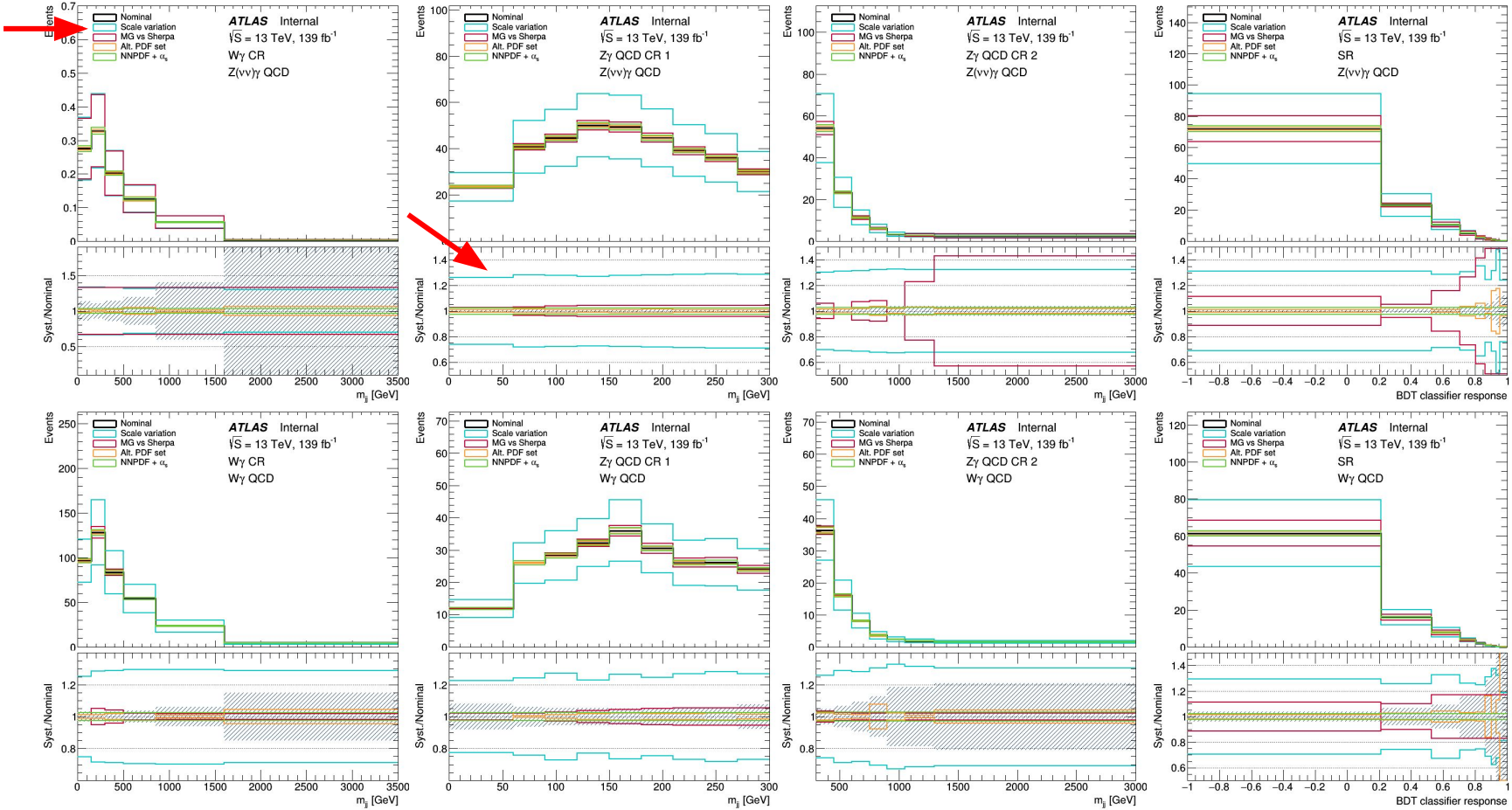
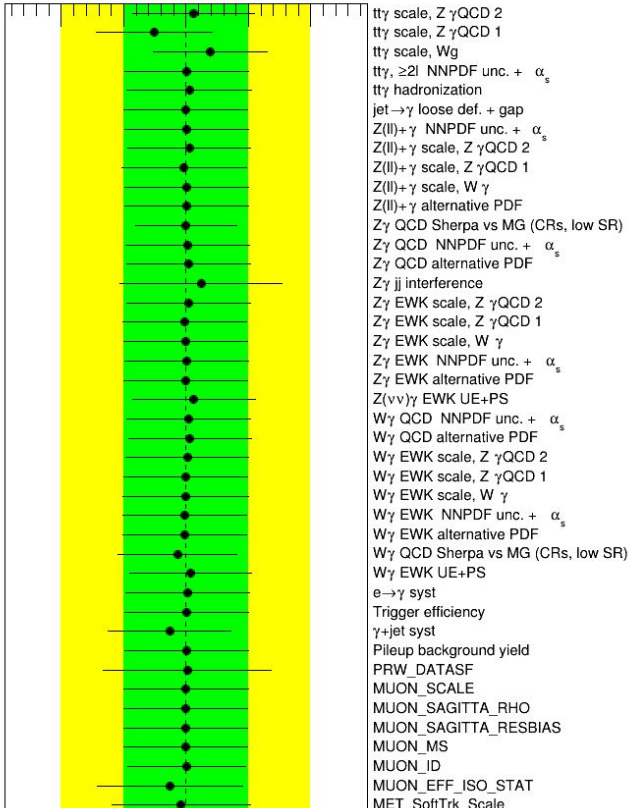
Theoretical systematic uncertainties

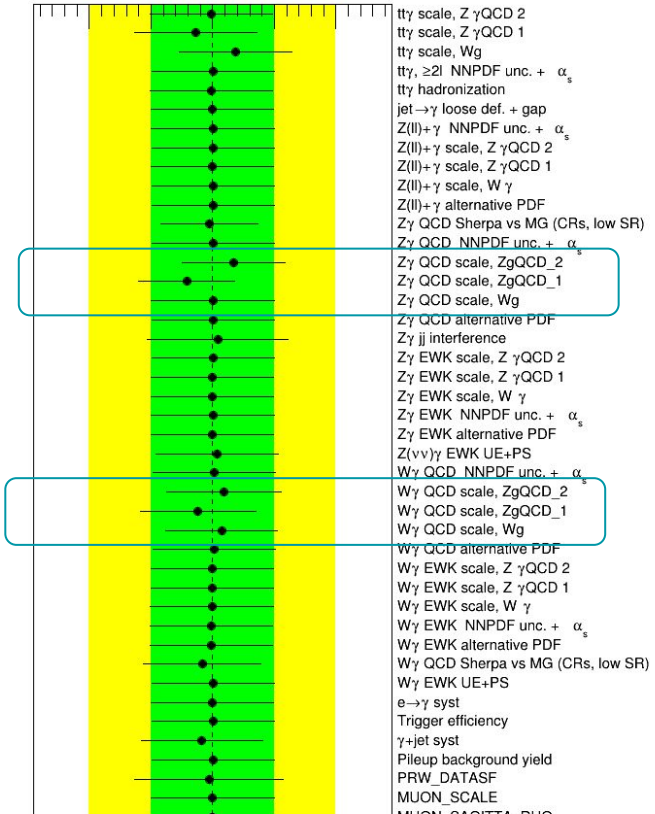


Nuisance parameter pulls

No ZgQCD/WgQCD scale uncertainty

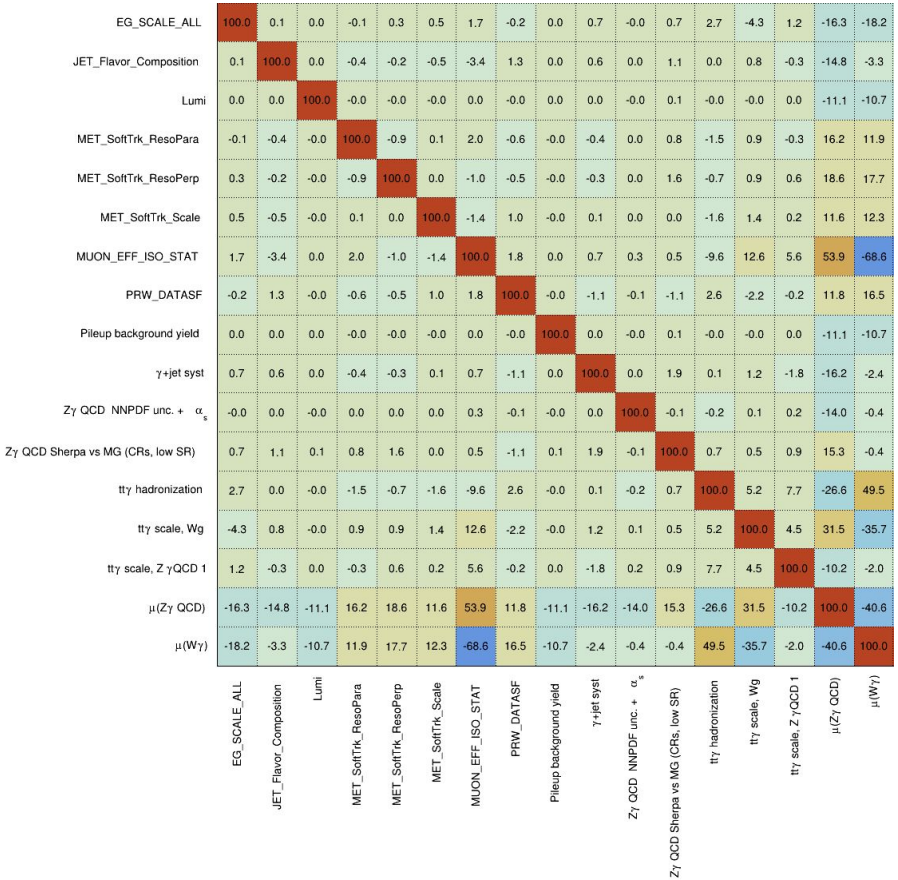


With ZgQCD/WgQCD scale uncertainty

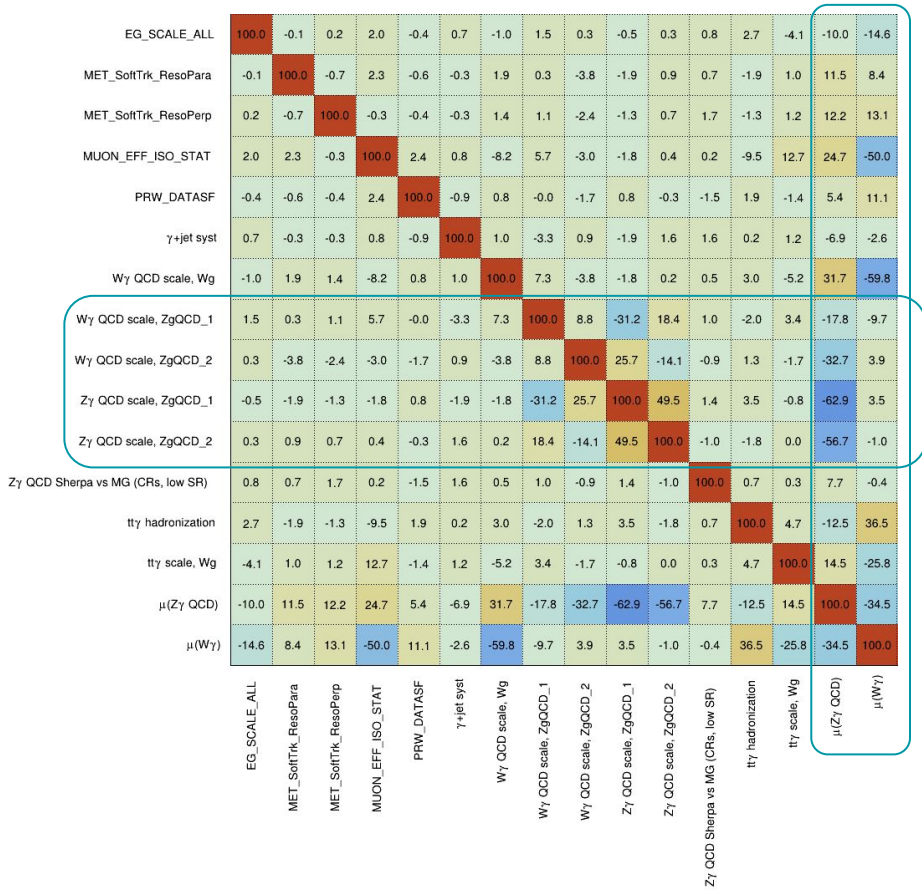


Correlation matrix

No ZgQCD/WgQCD scale uncertainty



With ZgQCD/WgQCD scale uncertainty



Asimov data fit results

No ZgQCD/WgQCD scale uncertainty

μ(ZγEWK)	$1.00^{+0.27}_{-0.25}$ (stat)$^{+0.25}_{-0.18}$ (syst)
μ(ZγQCD)	1.11 ± 0.08 (stat) ± 0.17(syst)
μ(Wγ)	1.09 ± 0.04 (stat)$^{+0.20}_{-0.14}$ (syst)

Expected median significance: **3.7 σ**

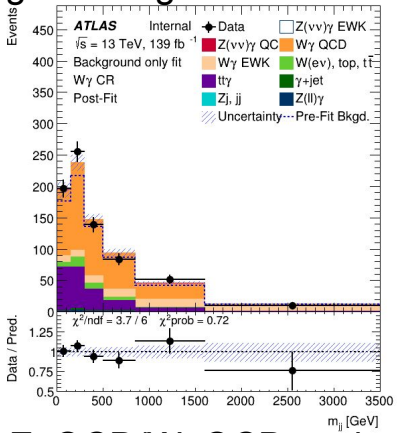
With ZgQCD/WgQCD scale uncertainty

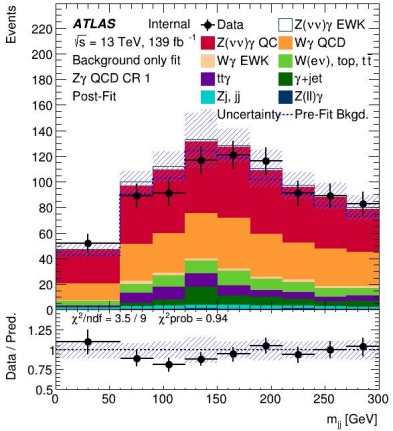
μ(ZγEWK)	$1.00^{+0.27}_{-0.25}$ (stat)$^{+0.27}_{-0.20}$ (syst)
μ(ZγQCD)	1.22 ± 0.08 (stat) $^{+0.39}_{-0.32}$(syst)
μ(Wγ)	1.05 ± 0.04 (stat)$^{+0.27}_{-0.19}$ (syst)

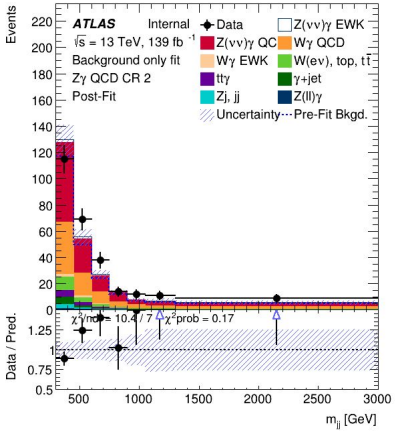
Expected median significance: **3.6 σ**

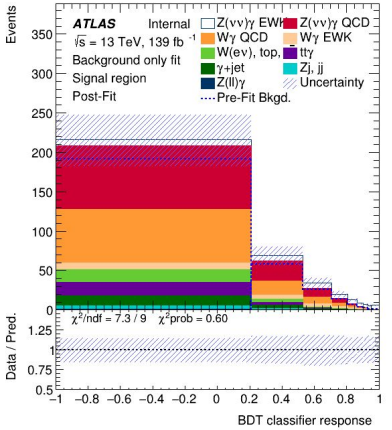
Background only fit results

No ZgQCD/WgQCD scale unc.









With ZgQCD/WgQCD scale unc.