## CMS Simulation (LHE) 14 TeV $|pp| \rightarrow |h| \rightarrow |2h_1| \rightarrow |2h_D| + |2\gamma_D| \rightarrow |2h_D| + |4\mu|$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_1} = 50 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_{_{\!\scriptscriptstyle D}}}$ = 20.0 GeV, $c\tau_{\gamma_{_{\!\scriptscriptstyle D}}}$ = 0.00 mm 8.0 0.6 0.4 0.2 5 3 6 of h [GeV]