CMS Simulation (LHE) 14TeV TeV $\overrightarrow{pp} \rightarrow \overrightarrow{h} \rightarrow 2\overrightarrow{h}_{1} \rightarrow 2\overrightarrow{h}_{D} + 2\overrightarrow{h}_{D} + 2\overrightarrow{h}_{D} \rightarrow 2\overrightarrow{h}_{D} + 4\overrightarrow{h}_{D}$ $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 1000 mm

50.035

20.03

