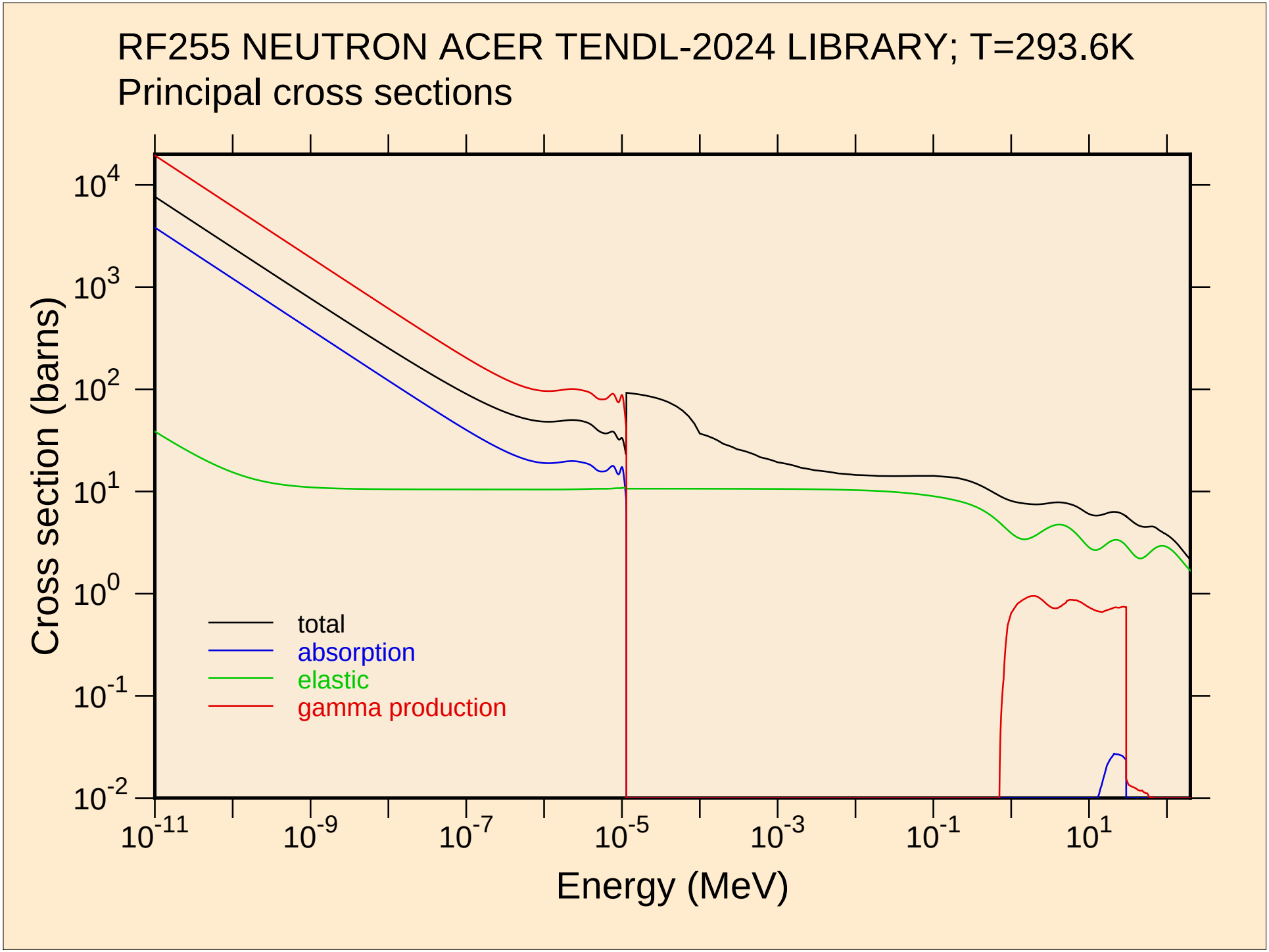
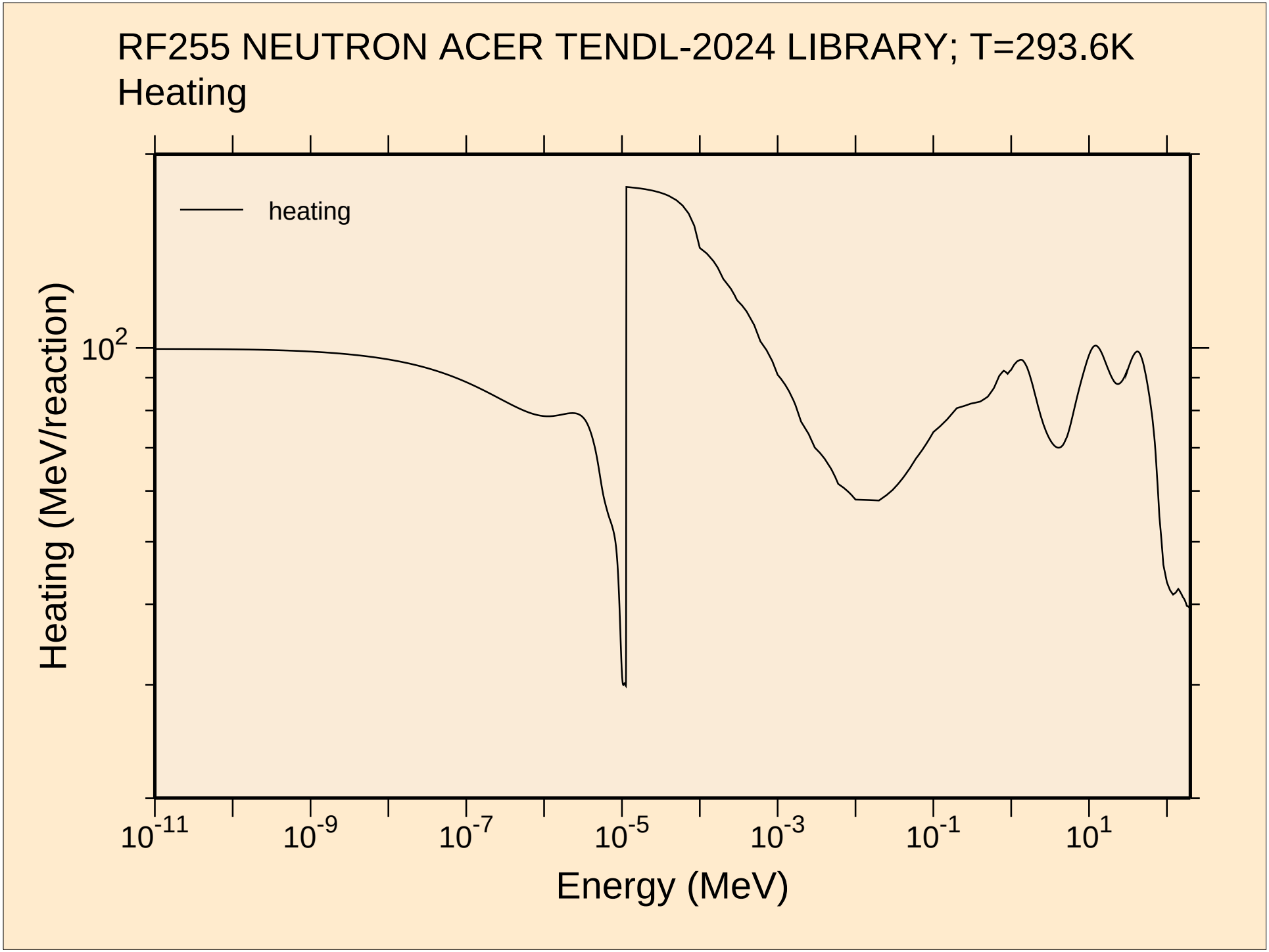
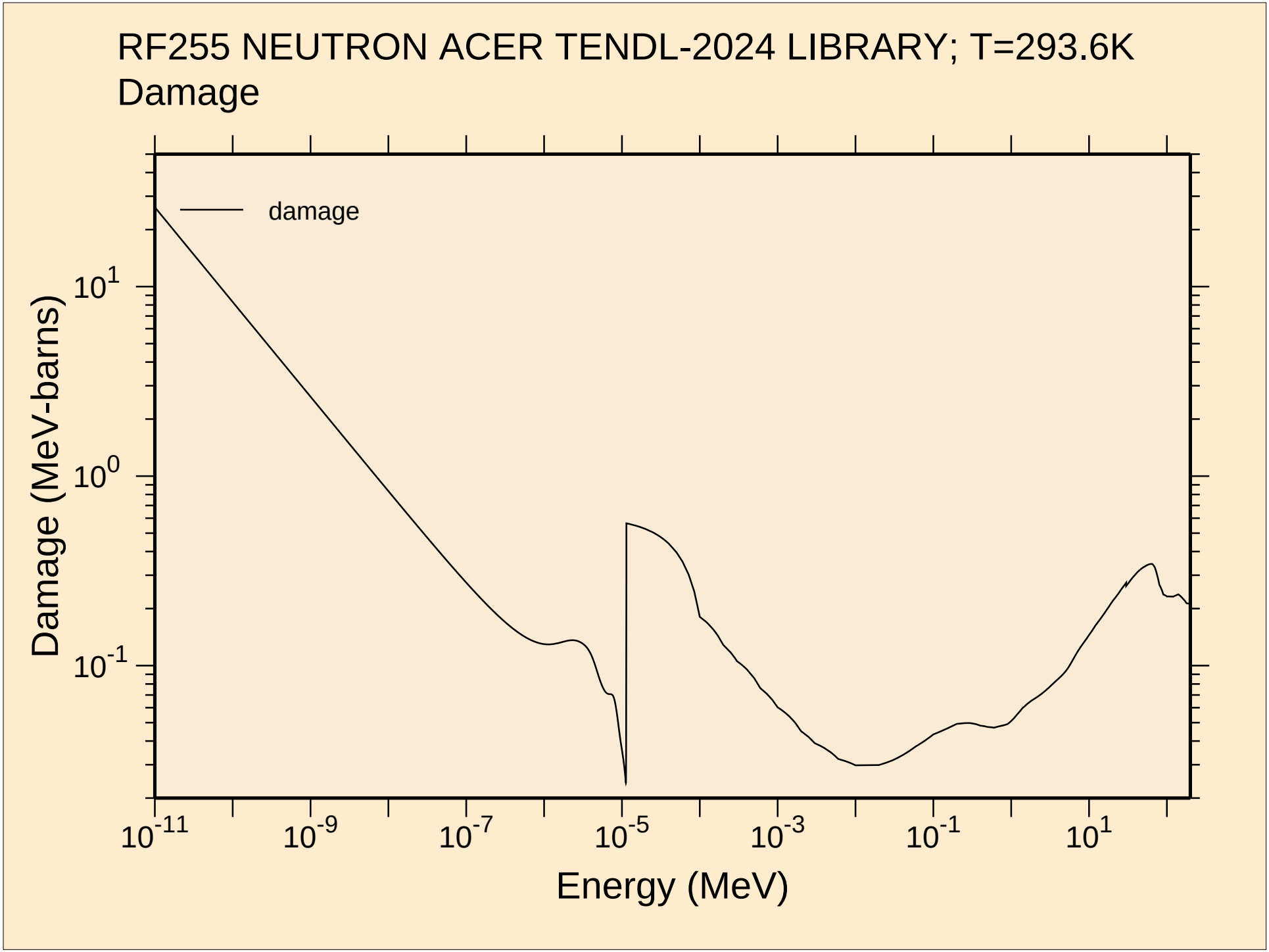
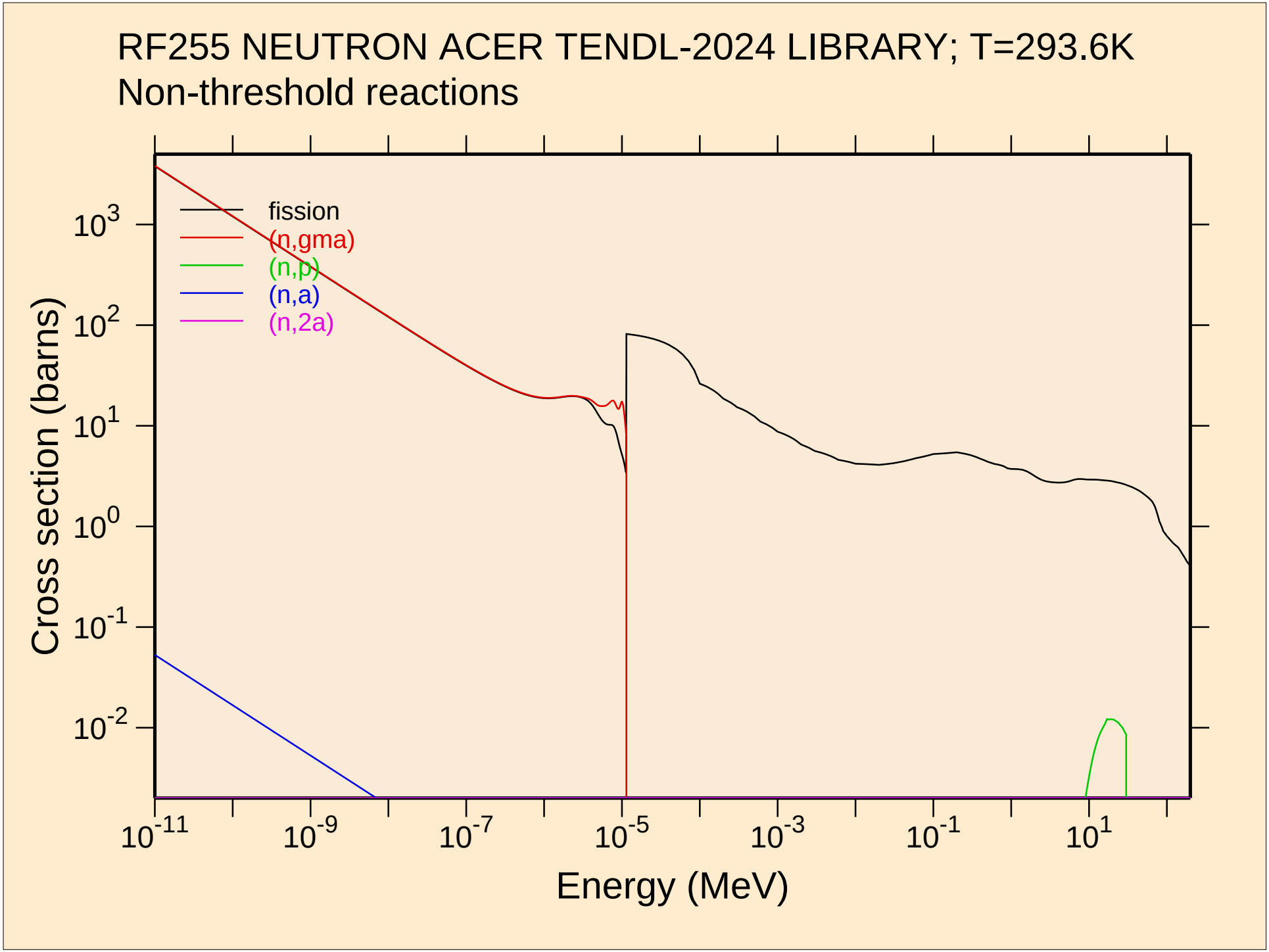
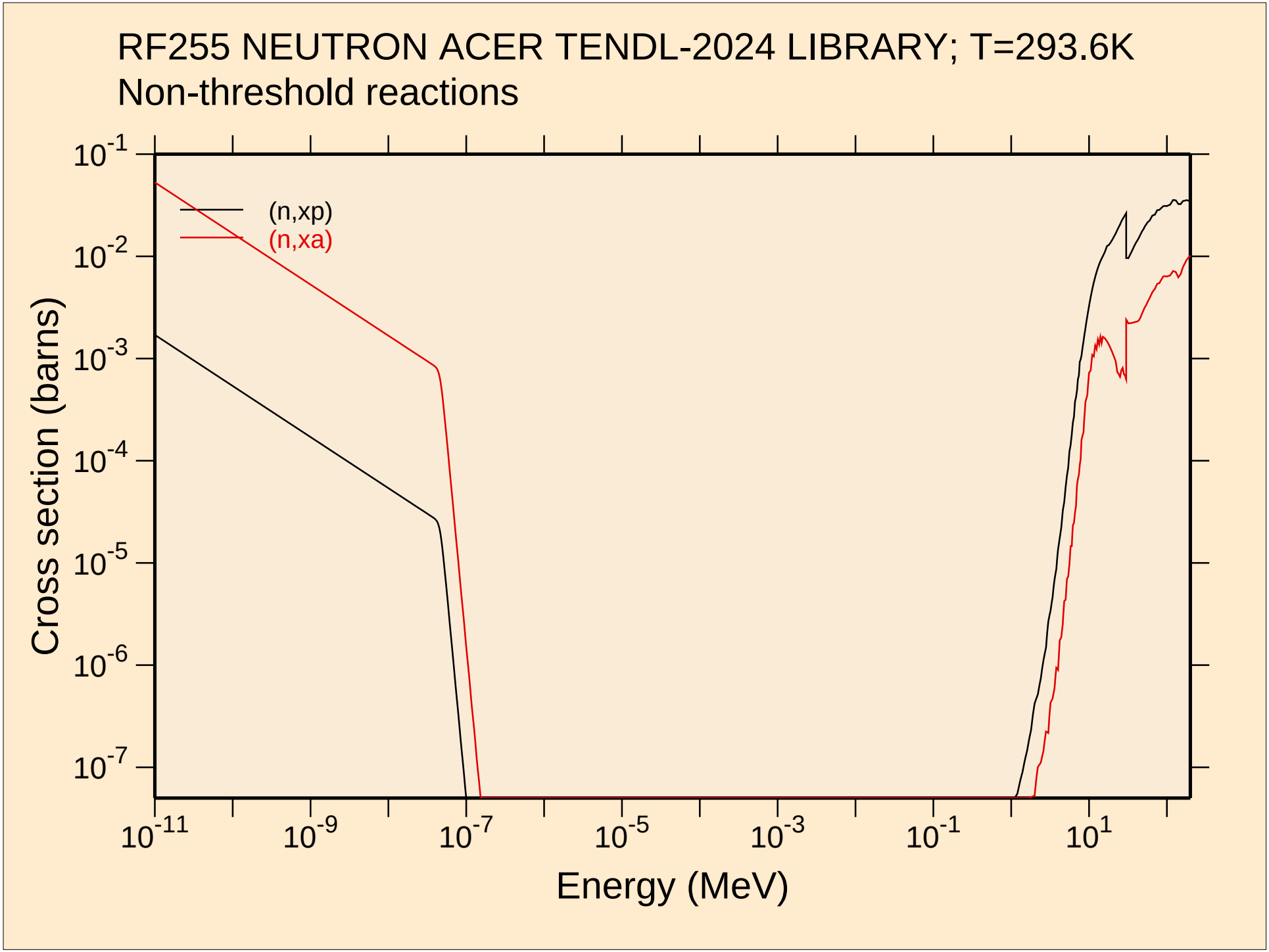
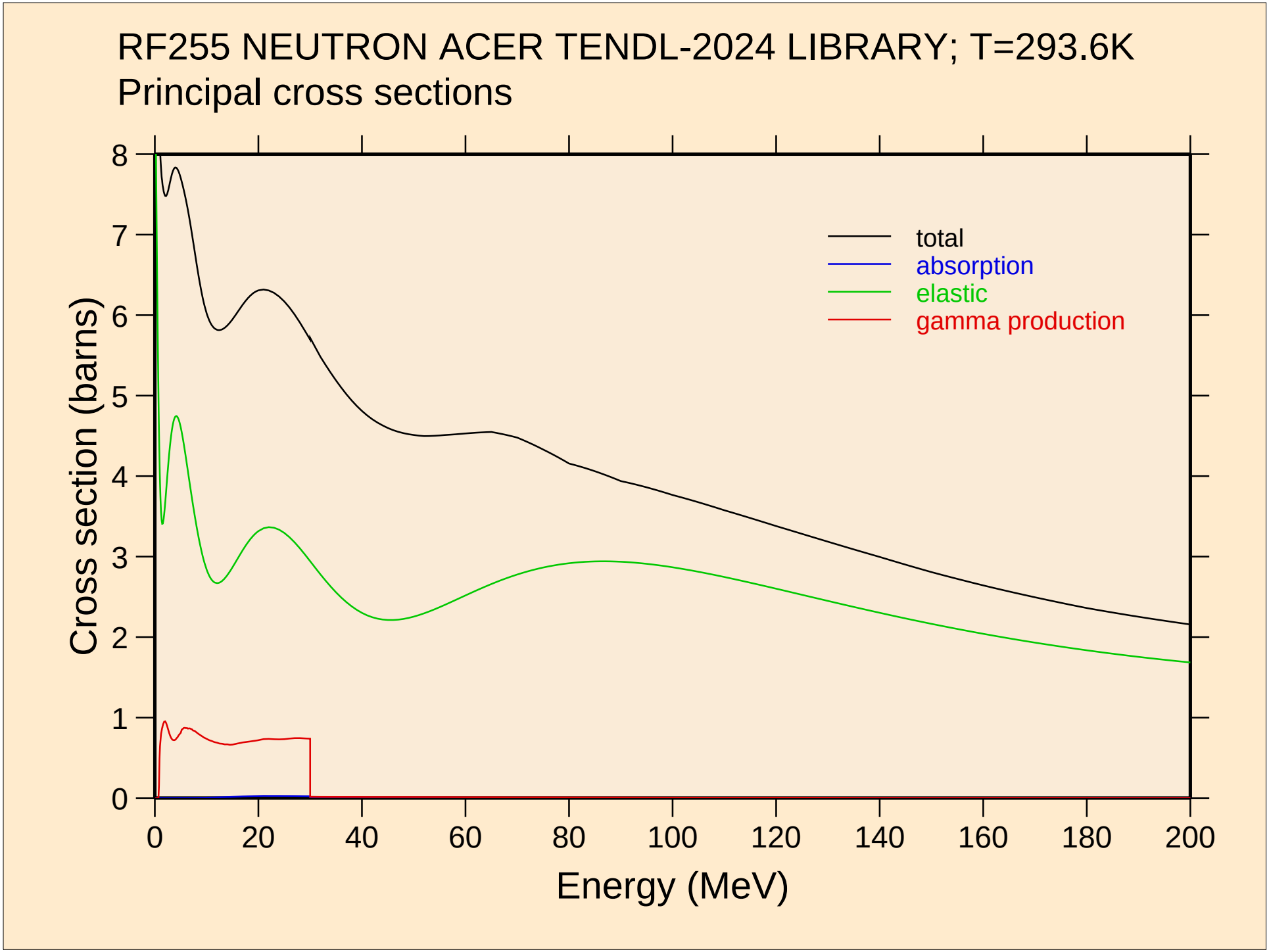

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Principal cross sections
Cross section (barns)
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
total
absorption
elastic
gamma production
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^{1}
Energy (MeV)

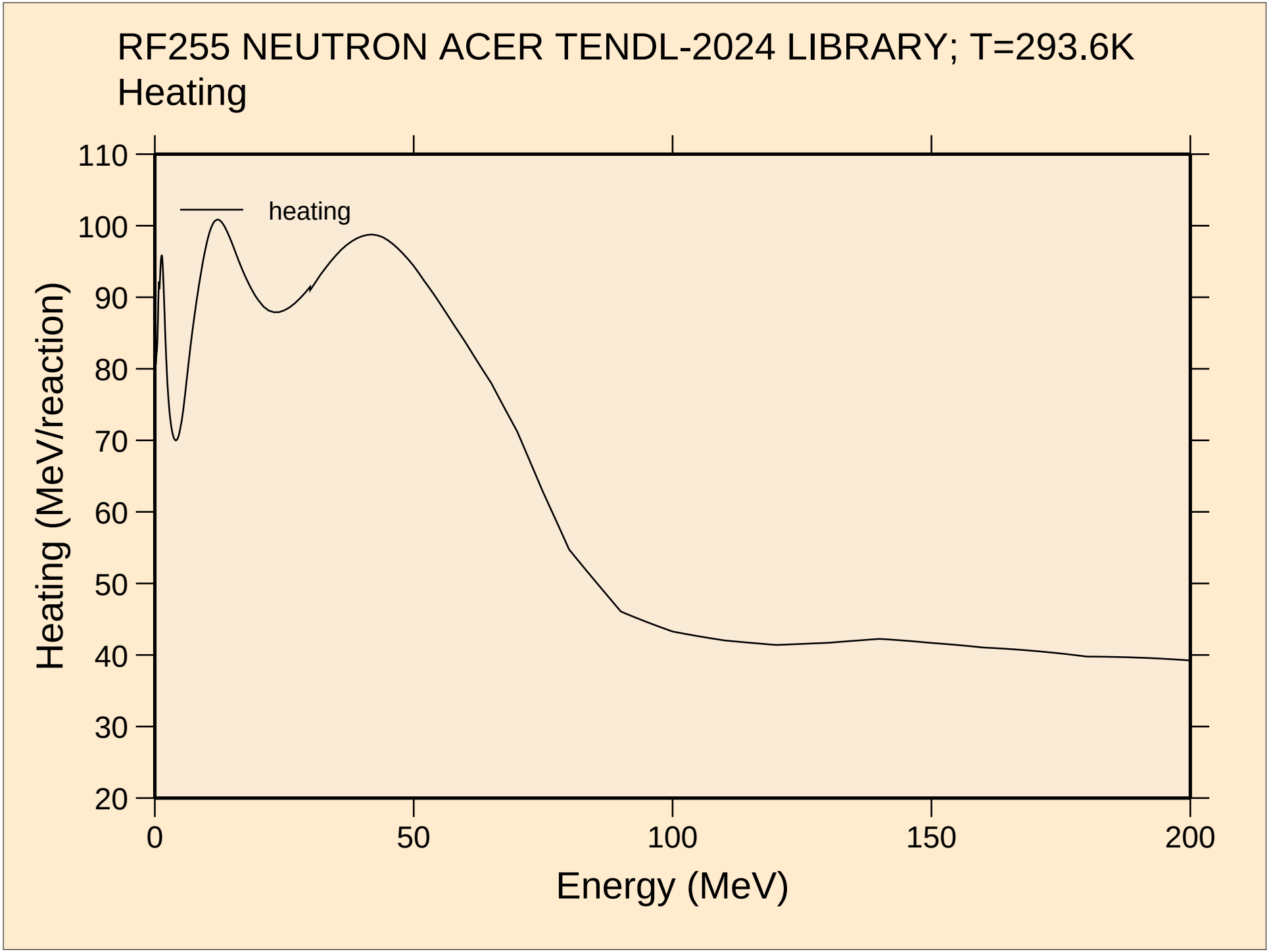

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Heating
heating
Heating (MeV/reaction)
10^2
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

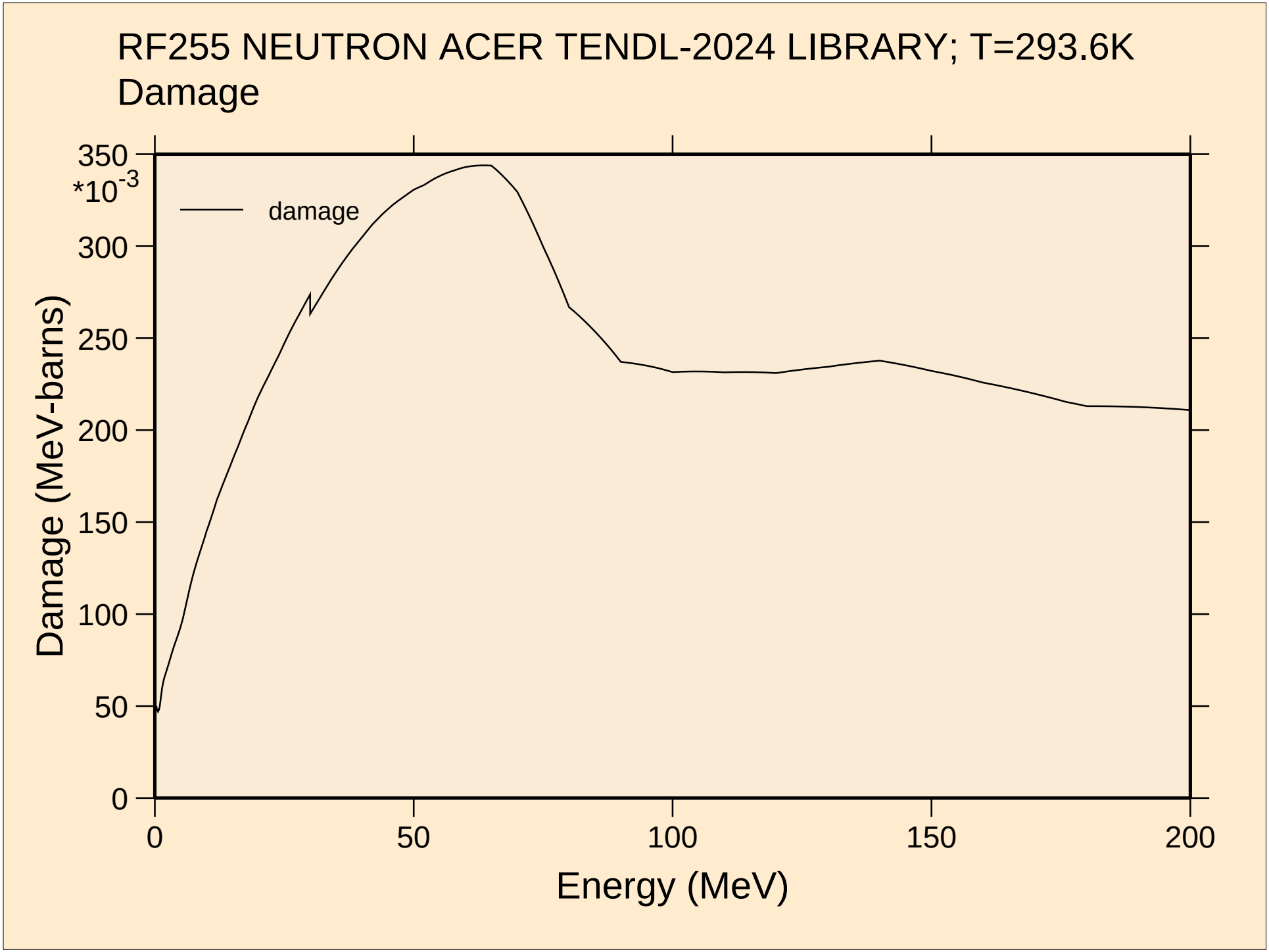

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Damage
damage
Damage (MeV-barns)
10^1
10^0
10^-1
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

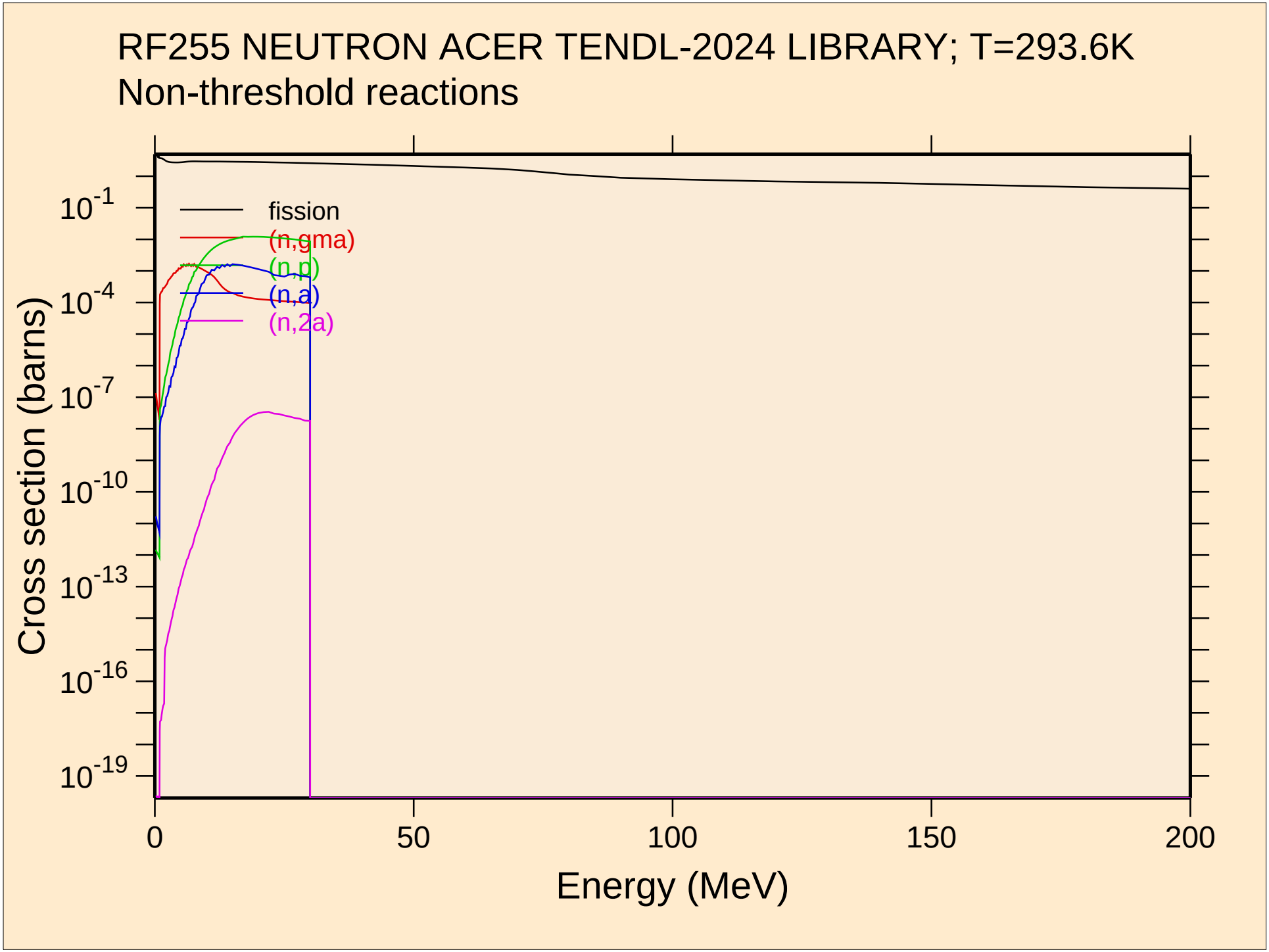

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions
fission
(n,gma)
(n,p)
(n,a)
(n,2a)
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

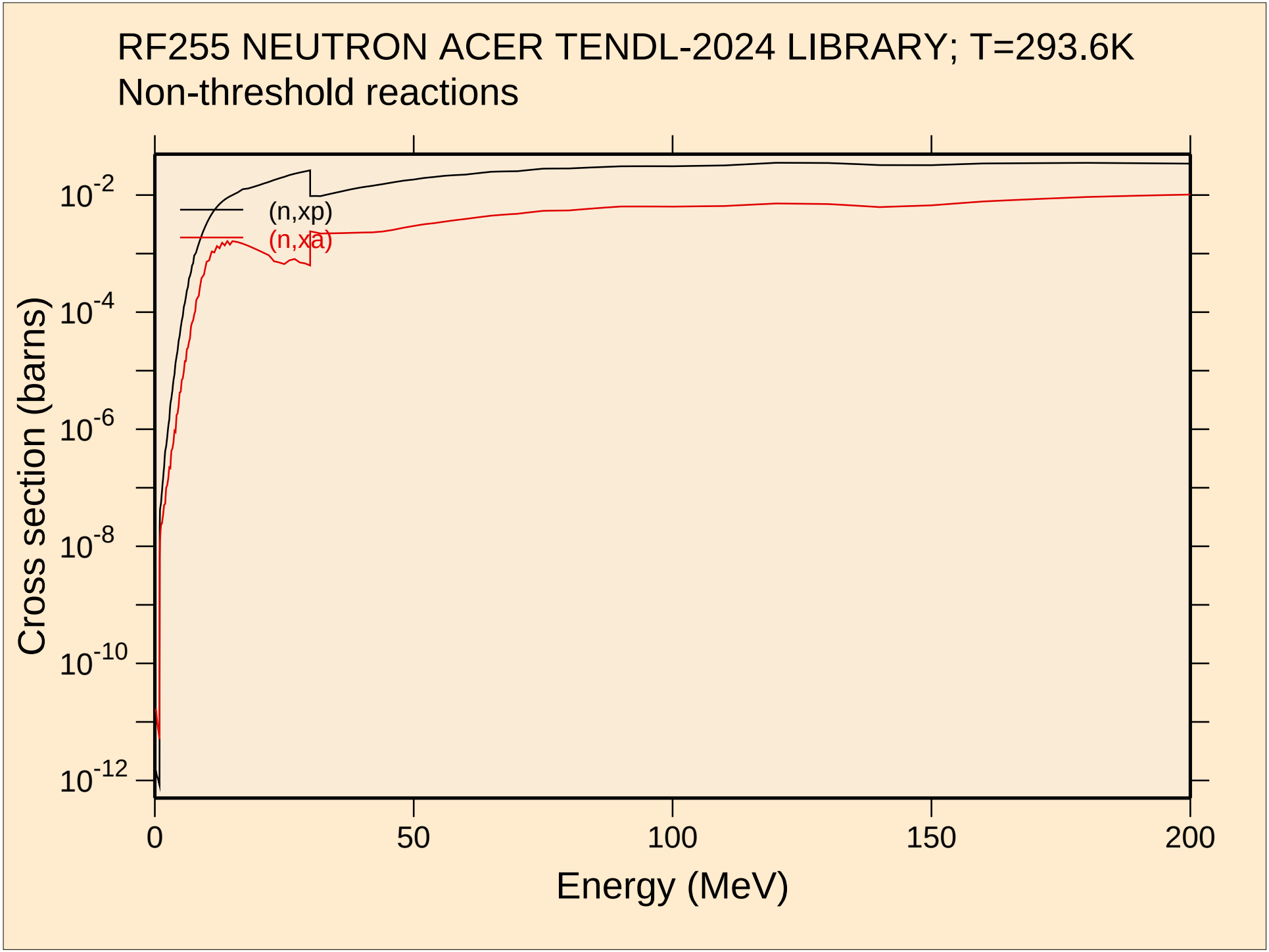

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions
(n,xp)
(n,xa)
Cross section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
10-11
10-9
10-7
10-5
10-3
10-1
101
Energy (MeV)

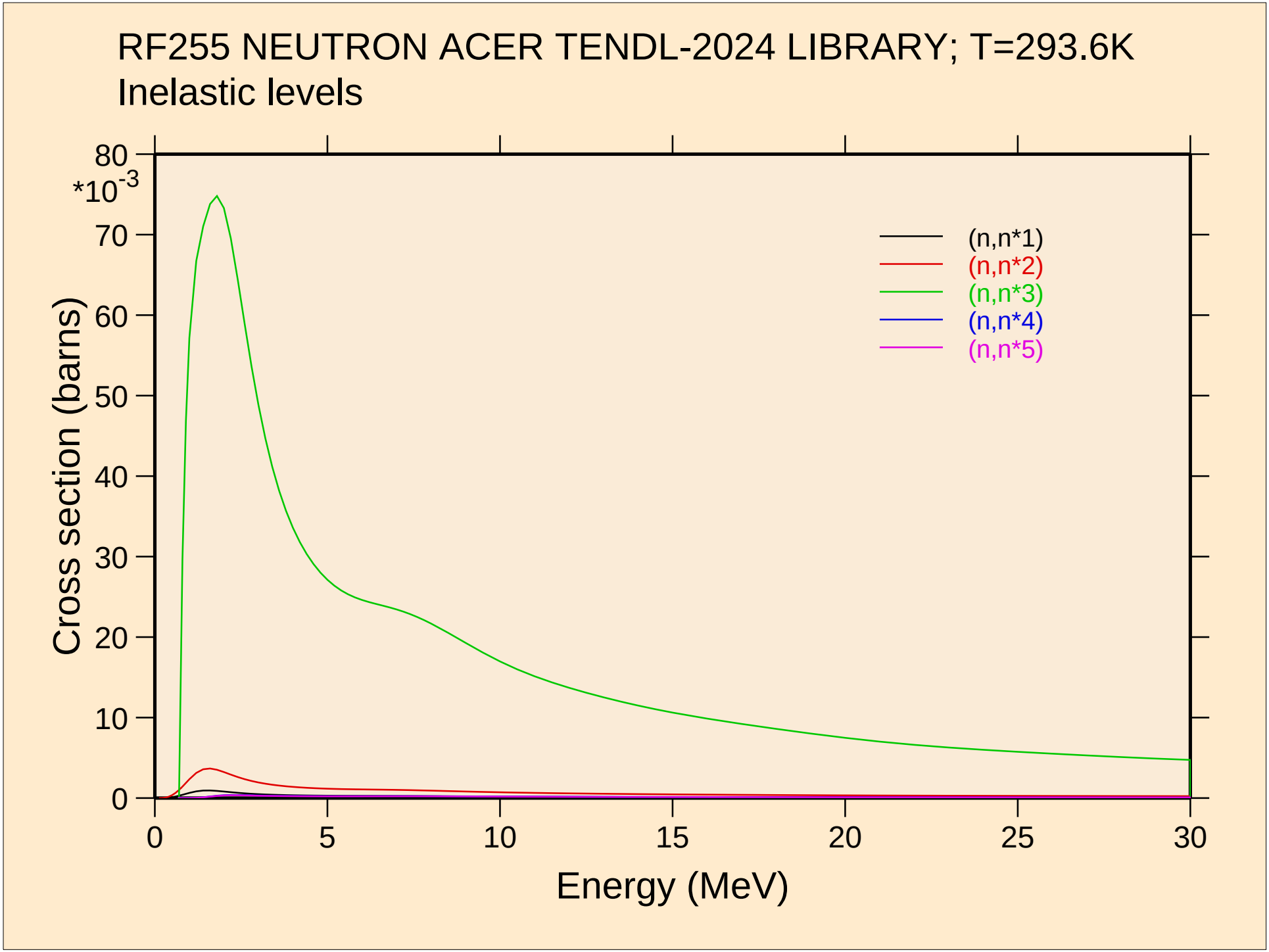

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Principal cross sections
Cross section (barns)
Energy (MeV)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180
200
total
absorption
elastic
gamma production

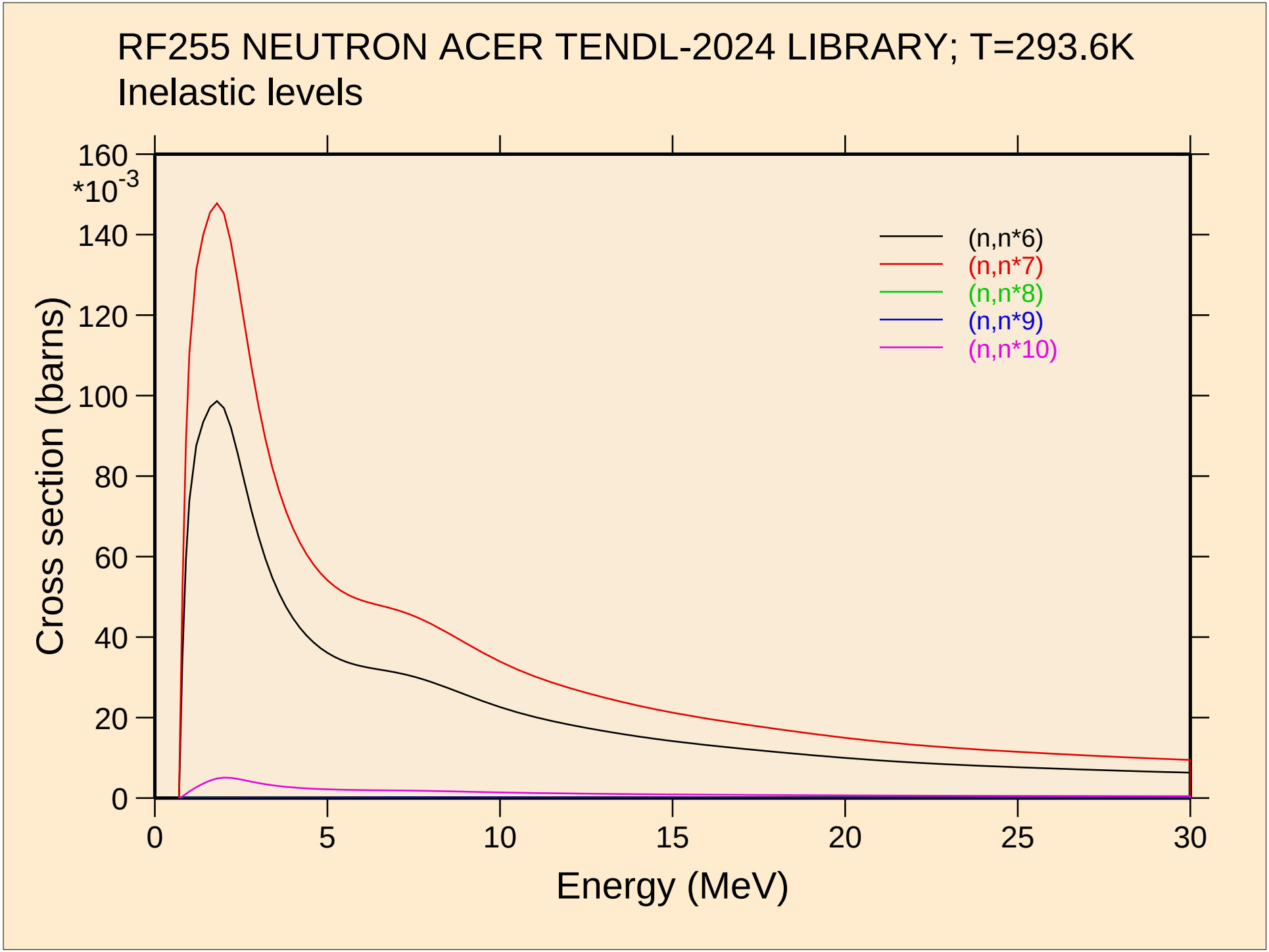

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
110
100
90
80
70
60
50
40
30
20
0
50
100
150
200

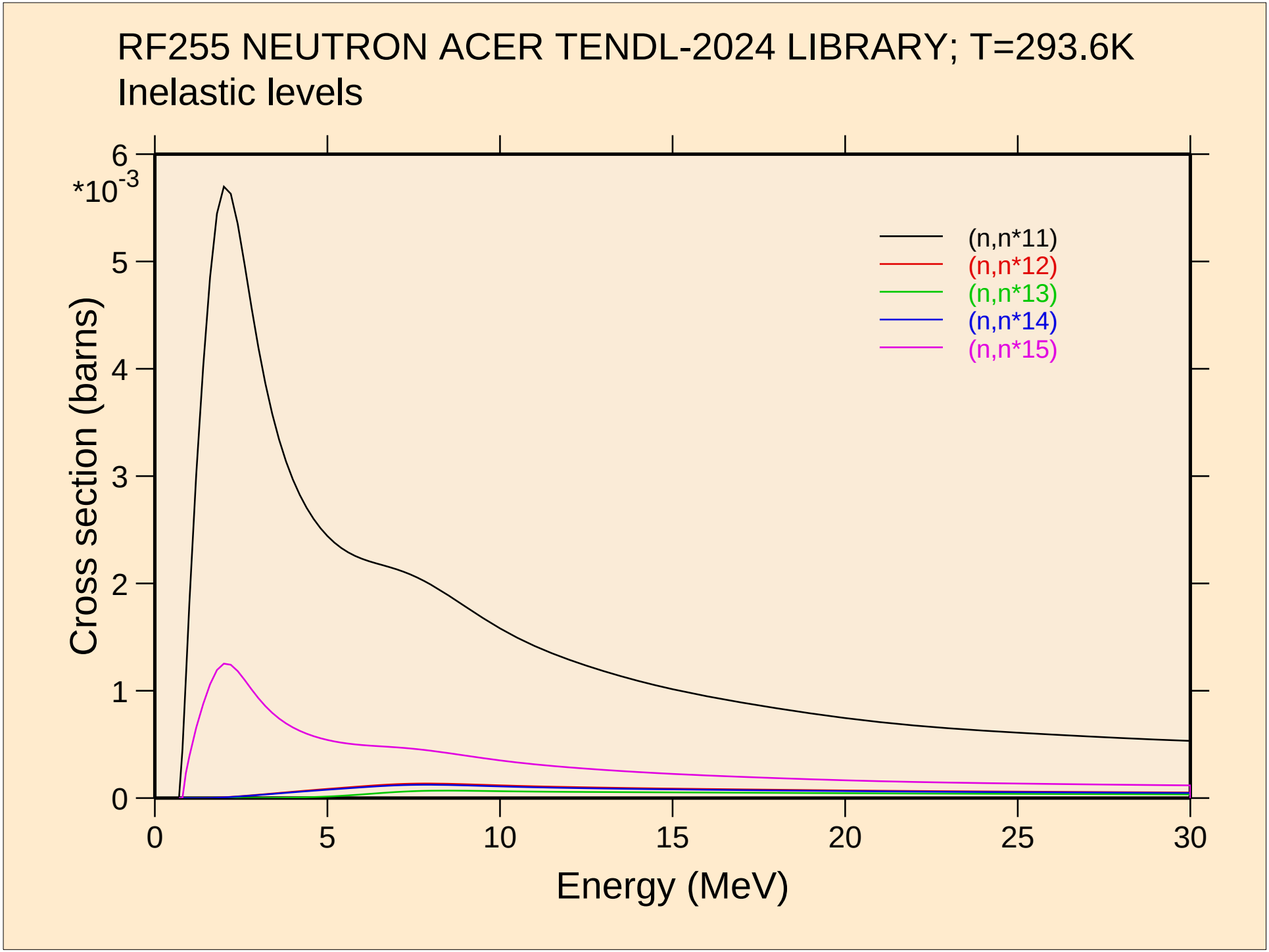

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Damage
*10-3
damage
350
300
250
200
150
100
50
0
Damage (MeV-barns)
0
50
100
150
200
Energy (MeV)

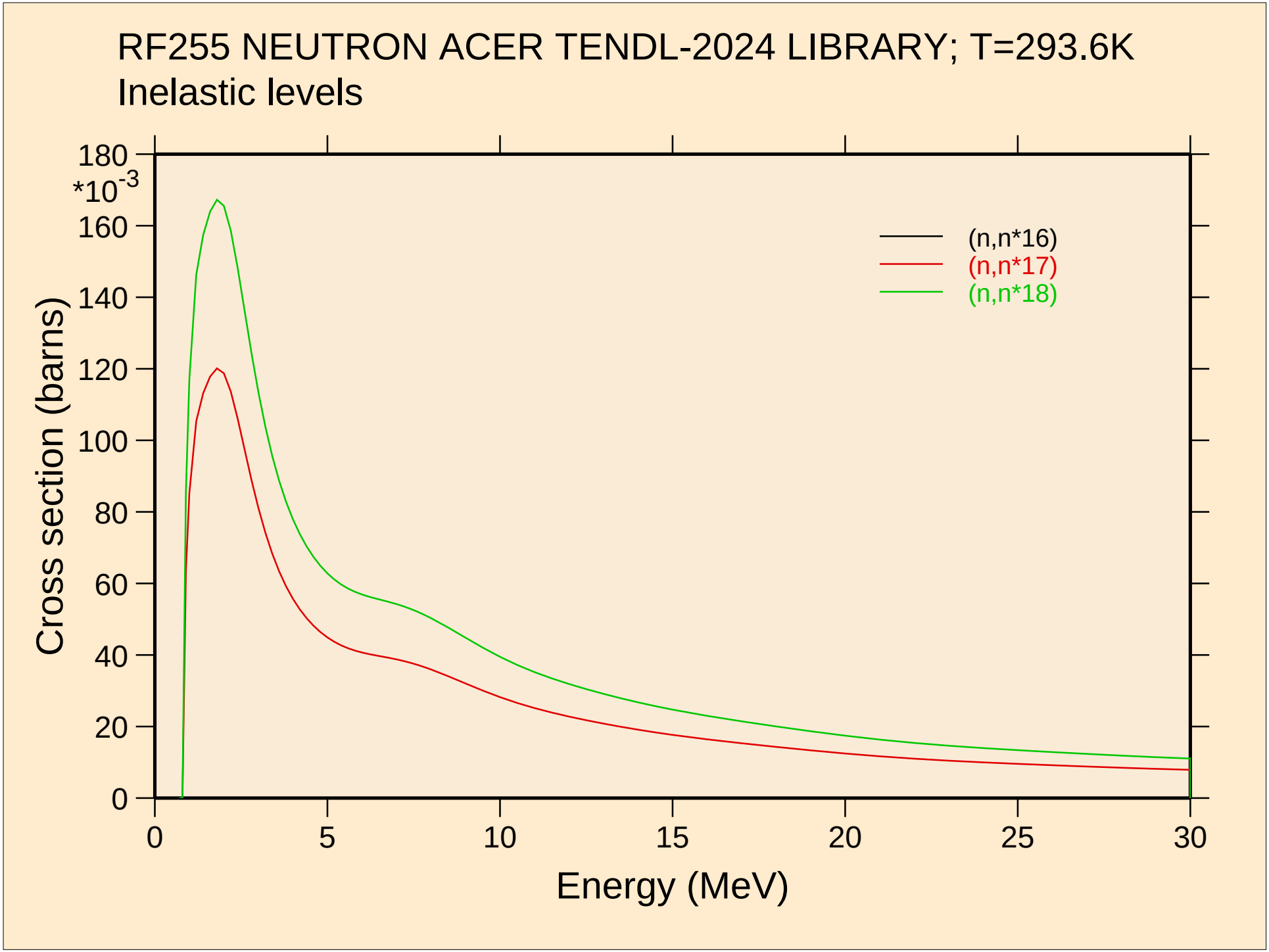

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions
fission
(n,gma)
(n,p)
(n,a)
(n,2a)
Cross section (barns)
10-1
10-4
10-7
10-10
10-13
10-16
10-19
0
50
100
150
200
Energy (MeV)

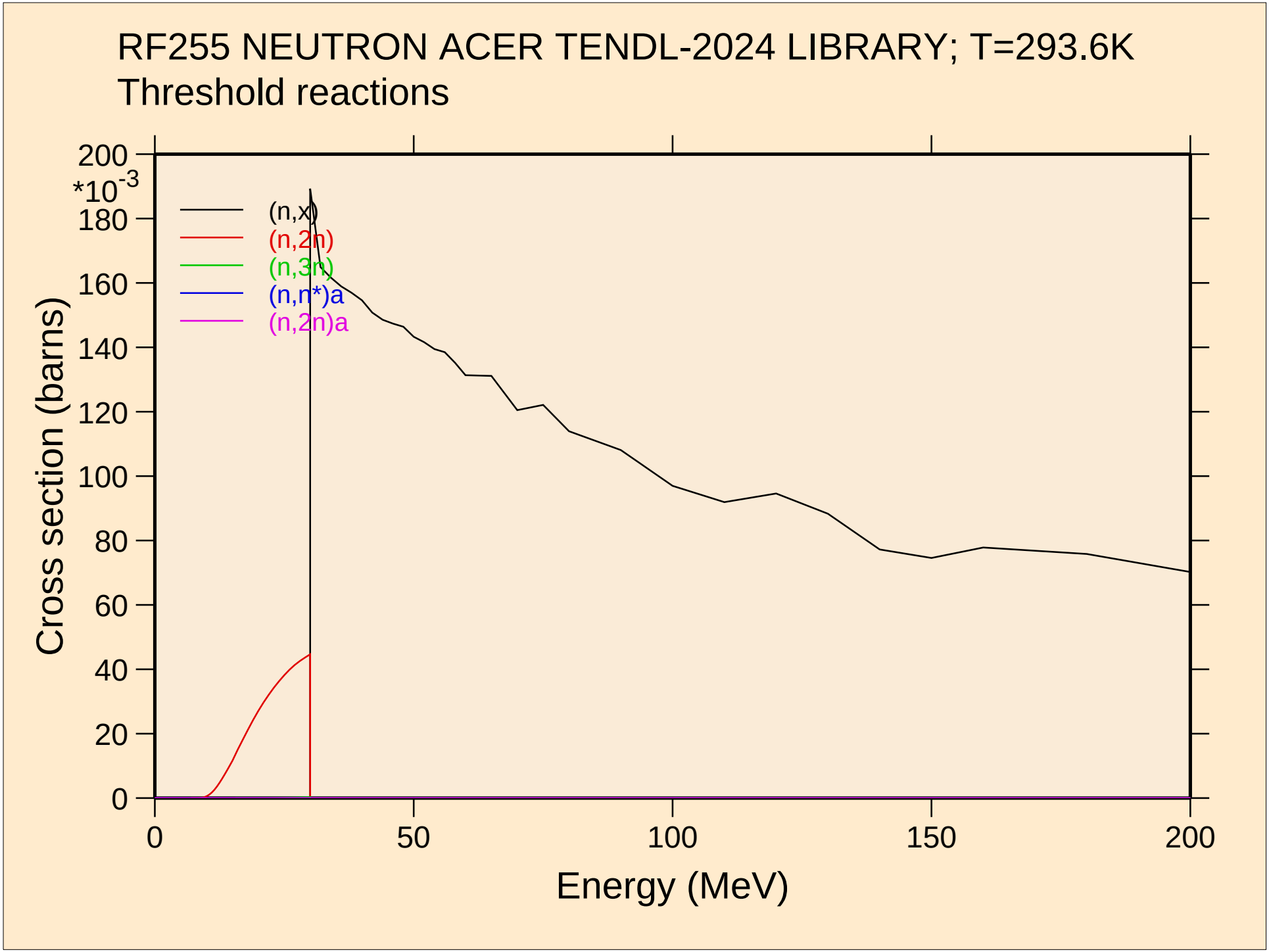

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions
(n,xp)
(n,xa)
Cross section (barns)
10-2
10-4
10-6
10-8
10-10
10-12
0
50
100
150
200
Energy (MeV)

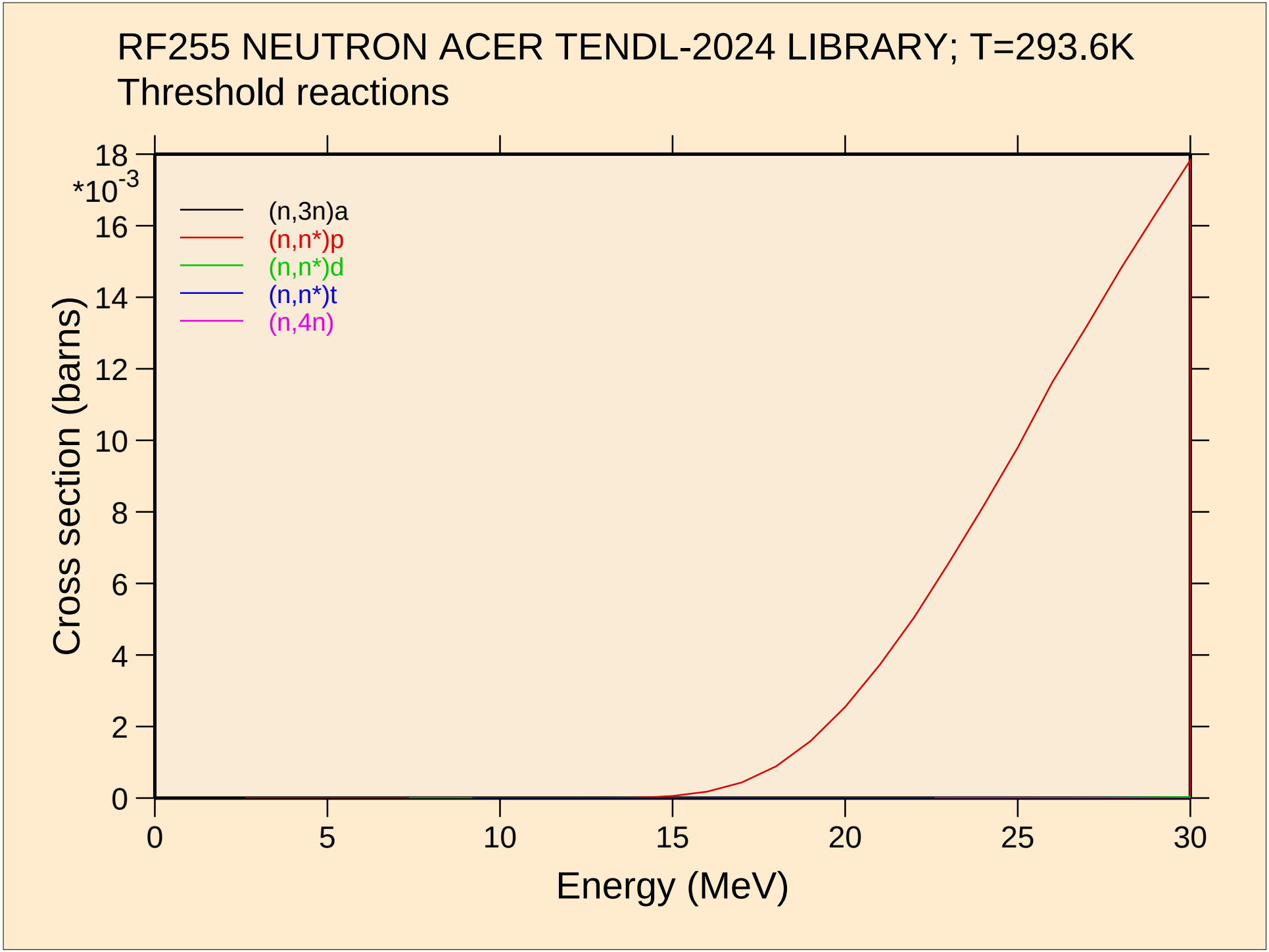

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
*10-3
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

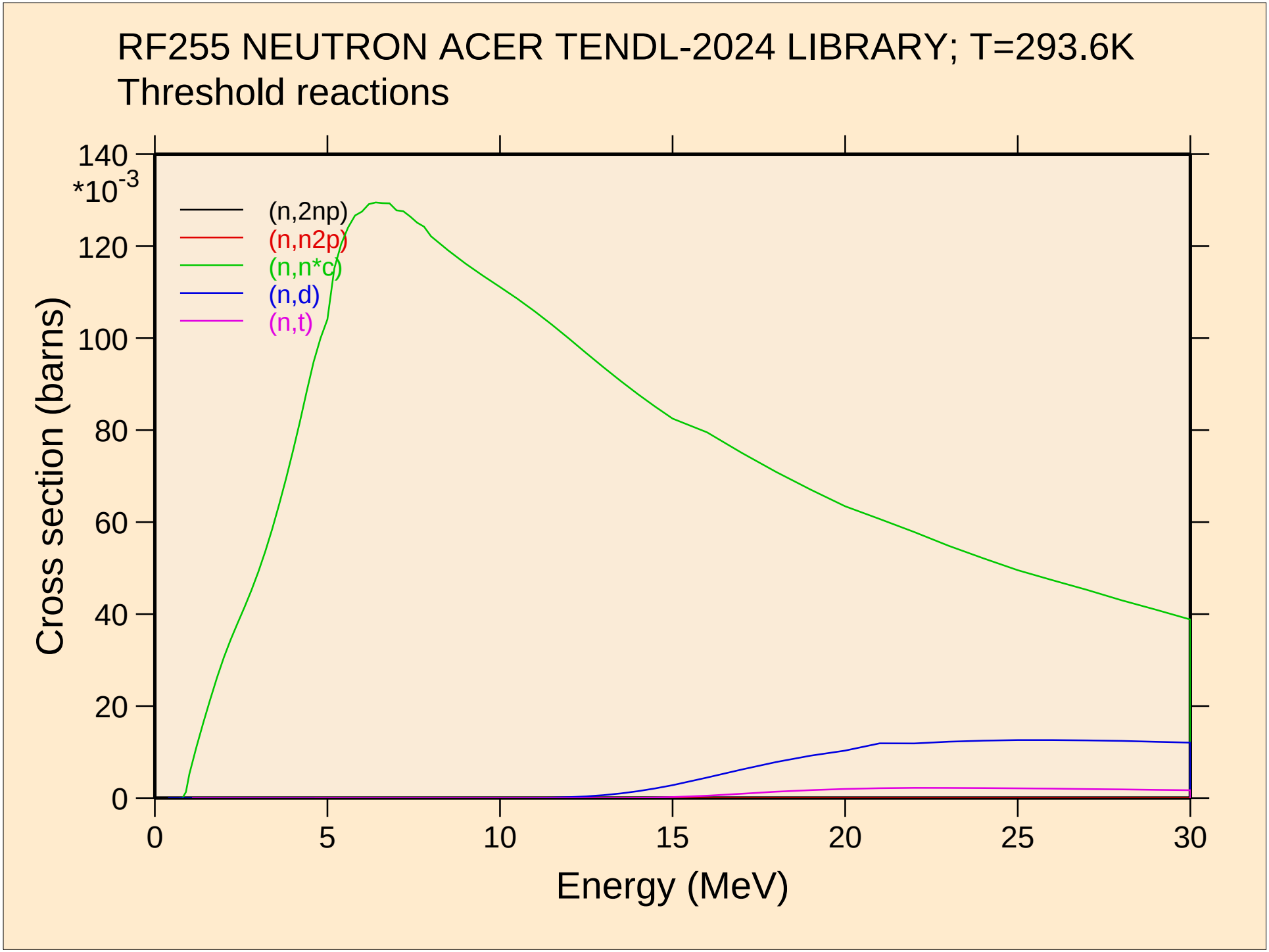

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
*10-3
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

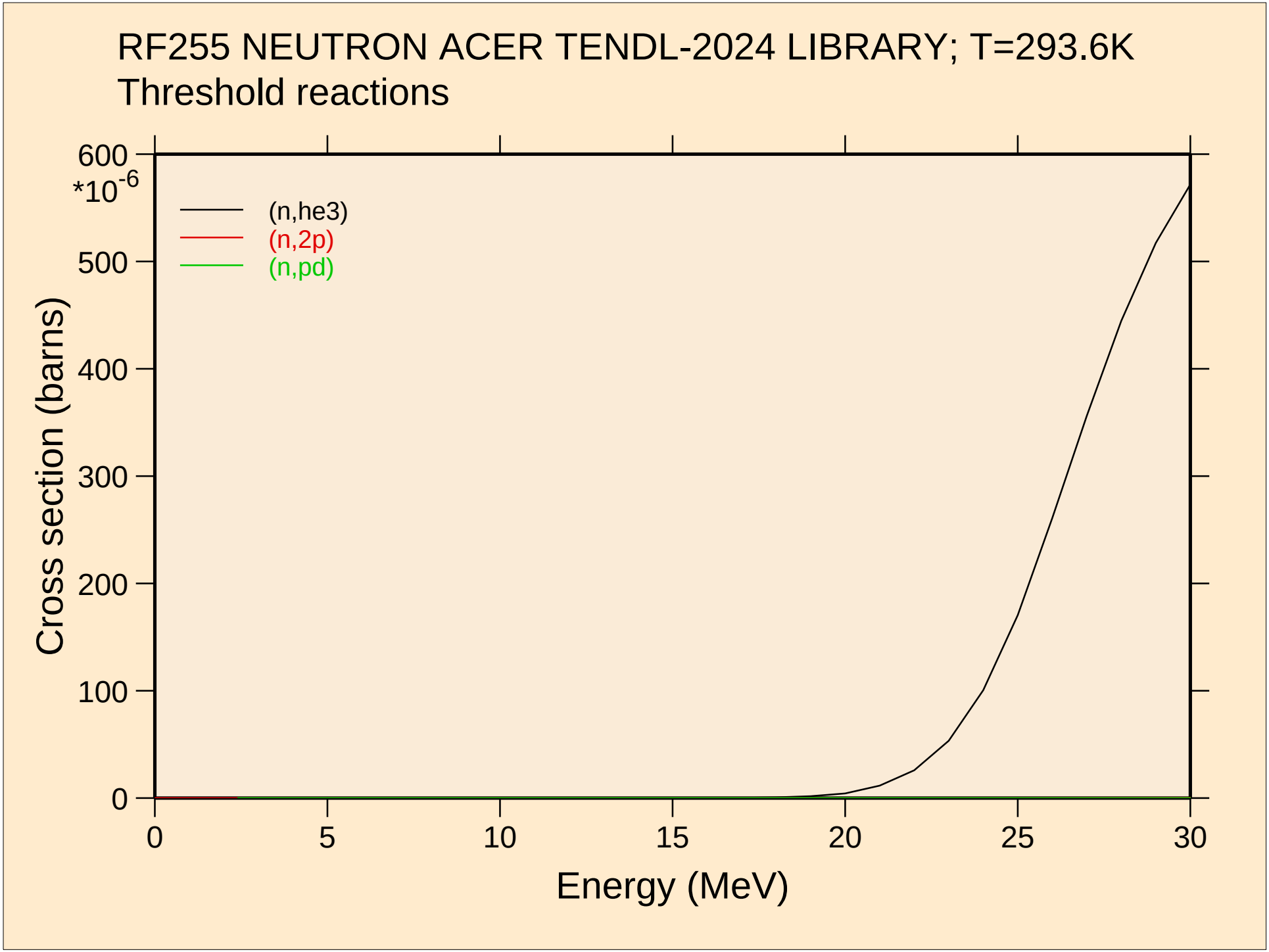

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels
*10-3
Cross section (barns)
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)
0
1
2
3
4
5
6
0
5
10
15
20
25
30

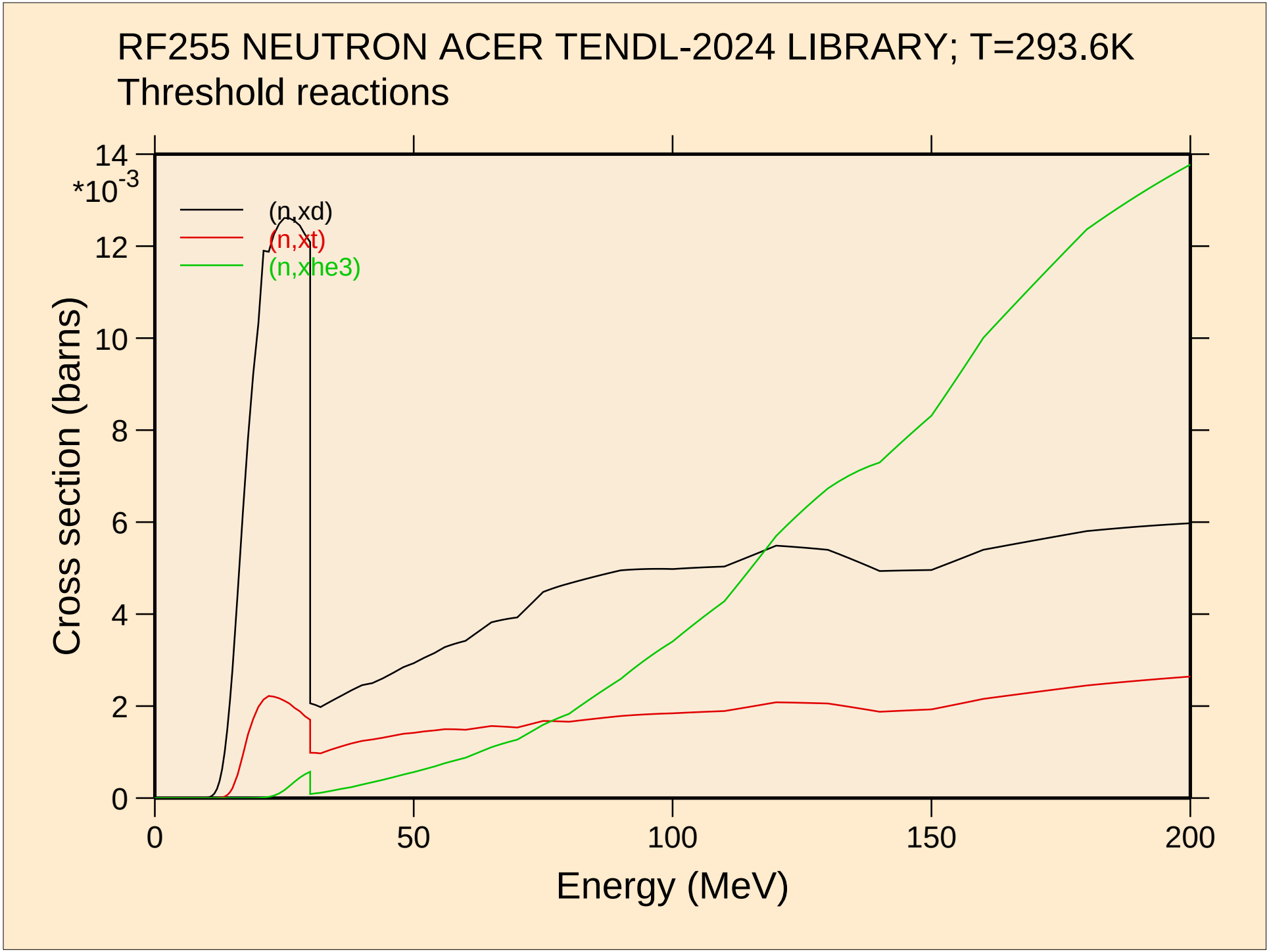

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
*10-3
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*16)
(n,n*17)
(n,n*18)

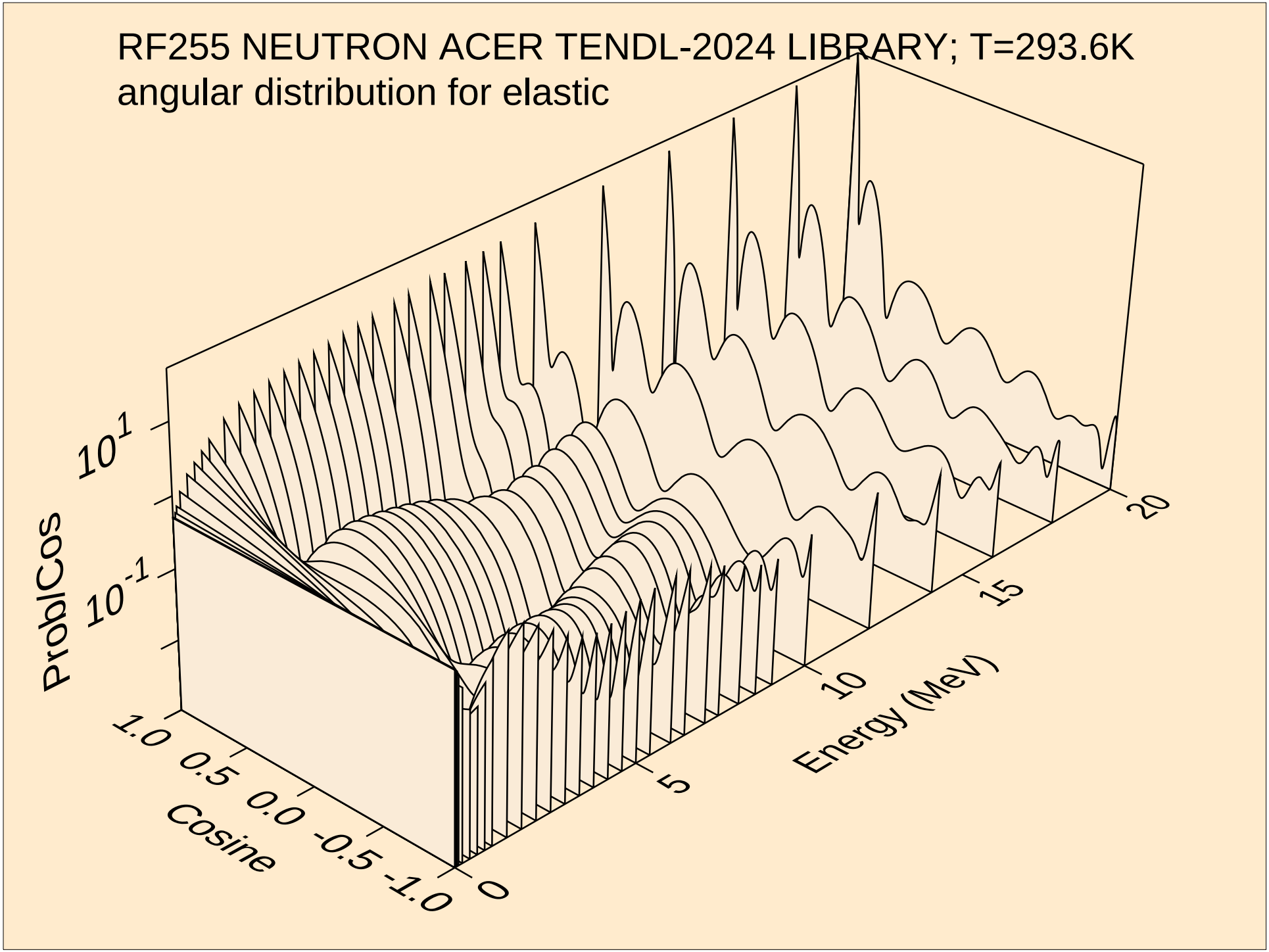

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions
*10-3
(n,x)
(n,2n)
(n,3n)
(n,n*)a
(n,2n)a
Cross section (barns)
Energy (MeV)
0
20
40
60
80
100
120
140
160
180
200
0
50
100
150
200

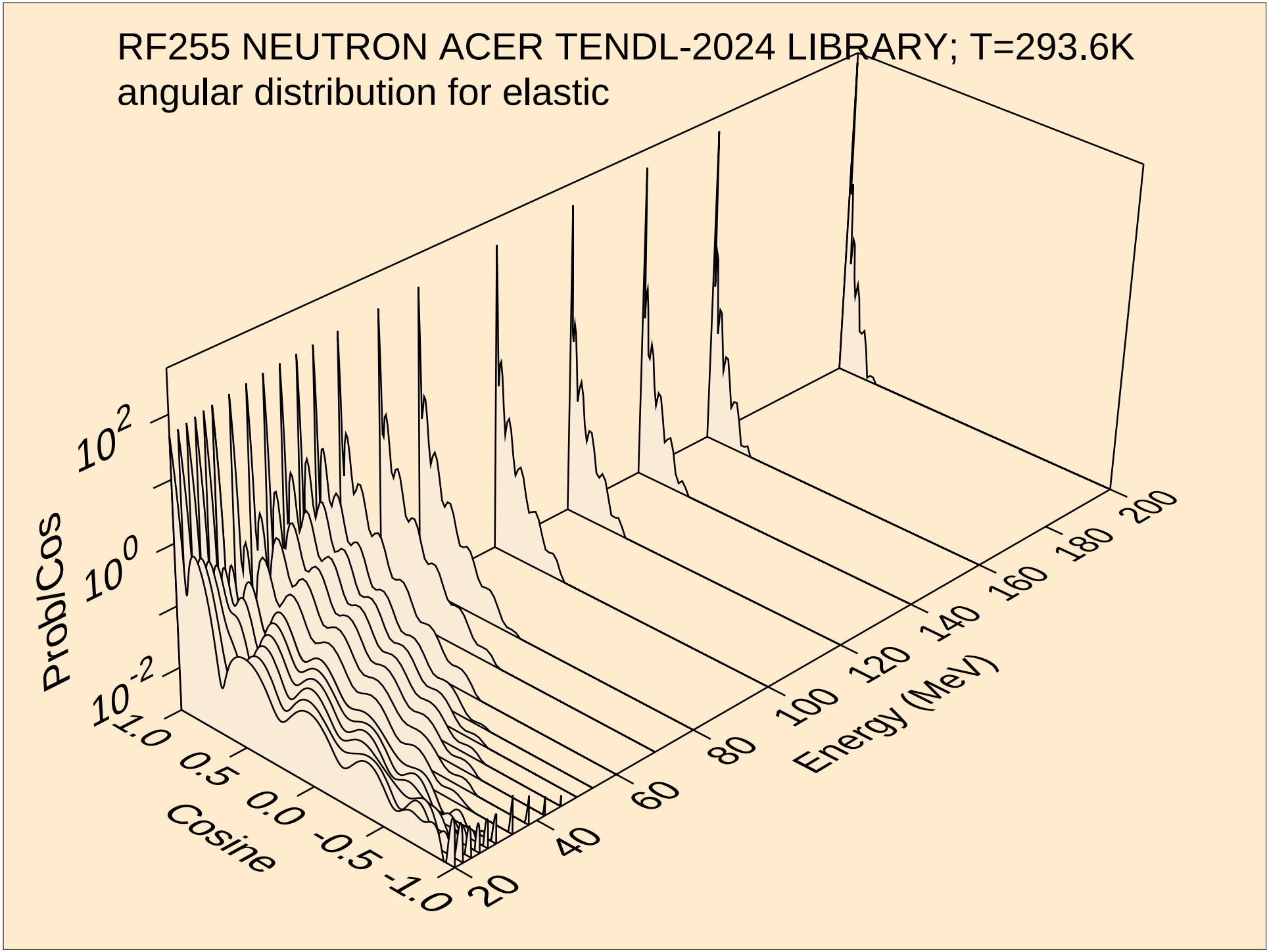

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions
*10-3
Cross section (barns)
Energy (MeV)
(n,3n)a
(n,n*)p
(n,n*)d
(n,n*)t
(n,4n)
0
2
4
6
8
10
12
14
16
18
0
5
10
15
20
25
30

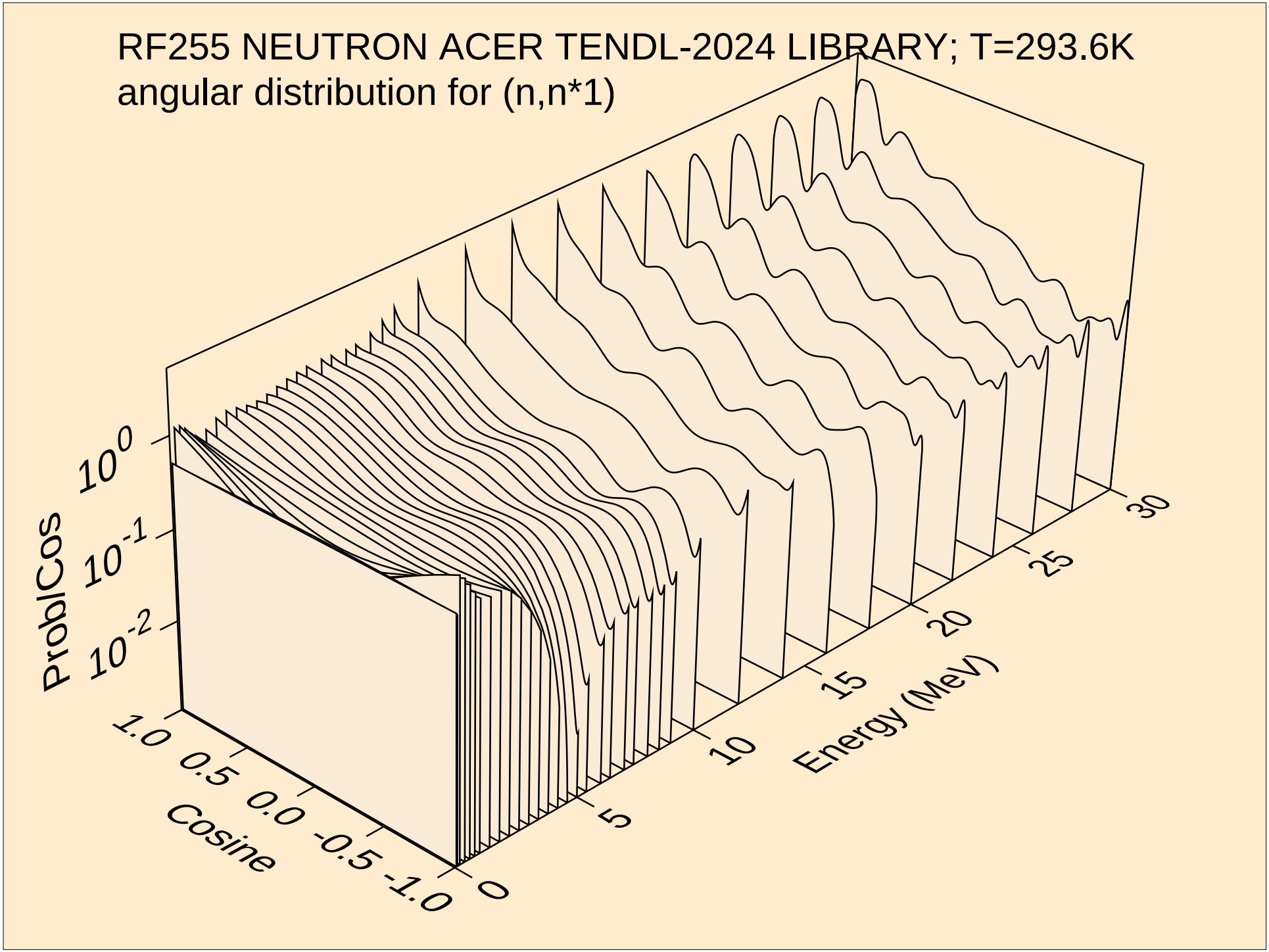

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions
140
*10-3
120
100
80
60
40
20
0
Cross section (barns)
(n,2np)
(n,n2p)
(n,n*c)
(n,d)
(n,t)
0
5
10
15
20
25
30
Energy (MeV)

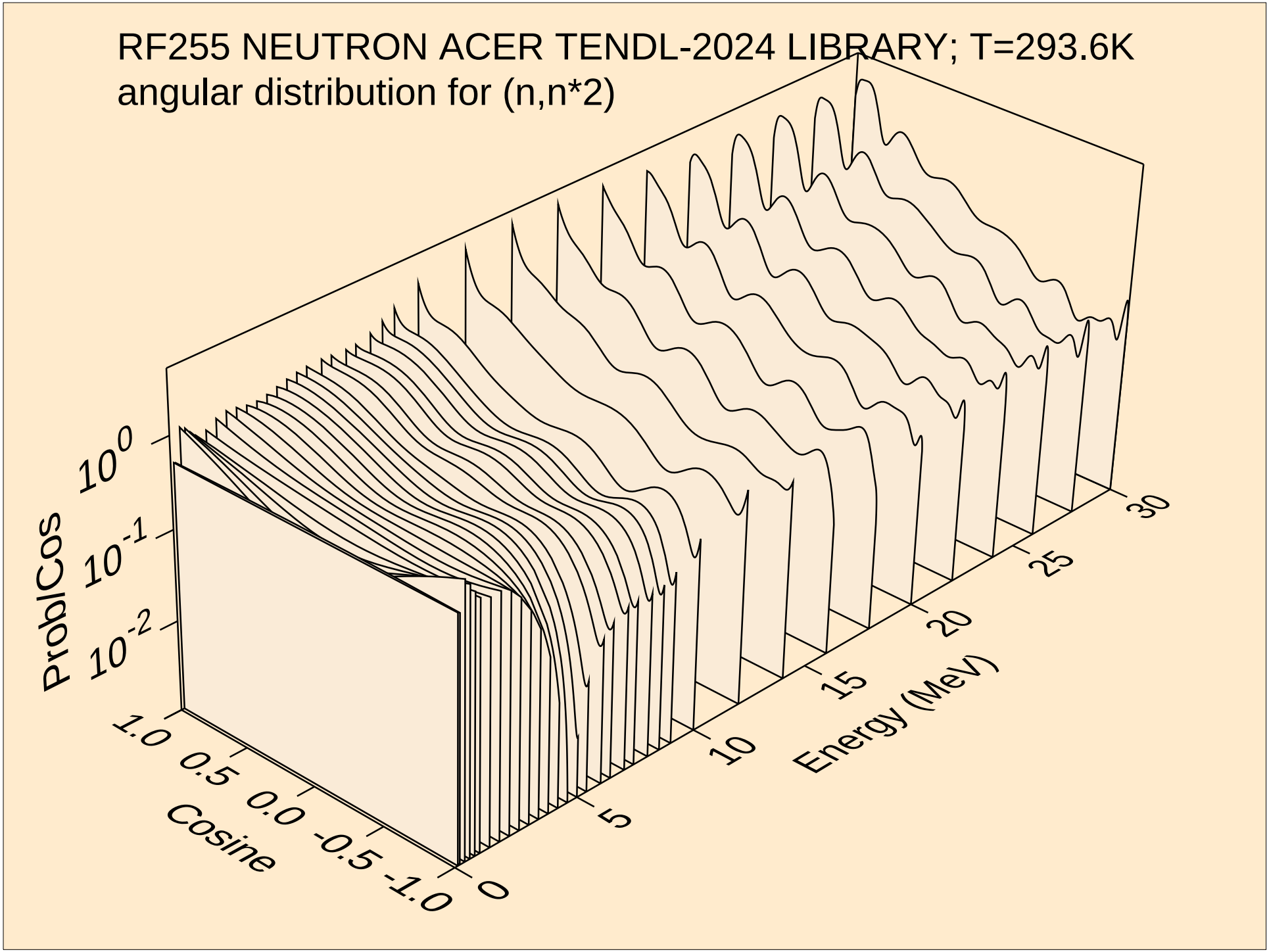

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions
600
*10-6
500
400
300
200
100
0
(n,he3)
(n,2p)
(n,pd)
Cross section (barns)
0
5
10
15
20
25
30
Energy (MeV)

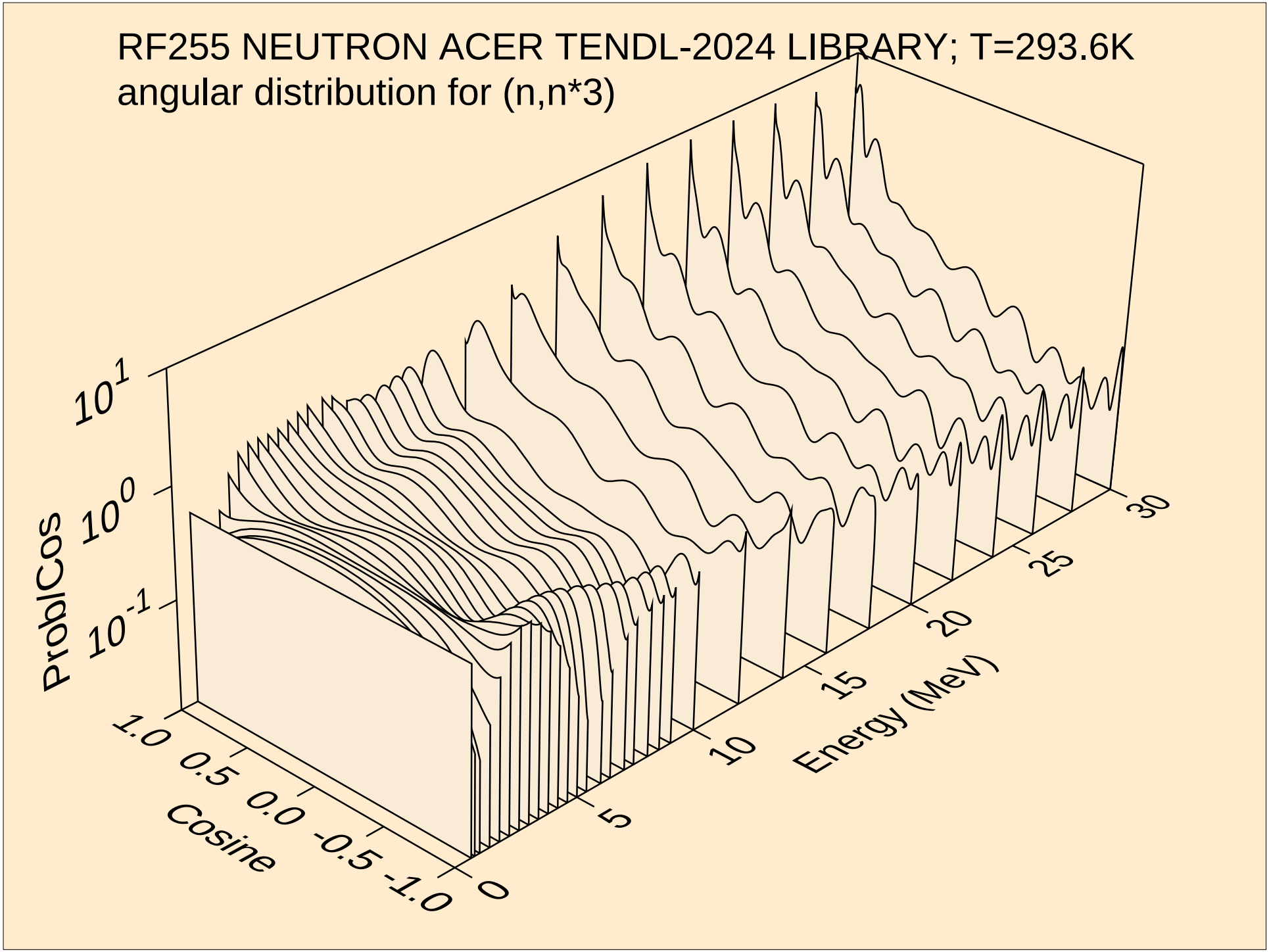

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions
*10-3
14
12
10
8
6
4
2
0
(n,xd)
(n,xt)
(n,xhe3)
Cross section (barns)
0
50
100
150
200
Energy (MeV)

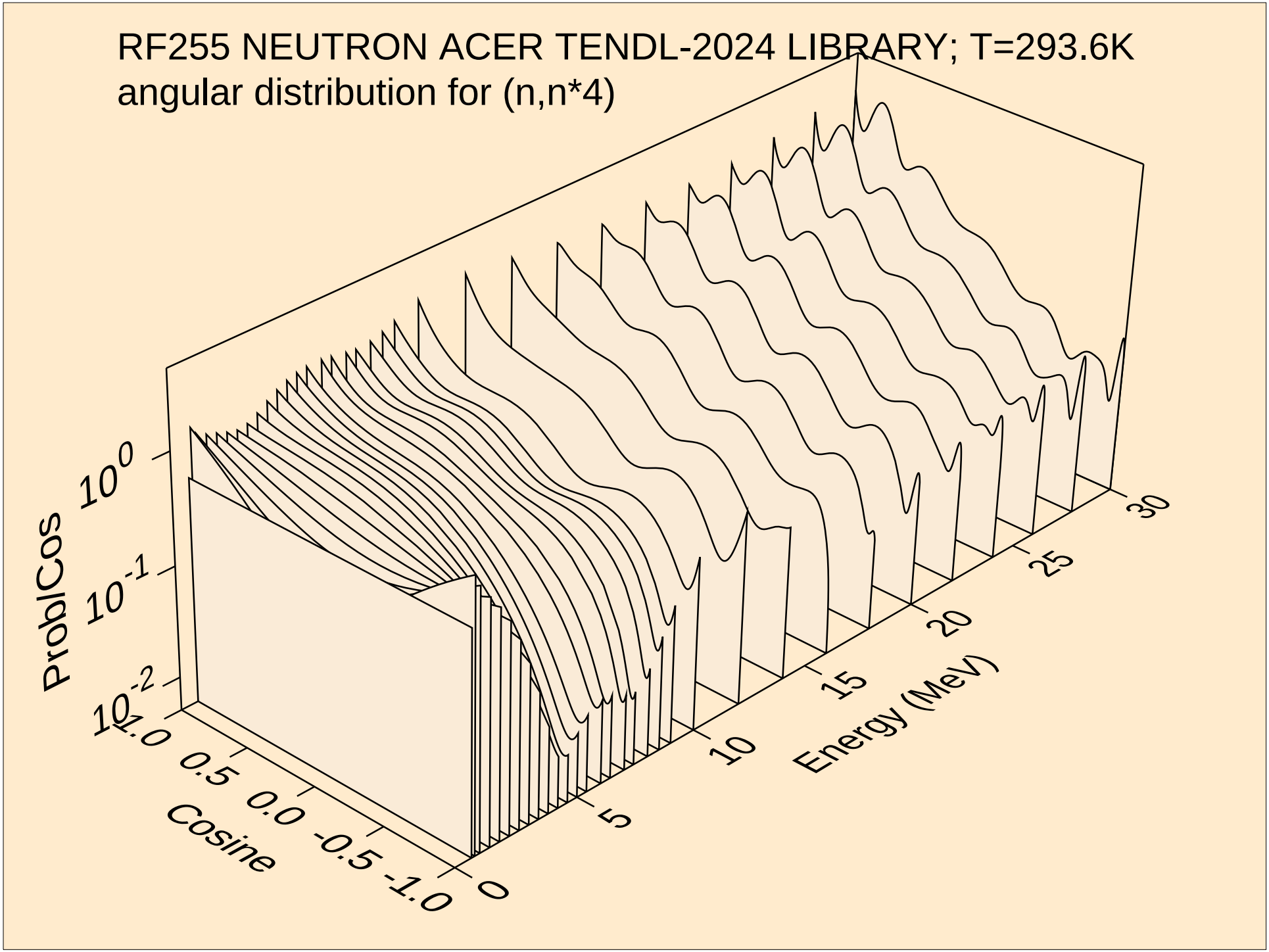

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic
ProbICos
10^1
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)

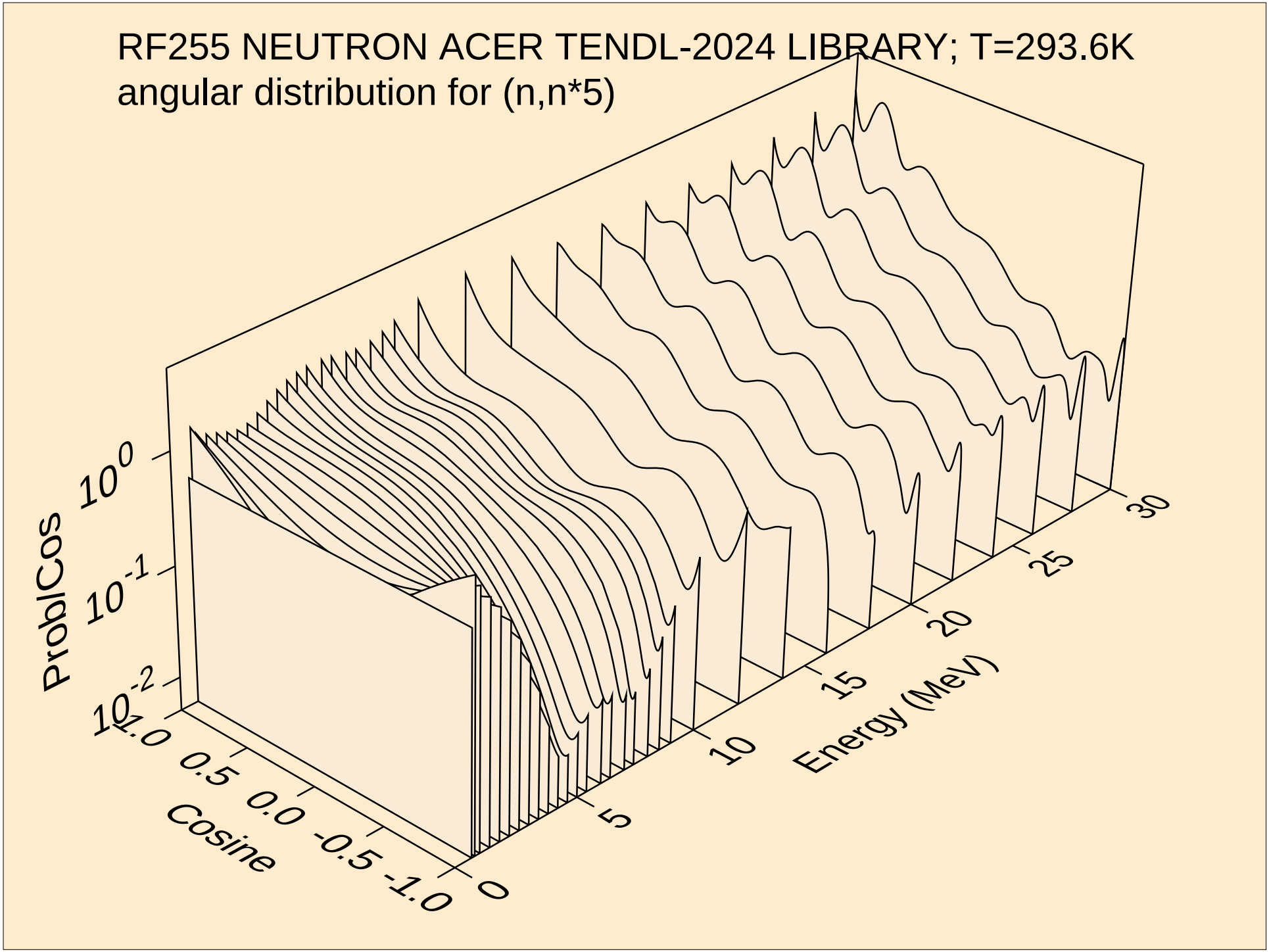

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic
ProblCos
10^2
10^0
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

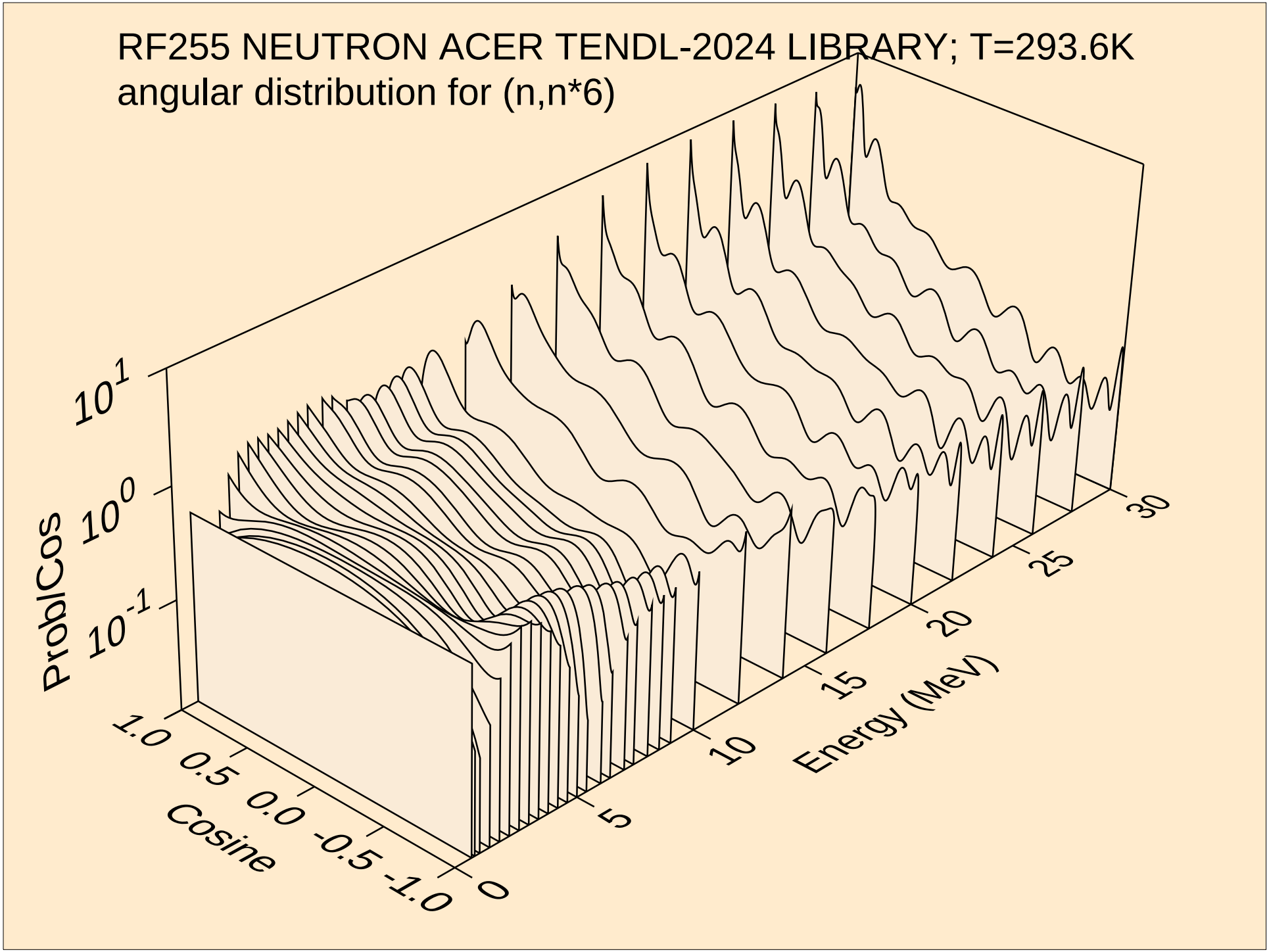

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)
ProbCos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

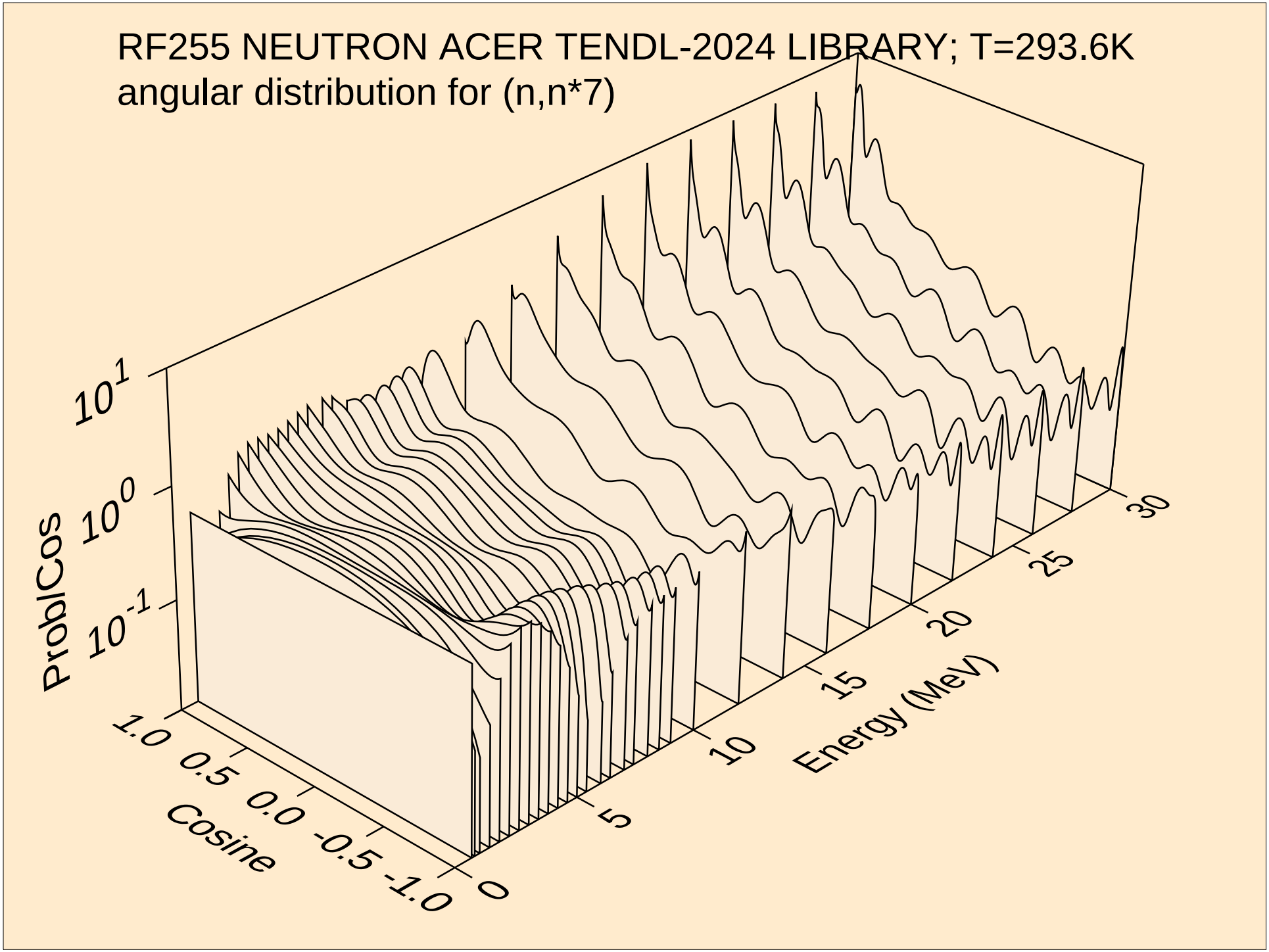

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*2)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

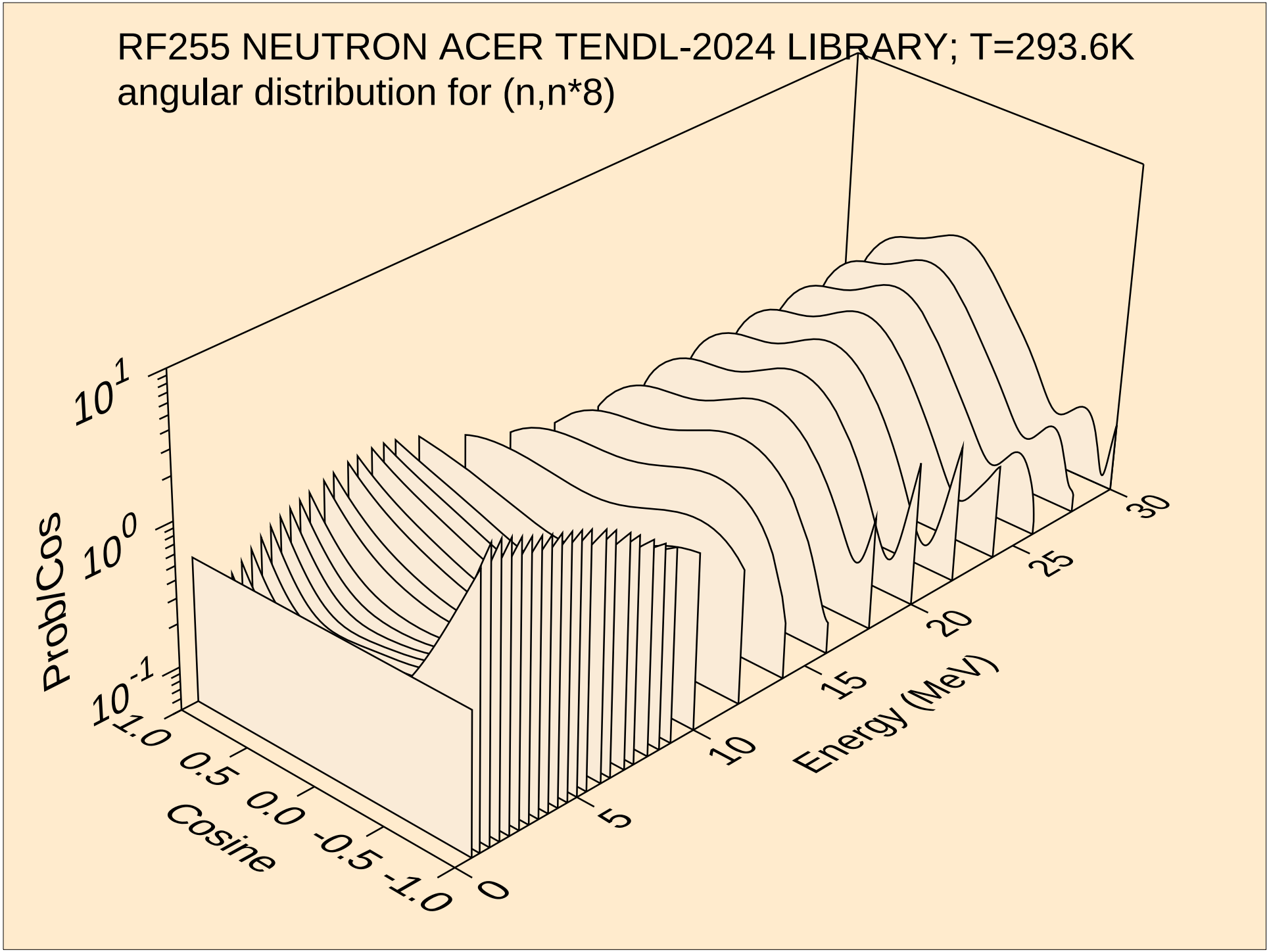

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*3)
Prob\Cos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

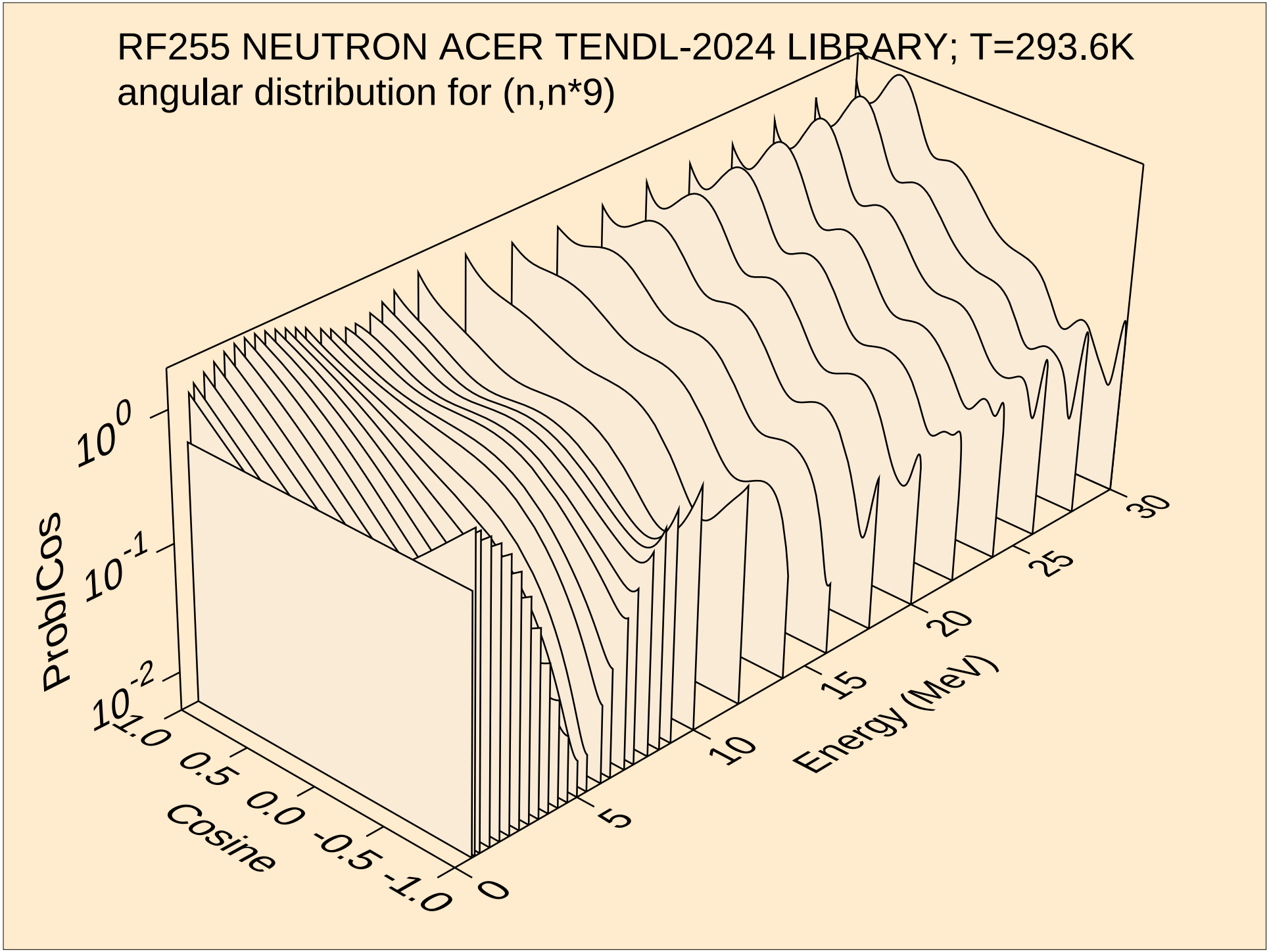

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*4)
Prob\Cos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

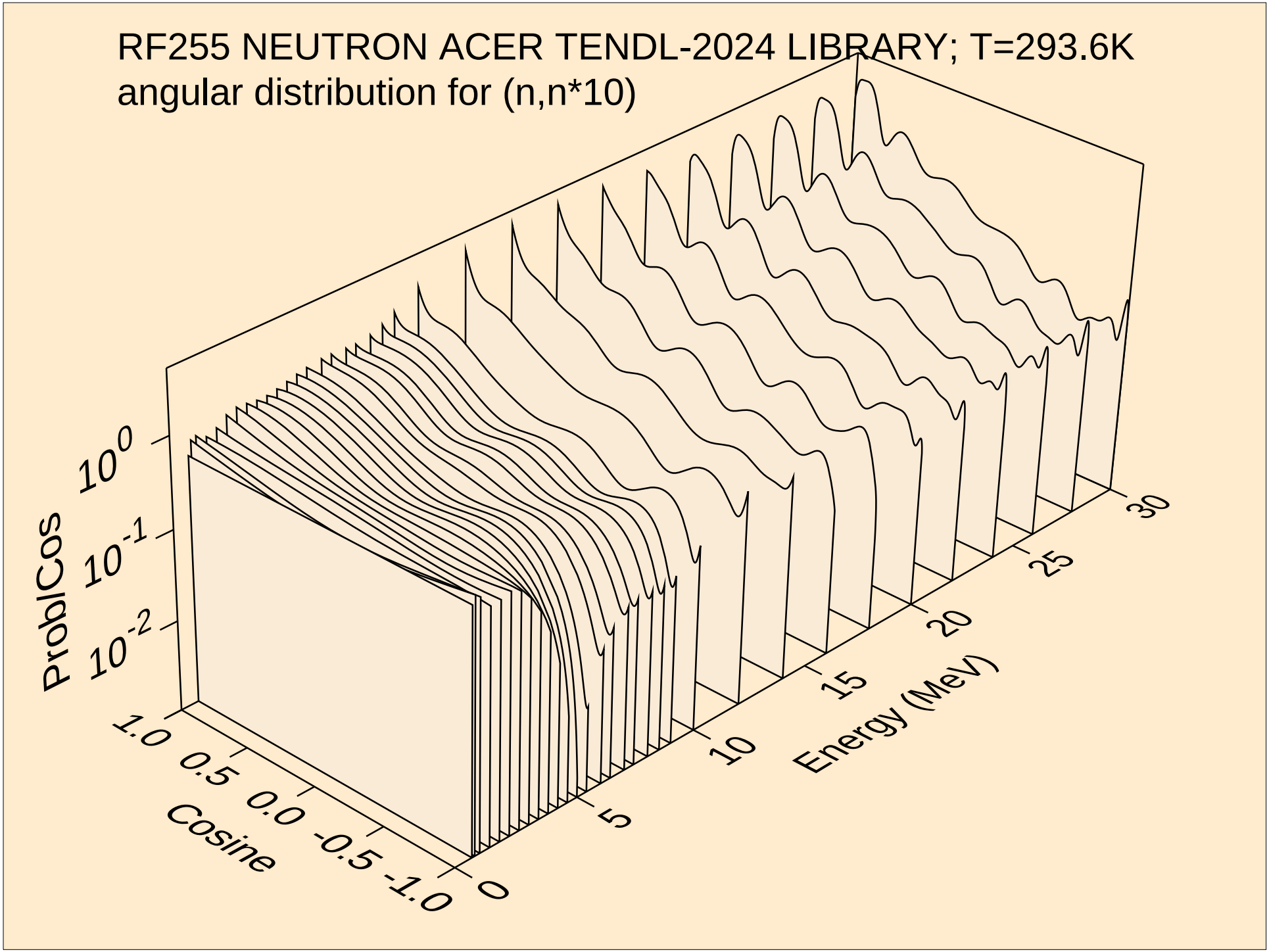

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*5)
Prob\Cos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

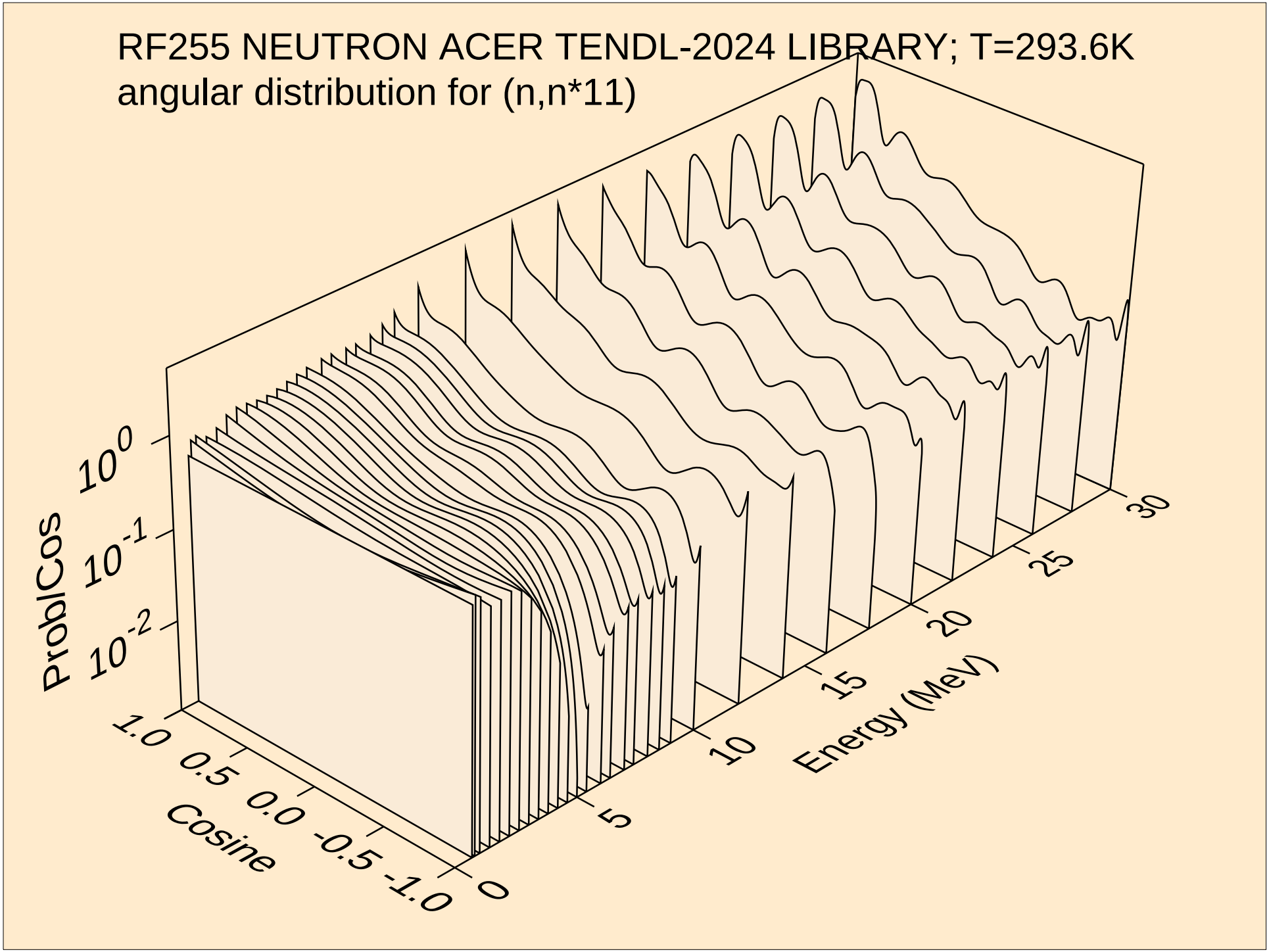

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*6)
Prob\Cos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

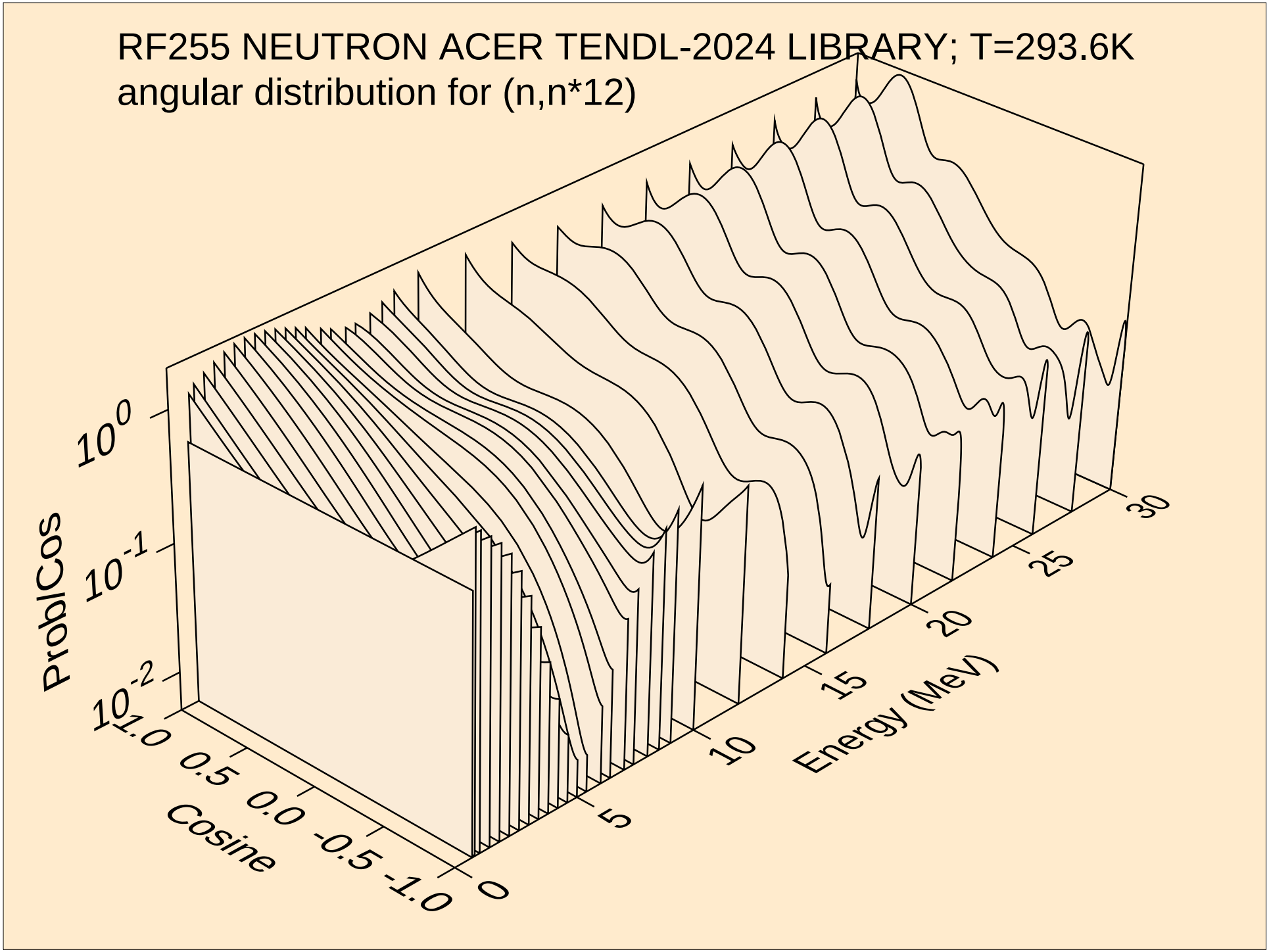

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*7)
Prob\Cos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

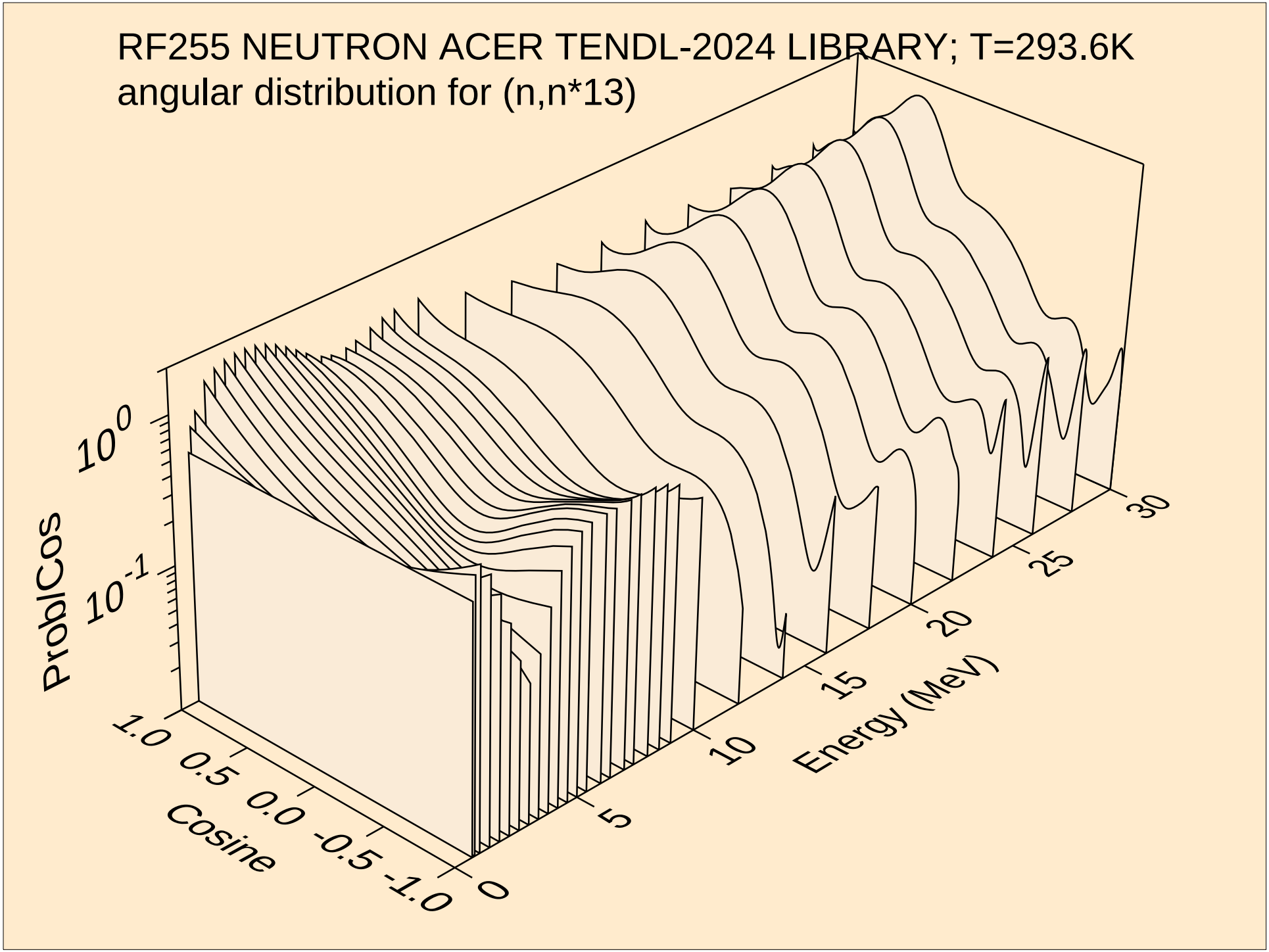

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*8)
Prob\Cos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

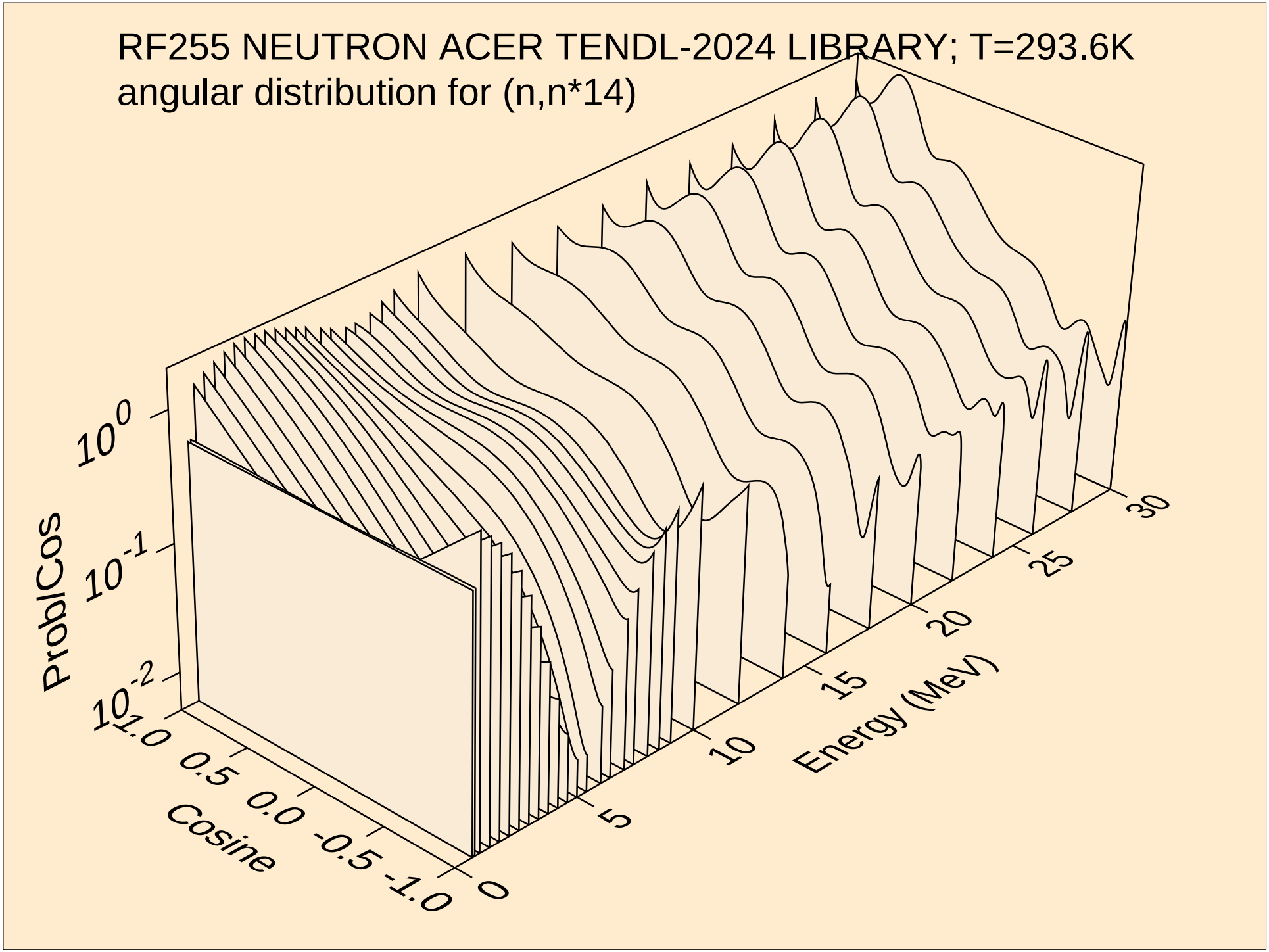

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*9)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

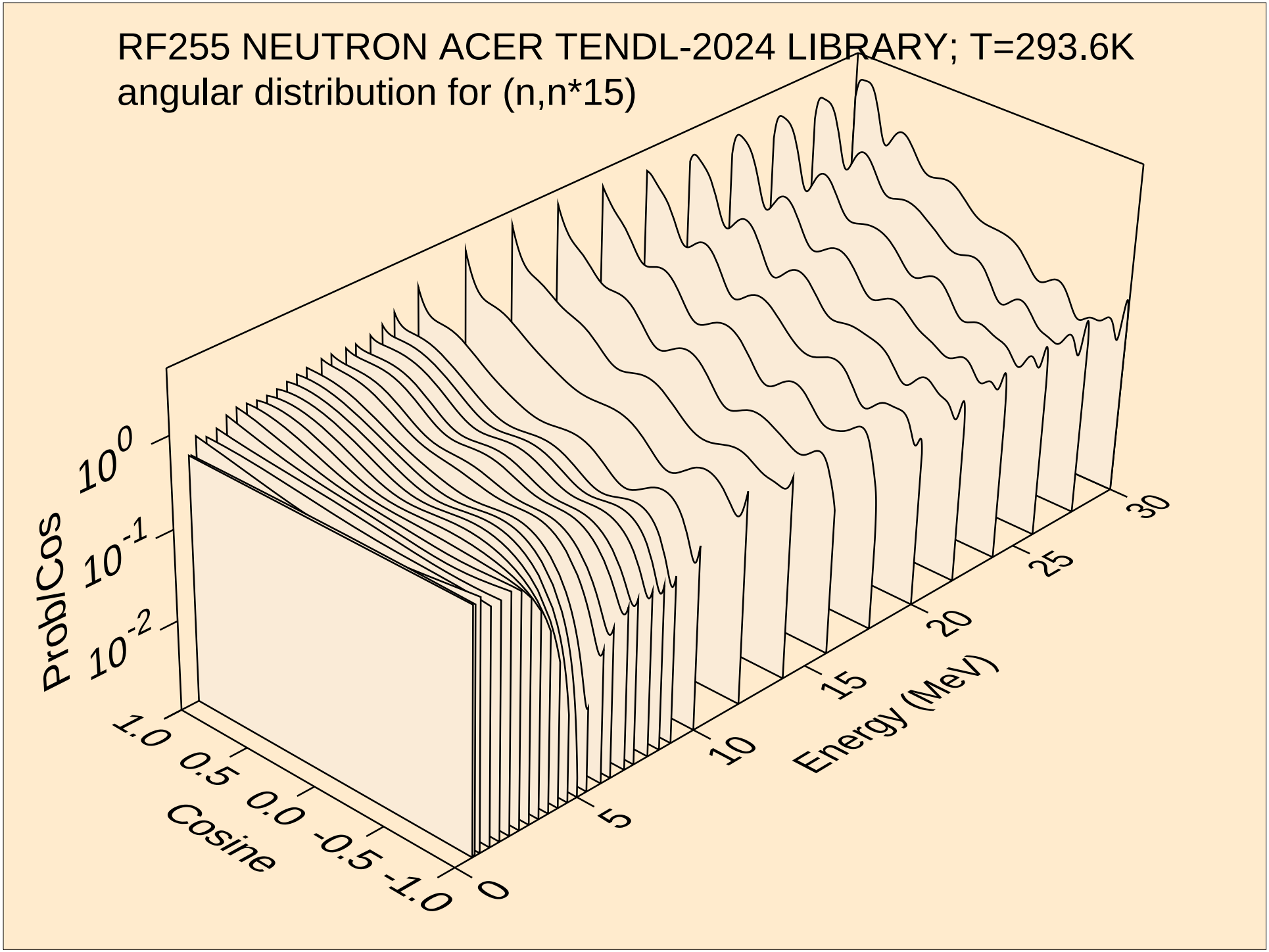

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*10)
ProbCos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

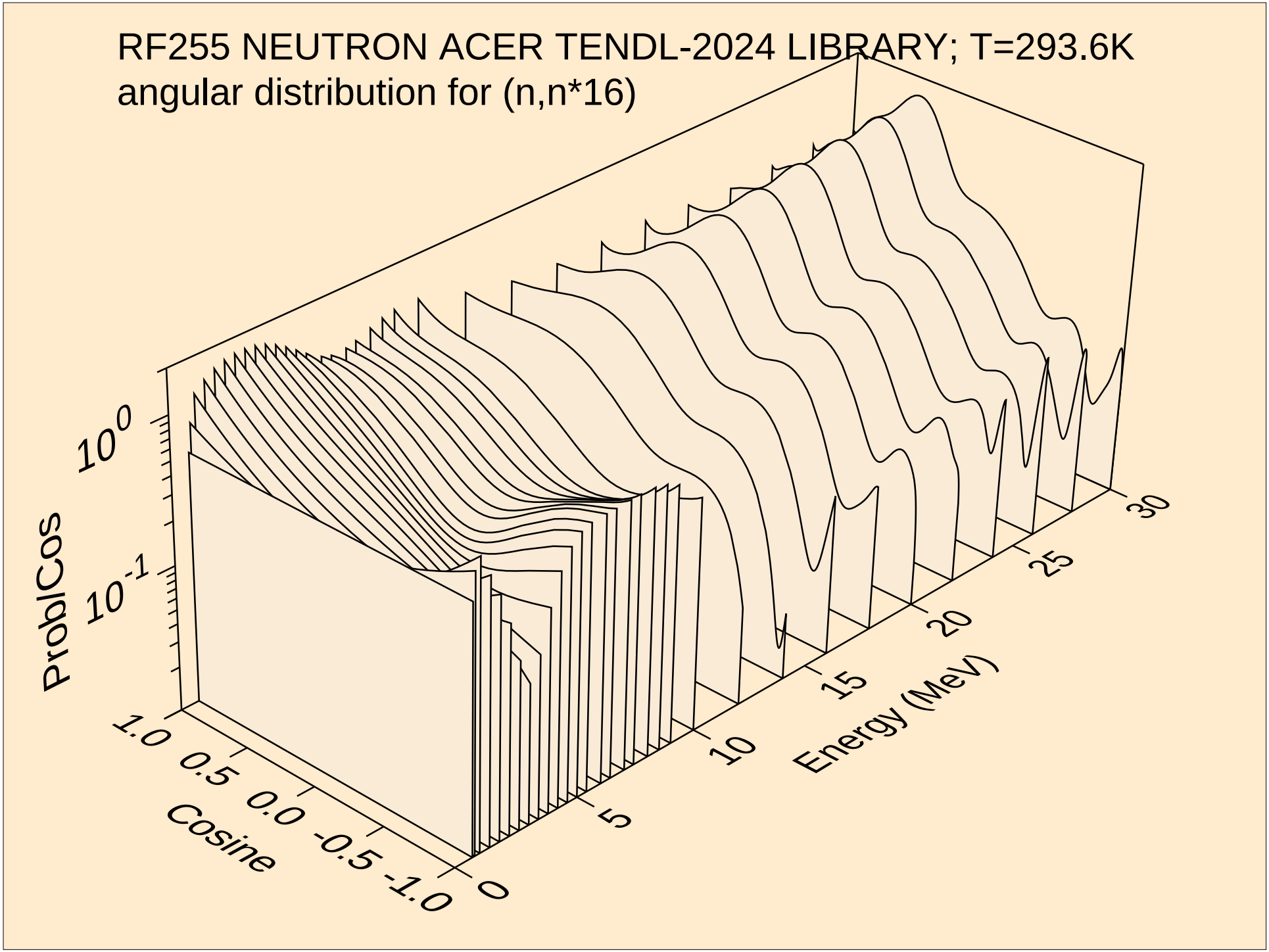

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*11)
ProbCos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

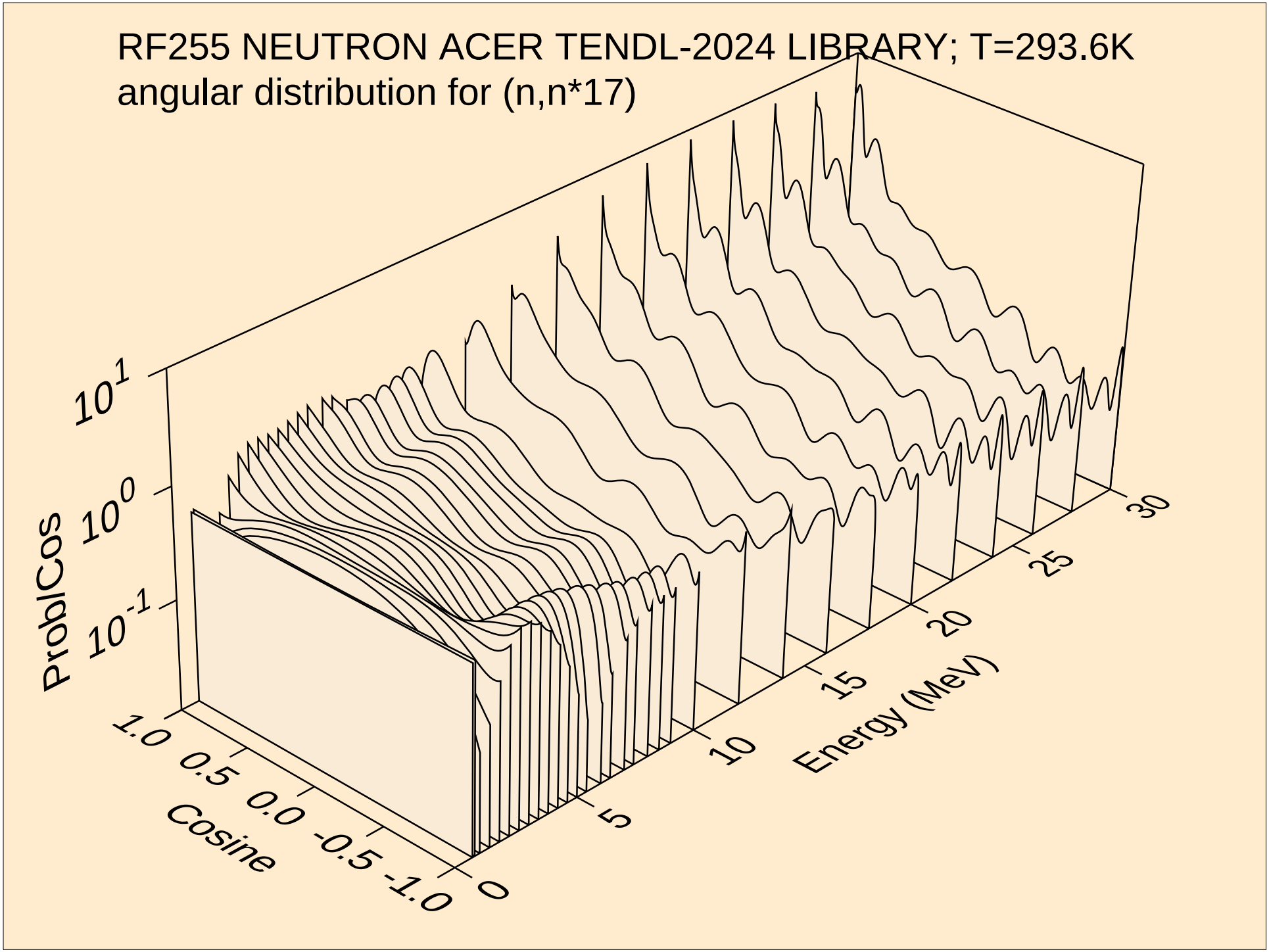

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*12)
Prob\Cos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

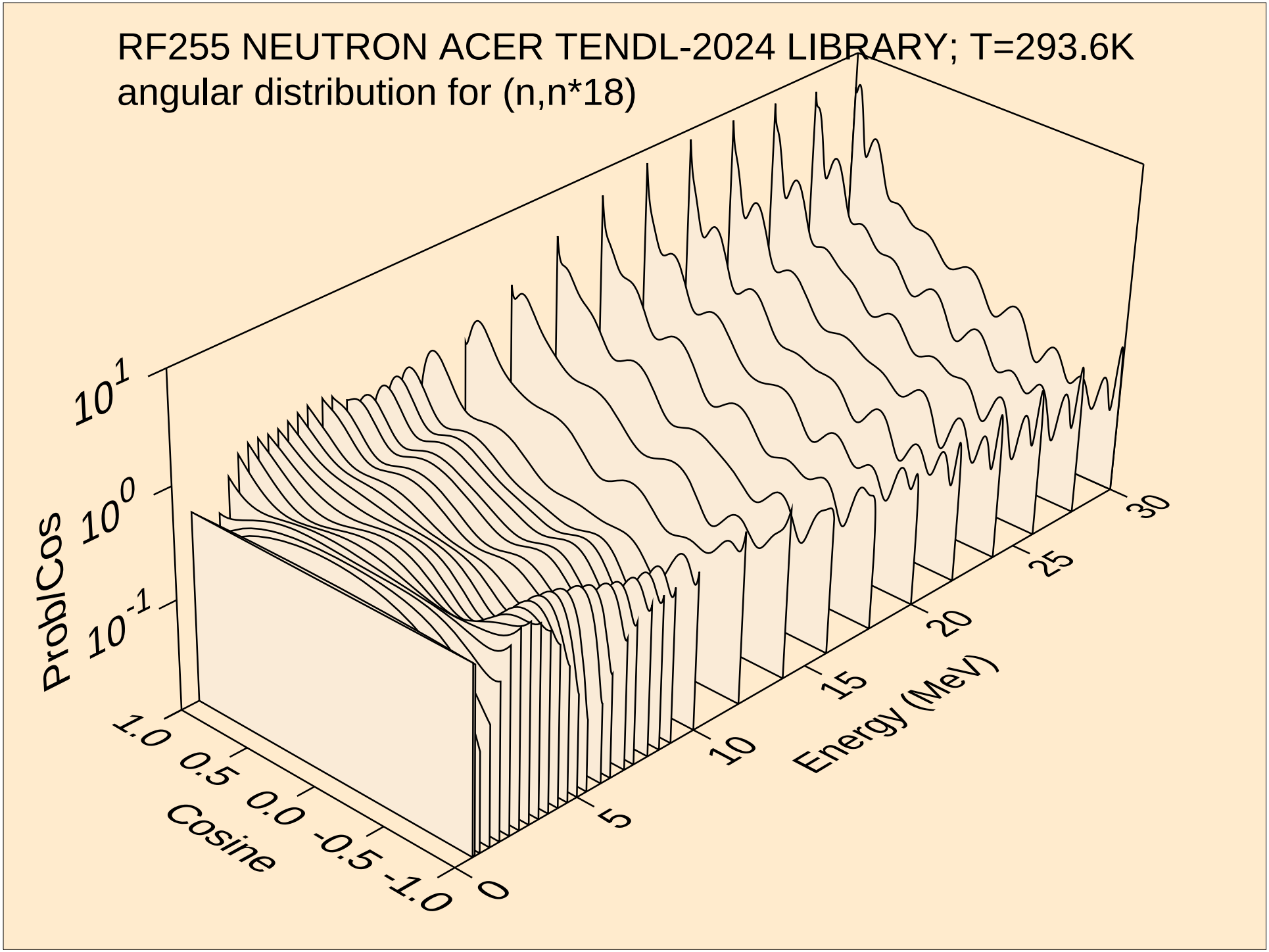

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*13)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

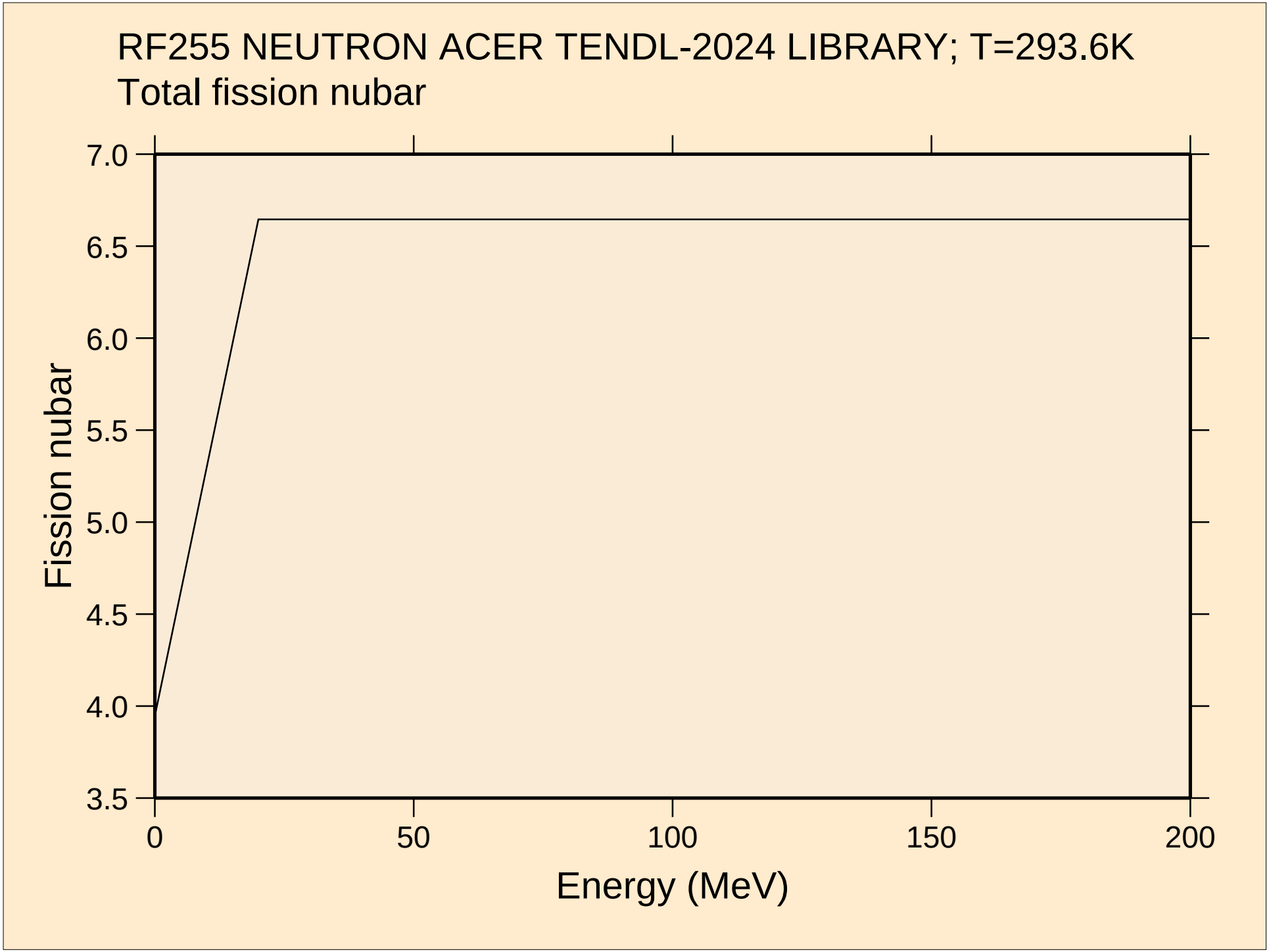

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*14)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

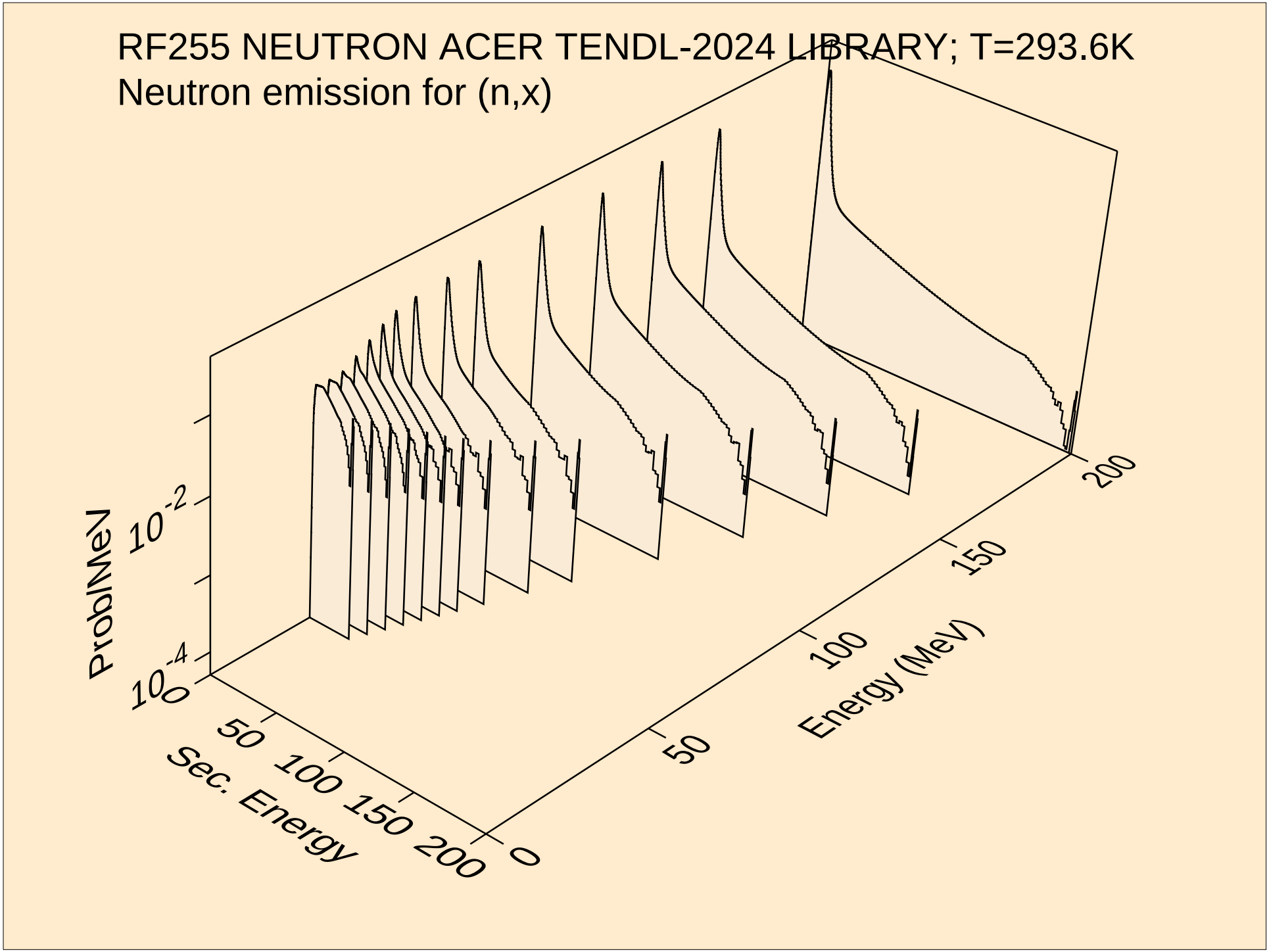

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*15)
Prob\Cos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

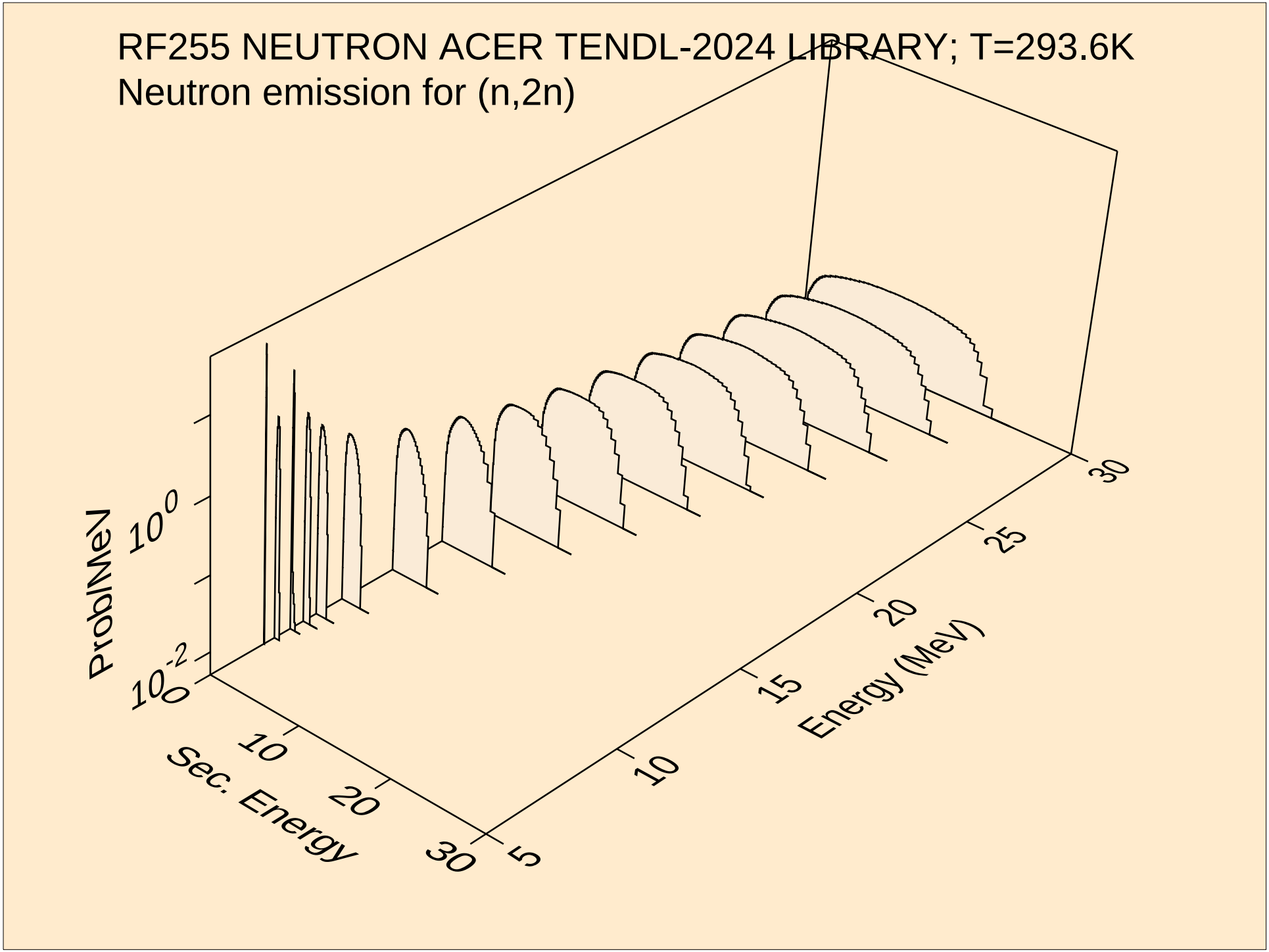

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*16)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

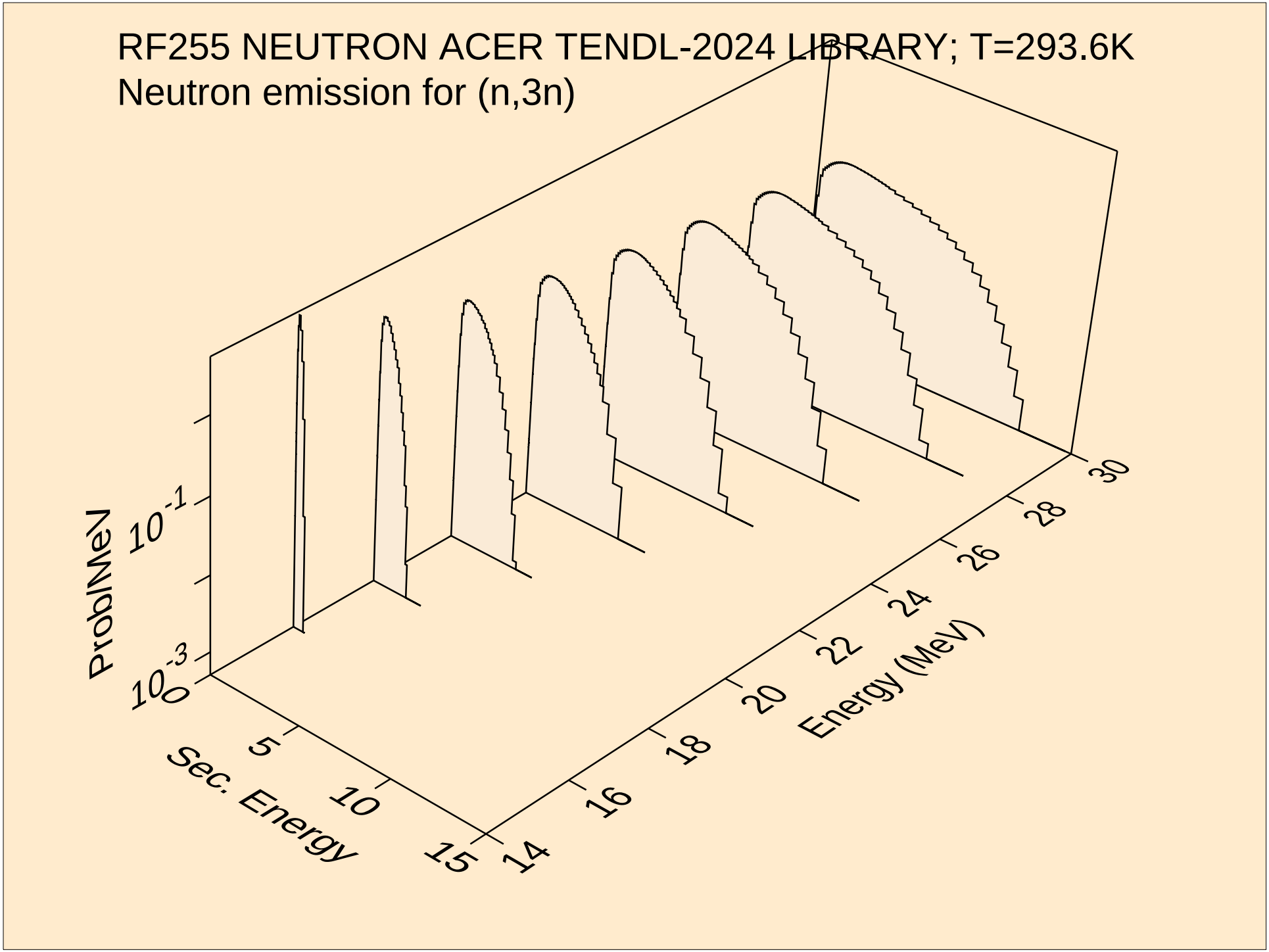

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*17)
ProbCos
10^{1}
10^{0}
10^{-1}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
5
10
15
20
25
30

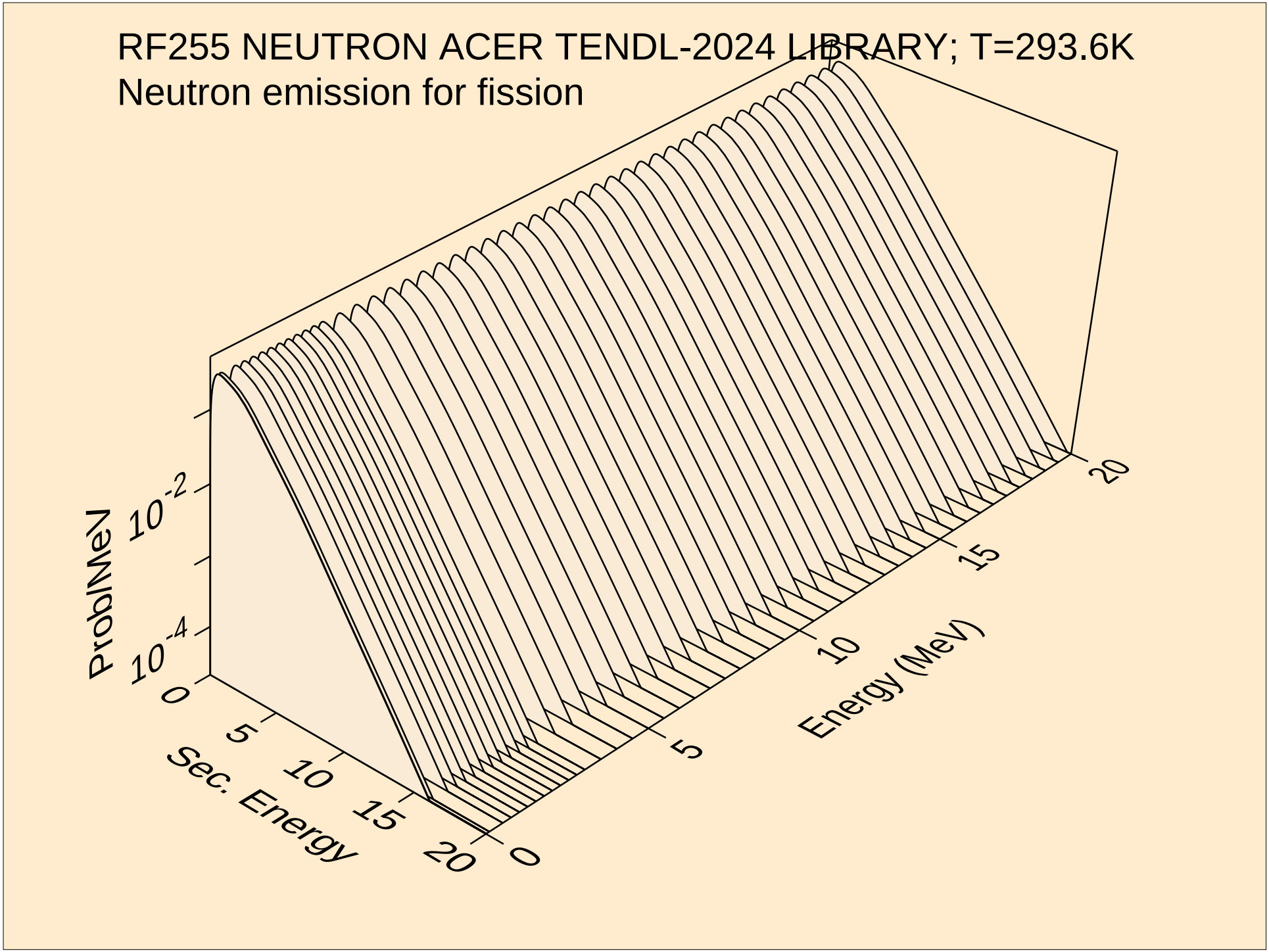

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*18)
ProbICos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

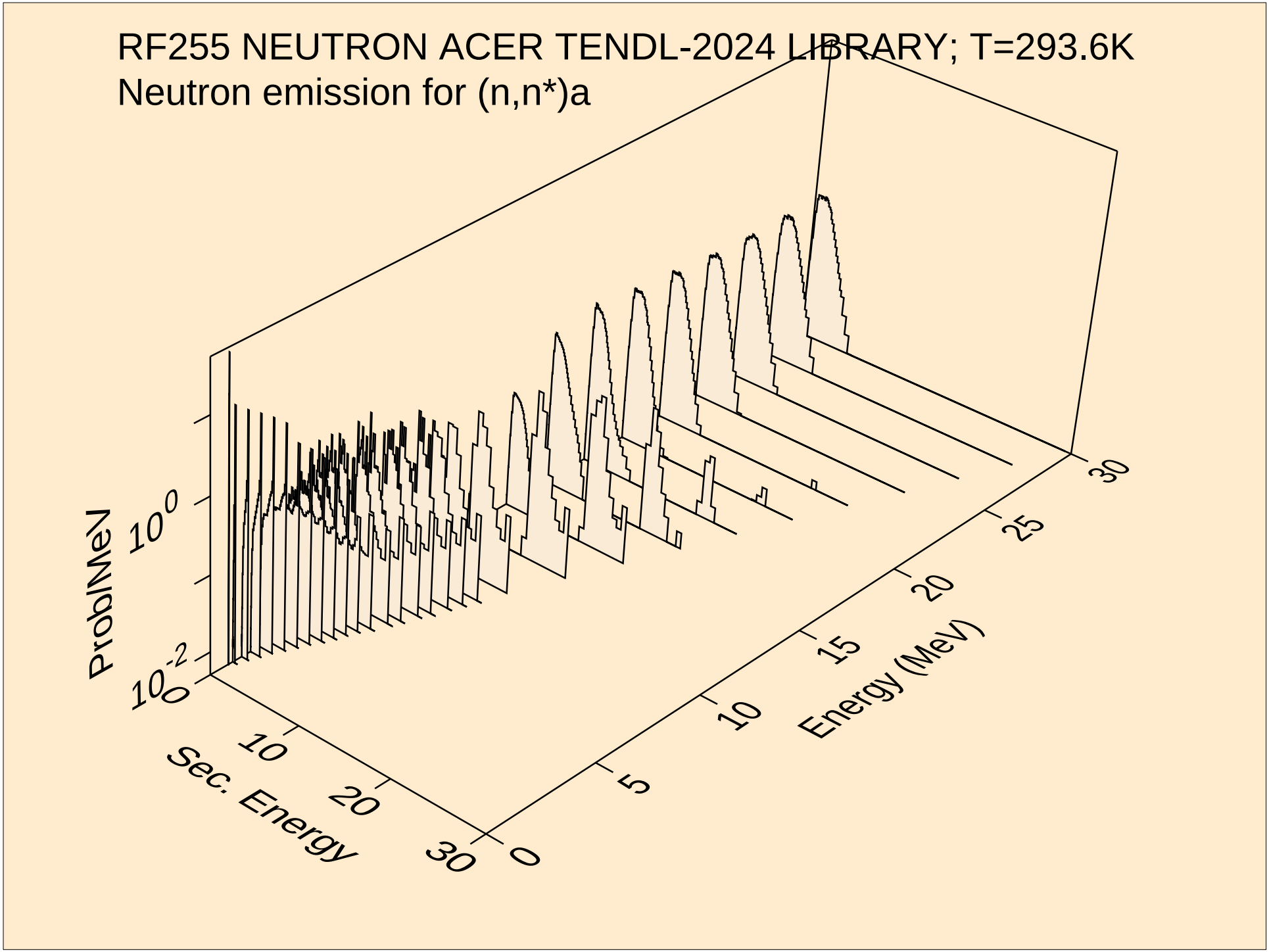

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Total fission nubar
Fission nubar
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
0
50
100
150
200
Energy (MeV)

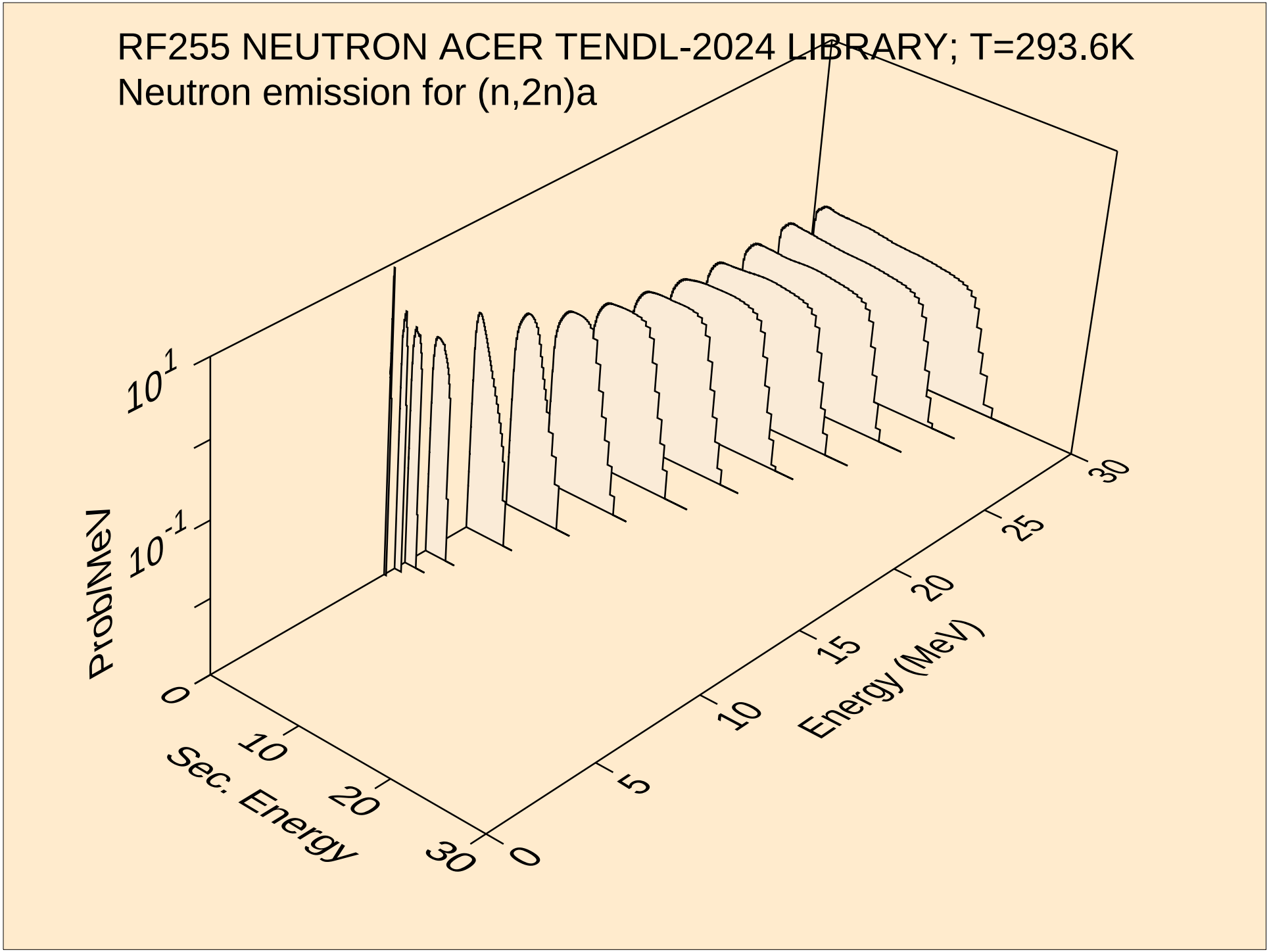

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)
Prob/MeV
10-2
10-4
0
50
100
150
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

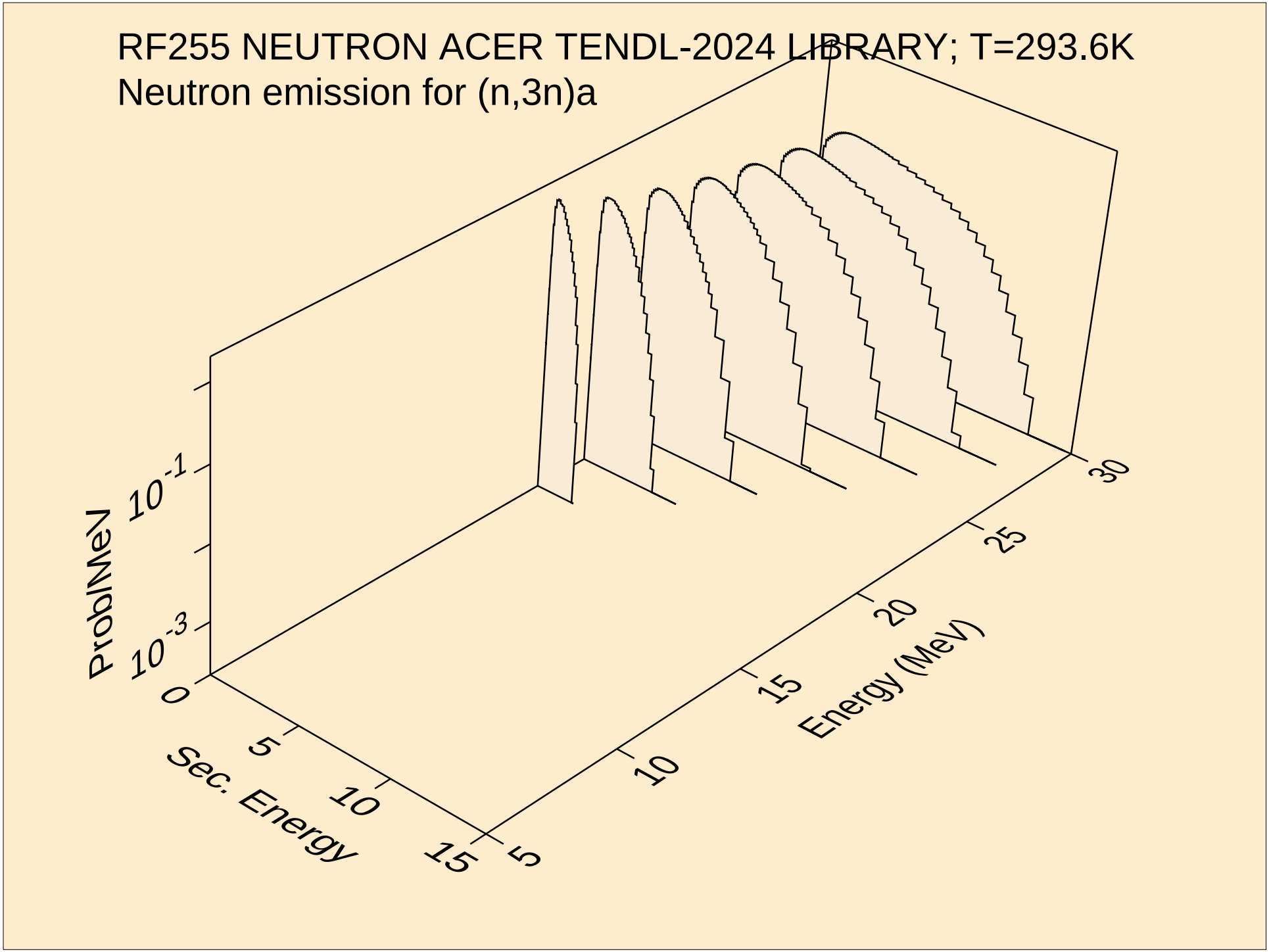

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)
Prob/MeV
10^0
10^-2
0
10
20
30
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

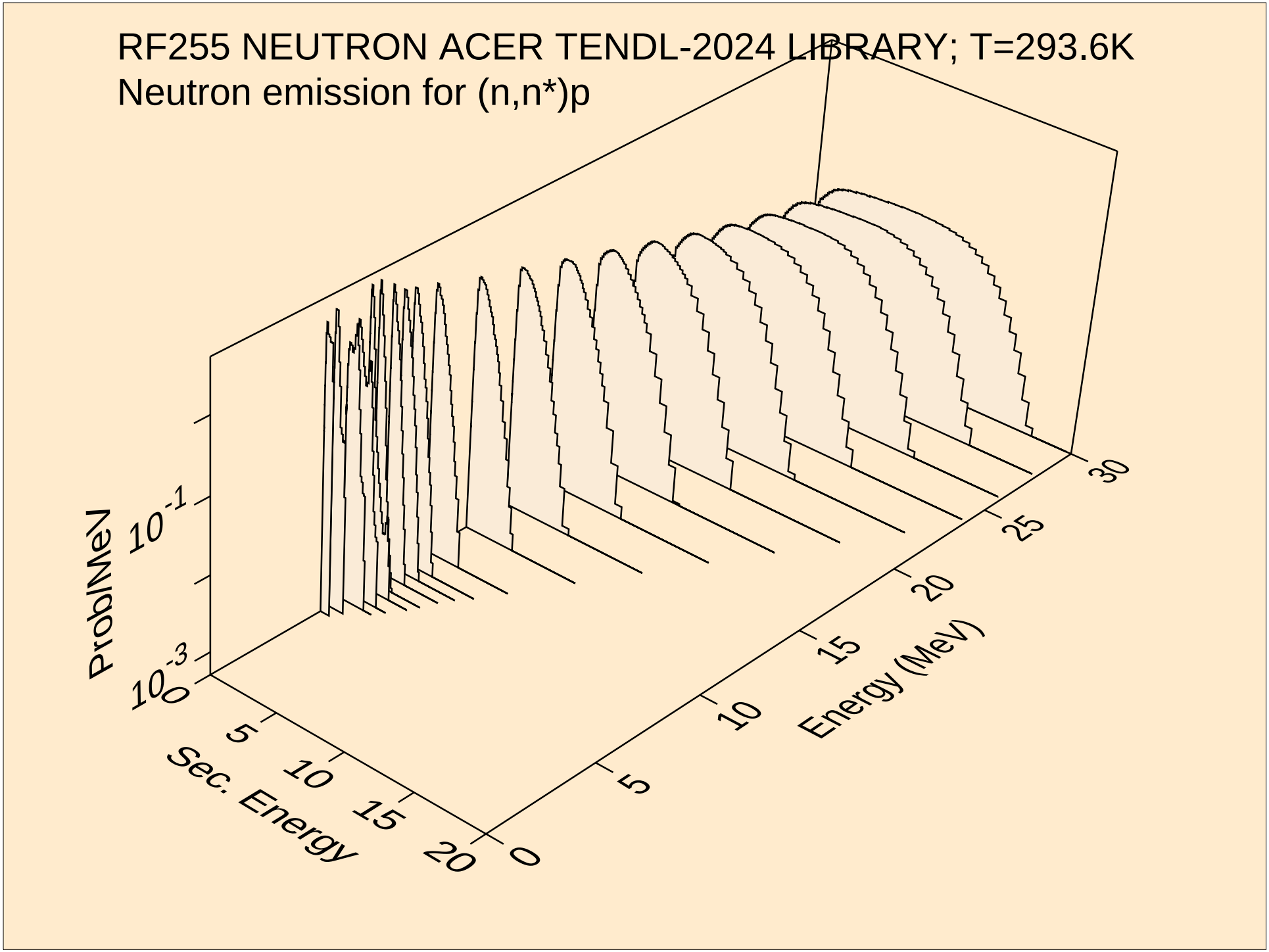

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0
5
10
15
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

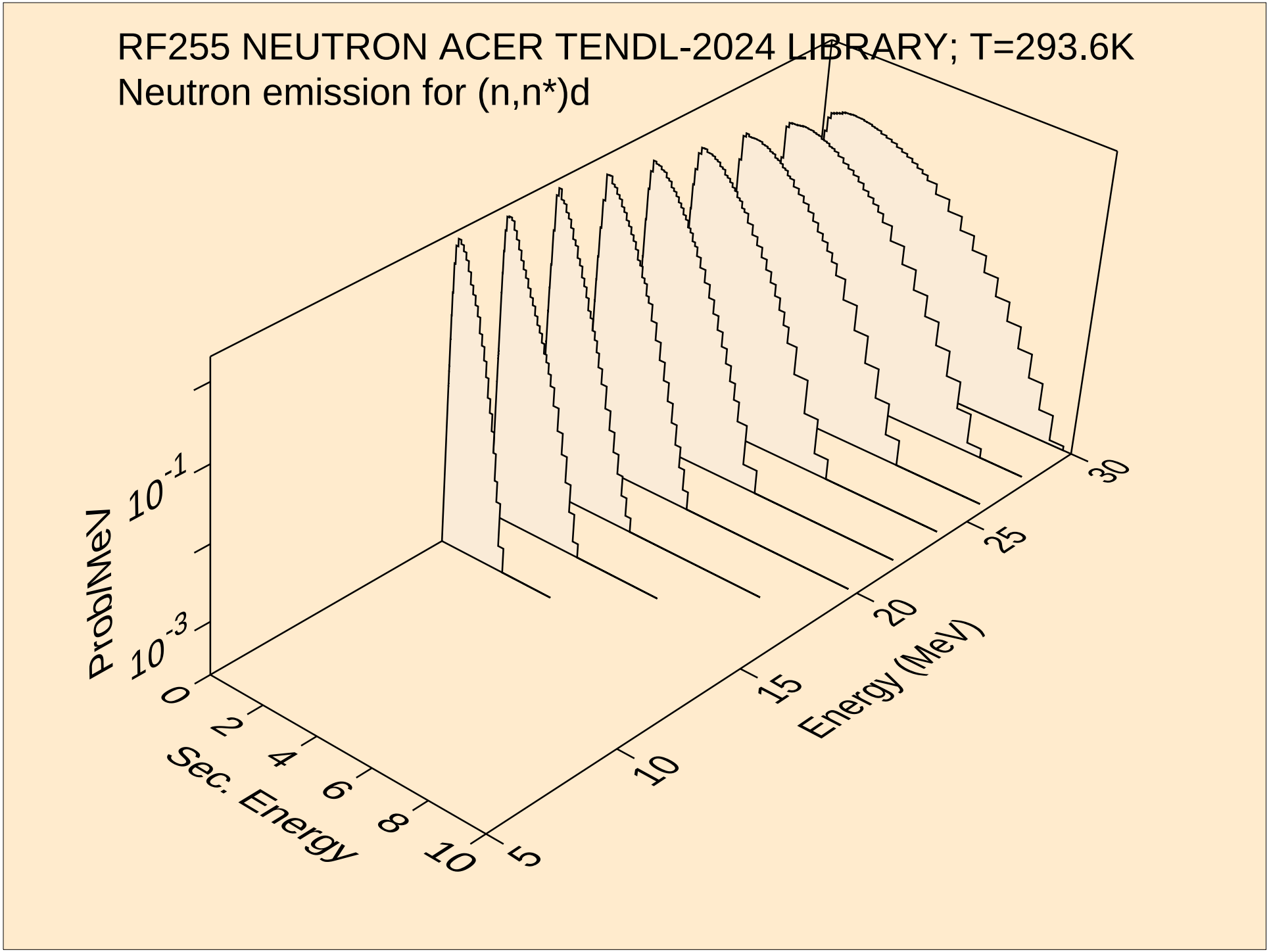

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for fission
Prob/MeV
10-2
10-4
0
5
10
15
20
Sec. Energy
0
5
10
15
20
Energy (MeV)

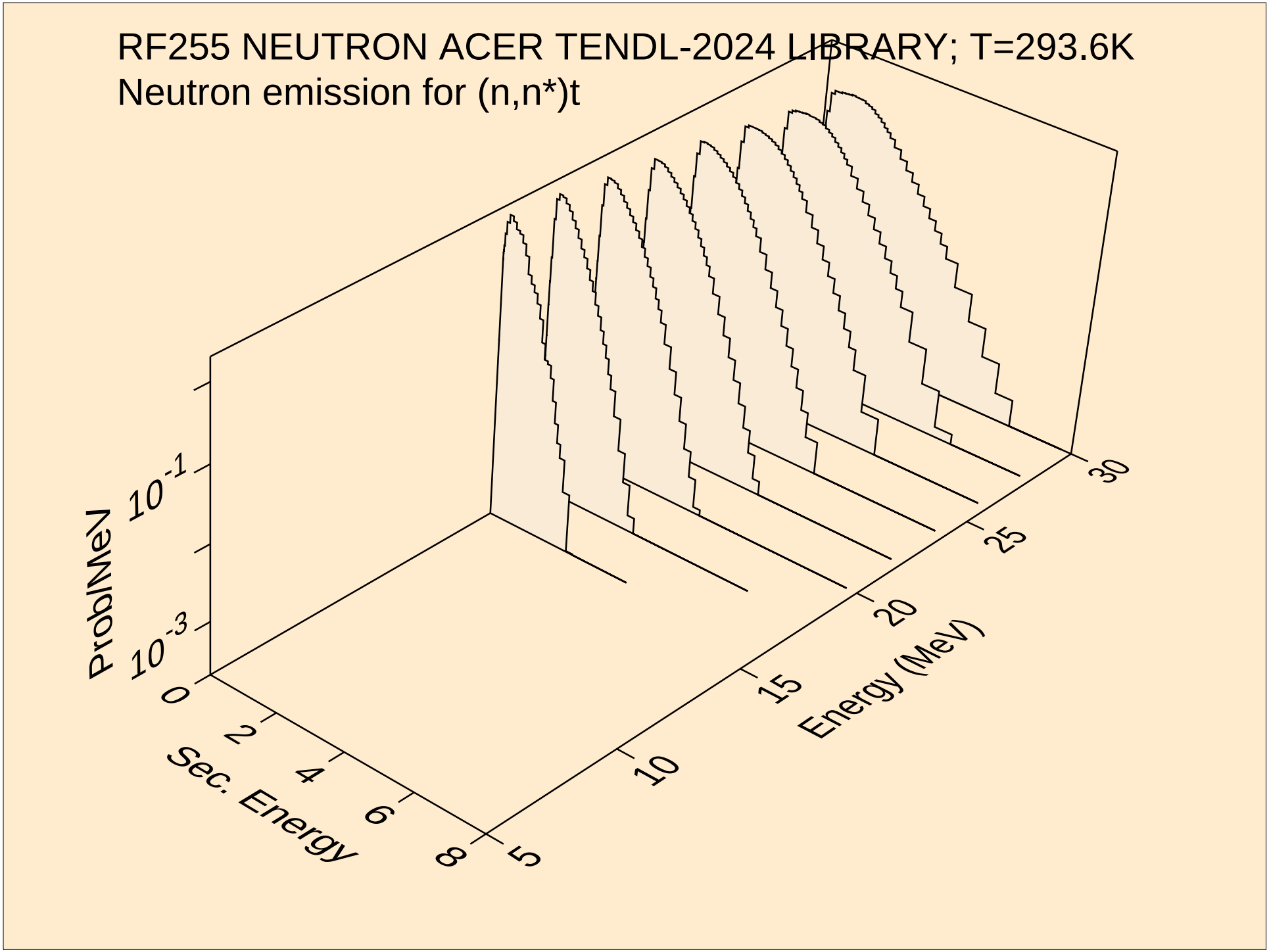

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)a
Prob/MeV
10^0
10^-2
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

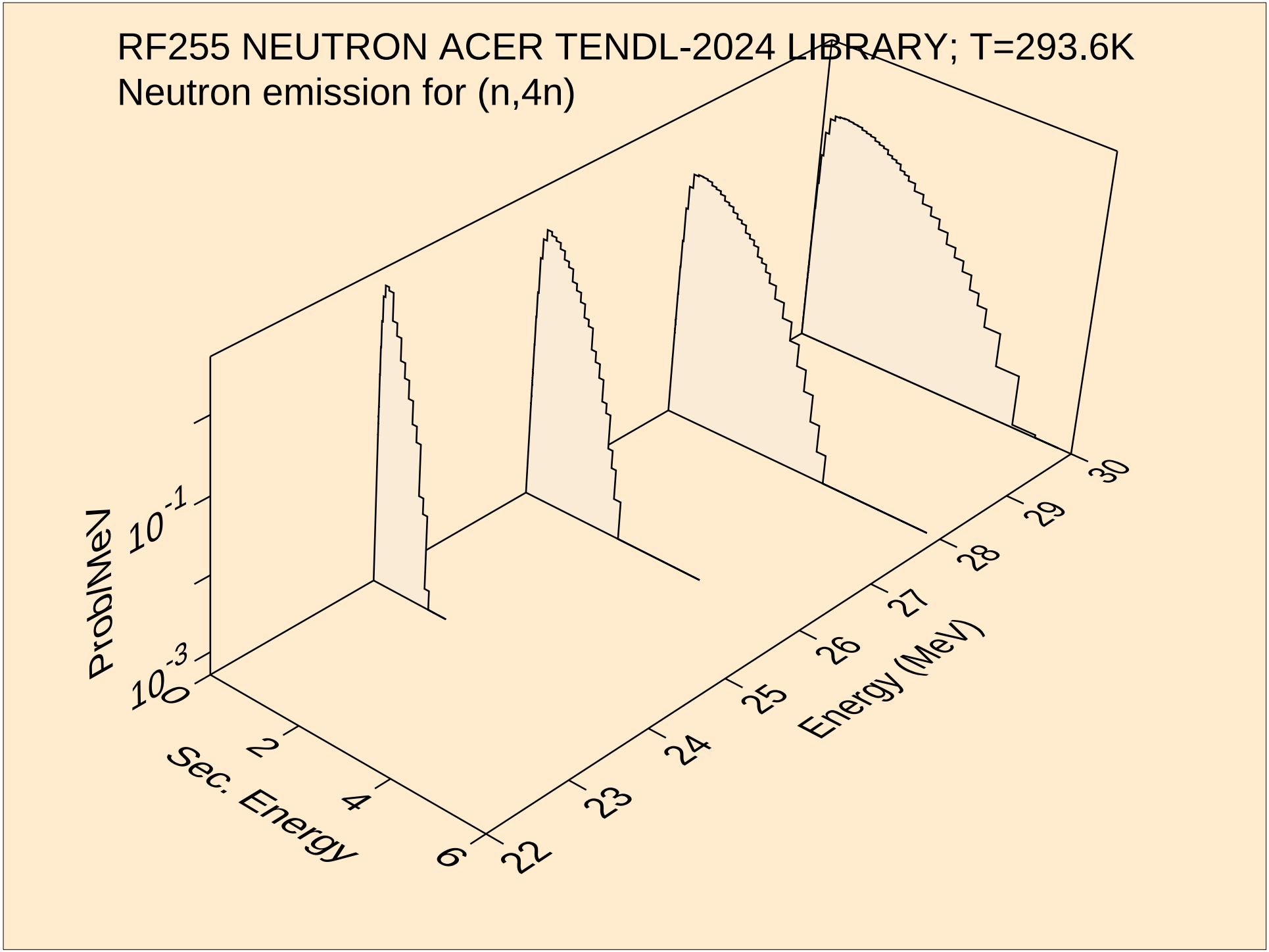

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)a
Prob/MeV
10^1
10^-1
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

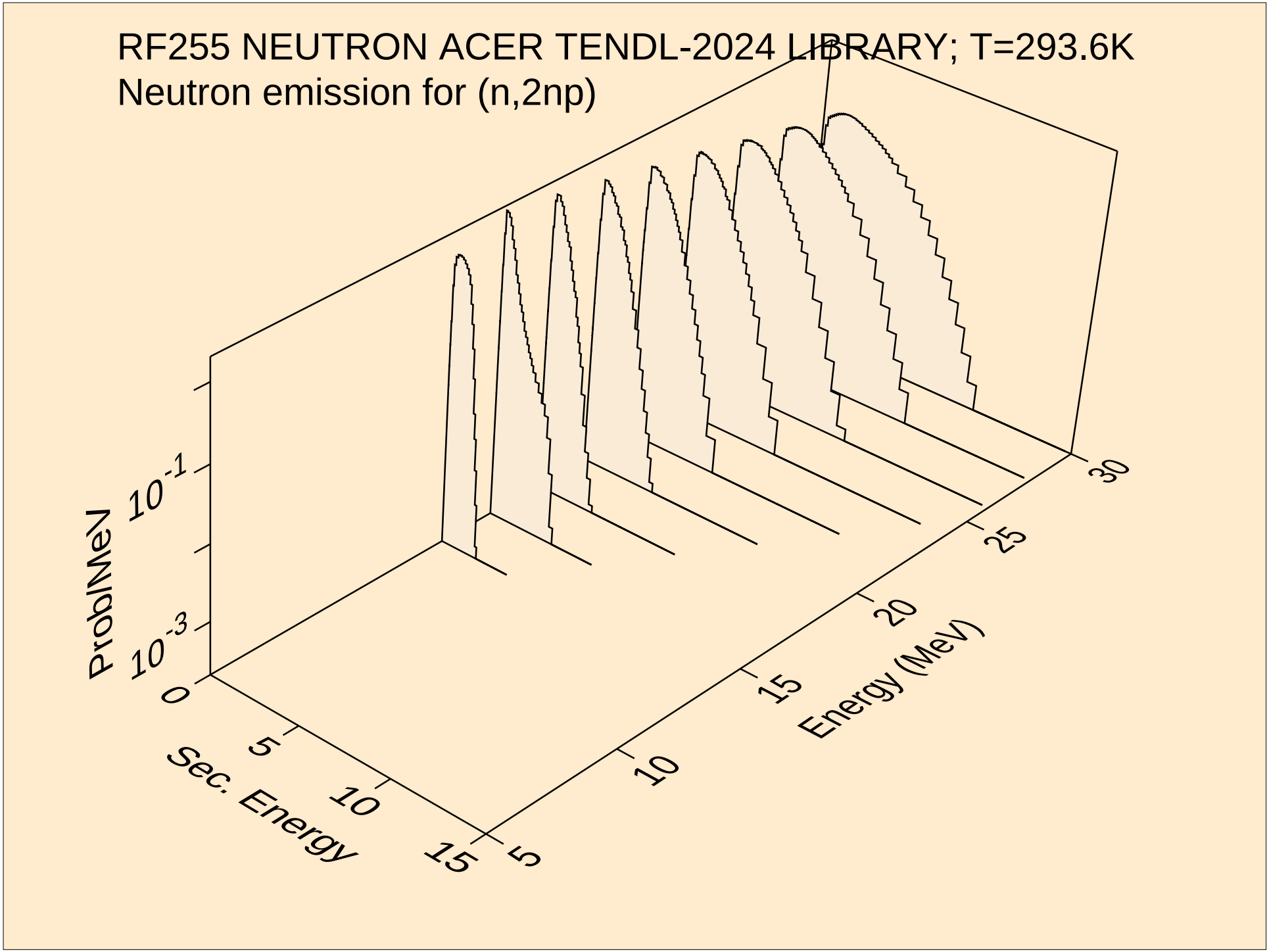

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)a
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
15
Energy (MeV)
5
10
15
20
25
30

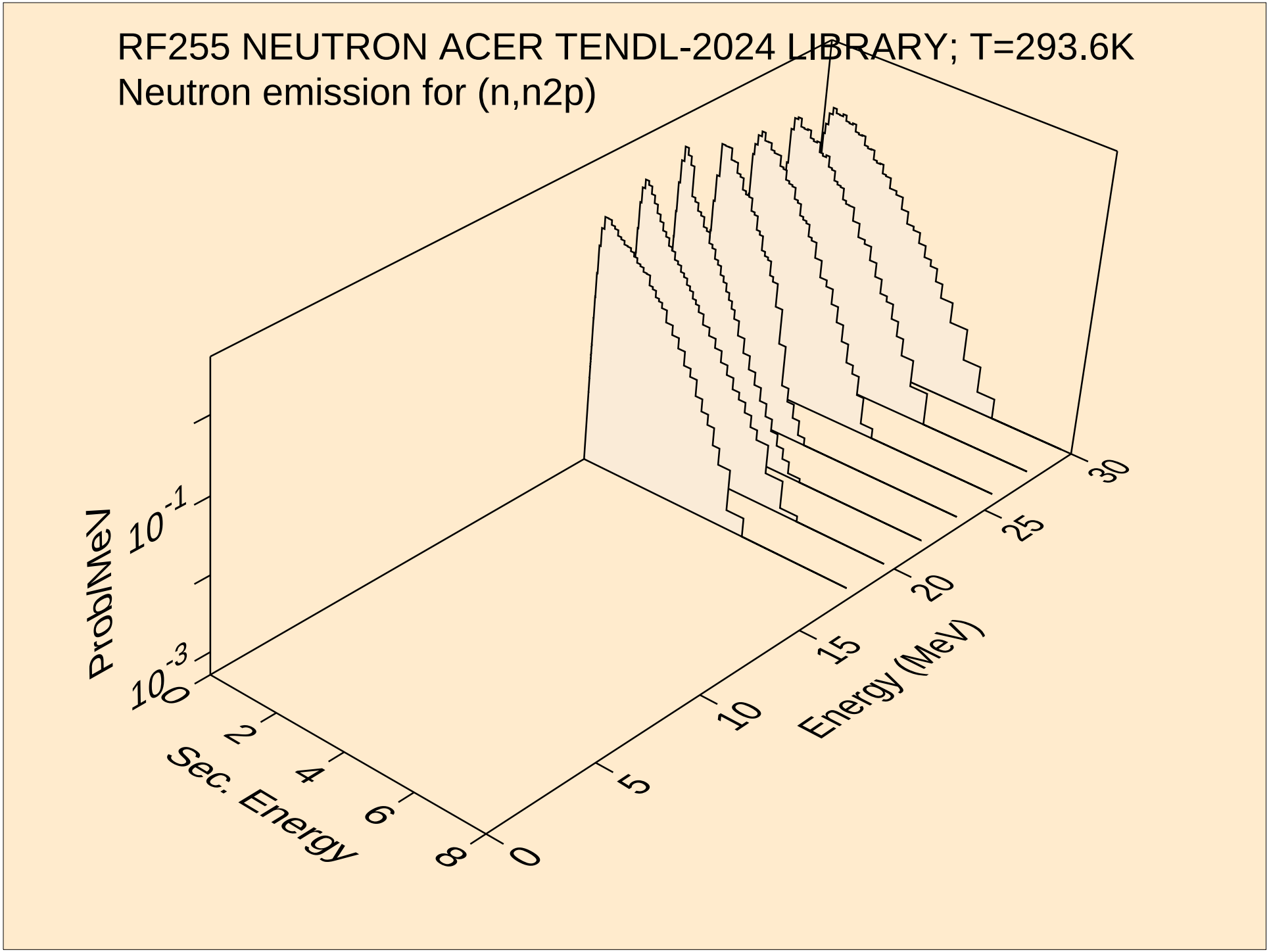

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)p
Prob/MeV
10-1
10-3
0
5
10
15
20
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

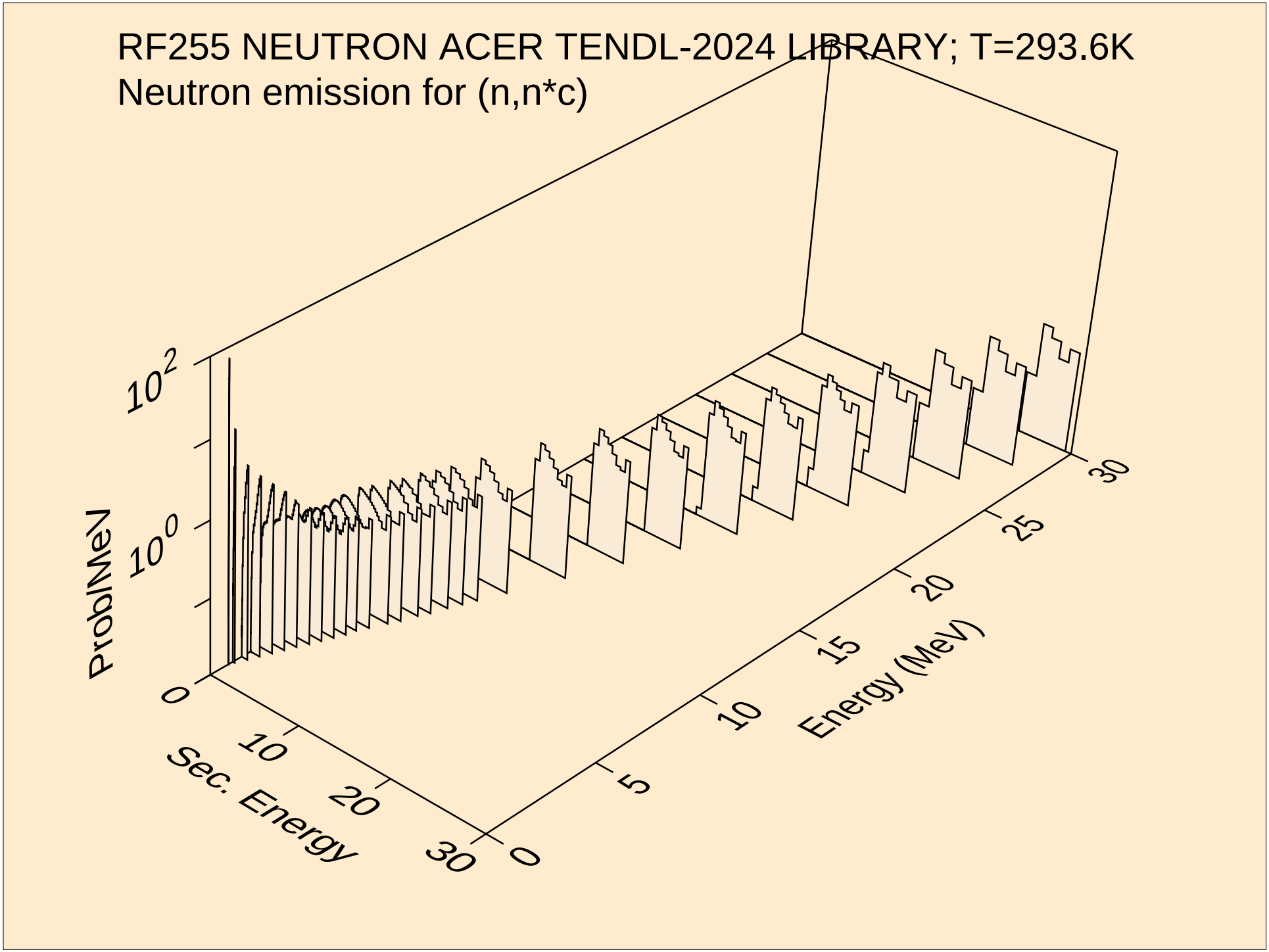

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)d
Prob/MeV
10-1
10-3
0
2
4
6
8
10
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

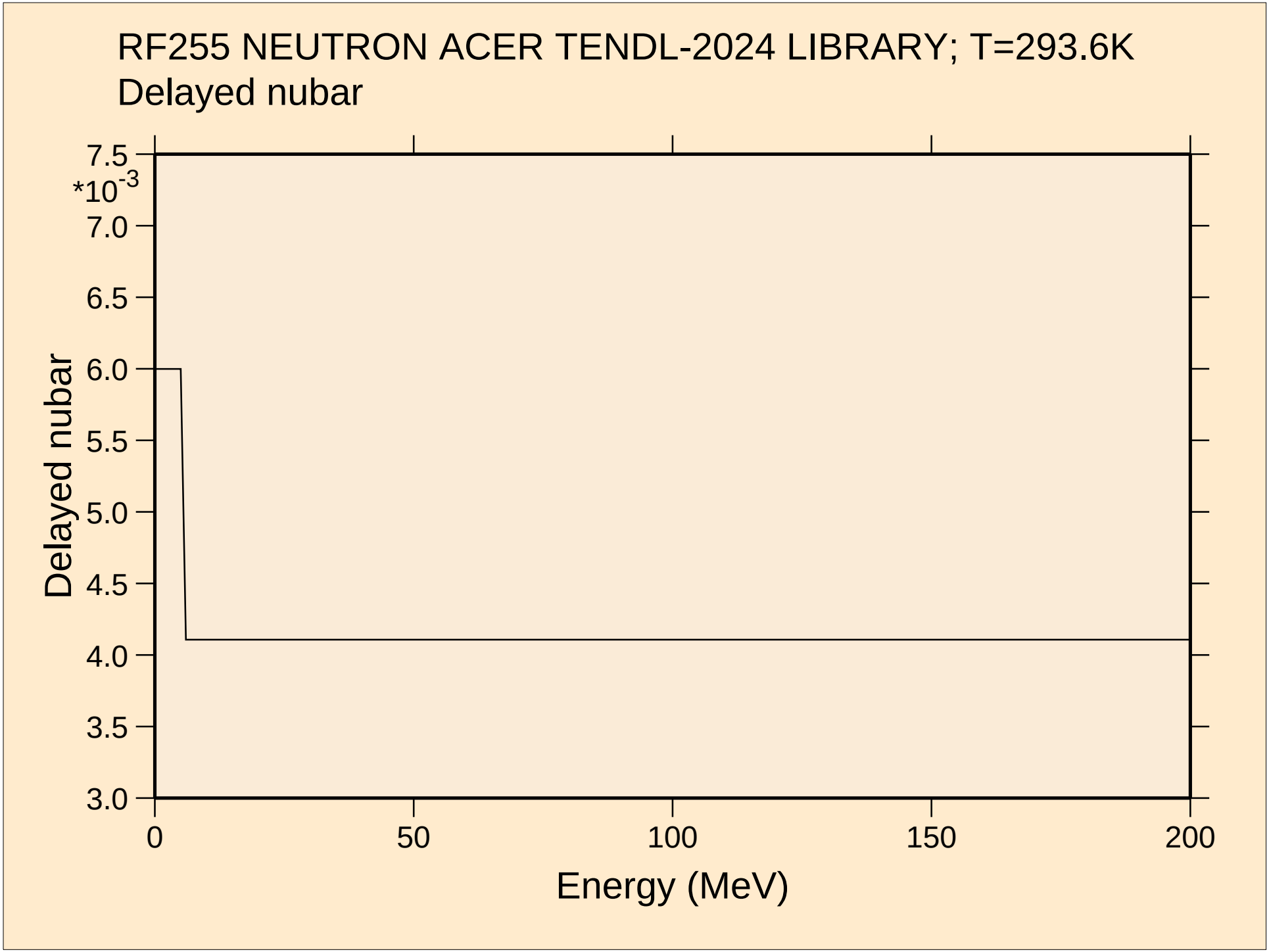

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)t
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

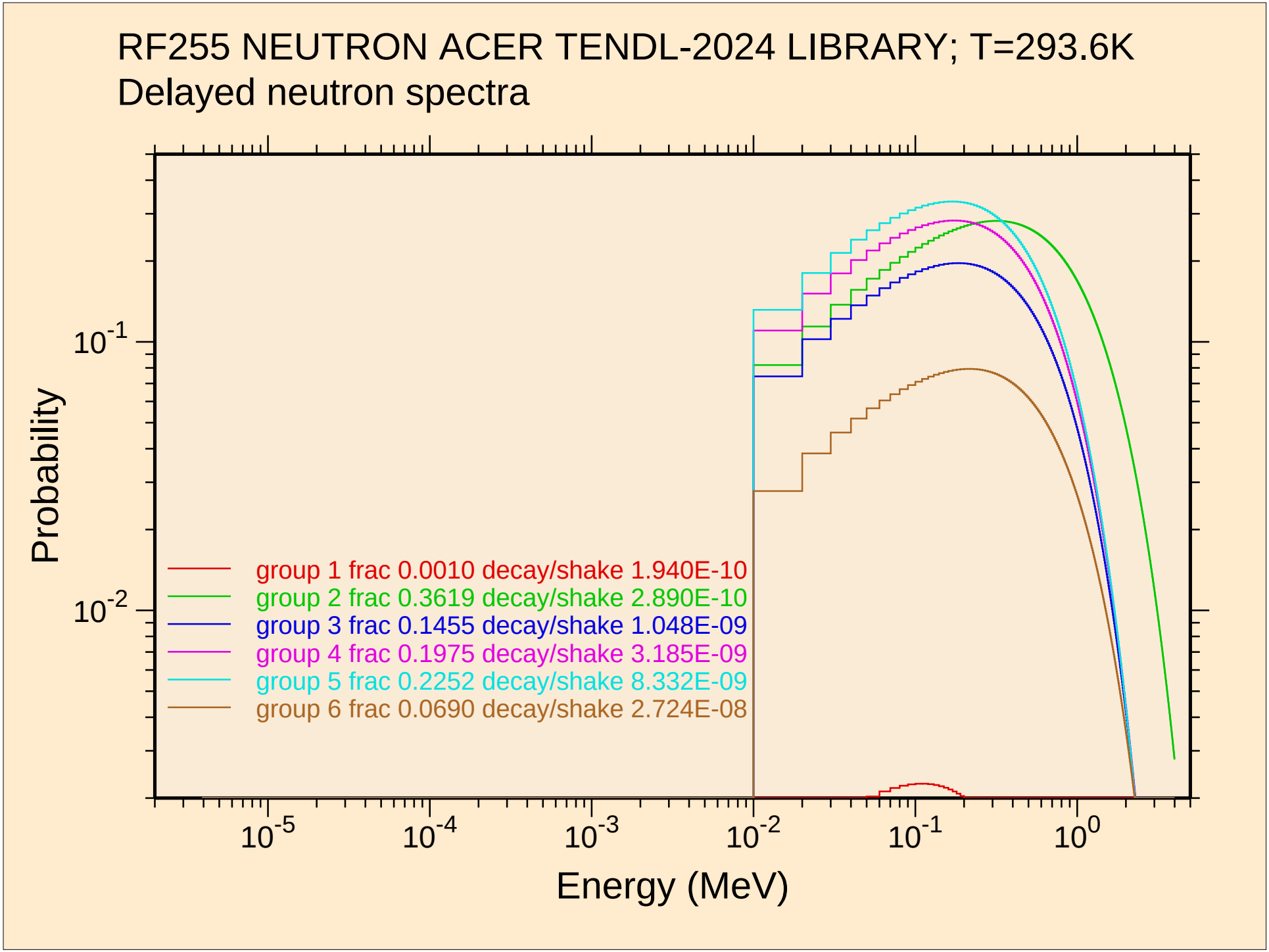

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,4n)
Prob/MeV
10-1
10-3
0
2
4
6
Sec. Energy
22
23
24
25
26
27
28
29
30
Energy (MeV)

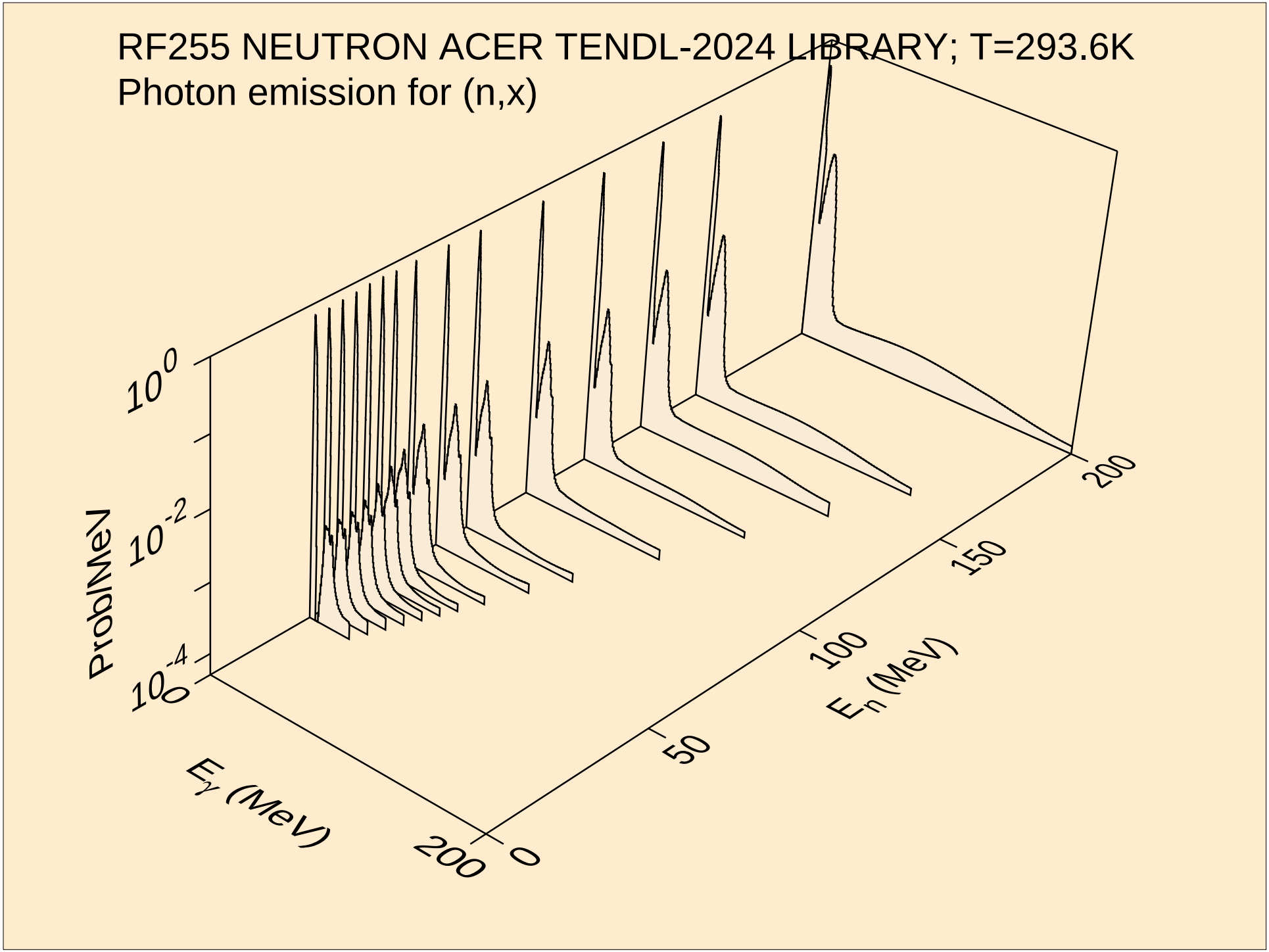

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2np)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
15
5
10
15
20
25
30
Energy (MeV)

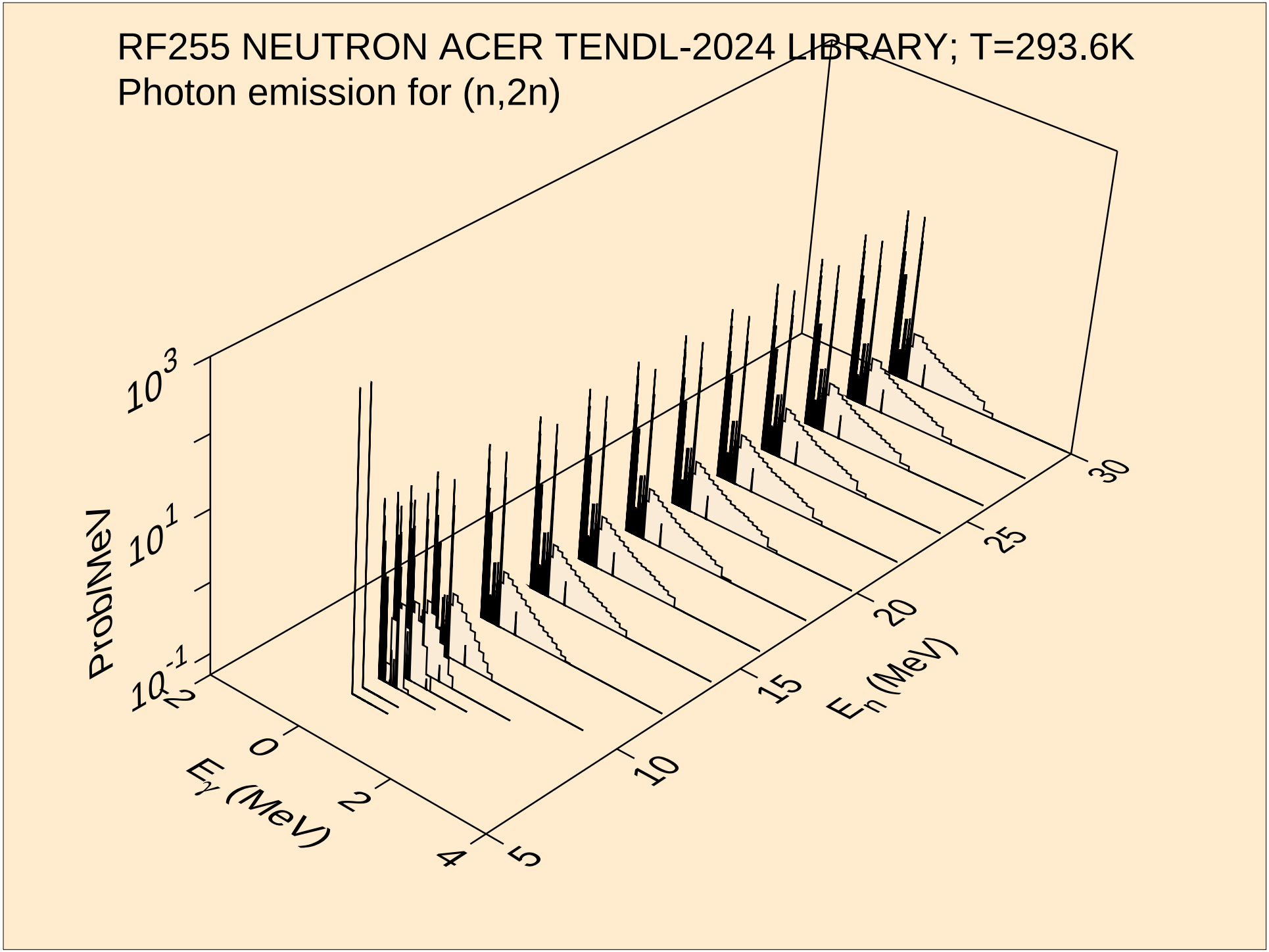

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n2p)
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

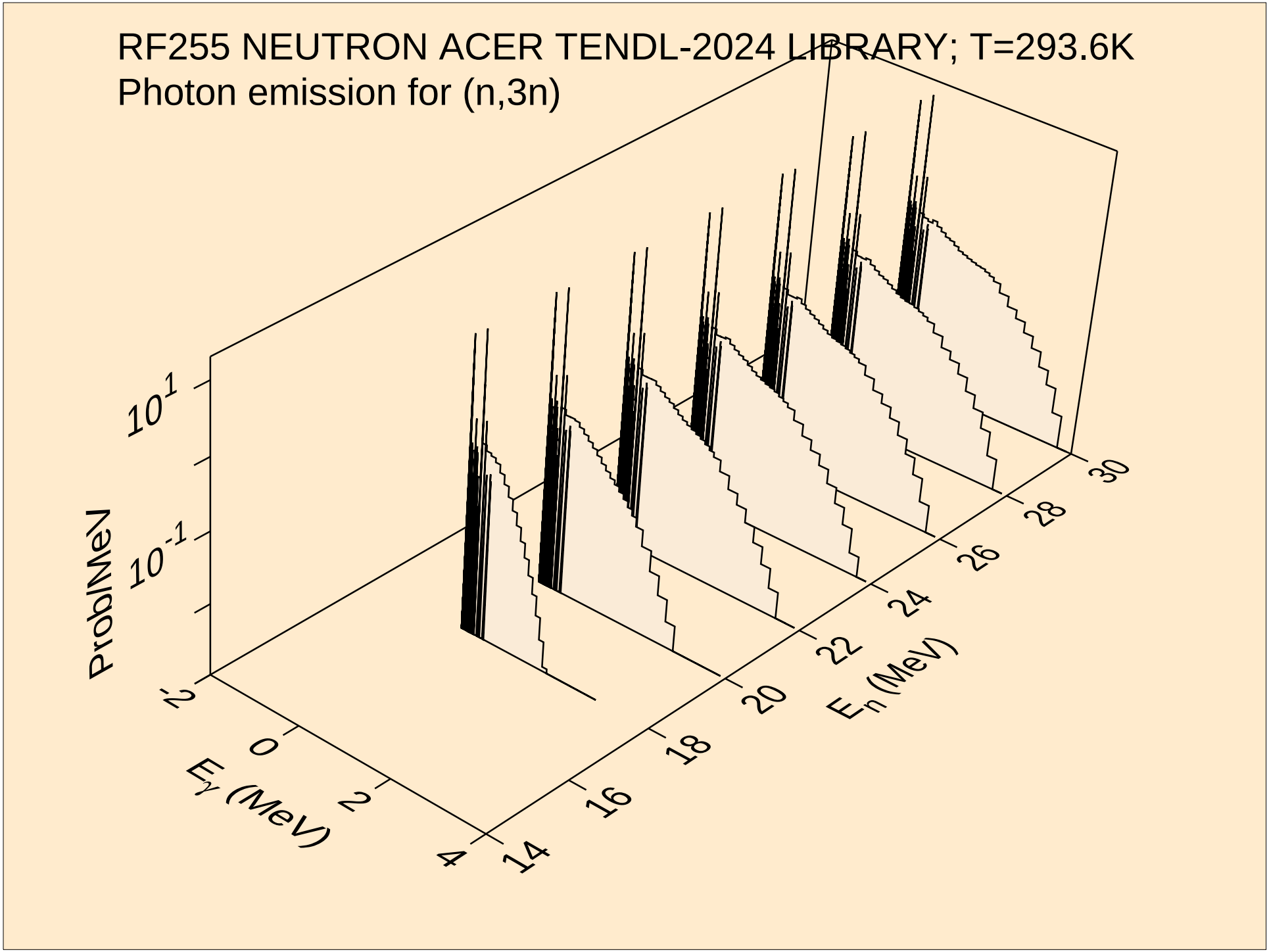

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*c)
Prob/MeV
10^2
10^0
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

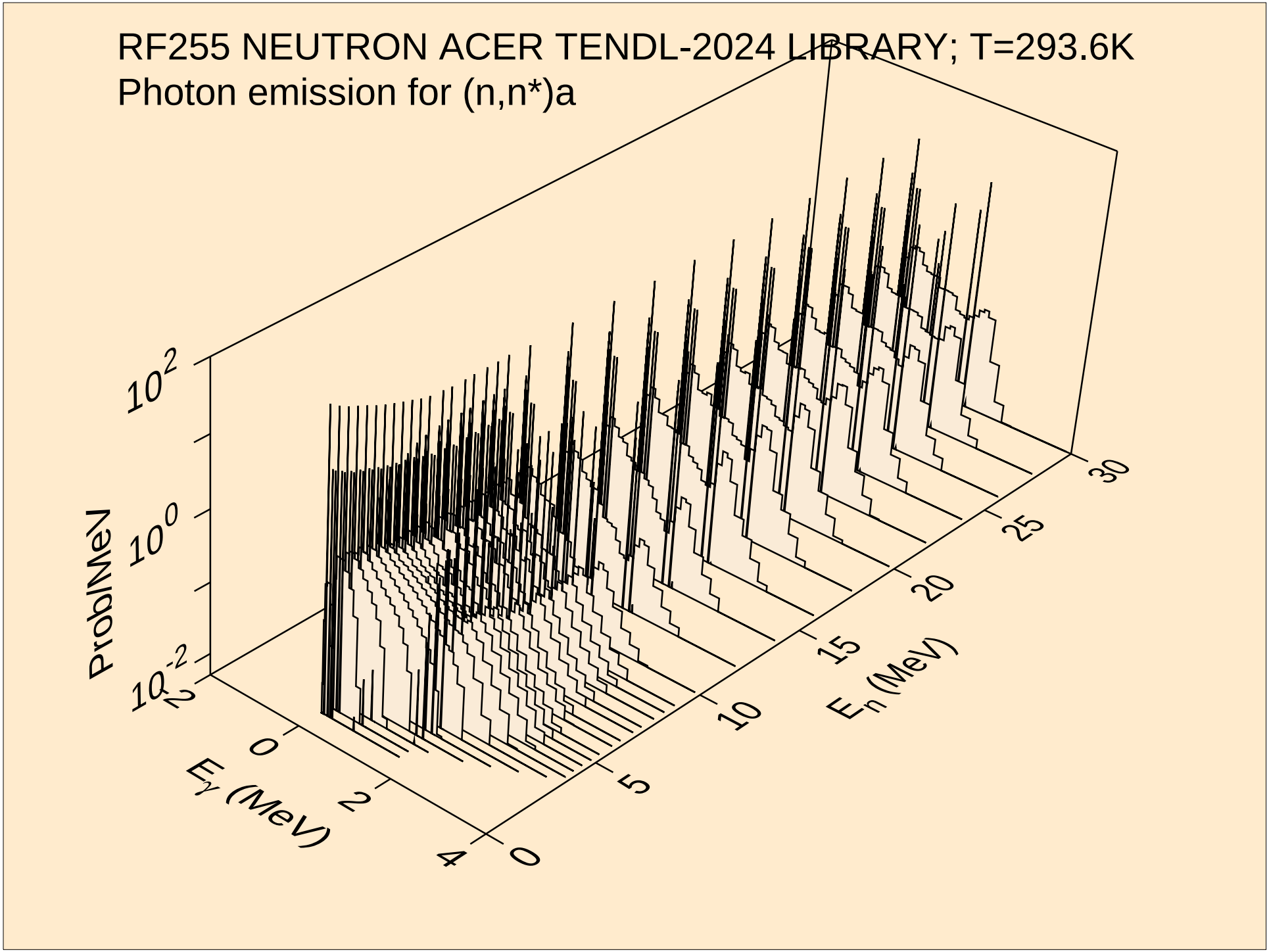

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Delayed nubar
Delayed nubar
*10-3
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
0
50
100
150
200
Energy (MeV)

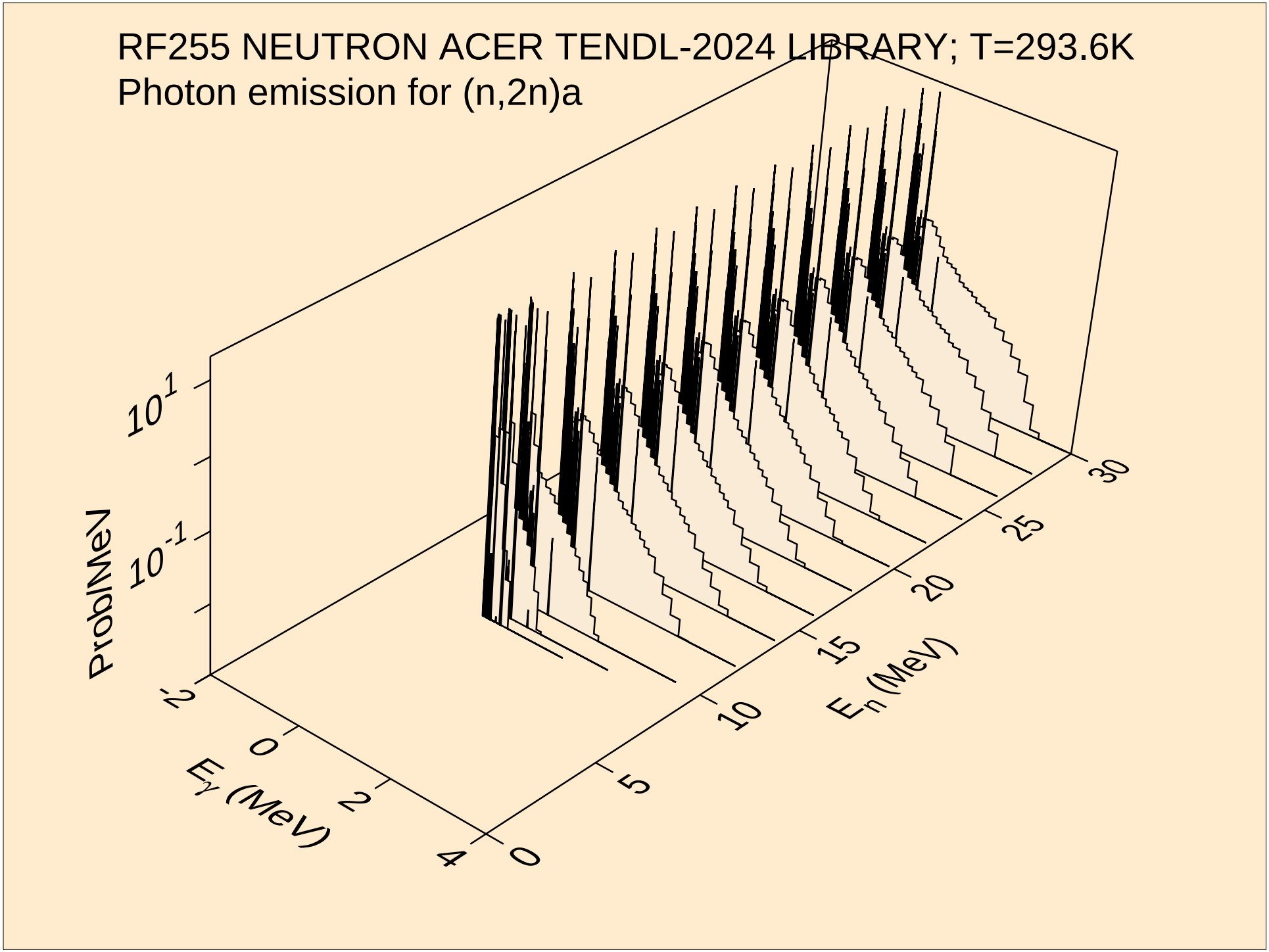

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Delayed neutron spectra
Probability
10^{-1}
10^{-2}
group 1 frac 0.0010 decay/shake 1.940E-10
group 2 frac 0.3619 decay/shake 2.890E-10
group 3 frac 0.1455 decay/shake 1.048E-09
group 4 frac 0.1975 decay/shake 3.185E-09
group 5 frac 0.2252 decay/shake 8.332E-09
group 6 frac 0.0690 decay/shake 2.724E-08
10^{-5}
10^{-4}
10^{-3}
10^{-2}
10^{-1}
10^{0}
Energy (MeV)

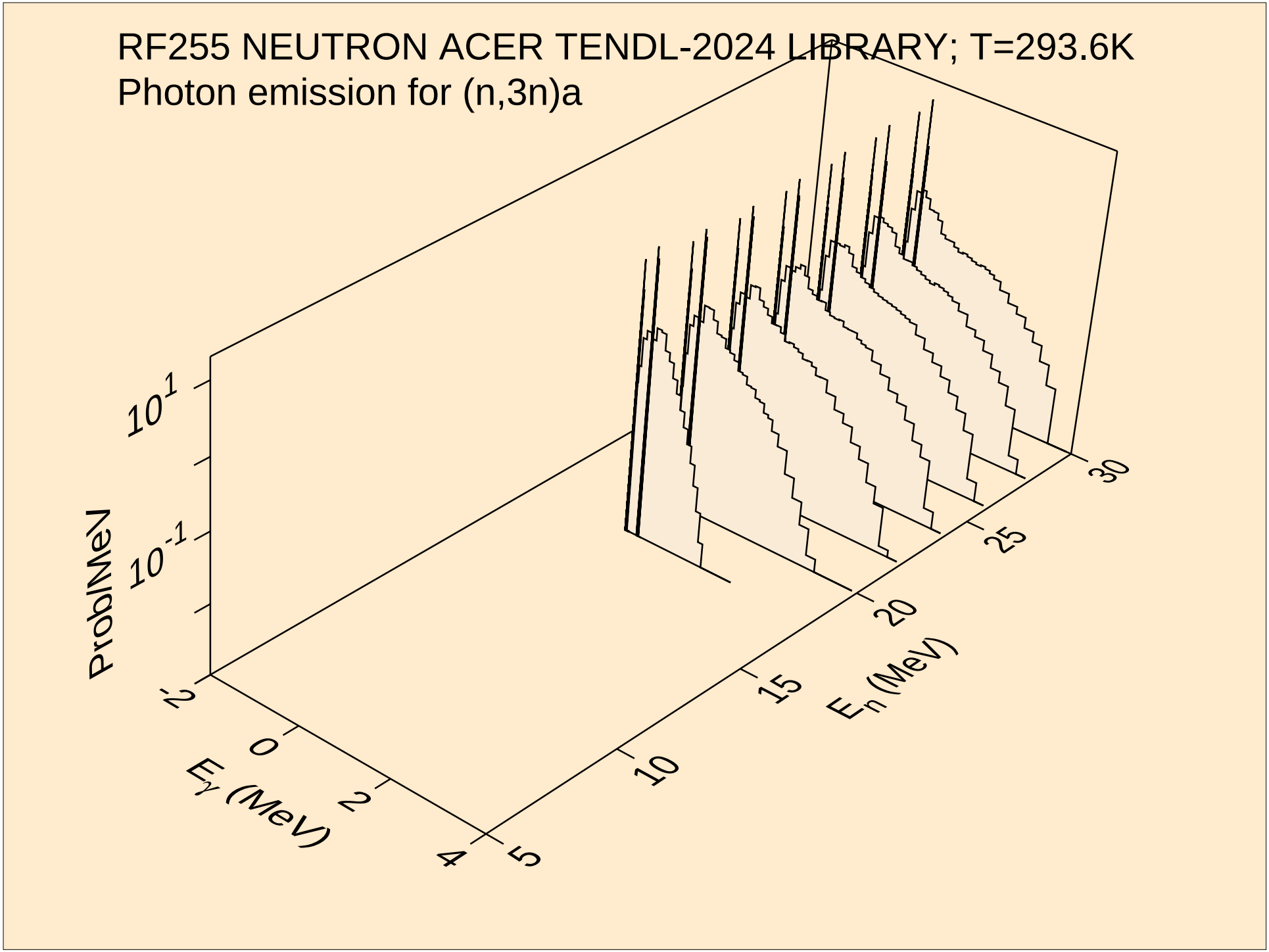

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
E_γ (MeV)
0
200
E_n (MeV)
50
100
150
200

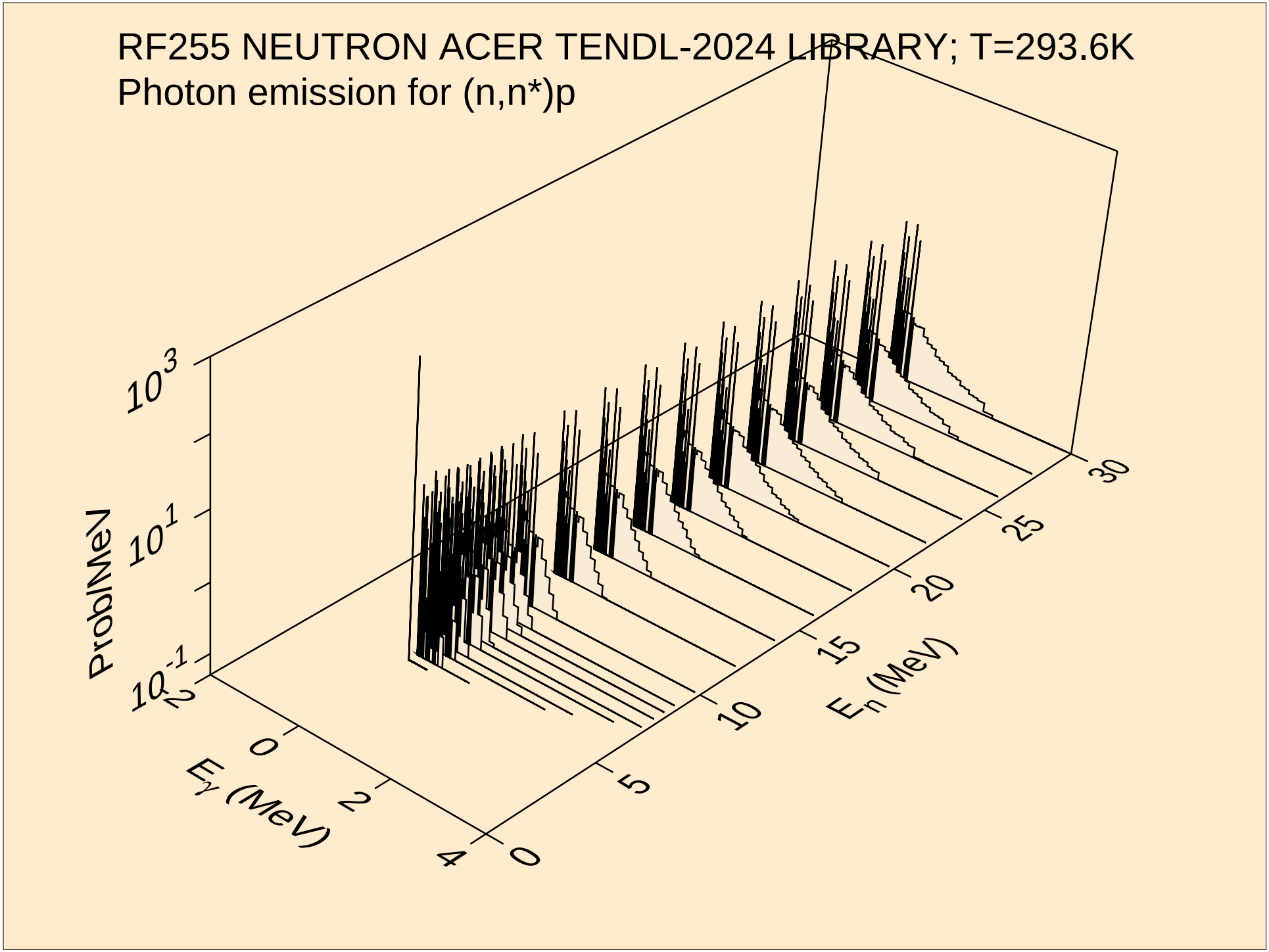

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
-2
0
2
4
5
10
15
20
25
30
E_n (MeV)

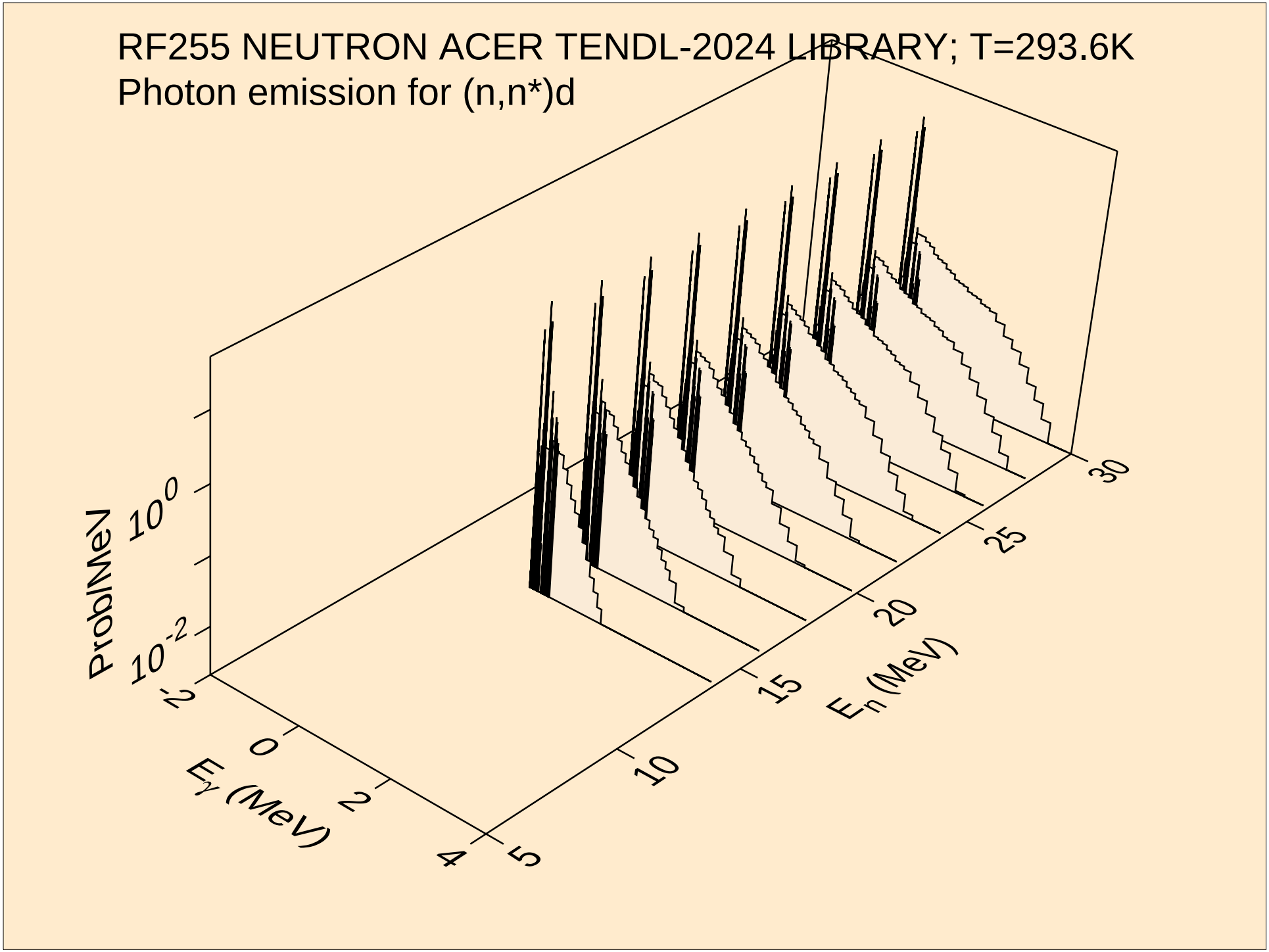

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)
Prob/MeV
10^{1}
10^{-1}
-2
0
2
4
E_γ (MeV)
14
16
18
20
22
24
26
28
30
E_n (MeV)

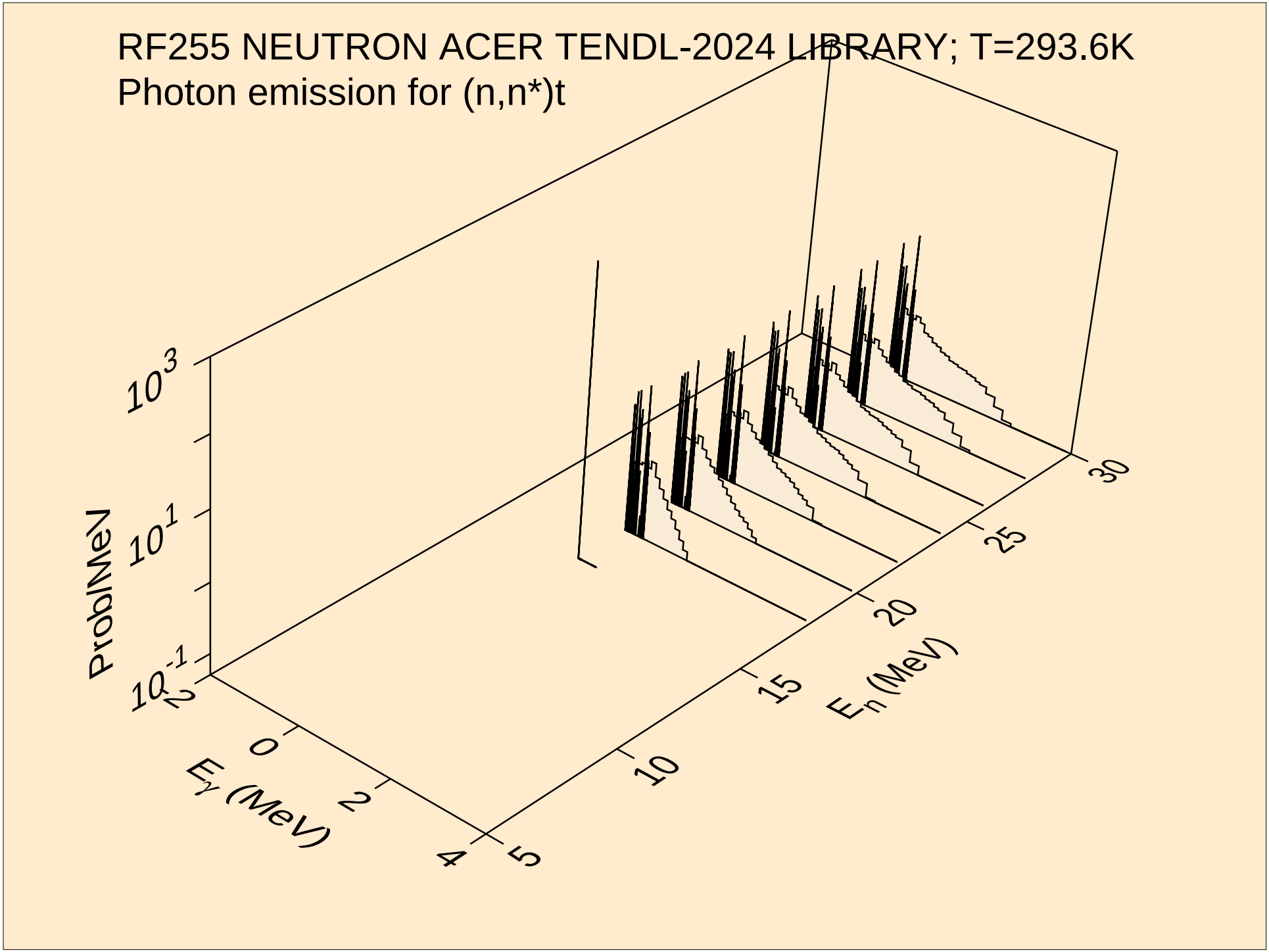

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)a
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

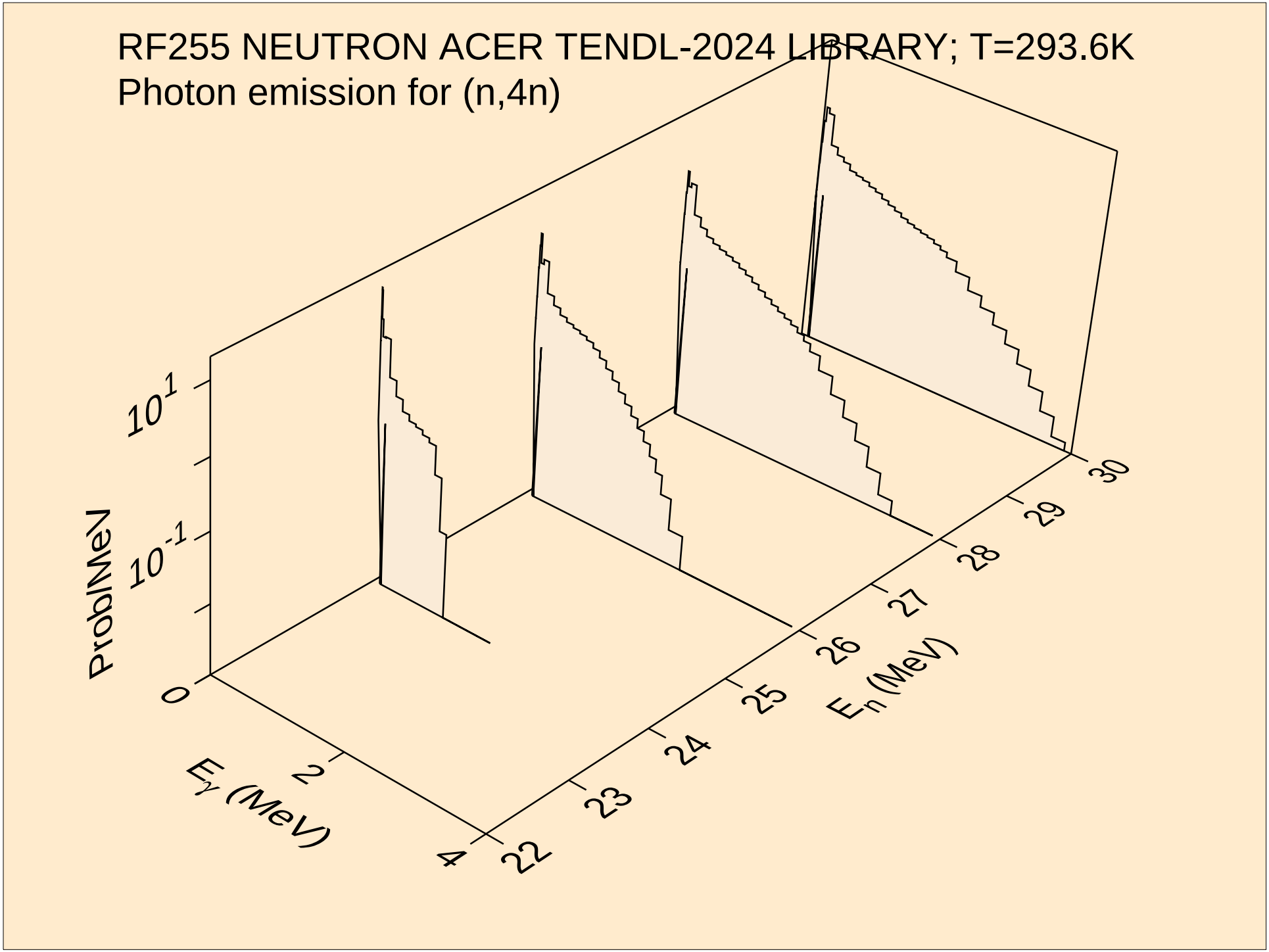

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)a
Prob/MeV
10^{1}
10^{-1}
E_γ (MeV)
-2
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

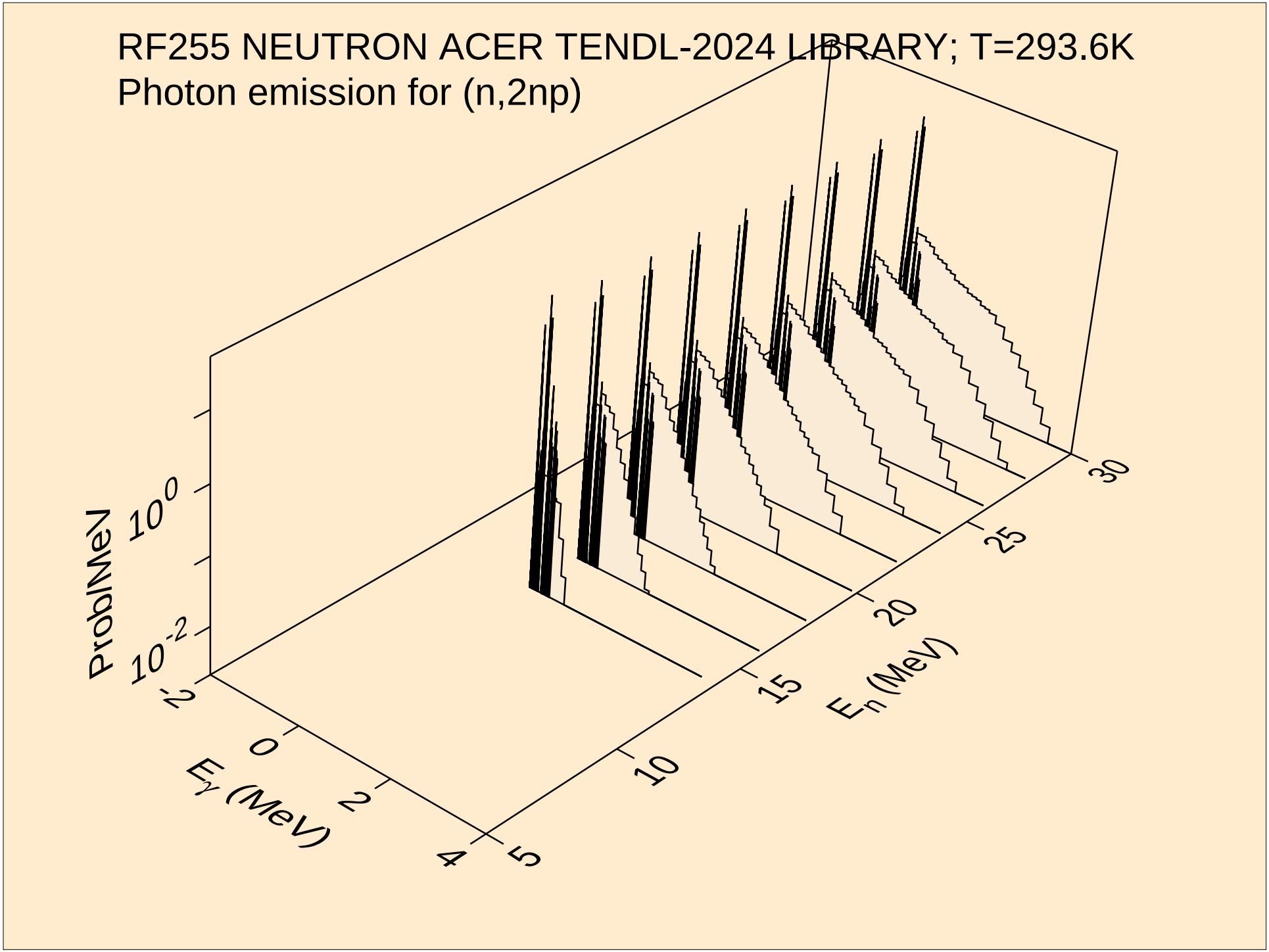

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)a
Prob/MeV
10^{1}
10^{-1}
-2
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

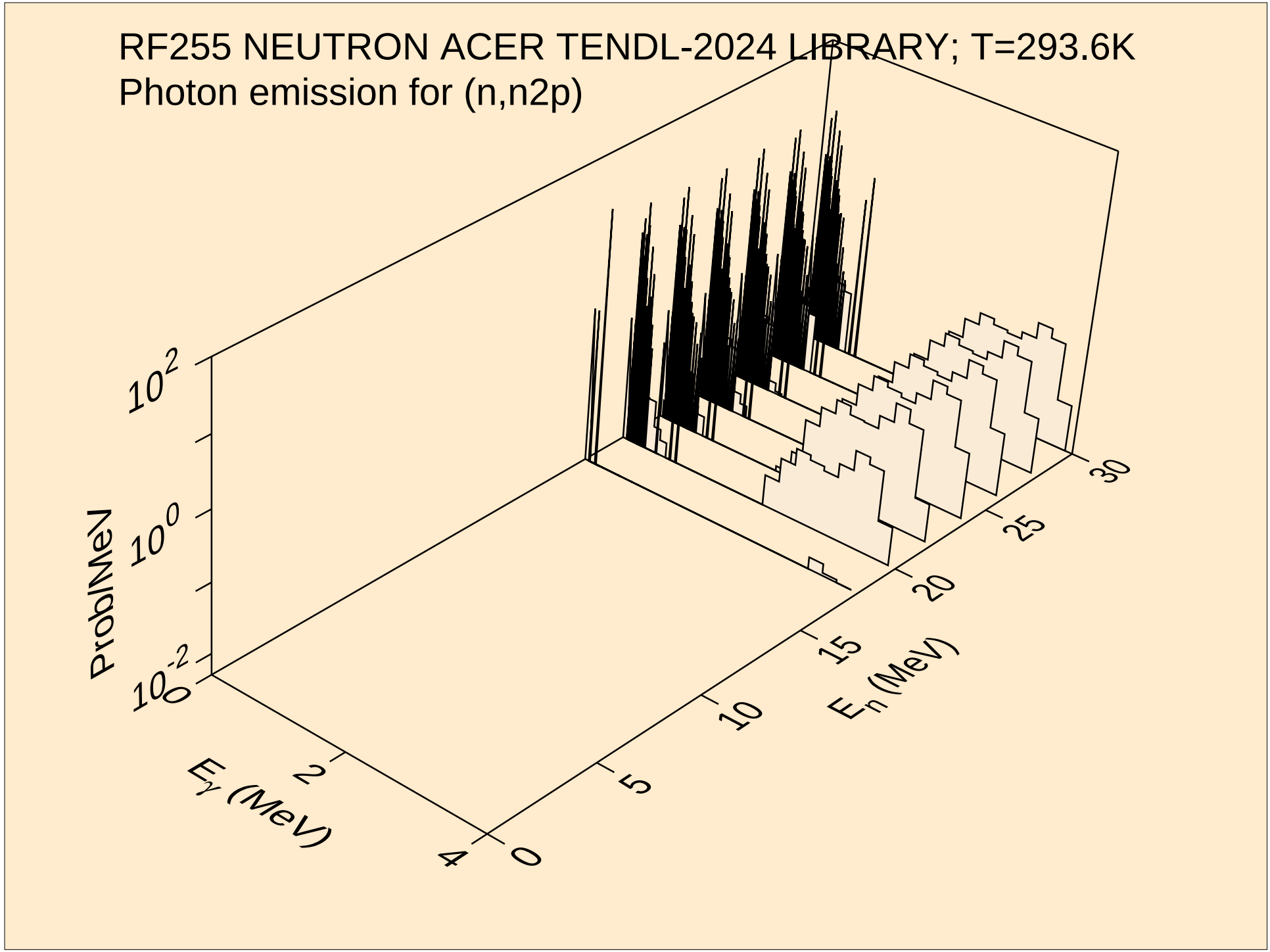

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)p
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

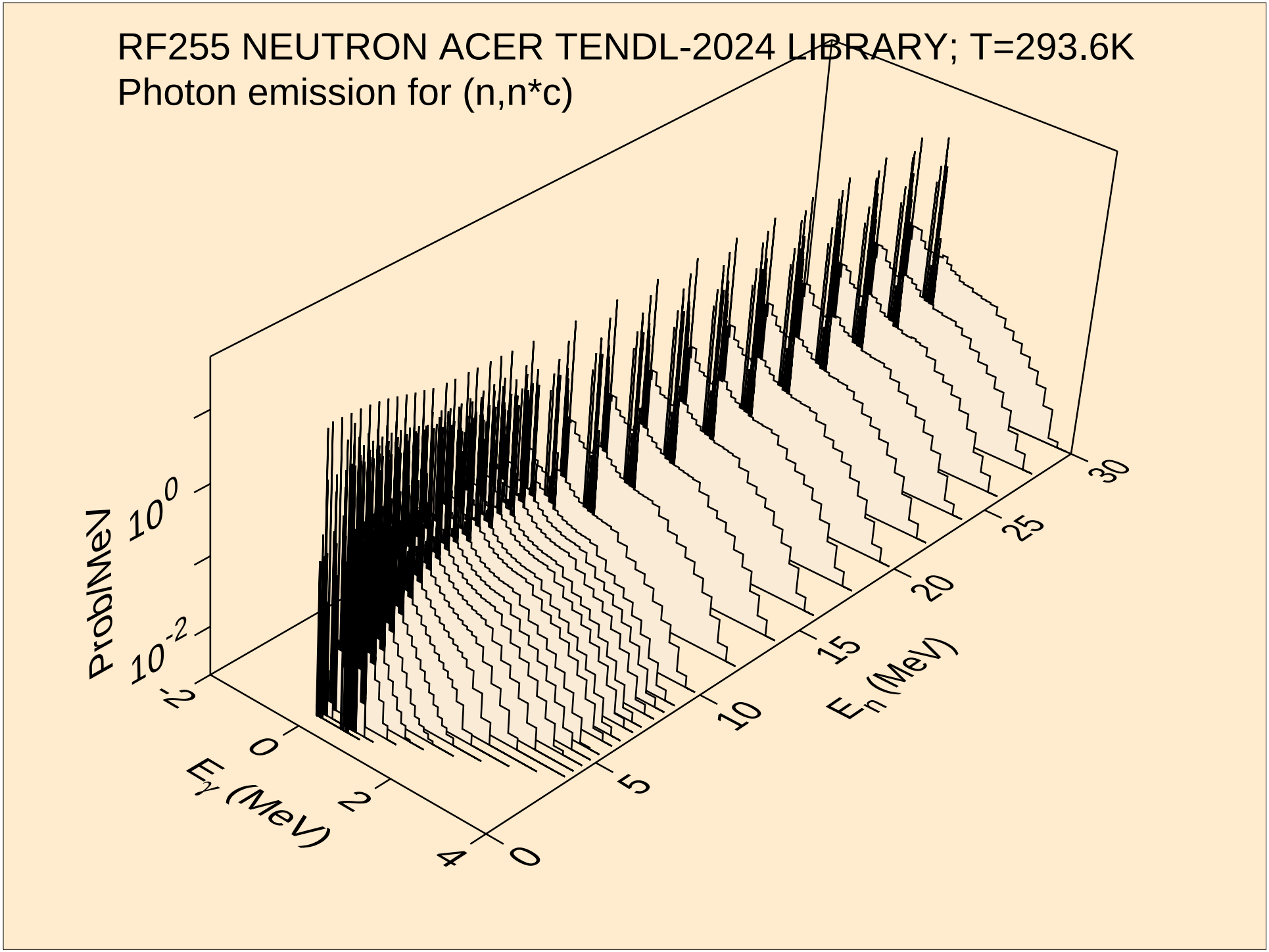

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)d
Prob/MeV
10^0
10^-2
-2
0
2
4
Eγ (MeV)
5
10
15
20
25
30
En (MeV)

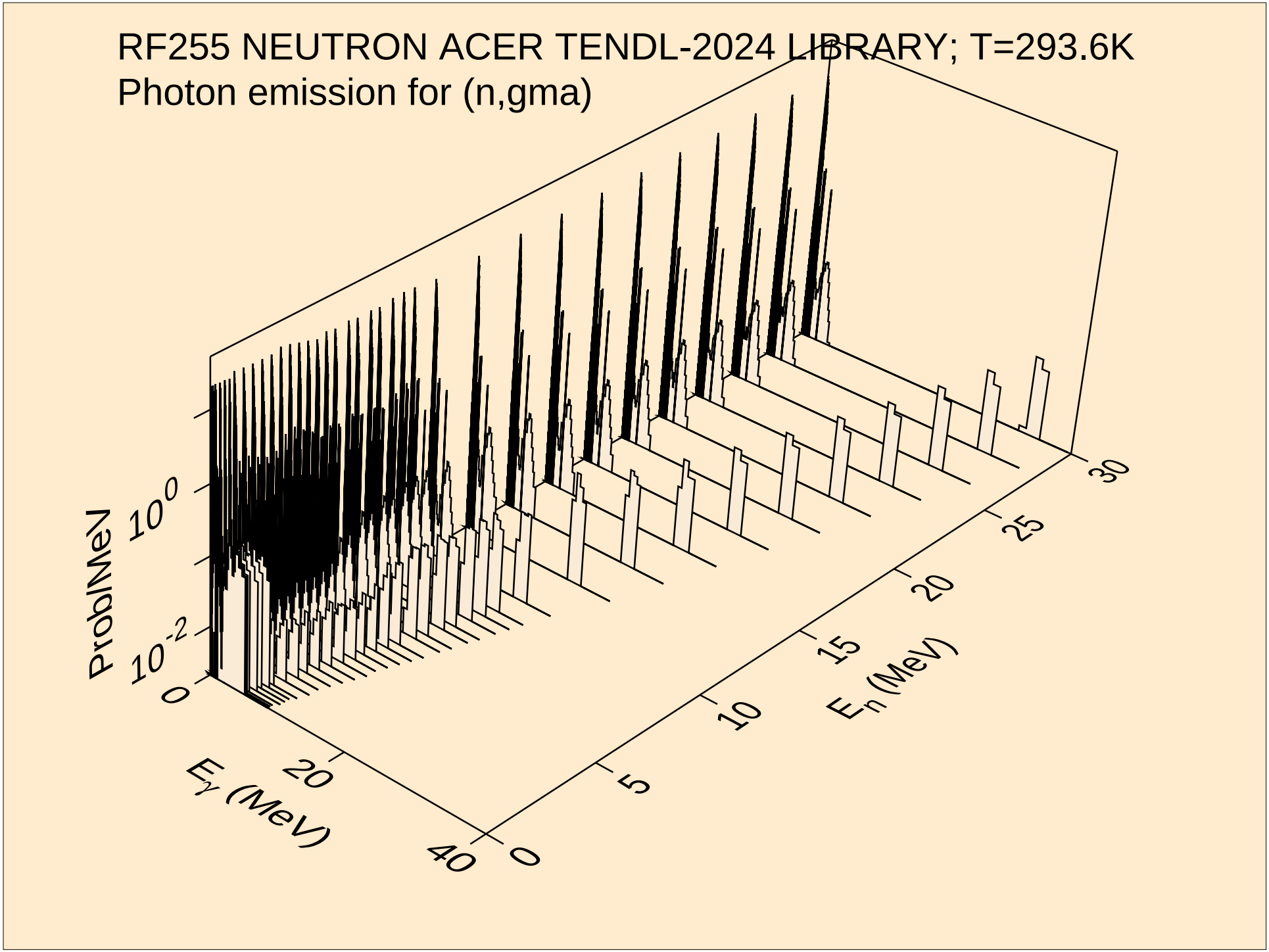

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)t
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
-2
0
2
4
5
10
15
20
25
30
E_n (MeV)

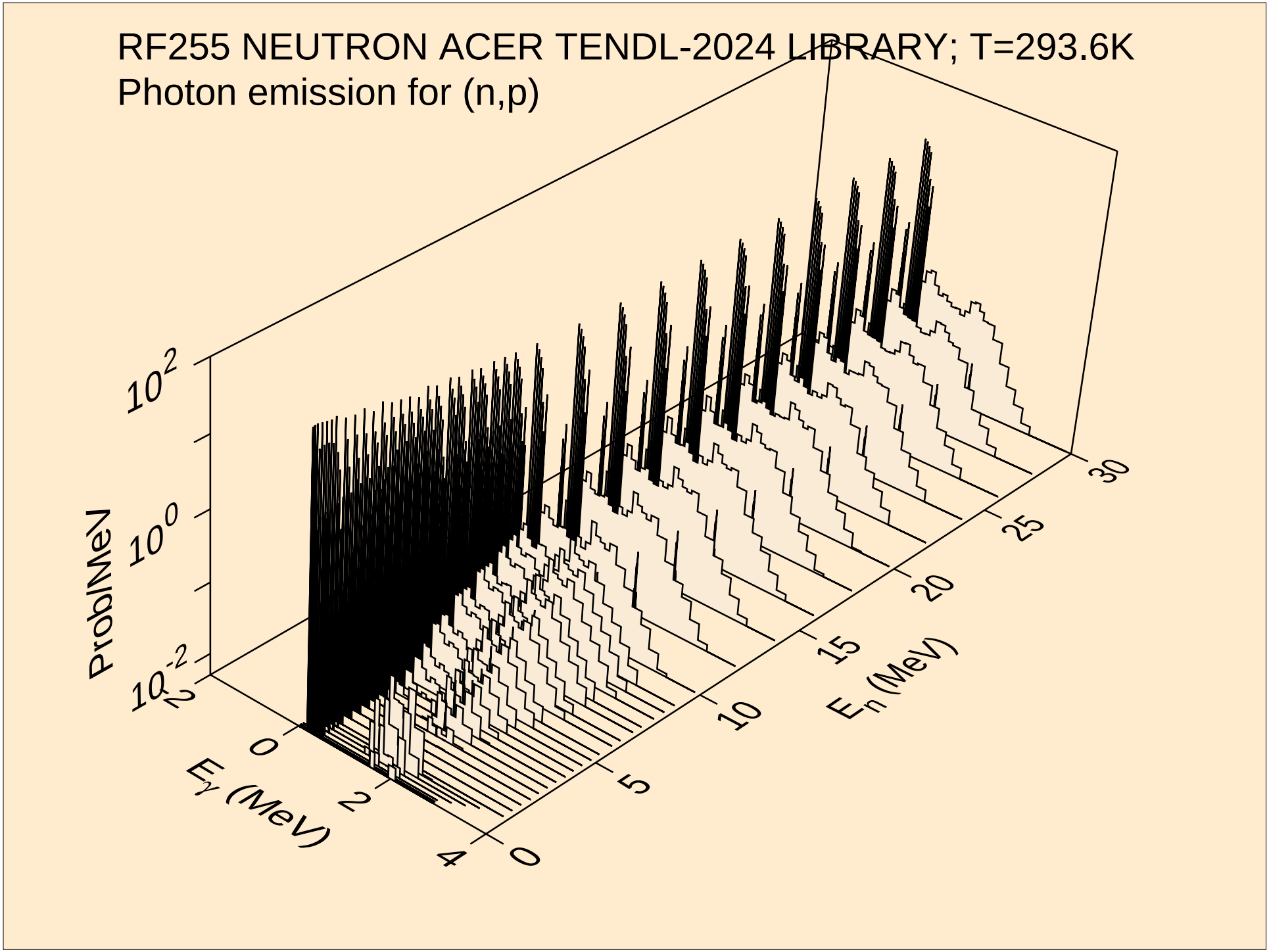

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,4n)
Prob/MeV
10^1
10^-1
0
2
4
E_γ (MeV)
22
23
24
25
26
27
28
29
30
E_n (MeV)

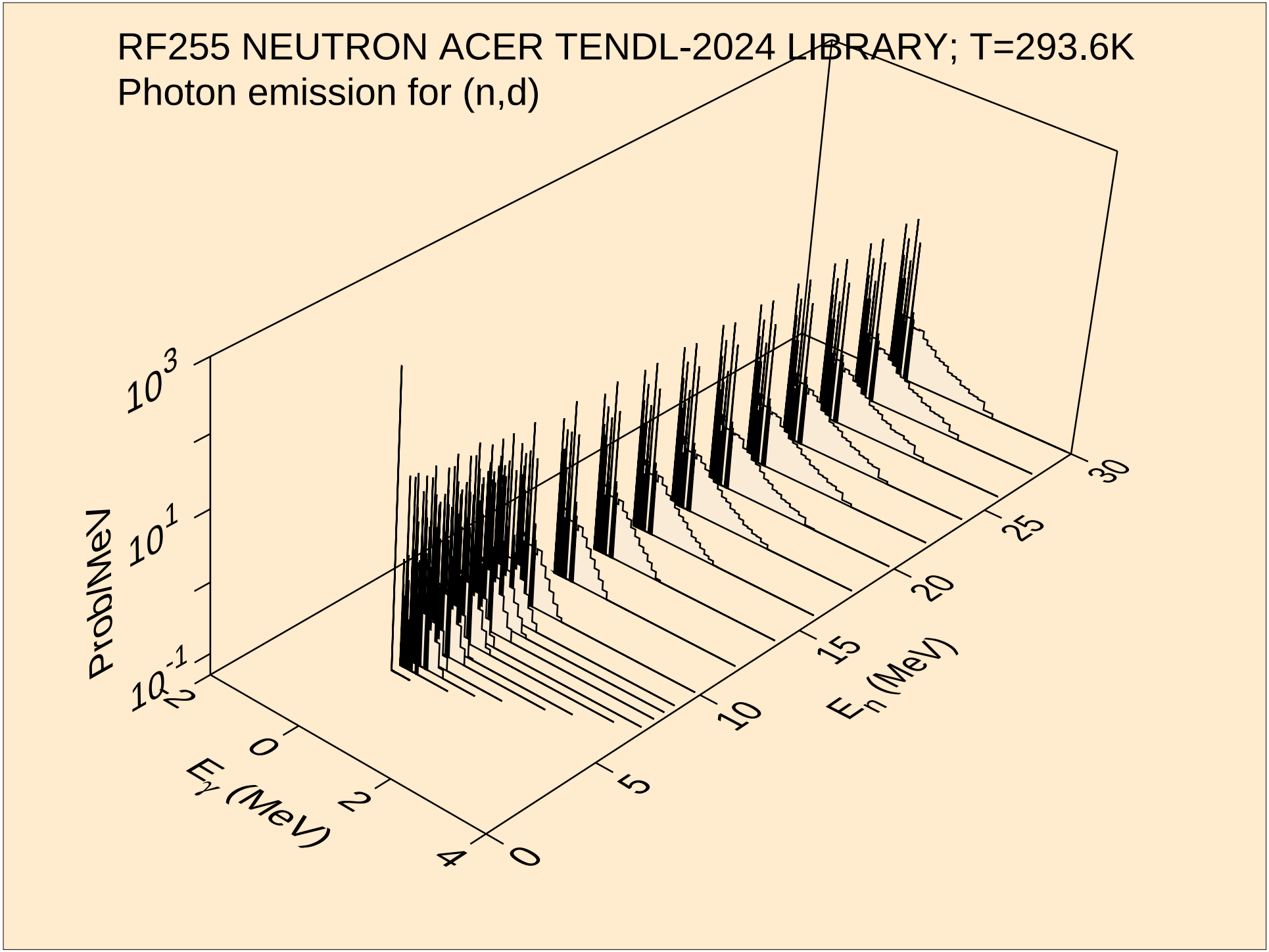

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2np)
Prob/MeV
10^{0}
10^{-2}
-2
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

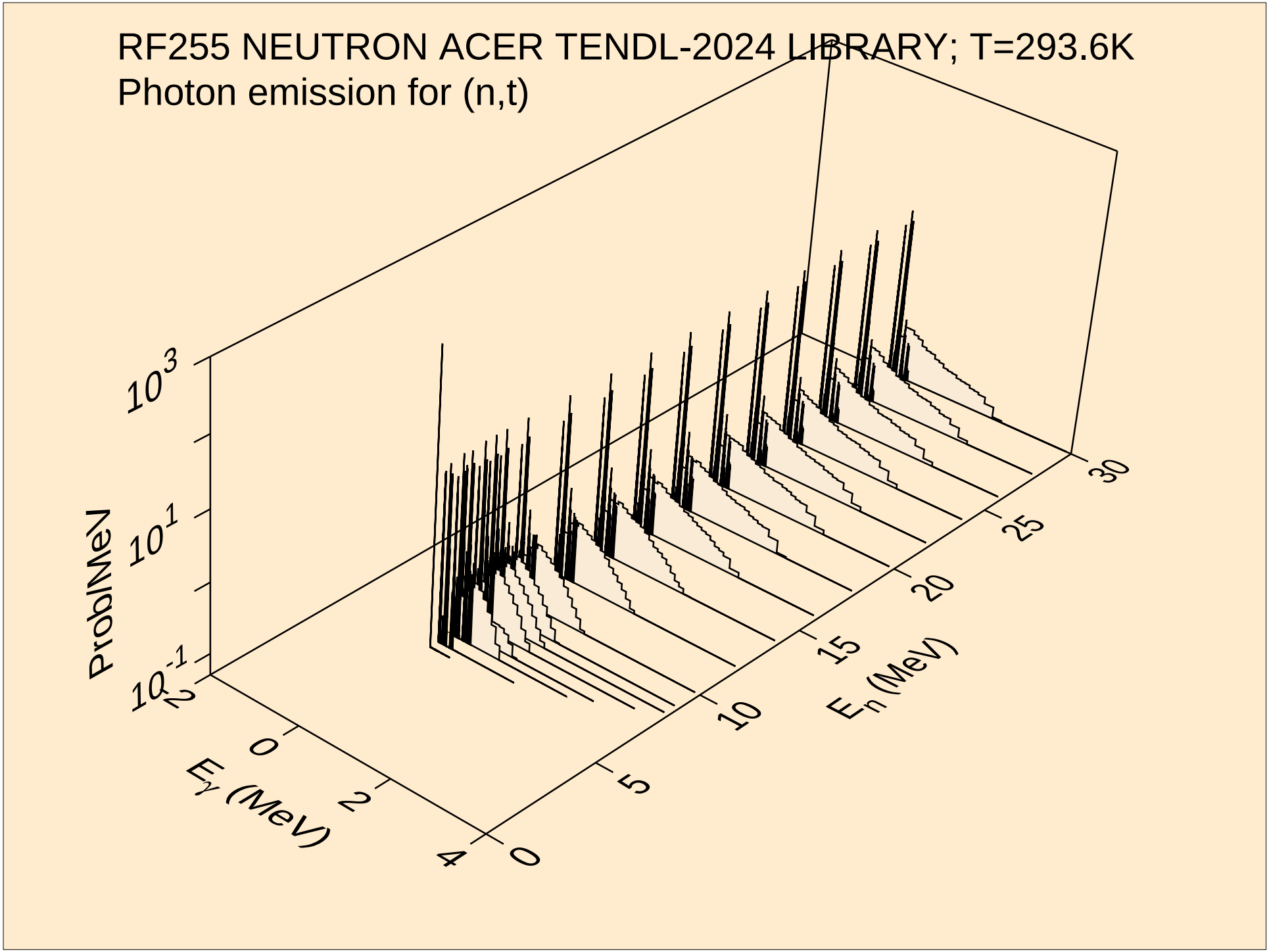

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n2p)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

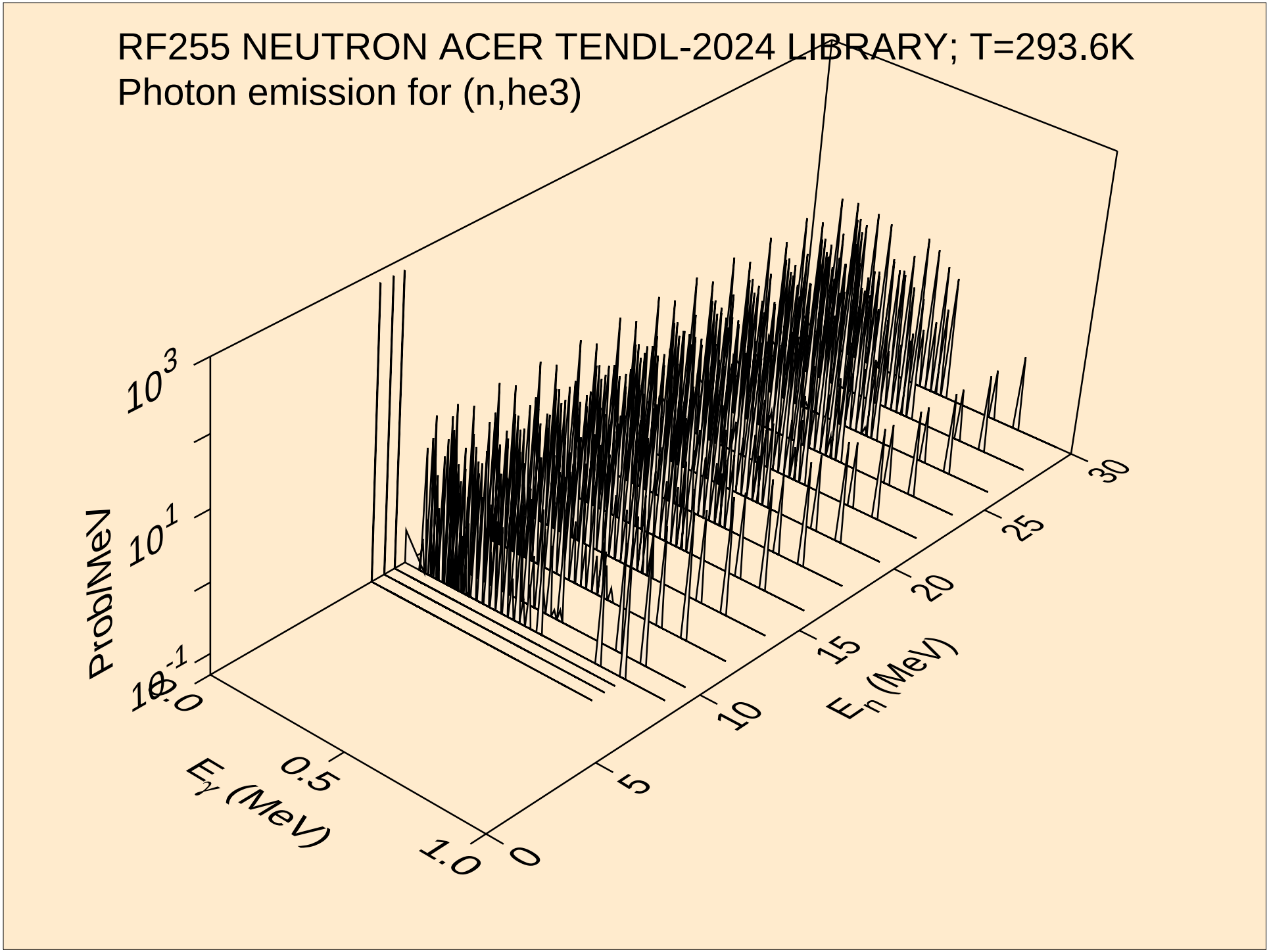

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*c)
Prob/MeV
10^0
10^-2
E_γ (MeV)
-2
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

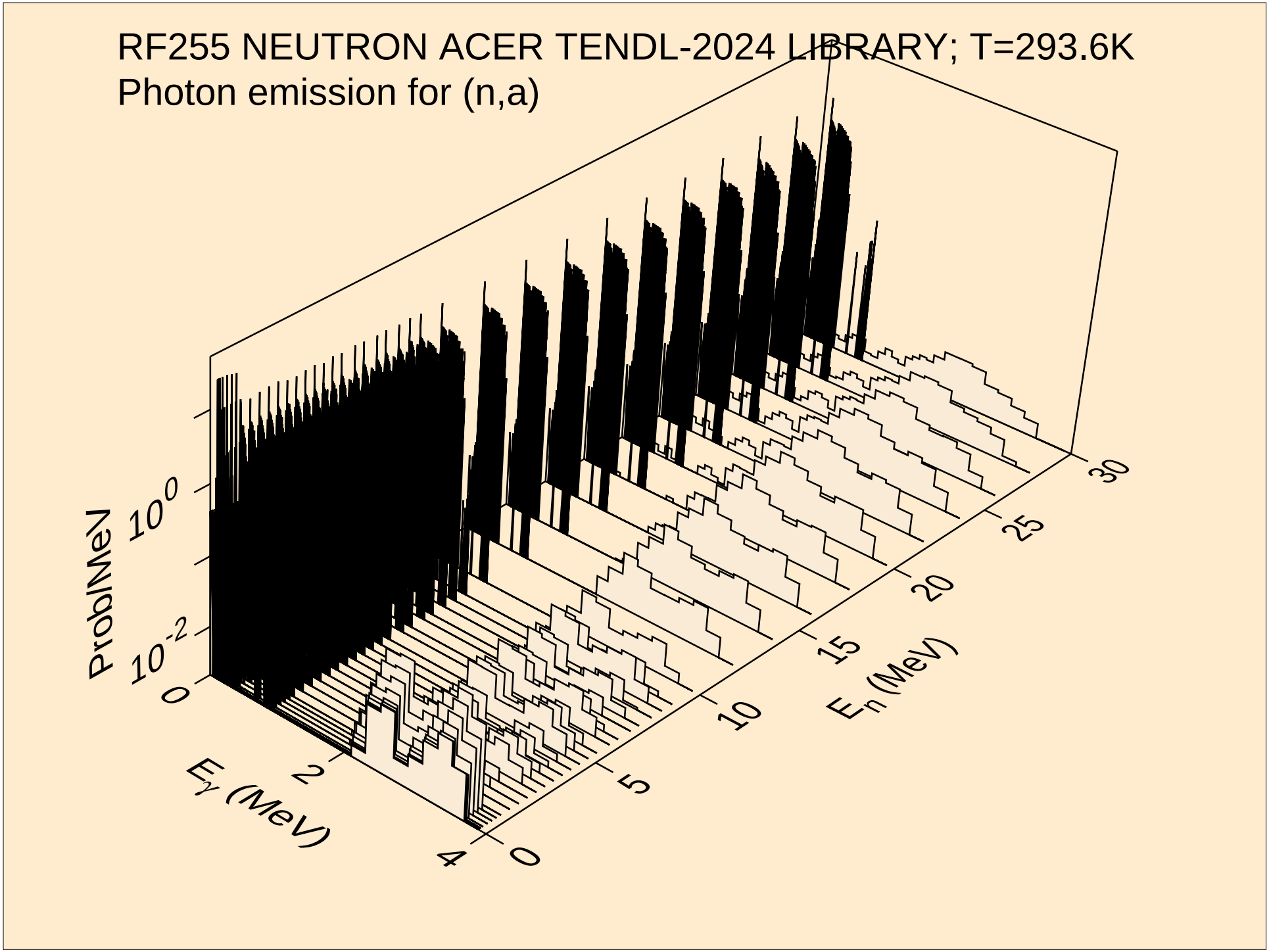

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,gma)
Prob/MeV
10^0
10^-2
0
20
40
Eγ (MeV)
0
5
10
15
20
25
30
En (MeV)

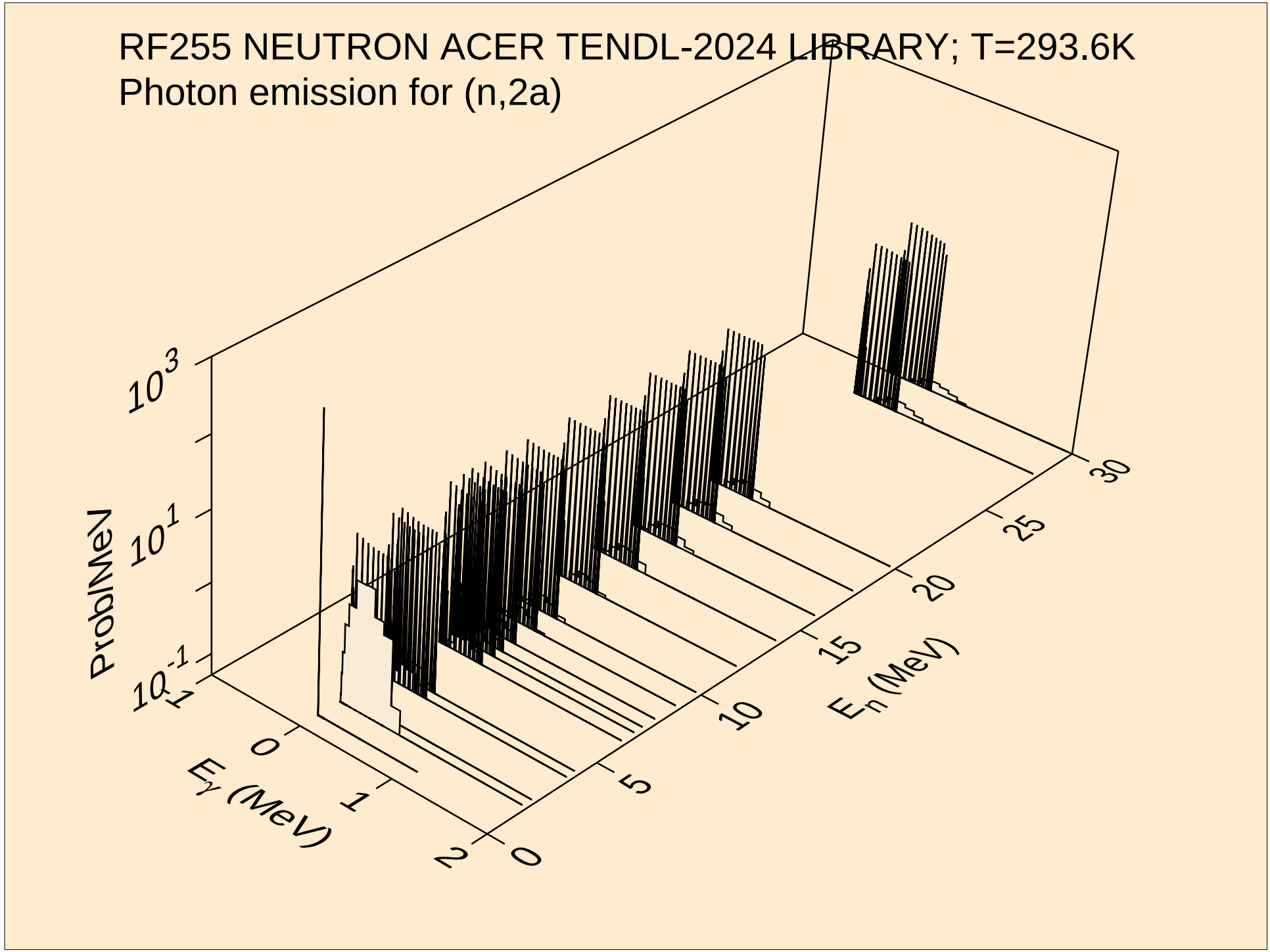

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

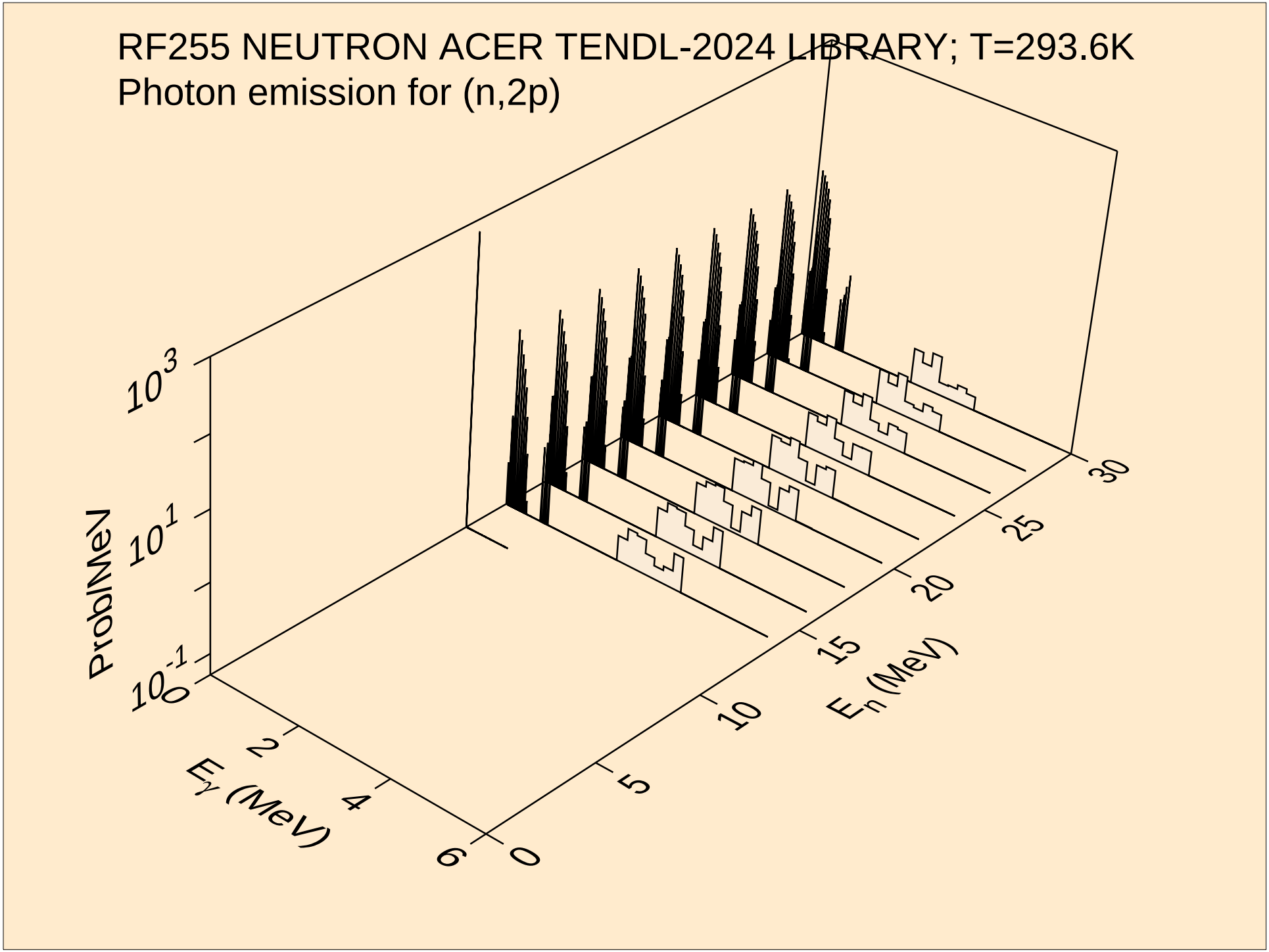

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d)
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
-2
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

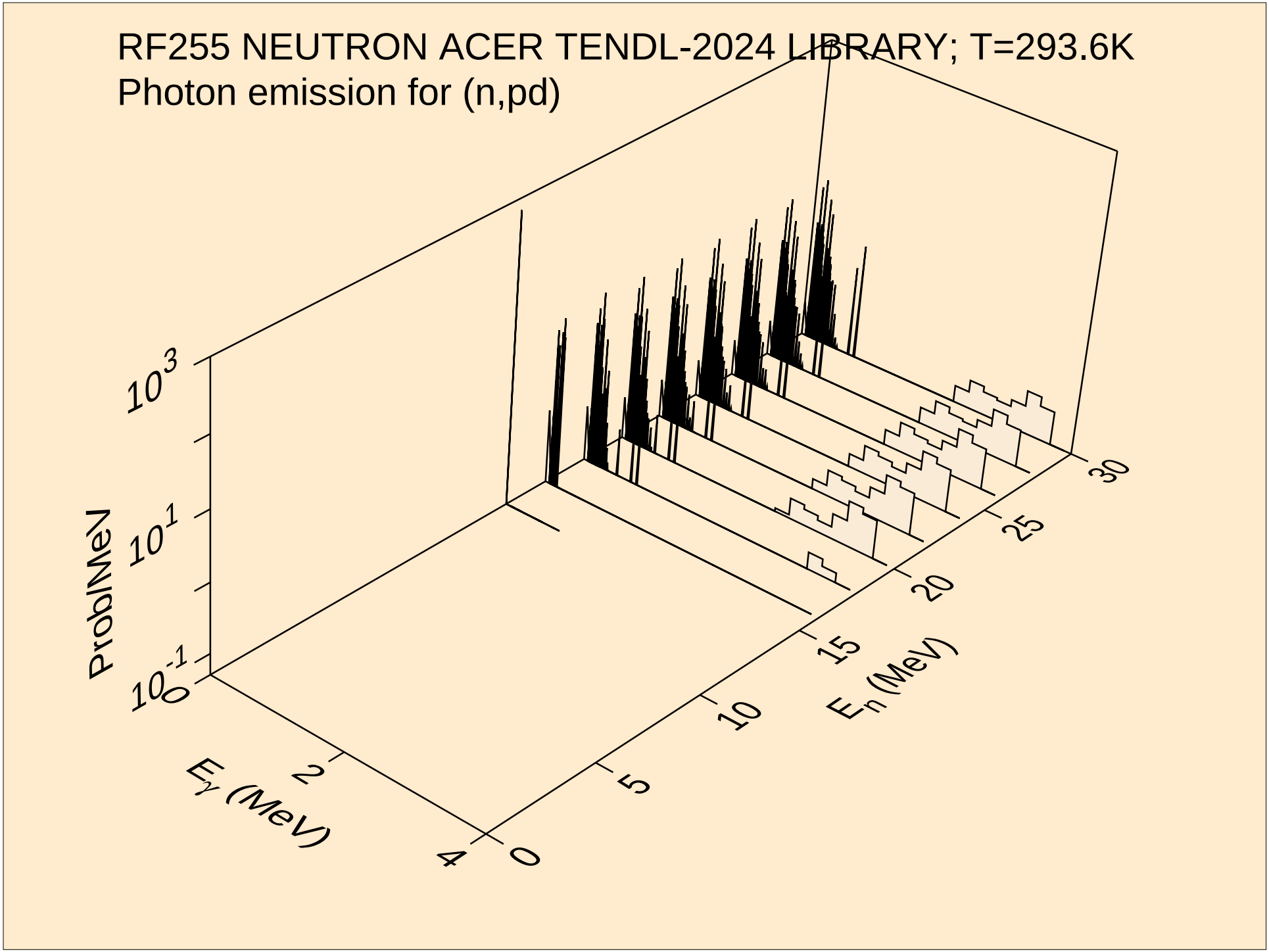

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t)
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
0
2
4
E_n (MeV)
0
5
10
15
20
25
30

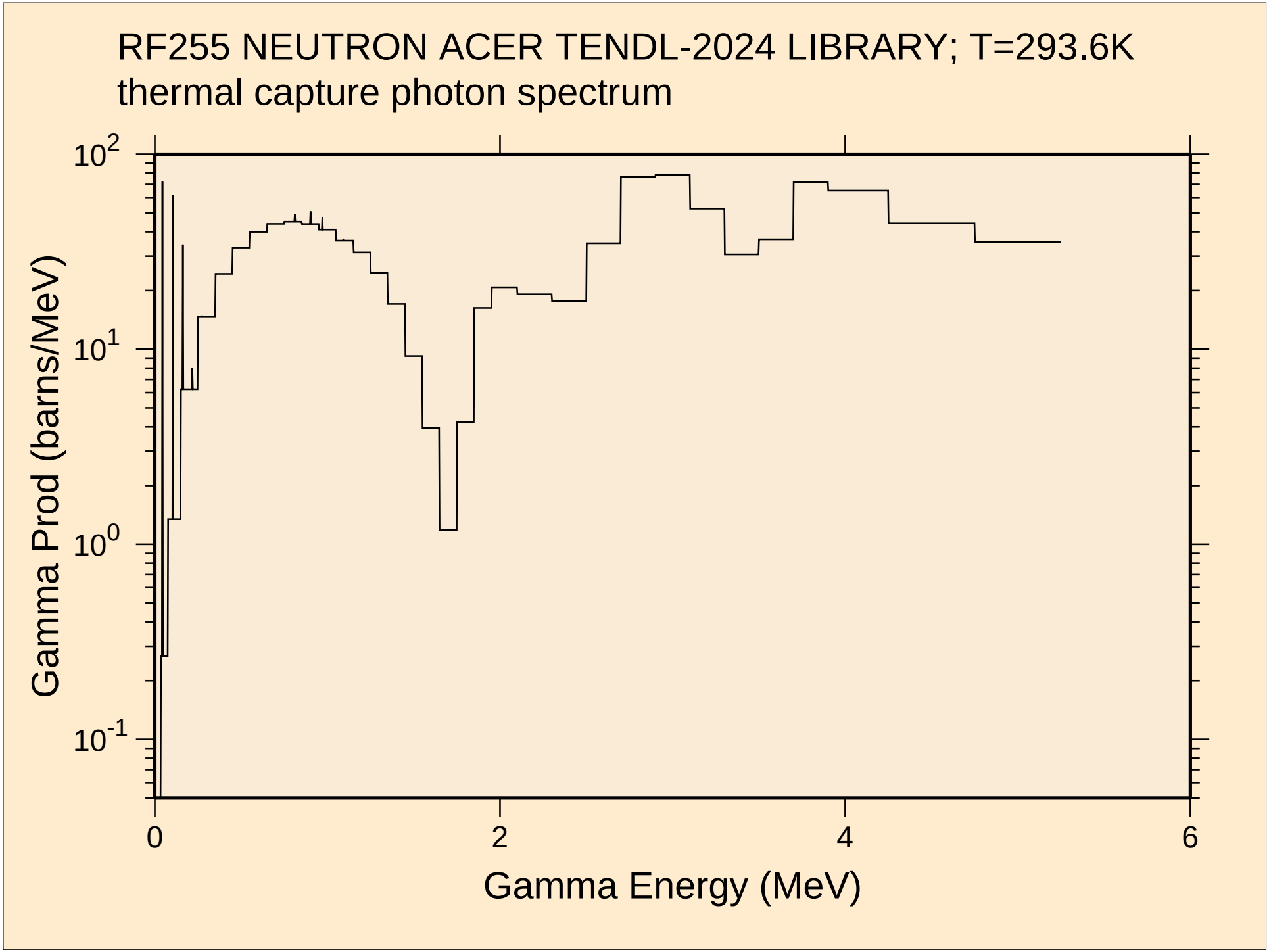

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,he3)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0.0
0.5
1.0
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

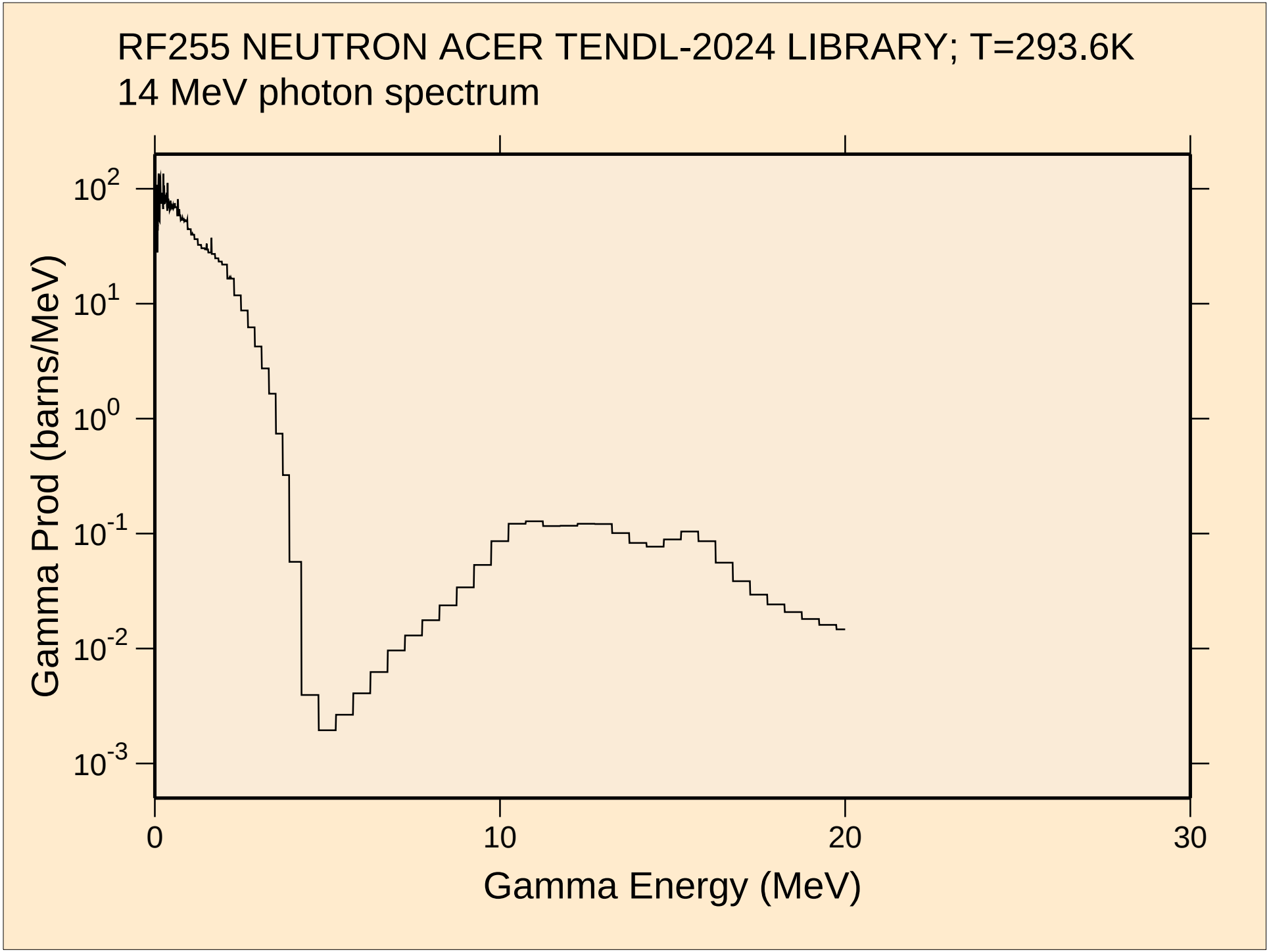

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,a)
Prob/MeV
10^0
10^-2
0
2
4
Eγ (MeV)
0
5
10
15
20
25
30
En (MeV)

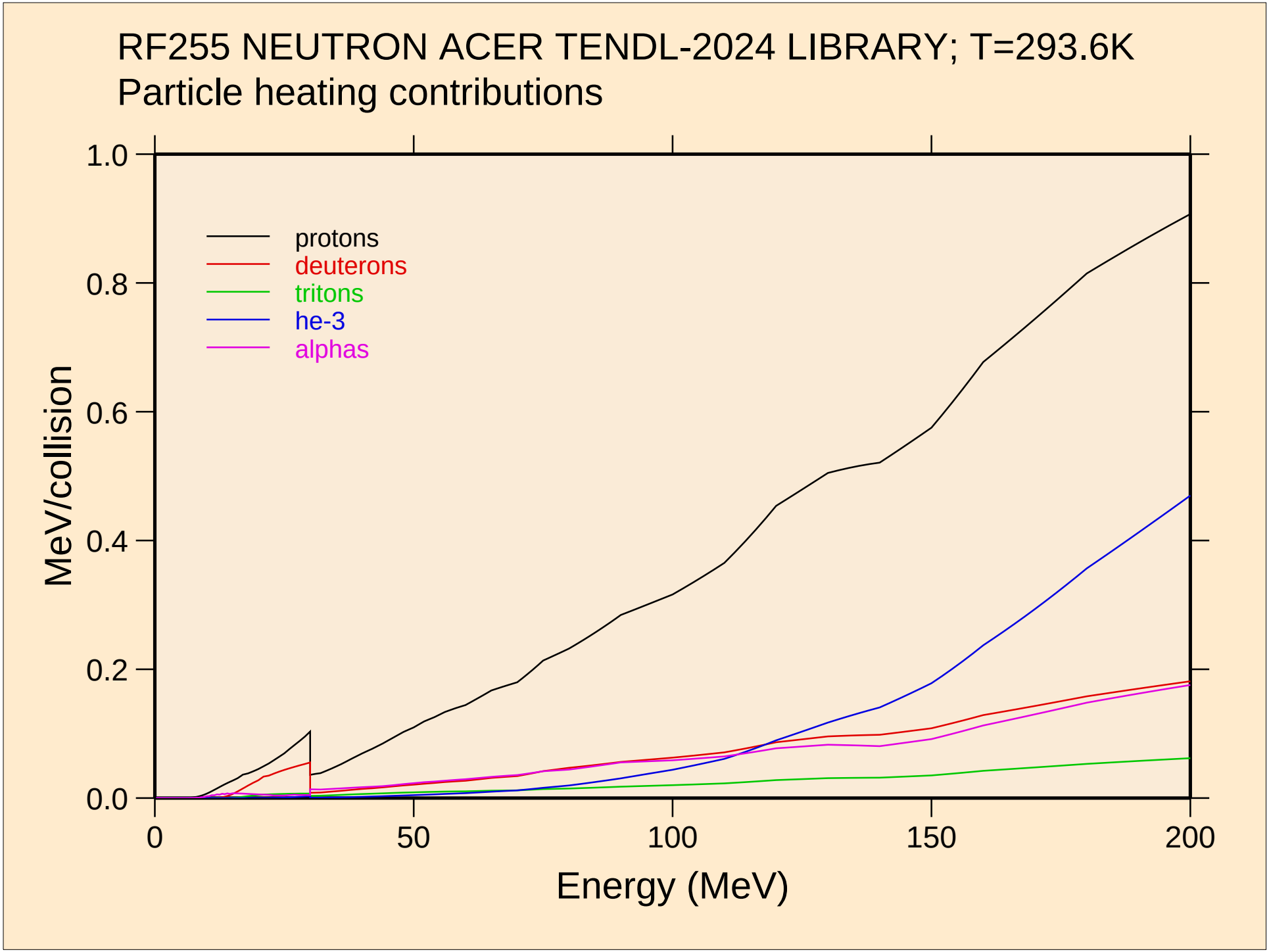

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2a)
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
0
1
2
E_n (MeV)
0
5
10
15
20
25
30

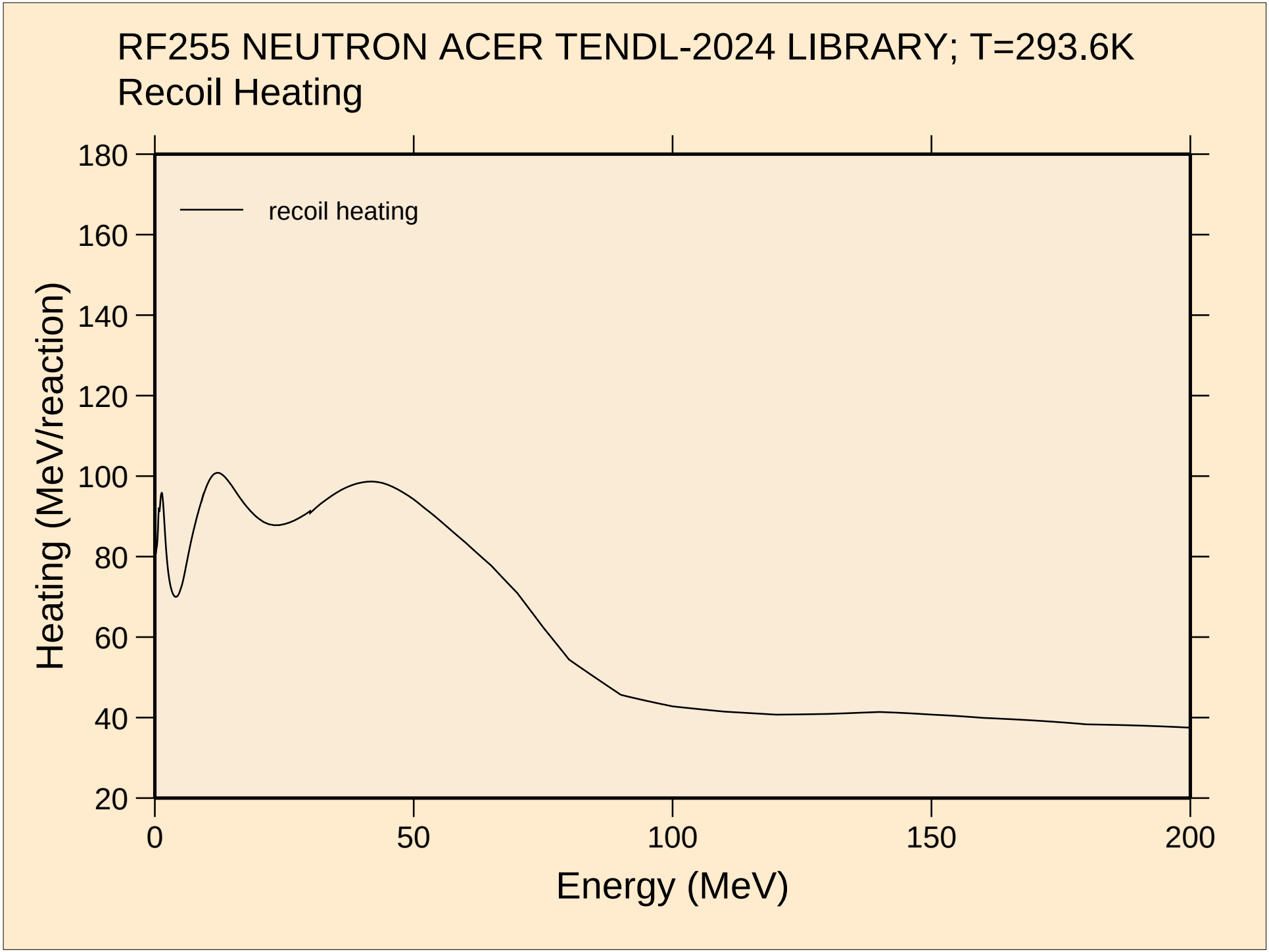

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2p)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
6
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

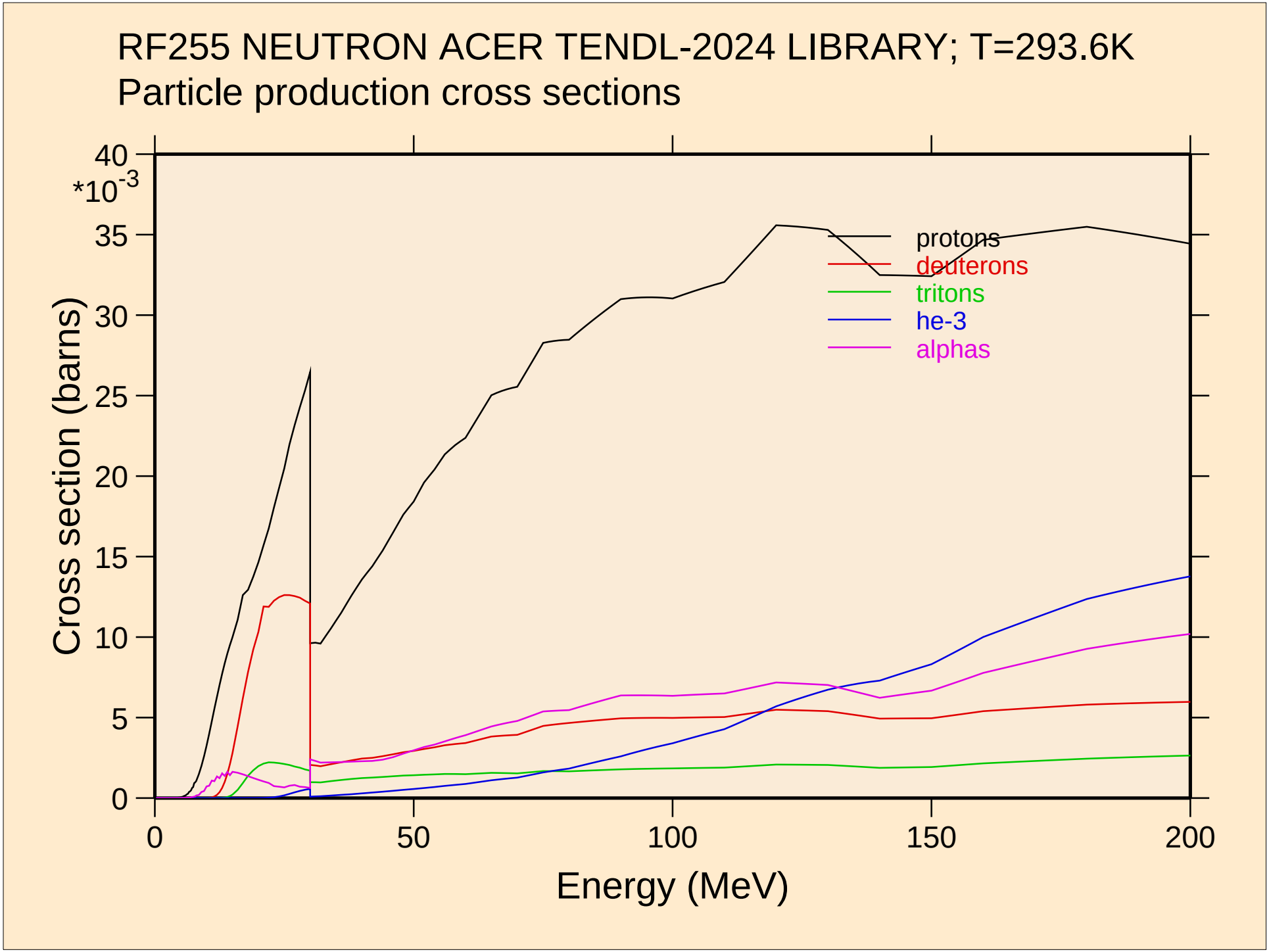

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pd)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

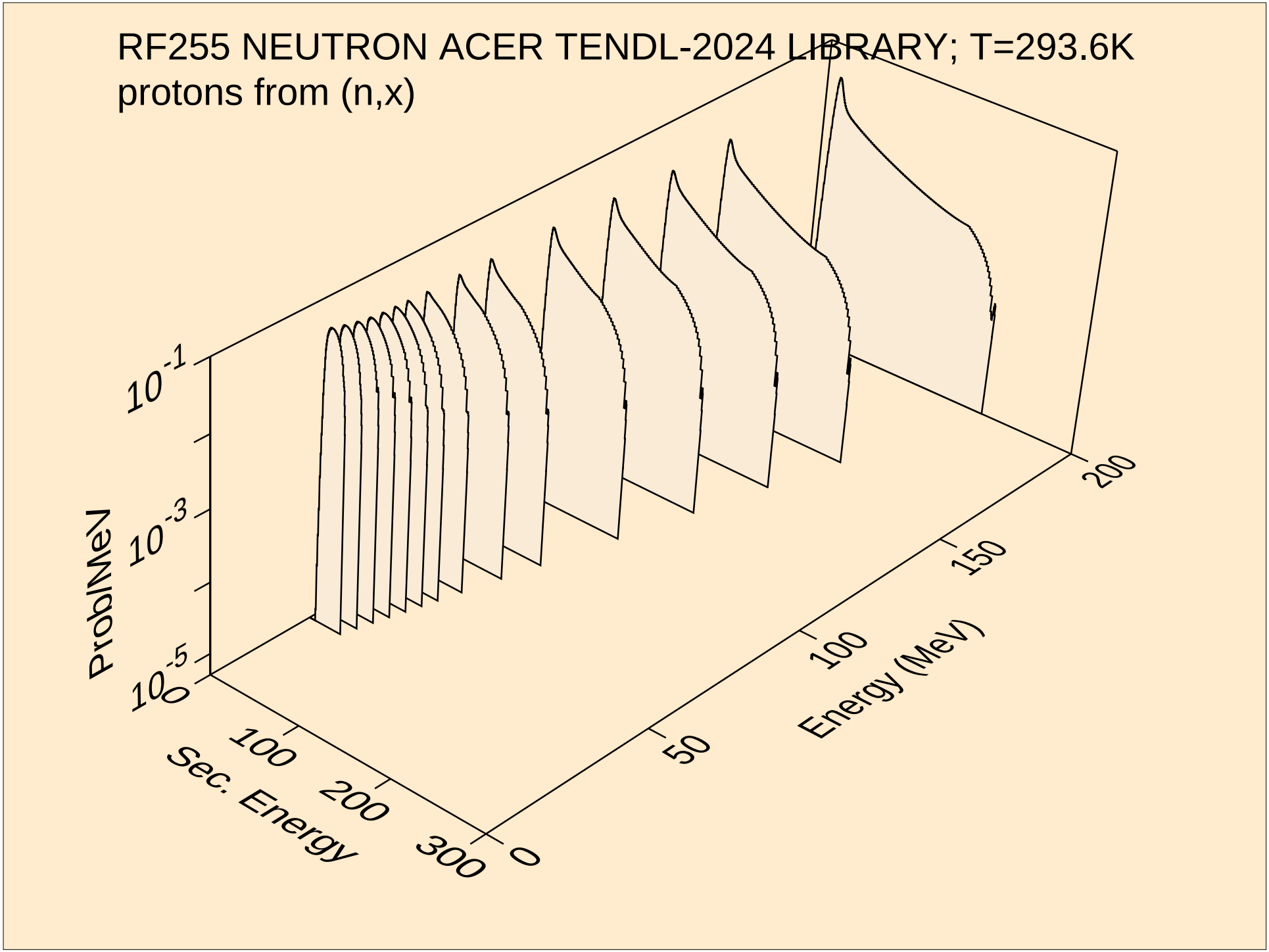

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum
Gamma Prod (barns/MeV)
10^2
10^1
10^0
10^-1
0
2
4
6
Gamma Energy (MeV)

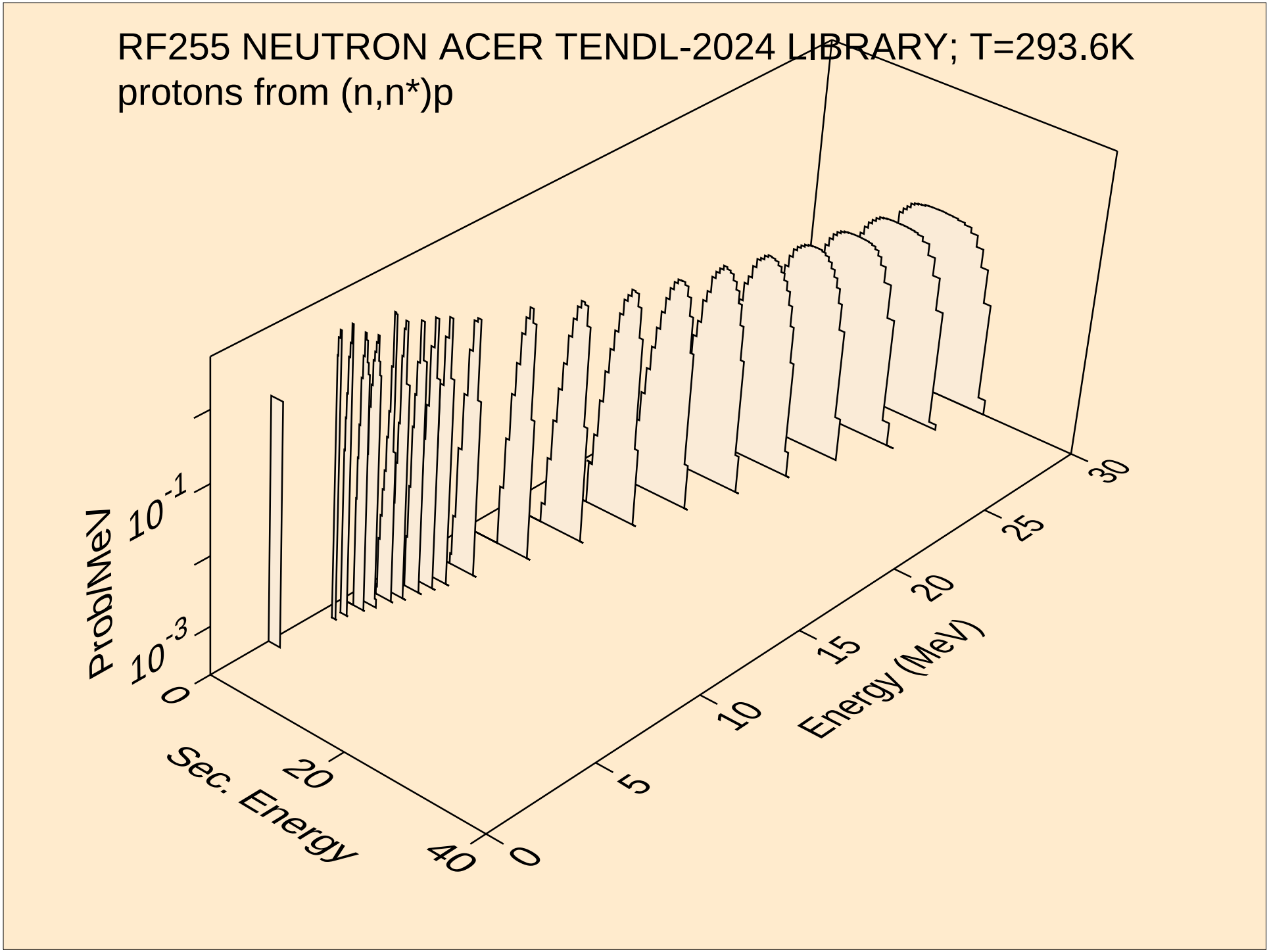

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^2
10^1
10^0
10^-1
10^-2
10^-3
0
10
20
30
Gamma Energy (MeV)

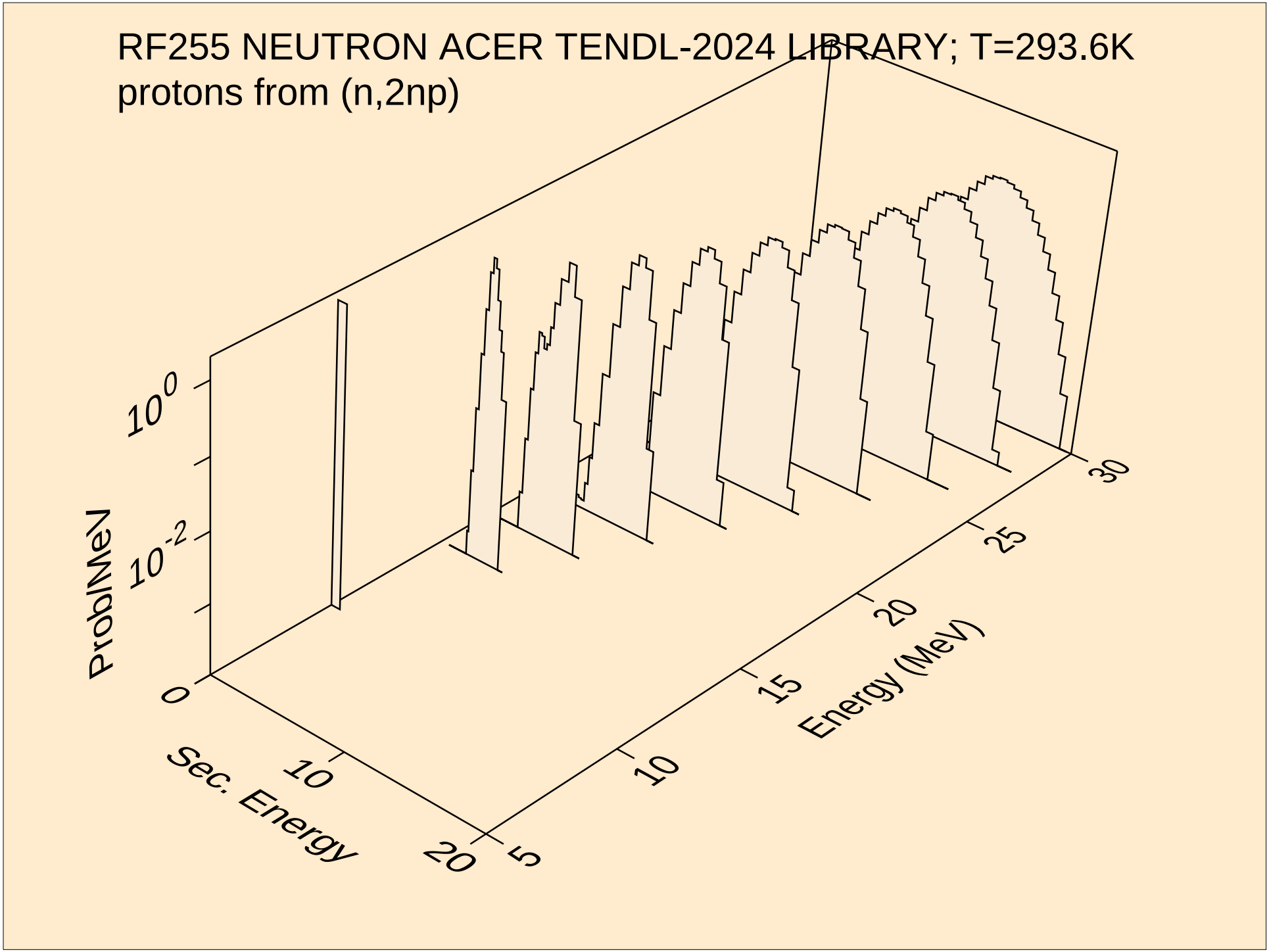

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle heating contributions
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200

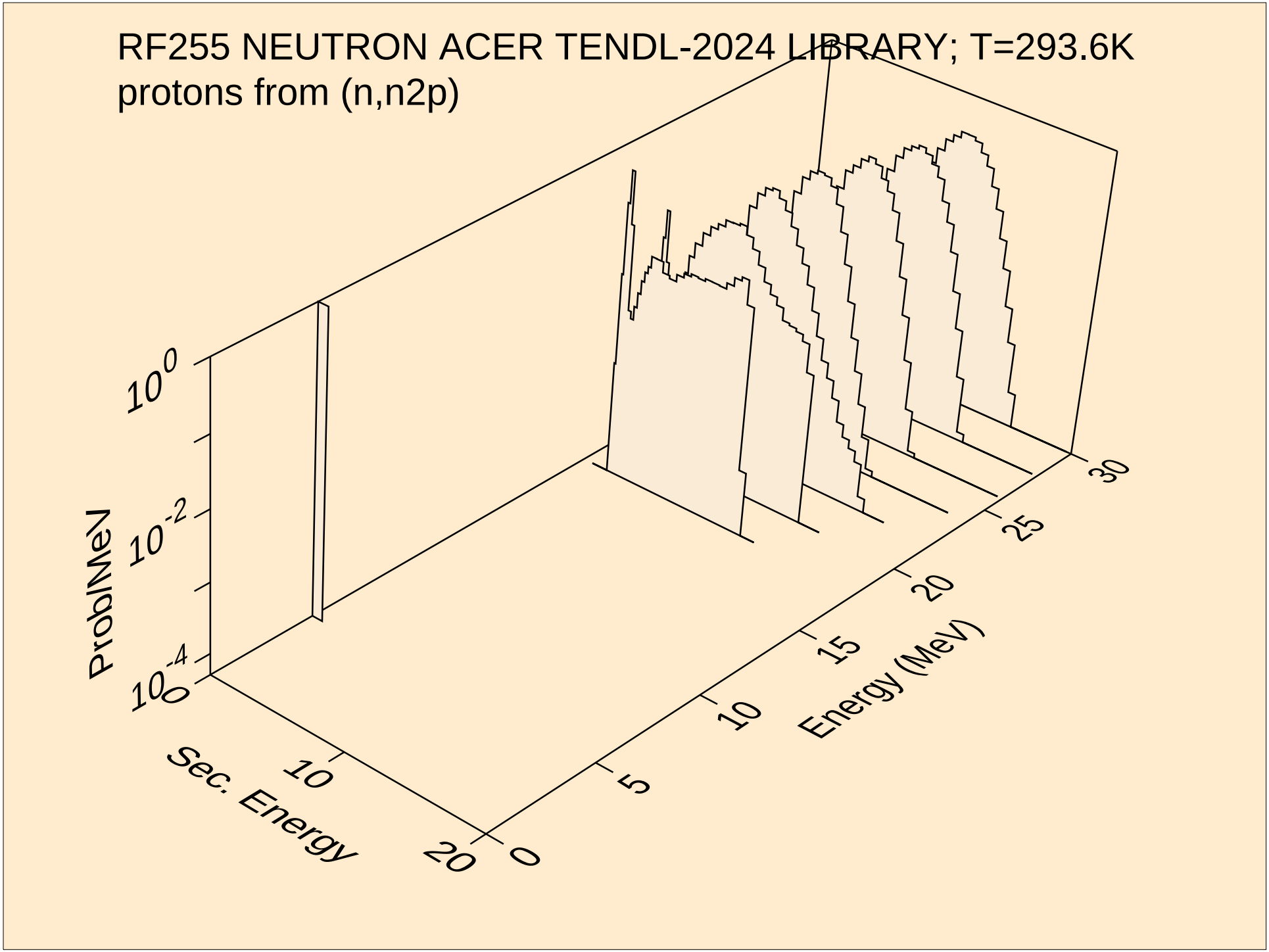

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
180
160
140
120
100
80
60
40
20
0
50
100
150
200

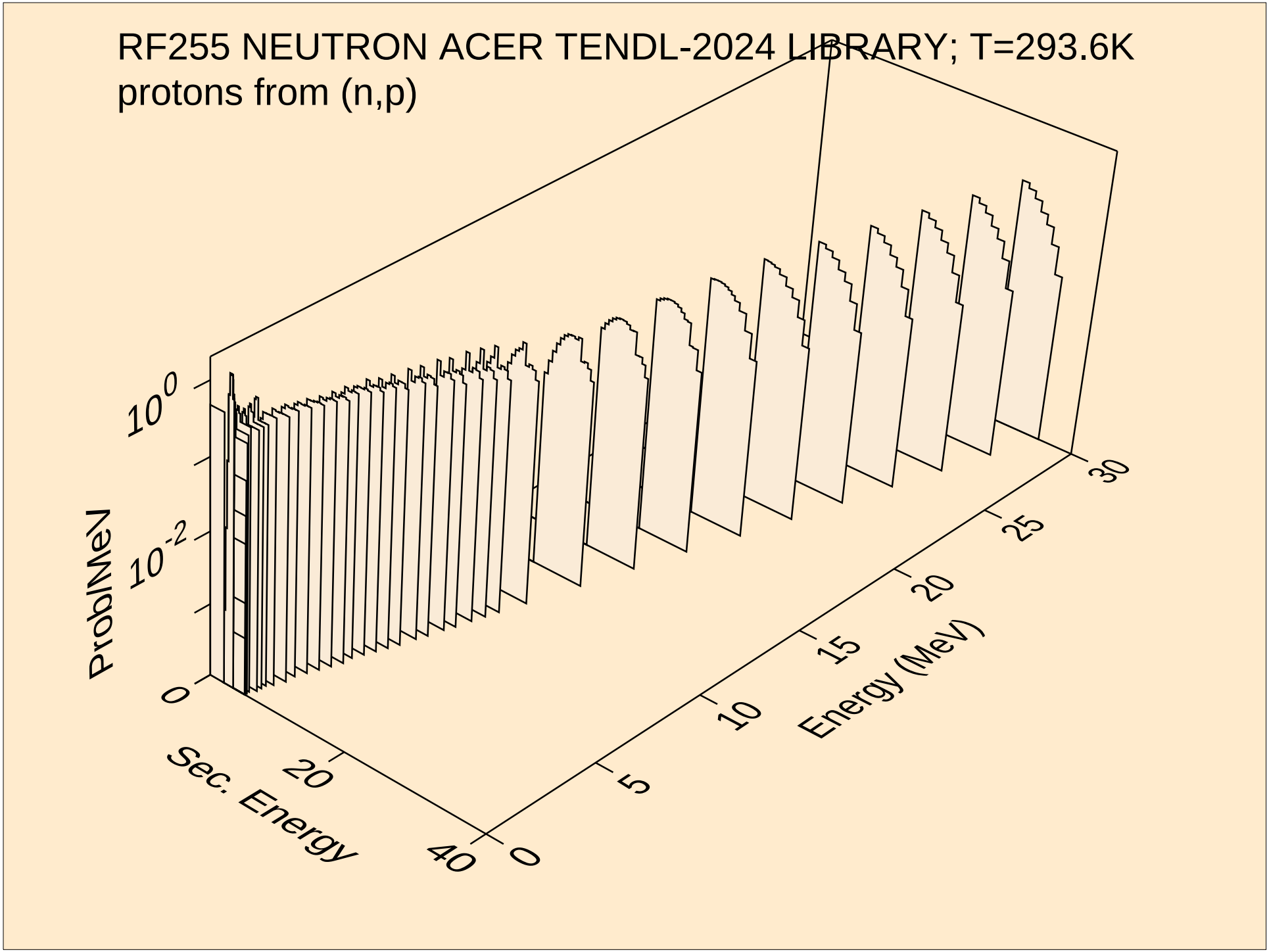

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle production cross sections
Cross section (barns)
*10-3
40
35
30
25
20
15
10
5
0
0
50
100
150
200
Energy (MeV)
protons
deuterons
tritons
he-3
alphas

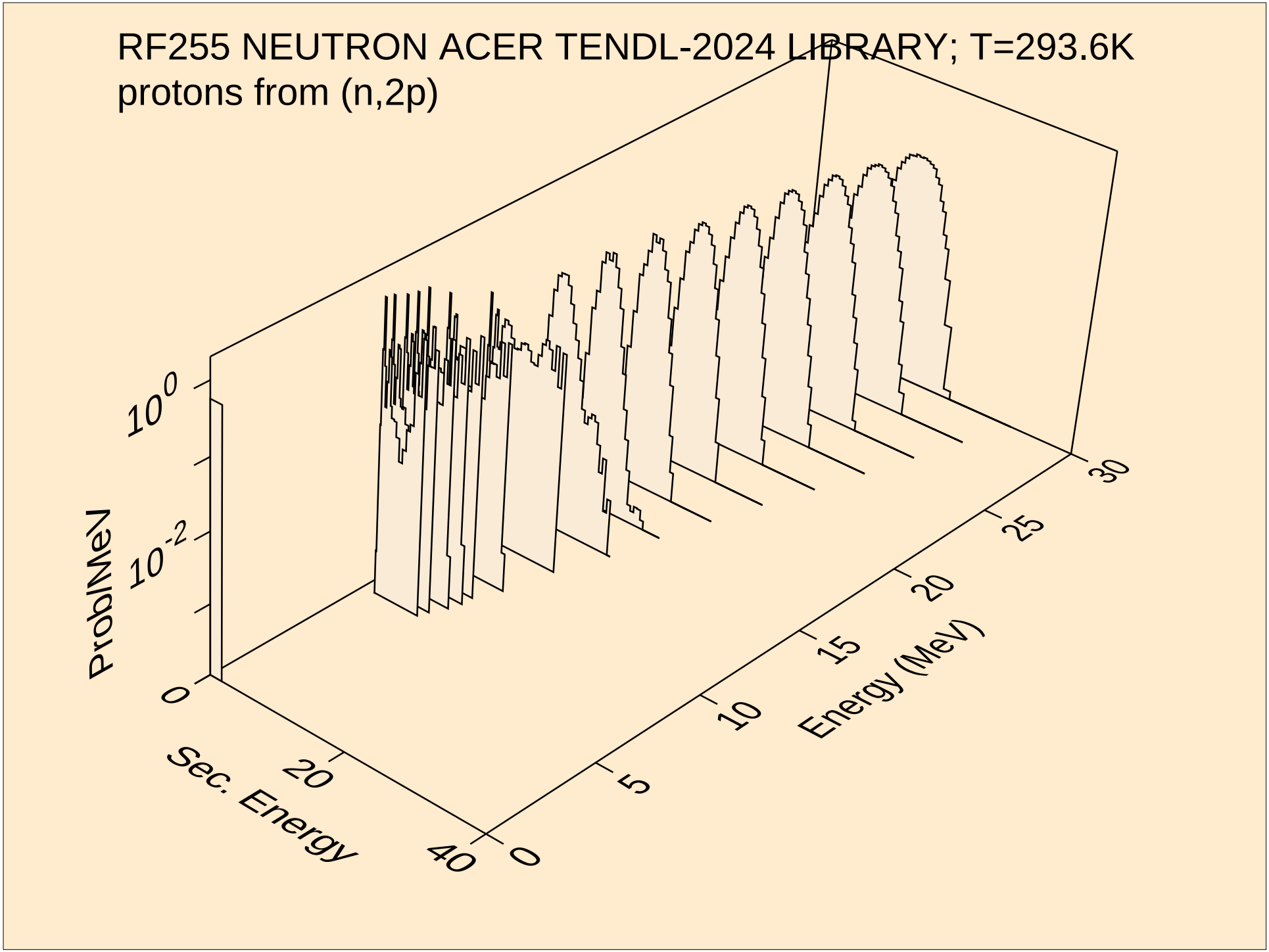

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
300
Sec. Energy
0
50
100
150
200
Energy (MeV)

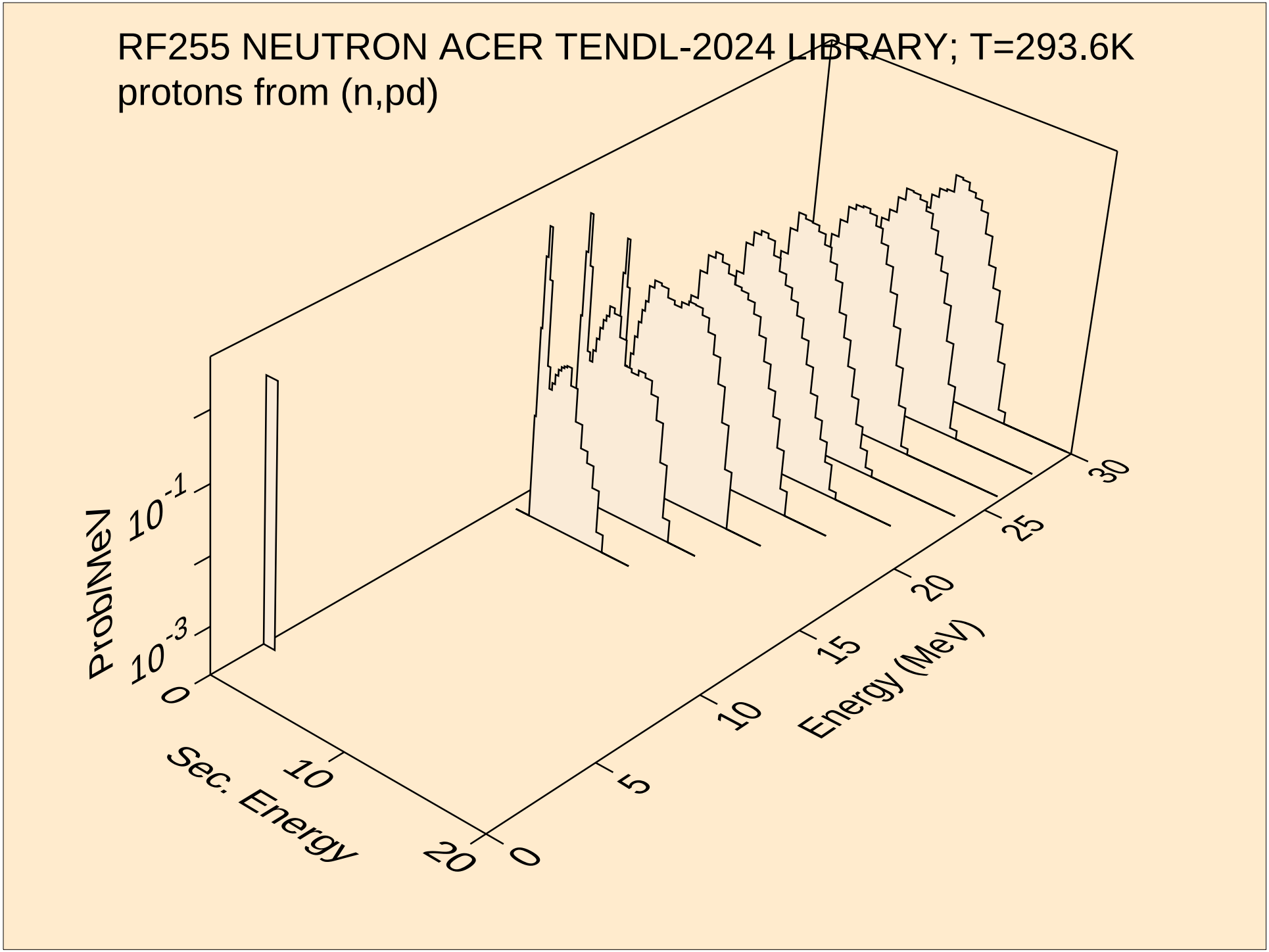

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

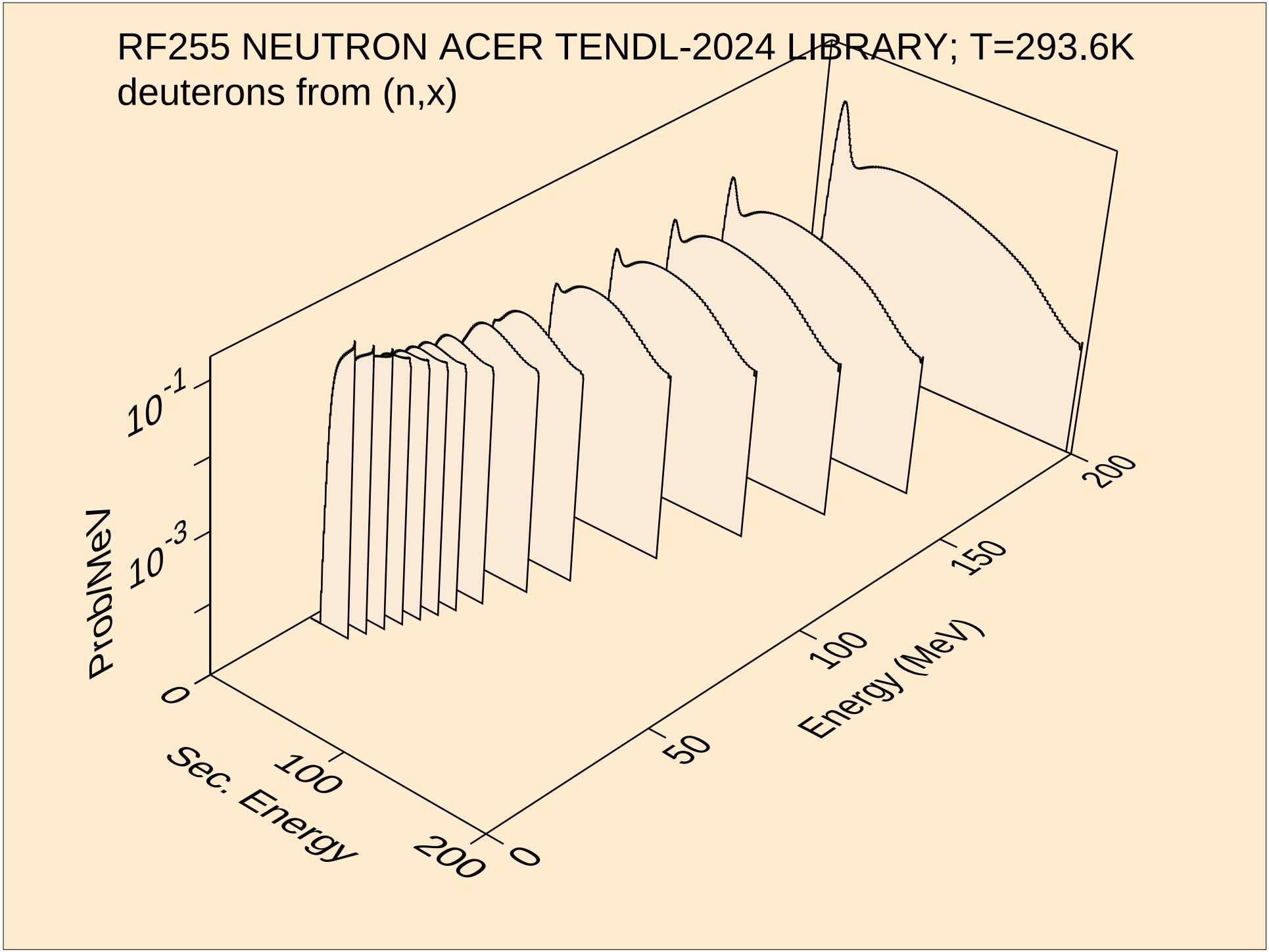

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2np)
Prob/MeV
10^0
10^-2
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

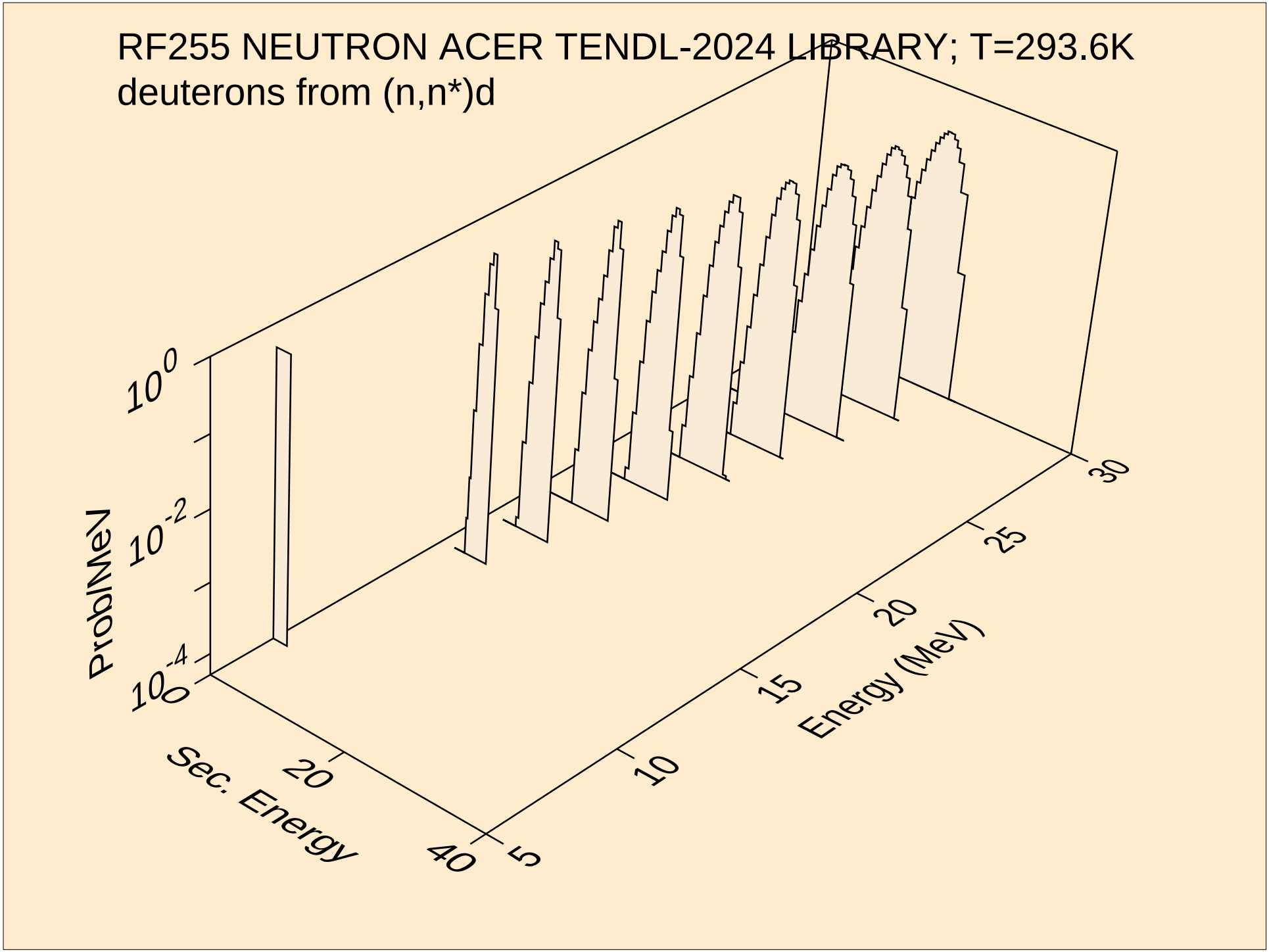

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n2p)
Prob/MeV
10^0
10^-2
10^-4
0
10
20
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

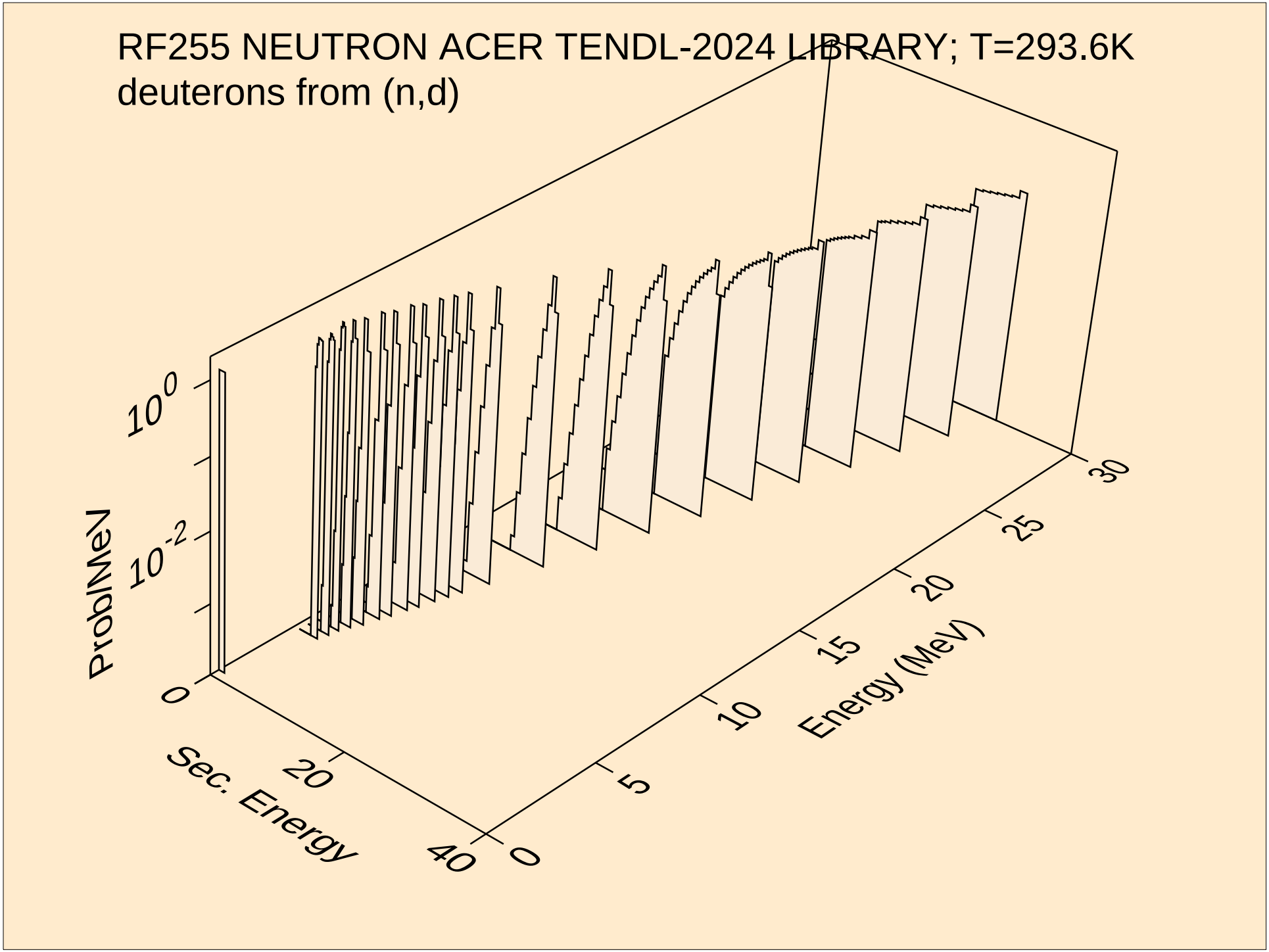

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,p)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

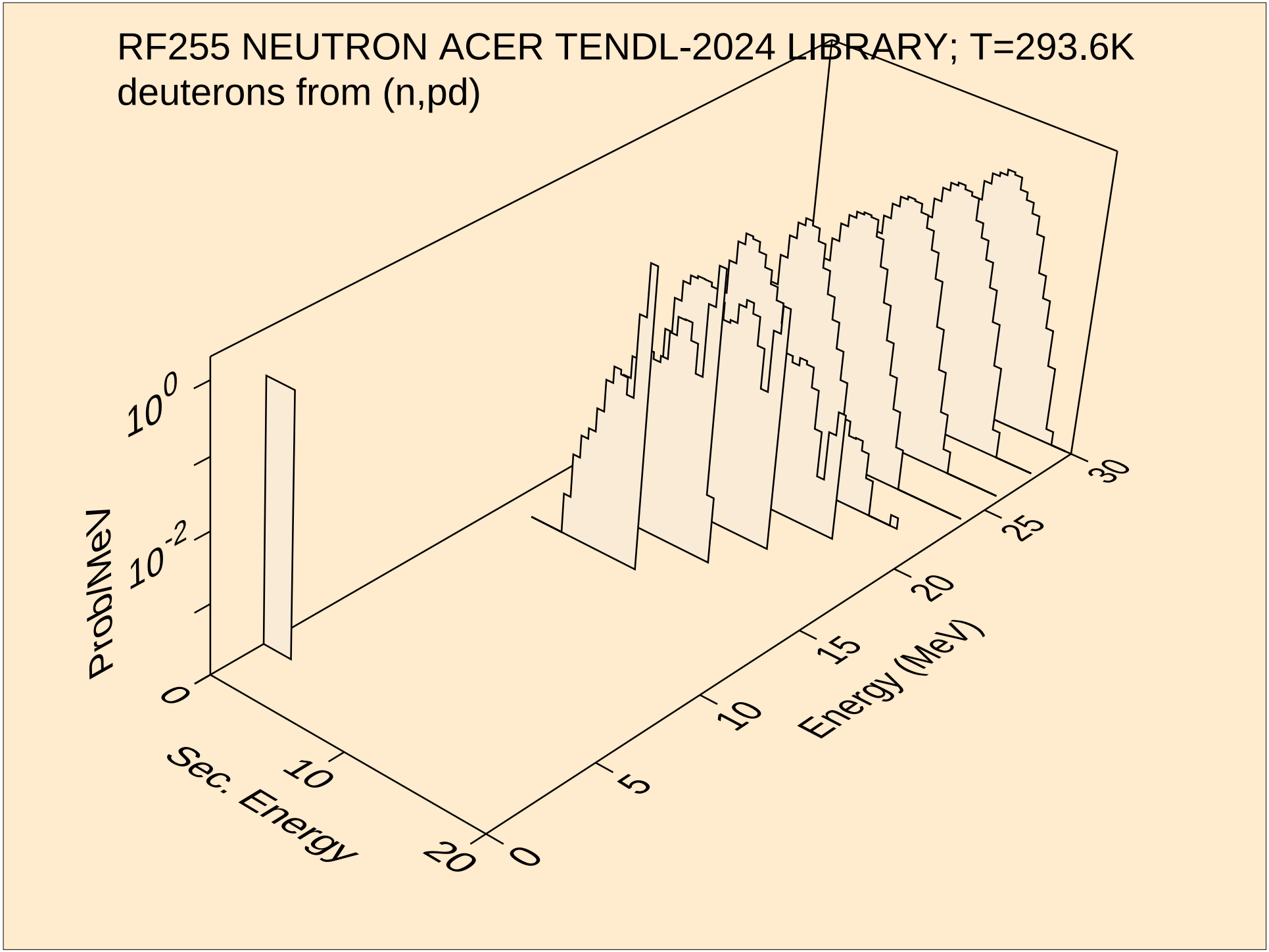

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2p)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

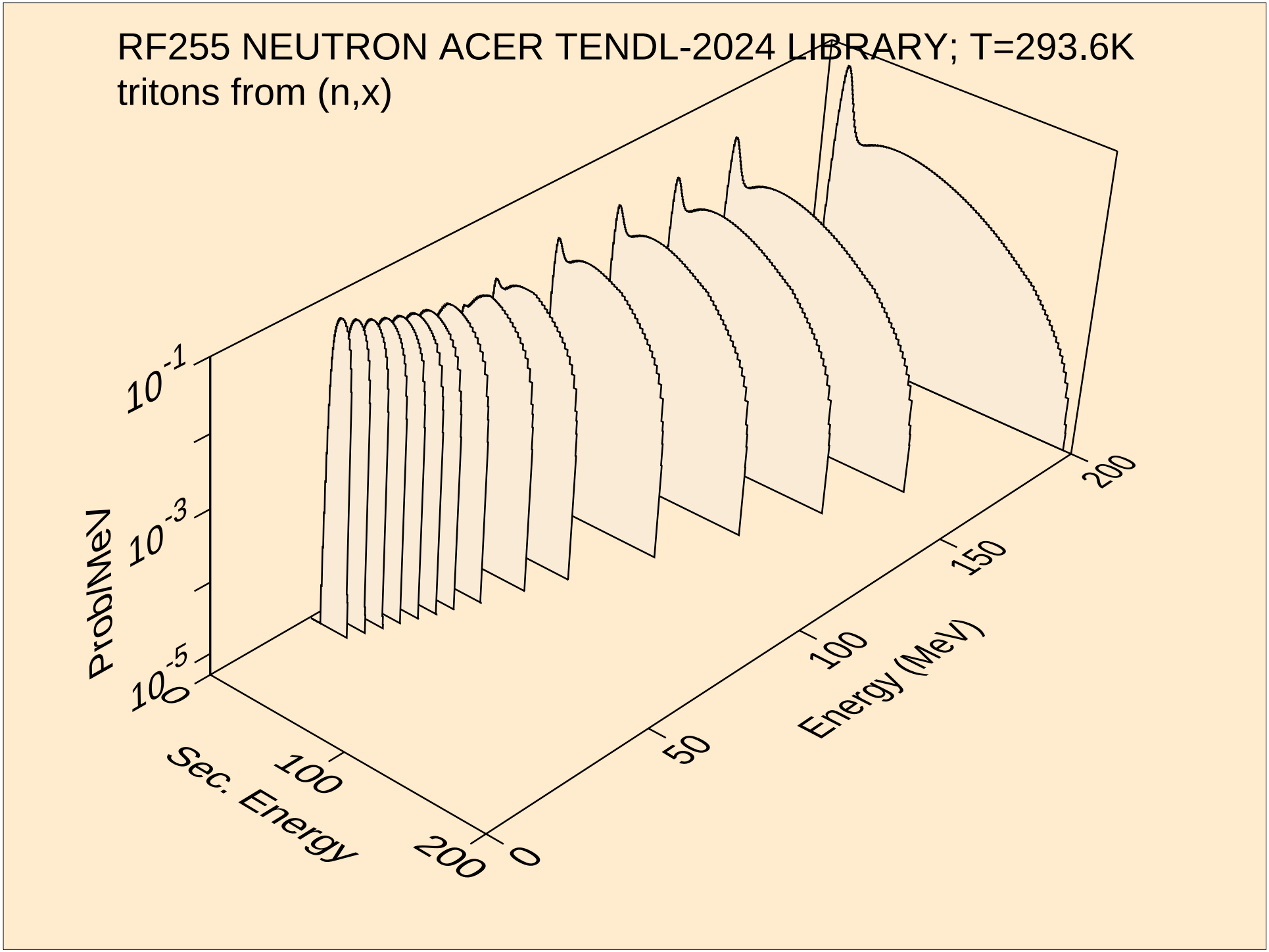

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,pd)
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
0
5
10
15
20
25
30
Energy (MeV)

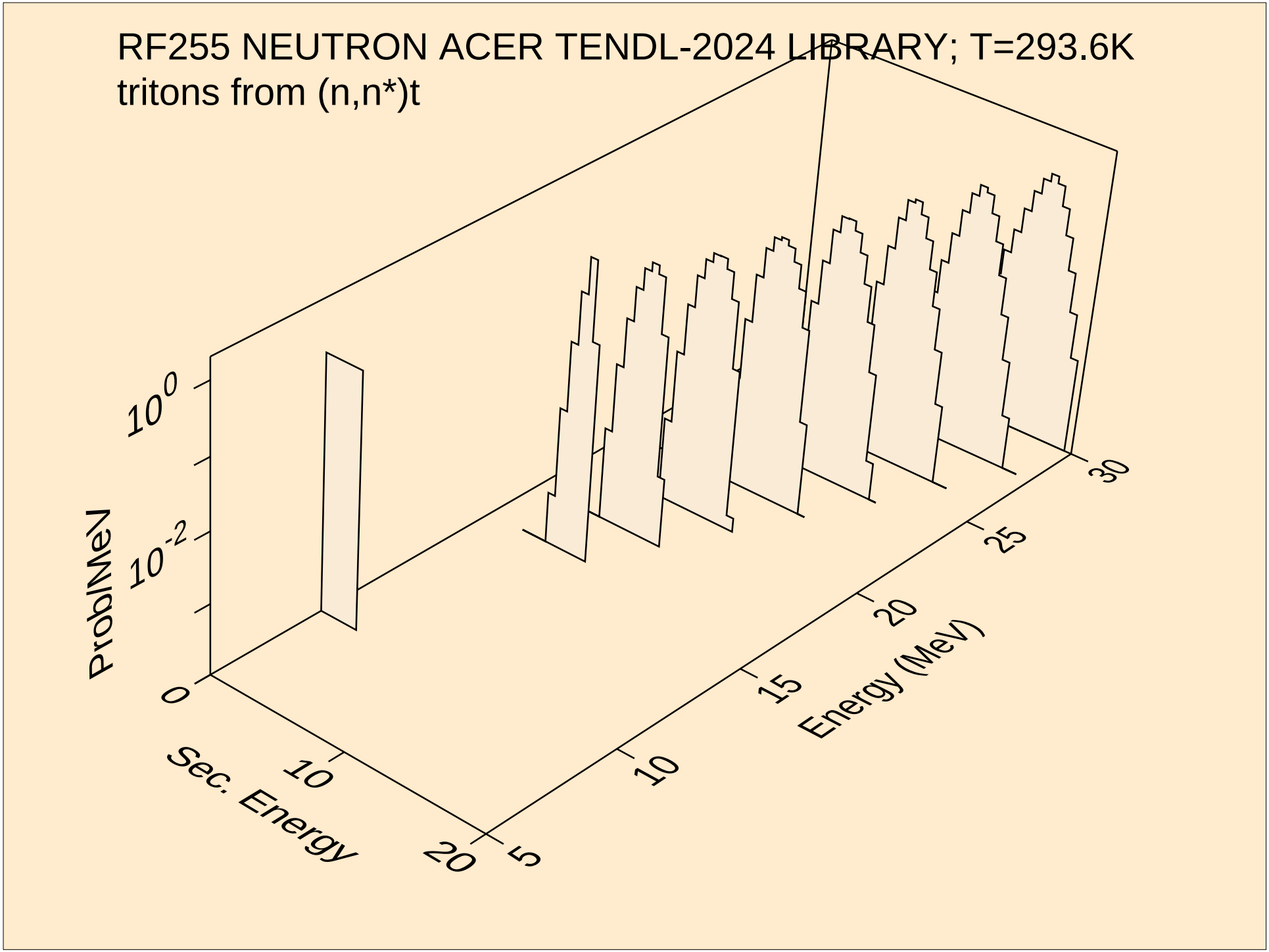

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

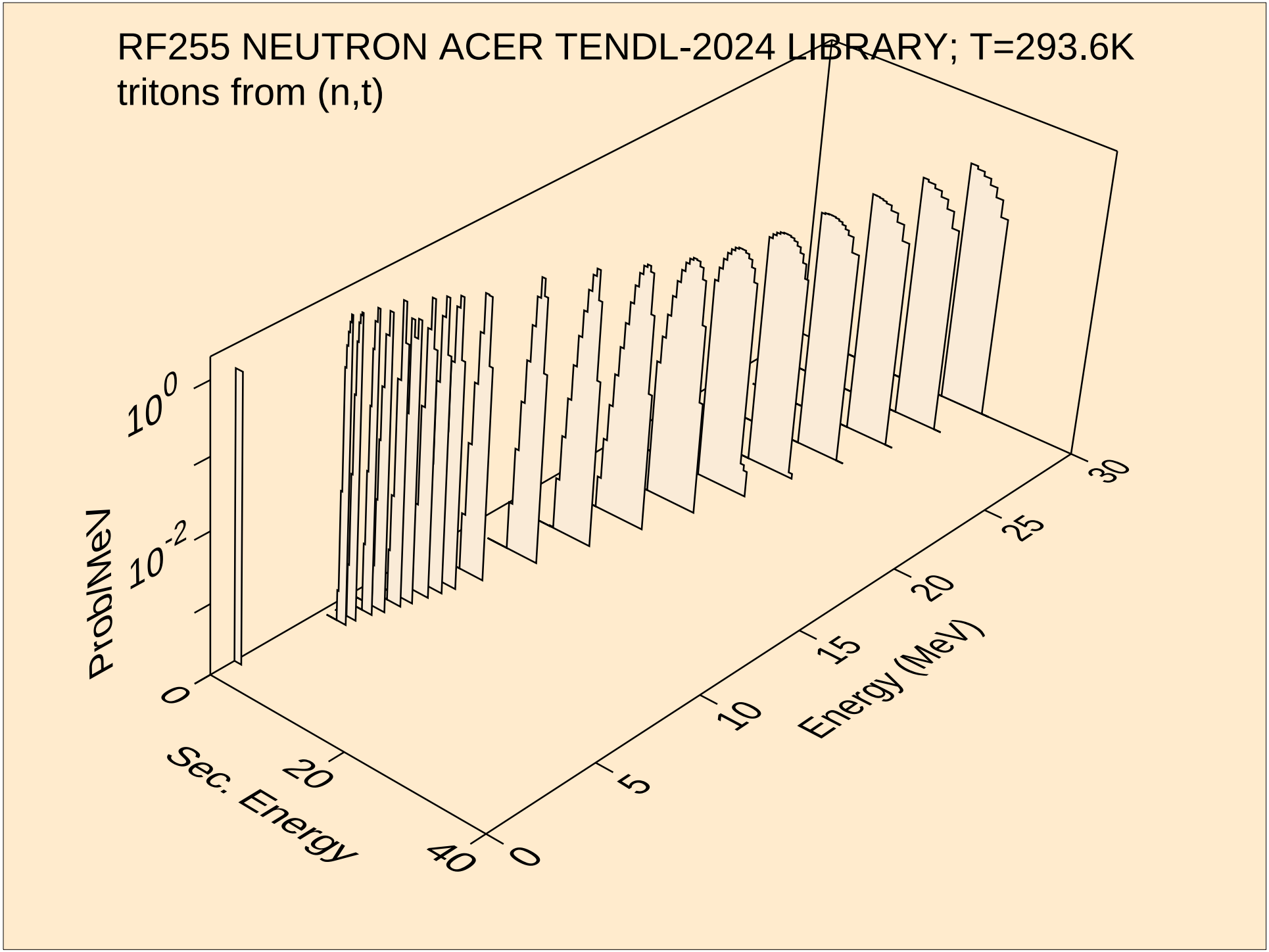

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d
Prob/MeV
10^0
10^-2
10^-4
0
Sec. Energy
20
40
5
10
15
Energy (MeV)
20
25
30

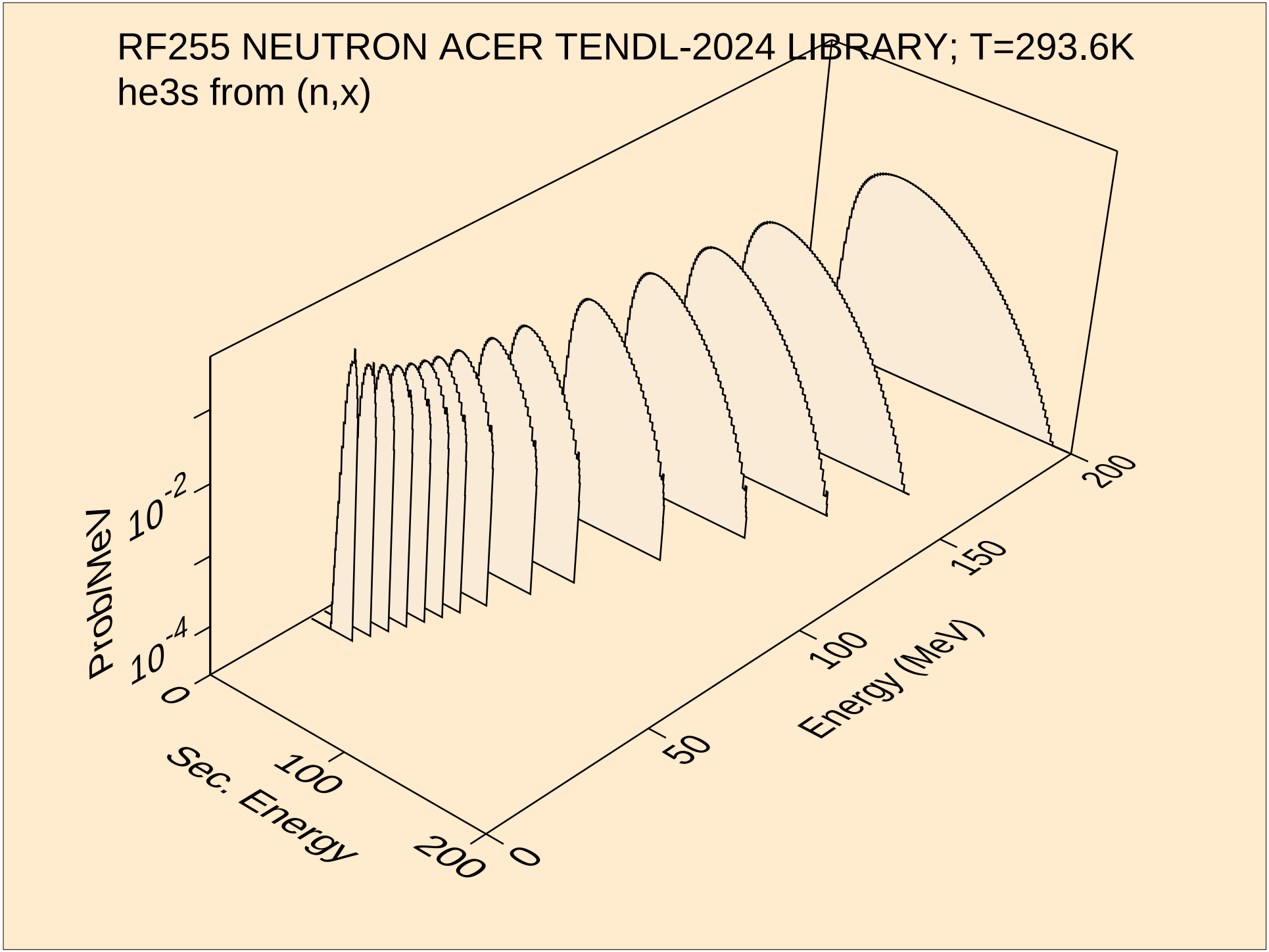

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,d)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

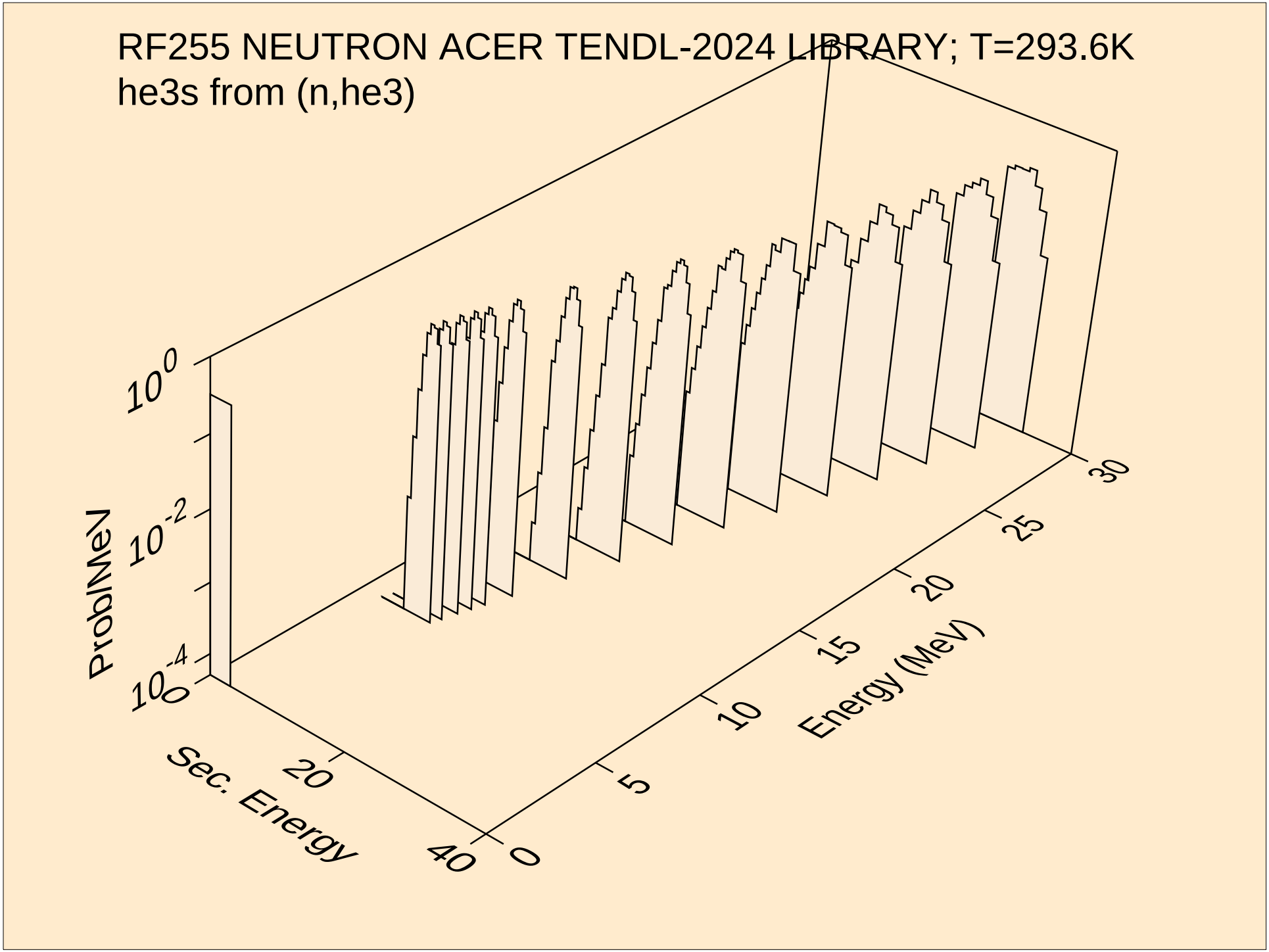

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,pd)
Prob/MeV
10^0
10^-2
0
Sec. Energy
10
20
0
5
10
15
20
25
30
Energy (MeV)

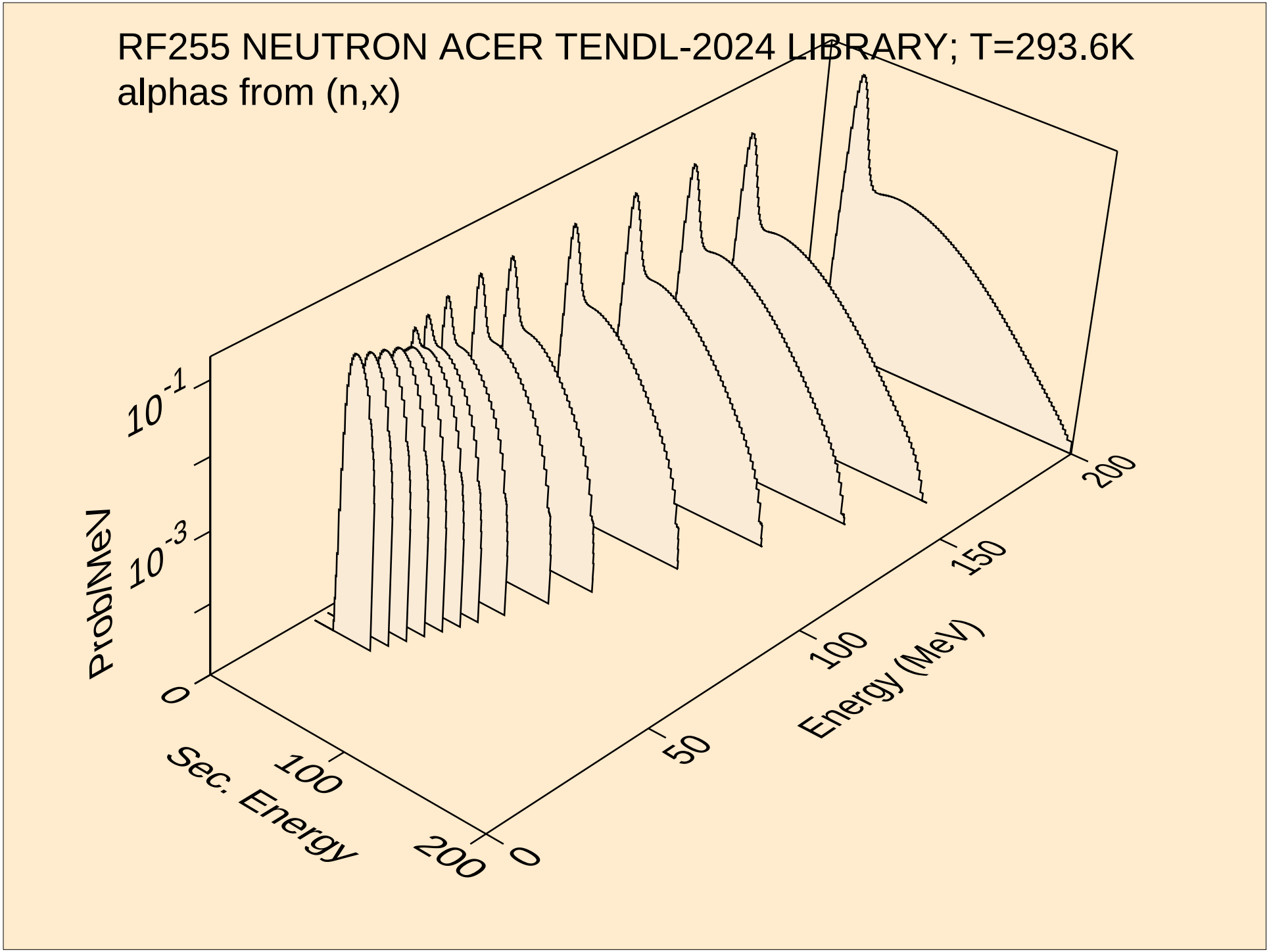

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

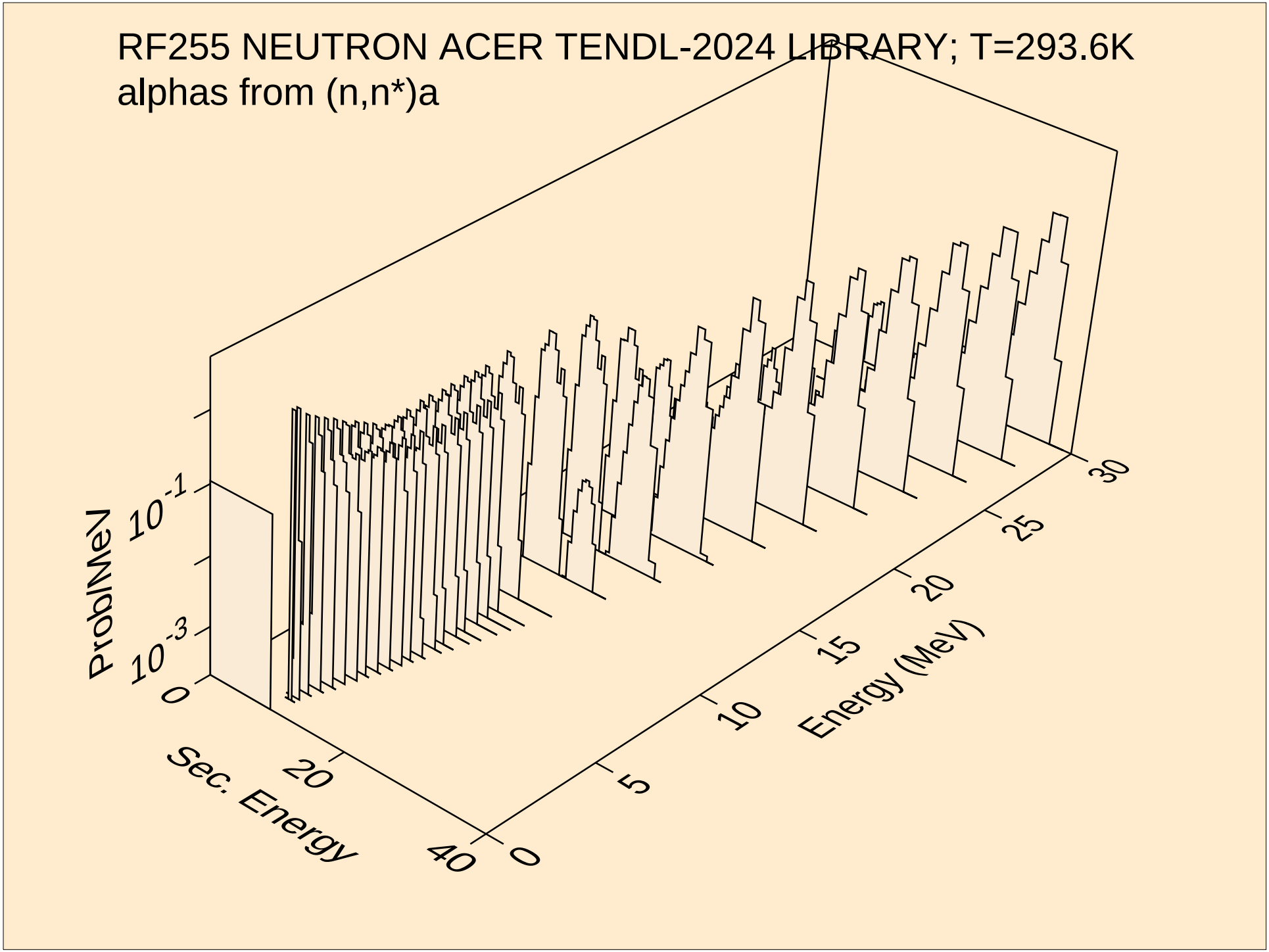

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,n*)t
Prob/MeV
10^0
10^-2
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

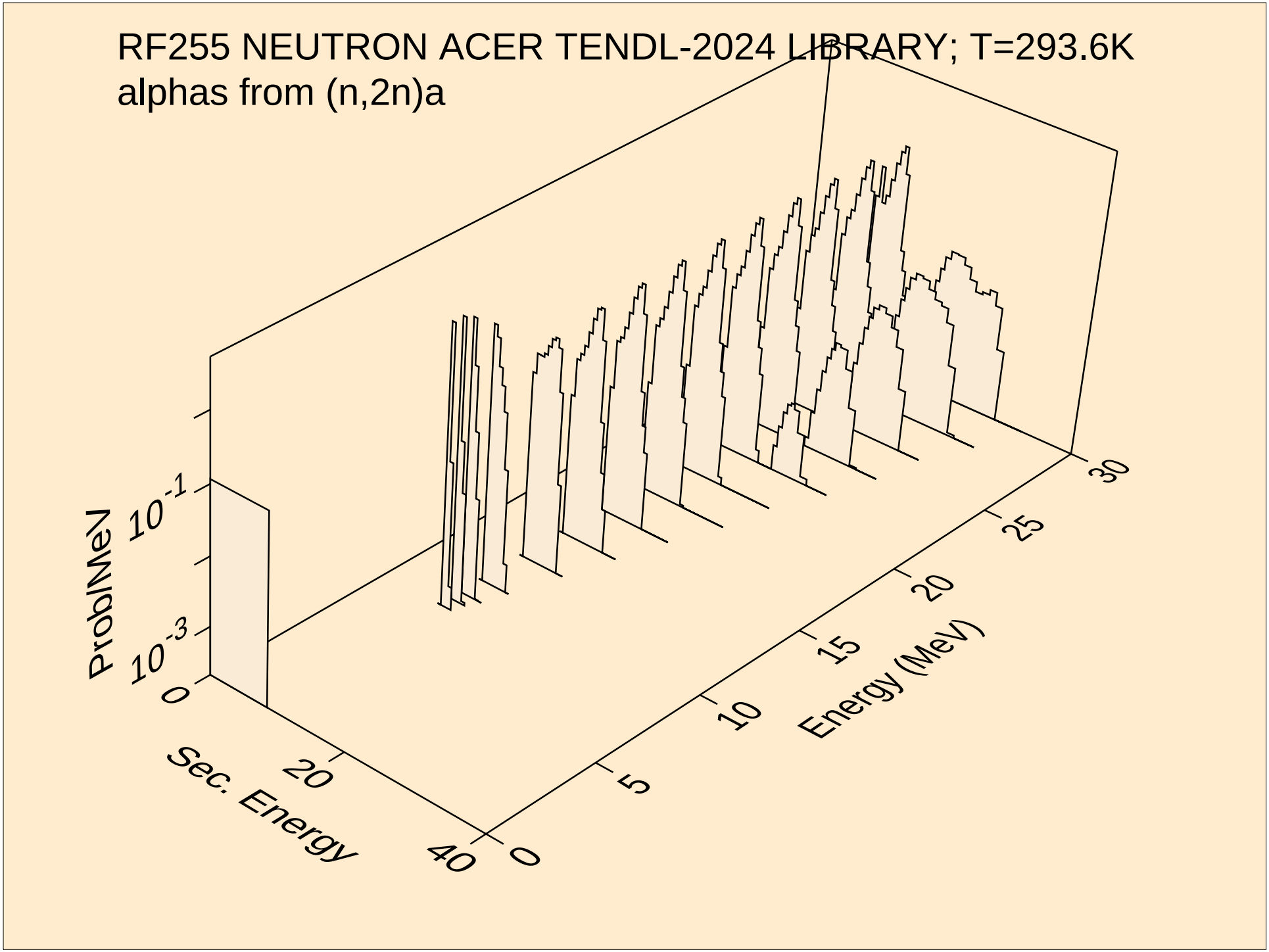

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,t)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

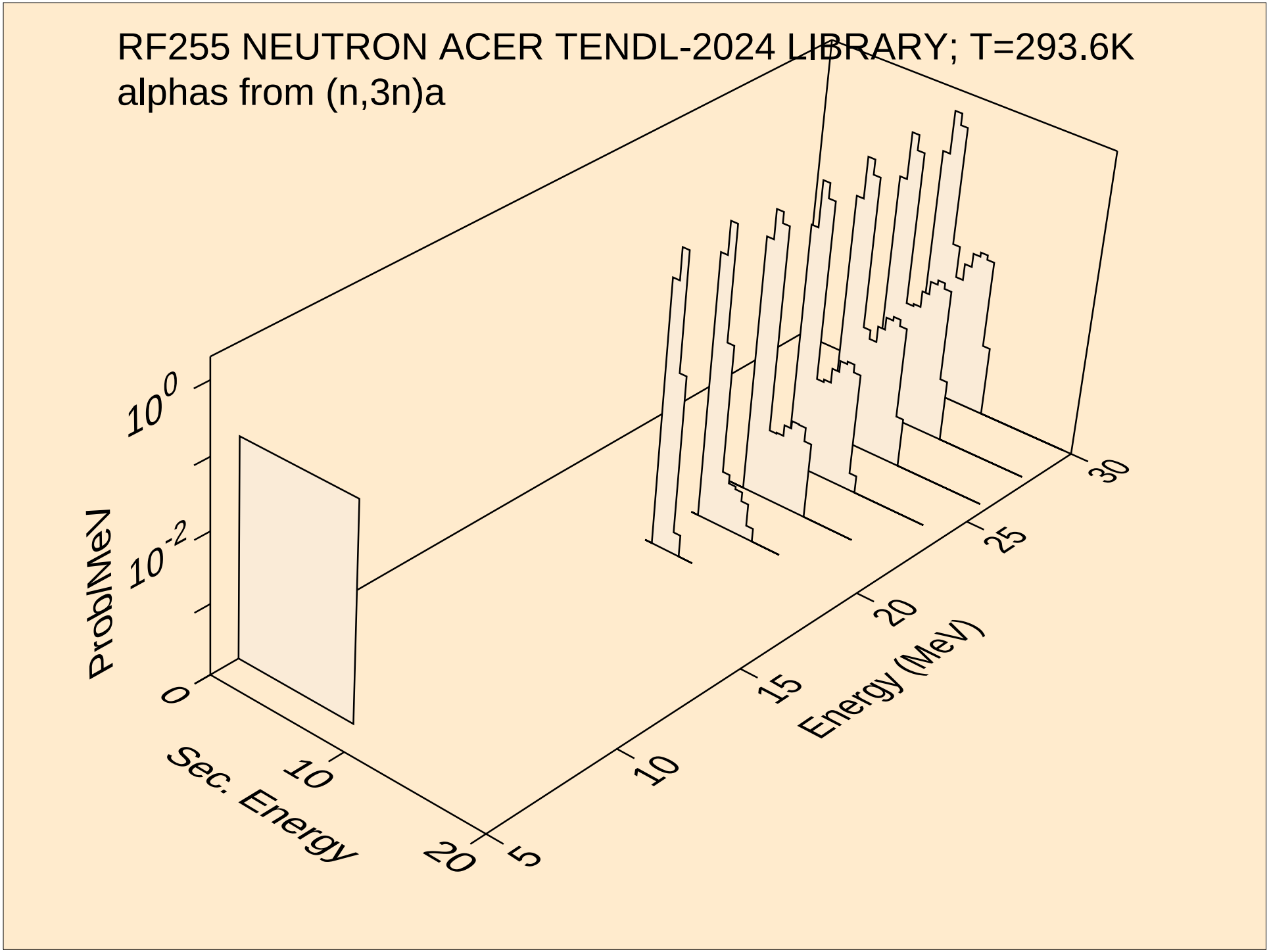

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,x)
Prob/MeV
10-2
10-4
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

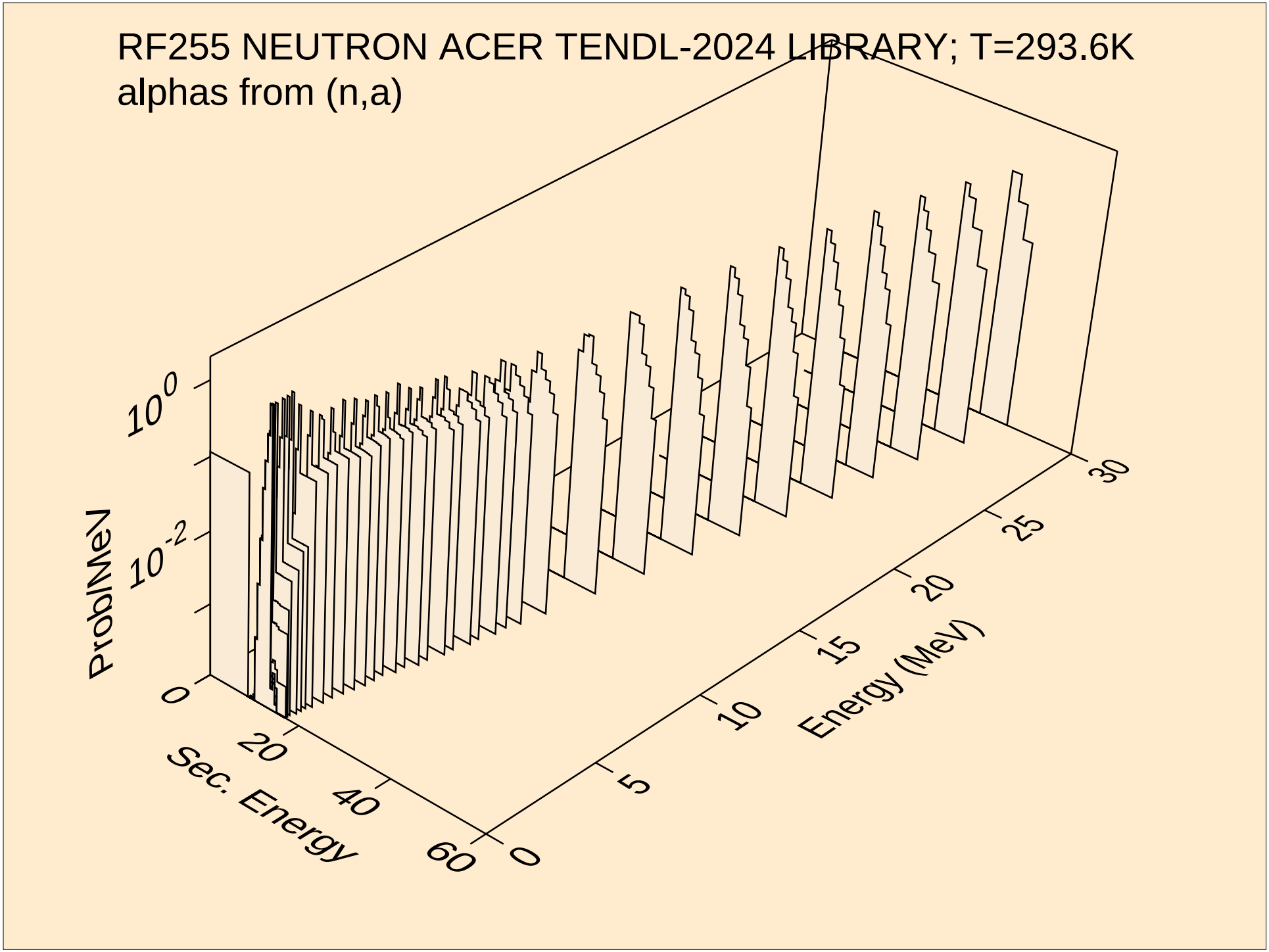

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,he3)
Prob/MeV
10^0
10^-2
10^-4
0
20
40
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

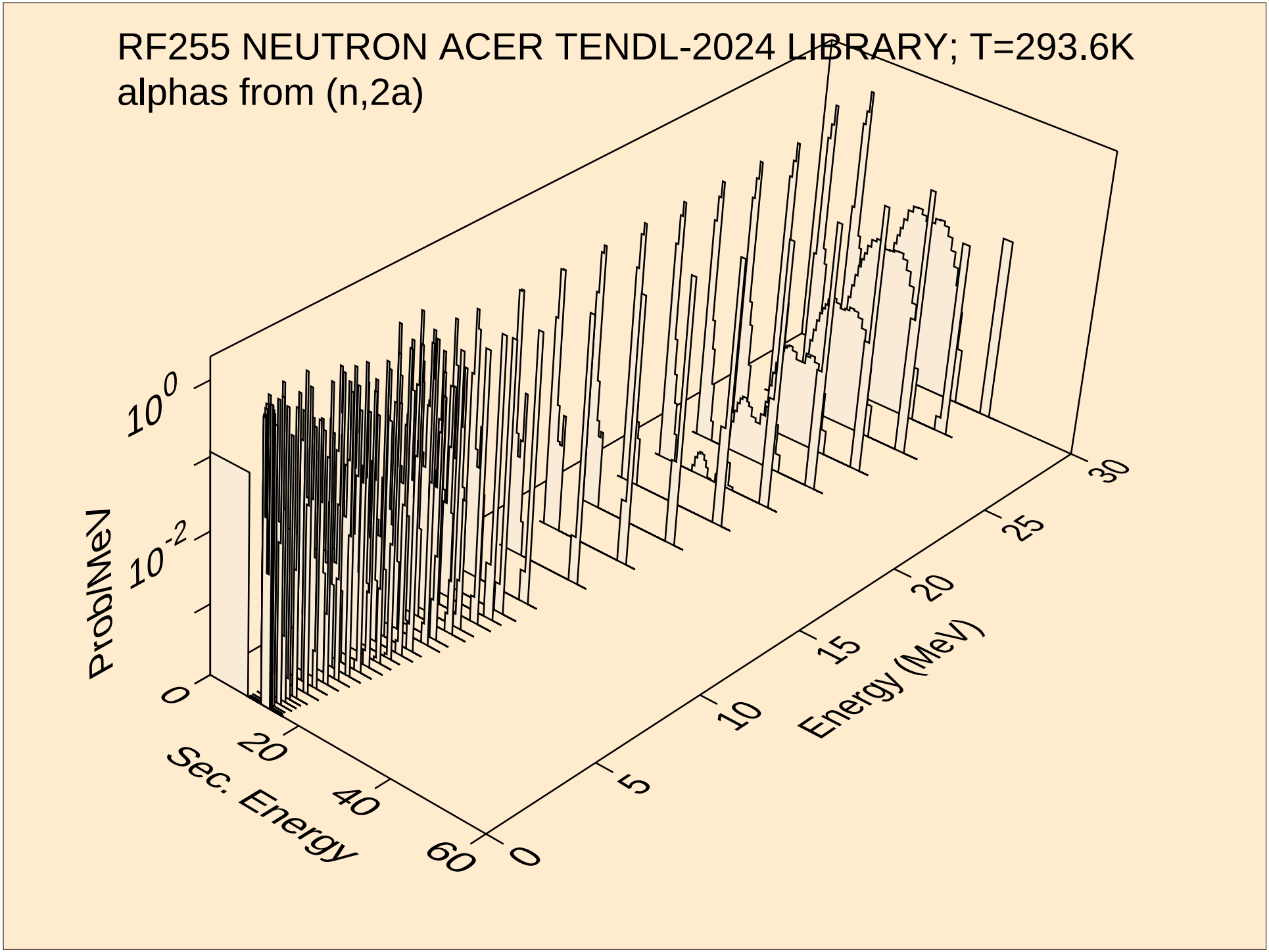

RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)


RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
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)


RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3n)a
Prob/MeV
10^0
10^-2
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)


RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,a)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
60
0
5
10
15
20
25
30
Energy (MeV)


RF255 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2a)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
60
0
5
10
15
20
25
30
Energy (MeV)