

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

**ATLAS** Work In Progress

entries

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

— Dijet Background

$p_T > 2000 \text{ GeV}$

$55 \text{ GeV} \leq m \leq 216 \text{ GeV}$

0.05

0.04

0.03

0.02

0.01

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1

Calorimeter  $\tau_{21}$ ,  $\beta=3$

