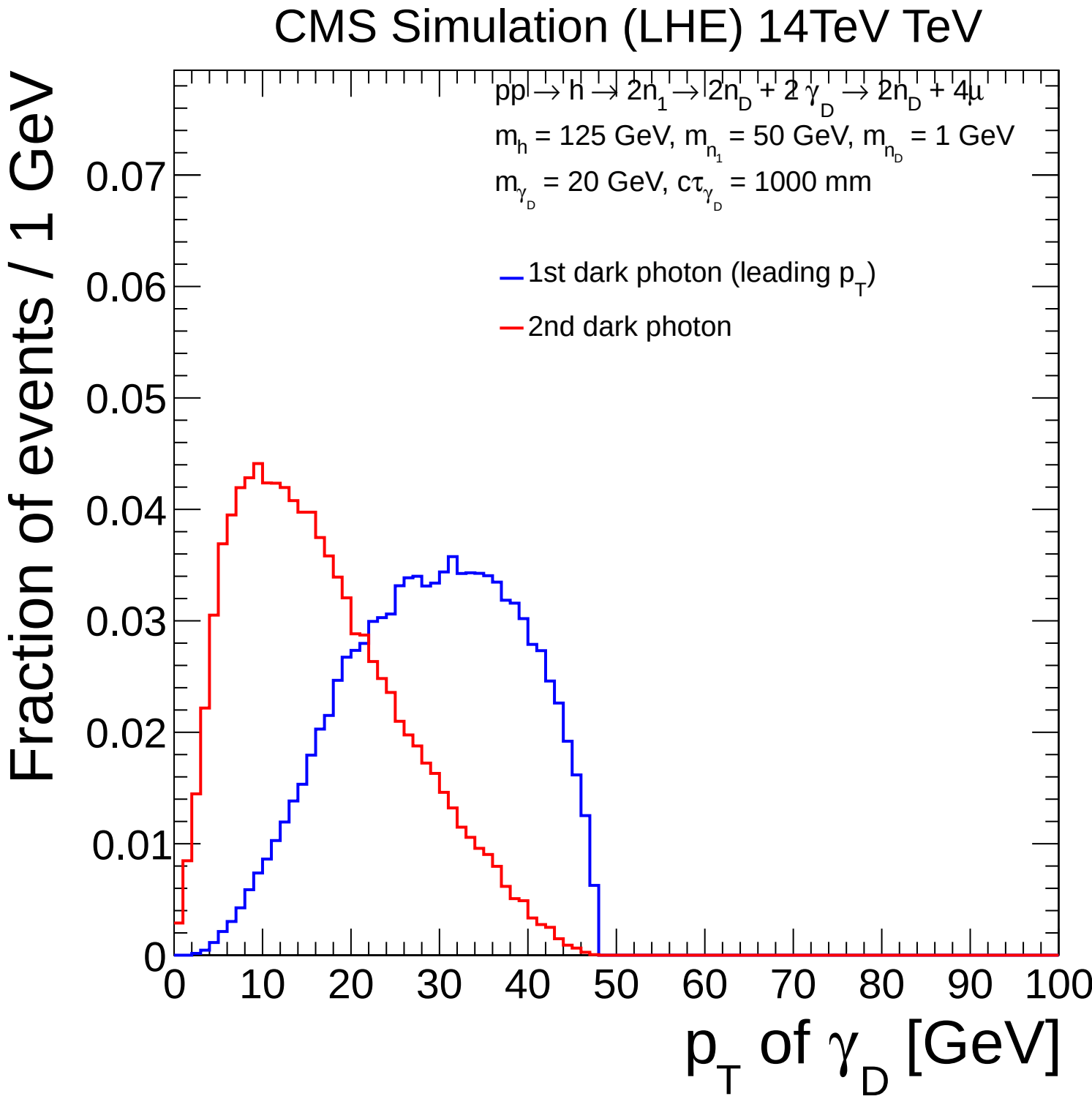
CMS Simulation (LHE) 14TeV TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 50 GeV, mnD = 1 GeV
mγD = 20 GeV, cτγD = 1000 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 1 GeV
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0
10
20
30
40
50
60
70
80
90
100
pT of γD [GeV]