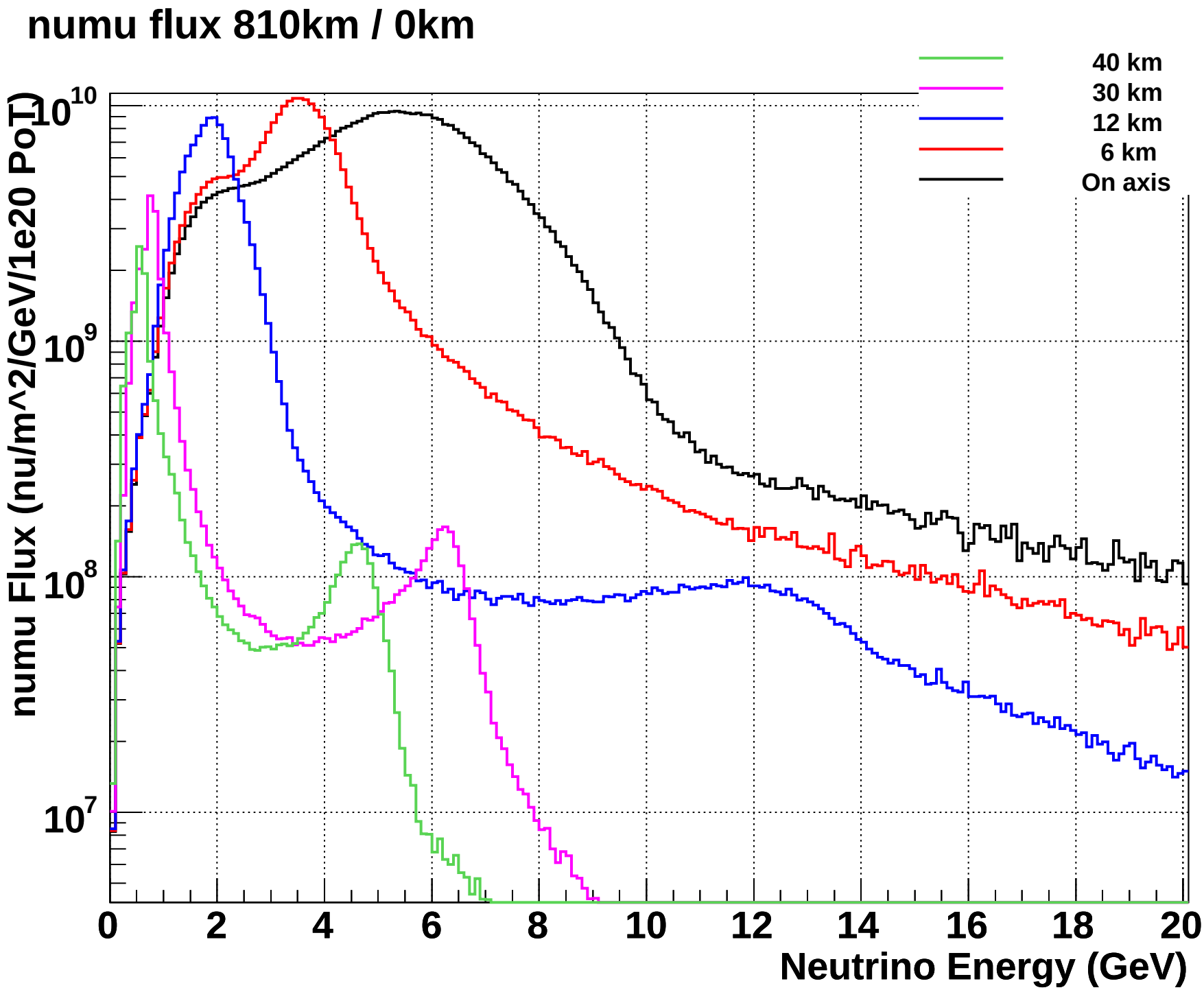
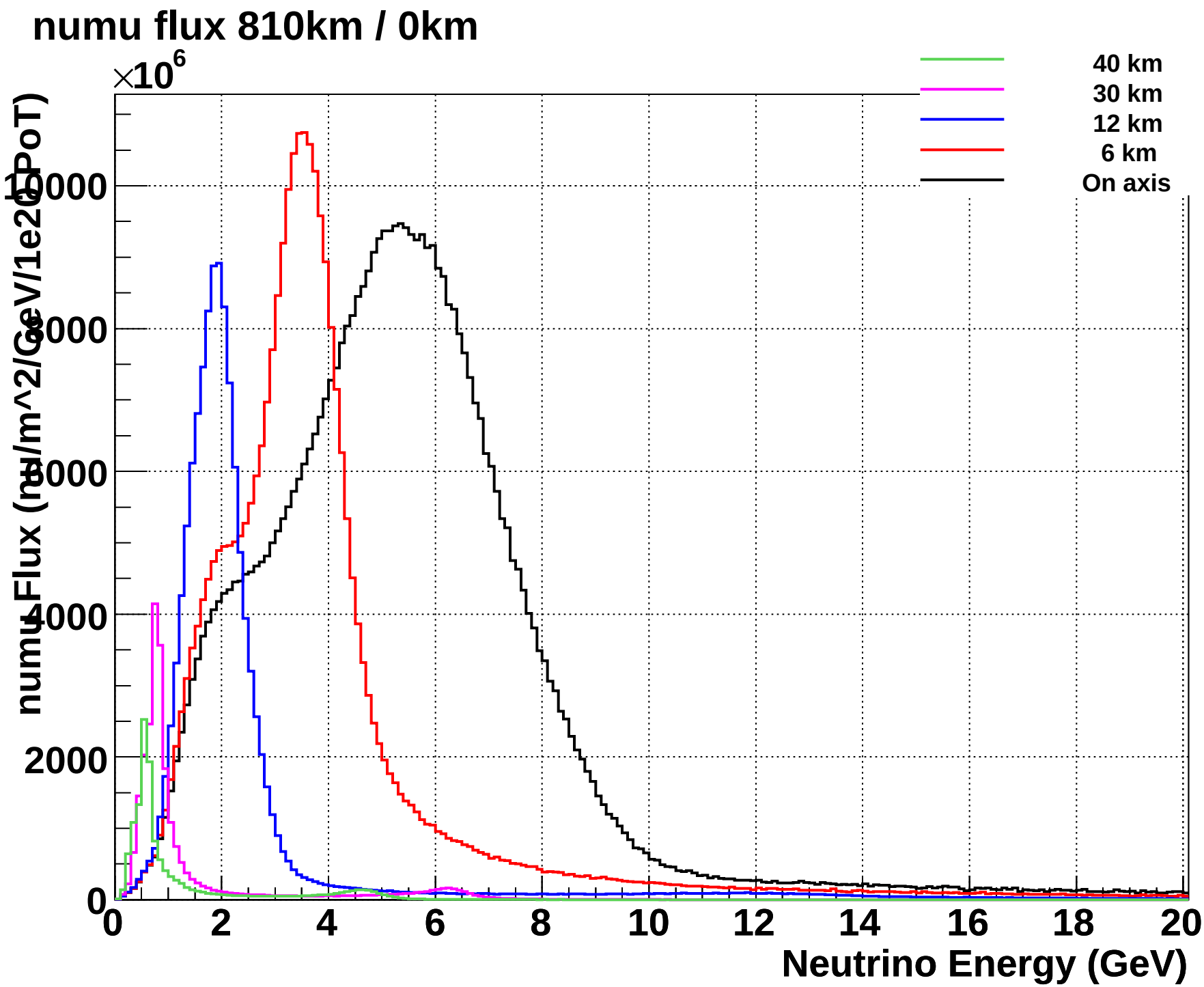
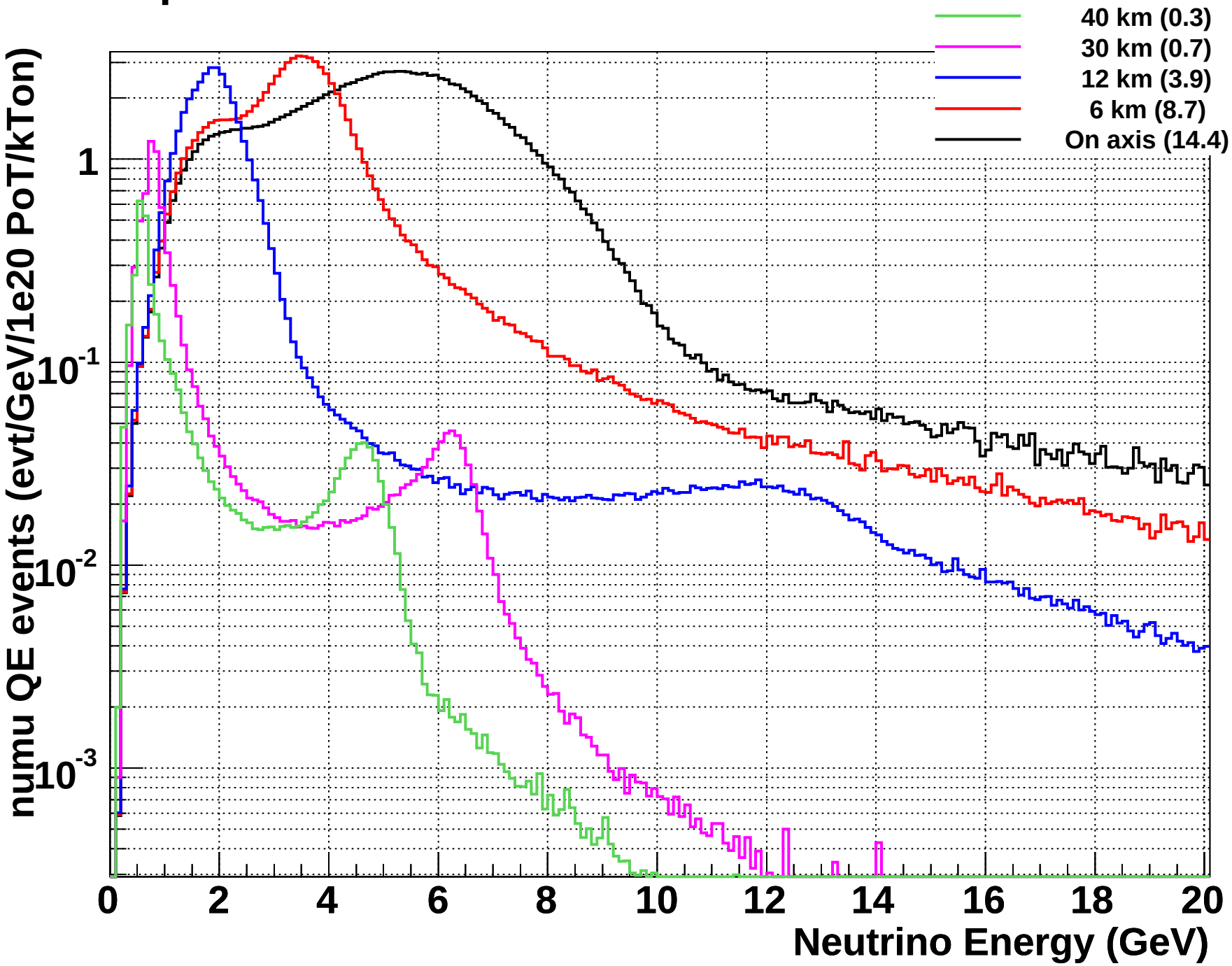
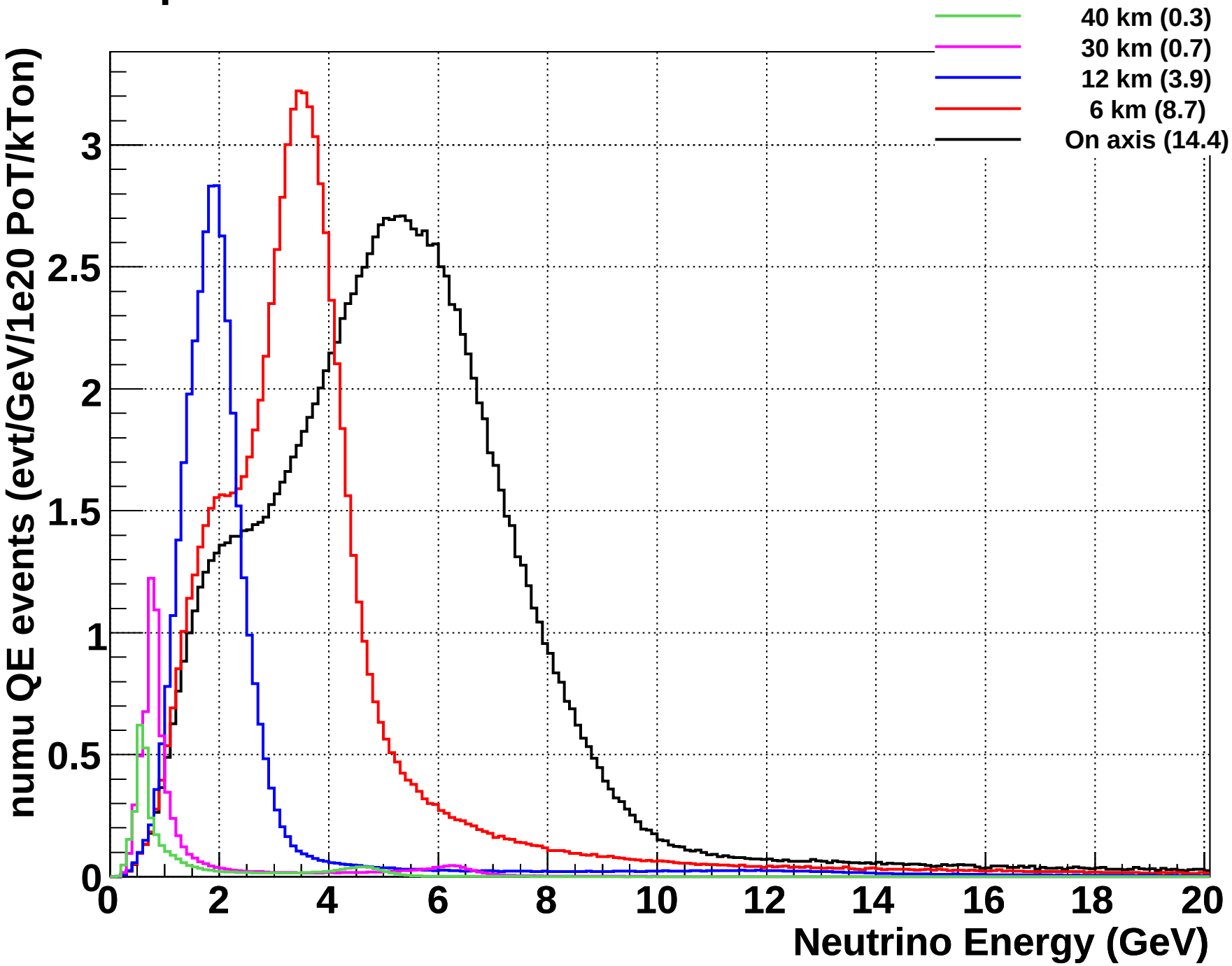
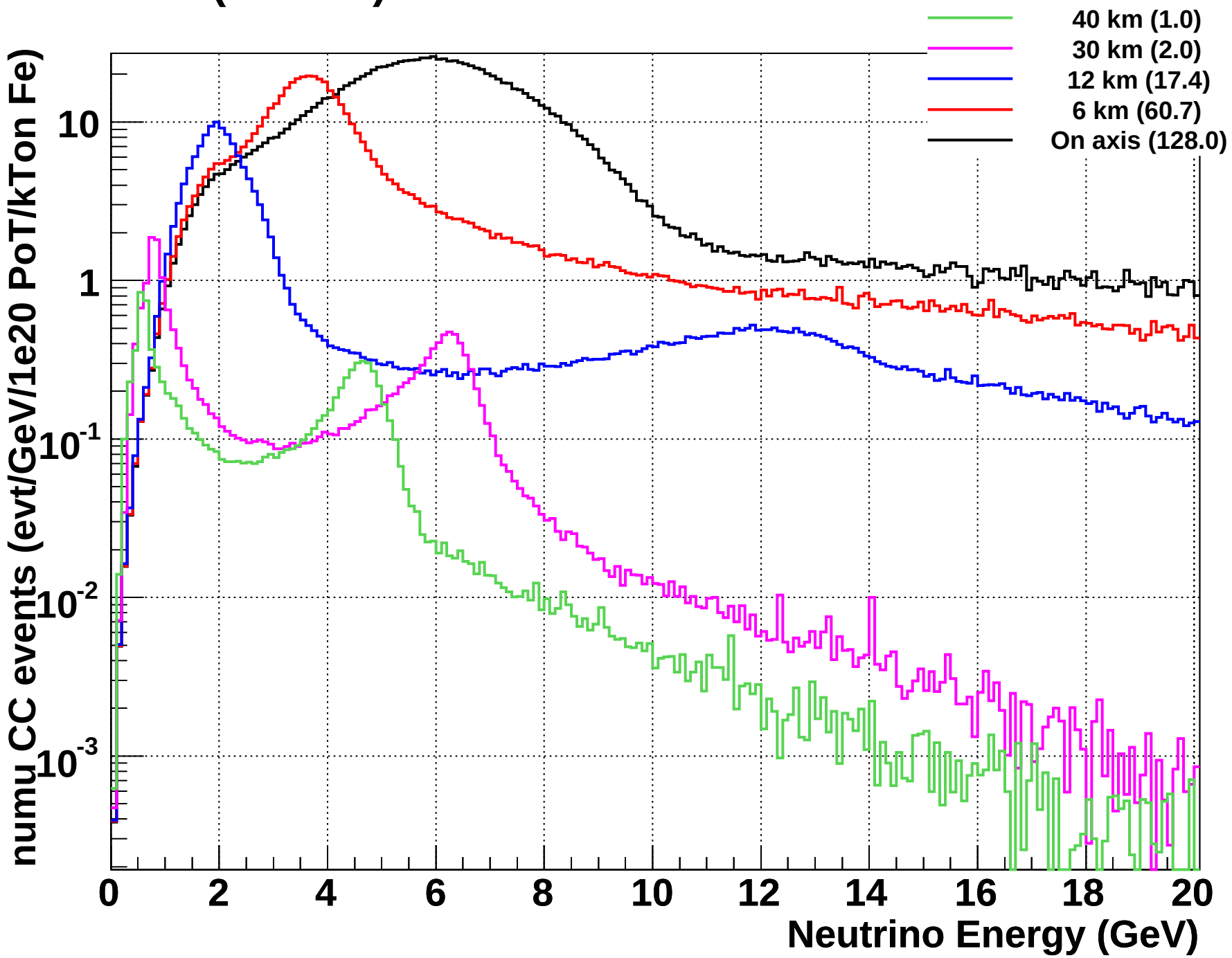
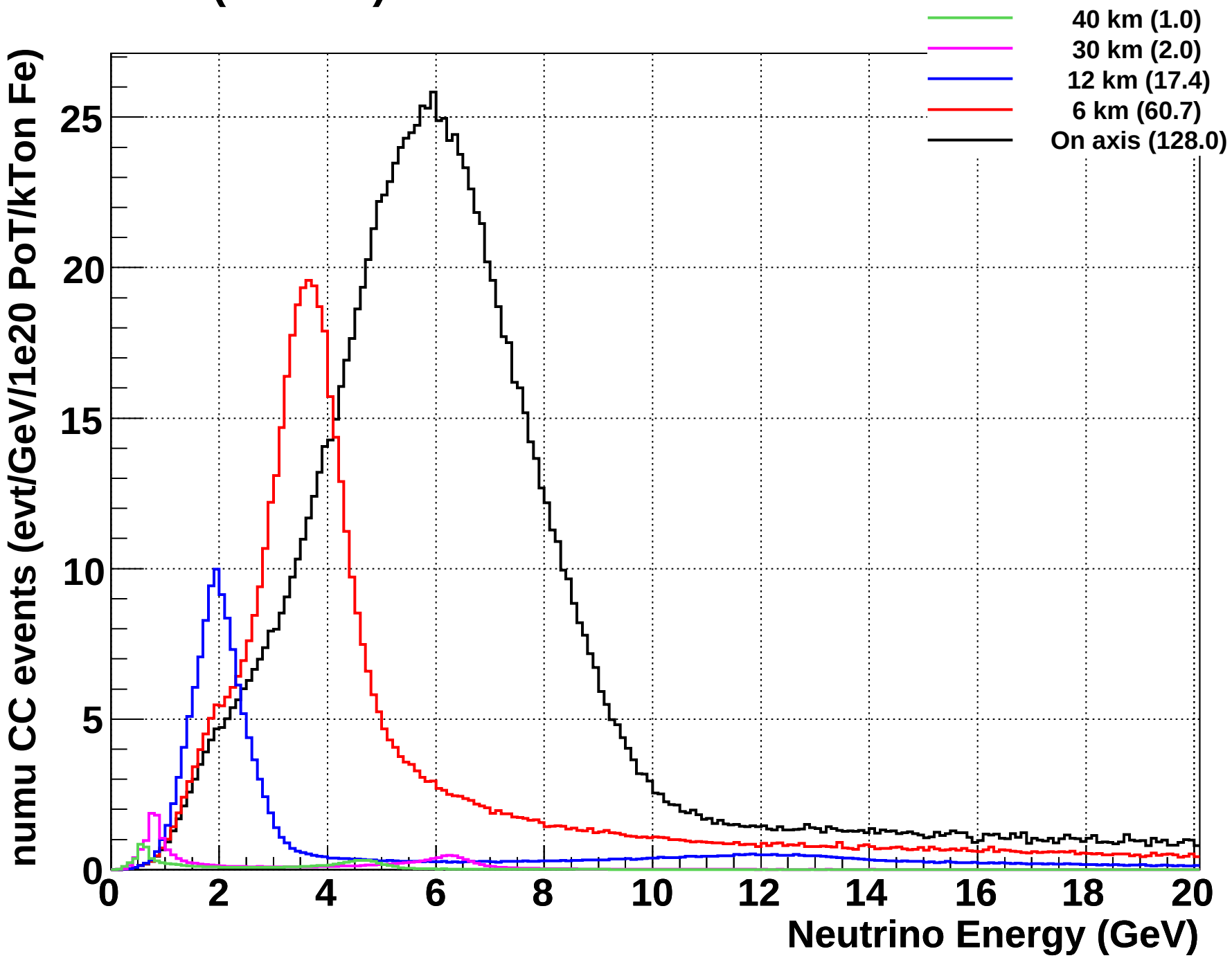

numu flux 810km / 0km
40 km
30 km
12 km
6 km
On axis
numu Flux (nu/m^2/GeV/1e20 PoT)
10^{10}
10^{9}
10^{8}
10^{7}
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

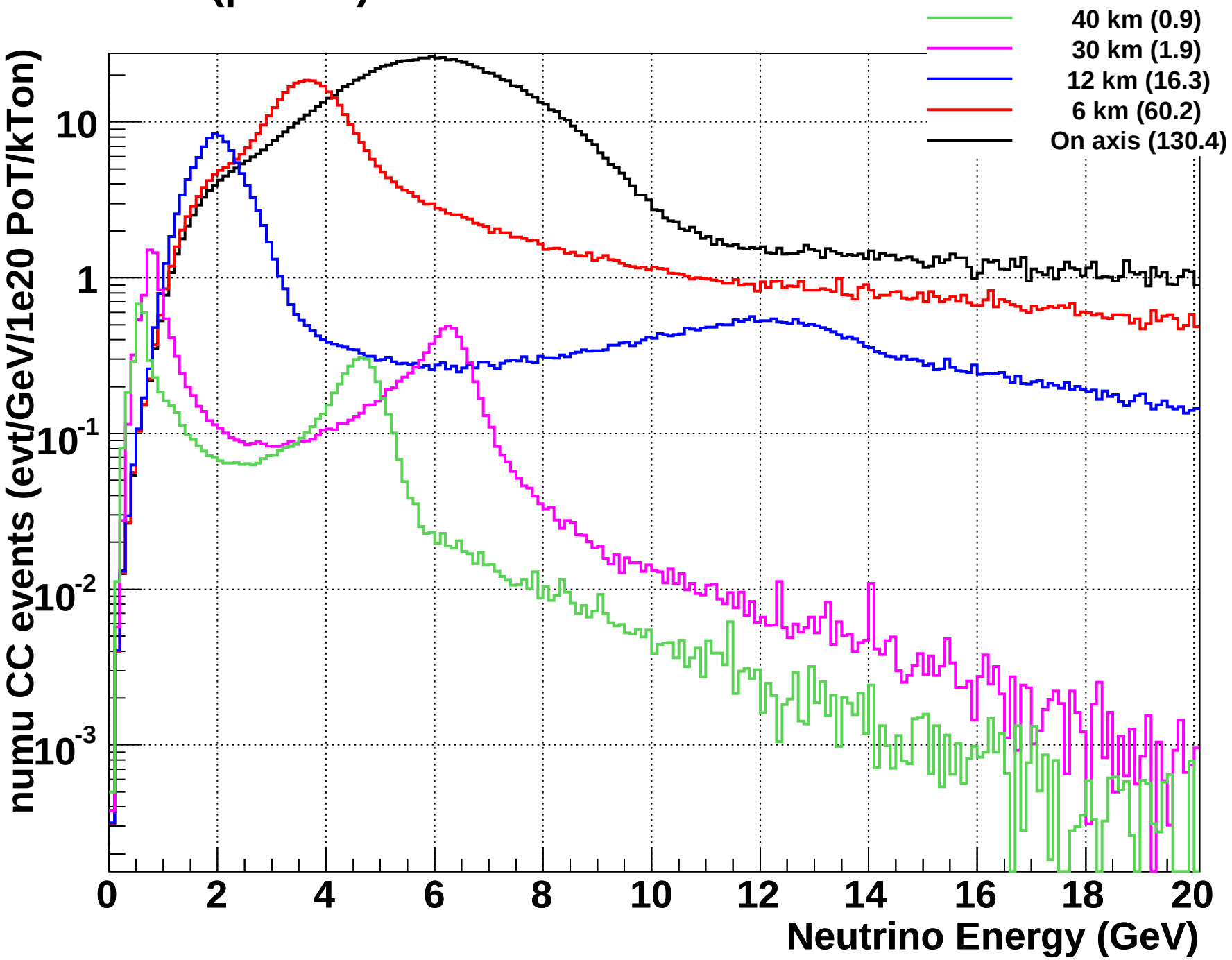

numu flux 810km / 0km
×10^6
numu Flux (nu/m^2/GeV/1e20PoT)
Neutrino Energy (GeV)
40 km
30 km
12 km
6 km
On axis
0
2000
4000
6000
8000
10000
12000
0
2
4
6
8
10
12
14
16
18
20

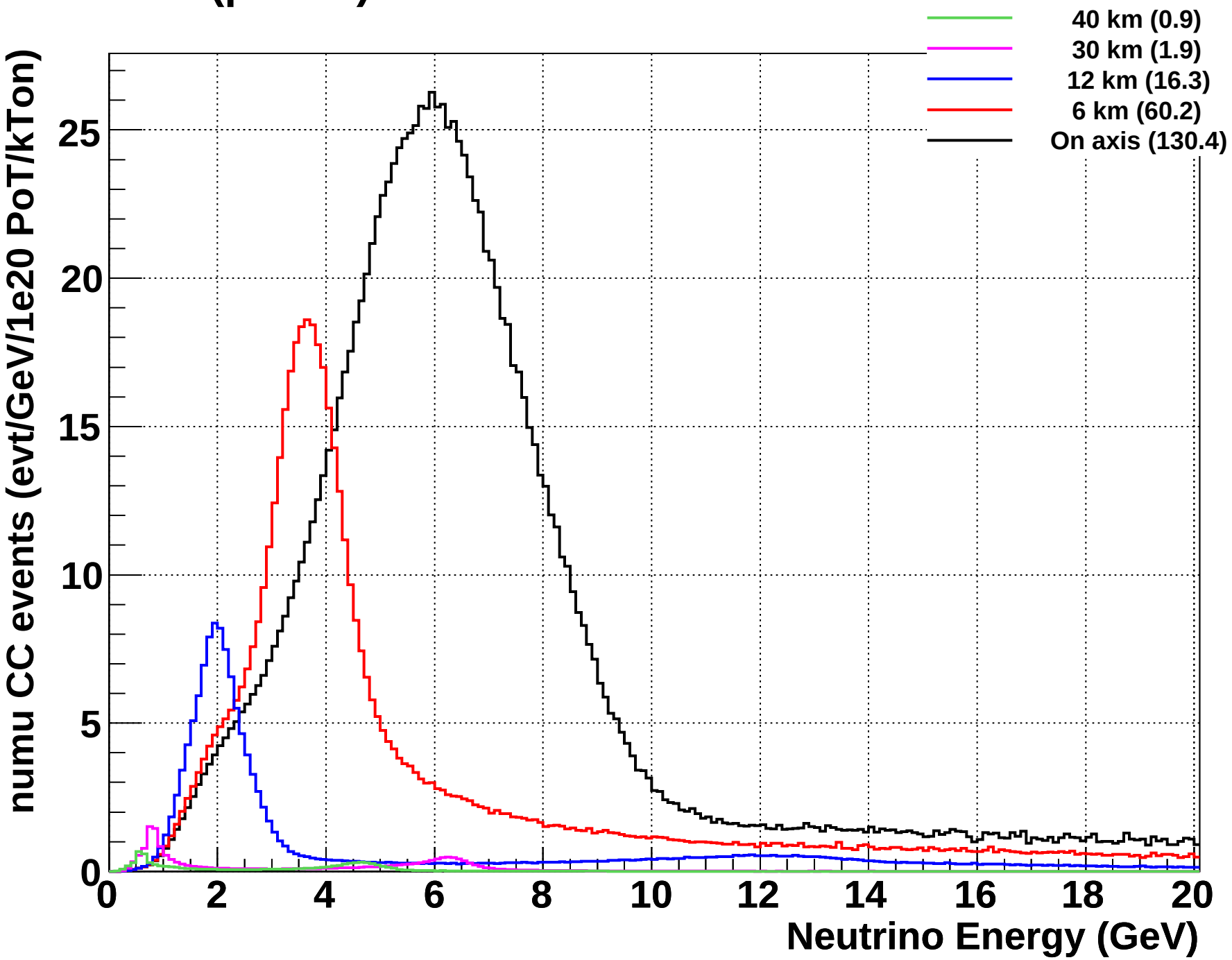

numu qe 810km / 0km
40 km (0.3)
30 km (0.7)
12 km (3.9)
6 km (8.7)
On axis (14.4)
numu QE events (evt/GeV/1e20 PoT/kTon)
1
10^-1
10^-2
10^-3
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

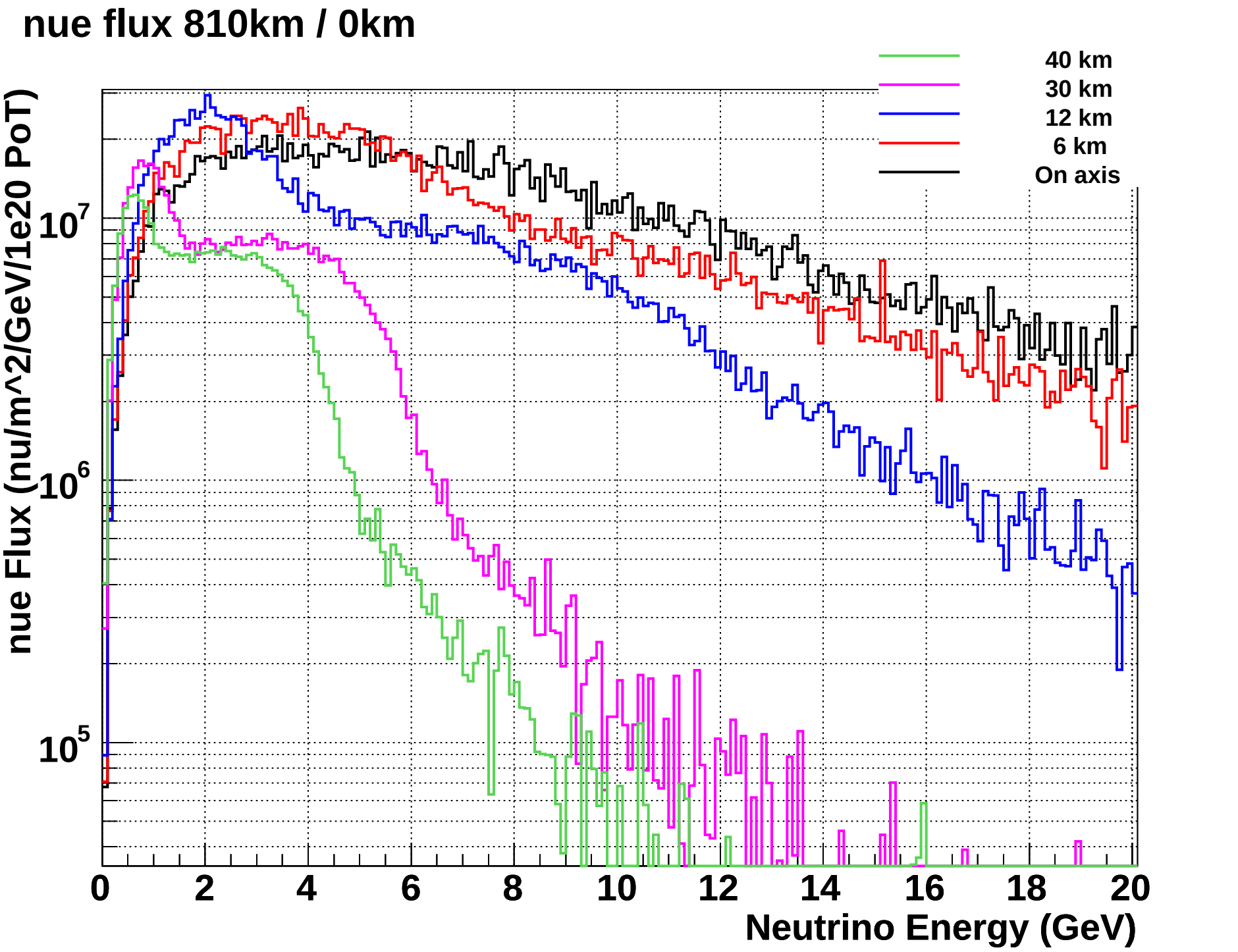

numu qe 810km / 0km
40 km (0.3)
30 km (0.7)
12 km (3.9)
6 km (8.7)
On axis (14.4)
numu QE events (evt/GeV/1e20 PoT/kTon)
0
0.5
1
1.5
2
2.5
3
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

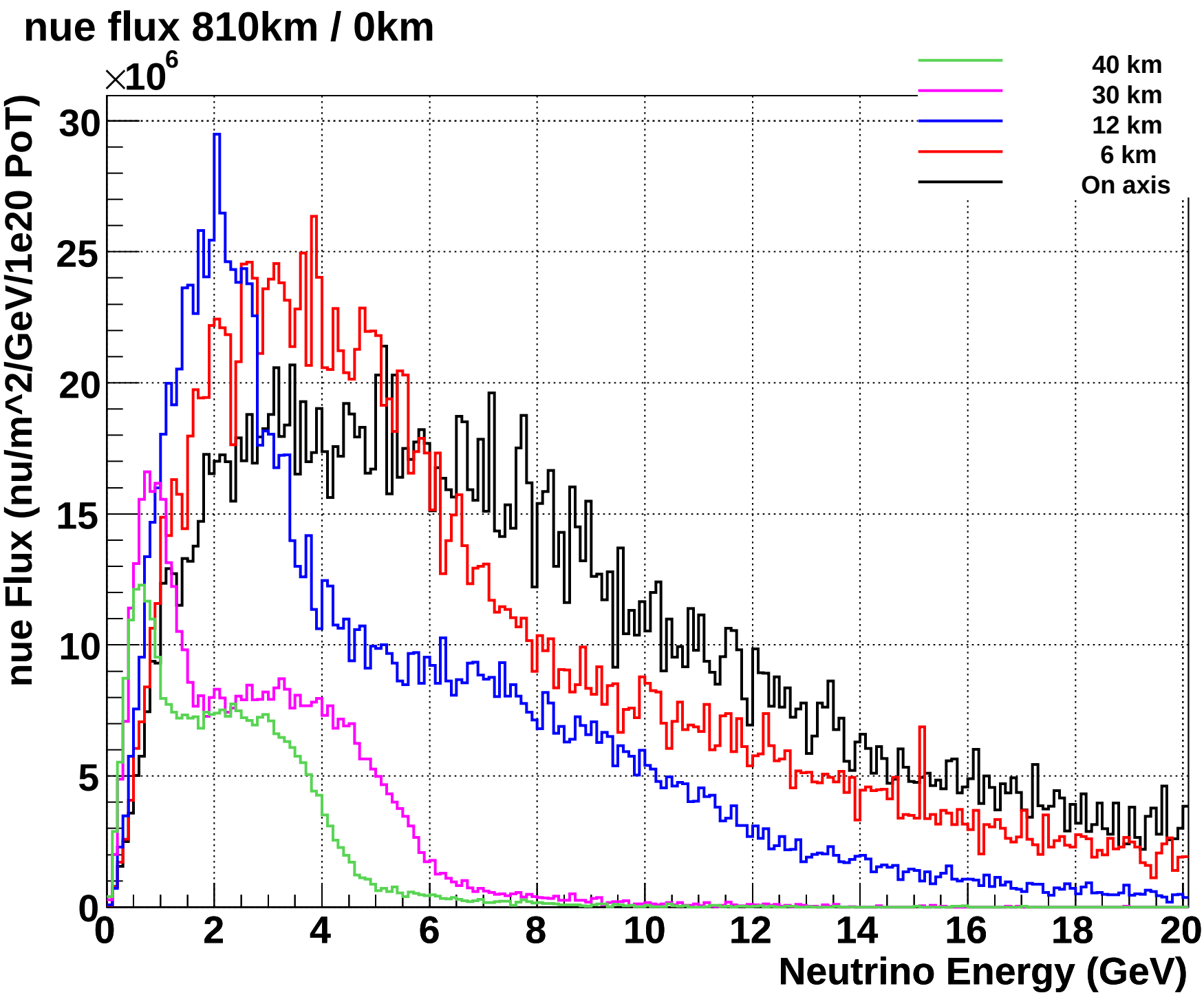

numu cc (xseccc) 810km / 0km
40 km (1.0)
30 km (2.0)
12 km (17.4)
6 km (60.7)
On axis (128.0)
numu CC events (evt/GeV/1e20 PoT/kTon Fe)
10
1
10^-1
10^-2
10^-3
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

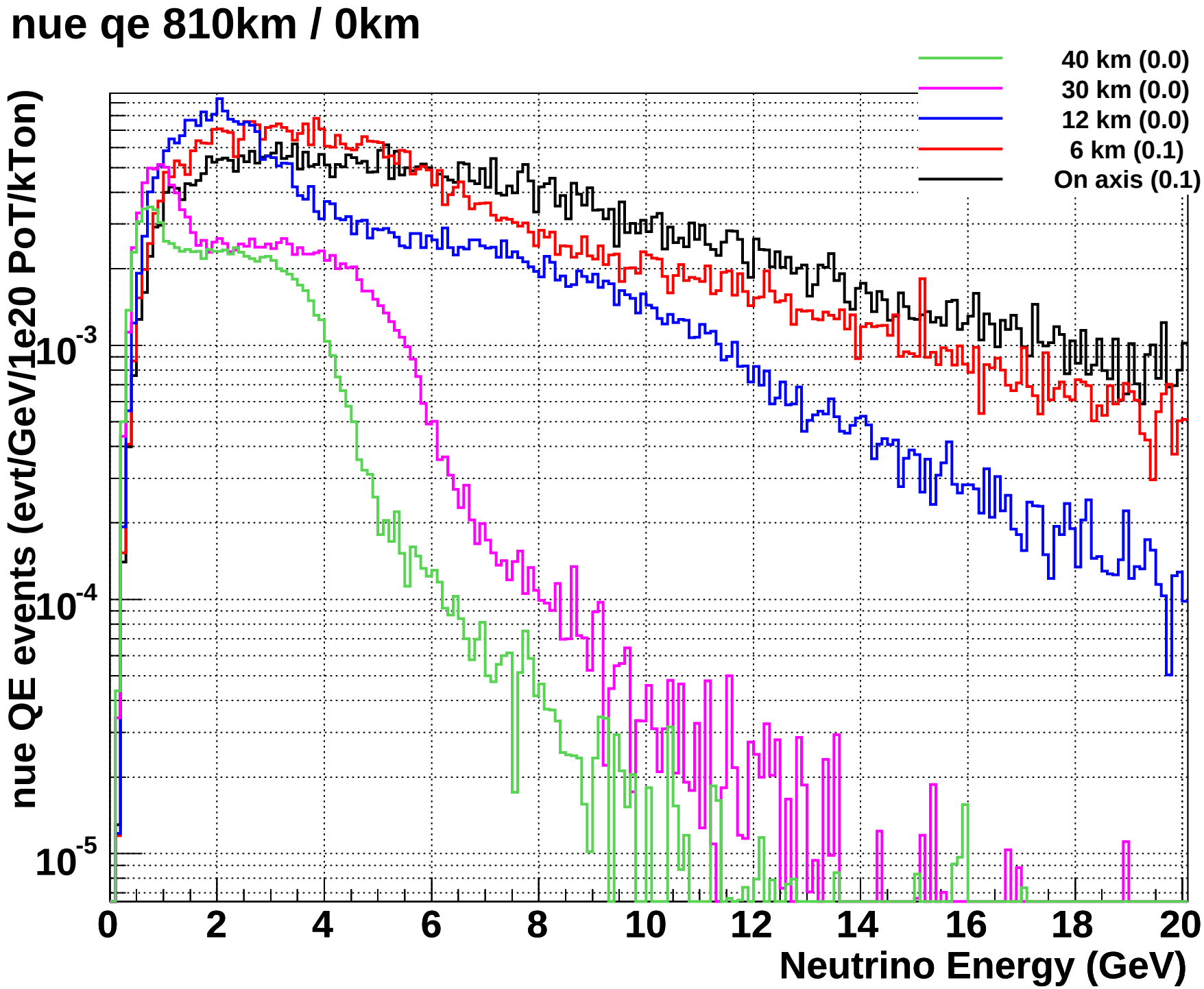

numu cc (xseccc) 810km / 0km
40 km (1.0)
30 km (2.0)
12 km (17.4)
6 km (60.7)
On axis (128.0)
numu CC events (evt/GeV/1e20 PoT/kTon Fe)
0
5
10
15
20
25
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

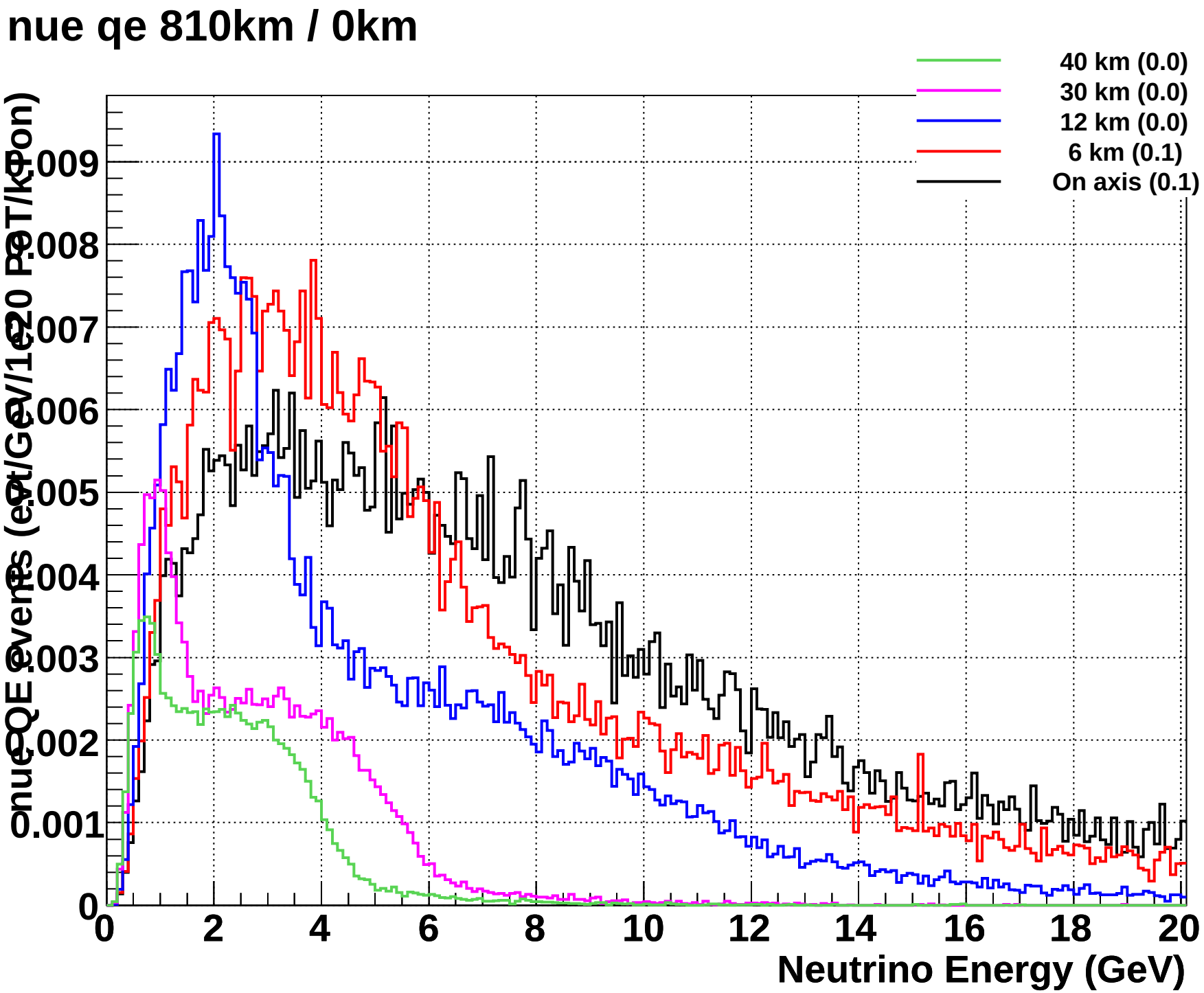

numu cc (param) 810km / 0km
40 km (0.9)
30 km (1.9)
12 km (16.3)
6 km (60.2)
On axis (130.4)
numu CC events (evt/GeV/1e20 PoT/kTon)
10
1
10^-1
10^-2
10^-3
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

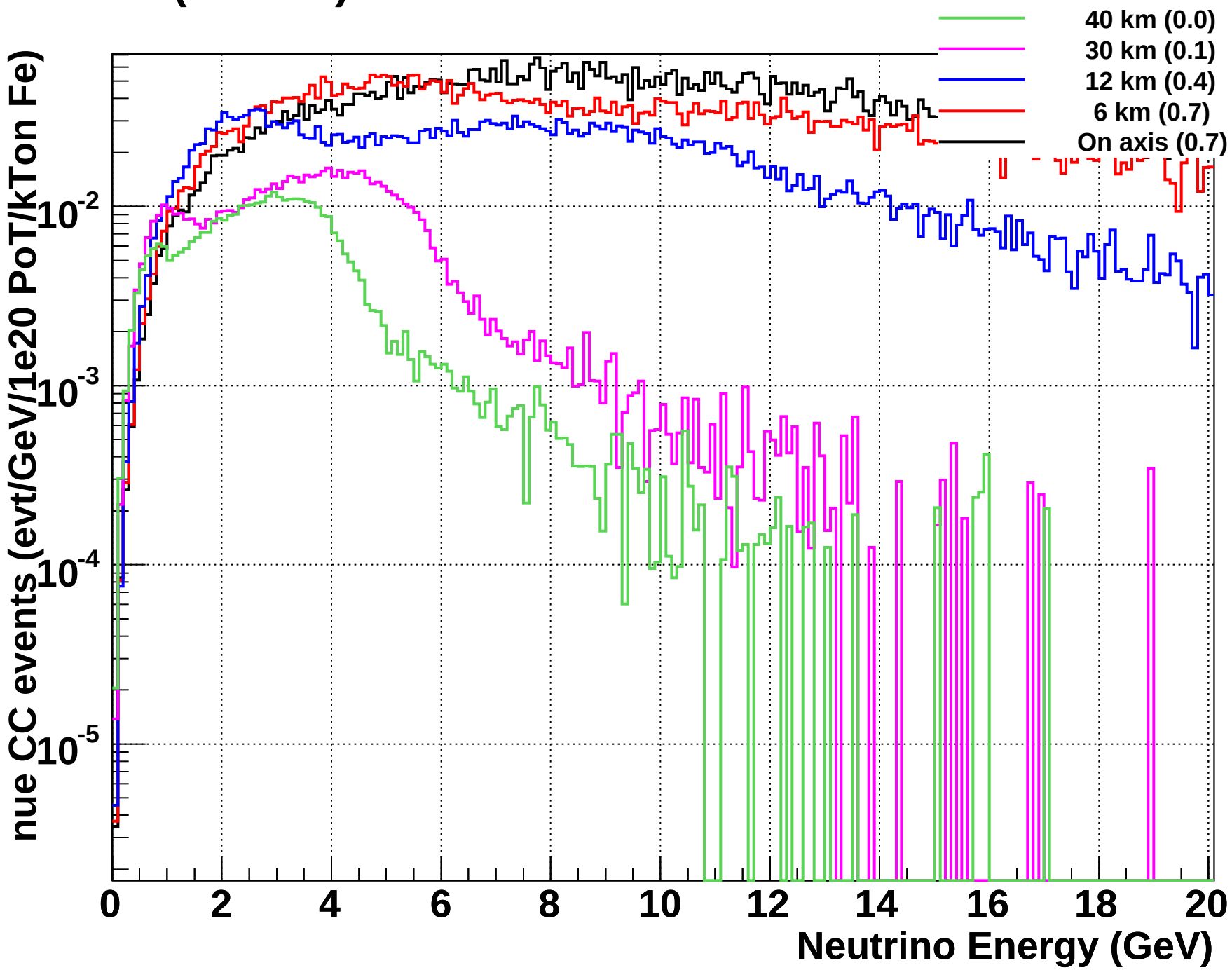

numu cc (param) 810km / 0km
40 km (0.9)
30 km (1.9)
12 km (16.3)
6 km (60.2)
On axis (130.4)
numu CC events (evt/GeV/1e20 PoT/kTon)
0
5
10
15
20
25
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

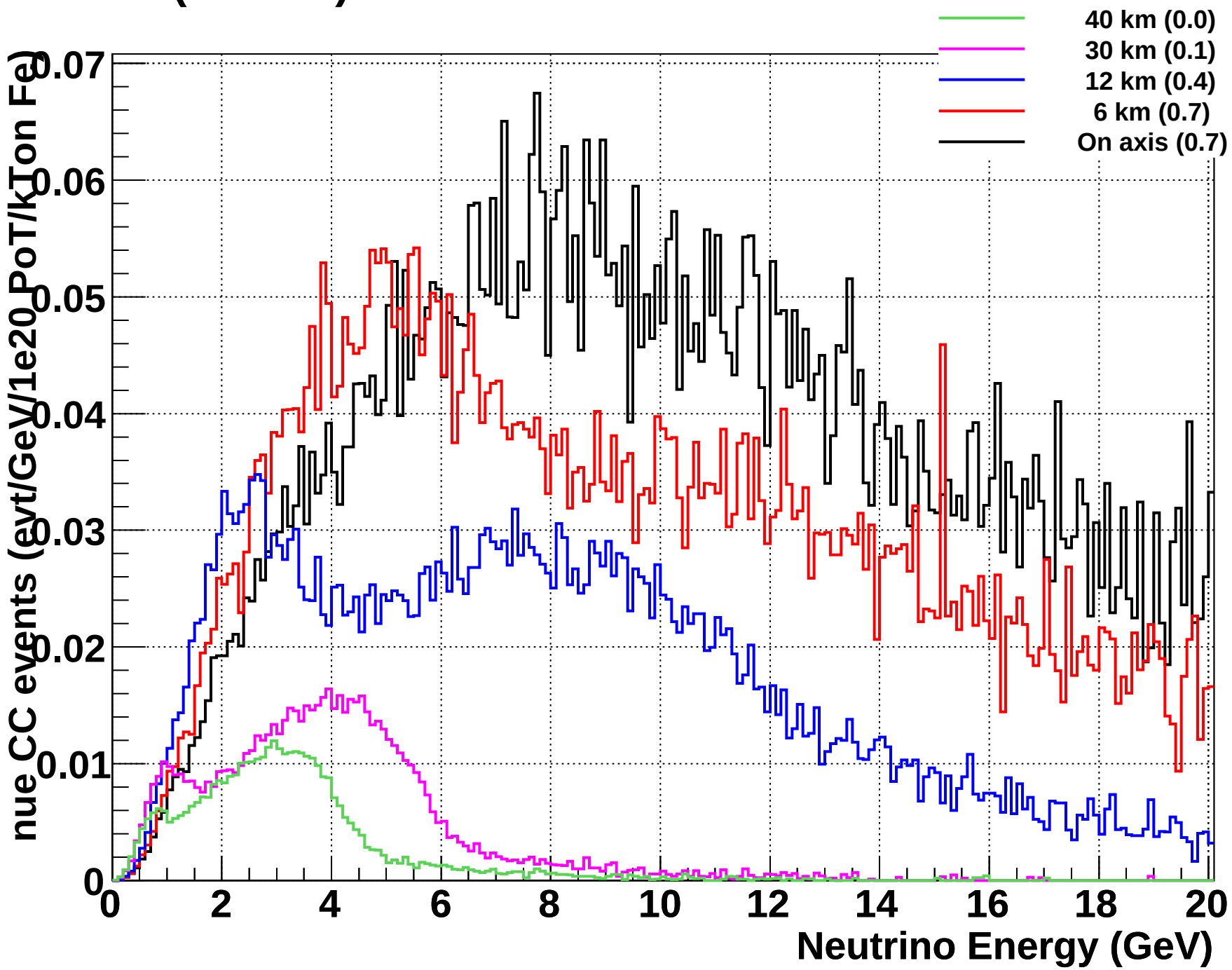

nue flux 810km / 0km
40 km
30 km
12 km
6 km
On axis
nue Flux (nu/m^2/GeV/1e20 PoT)
10^7
10^6
10^5
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)

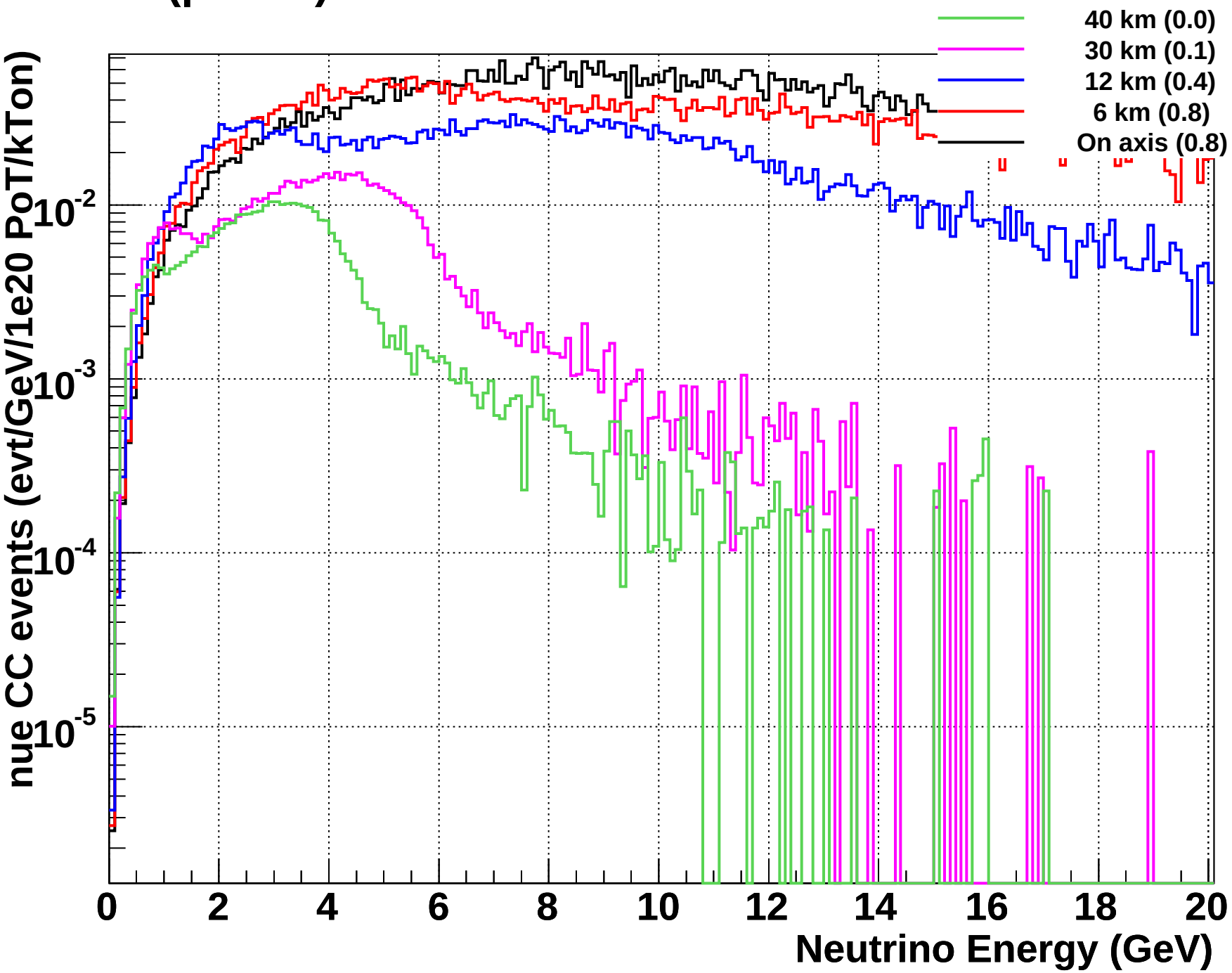

nue flux 810km / 0km
×10^6
nue Flux (nu/m^2/GeV/1e20 PoT)
Neutrino Energy (GeV)
40 km
30 km
12 km
6 km
On axis
0
5
10
15
20
25
30
0
2
4
6
8
10
12
14
16
18
20

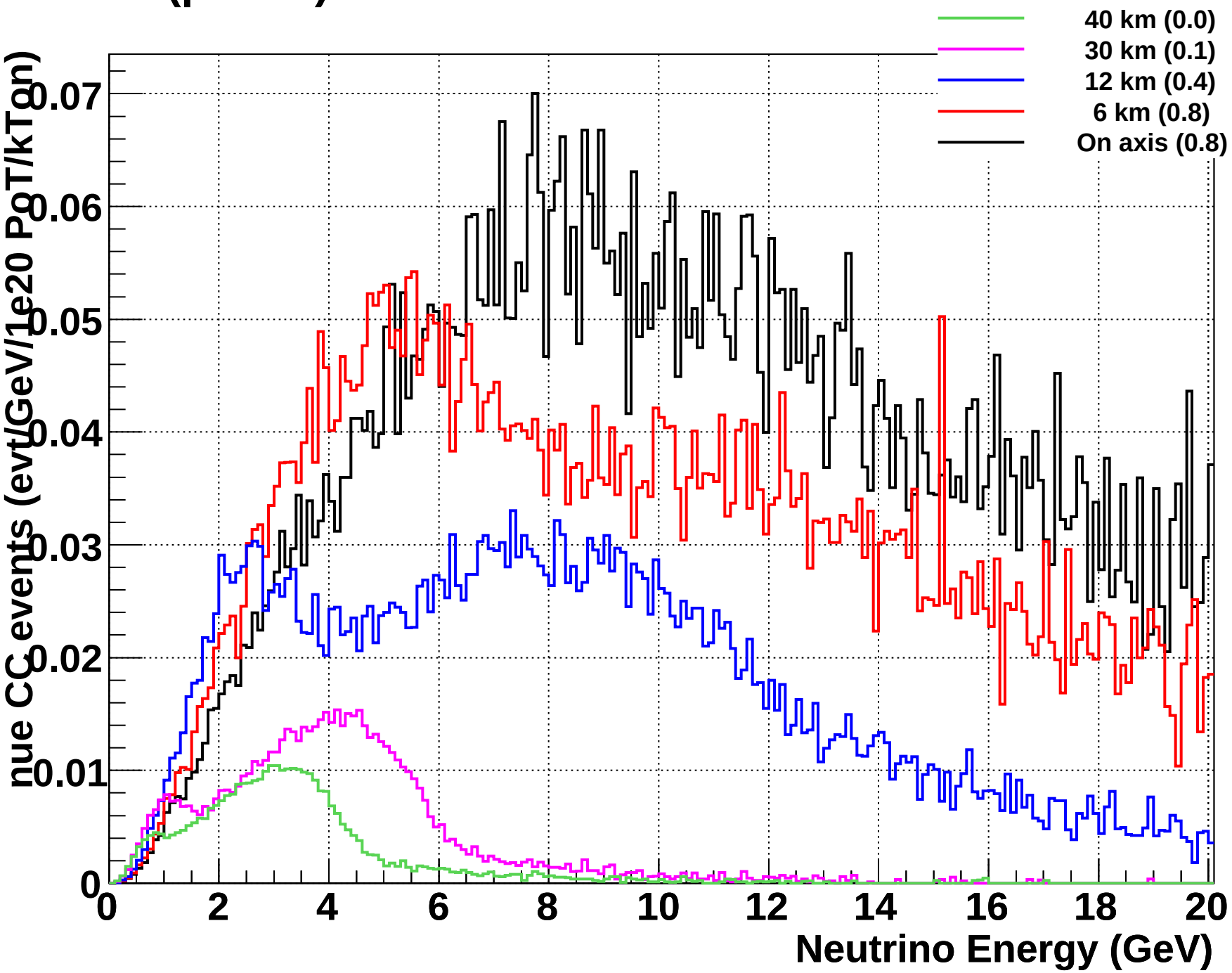

nue qe 810km / 0km
40 km (0.0)
30 km (0.0)
12 km (0.0)
6 km (0.1)
On axis (0.1)
nue QE events (evt/GeV/1e20 PoT/kTon)
10^-3
10^-4
10^-5
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)


nue qe 810km / 0km
40 km (0.0)
30 km (0.0)
12 km (0.0)
6 km (0.1)
On axis (0.1)
nue CCQE Events (evt/GeV/1e20 POT/kTon)
0
0.001
0.002
0.003
0.004
0.005
0.006
0.007
0.008
0.009
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)


nue cc (xseccc) 810km / 0km
40 km (0.0)
30 km (0.1)
12 km (0.4)
6 km (0.7)
On axis (0.7)
nue CC events (evt/GeV/1e20 PoT/kTon Fe)
10^-2
10^-3
10^-4
10^-5
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)


nue cc (xseccc) 810km / 0km
40 km (0.0)
30 km (0.1)
12 km (0.4)
6 km (0.7)
On axis (0.7)
nue CC events (evt/GeV/1e20 PoT/kTon Fe)
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)


nue cc (param) 810km / 0km
40 km (0.0)
30 km (0.1)
12 km (0.4)
6 km (0.8)
On axis (0.8)
nue CC events (evt/GeV/1e20 PoT/kTon)
10^-2
10^-3
10^-4
10^-5
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)


nue cc (param) 810km / 0km
40 km (0.0)
30 km (0.1)
12 km (0.4)
6 km (0.8)
On axis (0.8)
nue CC events (evt/GeV/1e20 PoT/kTon)
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0
2
4
6
8
10
12
14
16
18
20
Neutrino Energy (GeV)