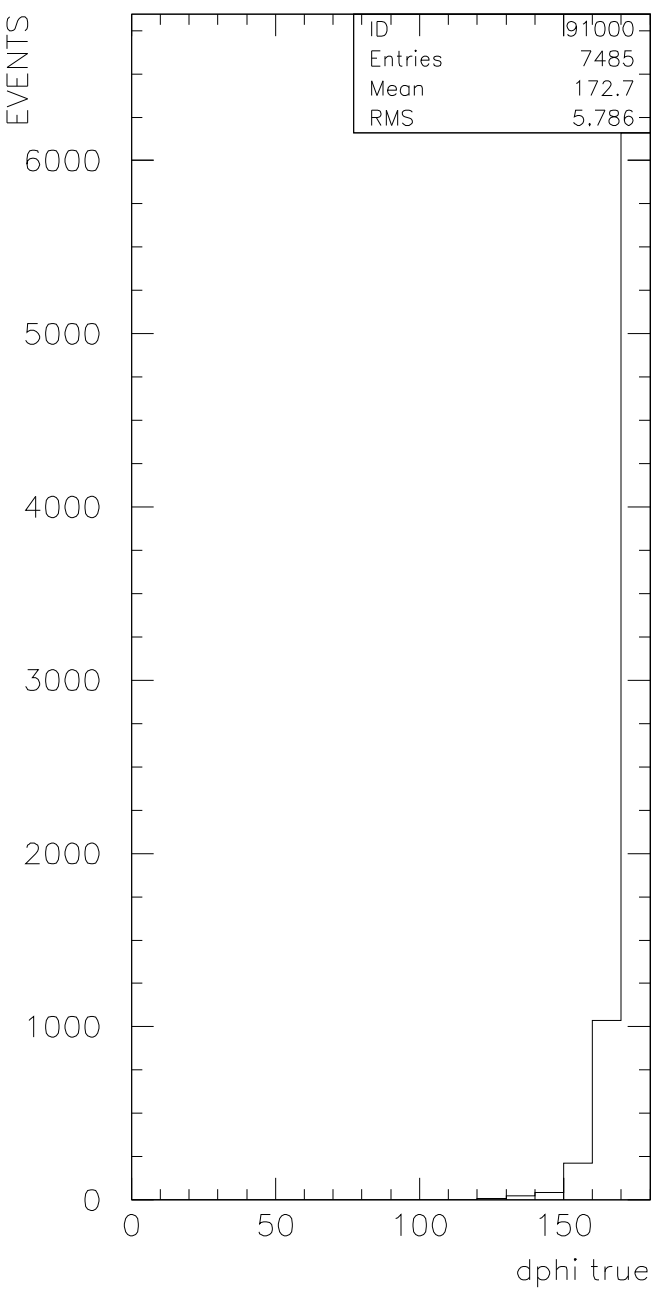

2015/02/28 09.45
corr. factor measured to truth Photon + jet
Correction Factor
0
1
2
3
4
5
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
xg

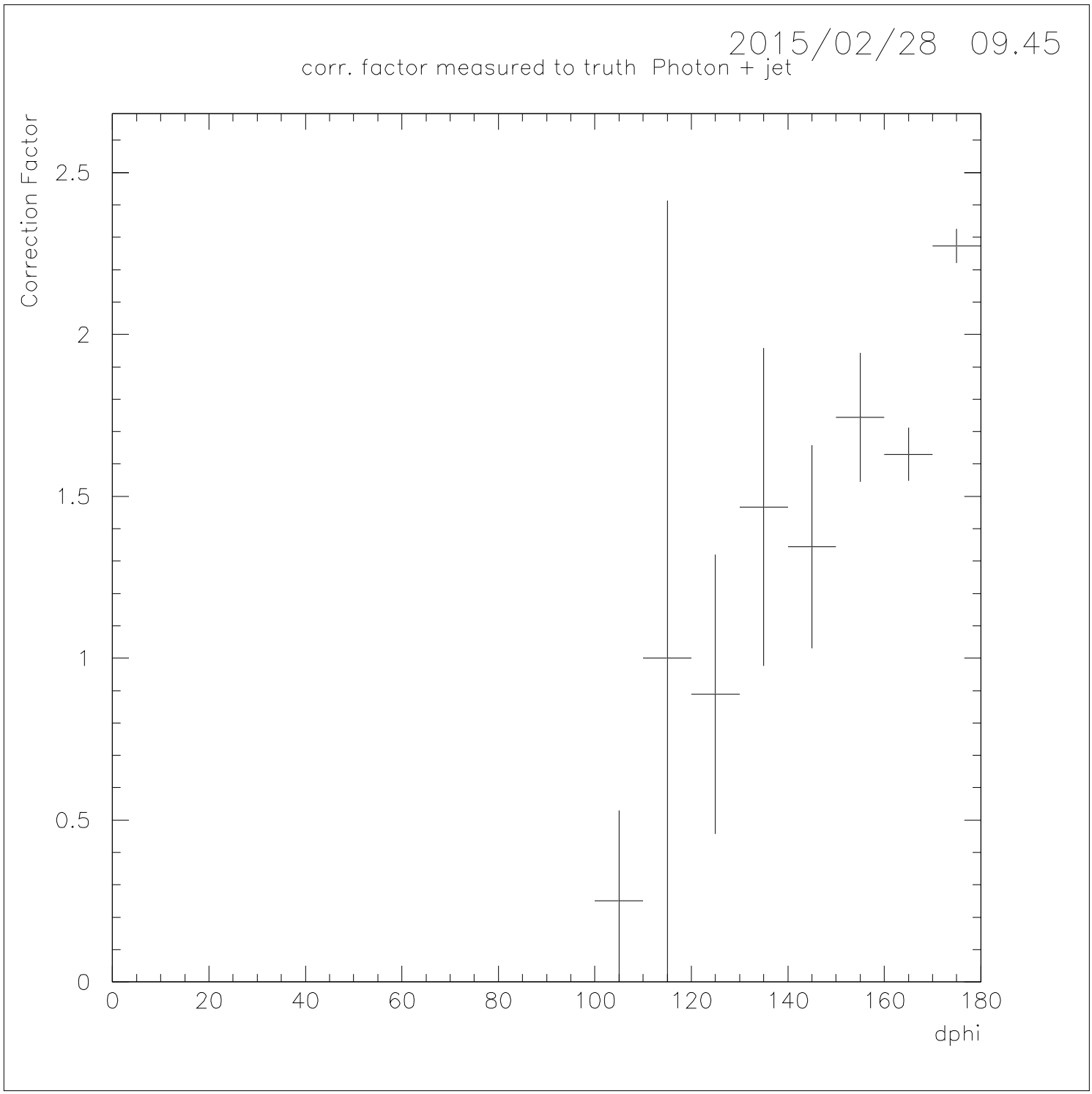

2015/02/28 09.45
Acceptance (measured/true) Photon + jet
Acceptance
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
xg

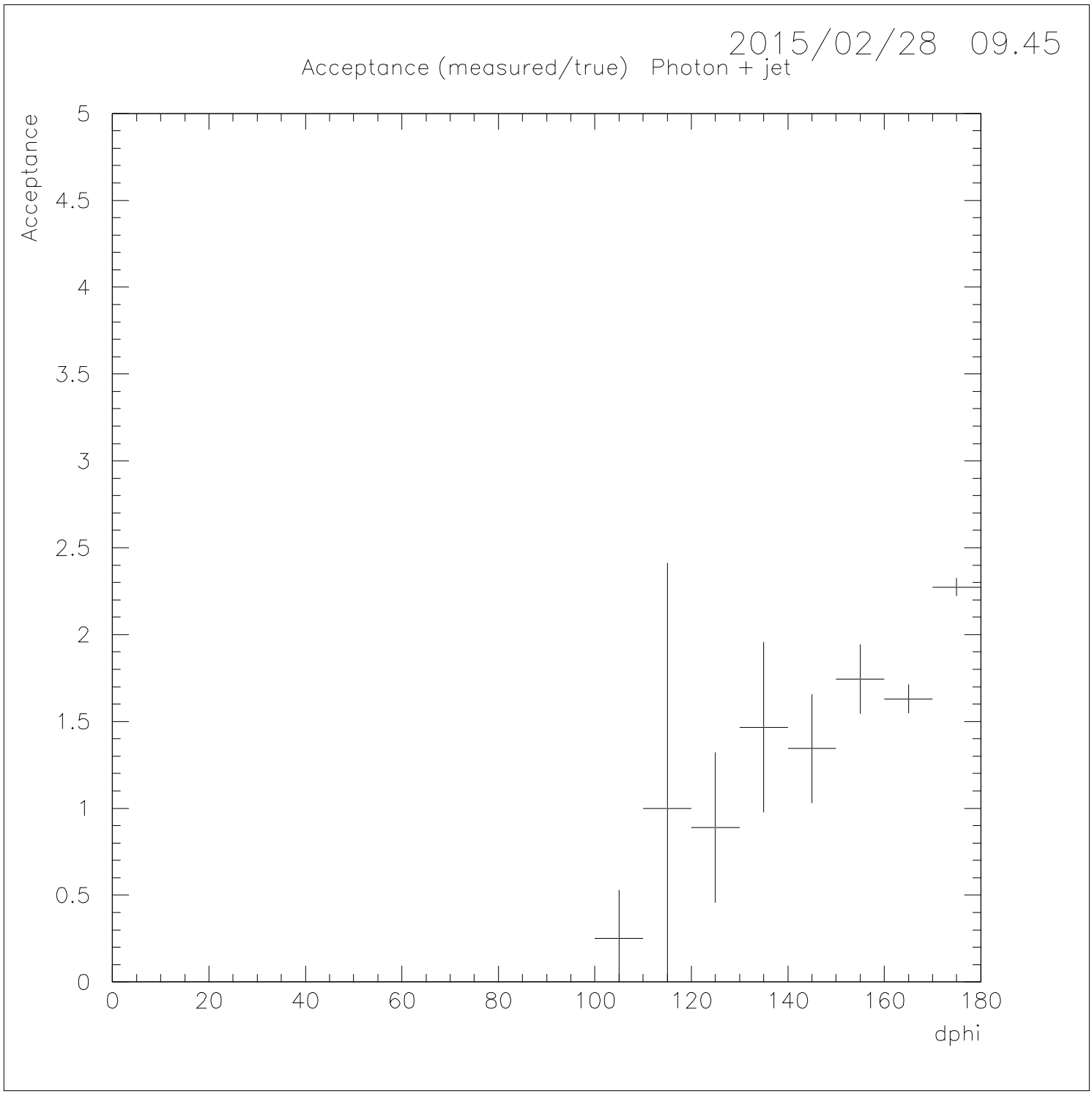
2015/02/28 09.45

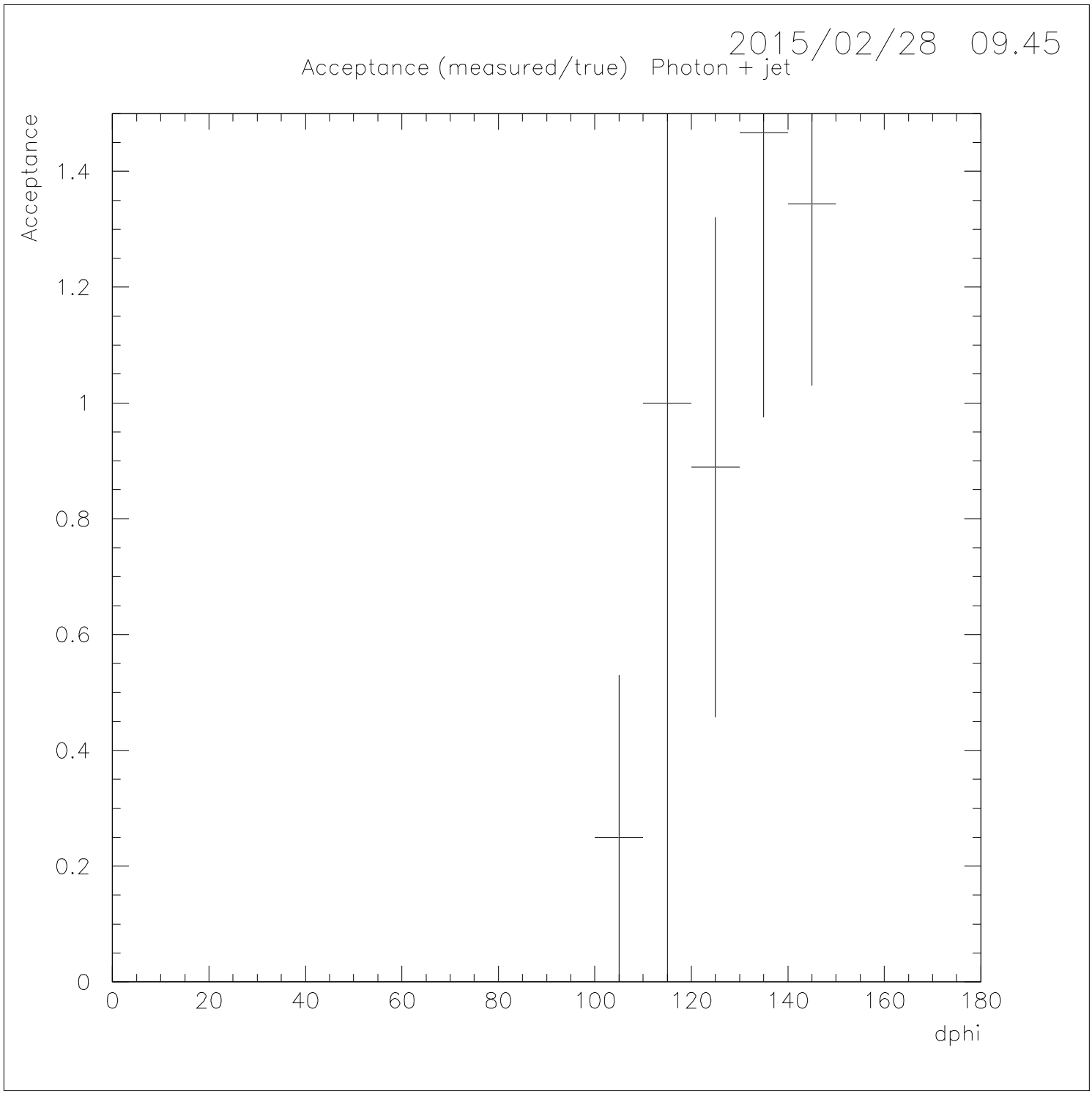
Acceptance (measured/true) Photon + jet





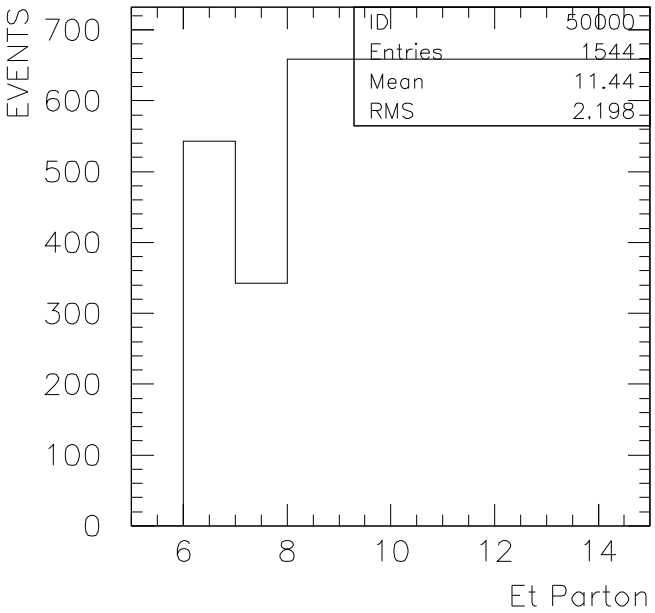

2015/02/28 09.45
corr. factor measured to truth Photon + jet
Correction Factor
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

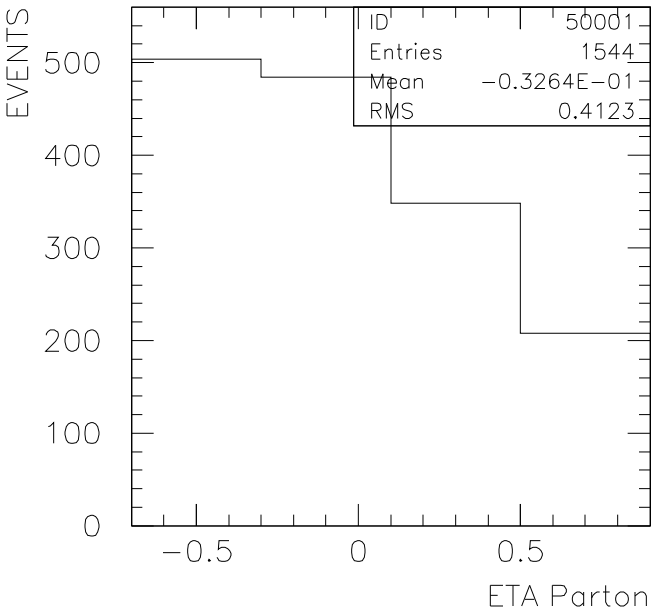

2015/02/28 09.45
Acceptance (measured/true) Photon + jet
Acceptance
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120
140
160
180
dphi

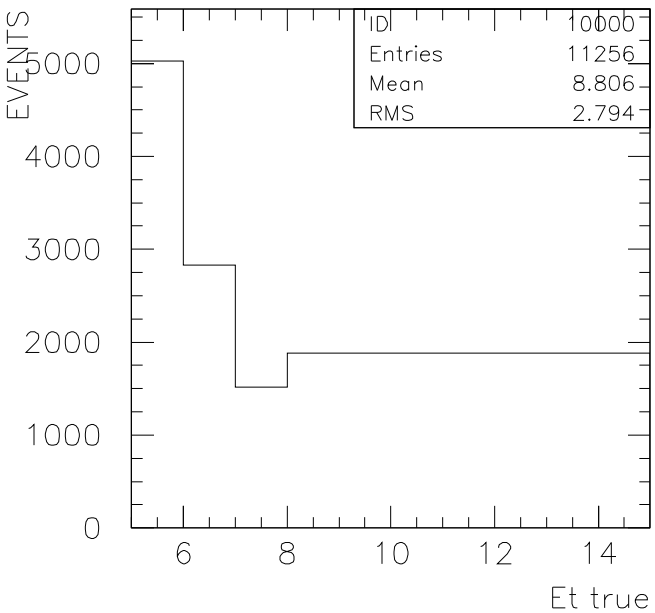

2015/02/28 09.45
Acceptance (measured/true) Photon + jet
Acceptance
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
120
140
160
180
dphi

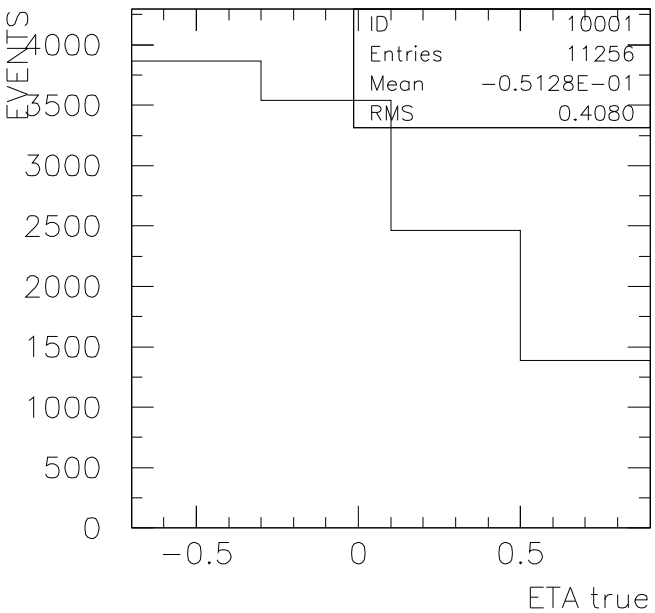
2015/02/28 09.45

inclusive Parton−True



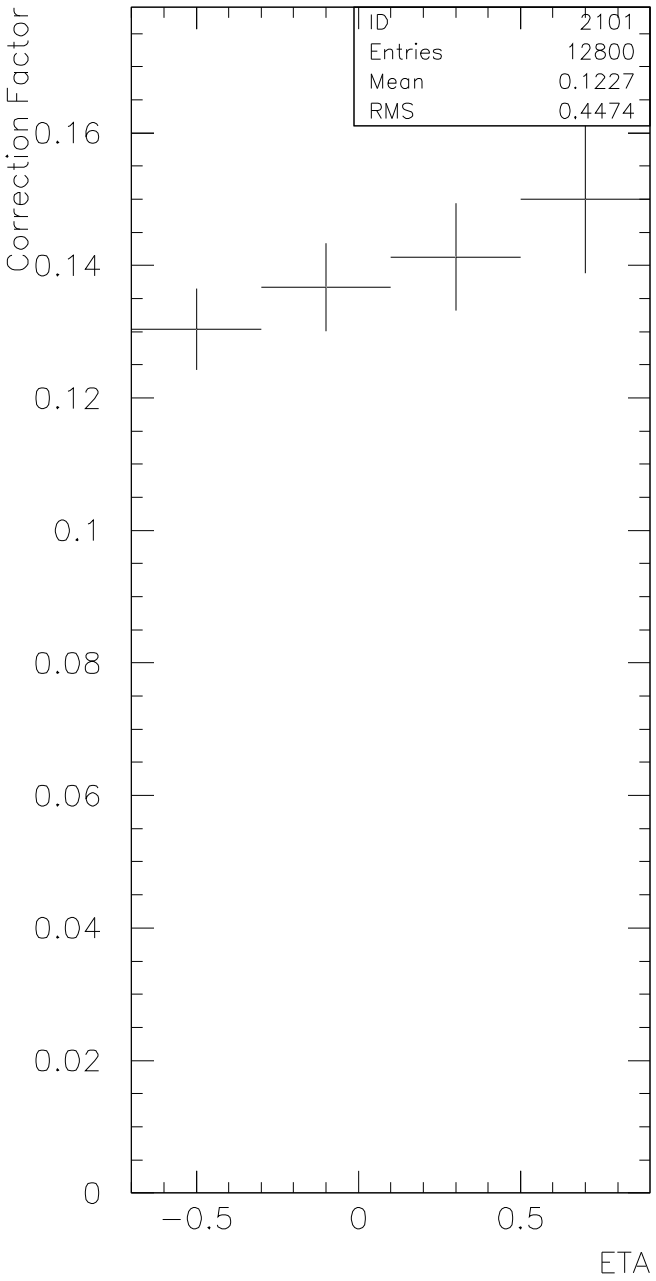


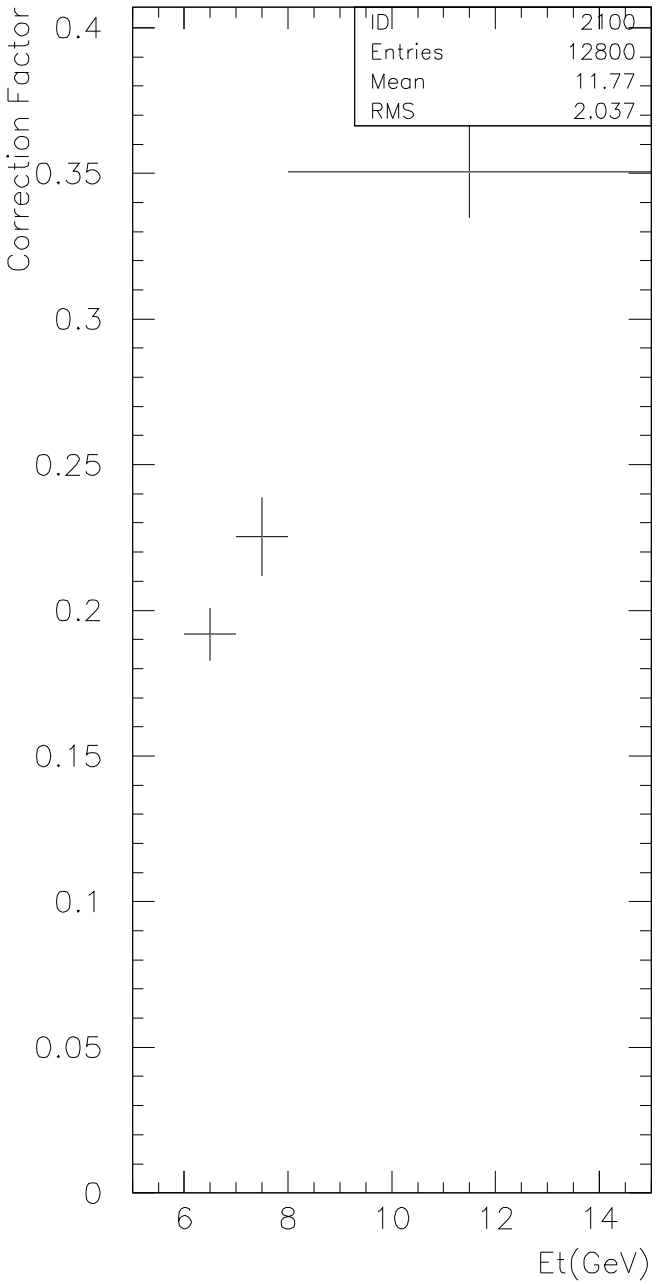




2015/02/28 09.45

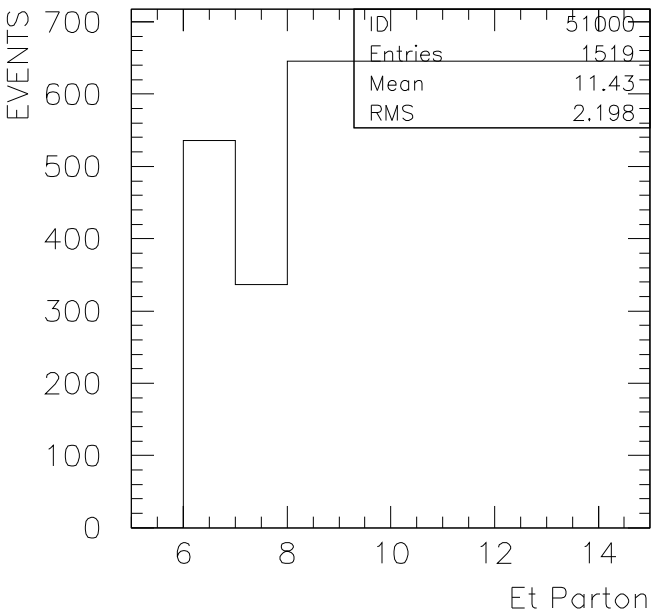
corr. factor truth to parton inclusive

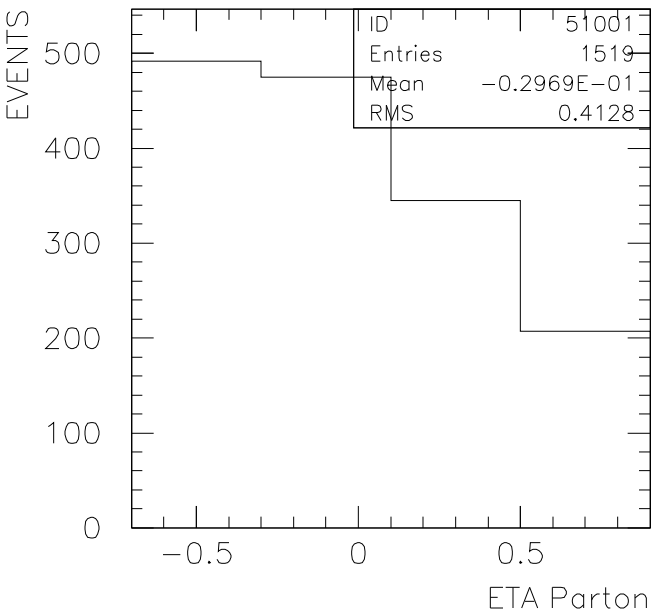


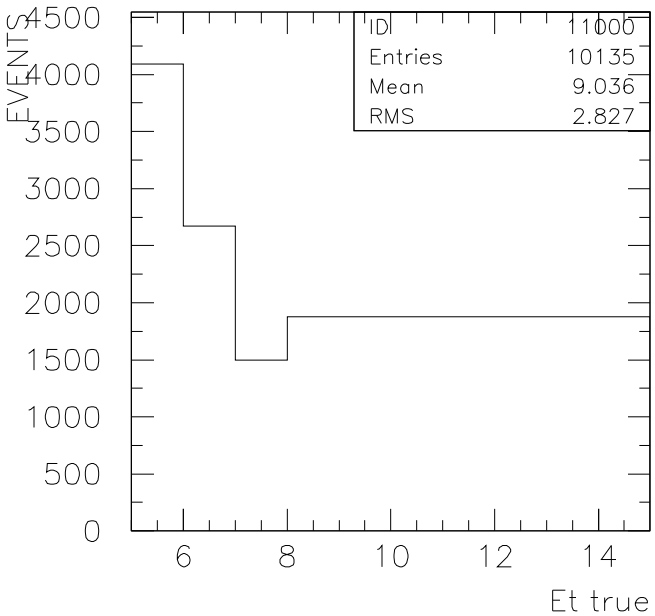


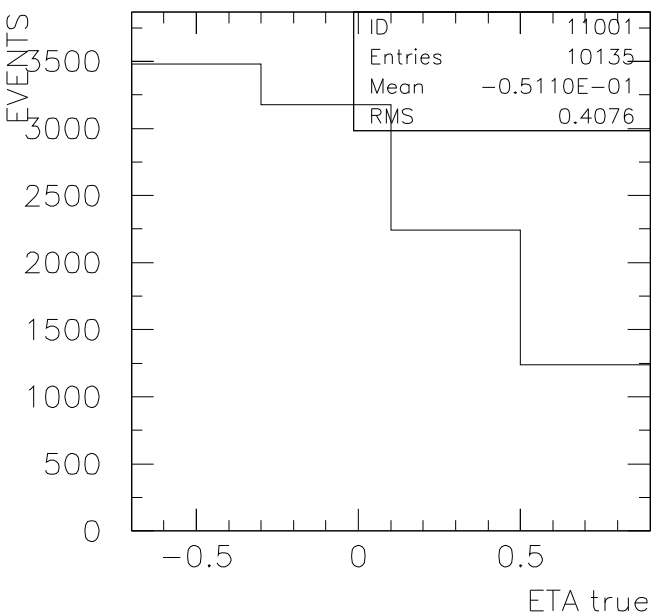
2015/02/28 09.45

Photon + Jet, Parton−True



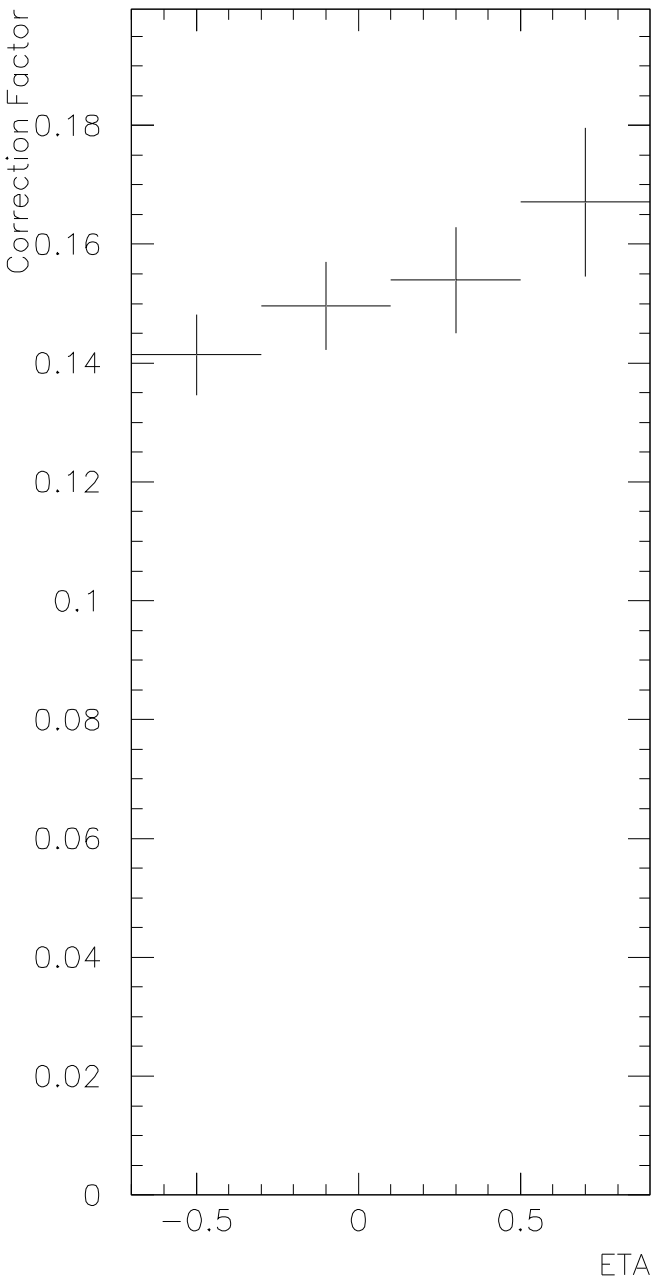


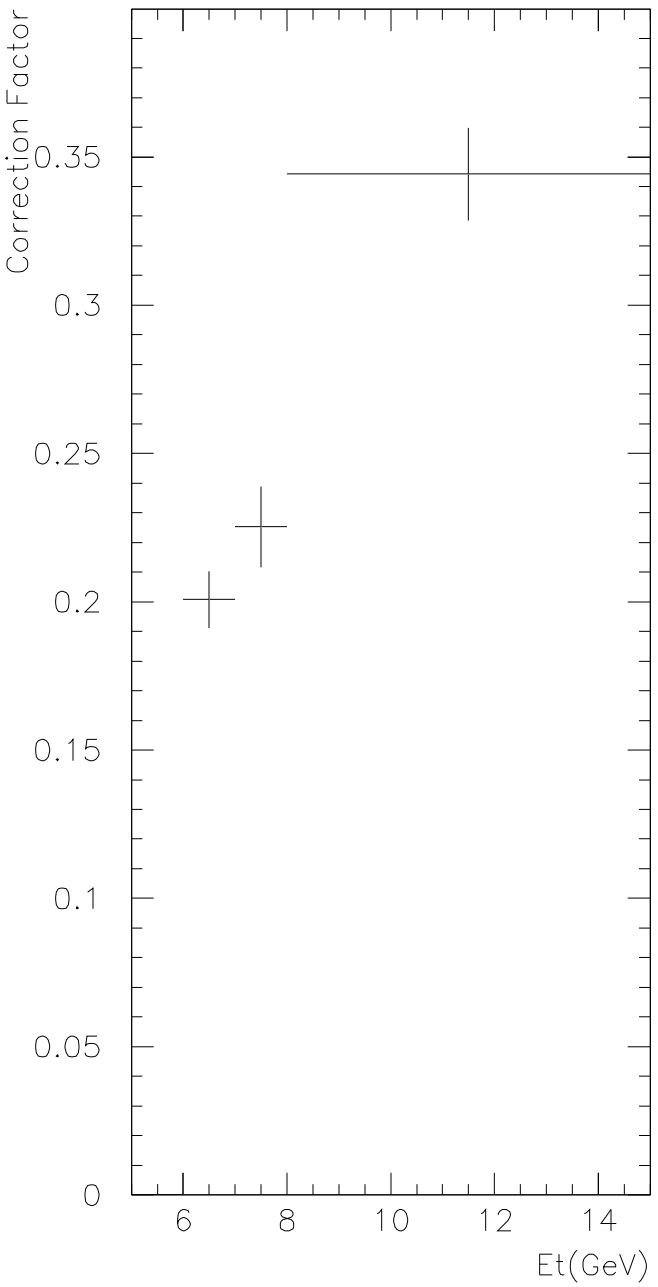




2015/02/28 09.45

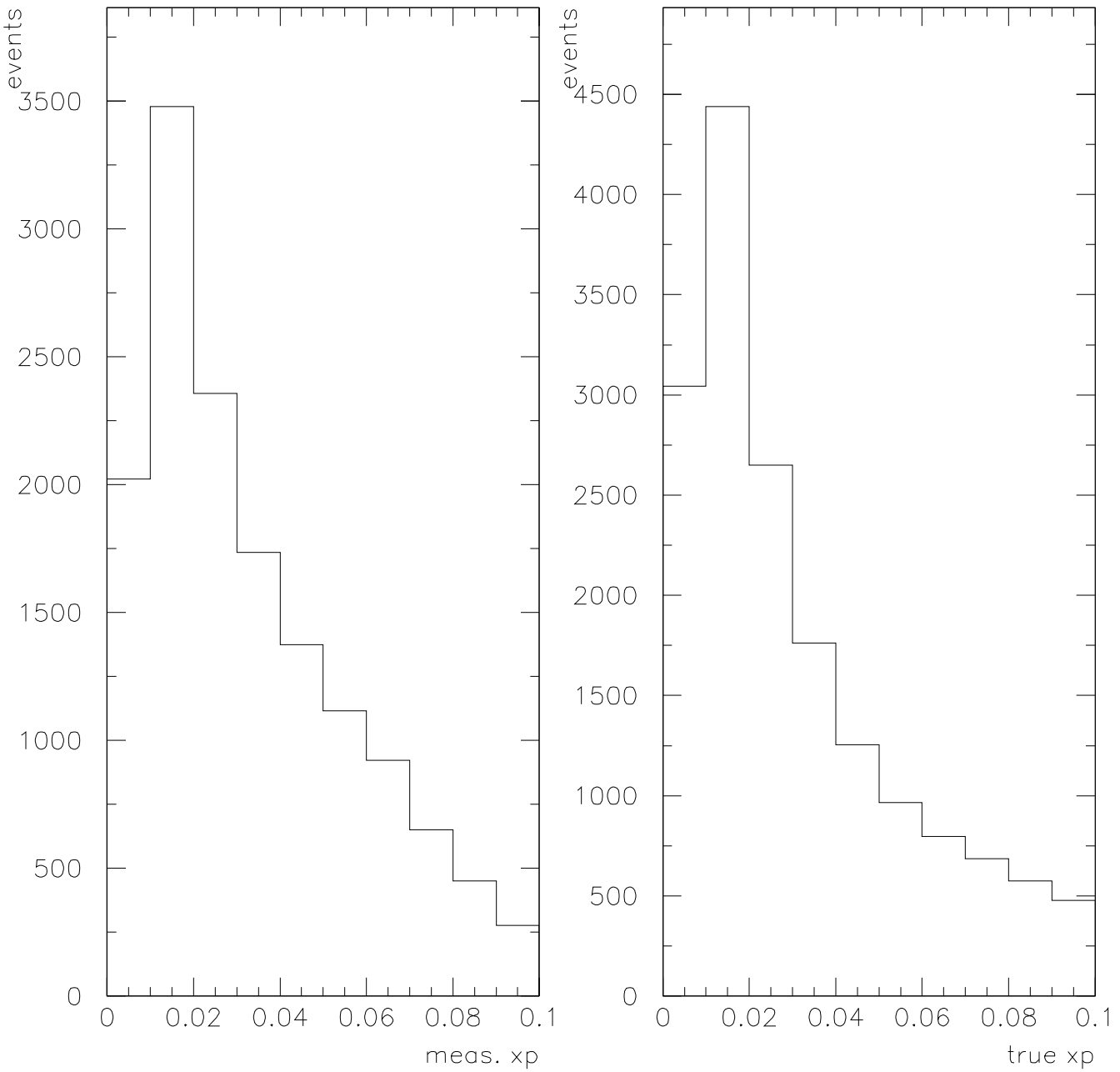
corr. factor truth to parton Photon + Jet

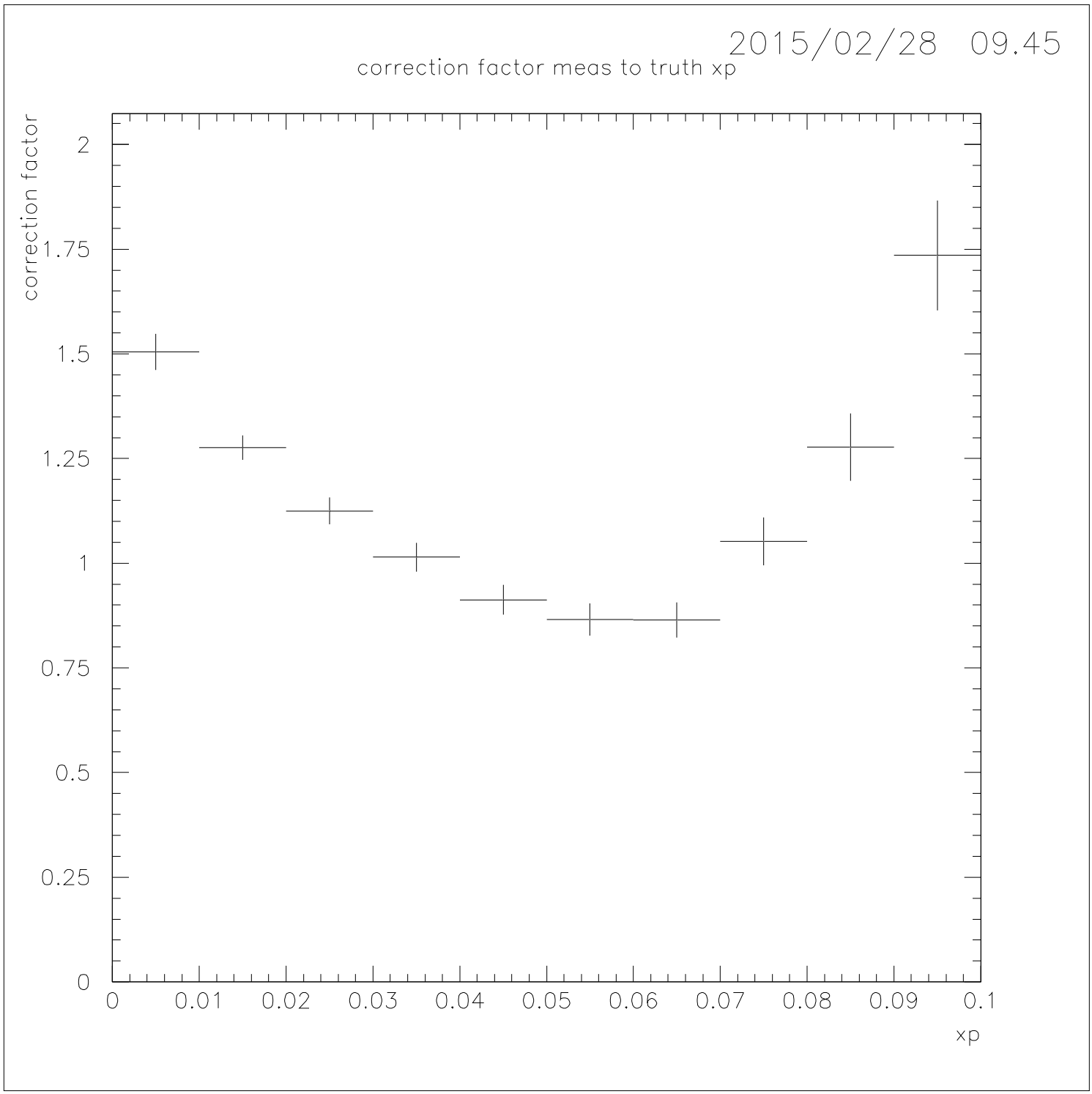


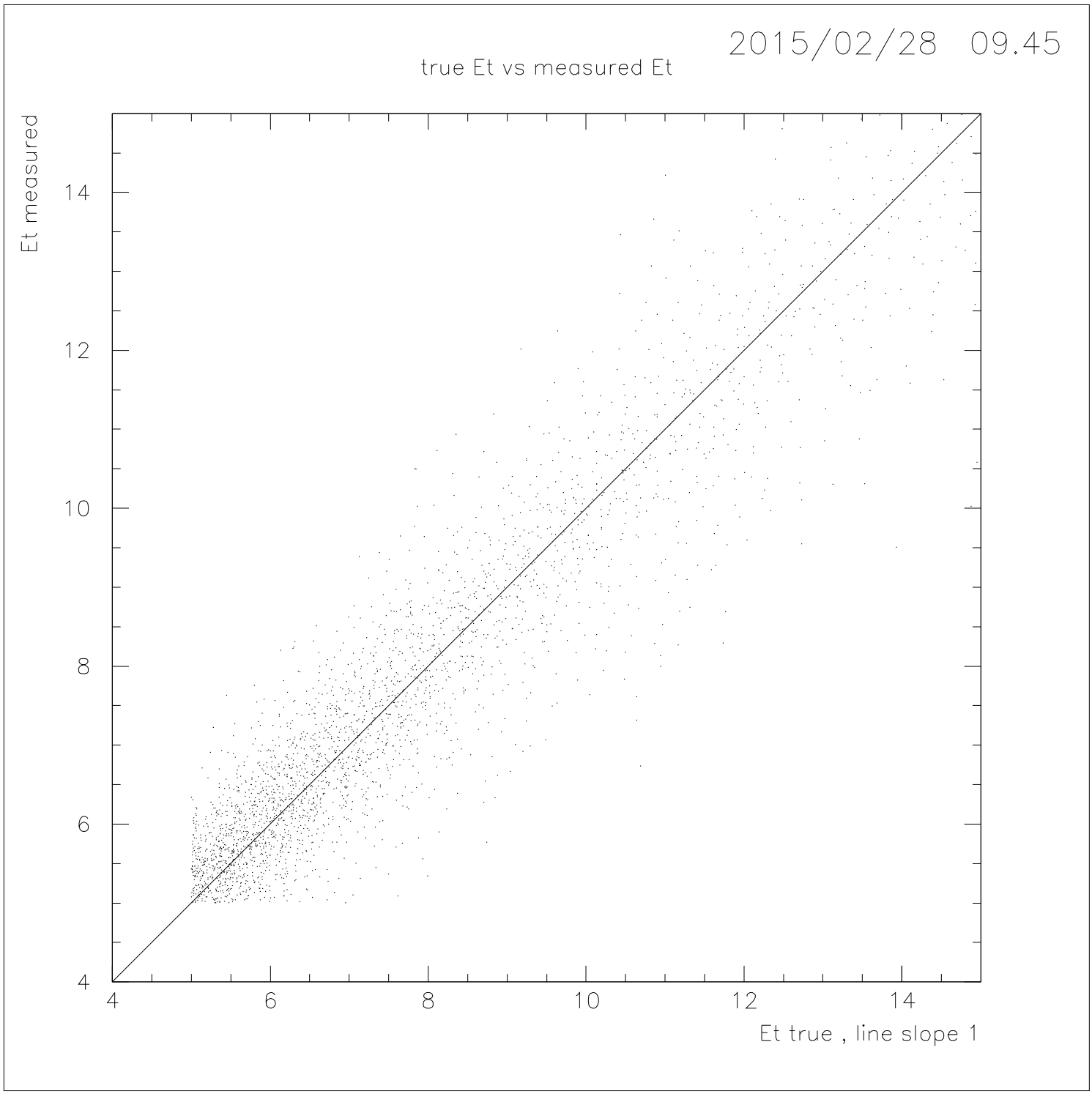


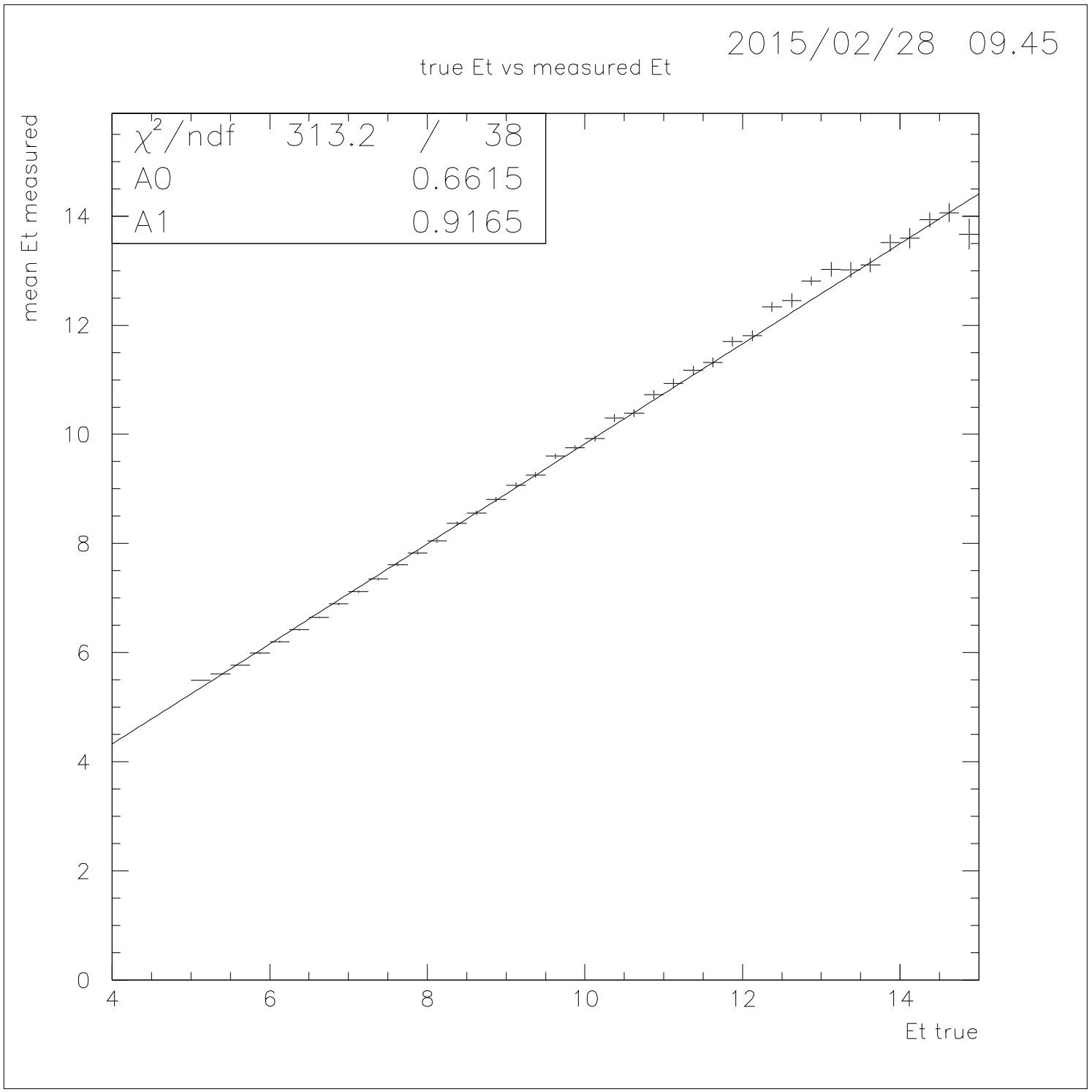
2015/02/28 09.45

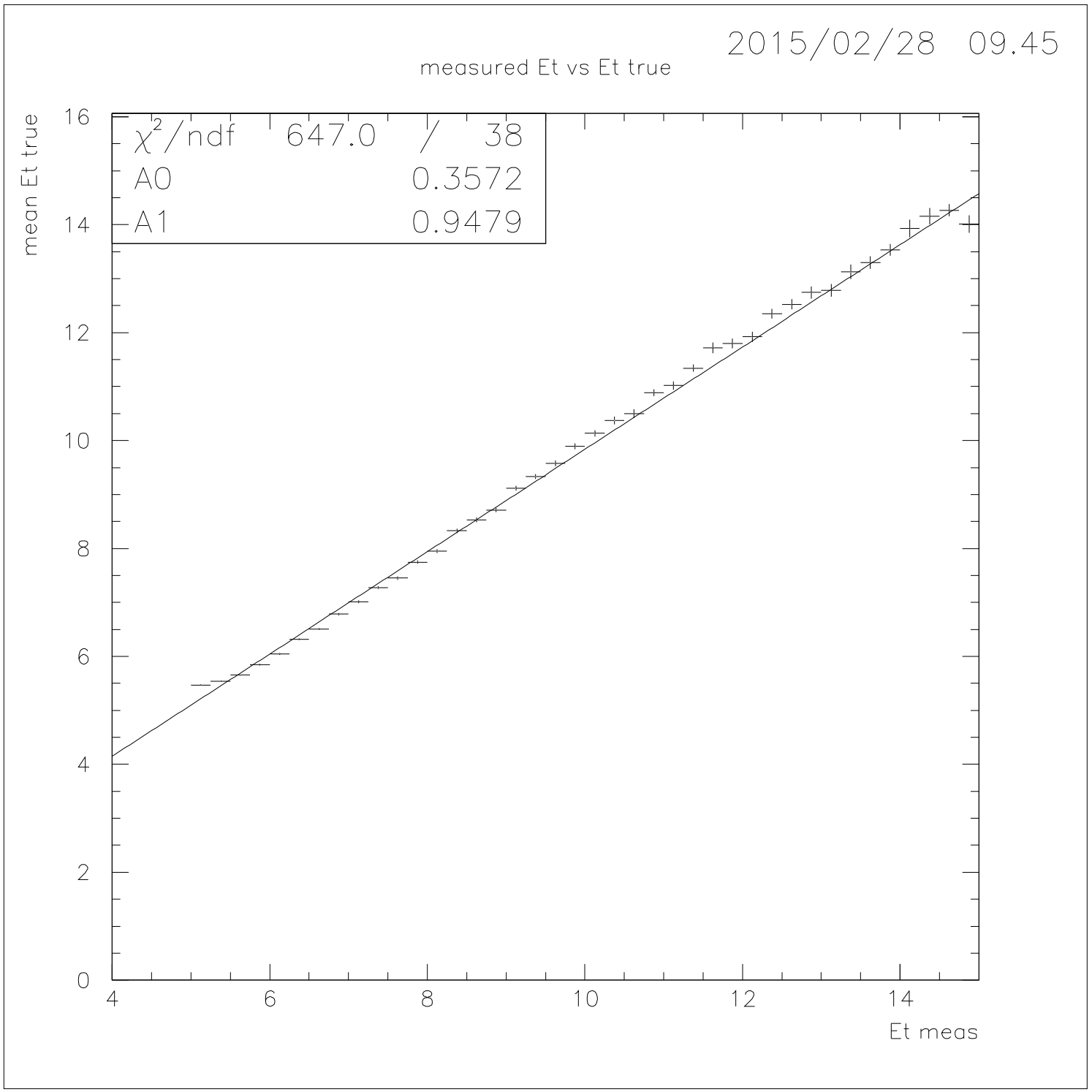
correction factor meas to truth xp




2015/02/28 09.45
correction factor meas to truth xp
correction factor
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
xp


2015/02/28 09.45
true Et vs measured Et
Et measured
14
12
10
8
6
4
4
6
8
10
12
14
Et true , line slope 1


2015/02/28 09.45
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


2015/02/28 09.45
measured Et vs Et true
mean Et true
Et meas
χ²/ndf 647.0 / 38
A0 0.3572
A1 0.9479
0
2
4
6
8
10
12
14
16
4
6
8
10
12
14