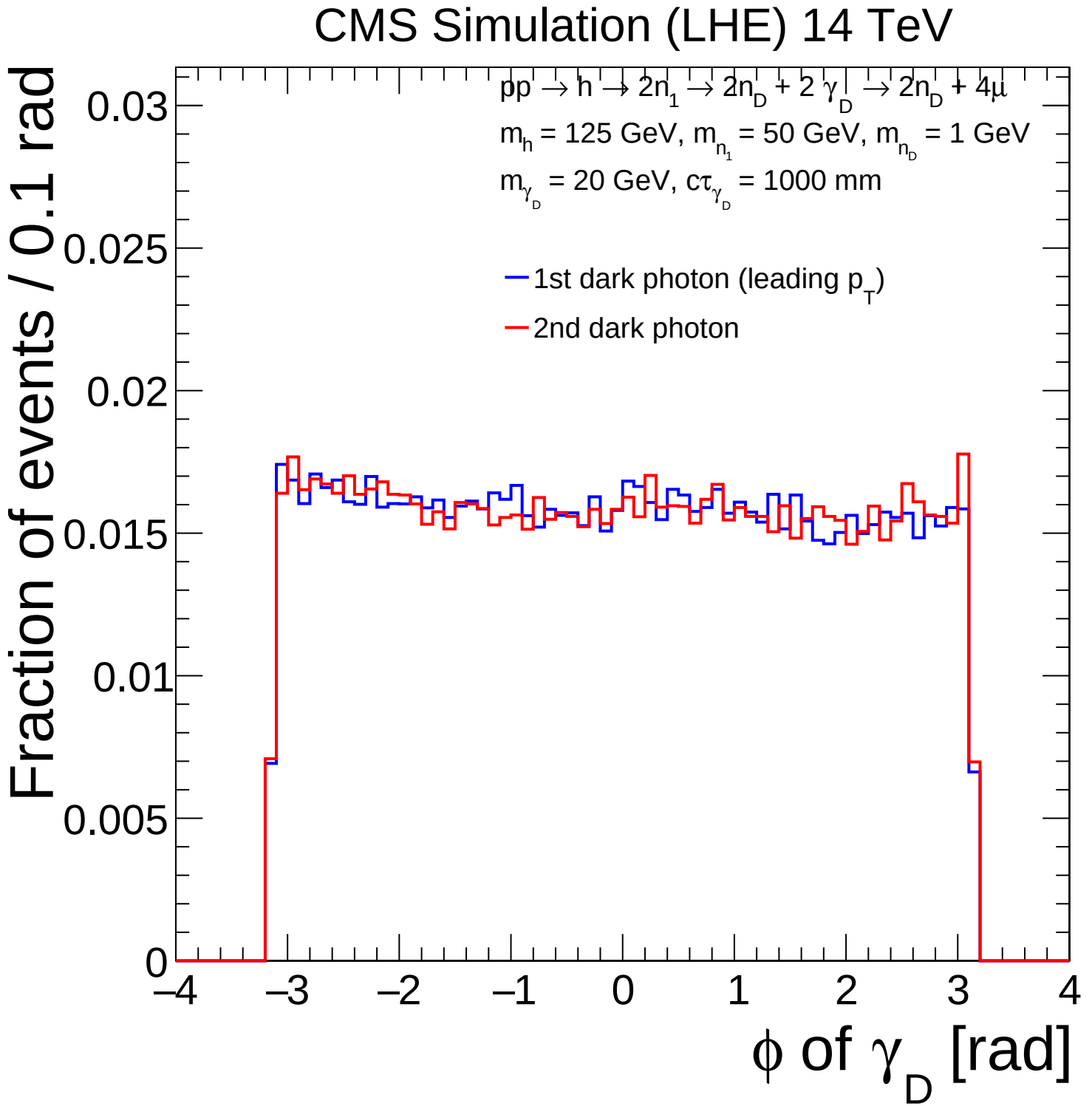
CMS Simulation (LHE) 14 TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
$m_h$ = 125 GeV, $m_{n_1}$ = 50 GeV, $m_{n_D}$ = 1 GeV
$m_{\gamma_D}$ = 20 GeV, $c\tau_{\gamma_D}$ = 1000 mm
1st dark photon (leading $p_T$)
2nd dark photon
Fraction of events / 0.1 rad
0.03
0.025
0.02
0.015
0.01
0.005
0
–4
–3
–2
–1
0
1
2
3
4
$\phi$ of $\gamma_D$ [rad]