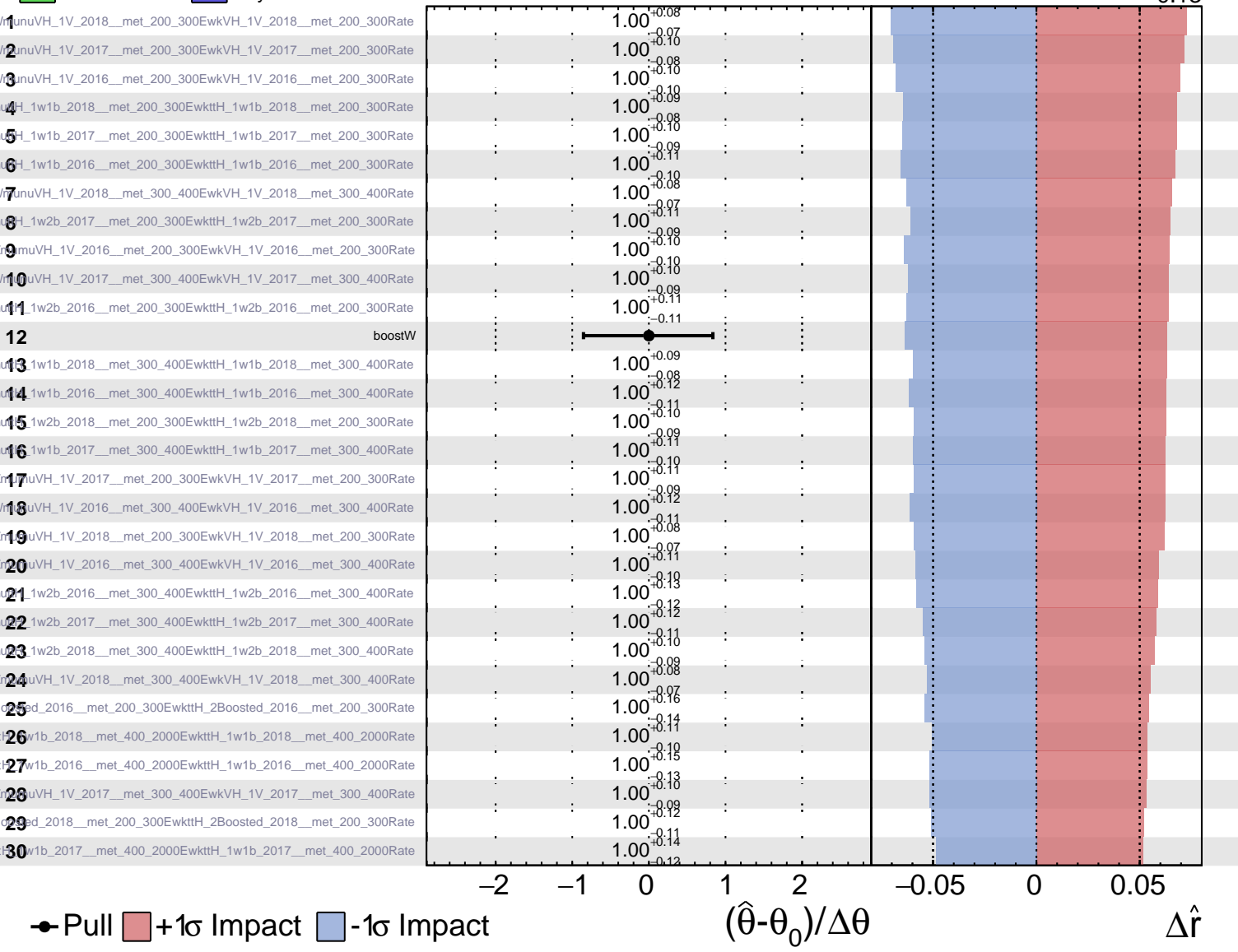


Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

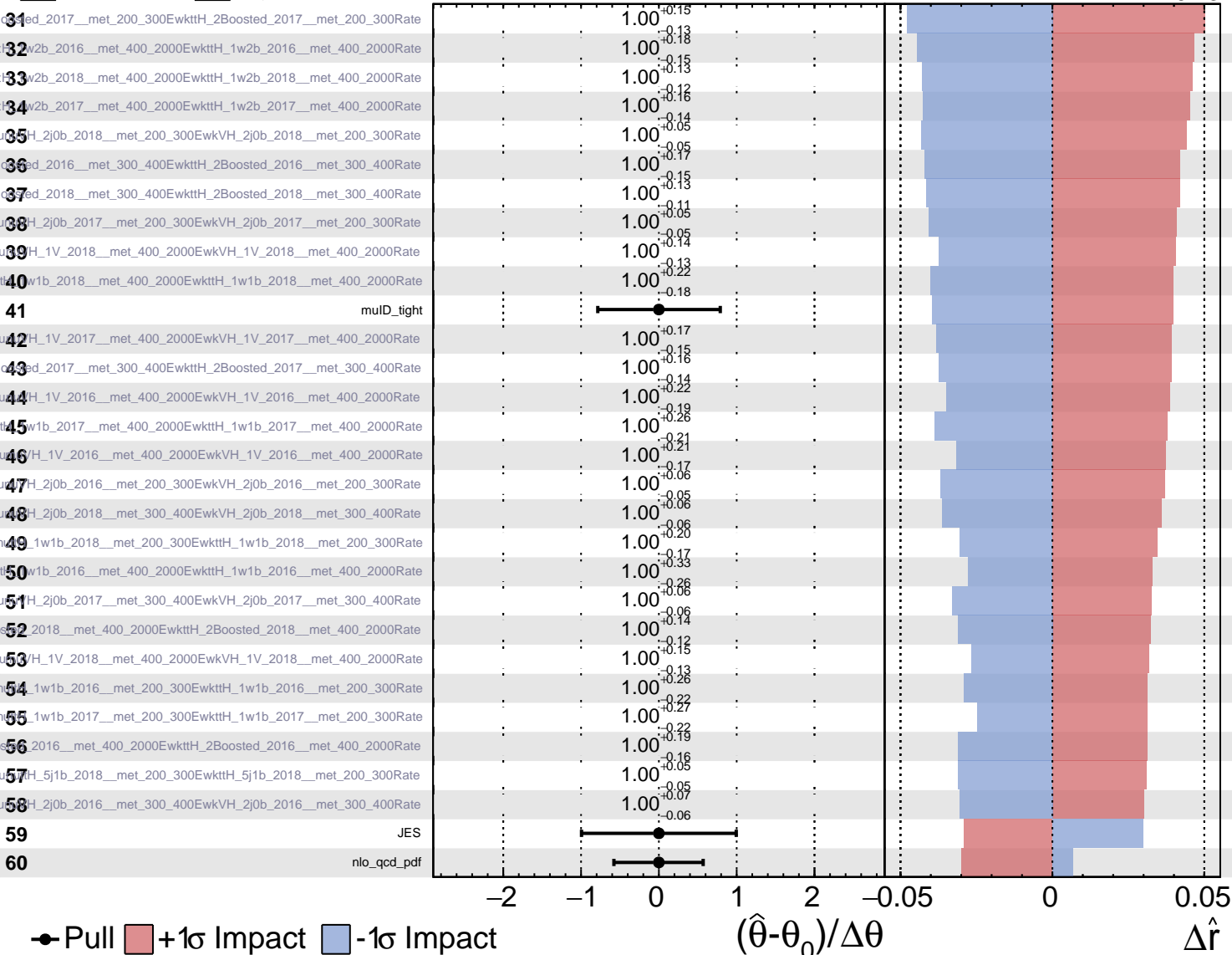
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

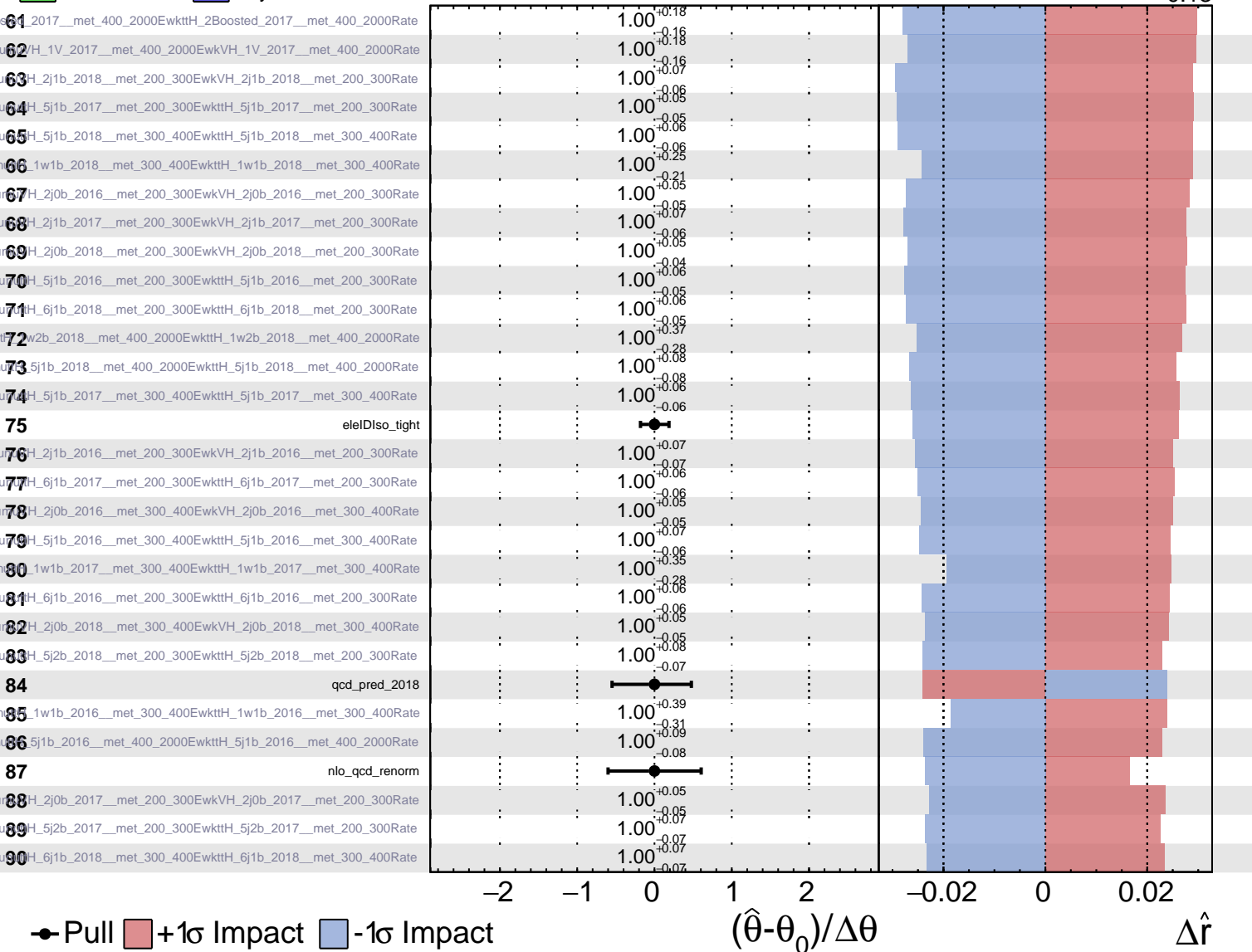
$\hat{r} = 1.00^{+0.14}_{-0.13}$

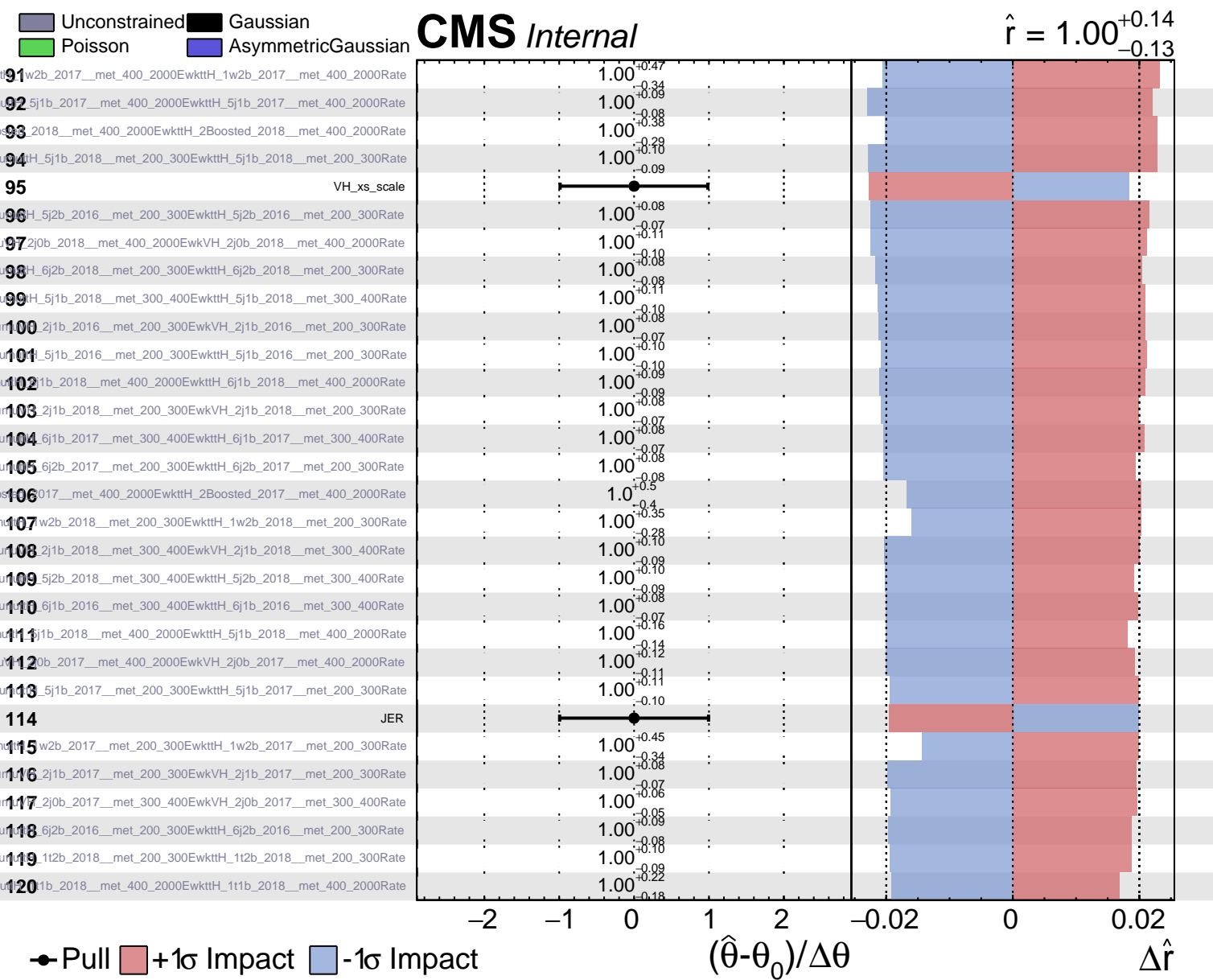


Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS Internal

$\hat{r} = 1.00^{+0.14}_{-0.13}$

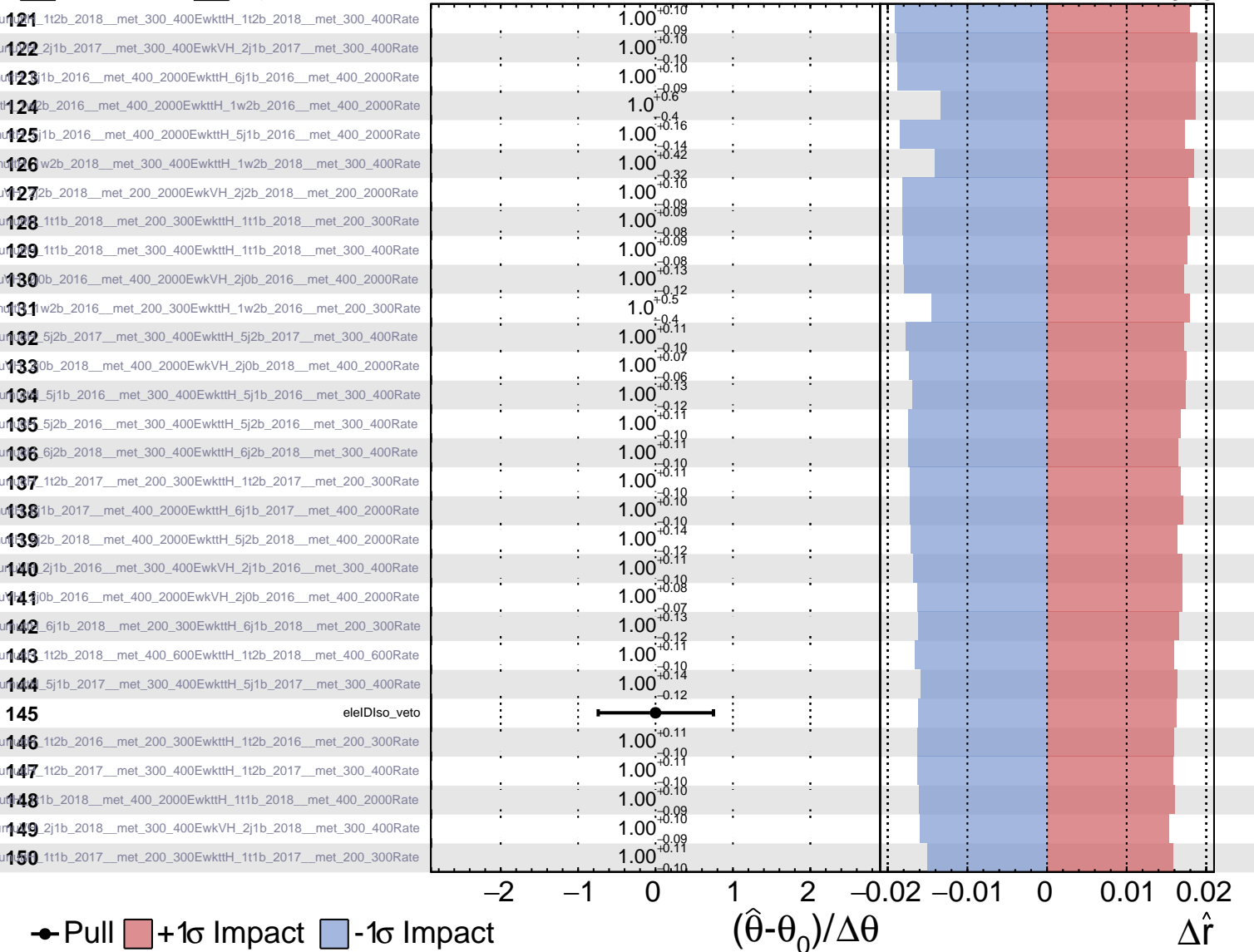




Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$

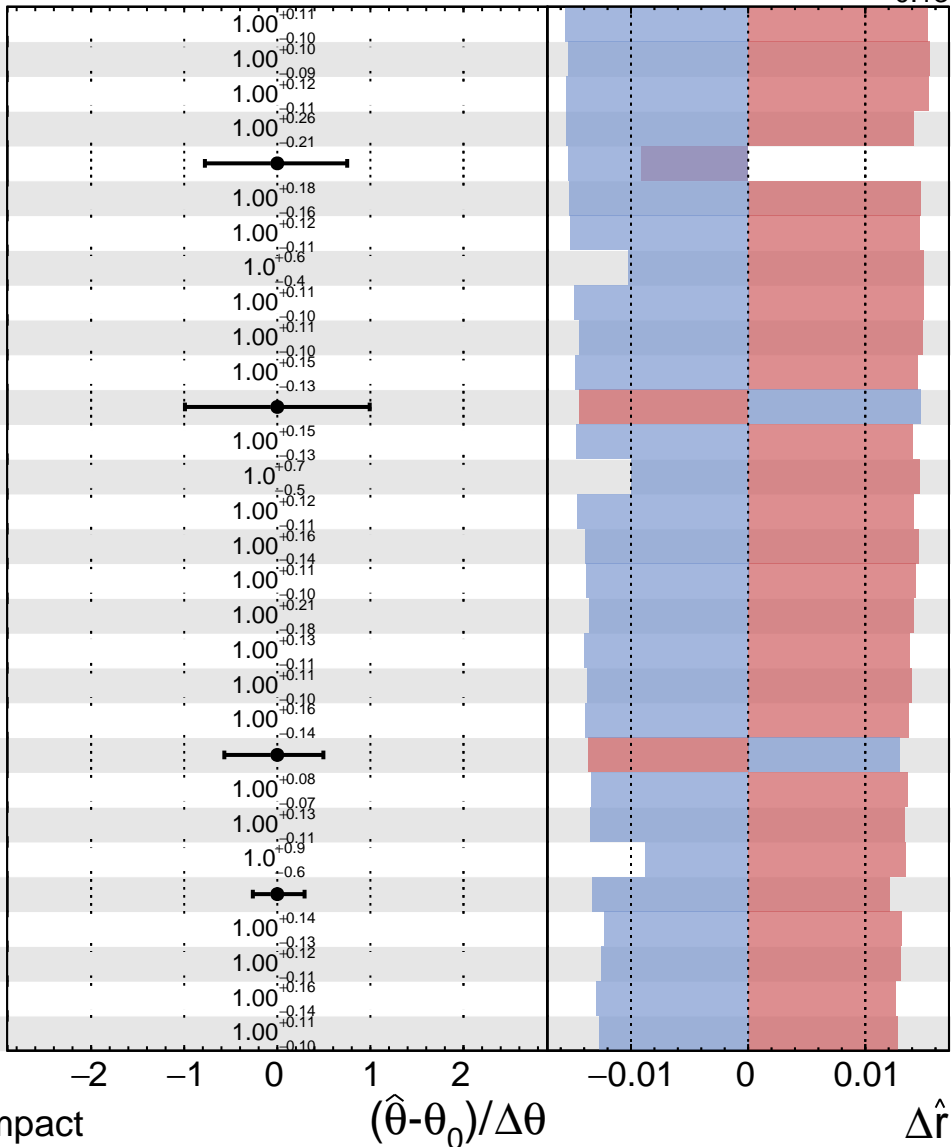


Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$

151 112b_2016__met_300_400EwktH_112b_2016__met_300_400Rate
 152 2j1b_2016__met_300_400EwktH_2j1b_2016__met_300_400Rate
 153 2b_2017__met_200_2000EwktH_2j2b_2017__met_200_2000Rate
 154 11b_2017__met_400_2000EwktH_11b_2017__met_400_2000Rate
 155 nlo_qcd_fact
 156 11b_2017__met_400_2000EwktH_5j1b_2017__met_400_2000Rate
 157 6j2b_2016__met_300_400EwktH_6j2b_2016__met_300_400Rate
 158 1w2b_2017__met_300_400EwktH_1w2b_2017__met_300_400Rate
 159 11b_2017__met_300_400EwktH_11b_2017__met_300_400Rate
 160 11b_2016__met_200_300EwktH_11b_2016__met_200_300Rate
 161 12b_2016__met_400_2000EwktH_5j2b_2016__met_400_2000Rate
 162 VH_xs_pdf_and_aS
 163 2b_2018__met_400_2000EwktH_6j2b_2018__met_400_2000Rate
 164 1w2b_2016__met_300_400EwktH_1w2b_2016__met_300_400Rate
 165 6j2b_2017__met_300_400EwktH_6j2b_2017__met_300_400Rate
 166 6j1b_2018__met_300_400EwktH_6j1b_2018__met_300_400Rate
 167 11b_2016__met_300_400EwktH_11b_2016__met_300_400Rate
 168 11b_2018__met_300_400EwktH_11b_2018__met_300_400Rate
 169 112b_2017__met_400_600EwktH_112b_2017__met_400_600Rate
 170 11b_2017__met_400_2000EwktH_11b_2017__met_400_2000Rate
 171 12b_2017__met_400_2000EwktH_5j2b_2017__met_400_2000Rate
 172 qcd_pred_2017
 173 2b_2017__met_400_2000EwktH_2j0b_2017__met_400_2000Rate
 174 112b_2016__met_400_600EwktH_112b_2016__met_400_600Rate
 175 2b_2016__met_200_300EwktH_2Boosted_2016__met_200_300Rate
 176 photonIDIso_tight
 177 6j1b_2016__met_200_300EwktH_6j1b_2016__met_200_300Rate
 178 11b_2016__met_400_2000EwktH_11b_2016__met_400_2000Rate
 179 2b_2016__met_400_2000EwktH_6j2b_2016__met_400_2000Rate
 180 2j1b_2017__met_300_400EwktH_2j1b_2017__met_300_400Rate



● Pull +1σ Impact -1σ Impact

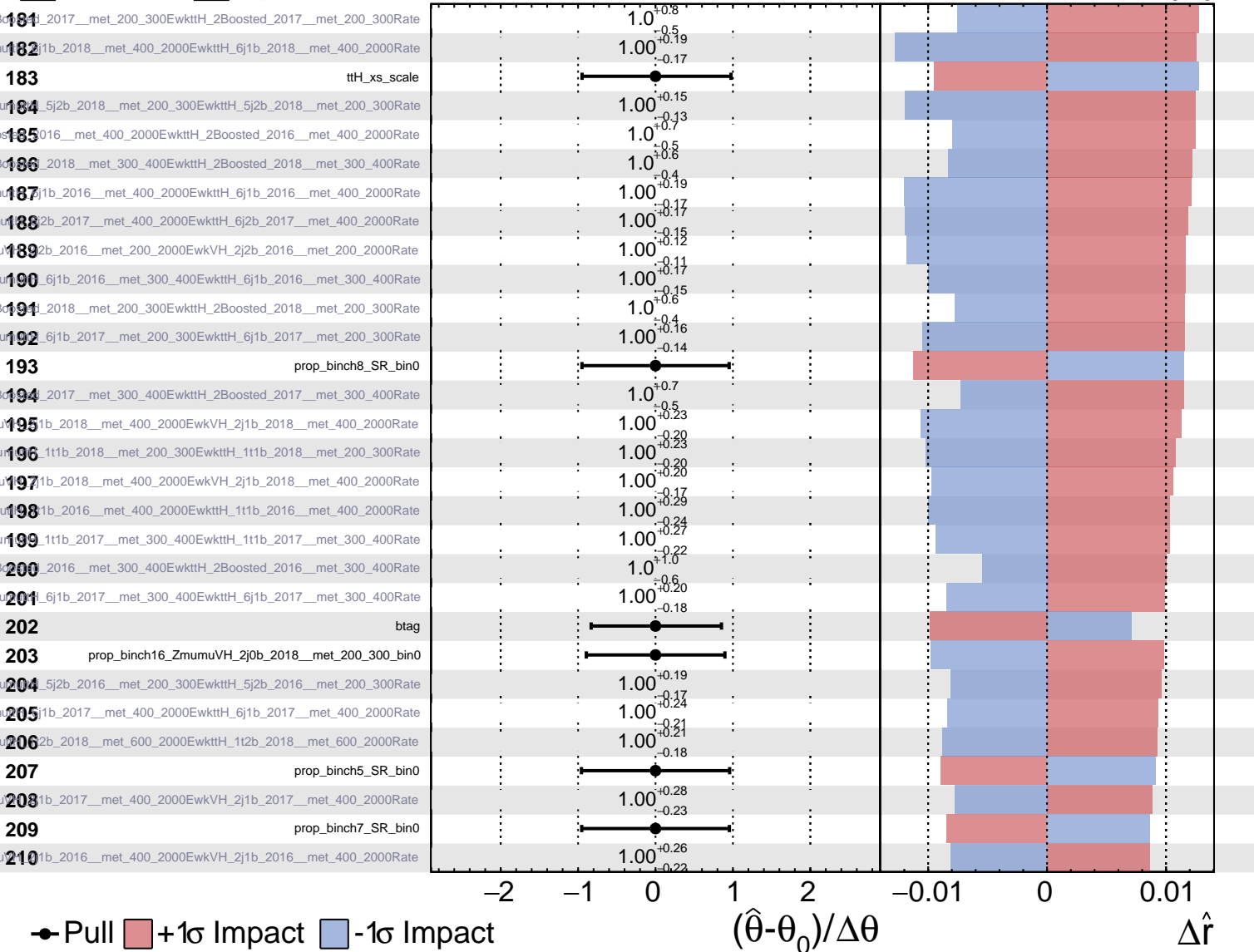
$(\hat{\theta} - \theta_0) / \Delta\theta$

$\Delta\hat{r}$

Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

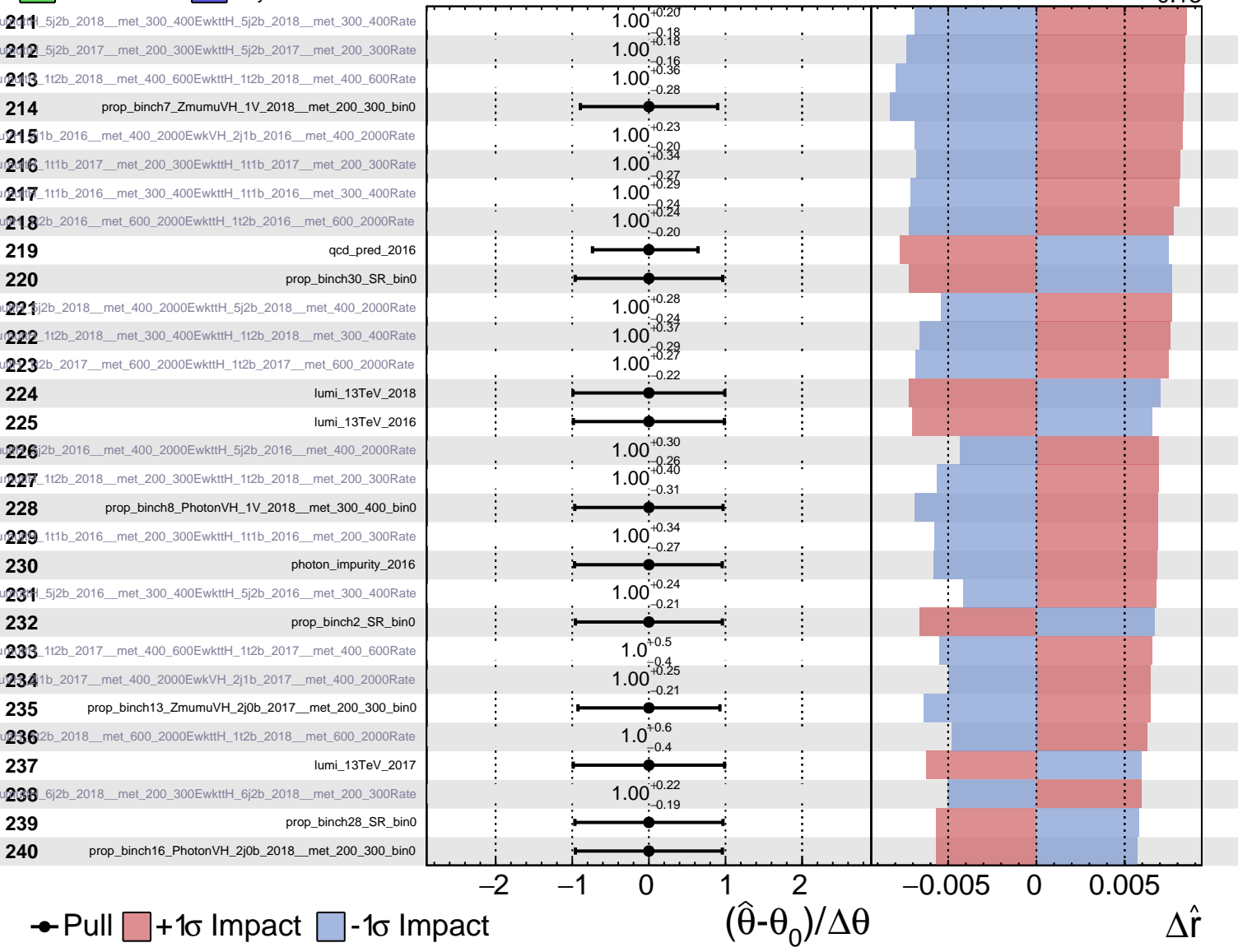
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

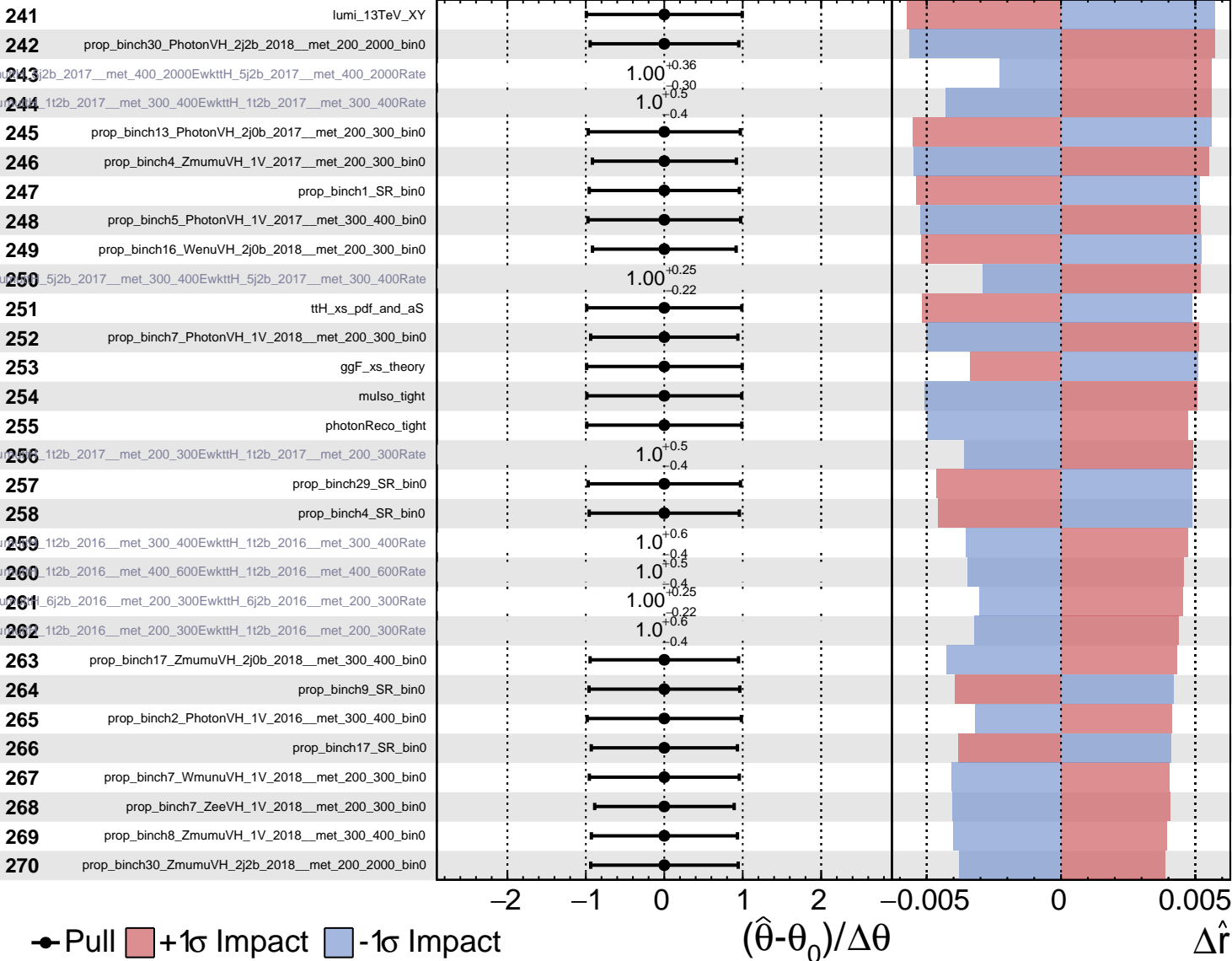
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 AsymmetricGaussian
 Poisson

CMS *Internal*

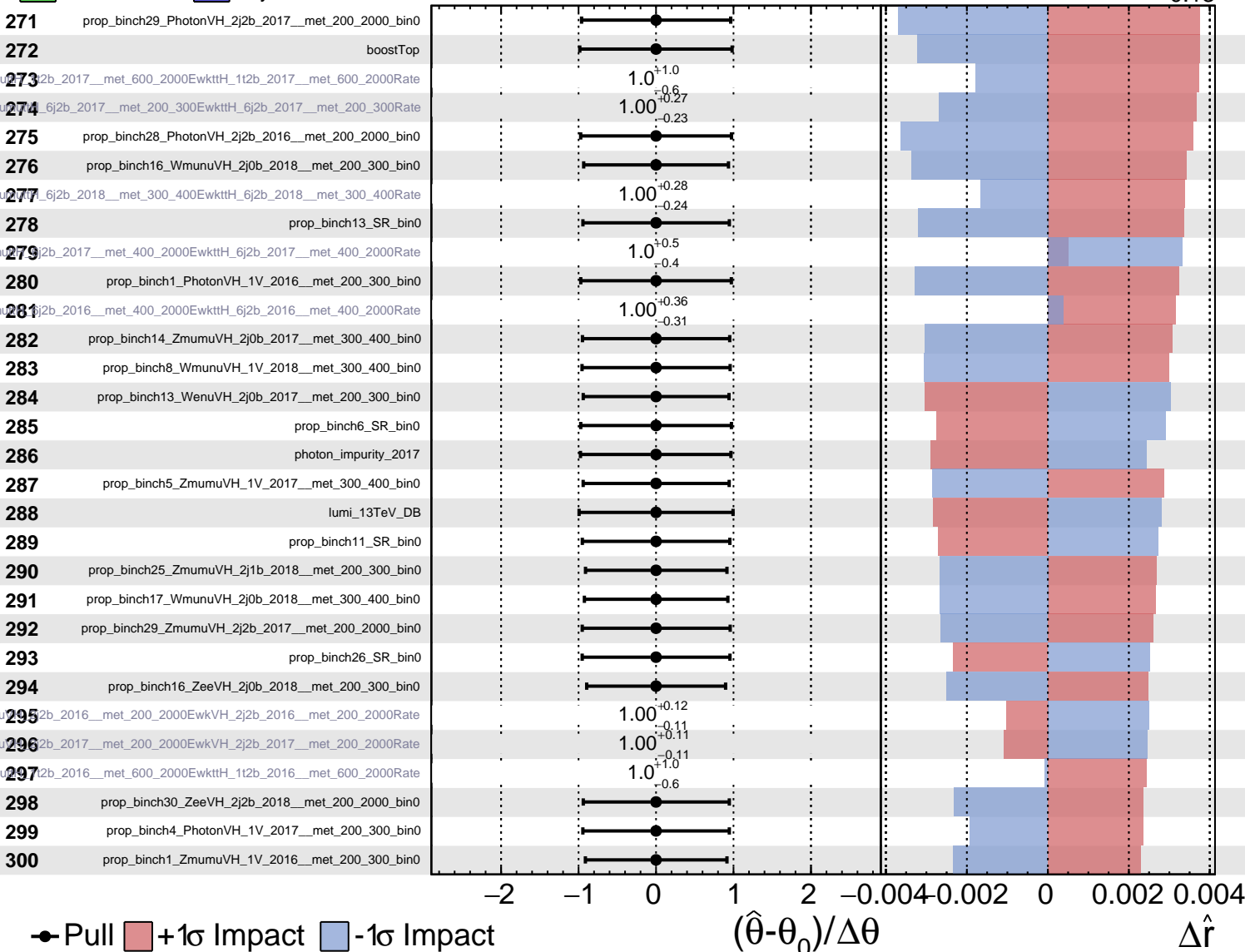
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$



Pull
 +1 σ Impact
 -1 σ Impact

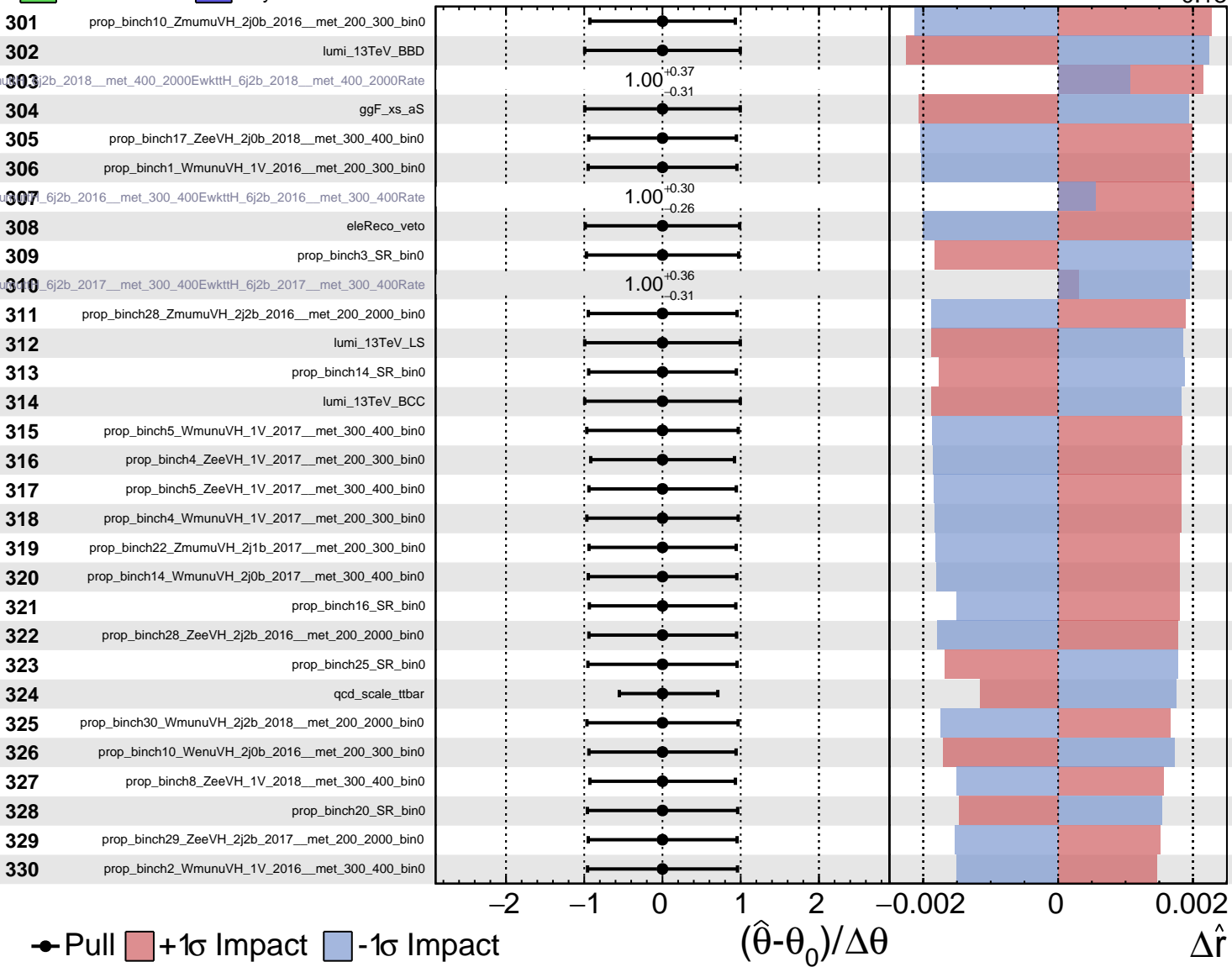
$(\hat{\theta} - \theta_0) / \Delta\theta$

$\Delta\hat{r}$

Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$



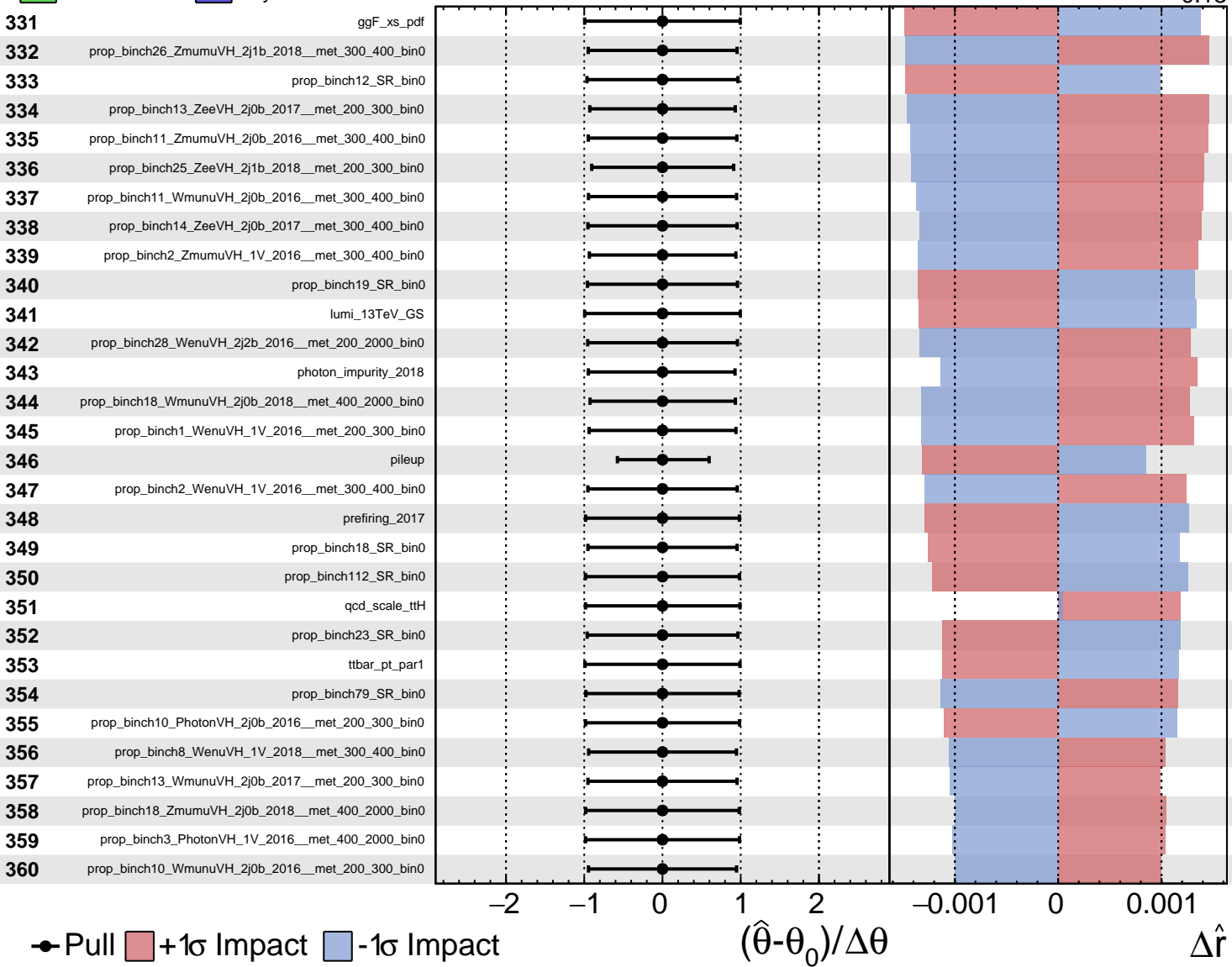
● Pull +1σ Impact -1σ Impact

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

Unconstrained
 Poisson
 Gaussian
 AsymmetricGaussian

CMS *Internal*

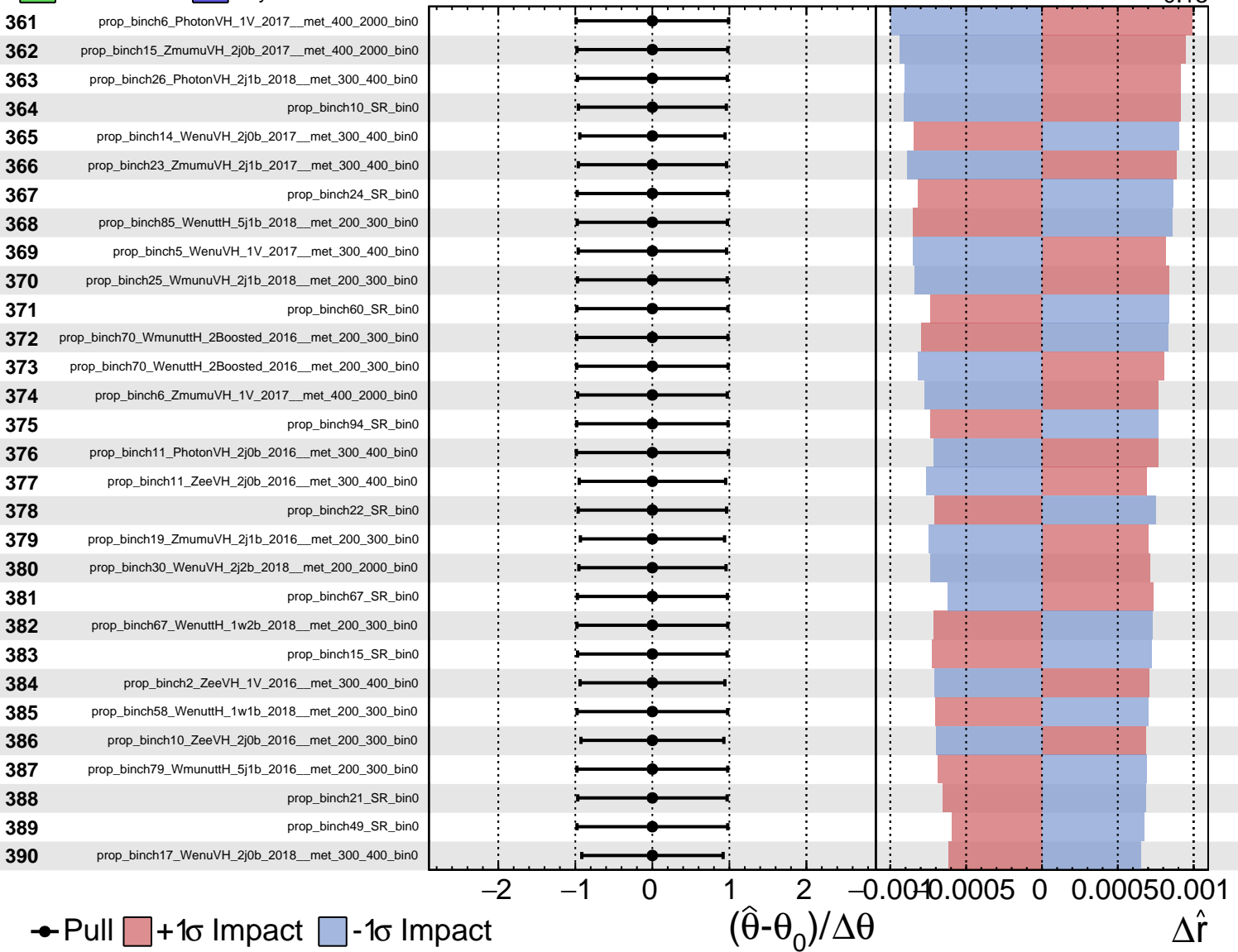
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

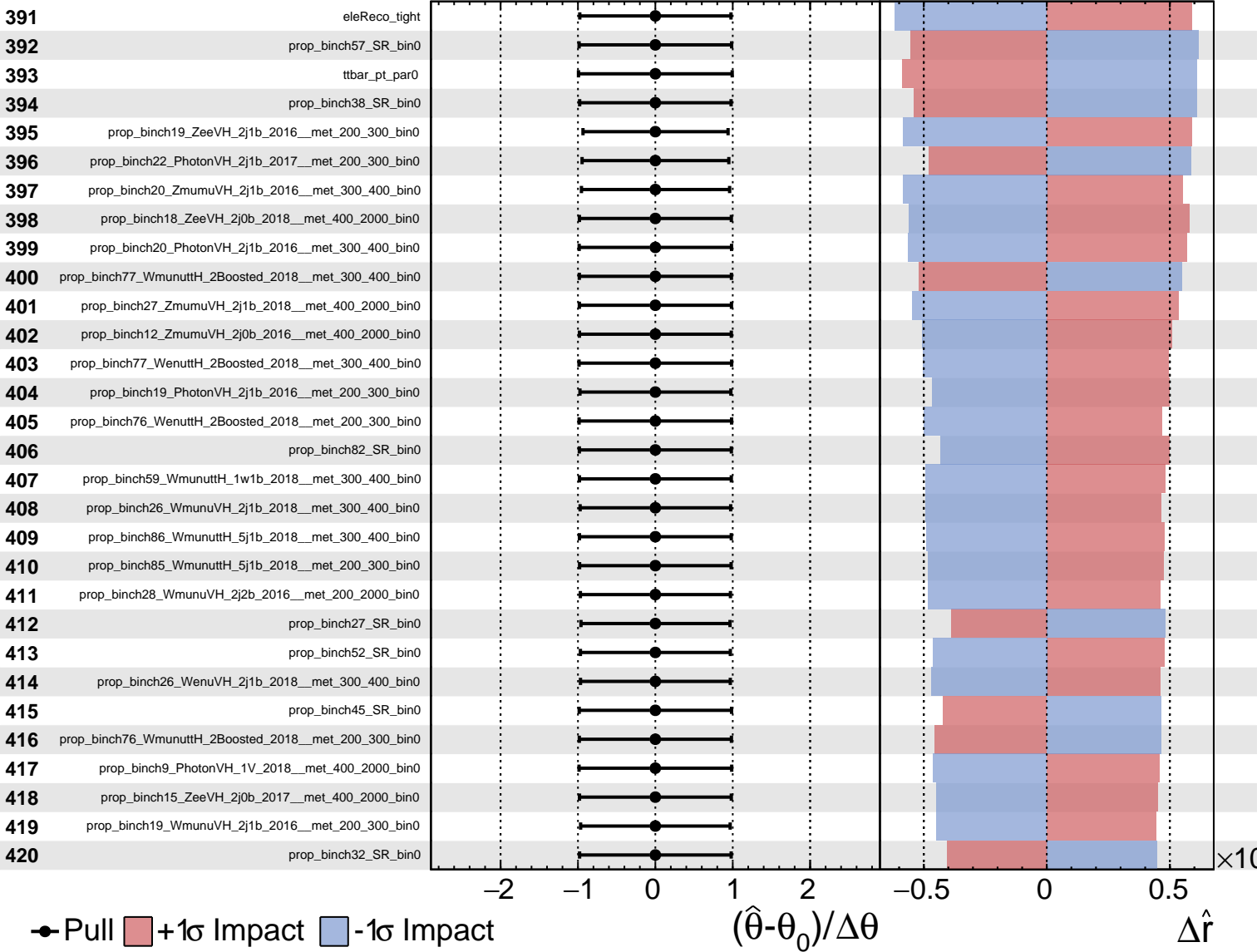
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

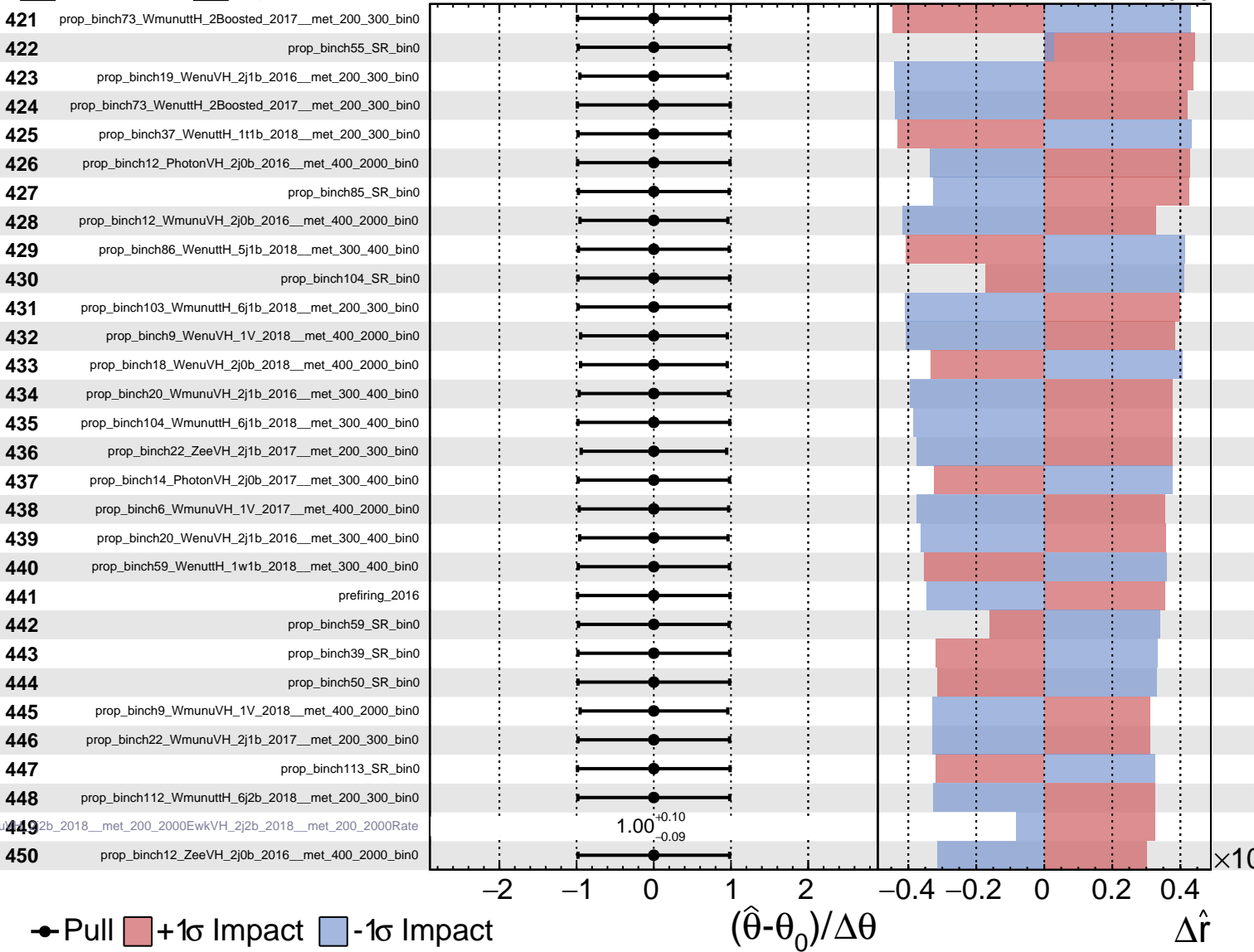
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

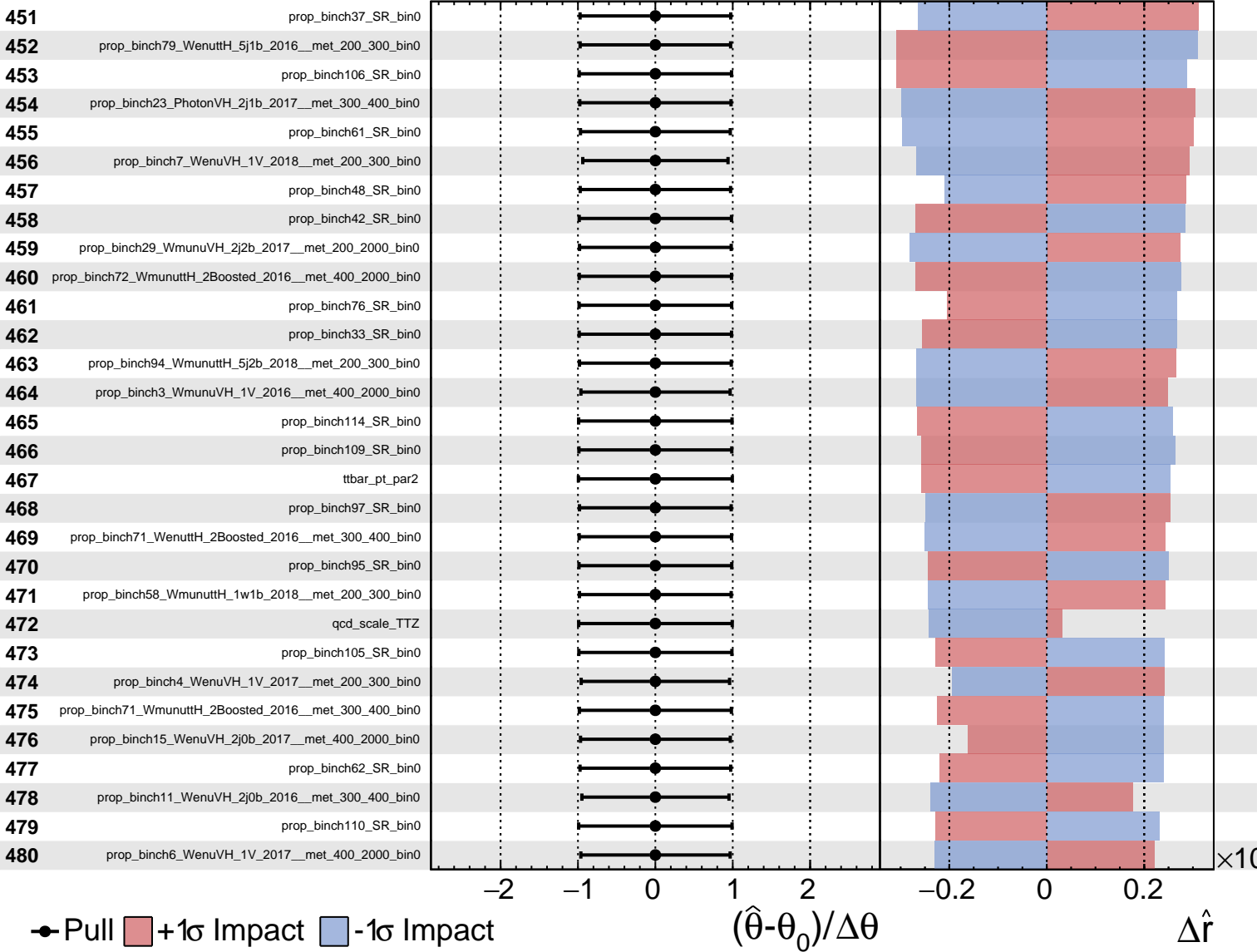
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

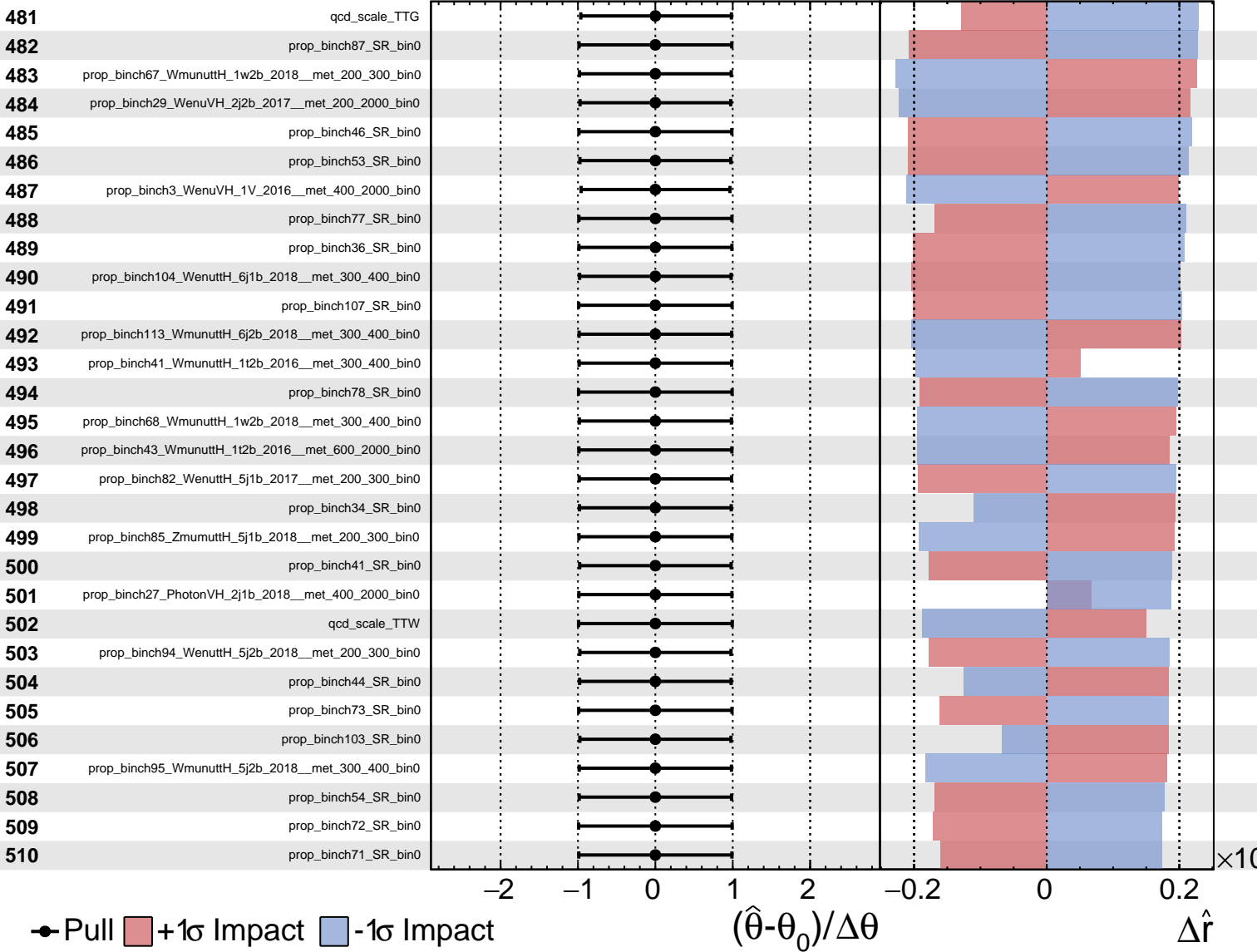
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

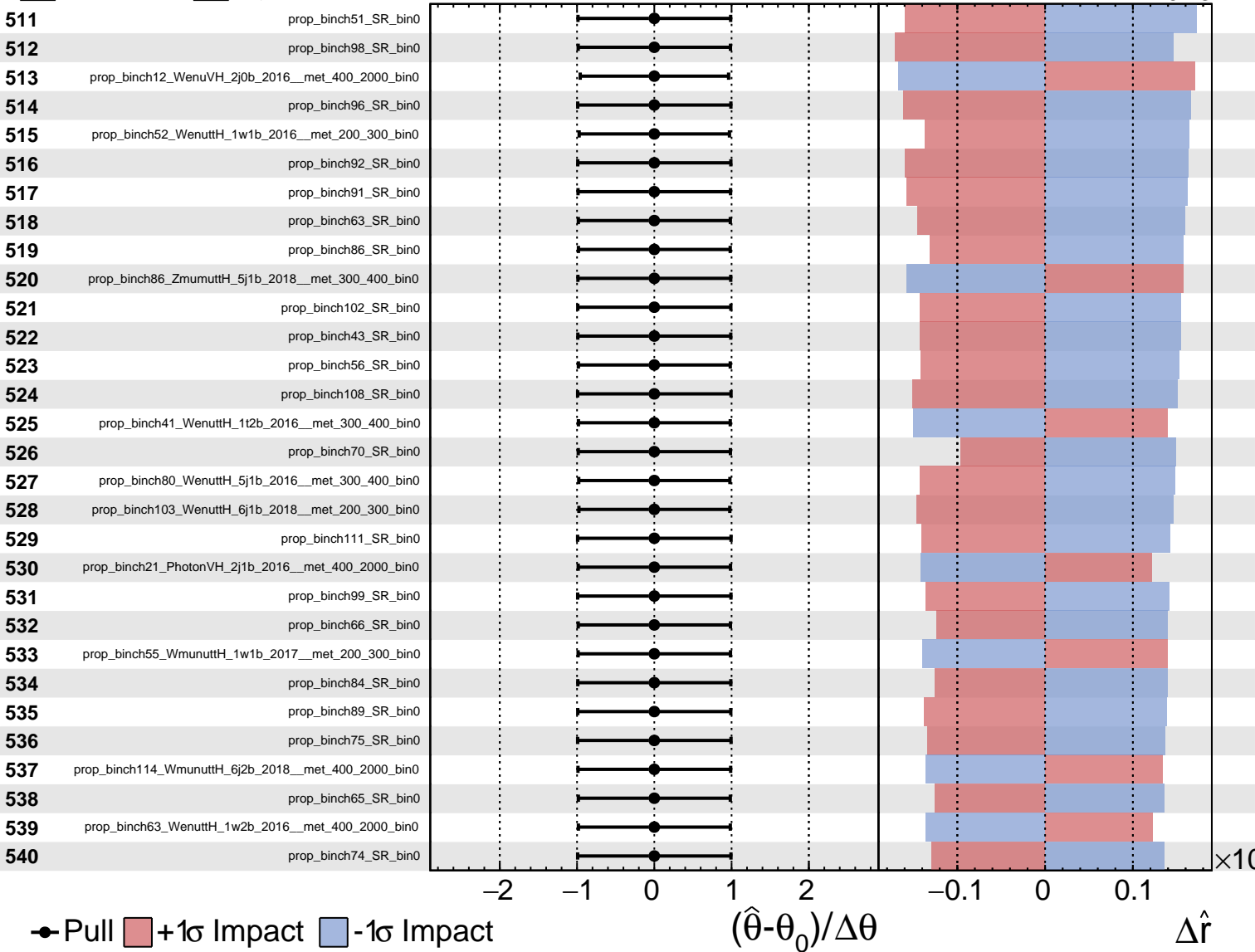
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

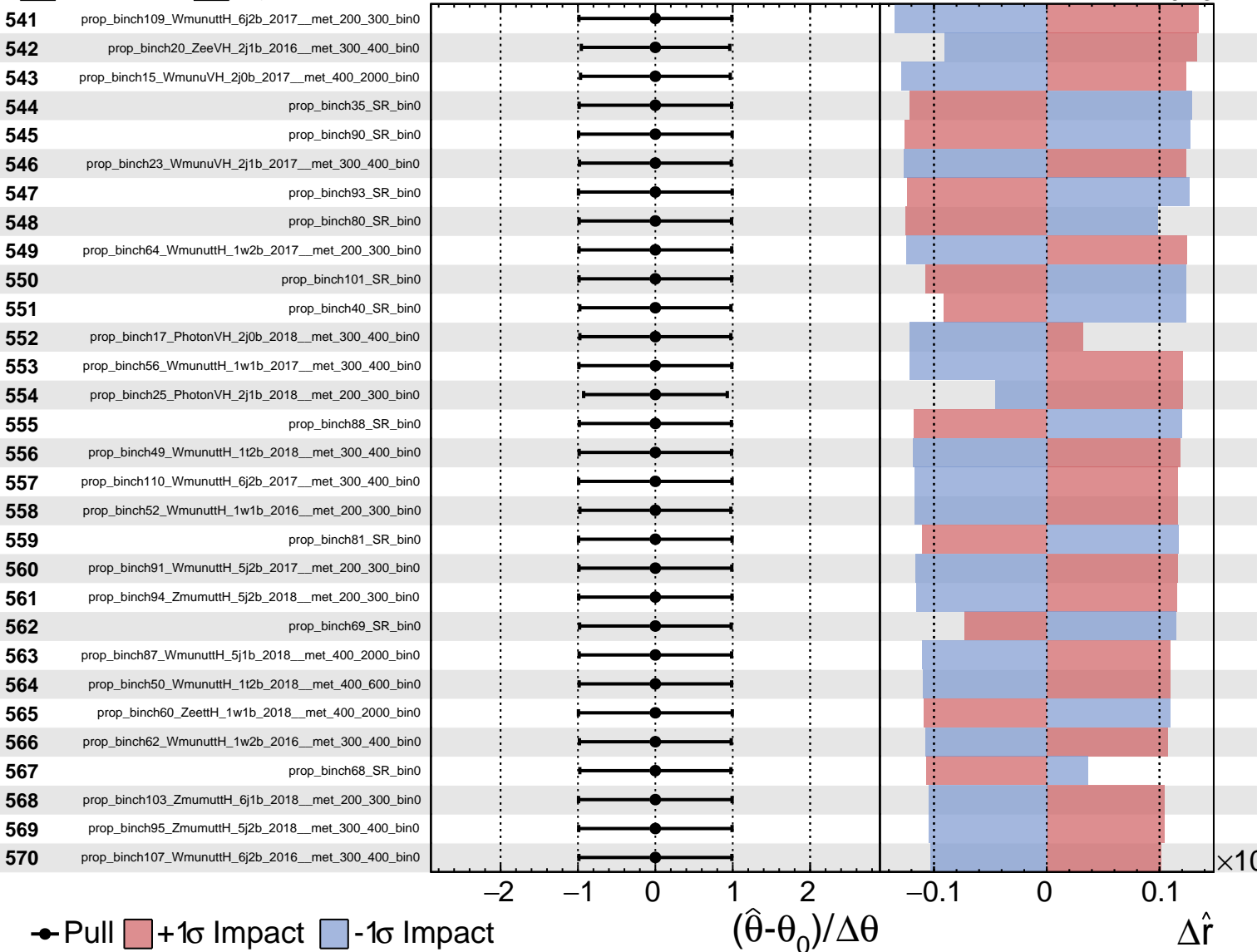
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

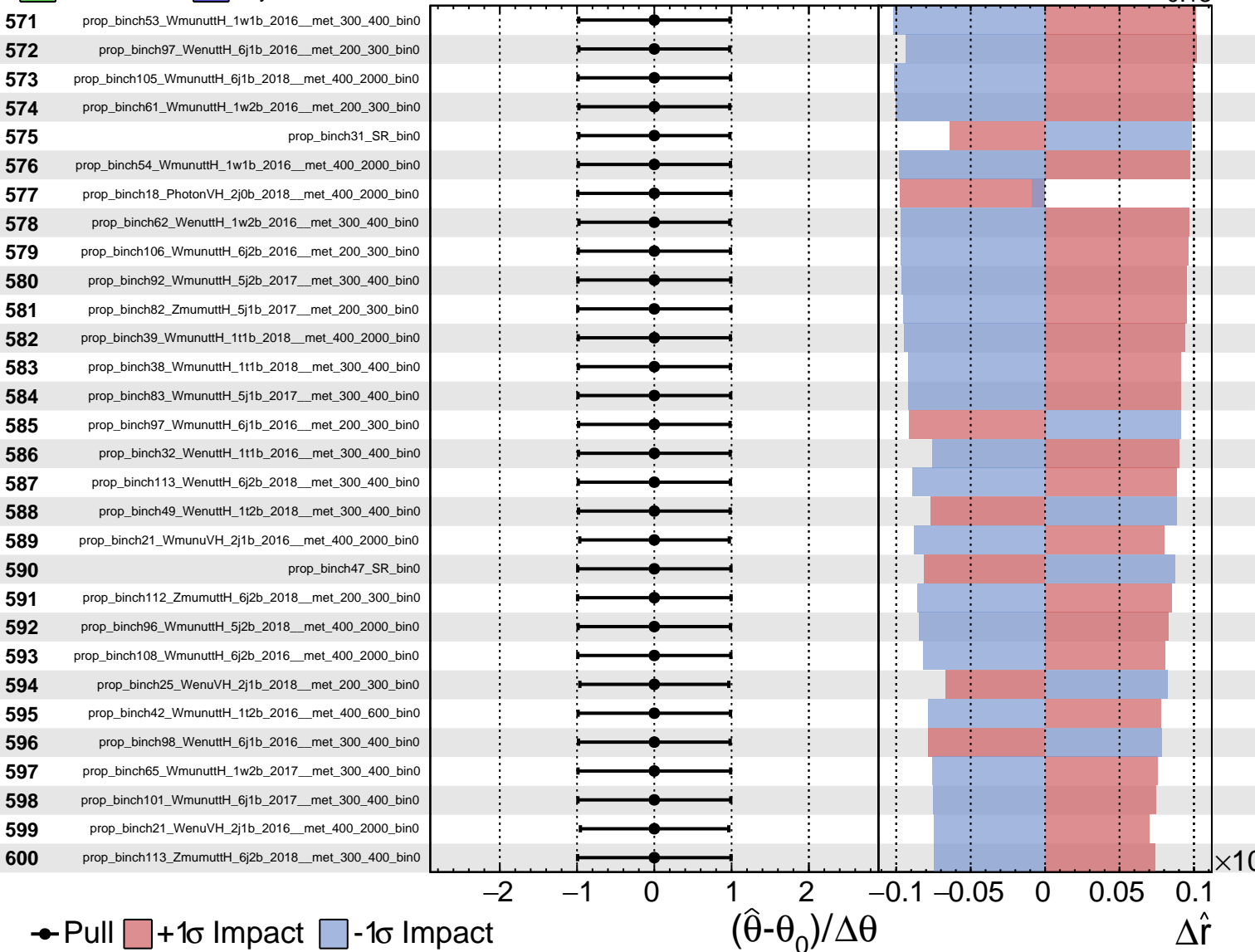
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

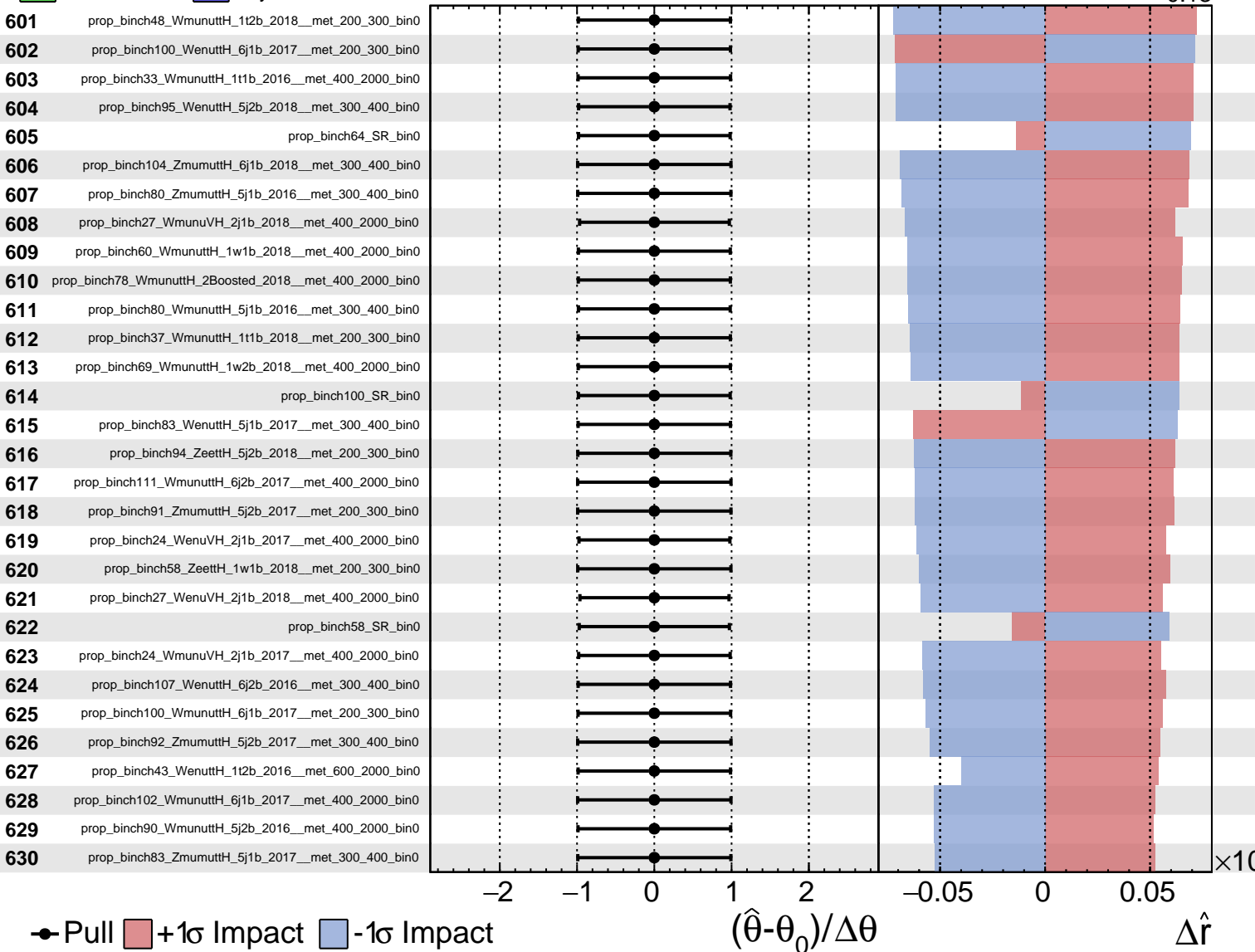
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

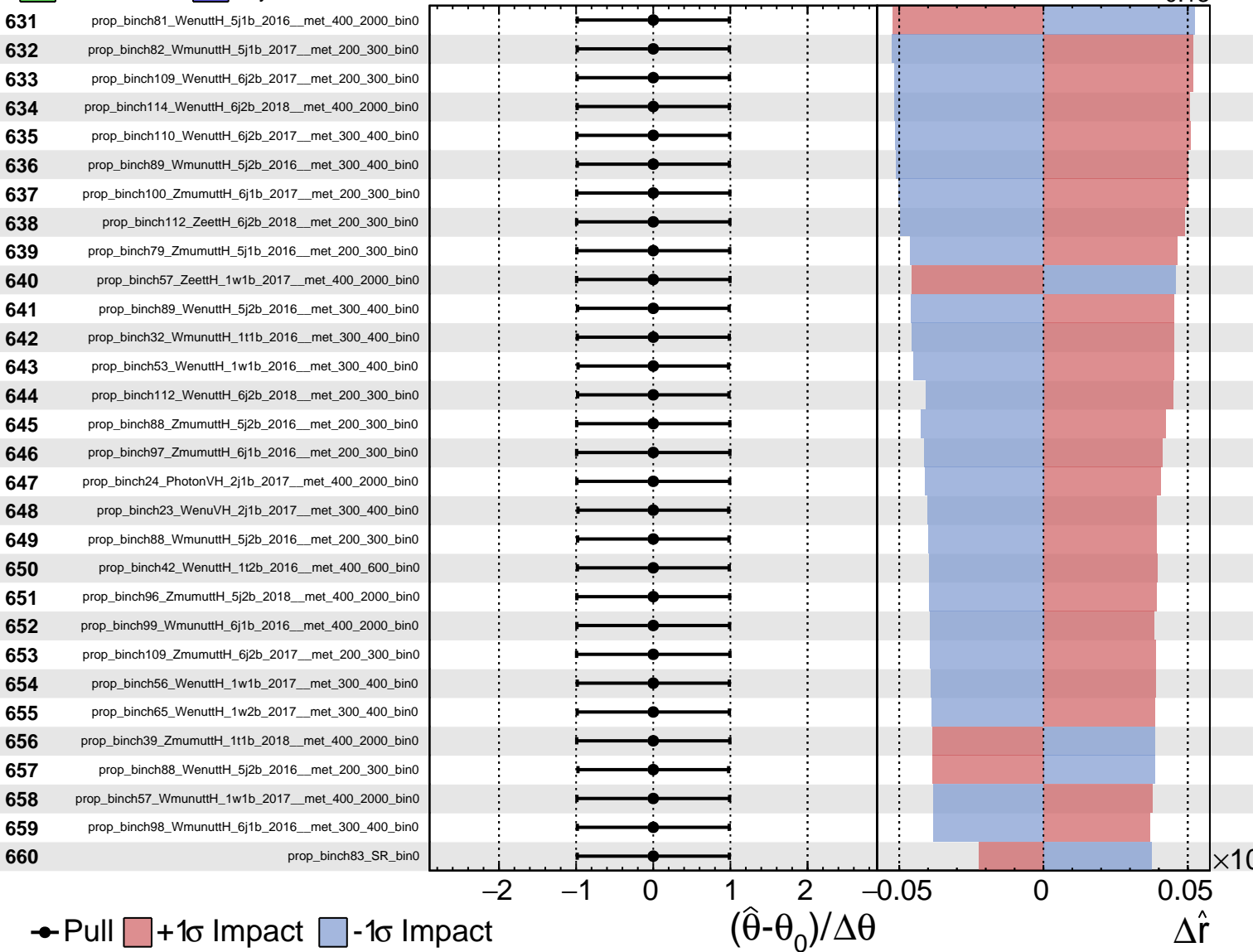
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

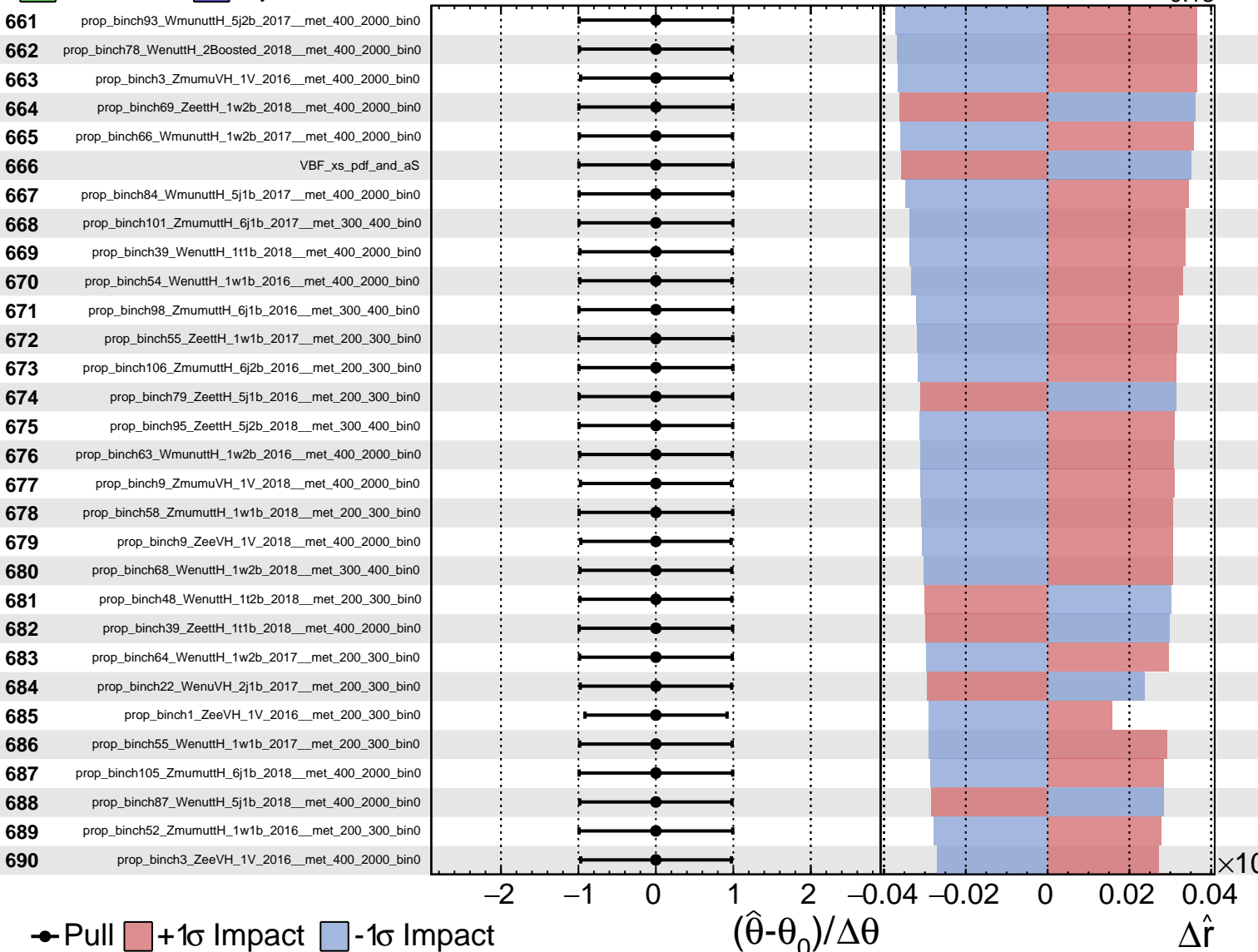
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

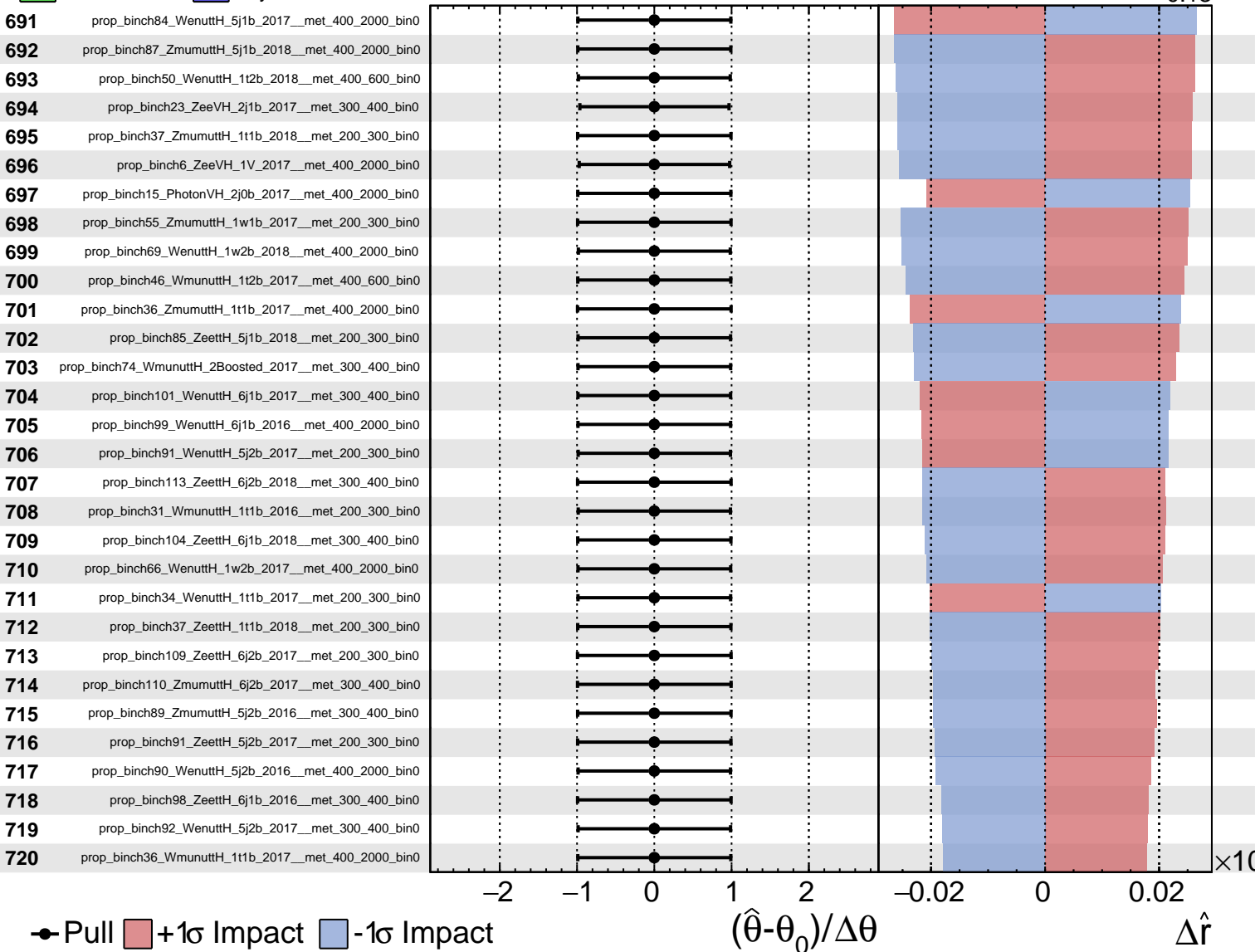
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

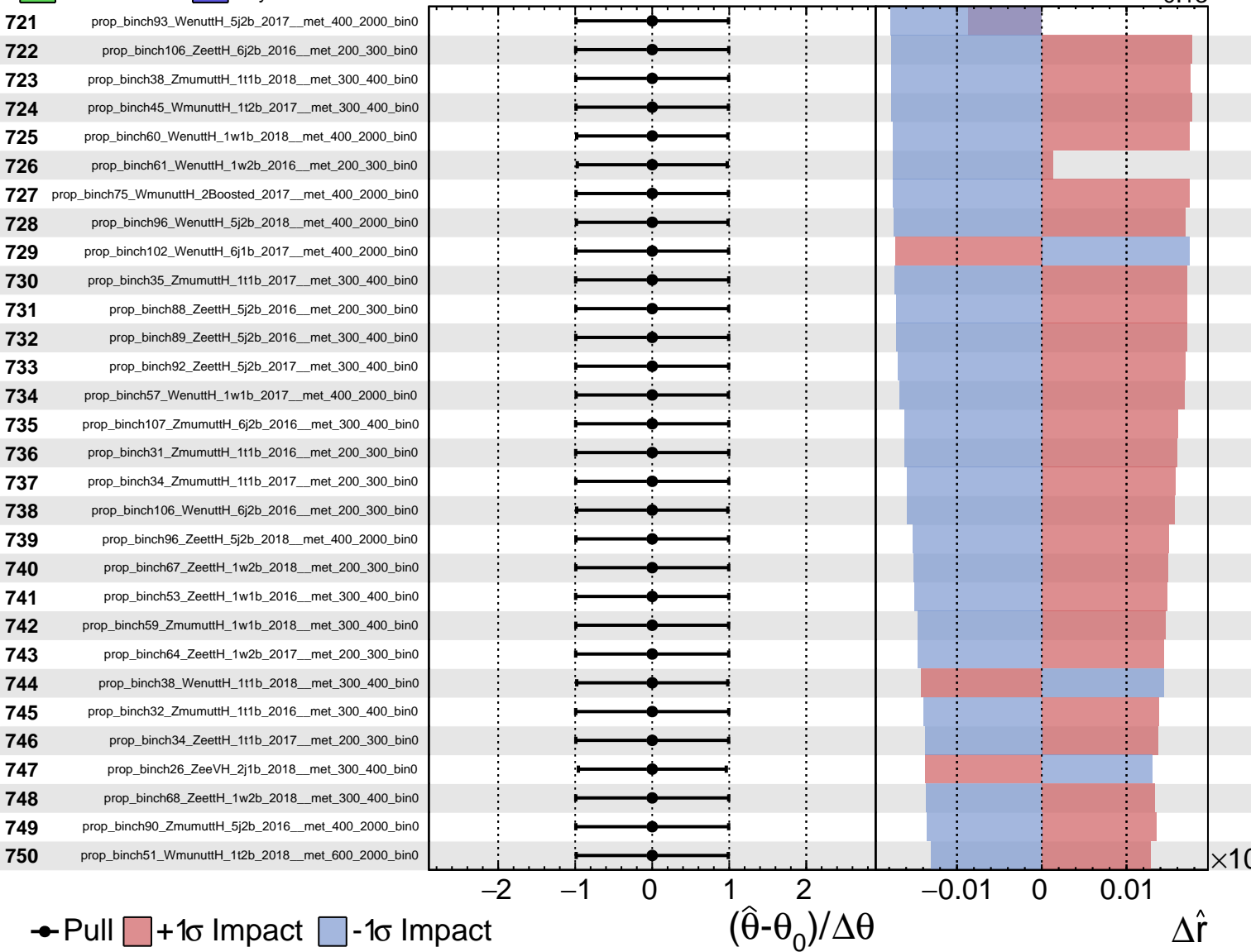
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

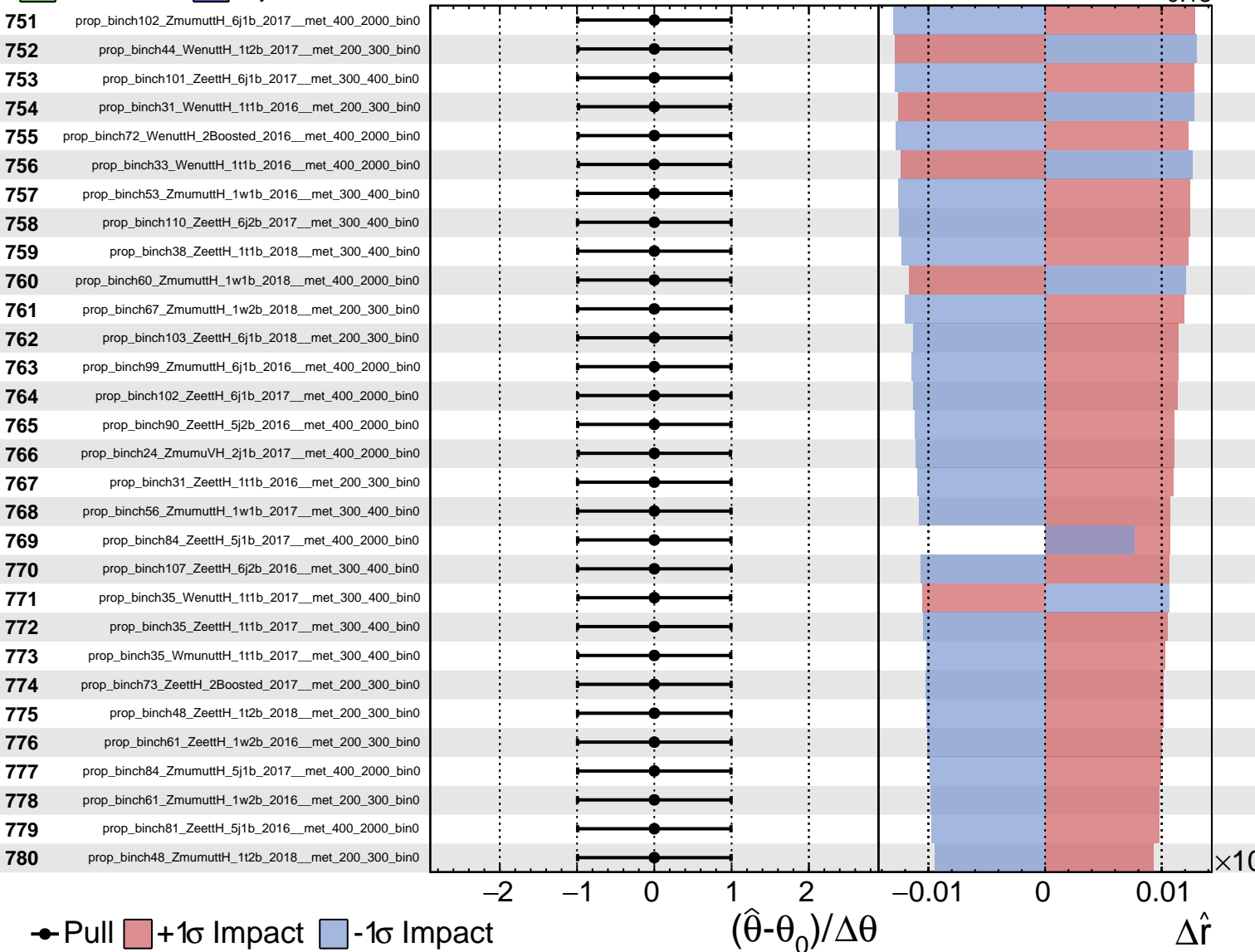
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

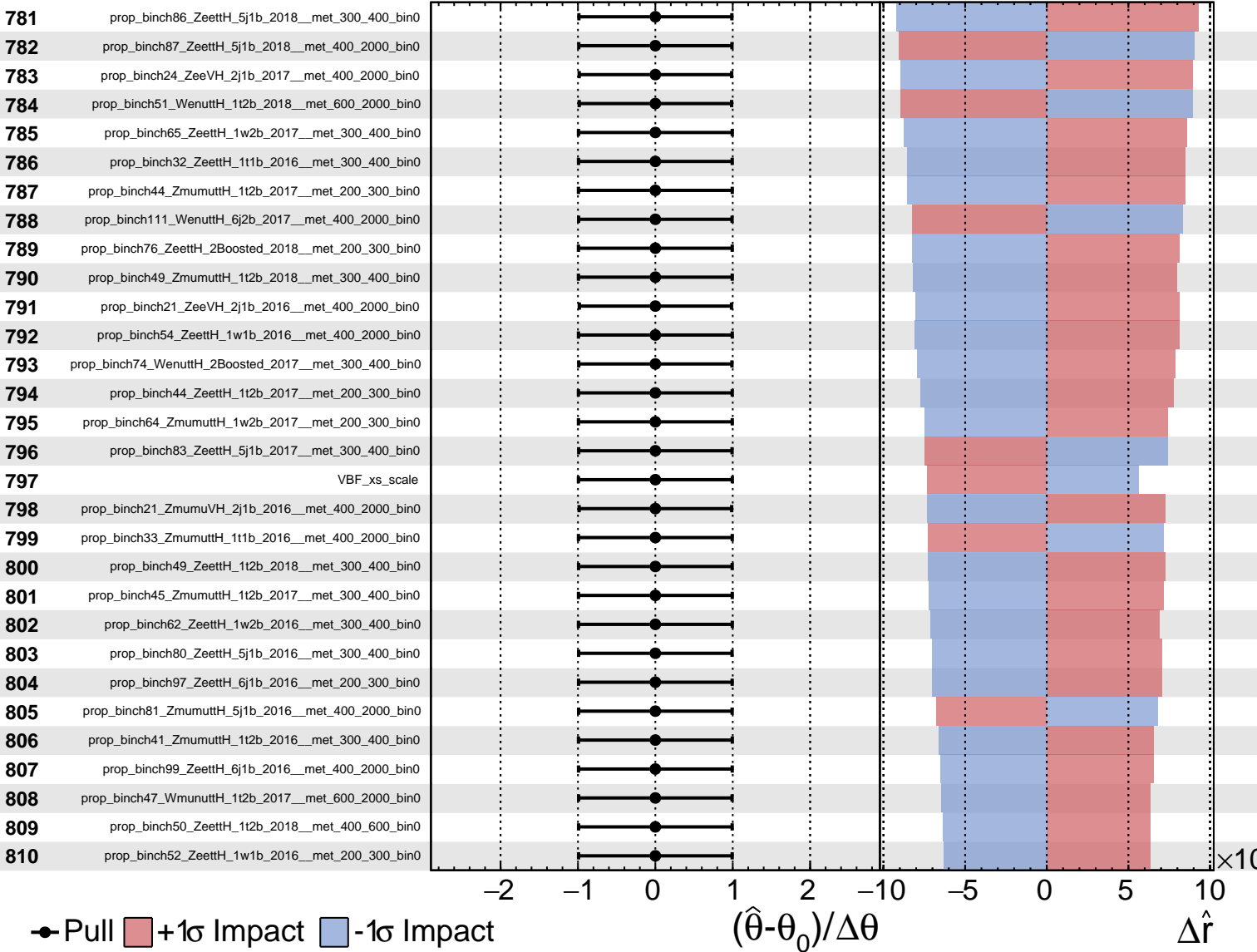
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

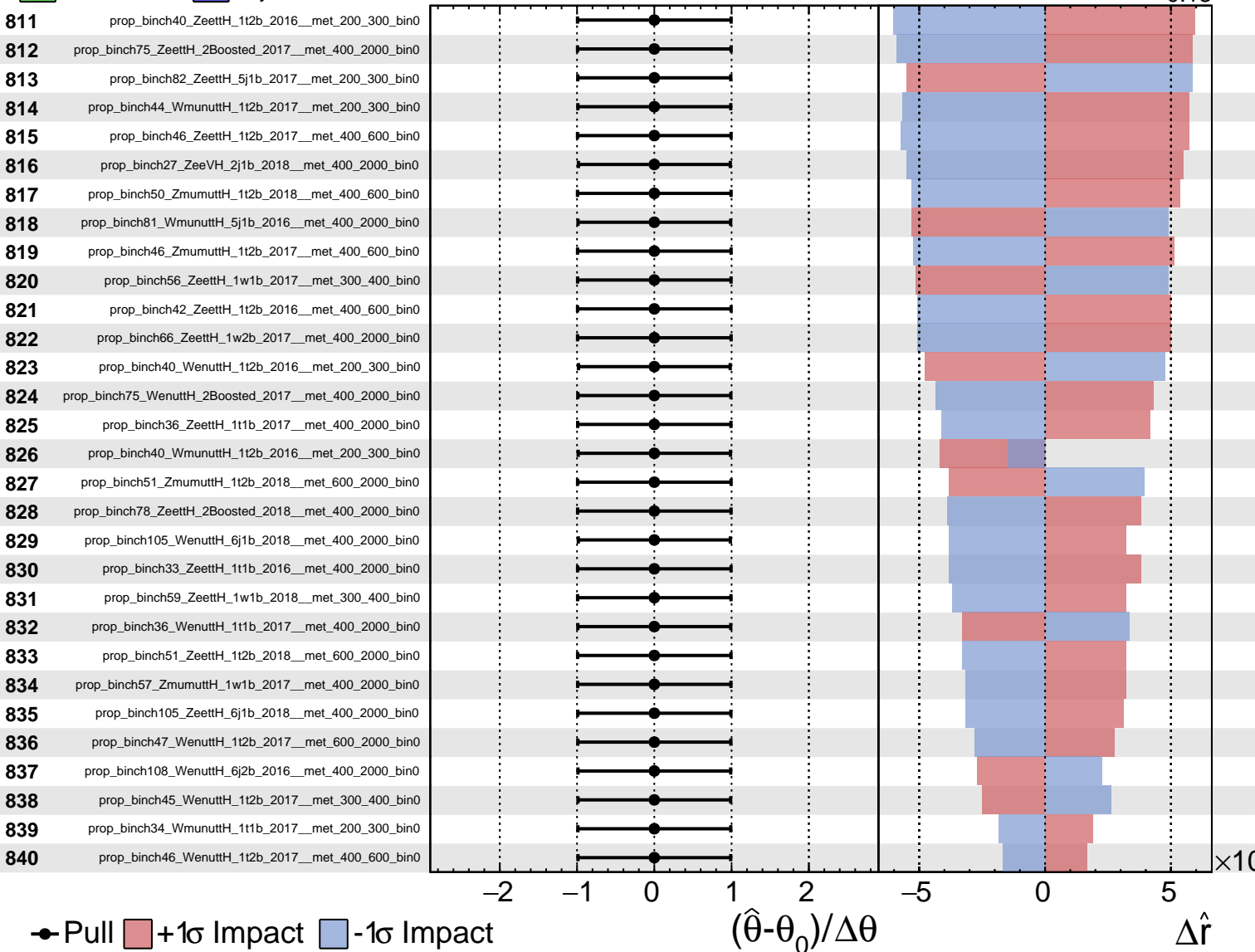
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
 AsymmetricGaussian

CMS *Internal*

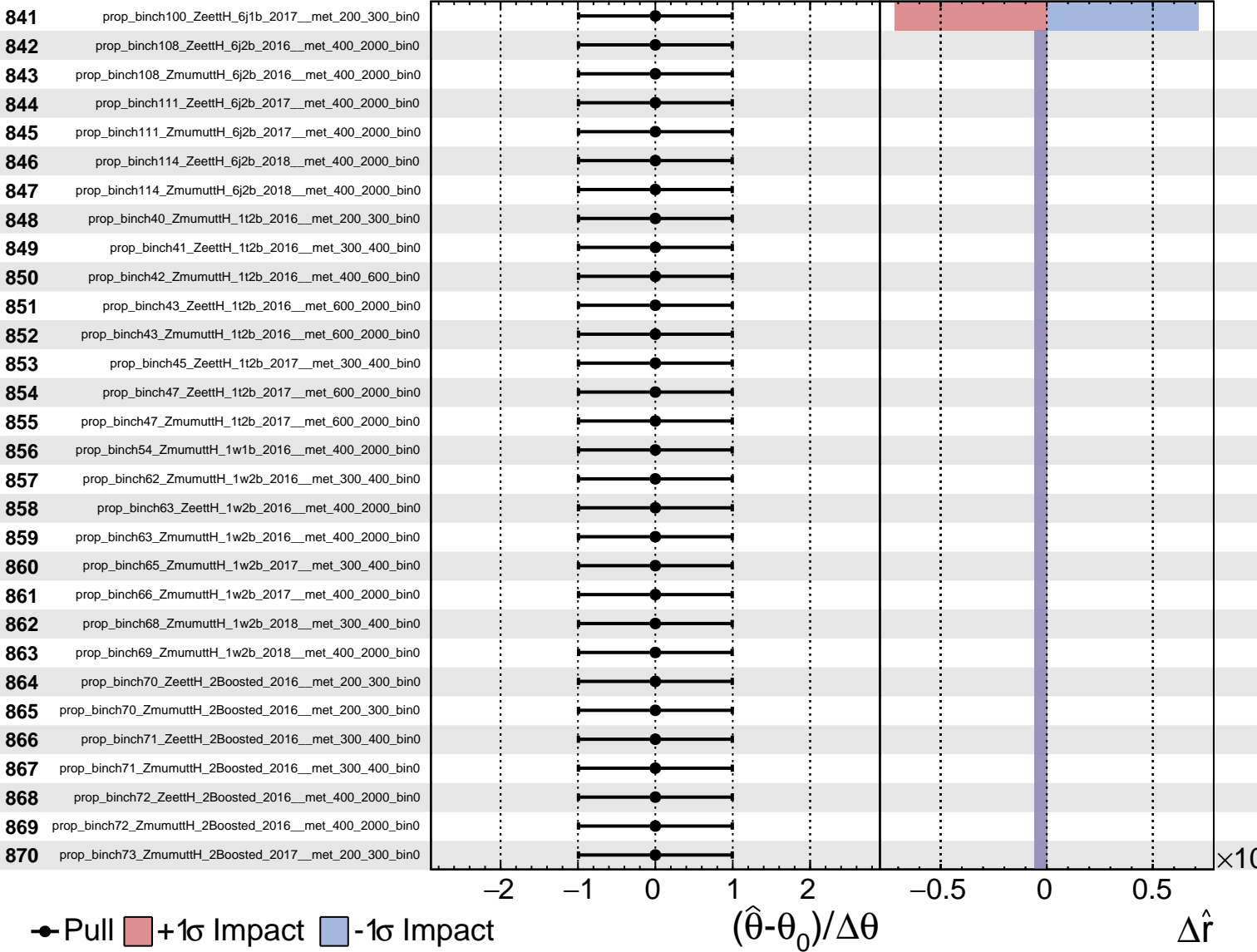
$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Gaussian
 Poisson
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CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$



Unconstrained
 Poisson
 AsymmetricGaussian

CMS *Internal*

$\hat{r} = 1.00^{+0.14}_{-0.13}$

