

$\tilde{g} \tilde{g}$  production,  $\tilde{g} \rightarrow qq(l\bar{l}/\nu\bar{\nu})\tilde{\chi}_1^0$ ;  $m(\tilde{\chi}_2^0) = (m(\tilde{g}) + m(\tilde{\chi}_1^0))/2$ ,  $m(\tilde{l}, \tilde{\nu}) = (m(\tilde{\chi}_2^0) + m(\tilde{\chi}_1^0))/2$

$m_{\tilde{\chi}_1^0}$  [GeV]

**ATLAS Preliminary**

$\sqrt{s}=13$  TeV , 13.2 fb $^{-1}$



Observed limit



Expected limit ( $\pm 1 \sigma_{\text{exp}}$ )



SS/3L observed limit 2015  
[arXiv:1507.05525]

All limits at 95% CL

$m_{\tilde{g}} < m_{\tilde{\chi}_1^0}$

1200

1000

800

600

400

200

600

800

1000

1200

1400

1600

1800

2000

$m_{\tilde{g}}$  [GeV]