

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

entries

**ATLAS** Work In Progress

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

— Dijet Background

$1200 \text{ GeV} < p_T \leq 1600 \text{ GeV}$

$103 \text{ GeV} \leq m \leq 149 \text{ GeV}$

0.06

0.05

0.04

0.03

0.02

0.01

0

0.2

0.4

0.6

0.8

1

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

