

19.7 fb<sup>-1</sup> (8 TeV)

**CMS**

$pp \rightarrow \bar{t}(b)H^+, H^+ \rightarrow t\bar{b}$

$\mu\tau_h$  final state

Assuming  $B(H^+ \rightarrow t\bar{b}) = 1$

—■— Observed

— Expected median  $\pm 1\sigma$

— Expected median  $\pm 2\sigma$

95% CL limit on  $\sigma_{H^+}$  [pb]

10

1

200 250 300 350 400 450 500 550 600

$m_{H^+}$  [GeV]

