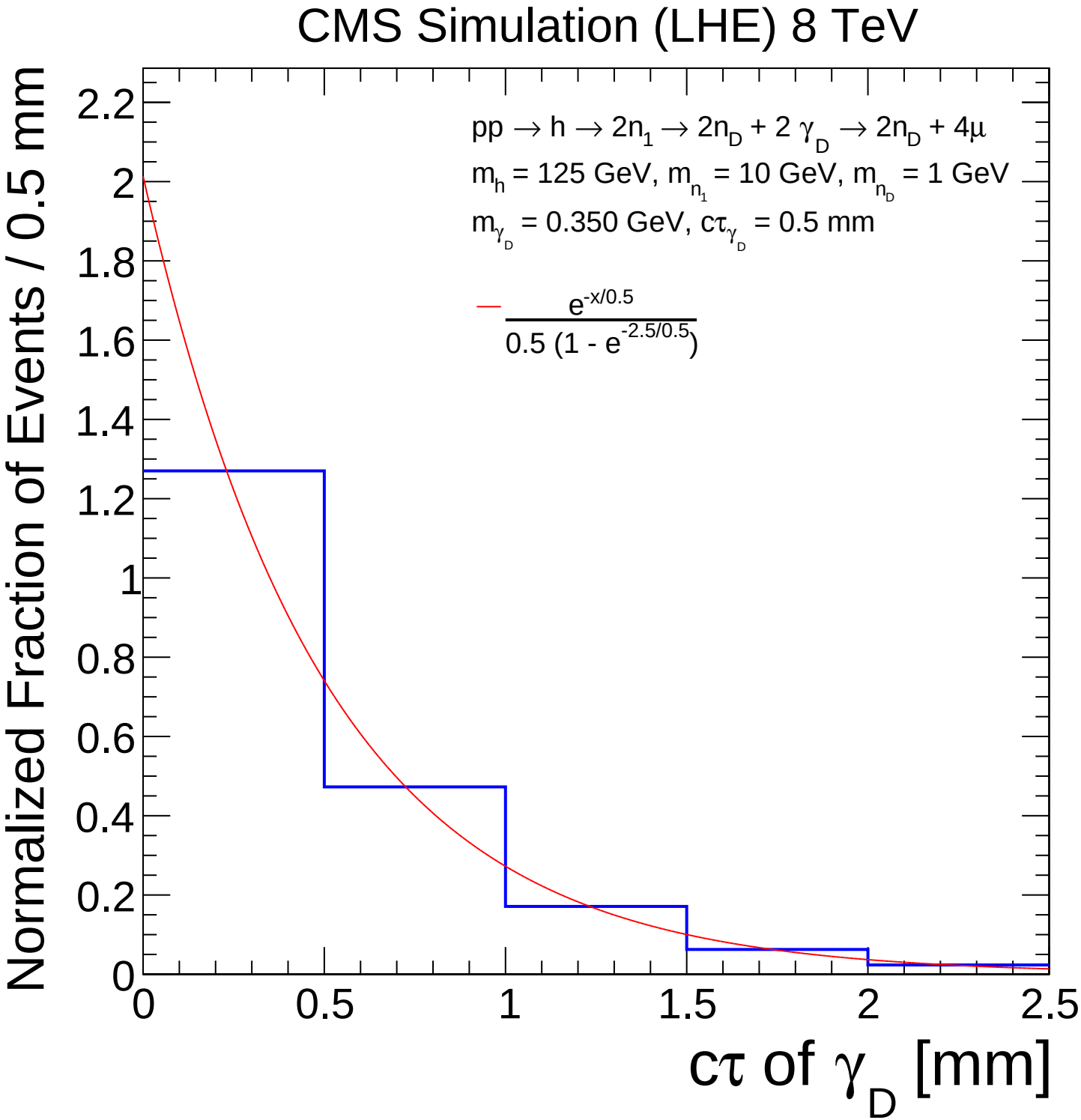
CMS Simulation (LHE) 8 TeV
$pp \to h \to 2n_1 \to 2n_D + 2\,\gamma_D \to 2n_D + 4\mu$
$m_h$ = 125 GeV, $m_{n_1}$ = 10 GeV, $m_{n_D}$ = 1 GeV
$m_{\gamma_D}$ = 0.350 GeV, $c\tau_{\gamma_D}$ = 0.5 mm
$\frac{e^{-x/0.5}}{0.5\,(1 - e^{-2.5/0.5})}$
Normalized Fraction of Events / 0.5 mm
$c\tau$ of $\gamma_D$ [mm]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
0.5
1.5
2.5