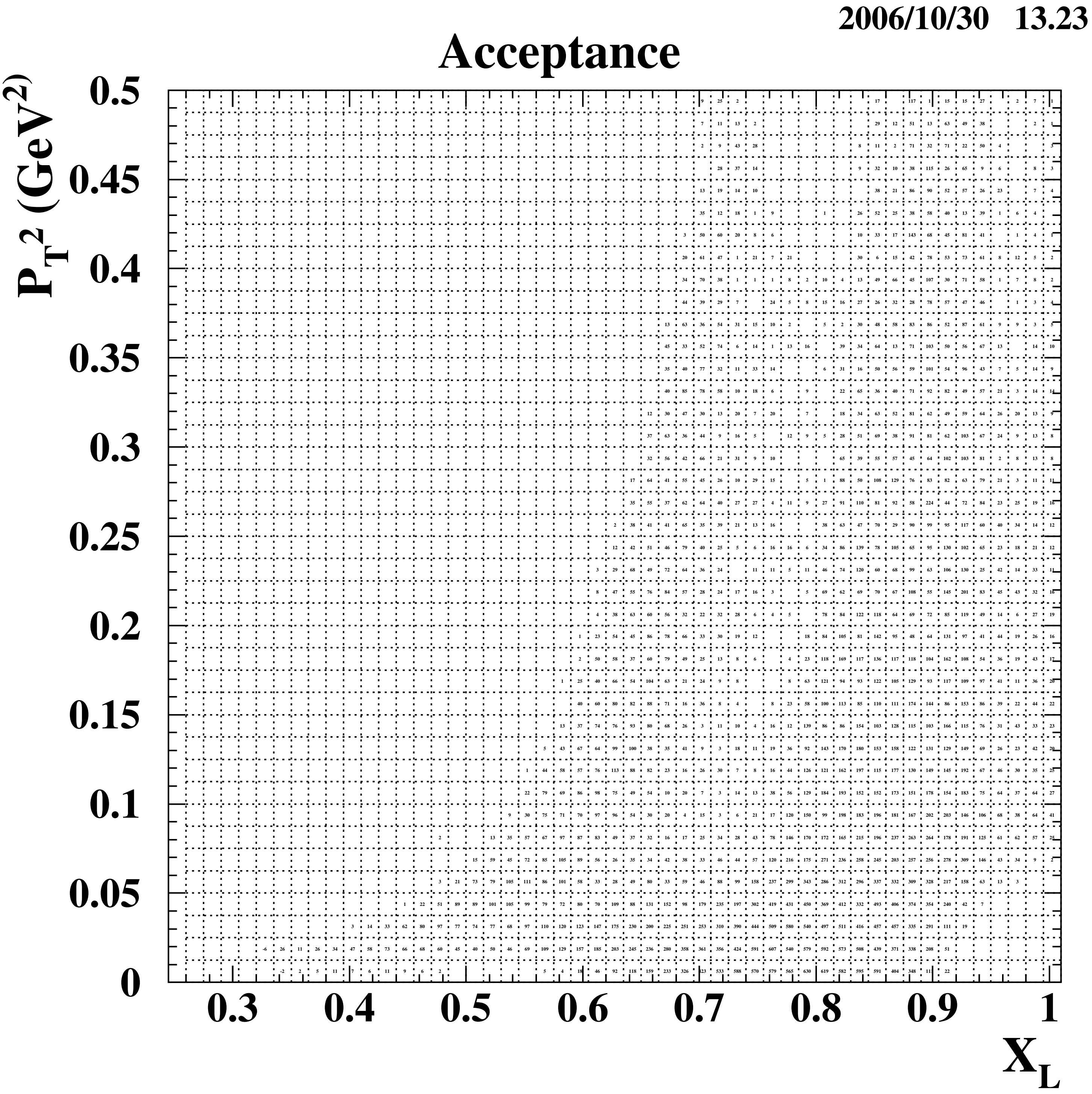
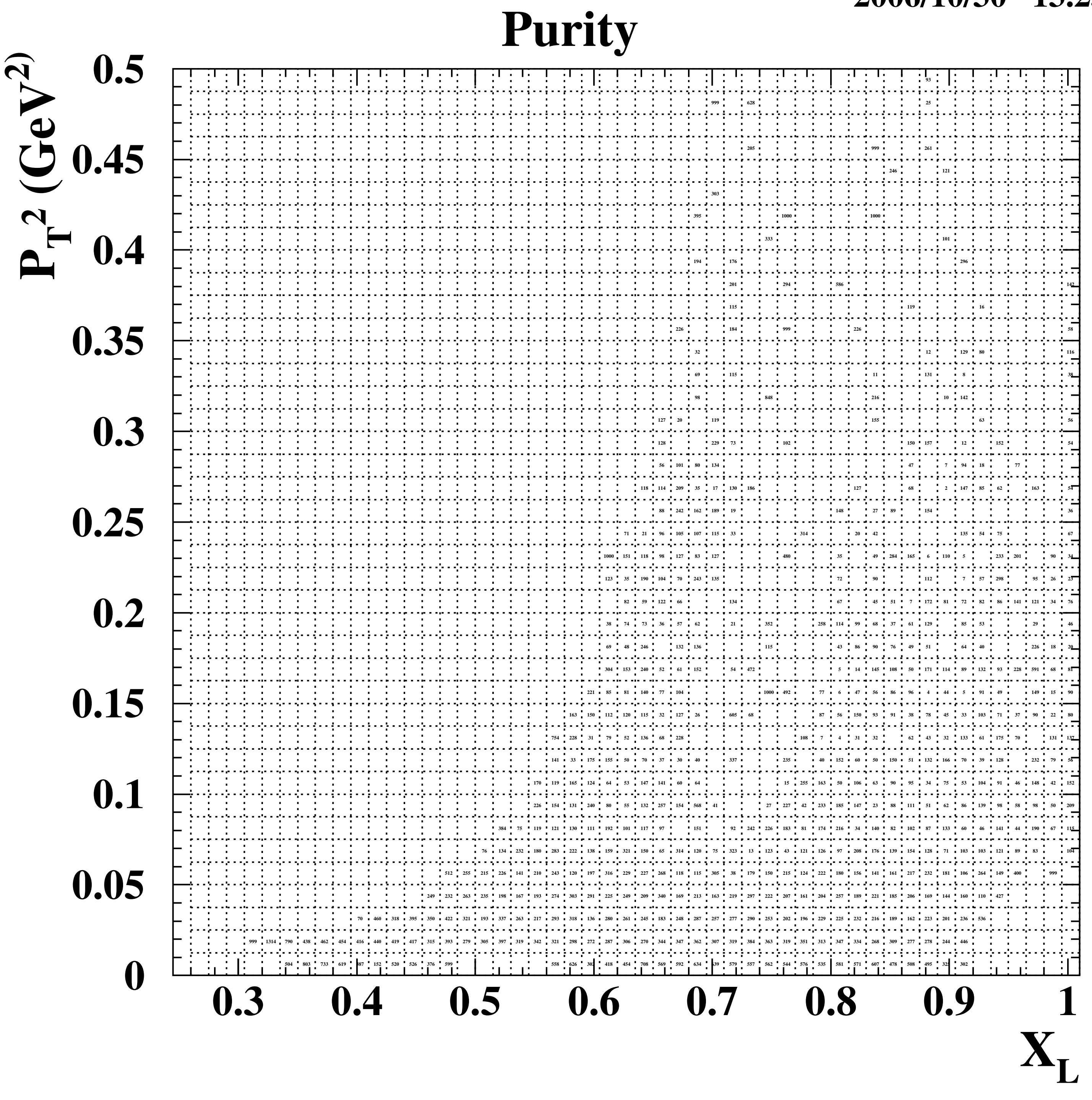
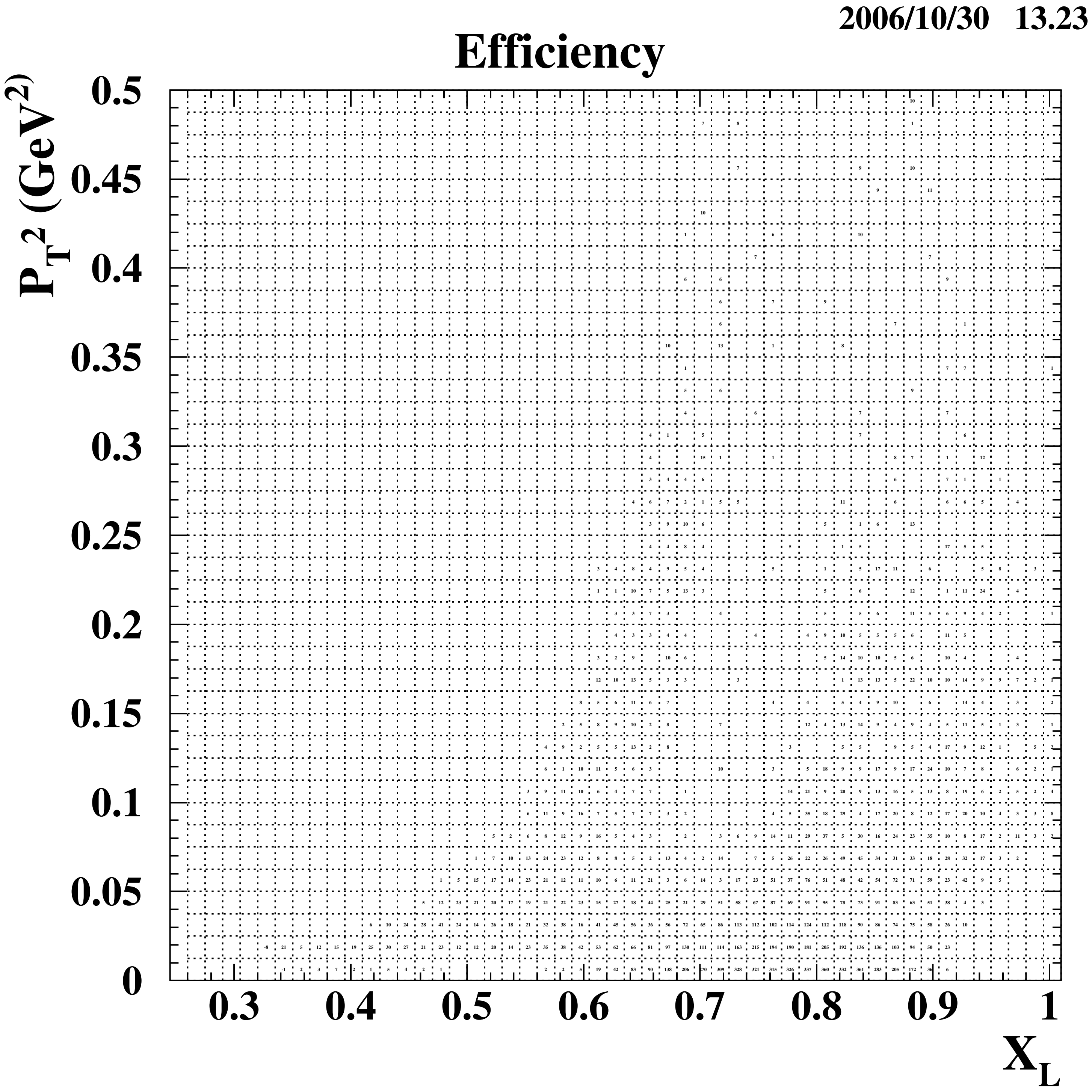
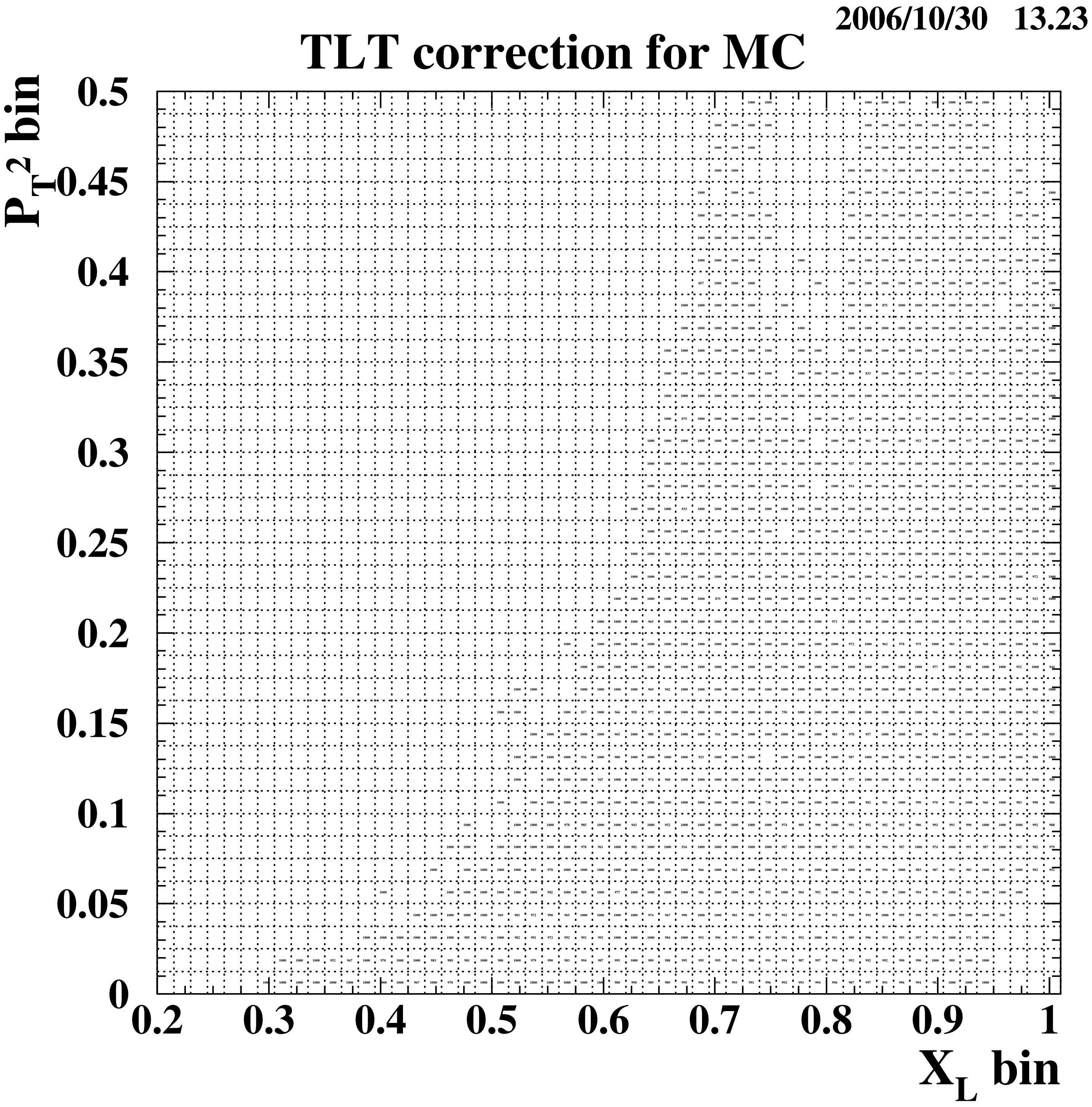

2006/10/30 13.23
Acceptance
P_T^2 (GeV^2)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L

2006/10/30 13.23

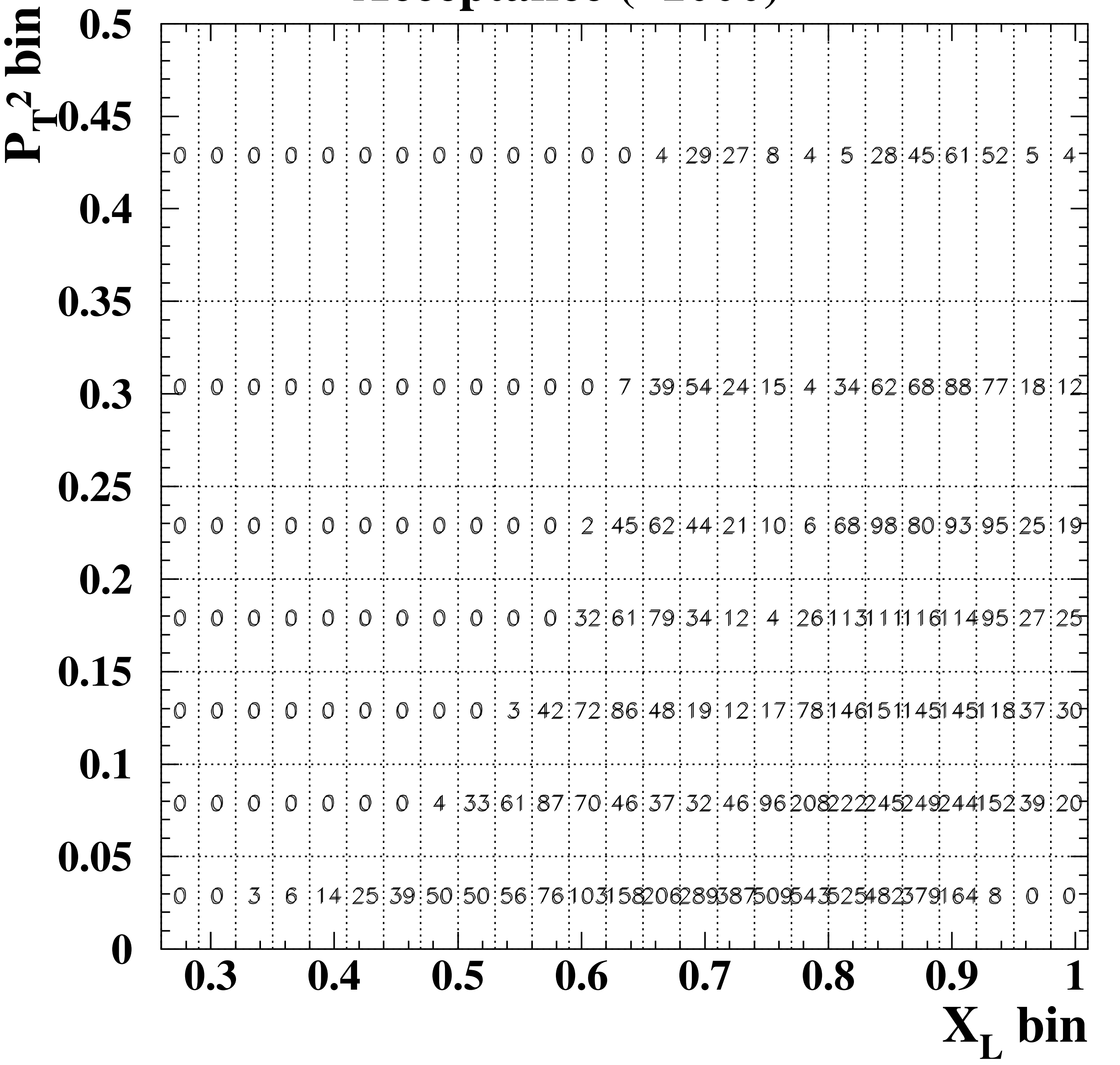



2006/10/30 13.23
Efficiency
P_T^2 (GeV^2)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L

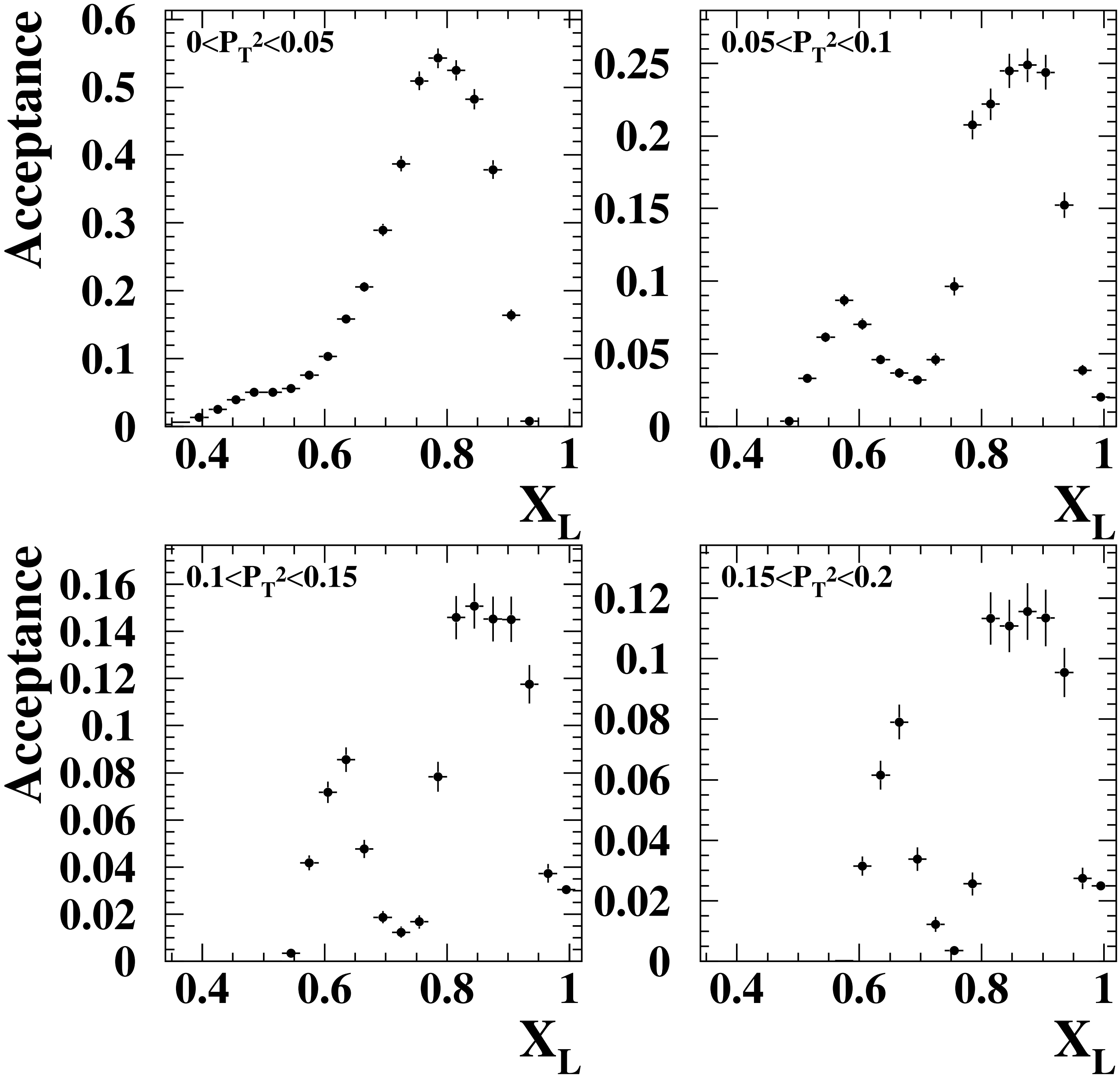

2006/10/30 13.23
TLT correction for MC
P_T^2 bin
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L bin

2006/10/30 13.23

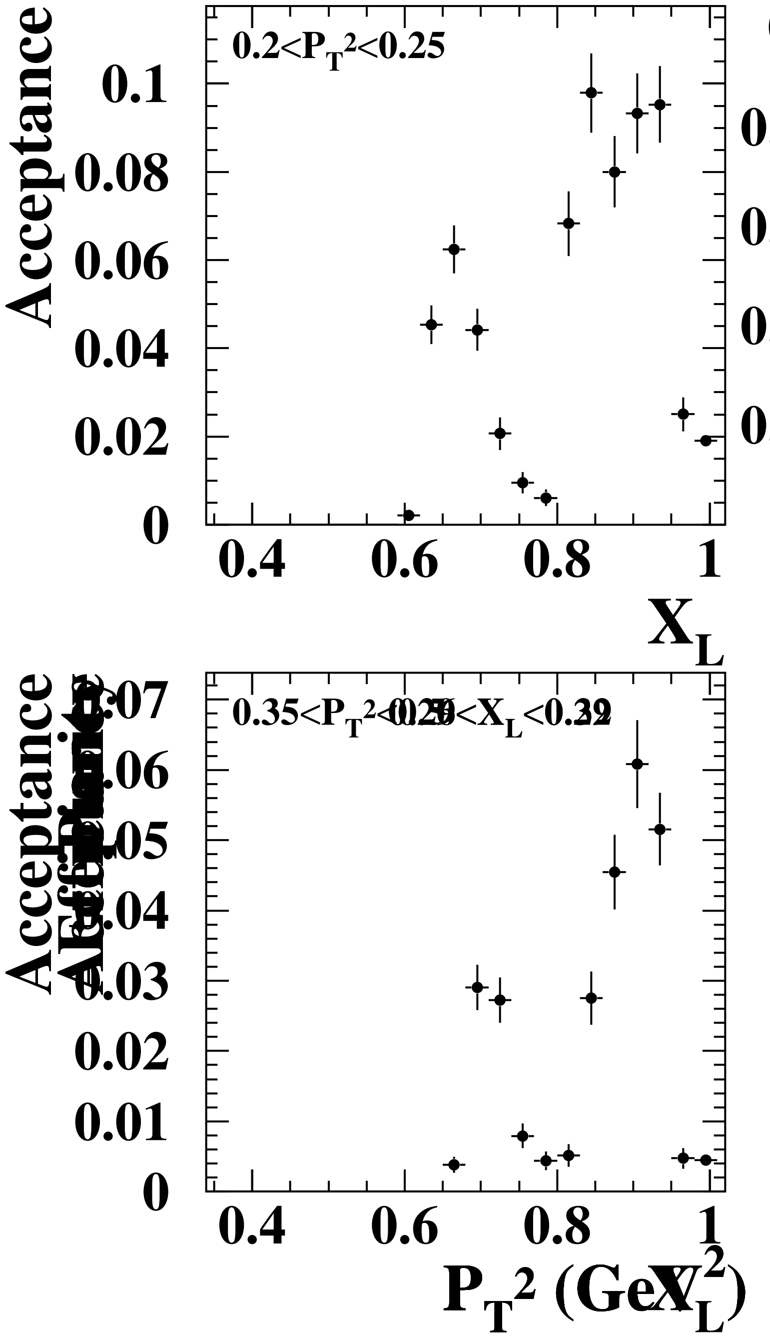
Acceptance (*1000)



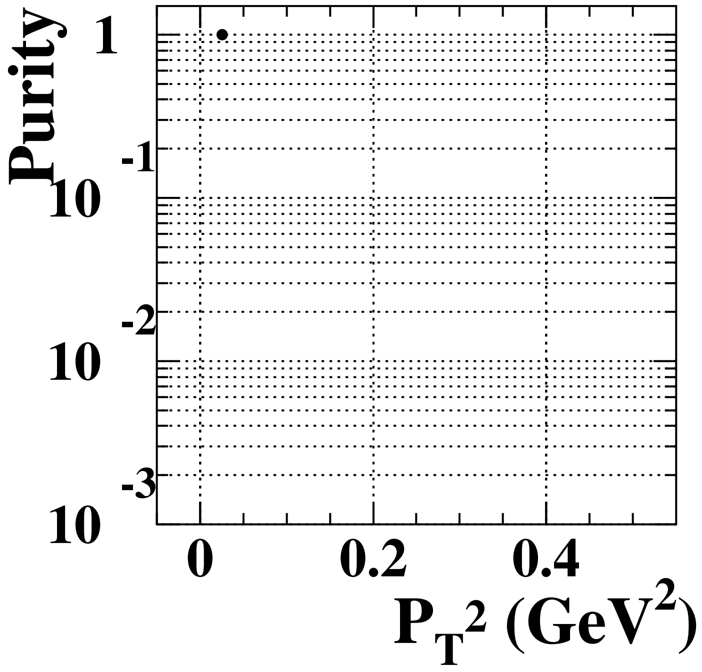
2006/10/30 13.23



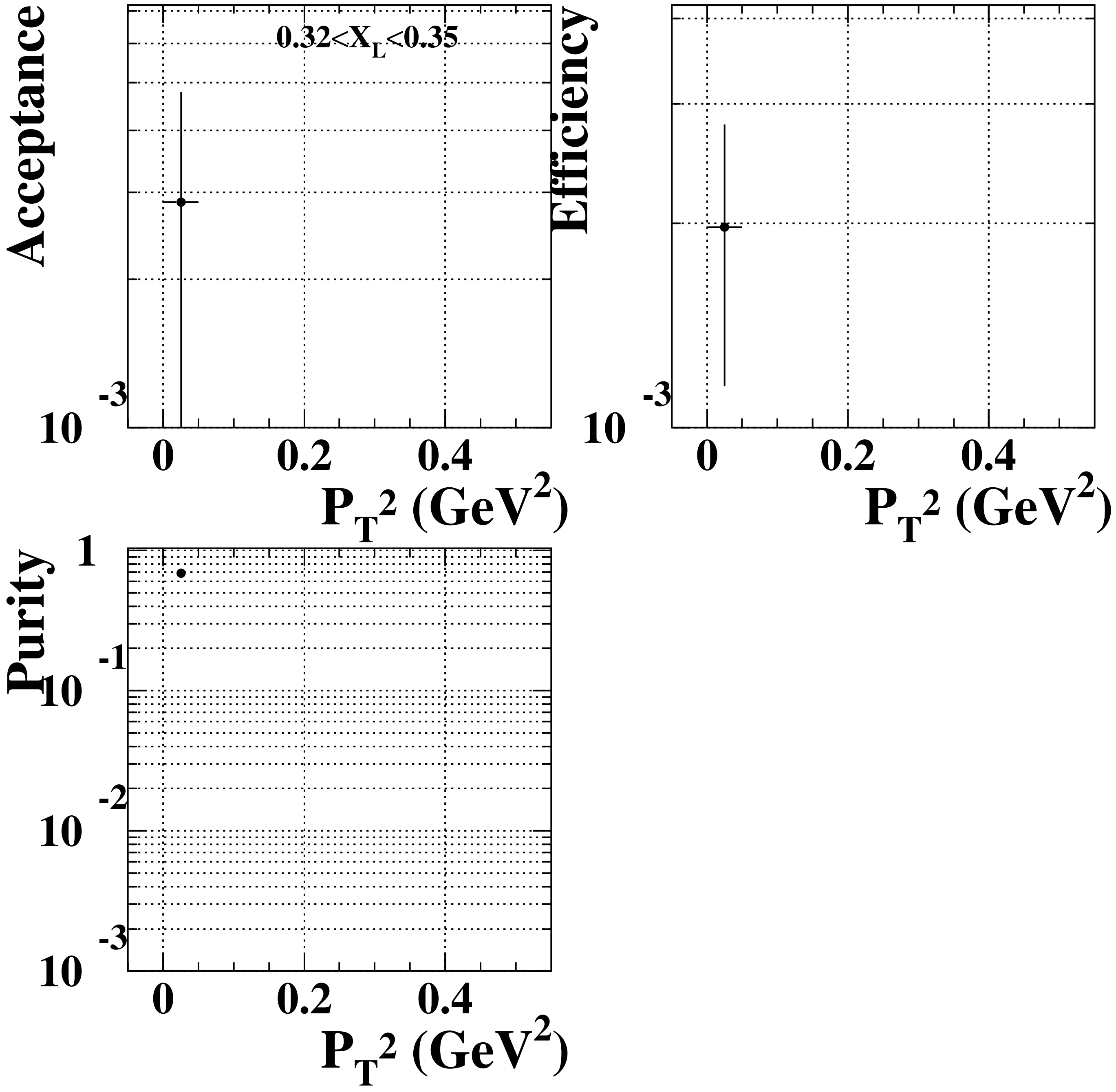
2006/10/30 13.23



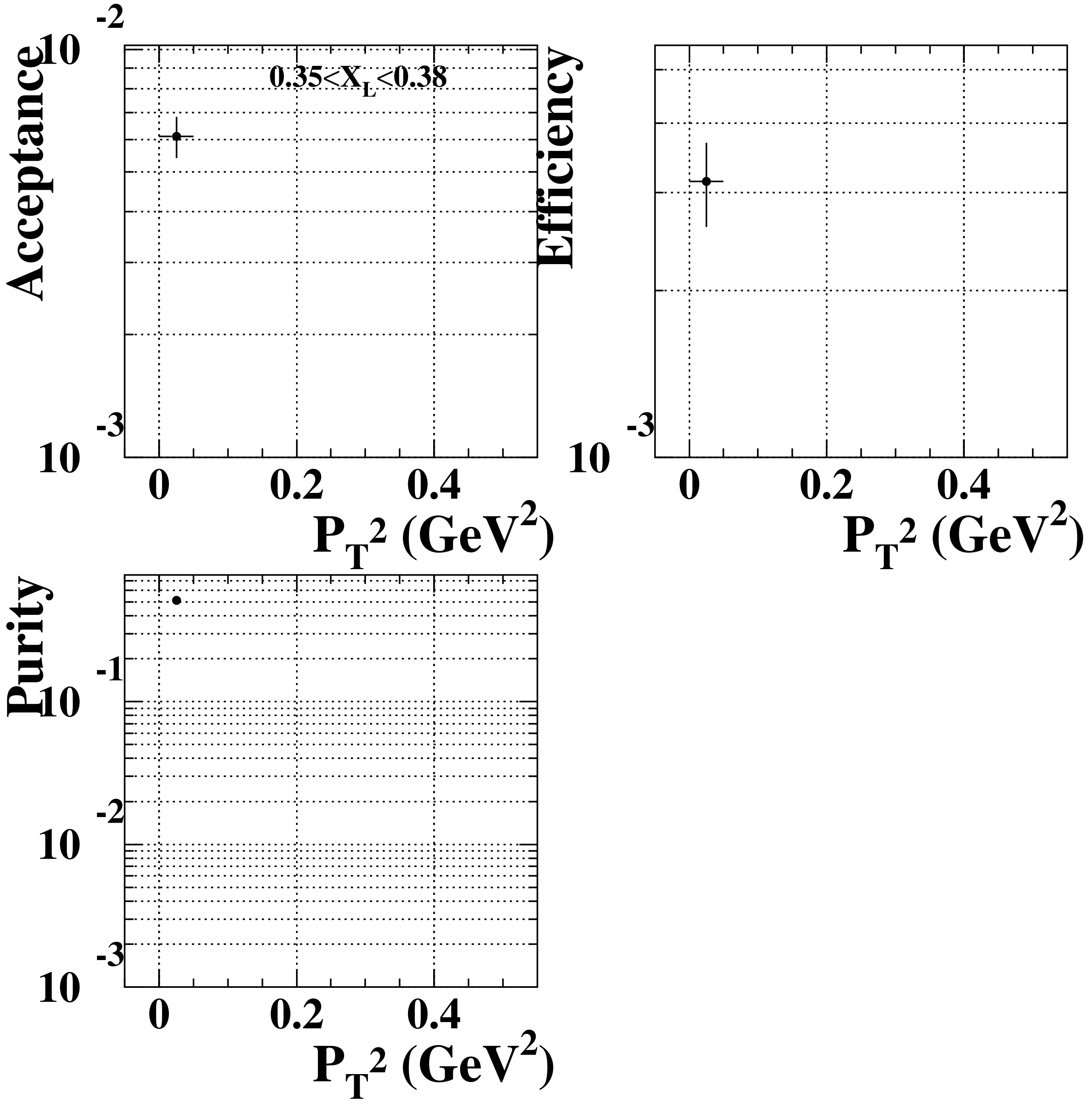
2006/10/30 13.23



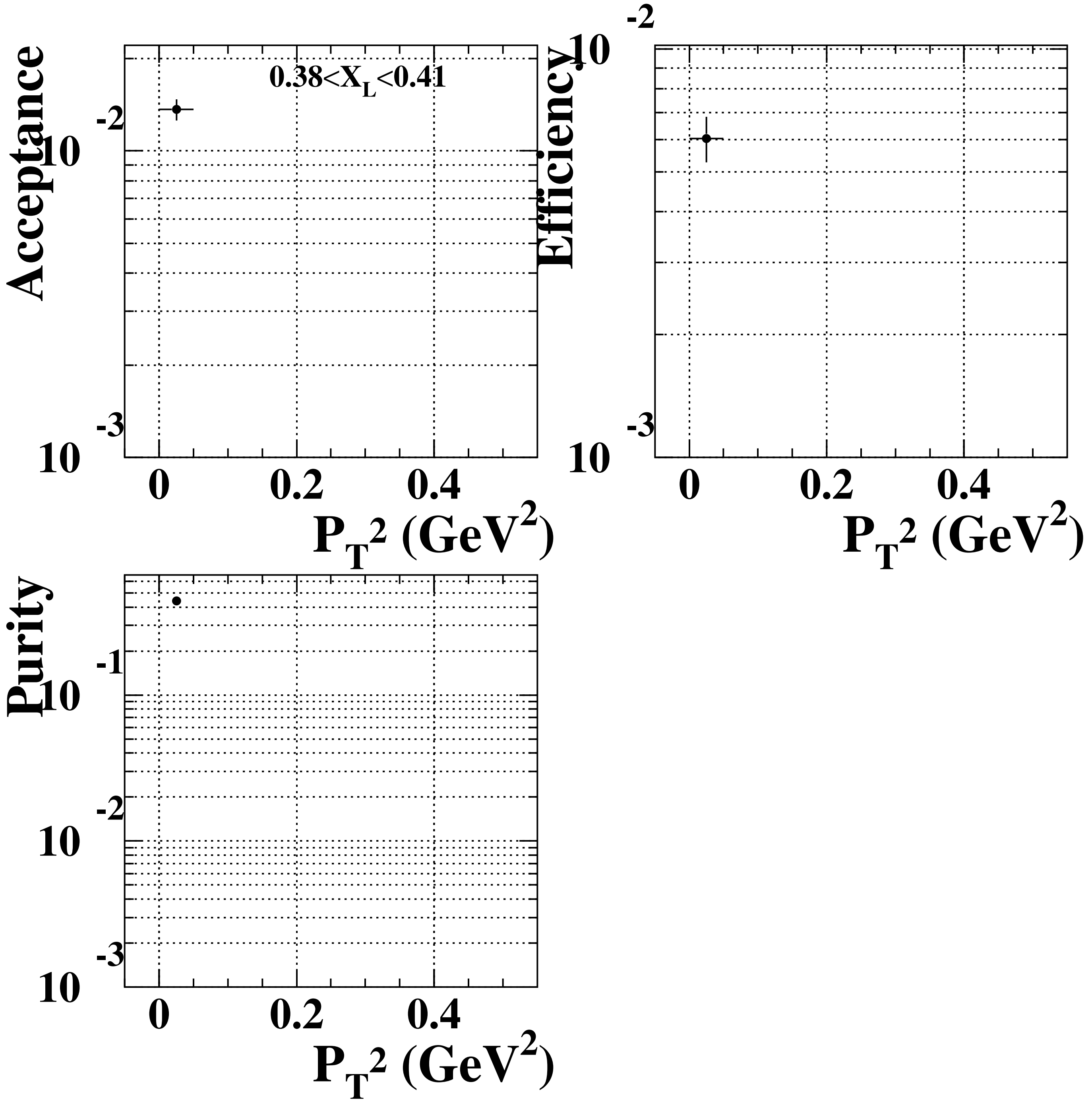
2006/10/30 13.23



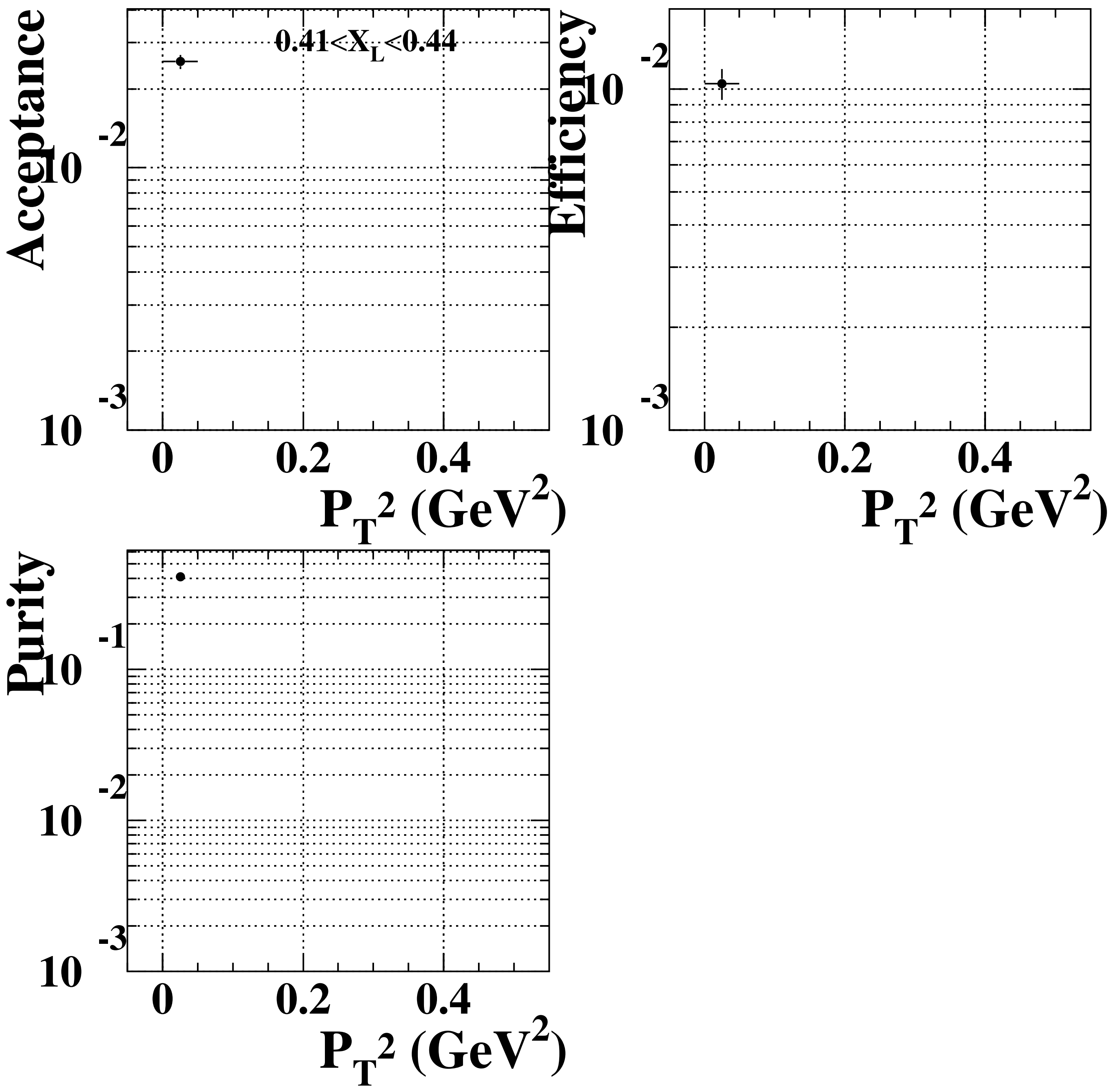
2006/10/30 13.23



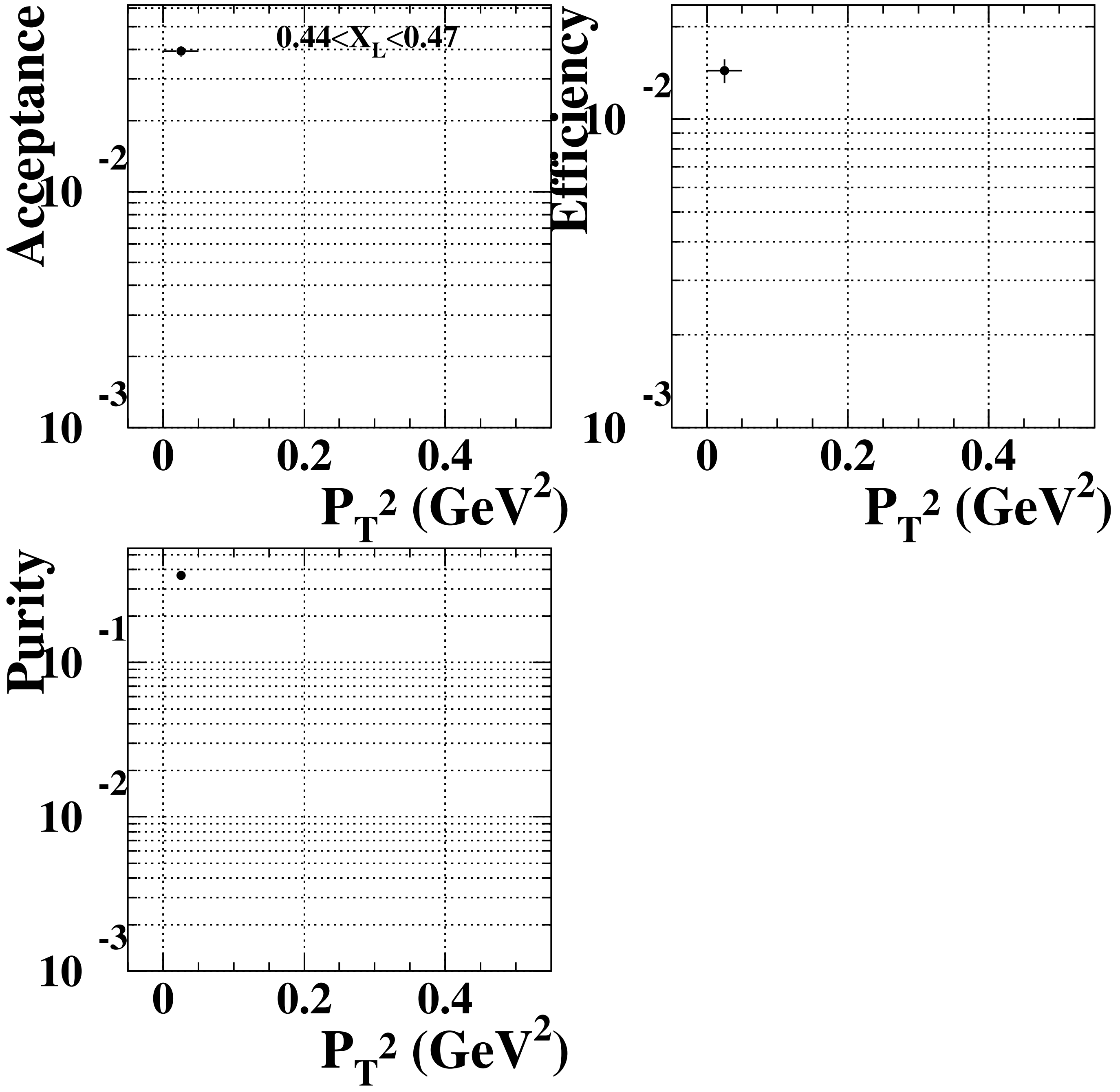
2006/10/30 13.23



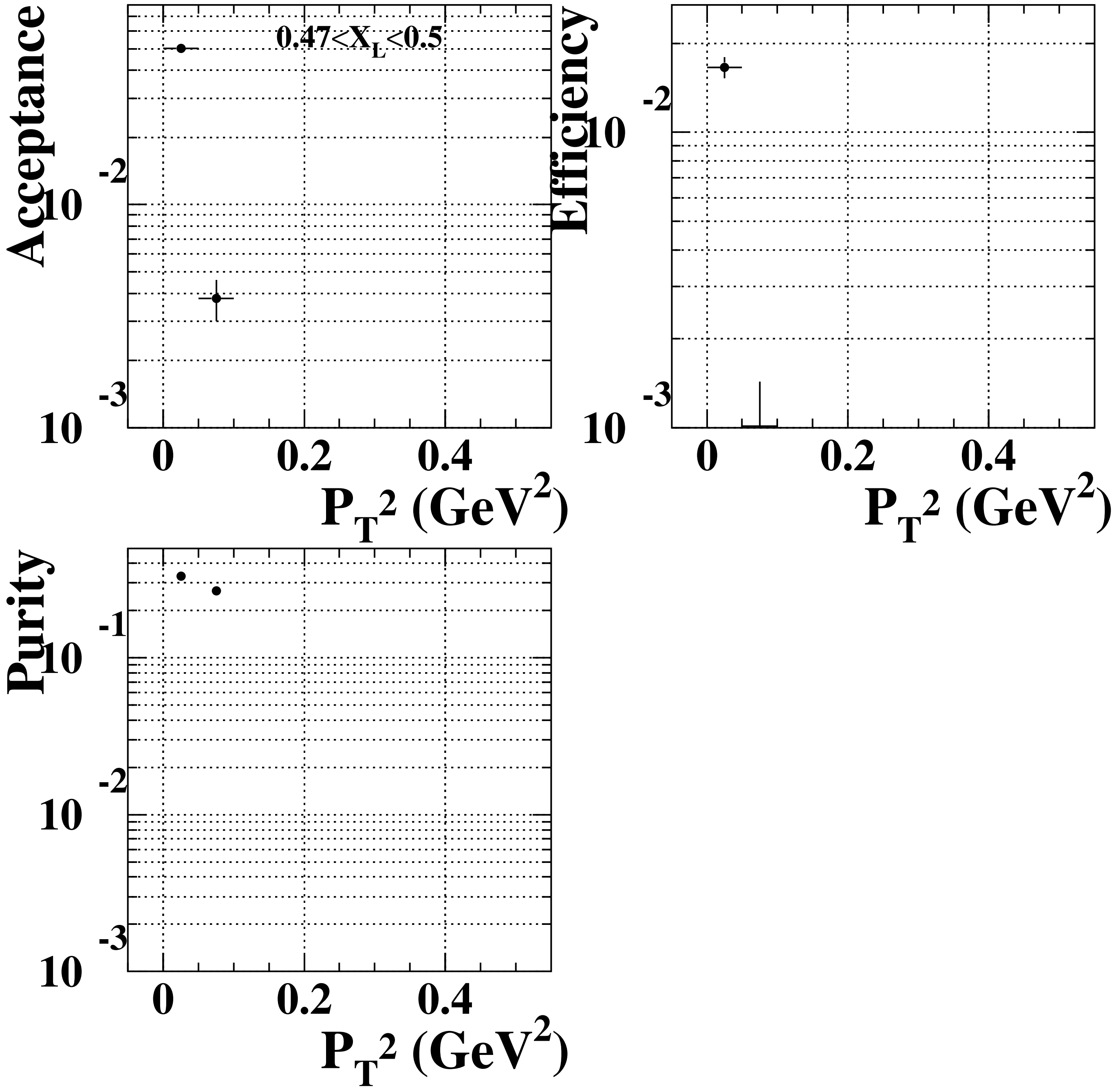
2006/10/30 13.23



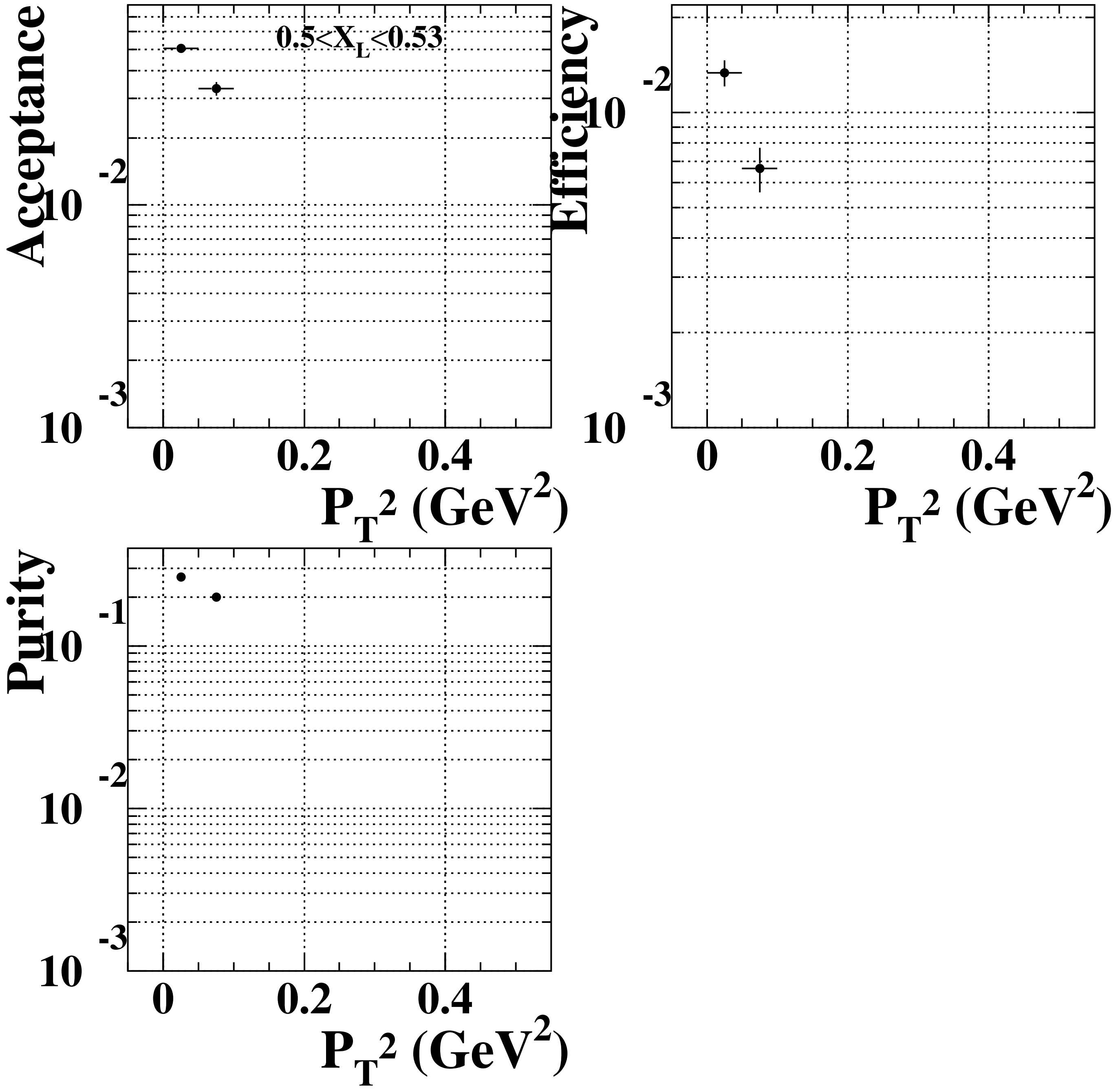
2006/10/30 13.23



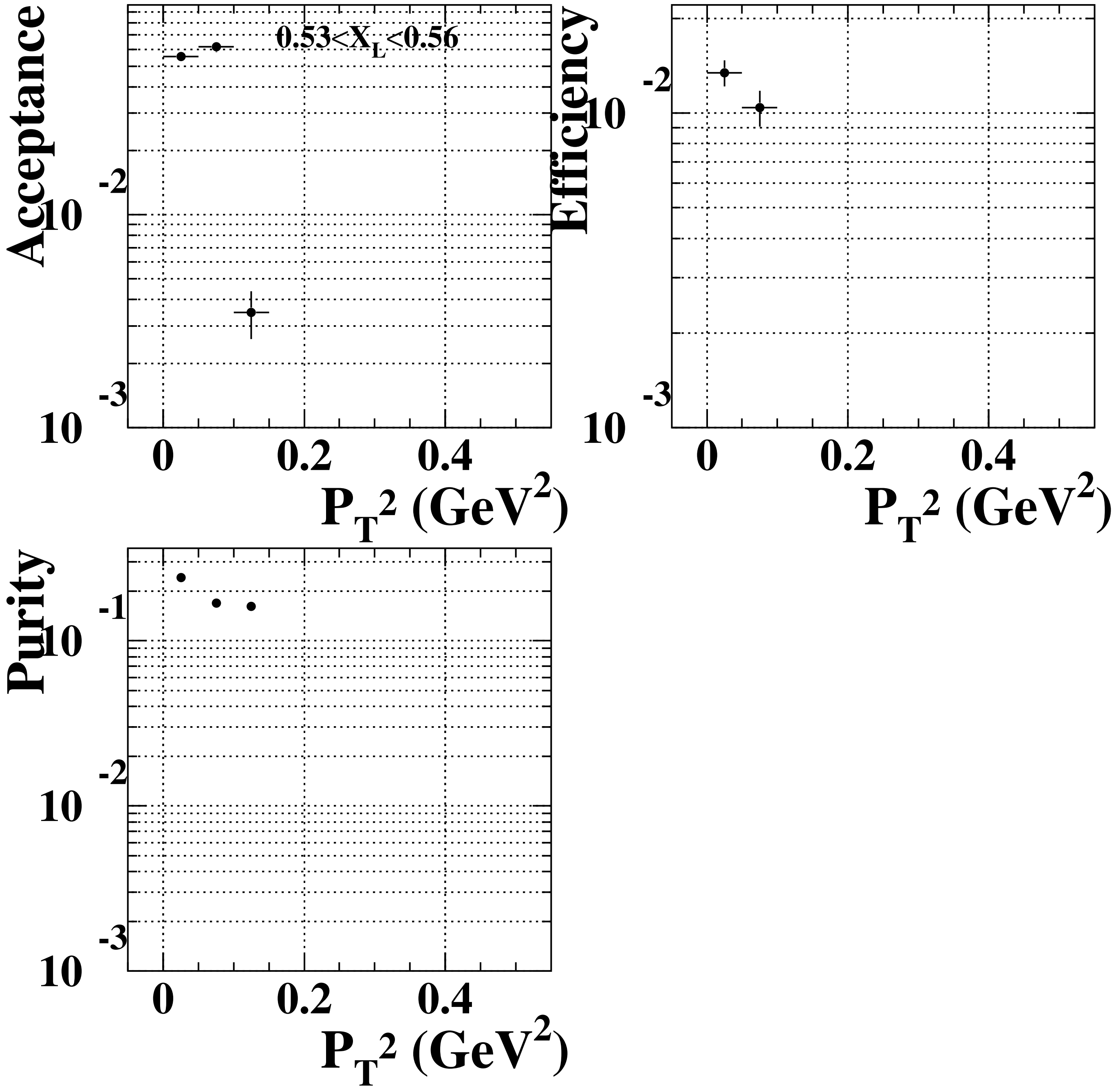
2006/10/30 13.23



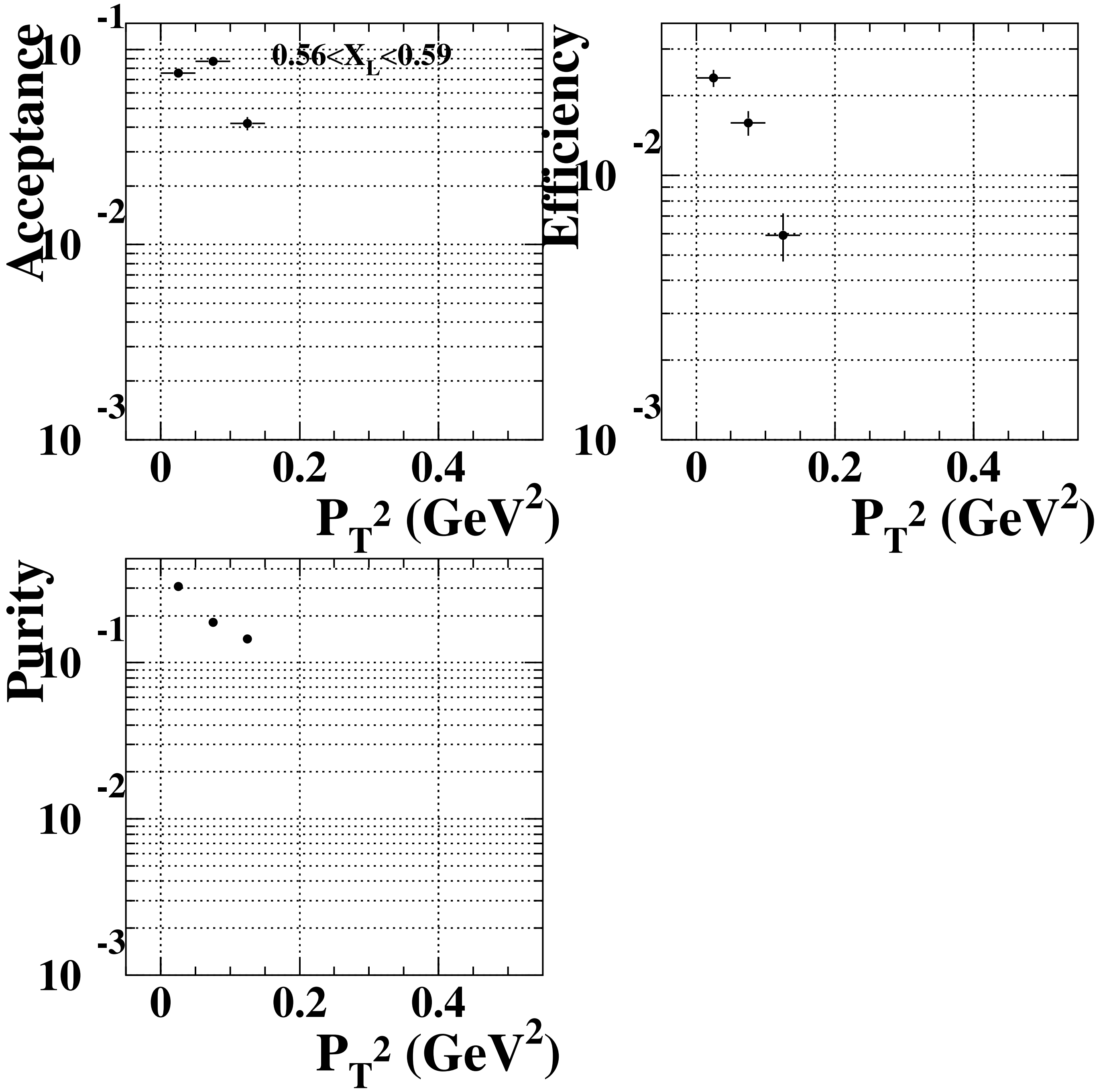
2006/10/30 13.23



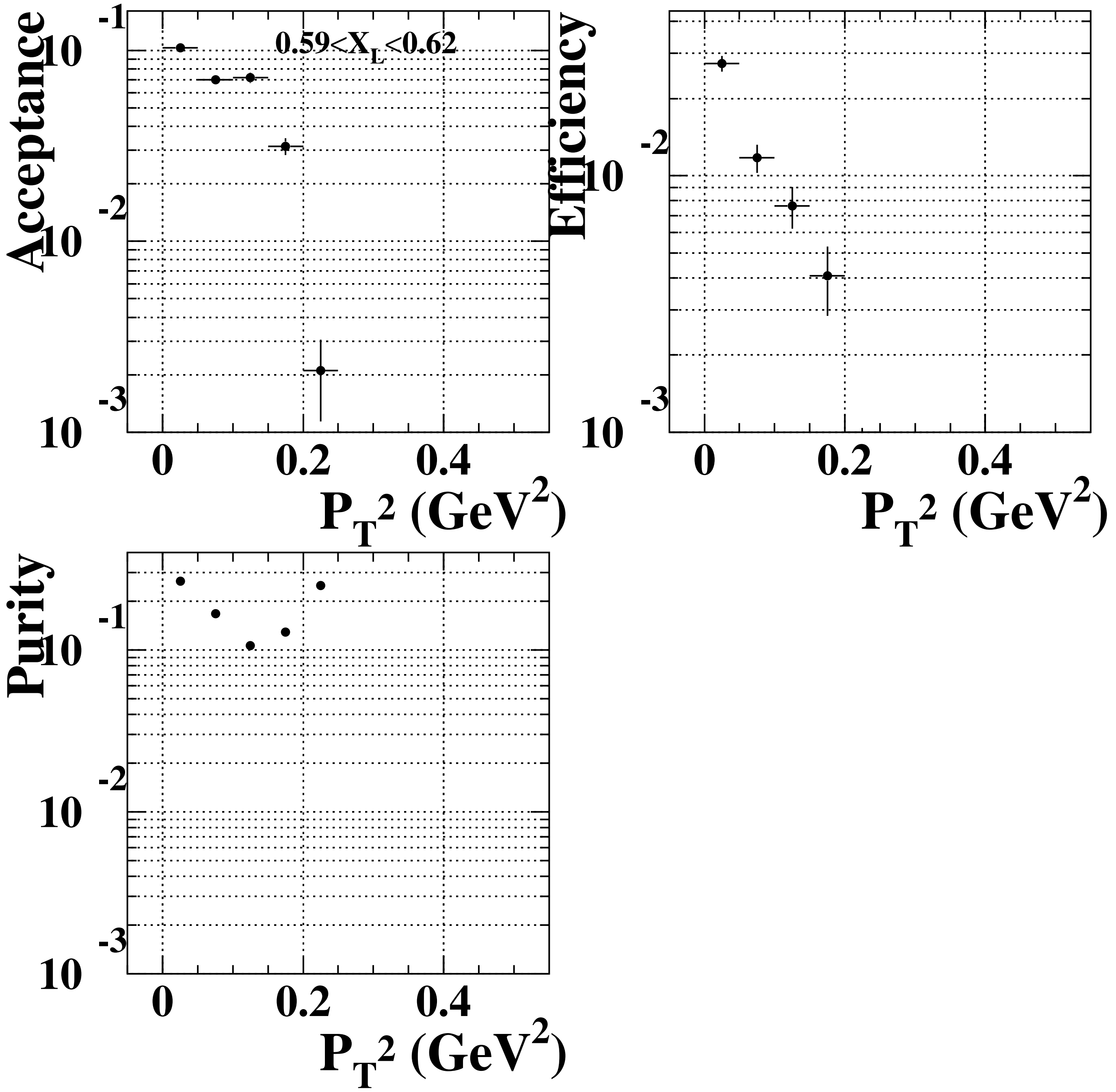
2006/10/30 13.23



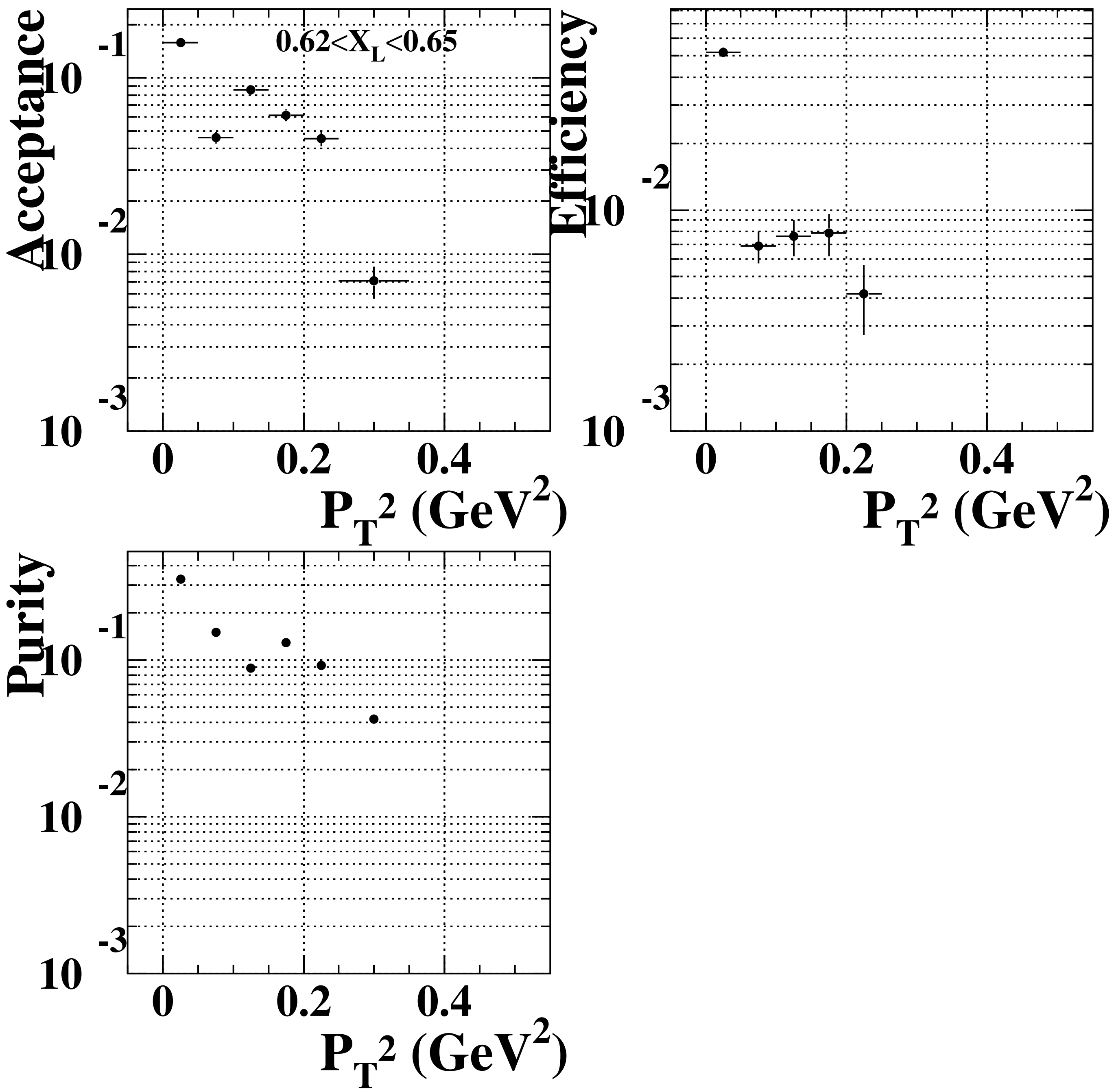
2006/10/30 13.23



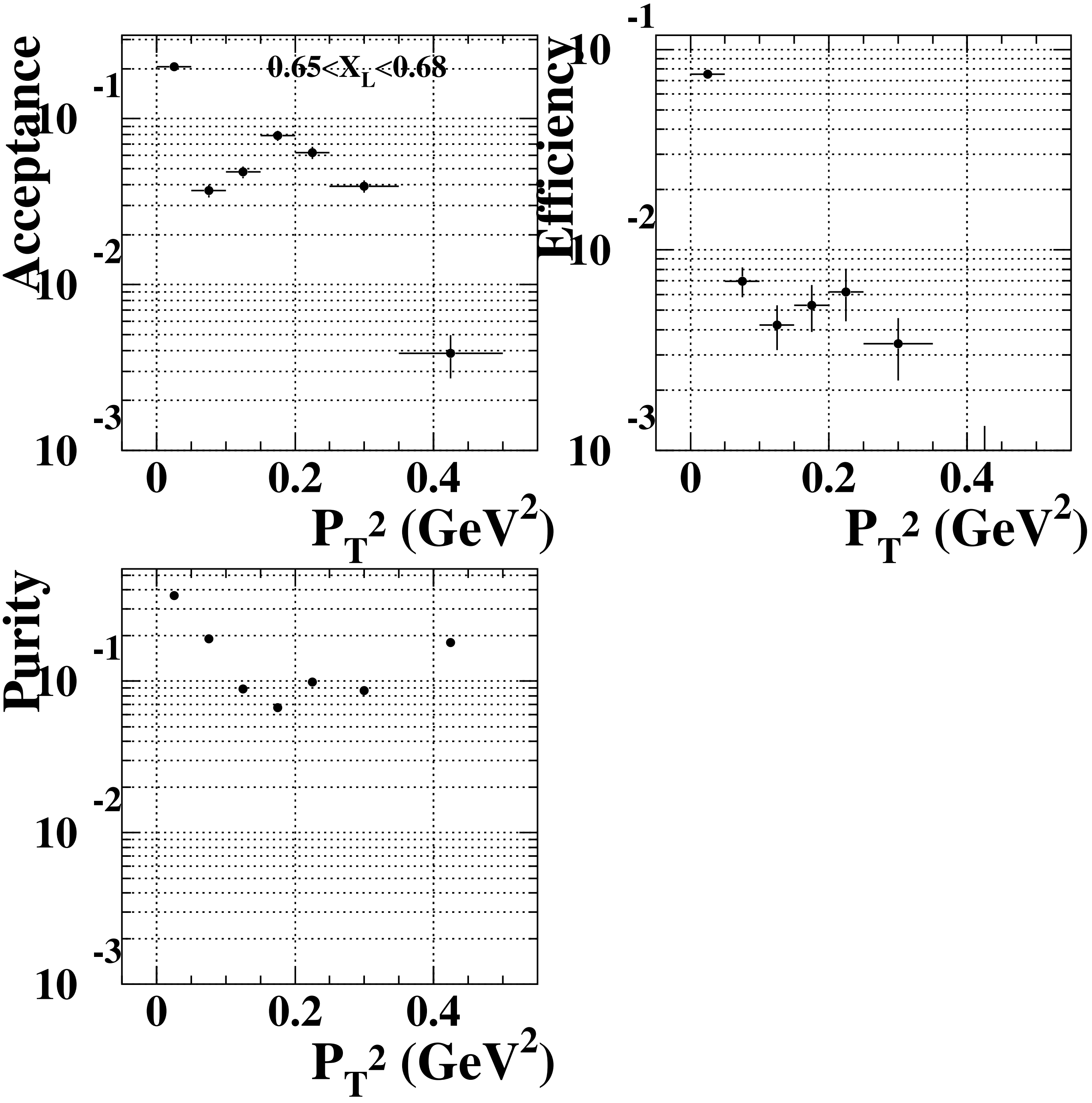
2006/10/30 13.23



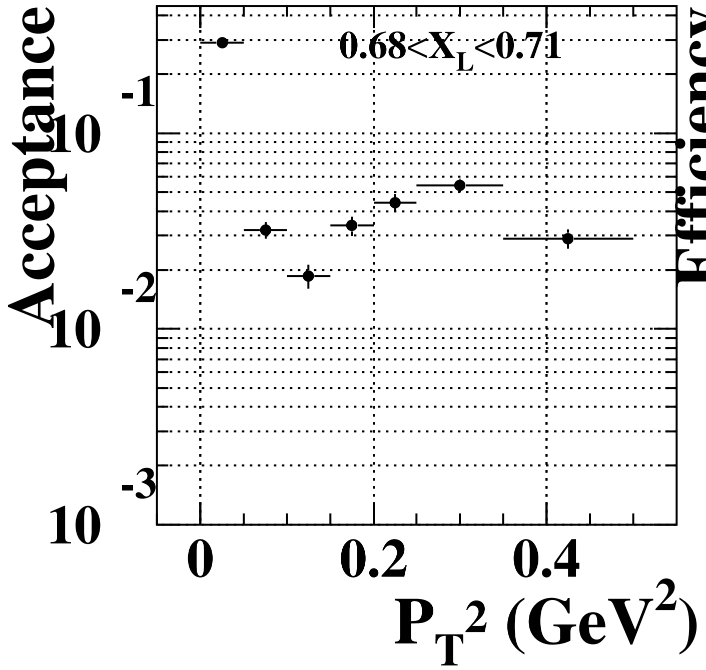
2006/10/30   13.23

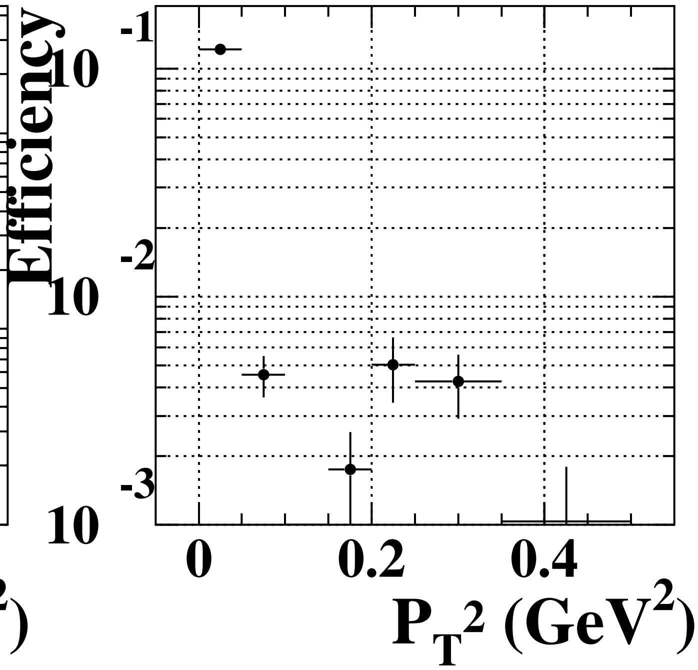


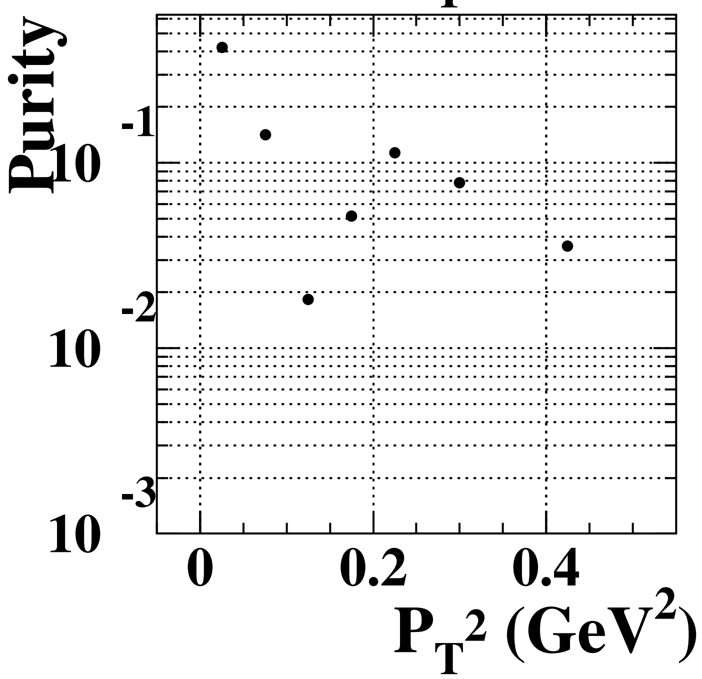
2006/10/30   13.23



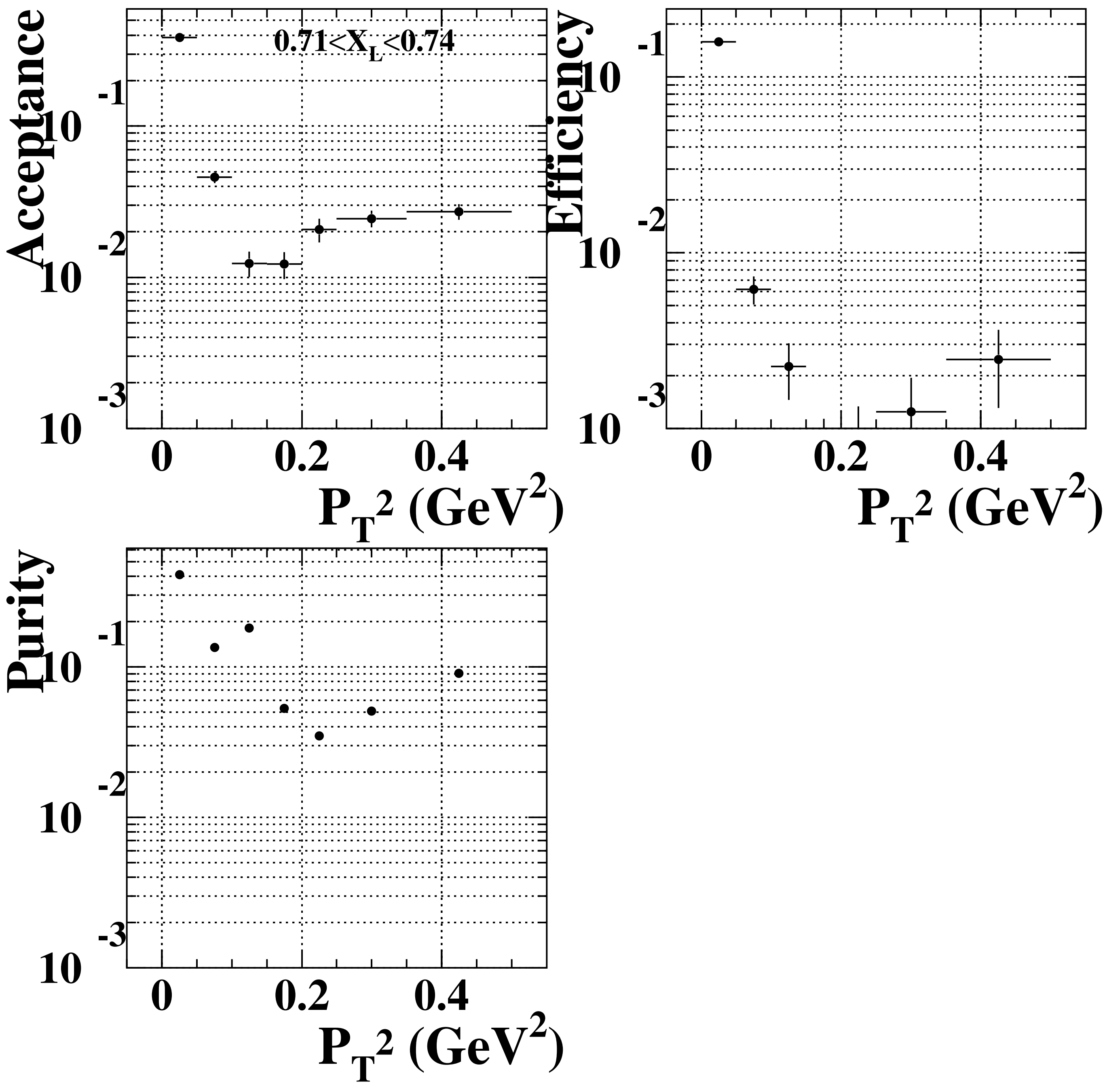
2006/10/30 13.23



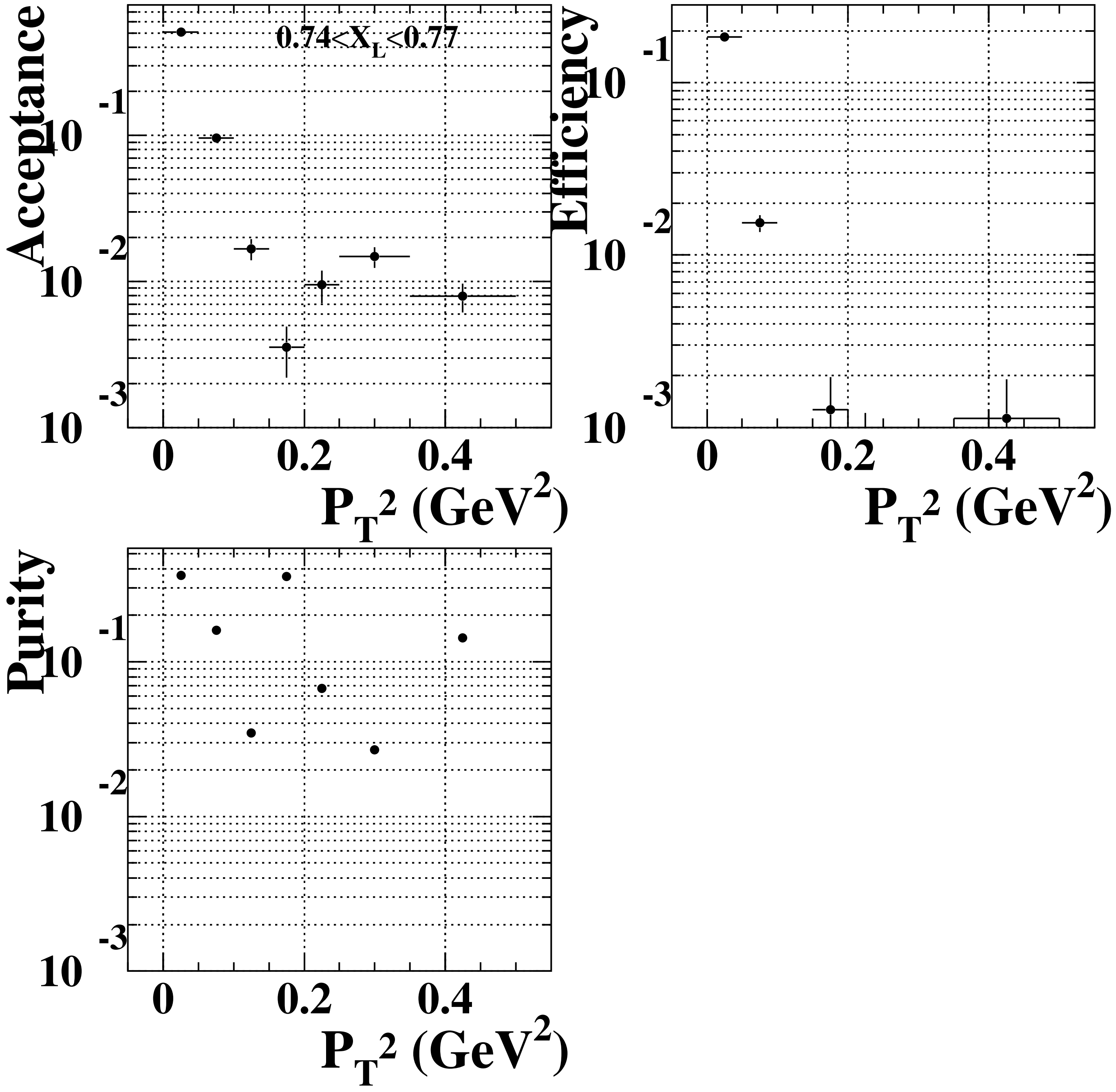




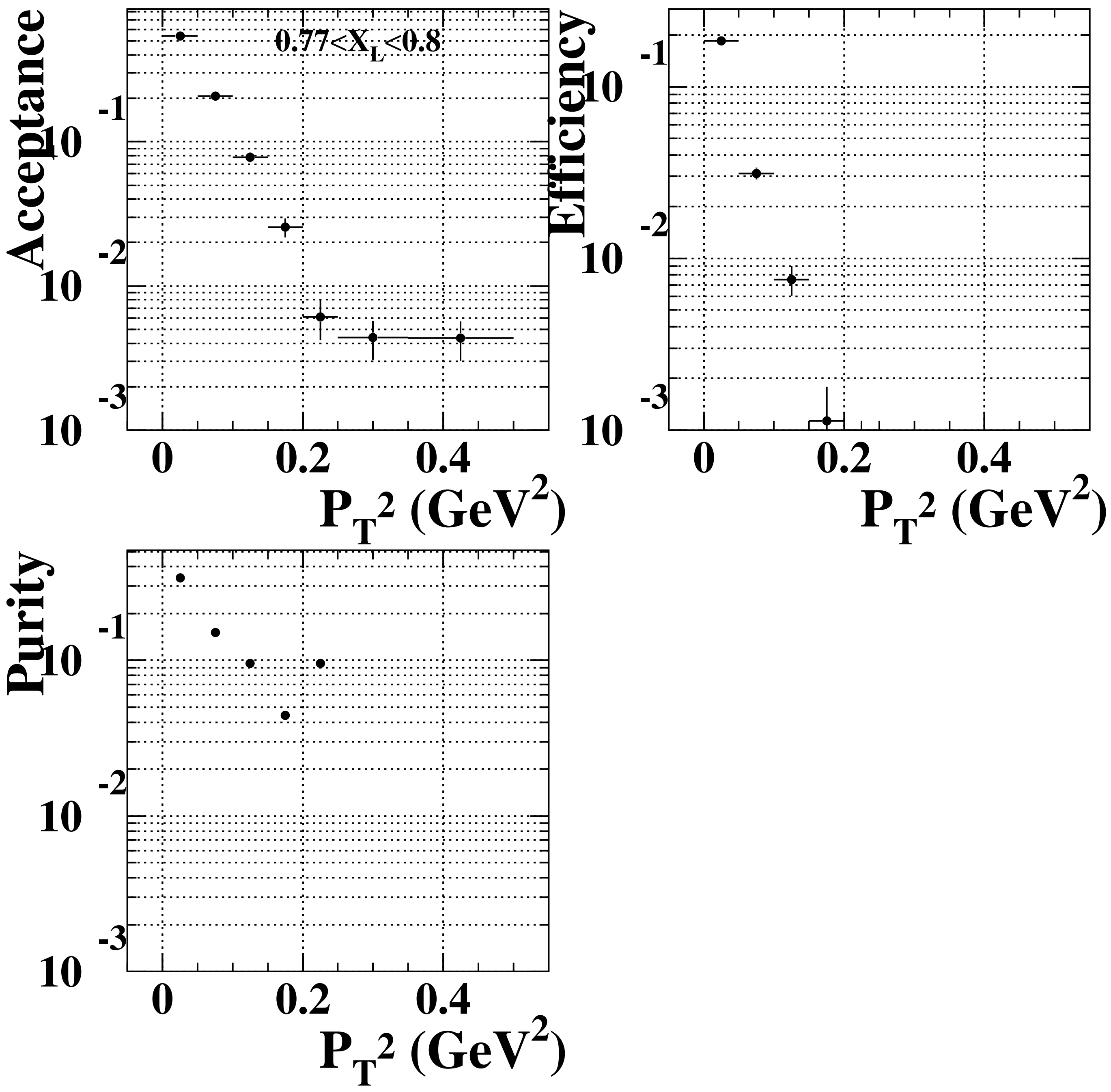
2006/10/30 13.23



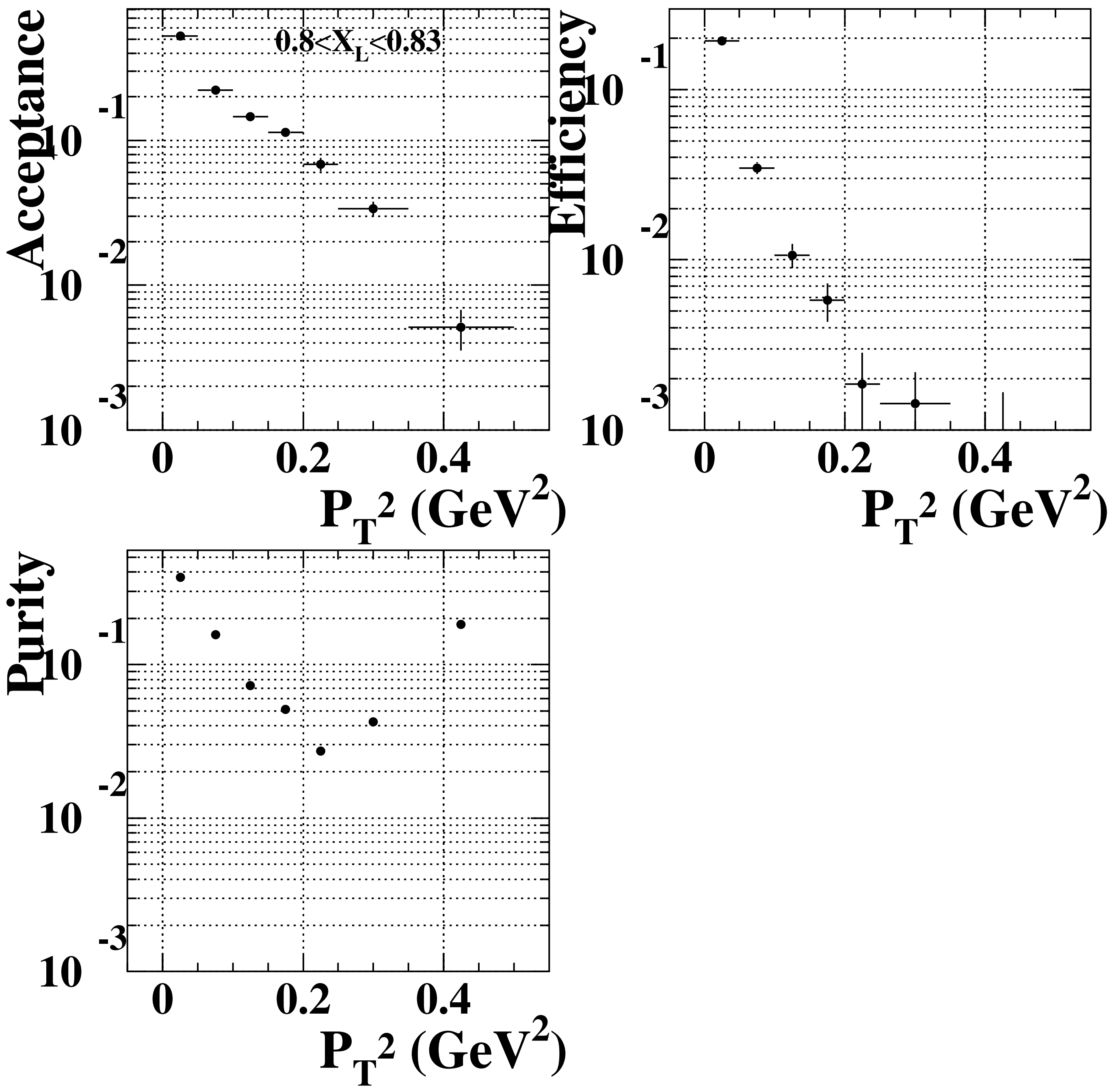
2006/10/30 13.23



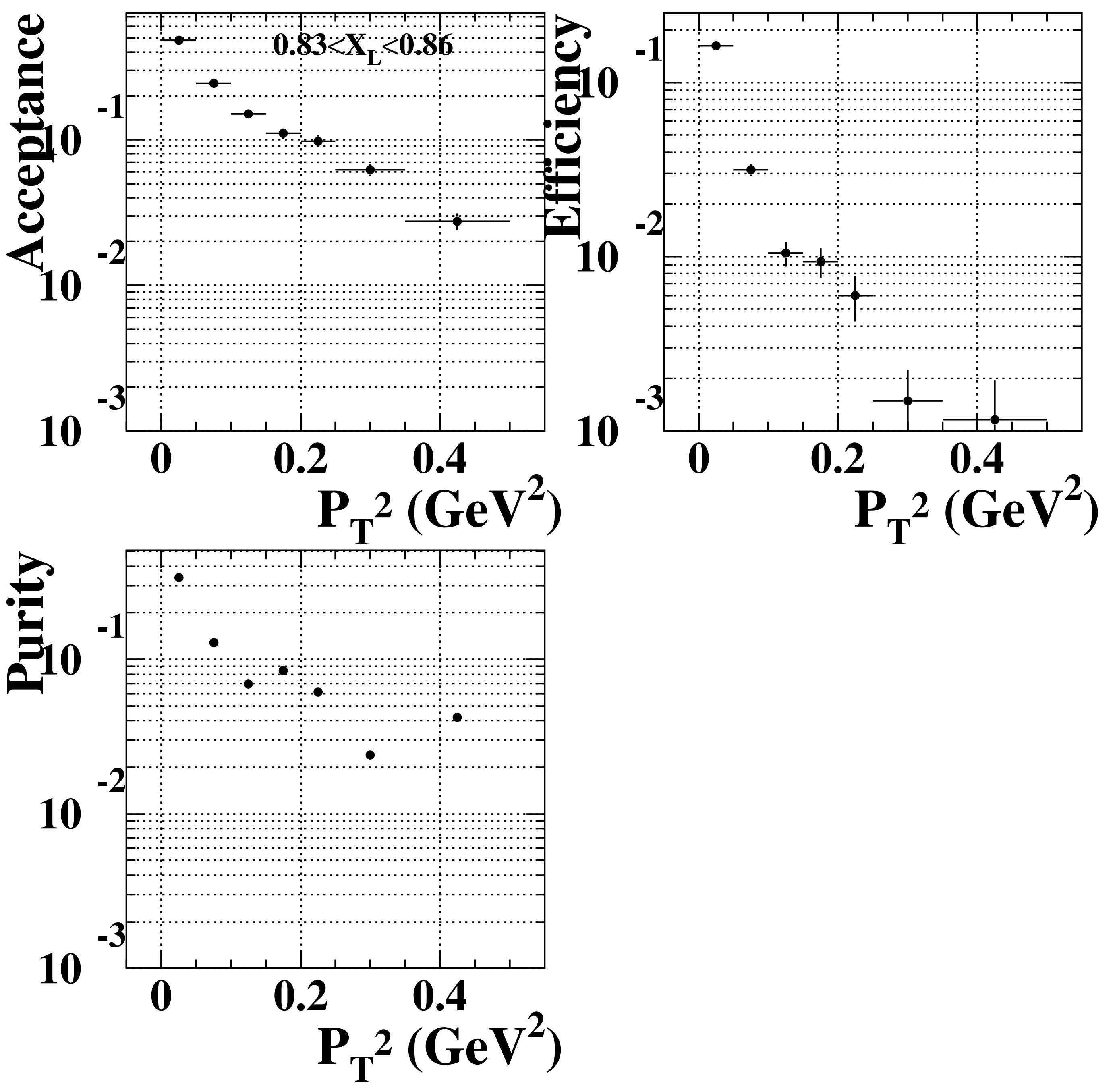
2006/10/30 13.23

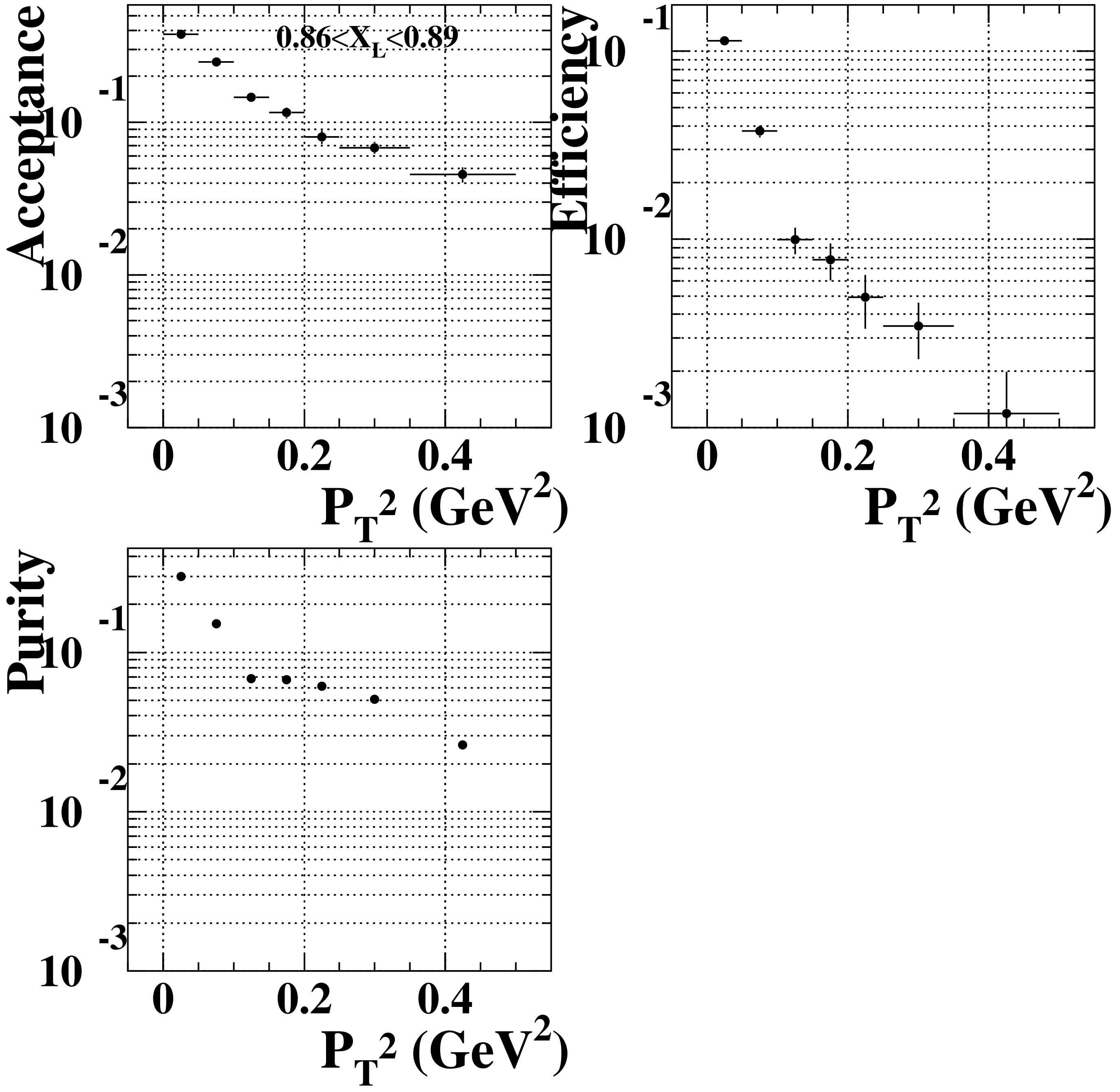


2006/10/30 13.23



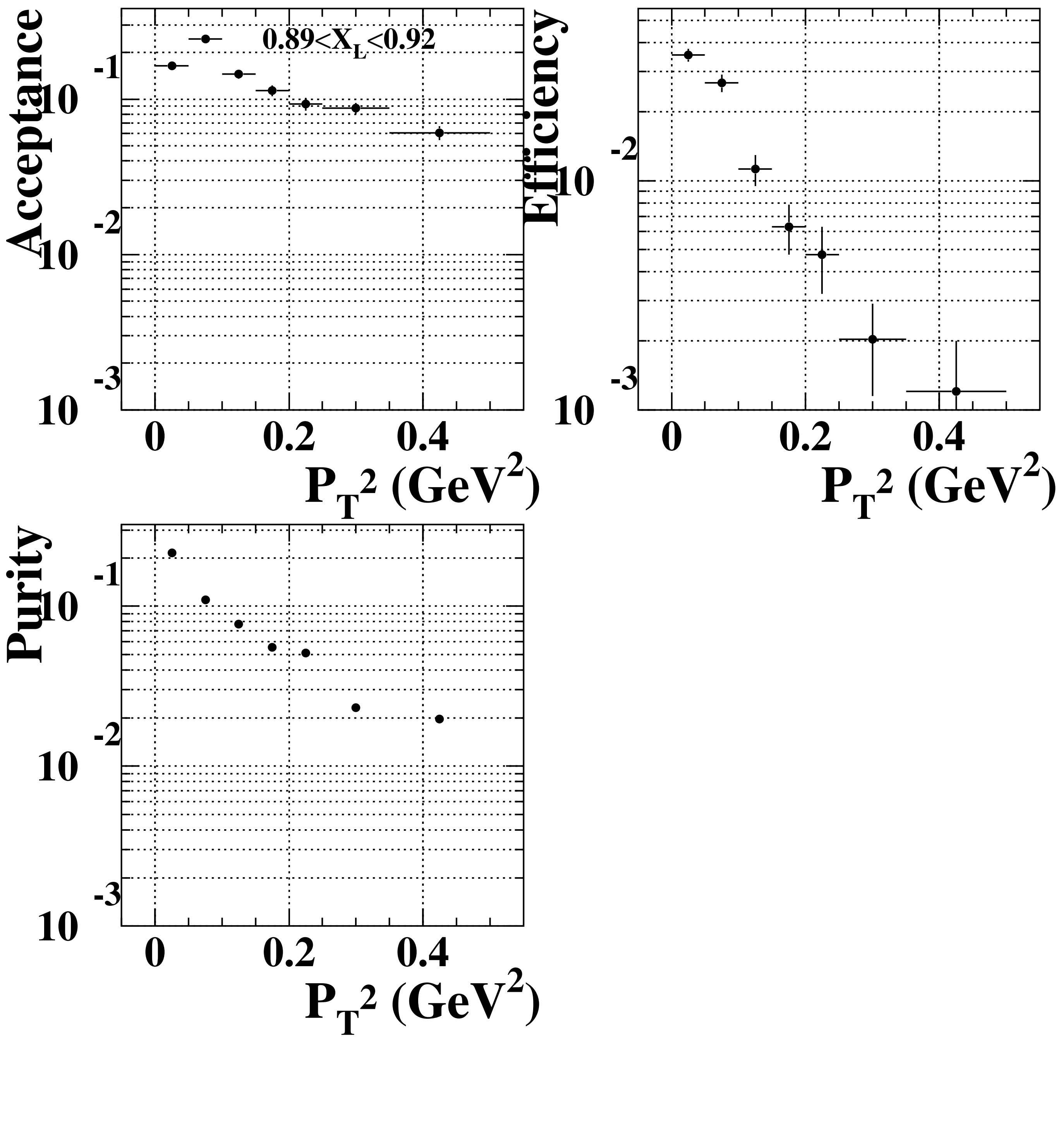
2006/10/30 13.23



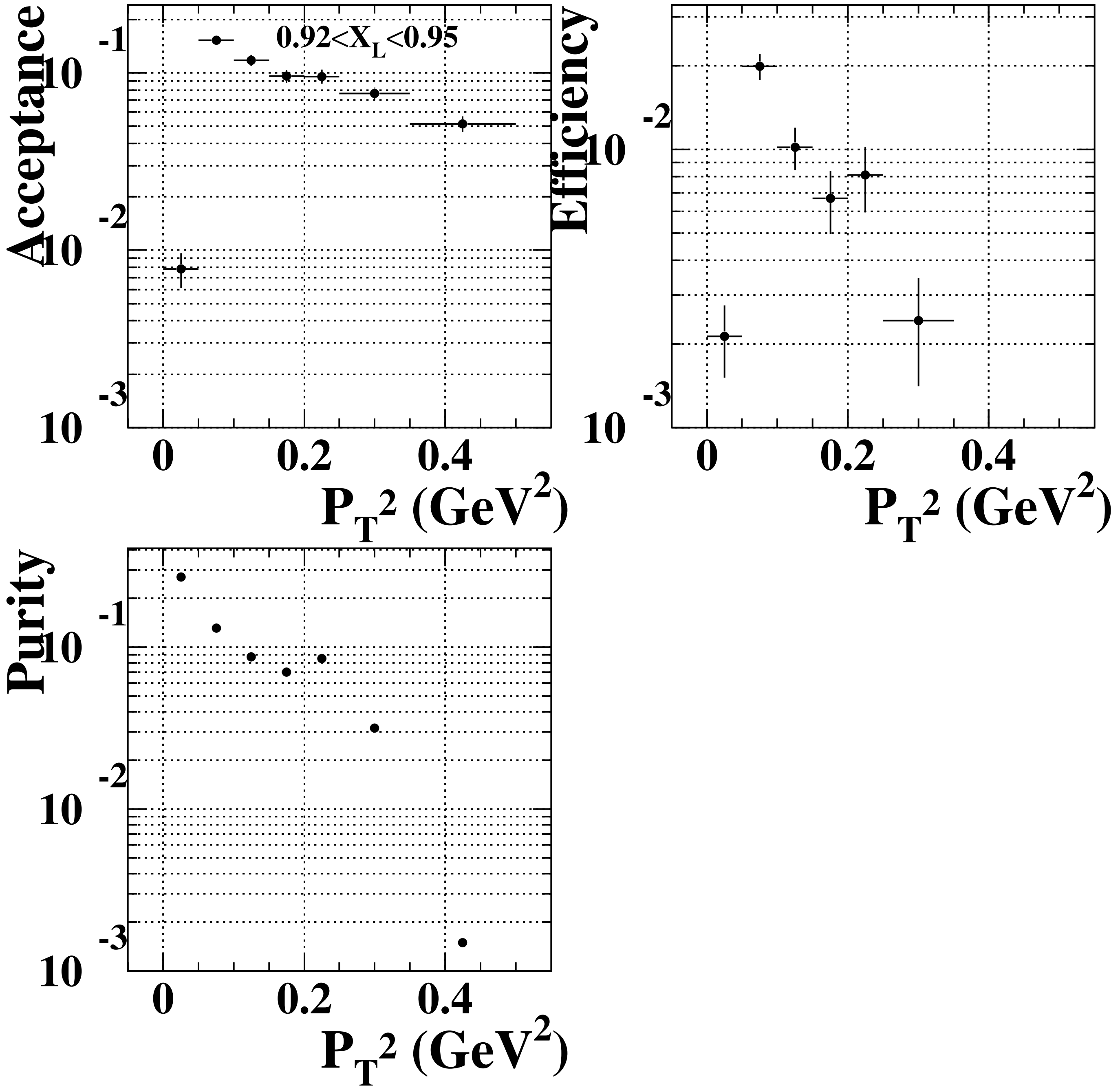


Acceptance
0.86<X_L<0.89
Efficiency
Purity
10^-1
10^-2
10^-3
0
0.2
0.4
P_T² (GeV²)

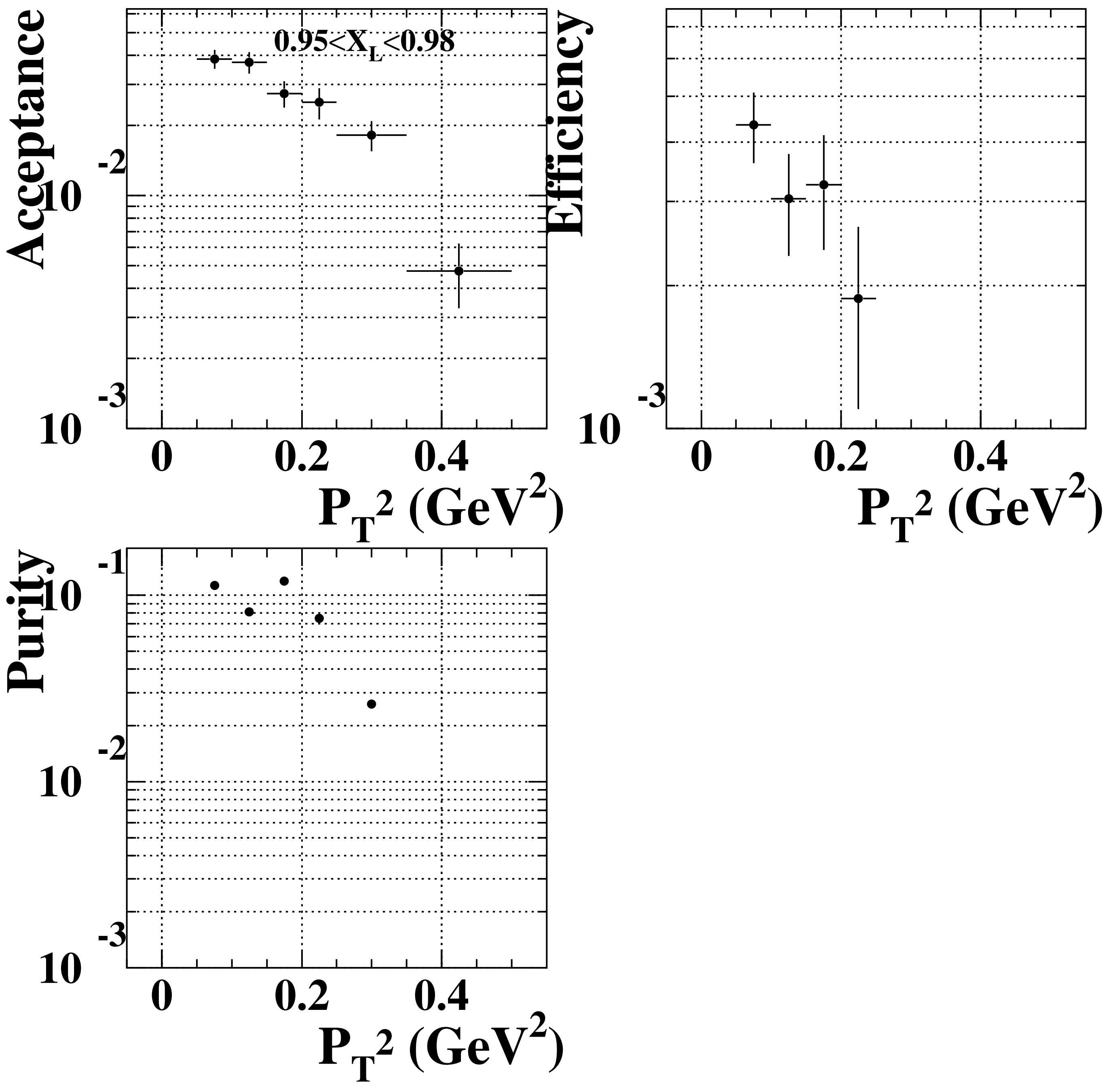
2006/10/30 13.23



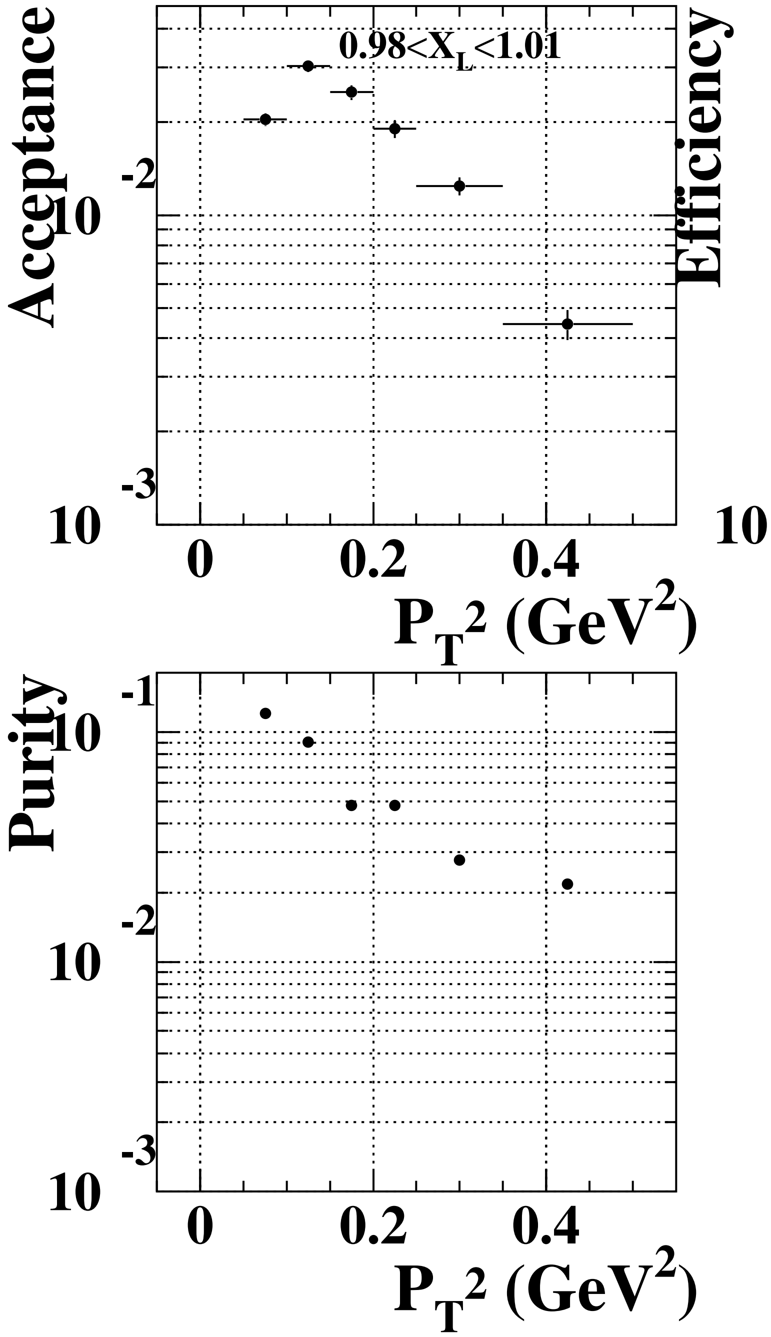
2006/10/30 13.23

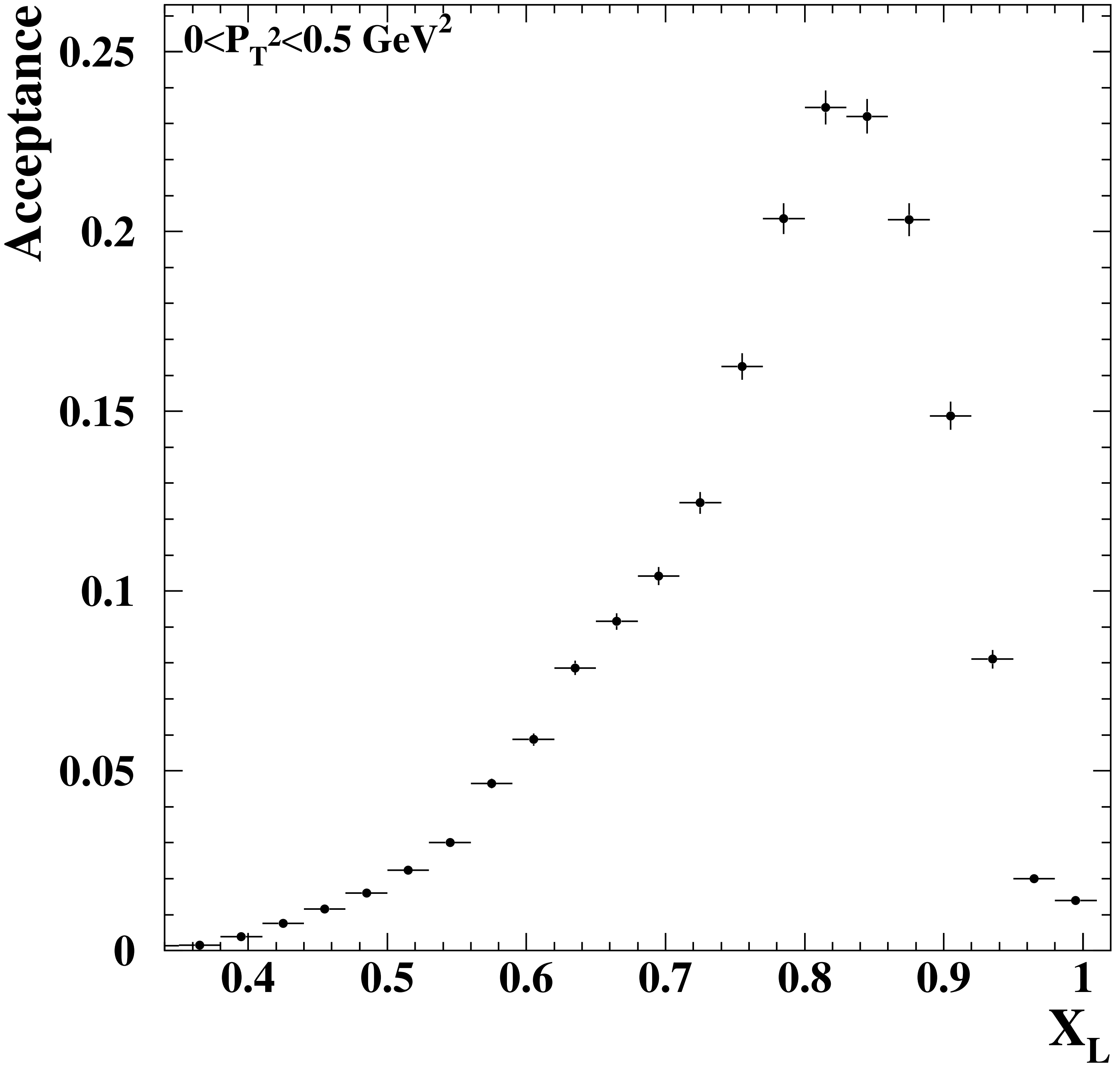


2006/10/30 13.23

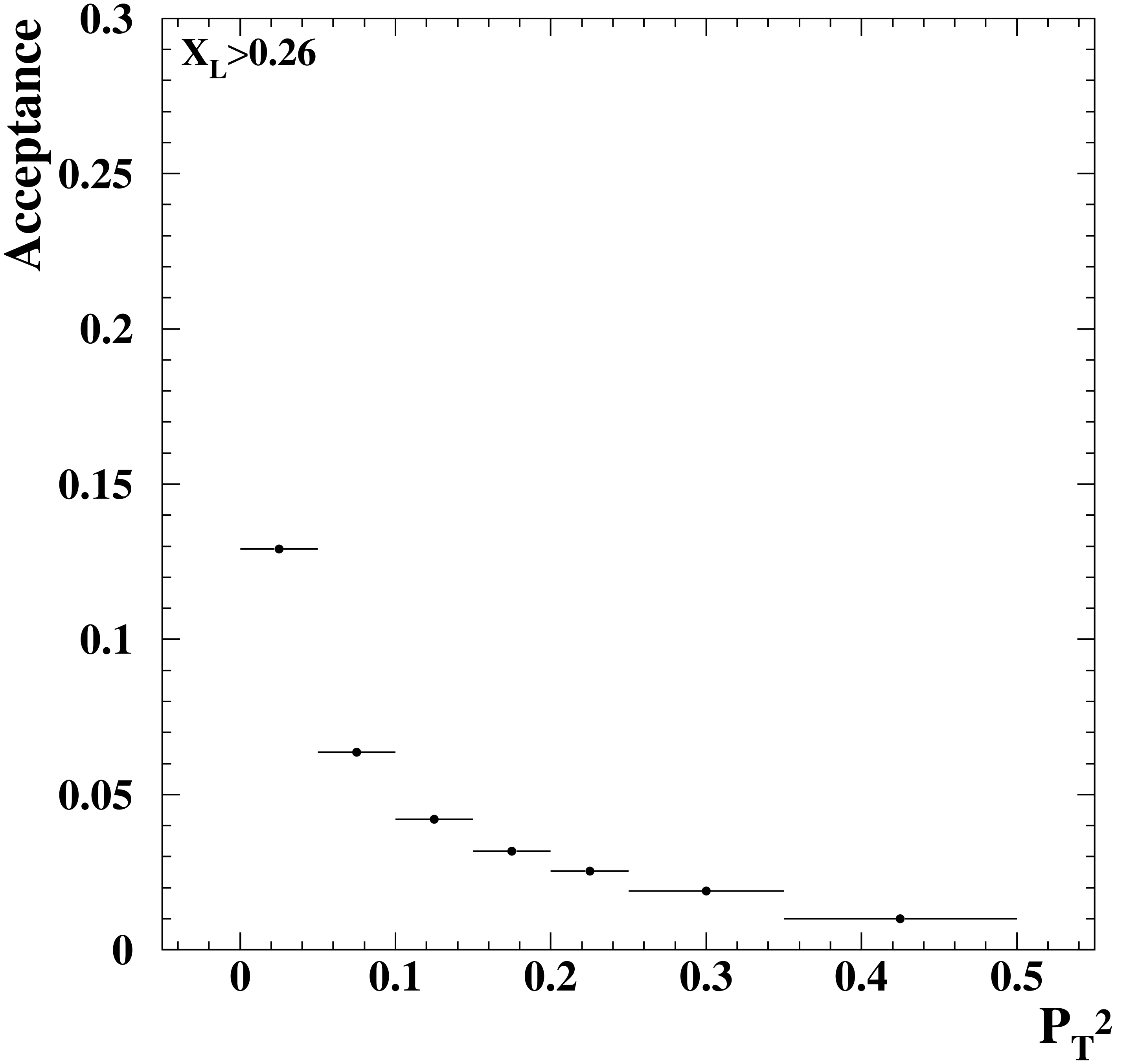


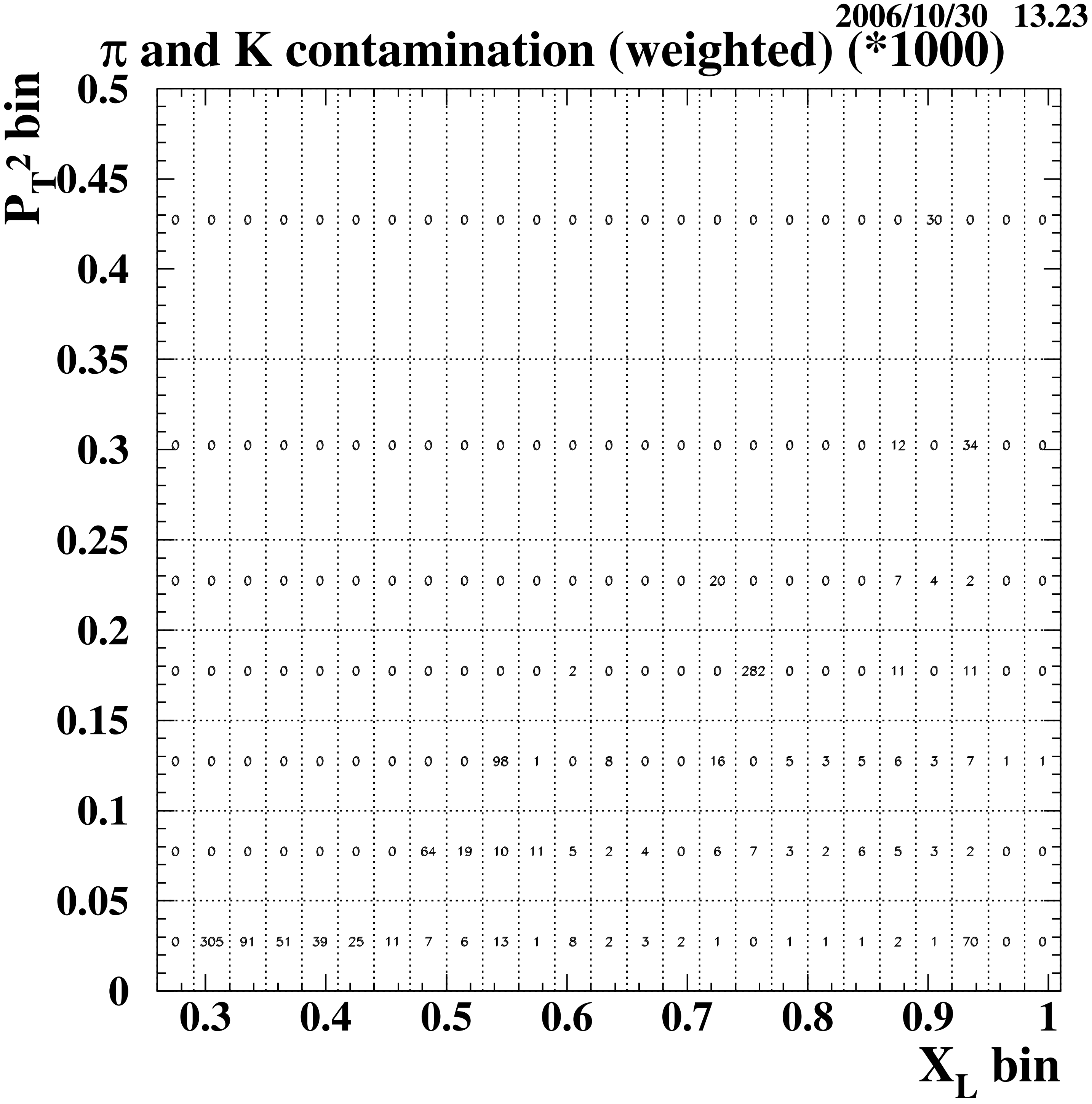
2006/10/30   13.23

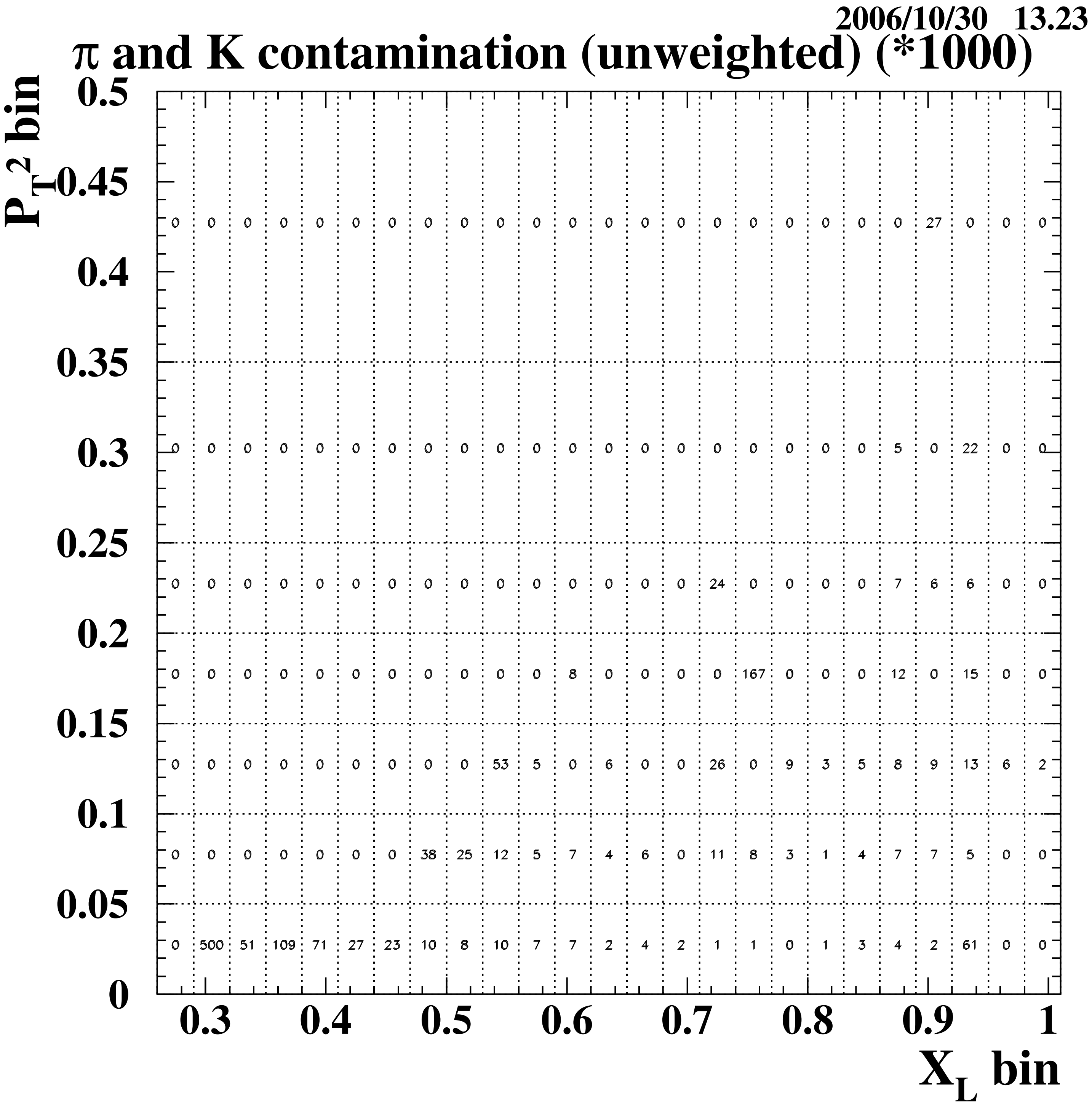


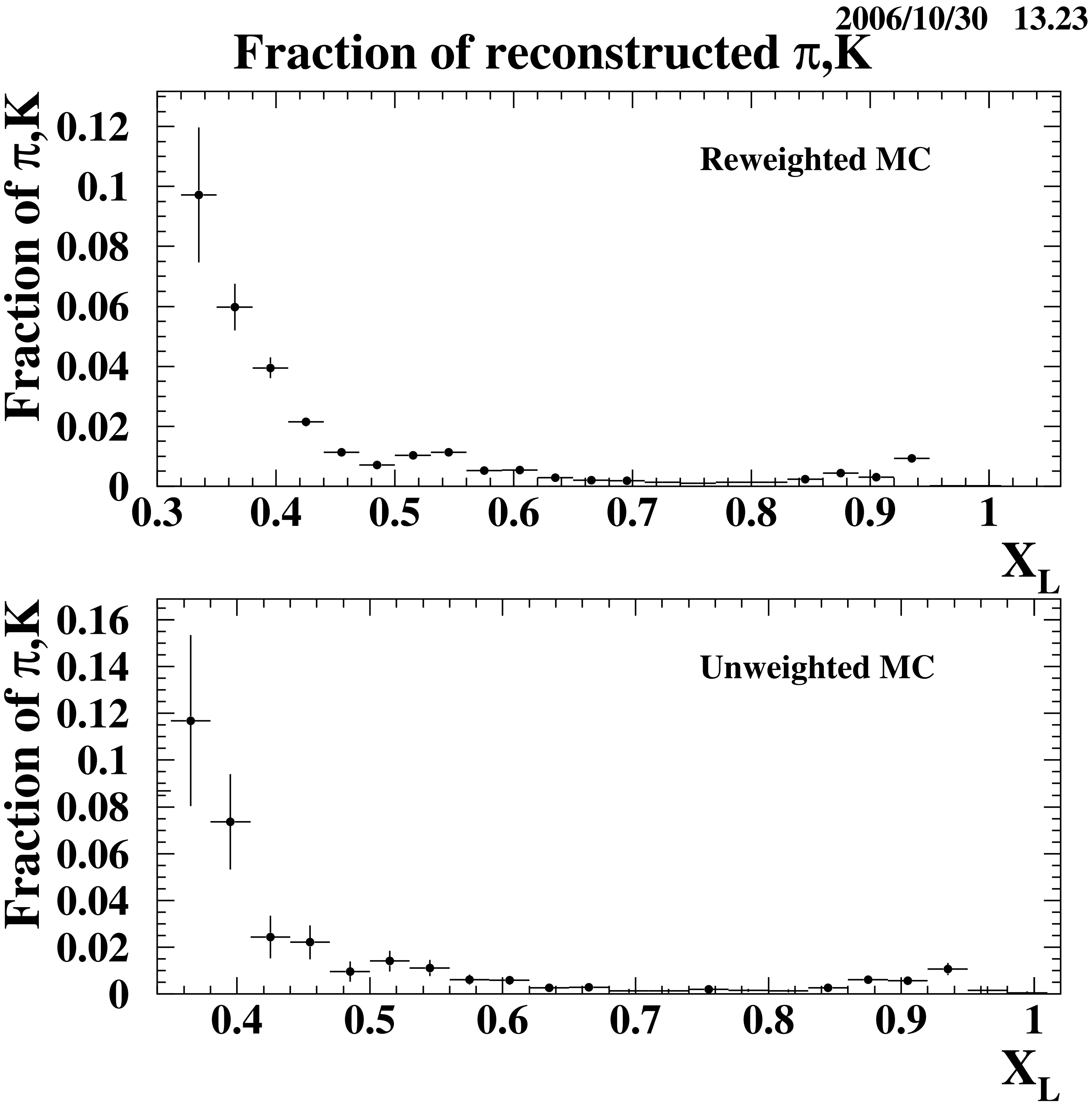

Acceptance
$0<P_T^2<0.5$ GeV^2
0.25
0.2
0.15
0.1
0.05
0
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L

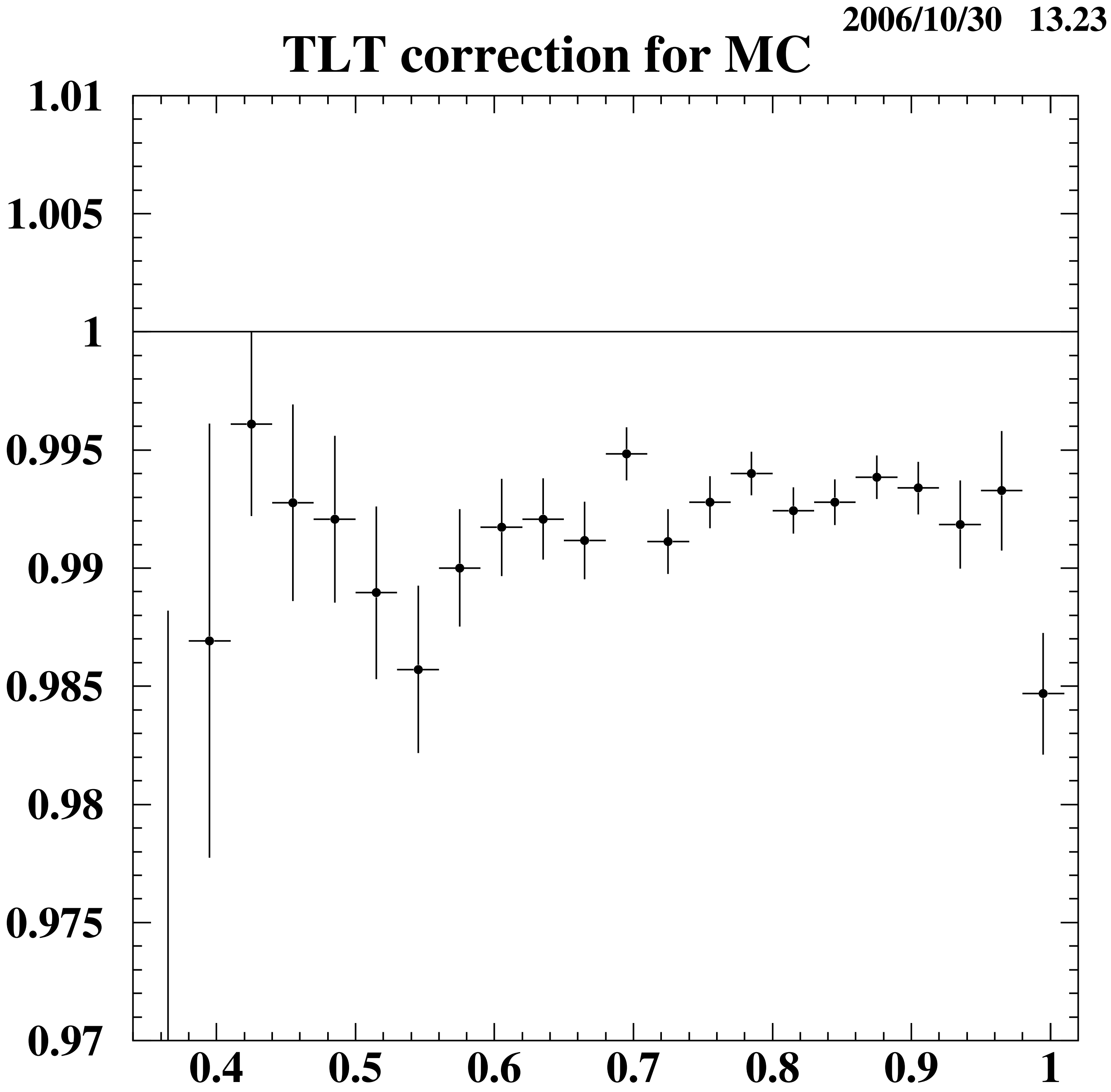
2006/10/30 13.23

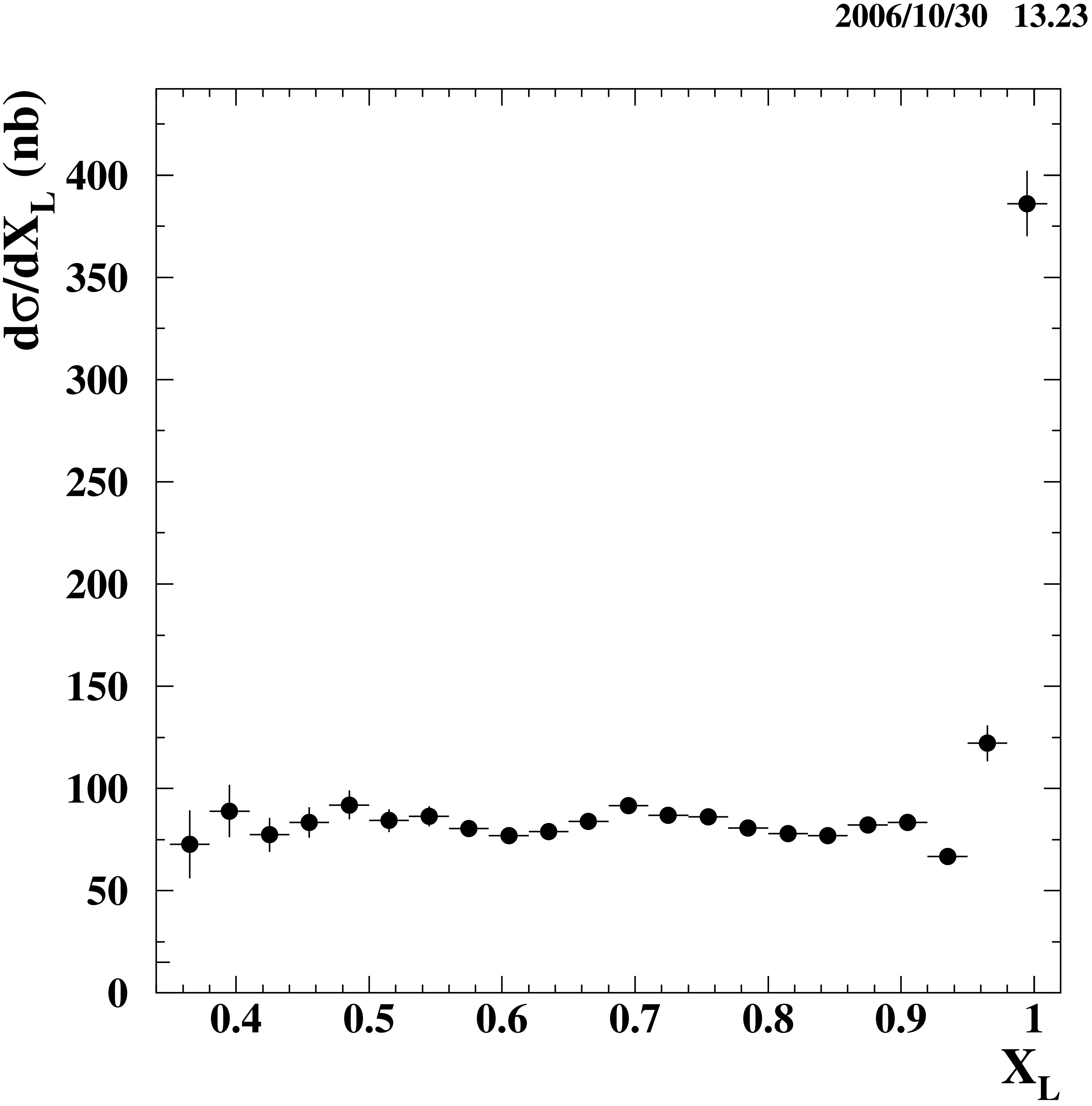


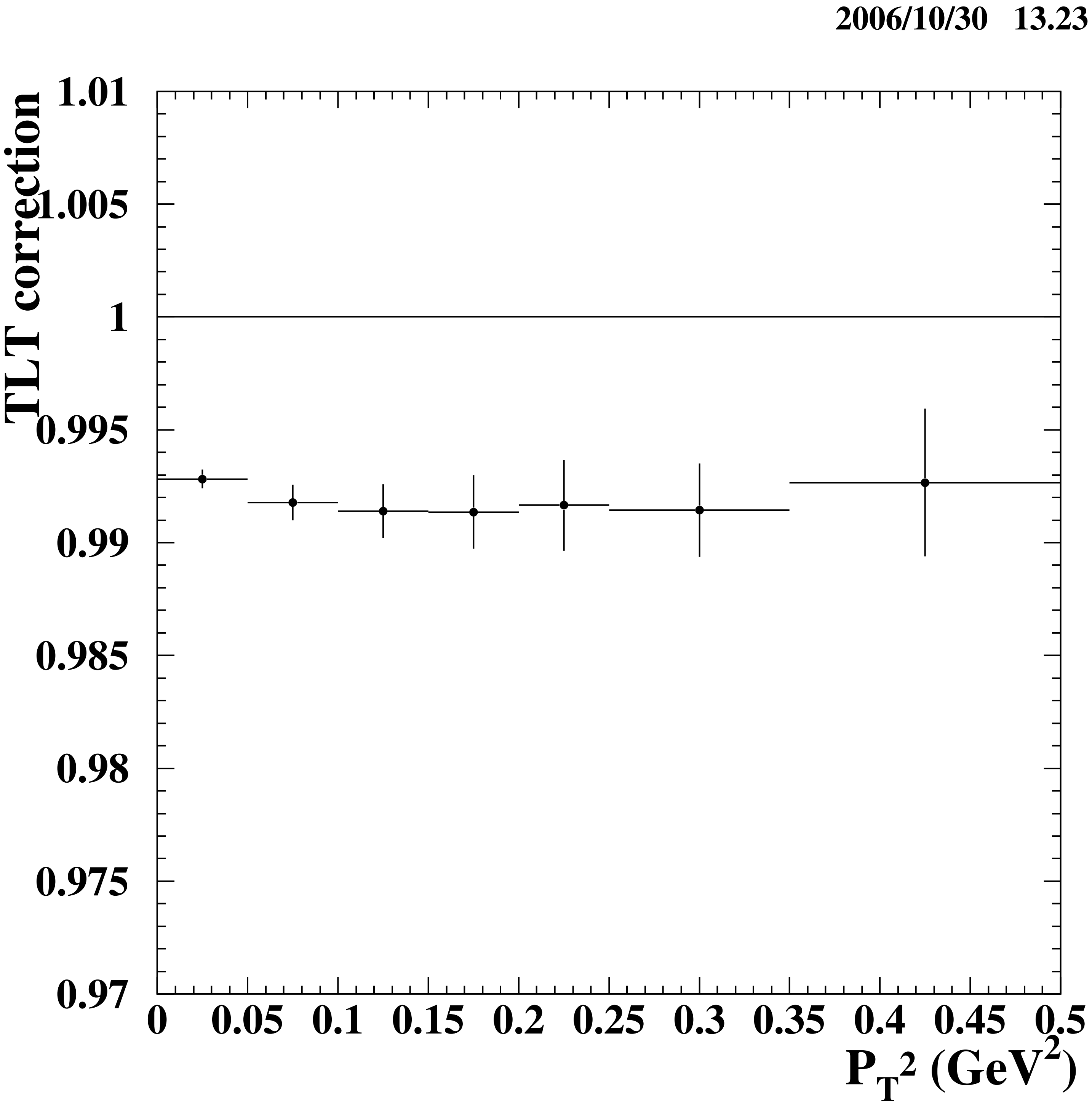

2006/10/30 13.23
π and K contamination (weighted) (*1000)
P_T^2 bin
X_L bin
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 30 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 12 0 34 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 0 0 0 0 7 4 2 0 0
0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 282 0 0 0 11 0 11 0 0
0 0 0 0 0 0 0 0 0 98 1 0 8 0 0 16 0 5 3 5 6 3 7 1 1
0 0 0 0 0 0 0 64 19 10 11 5 2 4 0 6 7 3 2 6 5 3 2 0 0
0 305 91 51 39 25 11 7 6 13 1 8 2 3 2 1 0 1 1 1 2 1 70 0 0

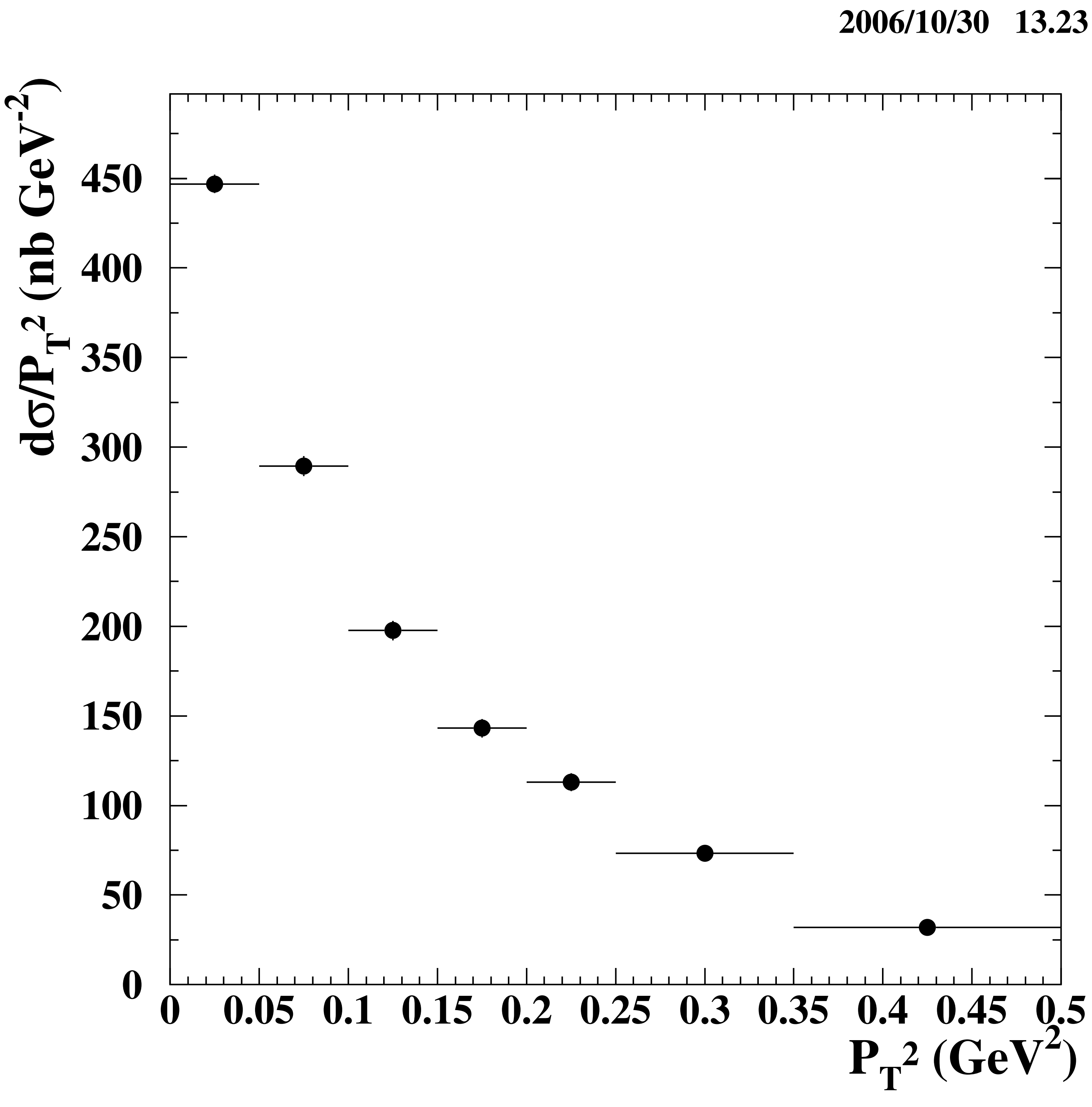

2006/10/30 13.23
π and K contamination (unweighted) (*1000)
P_T^2 bin
X_L bin
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 27 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 0 22 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 24 0 0 0 0 7 6 6 0 0
0 0 0 0 0 0 0 0 0 0 0 8 0 0 0 0 167 0 0 0 12 0 15 0 0
0 0 0 0 0 0 0 0 0 53 5 0 6 0 0 26 0 9 3 5 8 9 13 6 2
0 0 0 0 0 0 0 38 25 12 5 7 4 6 0 11 8 3 1 4 7 7 5 0 0
0 500 51 109 71 27 23 10 8 10 7 7 2 4 2 1 1 0 1 3 4 2 61 0 0

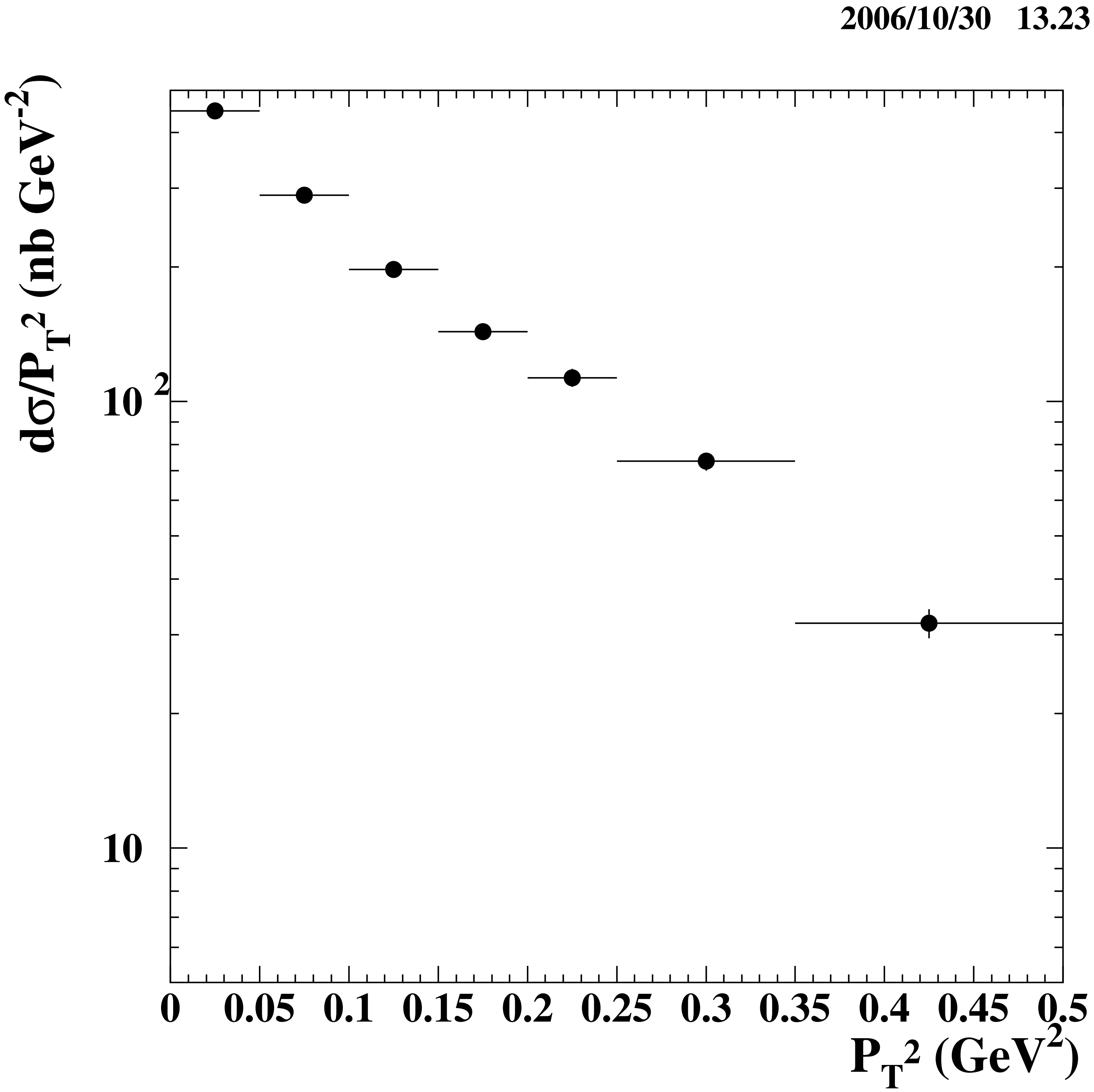

2006/10/30 13.23
Fraction of reconstructed π,K
Fraction of π,K
Reweighted MC
0.12
0.1
0.08
0.06
0.04
0.02
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L
Fraction of π,K
Unweighted MC
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L


2006/10/30 13.23
TLT correction for MC
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0.97
0.4
0.5
0.6
0.7
0.8
0.9
1

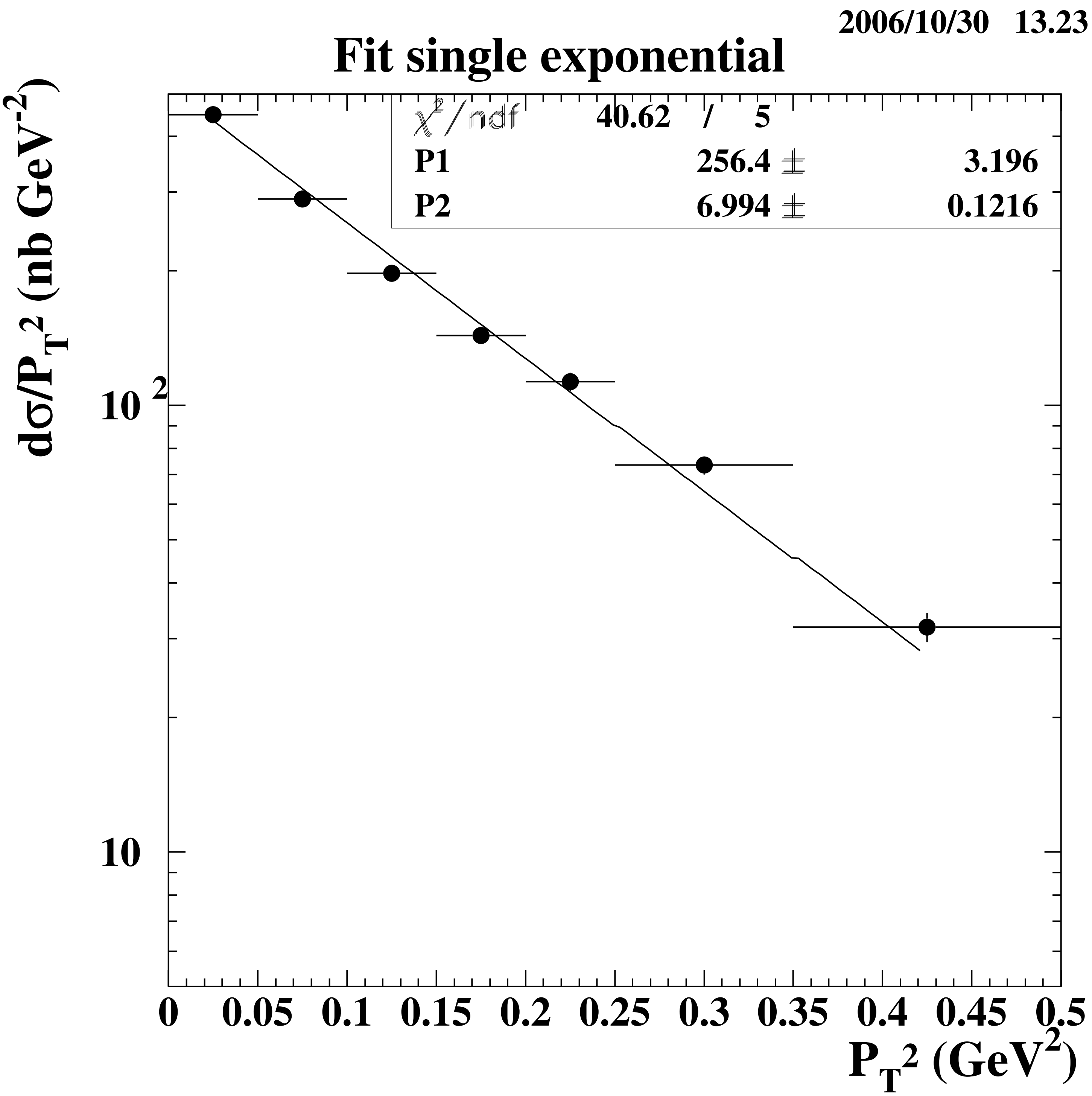

2006/10/30 13.23
$d\sigma/dX_L$ (nb)
0
50
100
150
200
250
300
350
400
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L

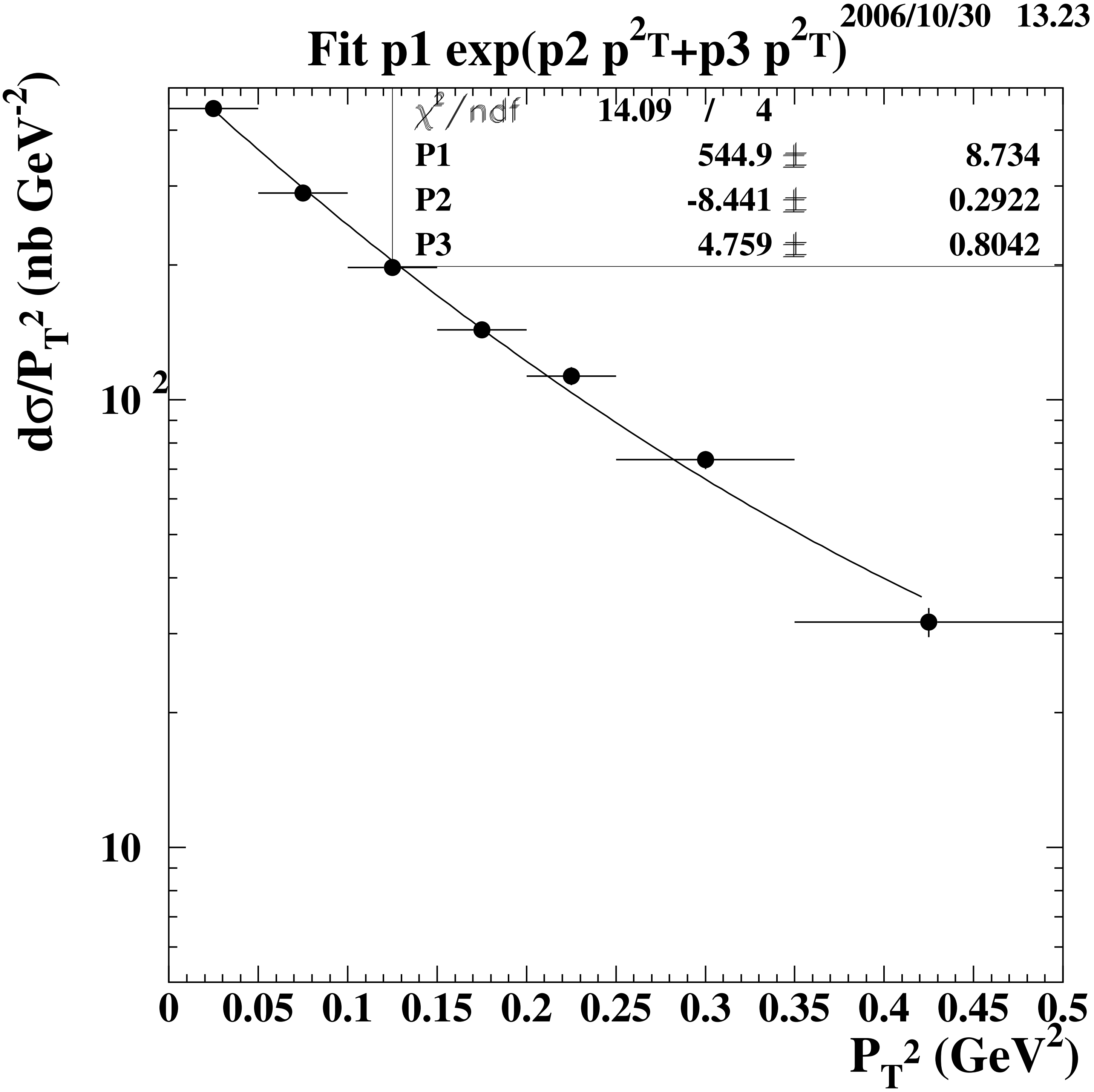

2006/10/30 13.23
TLT correction
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0.97
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)


2006/10/30 13.23
dσ/P_T^2 (nb GeV^-2)
450
400
350
300
250
200
150
100
50
0
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)

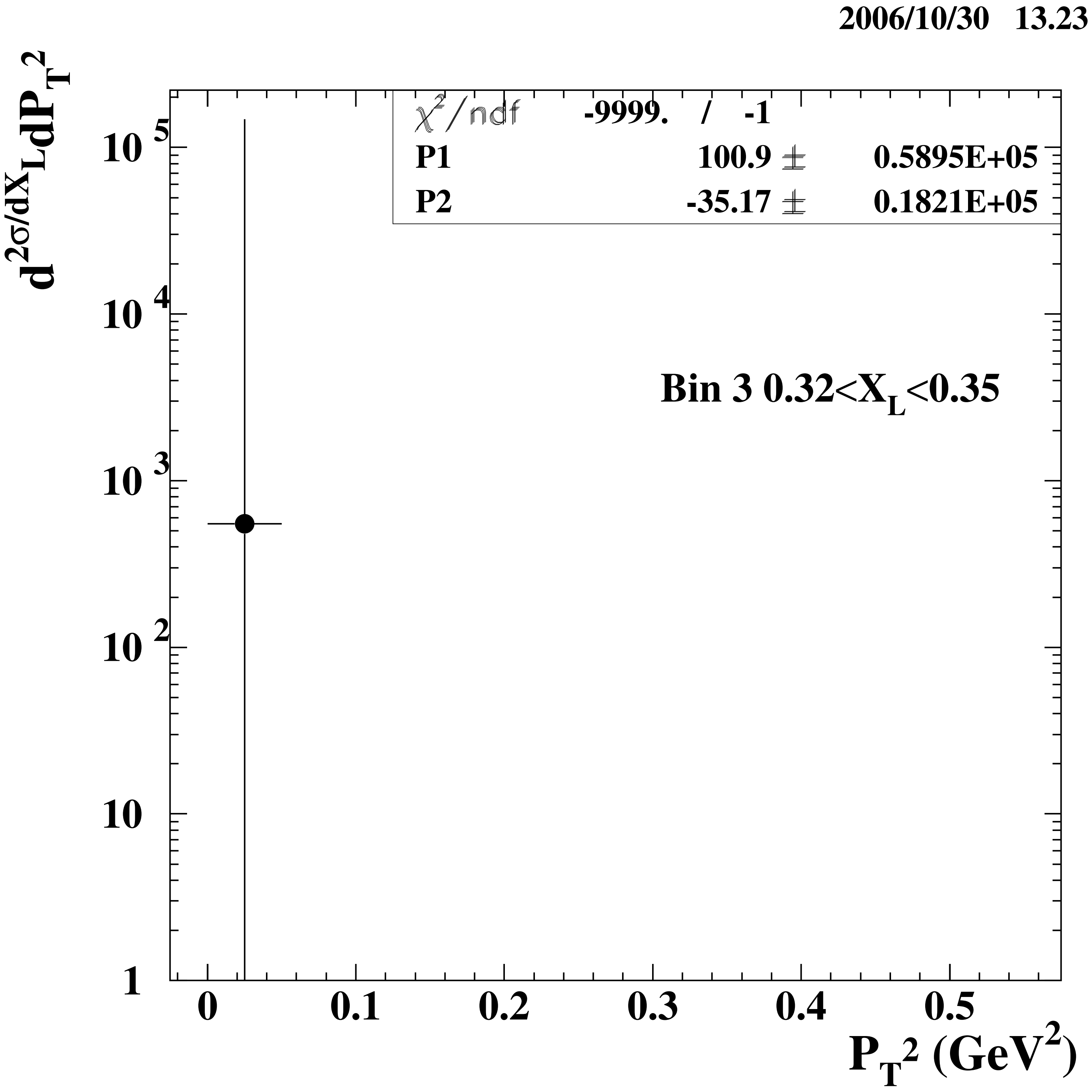


2006/10/30 13.23
dσ/P_T^2 (nb GeV^-2)
10^2
10
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)


2006/10/30 13.23
Fit single exponential
χ^2 / ndf 40.62 / 5
P1 256.4 ± 3.196
P2 6.994 ± 0.1216
$d\sigma/P_T^2$ (nb GeV^{-2})
10
10^2
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)

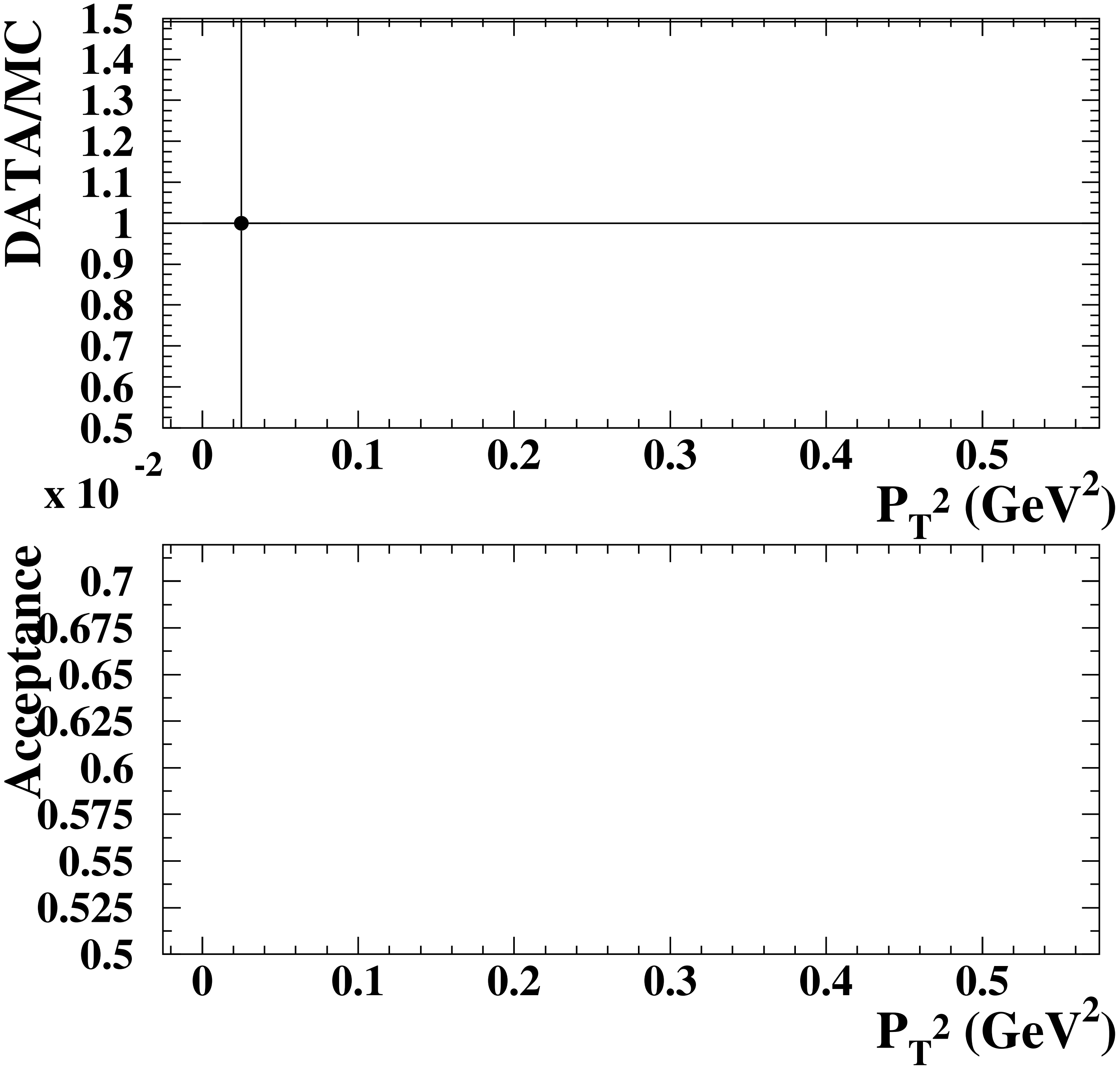


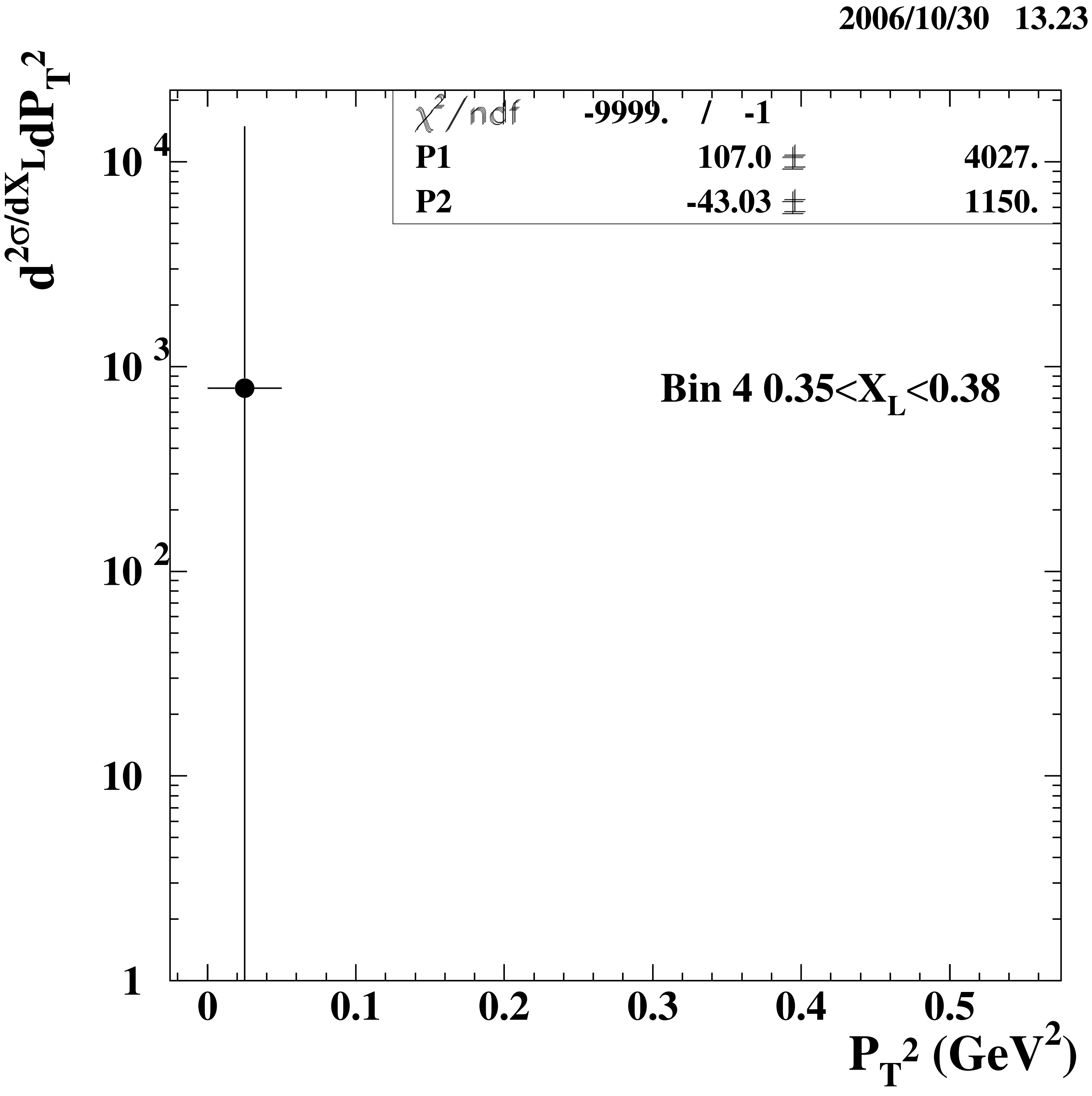
2006/10/30 13.23
Fit p1 exp(p2 p2T+p3 p2T)
χ2/ndf 14.09 / 4
P1 544.9 ± 8.734
P2 -8.441 ± 0.2922
P3 4.759 ± 0.8042
dσ/PT2 (nb GeV-2)
10 2
10
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
PT2 (GeV2)



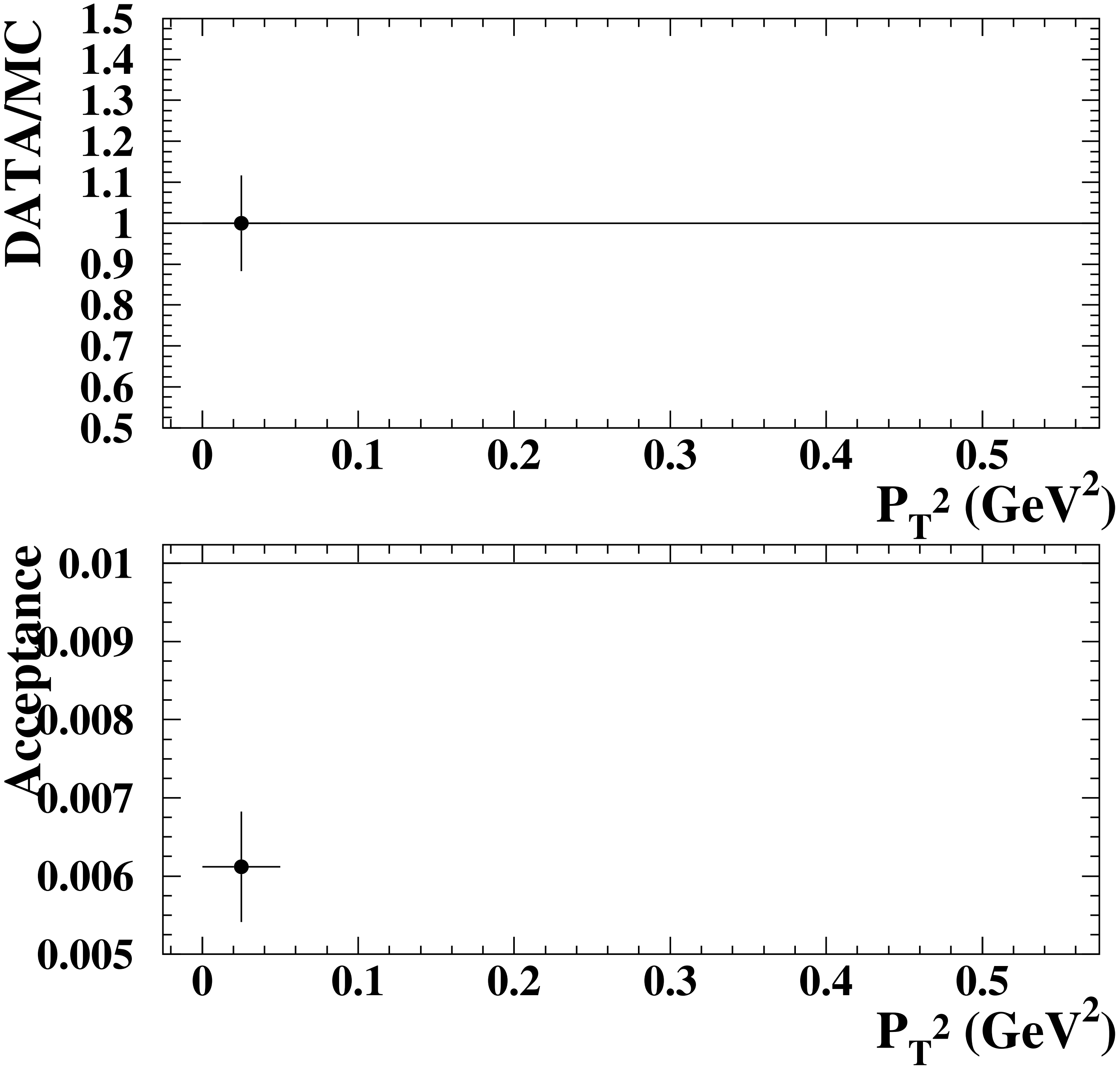
2006/10/30 13.23
χ²/ndf -9999. / -1
P1 100.9 ± 0.5895E+05
P2 -35.17 ± 0.1821E+05
Bin 3 0.32<X_L<0.35
d²σ/dX_L dP_T²
P_T² (GeV²)
1
10
10²
10³
10⁴
10⁵
0
0.1
0.2
0.3
0.4
0.5

2006/10/30 13.23

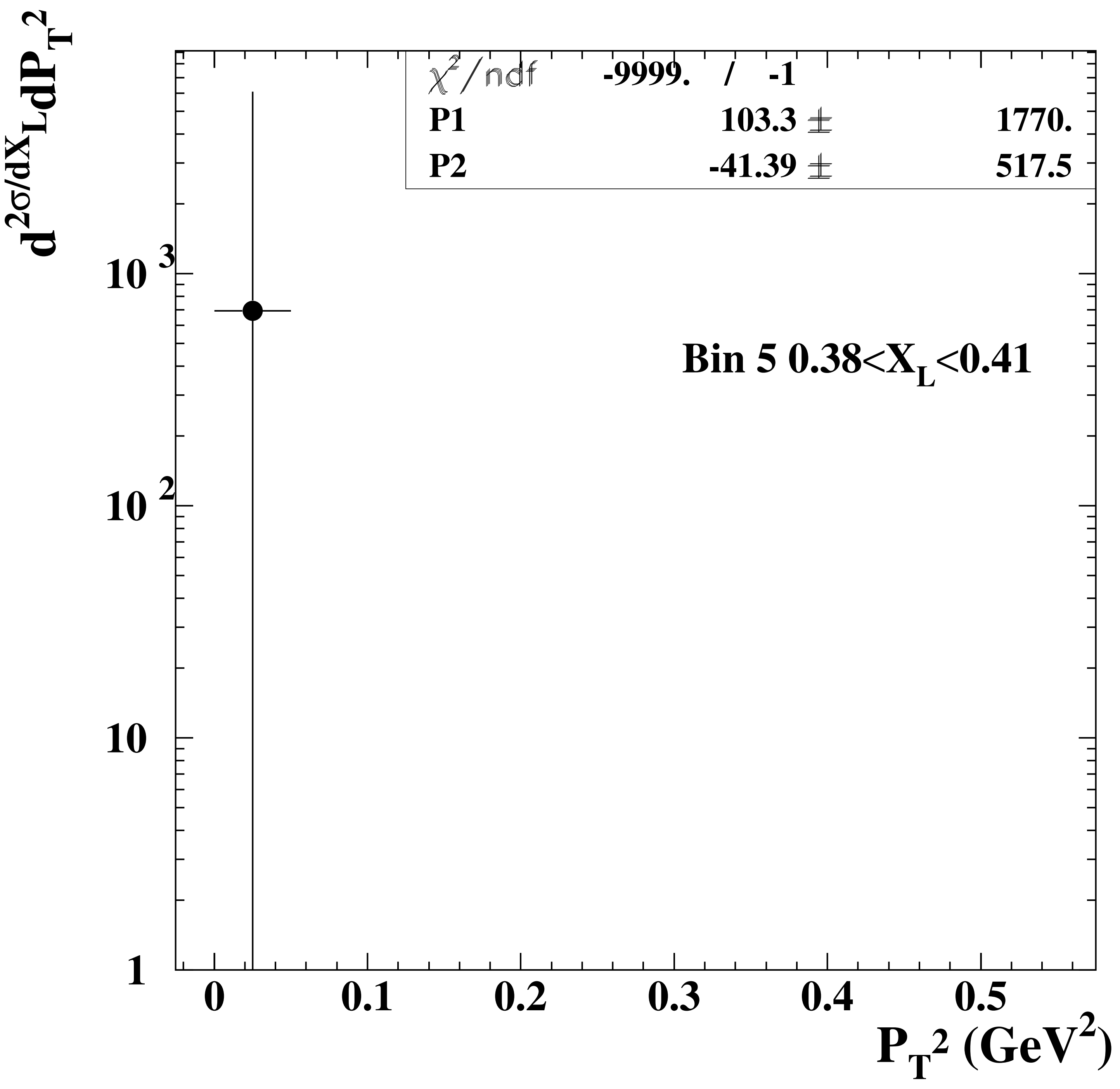



2006/10/30 13.23
χ^2/ndf -9999. / -1
P1 107.0 ± 4027.
P2 -43.03 ± 1150.
Bin 4 0.35<X_L<0.38
$d^2\sigma/dX_L dP_T^2$
P_T^2 (GeV^2)
1
10
10^2
10^3
10^4
0
0.1
0.2
0.3
0.4
0.5

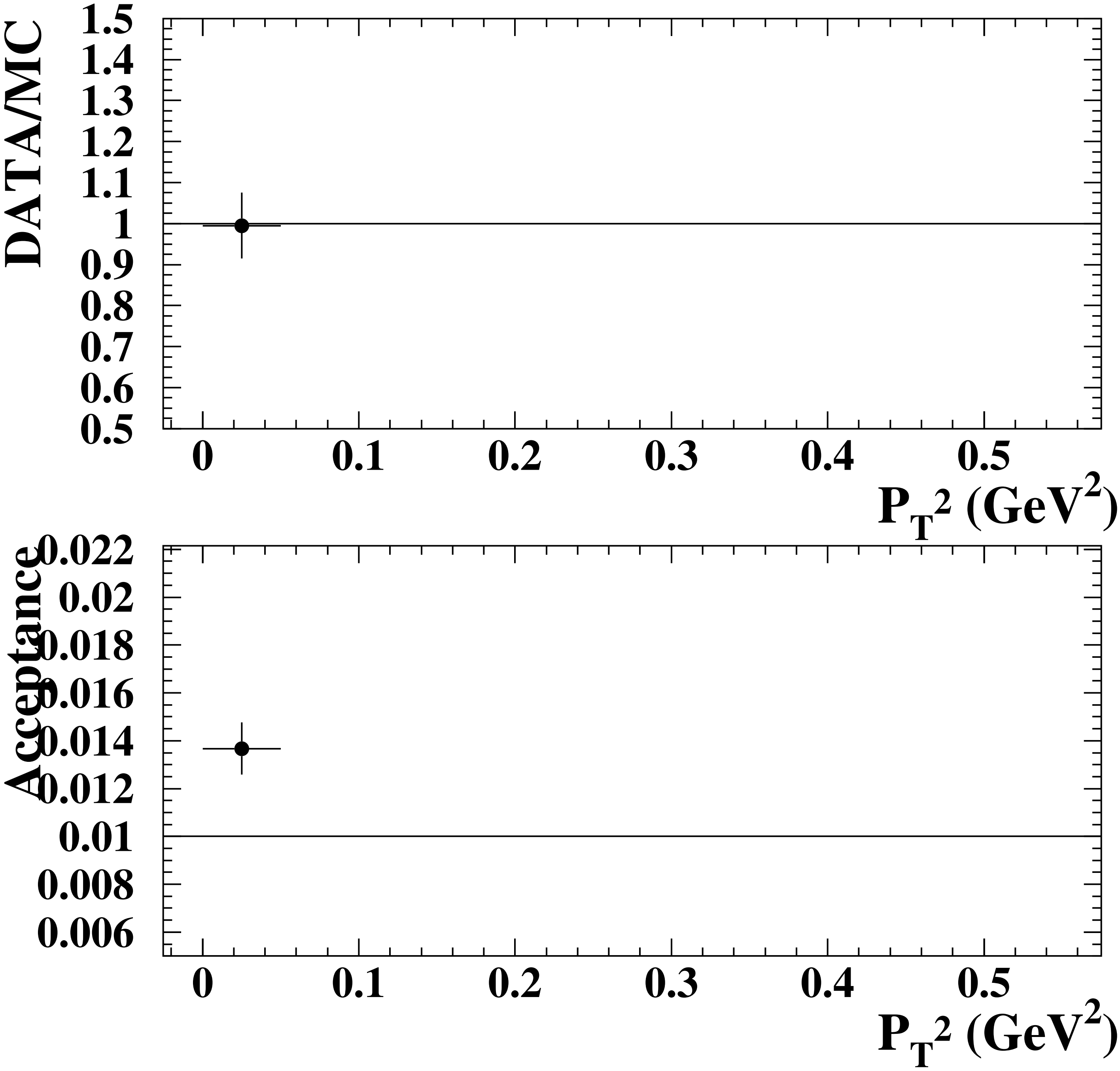
2006/10/30   13.23



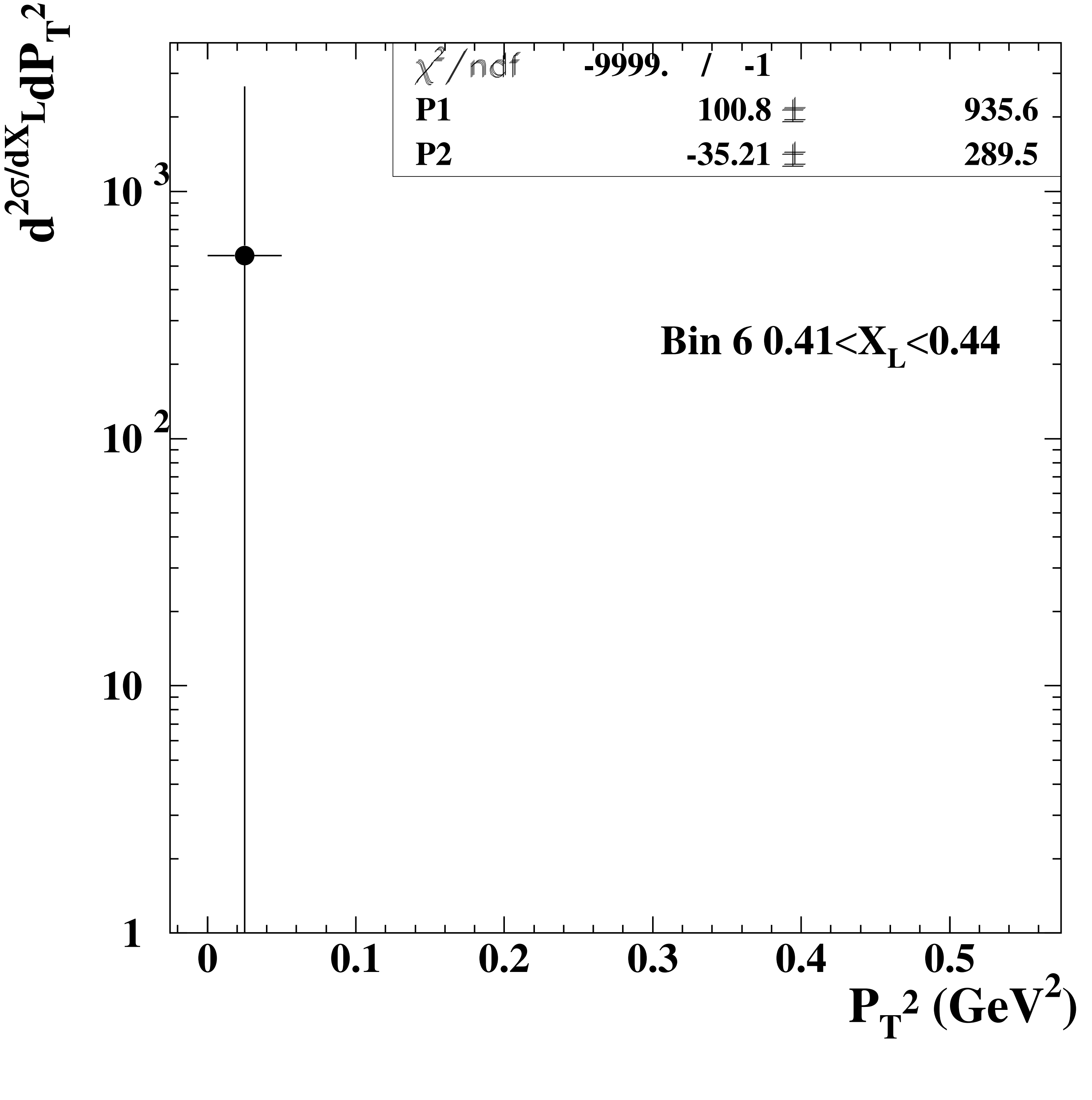
2006/10/30 13.23

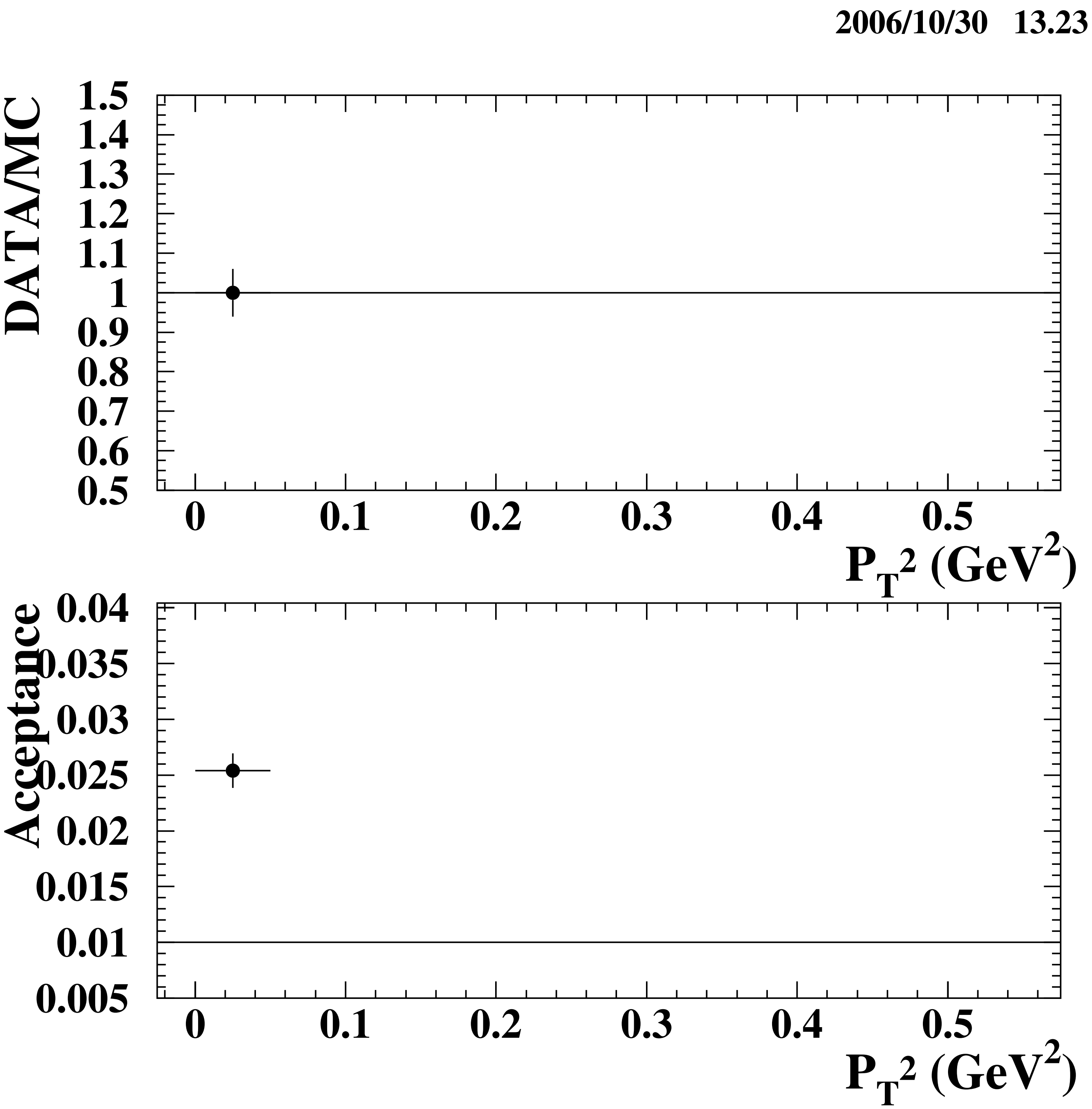


2006/10/30 13.23

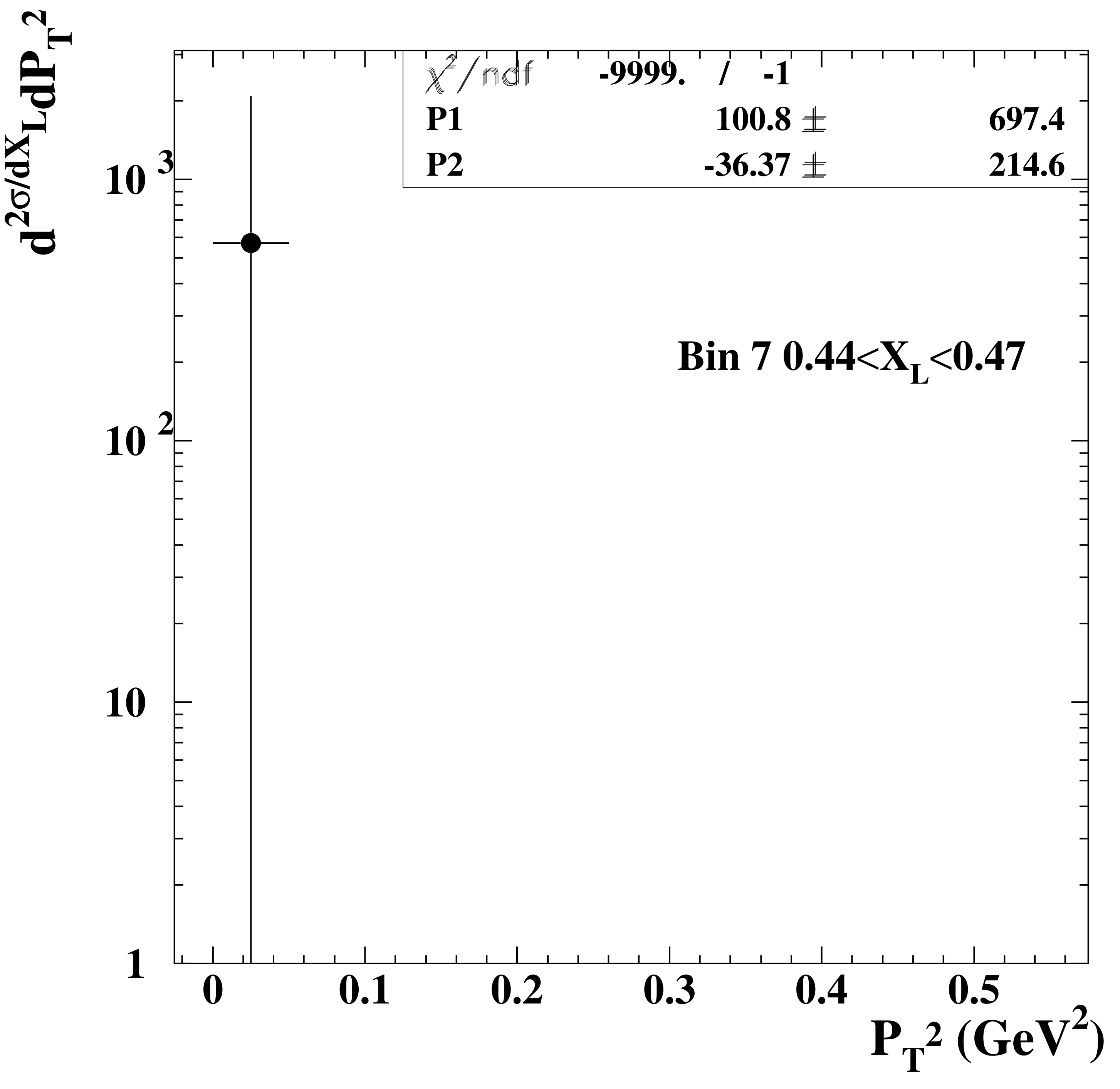


2006/10/30 13.23

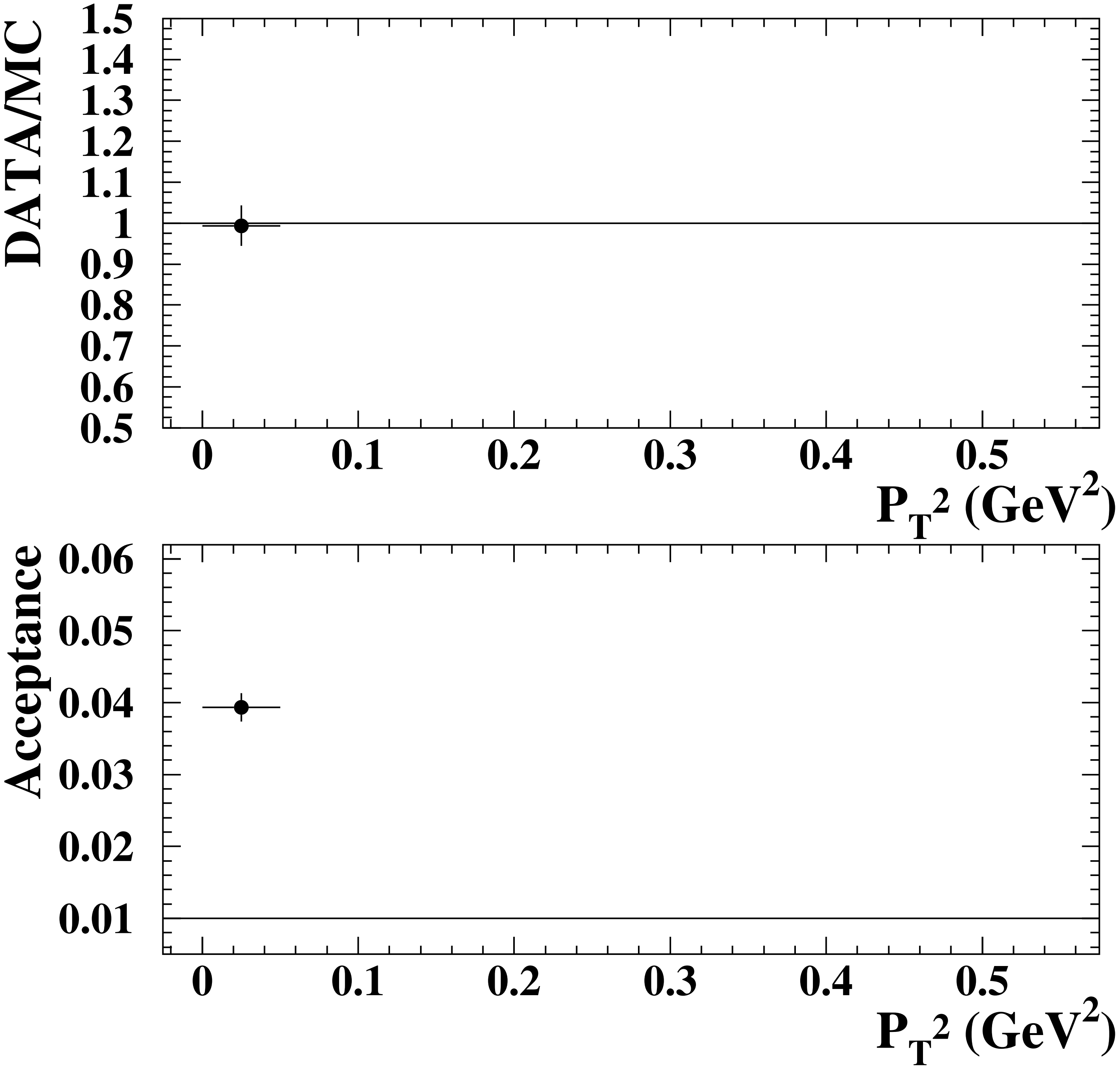



2006/10/30 13.23
DATA/MC
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)
Acceptance
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

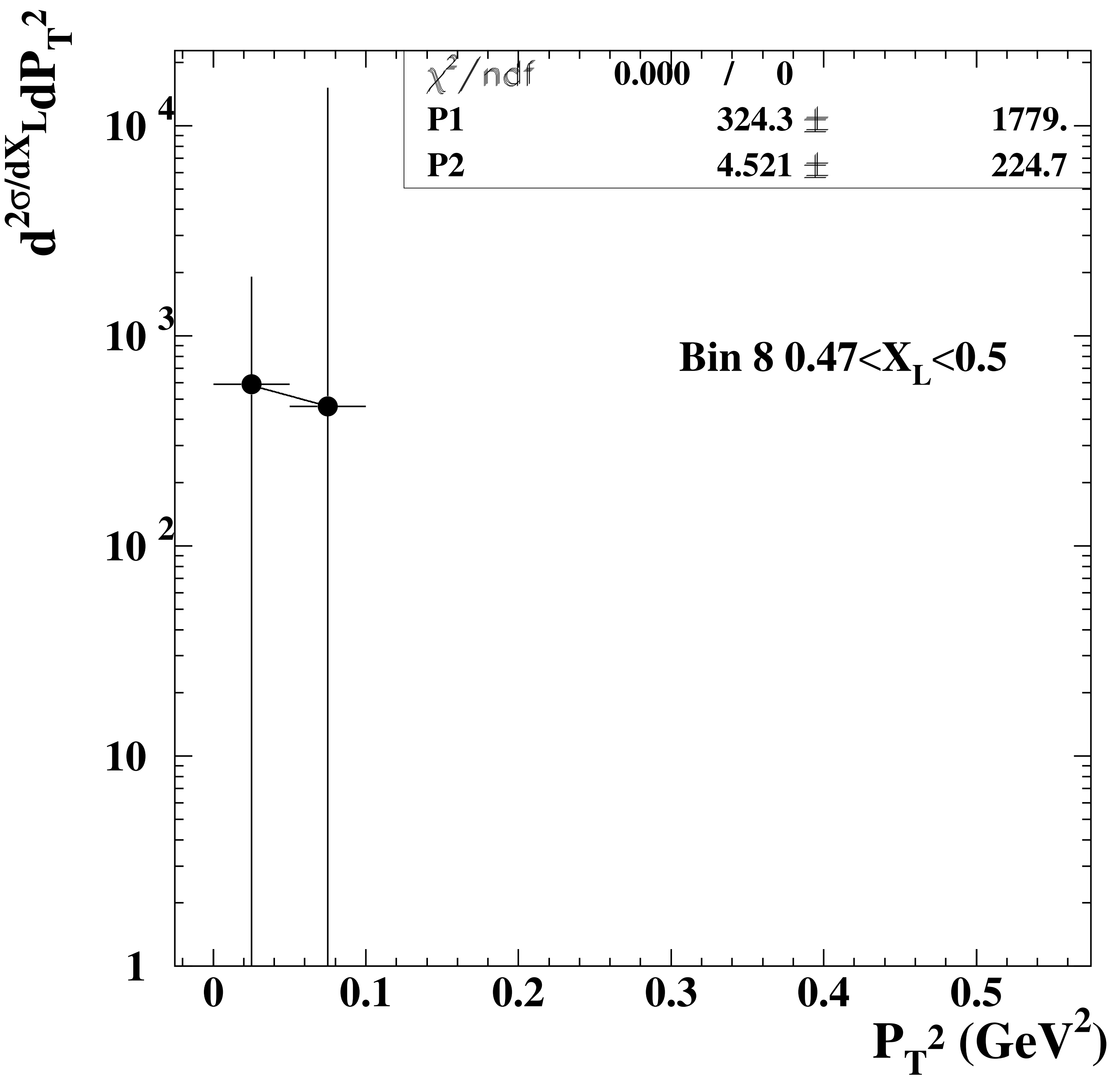
2006/10/30 13.23



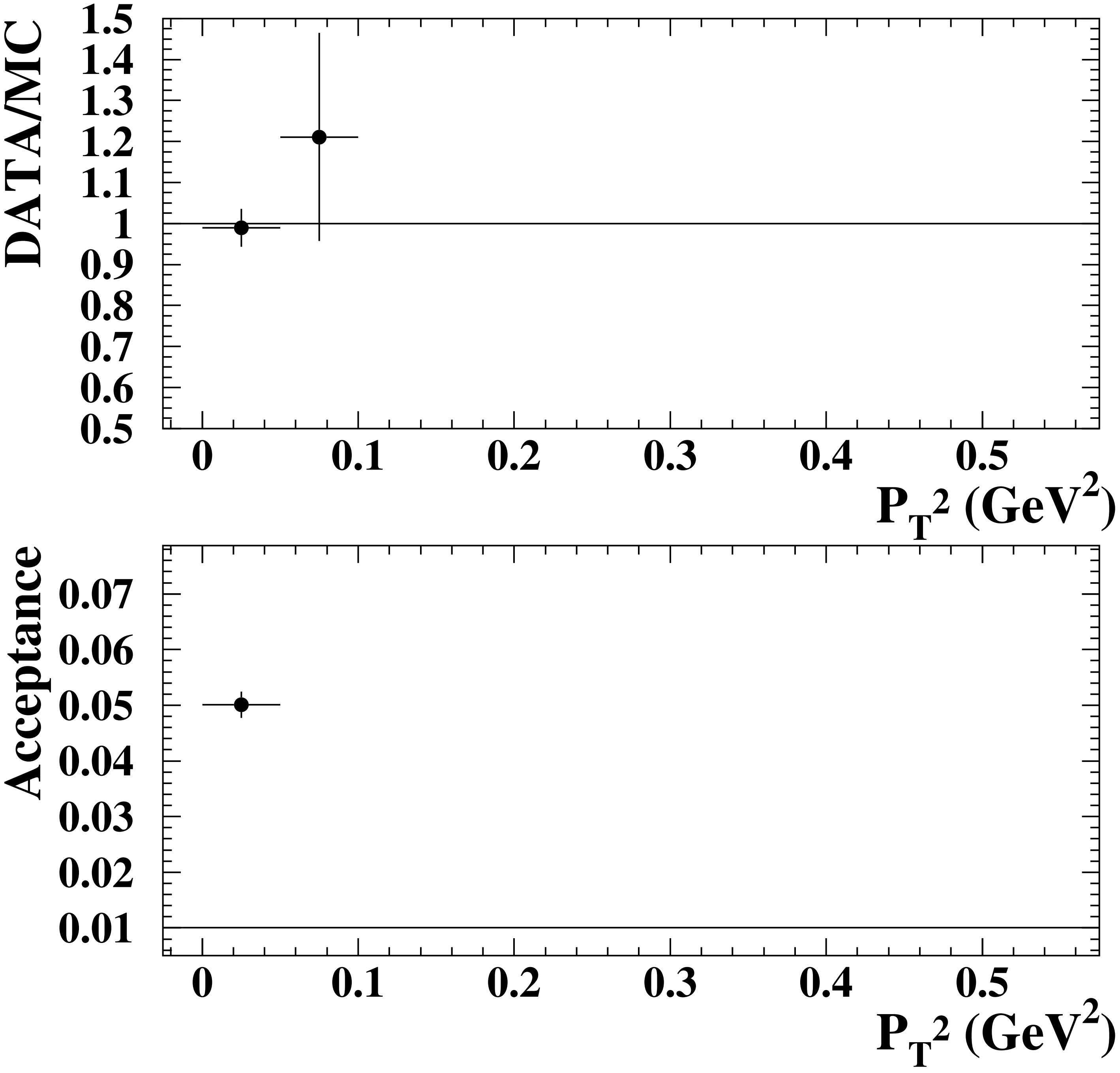
2006/10/30 13.23

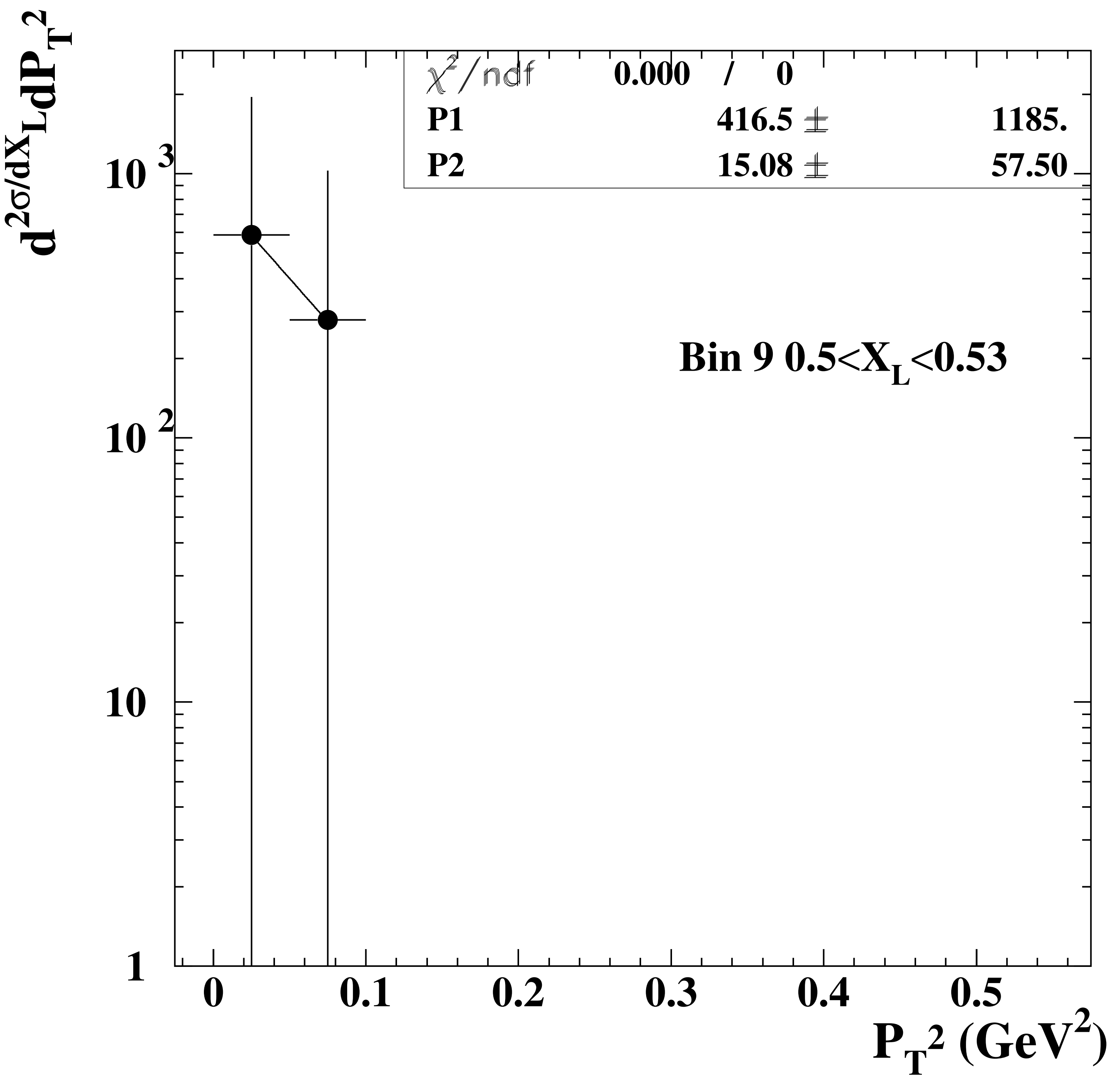


2006/10/30 13.23



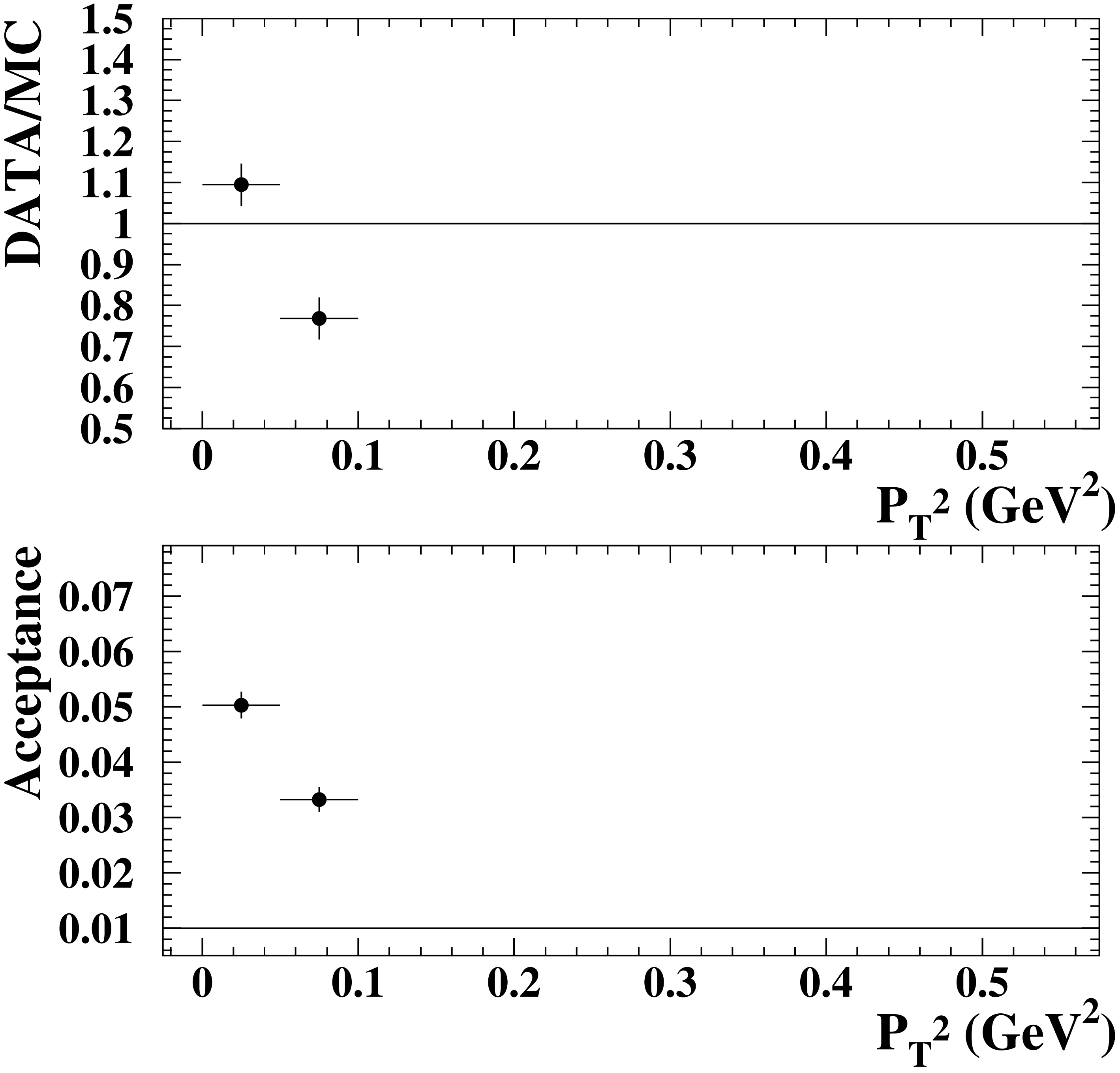
2006/10/30 13.23



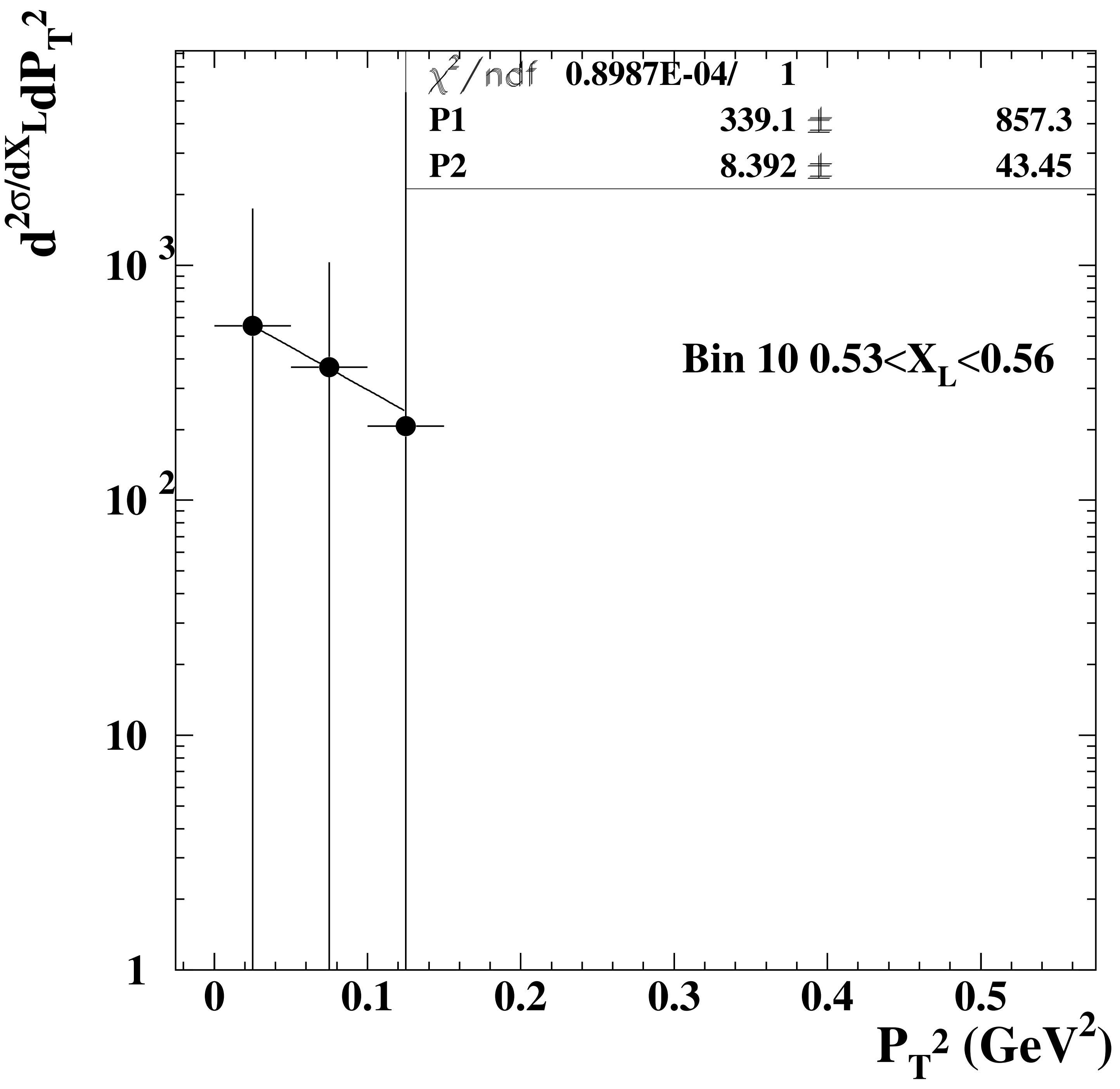


χ^2/ndf 0.000 / 0
P1 416.5 ± 1185.
P2 15.08 ± 57.50
Bin 9 0.5<X$_L$<0.53
$d^{2}\sigma/dX_L dP_T^2$
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

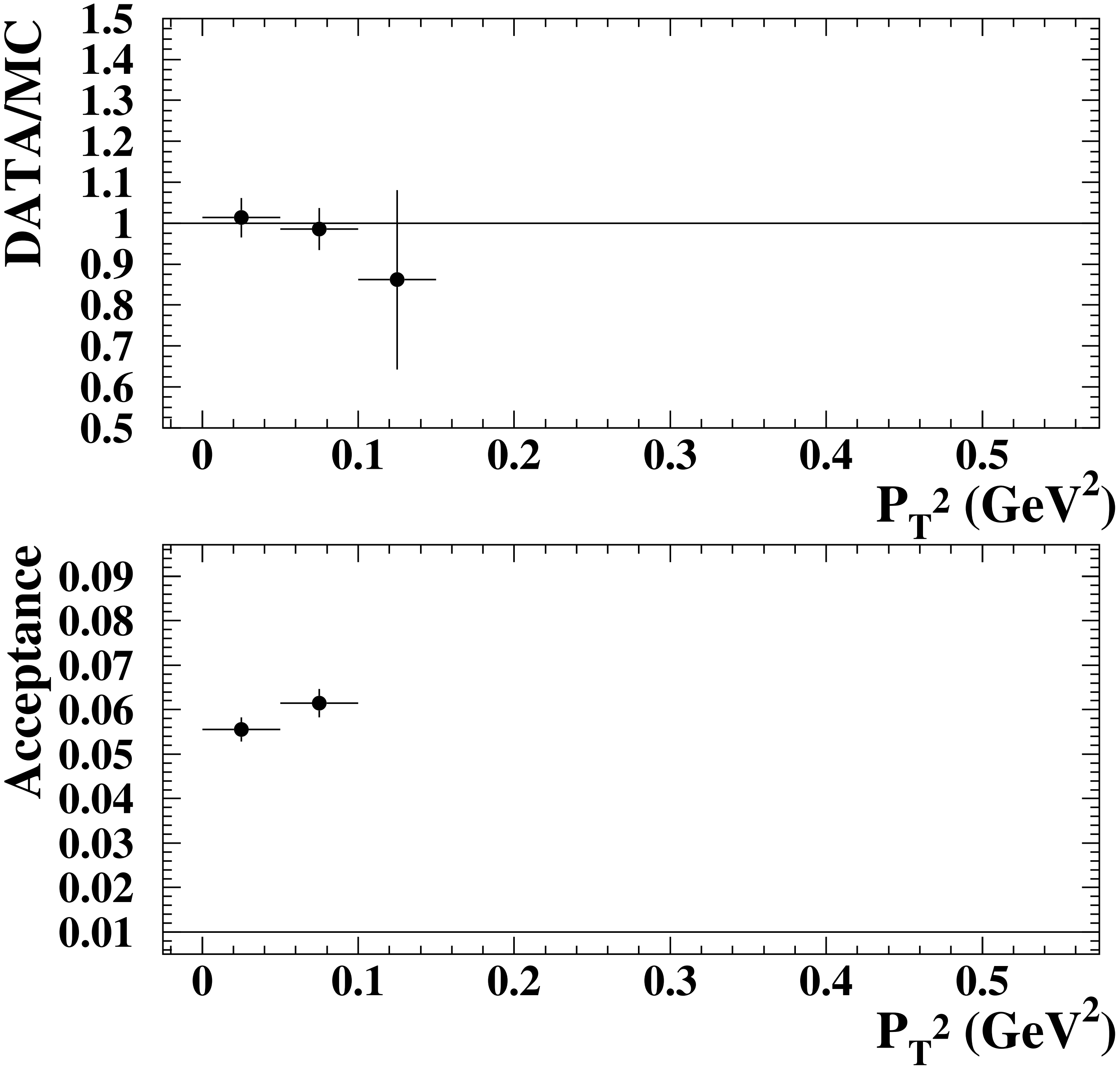
2006/10/30 13.23



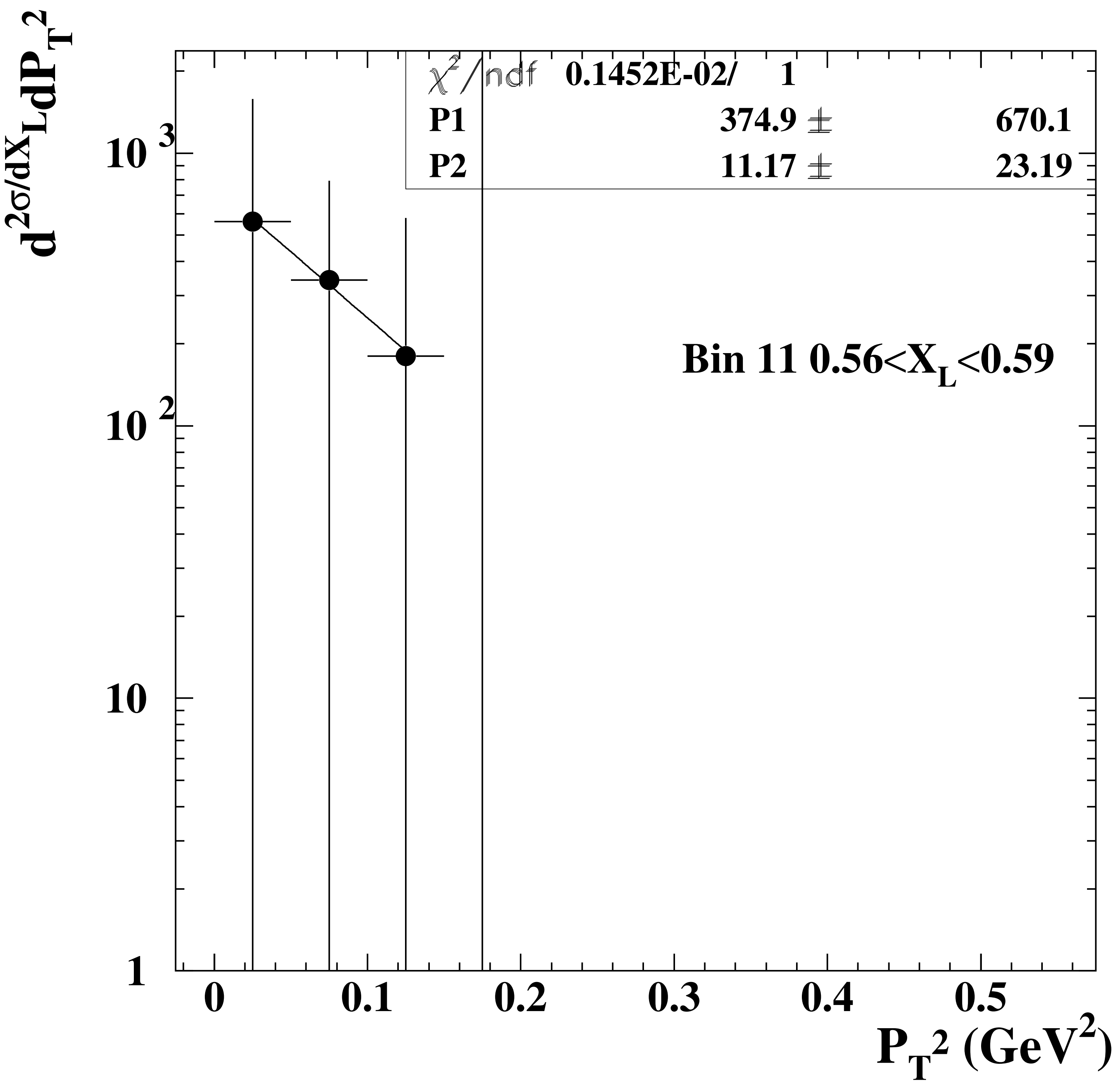
2006/10/30 13.23



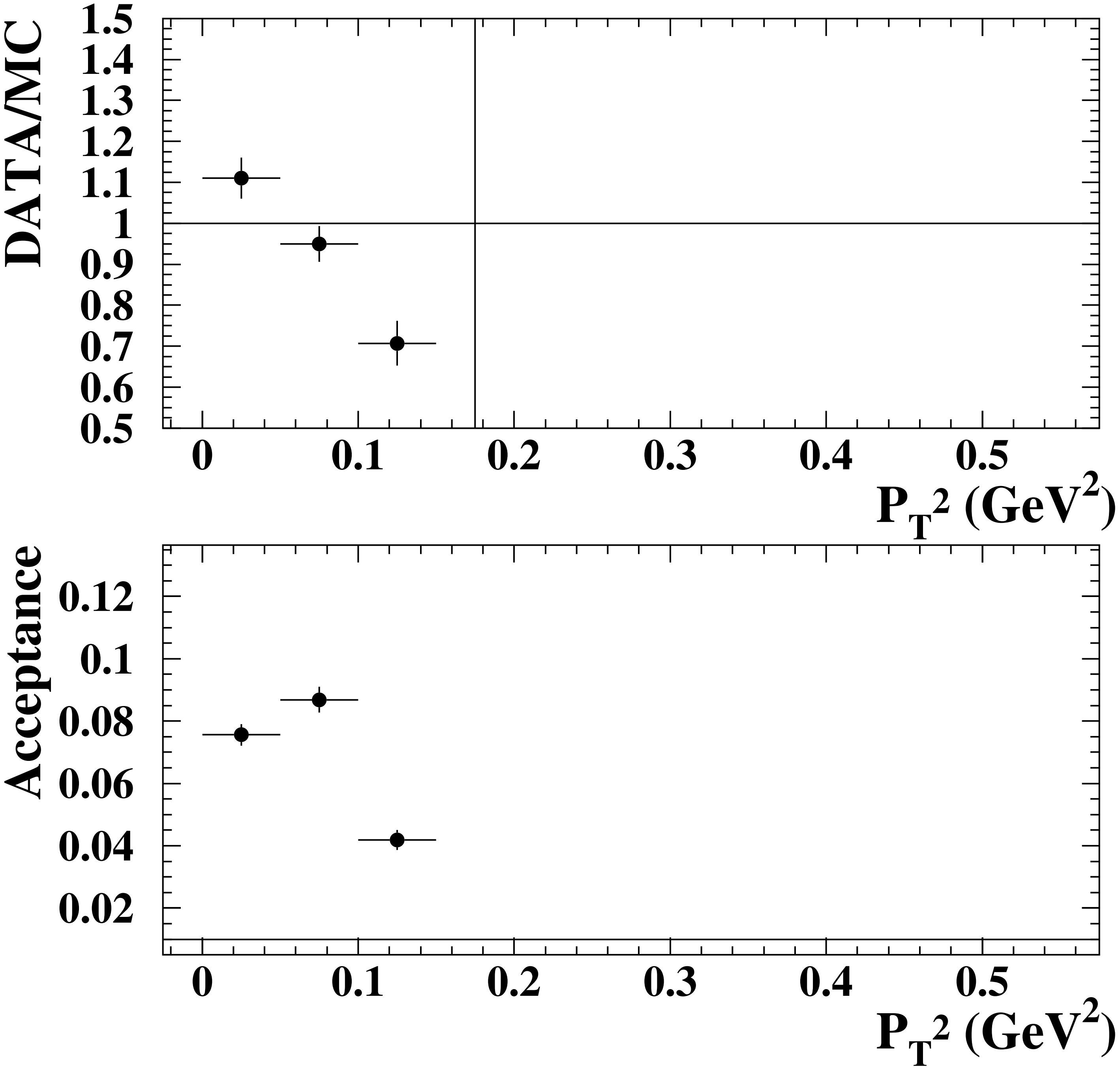
2006/10/30 13.23



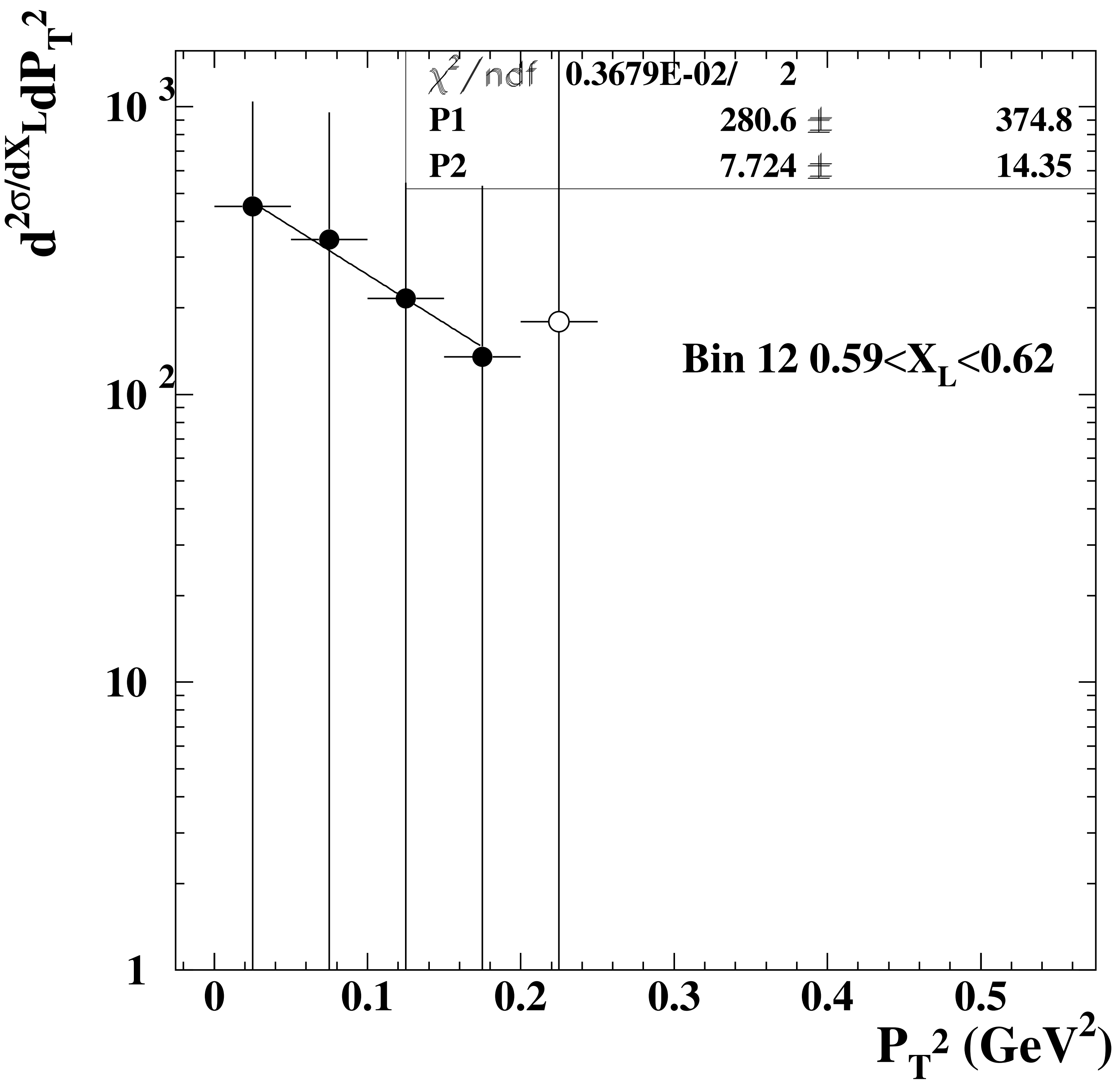
2006/10/30 13.23



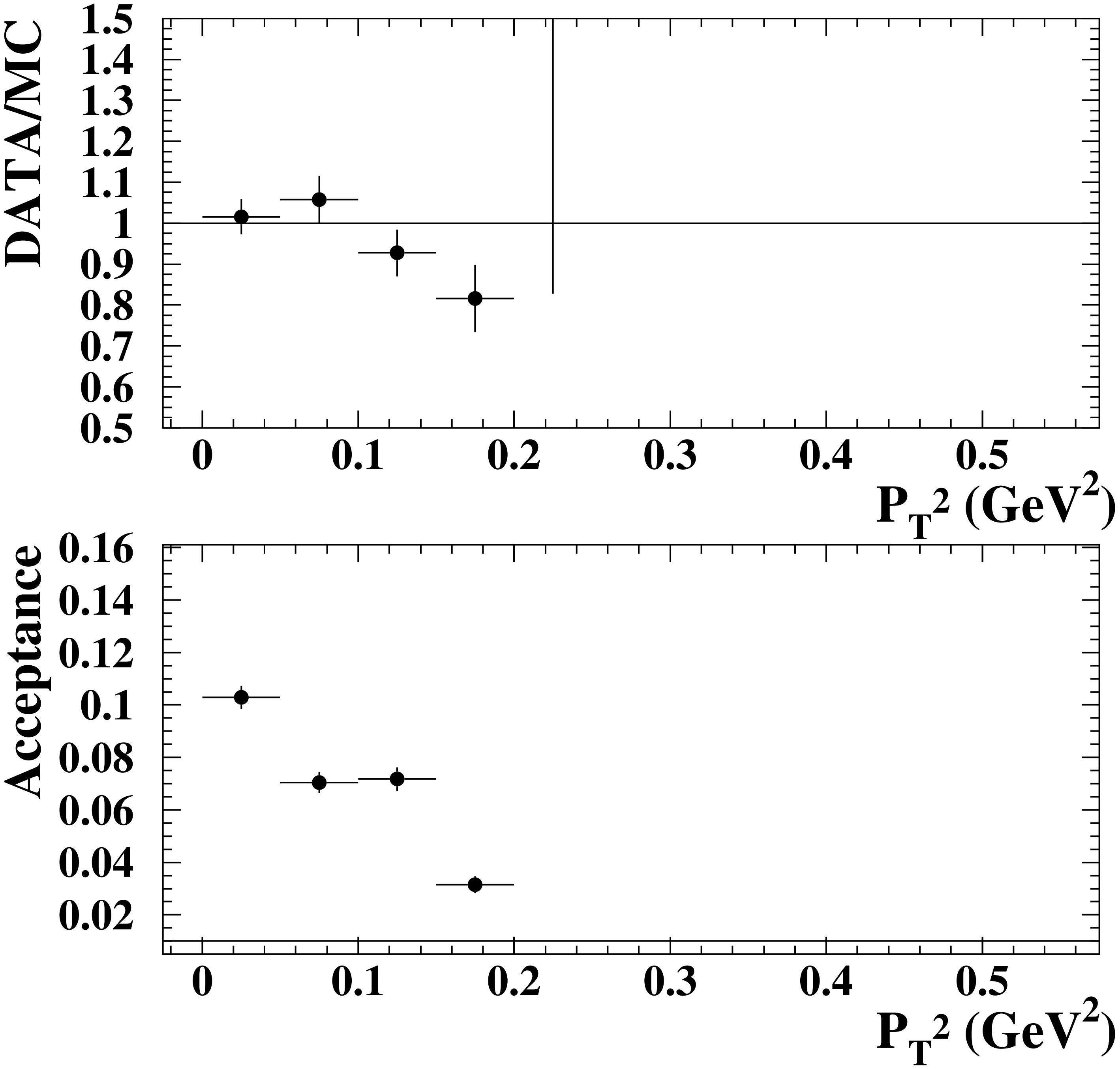
2006/10/30 13.23

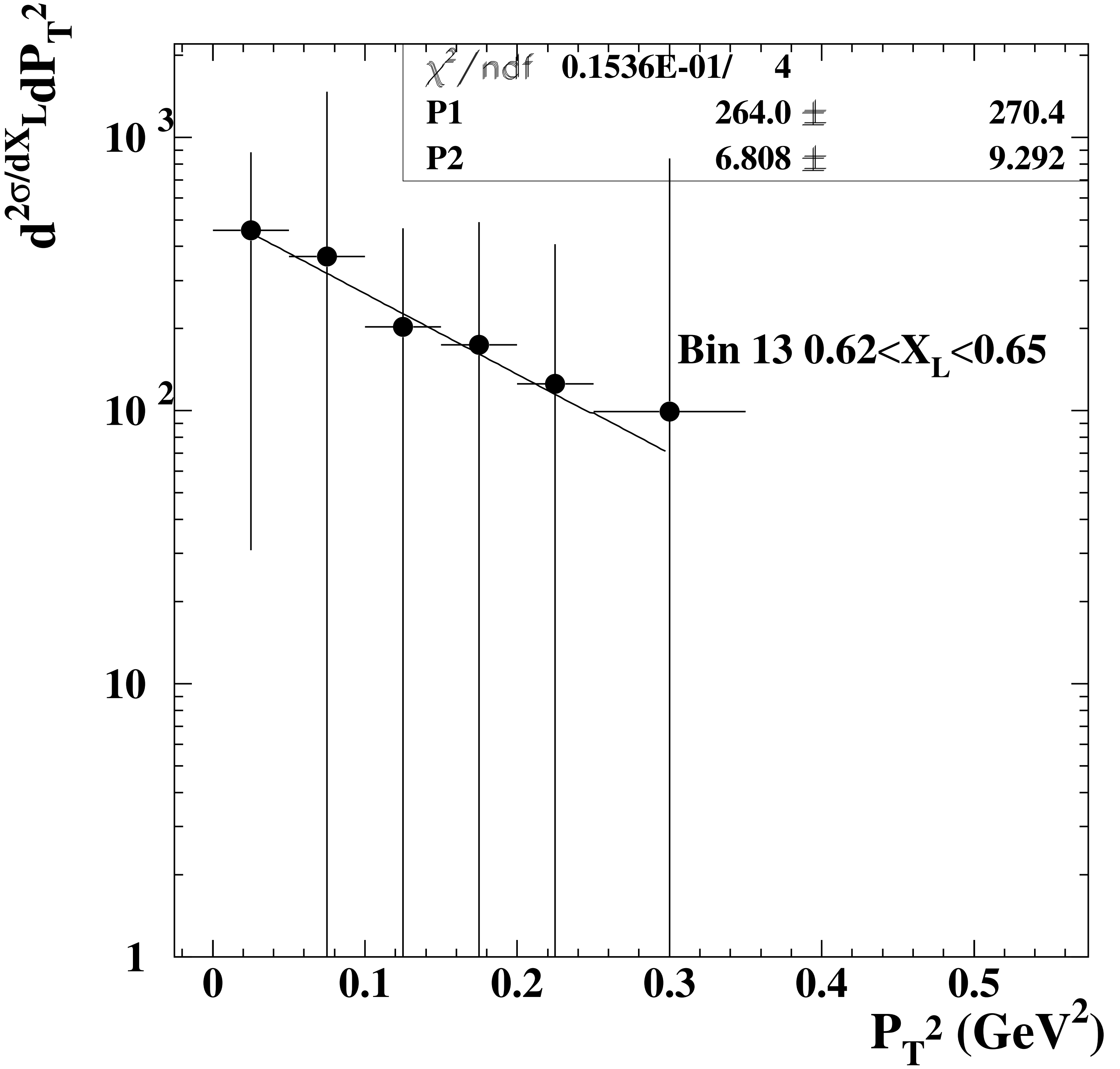


2006/10/30 13.23



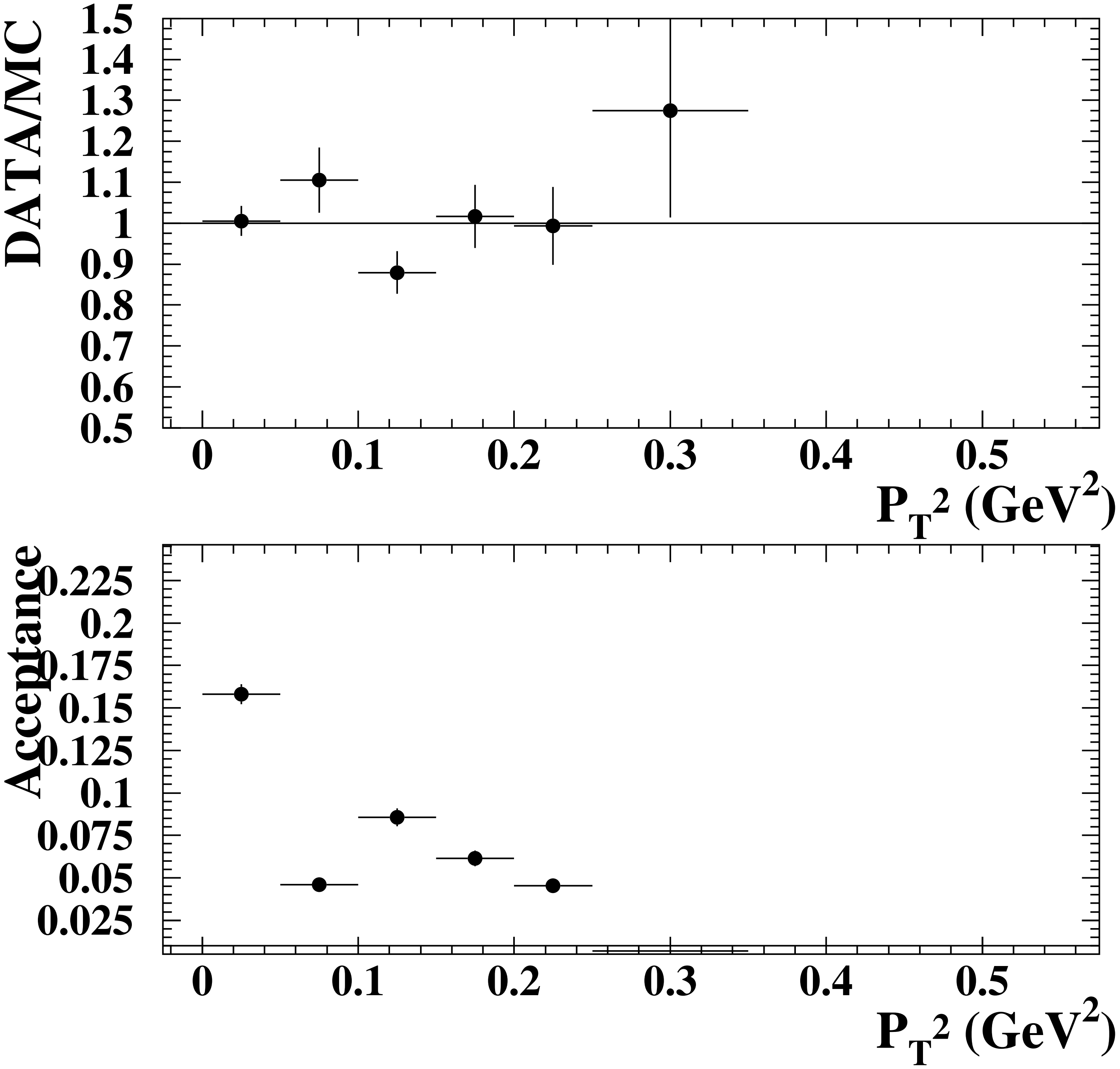
2006/10/30 13.23

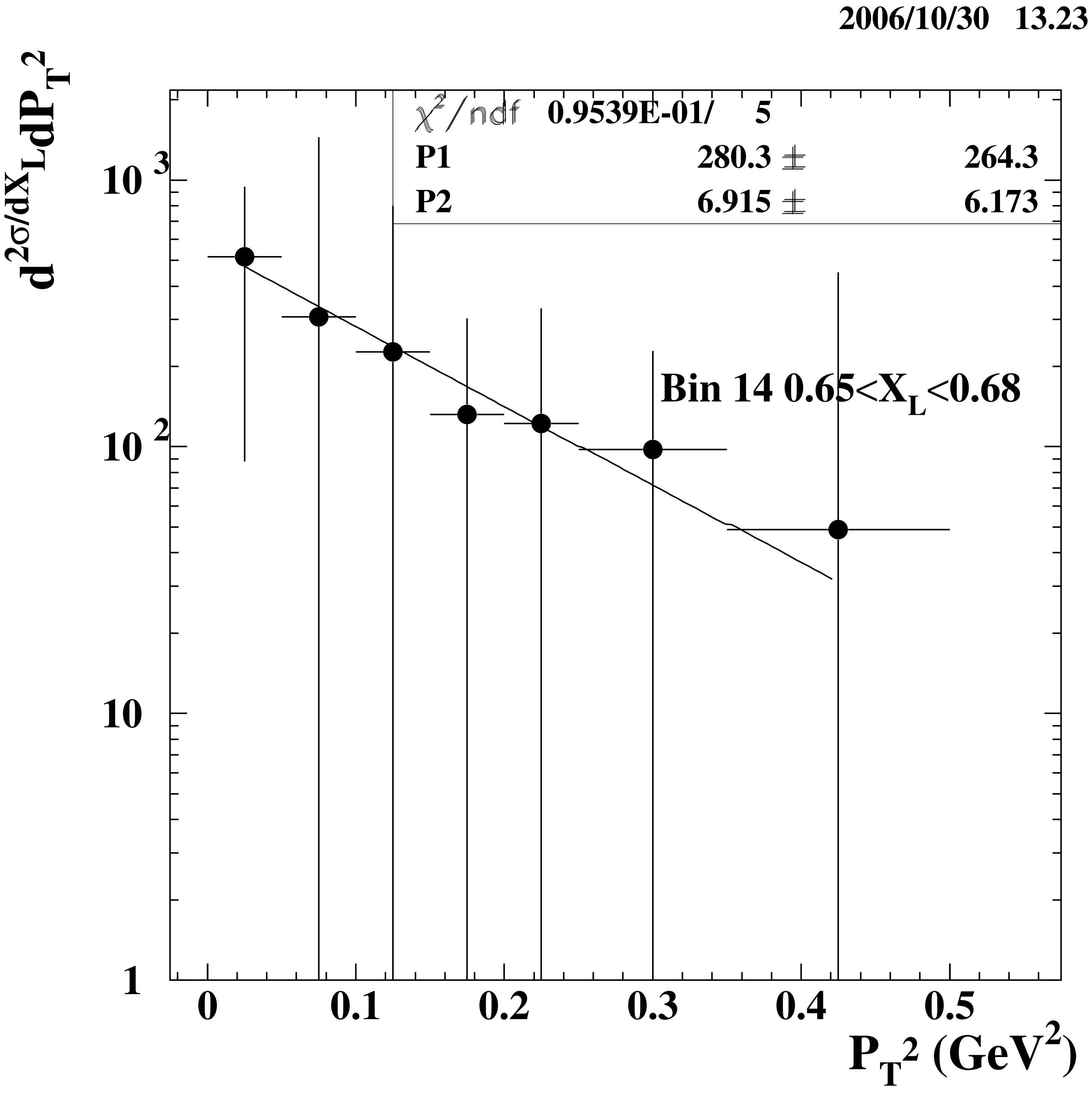




$d^{2\sigma/dX}{}_L dP_T{}^2$
χ^2/ndf 0.1536E-01/ 4
P1 264.0 ± 270.4
P2 6.808 ± 9.292
Bin 13 0.62<X_L<0.65
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
$P_T{}^2$ (GeV^2)

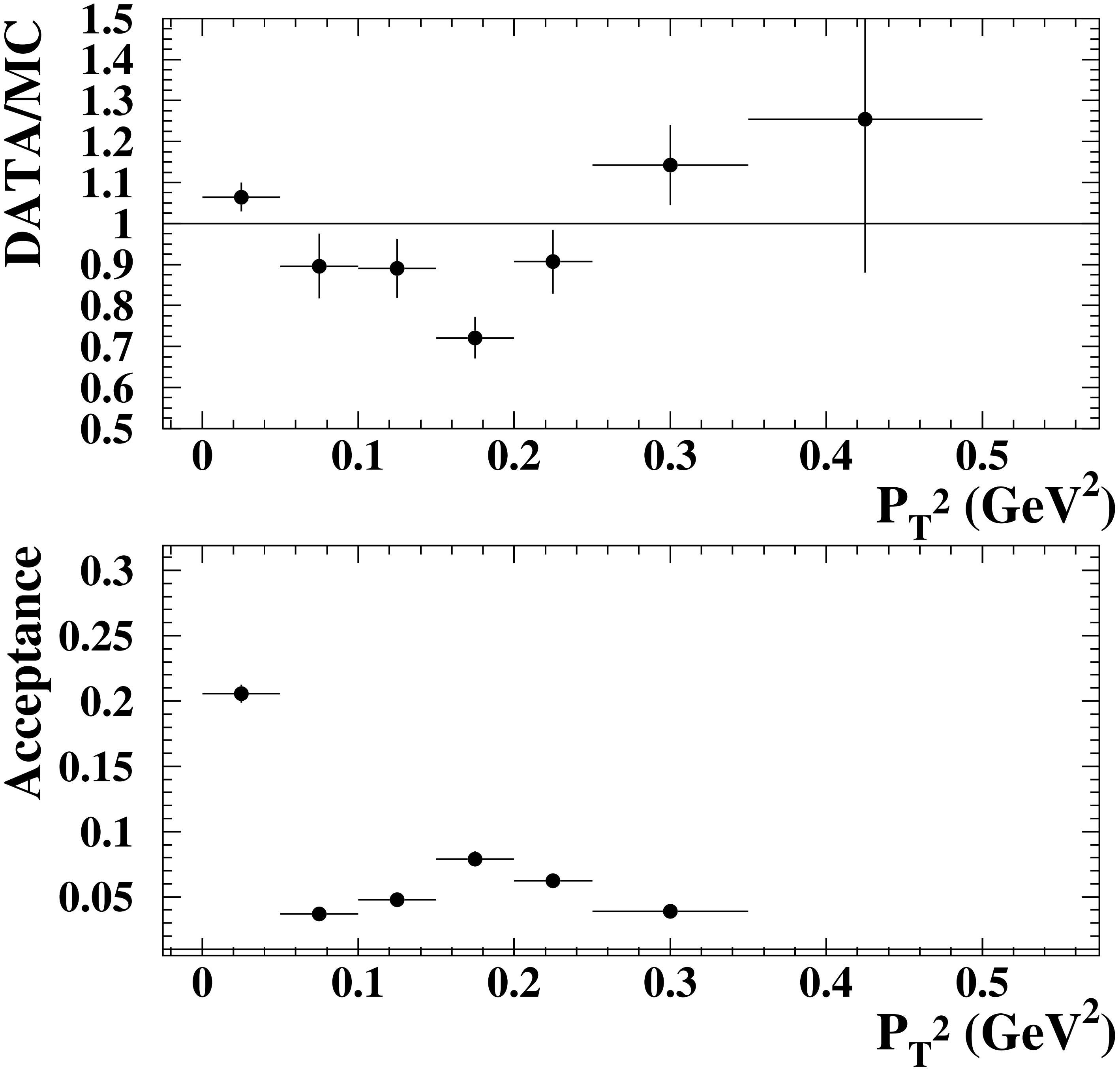
2006/10/30 13.23

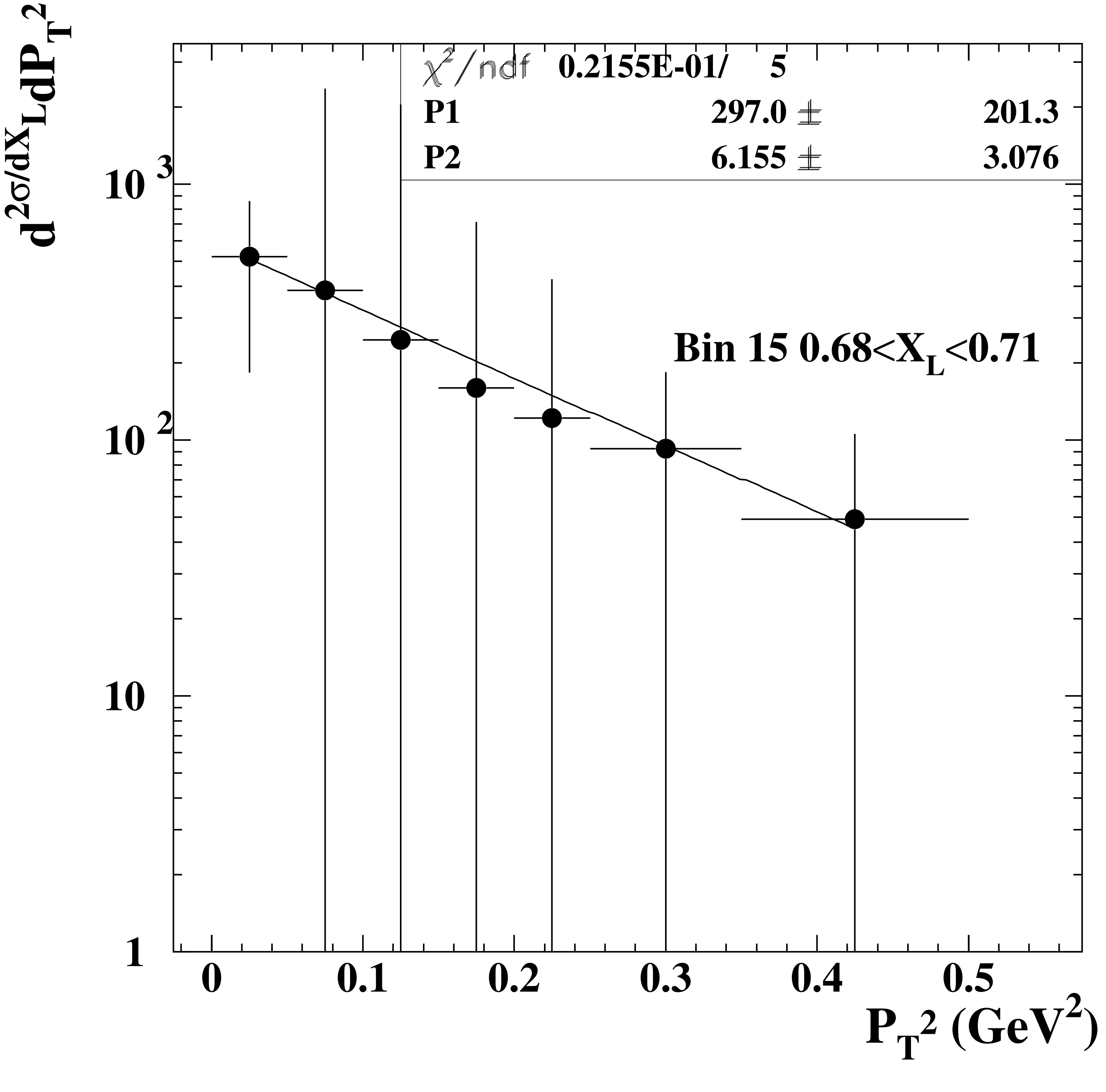




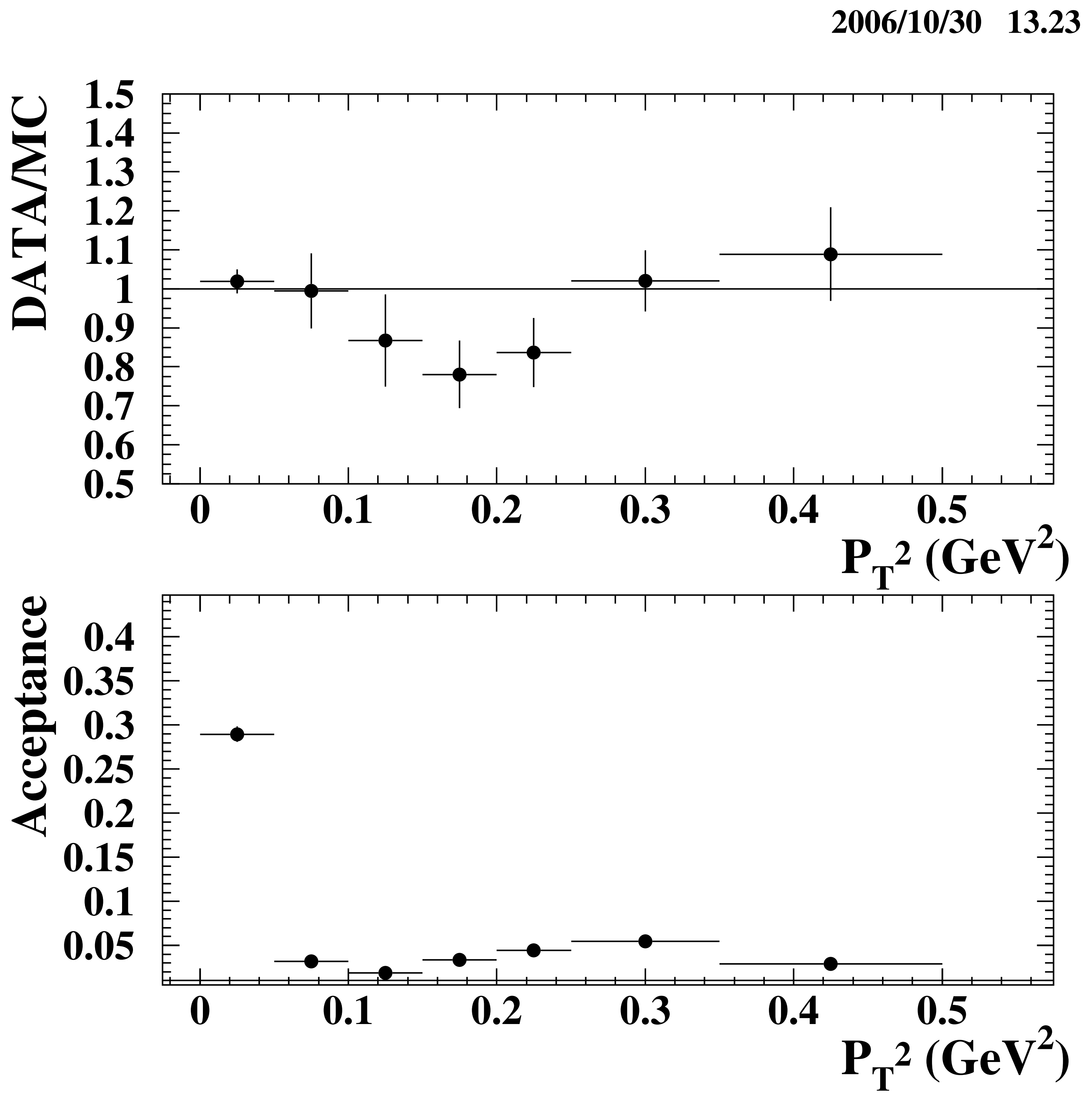
2006/10/30 13.23
χ^2/ndf 0.9539E-01/ 5
P1 280.3 ± 264.3
P2 6.915 ± 6.173
Bin 14 0.65<X_L<0.68
$d^2\sigma/dX_L dP_T^2$
P_T^2 (GeV^2)

2006/10/30 13.23

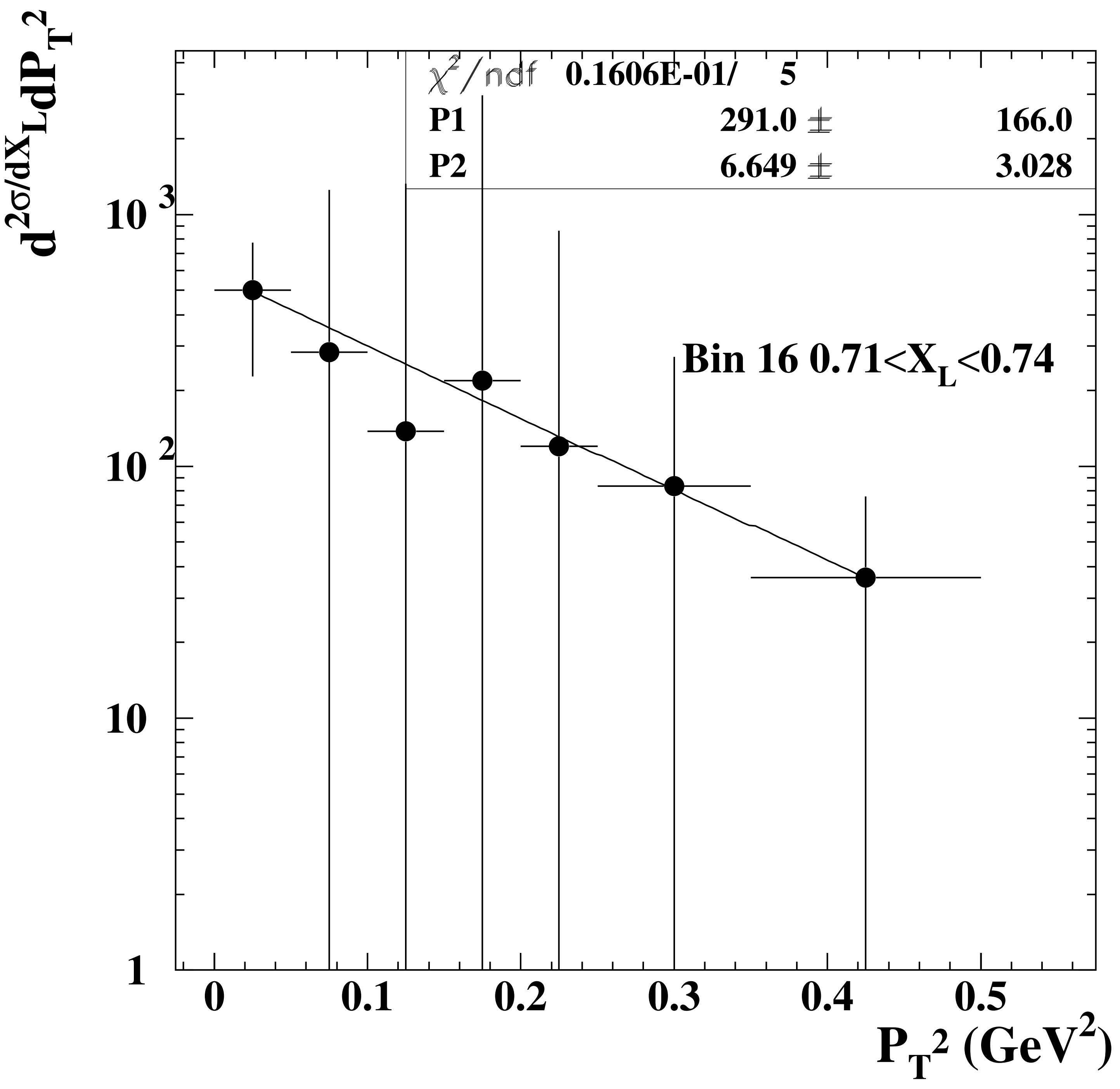




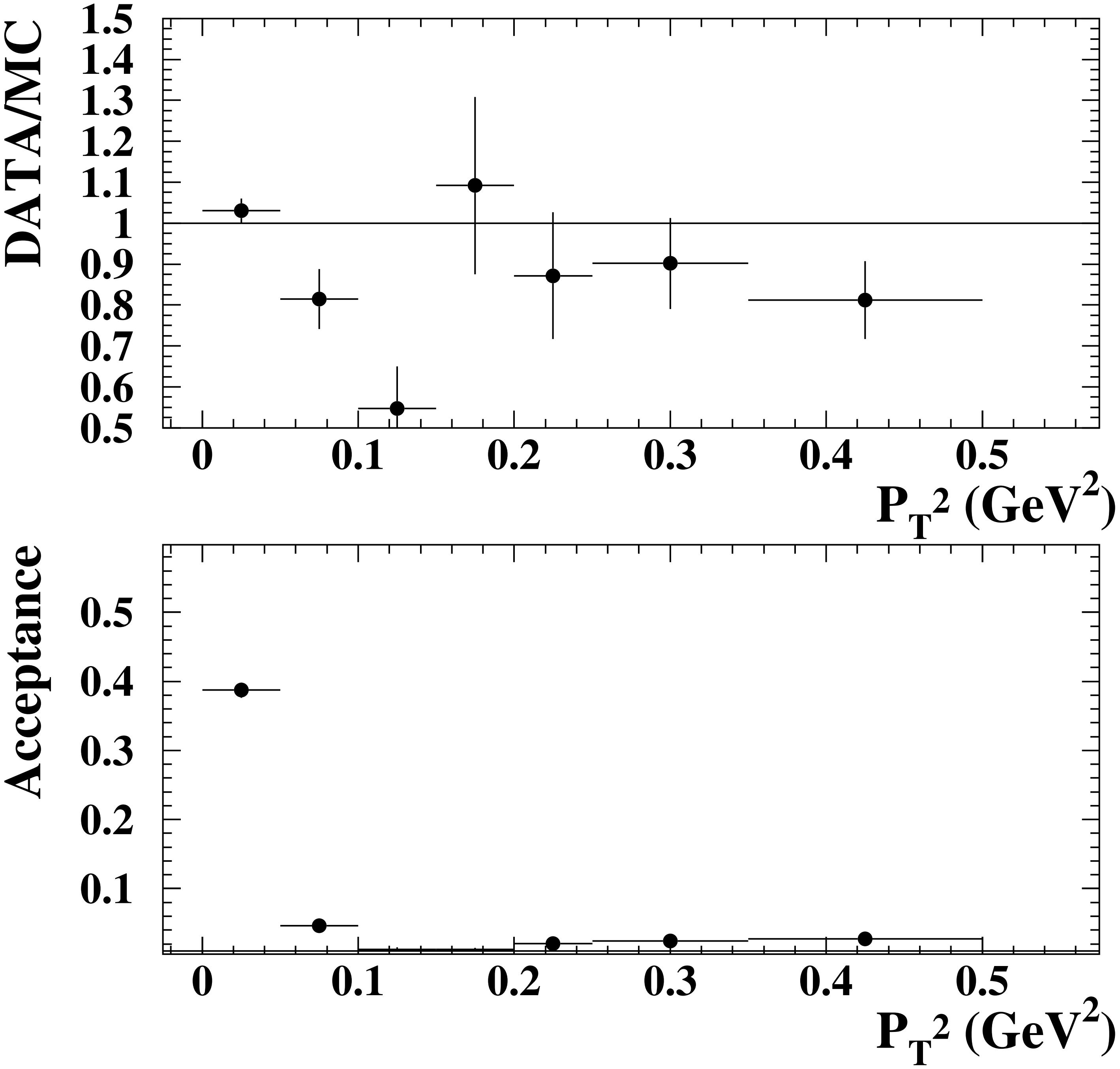
χ^2/ndf 0.2155E-01/ 5
P1 297.0 ± 201.3
P2 6.155 ± 3.076
Bin 15 0.68<X_L<0.71
$d^2\sigma/dX_L dP_T^2$
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

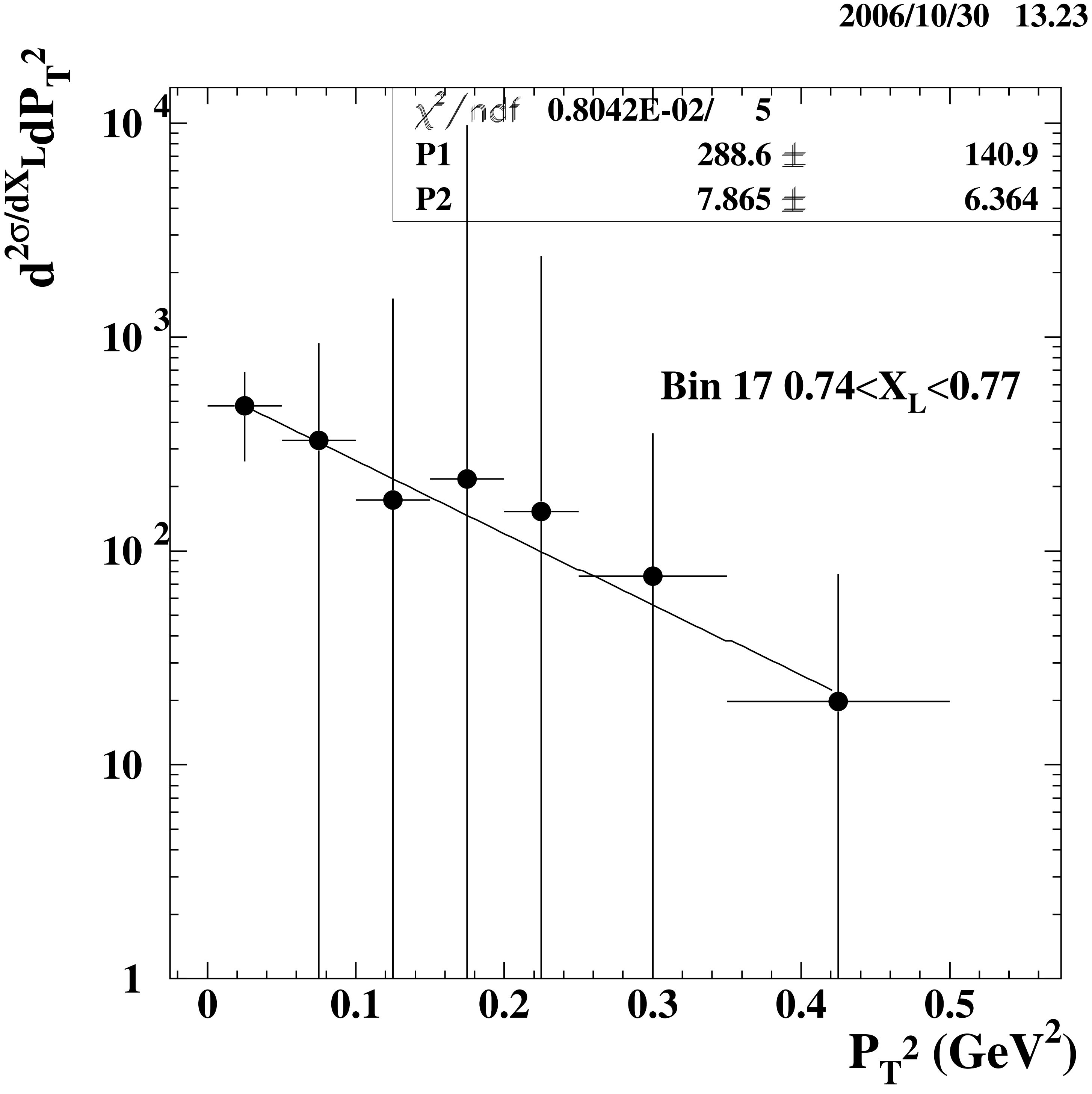

2006/10/30 13.23
DATA/MC
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)
Acceptance
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

2006/10/30 13.23

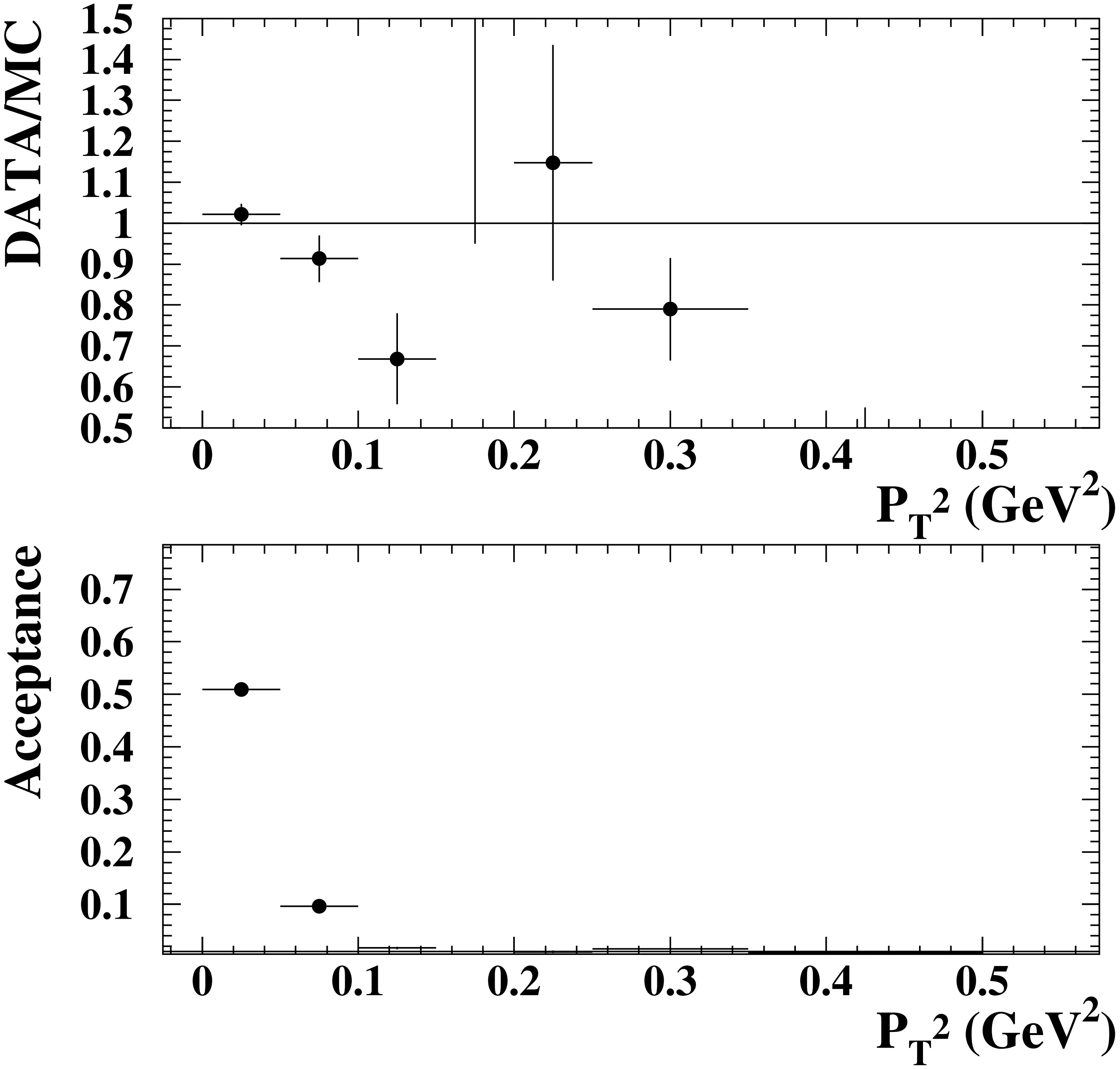


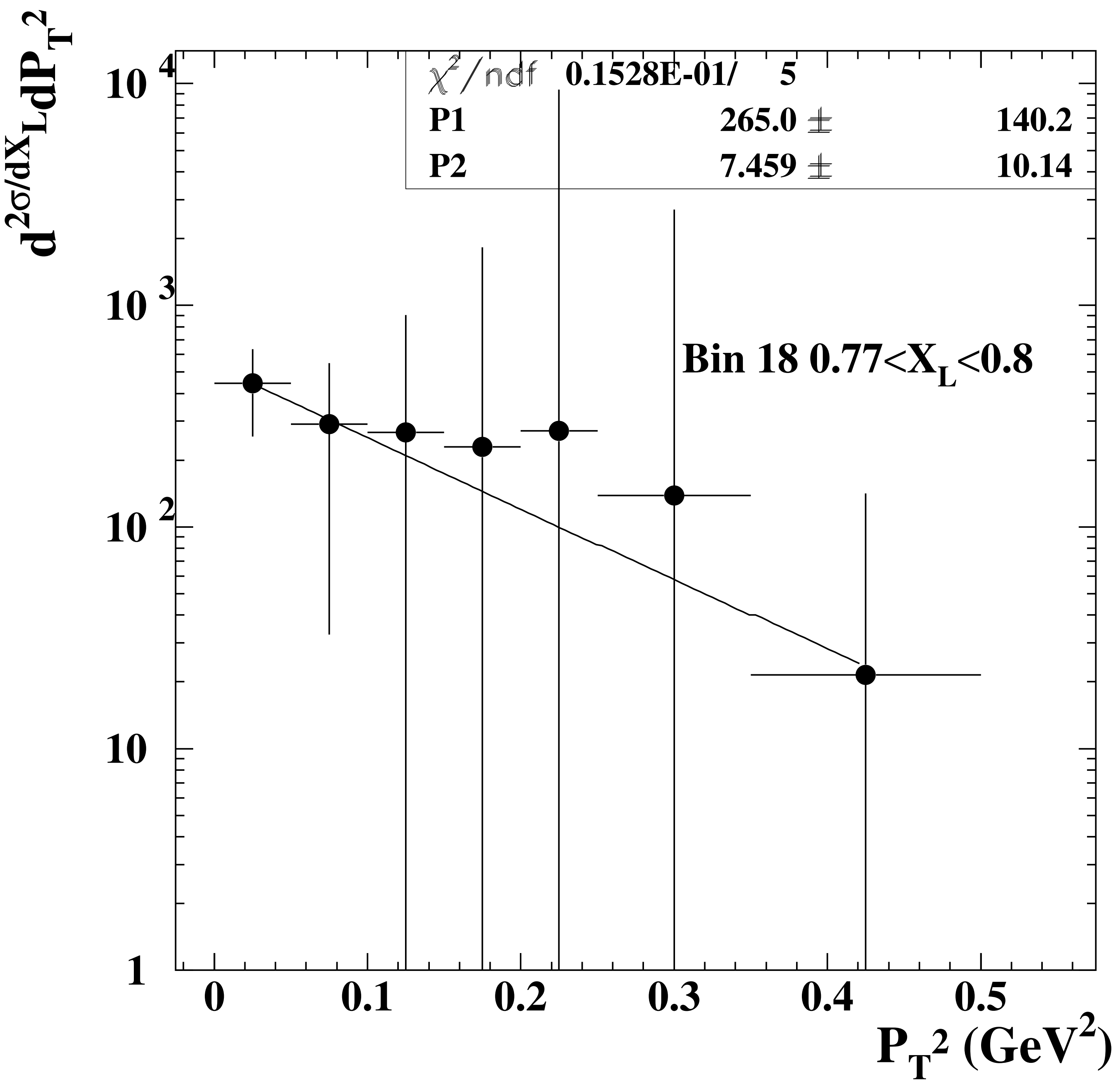
2006/10/30 13.23



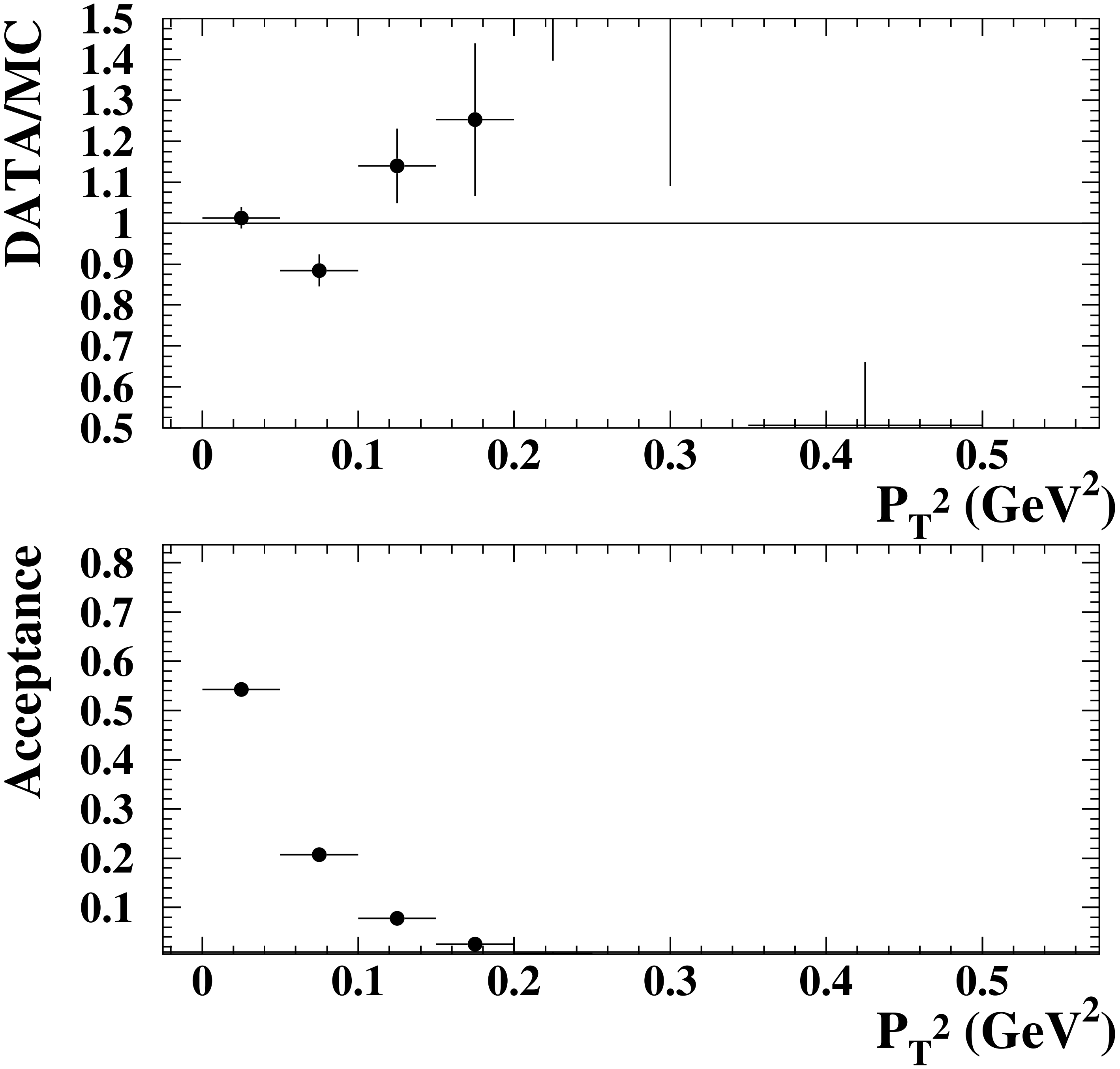

2006/10/30 13.23
$d^{2\sigma/dX_L dP_T^2}$
χ^2/ndf 0.8042E-02/ 5
P1 288.6 ± 140.9
P2 7.865 ± 6.364
Bin 17 0.74<X_L<0.77
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

2006/10/30 13.23

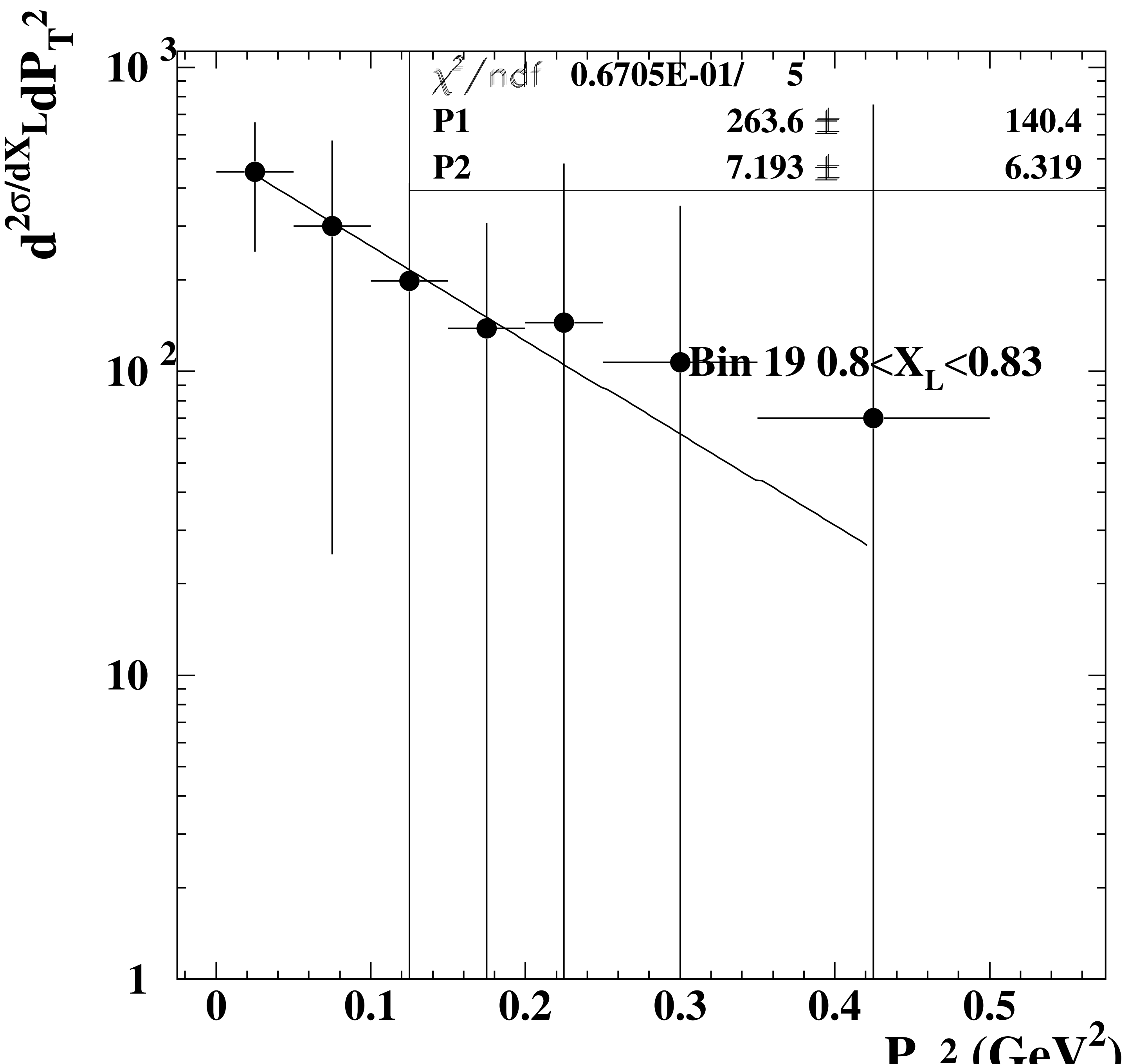


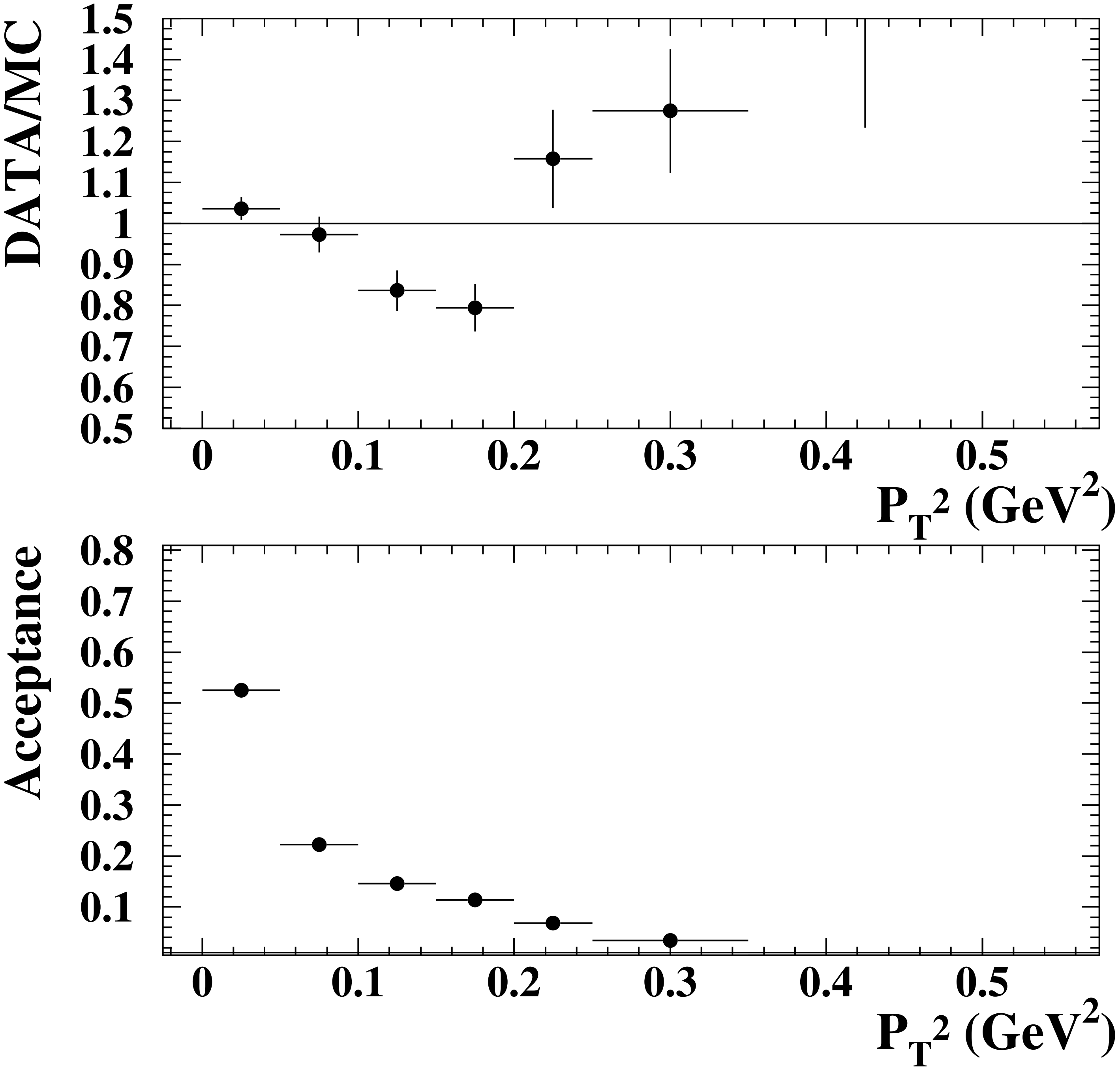

$d^{2\sigma/dX_L dP_T^2}$
χ^2/ndf 0.1528E-01/ 5
P1 265.0 ± 140.2
P2 7.459 ± 10.14
Bin 18 0.77<X_L<0.8
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

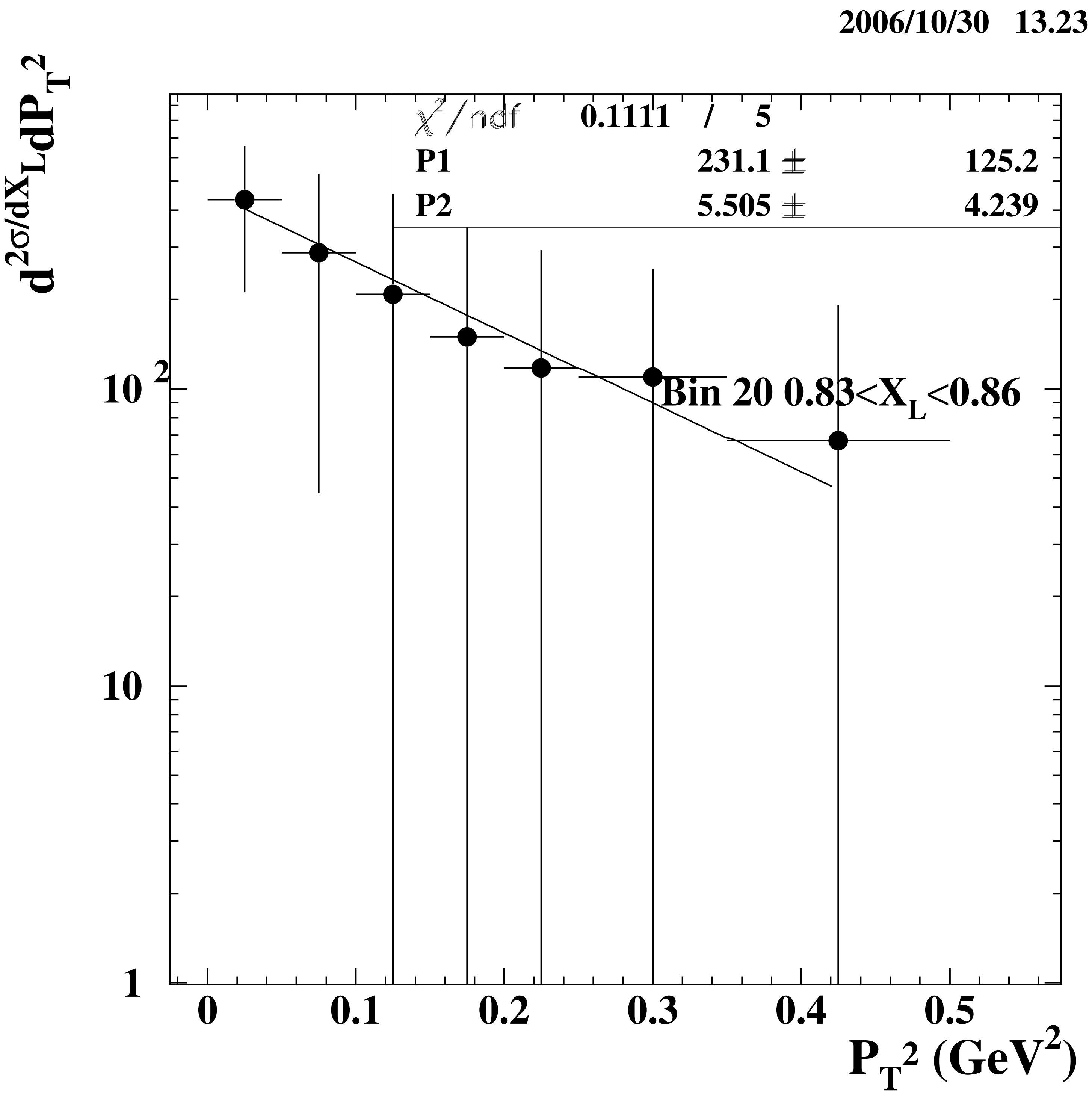
2006/10/30 13.23



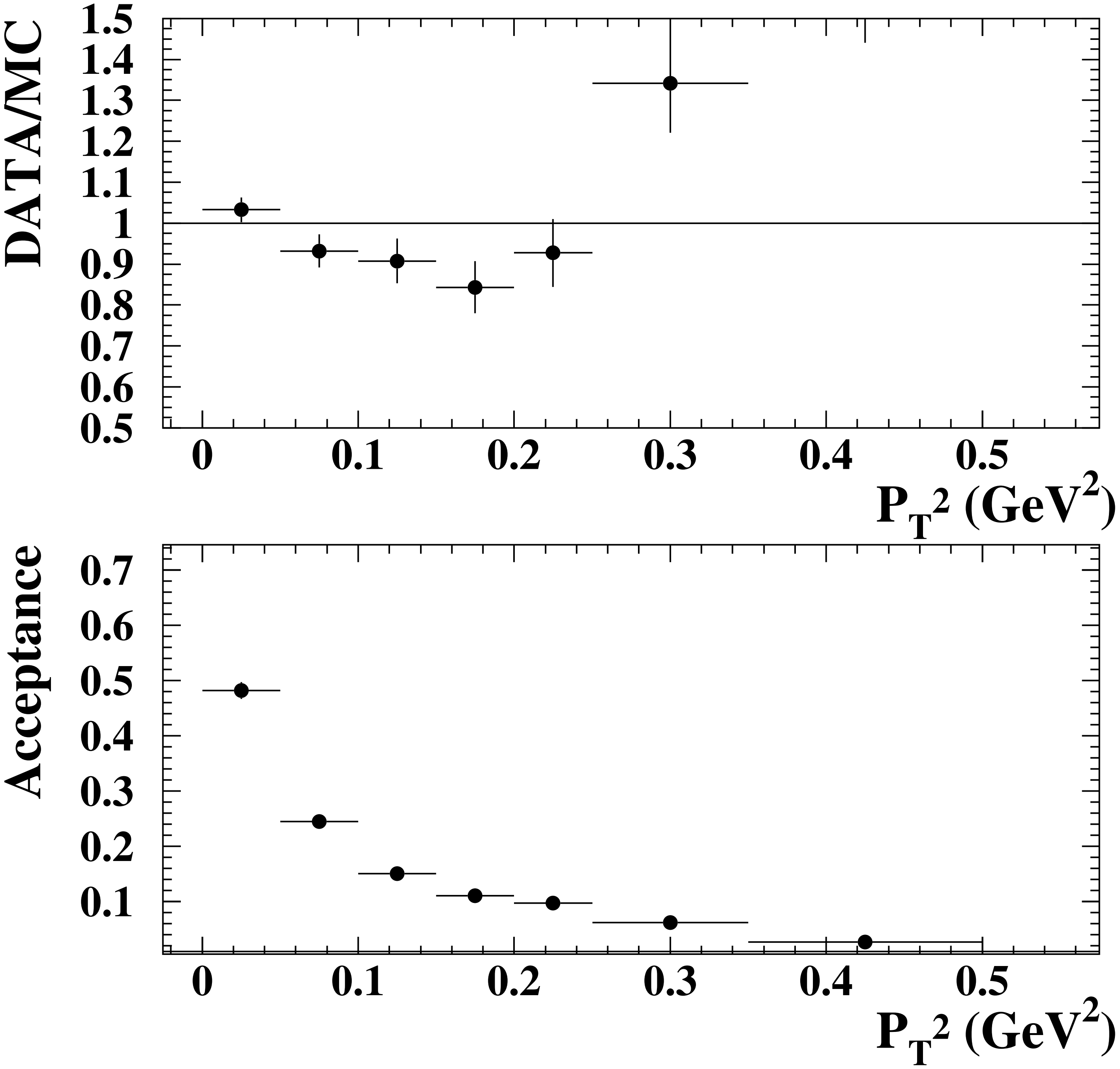
2006/10/30 13.23

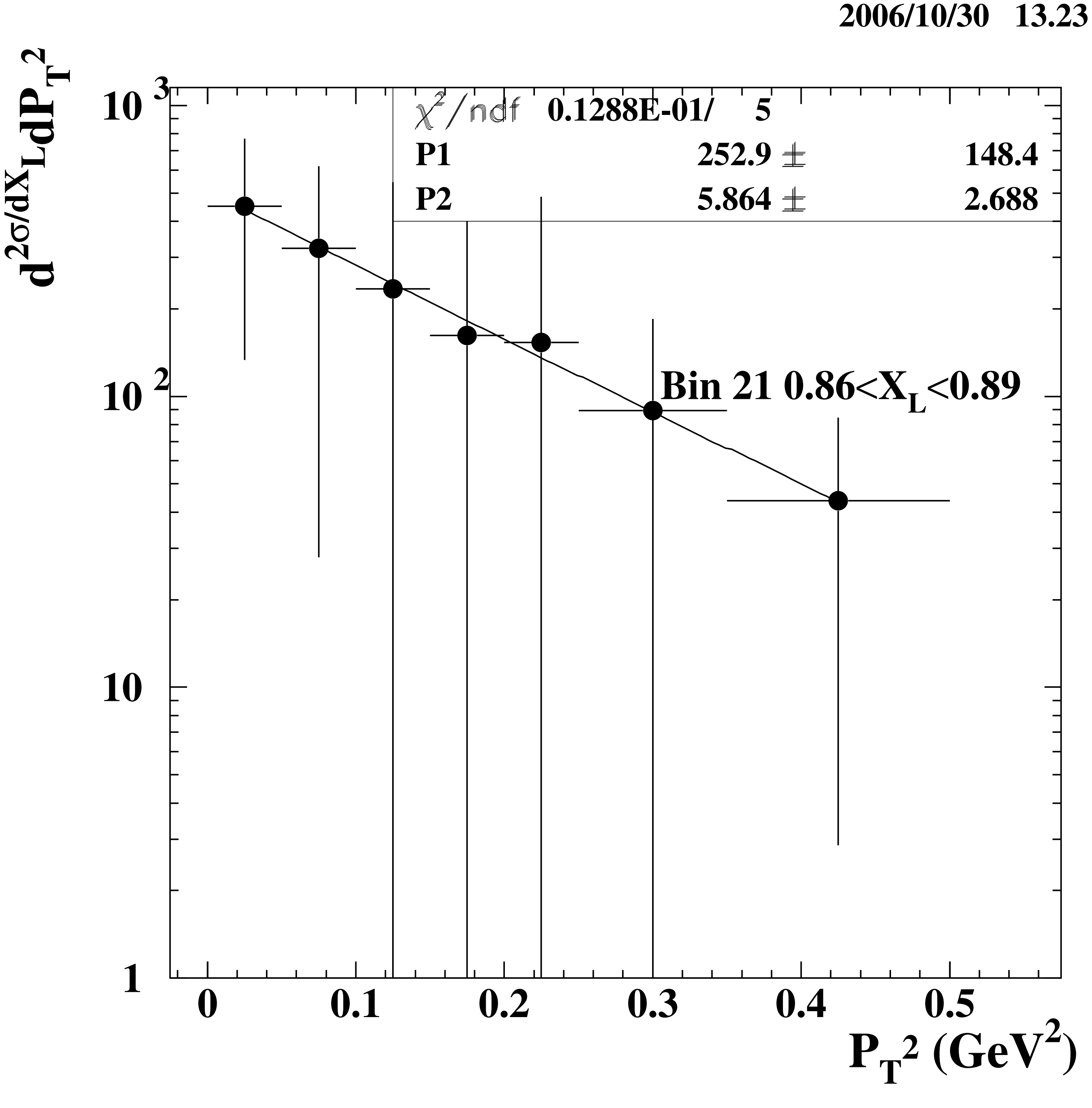



DATA/MC
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0
0.1
0.2
0.3
0.4
0.5
$P_T{}^2$ (GeV^2)
Acceptance
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.1
0.2
0.3
0.4
0.5
$P_T{}^2$ (GeV^2)


2006/10/30 13.23
χ^2/ndf 0.1111 / 5
P1 231.1 ± 125.2
P2 5.505 ± 4.239
Bin 20 0.83<X$_L$<0.86
$d^{2\sigma/dX_L dP_T^2}$
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

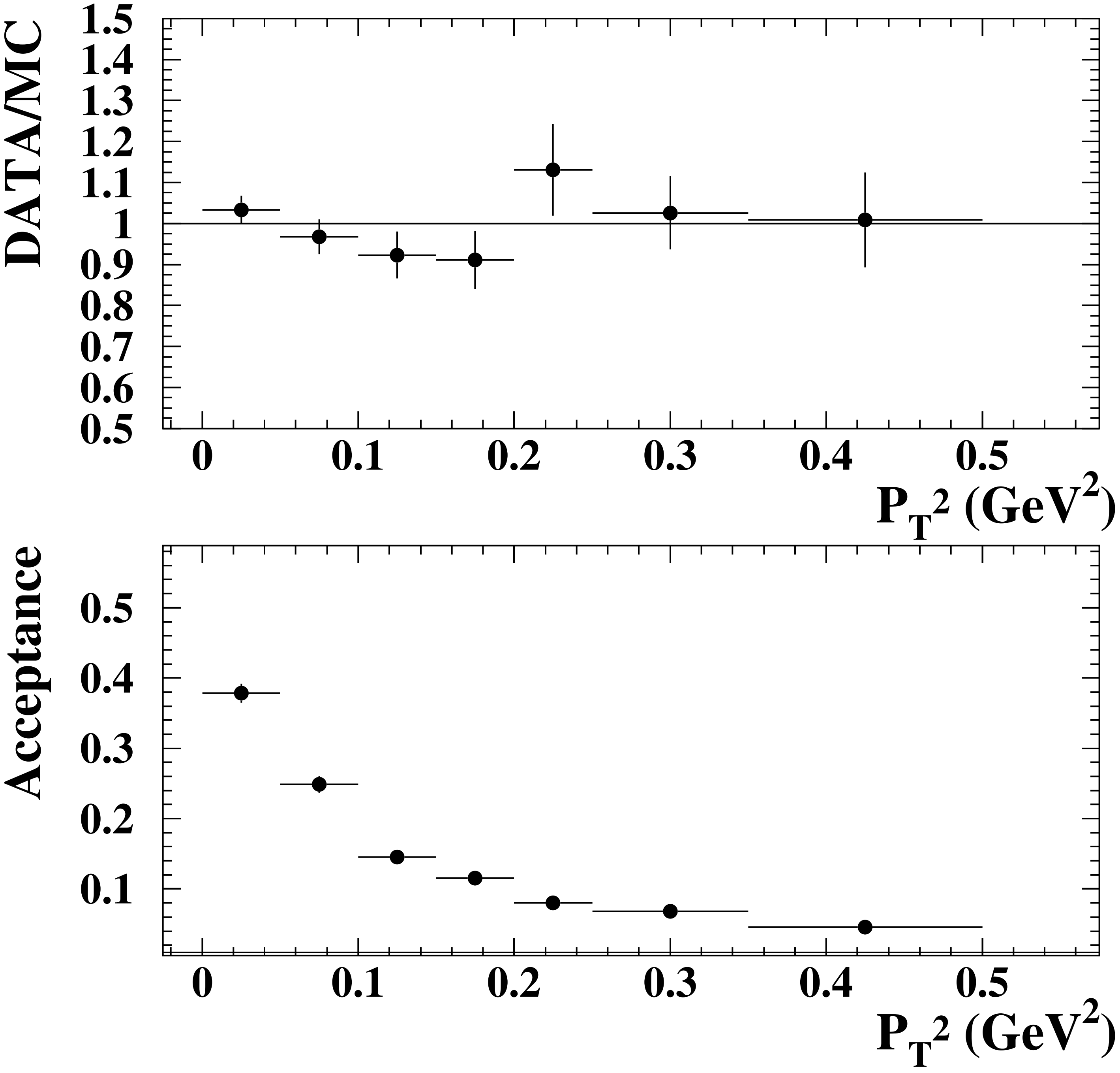
2006/10/30 13.23



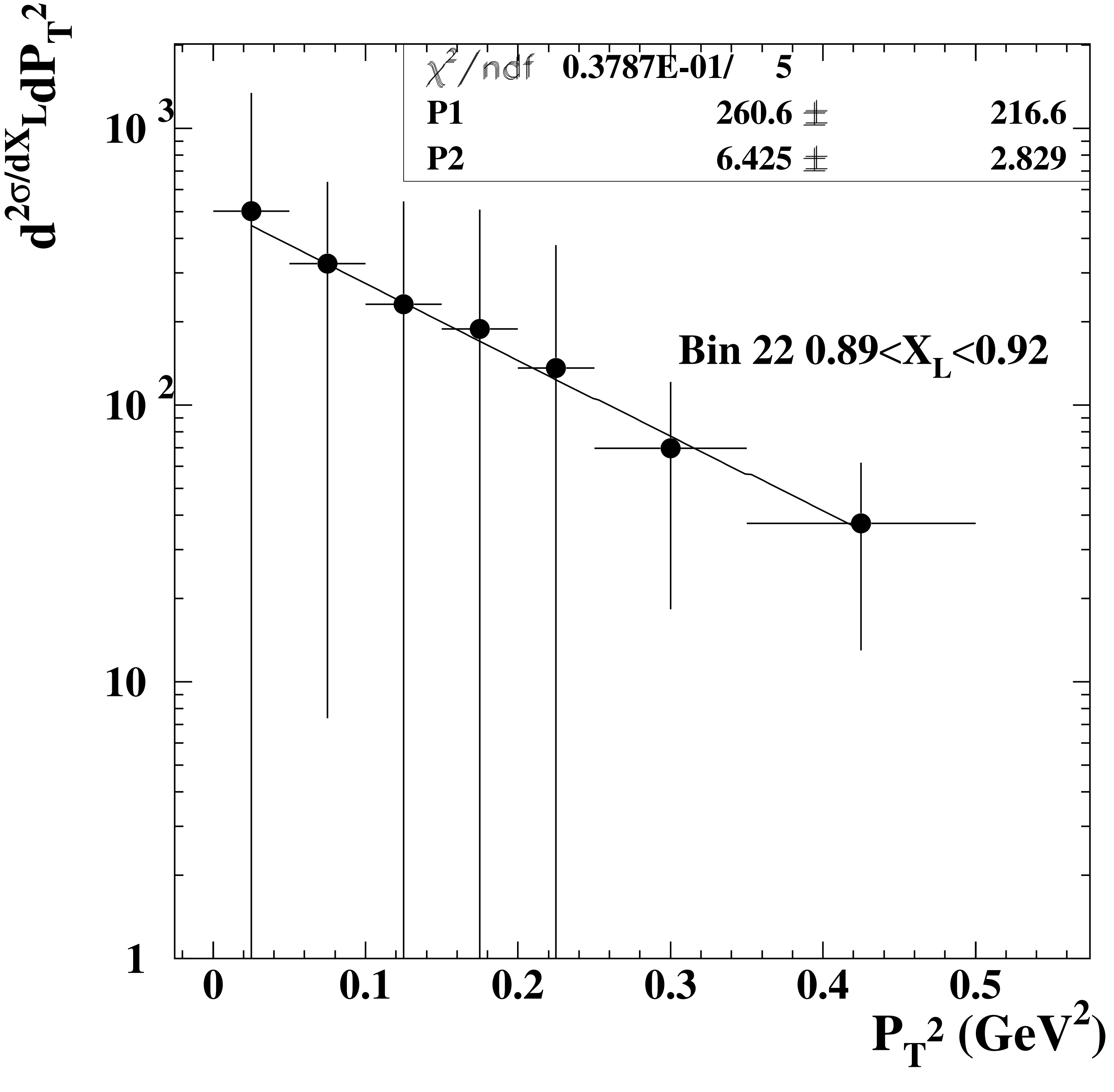


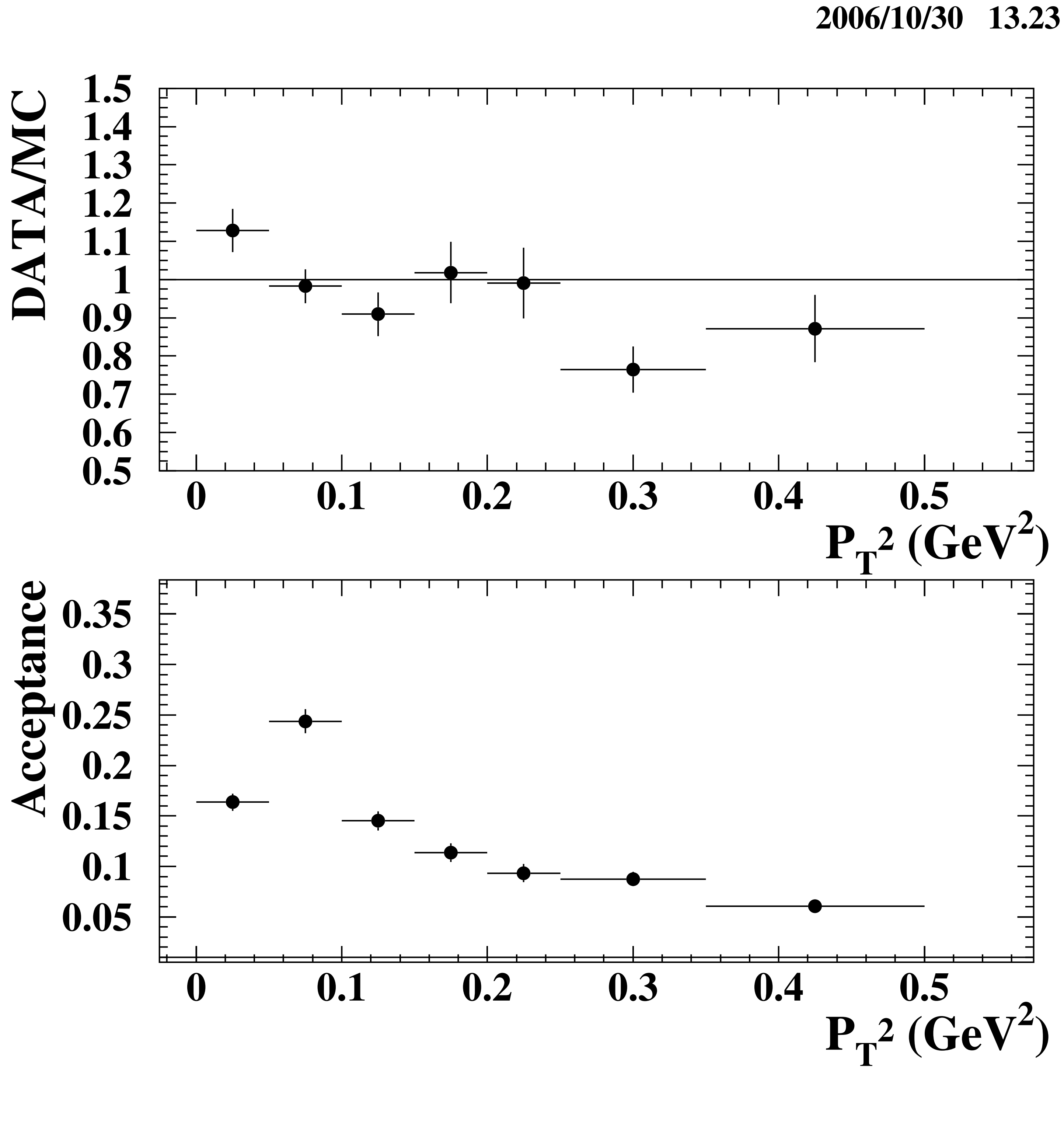
2006/10/30 13.23
χ^2/ndf 0.1288E-01/ 5
P1 252.9 ± 148.4
P2 5.864 ± 2.688
Bin 21 0.86<X_L<0.89
$d^{2\sigma/dX}{}_L dP_T{}^2$
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
$P_T{}^2$ (GeV^2)

2006/10/30 13.23

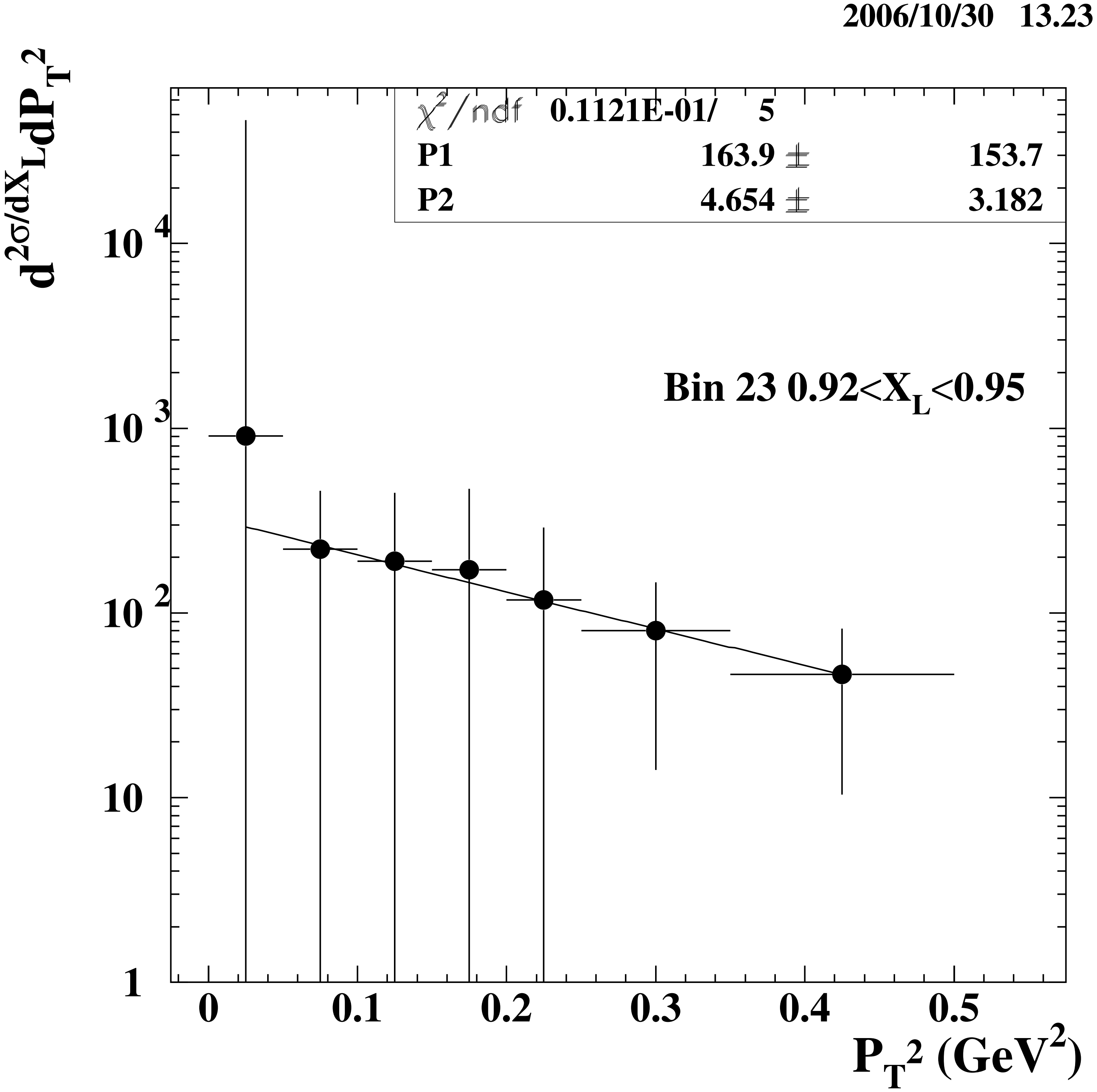


2006/10/30 13.23



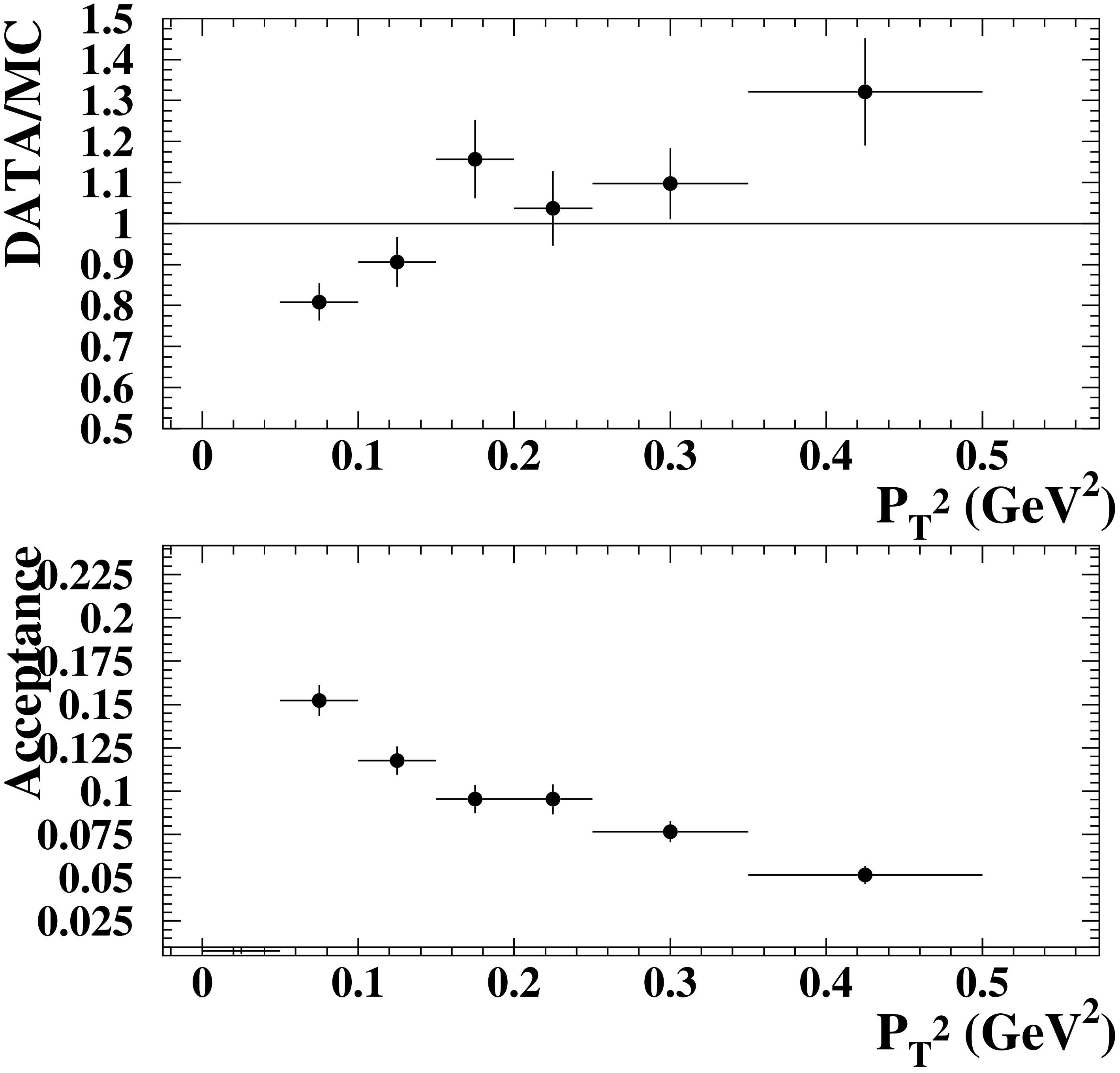


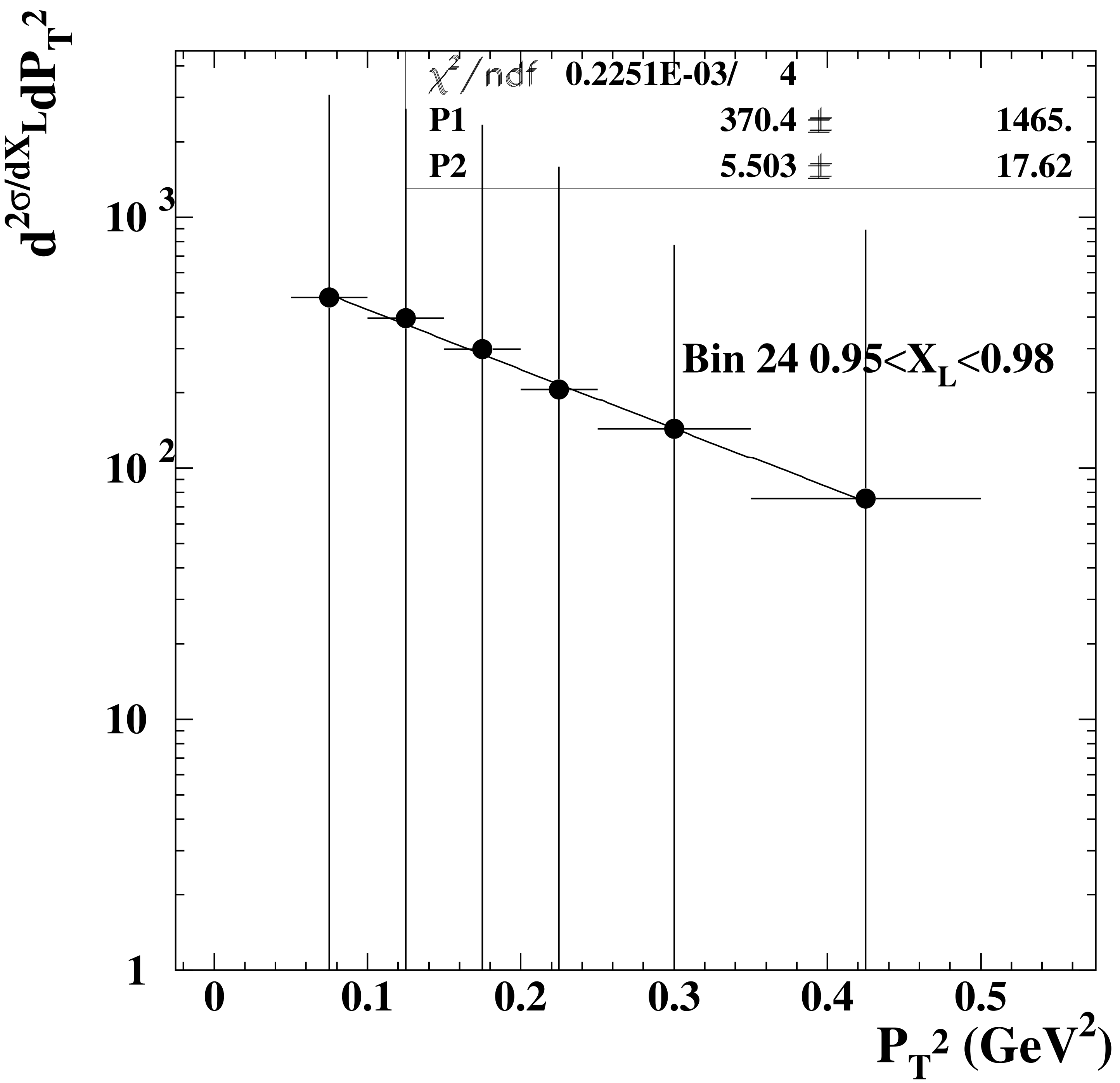
2006/10/30 13.23
DATA/MC
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)
Acceptance
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)



2006/10/30 13.23
χ^2/ndf 0.1121E-01/ 5
P1 163.9 ± 153.7
P2 4.654 ± 3.182
Bin 23 0.92<X_L<0.95
$d^{2\sigma/dX_L dP_T^2}$
P_T^2 (GeV^2)
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5

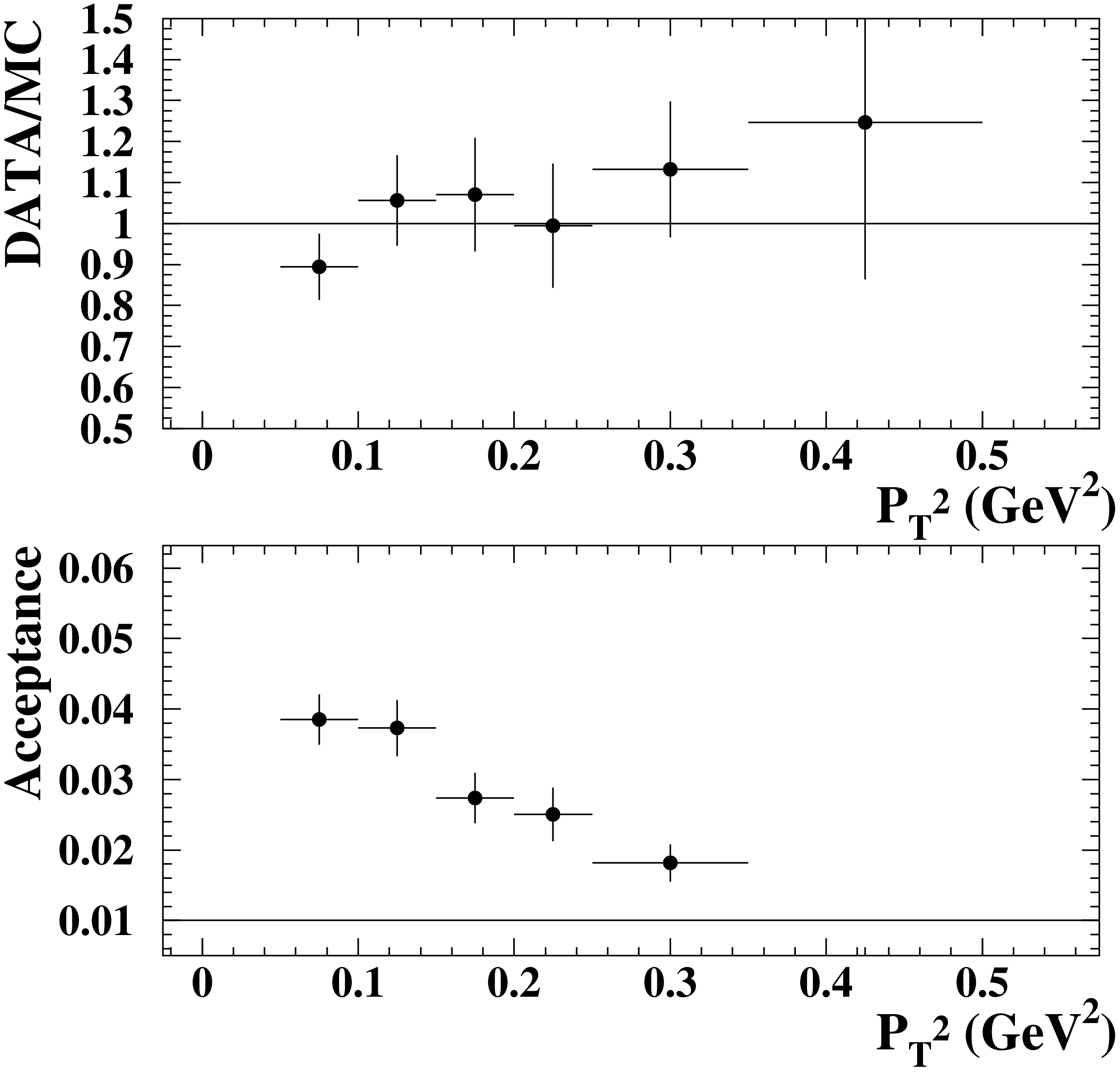
2006/10/30 13.23



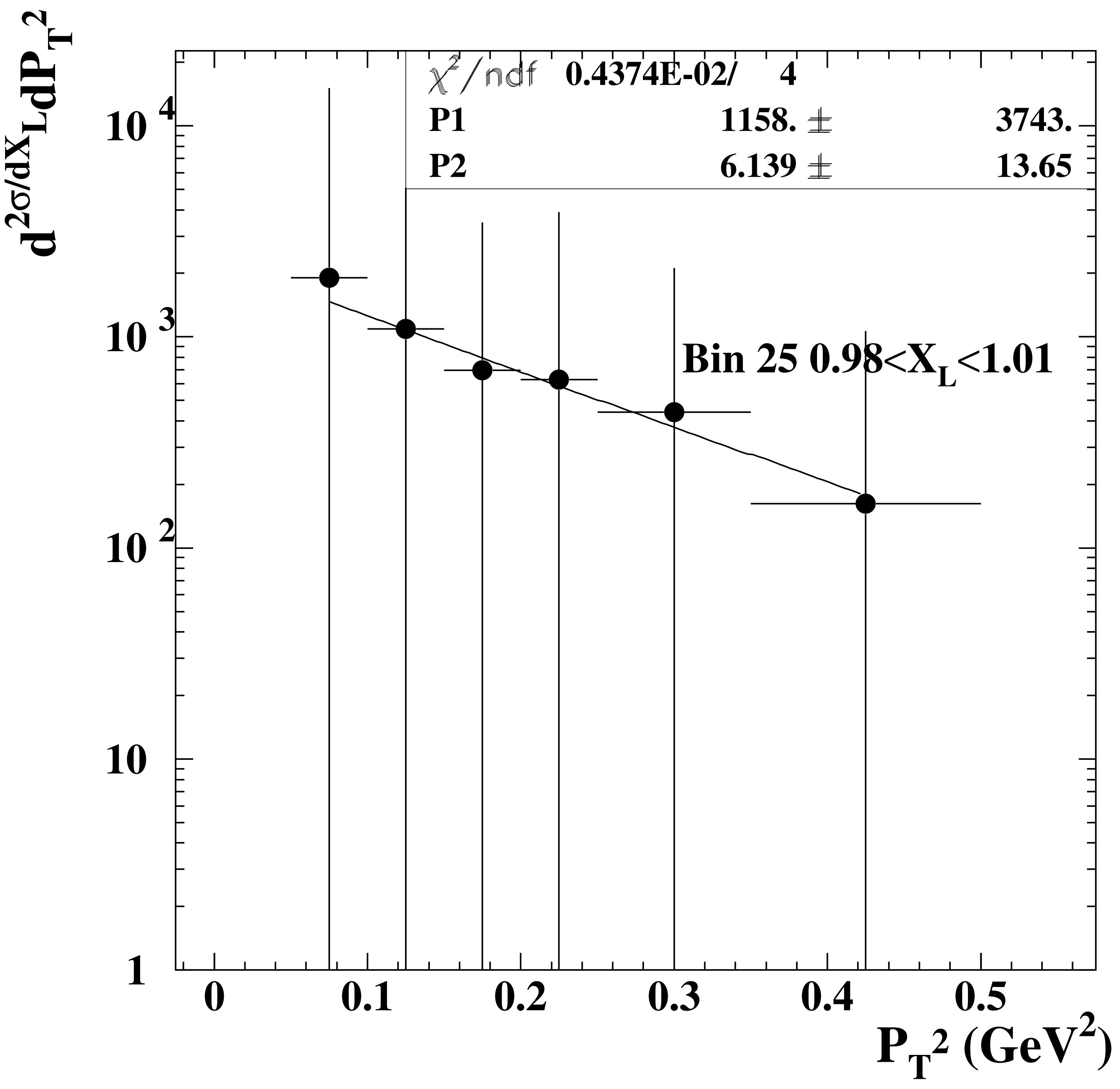


χ^2/ndf 0.2251E-03/ 4
P1 370.4 ± 1465.
P2 5.503 ± 17.62
Bin 24 0.95<X_L<0.98
$d^{2\sigma/dX_L dP_T^2}$
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

2006/10/30 13.23



2006/10/30 13.23



2006/10/30   13.23