

Table 1: the latest expected limits

Analysis	$B(t \rightarrow Hu)$	$B(t \rightarrow Hc)$	Channels	$L(fb^{-1})$	Limit Type	Reference
ATLAS 2016	1.2×10^{-3}	1.1×10^{-3}	$b\bar{b}, \tau^+\tau^-, \gamma\gamma$, multilepton	36.1	Observed	JHEP 05 (2019) 123
CMS TOP-19-002	7.9×10^{-4}	9.4×10^{-4}	$b\bar{b}$	137.2	Observed	CMS-PAS-TOP-19-002
CMS TOP-20-007	1.9×10^{-4}	7.3×10^{-4}	$\gamma\gamma$	137.2	Observed	arXiv:2111.02219