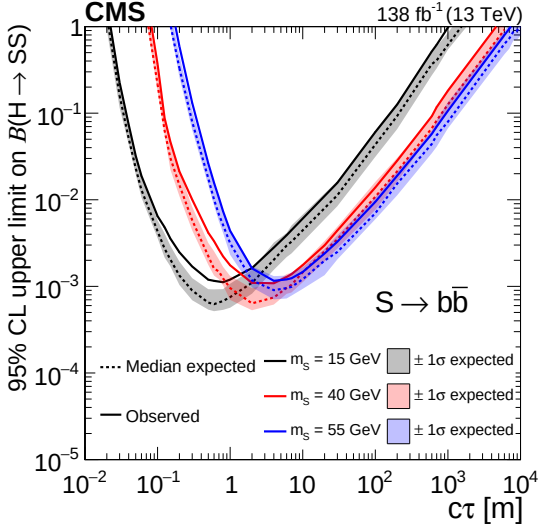
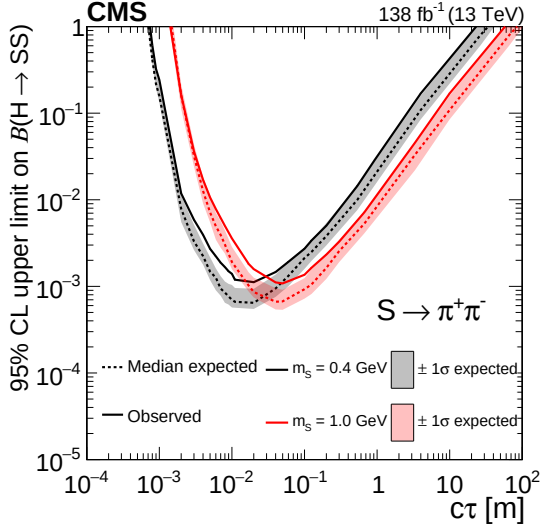
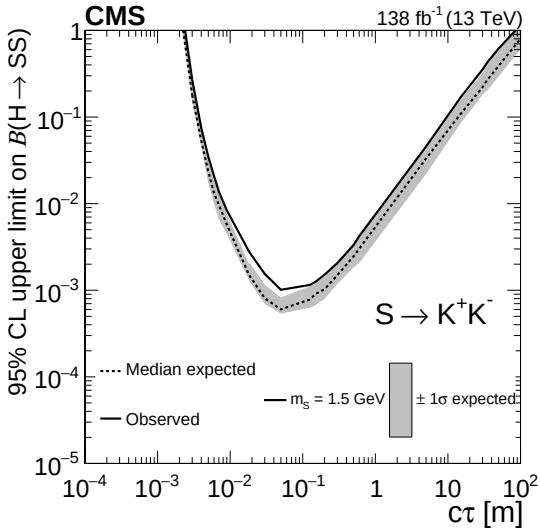
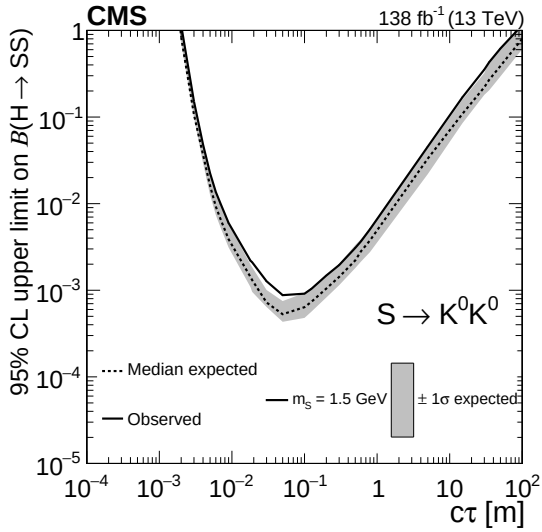
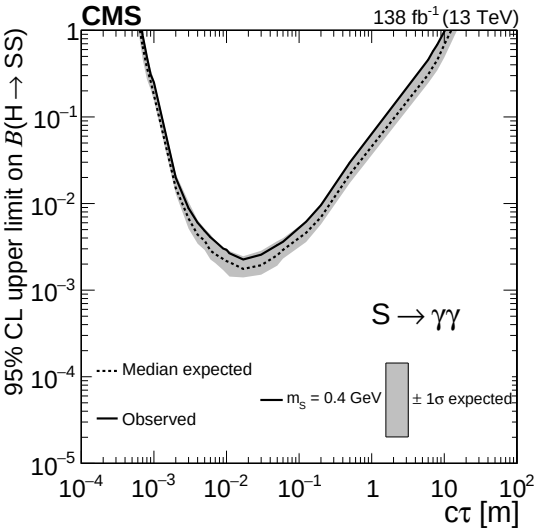
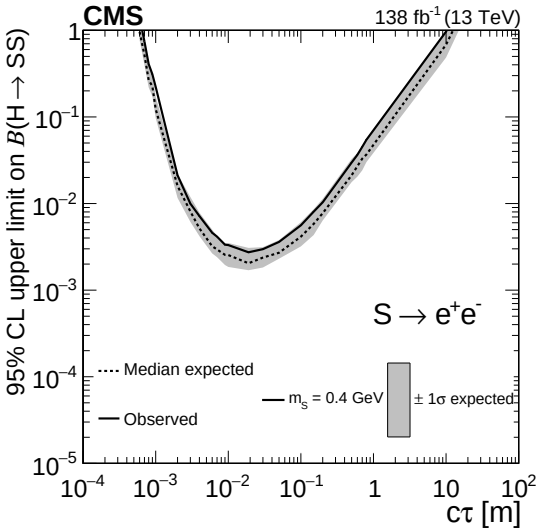

CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to b\bar{b}$
Median expected
Observed
m_S = 15 GeV
m_S = 40 GeV
m_S = 55 GeV
± 1σ expected
cτ [m]


CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to \pi^+\pi^-$
Median expected
Observed
m_S = 0.4 GeV
m_S = 1.0 GeV
± 1σ expected
cτ [m]


CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to K^+K^-$
Median expected
Observed
m_S = 1.5 GeV
± 1σ expected
cτ [m]


CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to K^0K^0$
Median expected
Observed
m_S = 1.5 GeV
± 1σ expected
cτ [m]


CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to \gamma\gamma$
Median expected
Observed
m_S = 0.4 GeV
± 1σ expected
cτ [m]


CMS
138 fb^{-1} (13 TeV)
95% CL upper limit on $\mathcal{B}(H \to SS)$
$S \to e^+e^-$
Median expected
Observed
m_S = 0.4 GeV
± 1σ expected
cτ [m]