CMS Simulation (LHE) 14 TeV $pp \xrightarrow{l} h \xrightarrow{l} 2h_1 \xrightarrow{l} 2h_D + 2h_D + 2h_D + 4\mu$ 0.05 $m_h = 125 \text{ GeV}, m_{n_s} = 50 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_{D}}$ = 20 GeV, $c\tau_{\gamma_{D}}$ = 100 mm 0.04 —1st n_D (leading p_T) 2nd n_D 0.03 0.02 0.01 40 20 60 80 100 120 p of n [GeV]

Fraction of events / 1 Ge\