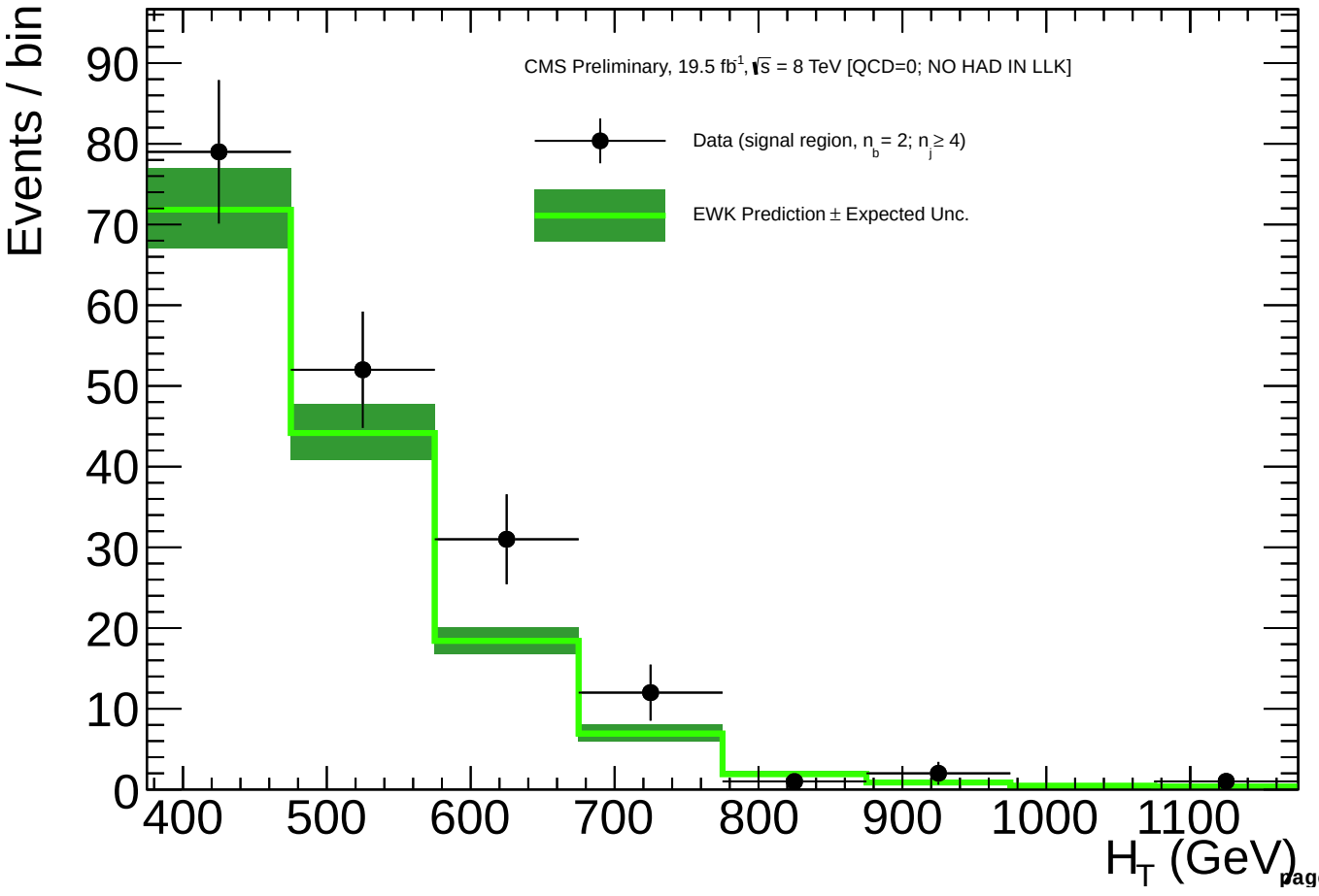
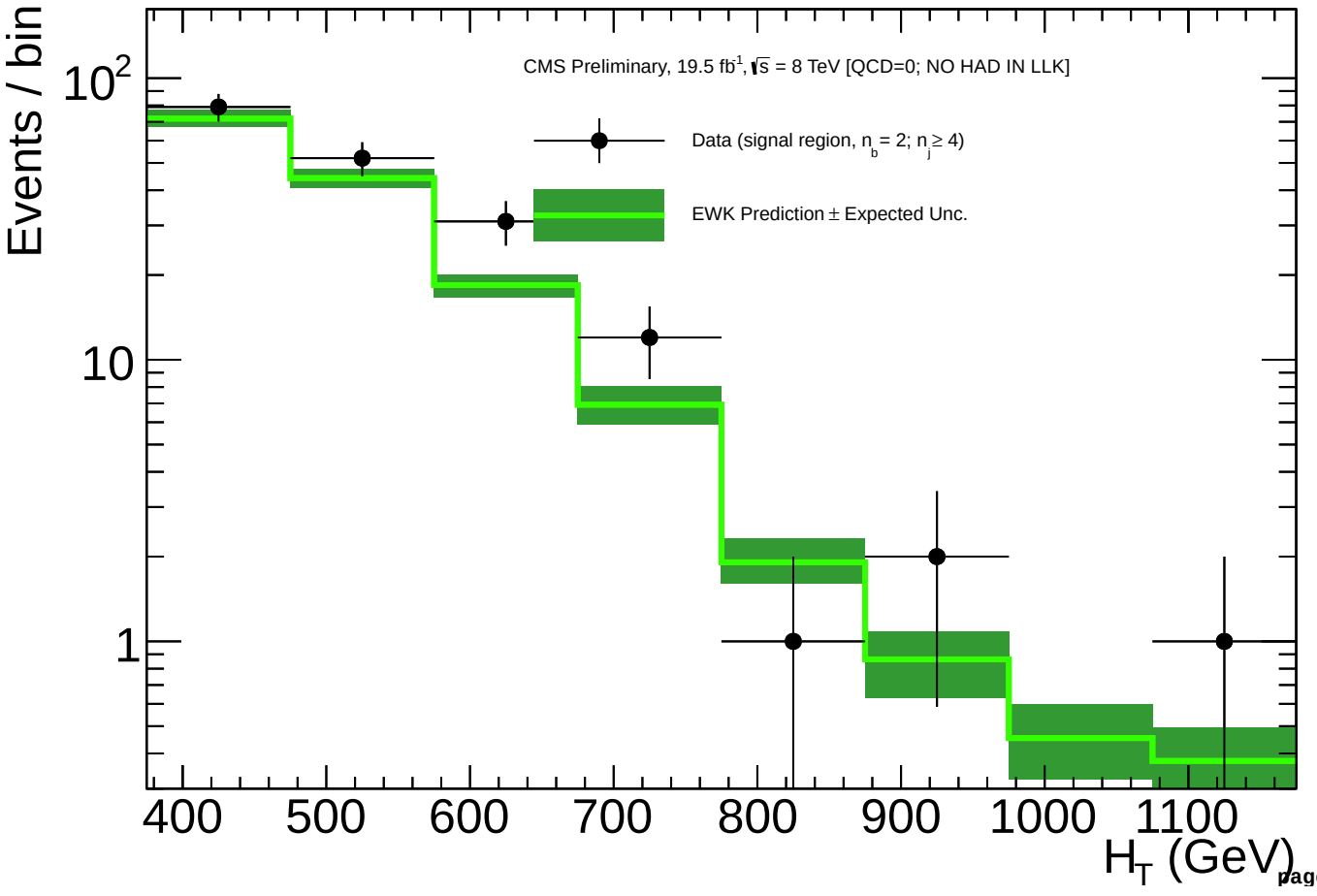
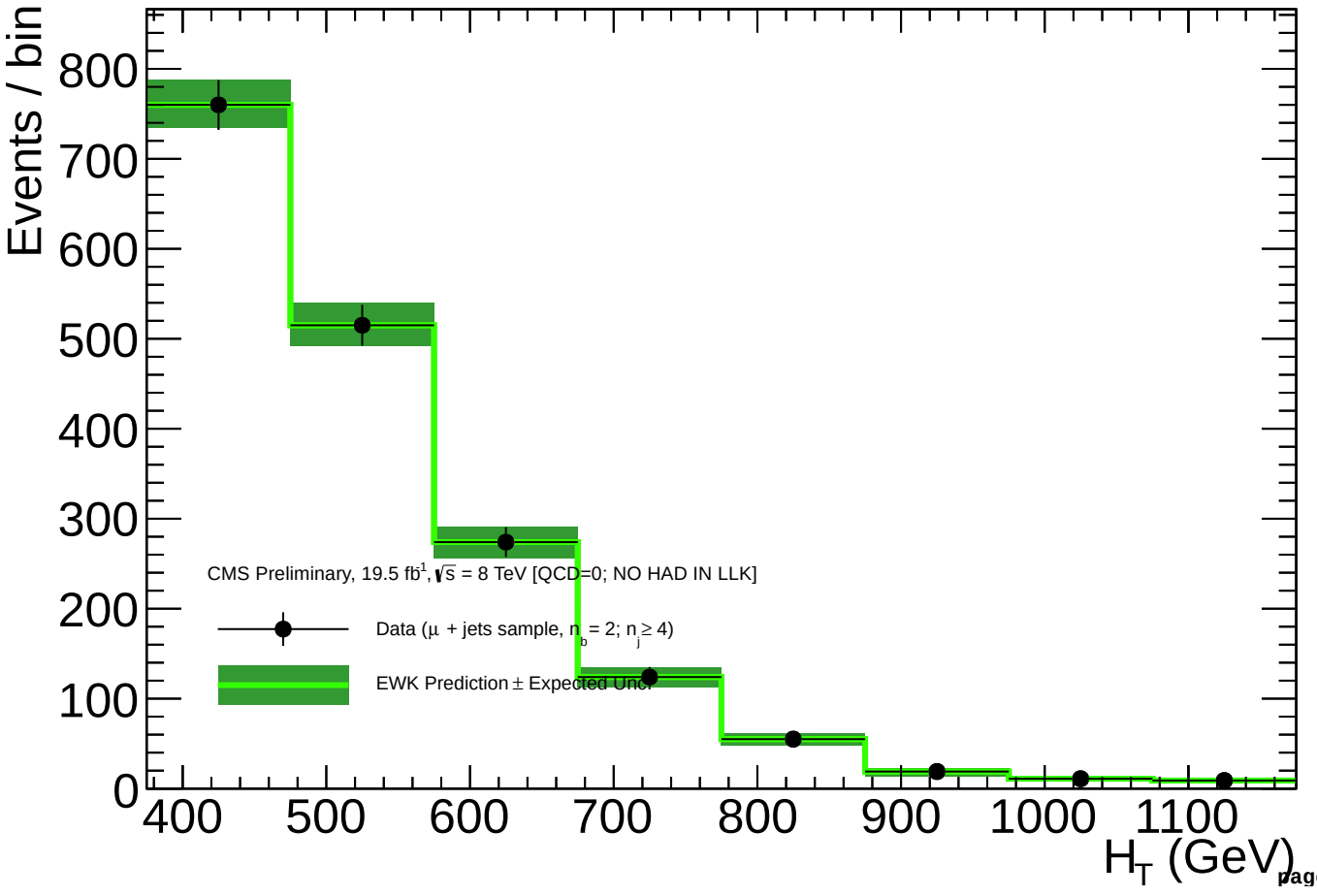
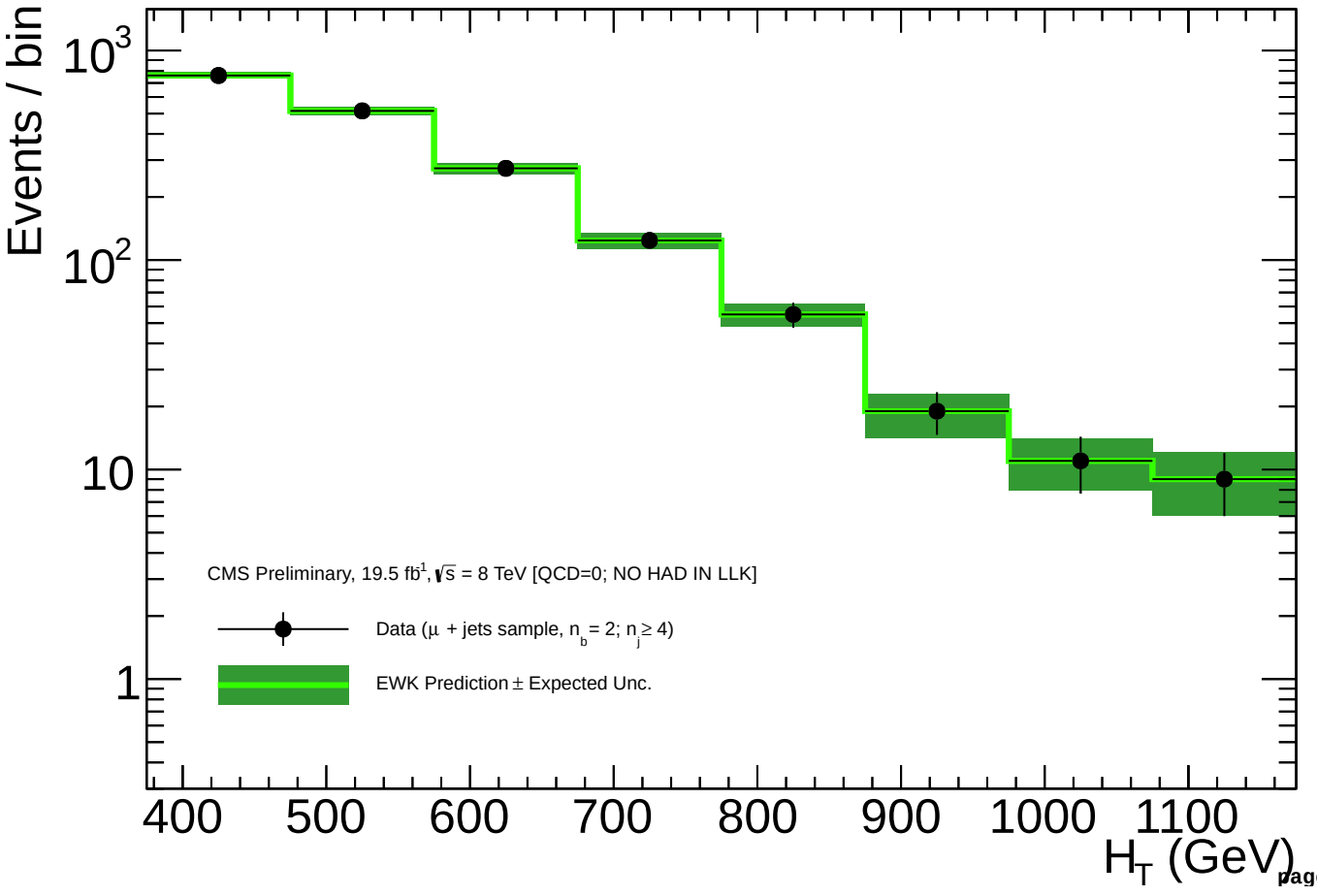
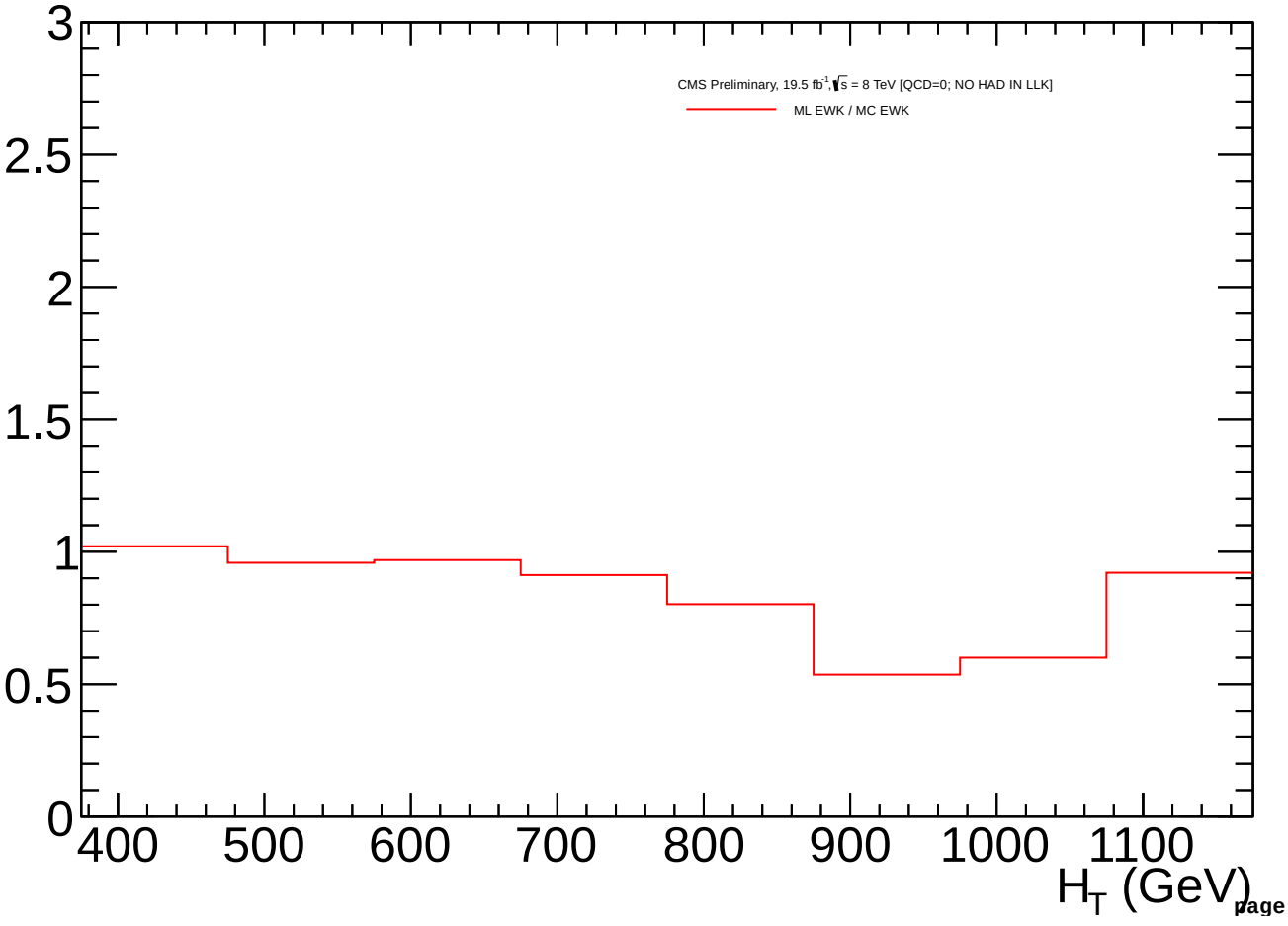

CMS Preliminary, 19.5 fb-1, √s = 8 TeV [QCD=0; NO HAD IN LLK]
Data (signal region, nb = 2; nj ≥ 4)
EWK Prediction ± Expected Unc.
Events / bin
0
10
20
30
40
50
60
70
80
90
400
500
600
700
800
900
1000
1100
HT (GeV)

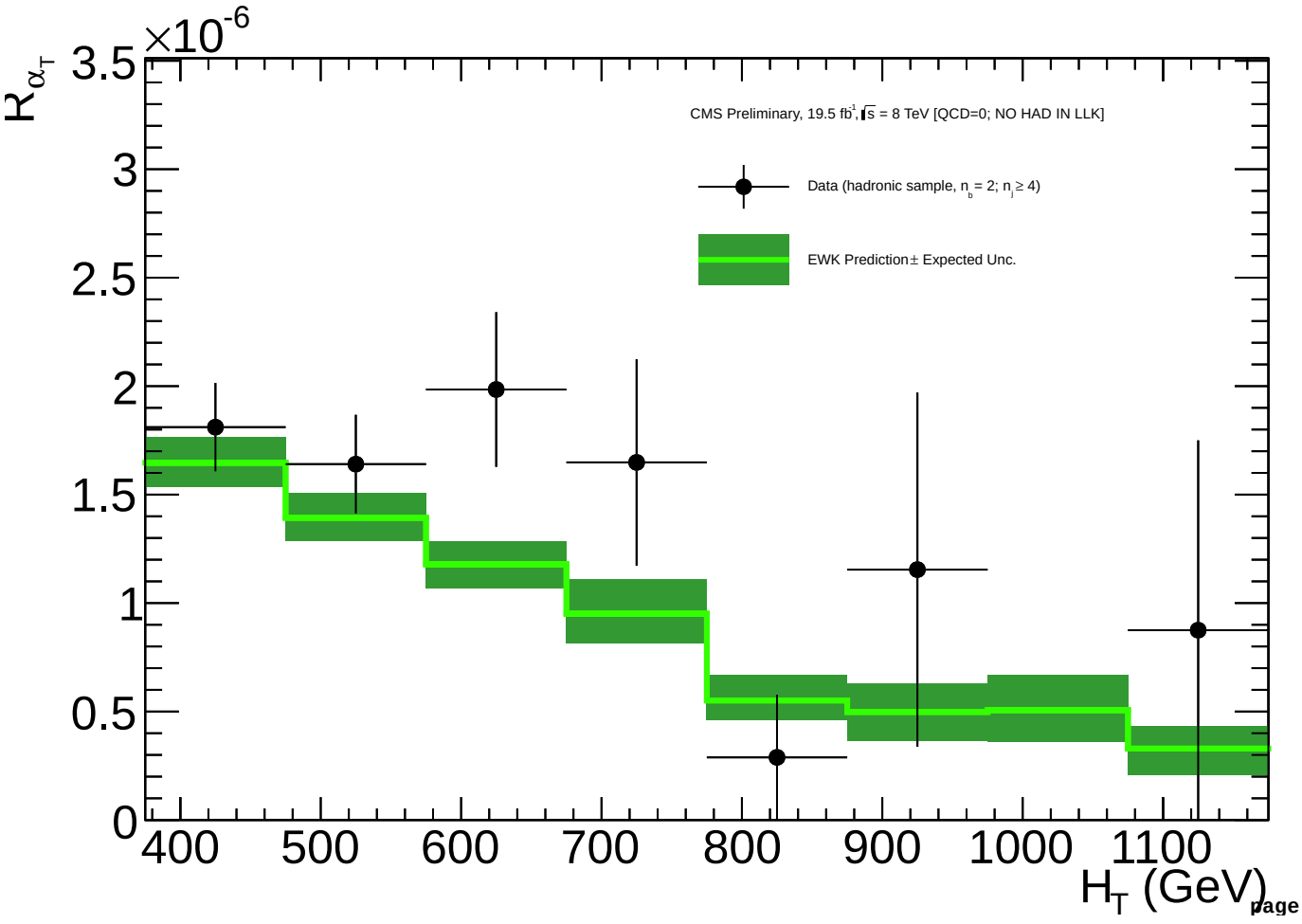

CMS Preliminary, 19.5 fb-1, √s = 8 TeV [QCD=0; NO HAD IN LLK]
Data (signal region, nb = 2; nj ≥ 4)
EWK Prediction ± Expected Unc.
Events / bin
10²
10
1
400
500
600
700
800
900
1000
1100
HT (GeV)

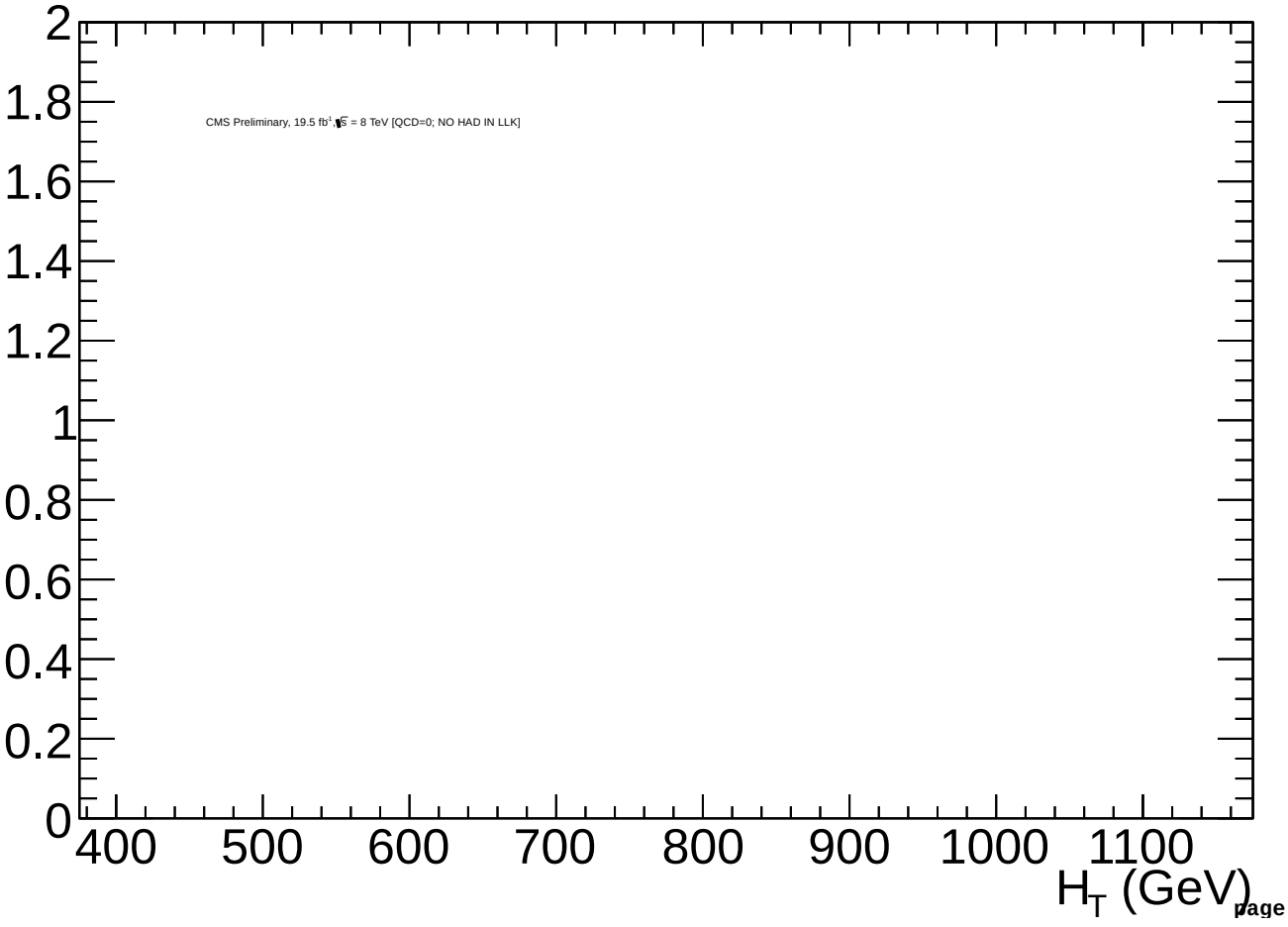

Events / bin
800
700
600
500
400
300
200
100
0
400
500
600
700
800
900
1000
1100
H_T (GeV)
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (μ + jets sample, $n_b = 2$; $n_j \geq 4$)
EWK Prediction ± Expected Unc.

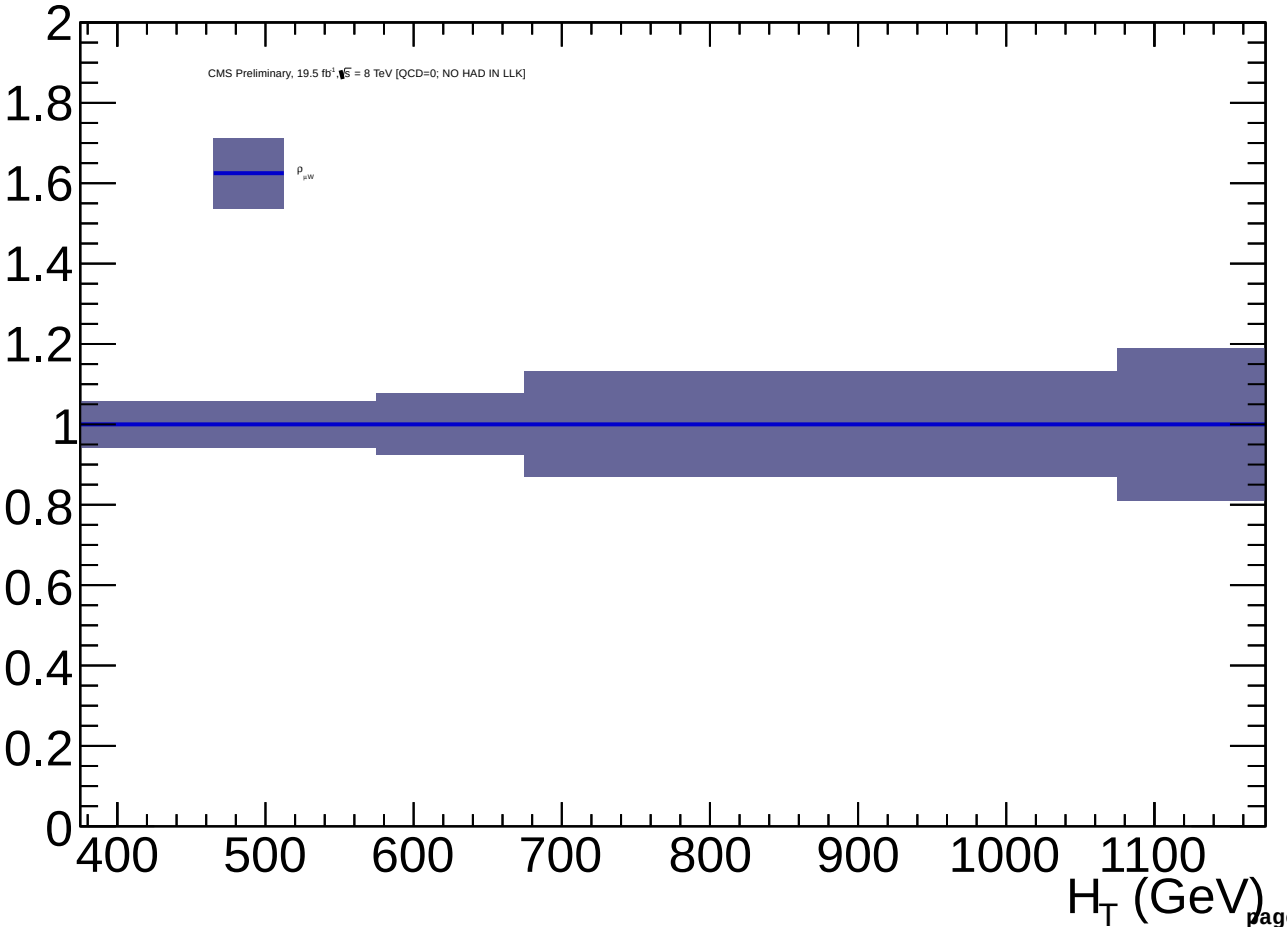

Events / bin
10^3
10^2
10
1
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (μ + jets sample, $n_b = 2$; $n_j \geq 4$)
EWK Prediction $\pm$ Expected Unc.
400
500
600
700
800
900
1000
1100
H_T (GeV)

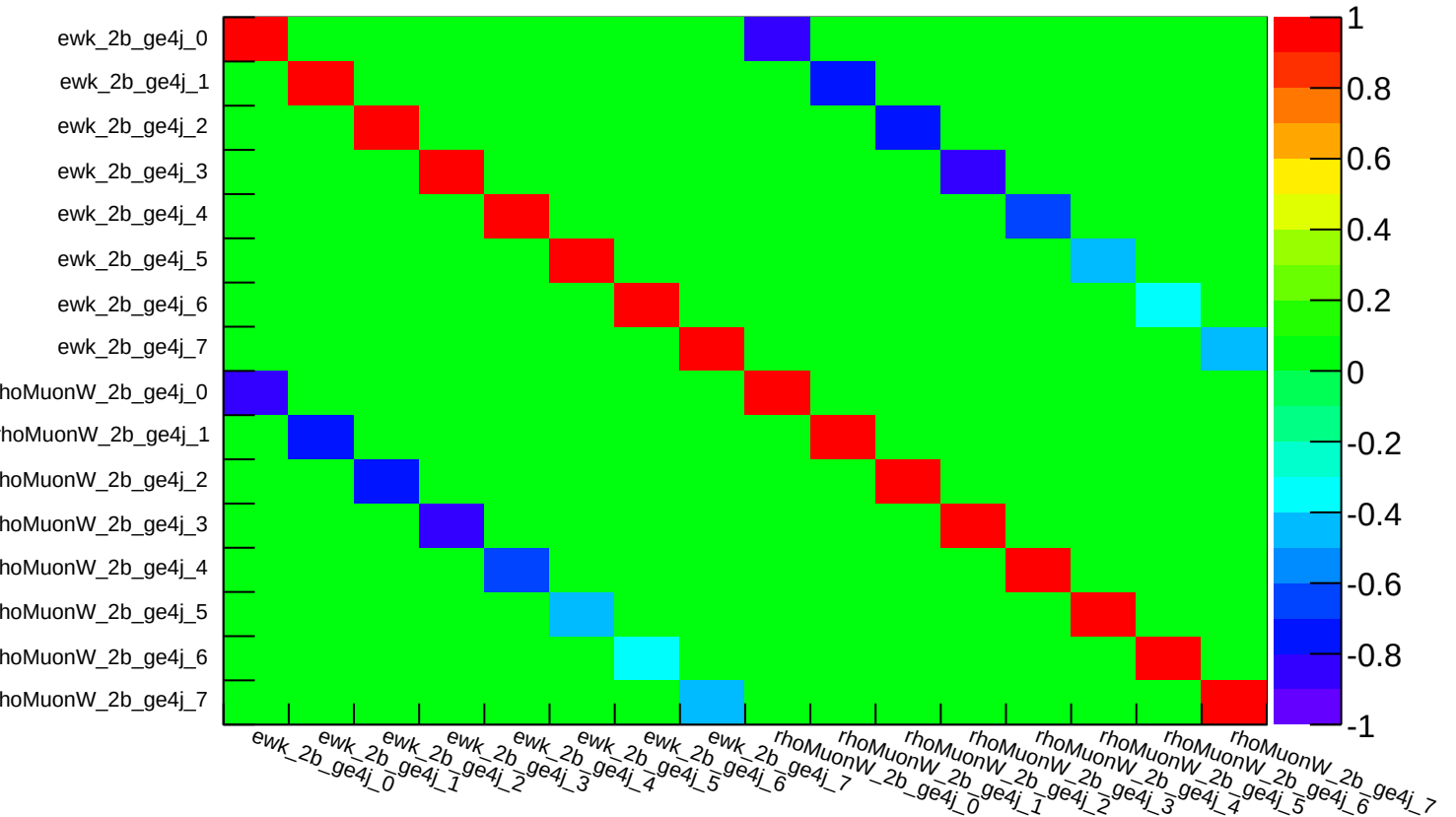
ewk scale factor (result of fit)




R_{α_T}
$\times 10^{-6}$
3.5
3
2.5
2
1.5
1
0.5
0
400
500
600
700
800
900
1000
1100
H_T (GeV)
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (hadronic sample, n_b = 2; $n_j \geq$ 4)
EWK Prediction ± Expected Unc.


CMS Preliminary, 19.5 fb-1, √s = 8 TeV [QCD=0; NO HAD IN LLK]
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 [QCD=0; NO HAD IN LLK]
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_ge4j_0:	7.18e+01	+/- 4.9e+00	[0.0e+00 - 7.9e+02]
ewk_2b_ge4j_1:	4.42e+01	+/- 3.2e+00	[0.0e+00 - 5.2e+02]
ewk_2b_ge4j_2:	1.84e+01	+/- 1.8e+00	[0.0e+00 - 3.1e+02]
ewk_2b_ge4j_3:	6.92e+00	+/- 1.1e+00	[0.0e+00 - 1.2e+02]
ewk_2b_ge4j_4:	1.91e+00	+/- 3.6e-01	[0.0e+00 - 1.0e+01]
ewk_2b_ge4j_5:	8.63e-01	+/- 2.3e-01	[0.0e+00 - 2.0e+01]
ewk_2b_ge4j_6:	4.54e-01	+/- 1.5e-01	[0.0e+00 - 1.0e+01]
ewk_2b_ge4j_7:	3.76e-01	+/- 1.4e-01	[0.0e+00 - 1.0e+01]
rhoMuonW_2b_ge4j_0:	1.00e+00	+/- 5.8e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_1:	1.00e+00	+/- 5.8e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_2:	1.00e+00	+/- 7.7e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_3:	1.00e+00	+/- 1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_4:	1.00e+00	+/- 1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_5:	1.00e+00	+/- 1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_6:	1.00e+00	+/- 1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_7:	1.00e+00	+/- 1.9e-01	[0.0e+00 - 3.0e+00]

correlation_matrix