

Events

CMS $\Delta\phi < 0.75$ required $S \rightarrow d\bar{d}$ $c\tau = 1$ m $B(H \rightarrow SS) = 1\%$

- - - $m_S = 7$ GeV
- . - $m_S = 15$ GeV
- . . - $m_S = 40$ GeV
- . . . - $m_S = 55$ GeV
- Background
- Data

10²

10

1

50 100 150 200 250 300 350 400 450 500

 N_{hits} 