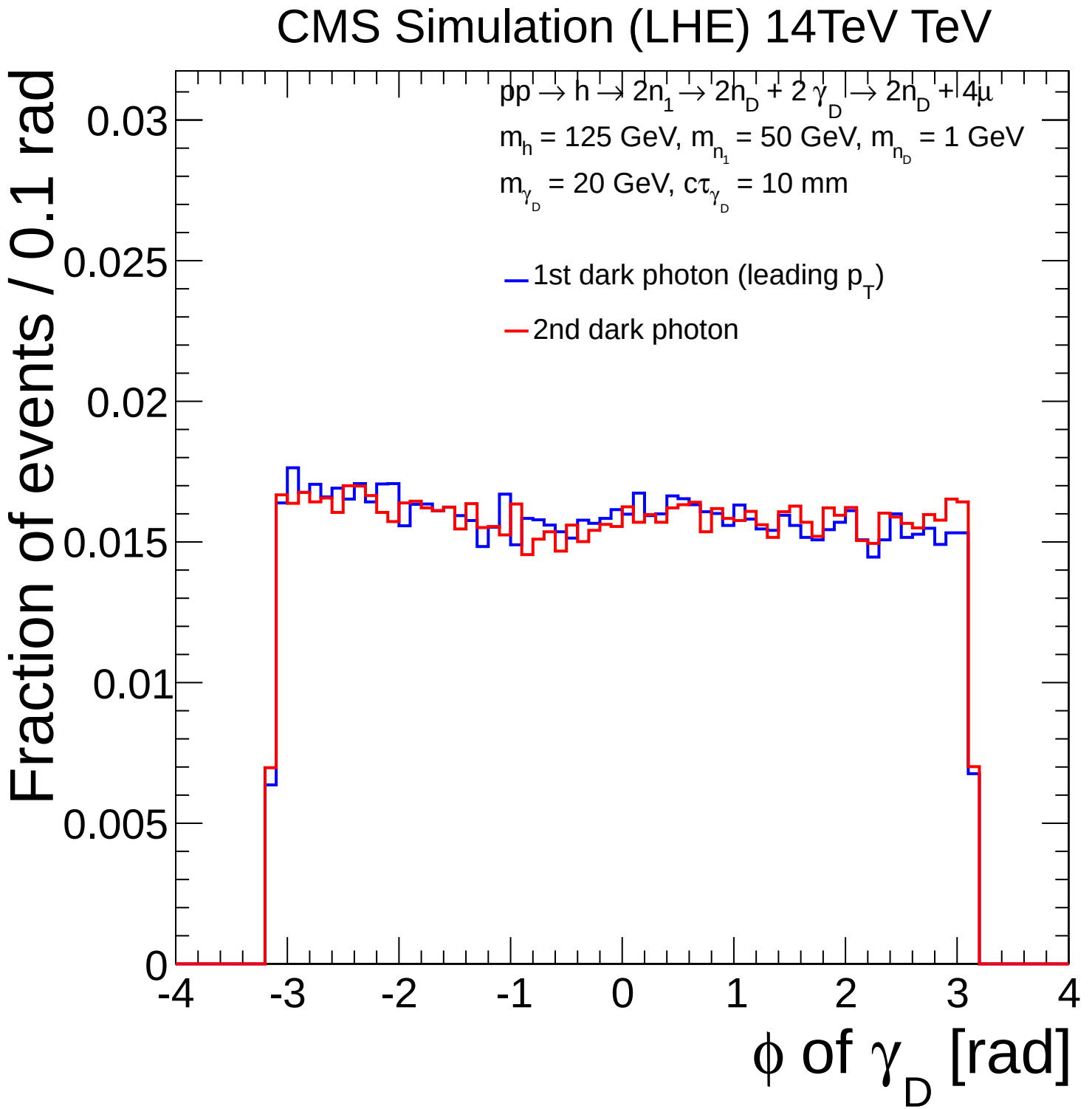
CMS Simulation (LHE) 14TeV TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 50 GeV, mnD = 1 GeV
mγD = 20 GeV, cτγD = 10 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 0.1 rad
0.03
0.025
0.02
0.015
0.01
0.005
0
-4
-3
-2
-1
0
1
2
3
4
ϕ of γD [rad]