

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

**ATLAS** Work In Progress

entries

—  $G^* \rightarrow HH \rightarrow bbbb$  Signal  
— Dijet Background  
 $p_T < 500$  GeV  
 $54 \text{ GeV} \leq m \leq 167 \text{ GeV}$

0.06

0.05

0.04

0.03

0.02

0.01

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

5

Track D2,  $\beta=1$

