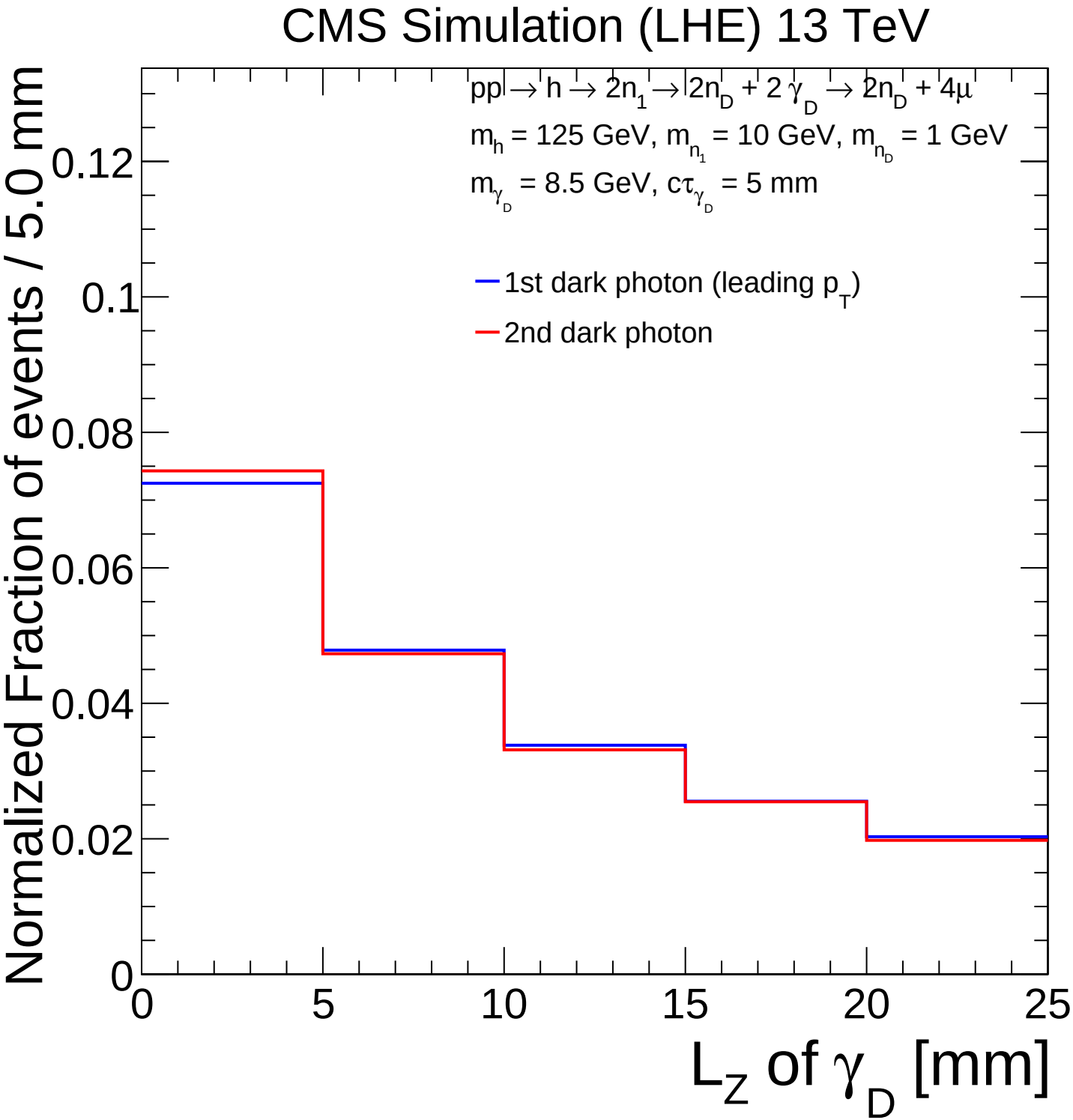
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 8.5 GeV, cτγD = 5 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 5.0 mm
0
0.02
0.04
0.06
0.08
0.1
0.12
0
5
10
15
20
25
LZ of γD [mm]