

ATLAS Internal

$\text{BR}(t \rightarrow Hc) = 0$

$\sqrt{s} = 13 \text{ TeV}, 36.1 \text{ fb}^{-1}$

— Total

— Stat.

tot (stat syst)

$H \rightarrow b\bar{b}$

0.02 $^{+0.27}_{-0.30}$ ($^{+0.08}_{-0.07}$ $^{+0.25}_{-0.29}$)

$H \rightarrow \tau\tau$ ($\tau_{\text{lep}}\tau_{\text{had}}, \tau_{\text{had}}\tau_{\text{had}}$)

-0.05 $^{+0.09}_{-0.08}$ ($^{+0.07}_{-0.07}$ $^{+0.05}_{-0.04}$)

$H \rightarrow WW^*, \tau\tau, ZZ^* (2\ell SS, 3\ell)$

0.04 $^{+0.08}_{-0.07}$ ($^{+0.06}_{-0.06}$ $^{+0.05}_{-0.04}$)

$H \rightarrow \gamma\gamma$

0.07 $^{+0.08}_{-0.06}$ ($^{+0.07}_{-0.06}$ $^{+0.04}_{-0.02}$)

Combined

0.04 $^{+0.04}_{-0.04}$ ($^{+0.03}_{-0.03}$ $^{+0.03}_{-0.02}$)

SM

$\text{BR}(t \rightarrow Hu) [\%]$