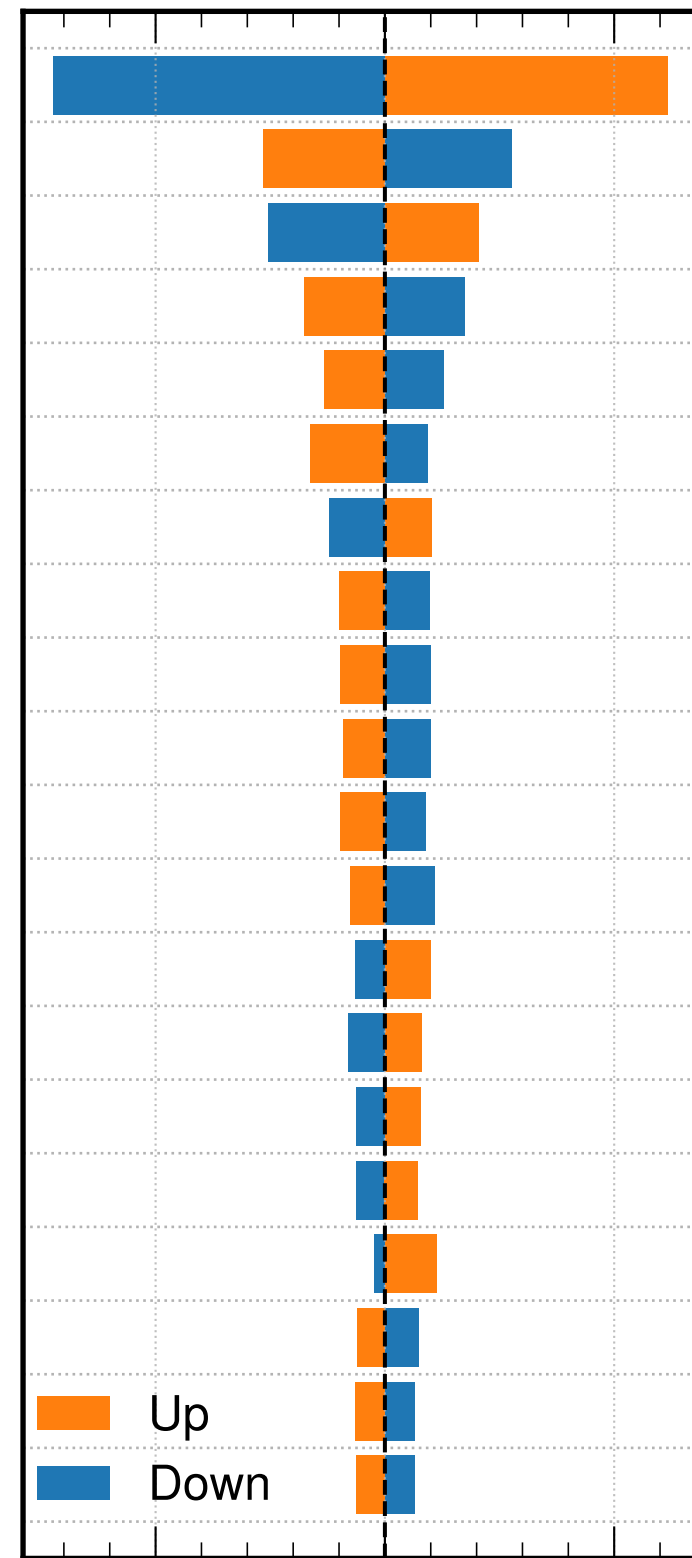
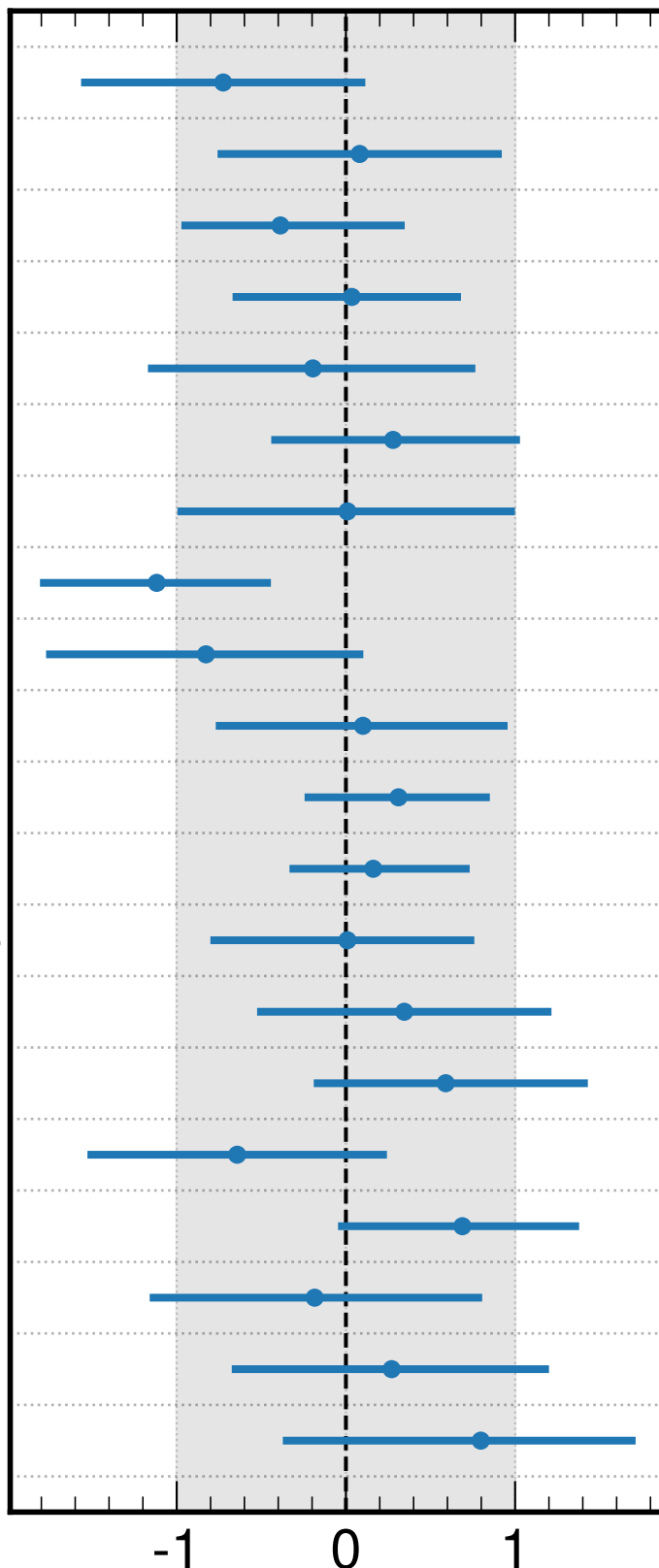


CMS

138 fb⁻¹ (13 TeV)

- 1 – Renormalization scale norm (tt̄B OOA)
- 2 – b tagging (b jets, calibration methods)
- 3 – Parton shower FSR (tt̄+light)
- 4 – Renormalization scale (tt̄)
- 5 – Luminosity (2016,2017,2018)
- 6 – Colour reconnection (erdON)
- 7 – Factorization scale (tt̄B OOA)
- 8 – b tagging (b jets, tight WP, 2018)
- 9 – top p_T modelling
- 10 – b tagging (light jets)
- 11 – b tagging (b jets, tight WP, 2017)
- 12 – h_{damp}(tt̄)
- 13 – Pileup
- 14 – b tagging (light jets, medium WP 2017)
- 15 – Jet energy scale (gluon)
- 16 – b tagging (light jets, medium WP 2018)
- 17 – Renormalization scale (tt̄B OOA)
- 18 – Parton shower ISR (tt̄+light)
- 19 – Muon reconstruction
- 20 – Jet energy resolution (2016ULpostVFP)



Phase space: ≥ 6 jets: $\geq 3b$, ≥ 3 light
Observable: H_T^{light}

Post-fit nuisance values

Rel. impact on σ_{fid}