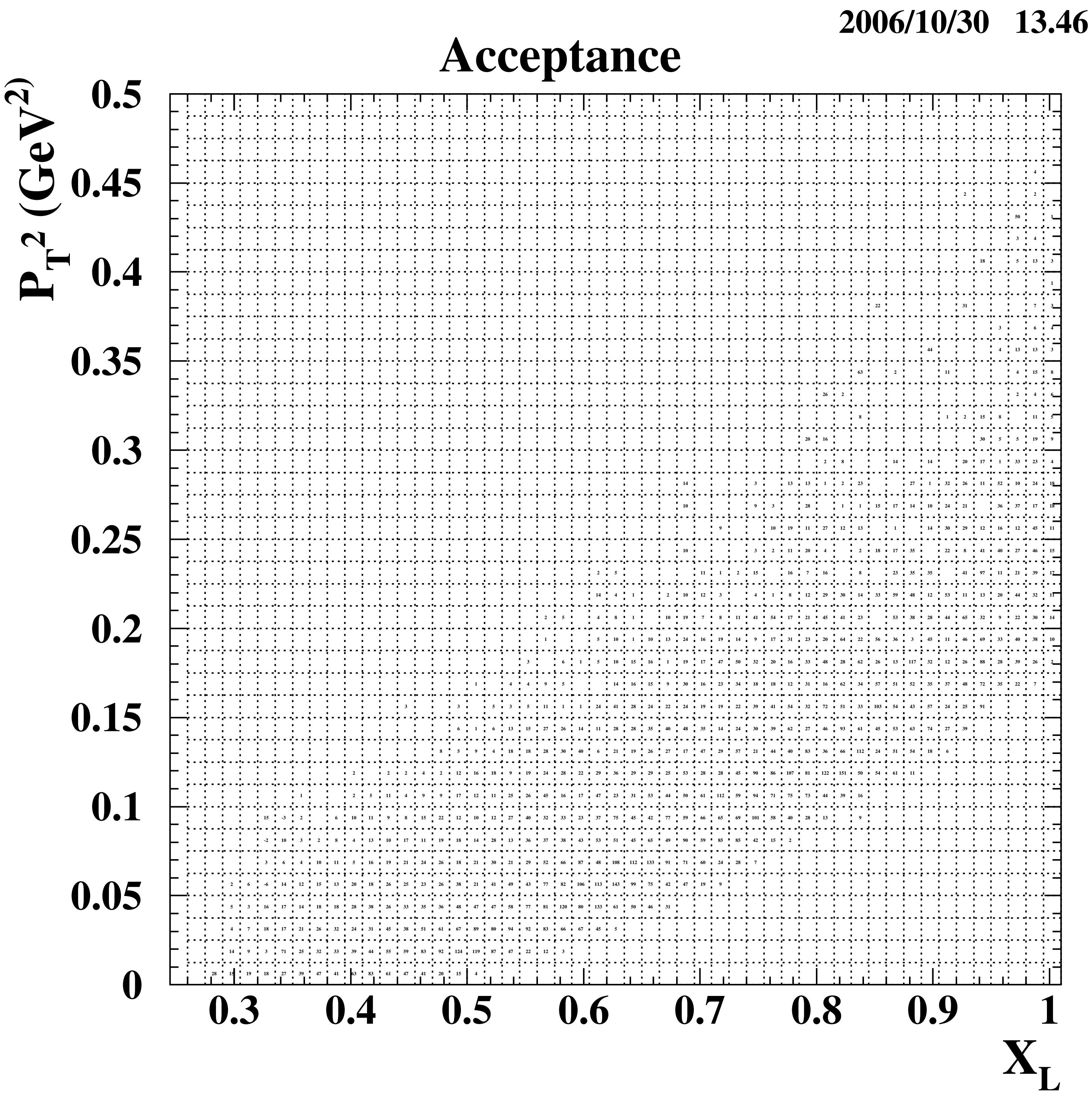
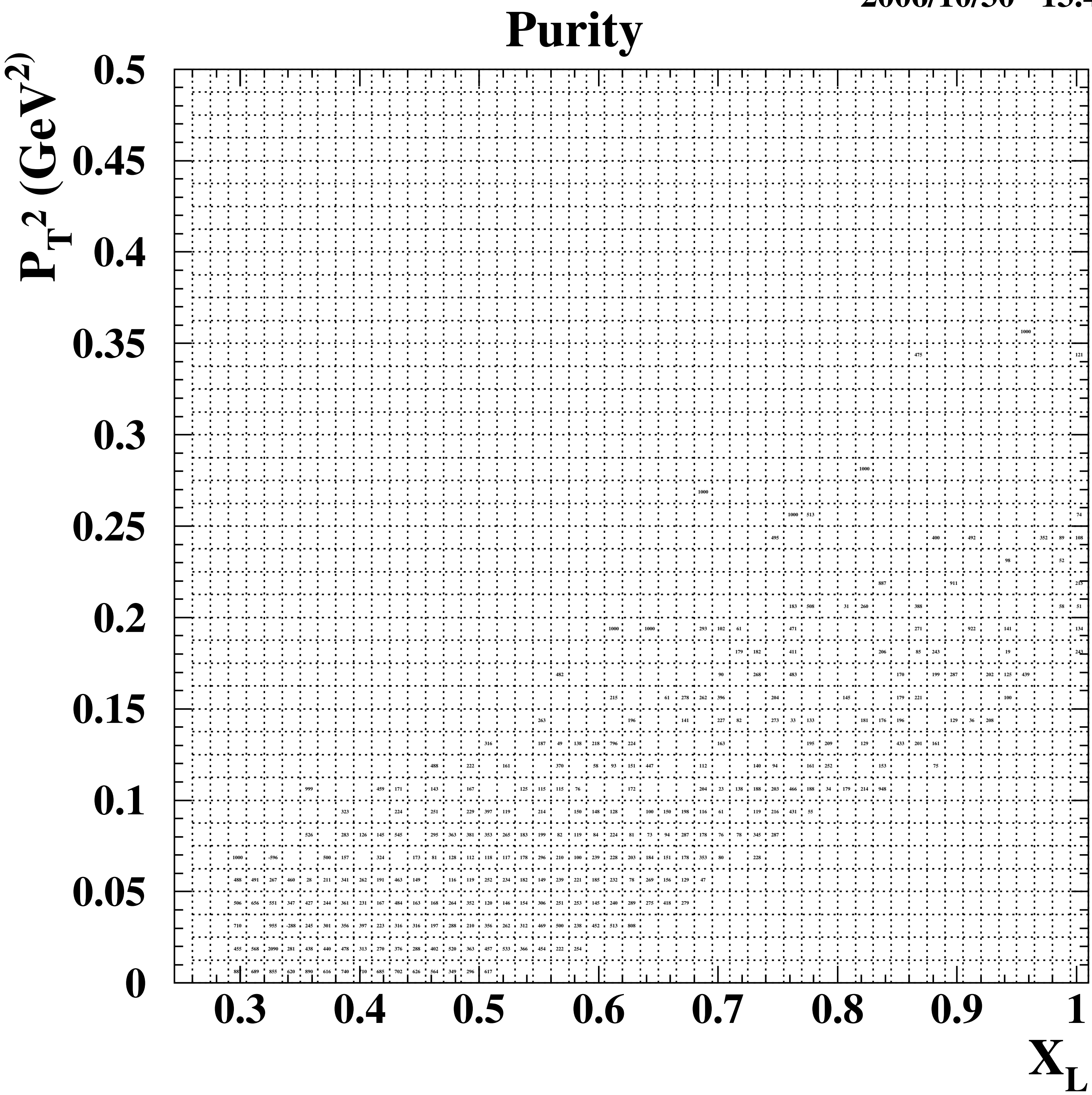
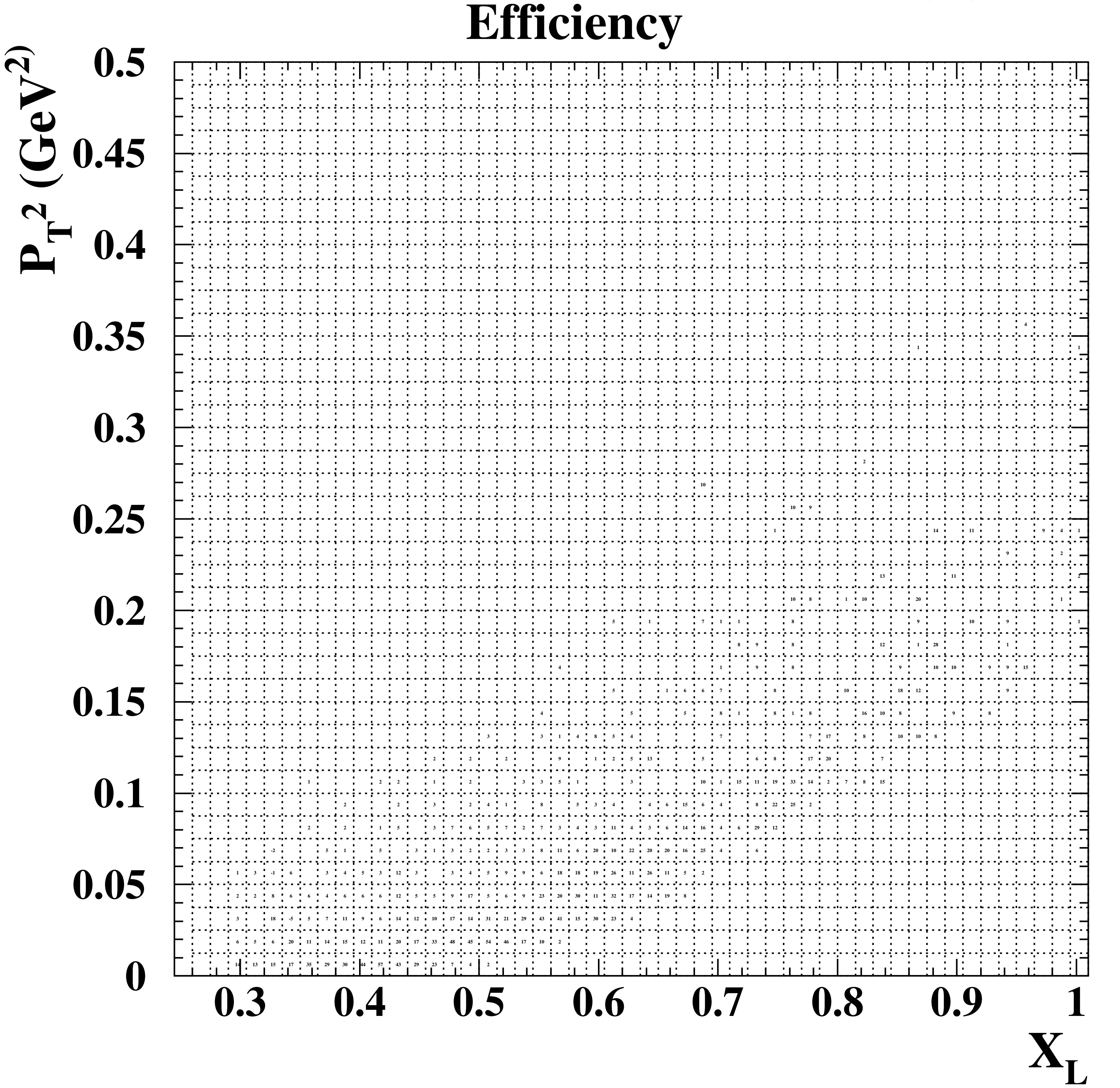
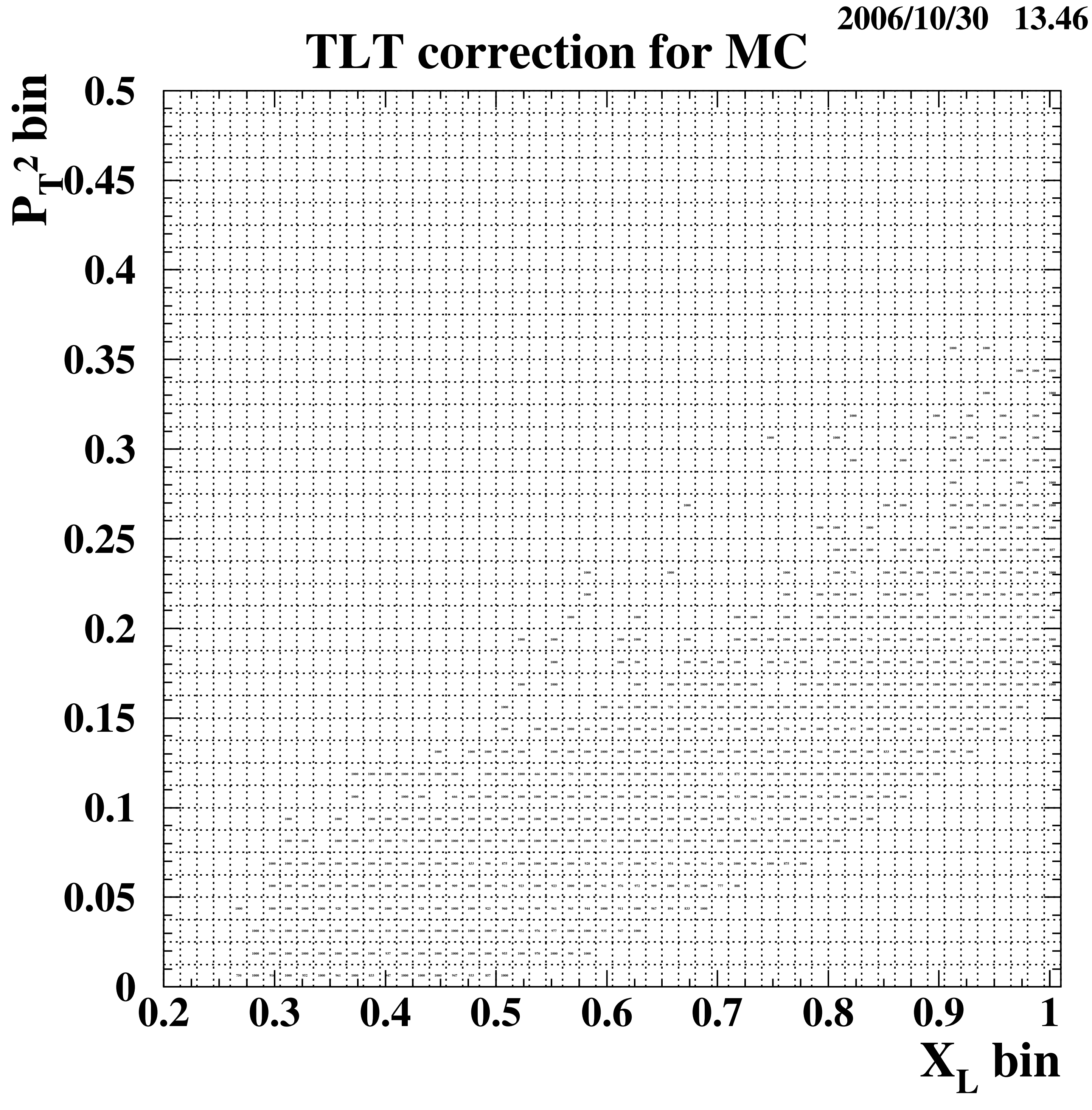


2006/10/30 13.46
Acceptance
P_T^2 (GeV^2)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L

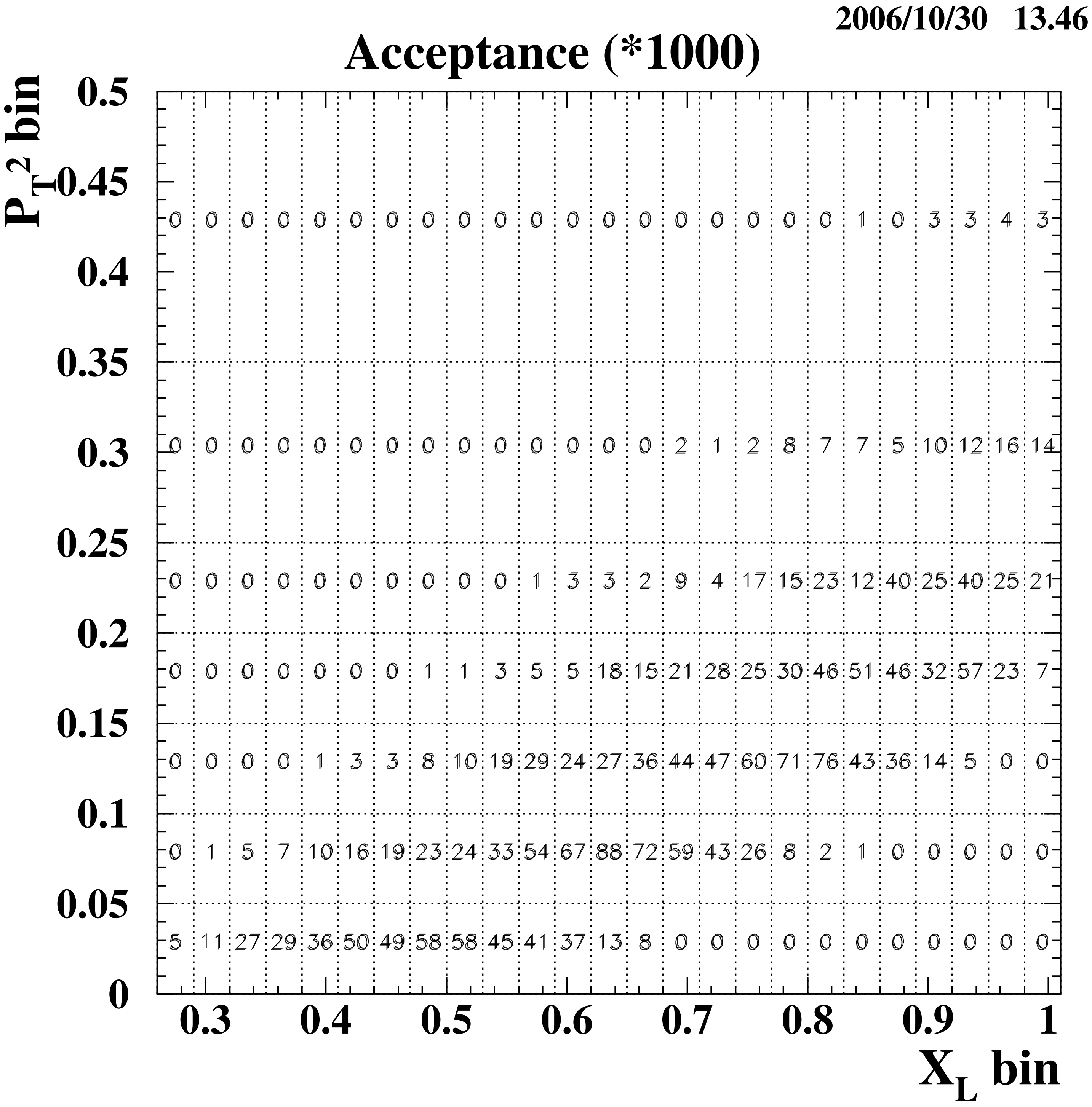
2006/10/30 13.46



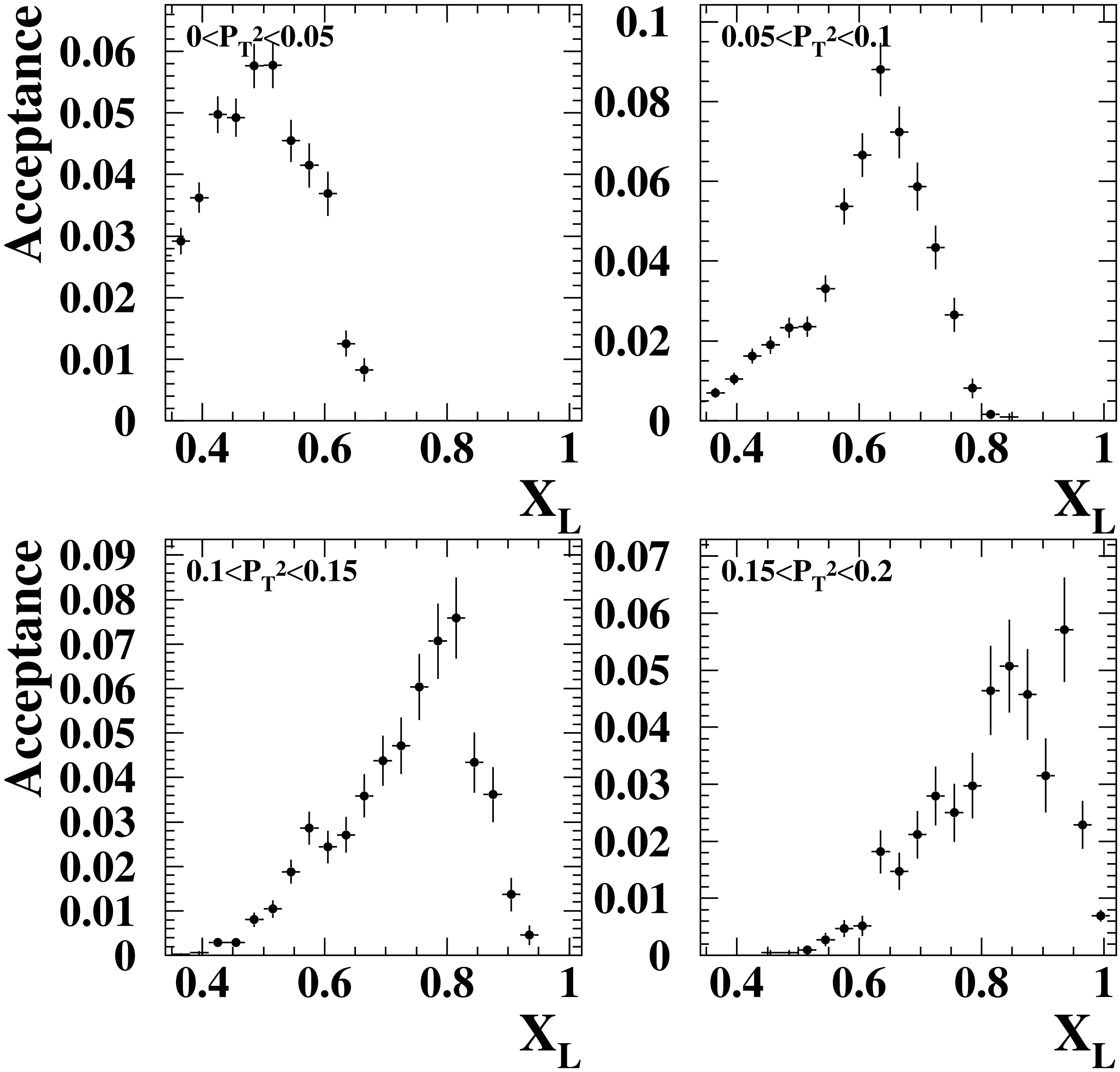

Efficiency
P_T^2 (GeV^2)
X_L
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1



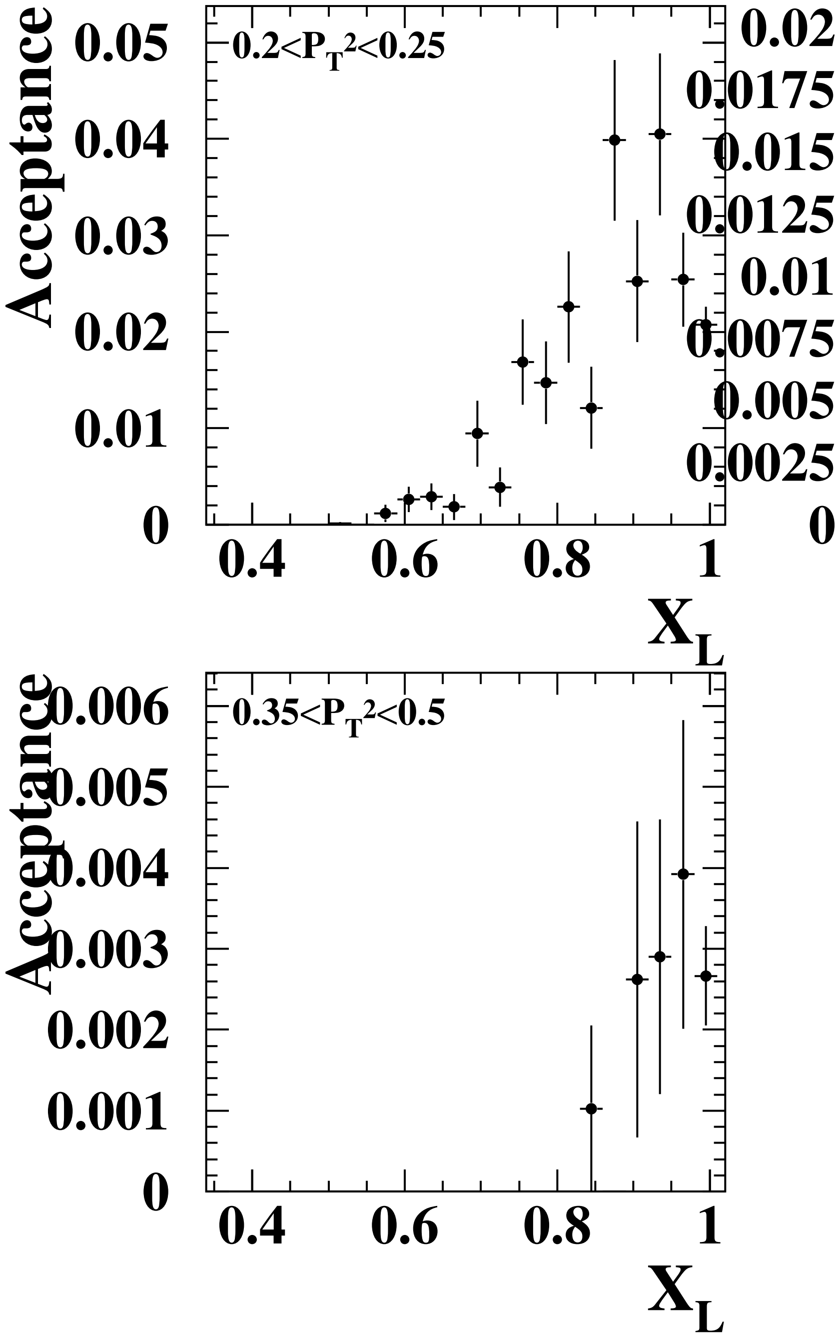
2006/10/30 13.46
TLT correction for MC
P_T^2 bin
X_L bin
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1


2006/10/30 13.46
Acceptance (*1000)
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 3 3 4 3
0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 2 8 7 7 5 10 12 16 14
0 0 0 0 0 0 0 0 0 0 1 3 3 2 9 4 17 15 23 12 40 25 40 25 21
0 0 0 0 0 0 0 1 1 3 5 5 18 15 21 28 25 30 46 51 46 32 57 23 7
0 0 0 0 1 3 3 8 10 19 29 24 27 36 44 47 60 71 76 43 36 14 5 0 0
0 1 5 7 10 16 19 23 24 33 54 67 88 72 59 43 26 8 2 1 0 0 0 0 0
5 11 27 29 36 50 49 58 58 45 41 37 13 8 0 0 0 0 0 0 0 0 0 0 0
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
P_T^2 bin
X_L bin

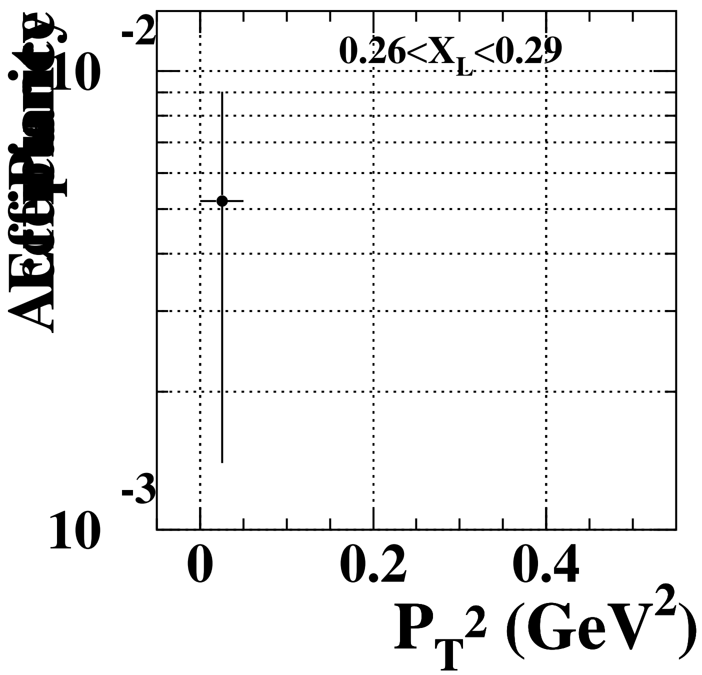
2006/10/30 13.46



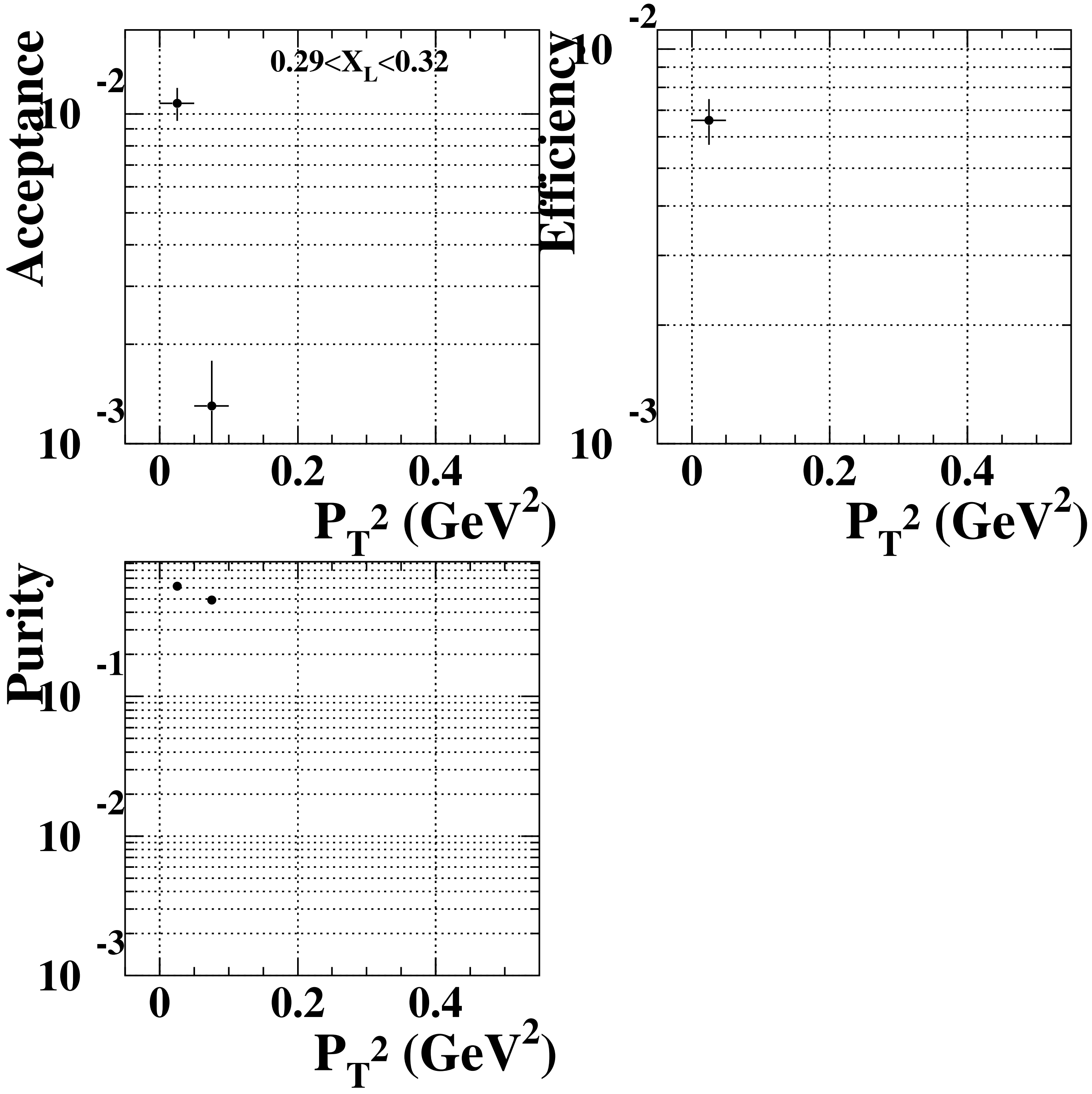
2006/10/30 13.46



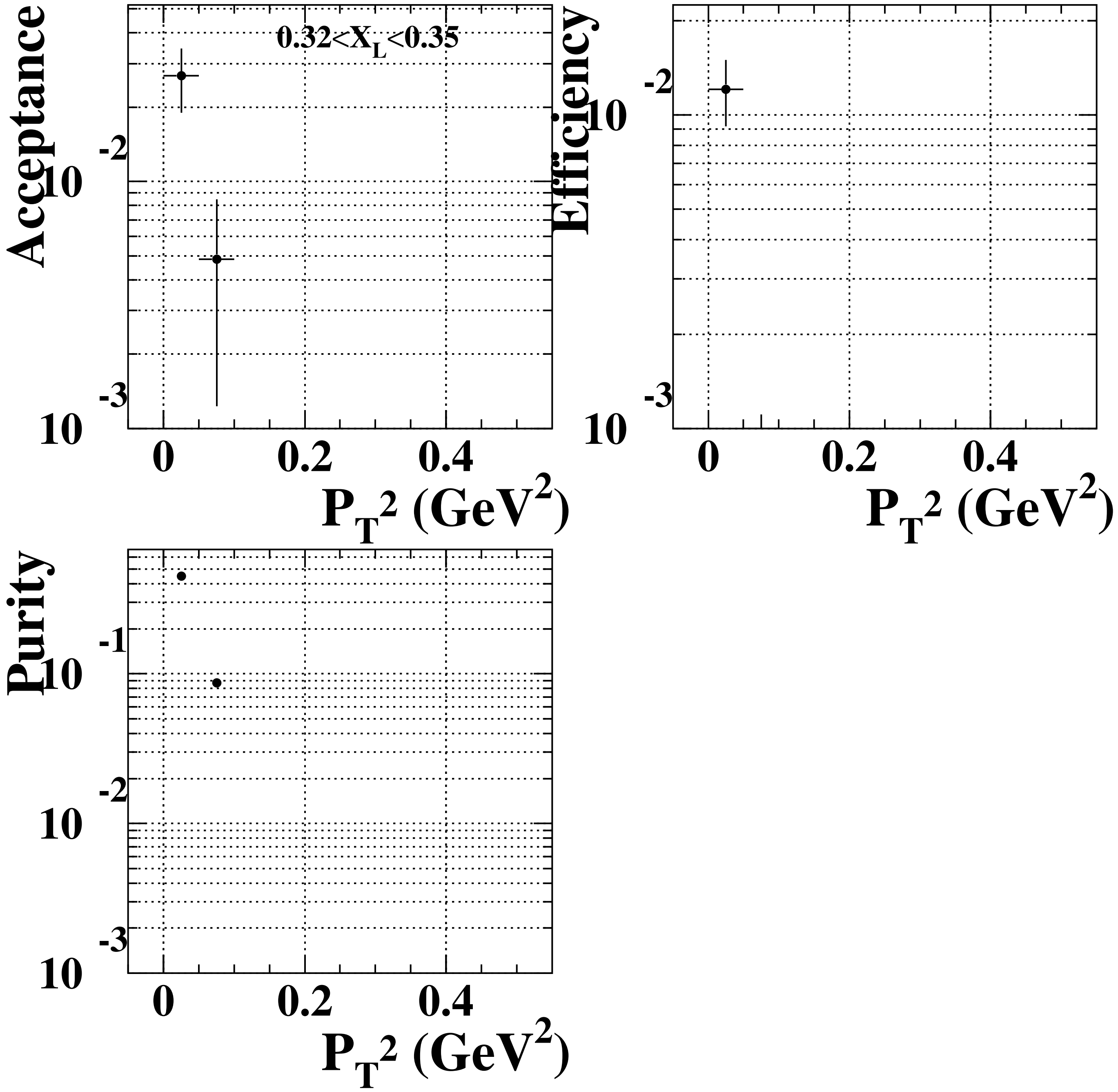
2006/10/30 13.46



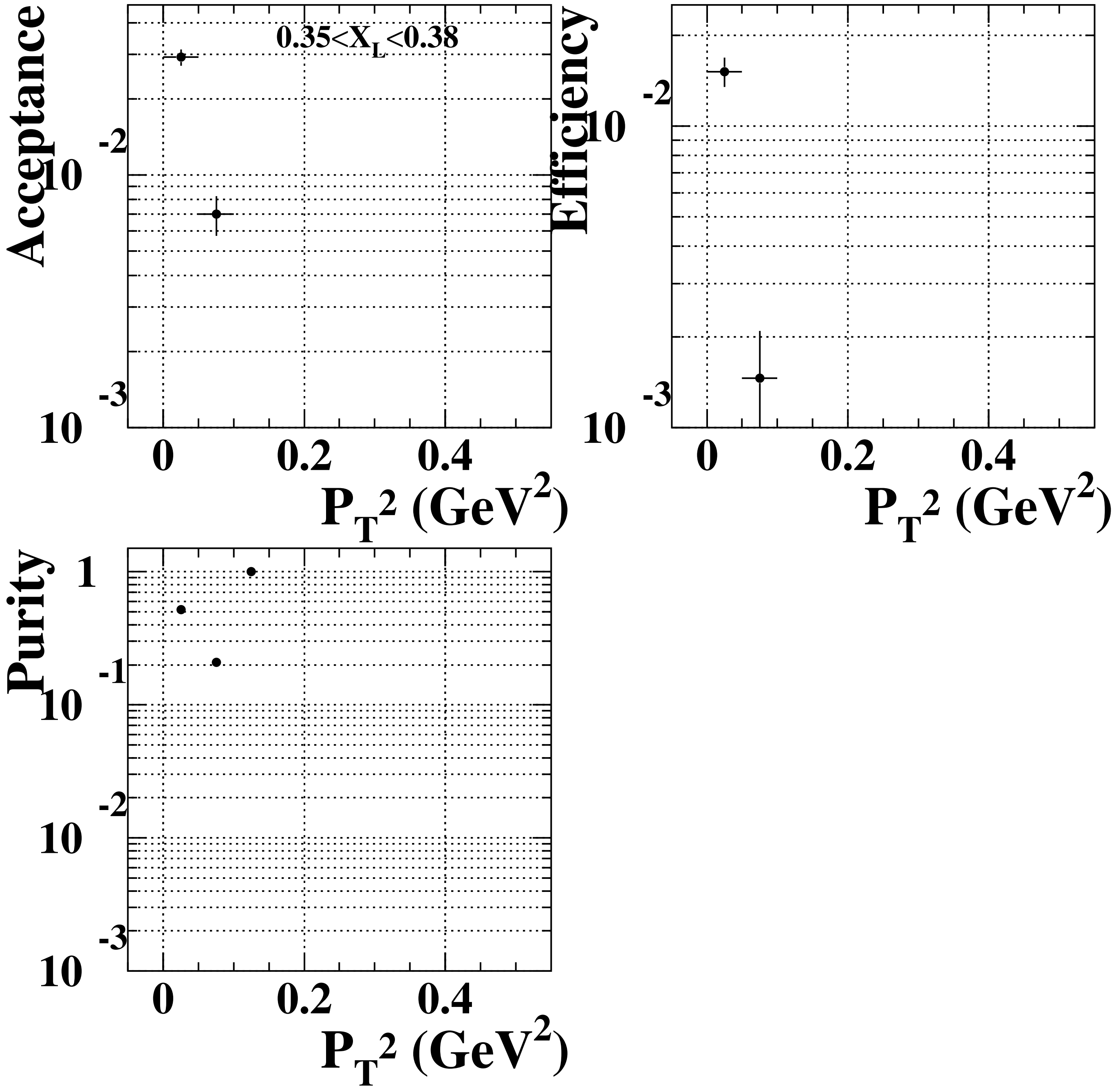
2006/10/30 13.46



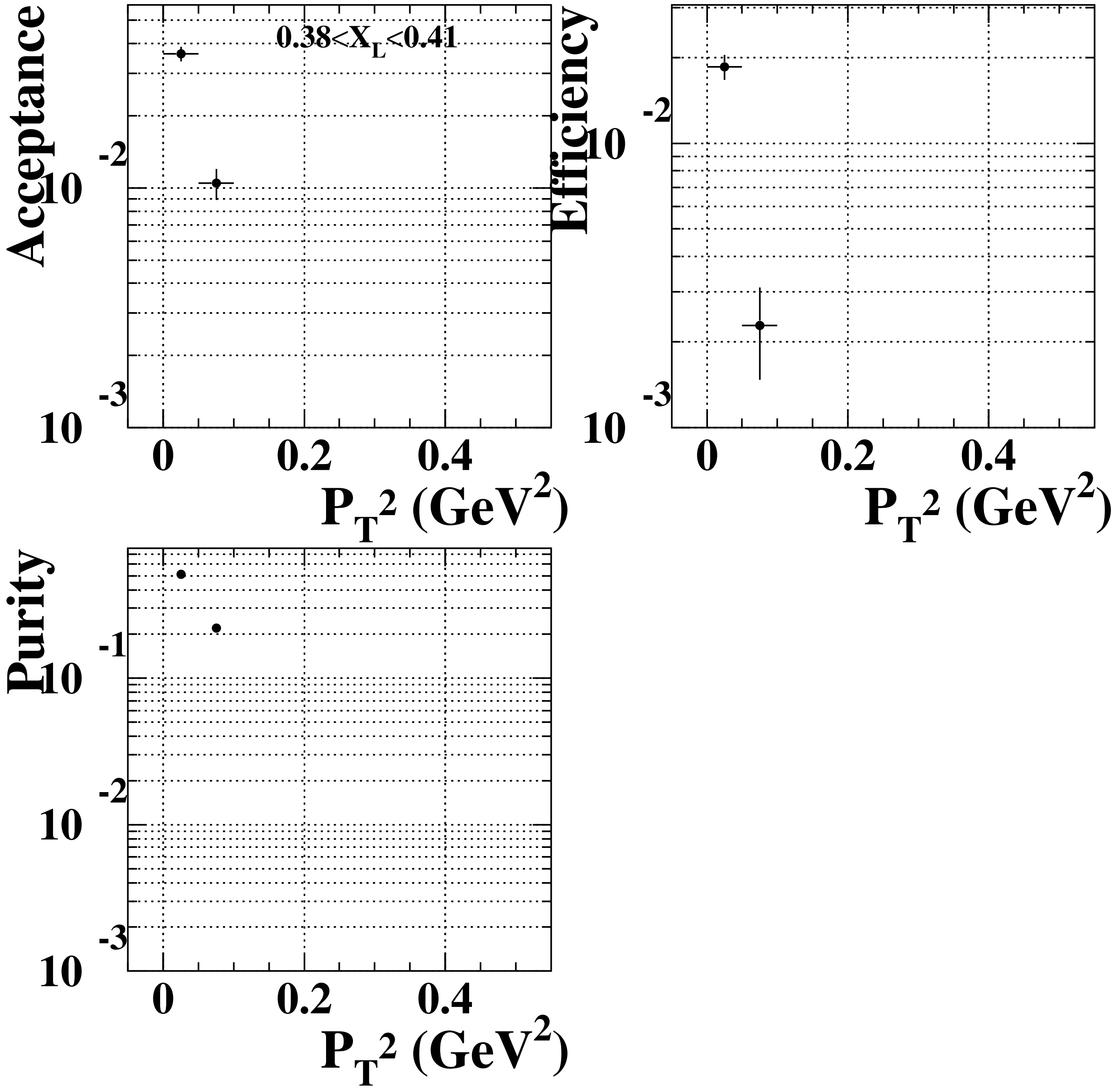
2006/10/30 13.46



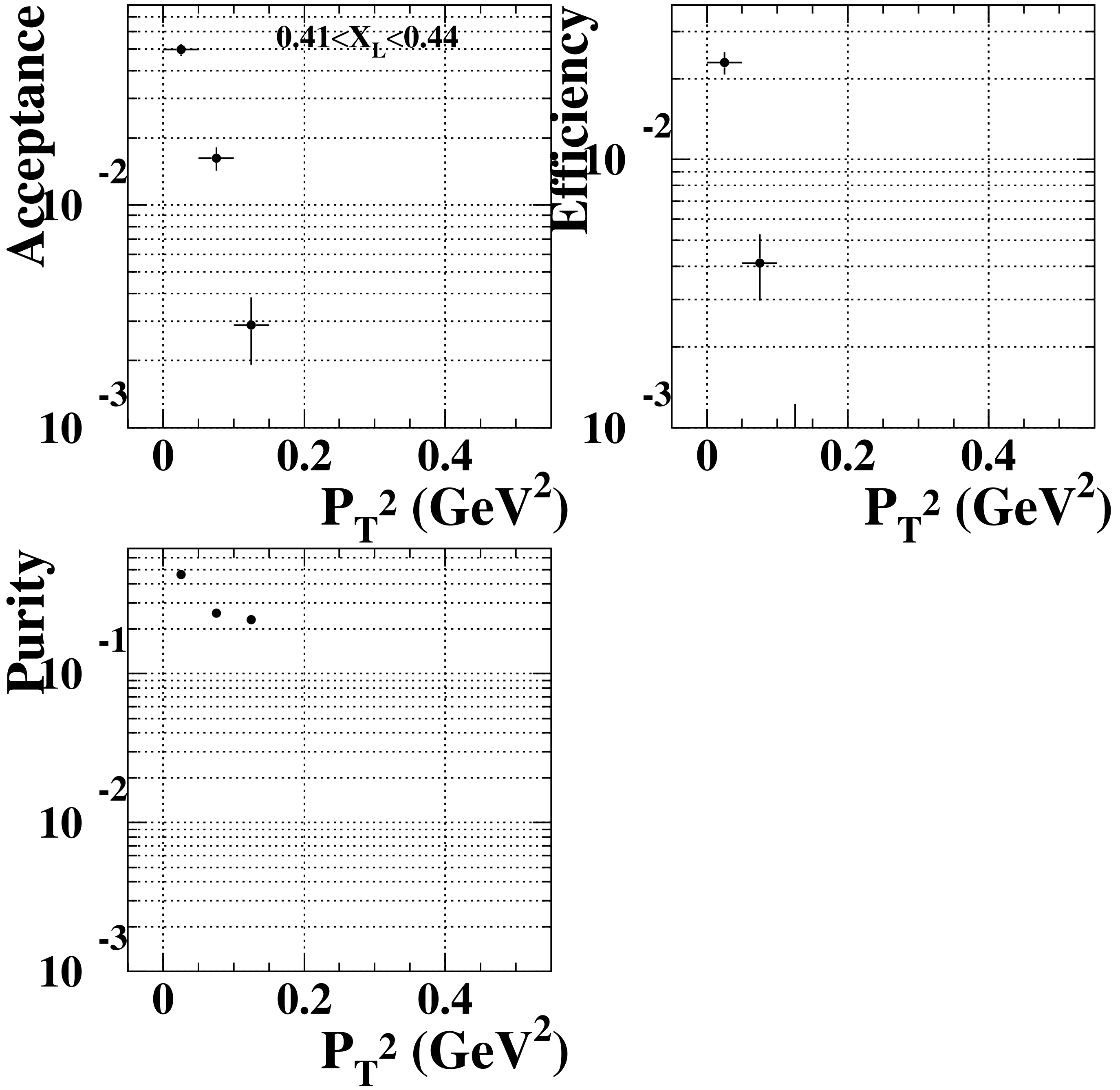
2006/10/30   13.46



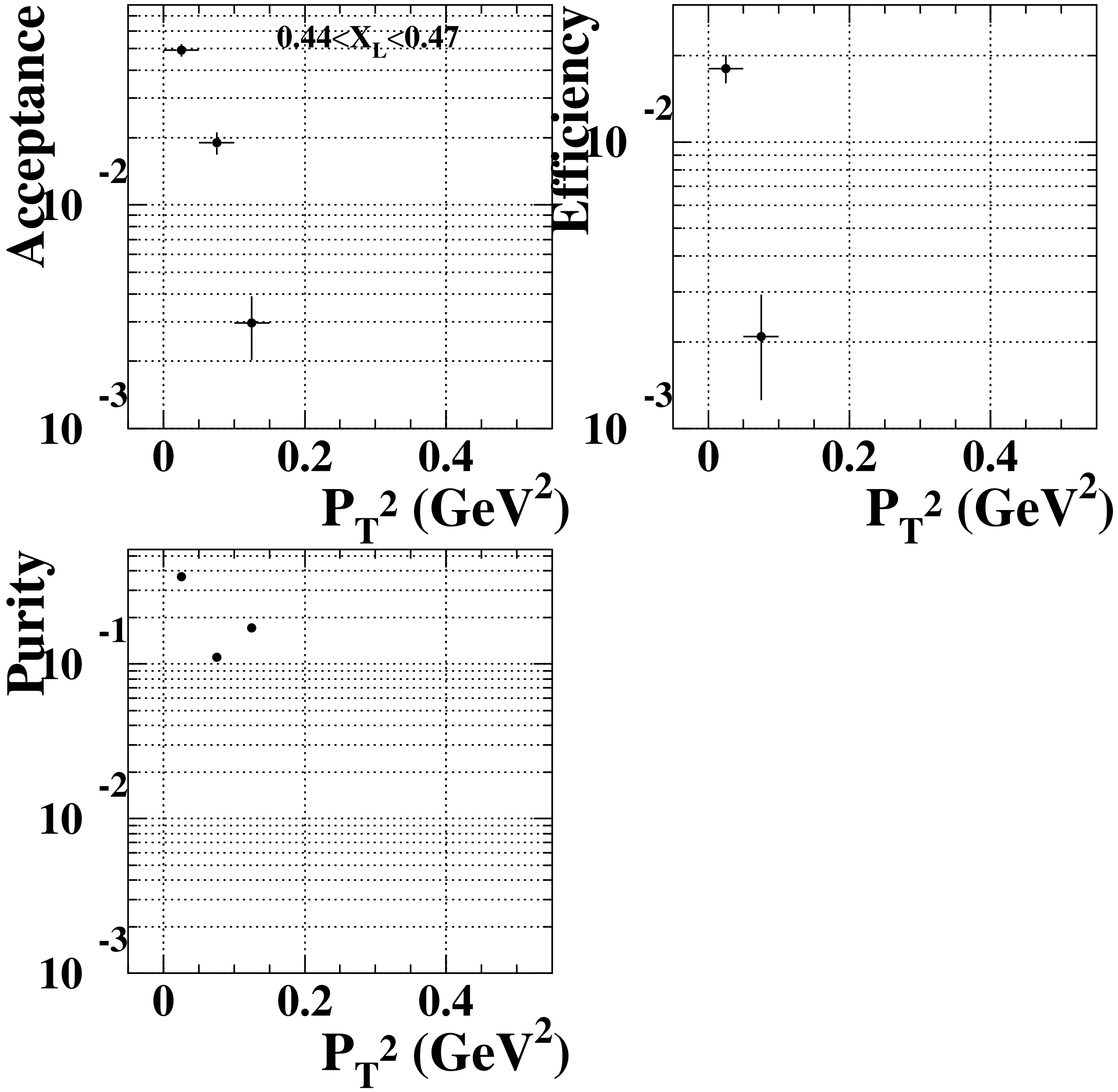
2006/10/30 13.46



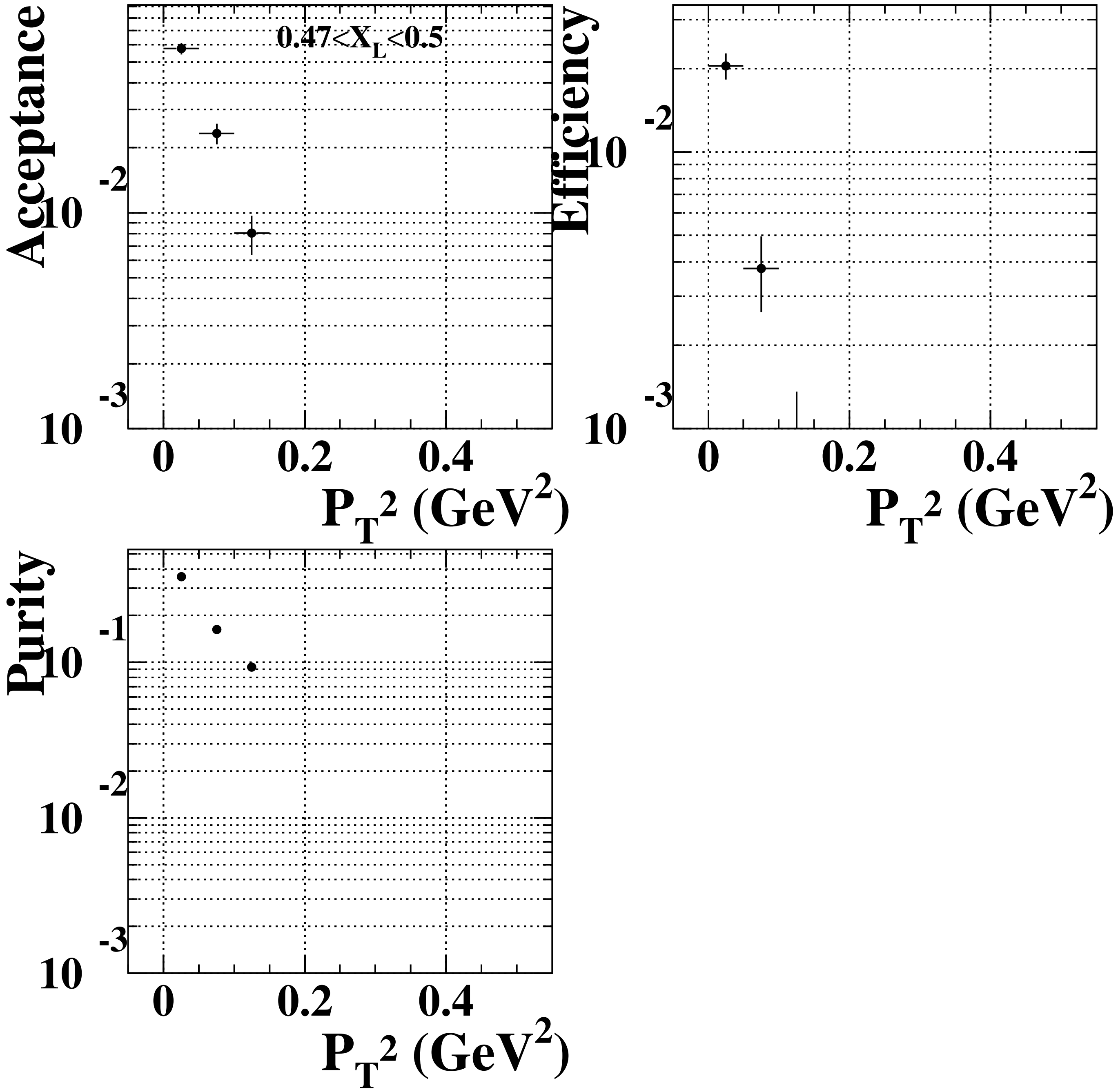
2006/10/30   13.46



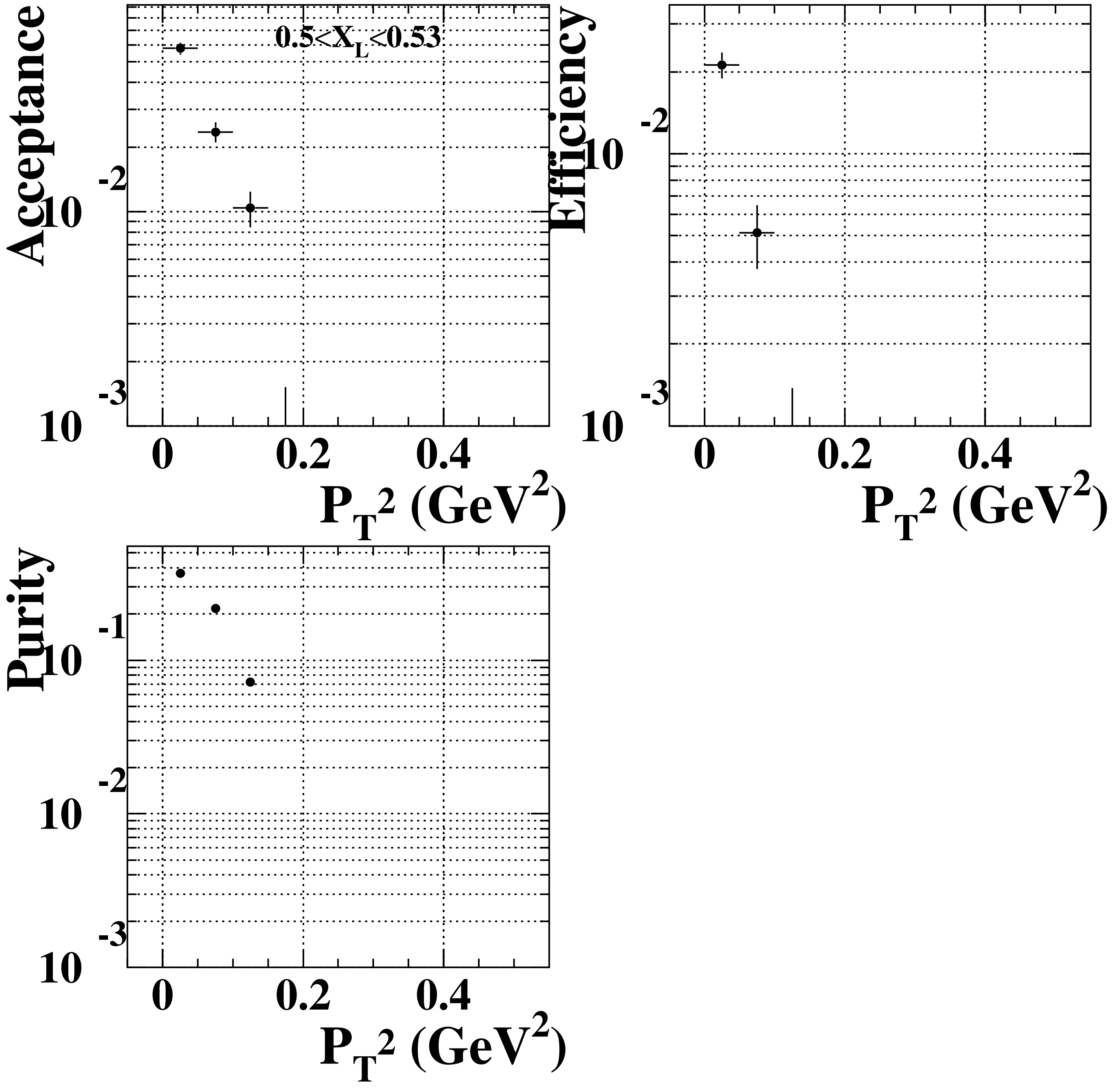
2006/10/30 13.46



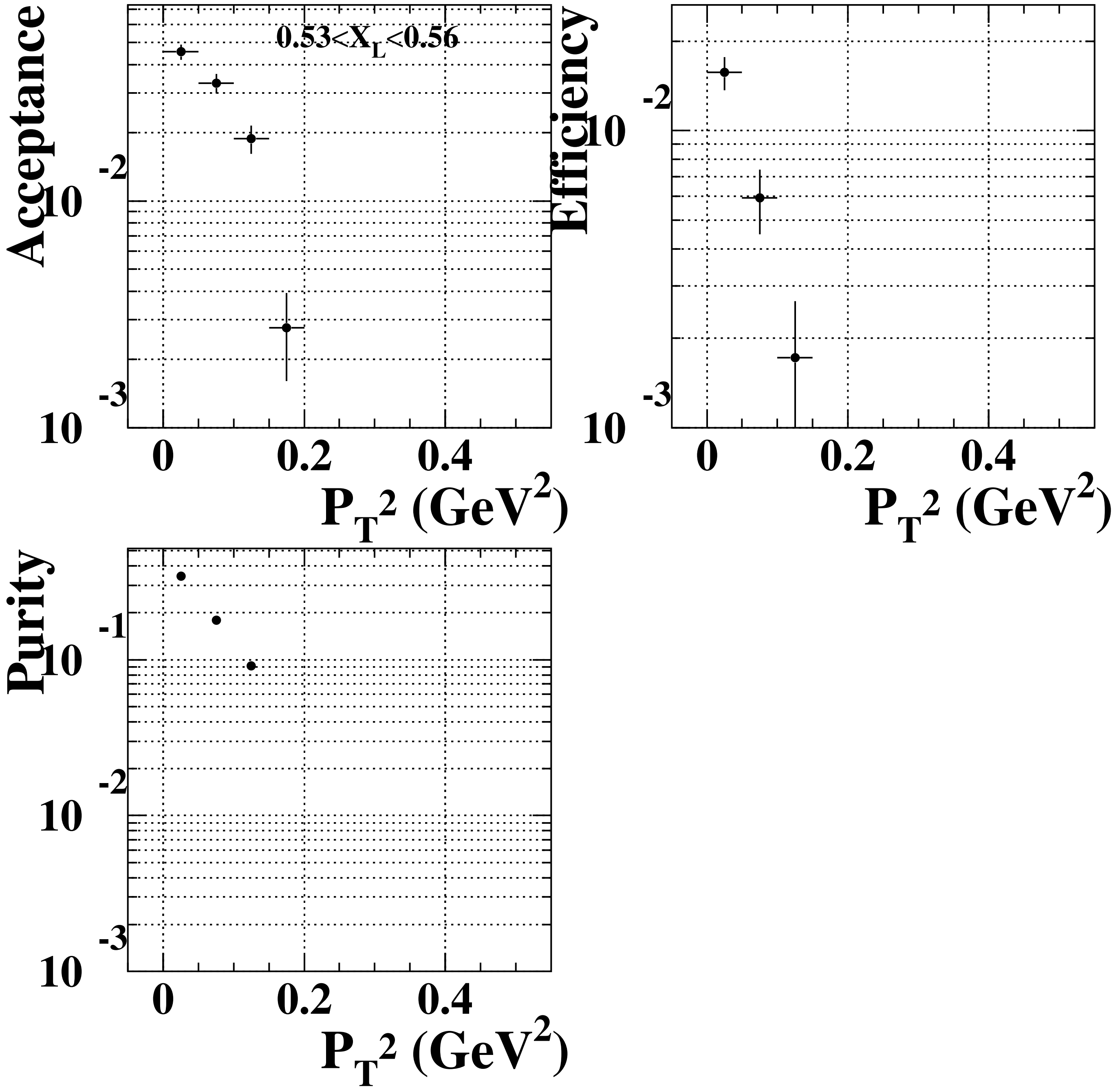
2006/10/30 13.46



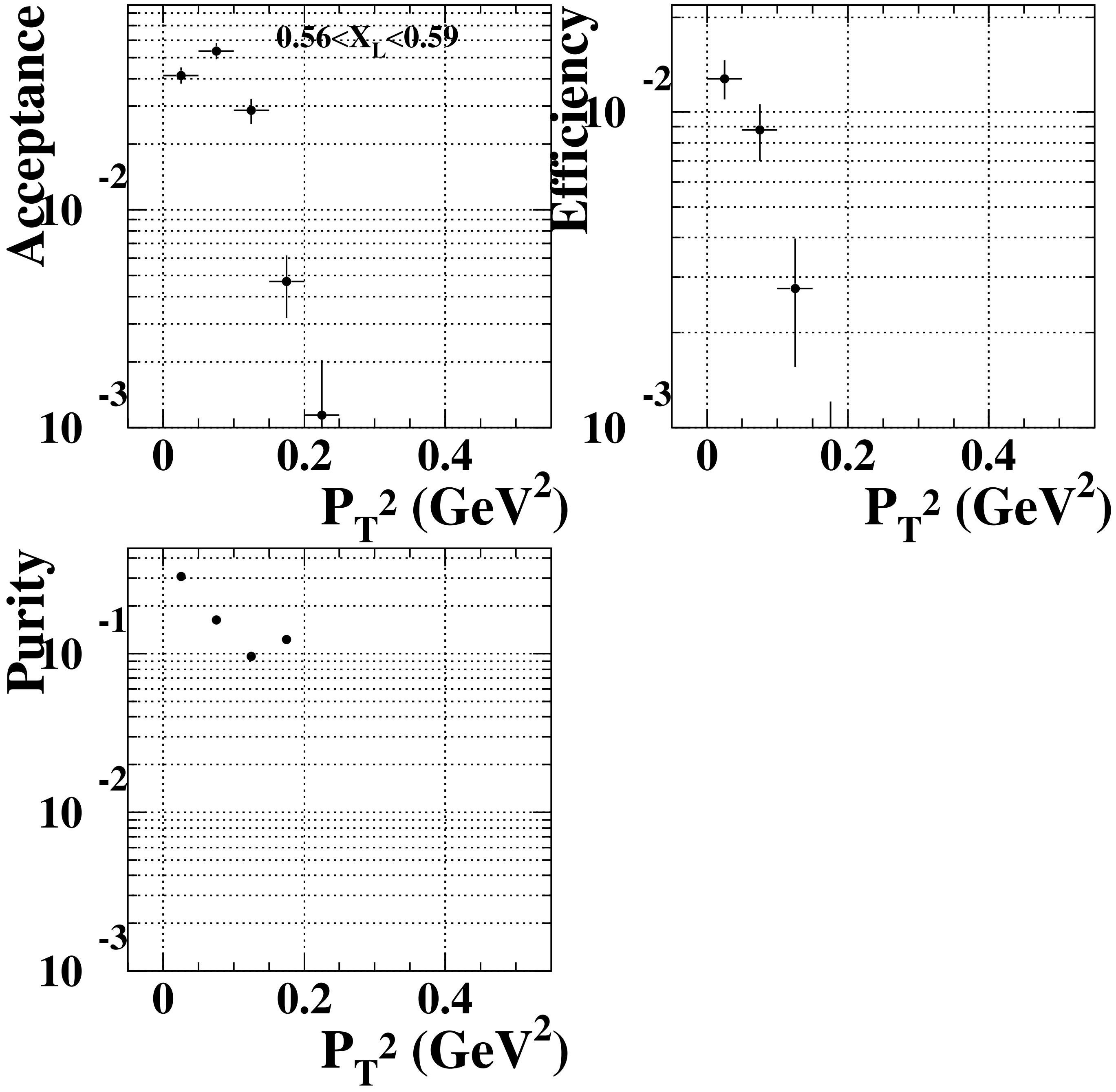
2006/10/30 13.46



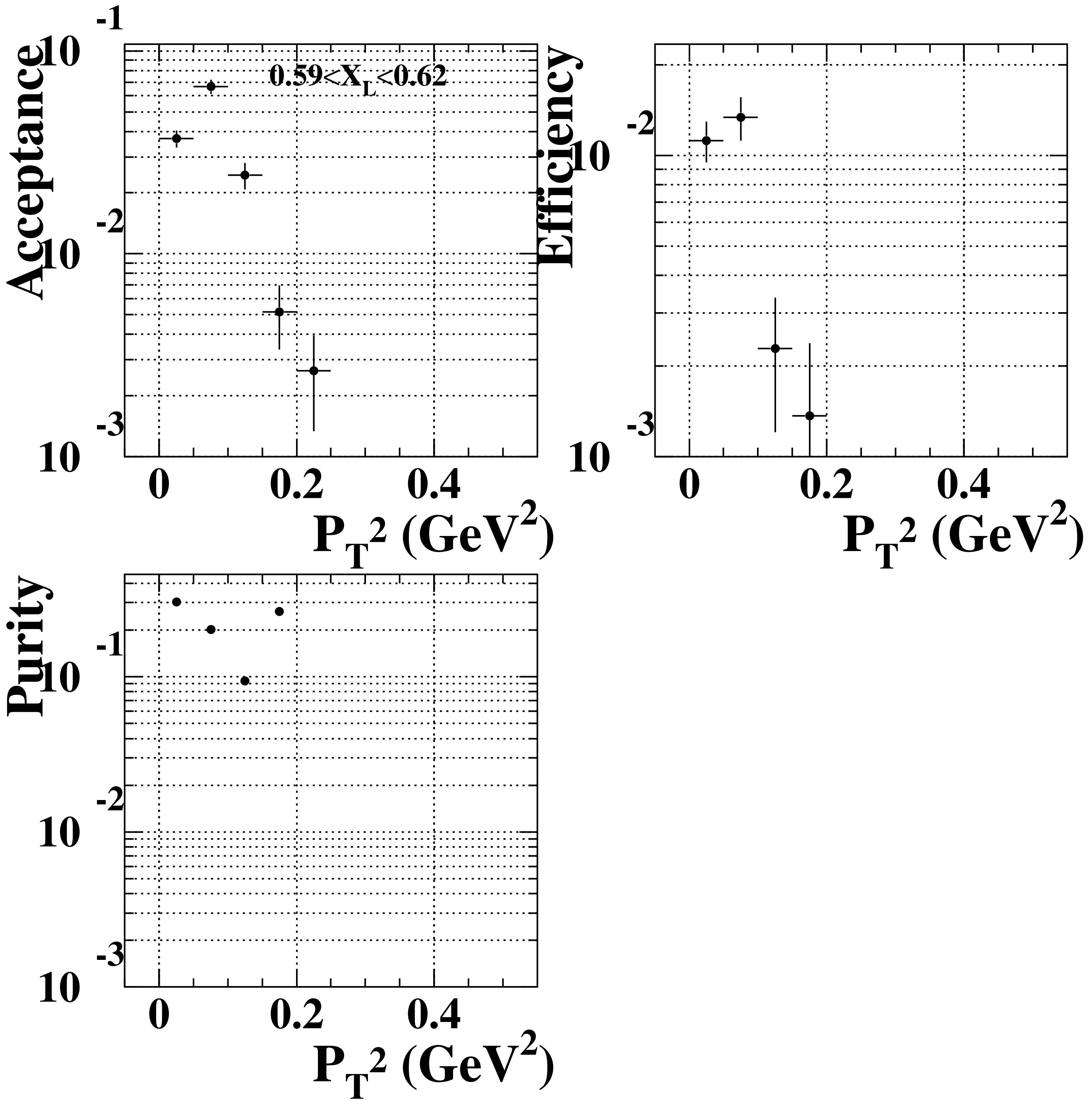
2006/10/30 13.46



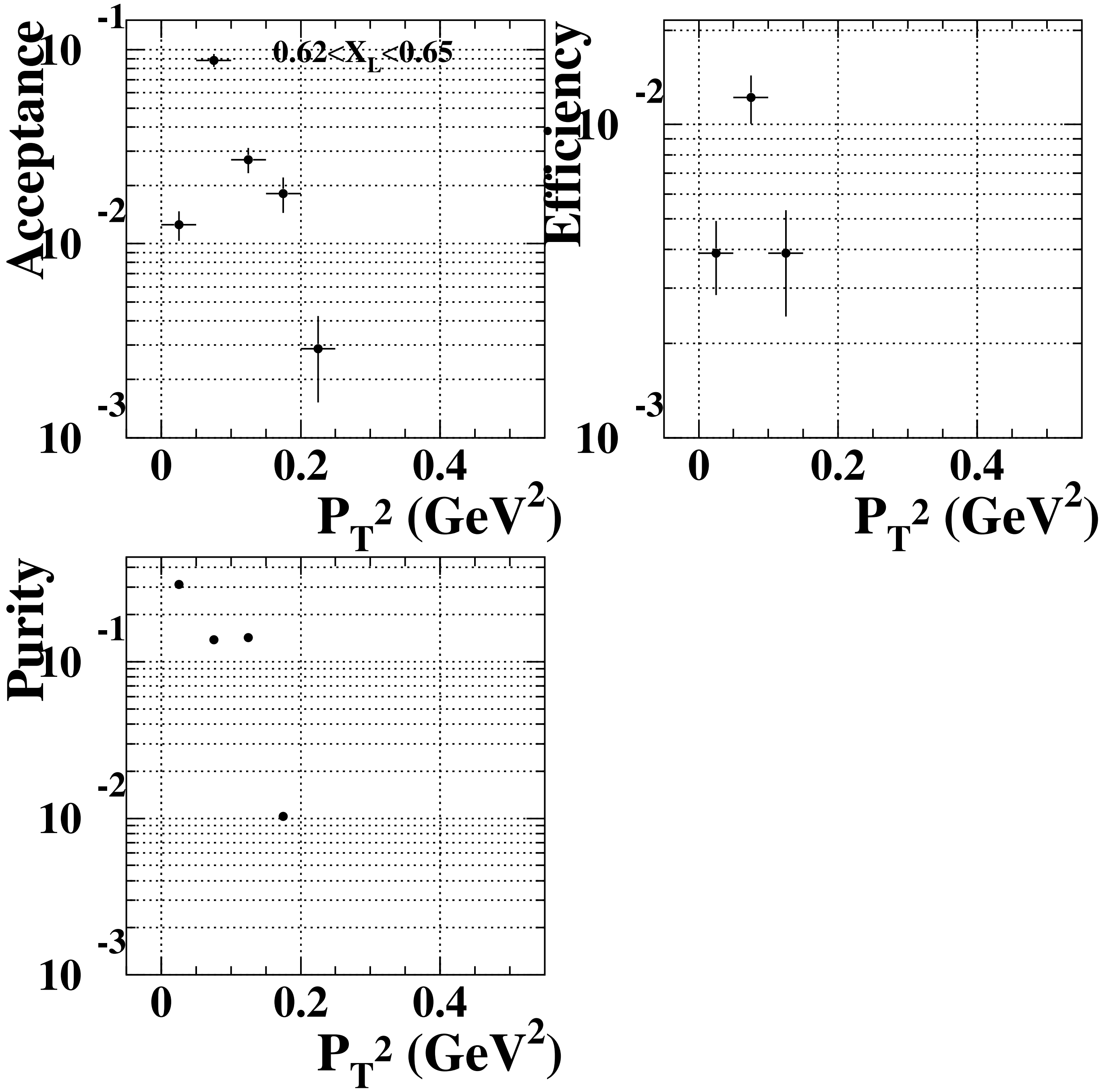
2006/10/30 13.46



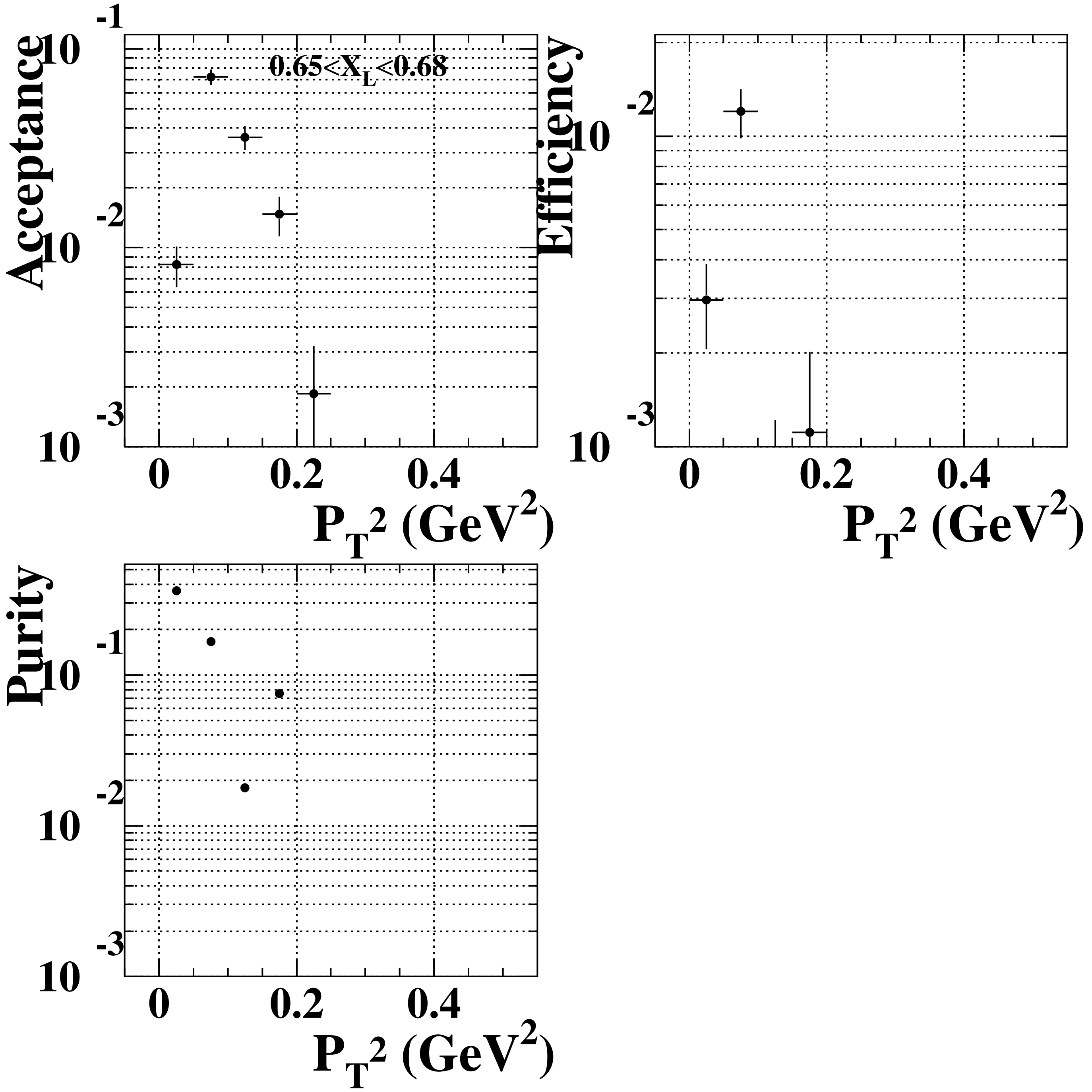
2006/10/30 13.46



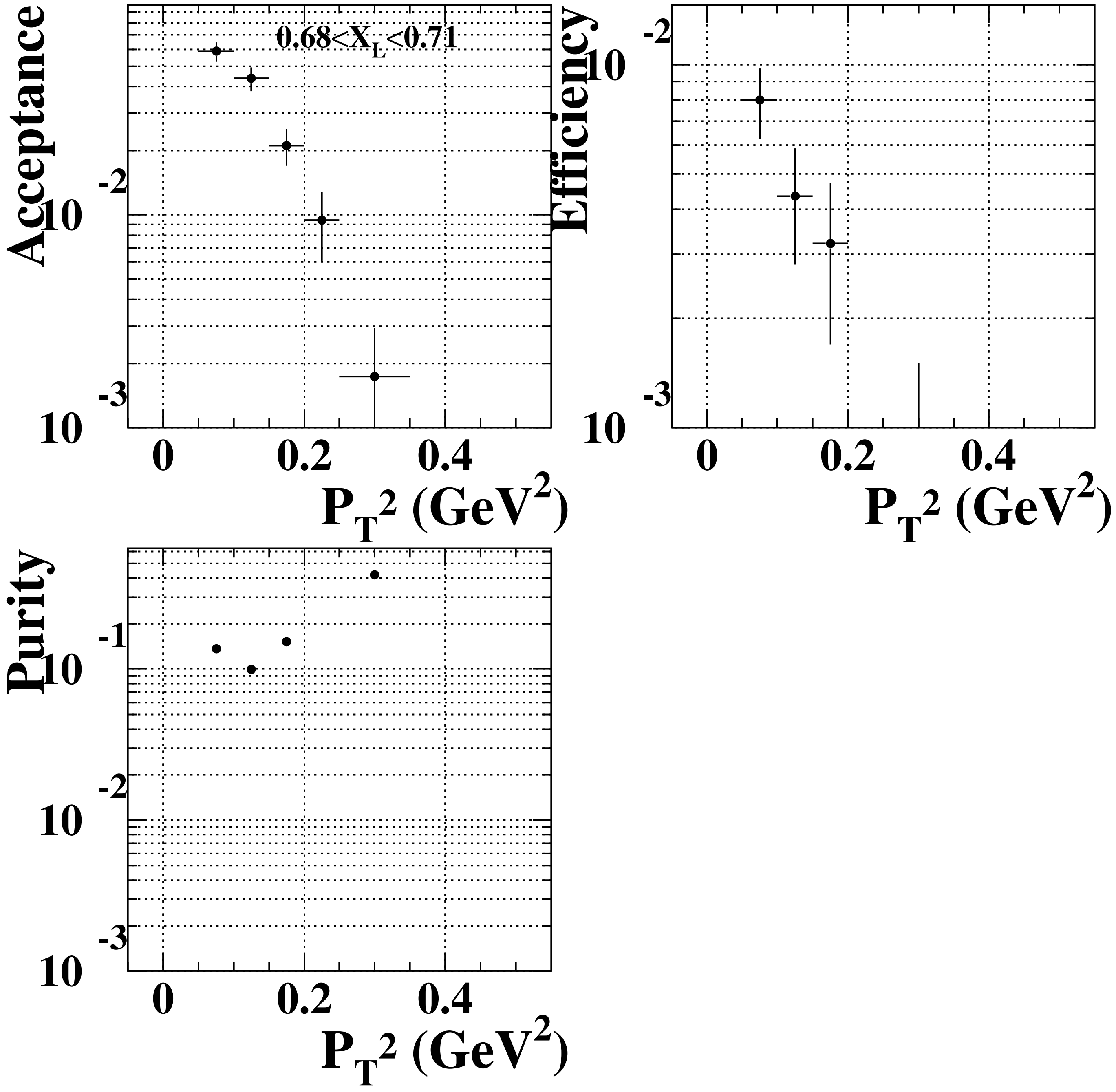
2006/10/30 13.46



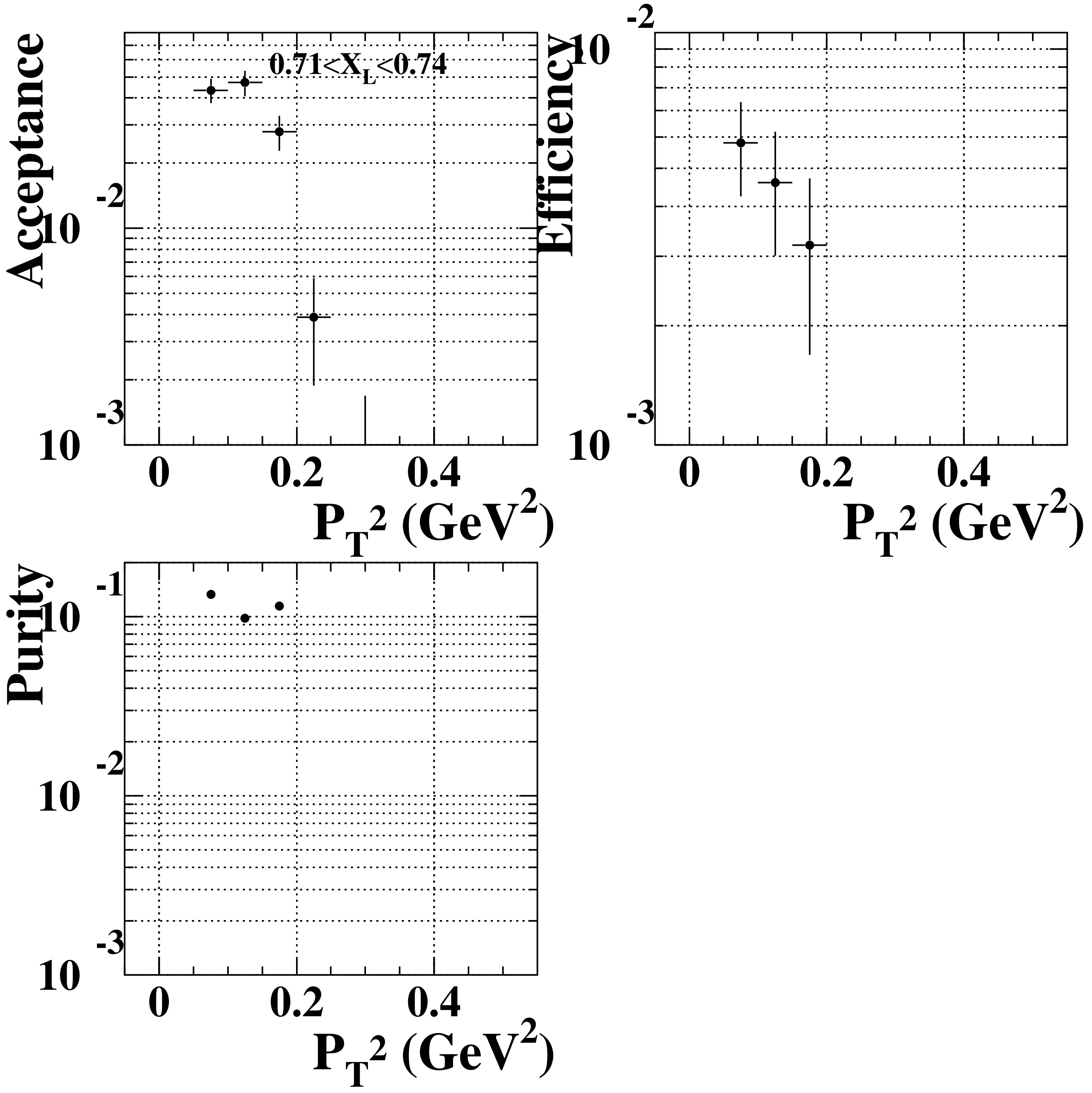
2006/10/30 13.46



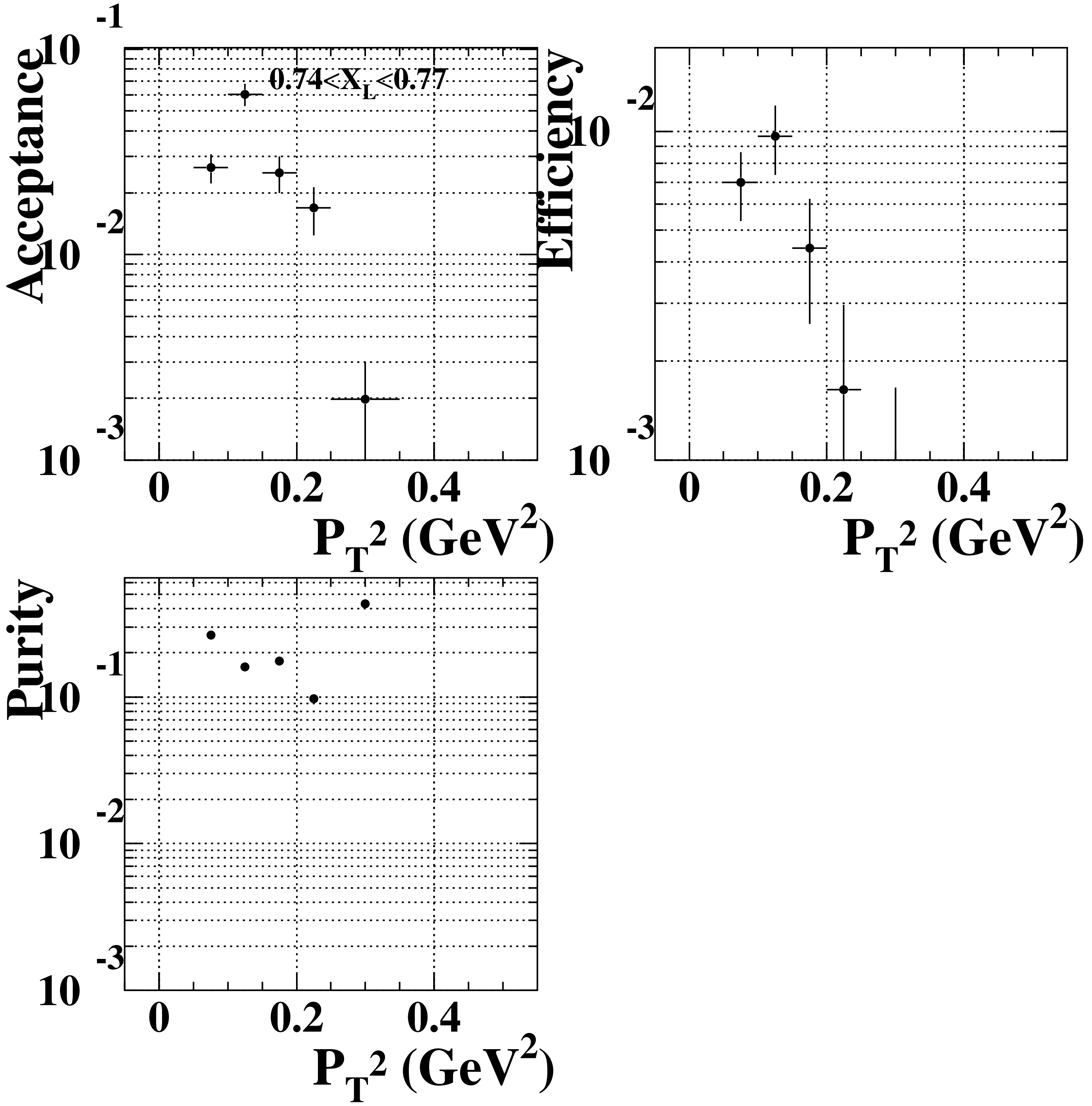
2006/10/30   13.46



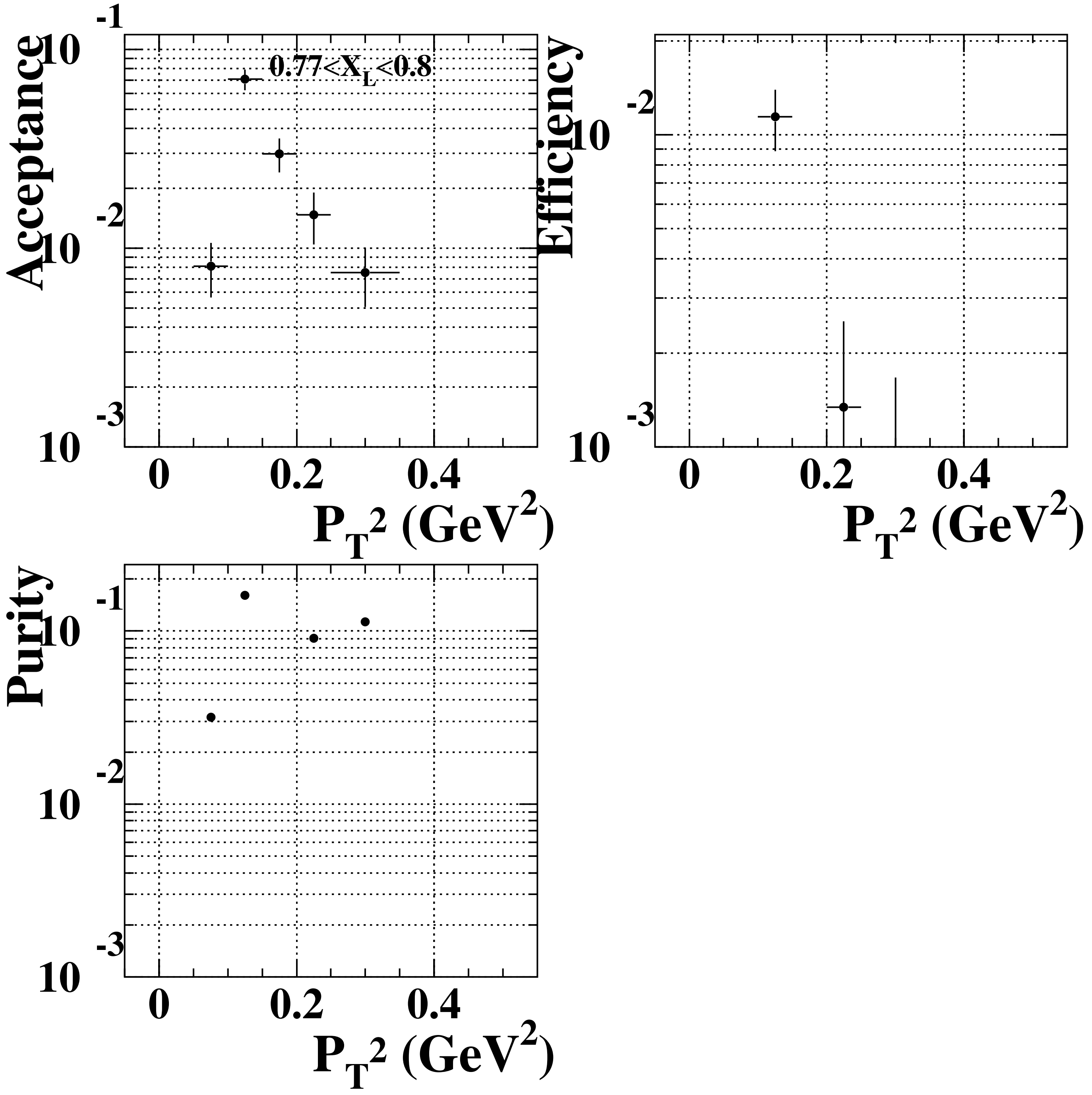
2006/10/30 13.46



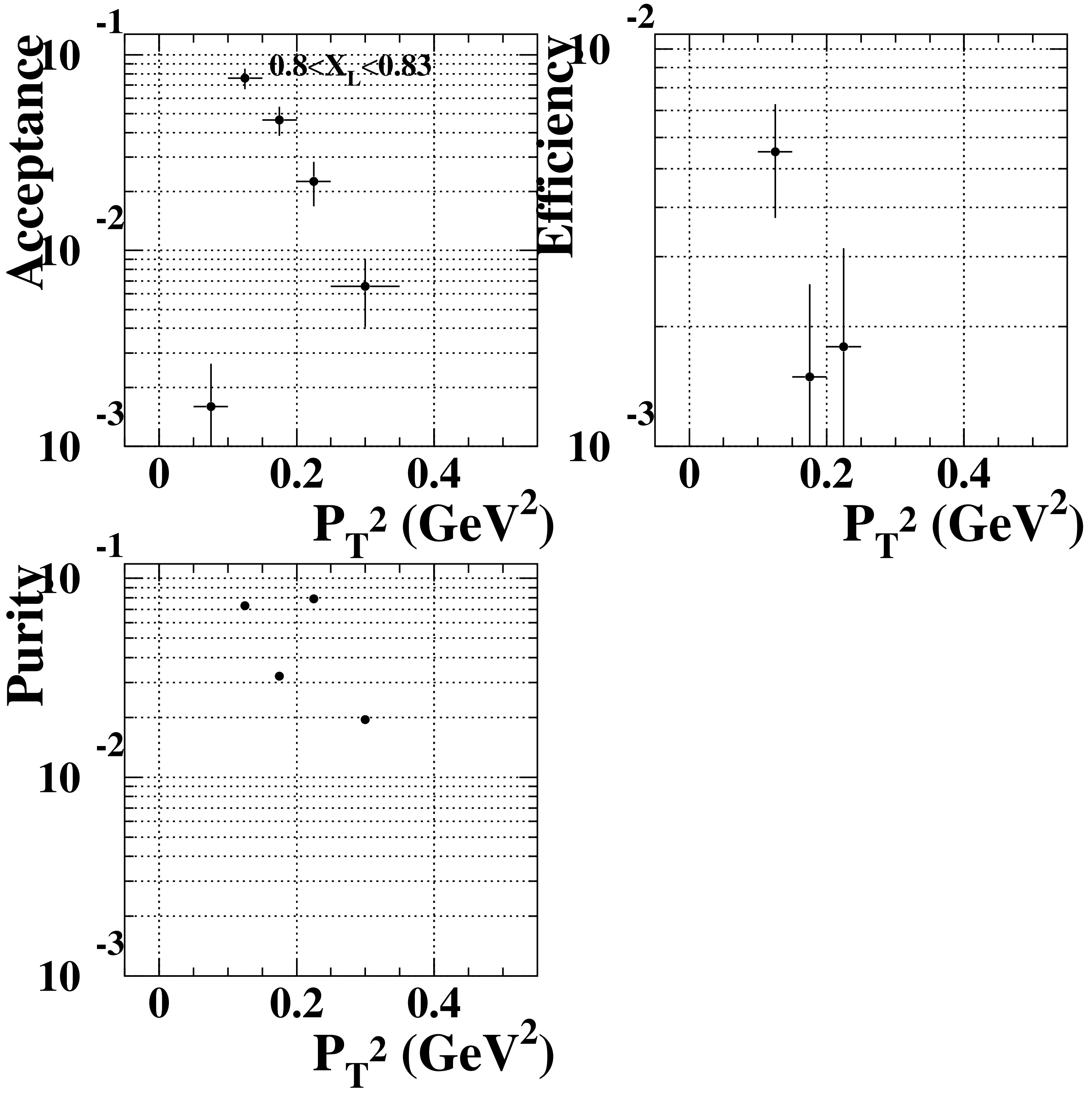
2006/10/30 13.46



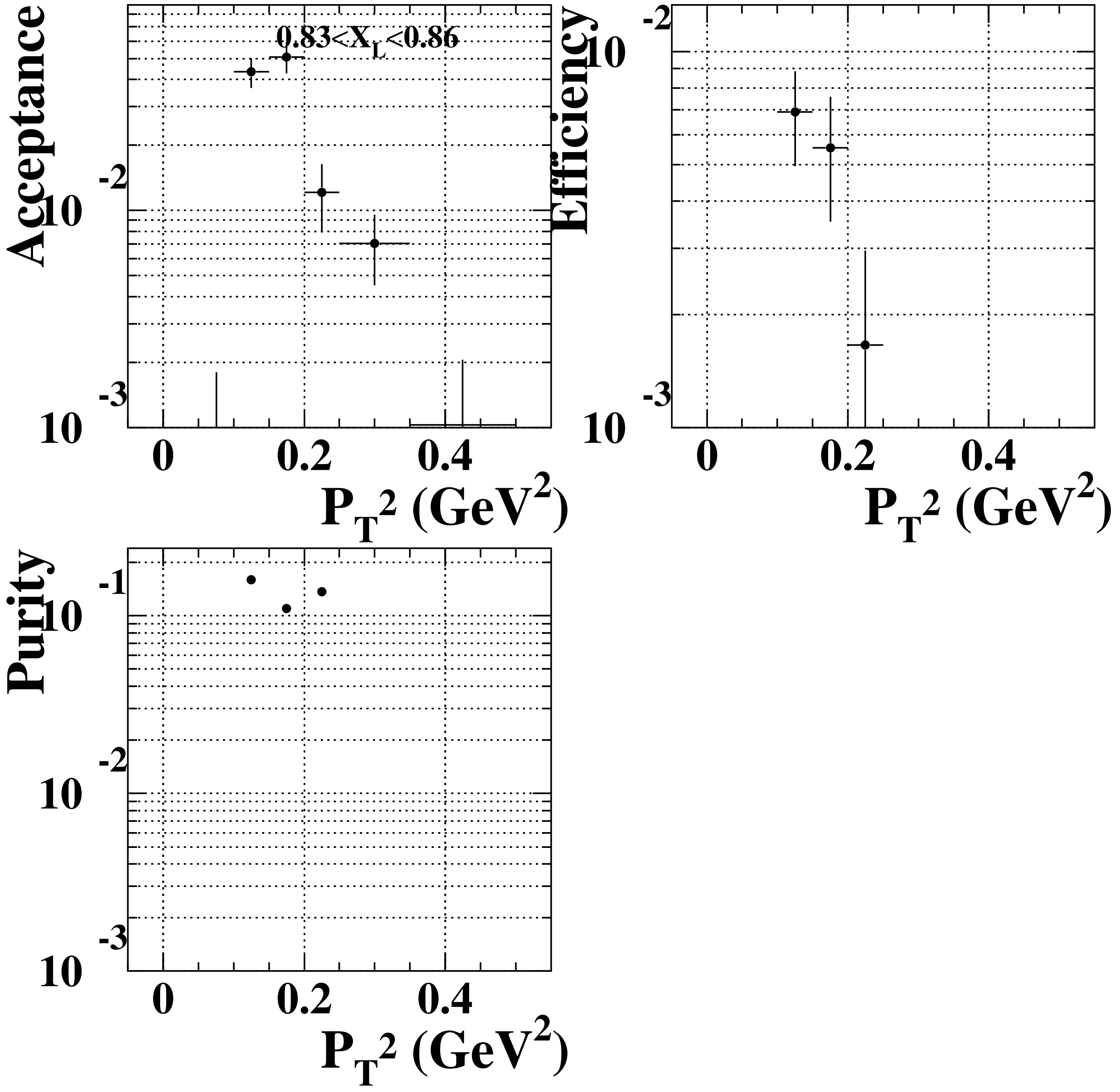
2006/10/30 13.46



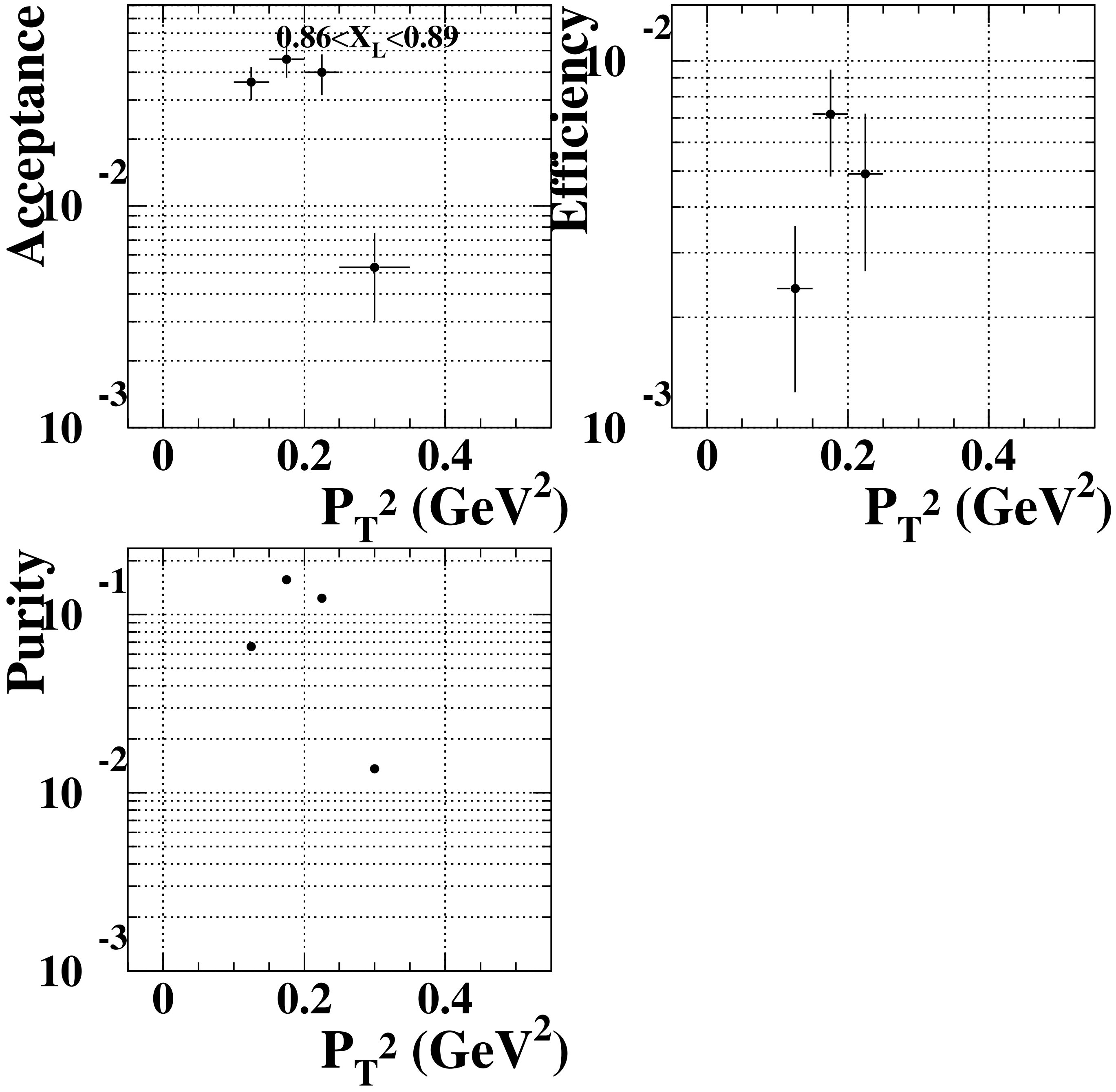
2006/10/30 13.46



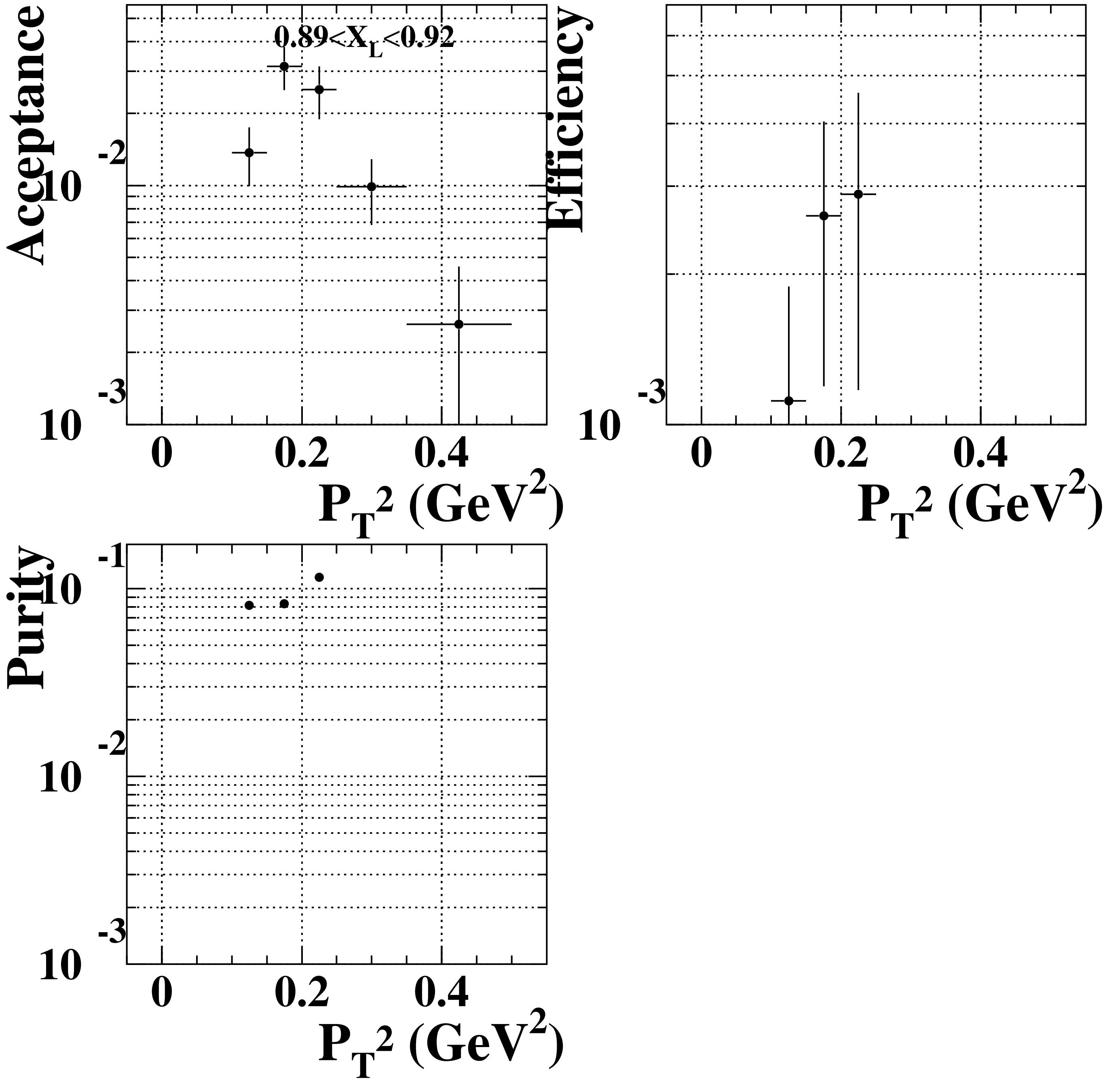
2006/10/30 13.46



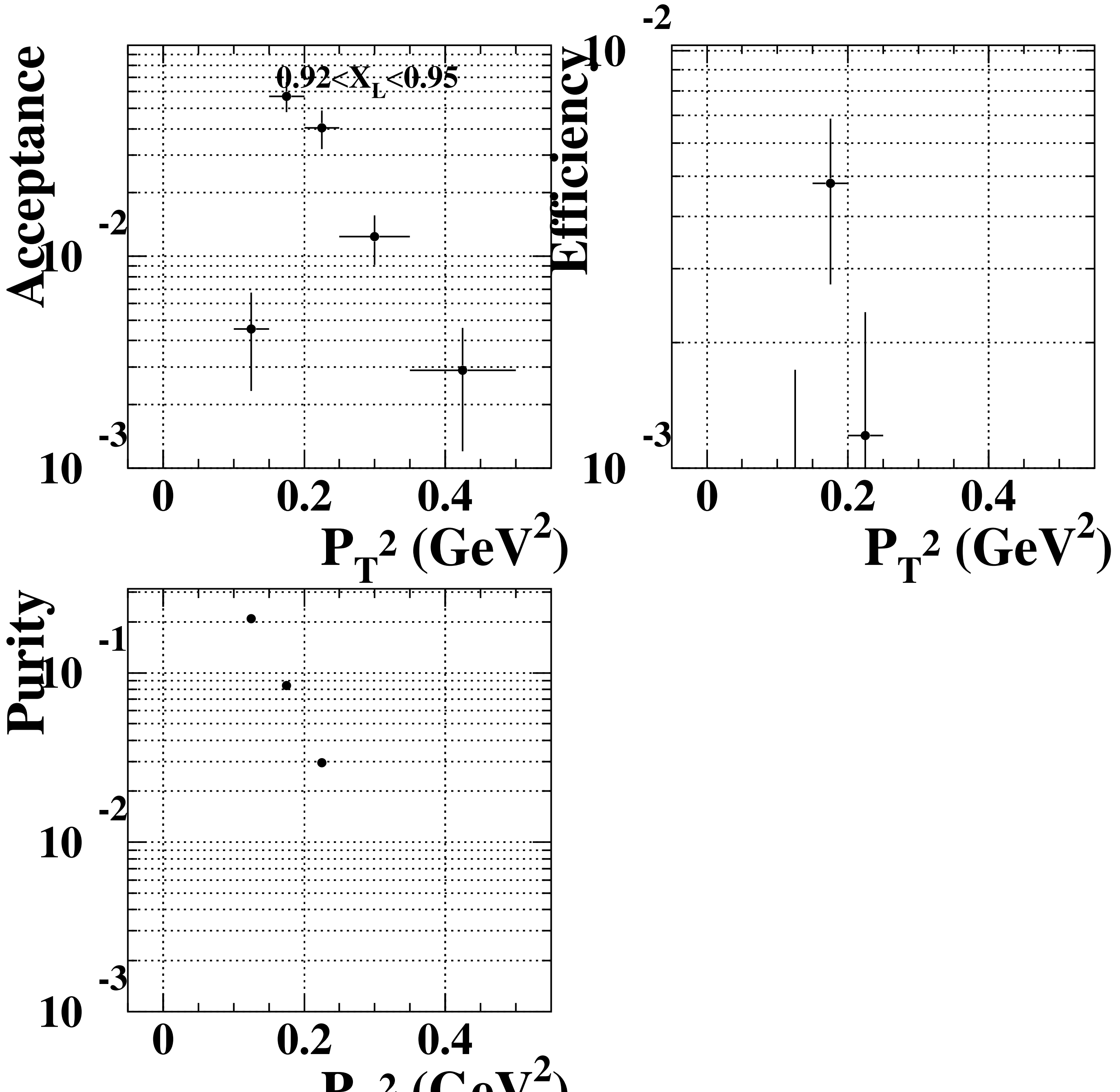
2006/10/30 13.46



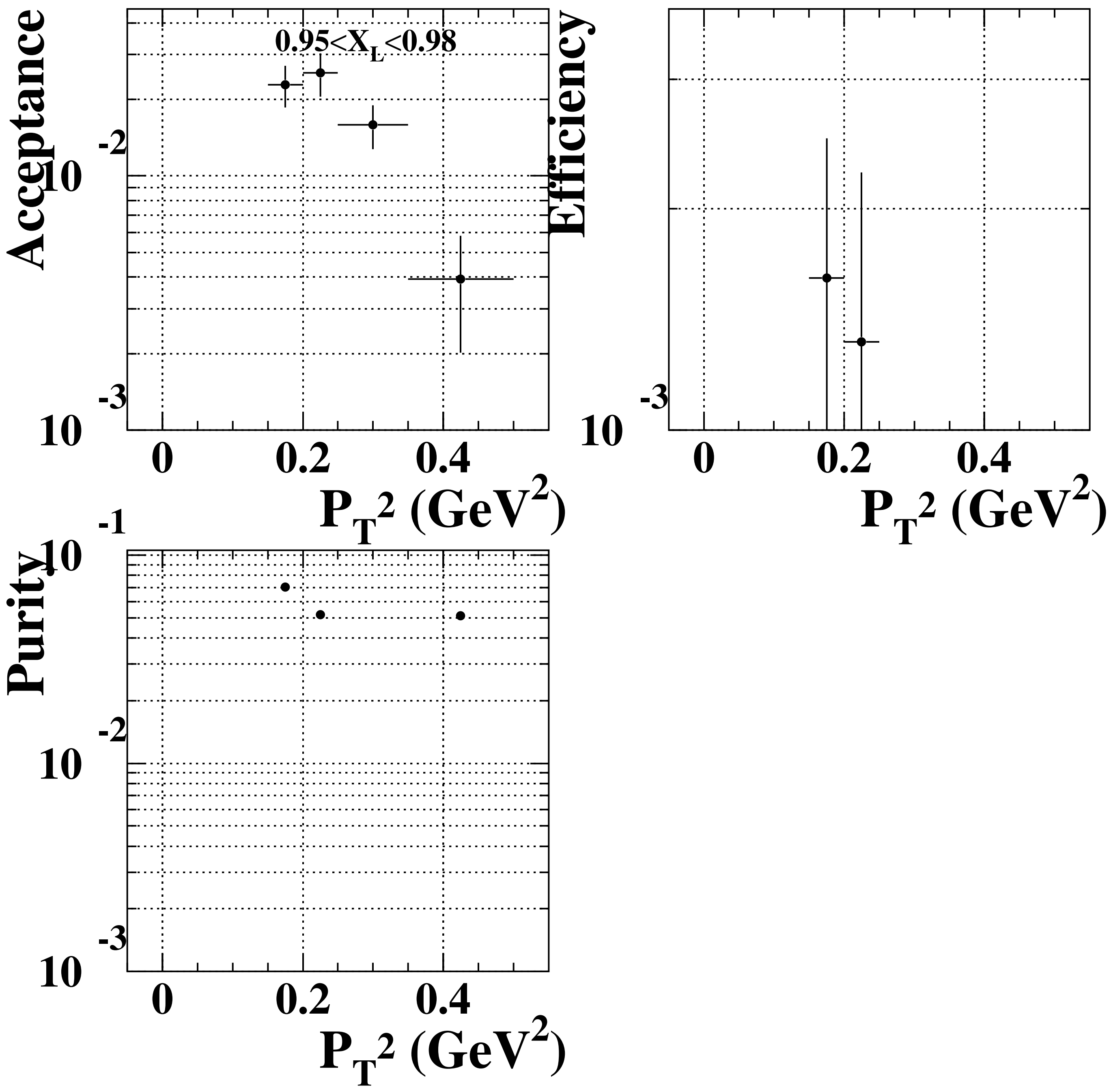
2006/10/30 13.46



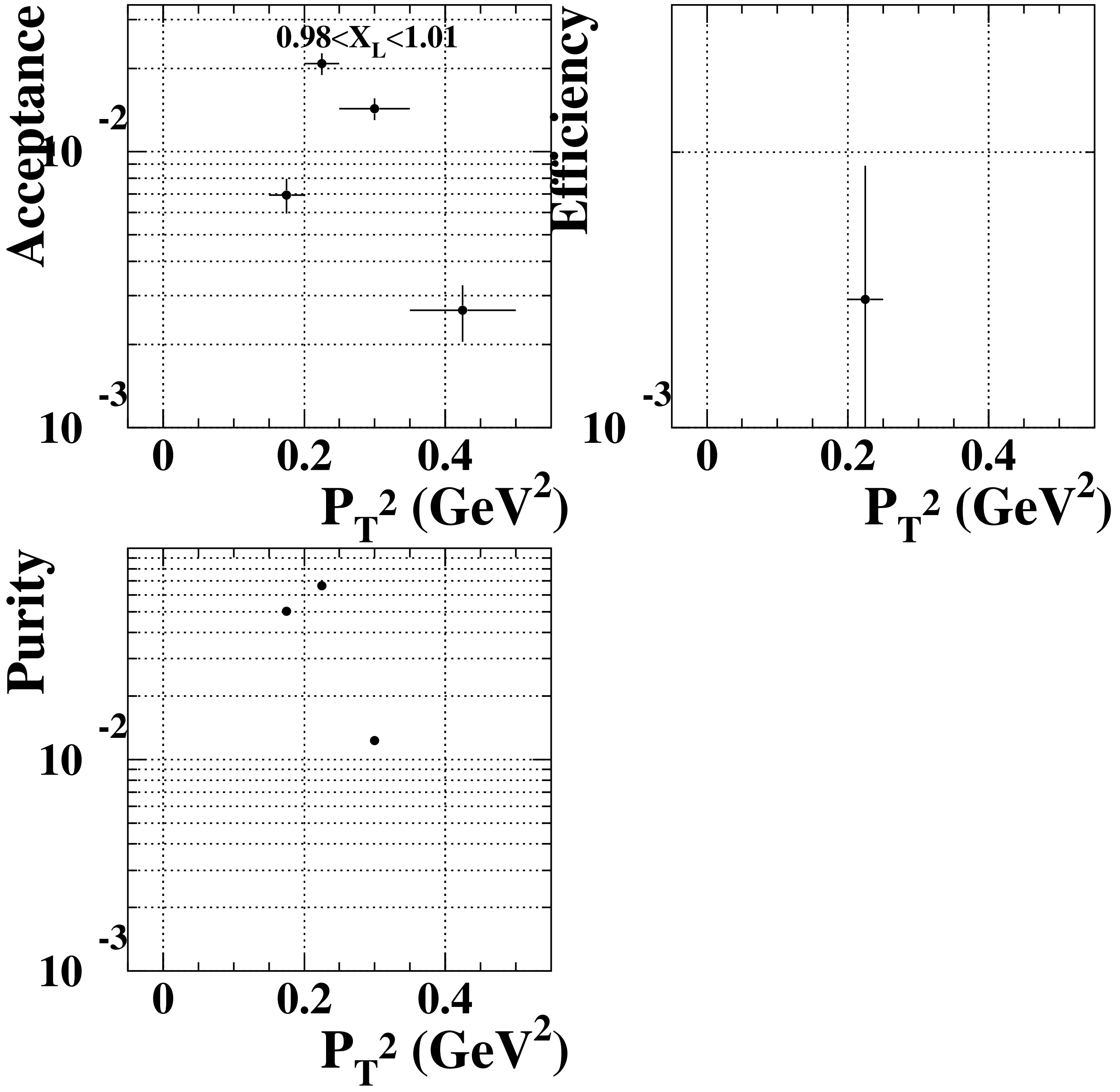
2006/10/30 13.46



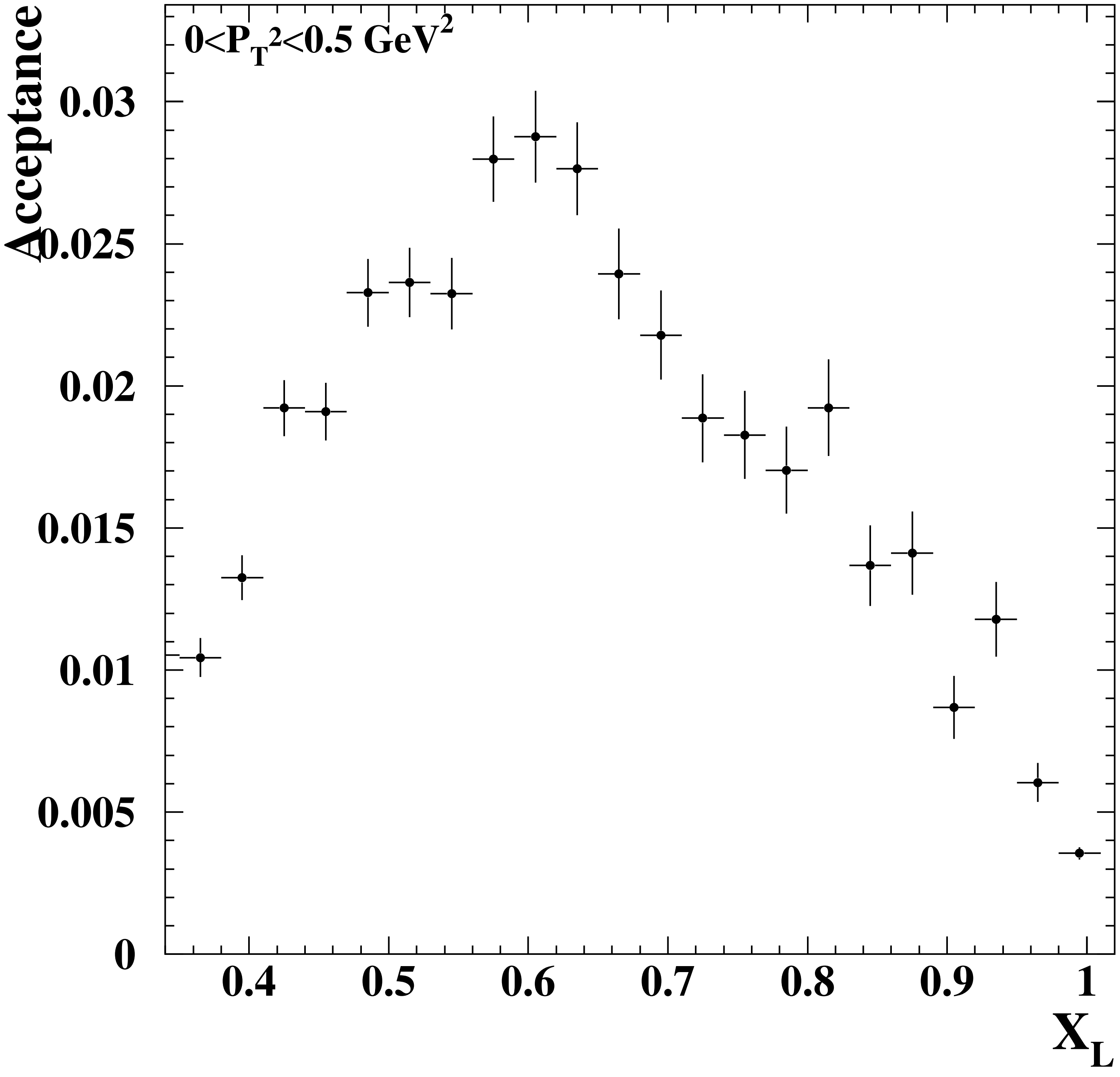
2006/10/30 13.46

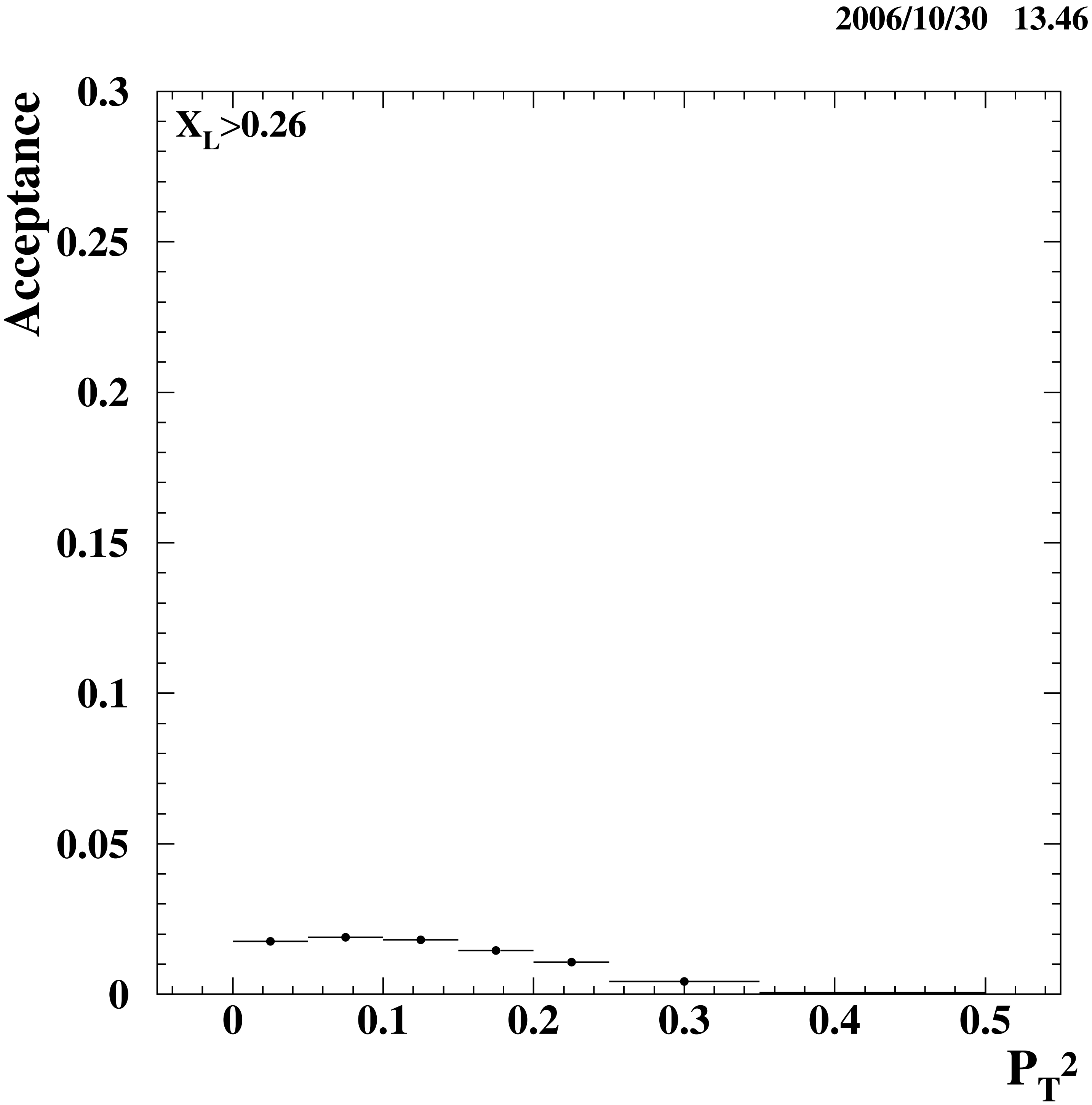


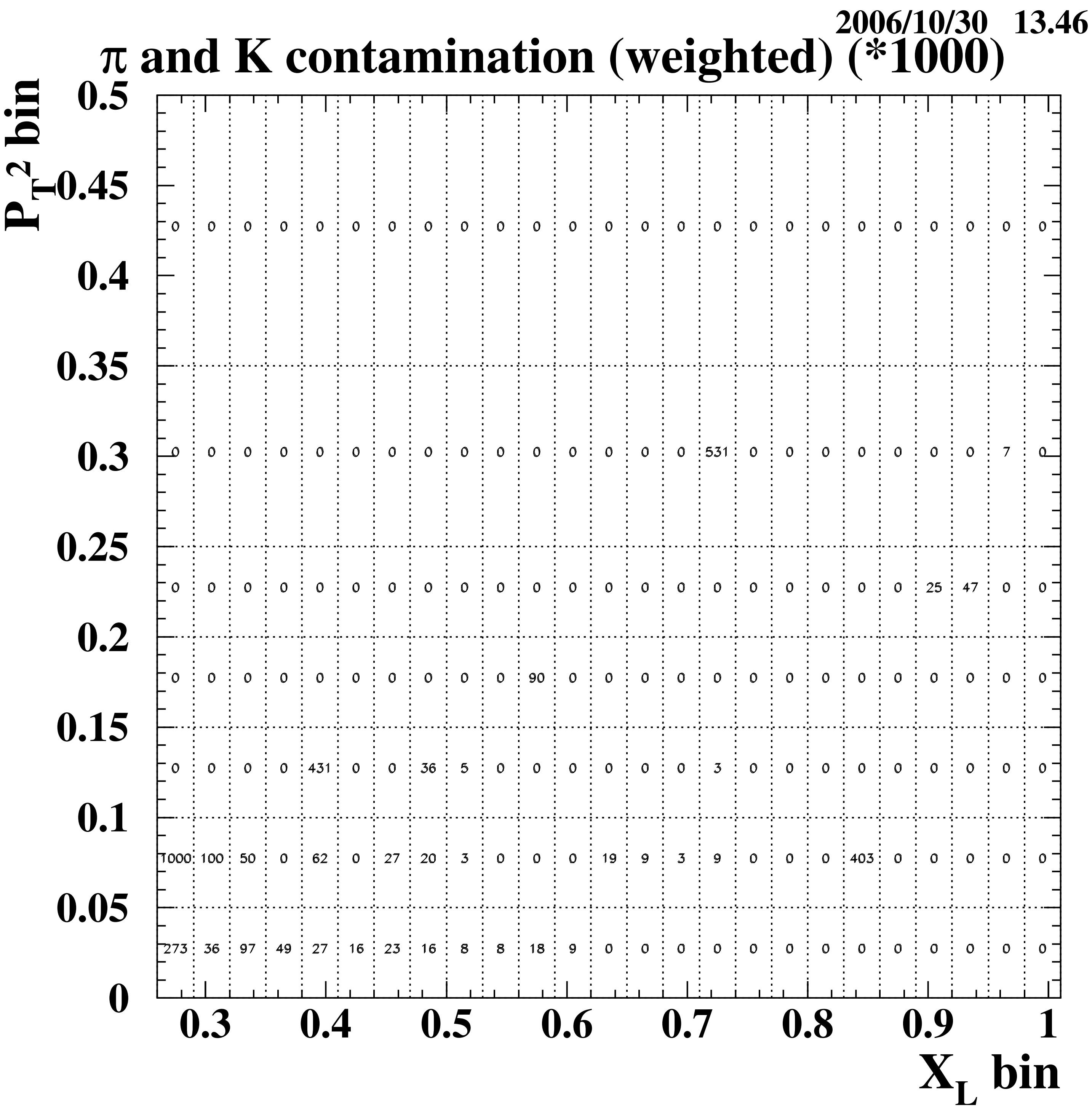
2006/10/30   13.46

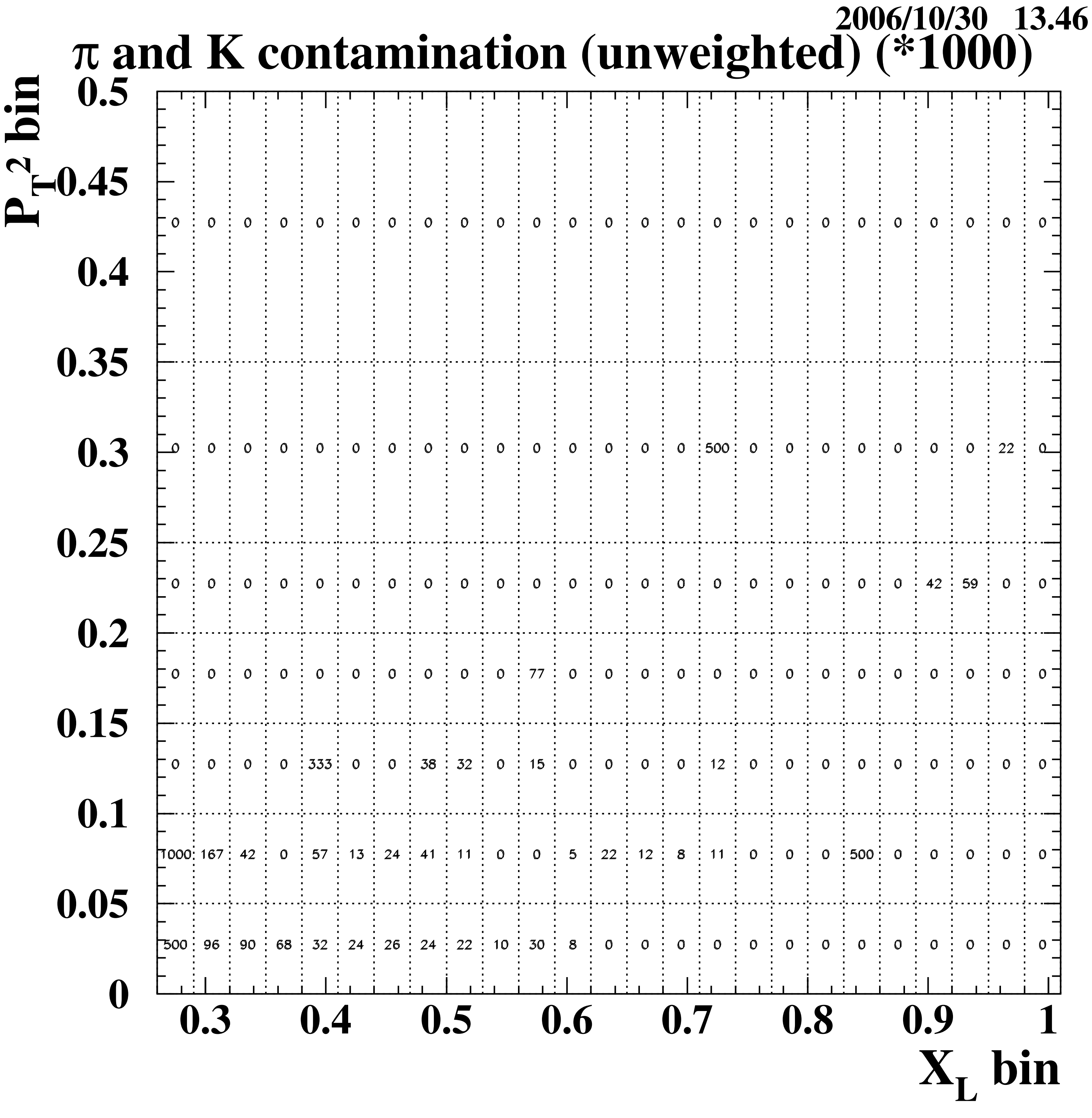


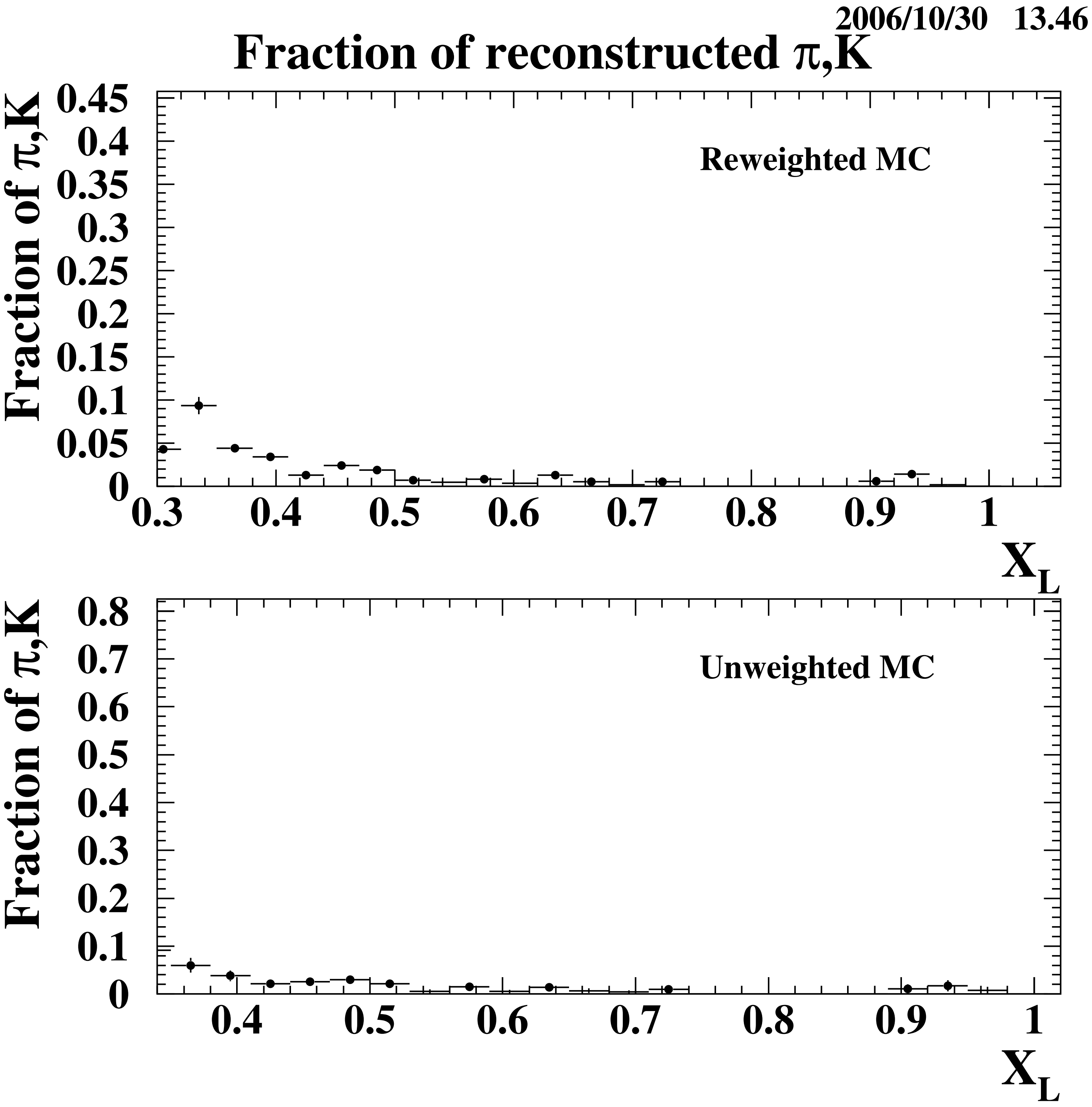
2006/10/30 13.46

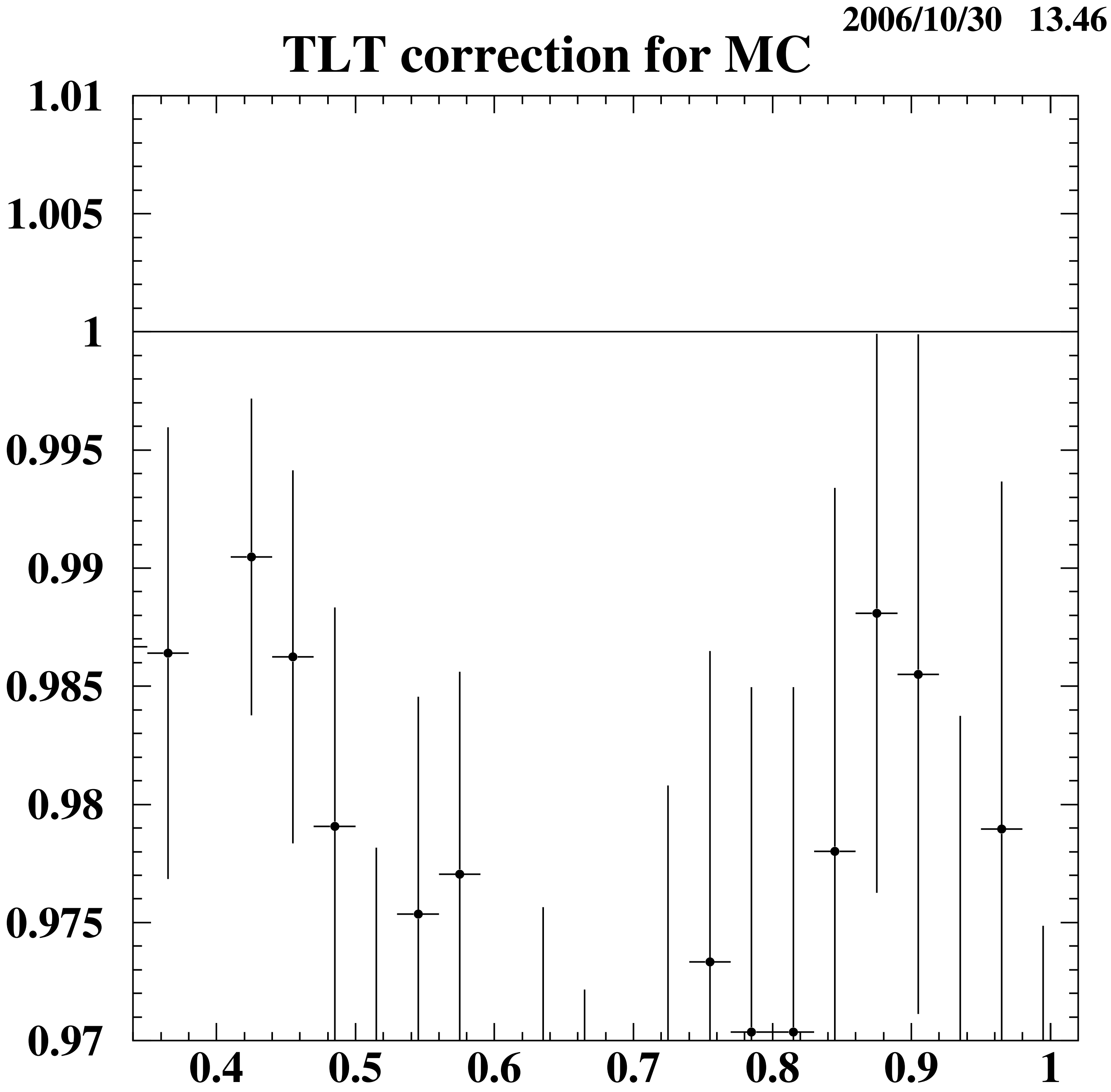



2006/10/30 13.46
Acceptance
X_L>0.26
0.3
0.25
0.2
0.15
0.1
0.05
0
0
0.1
0.2
0.3
0.4
0.5
P_T^2

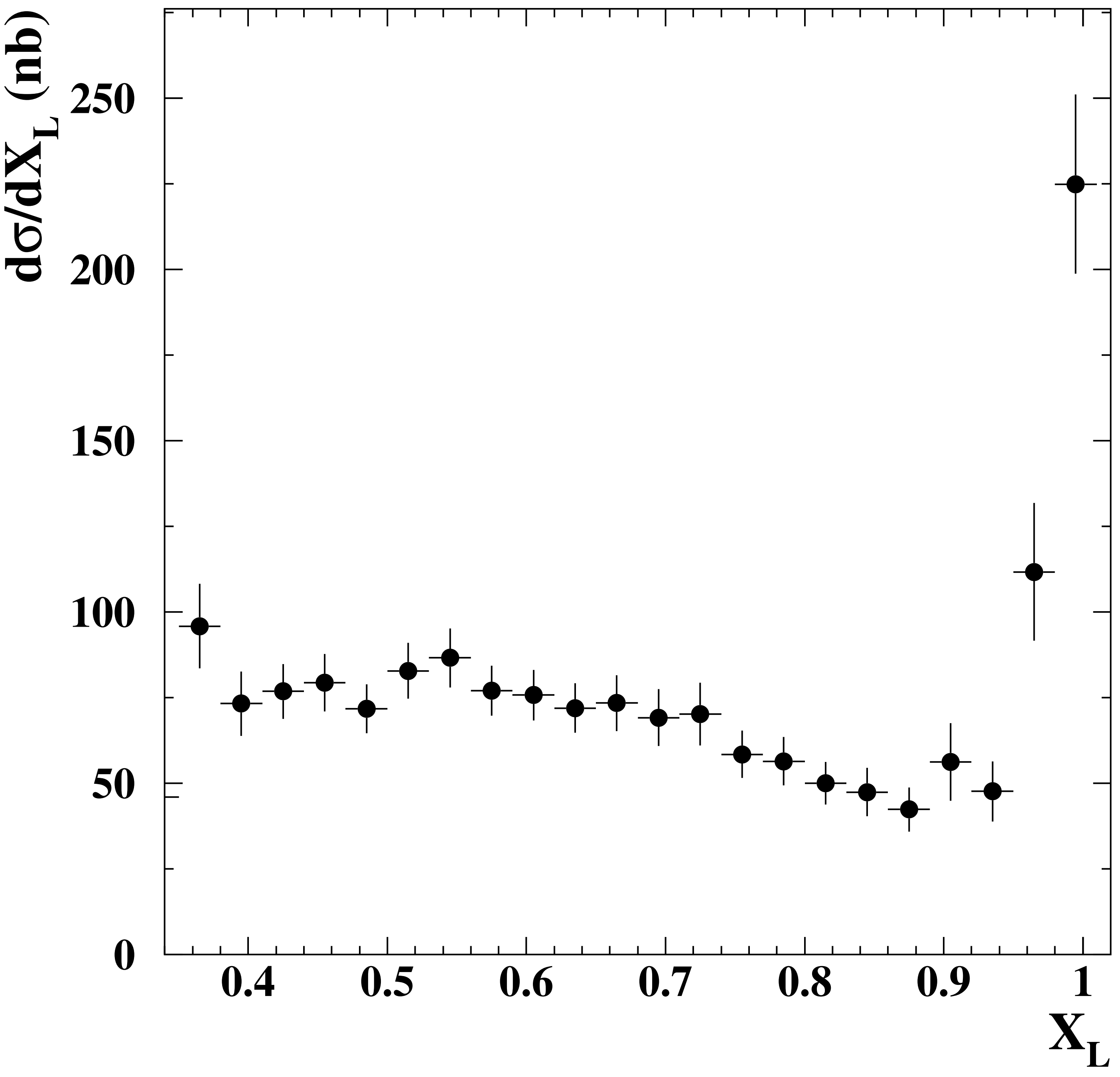

2006/10/30 13.46
π and K contamination (weighted) (*1000)
P_T^2 bin
X_L bin
0 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5
0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 531 0 0 0 0 0 0 0 7 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 25 47 0 0
0 0 0 0 0 0 0 0 0 0 90 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 431 0 0 36 5 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0
1000 100 50 0 62 0 27 20 3 0 0 0 19 9 3 9 0 0 0 403 0 0 0 0 0
273 36 97 49 27 16 23 16 8 8 18 9 0 0 0 0 0 0 0 0 0 0 0 0 0

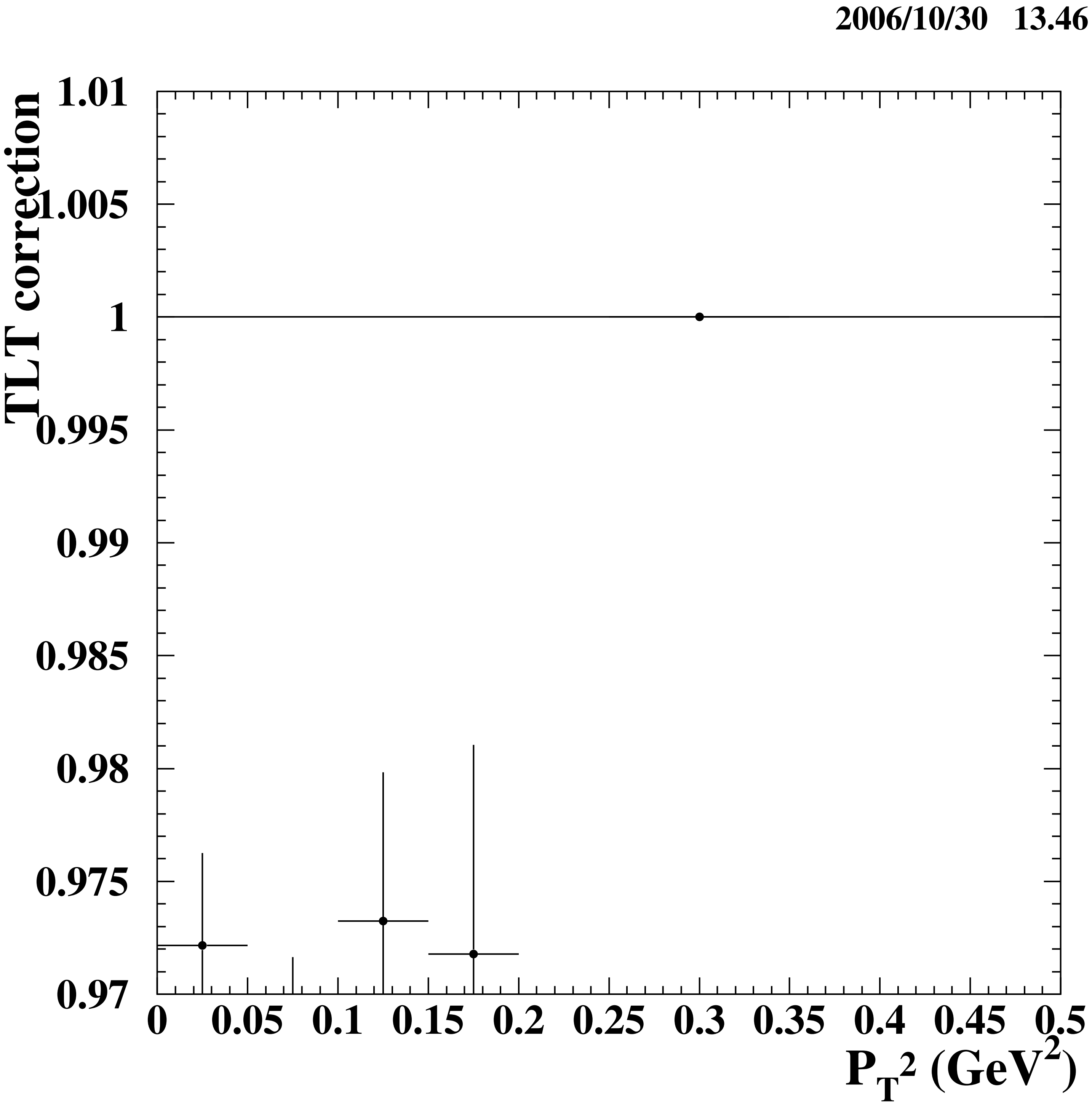

2006/10/30 13.46
π and K contamination (unweighted) (*1000)
P_T^2 bin
X_L bin
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 500 0 0 0 0 0 0 0 22 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 42 59 0 0
0 0 0 0 0 0 0 0 0 0 77 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 333 0 0 38 32 0 15 0 0 0 0 12 0 0 0 0 0 0 0 0 0
1000 167 42 0 57 13 24 41 11 0 0 5 22 12 8 11 0 0 0 500 0 0 0 0 0
500 96 90 68 32 24 26 24 22 10 30 8 0 0 0 0 0 0 0 0 0 0 0 0 0


2006/10/30 13.46
Fraction of reconstructed π,K
Fraction of π,K
Reweighted MC
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
Fraction of π,K
Unweighted MC
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.4
0.5
0.6
0.7
0.8
0.9
1
X_L


2006/10/30 13.46
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

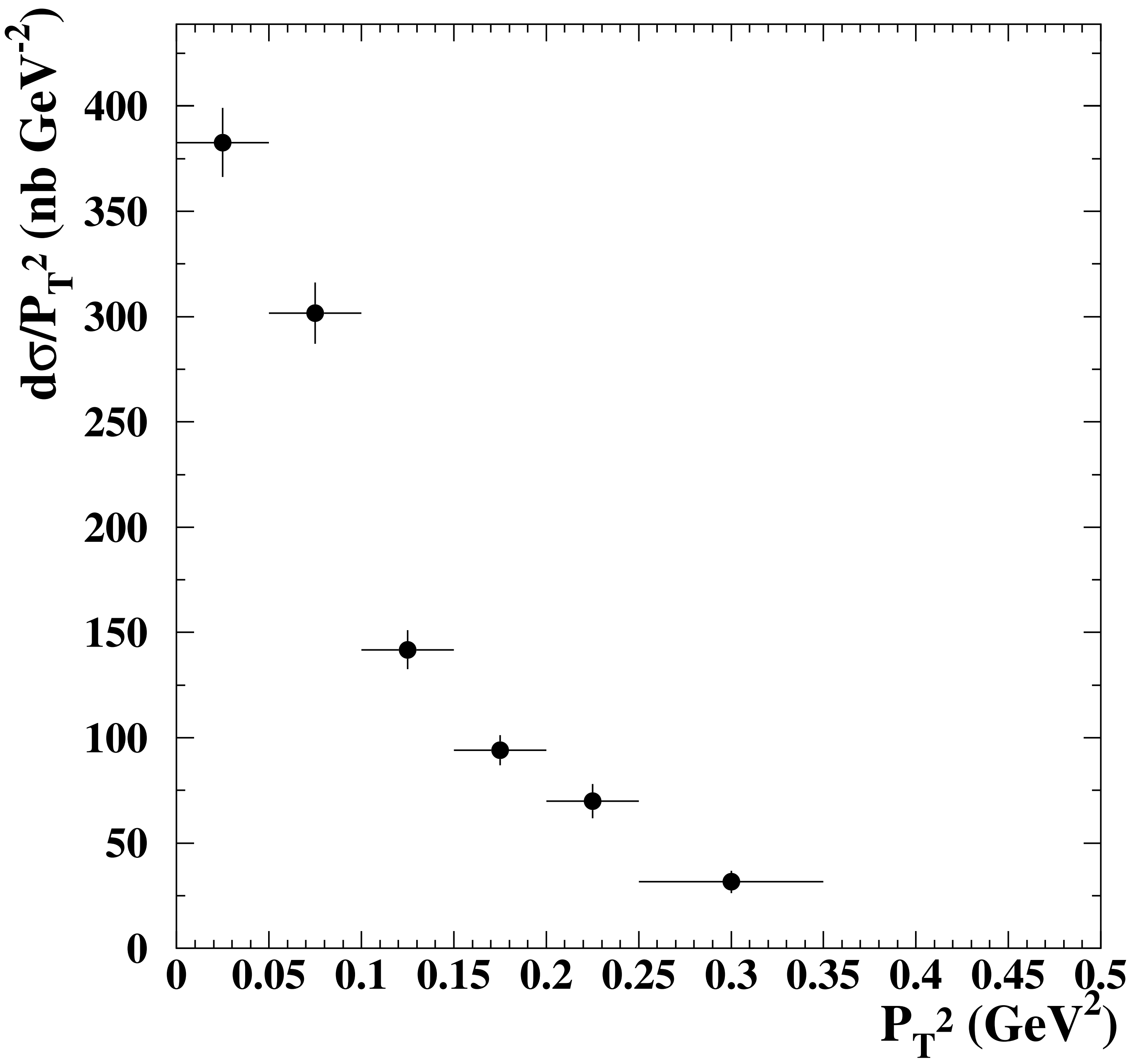
2006/10/30   13.46

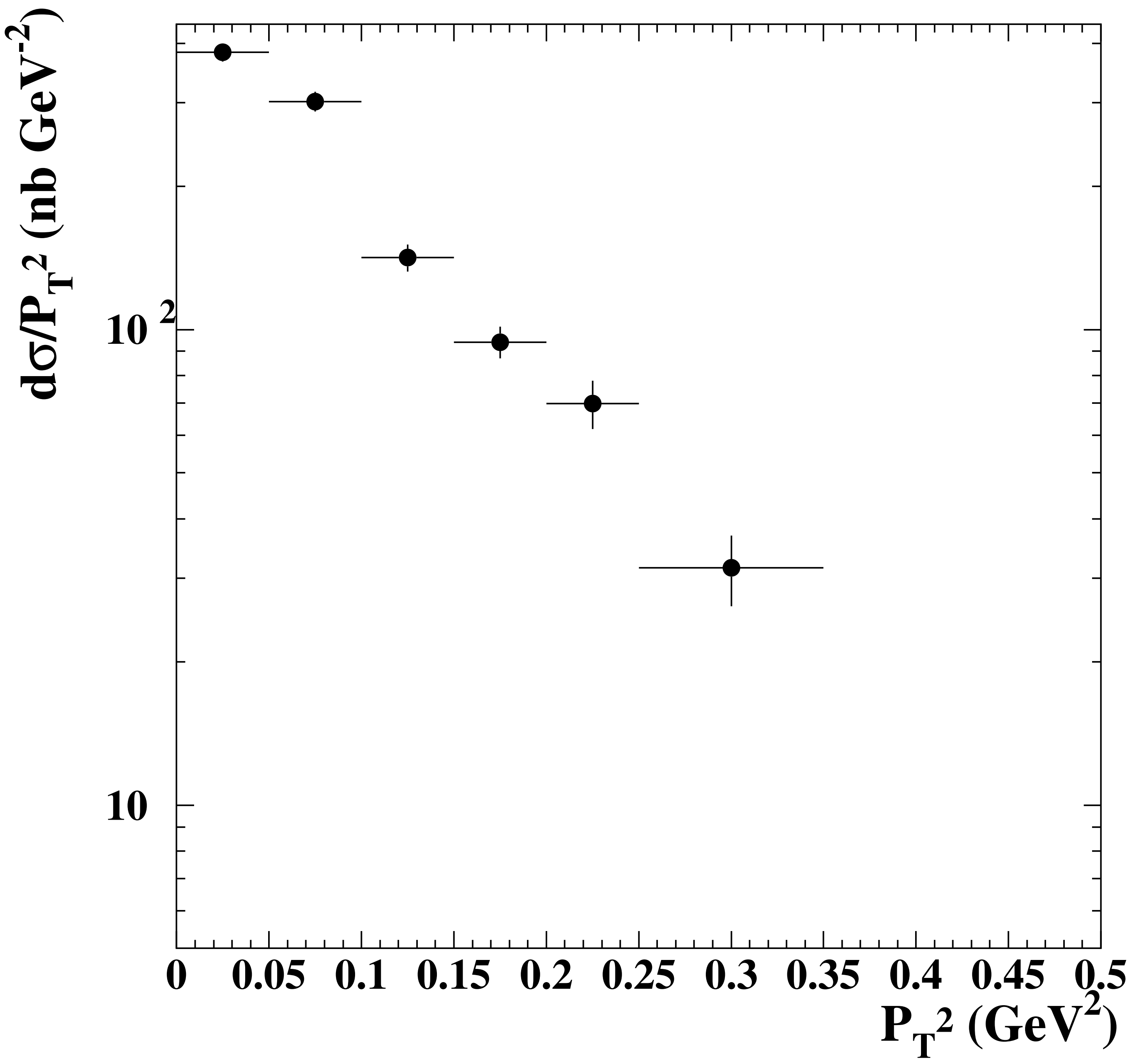




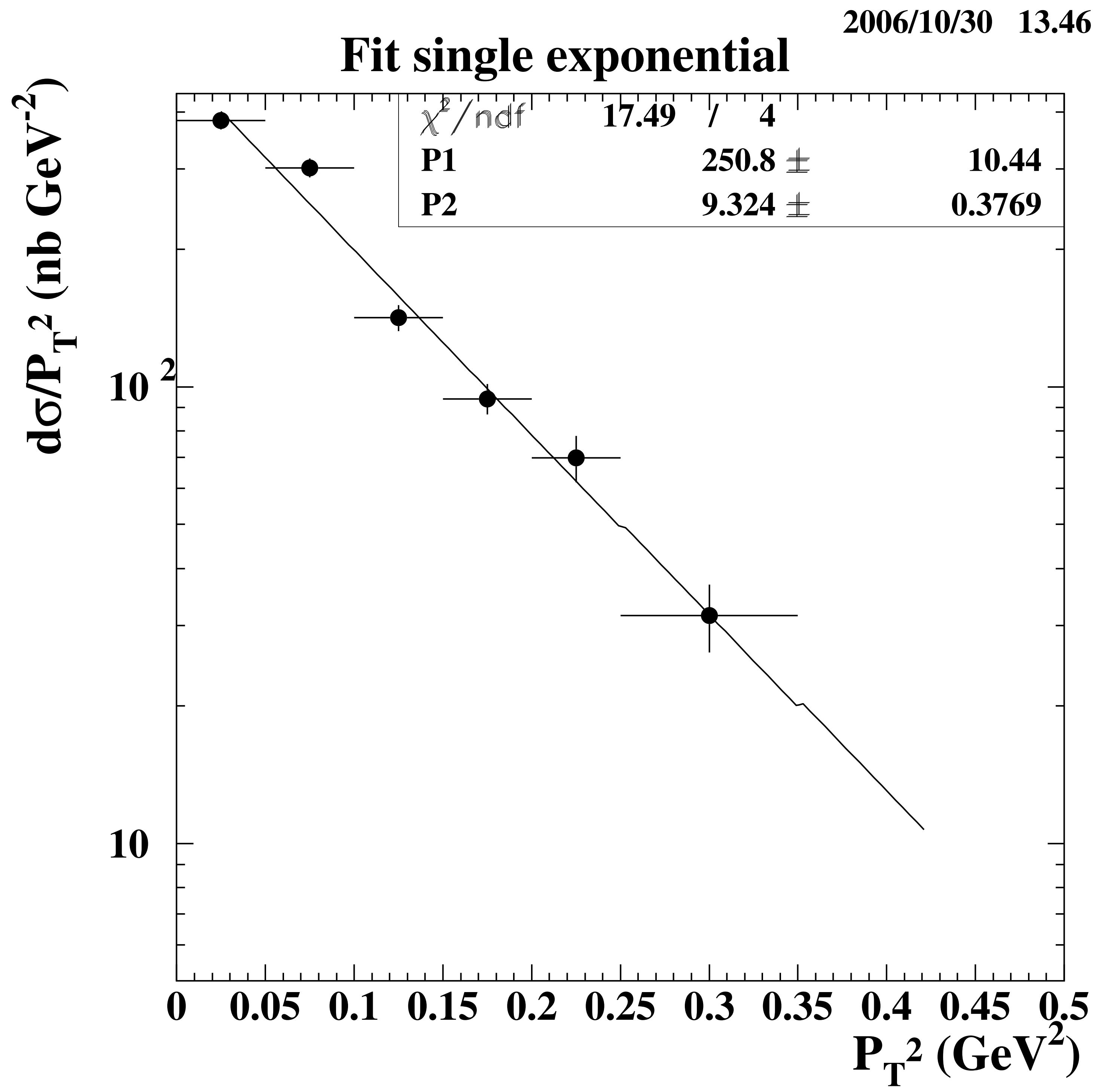
2006/10/30 13.46
TLT correction
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0.97
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)

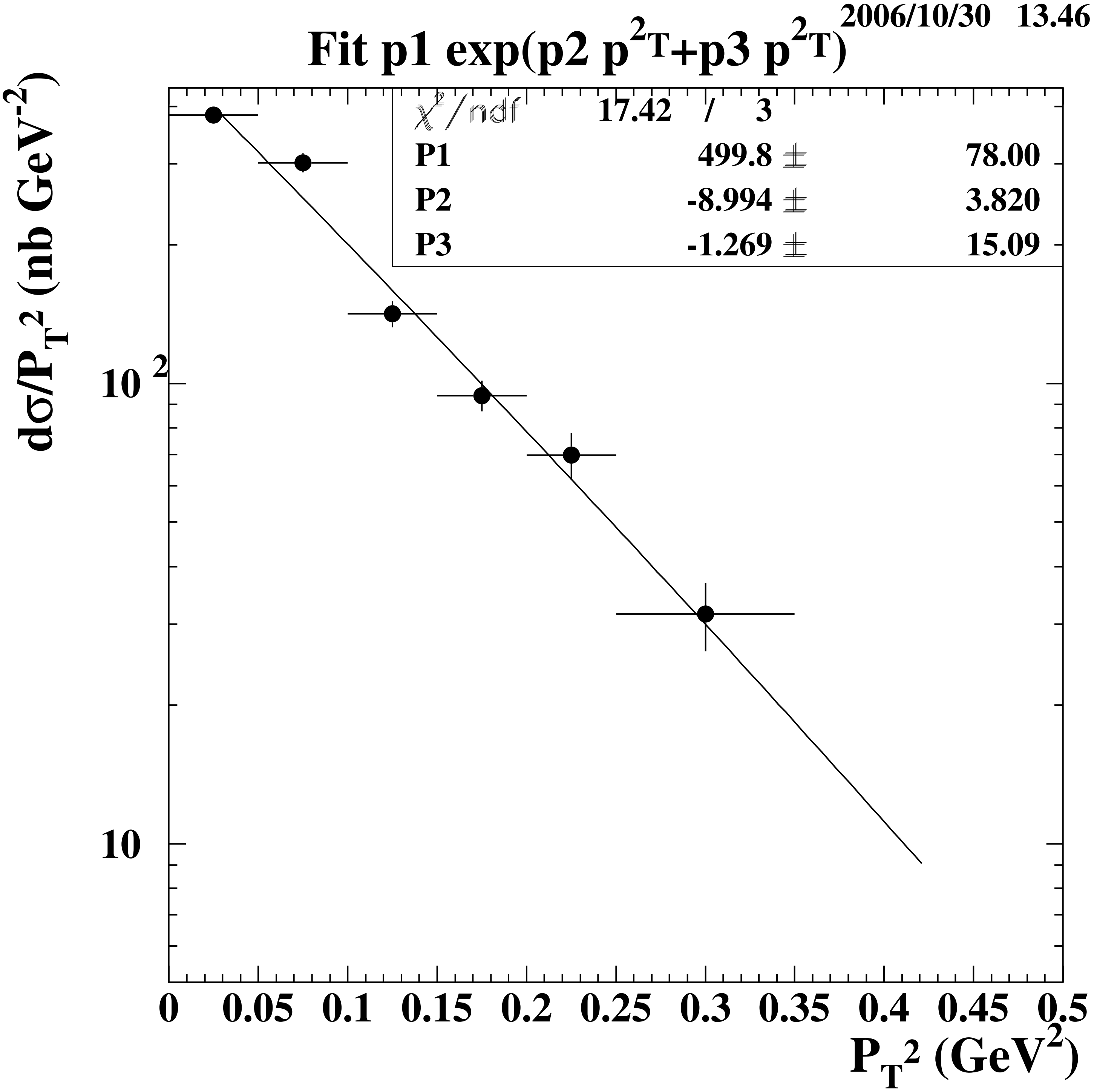
2006/10/30 13.46



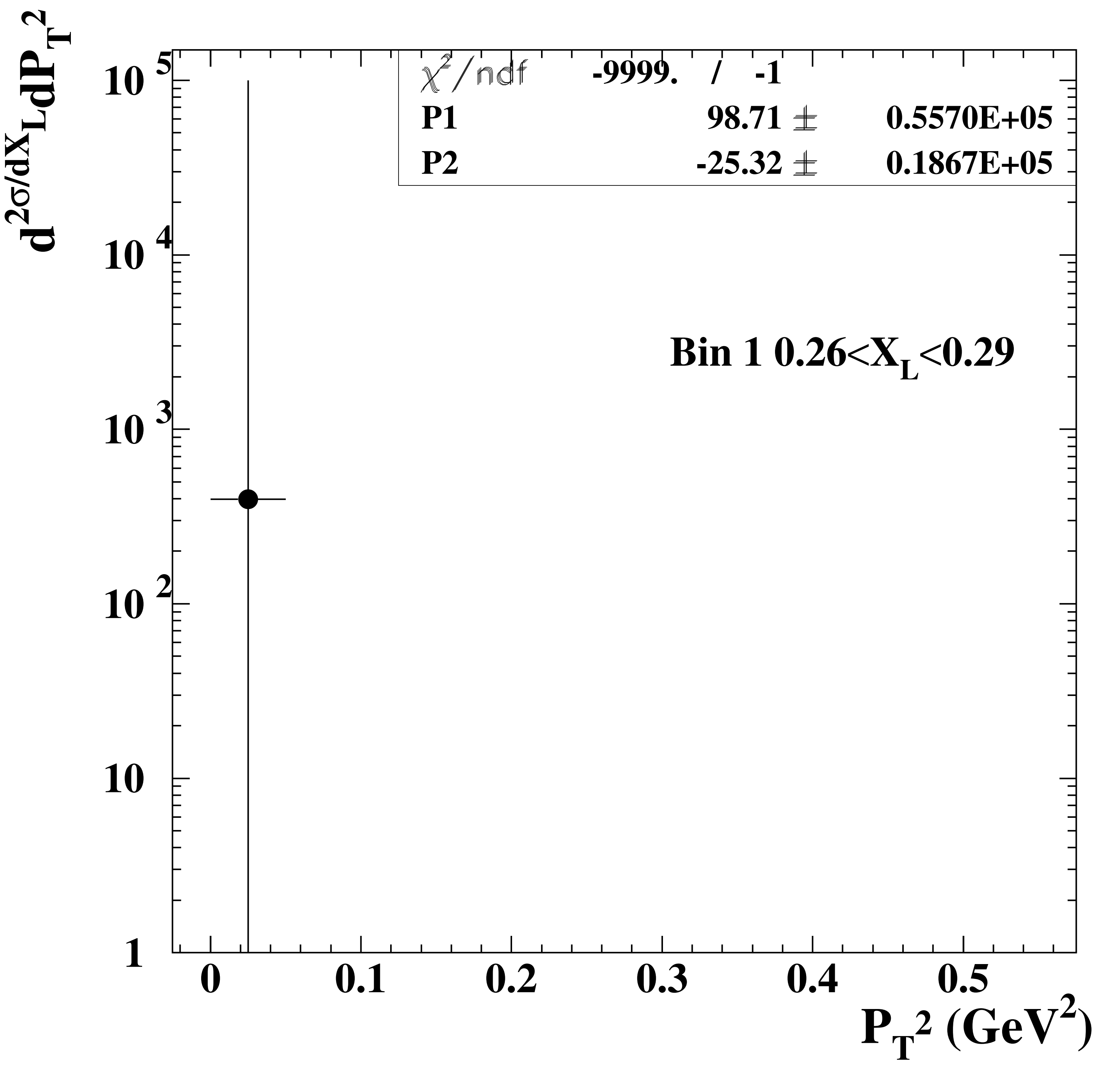


dσ/P_T² (nb GeV⁻²)
10²
10
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T² (GeV²)

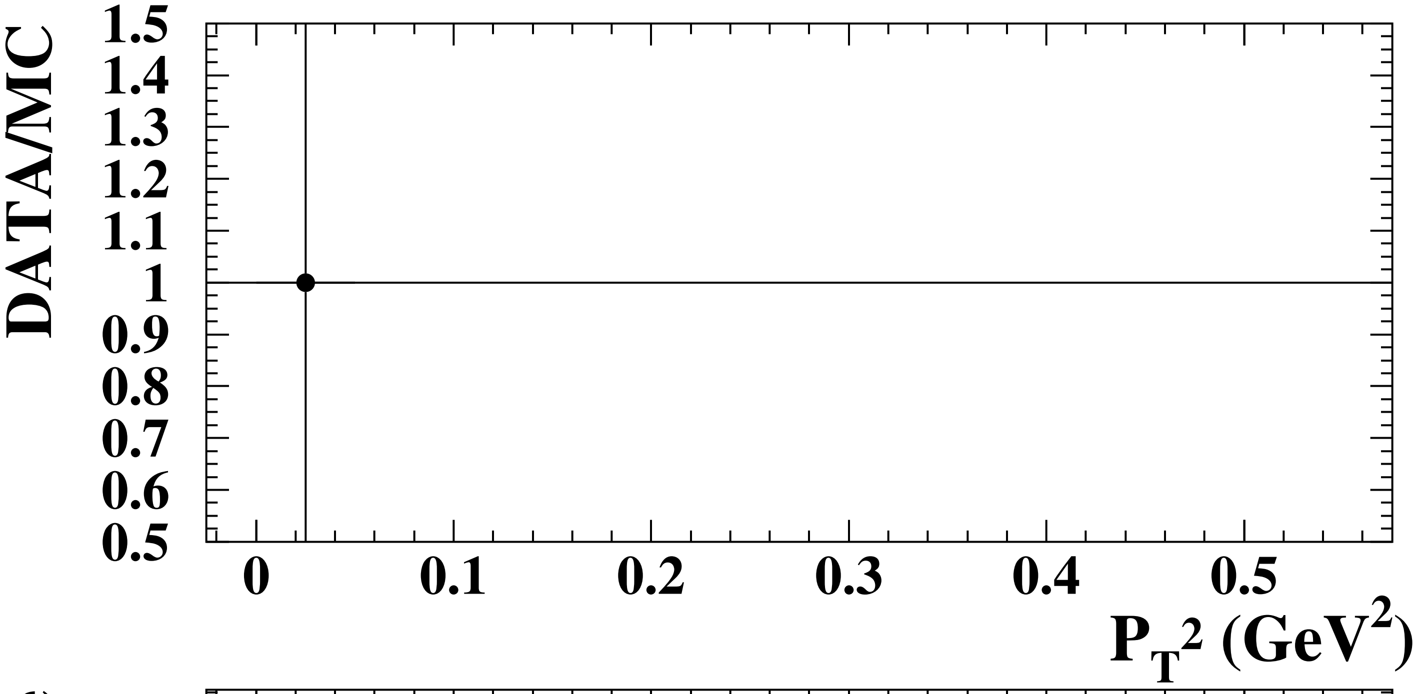

2006/10/30 13.46
Fit single exponential
χ^2/ndf 17.49 / 4
P1 250.8 ± 10.44
P2 9.324 ± 0.3769
$d\sigma/P_T^2$ (nb GeV^{-2})
10^2
10
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
P_T^2 (GeV^2)

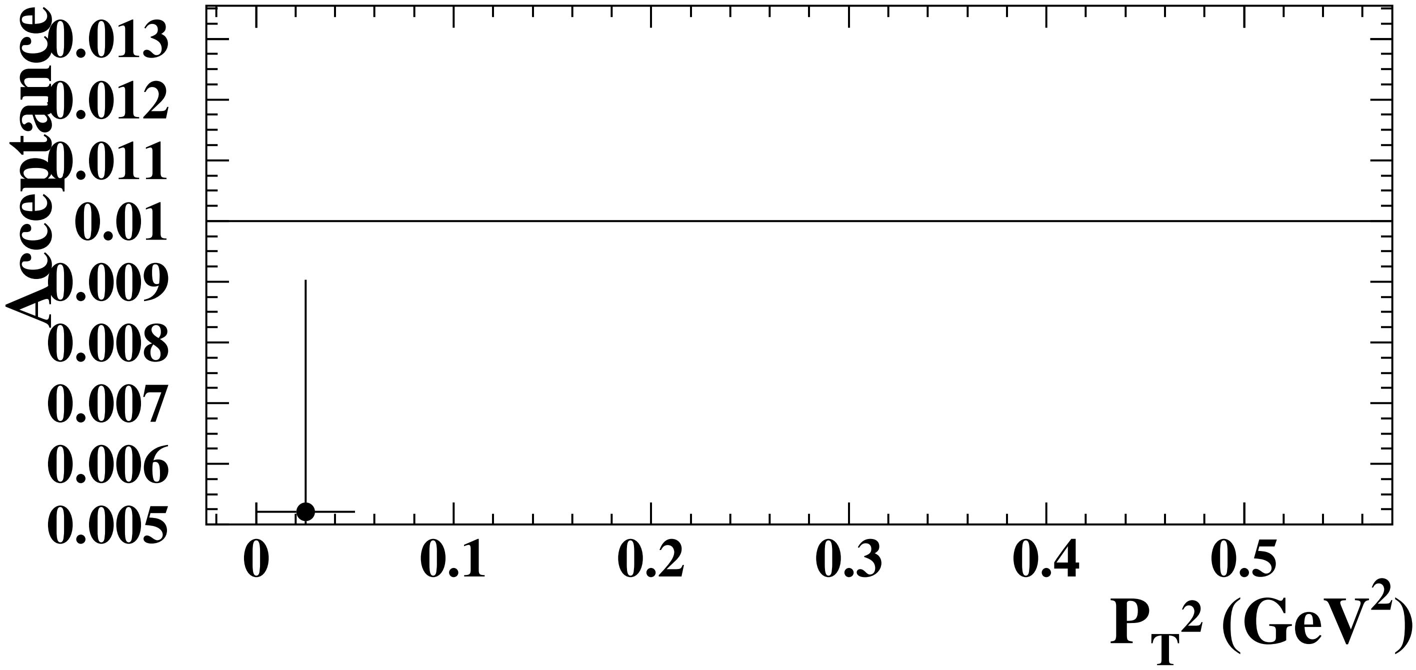

2006/10/30 13.46
Fit p1 exp(p2 p2T+p3 p2T)
χ2/ndf 17.42 / 3
P1 499.8 ± 78.00
P2 -8.994 ± 3.820
P3 -1.269 ± 15.09
dσ/PT2 (nb GeV-2)
10 2
10
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
PT2 (GeV2)

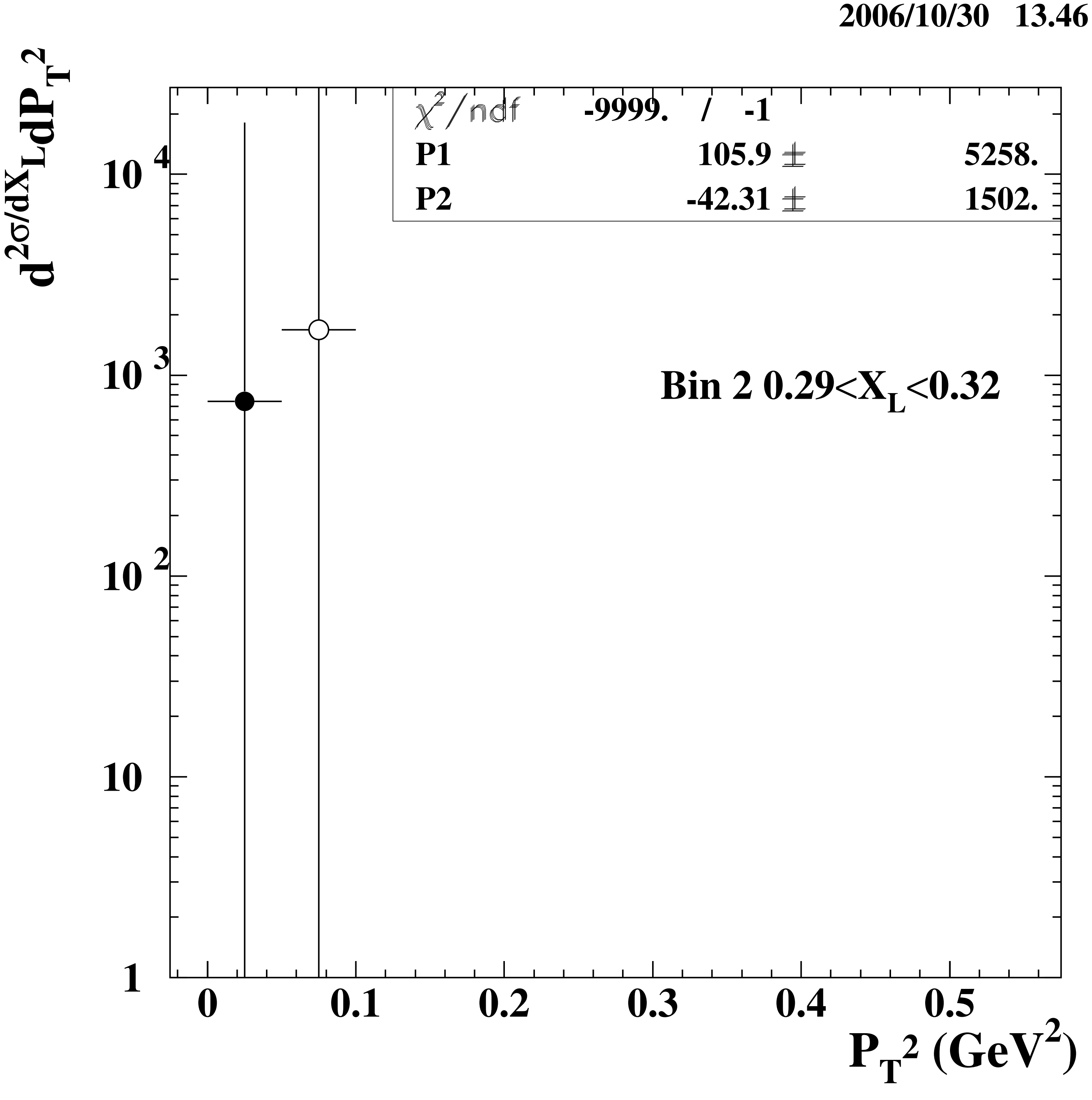
2006/10/30 13.46



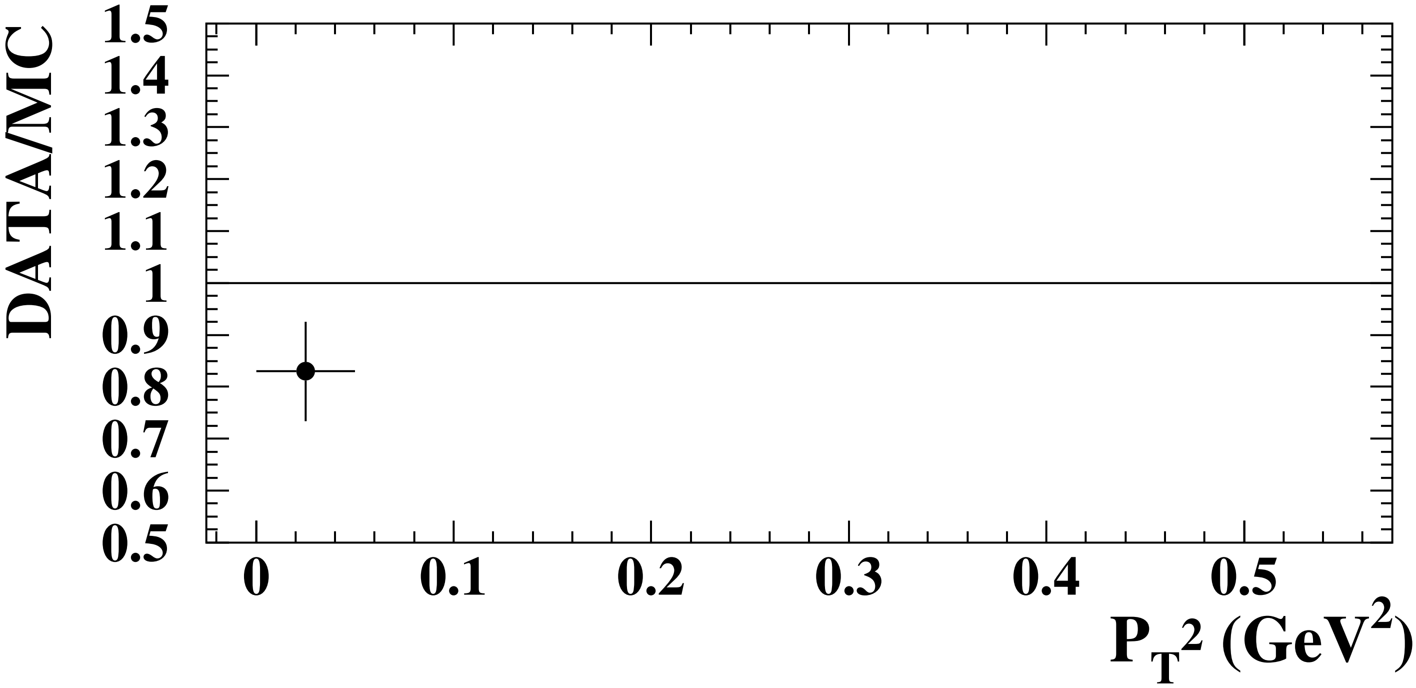
2006/10/30 13.46

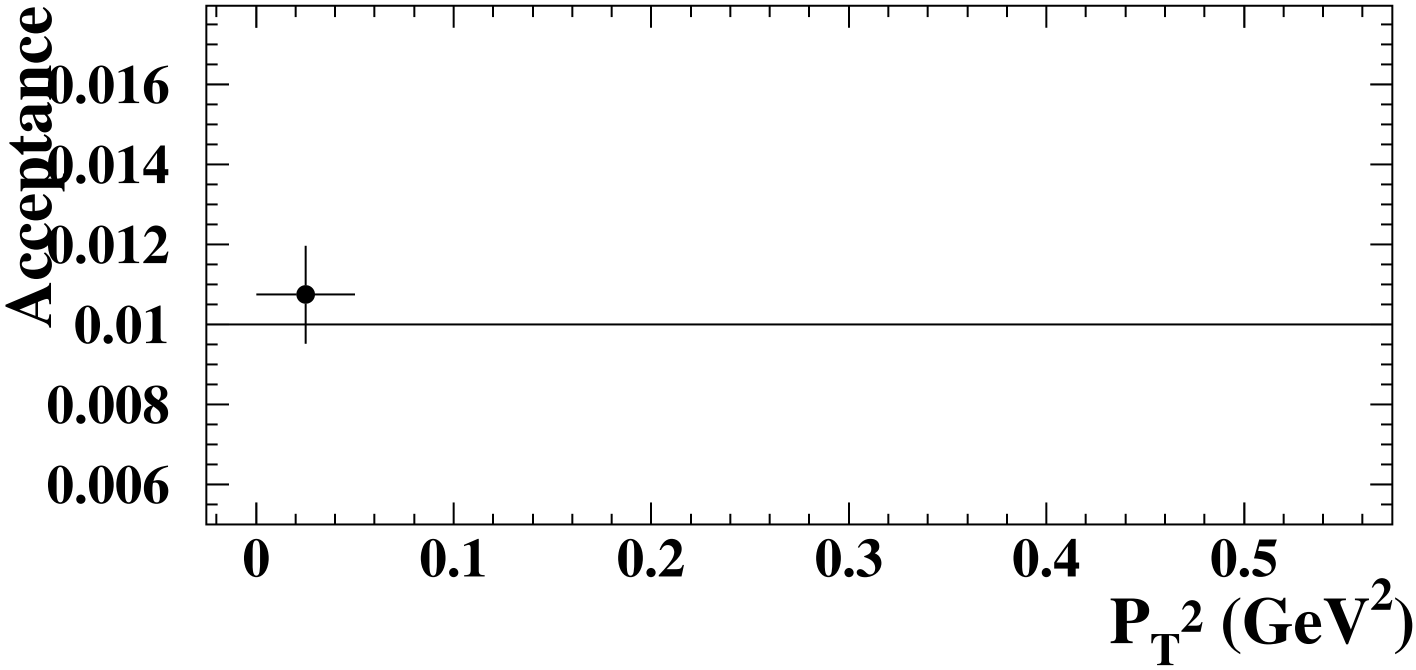




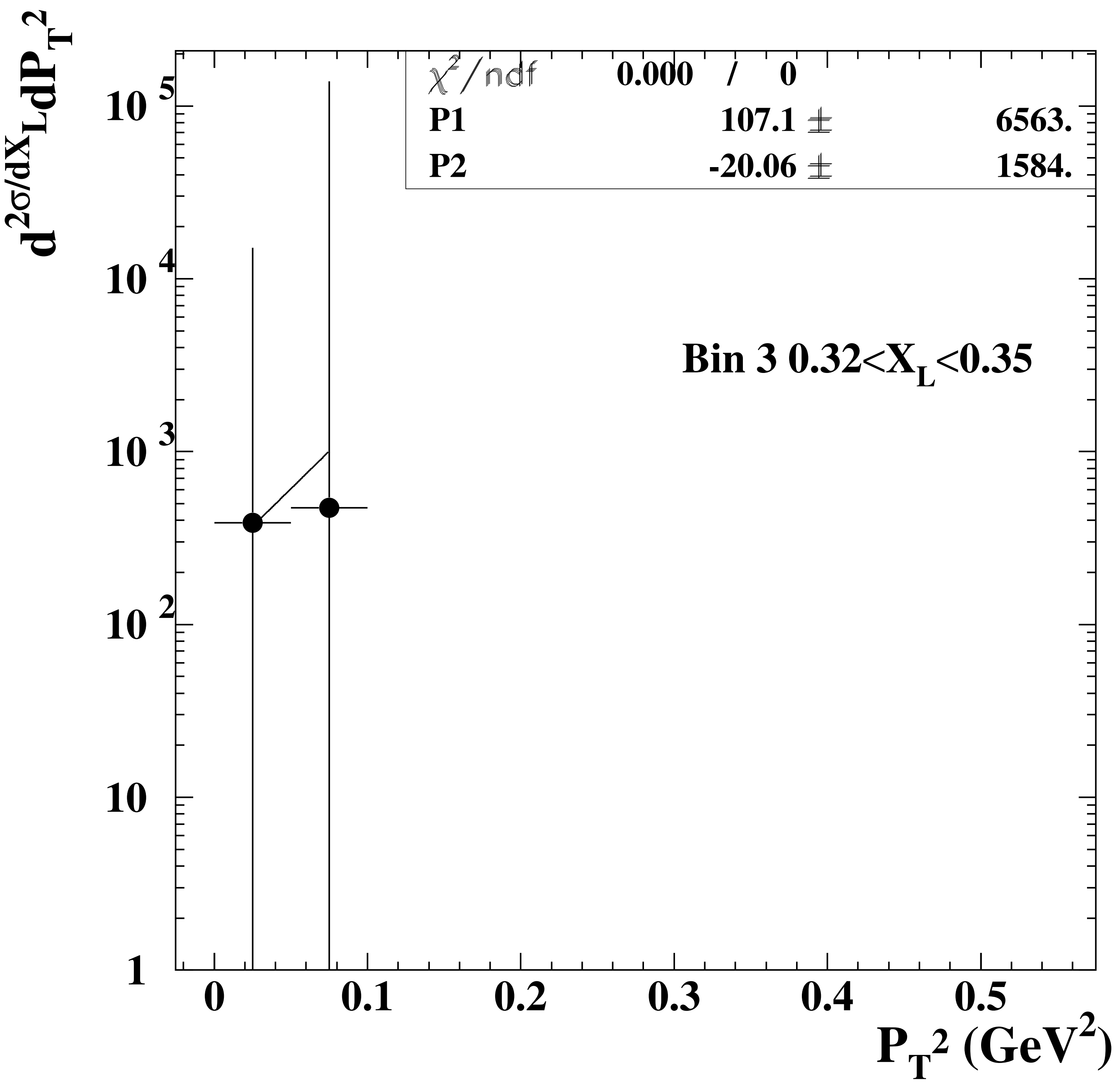

2006/10/30 13.46
χ^2/ndf -9999. / -1
P1 105.9 ± 5258.
P2 -42.31 ± 1502.
Bin 2 0.29<X_L<0.32
$d^2\sigma/dX_L dP_T^2$
P_T^2 (GeV^2)
1
10
10^2
10^3
10^4
0
0.1
0.2
0.3
0.4
0.5

2006/10/30 13.46

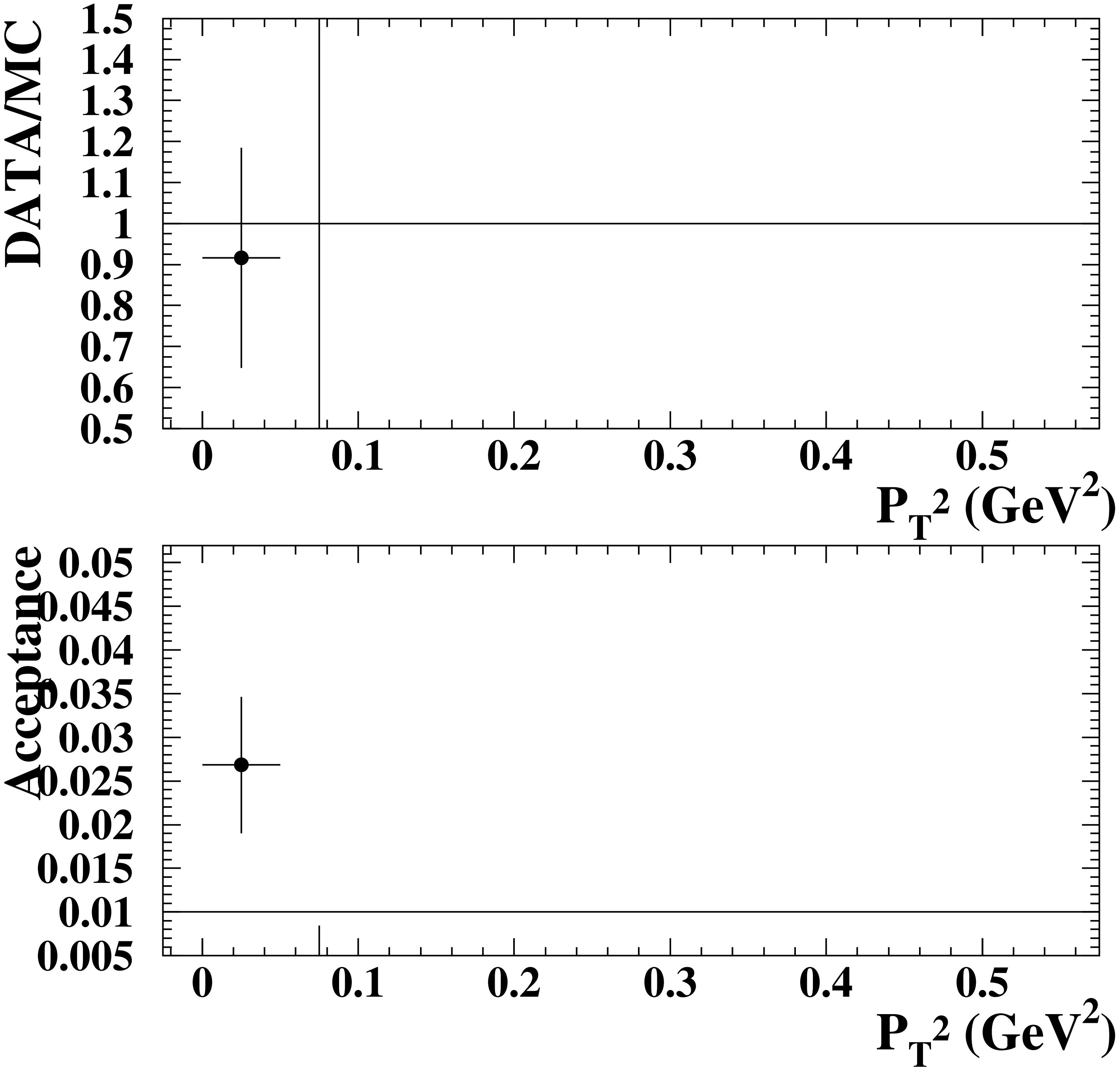




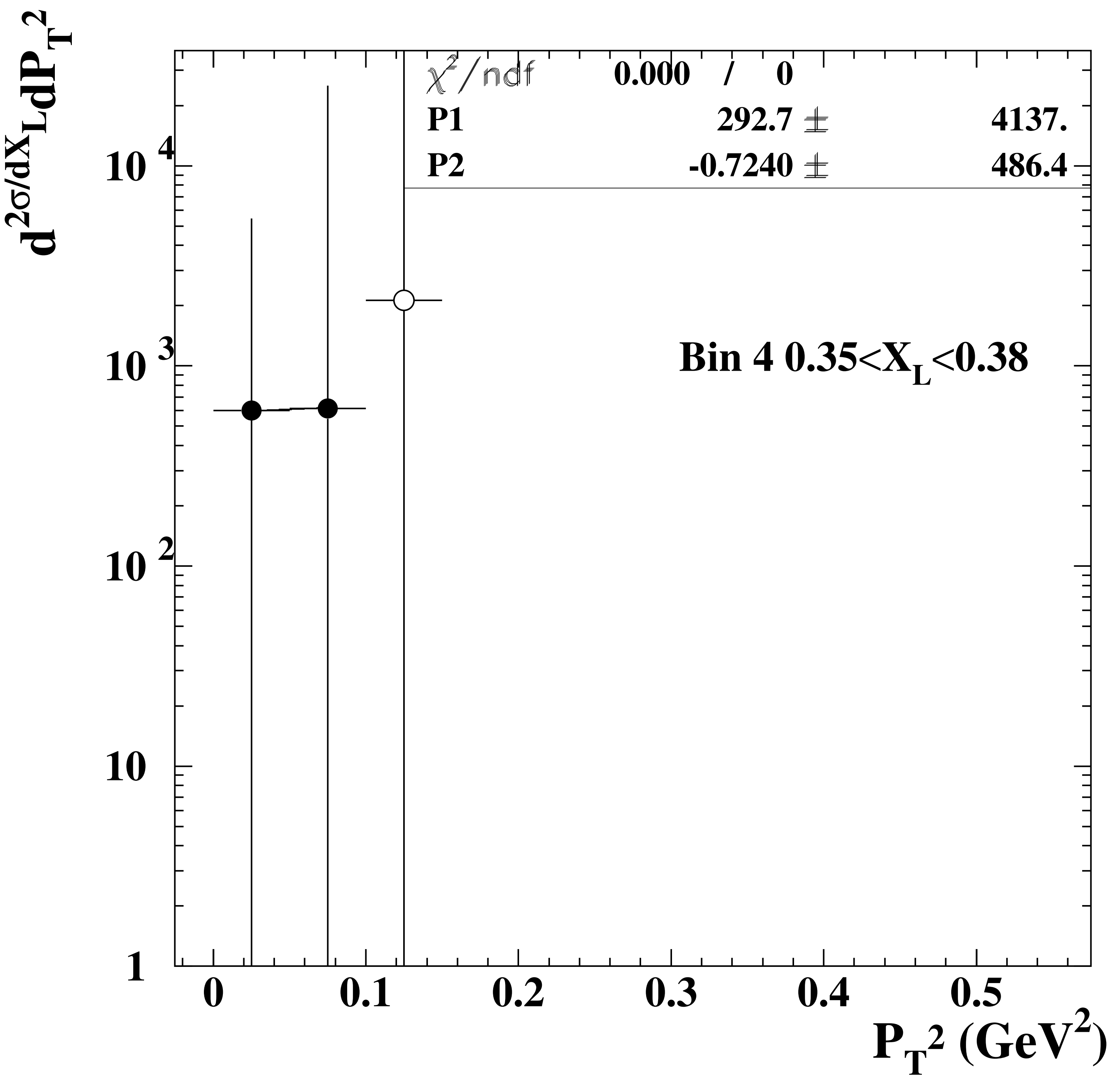
2006/10/30 13.46



2006/10/30   13.46



2006/10/30 13.46



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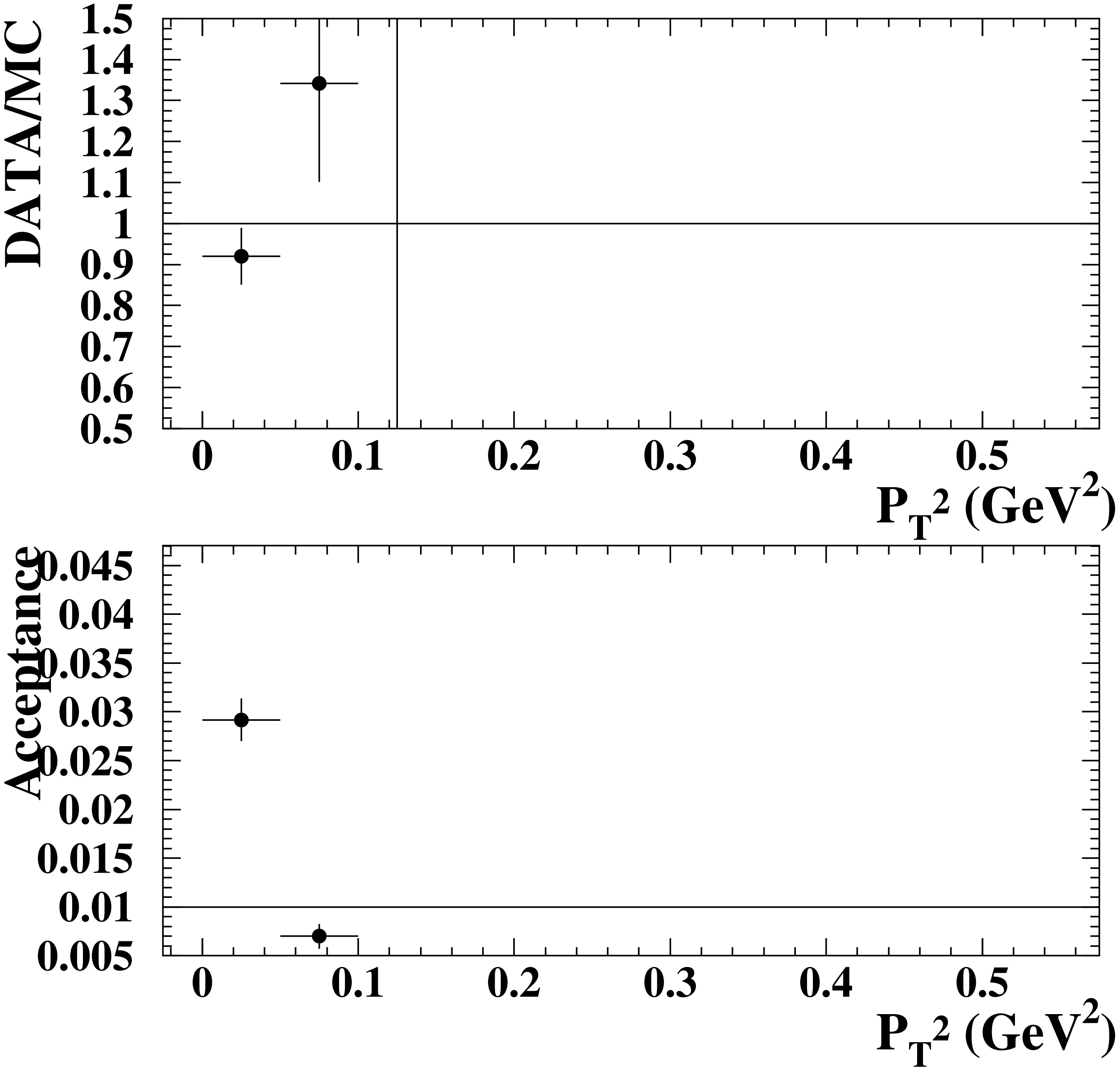
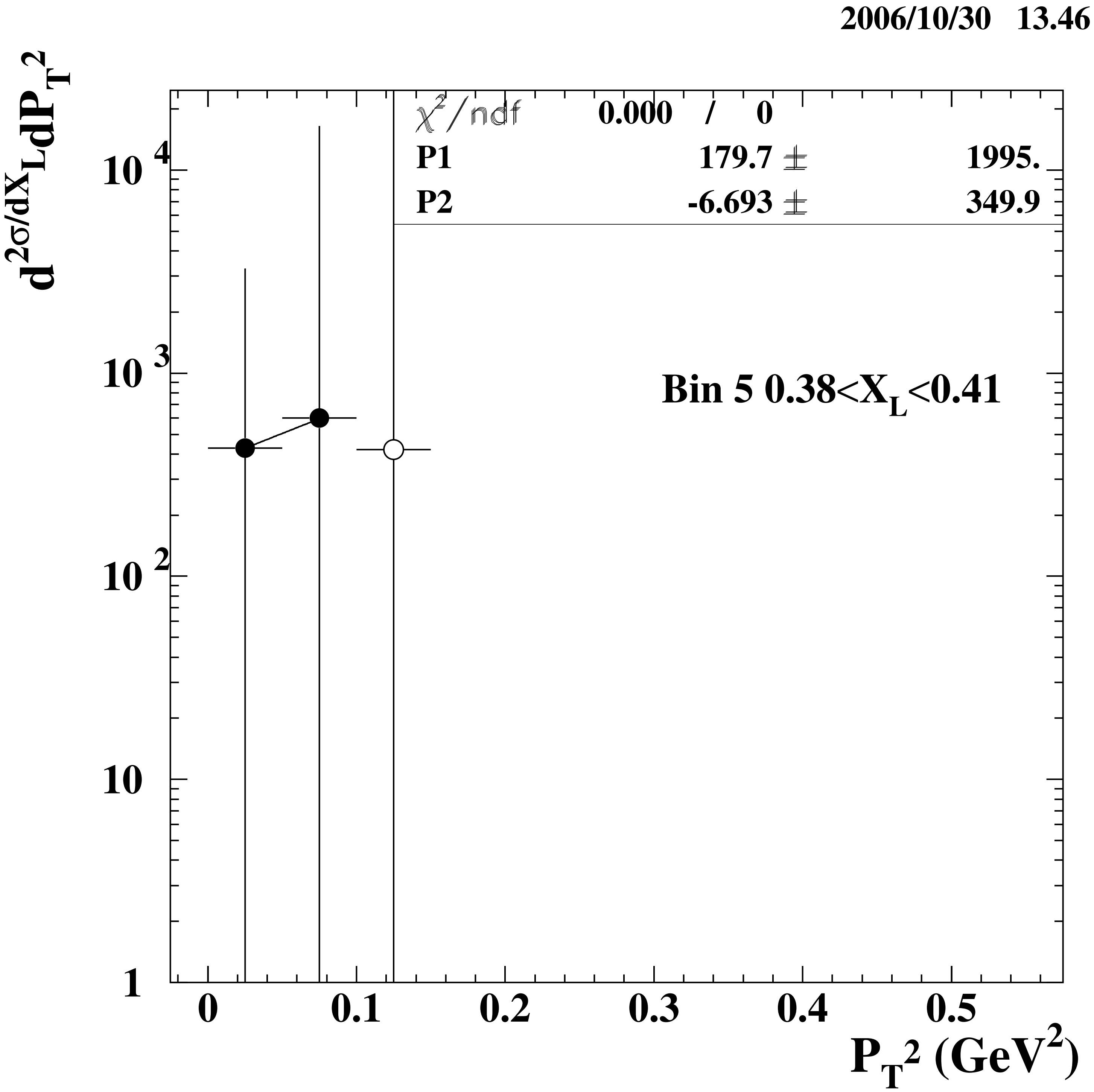
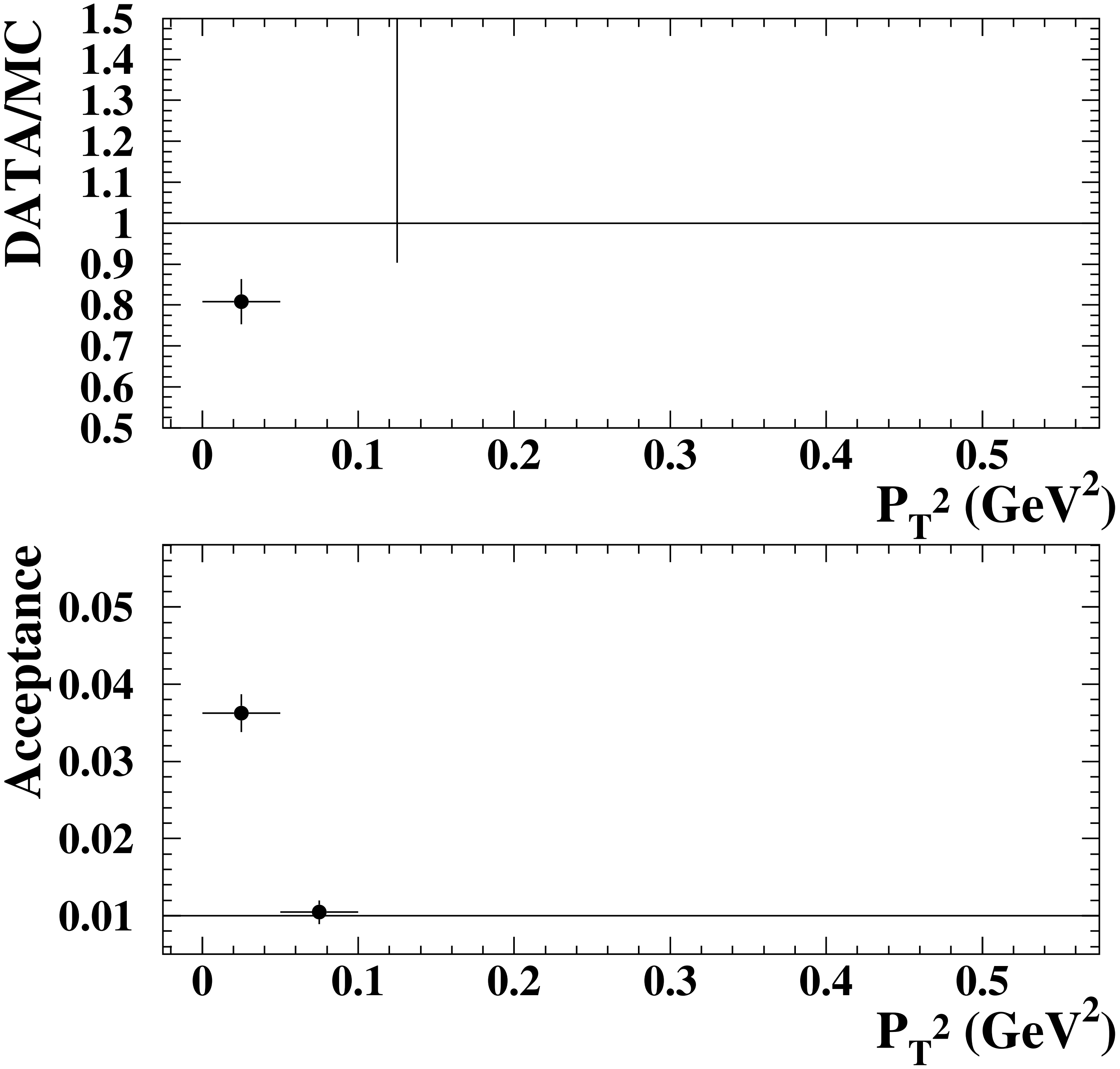
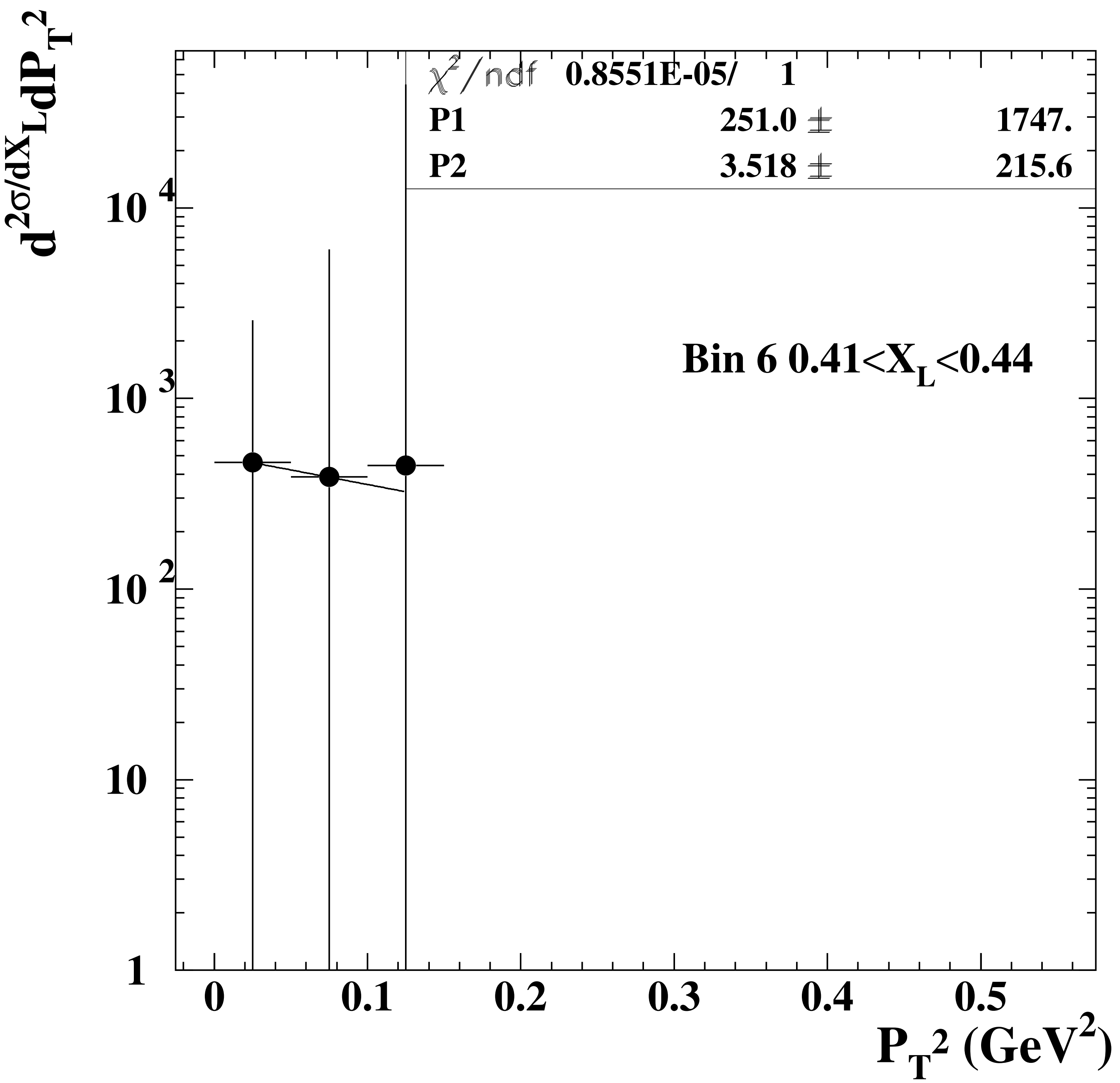



2006/10/30 13.46
$d^{2}\sigma/dX_{L}dP_{T}^{2}$
χ^2/ndf 0.000 / 0
P1 179.7 ± 1995.
P2 -6.693 ± 349.9
Bin 5 0.38<X_L<0.41
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

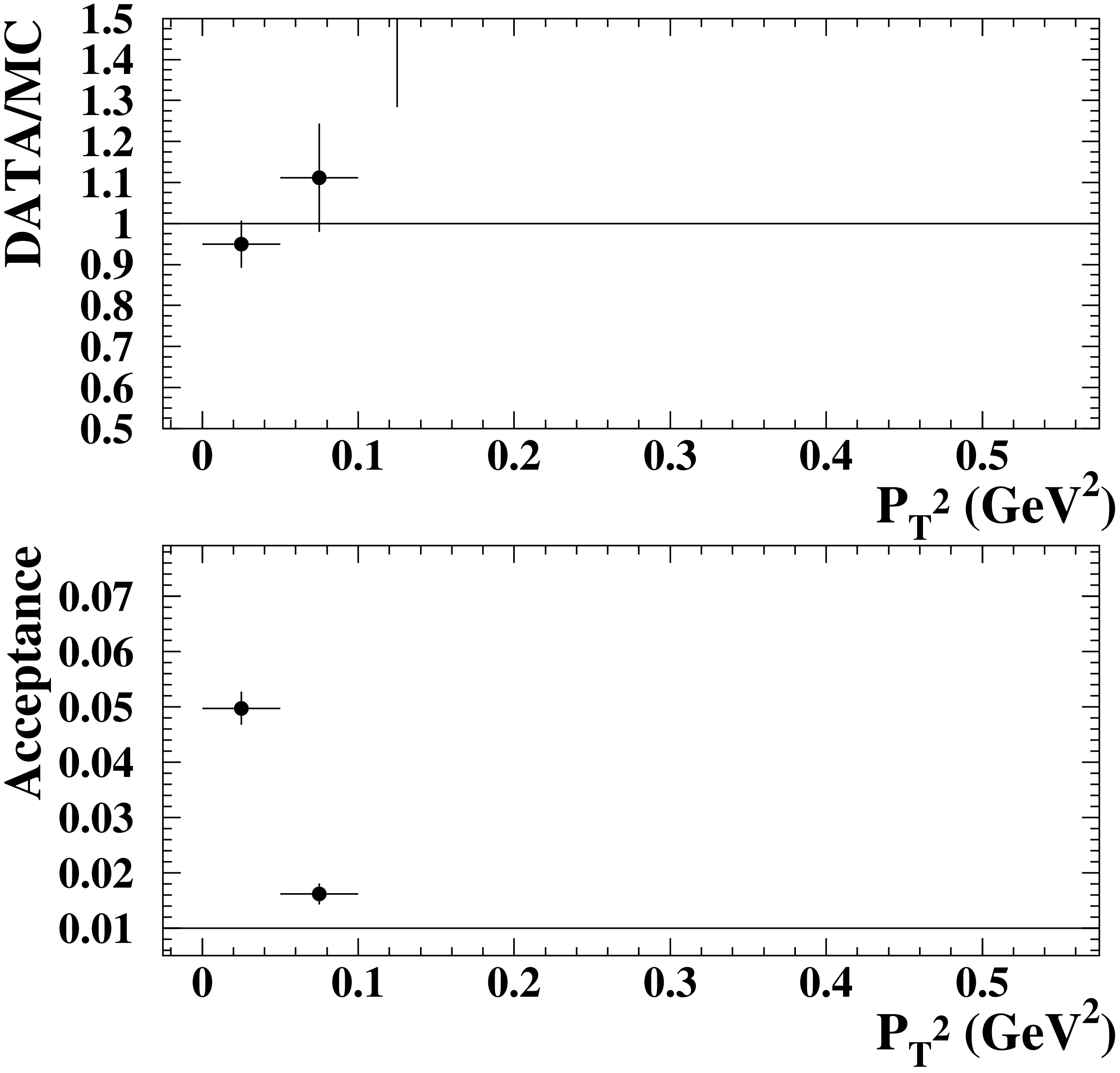
2006/10/30   13.46

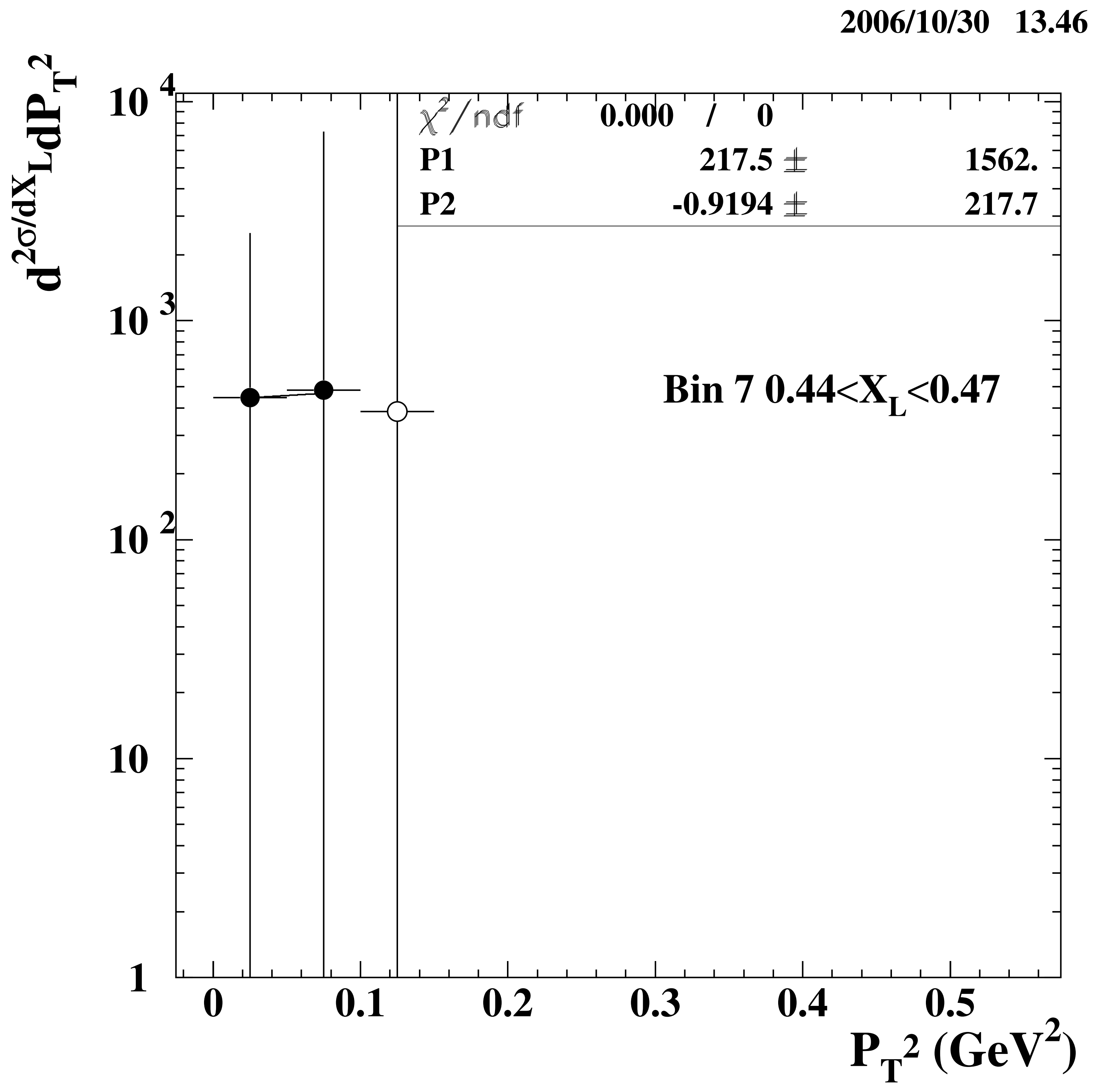


2006/10/30   13.46



2006/10/30 13.46





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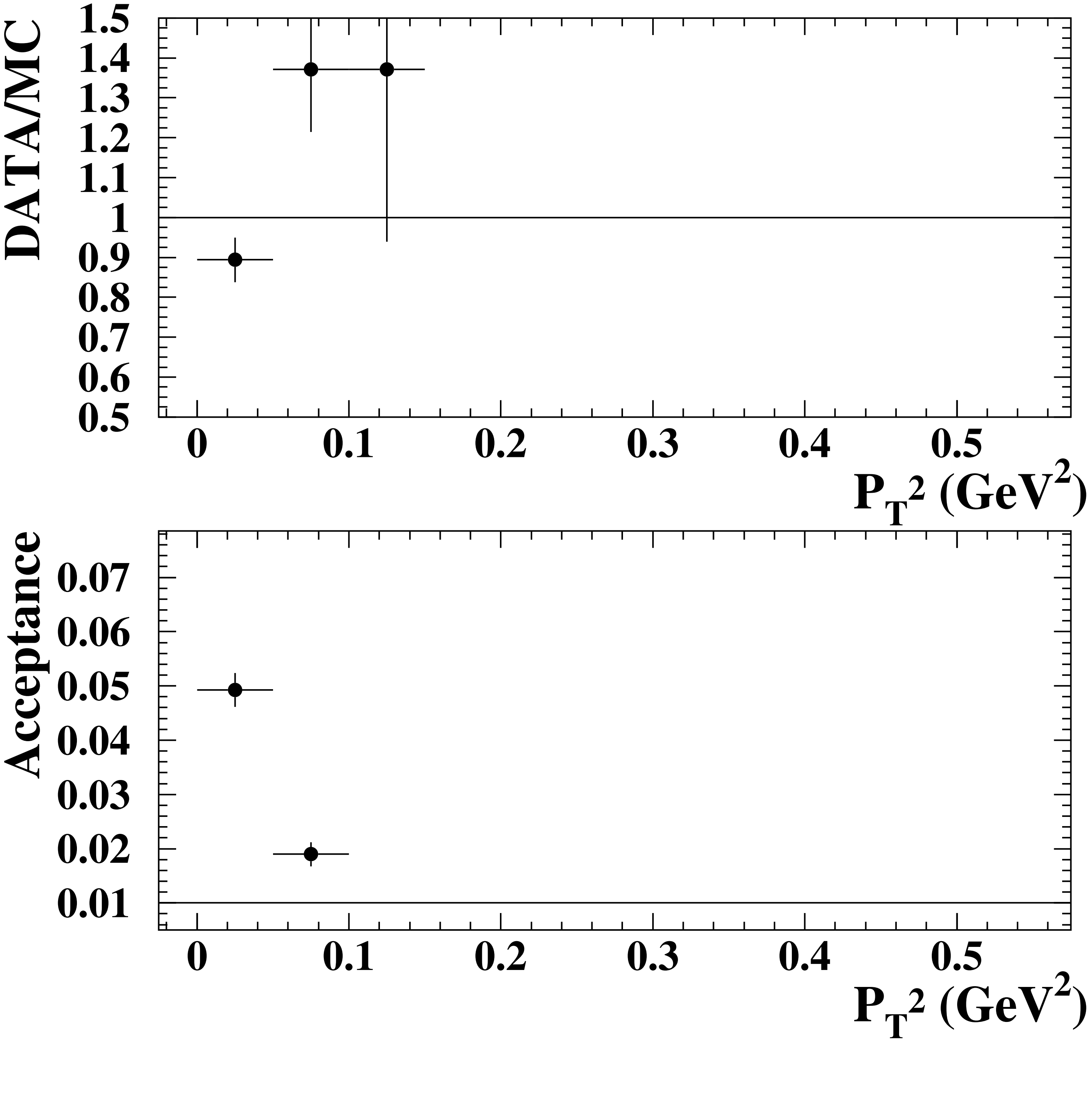
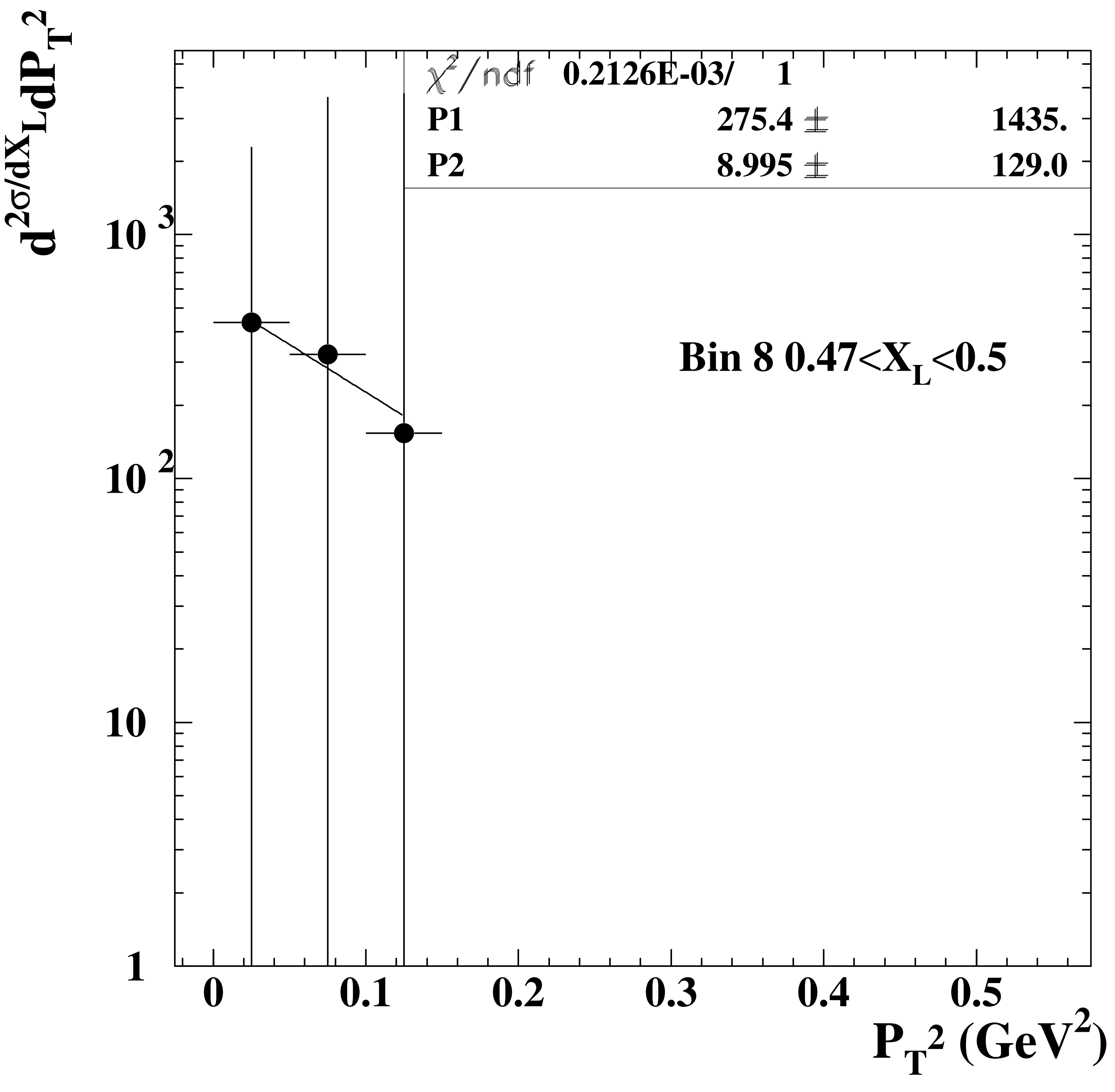
$d^2\sigma/dX_L dP_T^2$
χ^2/ndf 0.000 / 0
P1 217.5 ± 1562.
P2 -0.9194 ± 217.7
Bin 7 0.44<X_L<0.47
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

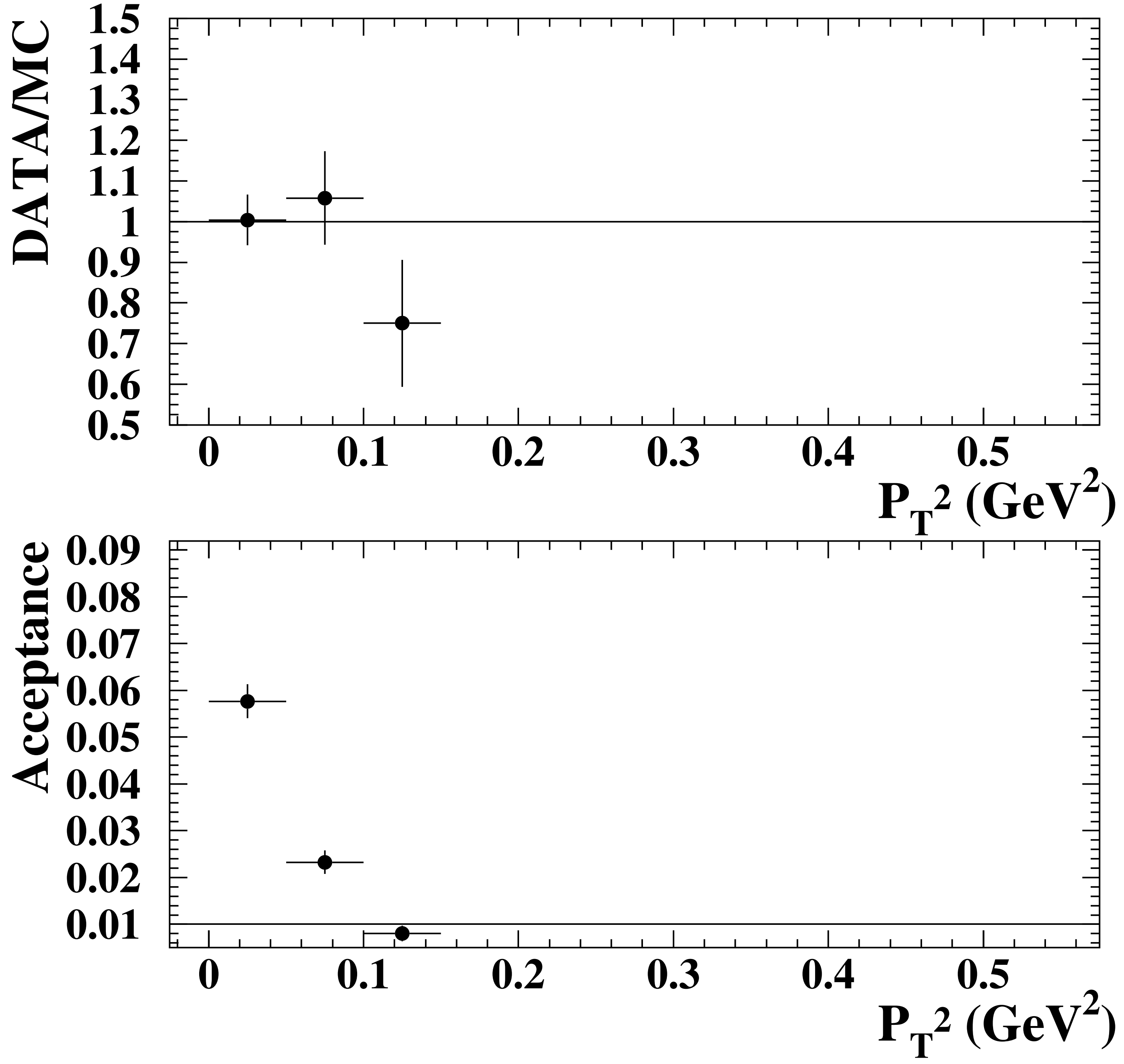
2006/10/30   13.46



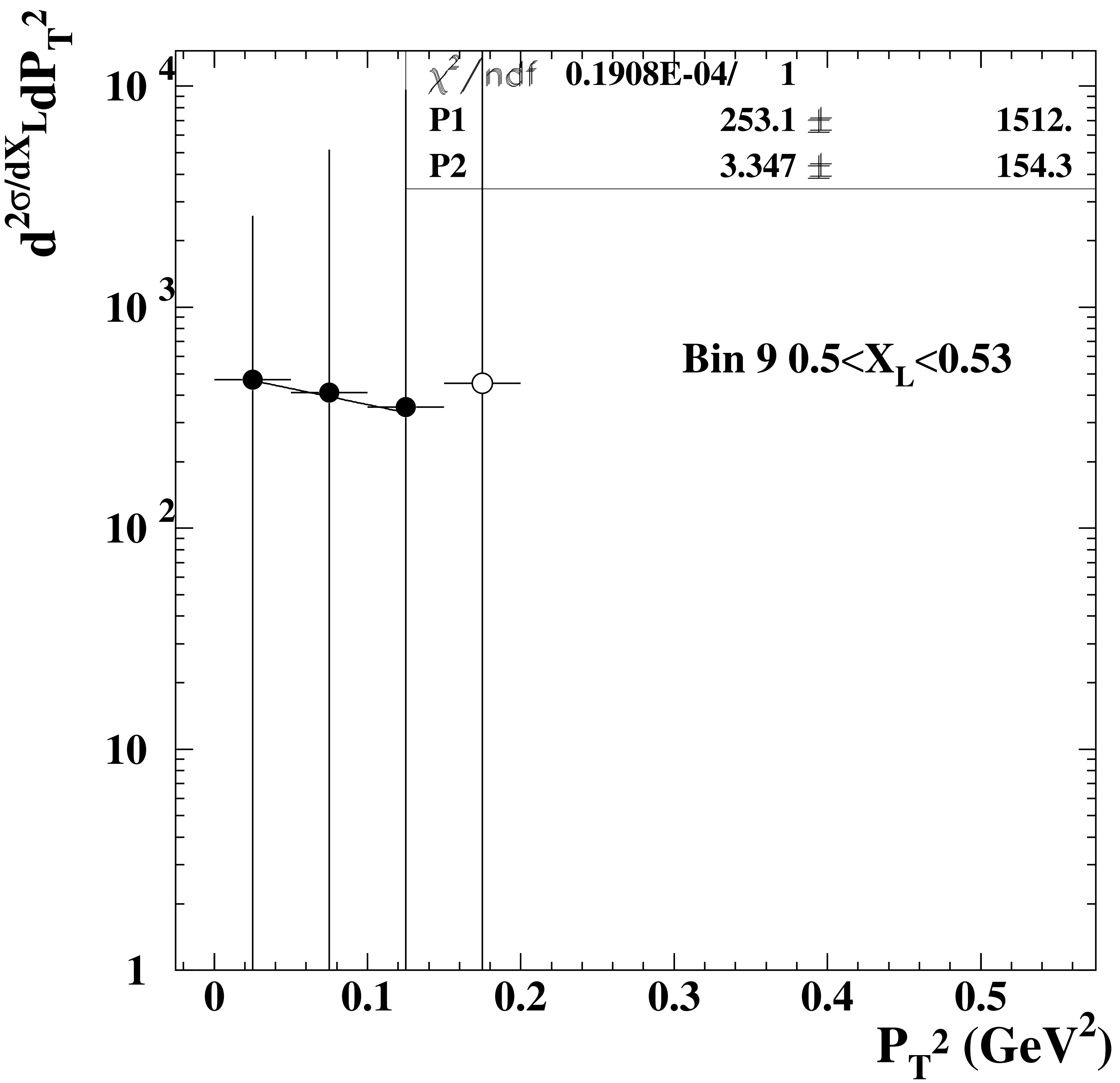
2006/10/30 13.46



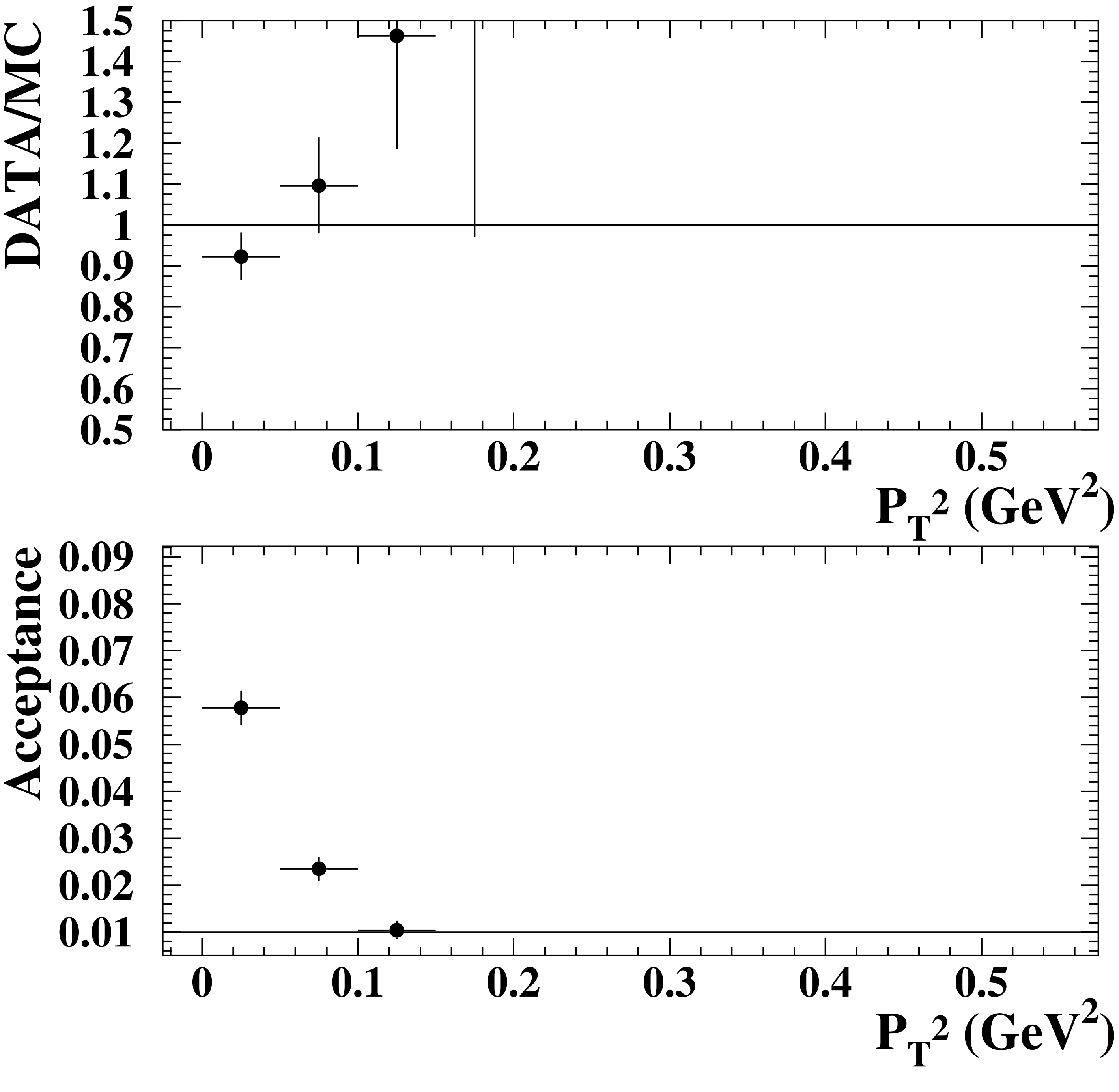
2006/10/30   13.46



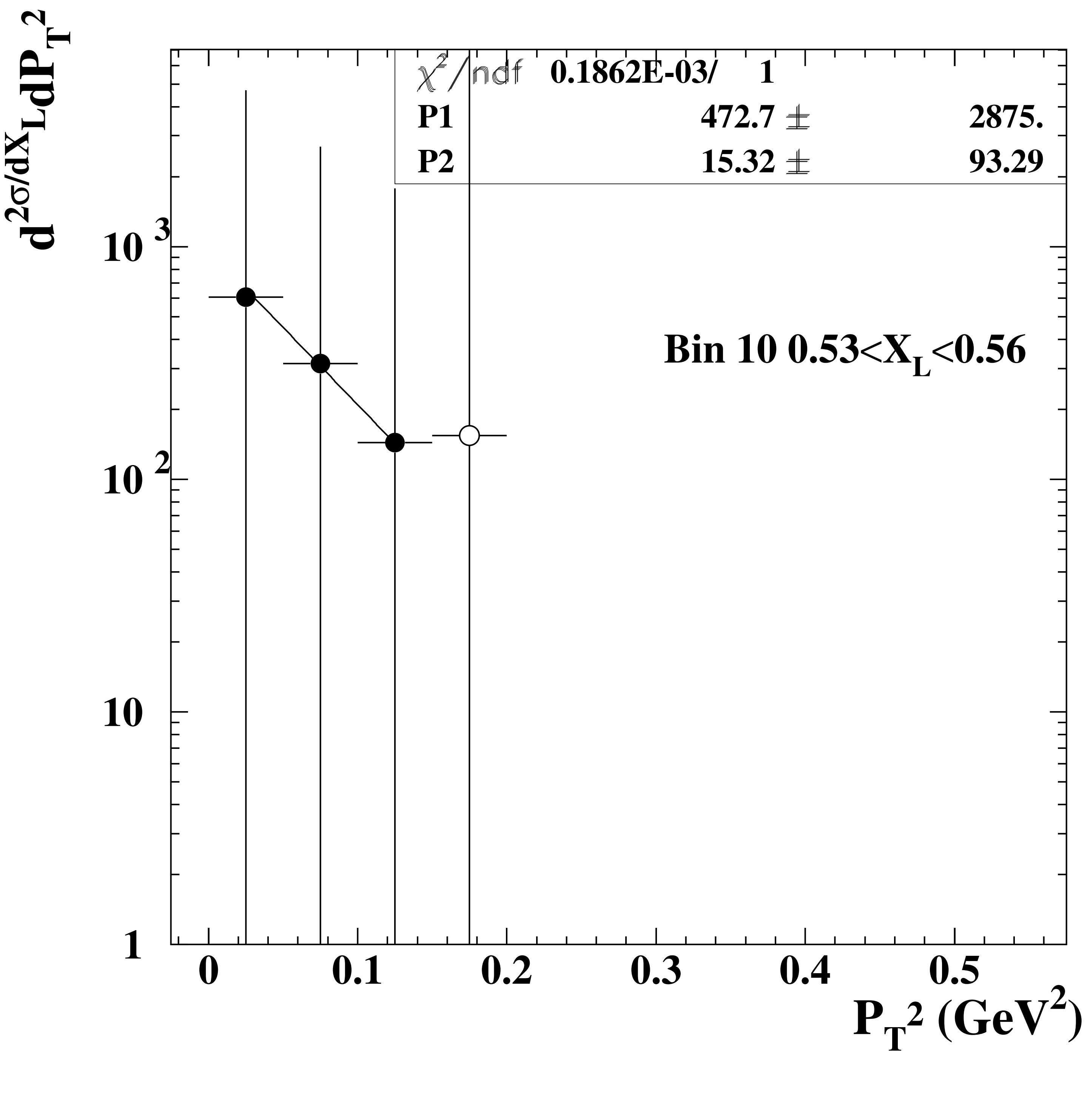
2006/10/30 13.46



2006/10/30 13.46



2006/10/30 13.46



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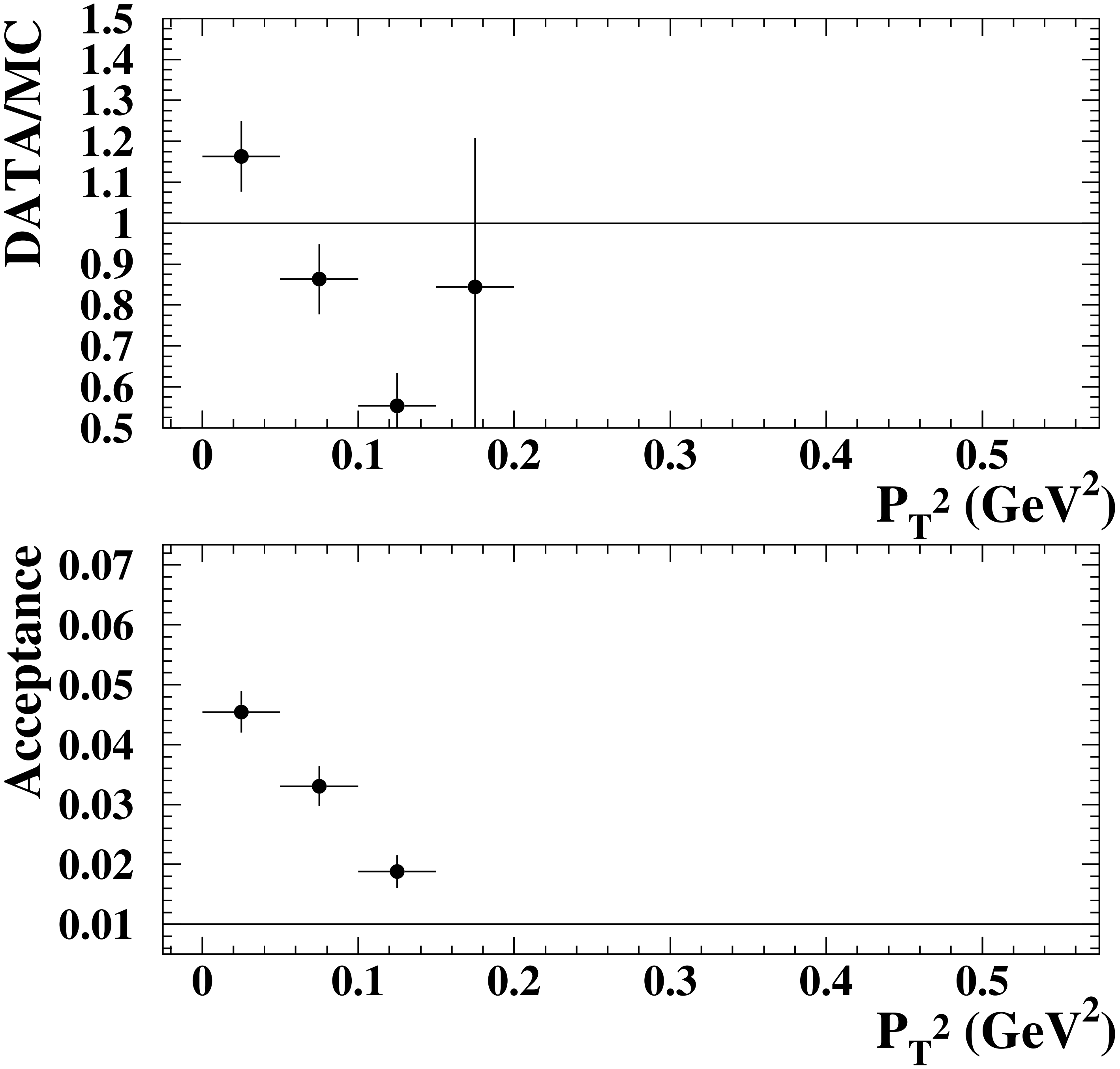
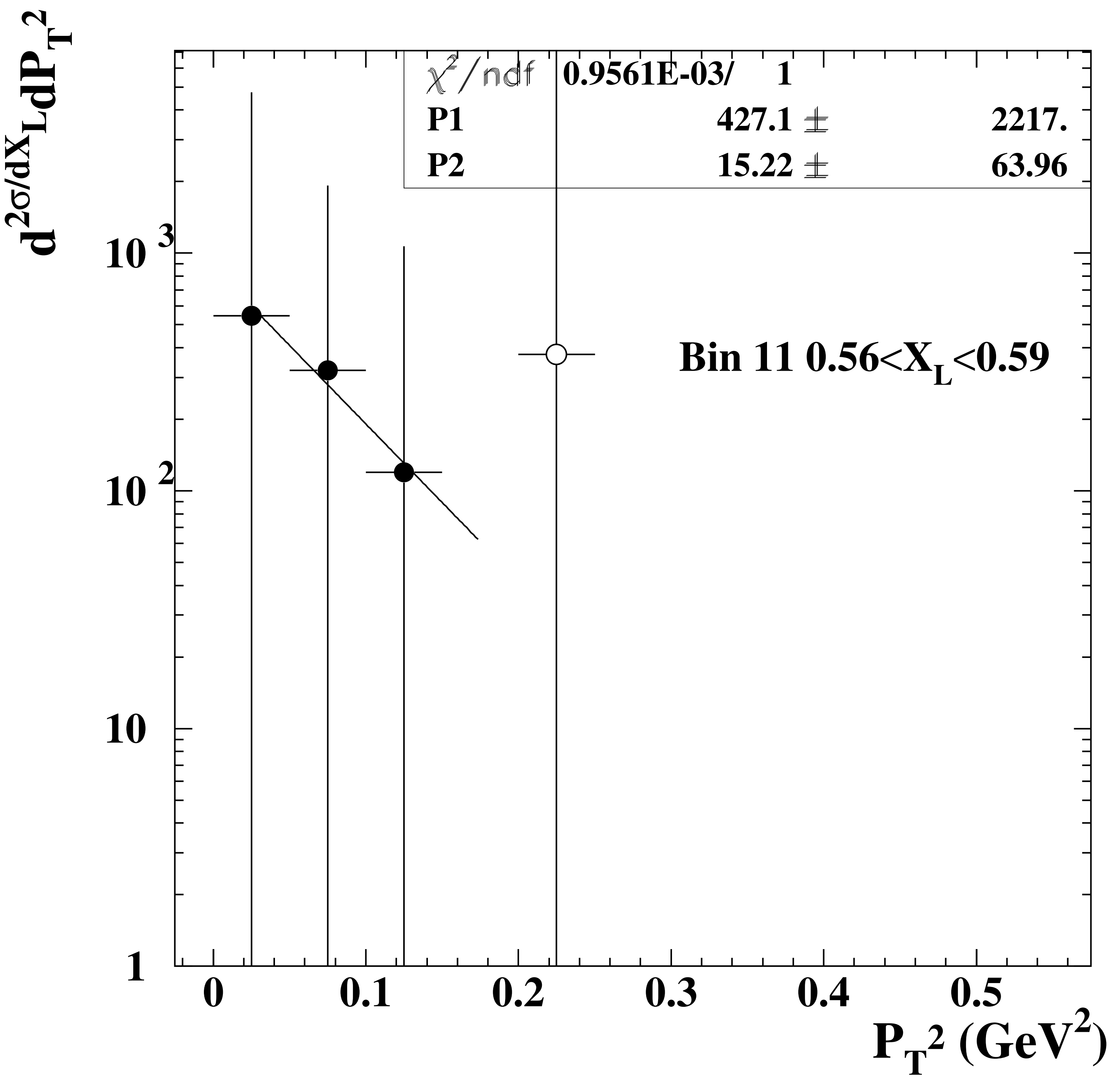
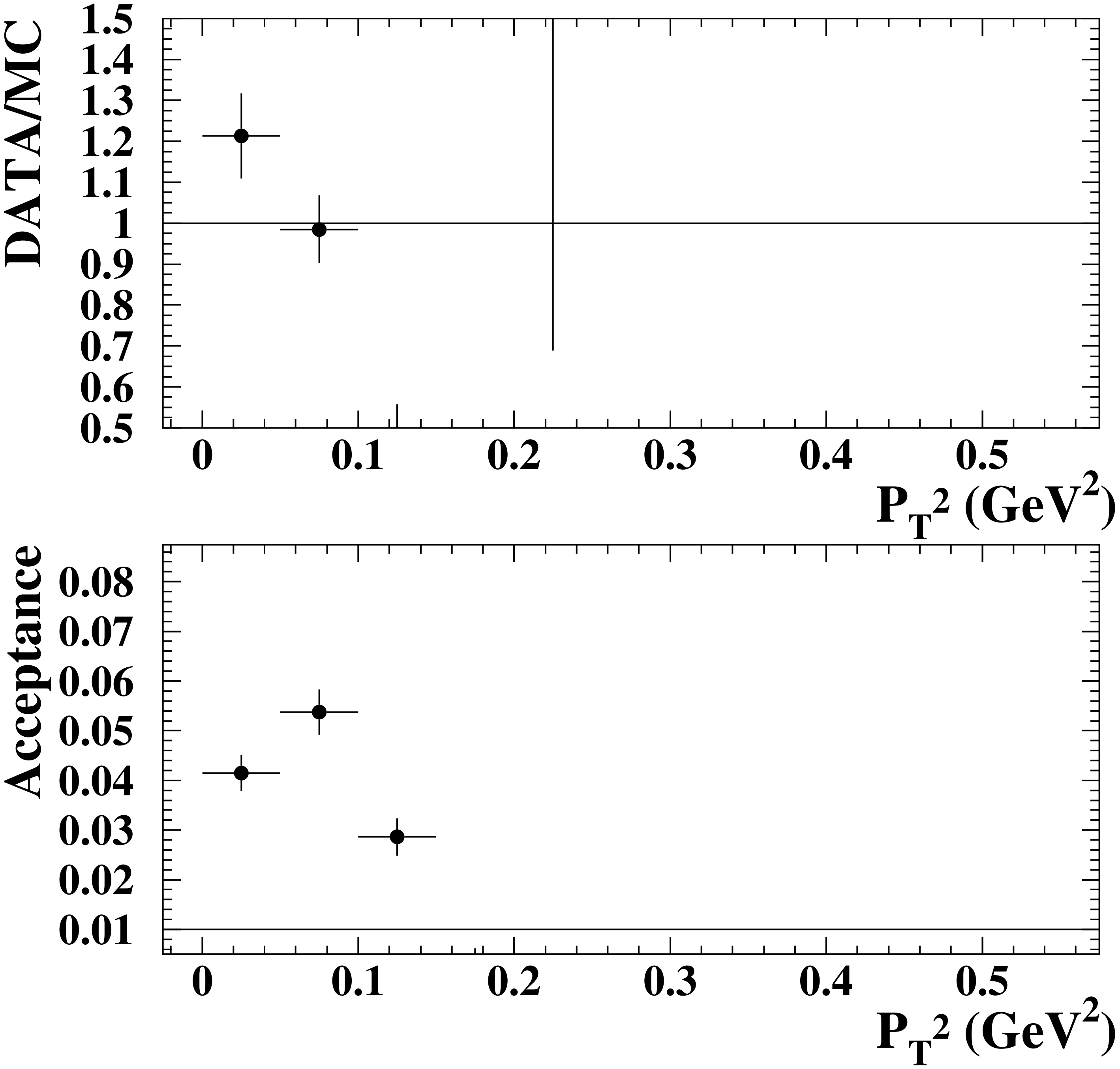


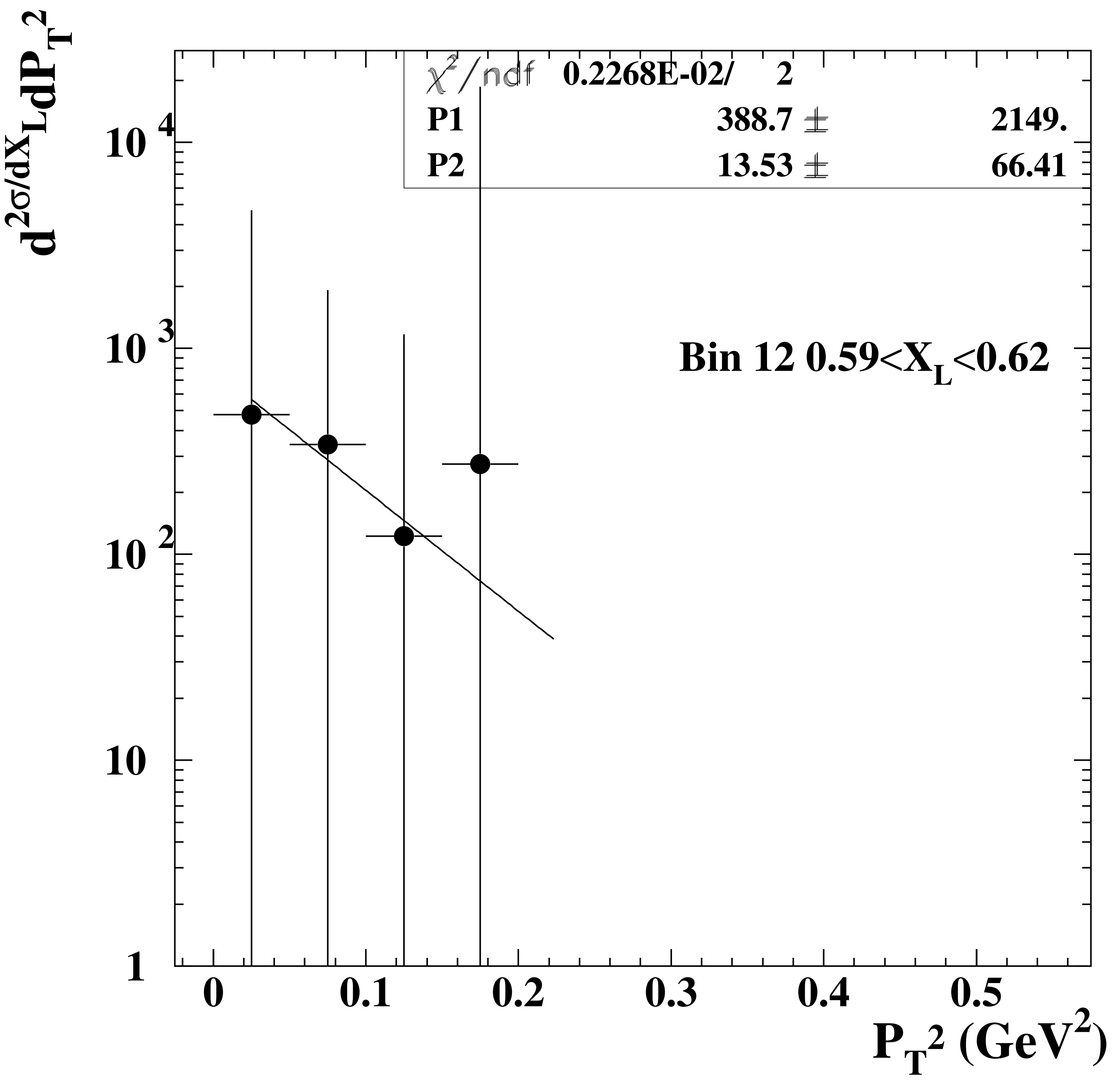
2006/10/30 13.46



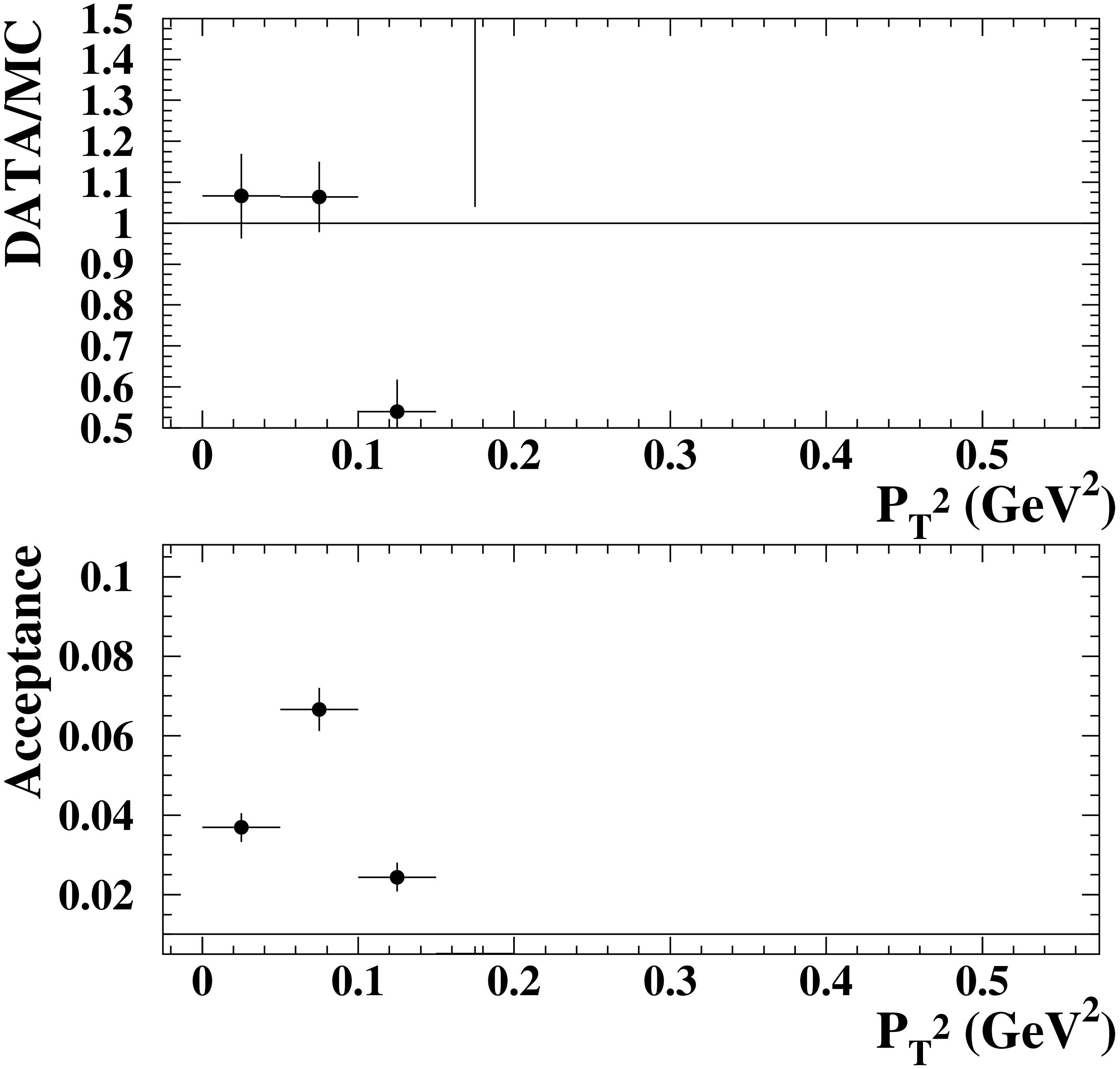
2006/10/30 13.46

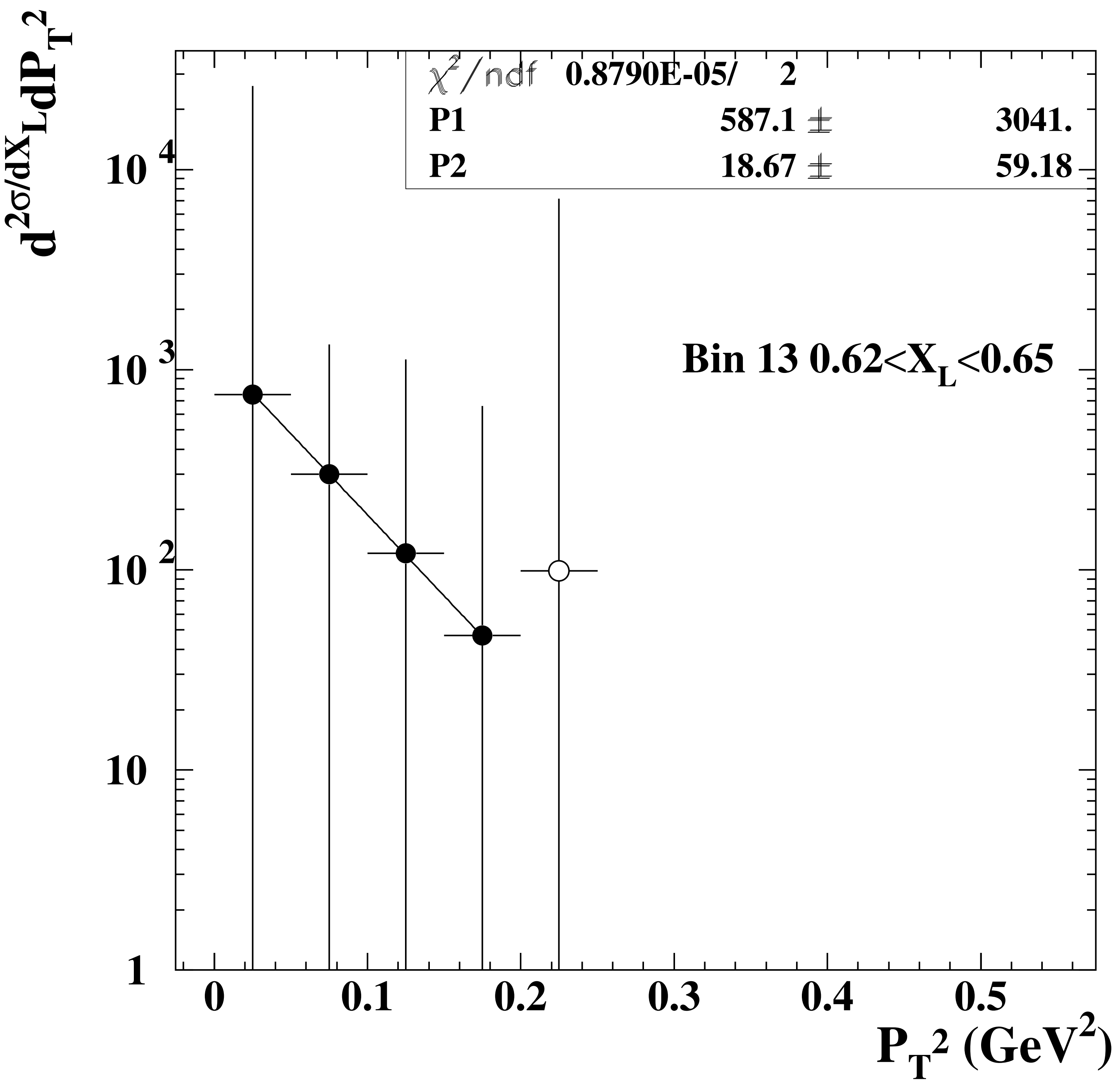


2006/10/30 13.46



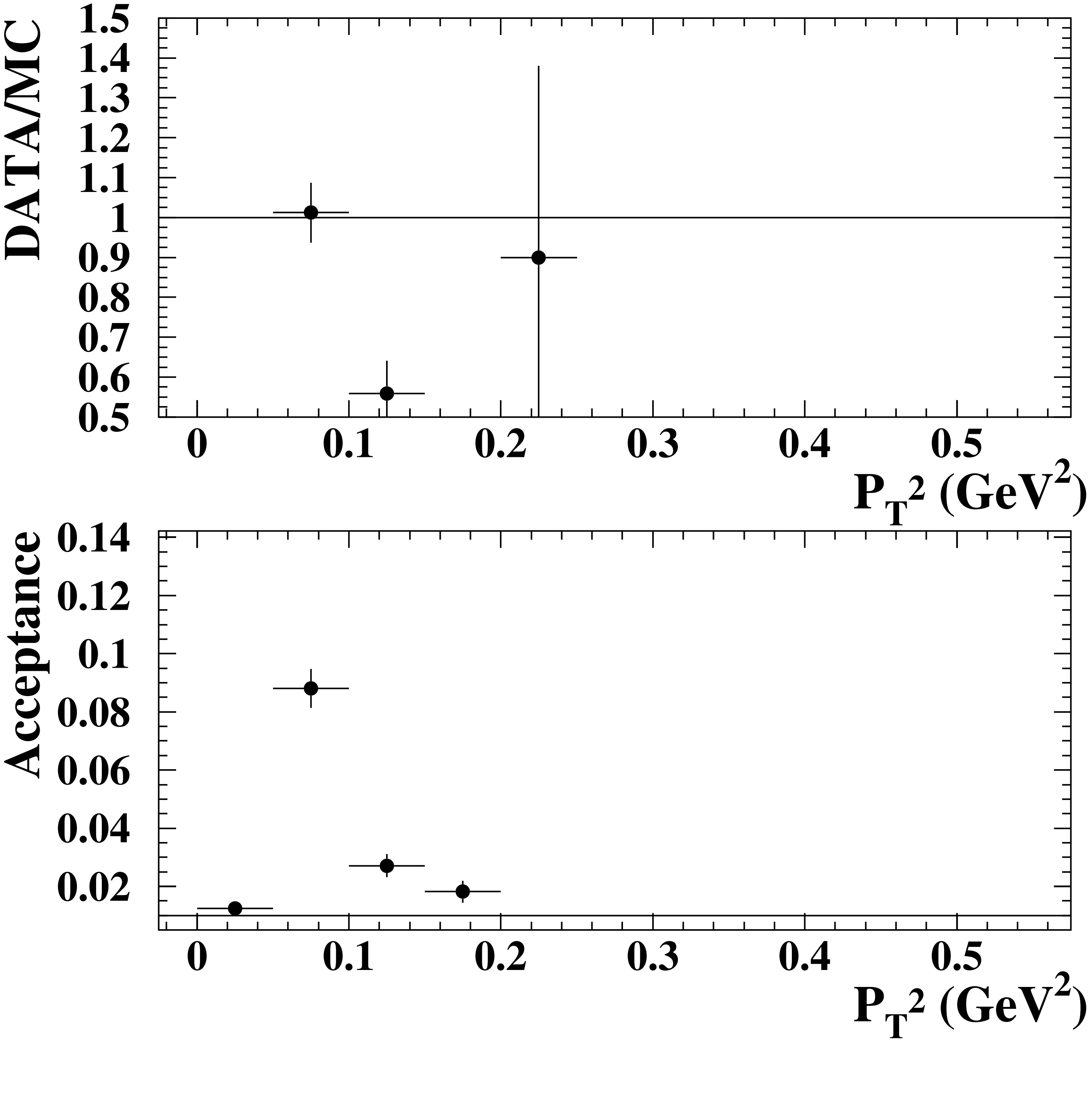
2006/10/30 13.46



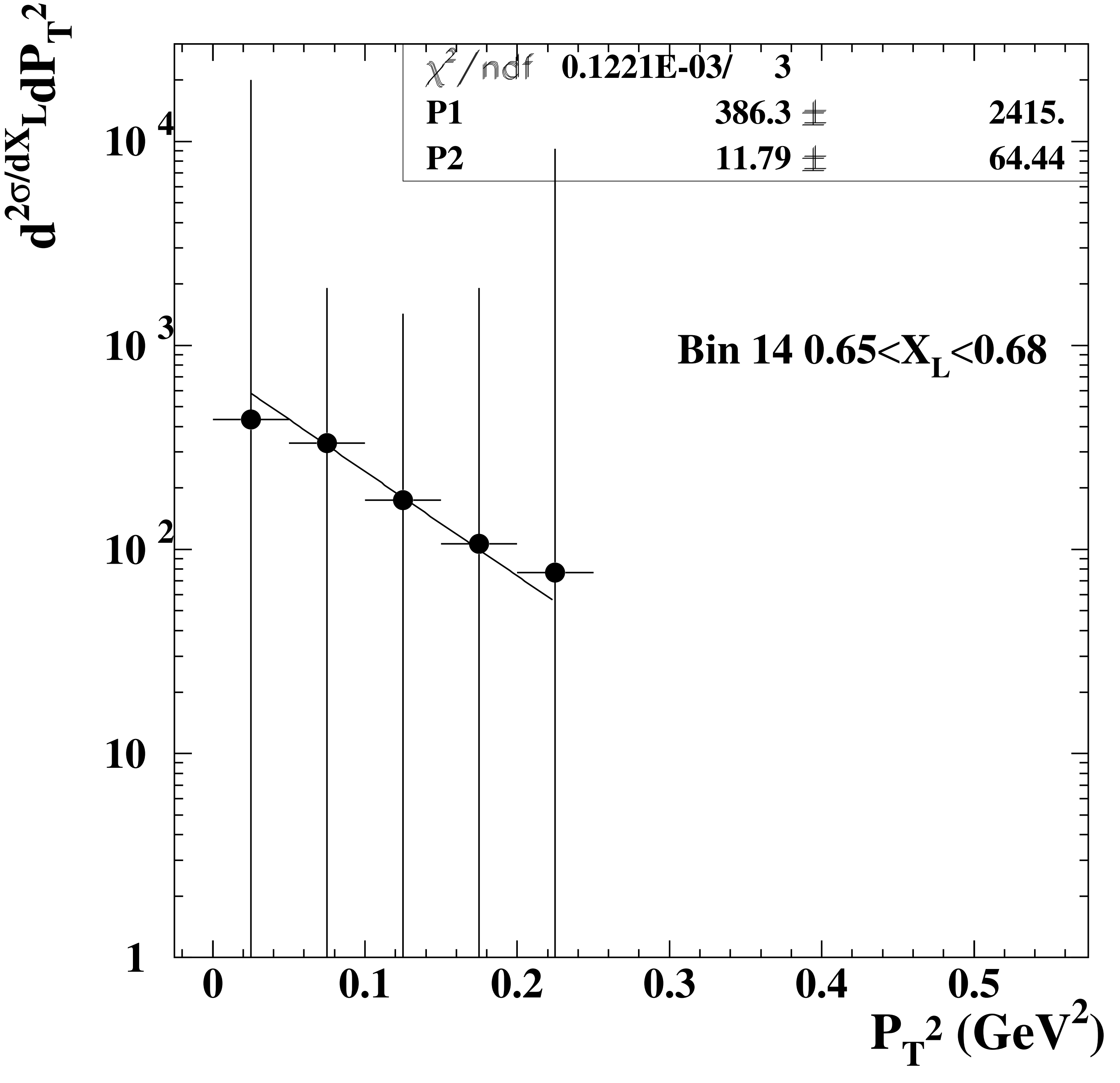


χ^2/ndf 0.8790E-05/ 2
P1 587.1 ± 3041.
P2 18.67 ± 59.18
Bin 13 $0.62<X_L<0.65$
$d^2\sigma/dX_L dP_T^2$
P_T^2 (GeV^2)
1
10
10^2
10^3
10^4
0
0.1
0.2
0.3
0.4
0.5

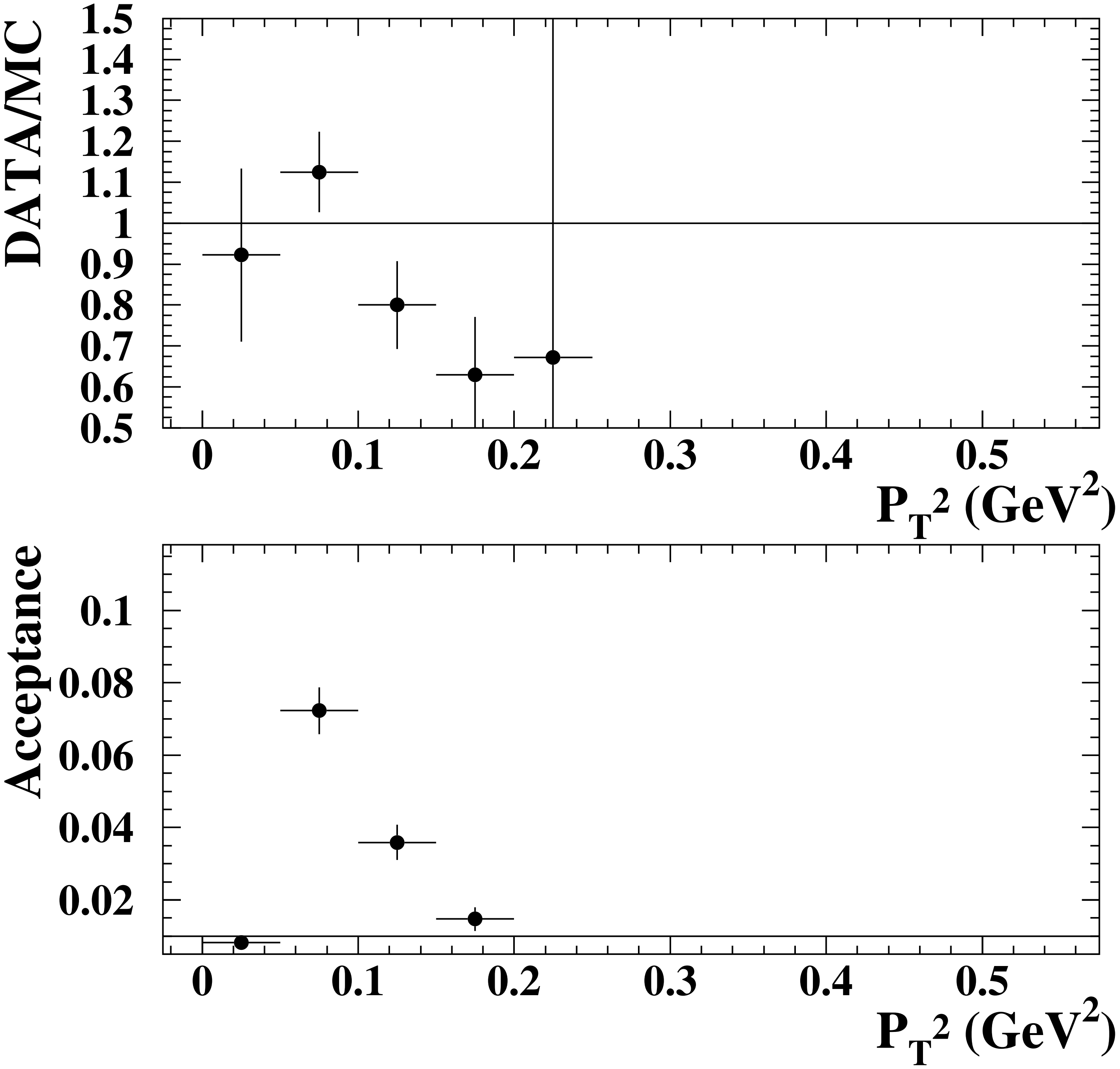
2006/10/30 13.46

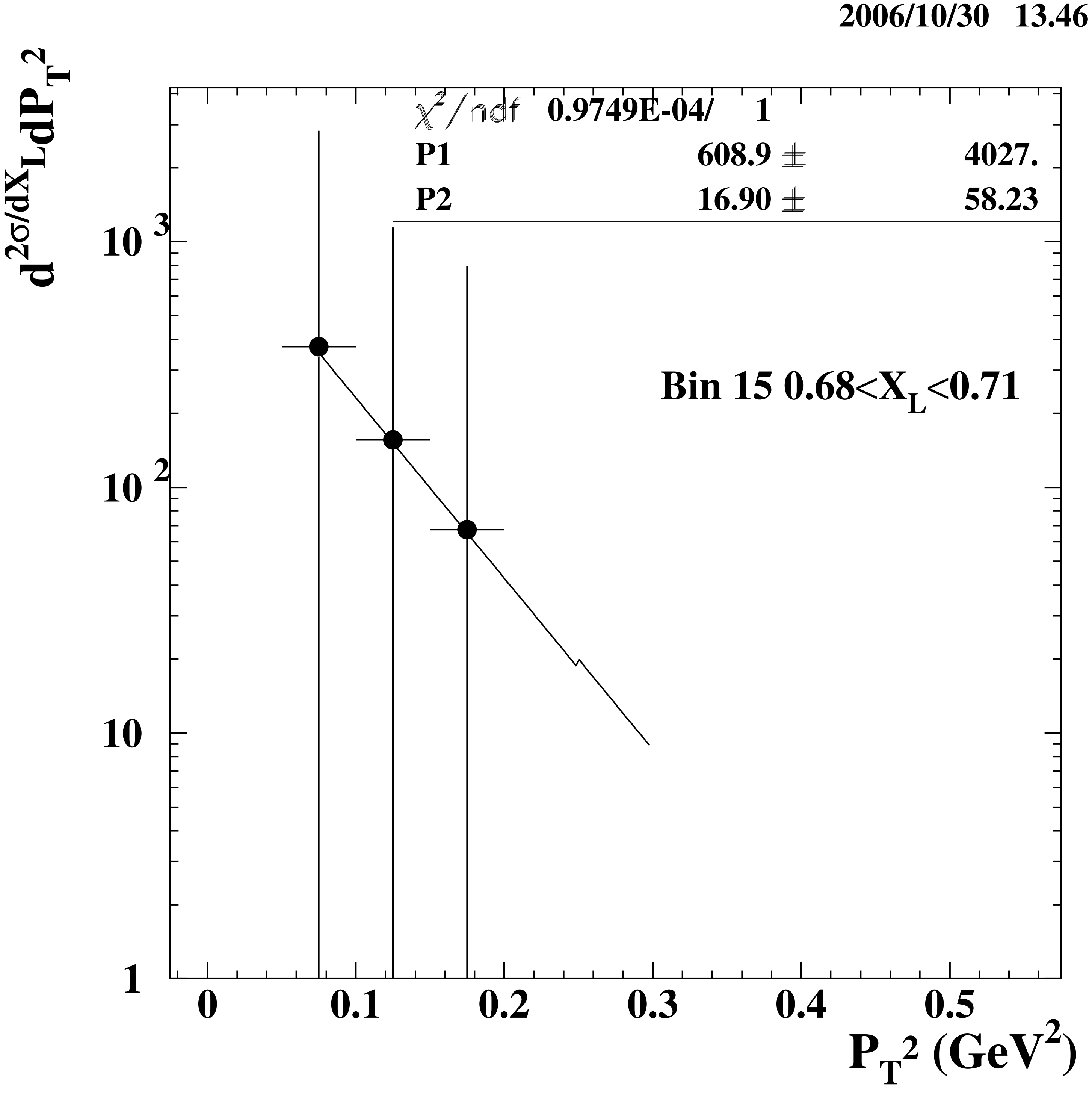


2006/10/30 13.46



2006/10/30 13.46





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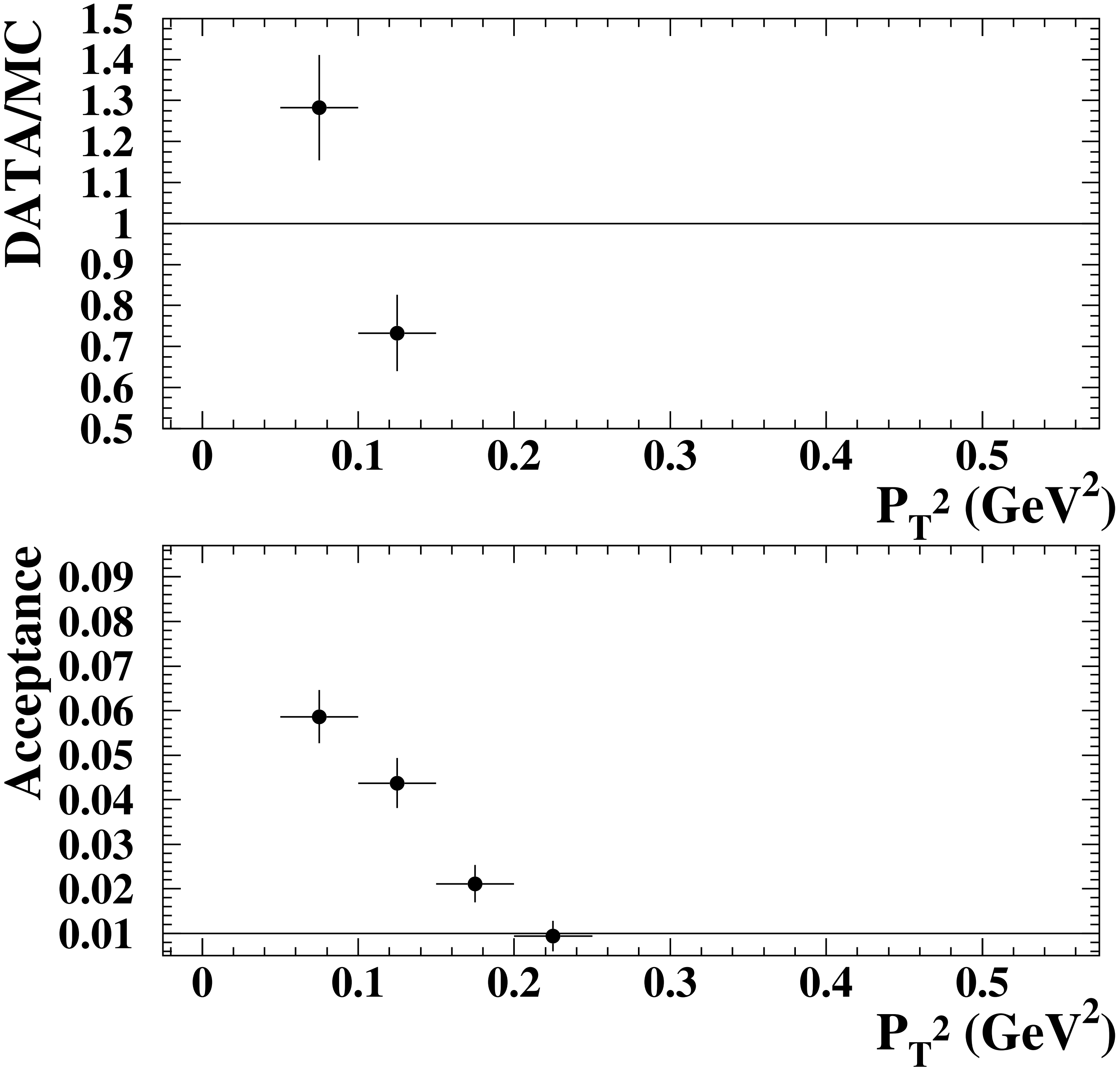
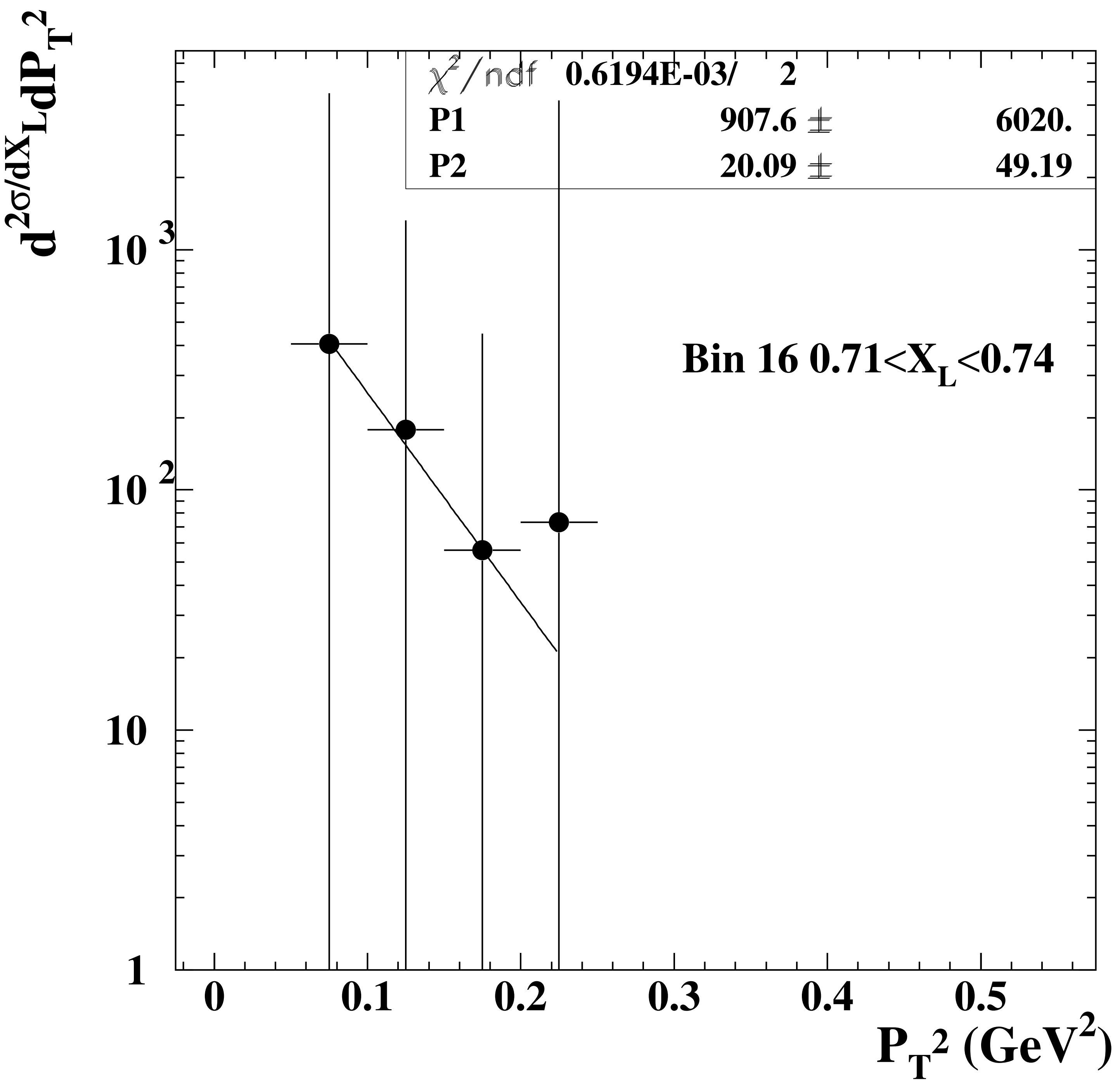
χ^2/ndf 0.9749E-04/ 1
P1 608.9 ± 4027.
P2 16.90 ± 58.23
Bin 15 0.68<X_L<0.71
$d^2\sigma/dX_L dP_T^2$
P_T^2 (GeV^2)

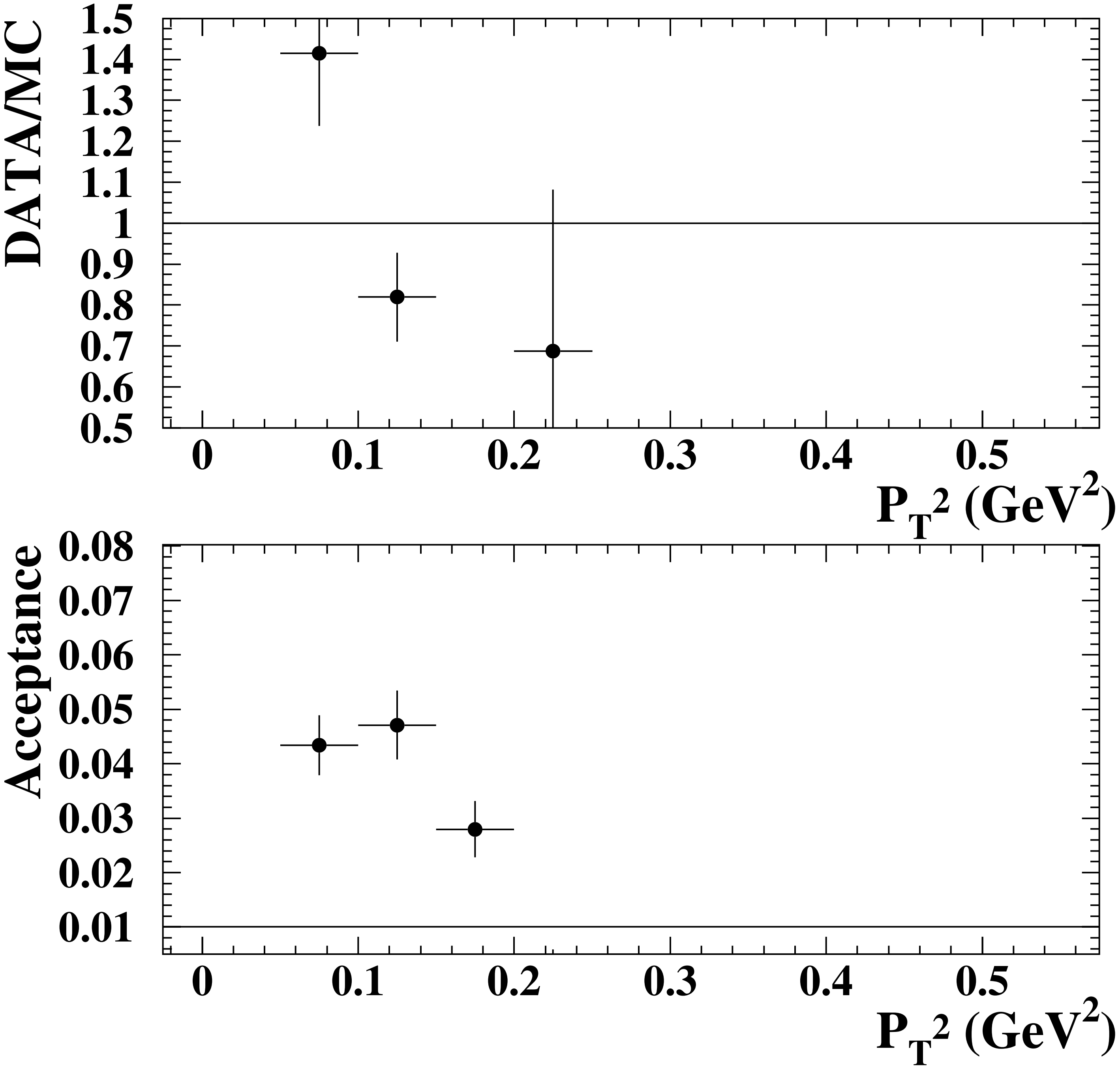
2006/10/30 13.46

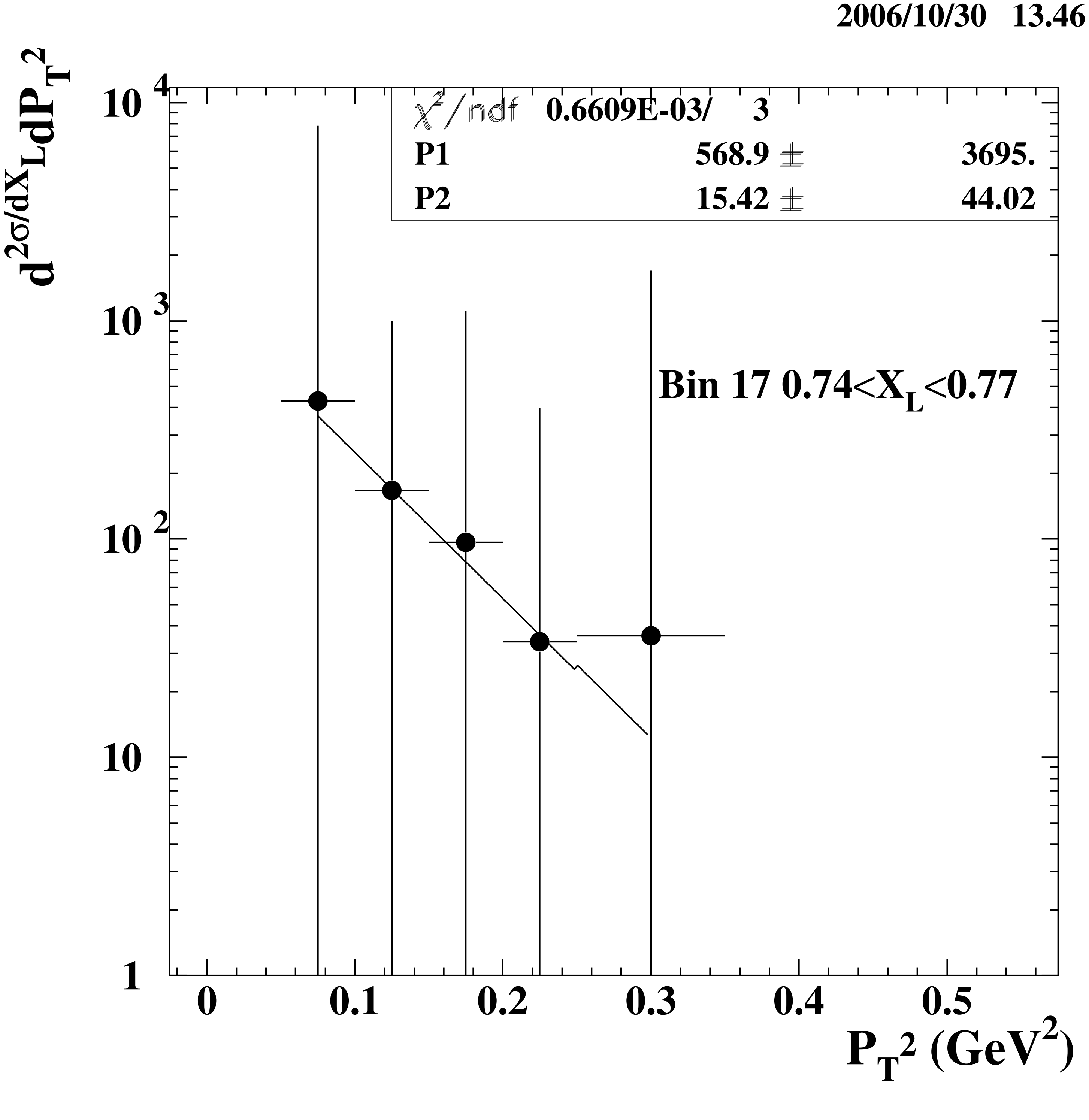


2006/10/30   13.46

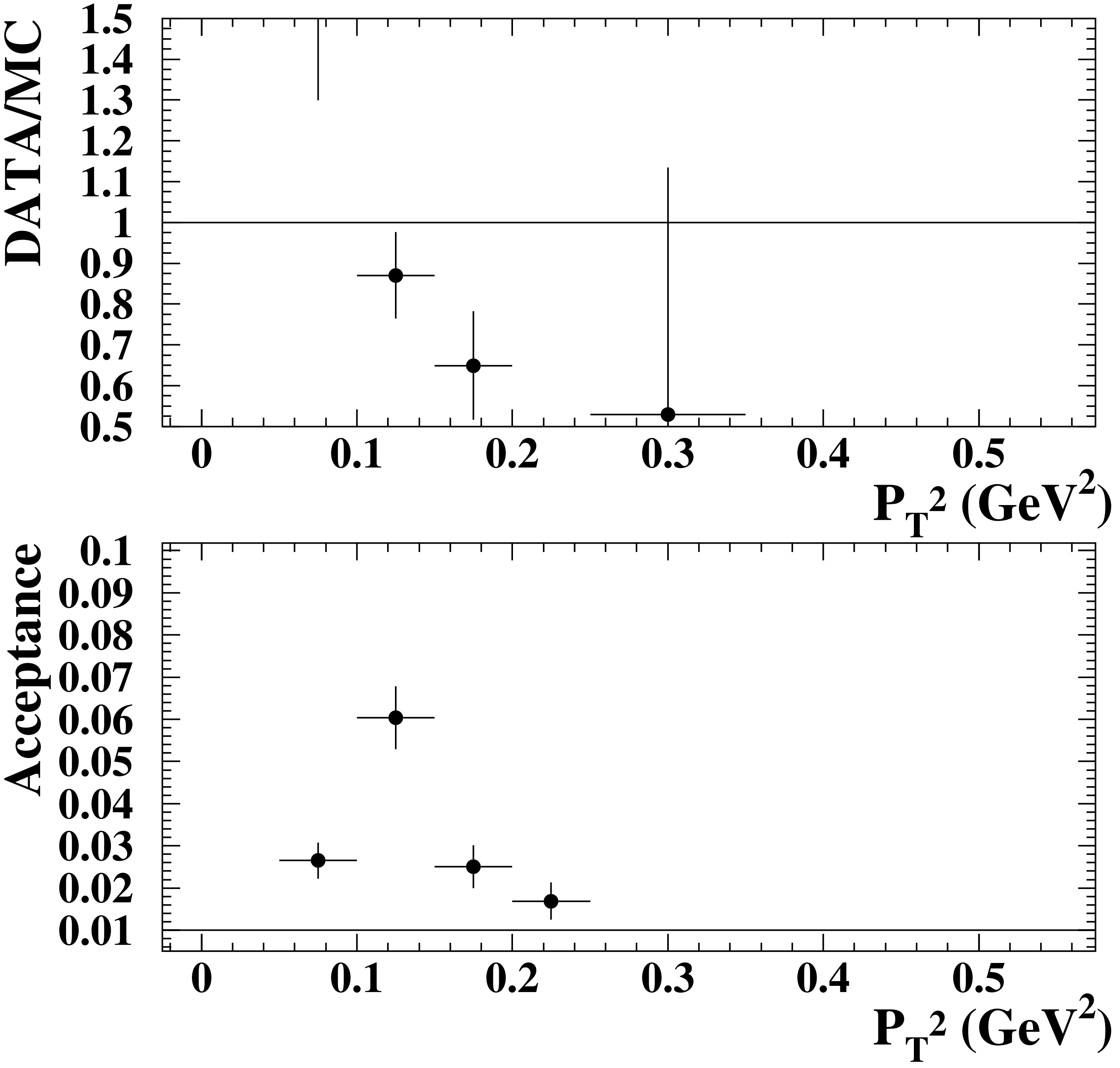


2006/10/30 13.46

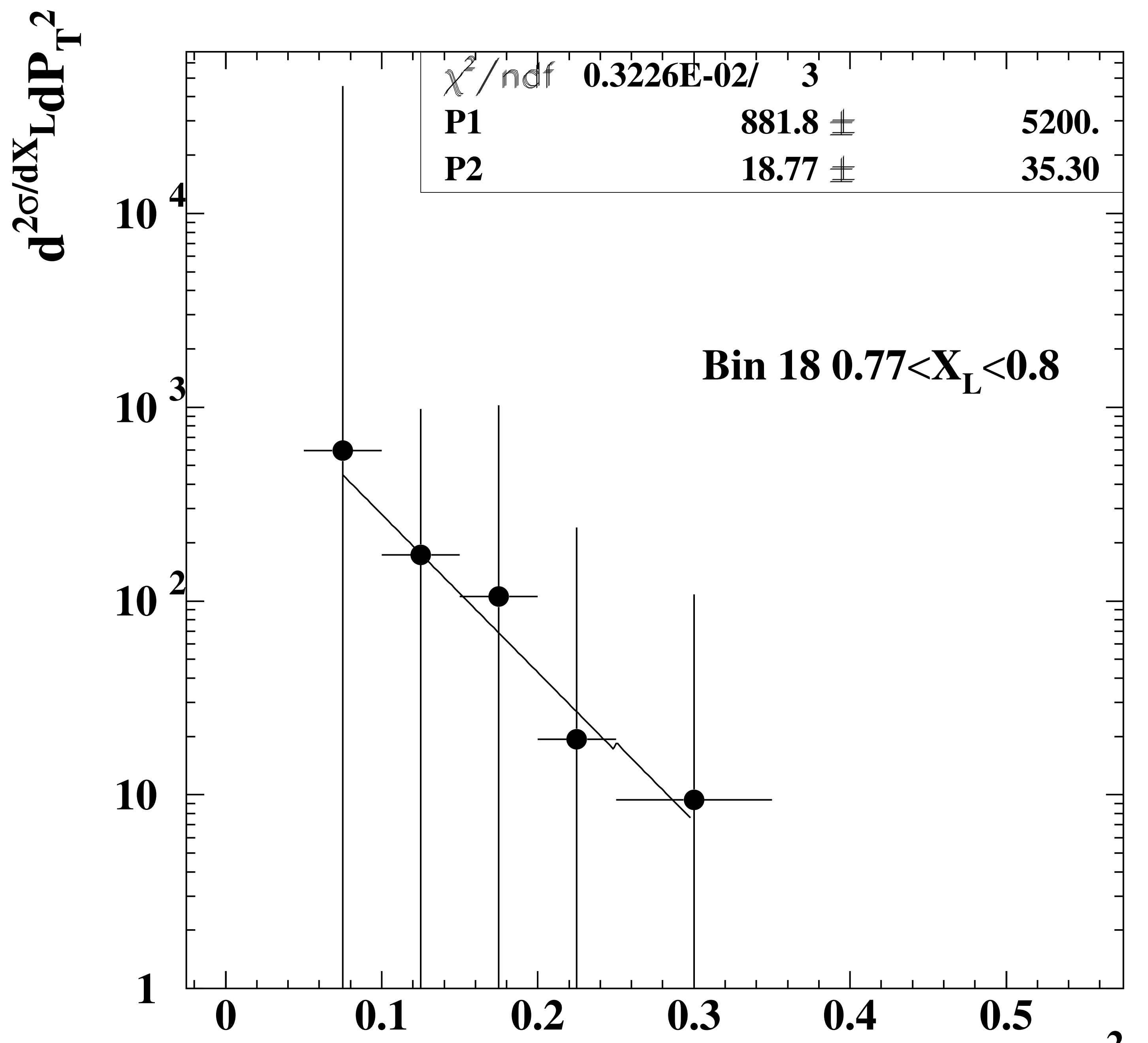



2006/10/30 13.46
$d^{2\sigma/dX_L dP_T^2}$
χ^2/ndf 0.6609E-03/ 3
P1 568.9 ± 3695.
P2 15.42 ± 44.02
Bin 17 0.74<X_L<0.77
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

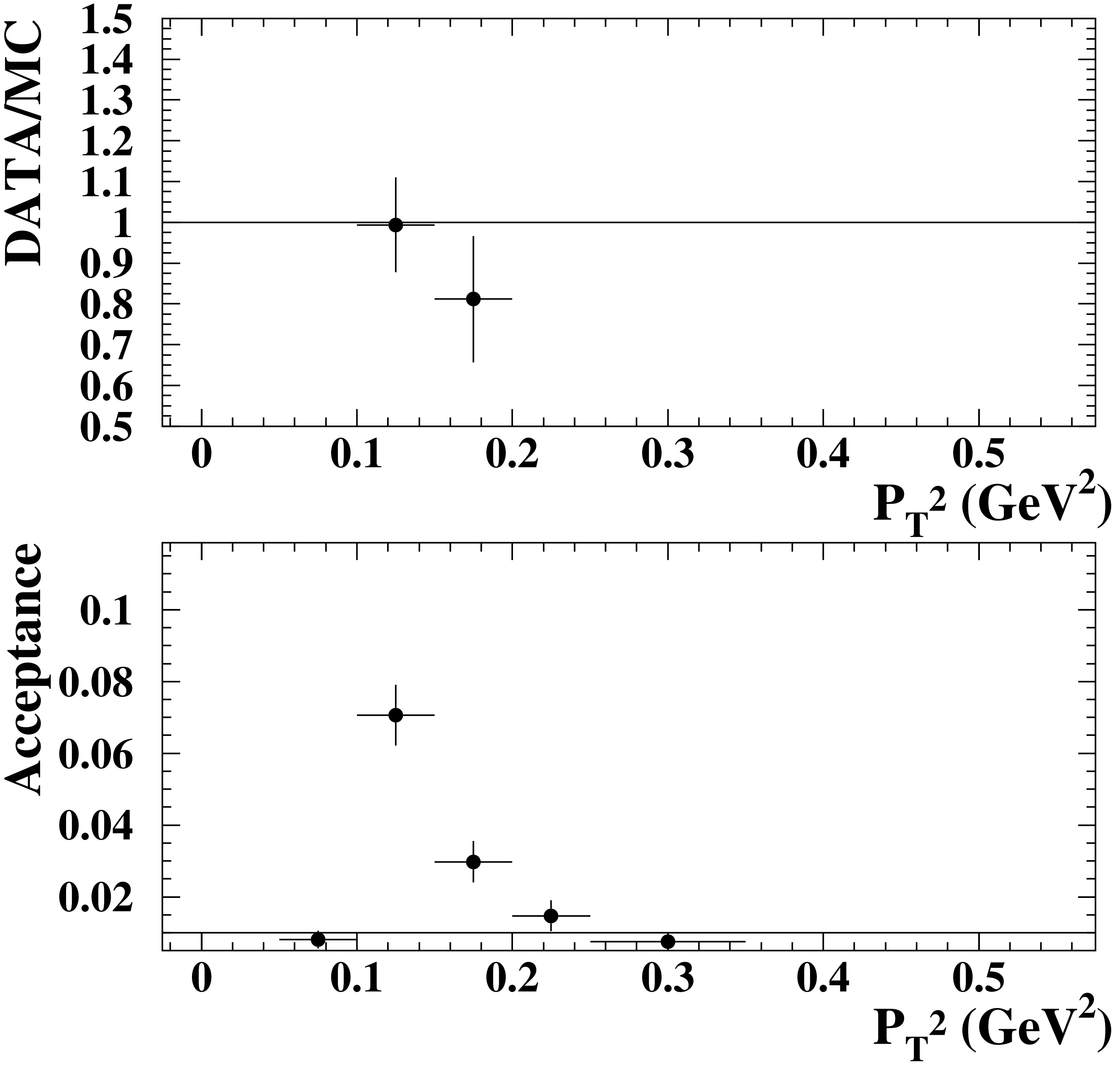
2006/10/30   13.46



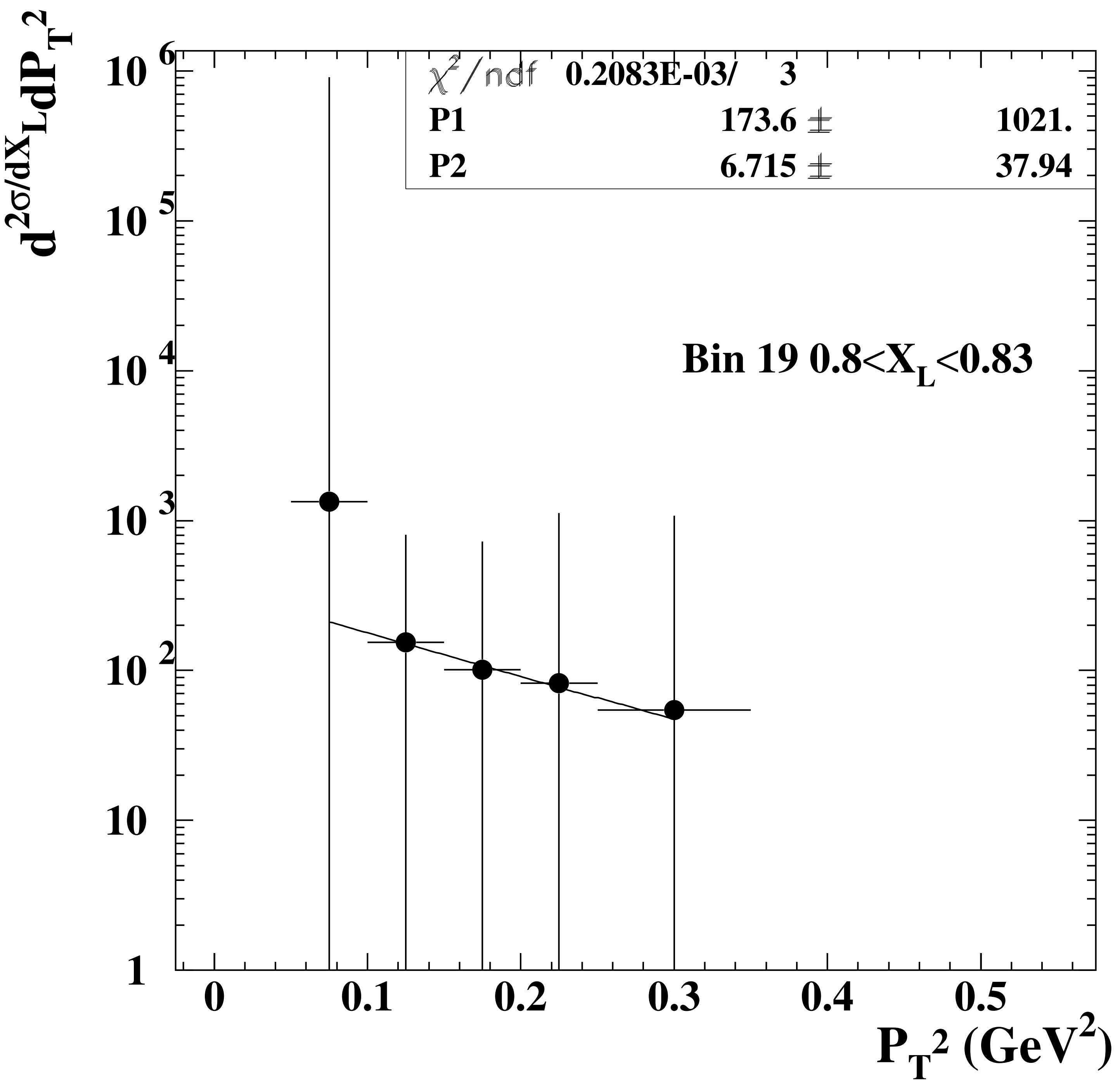
2006/10/30 13.46



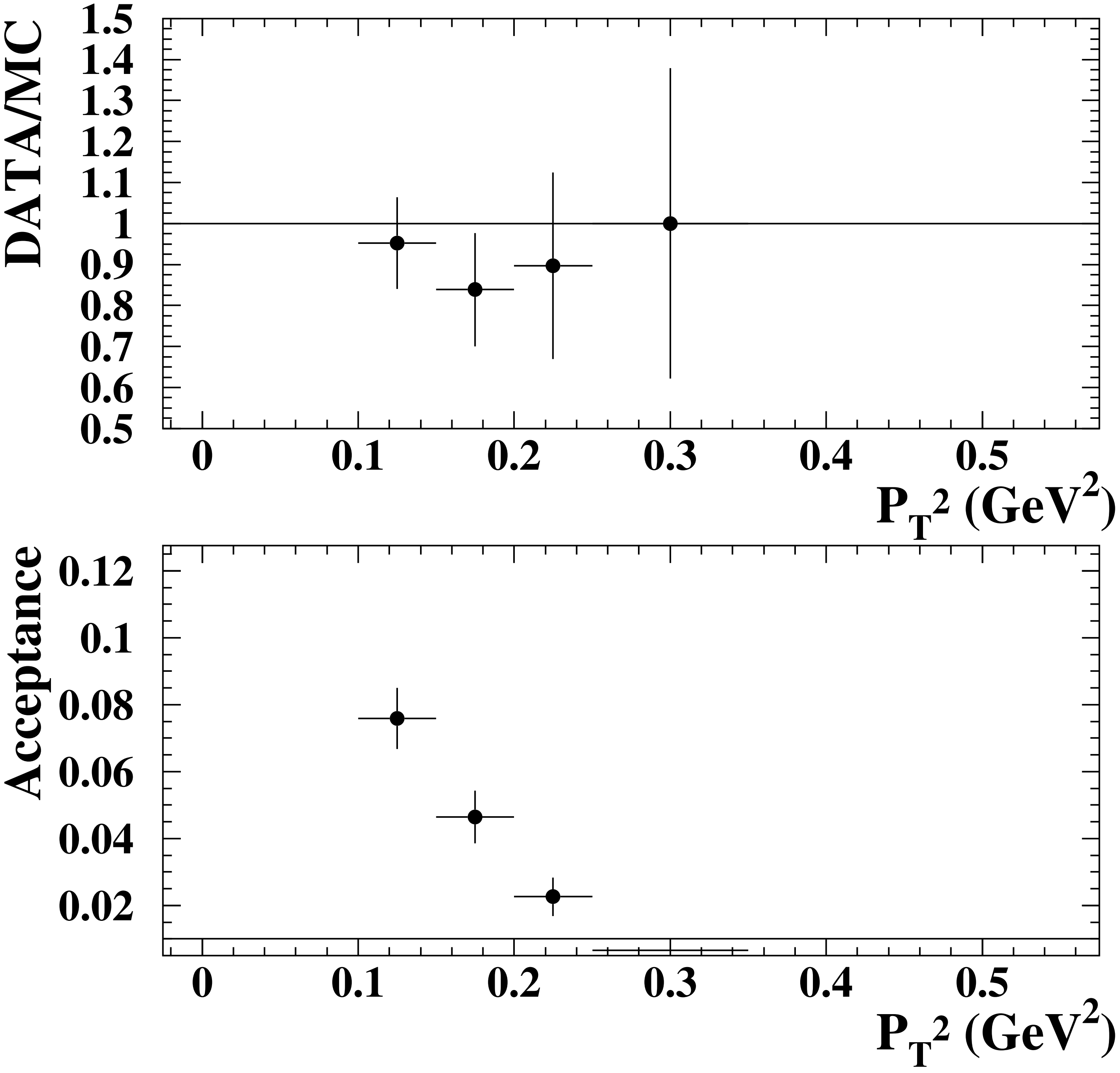
2006/10/30 13.46



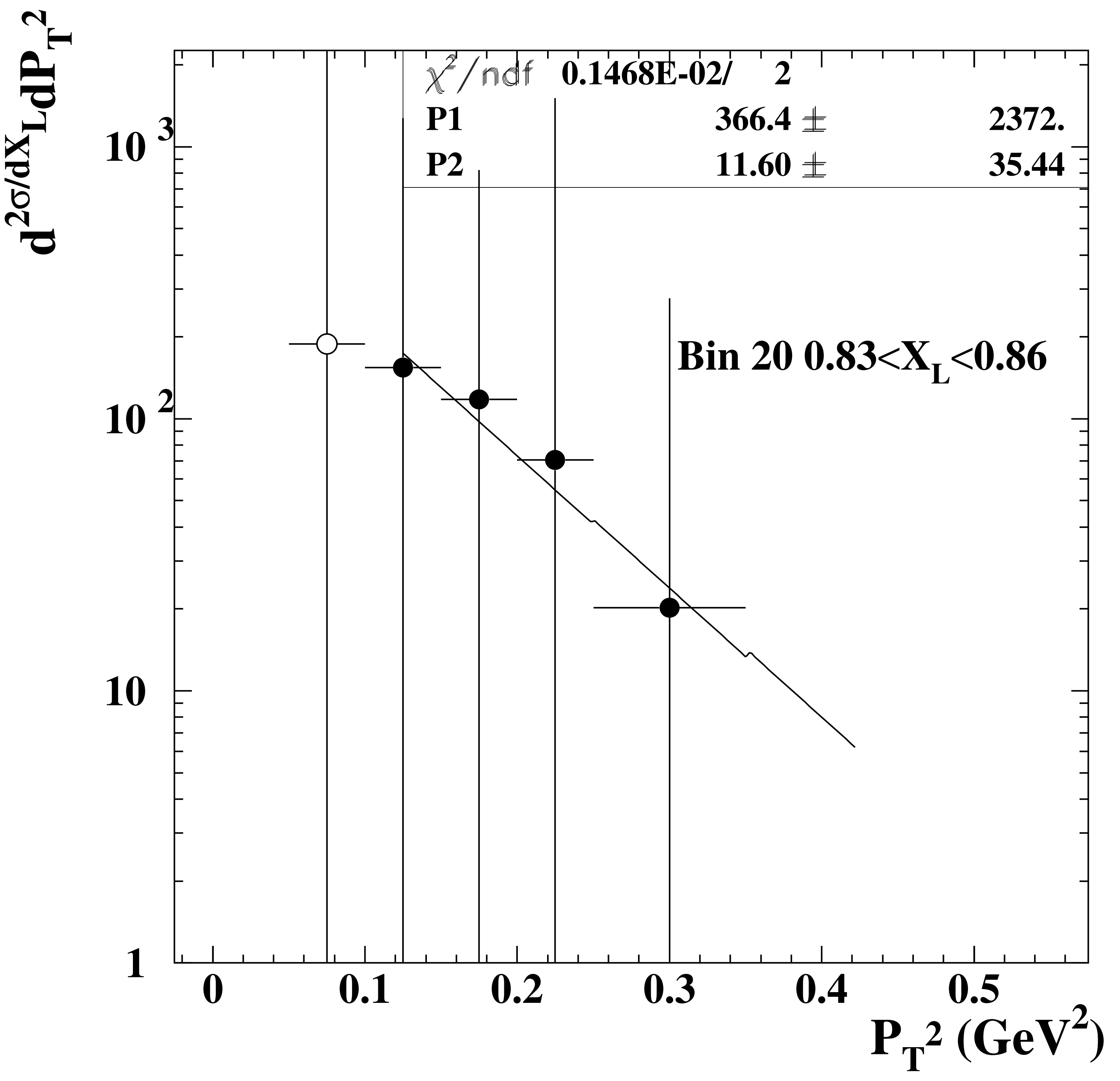
2006/10/30 13.46



2006/10/30   13.46



2006/10/30 13.46



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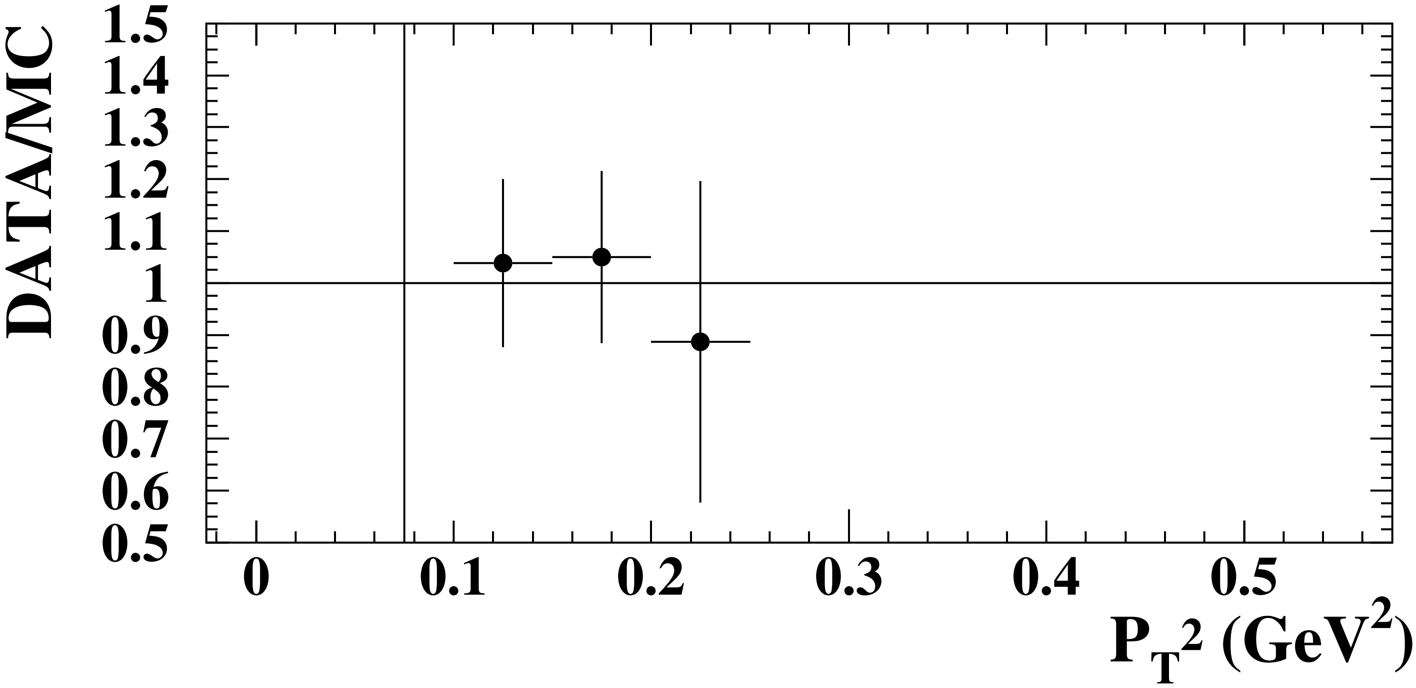
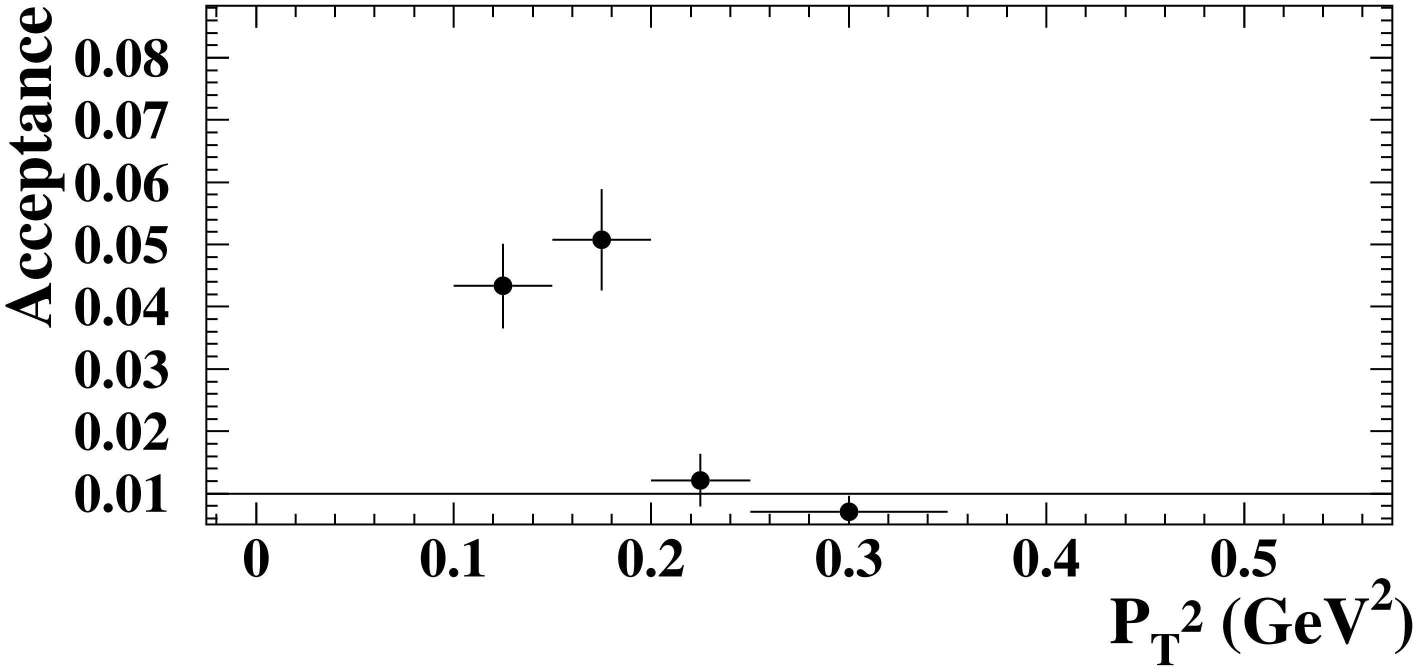
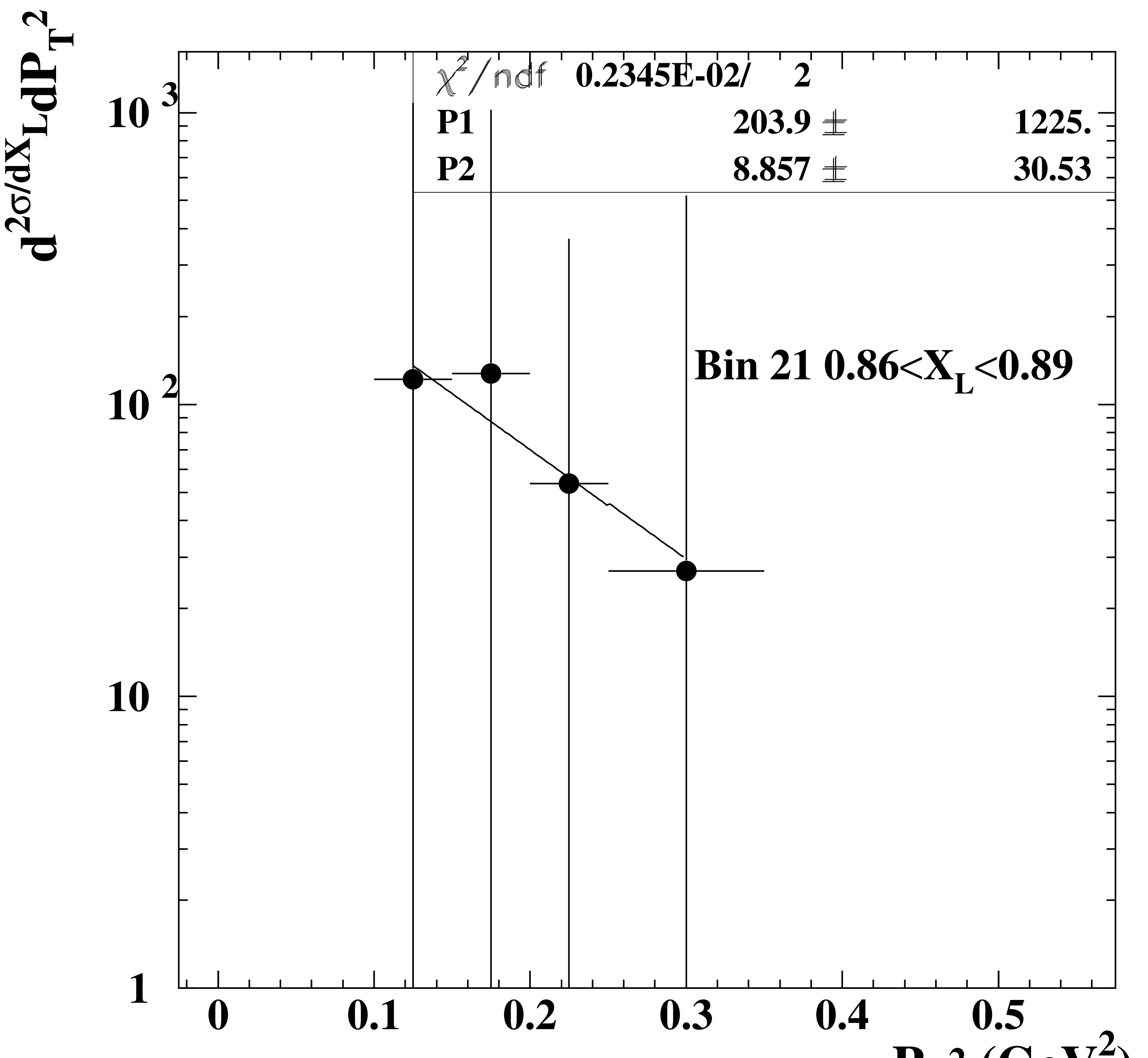




2006/10/30 13.46



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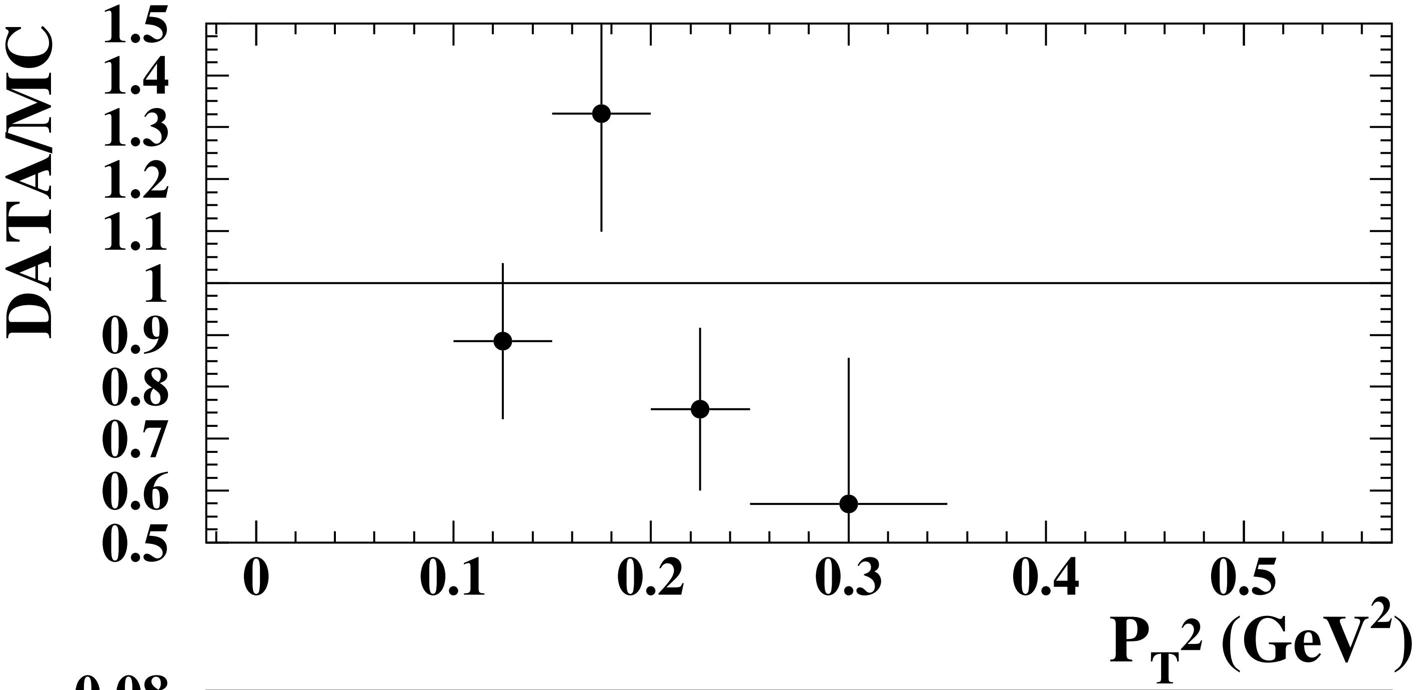
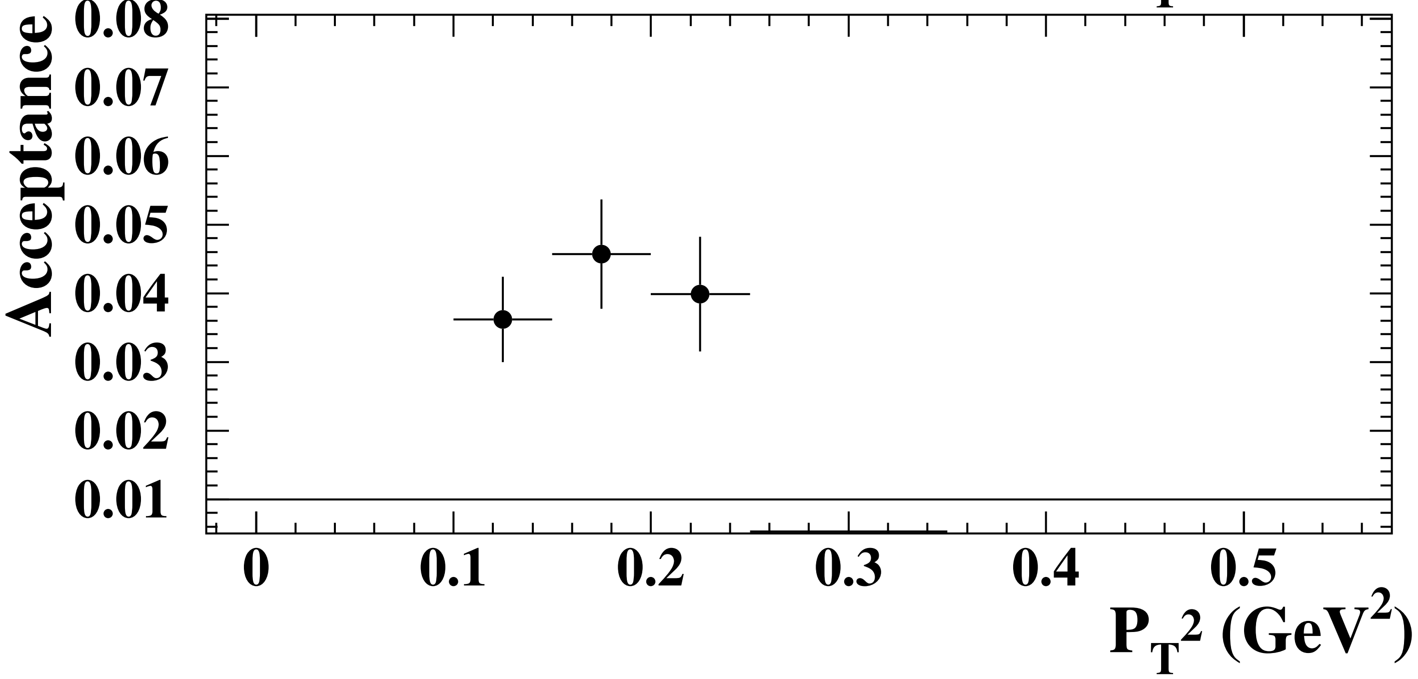
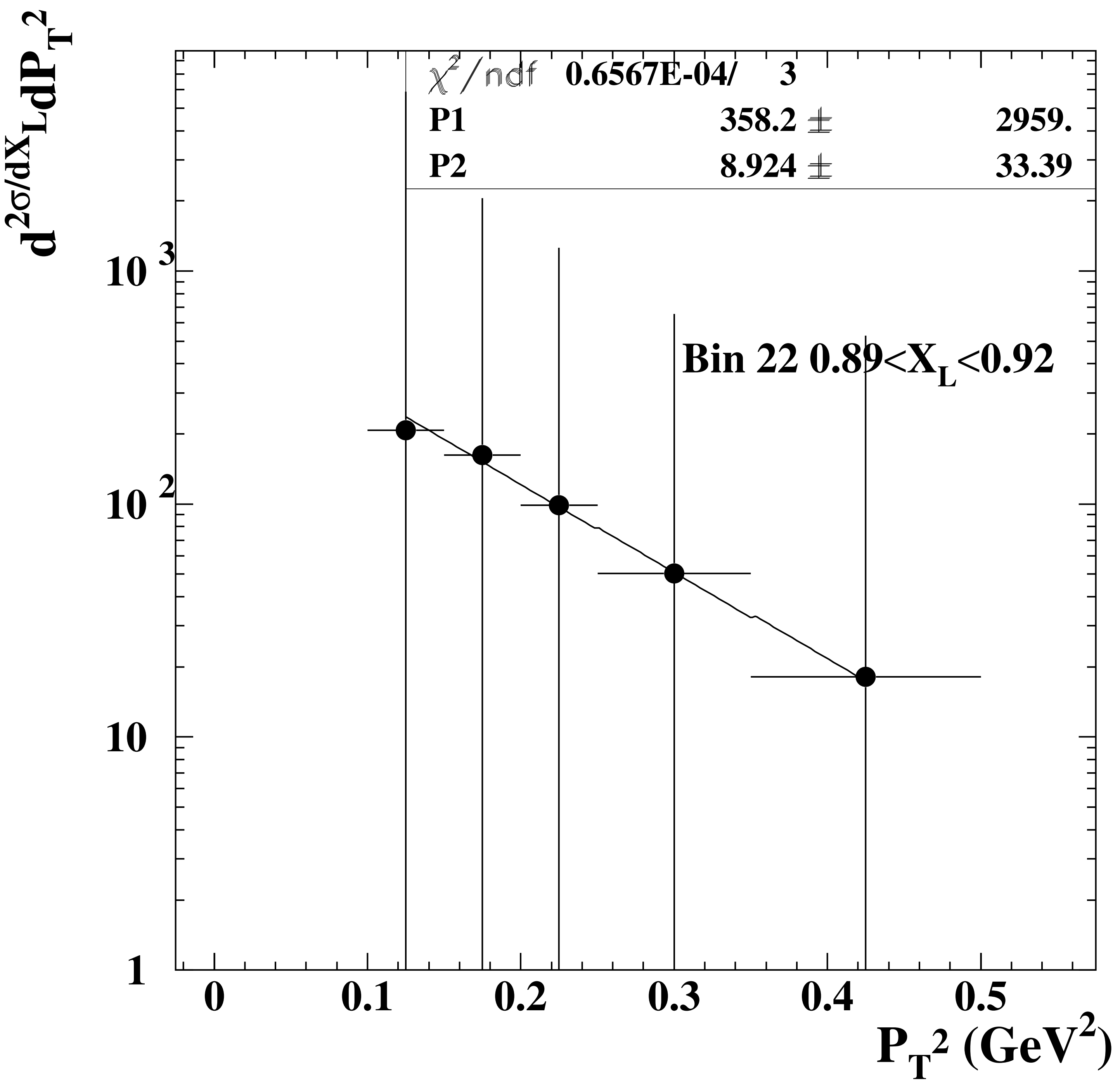
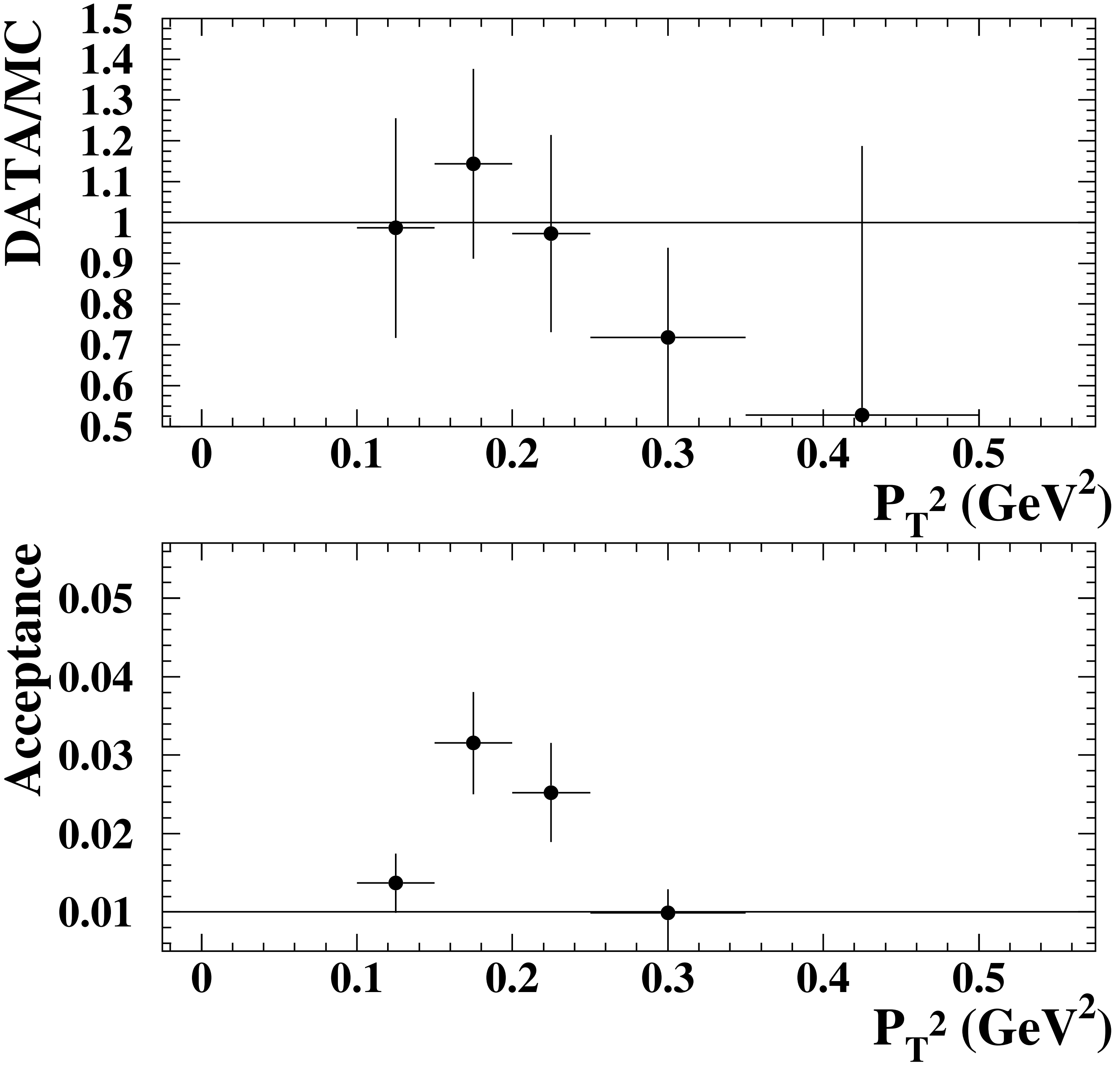


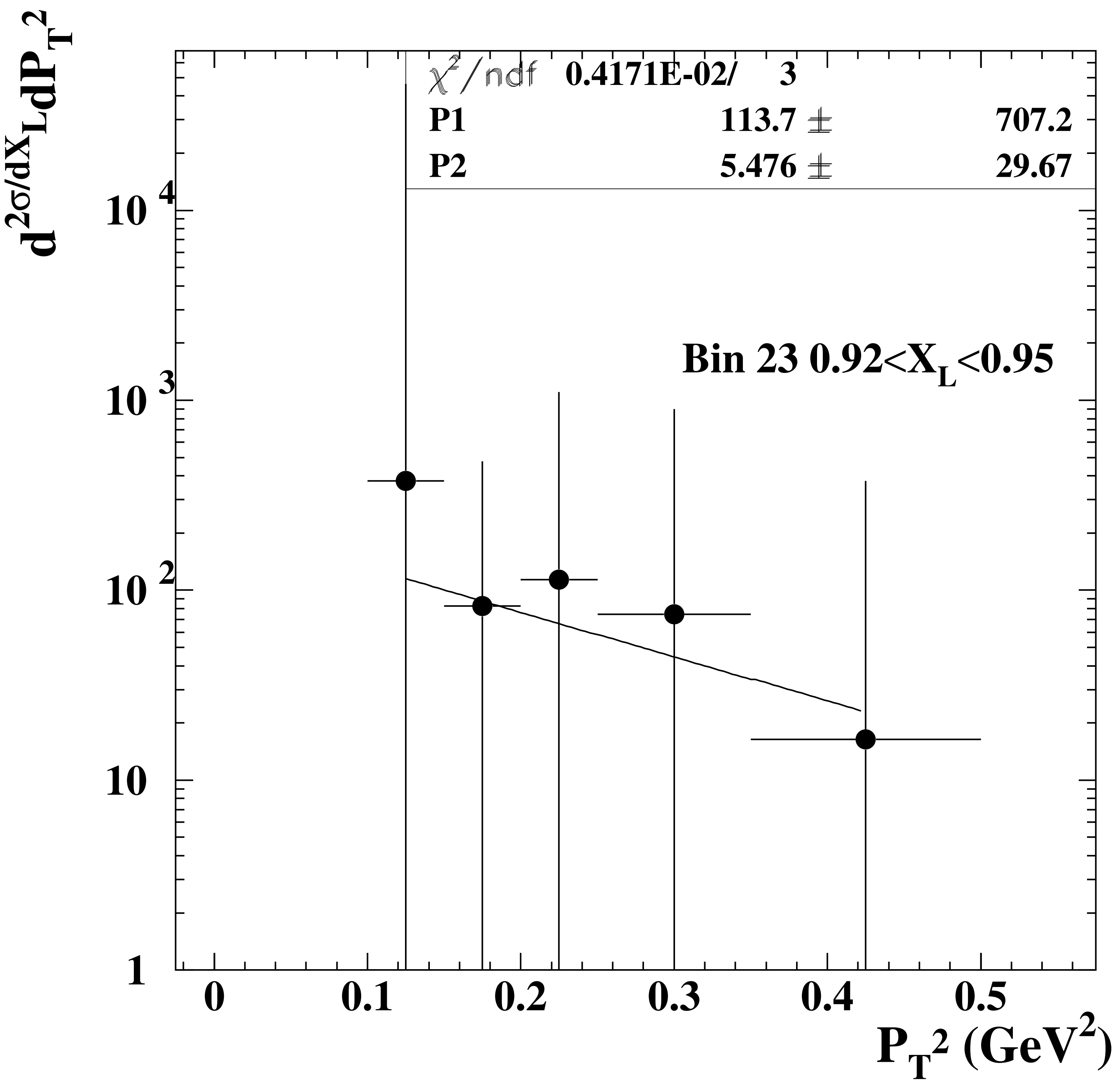


2006/10/30 13.46




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
0.05
0.04
0.03
0.02
0.01
0
0.1
0.2
0.3
0.4
0.5
P_T^2 (GeV^2)

2006/10/30   13.46



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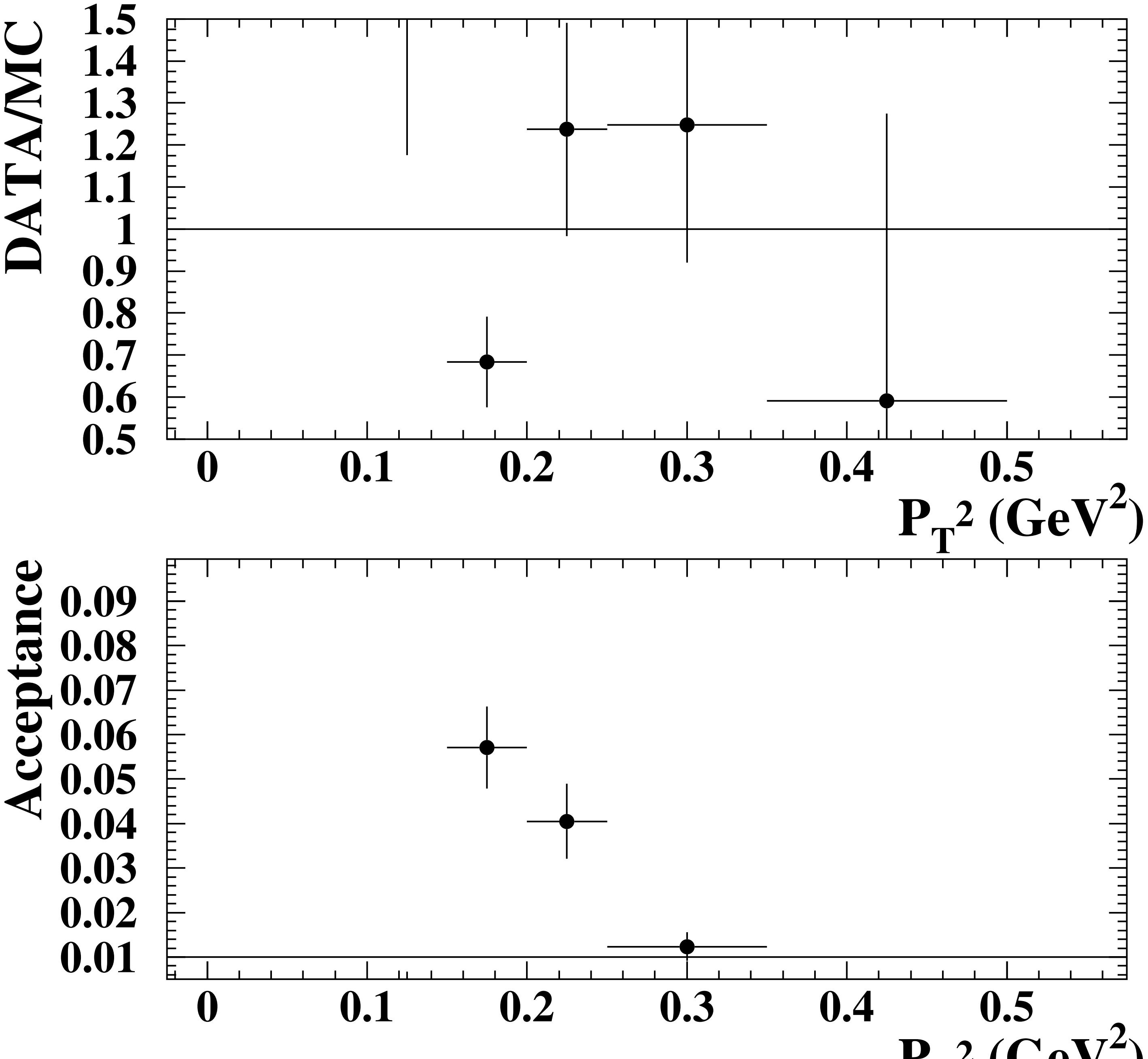

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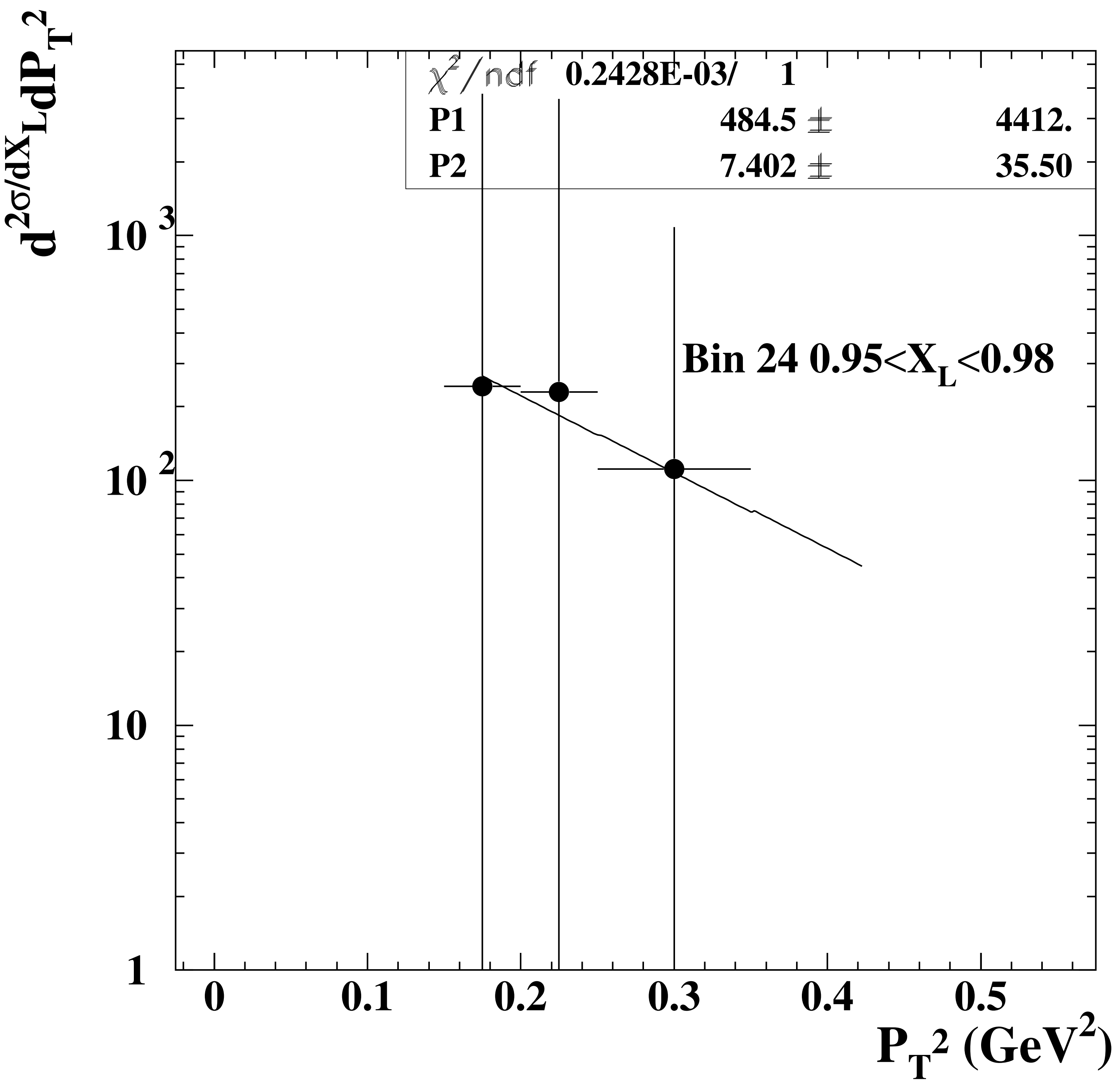

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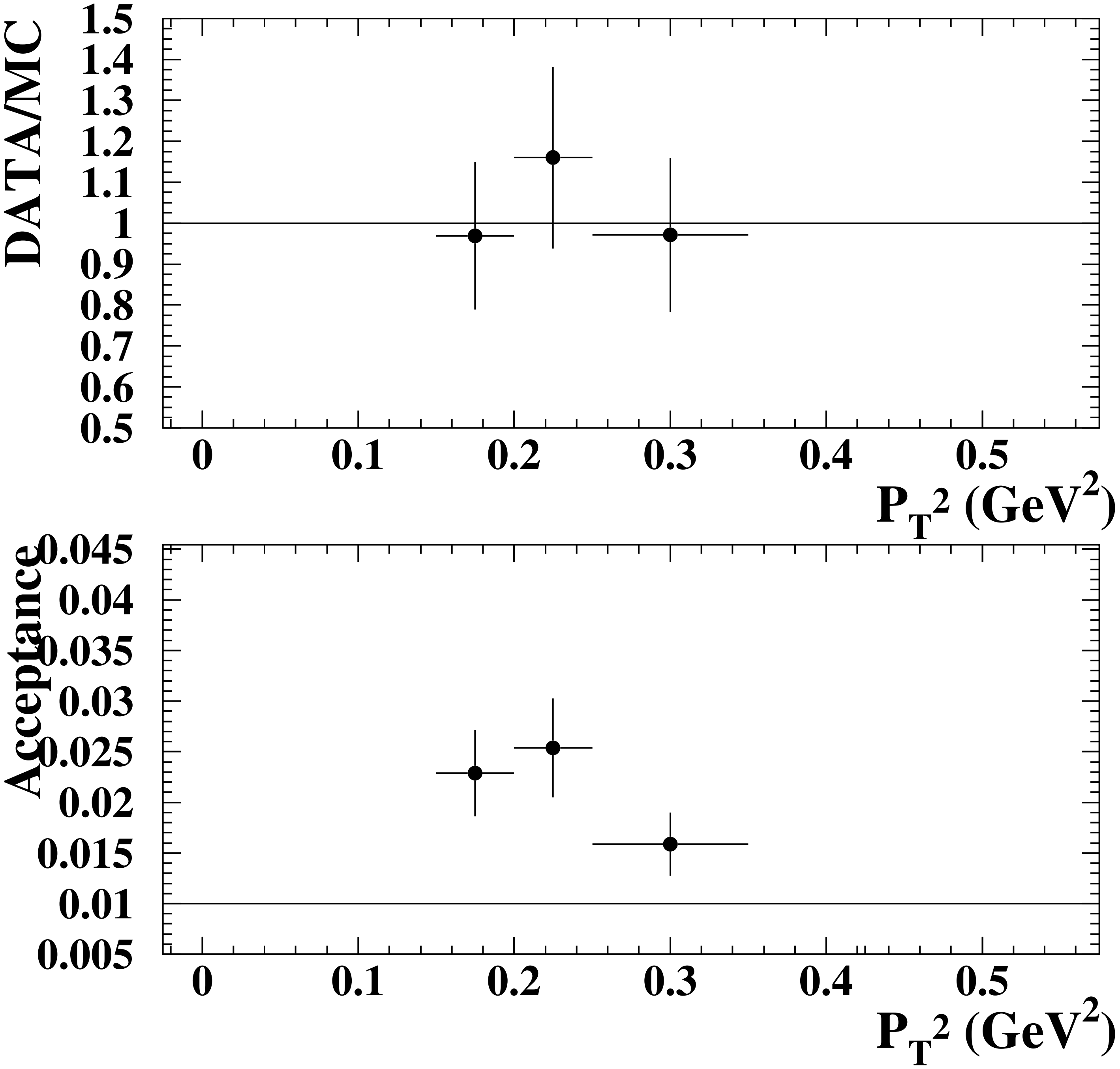

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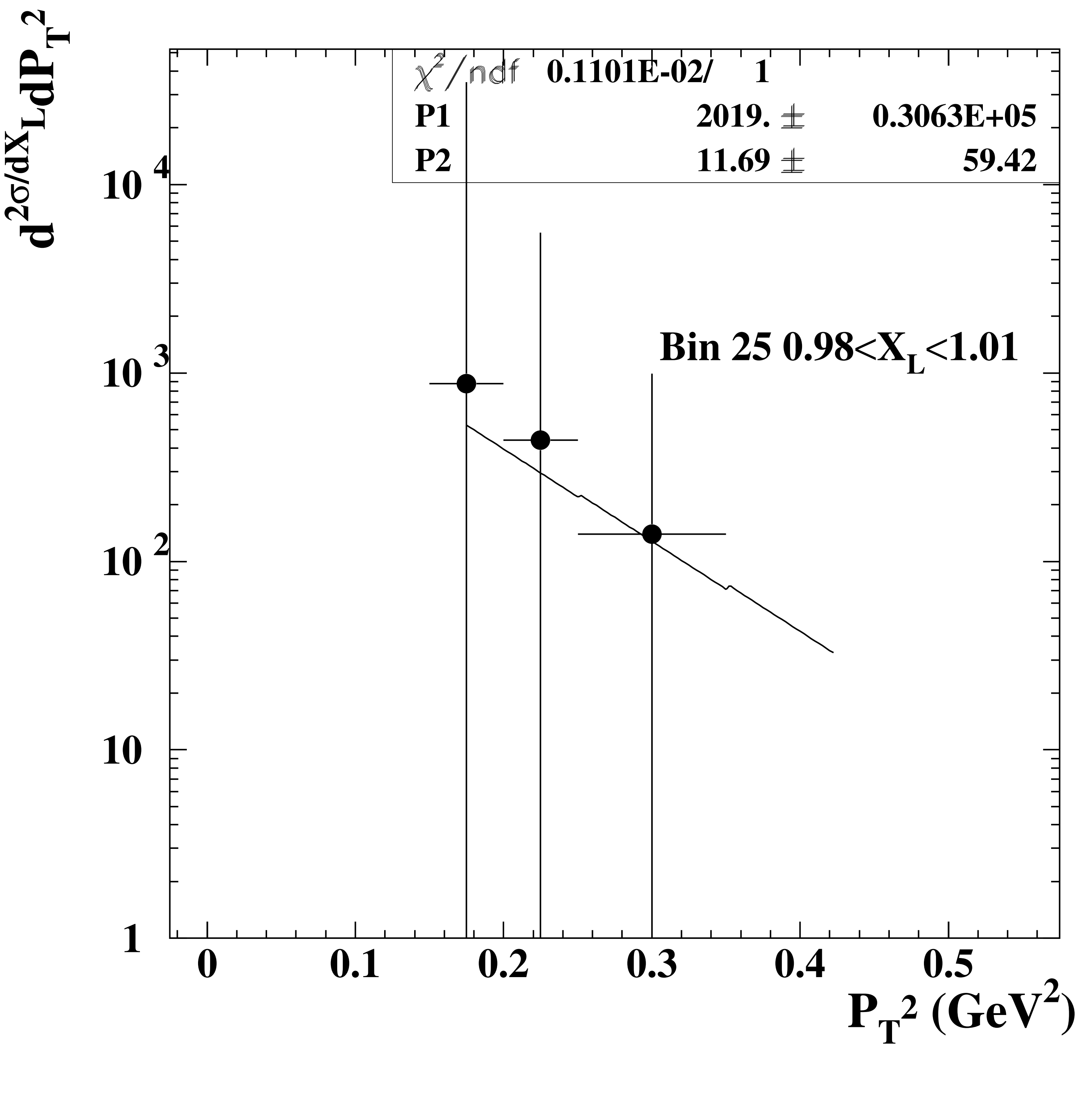

2006/10/30 13.46