

19.7 fb⁻¹ (8 TeV)

tan β

CMS

t \rightarrow H⁺b

H⁺ \rightarrow τ^+ ν_τ , τ_h +jets final state

MSSM $m_h^{\text{mod-}}$

—■— Observed

■ Excluded

■ Expected median $\pm 1\sigma$

■ Expected median $\pm 2\sigma$

- - - $m_h^{\text{MSSM}} = 125 \text{ GeV}$

/// $m_h^{\text{MSSM}} \neq 125 \pm 3 \text{ GeV}$

10

1

90 100 110 120 130 140 150 160

m_{H^+} [GeV]

