

alpha\_ATLAS\_LUMI\_Run2

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_2\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_16\_dEta\_3\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_2\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_17\_dEta\_3\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_2\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_E\_ggf\_18\_dEta\_3\_Xhh\_2

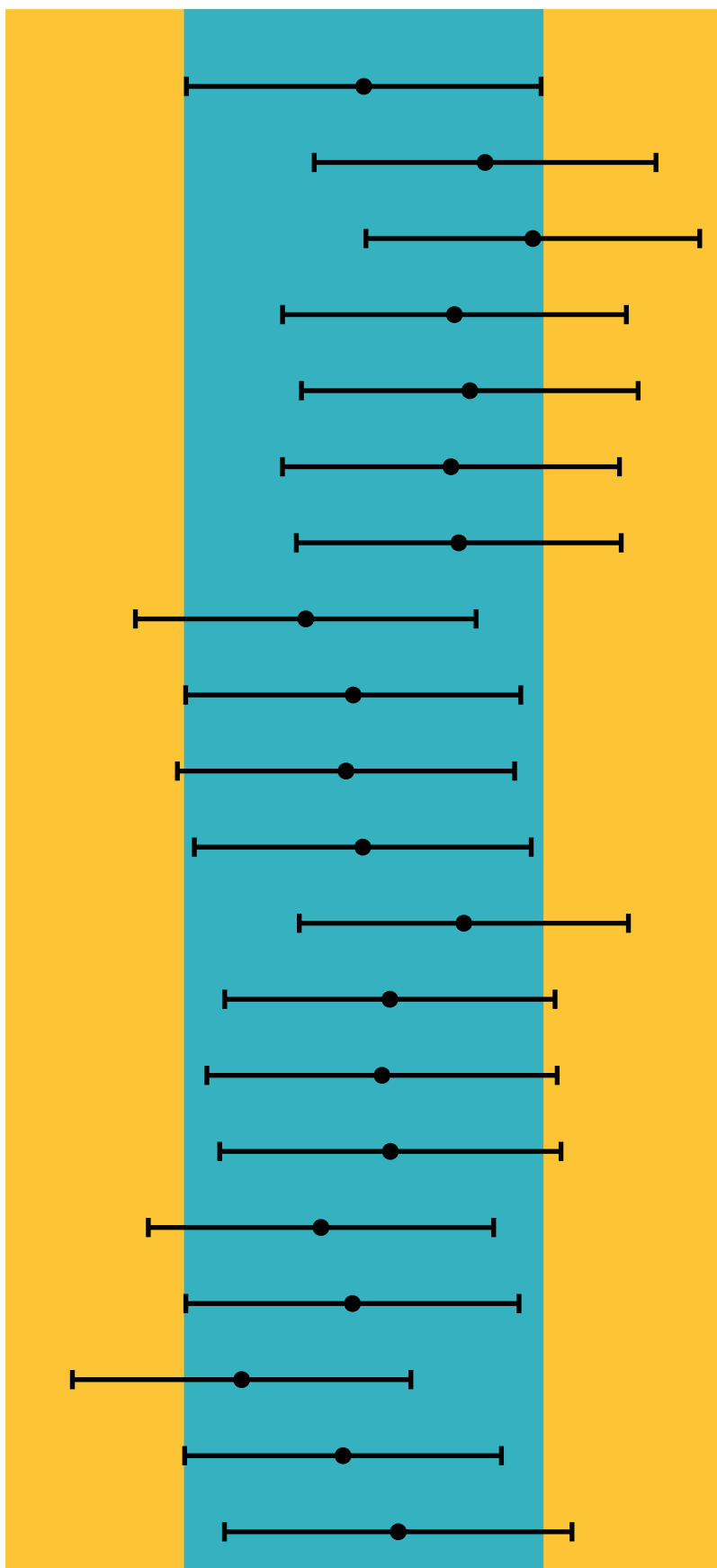
alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_1\_Xhh\_1

**ATLAS** Internal

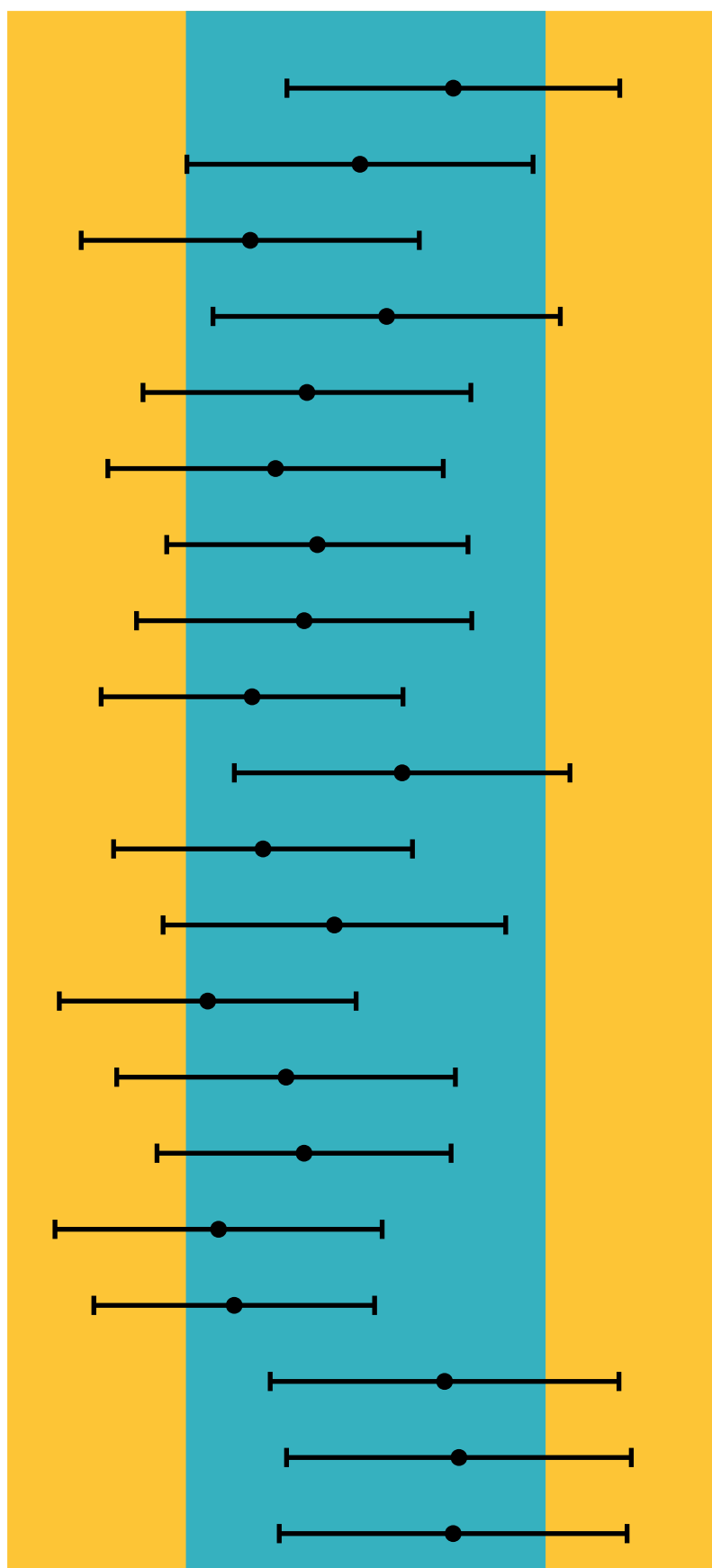
$\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$

—●— Nuis. Param. Pull

—3 —2 —1 0 1 2 3  
 $(\hat{\theta} - \theta_0)/\Delta\theta$



alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_1\_Xhh\_2  
 alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_2\_Xhh\_1  
 alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_2\_Xhh\_2  
 alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_3\_Xhh\_1  
 alpha\_CR12\_shape\_N\_ggf\_16\_dEta\_3\_Xhh\_2  
 alpha\_CR12\_shape\_N\_ggf\_17\_dEta\_1\_Xhh\_1  
 alpha\_CR12\_shape\_N\_ggf\_17\_dEta\_1\_Xhh\_2  
 alpha\_CR12\_shape\_N\_ggf\_17\_dEta\_2\_Xhh\_1  
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 alpha\_CR12\_shape\_N\_ggf\_18\_dEta\_3\_Xhh\_1  
 alpha\_CR12\_shape\_N\_ggf\_18\_dEta\_3\_Xhh\_2  
 alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_1\_Xhh\_1  
 alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_1\_Xhh\_2  
 alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_2\_Xhh\_1



**ATLAS** Internal

$\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$

—●— Nuis. Param. Pull

-3 -2 -1 0 1 2 3  
 $(\hat{\theta} - \theta_0)/\Delta\theta$

alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_16\_dEta\_3\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_2\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_17\_dEta\_3\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_2\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_3\_Xhh\_1

alpha\_CR12\_shape\_S\_ggf\_18\_dEta\_3\_Xhh\_2

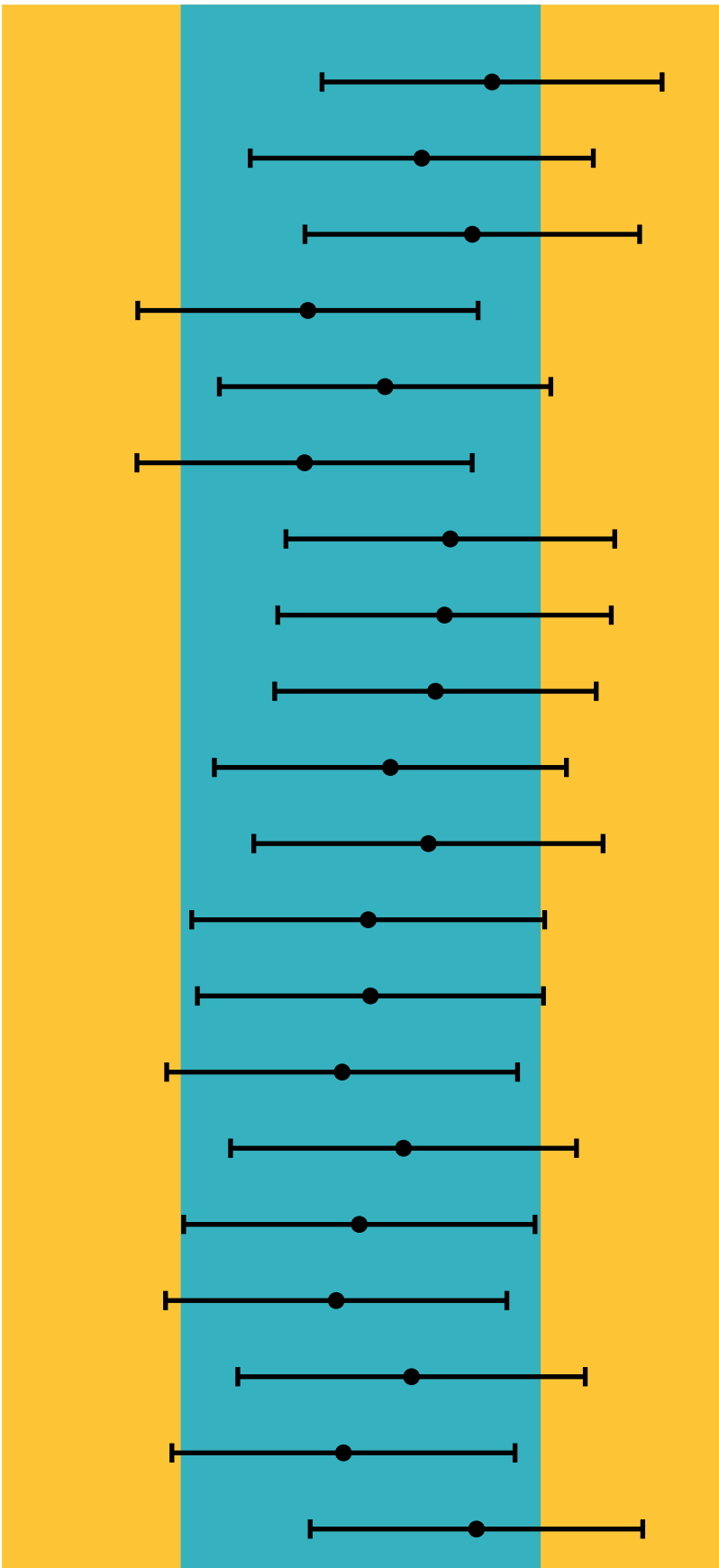
alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_1\_Xhh\_1

alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_1\_Xhh\_2

alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_2\_Xhh\_1

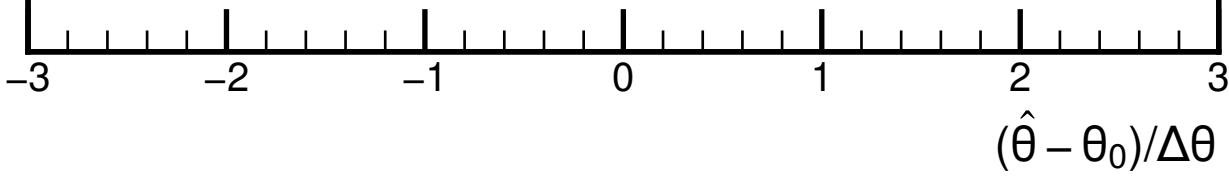
alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_2\_Xhh\_2

alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_3\_Xhh\_1



**ATLAS** Internal      —●— Nuis. Param. Pull

$\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$



alpha\_CR12\_shape\_W\_ggf\_16\_dEta\_3\_Xhh\_2  
alpha\_CR12\_shape\_W\_ggf\_17\_dEta\_1\_Xhh\_1  
alpha\_CR12\_shape\_W\_ggf\_17\_dEta\_1\_Xhh\_2  
alpha\_CR12\_shape\_W\_ggf\_17\_dEta\_2\_Xhh\_1  
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alpha\_CR12\_shape\_W\_ggf\_17\_dEta\_3\_Xhh\_1  
alpha\_CR12\_shape\_W\_ggf\_17\_dEta\_3\_Xhh\_2  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_1\_Xhh\_1  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_1\_Xhh\_2  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_2\_Xhh\_1  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_2\_Xhh\_2  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_3\_Xhh\_1  
alpha\_CR12\_shape\_W\_ggf\_18\_dEta\_3\_Xhh\_2  
  
alpha\_FT\_EFF\_Eigen\_B\_0  
alpha\_FT\_EFF\_Eigen\_B\_1  
alpha\_FT\_EFF\_Eigen\_B\_2  
alpha\_FT\_EFF\_Eigen\_C\_0  
alpha\_FT\_EFF\_Eigen\_C\_1  
alpha\_FT\_EFF\_Eigen\_C\_2  
alpha\_FT\_EFF\_Eigen\_C\_3

