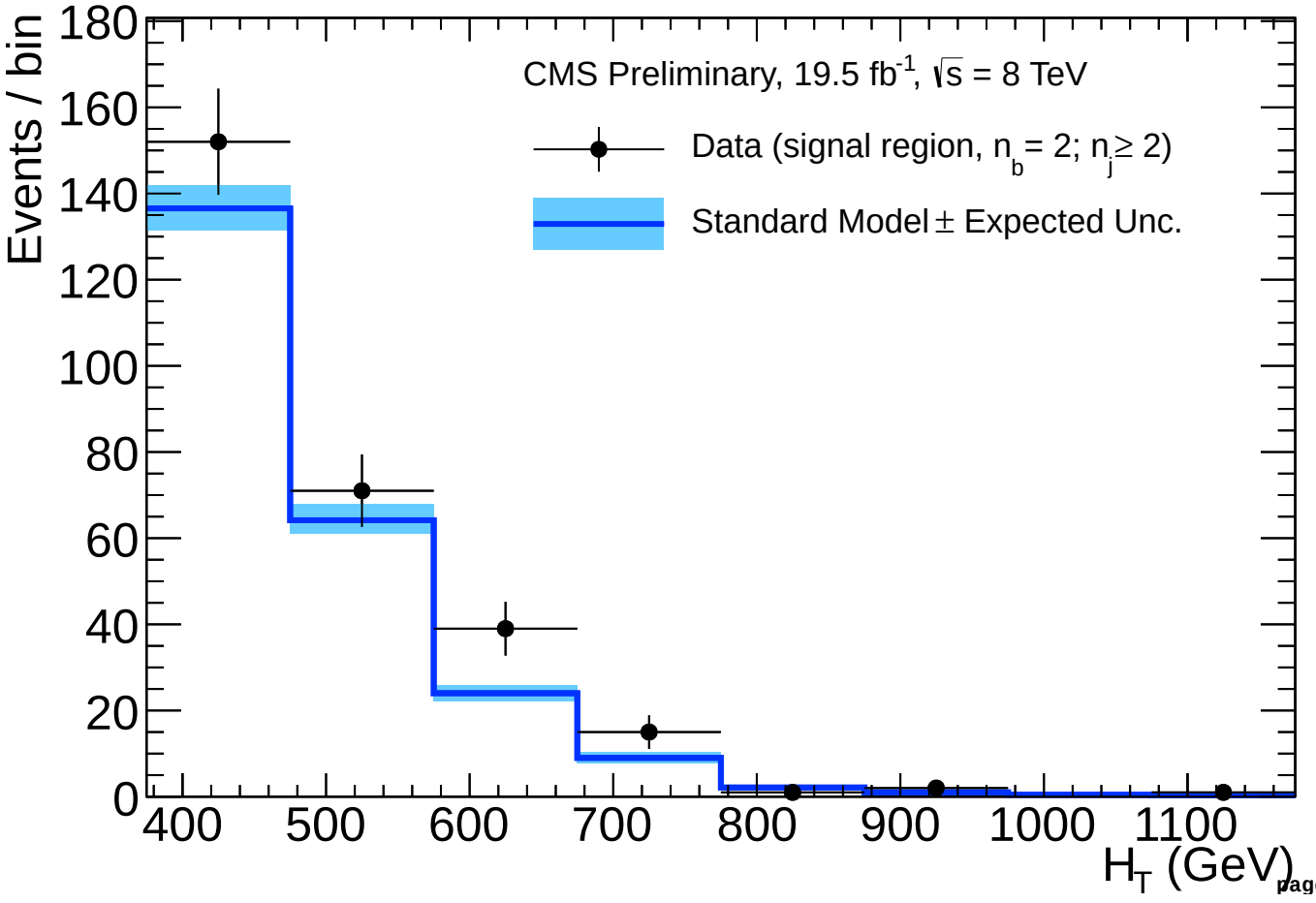
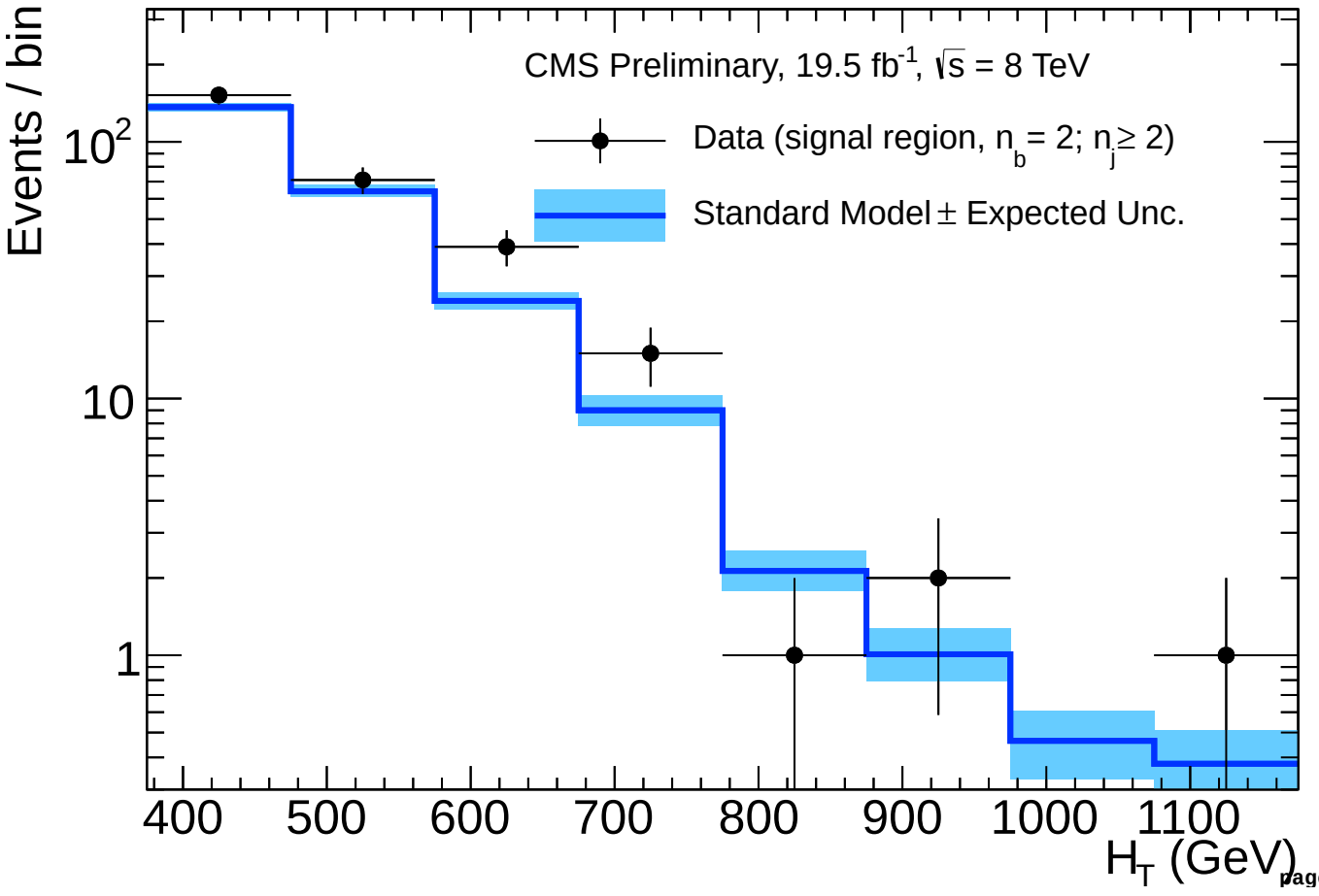
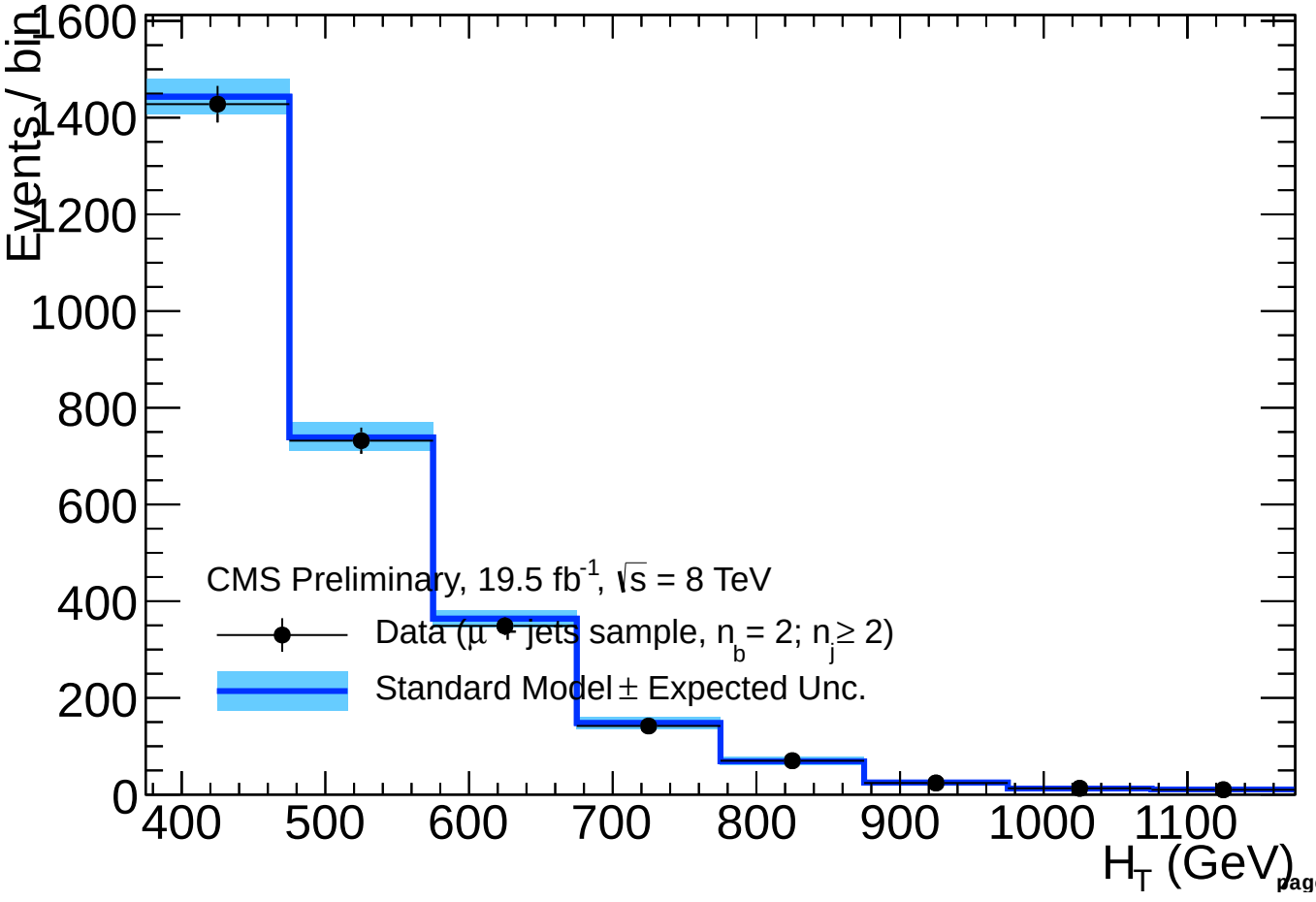
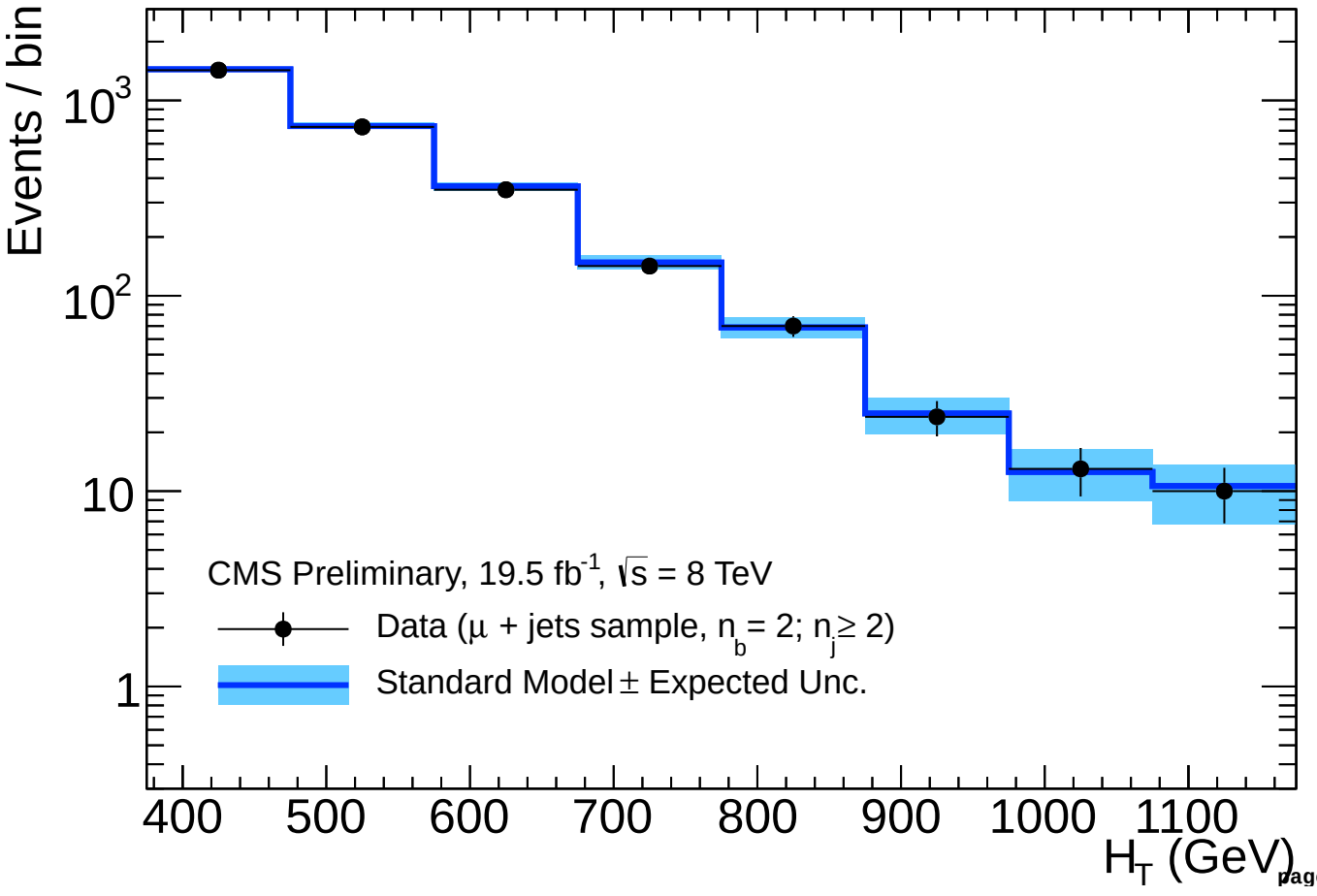
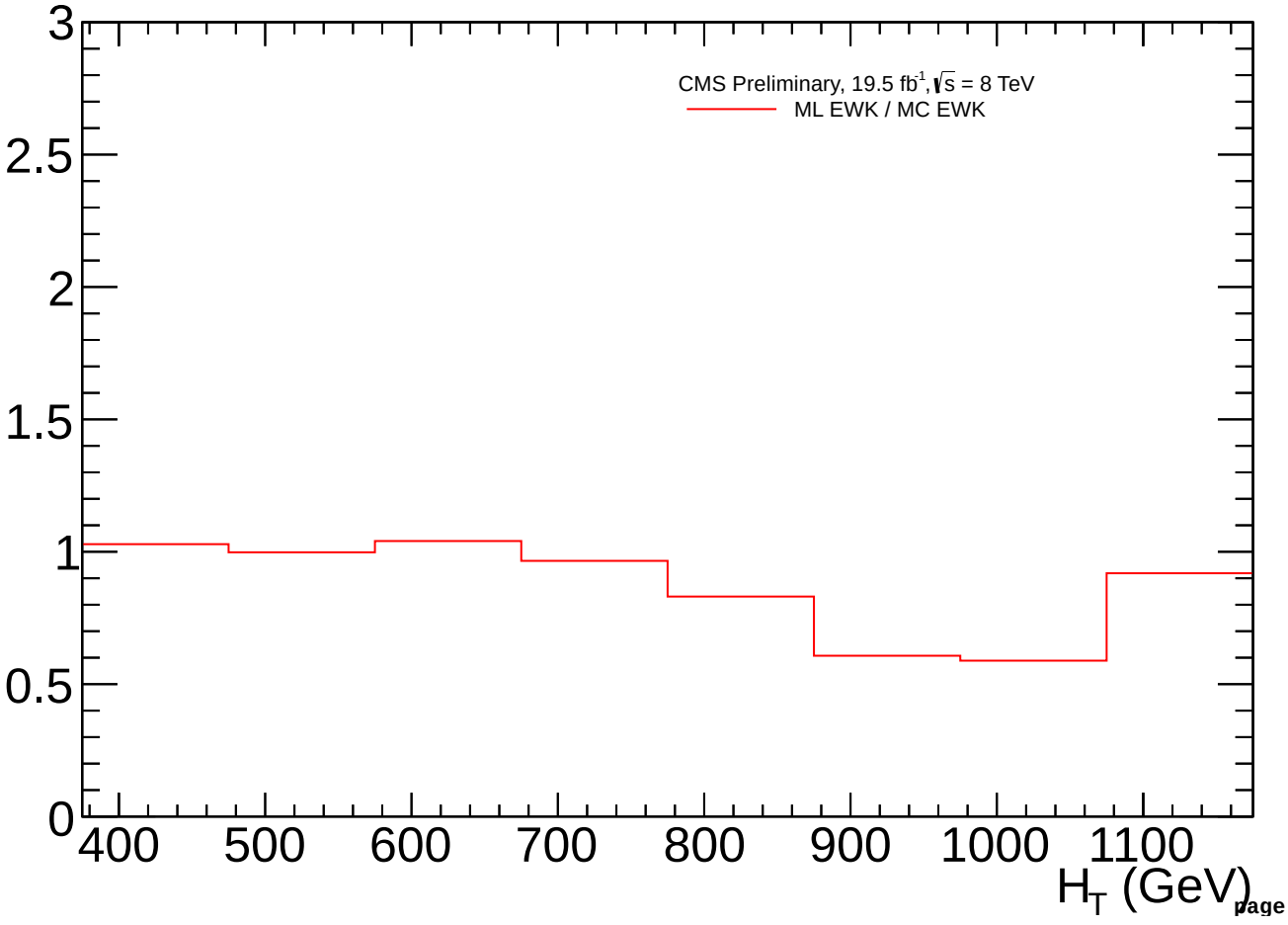

CMS Preliminary, 19.5 fb-1, √s = 8 TeV
Data (signal region, nb = 2; nj ≥ 2)
Standard Model ± Expected Unc.
Events / bin
HT (GeV)
0
20
40
60
80
100
120
140
160
180
400
500
600
700
800
900
1000
1100

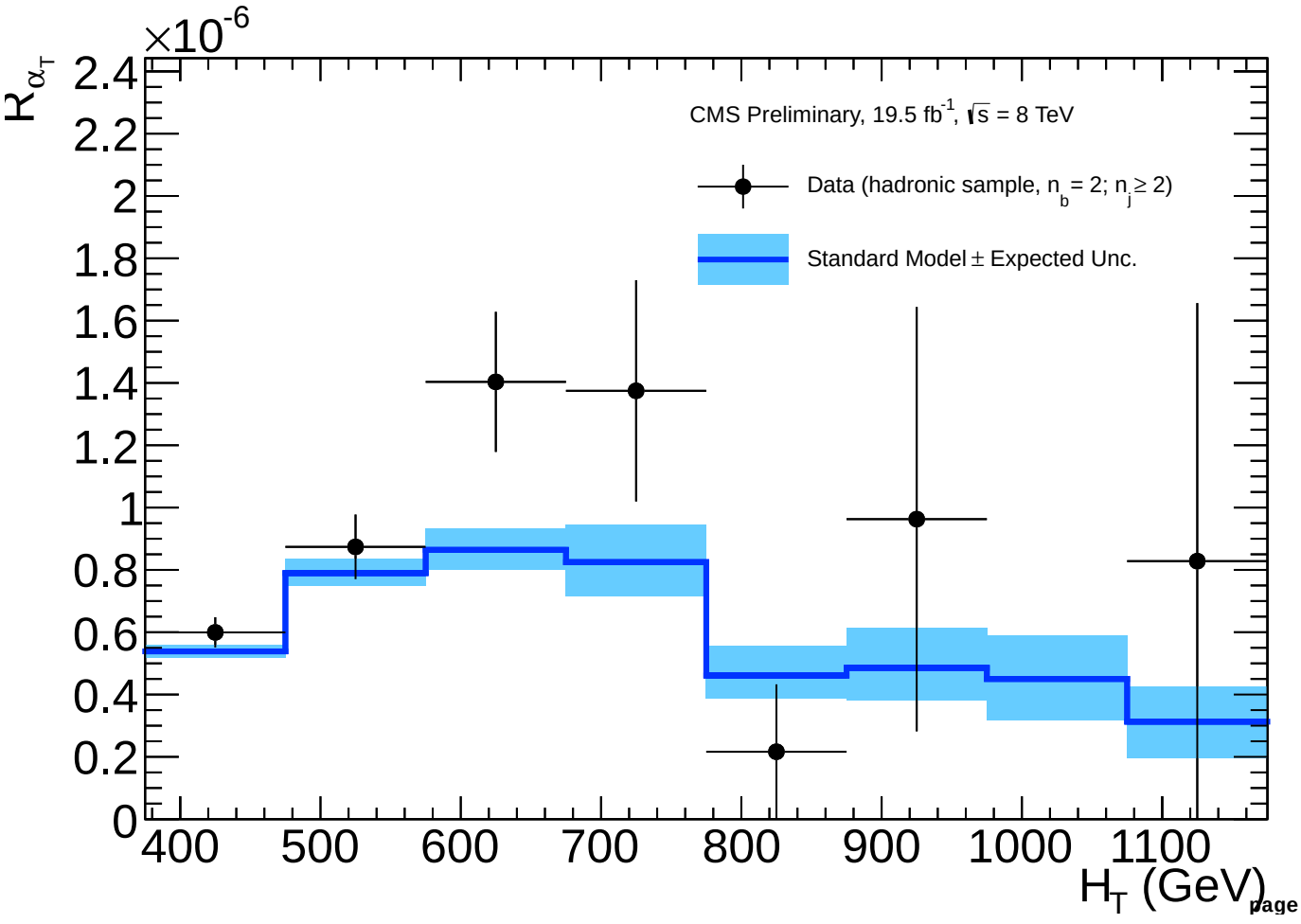

CMS Preliminary, 19.5 fb-1, √s = 8 TeV
Data (signal region, nb = 2; nj ≥ 2)
Standard Model ± Expected Unc.
Events / bin
10²
10
1
400
500
600
700
800
900
1000
1100
HT (GeV)

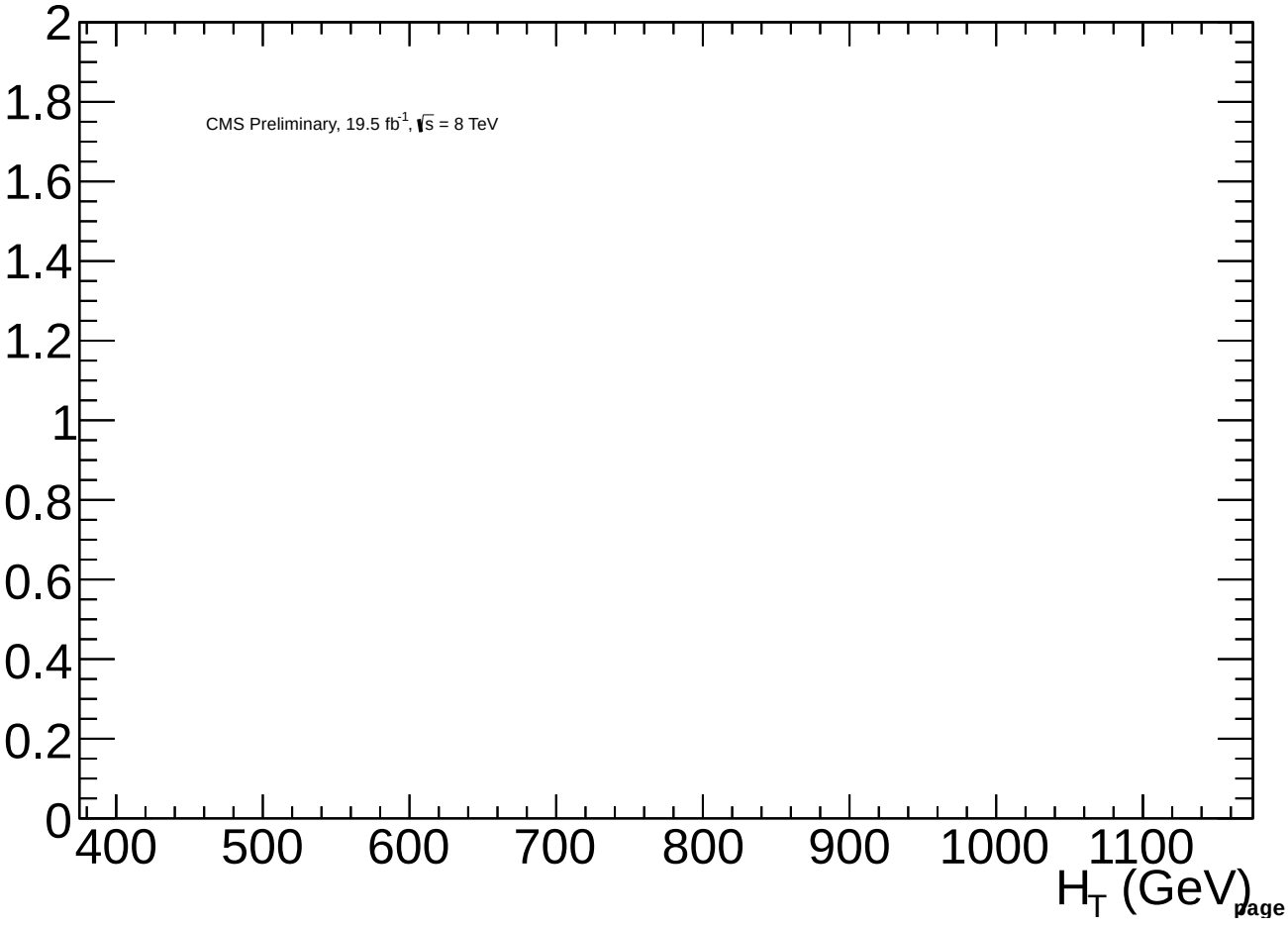

Events / bin
1600
1400
1200
1000
800
600
400
200
0
400
500
600
700
800
900
1000
1100
H_T (GeV)
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (μ + jets sample, $n_b = 2$; $n_j \geq 2$)
Standard Model $\pm$ Expected Unc.

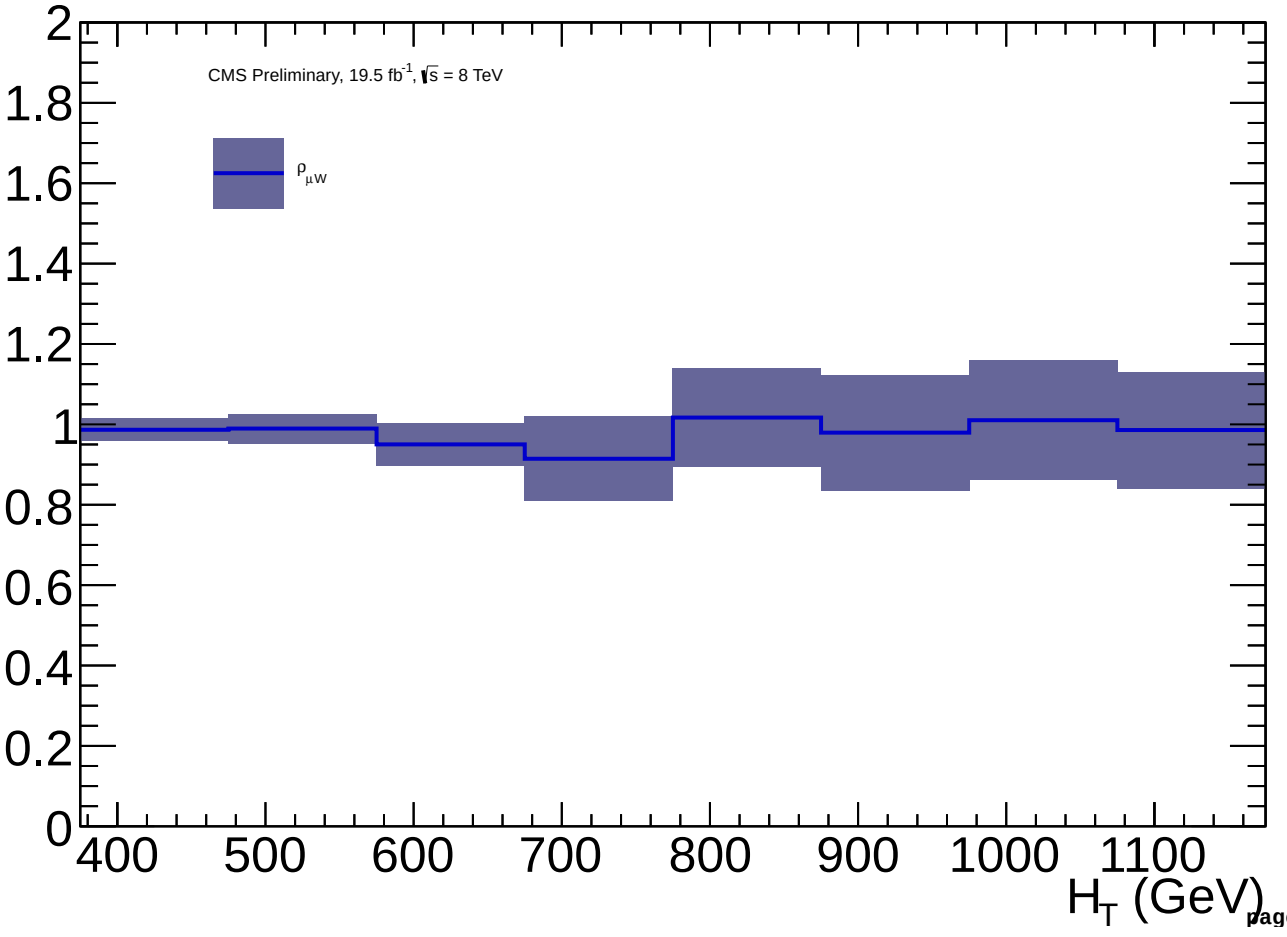

Events / bin
10^3
10^2
10
1
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (μ + jets sample, n_b = 2; $n_j \geq$ 2)
Standard Model ± Expected Unc.
400
500
600
700
800
900
1000
1100
H_T (GeV)

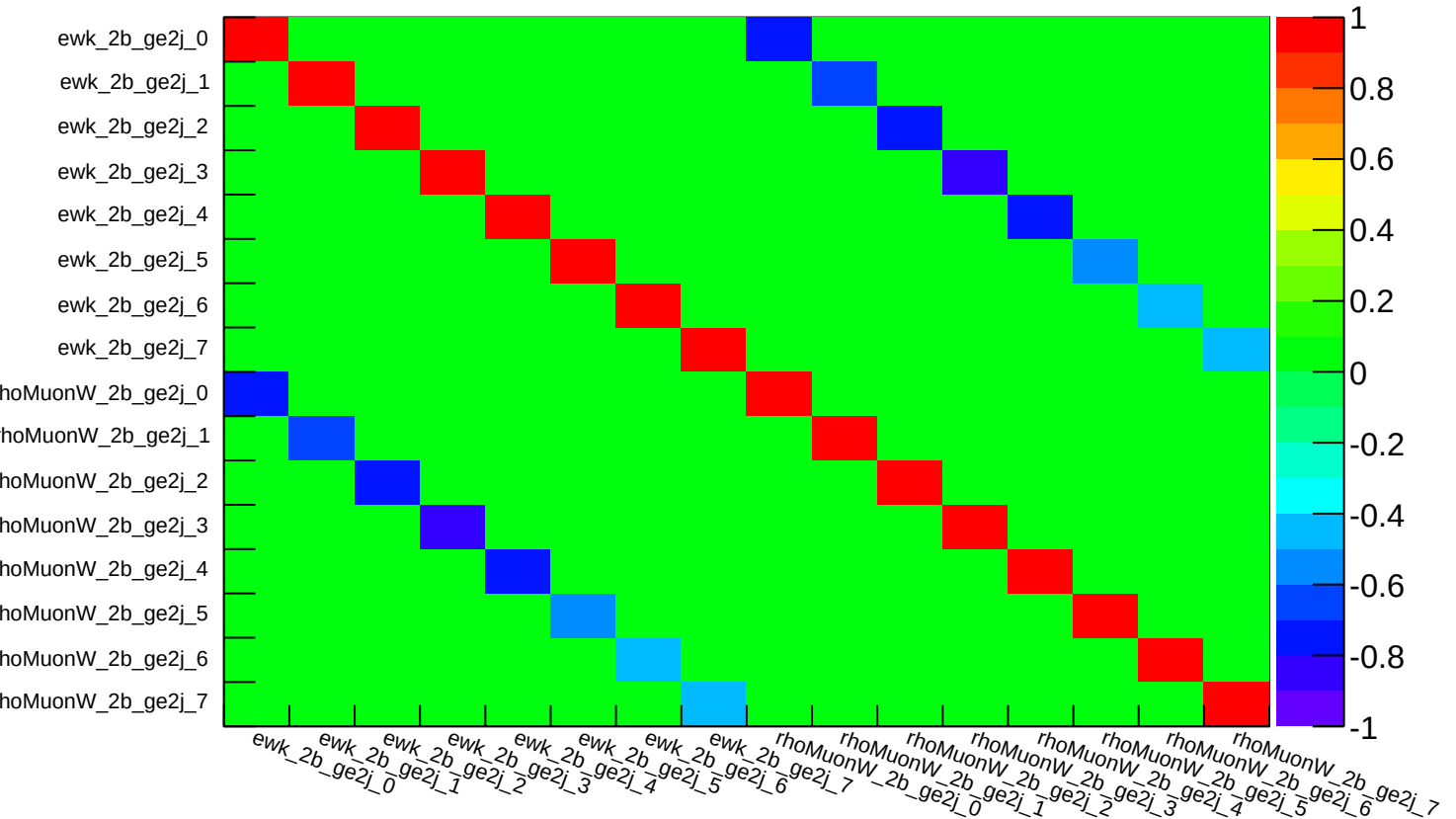
ewk scale factor (result of fit)




$\times 10^{-6}$
R_{α_T}
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV
Data (hadronic sample, $n_b = 2$; $n_j \geq 2$)
Standard Model ± Expected Unc.
400
500
600
700
800
900
1000
1100
H_T (GeV)


CMS Preliminary, 19.5 fb-1, √s = 8 TeV
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
1100
HT (GeV)


CMS Preliminary, 19.5 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
1100
HT (GeV)

par name:	value	+/- error	[min	- max]
ewk_2b_ge2j_0:	1.37e+02	+/- 4.9e+00	[0.0e+00	- 1.5e+03]
ewk_2b_ge2j_1:	6.42e+01	+/- 3.2e+00	[0.0e+00	- 7.1e+02]
ewk_2b_ge2j_2:	2.40e+01	+/- 1.8e+00	[0.0e+00	- 3.9e+02]
ewk_2b_ge2j_3:	9.00e+00	+/- 1.2e+00	[0.0e+00	- 1.5e+02]
ewk_2b_ge2j_4:	2.13e+00	+/- 3.5e-01	[0.0e+00	- 1.0e+01]
ewk_2b_ge2j_5:	1.01e+00	+/- 2.4e-01	[0.0e+00	- 2.0e+01]
ewk_2b_ge2j_6:	4.64e-01	+/- 1.4e-01	[0.0e+00	- 1.0e+01]
ewk_2b_ge2j_7:	3.78e-01	+/- 1.3e-01	[0.0e+00	- 1.0e+01]
rhoMuonW_2b_ge2j_0:	9.87e-01	+/- 2.8e-02	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_1:	9.90e-01	+/- 3.7e-02	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_2:	9.50e-01	+/- 5.3e-02	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_3:	9.14e-01	+/- 1.1e-01	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_4:	1.02e+00	+/- 1.2e-01	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_5:	9.79e-01	+/- 1.4e-01	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_6:	1.01e+00	+/- 1.5e-01	[0.0e+00	- 3.0e+00]
rhoMuonW_2b_ge2j_7:	9.86e-01	+/- 1.5e-01	[0.0e+00	- 3.0e+00]

correlation_matrix