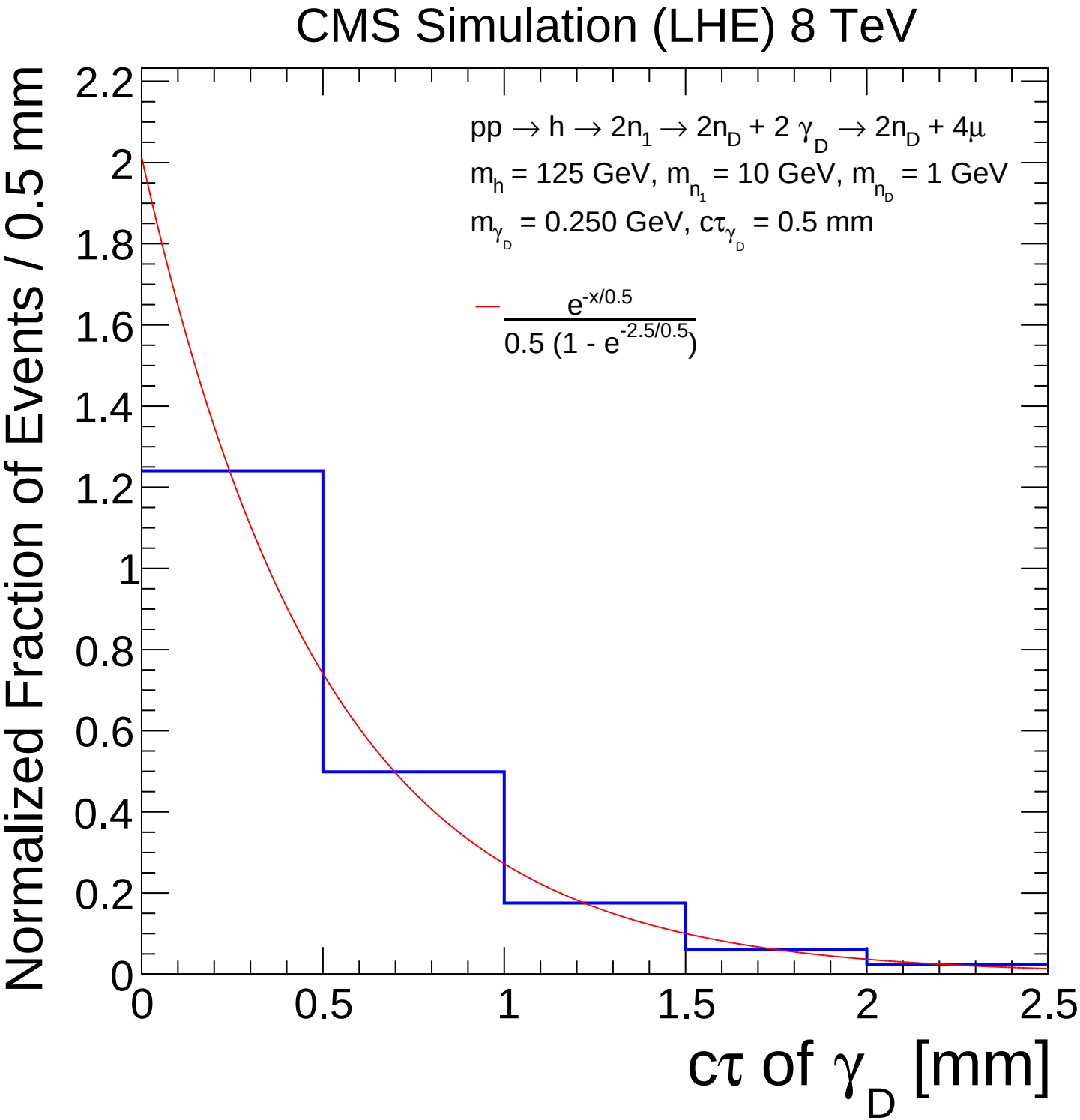
CMS Simulation (LHE) 8 TeV
$pp \to h \to 2n_1 \to 2n_D + 2\,\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 10 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 0.250 GeV, $c\tau_{\gamma_D}$ = 0.5 mm
$\frac{e^{-x/0.5}}{0.5\,(1 - e^{-2.5/0.5})}$
Normalized Fraction of Events / 0.5 mm
$c\tau$ of γ_D [mm]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
0.5
1.5
2.5