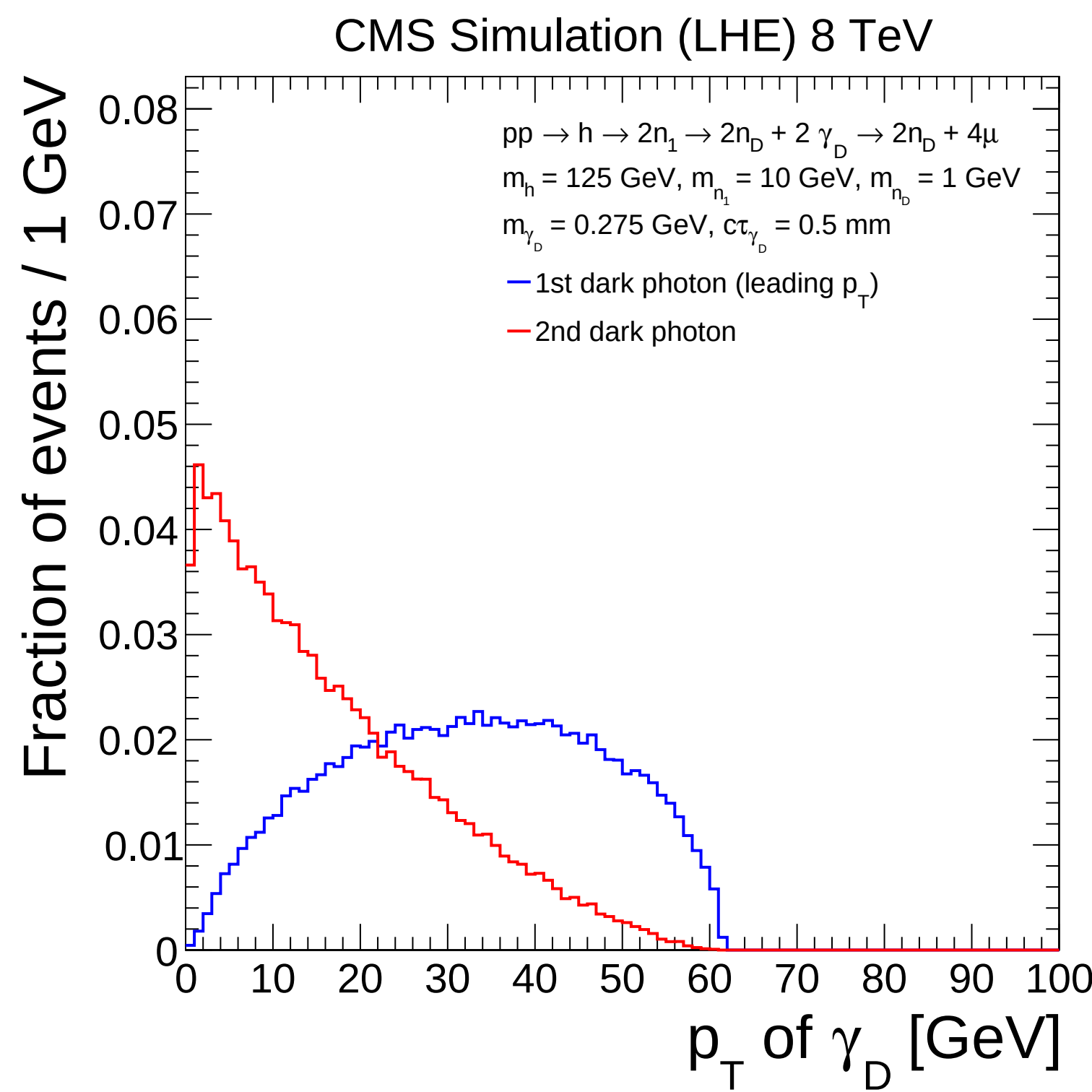
CMS Simulation (LHE) 8 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.275 GeV, cτγD = 0.5 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 1 GeV
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
10
20
30
40
50
60
70
80
90
100
pT of γD [GeV]