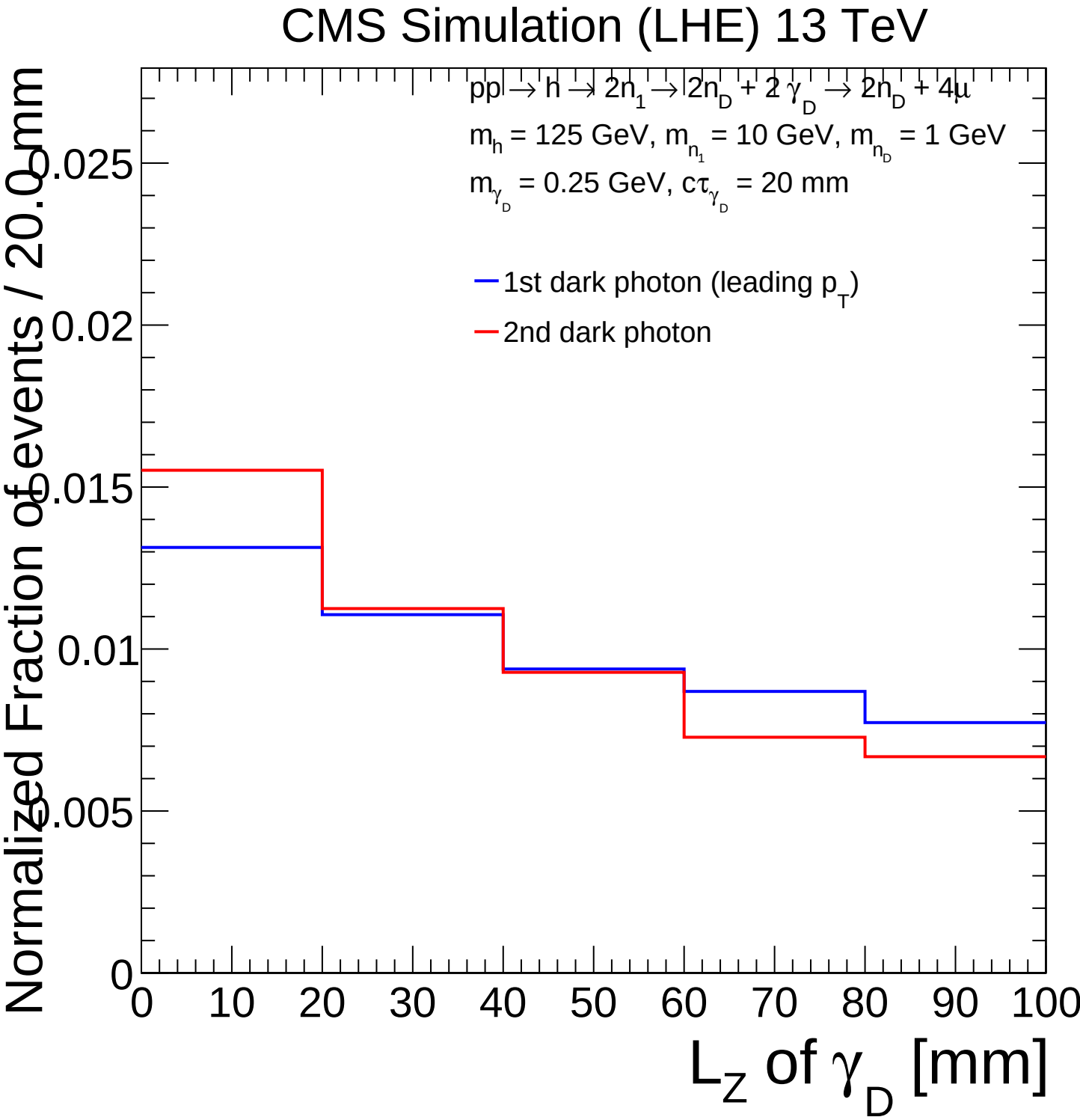
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.25 GeV, cτγD = 20 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 20.0 mm
0
0.005
0.01
0.015
0.02
0.025
0
10
20
30
40
50
60
70
80
90
100
LZ of γD [mm]