

$\tilde{g}\text{-}\tilde{g}$ production, $\tilde{g}\rightarrow t\bar{t}\tilde{\chi}_1^0$

CMS Preliminary

$\sqrt{s} = 8\text{ TeV}$

EP SHEP 2013

— Observed
⋯ Observed $-1\sigma_{\text{theory}}^{\text{SUSY}}$
- - - Expected

— SUS-12-024 0-lep (\cancel{E}_T+H_T) 19.4 fb^{-1}
— SUS-13-007 1-lep ($n_{\text{jets}} \geq 6$) 19.4 fb^{-1}
— SUS-13-013 2-lep (SS+b) 19.5 fb^{-1}
— SUS-13-008 3-lep (3l+b) 19.5 fb^{-1}

$m(\text{gluino}) - m(\text{LSP}) = m(W) + m(\text{top})$
 $m(\text{gluino}) - m(\text{LSP}) = 2 m(\text{top})$

