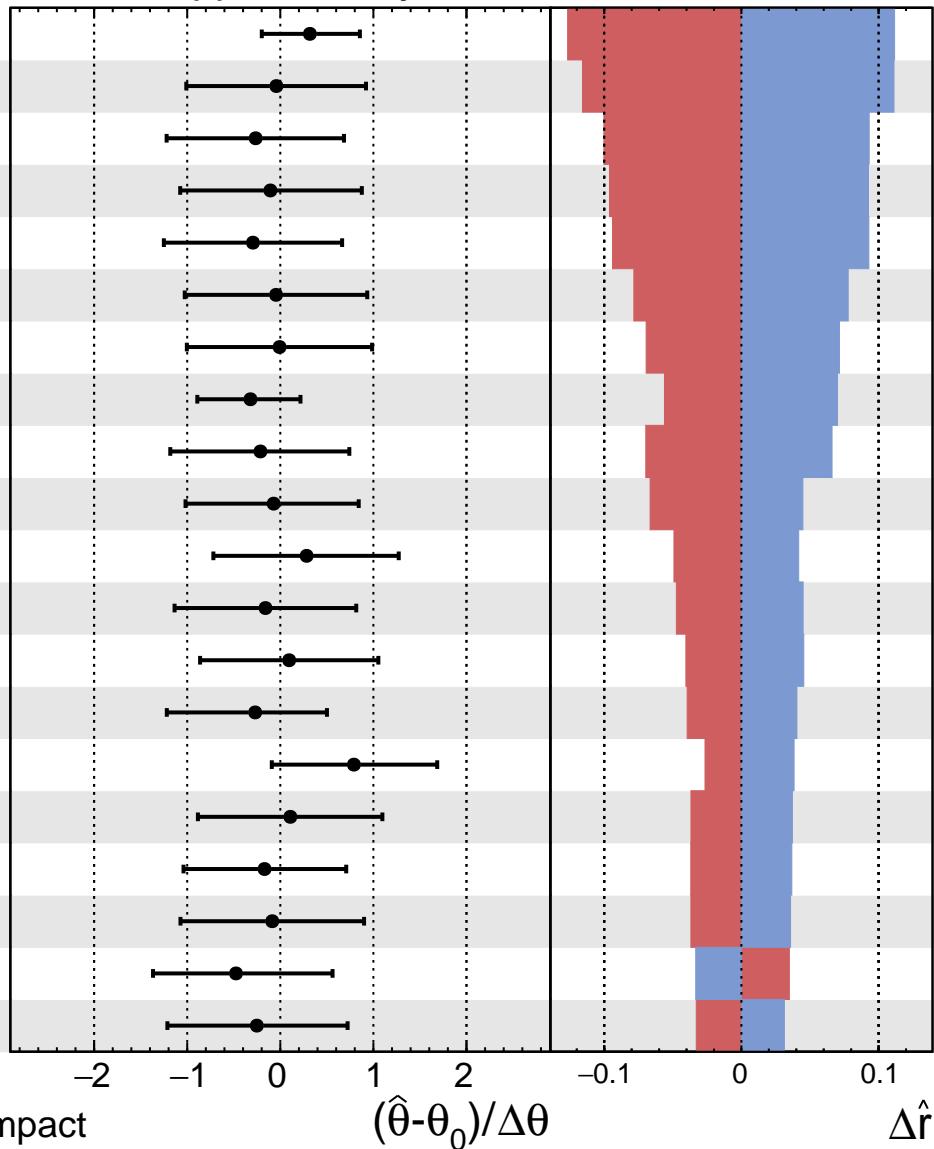


- 1 Non-prompt normalization (muons)  
 2 Tight muon efficiency  
 3 ttW Fact./Norm. Scale  
 4 Luminosity  
 5 Tight electron efficiency  
 6 Loose muon efficiency  
 7 PDF (ttH)  
 8 tt+bb normalization  
 9 ttZ Fact./Norm. Scale  
 10 Rare EWK normalization  
 11 Gamma conversions norm.  
 12 Trigger efficiency (3l)  
 13 MC stat. (2lss em, bin 0)  
 14 b tagging (light)  
 15 MC stat. (3l, bin 8)  
 16 b tagging (charm err2)  
 17 Non-prompt normalization (electrons)  
 18 Loose electron efficiency  
 19 tt+bb Fact./Norm. Scale  
 20 Forward jet modeling



● Pull ■ +1 $\sigma$  Impact ■ -1 $\sigma$  Impact

$(\hat{\theta} - \theta_0)/\Delta\theta$   $\Delta\hat{r}$