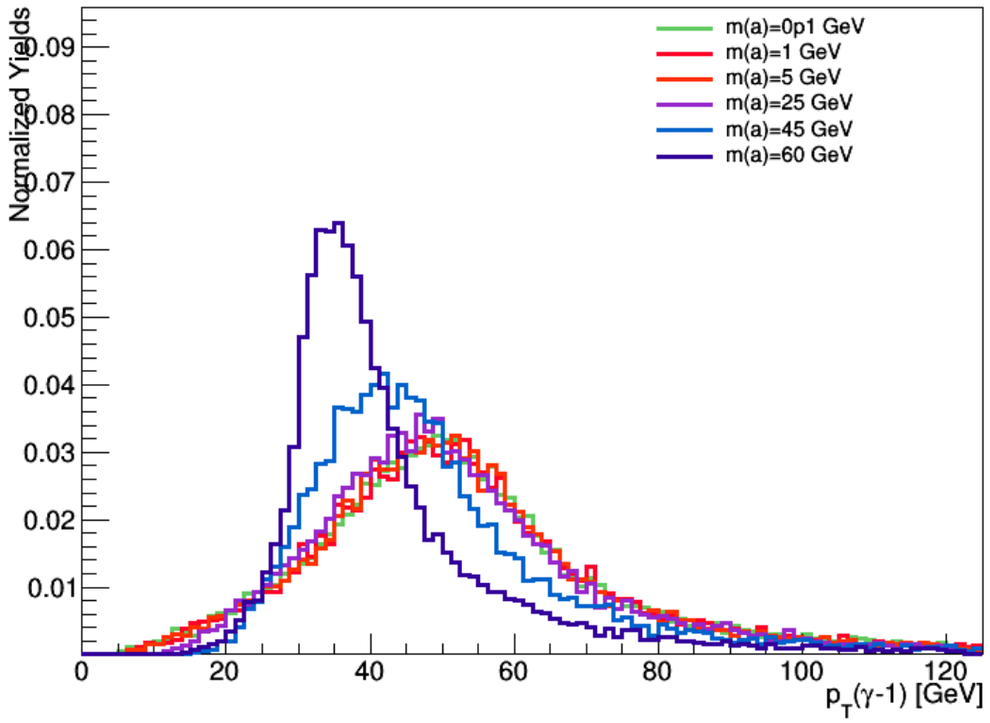
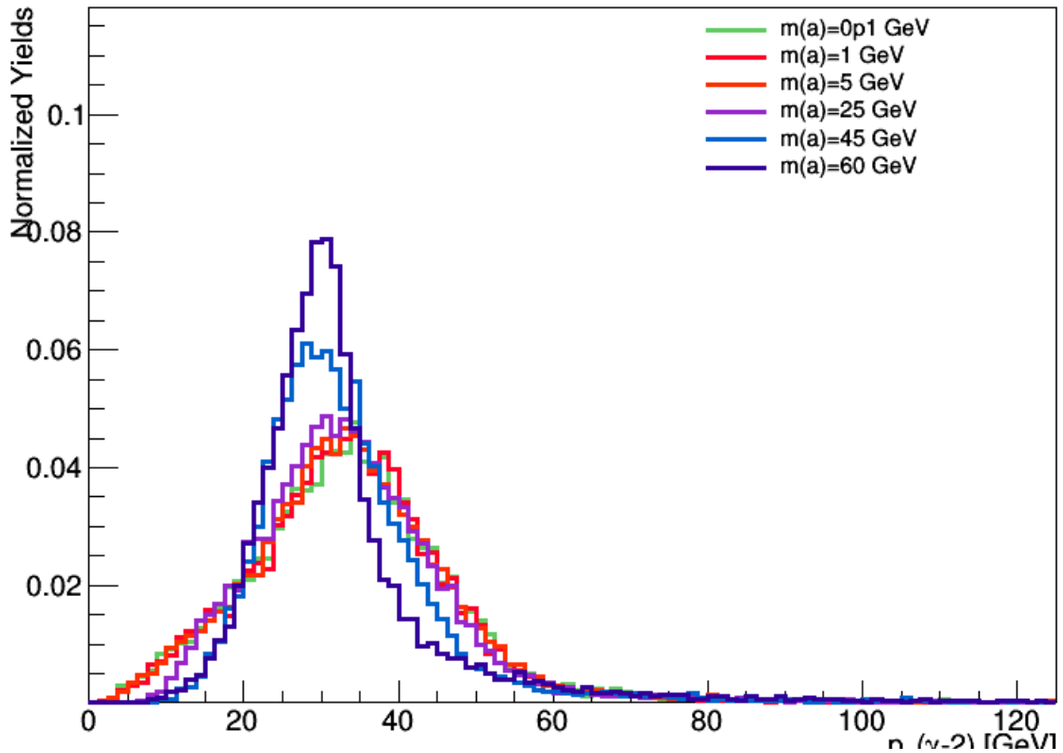
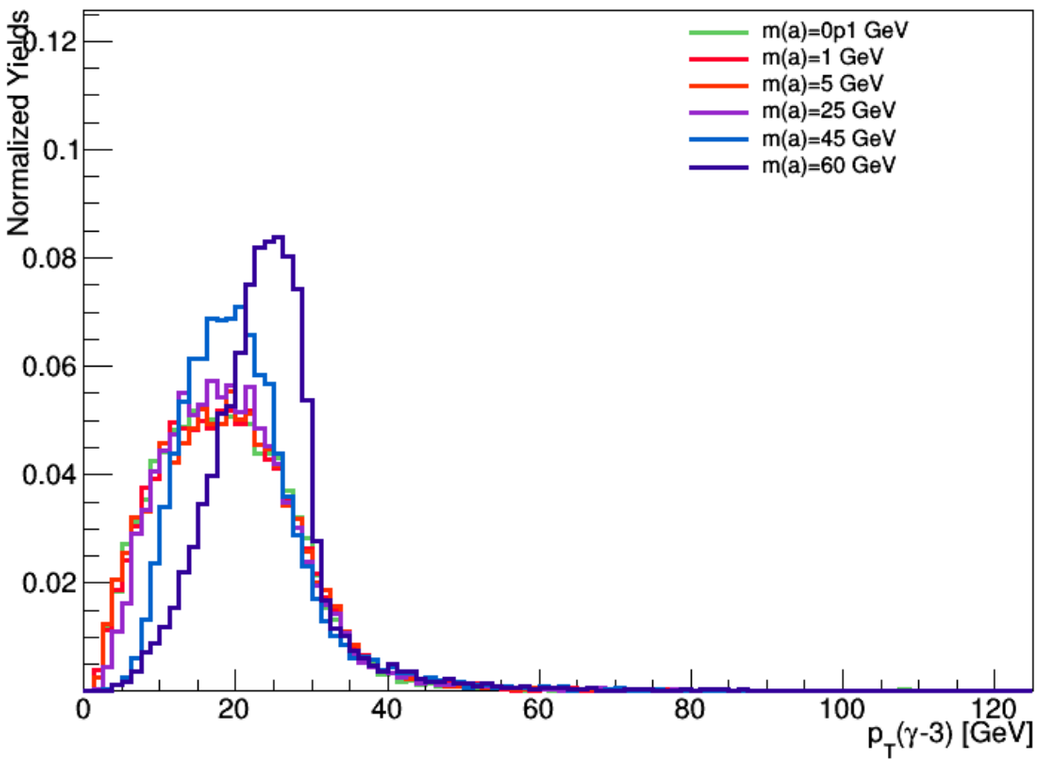
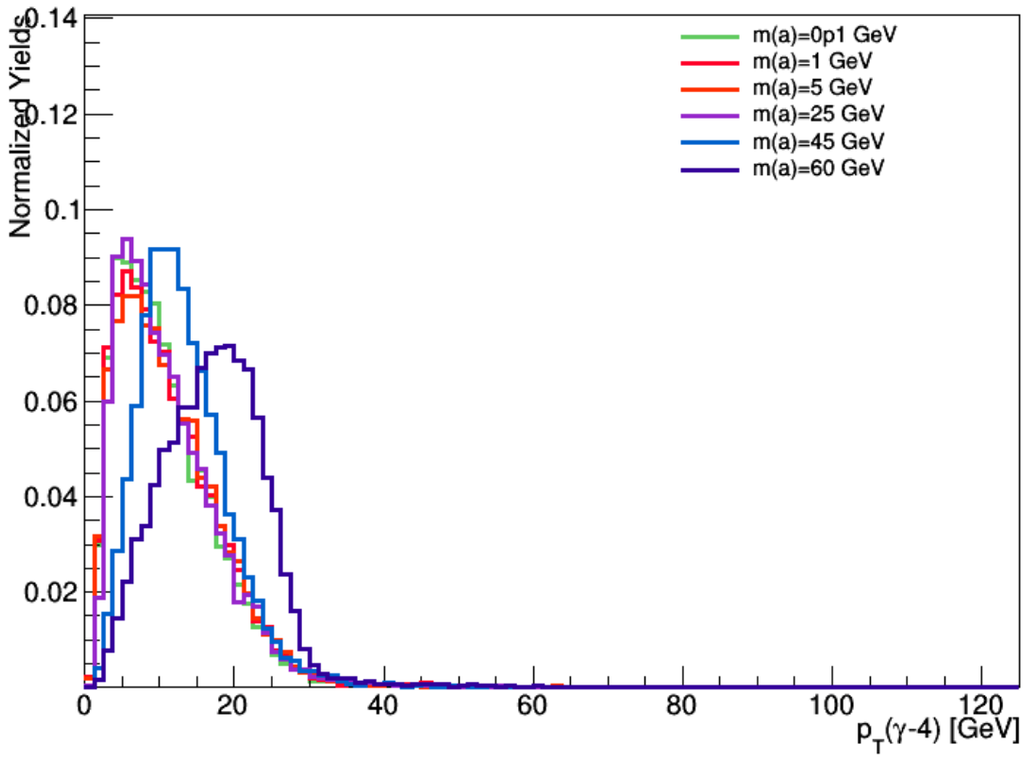
AOD-SIM level

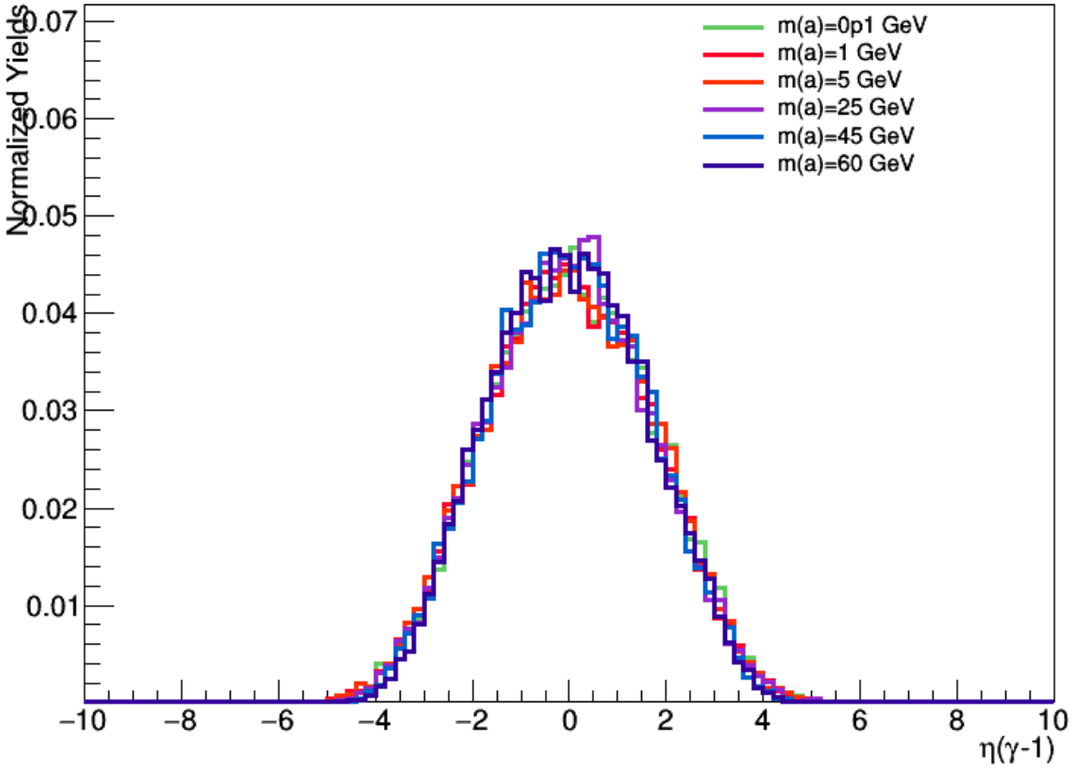
The following distributions are made only with photons whose mother is “a” (pdgId=25) or pdgid==54 for m(a)=100MeV

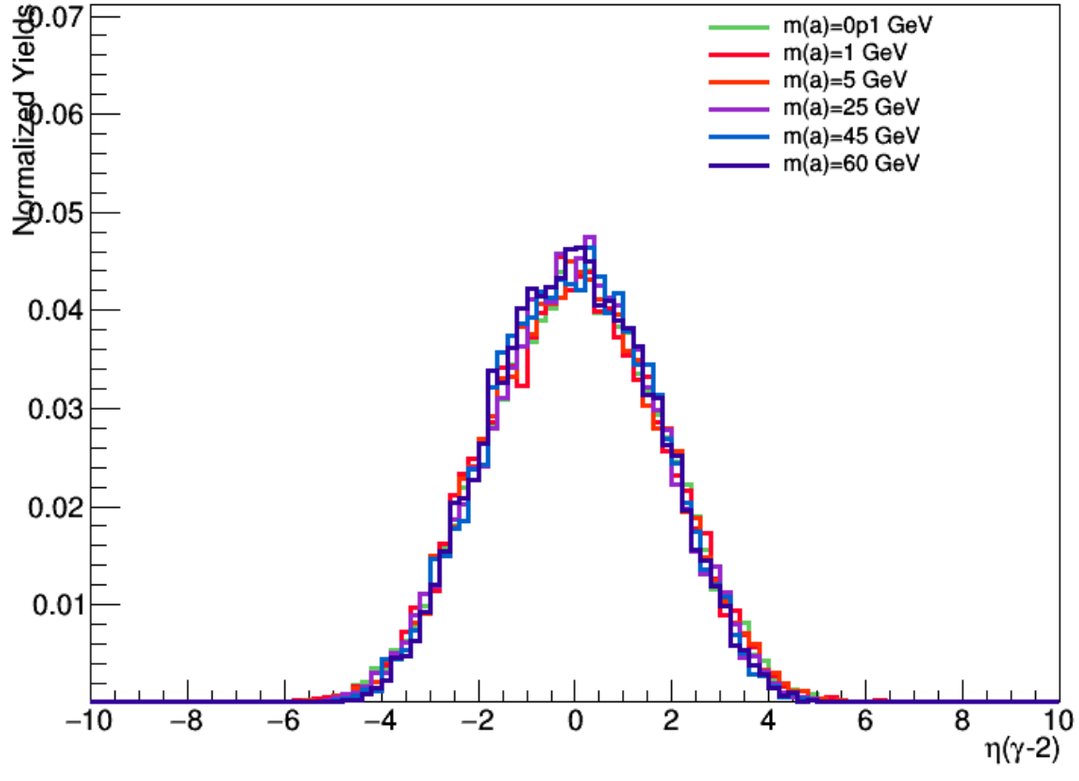


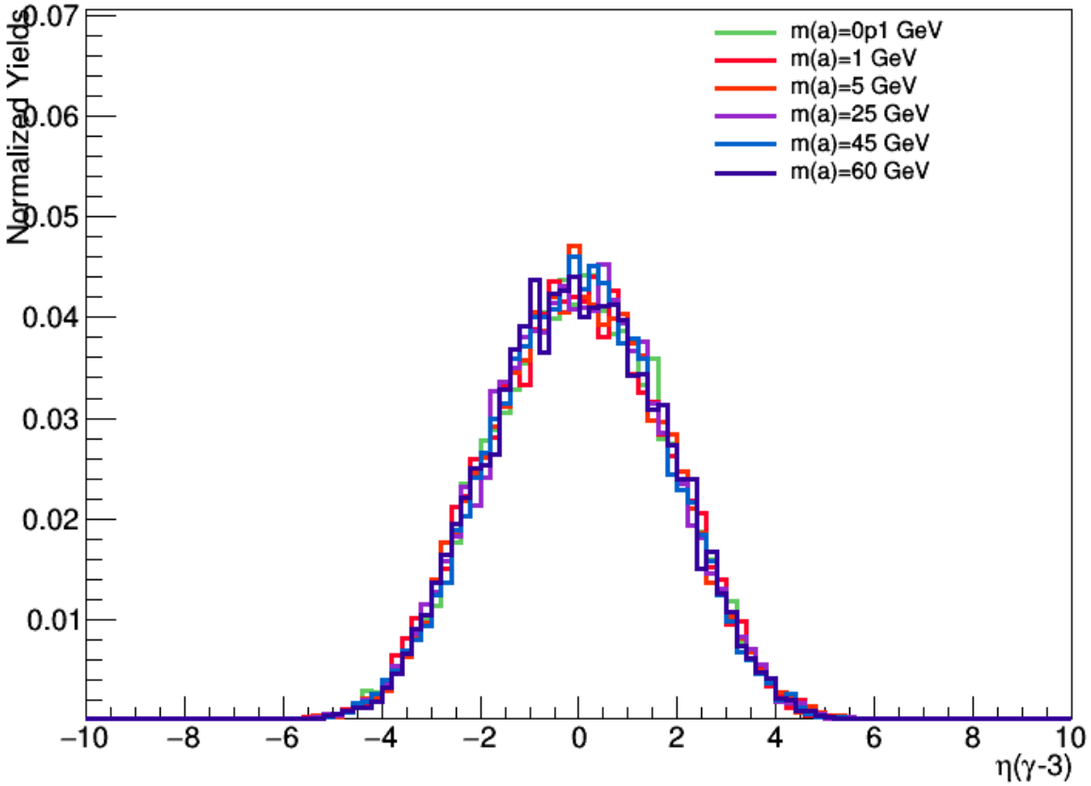


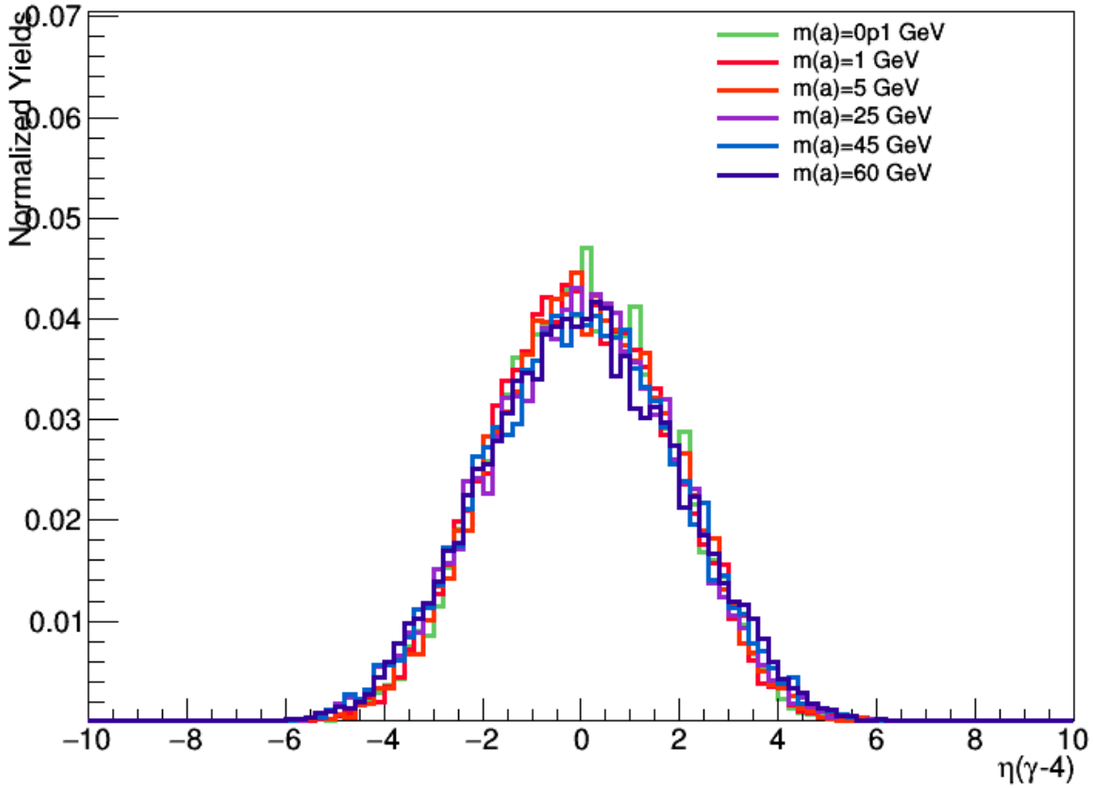


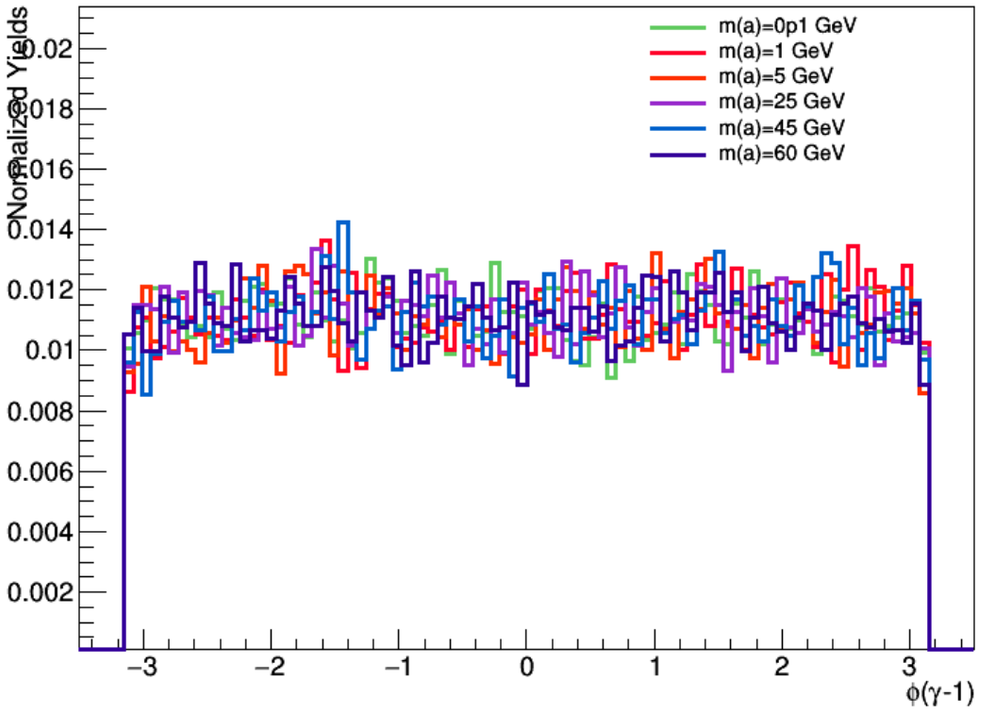


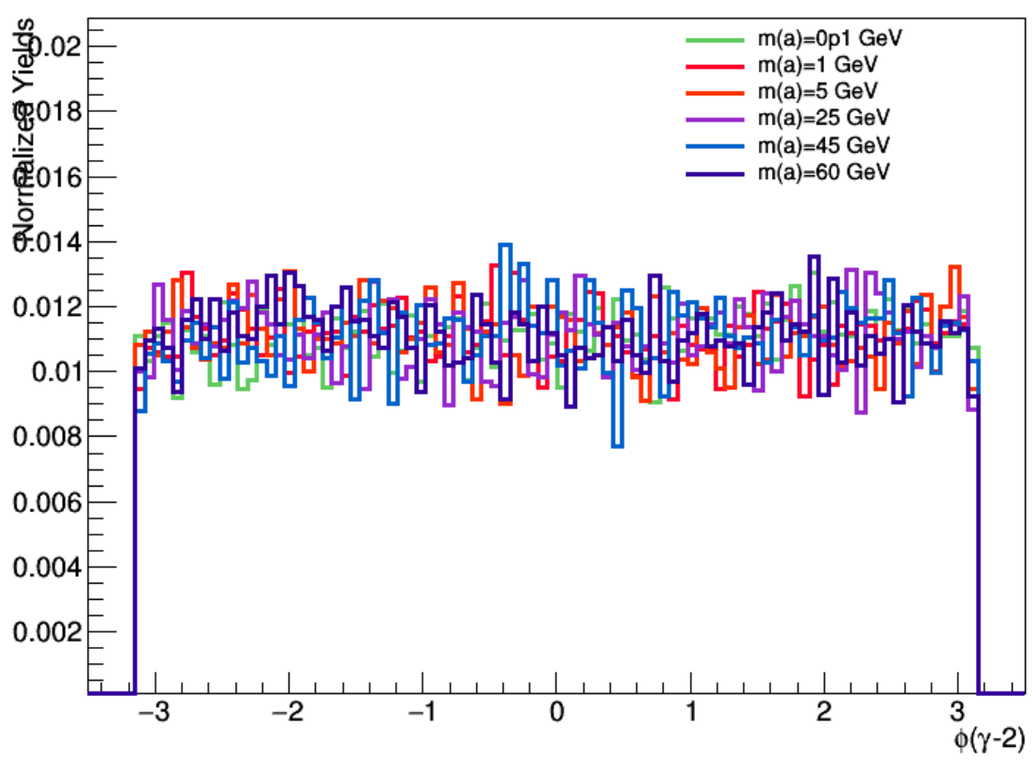

Normalized Yields
0.07
0.06
0.05
0.04
0.03
0.02
0.01
m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
−10 −8 −6 −4 −2 0 2 4 6 8 10
η(γ-1)

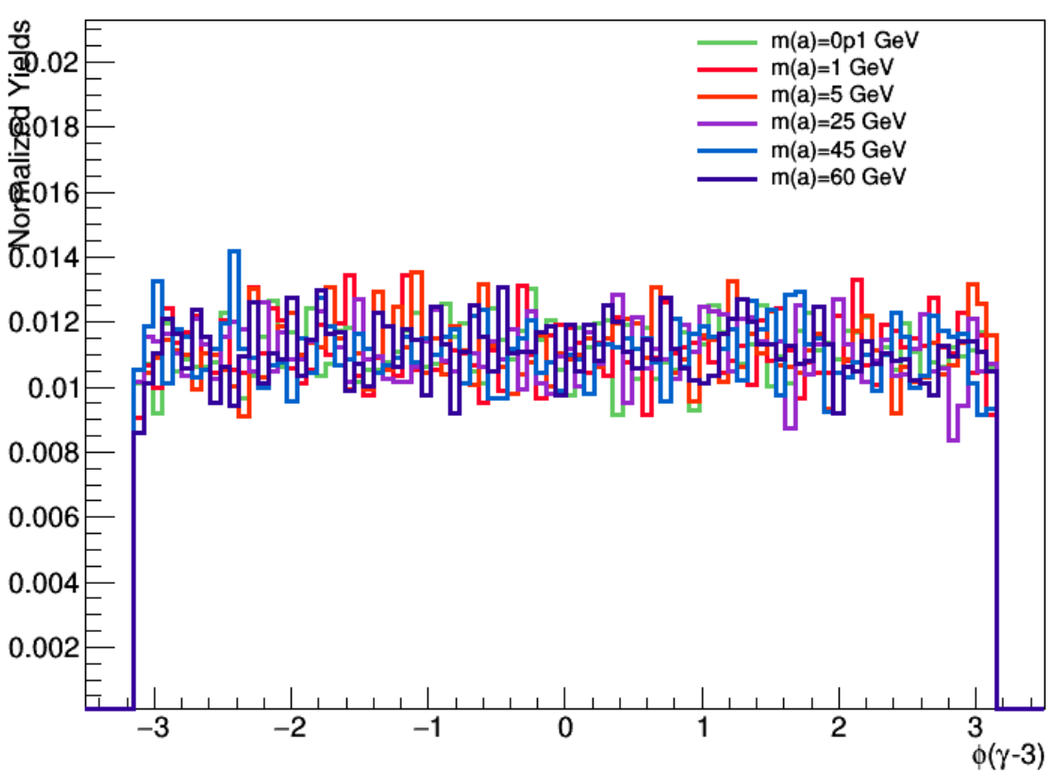

Normalized Yields
0.07
0.06
0.05
0.04
0.03
0.02
0.01
m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
−10 −8 −6 −4 −2 0 2 4 6 8 10
η(γ-2)

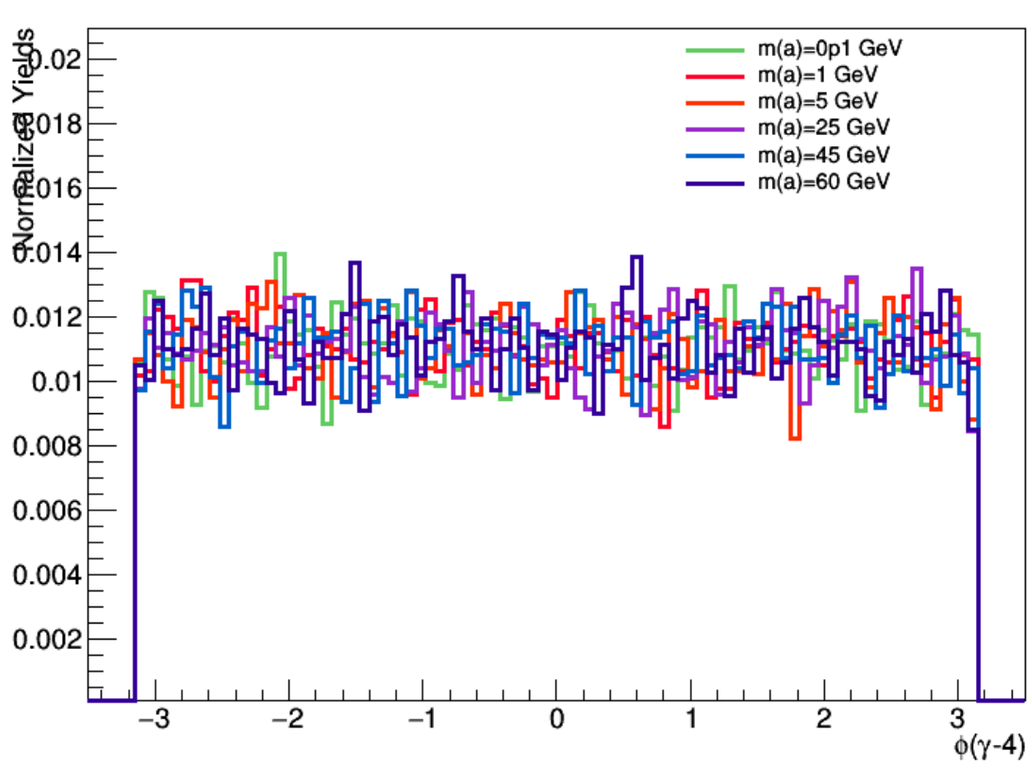

Normalized Yields
0.07
0.06
0.05
0.04
0.03
0.02
0.01
m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
−10 −8 −6 −4 −2 0 2 4 6 8 10
η(γ-3)

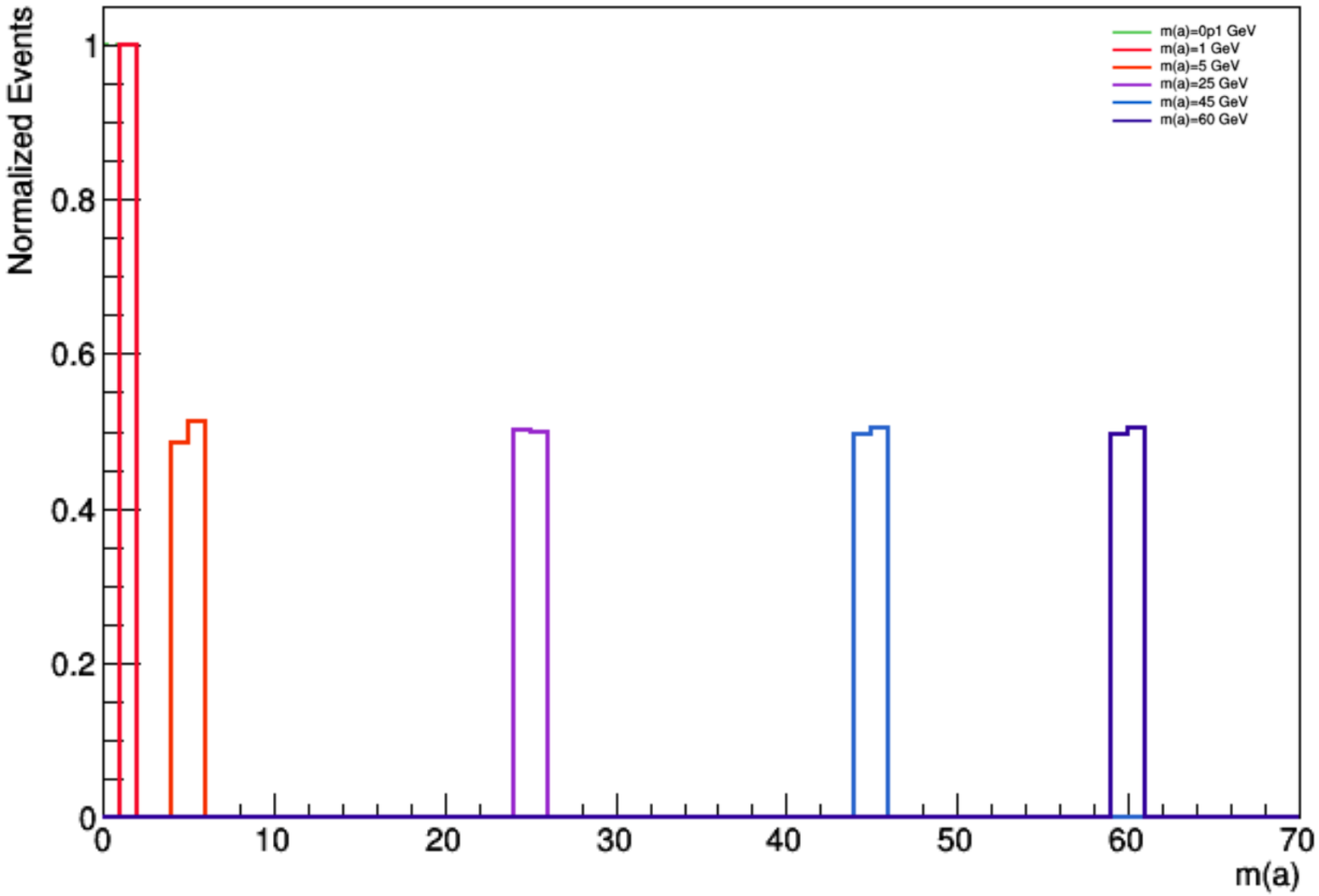

Normalized Yields
0.07
0.06
0.05
0.04
0.03
0.02
0.01
m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
−10 −8 −6 −4 −2 0 2 4 6 8 10
η(γ-4)


m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
Normalized Yields
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
−3
−2
−1
0
1
2
3
ϕ(γ-1)


m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
Normalized Yields
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
−3
−2
−1
0
1
2
3
ϕ(γ-2)


m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
Normalized Yields
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
−3
−2
−1
0
1
2
3
ϕ(γ-3)


m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV
Normalized Yields
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
−3
−2
−1
0
1
2
3
ϕ(γ-4)


Normalized Events
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
m(a)
m(a)=0p1 GeV
m(a)=1 GeV
m(a)=5 GeV
m(a)=25 GeV
m(a)=45 GeV
m(a)=60 GeV