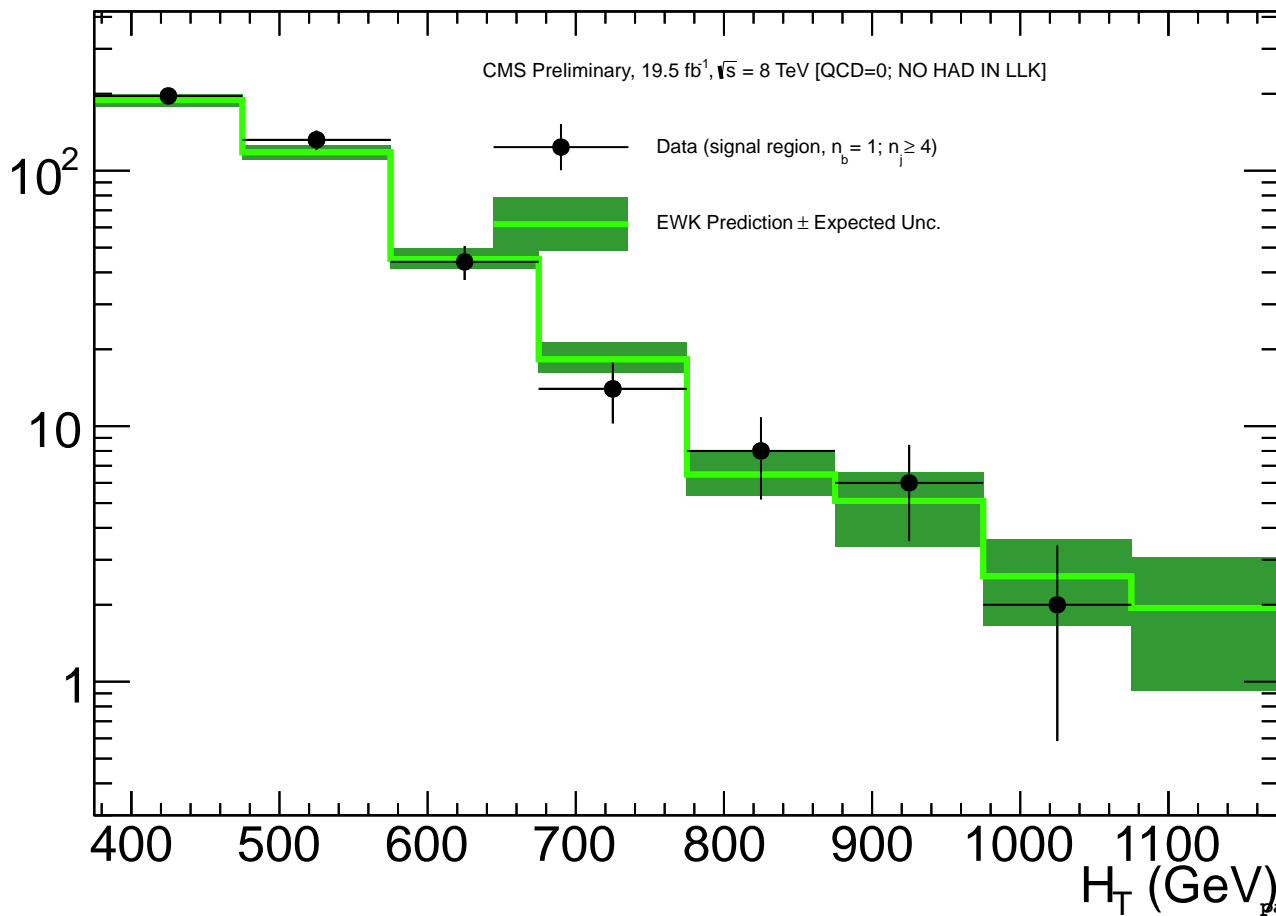
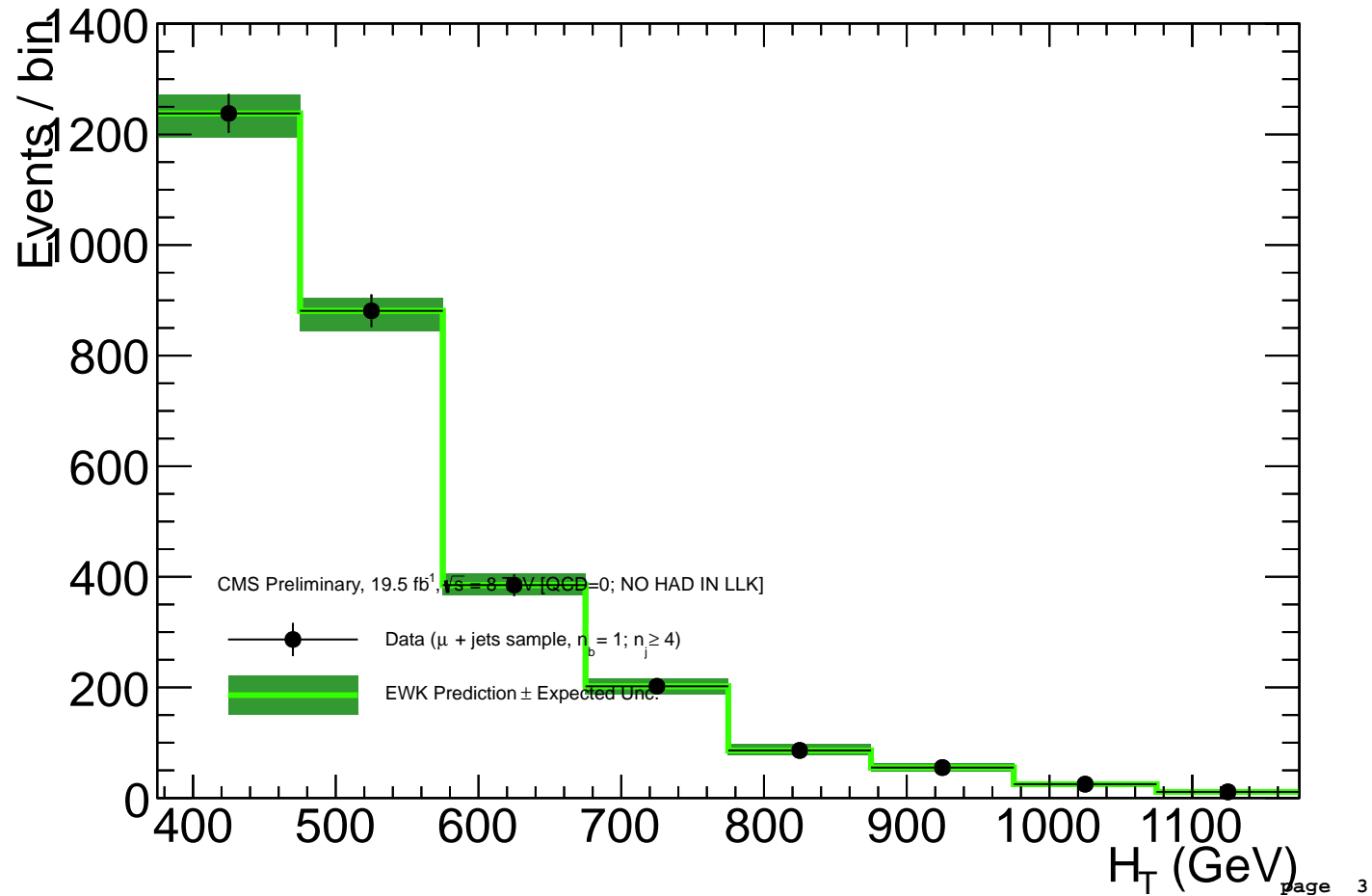
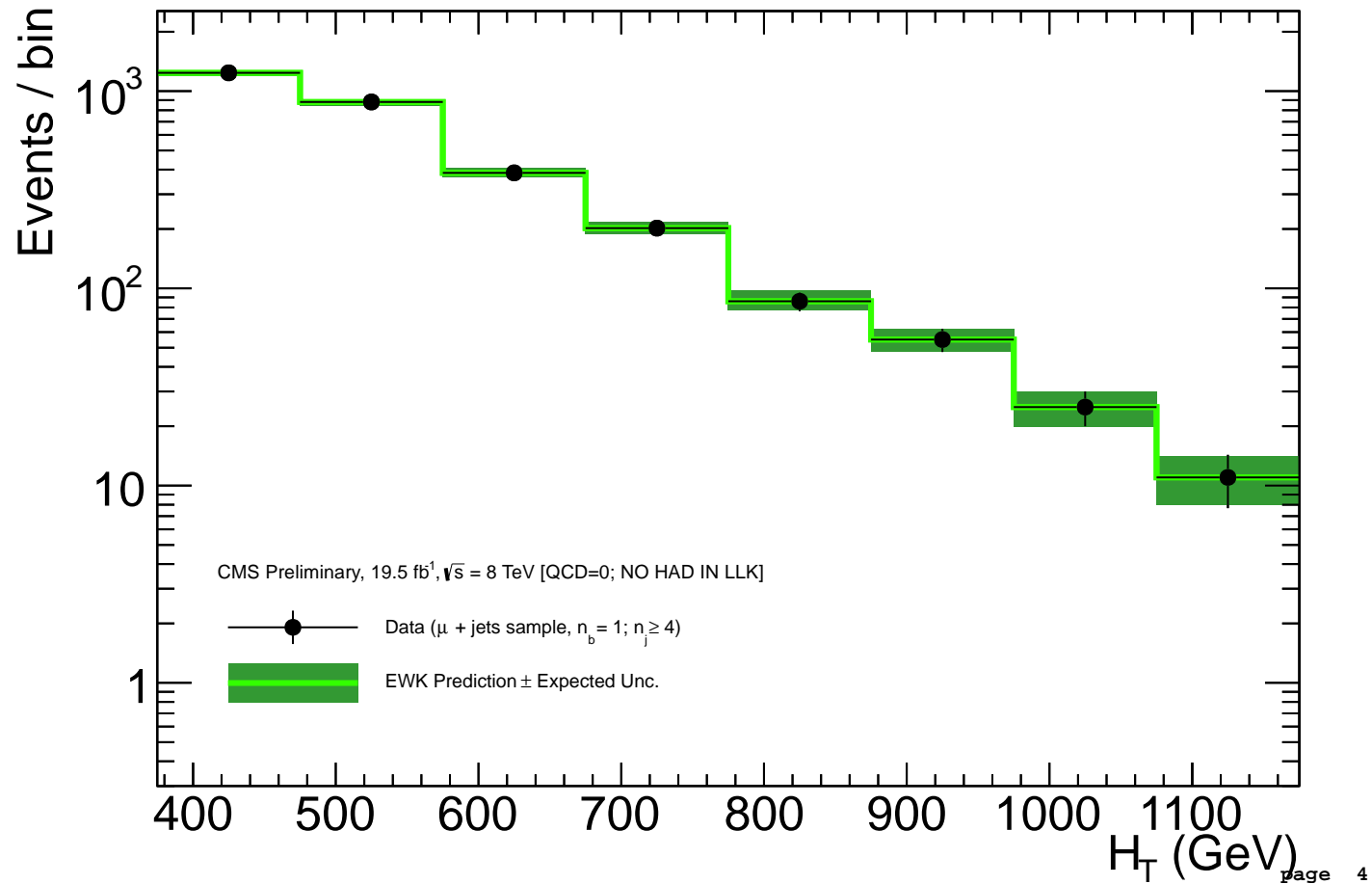


Events / bin







Events / bin

CMS Preliminary, 19.5 fb⁻¹, $\sqrt{s} = 8$ TeV [QCD=0; NO HAD IN LLK]

—●— Data (γ + jets sample, $n_b = 1$; $n_j \geq 4$)

EWK Prediction \pm Expected Unc.

100

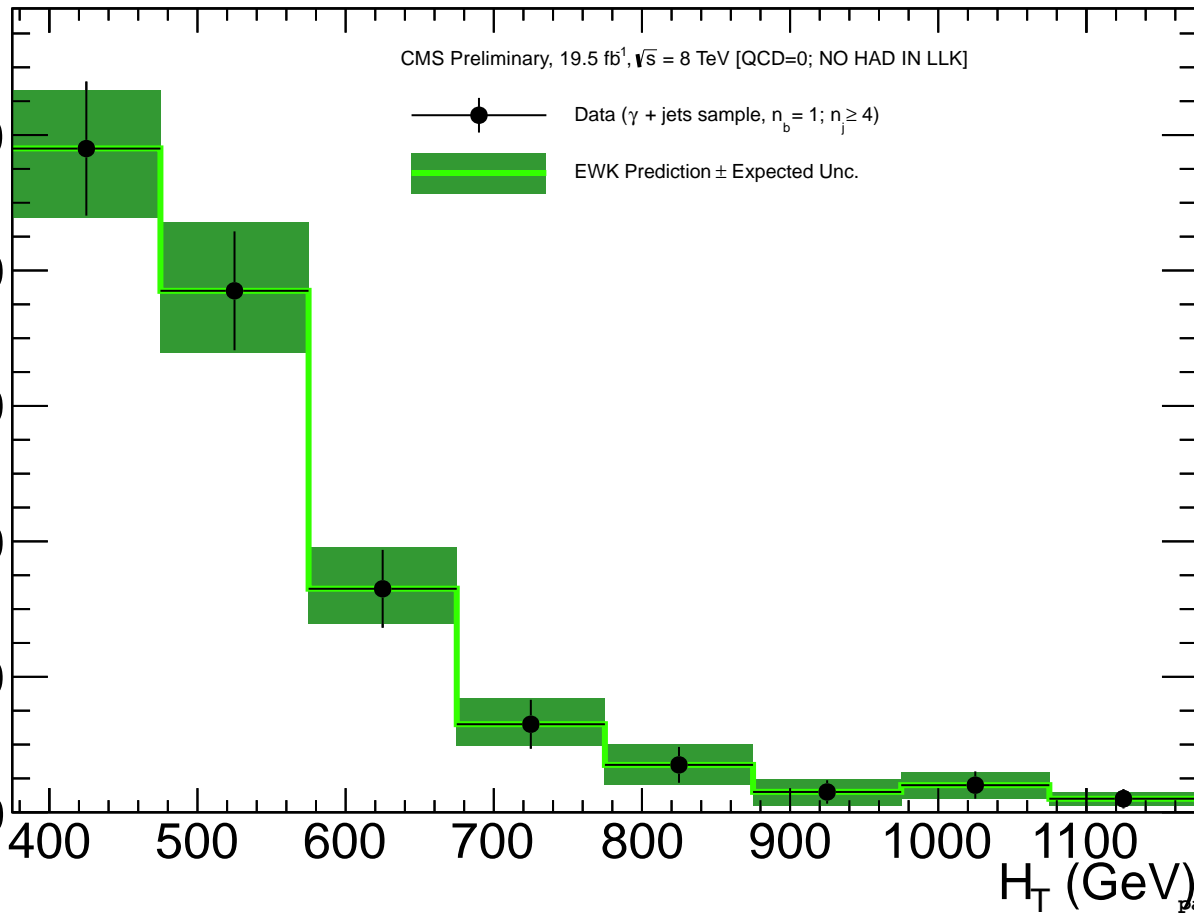
80

60

40

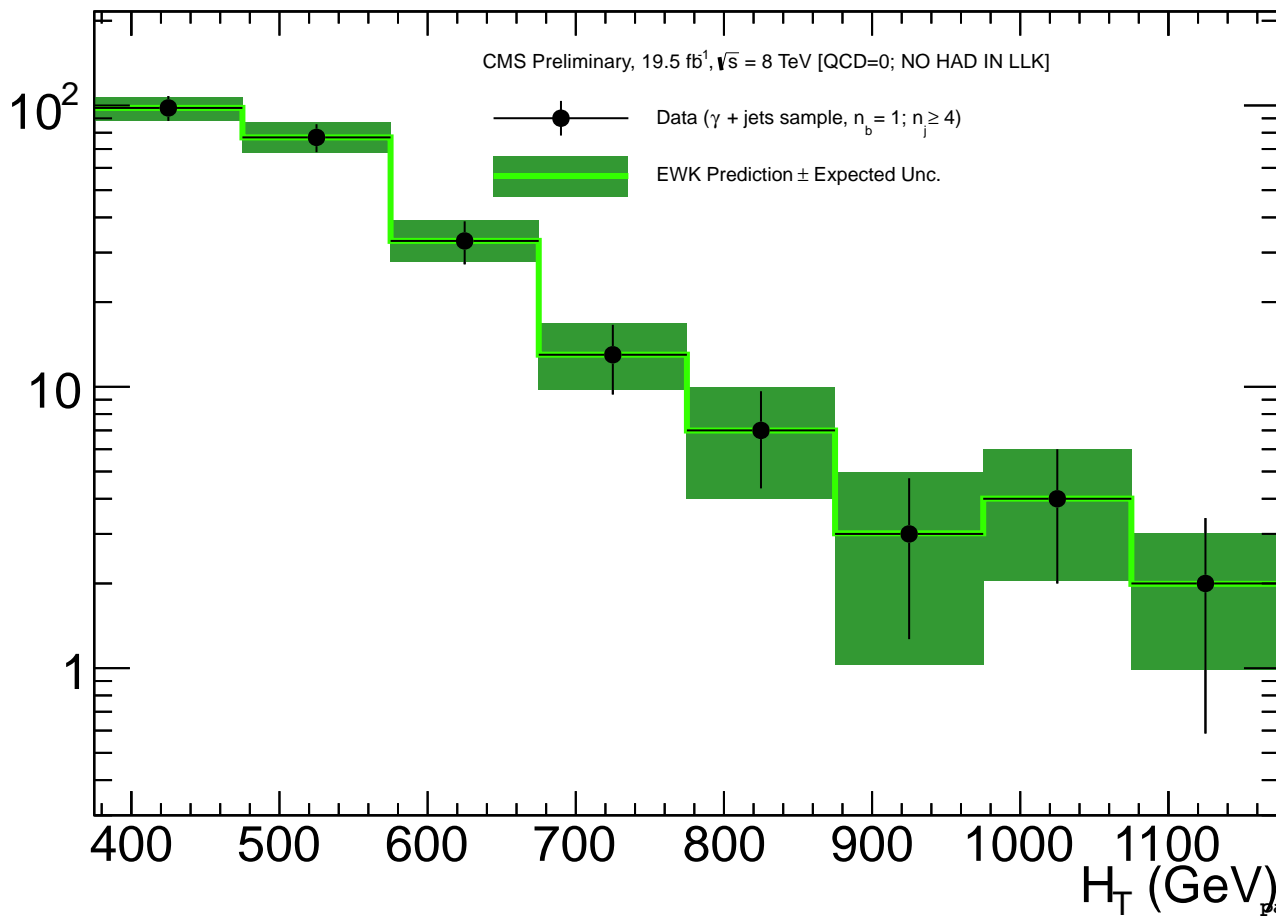
20

0

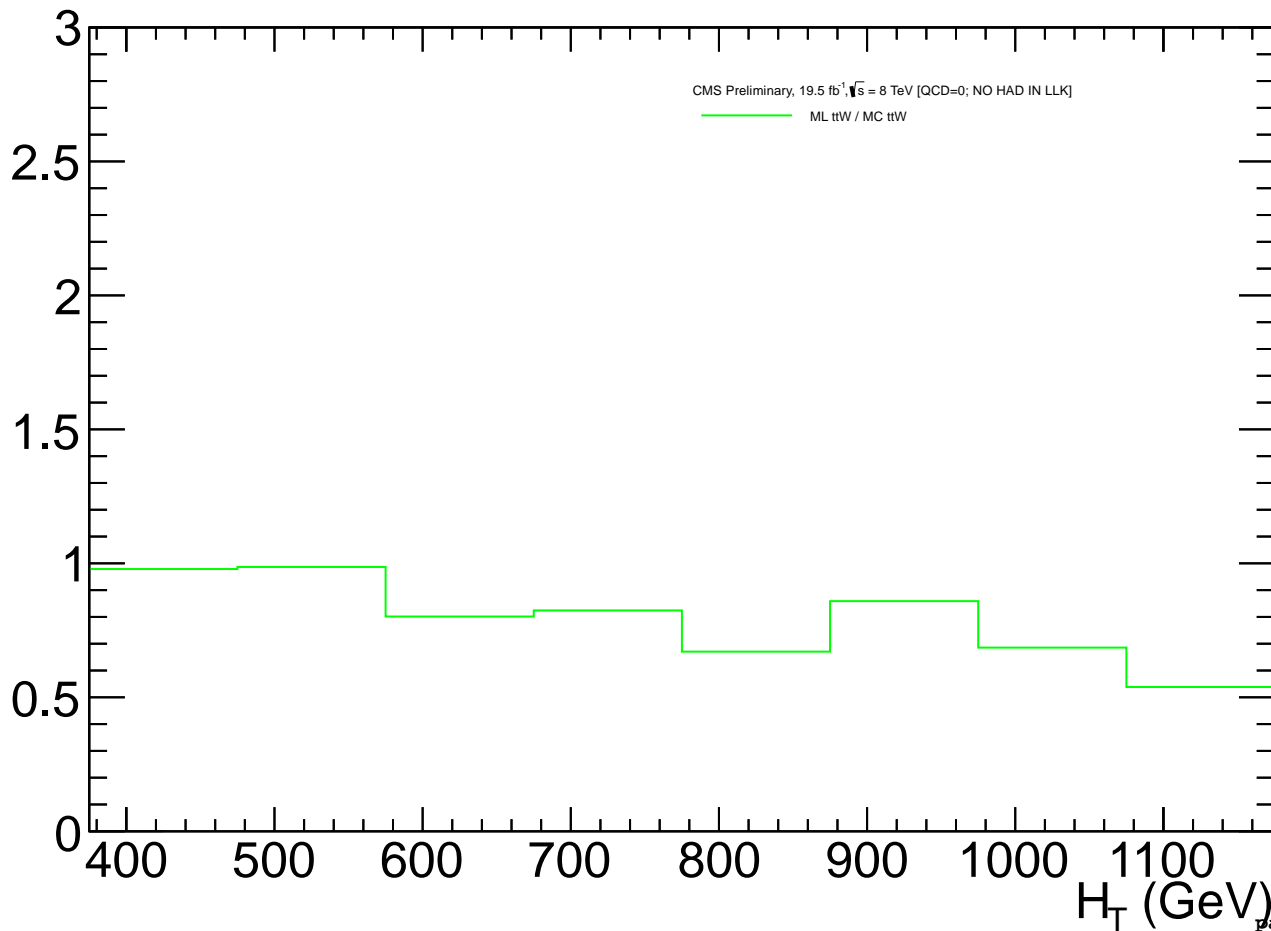


H_T (GeV)

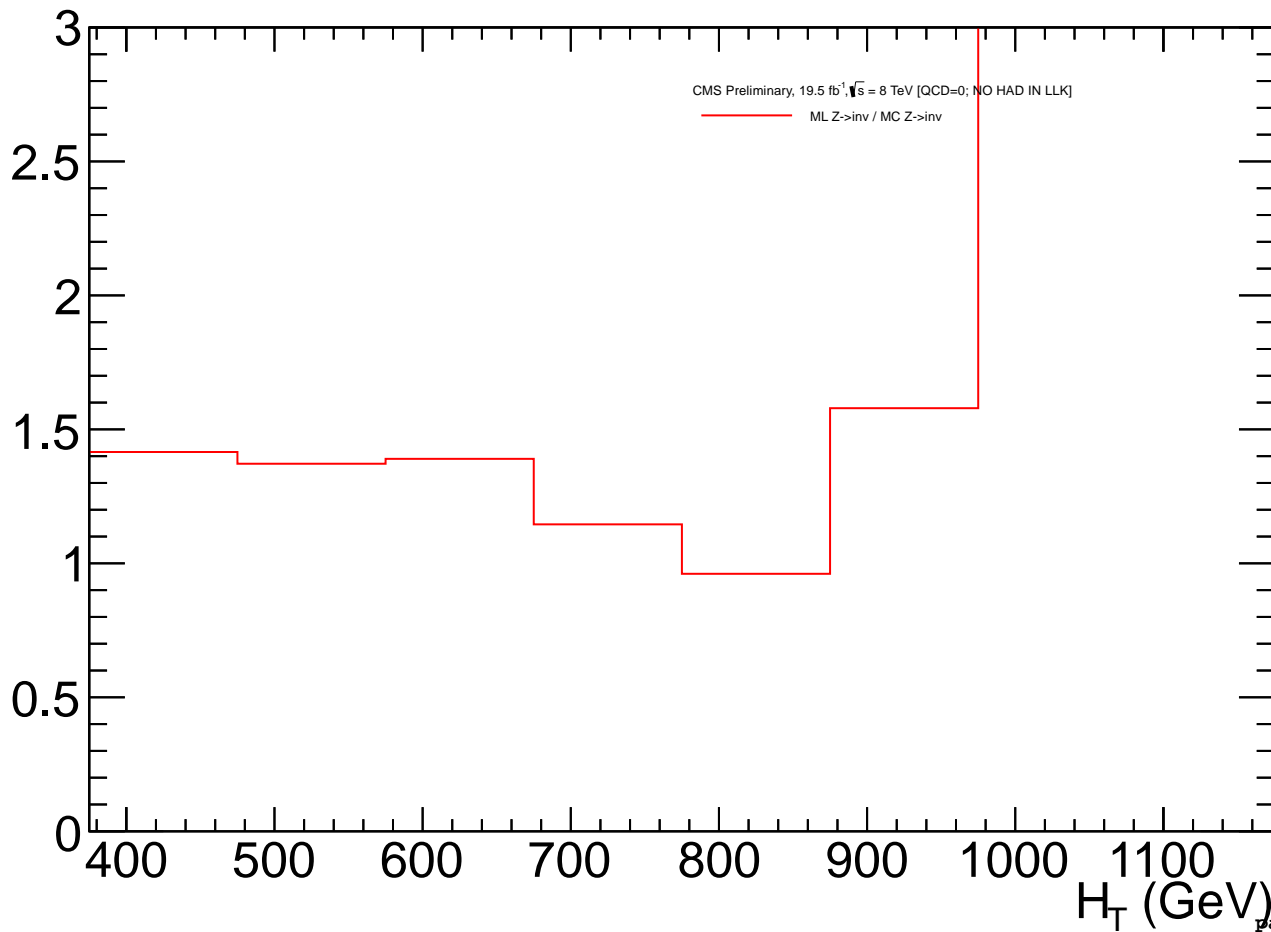
Events / bin



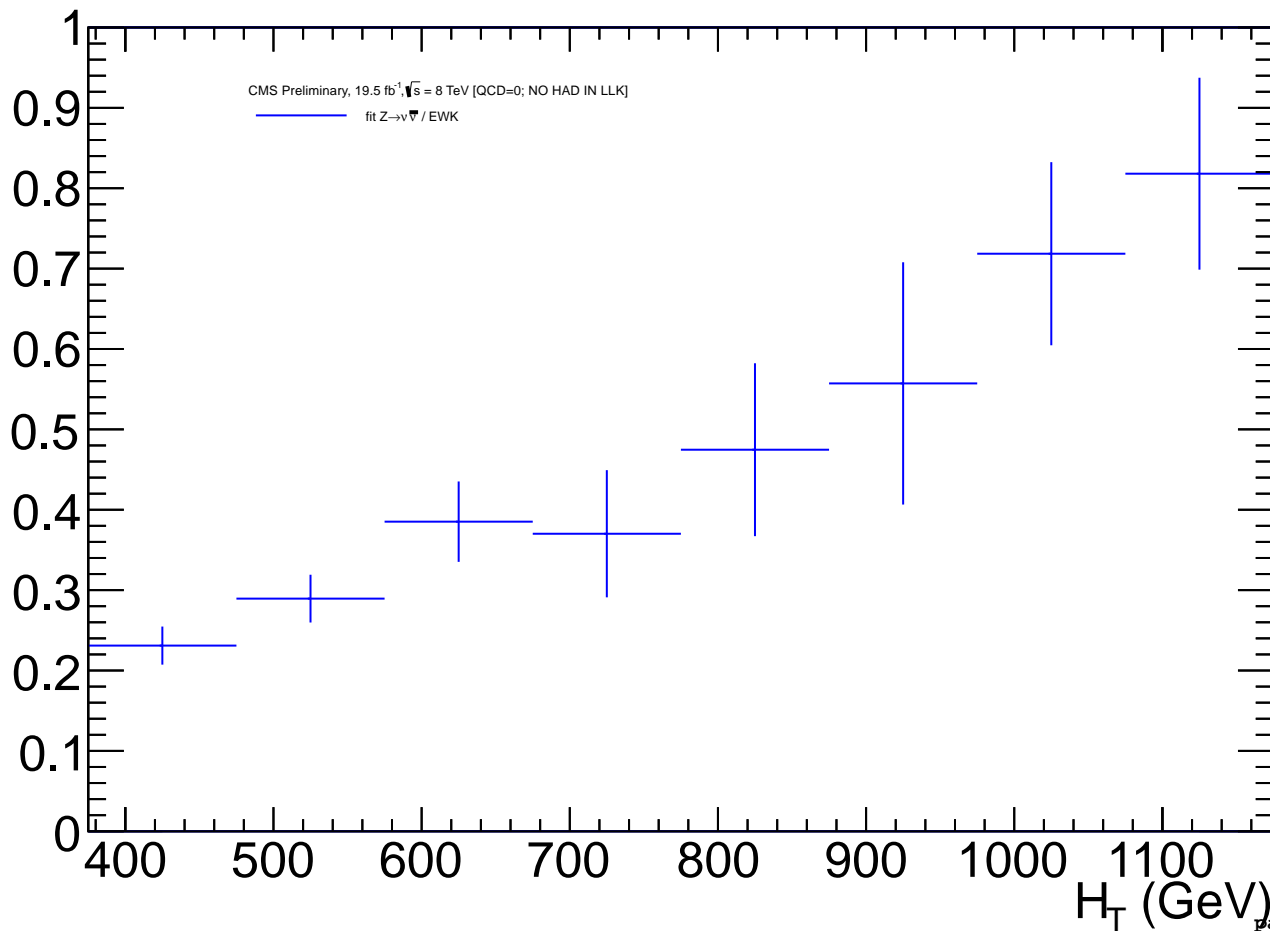
ttW scale factor (result of fit)

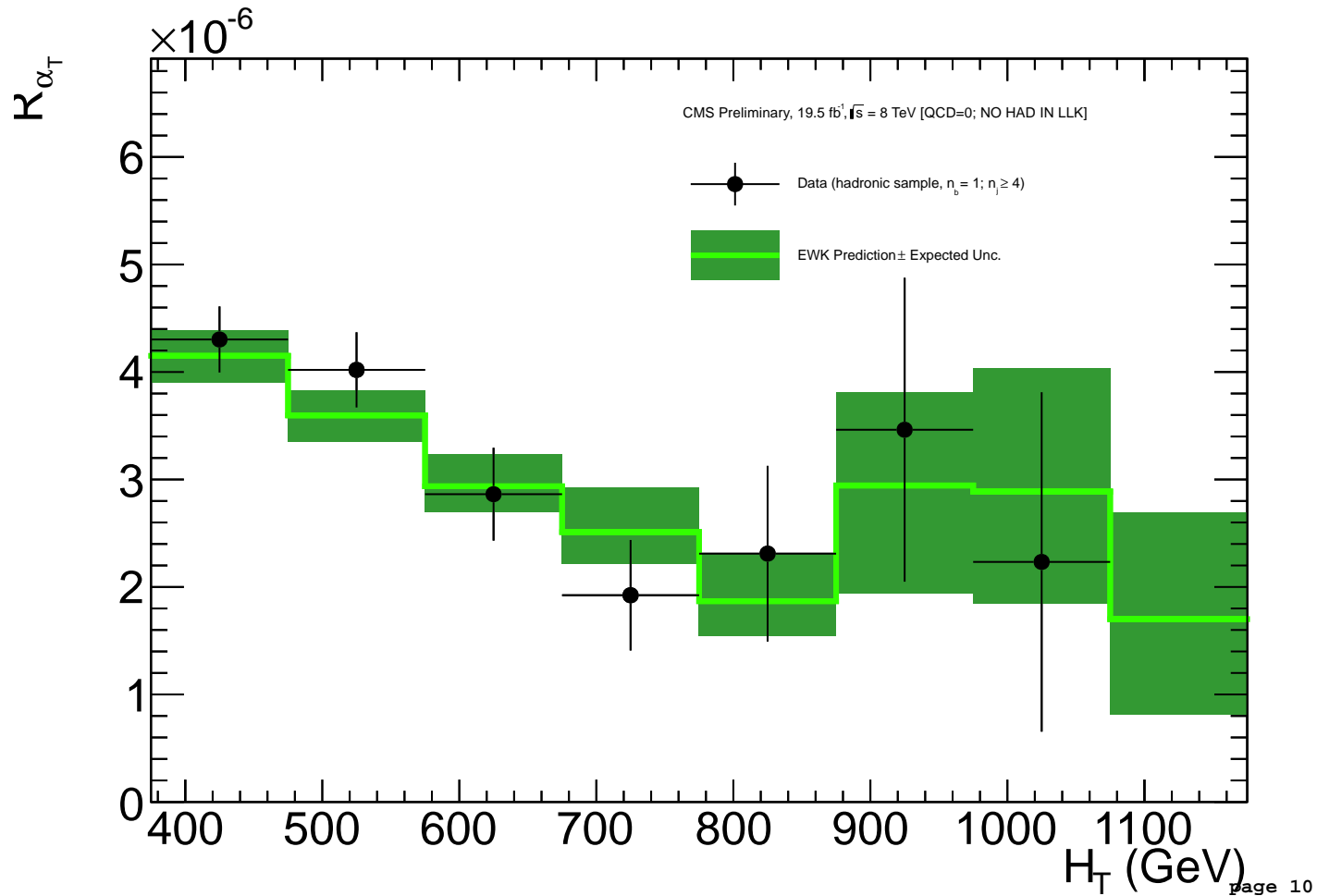


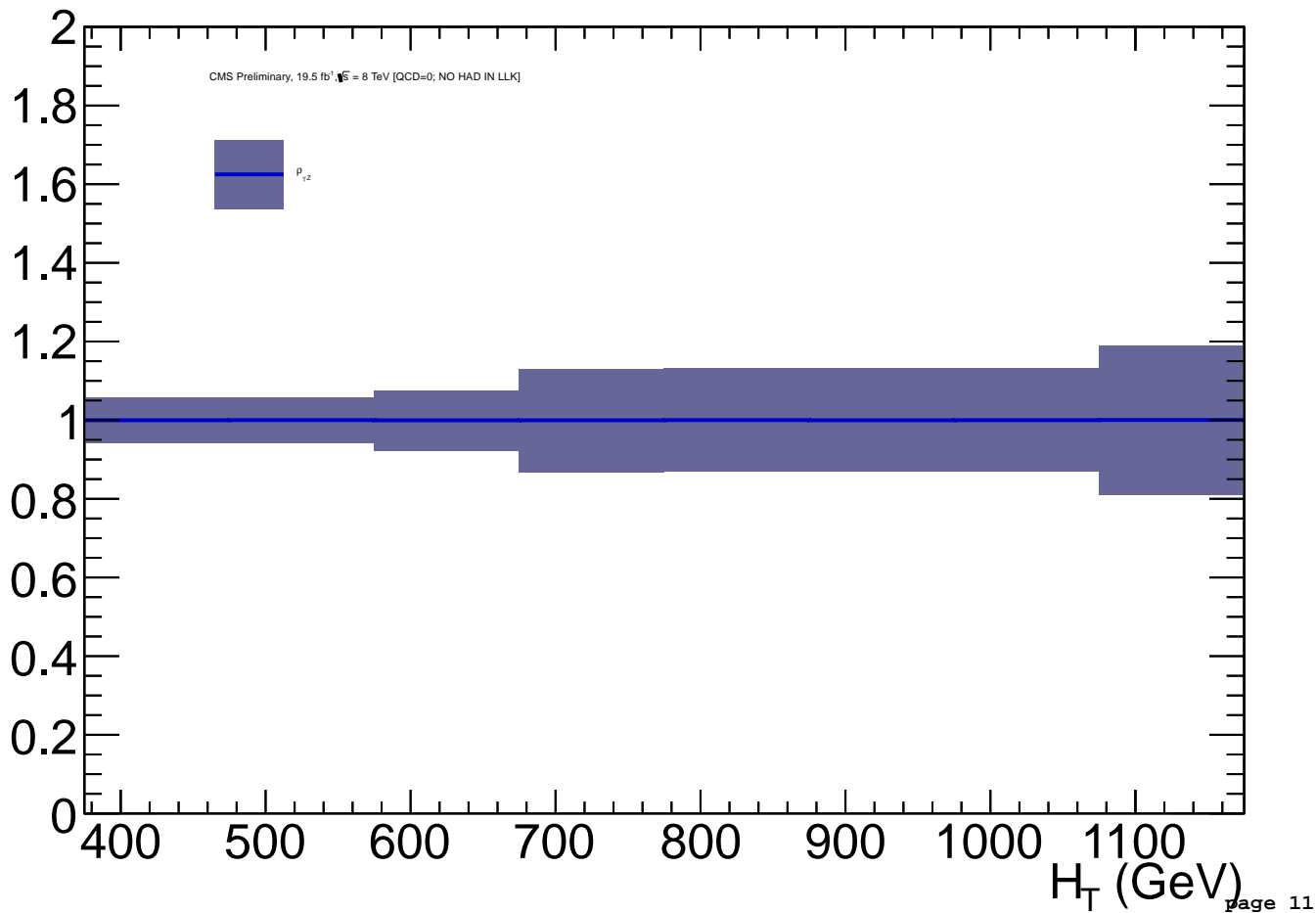
Zinv scale factor (result of fit)

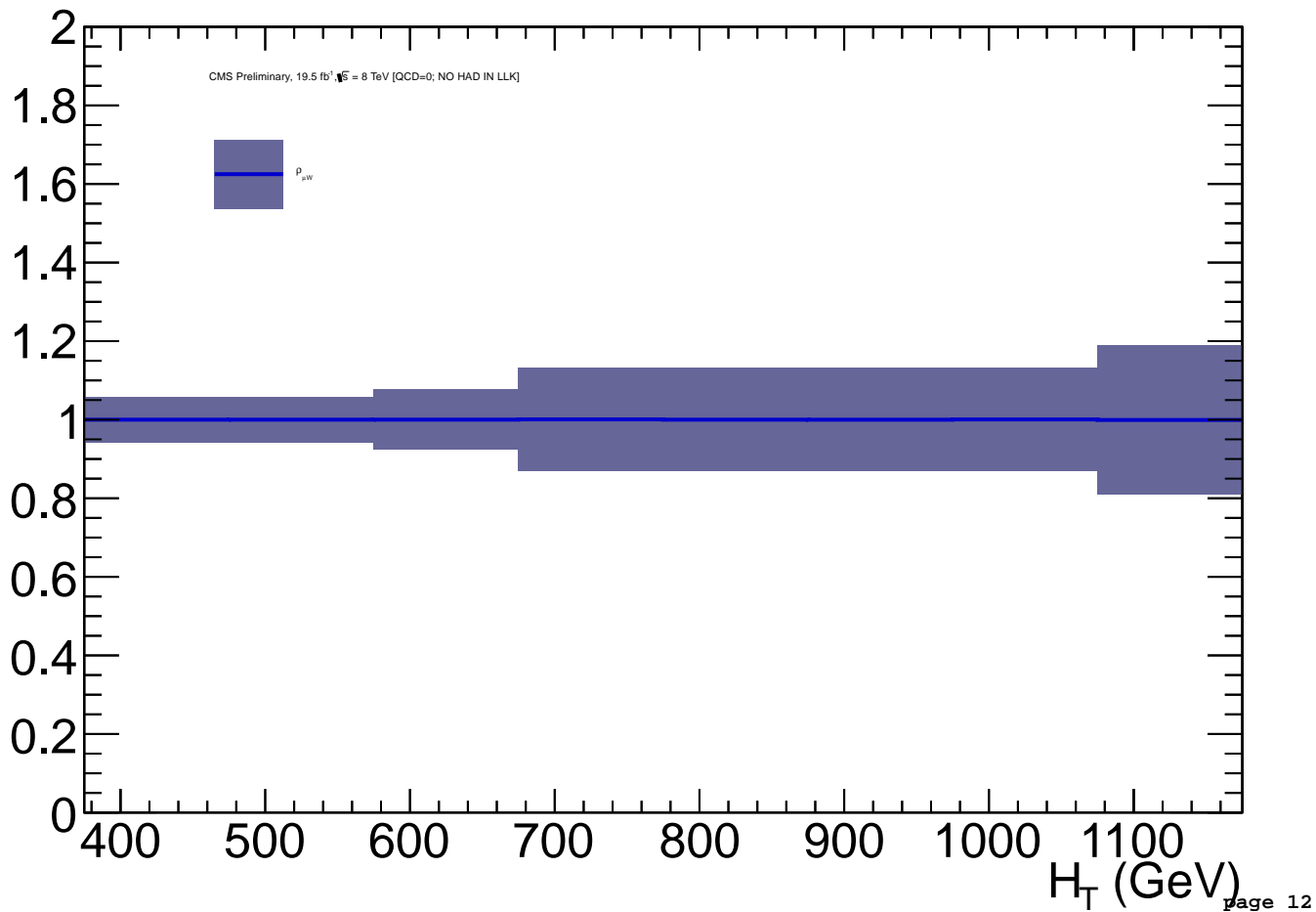


fraction of EWK background which is Zinv (result of fit)









par name:	value	+/-	error	[min - max]

ewk_lb_ge4j_0:	1.89e+02	+/-	1.1e+01	[0.0e+00 - 2.0e+03]
fZinv_lb_ge4j_0:	2.31e-01	+/-	2.4e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_1:	1.18e+02	+/-	7.1e+00	[0.0e+00 - 1.3e+03]
fZinv_lb_ge4j_1:	2.89e-01	+/-	3.0e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_2:	4.51e+01	+/-	4.2e+00	[0.0e+00 - 4.4e+02]
fZinv_lb_ge4j_2:	3.85e-01	+/-	5.0e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_3:	1.83e+01	+/-	2.7e+00	[0.0e+00 - 1.4e+02]
fZinv_lb_ge4j_3:	3.70e-01	+/-	7.9e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_4:	6.47e+00	+/-	1.4e+00	[0.0e+00 - 8.0e+01]
fZinv_lb_ge4j_4:	4.75e-01	+/-	1.1e-01	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_5:	5.10e+00	+/-	1.7e+00	[0.0e+00 - 6.0e+01]
fZinv_lb_ge4j_5:	5.57e-01	+/-	1.5e-01	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_6:	2.59e+00	+/-	9.7e-01	[0.0e+00 - 2.0e+01]
fZinv_lb_ge4j_6:	7.19e-01	+/-	1.1e-01	[0.0e+00 - 1.0e+00]
ewk_lb_ge4j_7:	1.94e+00	+/-	1.2e+00	[0.0e+00 - 1.0e+01]
fZinv_lb_ge4j_7:	8.18e-01	+/-	1.2e-01	[0.0e+00 - 1.0e+00]
rhoPhotZ_lb_ge4j_0:	1.00e+00	+/-	5.8e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_1:	1.00e+00	+/-	5.8e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_2:	1.00e+00	+/-	7.7e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_3:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_4:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_5:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_6:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge4j_7:	1.00e+00	+/-	1.9e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_0:	1.00e+00	+/-	5.8e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_1:	1.00e+00	+/-	5.8e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_2:	1.00e+00	+/-	7.7e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_3:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_4:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_5:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_6:	1.00e+00	+/-	1.3e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge4j_7:	9.99e-01	+/-	1.9e-01	[0.0e+00 - 3.0e+00]

correlation_matrix

