

138 fb⁻¹ (13 TeV)

CMS

Preliminary

$m_S = 1 \text{ GeV}$

$\text{BR}(S \rightarrow \mu^+ \mu^-) = 0.01$

$\text{BR}(S \rightarrow \pi^+ \pi^-) = 0.654$

95% CL upper limit on $\text{BR}(H \rightarrow SS)$

prompt

- e - median expected

—•— observed

68% expected

95% expected

10⁻²

10⁻¹

1

10

10²

$c\tau$ [mm]

