

Theory uncertainties

PDF and α_s

PDF set and α_s HH	3.0%
m_{top} unc HH	2.6%
PDF set ggH	1.8%
α_s ggH	2.59 – 2.62%
PDF set and α_s VBFH	2.1%
PDF set and α_s ZH	1.6%
PDF set and α_s WH	1.3%
PDF set and α_s bbH	3.2%
PDF set and α_s ttH	3.6%
PDF set and α_s qqZZ	3.1 – 3.4%
PDF set and α_s ttW	25 – 37.5%
PDF set and α_s ttZ	7 – 14%
PDF set and α_s VVV	2 – 17%
PDF set and α_s ggZZ	3.2%

QCD scale

HH	2.2 – 5%
ggH	4.27 – 6.49%
VBFH	0.3 – 0.4%
ZH	2.7 – 3.5%
WH	0.5%
bbH	4.6 – 6.7%
ttH	6.0 – 9.2%
qqZZ	3.2 – 4.2%
ttW	3 – 4%
ttZ	2 – 3%
VVV	3%
ggZZ	4.6 – 6.7%

Electroweak corrections

qqZZ	0.1%
ggZZ	10.0%