

Upper limit on cross-section [pb]

**ATLAS**

$\sqrt{s}=13$  TeV,  $139\text{ fb}^{-1}$

All limits at 95% CL

Gluino R-hadron,  $m_\chi = 100$  GeV

$\tilde{g} \rightarrow q\bar{q}\tilde{\chi}_1^0$ ,  $\tau_{\tilde{g}} = 3$  ns

— Obs.

Exp. ( $\pm 1\sigma_{\text{exp}}$ )

Exp. ( $\pm 2\sigma_{\text{exp}}$ )

$10^{-1}$

$10^{-2}$

$10^{-3}$

$\sigma(pp \rightarrow \tilde{g}\tilde{g})$  [NNLO+NNLL]

1.6

1.7

1.8

1.9

2

2.1

2.2

2.3

2.4

2.5

2.6

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

