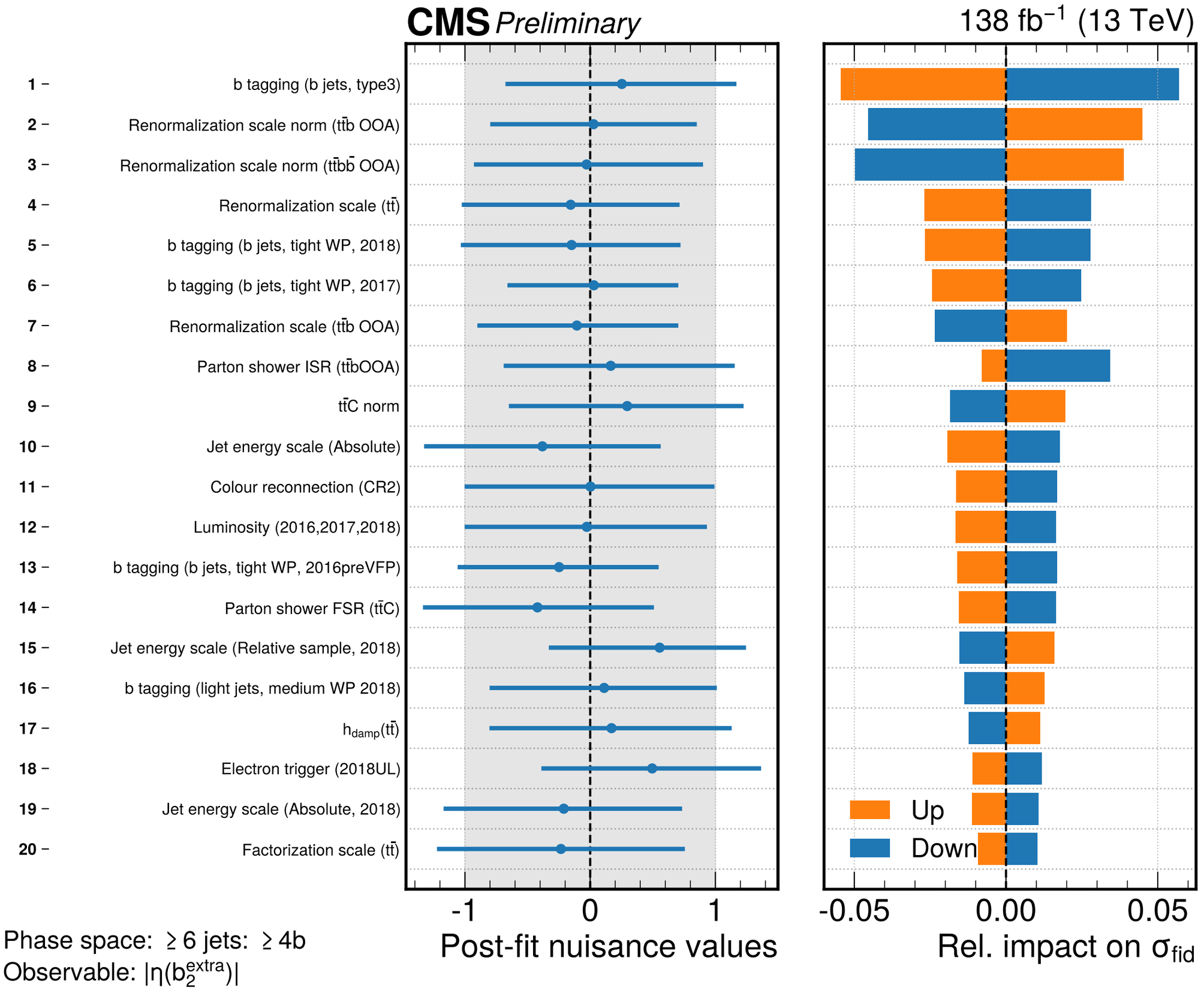
CMS Preliminary
138 fb^{-1} (13 TeV)
1 – b tagging (b jets, type3)
2 – Renormalization scale norm ($t\bar{t}b$ OOA)
3 – Renormalization scale norm ($t\bar{t}b\bar{b}$ OOA)
4 – Renormalization scale ($t\bar{t}$)
5 – b tagging (b jets, tight WP, 2018)
6 – b tagging (b jets, tight WP, 2017)
7 – Renormalization scale ($t\bar{t}b$ OOA)
8 – Parton shower ISR ($t\bar{t}b$OOA)
9 – $t\bar{t}C$ norm
10 – Jet energy scale (Absolute)
11 – Colour reconnection (CR2)
12 – Luminosity (2016,2017,2018)
13 – b tagging (b jets, tight WP, 2016preVFP)
14 – Parton shower FSR ($t\bar{t}C$)
15 – Jet energy scale (Relative sample, 2018)
16 – b tagging (light jets, medium WP 2018)
17 – $h_{damp}(t\bar{t})$
18 – Electron trigger (2018UL)
19 – Jet energy scale (Absolute, 2018)
20 – Factorization scale ($t\bar{t}$)
-1
0
1
Post-fit nuisance values
Up
Down
-0.05
0.00
0.05
Rel. impact on σ_{fid}
Phase space: ≥ 6 jets: ≥ 4b
Observable: $|\eta(b_2^{extra})|$