

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

entries

**ATLAS** Work In Progress

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

— Dijet Background

$p_T > 2000$  GeV

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

0.06

0.05

0.04

0.03

0.02

0.01

0

0.2

0.4

0.6

0.8

1

Calorimeter  $\tau_{21}$ ,  $\beta=1.7$

