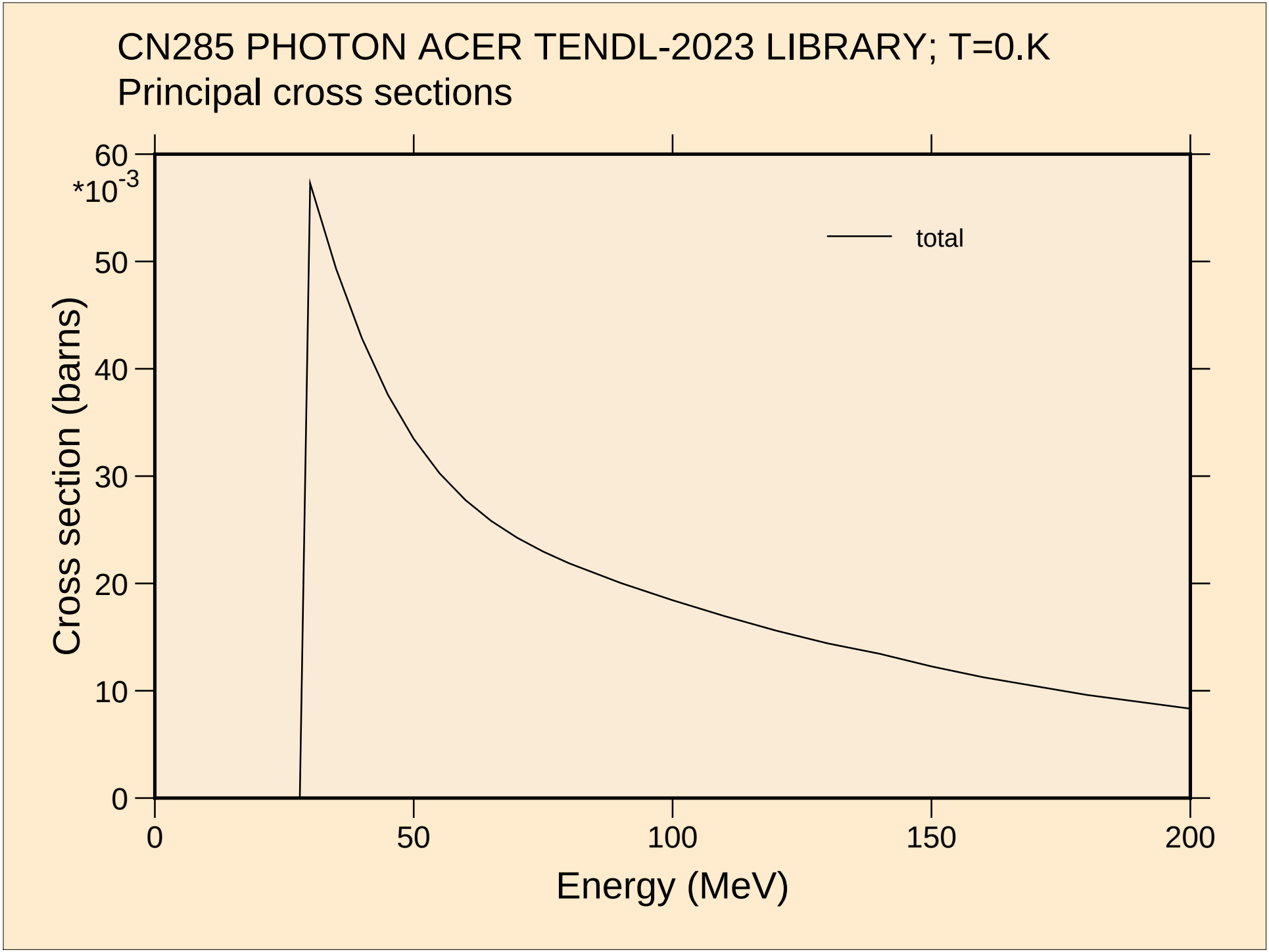
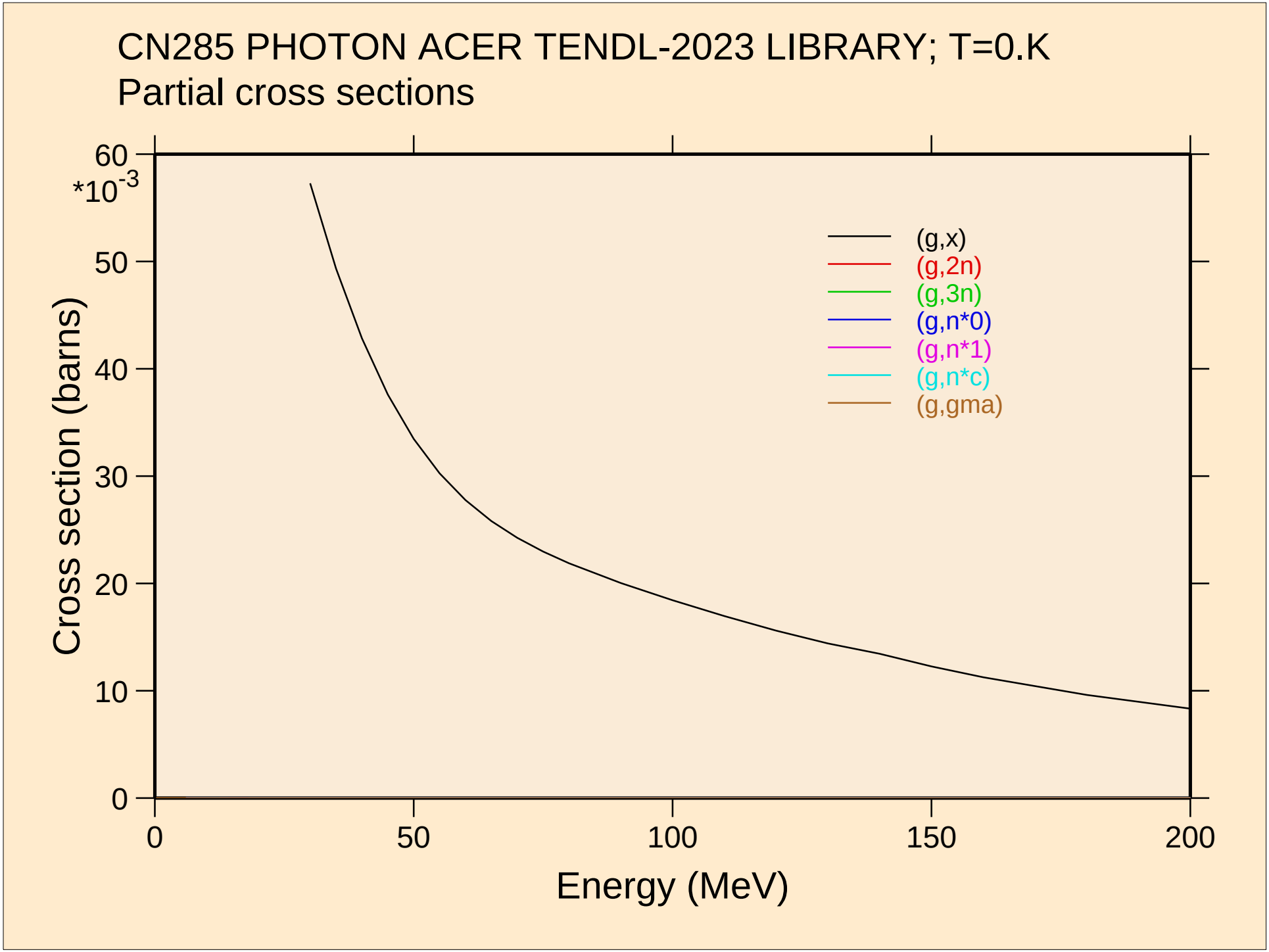
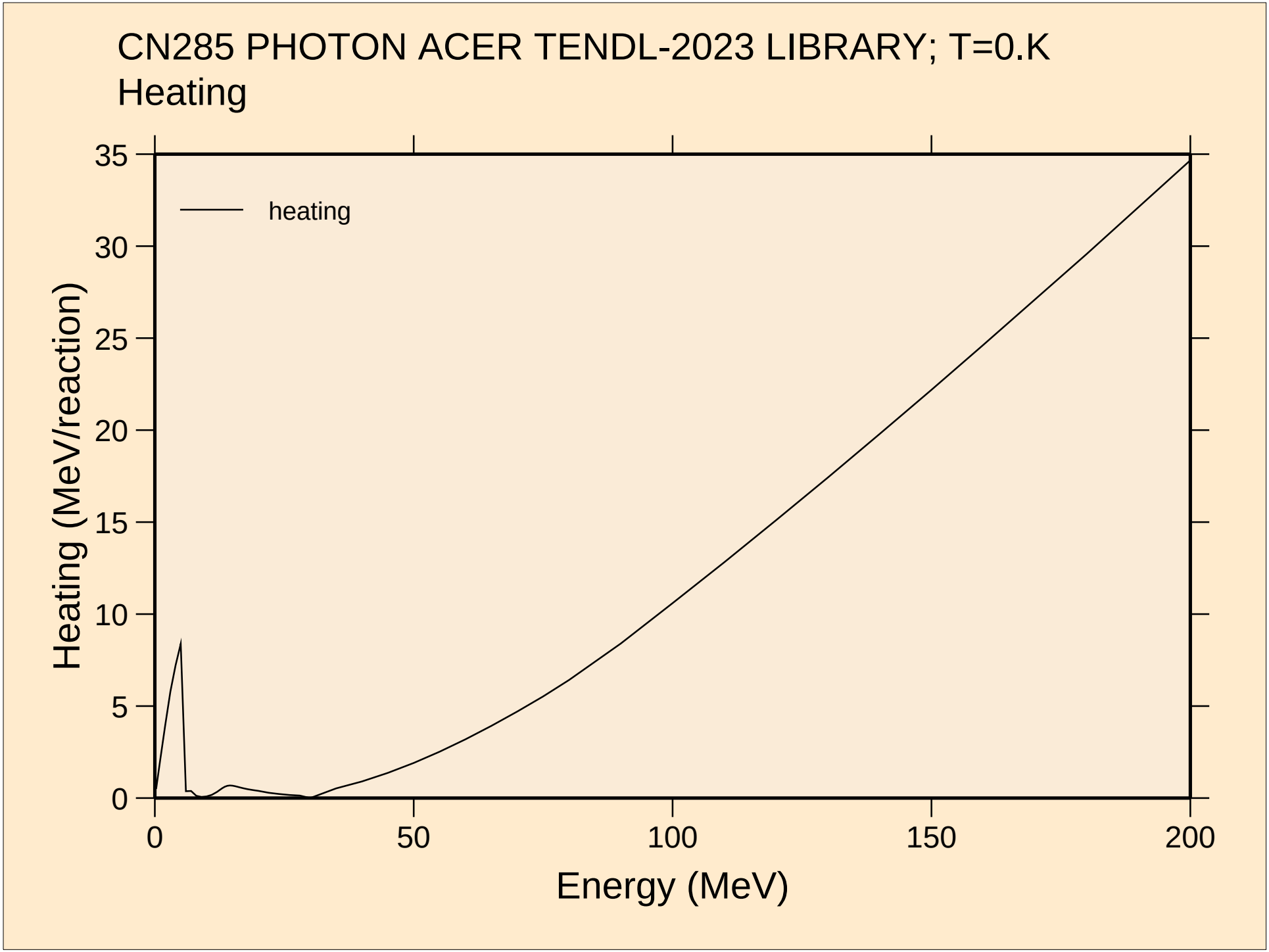
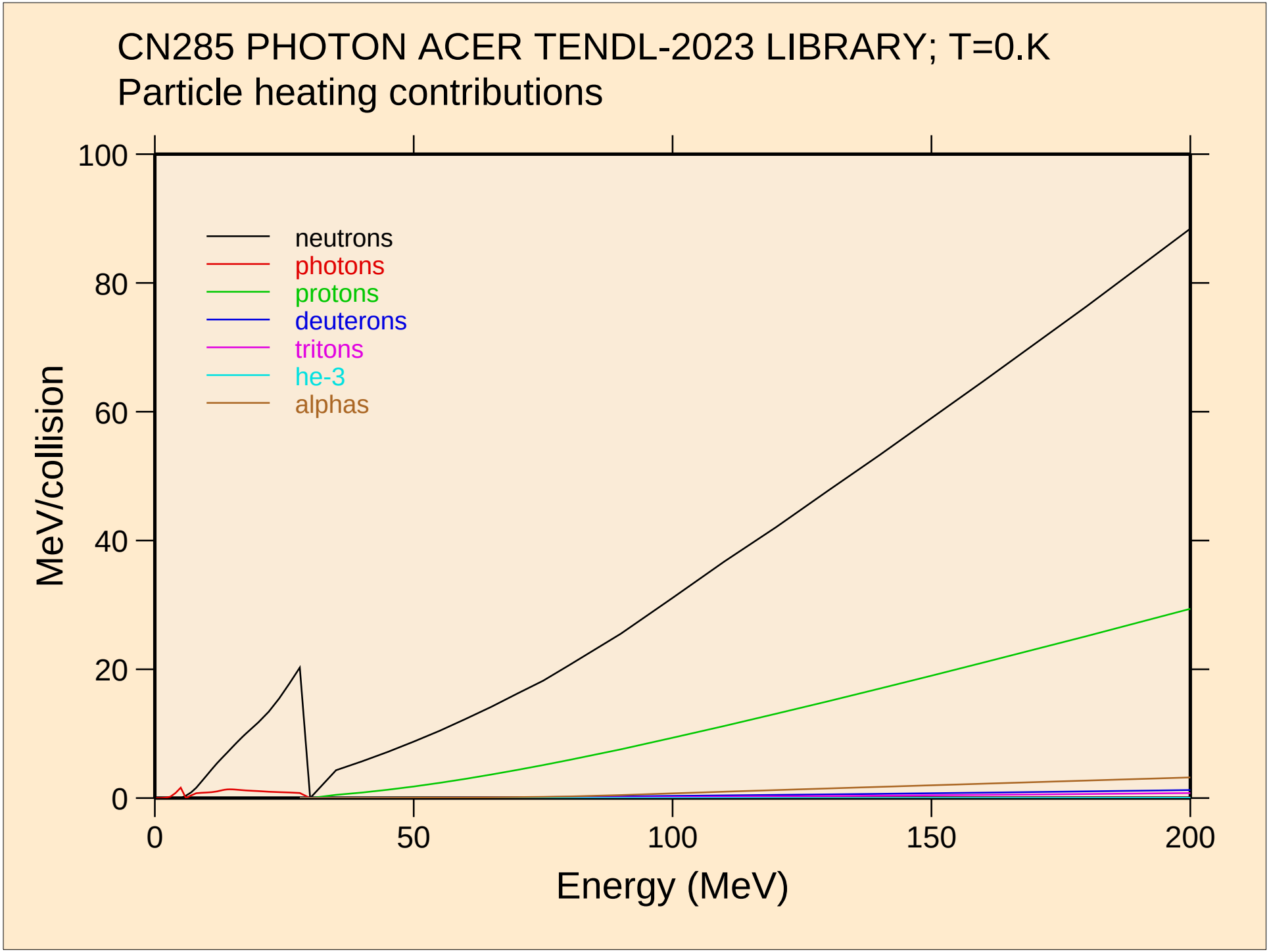
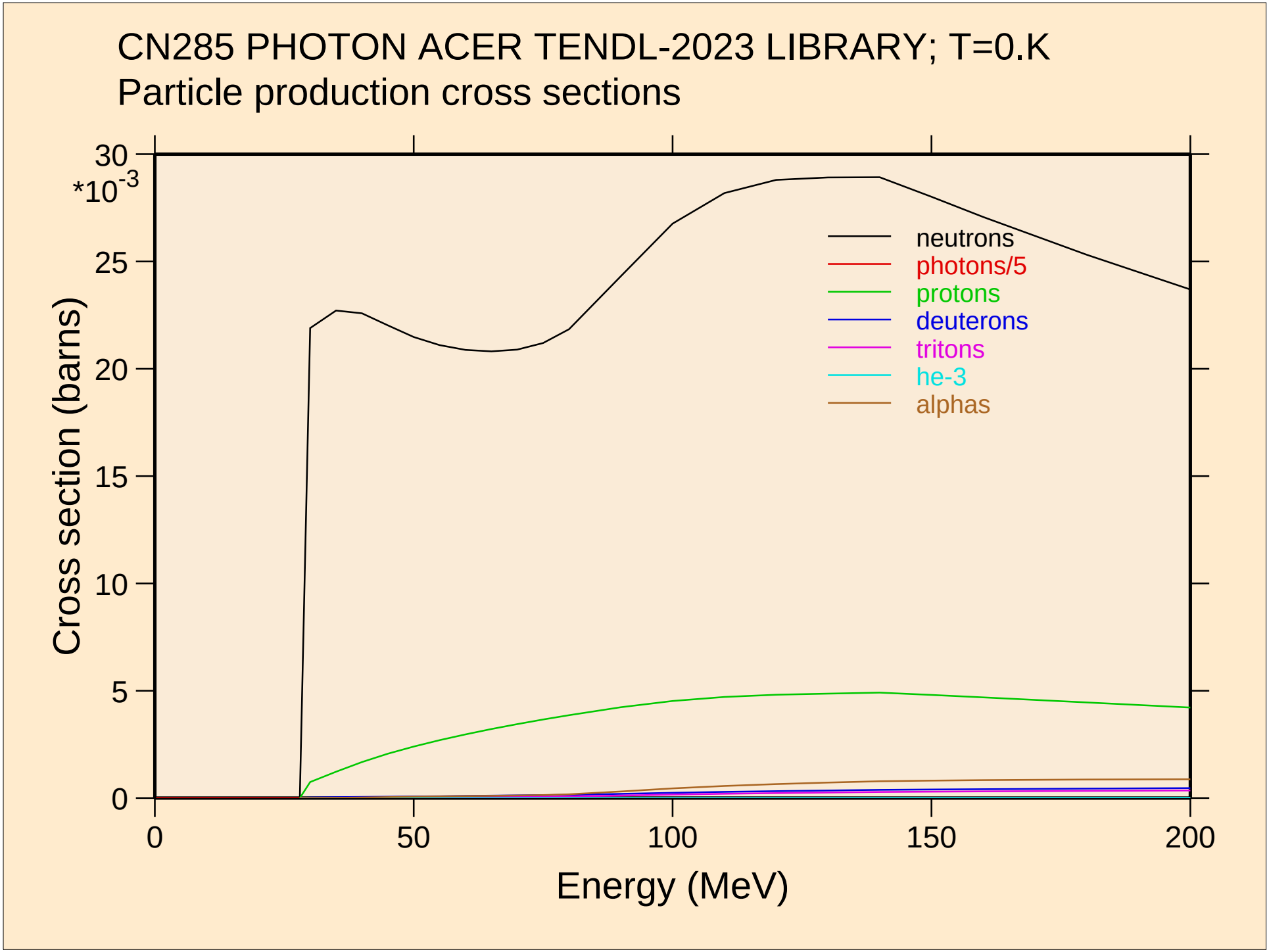
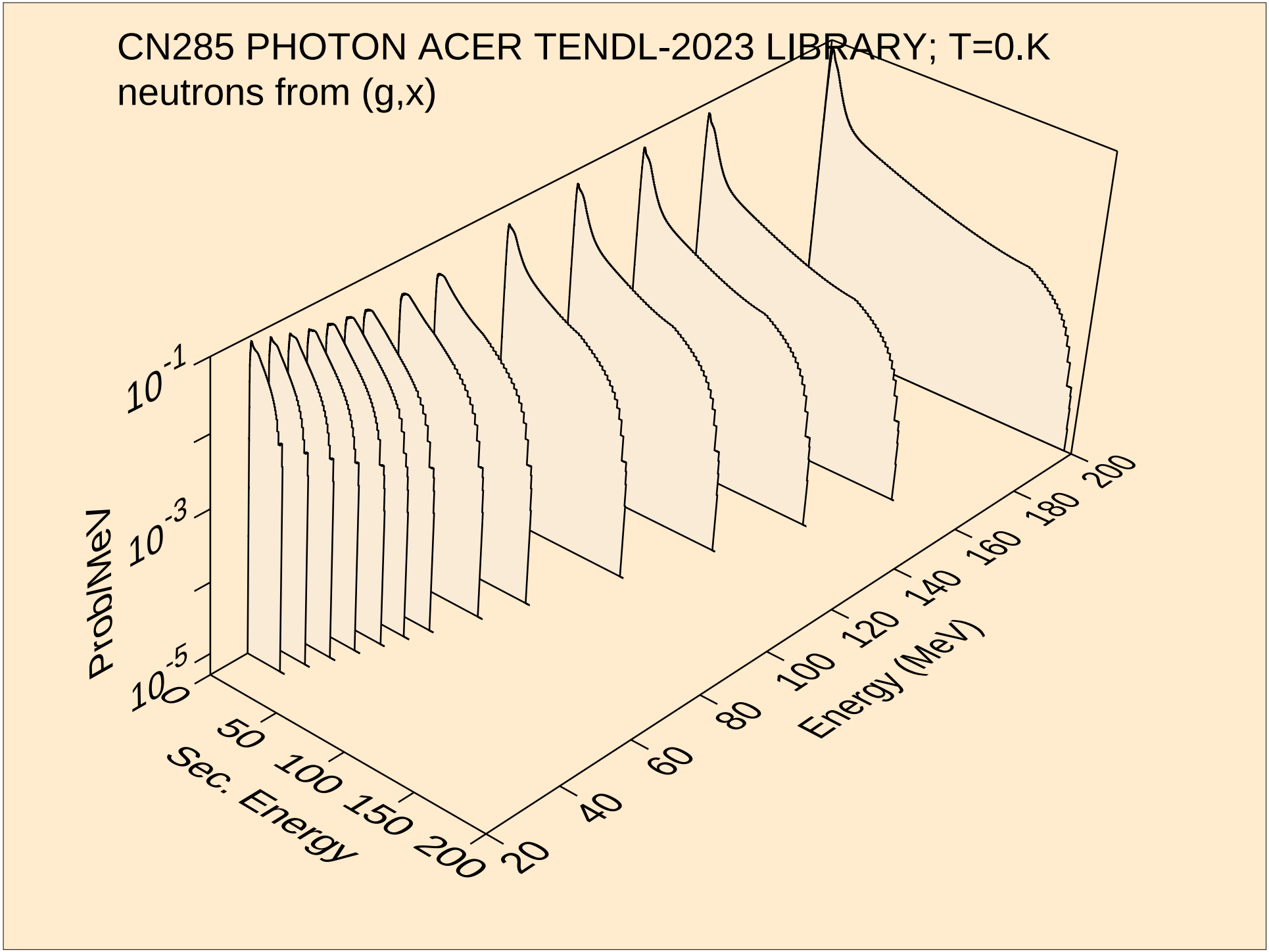

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections
60
*10-3
50
40
30
20
10
0
Cross section (barns)
total
0
50
100
150
200
Energy (MeV)

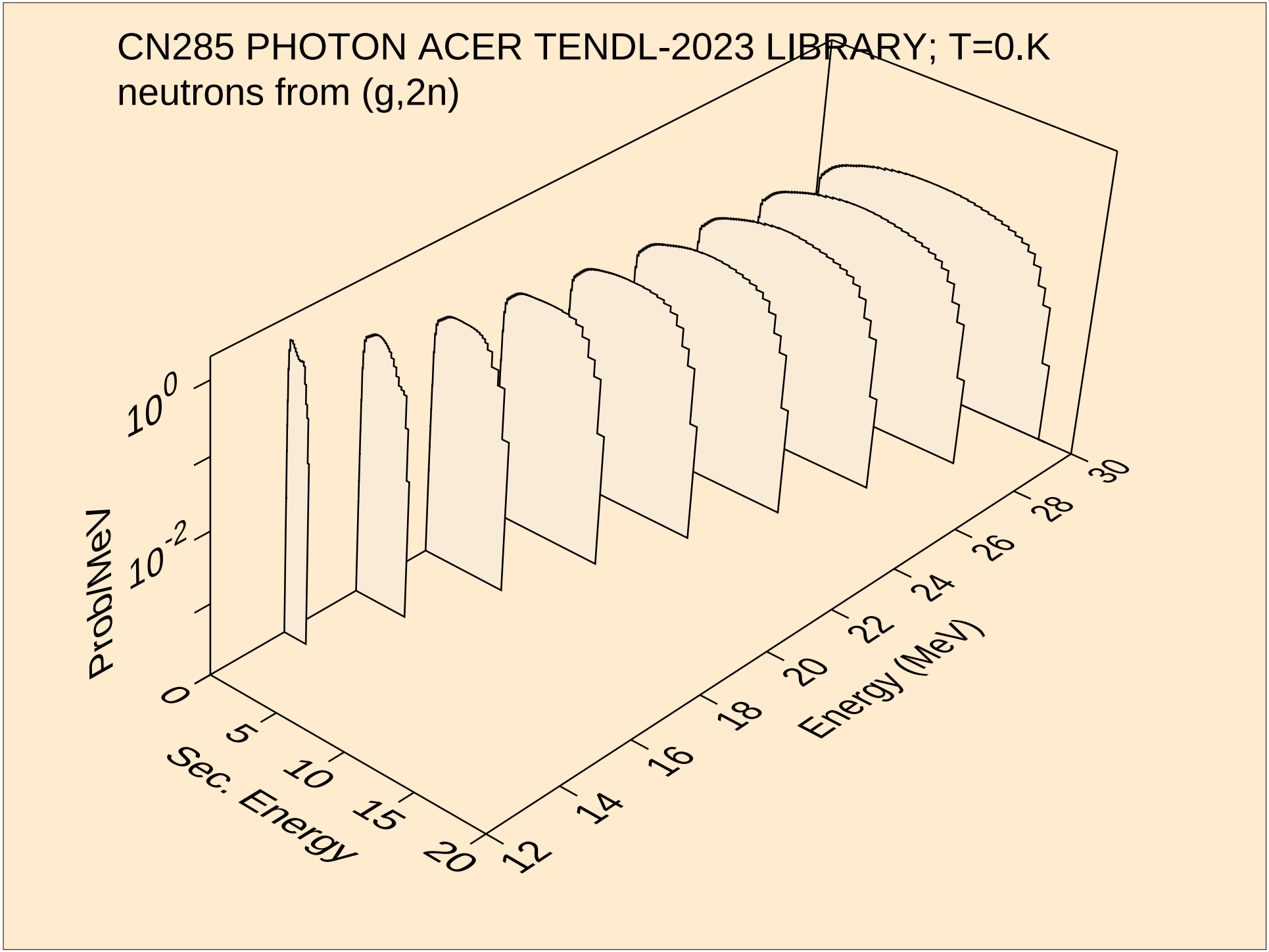

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Partial cross sections
Cross section (barns)
*10-3
60
50
40
30
20
10
0
0
50
100
150
200
Energy (MeV)
(g,x)
(g,2n)
(g,3n)
(g,n*0)
(g,n*1)
(g,n*c)
(g,gma)

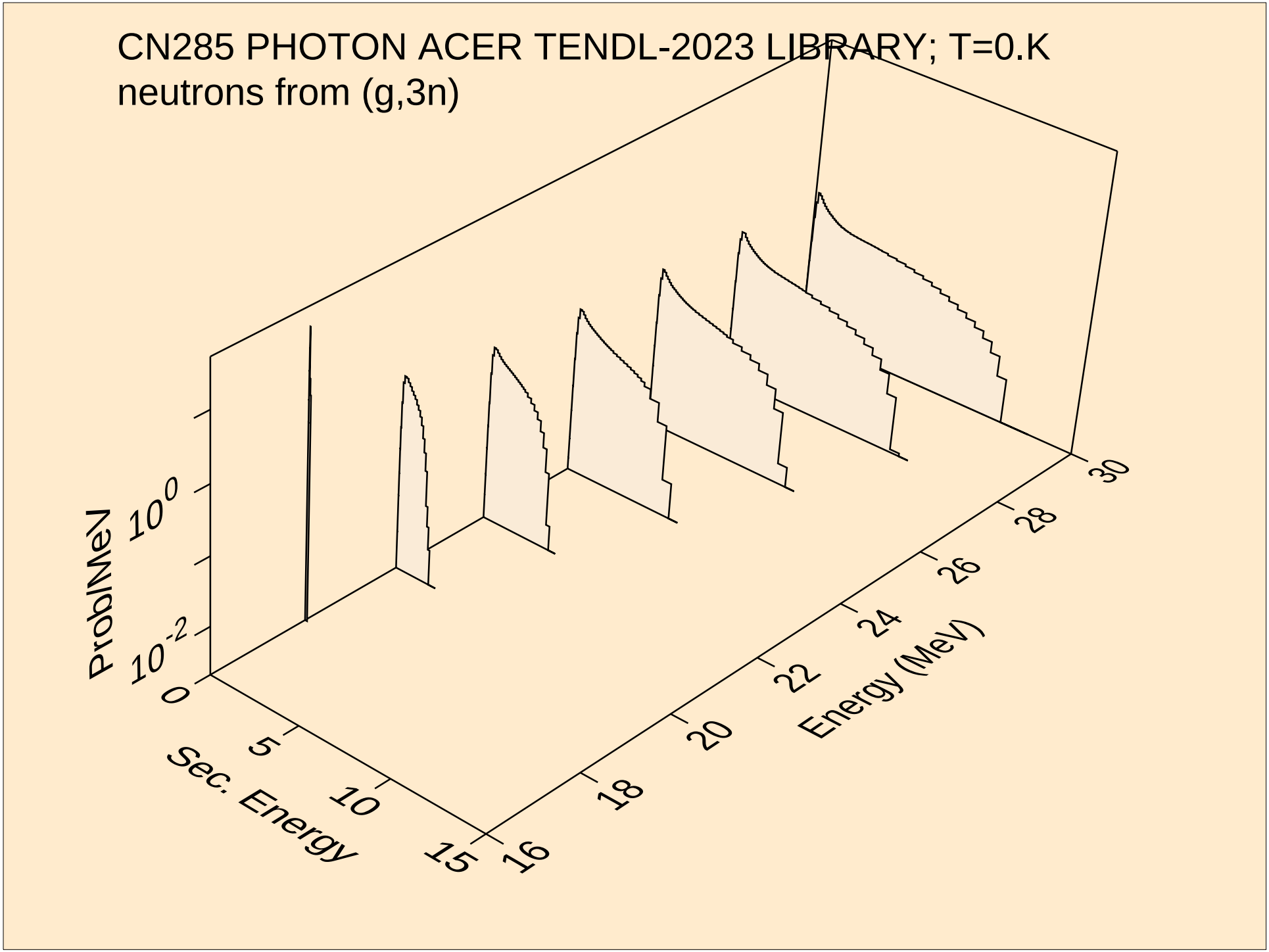

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
5
10
15
20
25
30
35
0
50
100
150
200

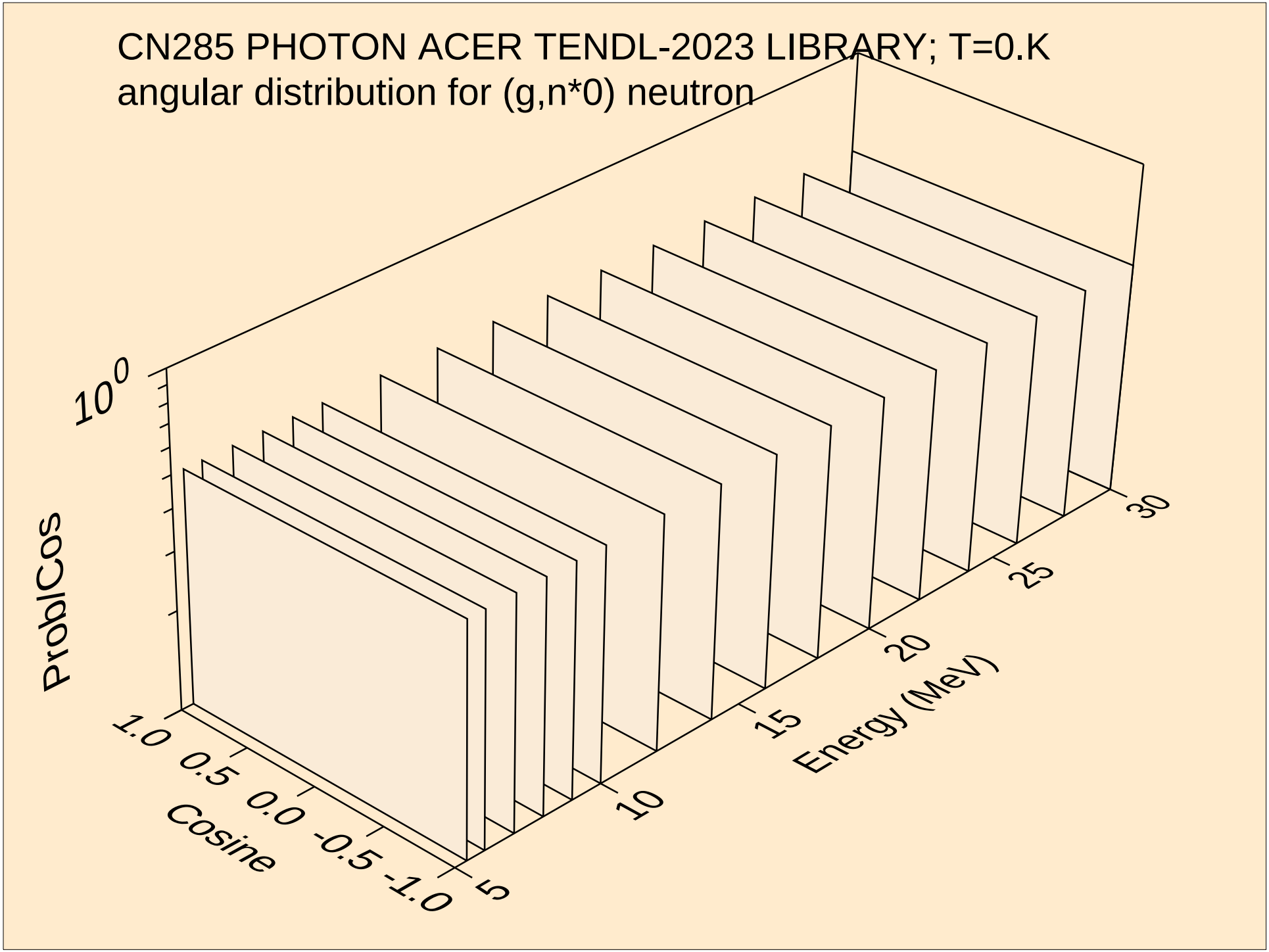

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions
neutrons
photons
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
20
40
60
80
100
0
50
100
150
200

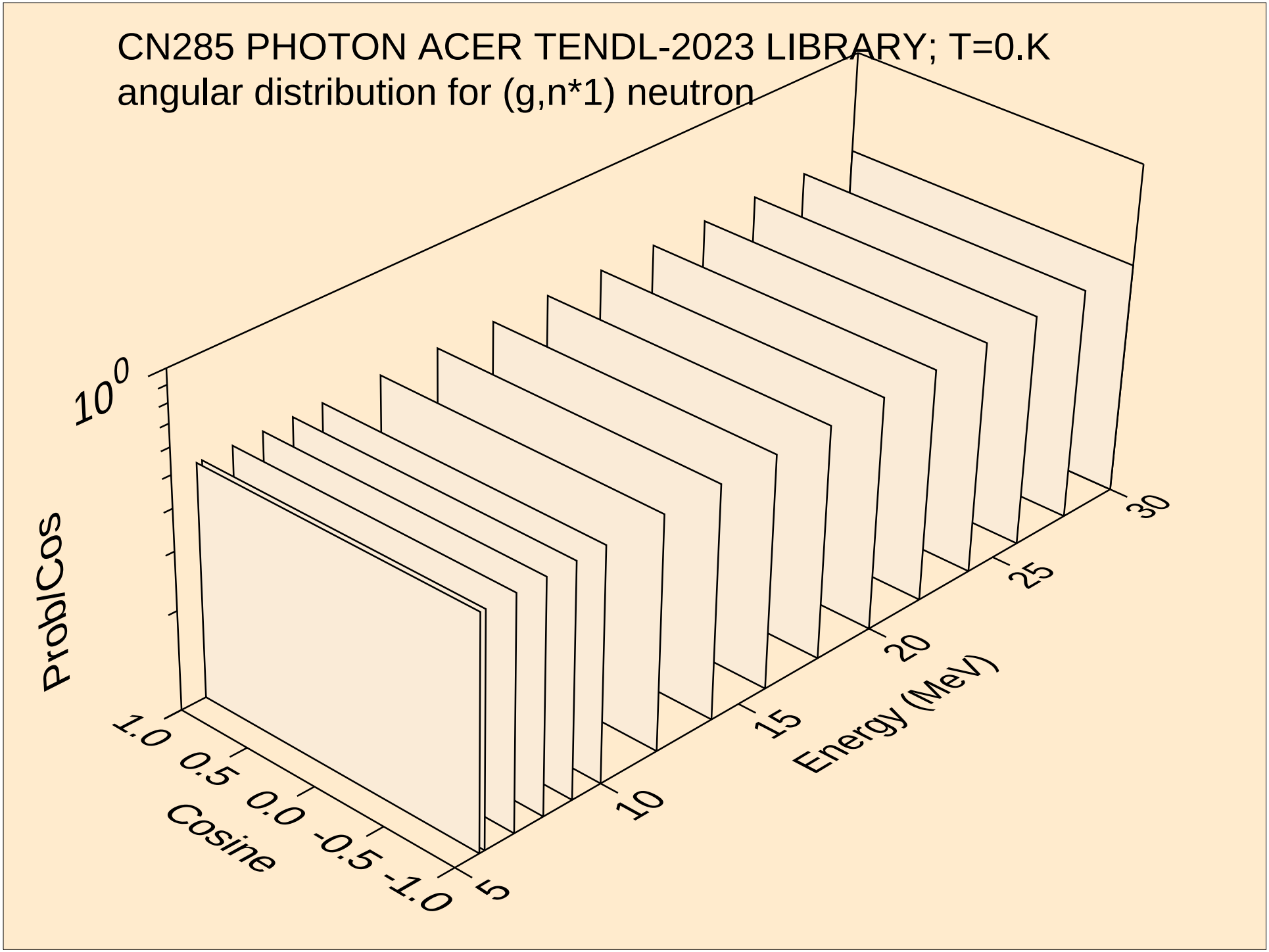

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections
Cross section (barns)
*10-3
30
25
20
15
10
5
0
0
50
100
150
200
Energy (MeV)
neutrons
photons/5
protons
deuterons
tritons
he-3
alphas

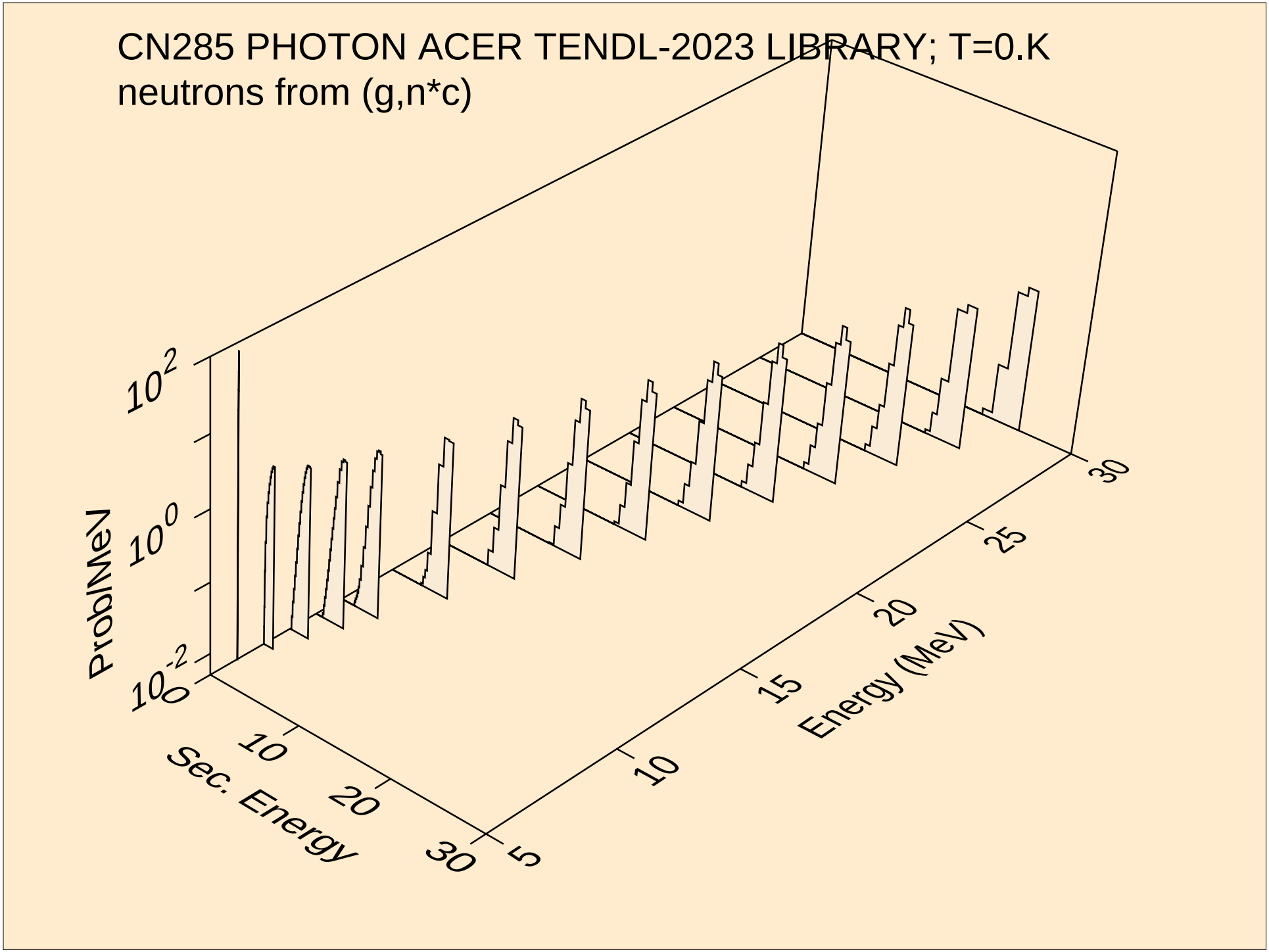

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,x)
Prob/MeV
10-1
10-3
10-5
0
50
100
150
200
Sec. Energy
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

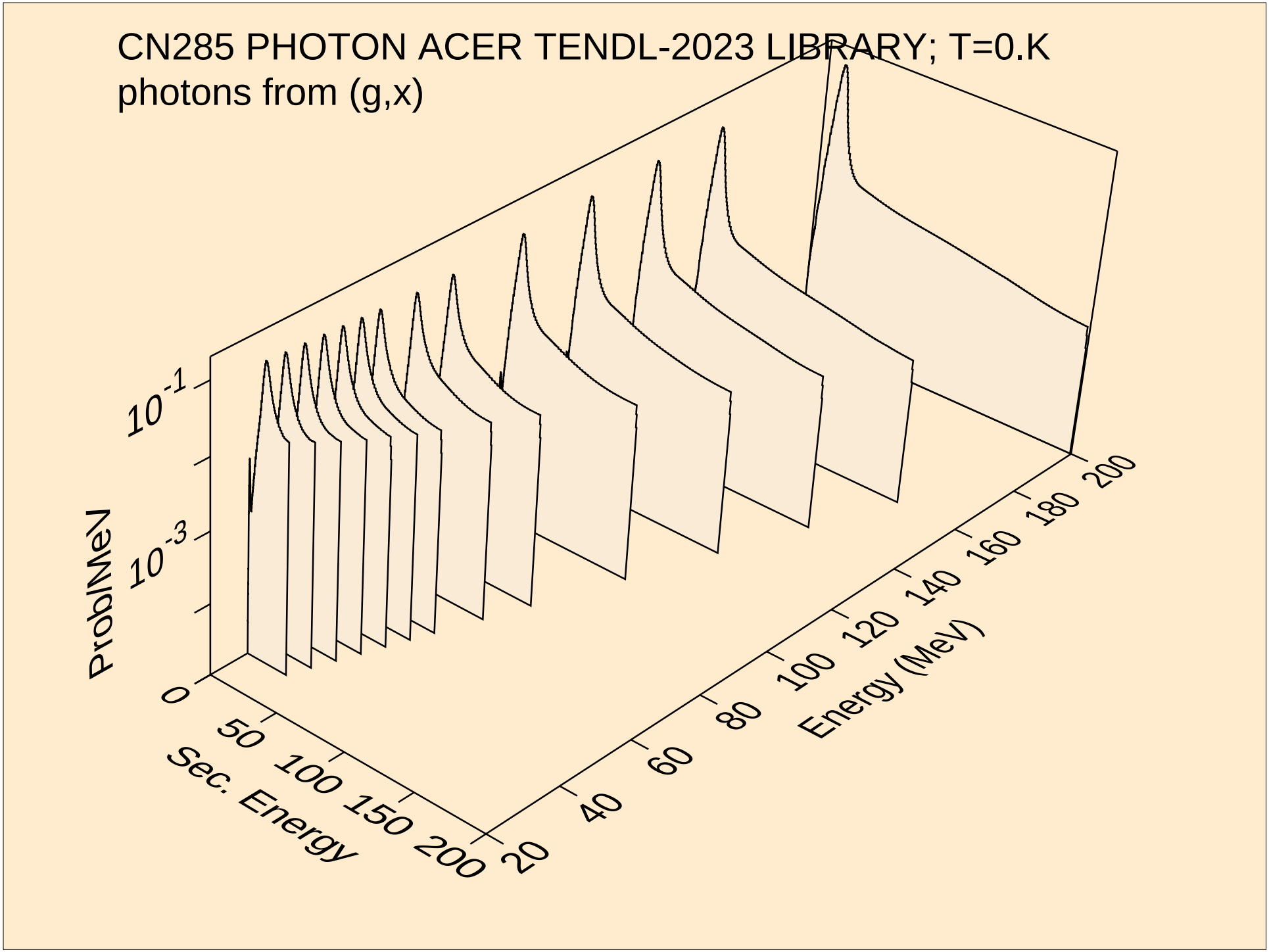

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2n)
Prob/MeV
10^{0}
10^{-2}
0
5
10
15
20
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

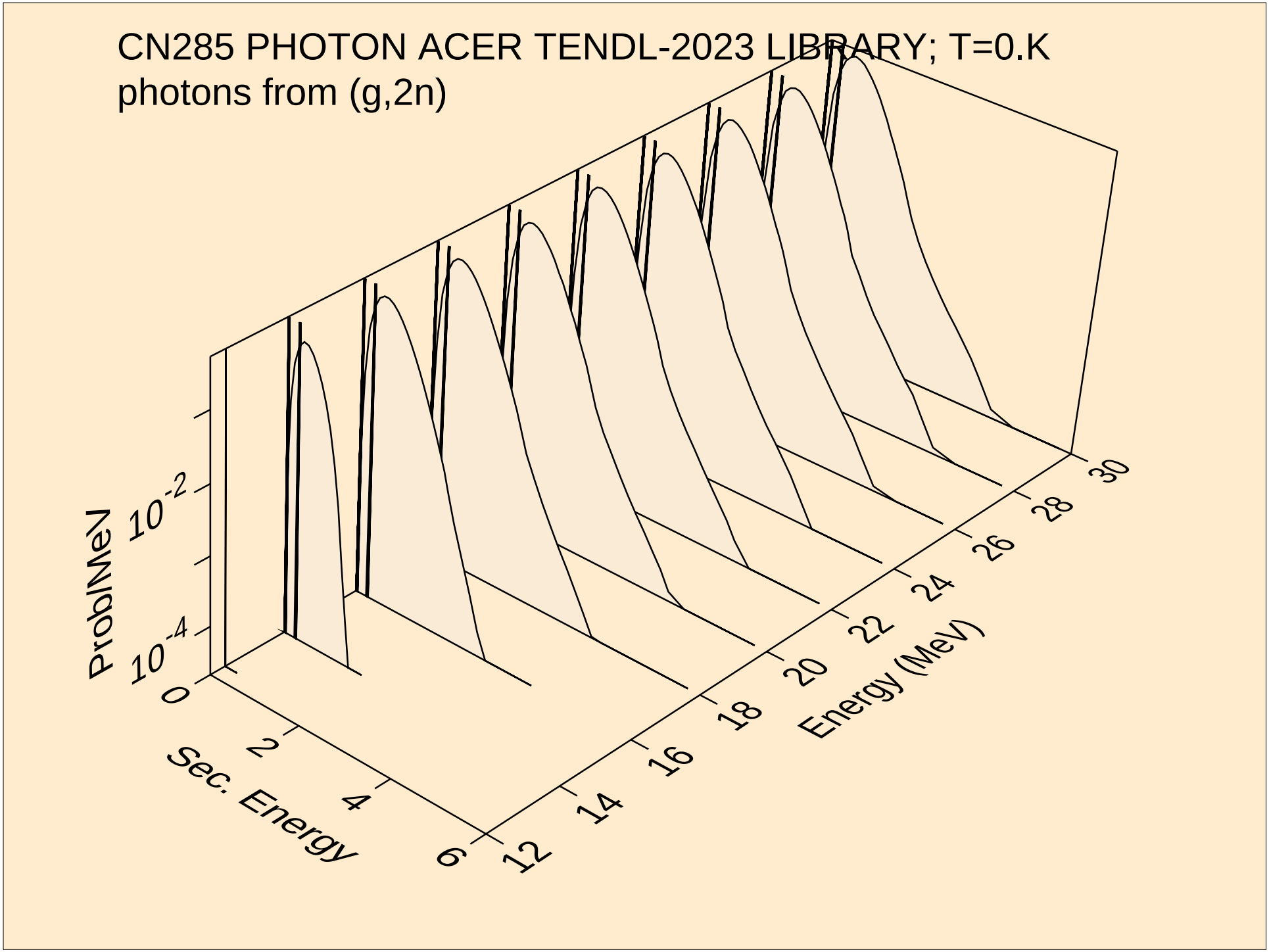

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,3n)
Prob/MeV
10^{0}
10^{-2}
0
5
10
15
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

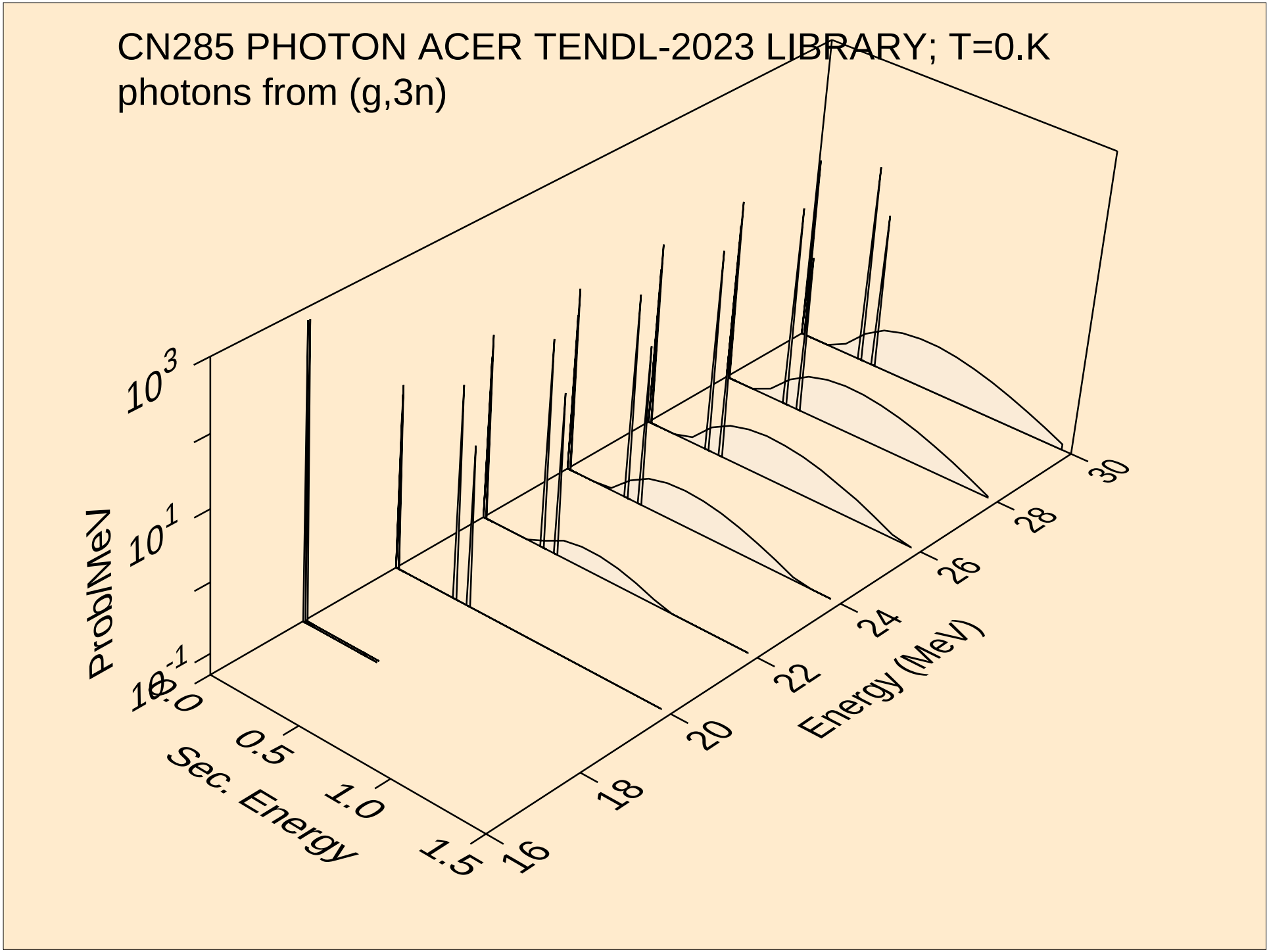

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (g,n*0) neutron
10^0
ProblCos
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
10
15
20
25
30
Energy (MeV)

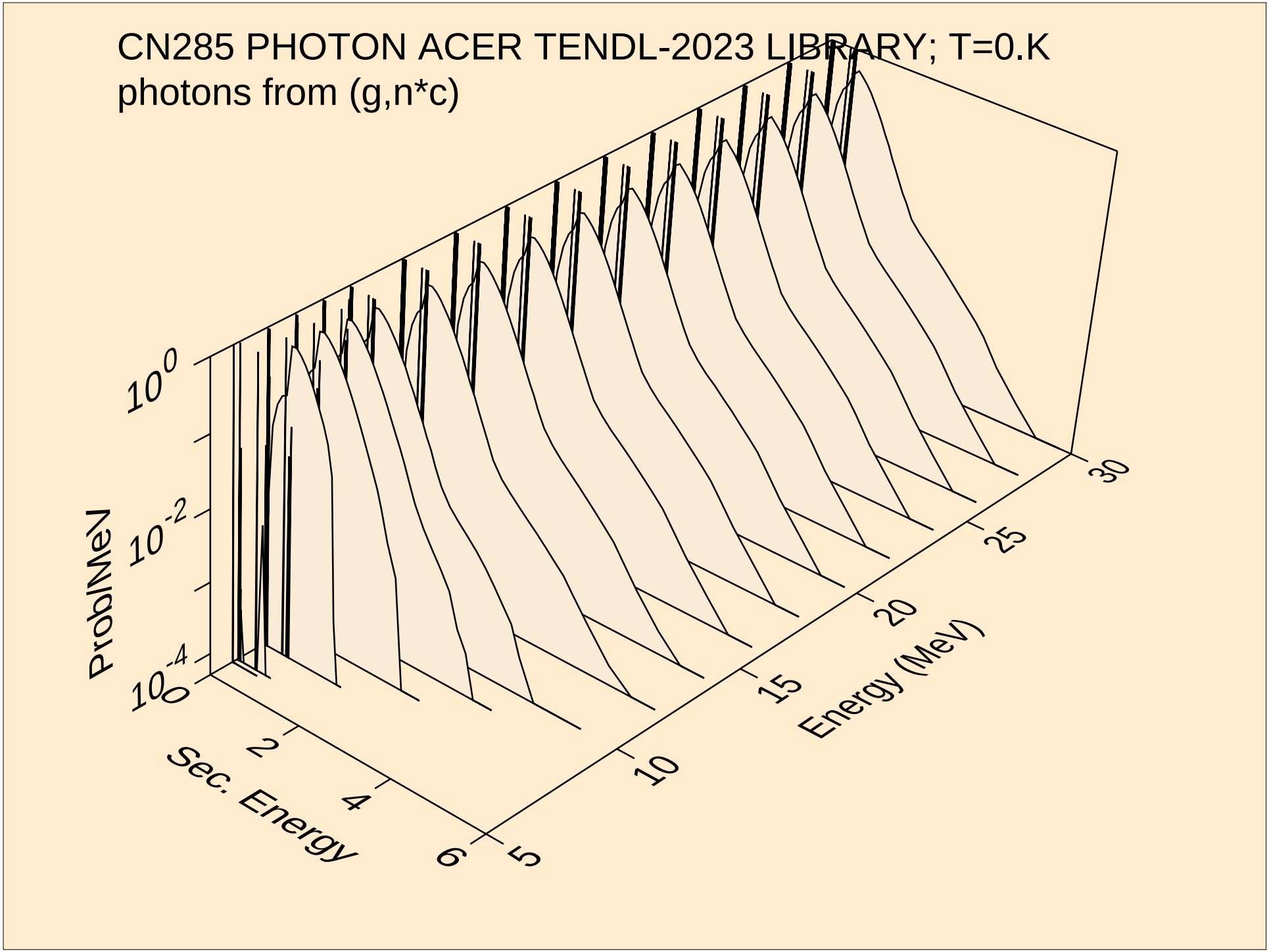

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (g,n*1) neutron
10^0
ProblCos
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
10
15
20
25
30
Energy (MeV)

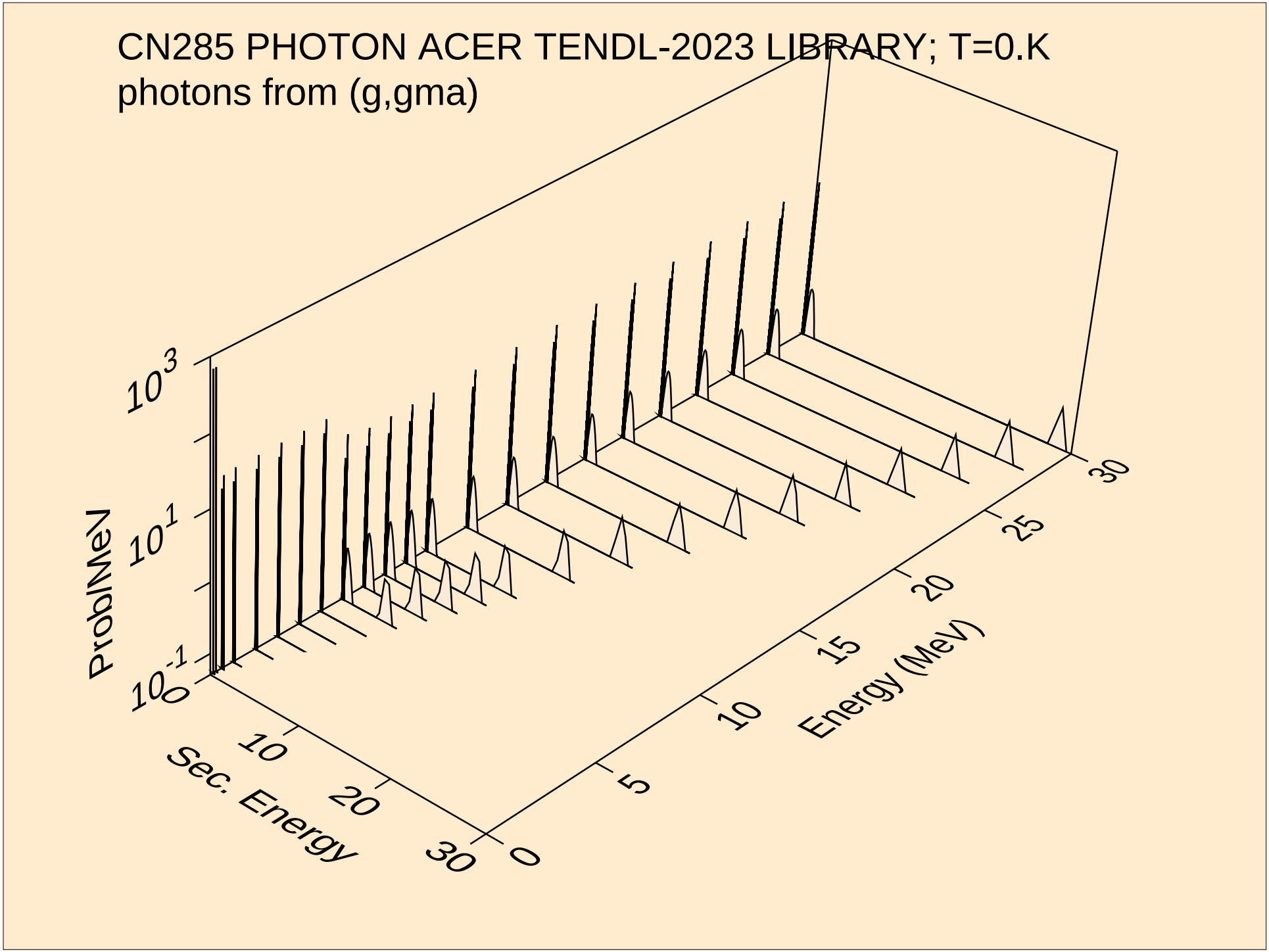

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*c)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
Sec. Energy
10
20
30
5
10
15
20
25
30
Energy (MeV)

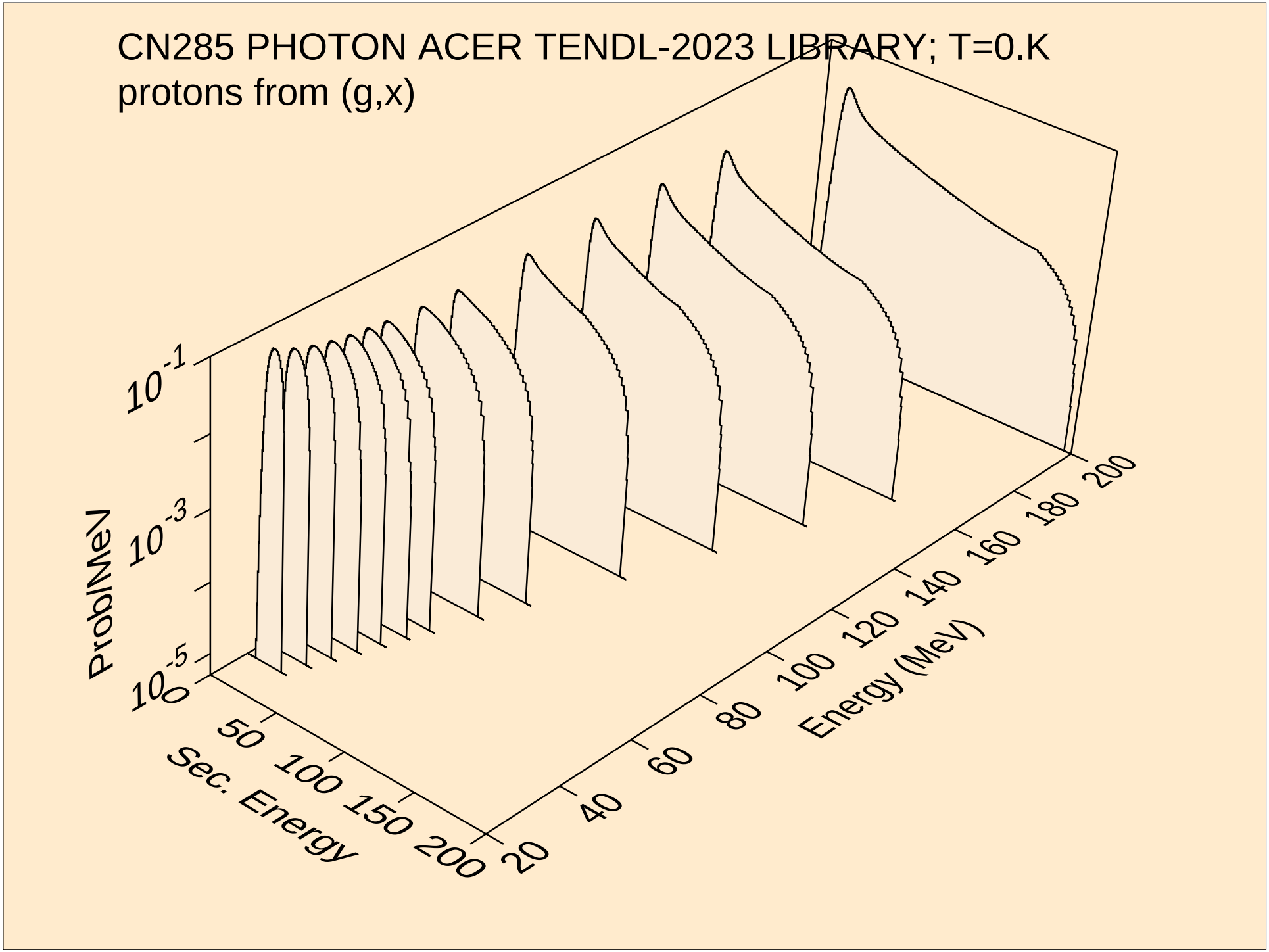

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,x)
Prob/MeV
10-1
10-3
0
50
100
150
200
Sec. Energy
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

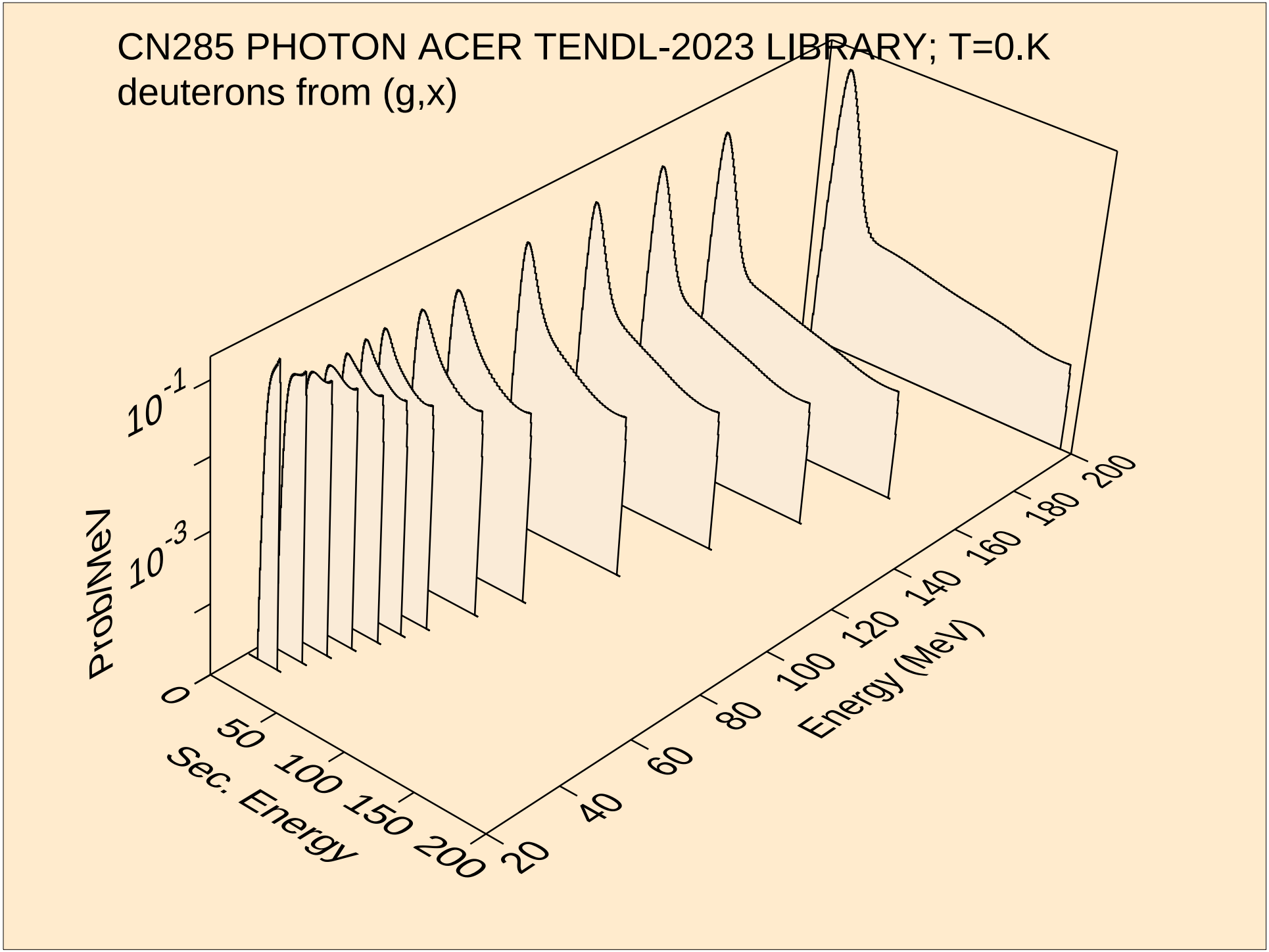

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2n)
Prob/MeV
10-2
10-4
0
2
4
6
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

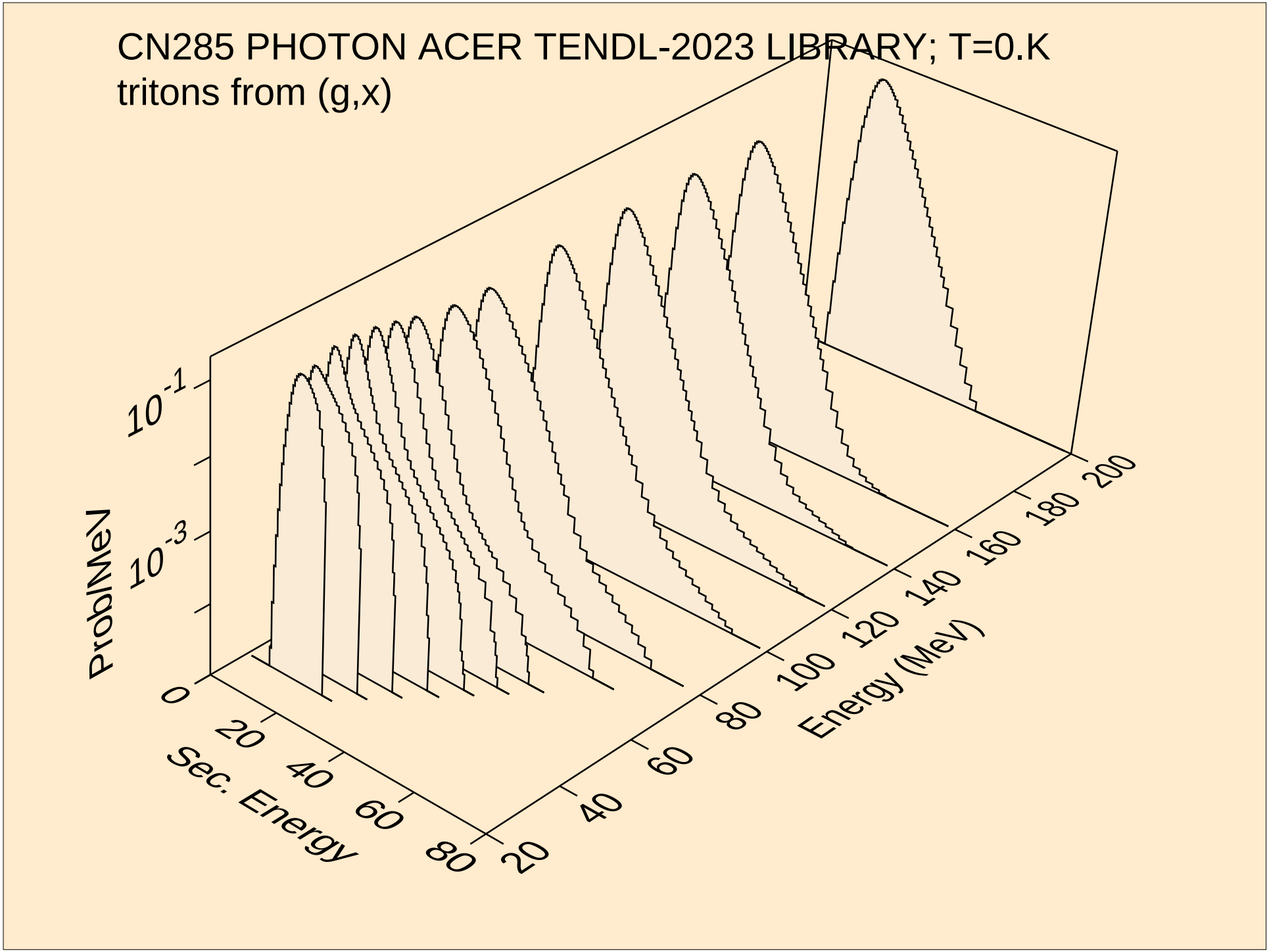

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,3n)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0.0
0.5
1.0
1.5
Sec. Energy
16
18
20
22
24
26
28
30
Energy (MeV)

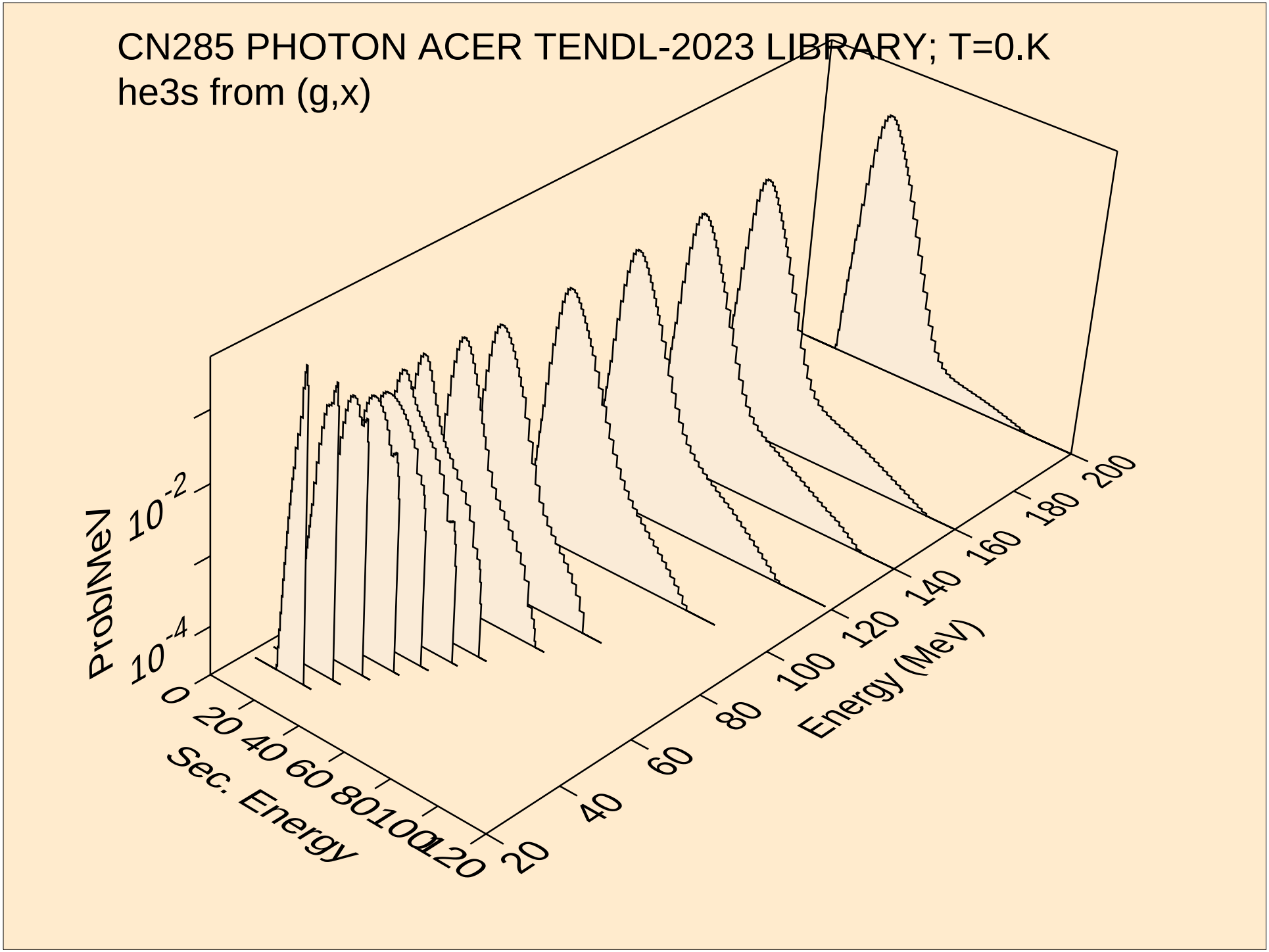

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*c)
Prob/MeV
10^0
10^-2
10^-4
0
2
4
6
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

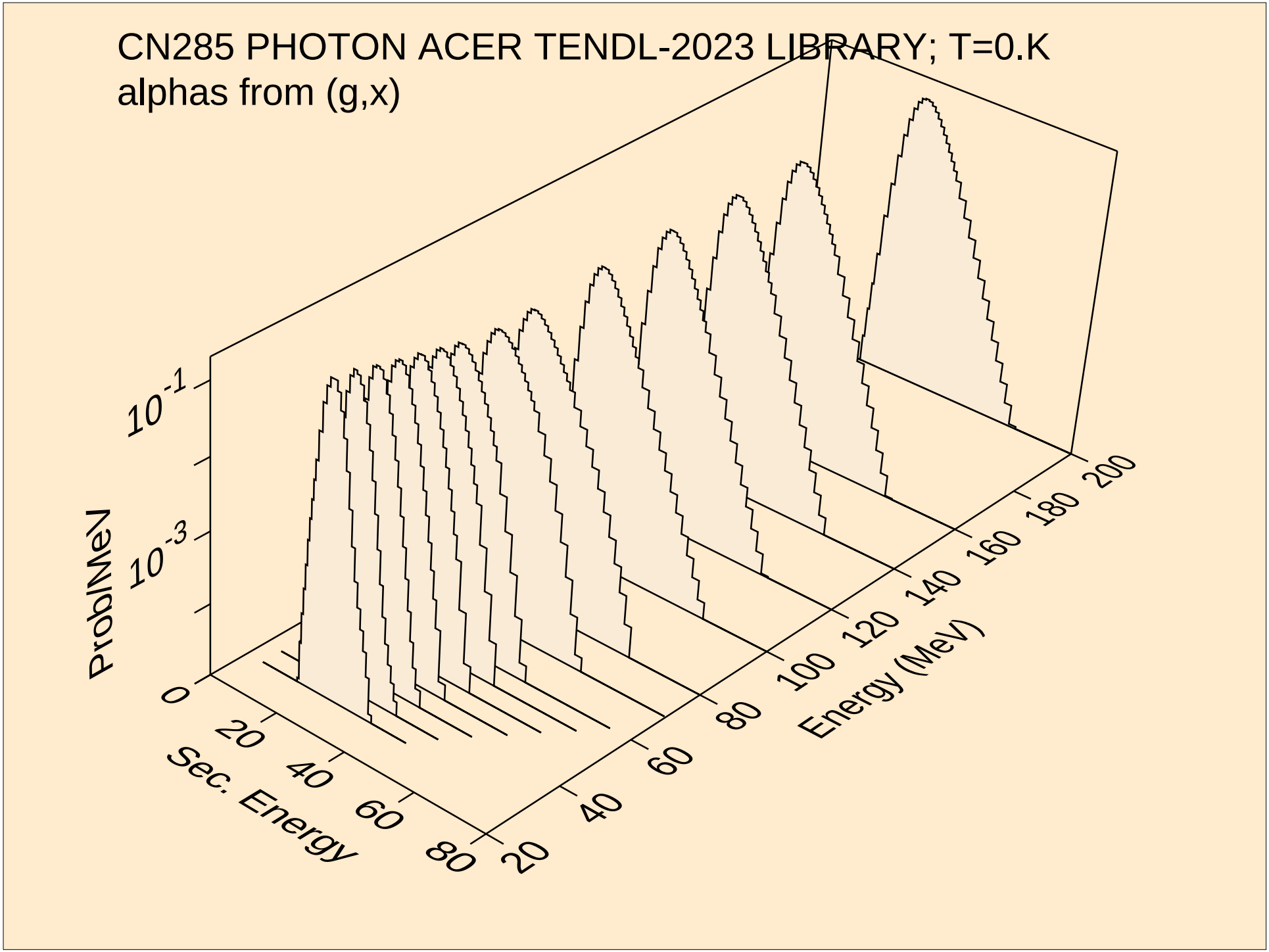

CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,gma)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)


CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,x)
Prob/MeV
10-1
10-3
10-5
0
50
100
150
200
Sec. Energy
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
50
100
150
200
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (g,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
60
80
Energy (MeV)
20
40
60
80
100
120
140
160
180
200


CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (g,x)
Prob/MeV
10-2
10-4
0 20 40 60 80 100 120
Sec. Energy
20 40 60 80 100 120 140 160 180 200
Energy (MeV)


CN285 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
60
80
Energy (MeV)
20
40
60
80
100
120
140
160
180
200