

ATLAS Internal

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

Significance (Z_{Bi})

$\tilde{q} \tilde{q} \rightarrow (q \tilde{\chi})(q \tilde{\chi}); m_{\tilde{q}} = 1100, m_{\tilde{\chi}} = 200 \text{ GeV}$

2.5

2.4

2.3

2.2

2.1

$\vec{C} \uparrow$ | global max

$\vec{C} \uparrow$ | local max

0

500

1000

1500

2000

$H_{T2,1}^{\text{PP}} \text{ cut [GeV]}$

