

Table 1: the latest expected limits

Analysis	$B(t \rightarrow Hu)$	$B(t \rightarrow Hc)$	Channels	$L(fb^{-1})$	Limit Type	Reference
ATLAS 2016	$1.2 \times 10^{-3}$	$1.1 \times 10^{-3}$	$b\bar{b}, \tau^+\tau^-, \gamma\gamma$ , multilepton	36.1	Observed	JHEP 05 (2019) 123
TOP-20-007	$1.9 \times 10^{-4}$	$7.3 \times 10^{-4}$	$\gamma\gamma$	137.2	Observed	This Analysis