## CMS Simulation (LHE) 8 TeV 0.03 rac $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.025 $m_{\gamma_p} = 0.550$ GeV, $c\tau_{\gamma_p} = 2$ . mm ot events / . — 1st muon (leading p<sub>T</sub>) 2nd muon ..... 3rd muon - - 4th muon Fraction 0.01 0.005

 $\phi$  of  $\mu$  [rad]