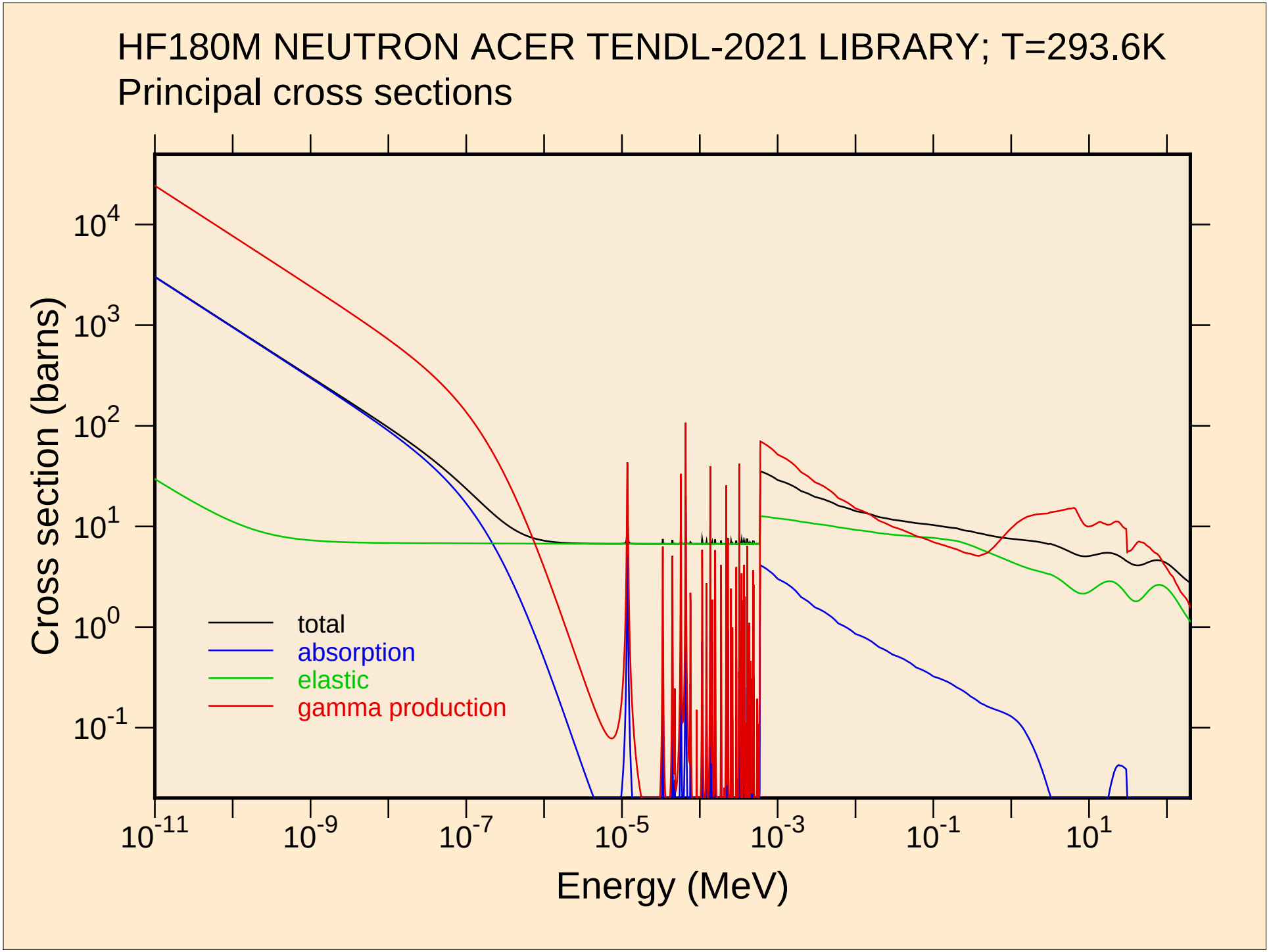
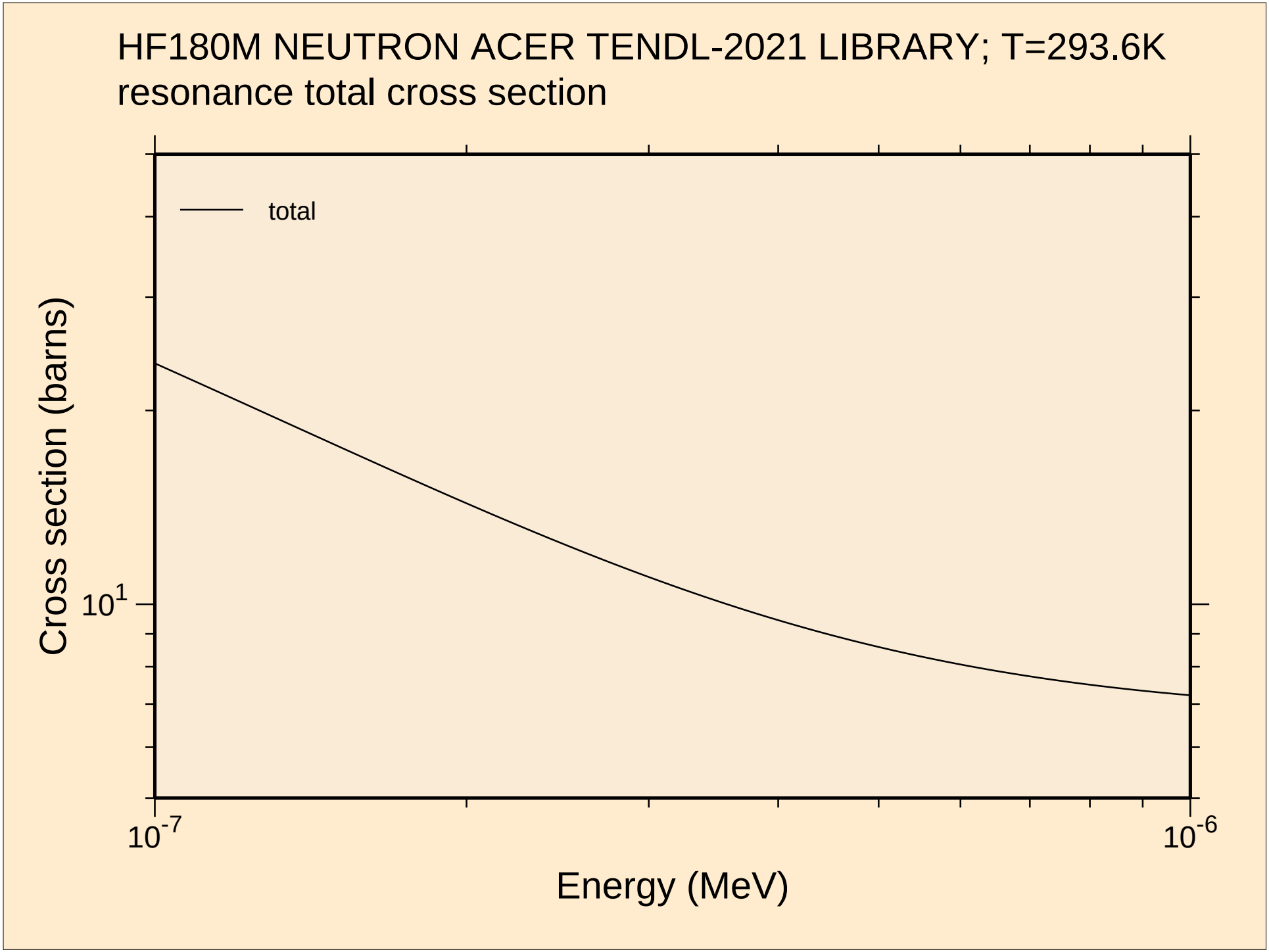
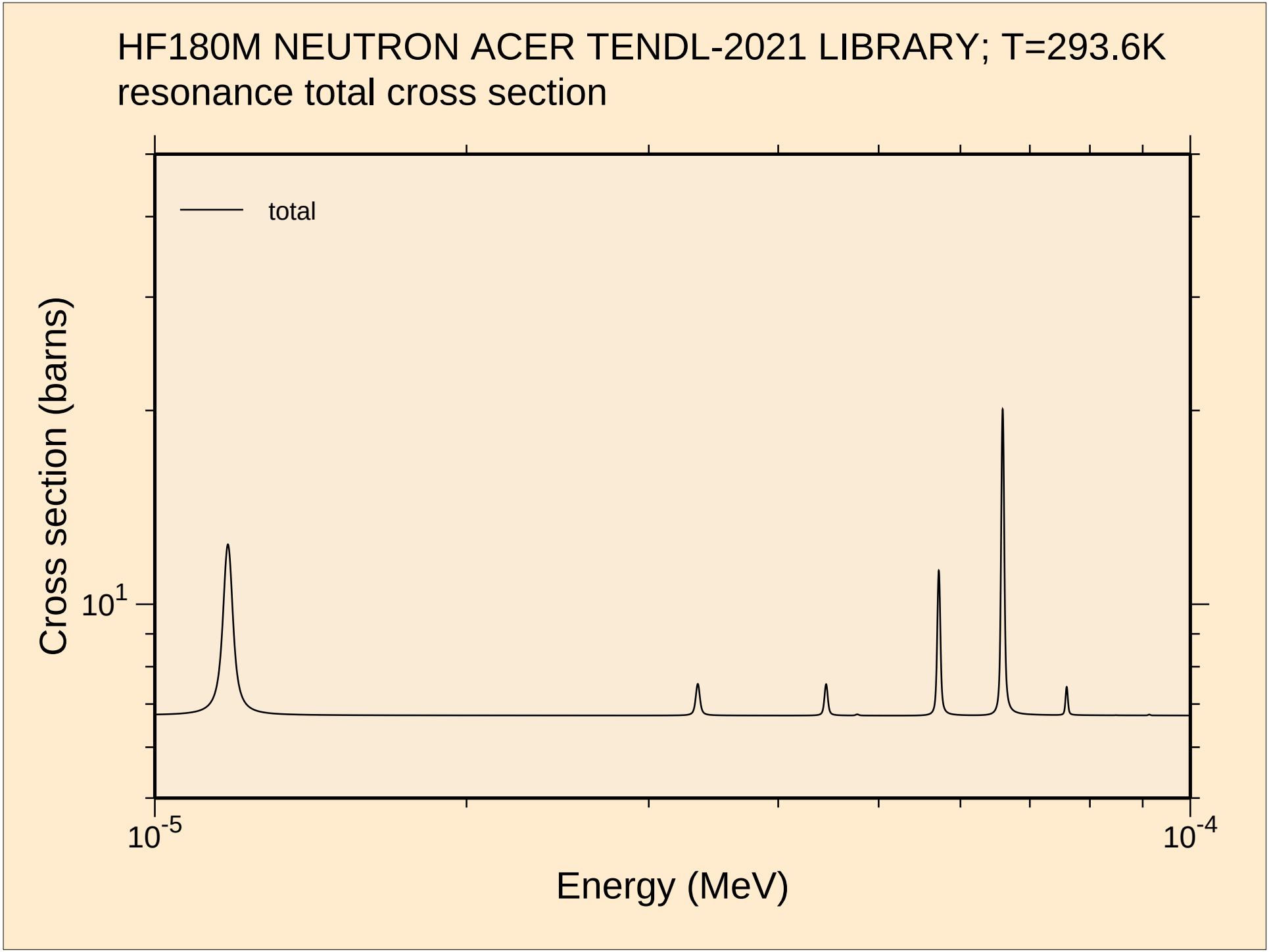
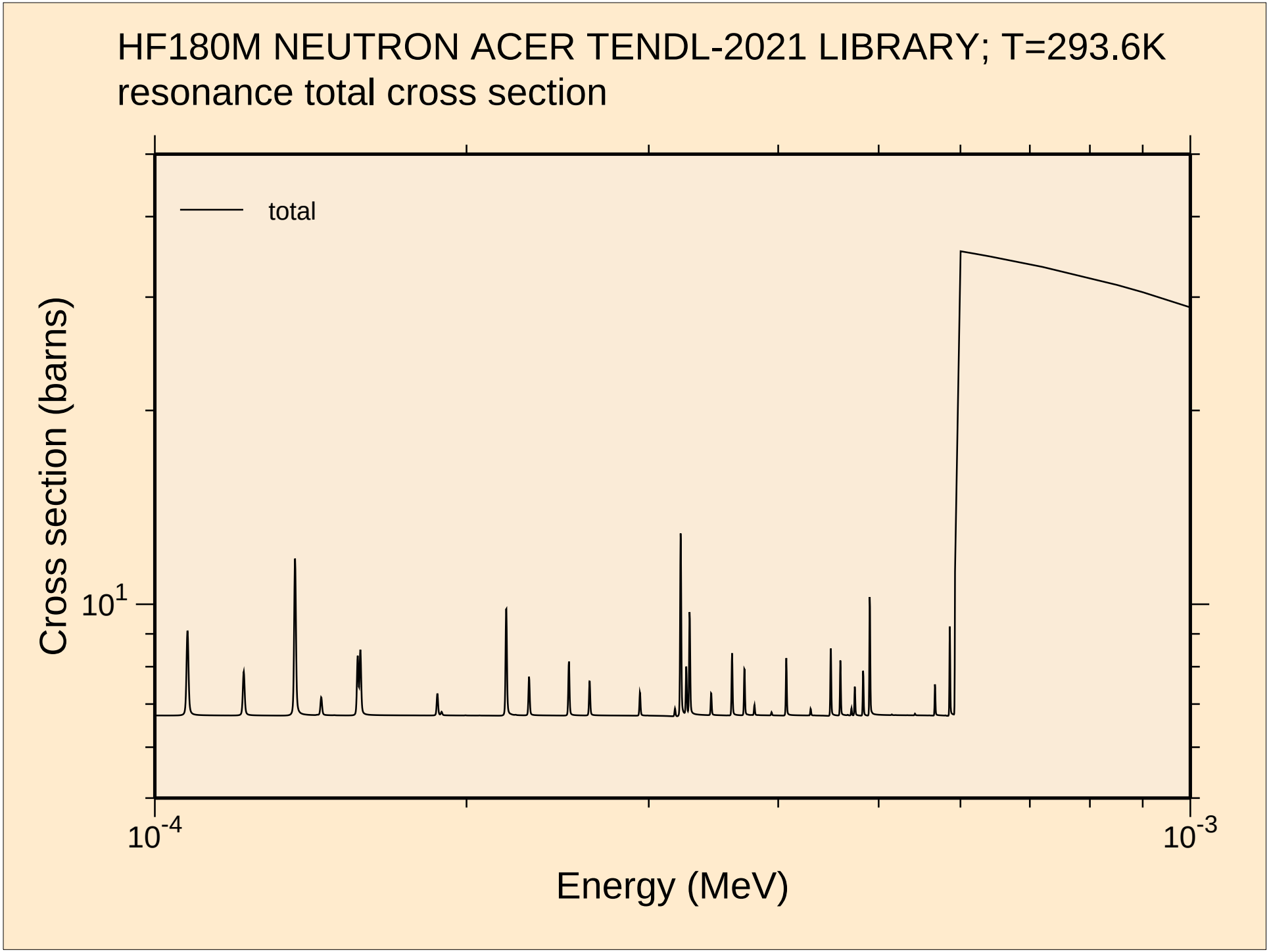
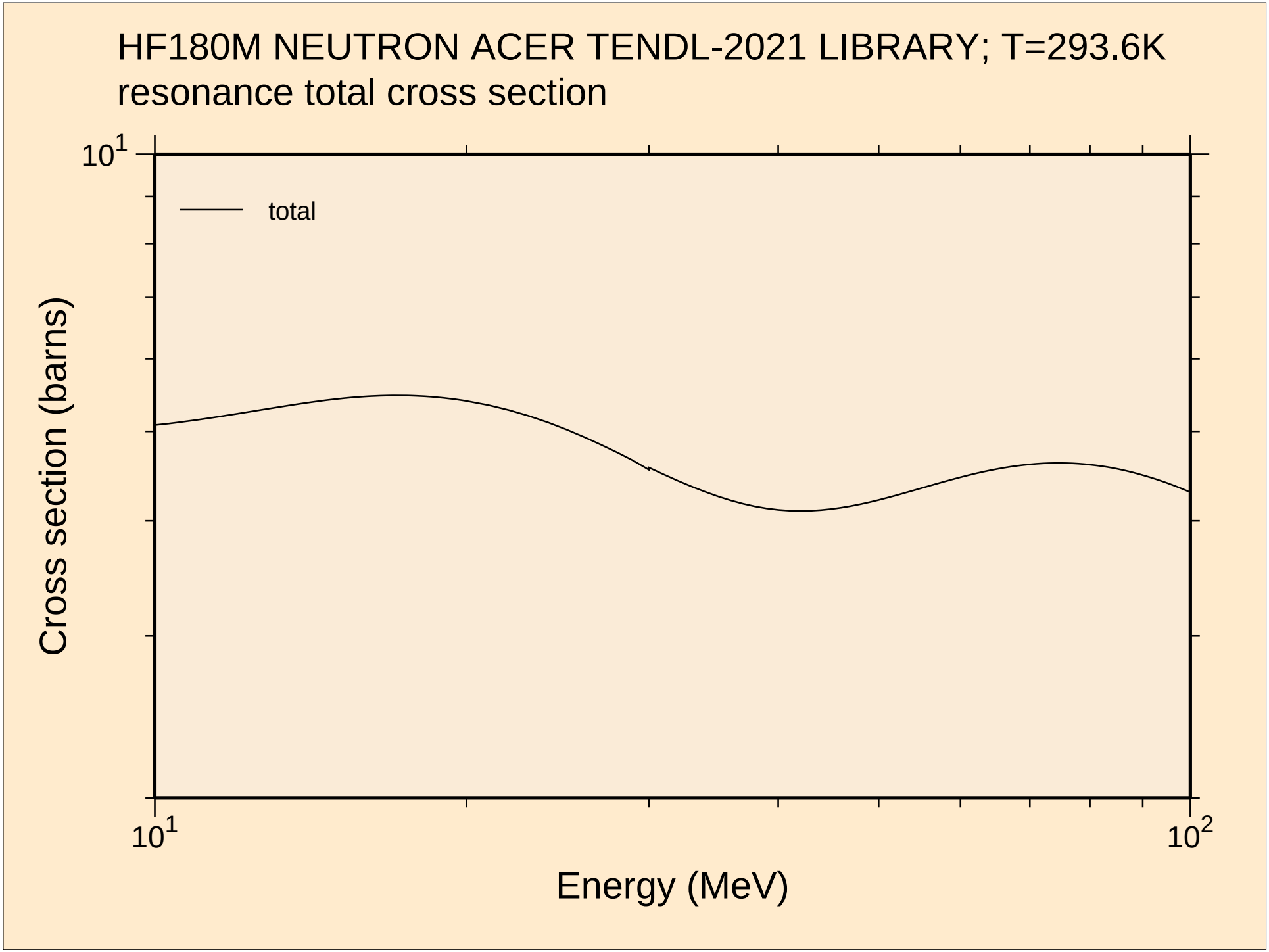
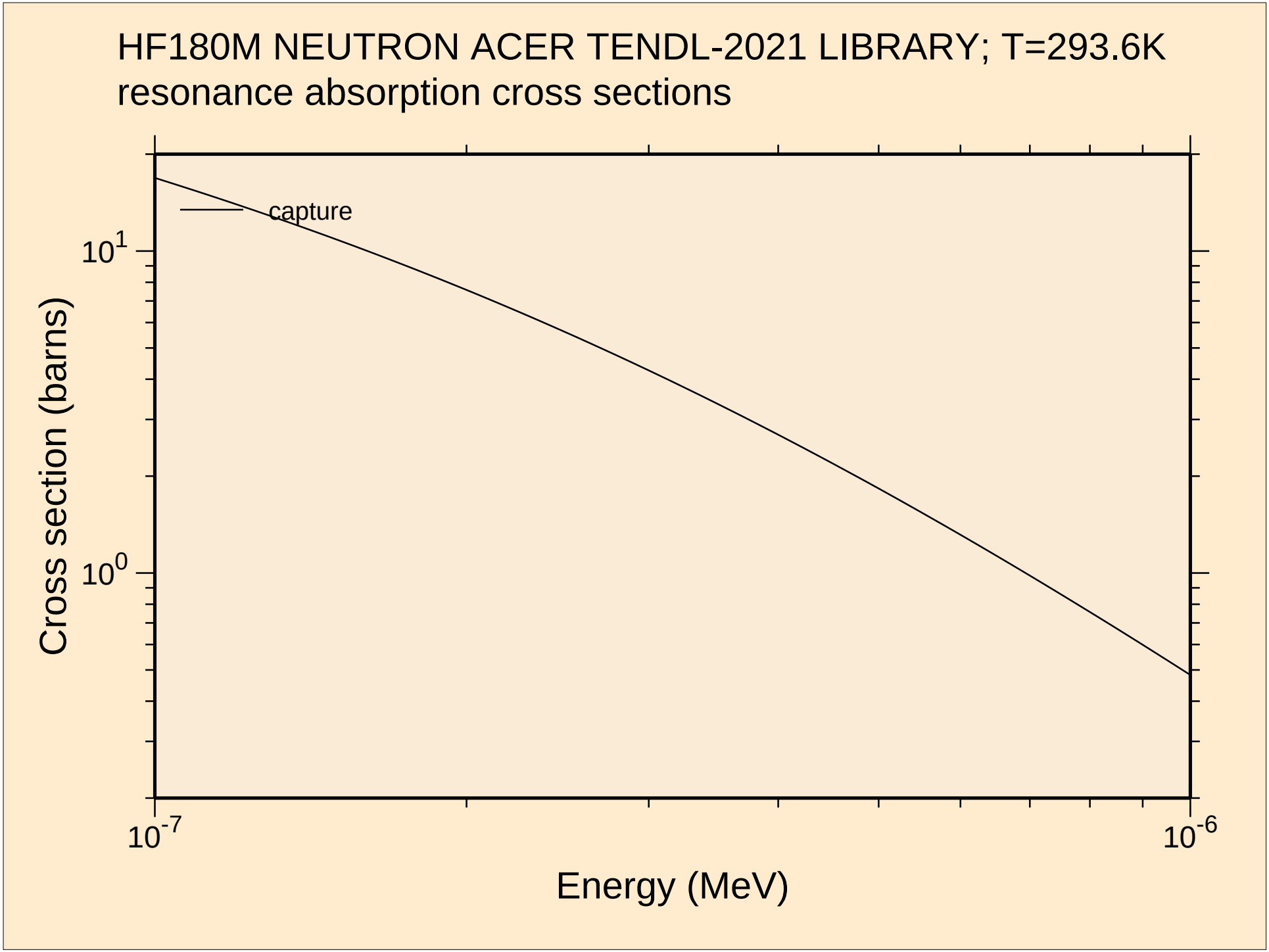

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Principal cross sections
Cross section (barns)
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
total
absorption
elastic
gamma production
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^{1}
Energy (MeV)

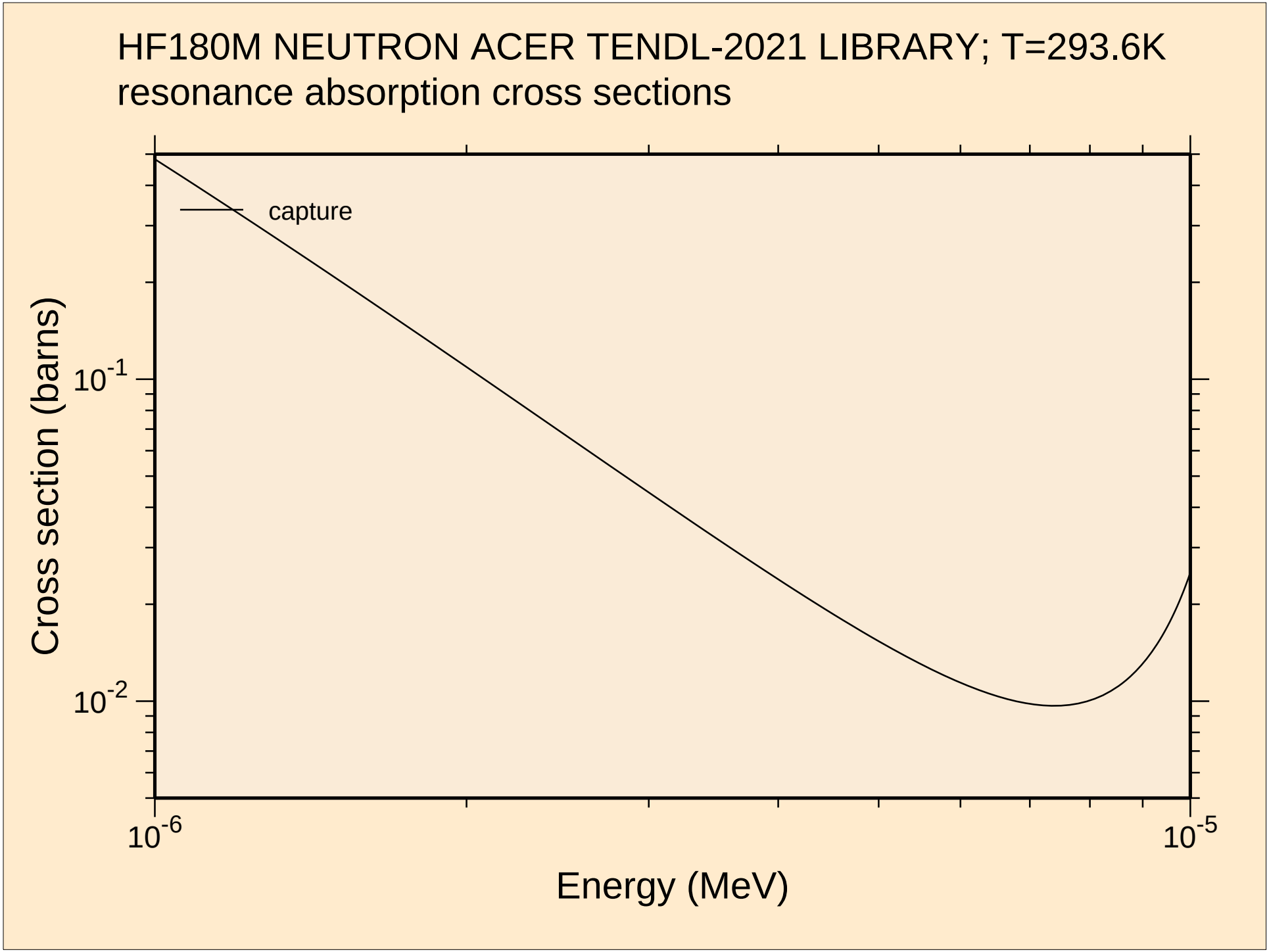

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section
total
Cross section (barns)
10^1
10^-7
10^-6
Energy (MeV)

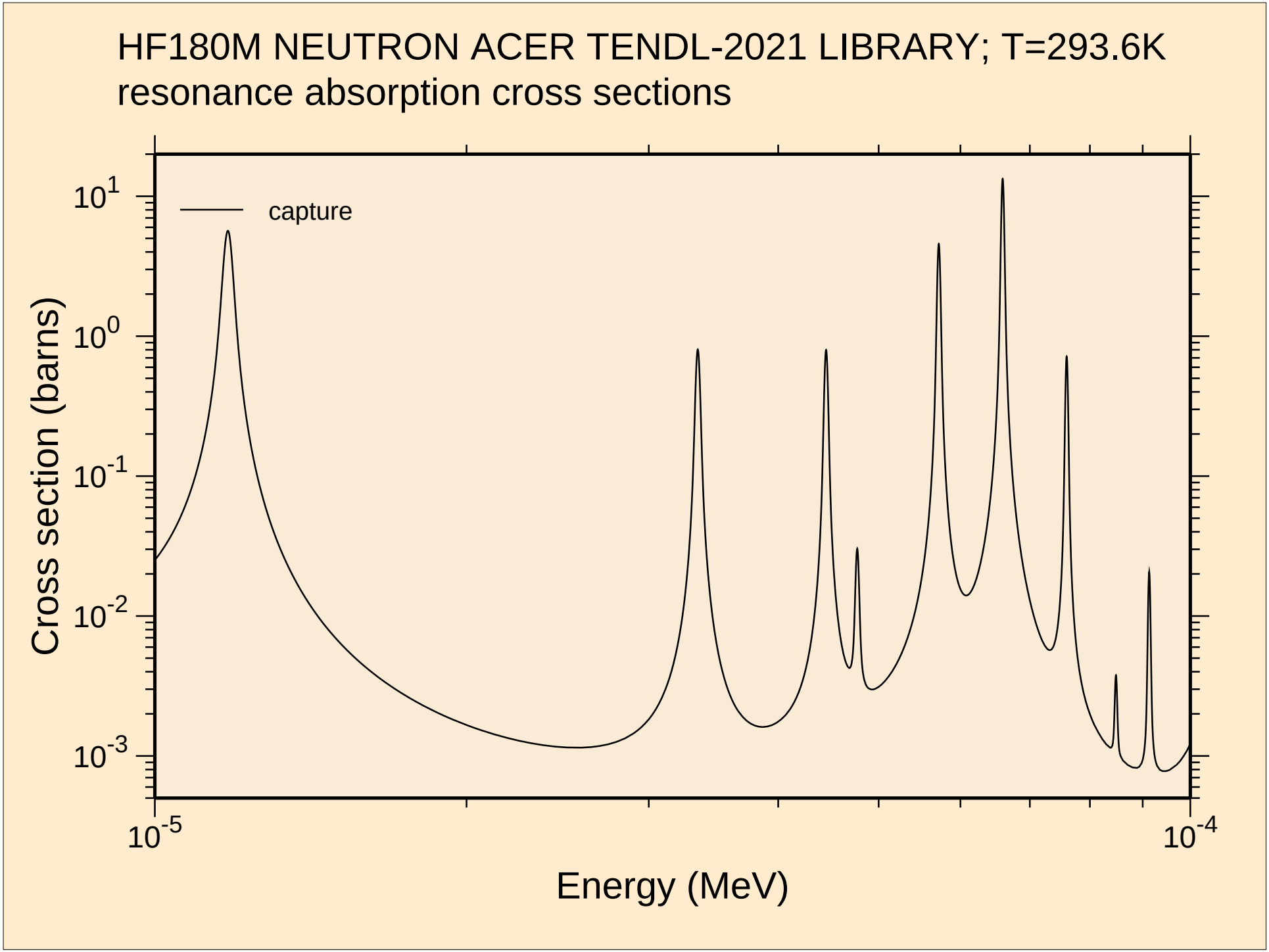

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section
total
Cross section (barns)
10^1
10^-5
10^-4
Energy (MeV)

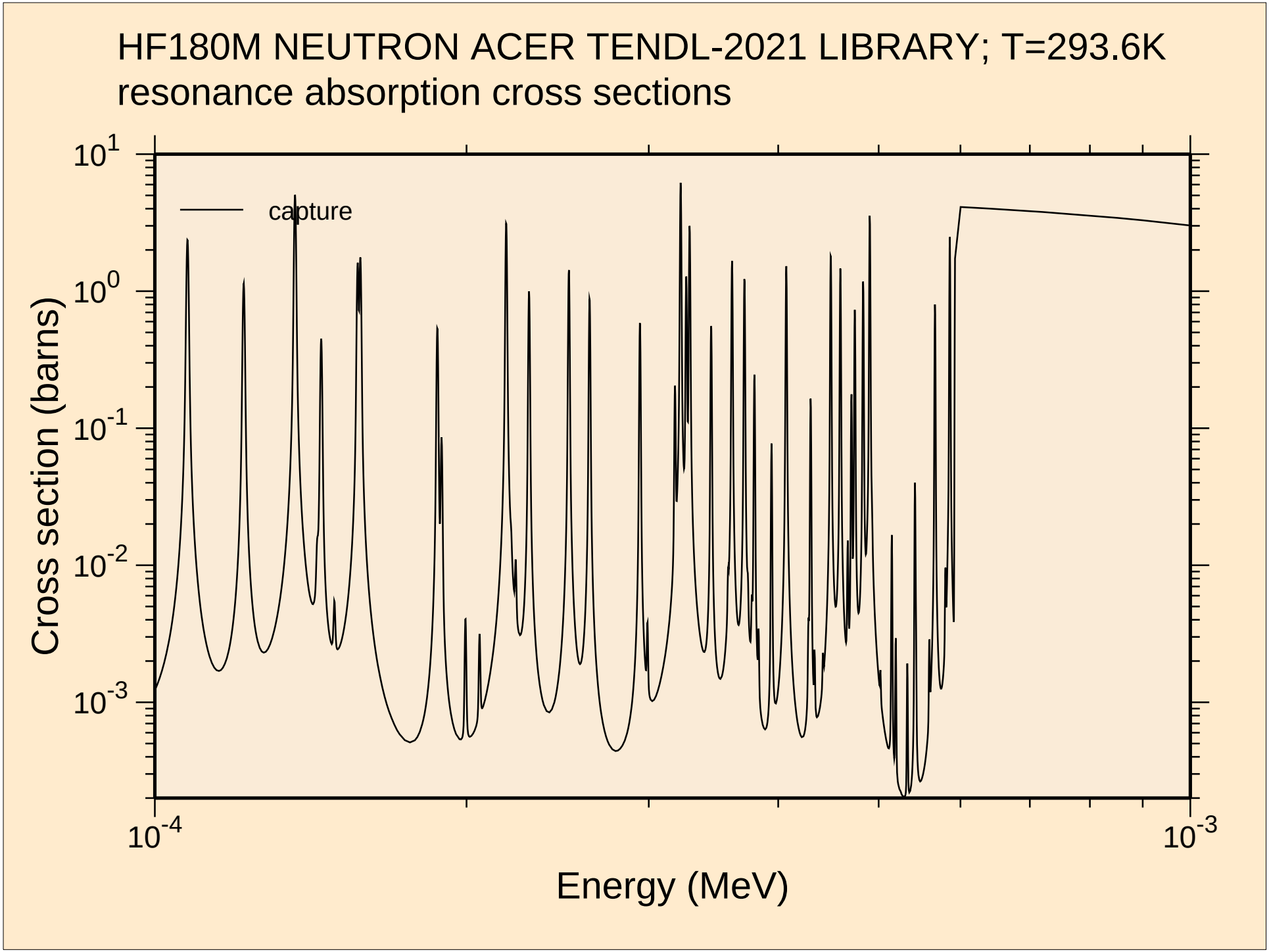

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section
total
Cross section (barns)
10^1
10^-4
10^-3
Energy (MeV)

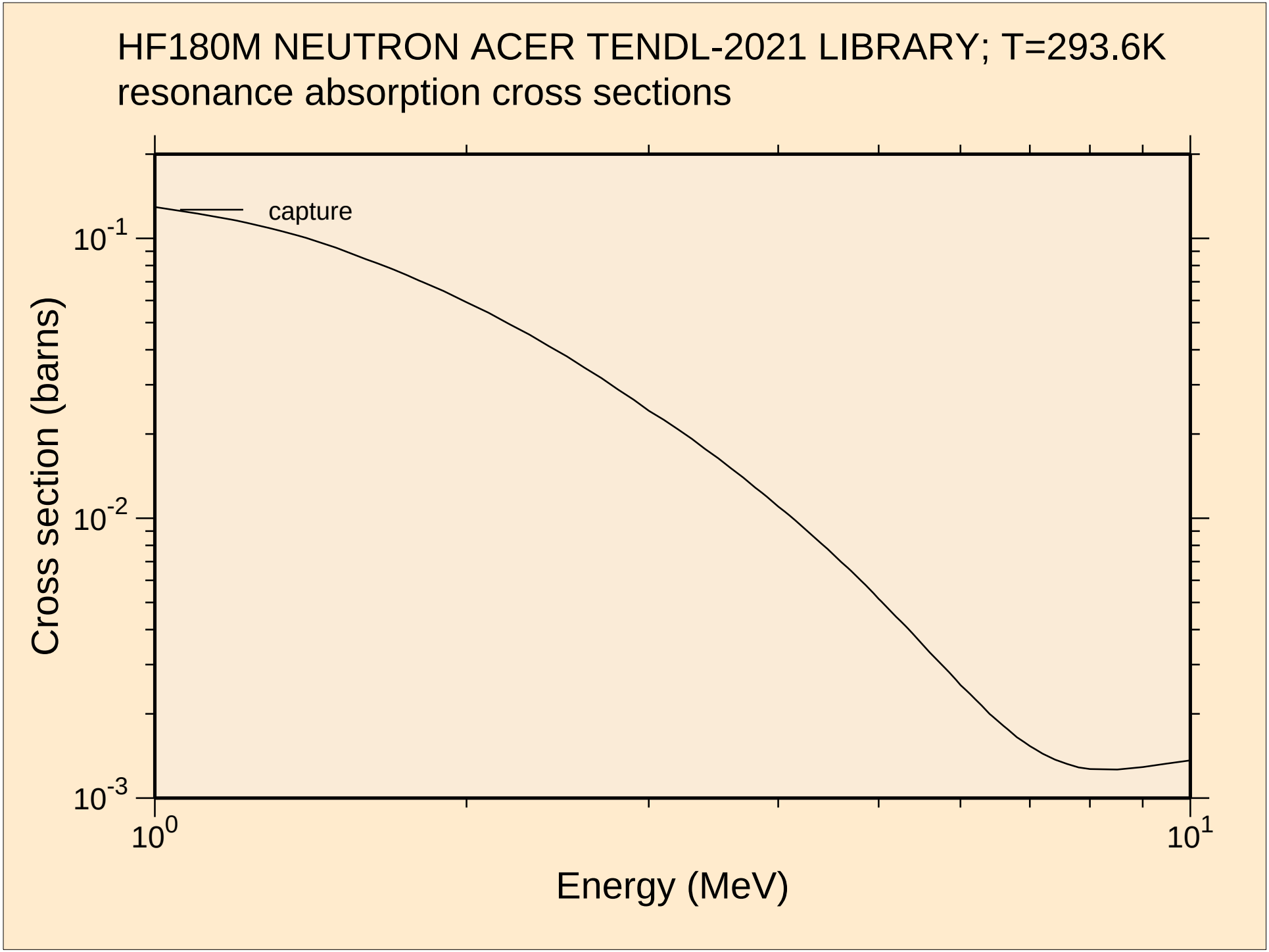

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section
total
Cross section (barns)
Energy (MeV)
10^1
10^1
10^2

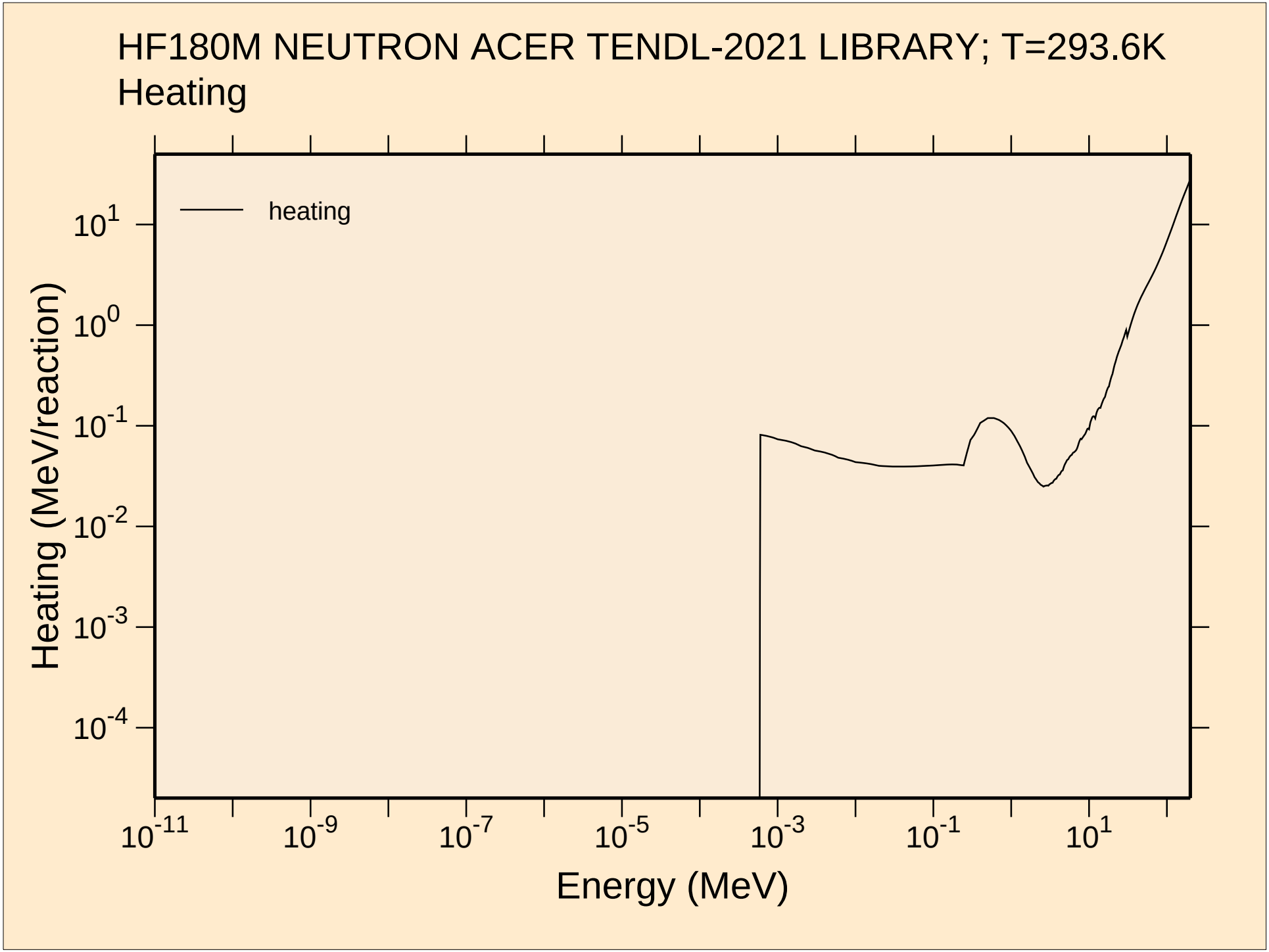

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
capture
Cross section (barns)
10^1
10^0
10^-7
10^-6
Energy (MeV)

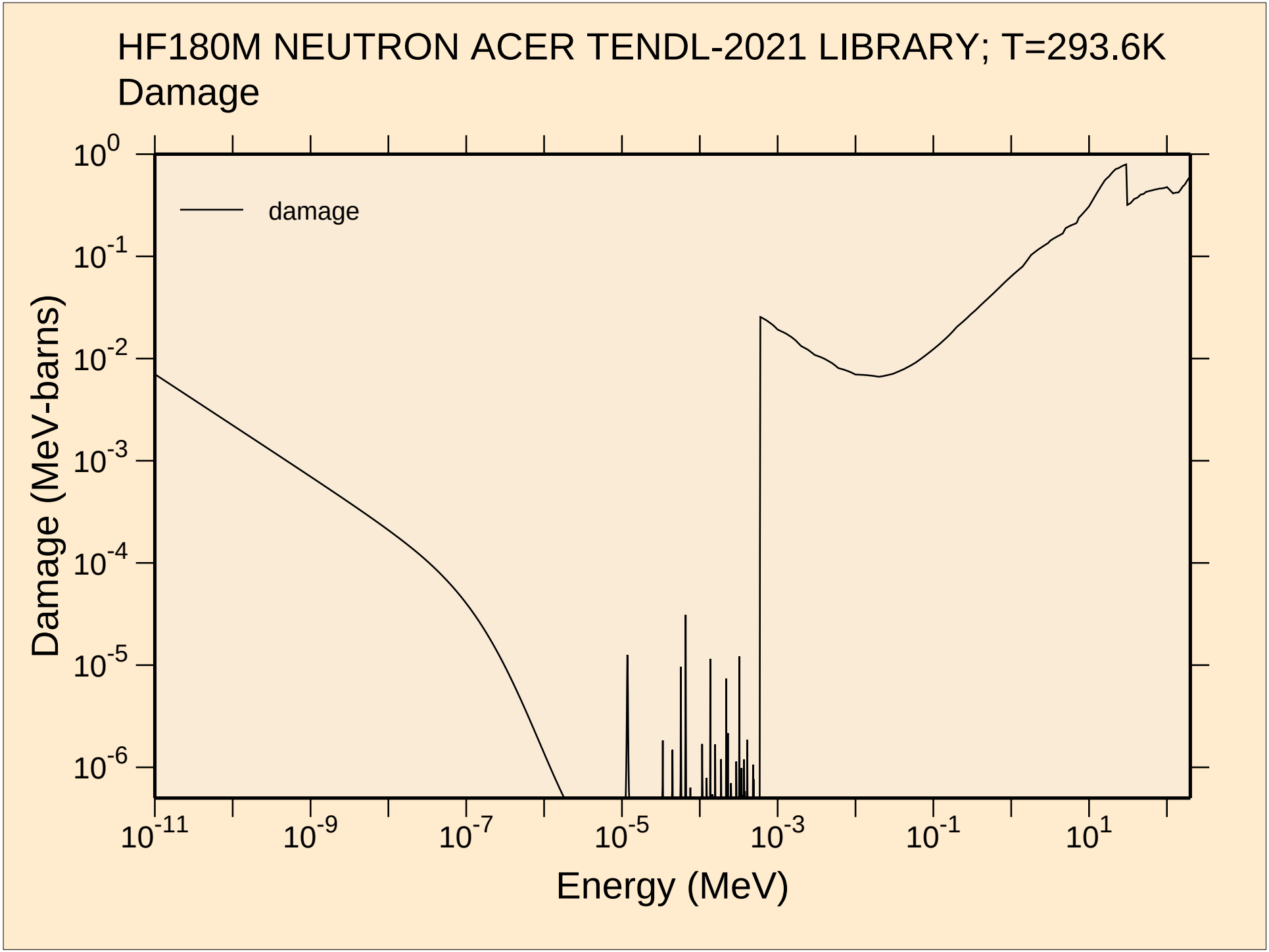

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
capture
Cross section (barns)
10-1
10-2
10-6
10-5
Energy (MeV)

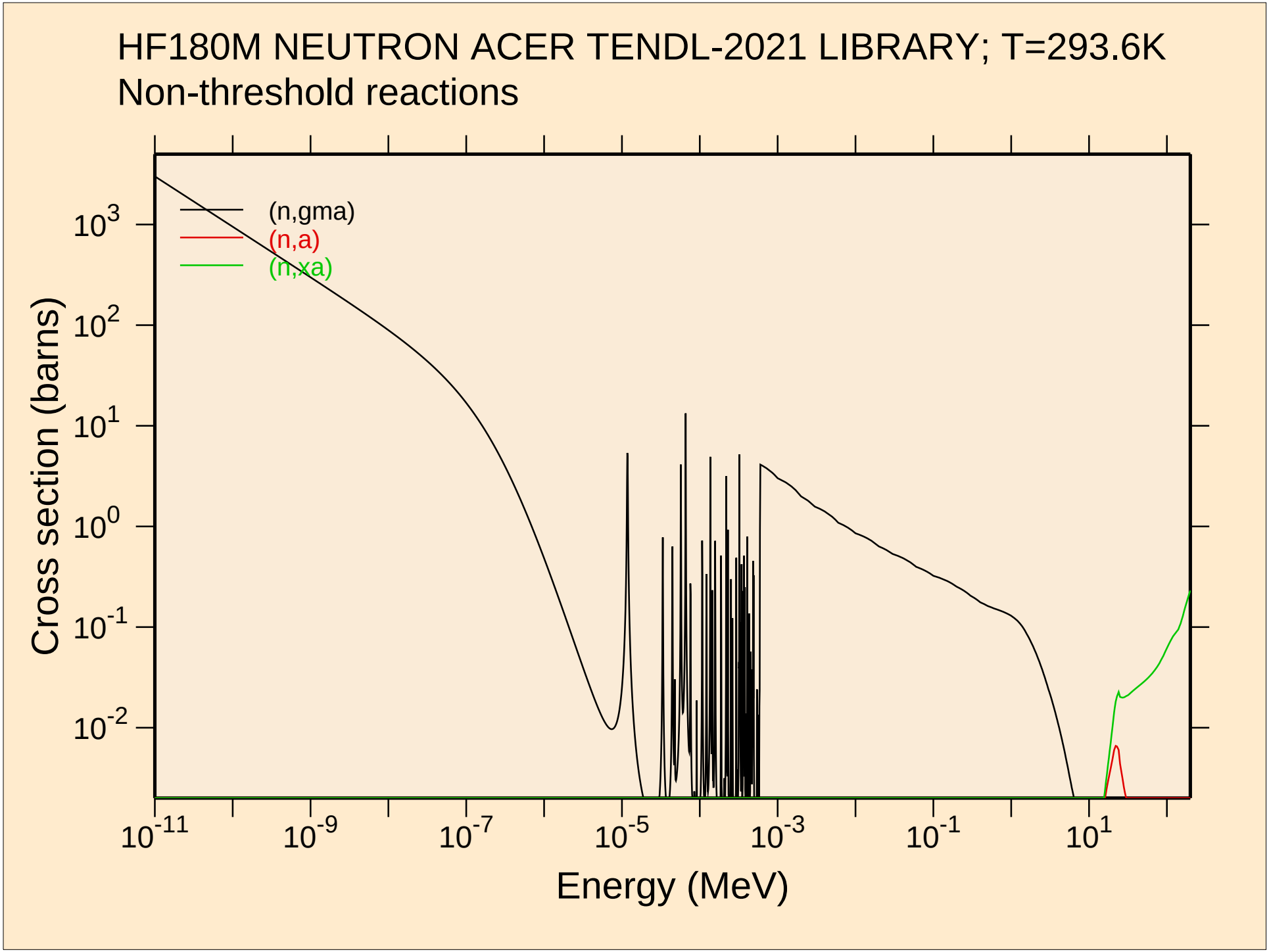

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
capture
Cross section (barns)
10^1
10^0
10^-1
10^-2
10^-3
10^-5
10^-4
Energy (MeV)

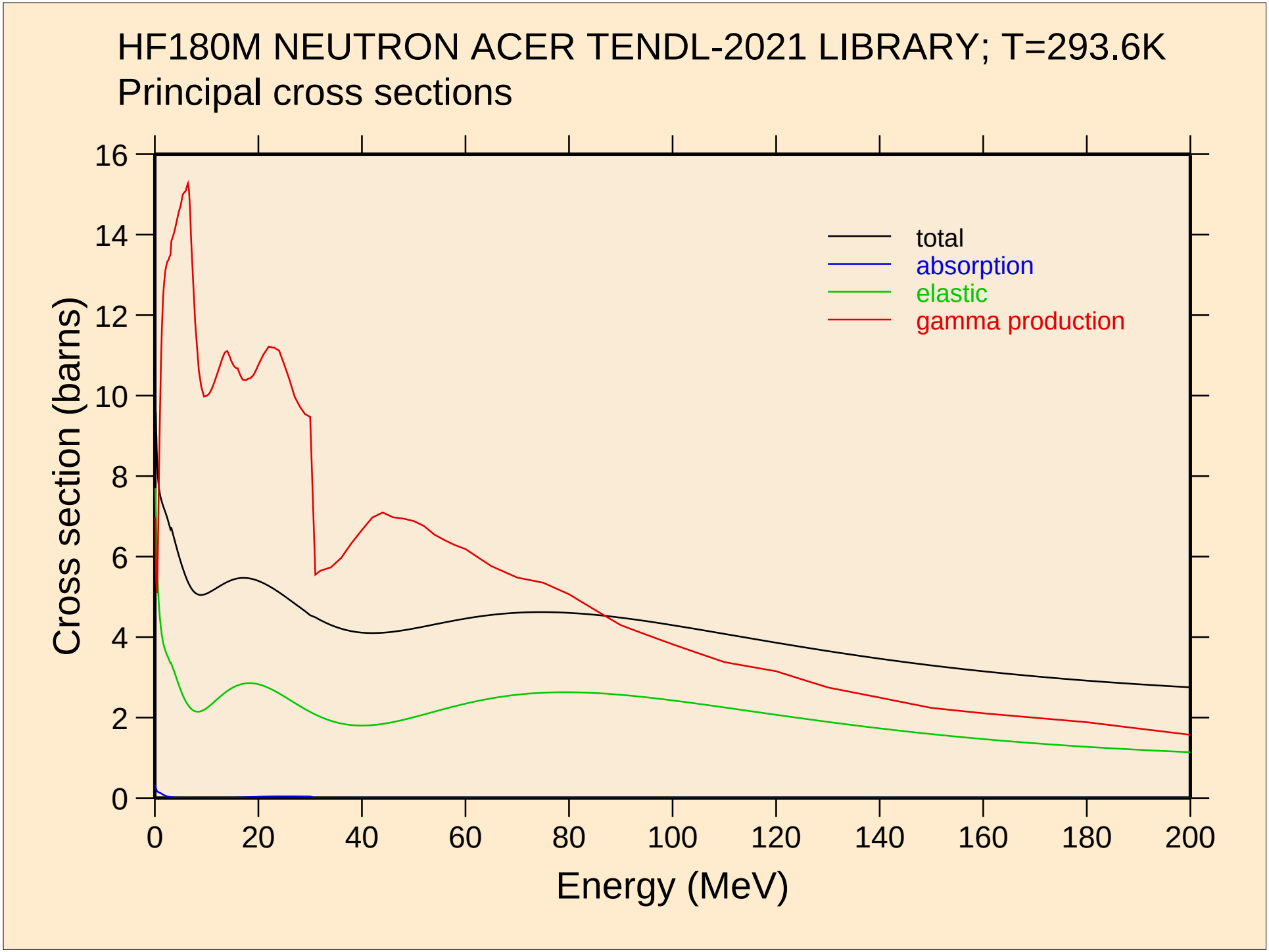

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
capture
Cross section (barns)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-3}
Energy (MeV)

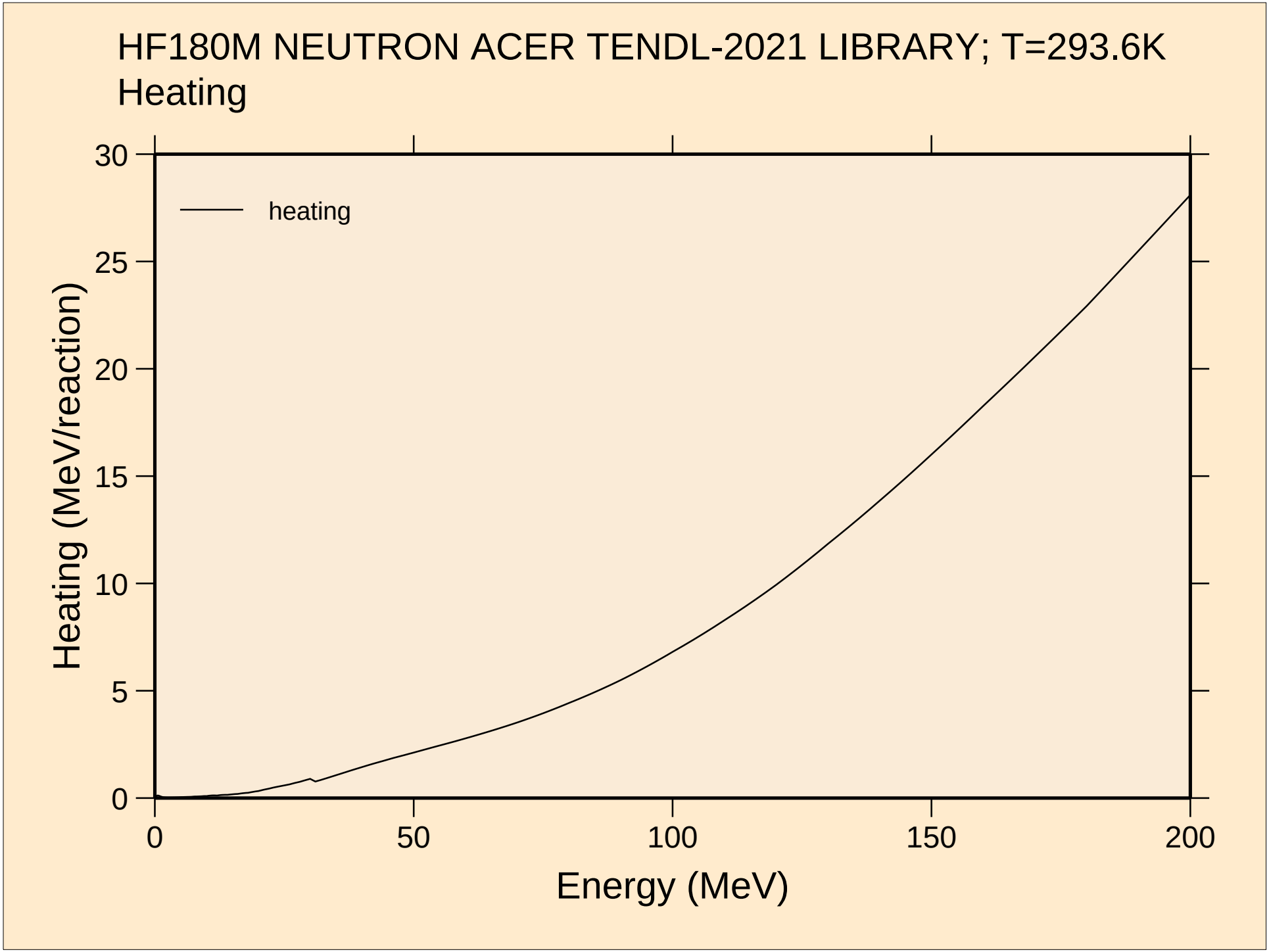

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
capture
Cross section (barns)
10-1
10-2
10-3
100
101
Energy (MeV)

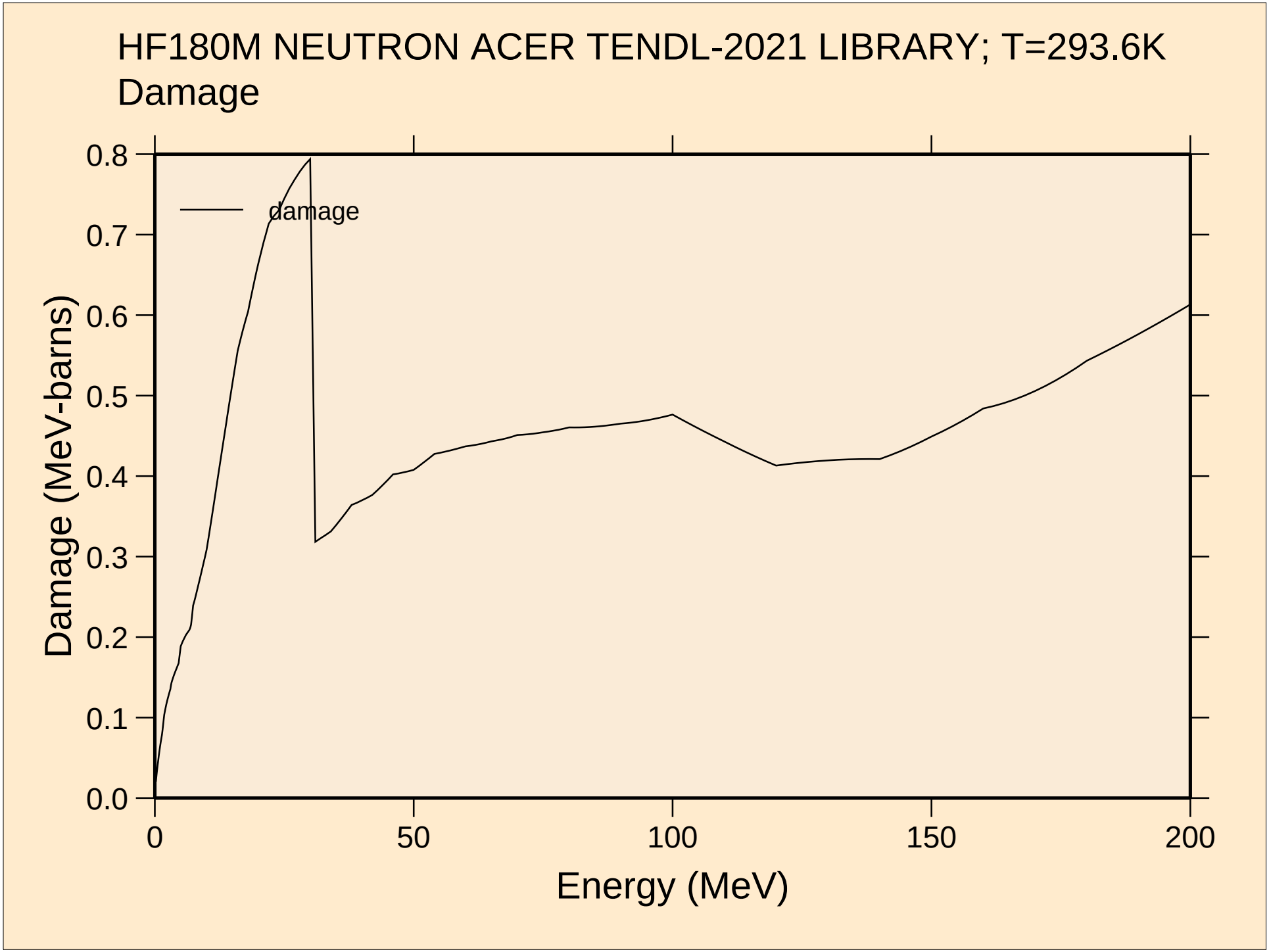

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating
heating
Heating (MeV/reaction)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^{1}
Energy (MeV)

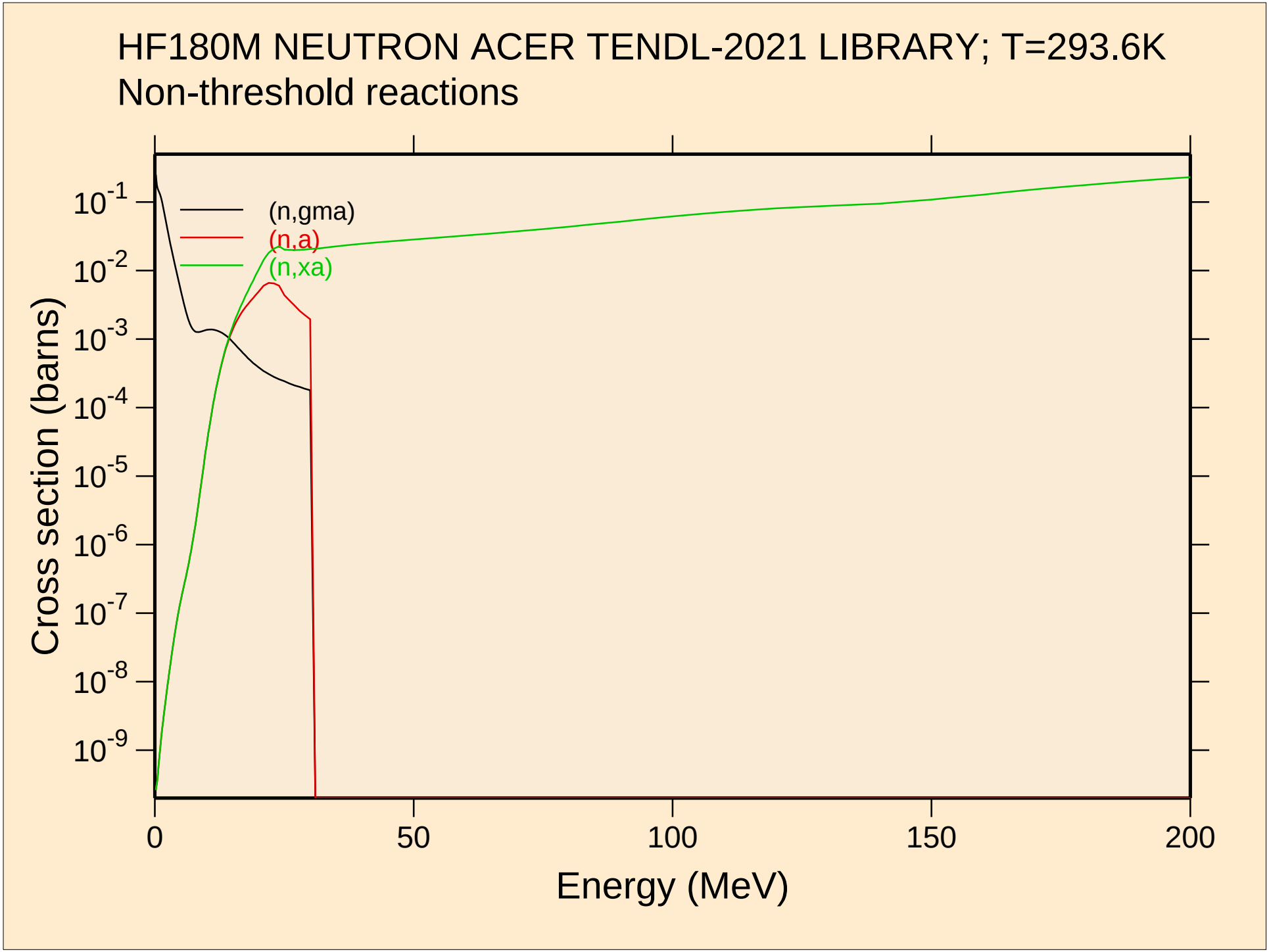

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage
damage
Damage (MeV-barns)
Energy (MeV)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

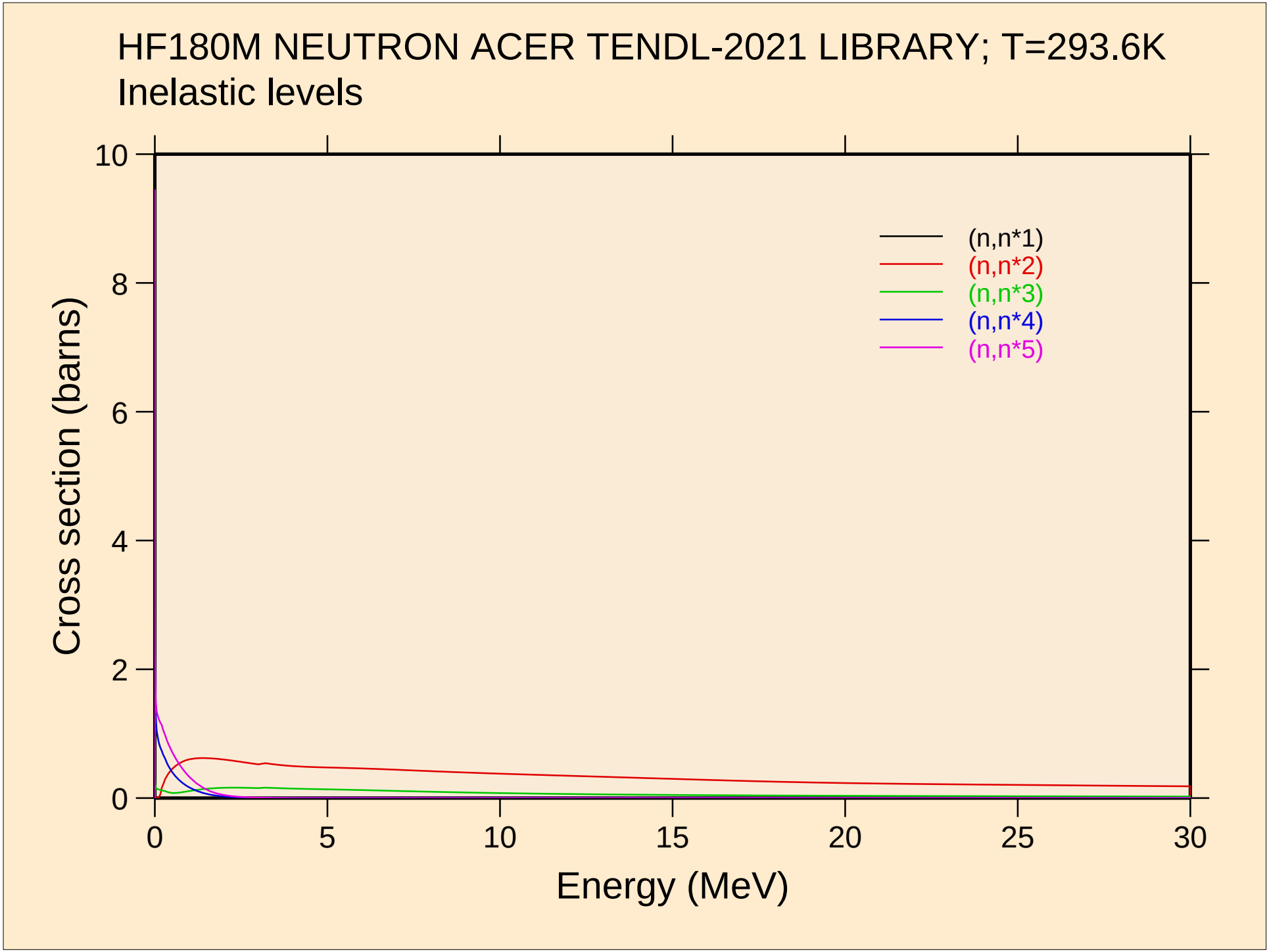

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions
(n,gma)
(n,a)
(n,xa)
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

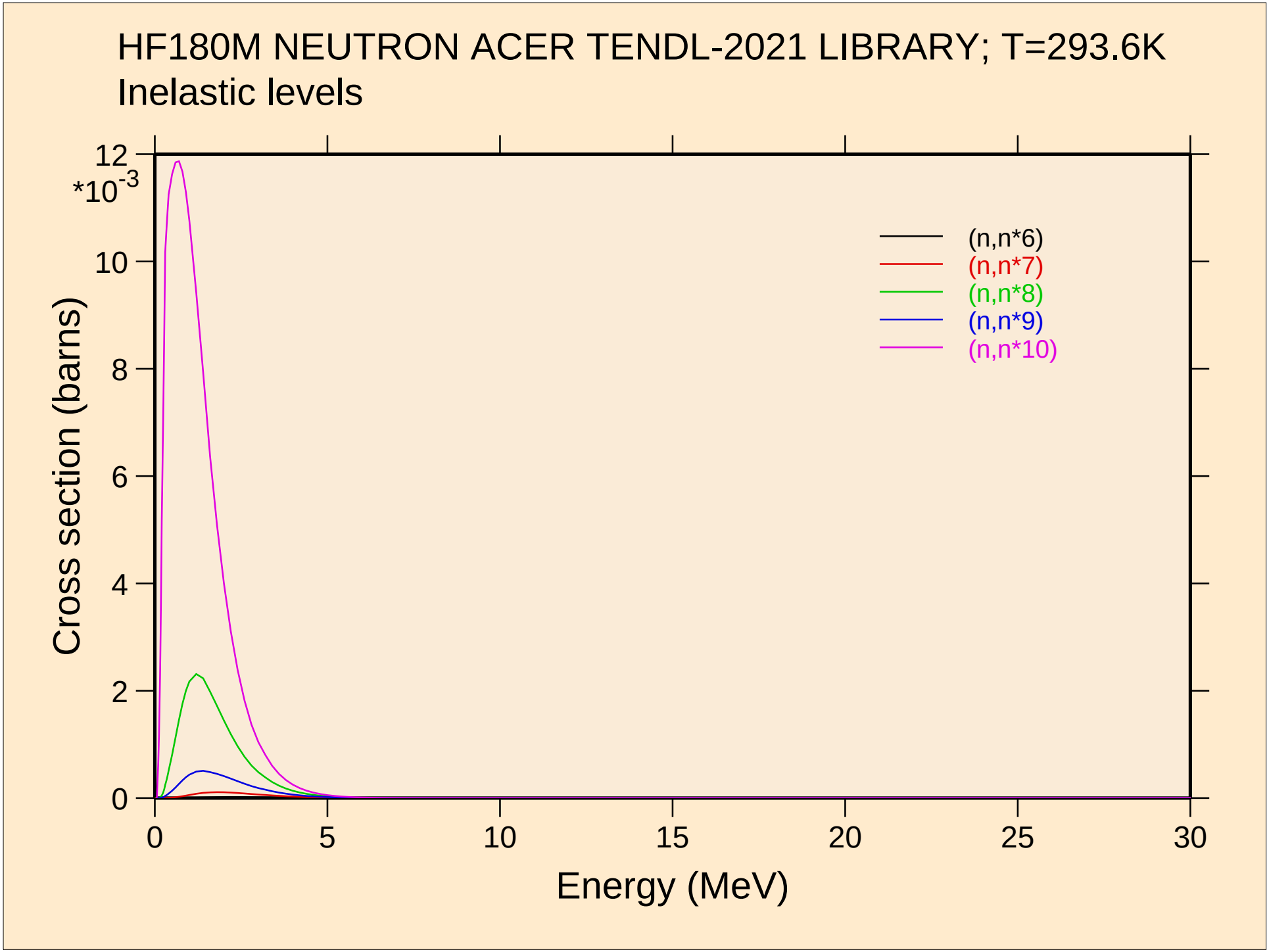

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Principal cross sections
Cross section (barns)
Energy (MeV)
0
2
4
6
8
10
12
14
16
0
20
40
60
80
100
120
140
160
180
200
total
absorption
elastic
gamma production

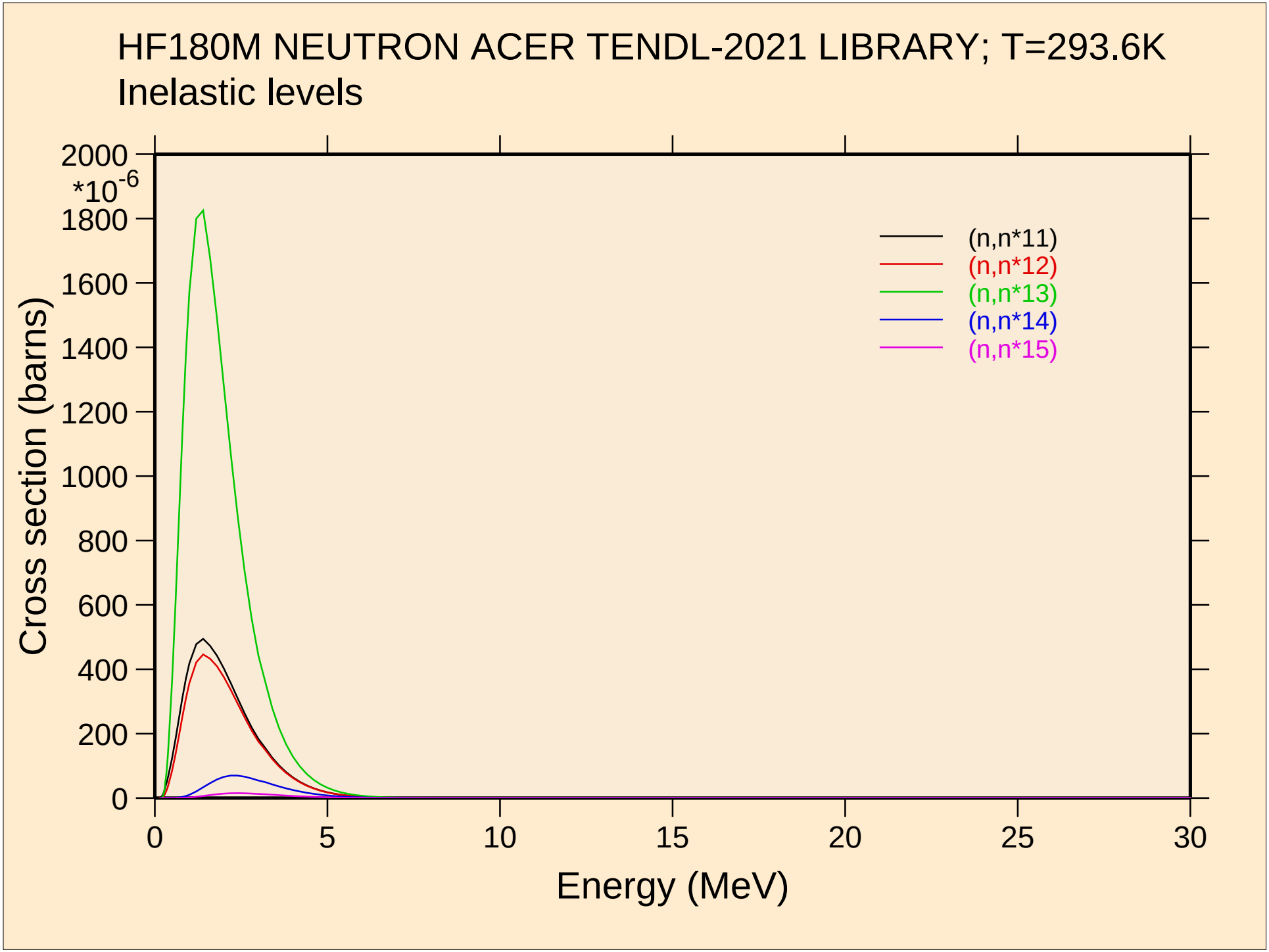

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
5
10
15
20
25
30
0
50
100
150
200

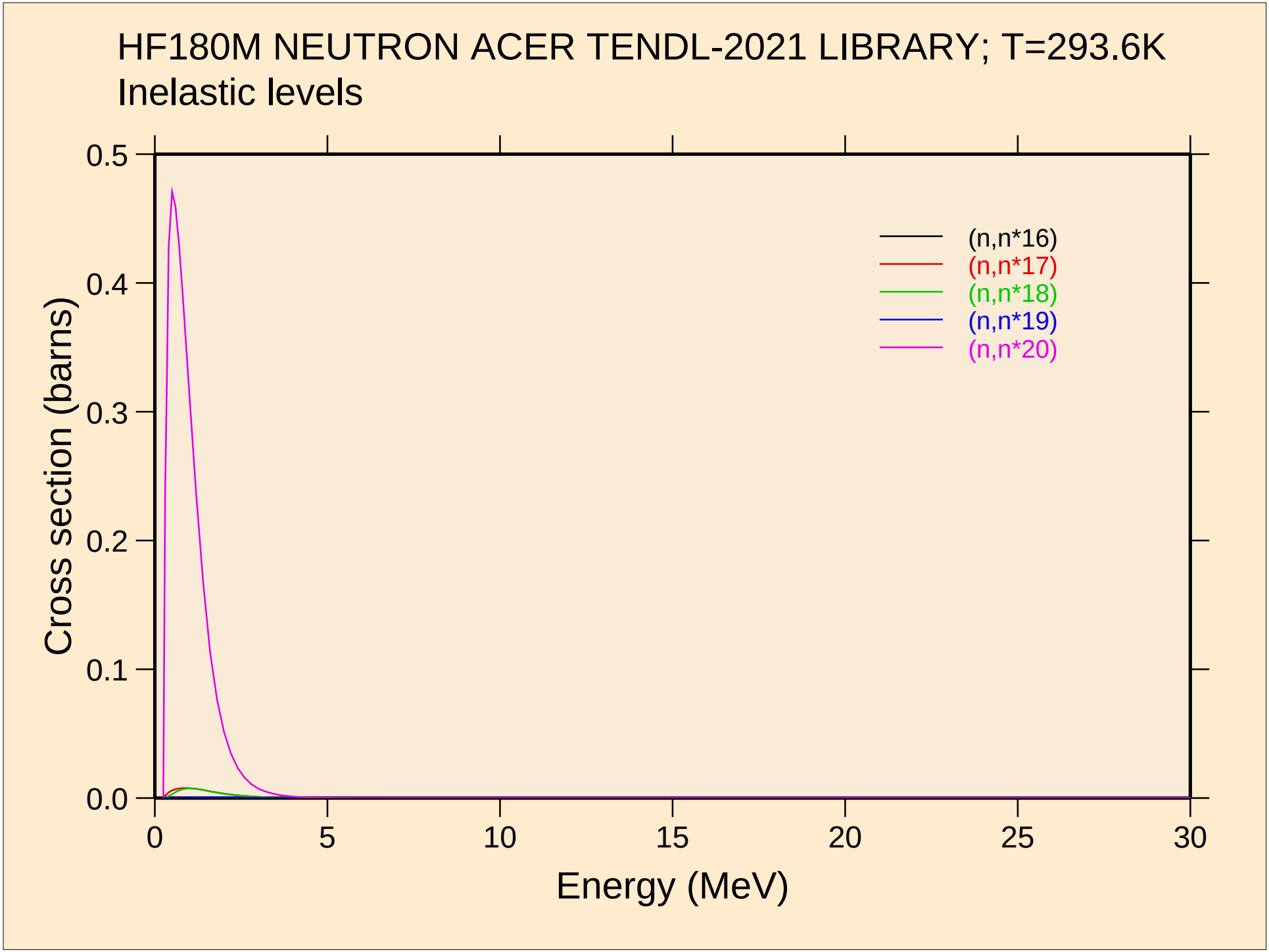

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage
damage
Damage (MeV-barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
50
100
150
200
Energy (MeV)

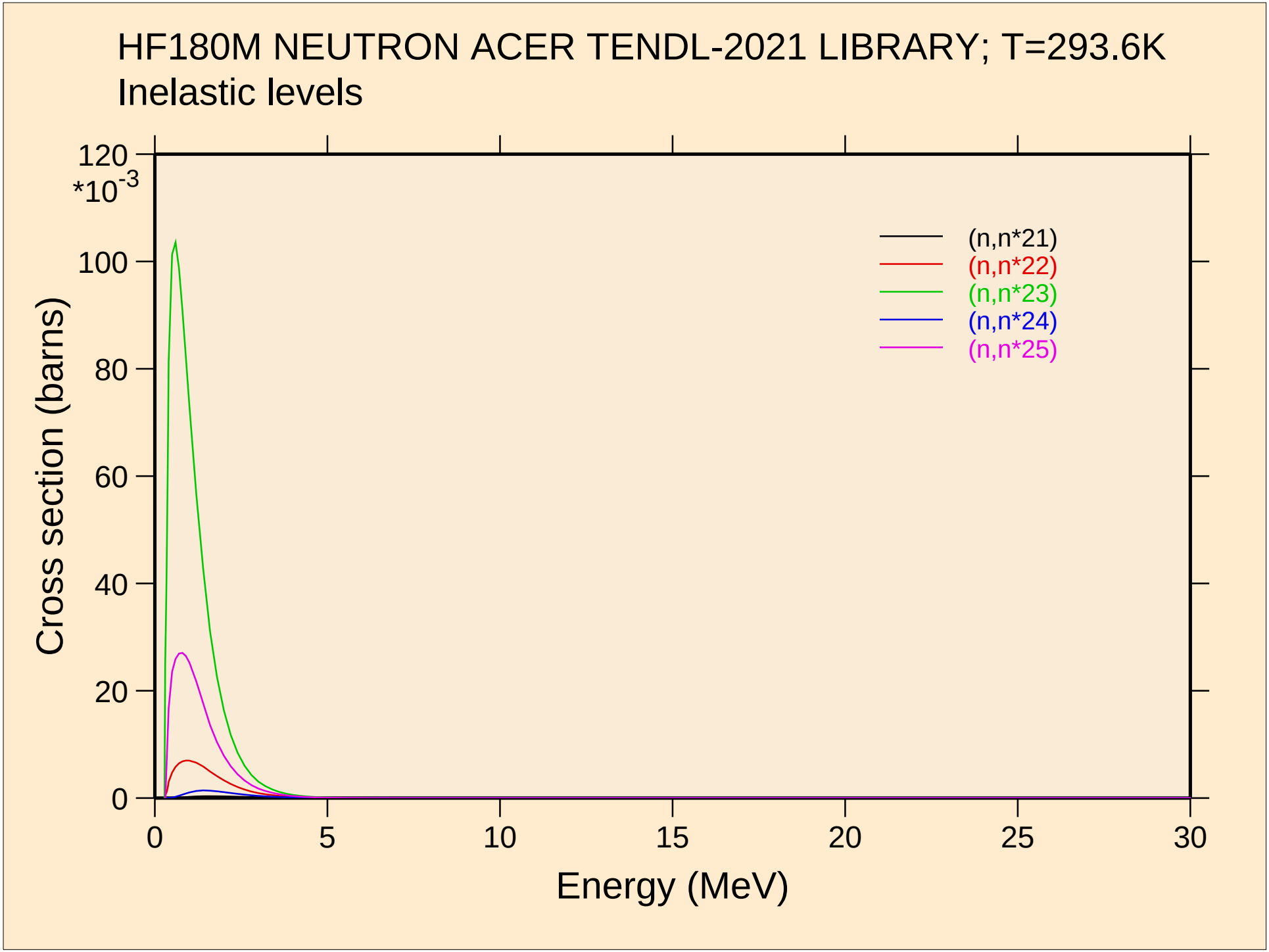

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions
(n,gma)
(n,a)
(n,xa)
Cross section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
10-8
10-9
0
50
100
150
200
Energy (MeV)

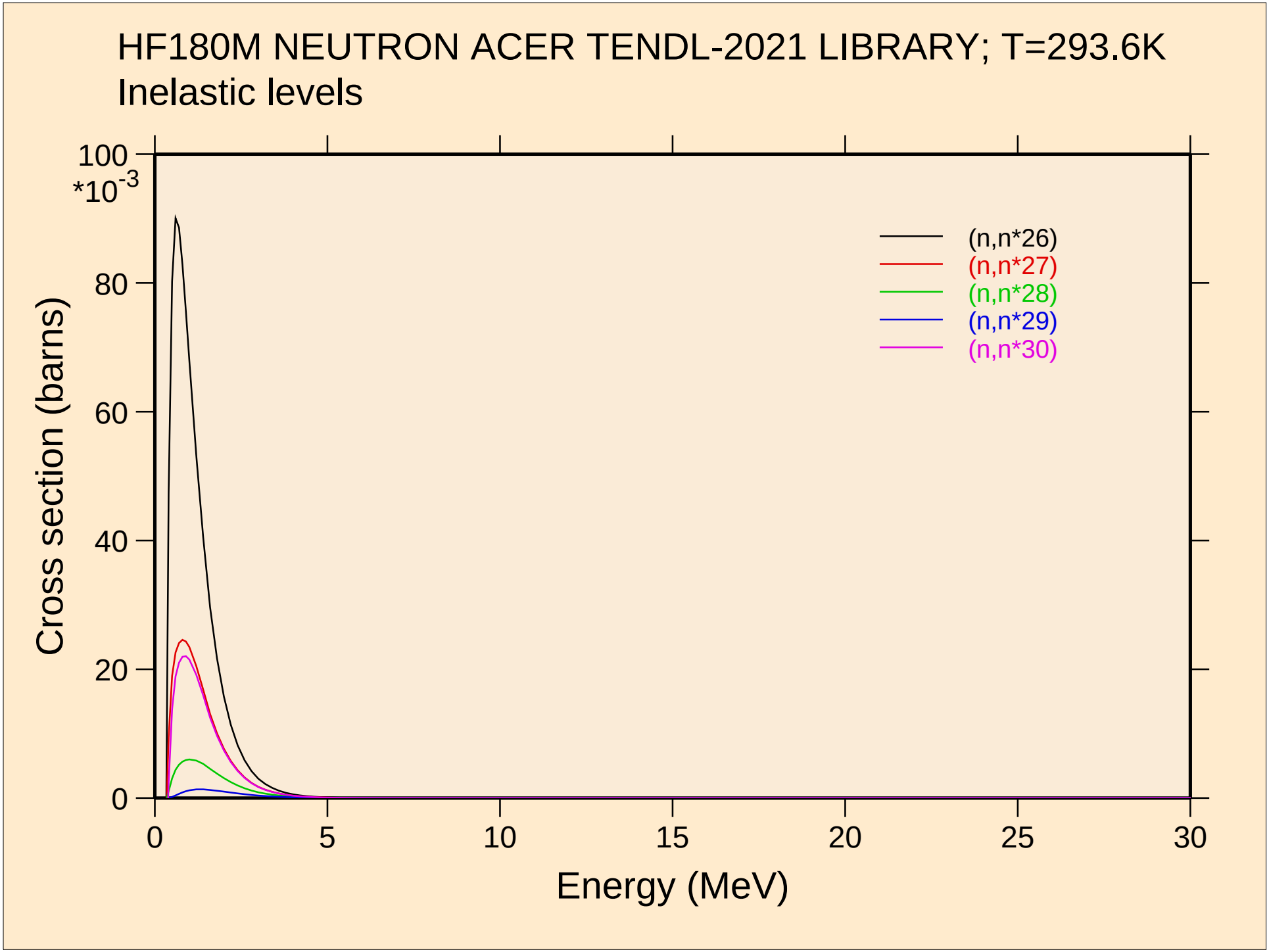

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
Energy (MeV)
0
2
4
6
8
10
0
5
10
15
20
25
30
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

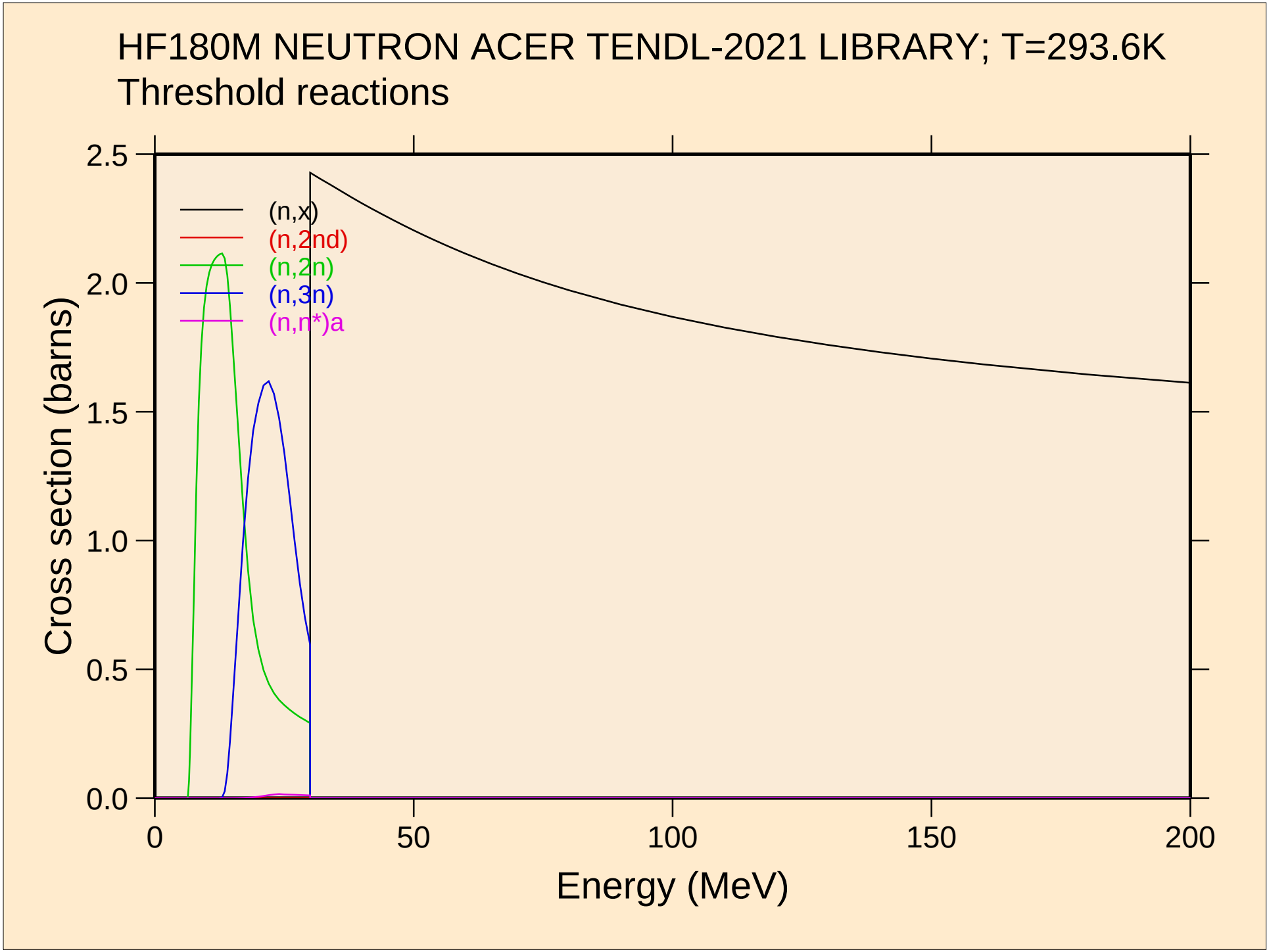

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
*10-3
12
10
8
6
4
2
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

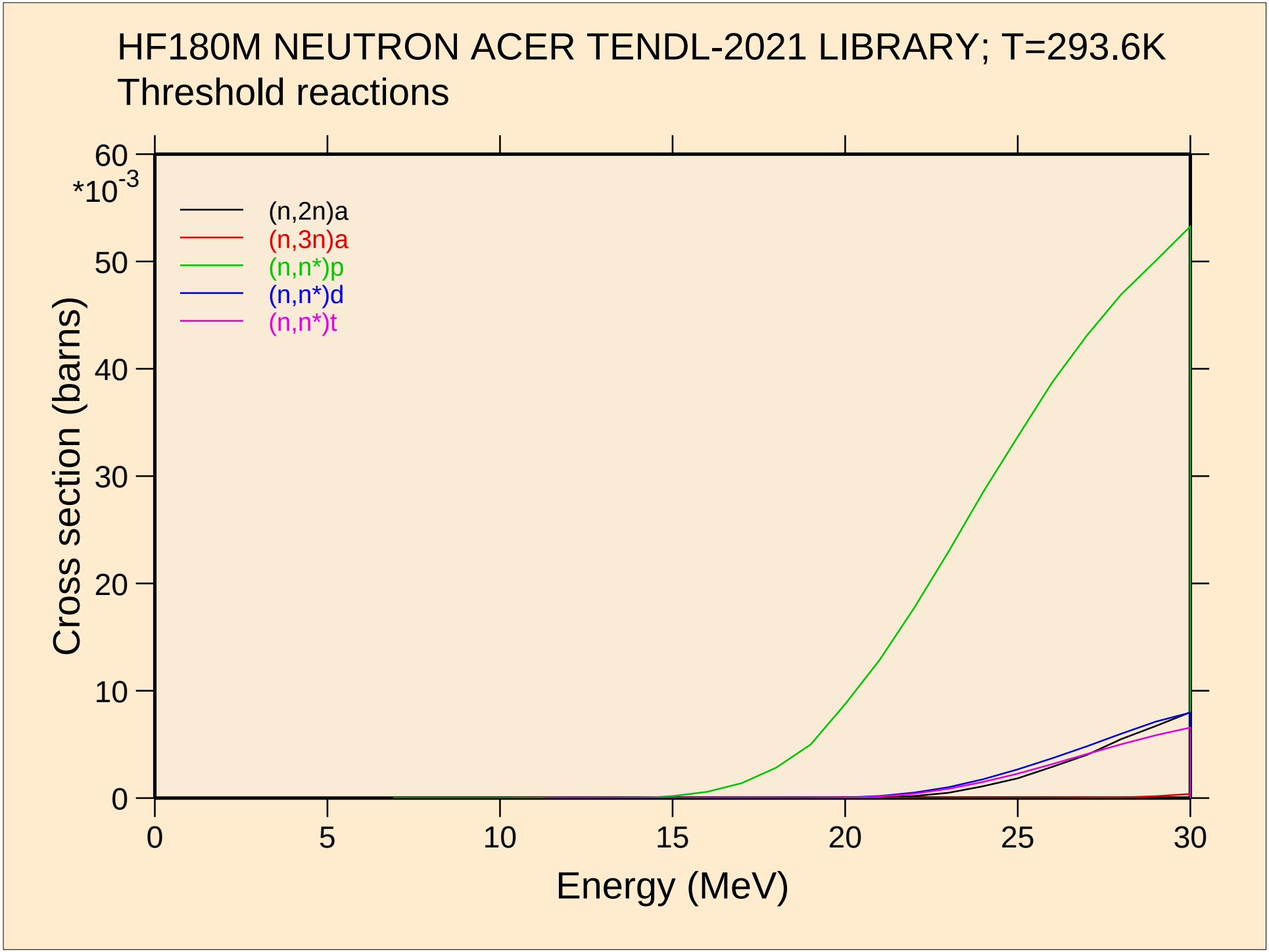

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
*10-6
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

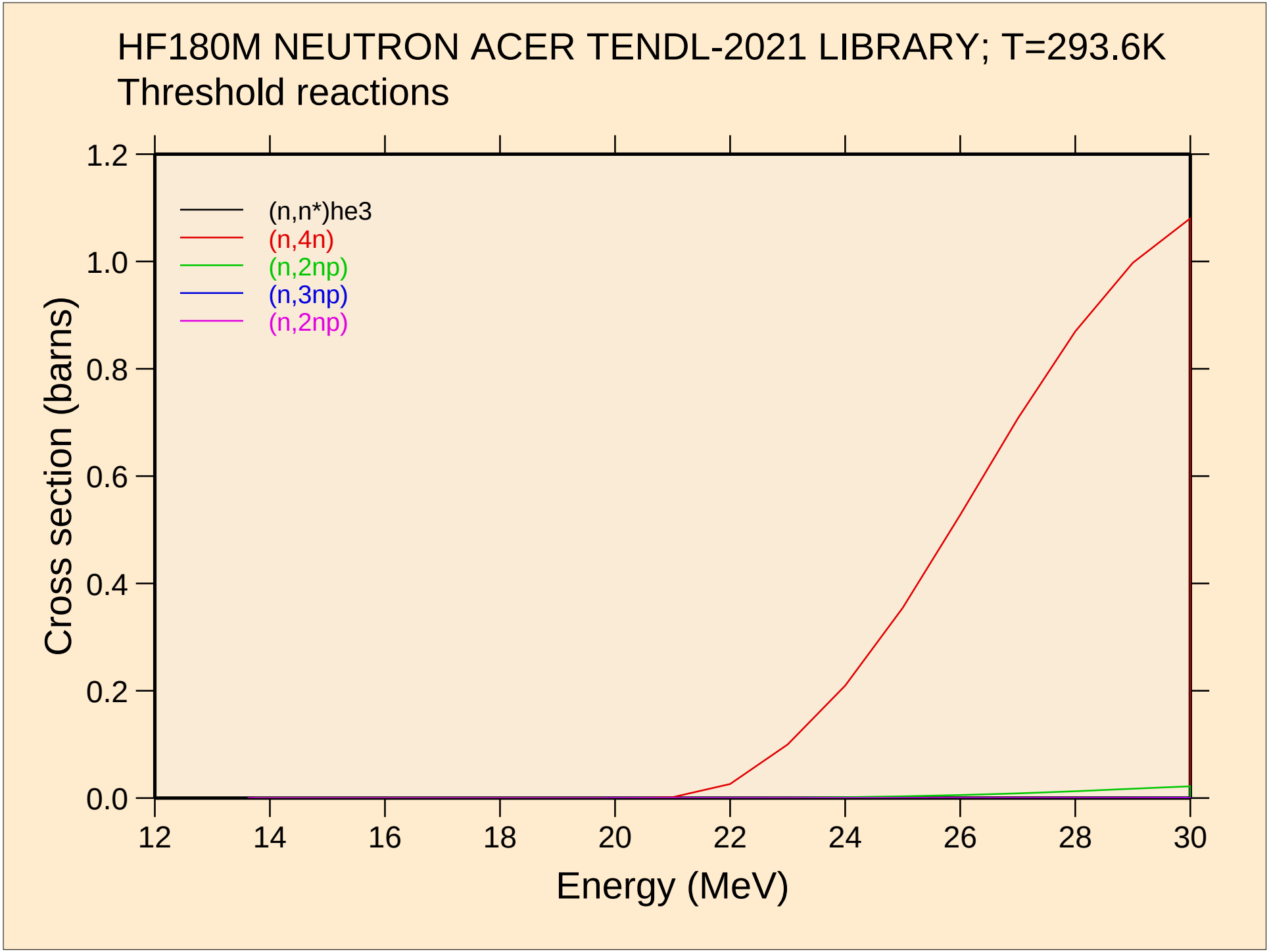

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
20
25
30
(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

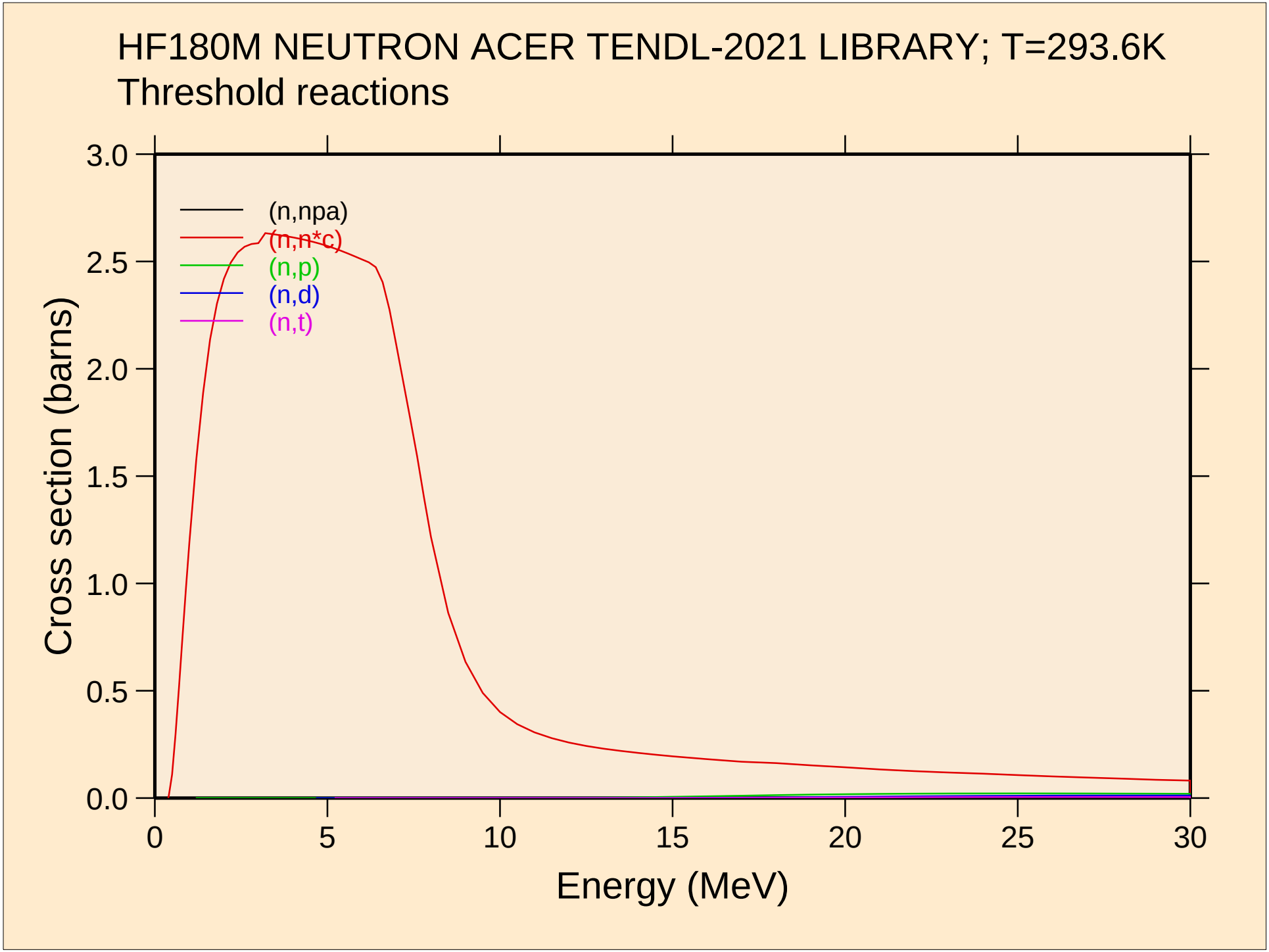

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
120
*10-3
100
80
60
40
20
0
Cross section (barns)
0
5
10
15
20
25
30
Energy (MeV)
(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)

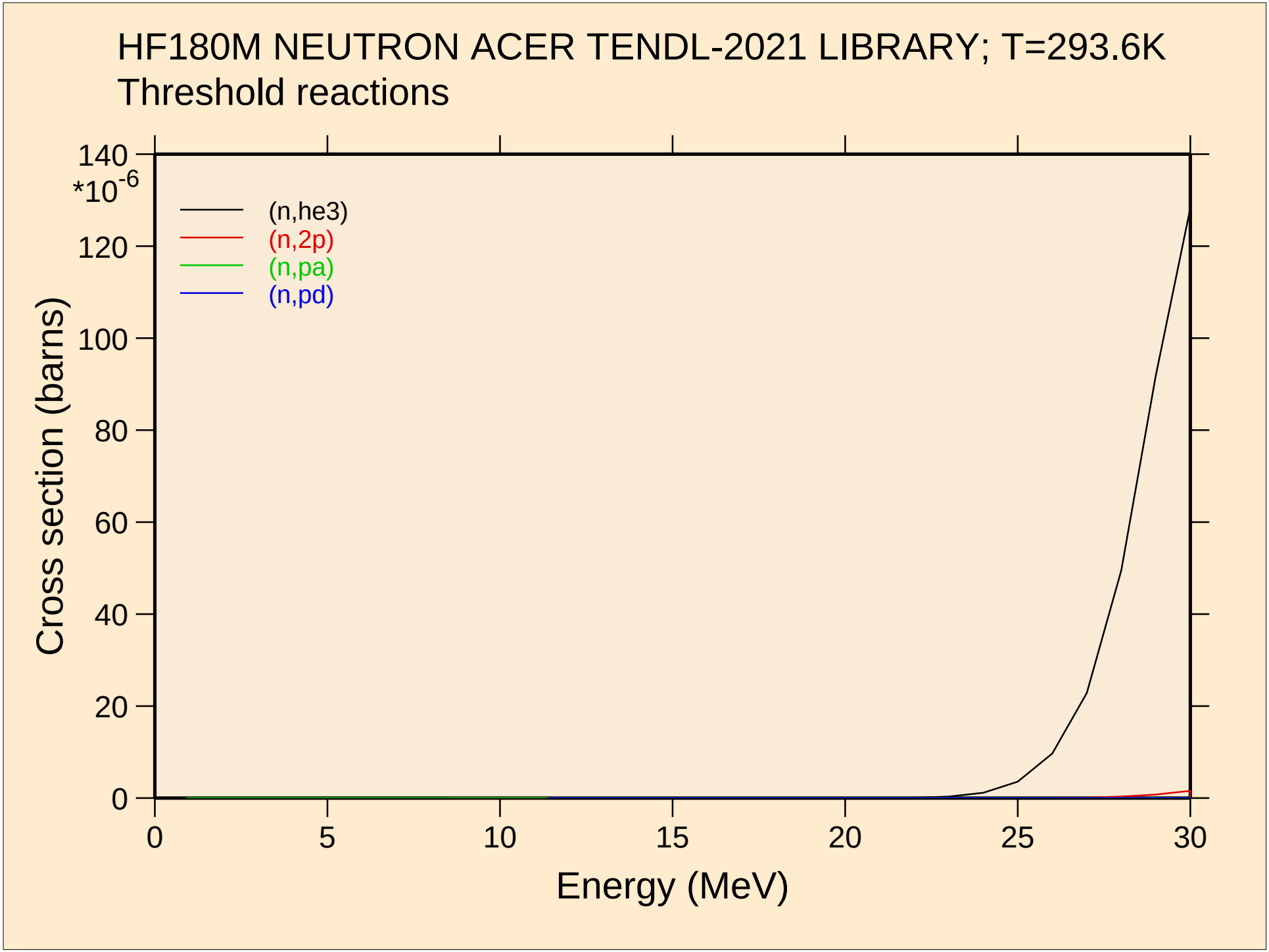

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels
100
*10-3
80
60
40
20
0
Cross section (barns)
0
5
10
15
20
25
30
Energy (MeV)
(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

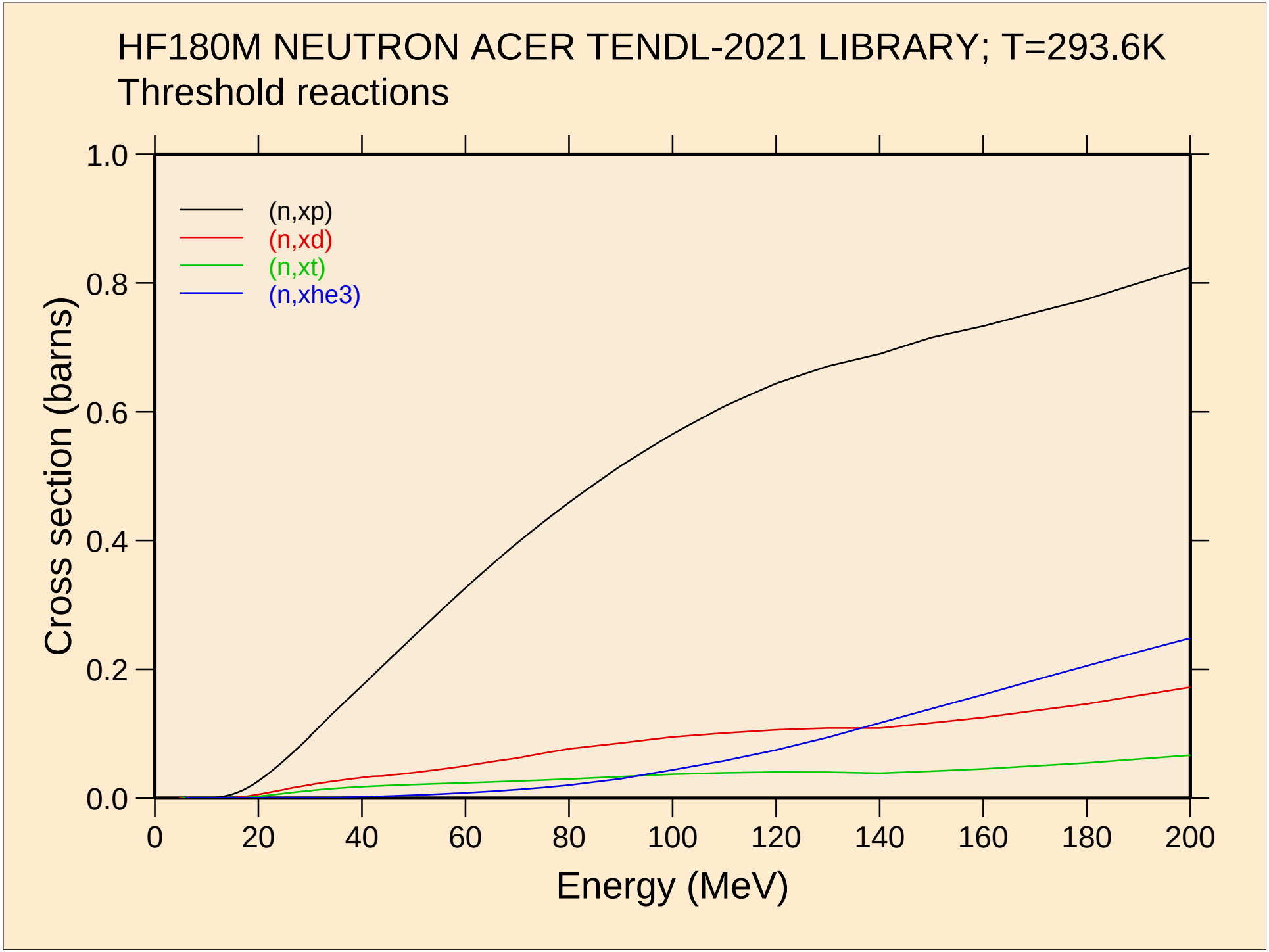

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
(n,x)
(n,2nd)
(n,2n)
(n,3n)
(n,n*)a
Cross section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
Energy (MeV)

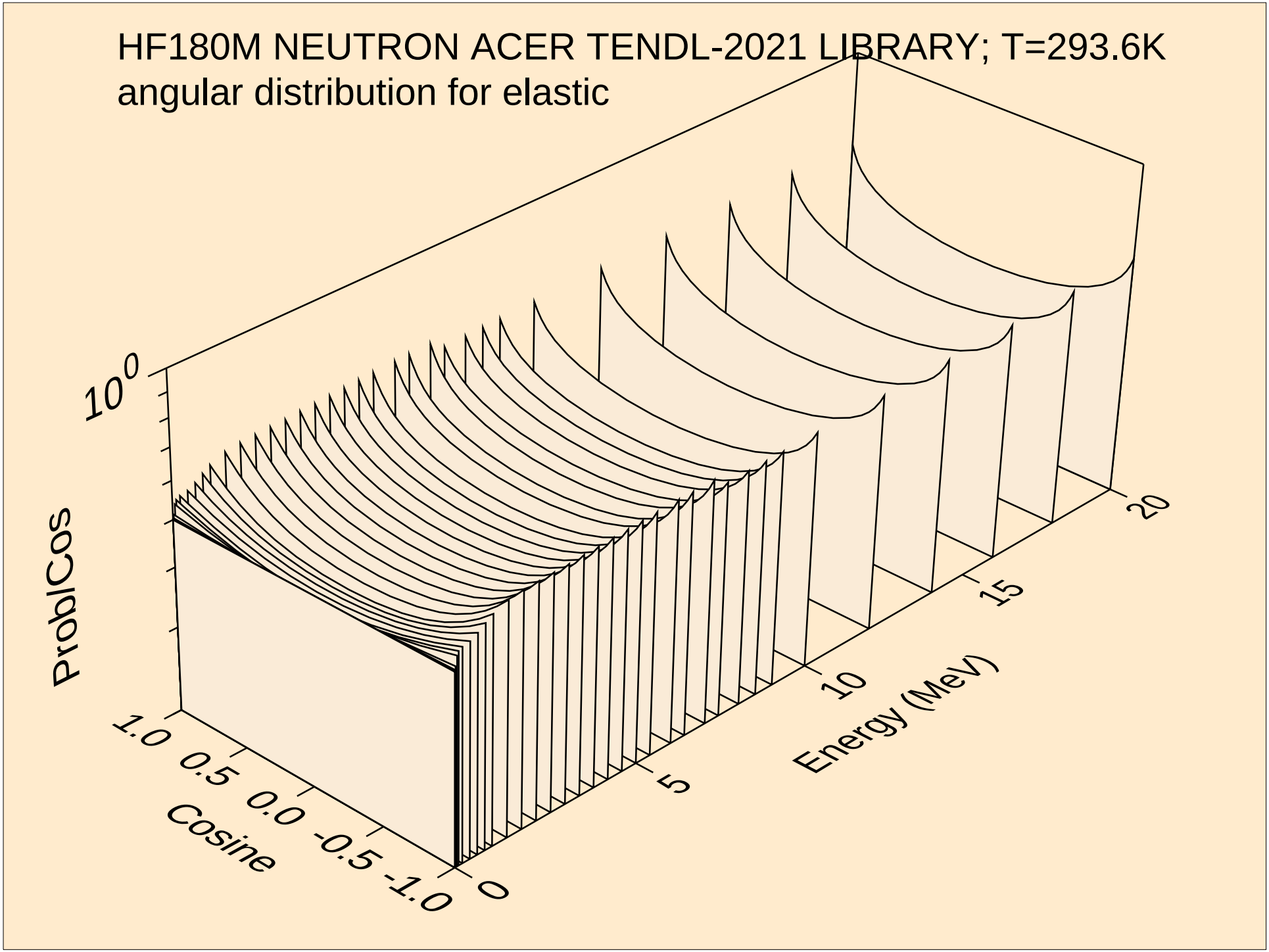

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
*10-3
(n,2n)a
(n,3n)a
(n,n*)p
(n,n*)d
(n,n*)t
Cross section (barns)
Energy (MeV)
0
10
20
30
40
50
60
0
5
10
15
20
25
30

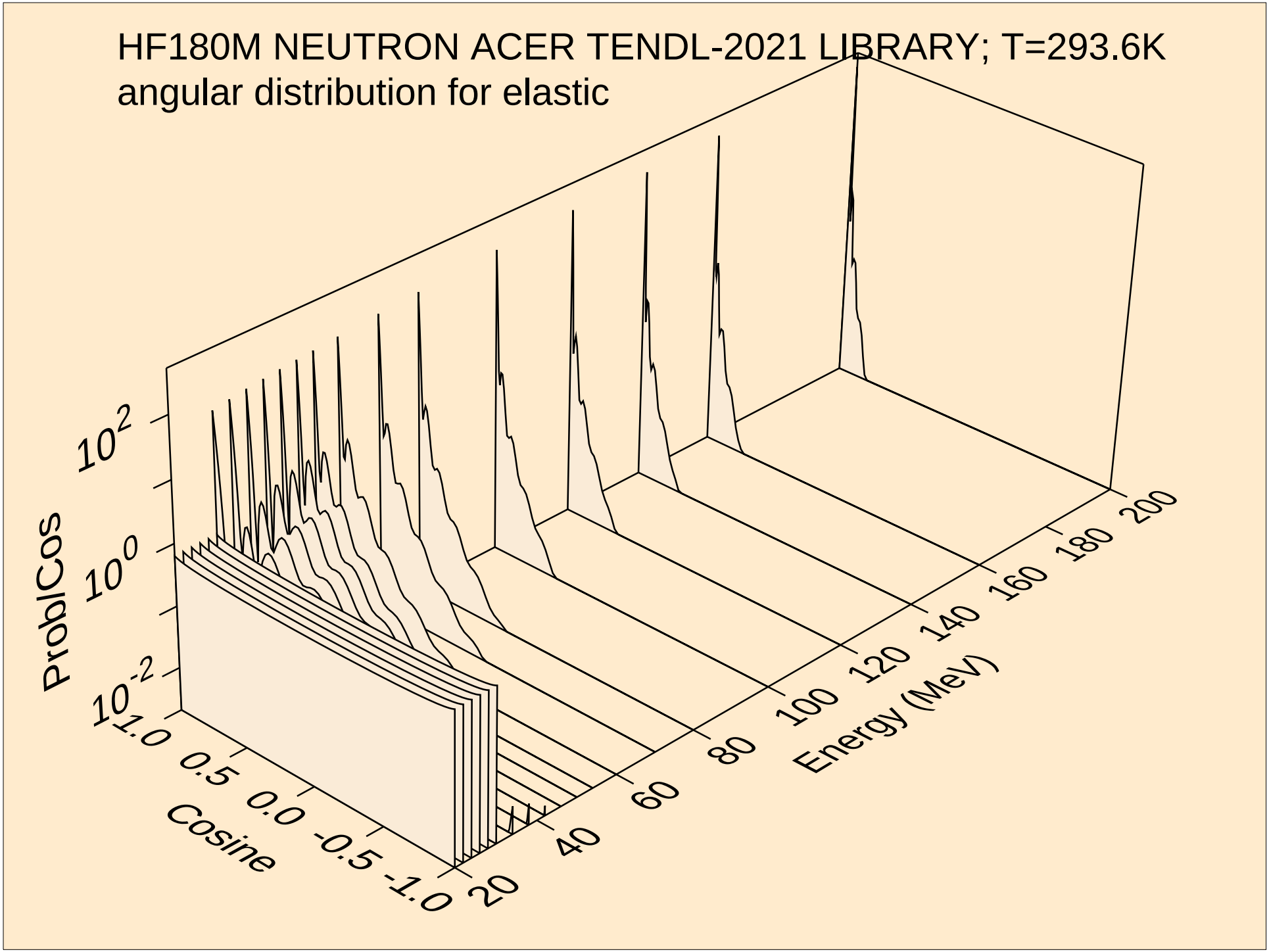

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
(n,n*)he3
(n,4n)
(n,2np)
(n,3np)
(n,2np)
Cross section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

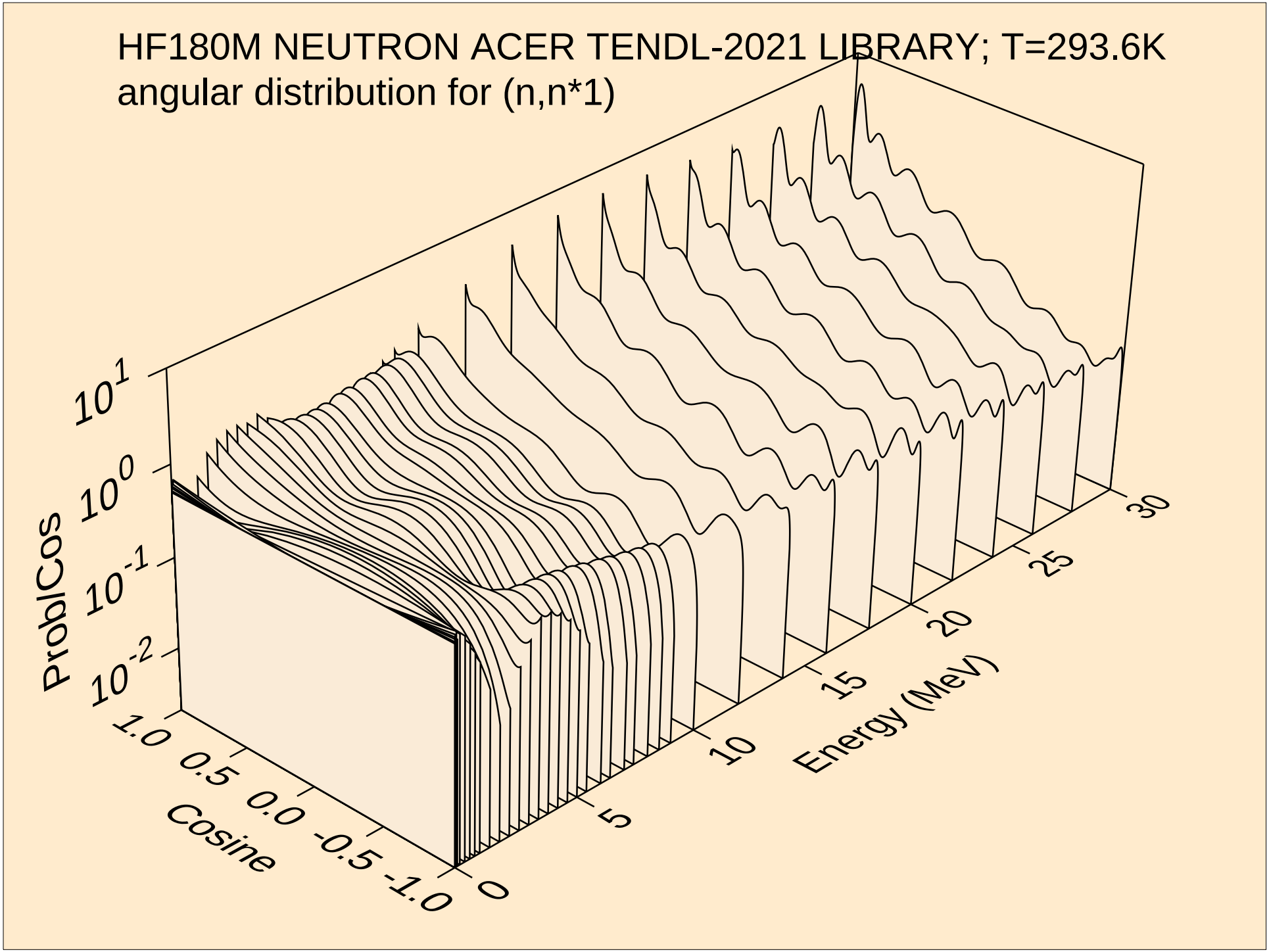

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
(n,npa)
(n,n*c)
(n,p)
(n,d)
(n,t)
Cross section (barns)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
5
10
15
20
25
30

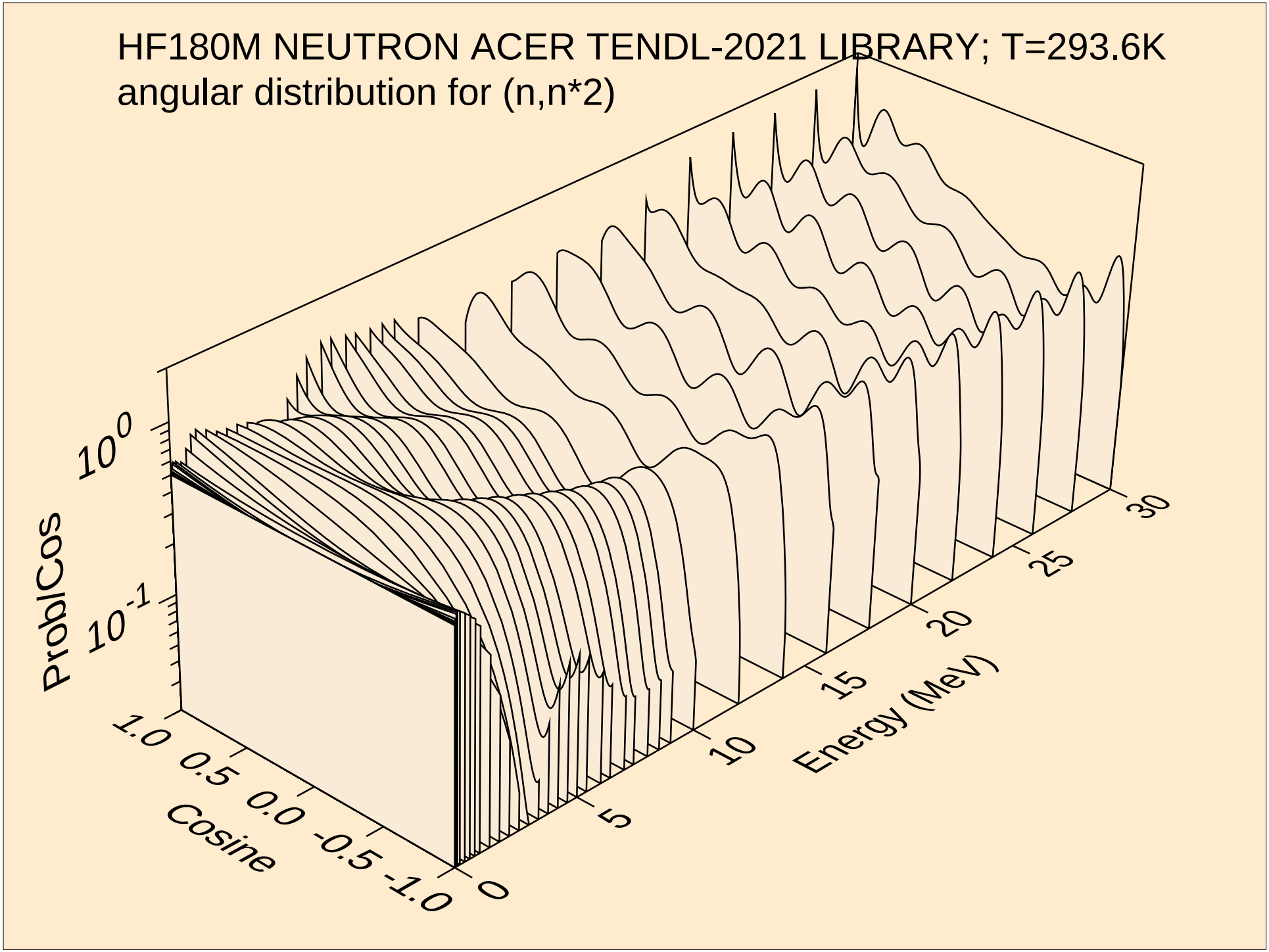

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
*10-6
140
120
100
80
60
40
20
0
(n,he3)
(n,2p)
(n,pa)
(n,pd)
Cross section (barns)
0
5
10
15
20
25
30
Energy (MeV)

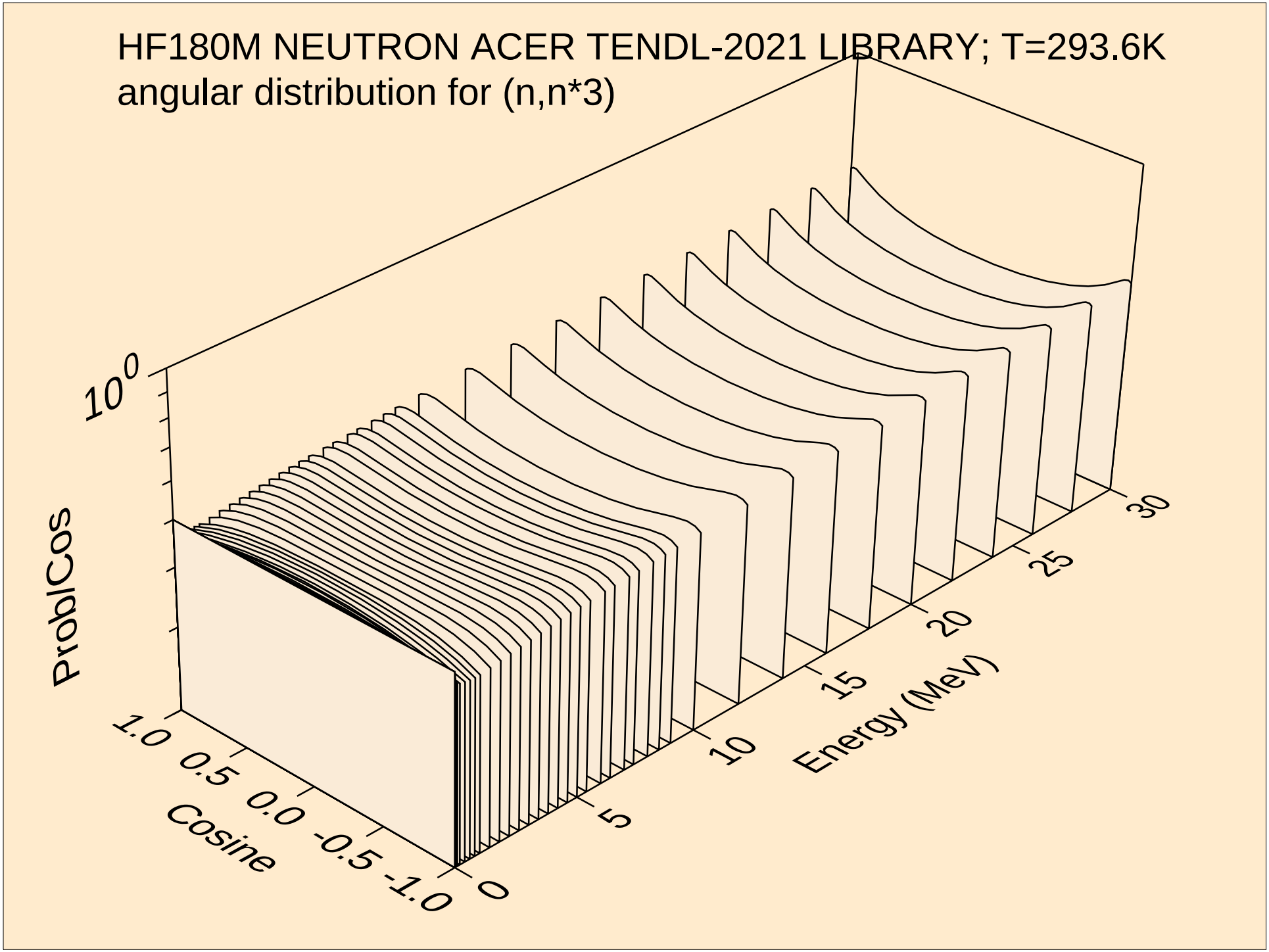

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions
(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
Cross section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

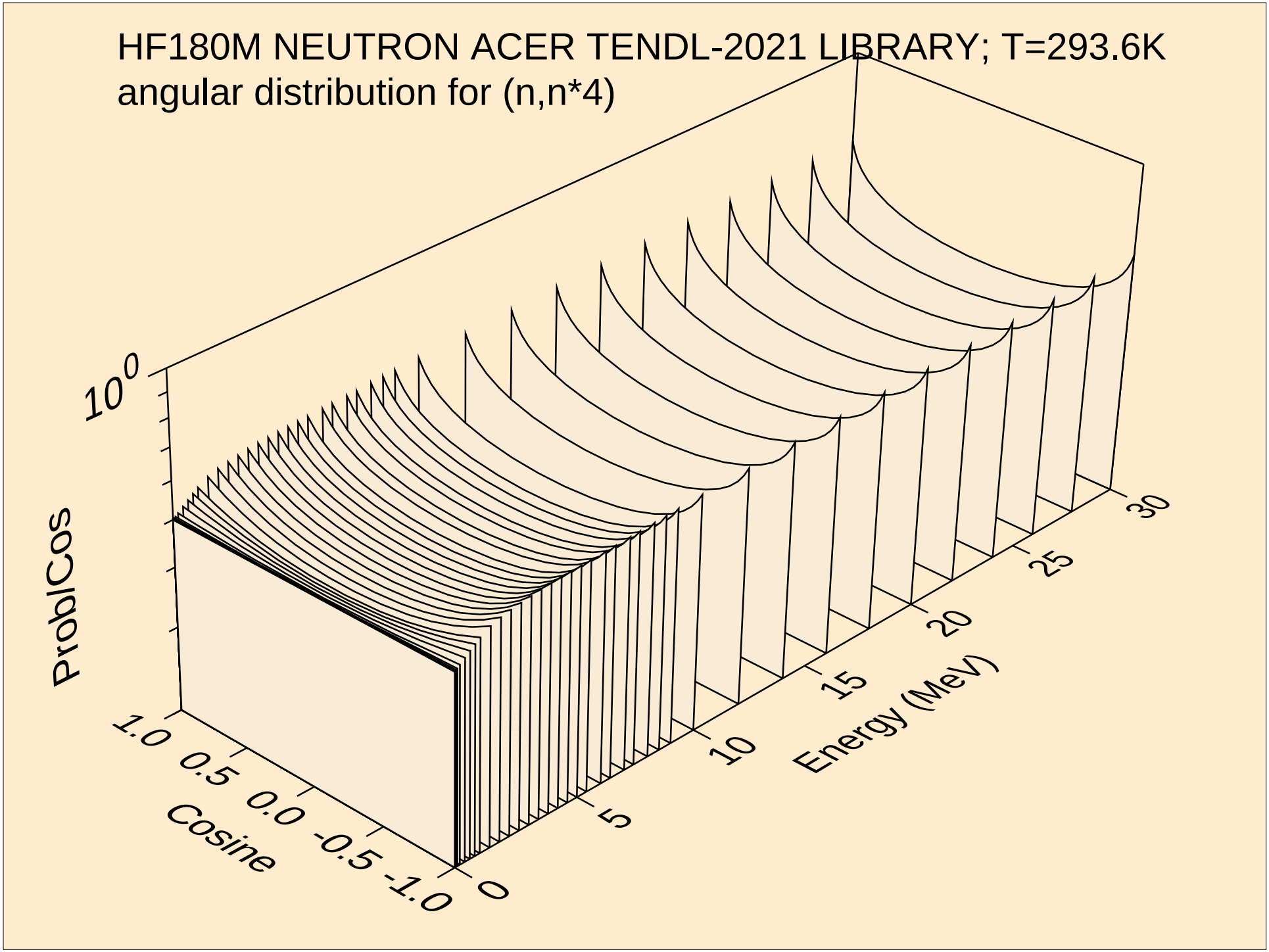

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)

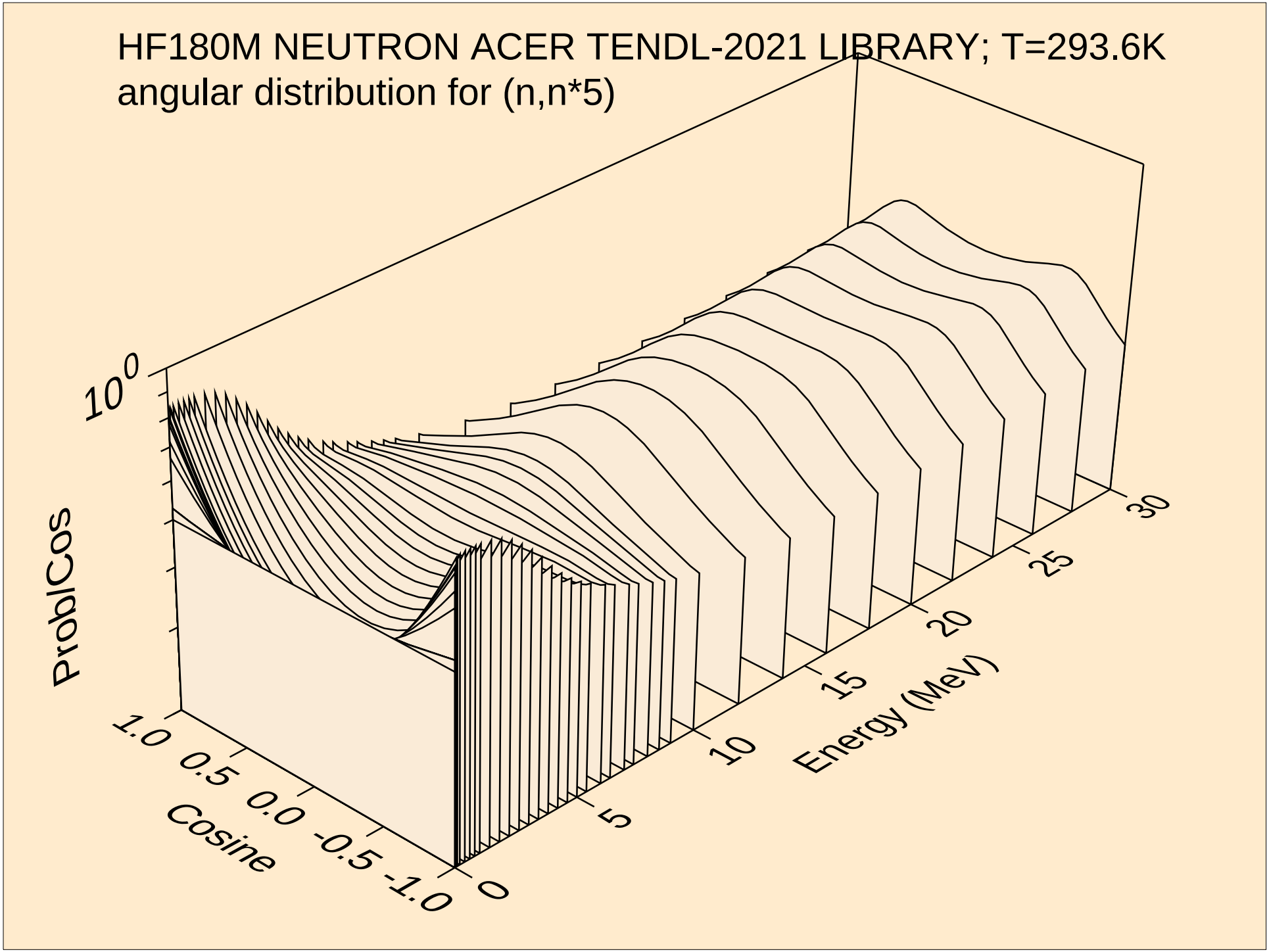

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic
ProbICos
10^{2}
10^{0}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

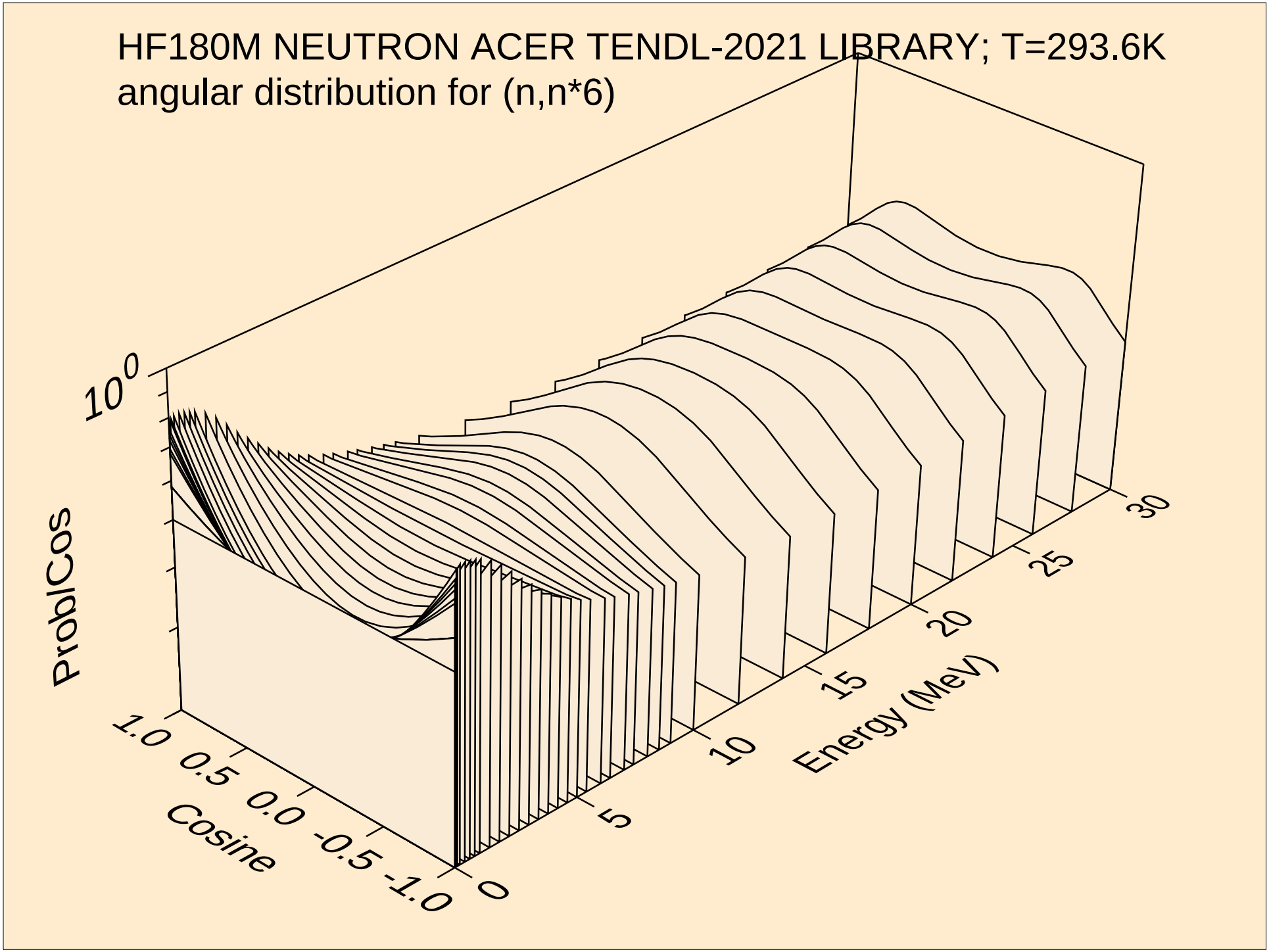

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*1)
Prob\Cos
10^{1}
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

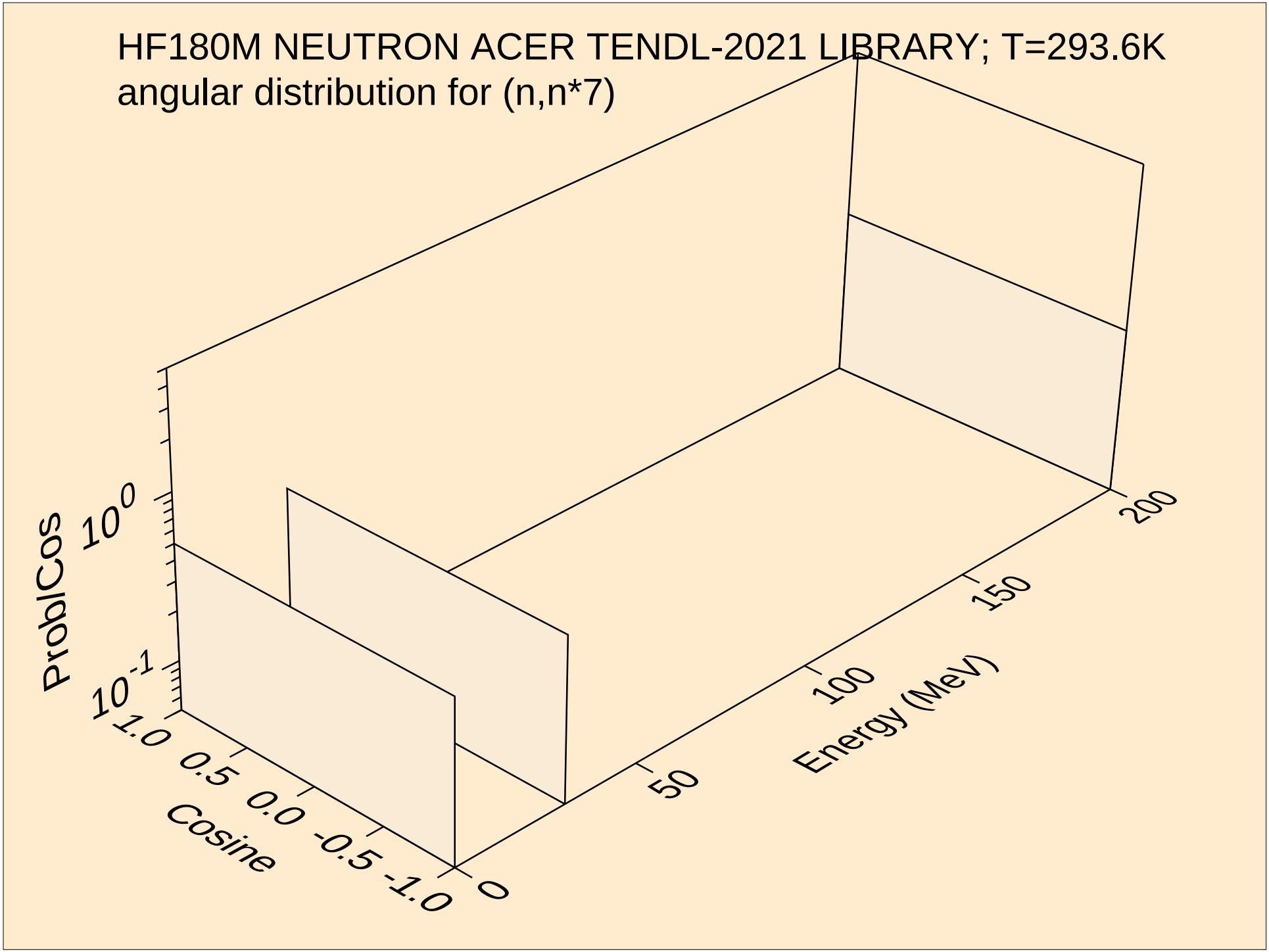

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*2)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

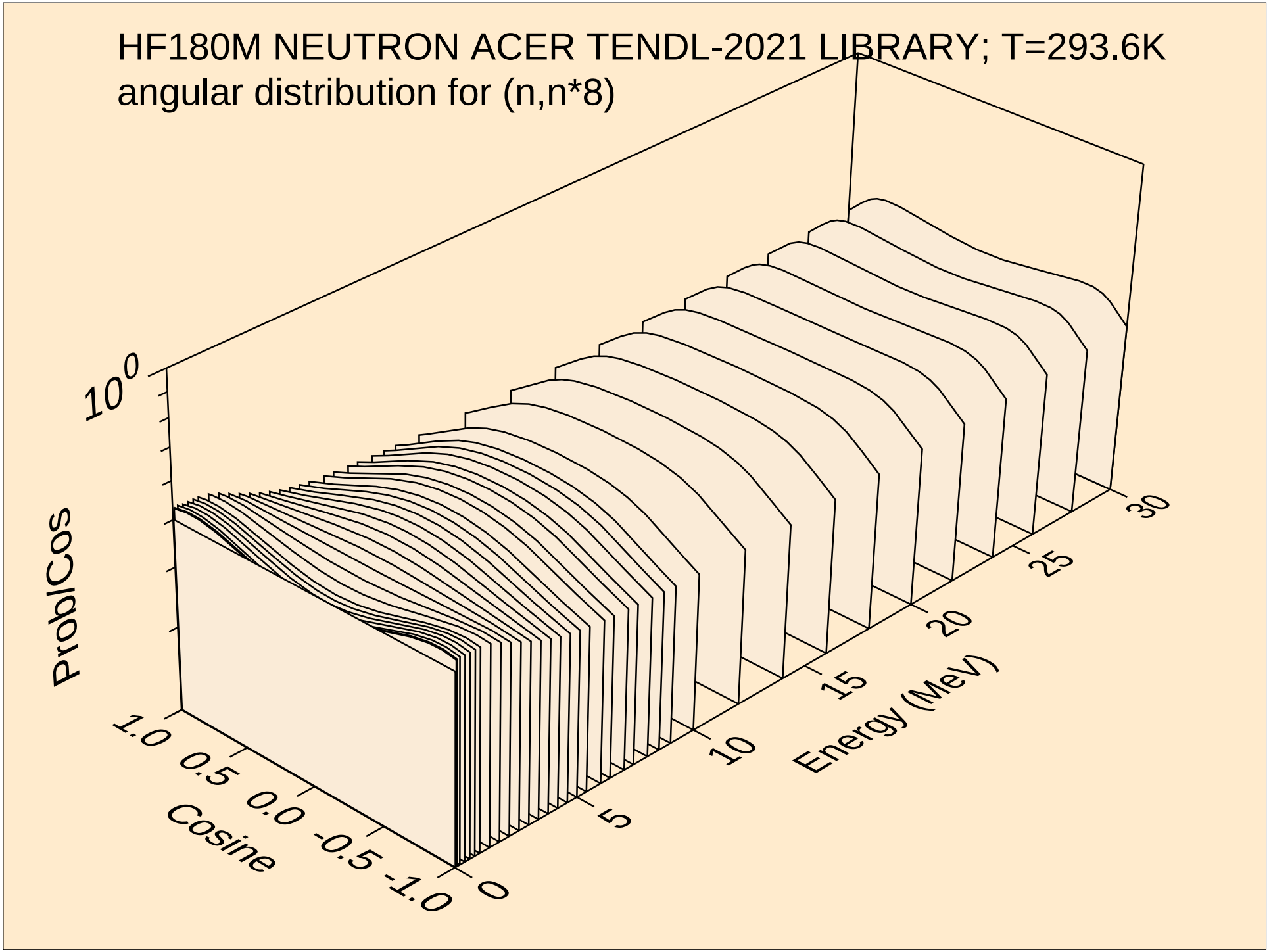

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*3)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

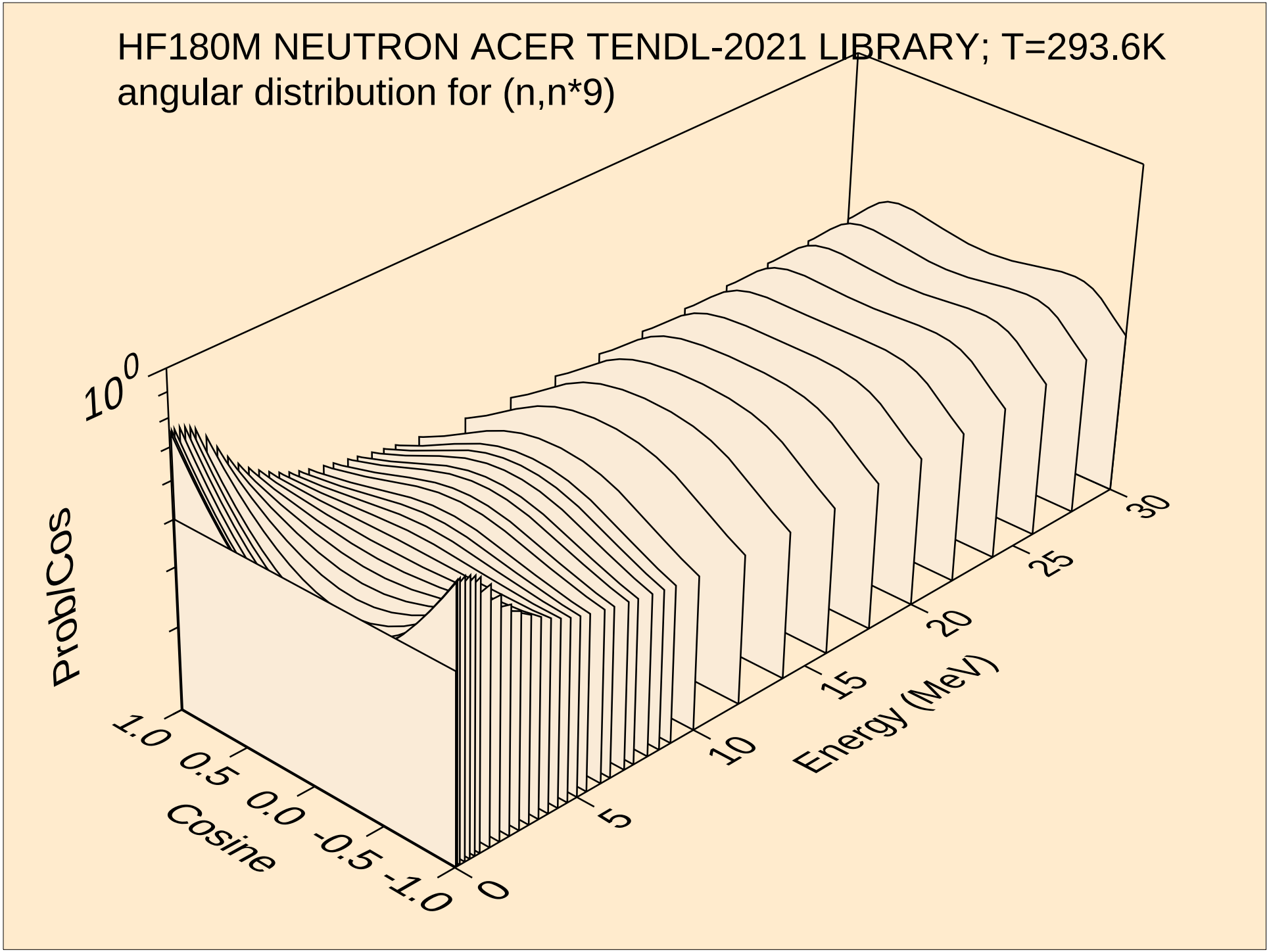

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*4)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

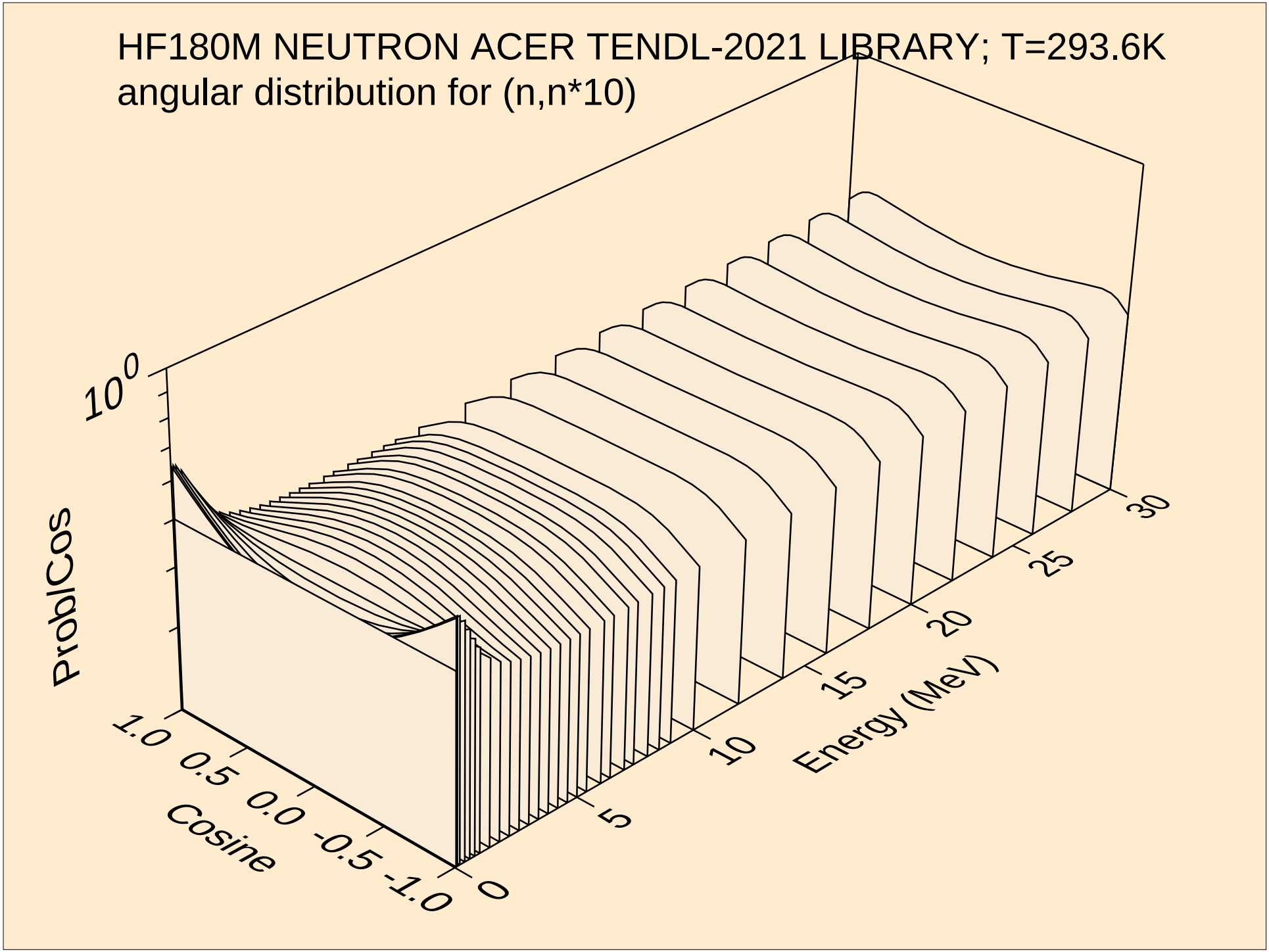

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*5)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

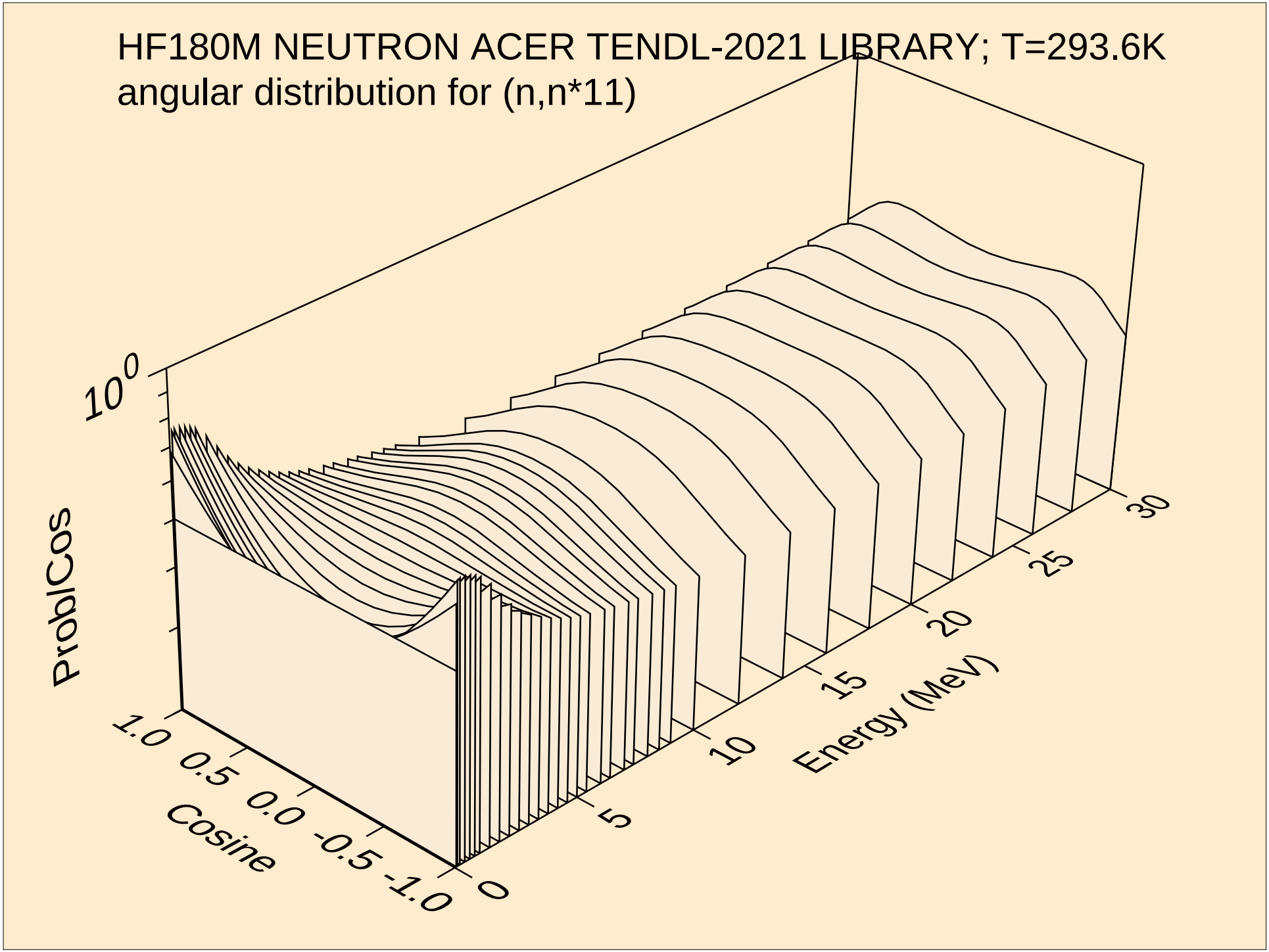

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*6)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

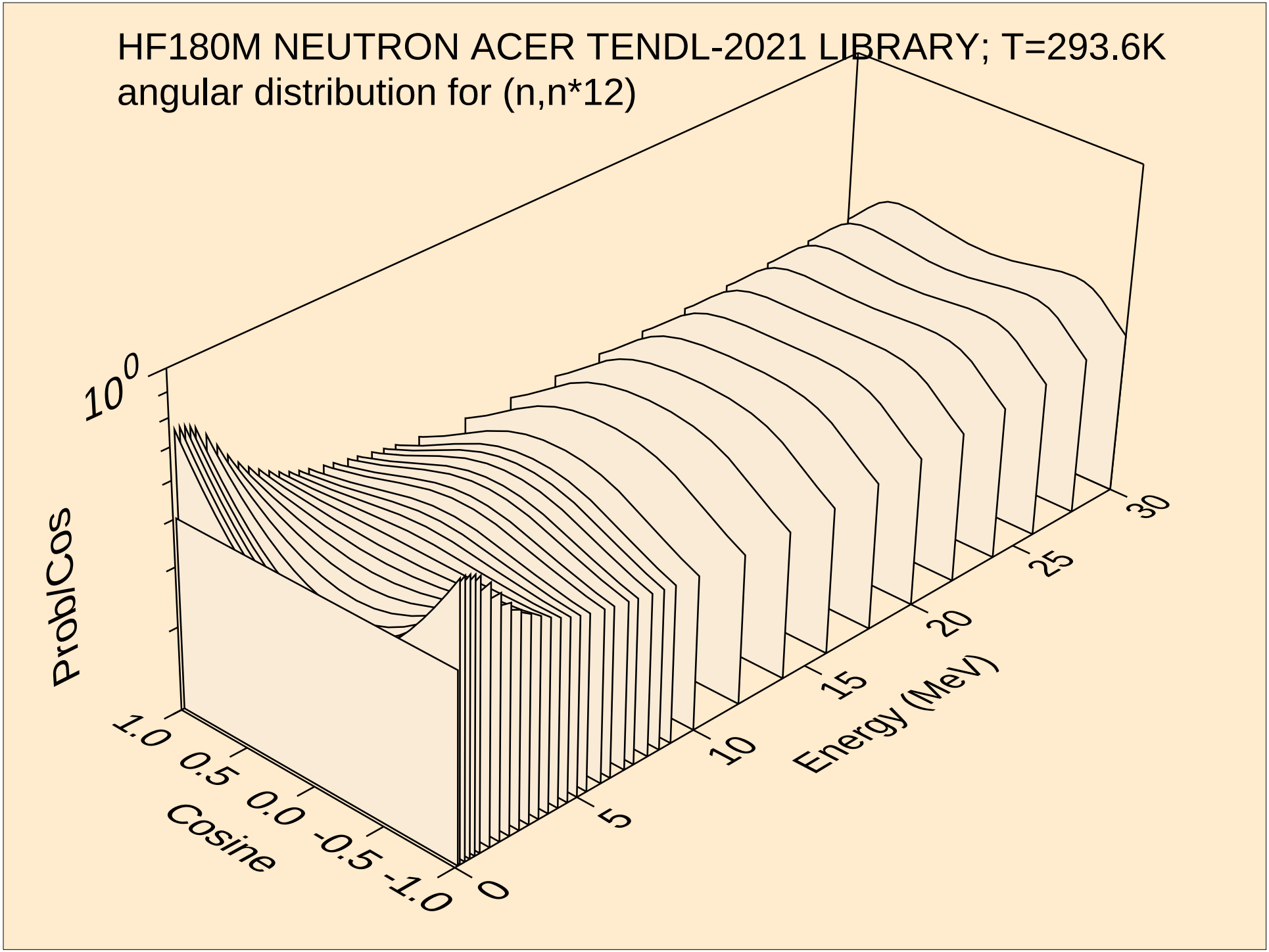

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*7)
Prob|Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
50
100
150
200
Energy (MeV)

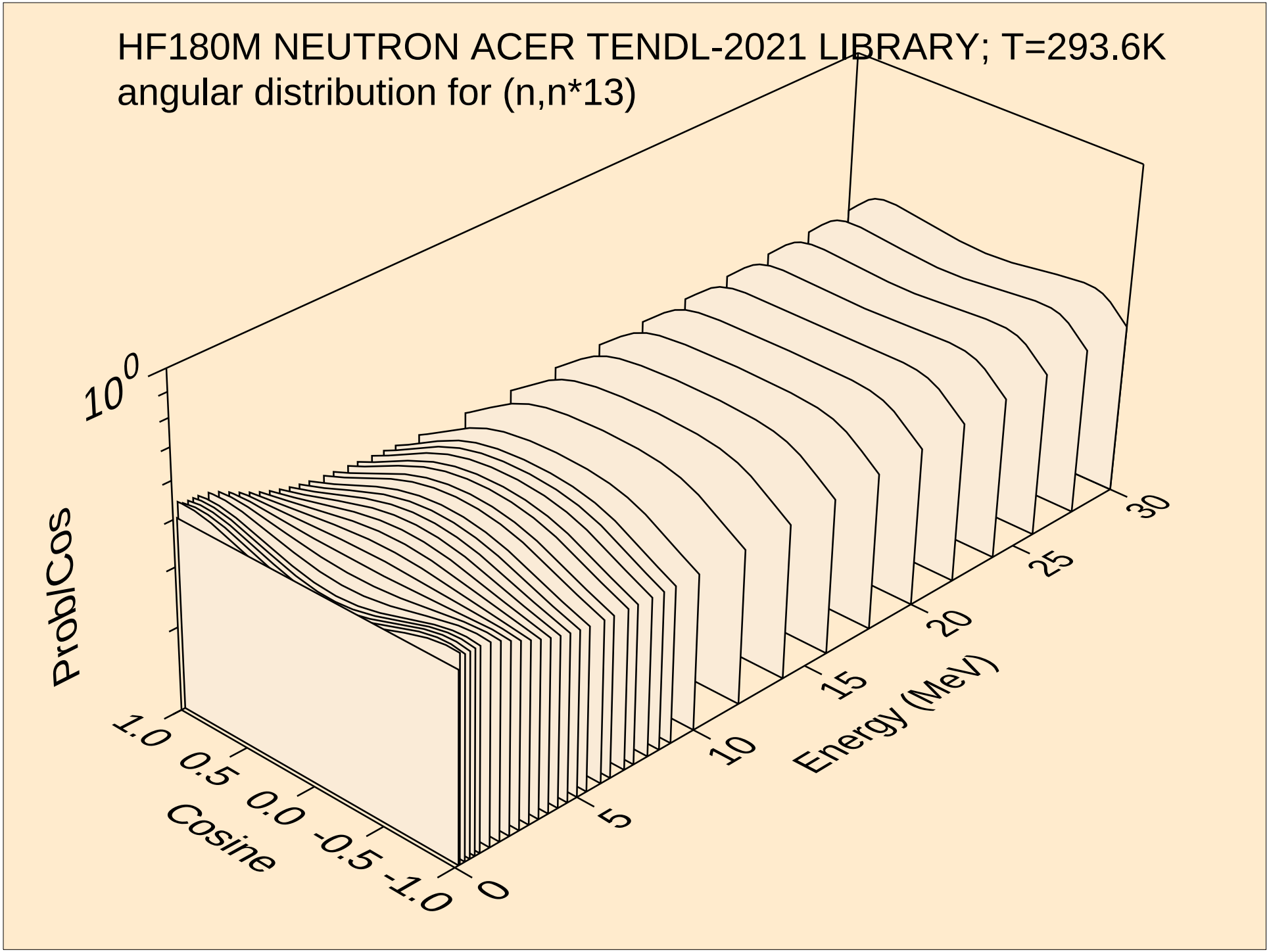

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*8)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

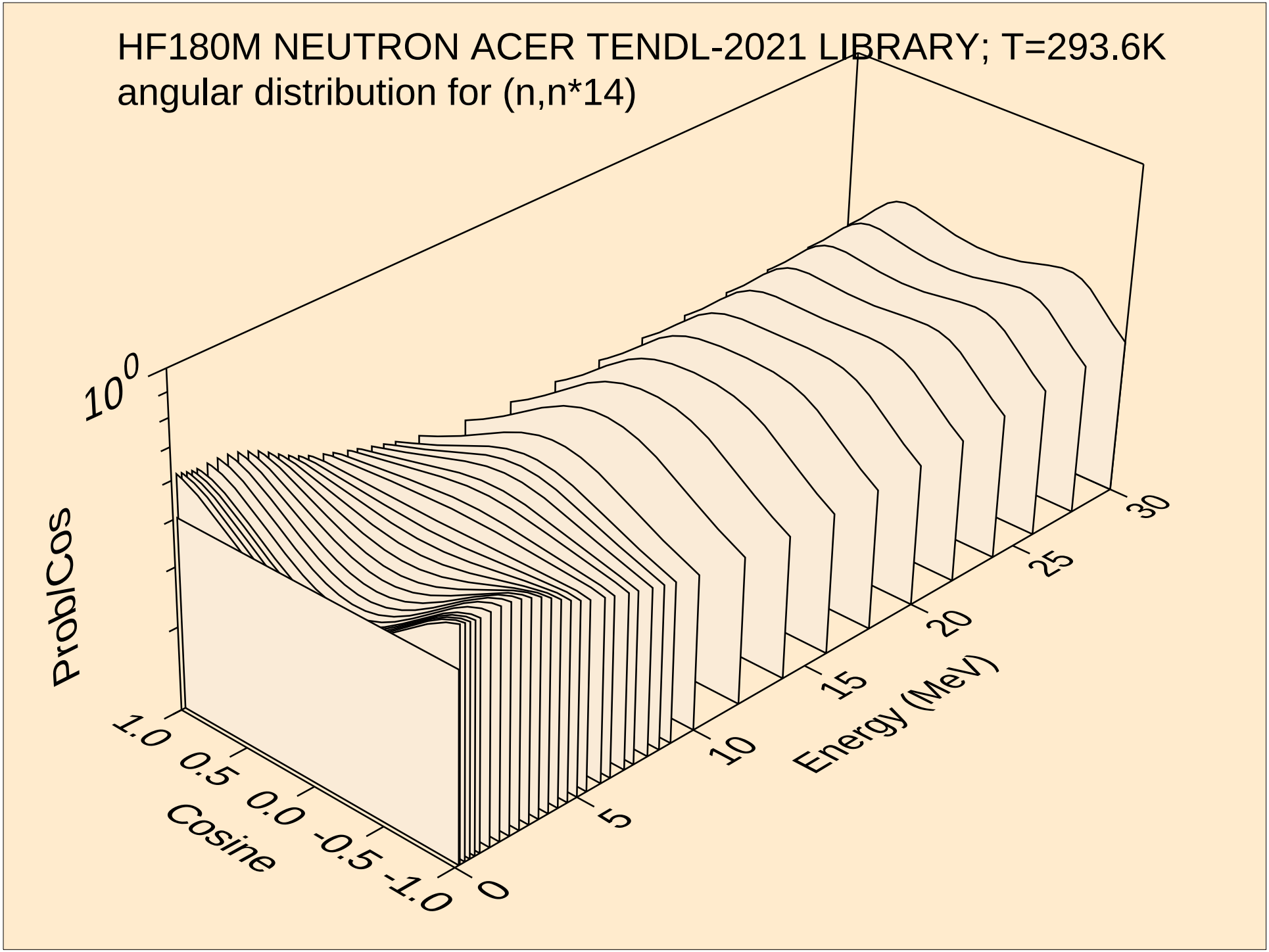

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*9)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

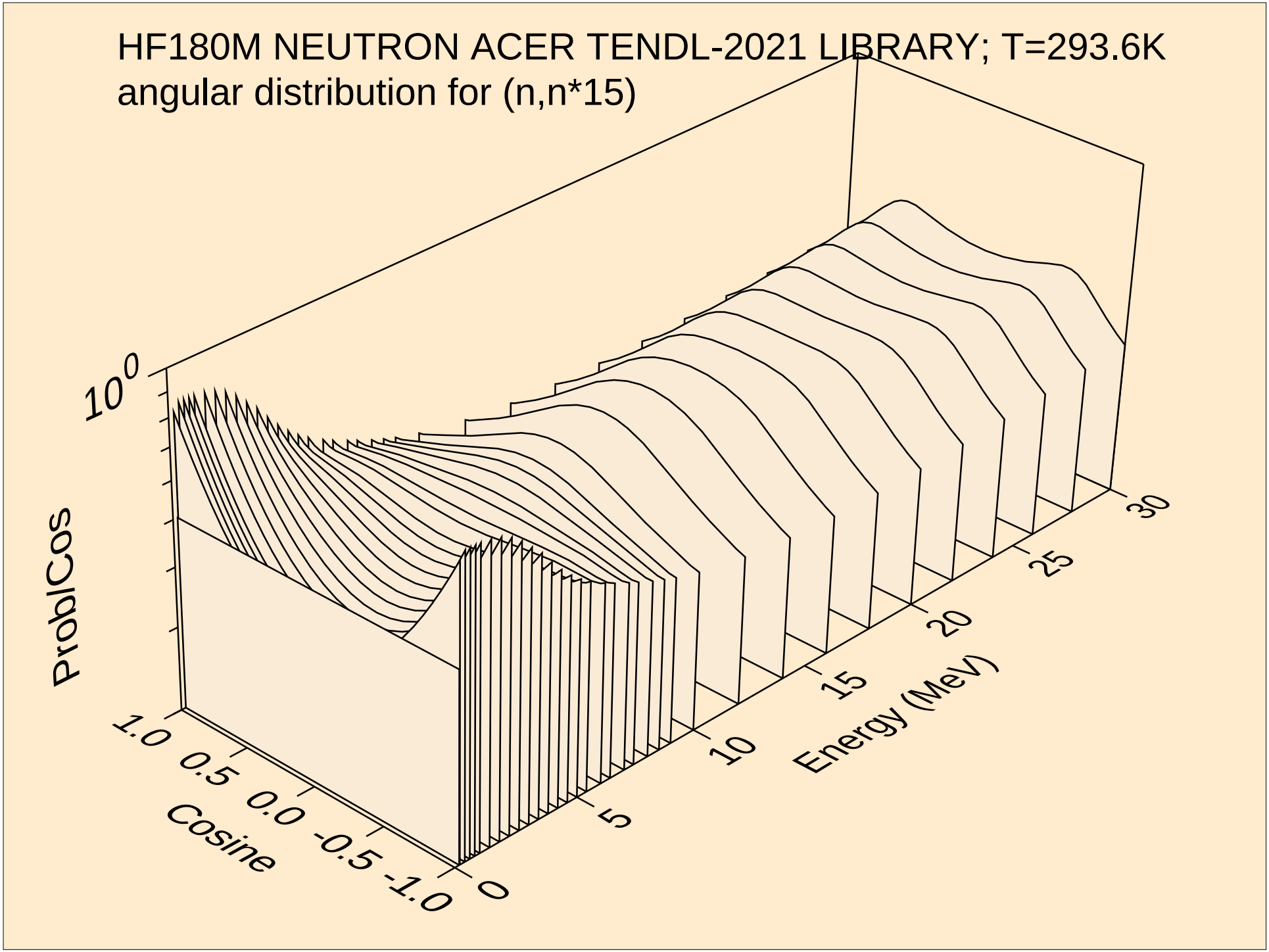

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*10)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

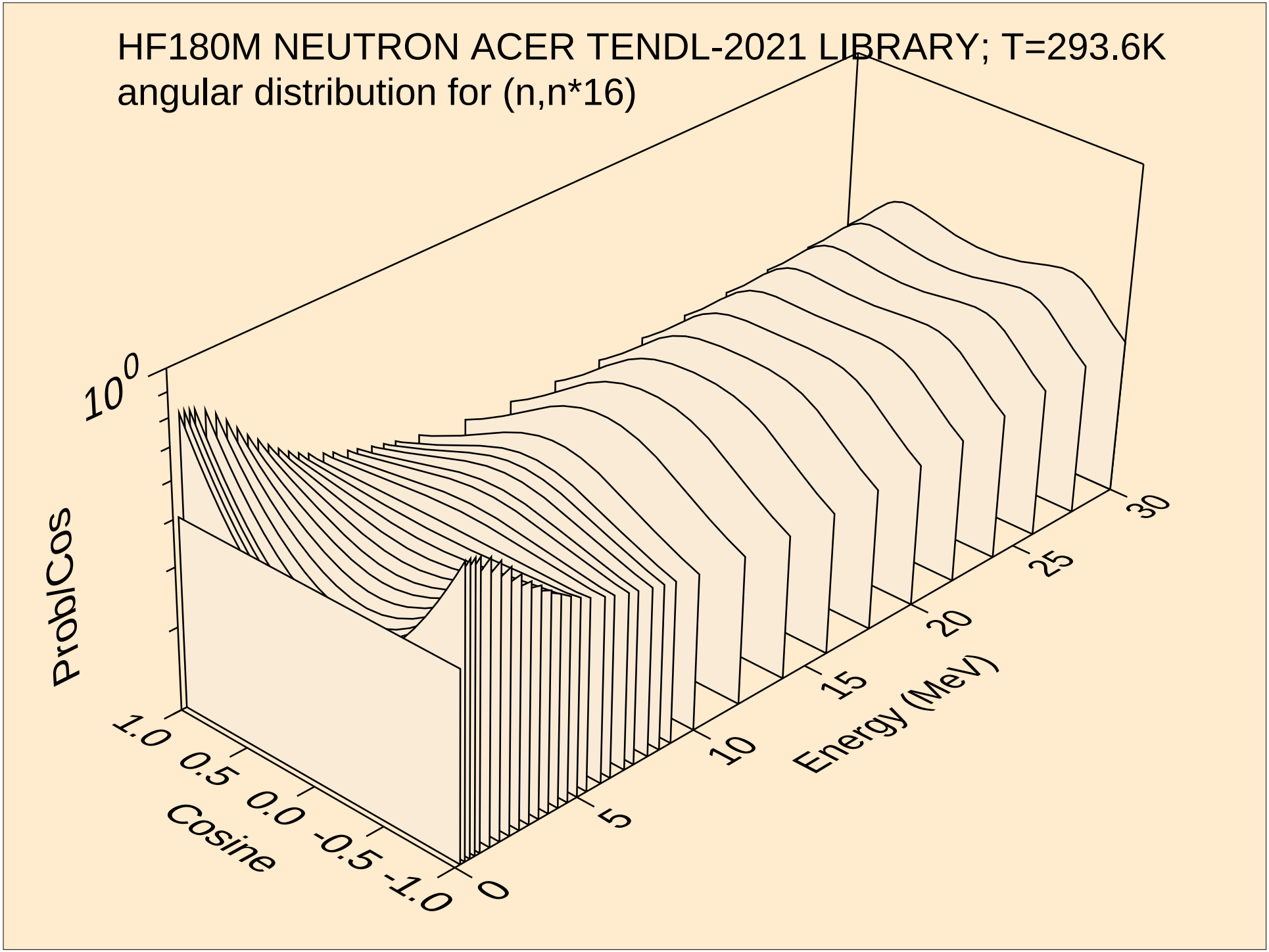

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*11)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

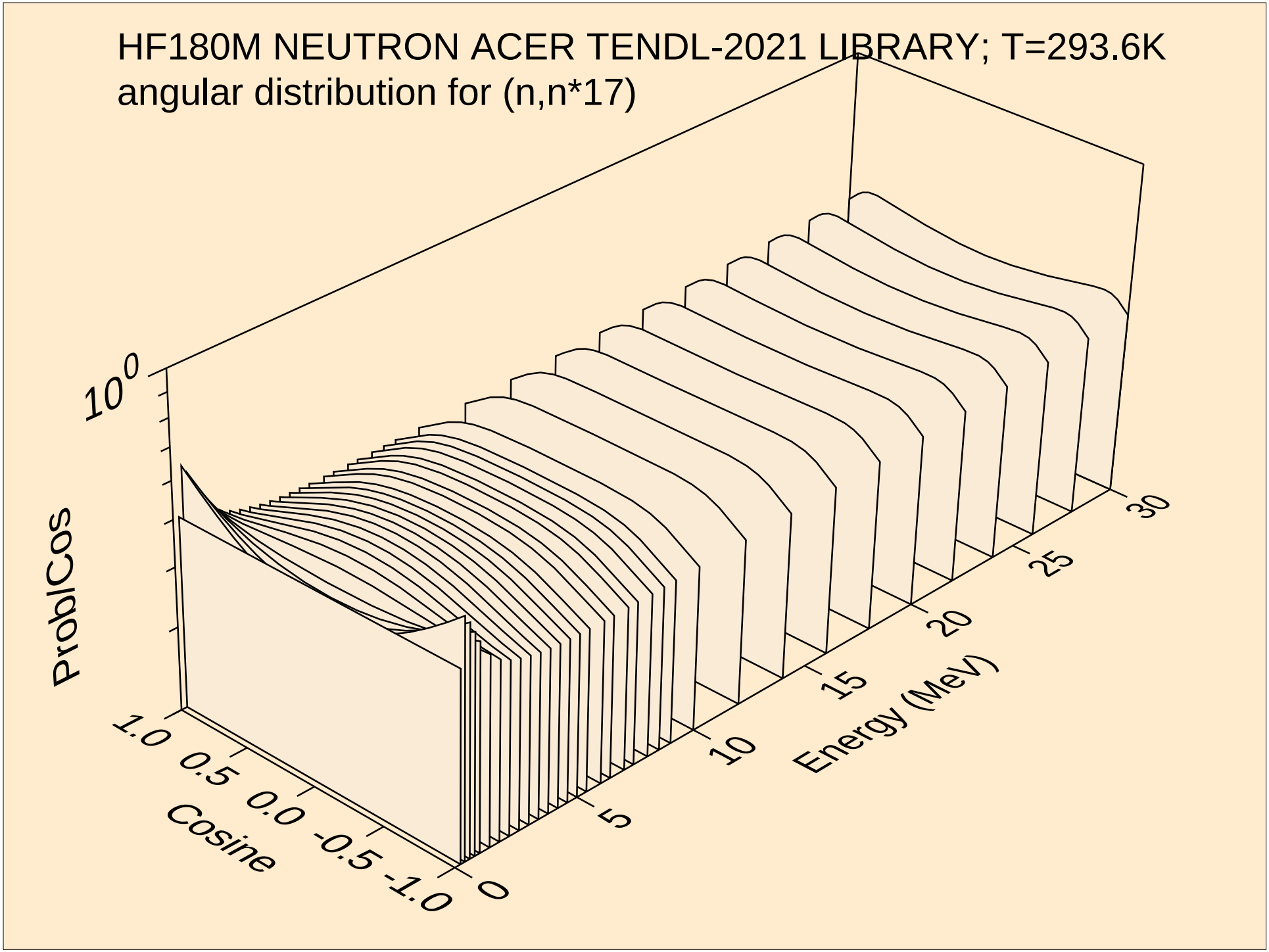

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*12)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

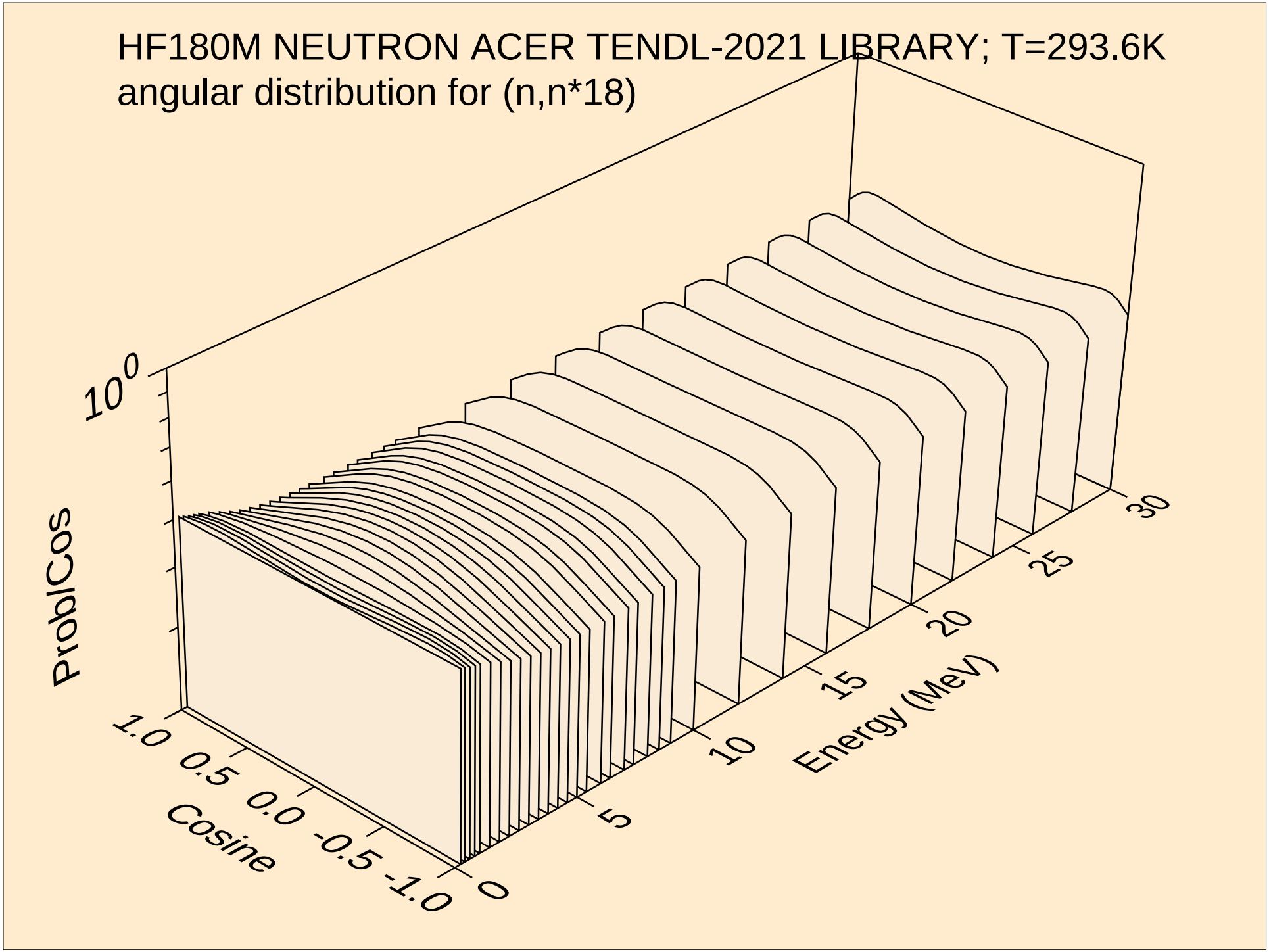

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*13)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

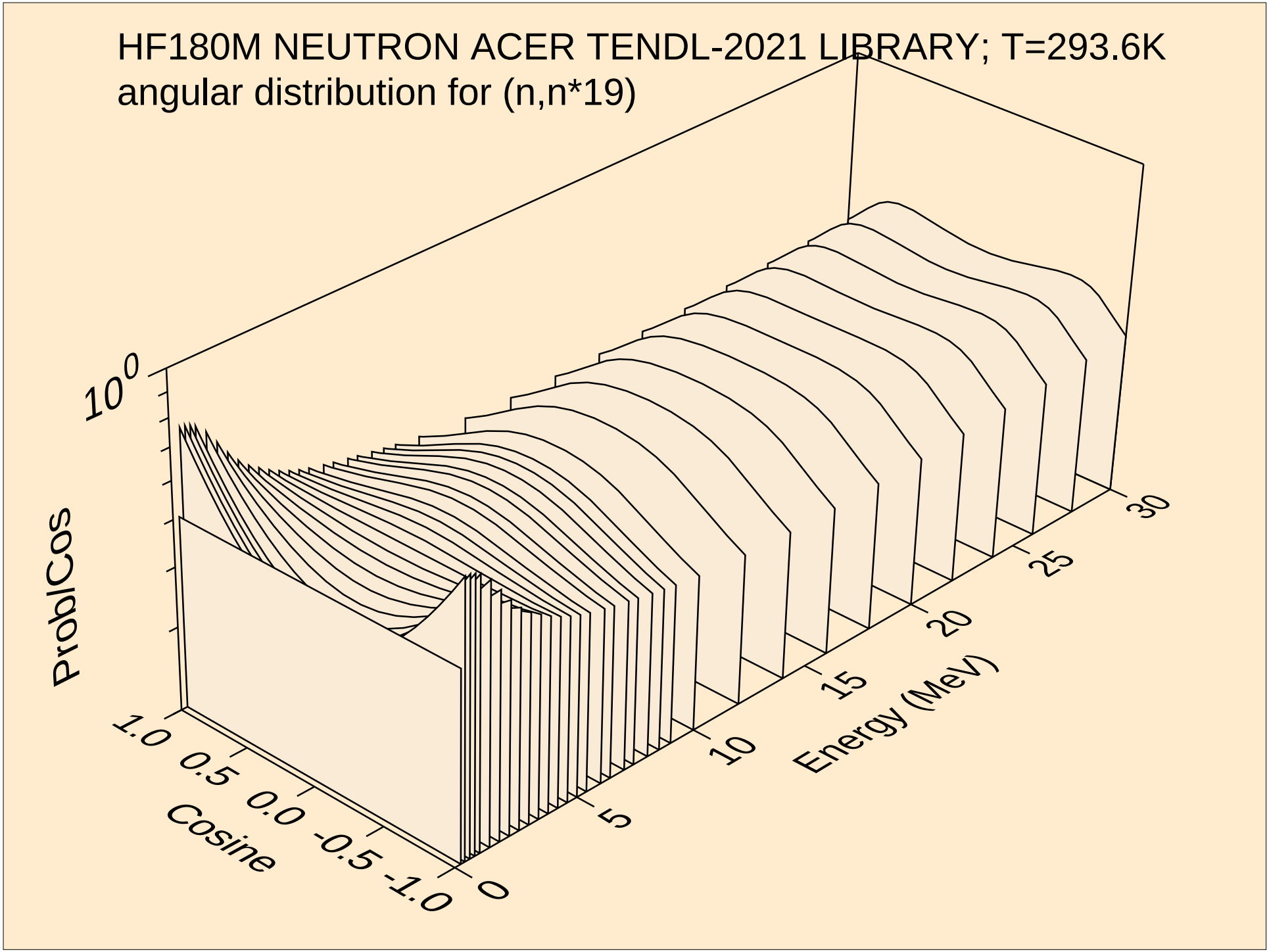

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*14)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

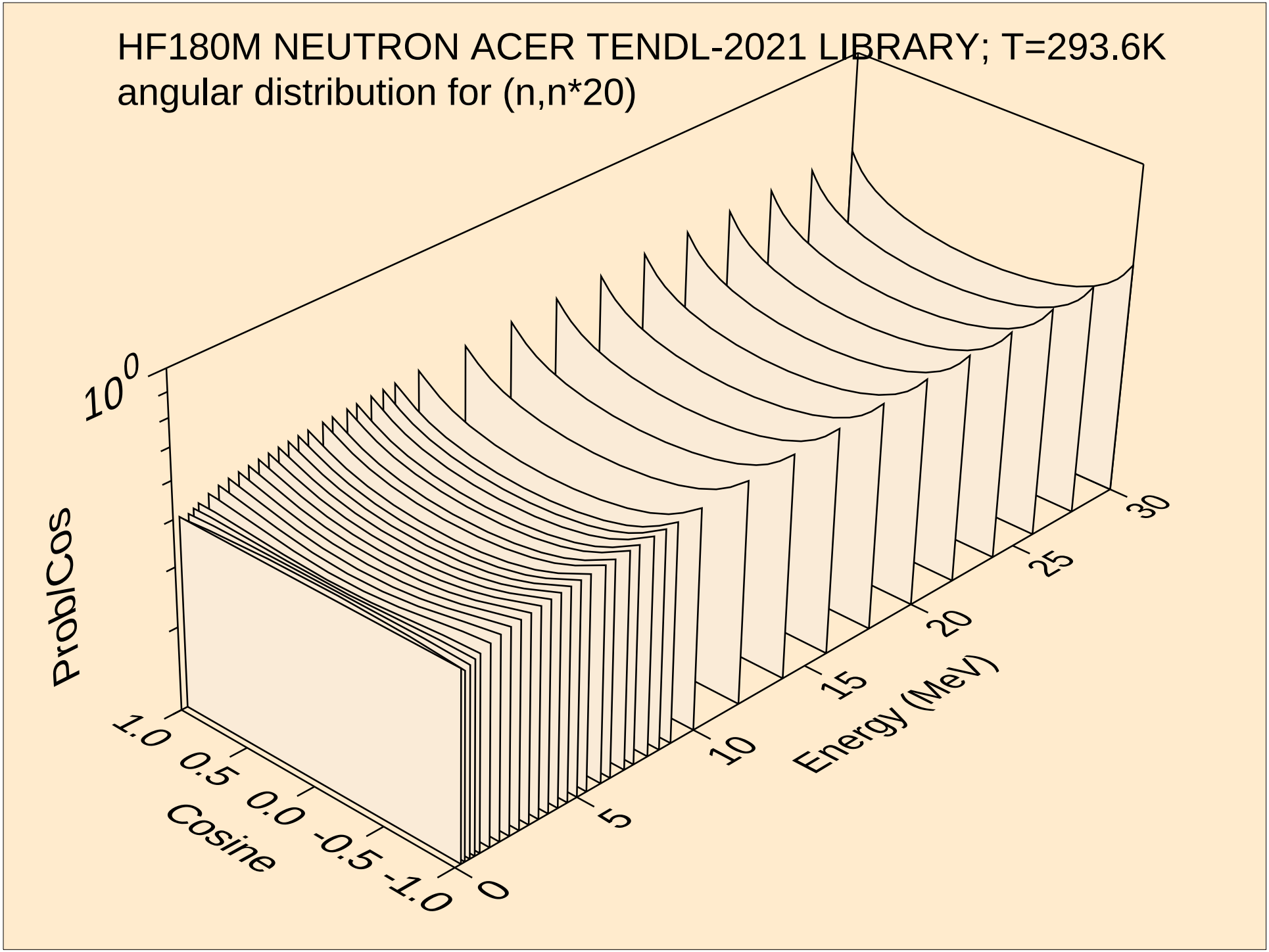

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*15)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

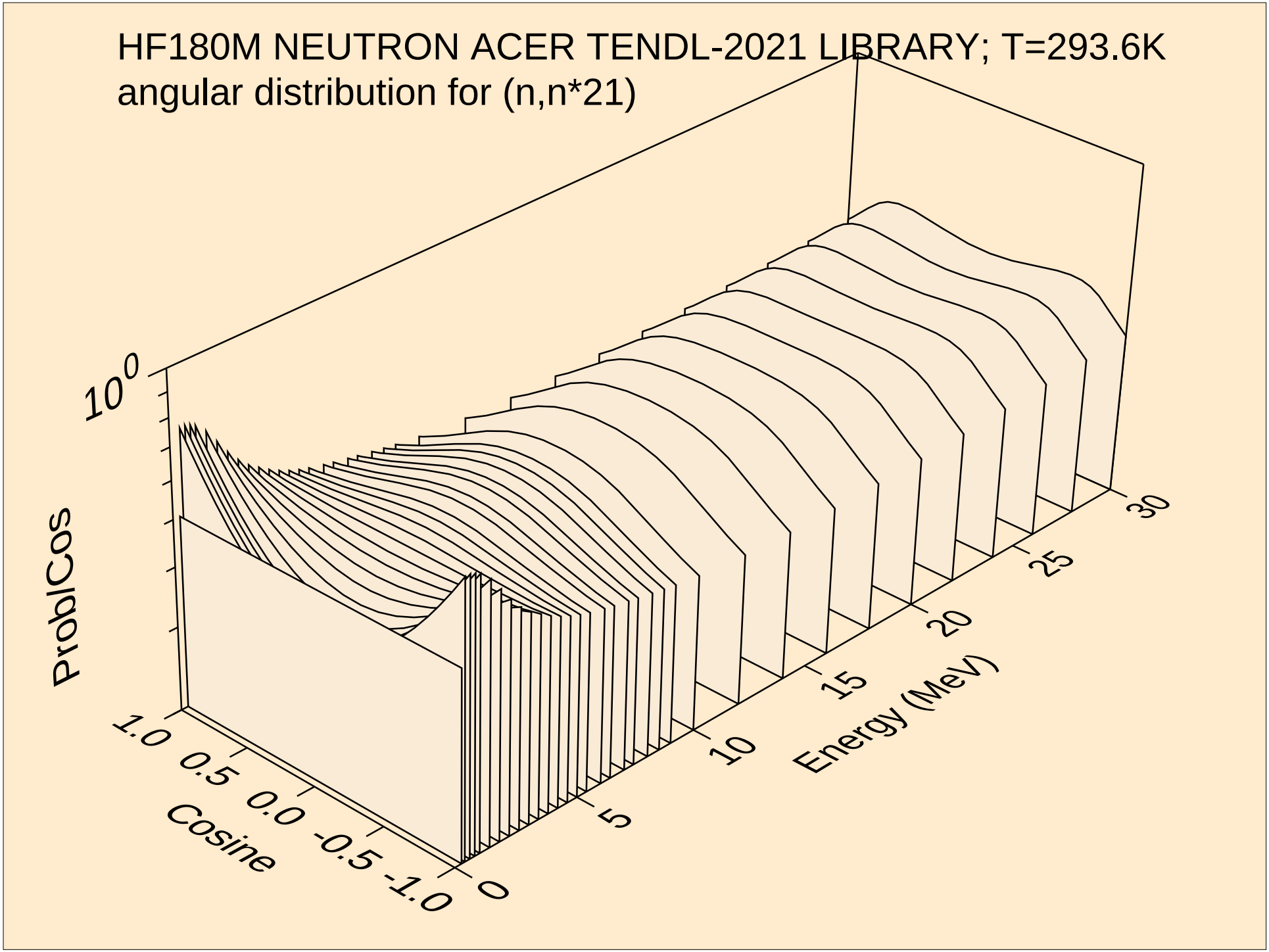

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*16)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

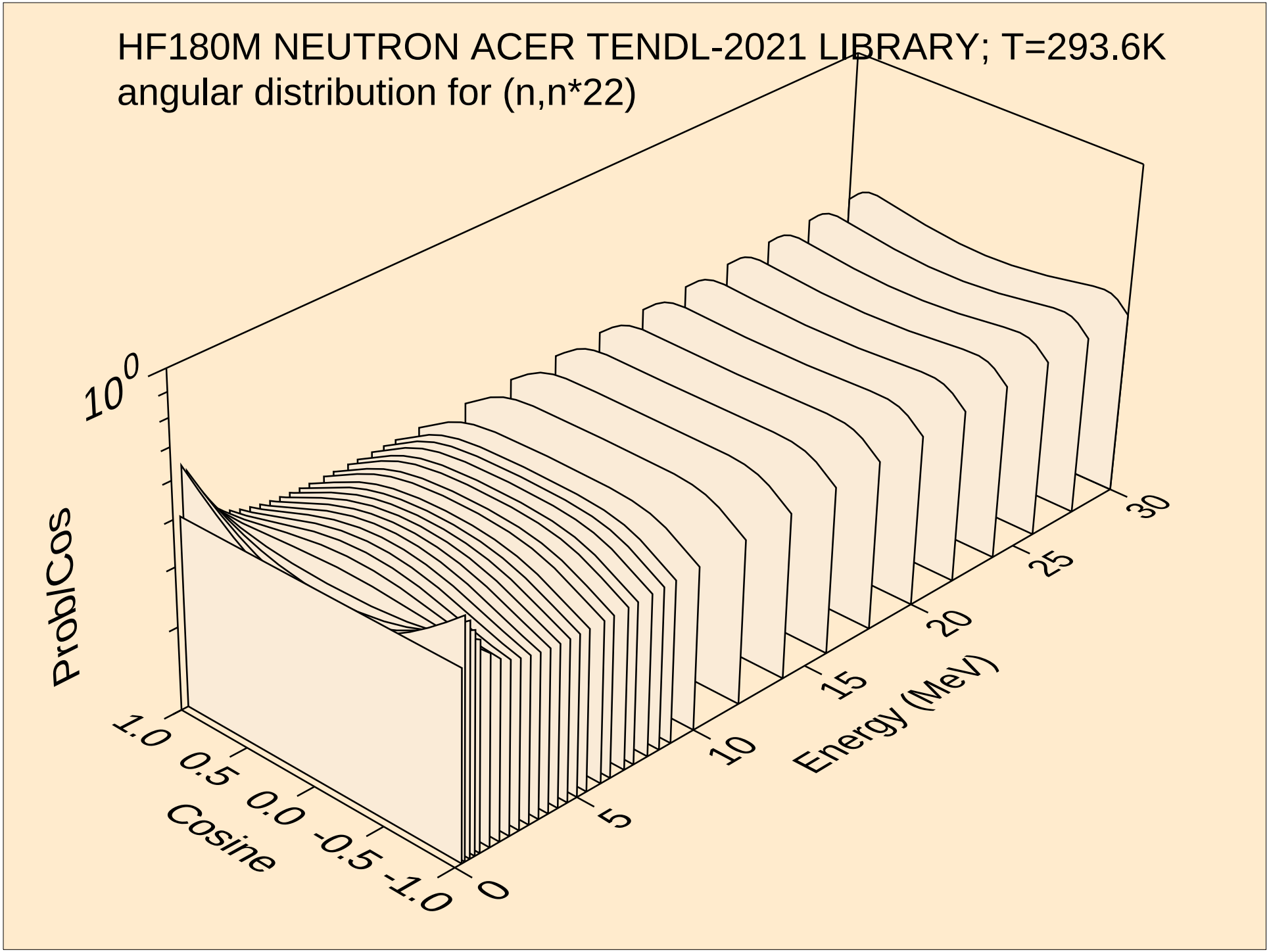

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*17)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

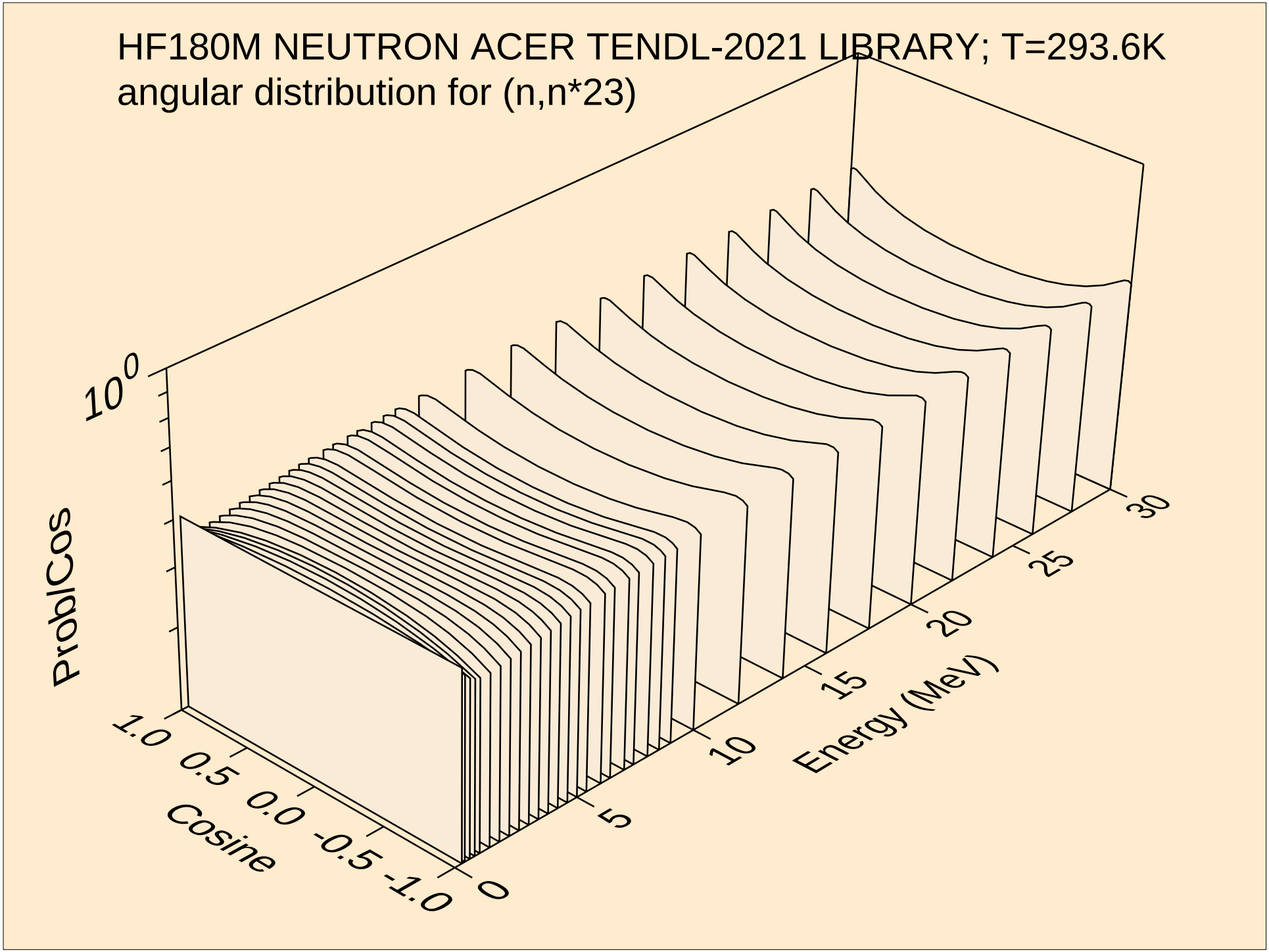

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*18)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

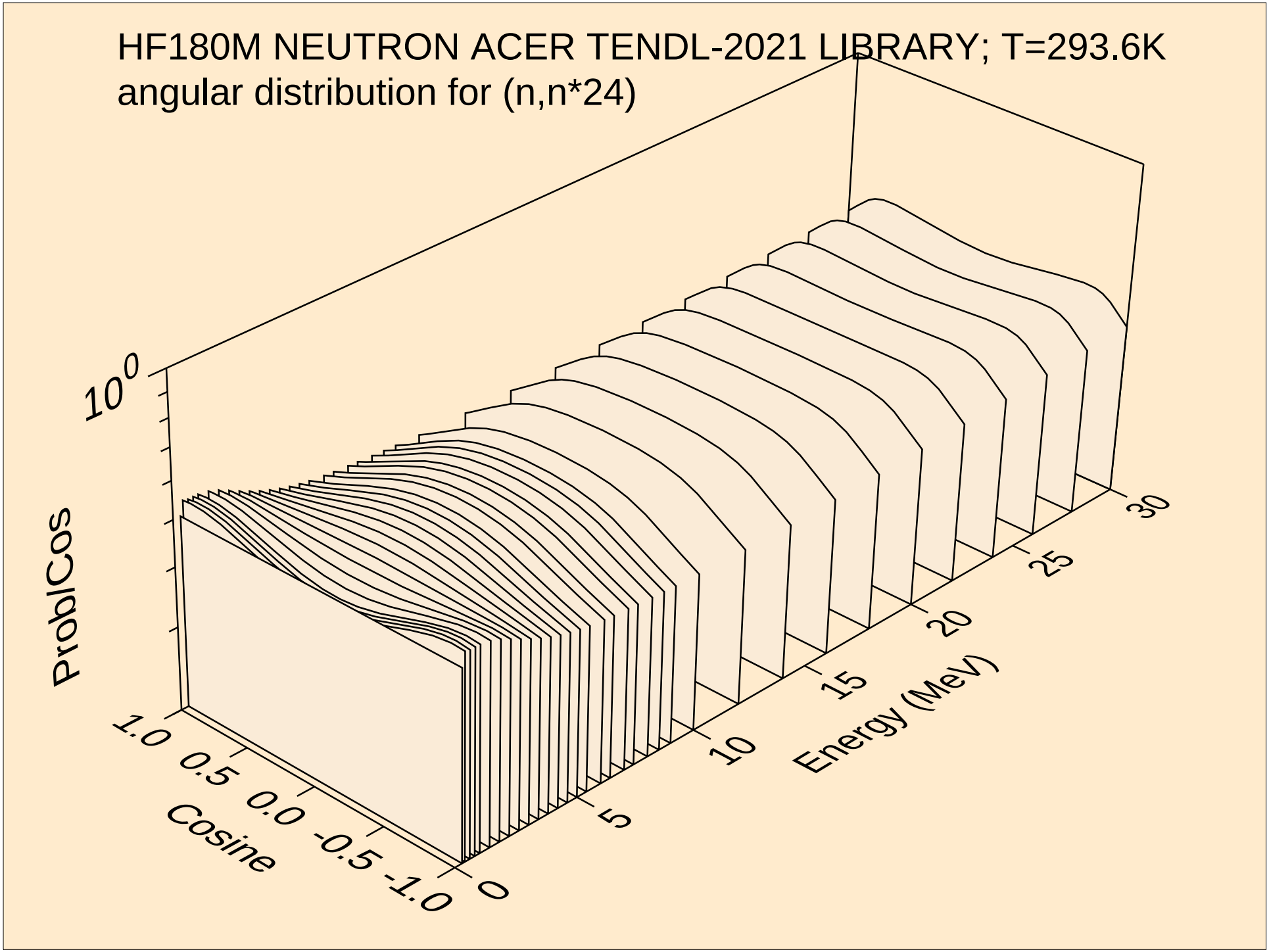

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*19)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

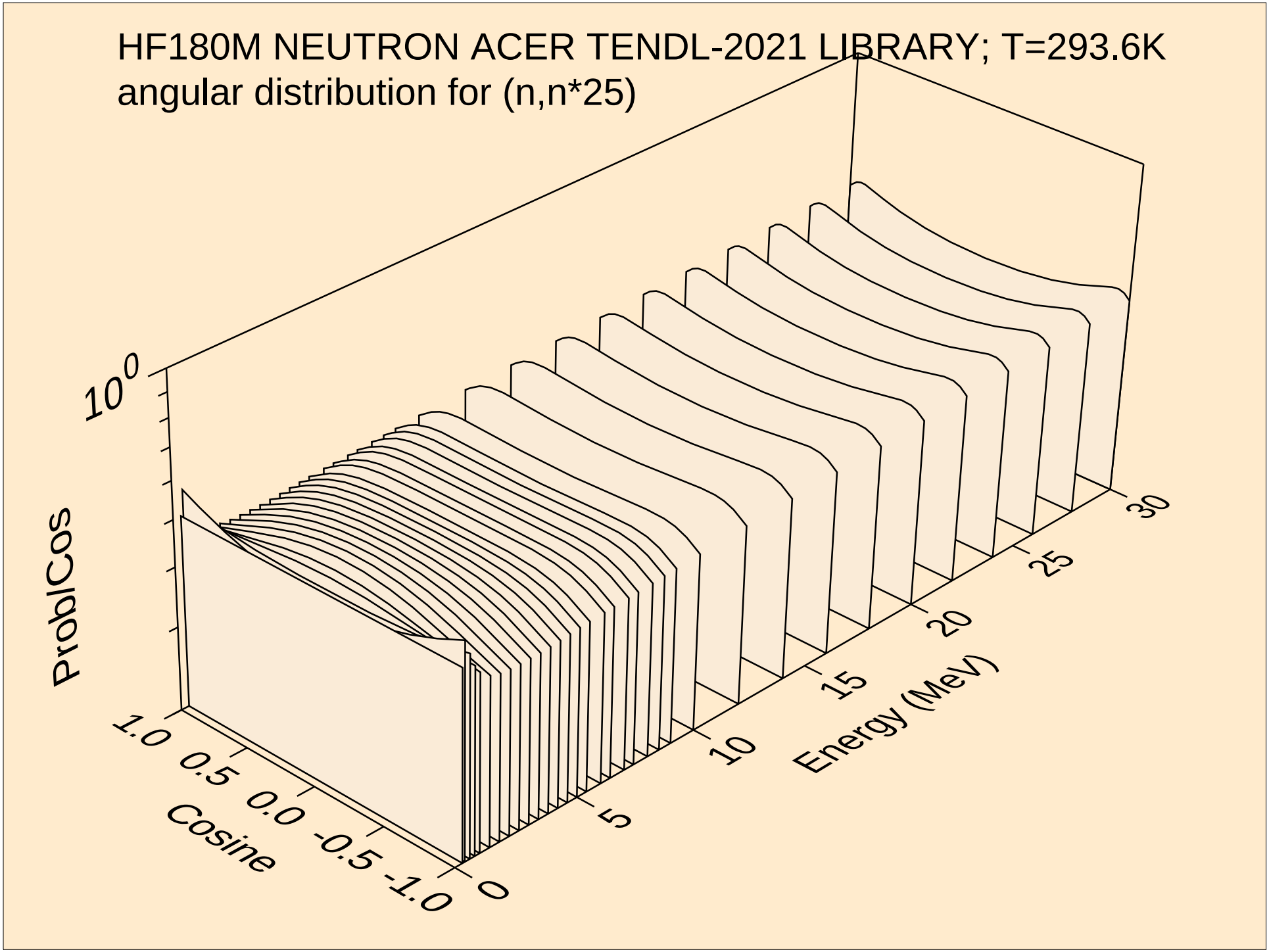

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*20)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

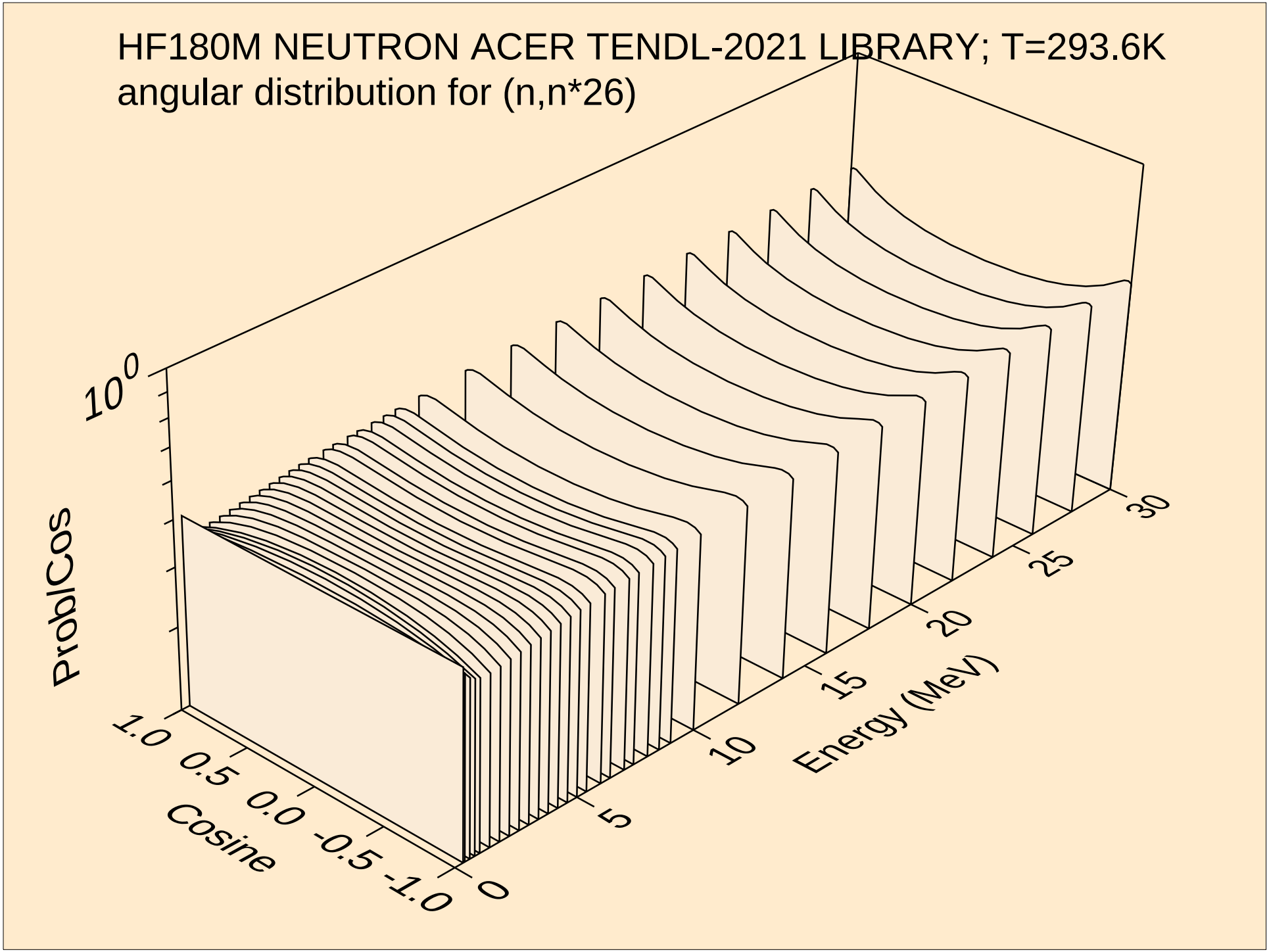

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*21)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

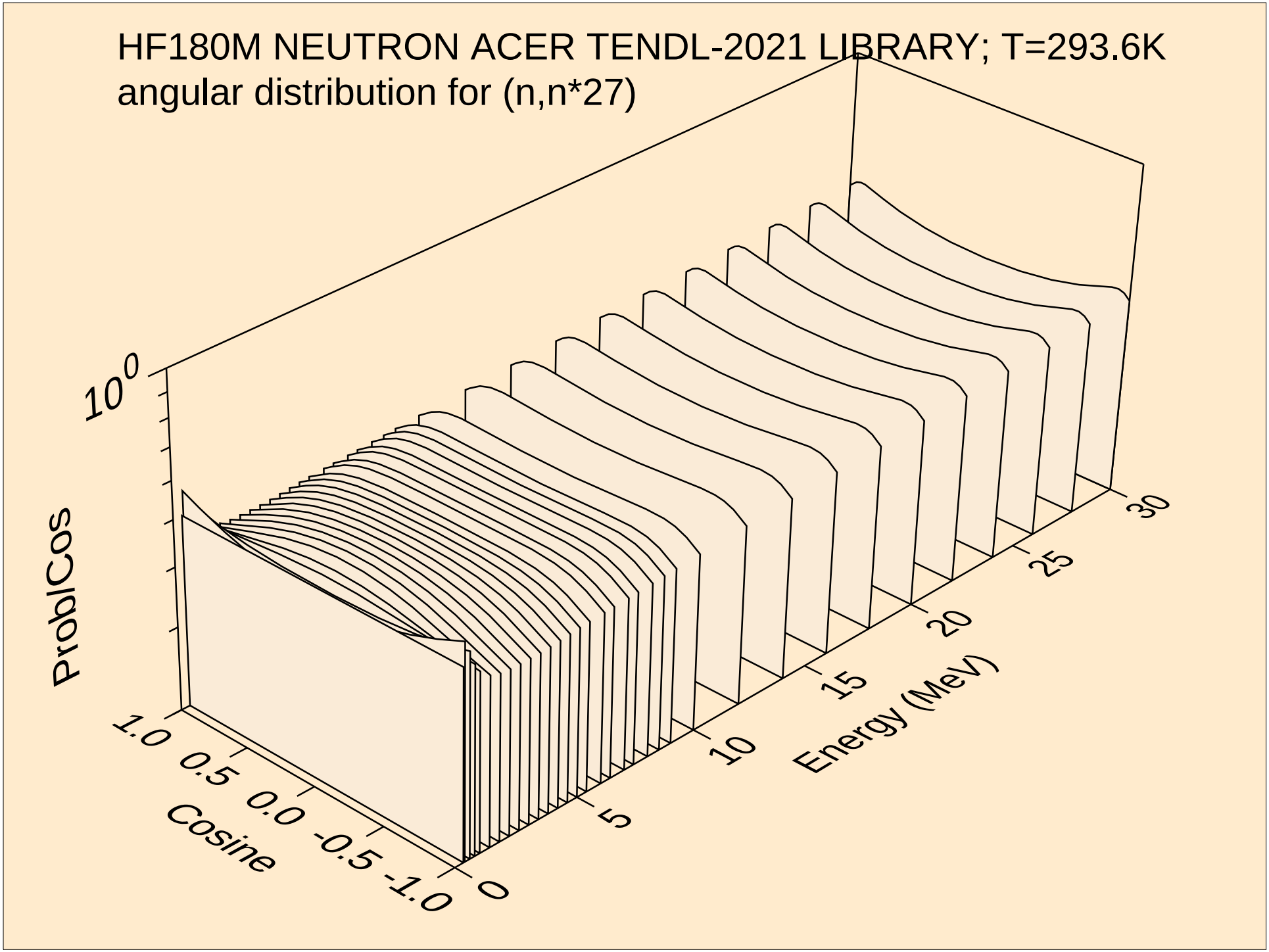

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*22)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

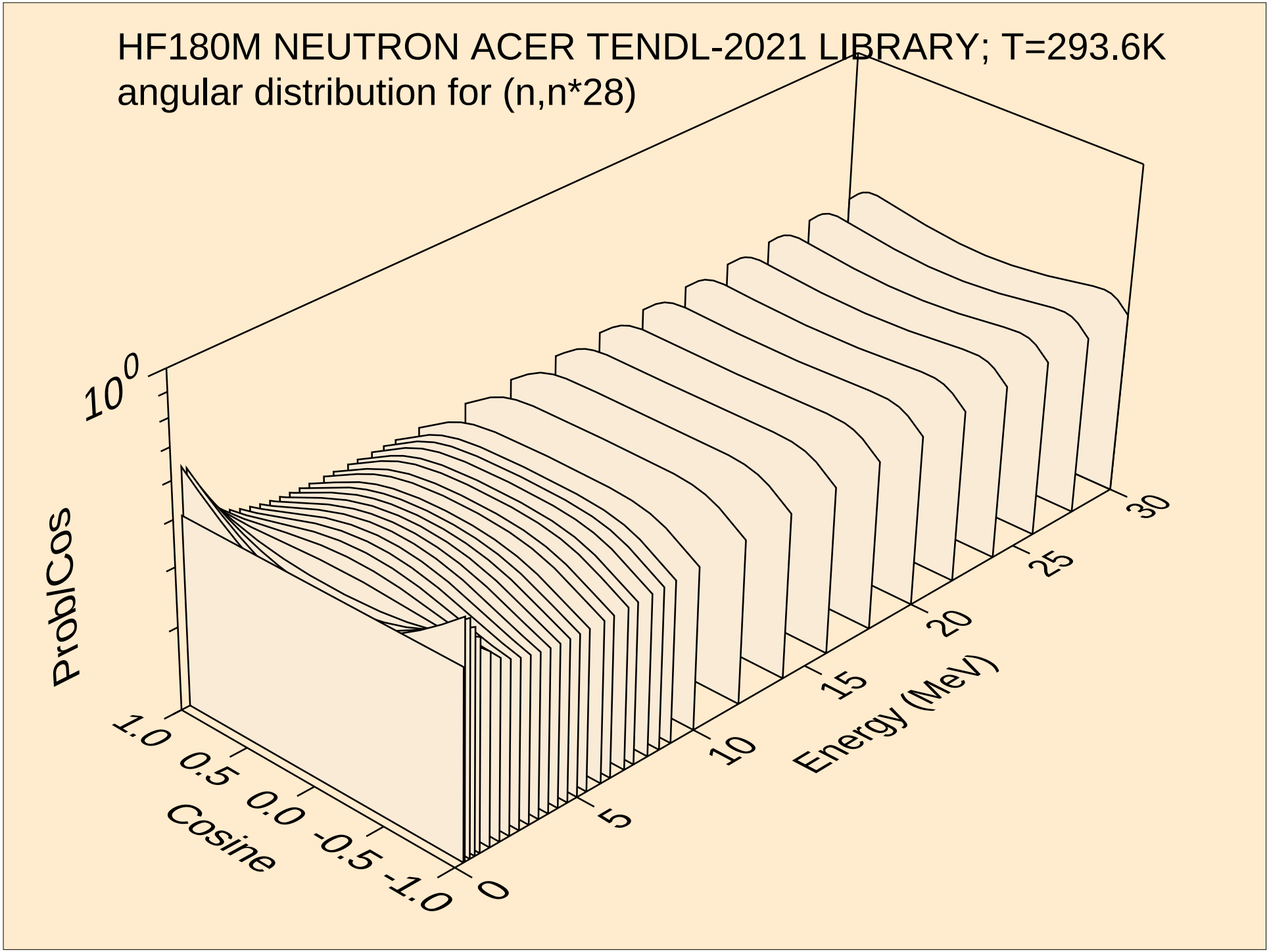

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*23)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

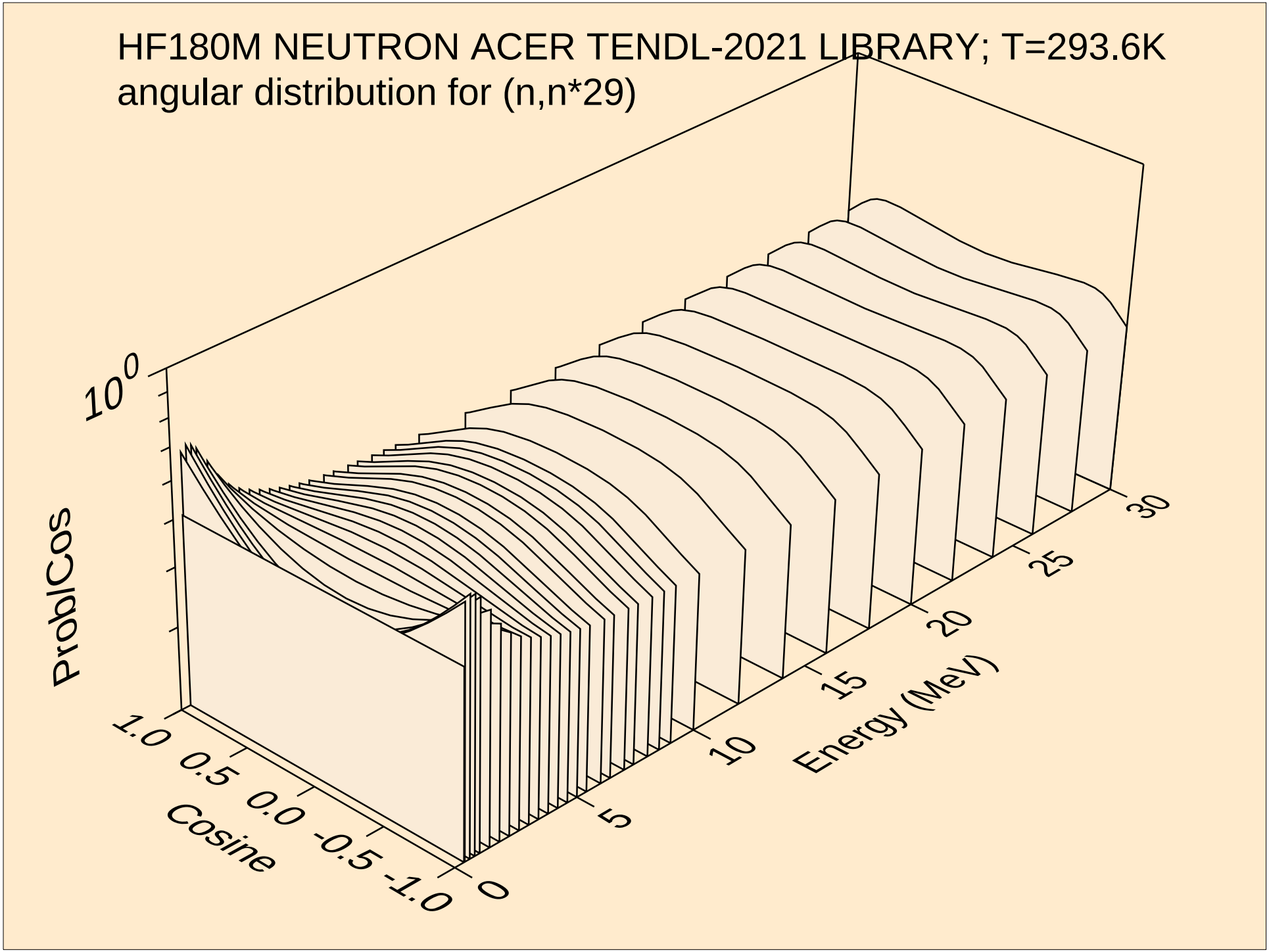

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*24)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

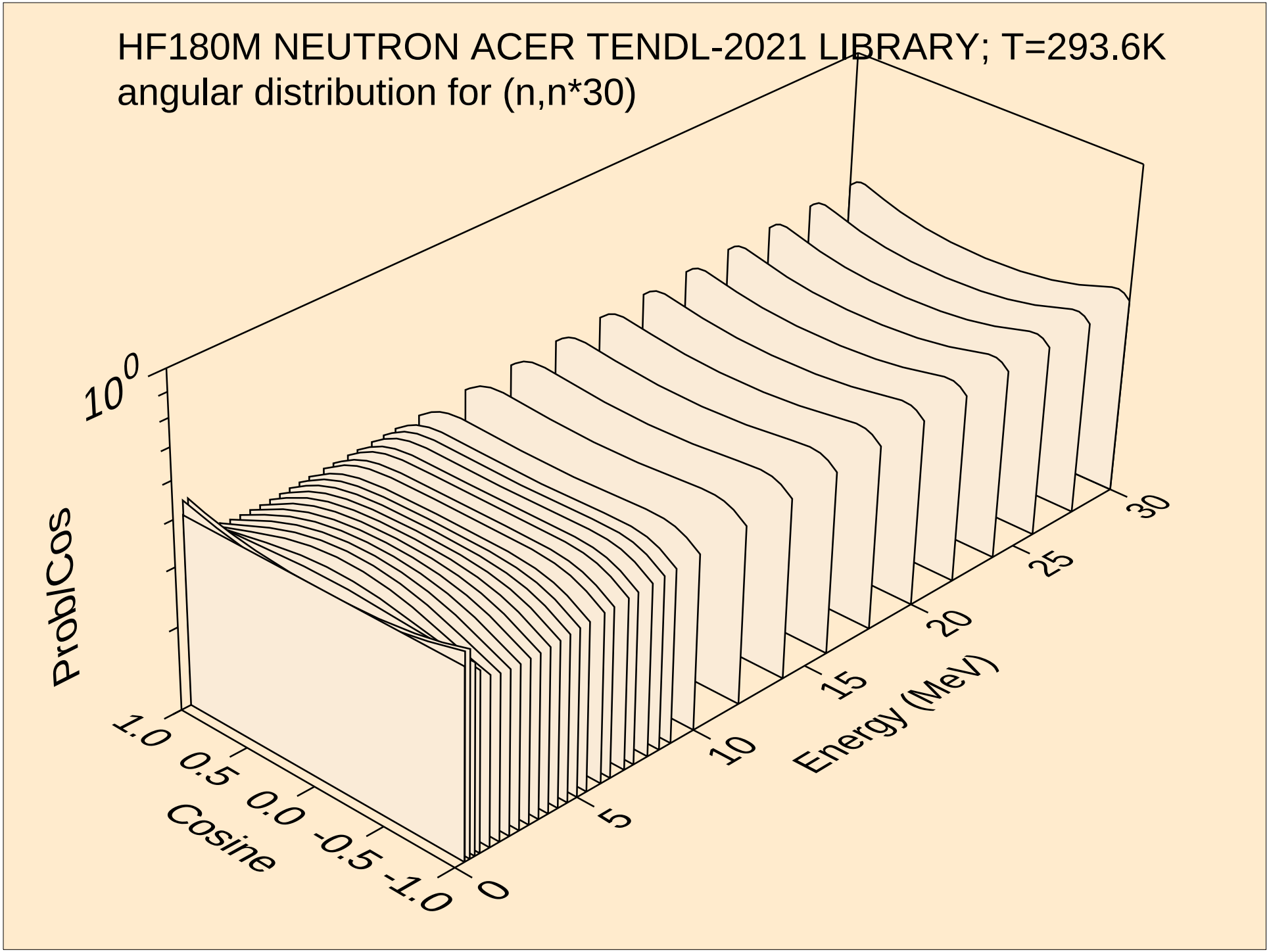

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*25)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

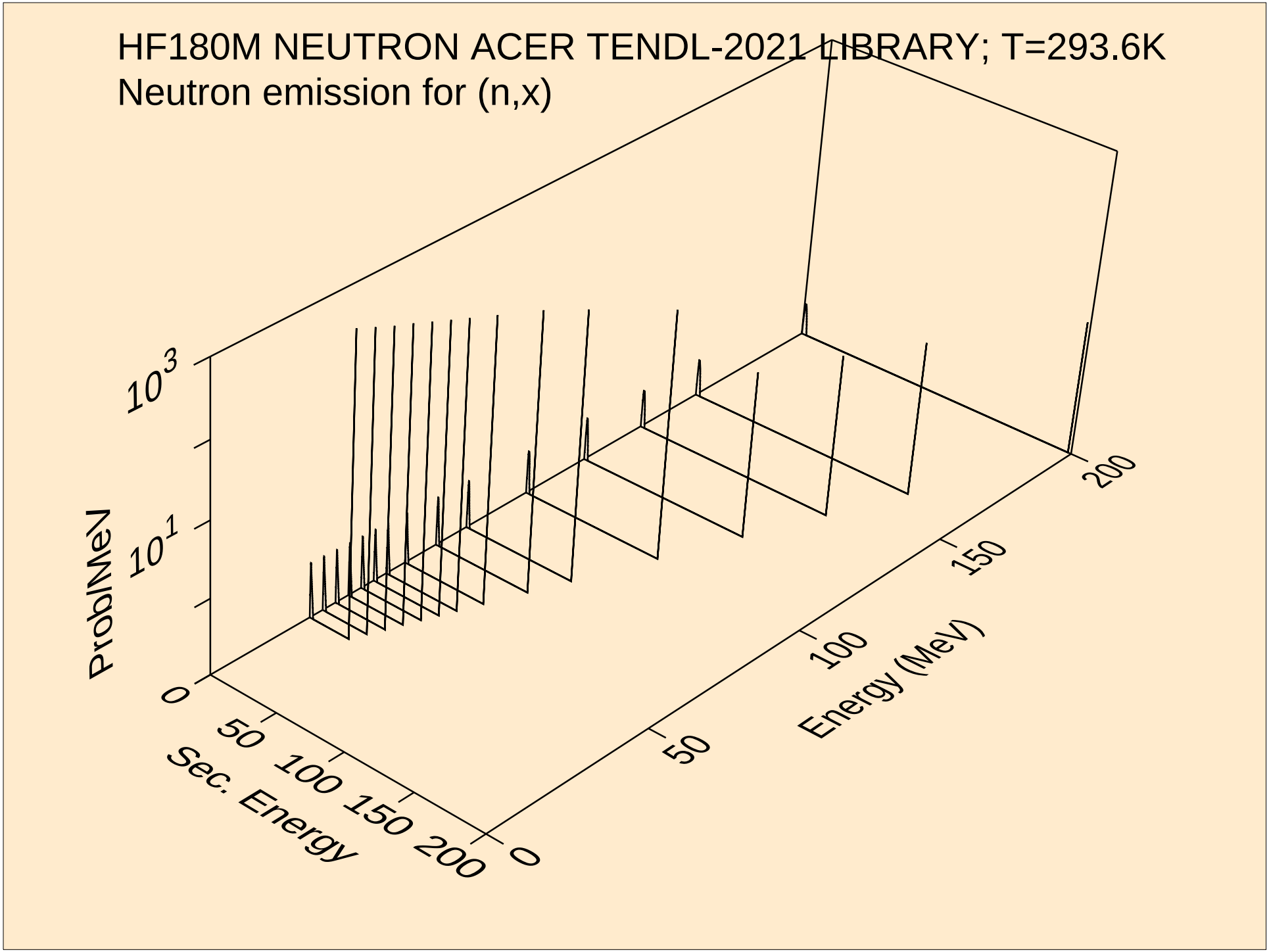

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*26)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

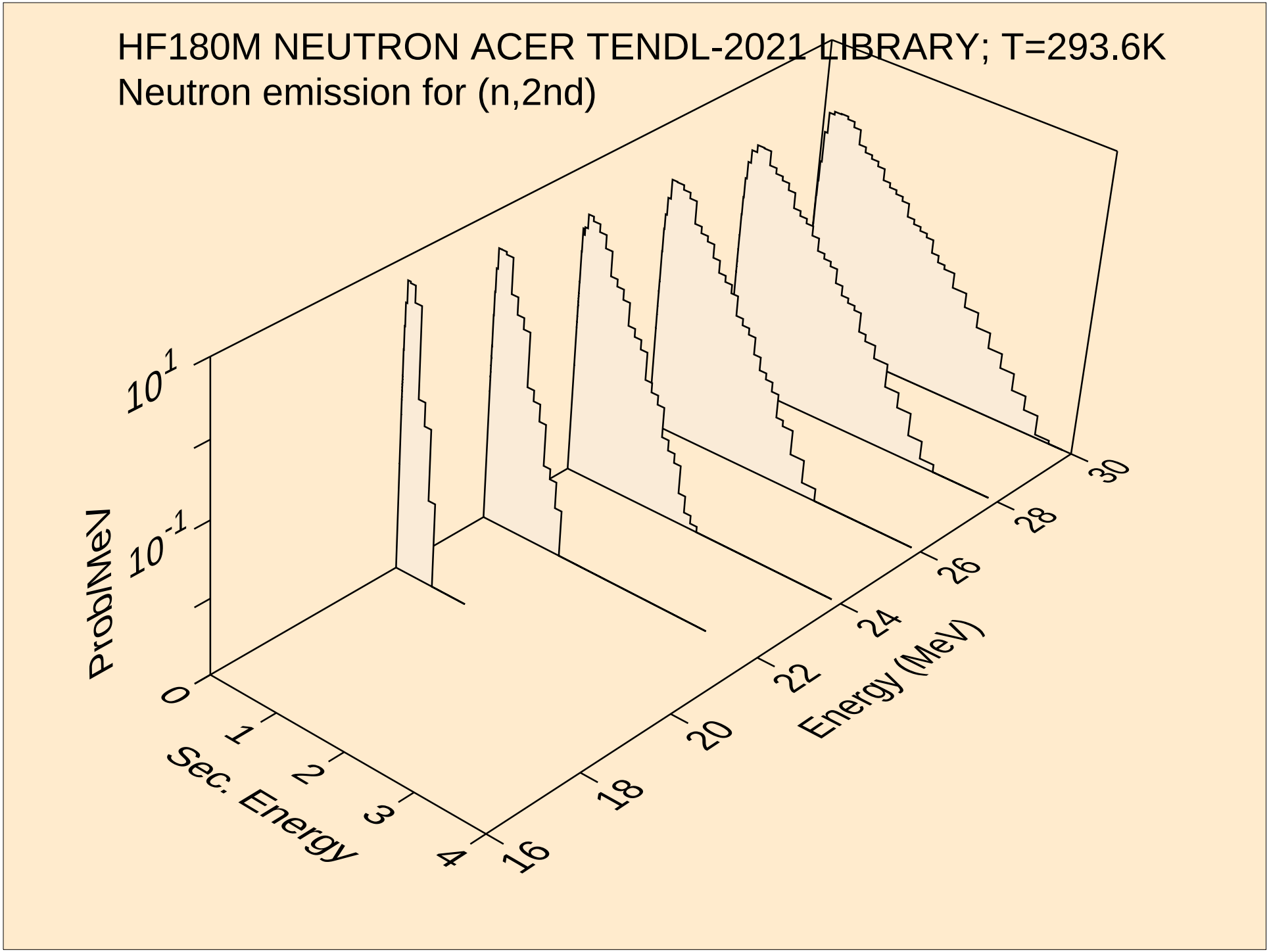

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*27)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

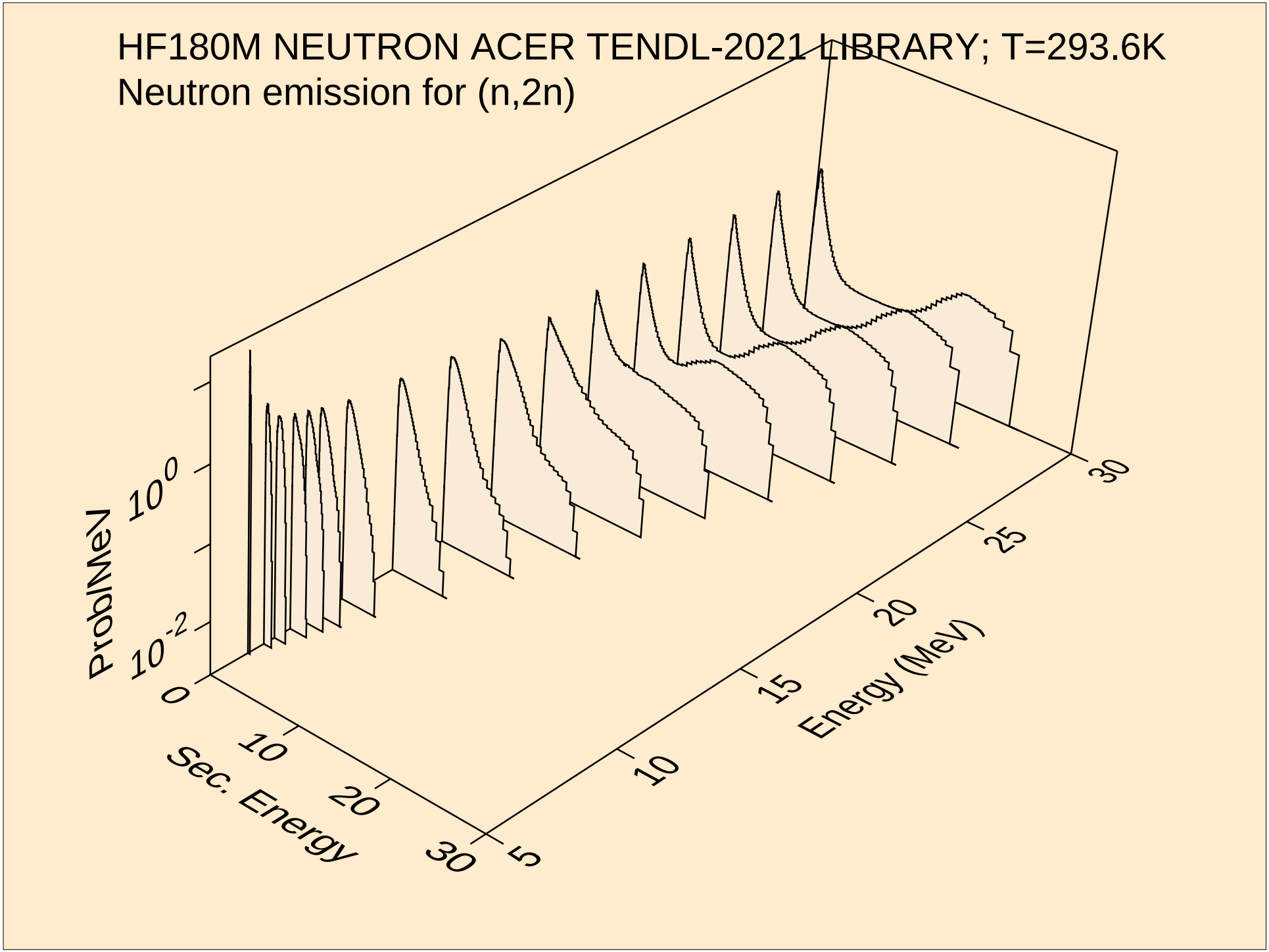

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*28)
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

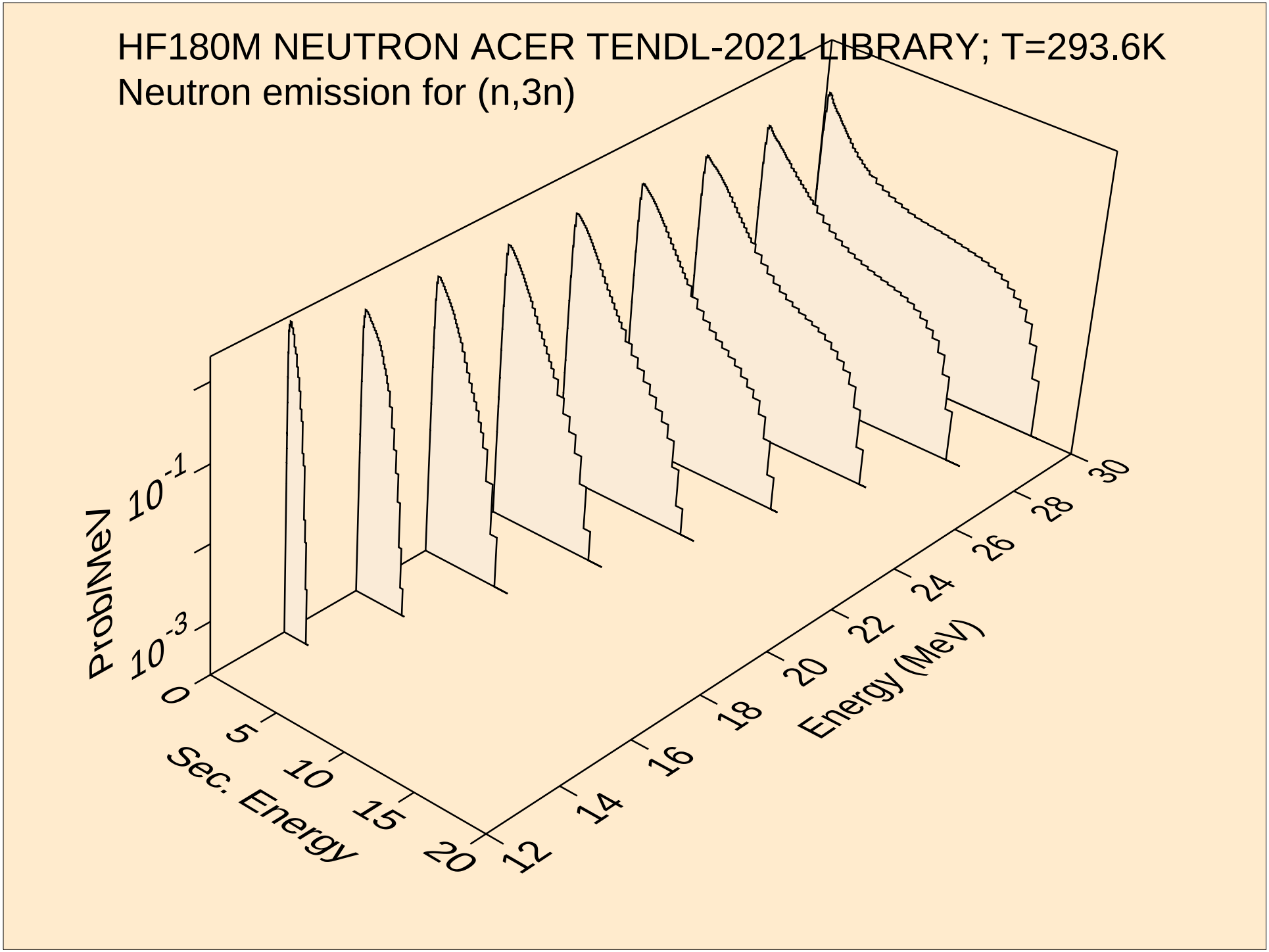

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*29)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

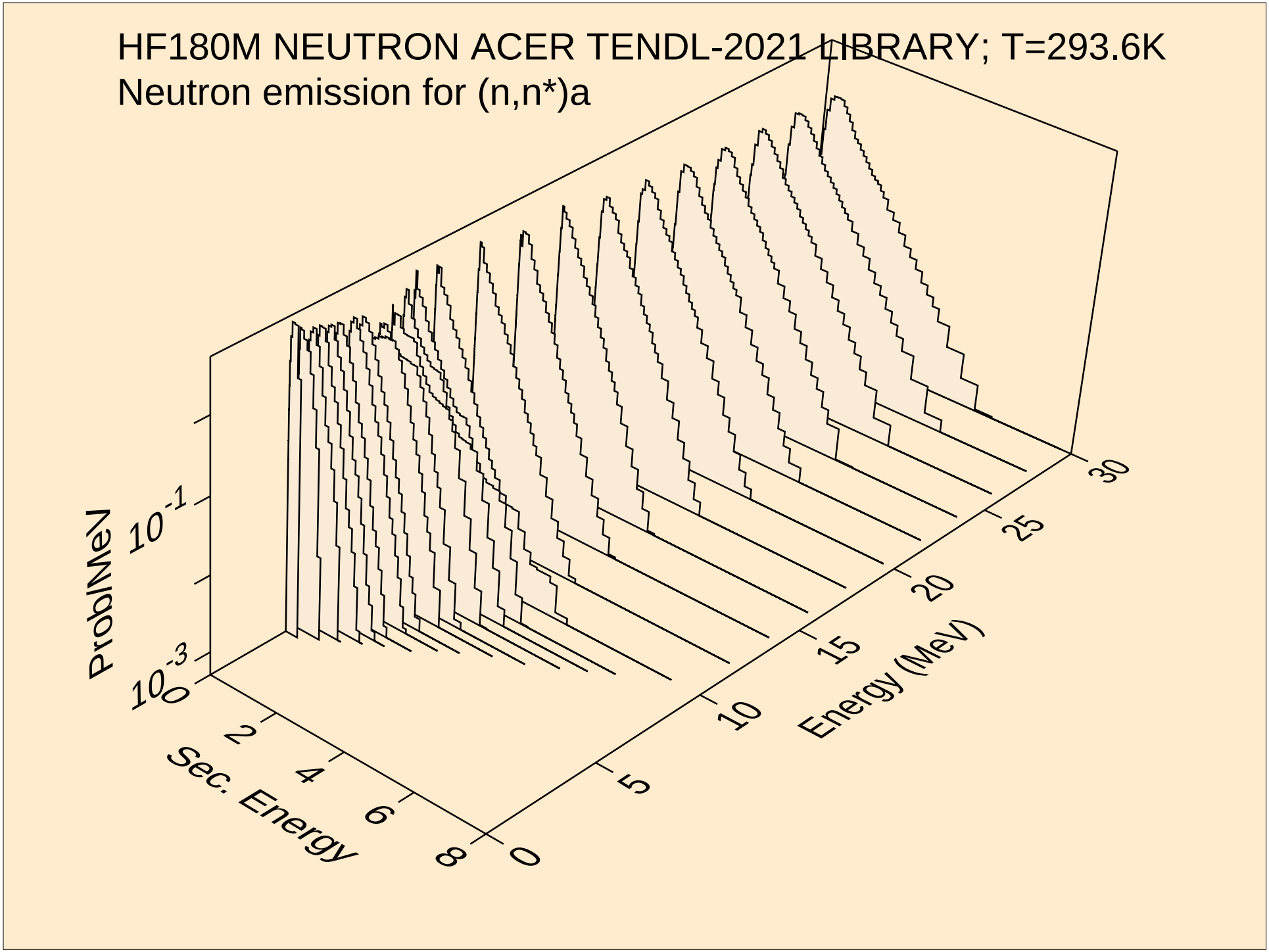

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*30)
10^0
Prob\Cos
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
25
30
Energy (MeV)

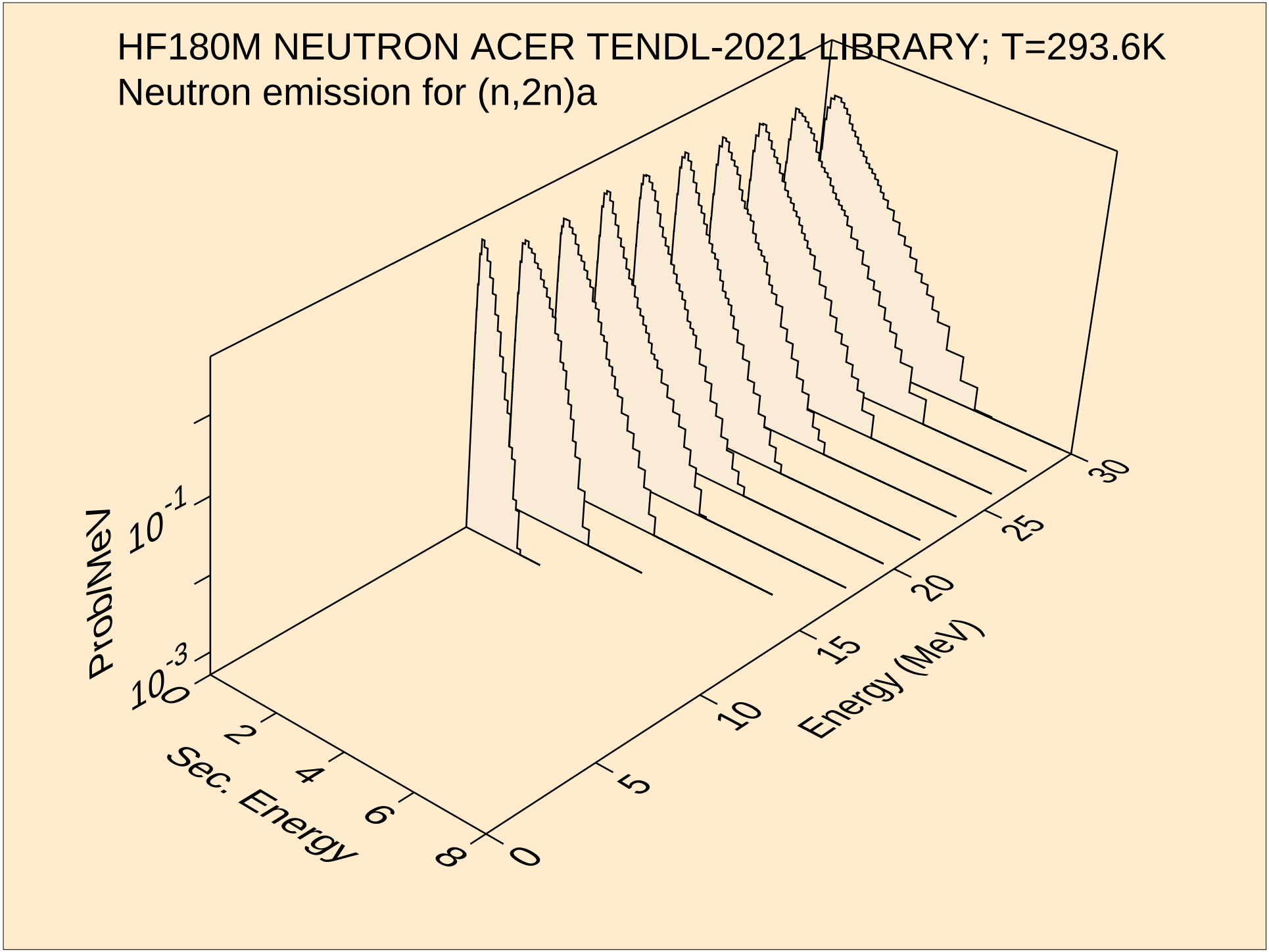

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,x)
Prob/MeV
10^3
10^1
0
50
100
150
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

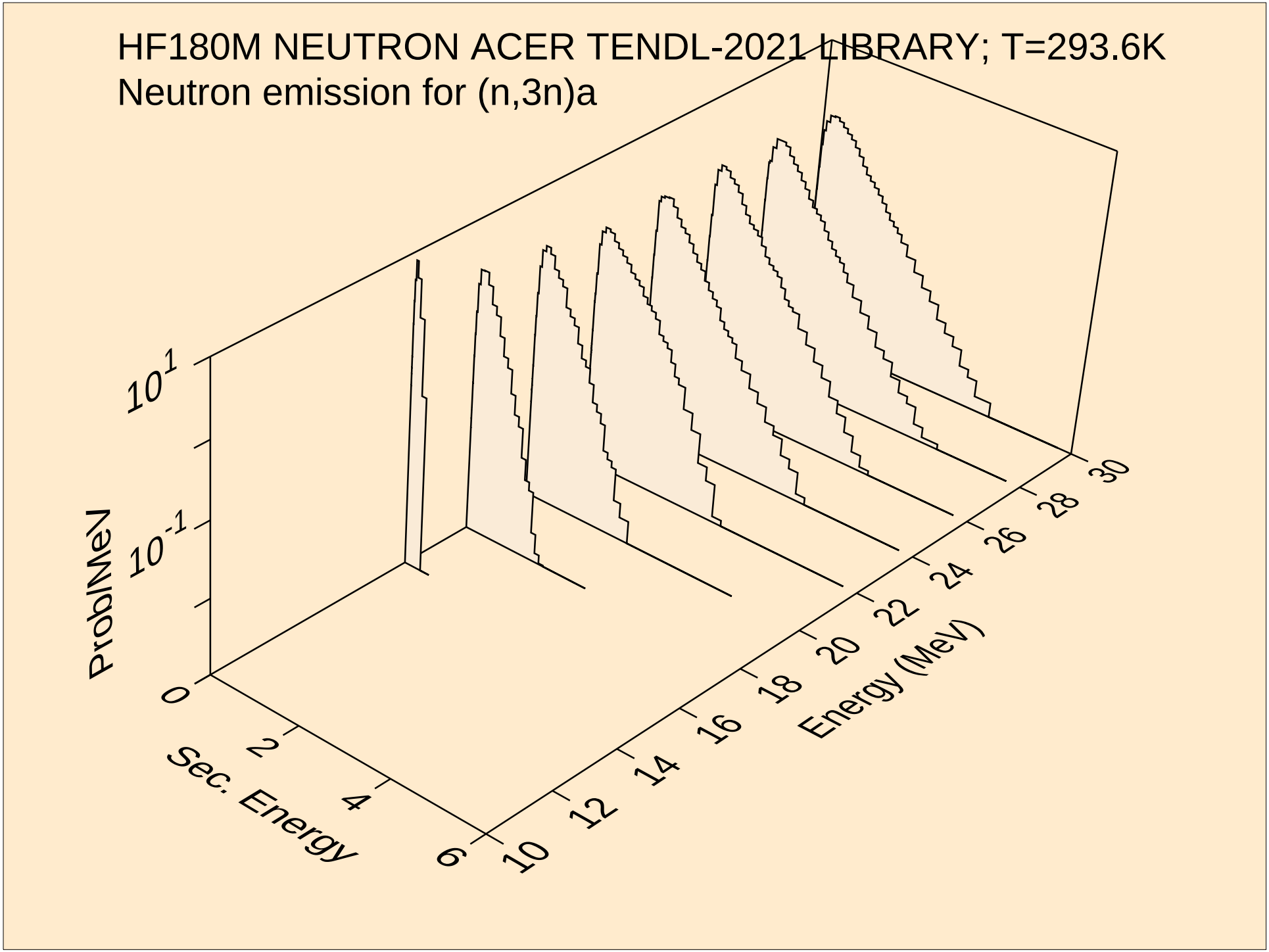

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2nd)
Prob/MeV
10^{1}
10^{-1}
0
1
2
3
4
Sec. Energy
16
18
20
22
24
26
28
30
Energy (MeV)

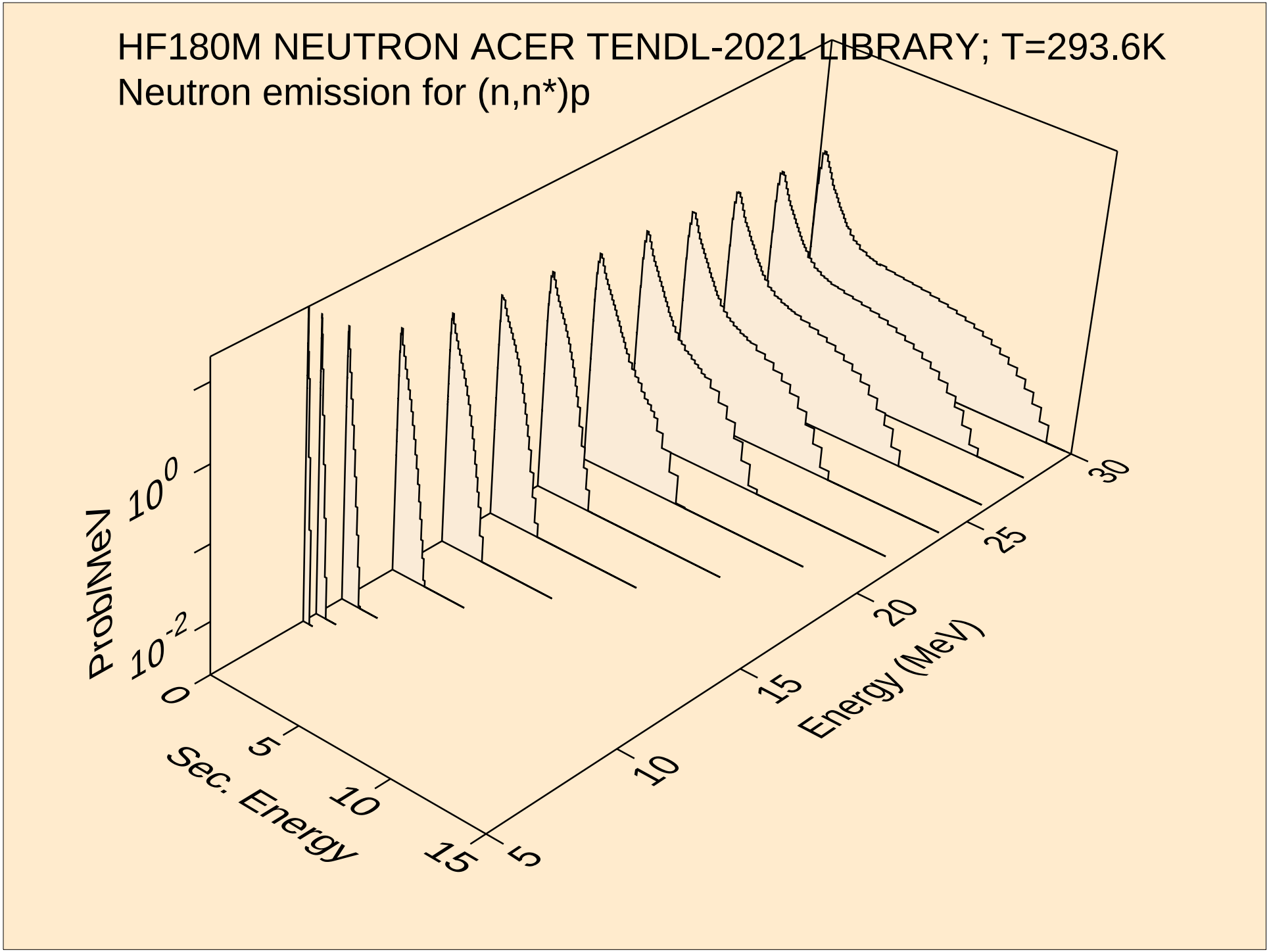

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)
Prob/MeV
10^{0}
10^{-2}
0
10
20
30
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

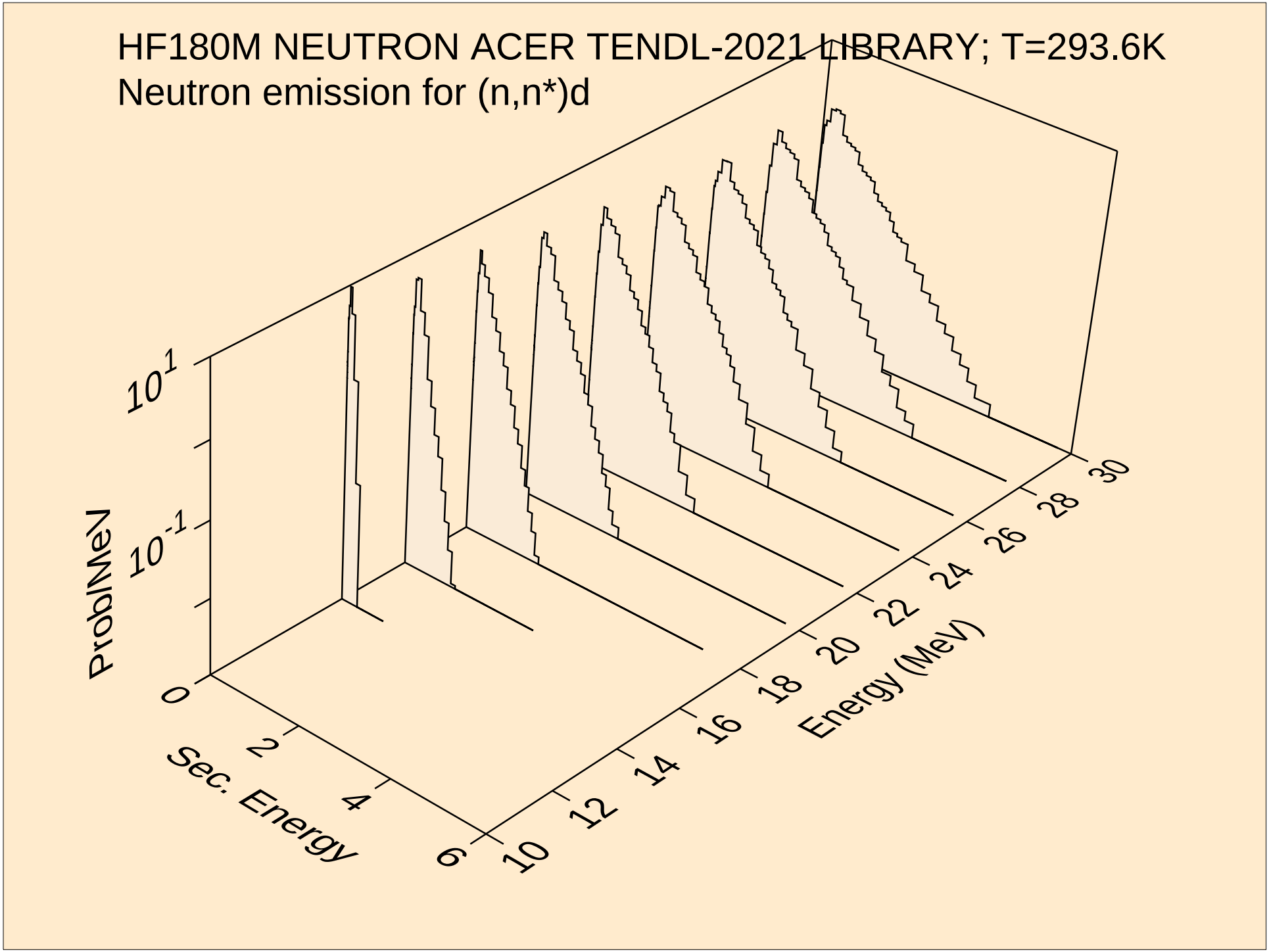

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0
5
10
15
20
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

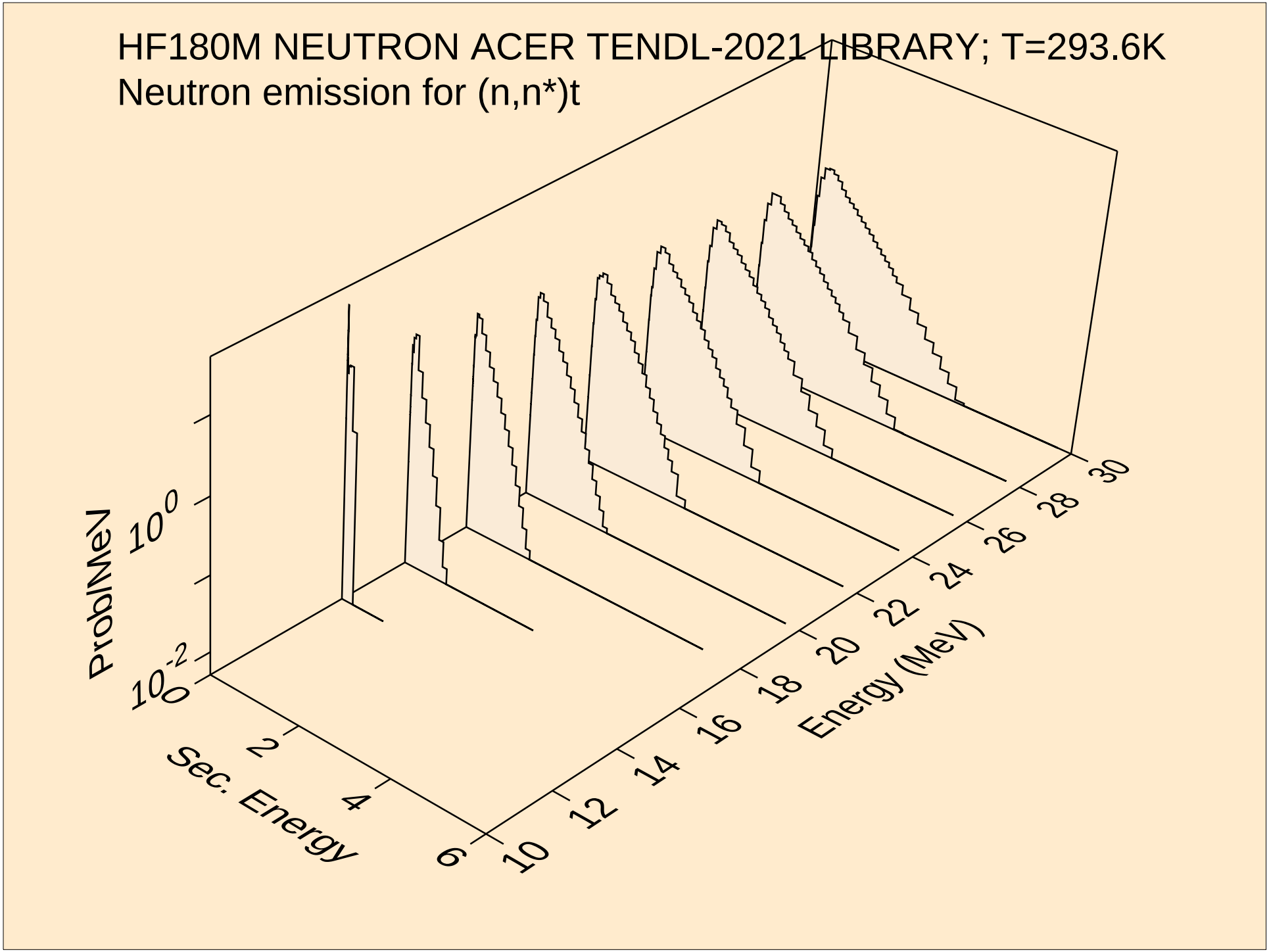

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)a
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

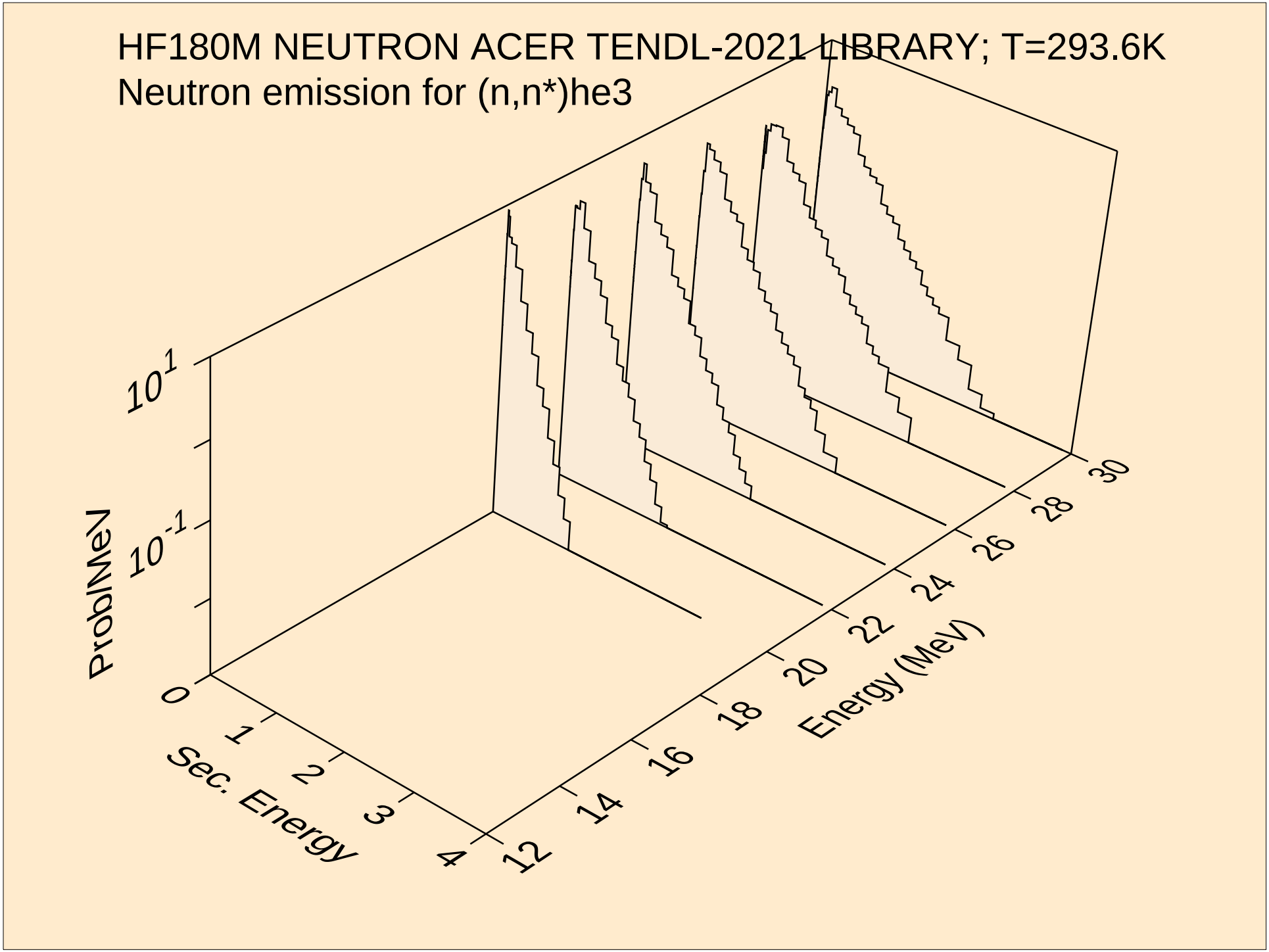

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)a
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

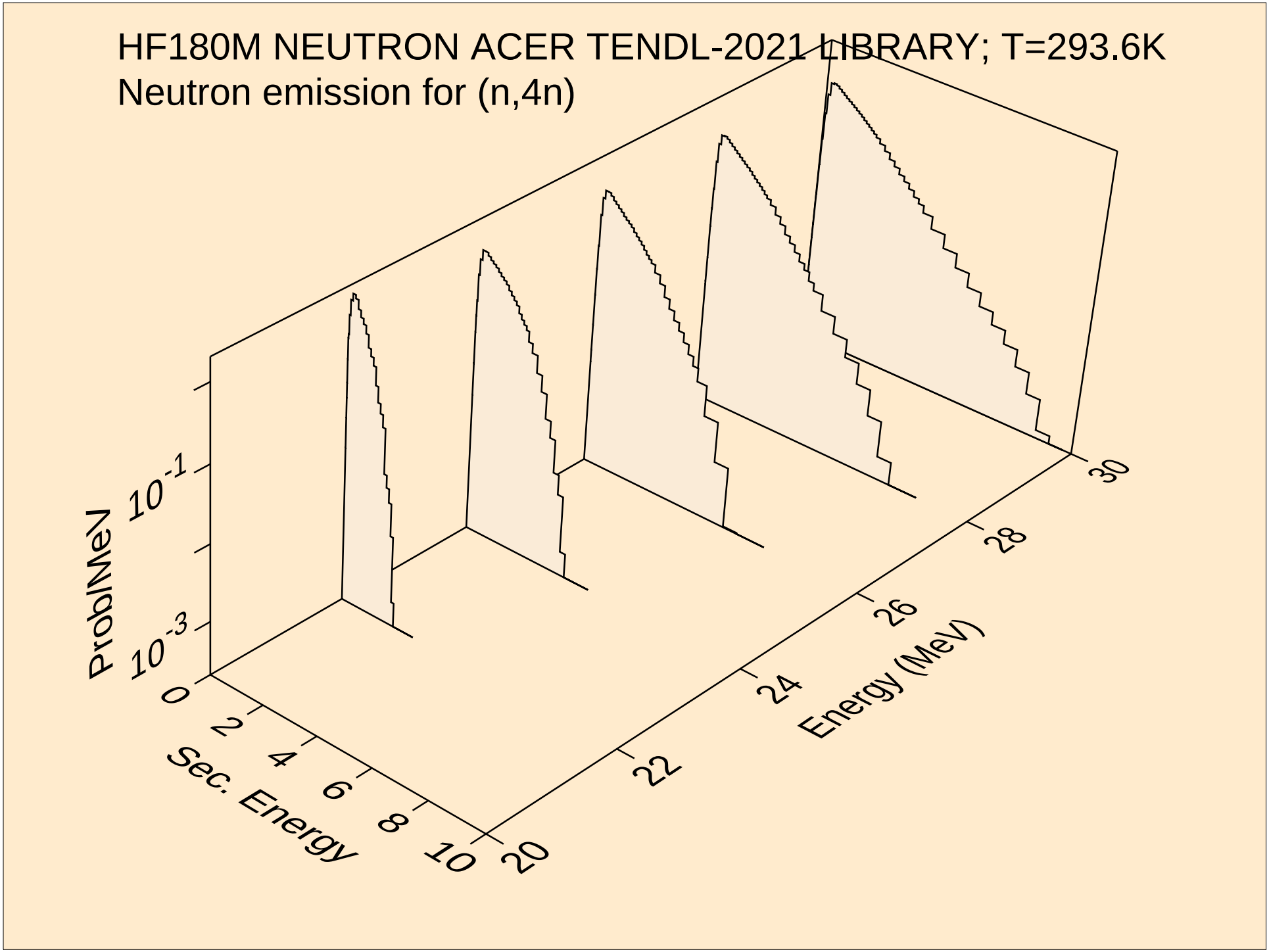

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3n)a
Prob/MeV
10^{1}
10^{-1}
0
2
4
6
Sec. Energy
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

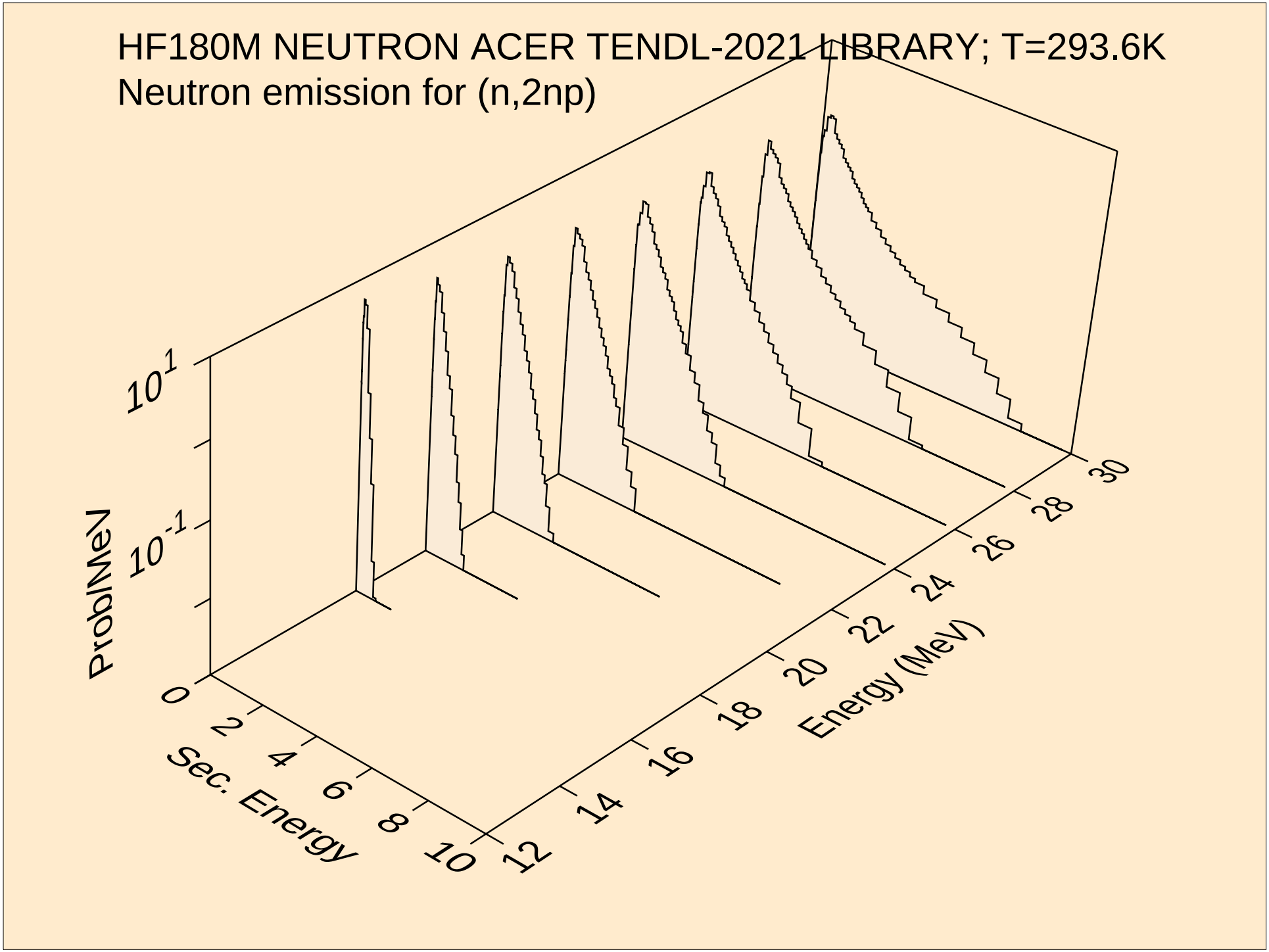

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)p
Prob/MeV
10^0
10^-2
0
5
10
15
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

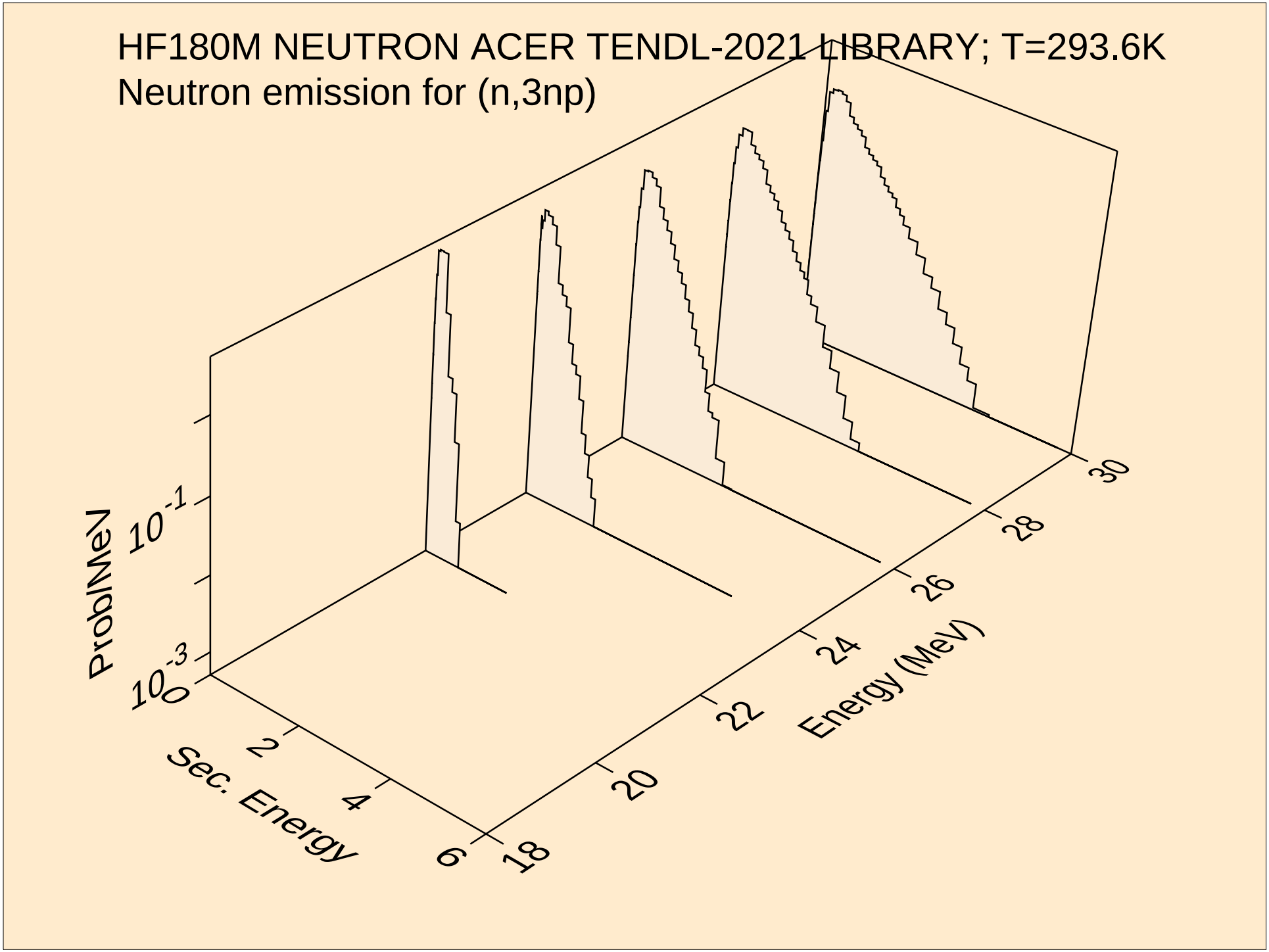

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)d
Prob/MeV
10^1
10^-1
0
2
4
6
Sec. Energy
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

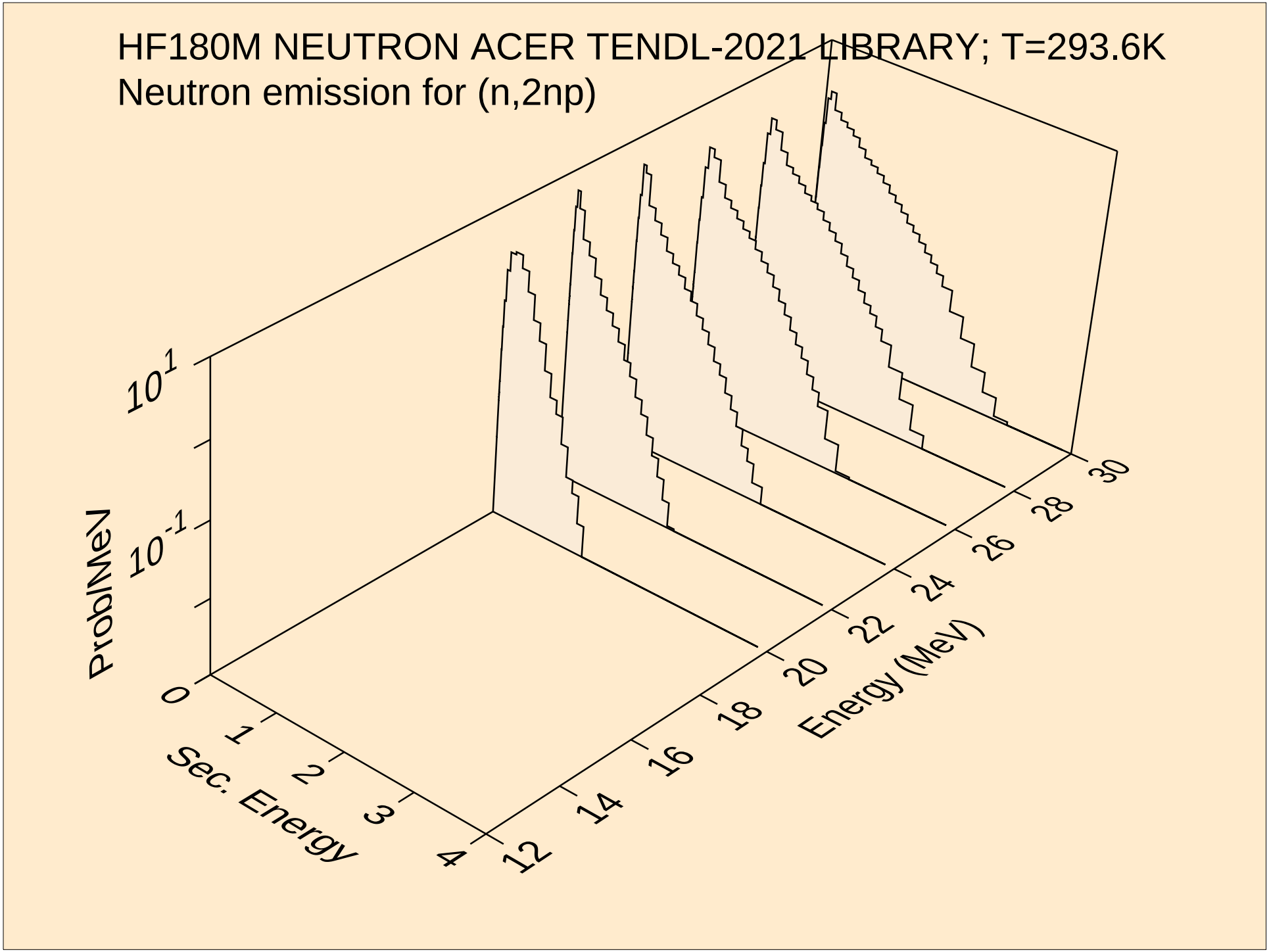

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)t
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
Sec. Energy
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

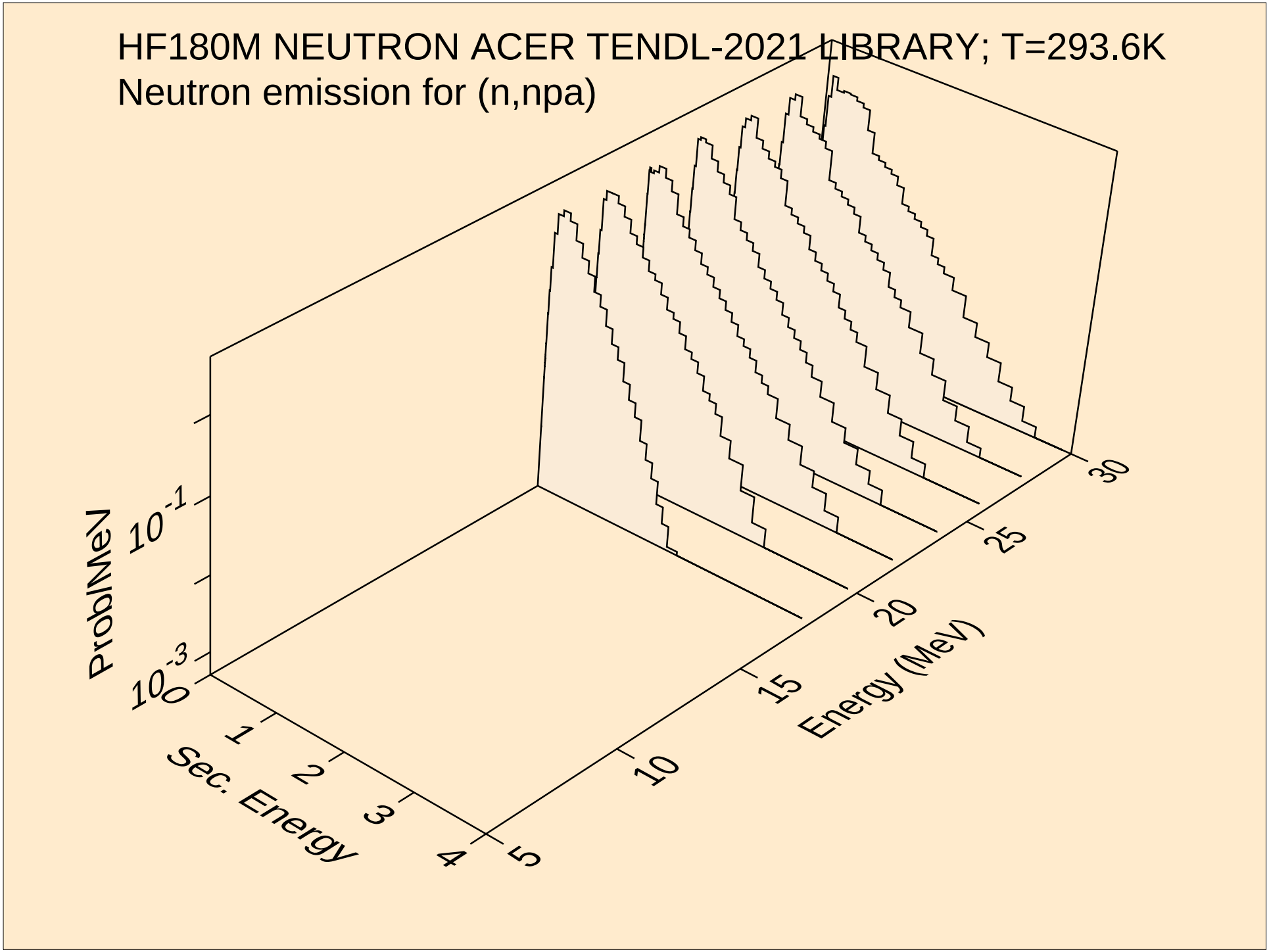

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3
Prob/MeV
10^{1}
10^{-1}
0
Sec. Energy
1
2
3
4
Energy (MeV)
12
14
16
18
20
22
24
26
28
30

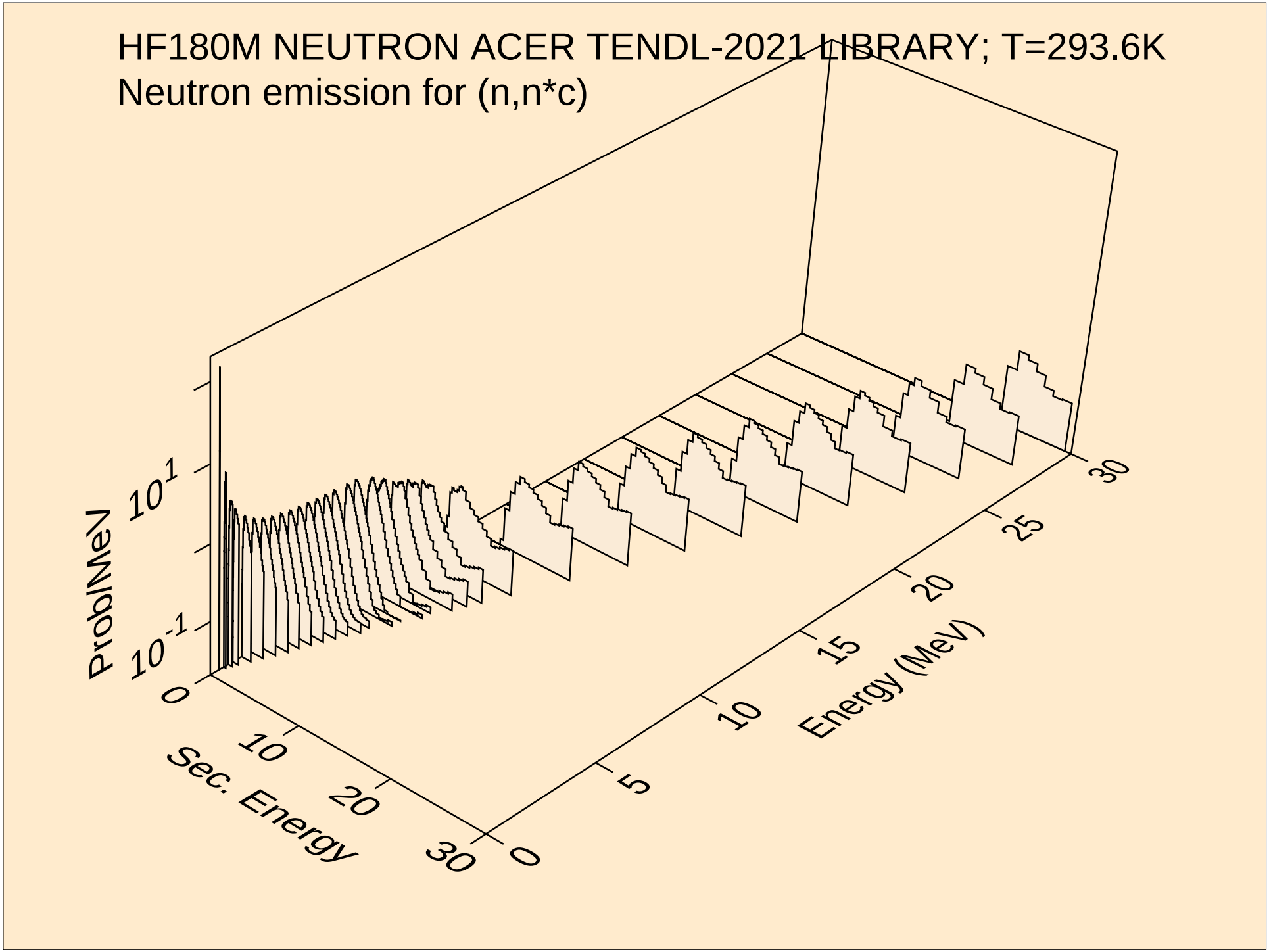

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,4n)
Prob/MeV
10-1
10-3
0
2
4
6
8
10
Sec. Energy
20
22
24
26
28
30
Energy (MeV)

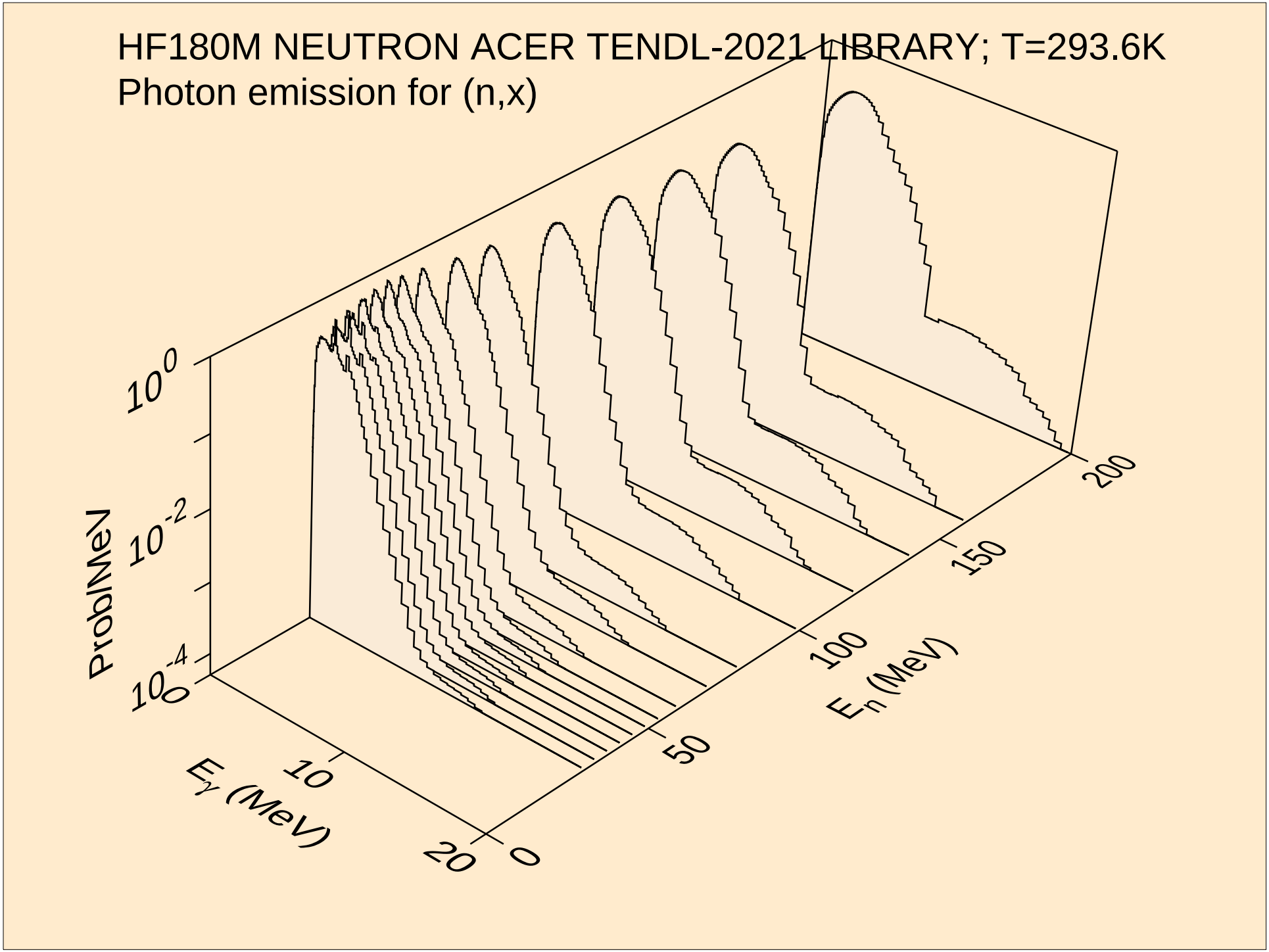

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2np)
Prob/MeV
10^{1}
10^{-1}
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

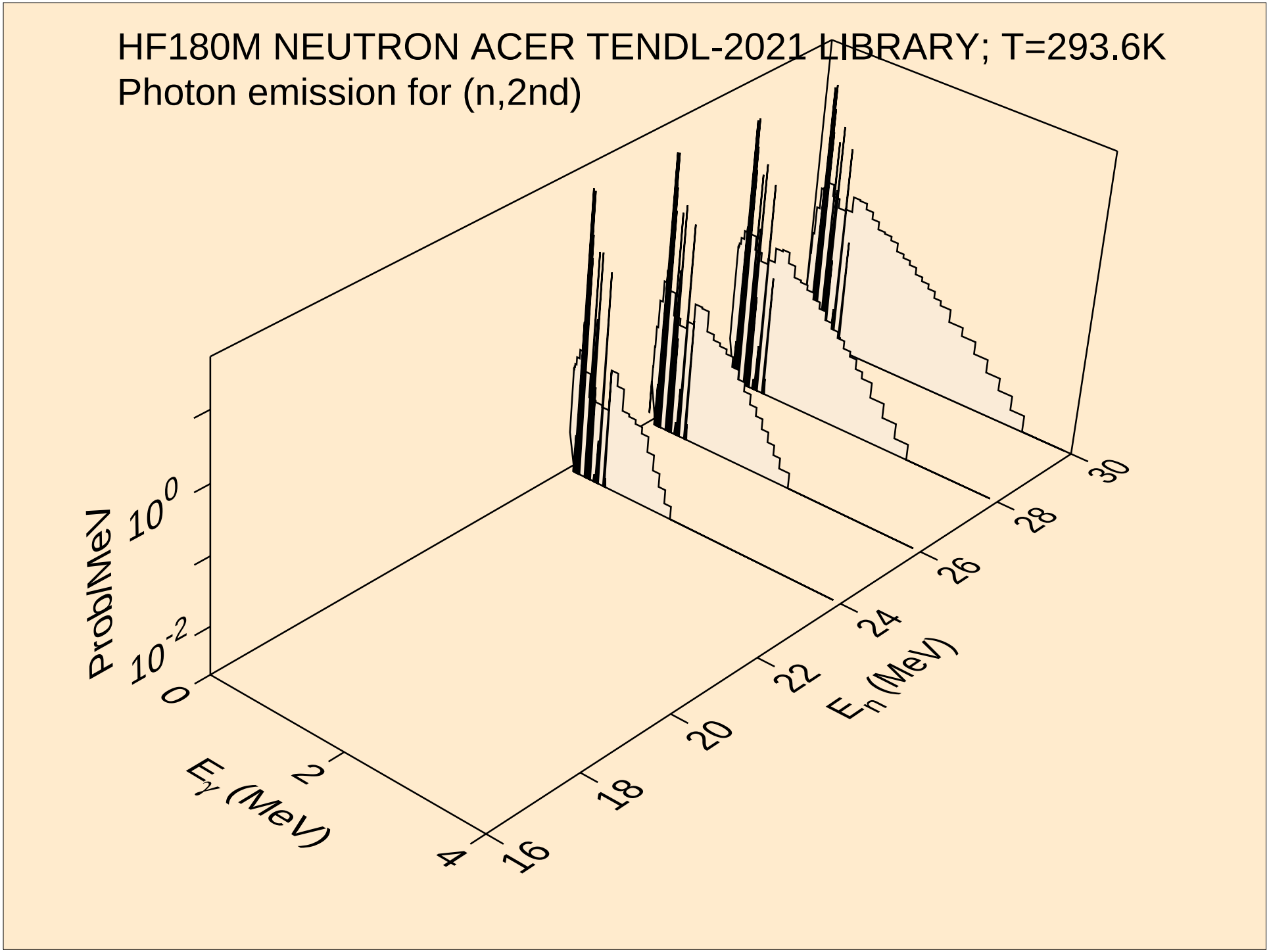

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3np)
Prob/MeV
10-1
10-3
0
2
4
6
Sec. Energy
18
20
22
24
26
28
30
Energy (MeV)

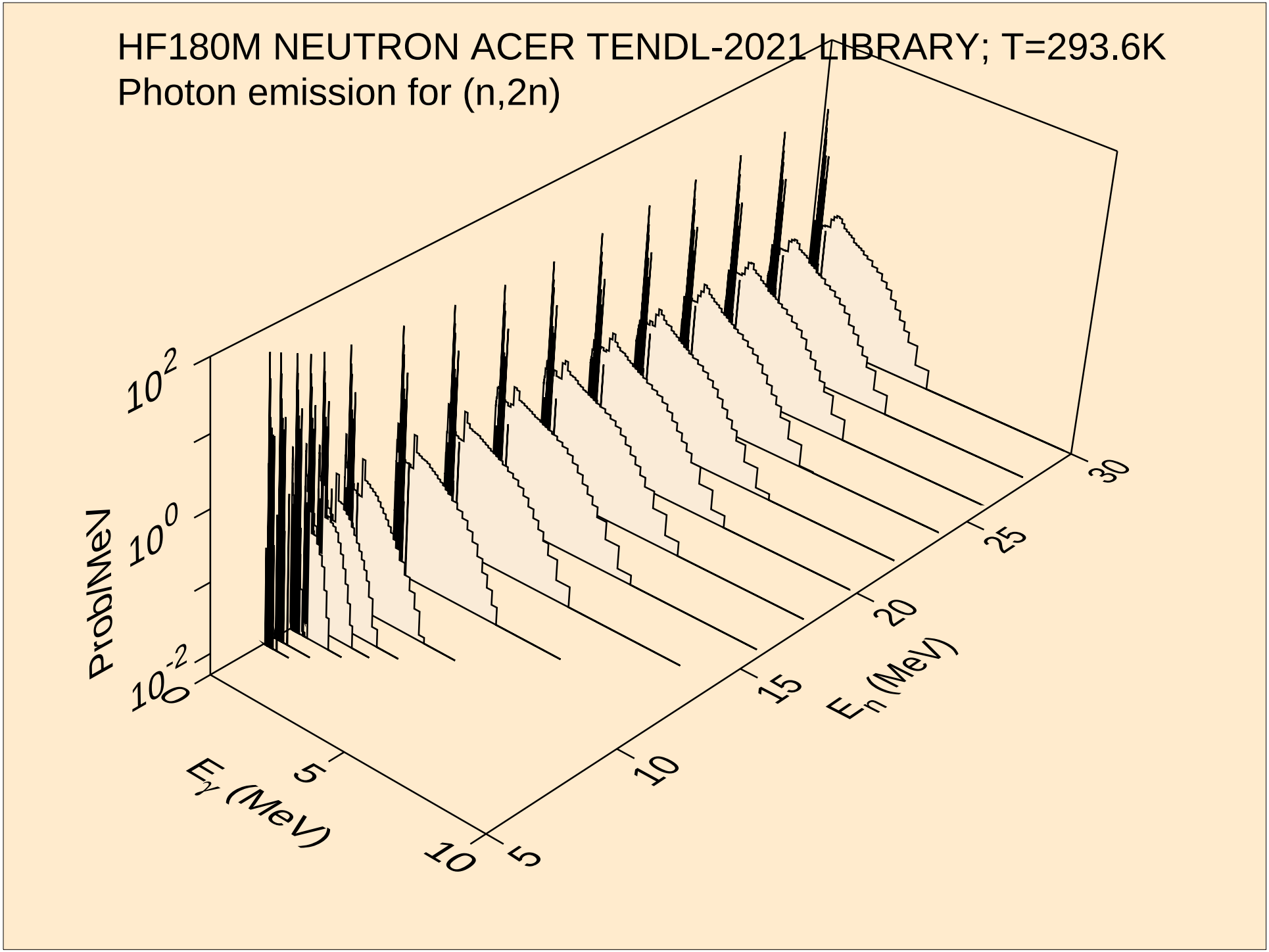

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2np)
Prob/MeV
10^{1}
10^{-1}
0
1
2
3
4
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

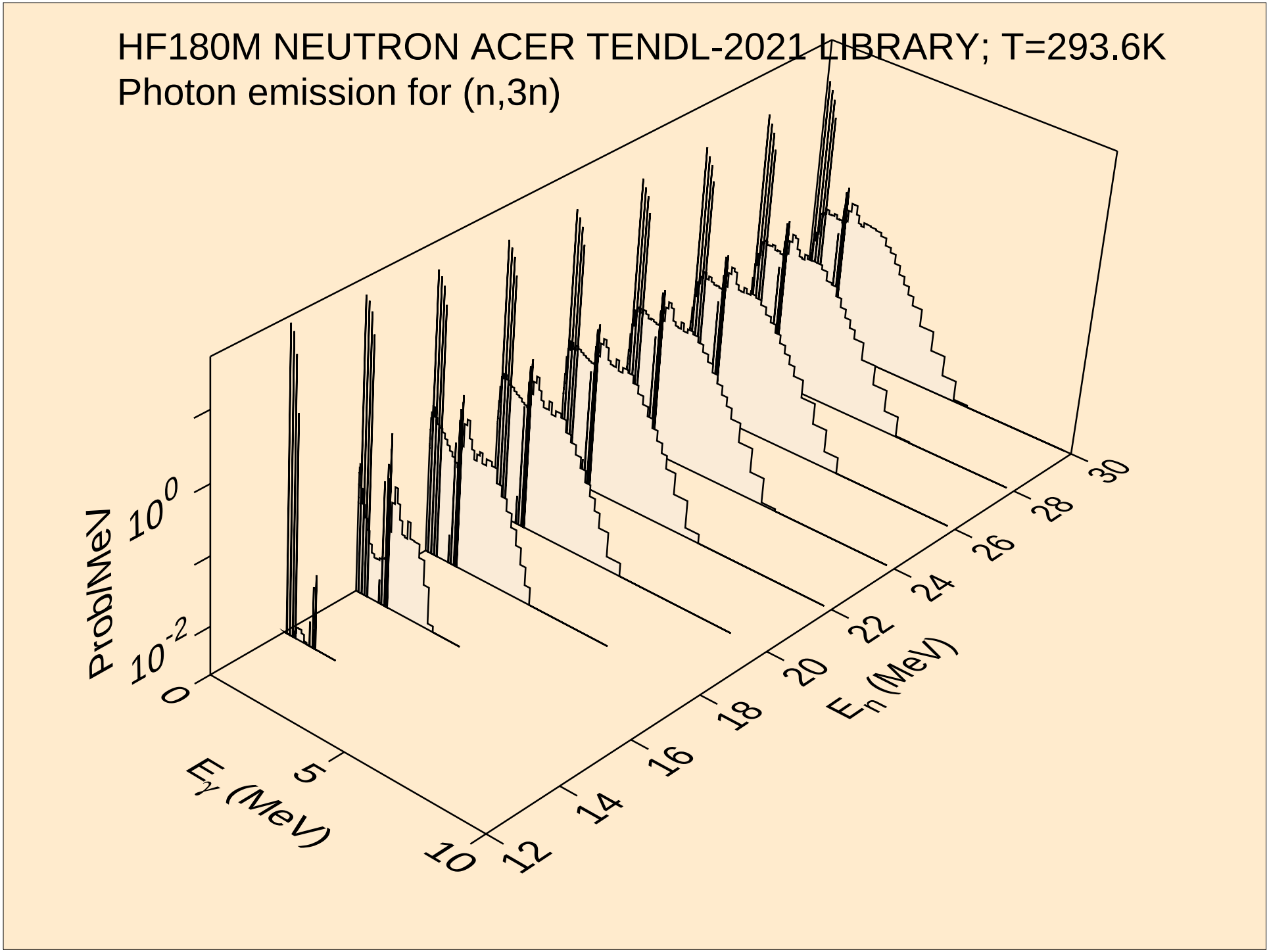

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,npa)
Prob/MeV
10-1
10-3
0
1
2
3
4
5
Sec. Energy
10
15
20
25
30
Energy (MeV)

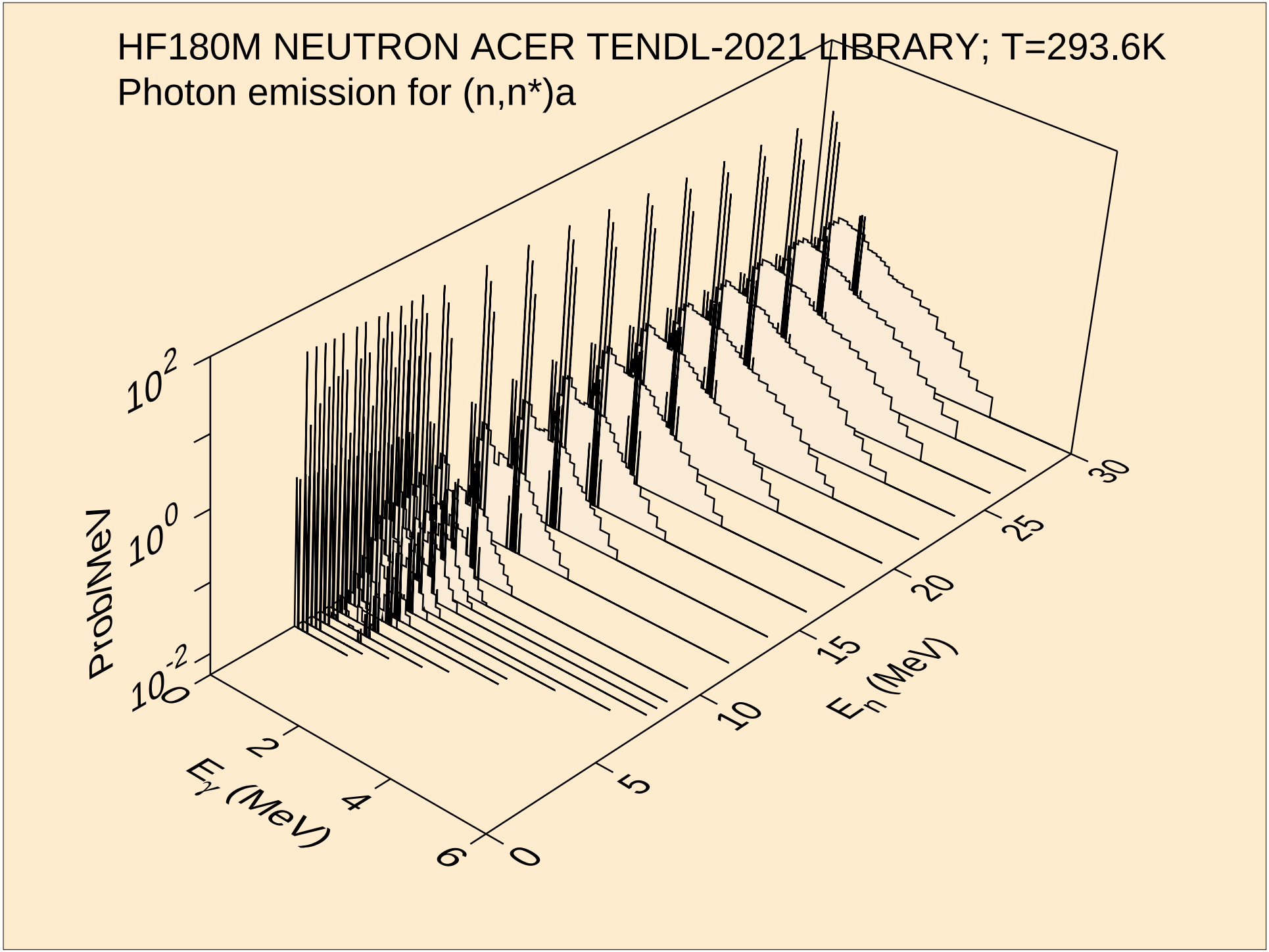

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*c)
Prob/MeV
10^{1}
10^{-1}
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

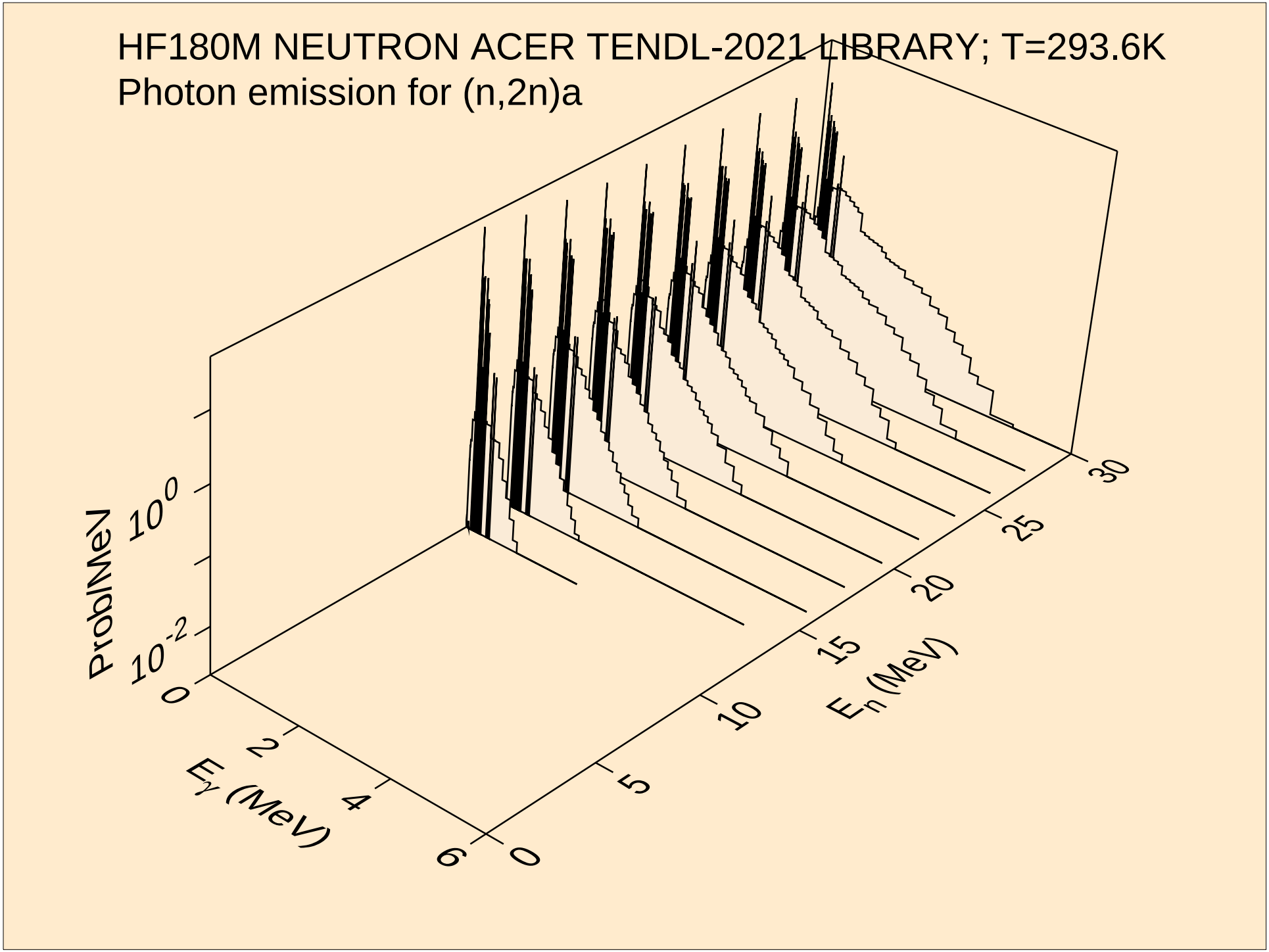

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,x)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
10
20
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

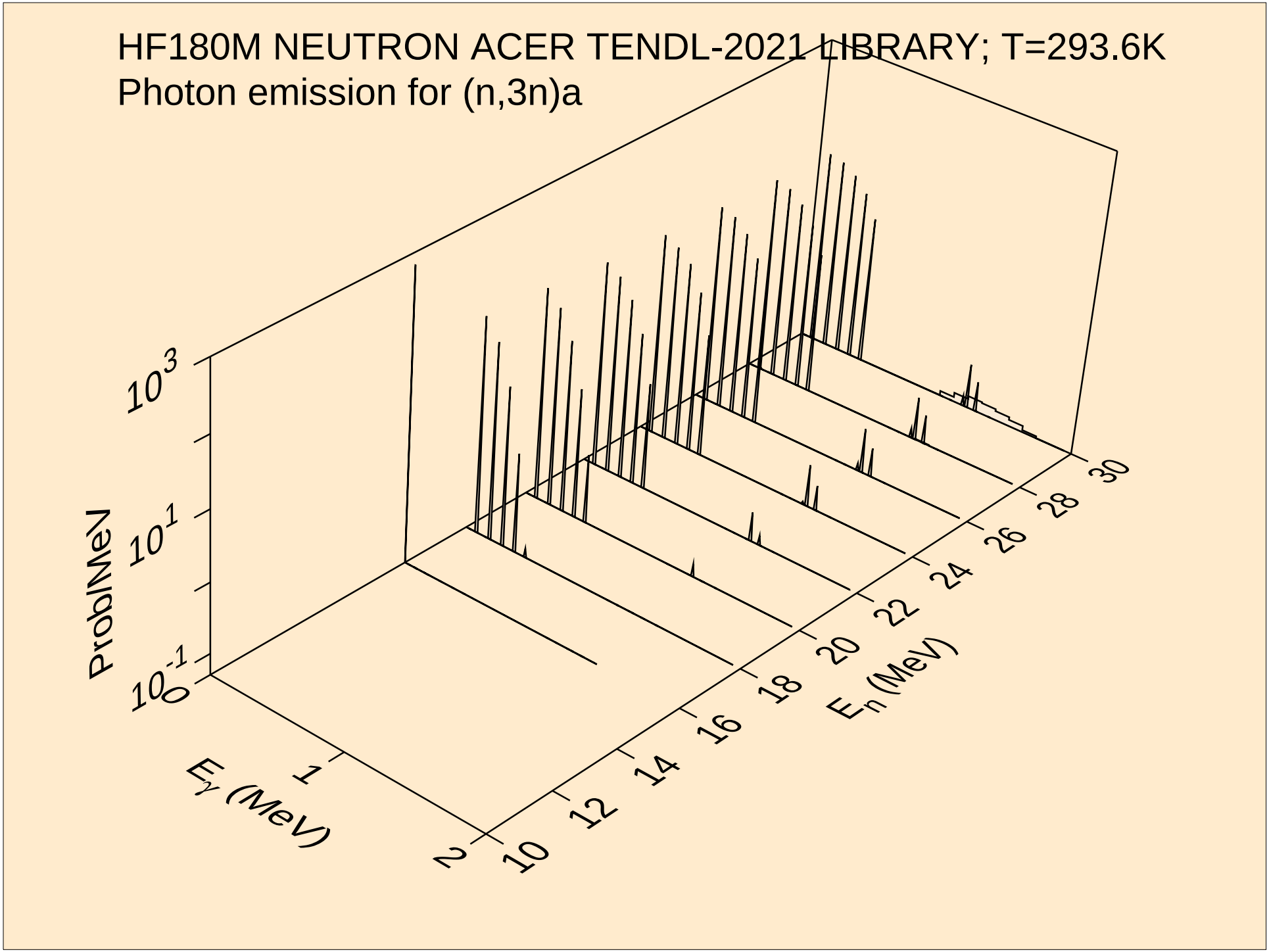

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2nd)
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
16
18
20
22
24
26
28
30
E_n (MeV)

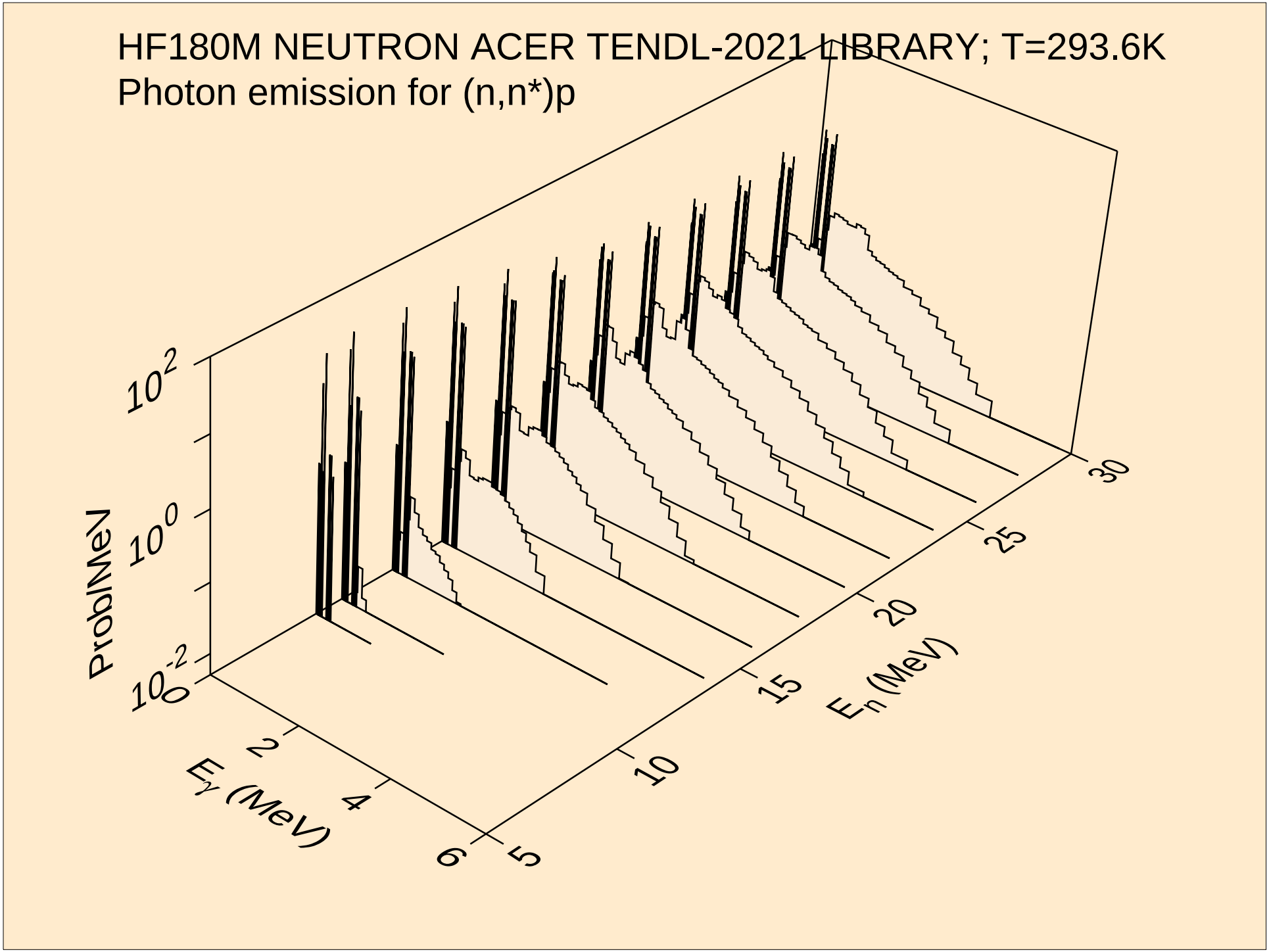

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
5
10
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

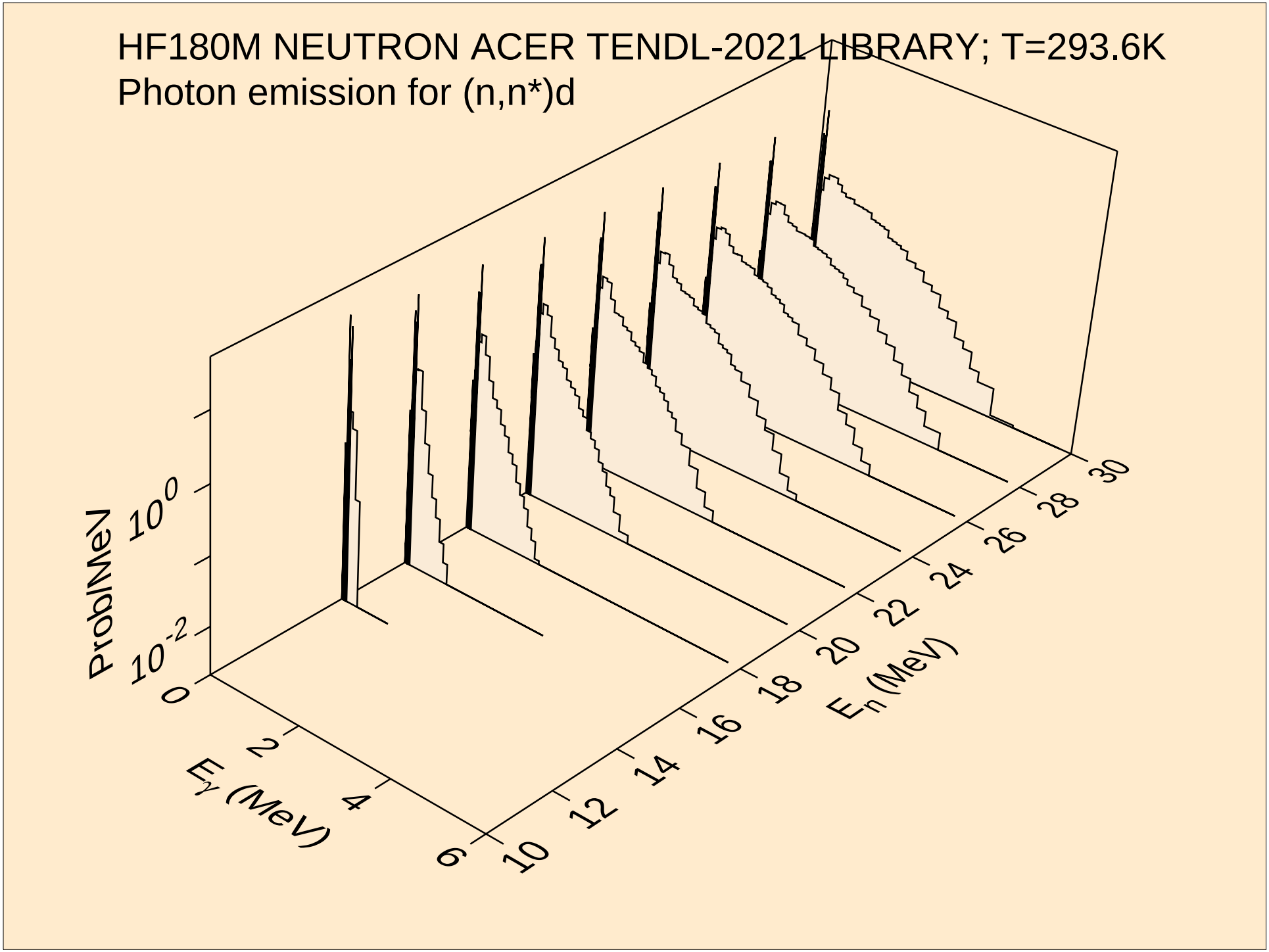

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3n)
Prob/MeV
10^0
10^-2
0
5
10
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

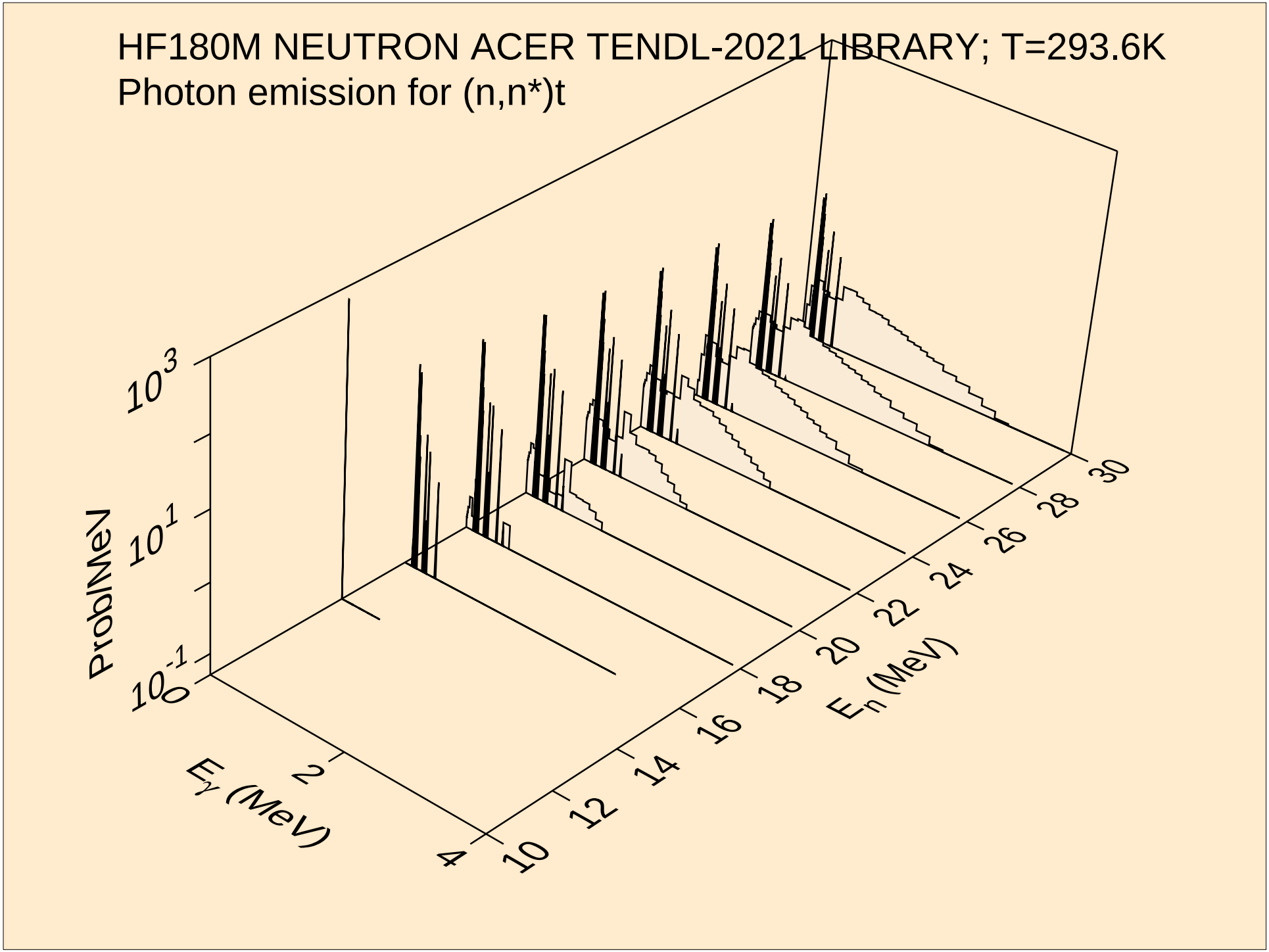

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)a
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
2
4
6
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

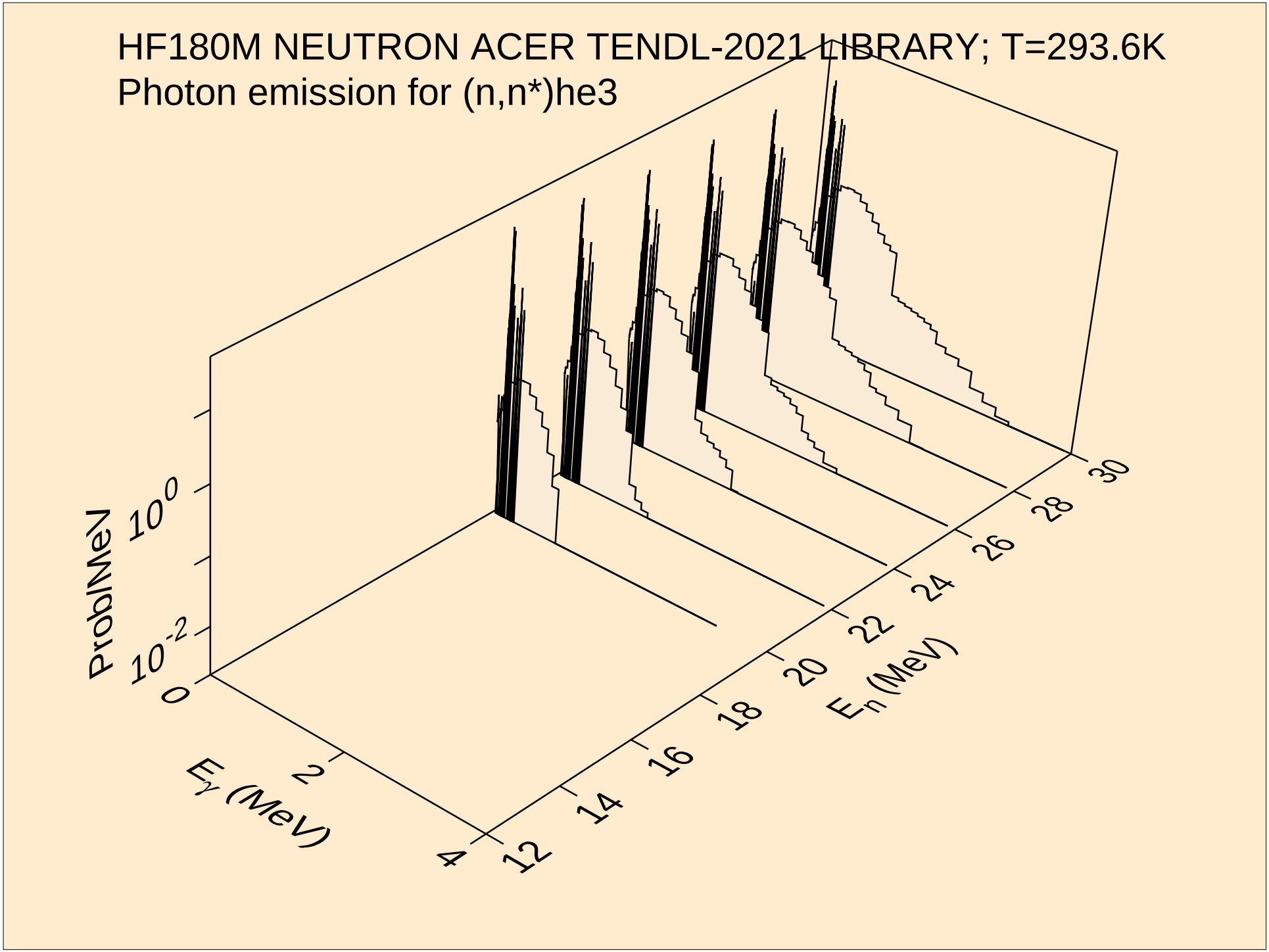

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)a
Prob/MeV
10^0
10^-2
0
2
4
6
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

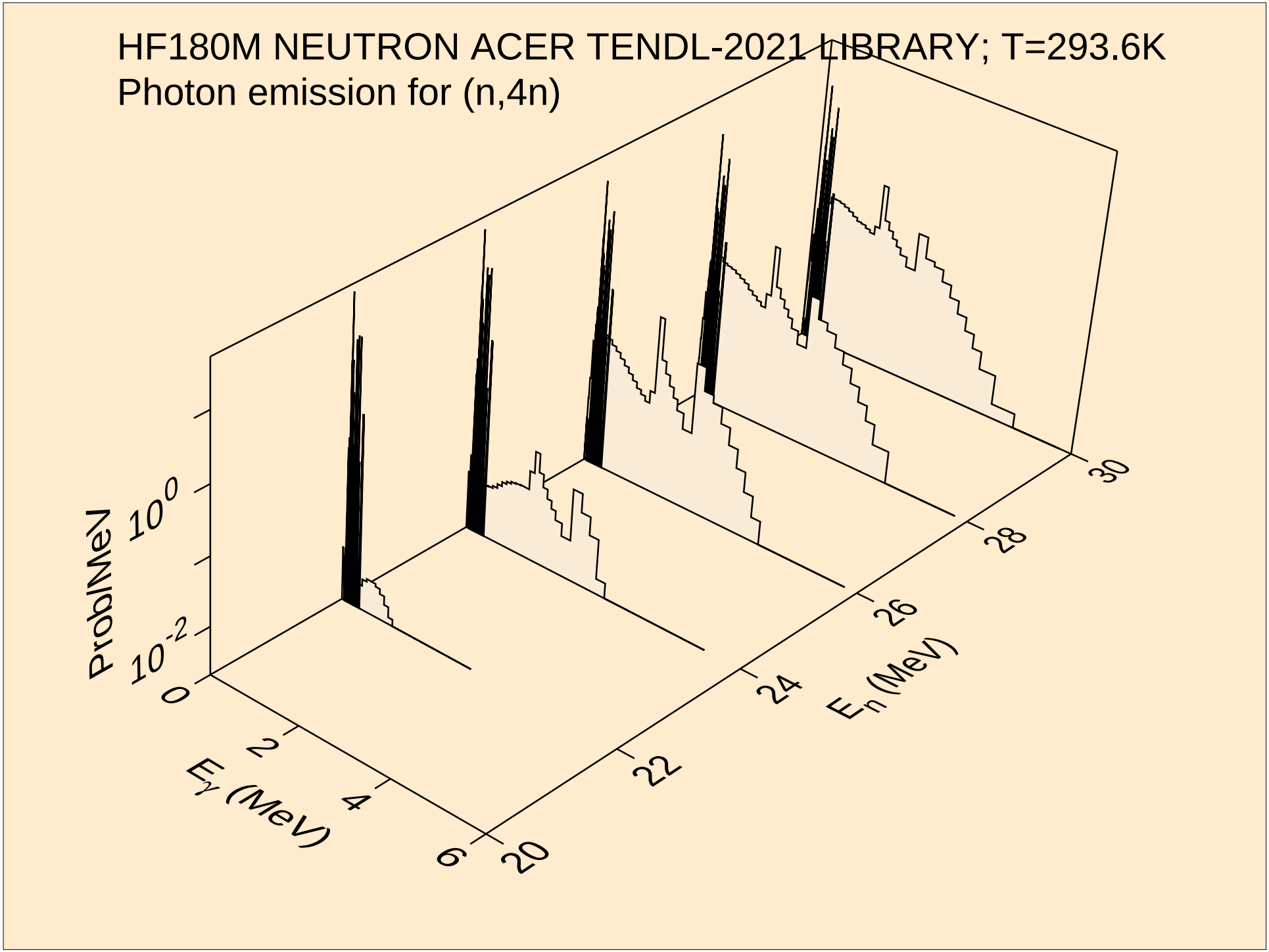

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3n)a
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
1
2
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

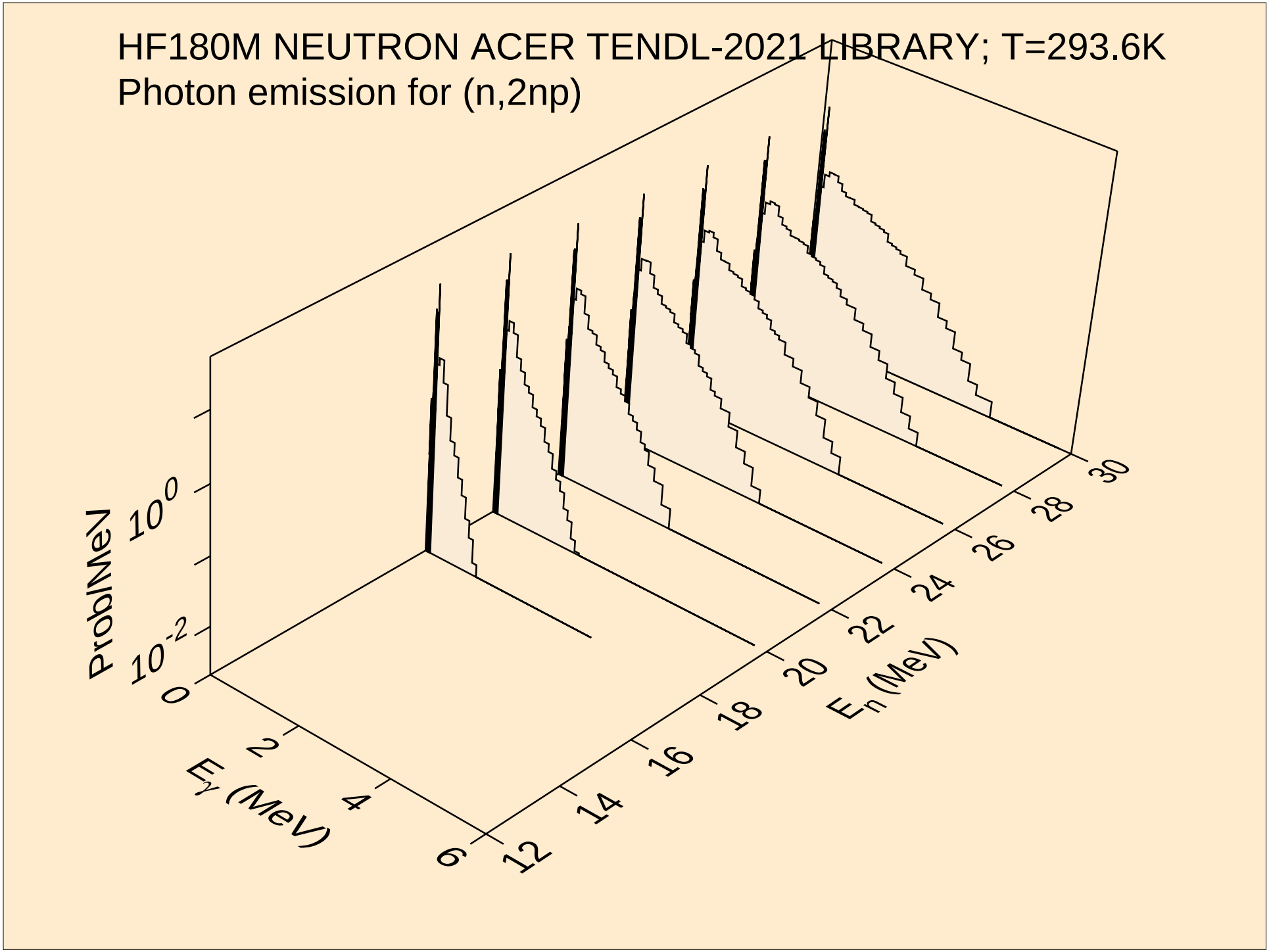

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)p
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
2
4
6
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

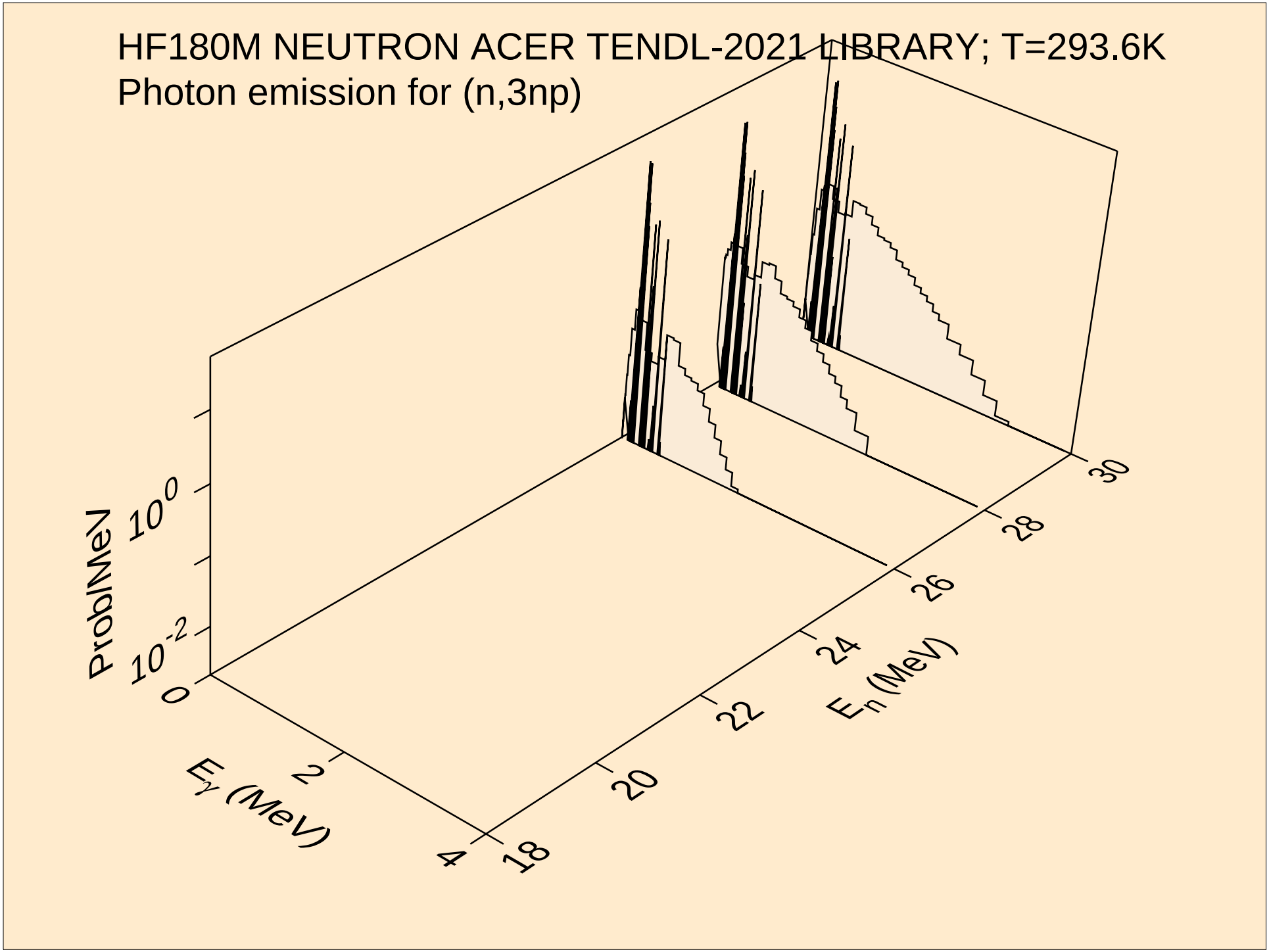

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)d
Prob/MeV
10^0
10^-2
0
2
4
6
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

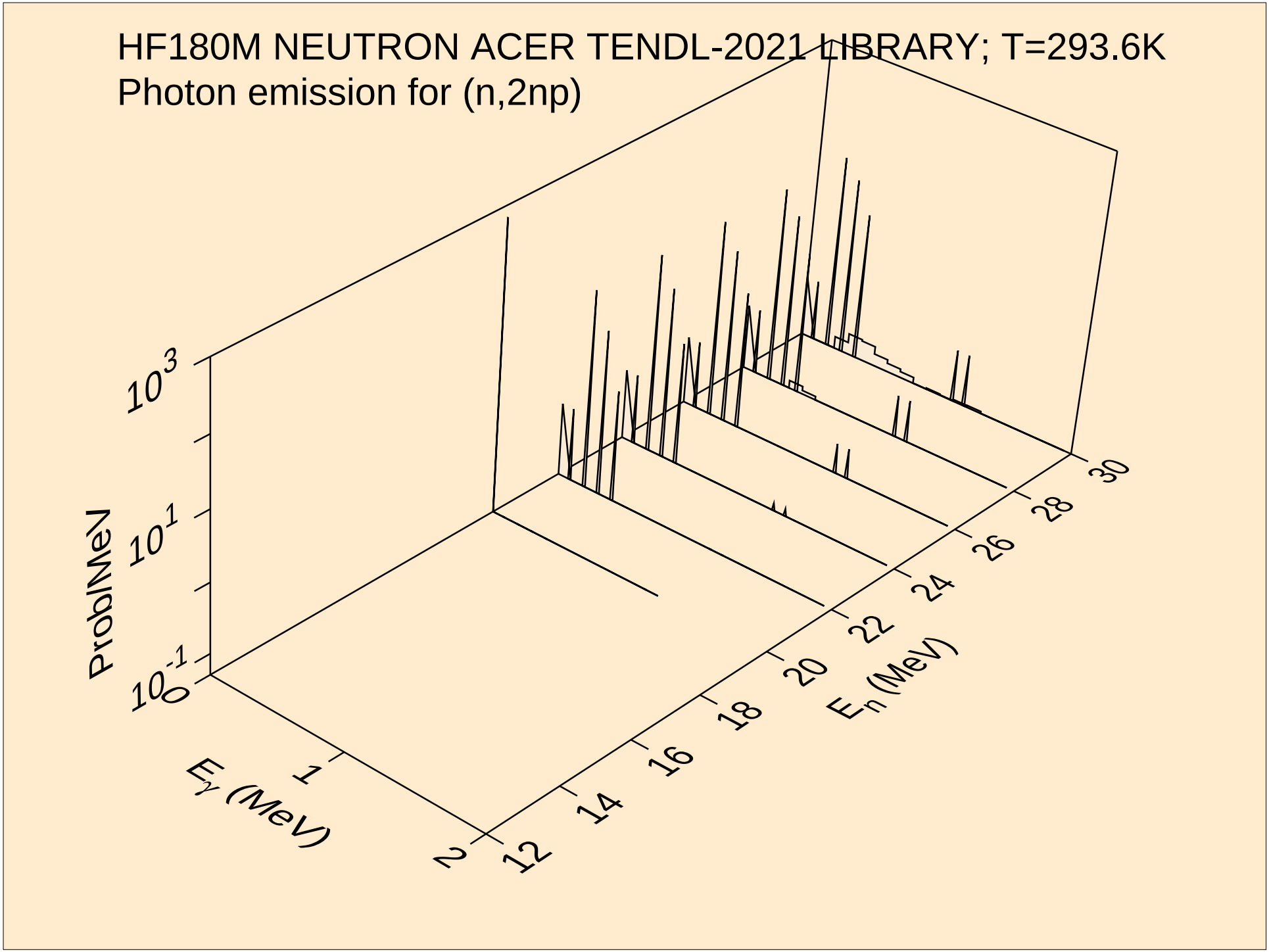

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)t
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

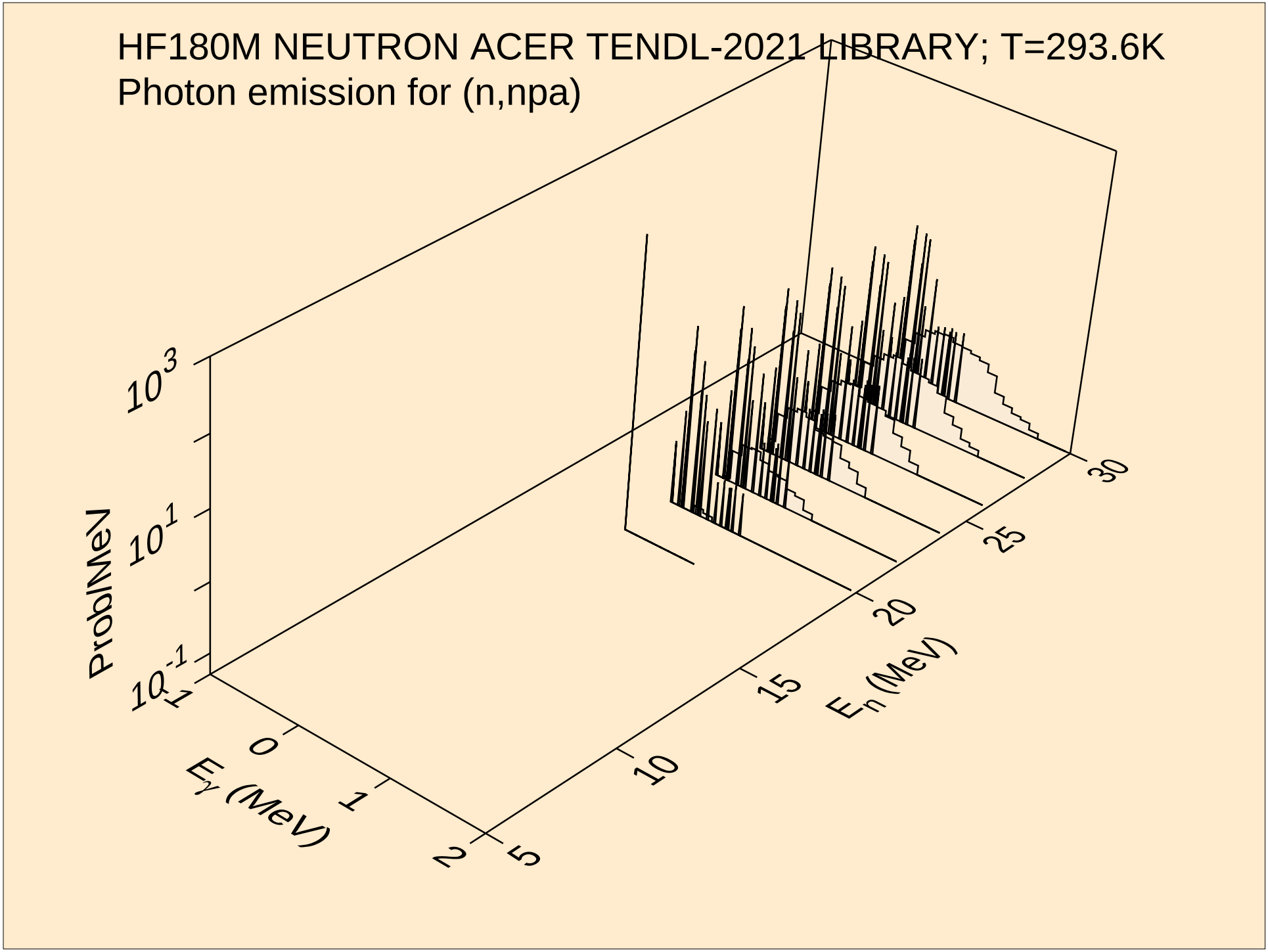

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)he3
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

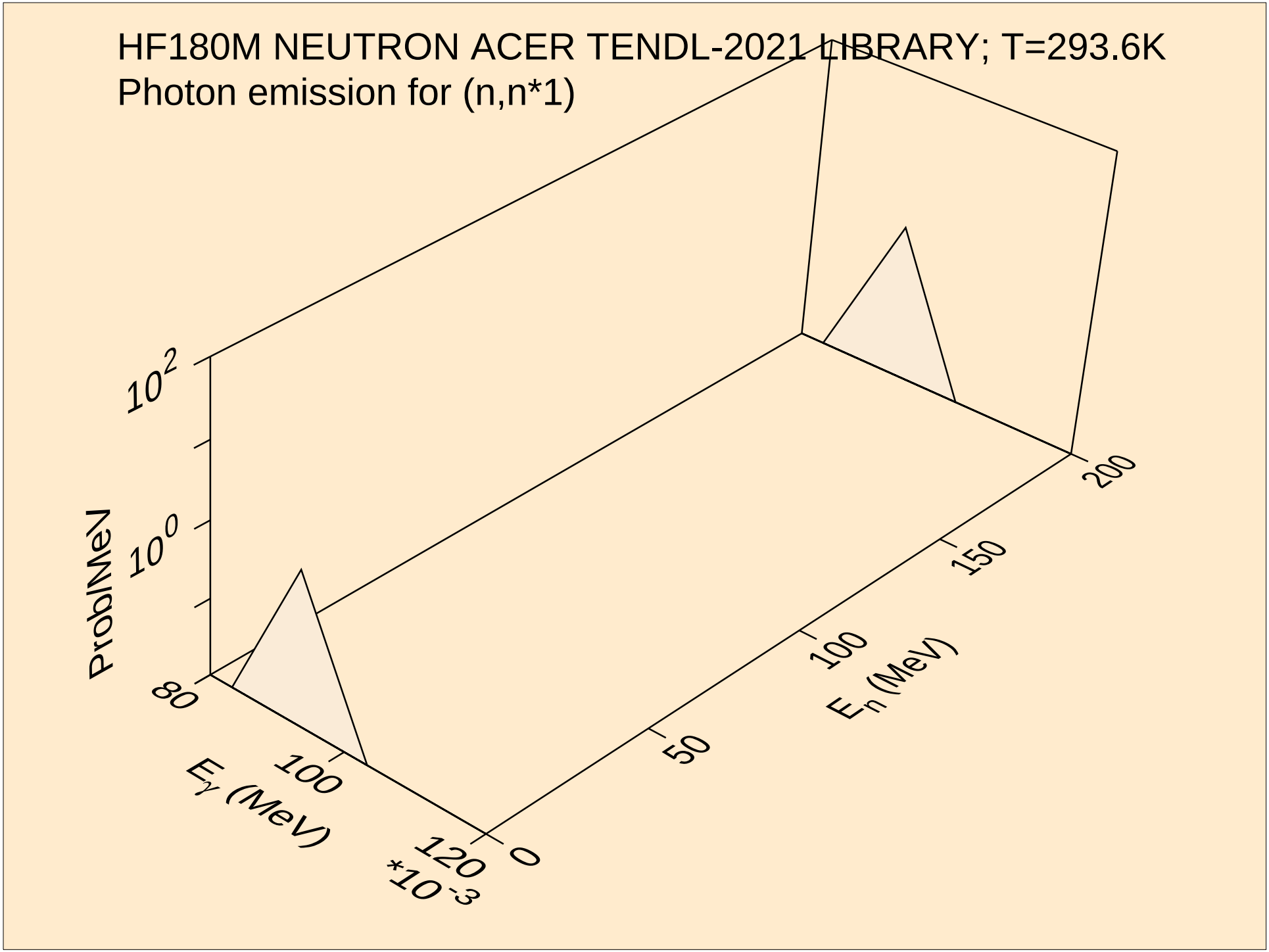

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,4n)
Prob/MeV
10^{0}
10^{-2}
0
2
4
6
E_γ (MeV)
20
22
24
26
28
30
E_n (MeV)

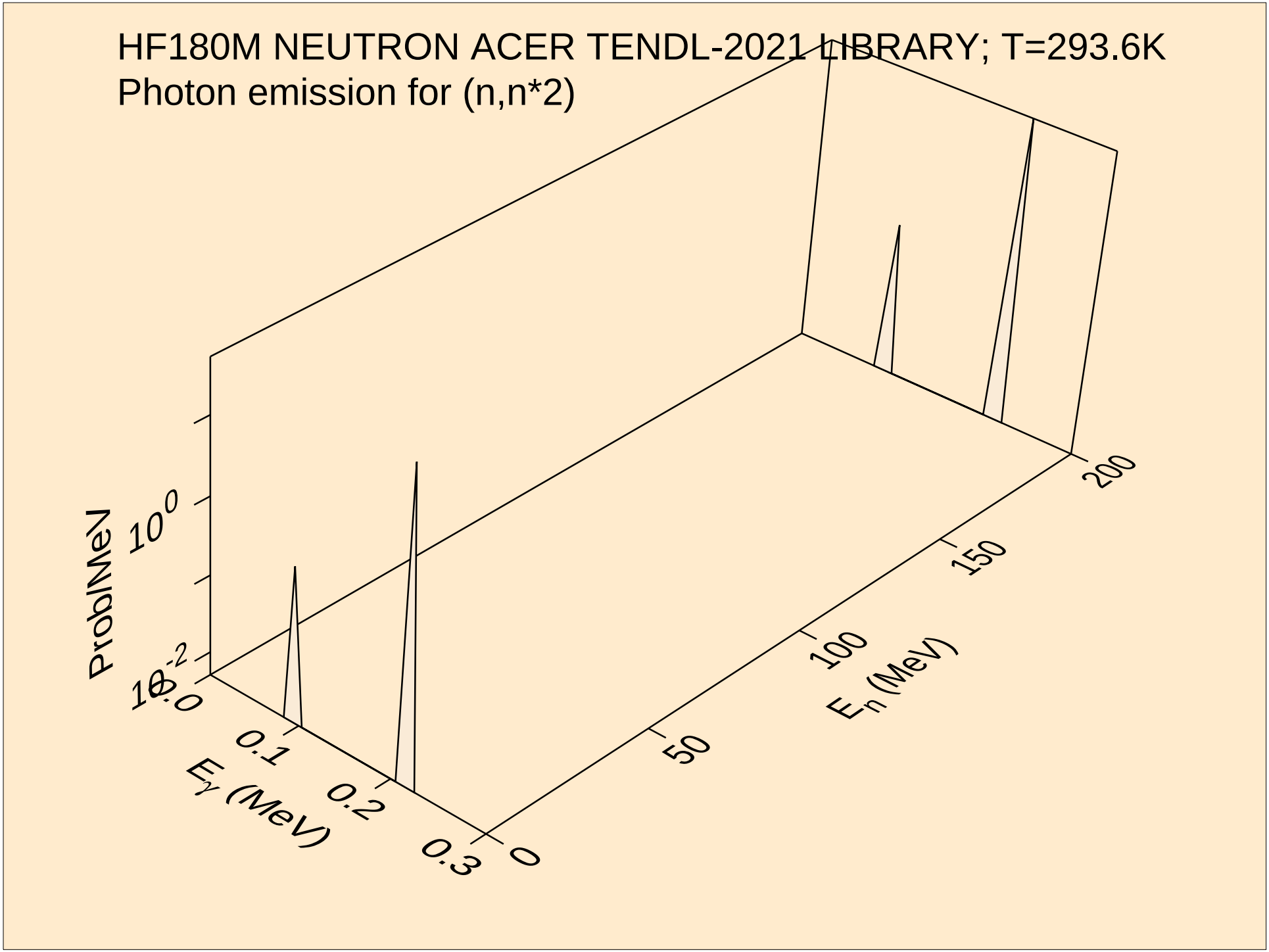

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2np)
Prob/MeV
10^0
10^-2
0
2
4
6
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

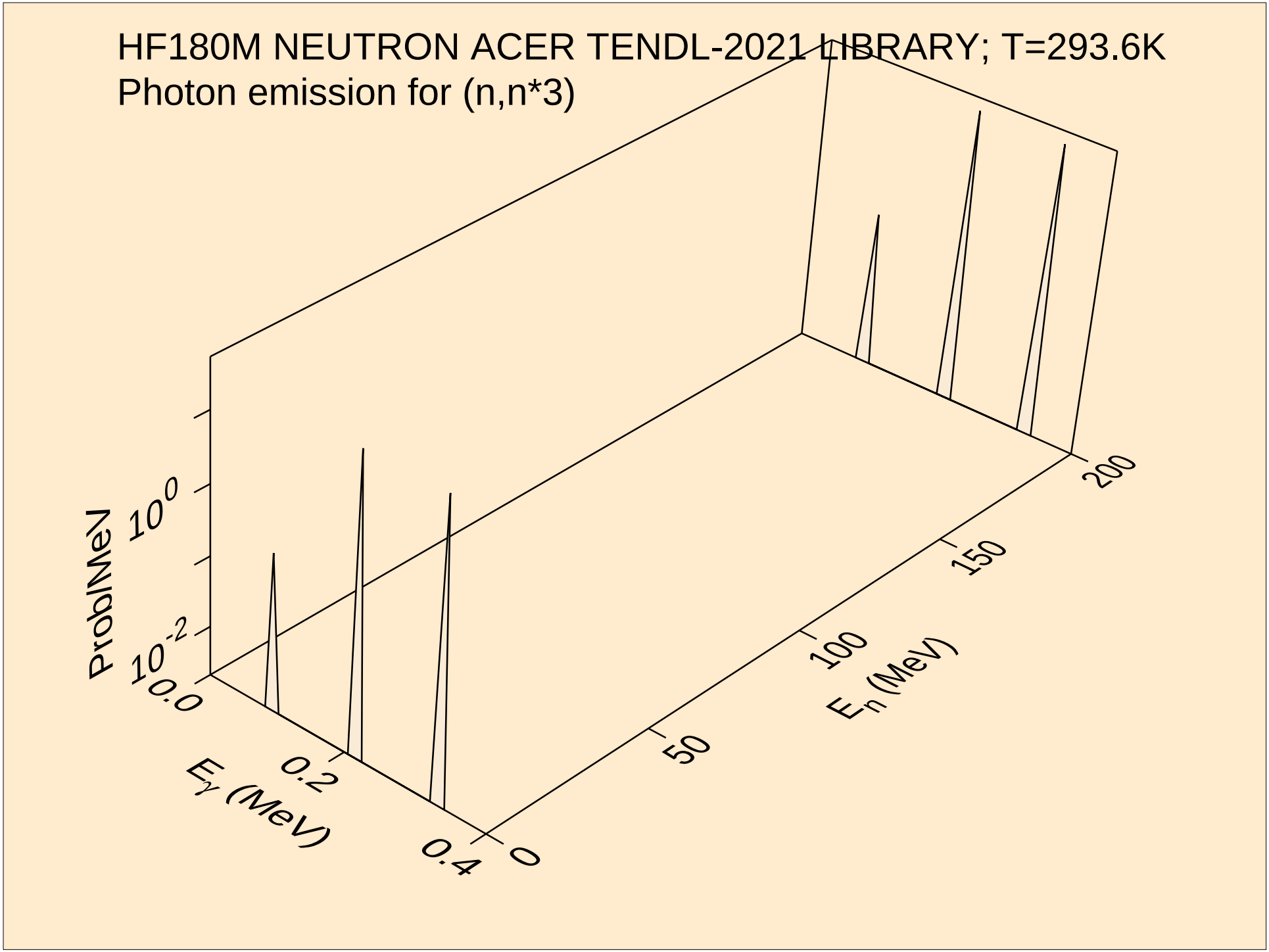

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3np)
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
18
20
22
24
26
28
30
E_n (MeV)

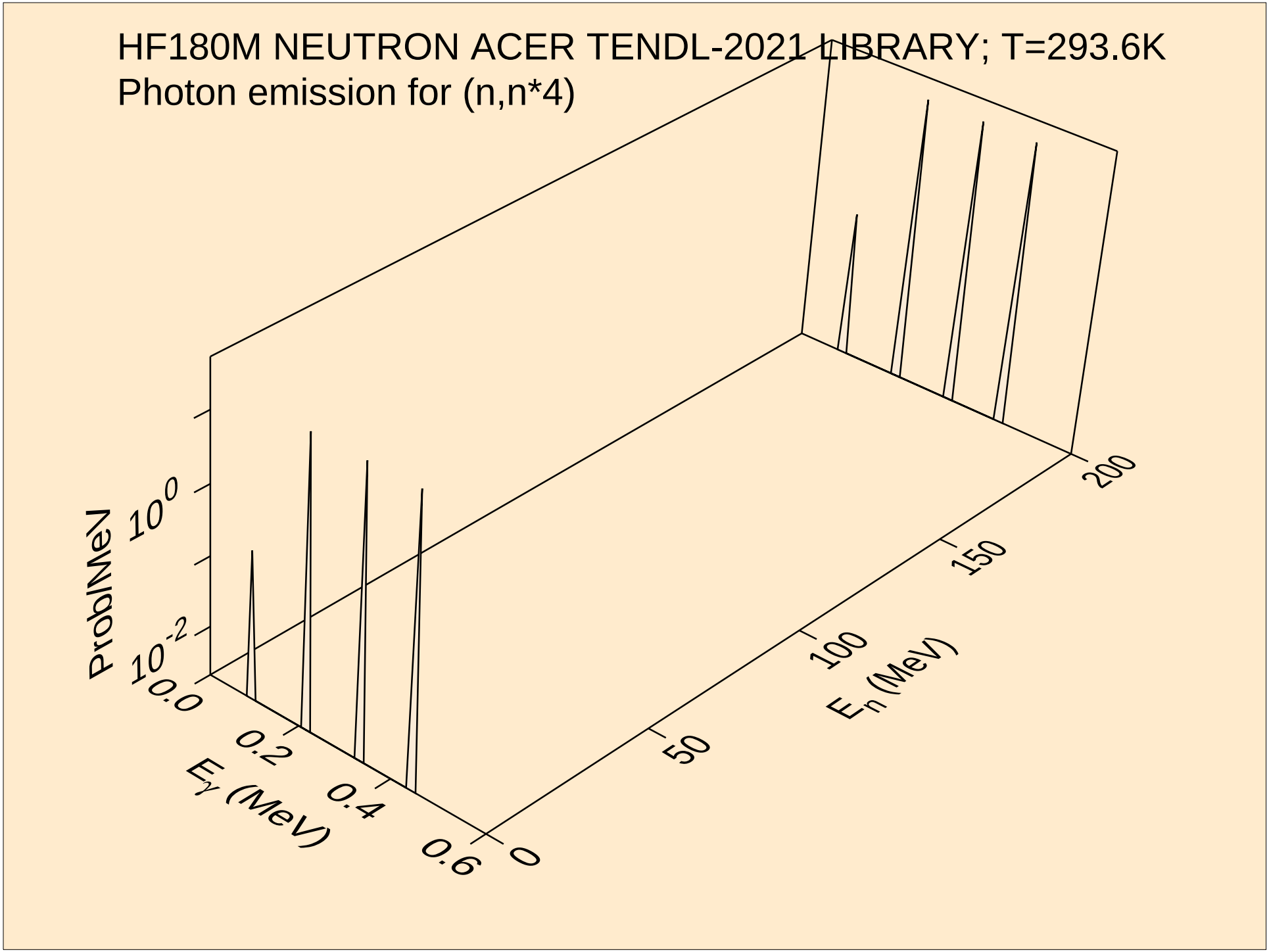

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2np)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
1
2
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

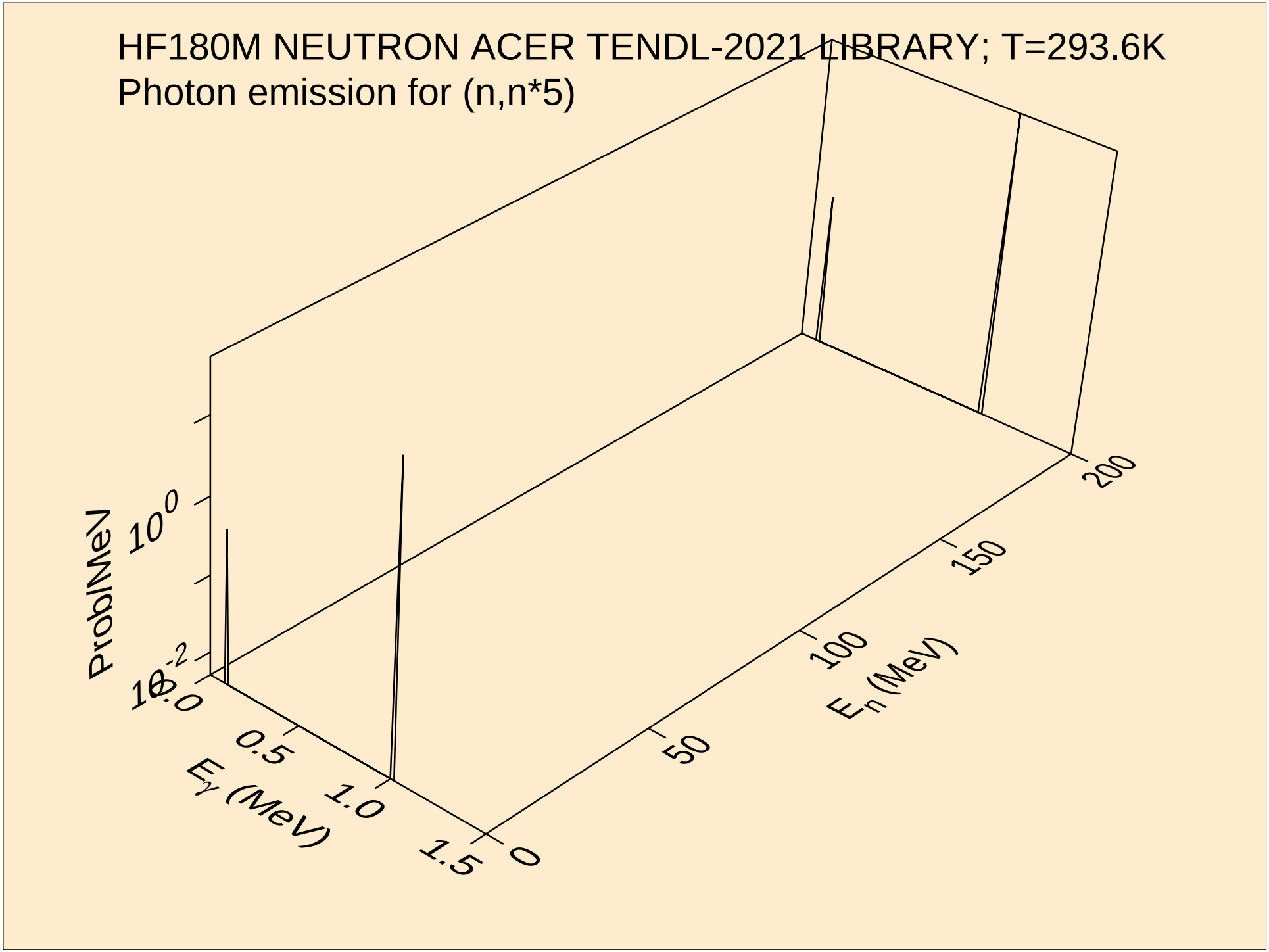

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,npa)
Prob/MeV
10^{3}
10^{1}
10^{-1}
E_γ (MeV)
-1
0
1
2
5
10
15
20
25
30
E_n (MeV)

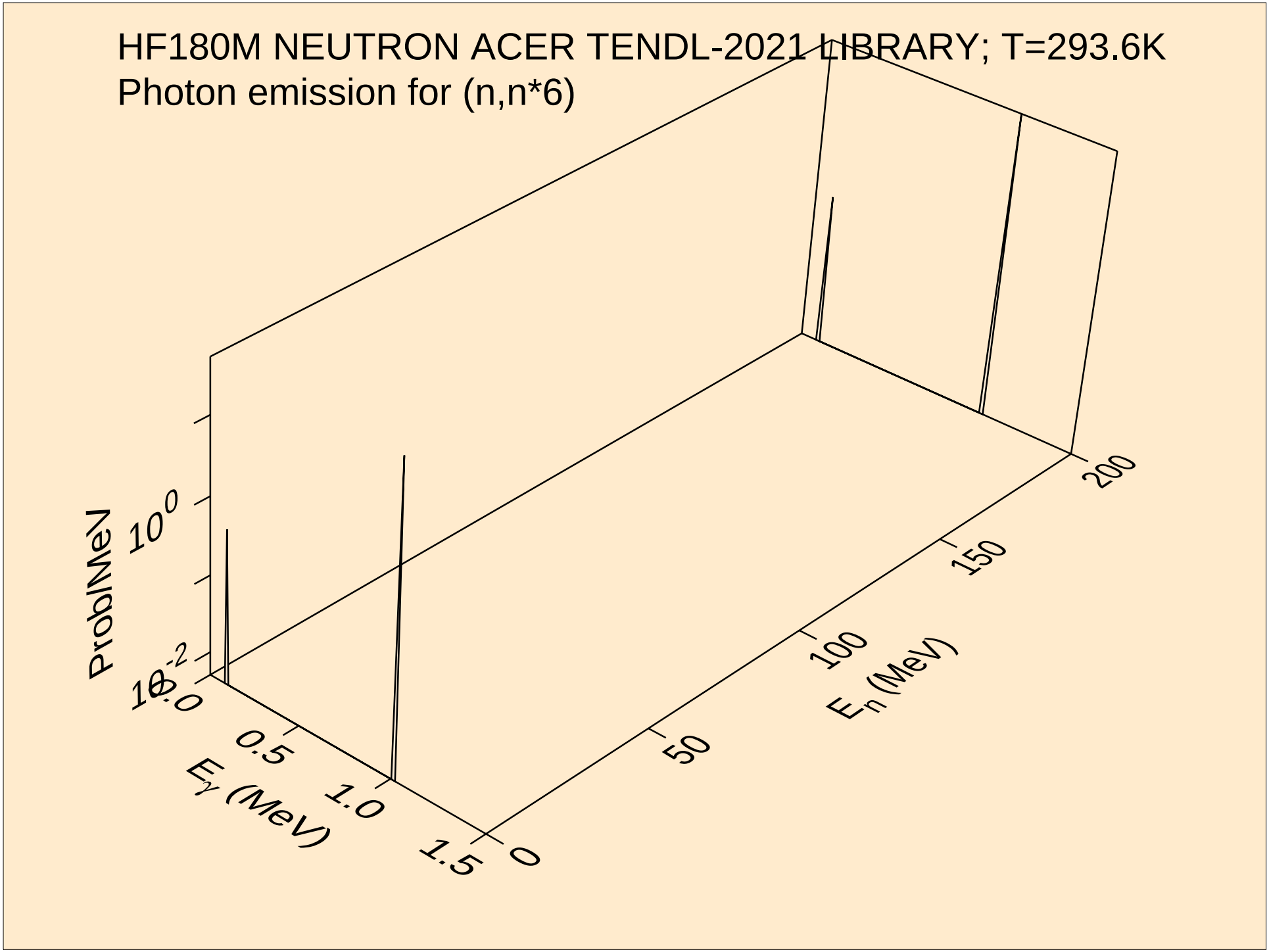

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*1)
Prob/MeV
10^2
10^0
80
100
120
E_γ (MeV)
*10 -3
0
50
100
150
200
E_n (MeV)

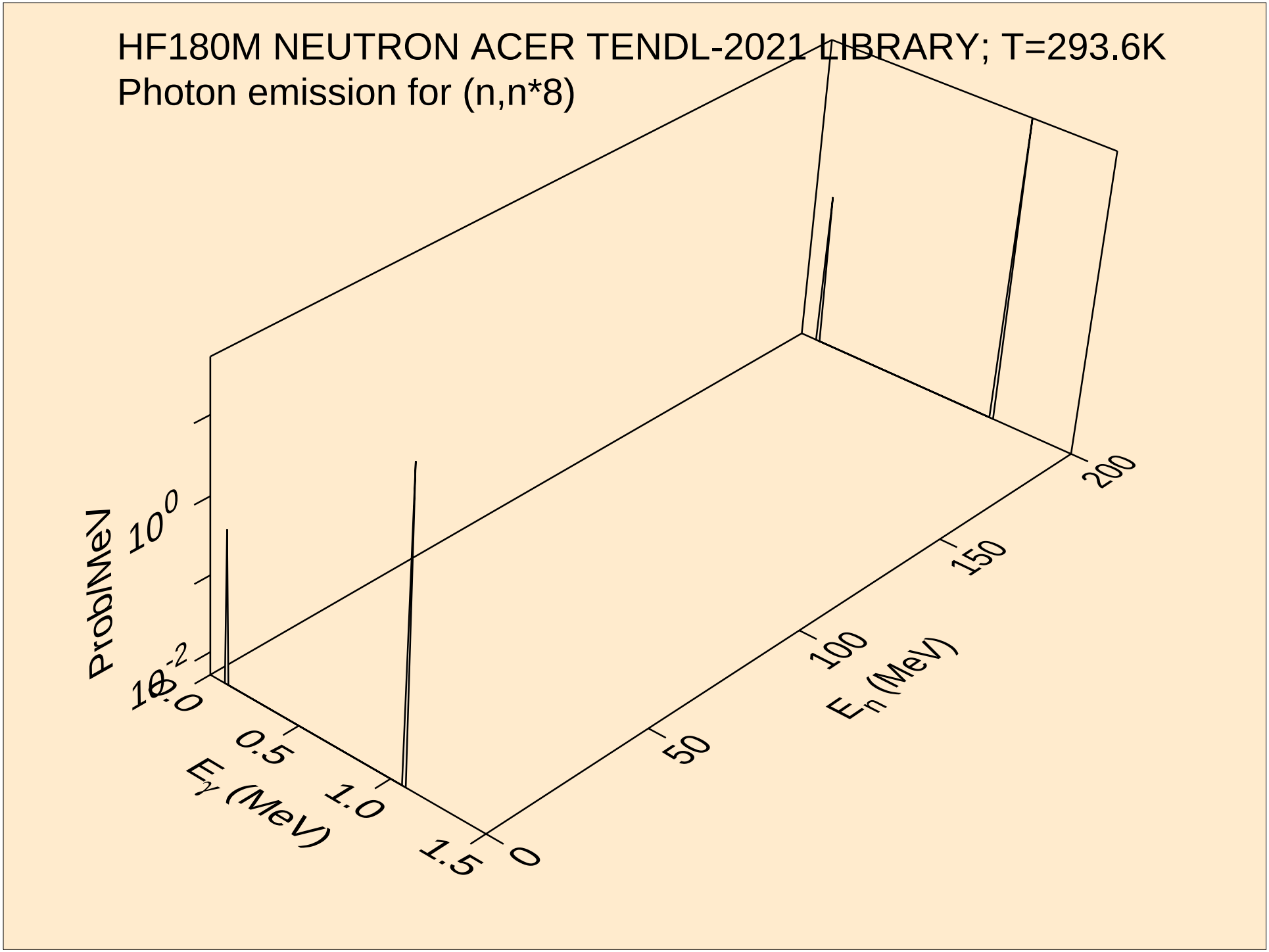

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*2)
Prob/MeV
10^0
10^-2
0.0
0.1
0.2
0.3
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

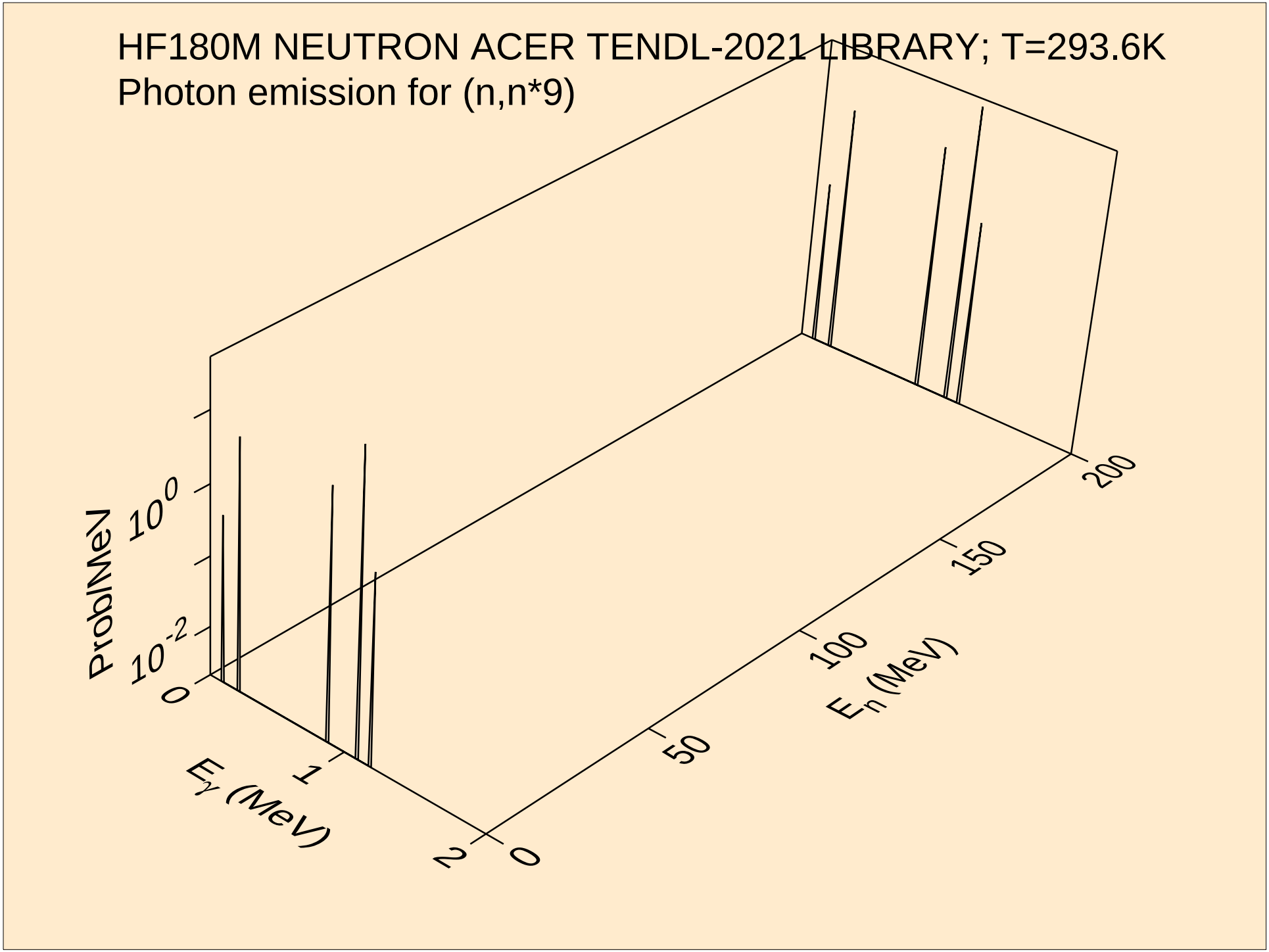

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*3)
Prob/MeV
10^0
10^-2
0.0
0.2
0.4
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

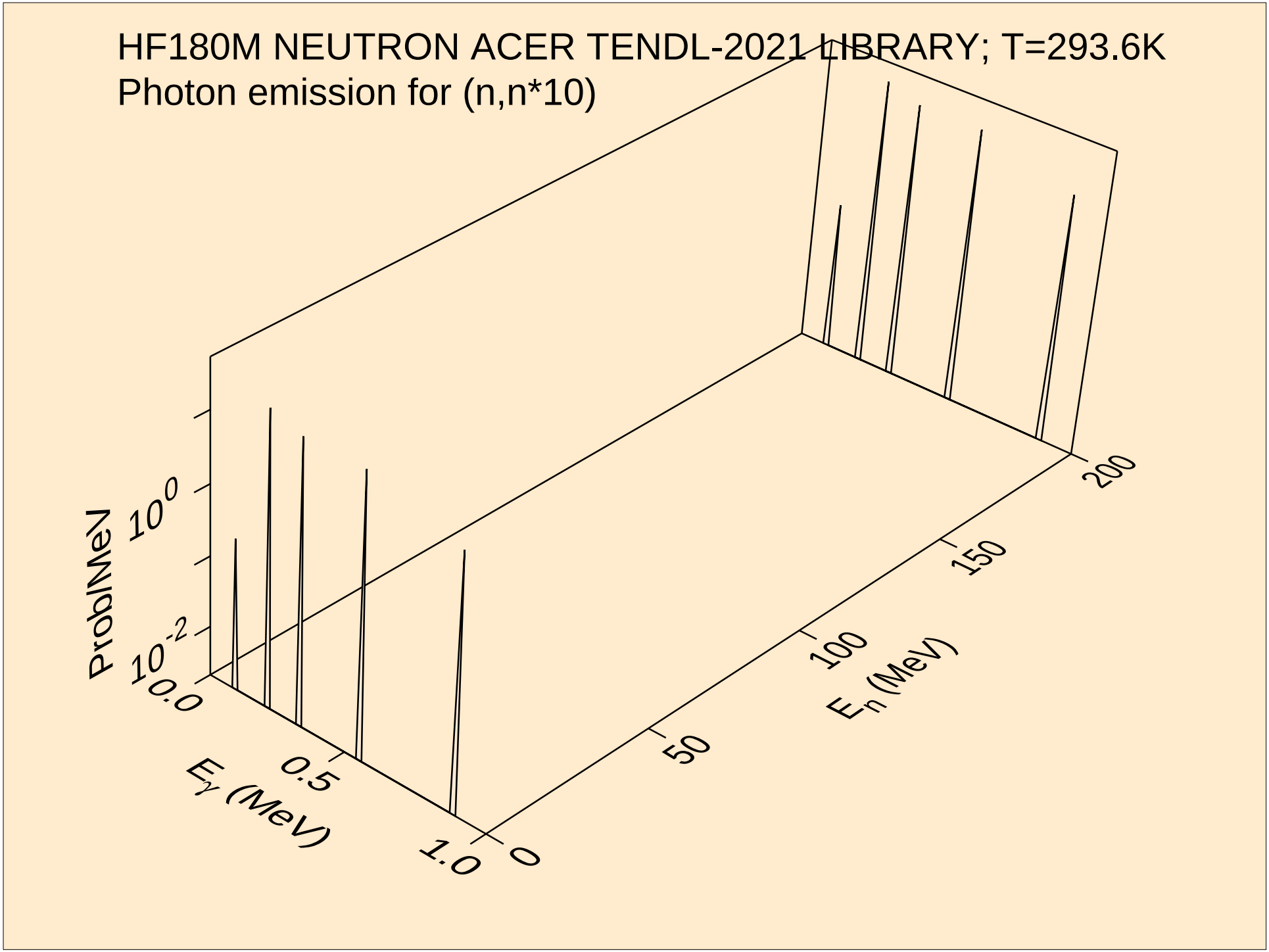

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*4)
Prob/MeV
10^0
10^-2
0.0
0.2
0.4
0.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

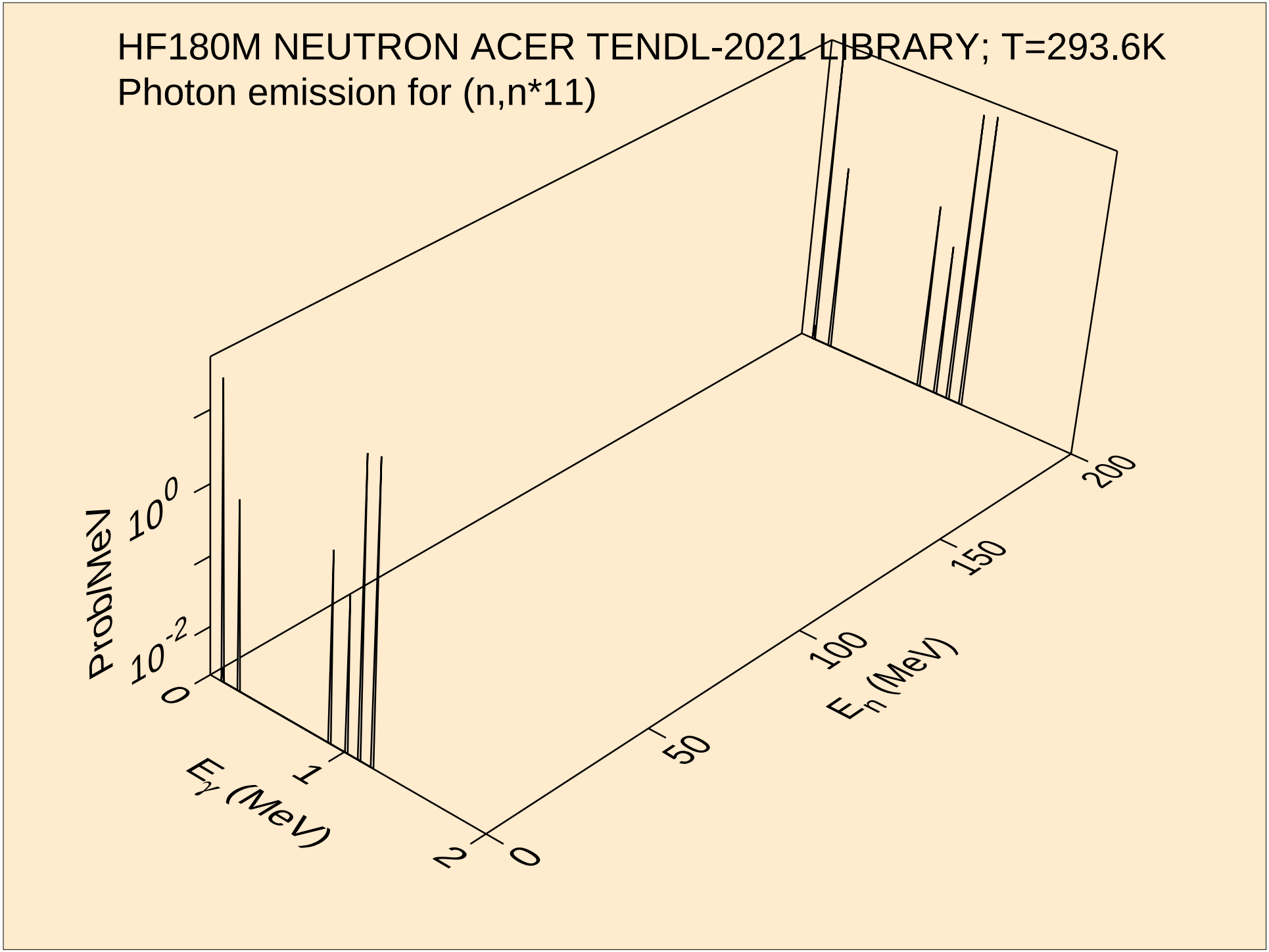

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*5)
Prob/MeV
10^{0}
10^{-2}
0.0
0.5
1.0
1.5
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

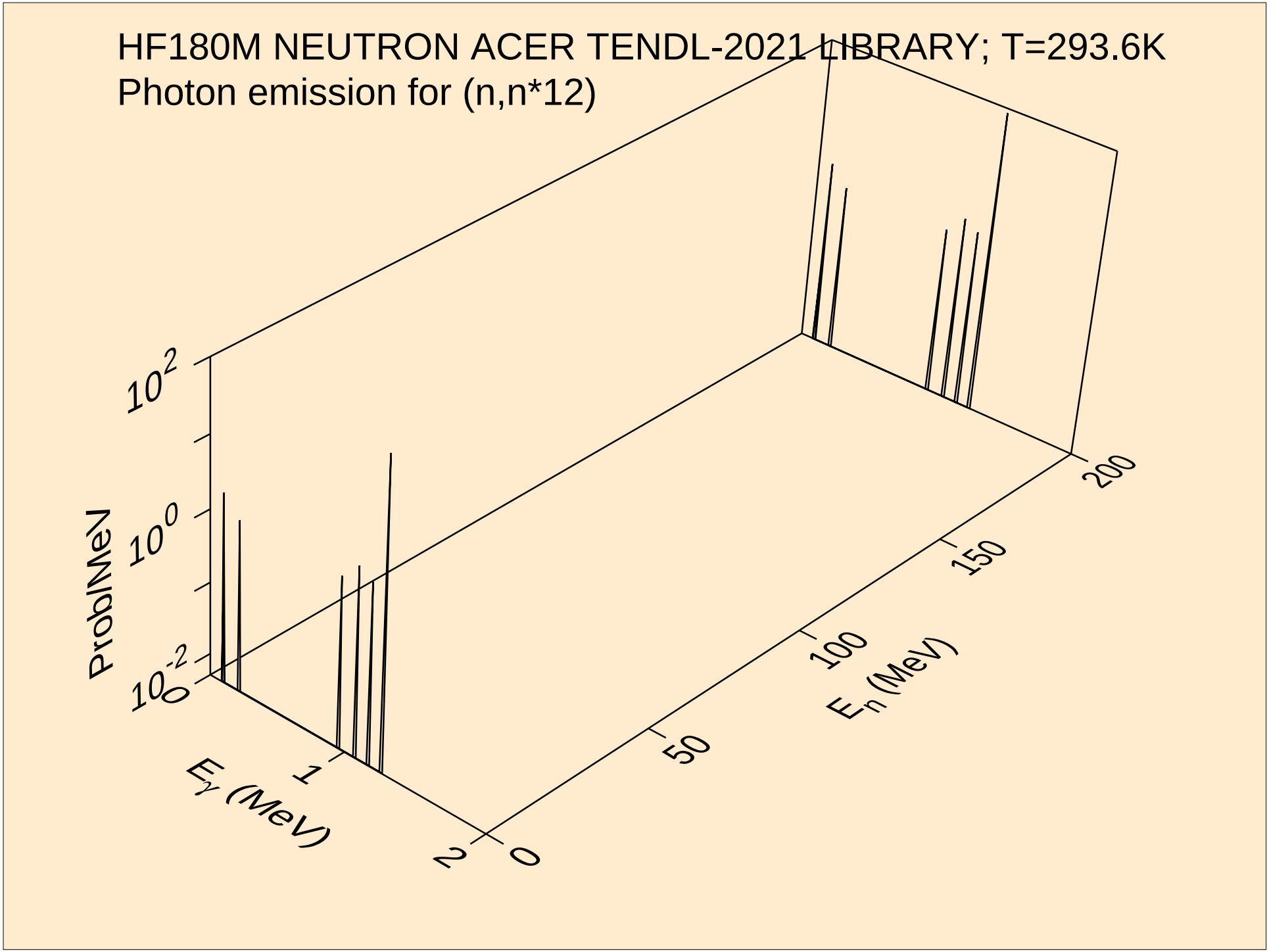

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*6)
Prob/MeV
10^{0}
10^{-2}
0.0
0.5
1.0
1.5
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

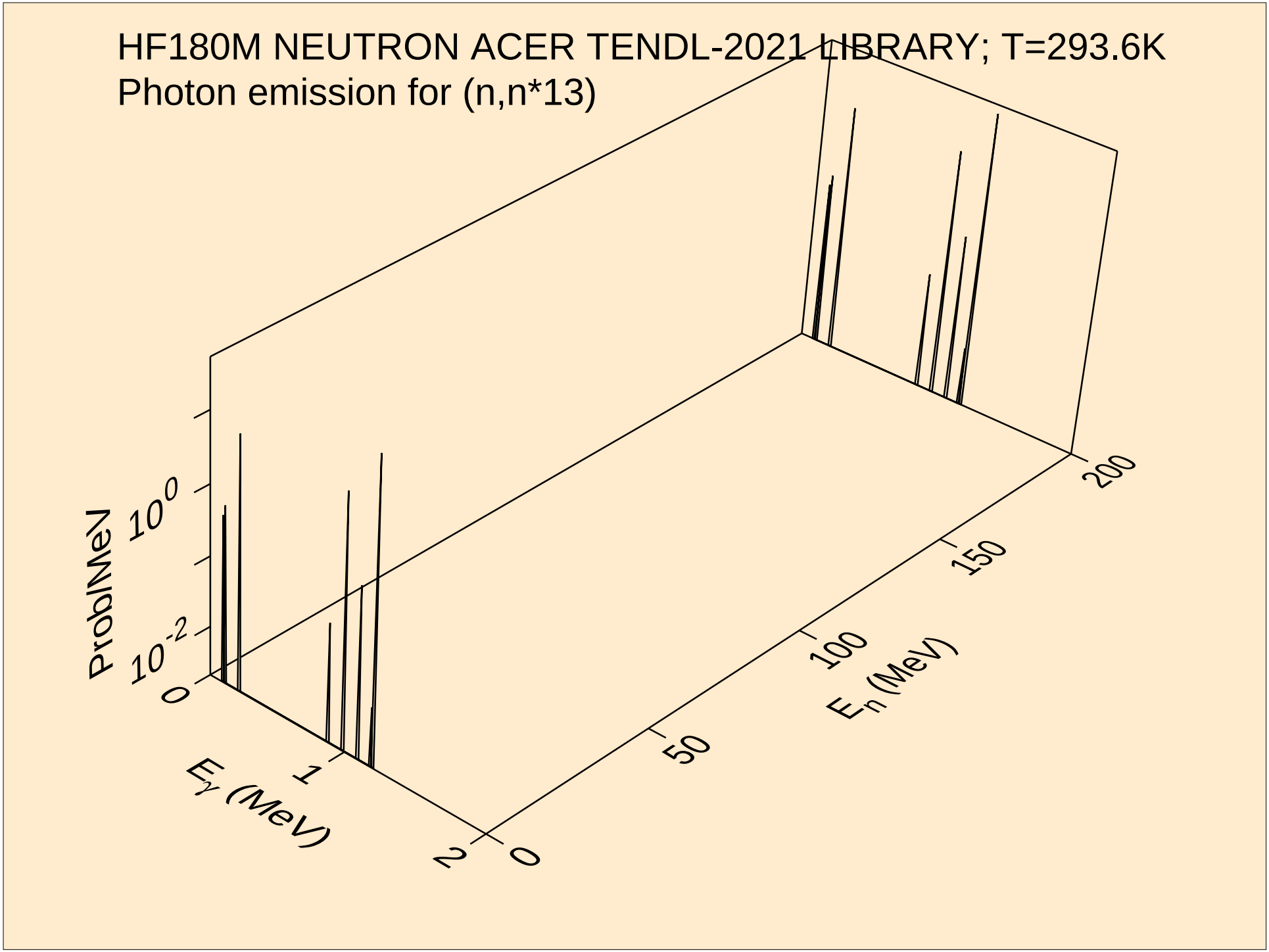

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*8)
Prob/MeV
10^0
10^-2
0.0
0.5
1.0
1.5
Eγ (MeV)
0
50
100
150
200
En (MeV)

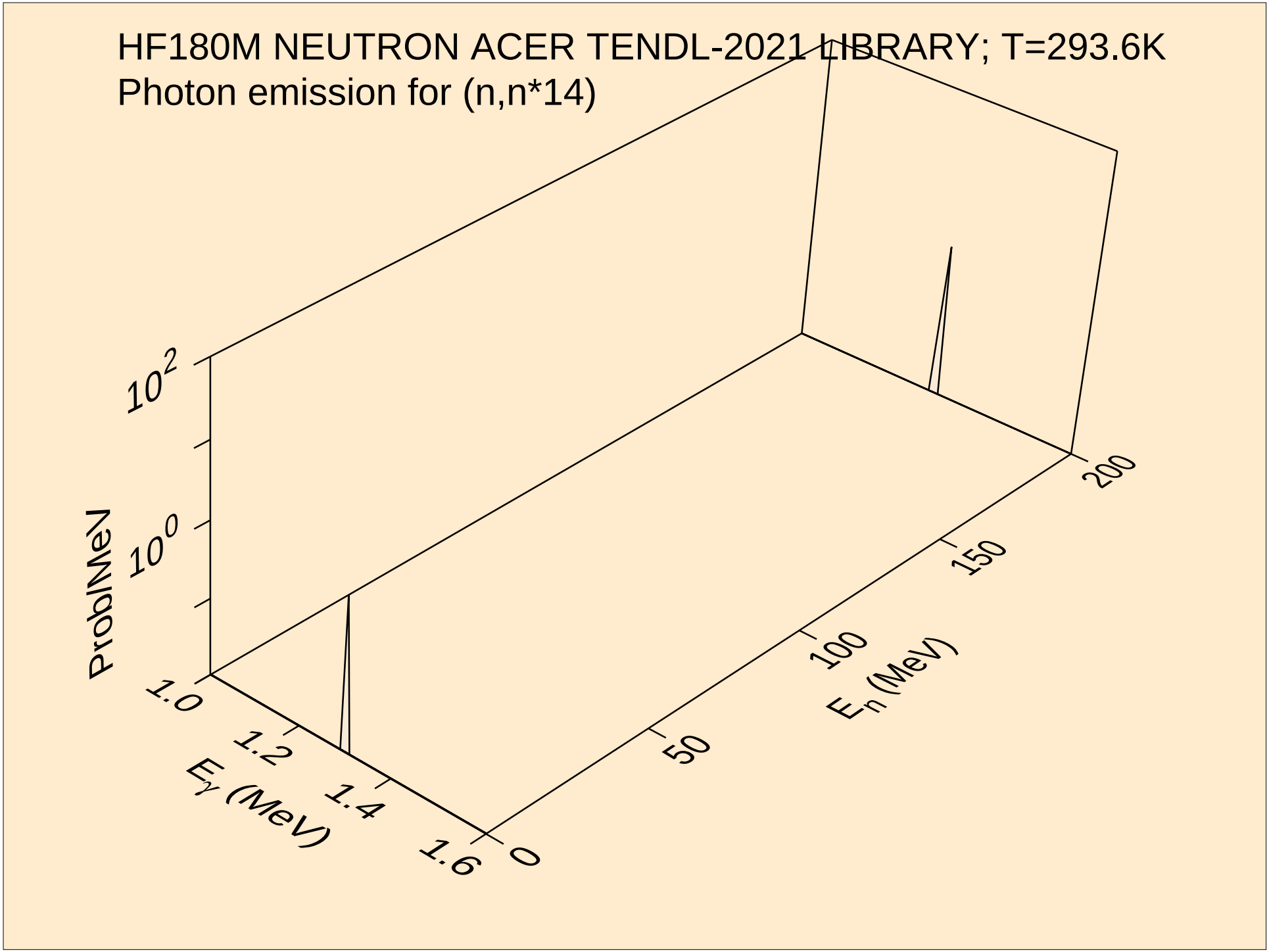

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*9)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
1
2
0
50
100
150
200
E_n (MeV)

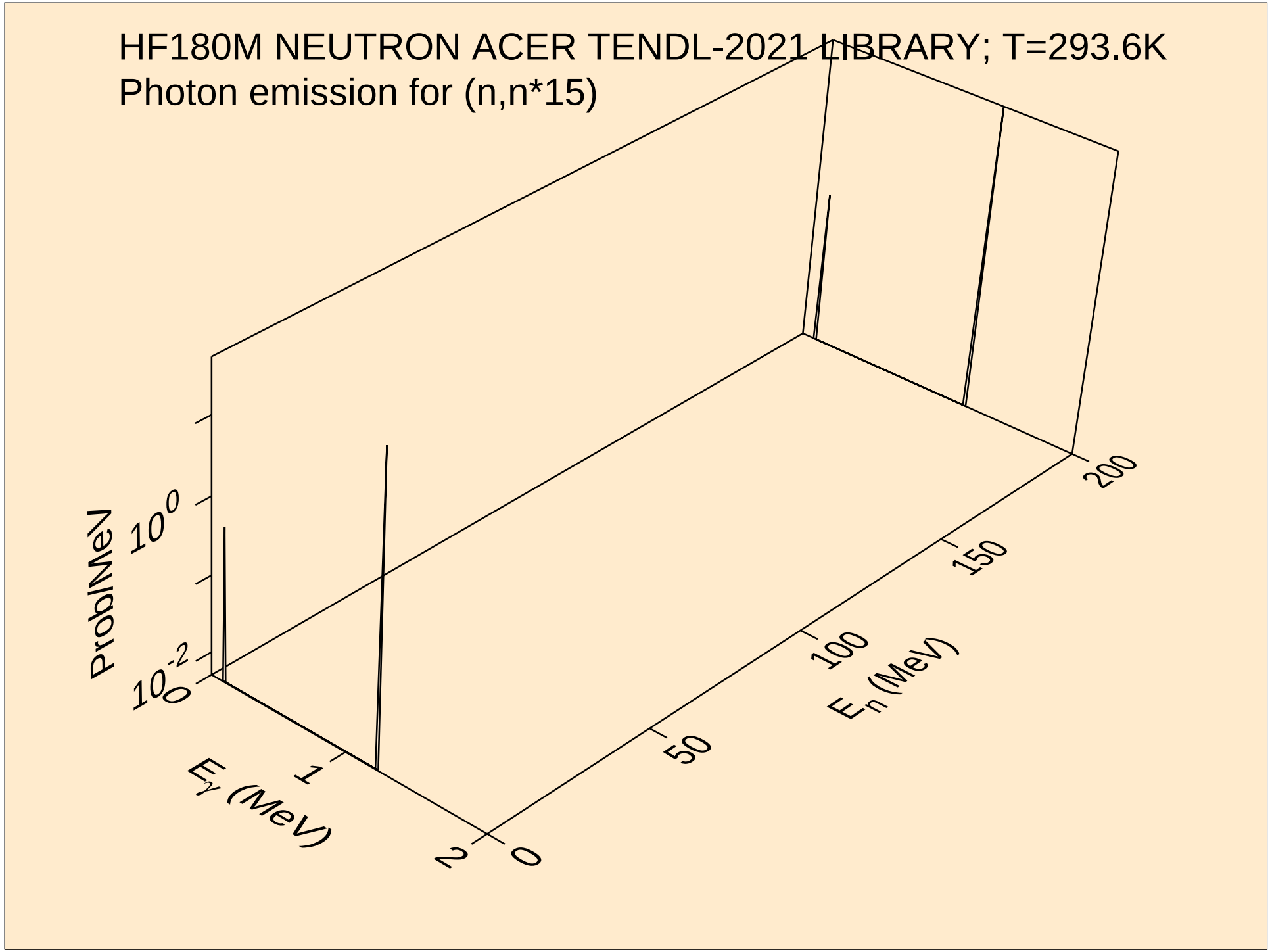

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*10)
Prob/MeV
10^0
10^-2
0.0
0.5
1.0
Eγ (MeV)
0
50
100
150
200
En (MeV)

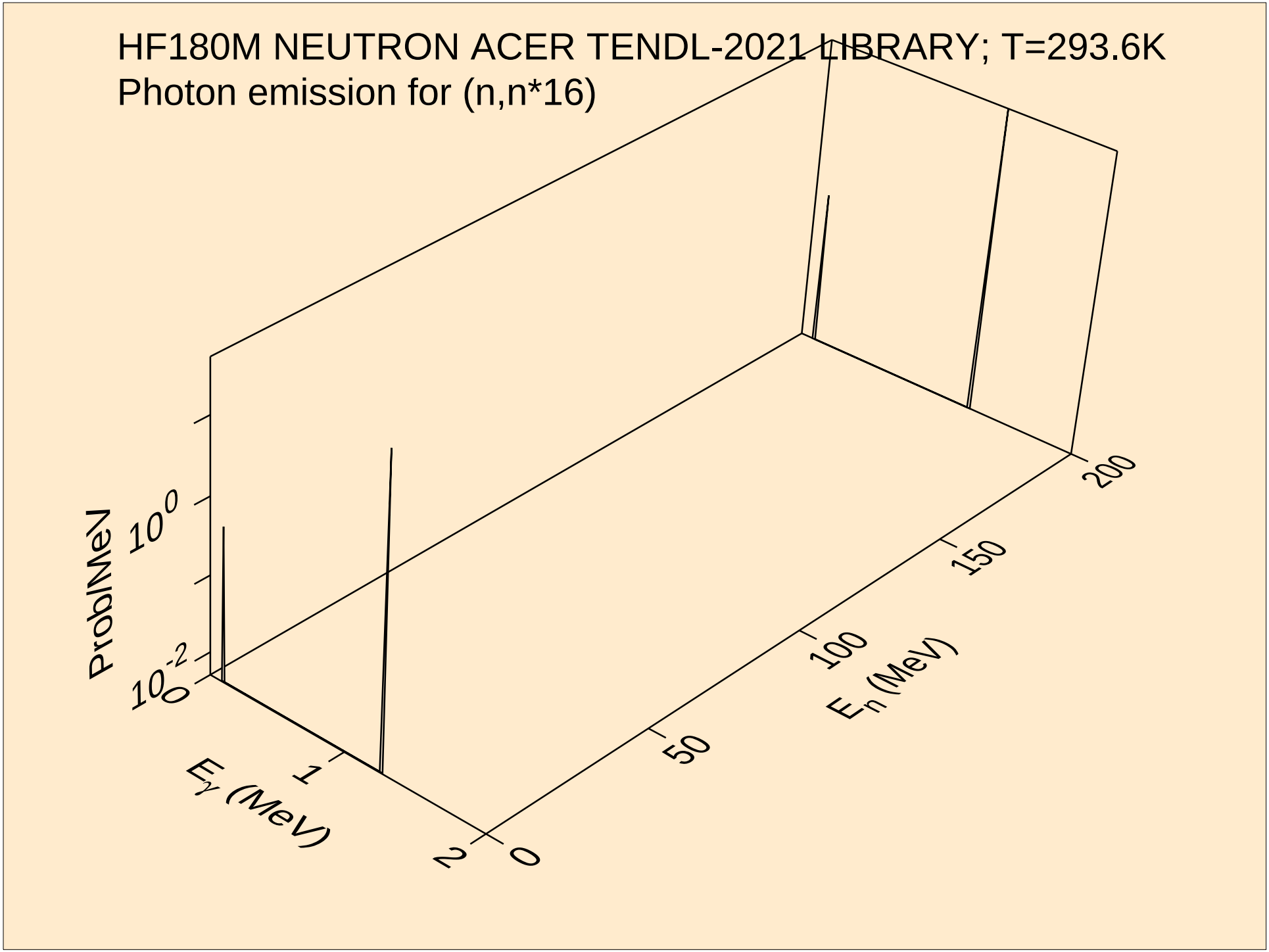

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*11)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

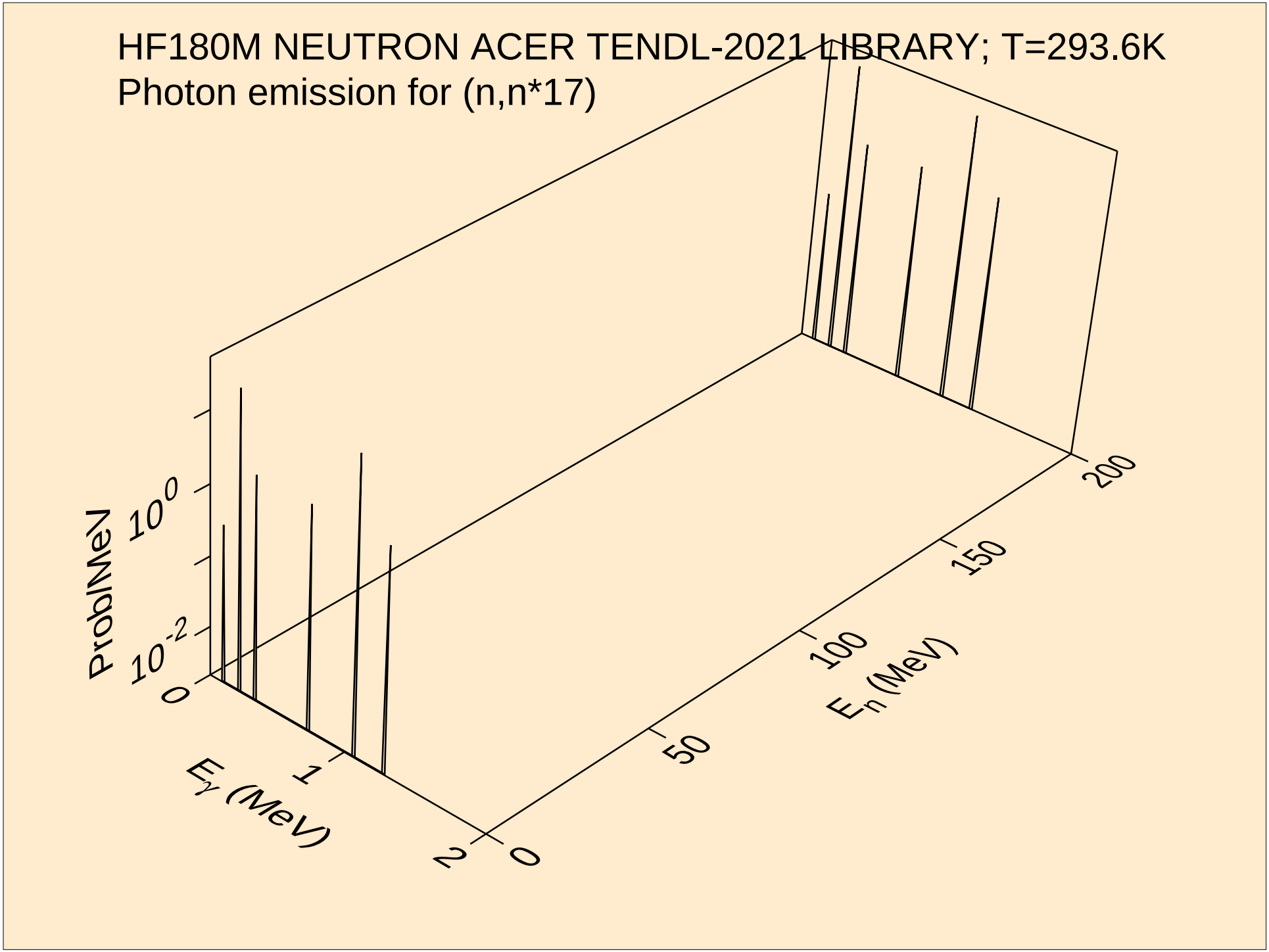

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*12)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
1
2
E_γ (MeV)
50
100
150
200
E_n (MeV)

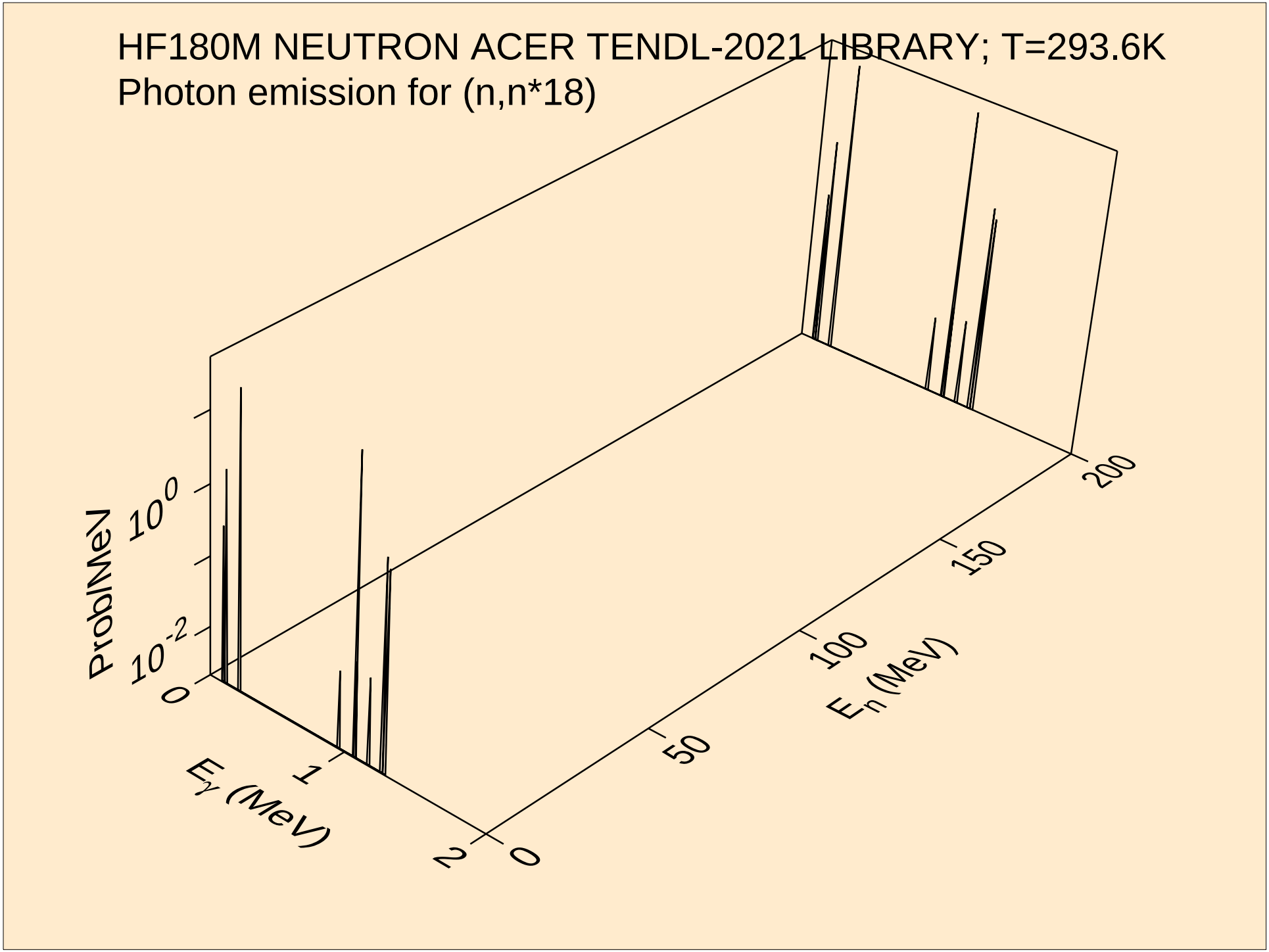

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*13)
Prob/MeV
10^0
10^-2
0
E_γ (MeV)
1
2
0
50
100
E_n (MeV)
150
200

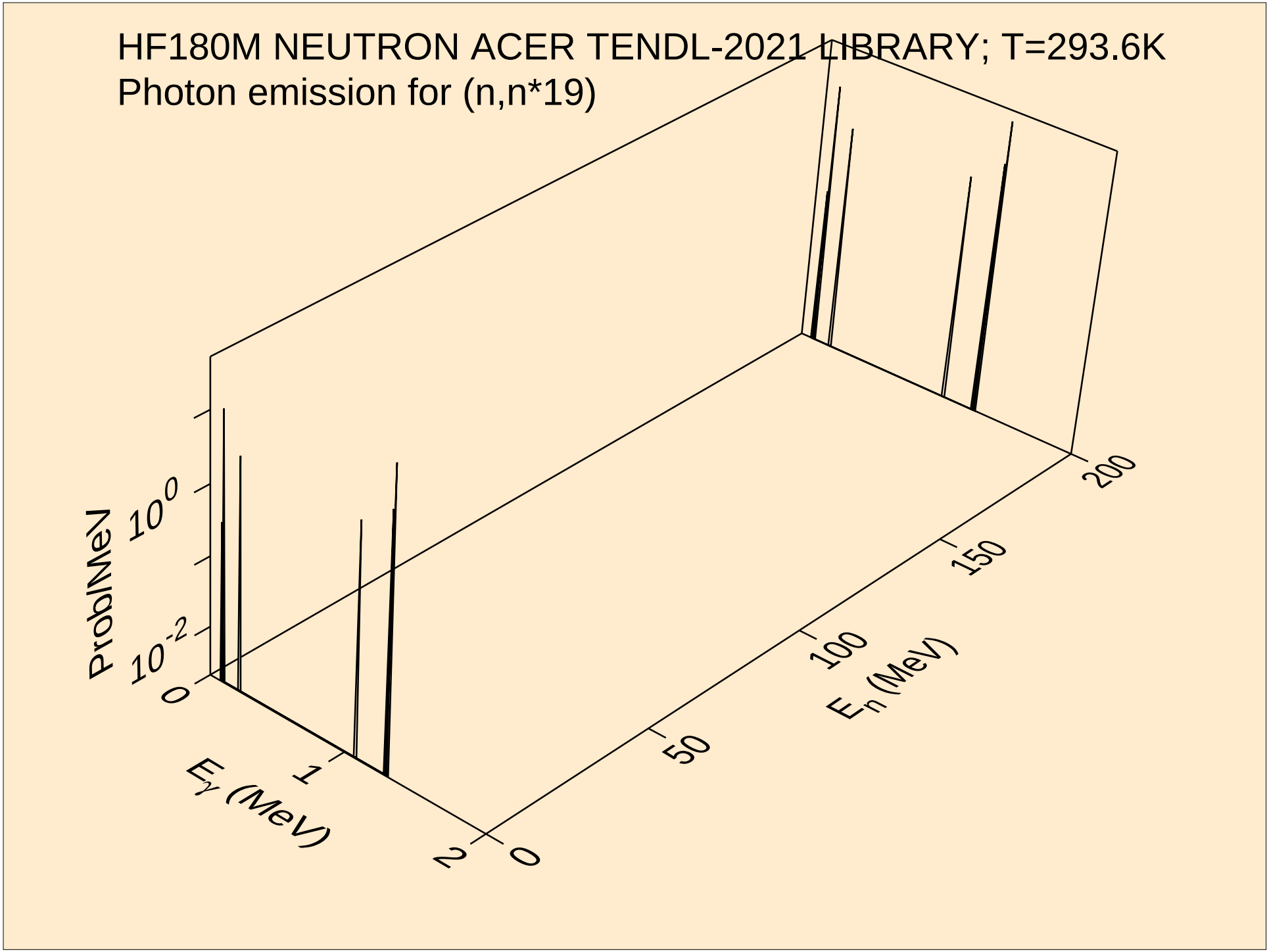

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*14)
Prob/MeV
10^2
10^0
1.0
1.2
1.4
1.6
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

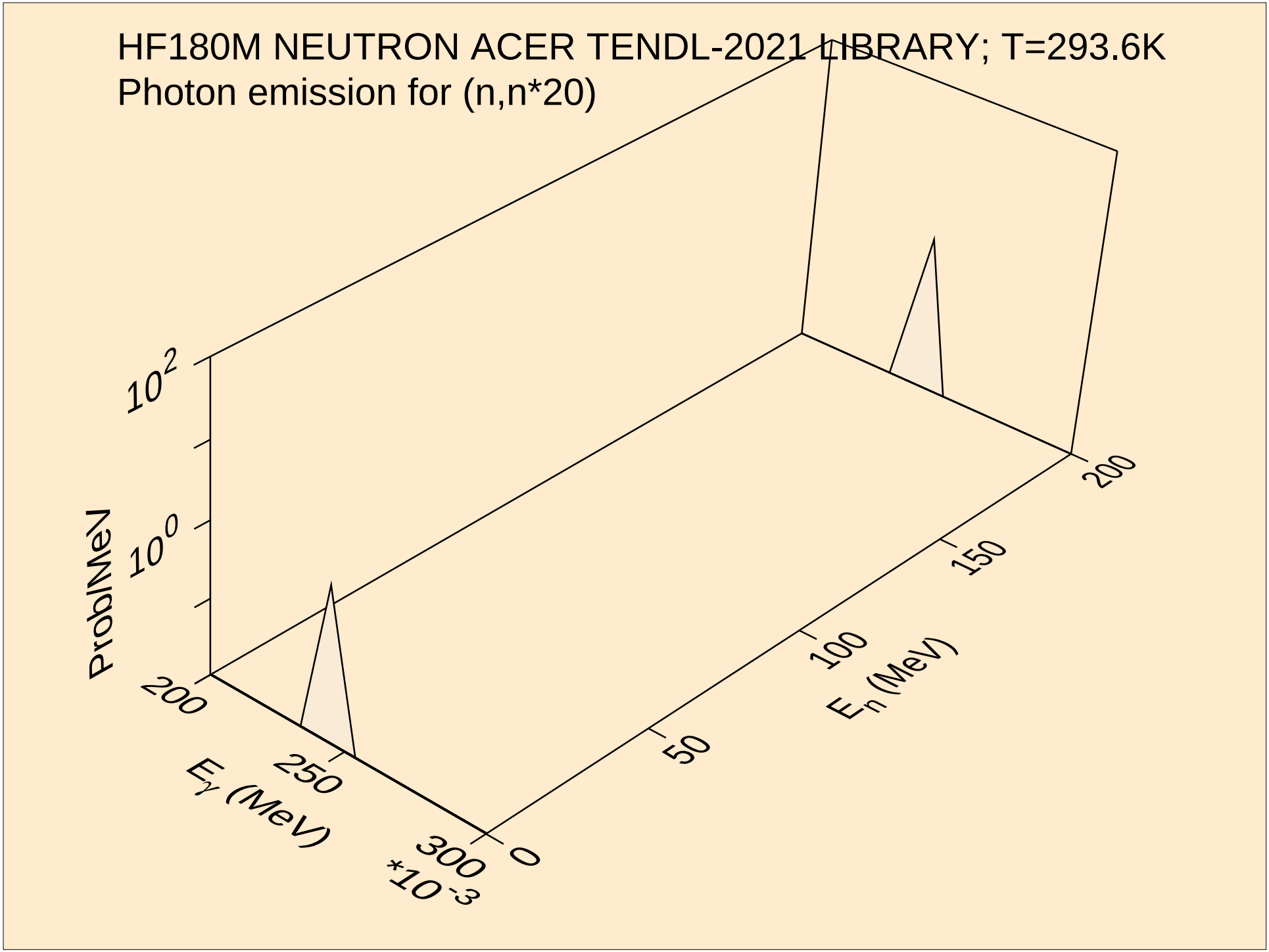

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*15)
Prob/MeV
10^{0}
10^{-2}
0
1
2
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

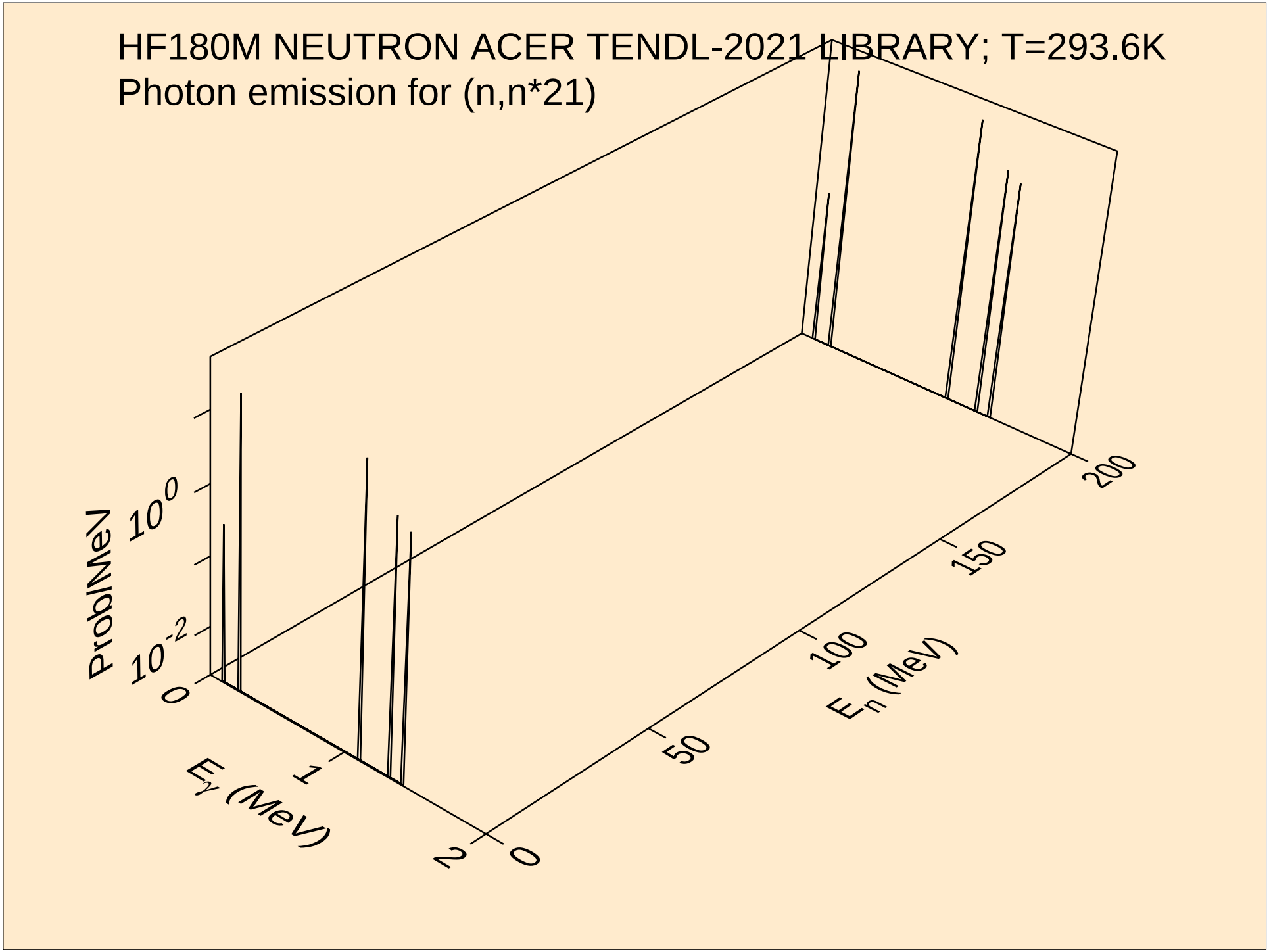

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*16)
Prob/MeV
10^{0}
10^{-2}
0
1
2
E_γ (MeV)
50
100
150
200
E_n (MeV)

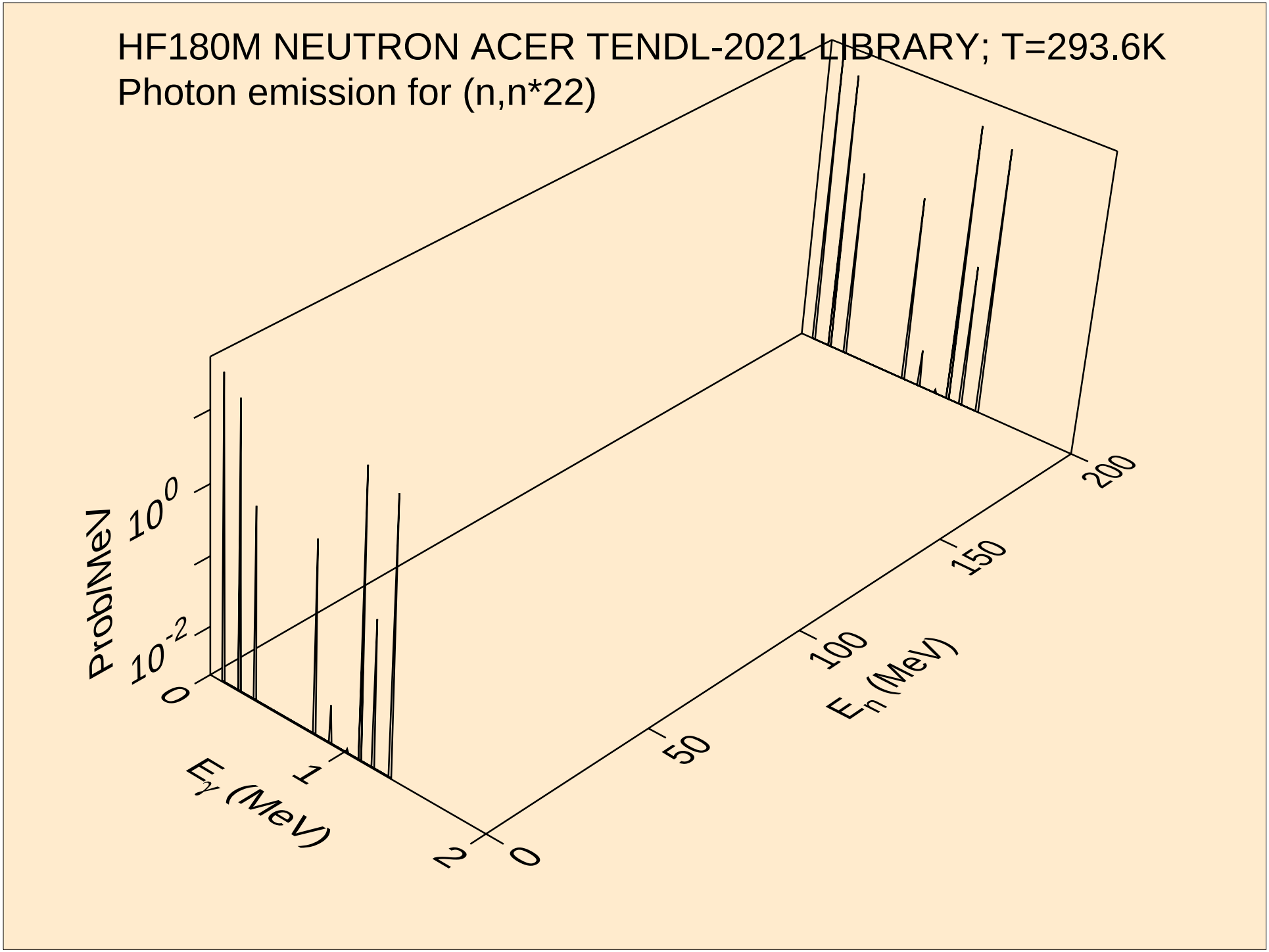

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*17)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

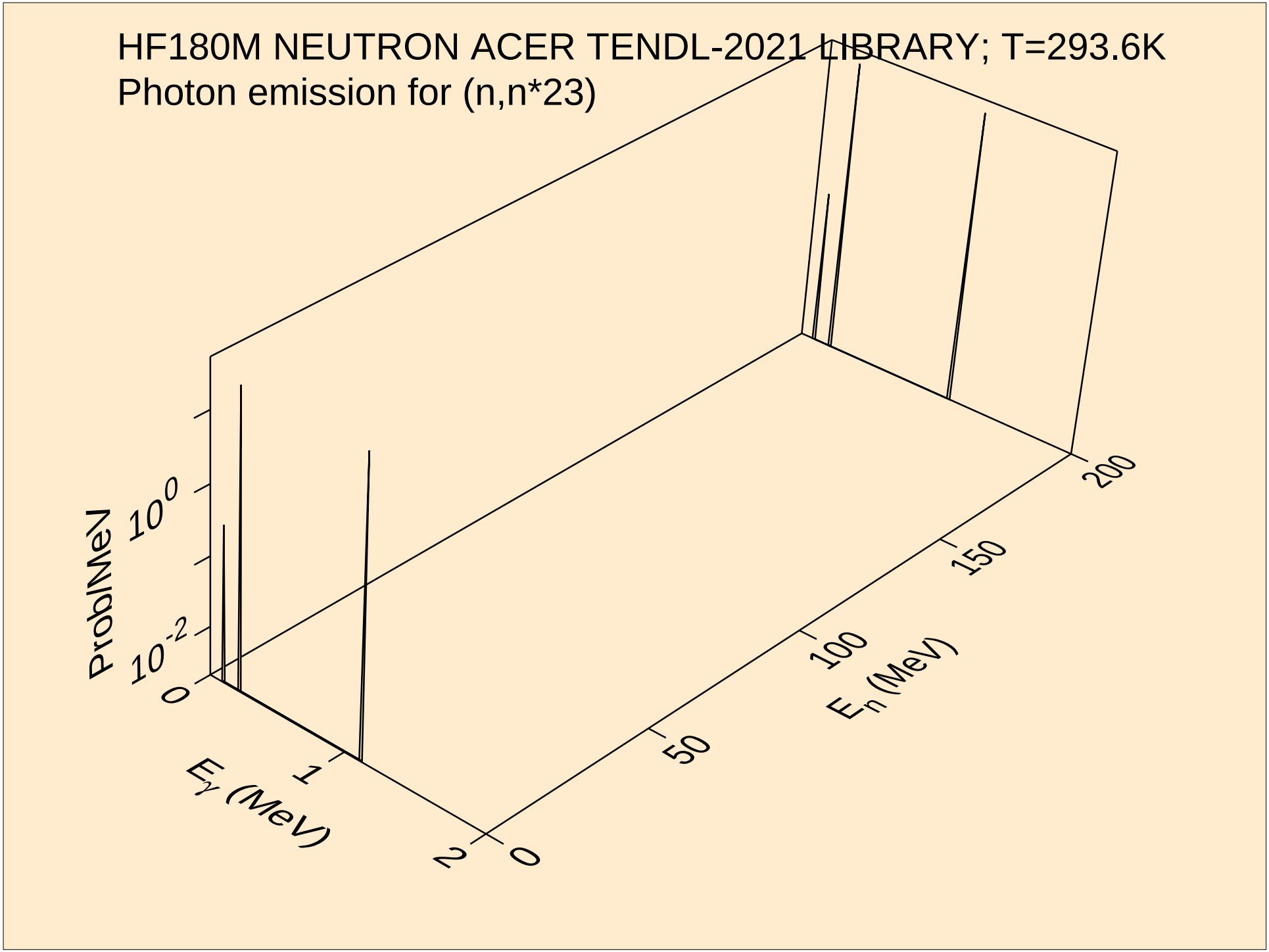

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*18)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

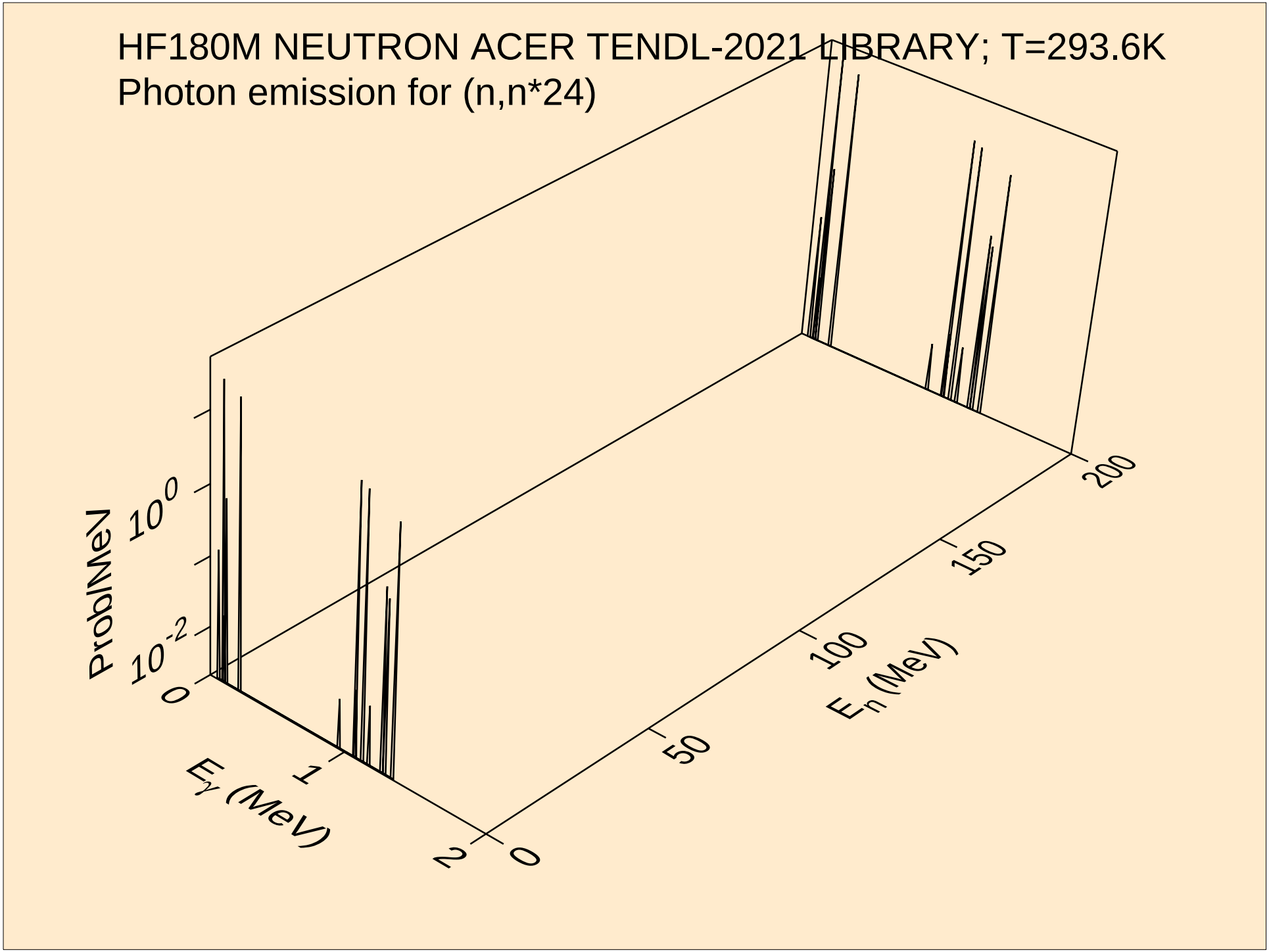

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*19)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

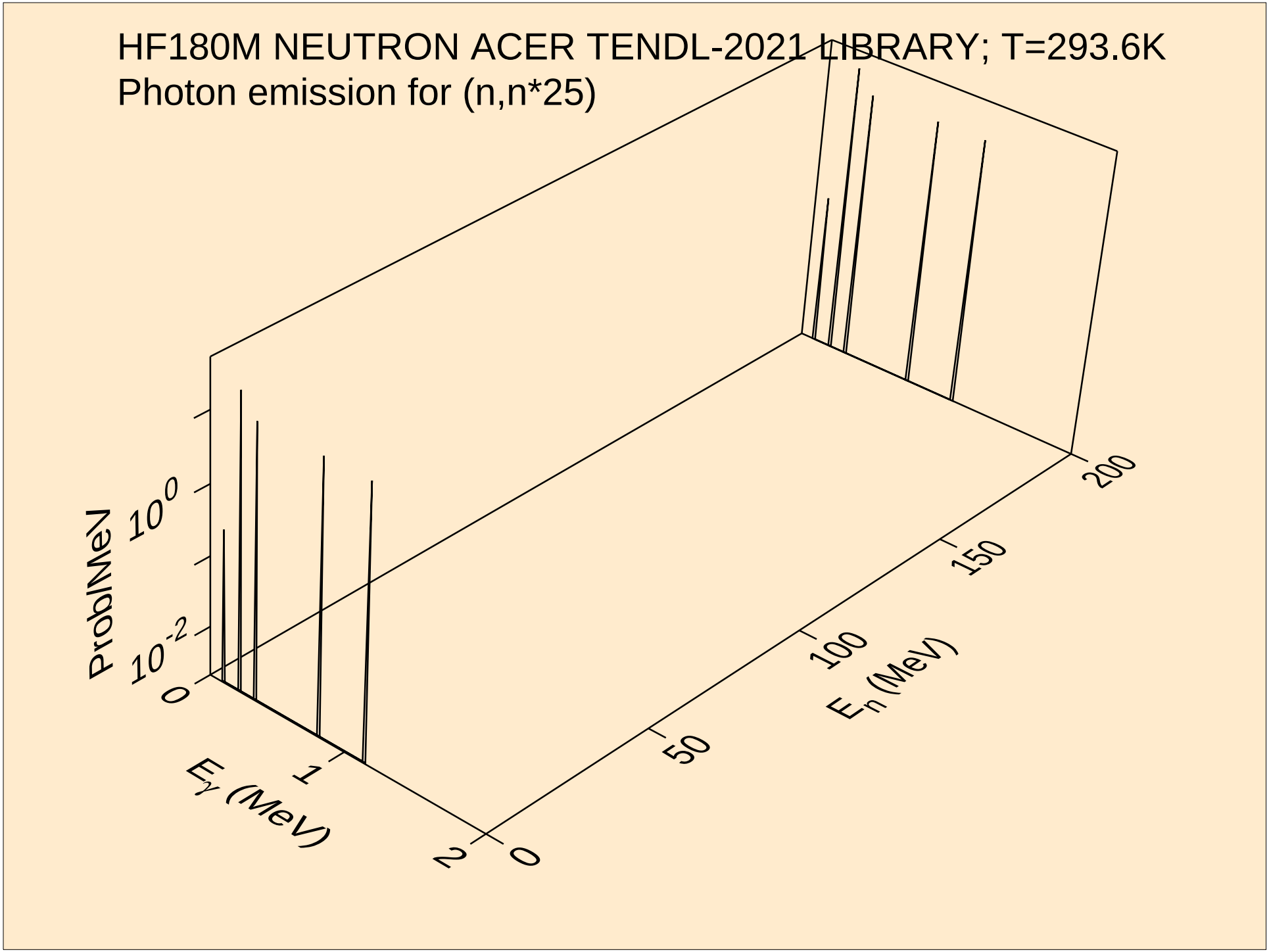

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*20)
Prob/MeV
10^2
10^0
200
250
300
E_γ (MeV)
*10 -3
0
50
100
150
200
E_n (MeV)

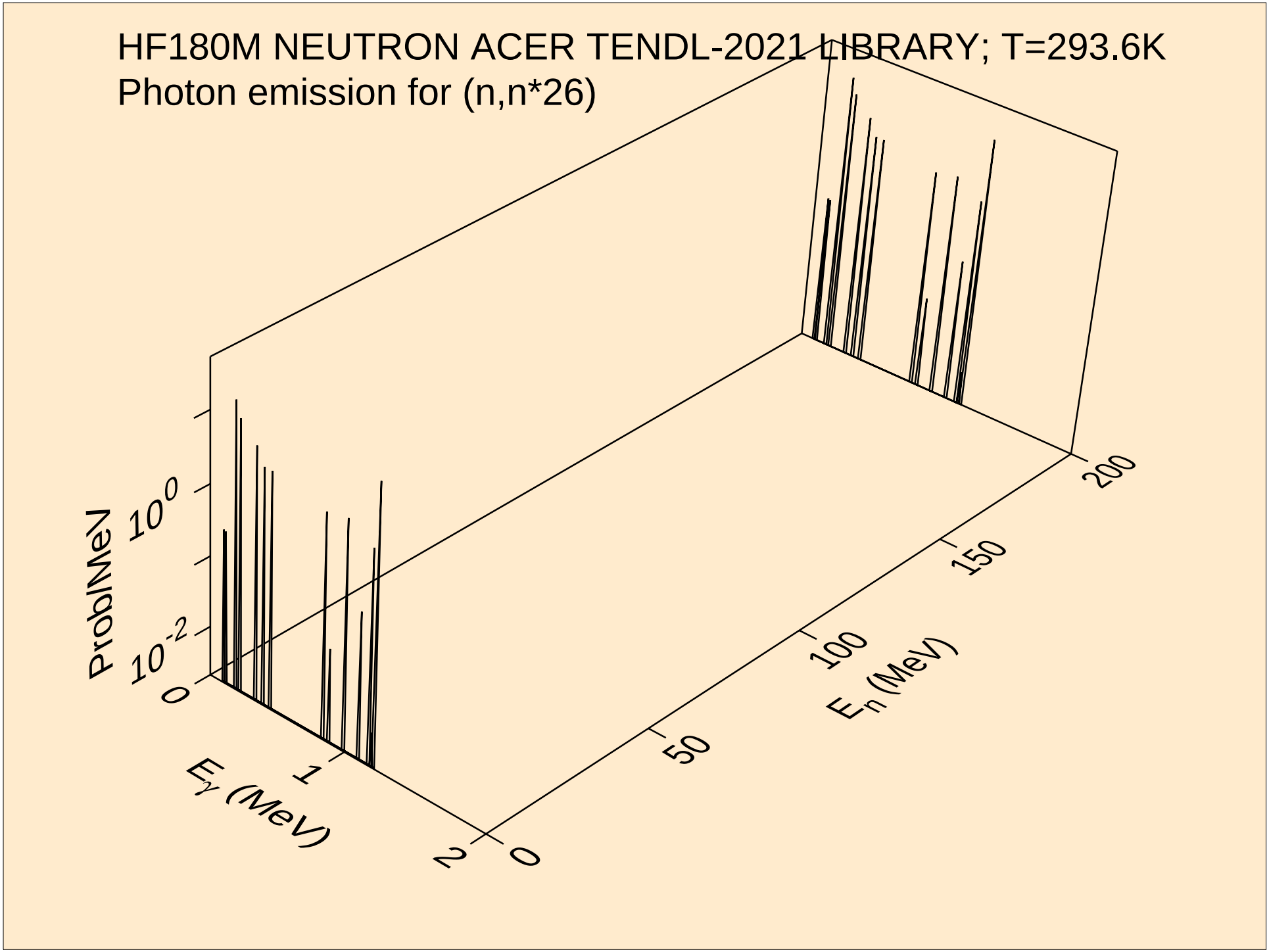

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*21)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

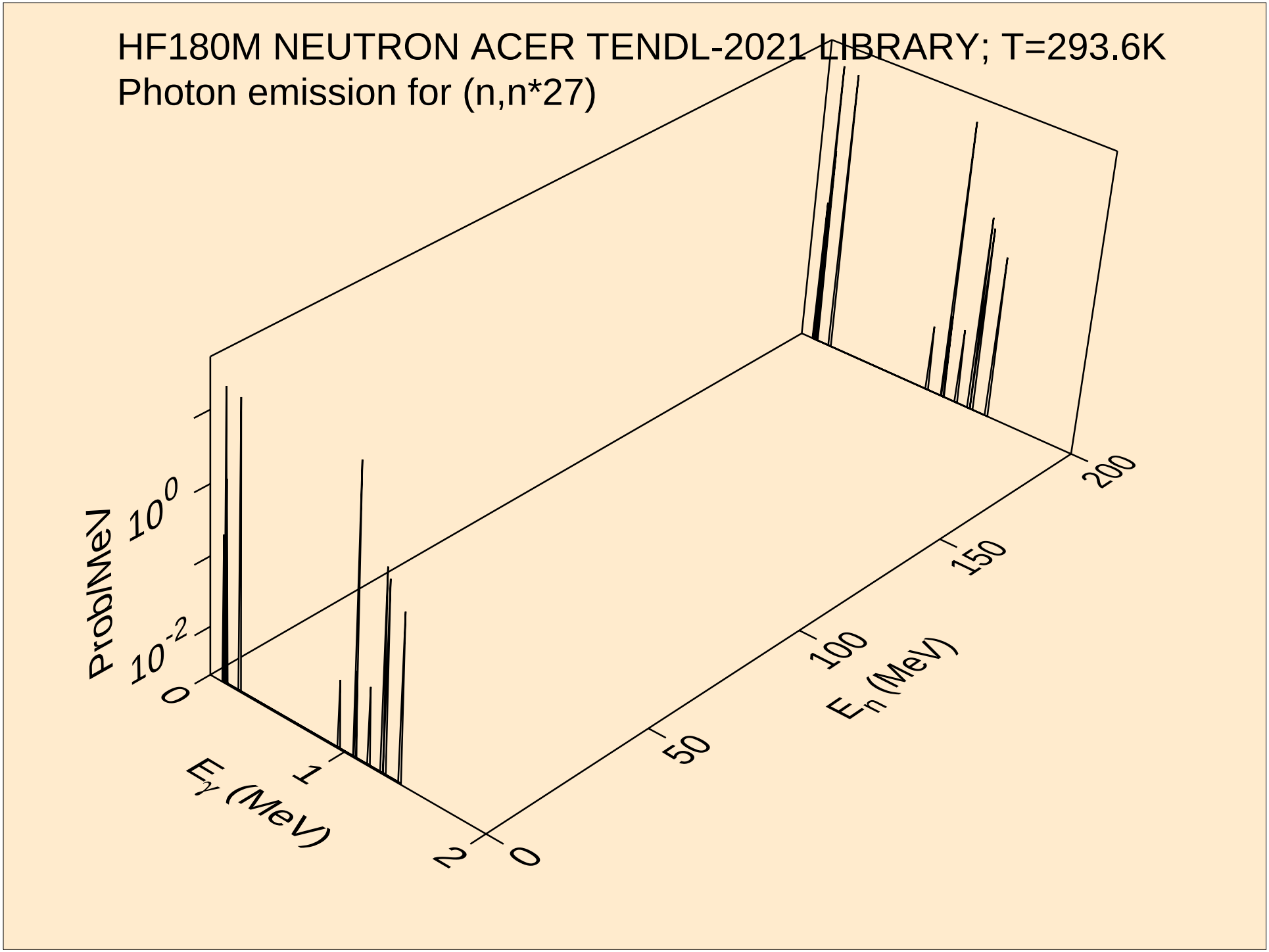

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*22)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

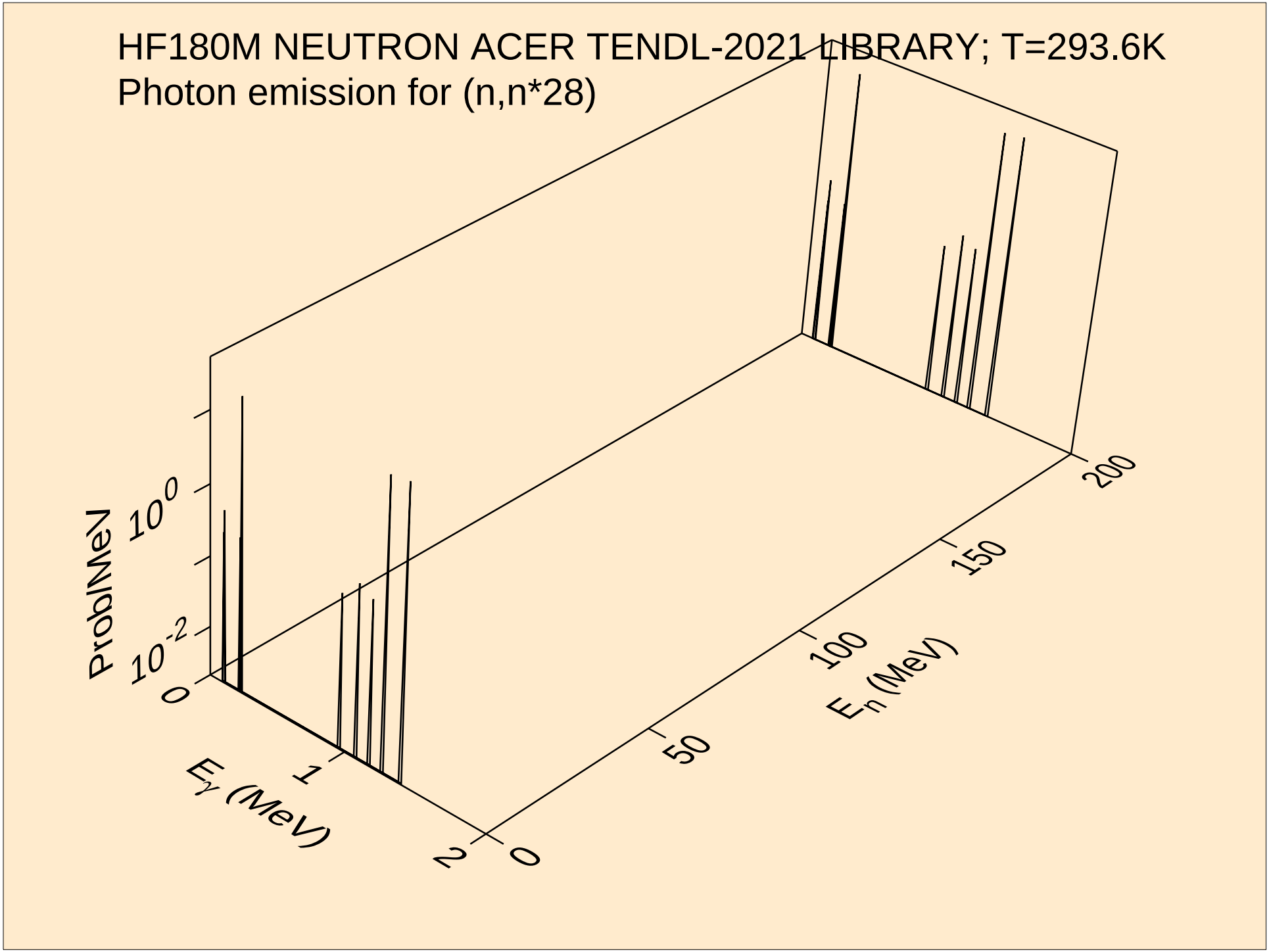

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*23)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
1
2
0
50
100
150
200
E_n (MeV)

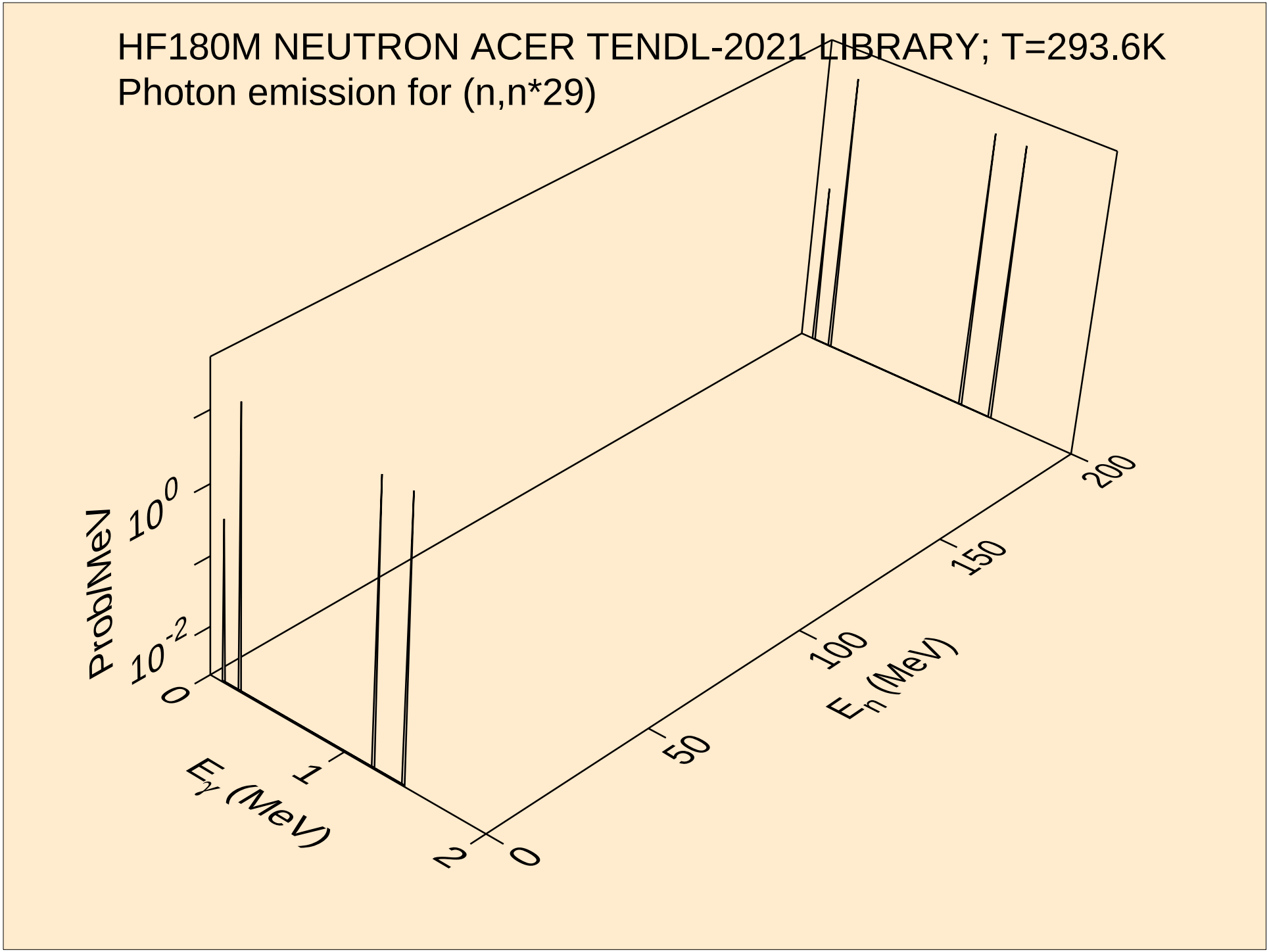

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*24)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

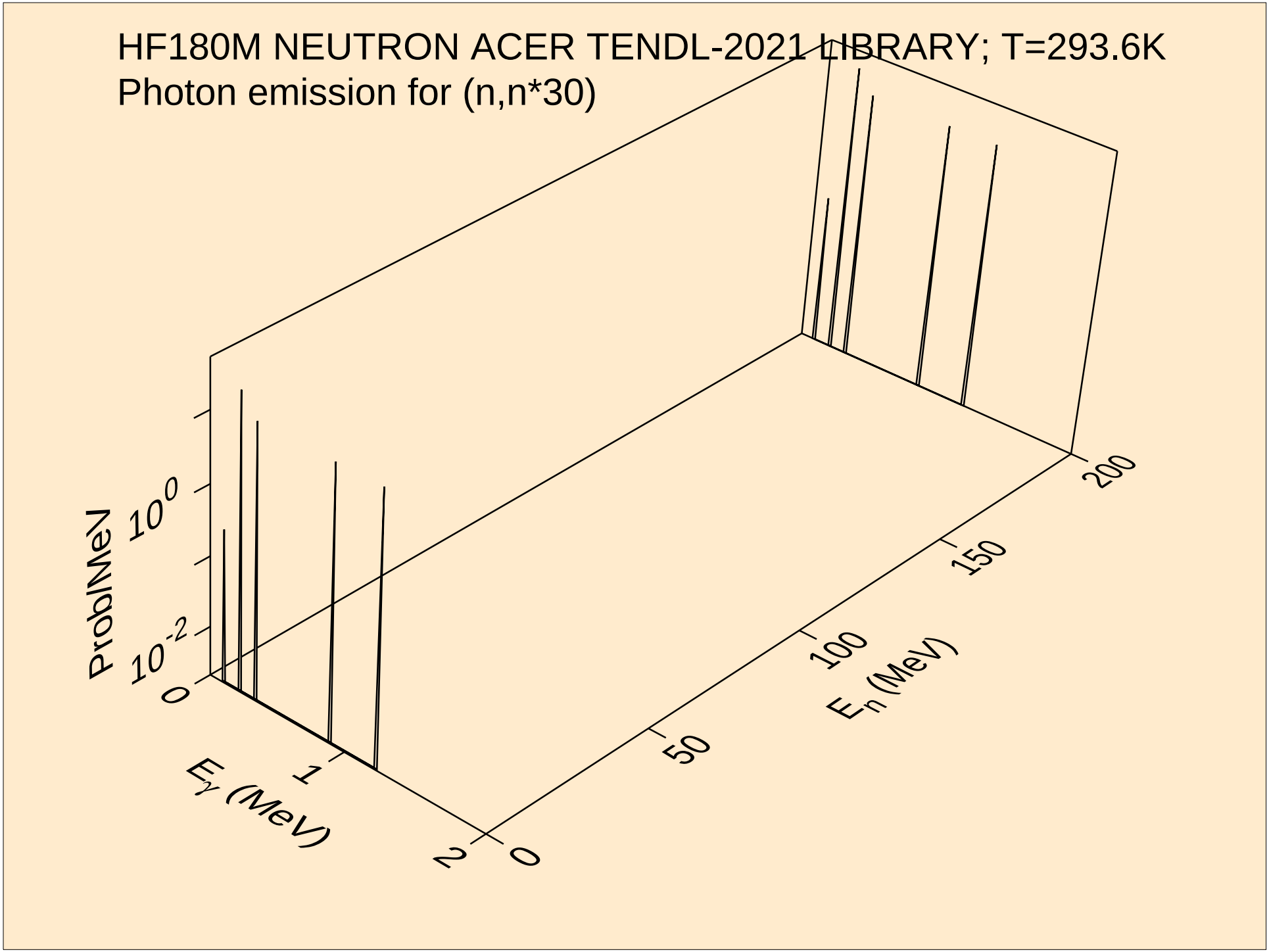

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*25)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
1
2
0
50
100
150
200
E_n (MeV)

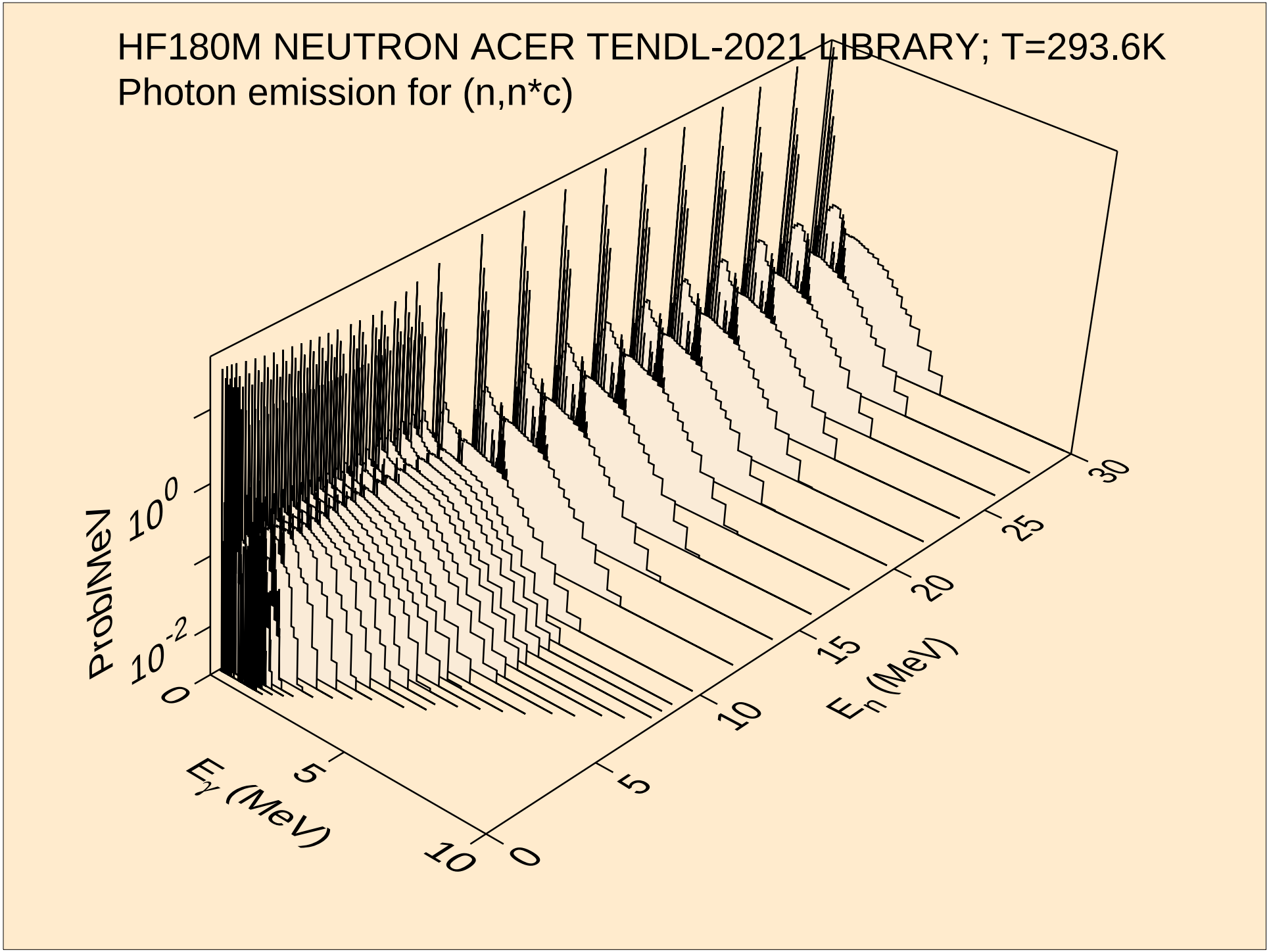

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*26)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

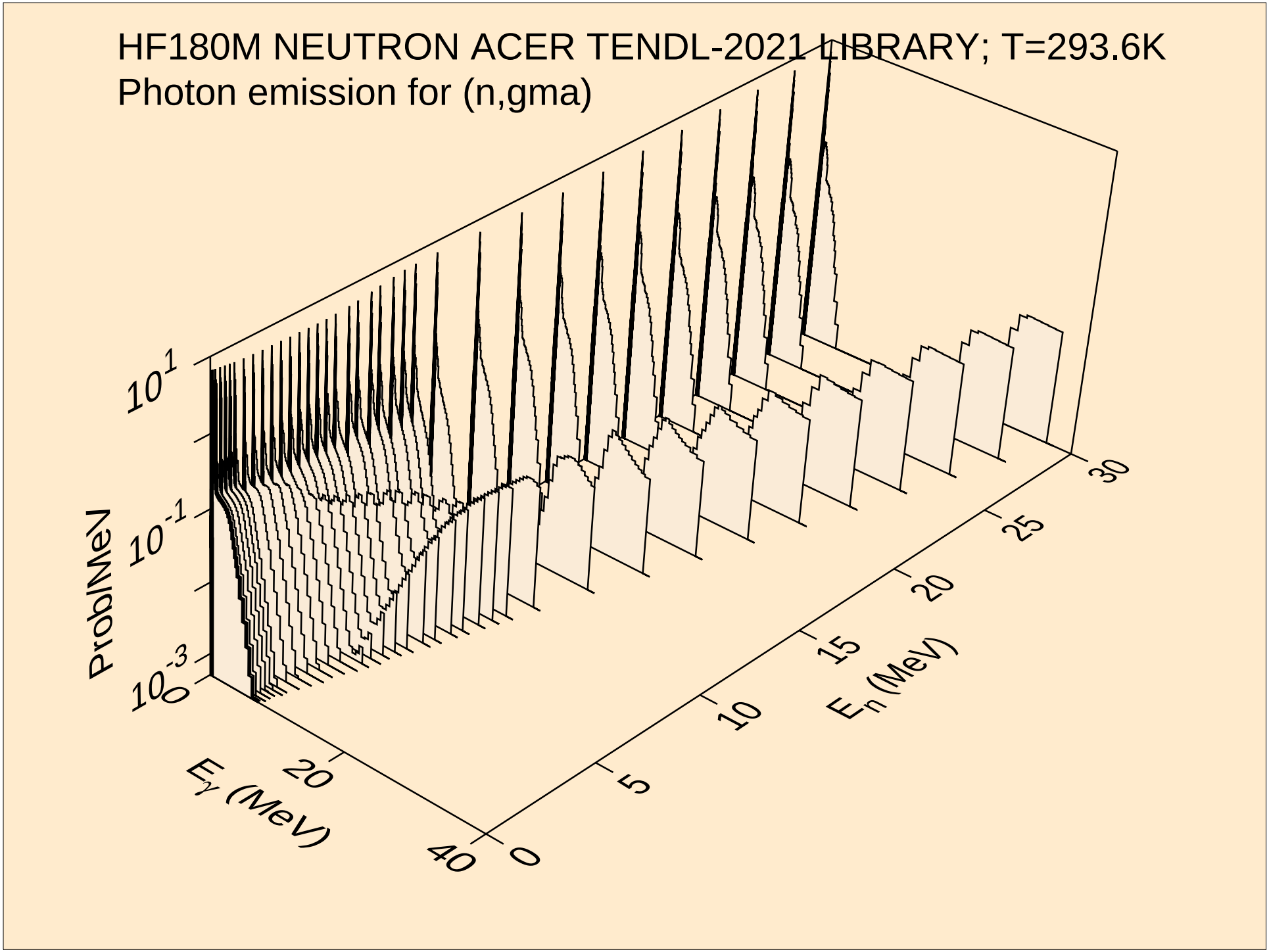

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*27)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

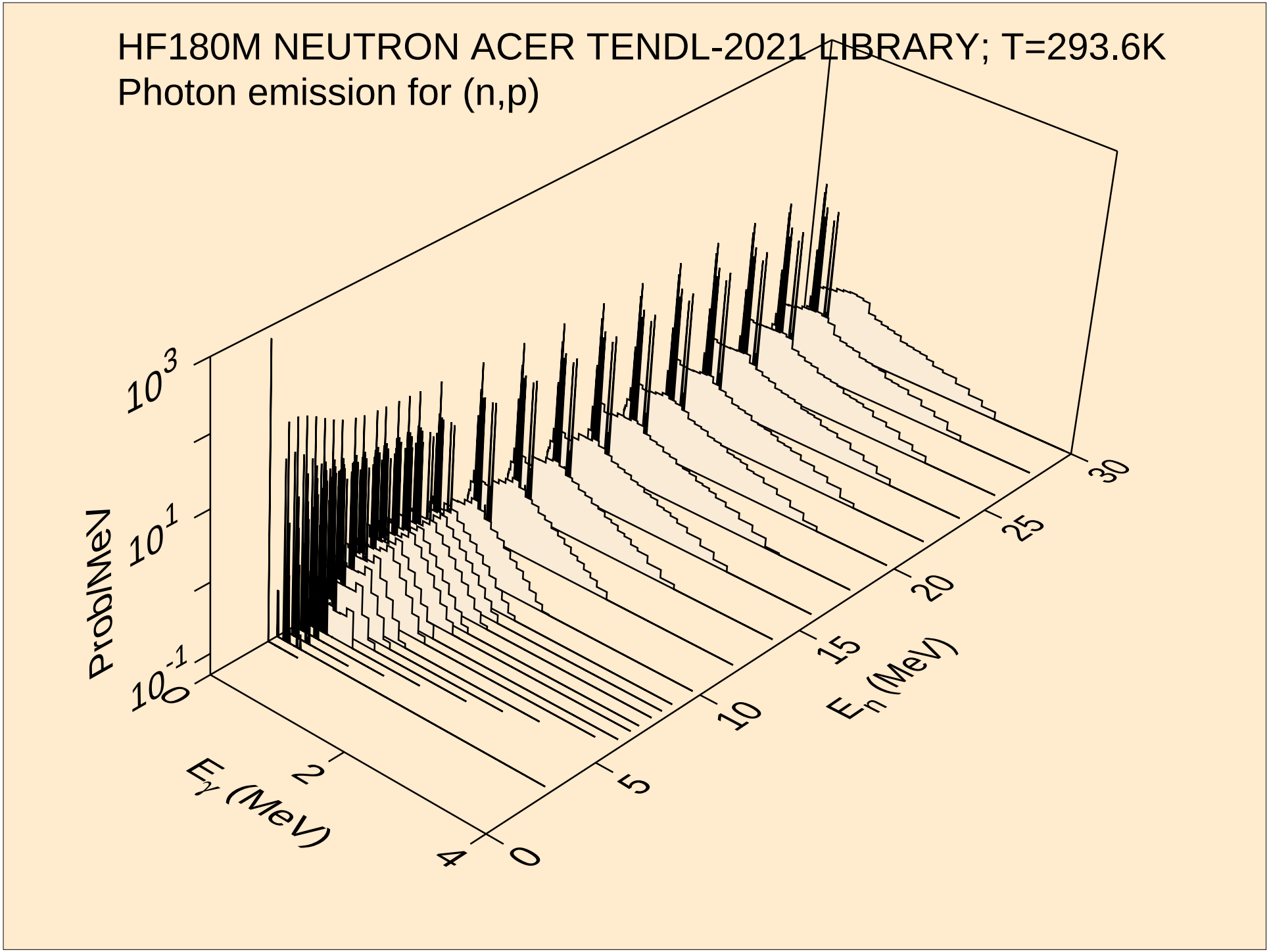

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*28)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

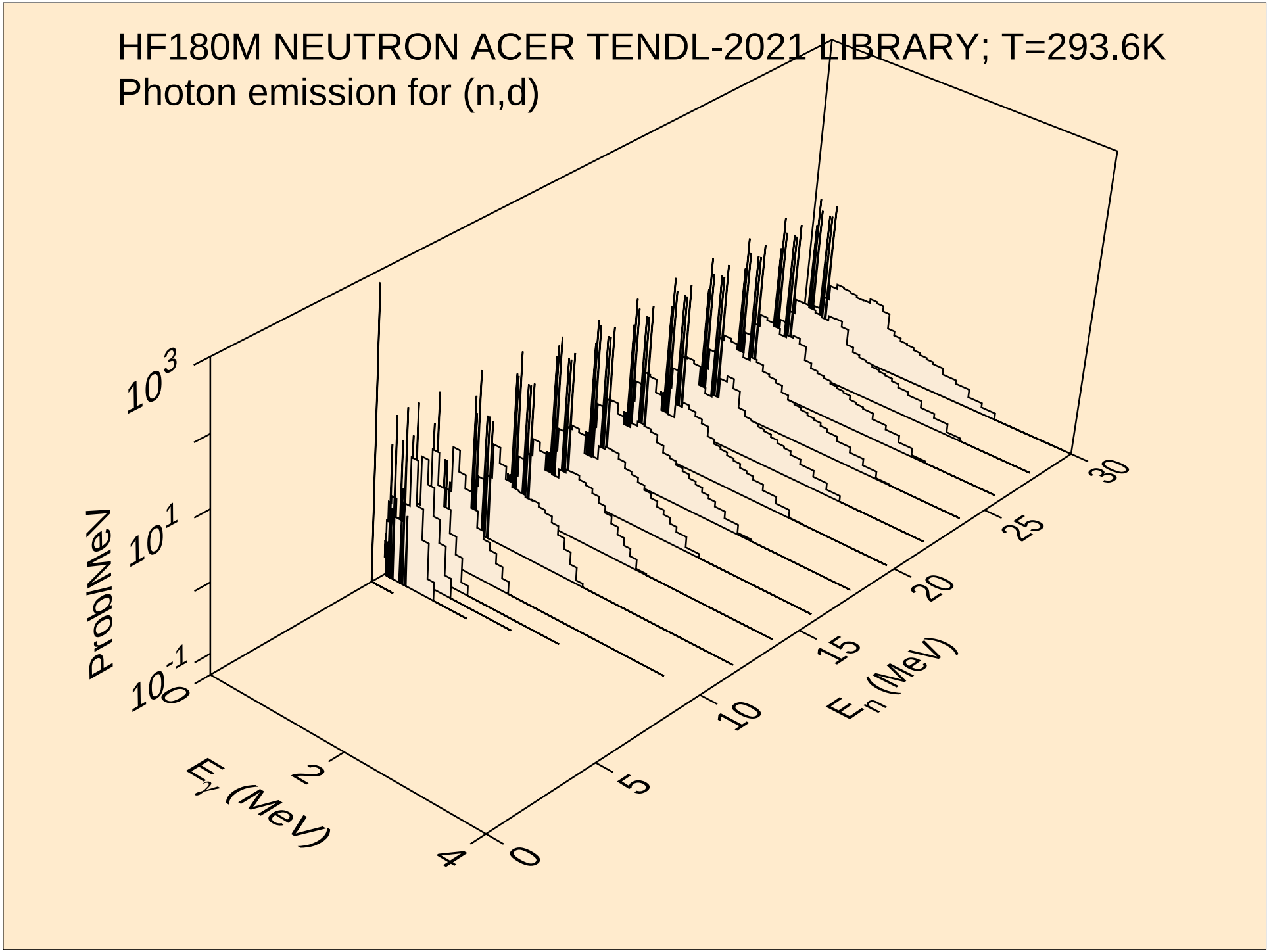

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*29)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
1
2
0
50
100
150
200
E_n (MeV)

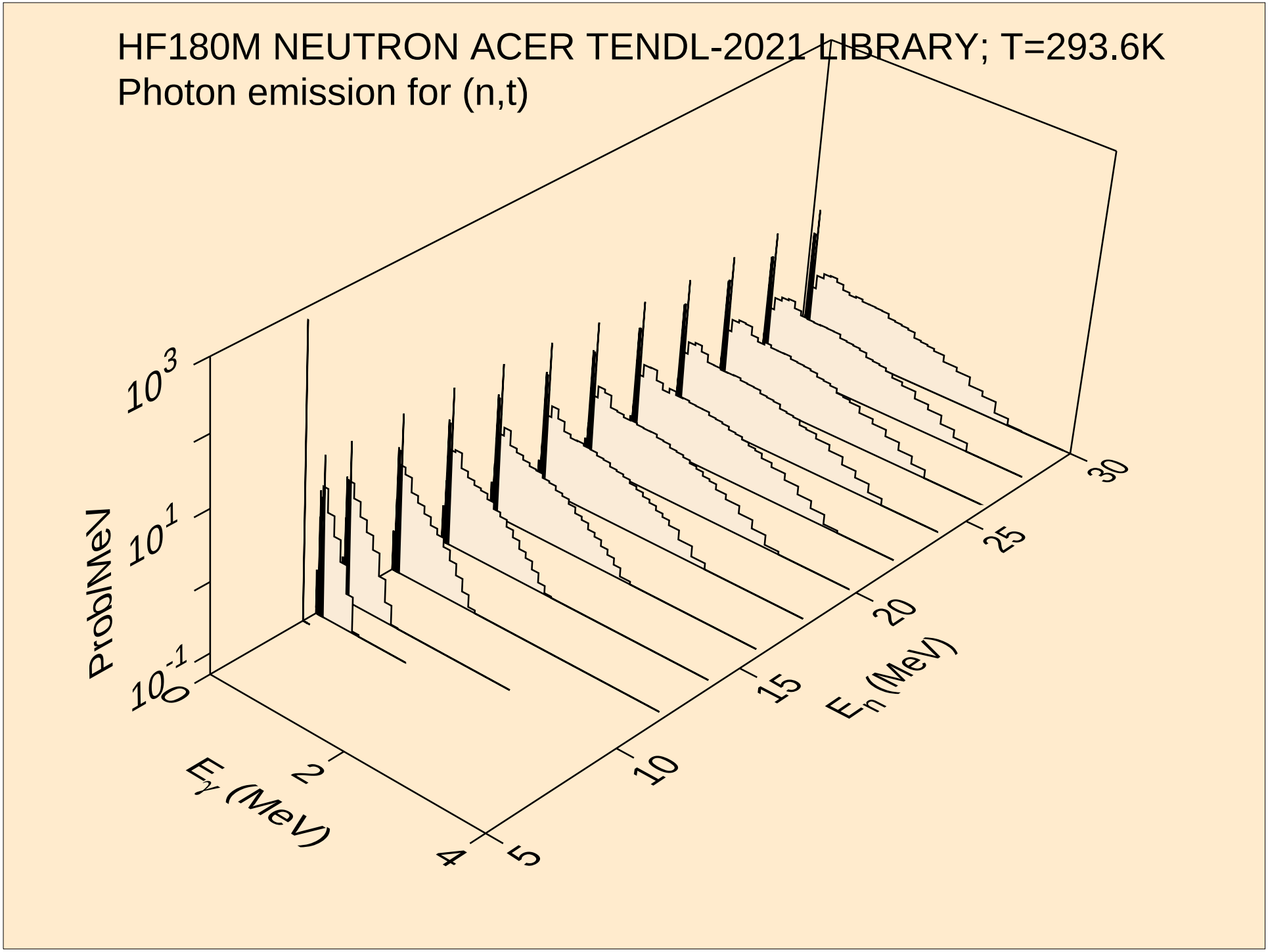

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*30)
Prob/MeV
10^0
10^-2
0
1
2
Eγ (MeV)
0
50
100
150
200
En (MeV)

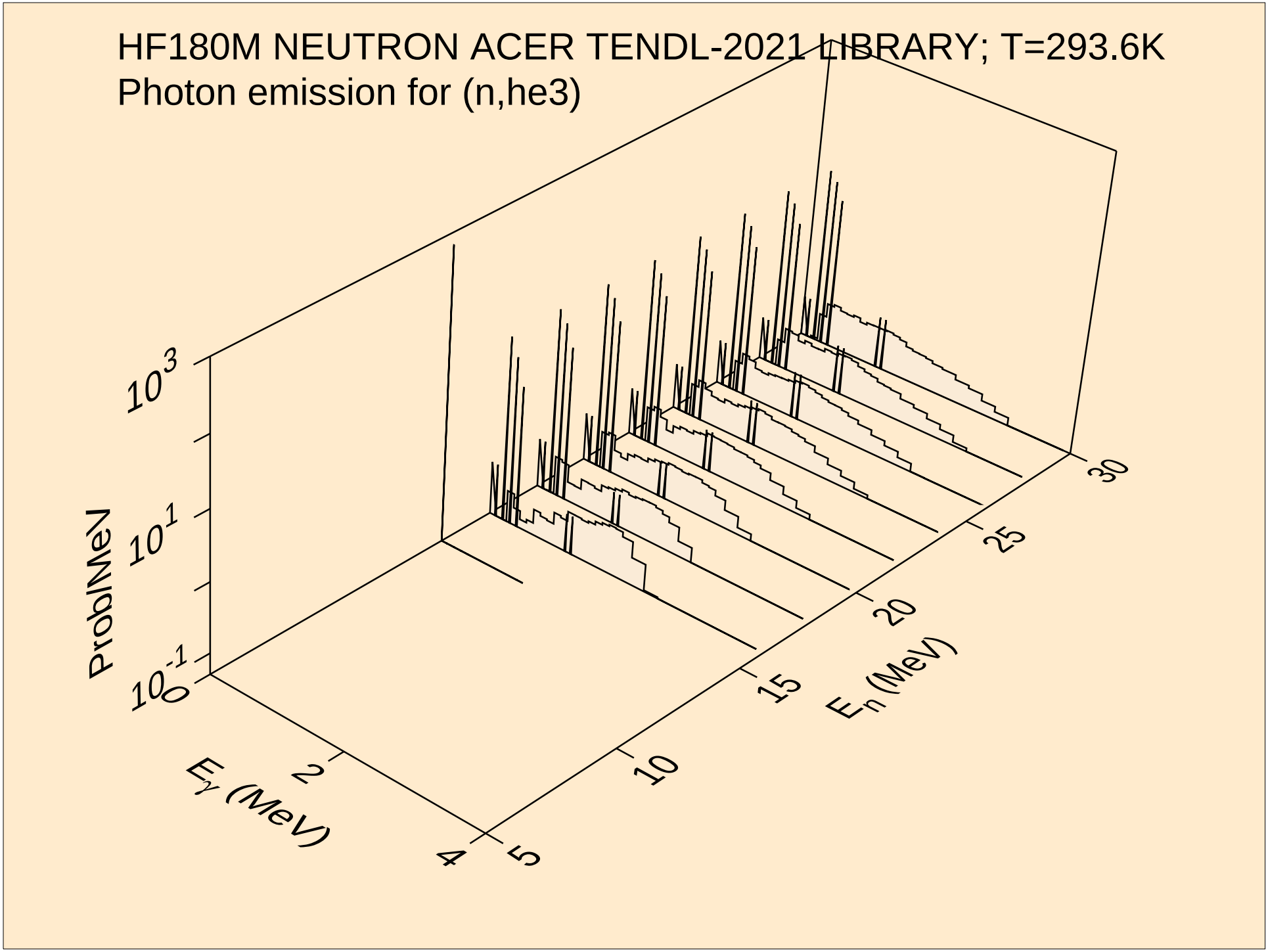

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*c)
Prob/MeV
10^0
10^-2
0
5
10
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

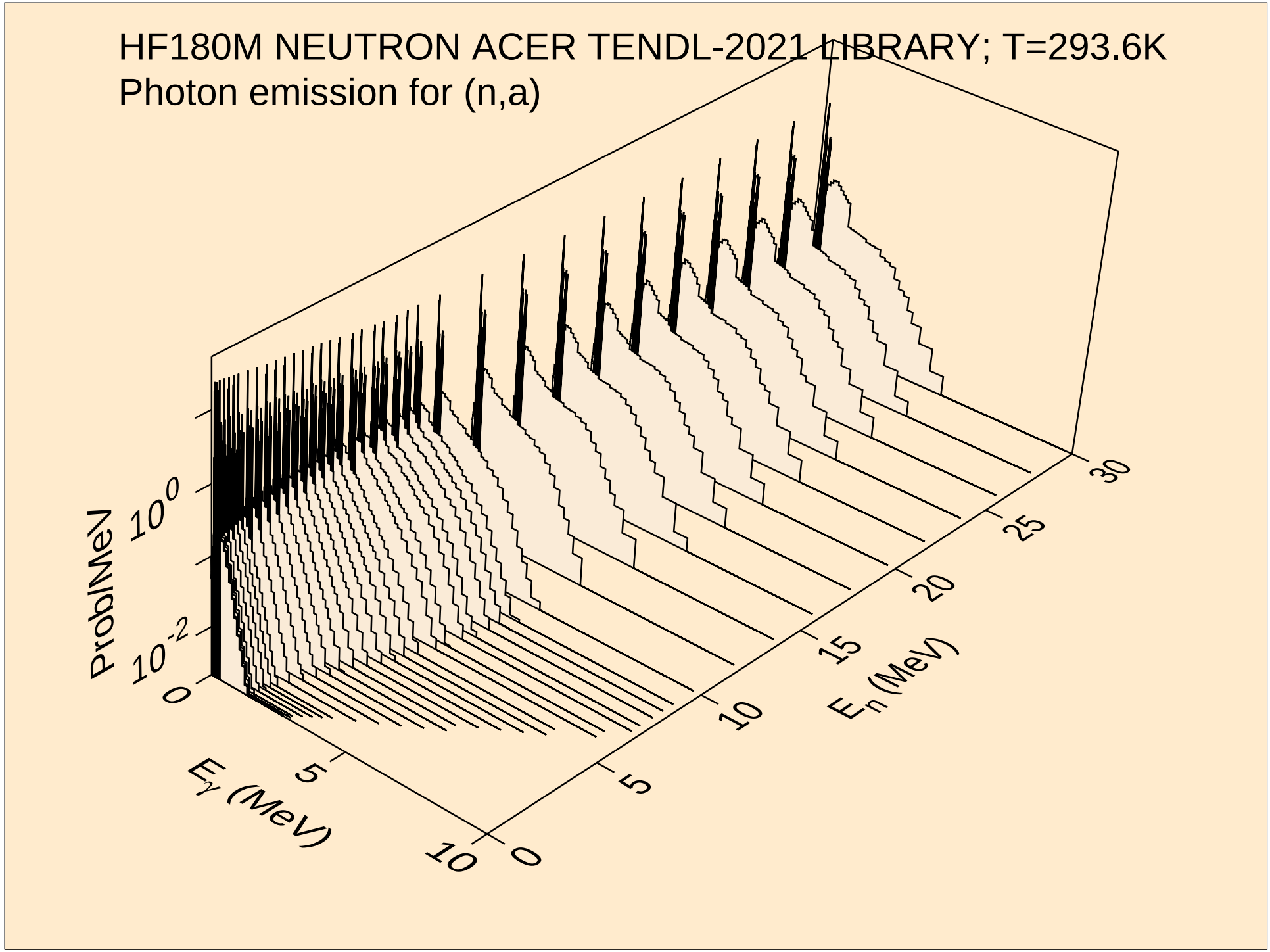

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,gma)
Prob/MeV
10^{1}
10^{-1}
10^{-3}
0
20
40
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

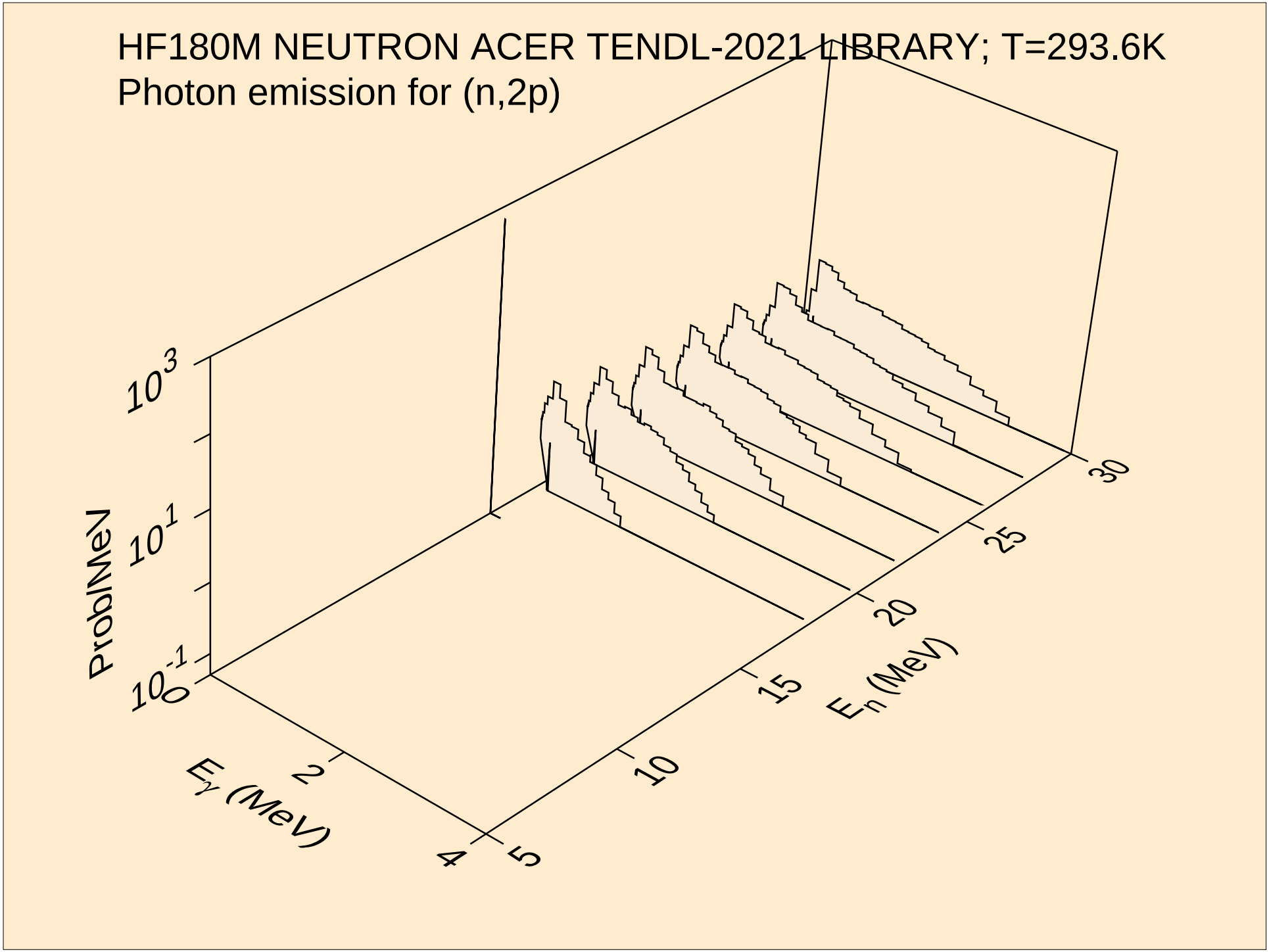

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,p)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

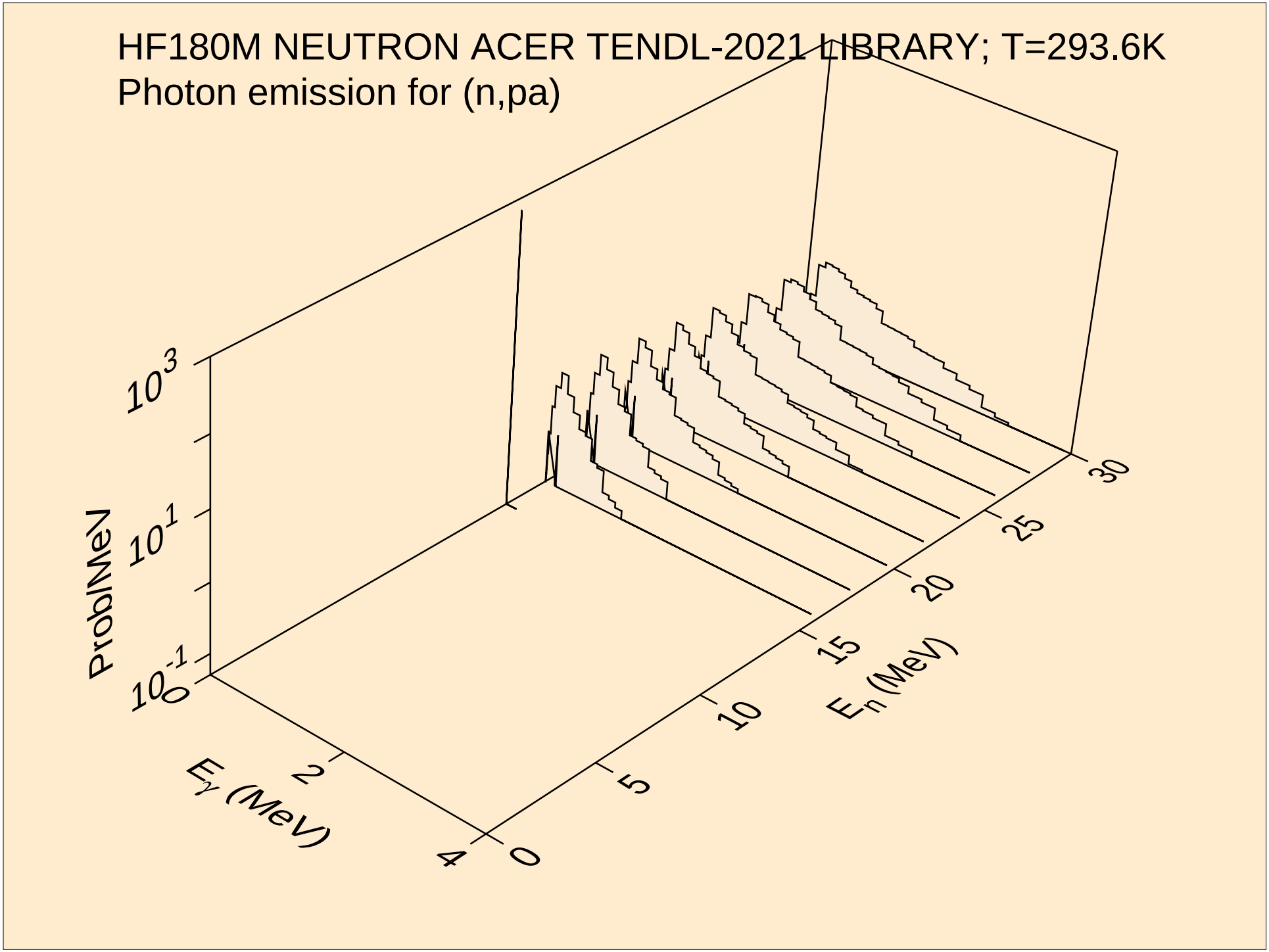

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,d)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

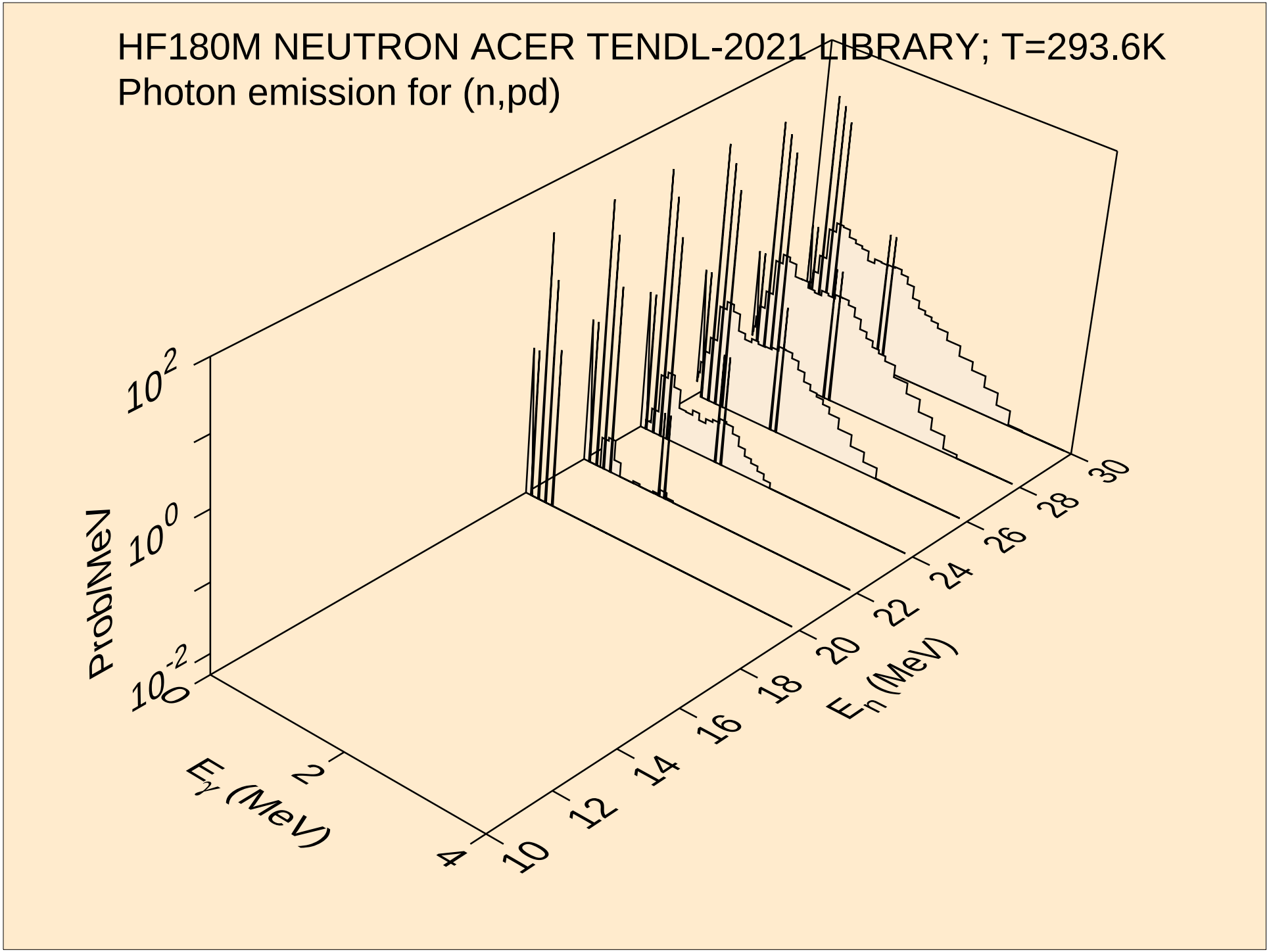

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,t)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

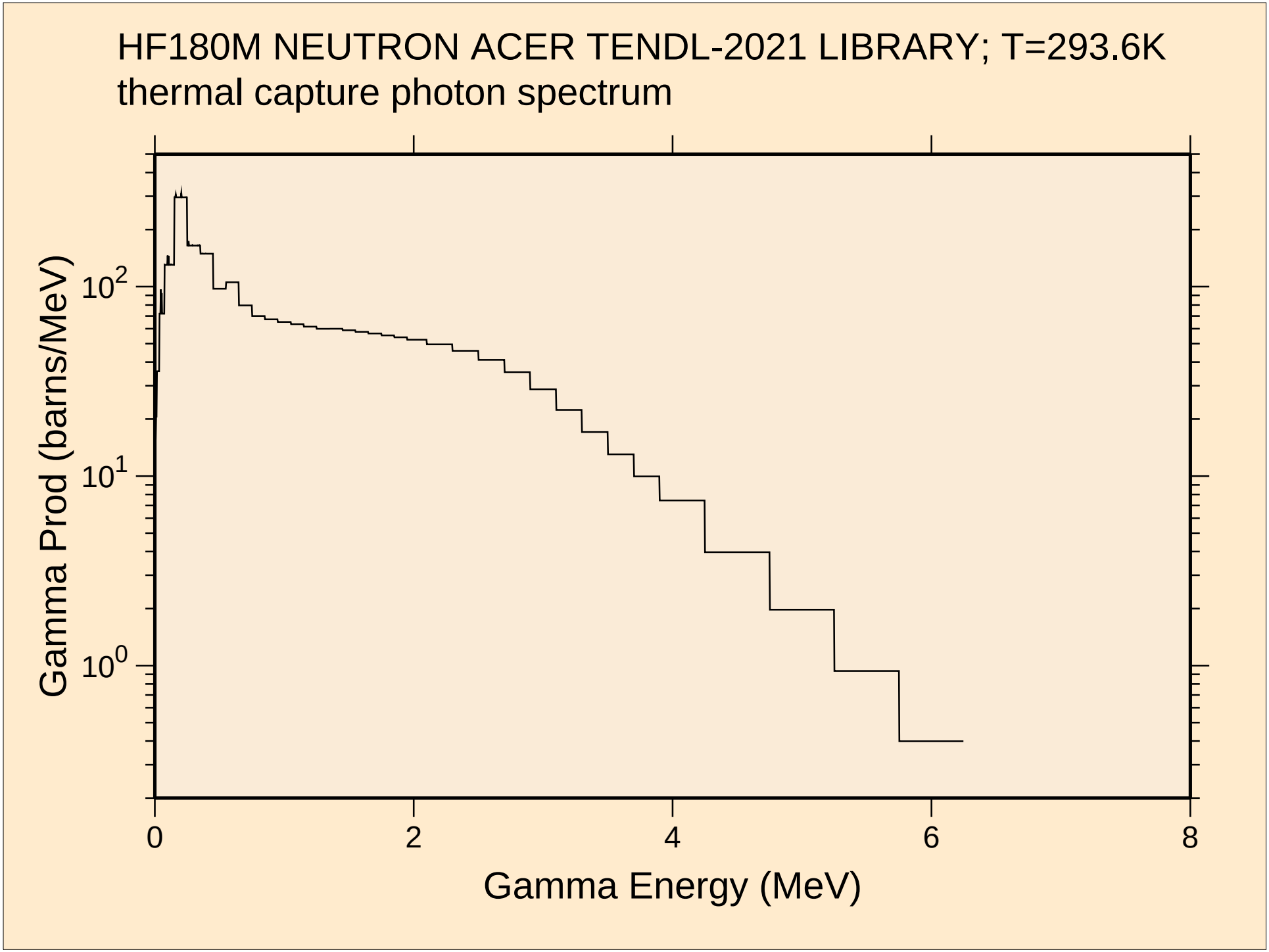

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,he3)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

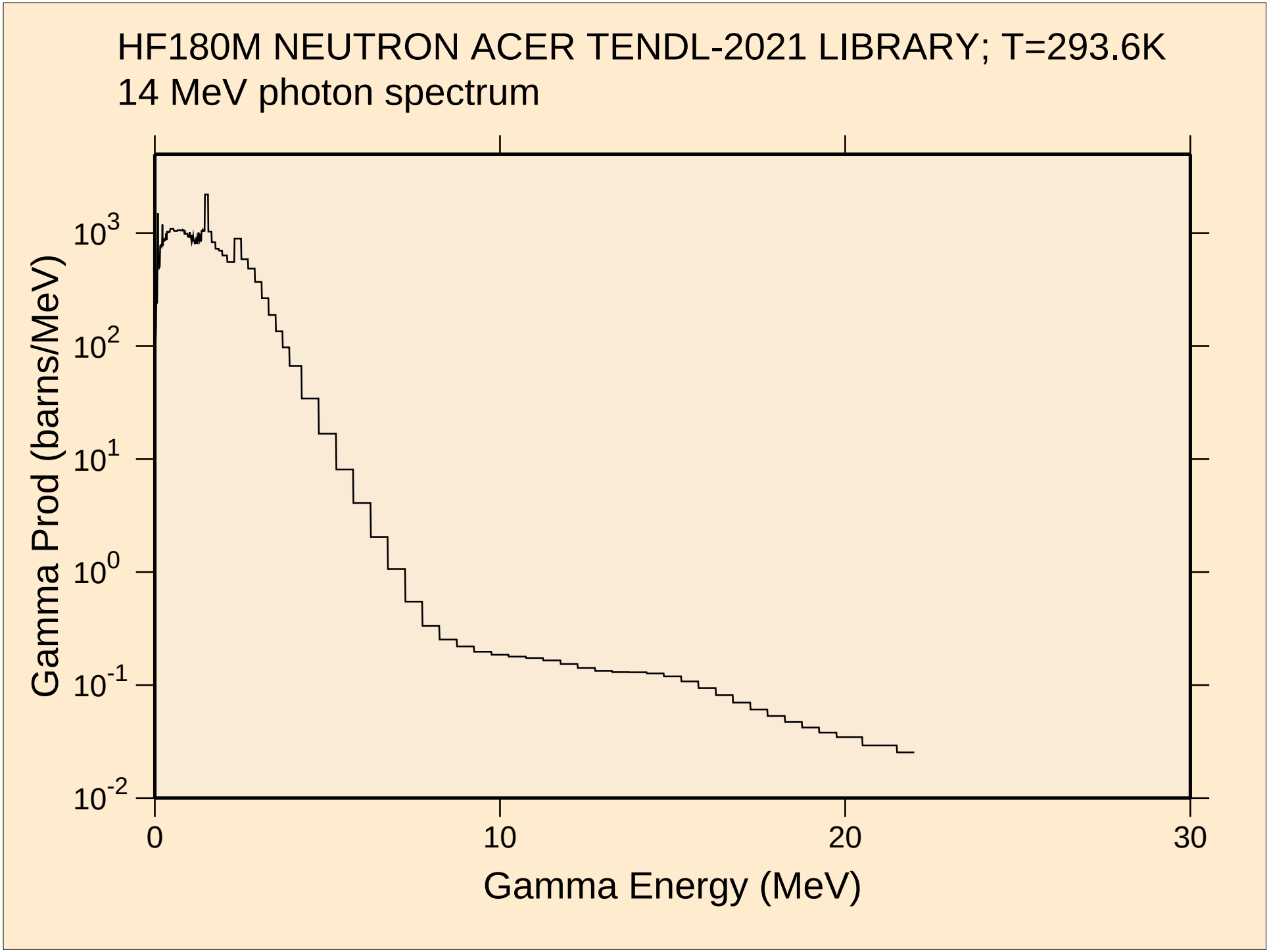

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,a)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
5
10
0
5
10
15
20
25
30
E_n (MeV)

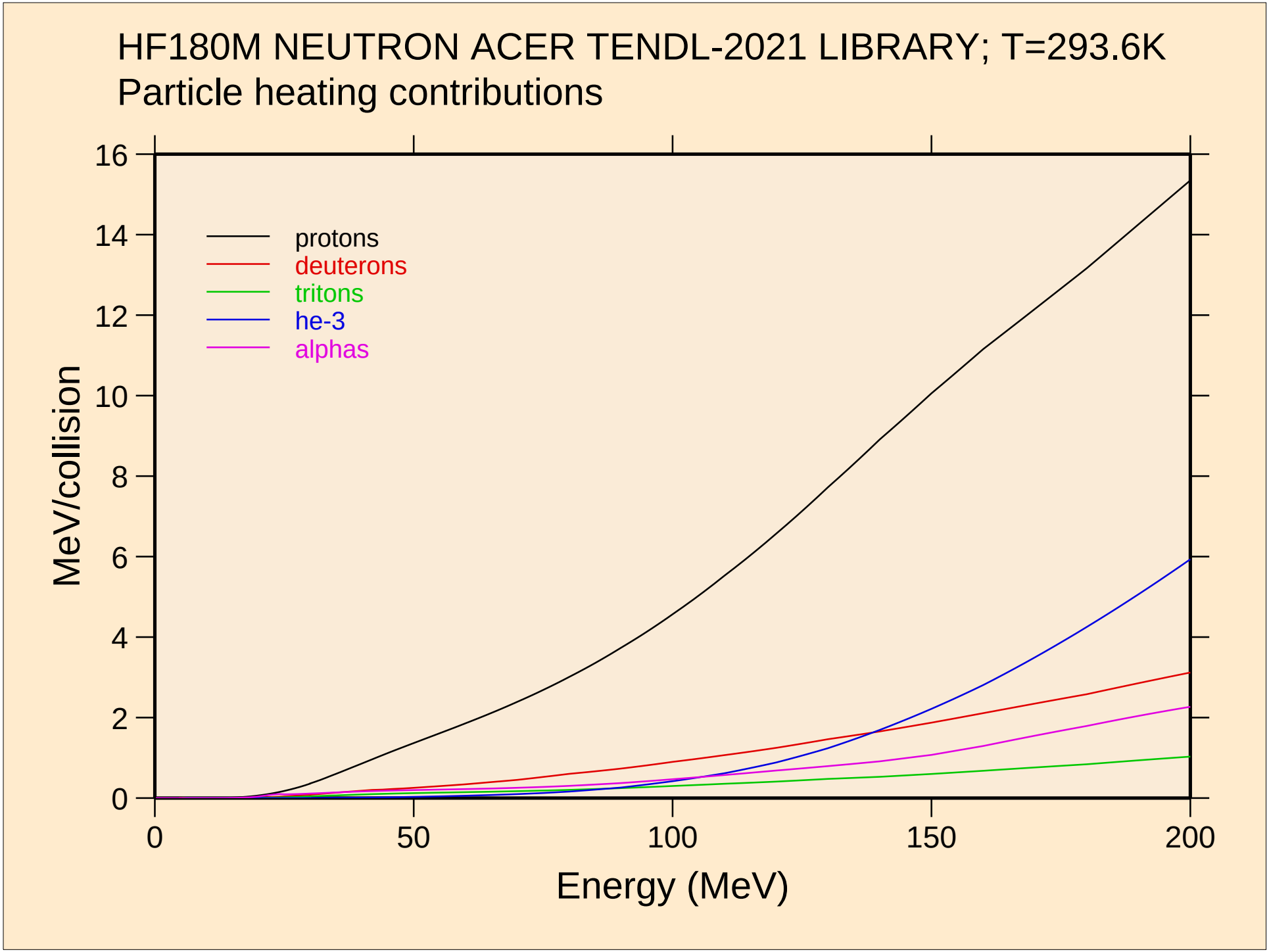

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2p)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
5
10
15
20
25
30
E_n (MeV)

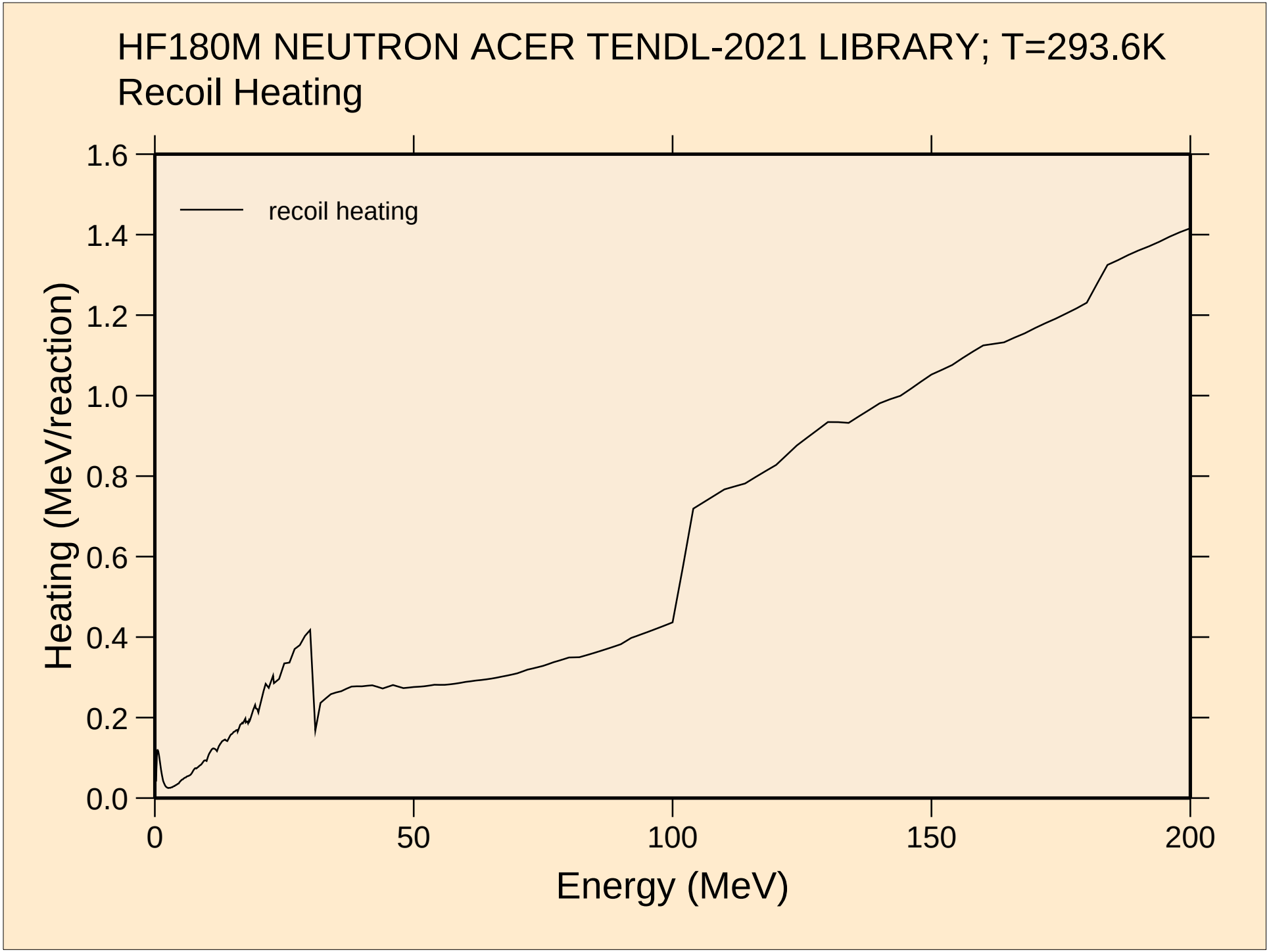

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pa)
Prob/MeV
10^{3}
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
0
5
10
15
20
25
30
E_n (MeV)

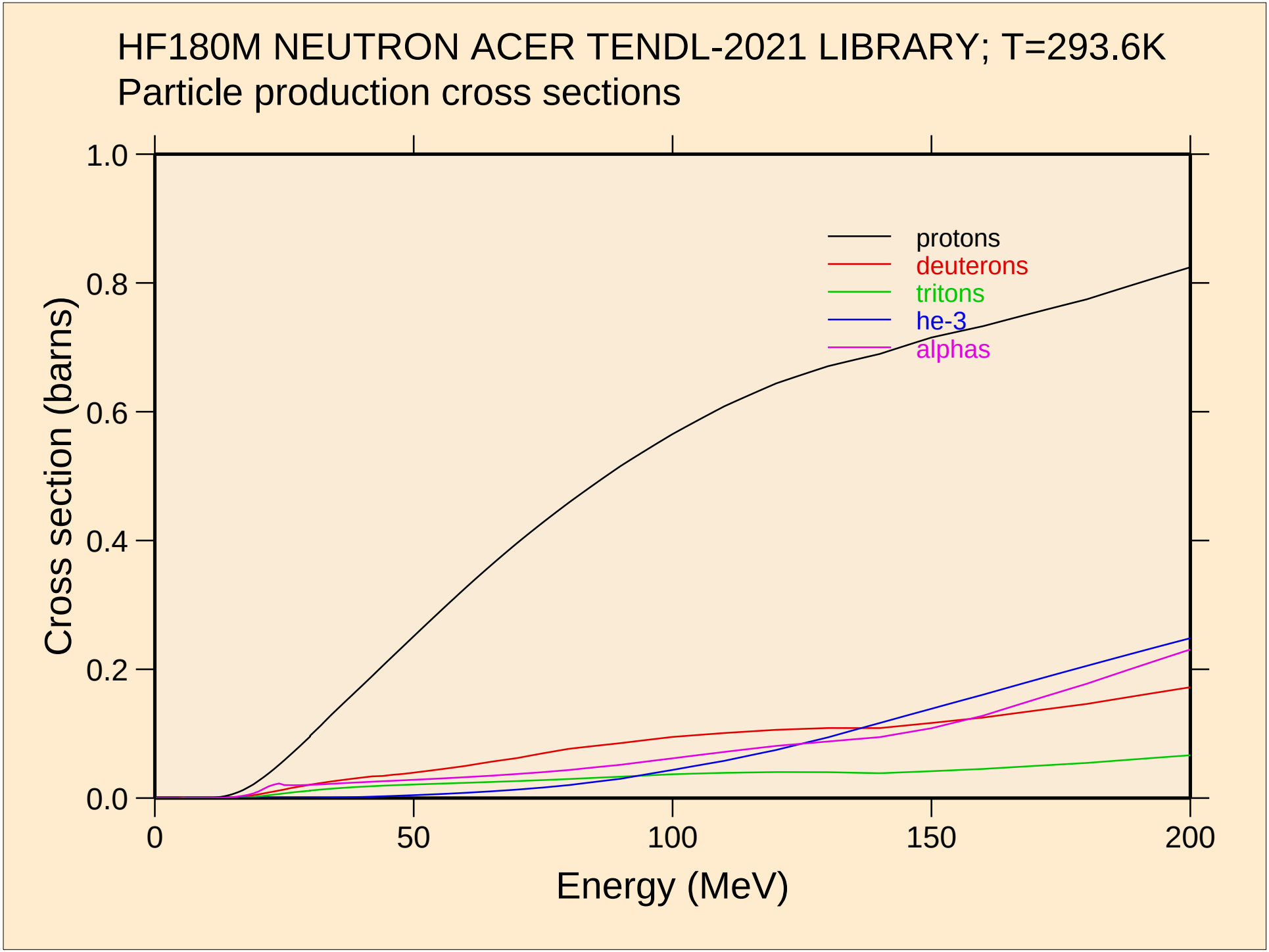

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pd)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
2
4
E_n (MeV)
10
12
14
16
18
20
22
24
26
28
30

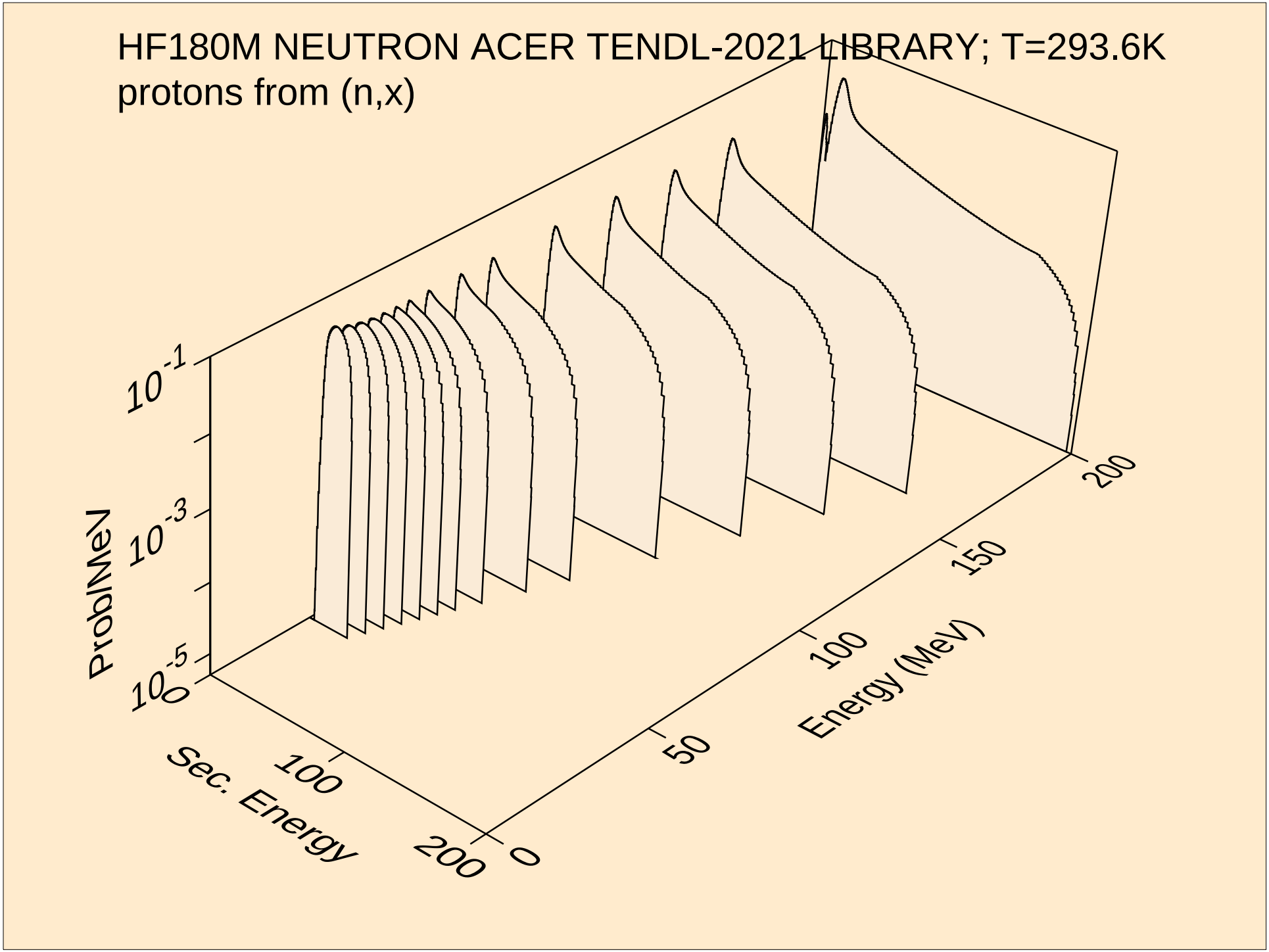

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
thermal capture photon spectrum
Gamma Prod (barns/MeV)
10^2
10^1
10^0
0
2
4
6
8
Gamma Energy (MeV)

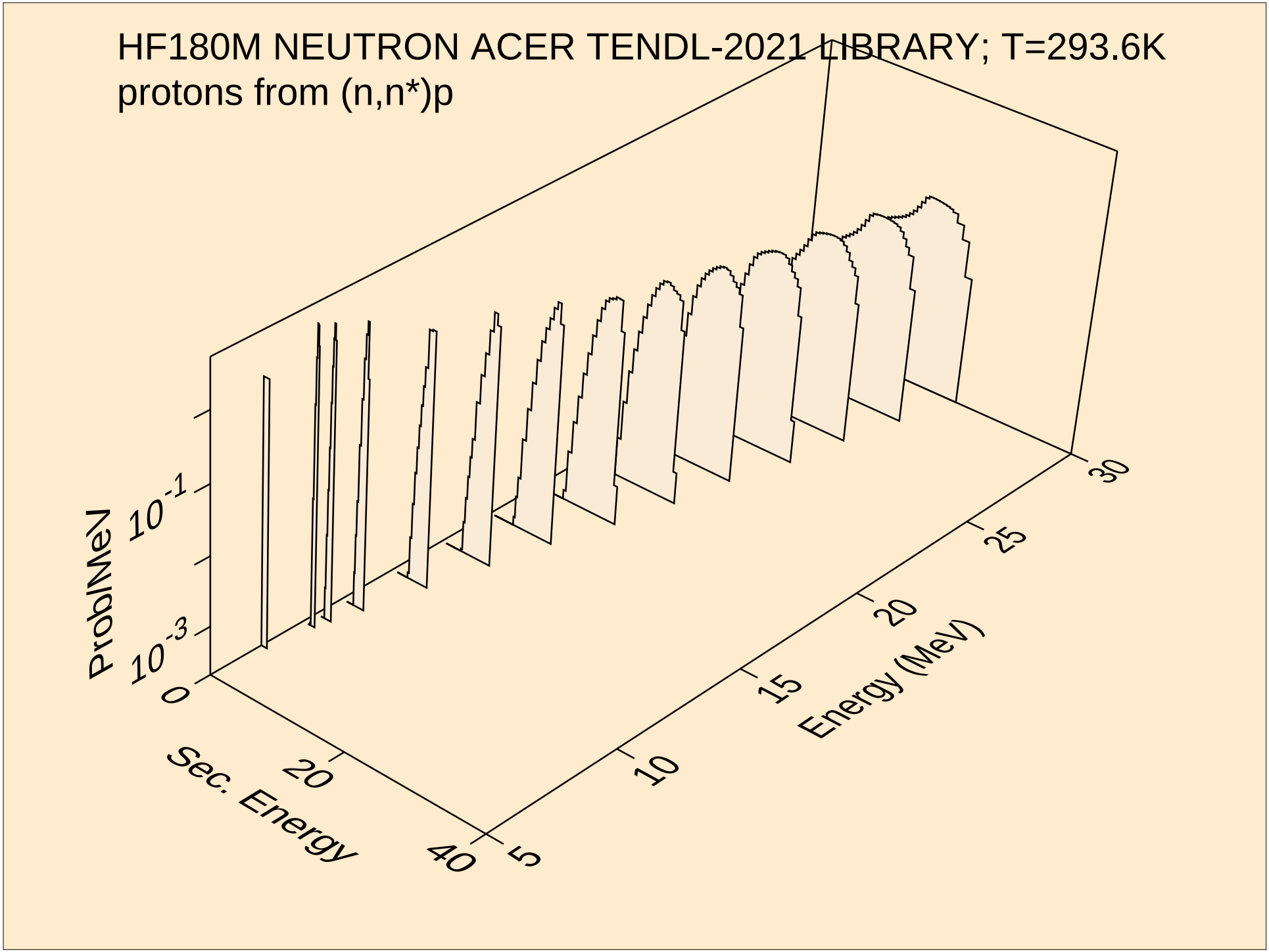

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^3
10^2
10^1
10^0
10^-1
10^-2
0
10
20
30
Gamma Energy (MeV)

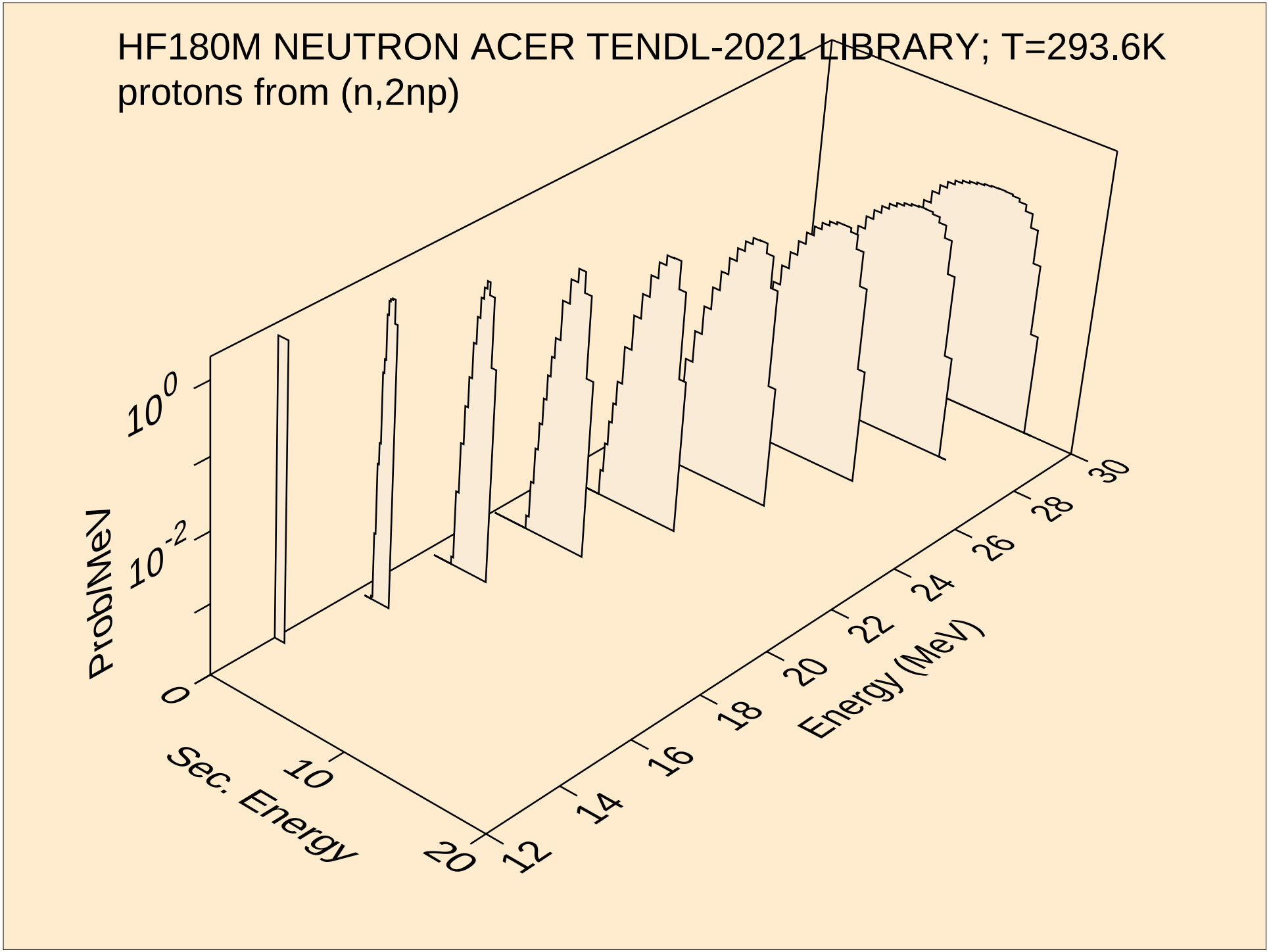

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Particle heating contributions
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
2
4
6
8
10
12
14
16
0
50
100
150
200

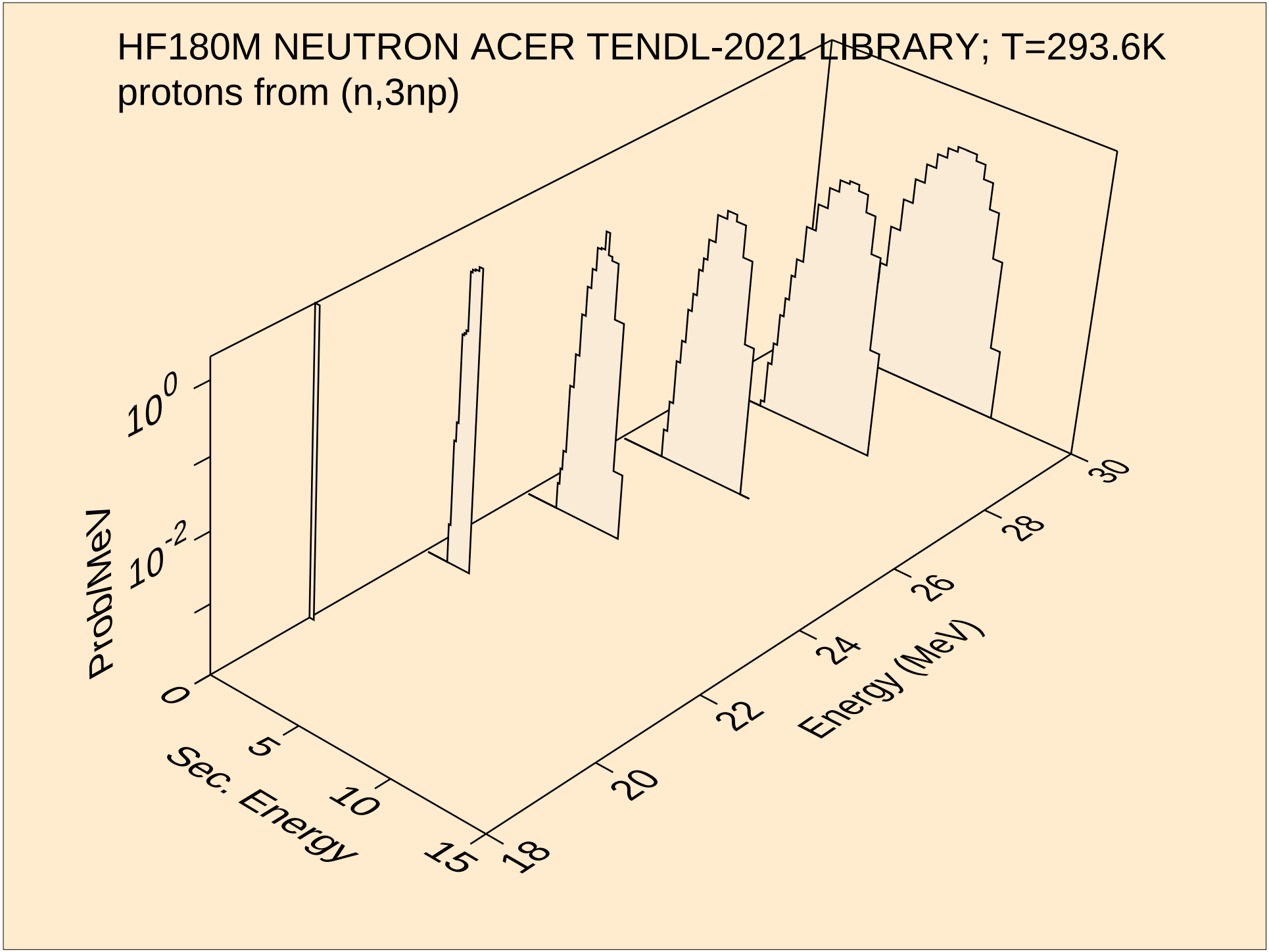

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
50
100
150
200

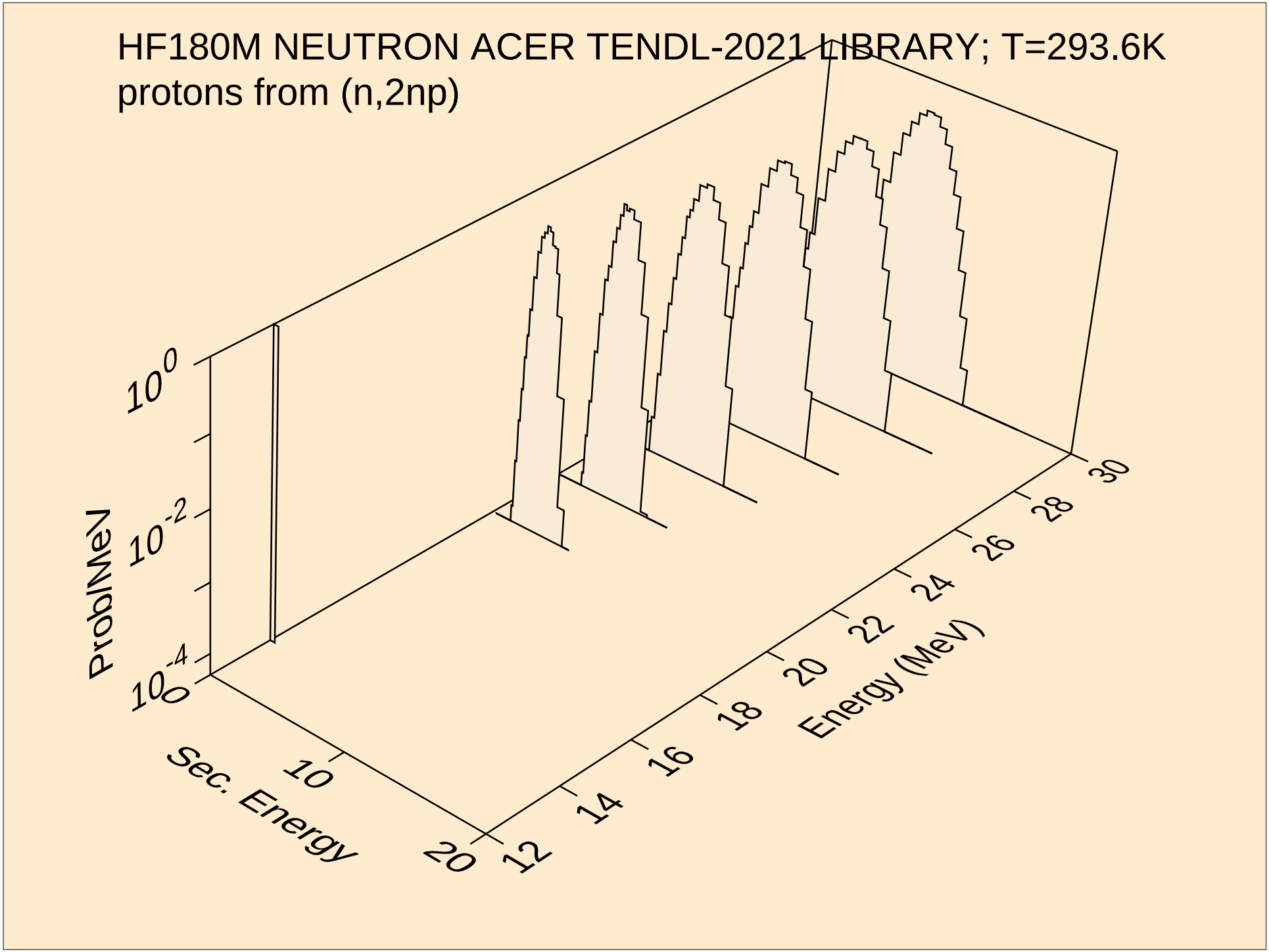

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Particle production cross sections
Cross section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
Energy (MeV)
protons
deuterons
tritons
he-3
alphas

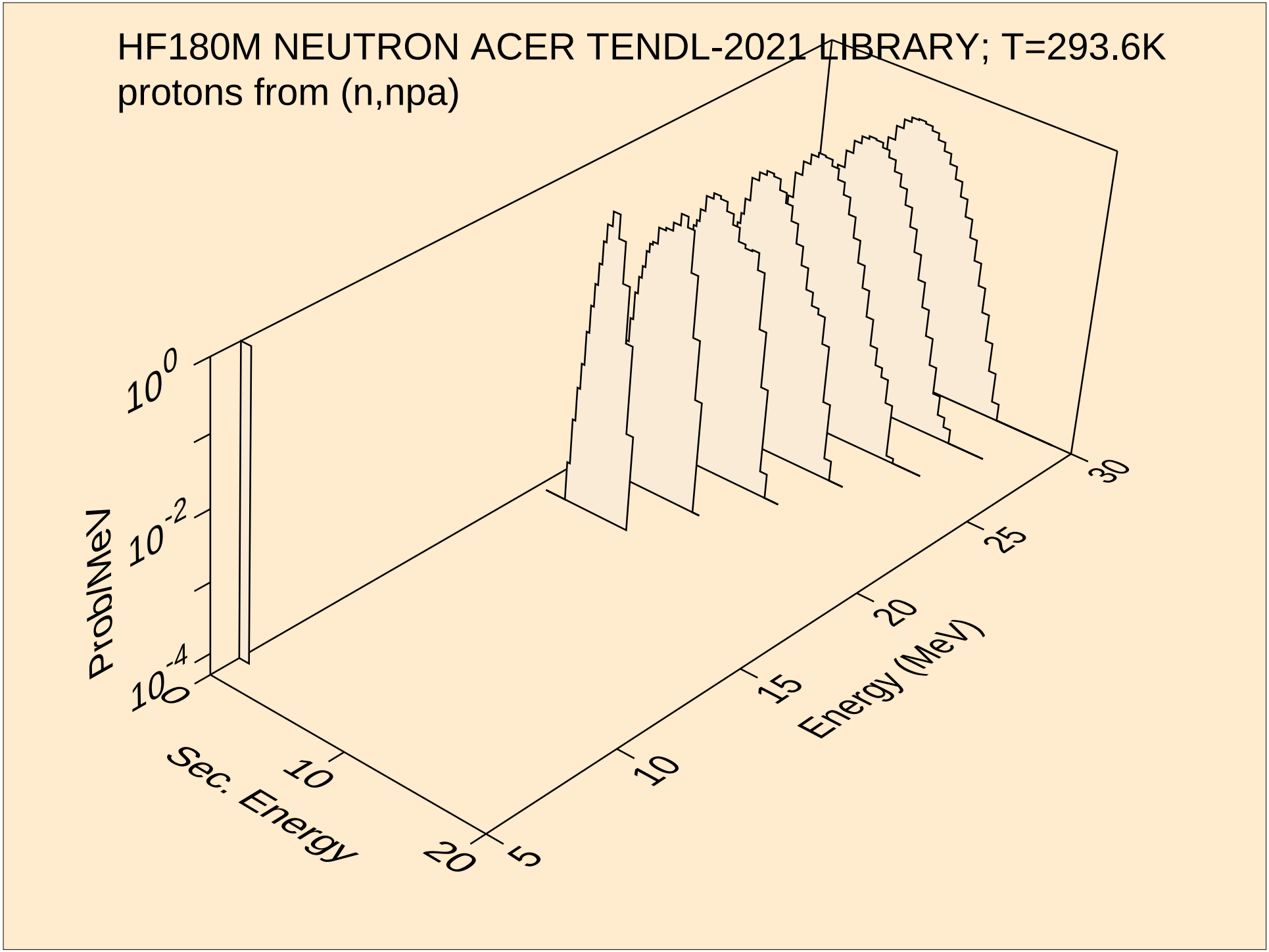

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

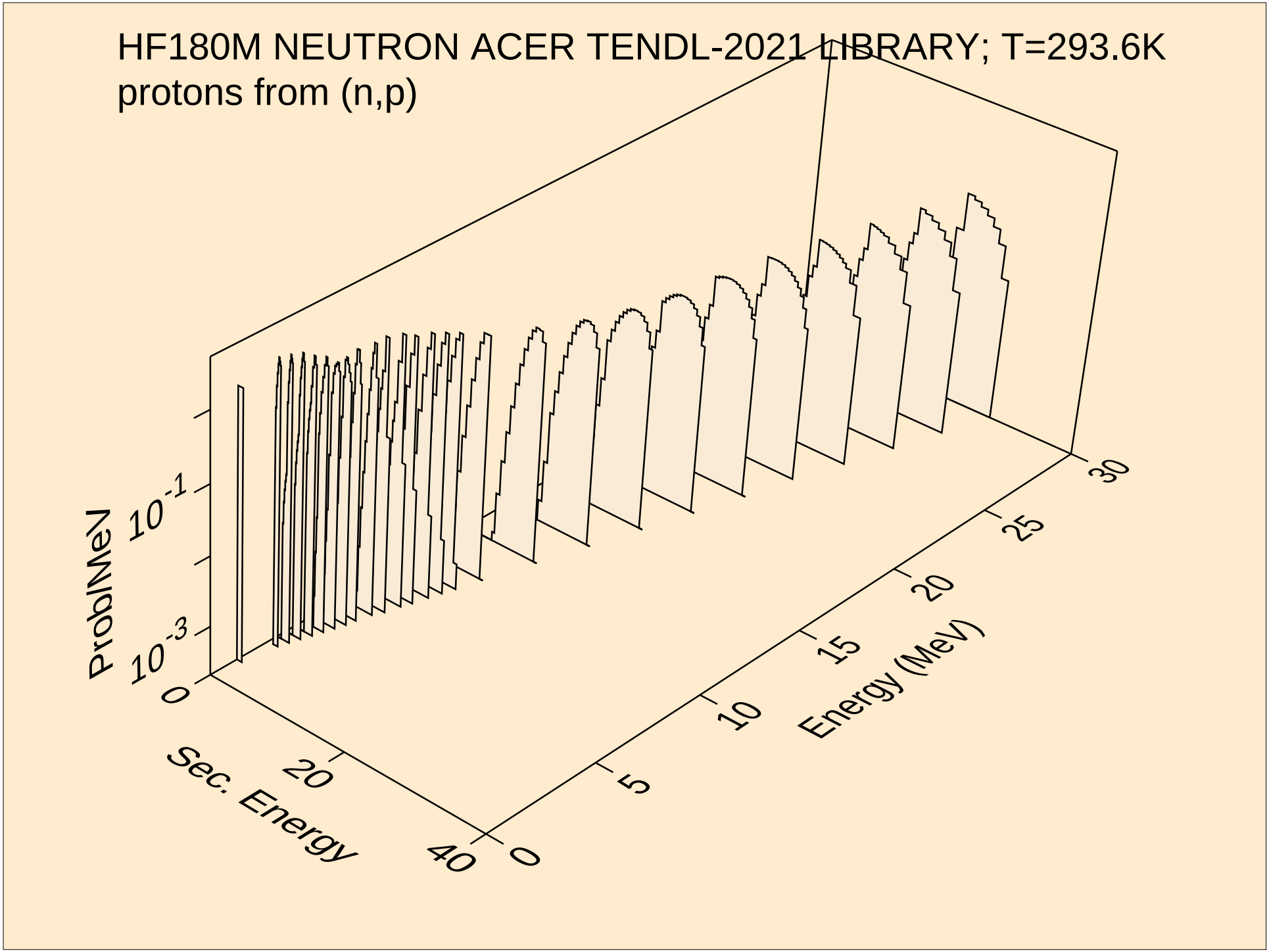

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,n*)p
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
5
10
15
20
25
30
Energy (MeV)

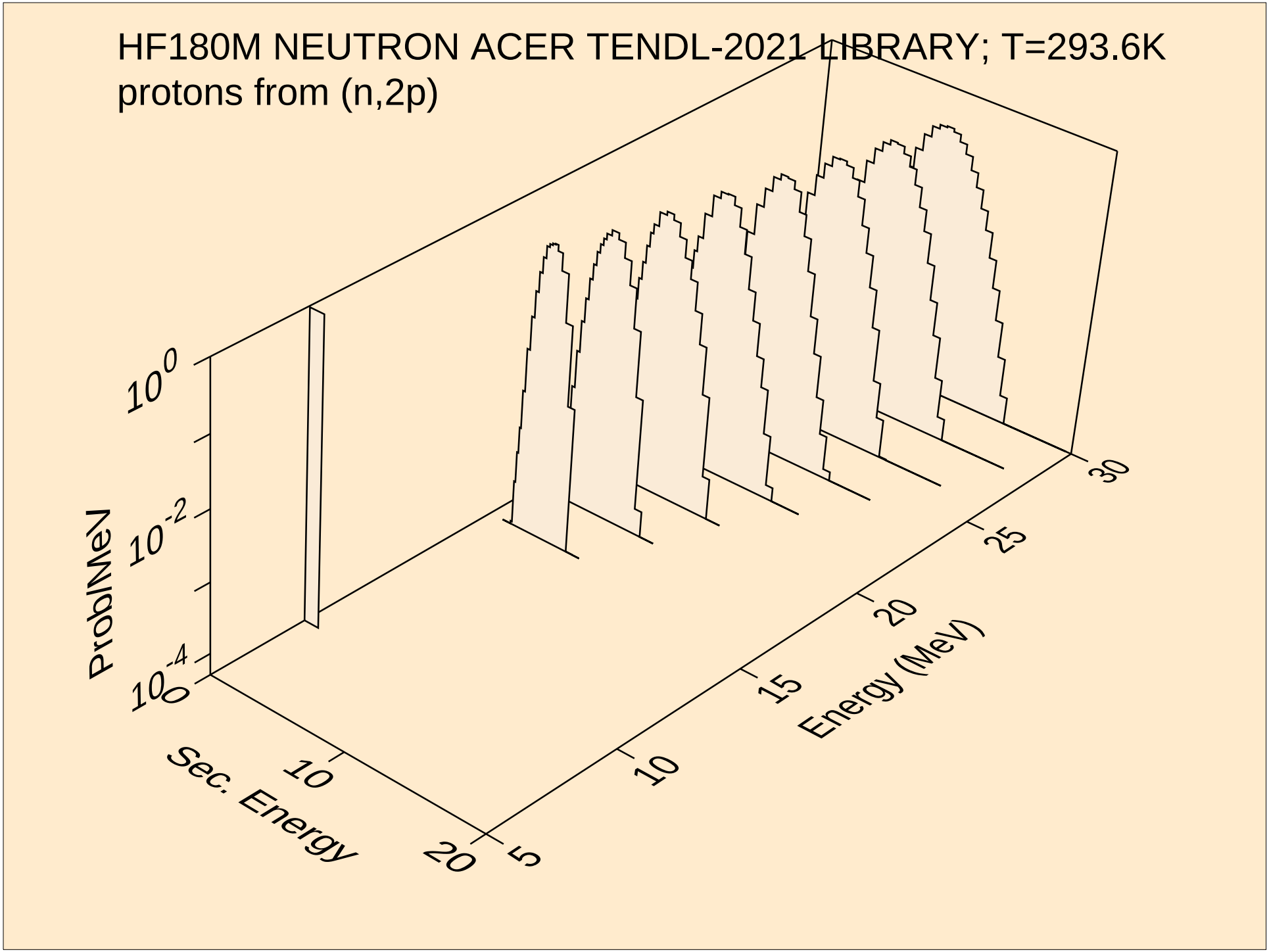

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,2np)
Prob/MeV
10^{0}
10^{-2}
0
Sec. Energy
10
20
Energy (MeV)
12
14
16
18
20
22
24
26
28
30

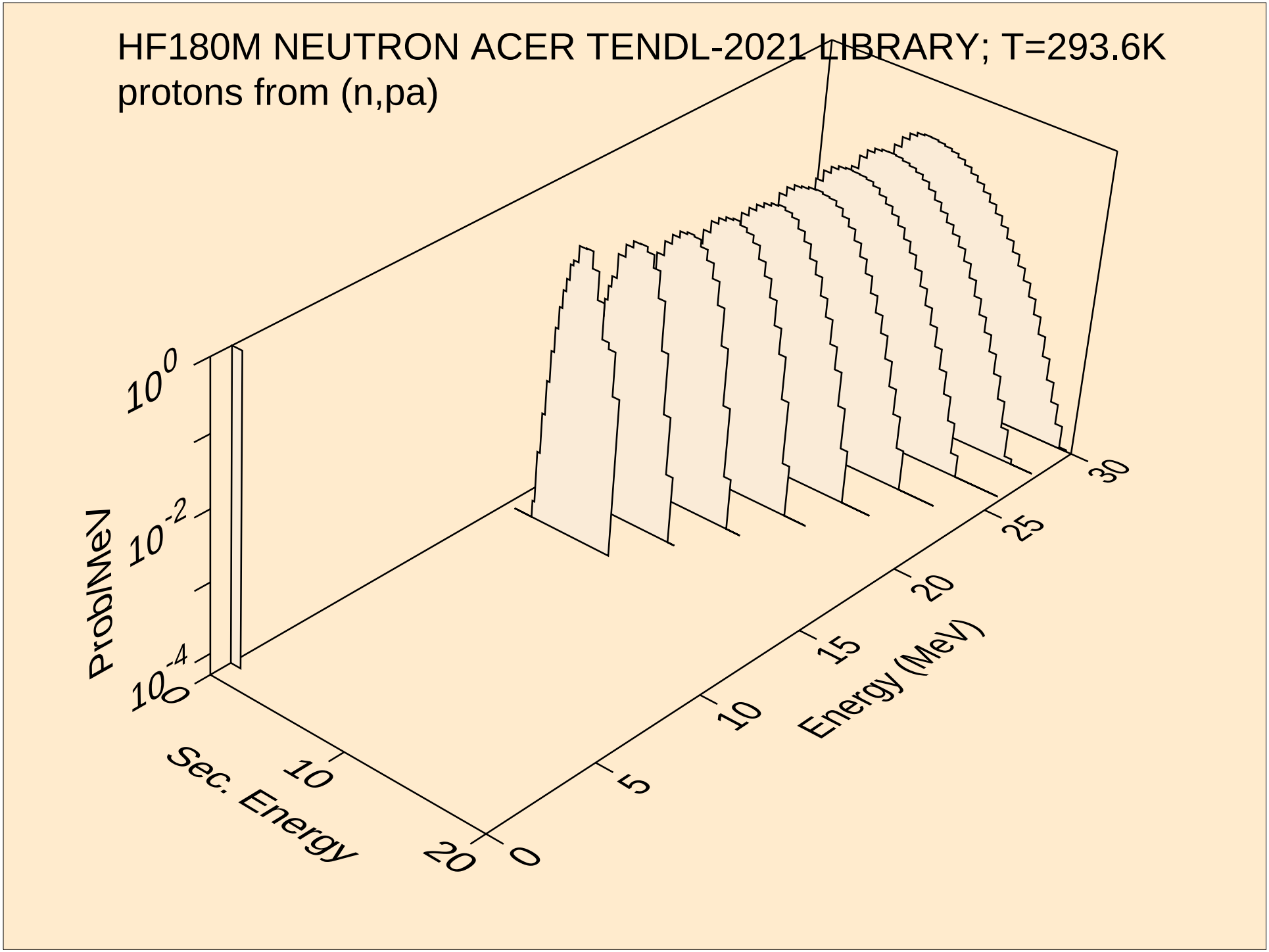

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,3np)
Prob/MeV
10^0
10^-2
0
Sec. Energy
5
10
15
18
20
22
24
26
28
30
Energy (MeV)

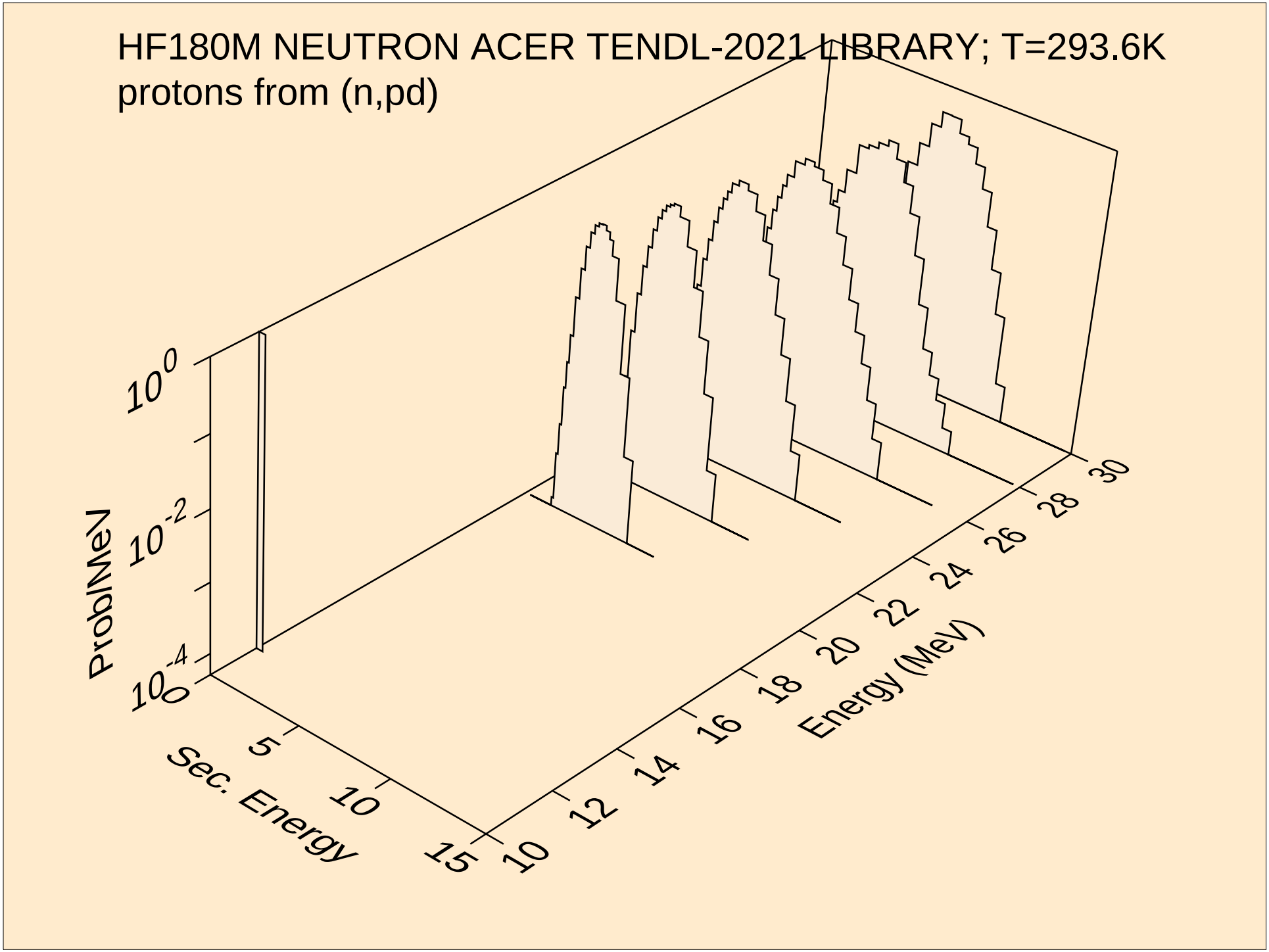

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,2np)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
Sec. Energy
10
20
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

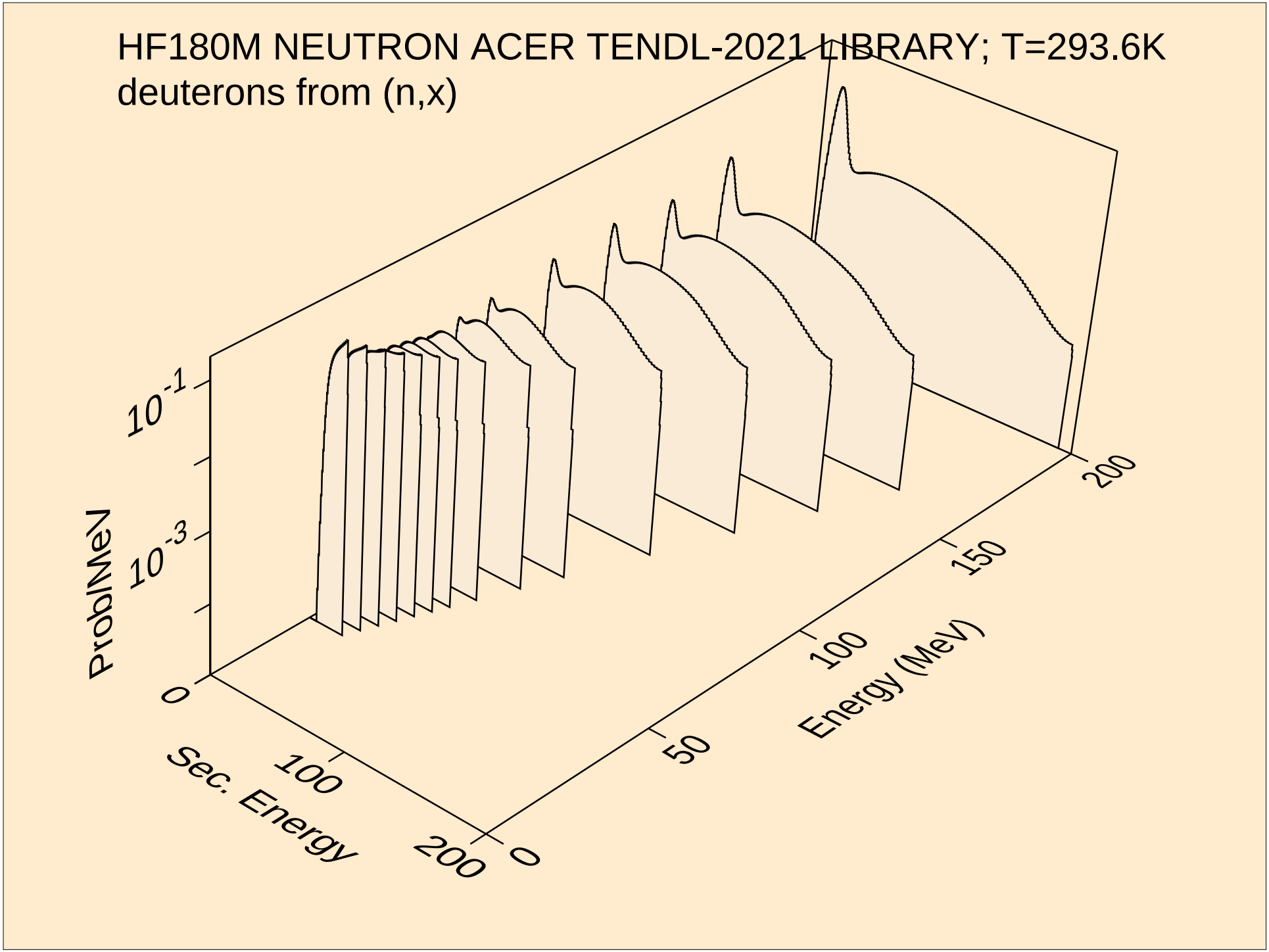

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,npa)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

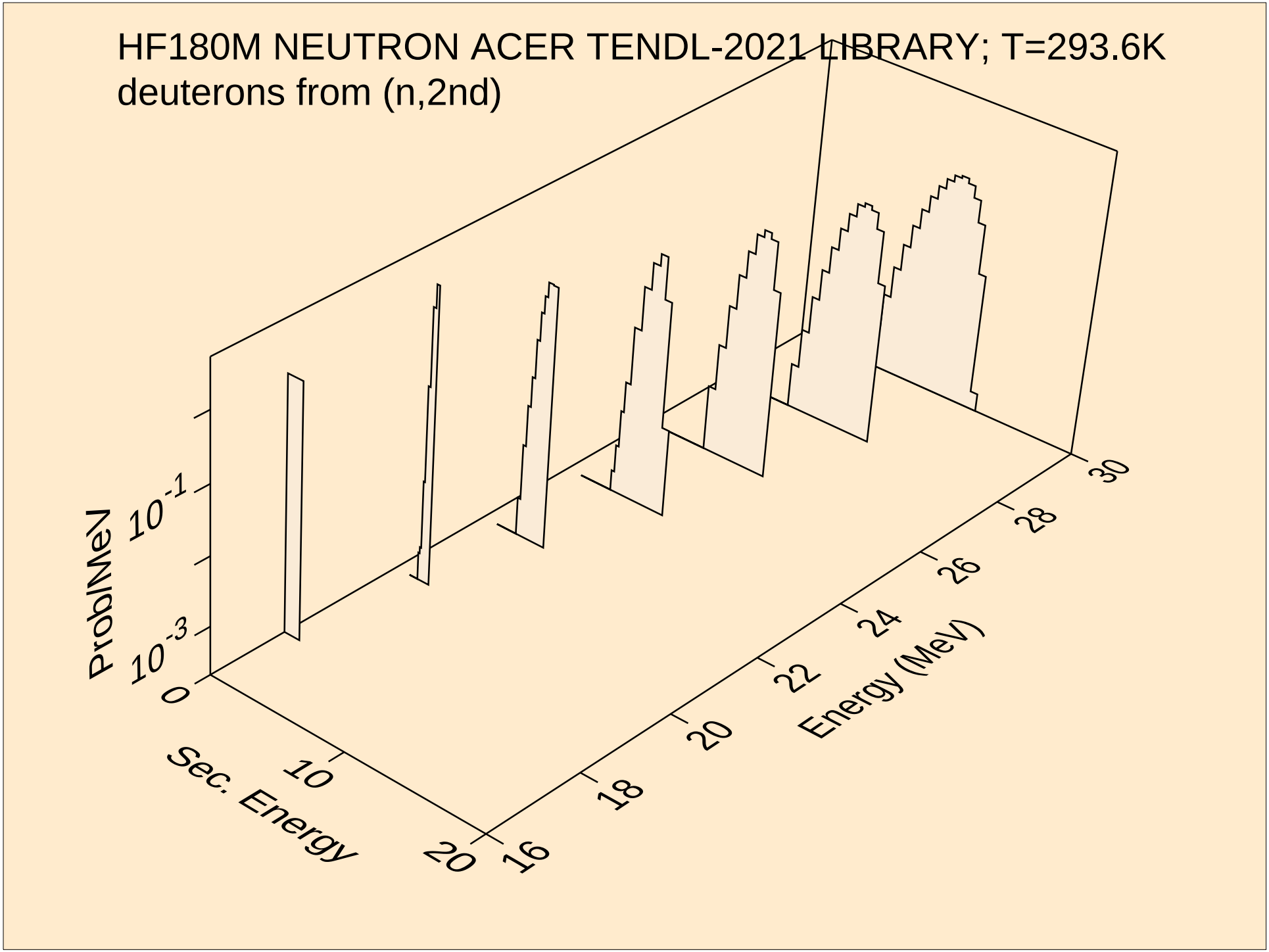

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,p)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

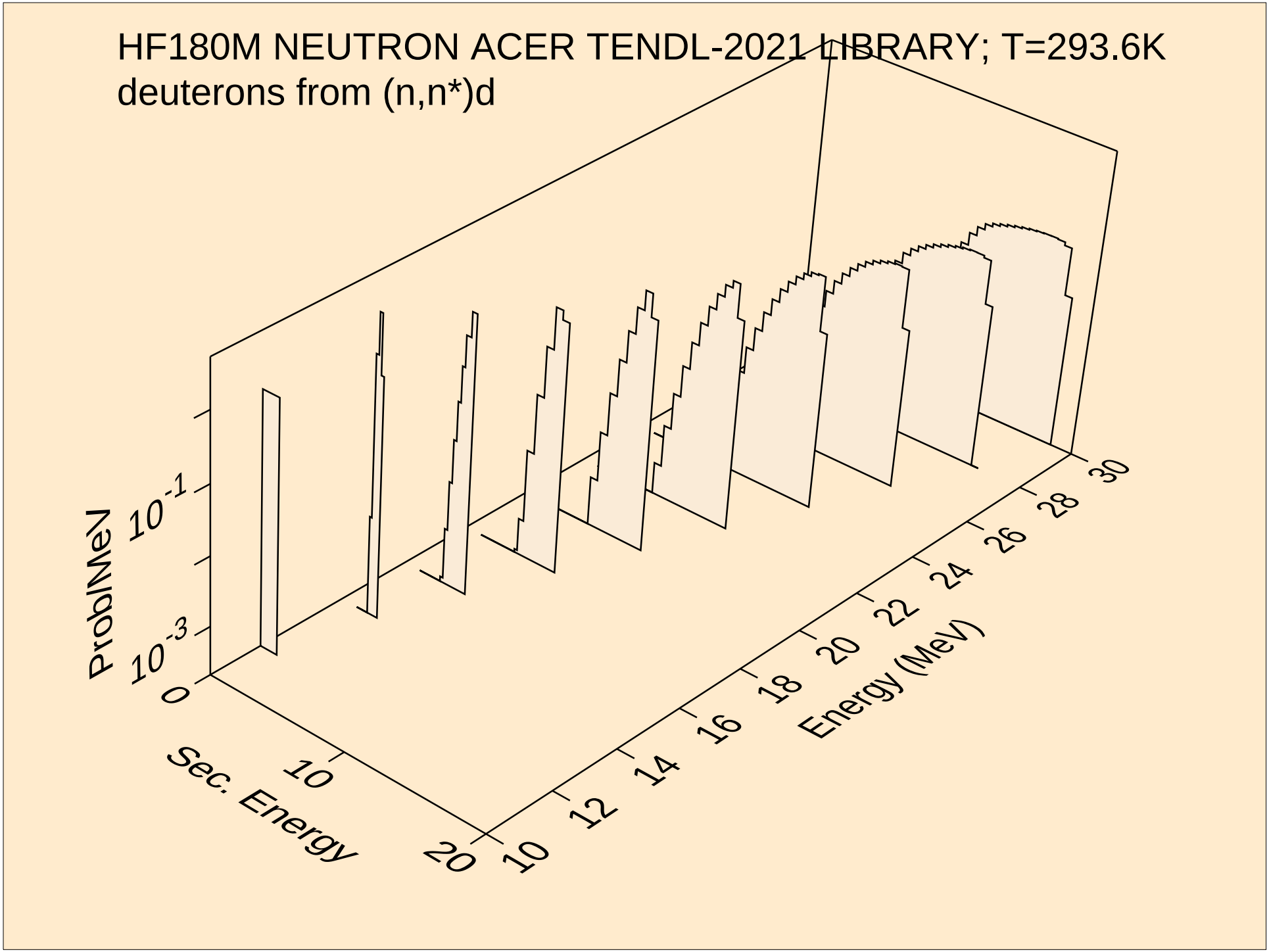

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,2p)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

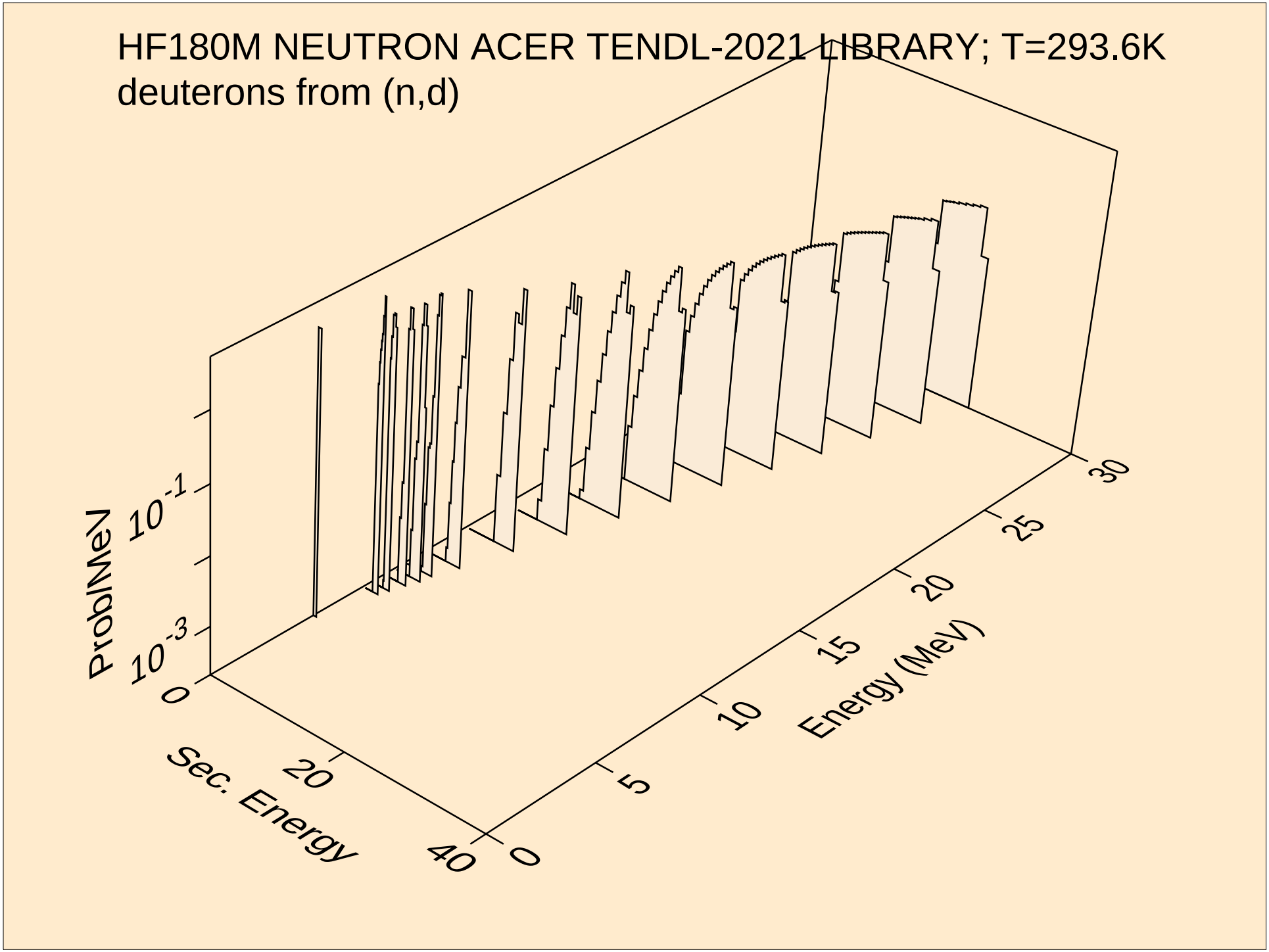

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pa)
Prob/MeV
10^0
10^-2
10^-4
0
10
20
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

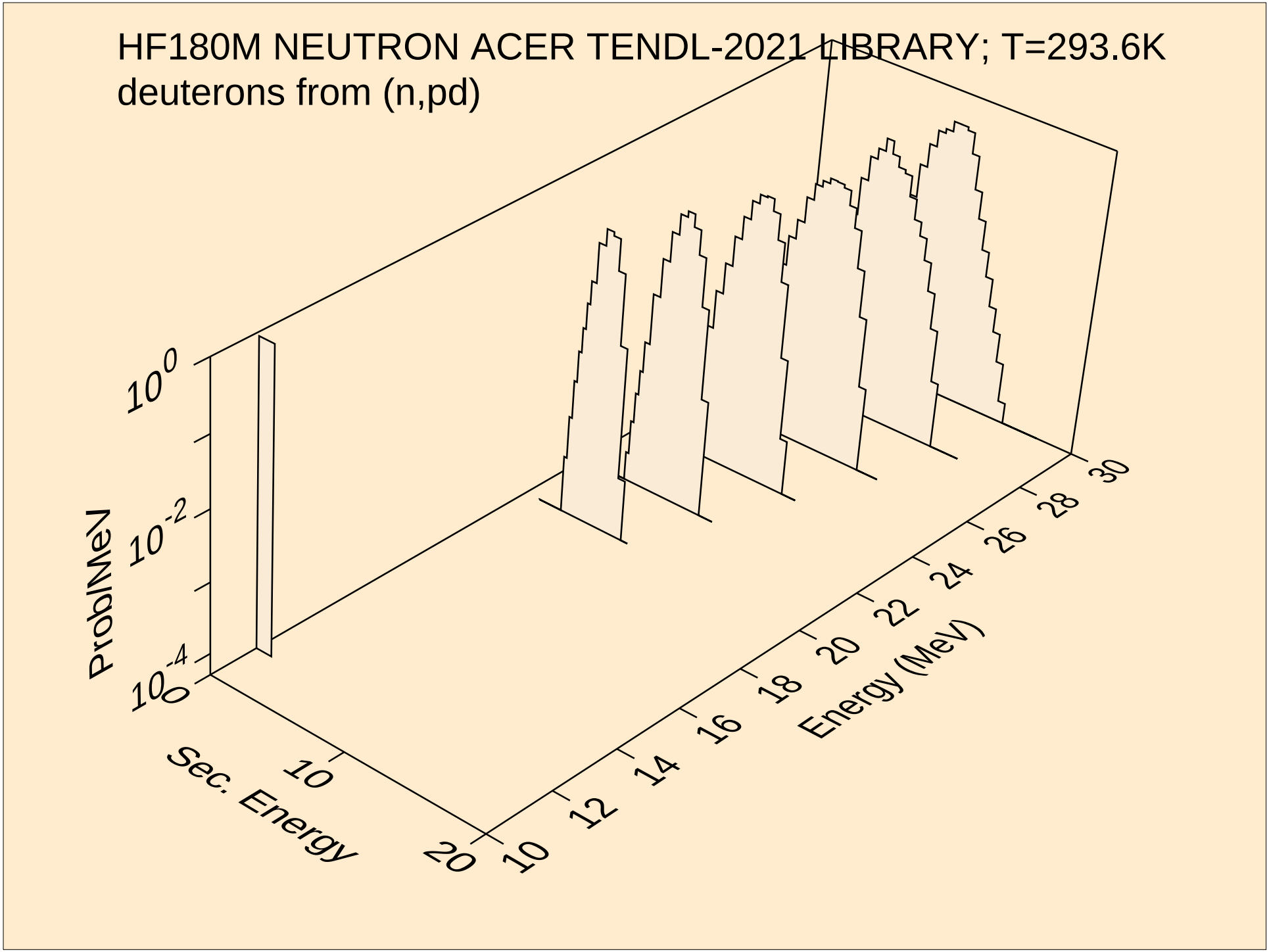

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pd)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
5
10
15
Sec. Energy
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

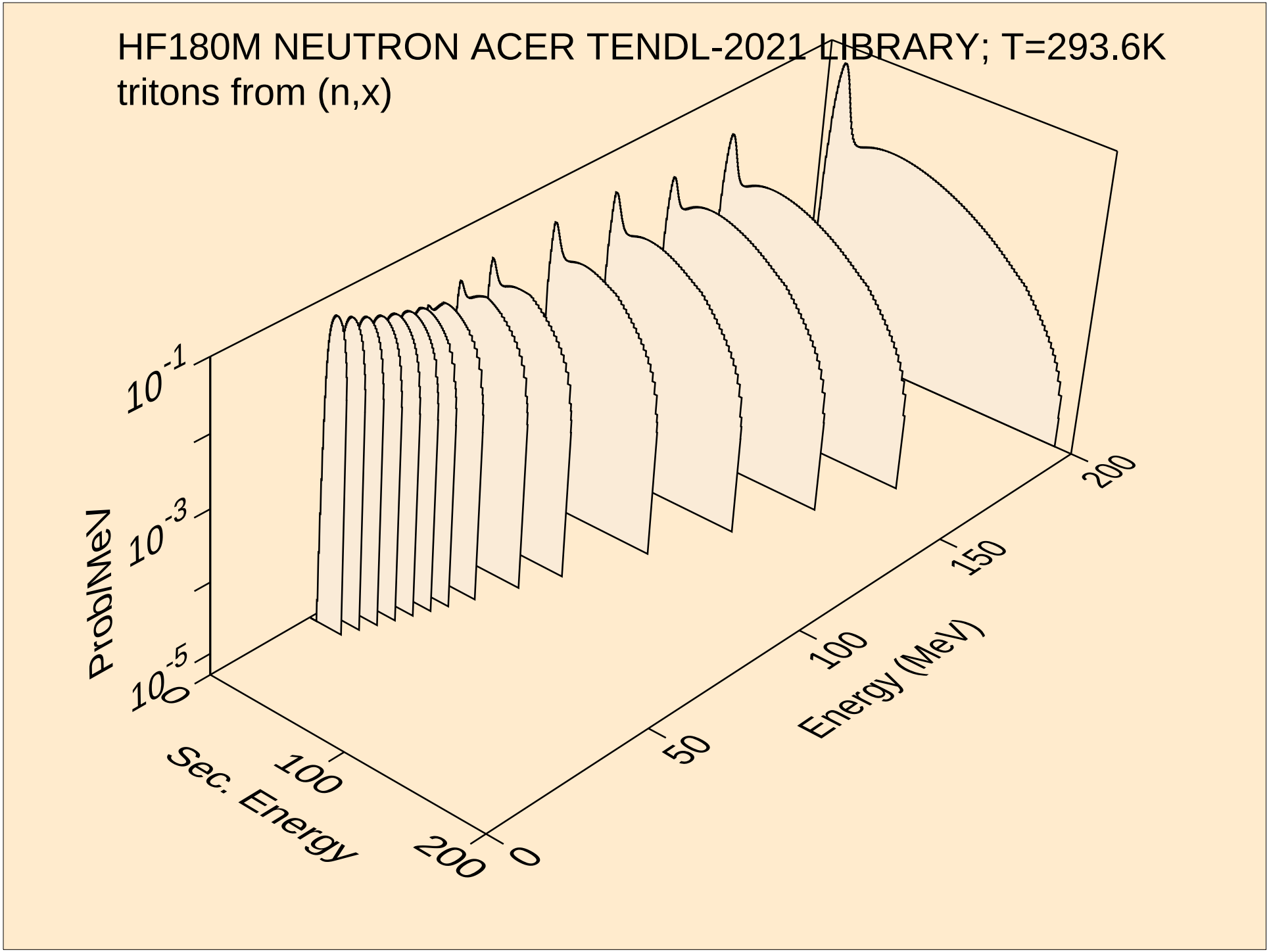

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

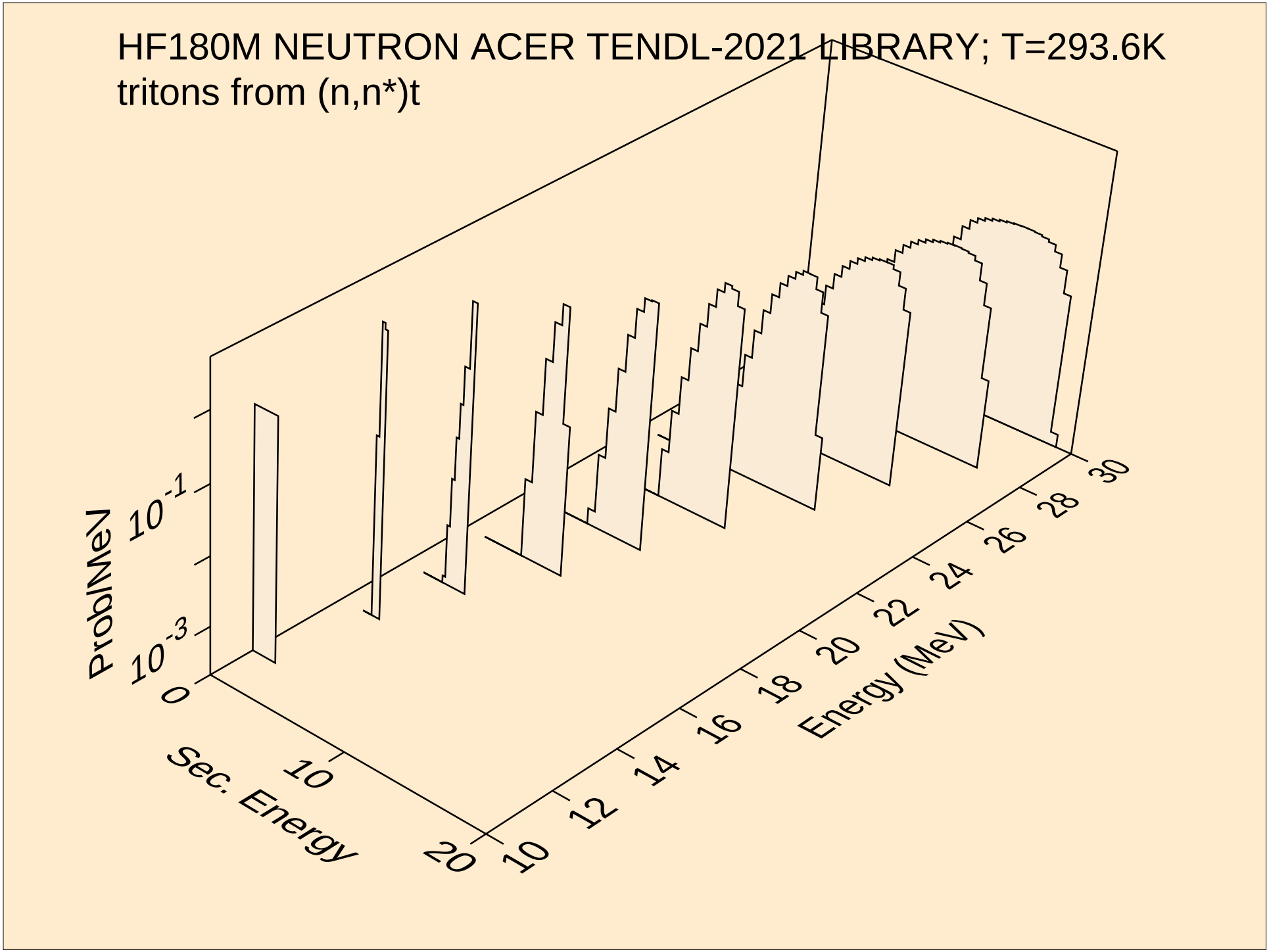

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,2nd)
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
16
18
20
22
24
26
28
30
Energy (MeV)

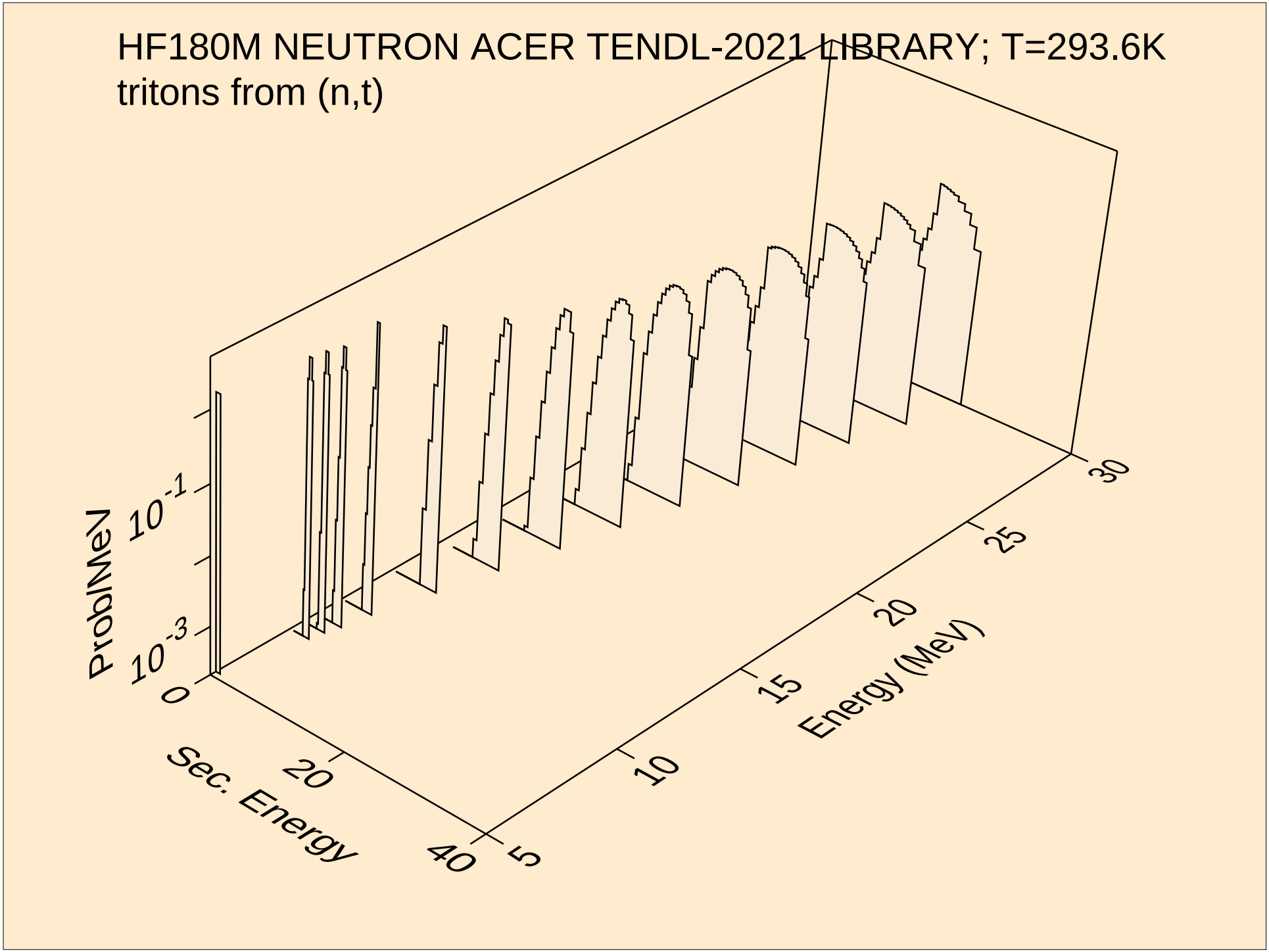

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,n*)d
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

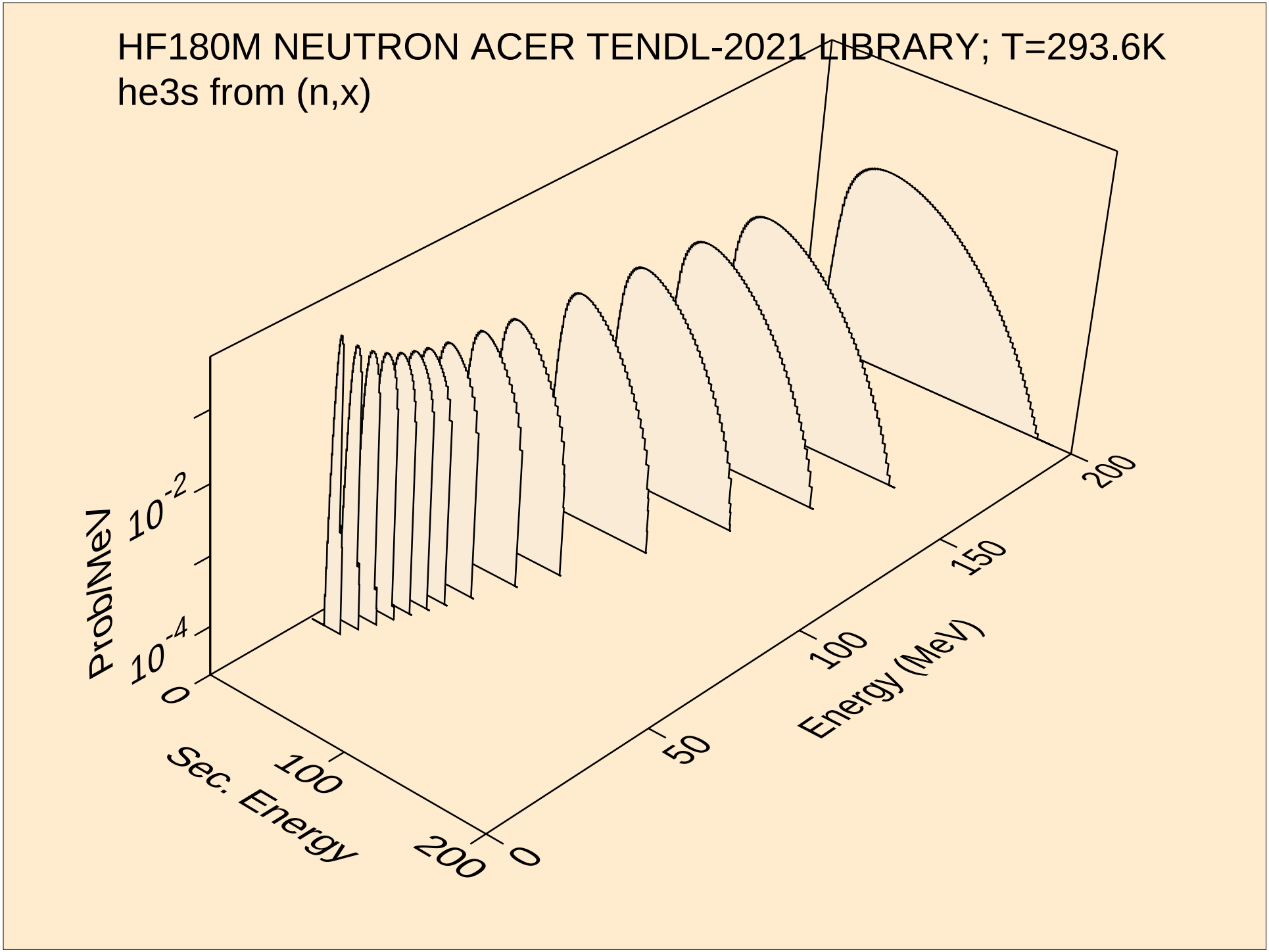

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,d)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

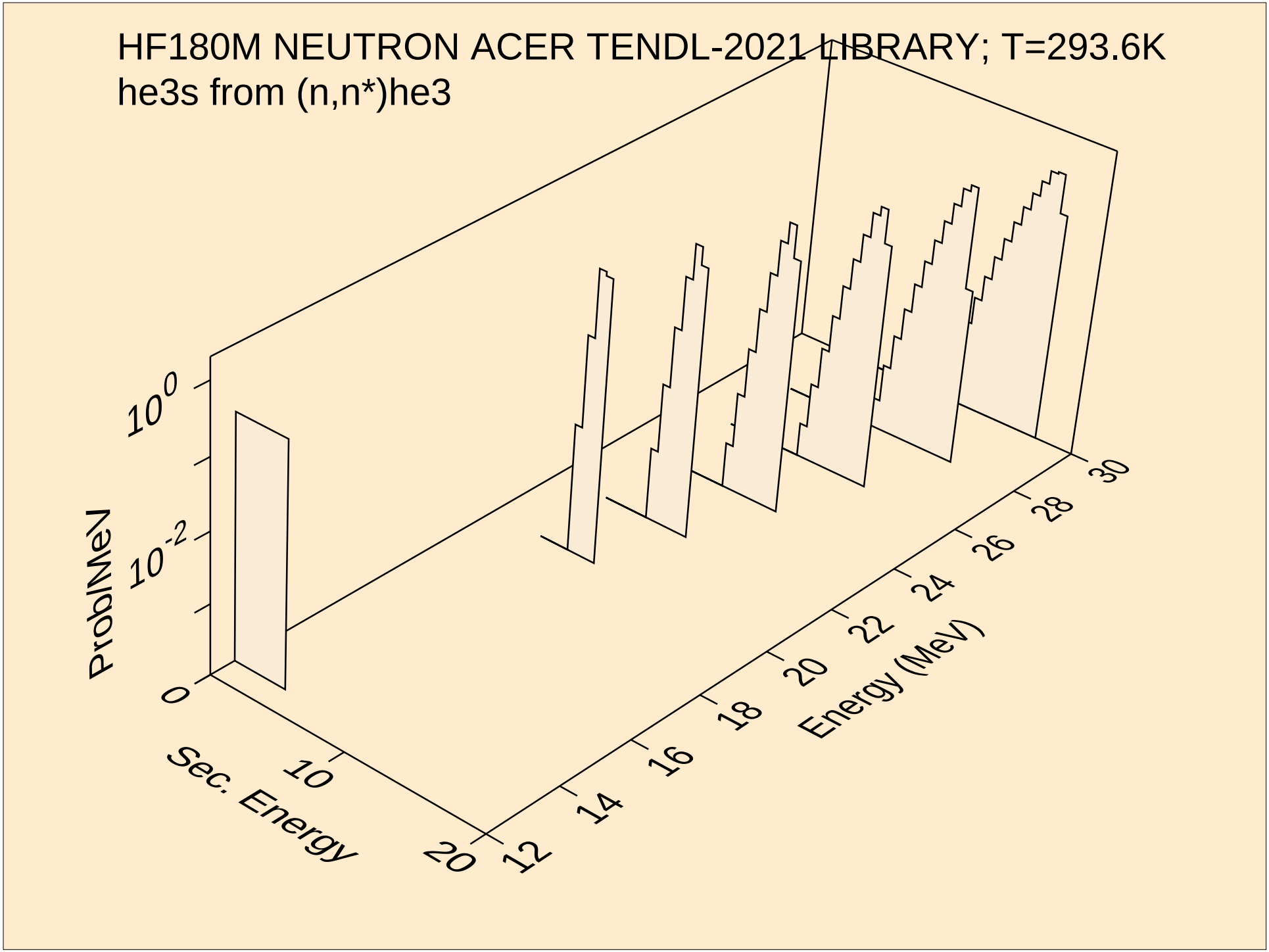

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,pd)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

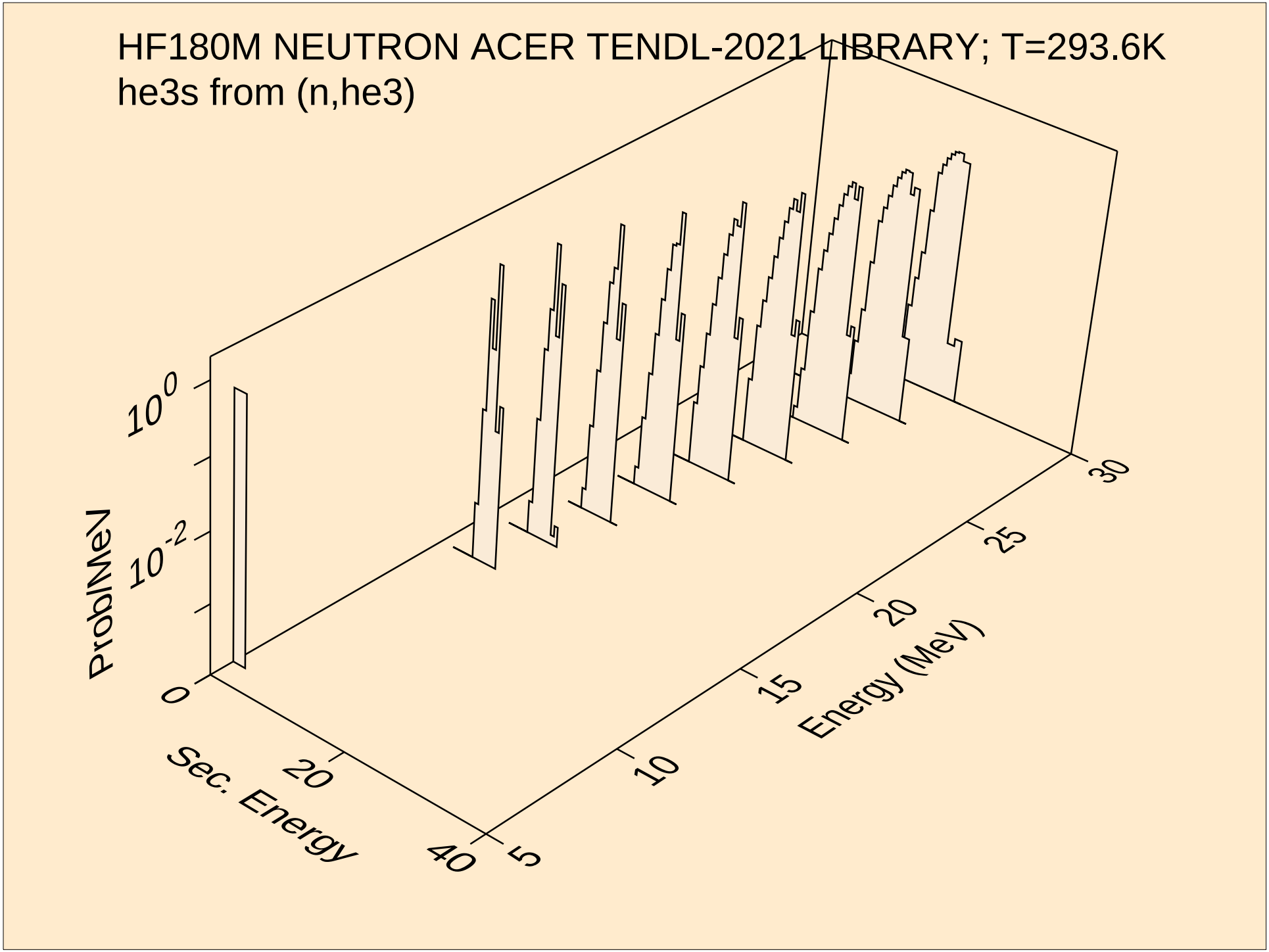

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

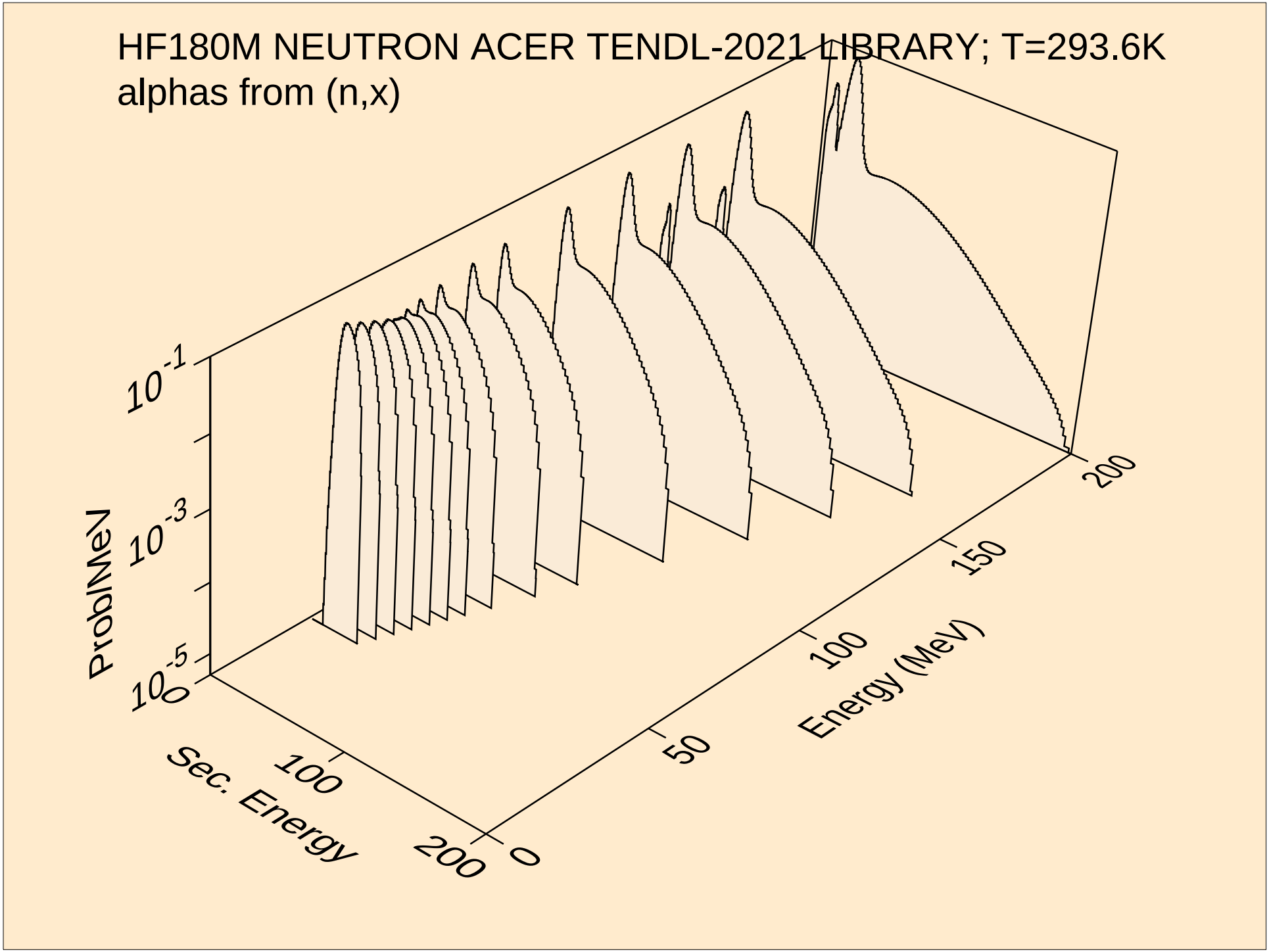

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,n*)t
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

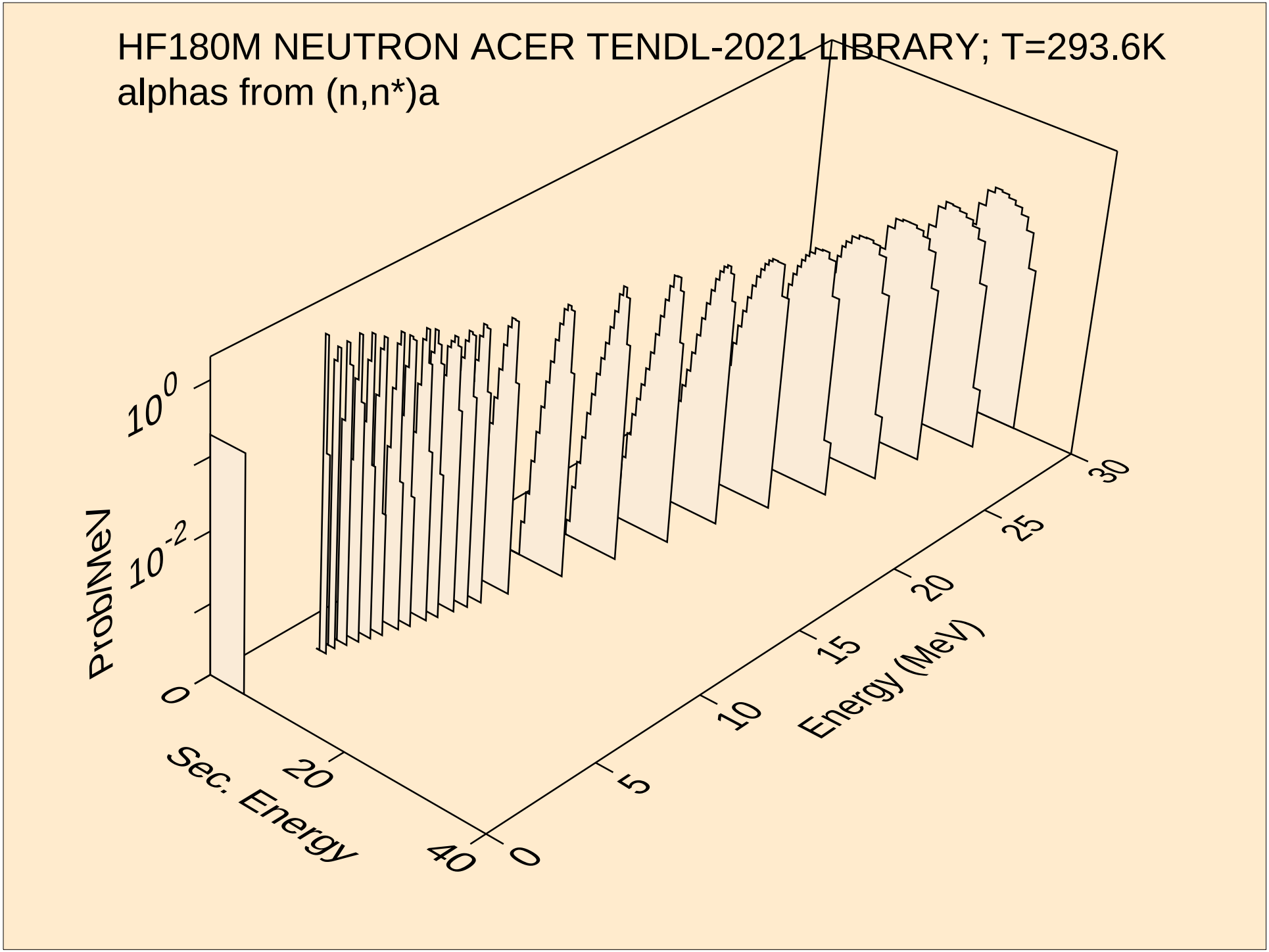

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,t)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
5
10
15
Energy (MeV)
20
25
30

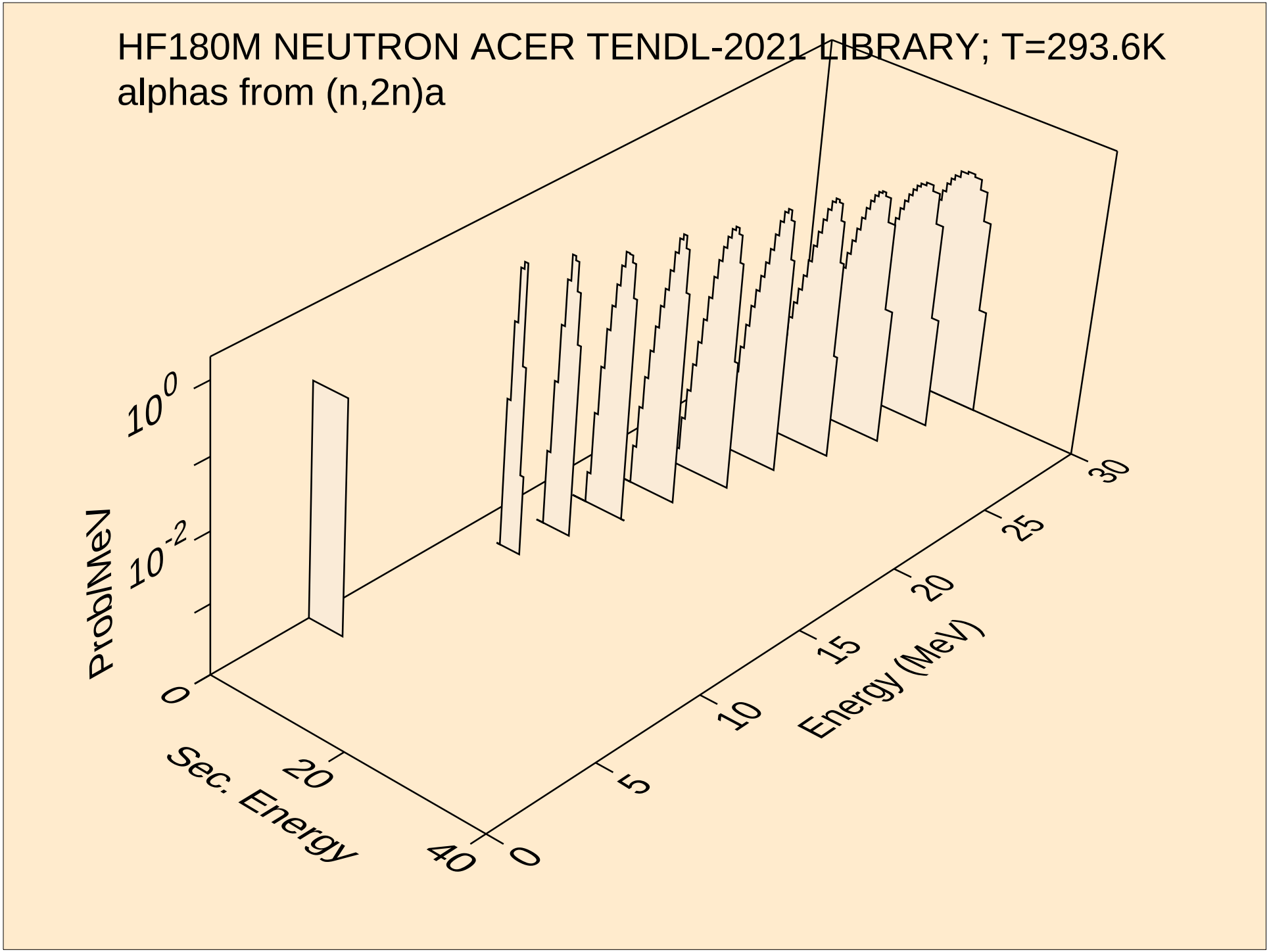

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,x)
Prob/MeV
10-2
10-4
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

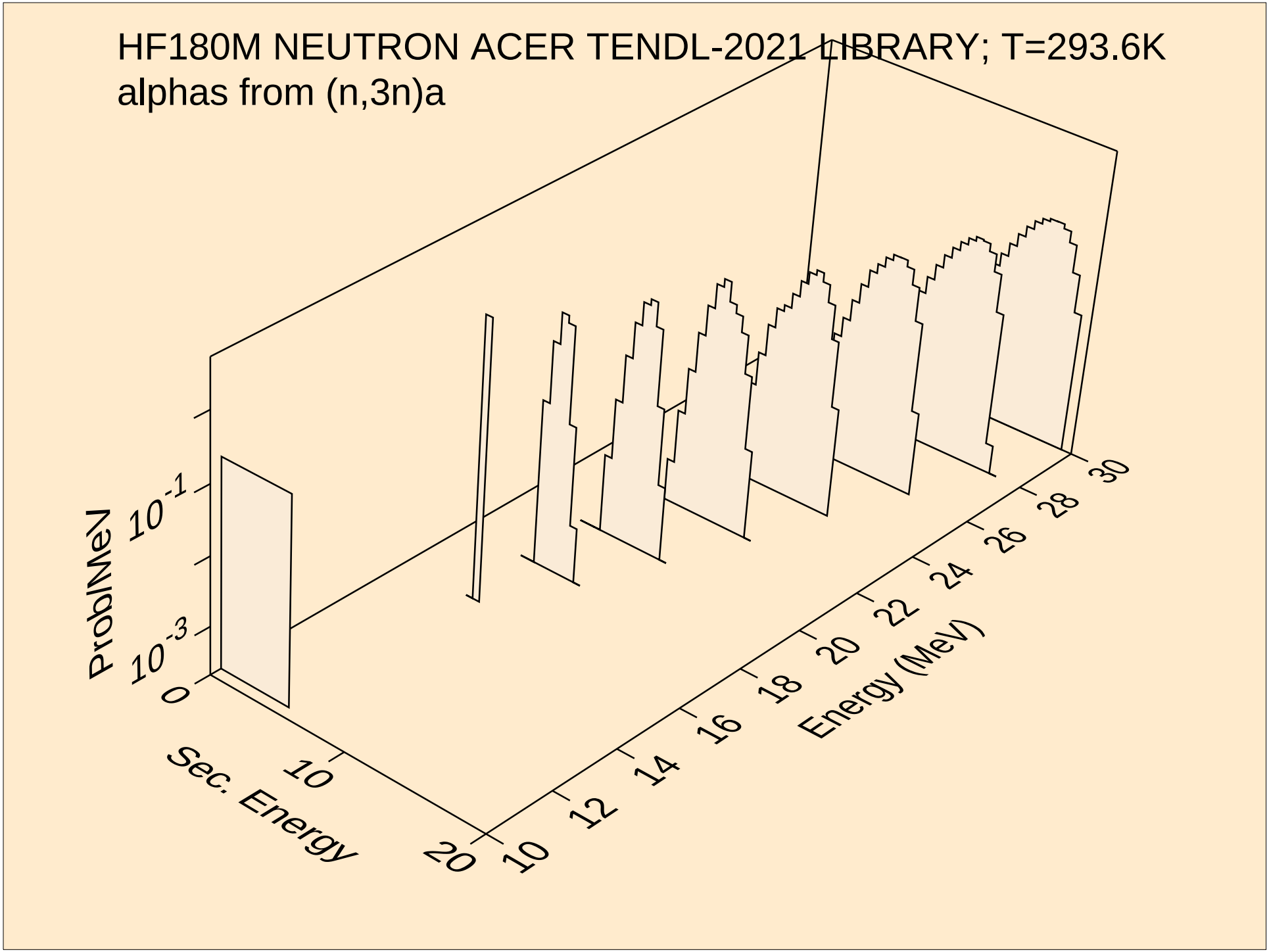

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,n*)he3
Prob/MeV
10^0
10^-2
0
Sec. Energy
0
10
20
Energy (MeV)
12
14
16
18
20
22
24
26
28
30

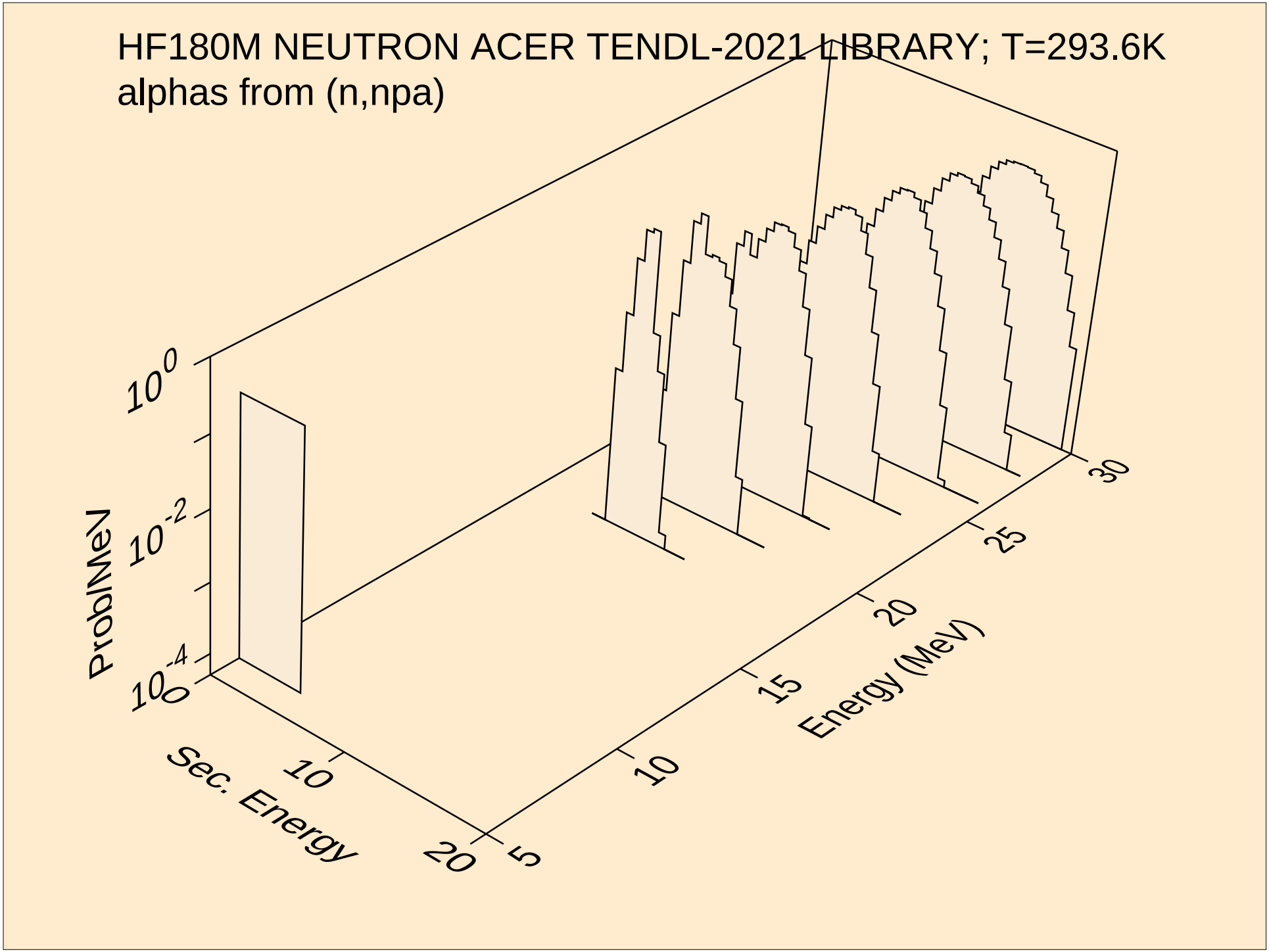

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,he3)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
5
10
15
20
25
30
Energy (MeV)

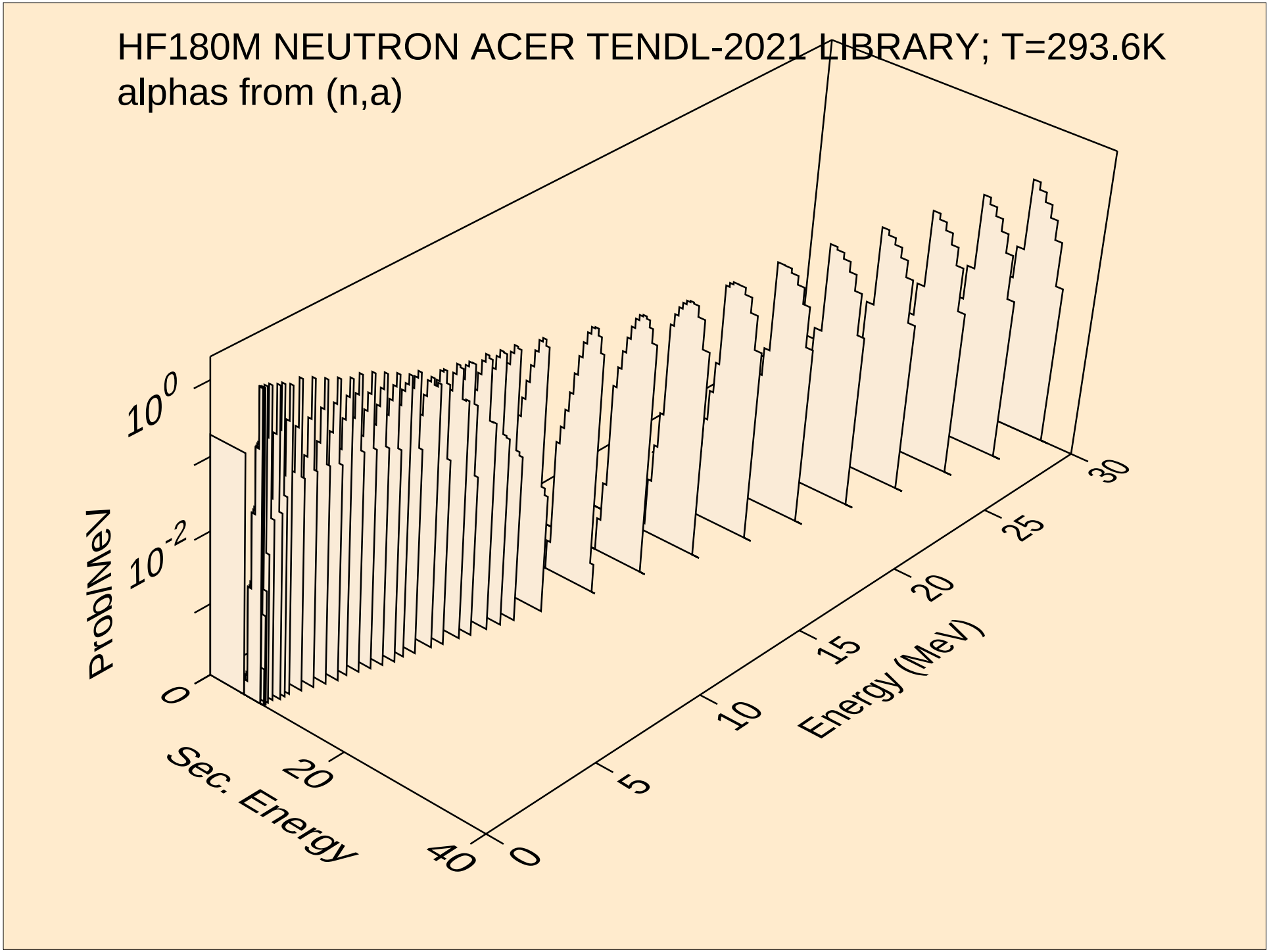

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

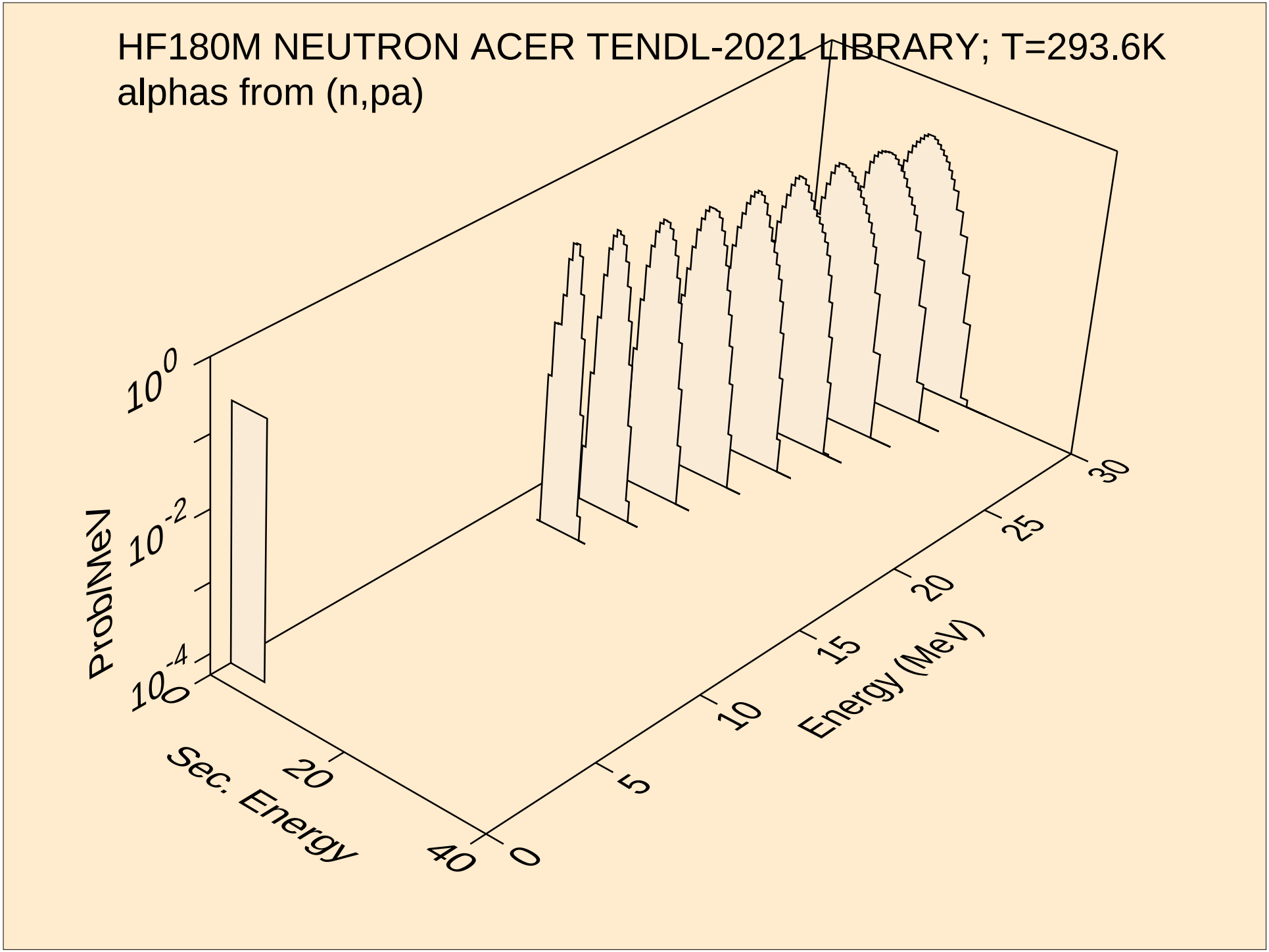

HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)a
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2n)a
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,3n)a
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30


HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,npa)
Prob/MeV
10^0
10^-2
10^-4
0
10
20
Sec. Energy
5
10
15
20
25
30
Energy (MeV)


HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,a)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


HF180M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,pa)
Prob/MeV
10^{0}
10^{-2}
10^{-4}
0
20
40
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)