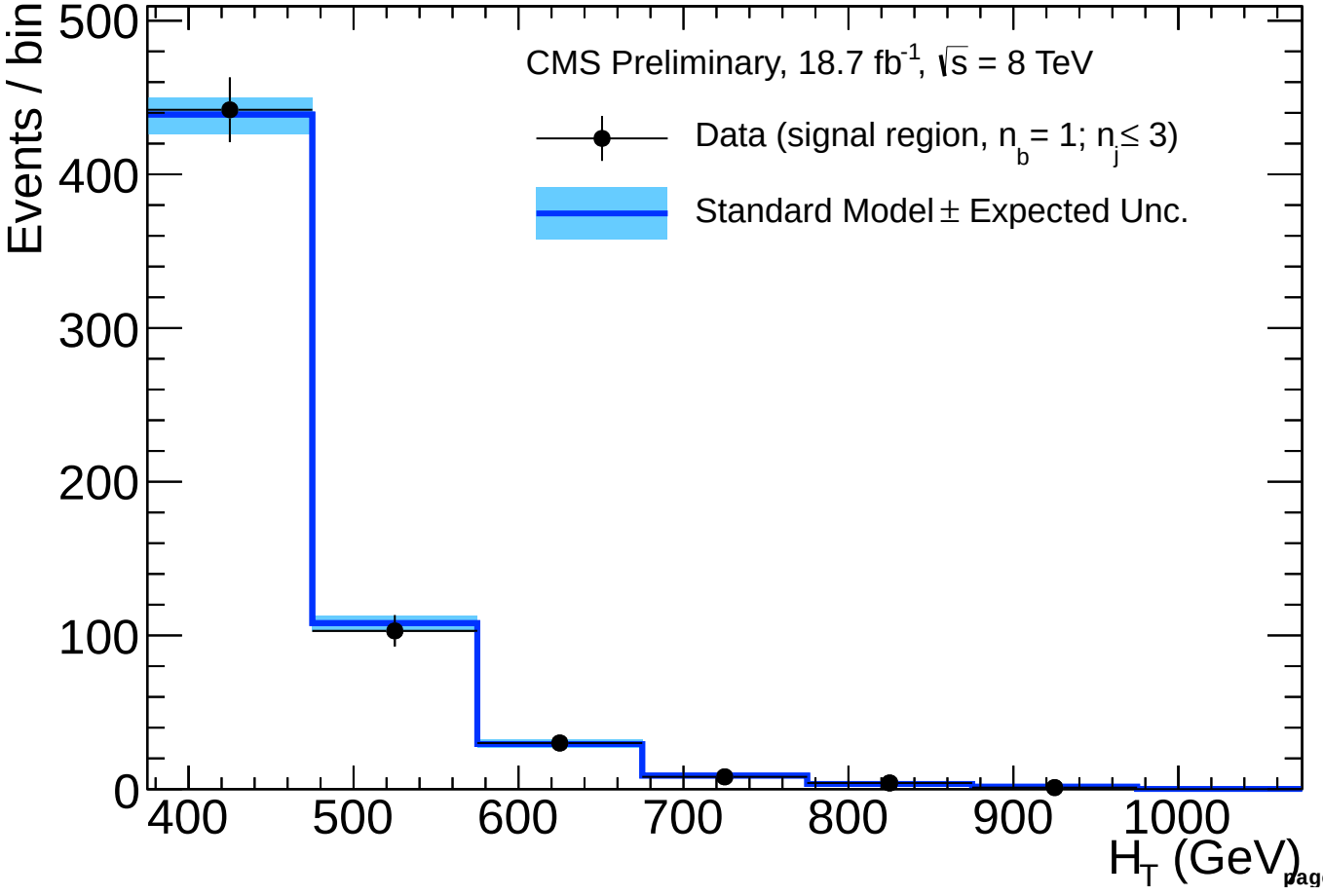
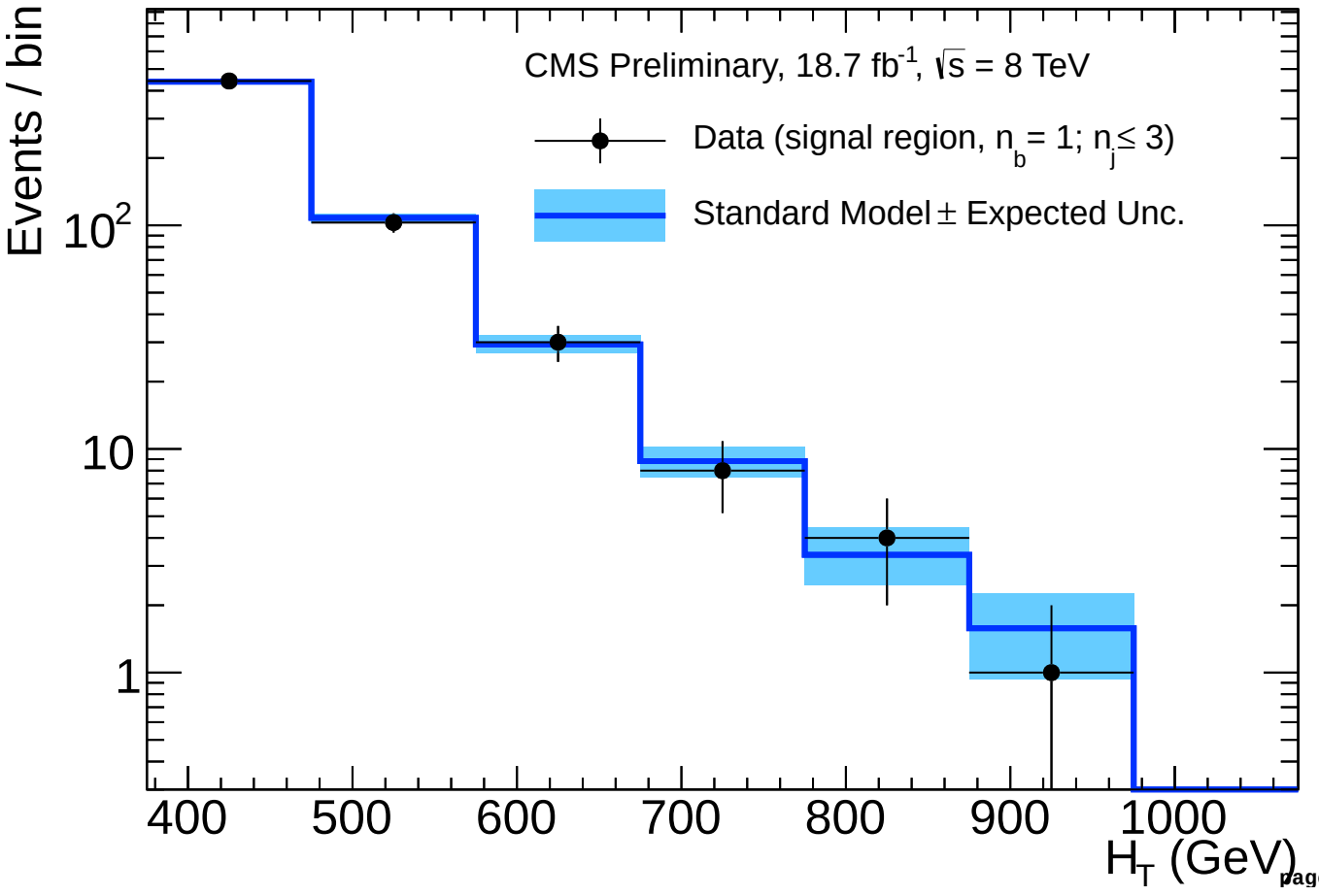
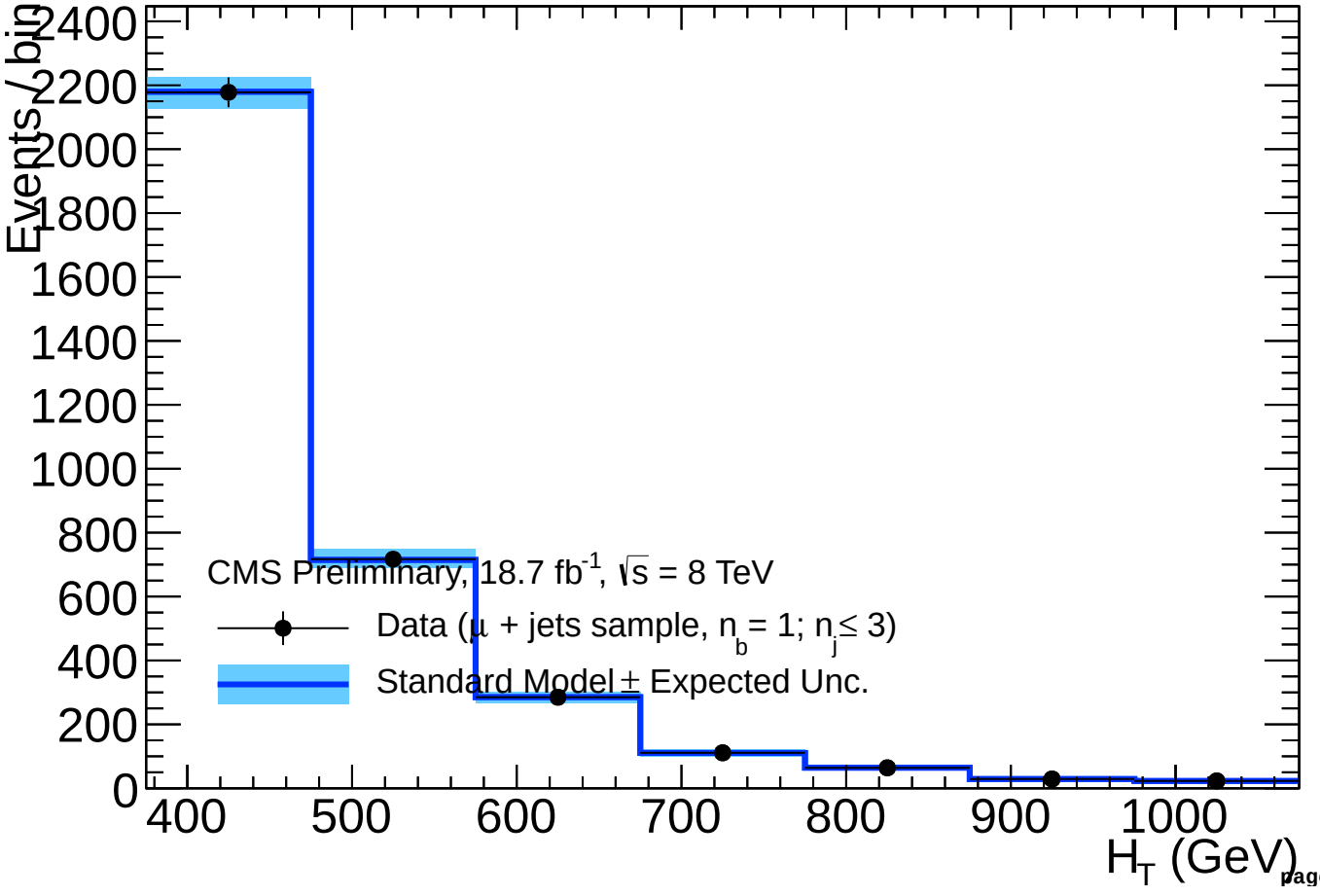
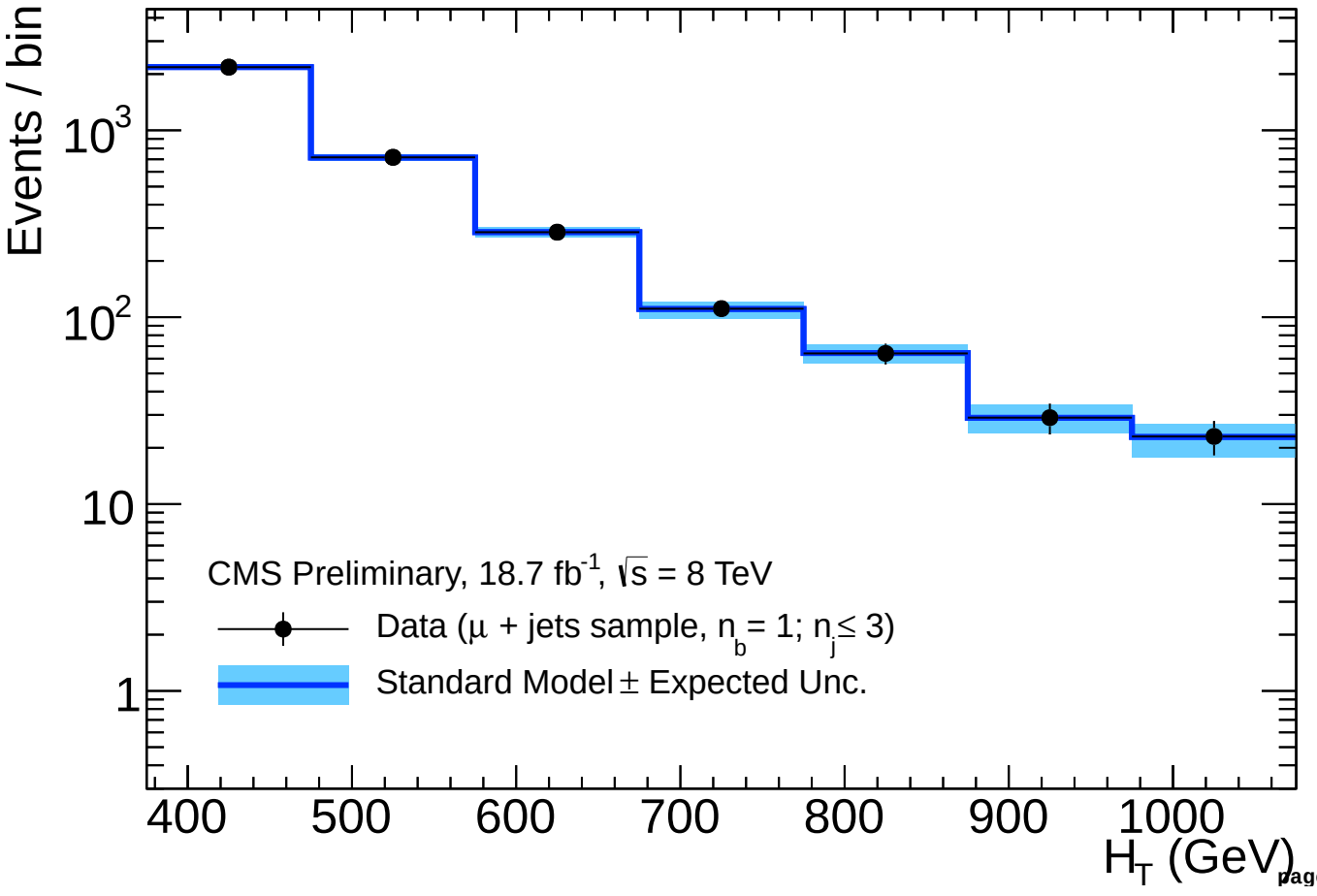
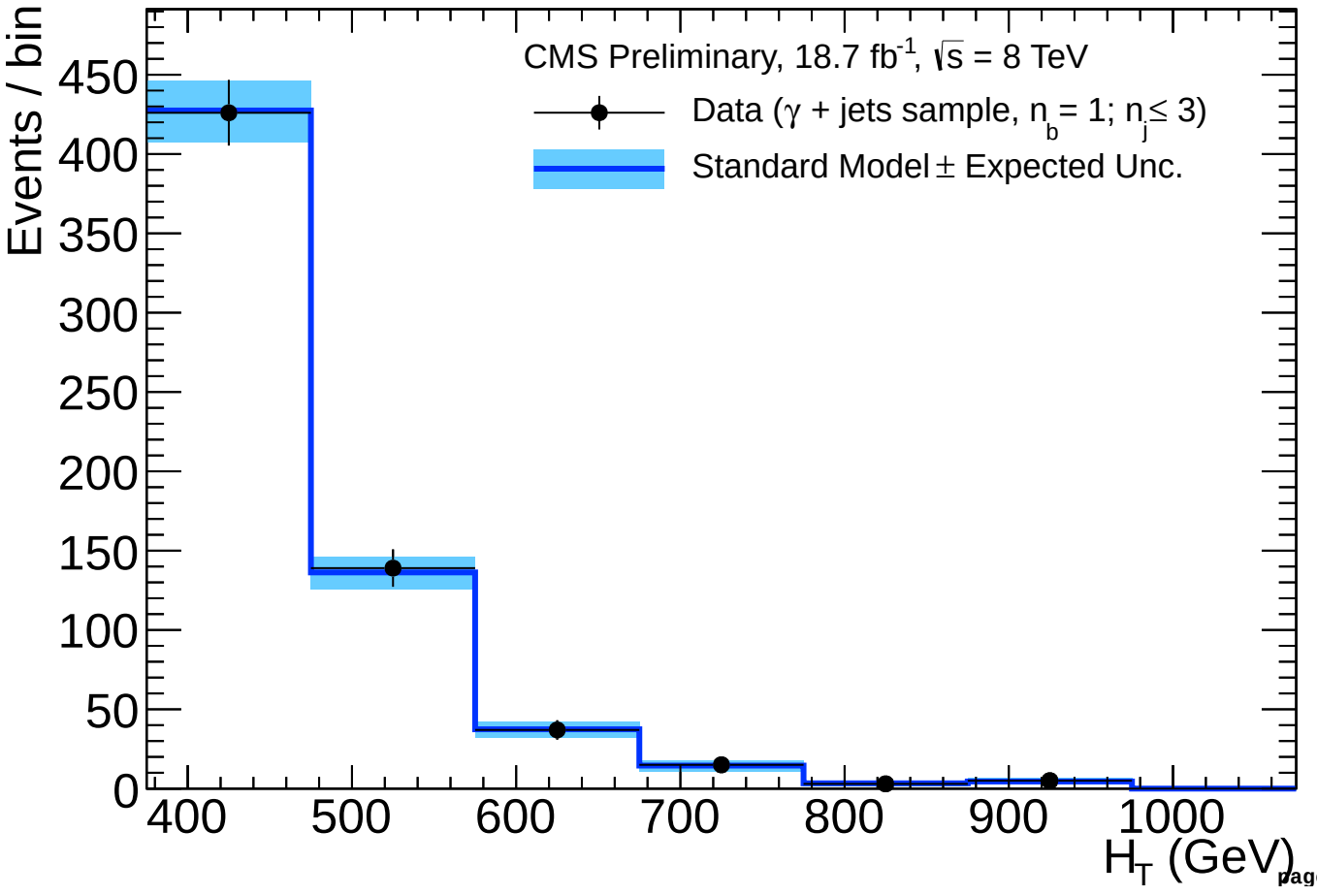
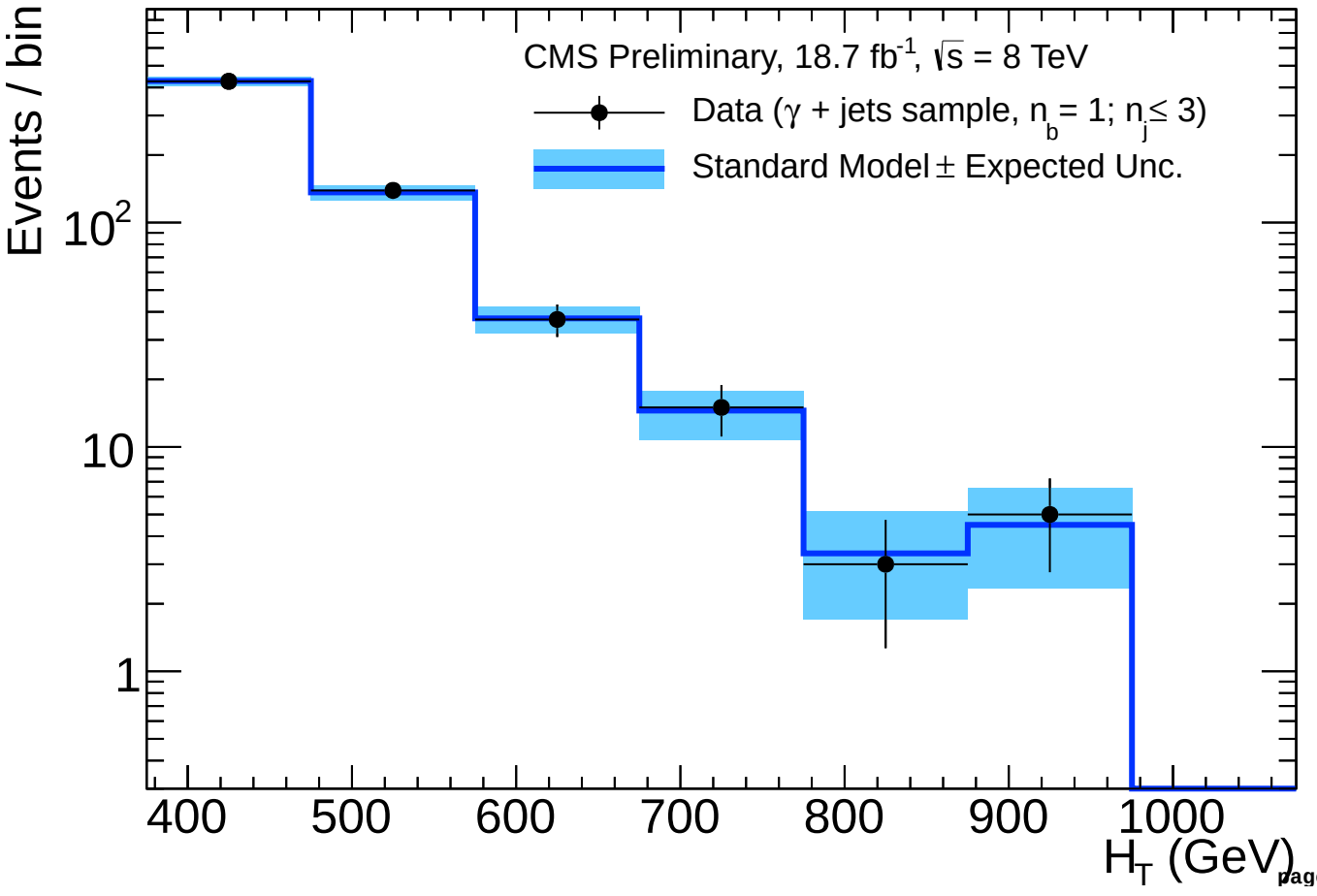

CMS Preliminary, 18.7 fb-1, √s = 8 TeV
Data (signal region, nb = 1; nj ≤ 3)
Standard Model ± Expected Unc.
Events / bin
0
100
200
300
400
500
400
500
600
700
800
900
1000
HT (GeV)


CMS Preliminary, 18.7 fb-1, √s = 8 TeV
Data (signal region, nb = 1; nj ≤ 3)
Standard Model ± Expected Unc.
Events / bin
10²
10
1
400
500
600
700
800
900
1000
HT (GeV)

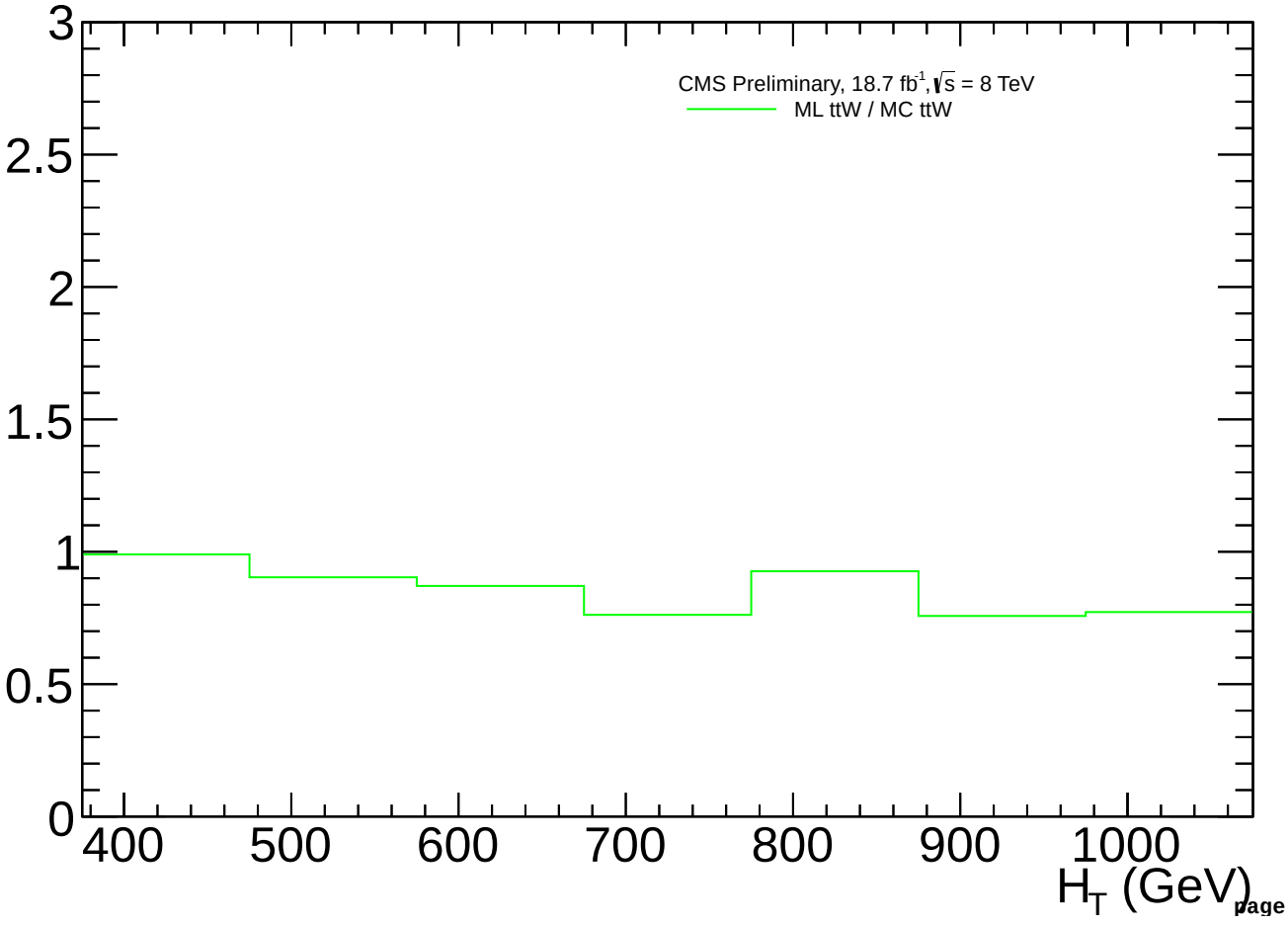

Events / bin
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
400
500
600
700
800
900
1000
H_T (GeV)
CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (μ + jets sample, n_b = 1; $n_j \leq$ 3)
Standard Model ± Expected Unc.


Events / bin
10^3
10^2
10
1
CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (μ + jets sample, n_b = 1; $n_j \leq$ 3)
Standard Model ± Expected Unc.
400
500
600
700
800
900
1000
H_T (GeV)

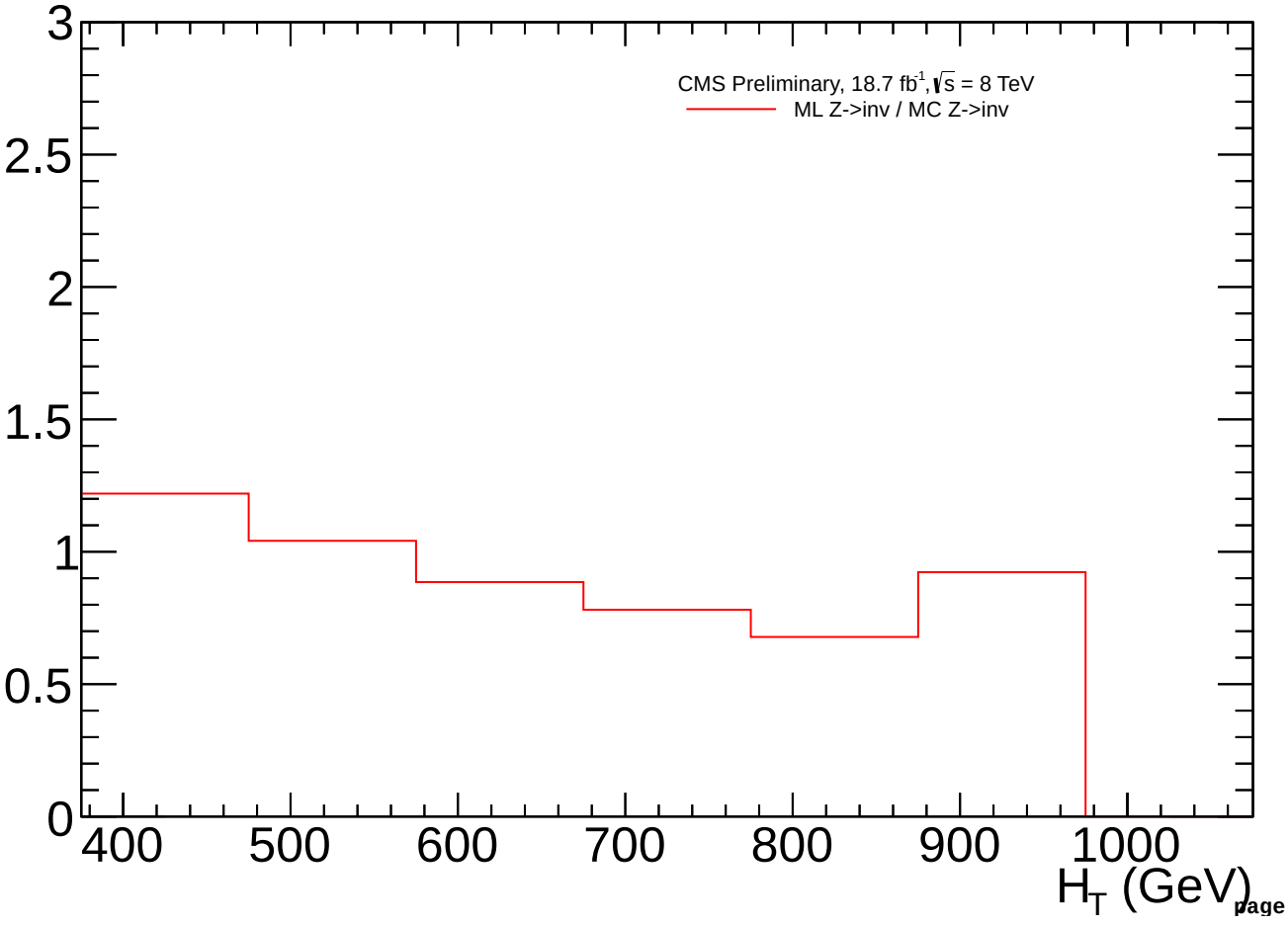

CMS Preliminary, 18.7 fb-1, √s = 8 TeV
Data (γ + jets sample, nb = 1; nj ≤ 3)
Standard Model ± Expected Unc.
Events / bin
0
50
100
150
200
250
300
350
400
450
400
500
600
700
800
900
1000
HT (GeV)


CMS Preliminary, 18.7 fb-1, √s = 8 TeV
Data (γ + jets sample, nb = 1; nj ≤ 3)
Standard Model ± Expected Unc.
Events / bin
10²
10
1
400
500
600
700
800
900
1000
HT (GeV)

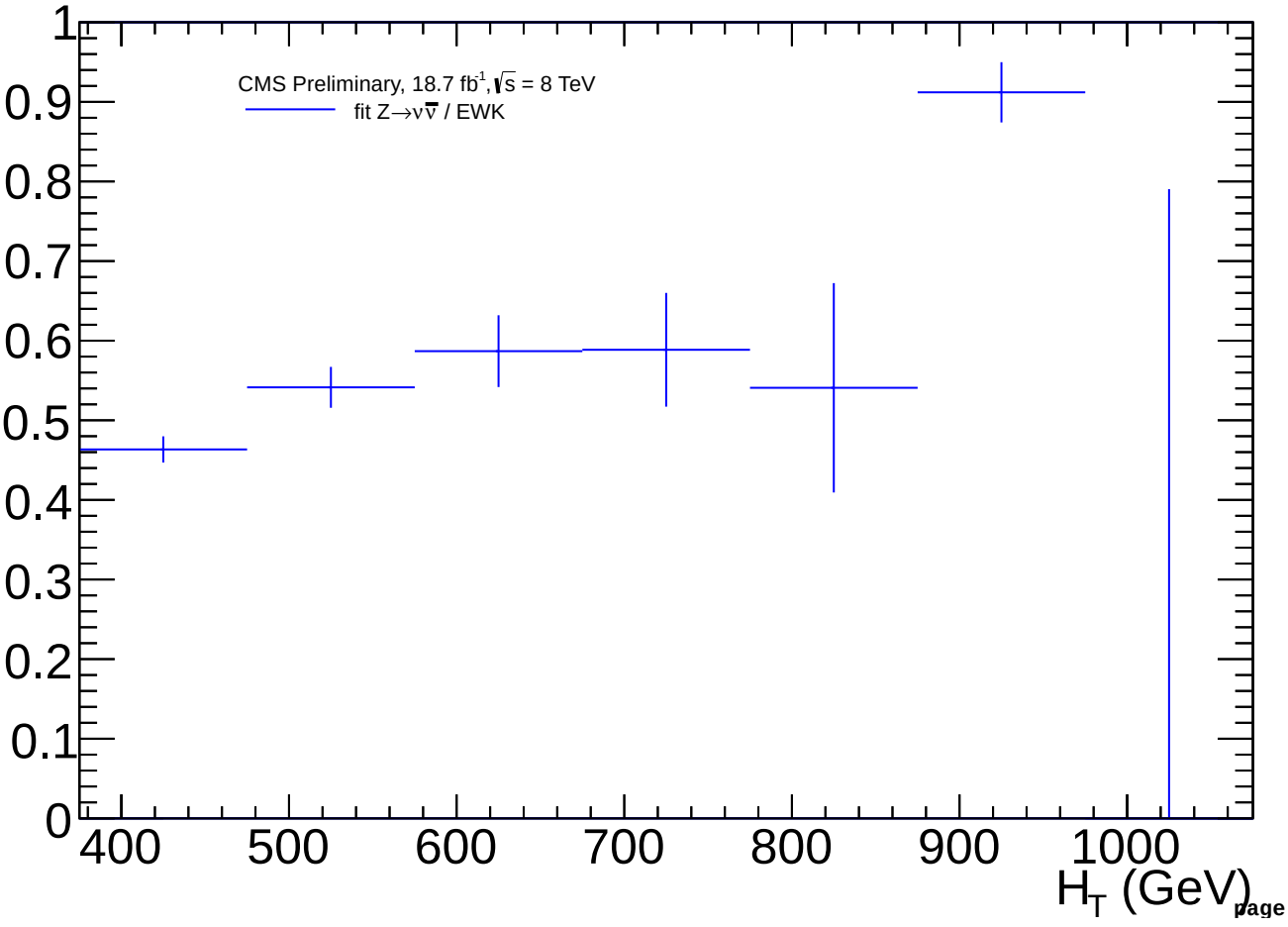
ttW scale factor (result of fit)

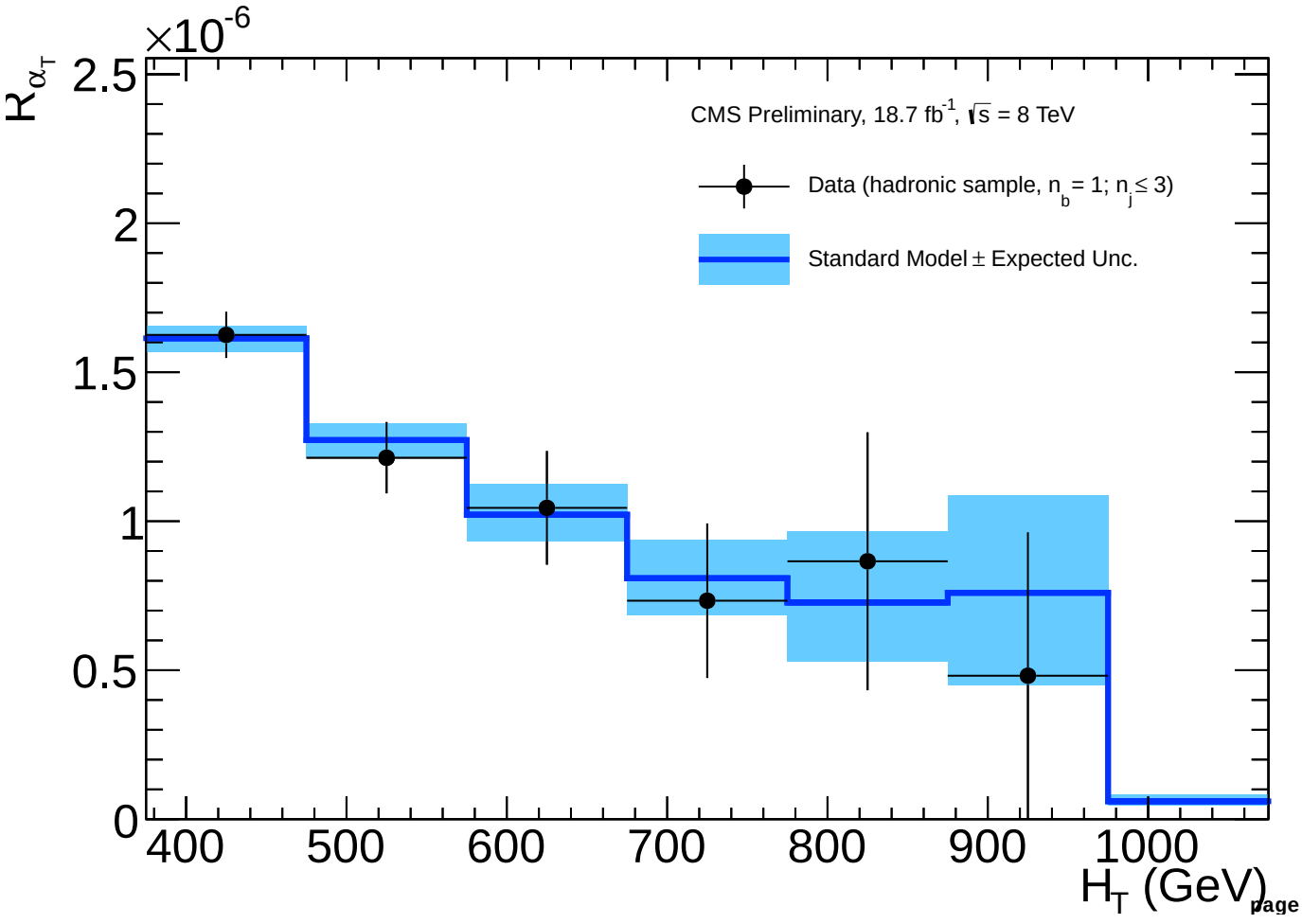


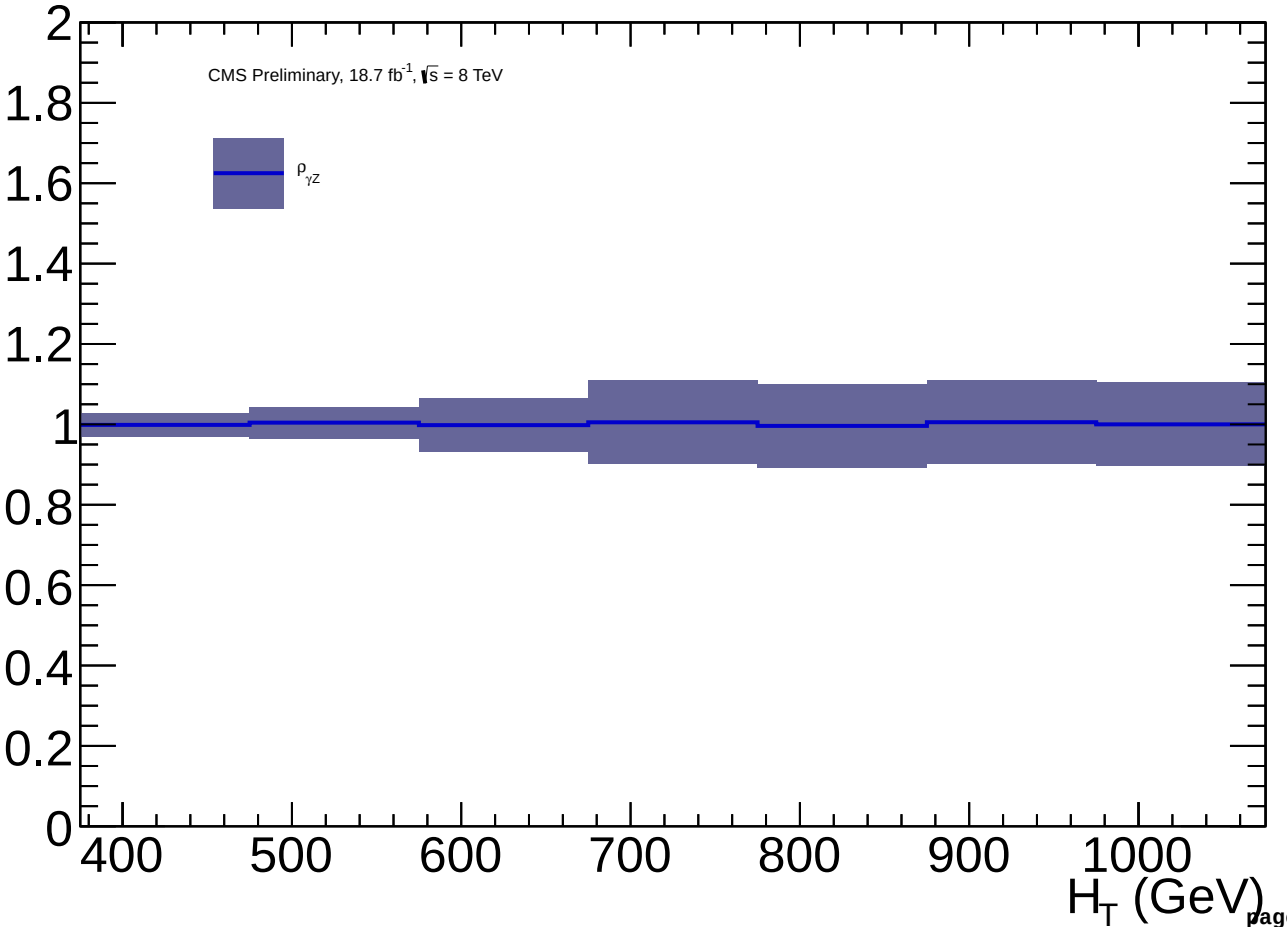
Zinv scale factor (result of fit)

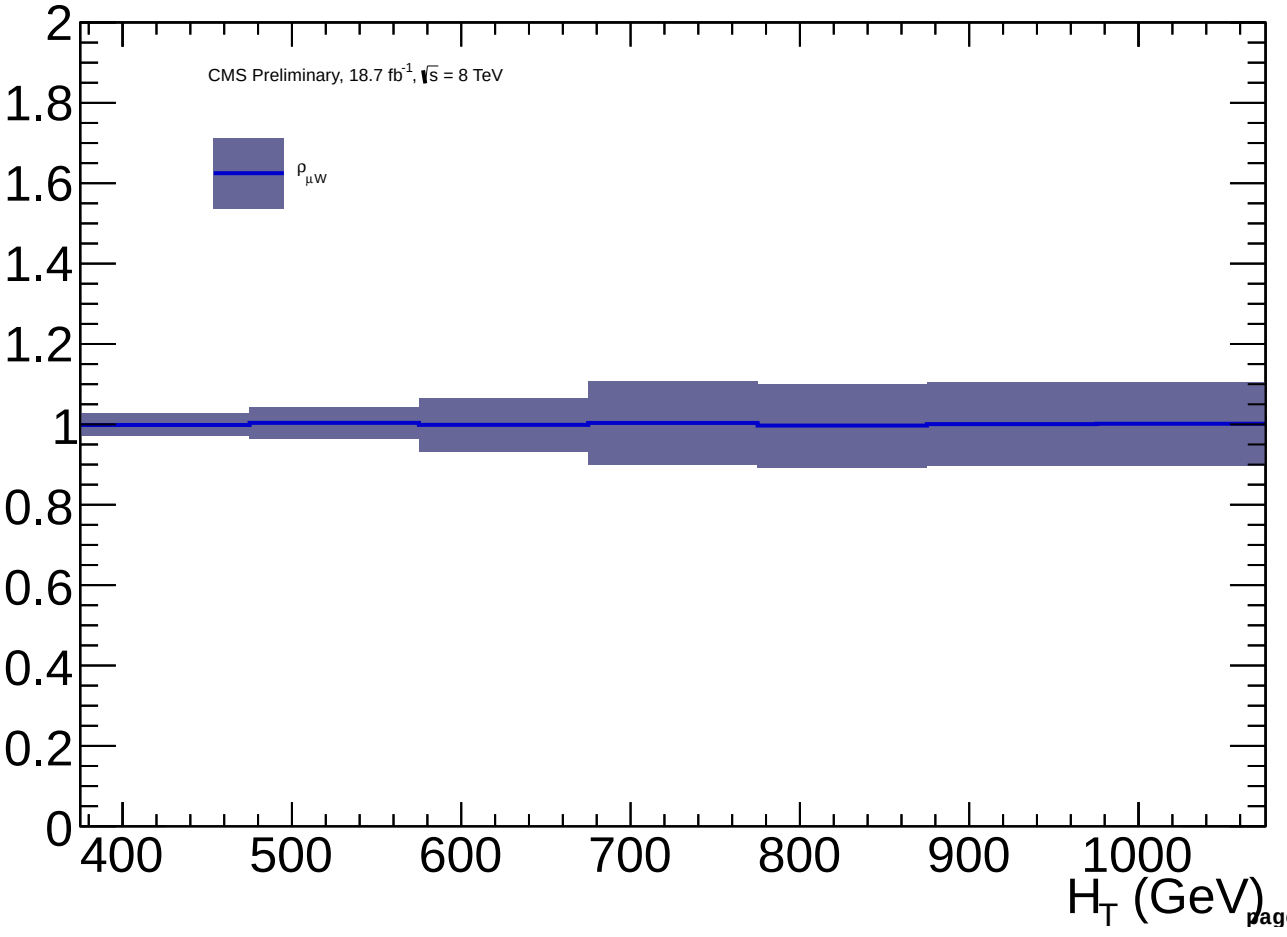


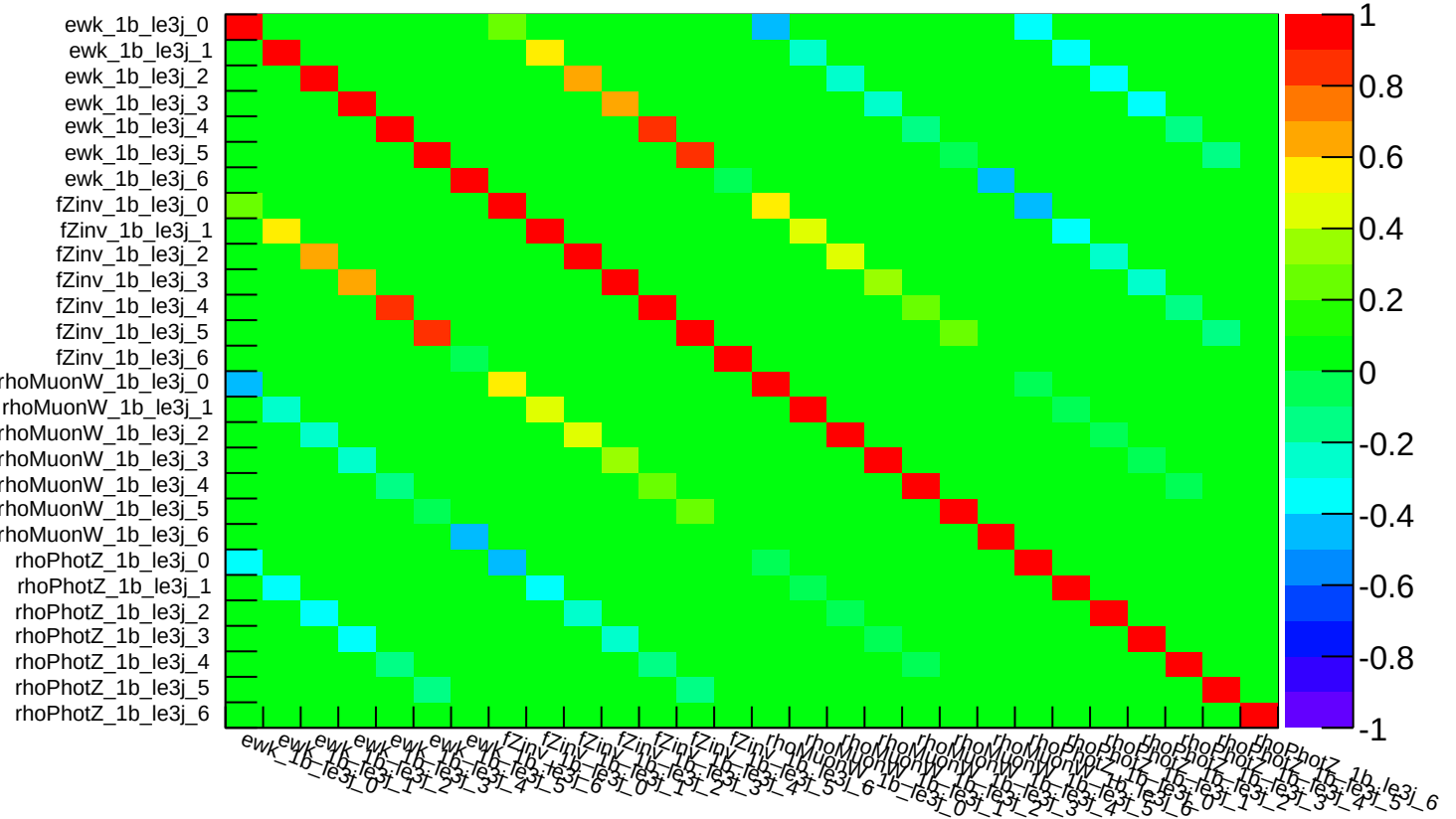
fraction of EWK background which is Zinv (result of fit)




$\times 10^{-6}$
R_{α_T}
2.5
2
1.5
1
0.5
0
CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (hadronic sample, n_b = 1; $n_j \leq$ 3)
Standard Model ± Expected Unc.
400
500
600
700
800
900
1000
H_T (GeV)


CMS Preliminary, 18.7 fb-1, √s = 8 TeV
ργZ
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
400
500
600
700
800
900
1000
HT (GeV)


CMS Preliminary, 18.7 fb-1, √s = 8 TeV
ρμw
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
400
500
600
700
800
900
1000
HT (GeV)

par name:	value	+/- error	[min - max]
ewk_1b_le3j_0:	4.39e+02	+/- 1.2e+01	[0.0e+00 - 4.4e+03]
fZinv_1b_le3j_0:	4.63e-01	+/- 1.6e-02	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_1:	1.08e+02	+/- 5.3e+00	[0.0e+00 - 1.0e+03]
fZinv_1b_le3j_1:	5.41e-01	+/- 2.6e-02	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_2:	2.93e+01	+/- 2.8e+00	[0.0e+00 - 3.0e+02]
fZinv_1b_le3j_2:	5.87e-01	+/- 4.5e-02	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_3:	8.82e+00	+/- 1.4e+00	[0.0e+00 - 8.0e+01]
fZinv_1b_le3j_3:	5.89e-01	+/- 7.1e-02	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_4:	3.36e+00	+/- 9.2e-01	[0.0e+00 - 4.0e+01]
fZinv_1b_le3j_4:	5.41e-01	+/- 1.3e-01	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_5:	1.58e+00	+/- 6.0e-01	[0.0e+00 - 1.0e+01]
fZinv_1b_le3j_5:	9.12e-01	+/- 3.8e-02	[0.0e+00 - 1.0e+00]
ewk_1b_le3j_6:	1.35e-01	+/- 3.1e-02	[0.0e+00 - 1.0e+01]
fZinv_1b_le3j_6:	1.37e-06	+/- 7.9e-01	[0.0e+00 - 1.0e+00]
rhoPhotZ_1b_le3j_0:	9.99e-01	+/- 2.9e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_1:	1.00e+00	+/- 3.9e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_2:	9.98e-01	+/- 6.6e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_3:	1.01e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_4:	9.96e-01	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_5:	1.01e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_1b_le3j_6:	1.00e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_0:	9.98e-01	+/- 2.8e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_1:	1.00e+00	+/- 3.9e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_2:	9.99e-01	+/- 6.7e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_3:	1.00e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_4:	9.97e-01	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_5:	1.00e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_1b_le3j_6:	1.00e+00	+/- 1.0e-01	[0.0e+00 - 3.0e+00]

correlation_matrix