CMS Simulation (LHE) 8 TeV Eraction of events / 0.15

Laction of events / 0.03

0.035

0.025

0.015 $pp \rightarrow h \rightarrow 2n_{1} \rightarrow 2n_{D} + 2~\gamma_{D} \rightarrow 2n_{D} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_{0}} = 1.500 \text{ GeV}, c\tau_{\gamma_{0}} = 0.5 \text{ mm}$ 1st dark photon (leading p_T) 2nd dark photon 0.01 0.005

