

Sample	Signal acceptance $\mathcal{A}(\text{gg} \rightarrow \text{H}(125) \rightarrow \phi_1\phi_1 \rightarrow 4\tau)$	Number of events
Signal		for $(\sigma\mathcal{B})_{\text{sig}} = 5 \text{ pb}$
$m_{\phi_1} = 4 \text{ GeV}$	$(5.38 \pm 0.23) \times 10^{-4}$	53.0 ± 2.3
$m_{\phi_1} = 5 \text{ GeV}$	$(4.36 \pm 0.21) \times 10^{-4}$	43.0 ± 2.0
$m_{\phi_1} = 6 \text{ GeV}$	$(4.00 \pm 0.23) \times 10^{-4}$	39.5 ± 2.0
$m_{\phi_1} = 7 \text{ GeV}$	$(4.04 \pm 0.20) \times 10^{-4}$	39.9 ± 2.0
$m_{\phi_1} = 8 \text{ GeV}$	$(3.13 \pm 0.18) \times 10^{-4}$	30.8 ± 1.8
Background		
QCD multijet	—	820 ± 320
$t\bar{t}$	—	1.2 ± 0.2
Electroweak	—	5.0 ± 4.7
Data	—	873