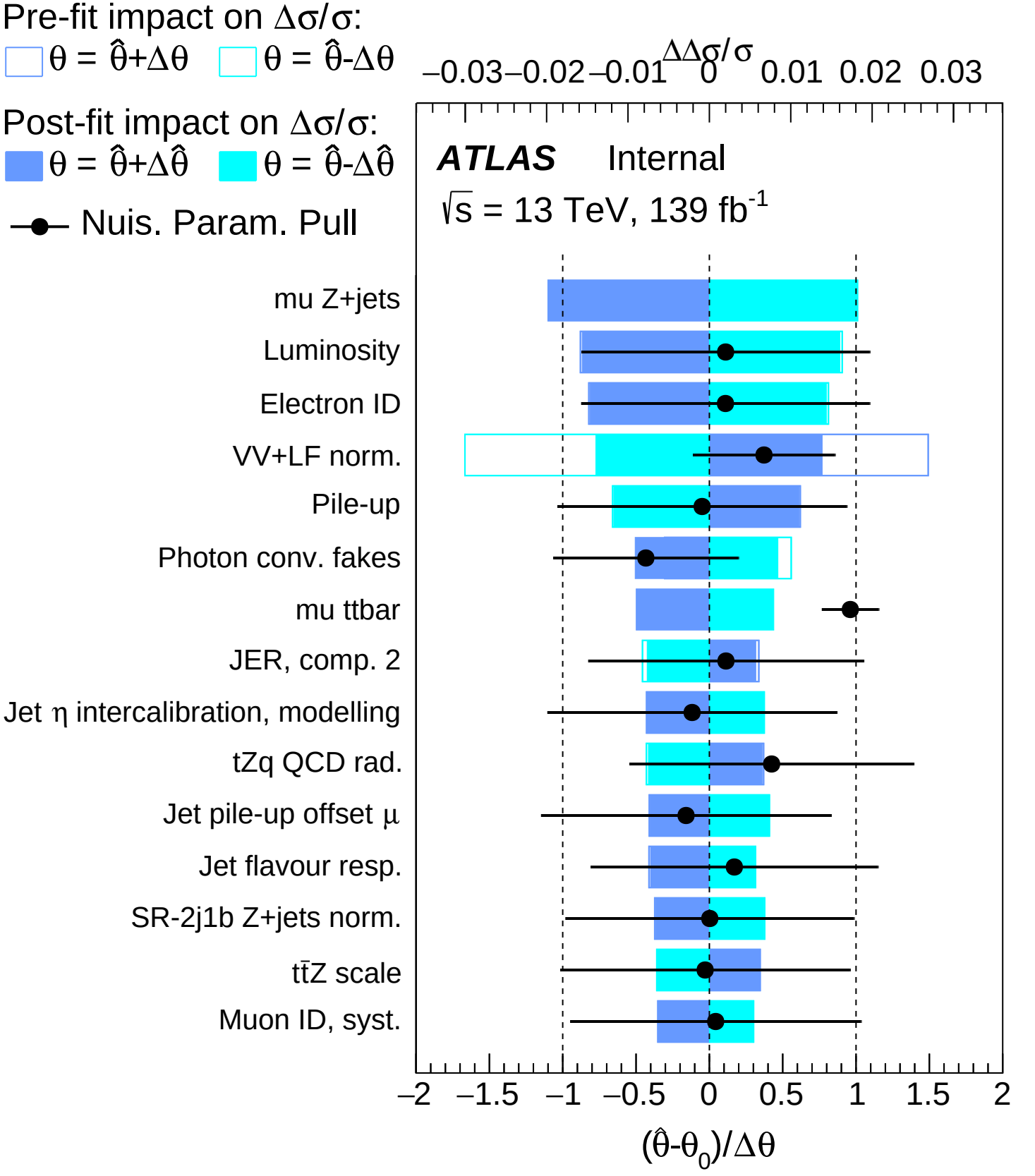

Pre-fit impact on Δσ/σ:
θ = θ̂+Δθ
θ = θ̂-Δθ
Post-fit impact on Δσ/σ:
θ = θ̂+Δθ̂
θ = θ̂-Δθ̂
Nuis. Param. Pull
ΔΔσ/σ
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
ATLAS Internal
√s = 13 TeV, 139 fb-1
mu Z+jets
Luminosity
Electron ID
VV+LF norm.
Pile-up
Photon conv. fakes
mu ttbar
JER, comp. 2
Jet η intercalibration, modelling
tZq QCD rad.
Jet pile-up offset μ
Jet flavour resp.
SR-2j1b Z+jets norm.
tt̄Z scale
Muon ID, syst.
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
(θ̂-θ0)/Δθ