

(13.6 TeV)

CMS *Simulation Preliminary*

HLT per jet tagging efficiency

1.2
1
0.8
0.6
0.4
0.2
0

$m_S=40\text{GeV}, c\tau_0=10\text{mm}$

$m_S=40\text{GeV}, c\tau_0=100\text{mm}$

$H \rightarrow SS, S \rightarrow b\bar{b}$

$m_H = 125\text{ GeV}, m_S = 40\text{ GeV}$

Number of offline prompt tracks

0

2

4

6

8

10

12

14