

Arbitrary units

# **ATLAS** Internal Simulation

$\sqrt{s} = 8$  TeV

**Single lepton**

$\geq 6$  j, 3 b

— Total background

⋯  $t\bar{t}H$  ( $m_H = 125$  GeV)

0.4

0.3

0.2

0.1

0

1

2

3

4

5

6

7

8

$N_{40}^{\text{jet}}$

