

138 fb⁻¹ (13 TeV)

CMS

$S \rightarrow \pi^+\pi^-$

$m_S = 1 \text{ GeV}$

$B(S \rightarrow \mu^+\mu^-) = 0.01$

$B(S \rightarrow \pi^+\pi^-) = 0.654$

95% CL upper limit on $B(H \rightarrow SS)$

Prompt

- - - Median expected

— Observed

68% expected

95% expected

$c\tau$ [mm]

