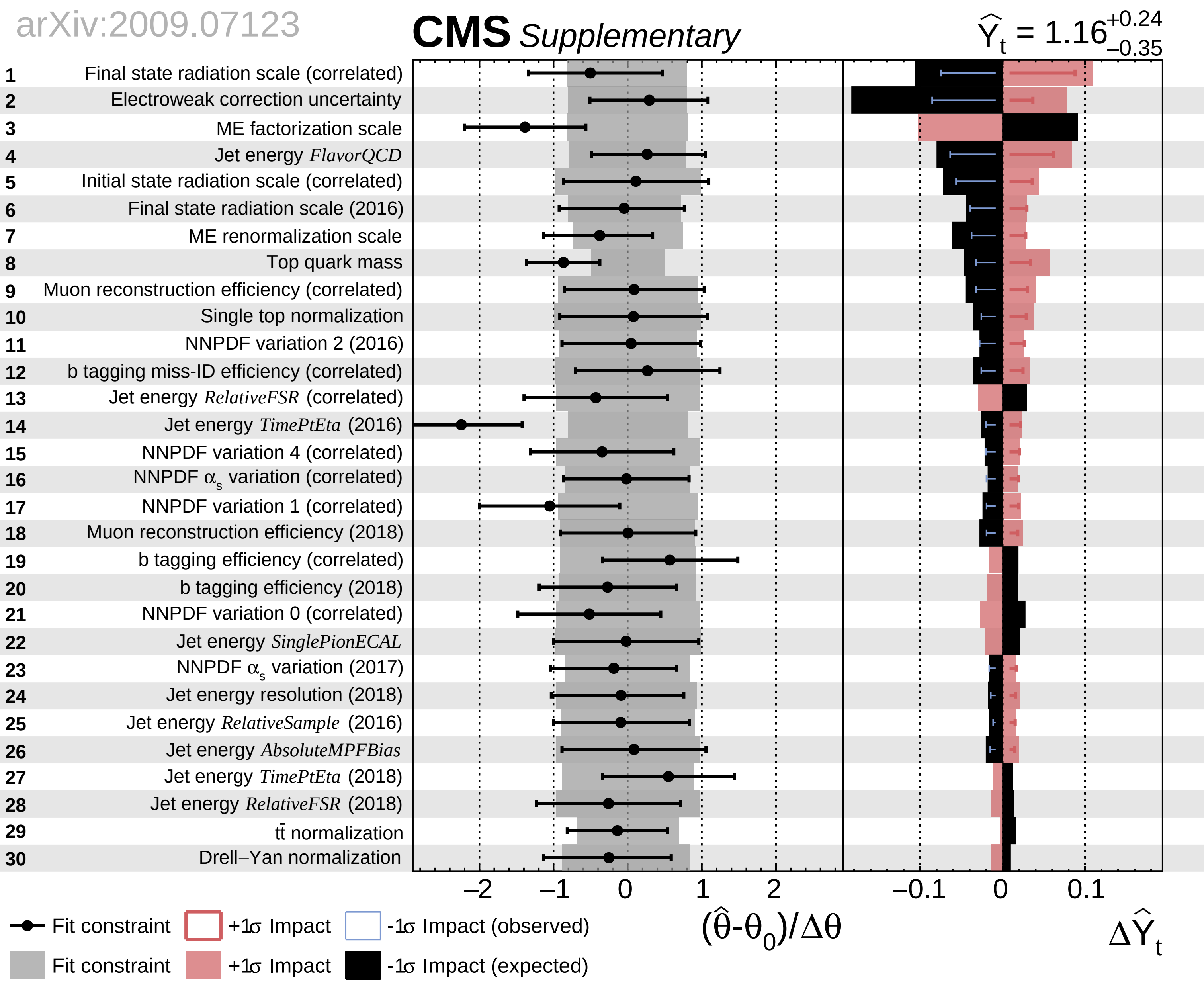
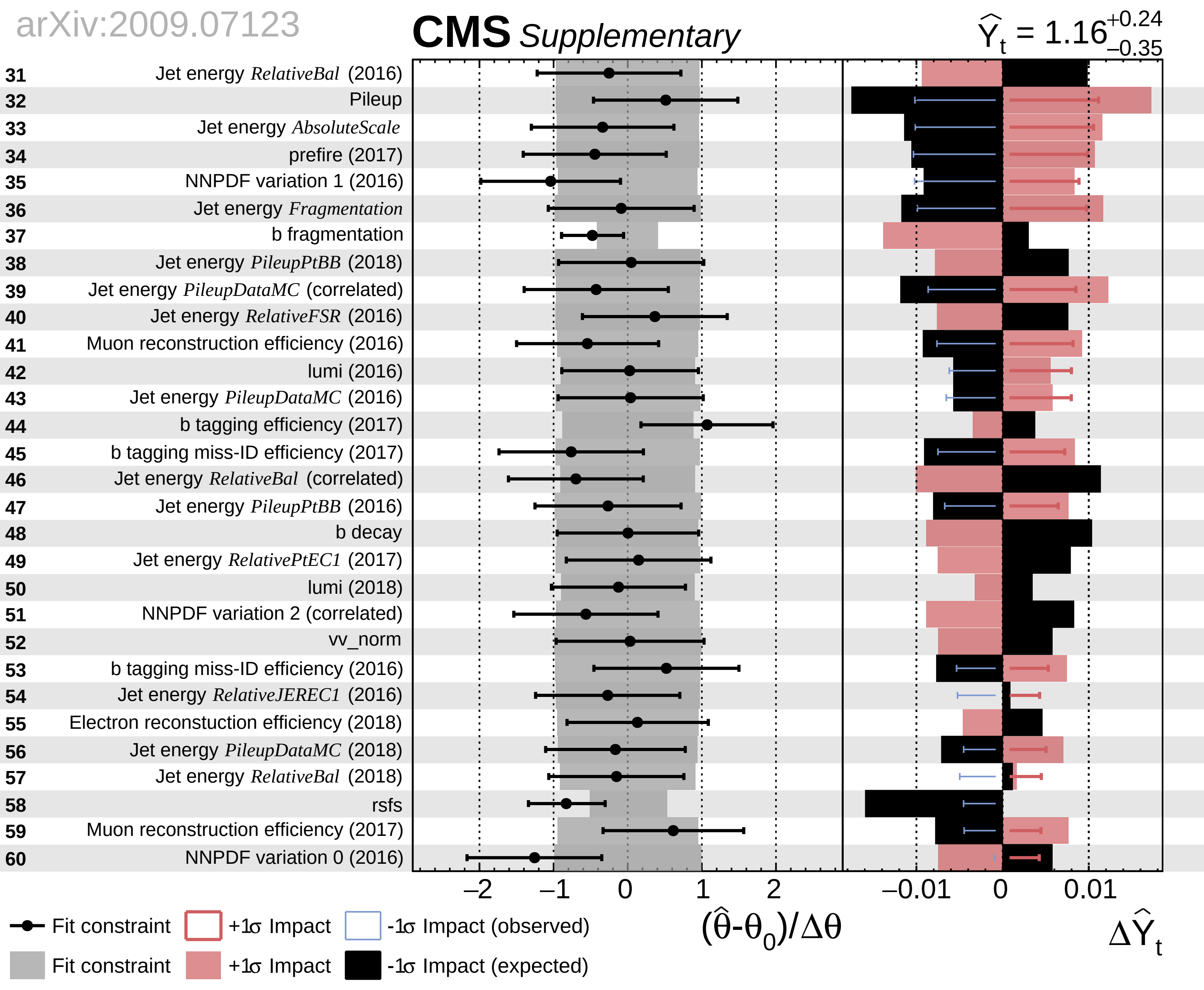
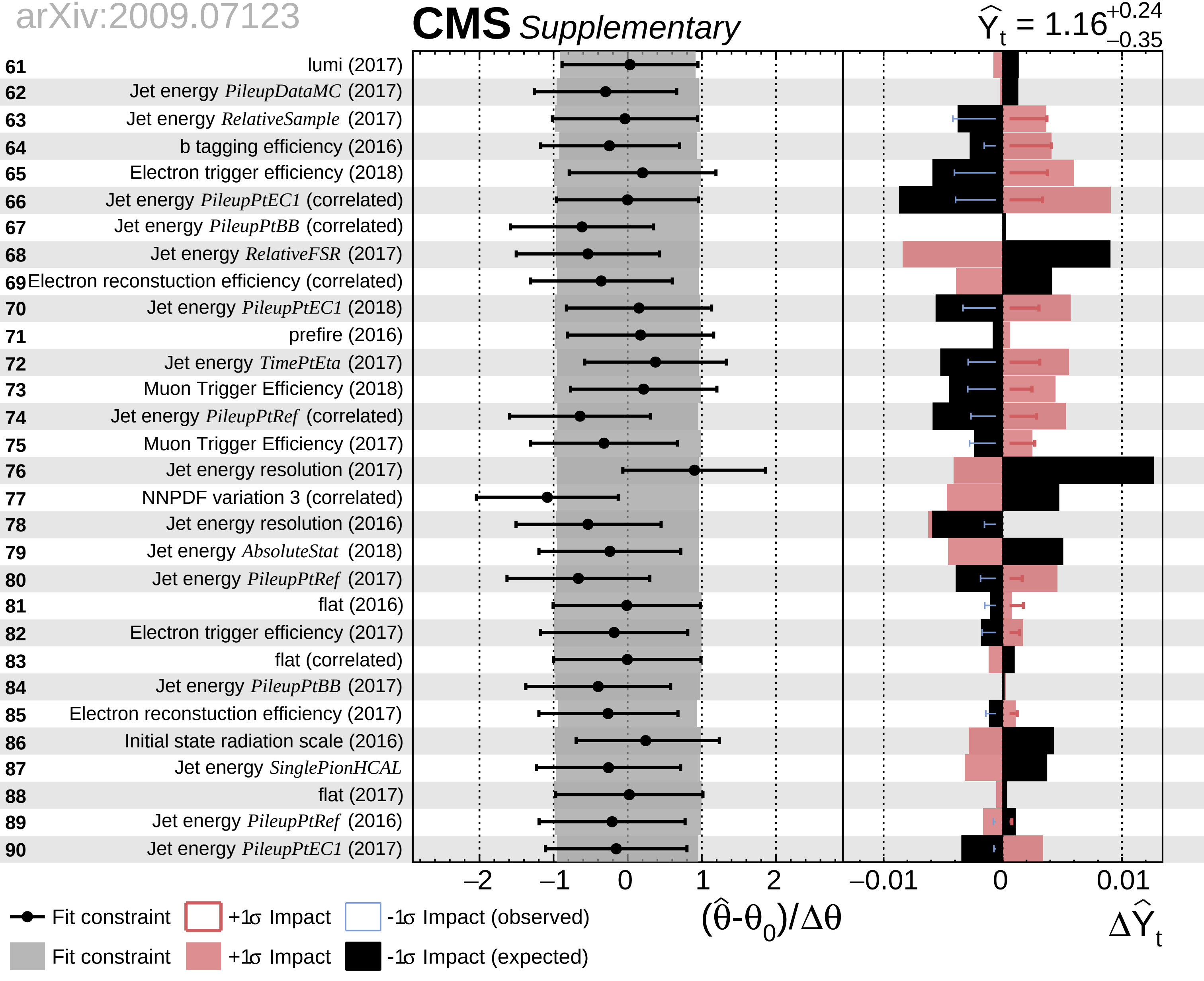
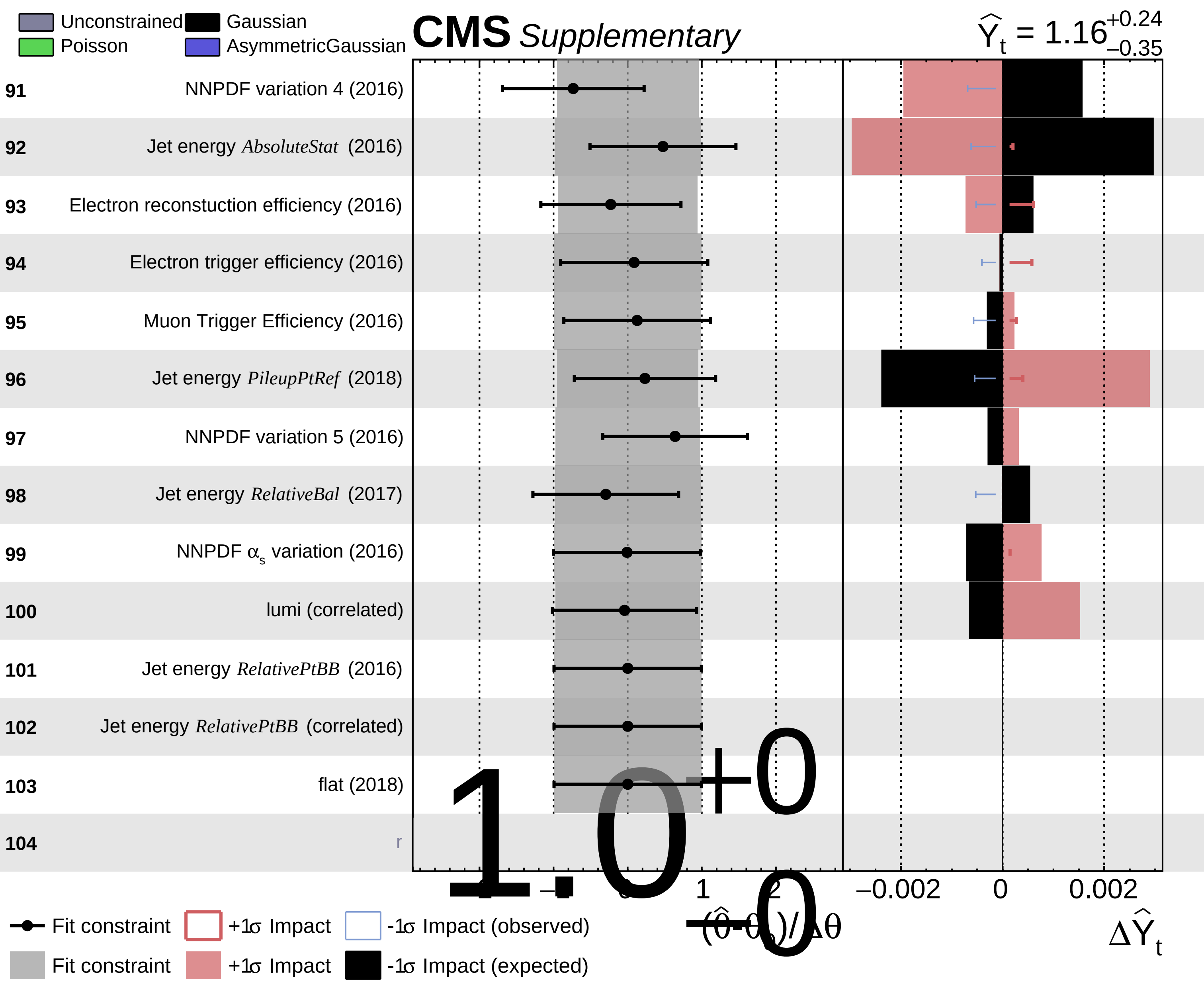
arXiv:2009.07123




arXiv:2009.07123
CMS Supplementary
$\hat{Y}_t = 1.16^{+0.24}_{-0.35}$
31 Jet energy *RelativeBal* (2016)
32 Pileup
33 Jet energy *AbsoluteScale*
34 prefire (2017)
35 NNPDF variation 1 (2016)
36 Jet energy *Fragmentation*
37 b fragmentation
38 Jet energy *PileupPtBB* (2018)
39 Jet energy *PileupDataMC* (correlated)
40 Jet energy *RelativeFSR* (2016)
41 Muon reconstruction efficiency (2016)
42 lumi (2016)
43 Jet energy *PileupDataMC* (2016)
44 b tagging efficiency (2017)
45 b tagging miss-ID efficiency (2017)
46 Jet energy *RelativeBal* (correlated)
47 Jet energy *PileupPtBB* (2016)
48 b decay
49 Jet energy *RelativePtEC1* (2017)
50 lumi (2018)
51 NNPDF variation 2 (correlated)
52 vv_norm
53 b tagging miss-ID efficiency (2016)
54 Jet energy *RelativeJEREC1* (2016)
55 Electron reconstuction efficiency (2018)
56 Jet energy *PileupDataMC* (2018)
57 Jet energy *RelativeBal* (2018)
58 rsfs
59 Muon reconstruction efficiency (2017)
60 NNPDF variation 0 (2016)
−2 −1 0 1 2
$(\hat{\theta}-\theta_0)/\Delta\theta$
−0.01 0 0.01
$\Delta\hat{Y}_t$
Fit constraint
+1σ Impact
-1σ Impact (observed)
Fit constraint
+1σ Impact
-1σ Impact (expected)

arXiv:2009.07123





Unconstrained
Gaussian
Poisson
AsymmetricGaussian
CMS Supplementary
$\hat{Y}_t = 1.16^{+0.24}_{-0.35}$
91 NNPDF variation 4 (2016)
92 Jet energy *AbsoluteStat* (2016)
93 Electron reconstuction efficiency (2016)
94 Electron trigger efficiency (2016)
95 Muon Trigger Efficiency (2016)
96 Jet energy *PileupPtRef* (2018)
97 NNPDF variation 5 (2016)
98 Jet energy *RelativeBal* (2017)
99 NNPDF α_s variation (2016)
100 lumi (correlated)
101 Jet energy *RelativePtBB* (2016)
102 Jet energy *RelativePtBB* (correlated)
103 flat (2018)
104 r
1.0^{+0}_{-0}
−2 −1 0 1 2
$(\hat{\theta}-\theta_0)/\Delta\theta$
−0.002 0 0.002
$\Delta\hat{Y}_t$
Fit constraint
+1σ Impact
-1σ Impact (observed)
Fit constraint
+1σ Impact
-1σ Impact (expected)