

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

ATLAS Work In Progress

entries

0.035

0.03

0.025

0.02

0.015

0.01

0.005

0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

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

— Dijet Background

$1600 \text{ GeV} < p_T \leq 2000 \text{ GeV}$

$91 \text{ GeV} \leq m \leq 170 \text{ GeV}$

Calorimeter C2, $\beta=2$

