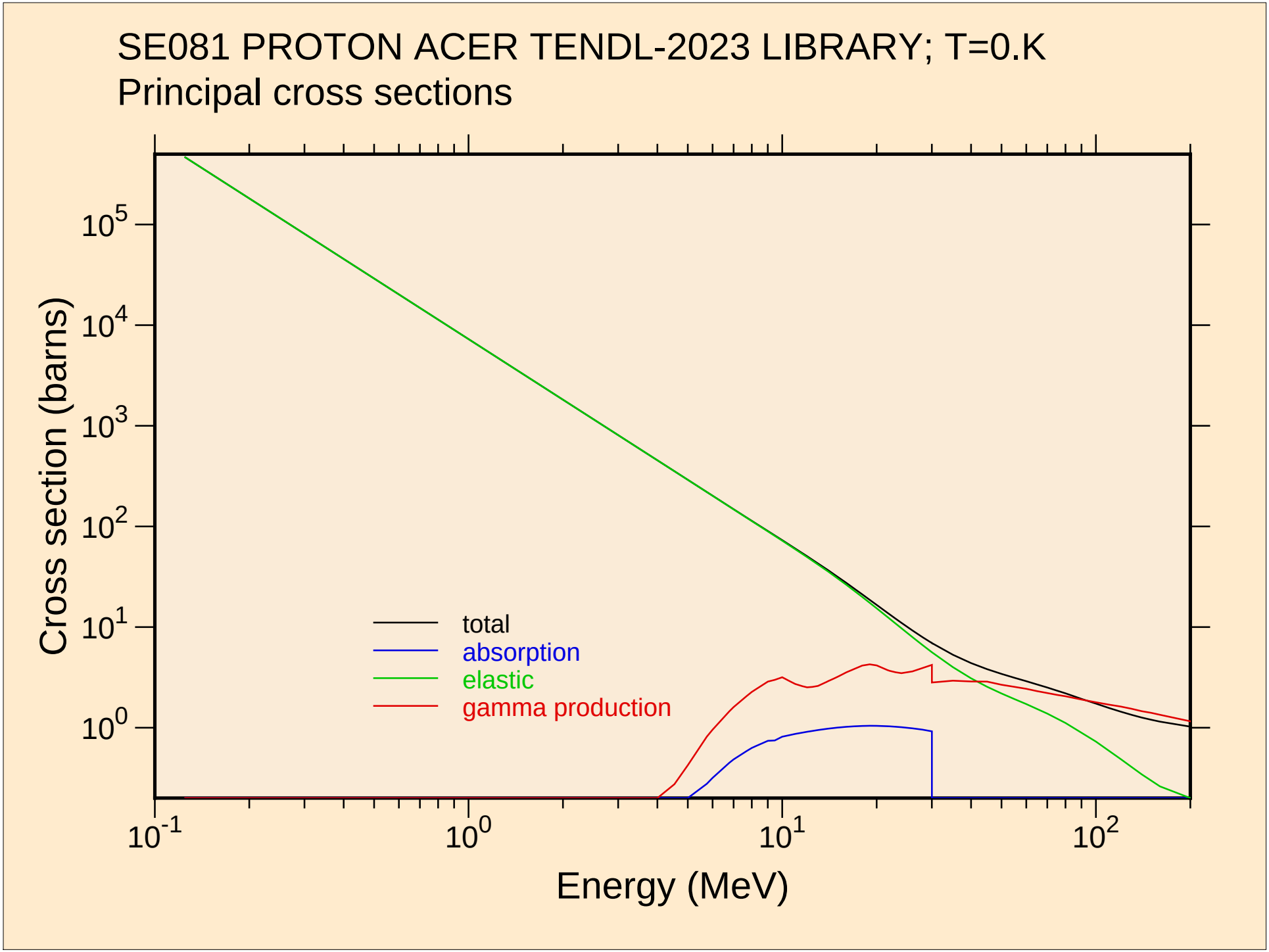
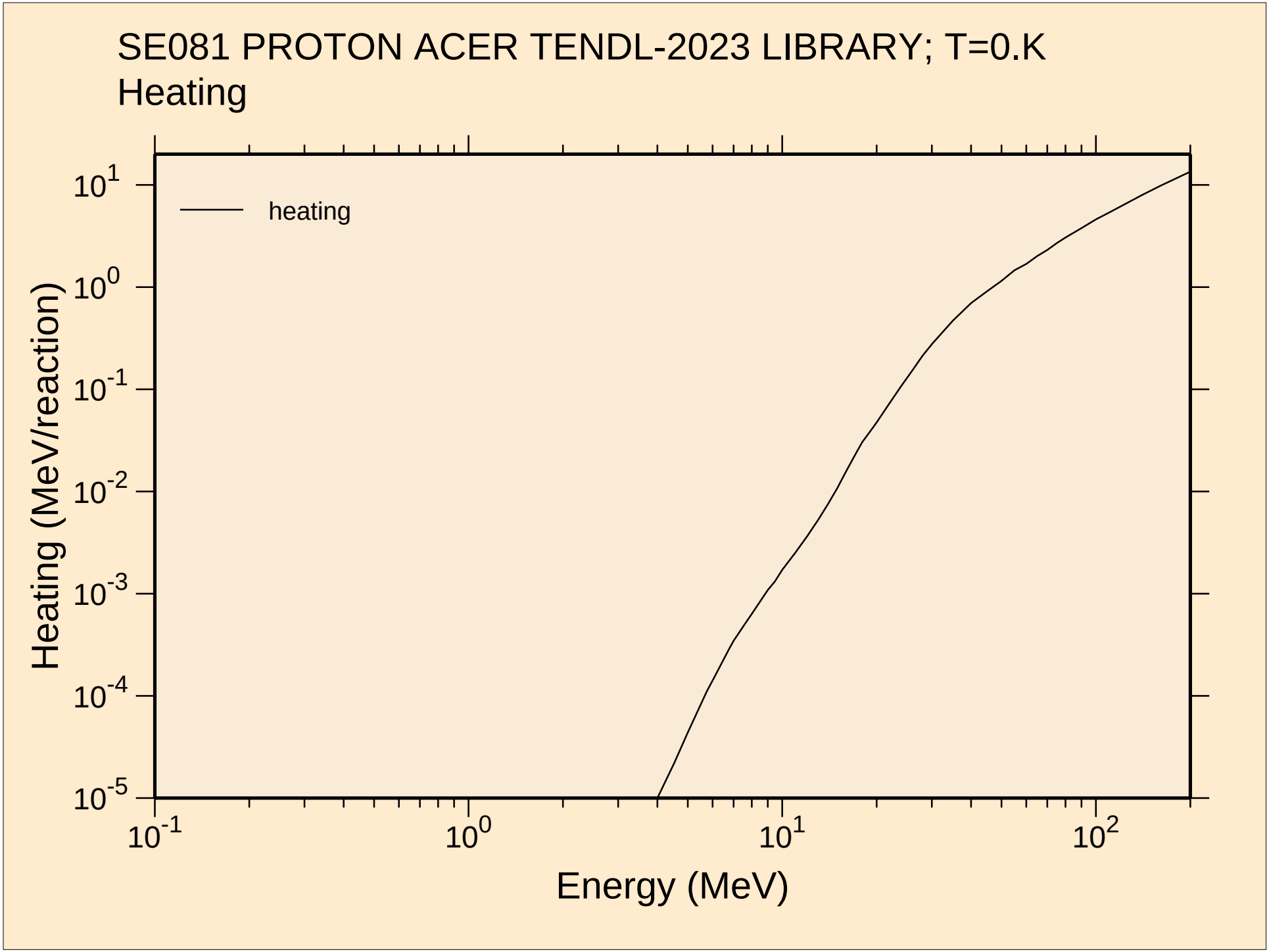
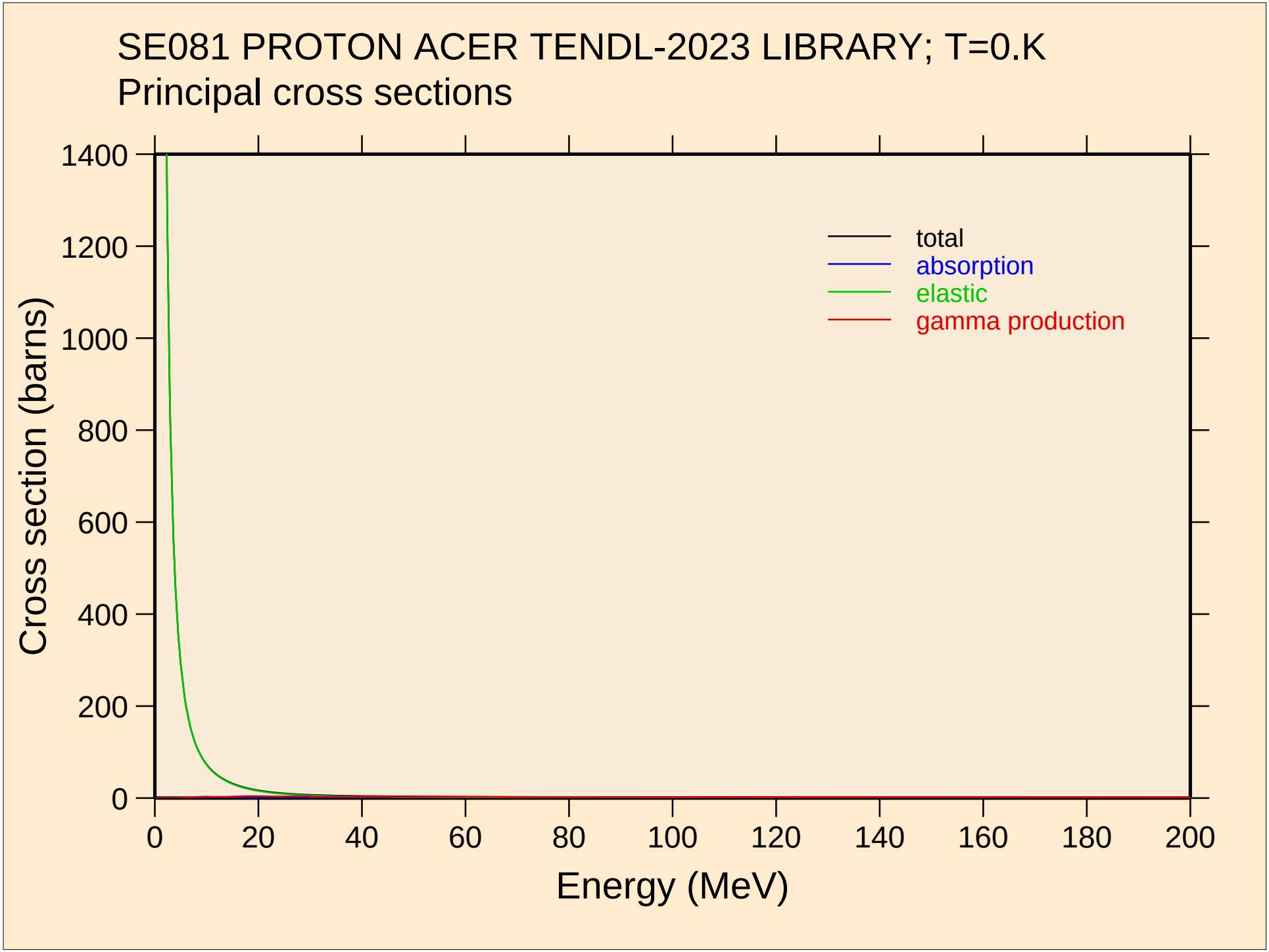
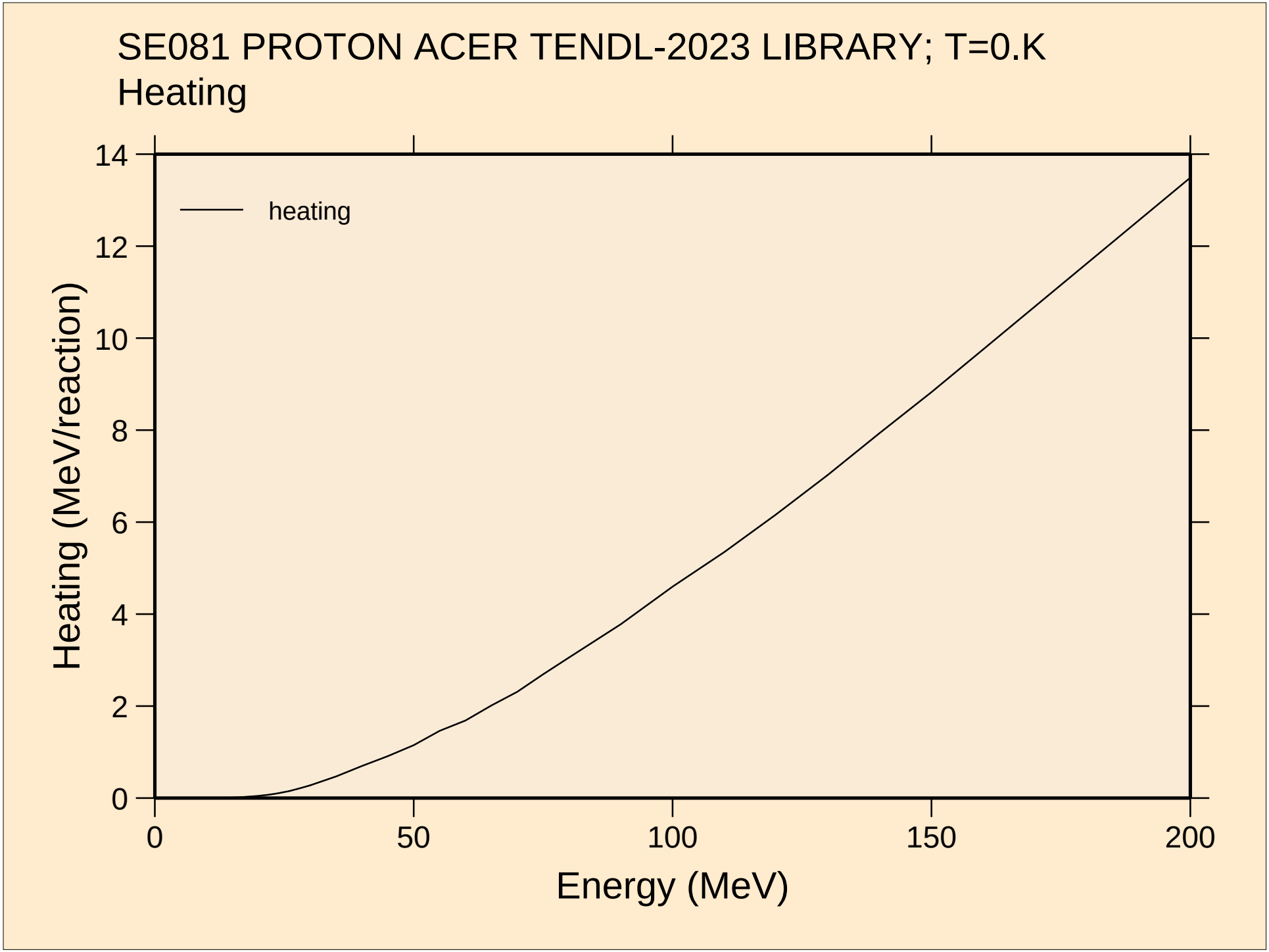
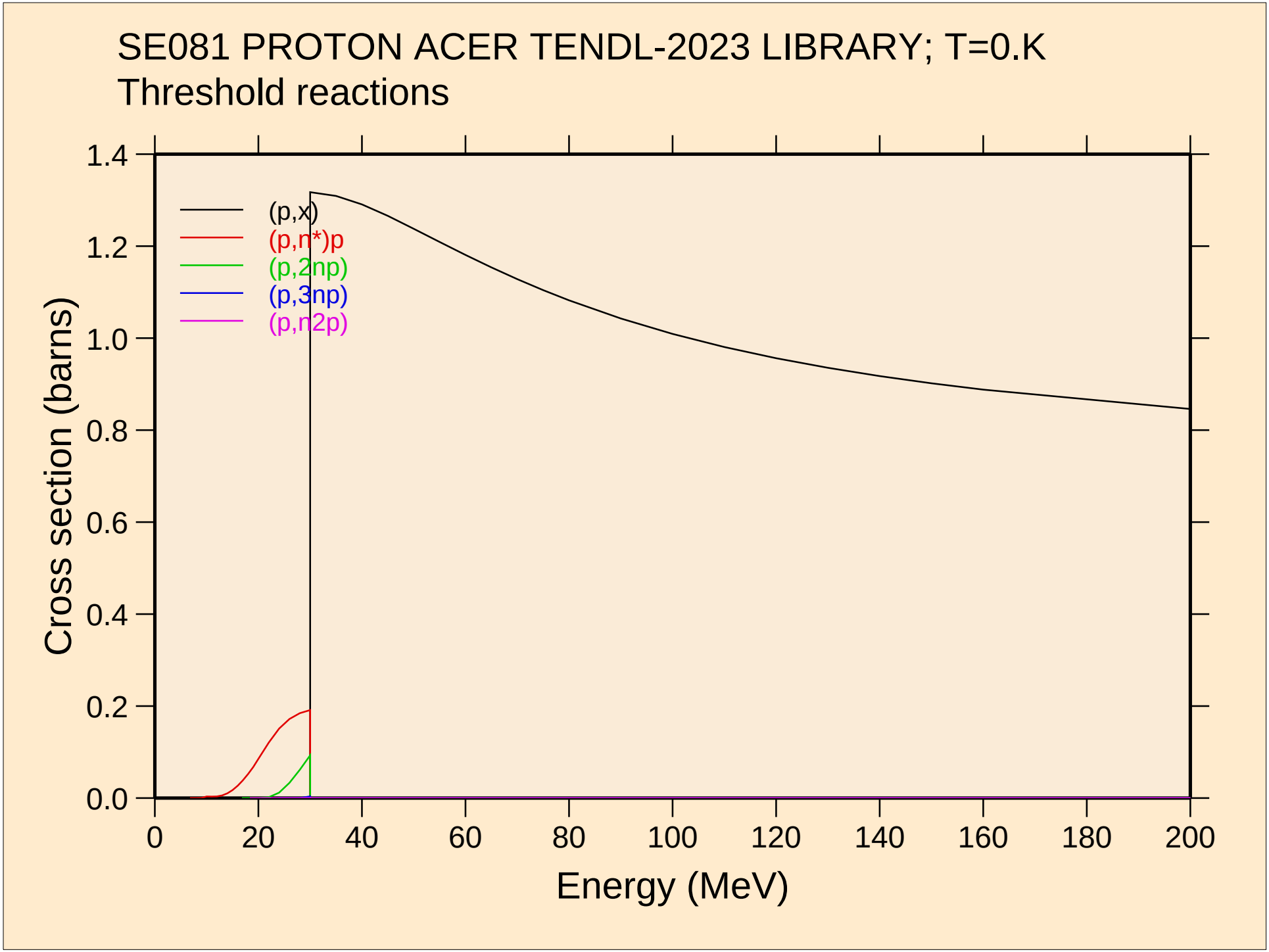
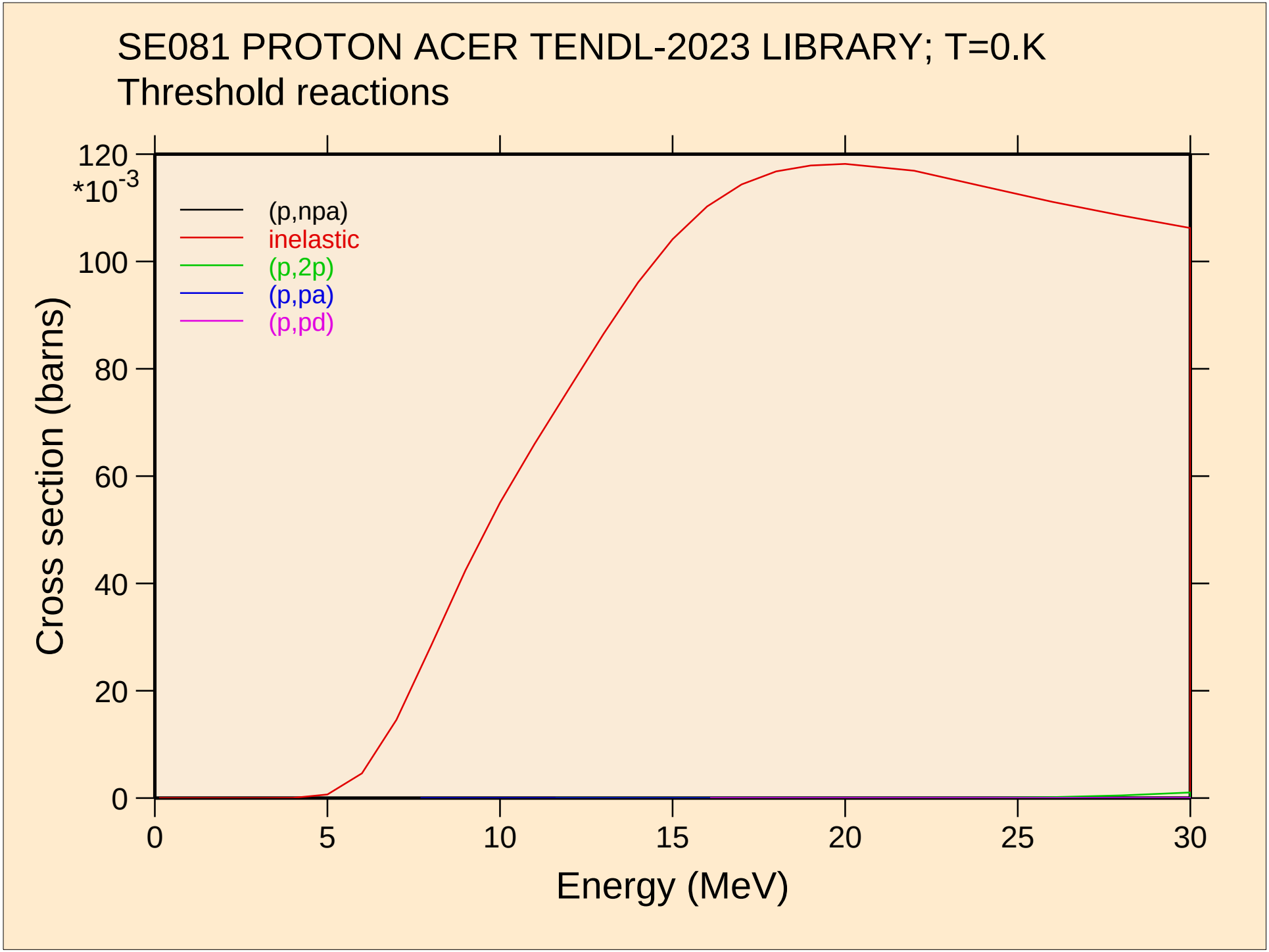

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
$10^5$
$10^4$
$10^3$
$10^2$
$10^1$
$10^0$
total
absorption
elastic
gamma production
$10^{-1}$
$10^0$
$10^1$
$10^2$
Energy (MeV)

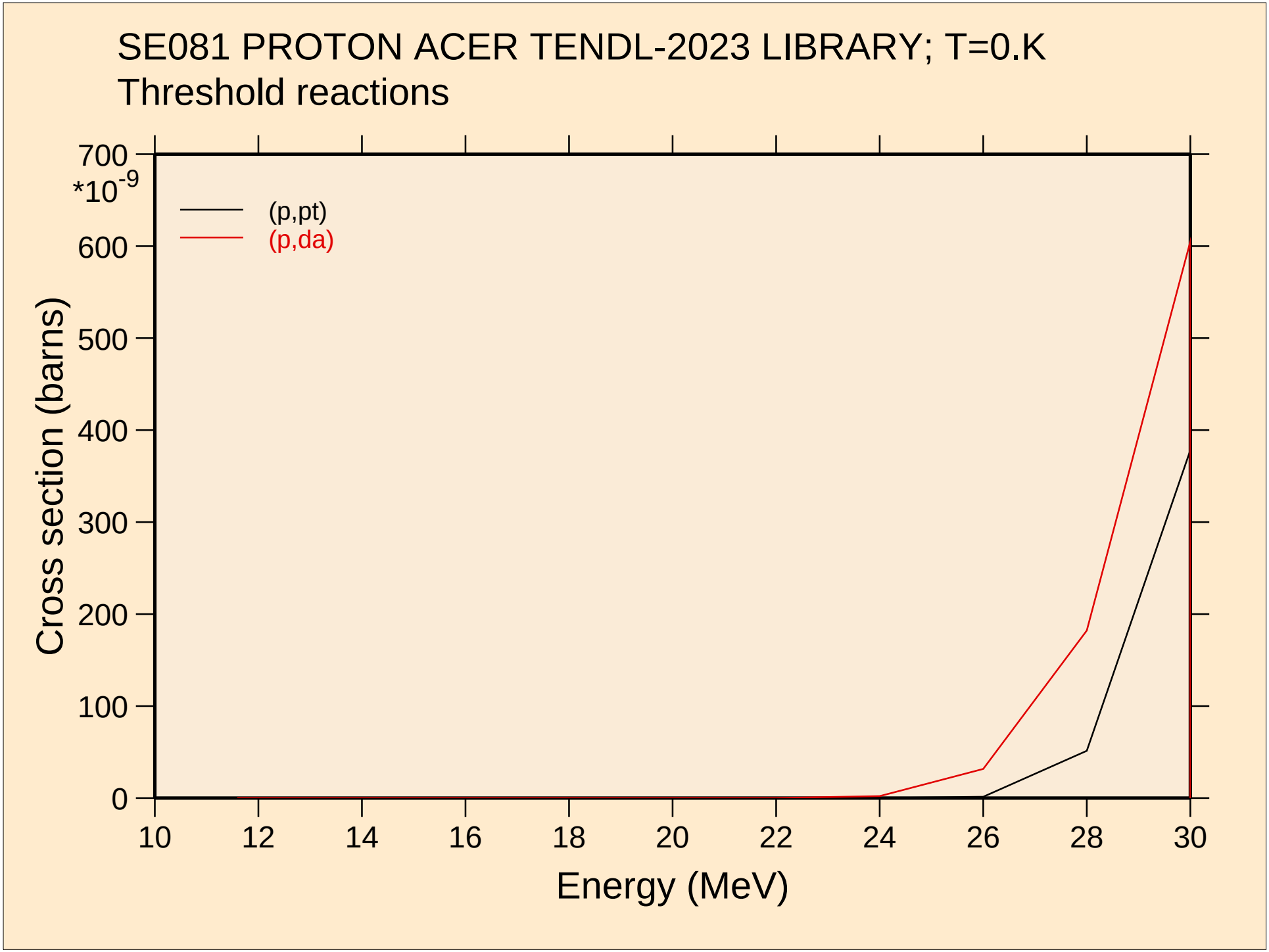

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-1
10^0
10^1
10^2

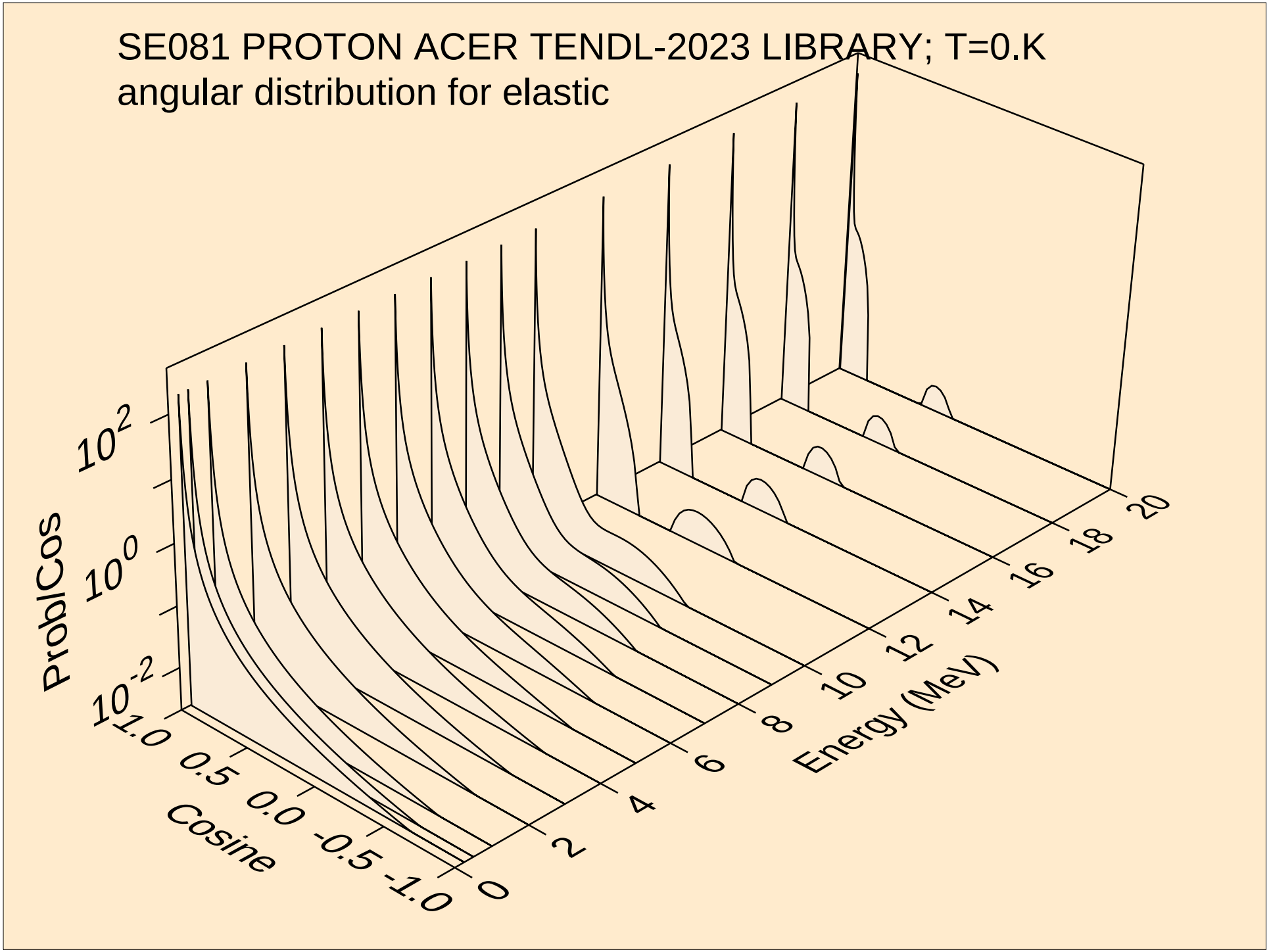

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)
total
absorption
elastic
gamma production

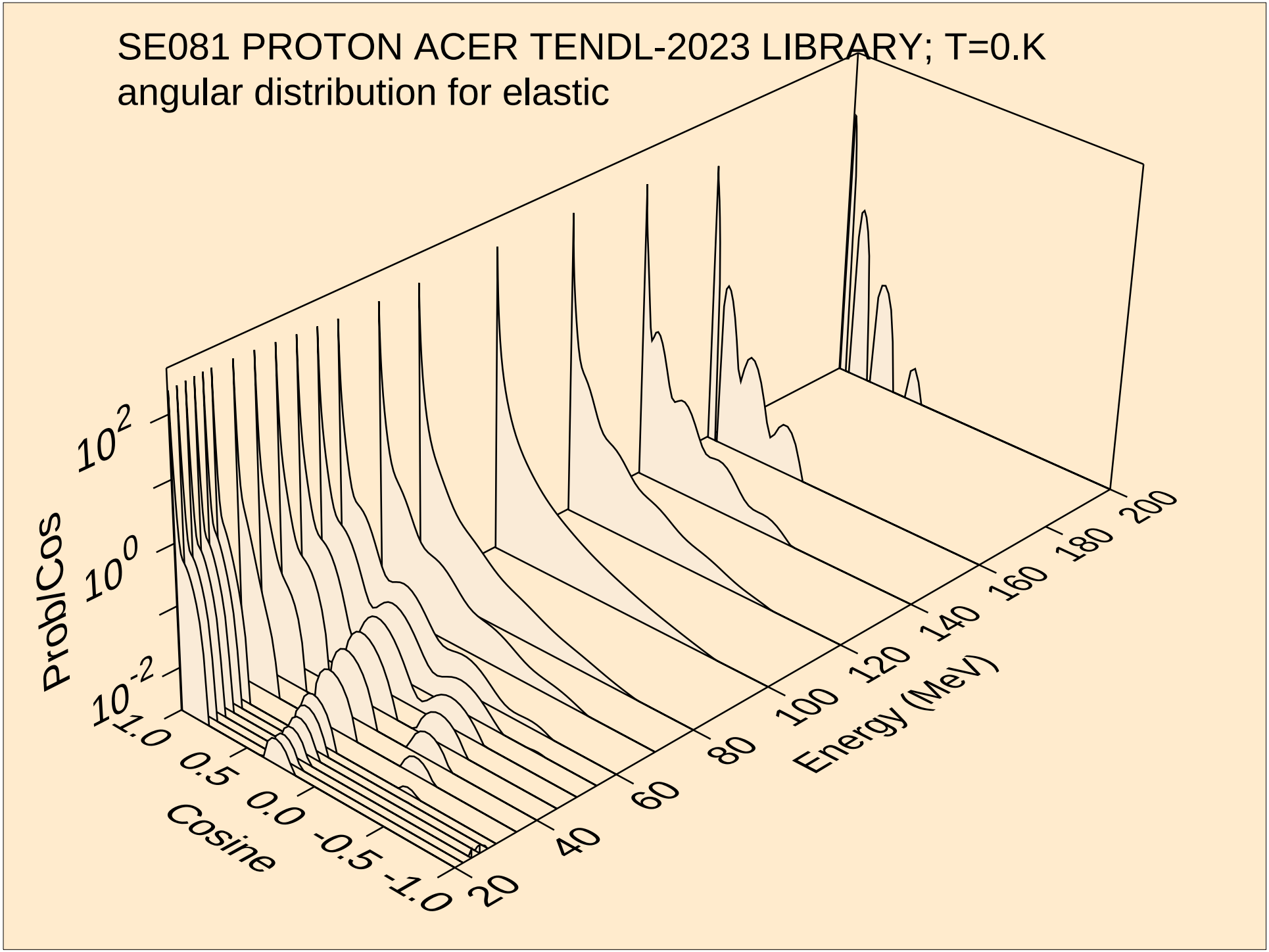

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
2
4
6
8
10
12
14
0
50
100
150
200

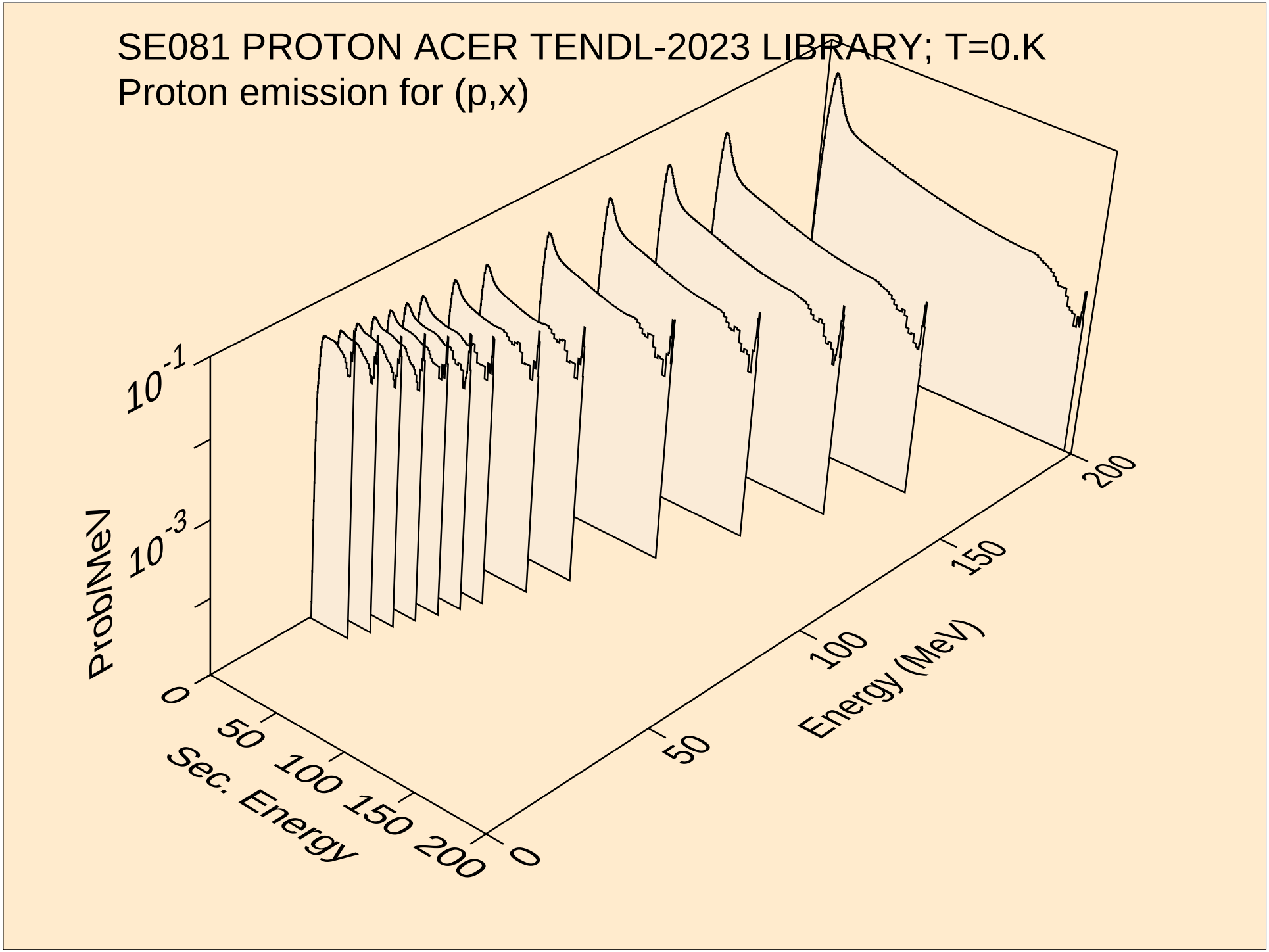

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions
(p,x)
(p,n*)p
(p,2np)
(p,3np)
(p,n2p)
Cross section (barns)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
20
40
60
80
100
120
140
160
180
200

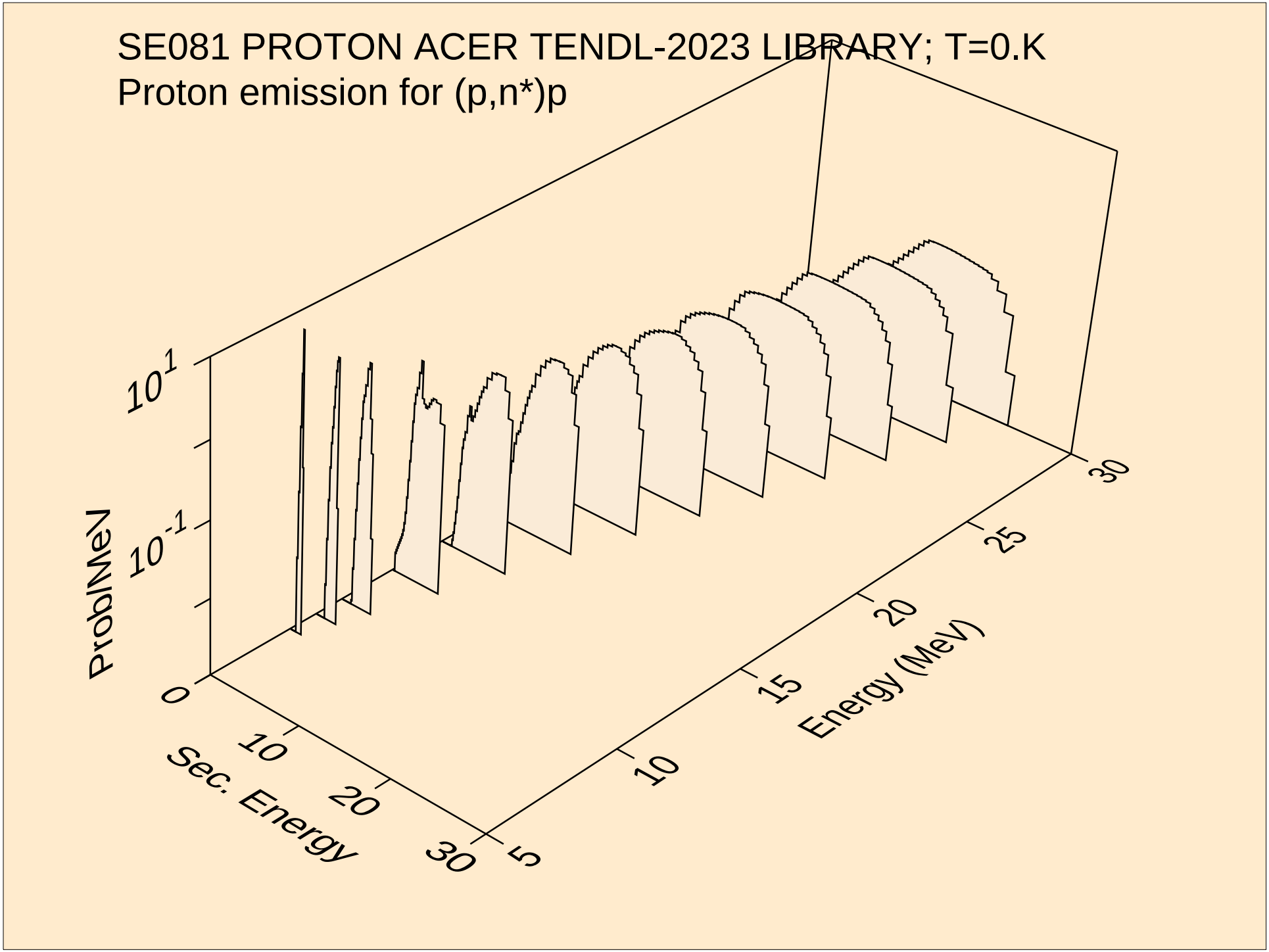

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions
120
*10-3
100
80
60
40
20
0
Cross section (barns)
(p,npa)
inelastic
(p,2p)
(p,pa)
(p,pd)
0
5
10
15
20
25
30
Energy (MeV)

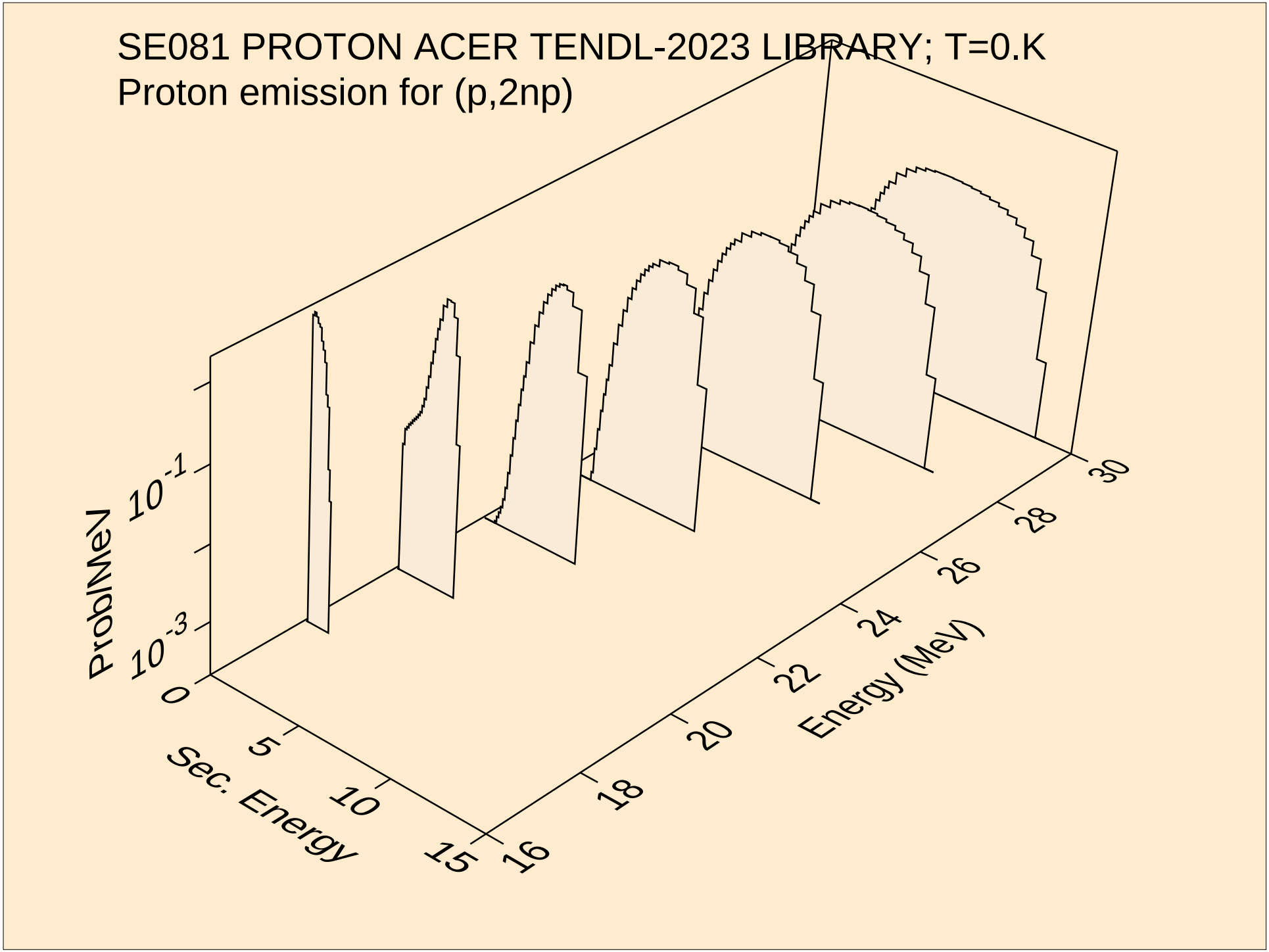

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions
700
*10-9
600
500
400
300
200
100
0
(p,pt)
(p,da)
Cross section (barns)
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

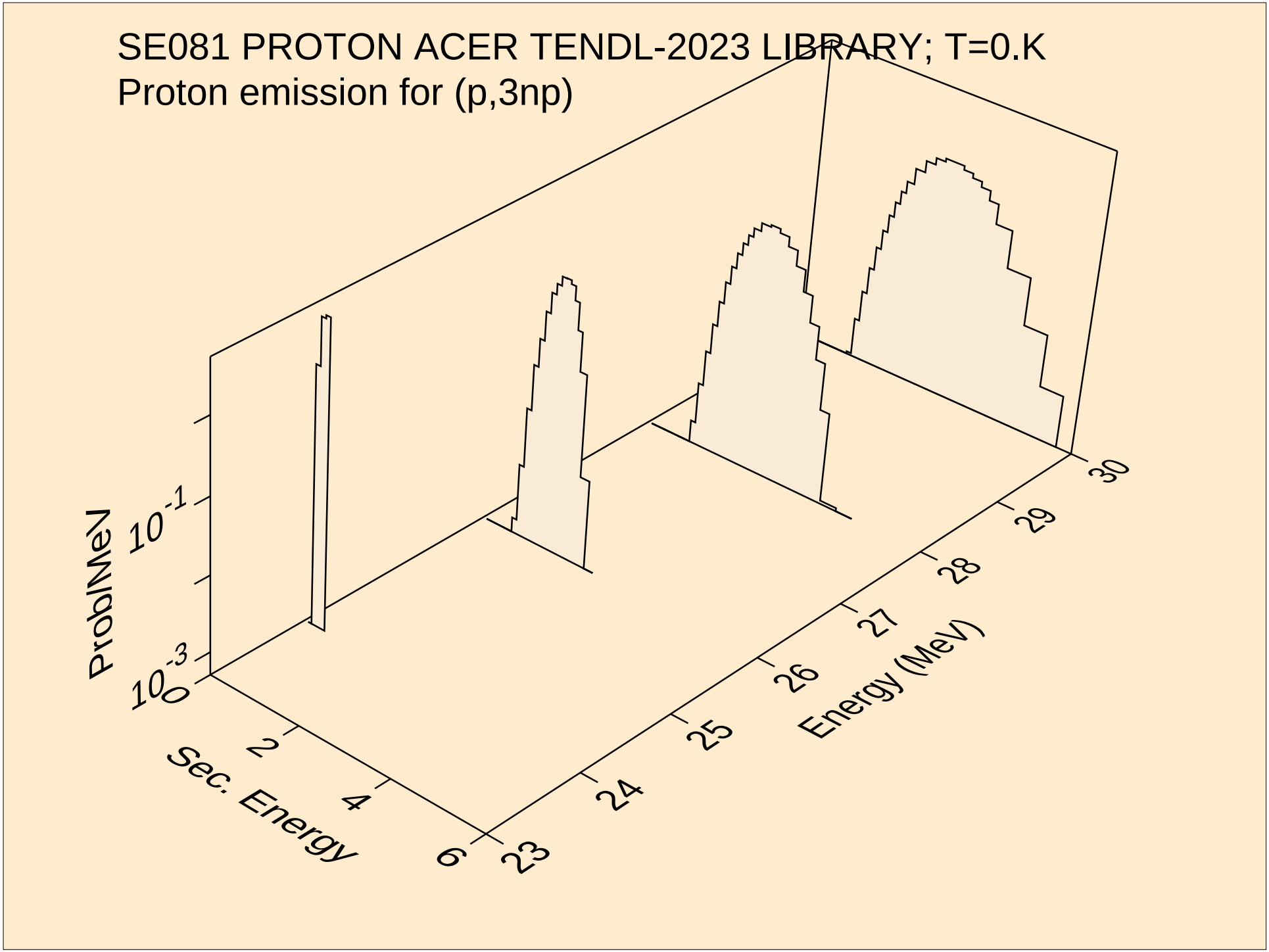

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic
ProbICos
$10^{2}$
$10^{0}$
$10^{-2}$
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

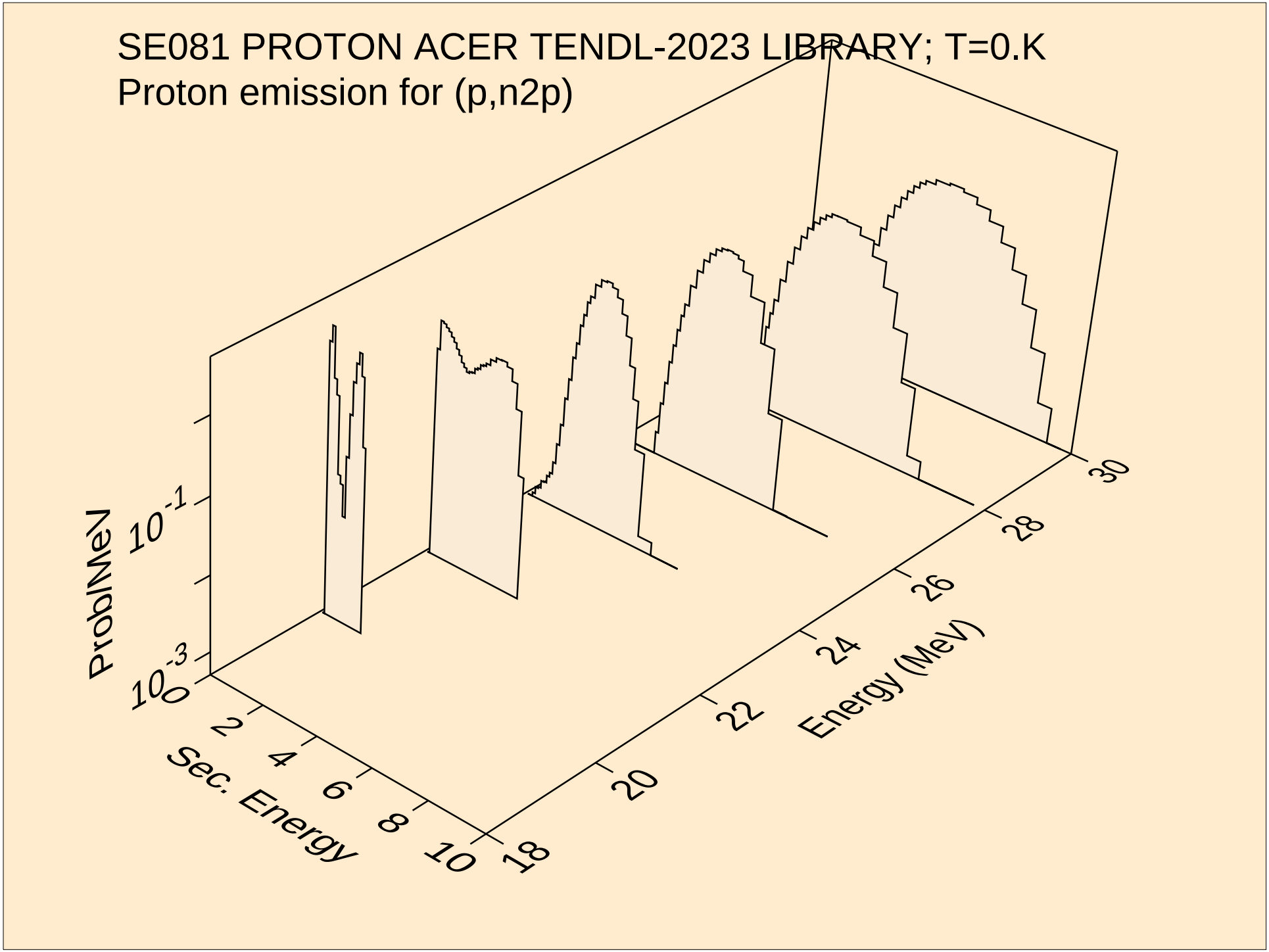

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic
ProbICos
$10^{2}$
$10^{0}$
$10^{-2}$
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

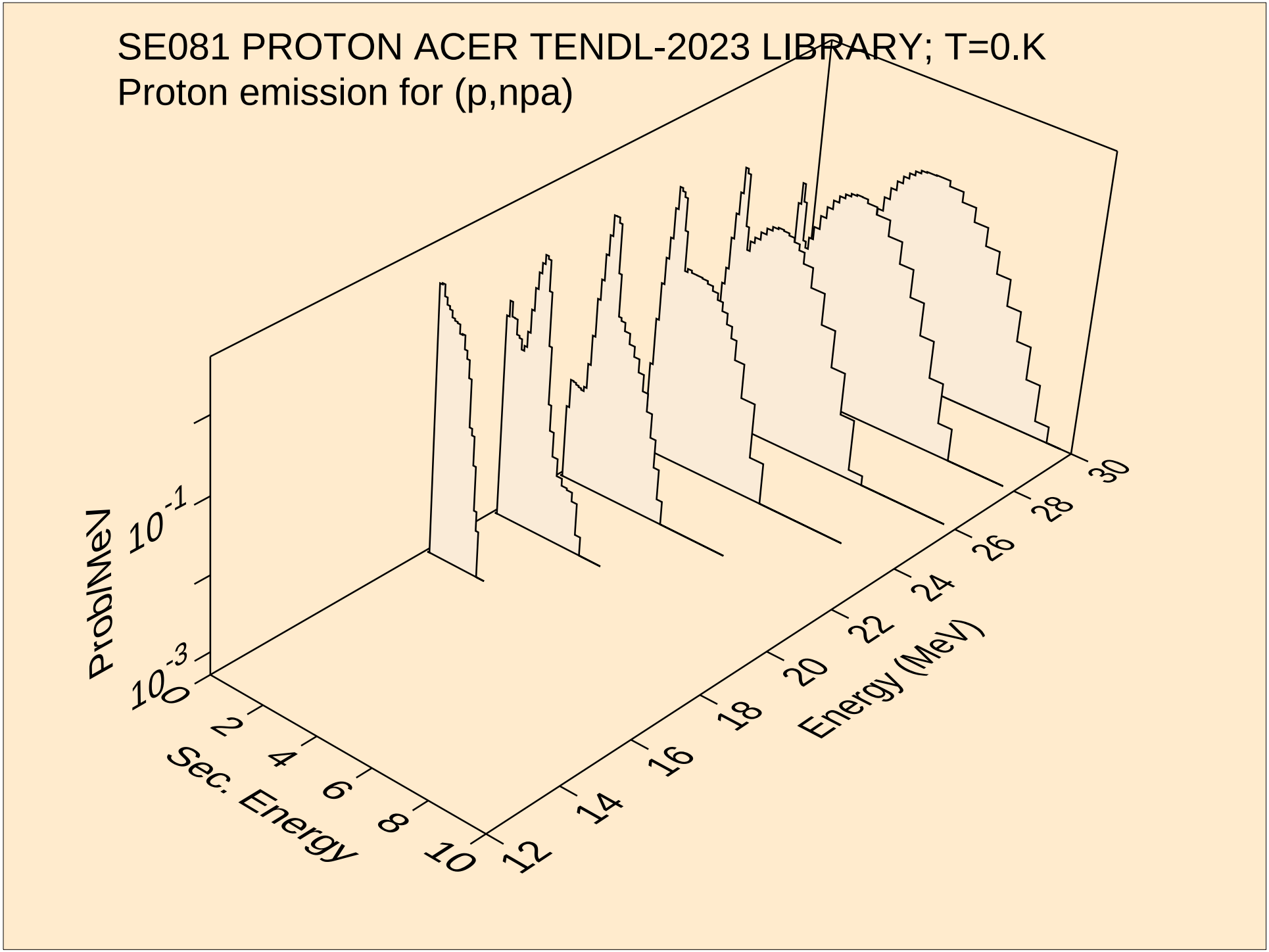

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)
Prob/MeV
10-1
10-3
0
50
100
150
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

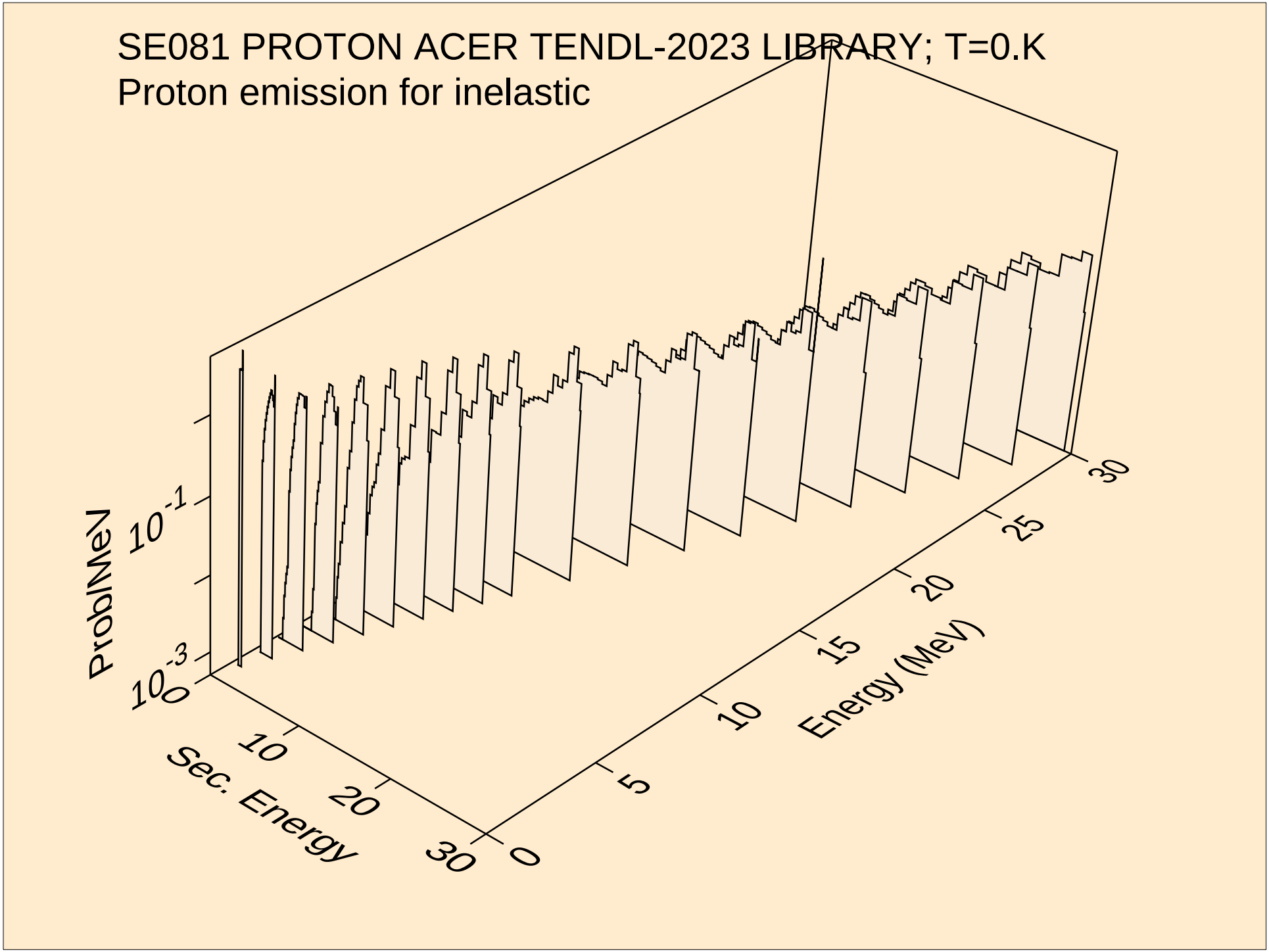

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n*)p
Prob/MeV
10^1
10^-1
0
10
20
30
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

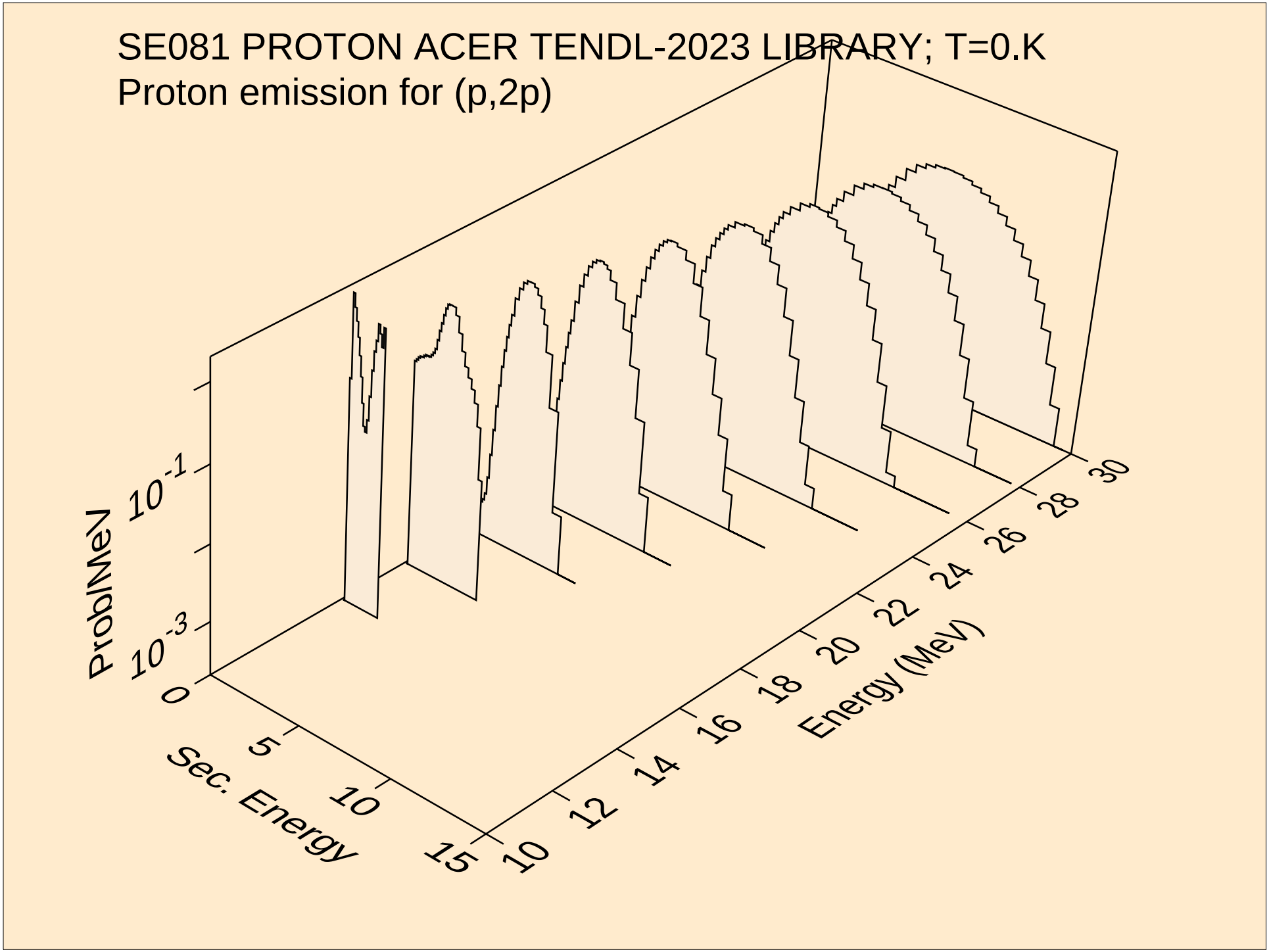

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
15
16
18
20
22
24
26
28
30
Energy (MeV)

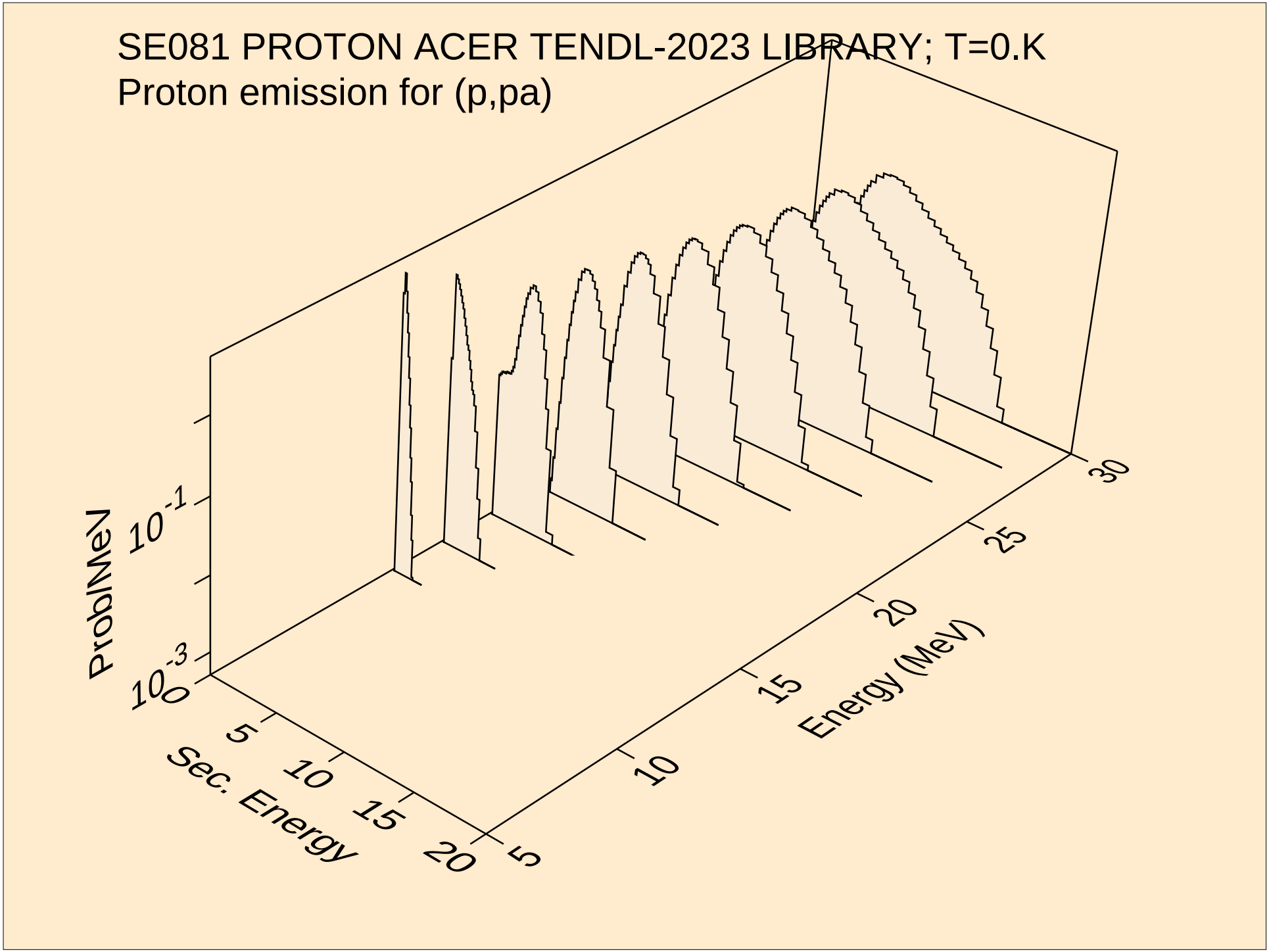

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,3np)
Prob/MeV
10-1
10-3
0
2
4
6
Sec. Energy
23
24
25
26
27
28
29
30
Energy (MeV)

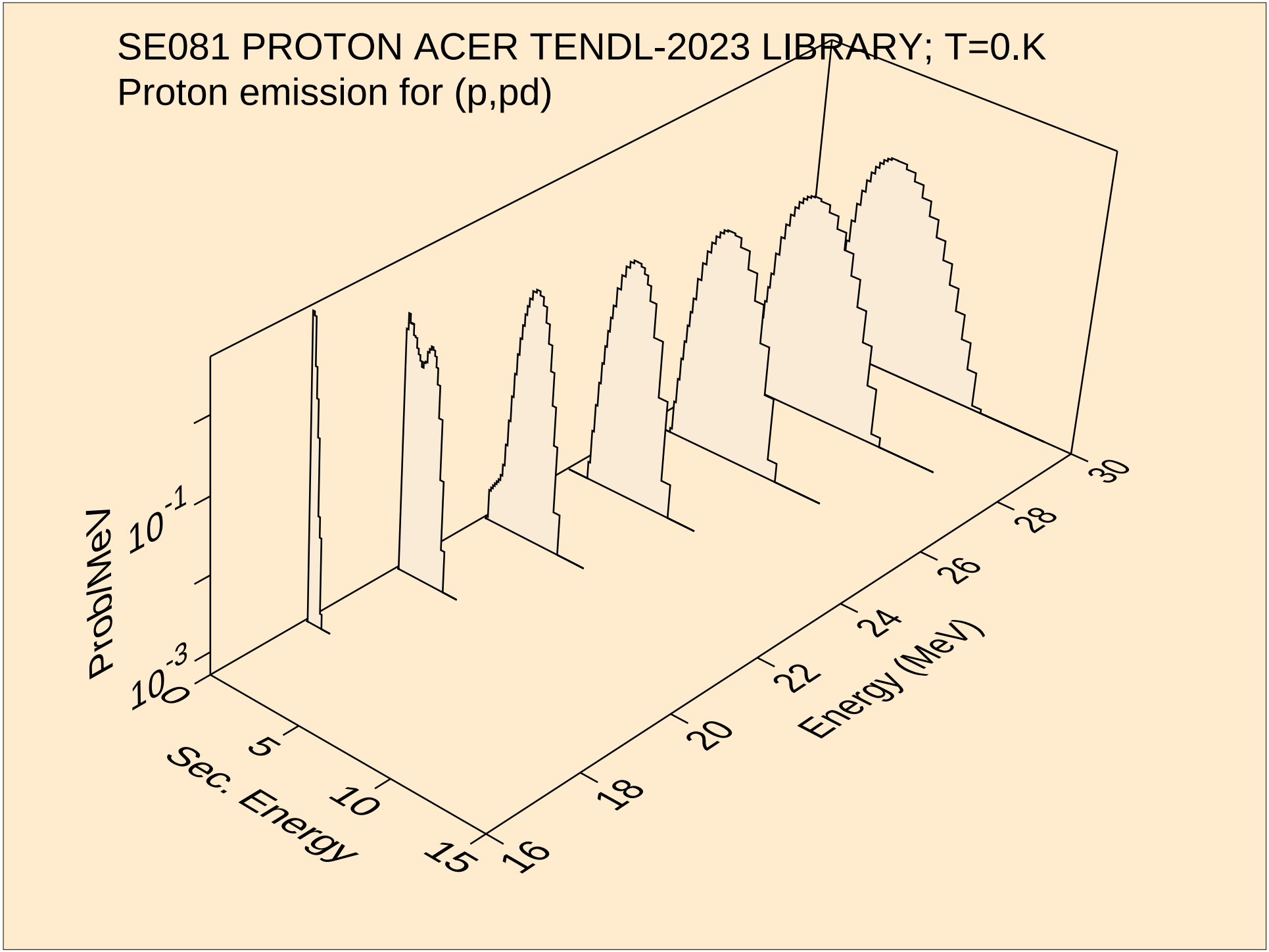

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n2p)
Prob/MeV
10-1
10-3
0
2
4
6
8
10
Sec. Energy
18
20
22
24
26
28
30
Energy (MeV)

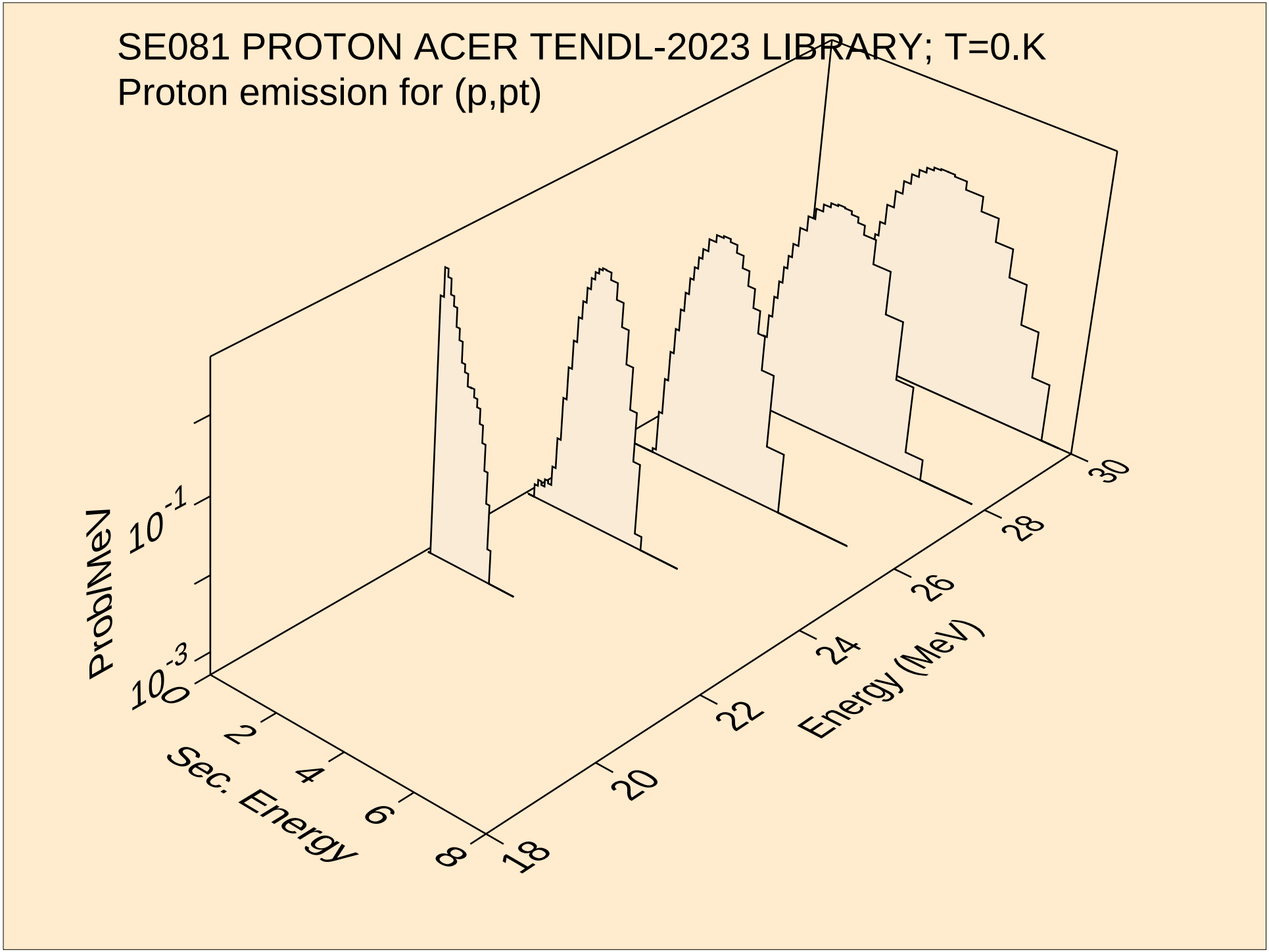

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)
Prob/MeV
10-1
10-3
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

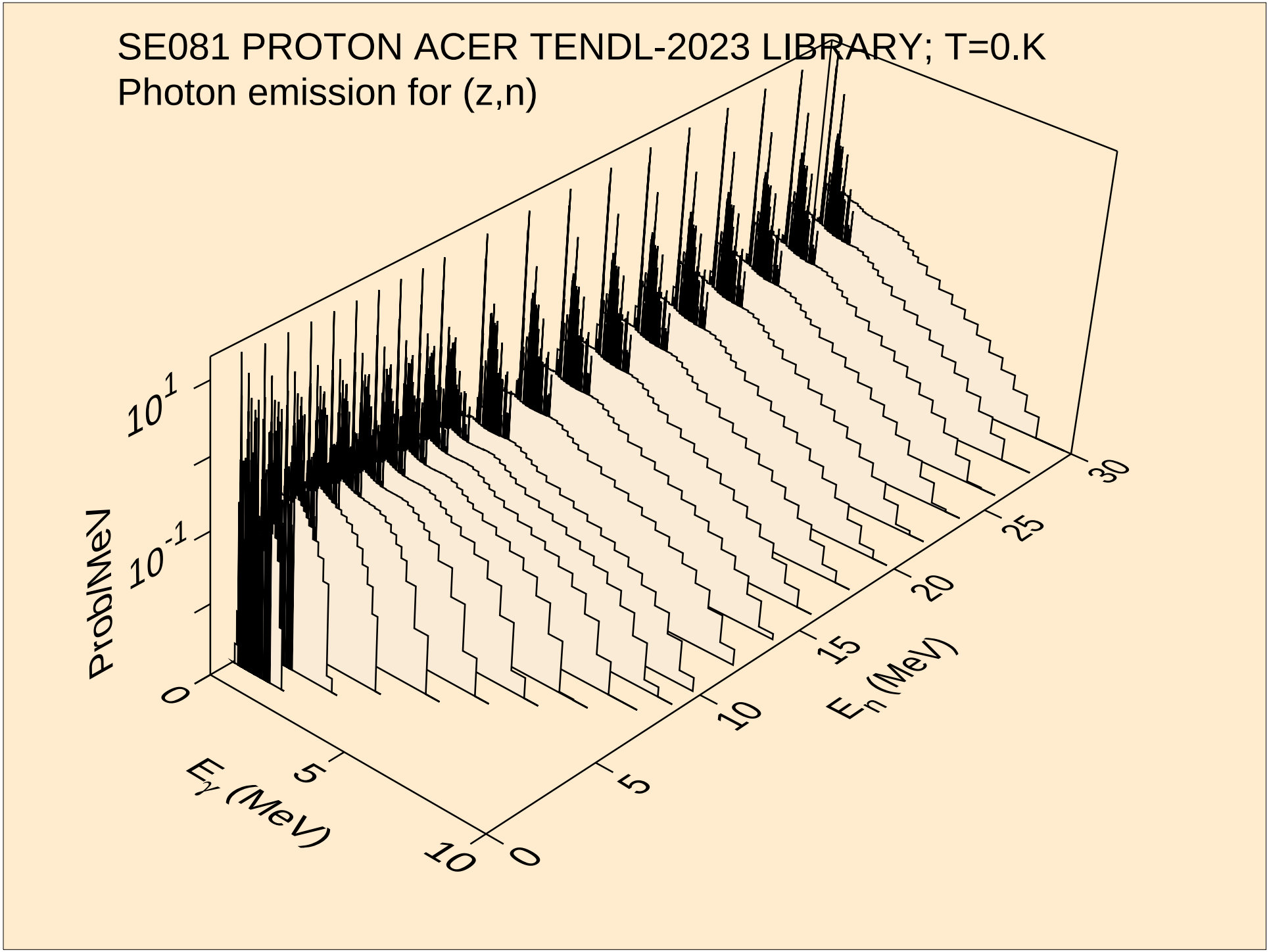

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic
Prob/MeV
10-1
10-3
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)

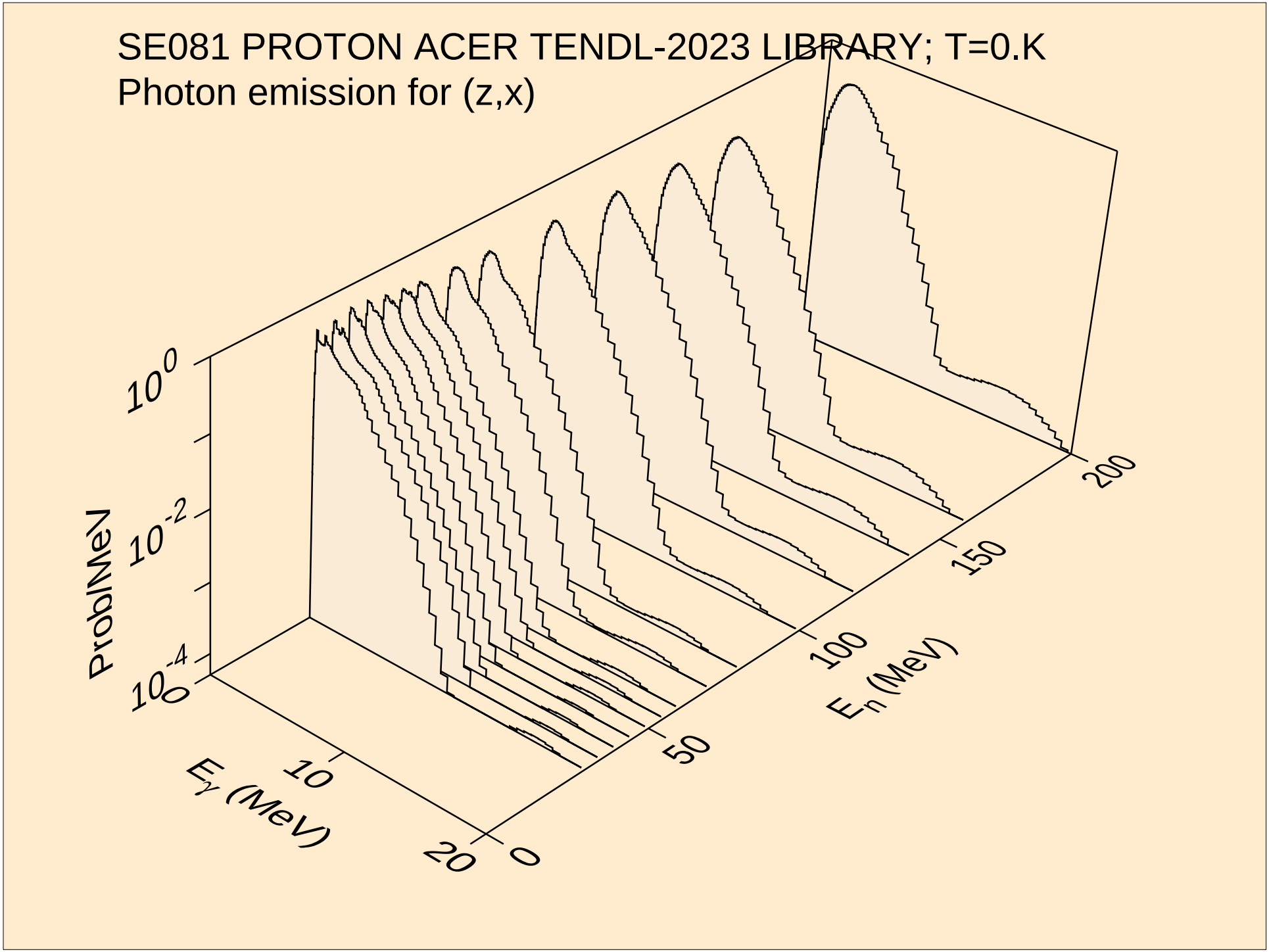

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2p)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
15
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

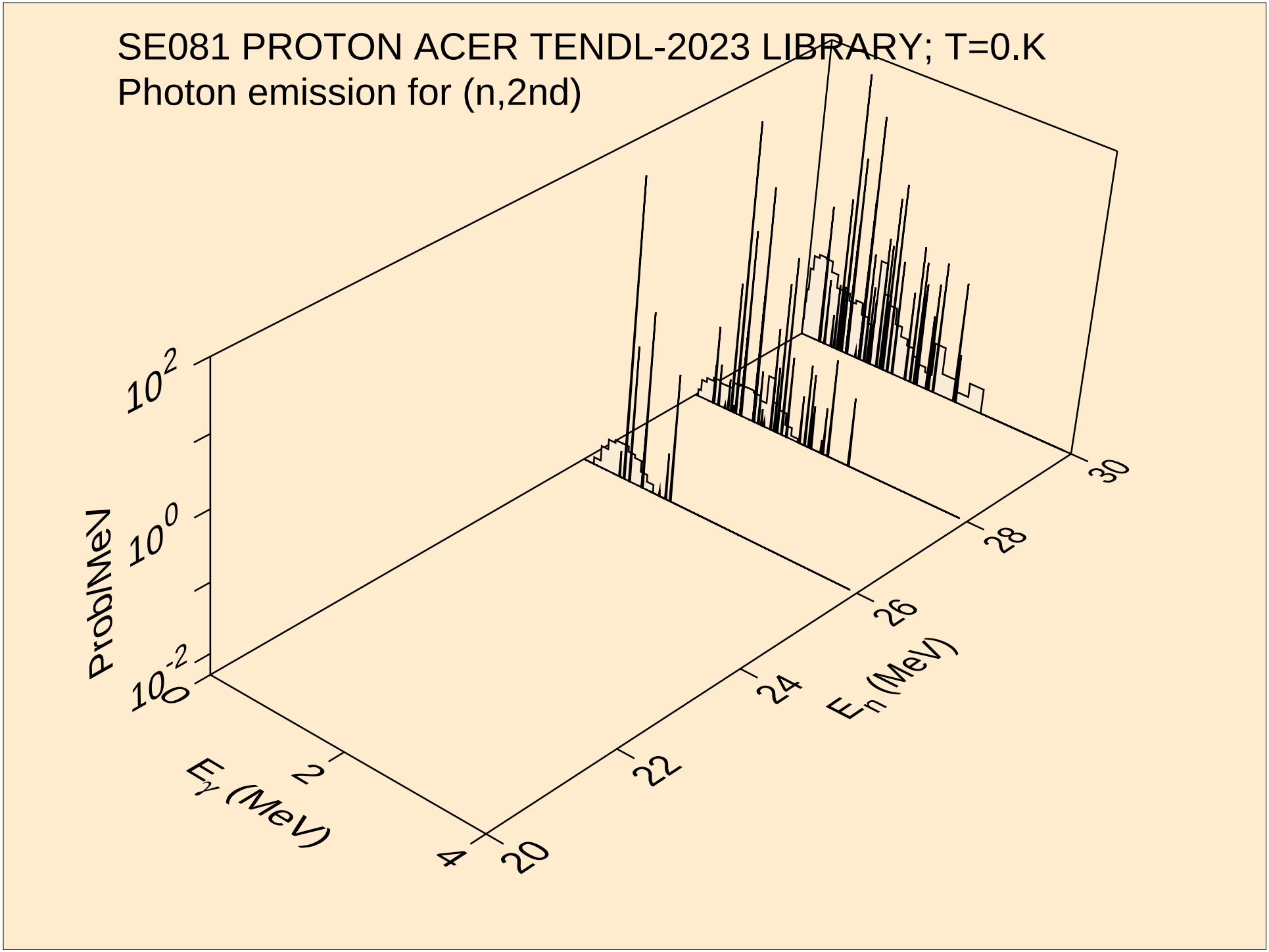

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pa)
Prob/MeV
10-1
10-3
0
5
10
15
20
Sec. Energy
5
10
15
20
25
30
Energy (MeV)

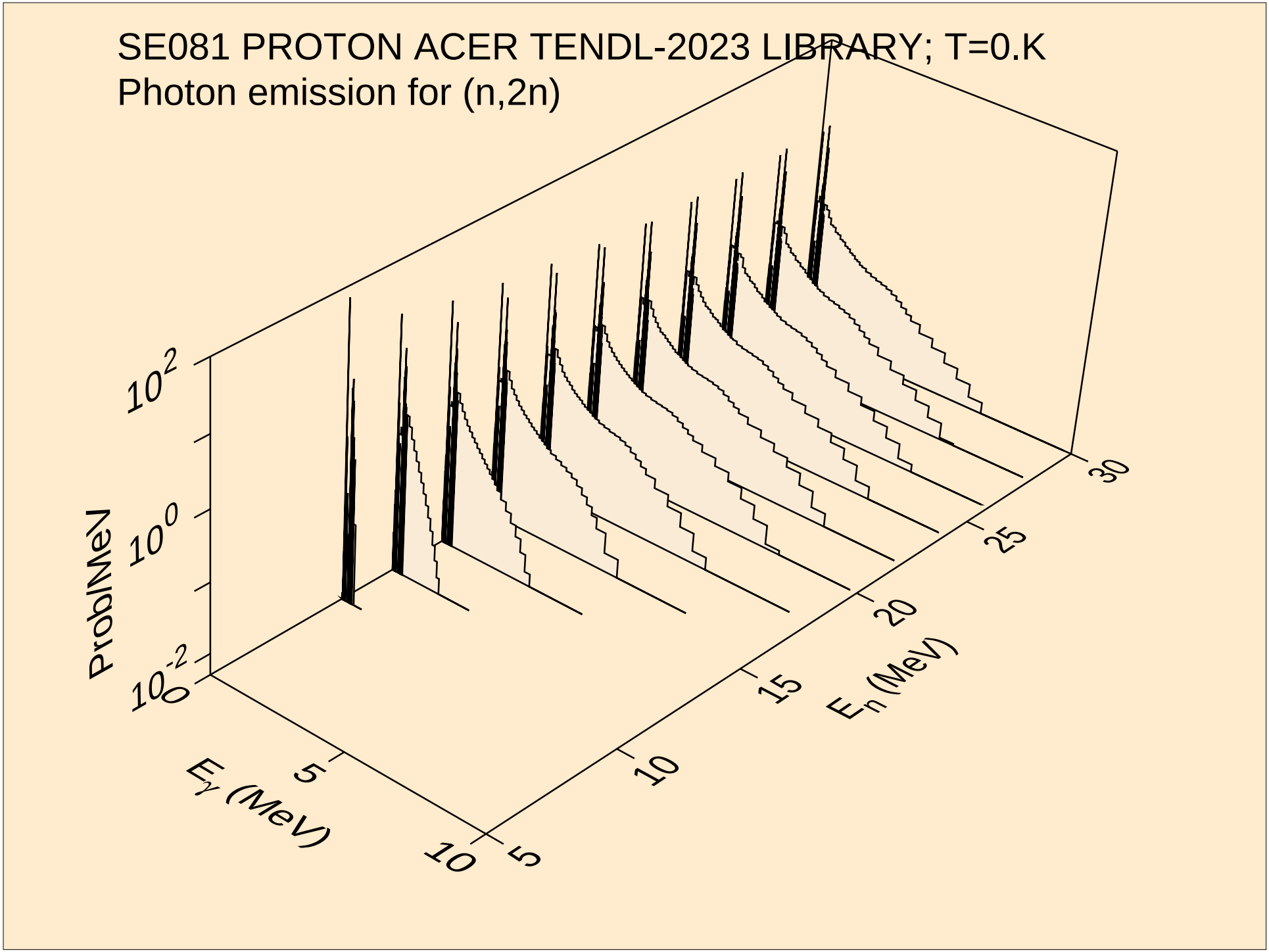

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pd)
Prob/MeV
10-1
10-3
0
5
10
15
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

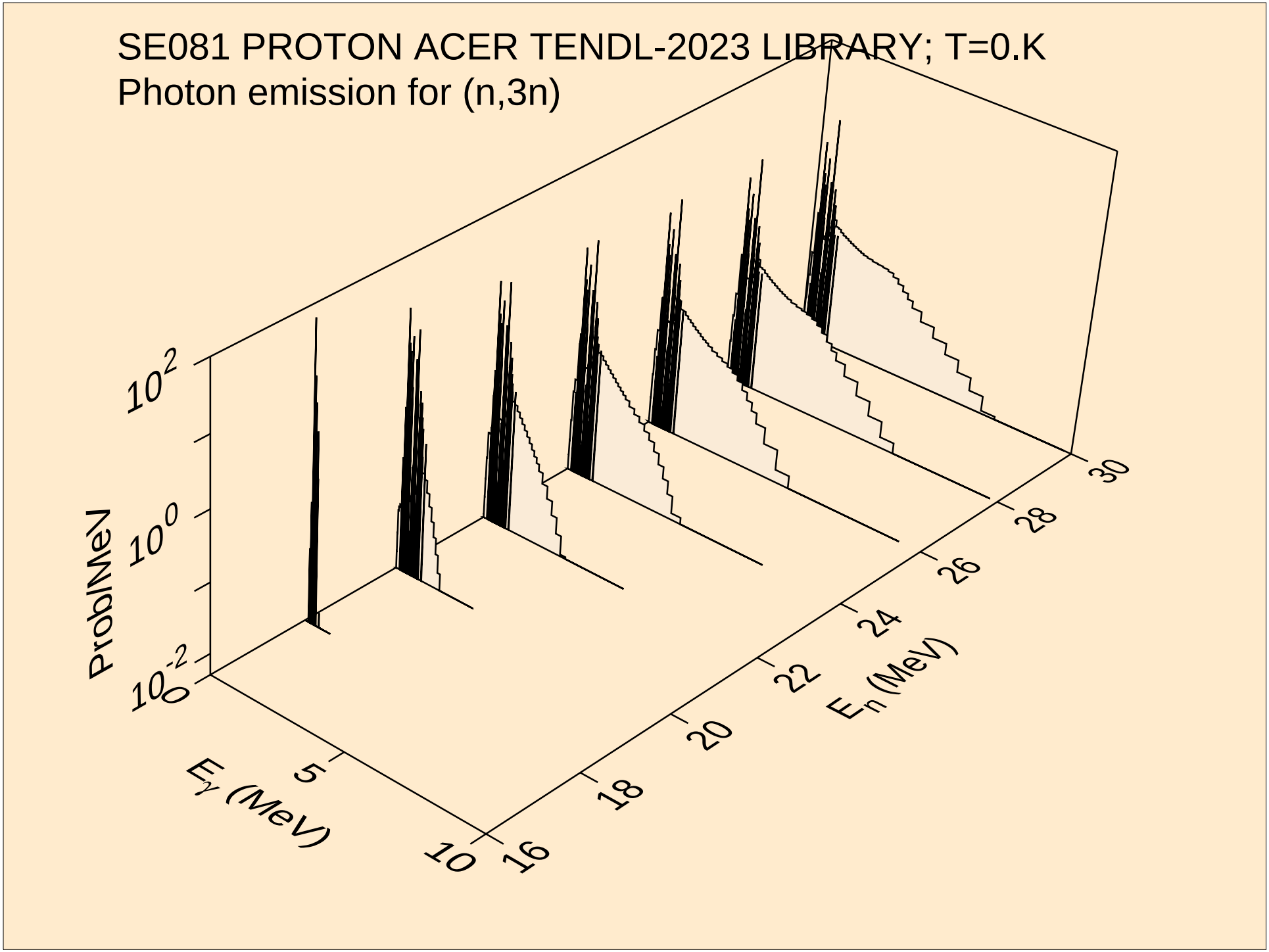

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pt)
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
18
20
22
24
26
28
30
Energy (MeV)

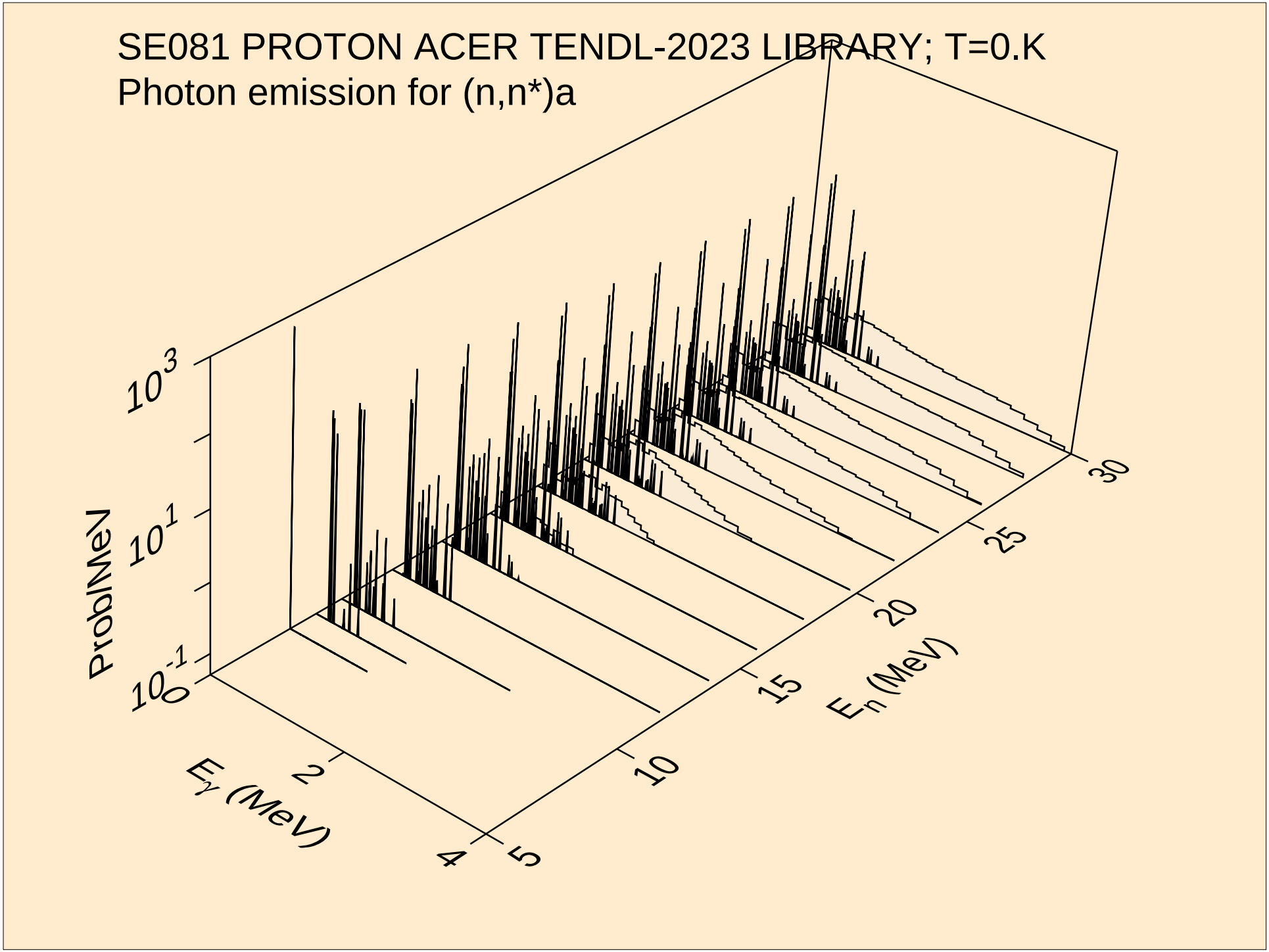

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)
Prob/MeV
$10^{1}$
$10^{-1}$
0
5
10
$E_\gamma$ (MeV)
0
5
10
15
20
25
30
$E_n$ (MeV)

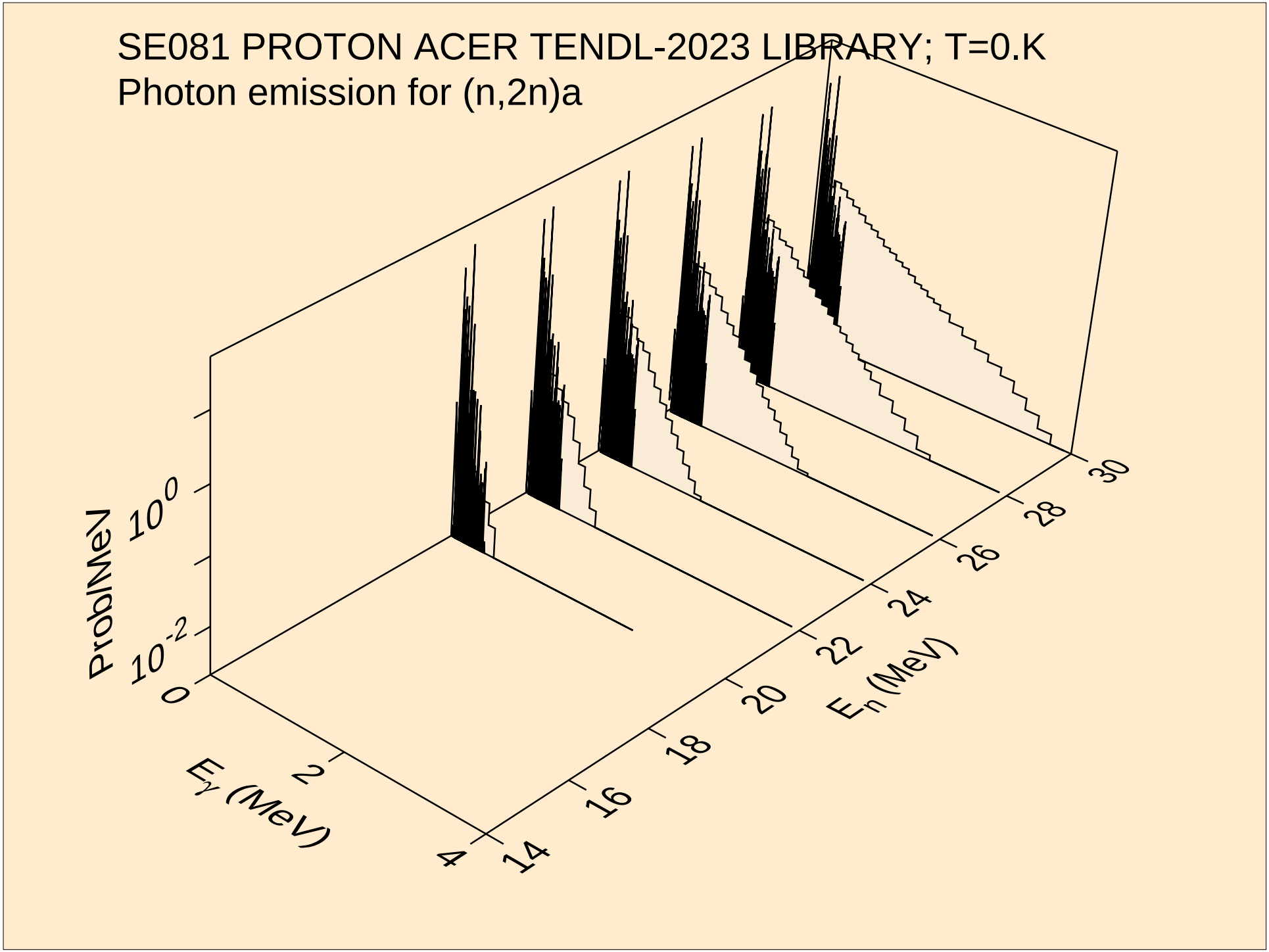

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)
Prob/MeV
$10^{0}$
$10^{-2}$
$10^{-4}$
0
10
20
$E_\gamma$ (MeV)
0
50
100
150
200
$E_n$ (MeV)

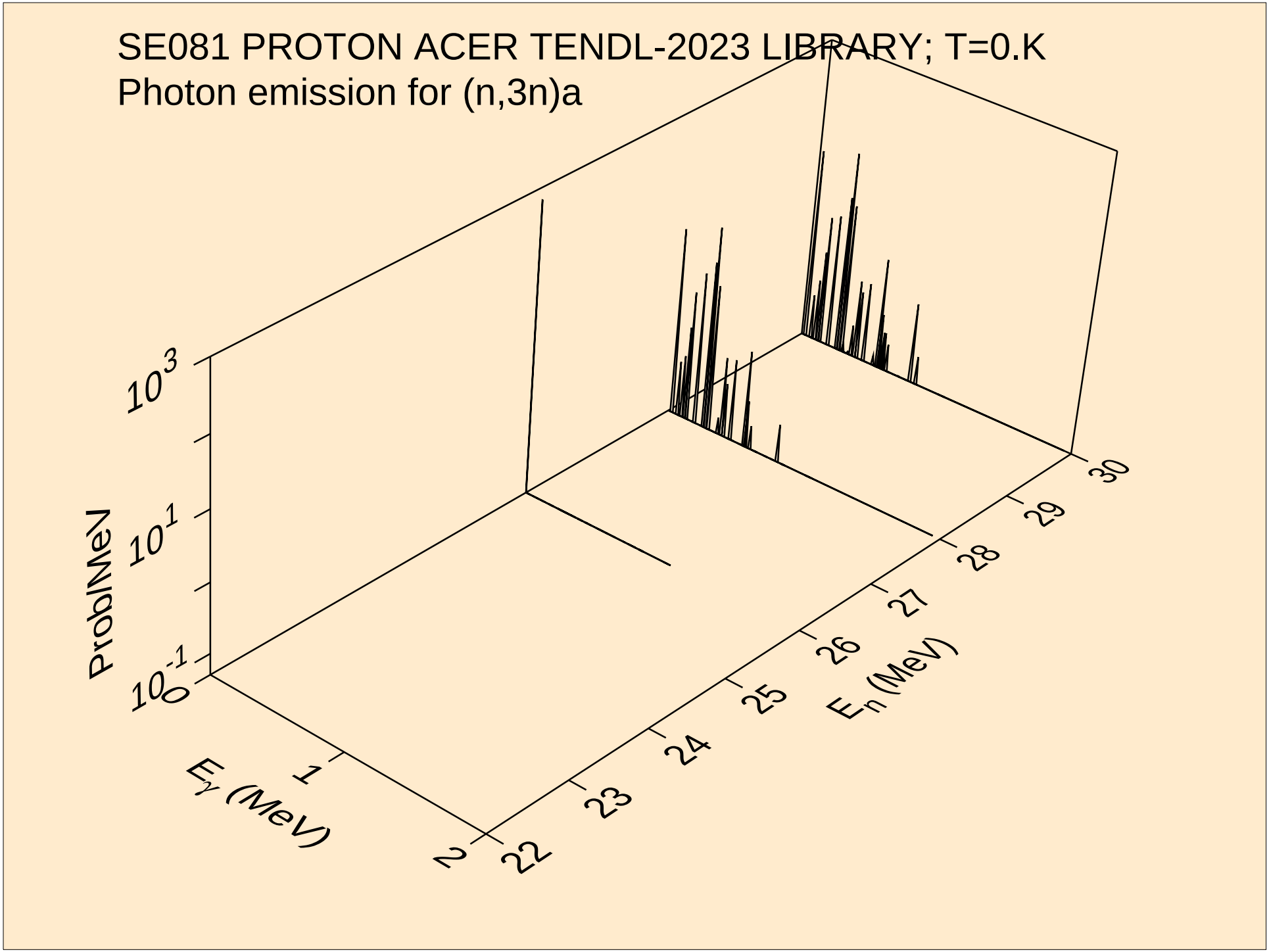

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
$E_\gamma$ (MeV)
0
2
4
$E_n$ (MeV)
20
22
24
26
28
30

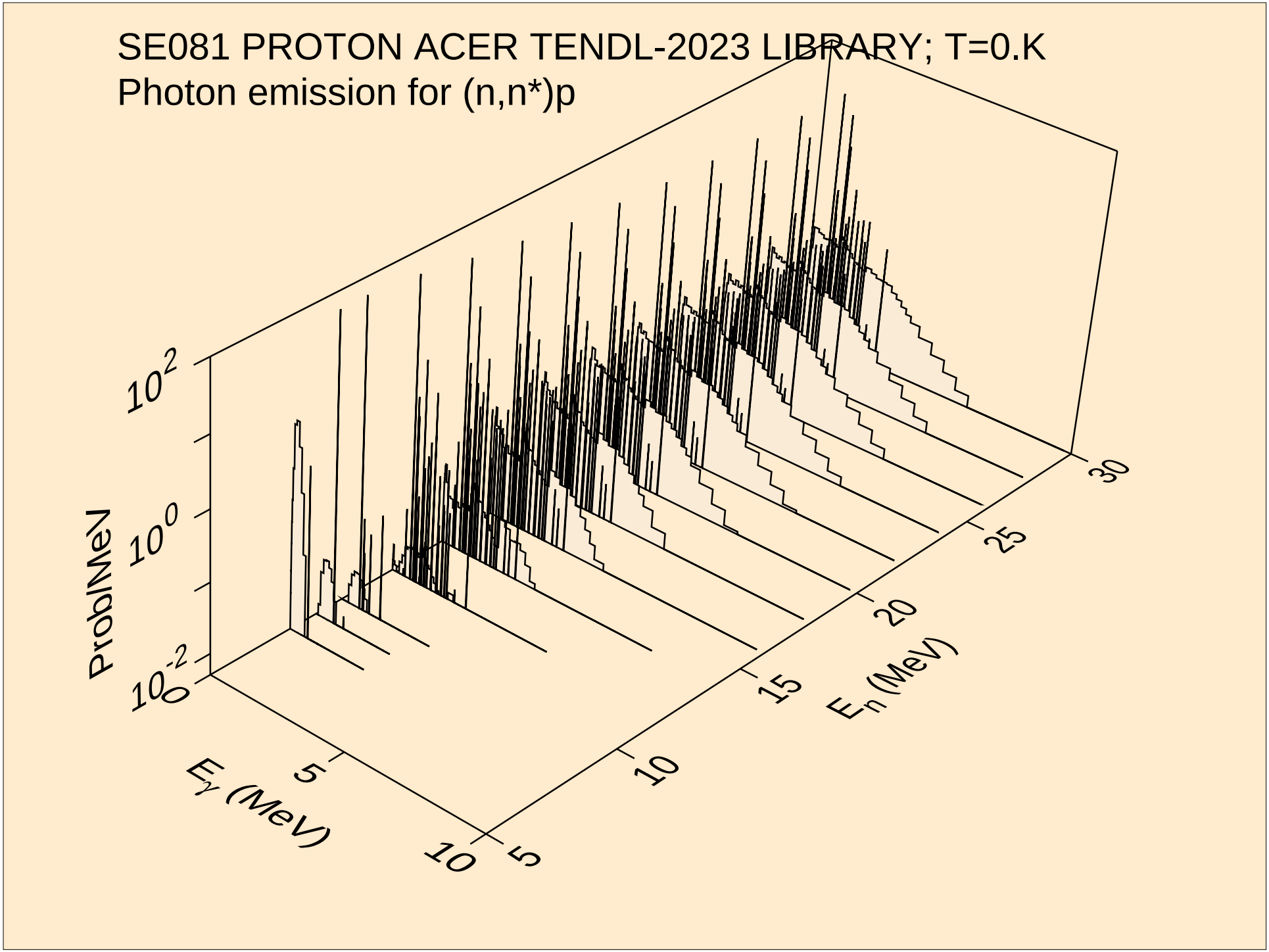

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

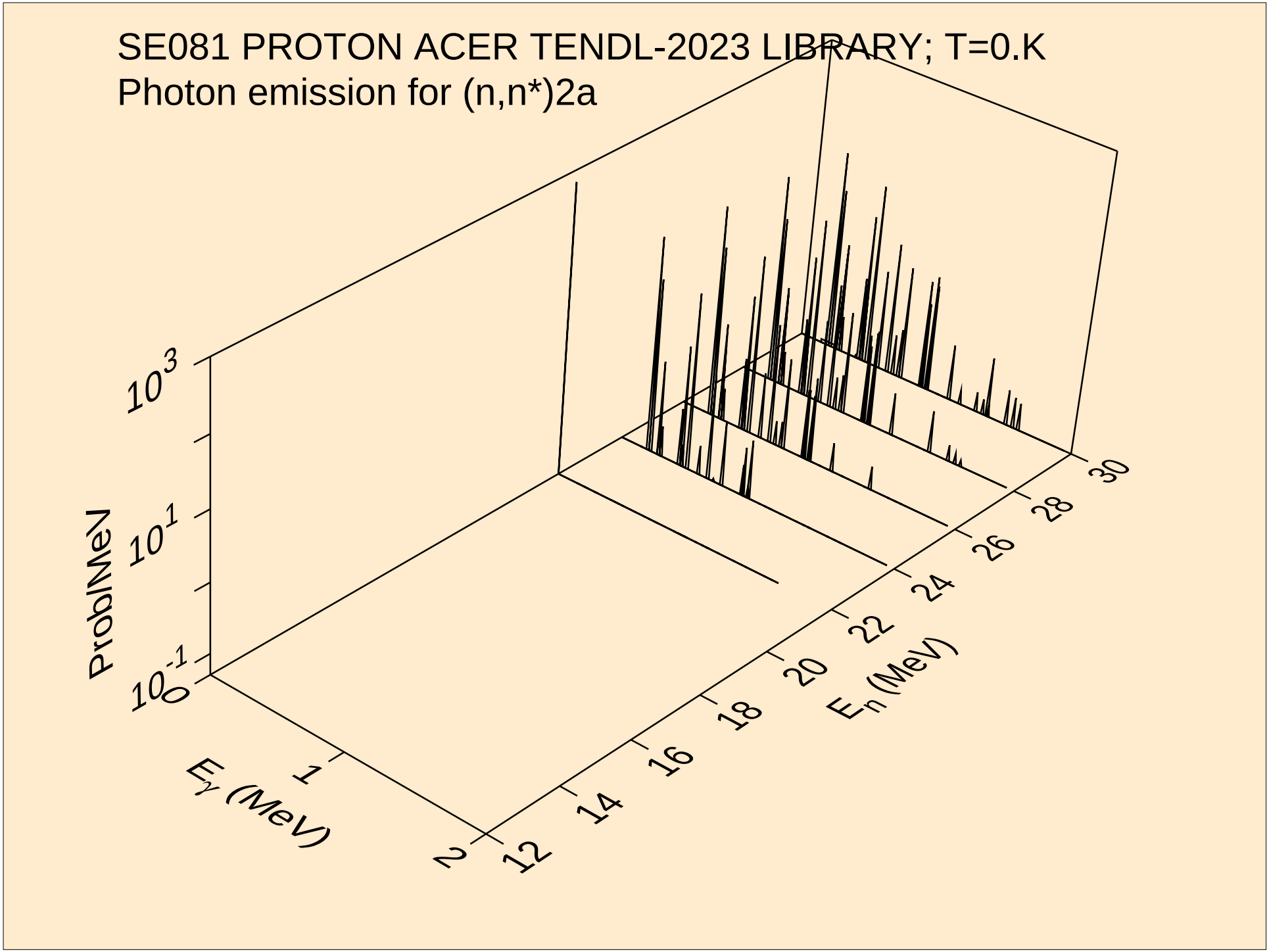

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
16
18
20
22
24
26
28
30
$E_n$ (MeV)

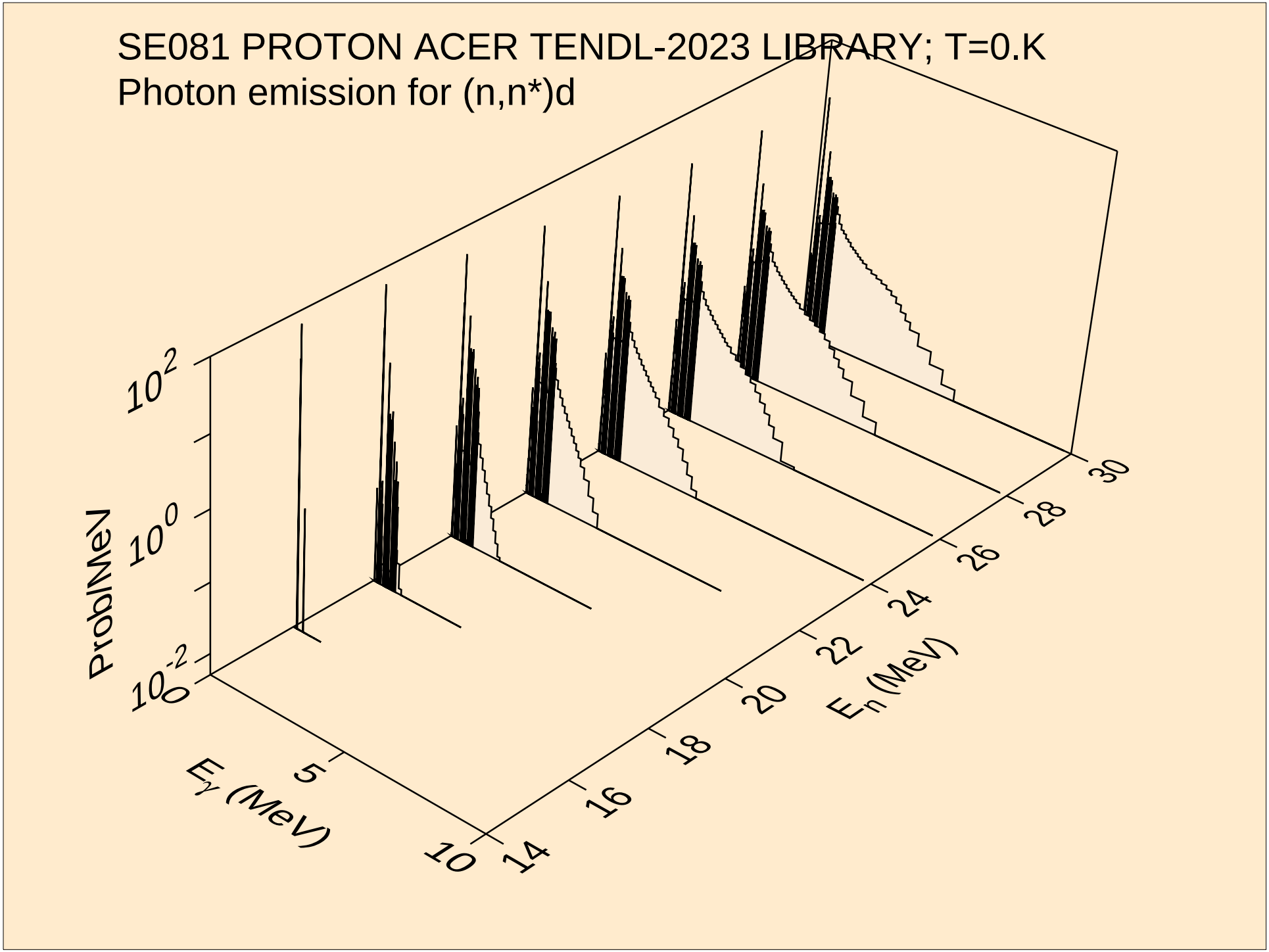

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

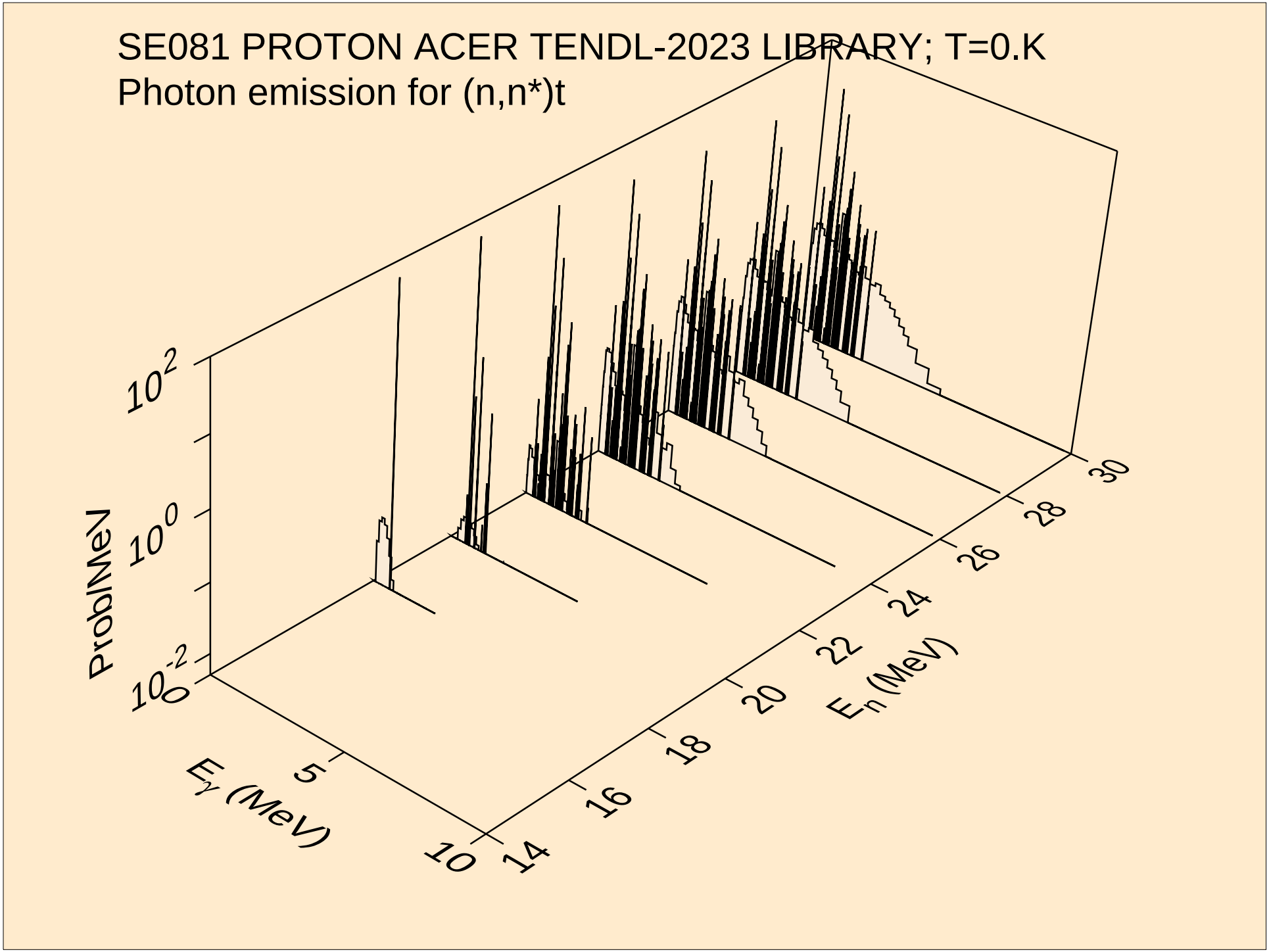

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a
Prob/MeV
10^0
10^-2
0
2
4
E_γ (MeV)
14
16
18
20
22
24
26
28
30
E_n (MeV)

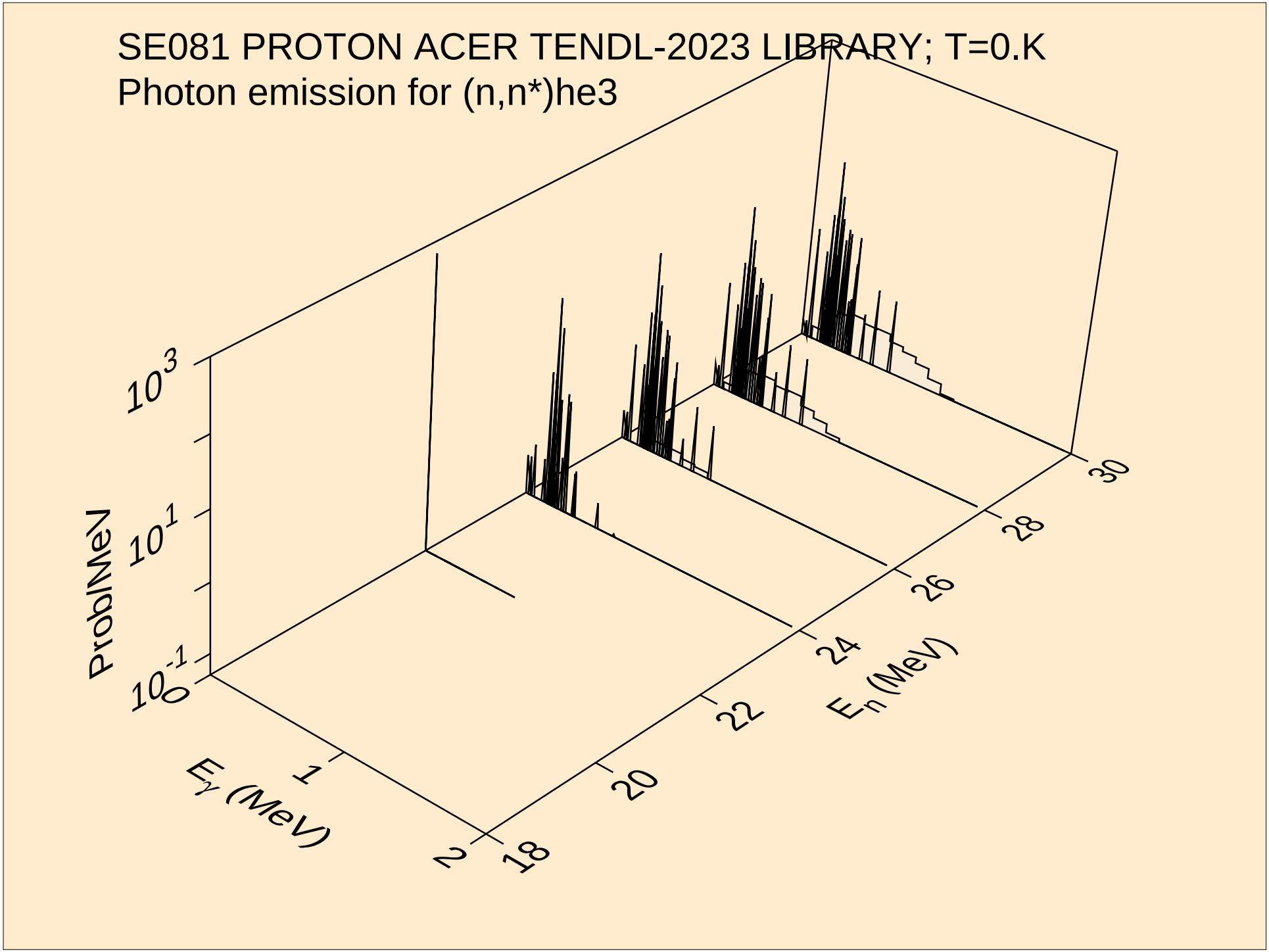

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a
Prob/MeV
10^3
10^1
10^-1
0
1
2
E_γ (MeV)
22
23
24
25
26
27
28
29
30
E_n (MeV)

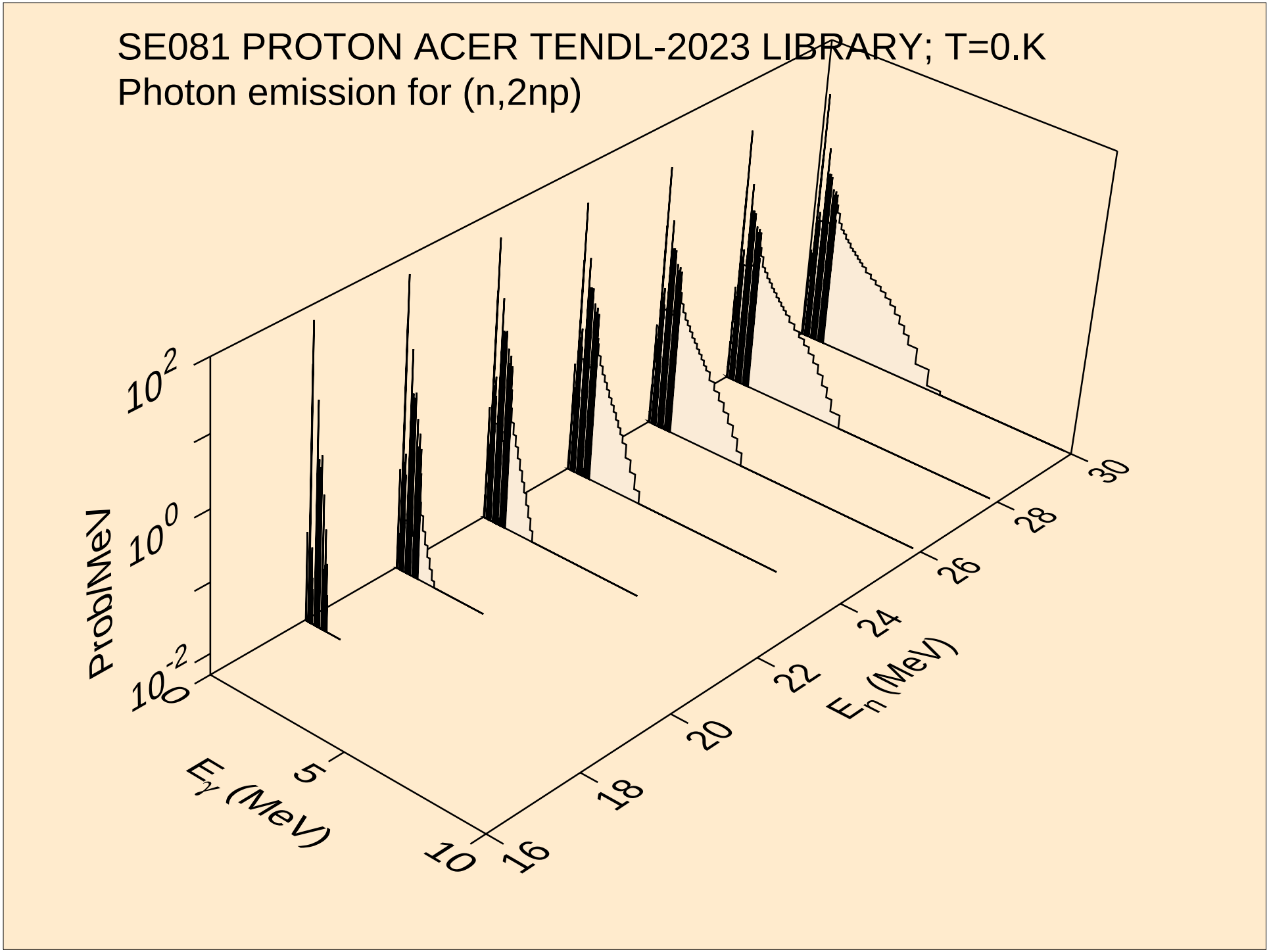

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

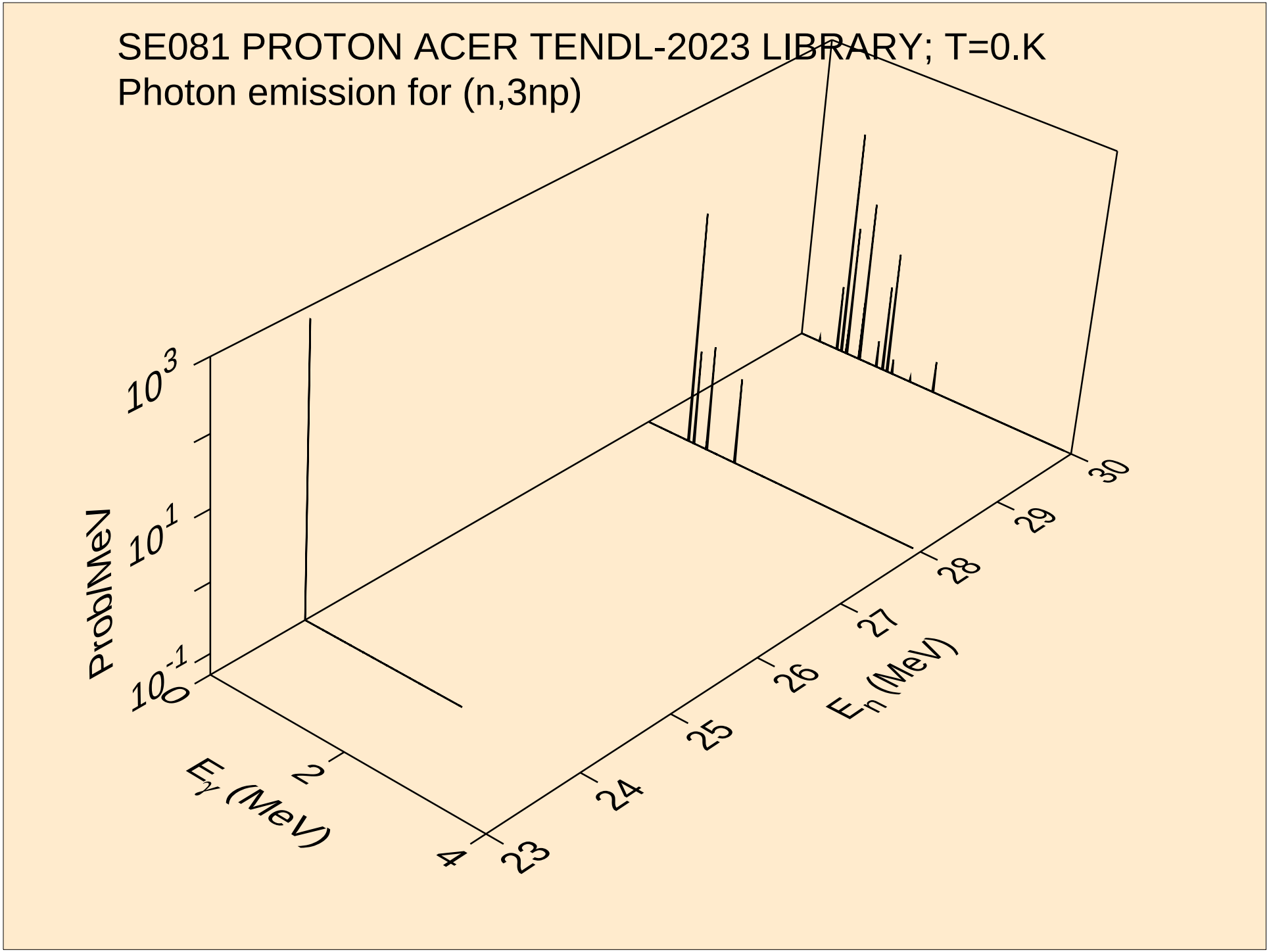

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a
Prob/MeV
10^3
10^1
10^-1
0
1
2
E_γ (MeV)
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

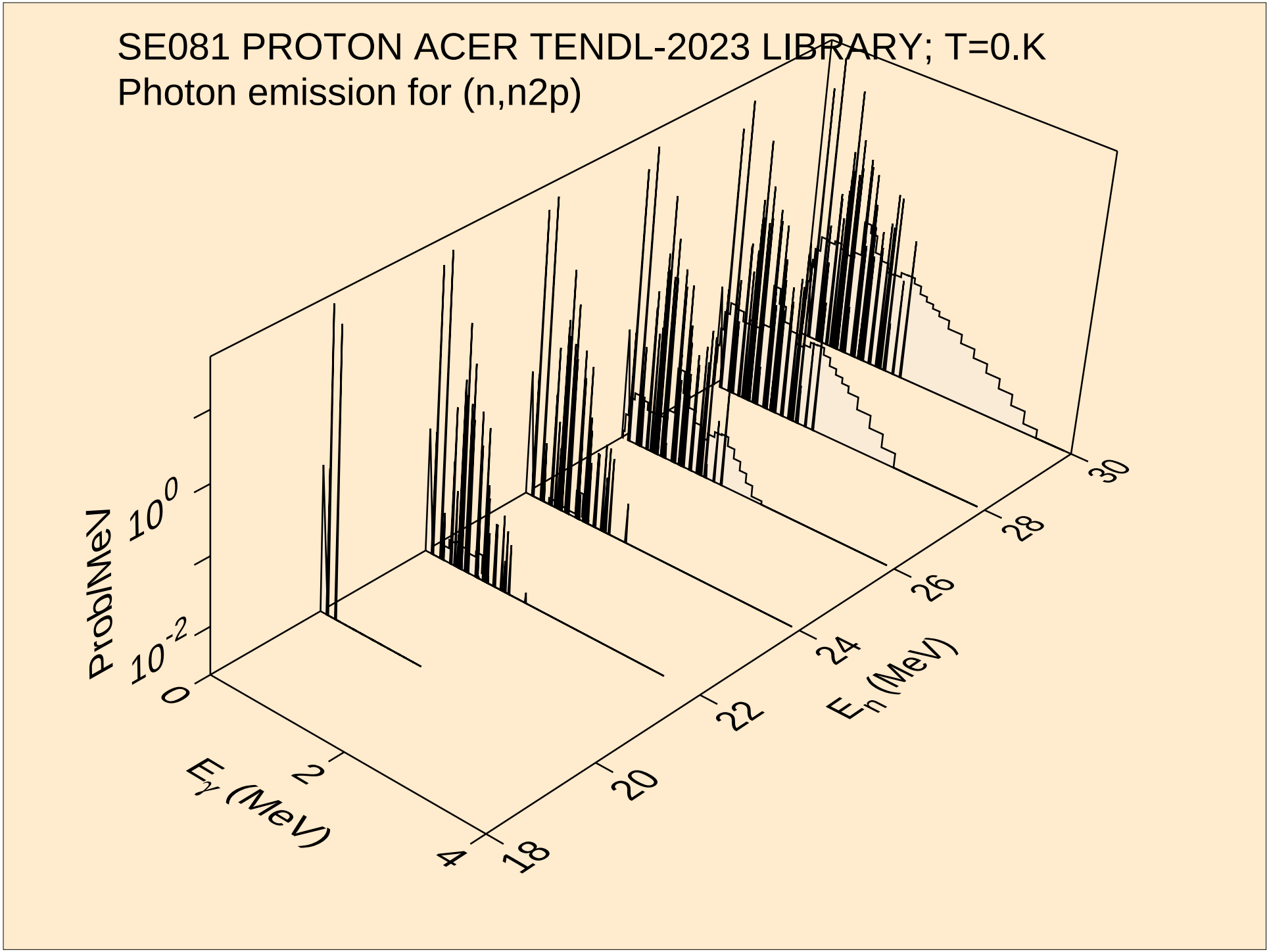

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
14
16
18
20
22
24
26
28
30
$E_n$ (MeV)

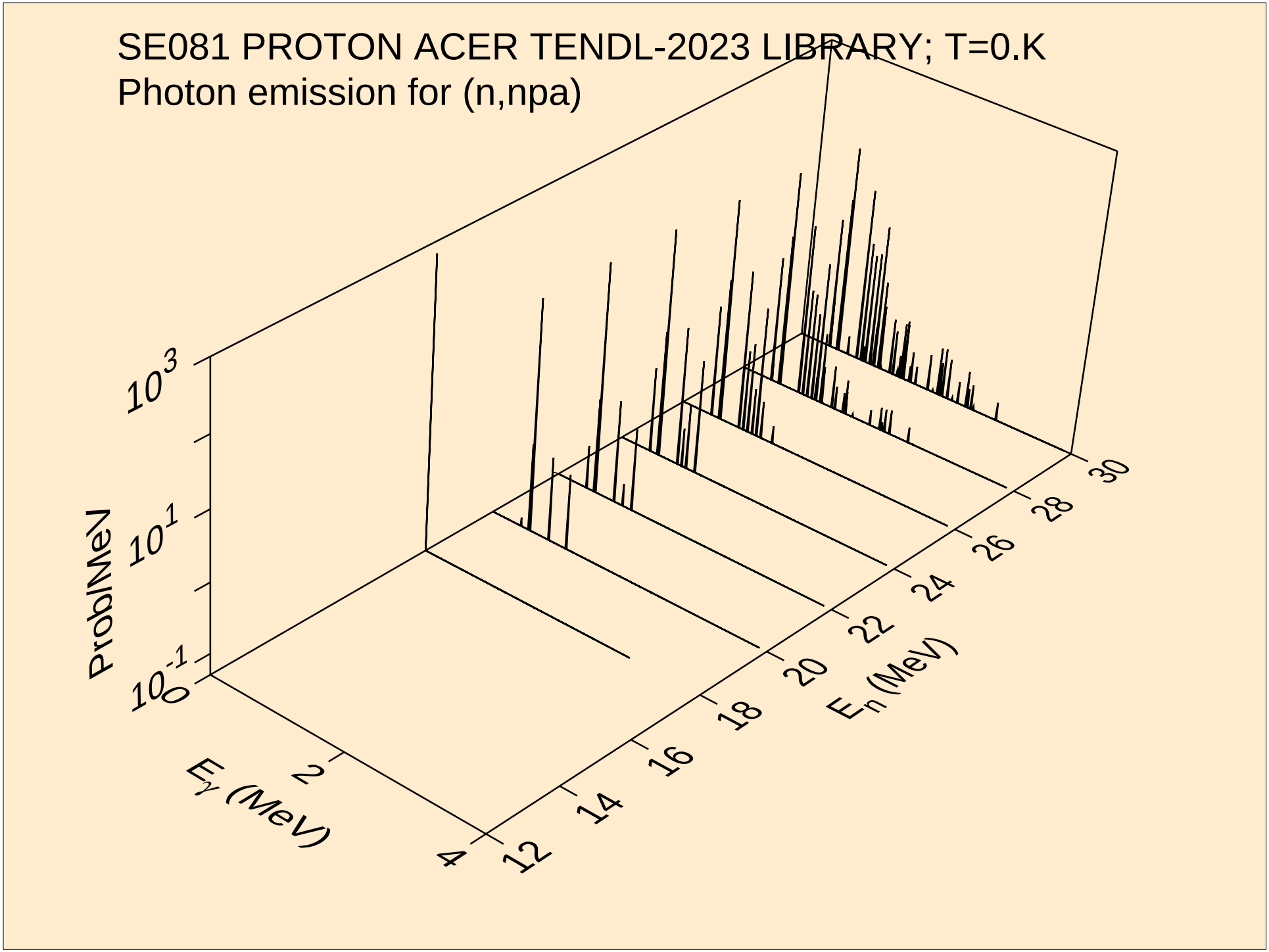

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
14
16
18
20
22
24
26
28
30
$E_n$ (MeV)

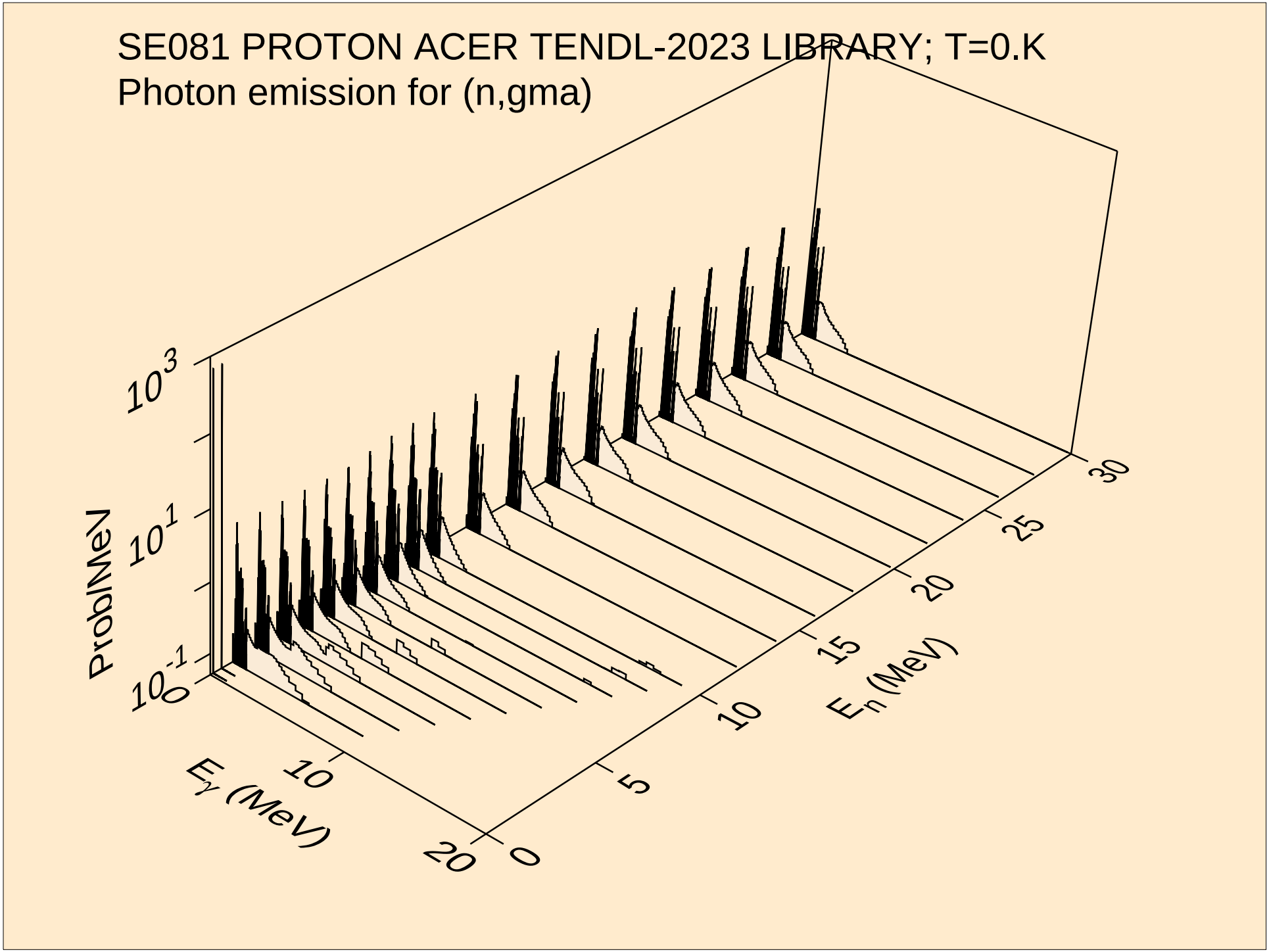

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
1
2
$E_\gamma$ (MeV)
18
20
22
24
26
28
30
$E_n$ (MeV)

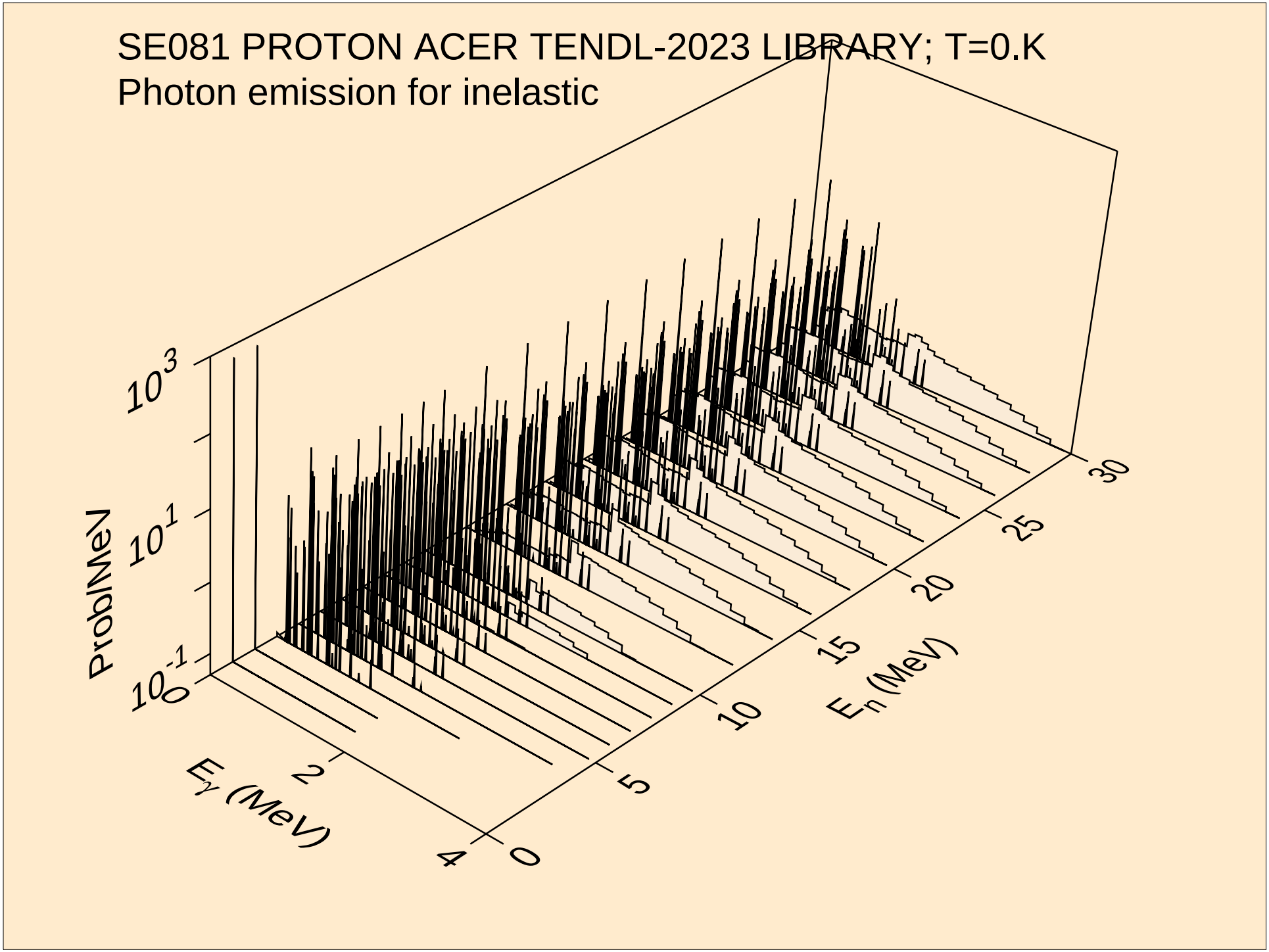

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)
Prob/MeV
$10^{2}$
$10^{0}$
$10^{-2}$
0
5
10
$E_\gamma$ (MeV)
16
18
20
22
24
26
28
30
$E_n$ (MeV)

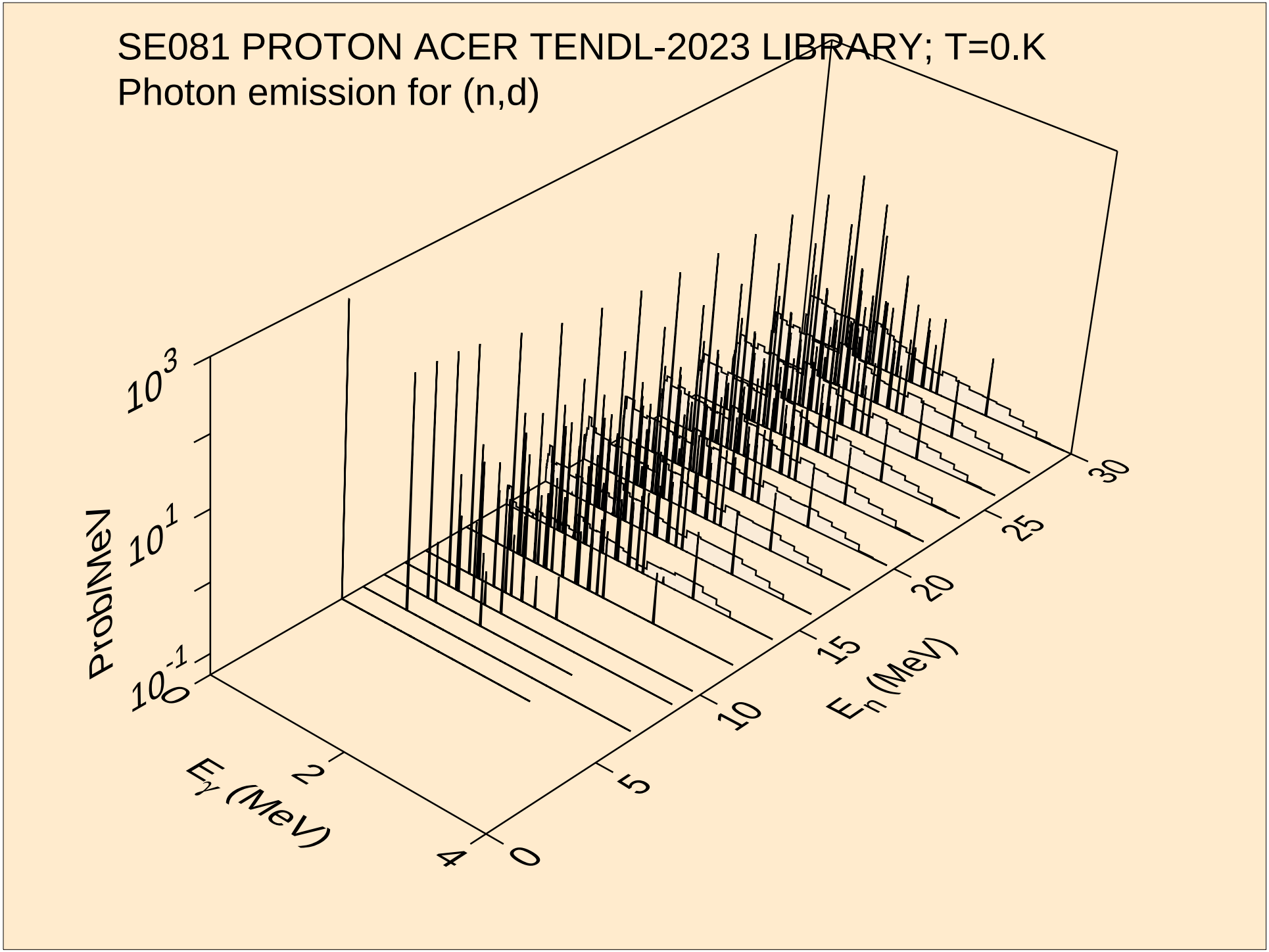

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
23
24
25
26
27
28
29
30
$E_n$ (MeV)

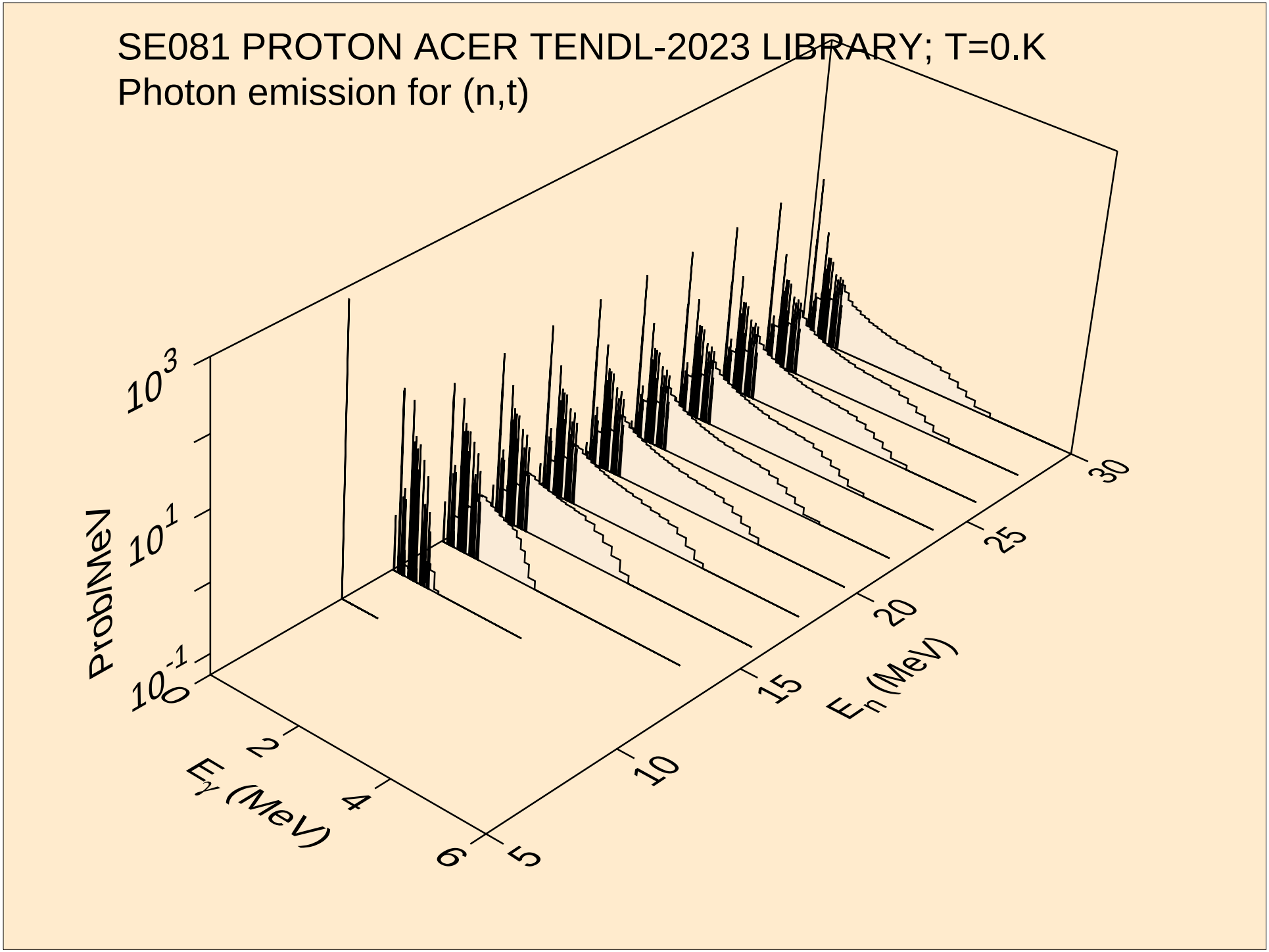

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)
Prob/MeV
$10^{0}$
$10^{-2}$
0
$E_\gamma$ (MeV)
2
4
18
20
22
24
26
28
30
$E_n$ (MeV)

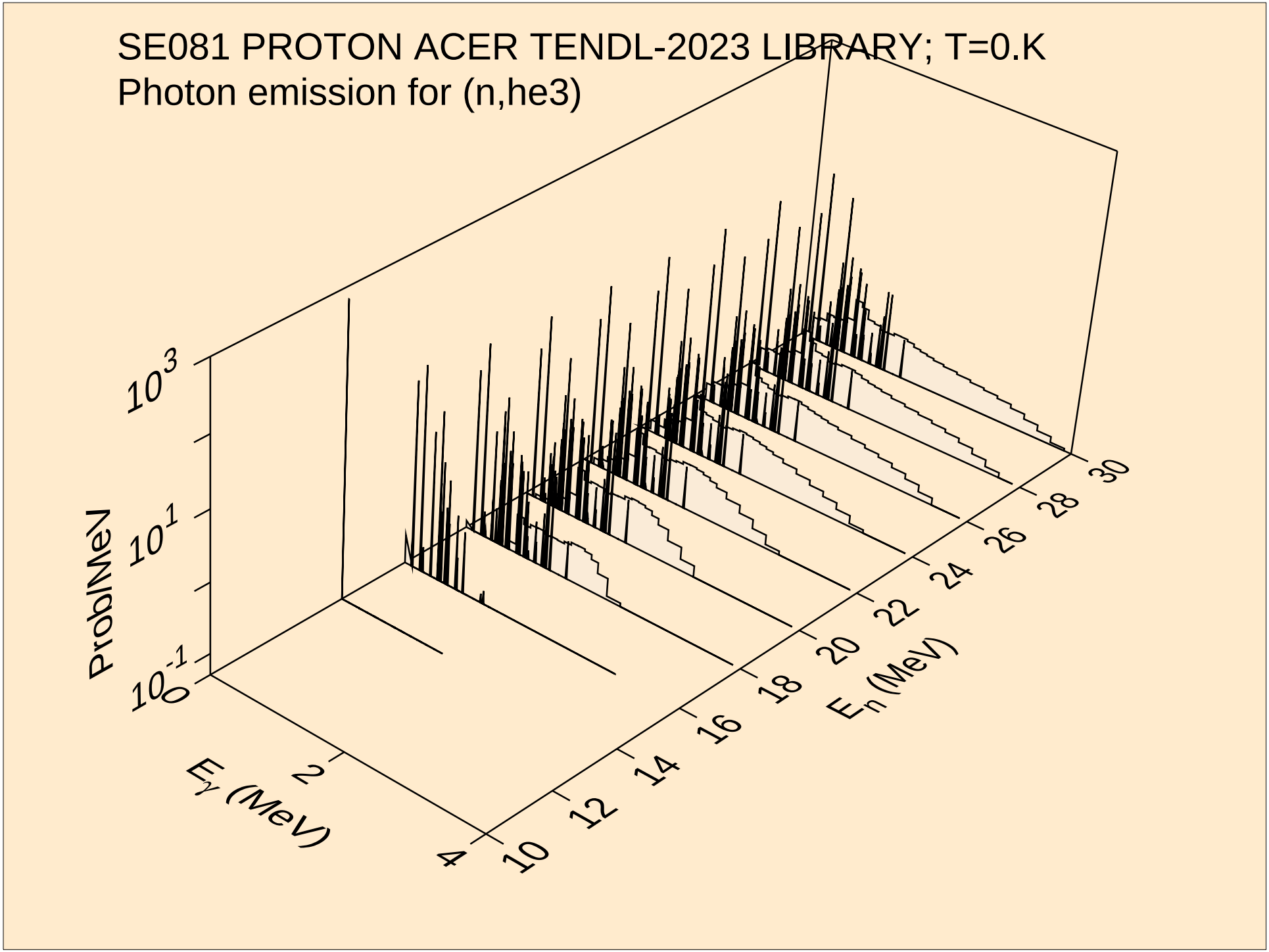

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
12
14
16
18
20
22
24
26
28
30
$E_n$ (MeV)

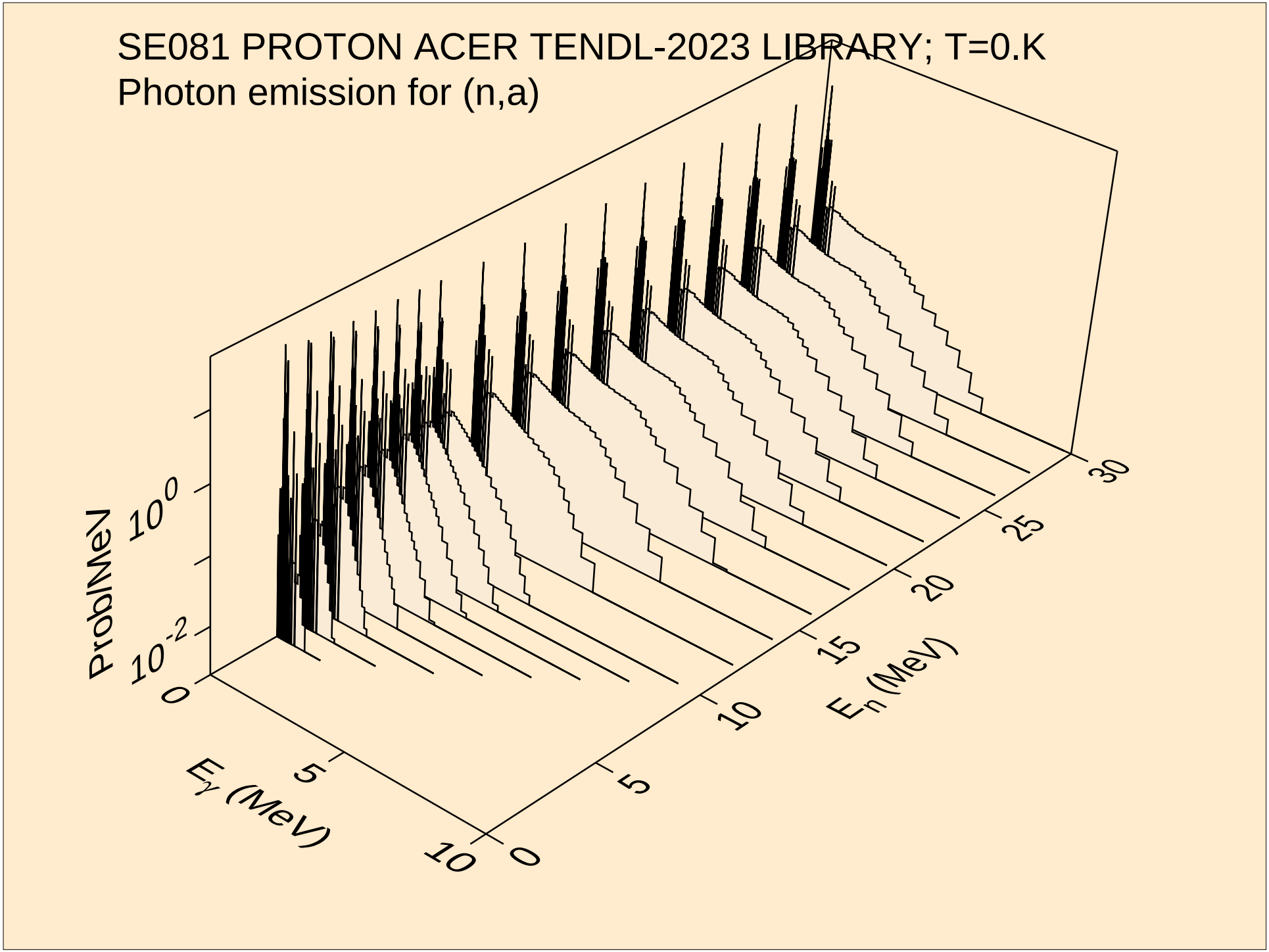

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
10
20
$E_\gamma$ (MeV)
0
5
10
15
20
25
30
$E_n$ (MeV)

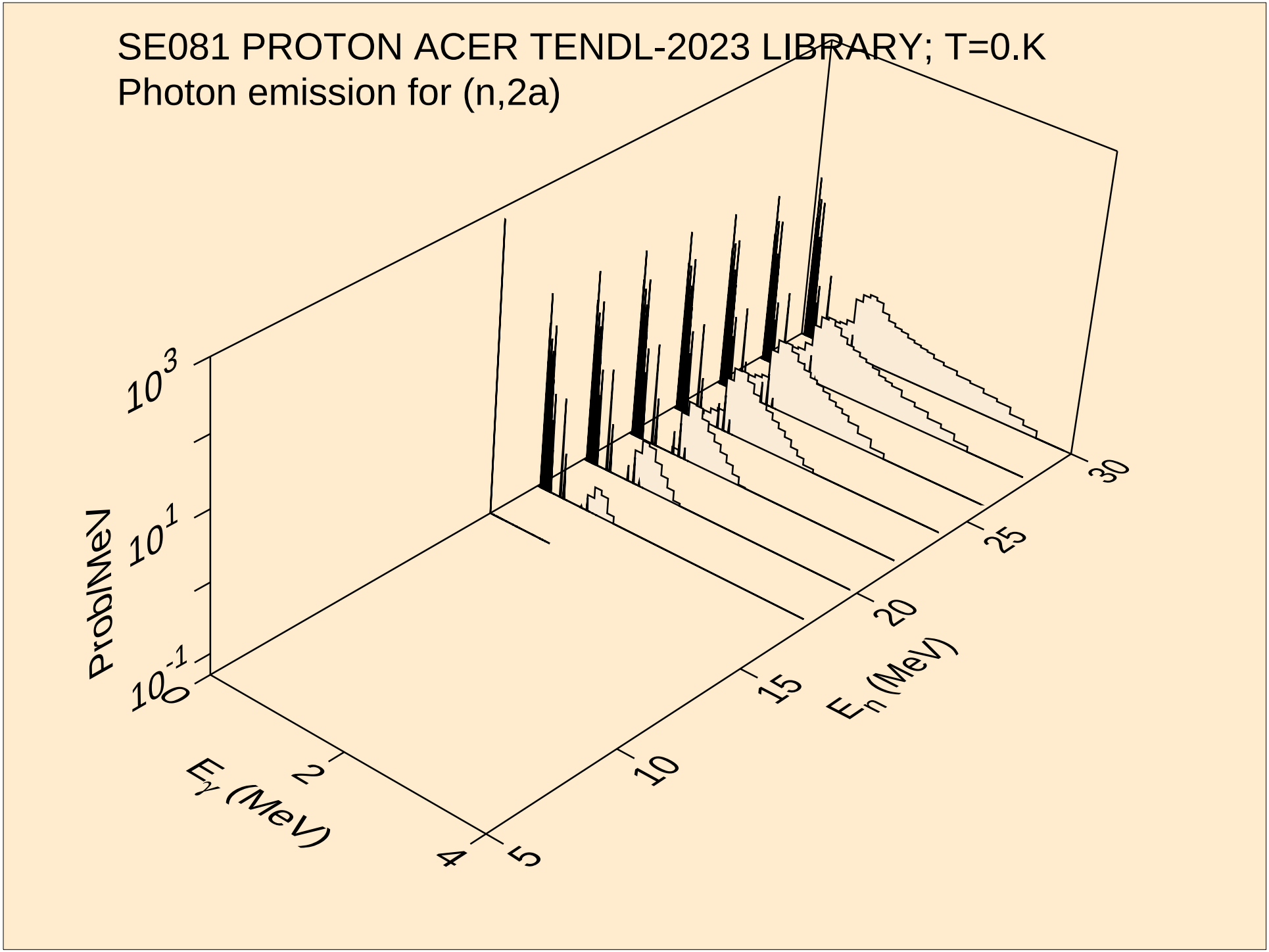

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
0
5
10
15
20
25
30
$E_n$ (MeV)

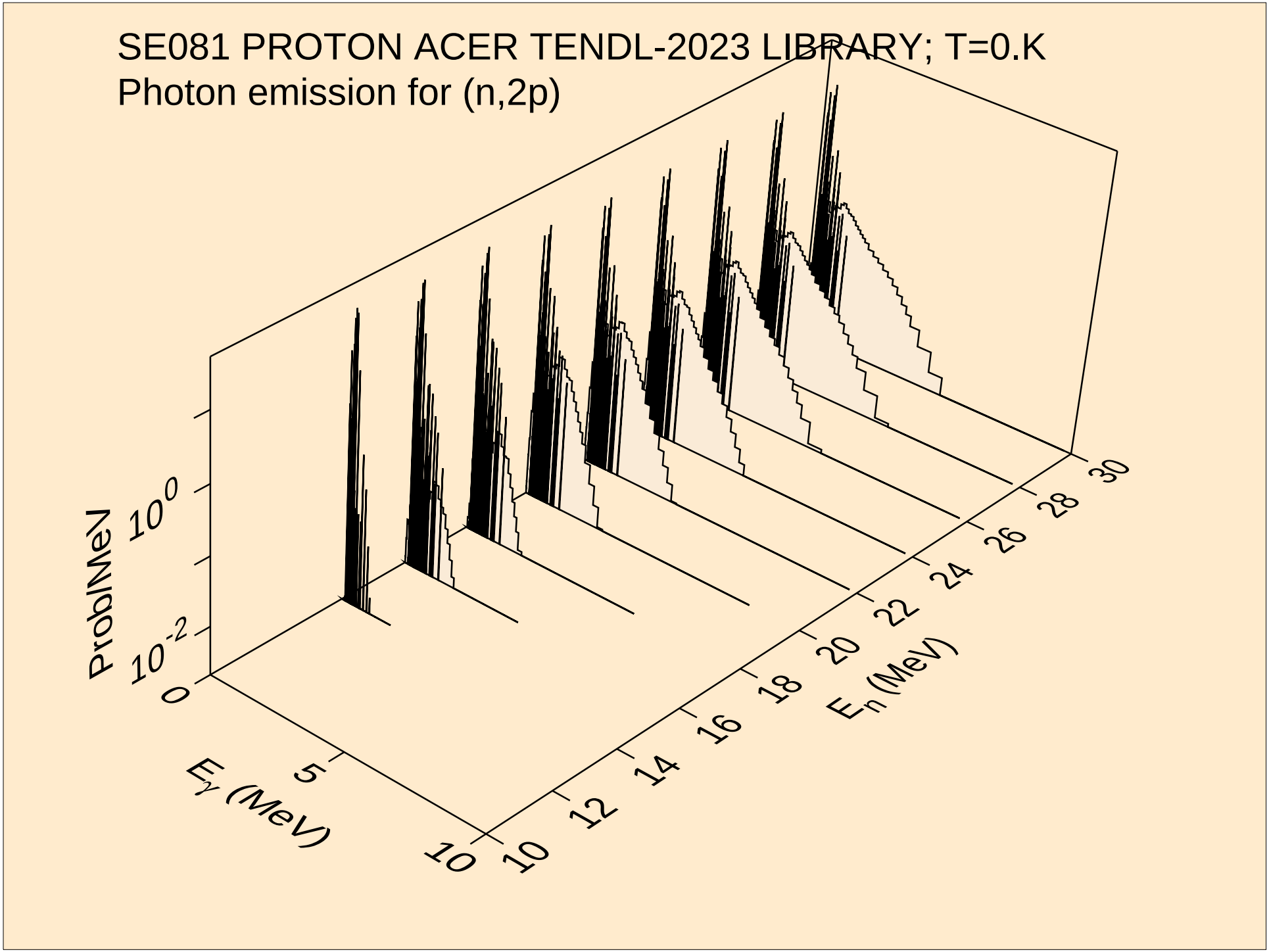

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
0
5
10
15
20
25
30
$E_n$ (MeV)

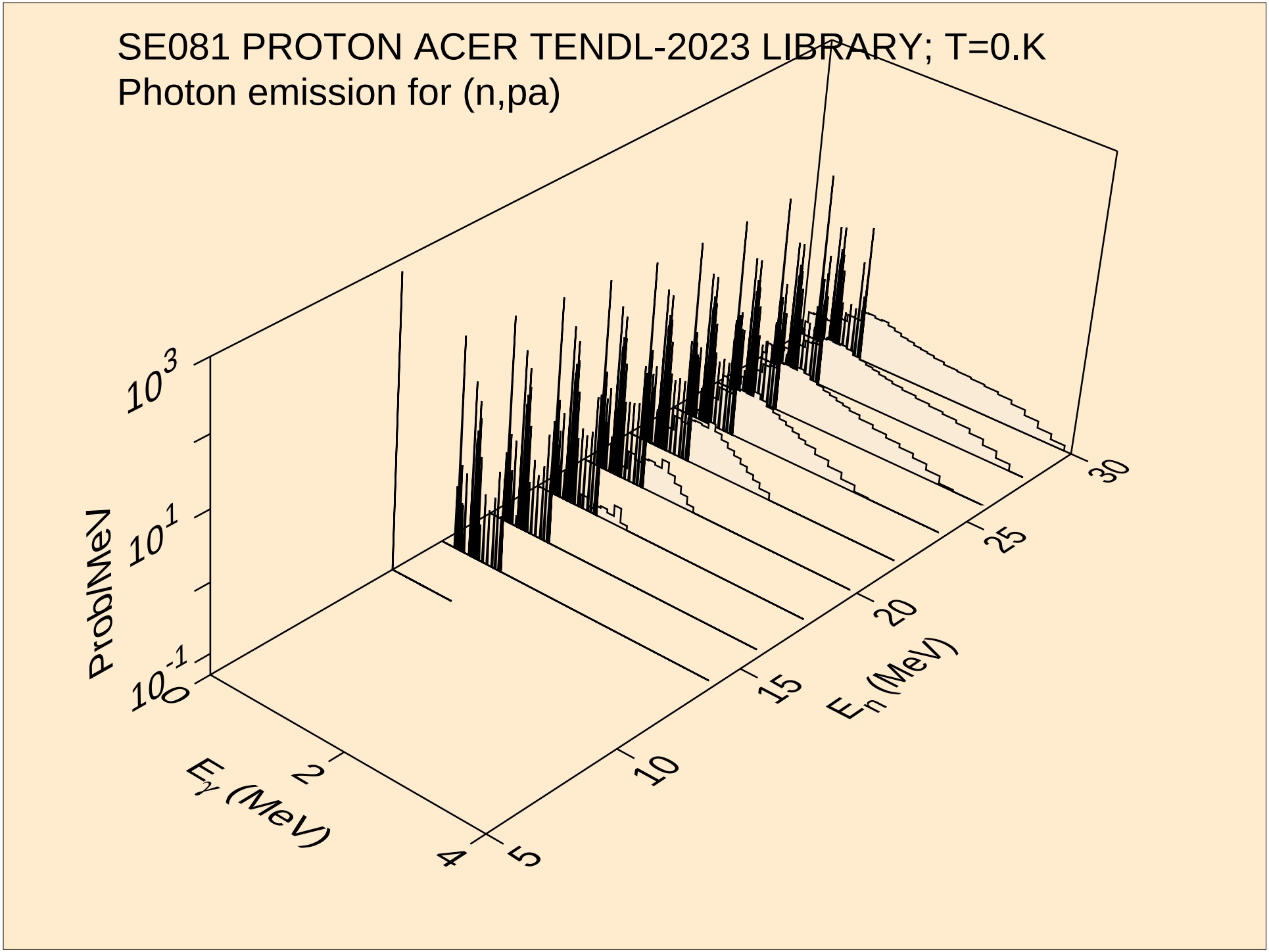

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
6
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

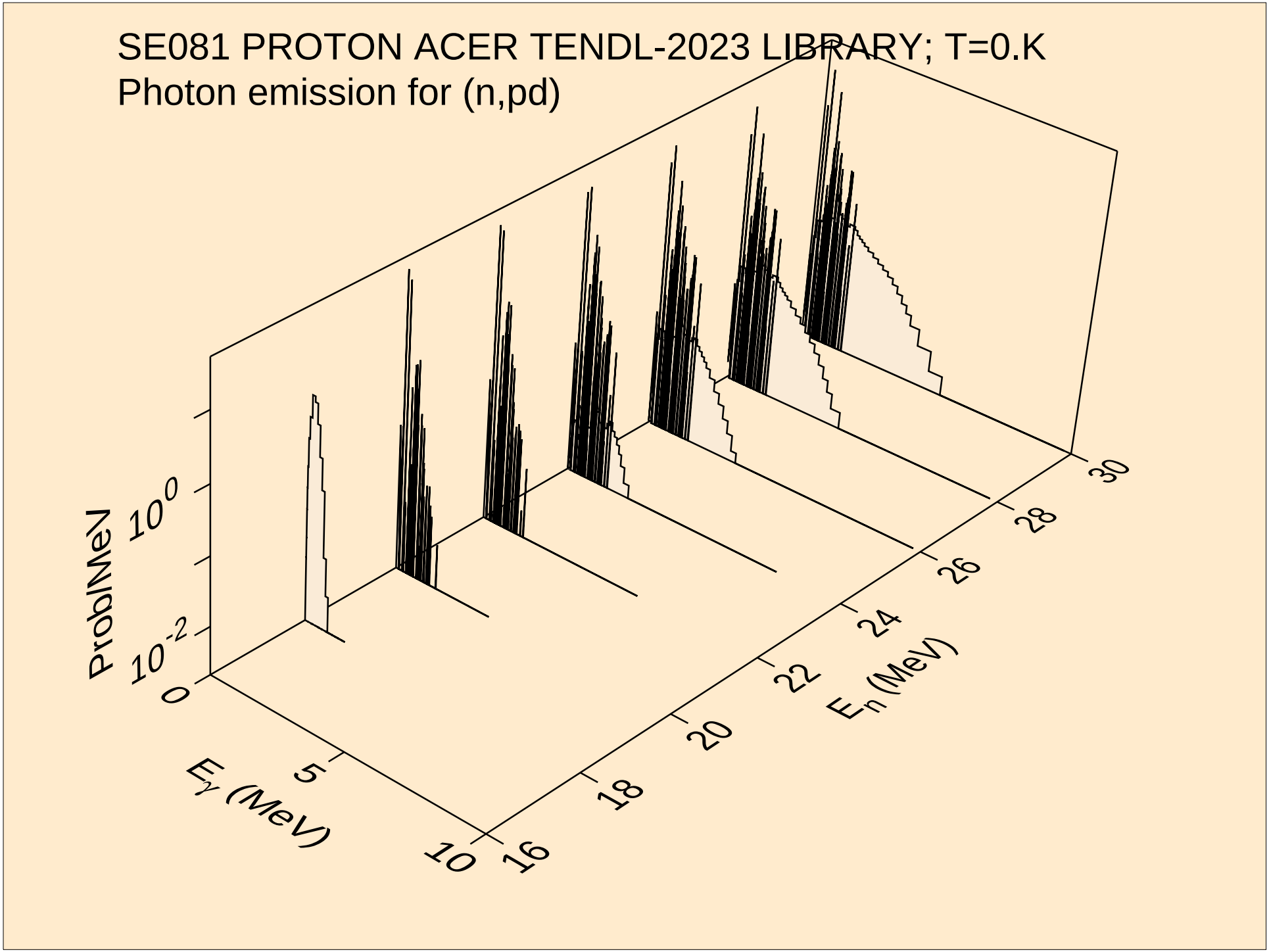

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
10
12
14
16
18
20
22
24
26
28
30
$E_n$ (MeV)

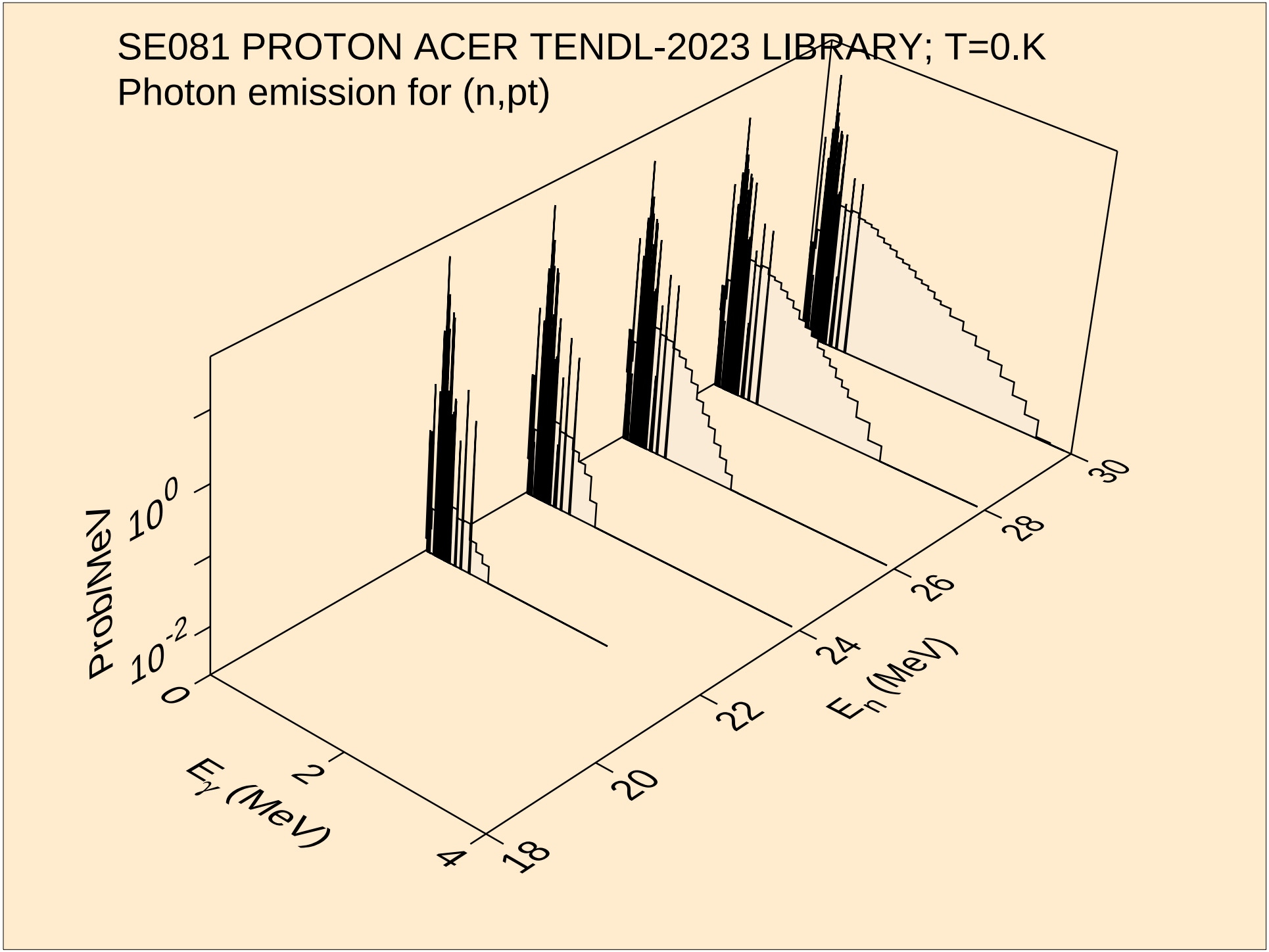

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)
Prob/MeV
$10^{0}$
$10^{-2}$
0
$E_\gamma$ (MeV)
5
10
0
5
10
15
20
25
30
$E_n$ (MeV)

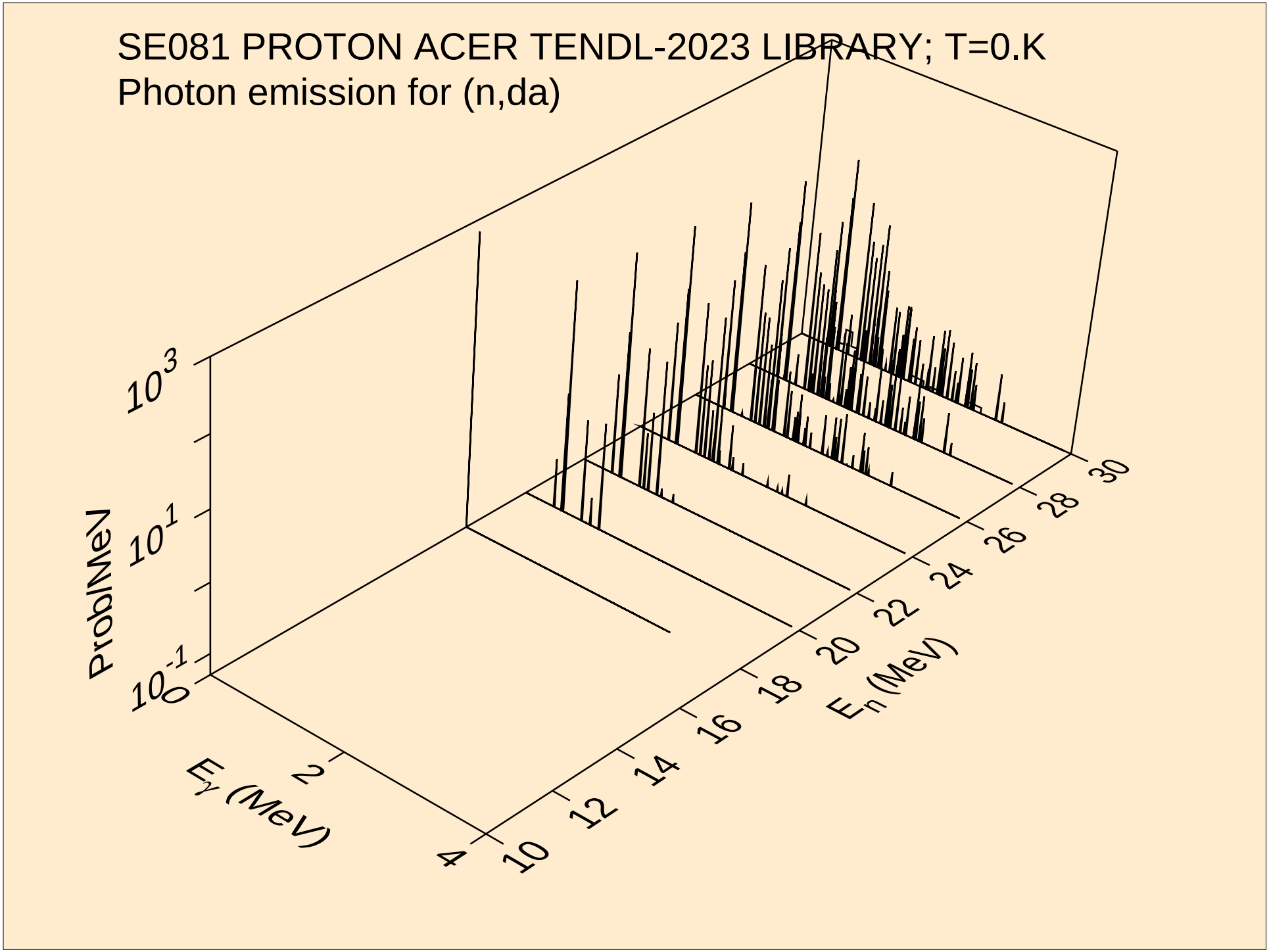

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

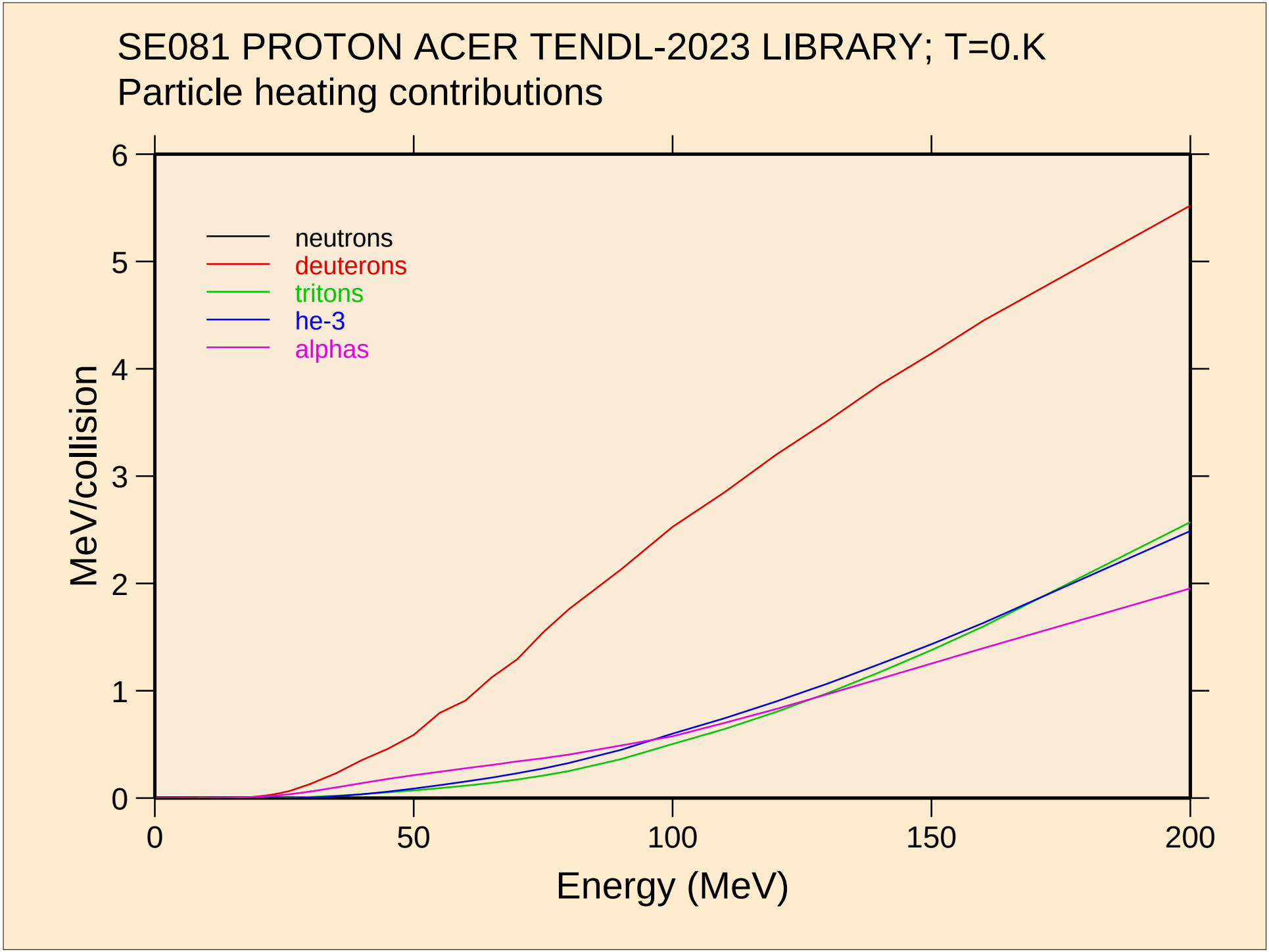

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)
Prob/MeV
10^0
10^-2
0
5
10
E_γ (MeV)
10
12
14
16
18
20
22
24
26
28
30
E_n (MeV)

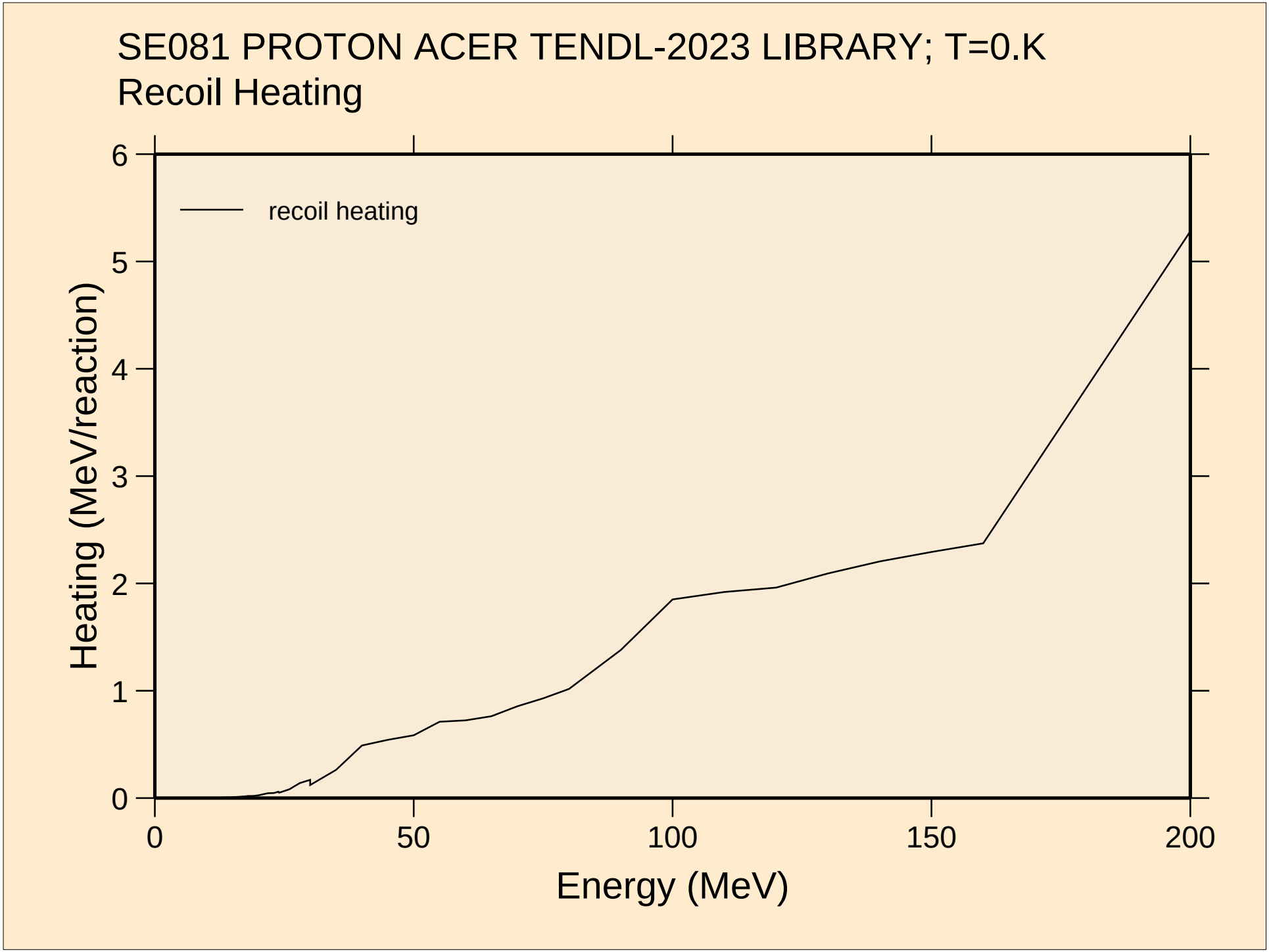

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
5
10
15
20
25
30
$E_n$ (MeV)

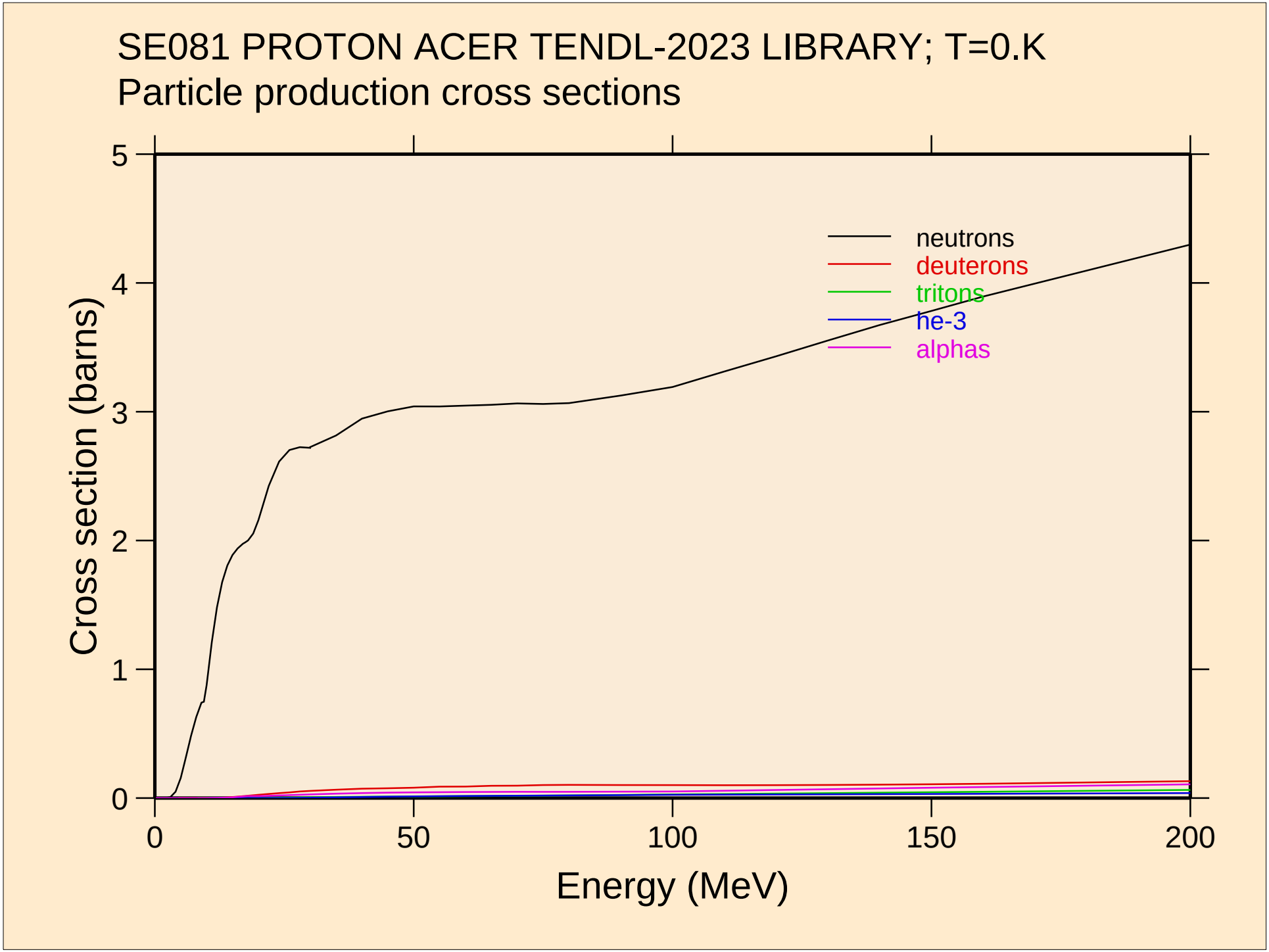

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)
Prob/MeV
10^0
10^-2
0
5
10
16
18
20
22
24
26
28
30
E_γ (MeV)
E_n (MeV)

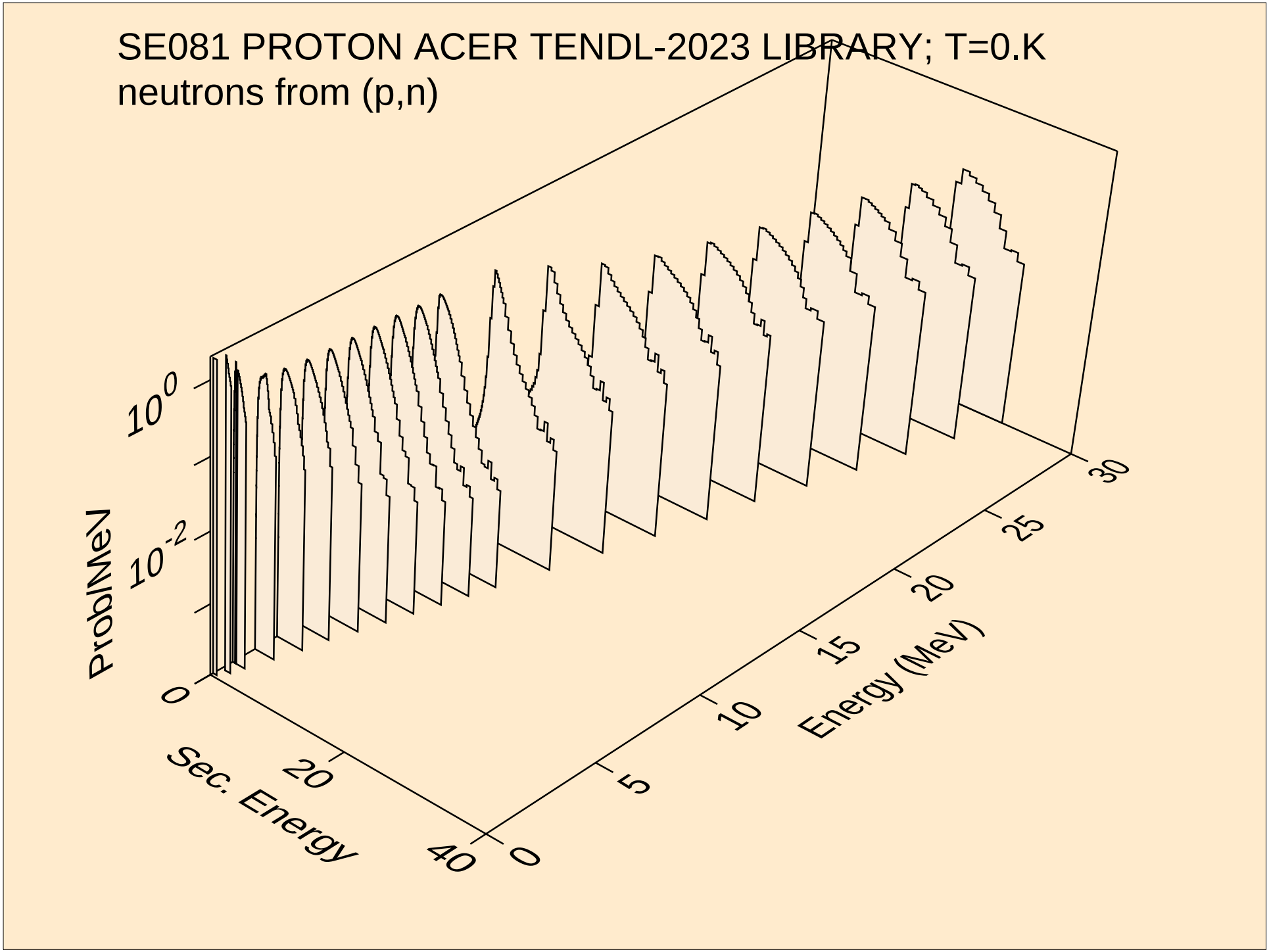

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)
Prob/MeV
$10^{0}$
$10^{-2}$
0
$E_\gamma$ (MeV)
2
4
18
20
22
24
26
28
30
$E_n$ (MeV)

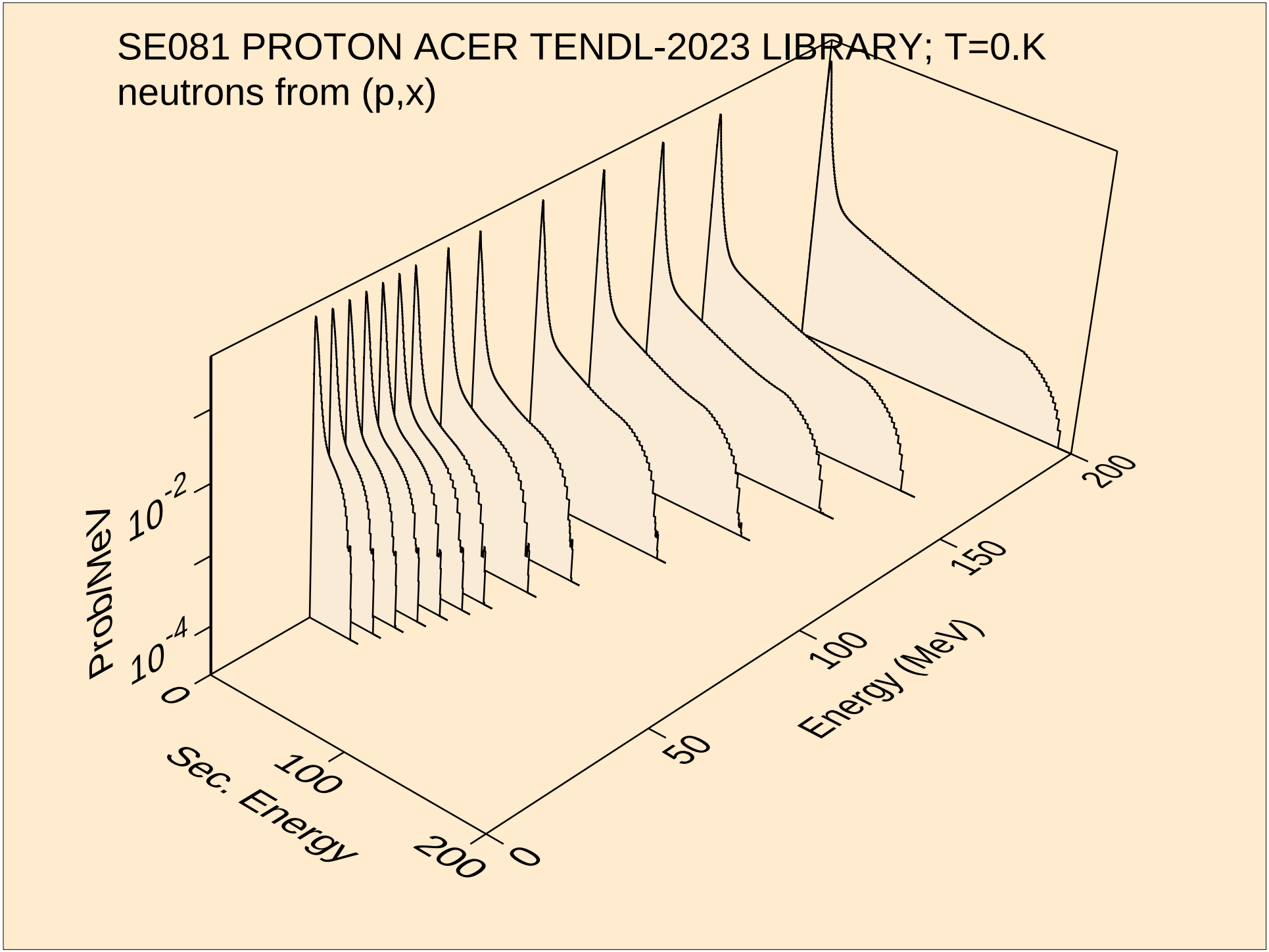

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)
Prob/MeV
$10^{3}$
$10^{1}$
$10^{-1}$
0
2
4
$E_\gamma$ (MeV)
10
12
14
16
18
20
22
24
26
28
30
$E_n$ (MeV)

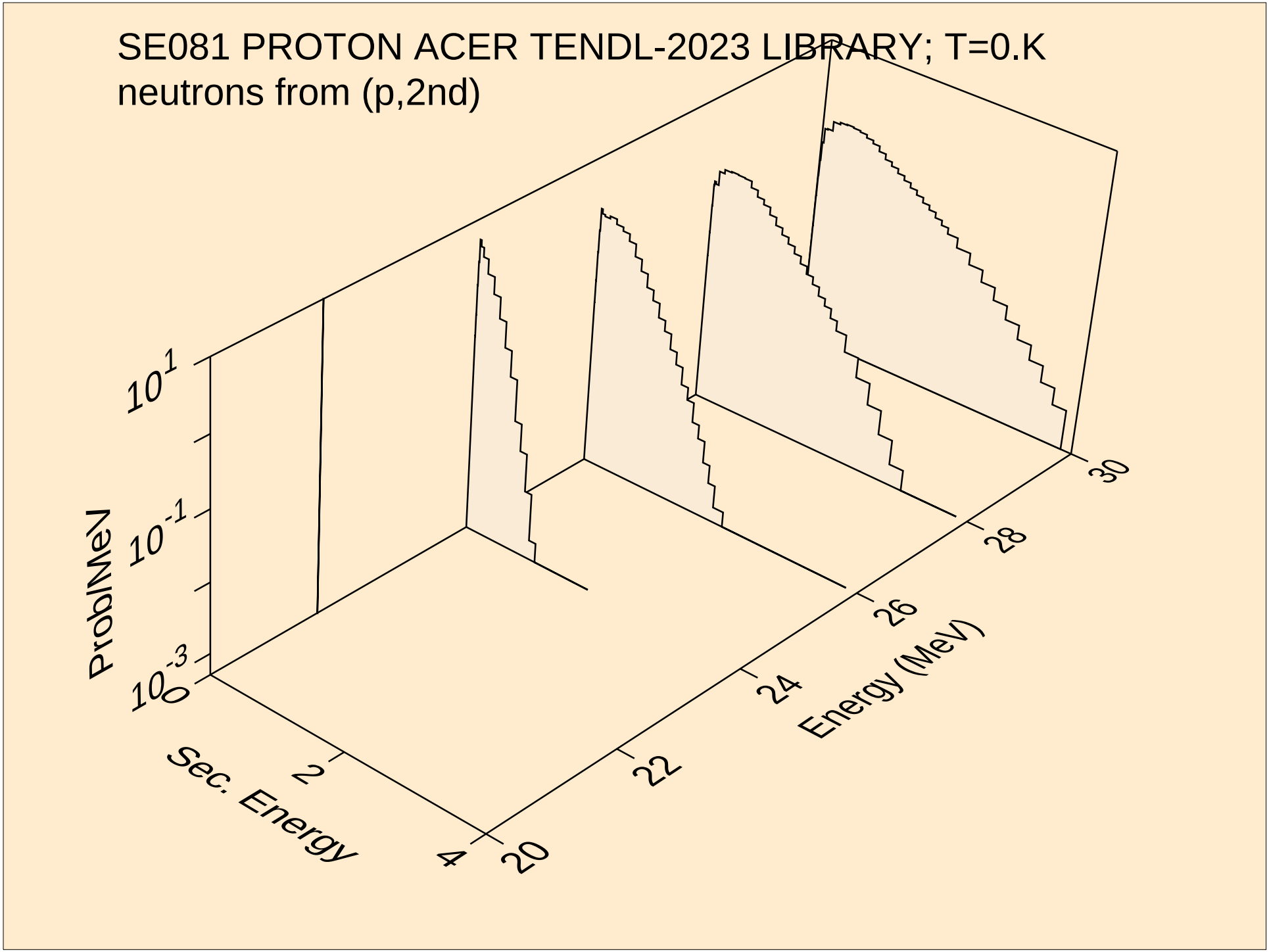

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions
neutrons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
1
2
3
4
5
6
0
50
100
150
200

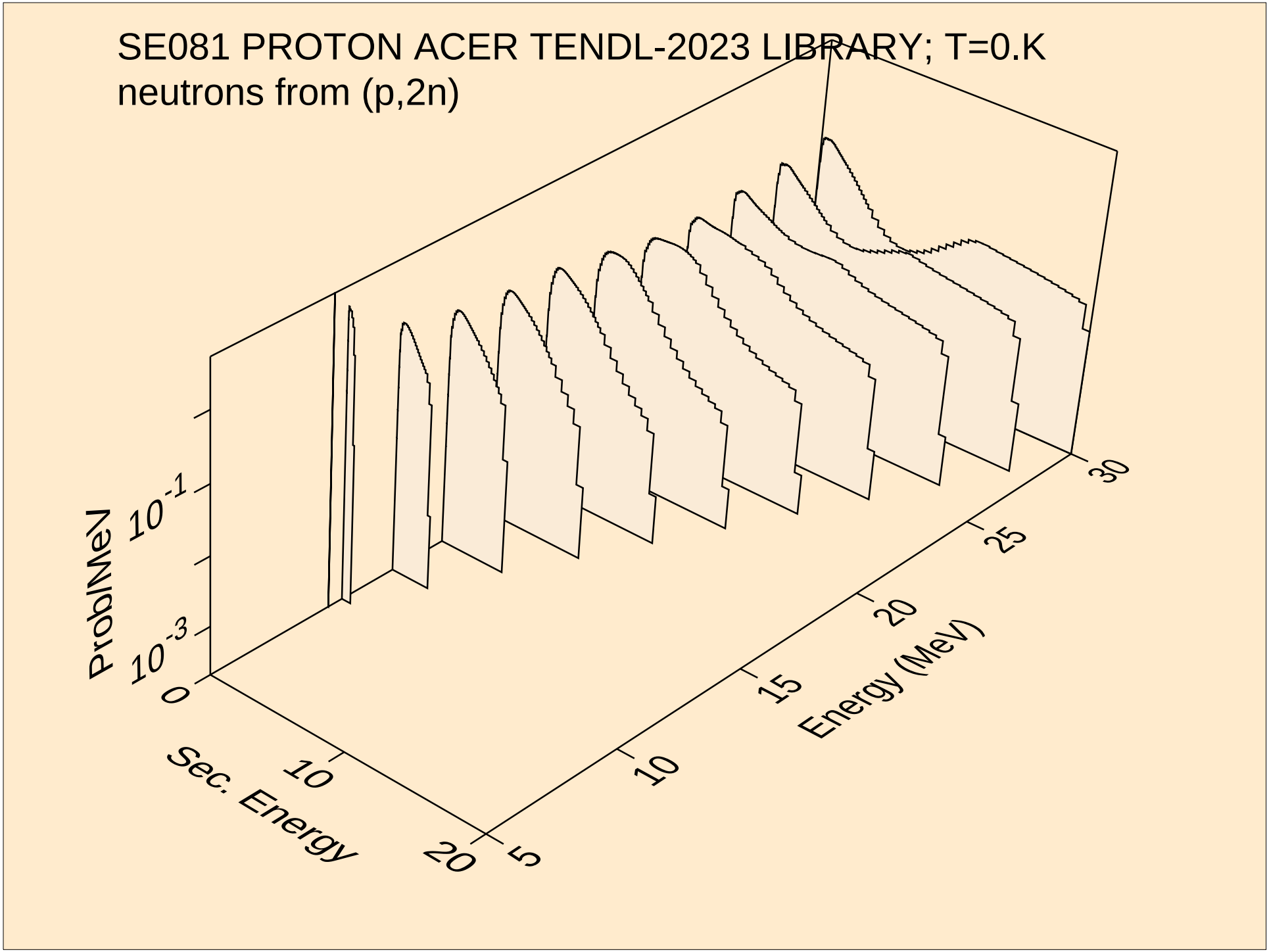

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0
1
2
3
4
5
6
0
50
100
150
200

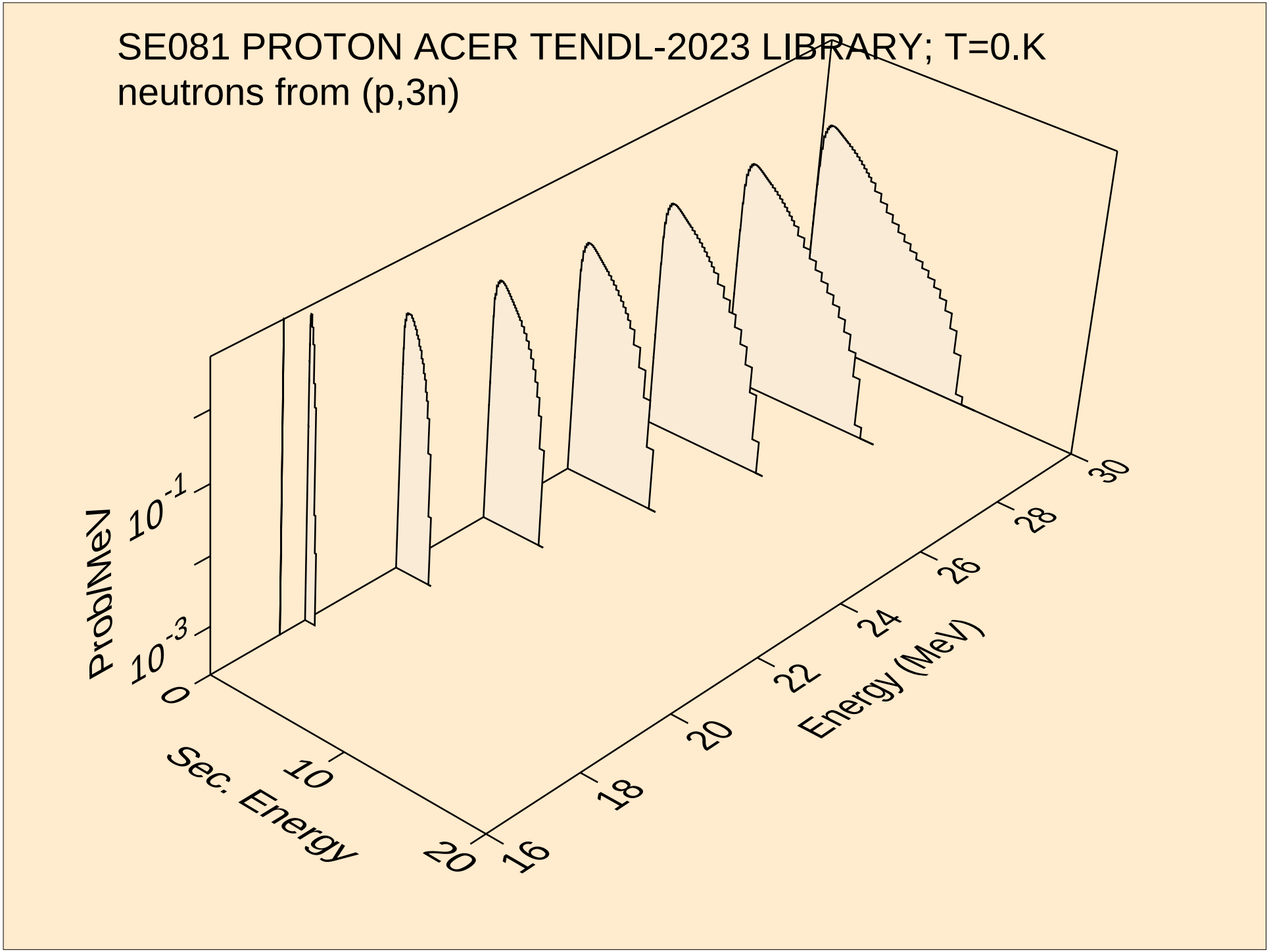

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections
Cross section (barns)
Energy (MeV)
0
1
2
3
4
5
0
50
100
150
200
neutrons
deuterons
tritons
he-3
alphas

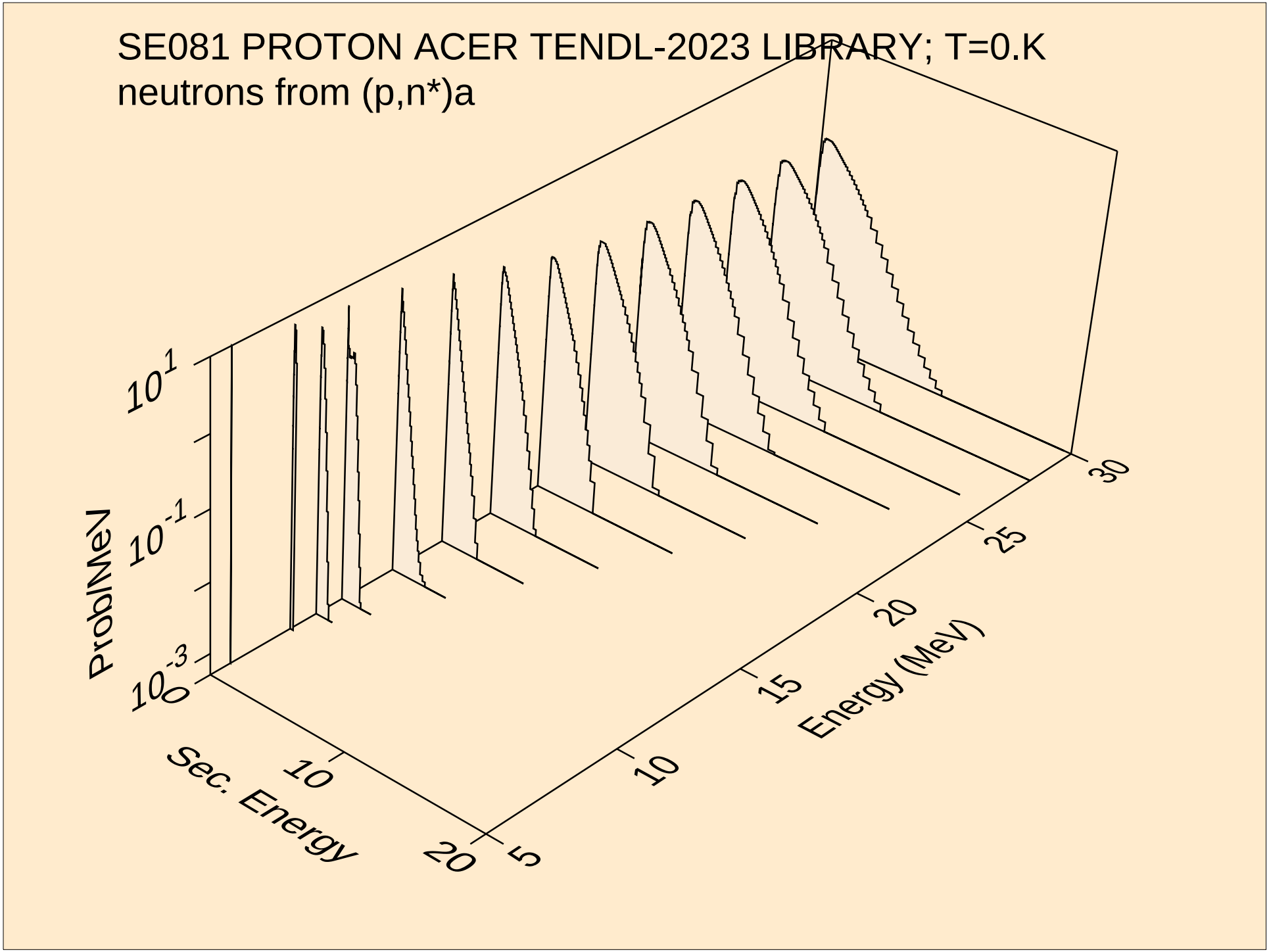

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
Energy (MeV)
20
25
30

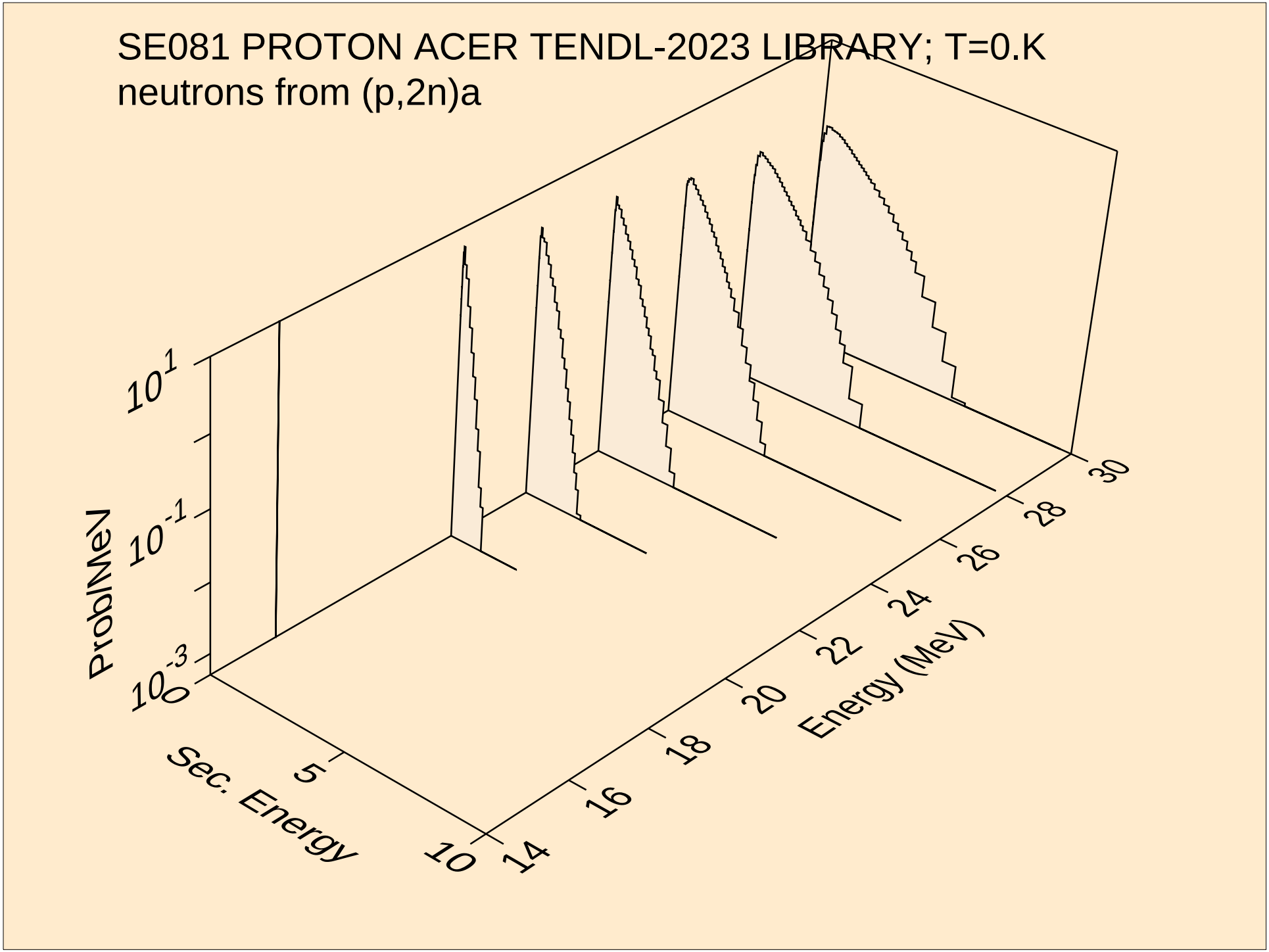

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)
Prob/MeV
10-2
10-4
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

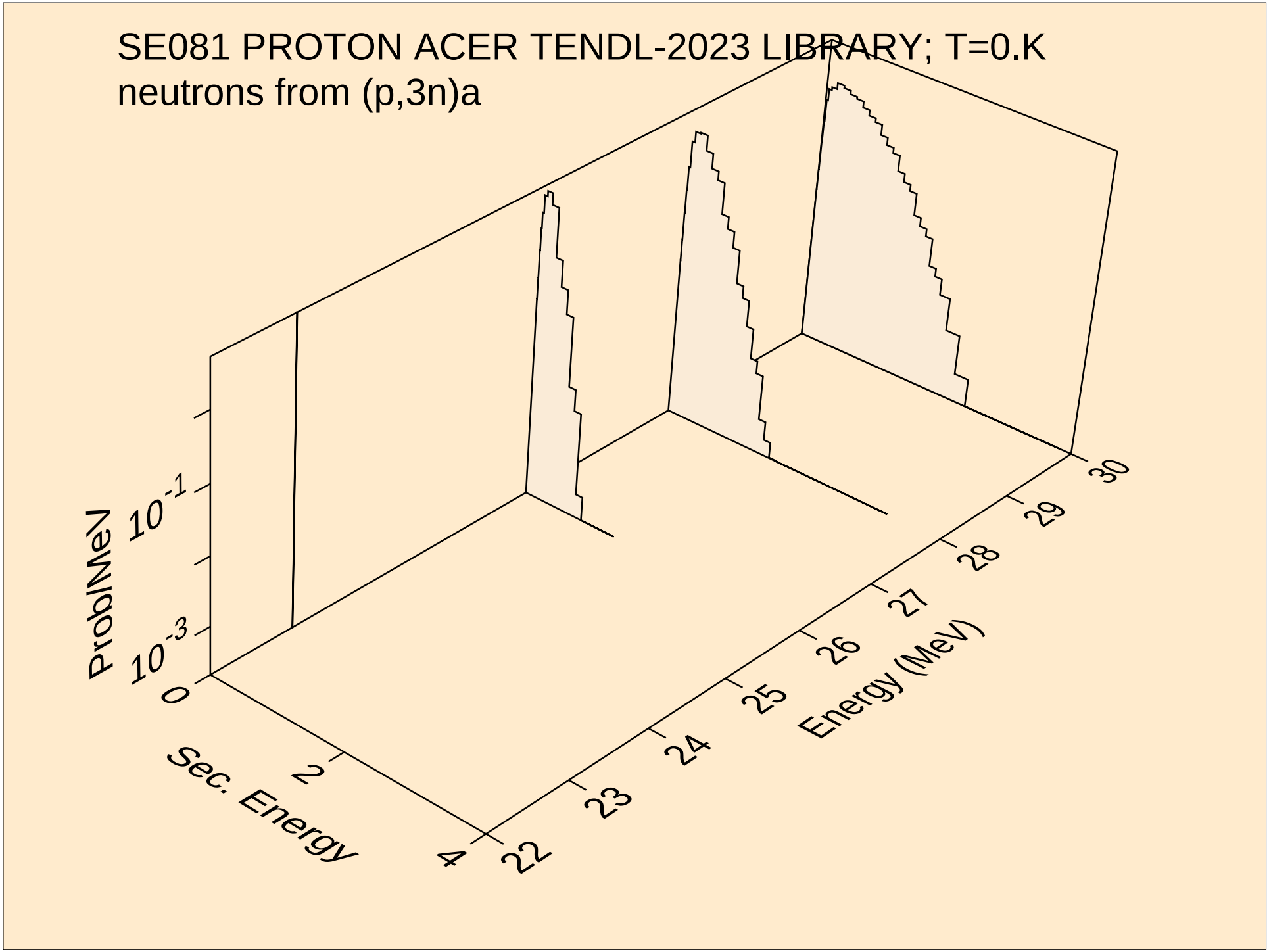

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2nd)
Prob/MeV
10^1
10^-1
10^-3
0
Sec. Energy
2
4
Energy (MeV)
20
22
24
26
28
30

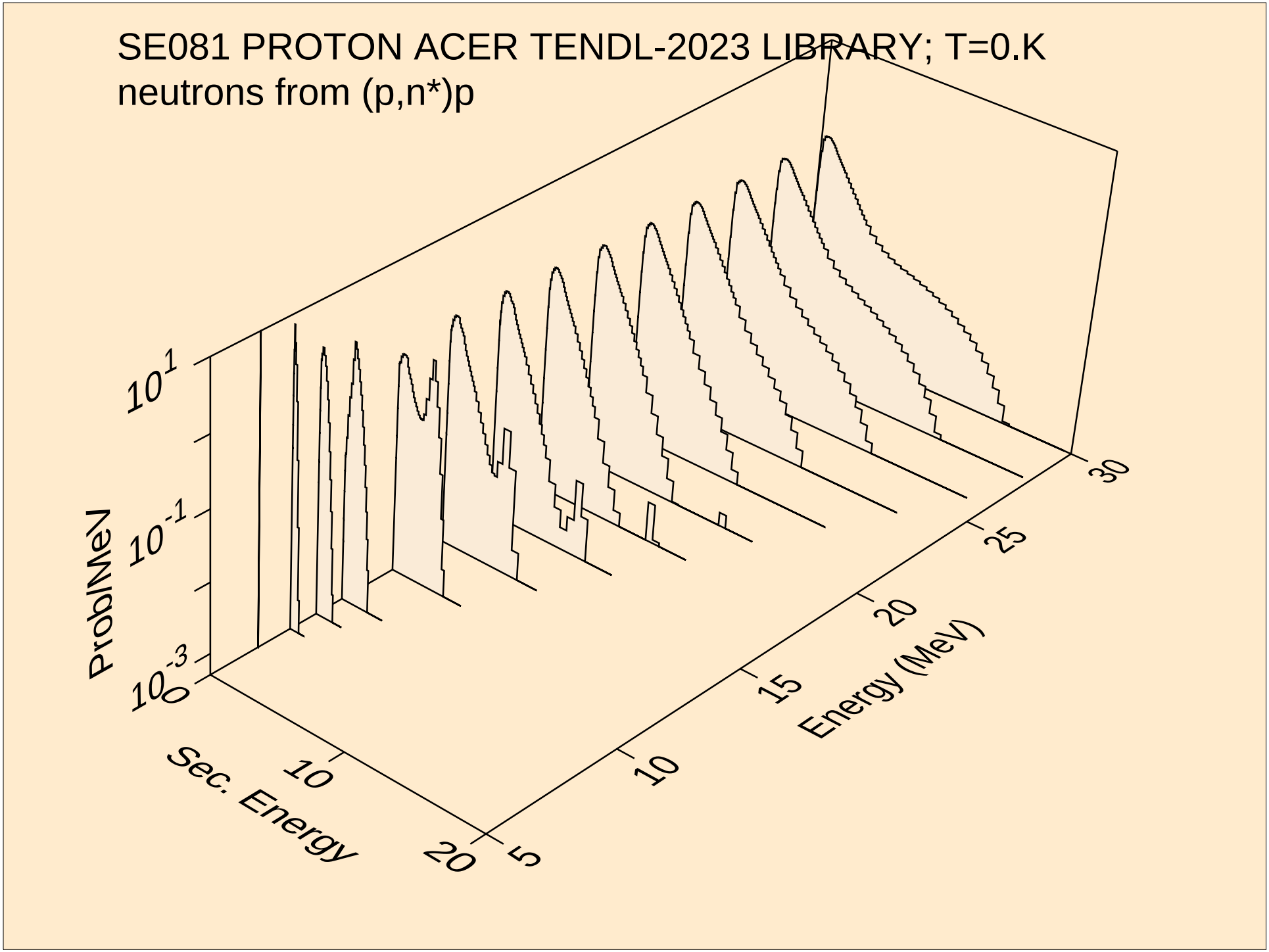

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

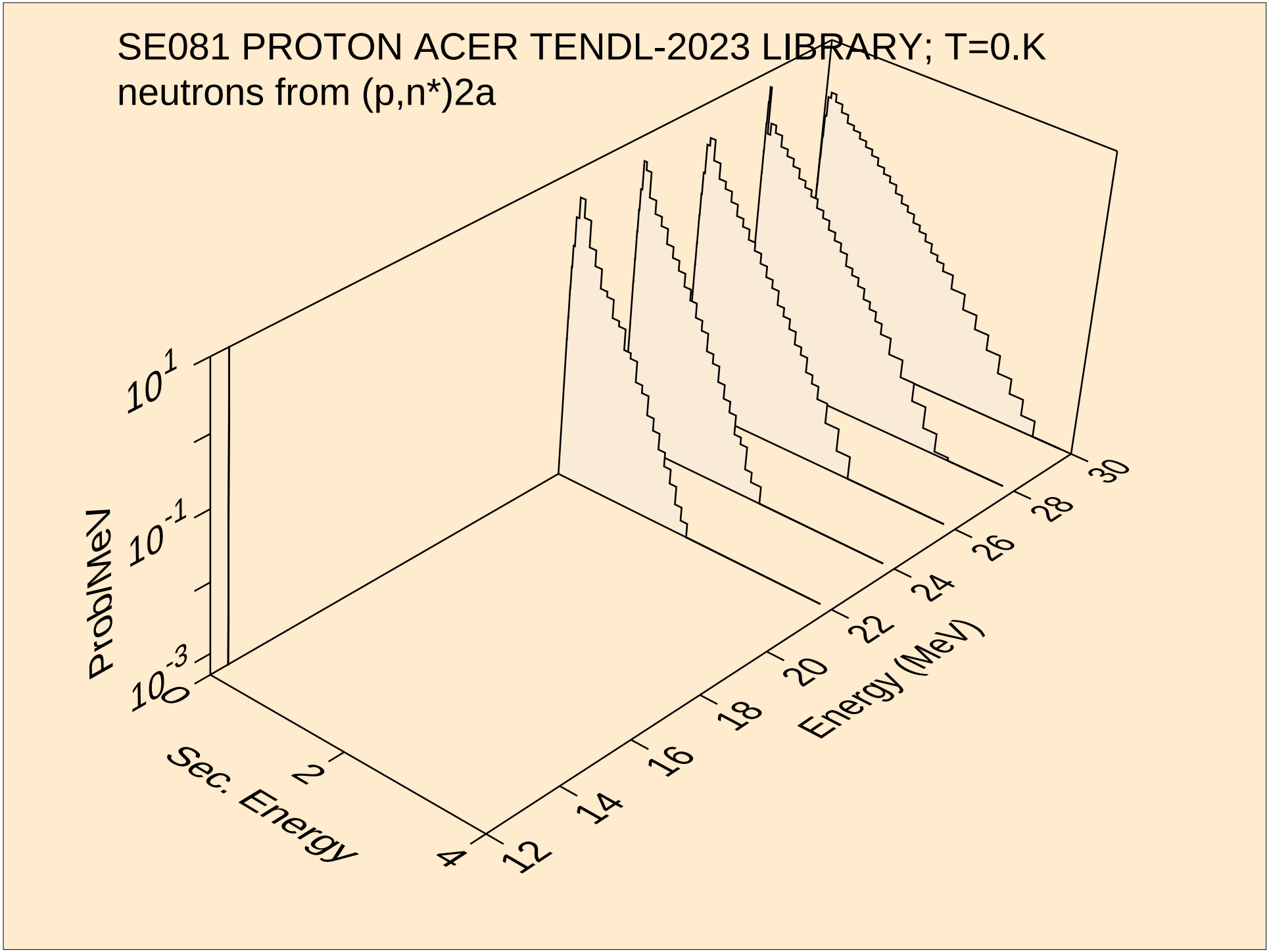

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
16
18
20
22
24
26
28
30
Energy (MeV)

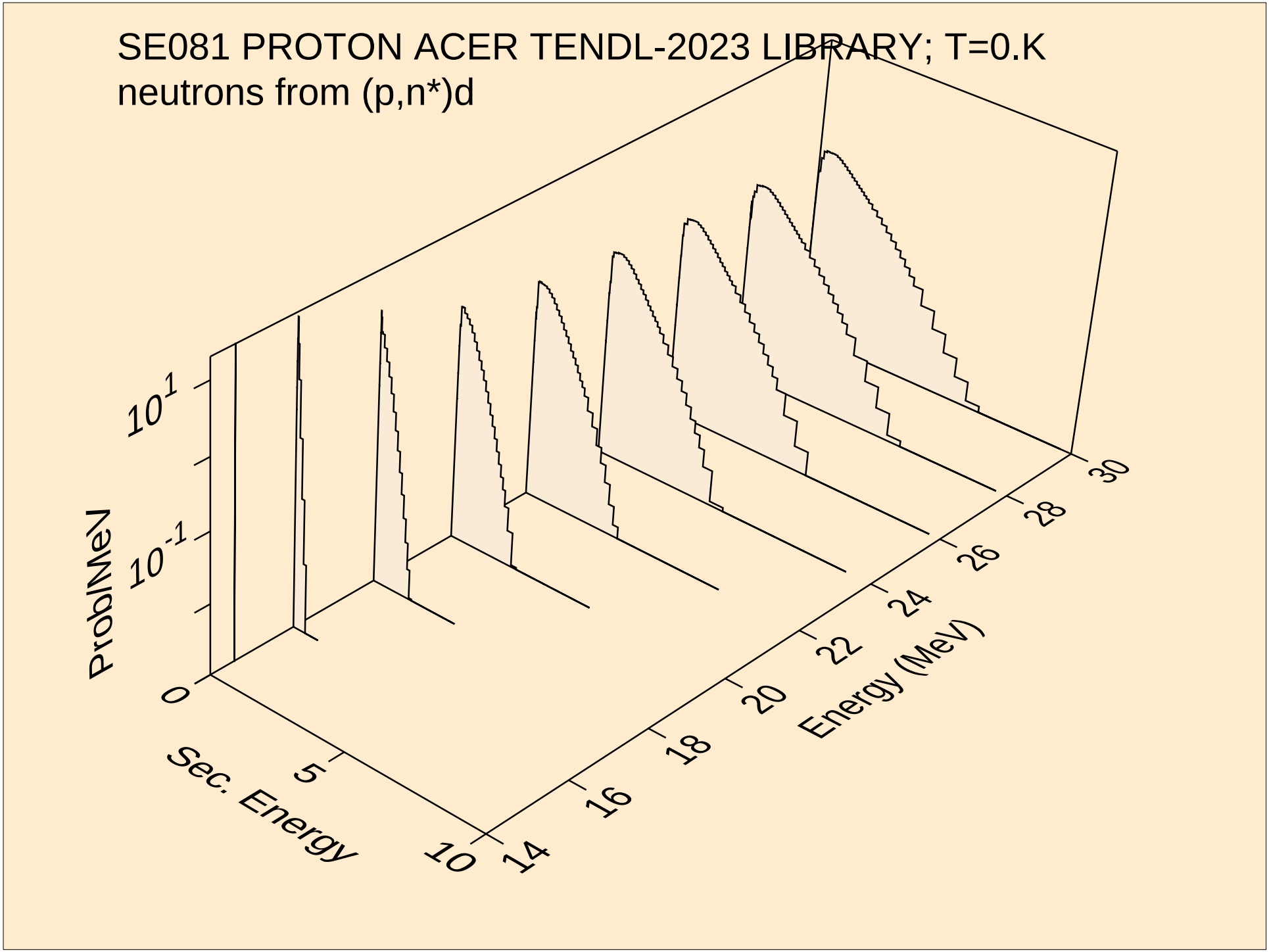

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a
Prob/MeV
10^1
10^-1
10^-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

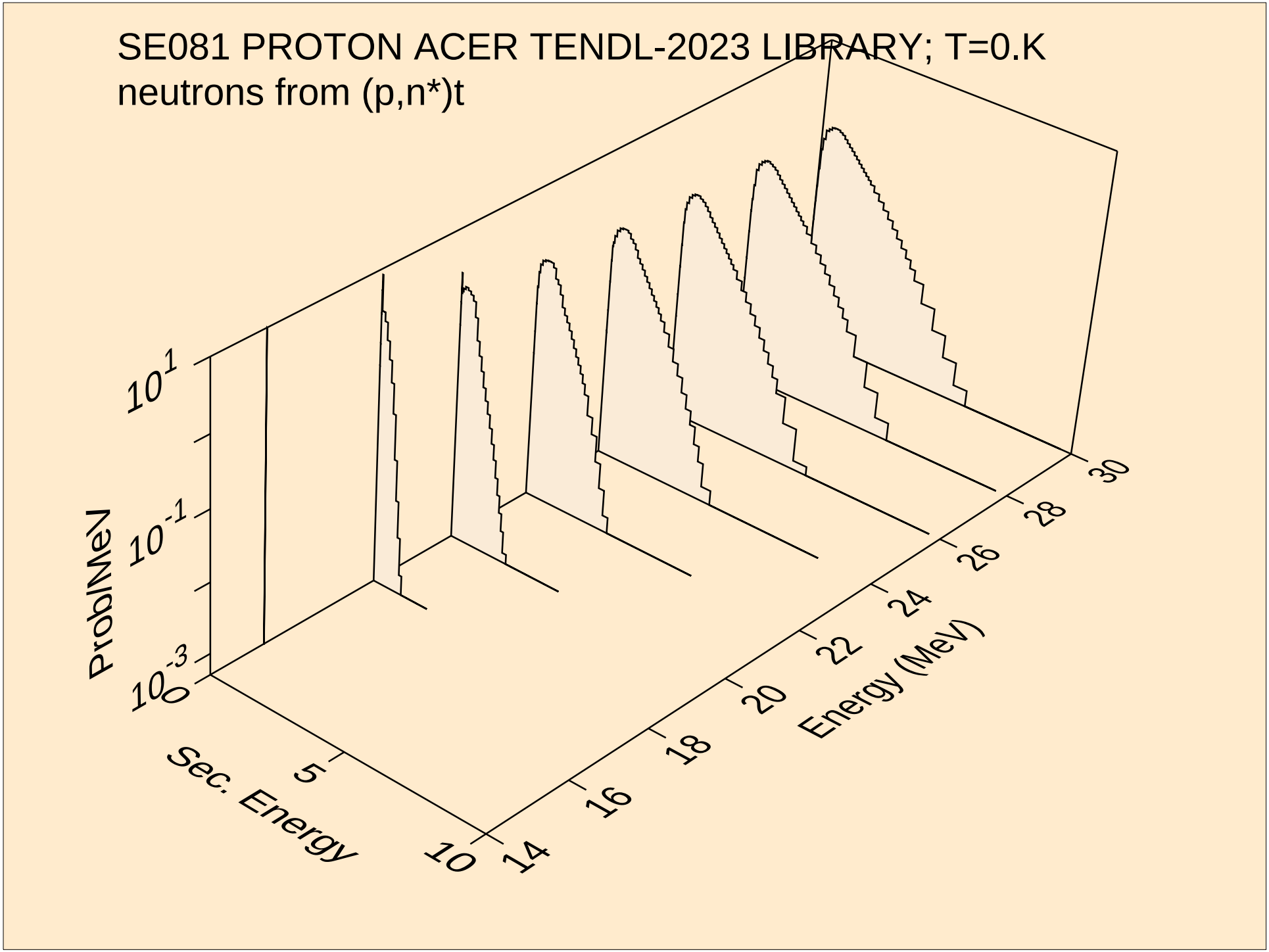

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a
Prob/MeV
10^1
10^-1
10^-3
0
5
10
14
16
18
20
22
24
26
28
30
Sec. Energy
Energy (MeV)

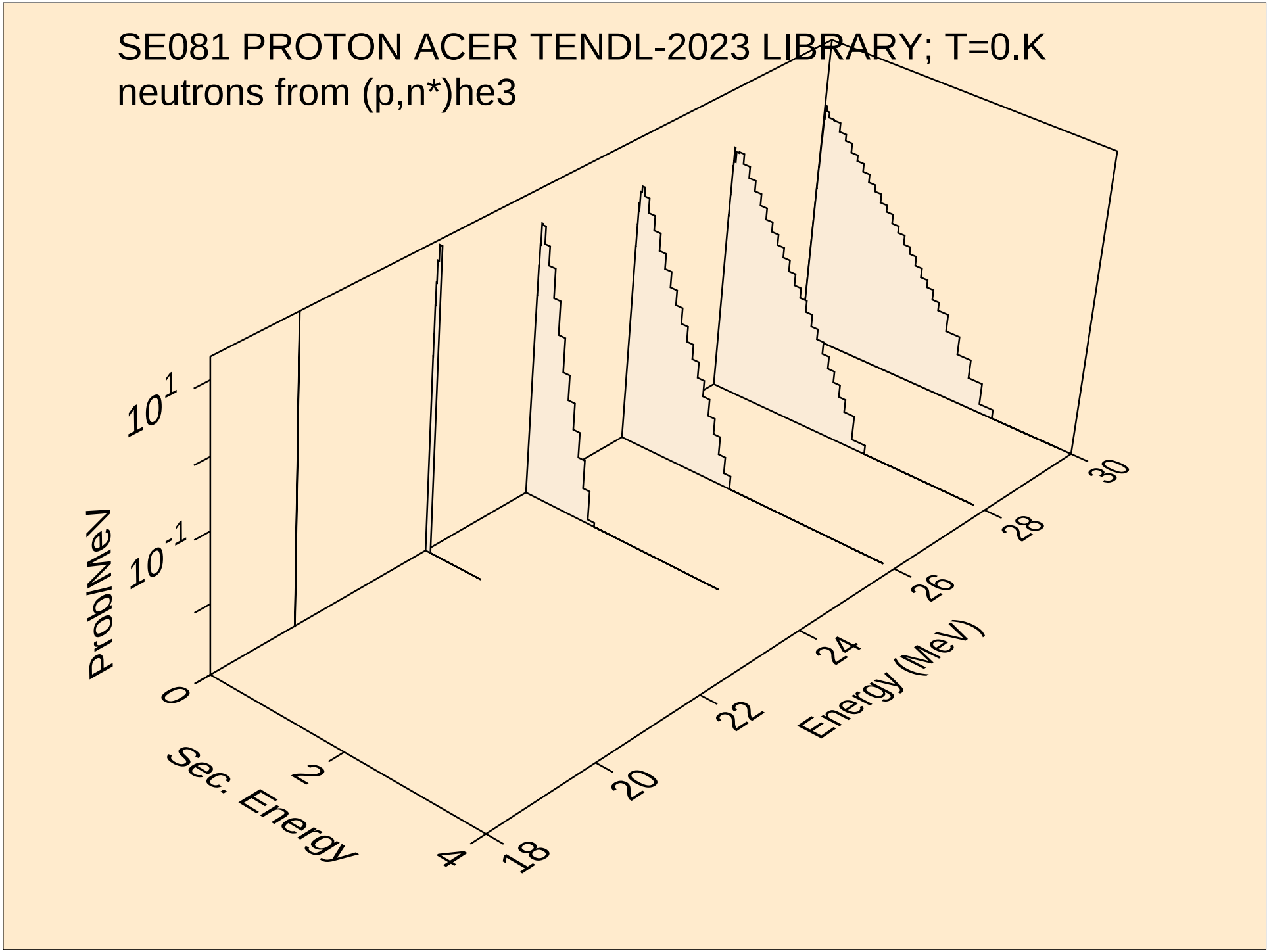

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)a
Prob/MeV
10-1
10-3
0
Sec. Energy
2
4
Energy (MeV)
22
23
24
25
26
27
28
29
30

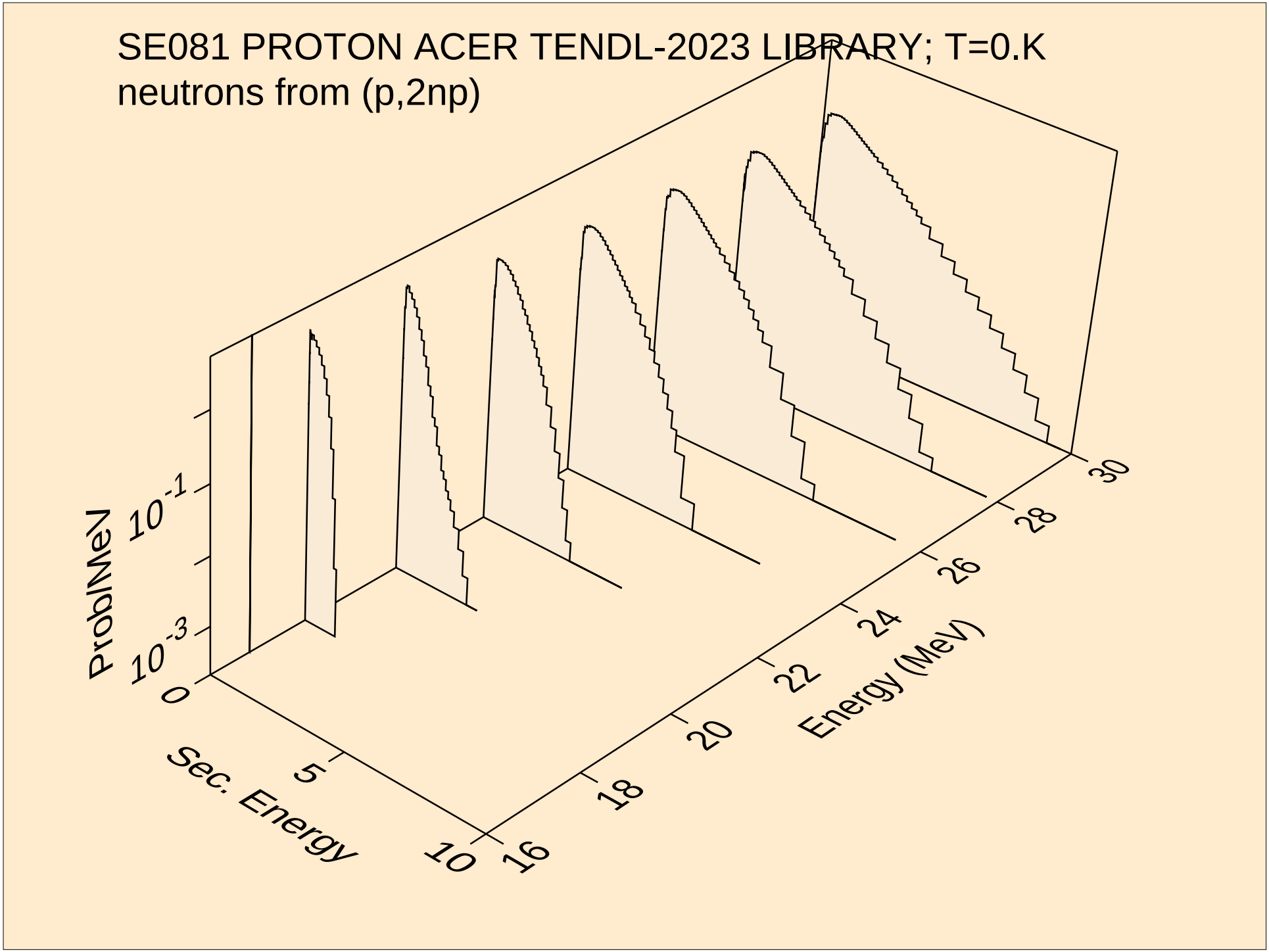

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p
Prob/MeV
10^1
10^-1
10^-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

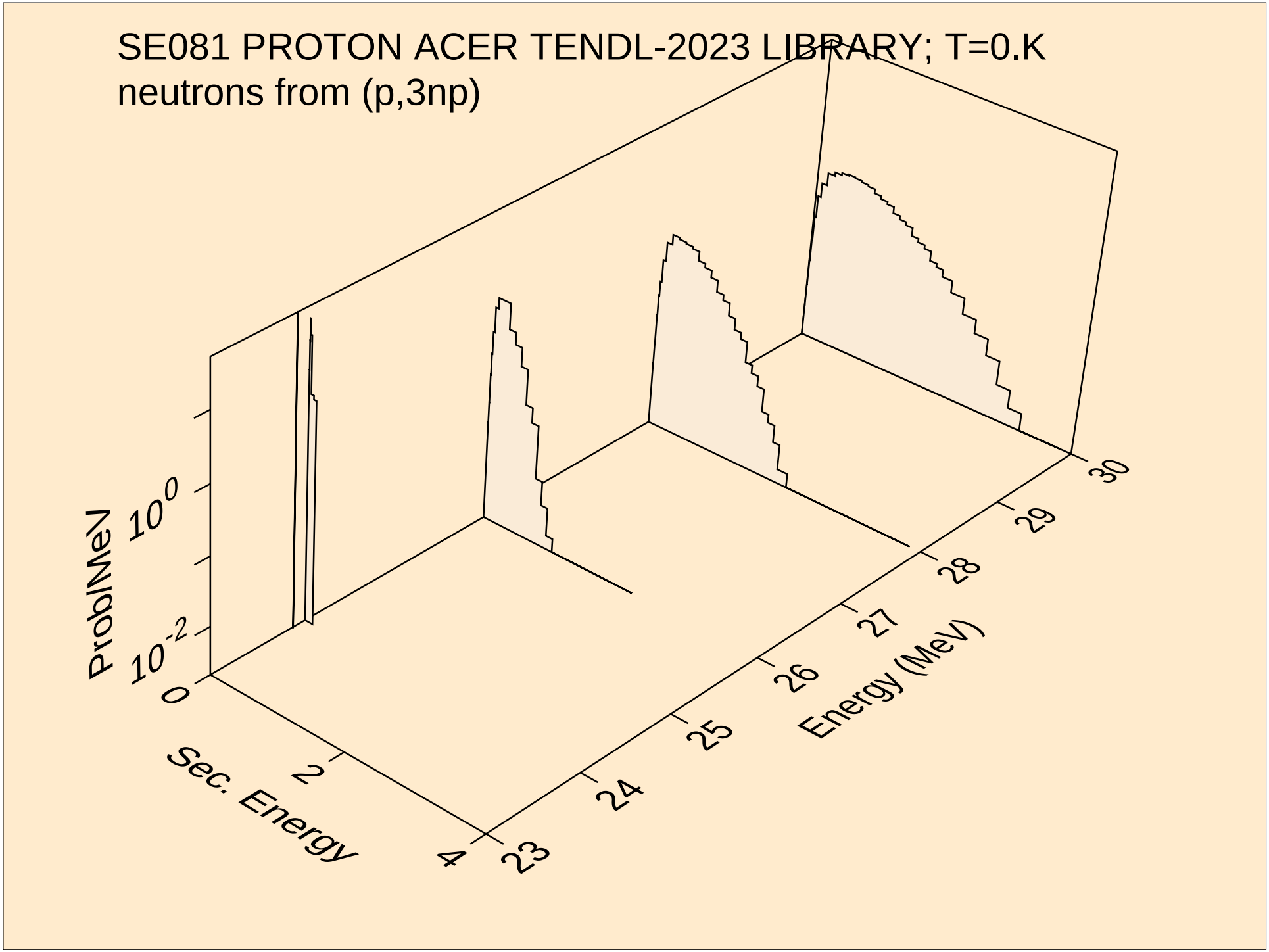

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)2a
Prob/MeV
10^1
10^-1
10^-3
0
Sec. Energy
2
4
Energy (MeV)
12
14
16
18
20
22
24
26
28
30

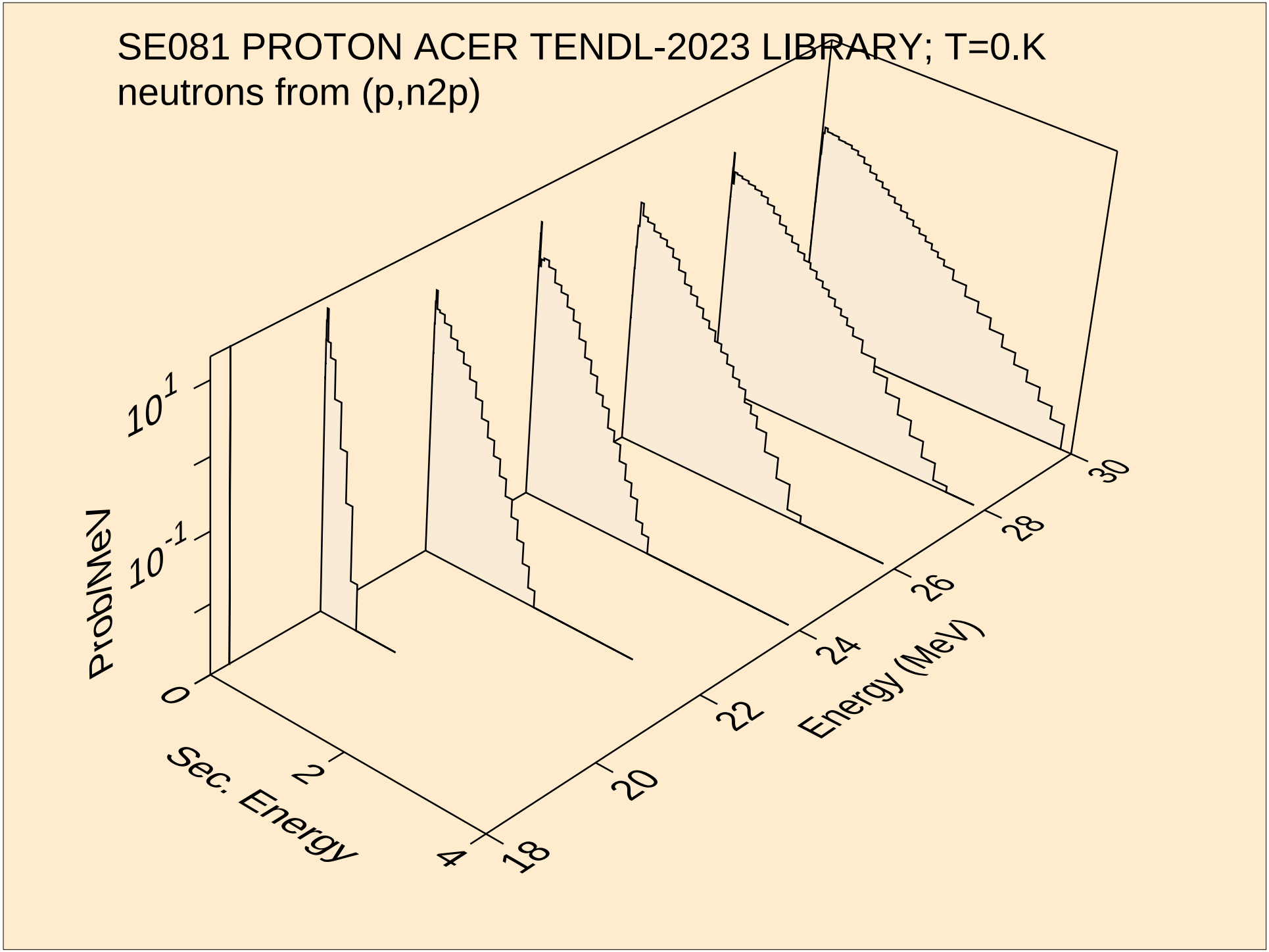

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d
Prob/MeV
10^1
10^-1
0
5
10
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

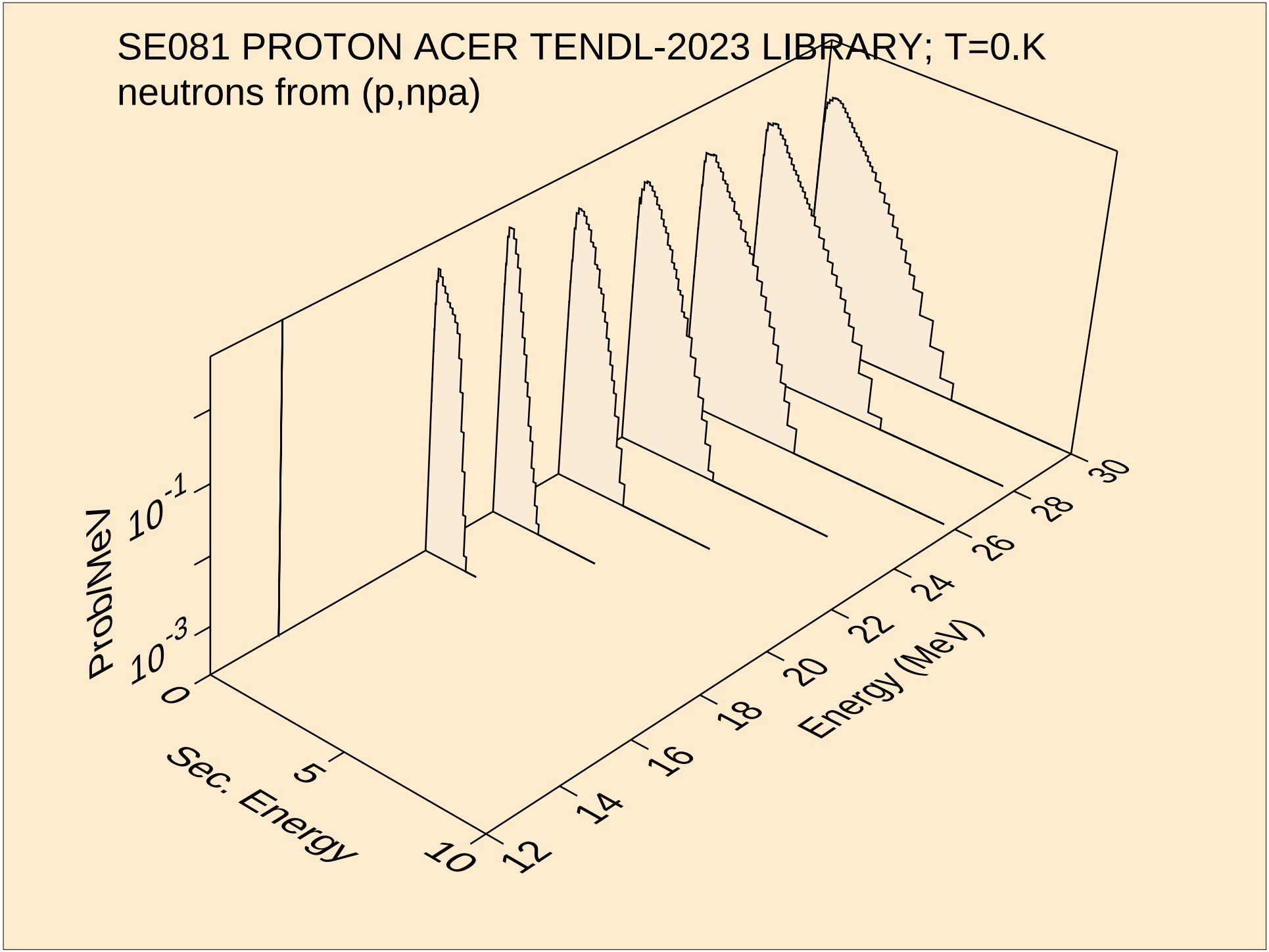

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)t
Prob/MeV
10^1
10^-1
10^-3
0
5
10
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

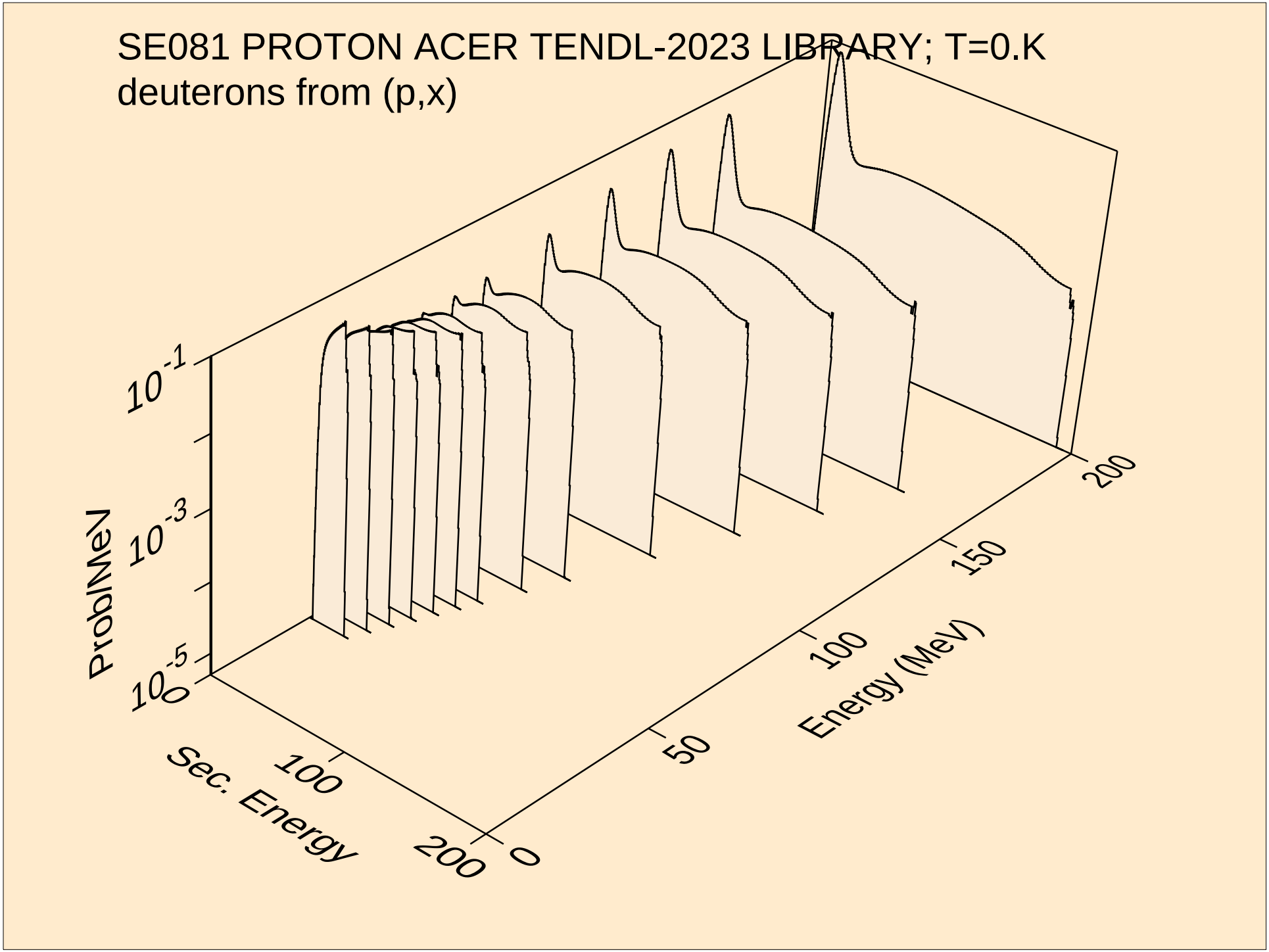

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3
Prob/MeV
10^1
10^-1
0
Sec. Energy
2
4
18
20
22
24
26
28
30
Energy (MeV)

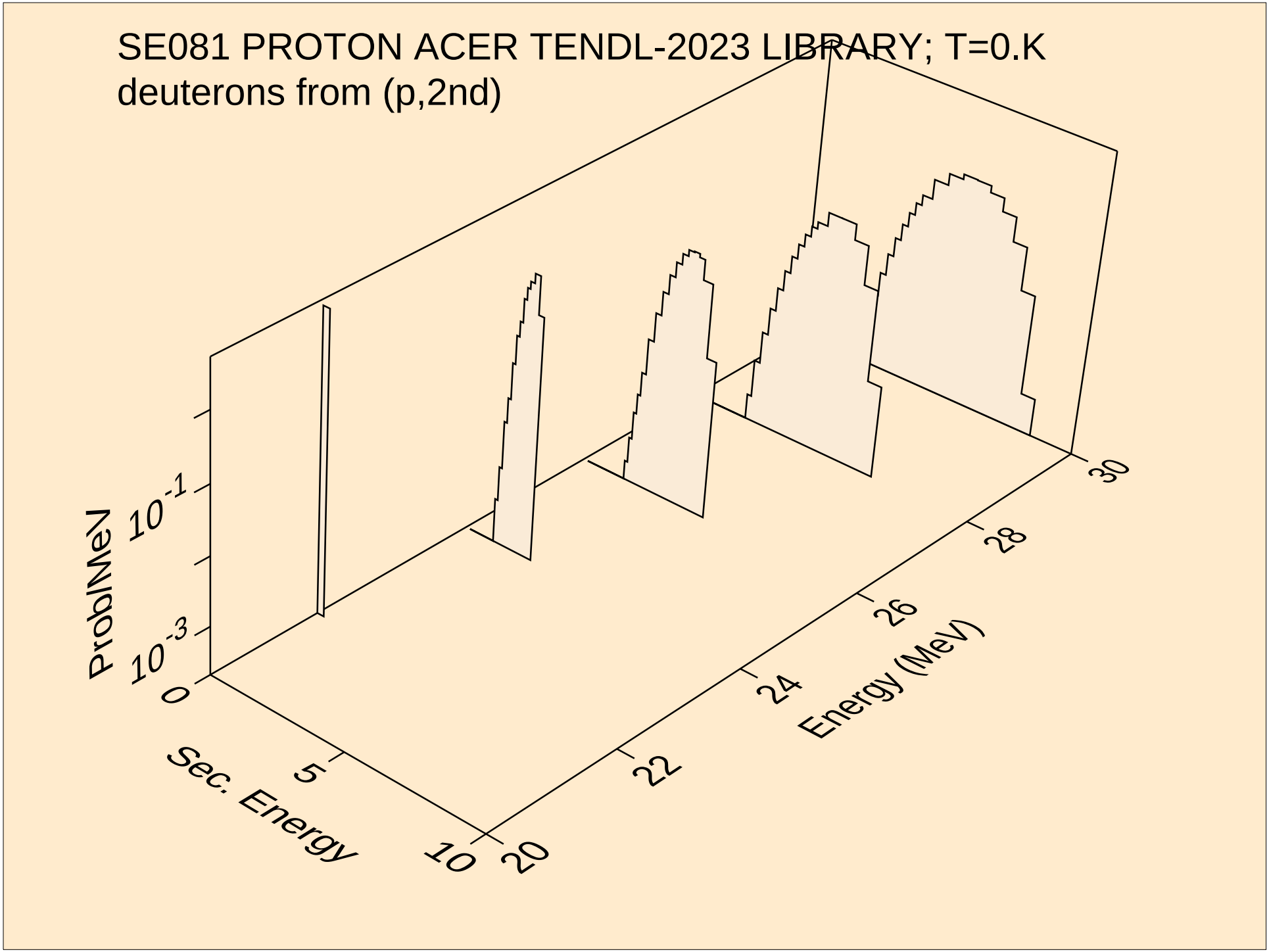

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2np)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
16
18
20
22
24
26
28
30
Energy (MeV)

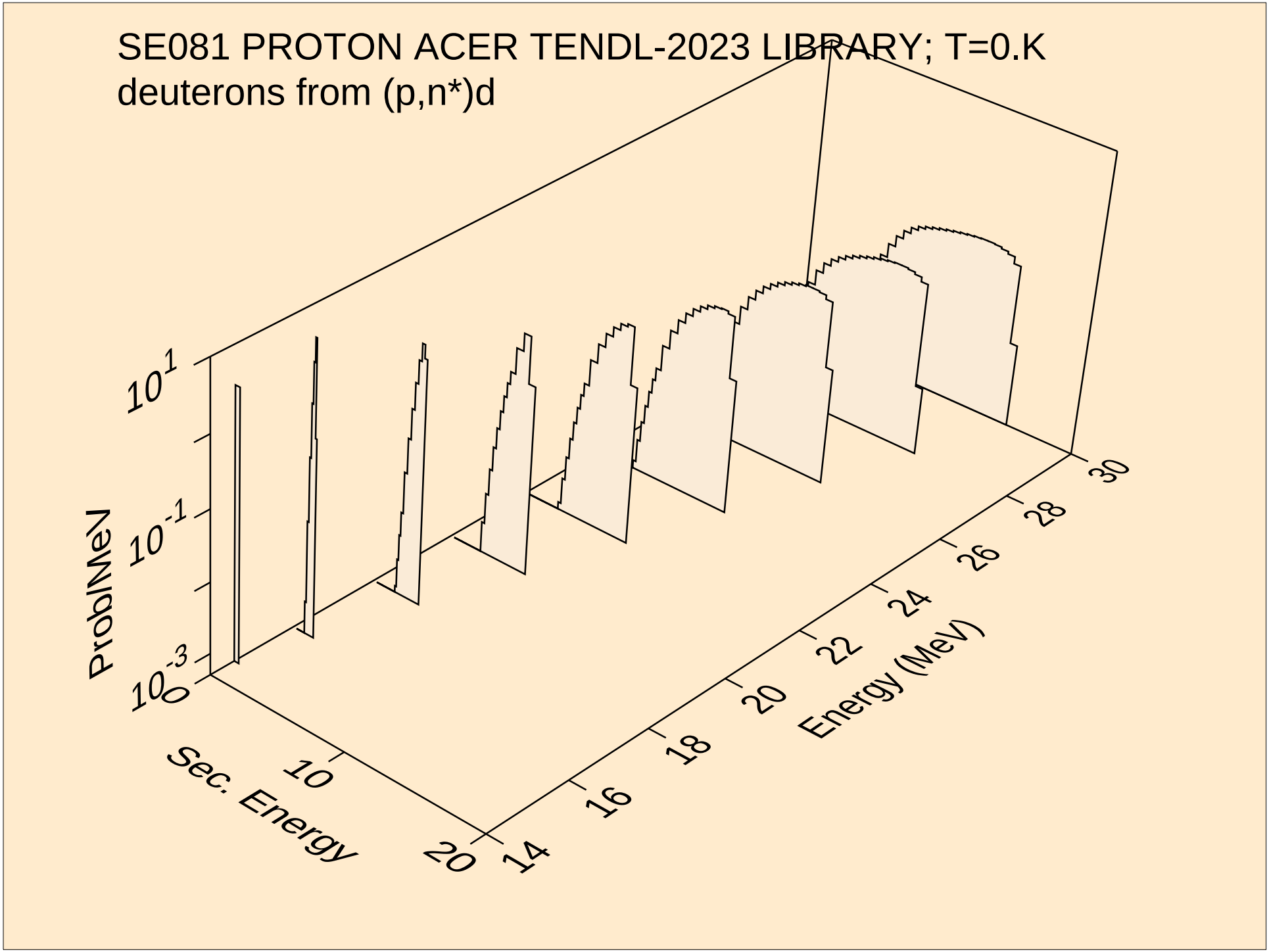

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3np)
Prob/MeV
$10^{0}$
$10^{-2}$
0
Sec. Energy
2
4
Energy (MeV)
23
24
25
26
27
28
29
30

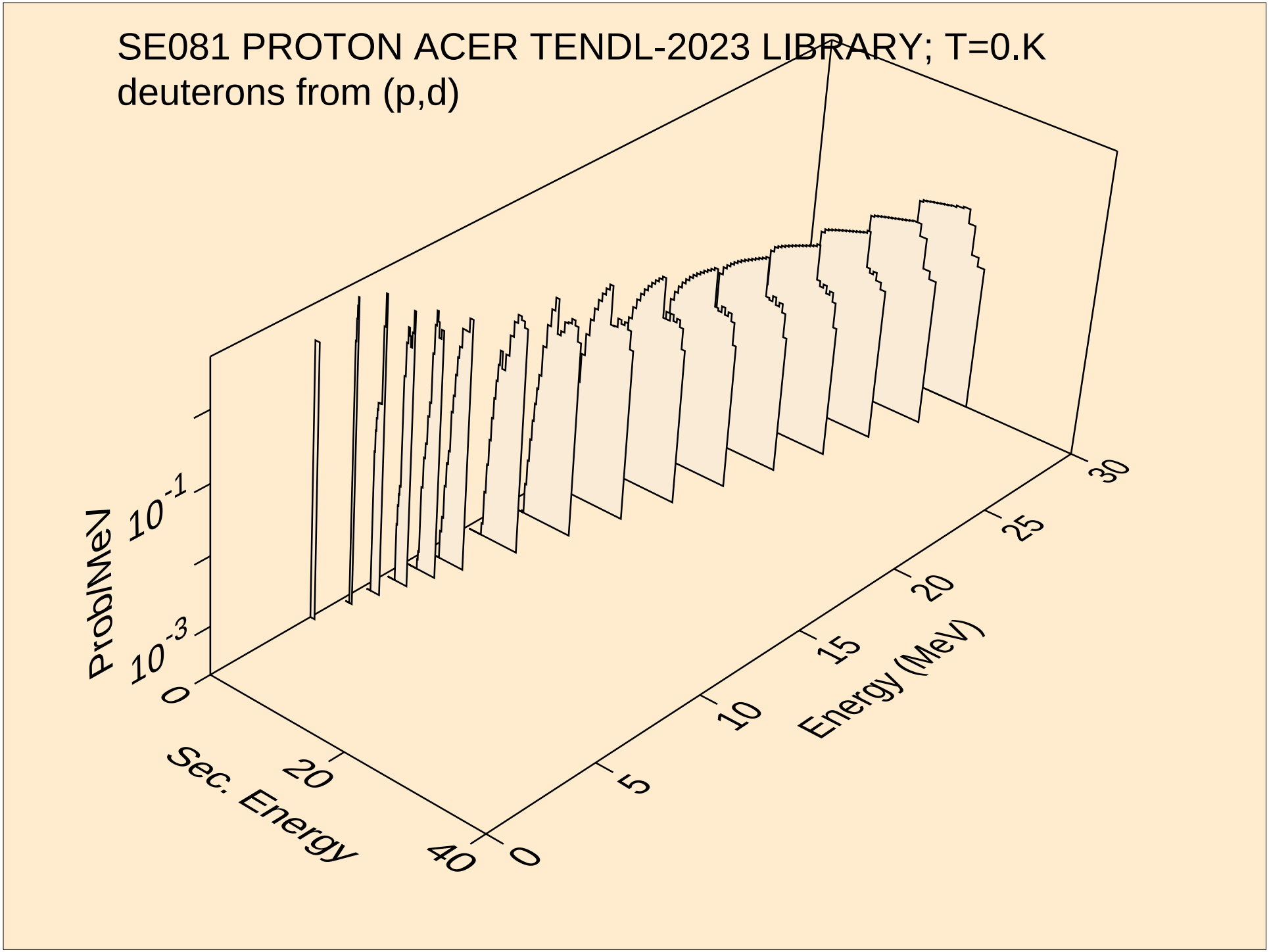

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)
Prob/MeV
10^1
10^-1
0
Sec. Energy
2
4
18
20
22
24
26
28
30
Energy (MeV)

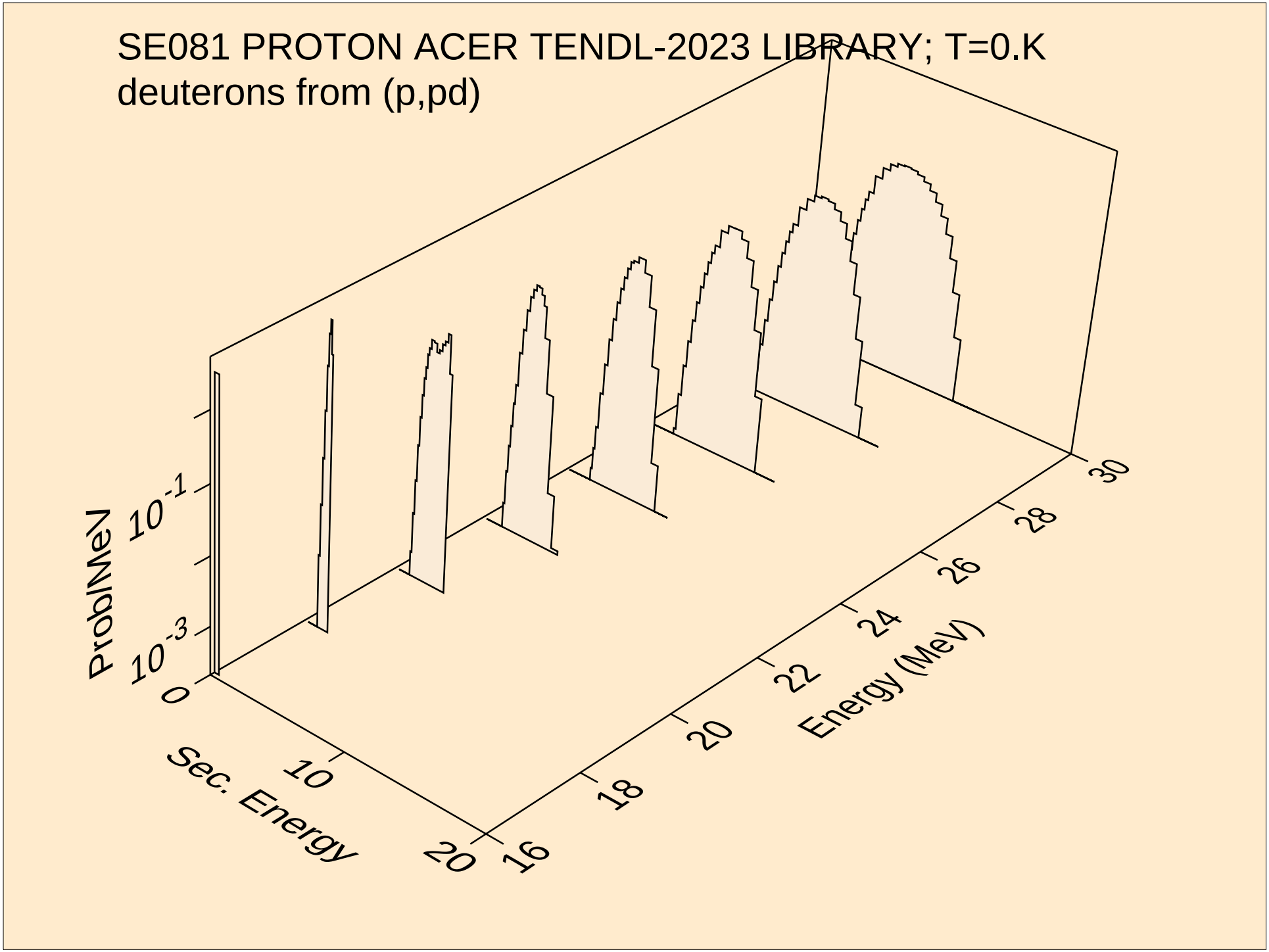

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,npa)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

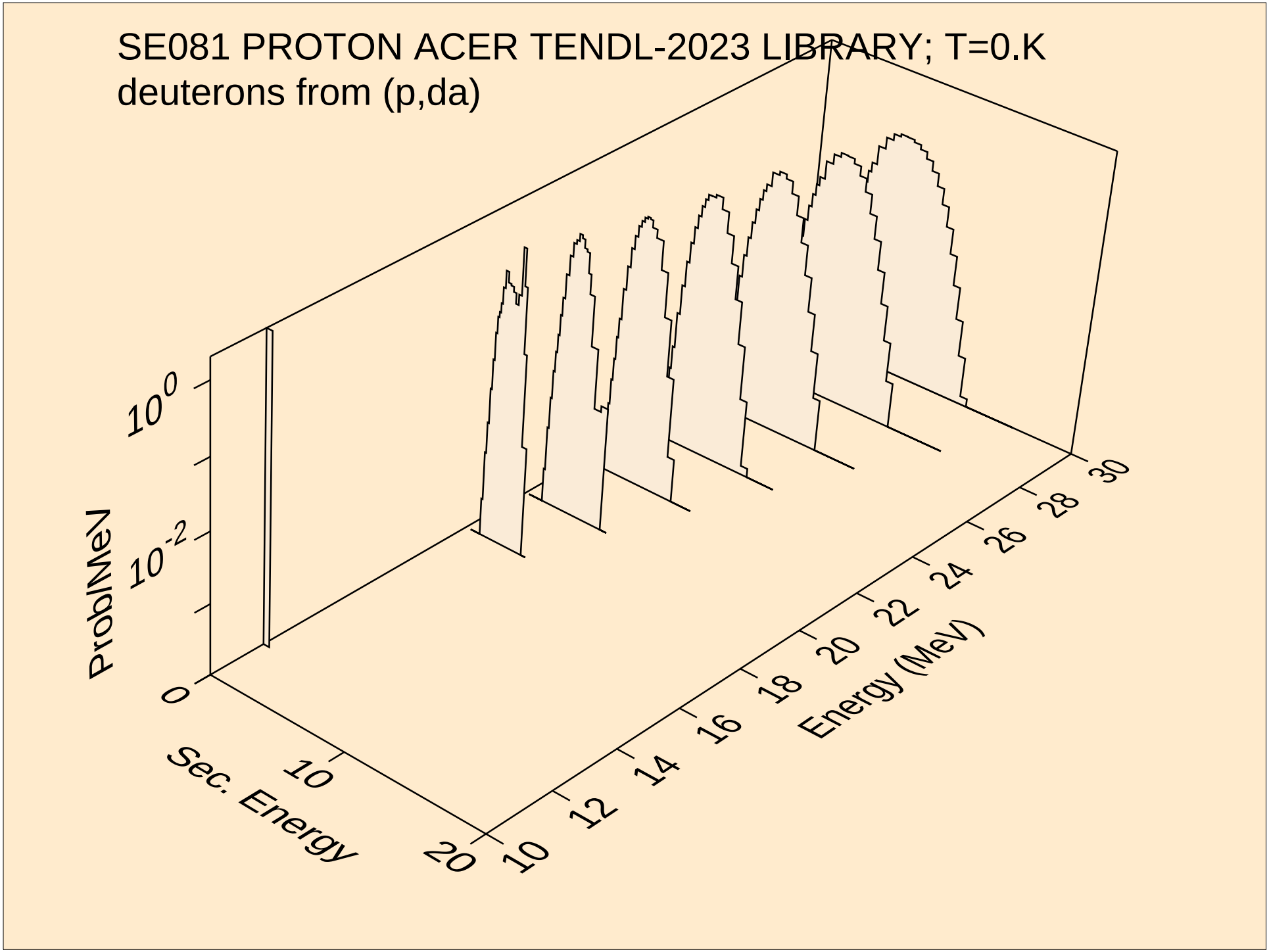

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

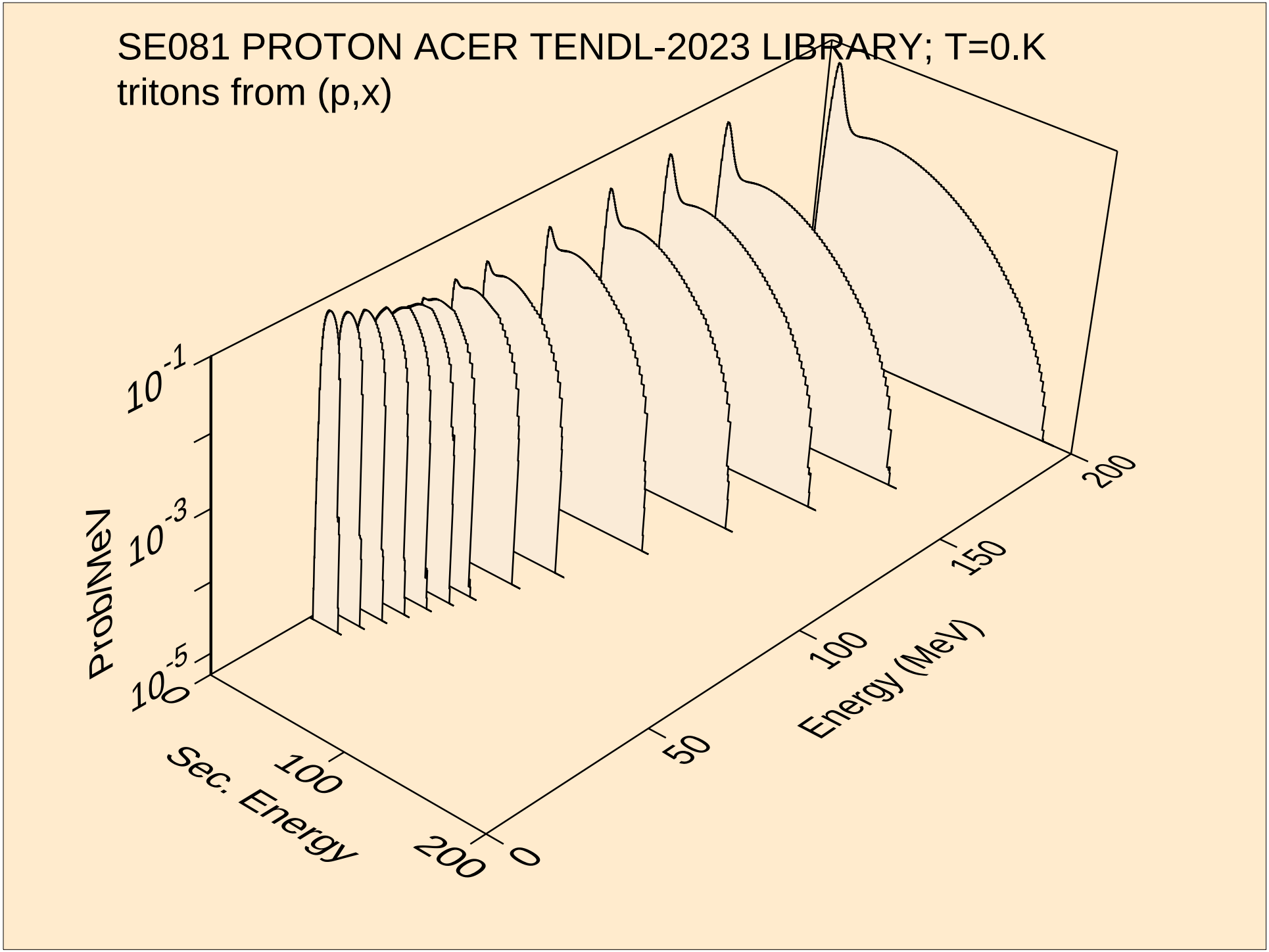

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,2nd)
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
20
22
24
26
28
30
Energy (MeV)

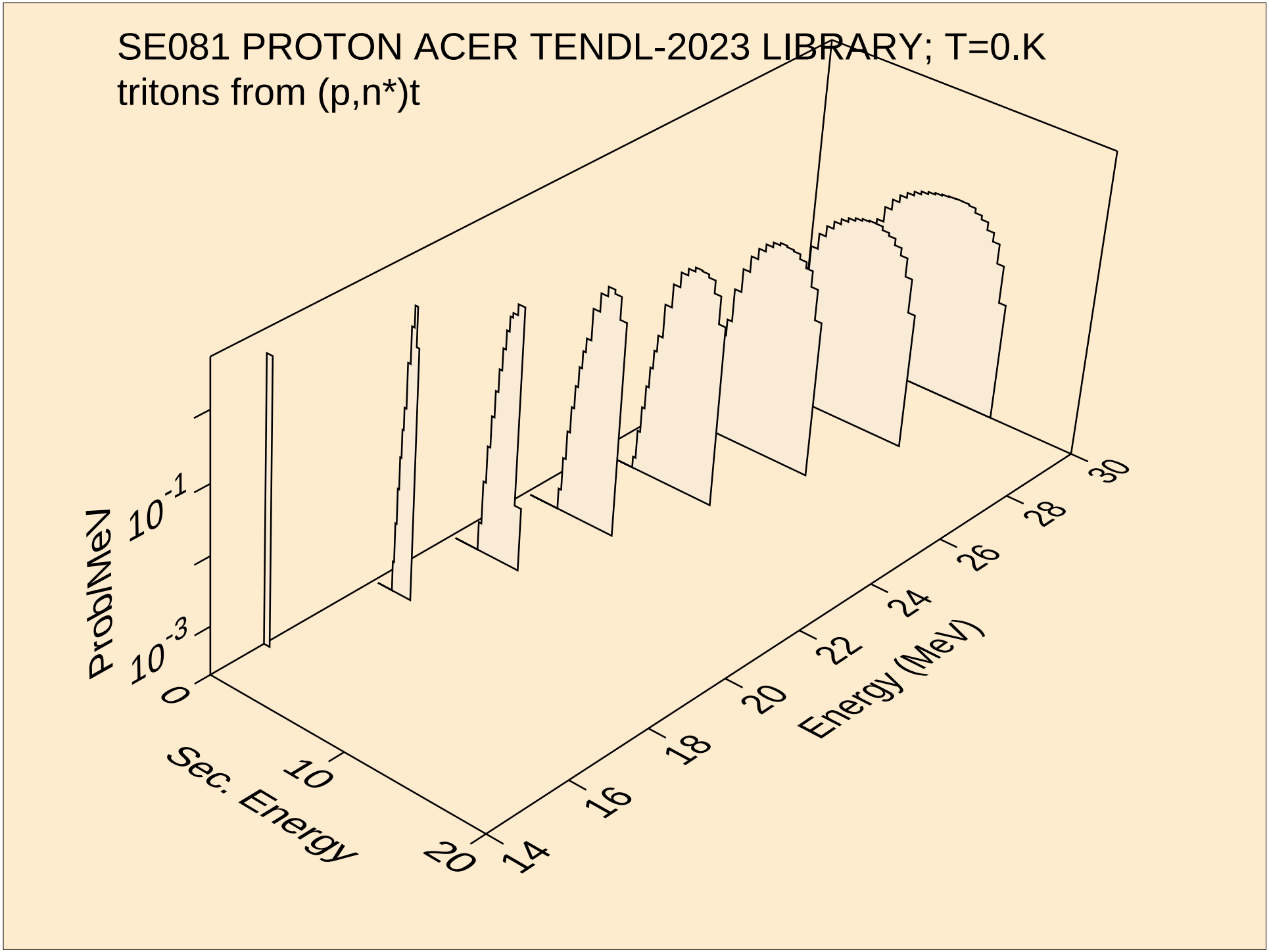

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d
Prob/MeV
$10^{1}$
$10^{-1}$
$10^{-3}$
0
10
20
Sec. Energy
14
16
18
20
22
24
26
28
30
Energy (MeV)

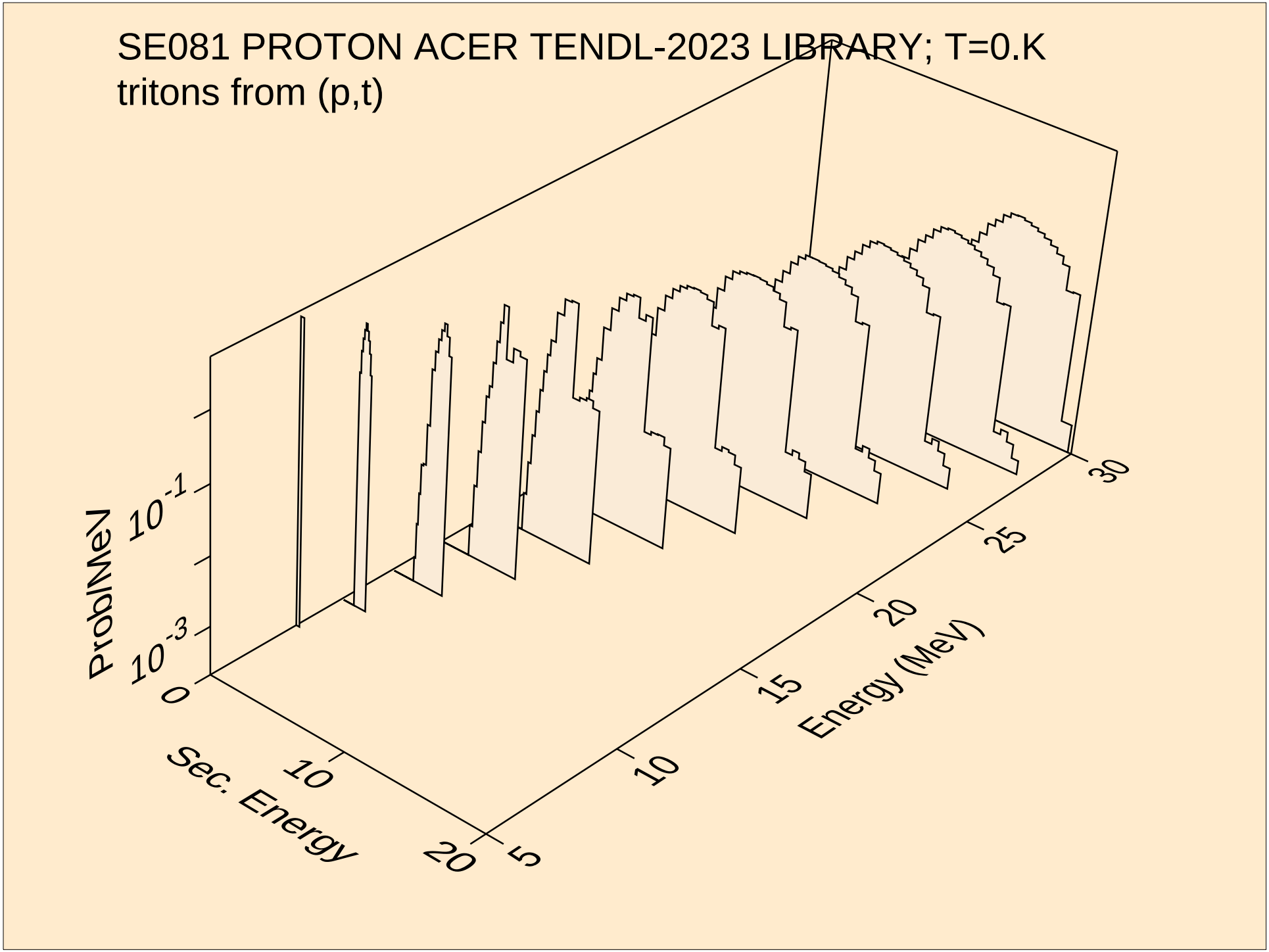

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,d)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)

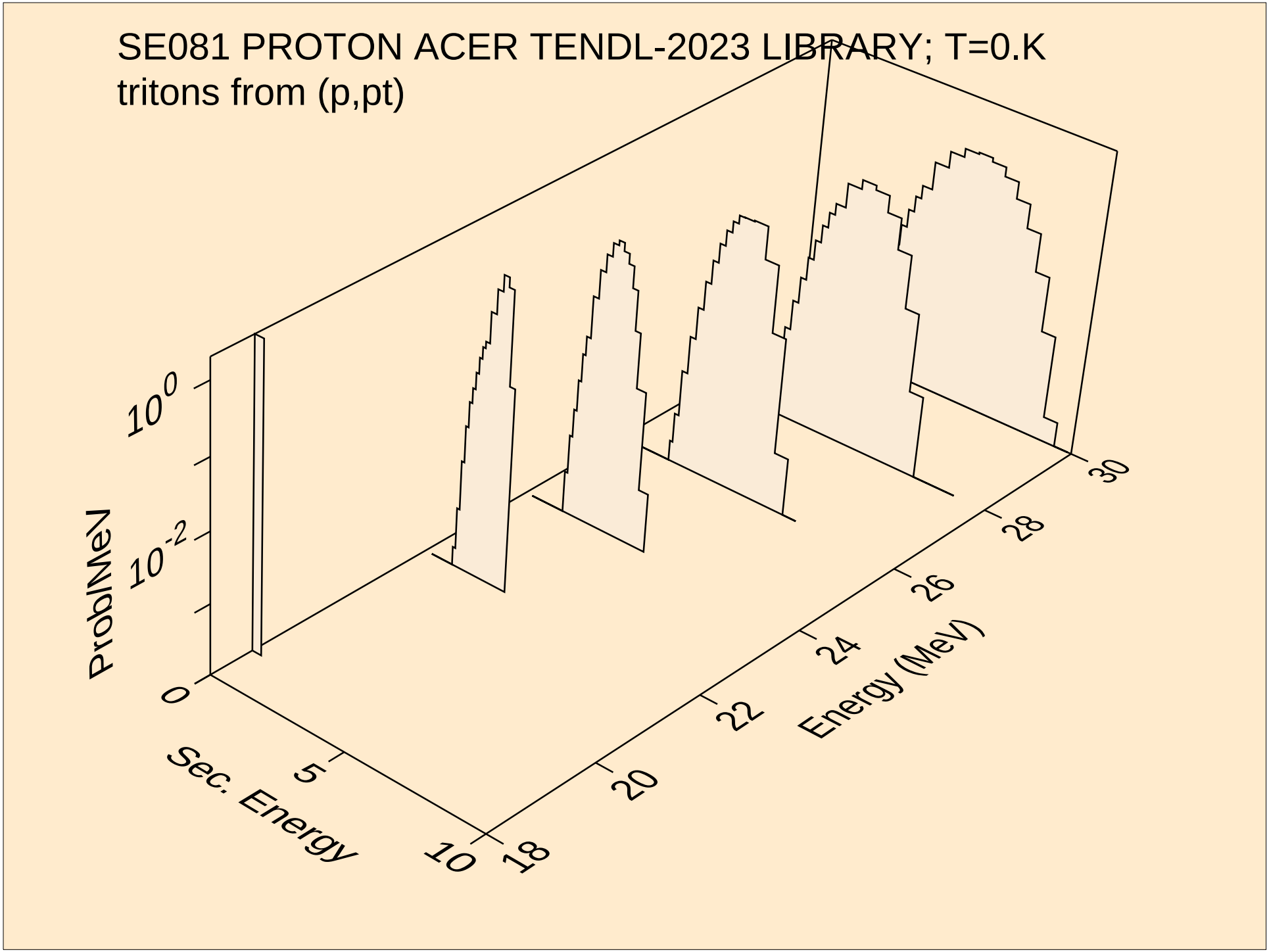

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,pd)
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
16
18
20
22
24
26
28
30
Energy (MeV)

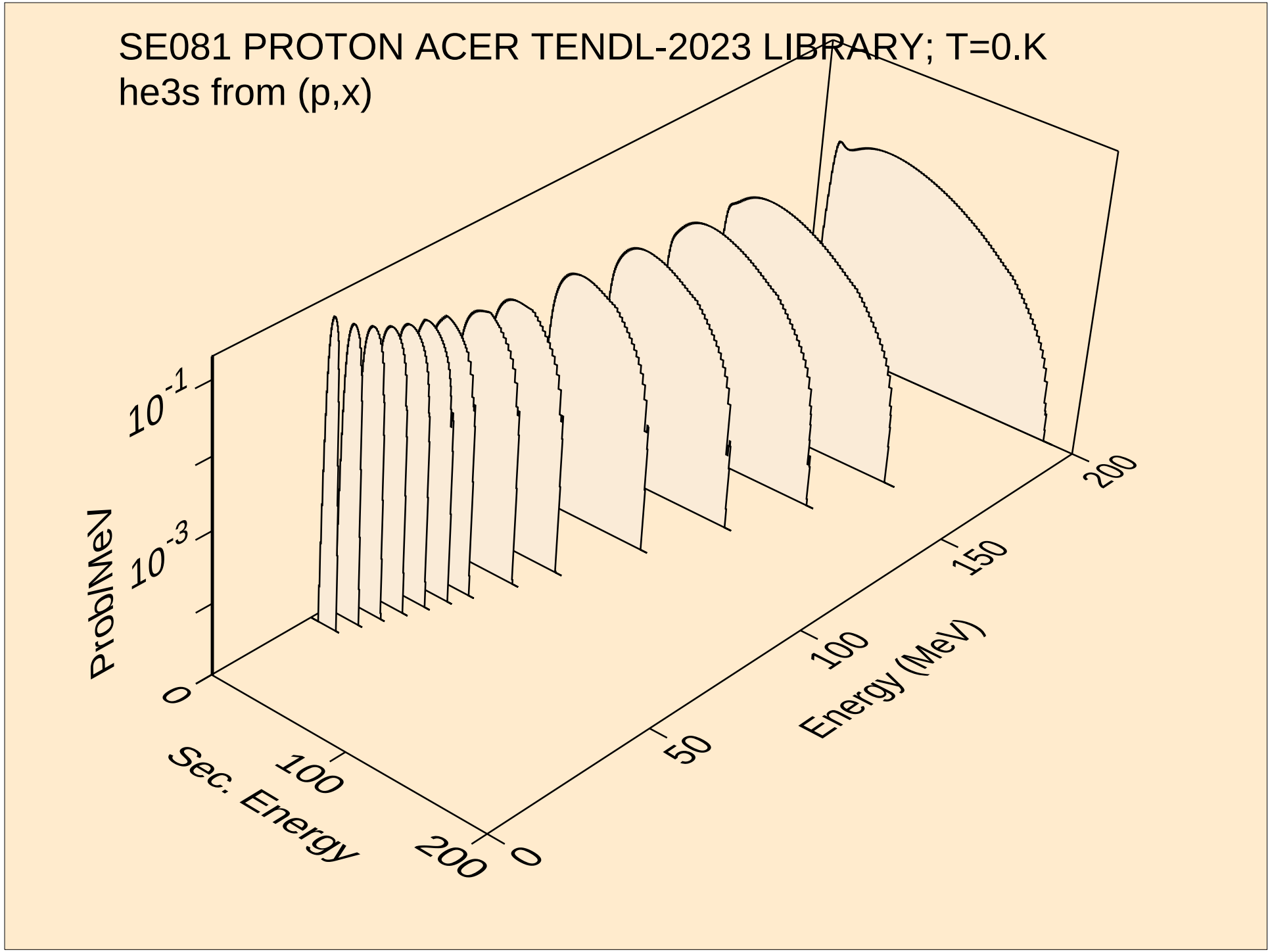

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,da)
Prob/MeV
$10^{0}$
$10^{-2}$
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

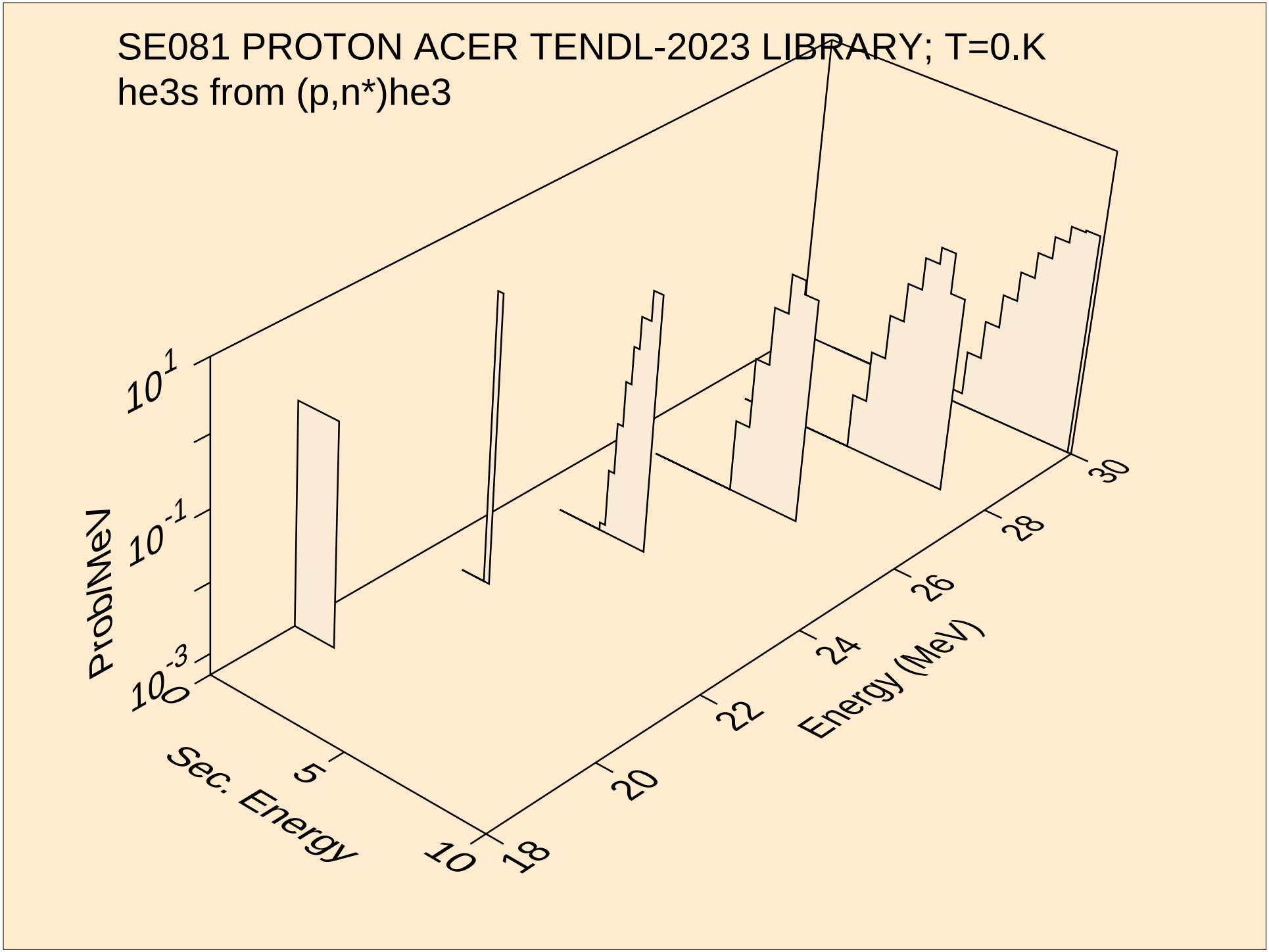

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)

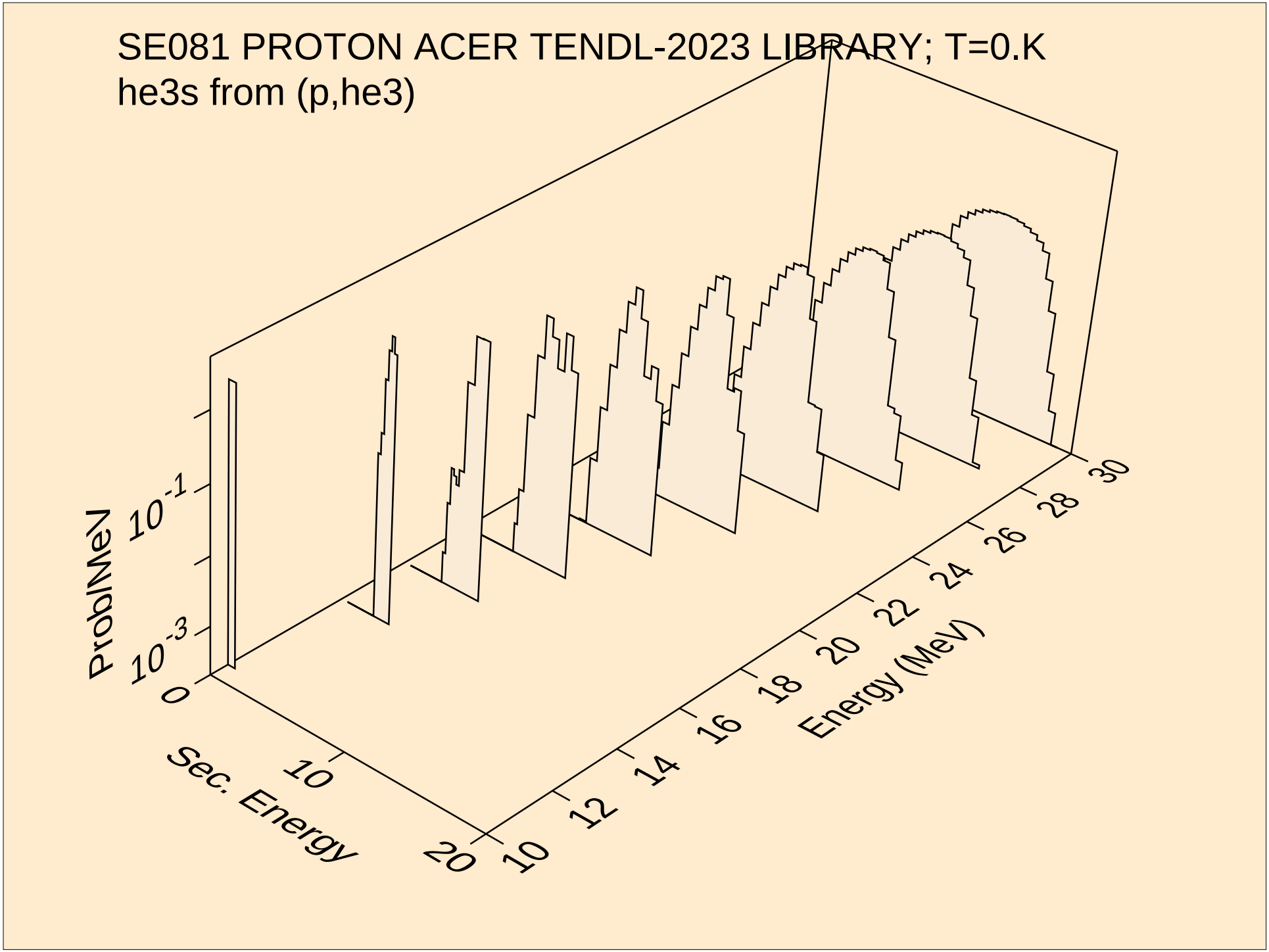

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,n*)t
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
Energy (MeV)
14
16
18
20
22
24
26
28
30

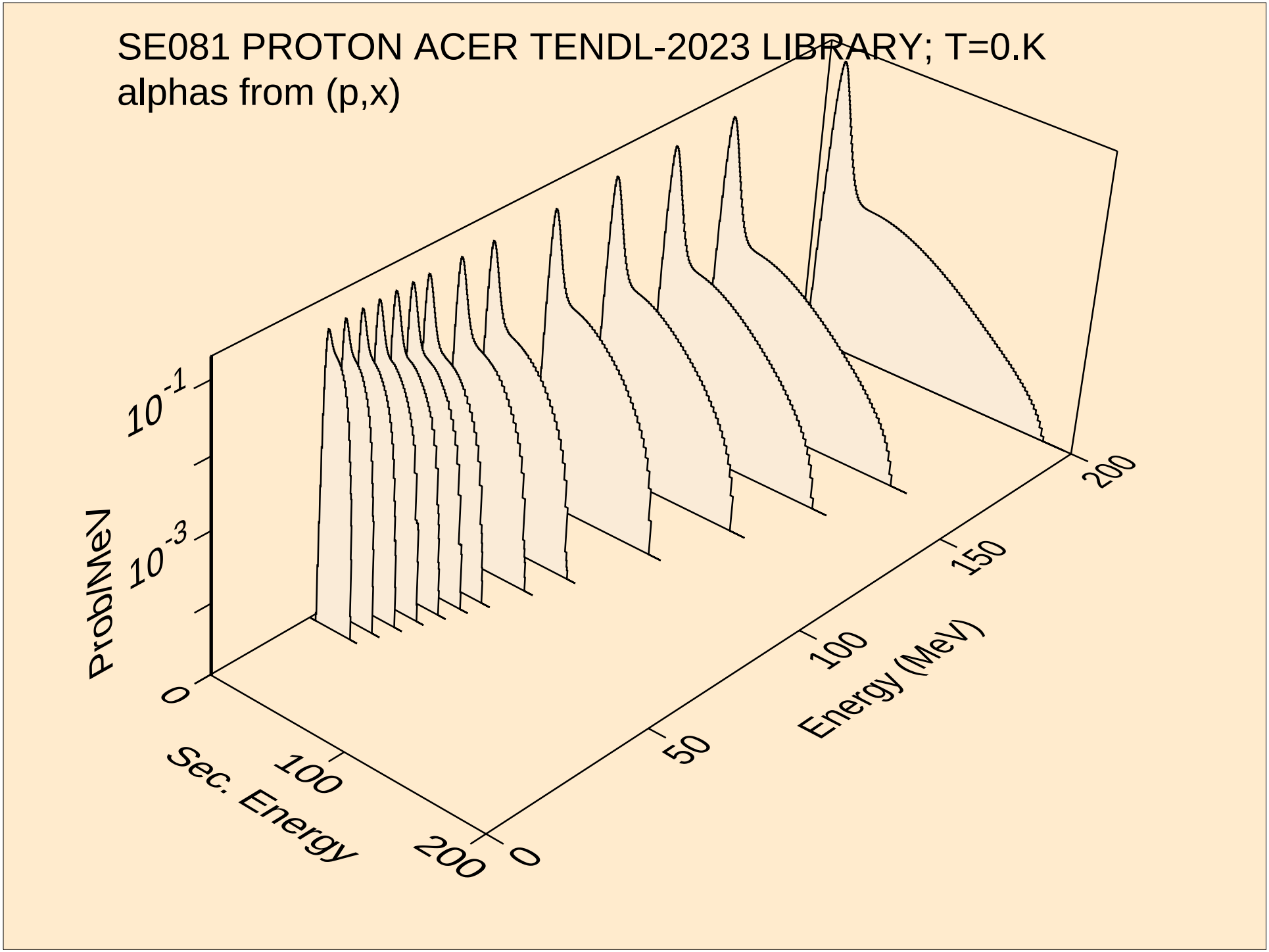

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,t)
Prob/MeV
10-1
10-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)

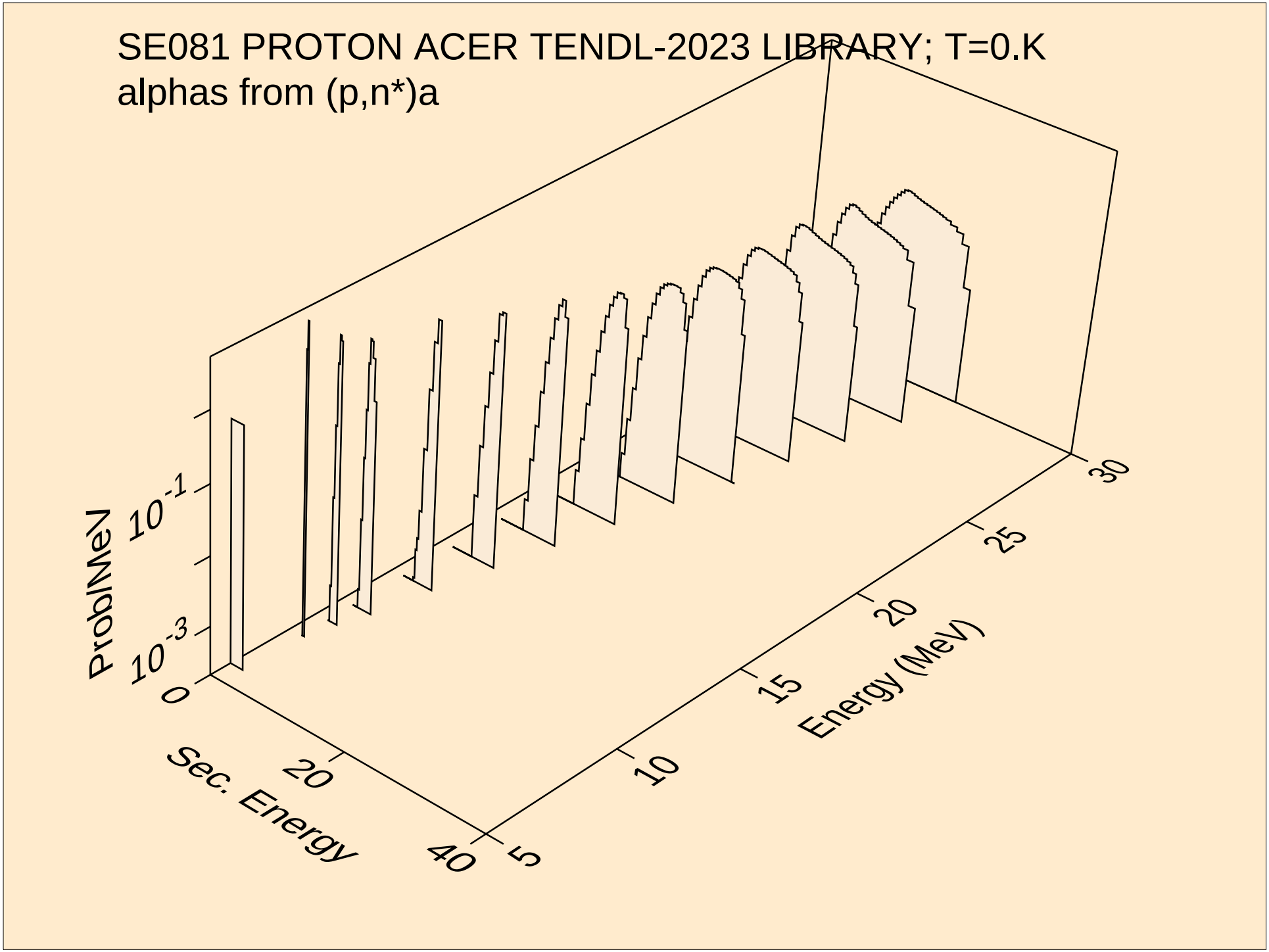

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,pt)
Prob/MeV
$10^{0}$
$10^{-2}$
0
5
10
18
Sec. Energy
20
22
24
26
28
30
Energy (MeV)

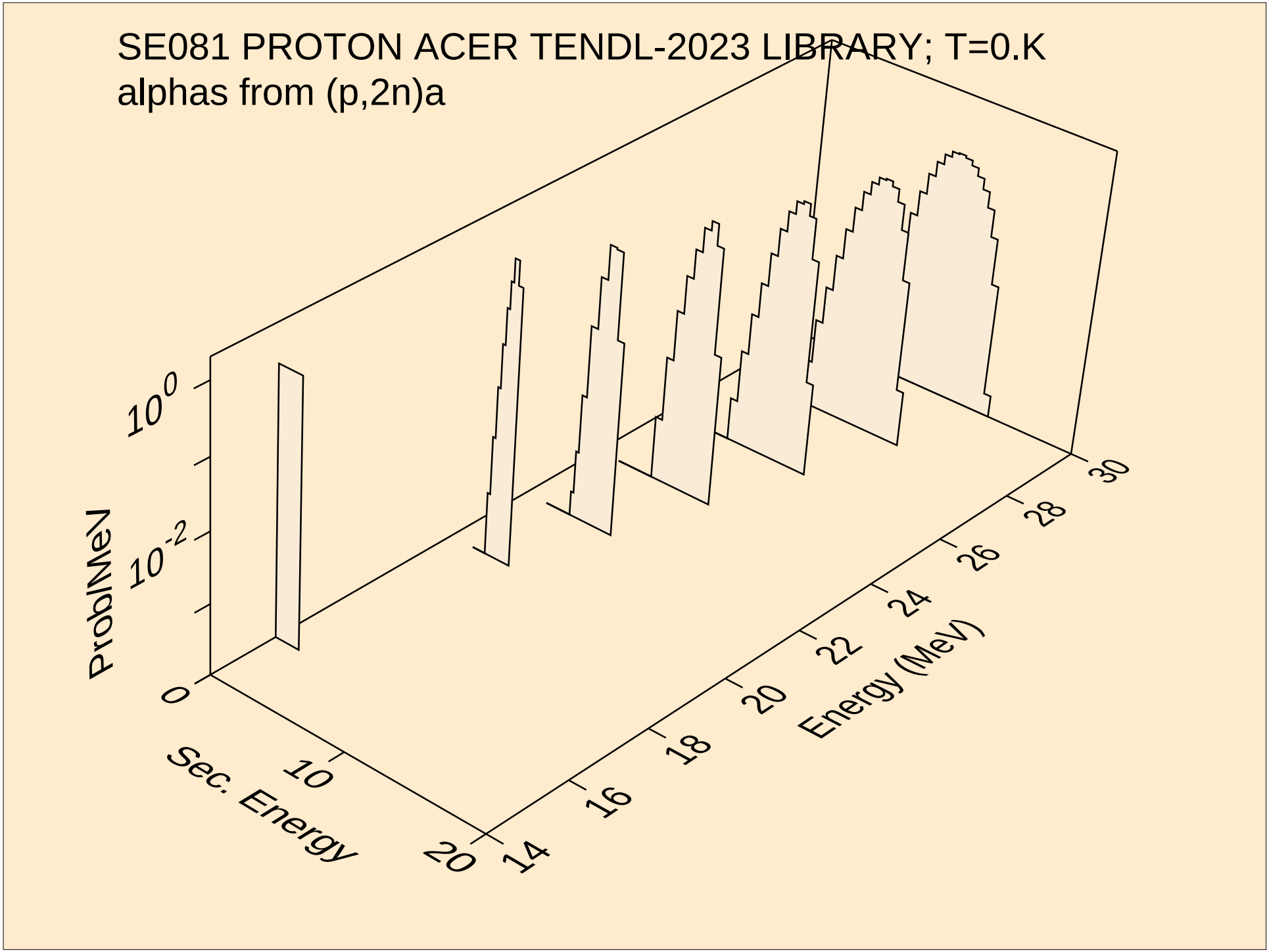

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

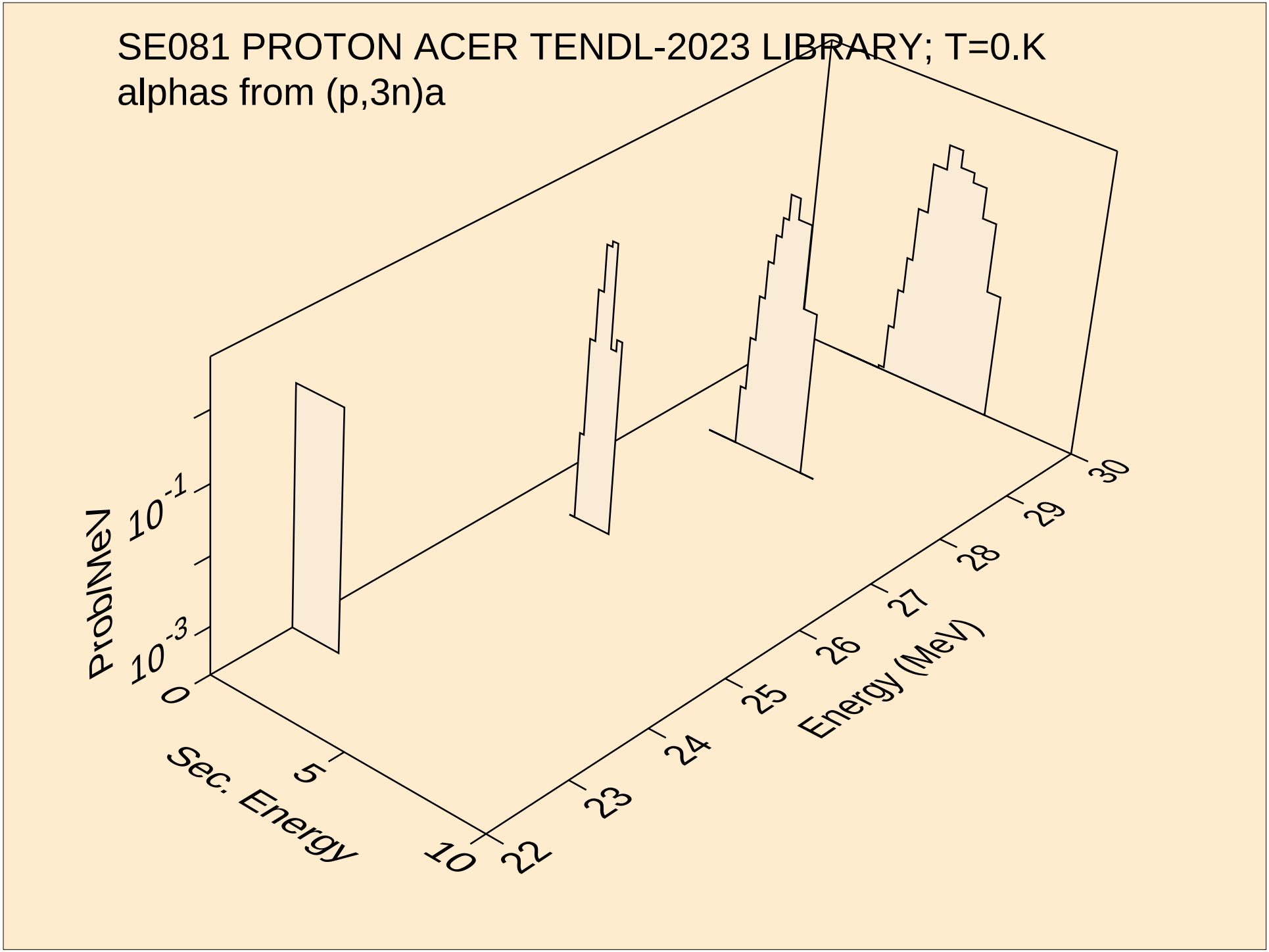

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,n*)he3
Prob/MeV
10^1
10^-1
10^-3
0
5
10
Sec. Energy
18
20
22
24
26
28
30
Energy (MeV)

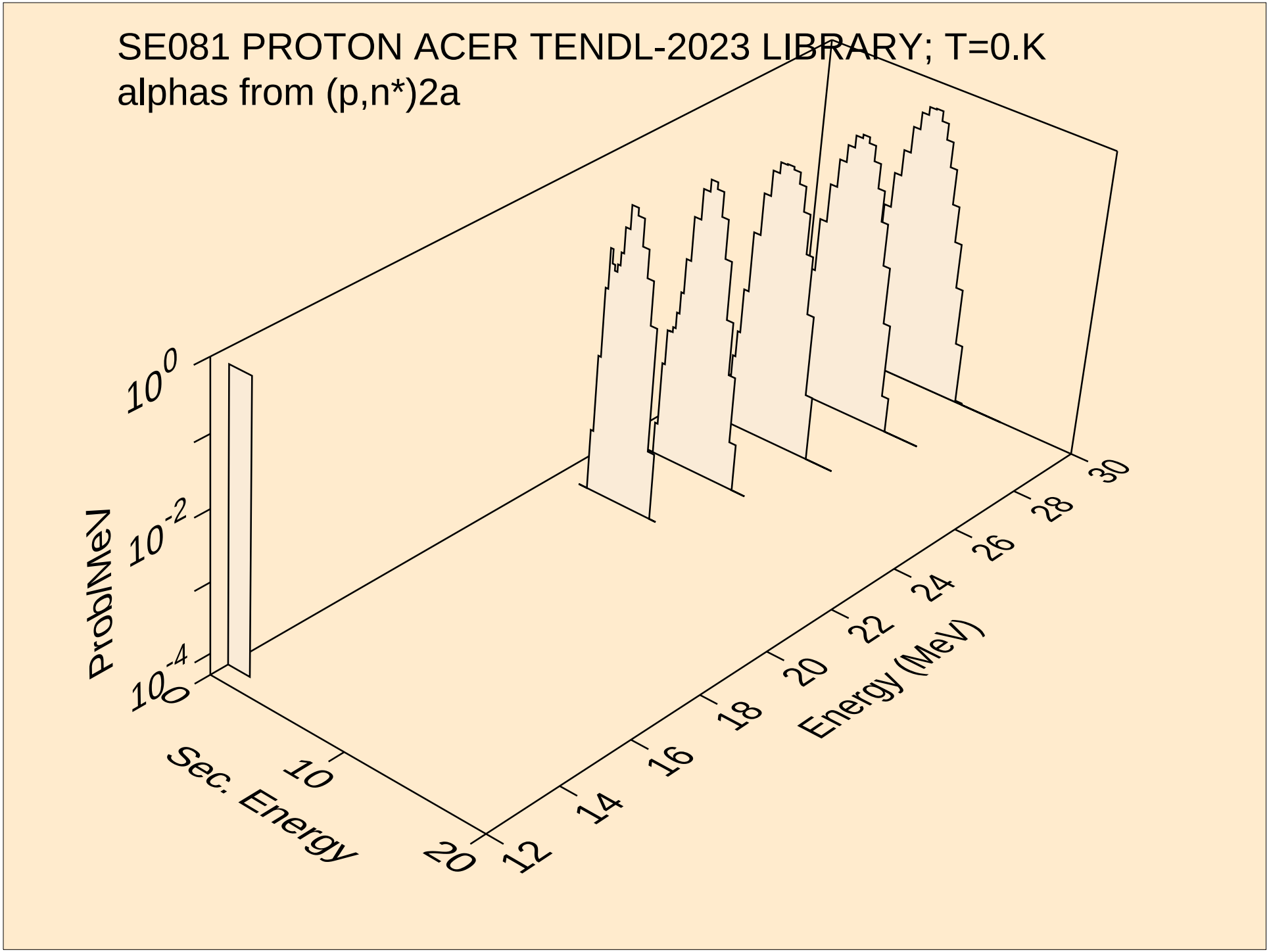

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,he3)
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30

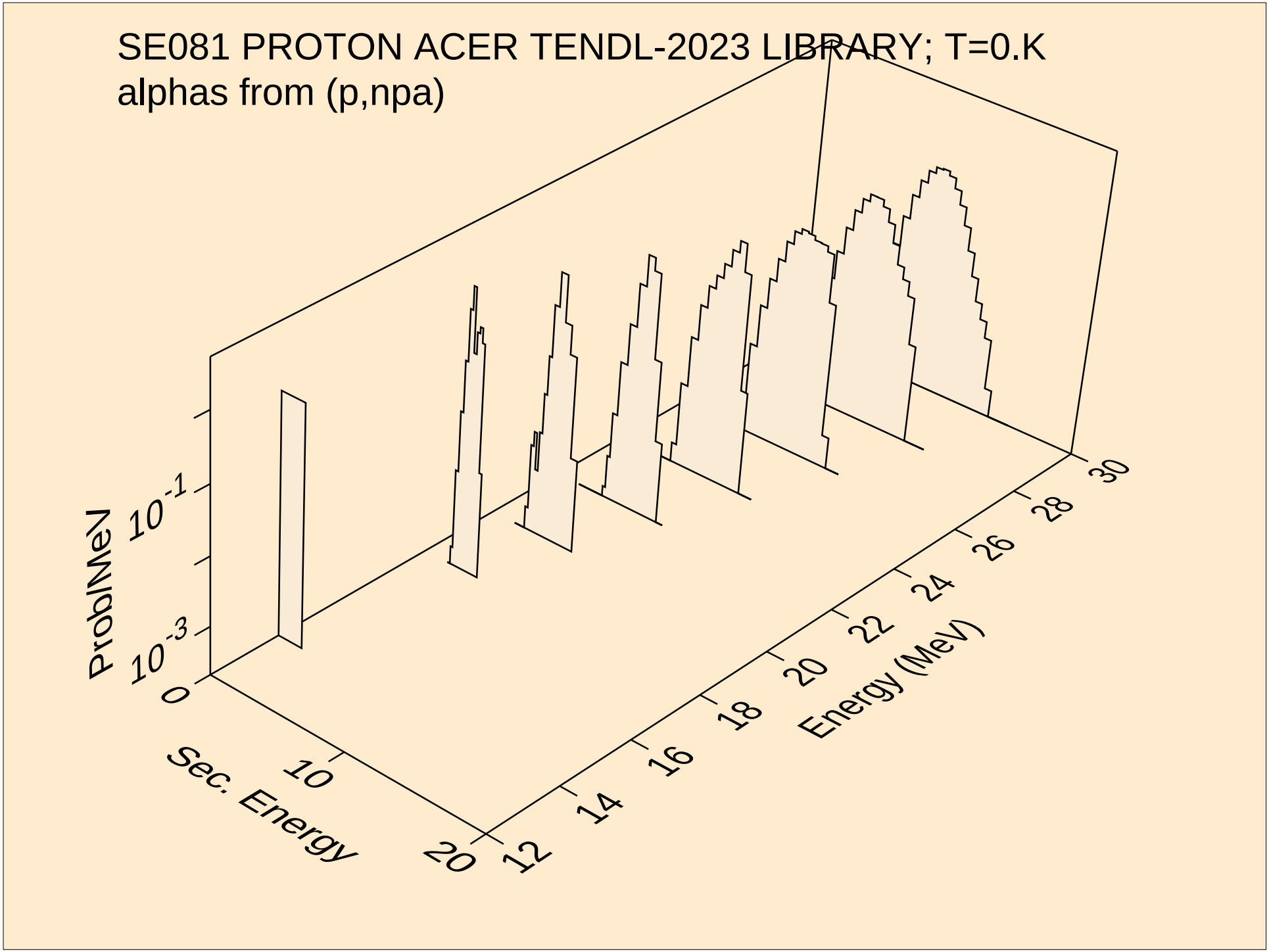

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)

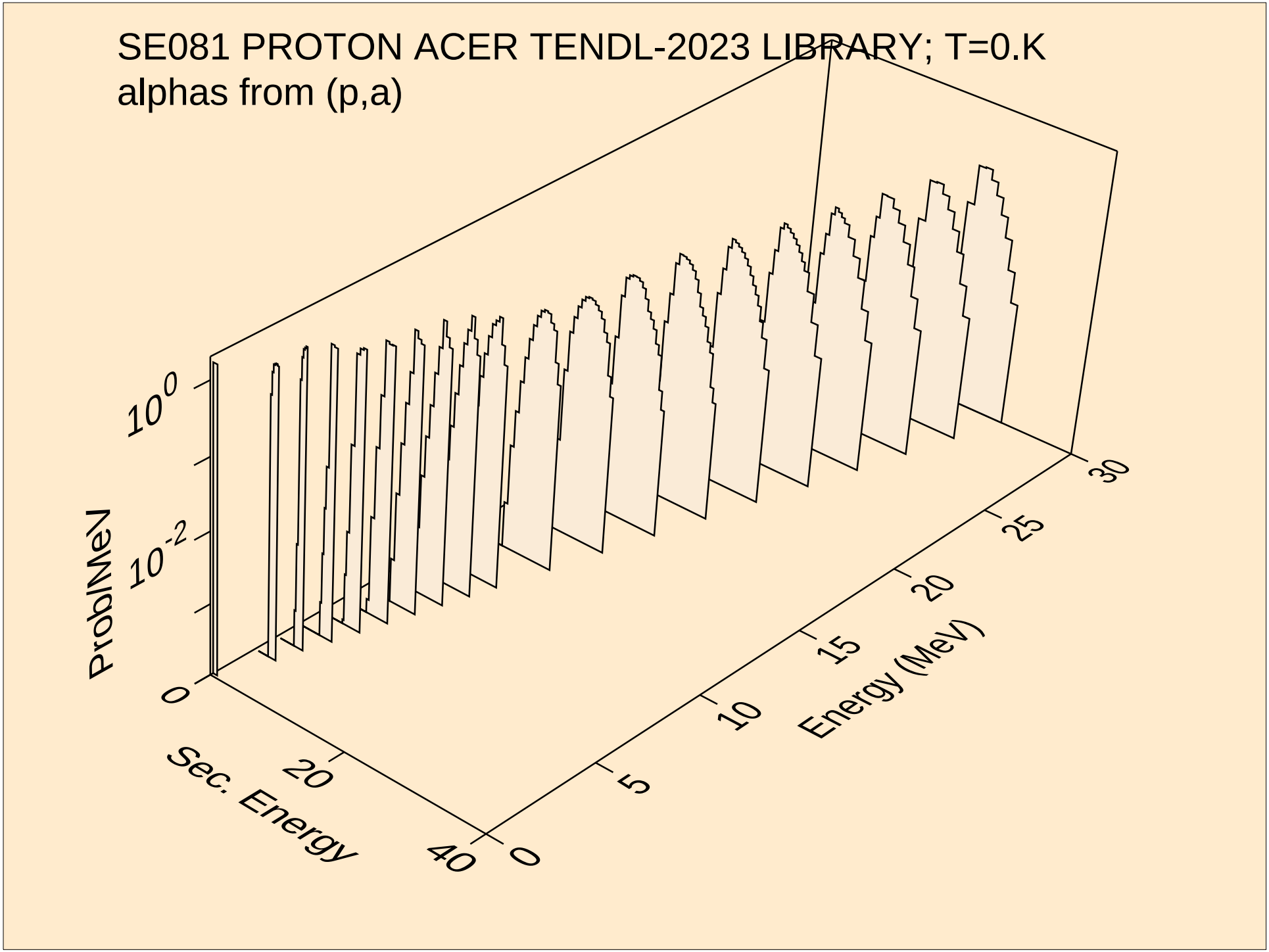

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
5
10
15
Energy (MeV)
20
25
30

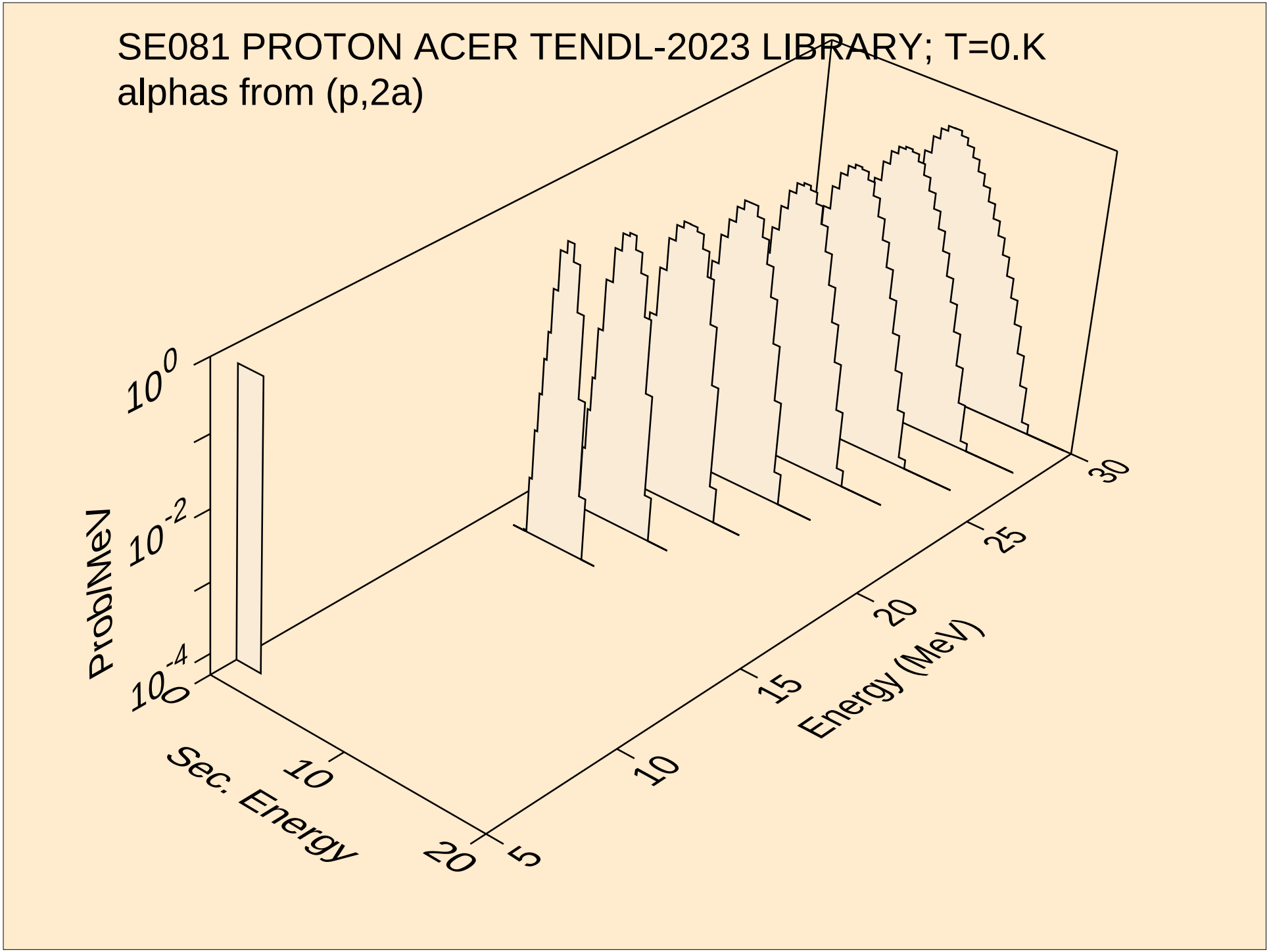

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2n)a
Prob/MeV
$10^{0}$
$10^{-2}$
0
Sec. Energy
10
20
14
16
18
20
22
24
26
28
30
Energy (MeV)

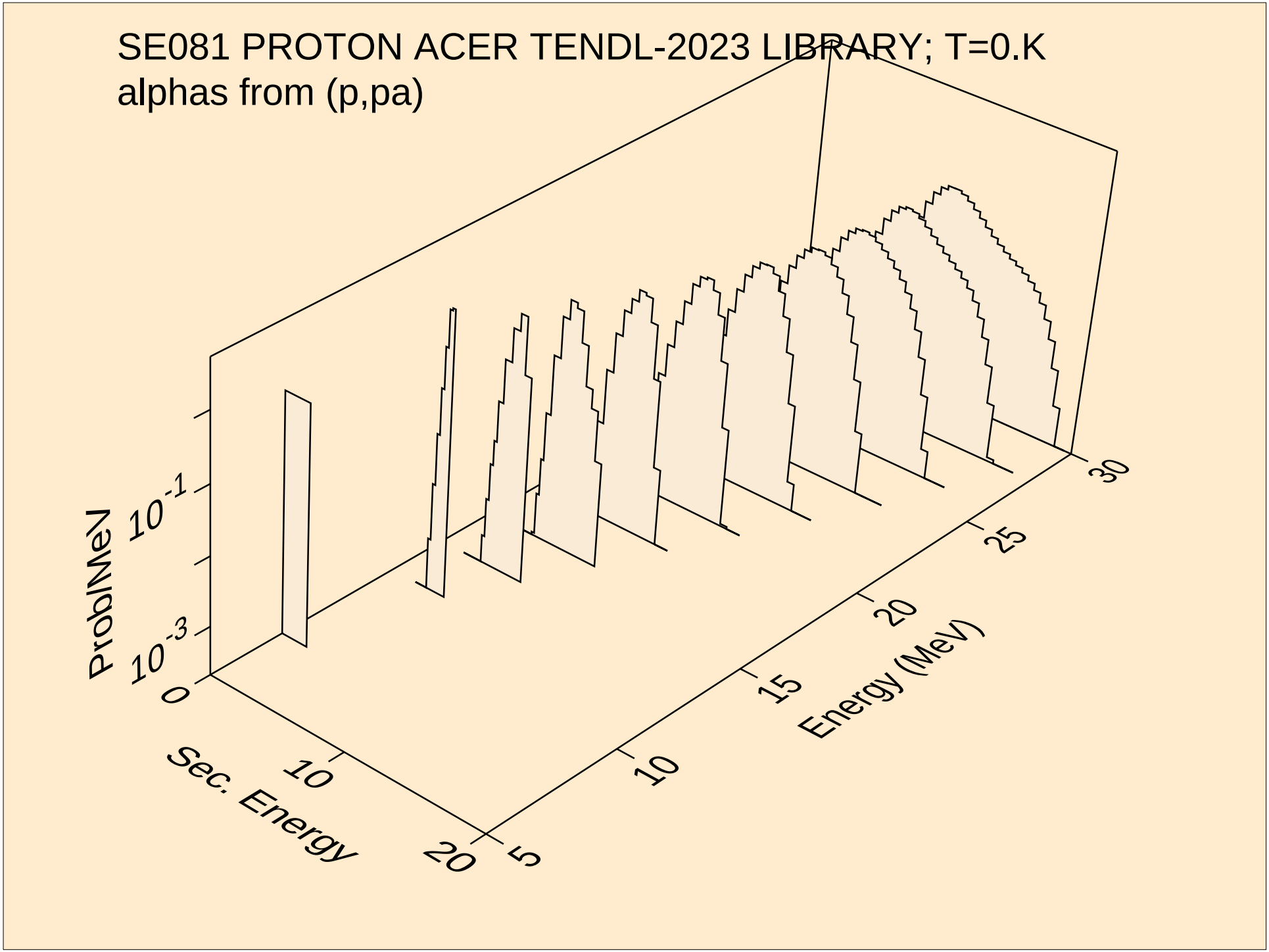

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,3n)a
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
22
23
24
25
26
27
28
29
30
Energy (MeV)

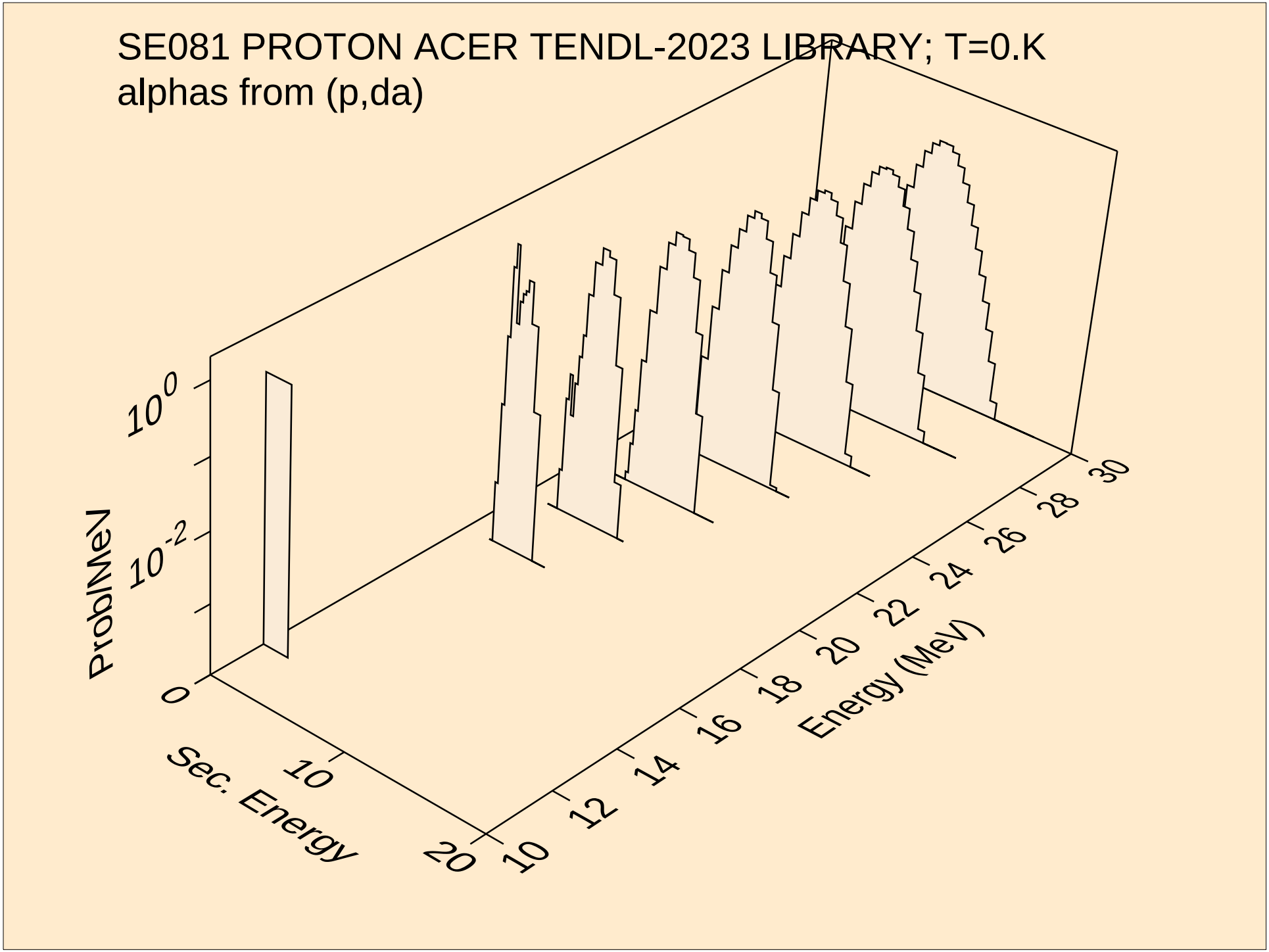

SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)2a
Prob/MeV
$10^{0}$
$10^{-2}$
$10^{-4}$
0
Sec. Energy
10
20
12
14
16
18
20
22
24
26
28
30
Energy (MeV)


SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
12
14
16
18
20
22
24
26
28
30
Energy (MeV)


SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)
Prob/MeV
10^0
10^-2
0
Sec. Energy
20
40
0
5
10
15
20
25
30
Energy (MeV)


SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)
Prob/MeV
$10^{0}$
$10^{-2}$
$10^{-4}$
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)


SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
5
10
15
20
25
30
Energy (MeV)


SE081 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)
Prob/MeV
$10^{0}$
$10^{-2}$
0
Sec. Energy
10
20
Energy (MeV)
10
12
14
16
18
20
22
24
26
28
30