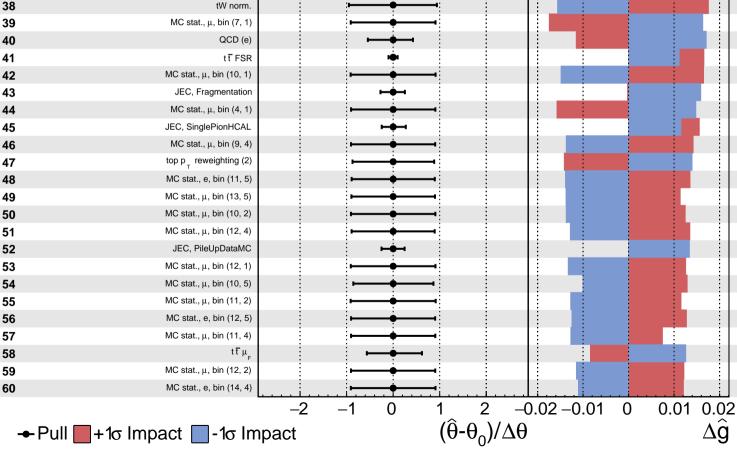


CMS Internal $\hat{g} = 1 \pm 0.296$ JEC, PileUpPtBB JEC. RelativePtBB JEC, SinglePionECAL MC stat., μ , bin (11, 3) QCD (µ) MC stat., e, bin (10, 1) JEC, RelativePtEC1 tW norm.



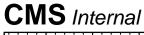
31 32

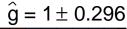
33 34

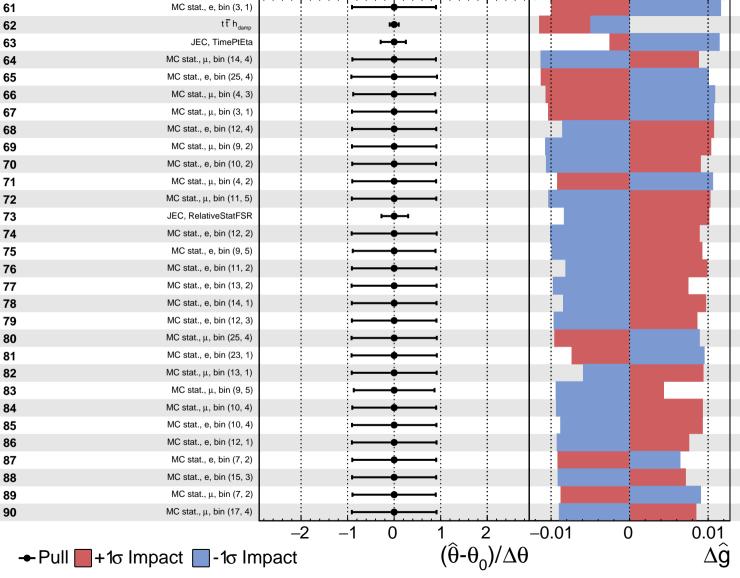
35

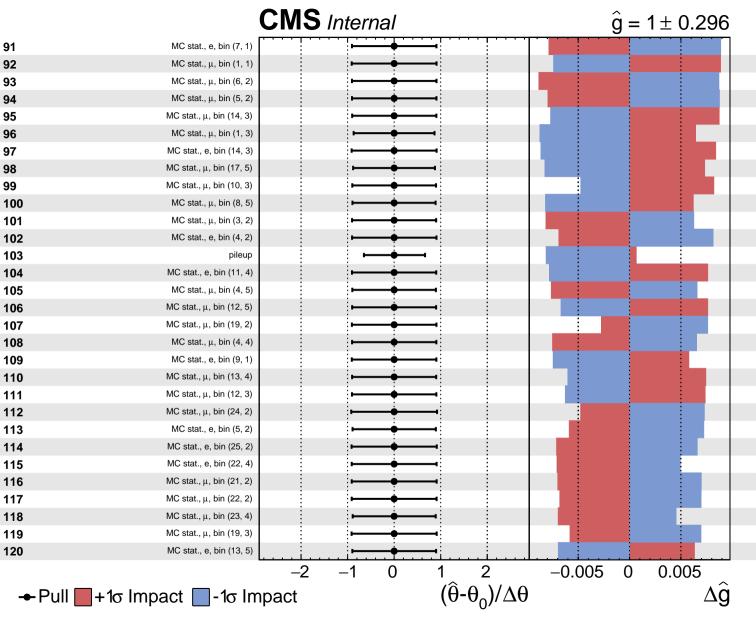
36

37









CMS Internal $\hat{g} = 1 \pm 0.296$ 121 MC stat., μ, bin (13, 2) 122 MC stat., e, bin (13, 1) 123 MC stat., e, bin (25, 5) 124 MC stat., μ, bin (8, 1) MC stat., μ, bin (25, 3) 125 126 MC stat., e, bin (1, 1) 127 MC stat., μ , bin (5, 3) 128 MC stat., e, bin (6, 2) 129 MC stat., e, bin (1, 3) 130 VV norm. MC stat., μ, bin (14, 1) 131 MC stat., μ, bin (6, 4) 132 133 MC stat., μ , bin (15, 1) MC stat., μ , bin (22, 4) 134 135 MC stat., μ, bin (24, 5) MC stat., μ , bin (14, 5) 136 MC stat., μ, bin (9, 3) 137 138 MC stat., e, bin (18, 3) 139 MC stat., μ , bin (16, 5) 140 MC stat., μ , bin (21, 5) 141 MC stat., μ , bin (25, 2) 142 MC stat., μ , bin (23, 1) 143 MC stat., e, bin (11, 3) $t \overline{t} \mu_{g}$ 144 145 MC stat., e, bin (14, 2) 146 MC stat., e, bin (17, 1) 147 MC stat., μ, bin (19, 5) 148 MC stat., μ , bin (24, 1) 149 MC stat., e, bin (15, 4) MC stat., e, bin (8, 4) 150 -2 0 -0.0050 0.005 $(\hat{\theta} - \theta_0)/\Delta \theta$ → Pull +15 Impact -15 Impact

