

ATLAS Internal

$\int L dt = 10 \text{ fb}^{-1}$, $\Delta_{\text{Nbkg}} = 30 \%$

Significance (Z_{Bi})

$\tilde{g} \tilde{g} \rightarrow (qq \tilde{\chi})(qq \tilde{\chi}); m_{\tilde{g}} = 812, m_{\tilde{\chi}} = 787 \text{ GeV}$

1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0

0 200 400 600 800 1000 1200 1400

p_{TS}^{CM} cut [GeV]

$\vec{C} \big|_{\text{global max}}$
 $\vec{C} \big|_{\text{local max}}$

