

- Nuisance parameter pull
- $\theta = \hat{\theta} + \Delta\hat{\theta}$
- $\theta = \hat{\theta} - \Delta\hat{\theta}$

W γ normalization
 Nonprompt photon background
 Integrated luminosity (correlated)
 JES – FlavorQCD
 tW γ modeling
 FSR
 Integrated luminosity (2016)
 Integrated luminosity (2017)
 Photon reconstruction and identification
 DY normalization
 b tagging
 ISR
 JES – Absolute
 t/t̄ normalization
 Misidentified e (2018)
 Integrated luminosity (correlated, 2016-17)
 Multijet normalization
 Muon reconstruction and identification
 Integrated luminosity (2018)
 Misidentified e (2016)
 Misidentified e (2017)

