CMS Simulation (LHE) 8 TeV 0.07 Fraction of events / 1 GeV  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.06  $m_{\gamma_D} = 0.250 \text{ GeV}, c\tau_{\gamma_D} = 0.00 \text{ mm}$ —1st n<sub>D</sub> (leading p<sub>T</sub>) 0.05 2nd n<sub>D</sub> 0.04 0.03 0.02 0.01 20 40 60 80 100  $p of n_{D} [GeV]$