CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]

● Data (signal region, n_b = 2; $n_j \geq 4$)

EWK Prediction ± Expected Unc.

Events / bin

H_T (GeV)

CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]

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H_T (GeV)

CMS Preliminary, 18.7 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.

H_T (GeV)

Events / bin

CMS Preliminary, 18.7 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.

ewk scale factor (result of fit)

CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]

ML EWK / MC EWK

H_T (GeV)

CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]

Data (hadronic sample, n_b = 2; $n_j \geq$ 4)

EWK Prediction$\pm$ Expected Unc.

R_{α_T}

$\times 10^{-6}$

H_T (GeV)

CMS Preliminary, 18.7 fb^{-1}, $\sqrt{s}$ = 8 TeV [QCD=0; NO HAD IN LLK]

H_T (GeV)

CMS Preliminary, 18.7 fb⁻¹, √s = 8 TeV [QCD=0; NO HAD IN LLK]

$\rho_{\mu W}$

H_T (GeV)

H_T (GeV)
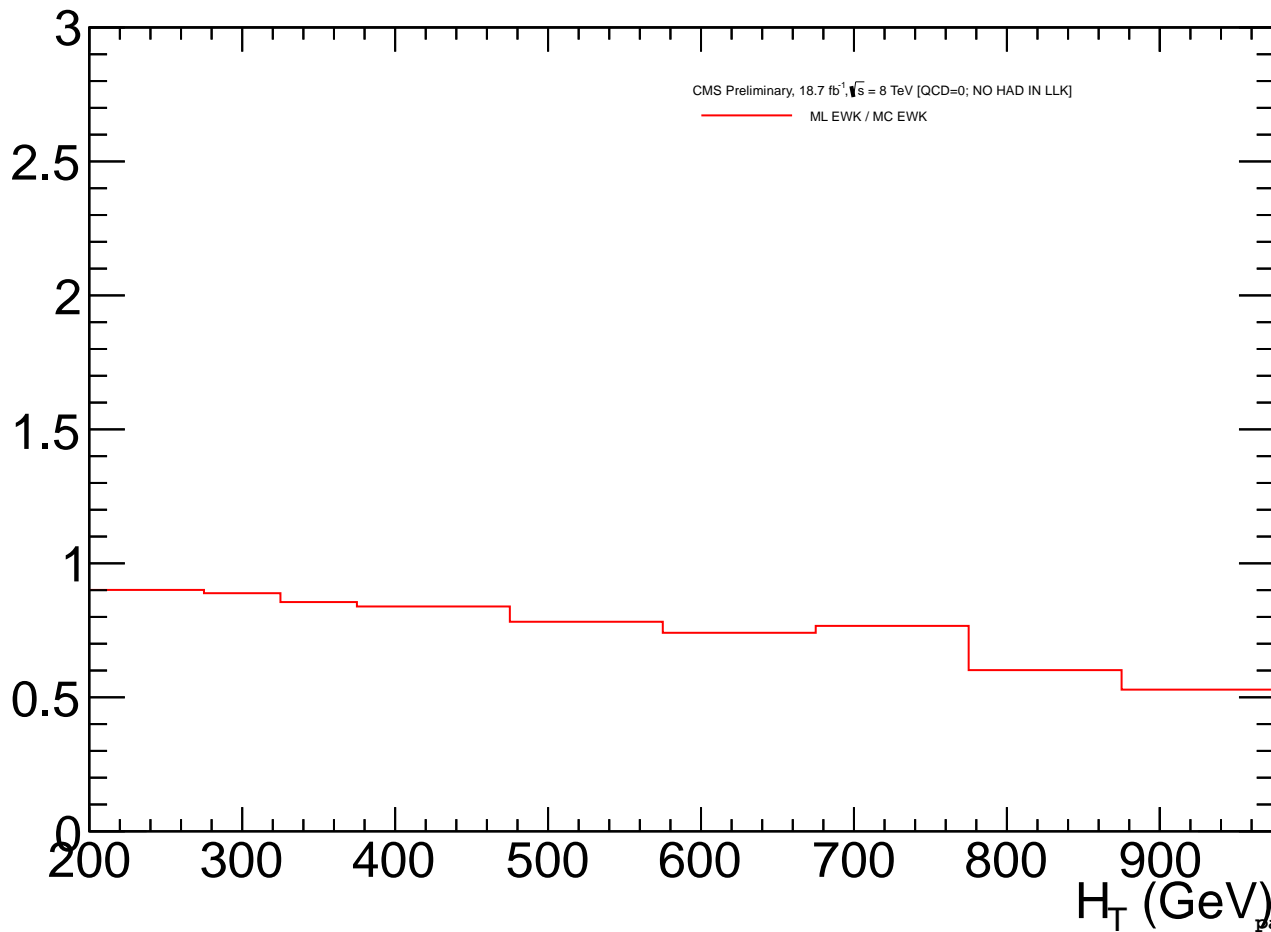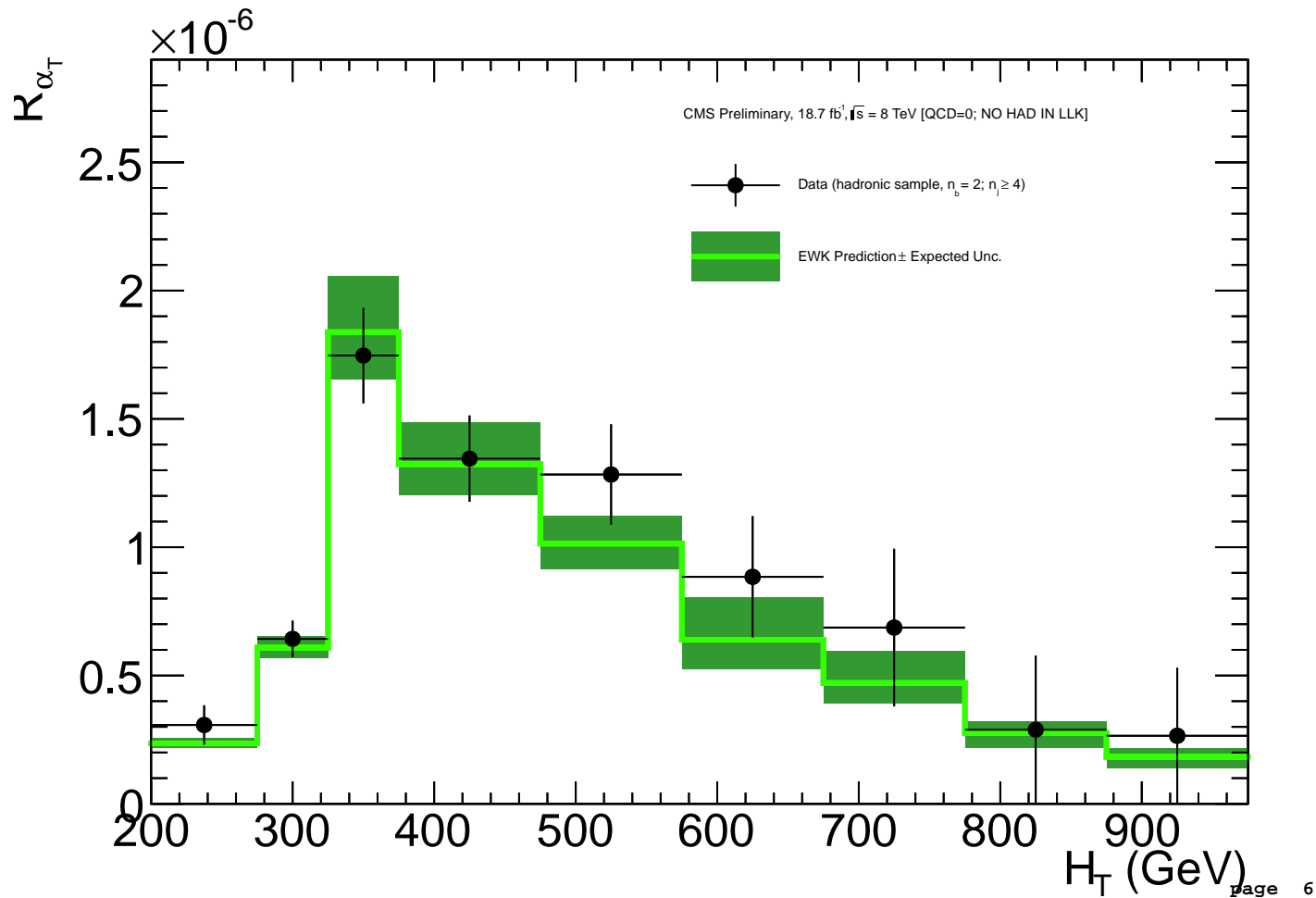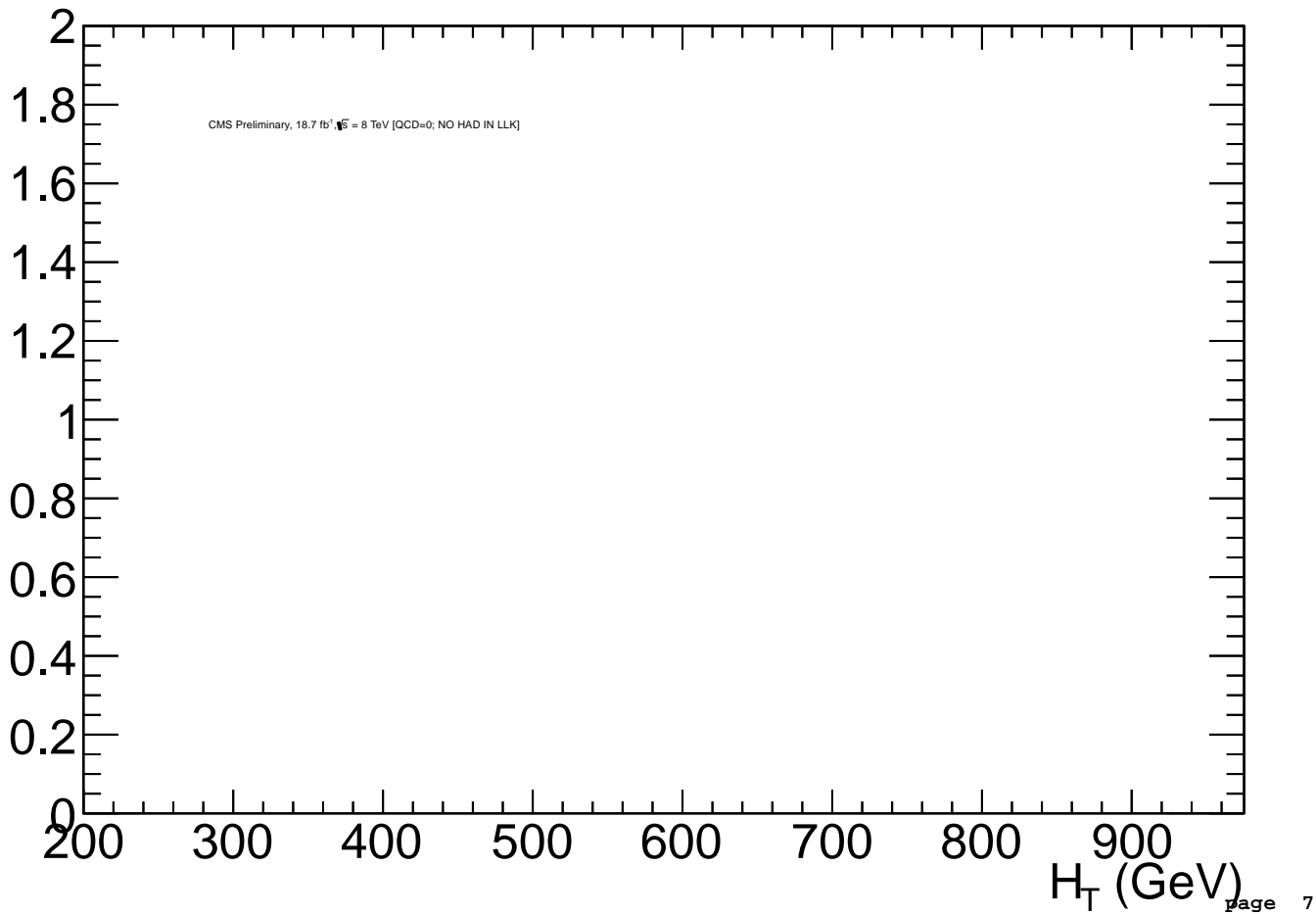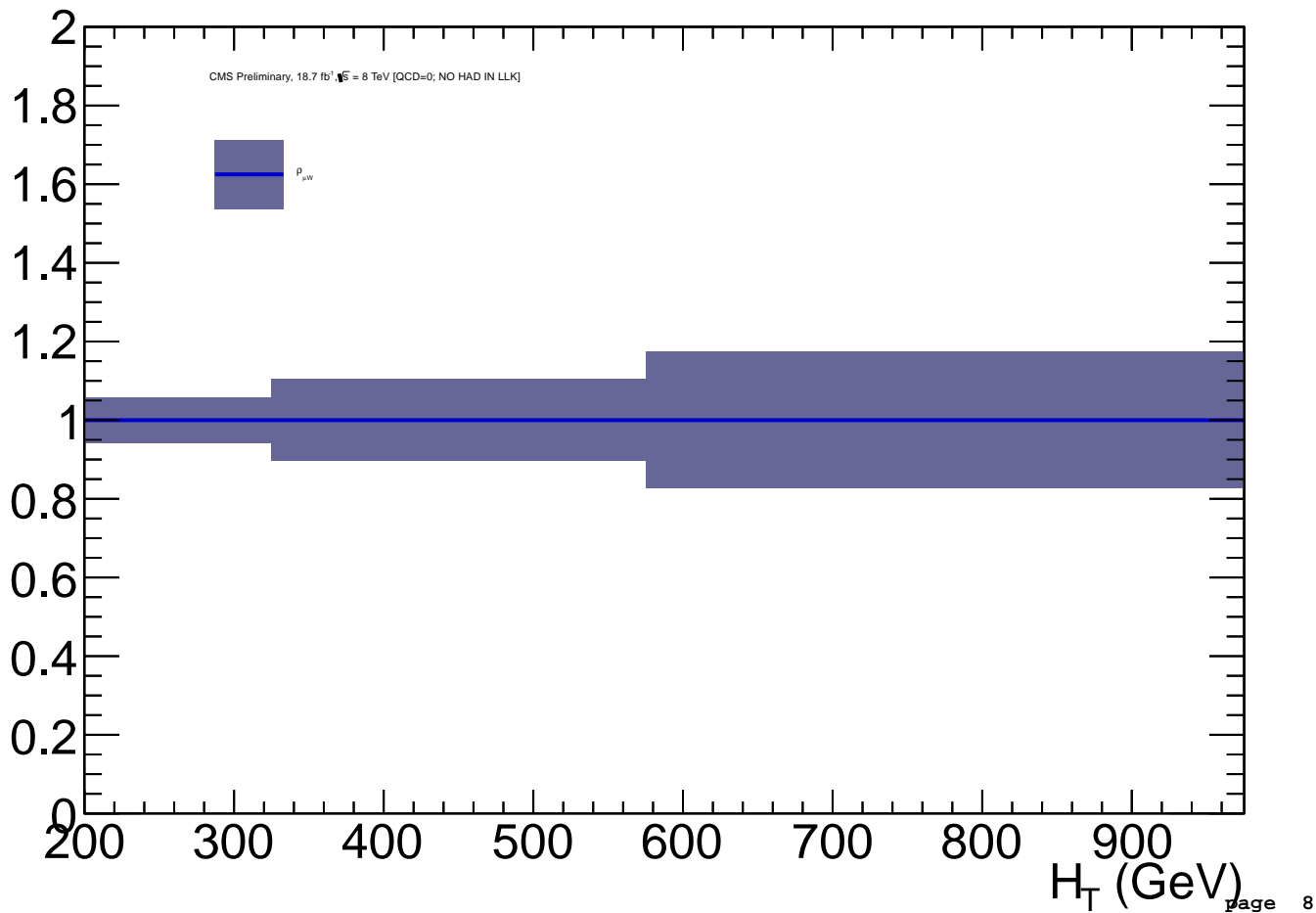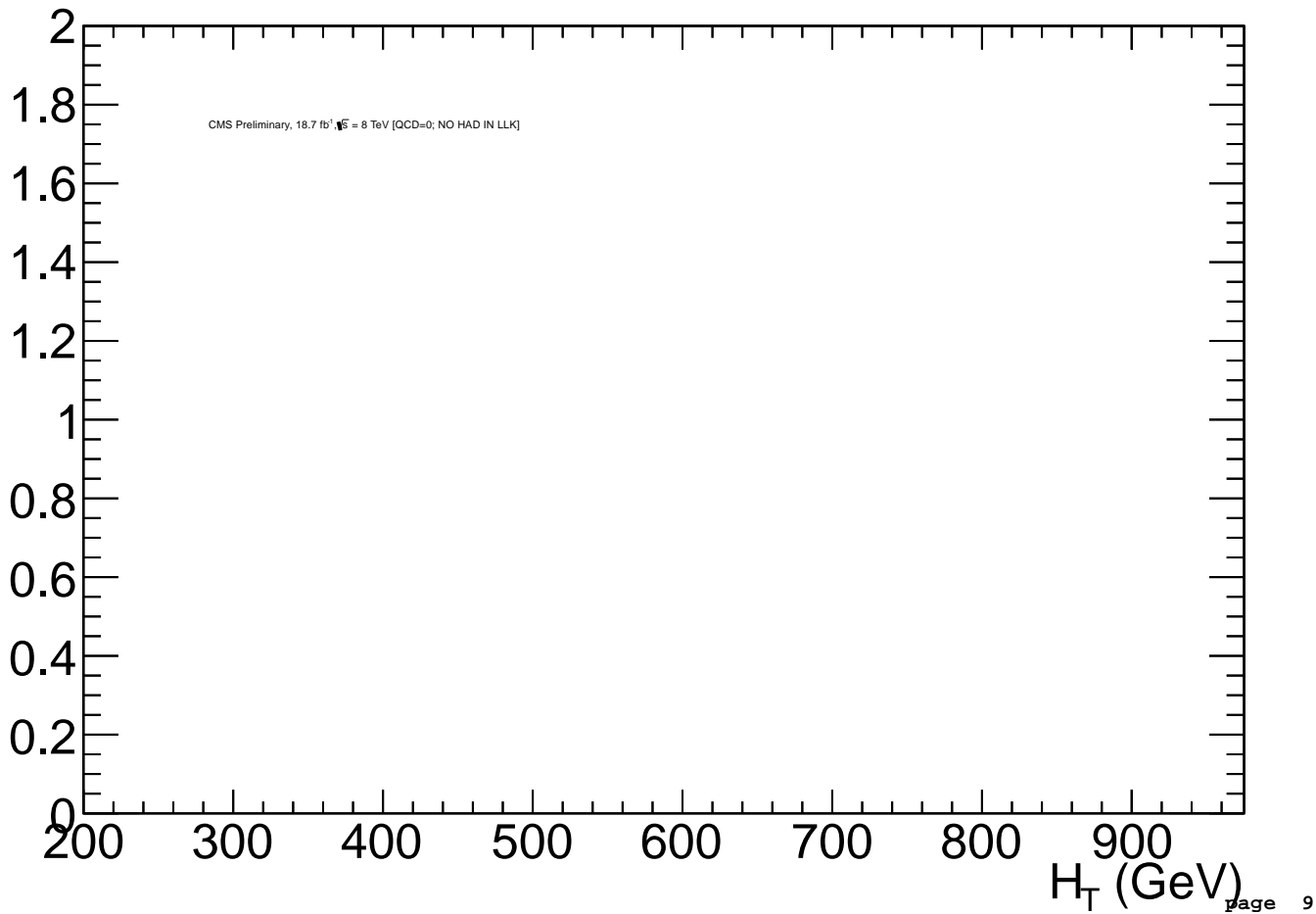
```
         par name:     value  +/-  error   [  min   -   max ]
-----------------------------------------------------------------
     ewk_2b_ge4j_0:   1.23e+01 +/- 9.8e-01  [0.0e+00 - 1.6e+02]
     ewk_2b_ge4j_1:   7.67e+01 +/- 5.0e+00  [0.0e+00 - 8.1e+02]
     ewk_2b_ge4j_2:   9.26e+01 +/- 1.0e+01  [0.0e+00 - 8.8e+02]
     ewk_2b_ge4j_3:   6.30e+01 +/- 7.0e+00  [0.0e+00 - 6.4e+02]
     ewk_2b_ge4j_4:   3.40e+01 +/- 3.9e+00  [0.0e+00 - 4.3e+02]
     ewk_2b_ge4j_5:   1.01e+01 +/- 1.9e+00  [0.0e+00 - 1.4e+02]
     ewk_2b_ge4j_6:   3.43e+00 +/- 6.8e-01  [0.0e+00 - 5.0e+01]
     ewk_2b_ge4j_7:   9.56e-01 +/- 2.2e-01  [0.0e+00 - 1.0e+01]
     ewk_2b_ge4j_8:   6.91e-01 +/- 1.6e-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 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_3:   1.00e+00 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_4:   1.00e+00 +/- 1.7e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge4j_5:   1.00e+00 +/- 1.7e-01  [0.0e+00 - 3.0e+00]
```

correlation_matrix