

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

ATLAS Work In Progress

entries

0.05

0.04

0.03

0.02

0.01

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

5

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

— Dijet Background

$p_T < 500 \text{ GeV}$

$54 \text{ GeV} \leq m \leq 167 \text{ GeV}$

Calorimeter D2, $\beta=1$

