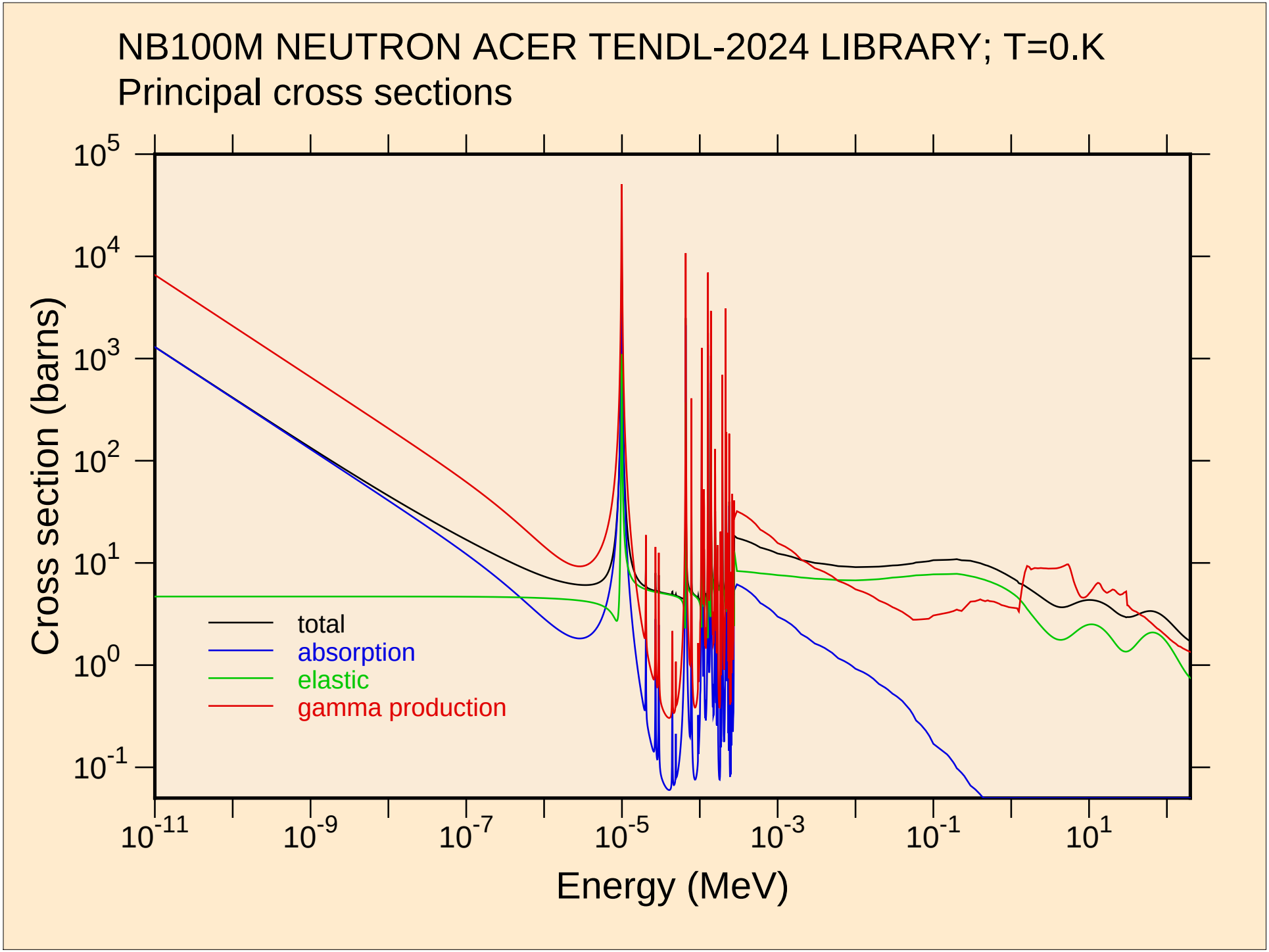
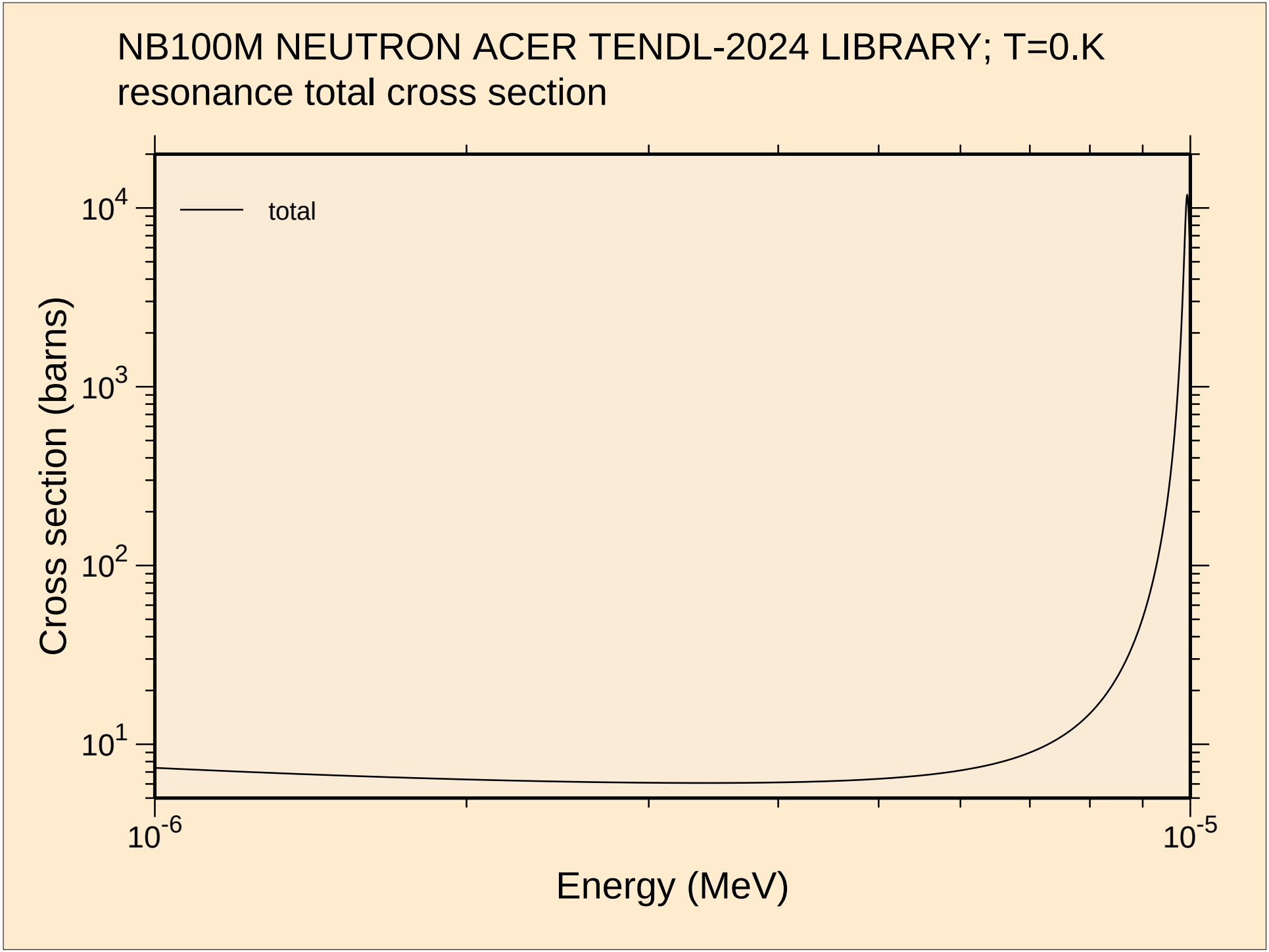
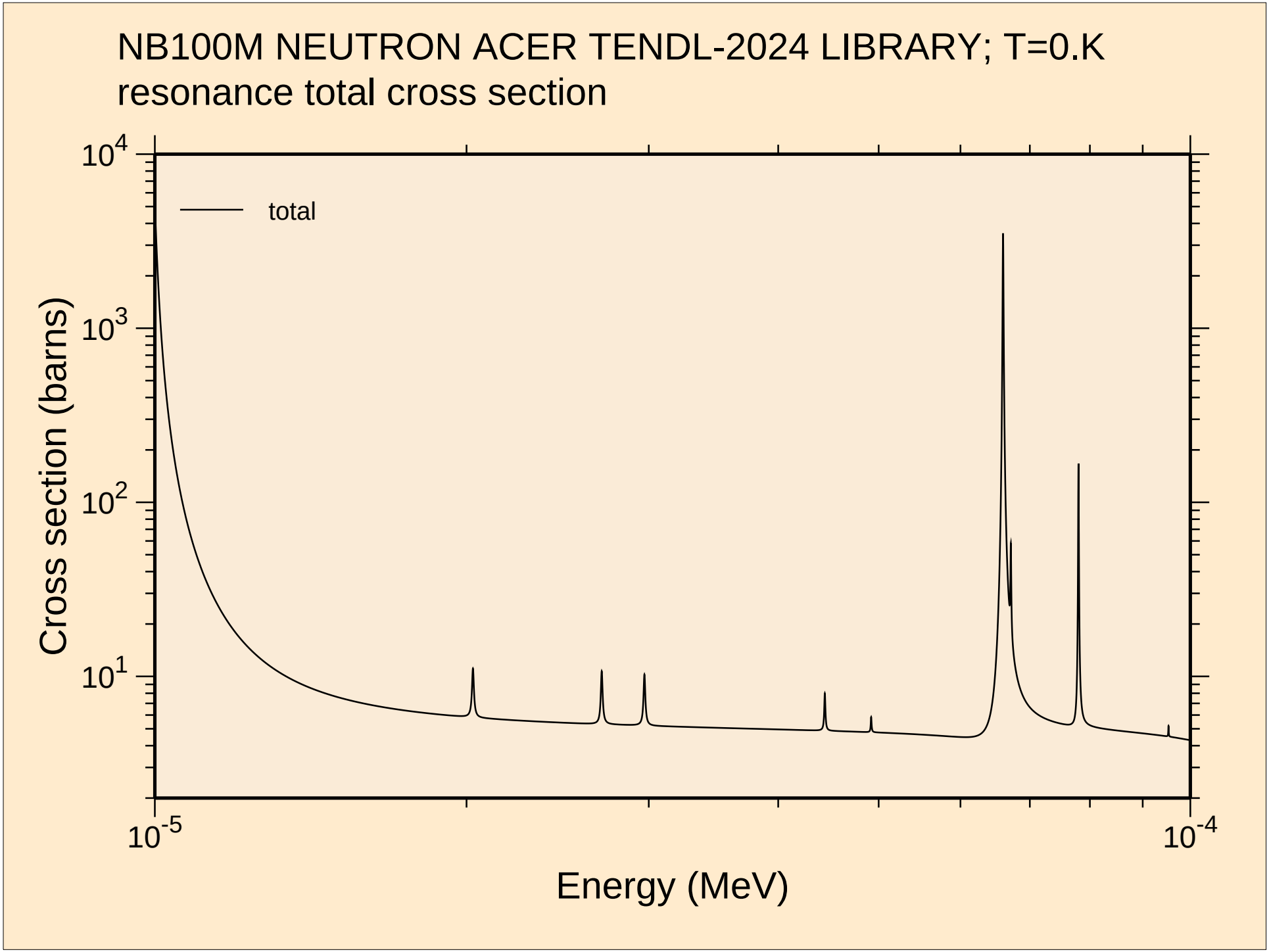
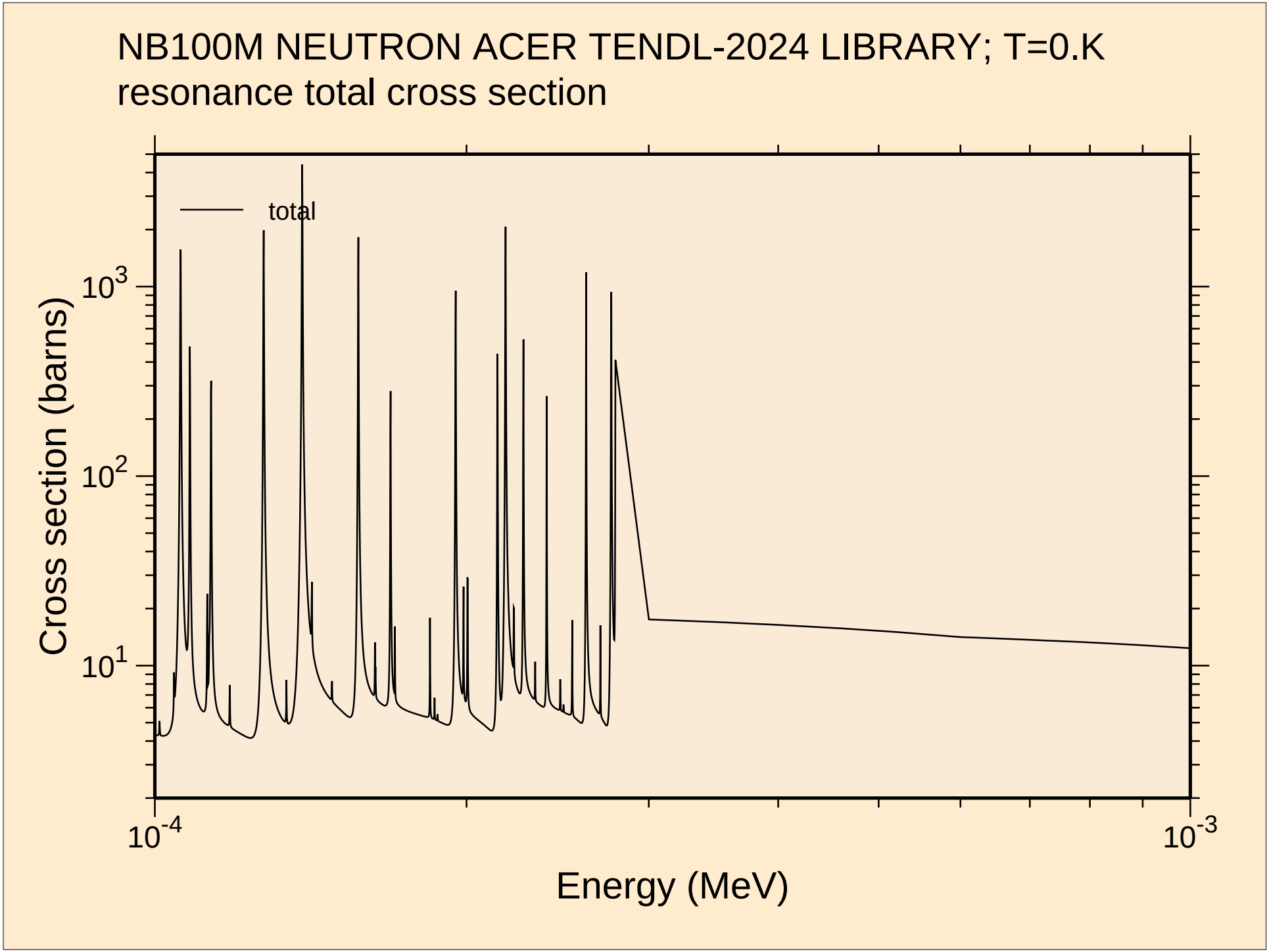
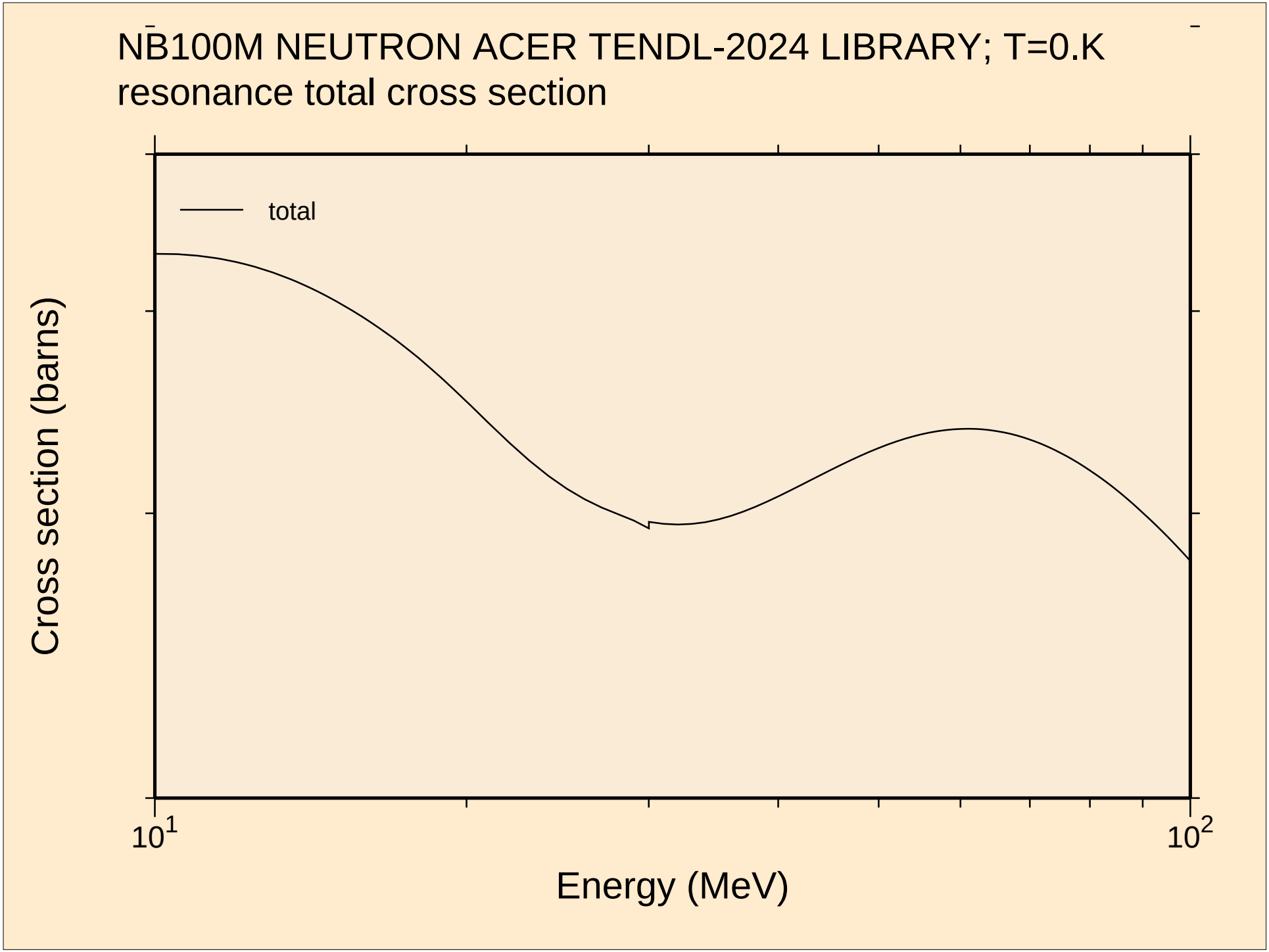
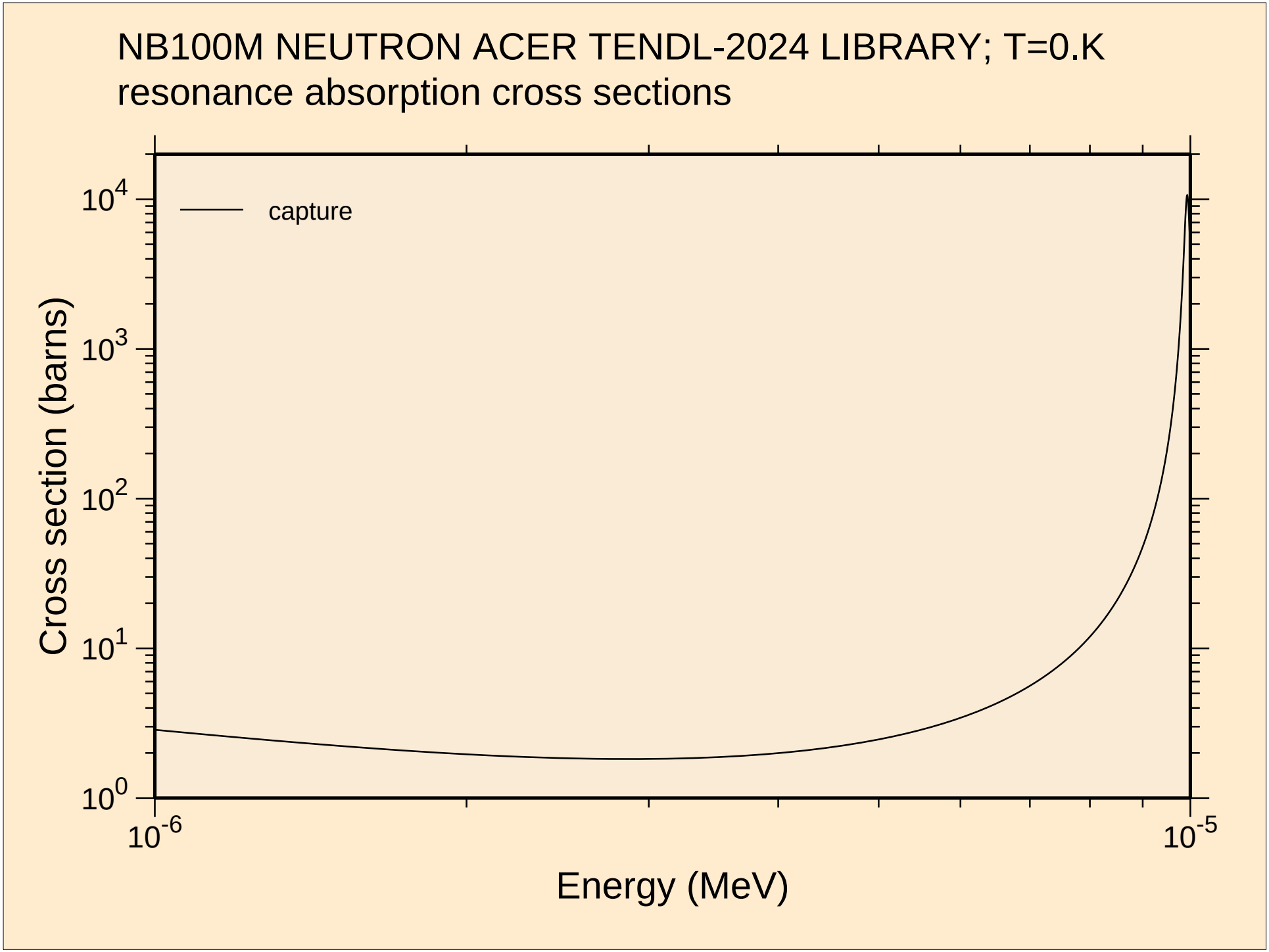

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production

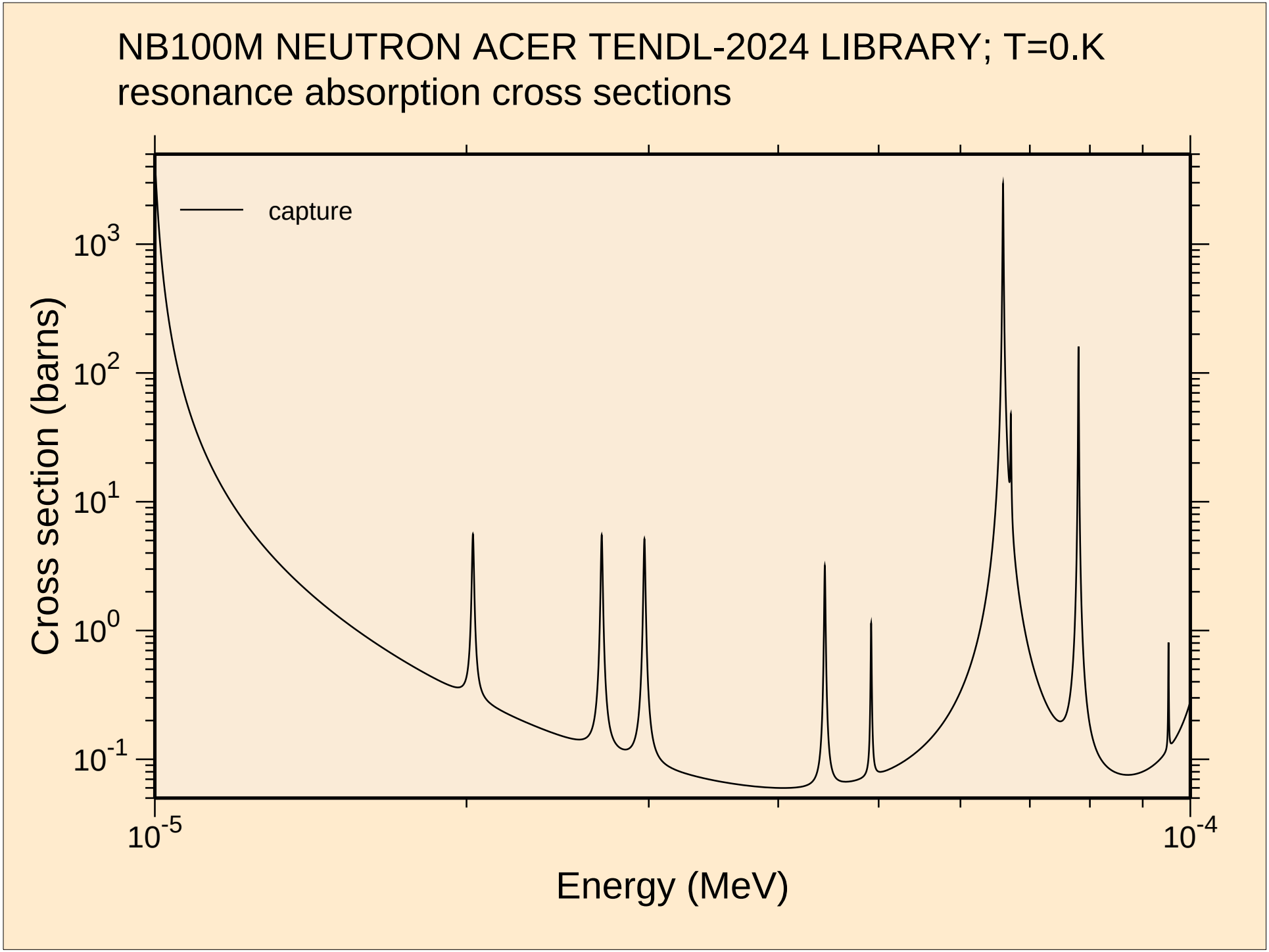

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section
total
Cross section (barns)
10^4
10^3
10^2
10^1
10^-6
10^-5
Energy (MeV)


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section
total
Cross section (barns)
10^4
10^3
10^2
10^1
10^{-5}
10^{-4}
Energy (MeV)

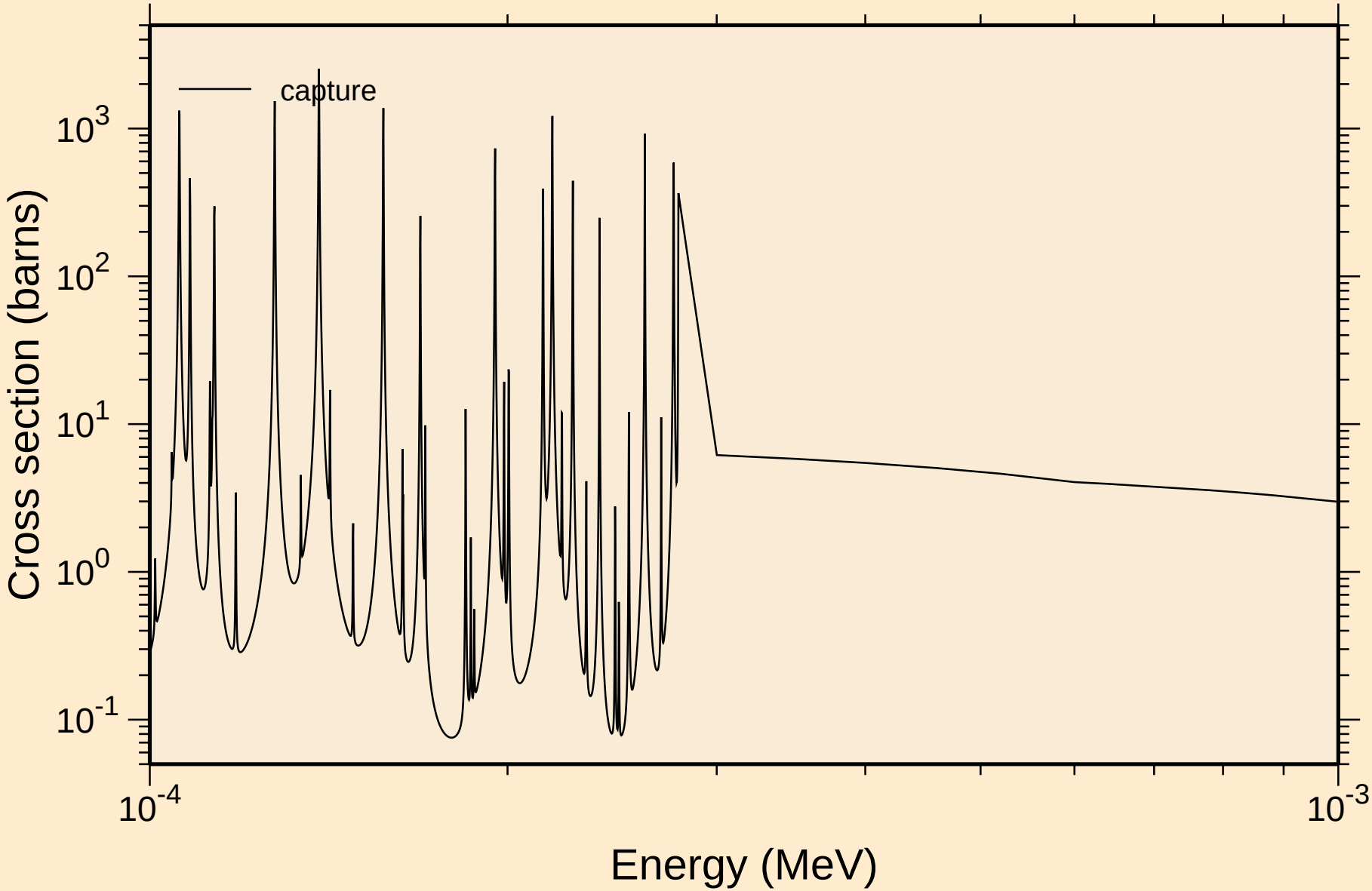

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^-4
10^-3
Energy (MeV)

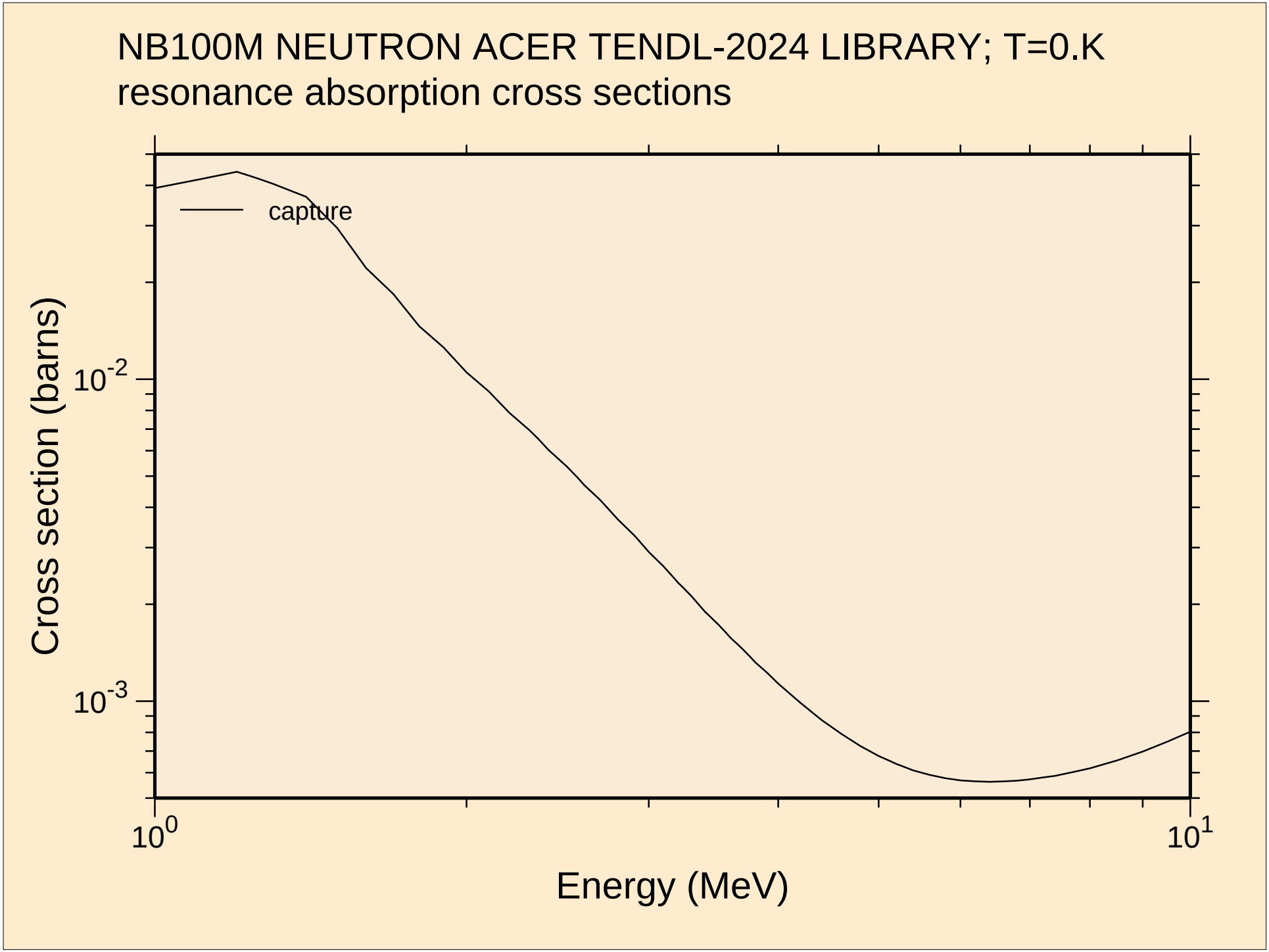

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section
total
Cross section (barns)
10^1
10^2
Energy (MeV)

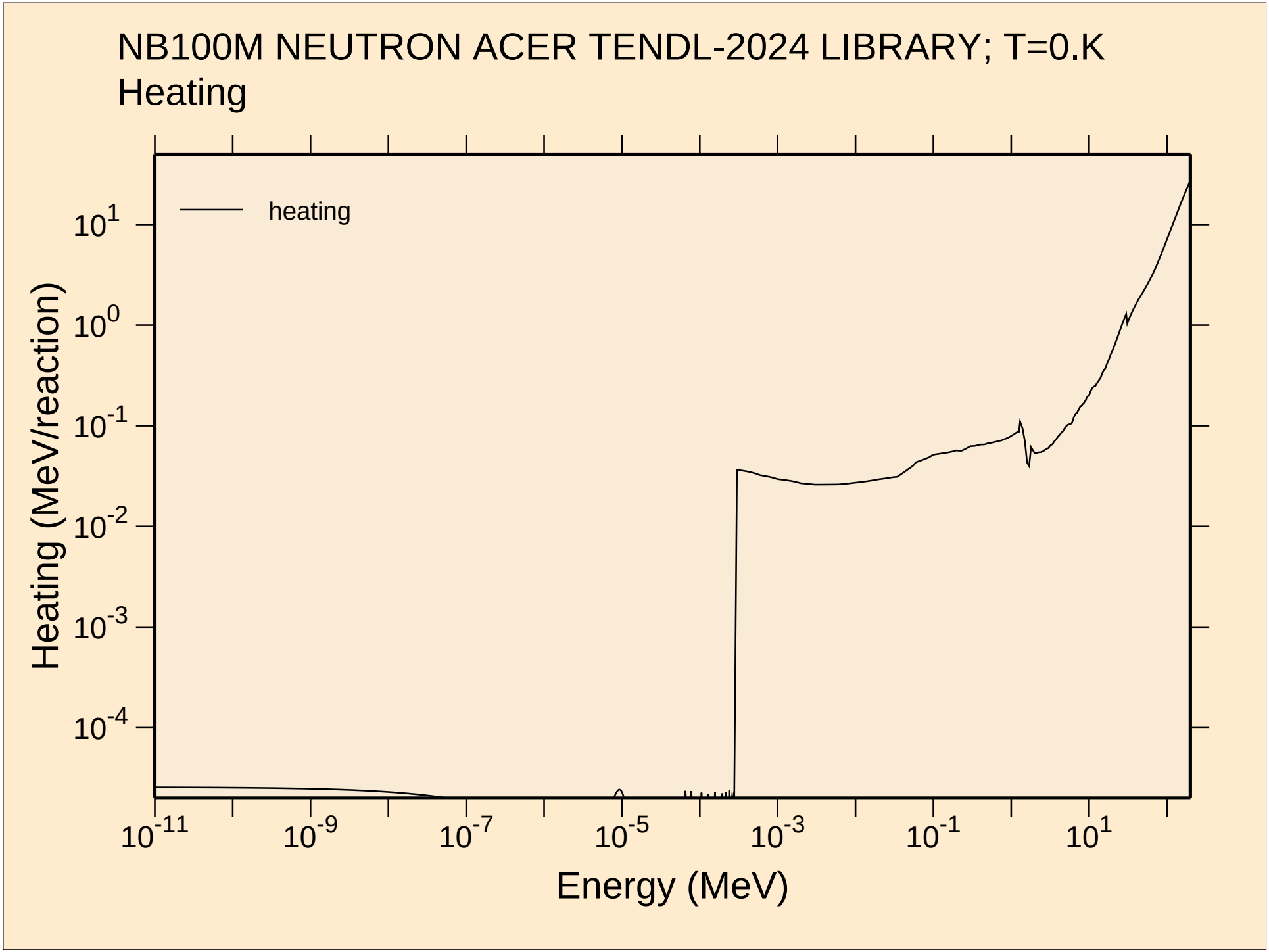

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections
capture
Cross section (barns)
10^4
10^3
10^2
10^1
10^0
10^-6
10^-5
Energy (MeV)

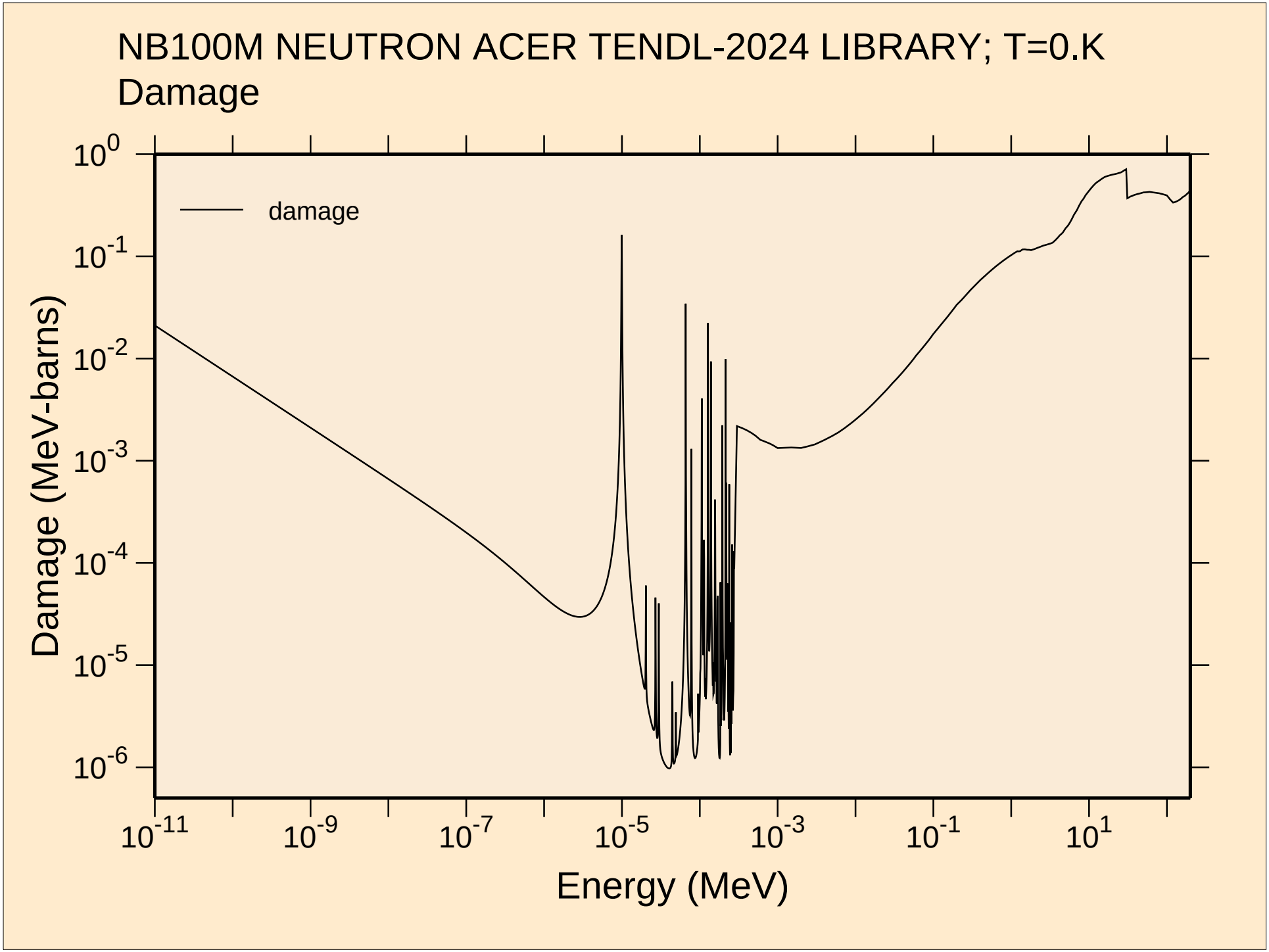

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections
capture
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-5
10^-4
Energy (MeV)

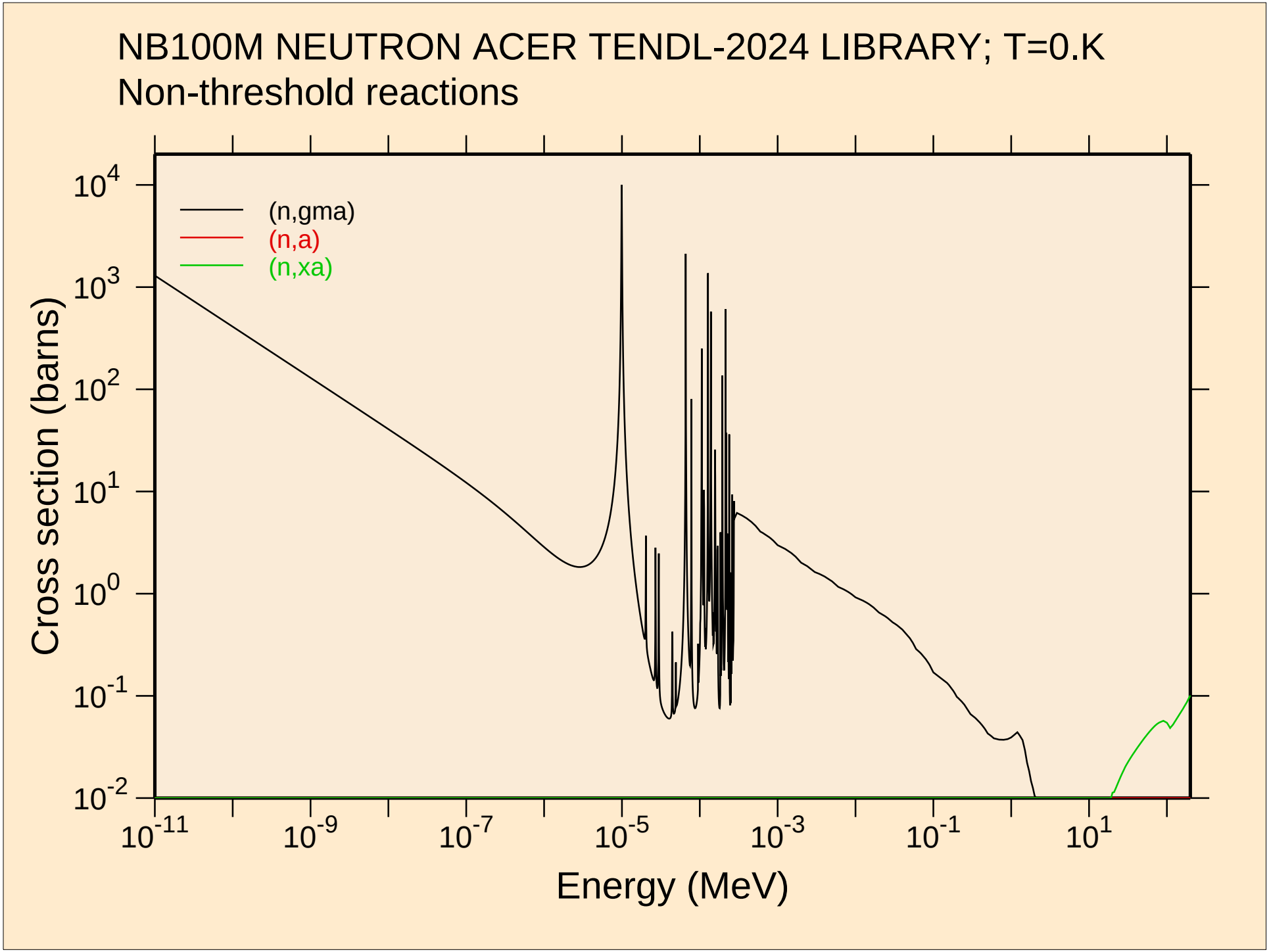
NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections

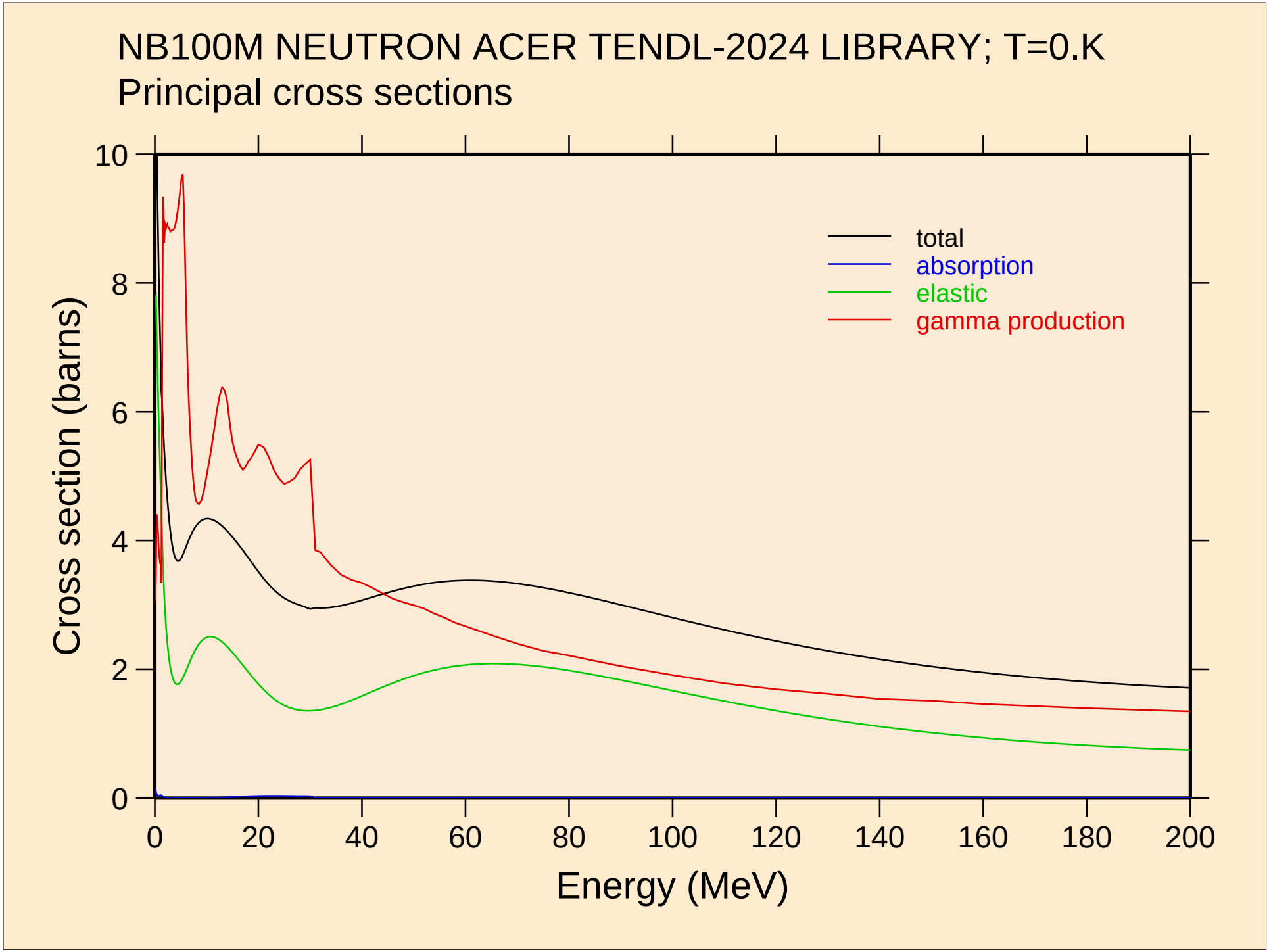


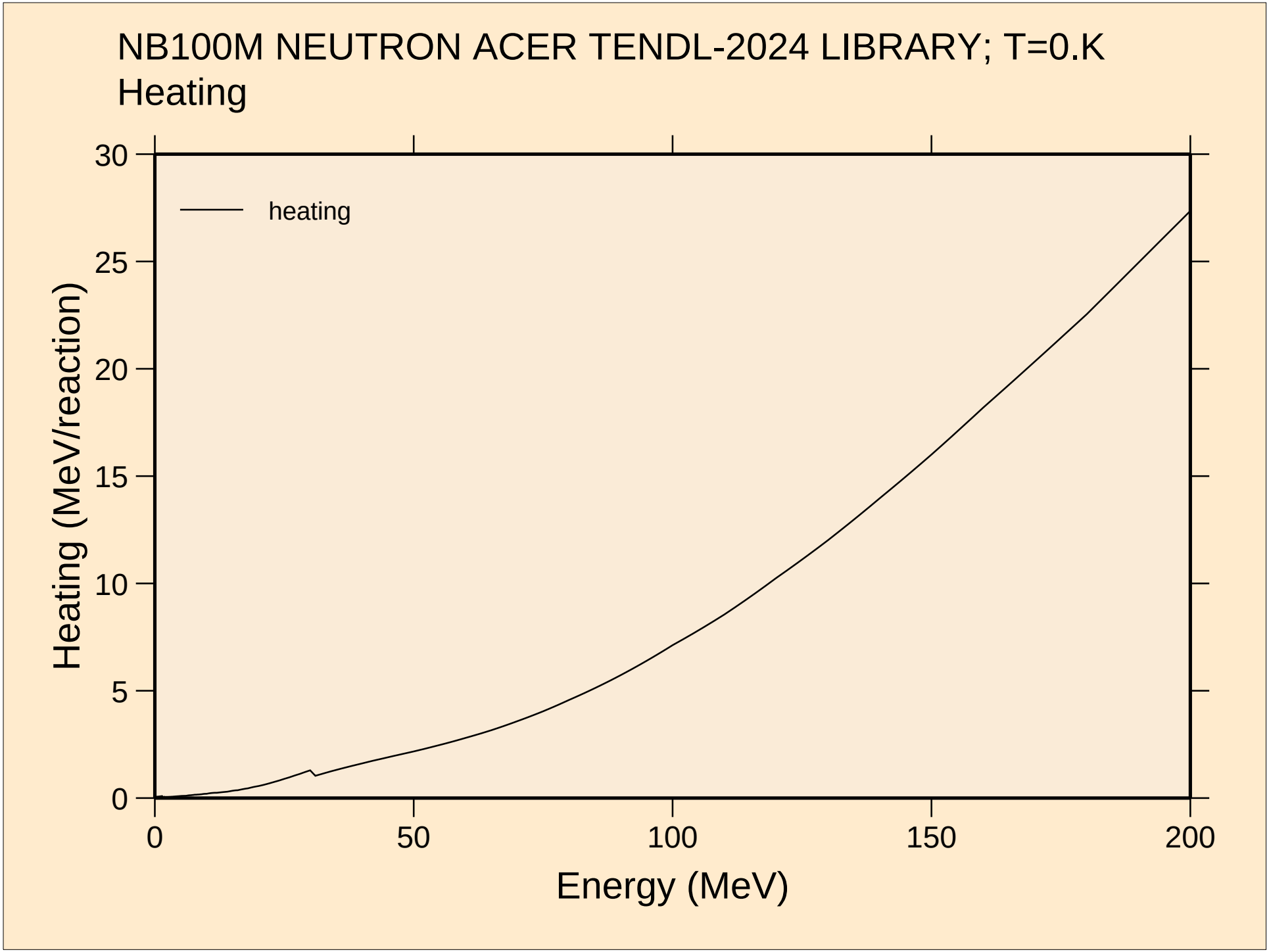

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections
capture
Cross section (barns)
10-2
10-3
100
101
Energy (MeV)

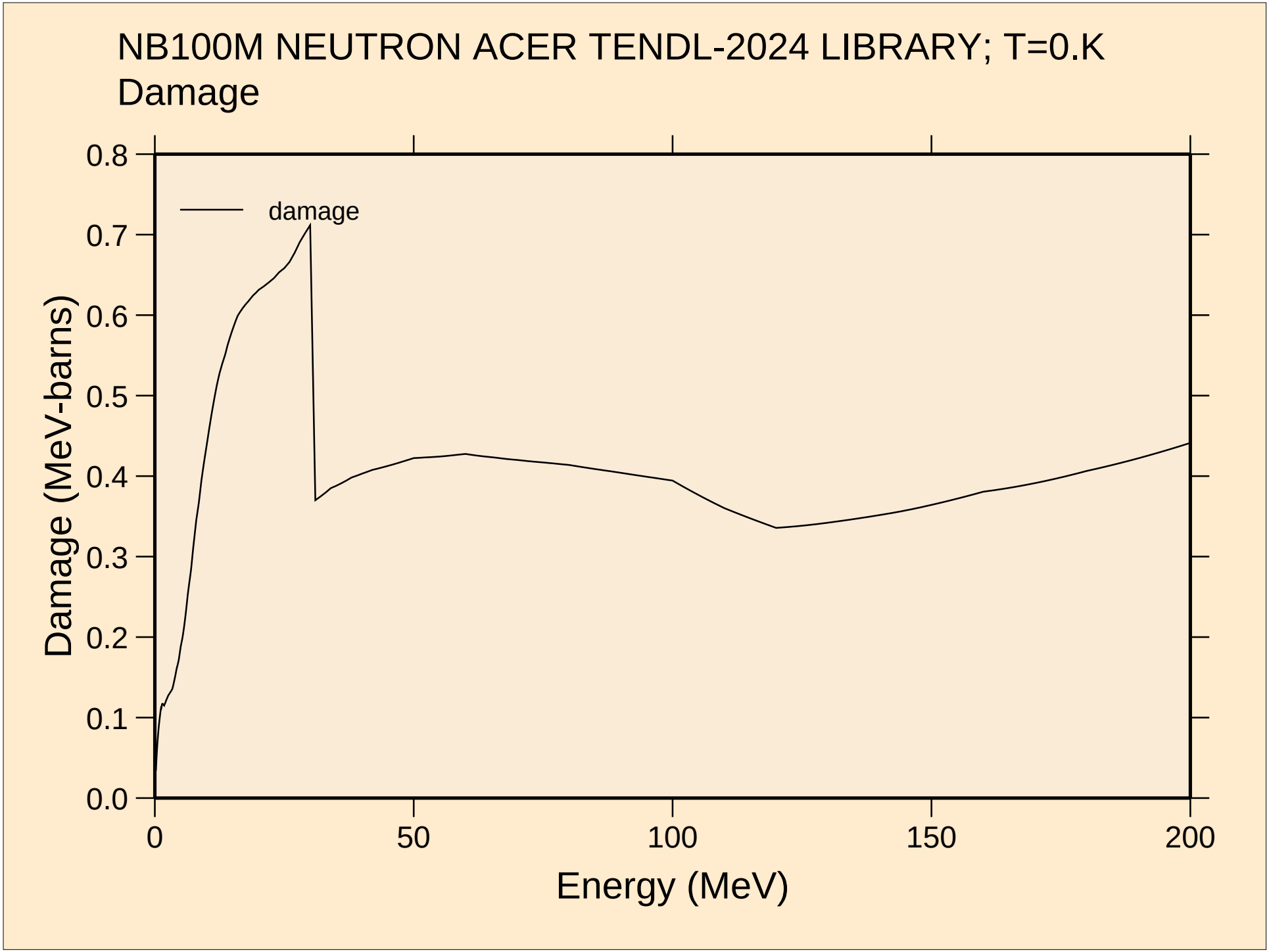

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^{1}
Energy (MeV)

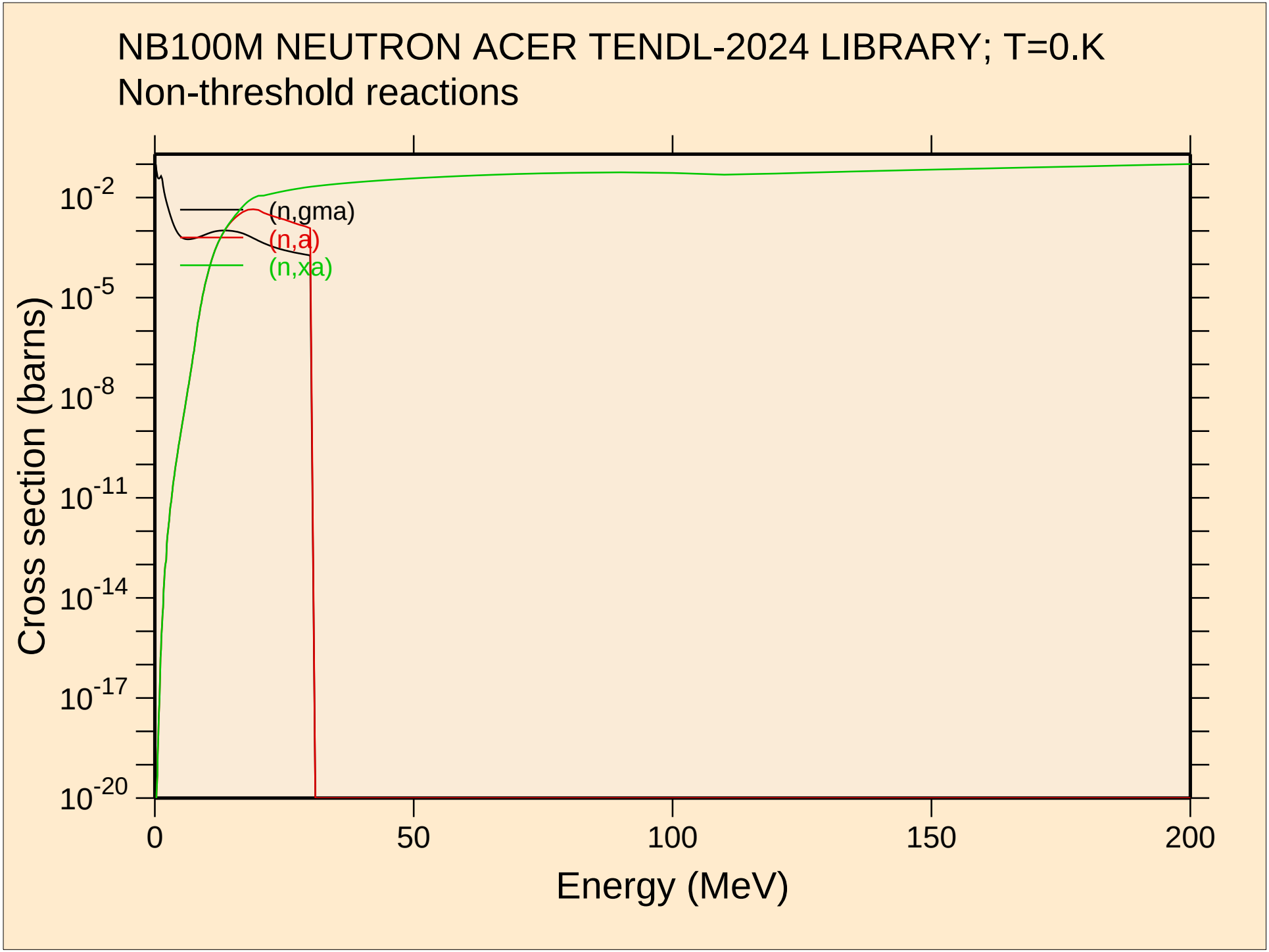

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Damage
damage
Damage (MeV-barns)
Energy (MeV)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

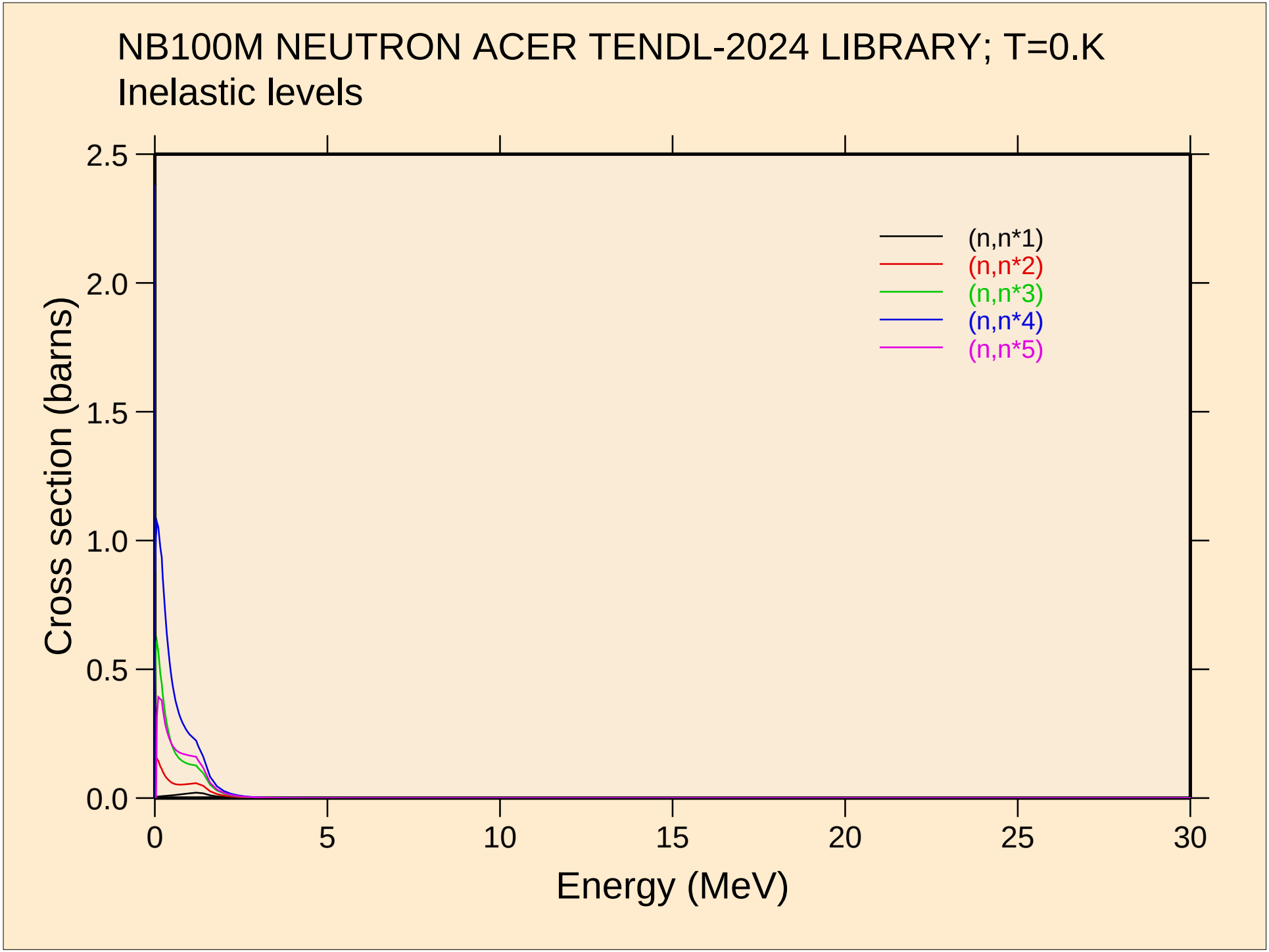

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions
(n,gma)
(n,a)
(n,xa)
Cross section (barns)
Energy (MeV)
10^4
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

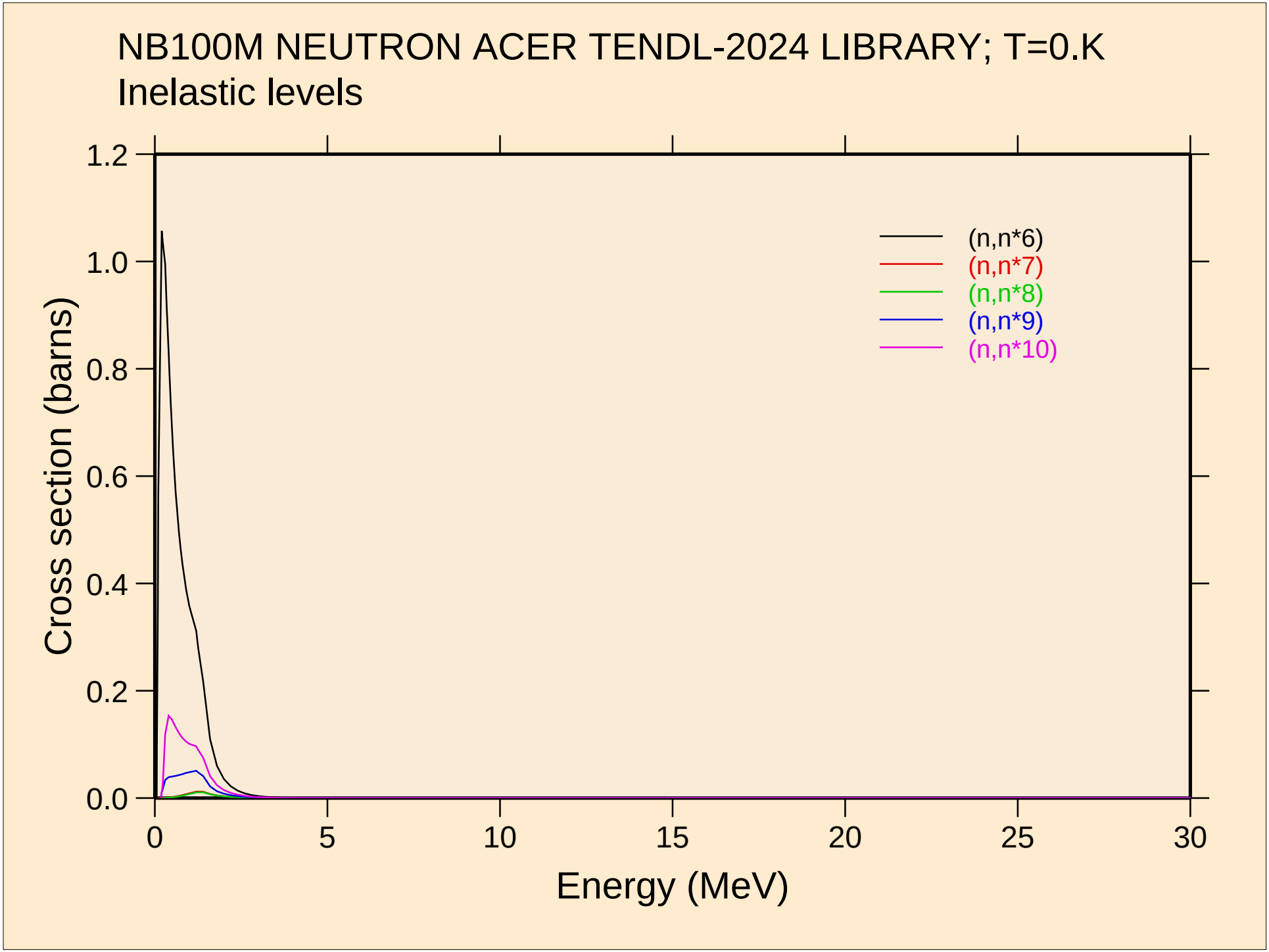

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
Energy (MeV)
0
2
4
6
8
10
0
20
40
60
80
100
120
140
160
180
200
total
absorption
elastic
gamma production

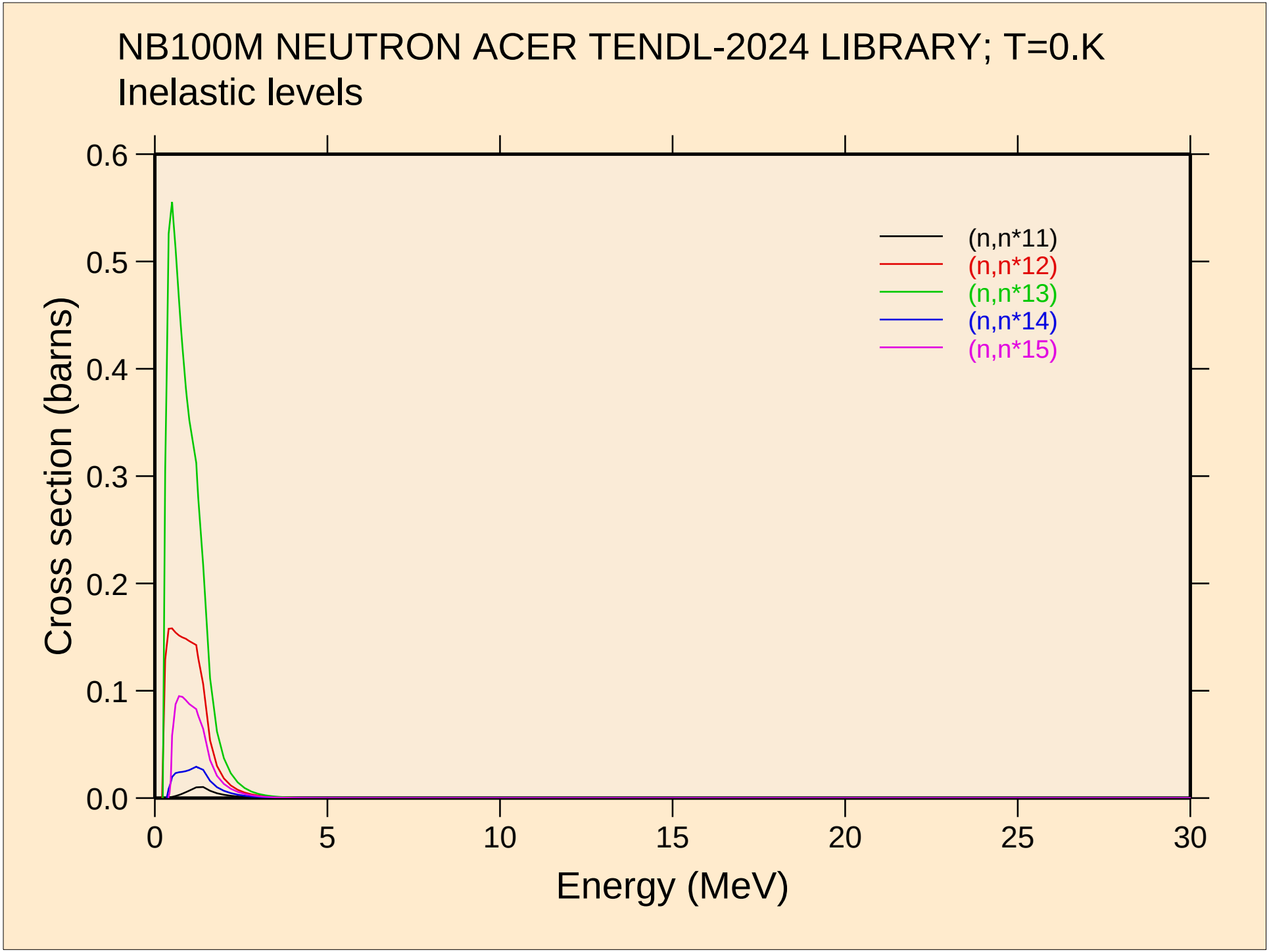

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
5
10
15
20
25
30
0
50
100
150
200

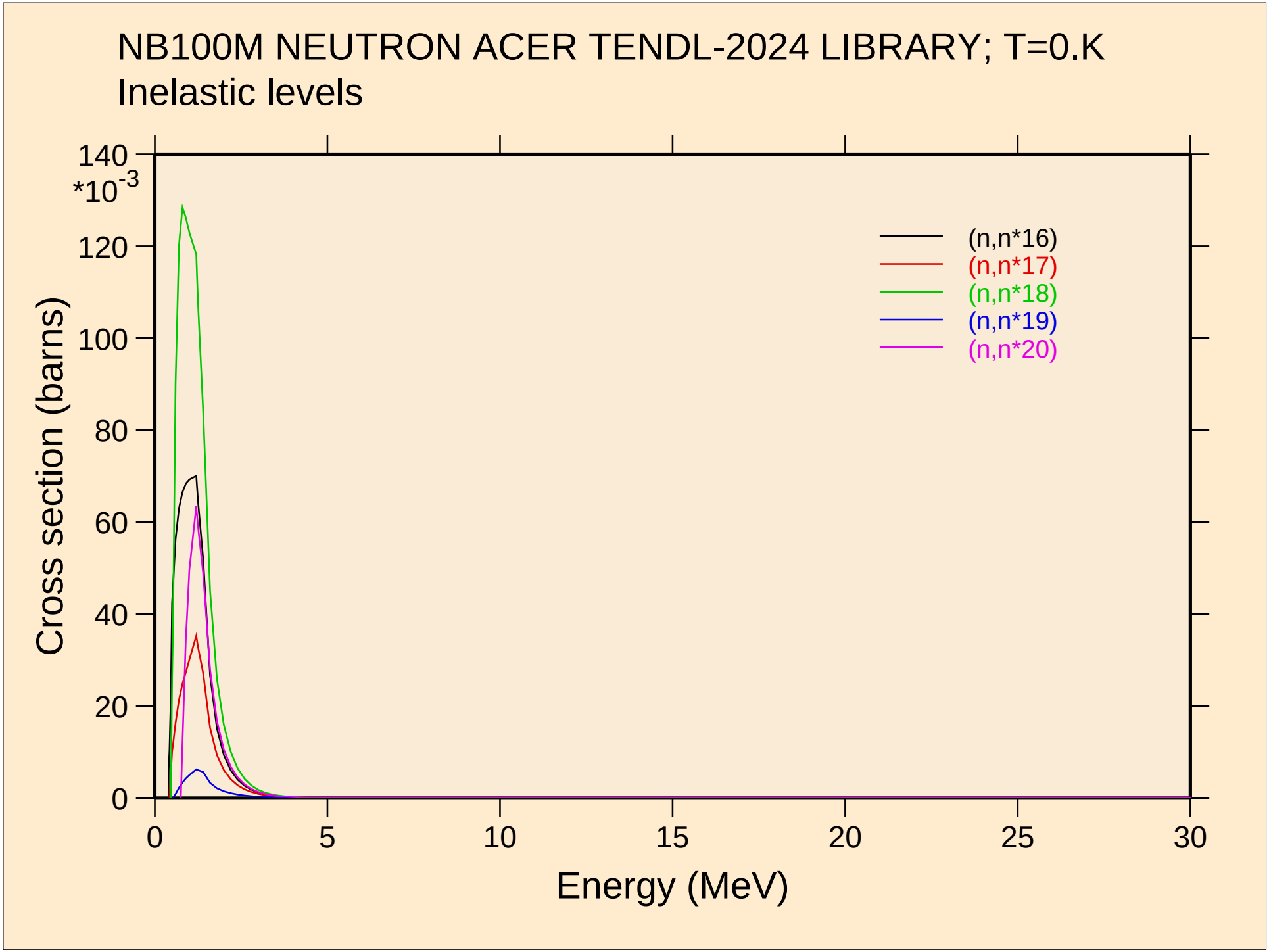

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Damage
damage
Damage (MeV-barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
50
100
150
200
Energy (MeV)

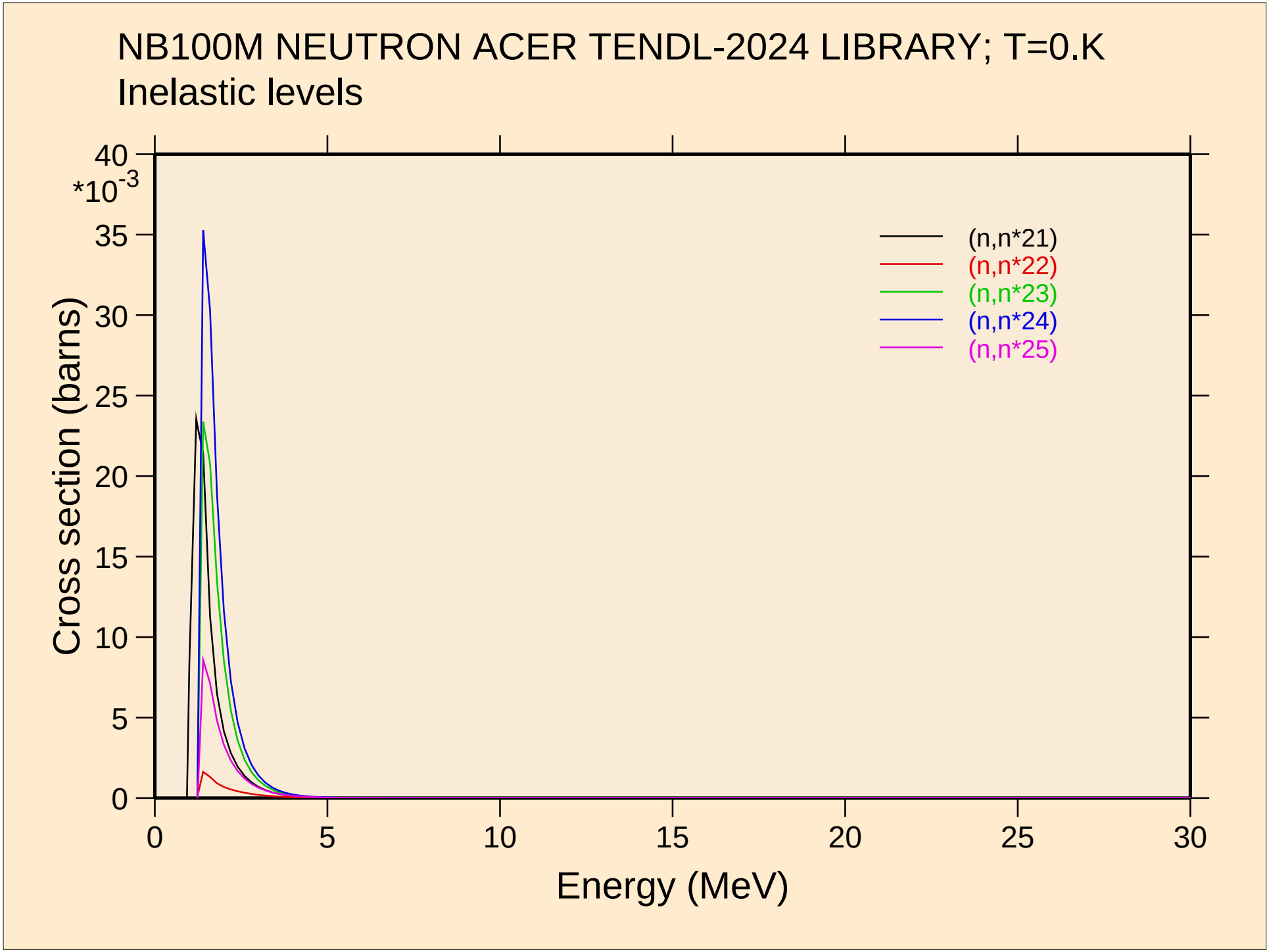

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions
(n,gma)
(n,a)
(n,xa)
Cross section (barns)
10-2
10-5
10-8
10-11
10-14
10-17
10-20
0
50
100
150
200
Energy (MeV)

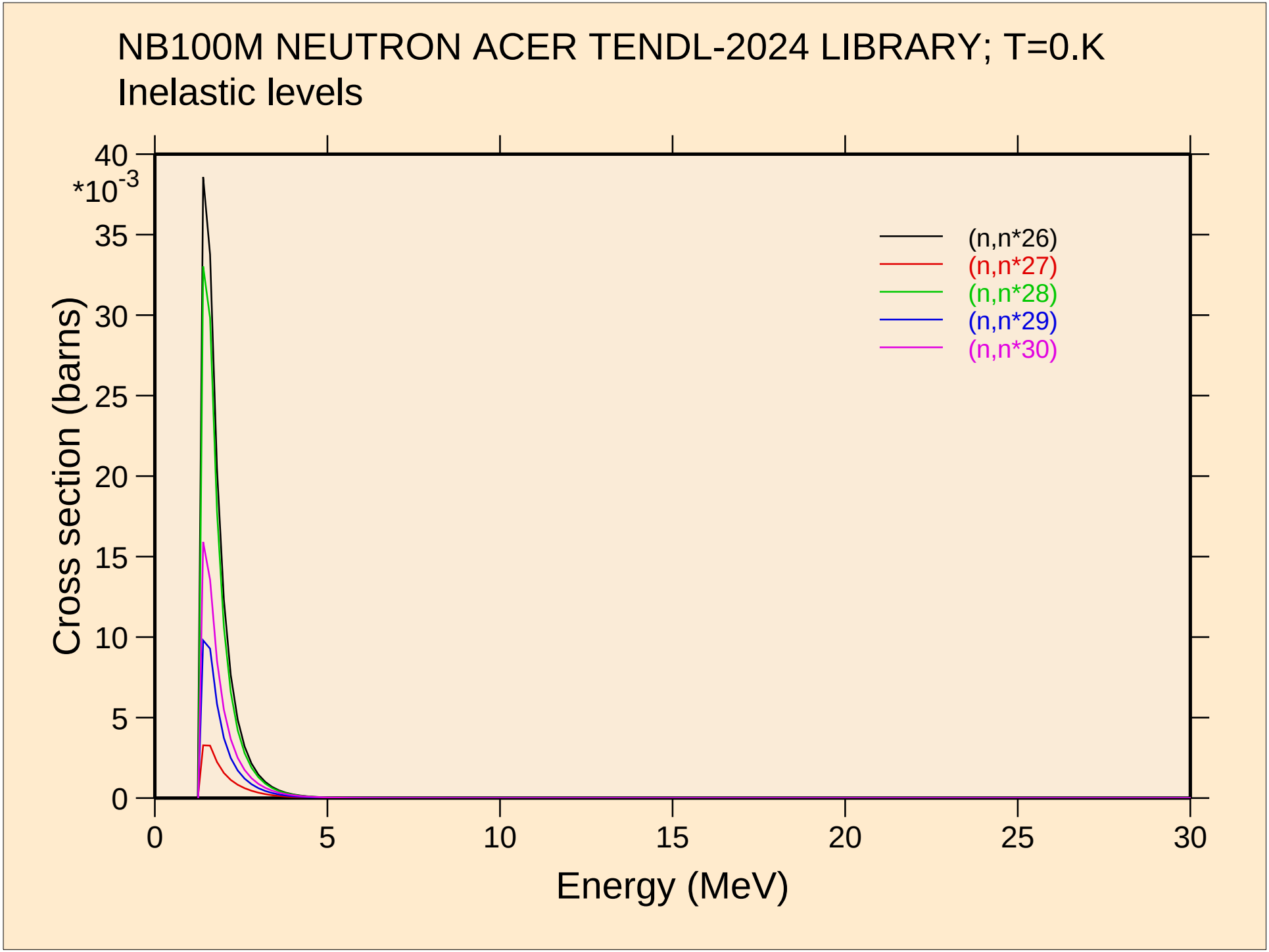

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
Energy (MeV)
2.5
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
30
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

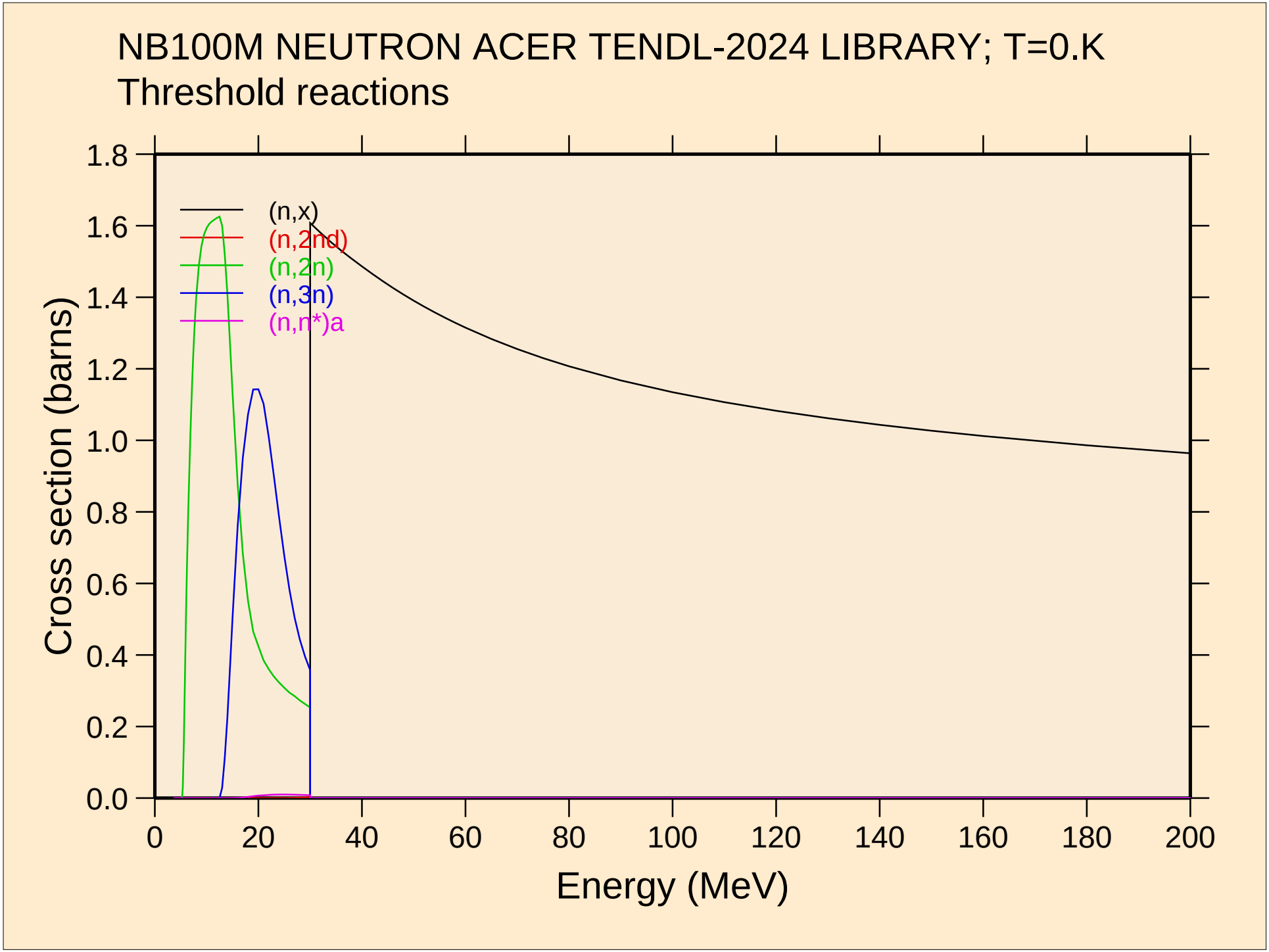

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
Energy (MeV)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

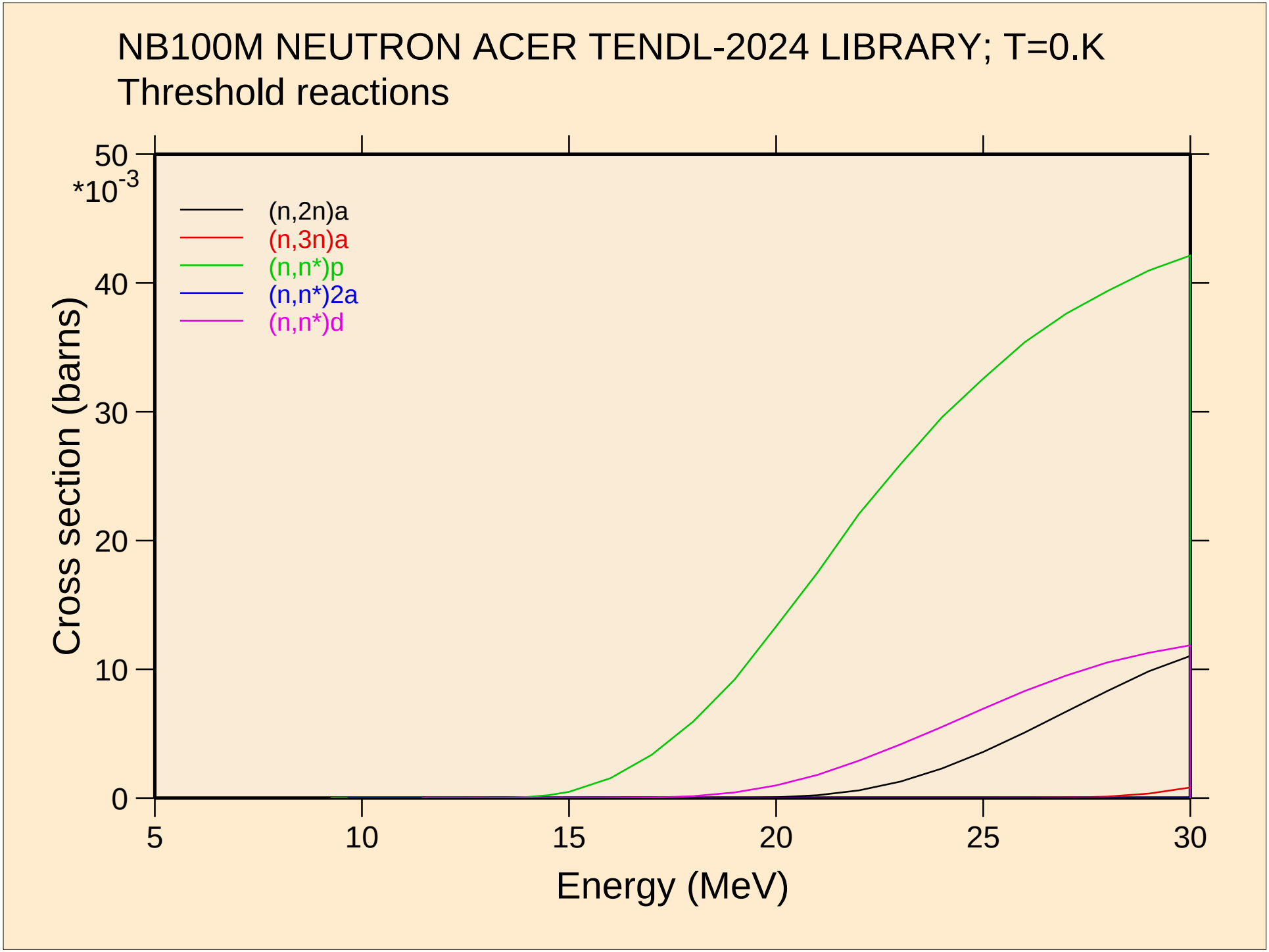

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
5
10
15
20
25
30
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

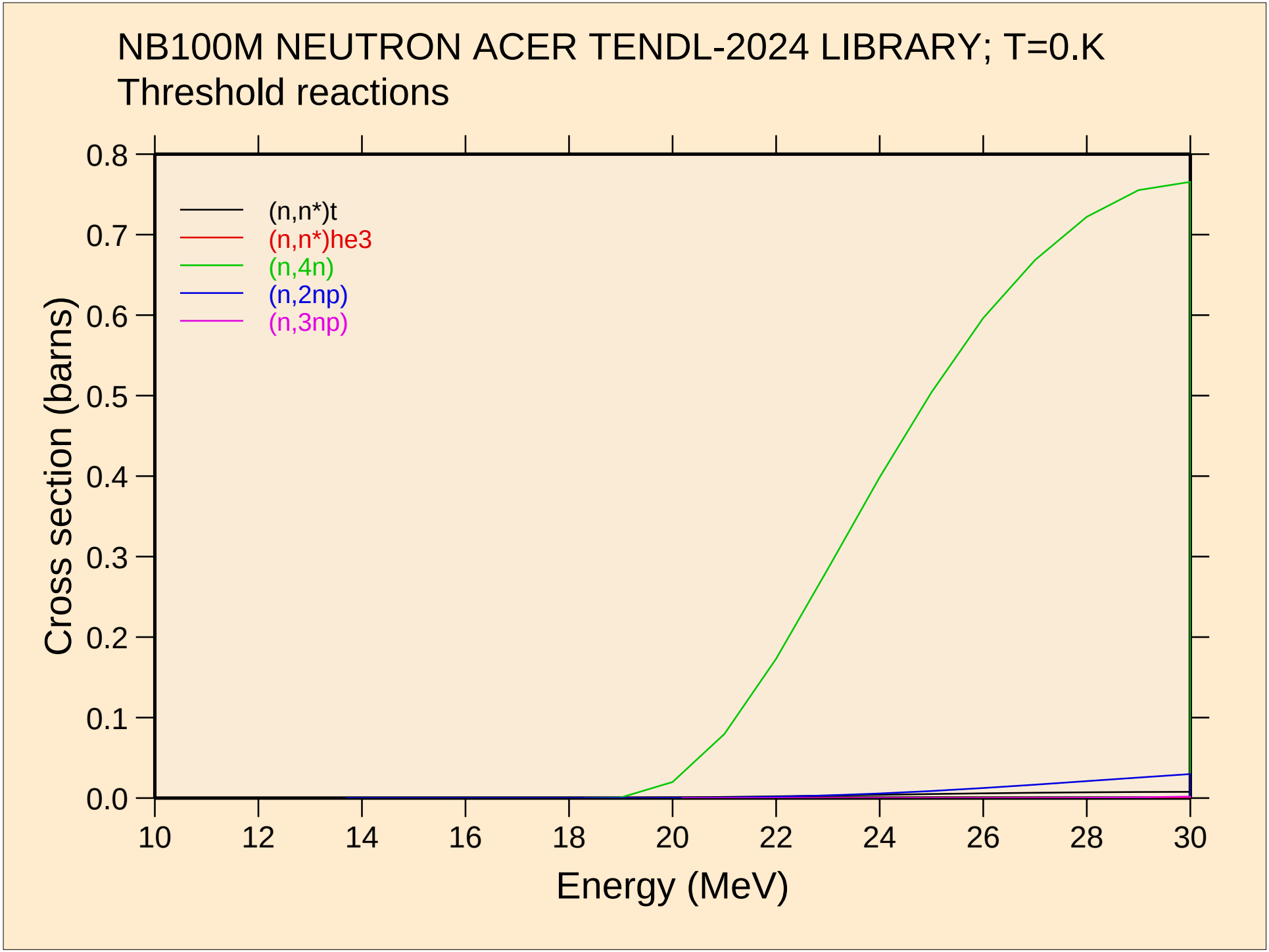

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
*10-3
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

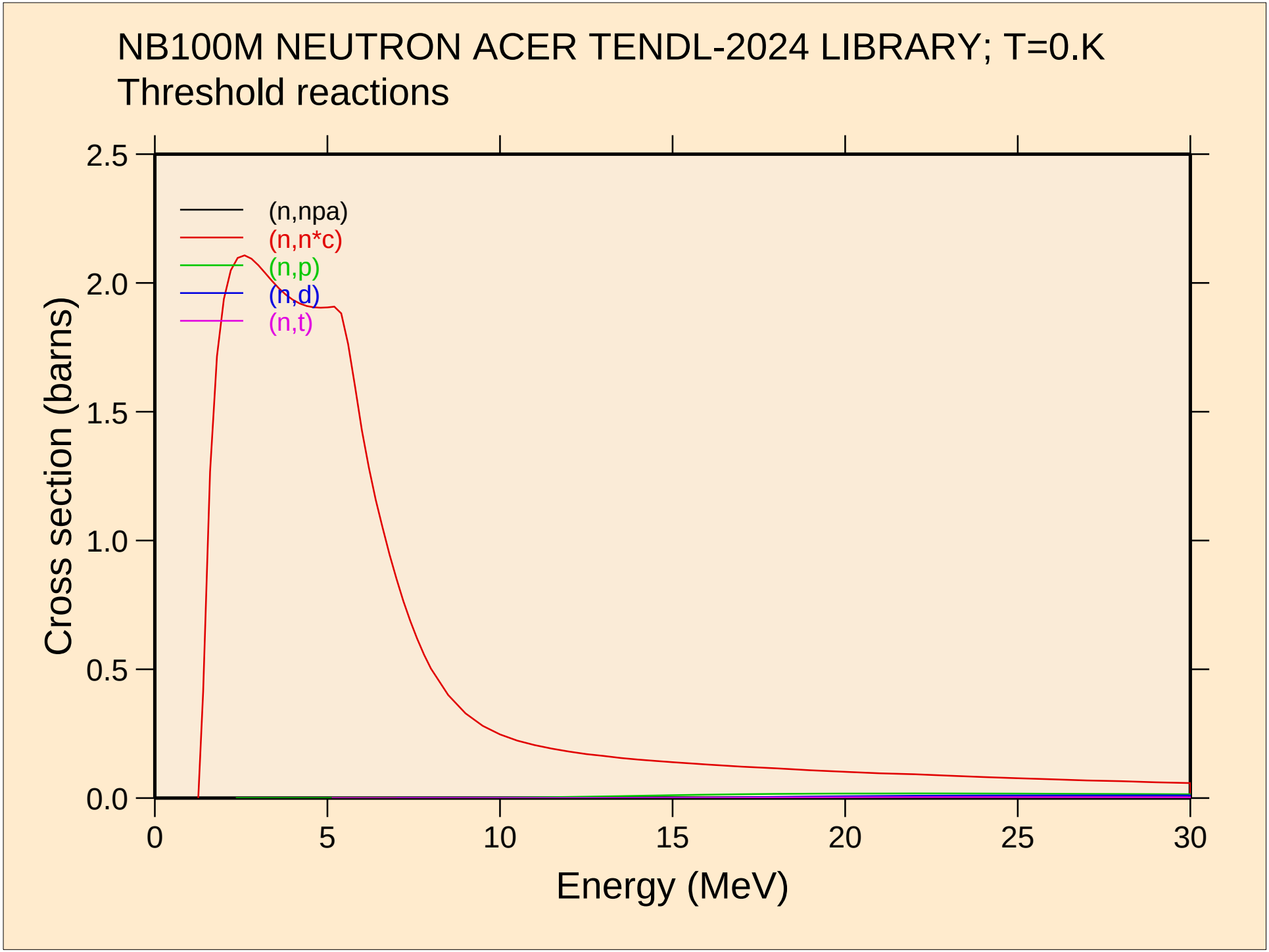

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
*10-3
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)

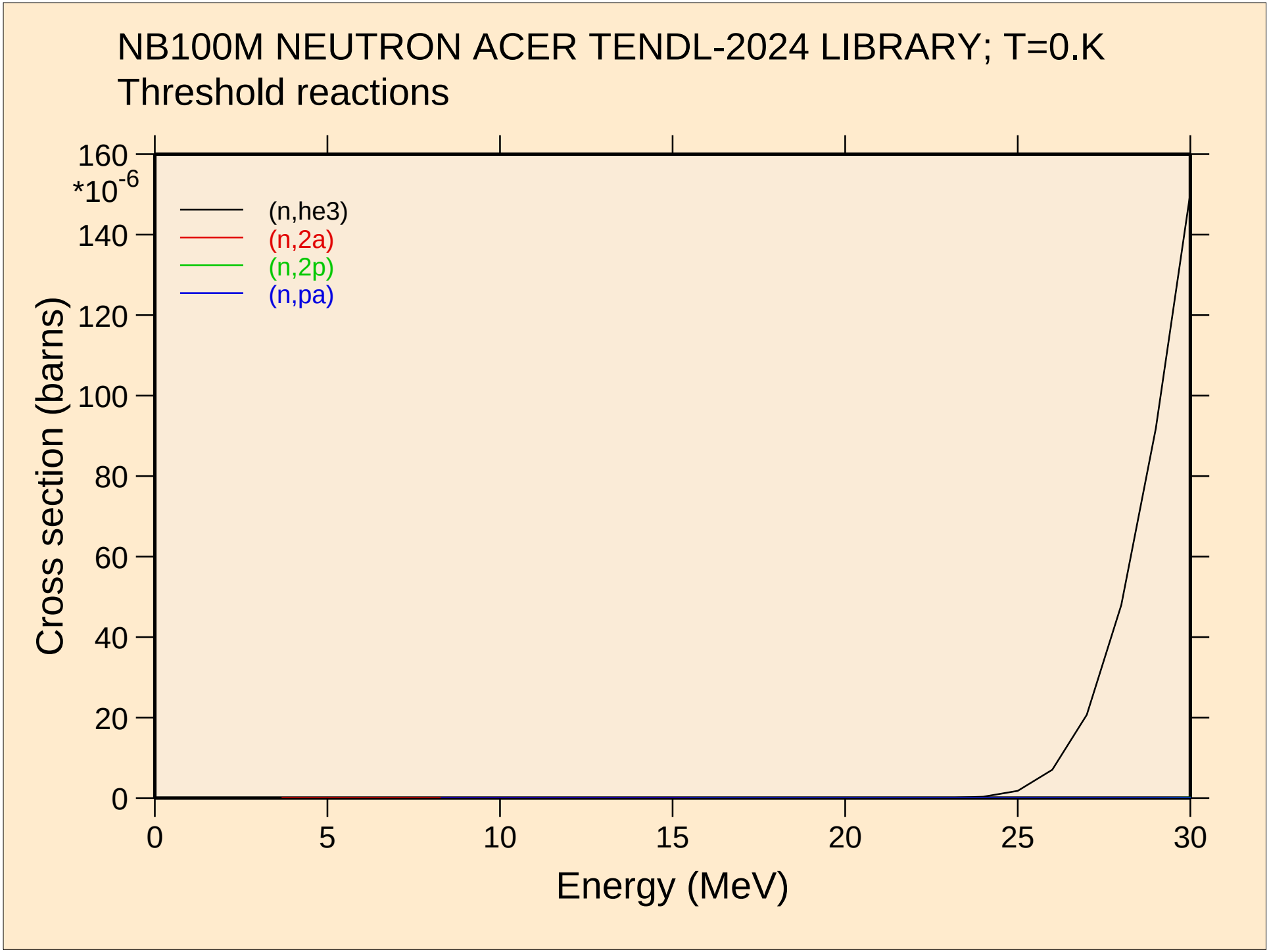

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels
Cross section (barns)
*10-3
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

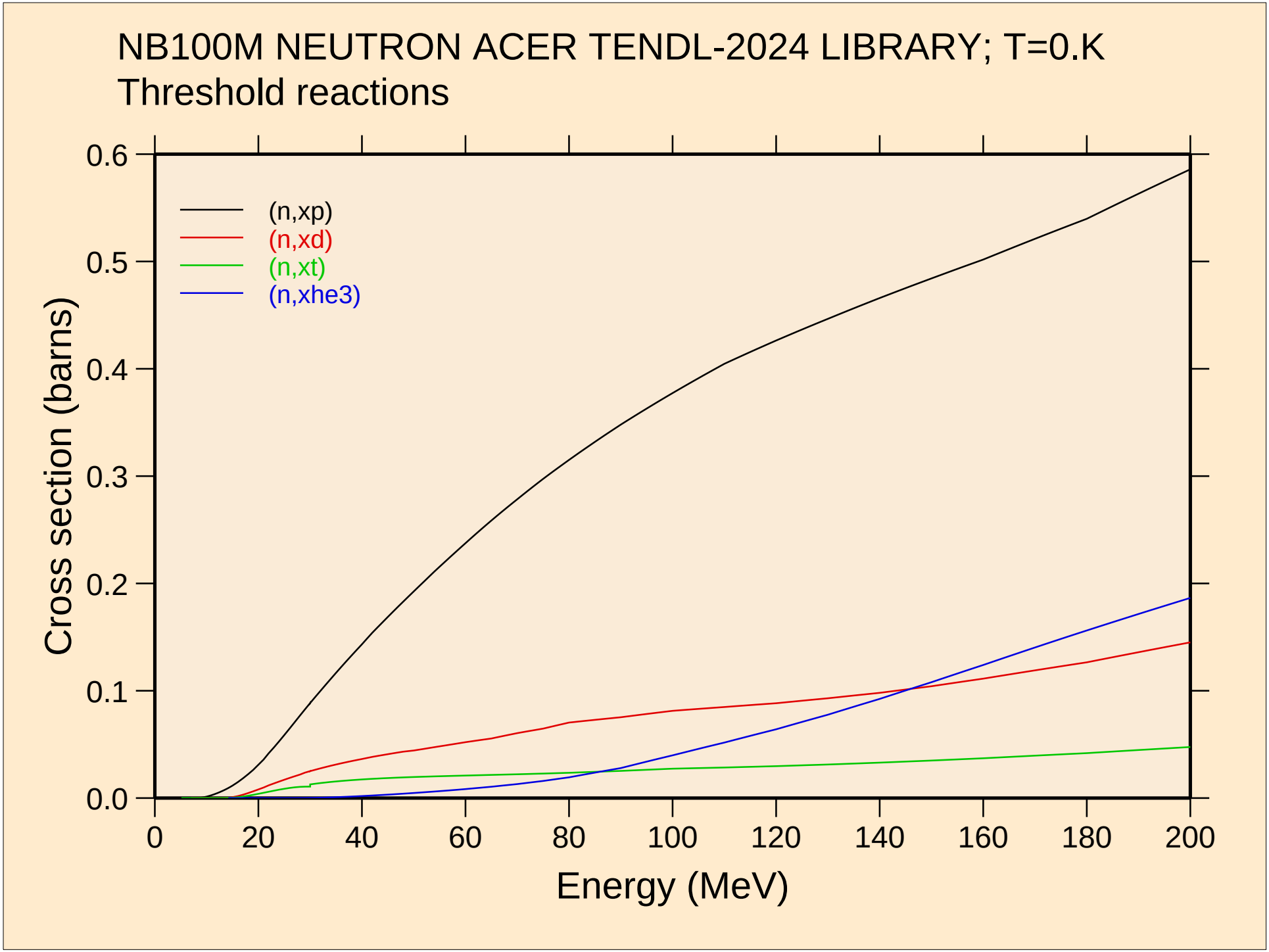

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
(n,x)
(n,2nd)
(n,2n)
(n,3n)
(n,n*)a
Cross section (barns)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
20
40
60
80
100
120
140
160
180
200

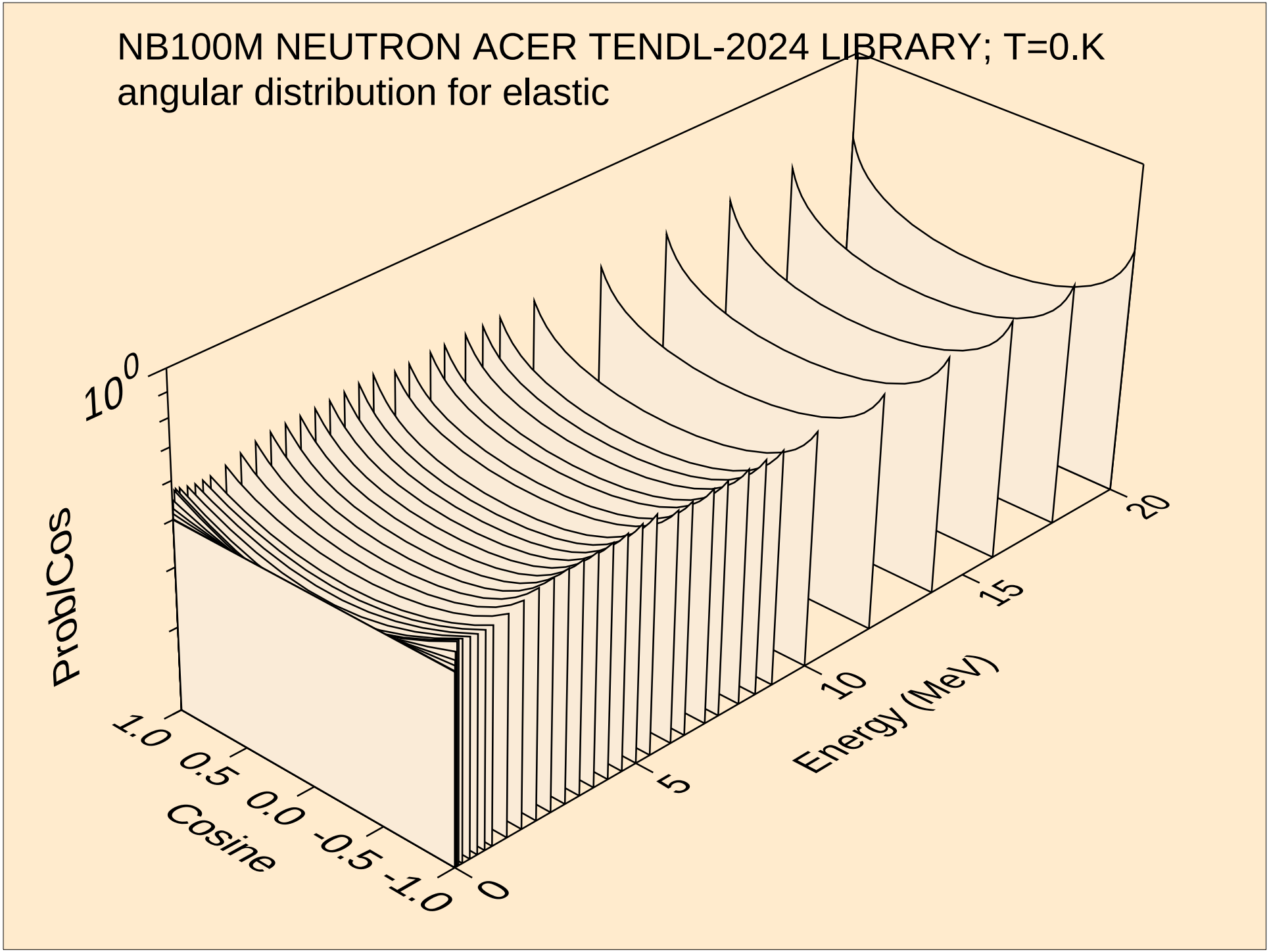

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
*10-3
50
40
30
20
10
0
Cross section (barns)
(n,2n)a
(n,3n)a
(n,n*)p
(n,n*)2a
(n,n*)d
5
10
15
20
25
30
Energy (MeV)

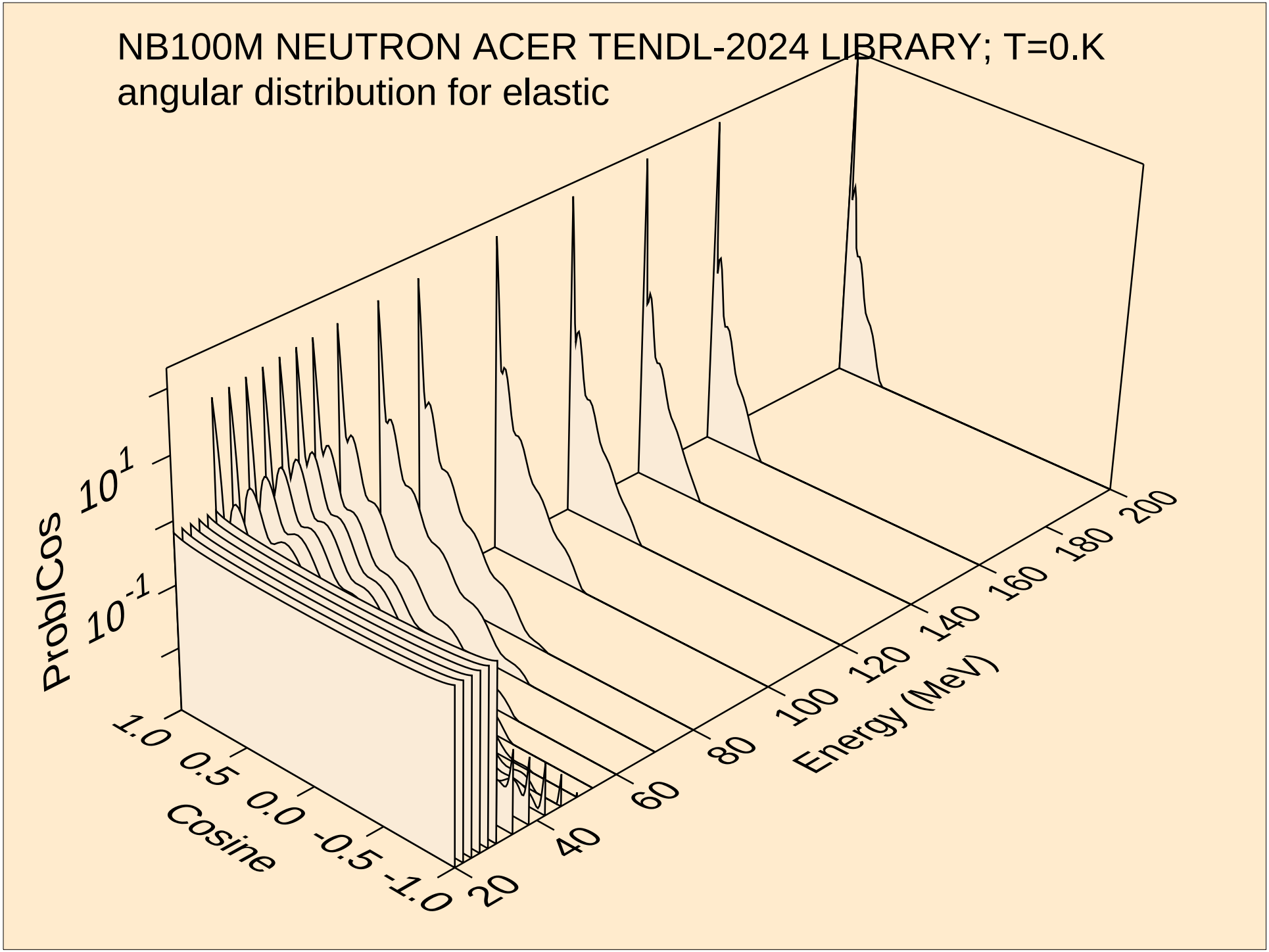

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
(n,n*)t
(n,n*)he3
(n,4n)
(n,2np)
(n,3np)
Cross section (barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

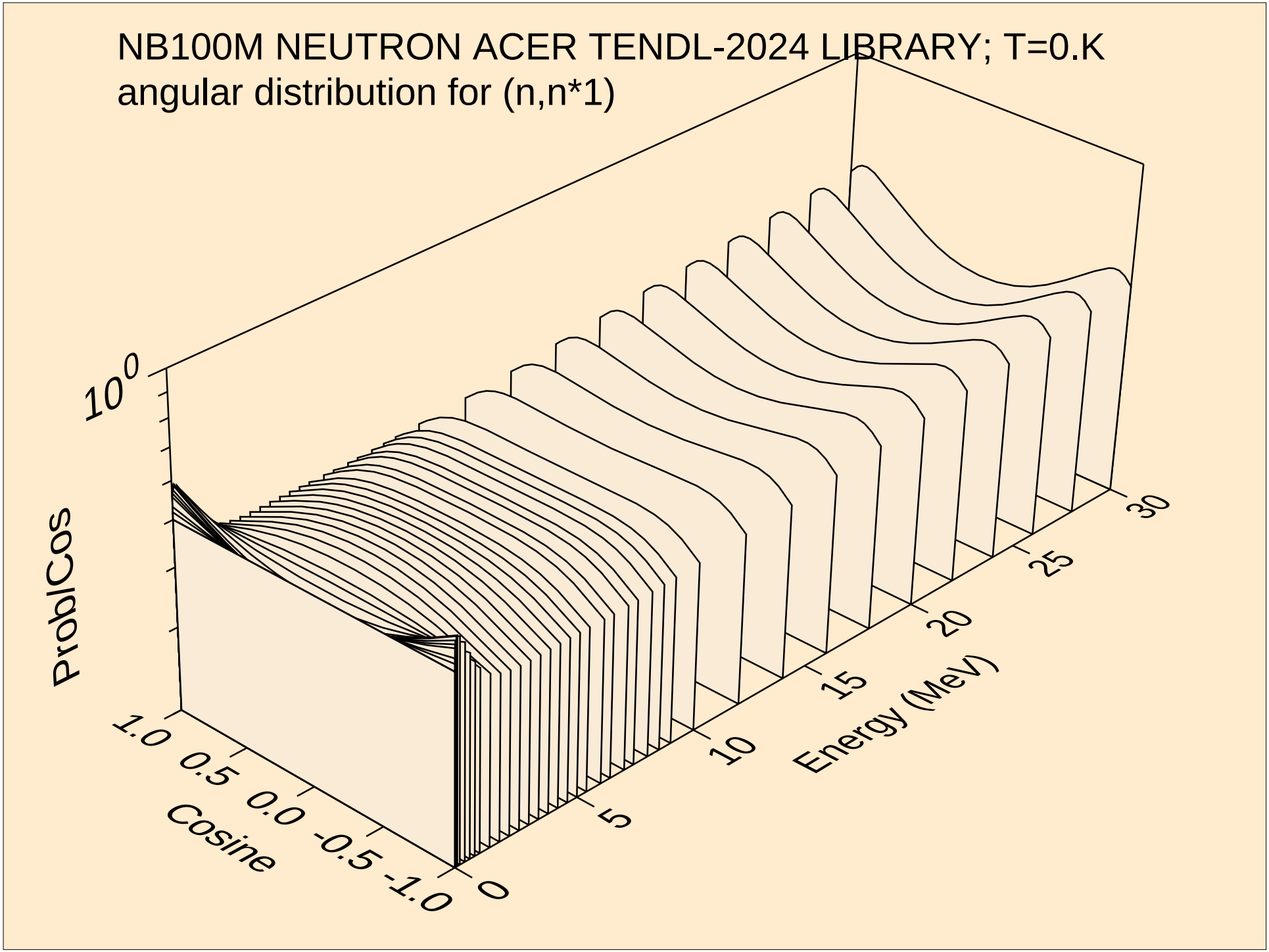

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
(n,npa)
(n,n*c)
(n,p)
(n,d)
(n,t)
Cross section (barns)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
0
5
10
15
20
25
30

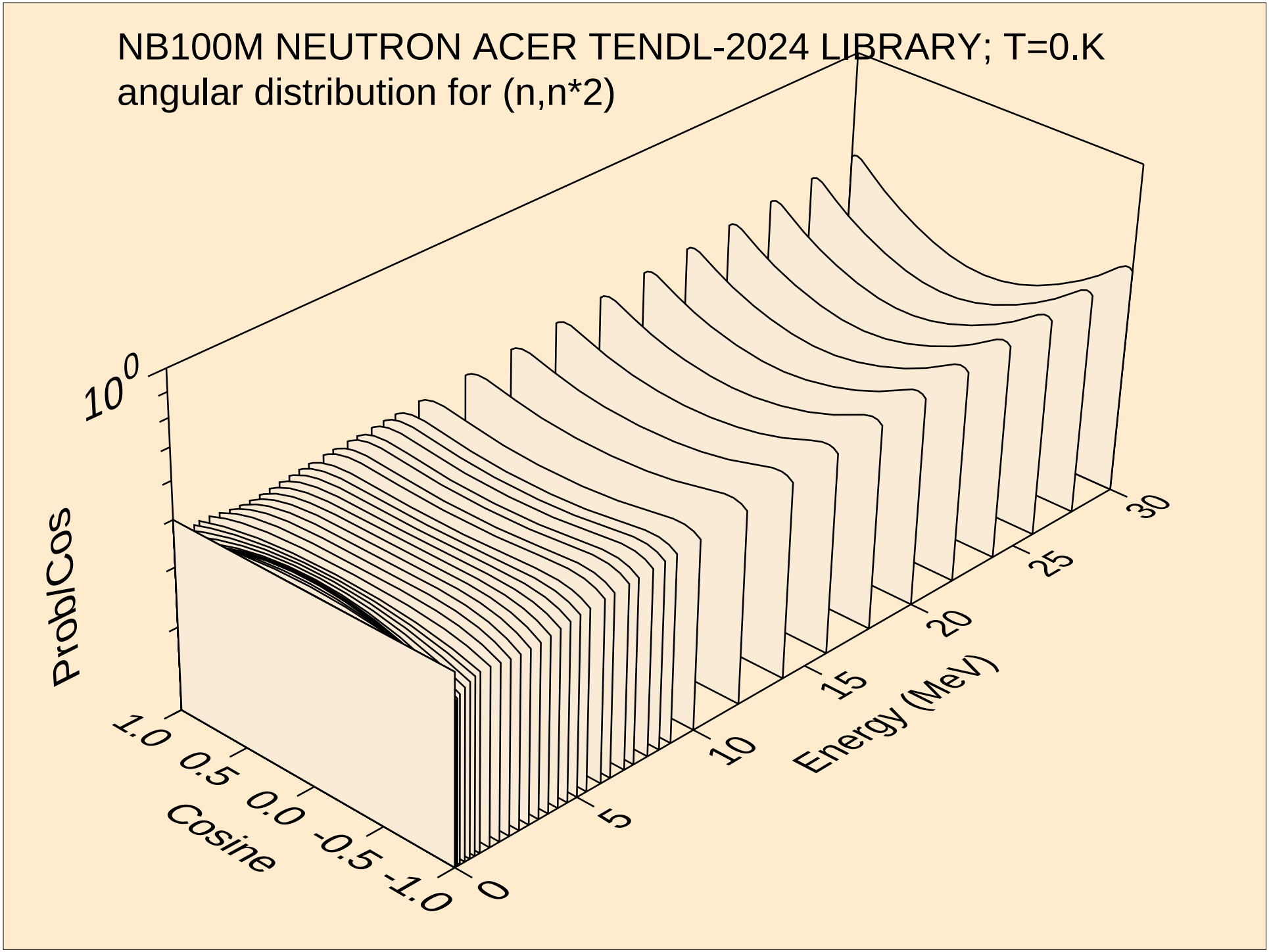

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
160
*10-6
140
120
100
80
60
40
20
0
Cross section (barns)
(n,he3)
(n,2a)
(n,2p)
(n,pa)
0
5
10
15
20
25
30
Energy (MeV)

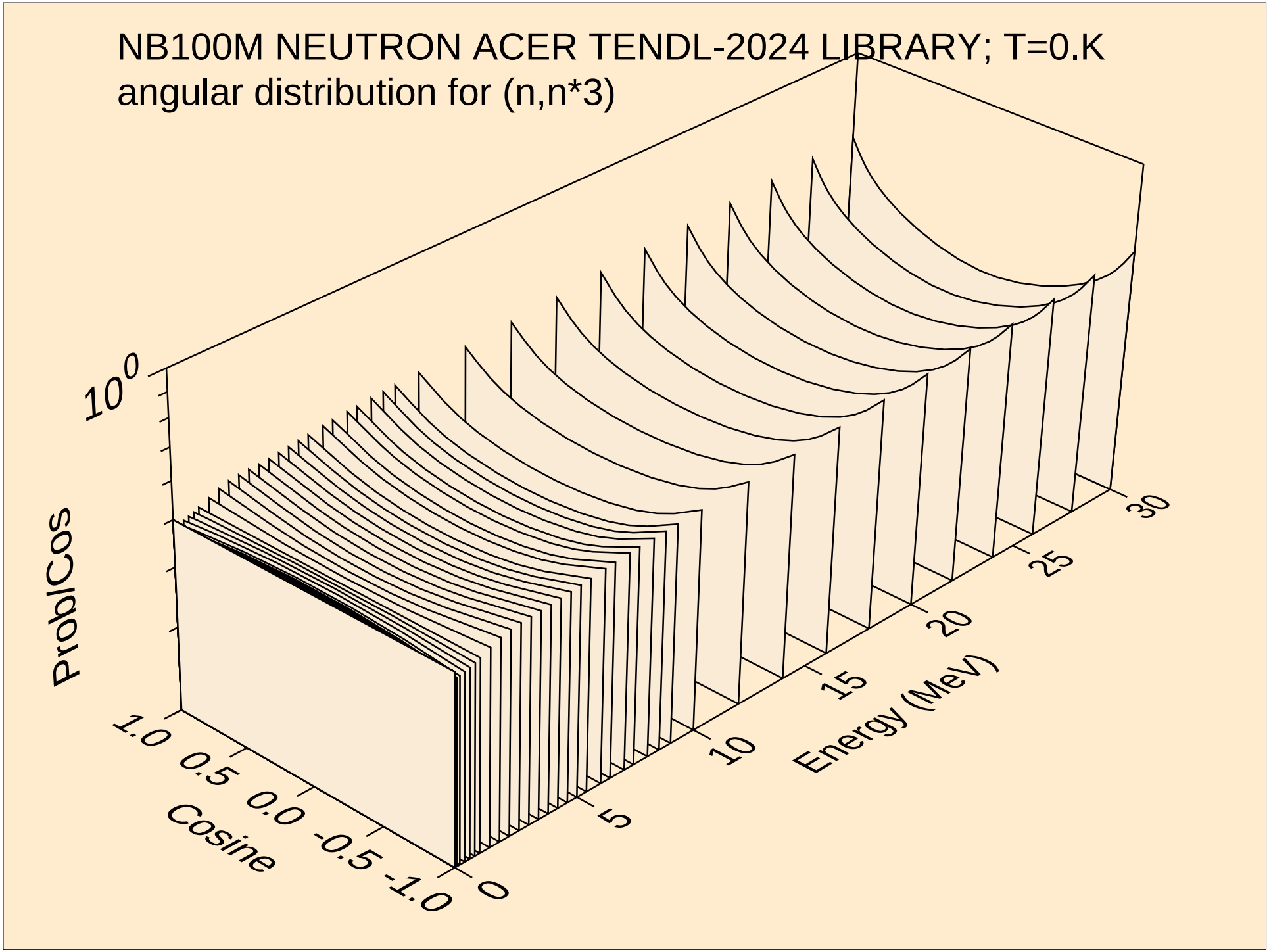

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions
(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
Cross section (barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

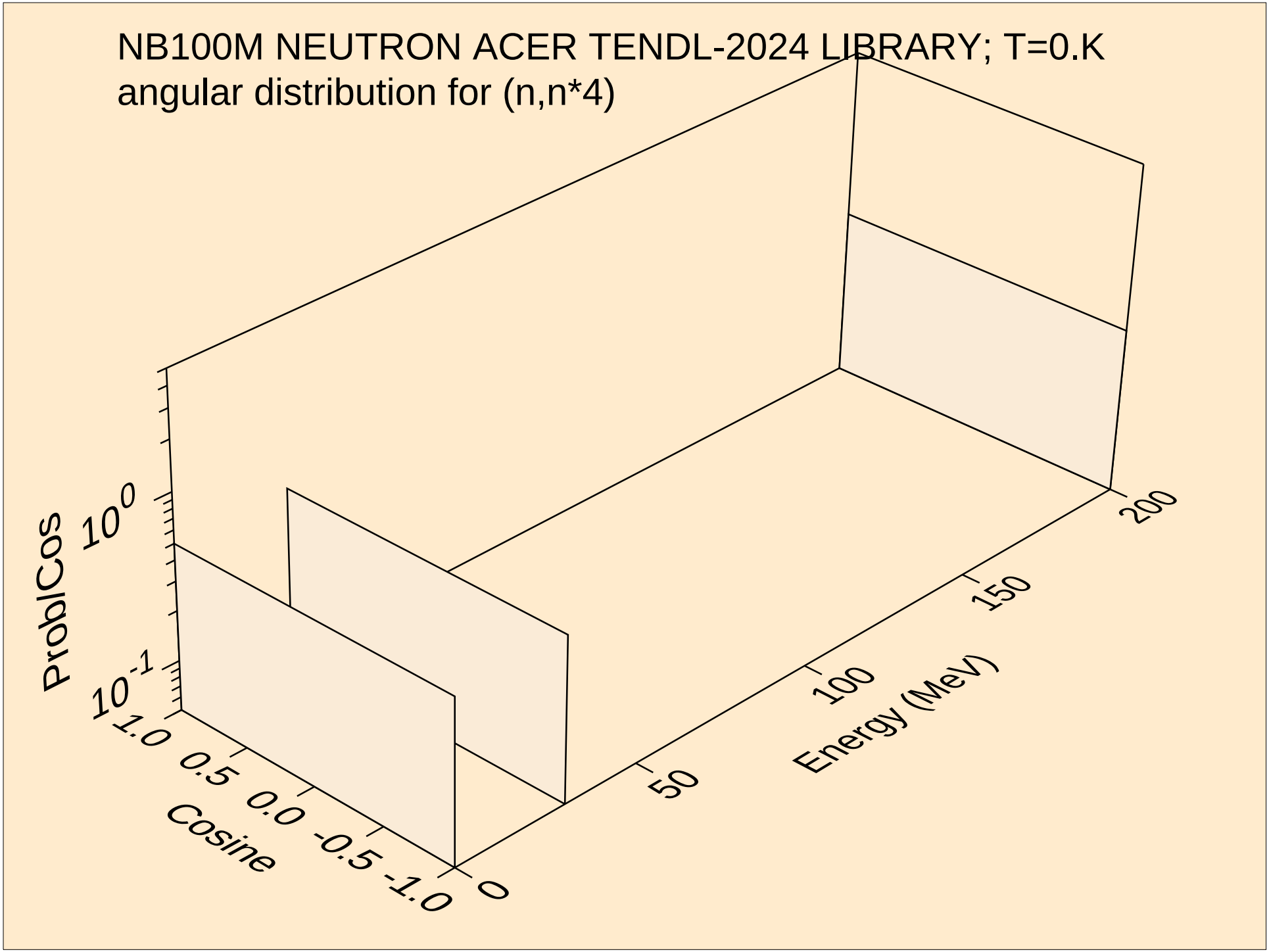

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)

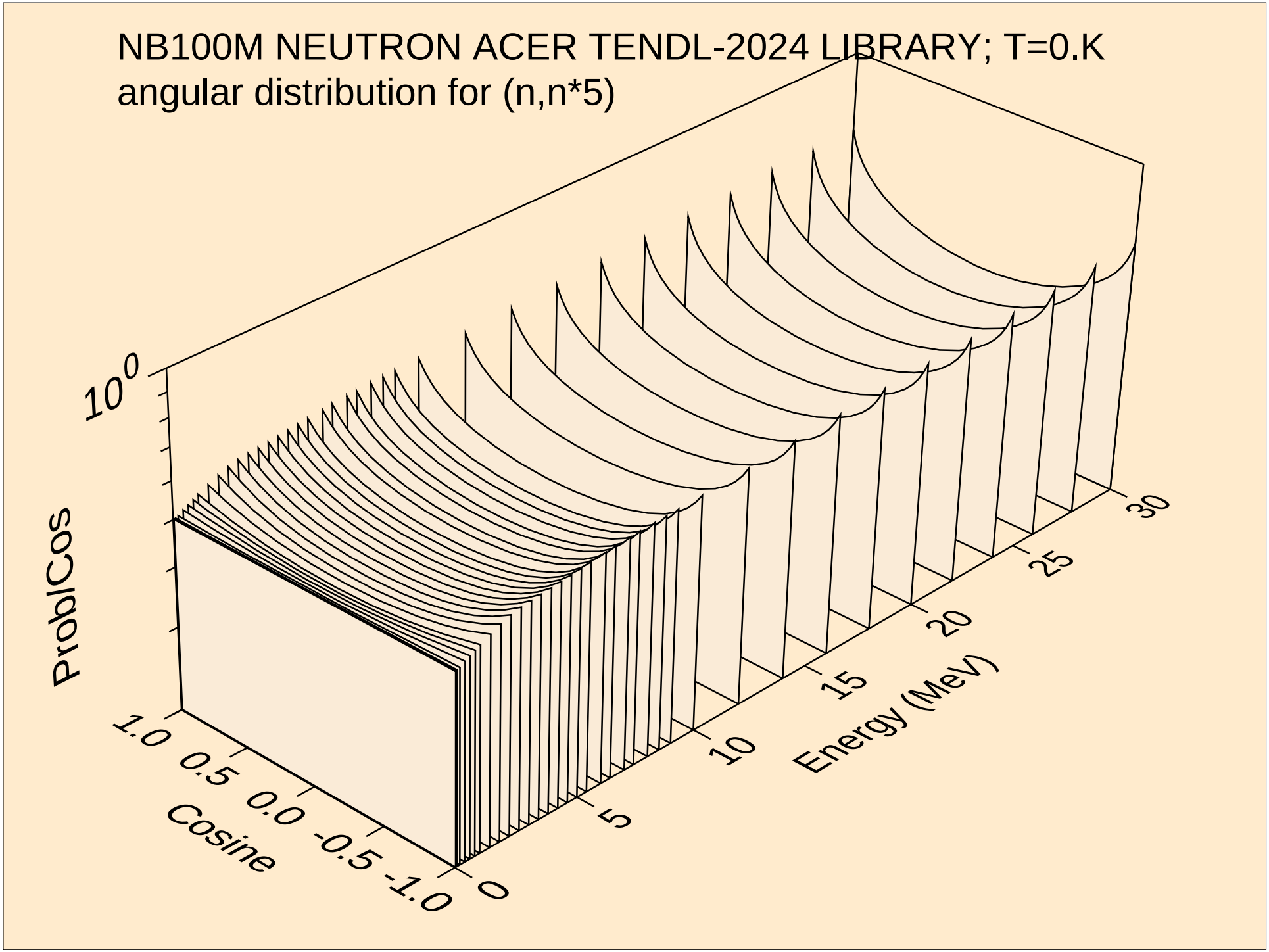

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic
ProbICos
10^{1}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

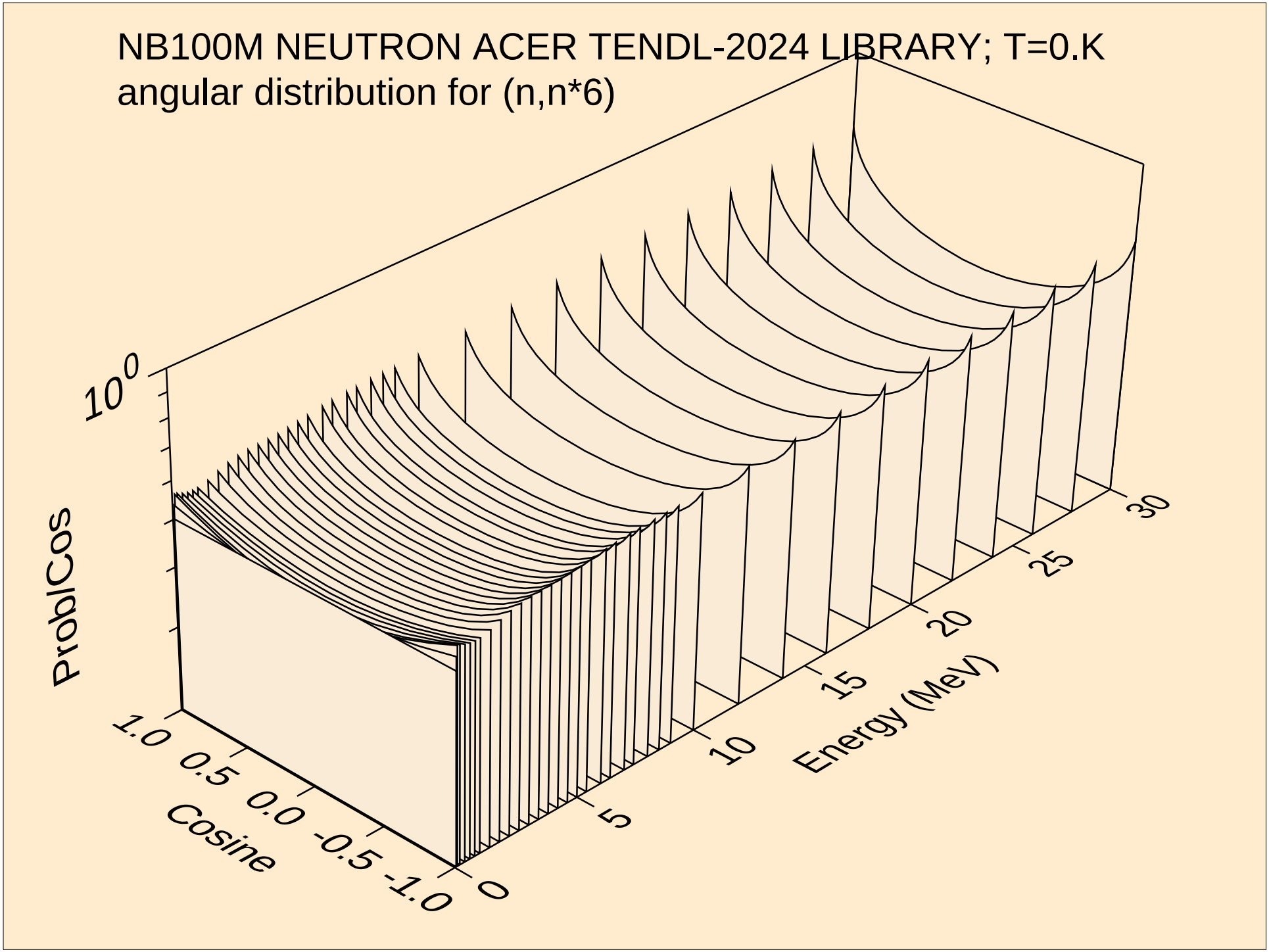

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*1)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

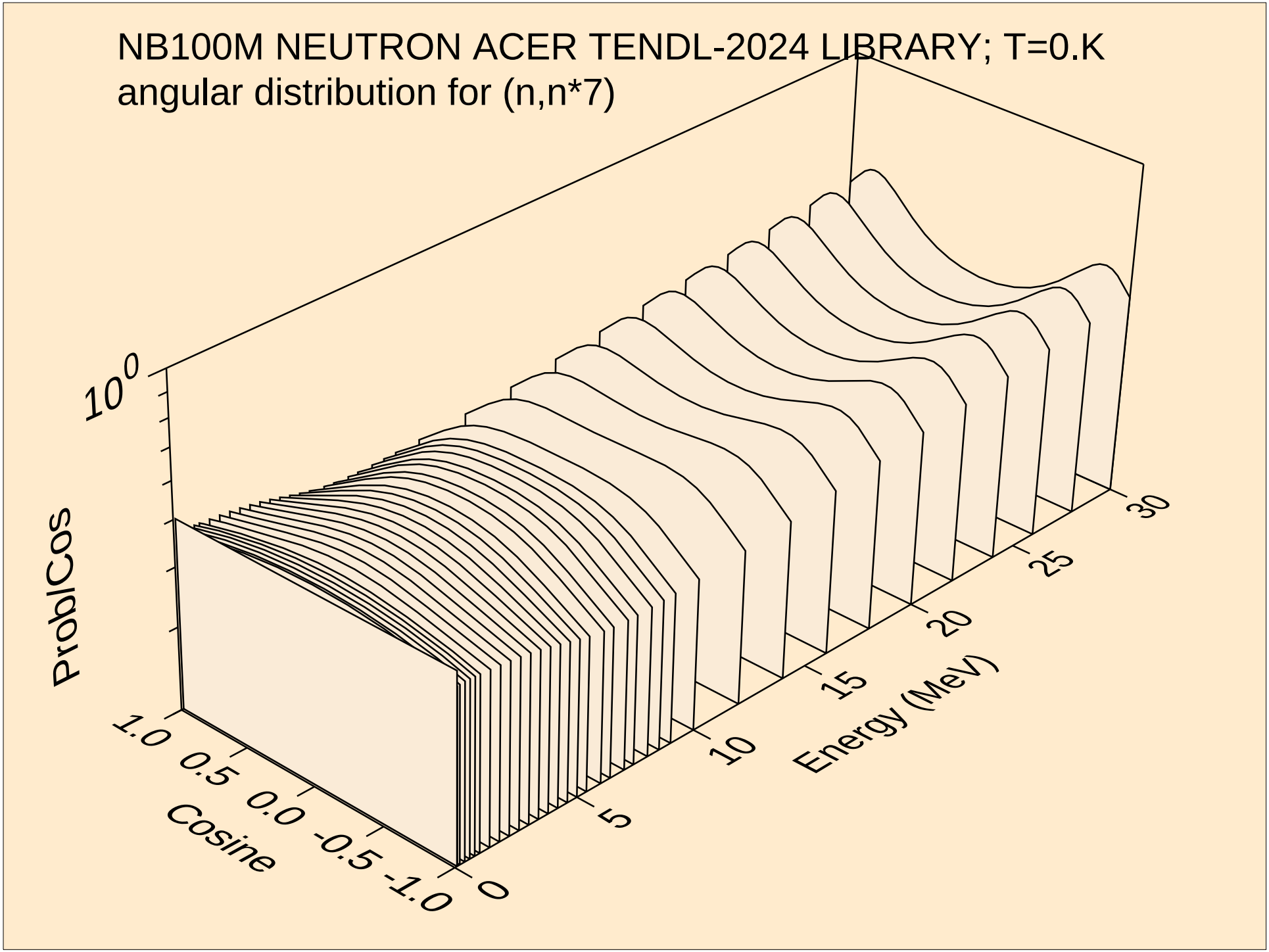

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*2)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

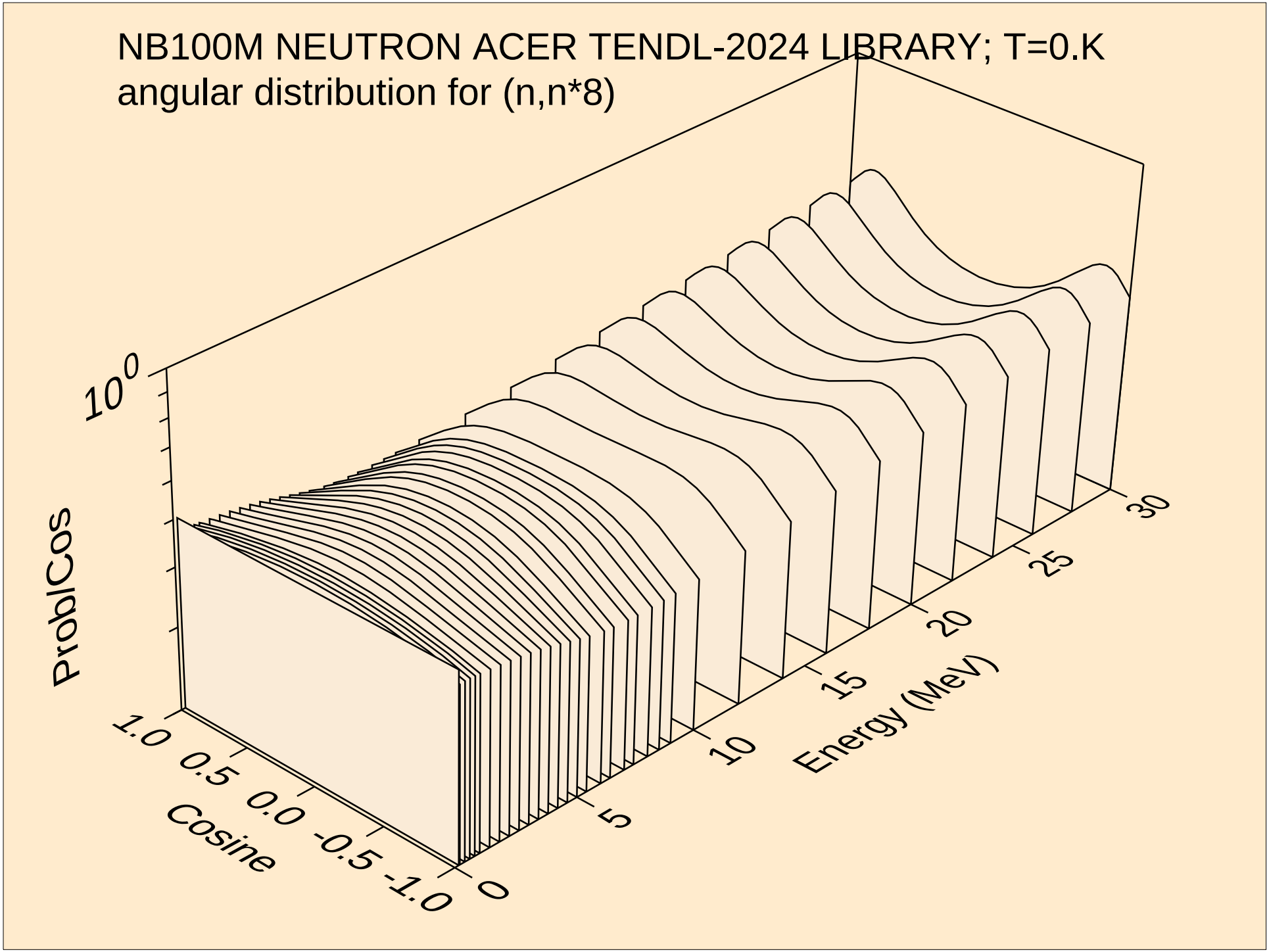

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*3)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

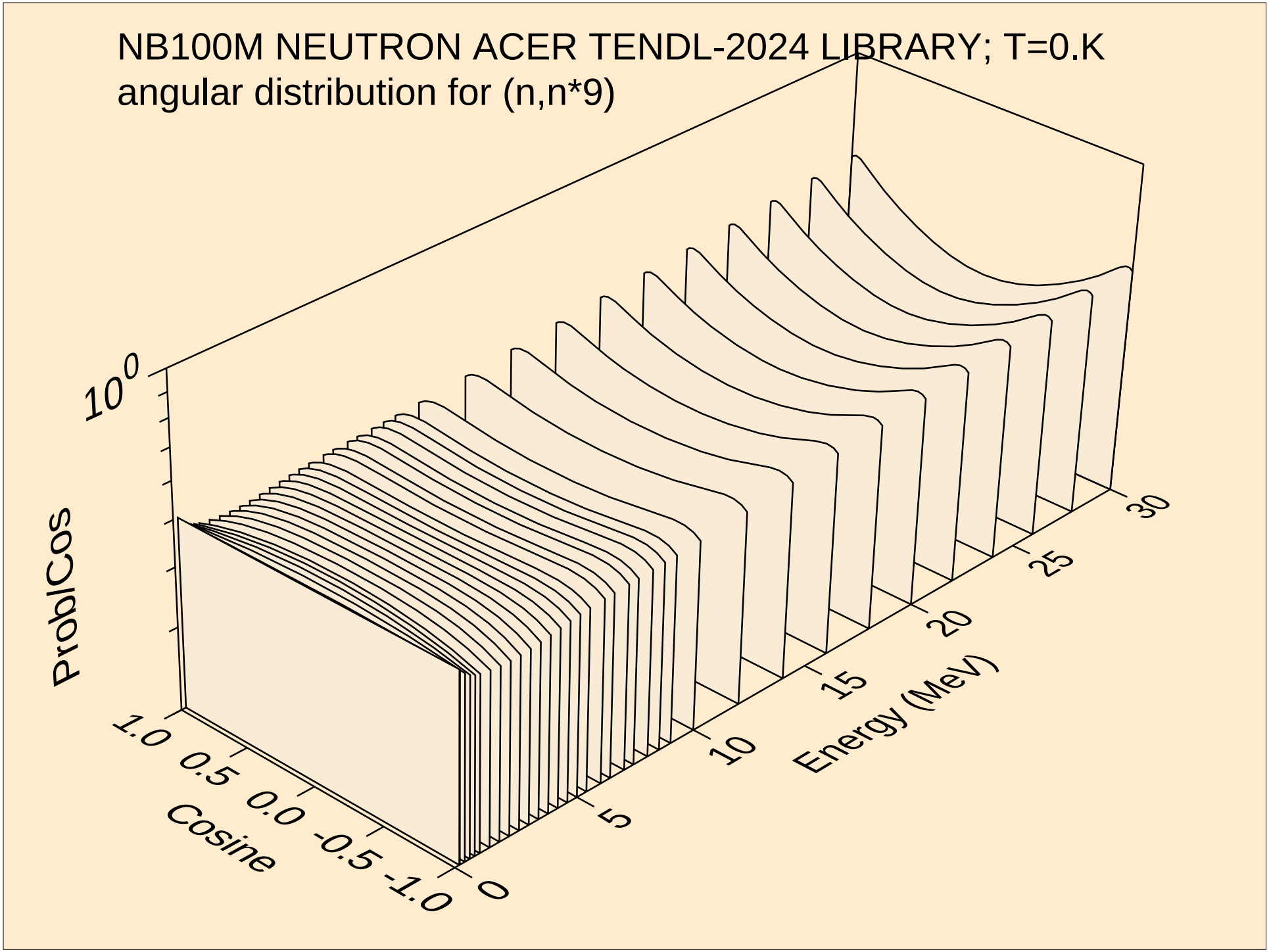

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*4)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
50
100
150
200
Energy (MeV)

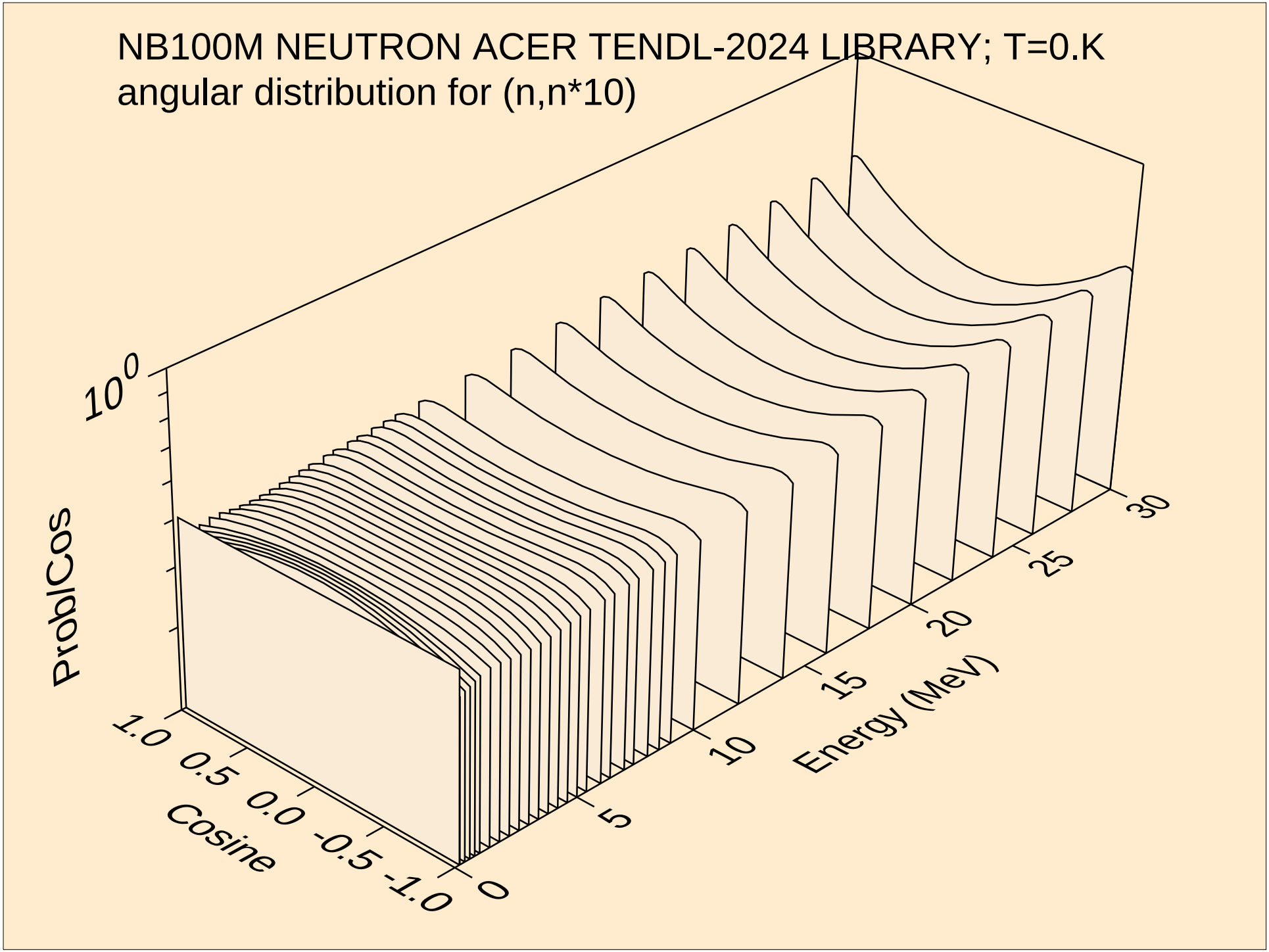

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*5)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

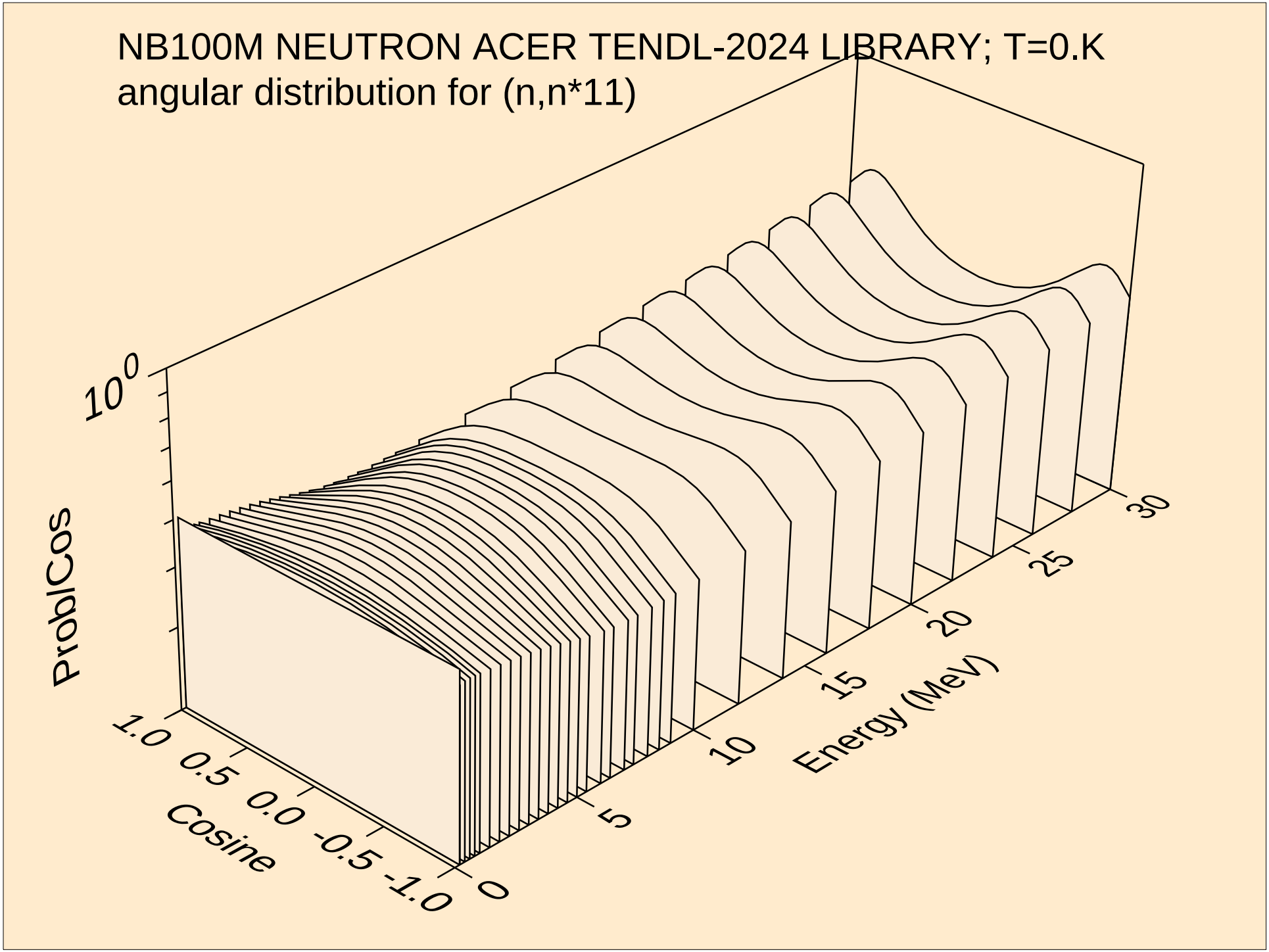

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*6)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

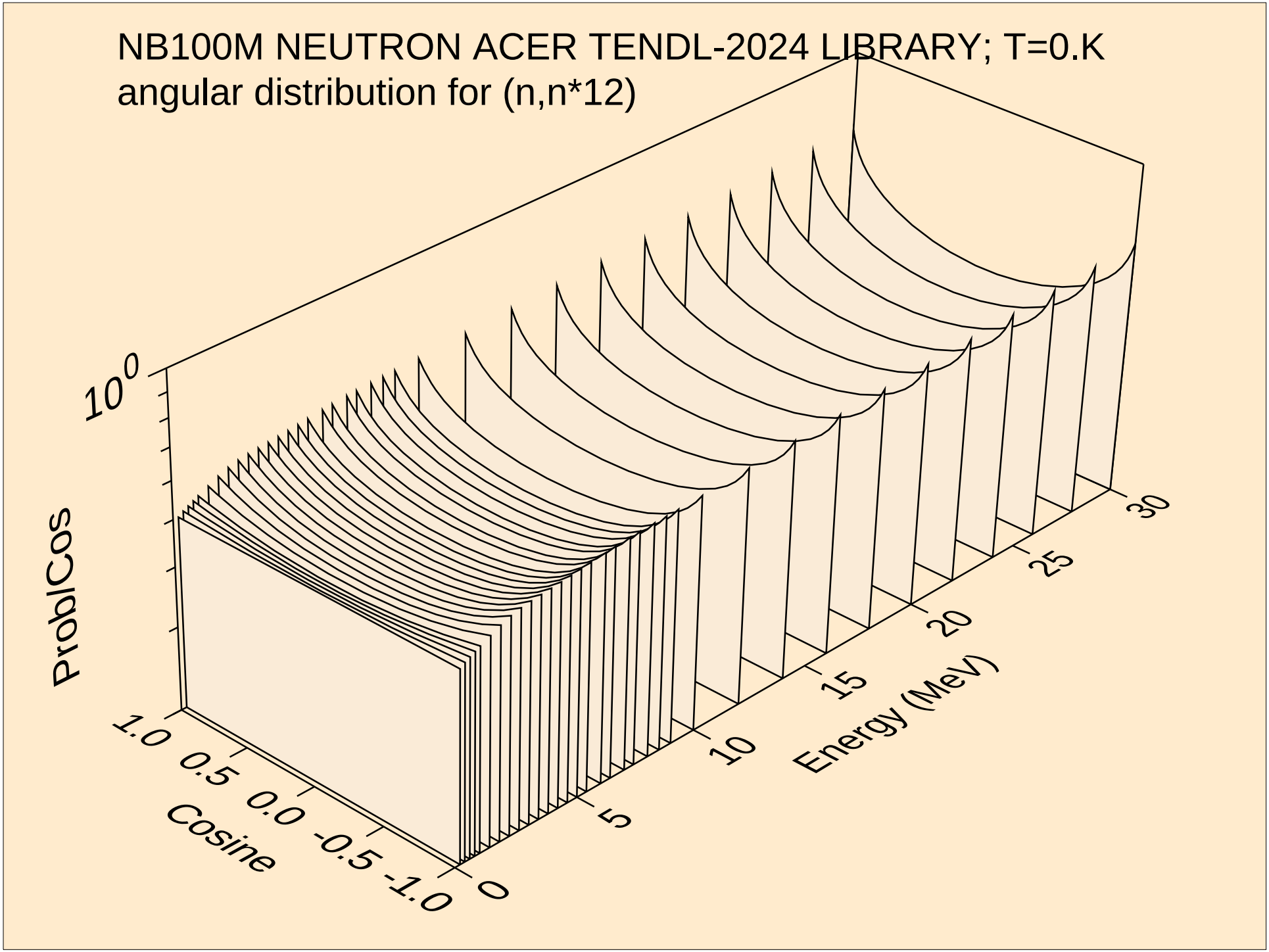

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*7)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

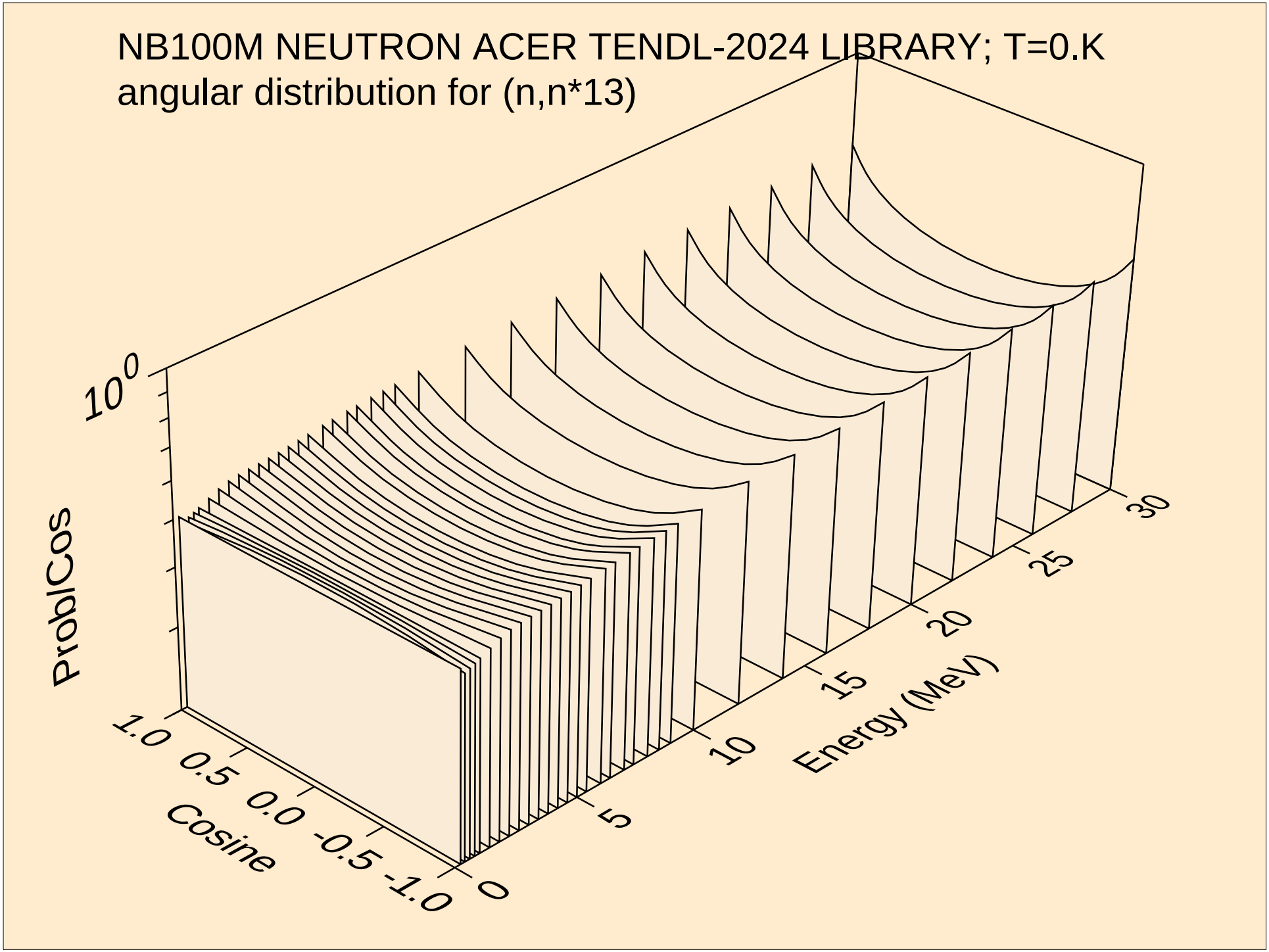

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*8)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

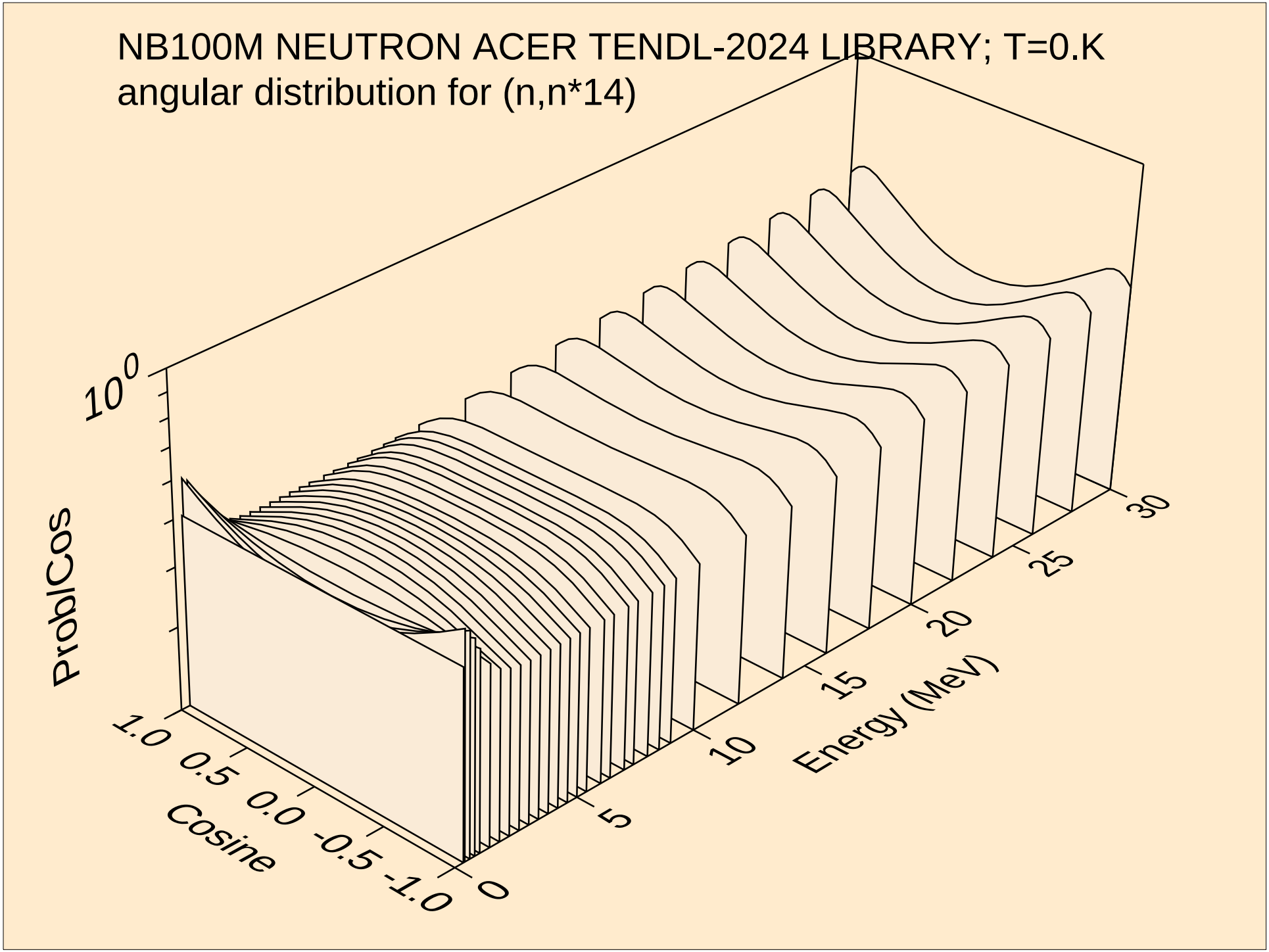

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*9)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

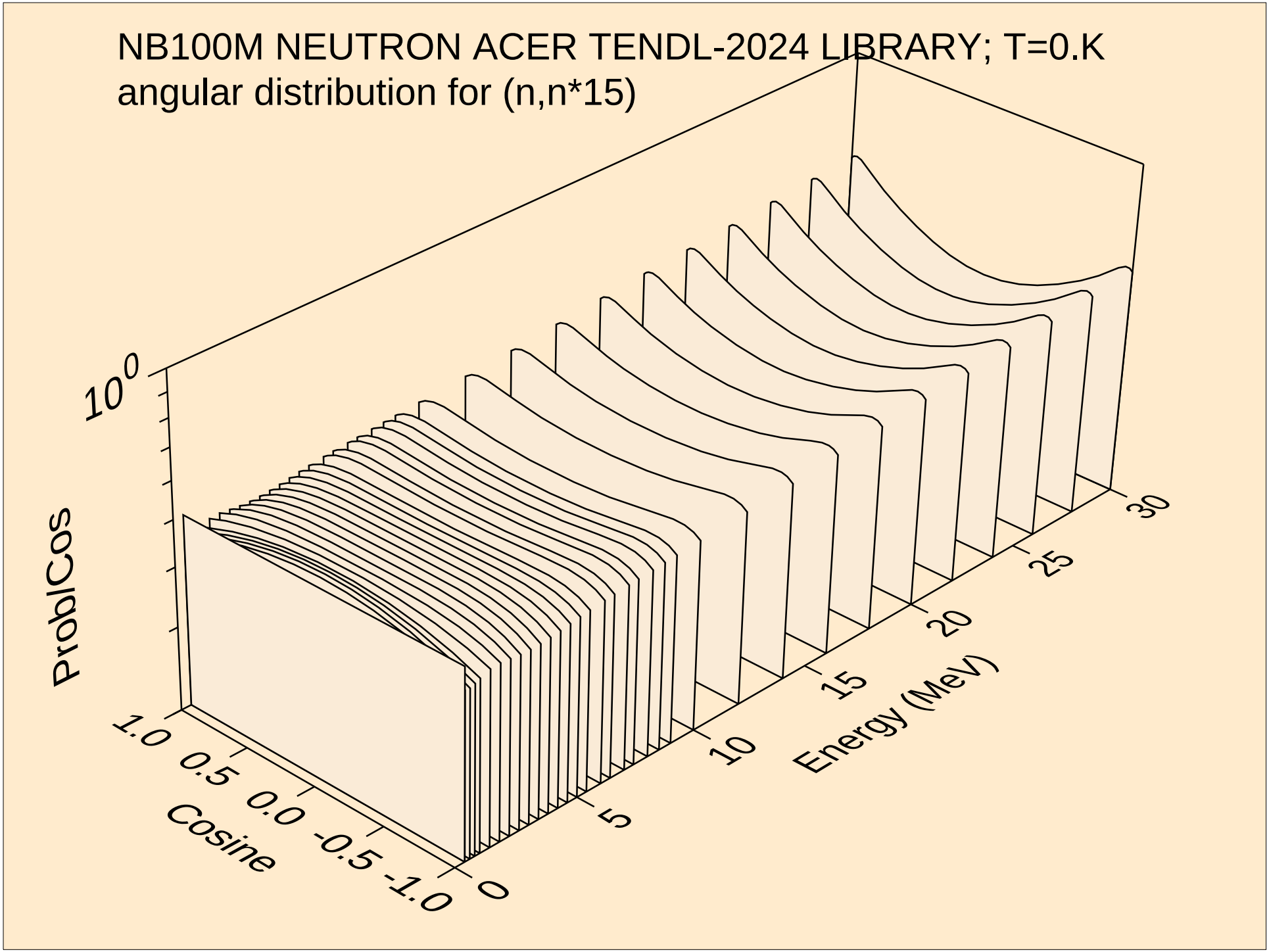

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*10)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

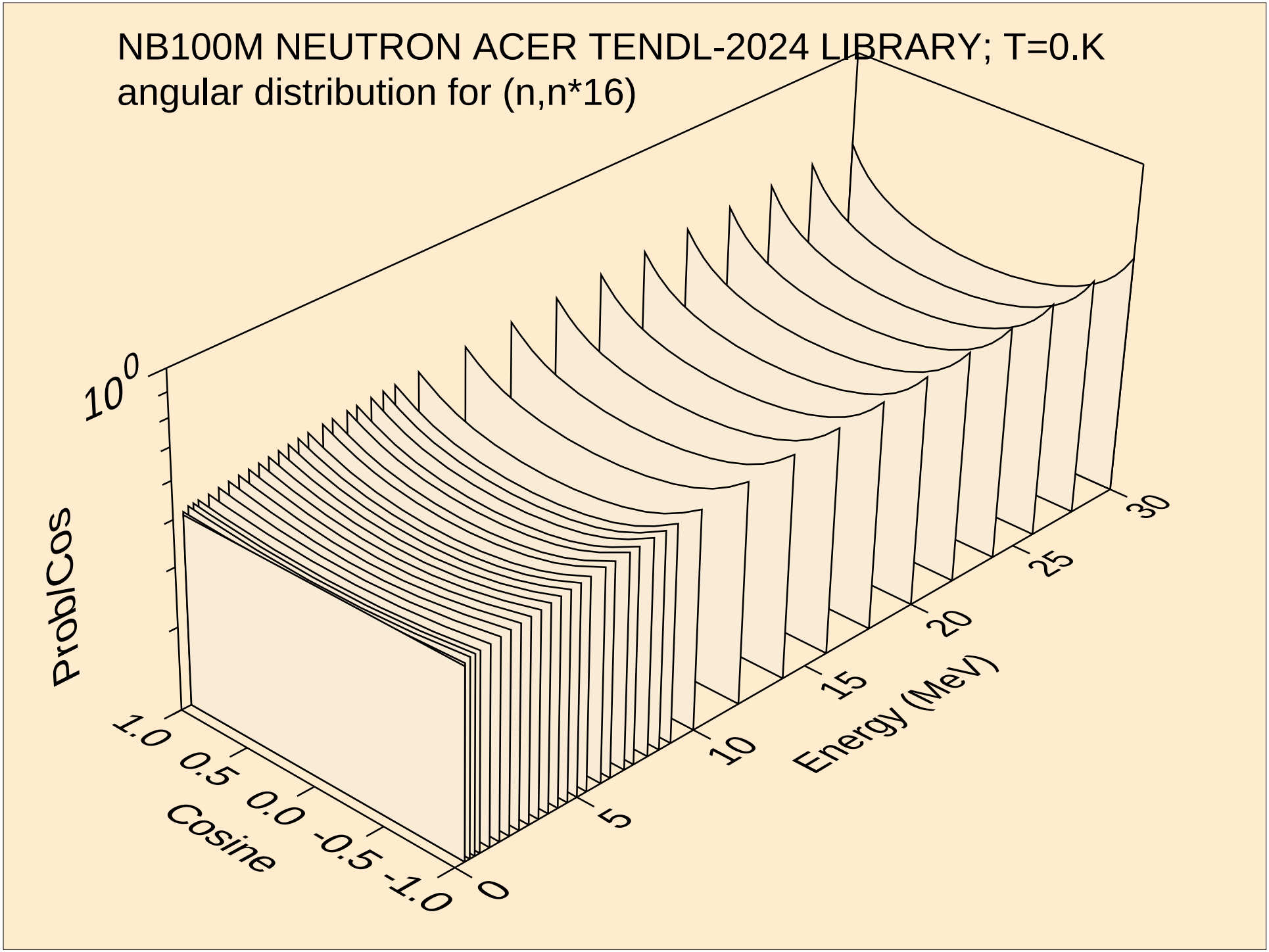

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*11)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

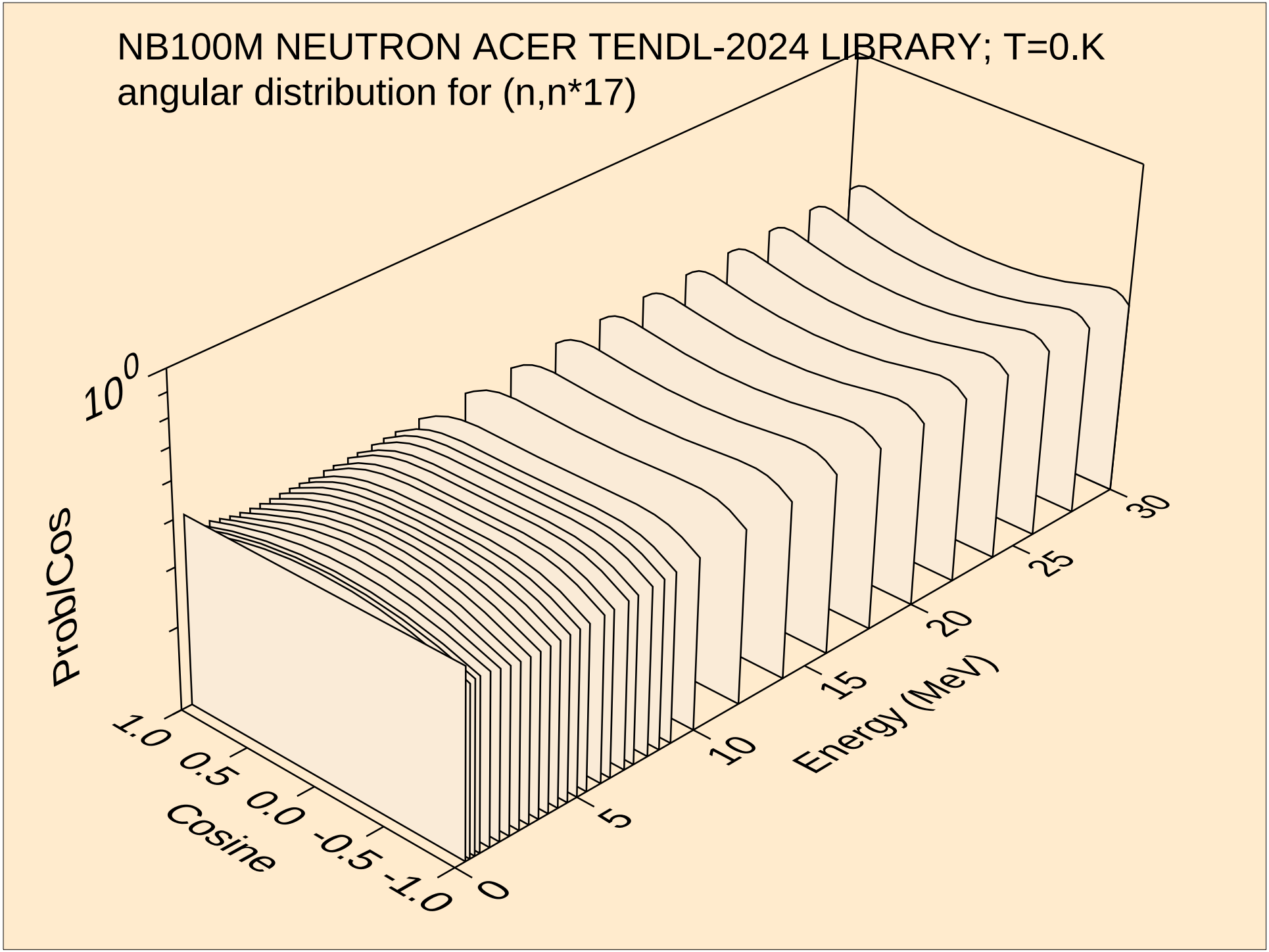

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*12)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

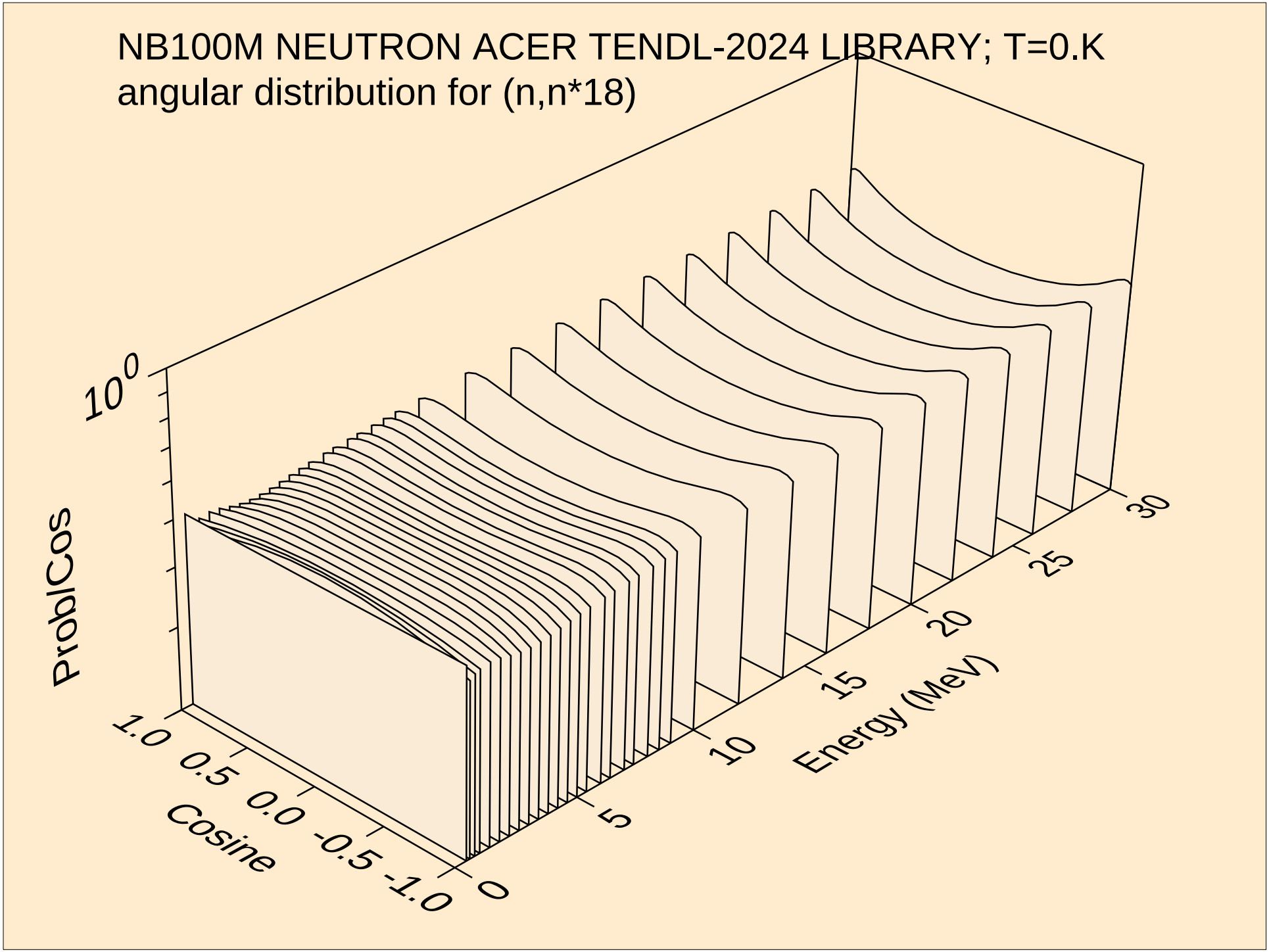

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*13)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

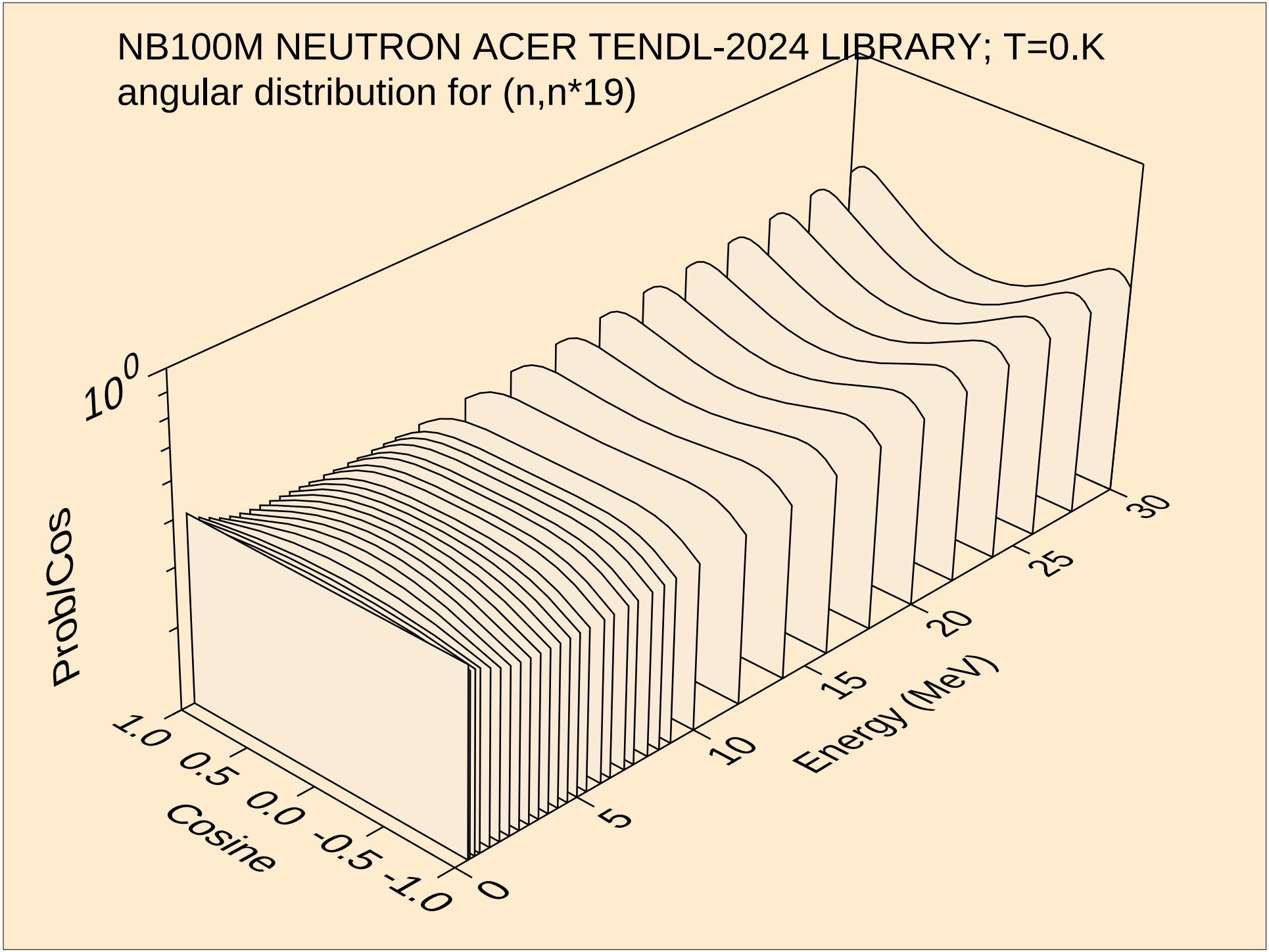

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*14)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

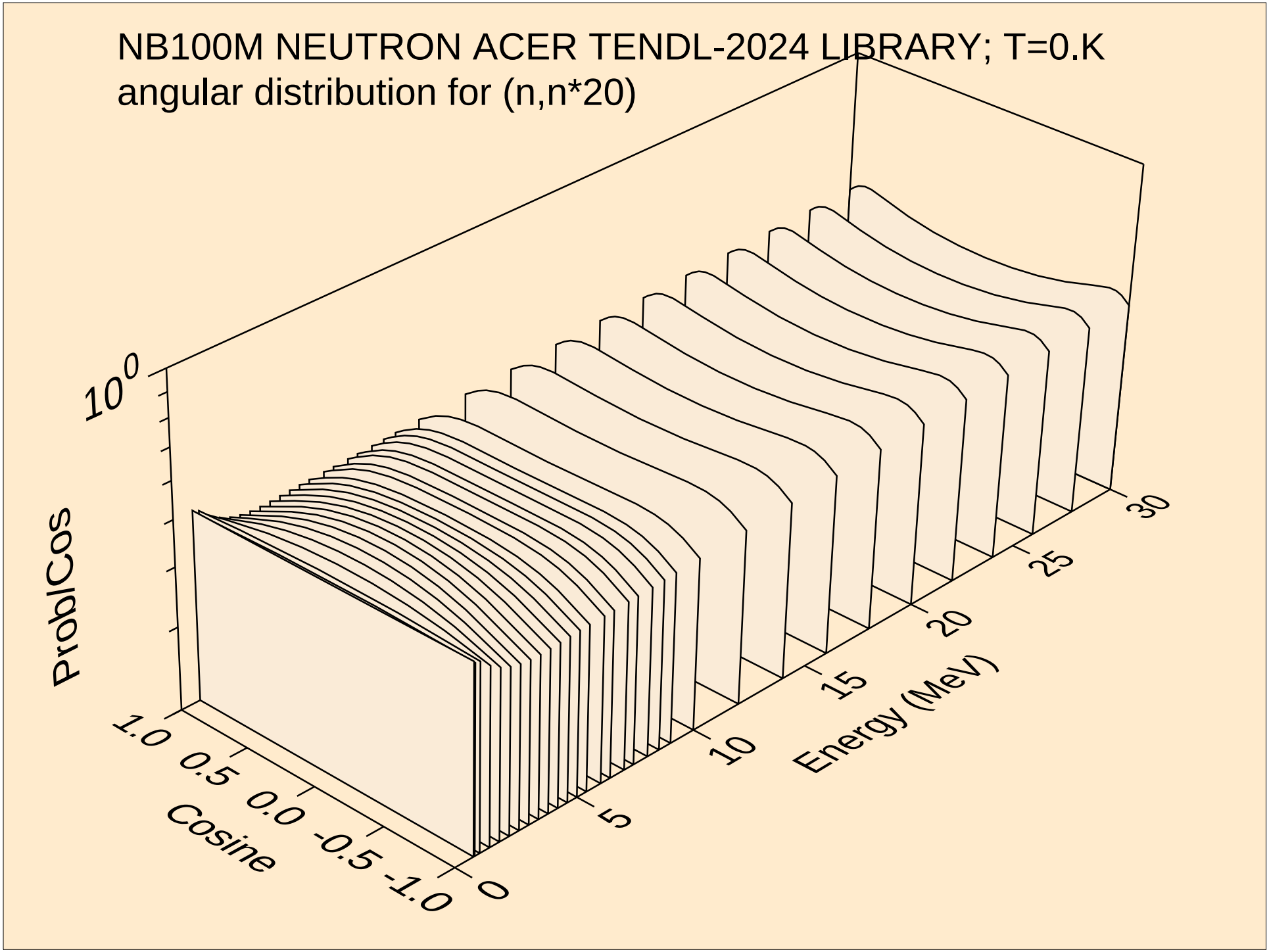

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*15)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

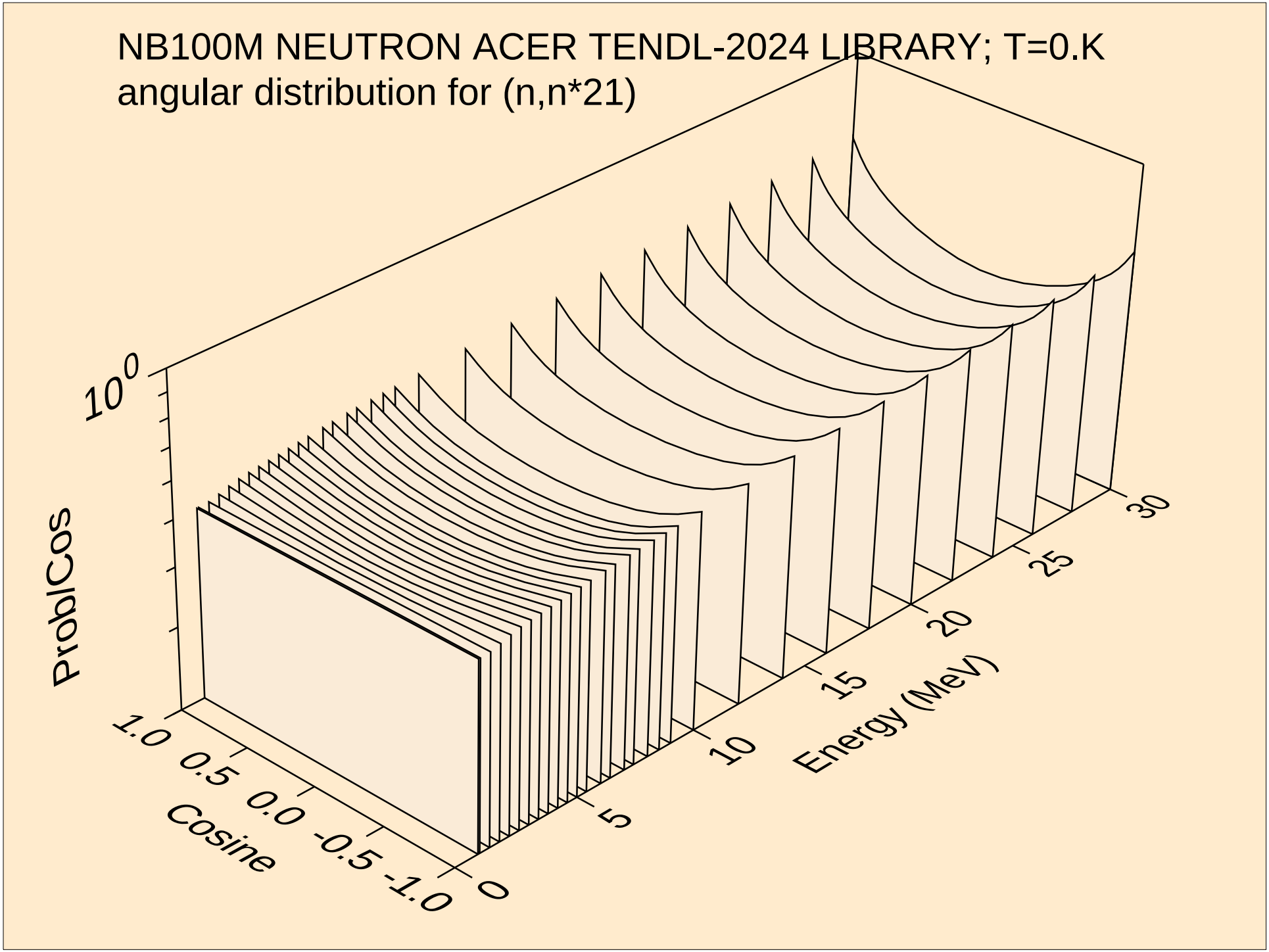

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*16)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

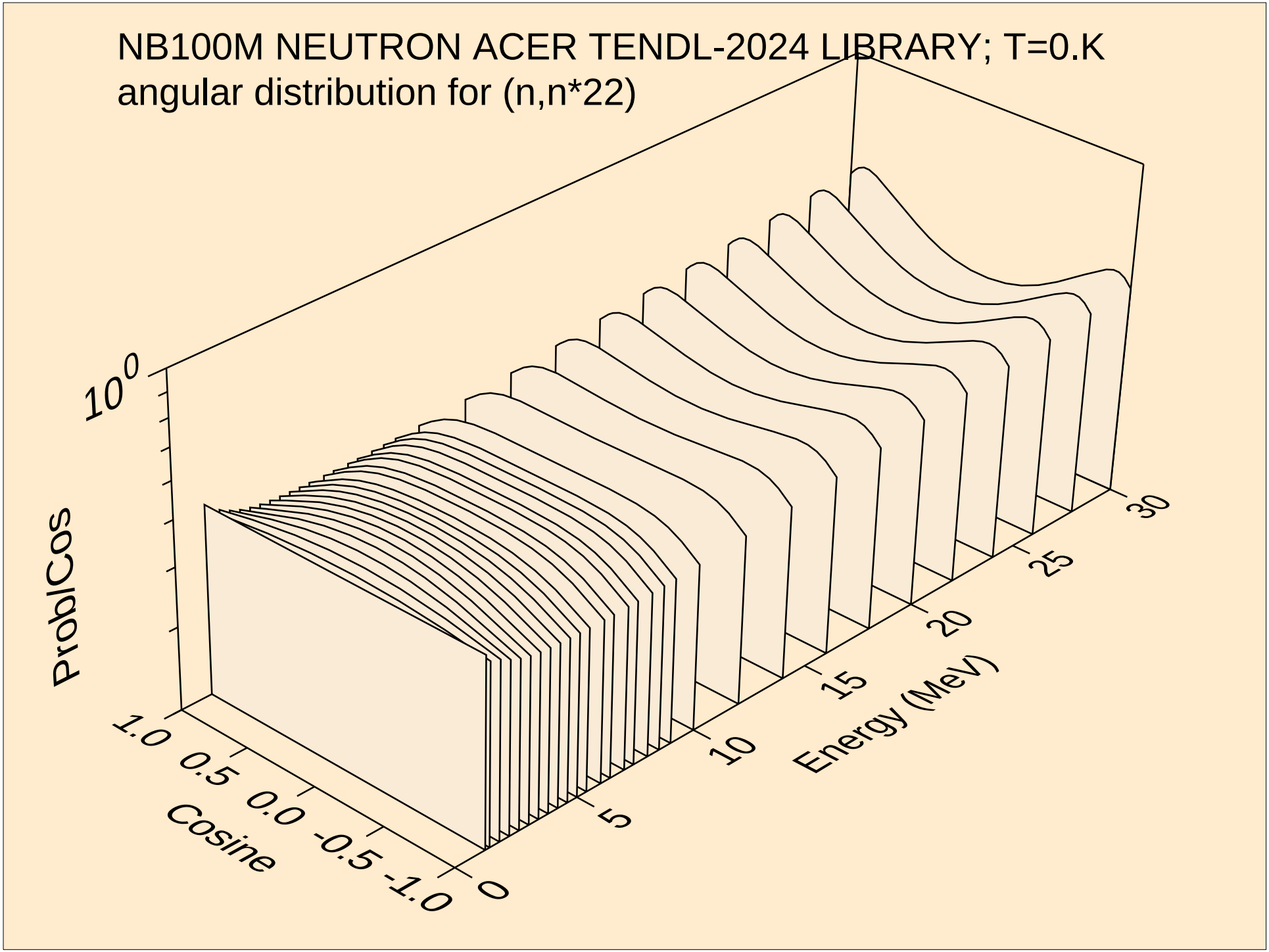

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*17)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

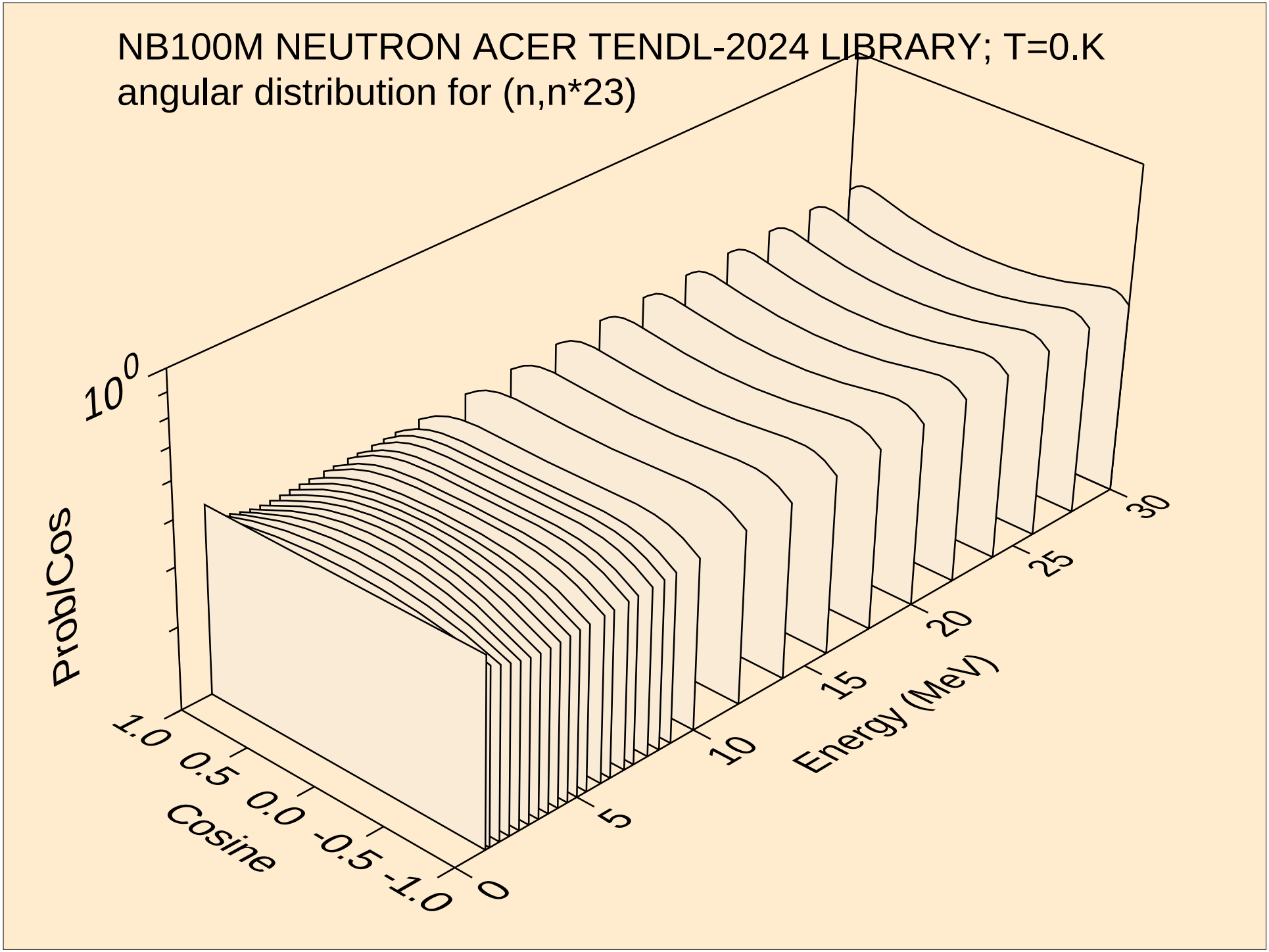

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*18)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

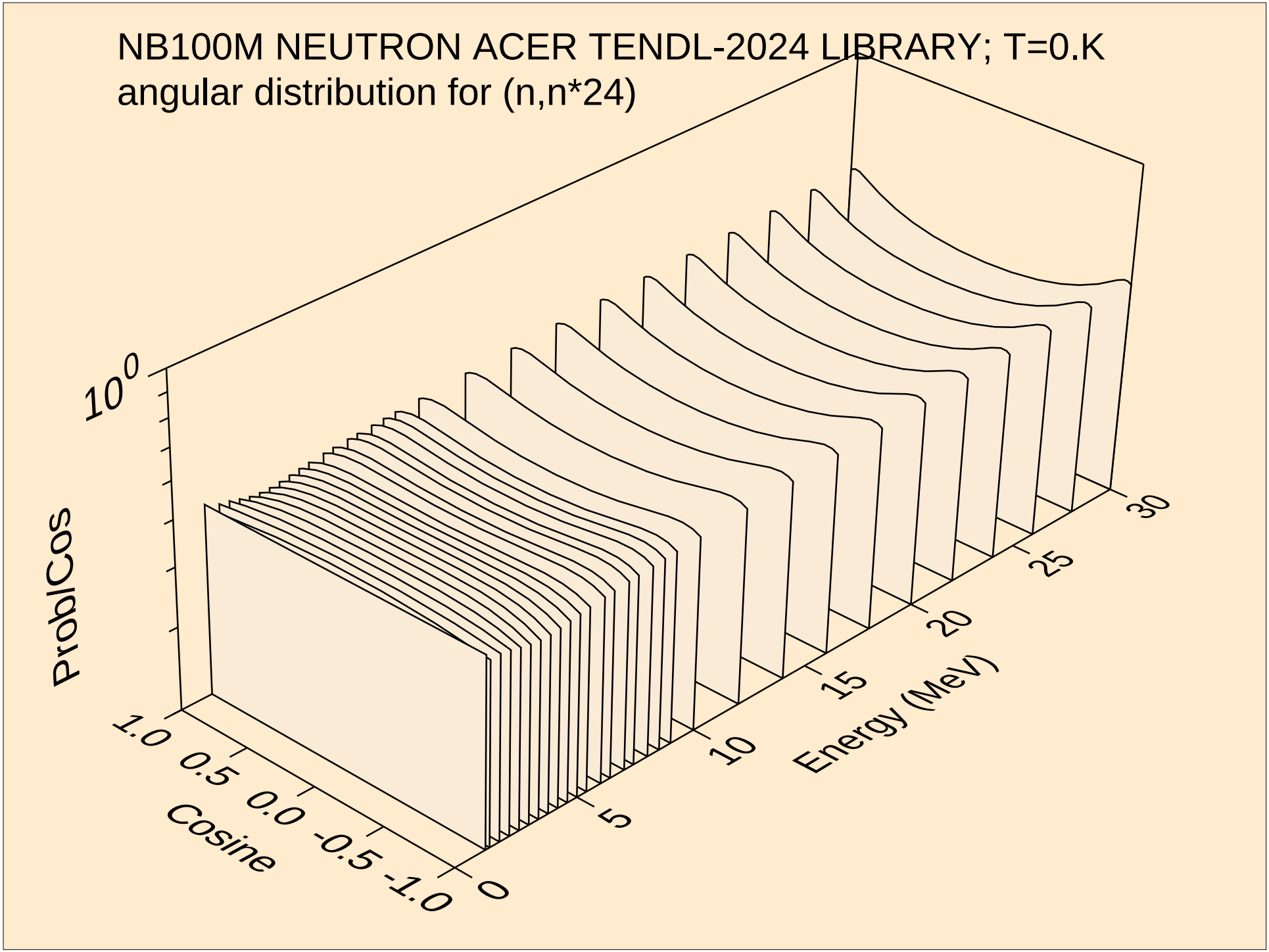

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*19)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

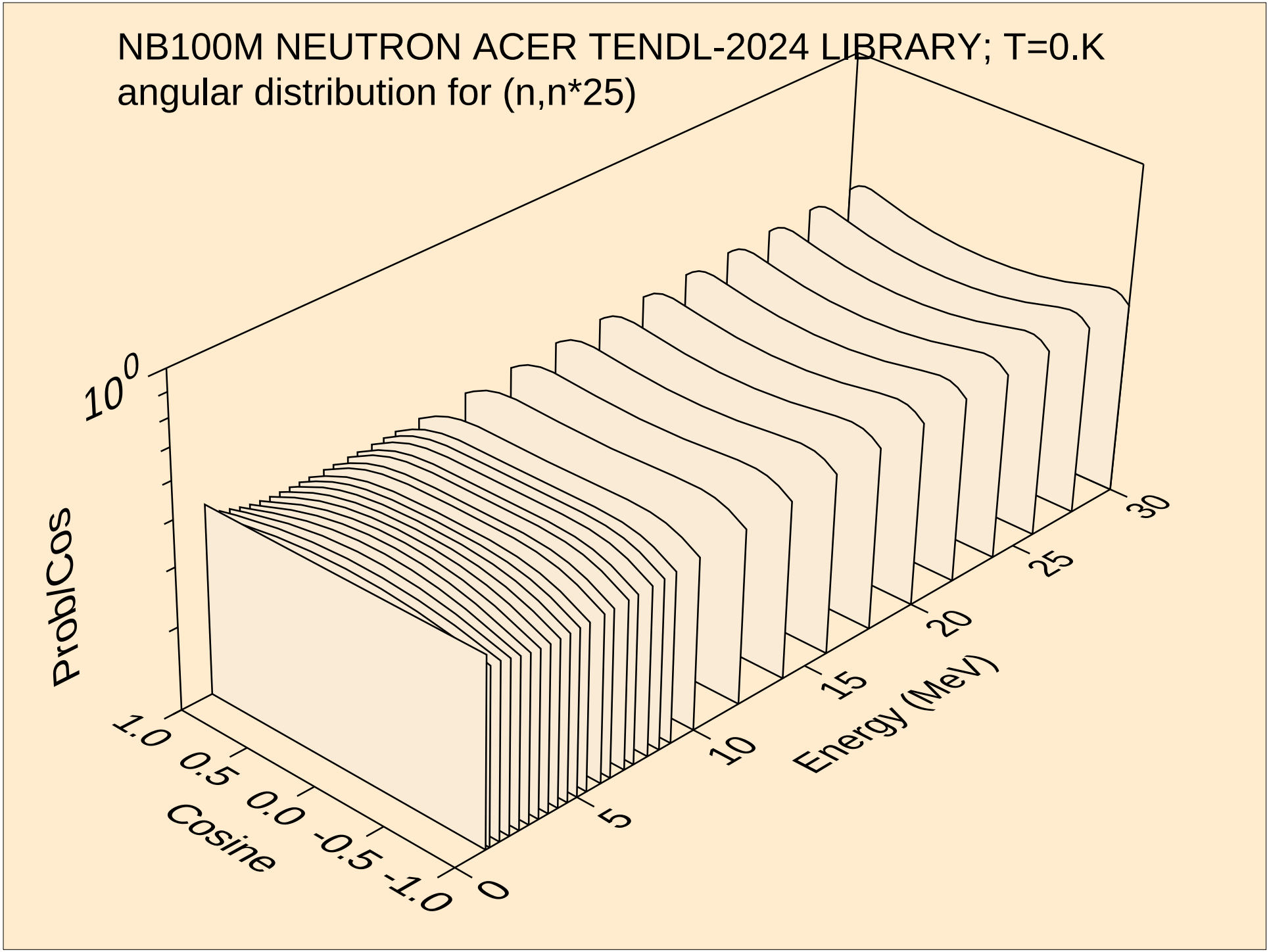

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*20)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

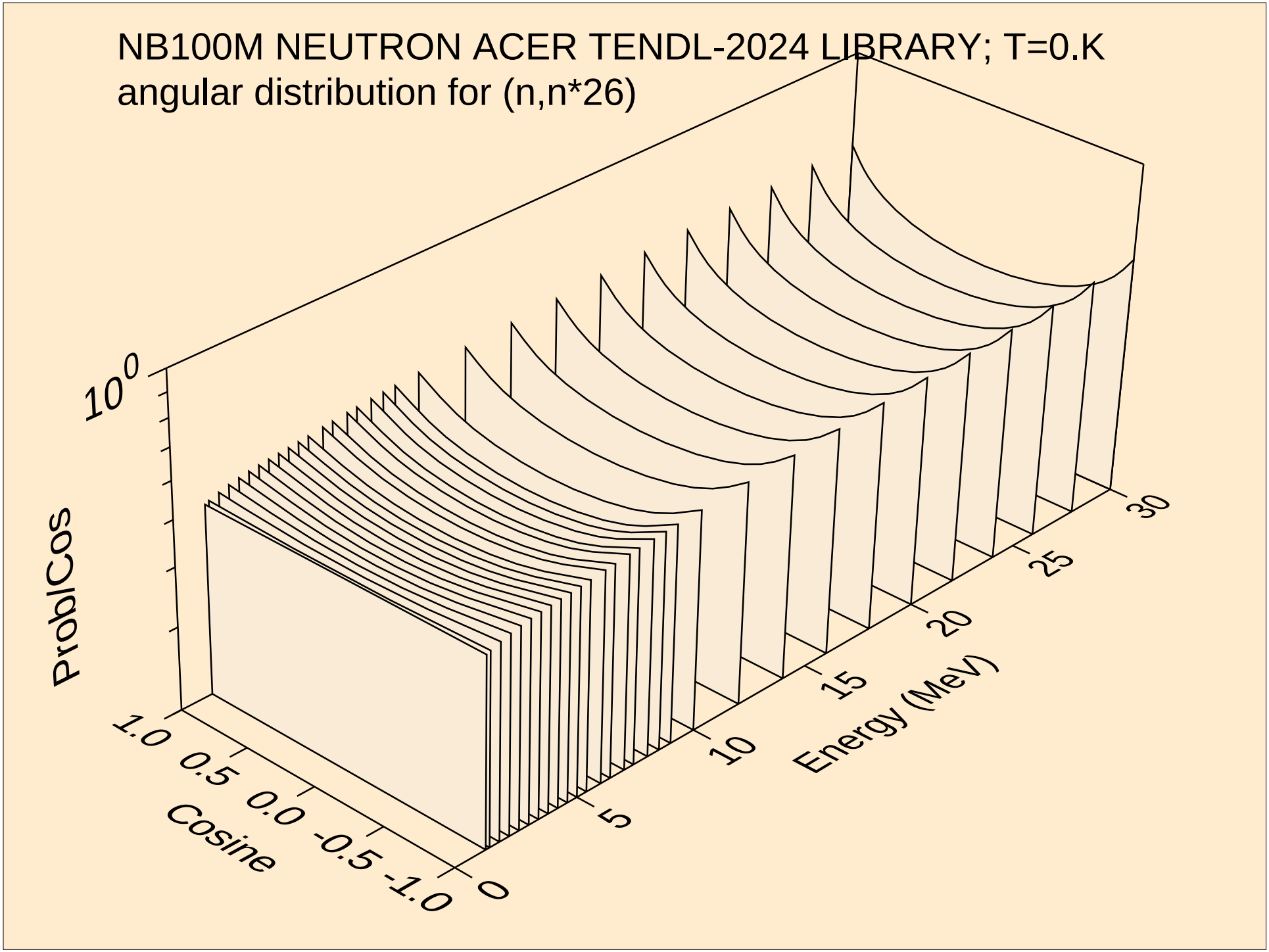

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*21)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

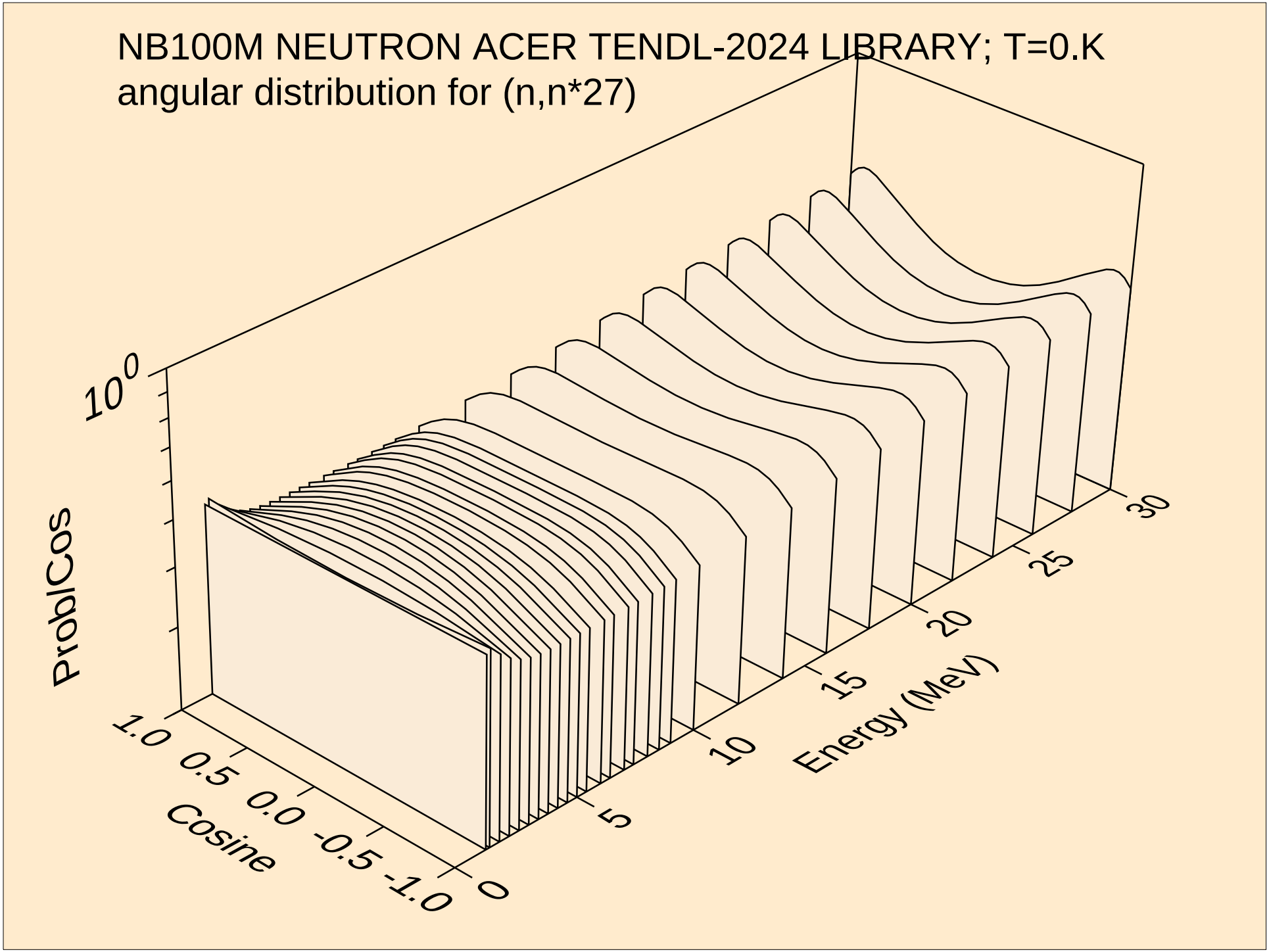

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*22)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

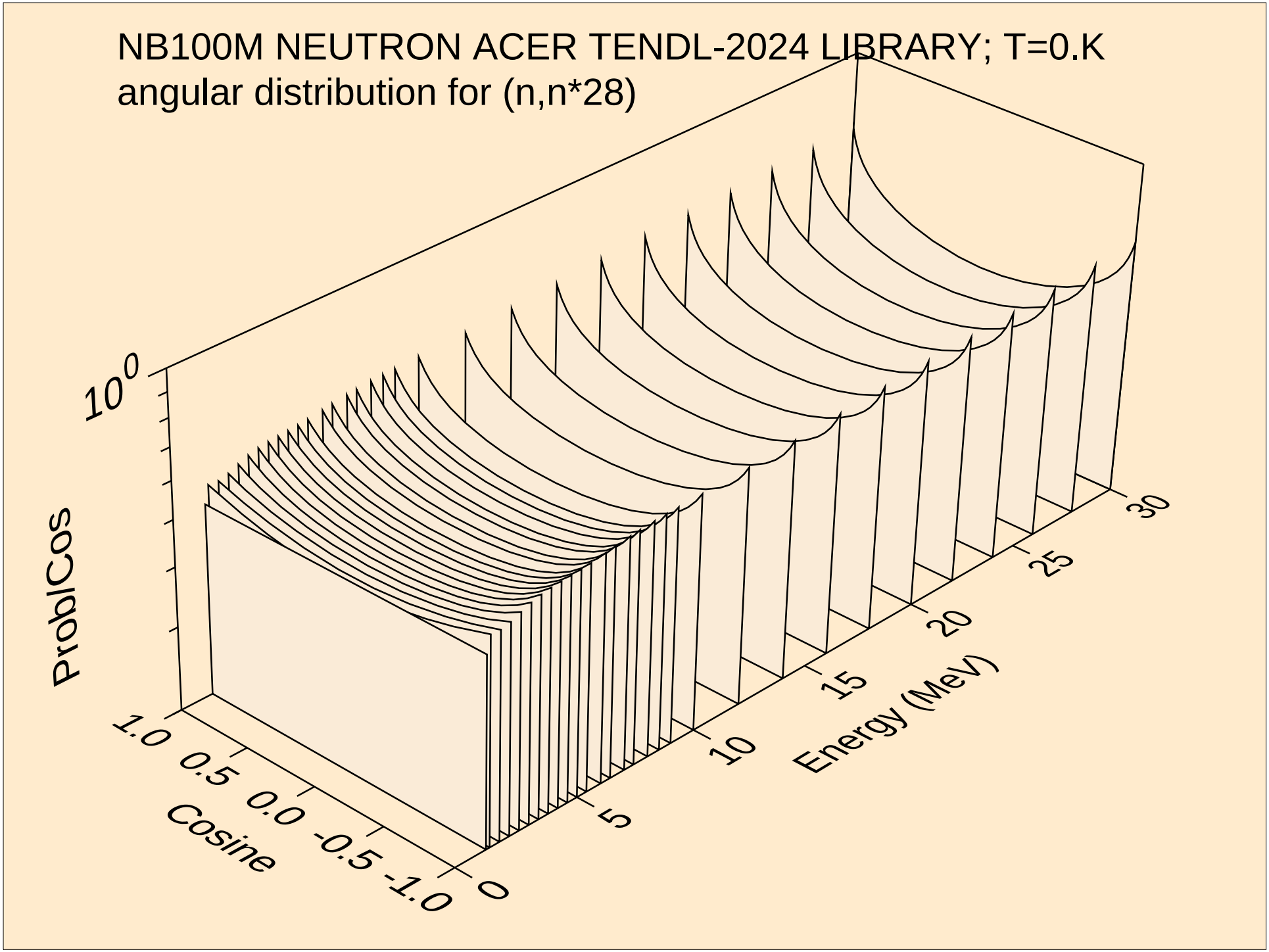

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*23)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

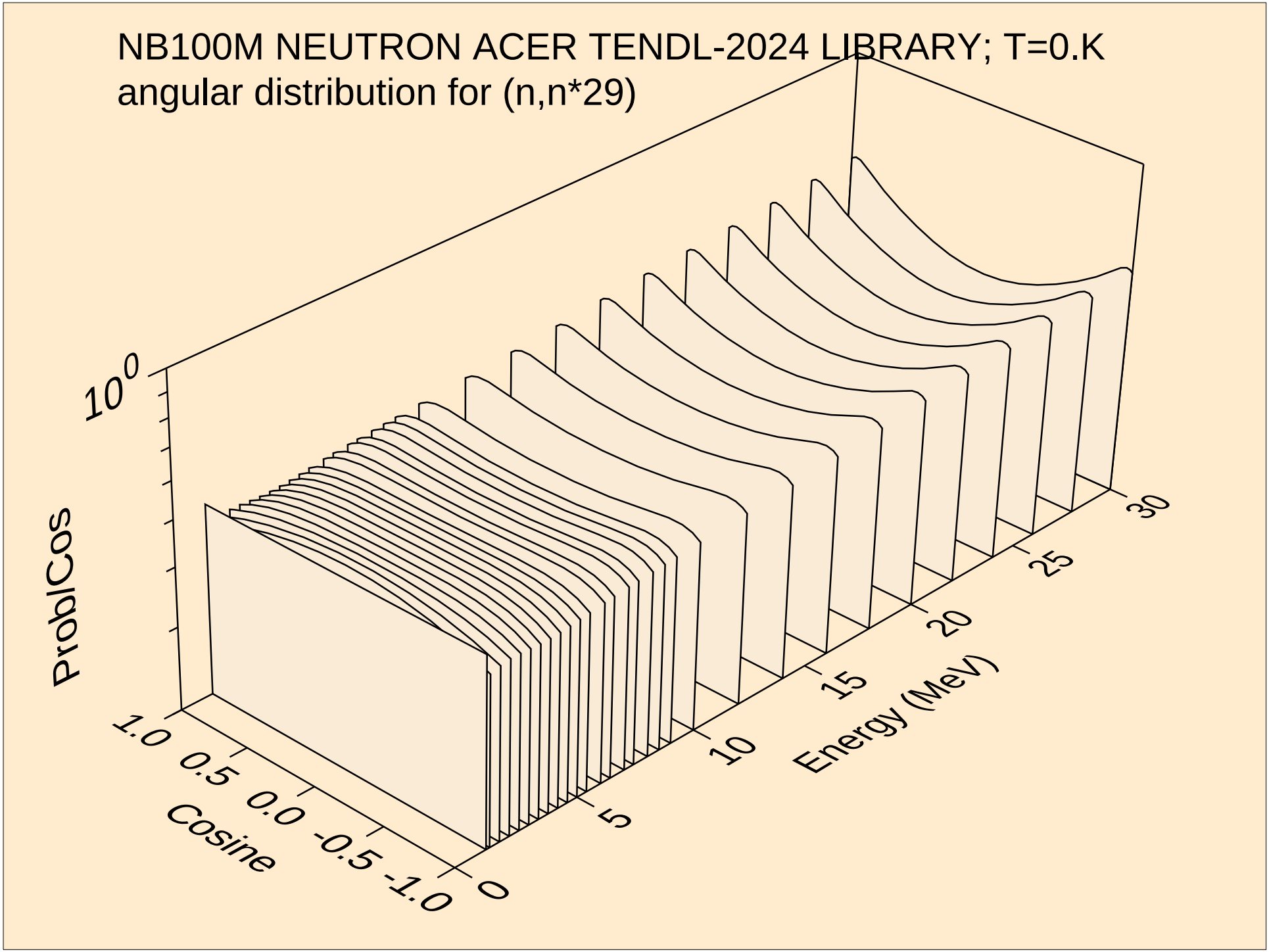

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*24)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

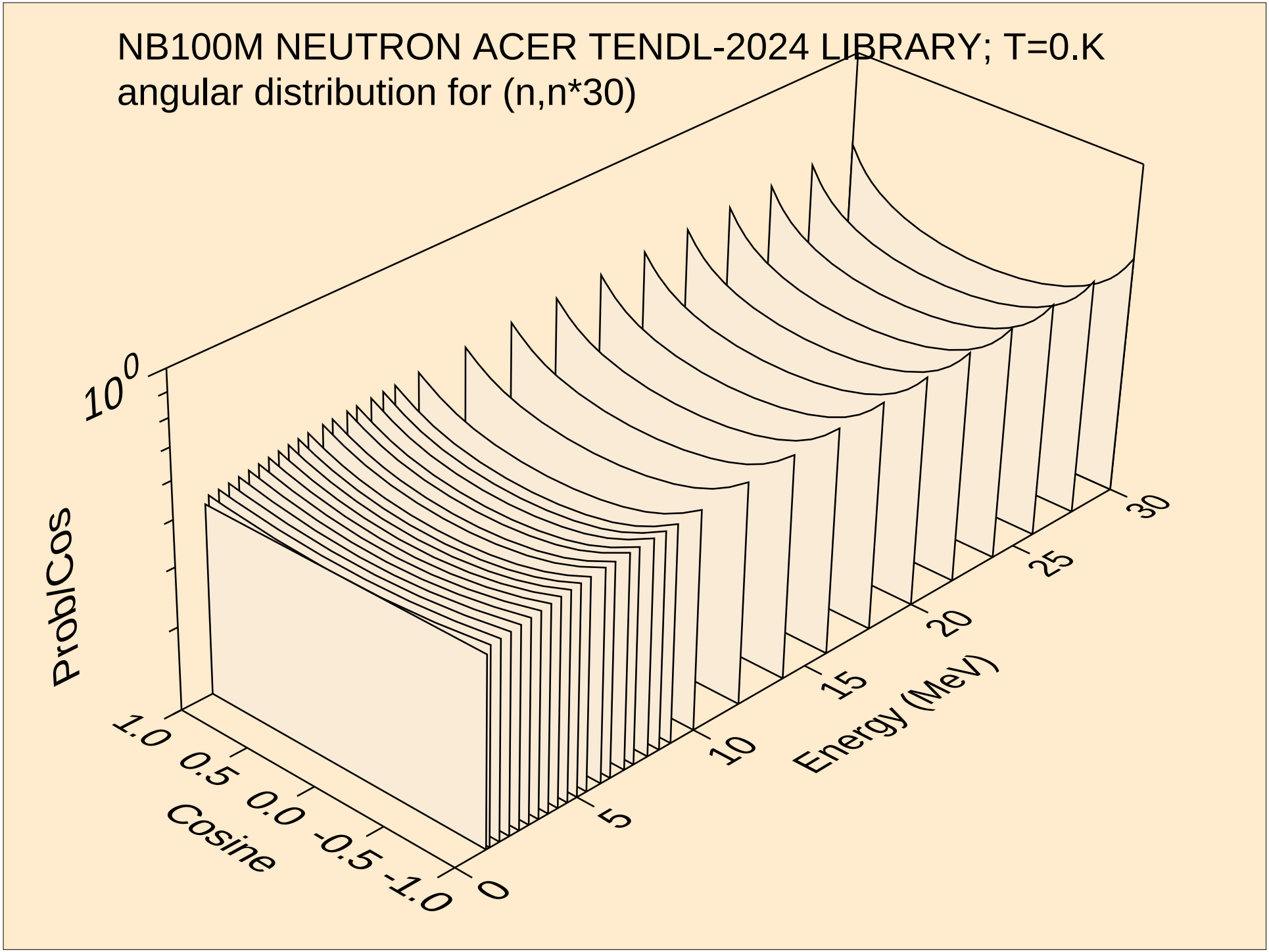

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*25)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

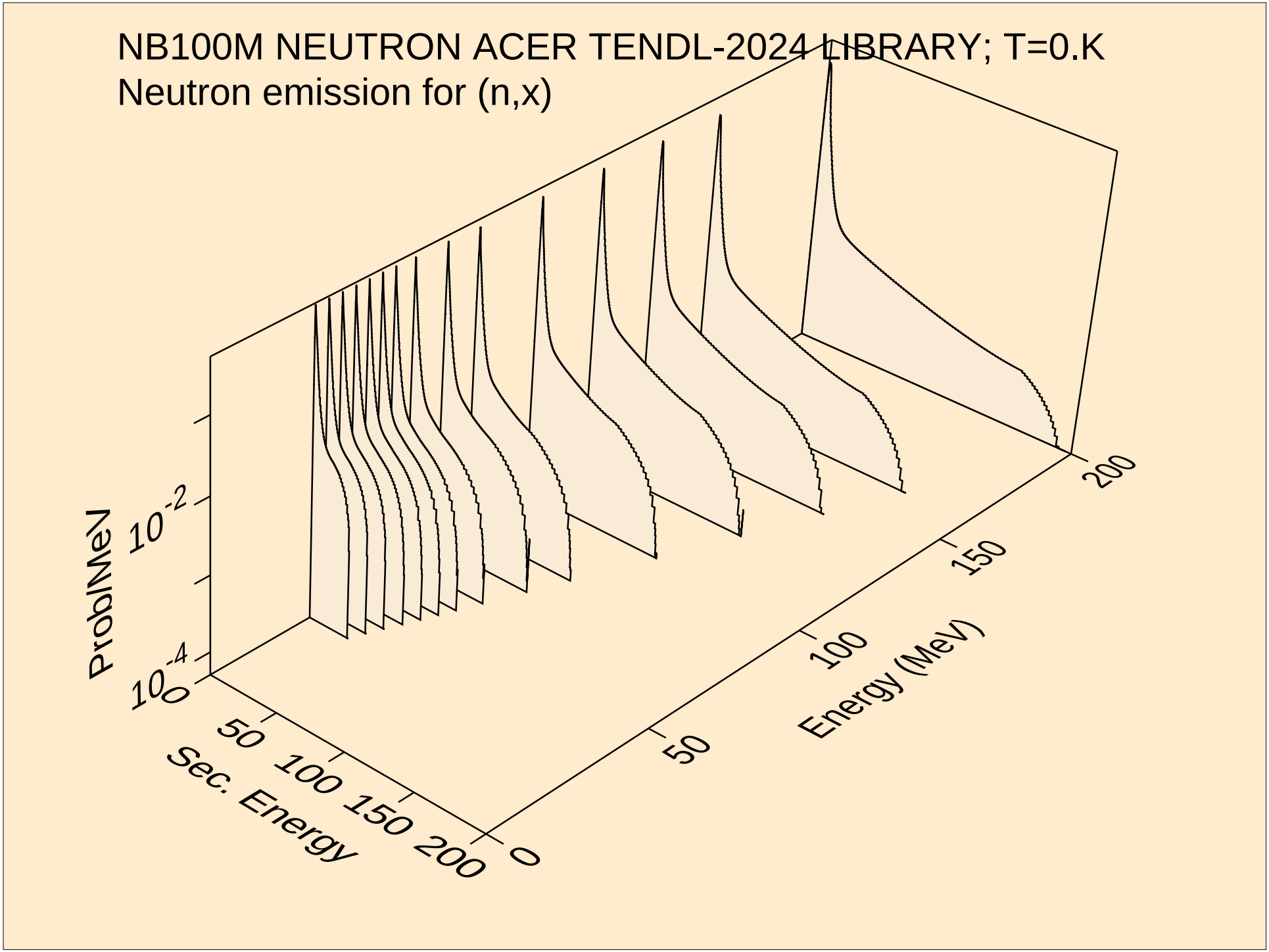

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*26)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

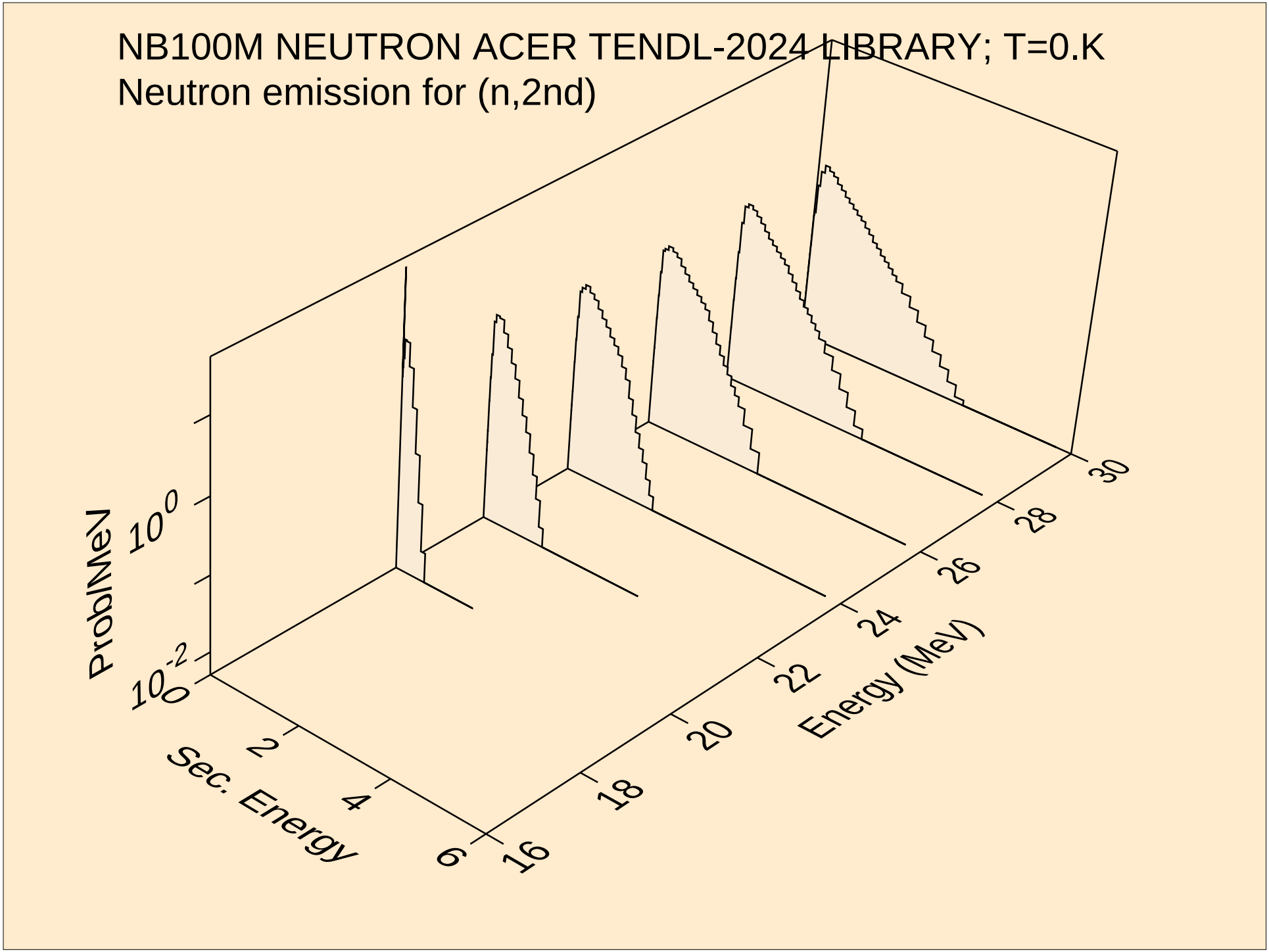

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*27)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

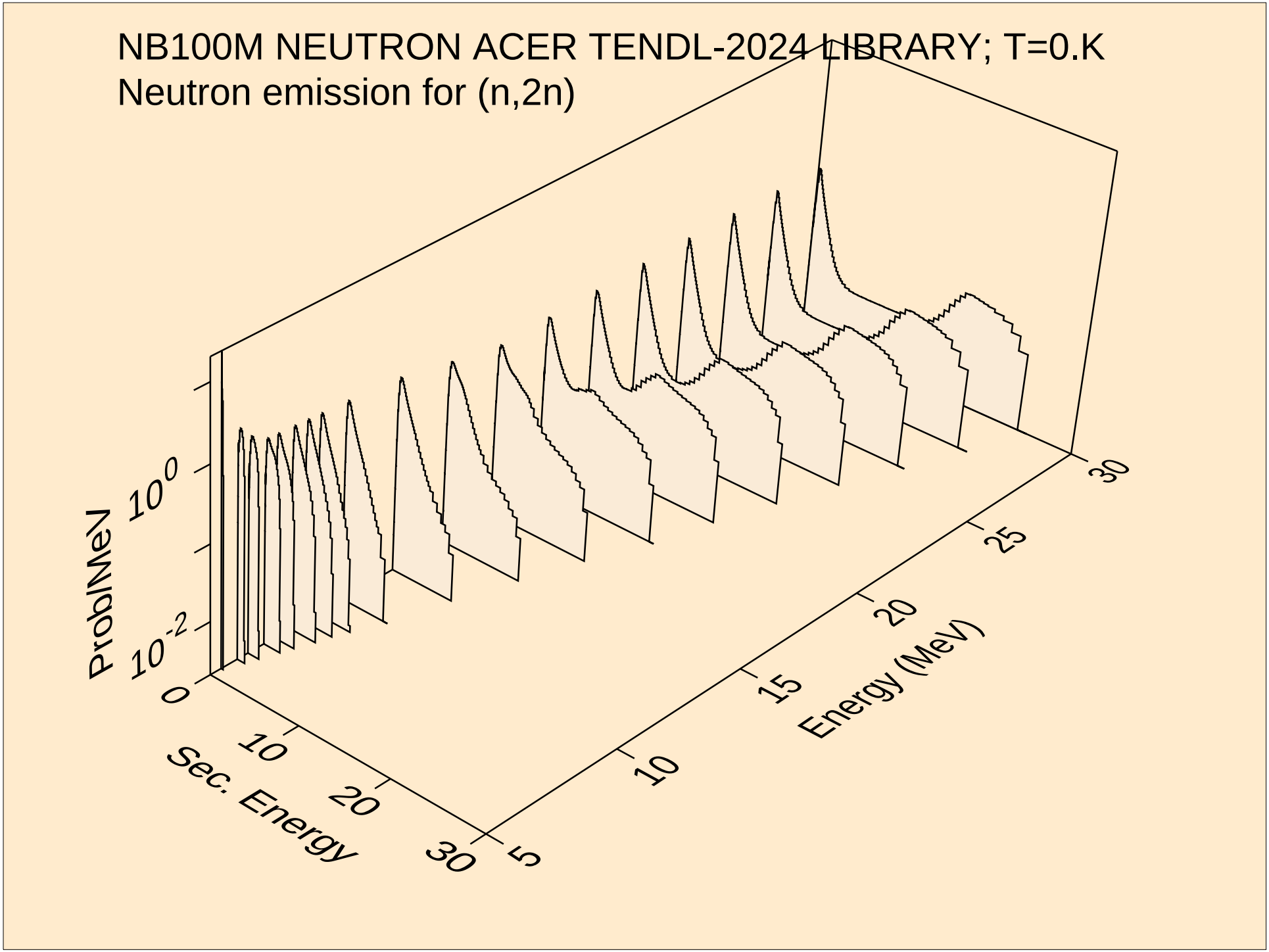

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*28)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

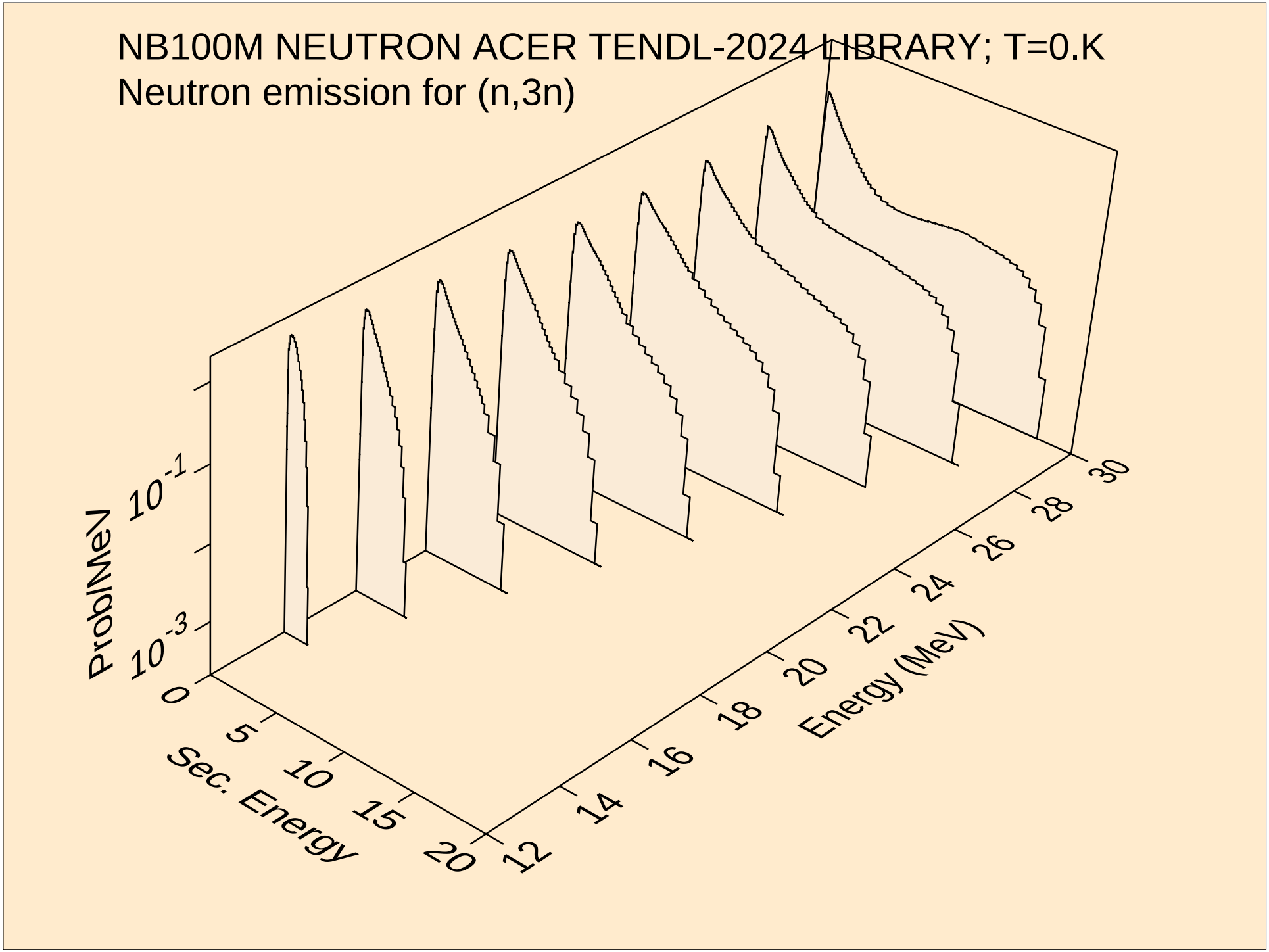

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*29)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

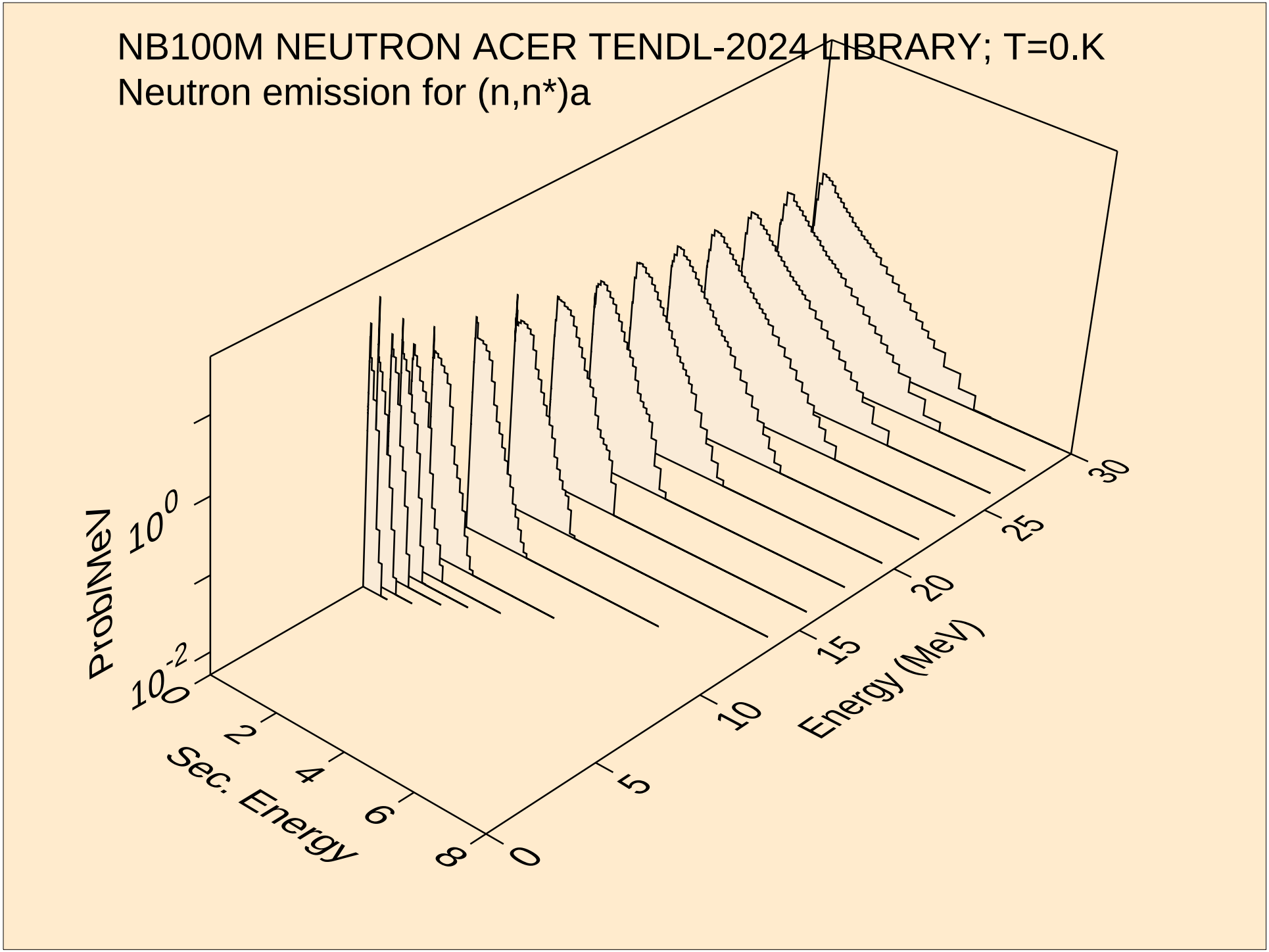

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*30)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

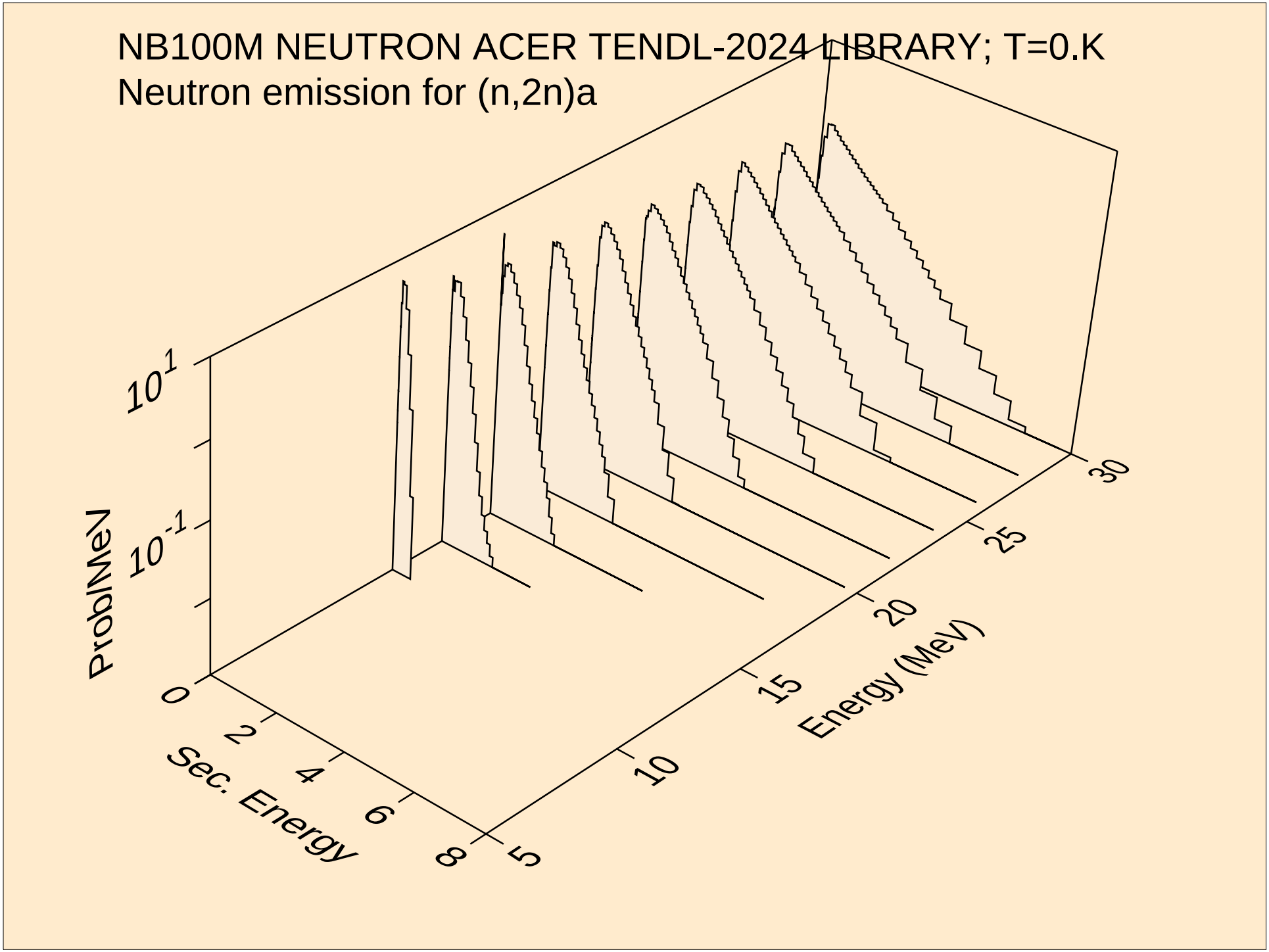

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,x)
Prob/MeV
10-2
10-4
0
50
100
150
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

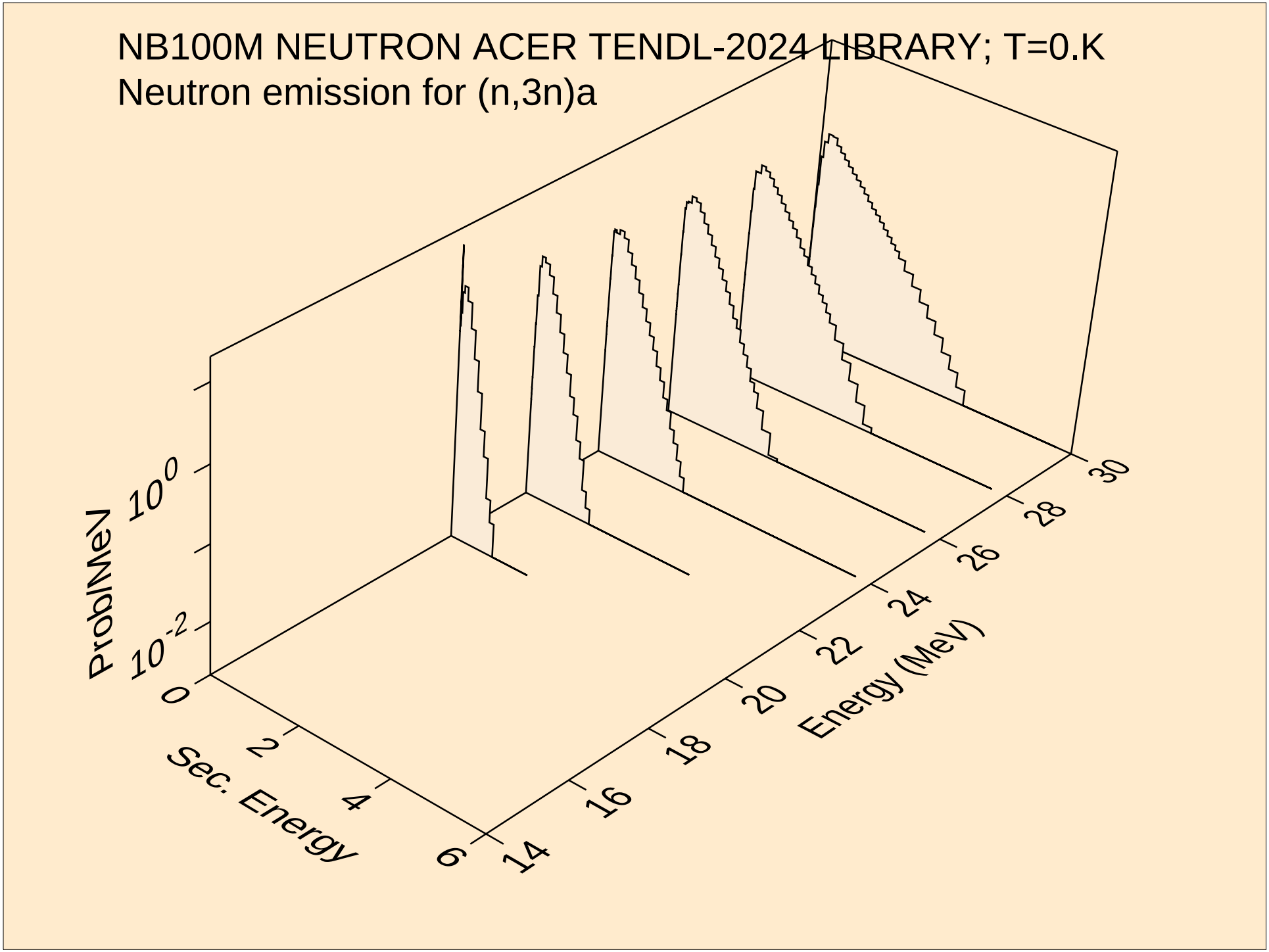

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2nd)
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
Sec. Energy
16
18
20
22
24
26
28
30
Energy (MeV)

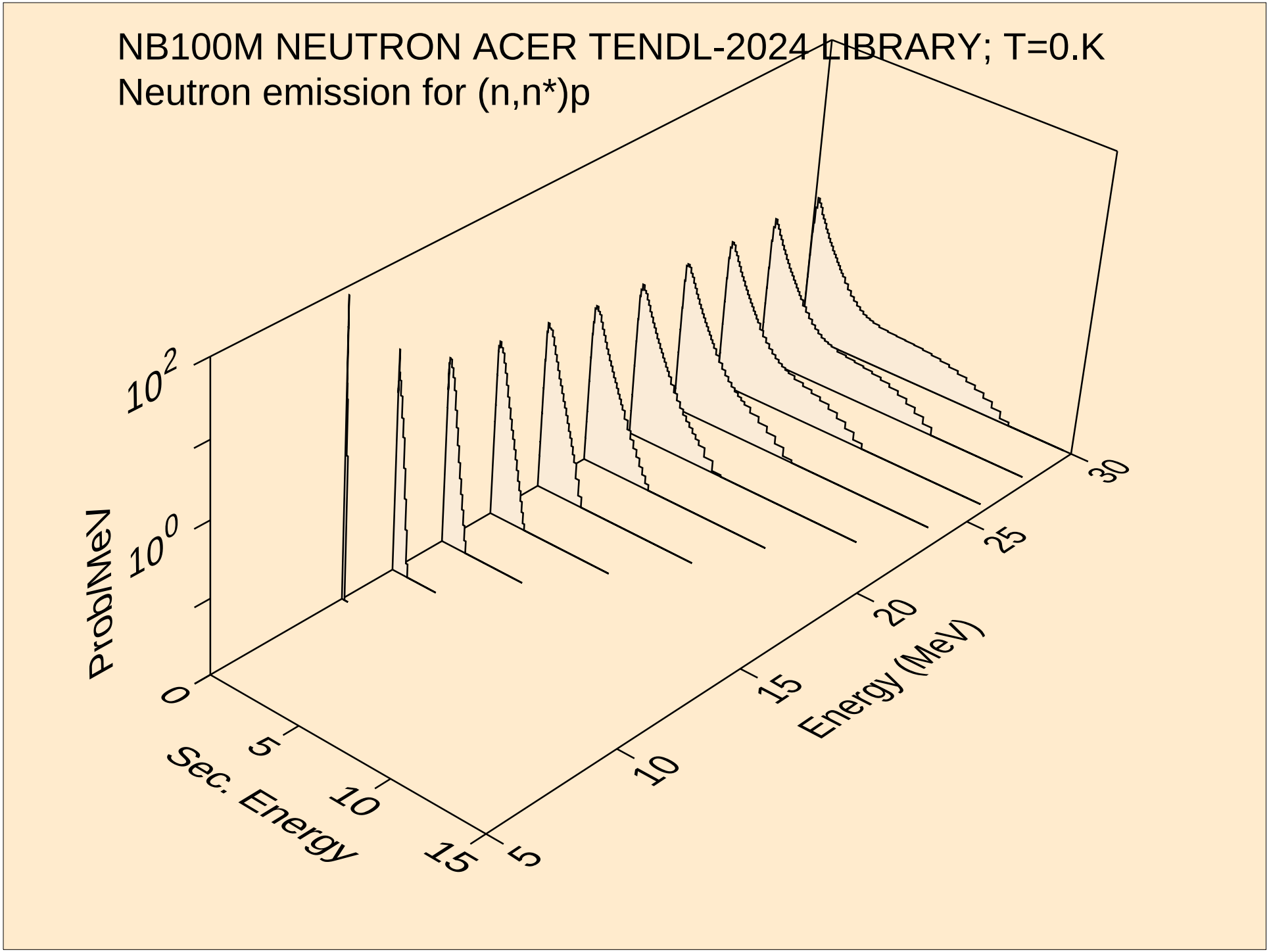

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)
Prob/MeV
10^{0}
10^{-2}
0
10
20
30
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

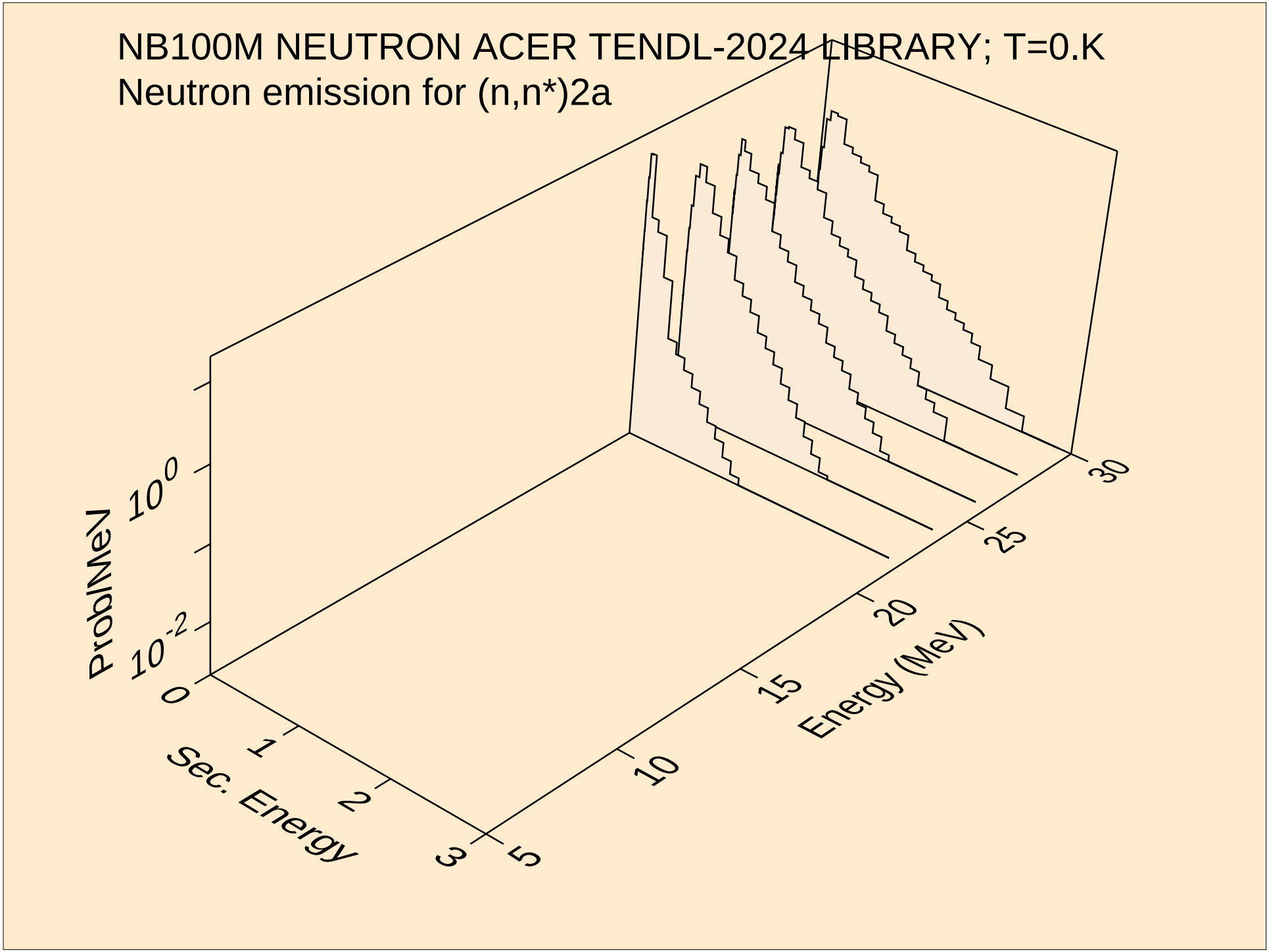

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0
5
10
15
20
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

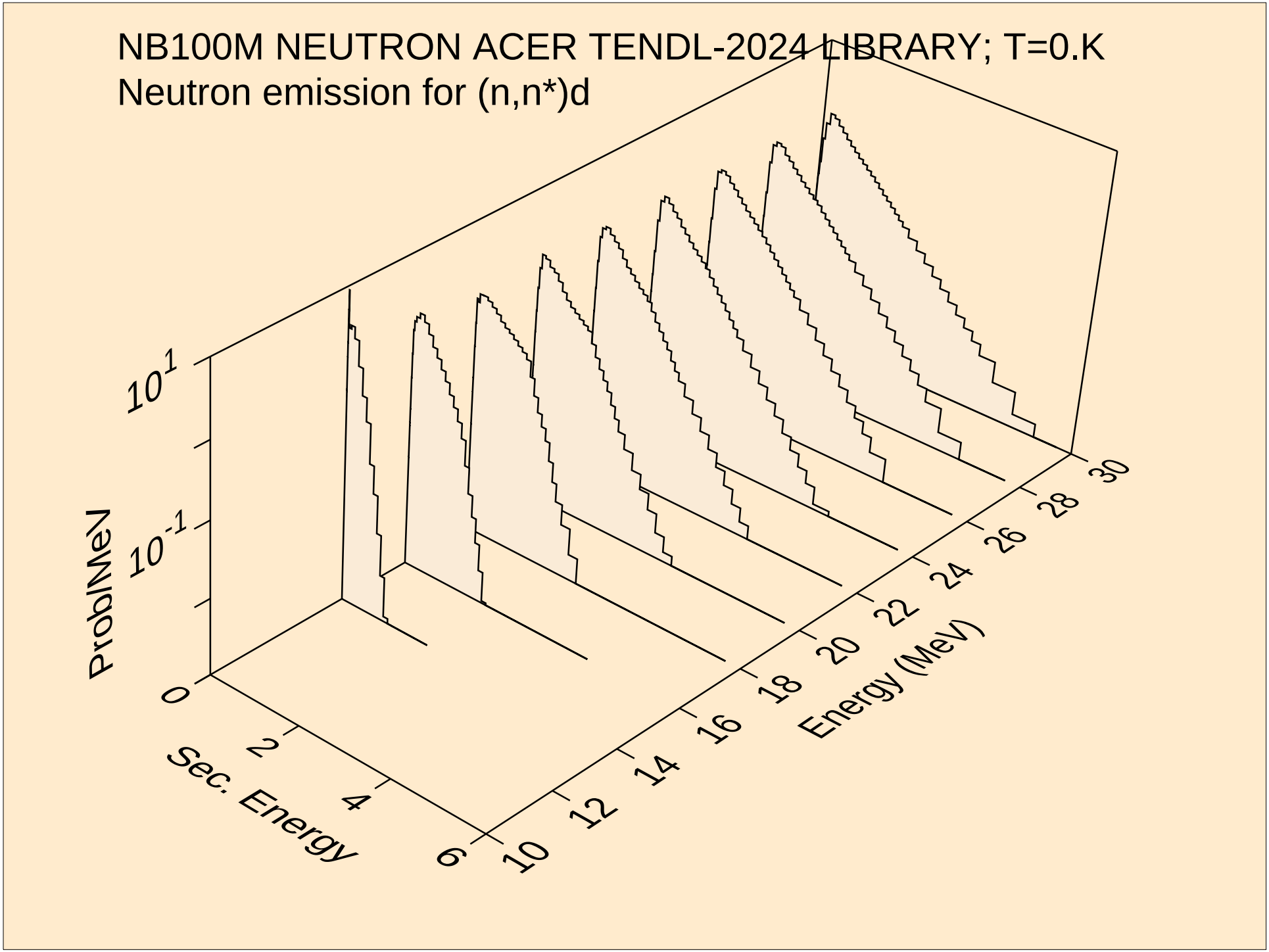

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)a
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
8
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

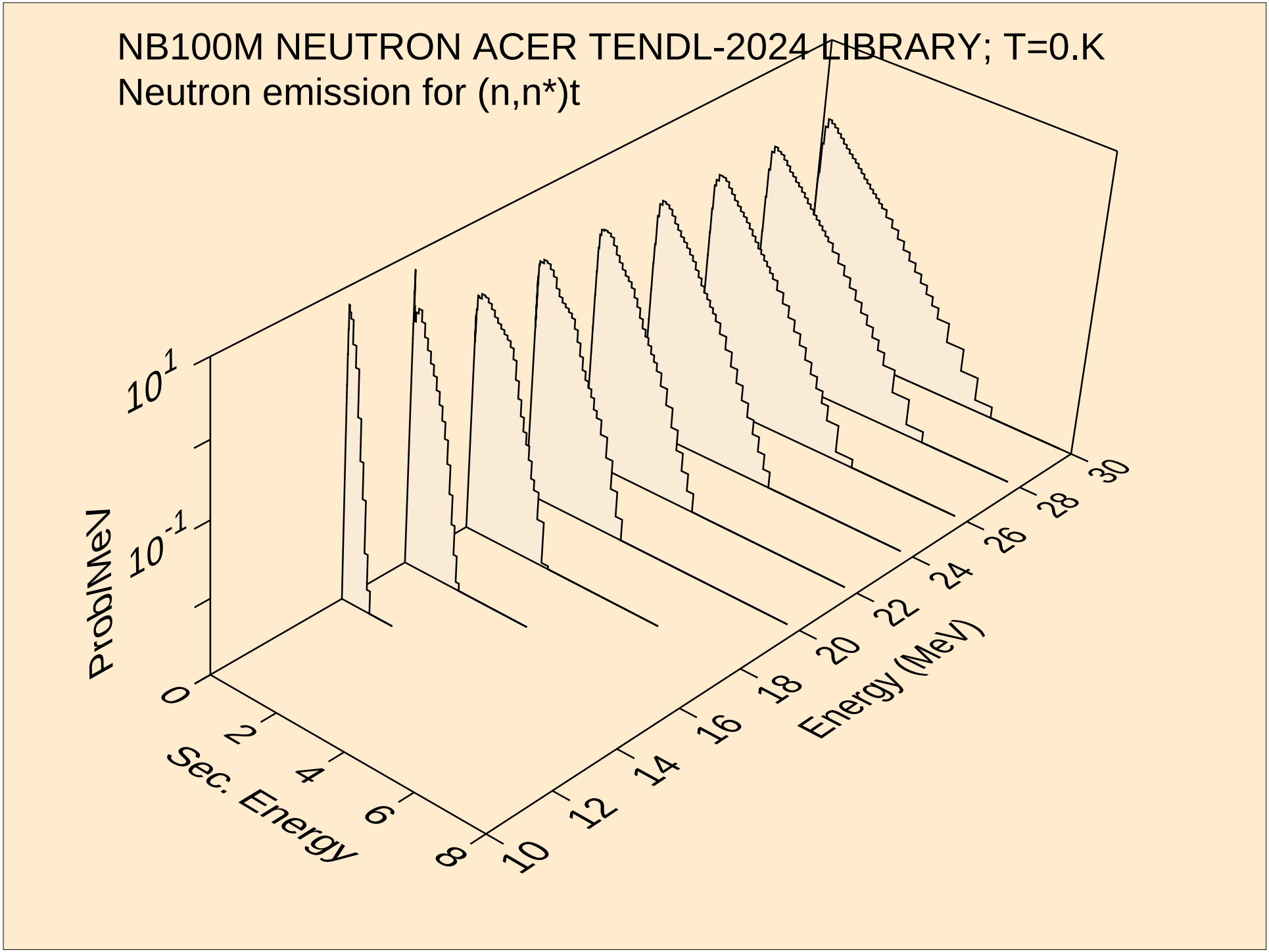

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)a
Prob/MeV
10^1
10^-1
0
2
4
6
8
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

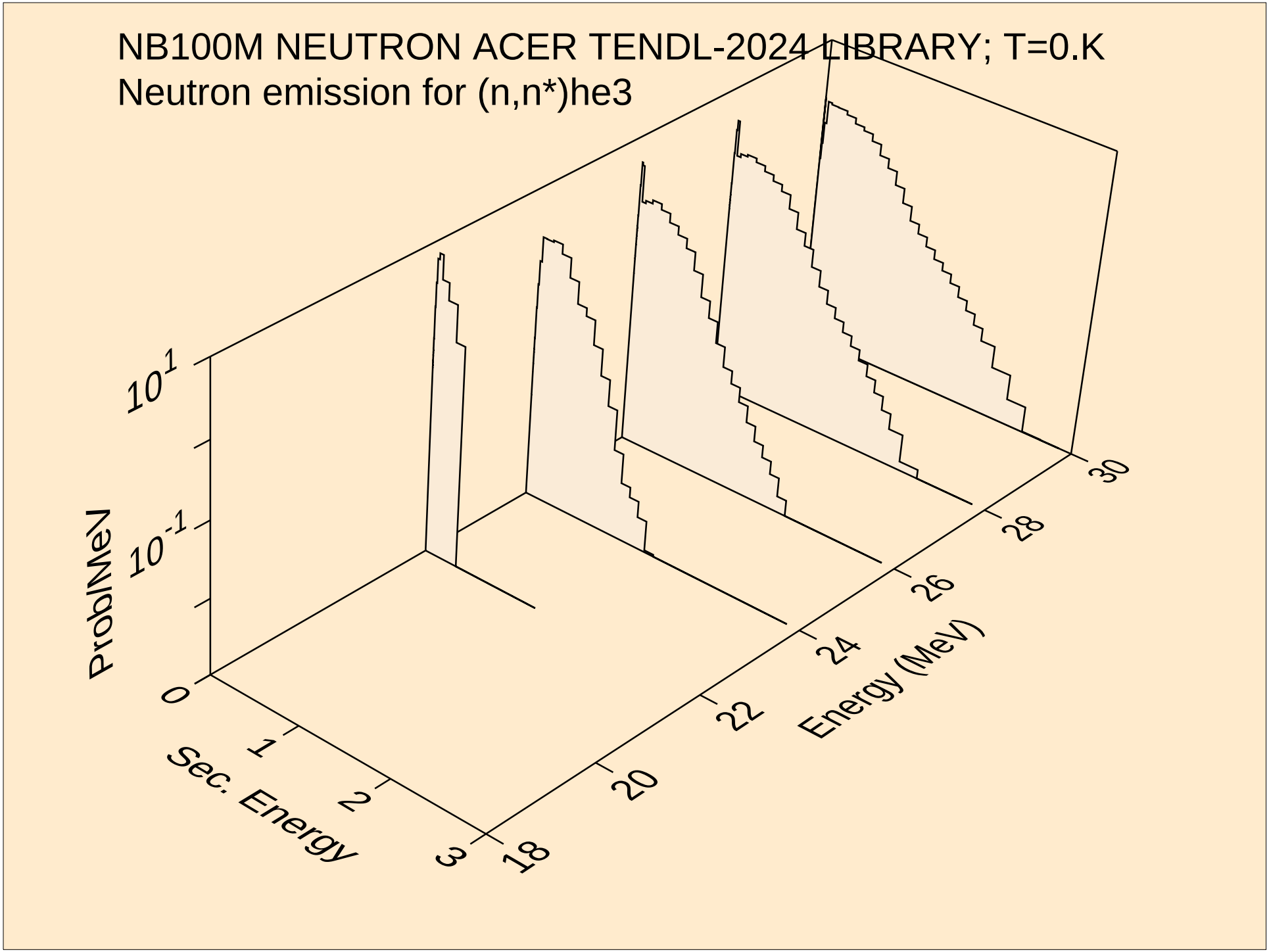

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3n)a
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

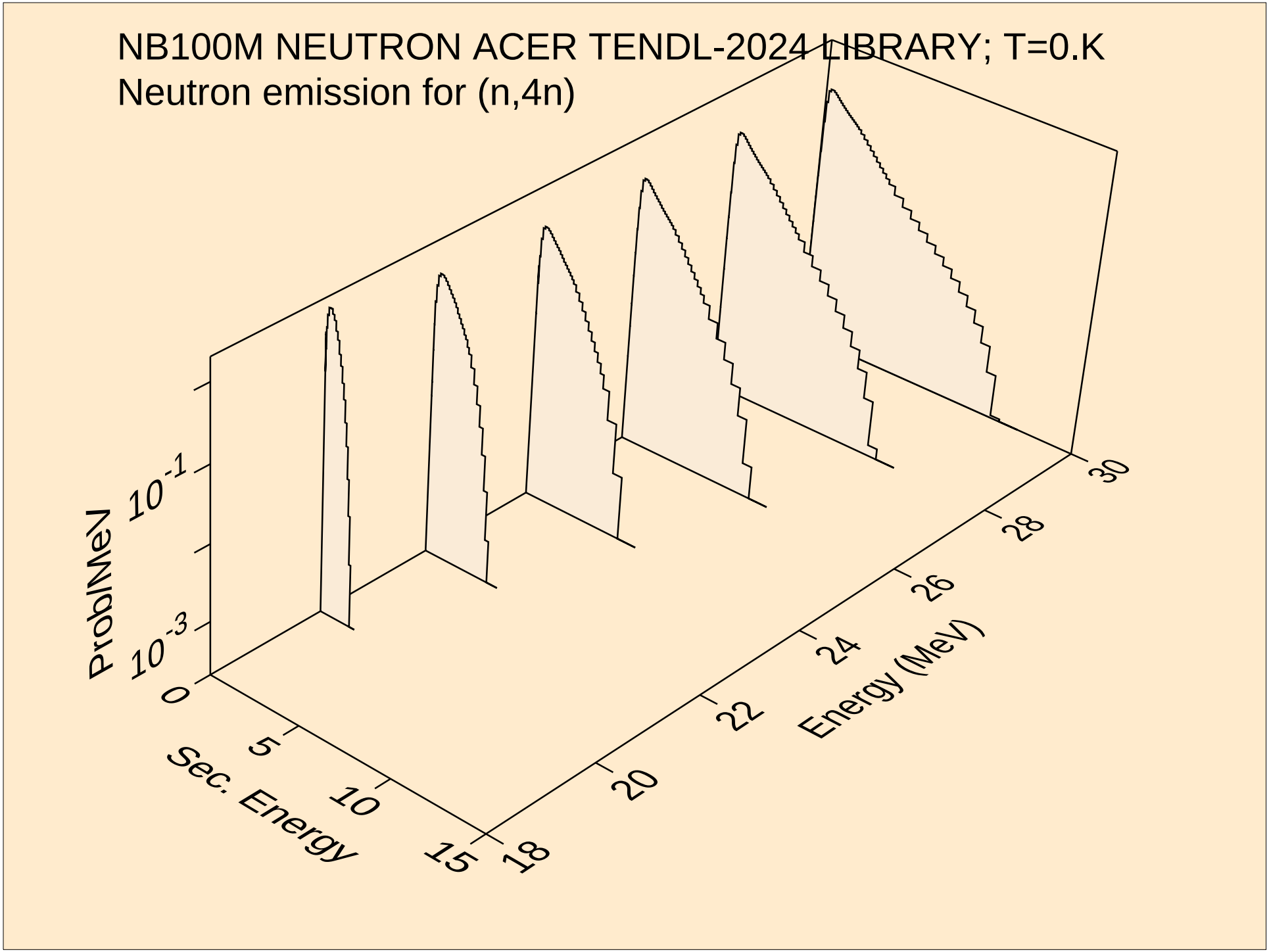

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)p
Prob/MeV
10^2
10^0
0
5
10
15
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

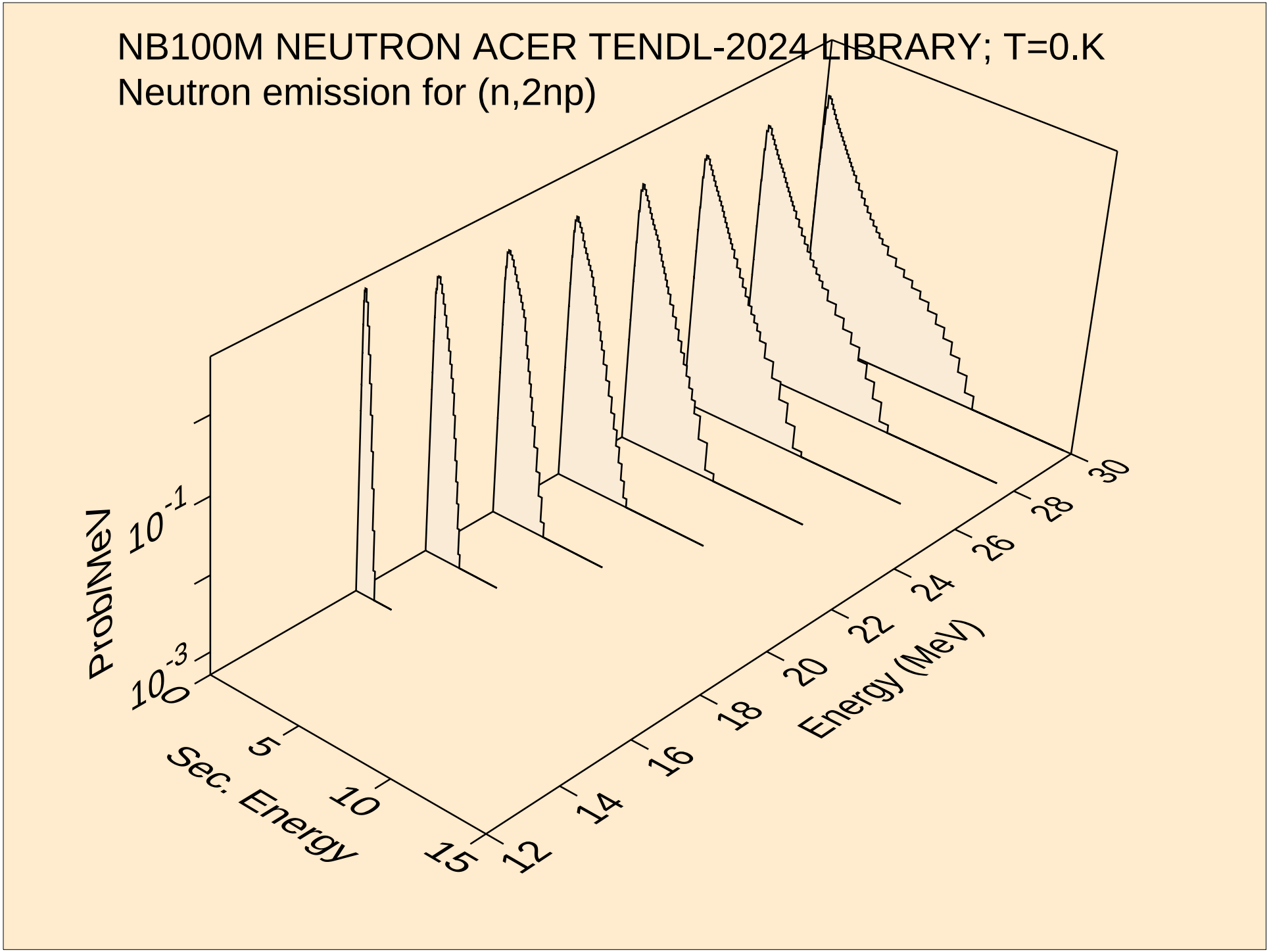

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)2a
Prob/MeV
10^0
10^-2
0
Sec. Energy
1
2
3
5
10
15
20
25
30
Energy (MeV)

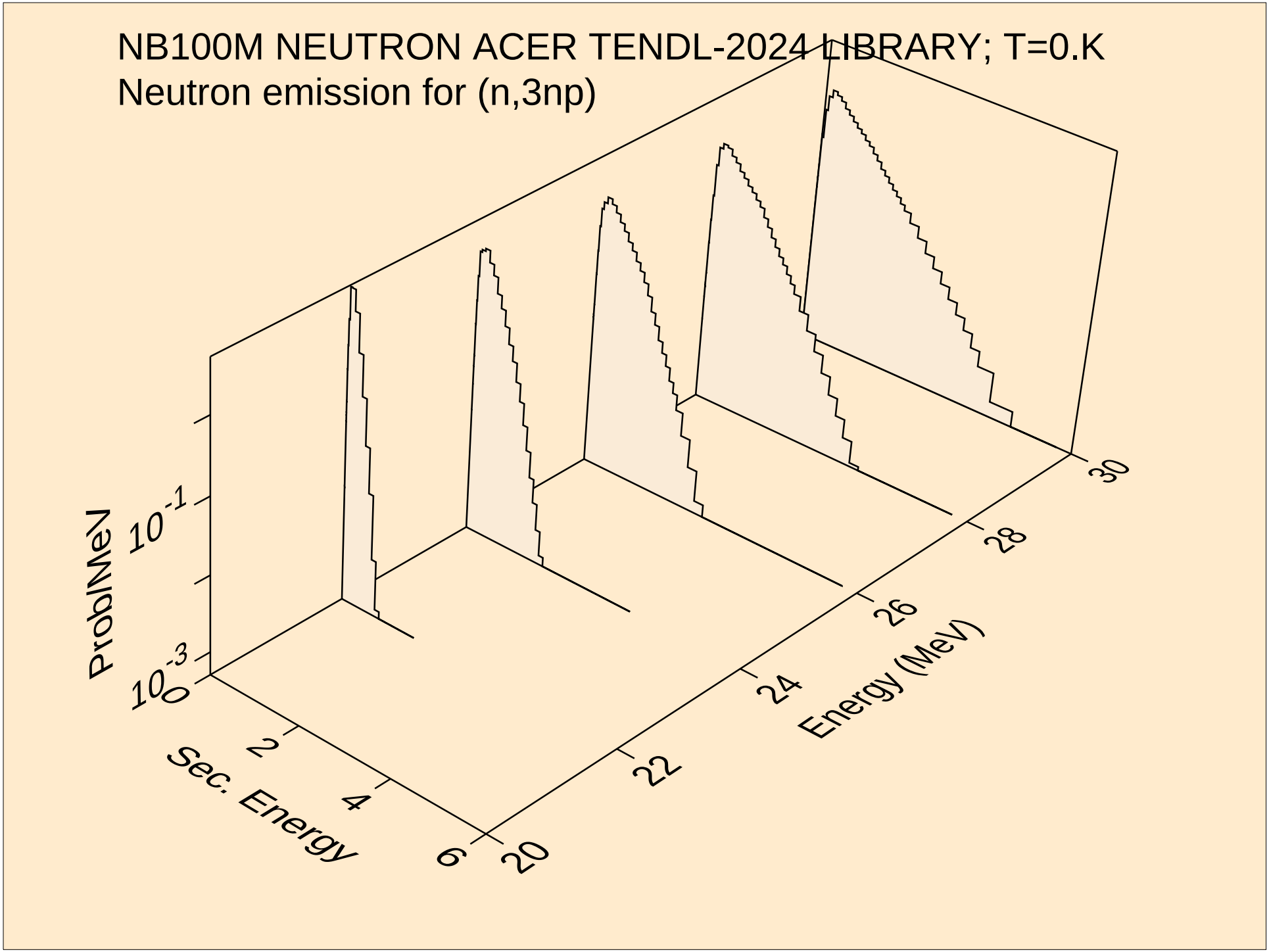

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)d
Prob/MeV
10^1
10^-1
0
2
4
6
Sec. Energy
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

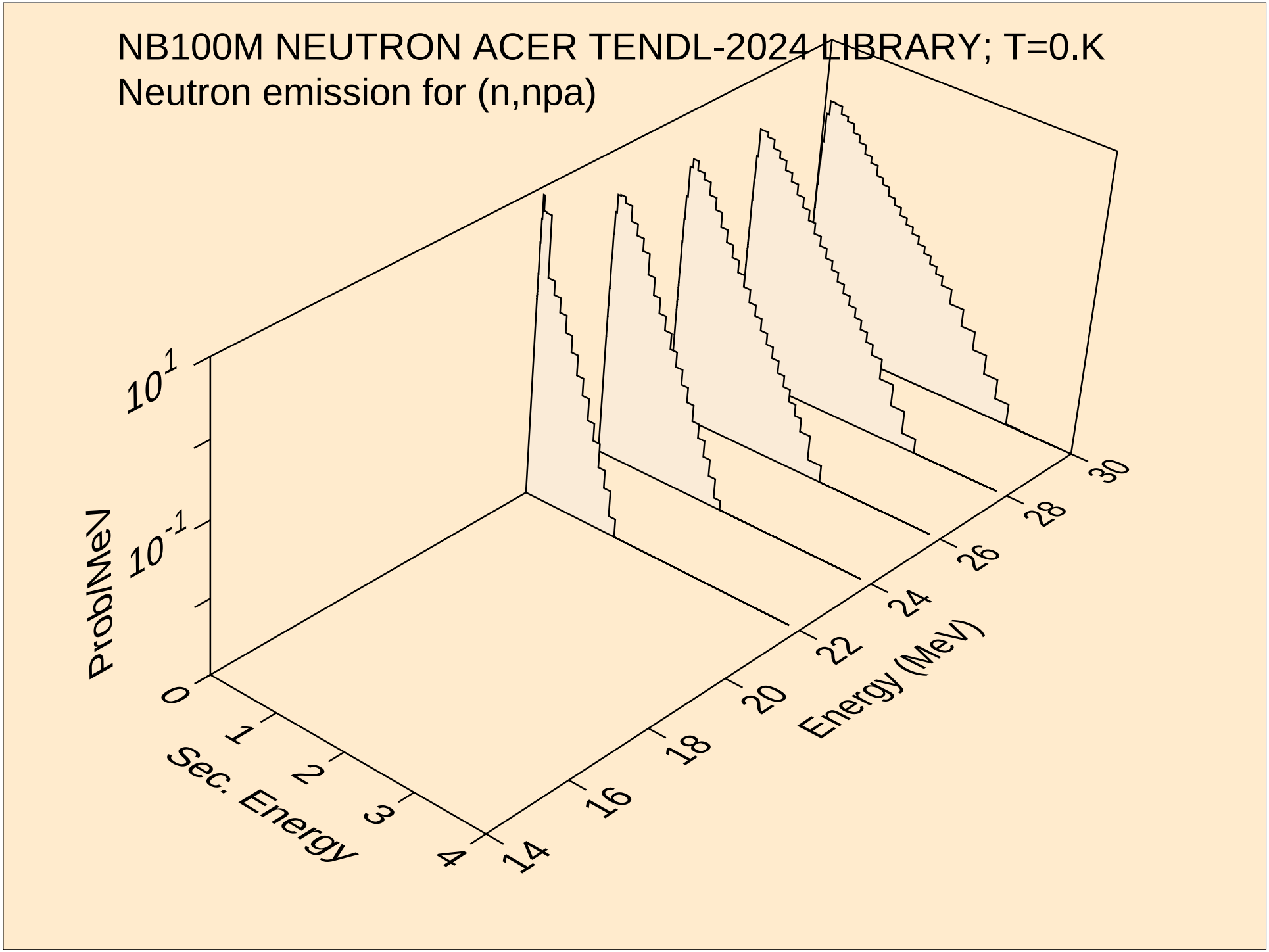

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)t
Prob/MeV
10^1
10^-1
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

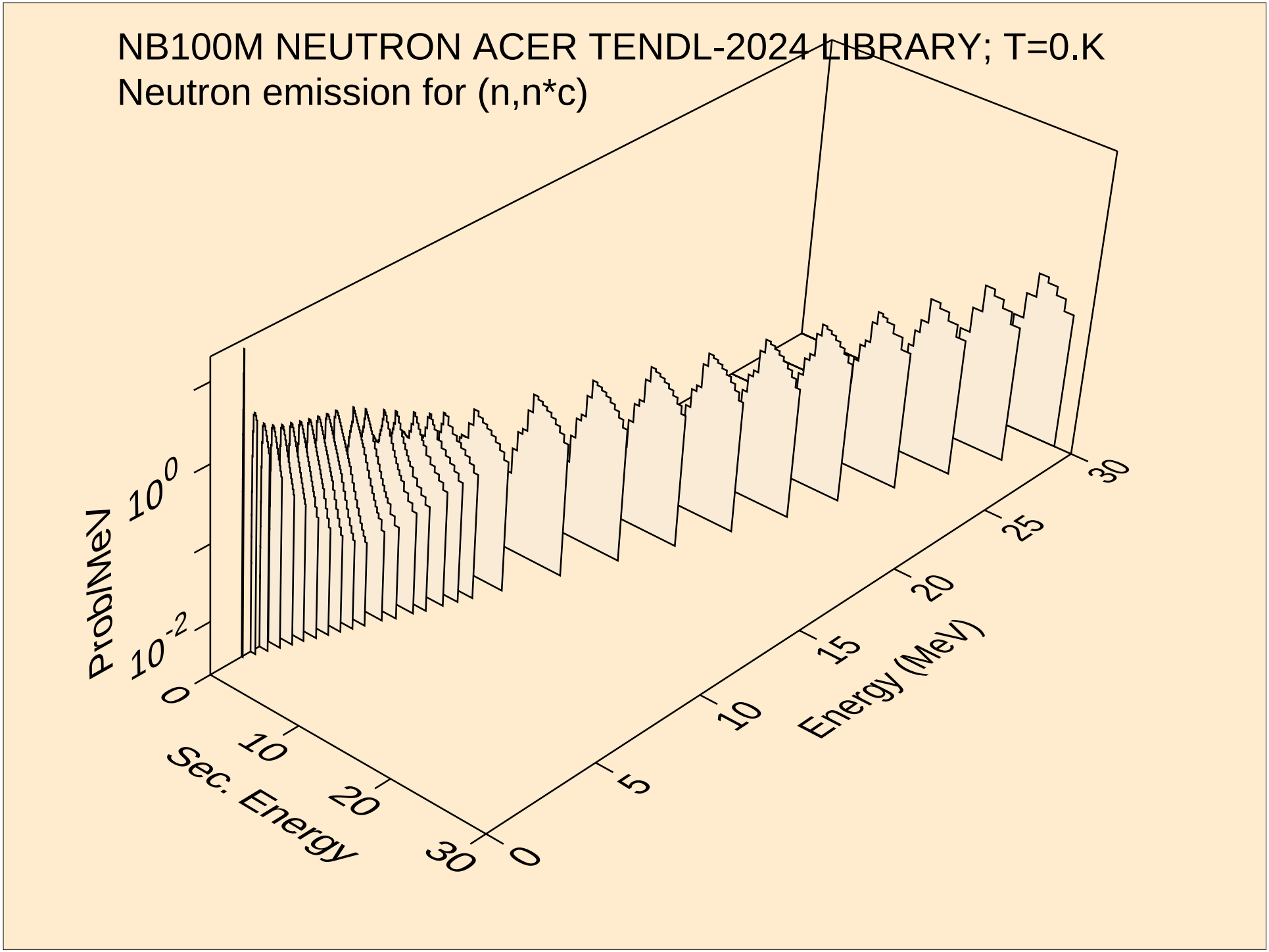

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)he3
Prob/MeV
10^1
10^-1
0
Sec. Energy
1
2
3
Energy (MeV)
18
20
22
24
26
28
30

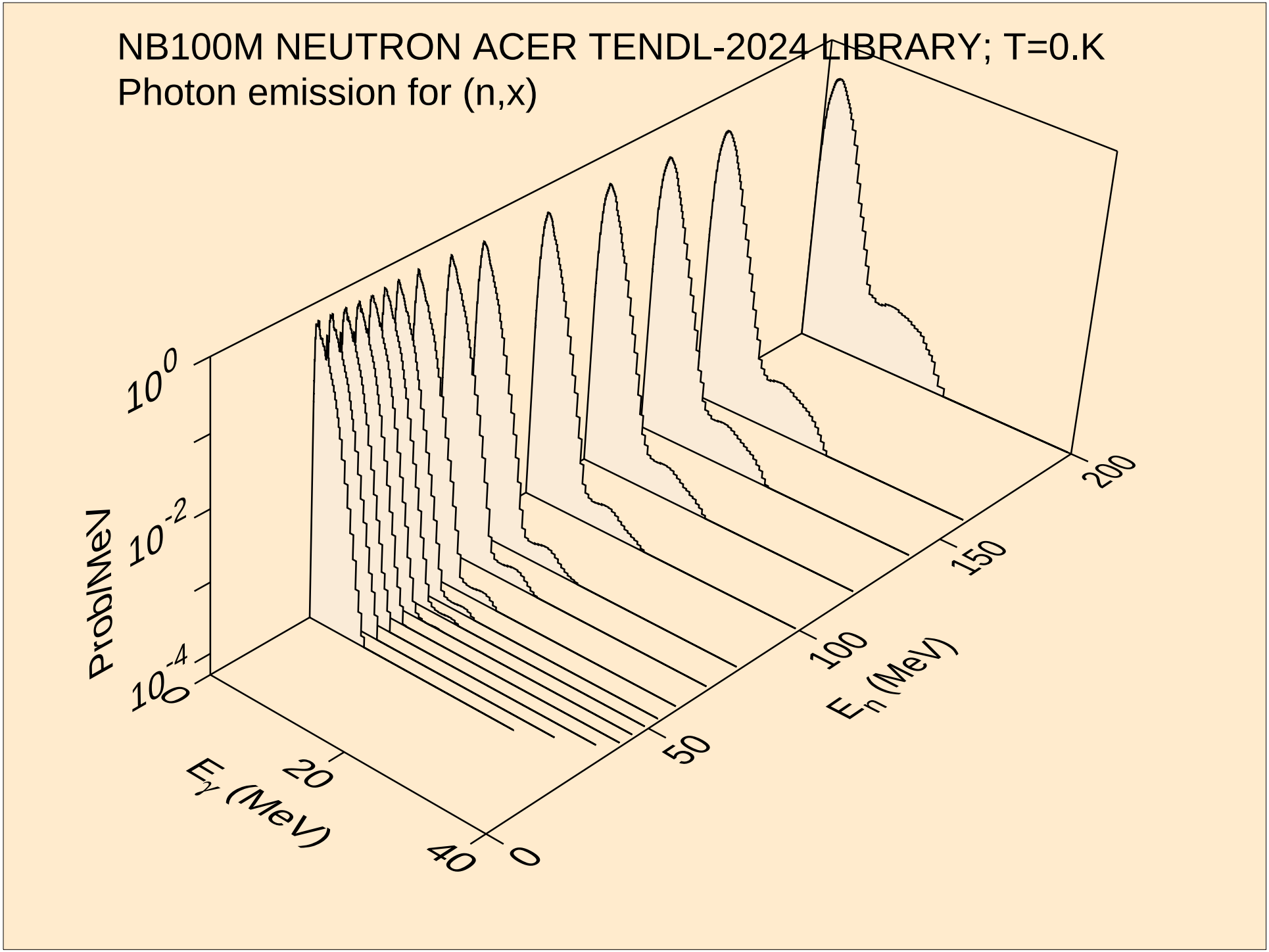

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,4n)
Prob/MeV
10-1
10-3
0
5
10
15
18
Sec. Energy
20
22
24
26
28
30
Energy (MeV)

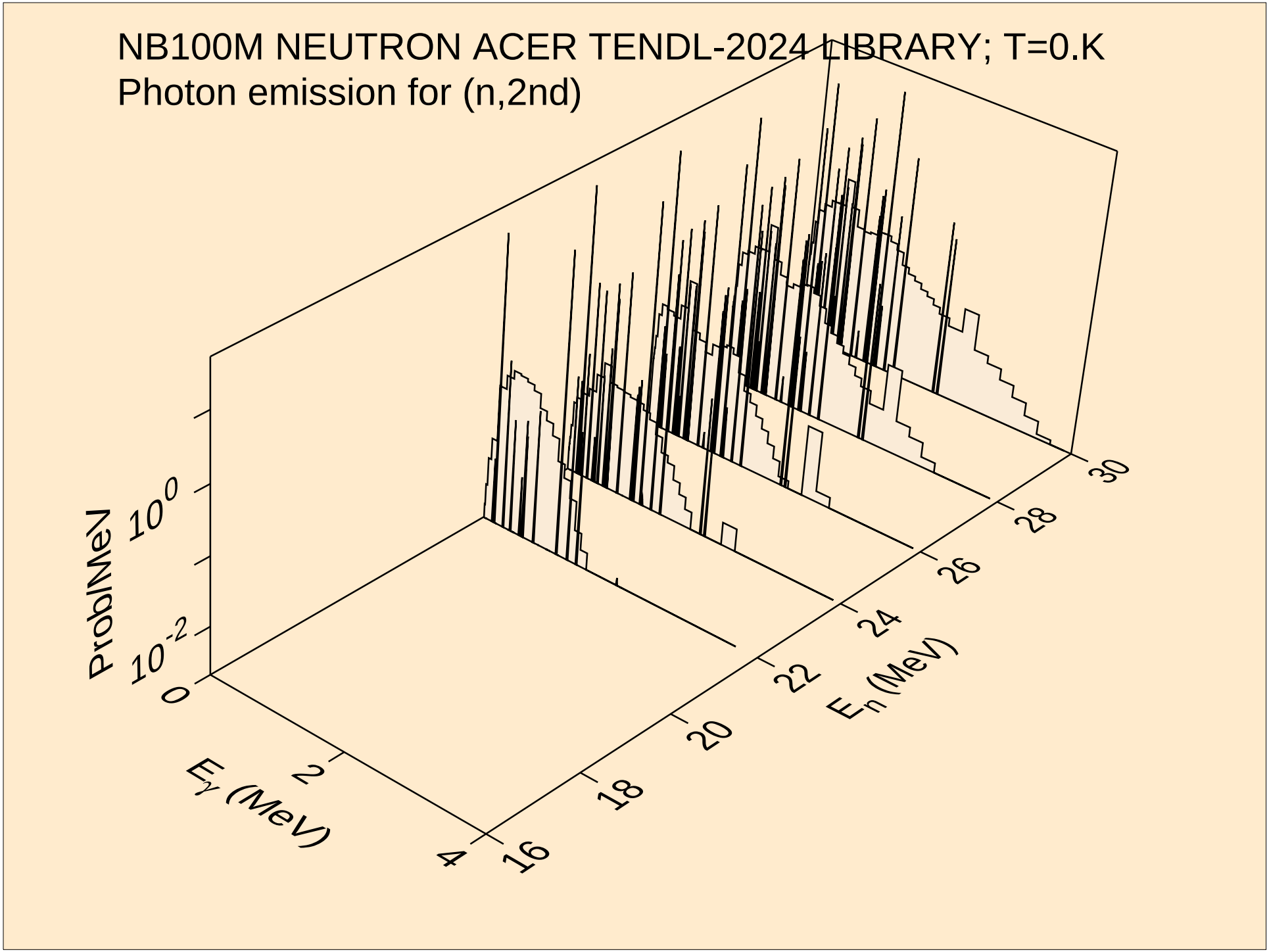

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2np)
Prob/MeV
10-1
10-3
0
5
10
15
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

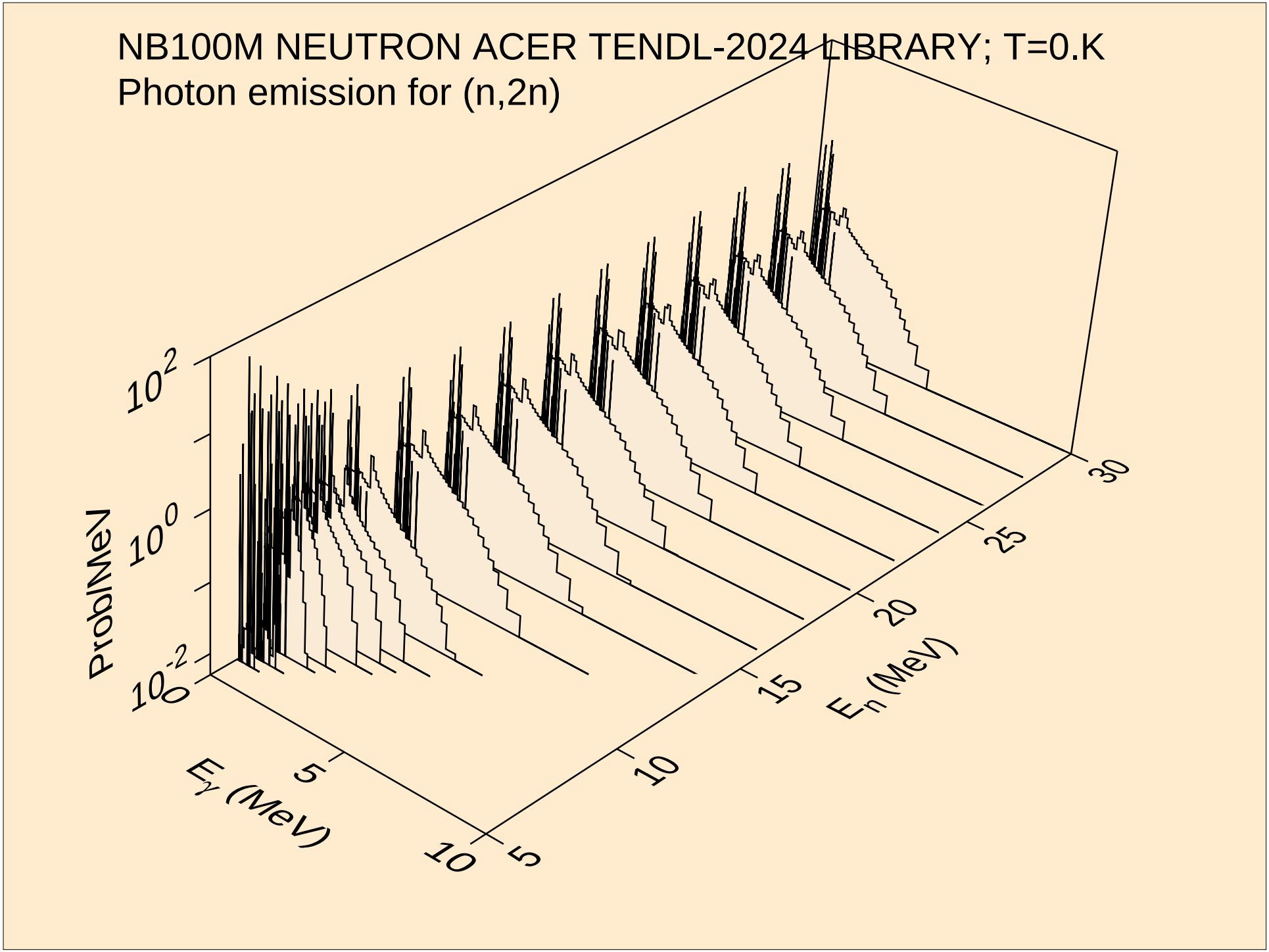

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3np)
Prob/MeV
10-1
10-3
0
2
4
6
Sec. Energy
20
22
24
26
28
30
Energy (MeV)

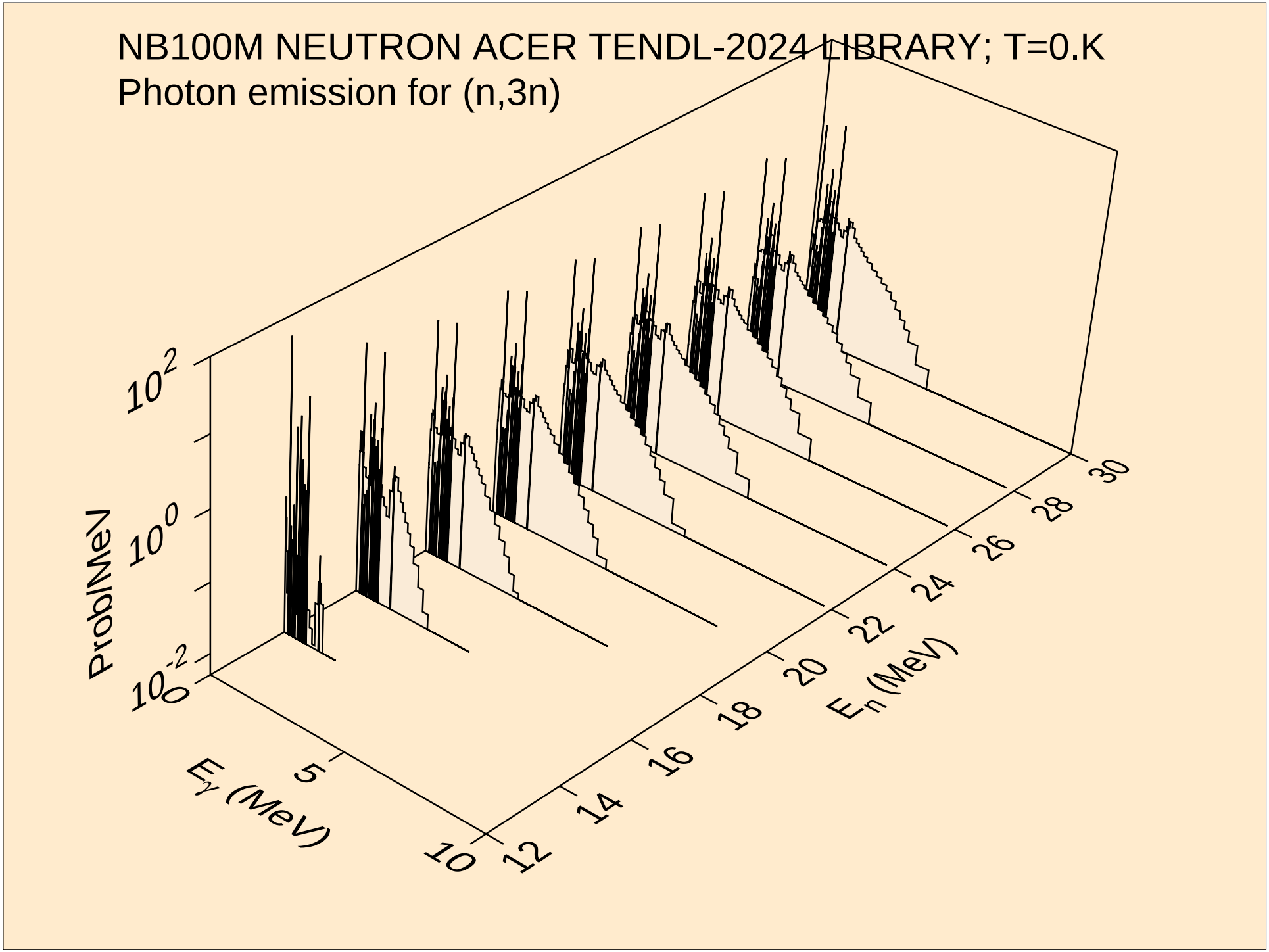

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,npa)
Prob/MeV
10^{1}
10^{-1}
0
1
2
3
4
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

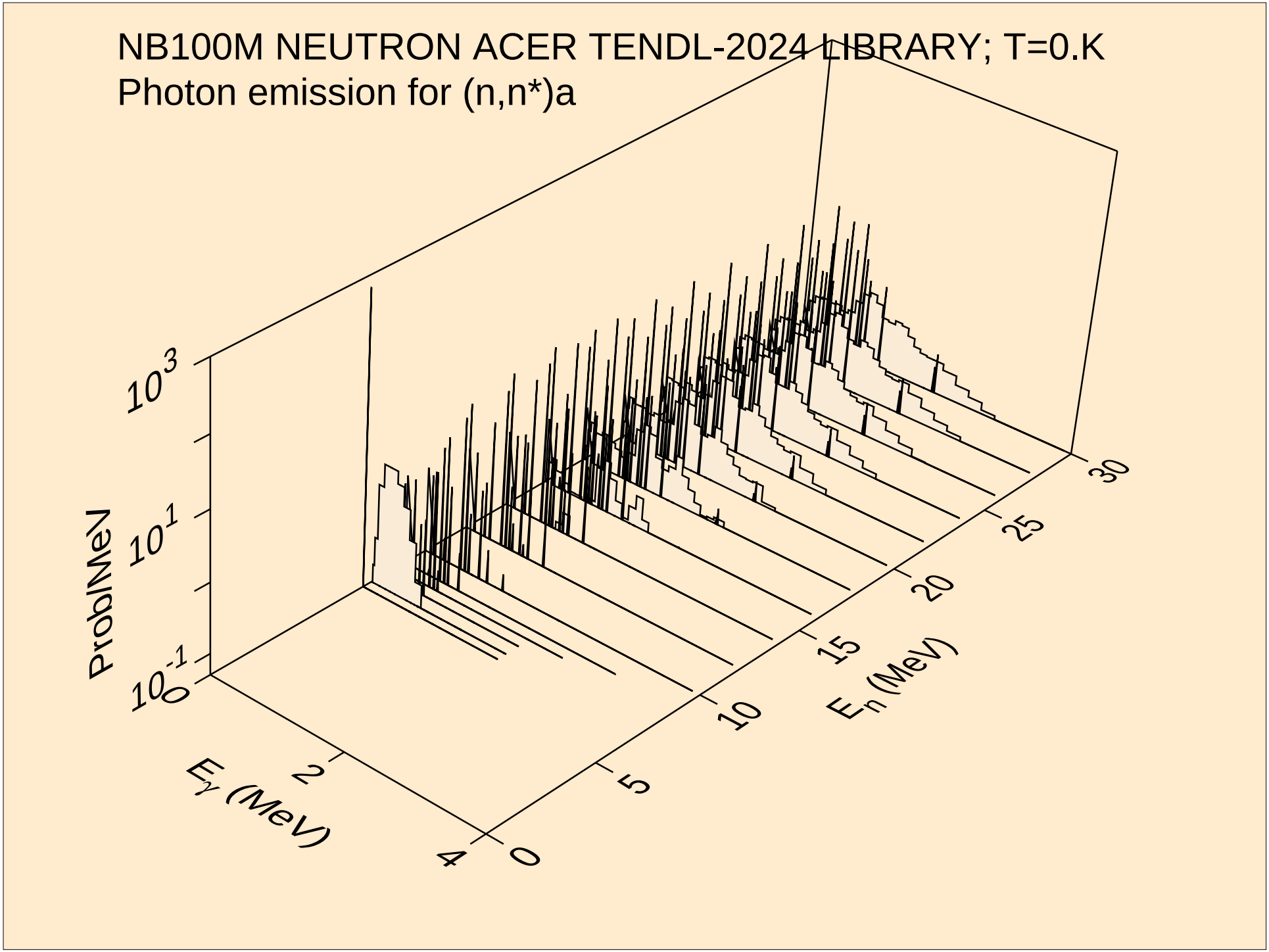

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*c)
Prob/MeV
10^{0}
10^{-2}
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

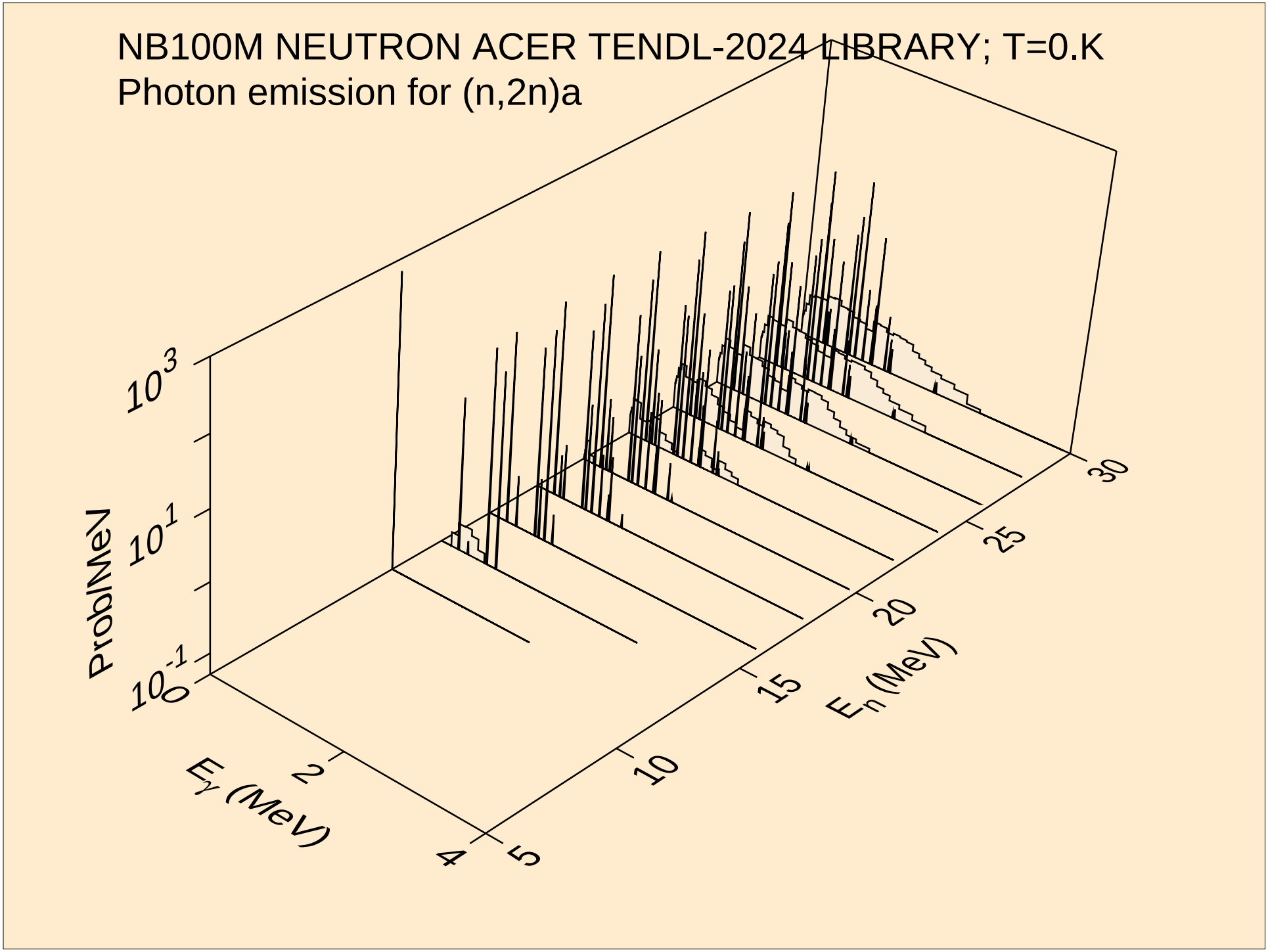

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,x)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
20
40
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

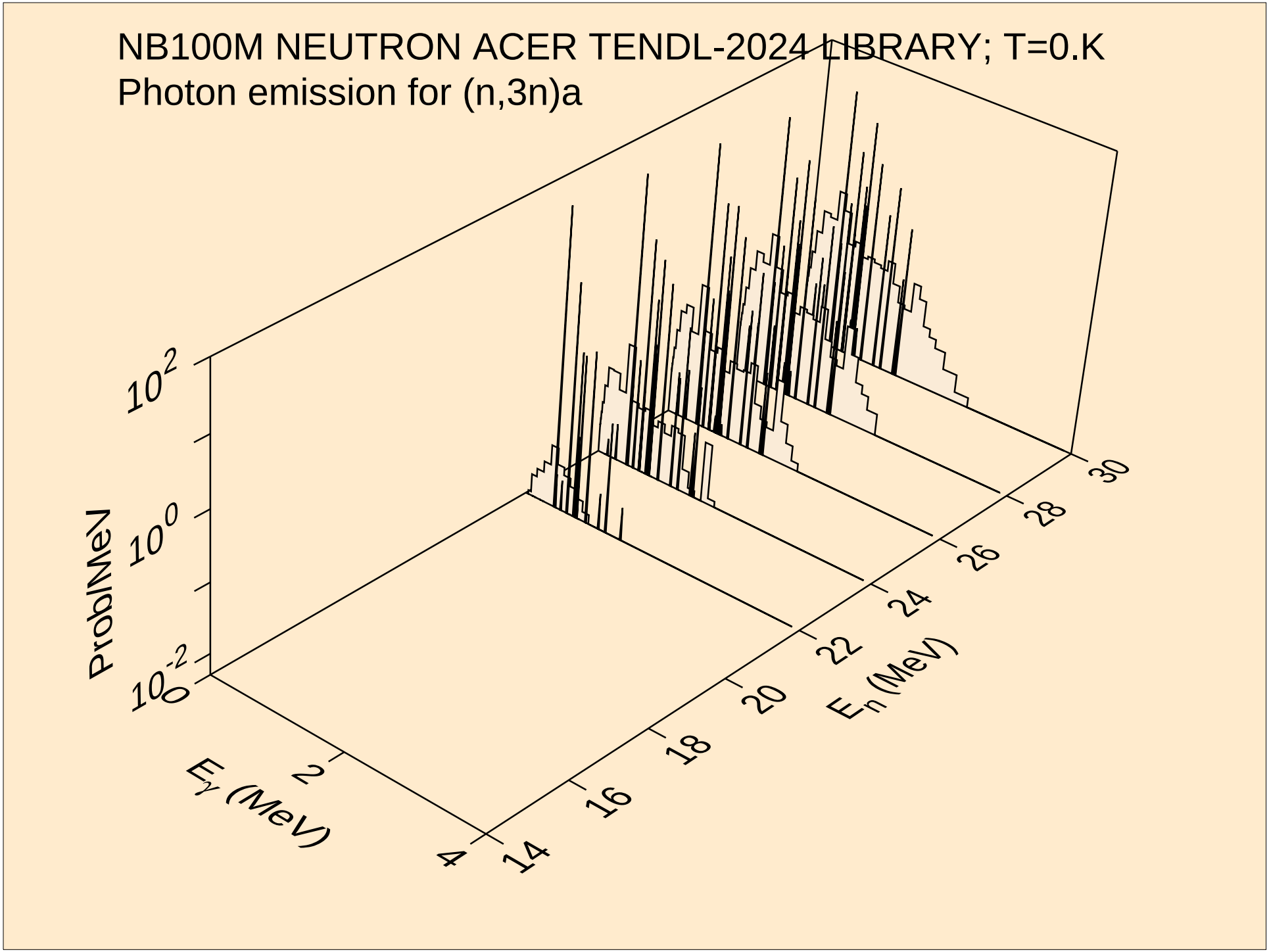

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
16
18
20
22
24
26
28
30
E_n (MeV)

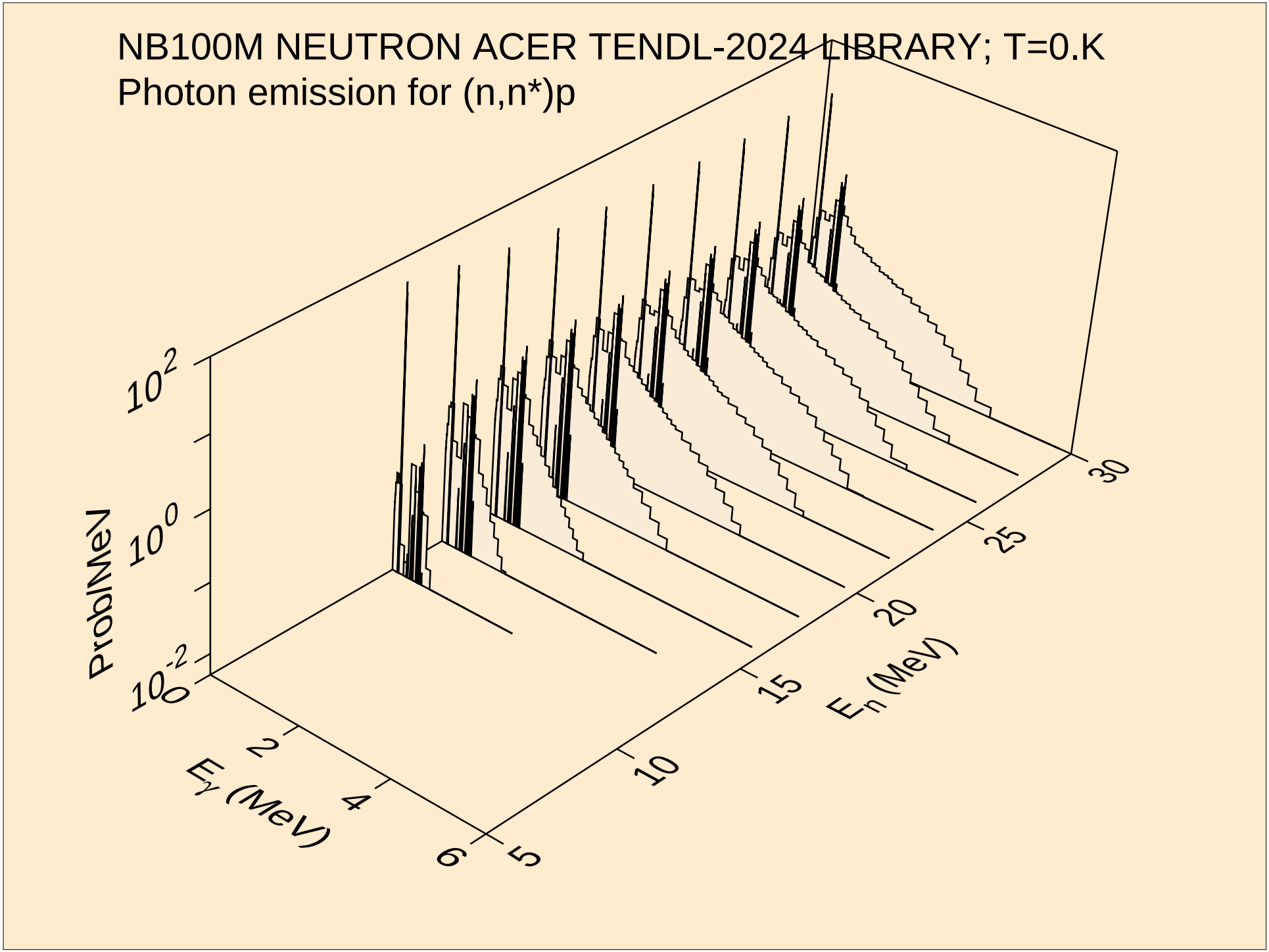

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
5
10
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

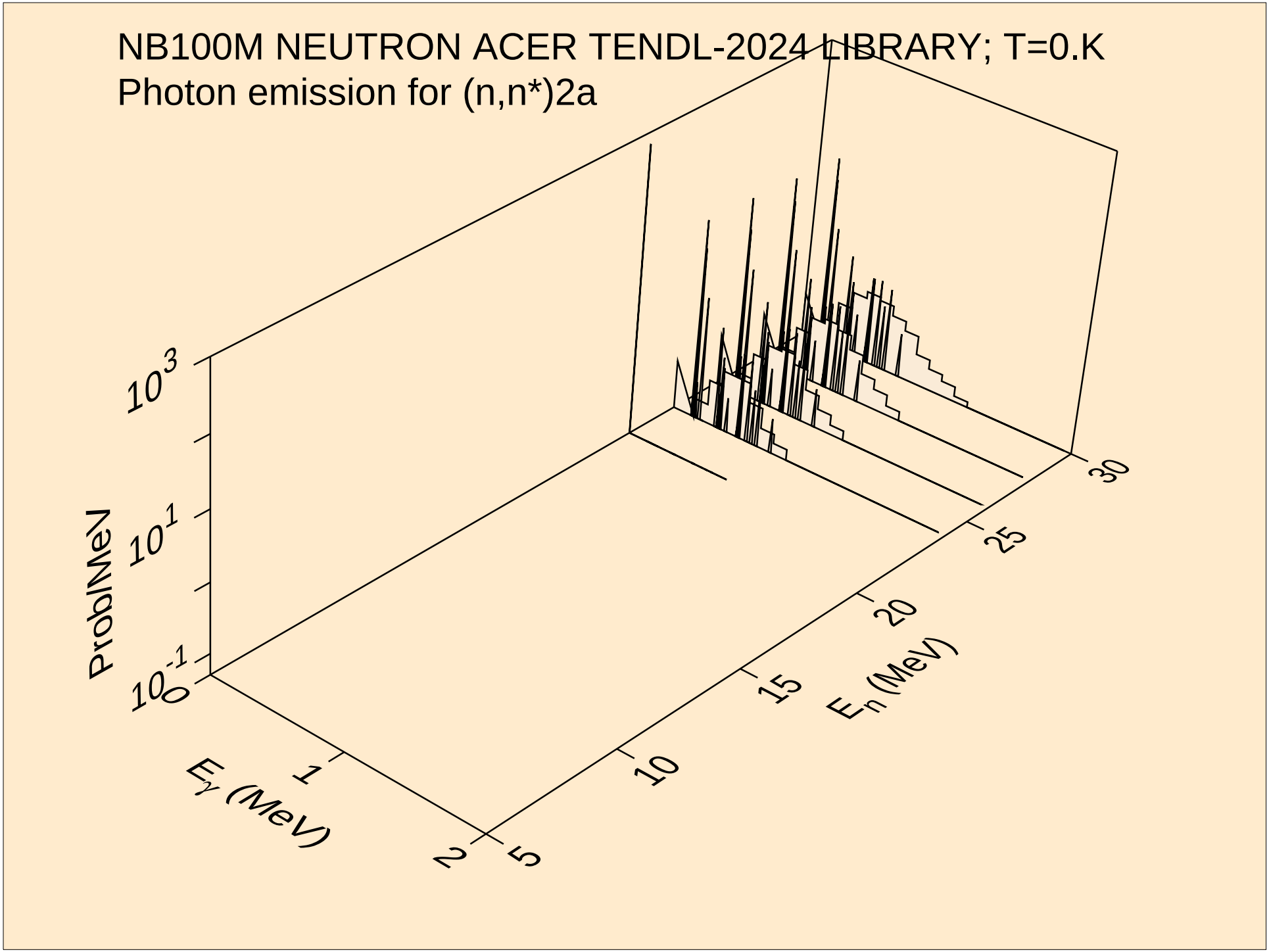

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
5
10
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

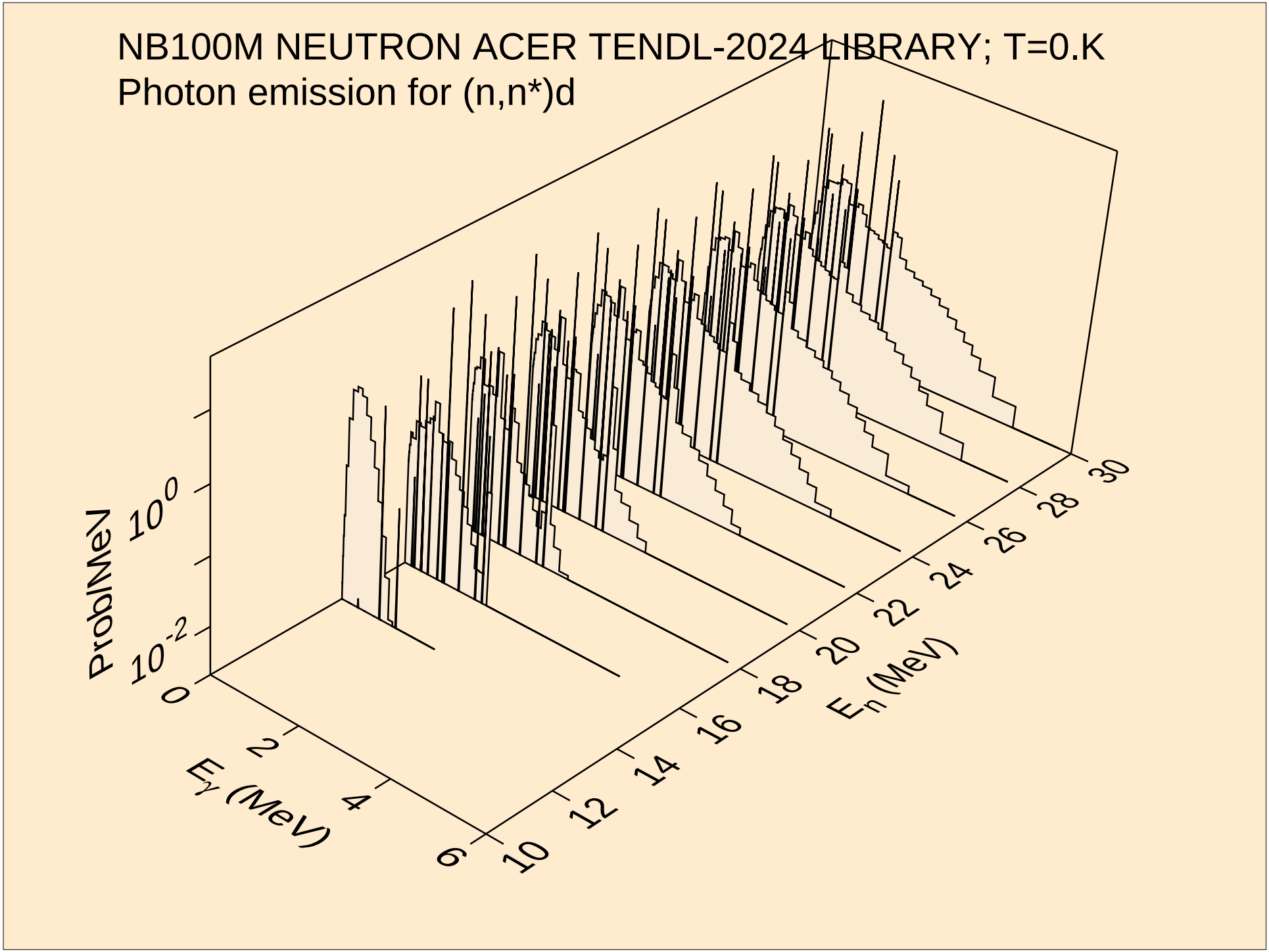

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)a
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

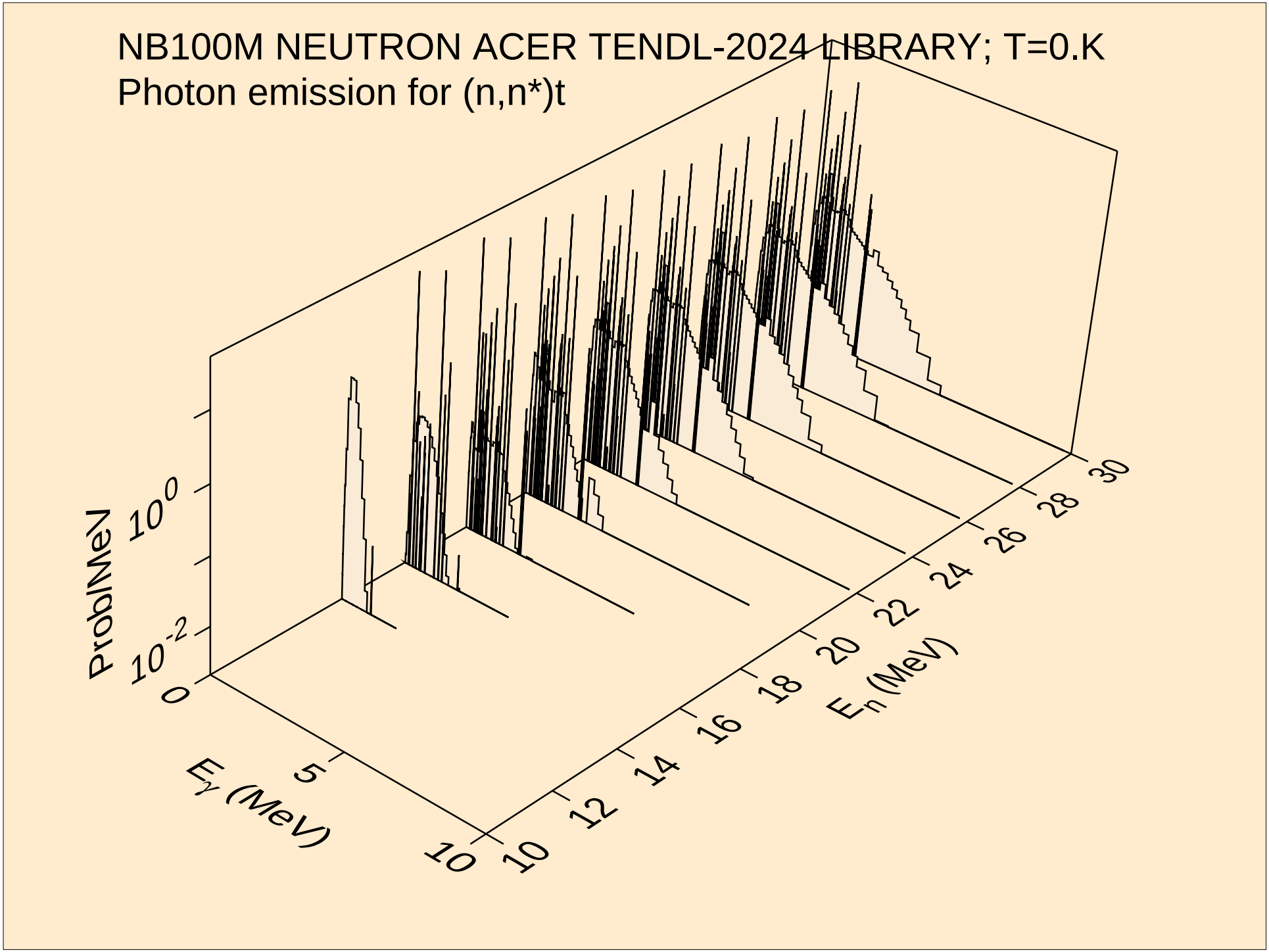

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)a
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

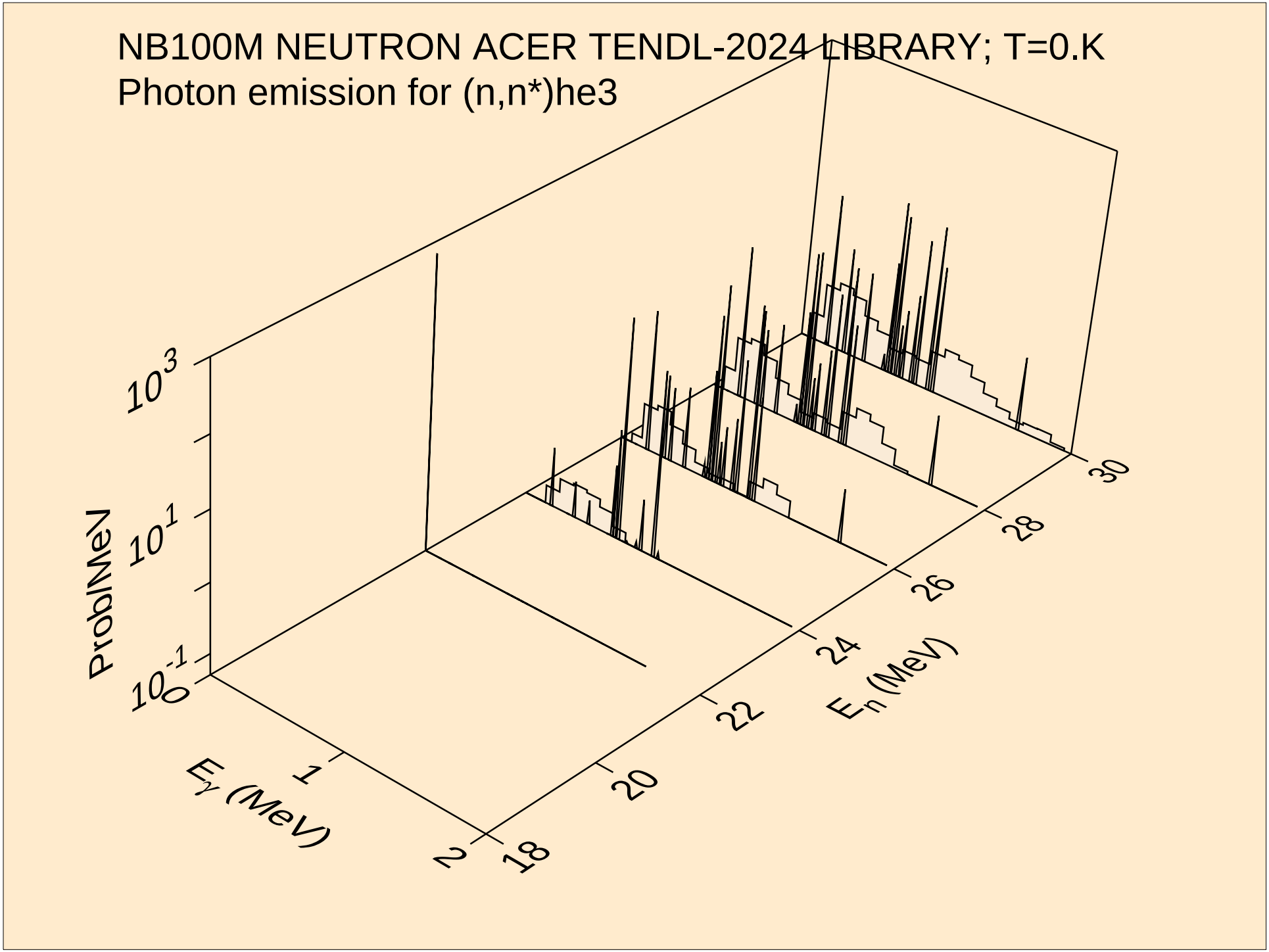

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)a
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
2
4
14
16
18
20
22
24
26
28
30
E_n (MeV)

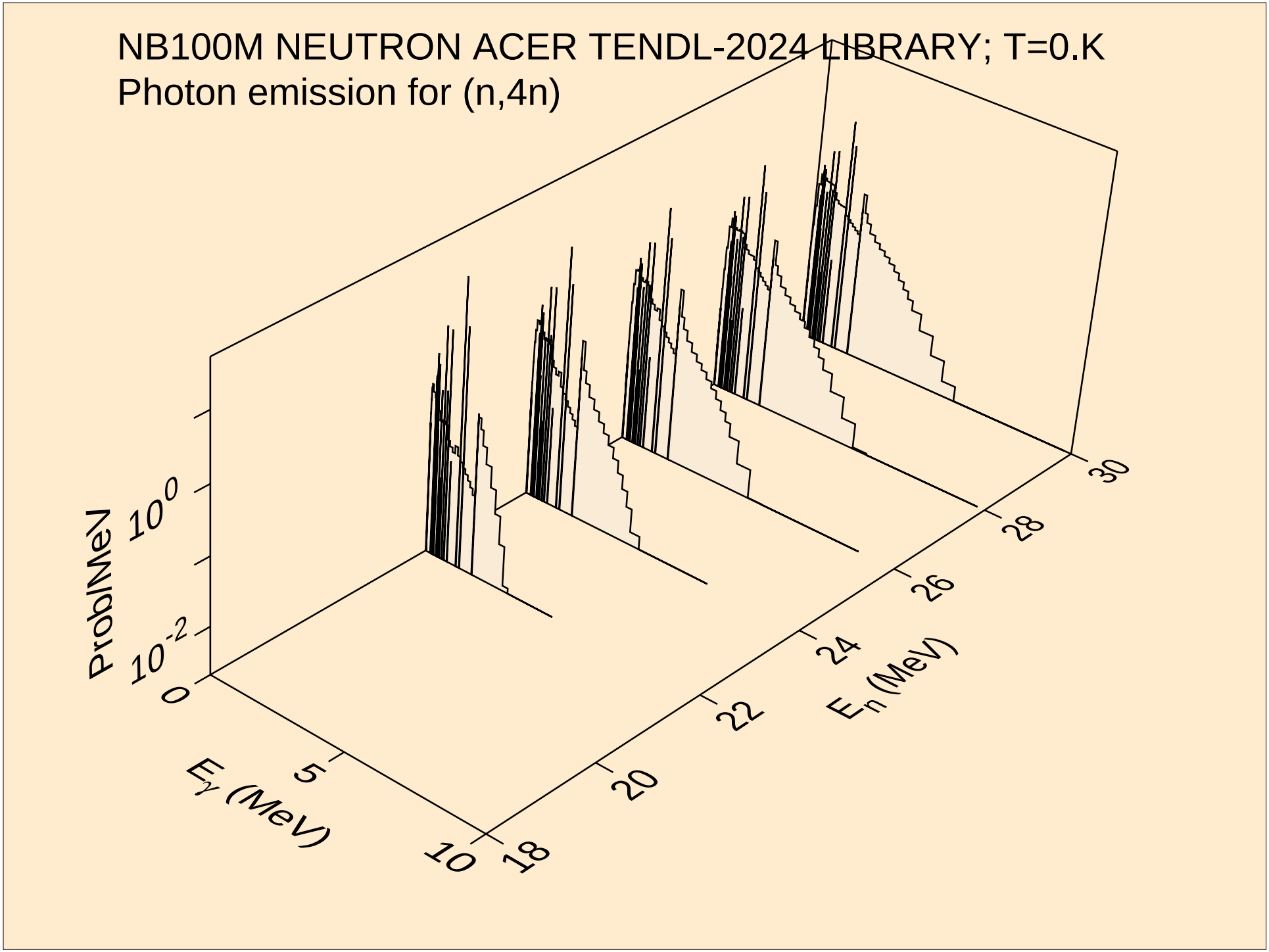

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)p
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
2
4
6
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

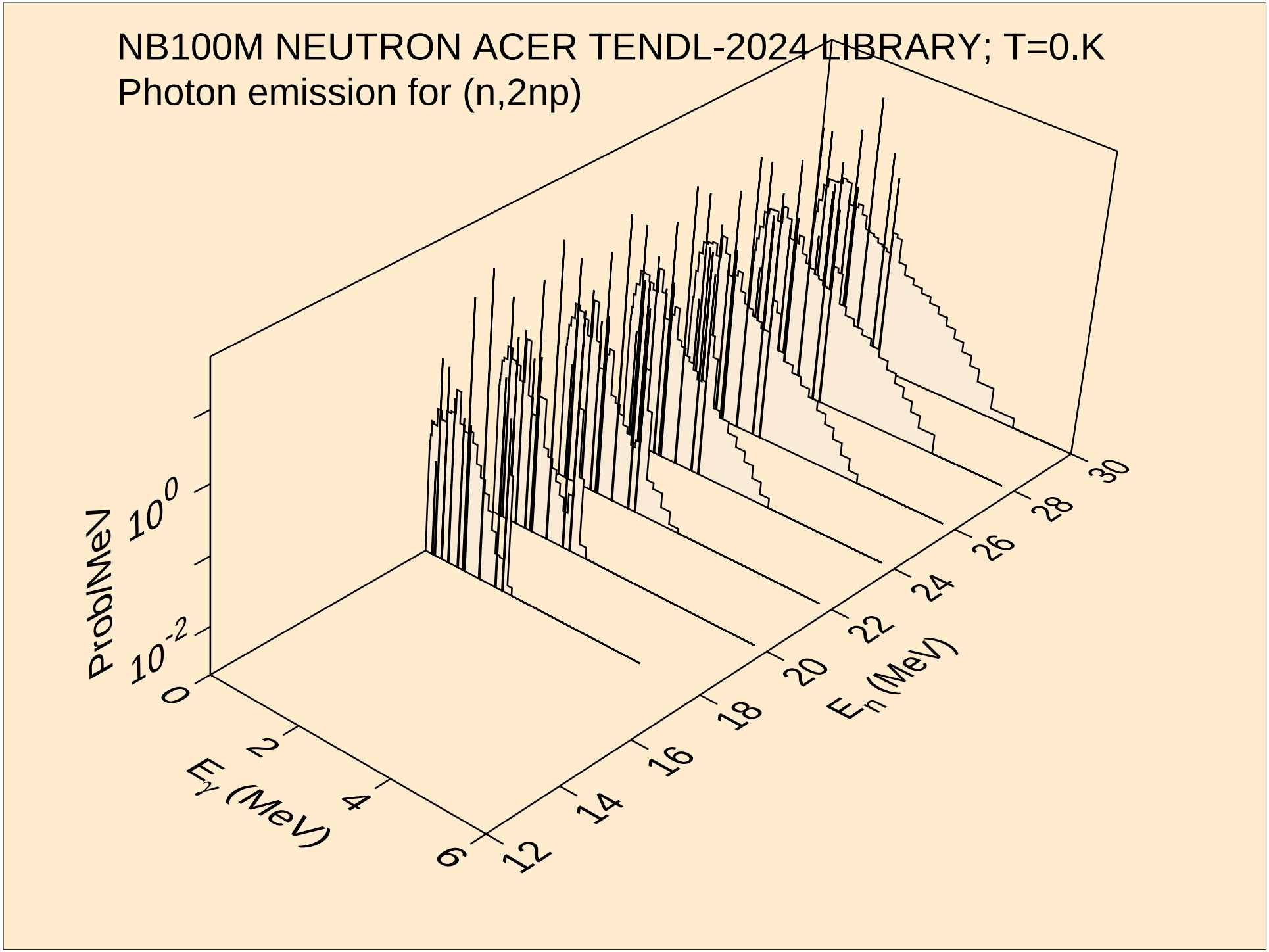

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)2a
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
1
2
5
10
15
20
25
30
E_γ (MeV)
E_n (MeV)

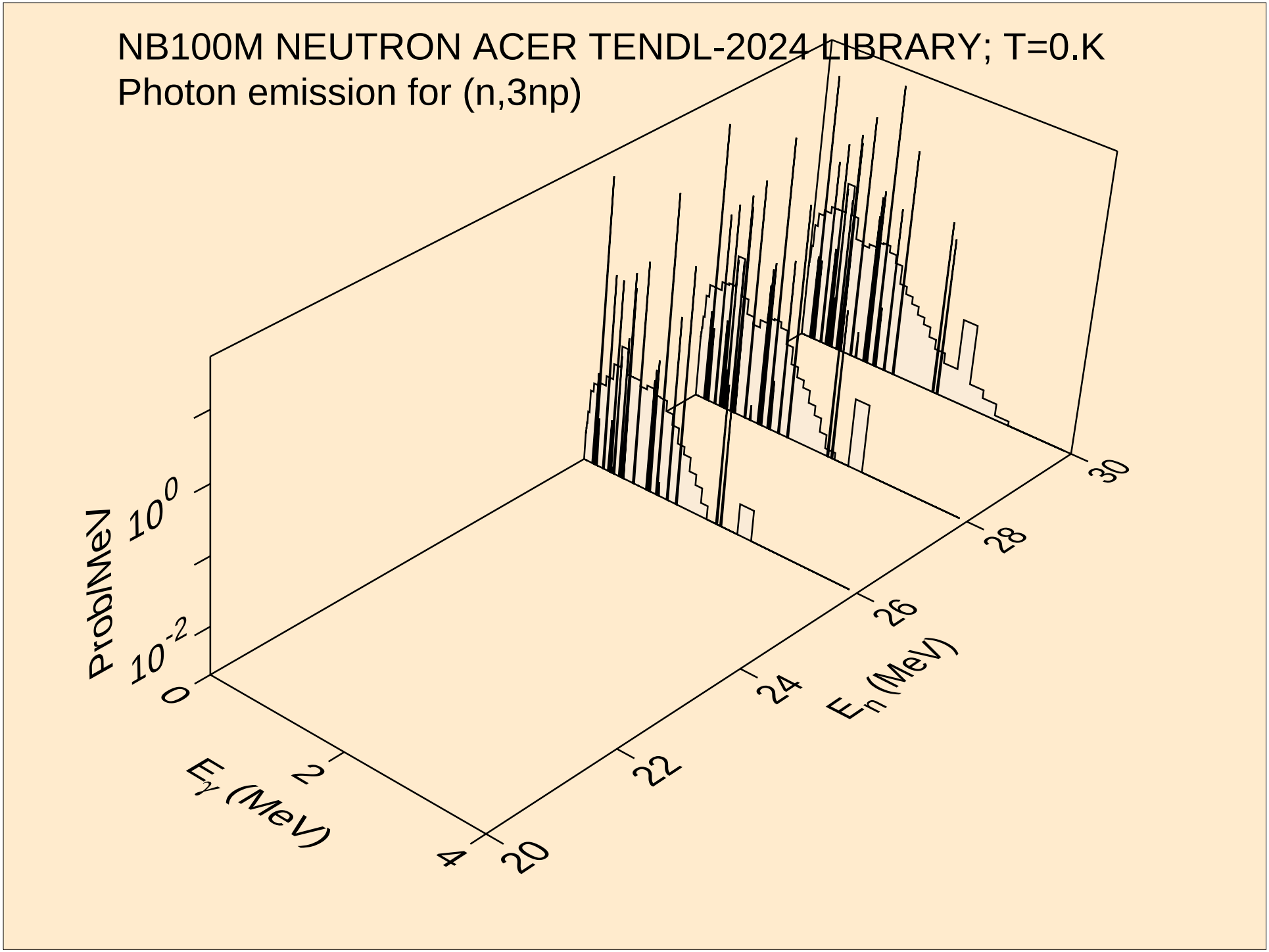

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d
Prob/MeV
10^0
10^-2
0
2
4
6
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

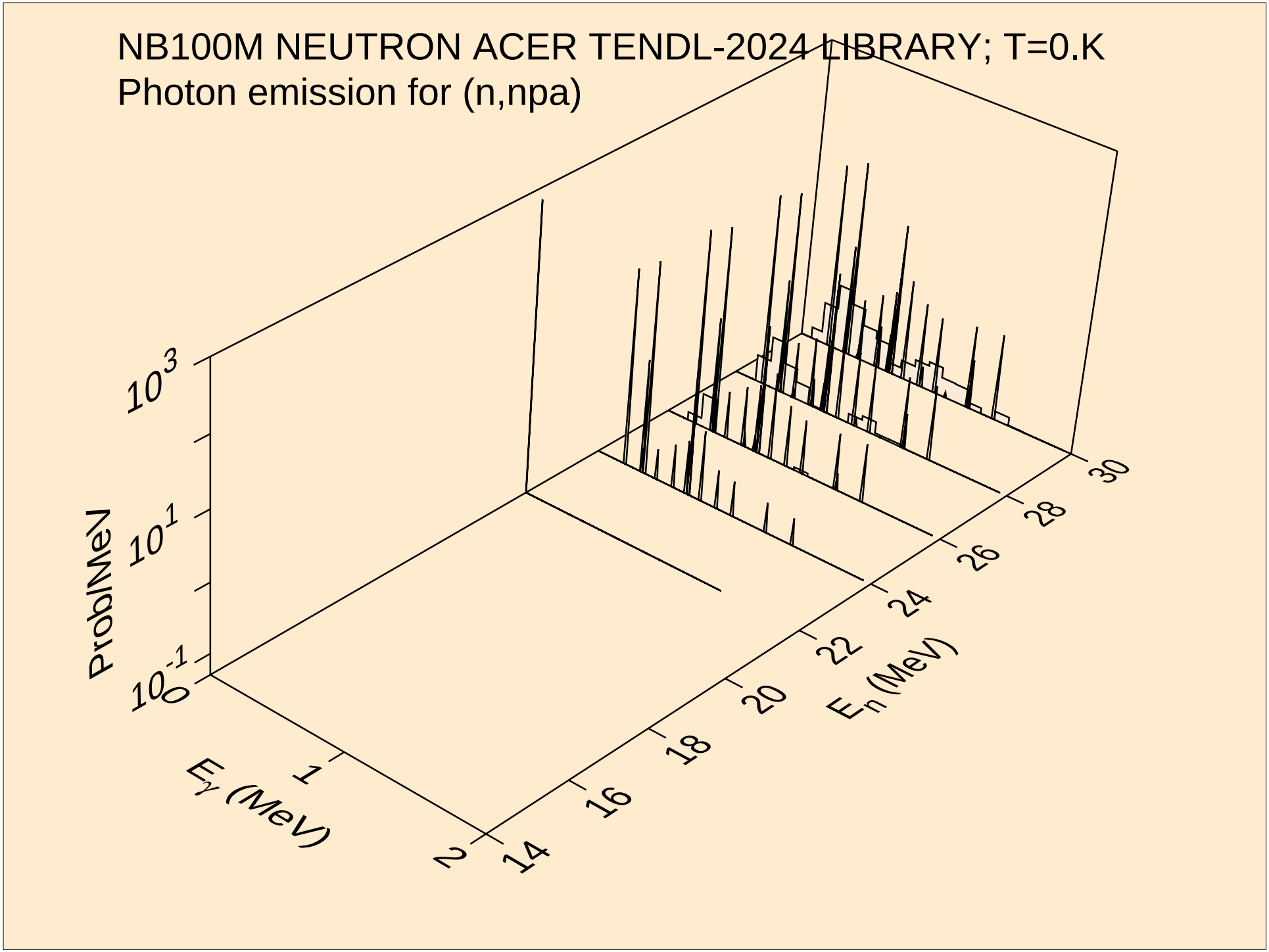

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)t
Prob/MeV
10^0
10^-2
0
5
10
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

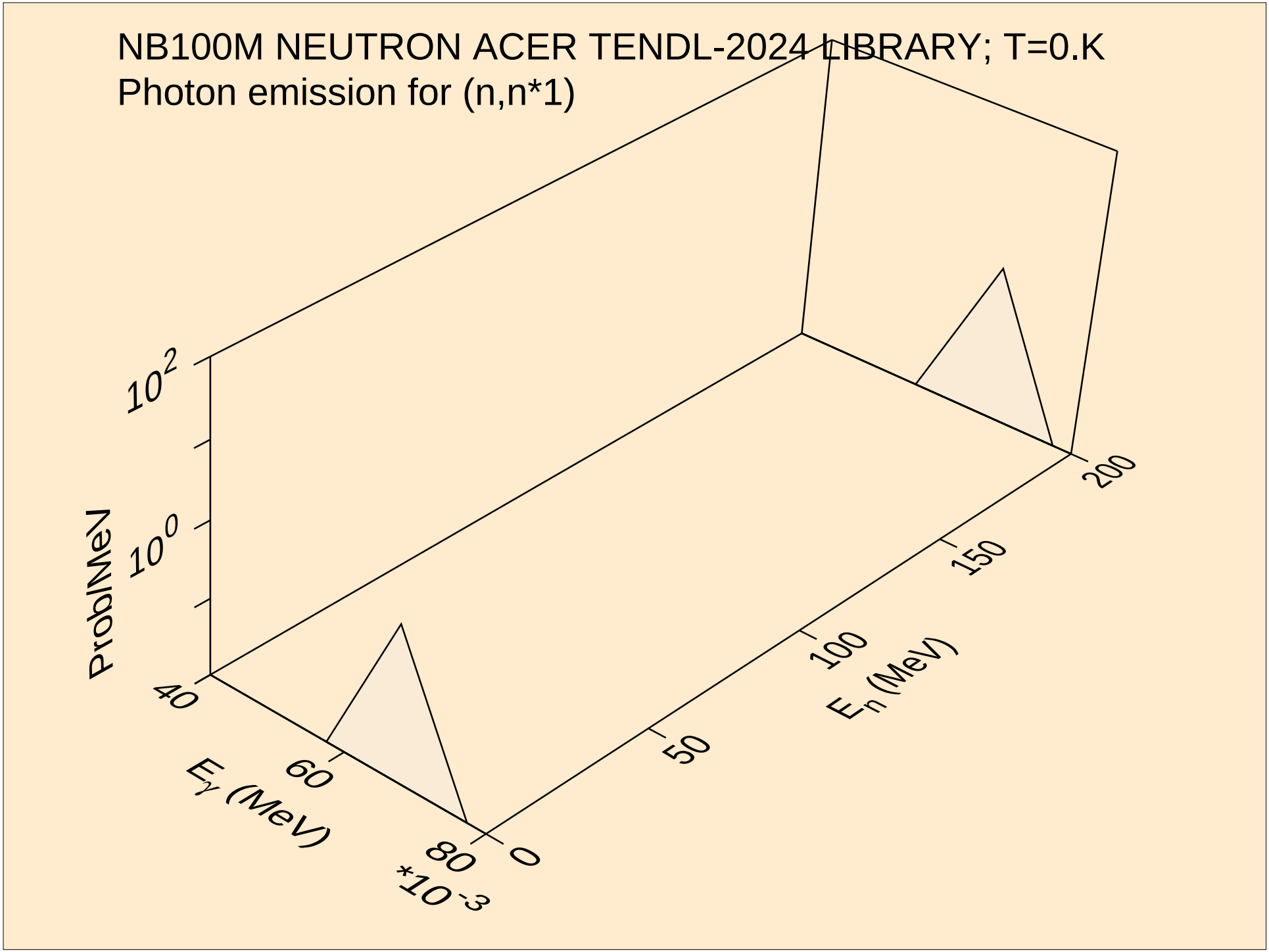

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
1
2
E_γ (MeV)
18
20
22
24
26
28
30
E_n (MeV)

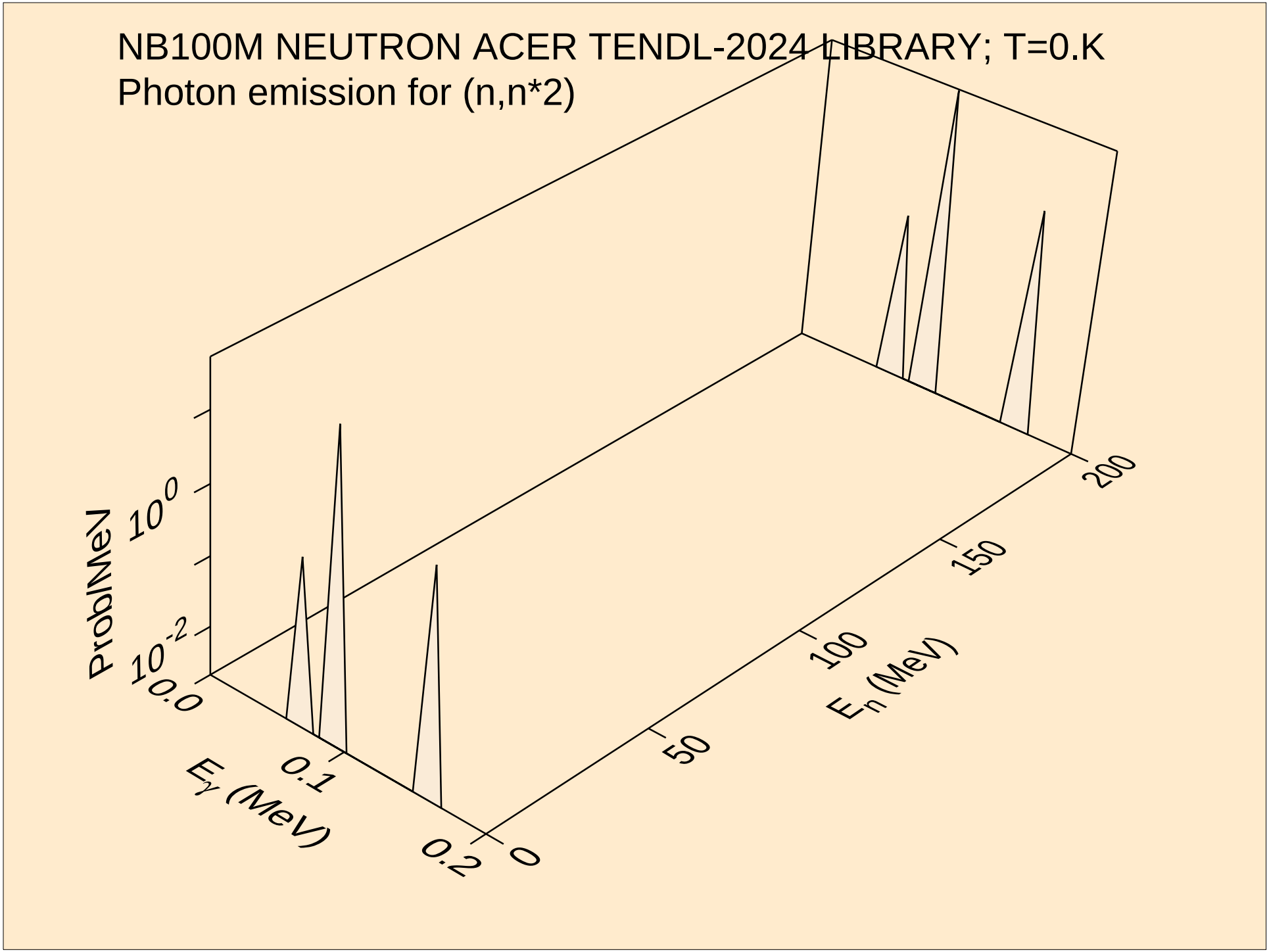

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,4n)
Prob/MeV
10^0
10^-2
0
5
10
E_γ (MeV)
18
20
22
24
26
28
30
E_n (MeV)

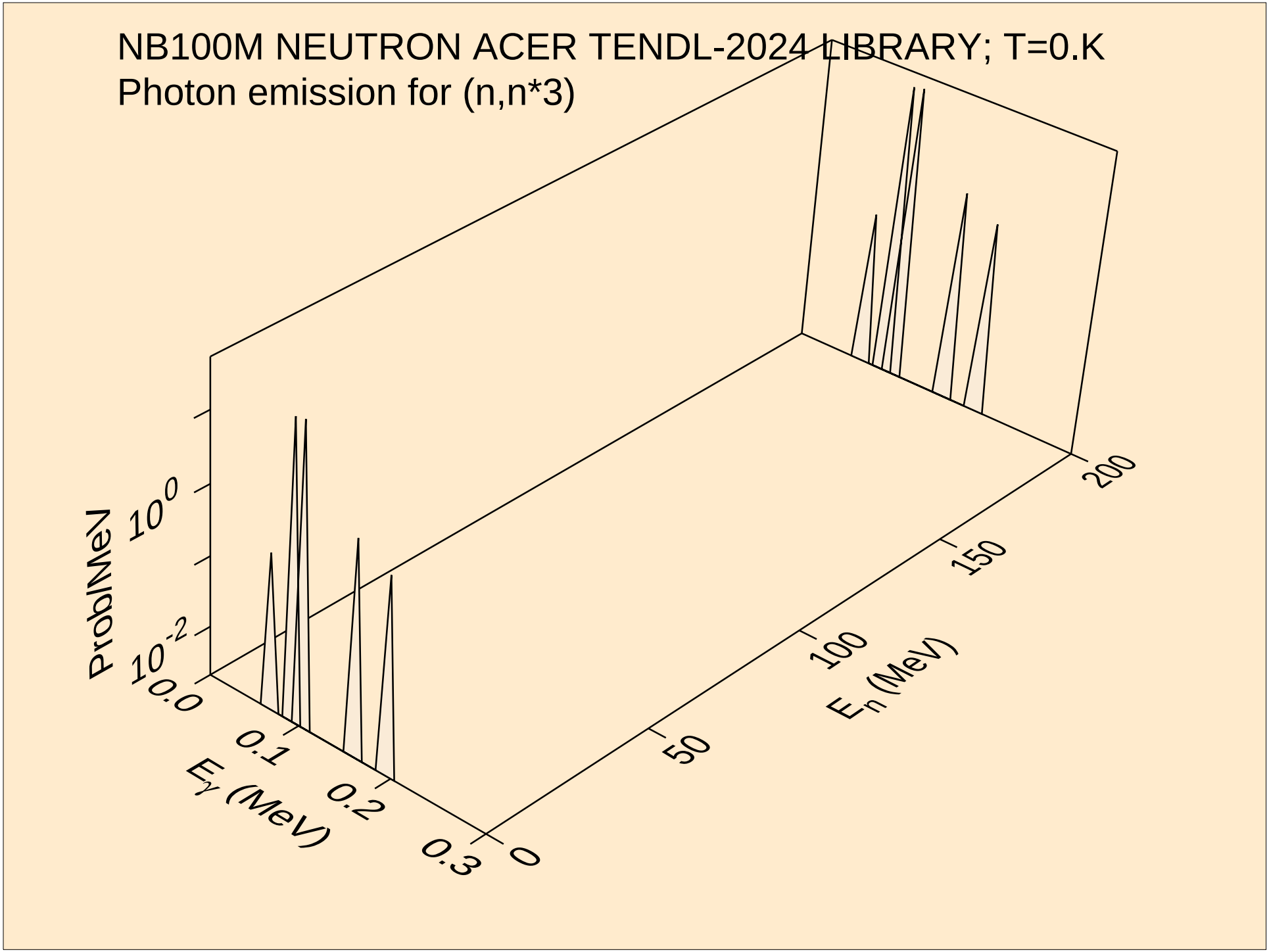

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

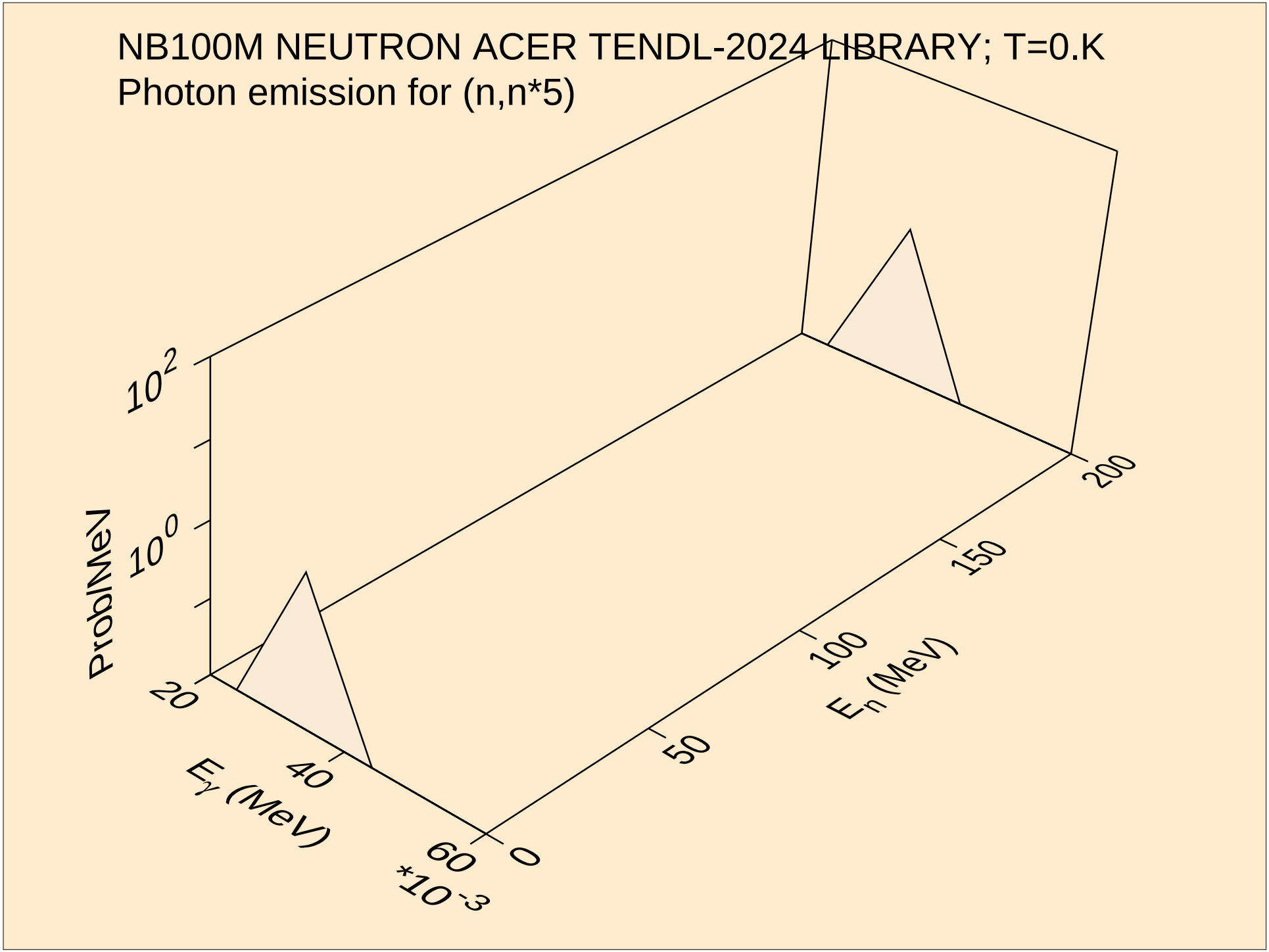

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
20
22
24
26
28
30
E_n (MeV)

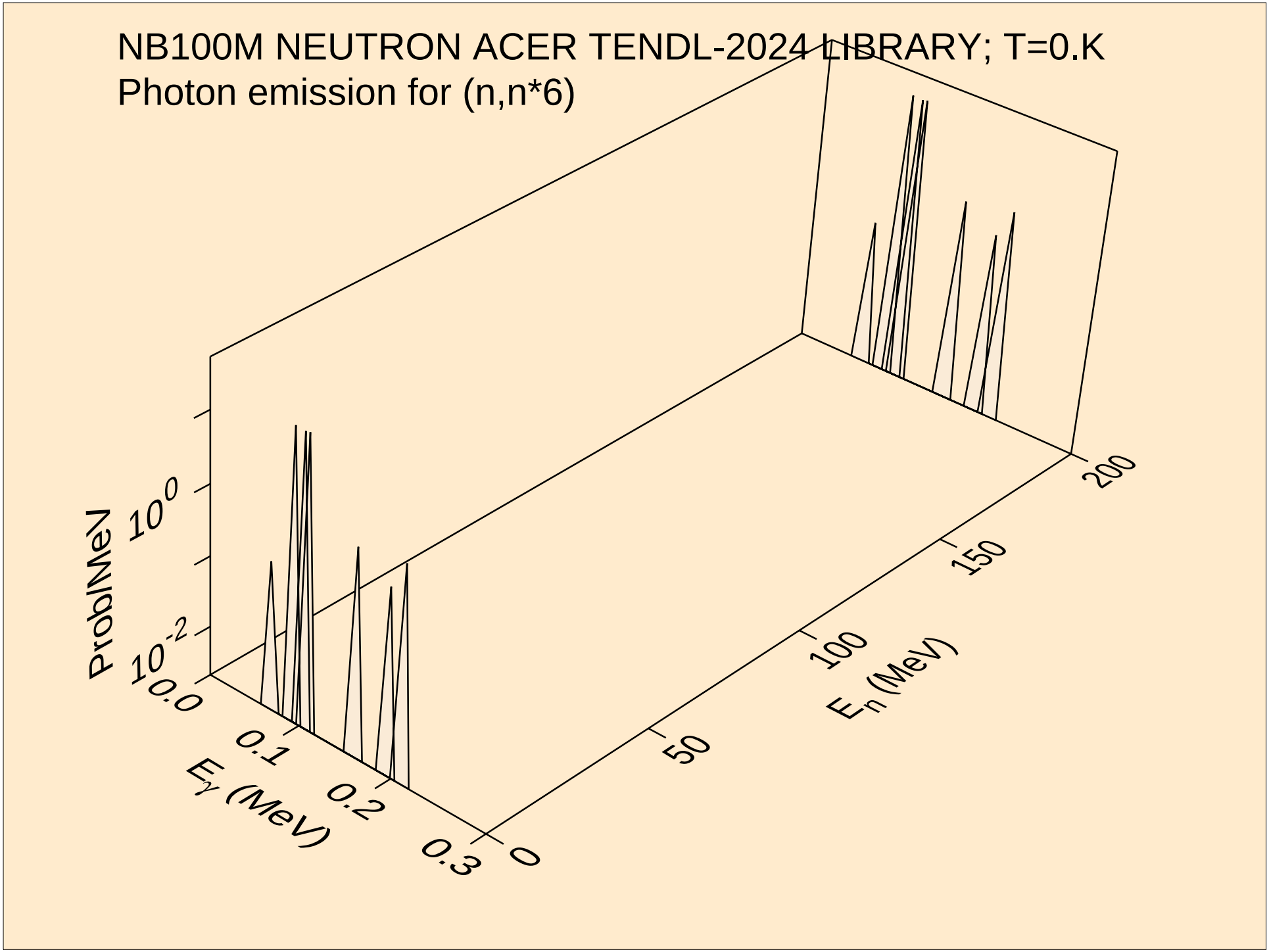

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
1
2
E_γ (MeV)
14
16
18
20
22
24
26
28
30
E_n (MeV)

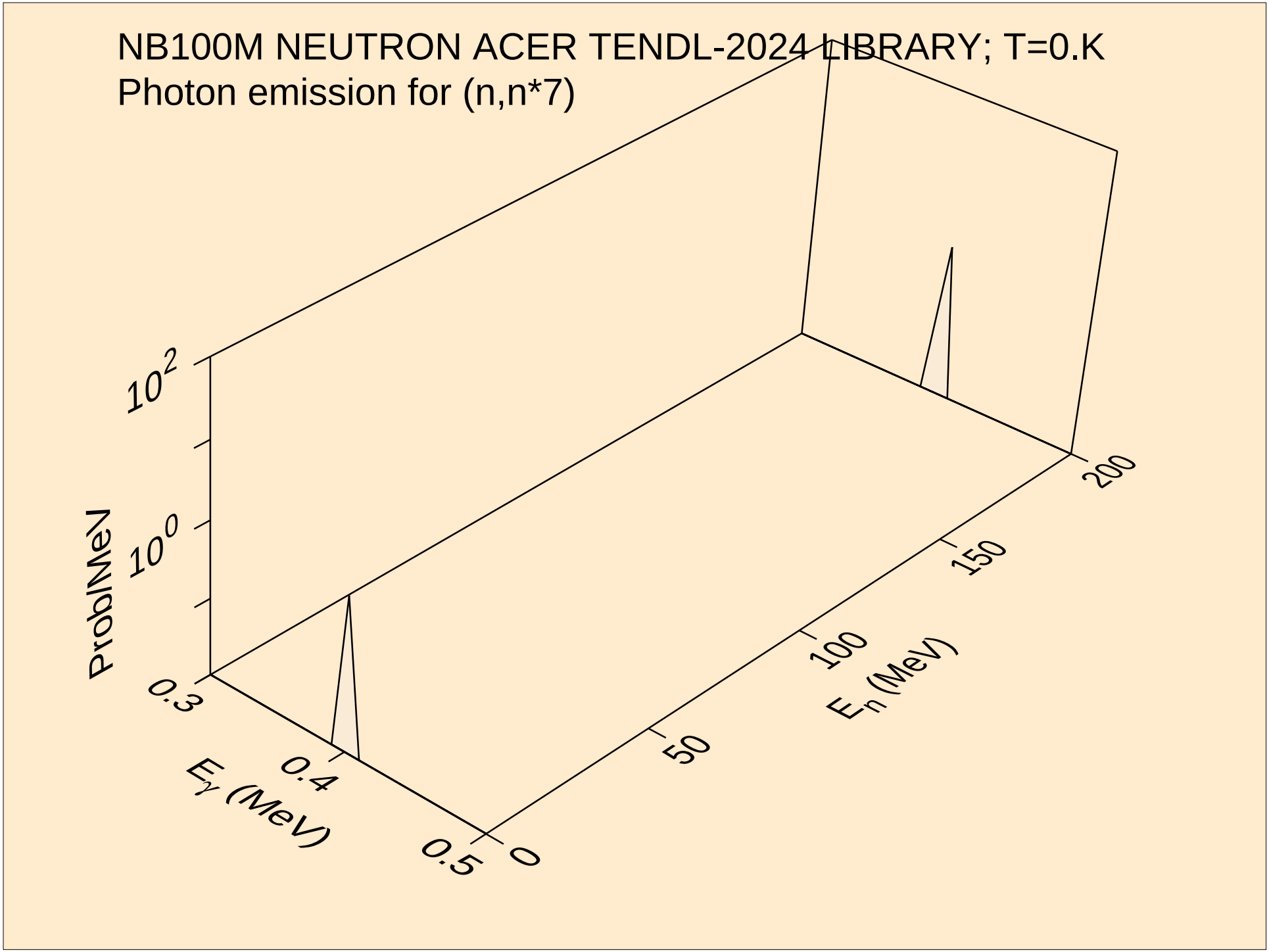

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*1)
Prob/MeV
10^2
10^0
40
60
80
E_γ (MeV)
*10 -3
0
50
100
150
200
E_n (MeV)

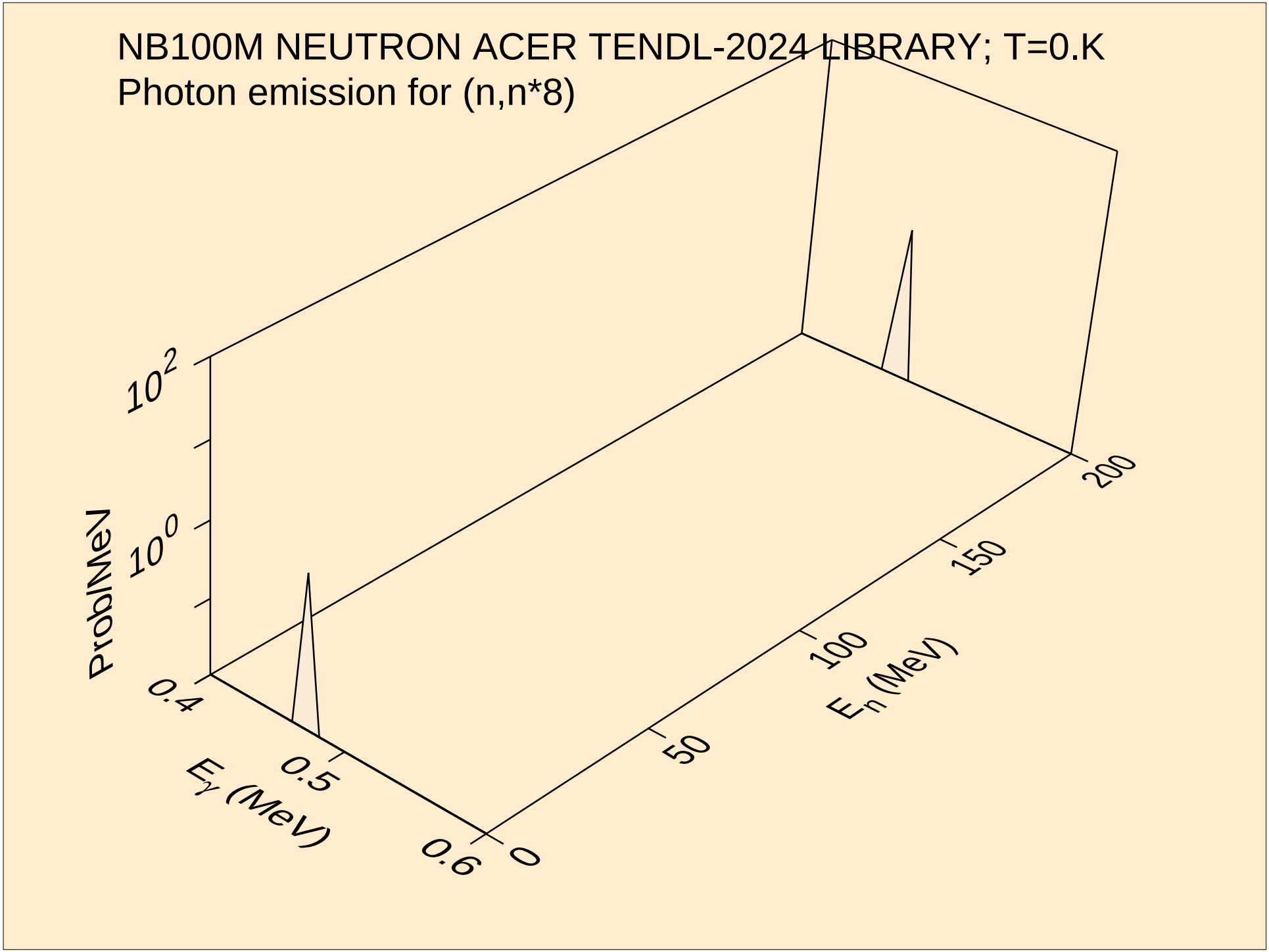

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*2)
Prob/MeV
10^0
10^-2
0.0
0.1
0.2
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

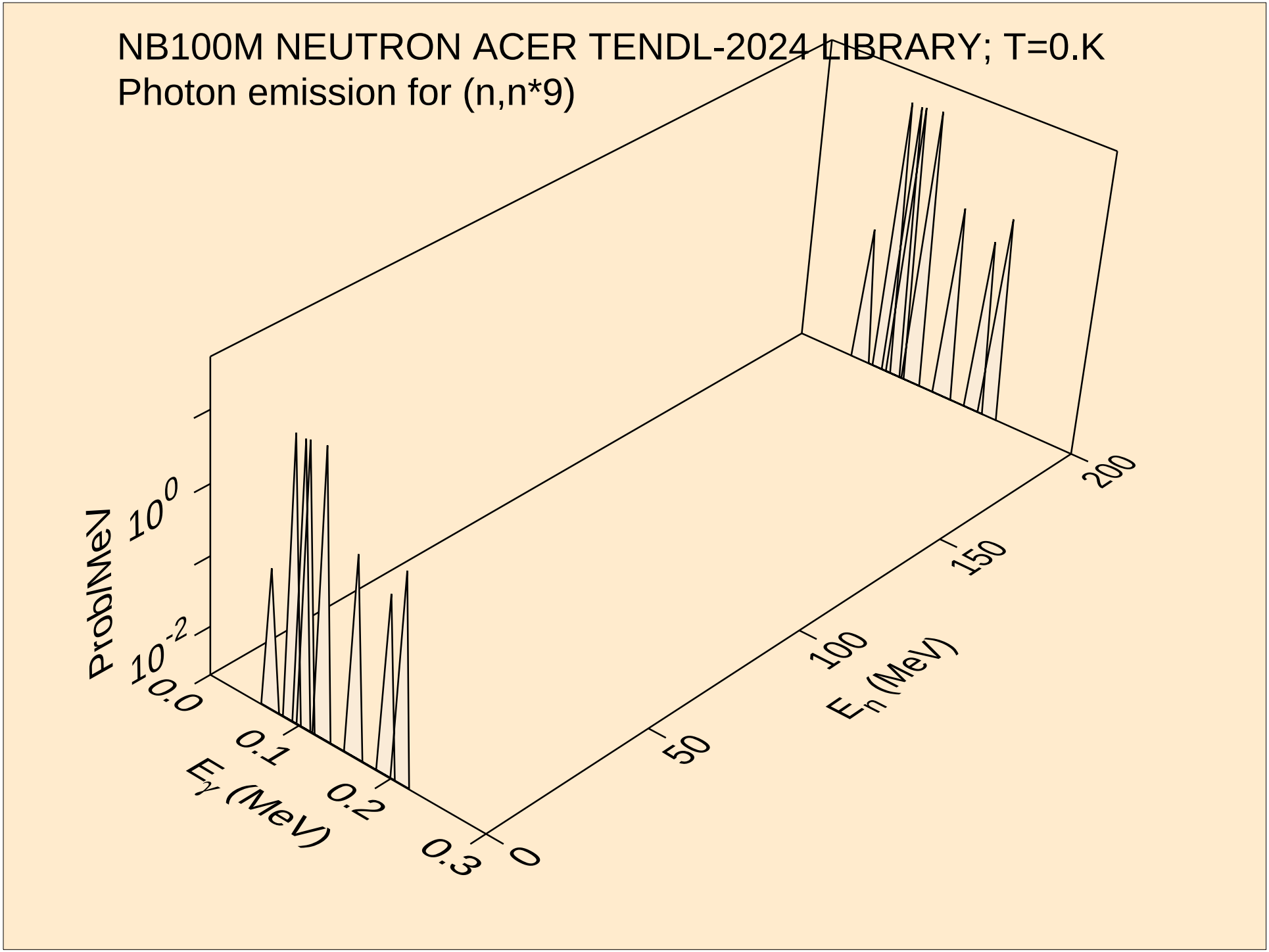

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*3)
Prob/MeV
10^0
10^-2
0.0
0.1
0.2
0.3
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

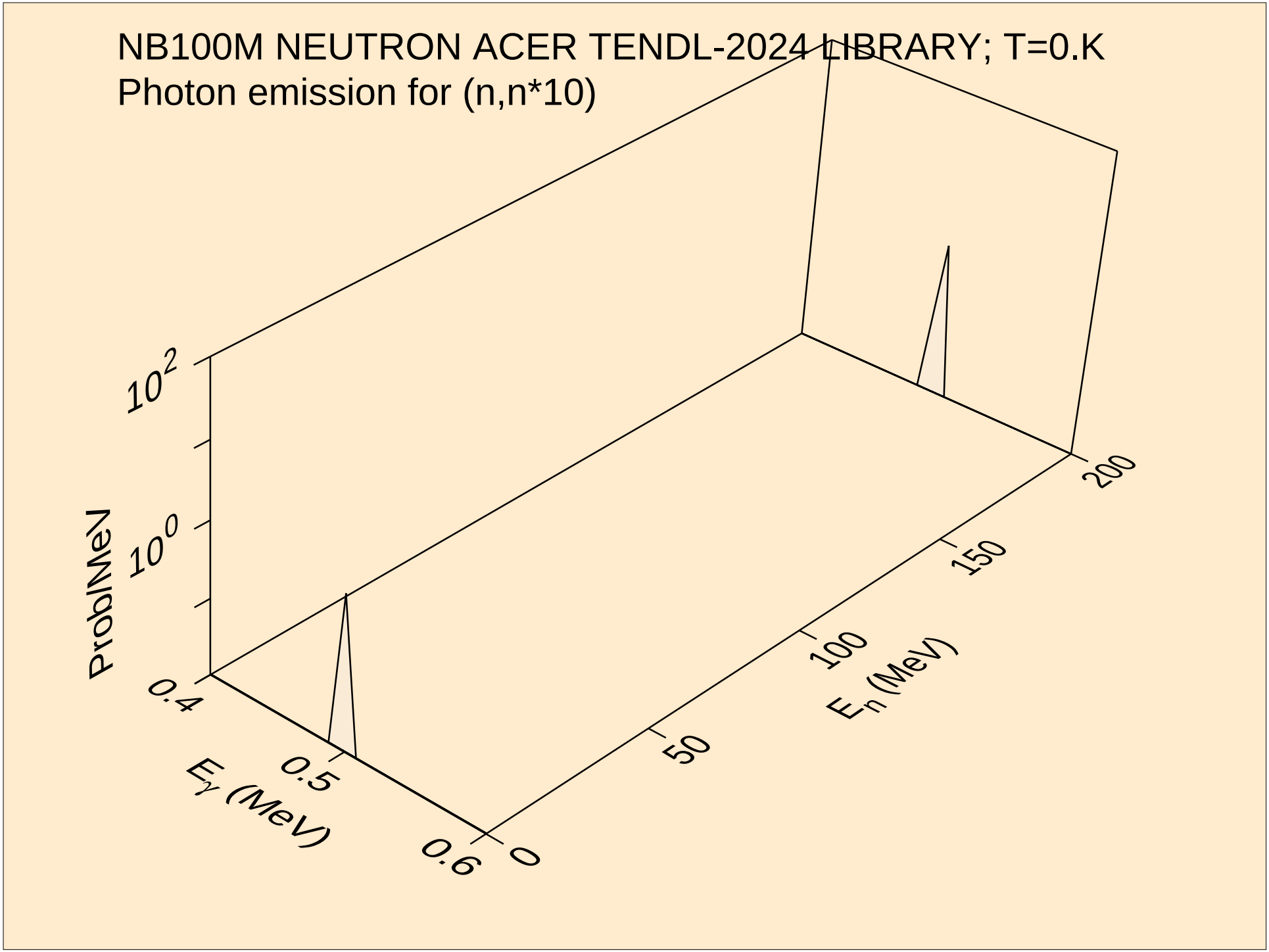

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*5)
Prob/MeV
10^2
10^0
20
40
60
E_γ (MeV)
*10 -3
0
50
100
150
200
E_n (MeV)

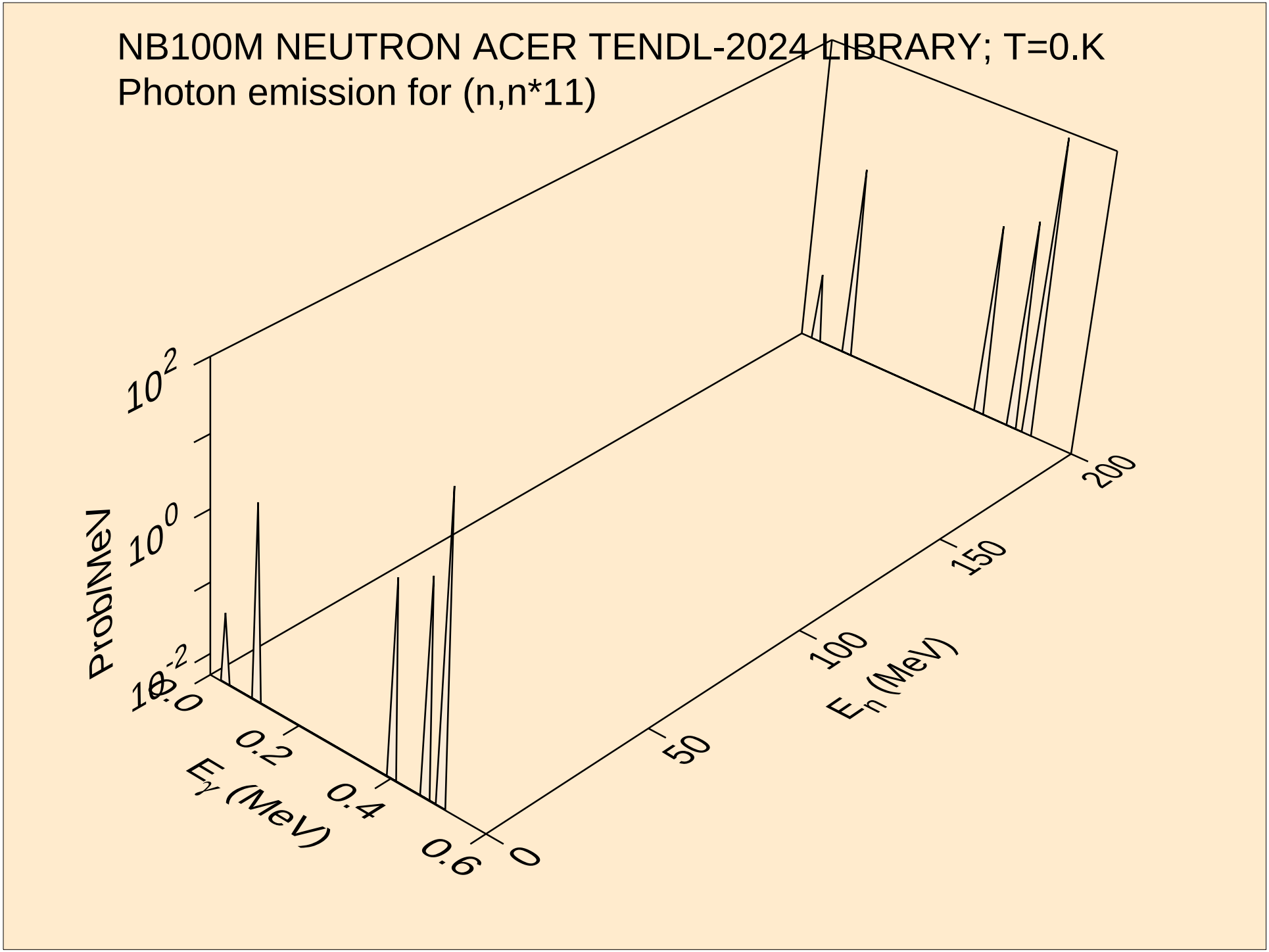

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*6)
Prob/MeV
10^0
10^-2
0.0
0.1
0.2
0.3
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

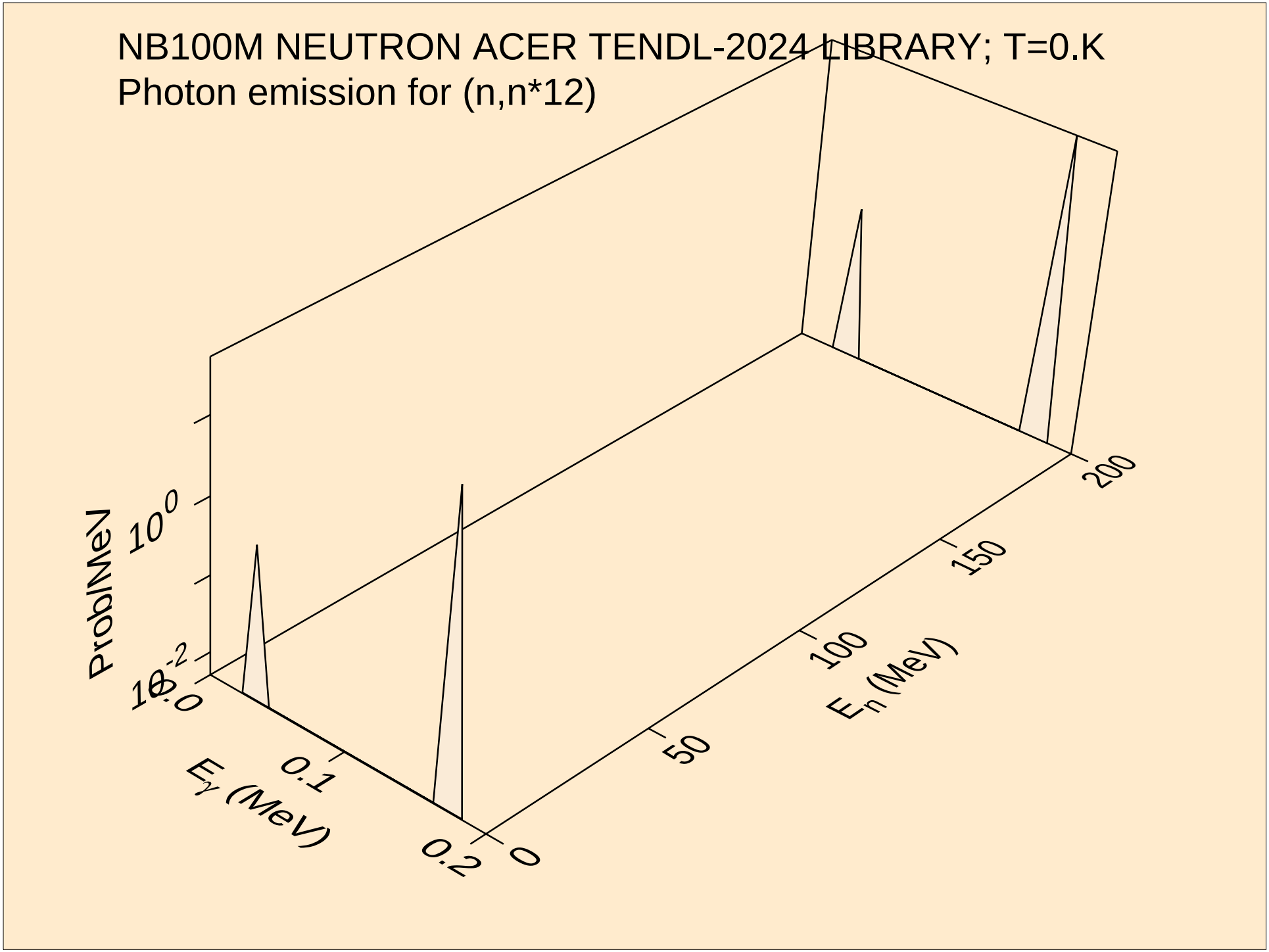

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*7)
Prob/MeV
10^2
10^0
0.3
0.4
0.5
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

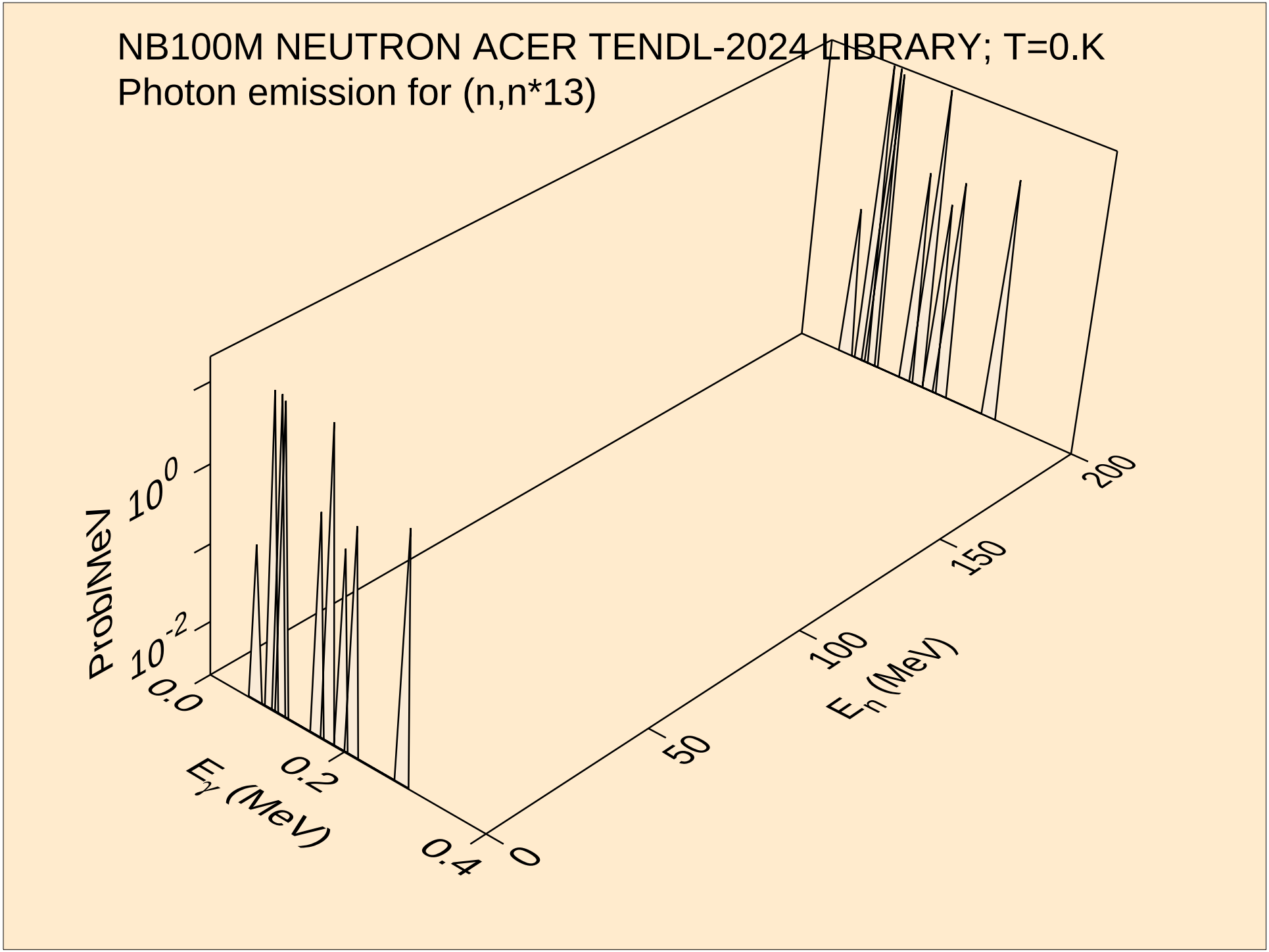

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*8)
10^2
10^0
Prob/MeV
0.4
0.5
0.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

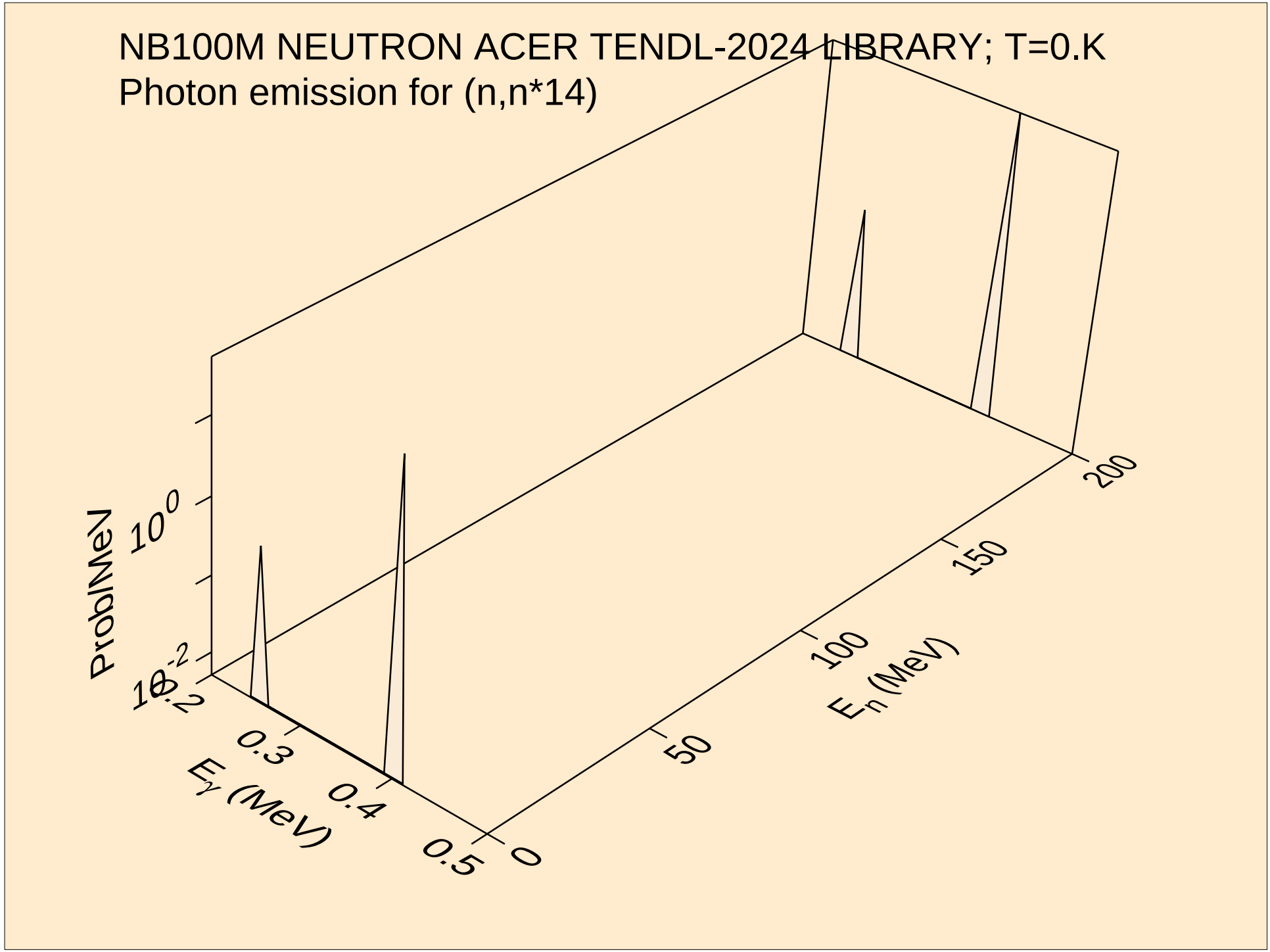

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*9)
Prob/MeV
10^0
10^-2
0.0
0.1
0.2
0.3
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

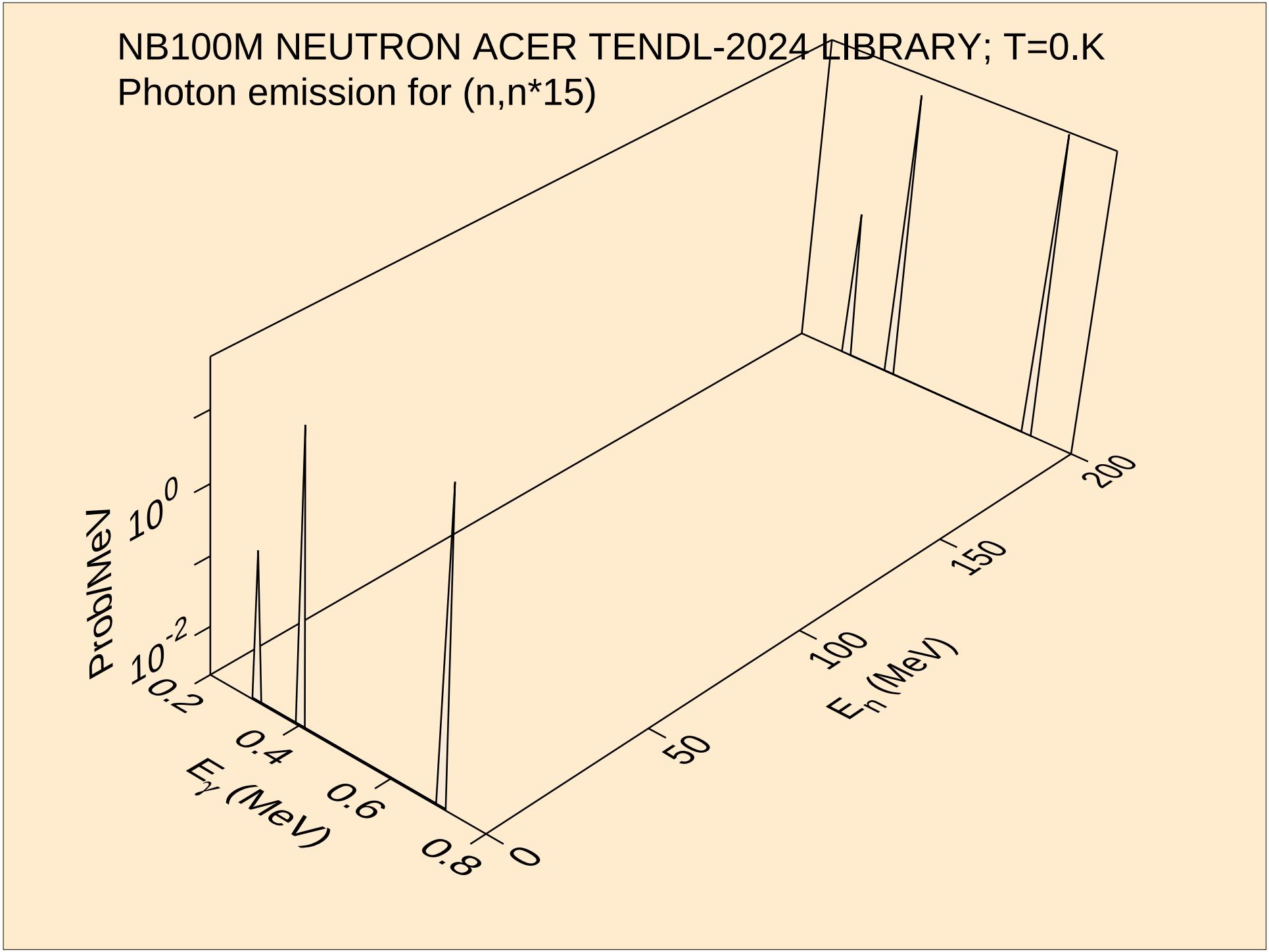

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*10)
Prob/MeV
10^2
10^0
0.4
0.5
0.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

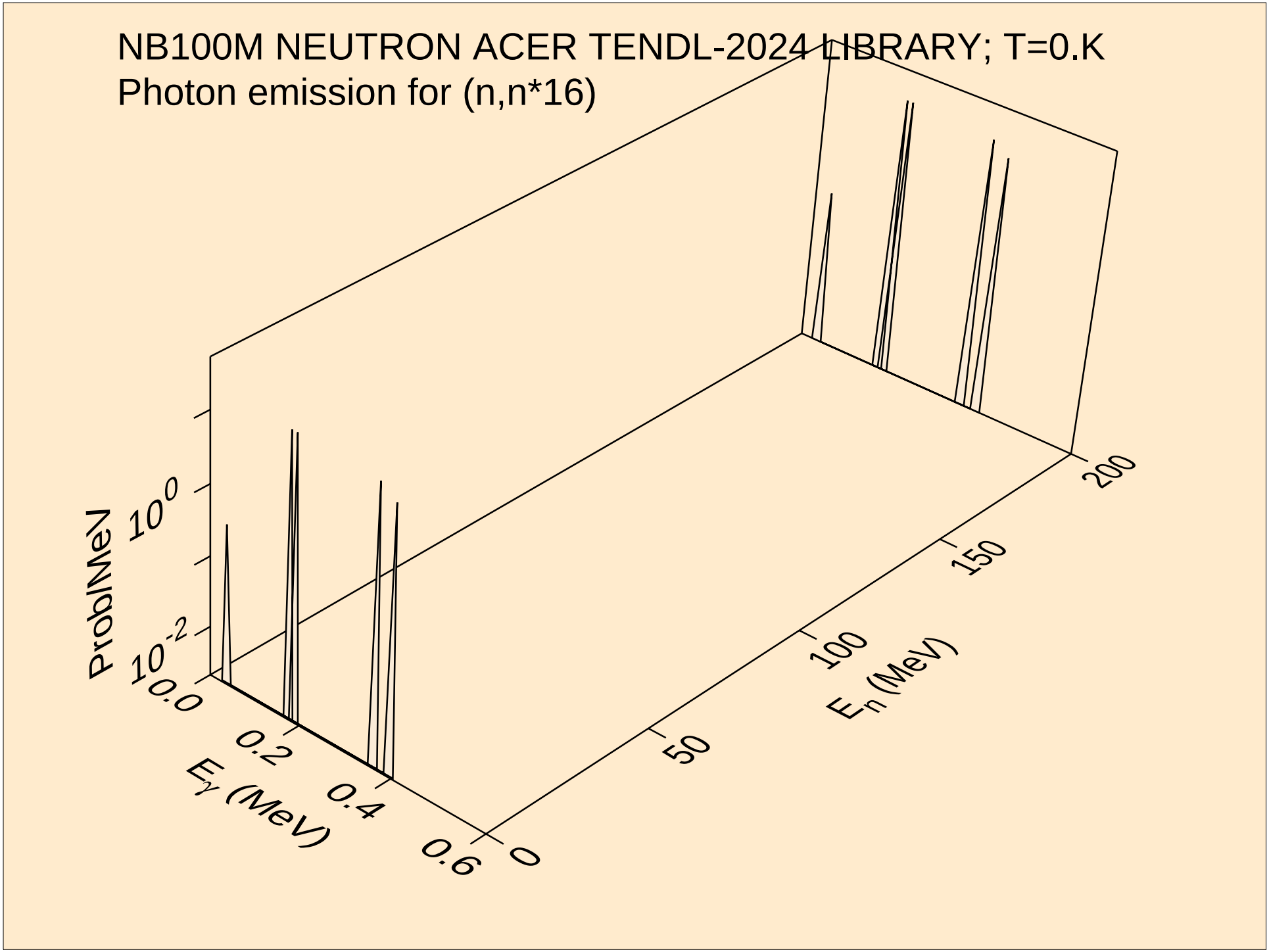

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*11)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0.0
0.2
0.4
0.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

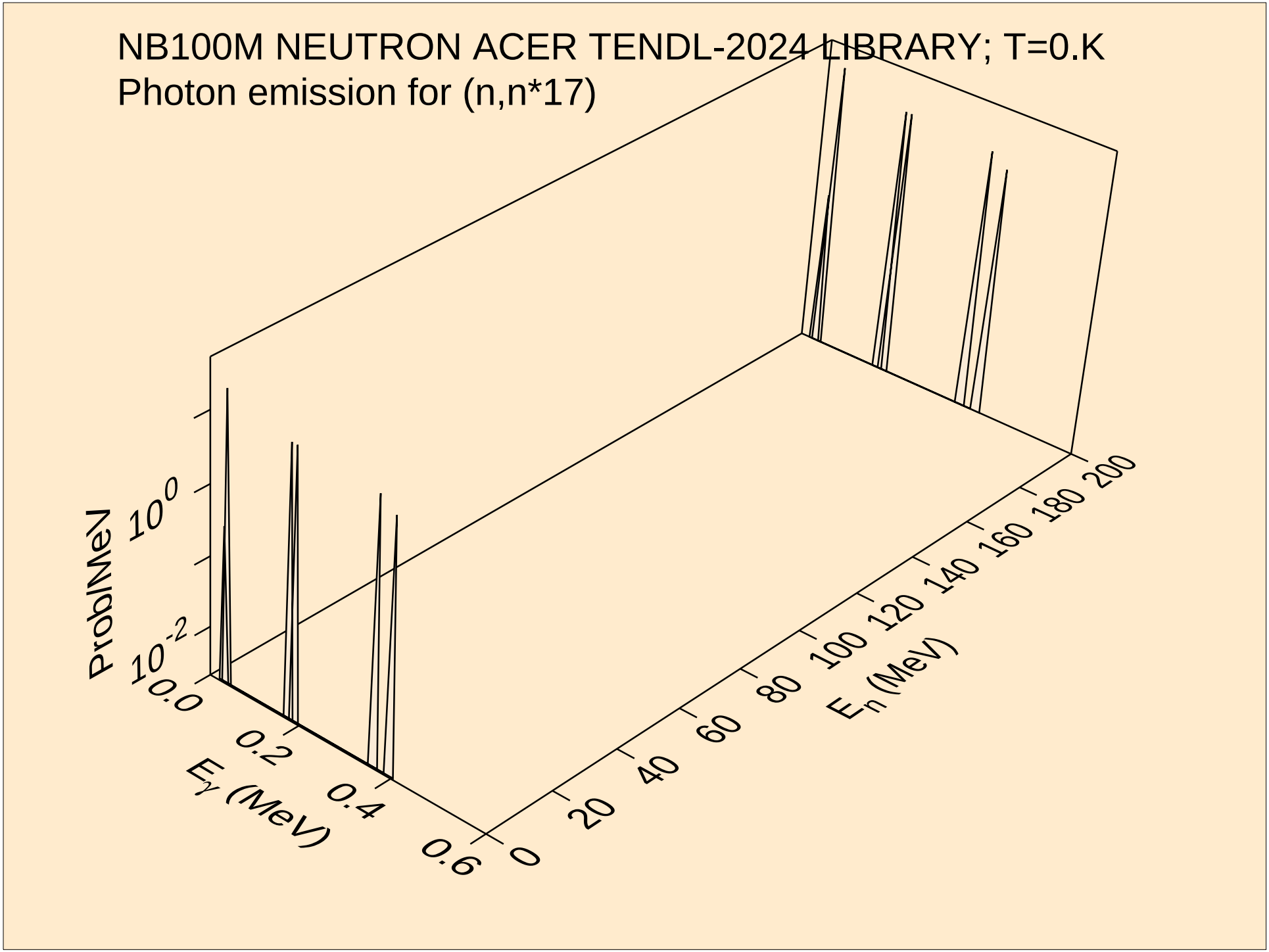

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*12)
Prob/MeV
10^{0}
10^{-2}
0.0
0.1
0.2
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

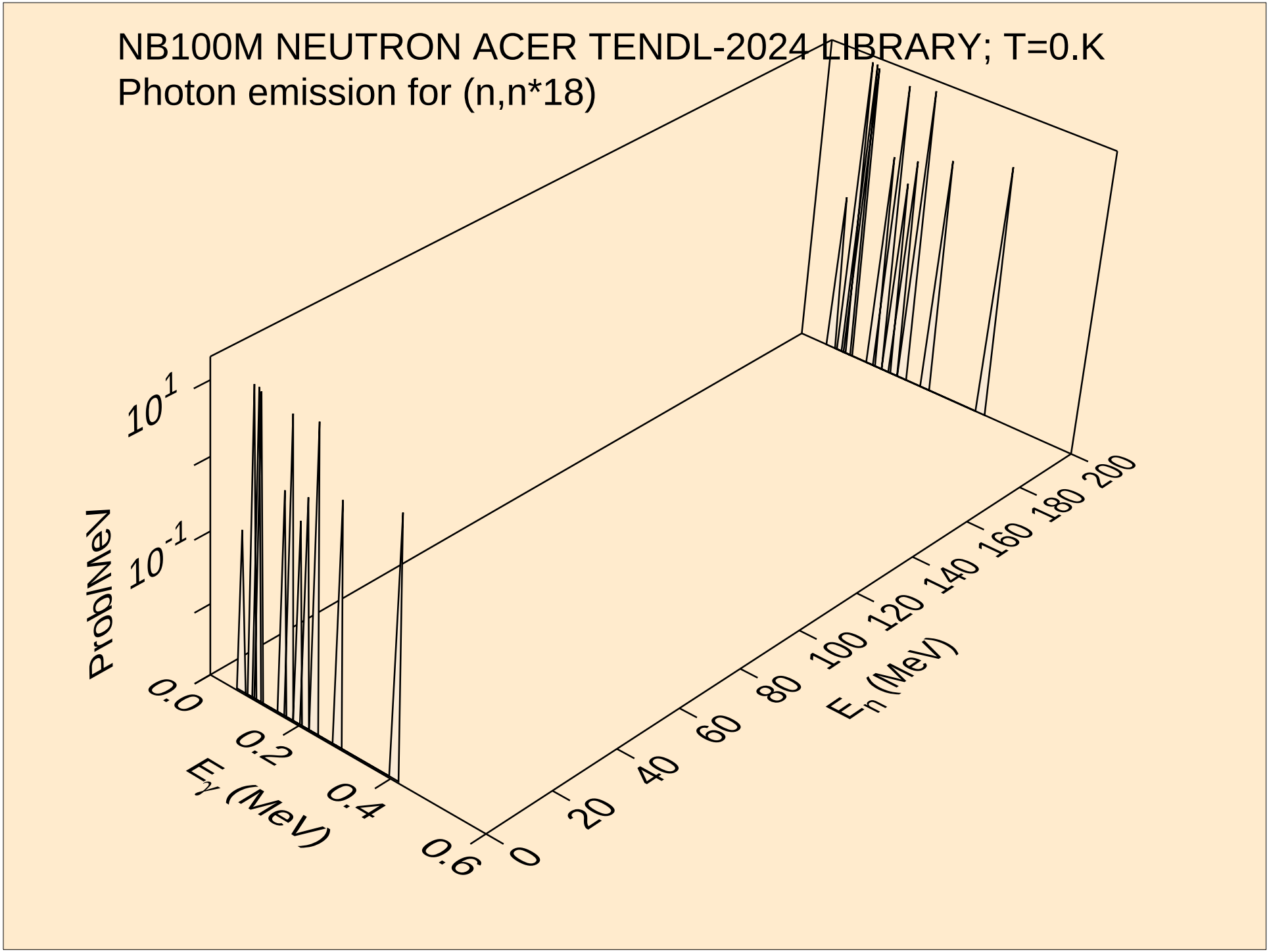

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*13)
Prob/MeV
10^{0}
10^{-2}
0.0
0.2
0.4
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

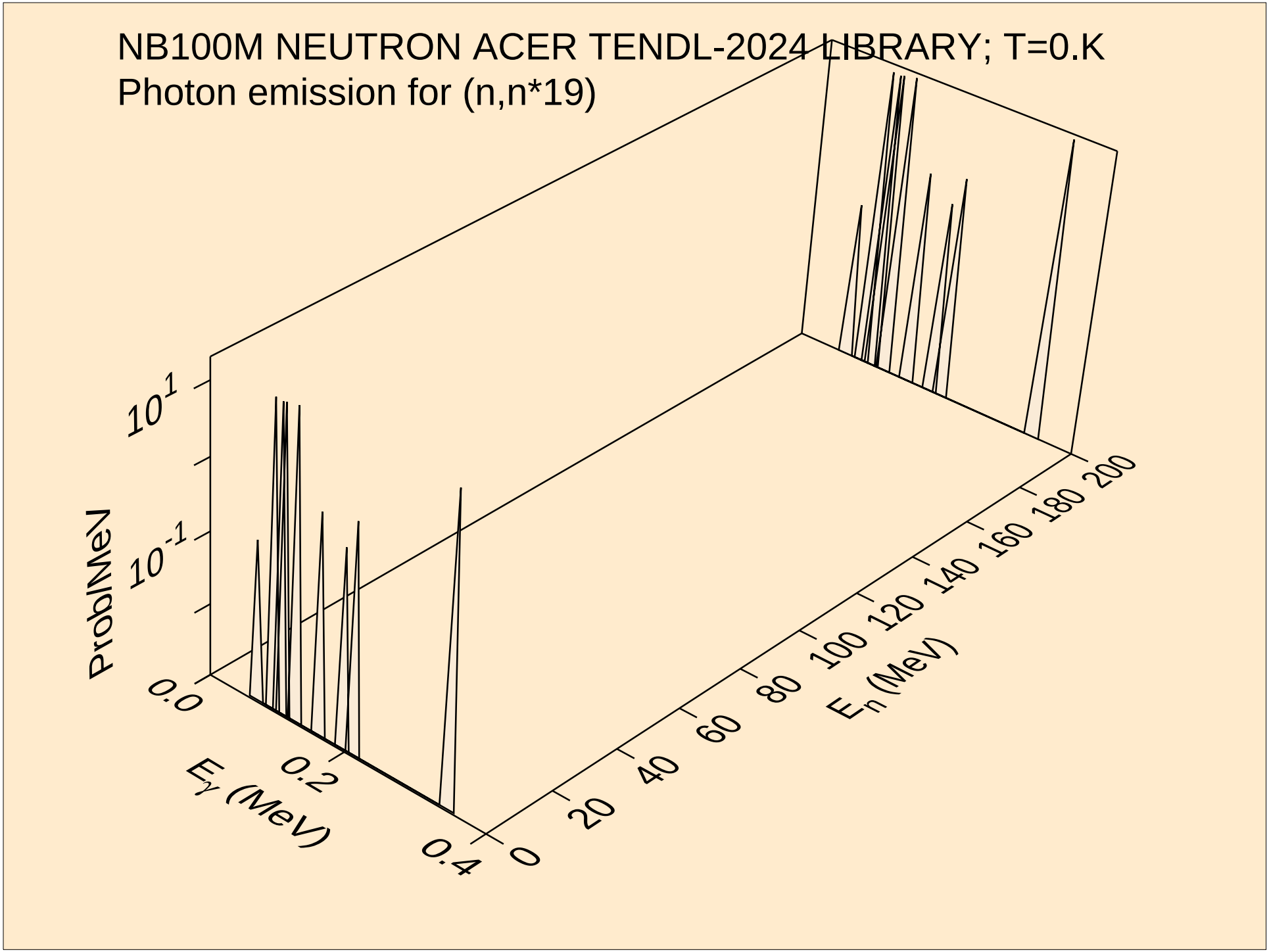

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*14)
Prob/MeV
10^{0}
10^{-2}
0.2
0.3
0.4
0.5
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

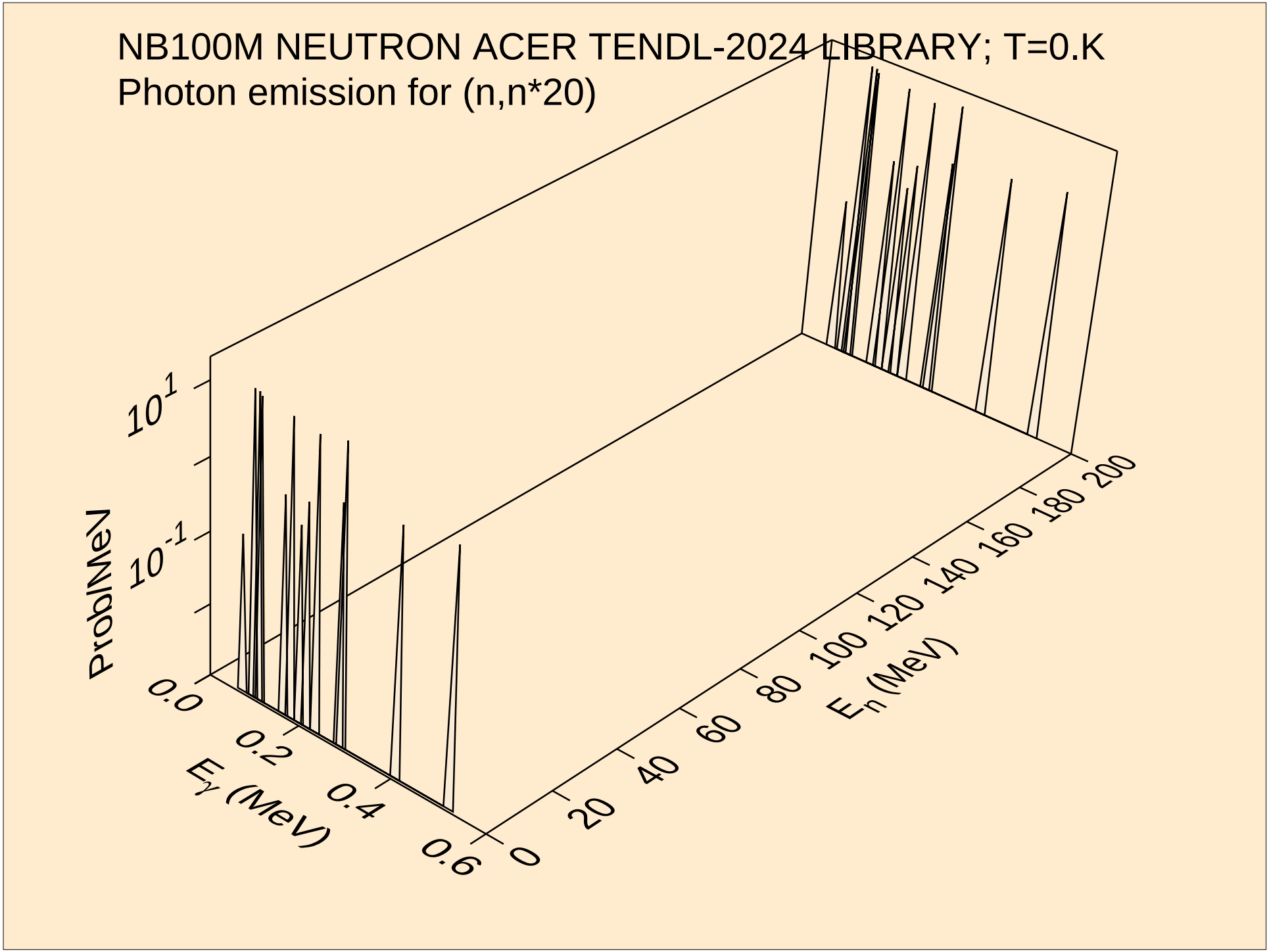

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*15)
Prob/MeV
10^0
10^-2
0.2
0.4
0.6
0.8
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

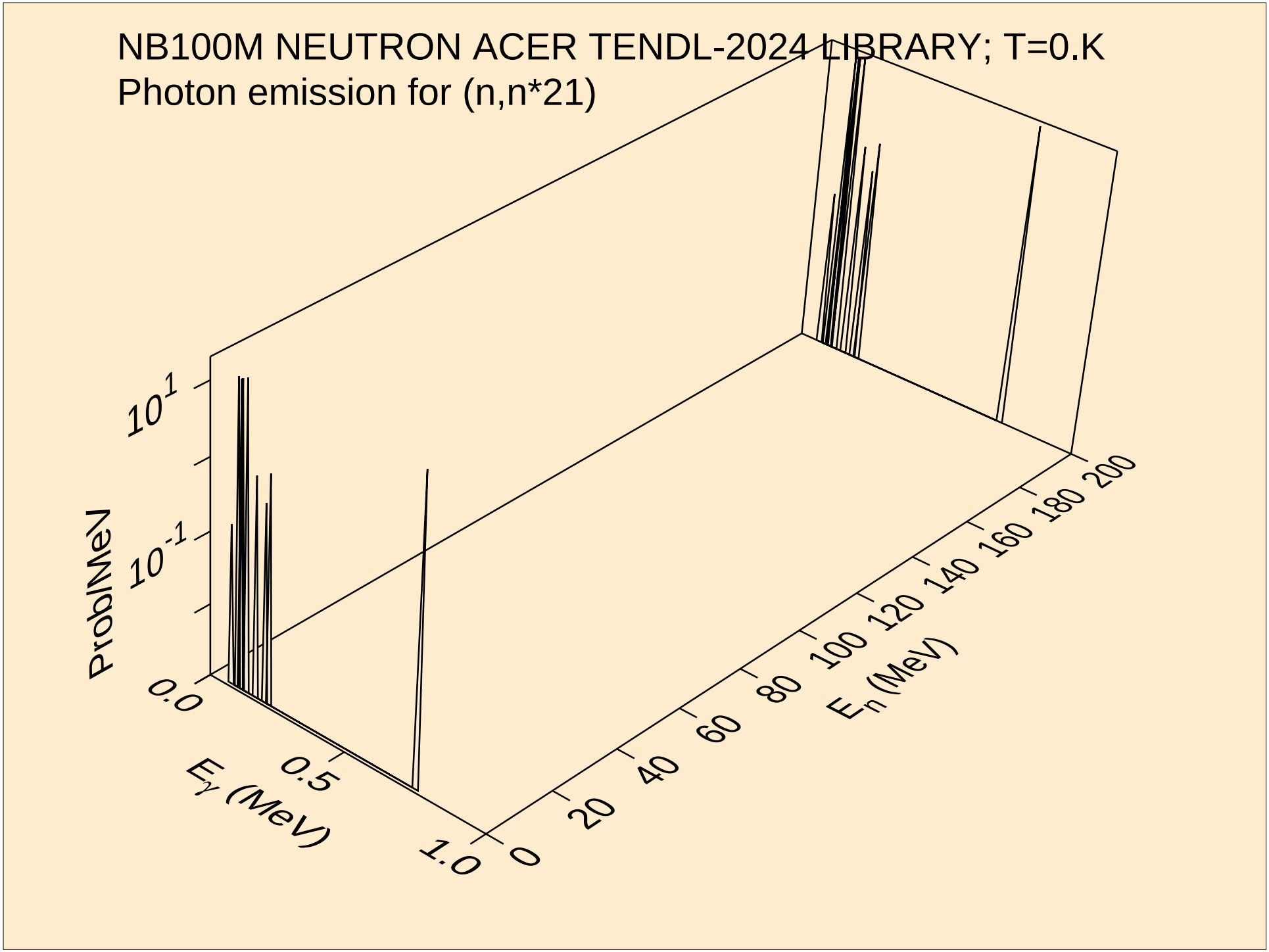

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*16)
Prob/MeV
10^0
10^-2
0.0
0.2
0.4
0.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

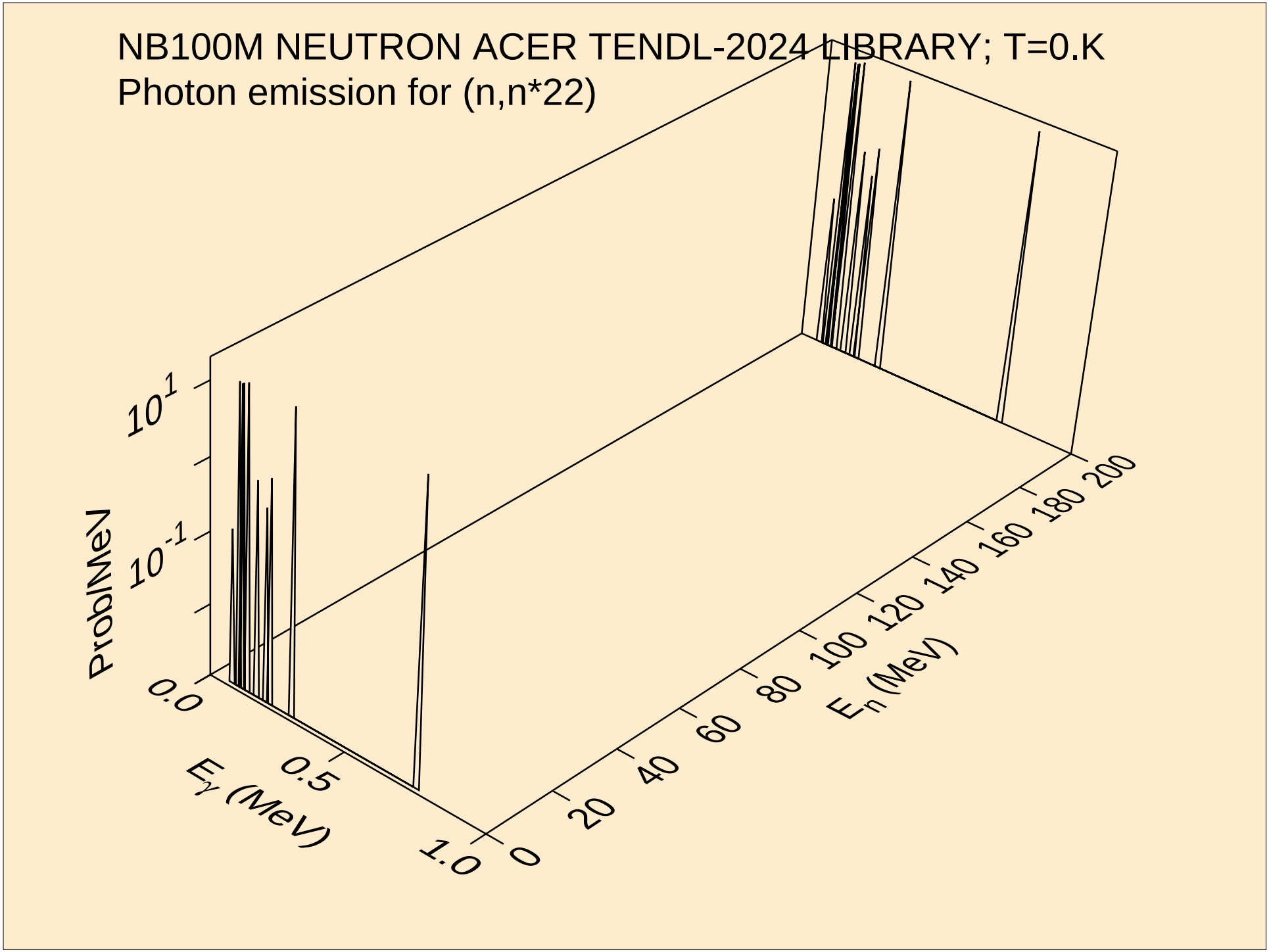

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*17)
Prob/MeV
10^{0}
10^{-2}
0.0
0.2
0.4
0.6
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

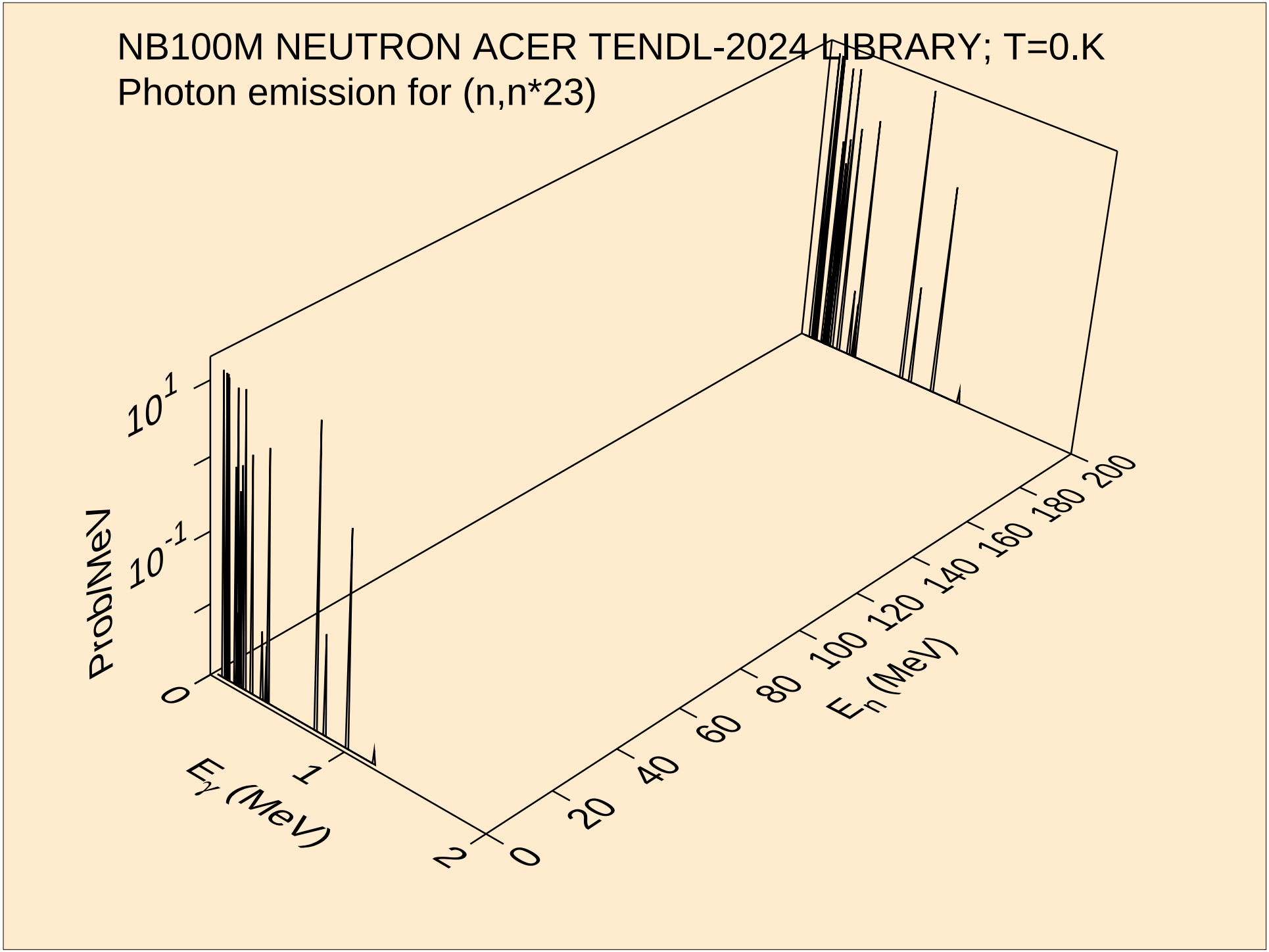

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*18)
Prob/MeV
10^{1}
10^{-1}
0.0
0.2
0.4
0.6
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

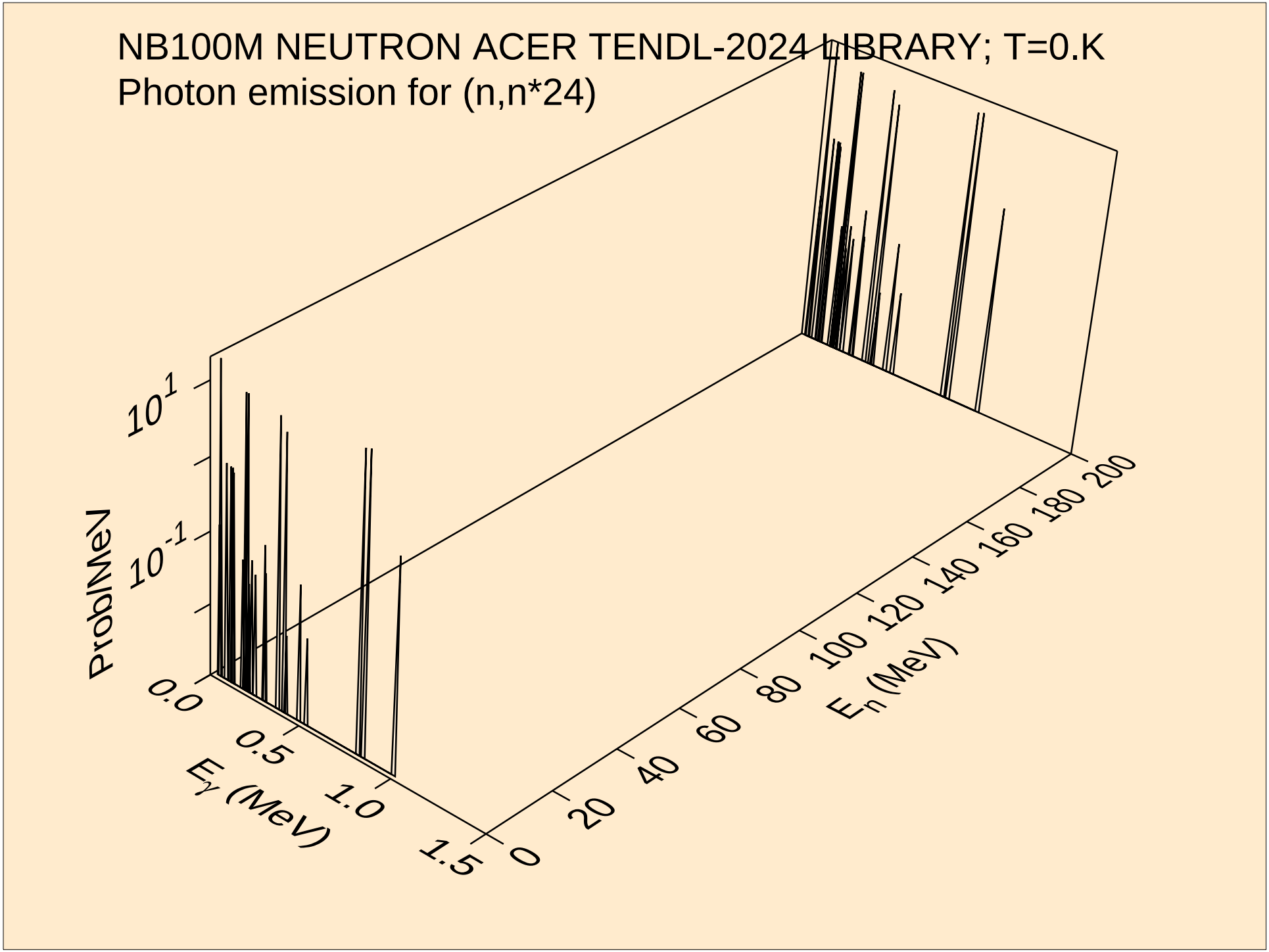

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*19)
Prob/MeV
10^{1}
10^{-1}
0.0
0.2
0.4
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

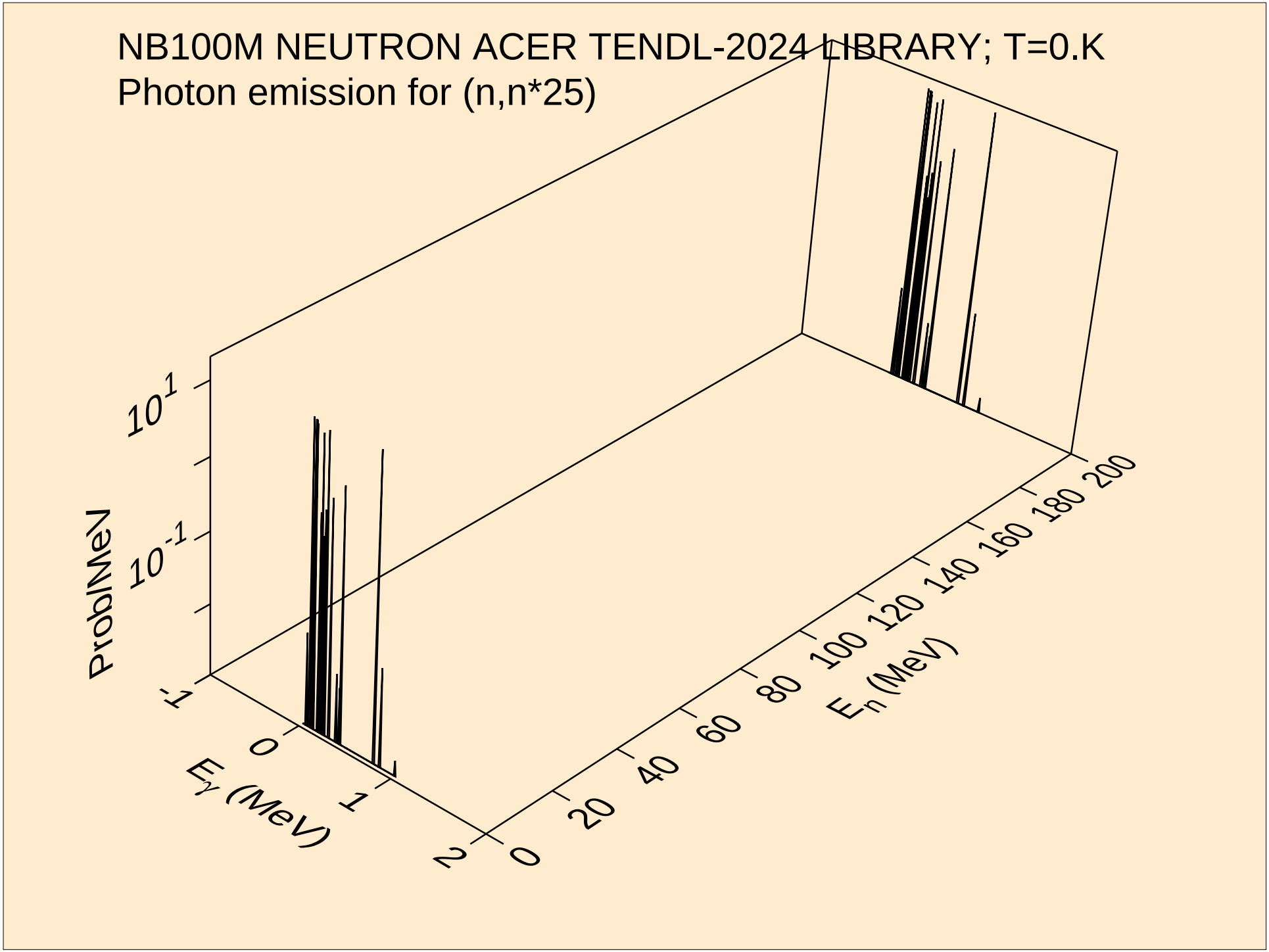

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*20)
Prob/MeV
10^{1}
10^{-1}
0.0
0.2
0.4
0.6
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

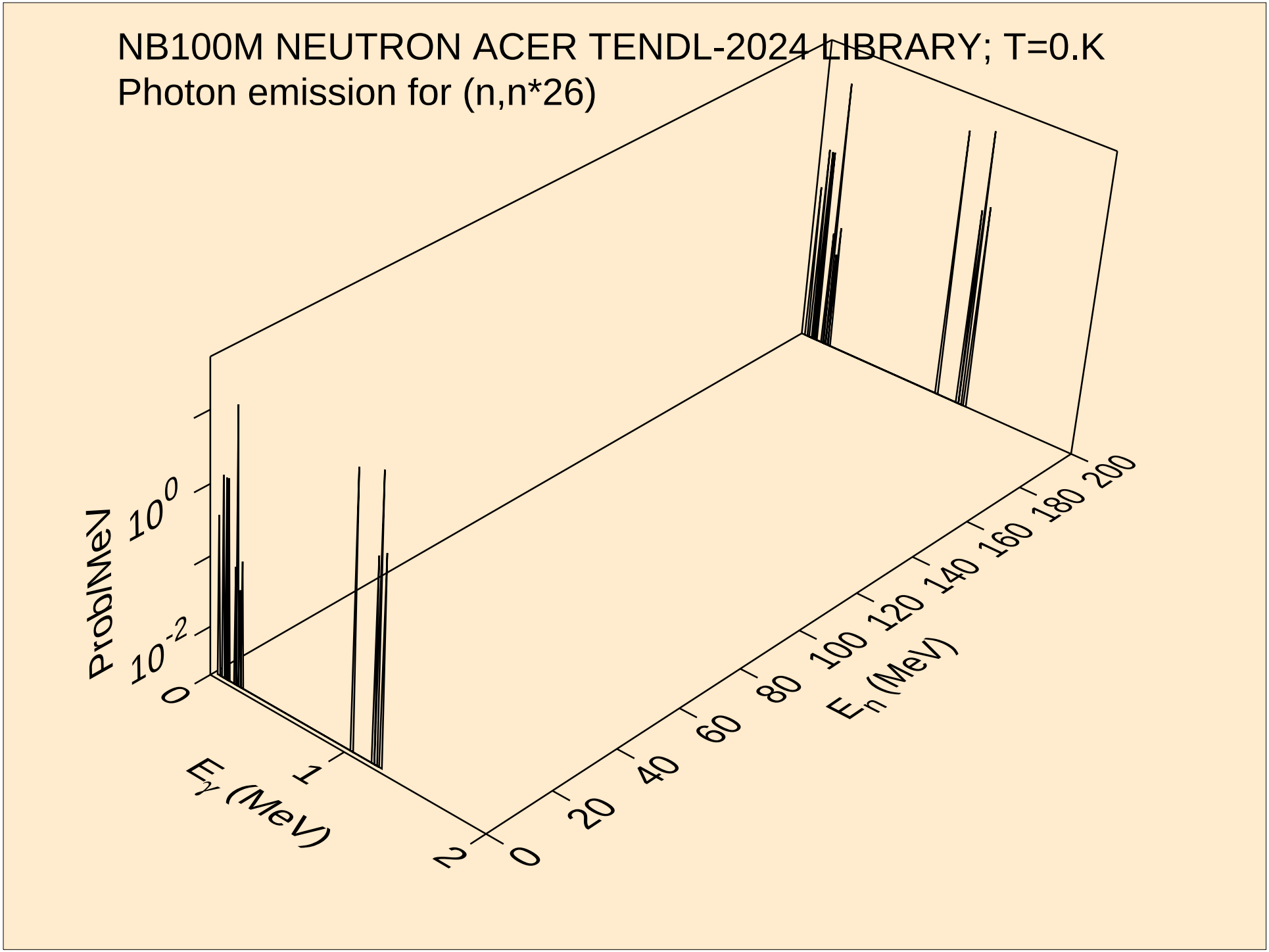

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*21)
Prob/MeV
10^{1}
10^{-1}
0.0
0.5
1.0
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

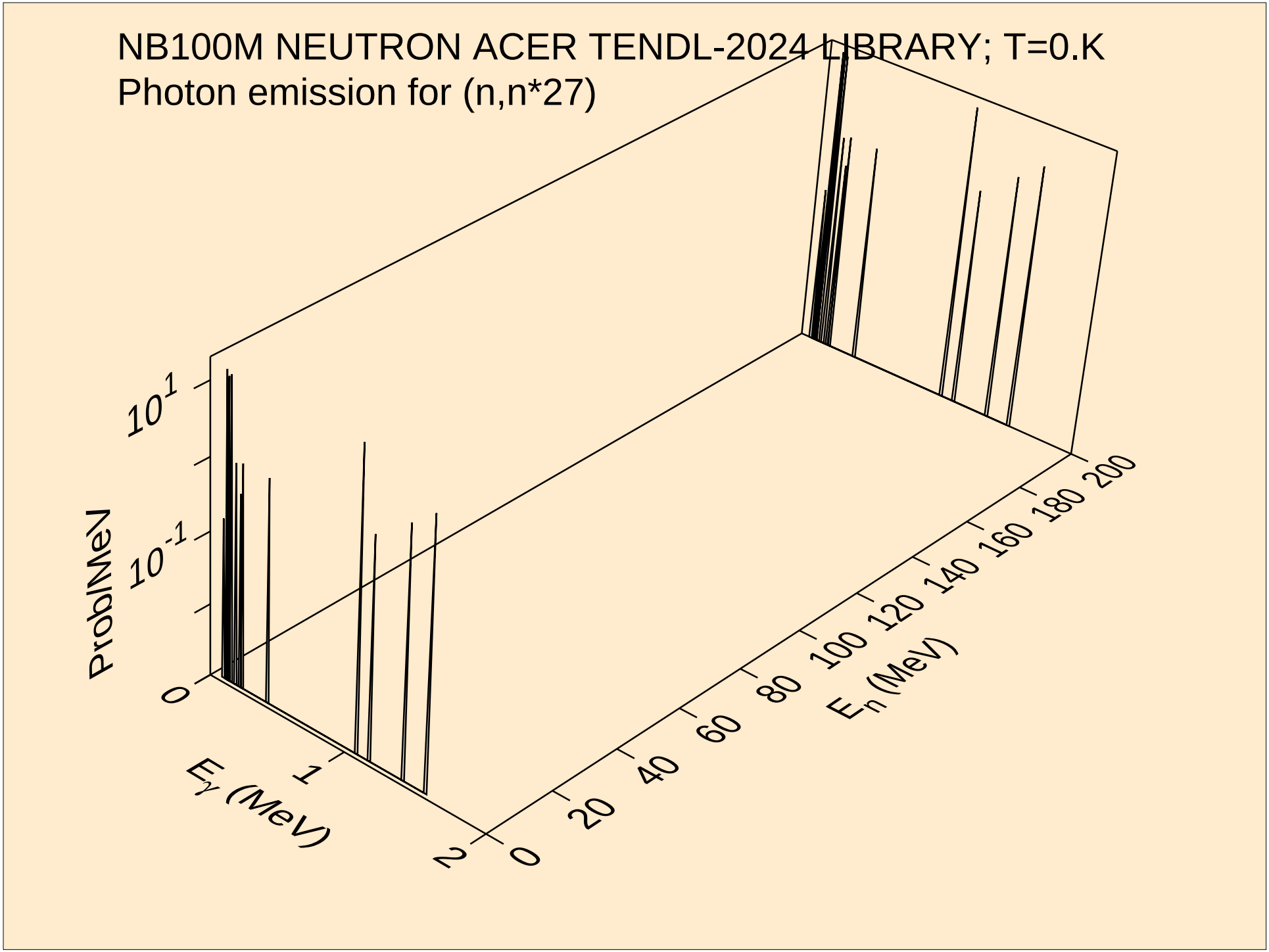

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*22)
Prob/MeV
10^{1}
10^{-1}
0.0
0.5
1.0
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

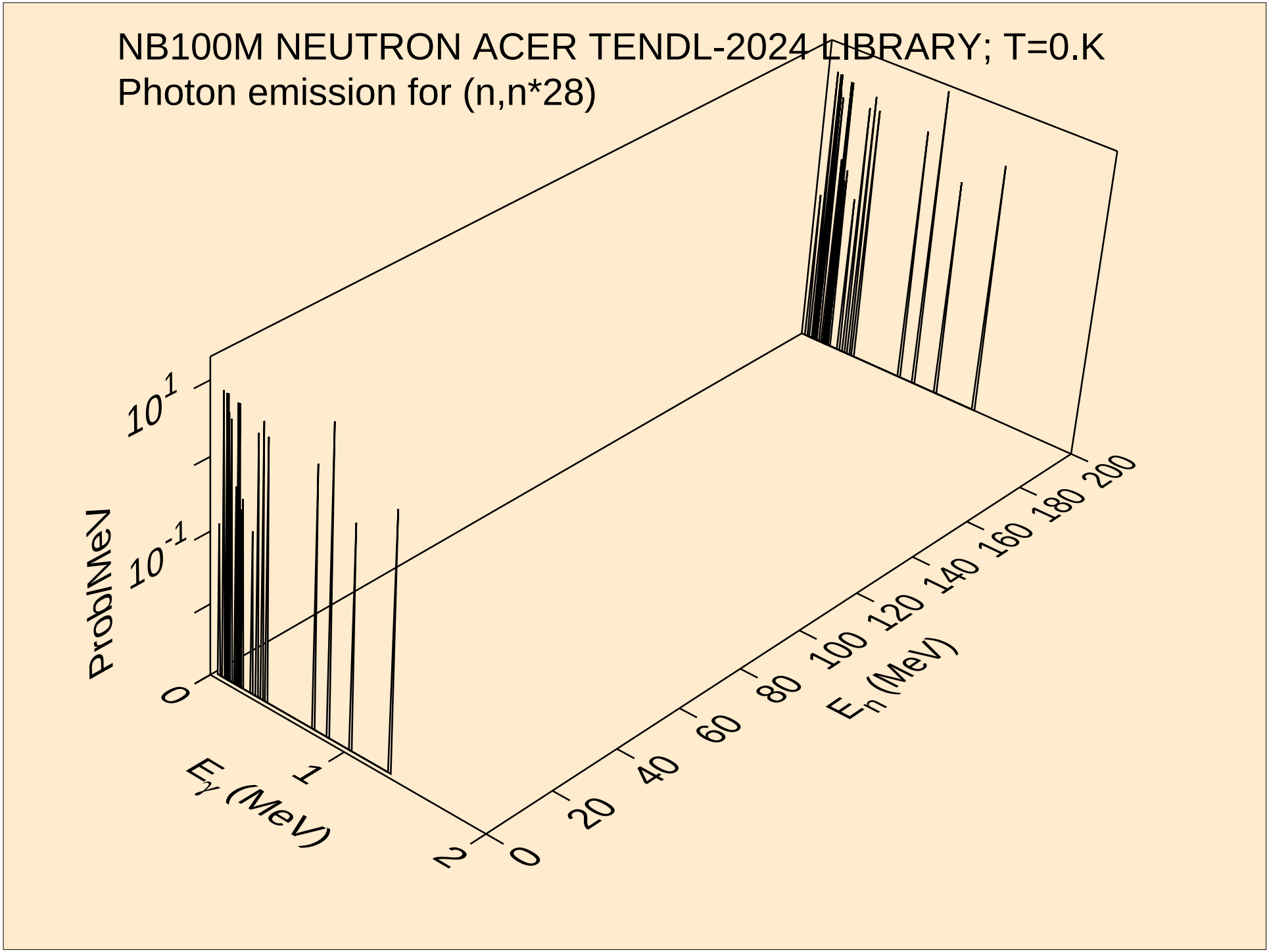

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*23)
Prob/MeV
10^{1}
10^{-1}
0
E_γ (MeV)
1
2
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

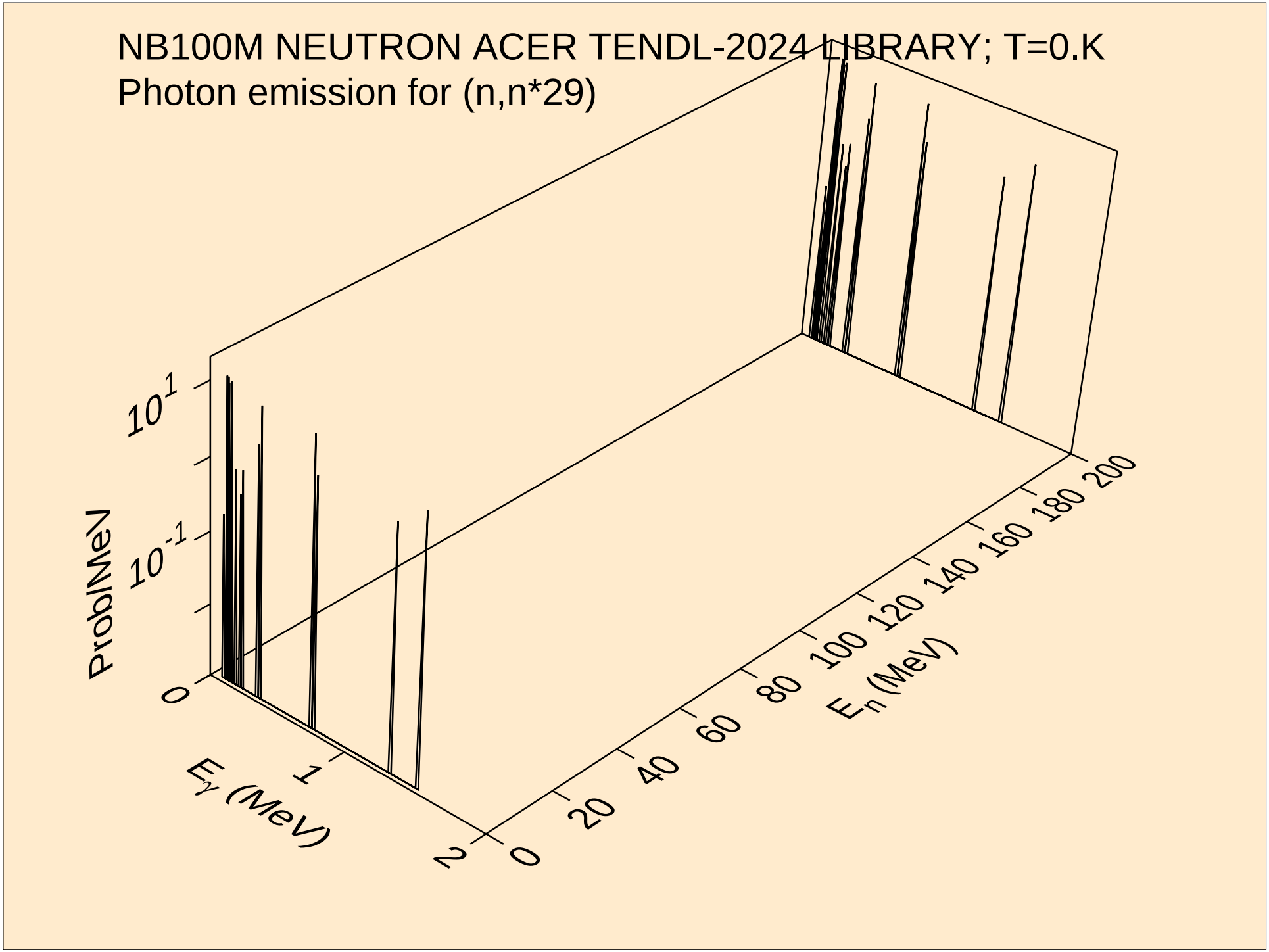

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*24)
Prob/MeV
10^{1}
10^{-1}
0.0
0.5
1.0
1.5
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

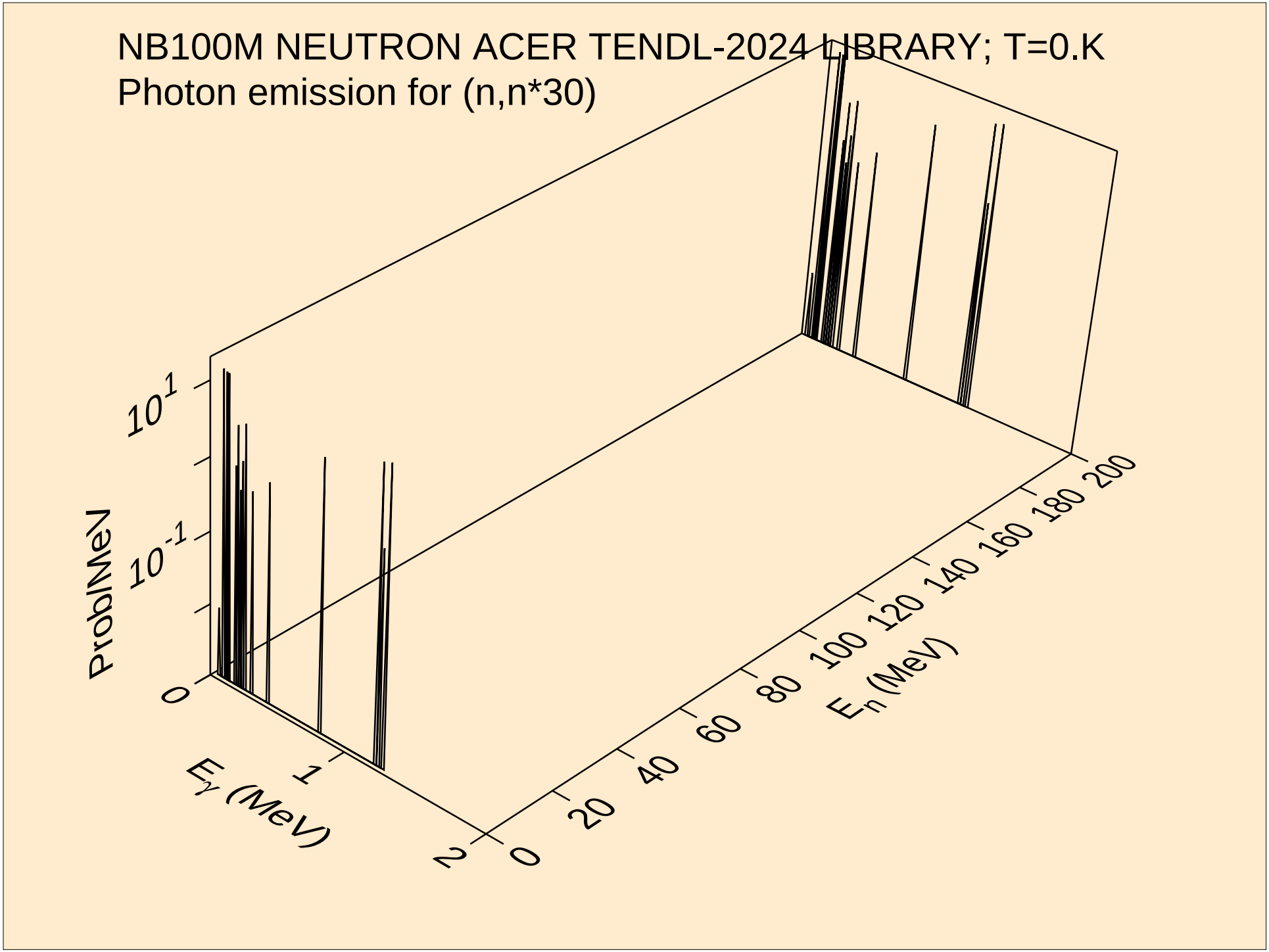

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*25)
Prob/MeV
10^{1}
10^{-1}
-1
0
1
2
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

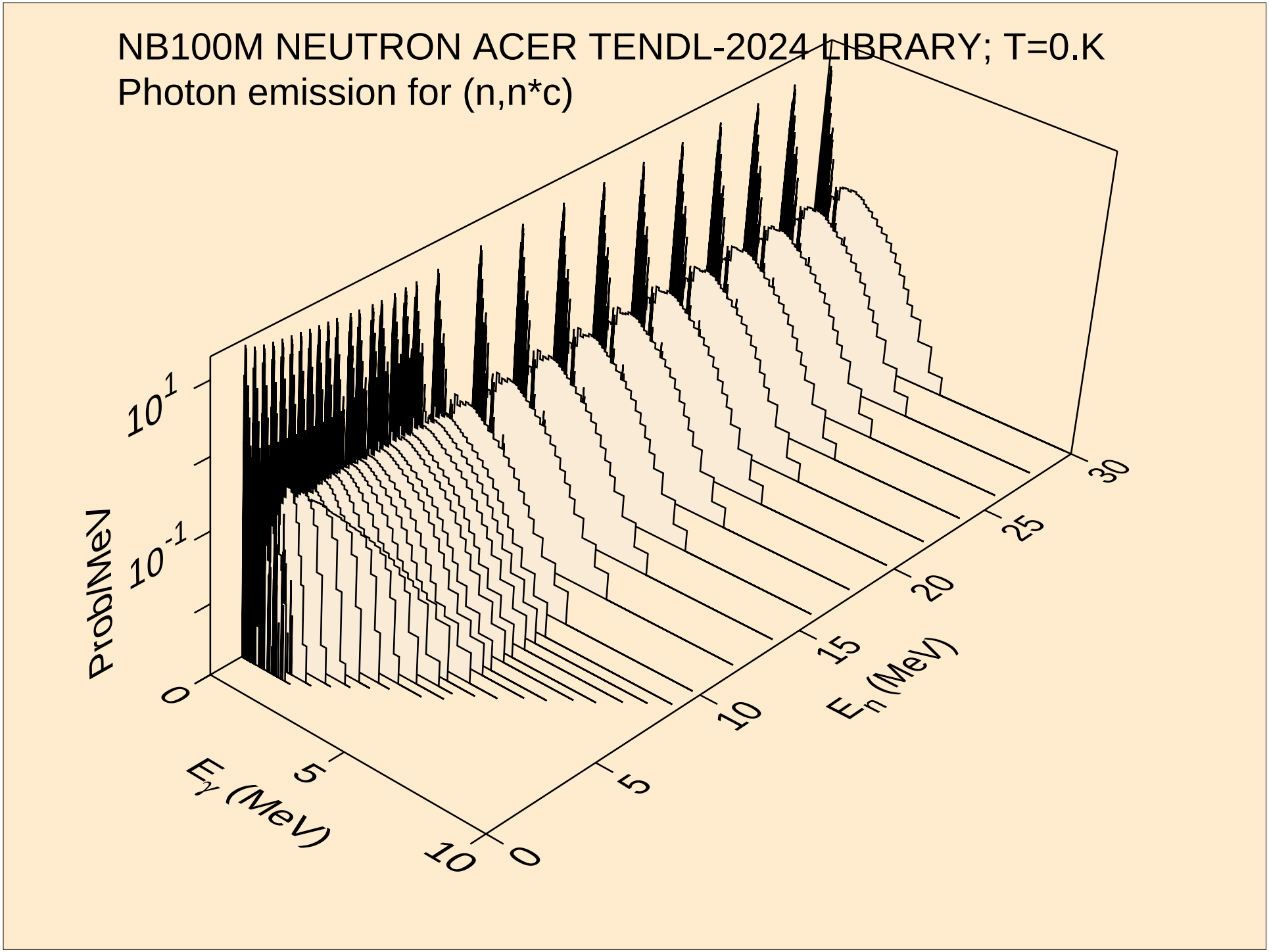

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*26)
Prob/MeV
10^0
10^-2
0
1
2
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

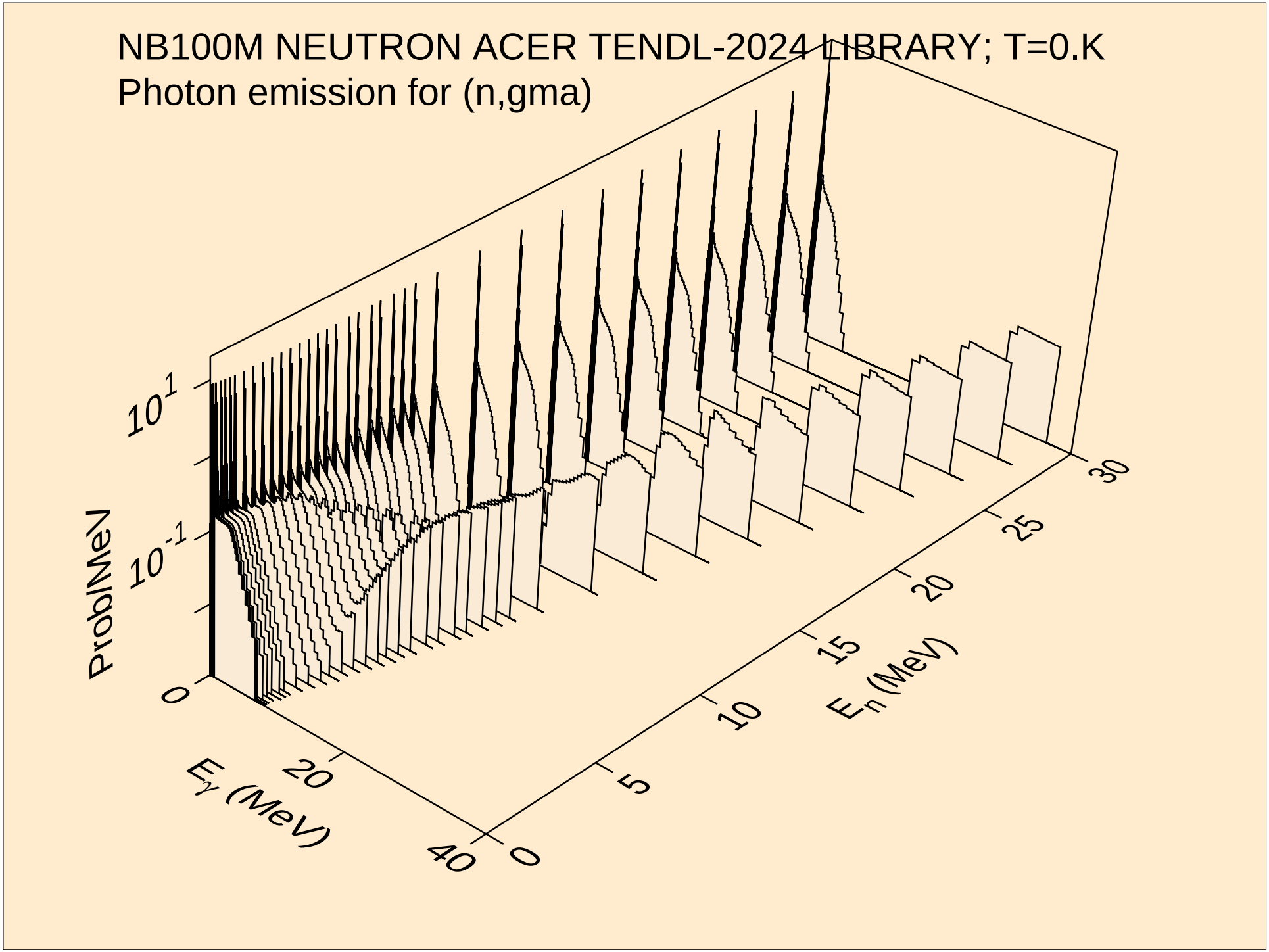

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*27)
Prob/MeV
10^{1}
10^{-1}
0
E_γ (MeV)
1
2
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

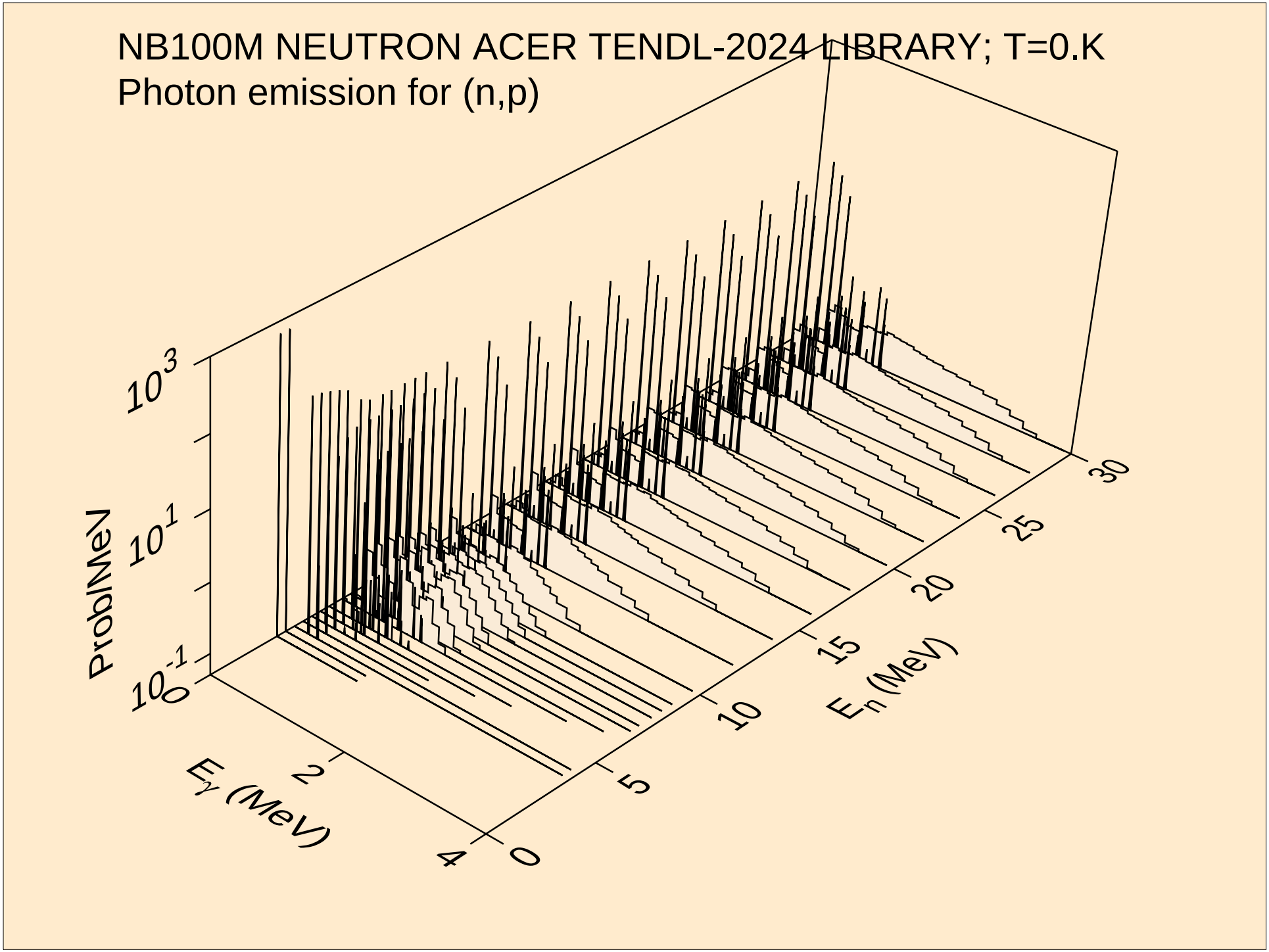

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*28)
Prob/MeV
10^{1}
10^{-1}
0
E_γ (MeV)
1
2
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

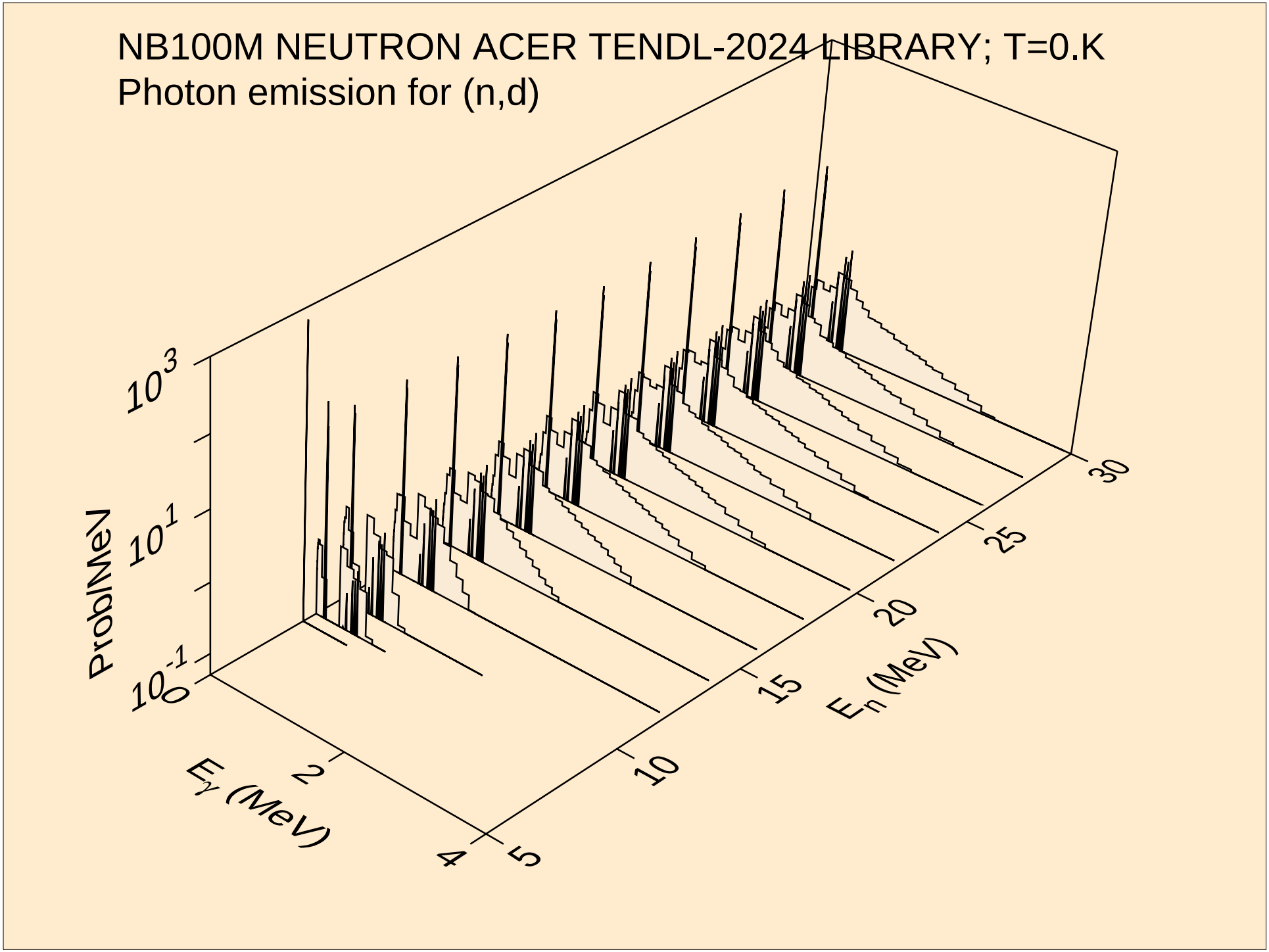

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*29)
Prob/MeV
10^{1}
10^{-1}
0
1
2
E_γ (MeV)
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

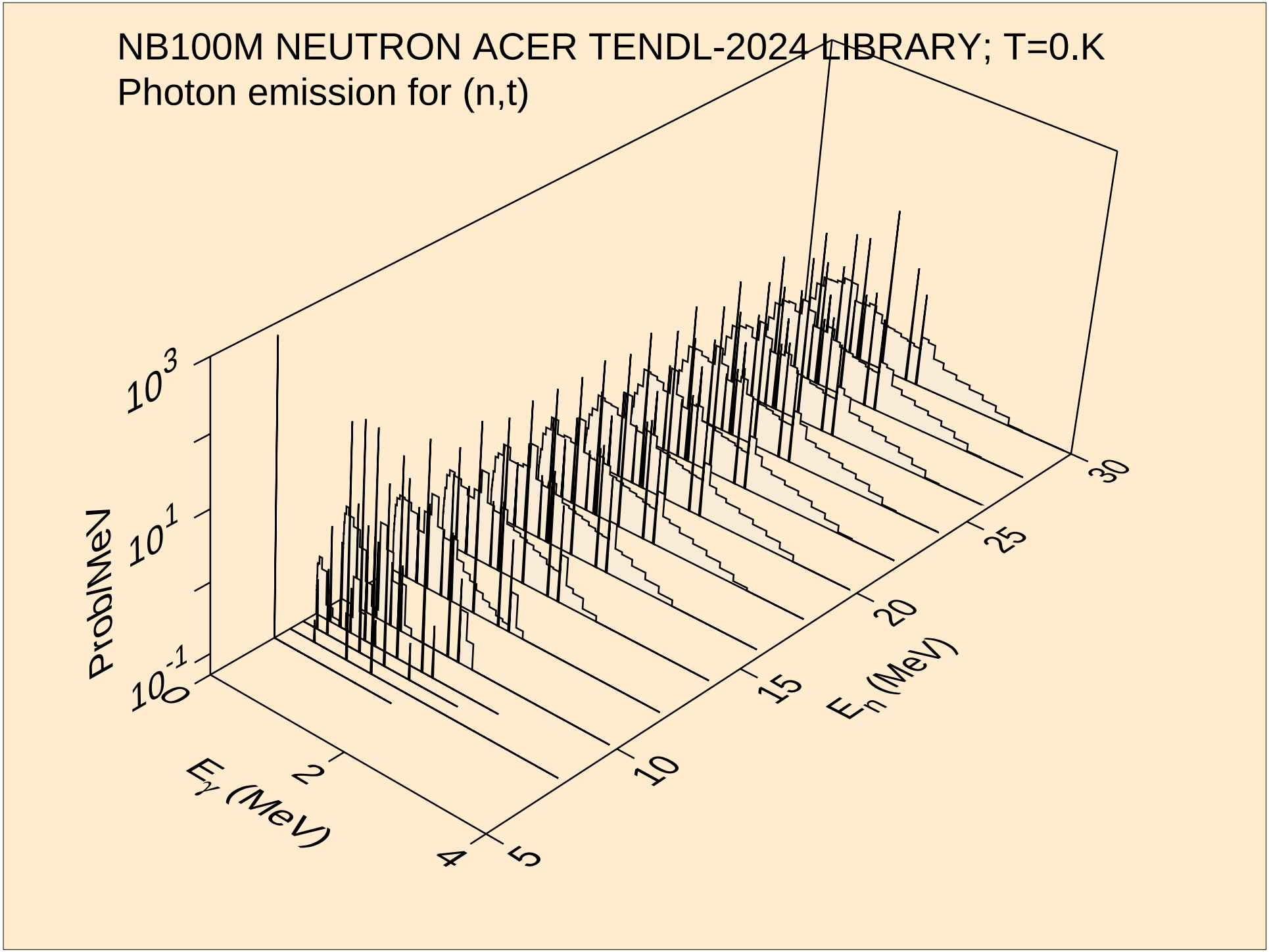

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*30)
Prob/MeV
10^{1}
10^{-1}
0
E_γ (MeV)
1
2
0
20
40
60
80
100
120
140
160
180
200
E_n (MeV)

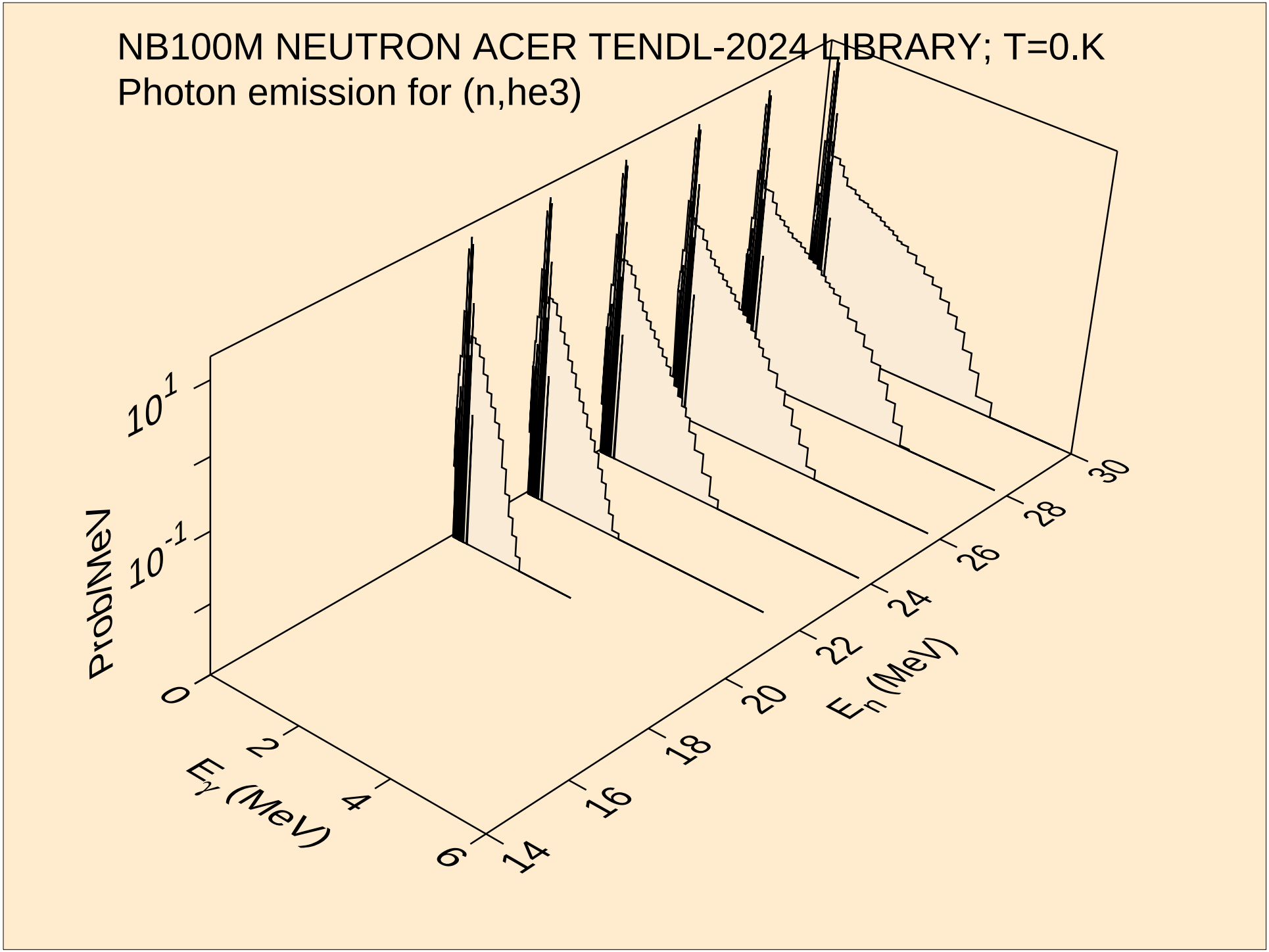

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*c)
Prob/MeV
10^{1}
10^{-1}
0
5
10
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

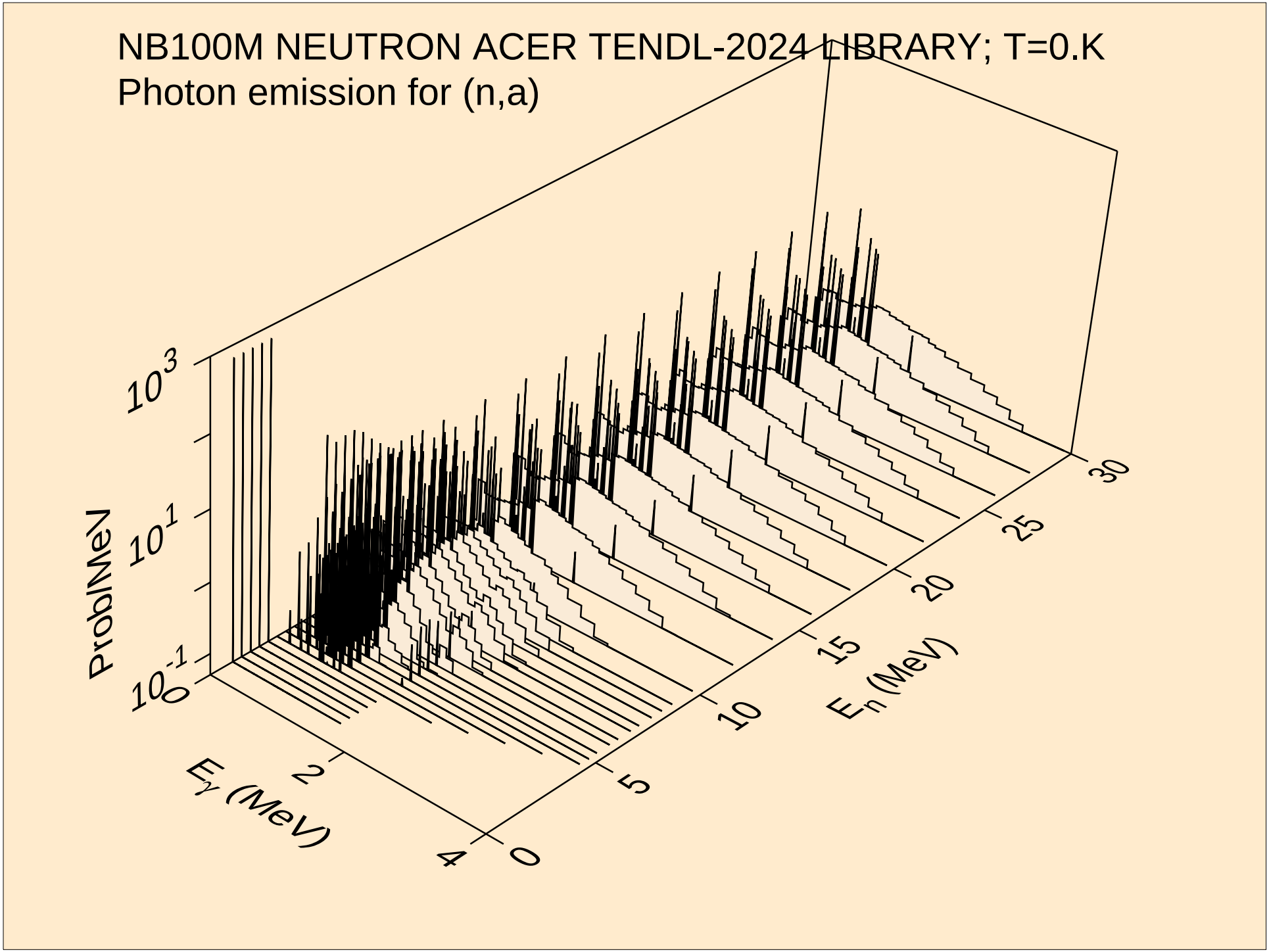

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)
Prob/MeV
10^{1}
10^{-1}
0
E_γ (MeV)
20
40
0
5
10
15
20
25
30
E_n (MeV)

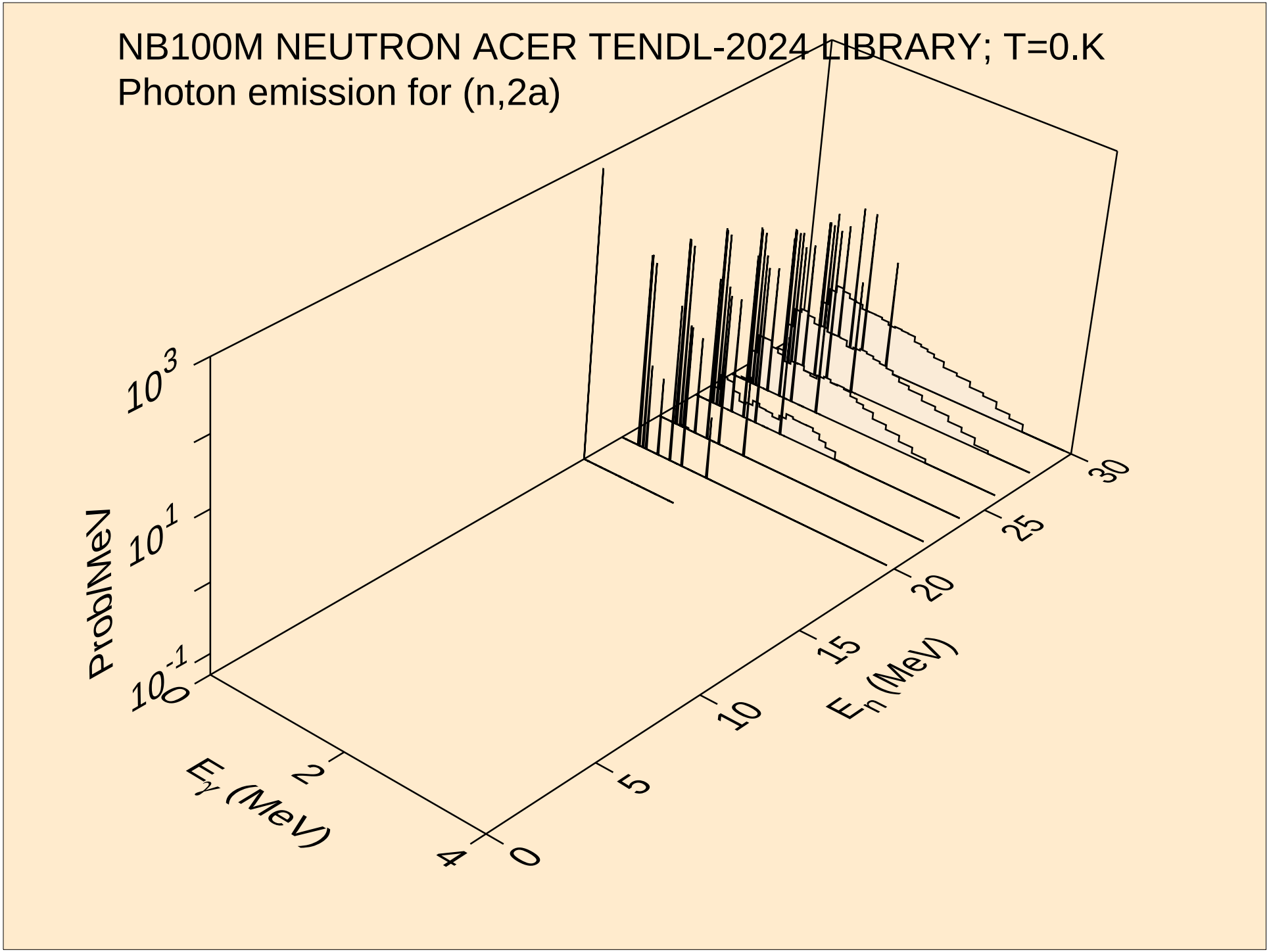

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

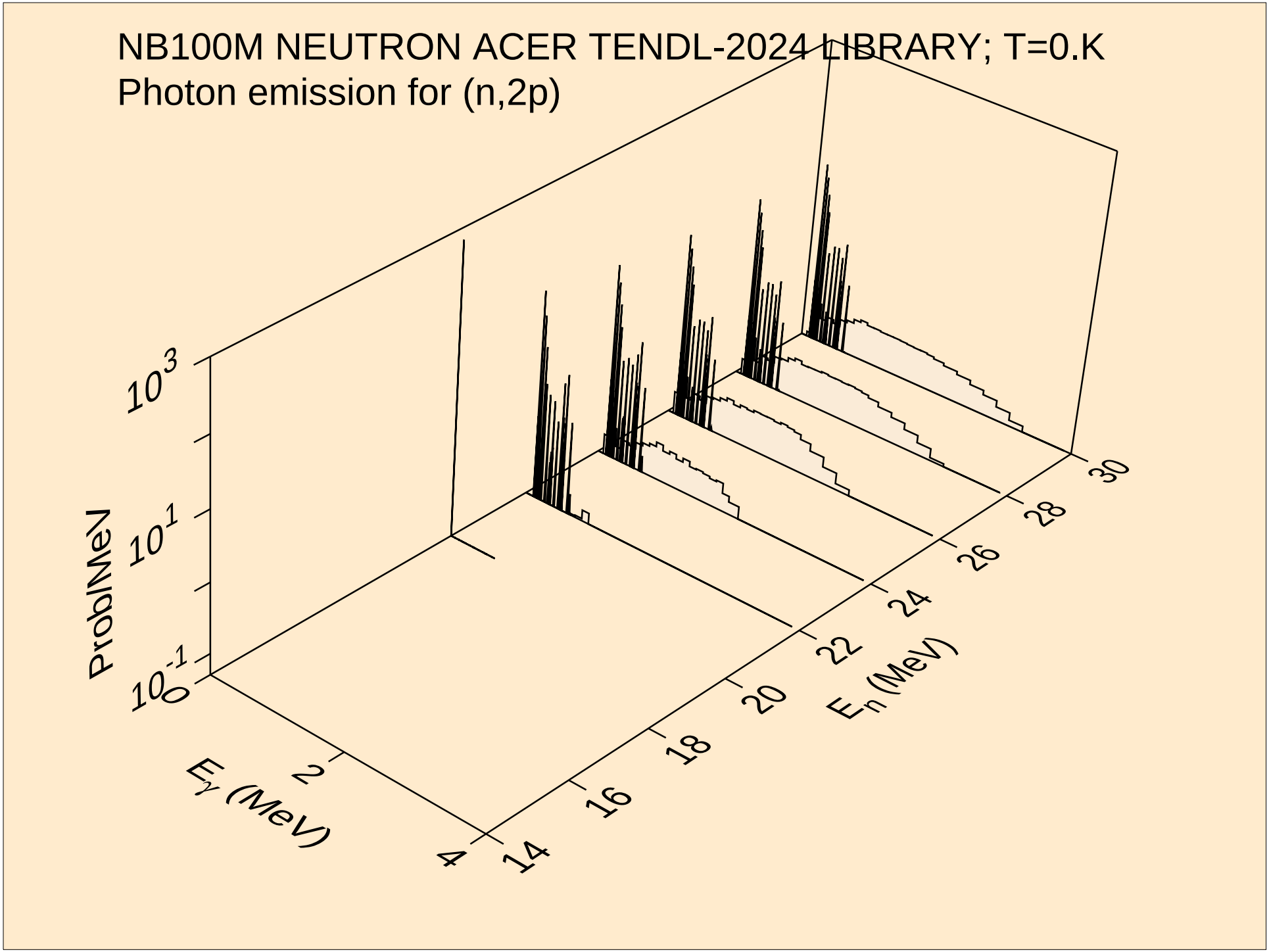

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

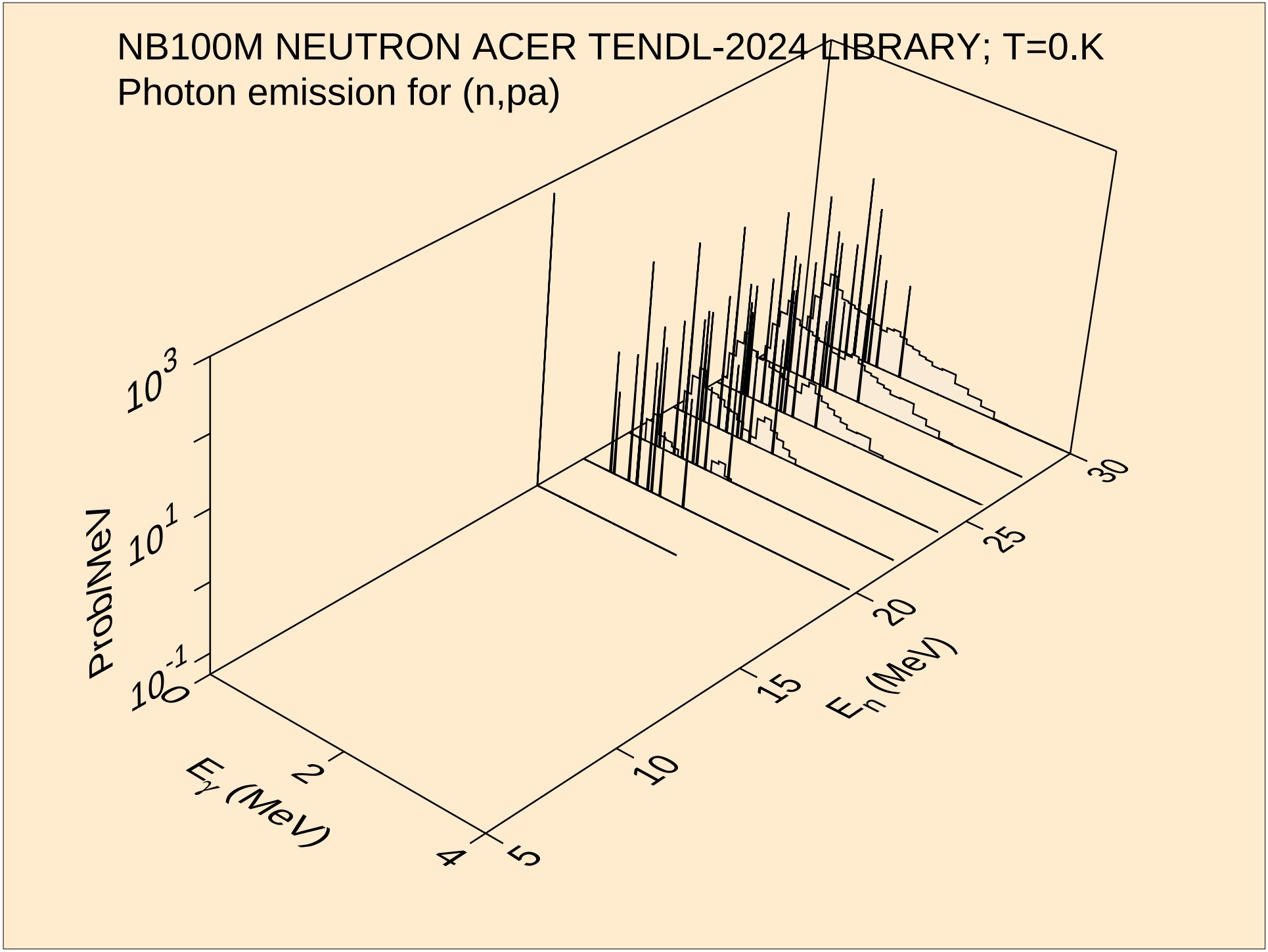

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

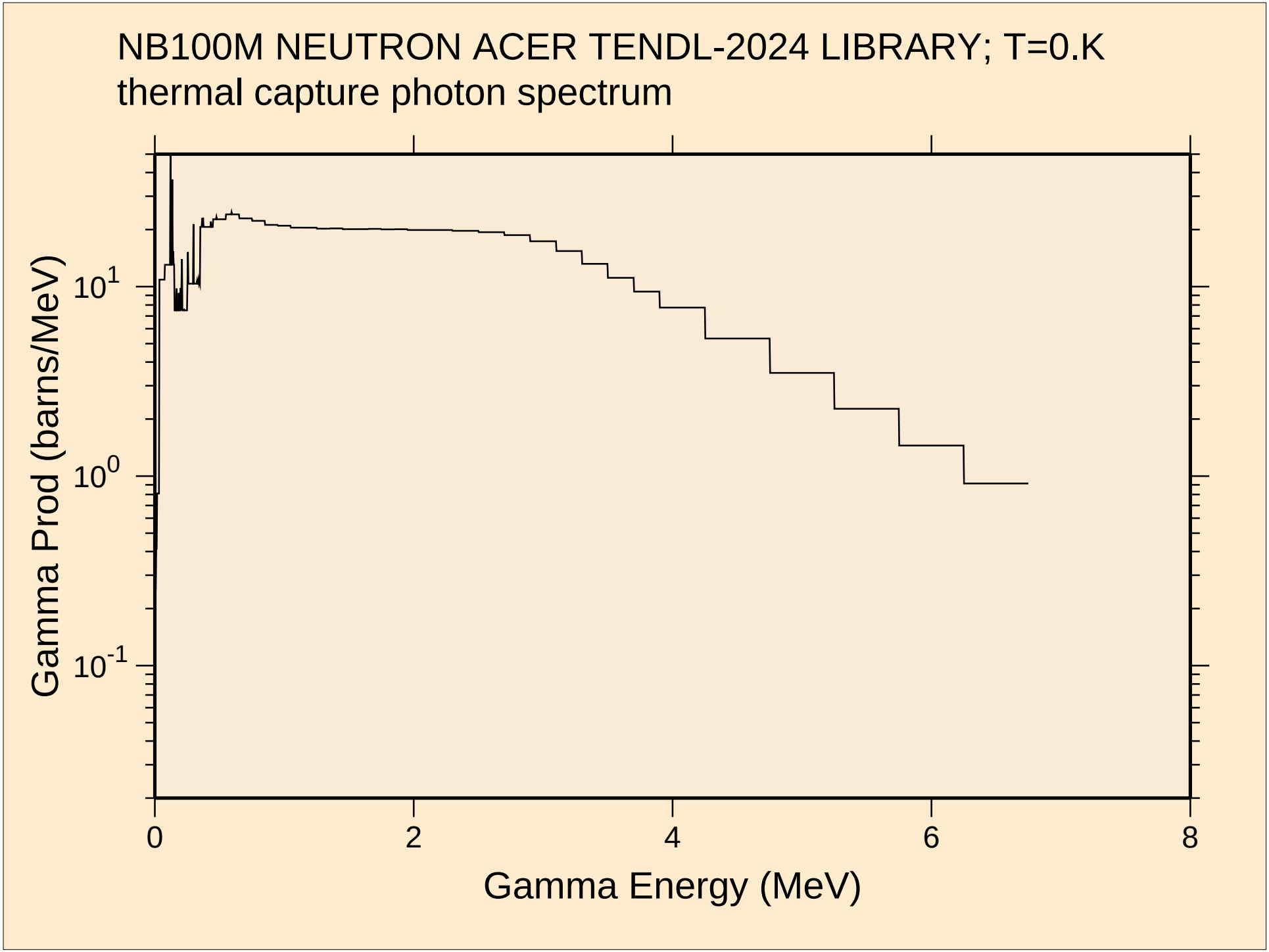

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)
Prob/MeV
10^{1}
10^{-1}
0
2
4
6
E_γ (MeV)
14
16
18
20
22
24
26
28
30
E_n (MeV)

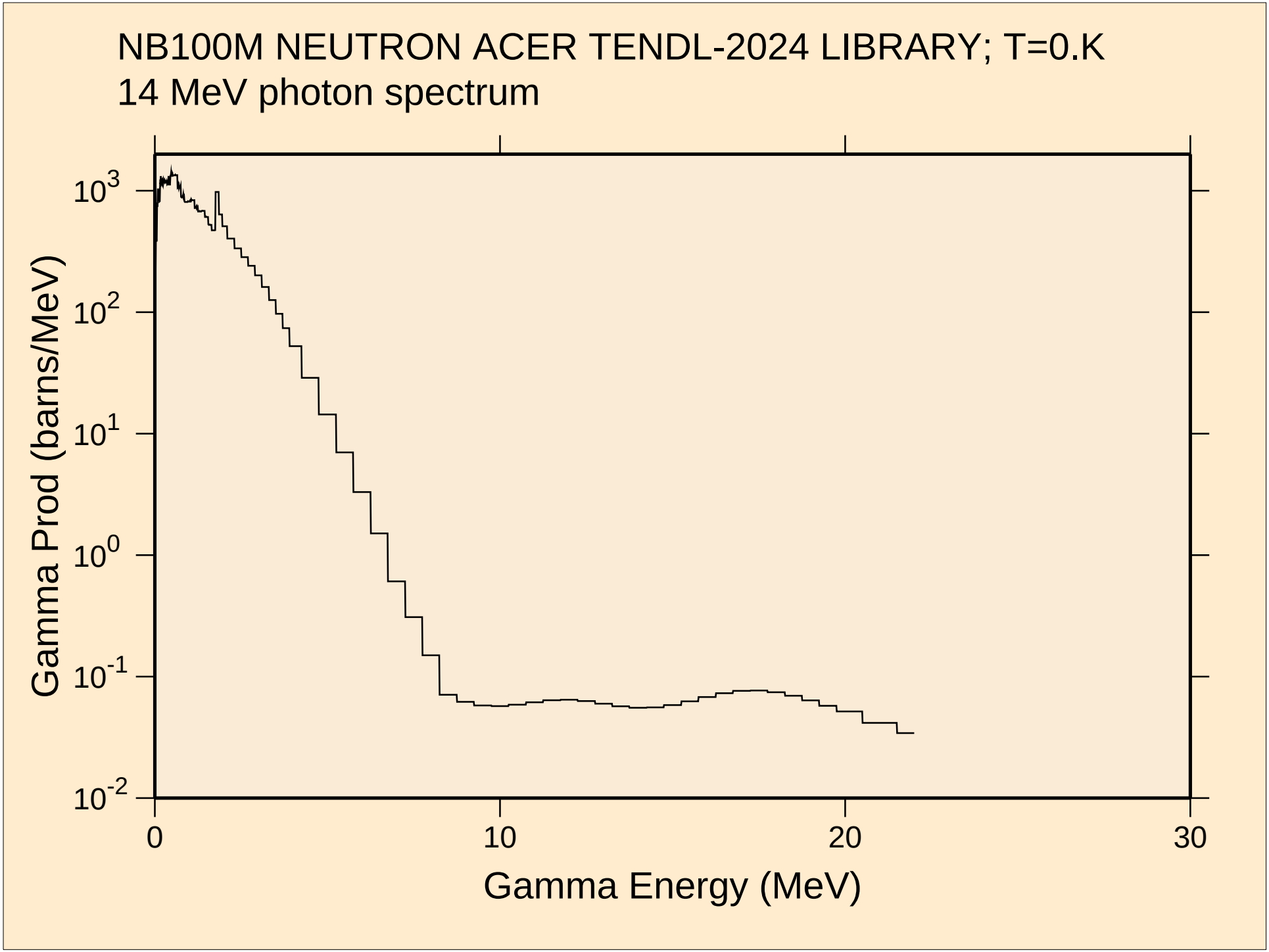

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,a)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

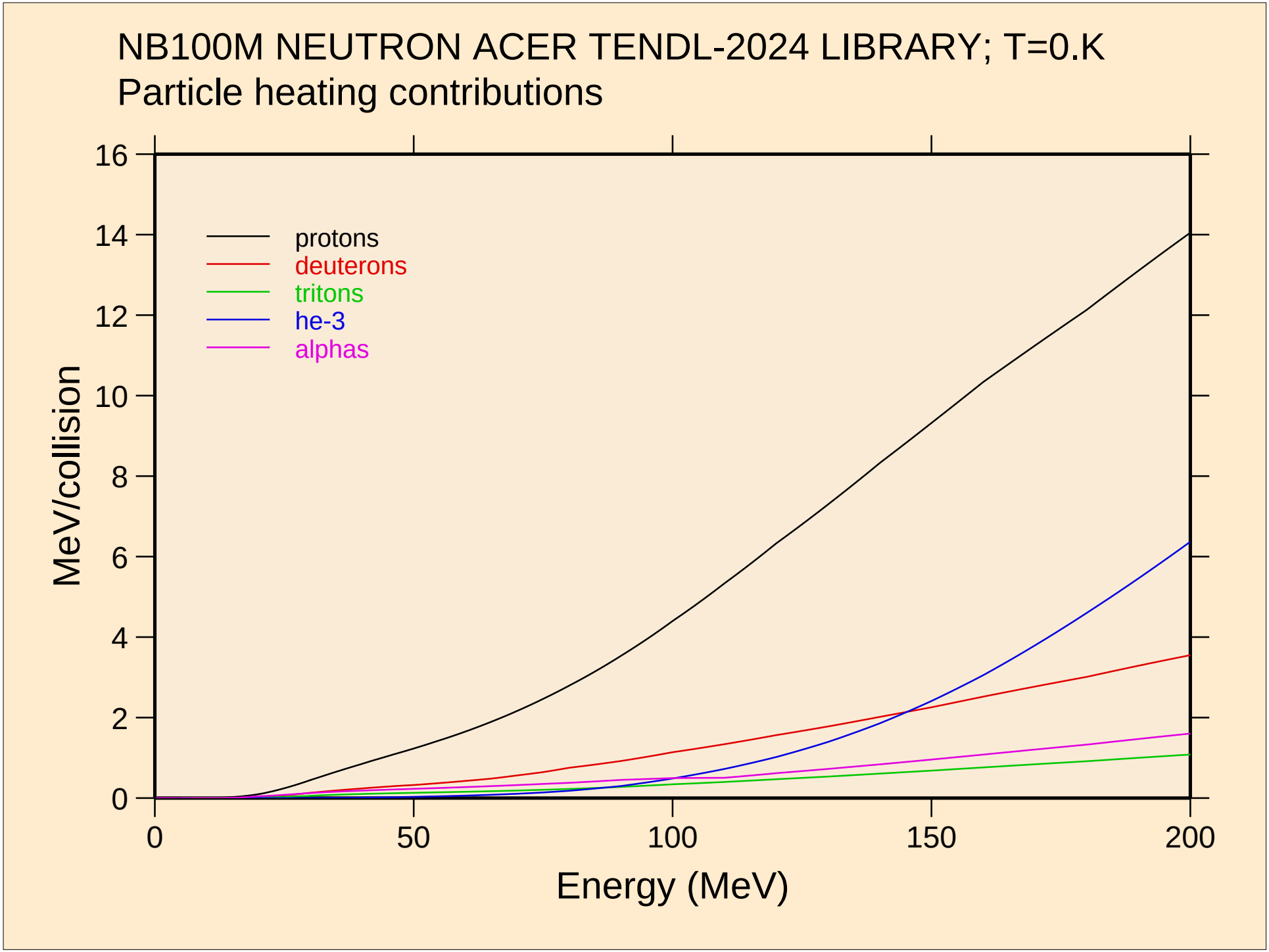

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

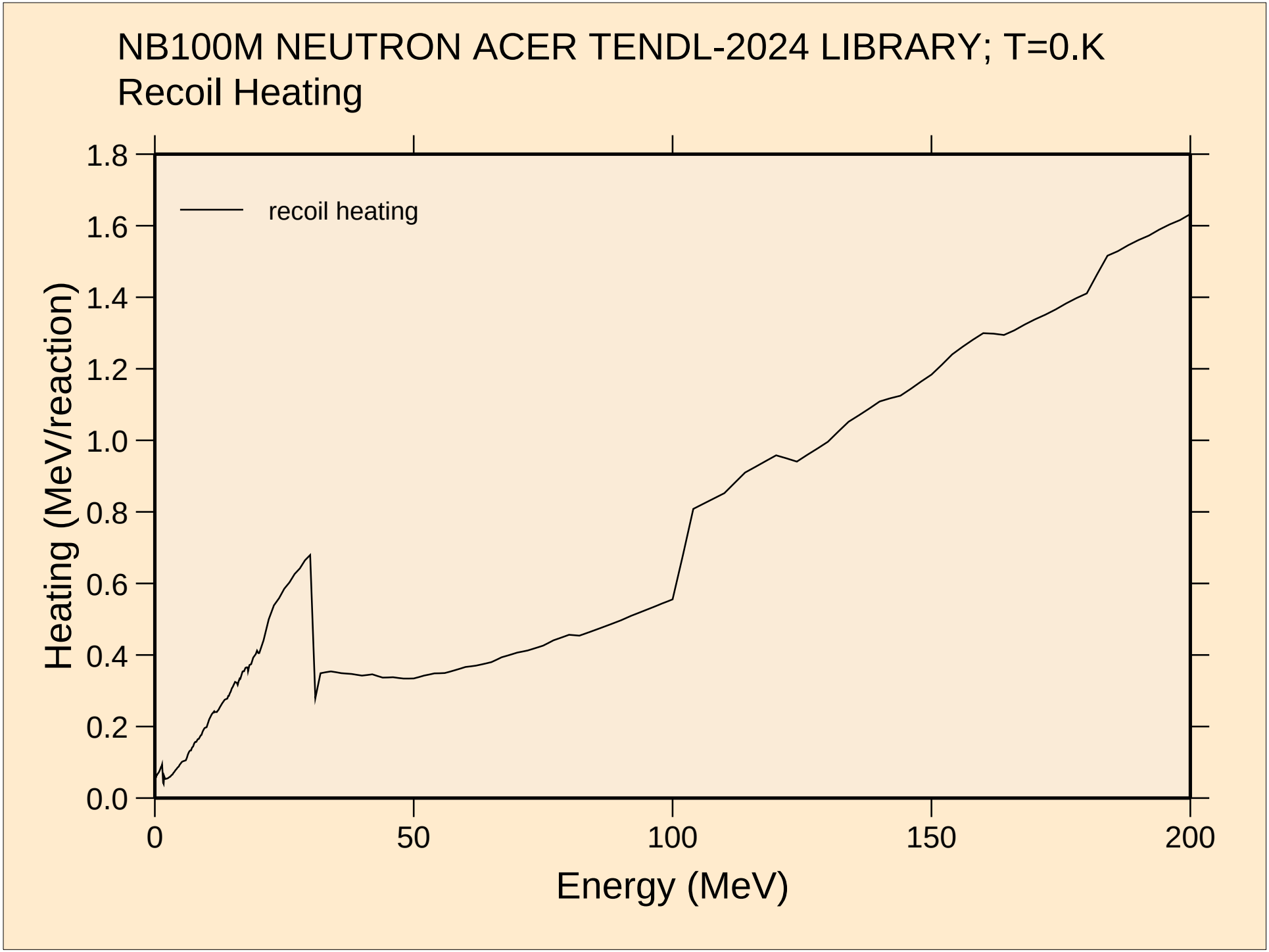

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
14
16
18
20
22
24
26
28
30
E_n (MeV)

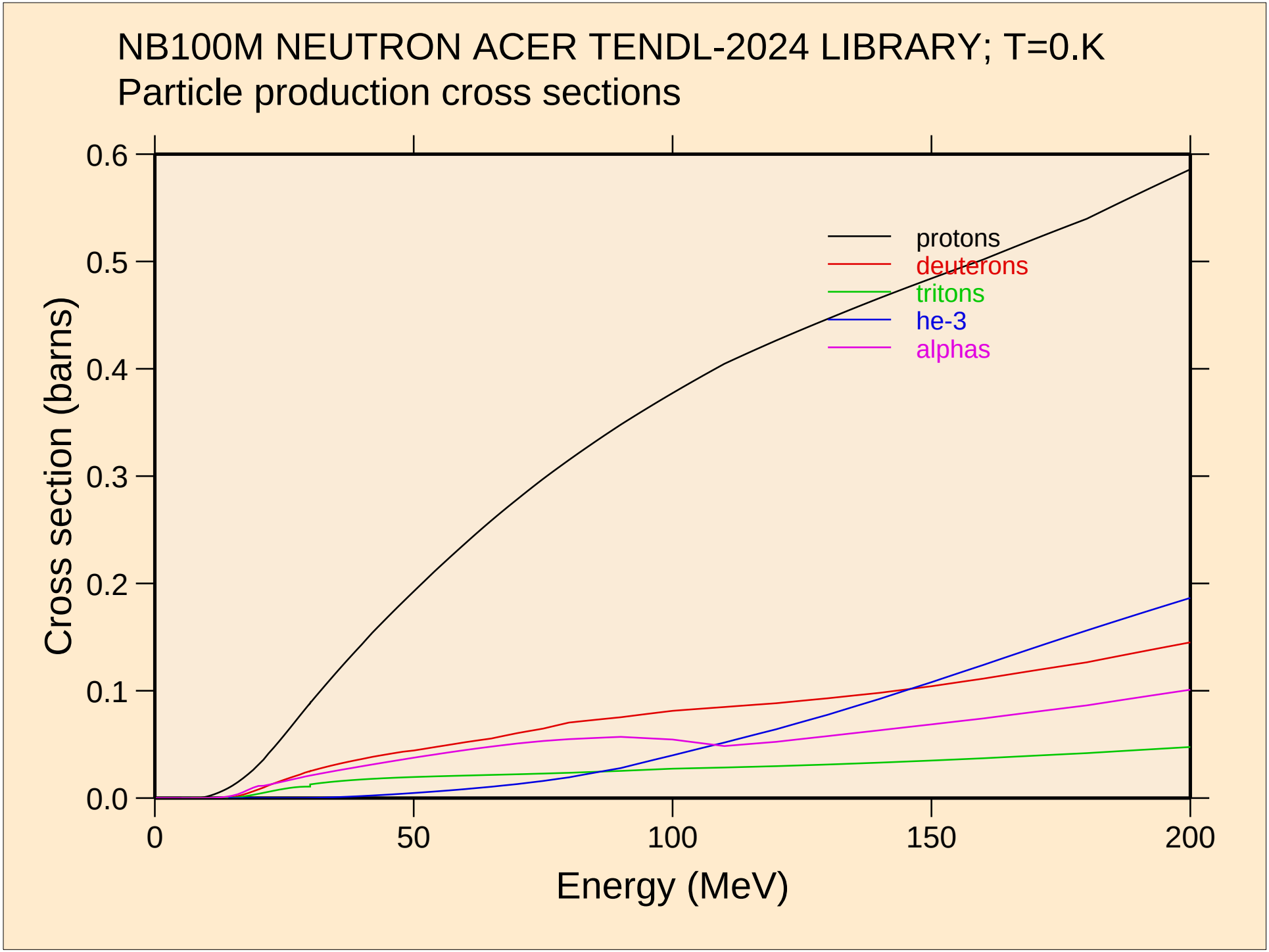

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pa)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

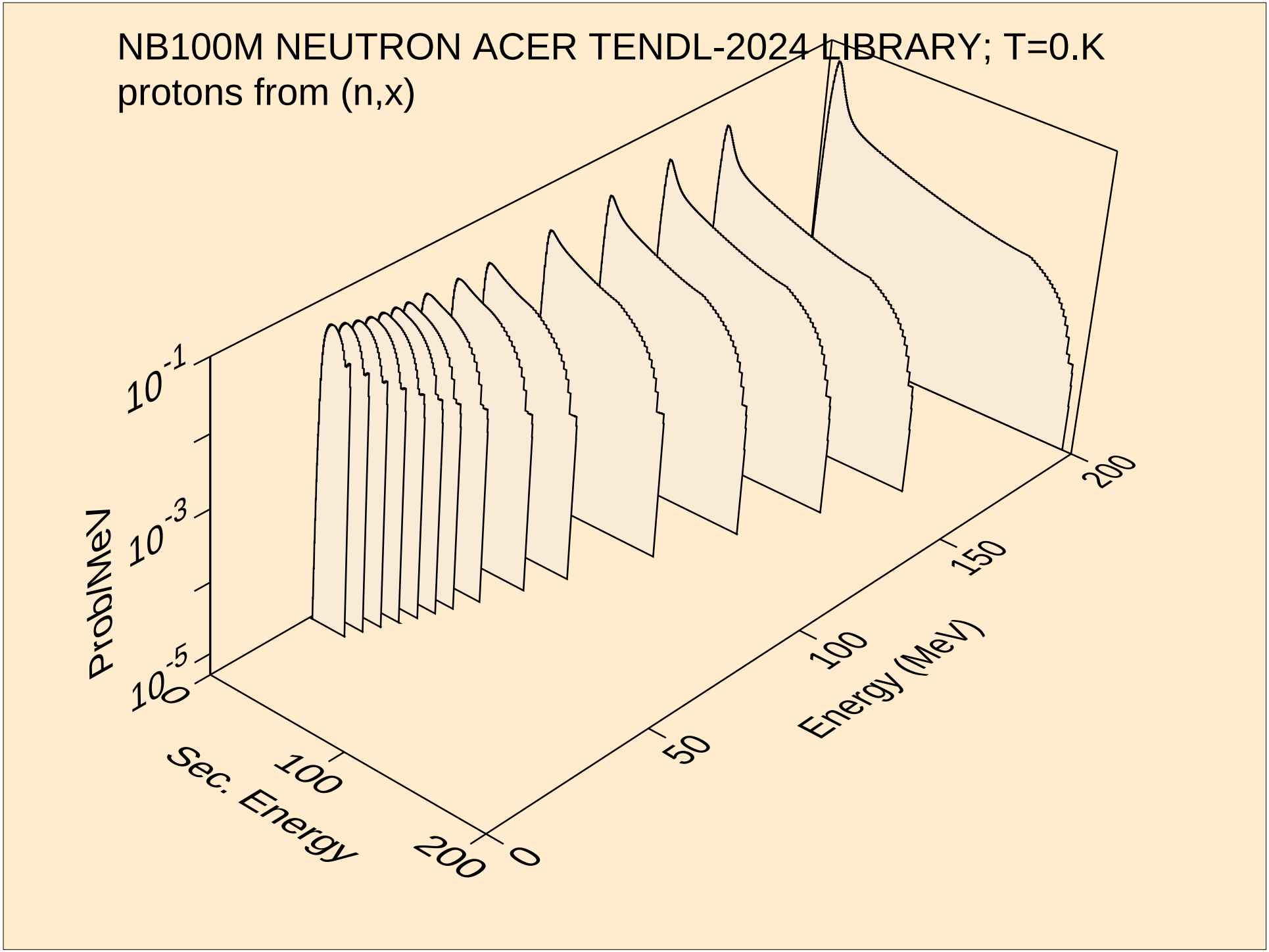

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
thermal capture photon spectrum
Gamma Prod (barns/MeV)
10^1
10^0
10^-1
0
2
4
6
8
Gamma Energy (MeV)

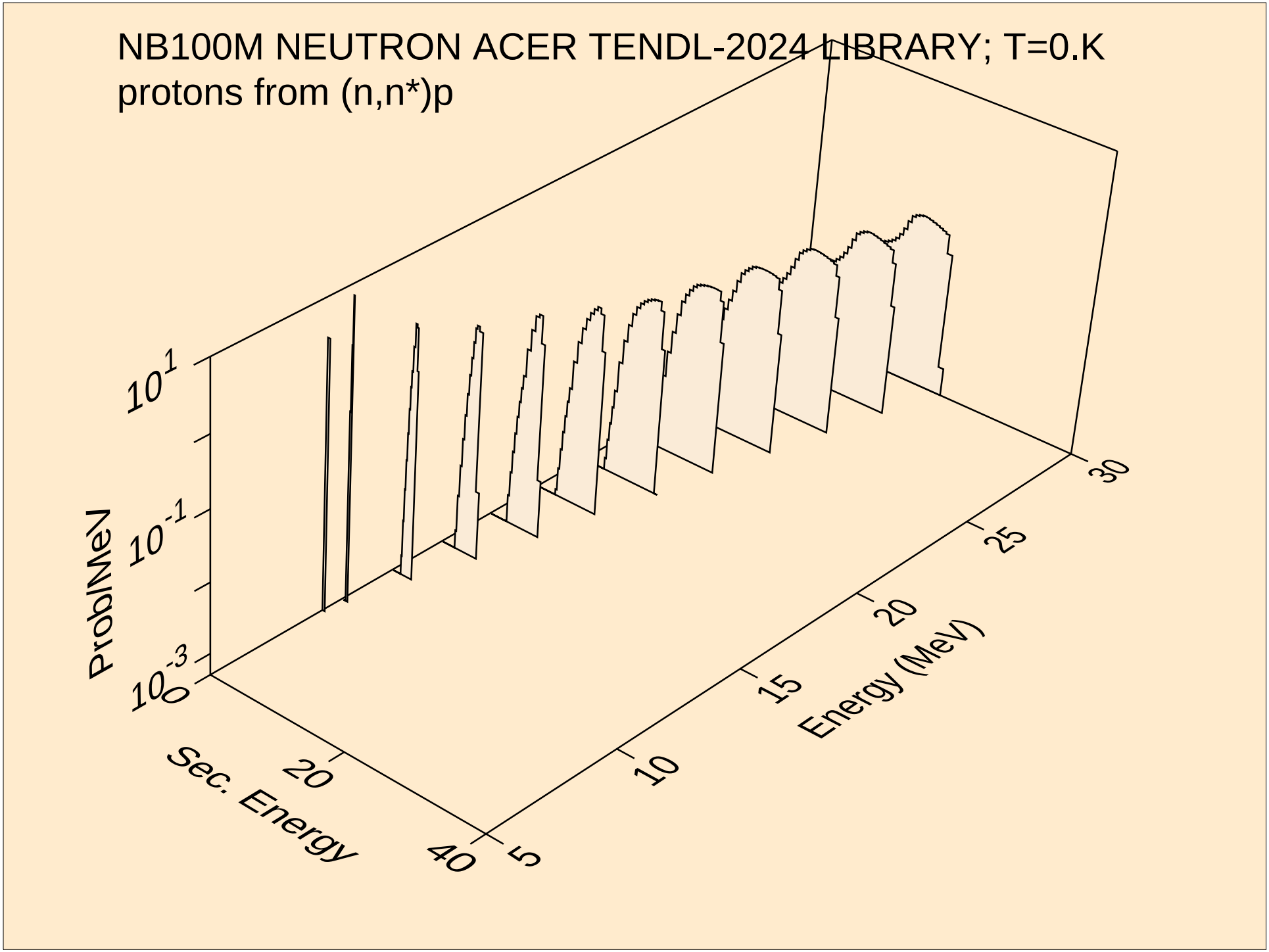

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^3
10^2
10^1
10^0
10^-1
10^-2
0
10
20
30
Gamma Energy (MeV)

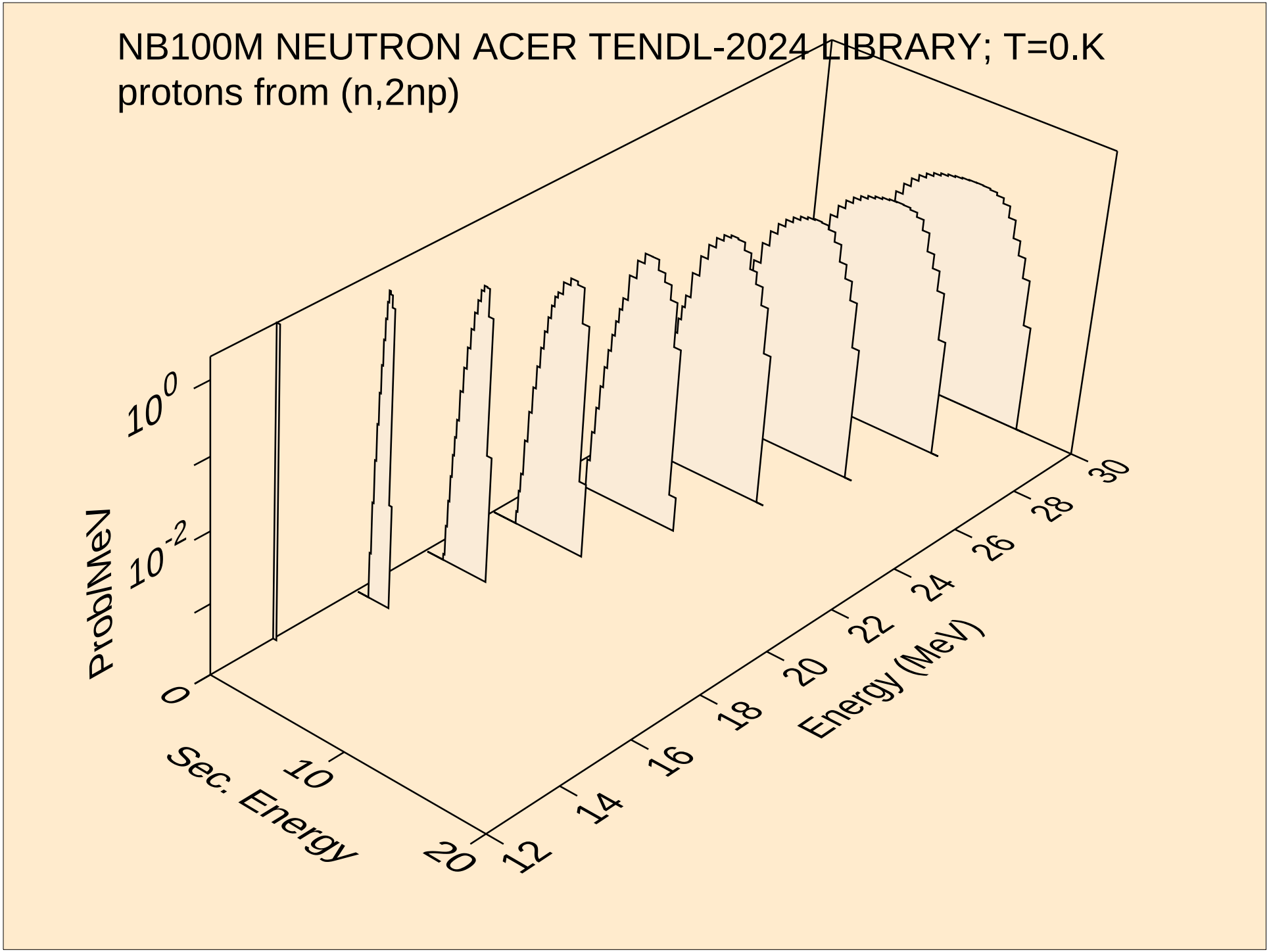

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
2
4
6
8
10
12
14
16
0
50
100
150
200

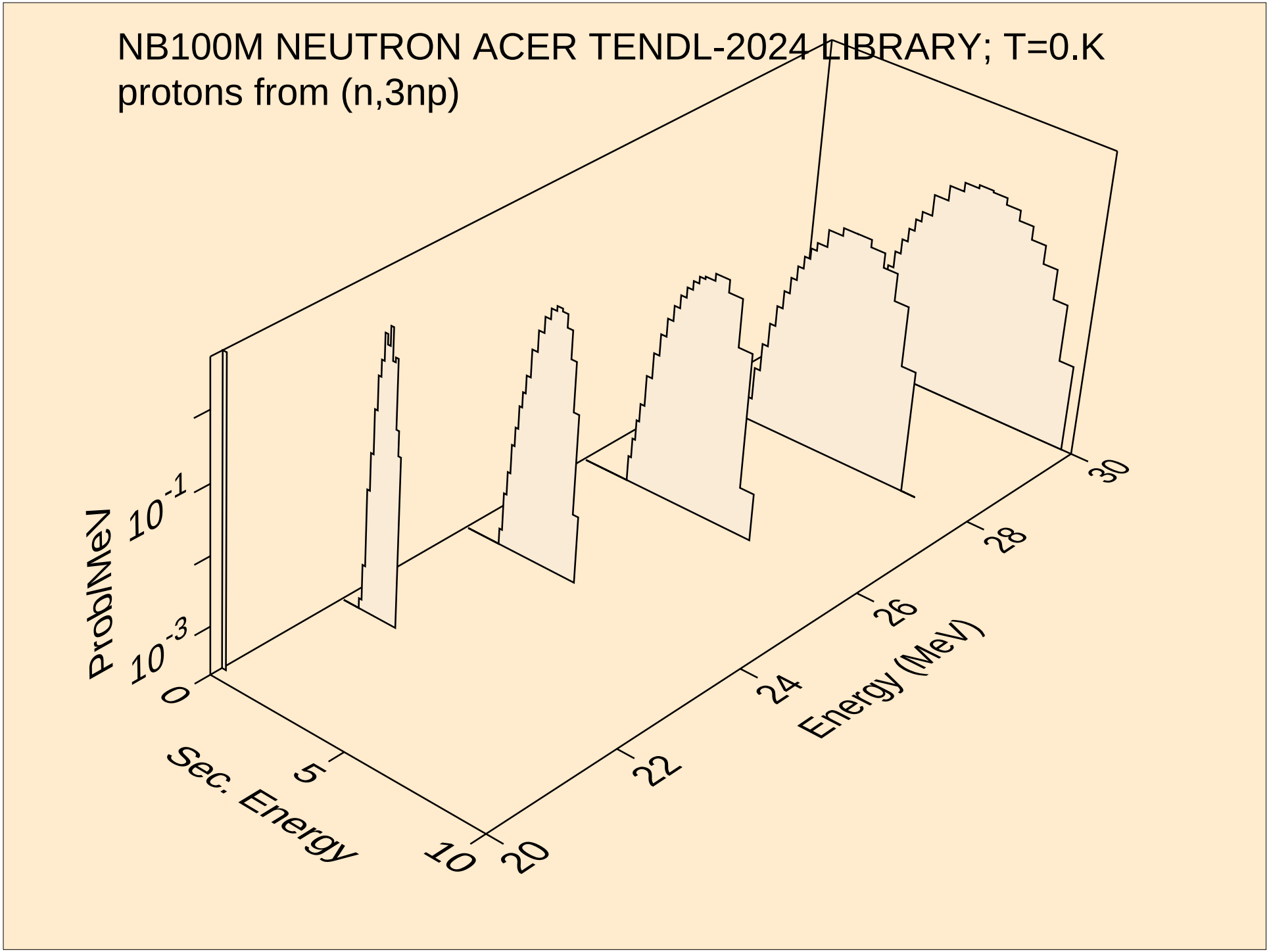

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
50
100
150
200

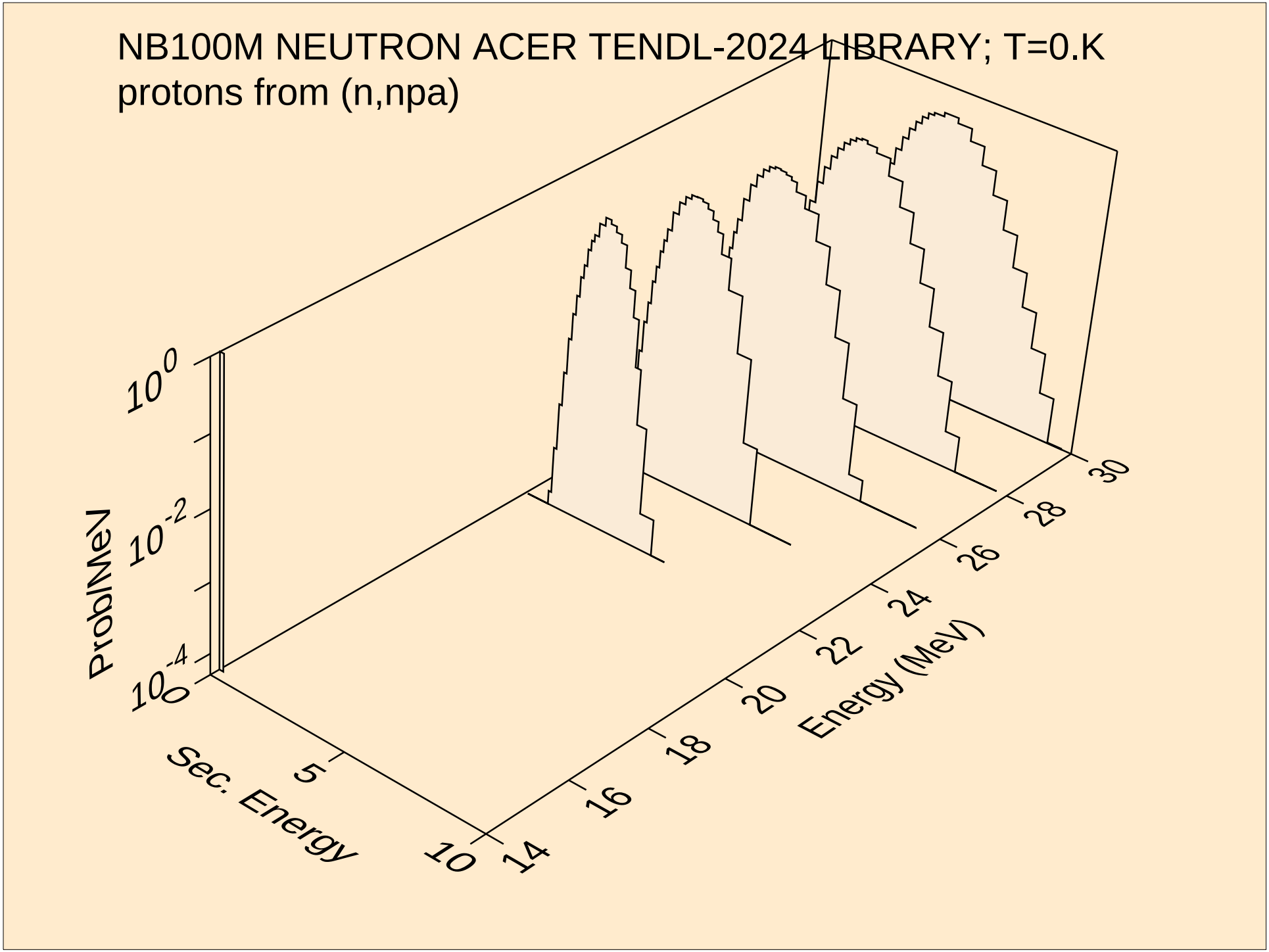

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections
Cross section (barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
50
100
150
200
Energy (MeV)
protons
deuterons
tritons
he-3
alphas

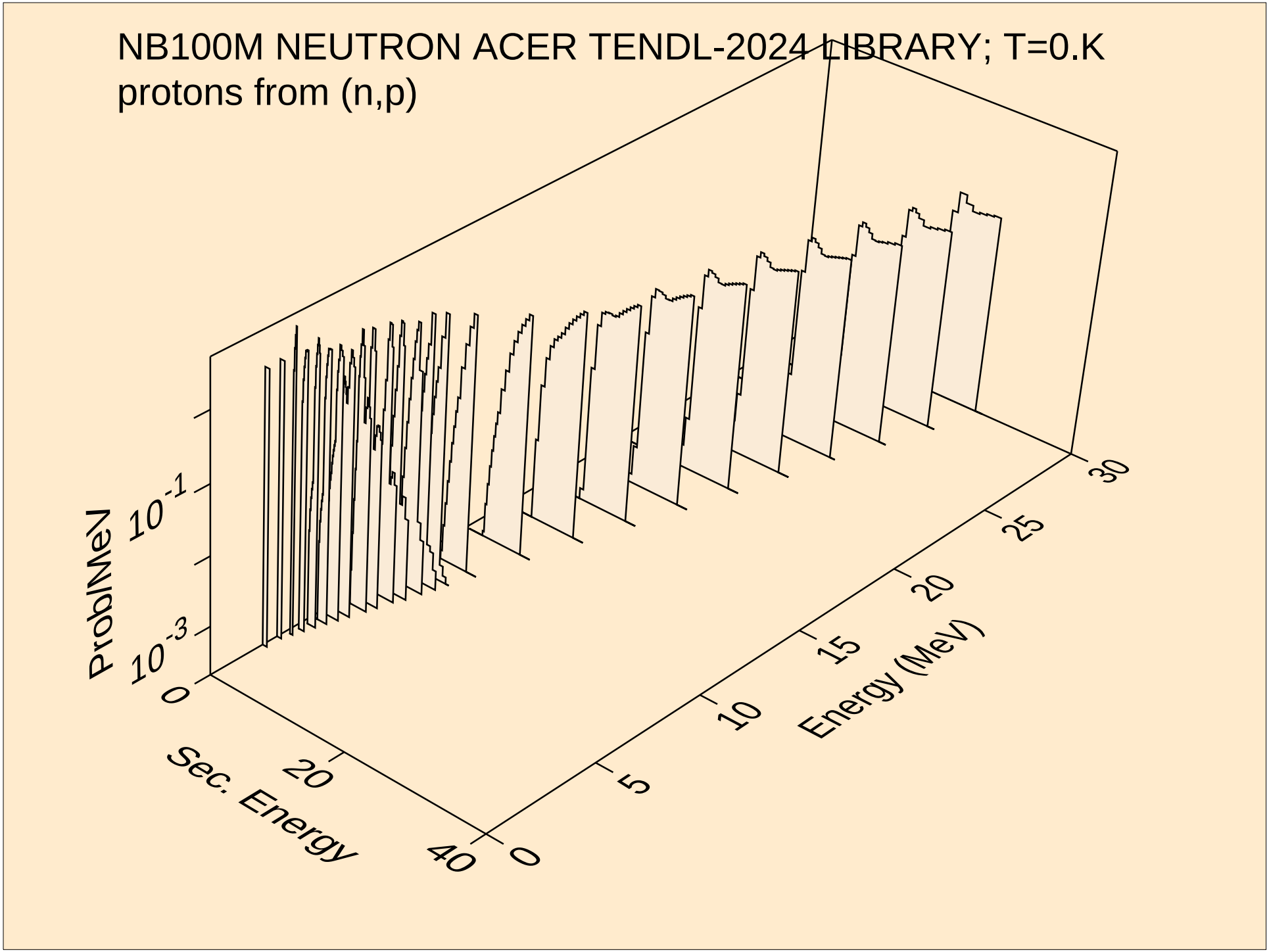

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

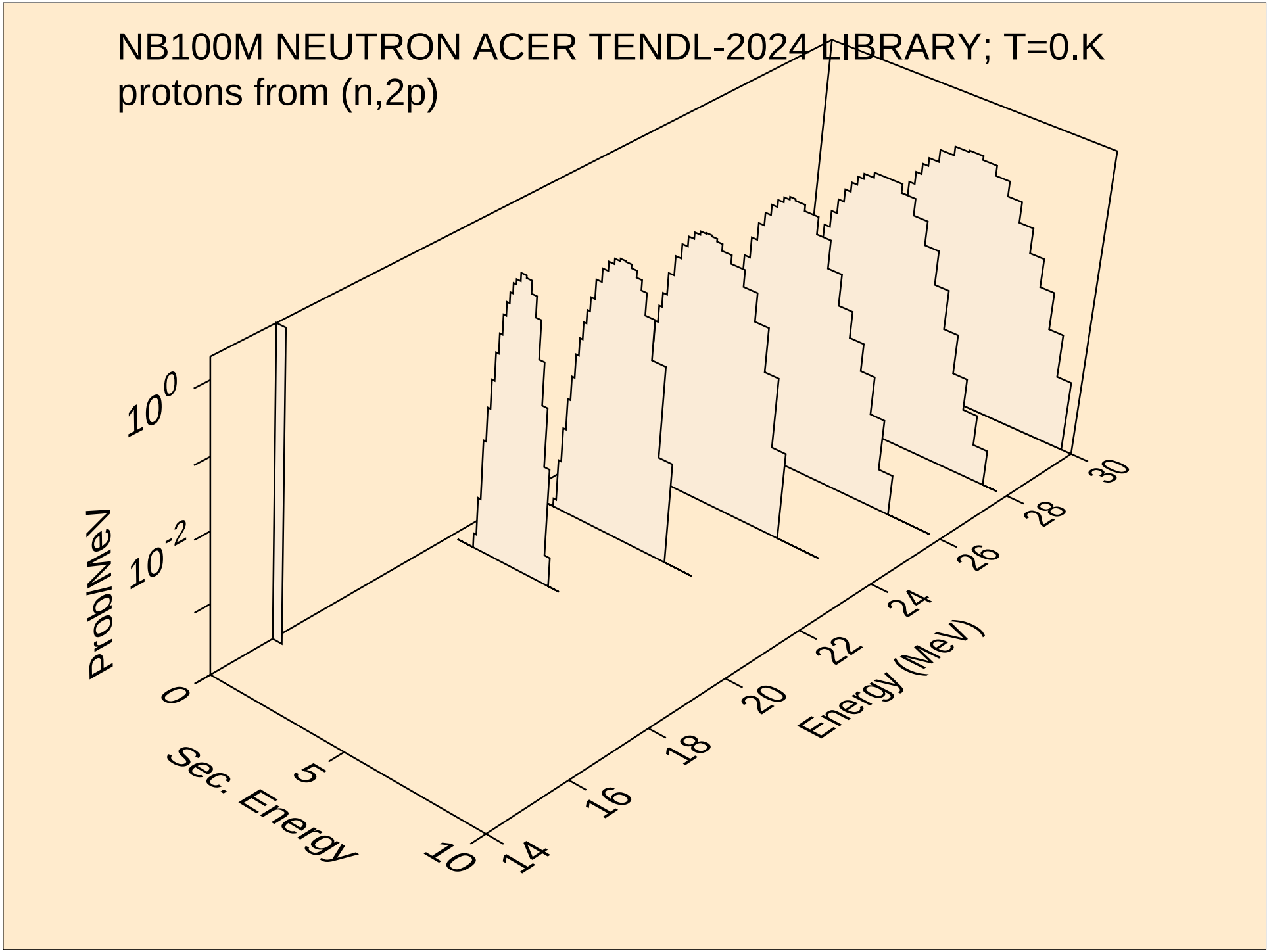

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,n*)p
Prob/MeV
10^1
10^-1
10^-3
0
20
40
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

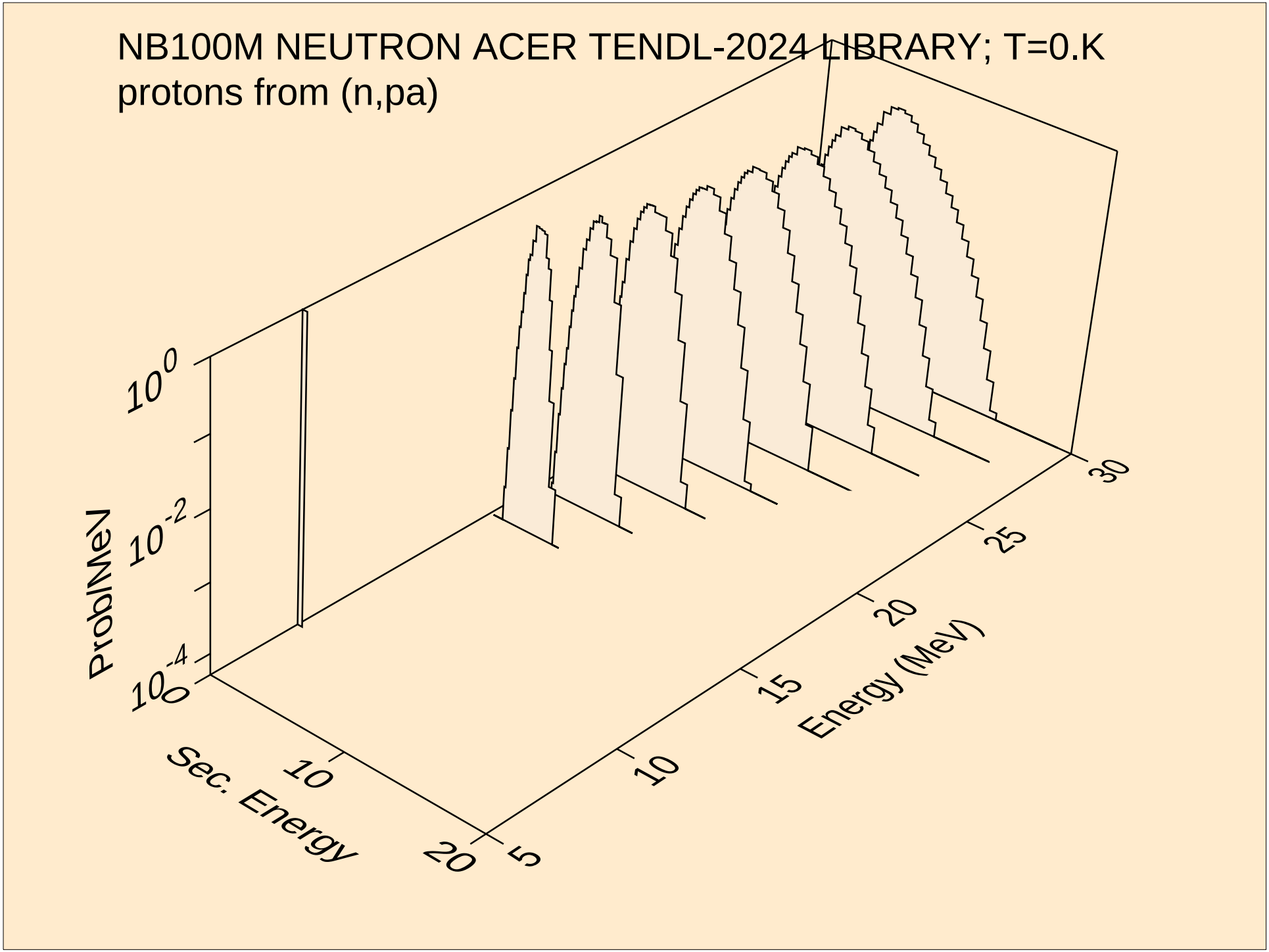

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,2np)
Prob/MeV
10^{0}
10^{-2}
0
Sec. Energy
10
20
Energy (MeV)
12
14
16
18
20
22
24
26
28
30

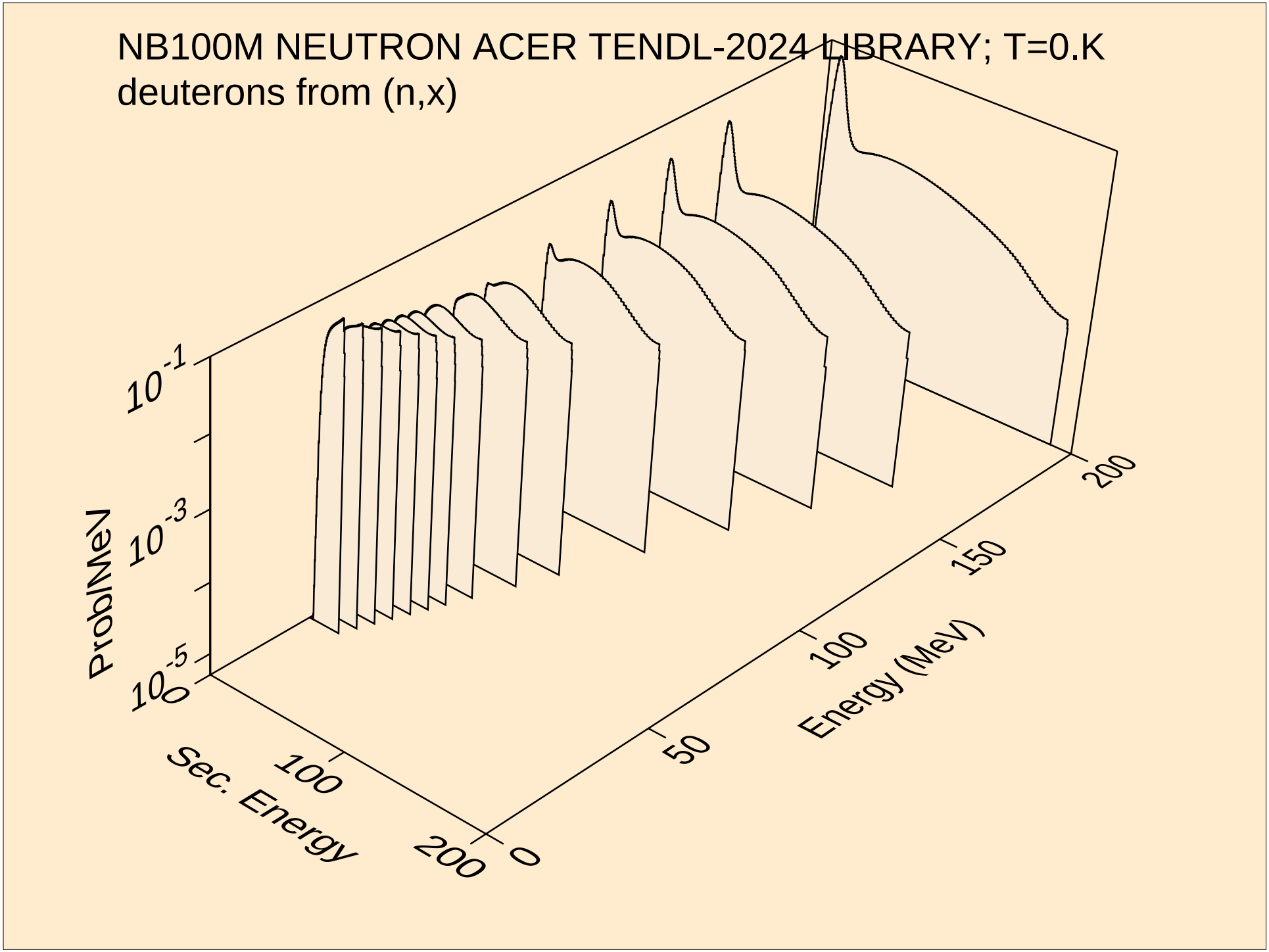

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,3np)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
20
22
24
Energy (MeV)
26
28
30

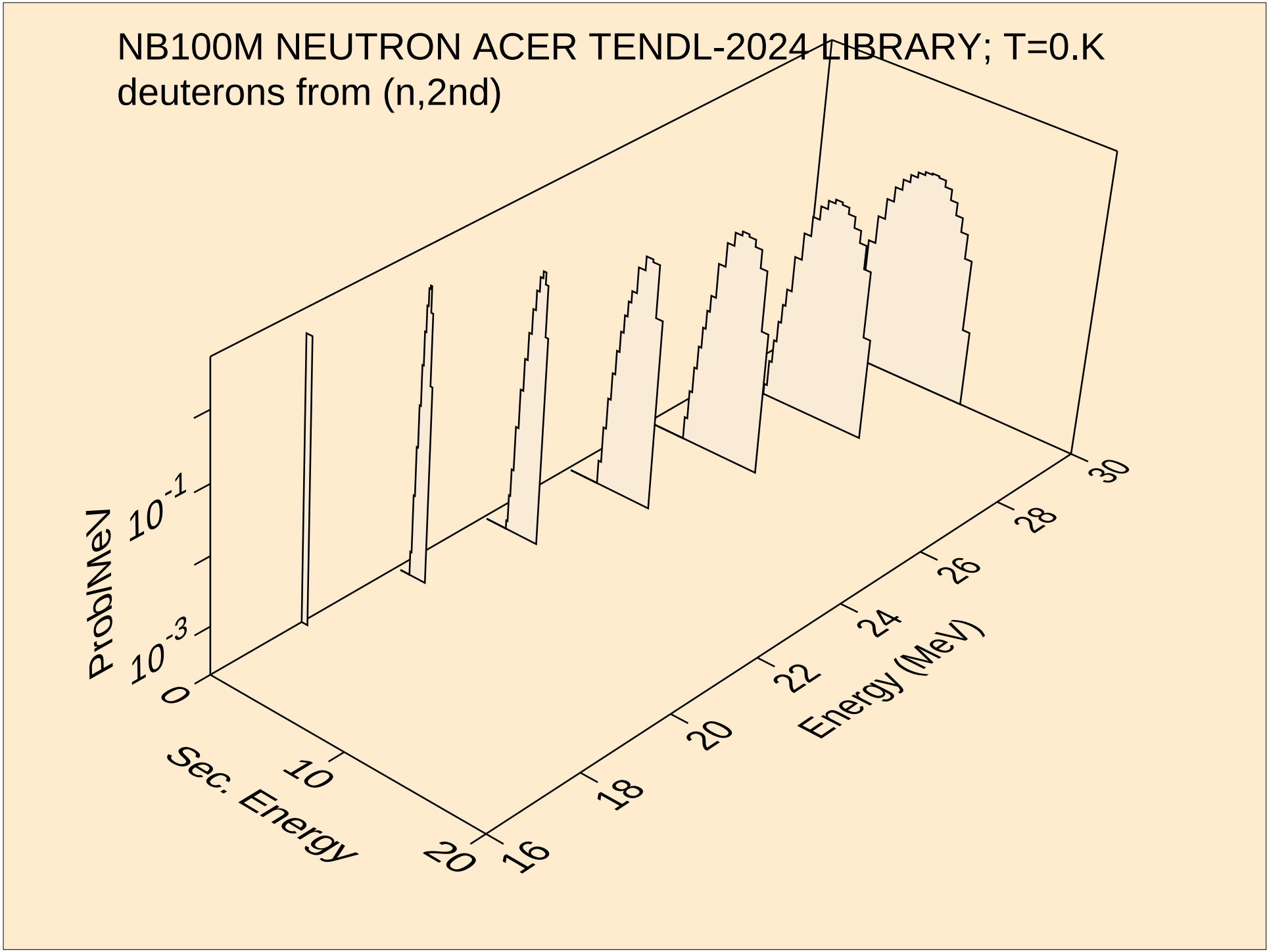

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,npa)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
5
10
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

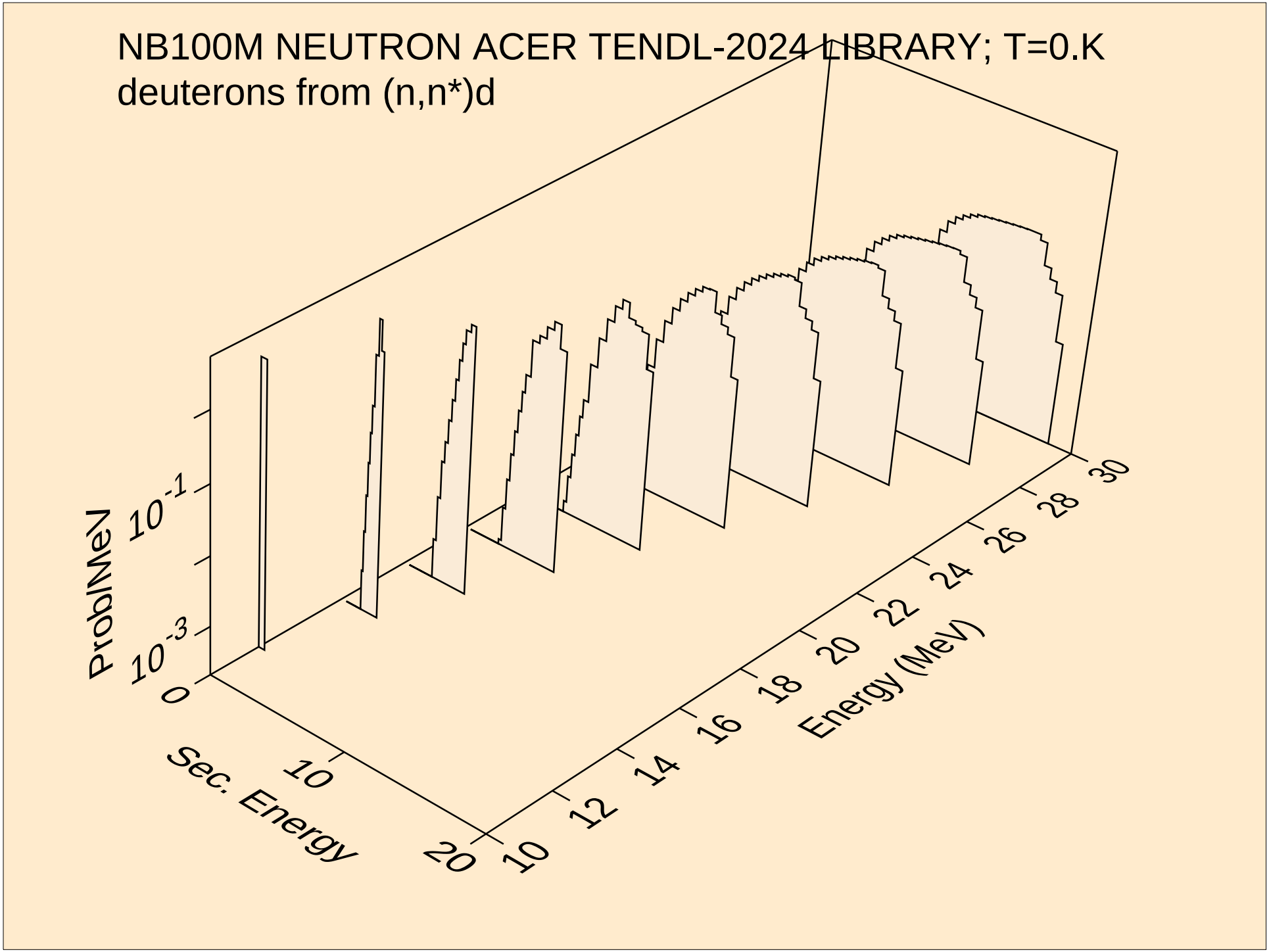

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,p)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

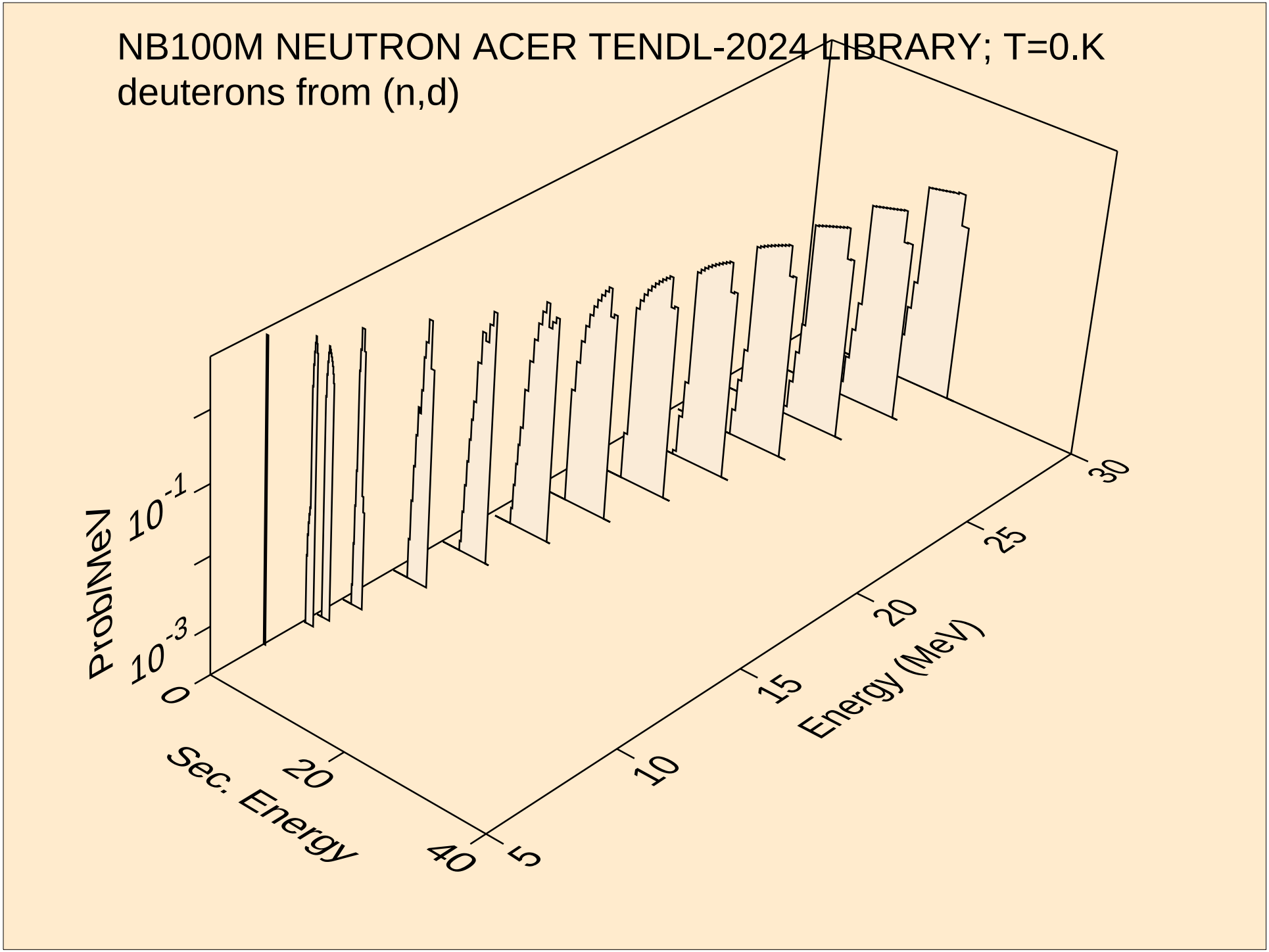

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,2p)
Prob/MeV
10^0
10^-2
0
Sec. Energy
5
10
14
16
18
20
22
24
26
28
30
Energy (MeV)

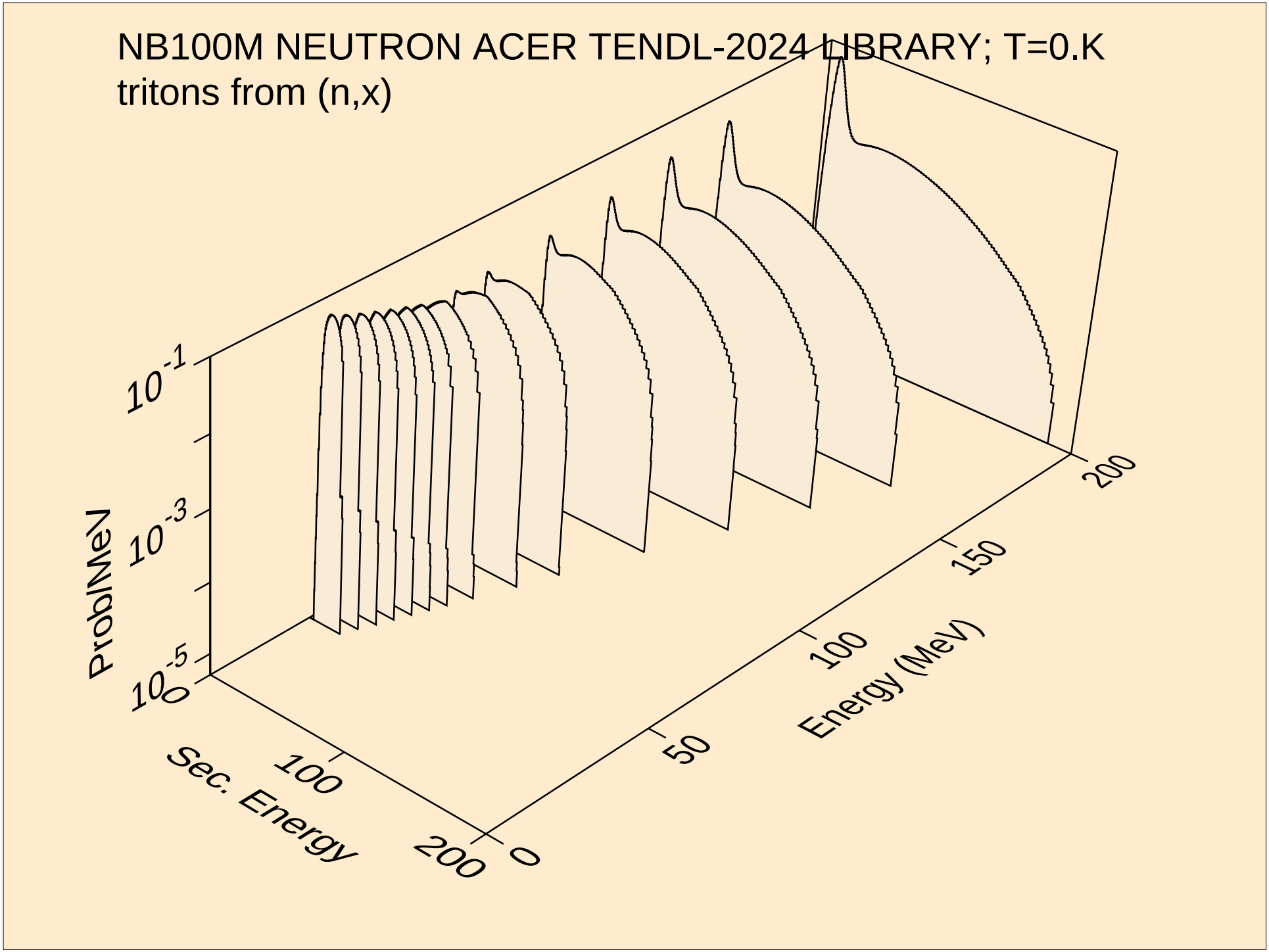

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,pa)
Prob/MeV
10^0
10^-2
10^-4
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

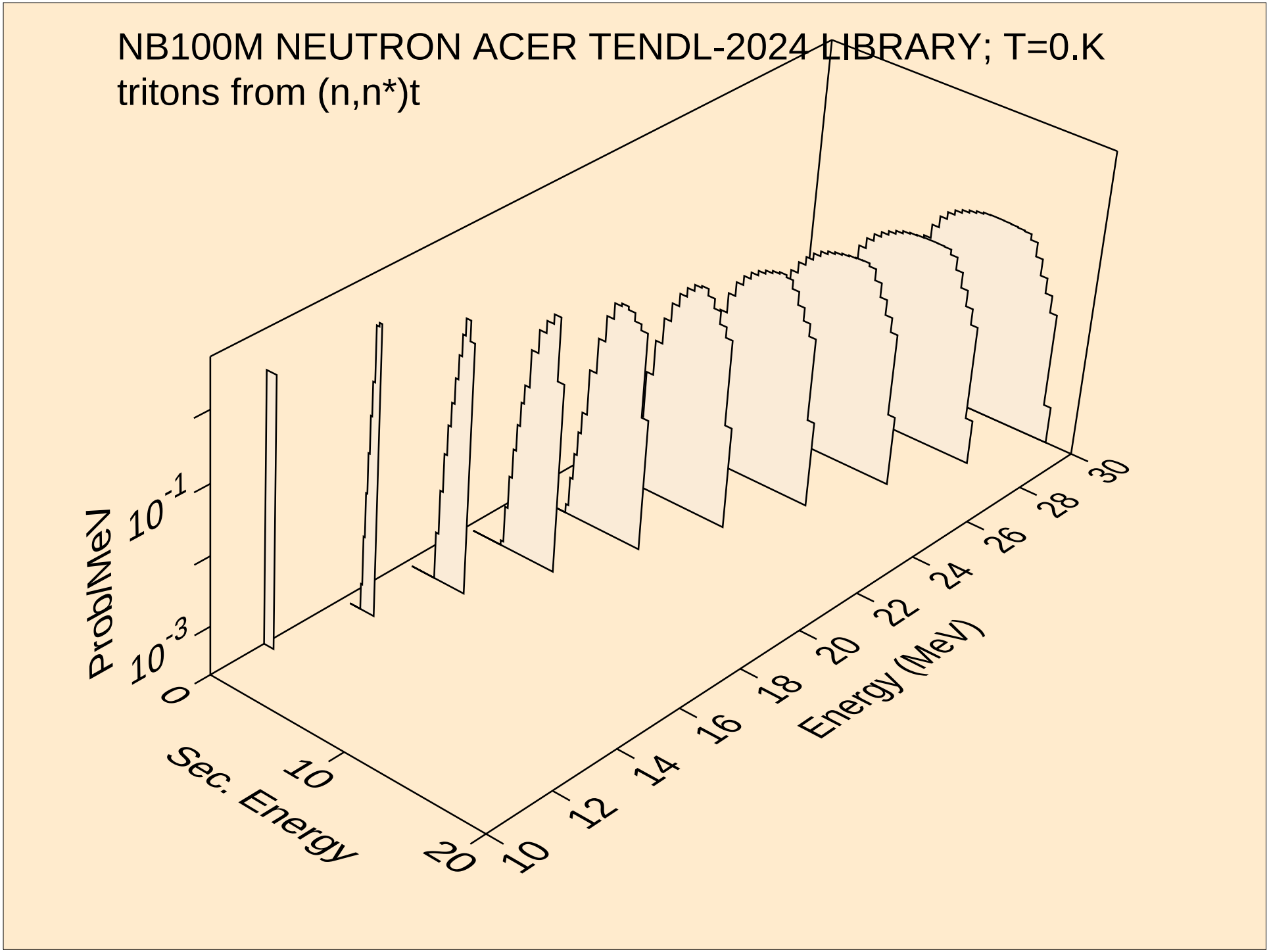

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

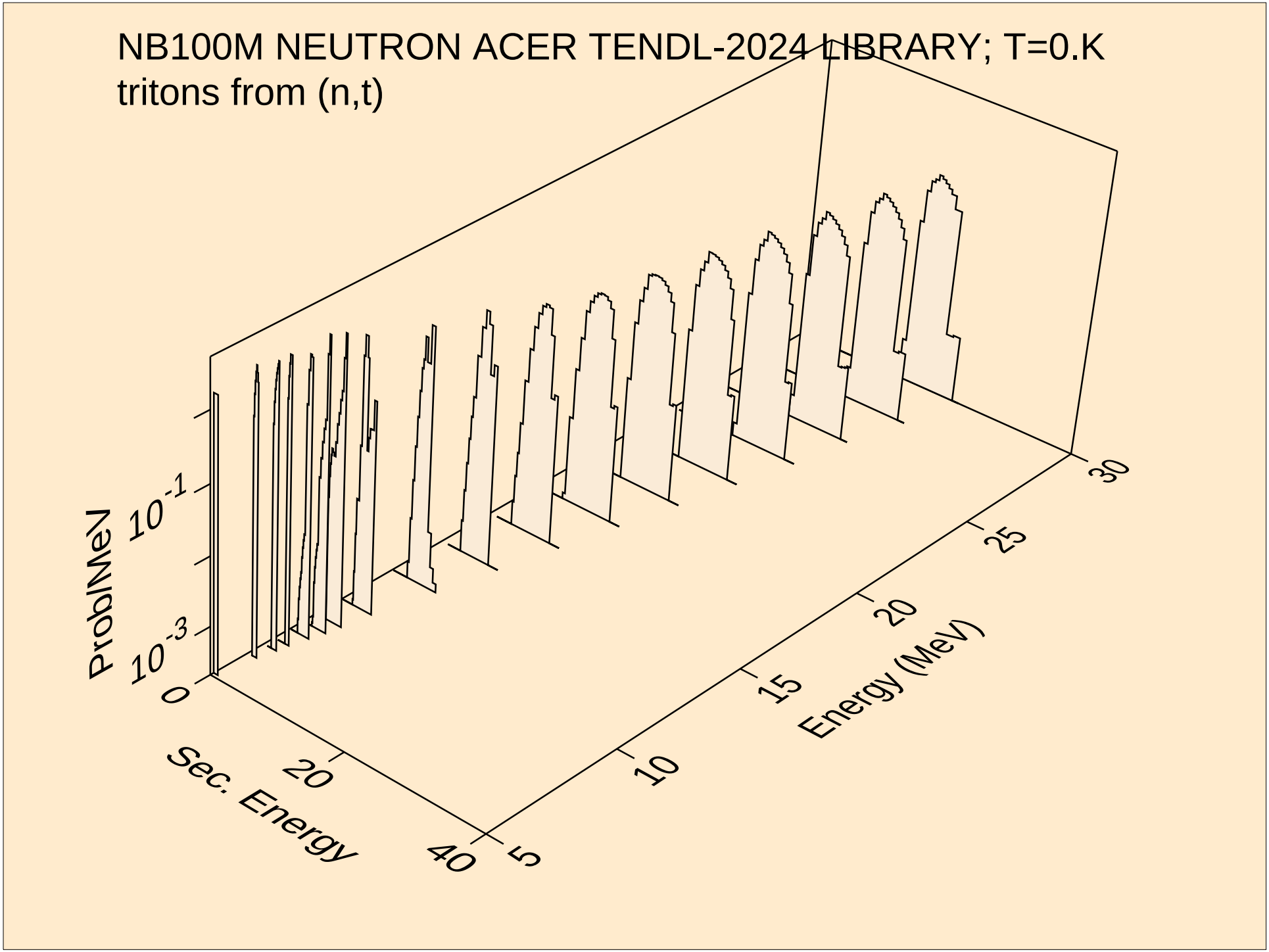

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,2nd)
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
16
18
20
22
24
26
28
30
Energy (MeV)

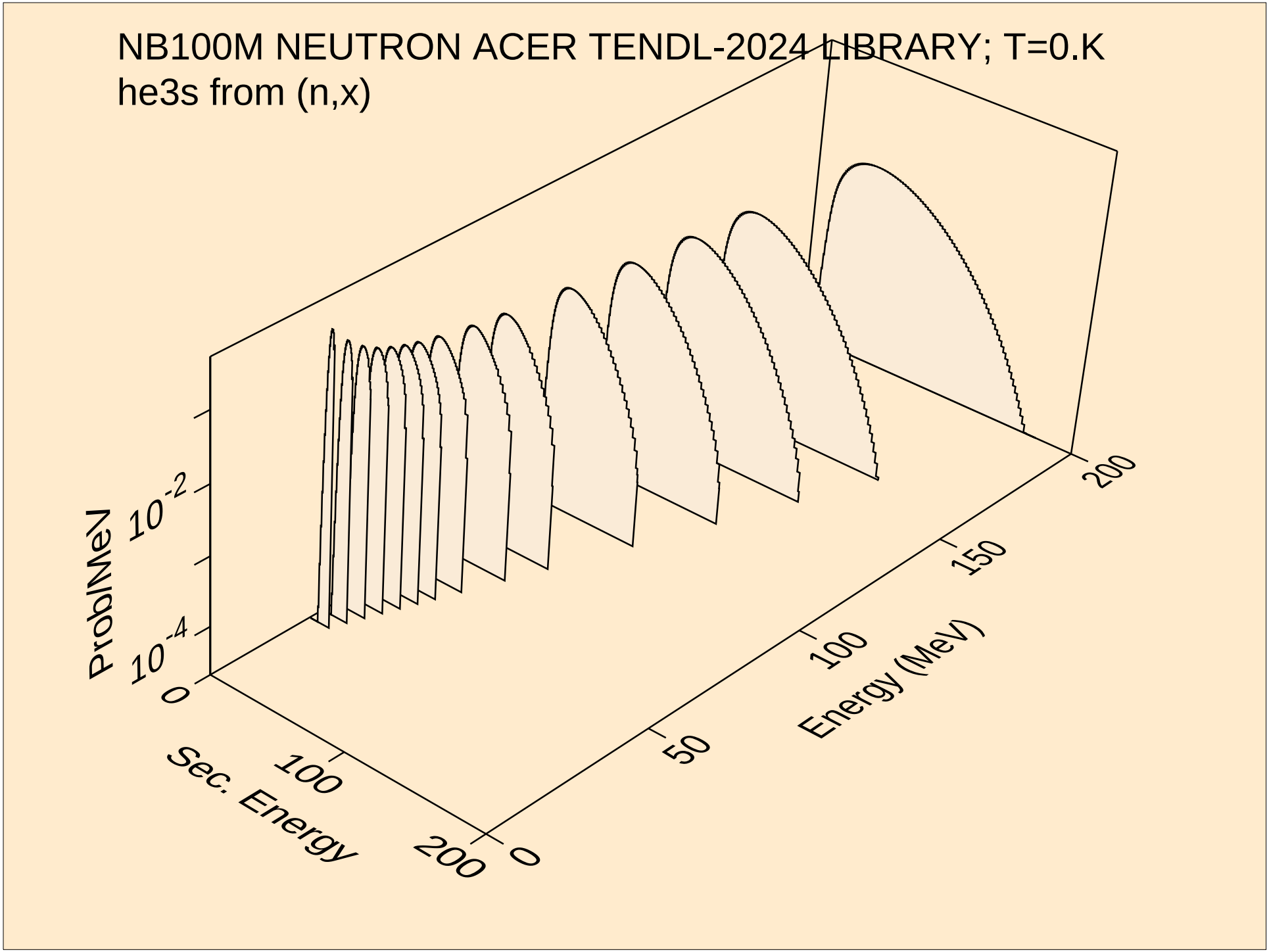

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,n*)d
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

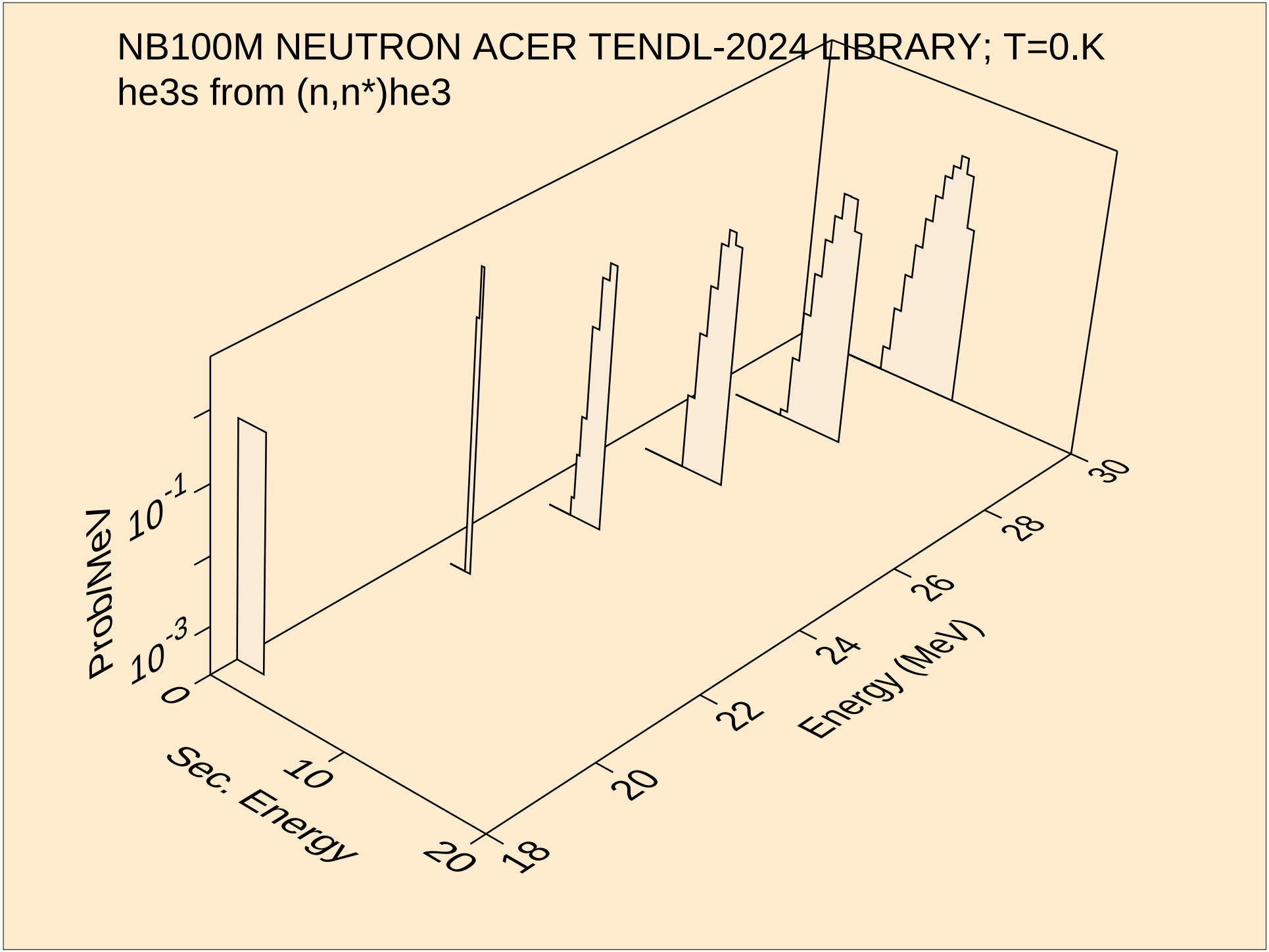

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,d)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
5
10
15
Energy (MeV)
20
25
30

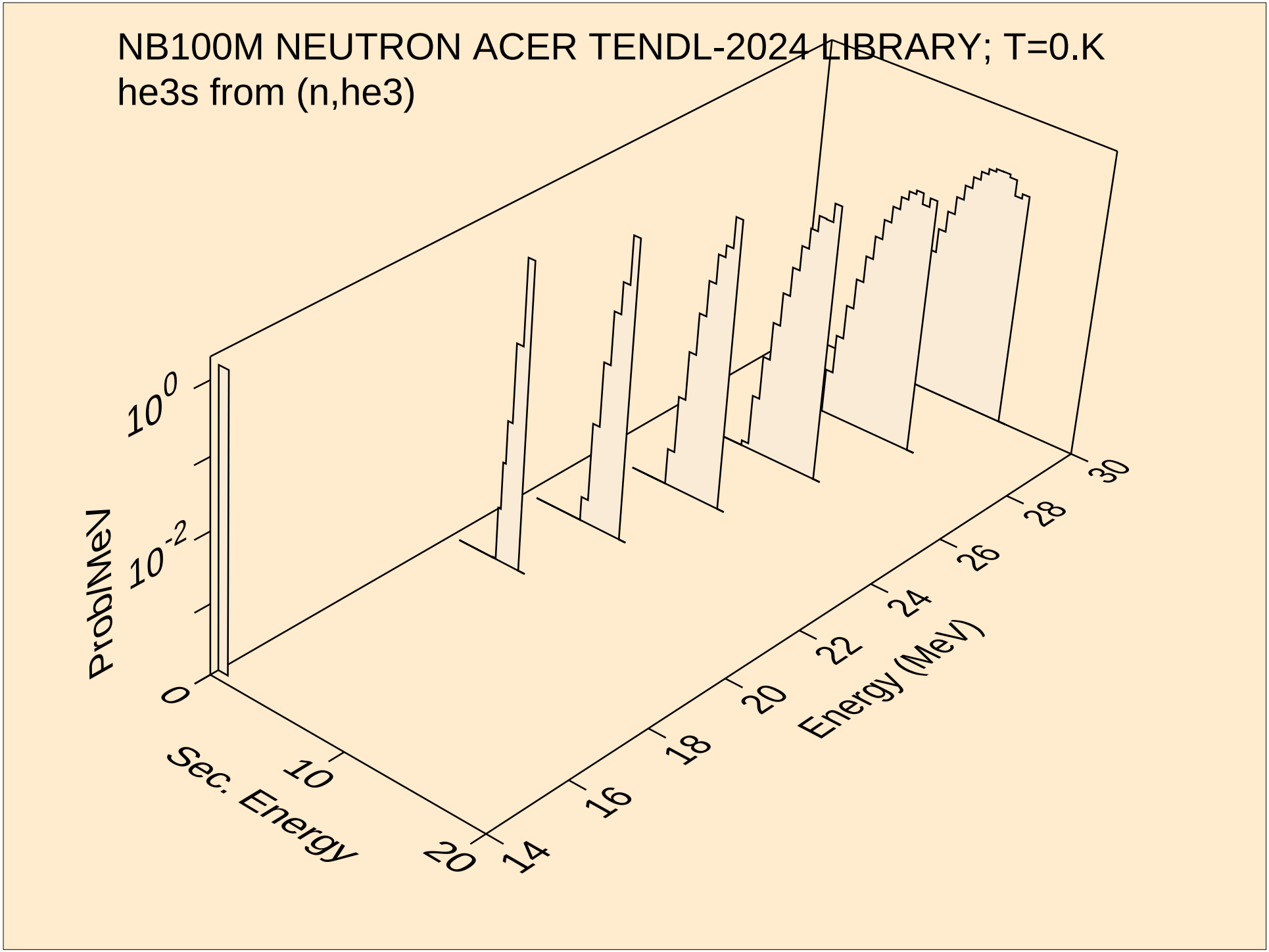

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

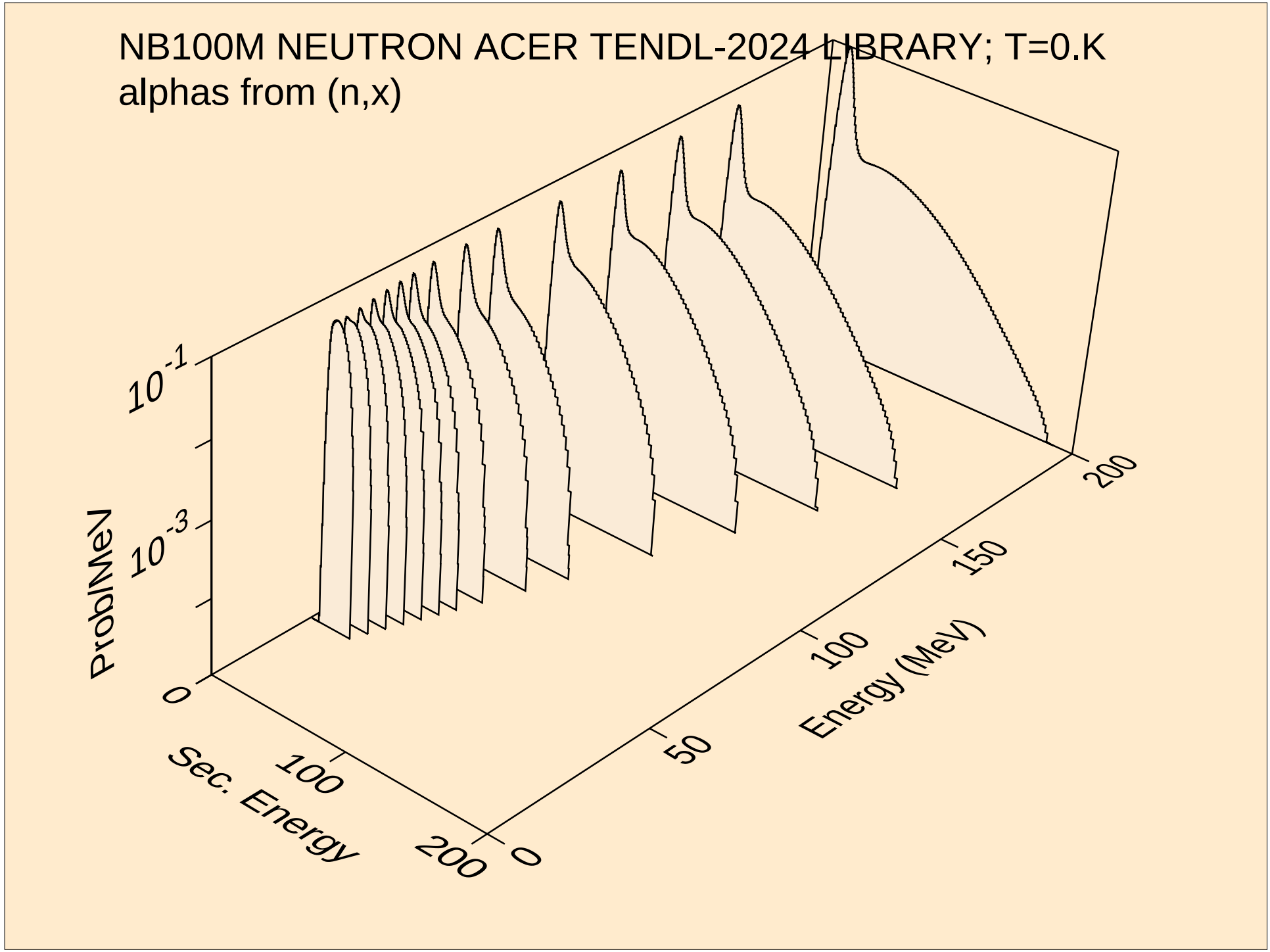

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,n*)t
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

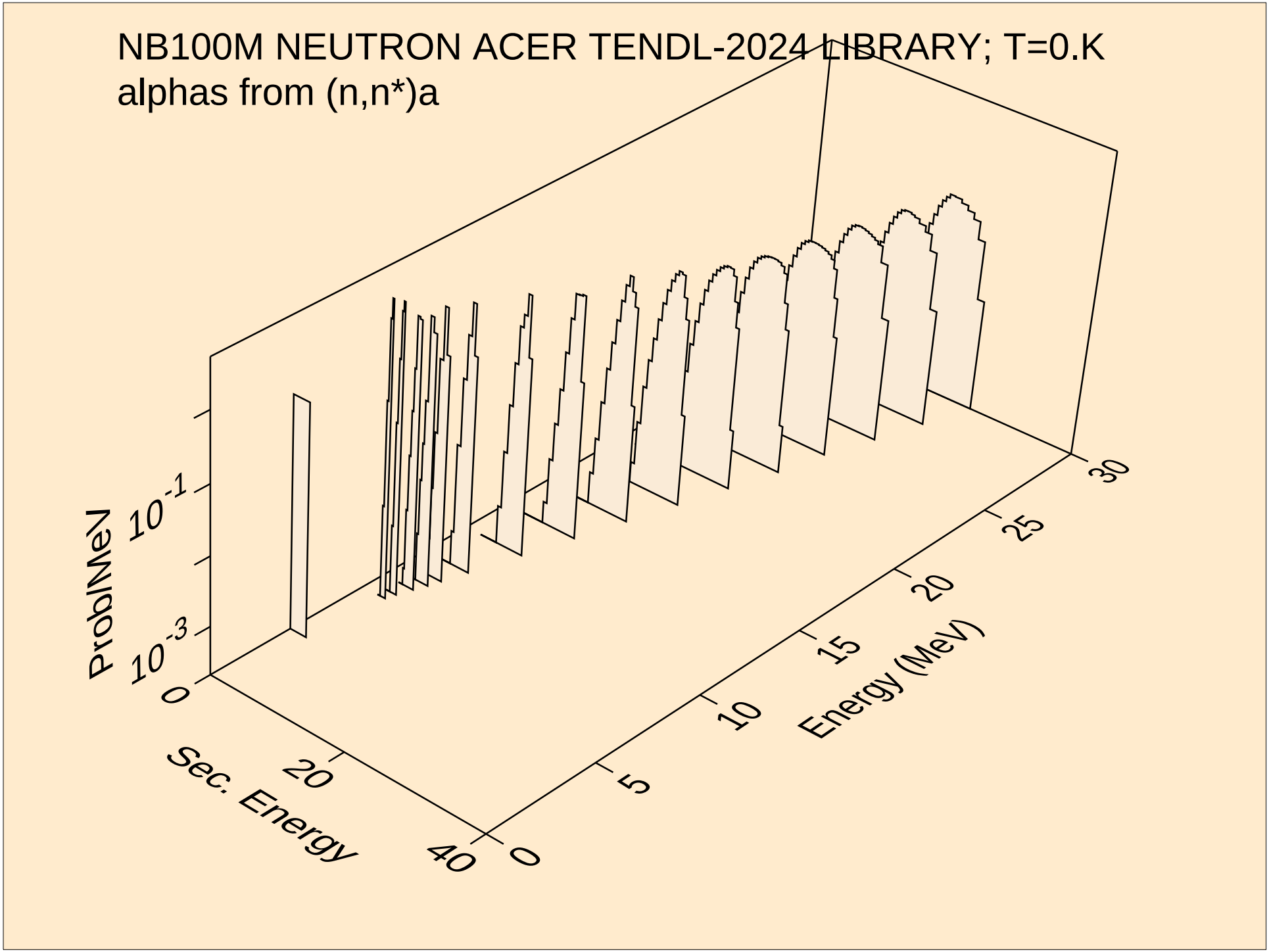

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,t)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
5
10
15
Energy (MeV)
20
25
30

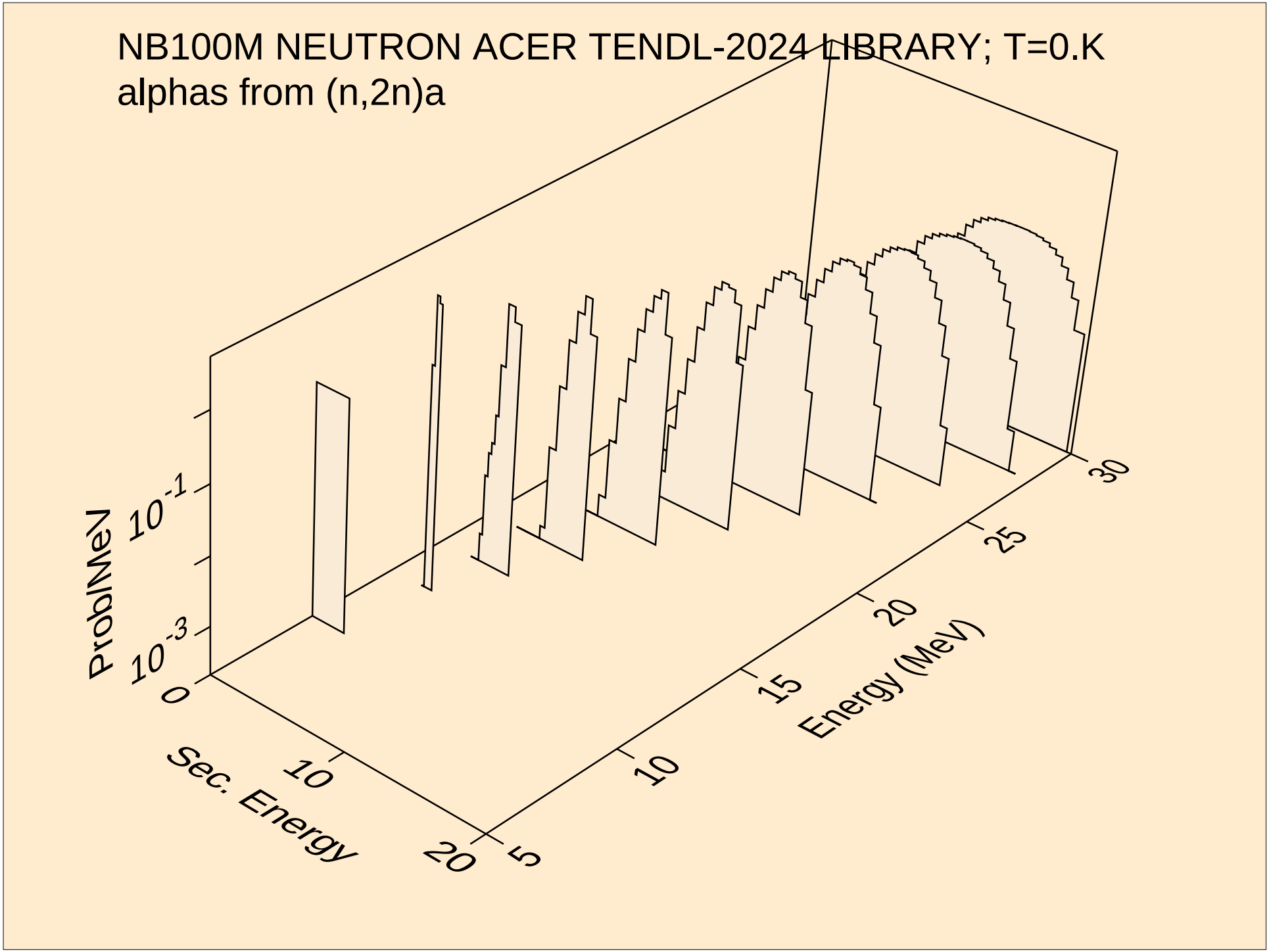

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,x)
Prob/MeV
10-2
10-4
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

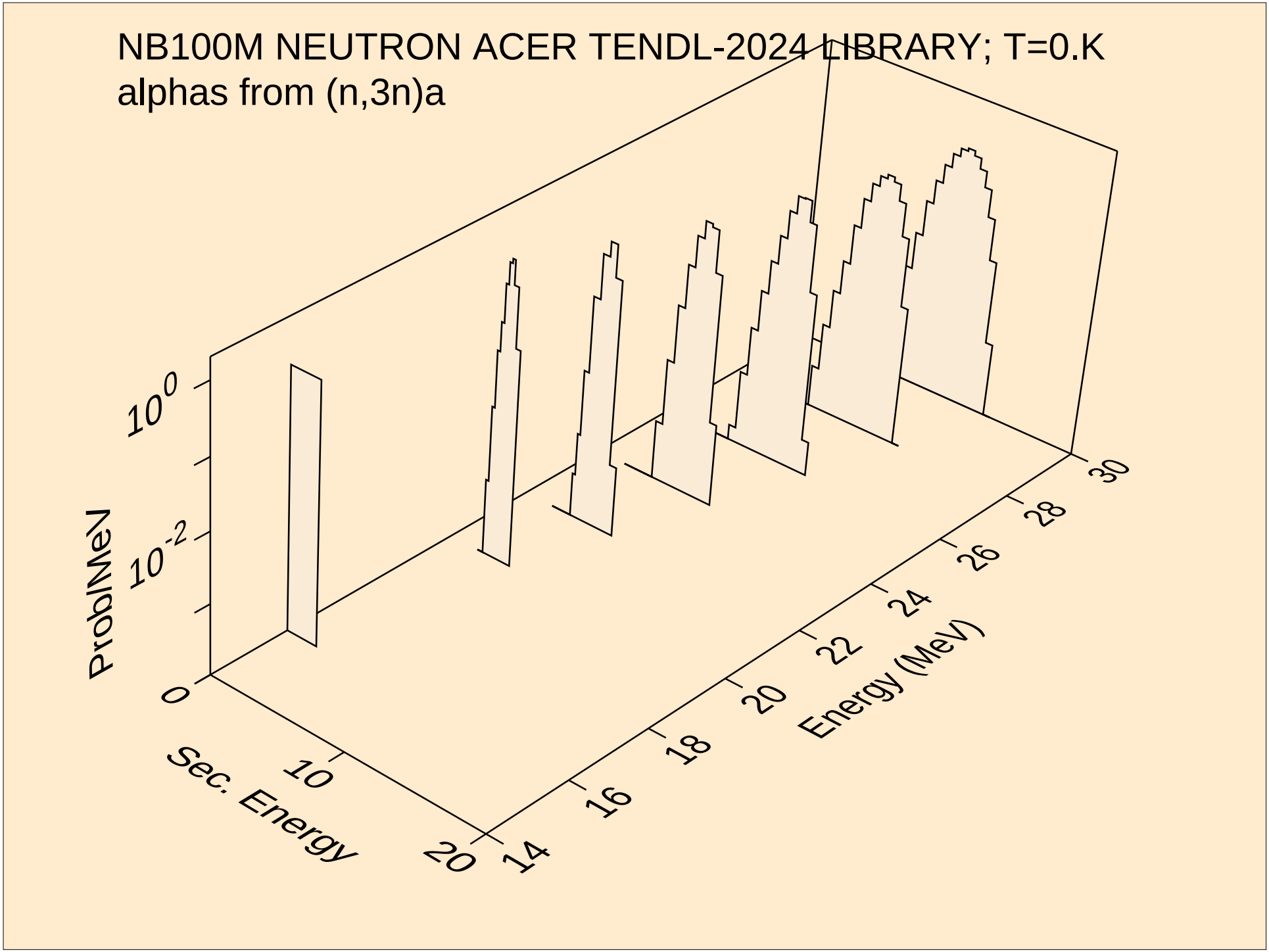

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,n*)he3
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
18
20
22
24
26
28
30
Energy (MeV)

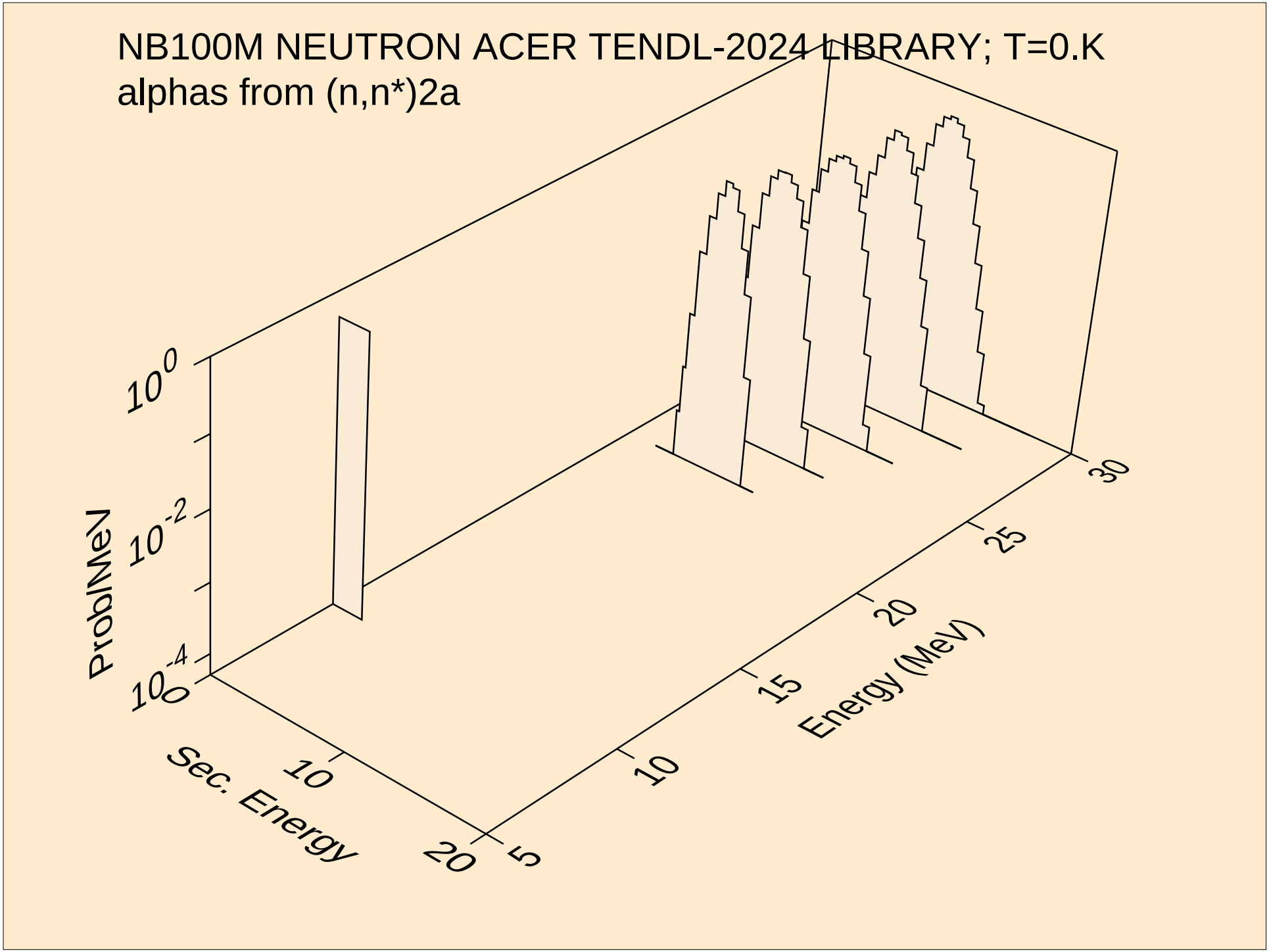

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,he3)
Prob/MeV
10^0
10^-2
0
Sec. Energy
10
20
14
16
18
20
22
24
26
28
30
Energy (MeV)

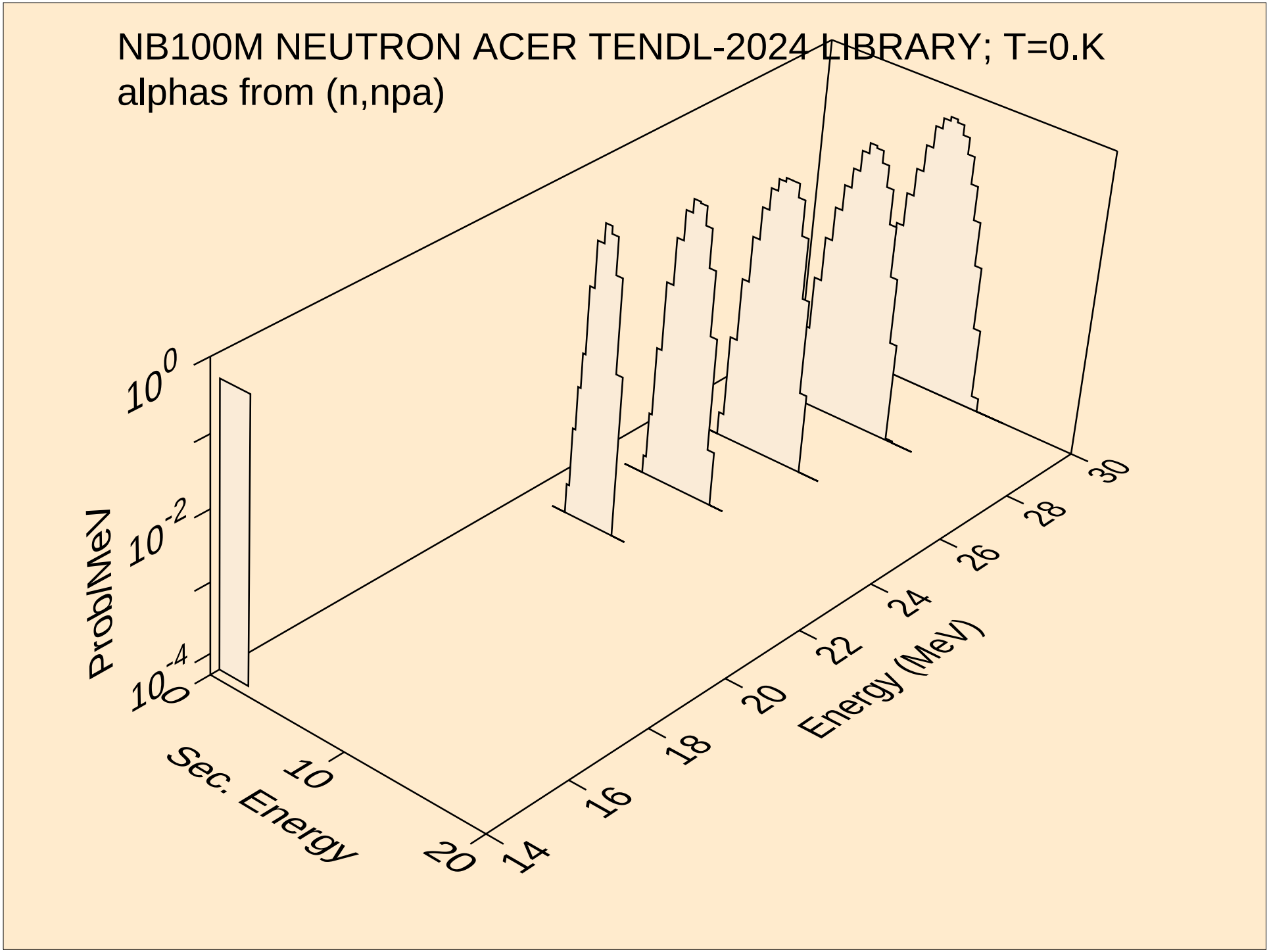

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

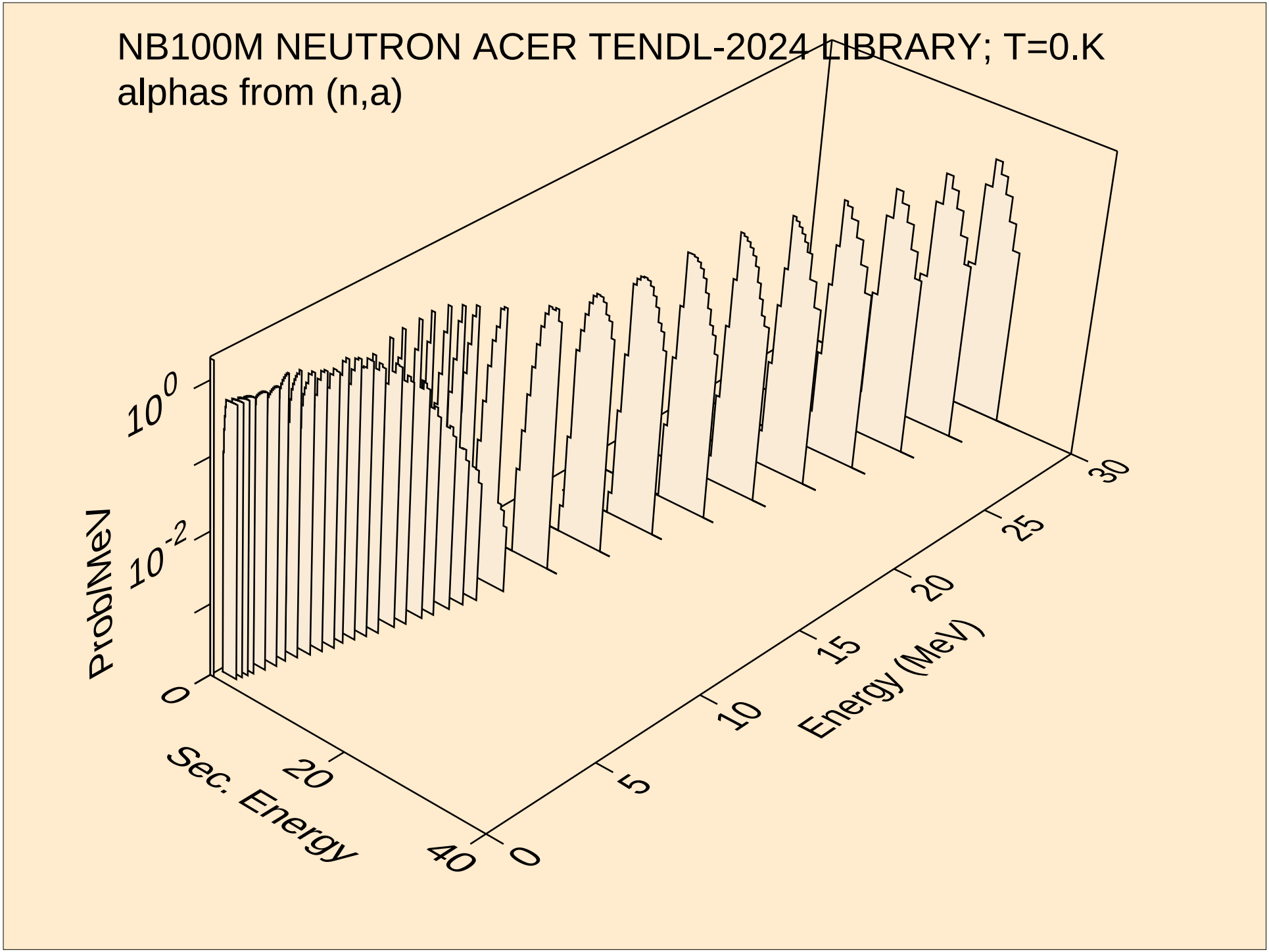

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)a
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

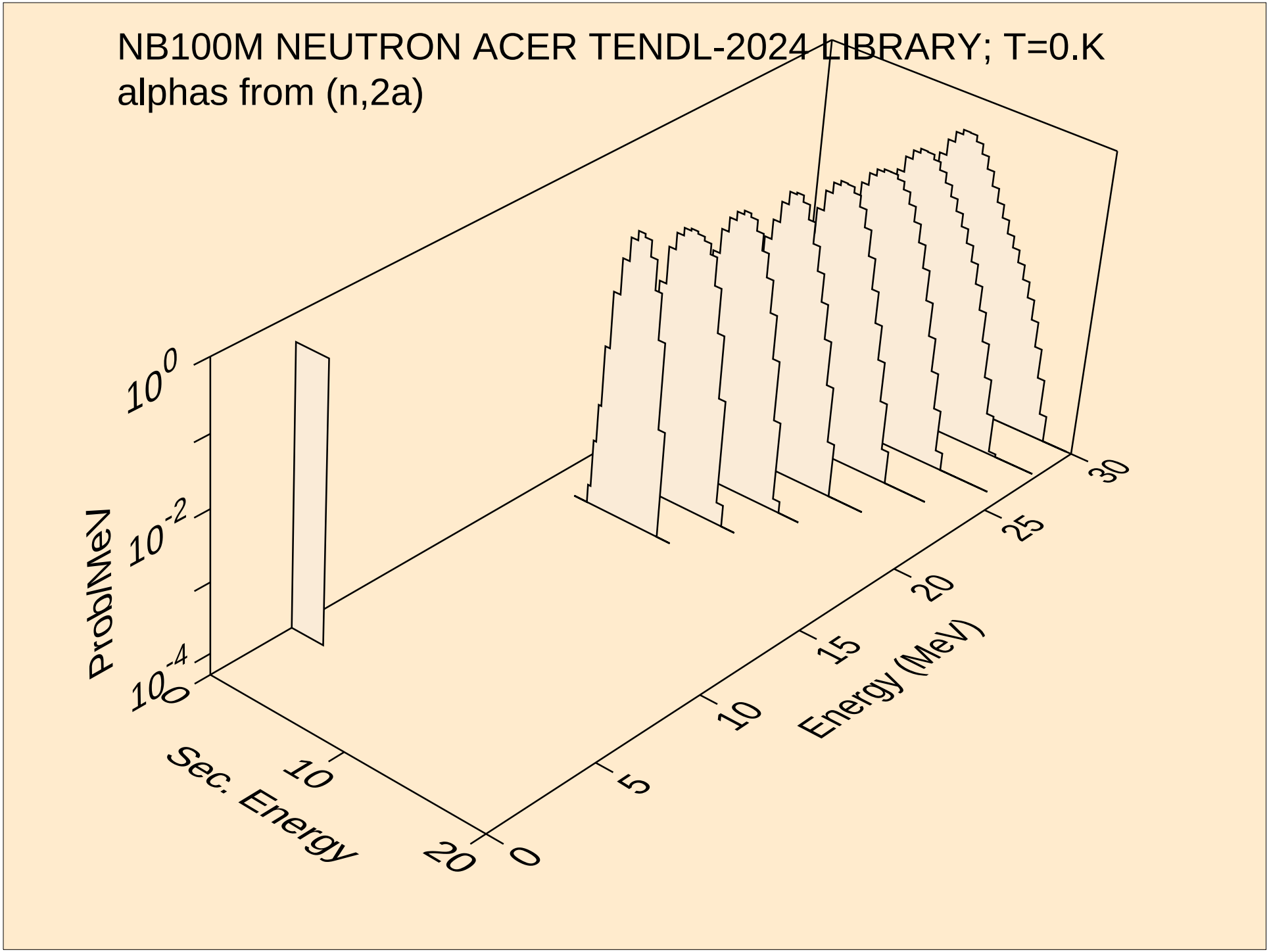

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2n)a
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

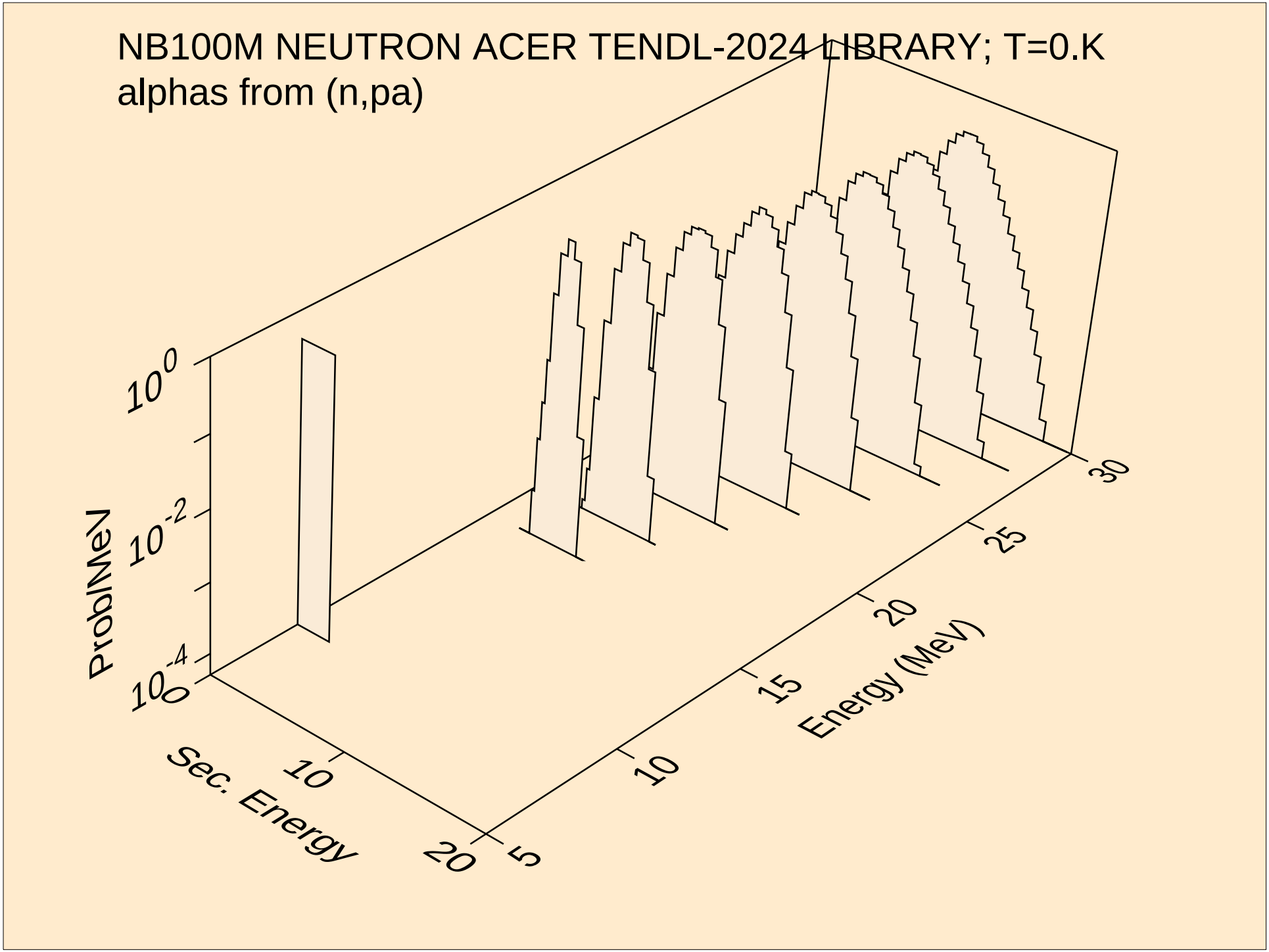

NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,3n)a
Prob/MeV
10^{0}
10^{-2}
0
Sec. Energy
10
20
Energy (MeV)
14
16
18
20
22
24
26
28
30


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)2a
Prob/MeV
10^0
10^-2
10^-4
0
10
20
Sec. Energy
5
10
15
20
25
30
Energy (MeV)


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,npa)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
10
20
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,a)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2a)
Prob/MeV
10^0
10^-2
10^-4
0
10
20
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)


NB100M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,pa)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)