

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

entries

**ATLAS** Work In Progress

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

— Dijet Background

$p_T > 2000 \text{ GeV}$

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

0.12

0.1

0.08

0.06

0.04

0.02

0

1

2

3

4

5

6

7

8

9

10

Track D2,  $\beta=1$

