

138 fb⁻¹ (13 TeV)

Events

CMS $S \rightarrow d\bar{d}$ $c\tau = 1 \text{ m}$ $B(H \rightarrow SS) = 1\%$

CSC-CSC

- - - $m_S = 3 \text{ GeV}$
- - - $m_S = 7 \text{ GeV}$
- · - · - $m_S = 15 \text{ GeV}$
- · · $m_S = 40 \text{ GeV}$
- · - · - $m_S = 55 \text{ GeV}$
- Data
- Background

10²

10

1

10⁻¹10⁻²

0

1

2

 N_{clusters} 