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

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

EWK Prediction $\pm$ Expected Unc.

Events / bin

H_T (GeV)

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

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

EWK Prediction $\pm$ Expected Unc.

Events / bin

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 $\geq$ 2)

EWK Prediction $\pm$ Expected Unc.

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; $n_j \geq$ 2)

EWK Prediction $\pm$ Expected Unc.

Events / bin

H_T (GeV)

ewk scale factor (result of fit)

CMS Preliminary, 18.7 fb⁻¹, √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; $n_j \geq$ 2)

EWK Prediction± Expected Unc.

R_{α_T}

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)
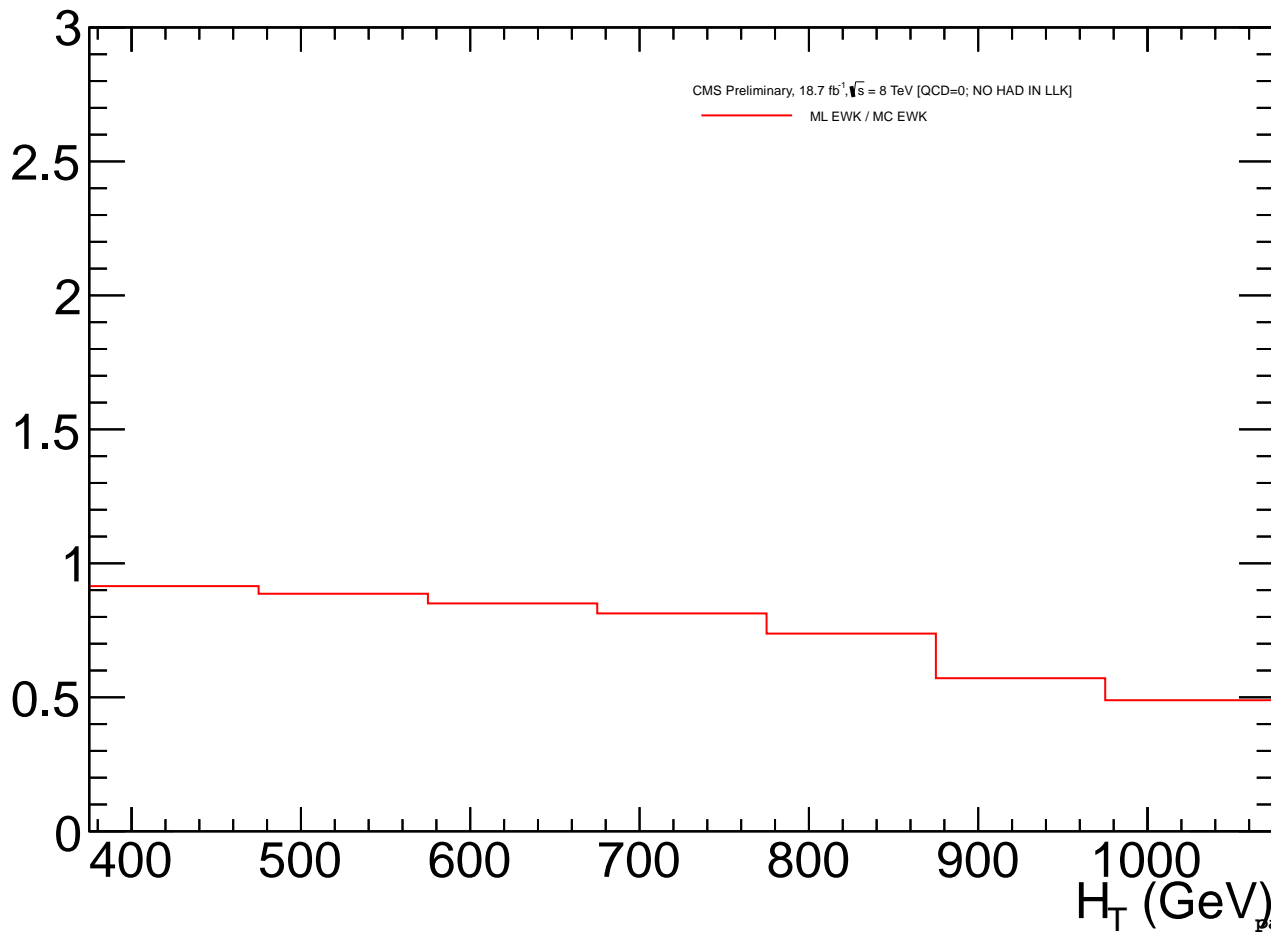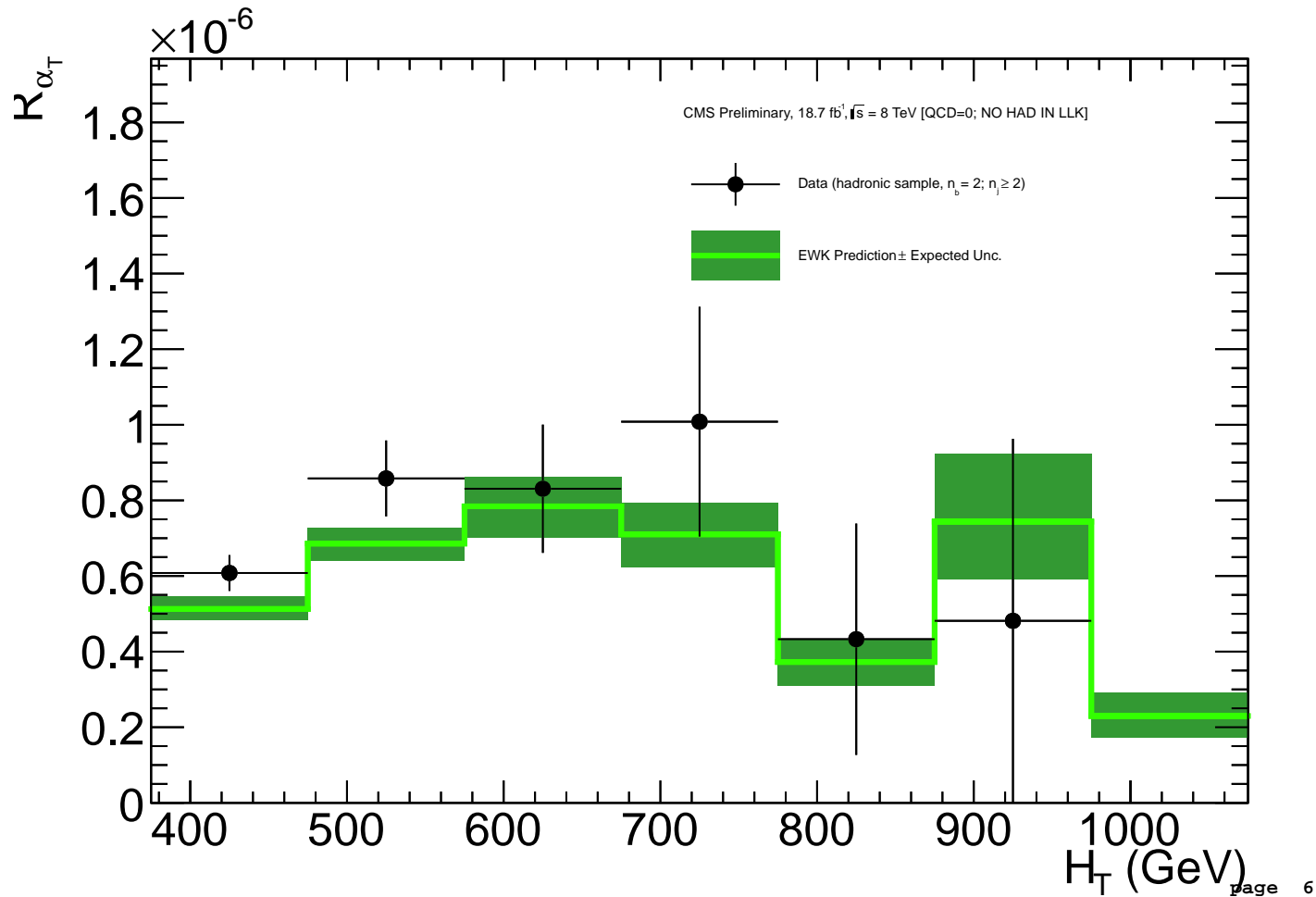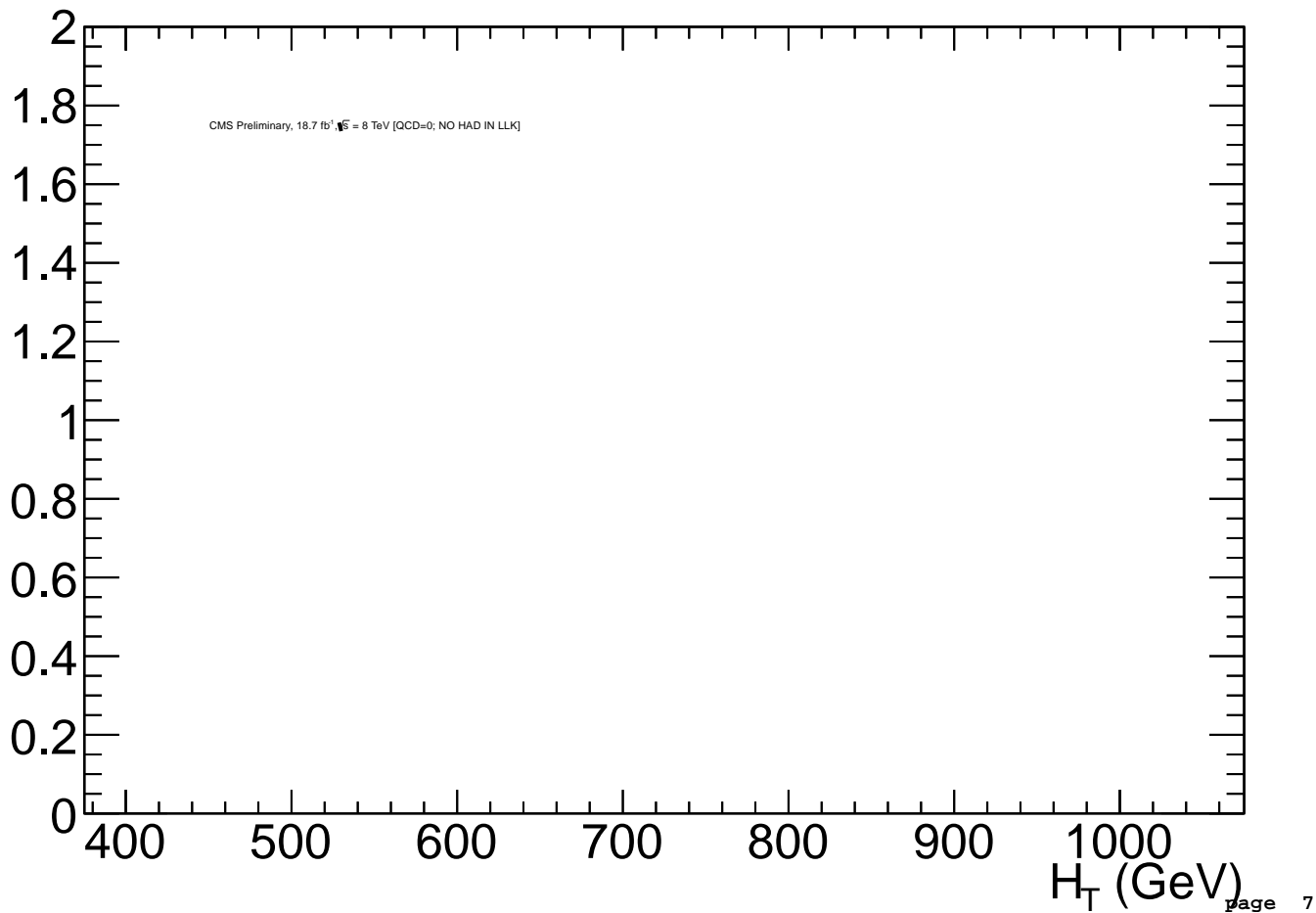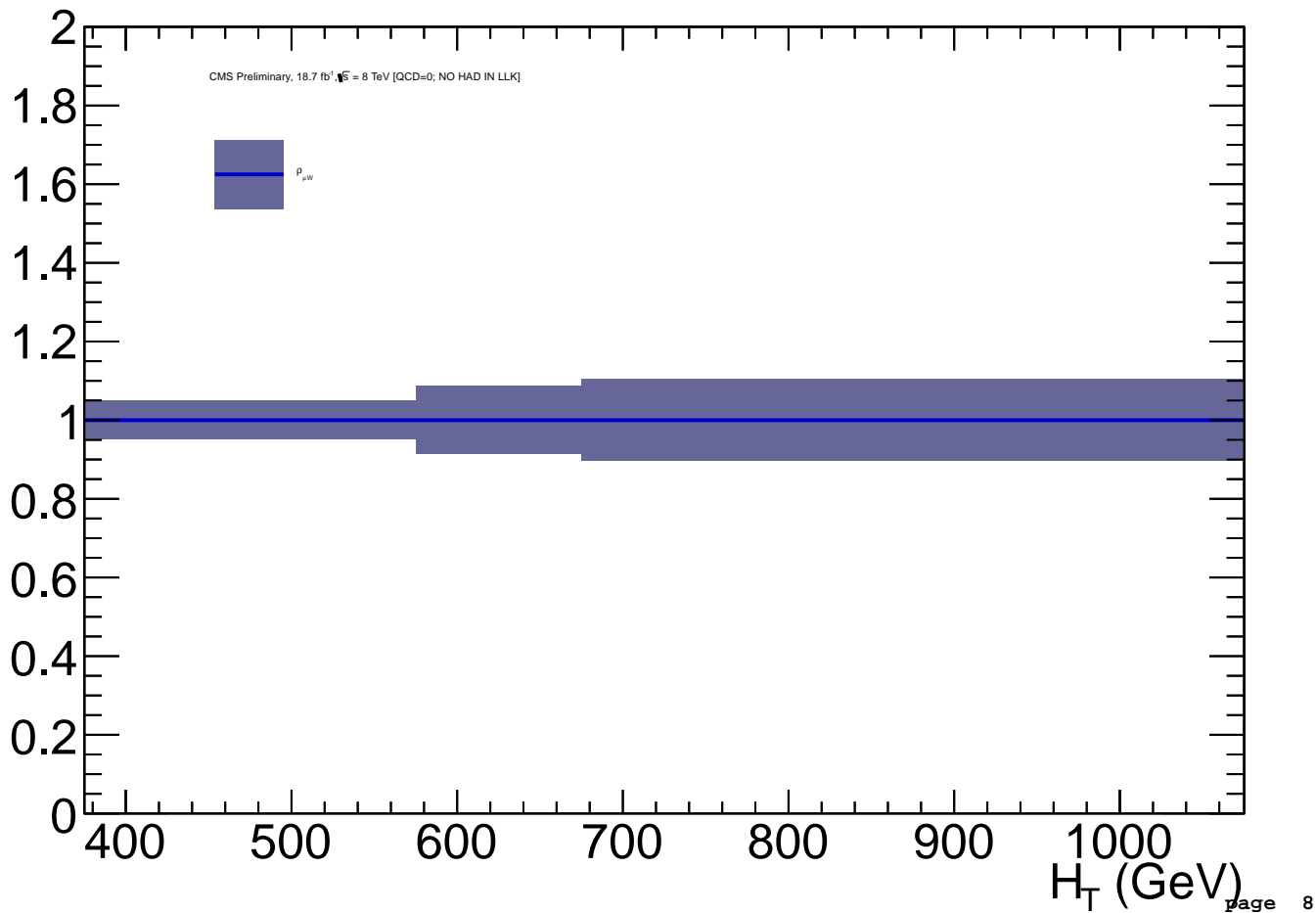
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           par name:    value  +/-  error   [  min   -   max  ]
---------------------------------------------------------------
     ewk_2b_ge2j_0:   1.39e+02 +/- 7.8e+00  [0.0e+00 - 1.6e+03]
     ewk_2b_ge2j_1:   5.84e+01 +/- 3.6e+00  [0.0e+00 - 7.3e+02]
     ewk_2b_ge2j_2:   2.27e+01 +/- 2.3e+00  [0.0e+00 - 2.4e+02]
     ewk_2b_ge2j_3:   7.75e+00 +/- 1.0e+00  [0.0e+00 - 1.1e+02]
     ewk_2b_ge2j_4:   1.72e+00 +/- 2.8e-01  [0.0e+00 - 2.0e+01]
     ewk_2b_ge2j_5:   1.55e+00 +/- 3.3e-01  [0.0e+00 - 1.0e+01]
     ewk_2b_ge2j_6:   5.14e-01 +/- 1.4e-01  [0.0e+00 - 1.0e+01]
rhoMuonW_2b_ge2j_0:   1.00e+00 +/- 4.9e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_1:   1.00e+00 +/- 4.9e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_2:   1.00e+00 +/- 8.6e-02  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_3:   1.00e+00 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_4:   1.00e+00 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_5:   1.00e+00 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
rhoMuonW_2b_ge2j_6:   1.00e+00 +/- 1.0e-01  [0.0e+00 - 3.0e+00]
```

correlation_matrix