## CMS Simulation (LHE) 14TeV TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu'$ $m_h = 125 \text{ GeV}, m_{n_1} = 50 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_D}$ = 20 GeV, $c\tau_{\gamma_D}$ = 100 mm <u>e</u>-x/100 100 (1 - e<sup>-500.0/100</sup>) 100 150 200 250 300 350 400 450 500

**⊆ ⊕**.016

Normalized Fraction of Events / 10.0