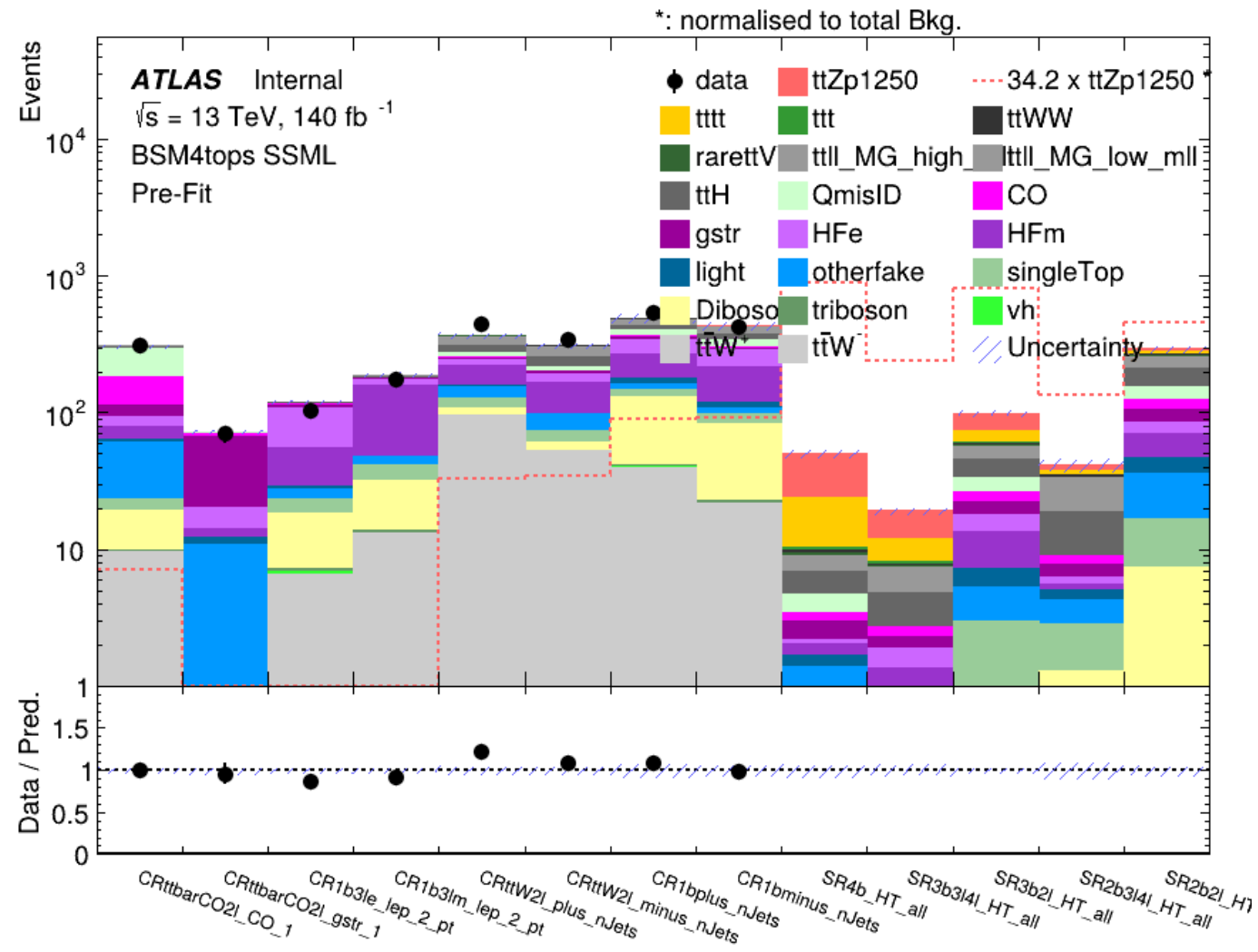
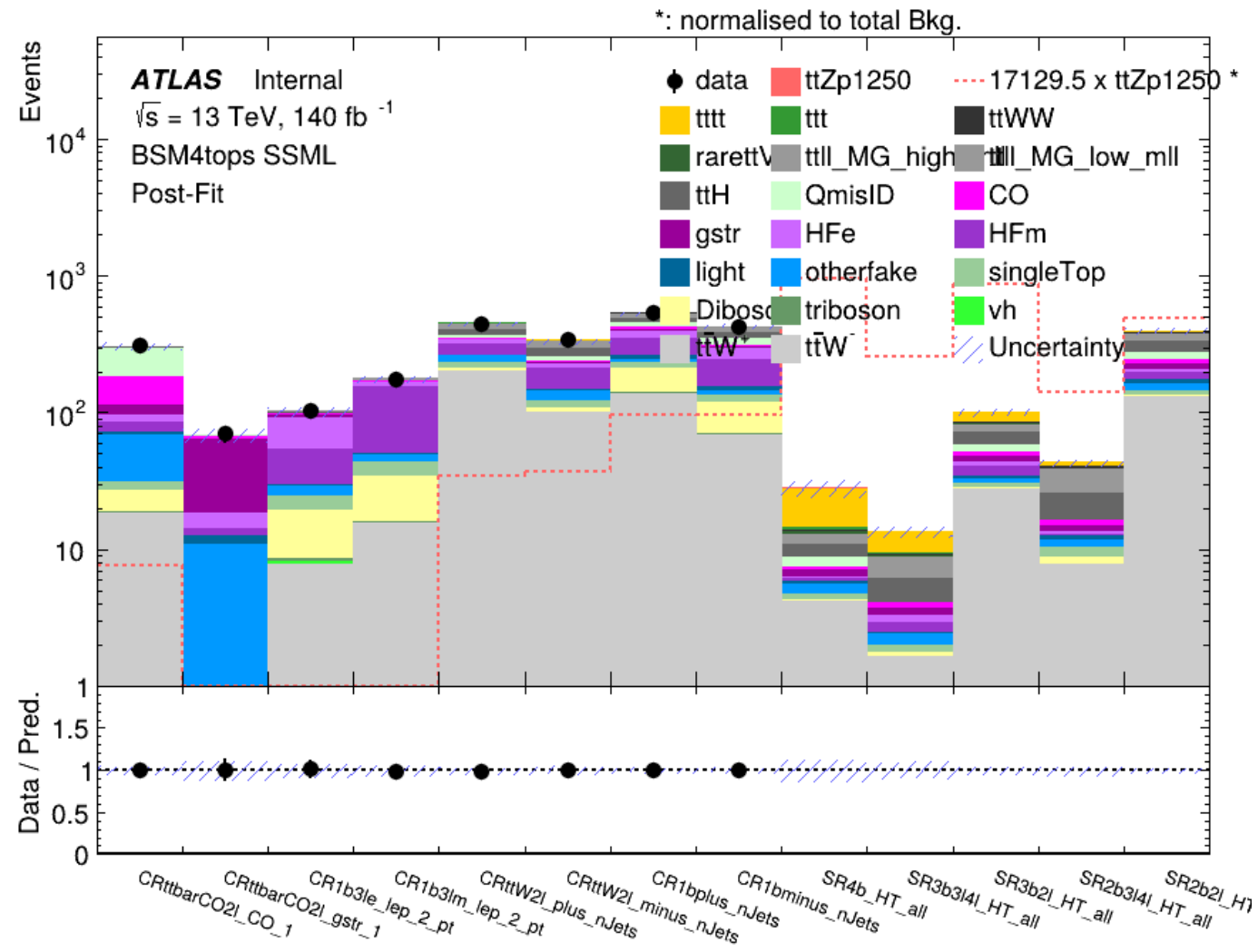


Blinded fit, $m_{Zp}=1250$ GeV

Pre-fit

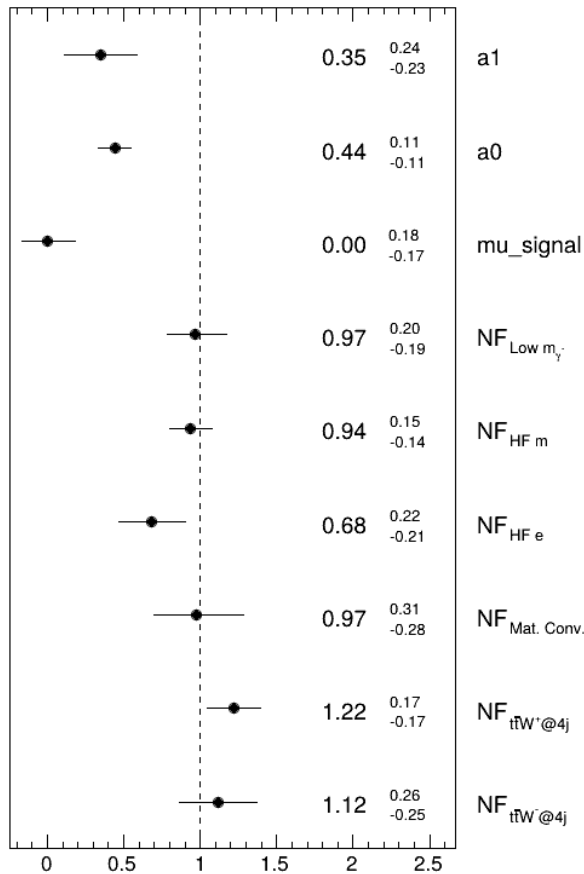


Post-fit

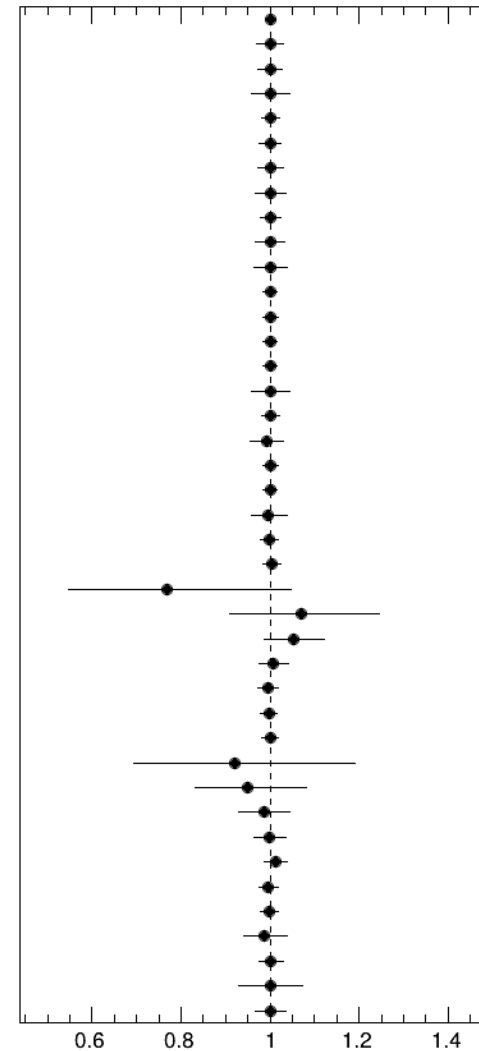


NFs & gamma

ATLAS Internal



ATLAS Internal

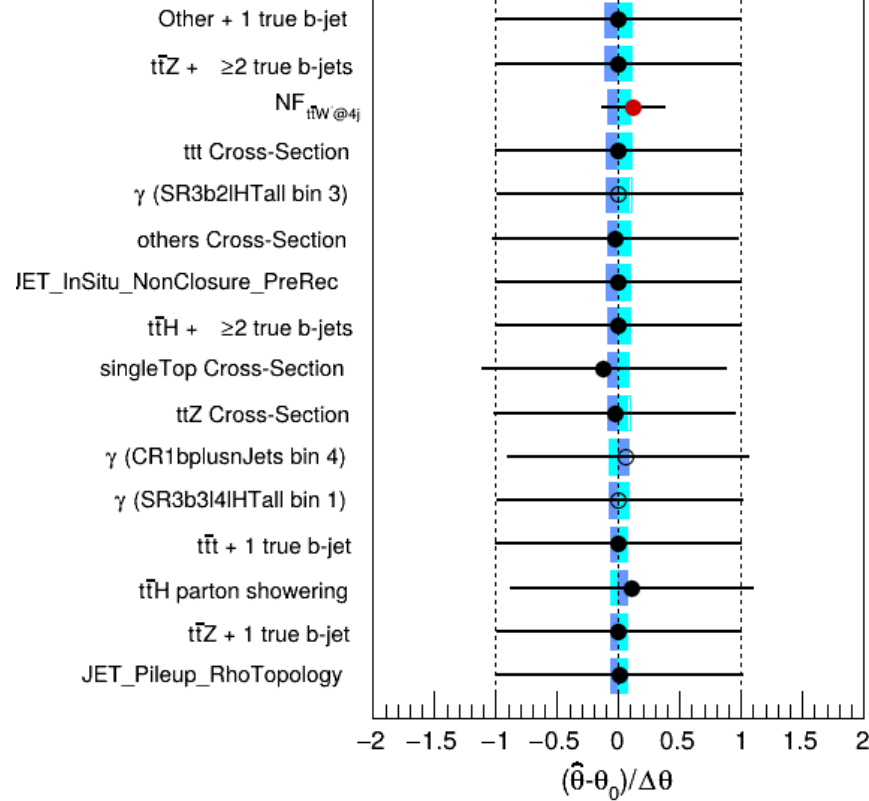
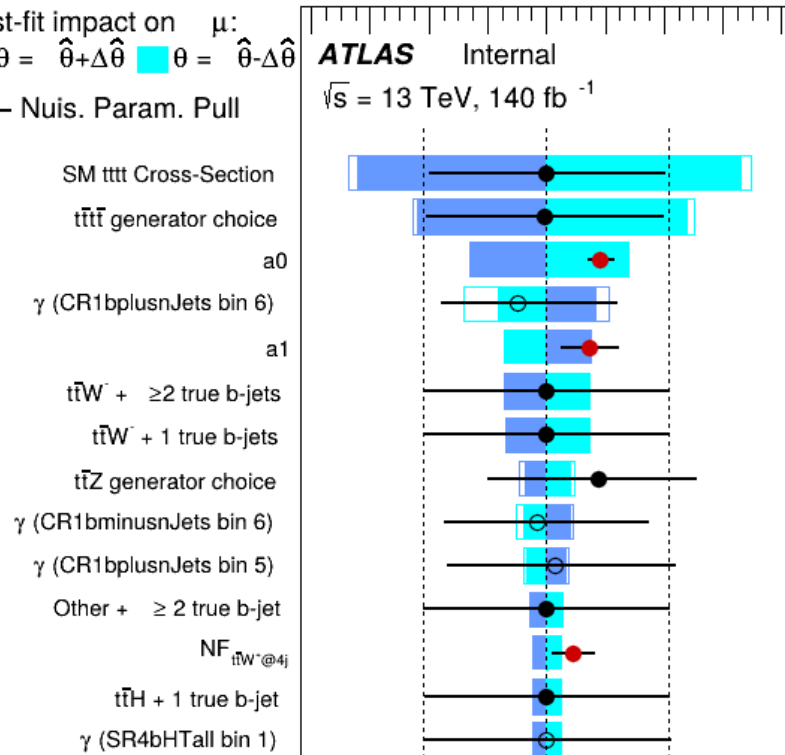


γ SR4b HT all bin 0001
 γ SR4b HT all bin 0000
 γ SR3b3l4l HT all bin 0001
 γ SR3b3l4l HT all bin 0000
 γ SR3b2l HT all bin 0003
 γ SR3b2l HT all bin 0002
 γ SR3b2l HT all bin 0001
 γ SR3b2l HT all bin 0000
 γ SR2b3l4l HT all bin 0002
 γ SR2b3l4l HT all bin 0001
 γ SR2b3l4l HT all bin 0000
 γ SR2b2l HT all bin 0003
 γ SR2b2l HT all bin 0002
 γ SR2b2l HT all bin 0001
 γ SR2b2l HT all bin 0000
 γ CRttbarCO2l gstr 1 bin 0000
 γ CRttbarCO2l CO 1 bin 0000
 γ CRttW2l plus nJets bin 0002
 γ CRttW2l plus nJets bin 0001
 γ CRttW2l plus nJets bin 0000
 γ CRttW2l minus nJets bin 0002
 γ CRttW2l minus nJets bin 0001
 γ CRttW2l minus nJets bin 0000
 γ CR1bplus nJets bin 0006
 γ CR1bplus nJets bin 0005
 γ CR1bplus nJets bin 0004
 γ CR1bplus nJets bin 0003
 γ CR1bplus nJets bin 0002
 γ CR1bplus nJets bin 0001
 γ CR1bplus nJets bin 0000
 γ CR1bminus nJets bin 0006
 γ CR1bminus nJets bin 0005
 γ CR1bminus nJets bin 0004
 γ CR1bminus nJets bin 0003
 γ CR1bminus nJets bin 0002
 γ CR1bminus nJets bin 0001
 γ CR1bminus nJets bin 0000
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 γ CR1b3lm lep 2 pt bin 0000
 γ CR1b3le lep 2 pt bin 0001
 γ CR1b3le lep 2 pt bin 0000

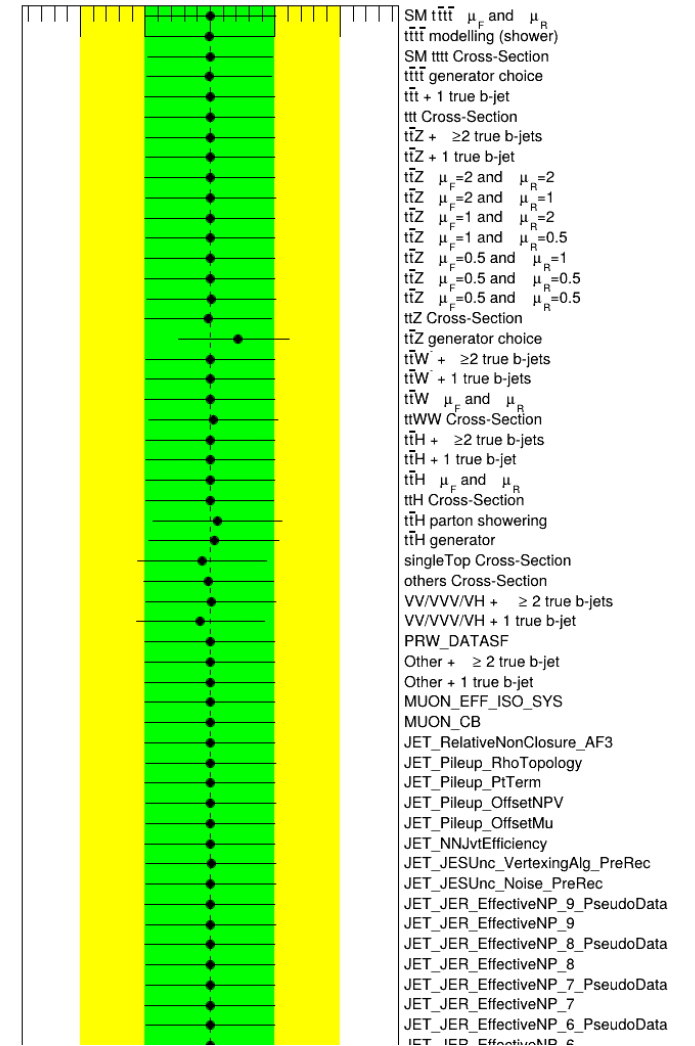
Pull plots

Pre-fit impact on μ :
 $\square \theta = \hat{\theta} + \Delta\theta$ $\square \theta = \hat{\theta} - \Delta\theta$ $\Delta\mu$ 0.08 0.06 0.04 0.02 0 0.02 0.04 0.06 0.08

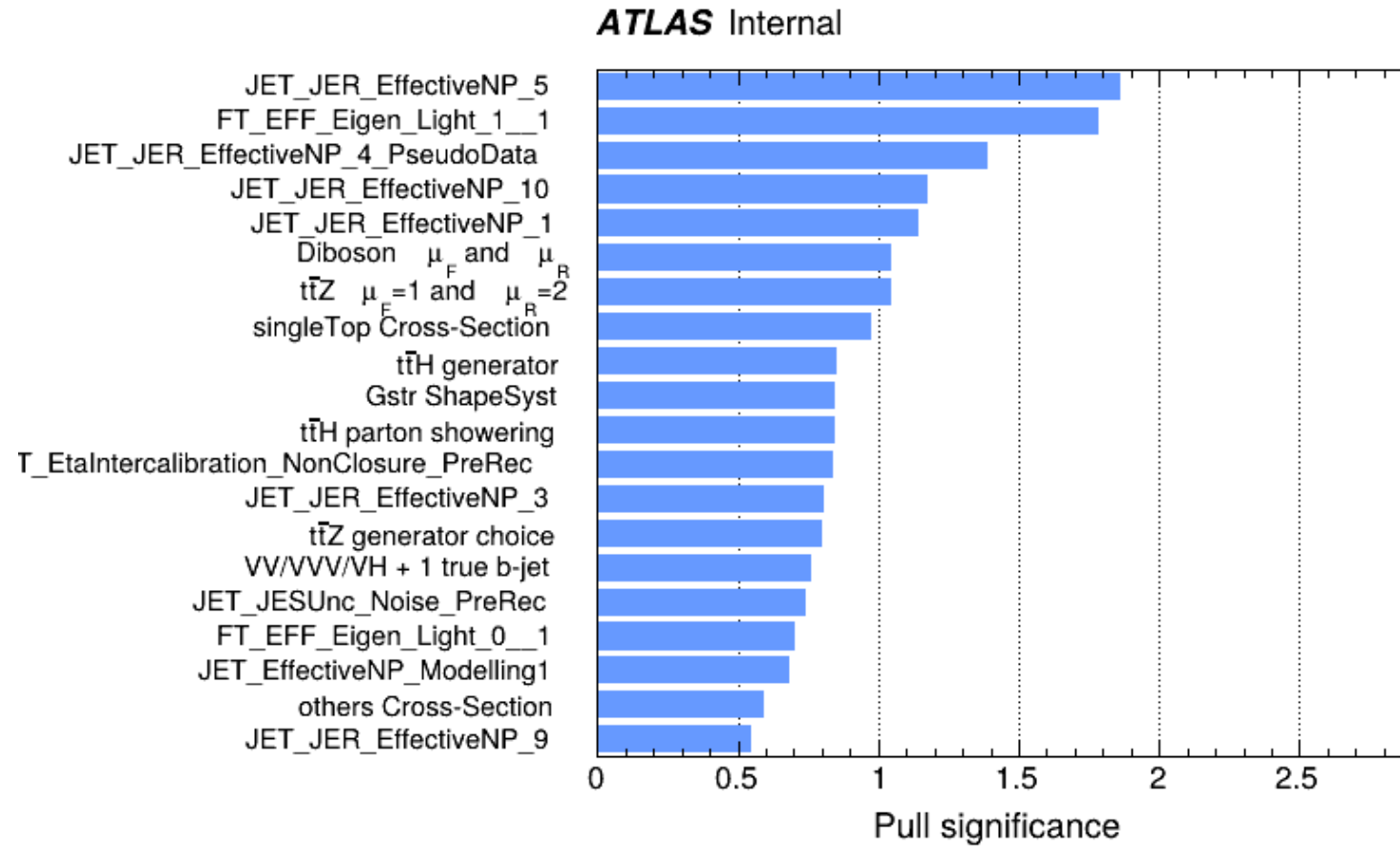
Post-fit impact on μ :
 $\blacksquare \theta = \hat{\theta} + \Delta\hat{\theta}$ $\blacksquare \theta = \hat{\theta} - \Delta\hat{\theta}$
 — Nuis. Param. Pull



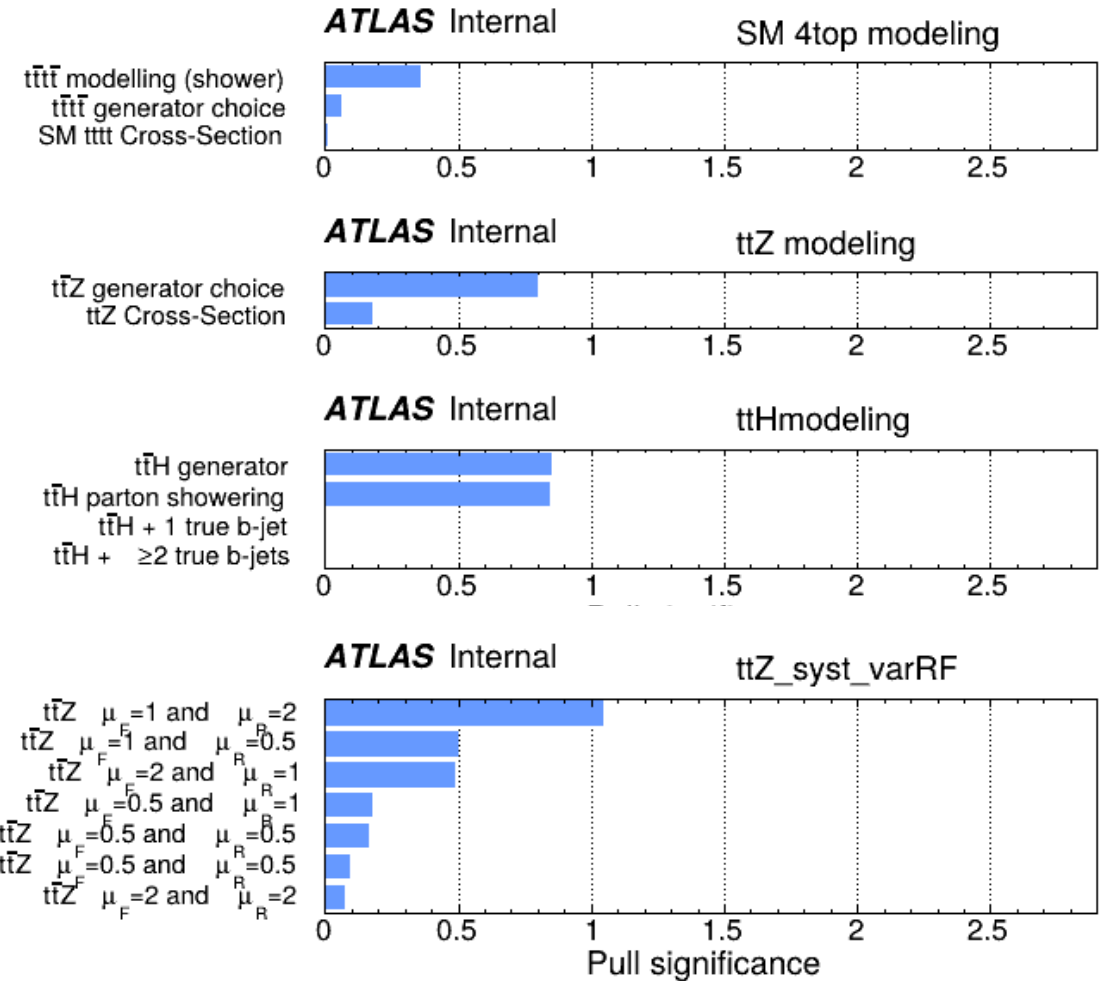
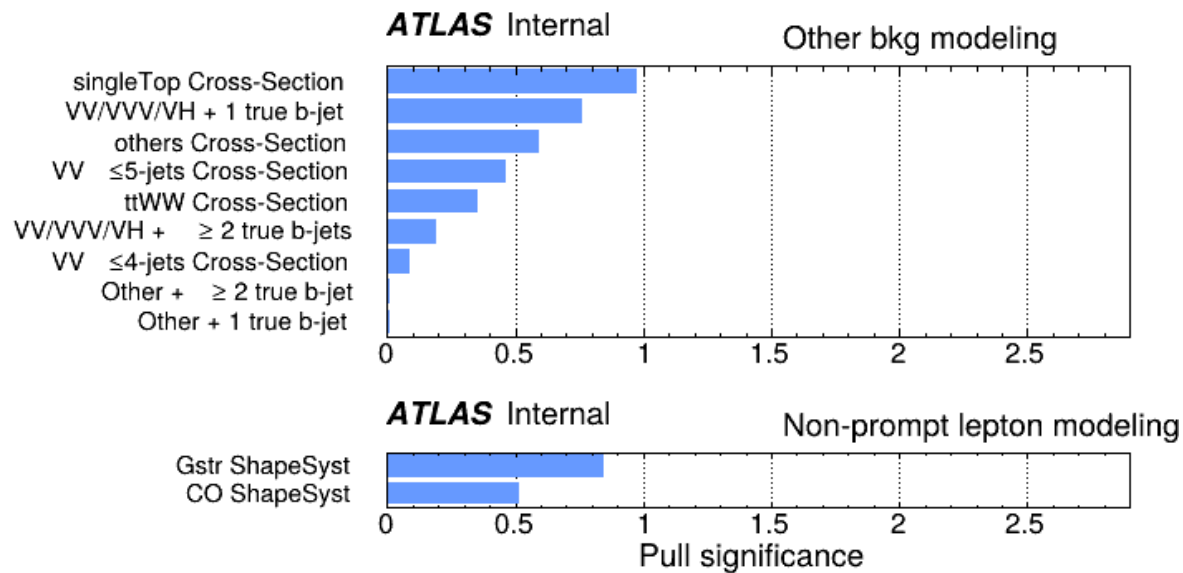
ATLAS Internal



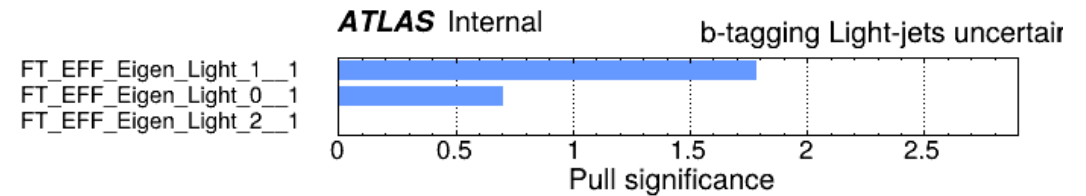
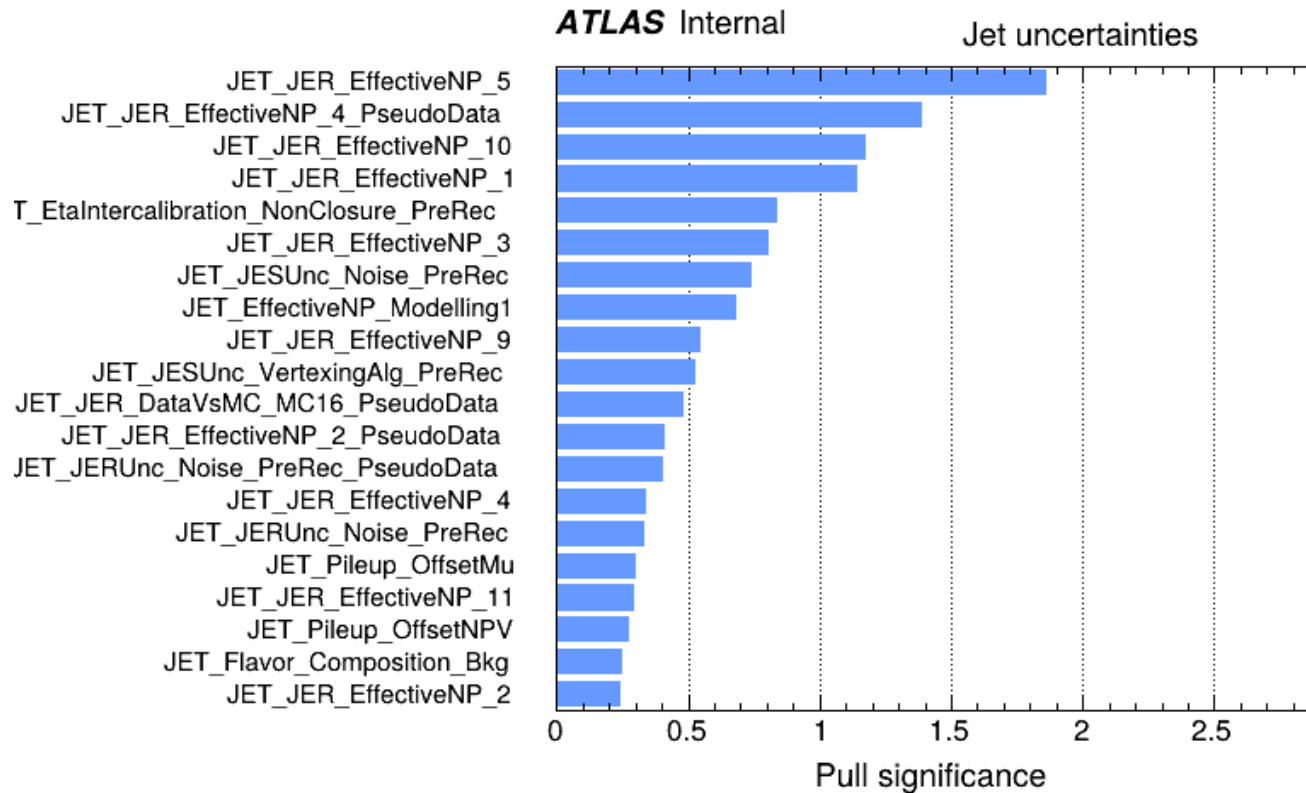
Ranked pull plots



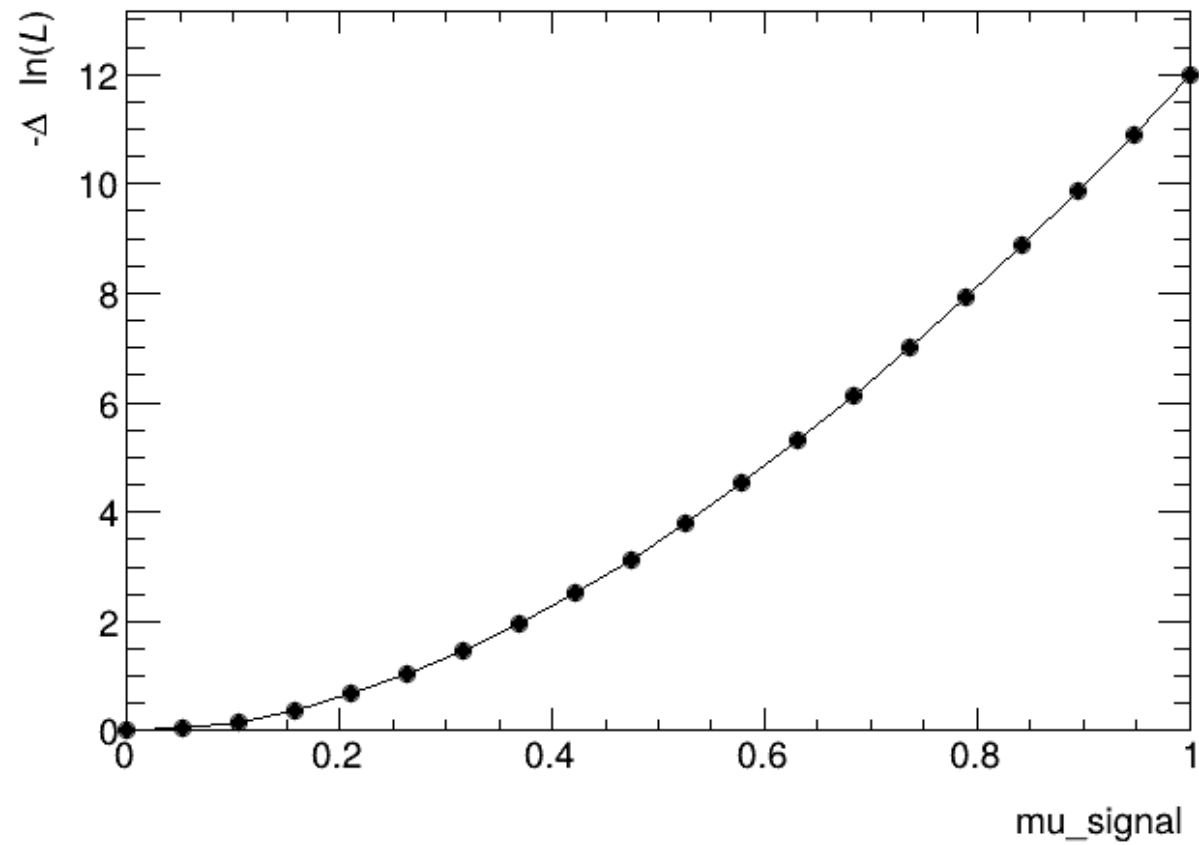
Modeling pull plot



Instrumental pull plot



LLH plot



Significance & limits

- Significance
 - Expected p-value $\mu = 1$ (median): 0.000000
 - Expected significance $\mu = 1$ (median): 5.121332
- Limits
 - Expected limit (median): 0.363225
 - Expected limit (-1 sig): 0.256782
 - Expected limit (1 sig): 0.518512
 - Expected limit (-2 sig): 0.188841
 - Expected limit (2 sig): 0.716809

To add

- SR section
 - Discrimination power comparison between njets/nbtag/HT/etc.
- Results
 - some CR post-fit plots (HF, MatConv, ttW)
 - ttZ' production cross section limit plot (once all mass points are finished)
 - Parameter exclusion region
 - Yield table (pre- & post-fit)
 - Systematics' impact on signal strength ($\Delta\mu$) table