

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

ATLAS Work In Progress

entries

0.06

0.05

0.04

0.03

0.02

0.01

0

0.005

0.01

0.015

0.02

0.025

0.03

0.035

0.04

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

— Dijet Background

$800 \text{ GeV} < p_T \leq 1200 \text{ GeV}$

$98 \text{ GeV} \leq m \leq 143 \text{ GeV}$

Calorimeter C2, $\beta=3$

