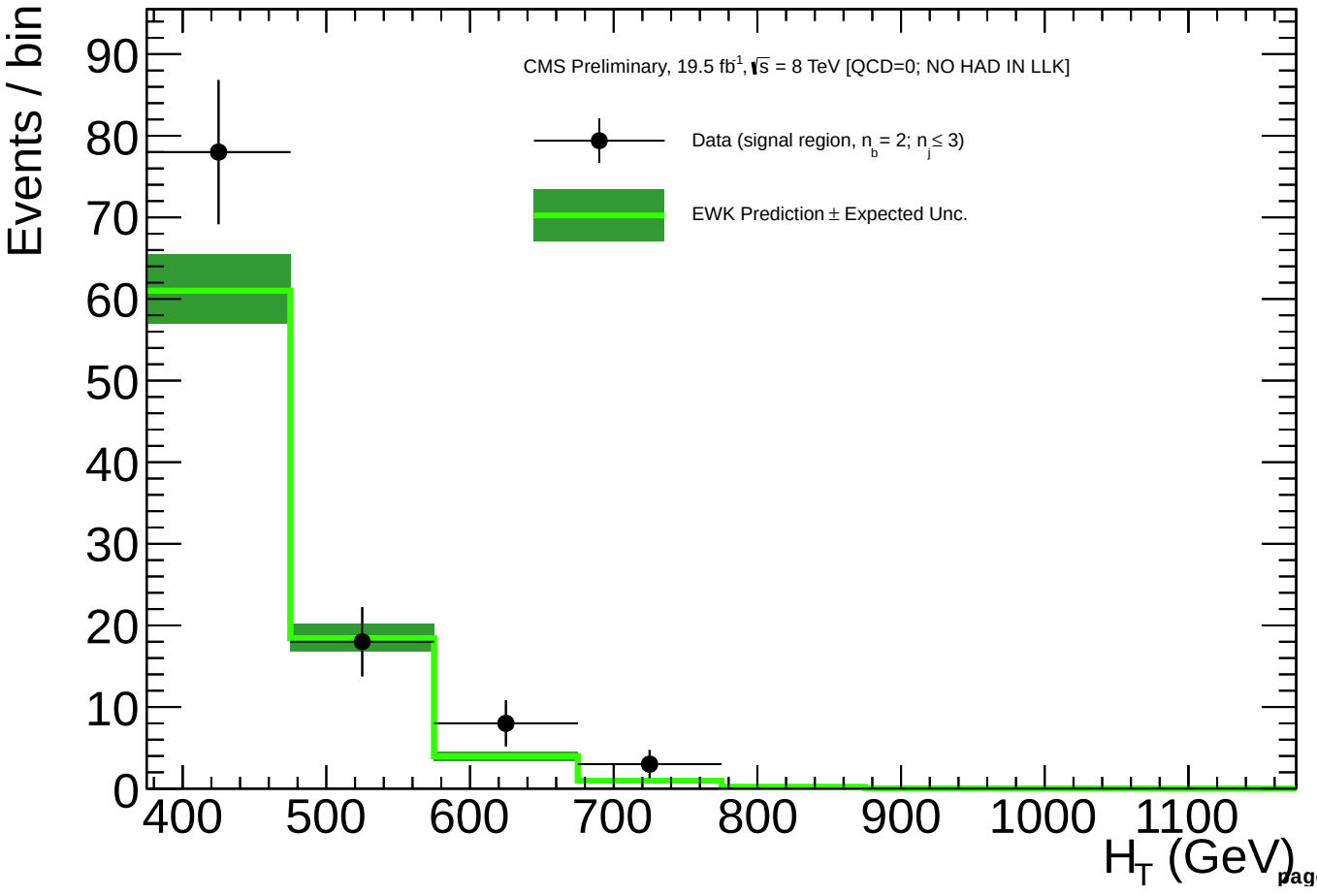
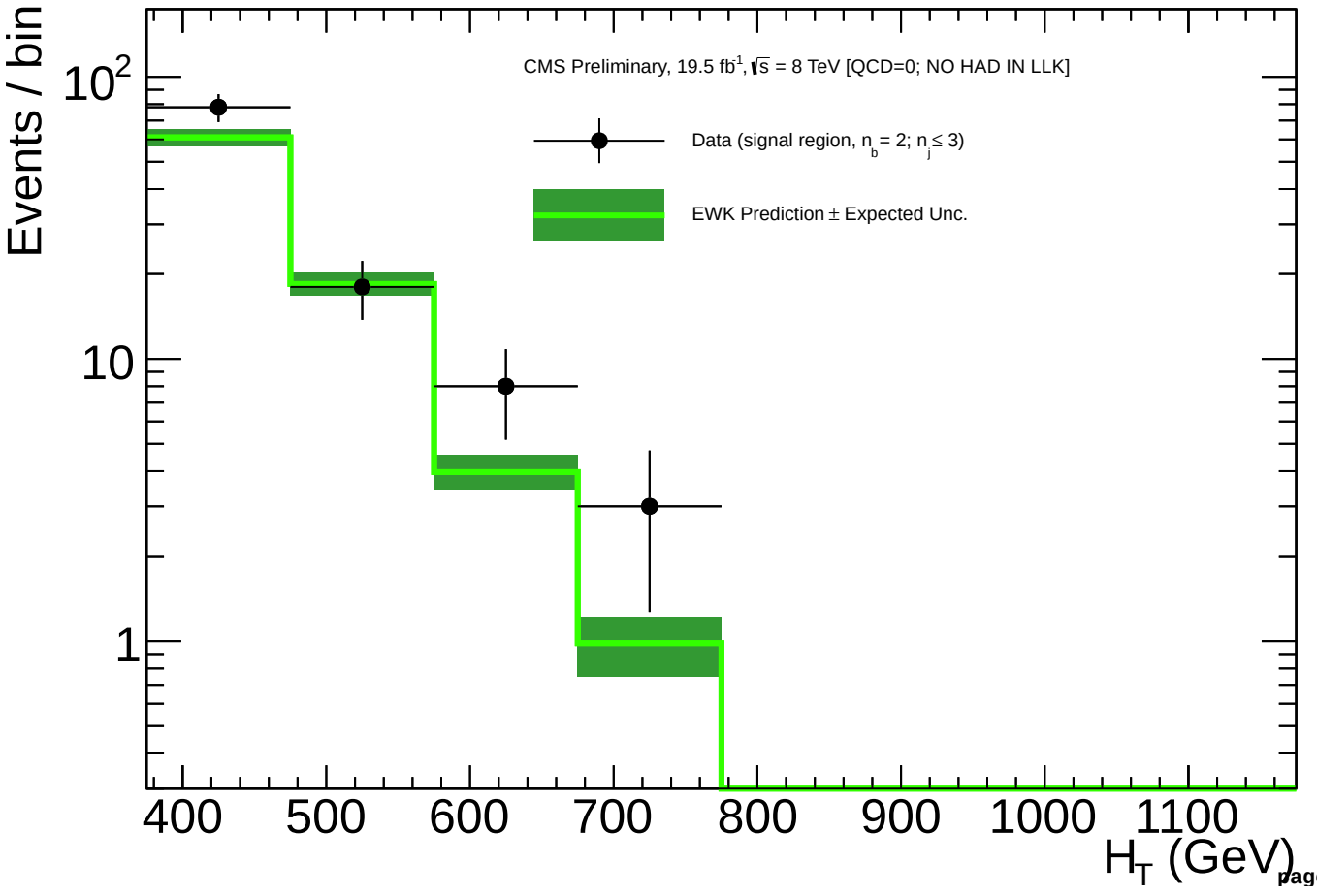
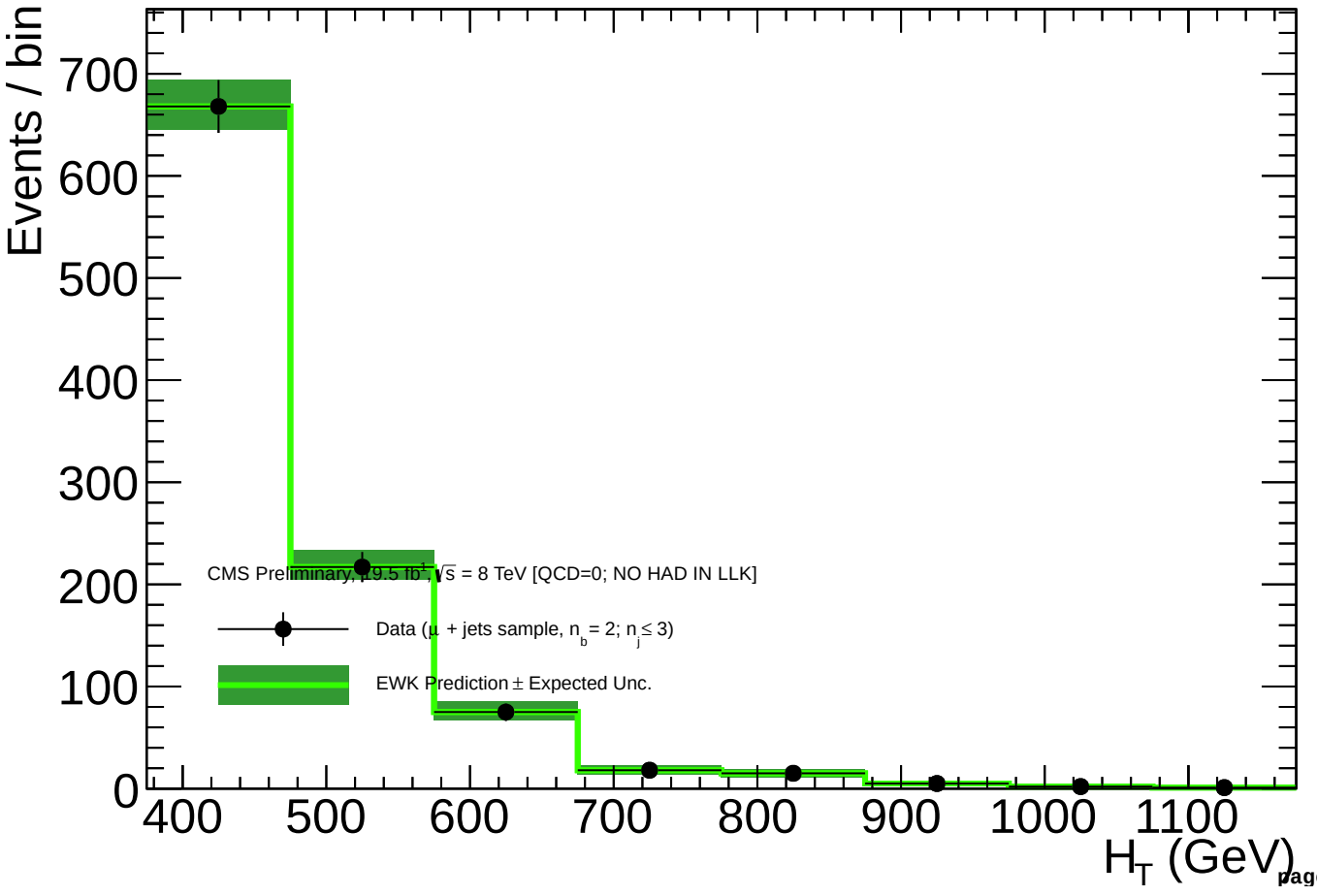
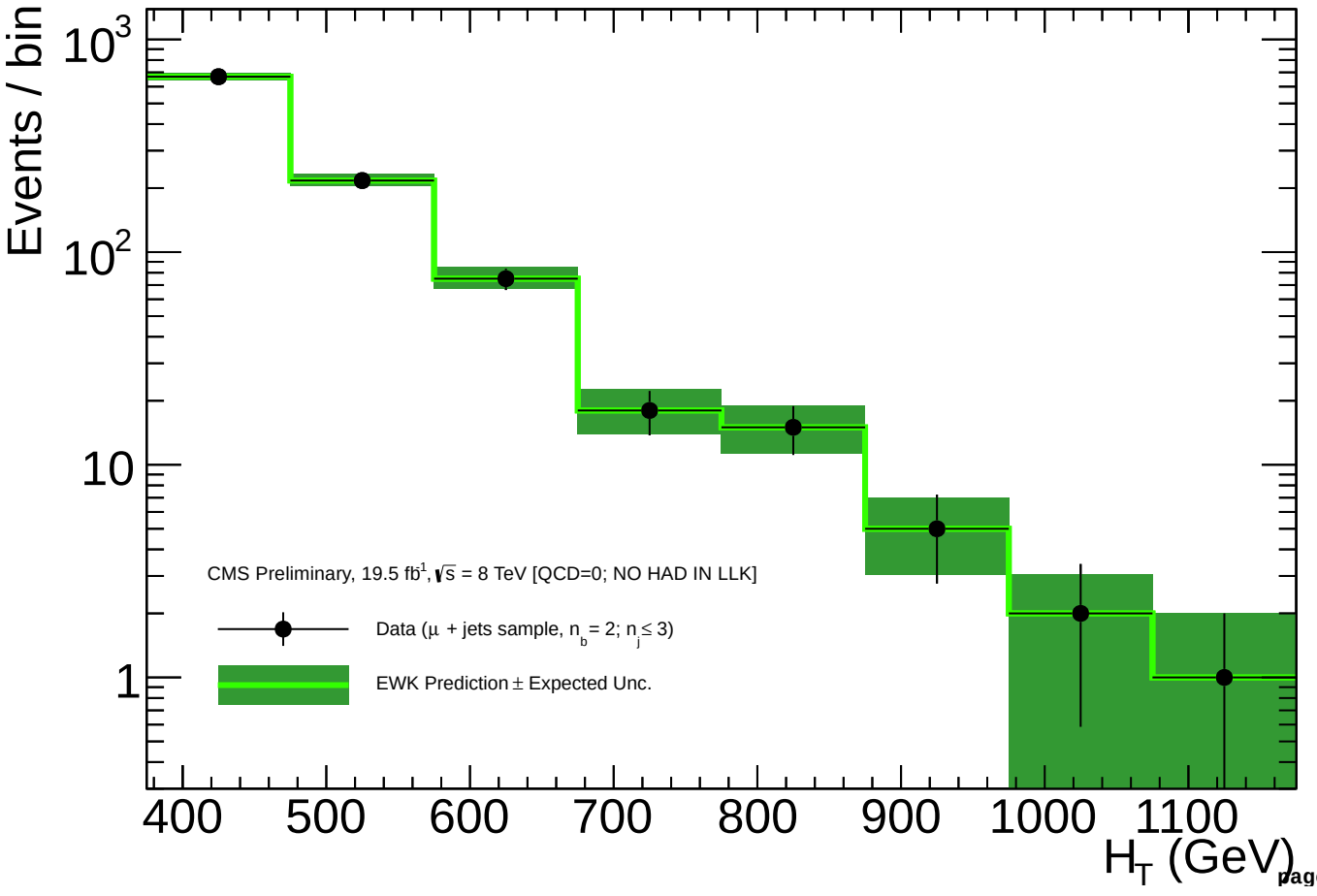
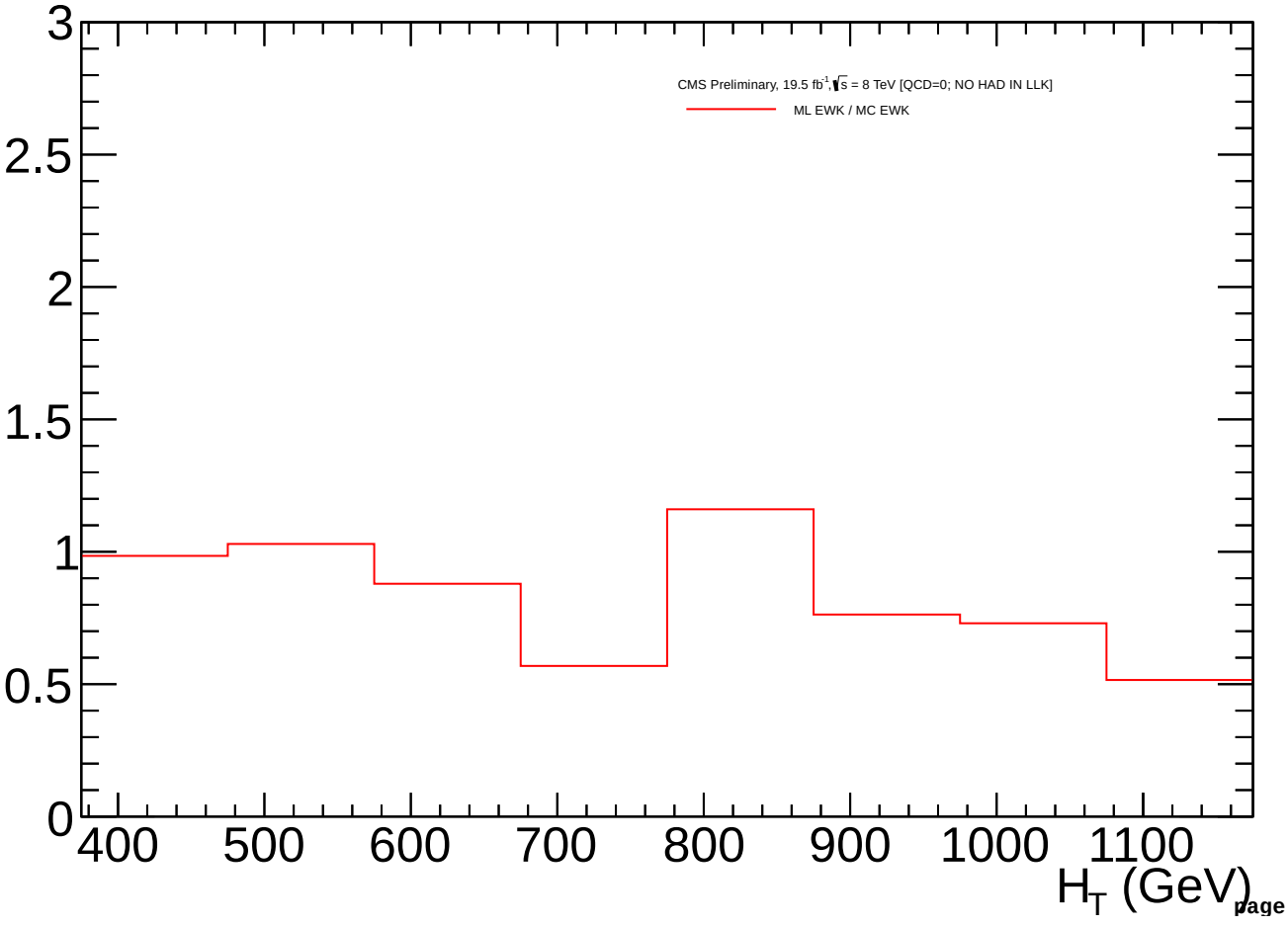

CMS Preliminary, 19.5 fb-1, √s = 8 TeV [QCD=0; NO HAD IN LLK]
Data (signal region, nb = 2; nj ≤ 3)
EWK Prediction ± Expected Unc.
Events / bin
0
10
20
30
40
50
60
70
80
90
400
500
600
700
800
900
1000
1100
HT (GeV)

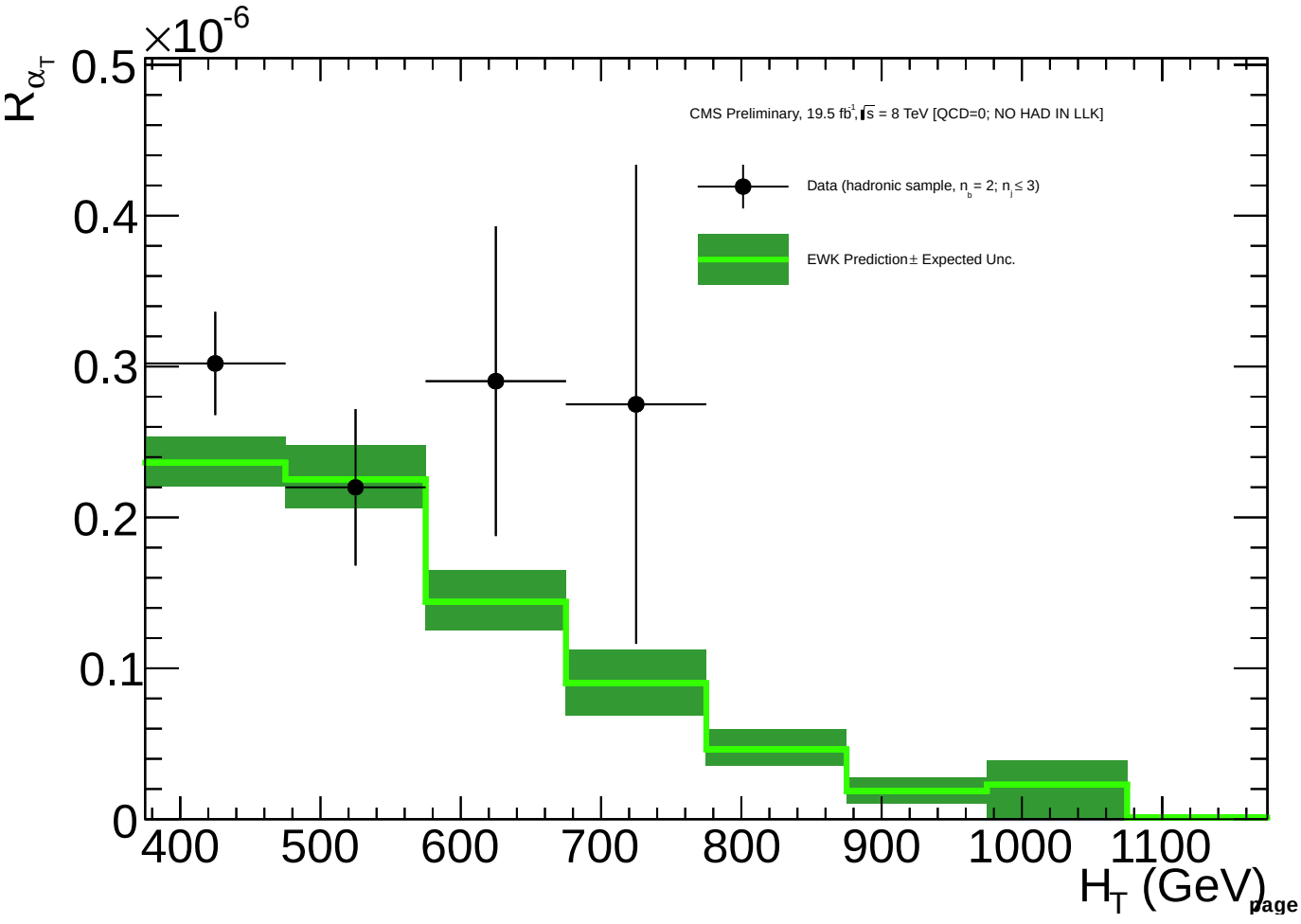

CMS Preliminary, 19.5 fb-1, √s = 8 TeV [QCD=0; NO HAD IN LLK]
Data (signal region, nb = 2; nj ≤ 3)
EWK Prediction ± Expected Unc.
Events / bin
10²
10
1
400
500
600
700
800
900
1000
1100
HT (GeV)

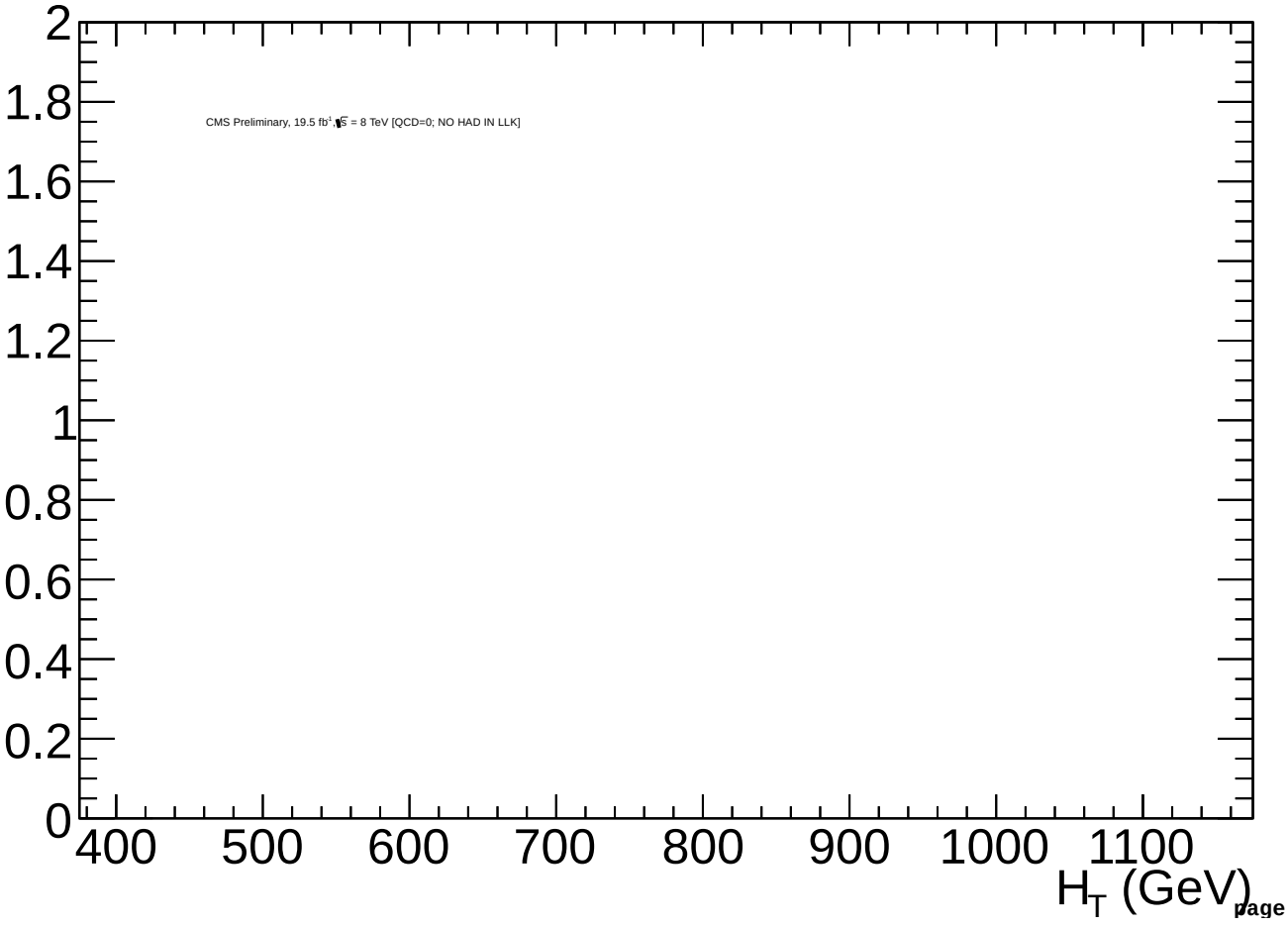

Events / bin
700
600
500
400
300
200
100
0
400
500
600
700
800
900
1000
1100
H_T (GeV)
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (μ + jets sample, $n_b = 2$; $n_j \leq 3$)
EWK Prediction ± Expected Unc.

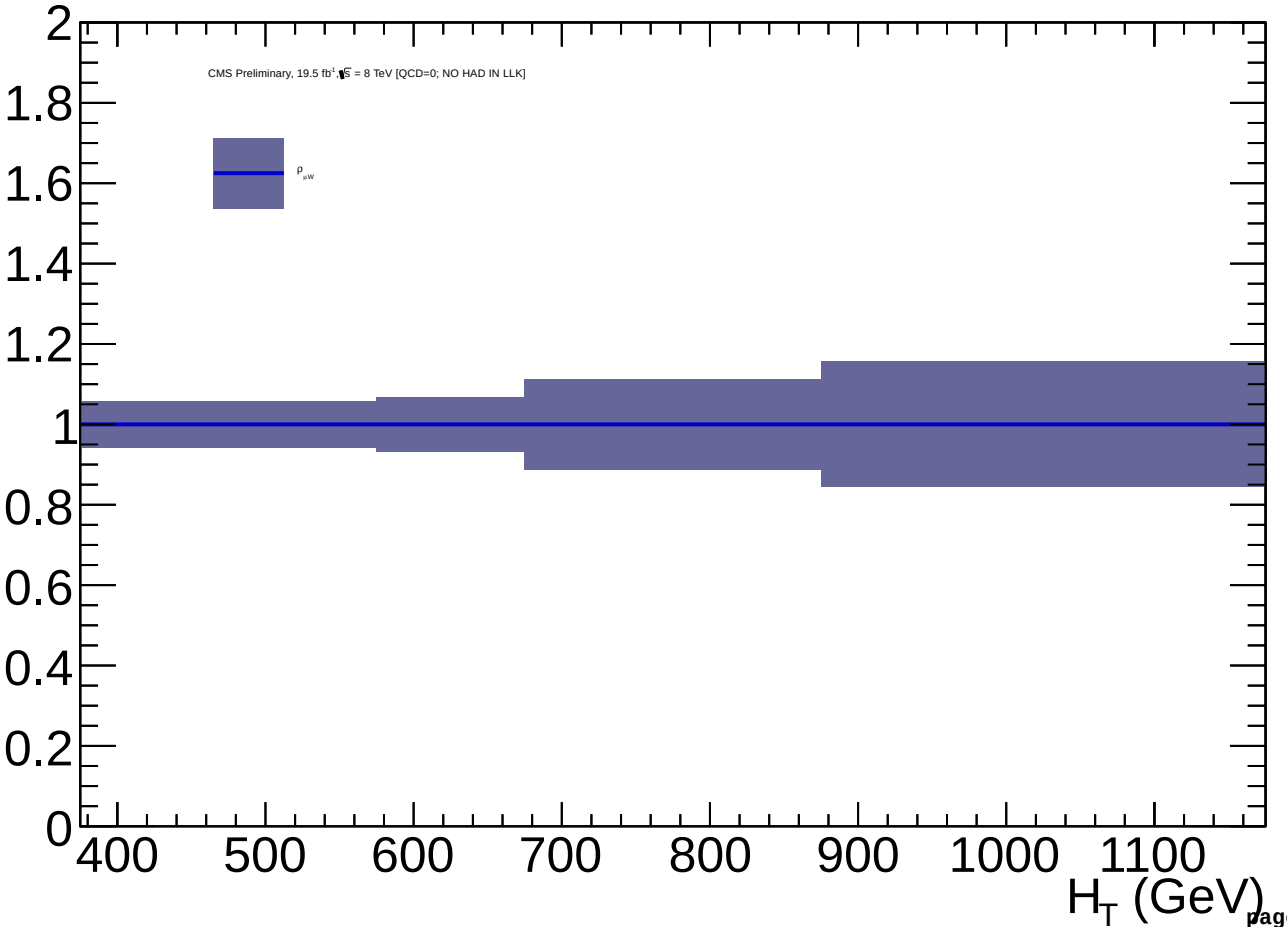

Events / bin
10^3
10^2
10
1
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (μ + jets sample, $n_b = 2$; $n_j \leq 3$)
EWK Prediction $\pm$ Expected Unc.
400
500
600
700
800
900
1000
1100
H_T (GeV)

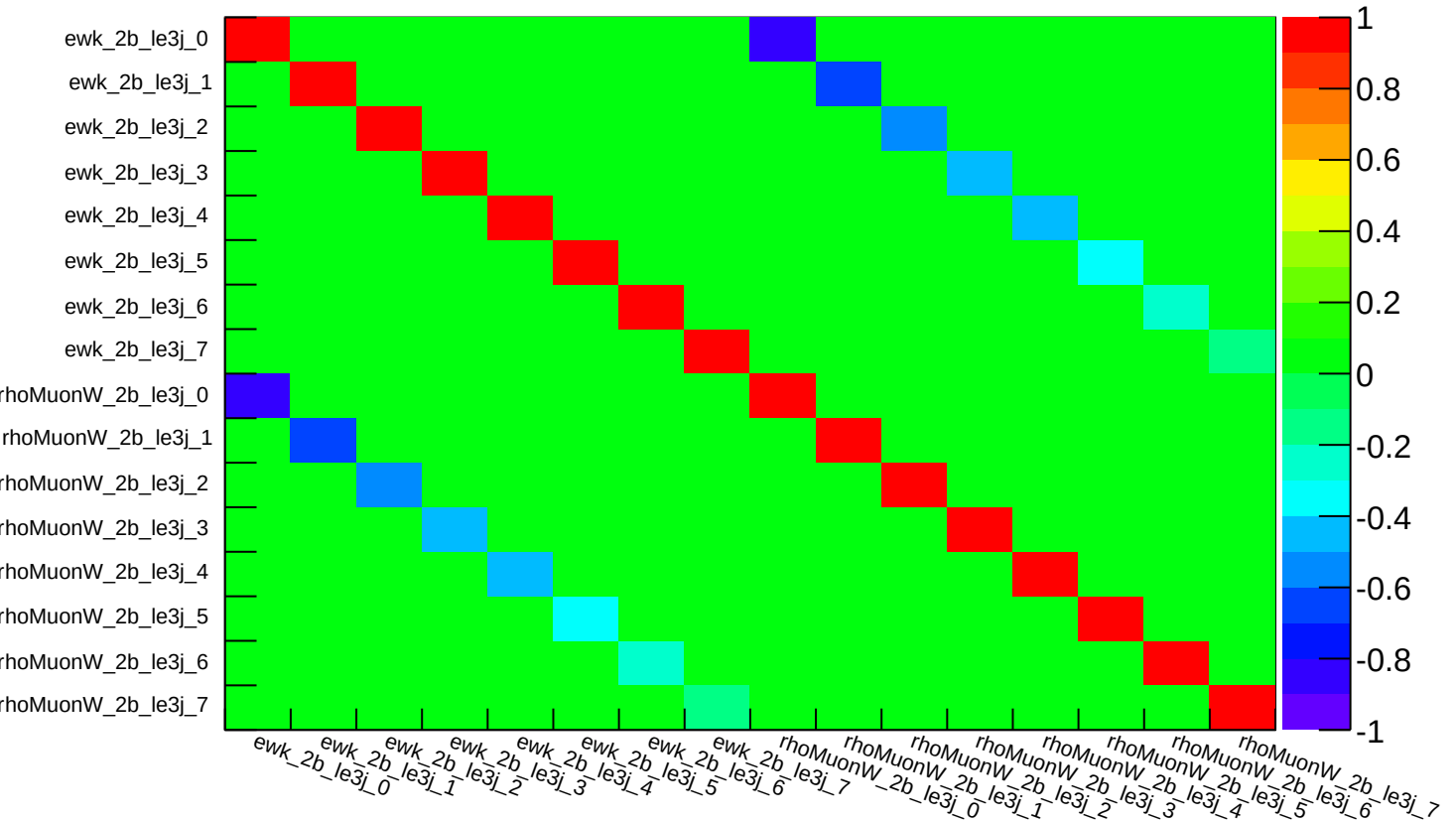
ewk scale factor (result of fit)




$\times 10^{-6}$
R_{α_T}
0.5
0.4
0.3
0.2
0.1
0
CMS Preliminary, 19.5 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]
Data (hadronic sample, n_b = 2; $n_j \leq$ 3)
EWK Prediction ± Expected Unc.
400
500
600
700
800
900
1000
1100
H_T (GeV)


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_le3j_0:  6.10e+01 +/- 4.3e+00  [0.0e+00 - 7.8e+02]
     ewk_2b_le3j_1:  1.84e+01 +/- 1.6e+00  [0.0e+00 - 1.8e+02]
     ewk_2b_le3j_2:  3.97e+00 +/- 5.3e-01  [0.0e+00 - 8.0e+01]
     ewk_2b_le3j_3:  9.84e-01 +/- 2.6e-01  [0.0e+00 - 3.0e+01]
     ewk_2b_le3j_4:  2.14e-01 +/- 6.0e-02  [0.0e+00 - 1.0e+01]
     ewk_2b_le3j_5:  3.87e-02 +/- 1.8e-02  [0.0e+00 - 1.0e+01]
     ewk_2b_le3j_6:  2.36e-02 +/- 1.7e-02  [0.0e+00 - 1.0e+01]
     ewk_2b_le3j_7:  1.30e-03 +/- 1.3e-03  [0.0e+00 - 1.0e+01]
rhoMuonW_2b_le3j_0:  1.00e+00 +/- 5.8e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_1:  1.00e+00 +/- 5.8e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_2:  1.00e+00 +/- 6.8e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_3:  1.00e+00 +/- 1.1e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_4:  1.00e+00 +/- 1.1e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_5:  1.00e+00 +/- 1.6e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_6:  1.00e+00 +/- 1.6e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_le3j_7:  1.00e+00 +/- 1.6e-01  [0.0e+00 - 3.0e+00]
```

correlation_matrix