

138 fb⁻¹ (13 TeV)

CMS

Work in progress

95% Expected

68% Expected

----- Expected

$m_A = 60 \text{ GeV} (\times 10^0)$

$m_A = 70 \text{ GeV} (\times 10^{-1})$

$m_A = 80 \text{ GeV} (\times 10^{-2})$

$m_A = 90 \text{ GeV} (\times 10^{-3})$

$m_A = 100 \text{ GeV} (\times 10^{-4})$

$m_A = 125 \text{ GeV} (\times 10^{-5})$

$m_A = 140 \text{ GeV} (\times 10^{-6})$

$m_A = 160 \text{ GeV} (\times 10^{-7})$

95% CL Limit on $\sigma(pp \rightarrow Z^* \rightarrow \phi A) \times \text{BR}(\phi \rightarrow \tau\tau) \times \text{BR}(A \rightarrow \tau\tau)$ (pb)

