

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

entries

**ATLAS** Work In Progress

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

— Dijet Background

$p_T < 500$  GeV

$54 \text{ GeV} \leq m \leq 167 \text{ GeV}$

0.1

0.08

0.06

0.04

0.02

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1

Track D2,  $\beta=3$

