

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

ATLAS Work In Progress

entries

0.1

0.08

0.06

0.04

0.02

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

5

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

— Dijet Background

$p_T < 500$ GeV

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

TAS D2, $\beta=0.5$

