CMS Simulation (LHE) 13 TeV 0.03 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ rad $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_2} = 0.25$ GeV, $c\tau_{\gamma_2} = 100$ mm 0.025 of events / 1 1st μμ (leading p_τ) $2nd \mu\mu$ Fraction 0.01 0.005

3 –2 –1 0 1 2 3 ² φ **of** μμ [rad]