

19.7 fb⁻¹ (8 TeV)

tan β

CMS

$t \rightarrow H^+ b, H^+ \rightarrow \tau^+ \nu_\tau$

τ_h + jets final state

MSSM low- M_H

$m_A = 110$ GeV

 **Excluded**

 **$m_H^{\text{MSSM}} \neq 125 \pm 3$ GeV**

 **Theoretically inaccessible**

10

1

500

1000

1500

2000

2500

3000

μ [GeV]

