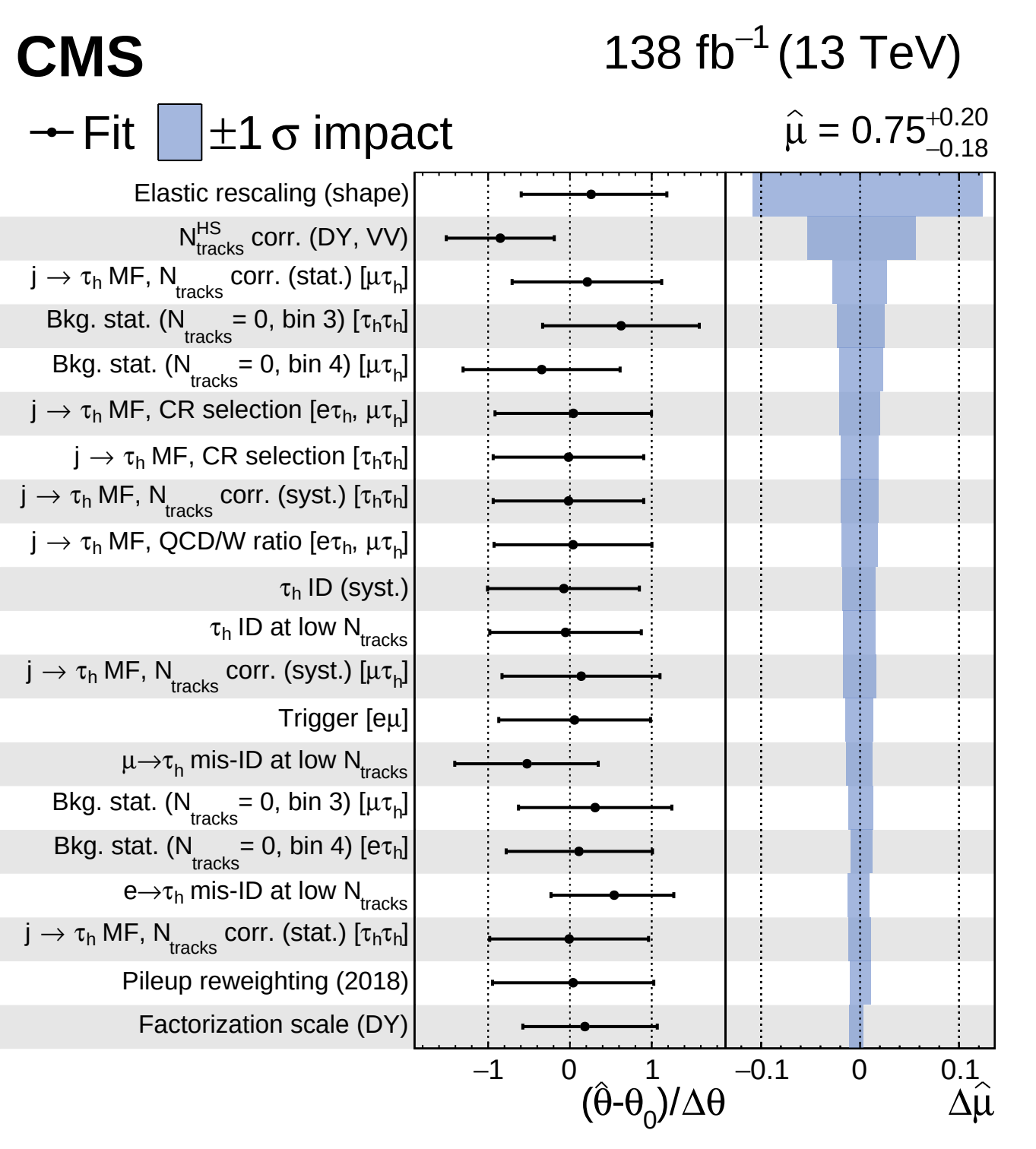
CMS
138 fb^{-1} (13 TeV)
Fit
±1 σ impact
$\hat{\mu} = 0.75^{+0.20}_{-0.18}$
Elastic rescaling (shape)
N^{HS}_{tracks} corr. (DY, VV)
$j \to \tau_h$ MF, N_{tracks} corr. (stat.) [$\mu\tau_h$]
Bkg. stat. (N_{tracks} = 0, bin 3) [$\tau_h\tau_h$]
Bkg. stat. (N_{tracks} = 0, bin 4) [$\mu\tau_h$]
$j \to \tau_h$ MF, CR selection [$e\tau_h$, $\mu\tau_h$]
$j \to \tau_h$ MF, CR selection [$\tau_h\tau_h$]
$j \to \tau_h$ MF, N_{tracks} corr. (syst.) [$\tau_h\tau_h$]
$j \to \tau_h$ MF, QCD/W ratio [$e\tau_h$, $\mu\tau_h$]
τ_h ID (syst.)
τ_h ID at low N_{tracks}
$j \to \tau_h$ MF, N_{tracks} corr. (syst.) [$\mu\tau_h$]
Trigger [$e\mu$]
$\mu \to \tau_h$ mis-ID at low N_{tracks}
Bkg. stat. (N_{tracks} = 0, bin 3) [$\mu\tau_h$]
Bkg. stat. (N_{tracks} = 0, bin 4) [$e\tau_h$]
$e \to \tau_h$ mis-ID at low N_{tracks}
$j \to \tau_h$ MF, N_{tracks} corr. (stat.) [$\tau_h\tau_h$]
Pileup reweighting (2018)
Factorization scale (DY)
–1
0
1
$(\hat{\theta}-\theta_0)/\Delta\theta$
–0.1
0
0.1
$\Delta\hat{\mu}$