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_{γ_0} = 0.550 GeV, $c\tau_{\gamma_0}$ = 0.5 mm ot events / . — 1st muon (leading p_T) 2nd muon 3rd muon - · - 4th muon Fraction 0.01 0.005

 ϕ of μ [rad]