

137 fb⁻¹ (13 TeV)

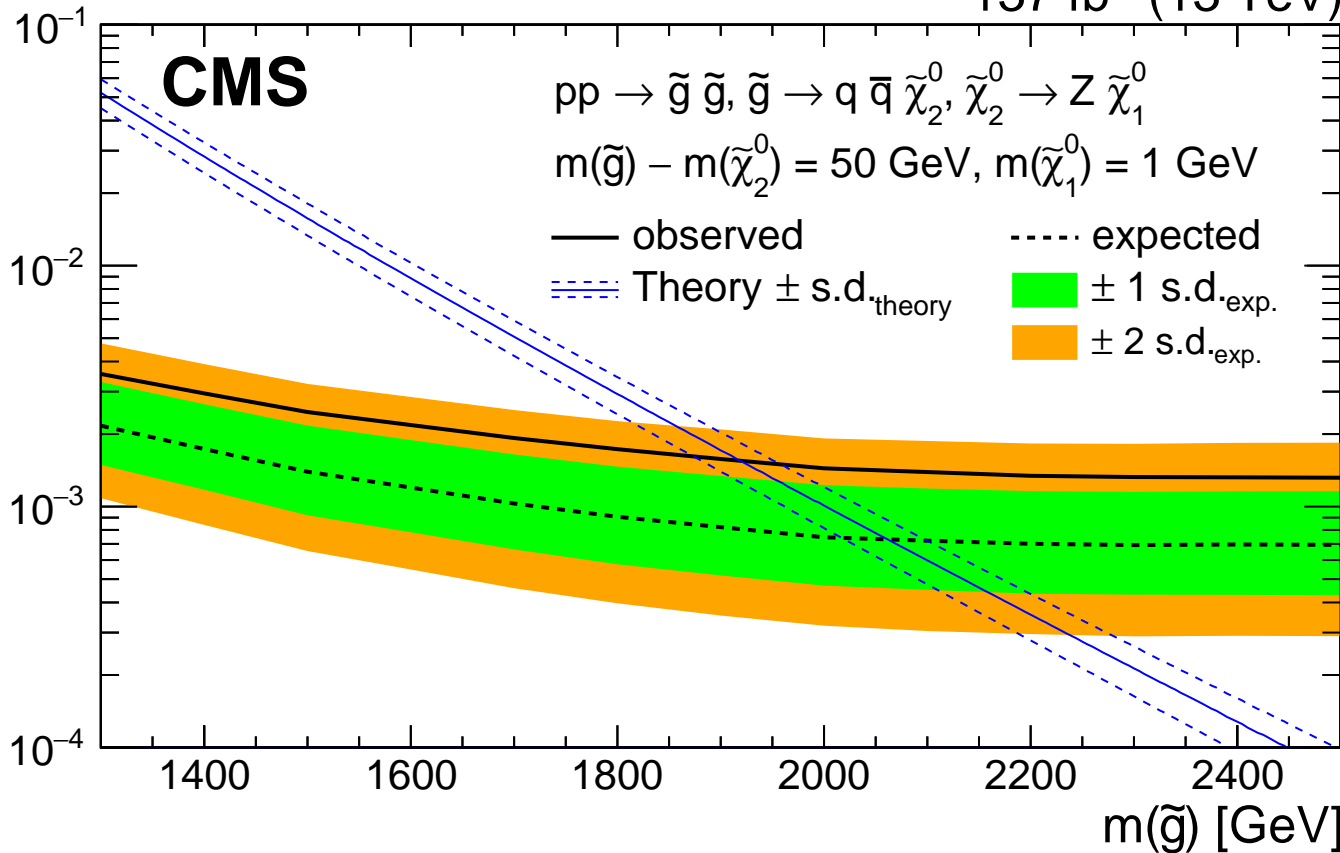
Cross section [pb]

CMS $pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow q \bar{q} \tilde{\chi}_2^0, \tilde{\chi}_2^0 \rightarrow Z \tilde{\chi}_1^0$ $m(\tilde{g}) - m(\tilde{\chi}_2^0) = 50 \text{ GeV}, m(\tilde{\chi}_1^0) = 1 \text{ GeV}$

— observed

- - - Theory \pm s.d._{theory}

- - - expected

■ ± 1 s.d._{exp.}■ ± 2 s.d._{exp.} $m(\tilde{g})$ [GeV]