

Selection: $p_T > 250 \text{ GeV}$, $|\eta| < 2.0$

entries

ATLAS Work In Progress

— $G^* \rightarrow HH \rightarrow bbbb$ Signal

— Dijet Background

$1200 \text{ GeV} < p_T \leq 1600 \text{ GeV}$

$103 \text{ GeV} \leq m \leq 149 \text{ GeV}$

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8

TAS τ_{21} , $\beta=2$

0.06
0.05
0.04
0.03
0.02
0.01