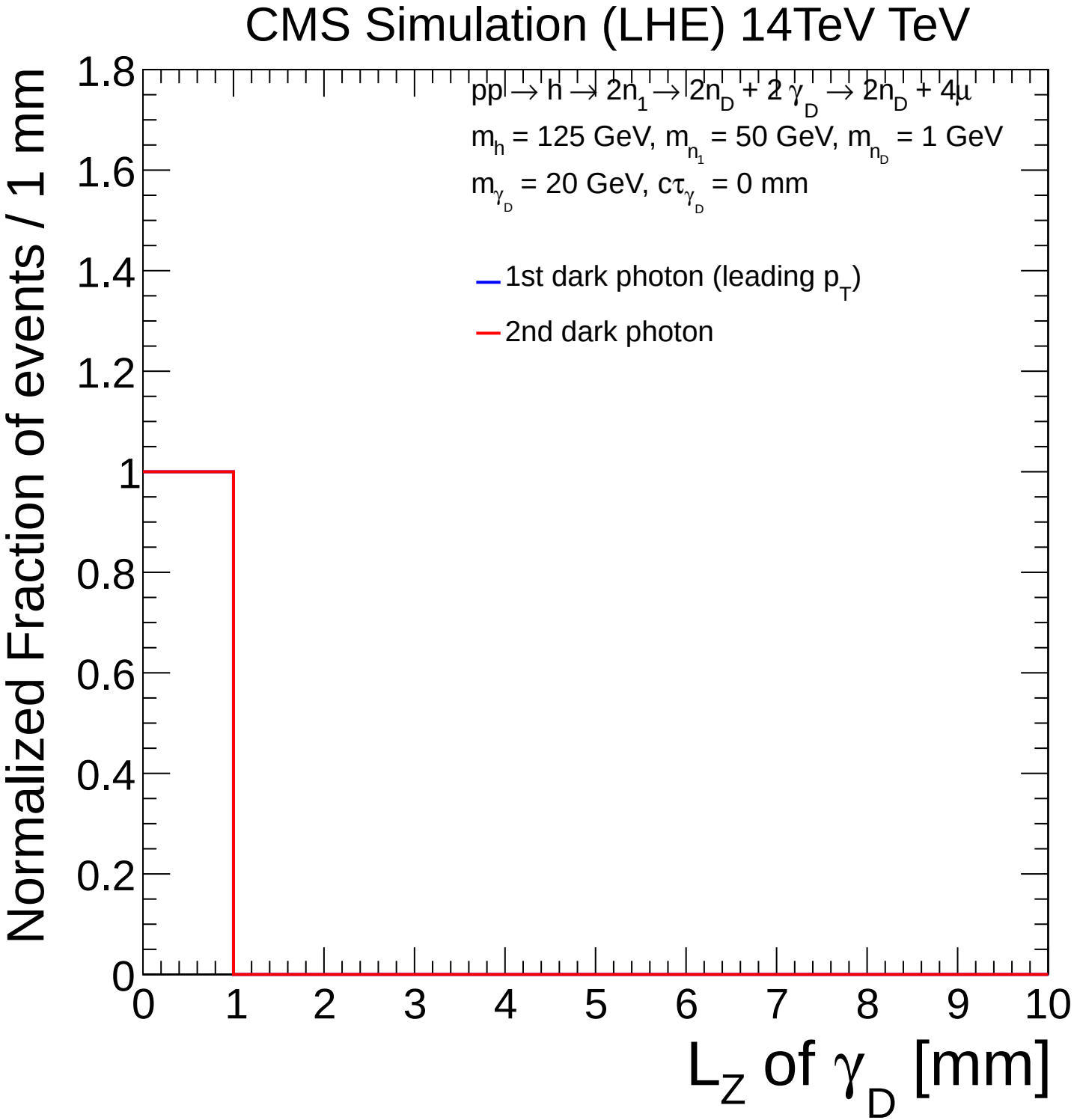
CMS Simulation (LHE) 14TeV TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
$m_h$ = 125 GeV, $m_{n_1}$ = 50 GeV, $m_{n_D}$ = 1 GeV
$m_{\gamma_D}$ = 20 GeV, $c\tau_{\gamma_D}$ = 0 mm
1st dark photon (leading $p_T$)
2nd dark photon
Normalized Fraction of events / 1 mm
$L_Z$ of $\gamma_D$ [mm]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
1
2
3
4
5
6
7
8
9
10