GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production

Cross section (barns) vs Energy (MeV)

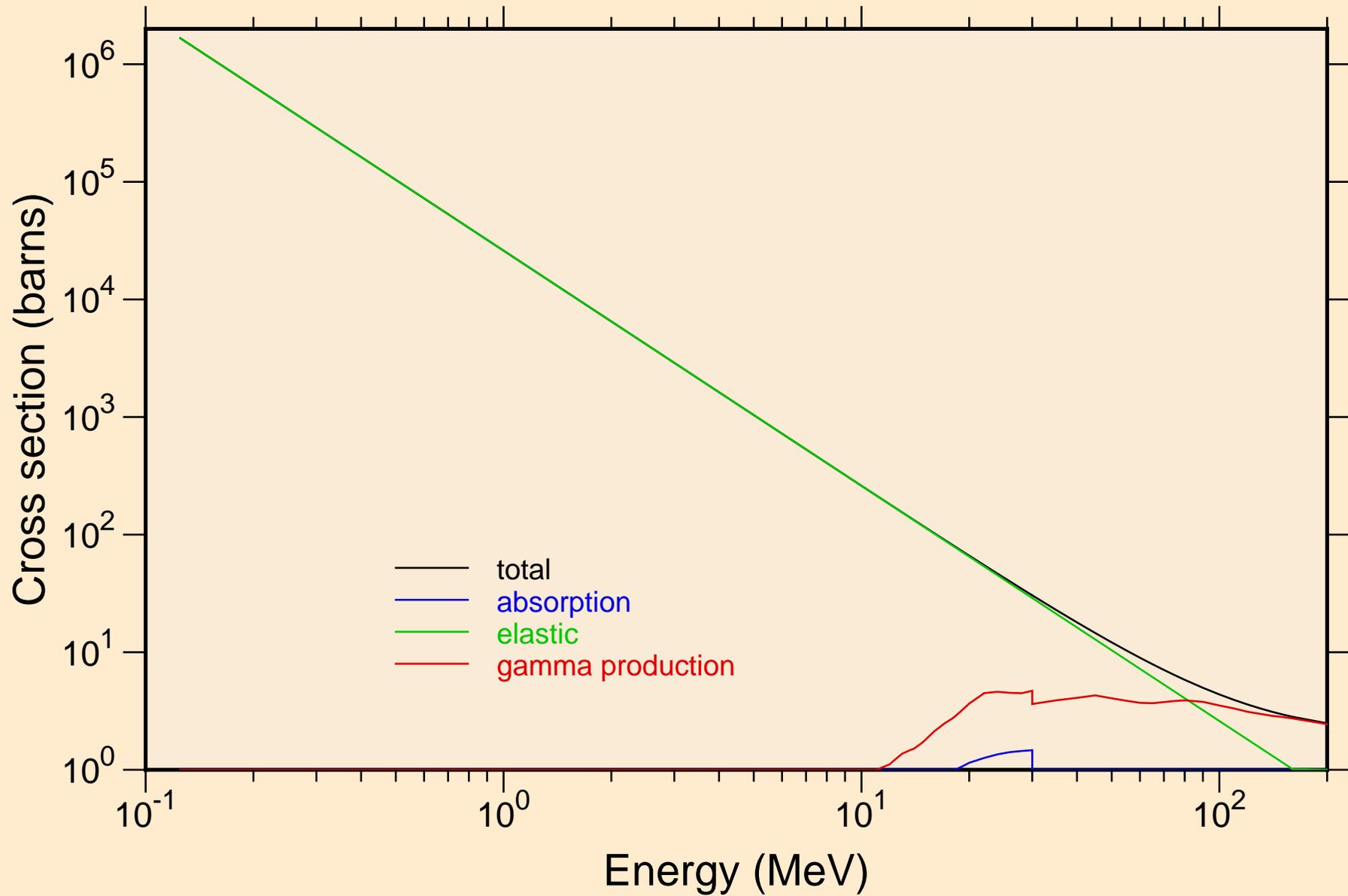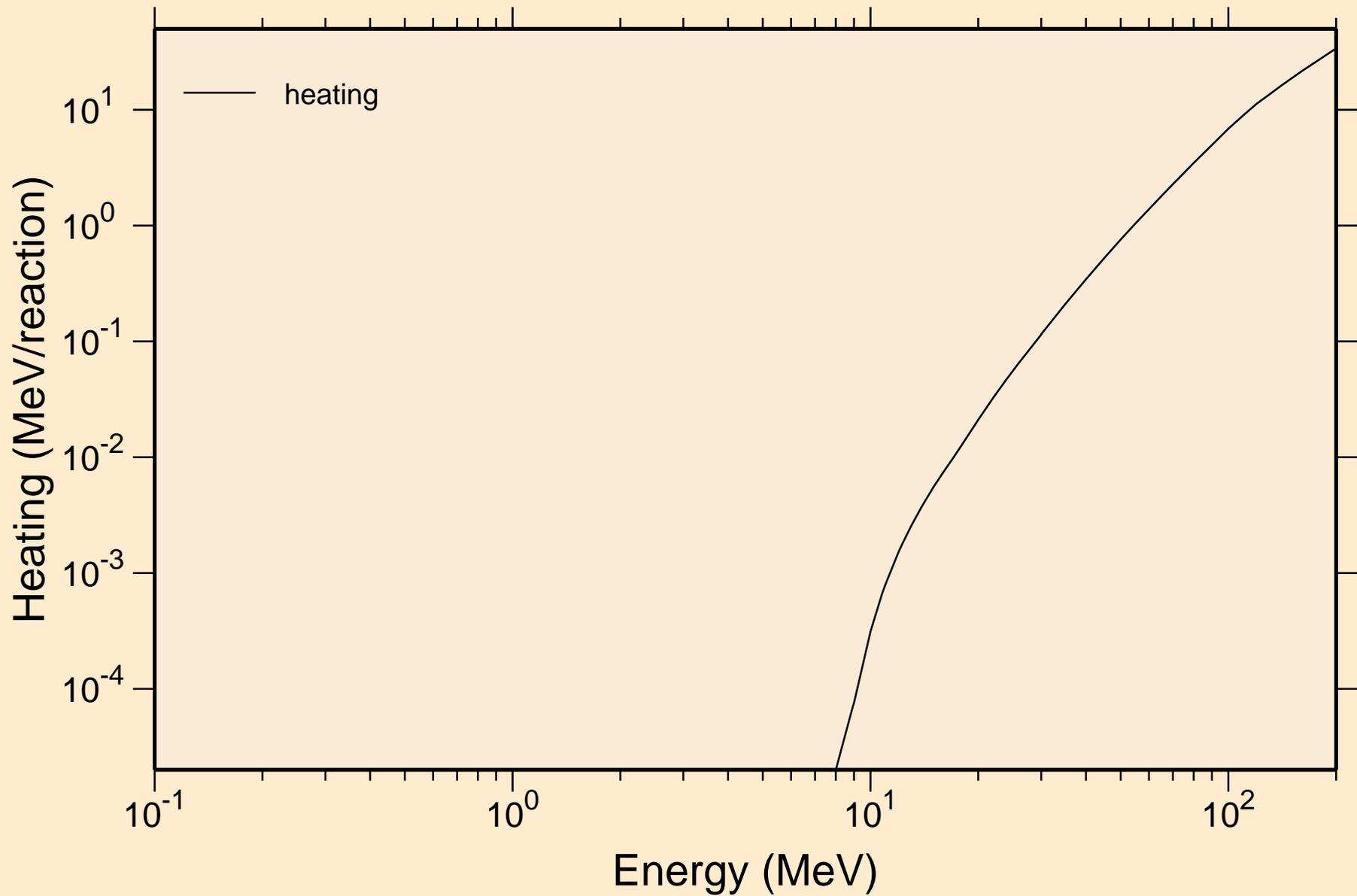GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Heating

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections
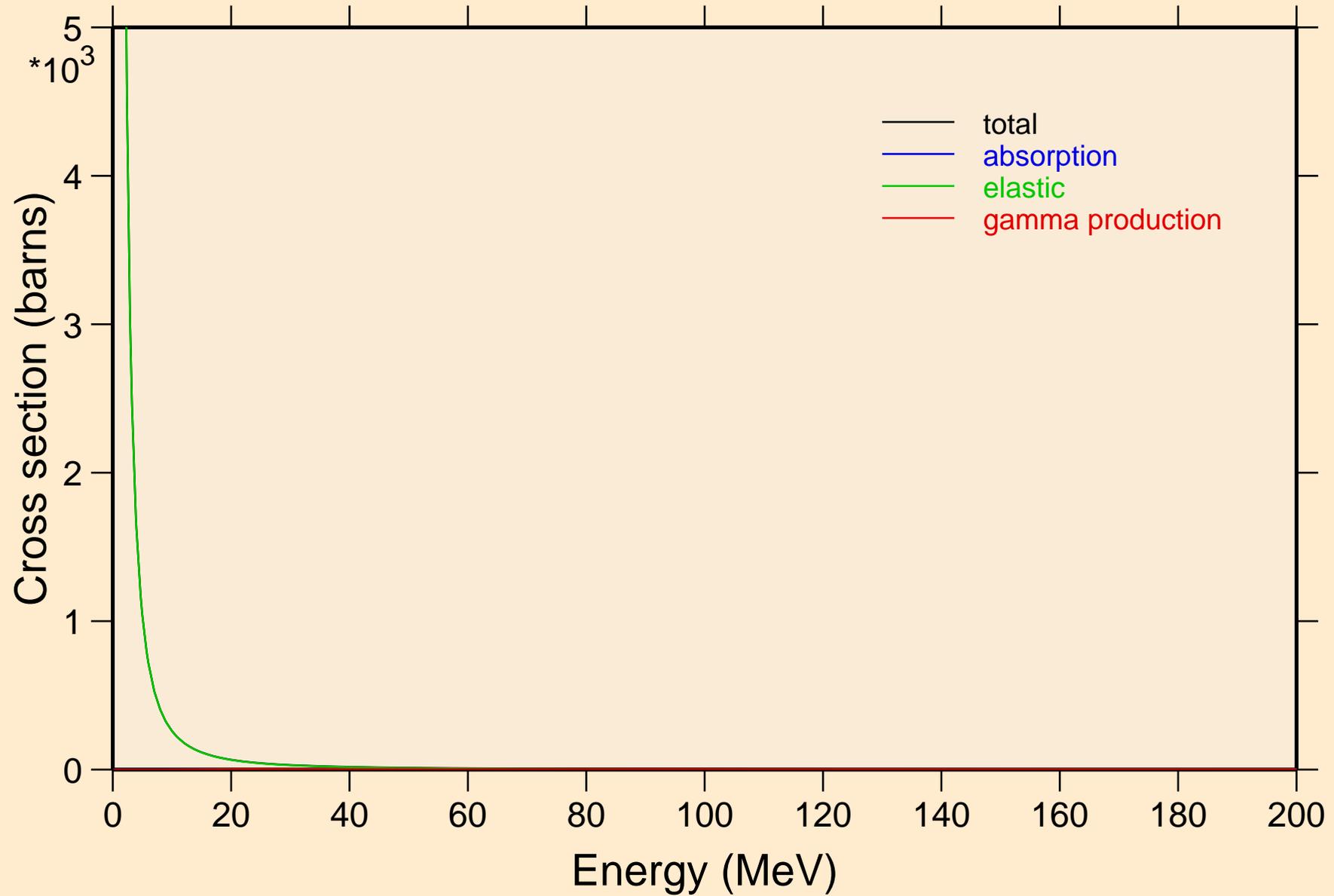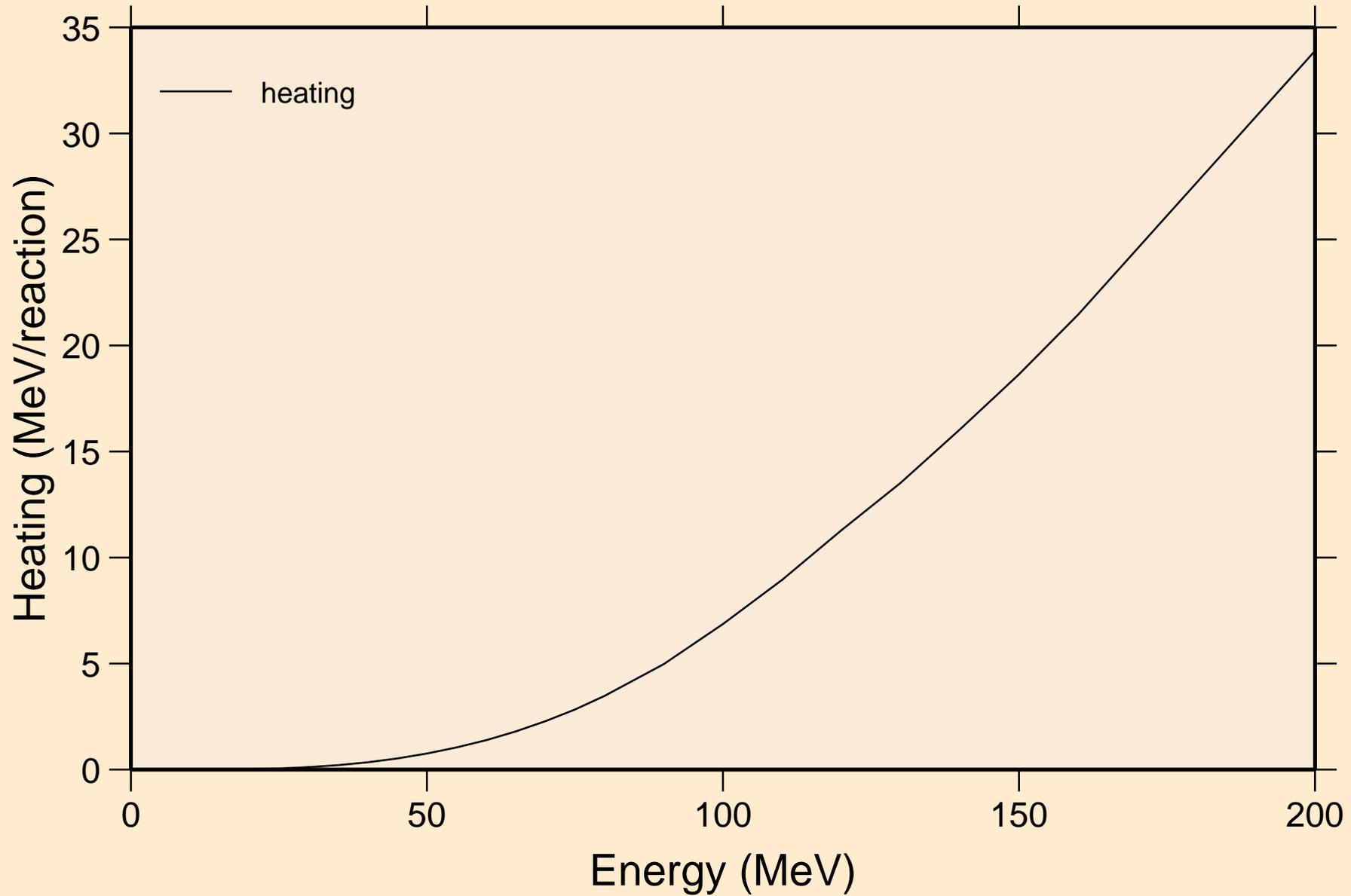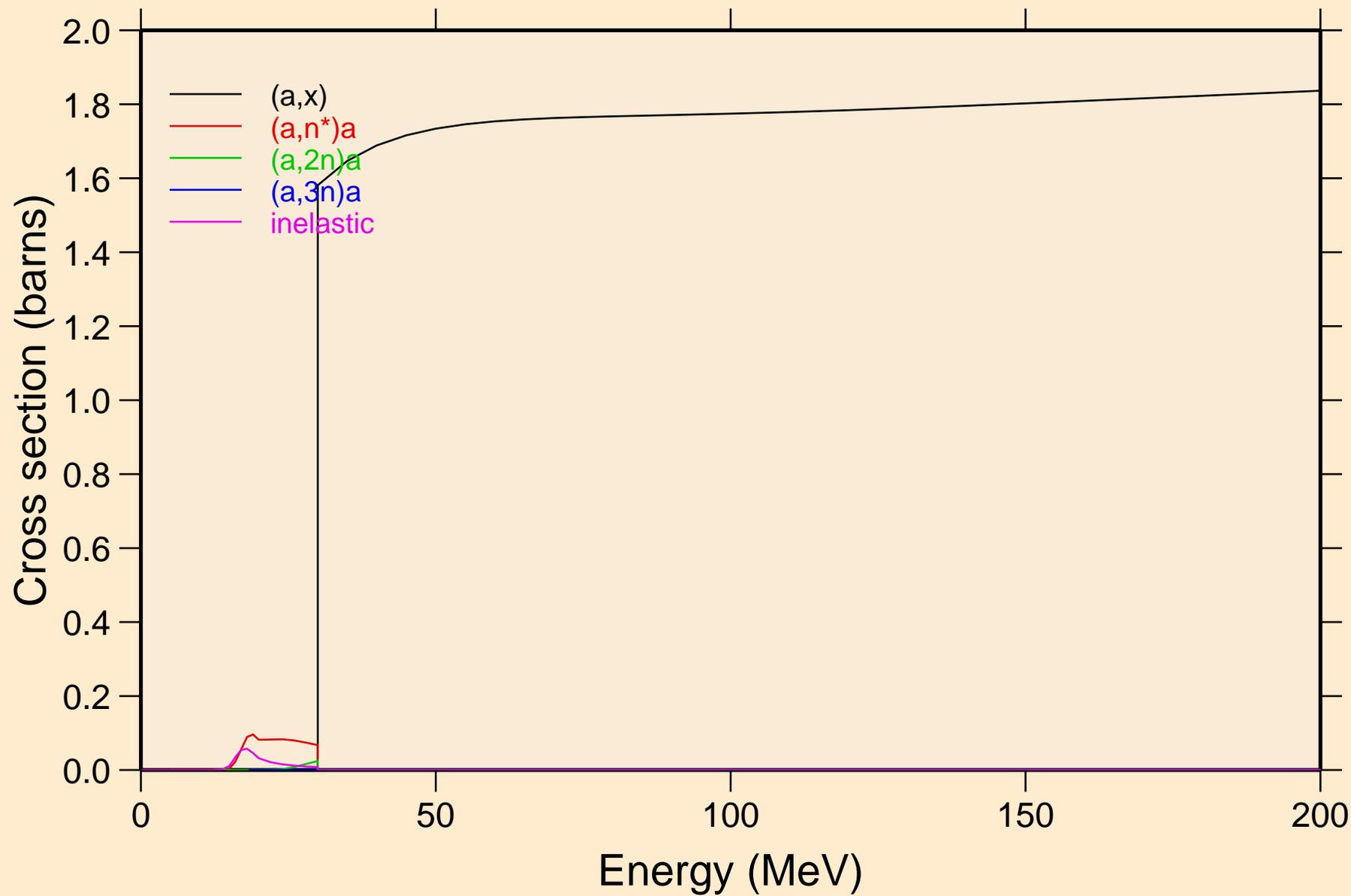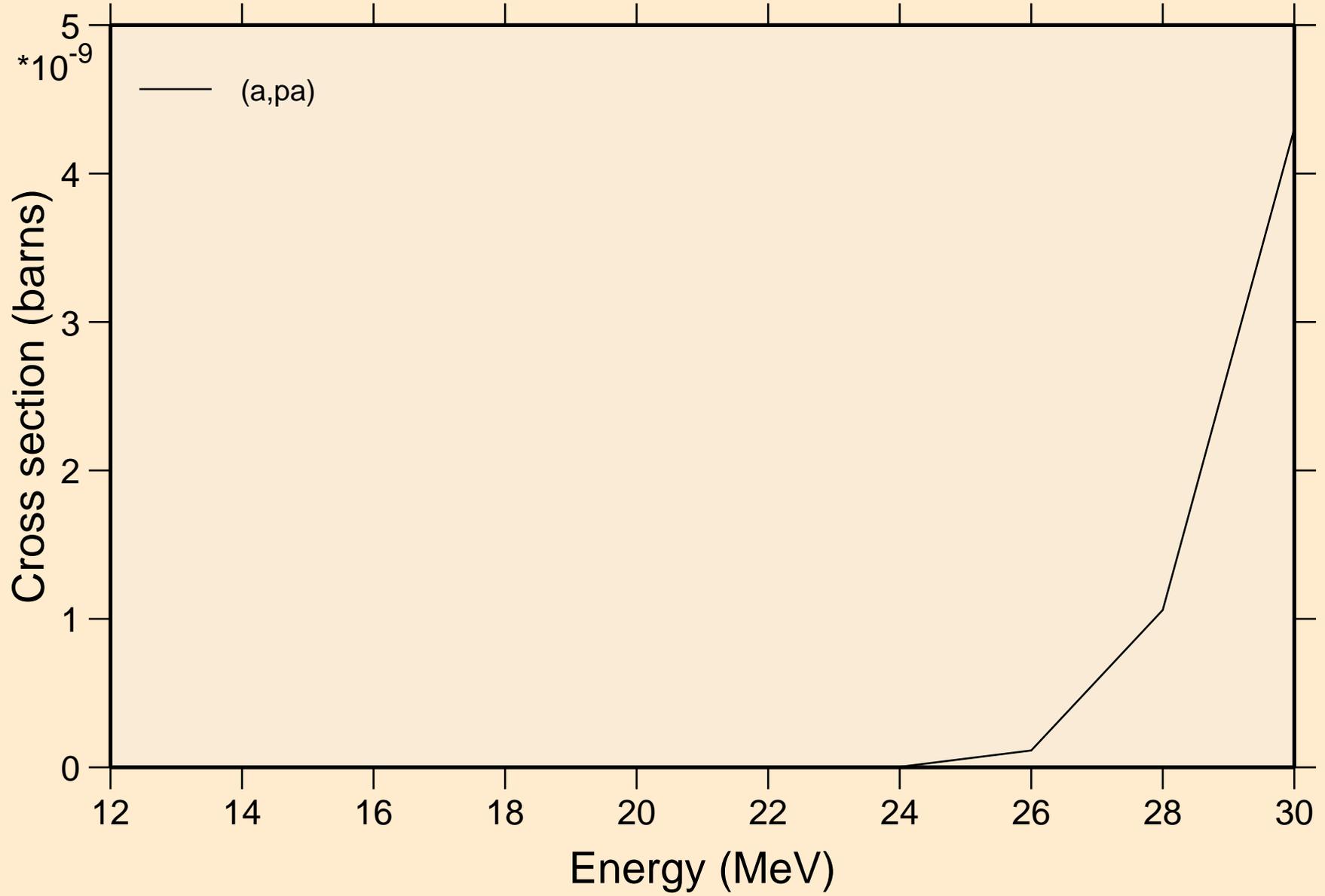
GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Heating

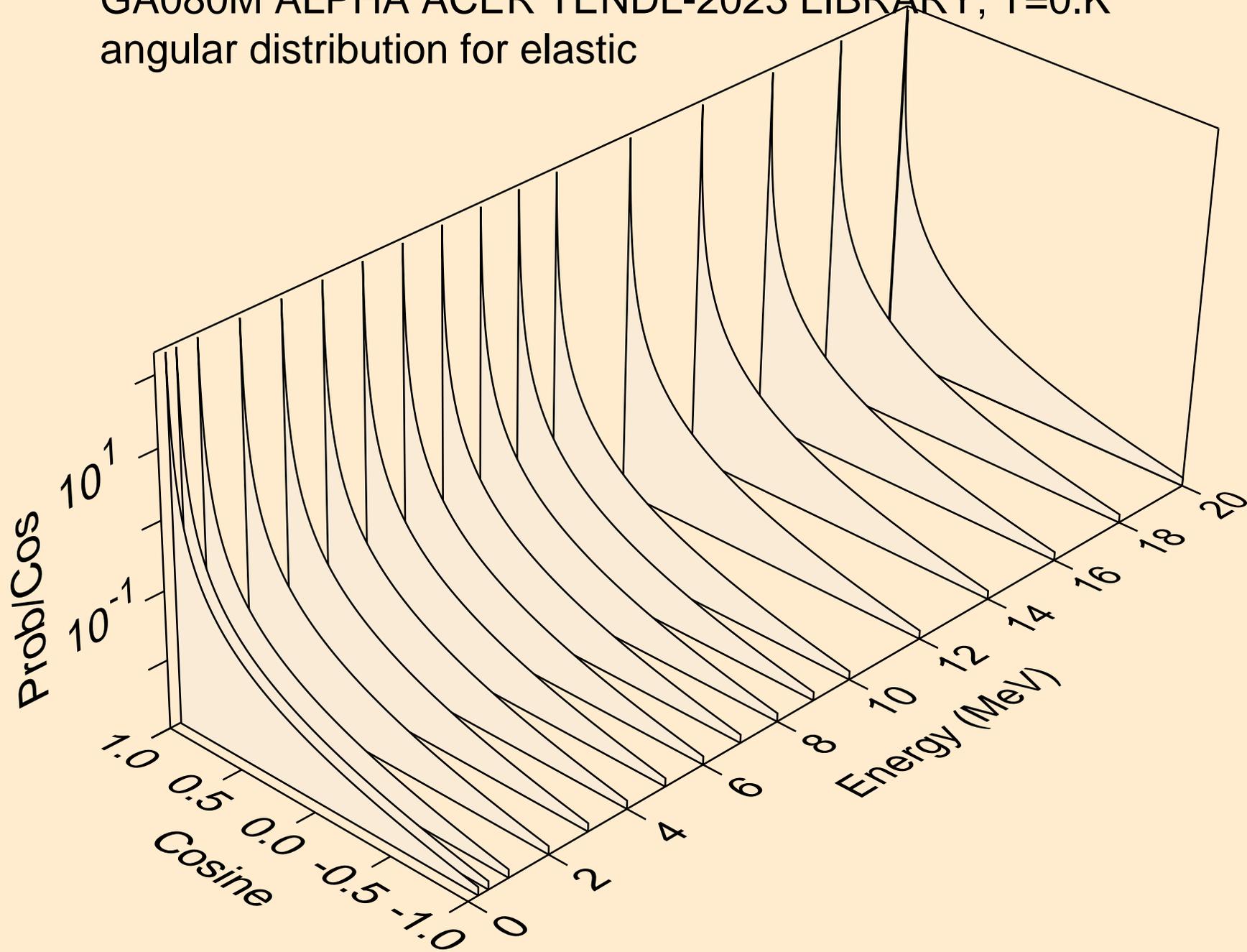GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
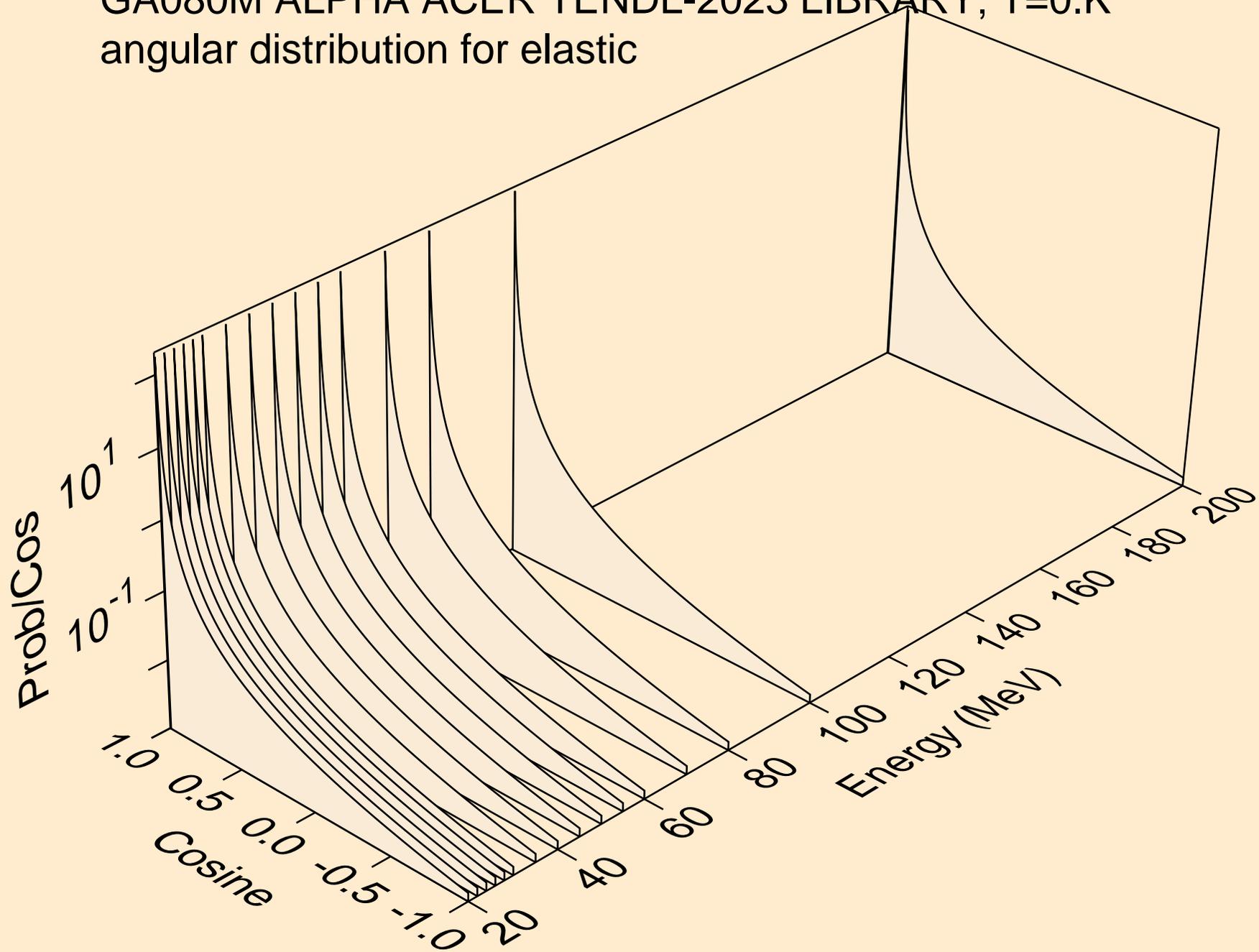Threshold reactions

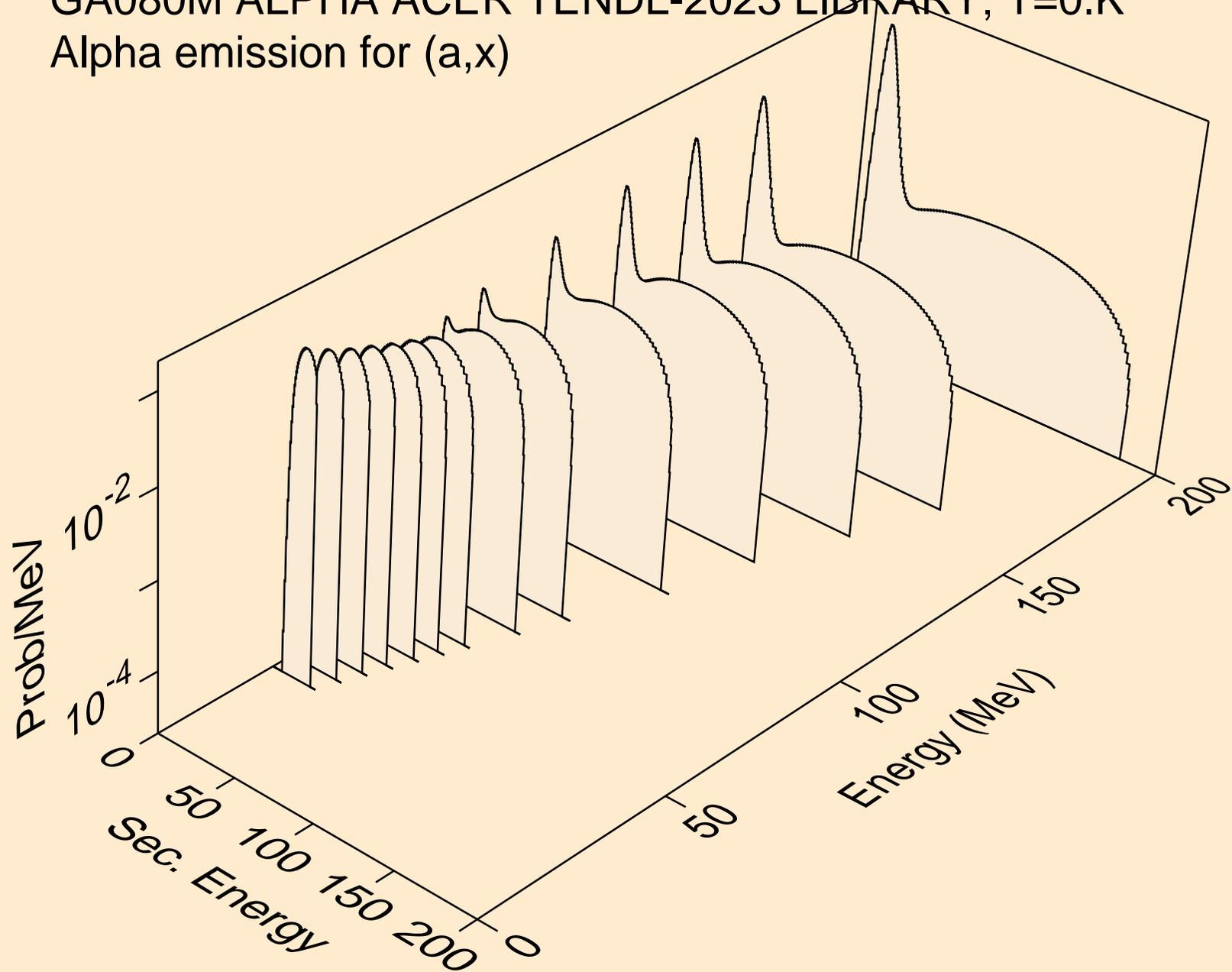GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

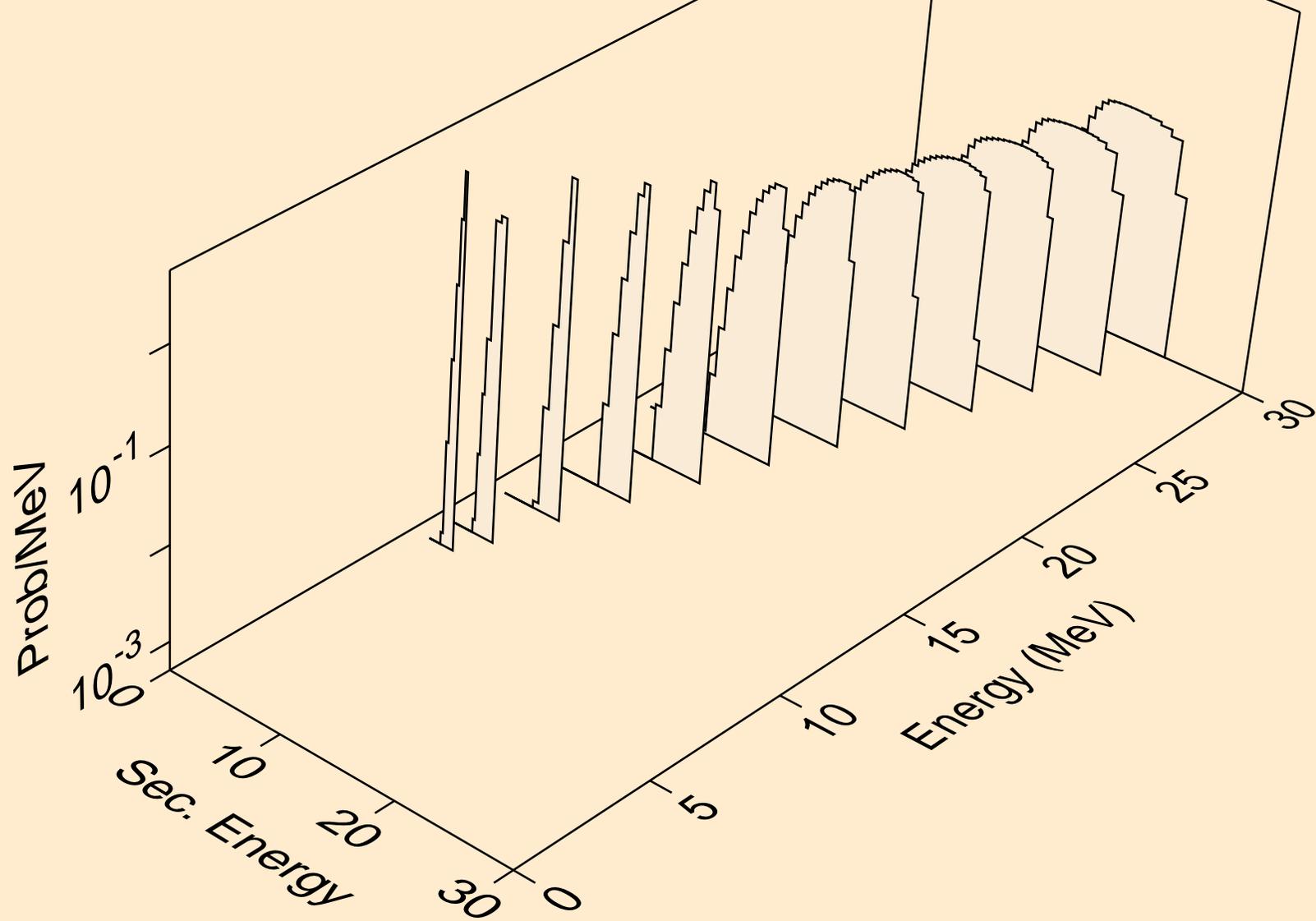GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
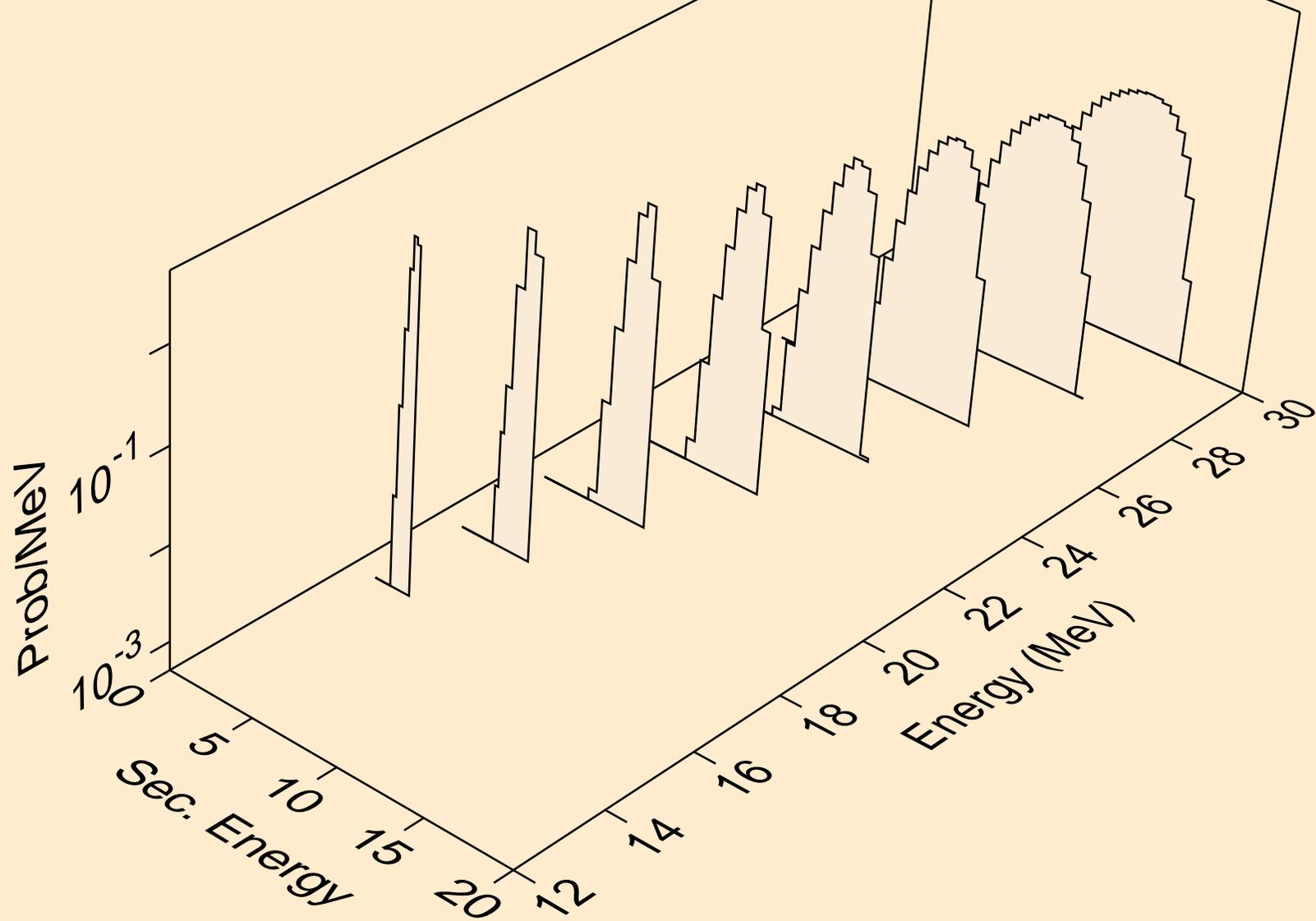angular distribution for elastic

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,x)

ProbIMeV

10^{-2}

10^{-4}

0

Sec. Energy

50 100 150 200

0

50

100

150

200

Energy (MeV)

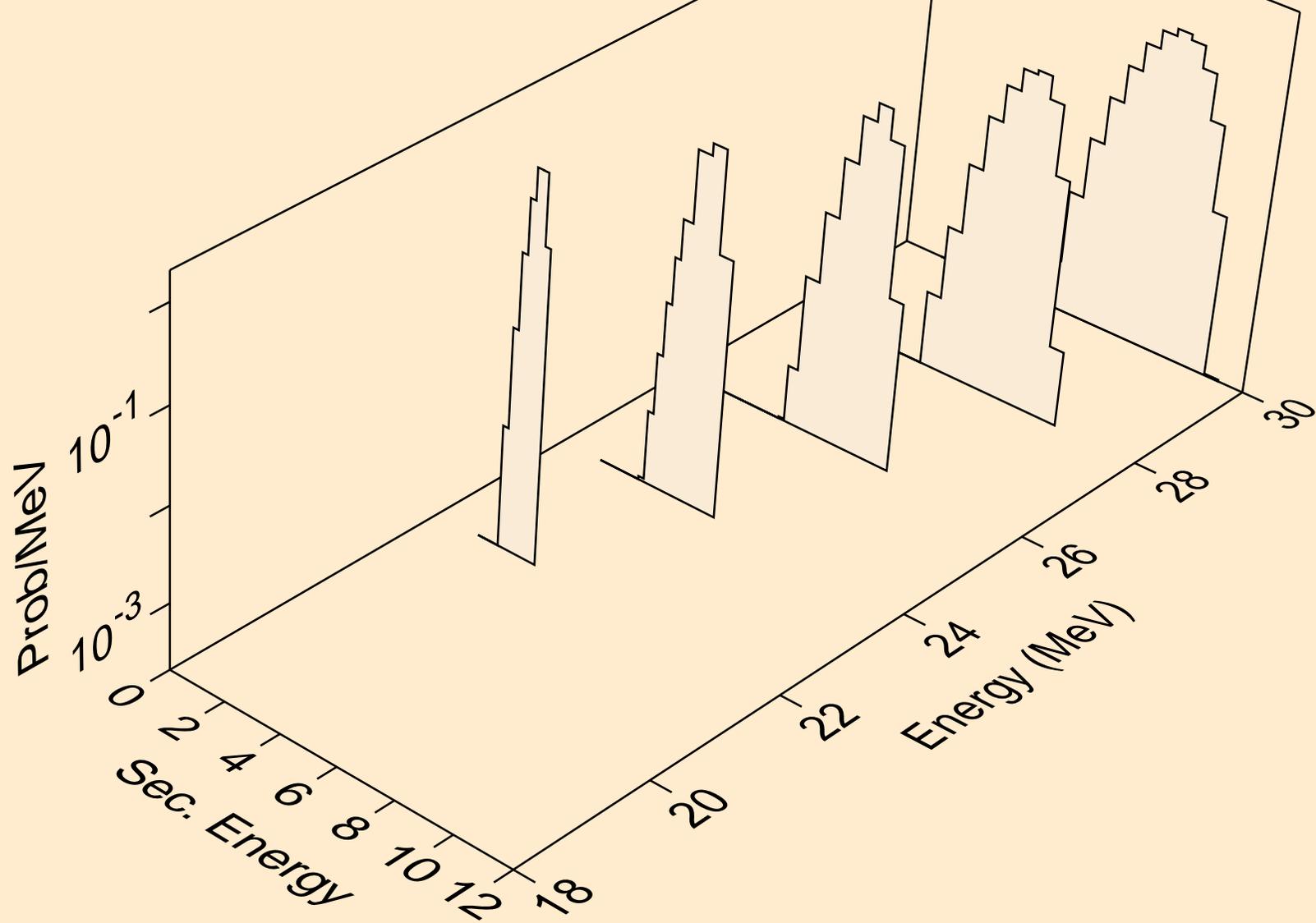GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,n*)a

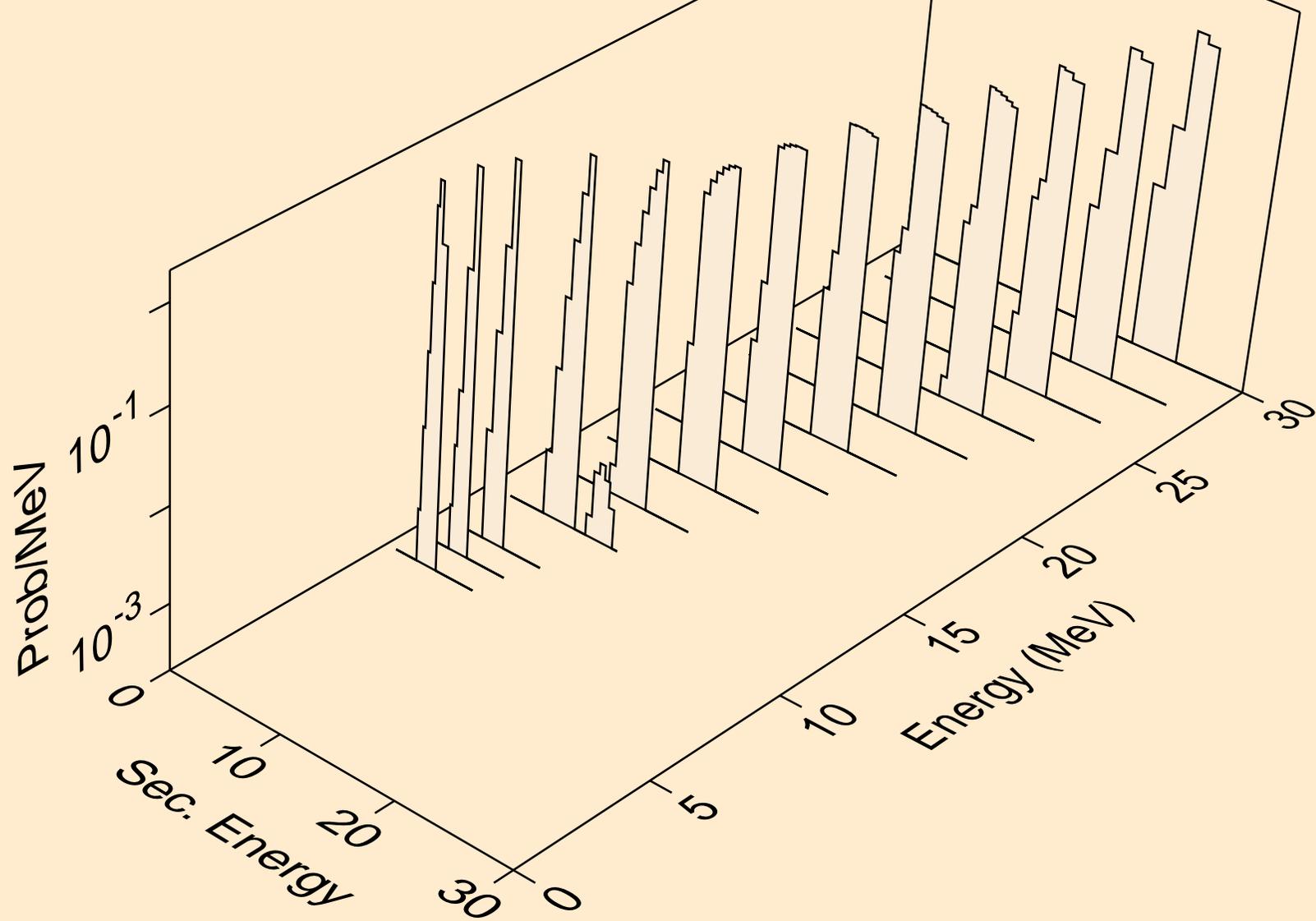GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,2n)a
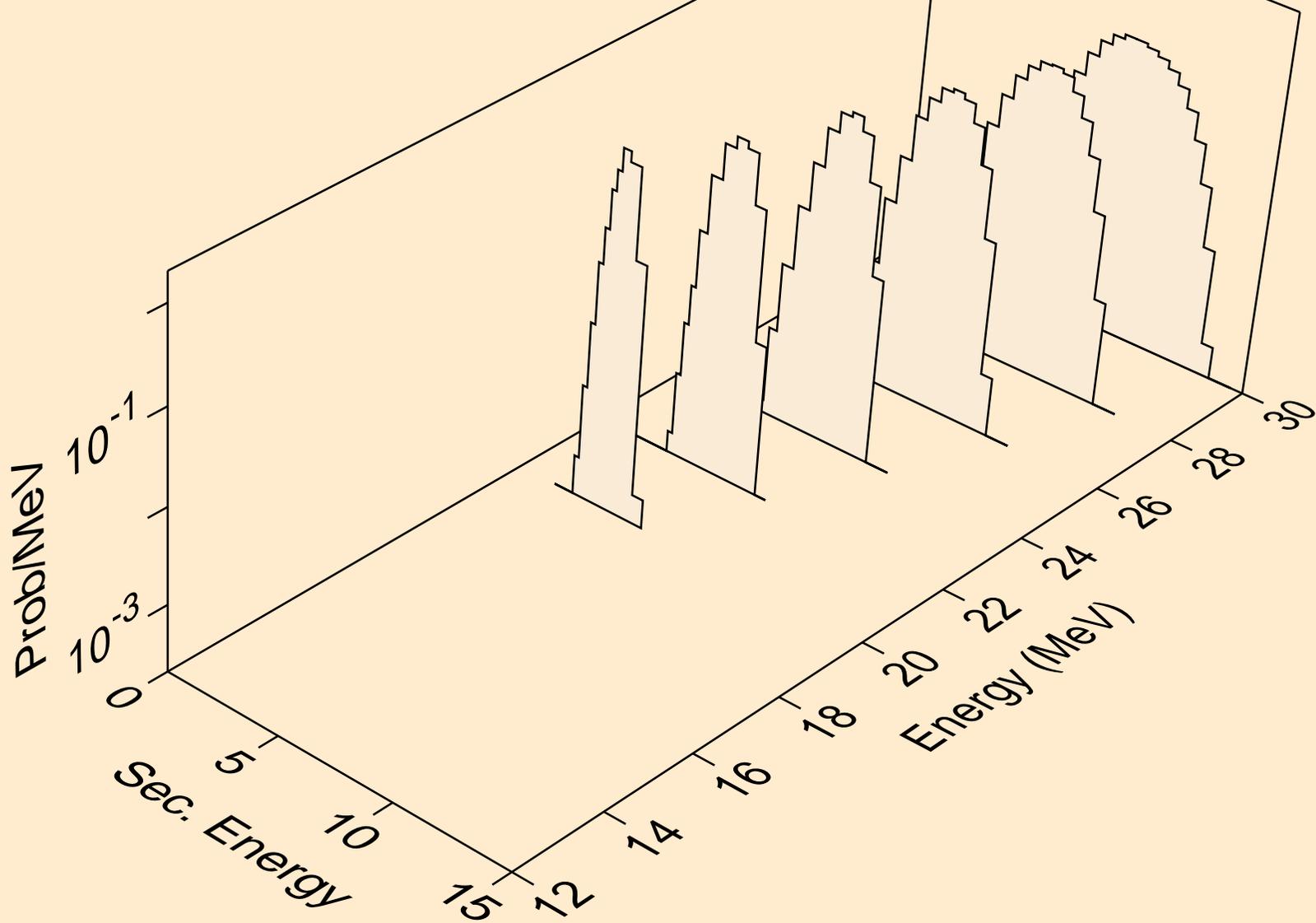
GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
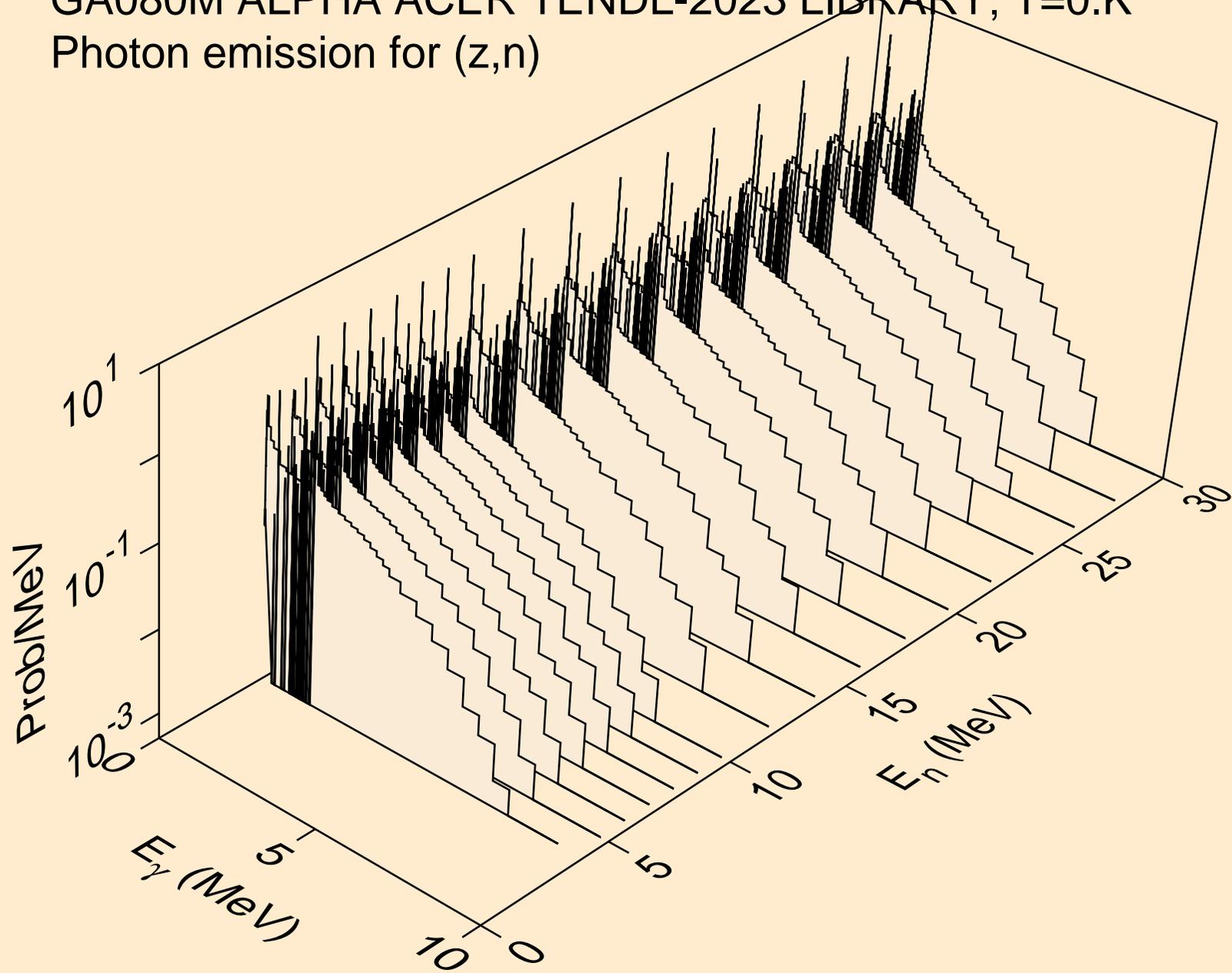Alpha emission for (a,3n)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
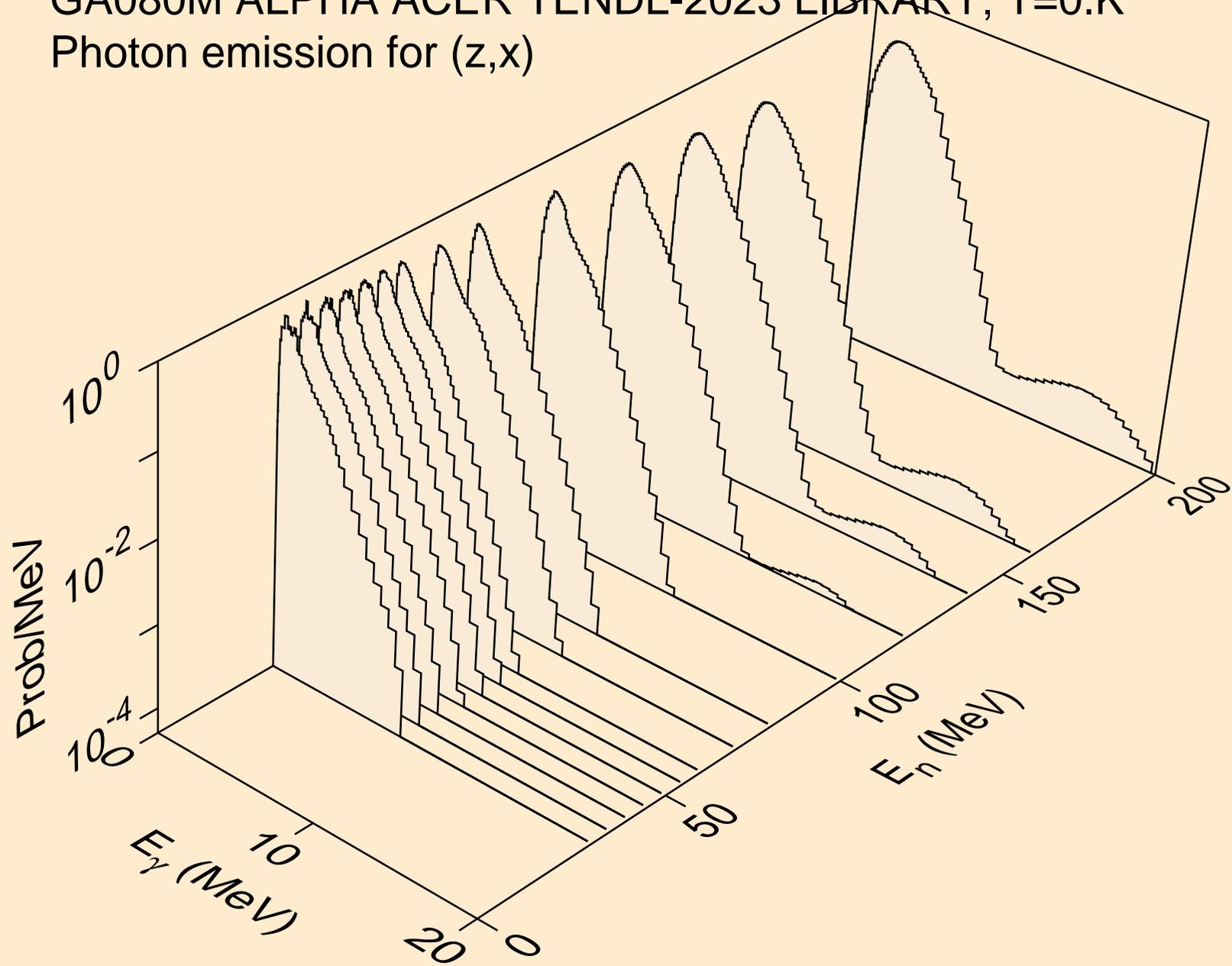Alpha emission for inelastic

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
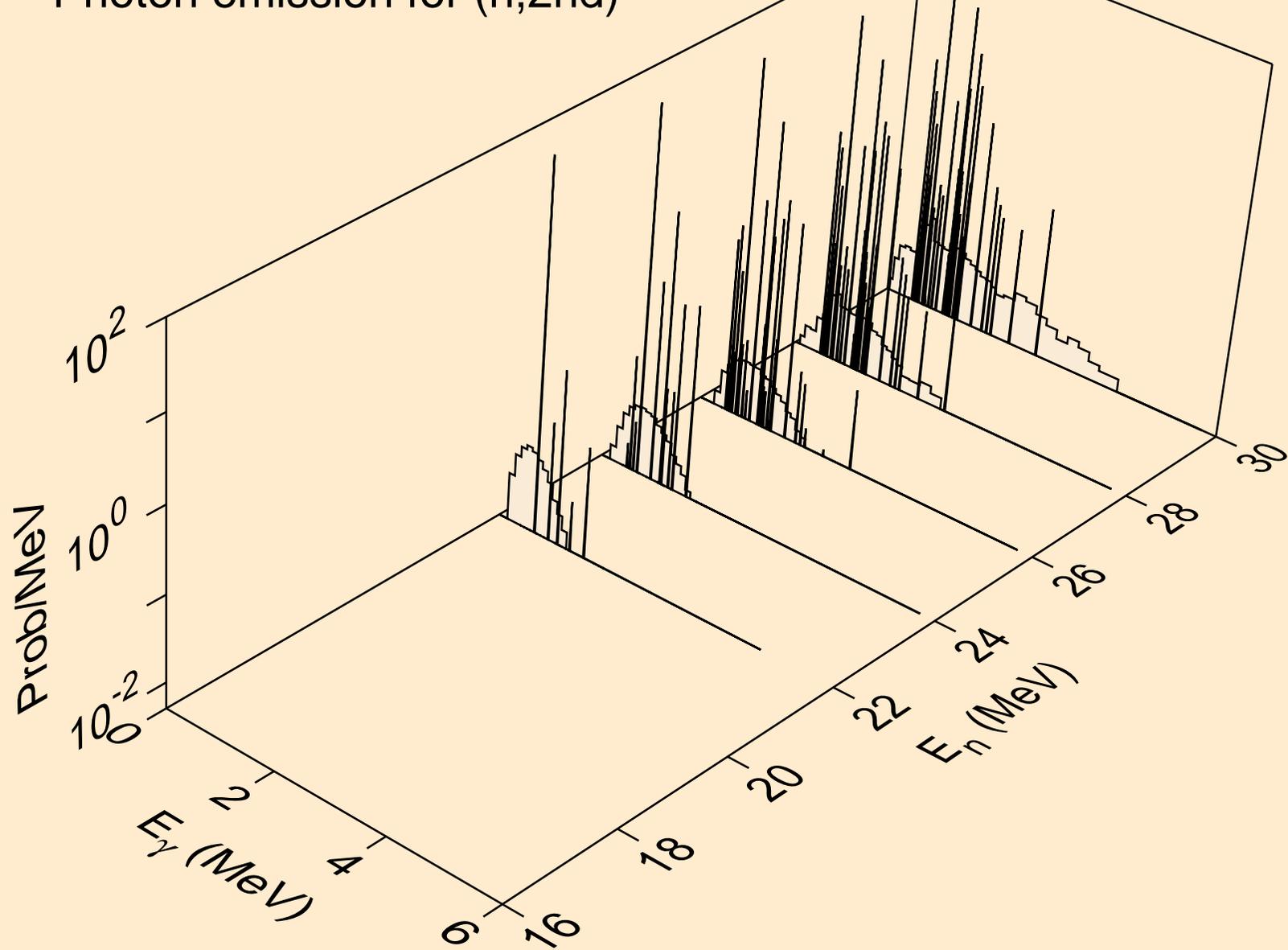Alpha emission for (a,pa)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
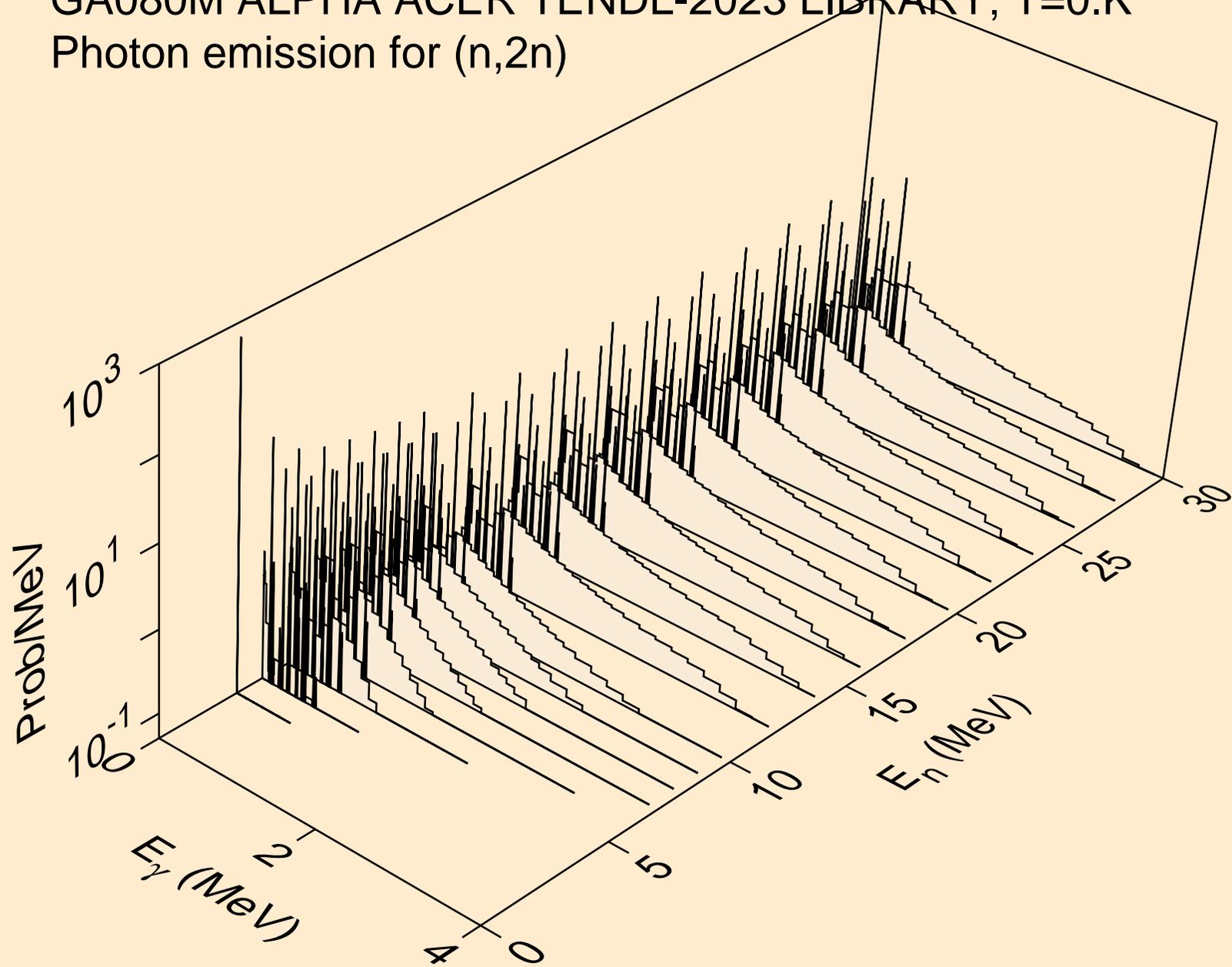Photon emission for (z,n)

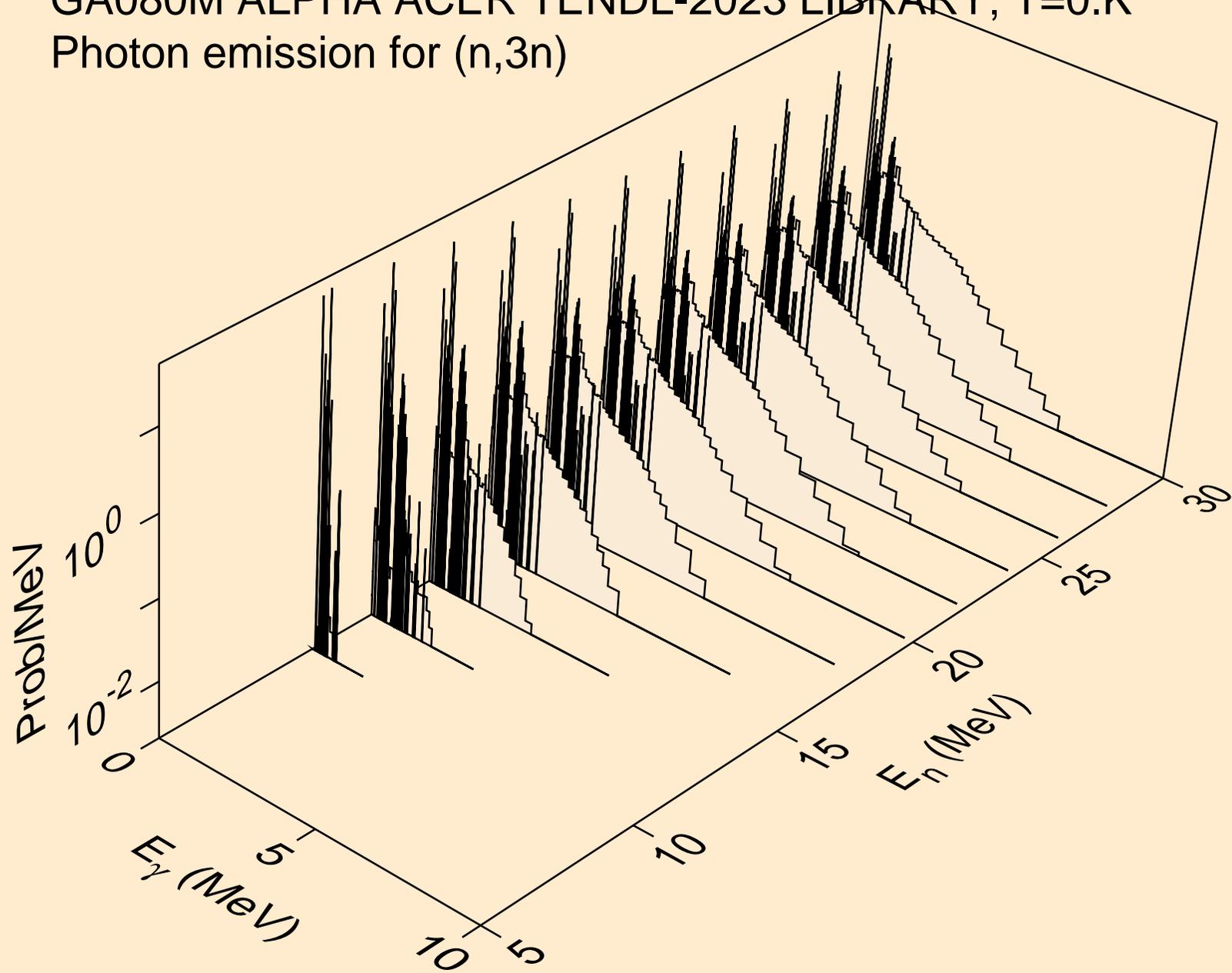GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
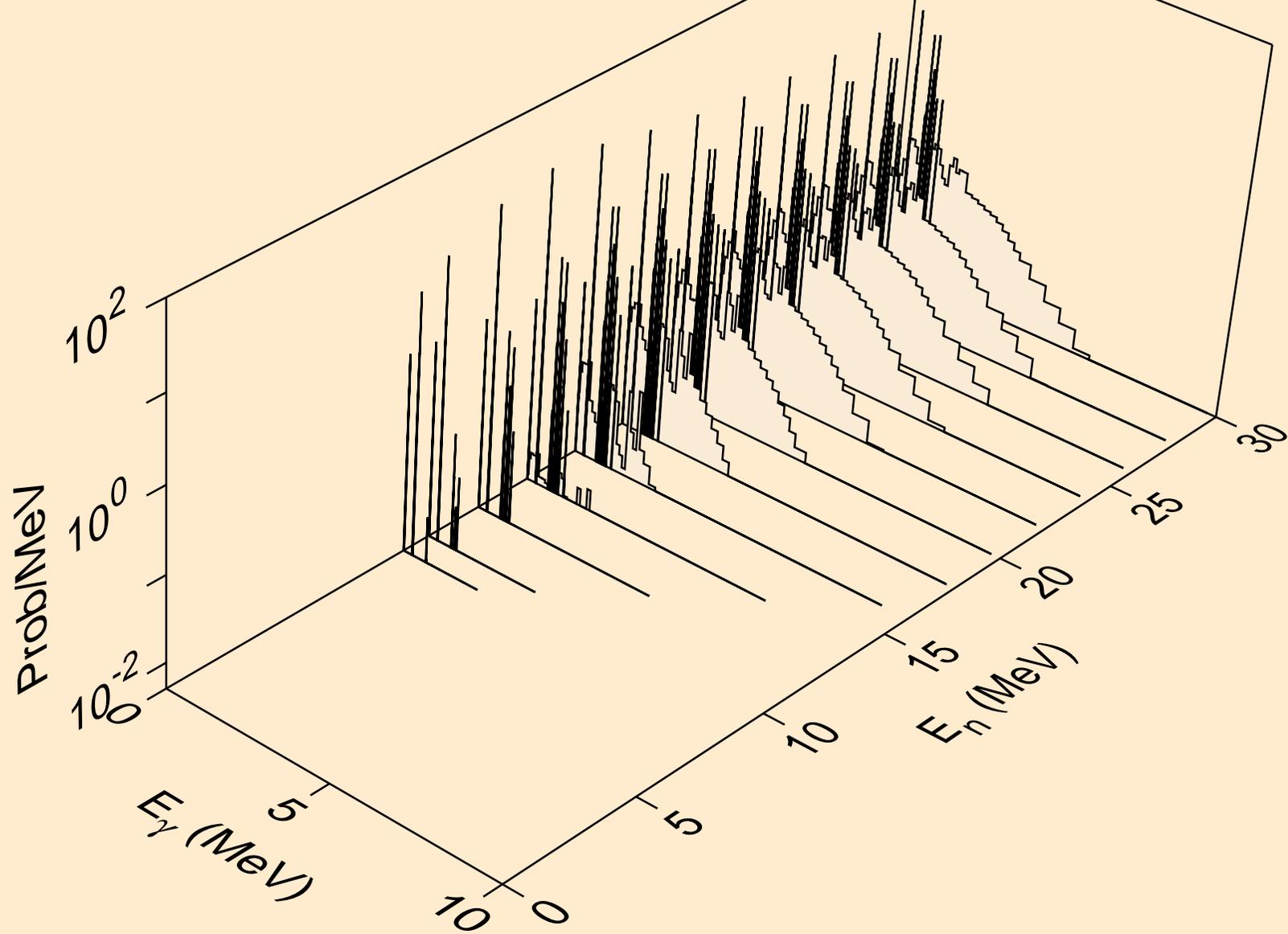Photon emission for (n,n*)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
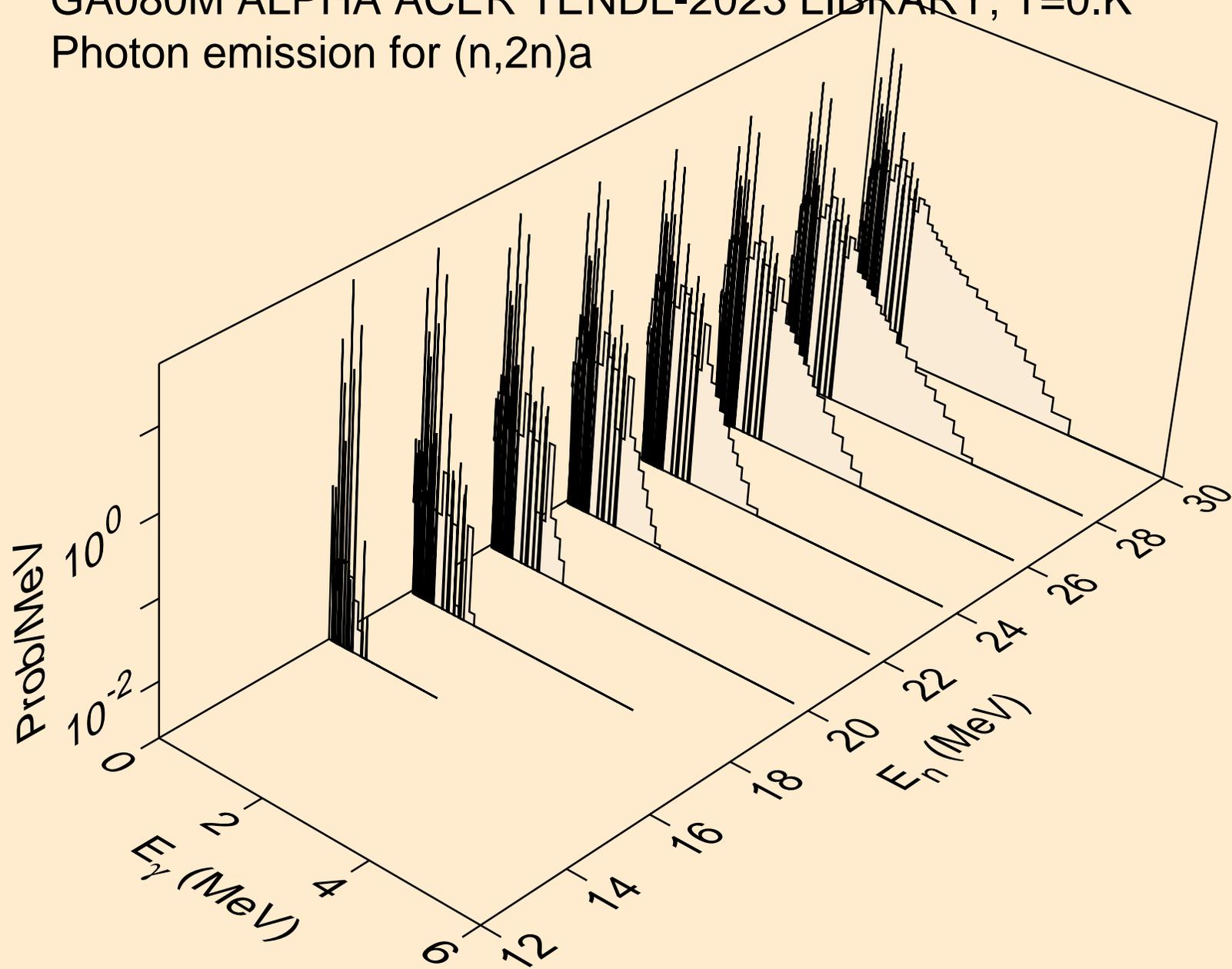Photon emission for (n,2n)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
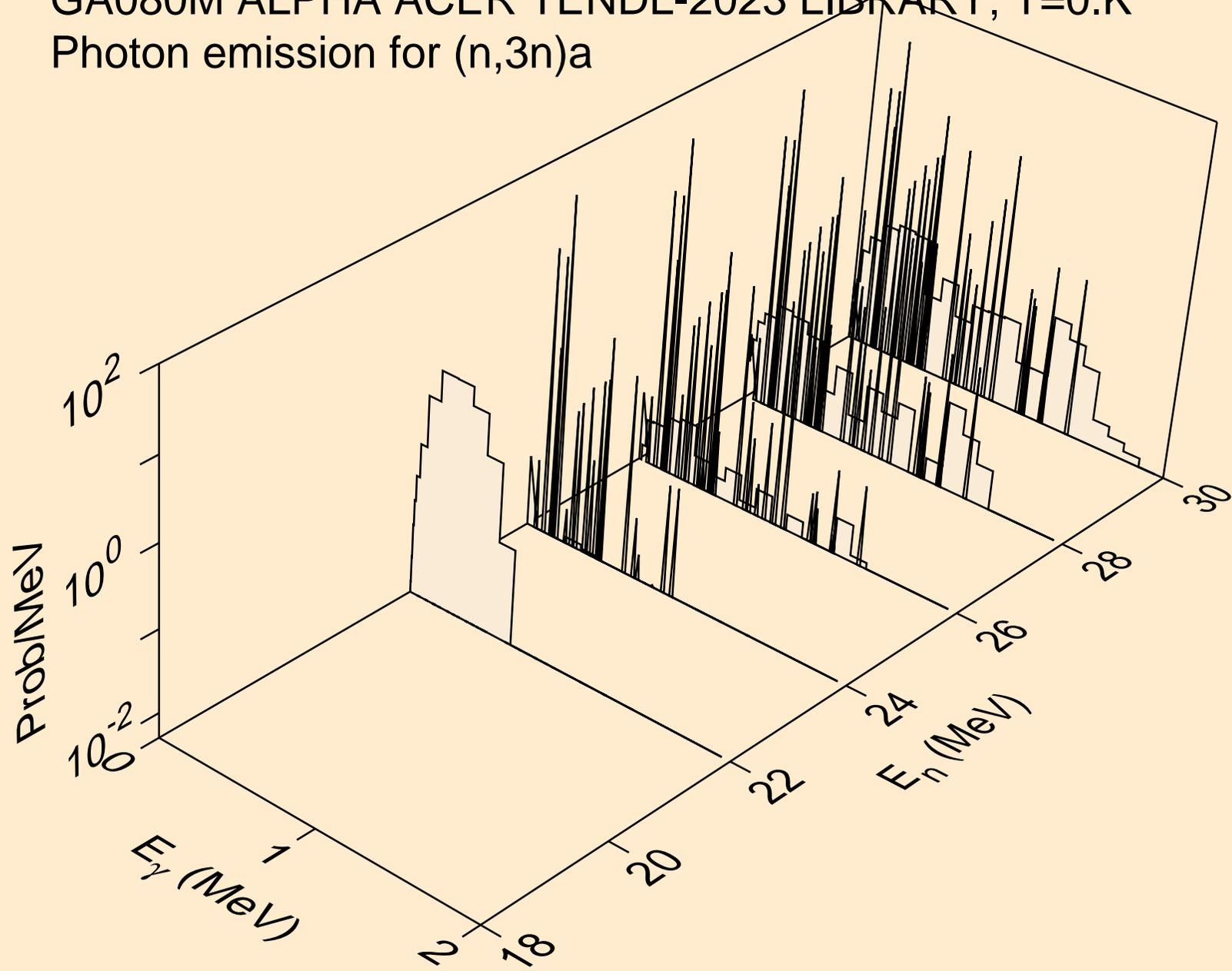Photon emission for (n,3n)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
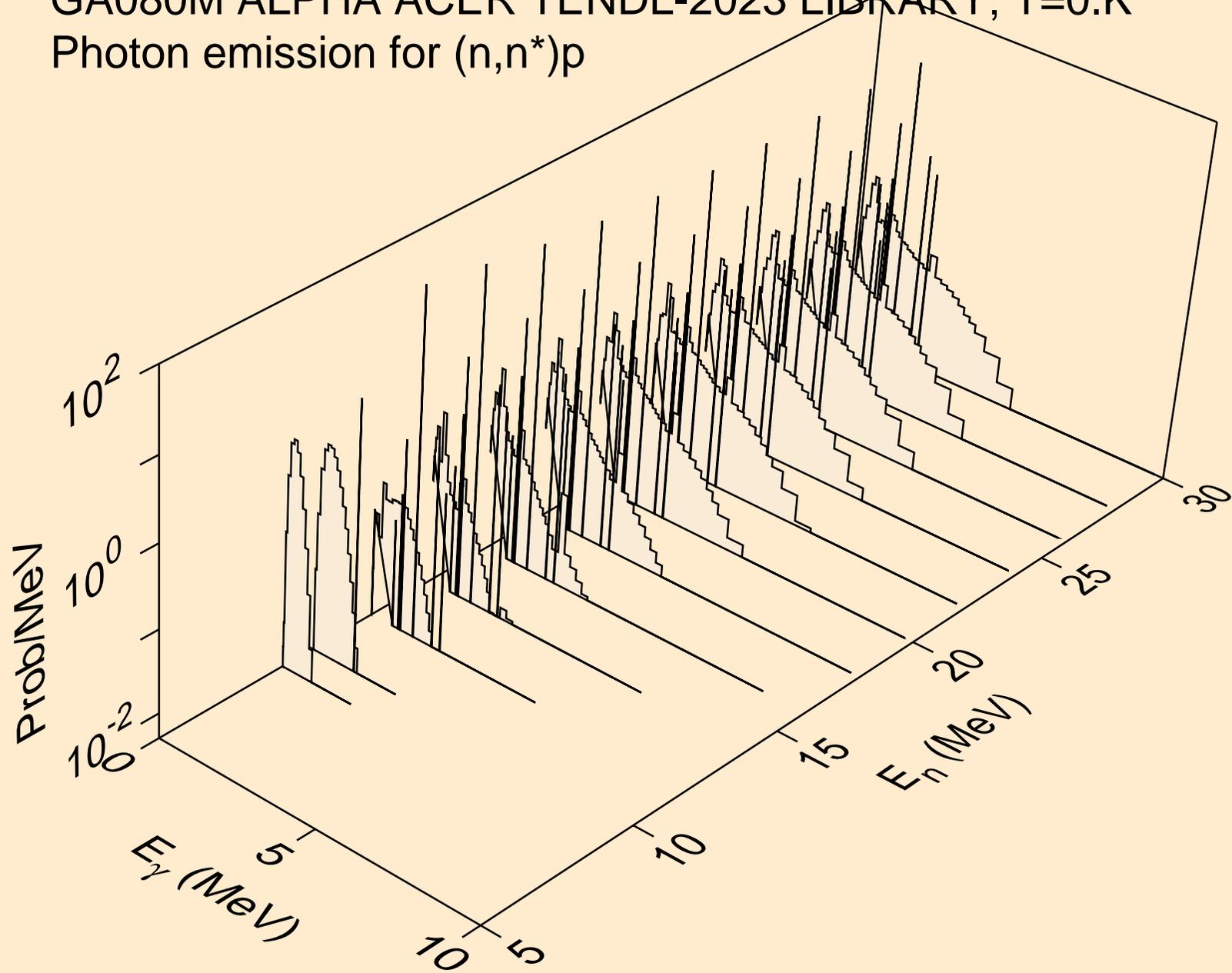Photon emission for (n,n*)p

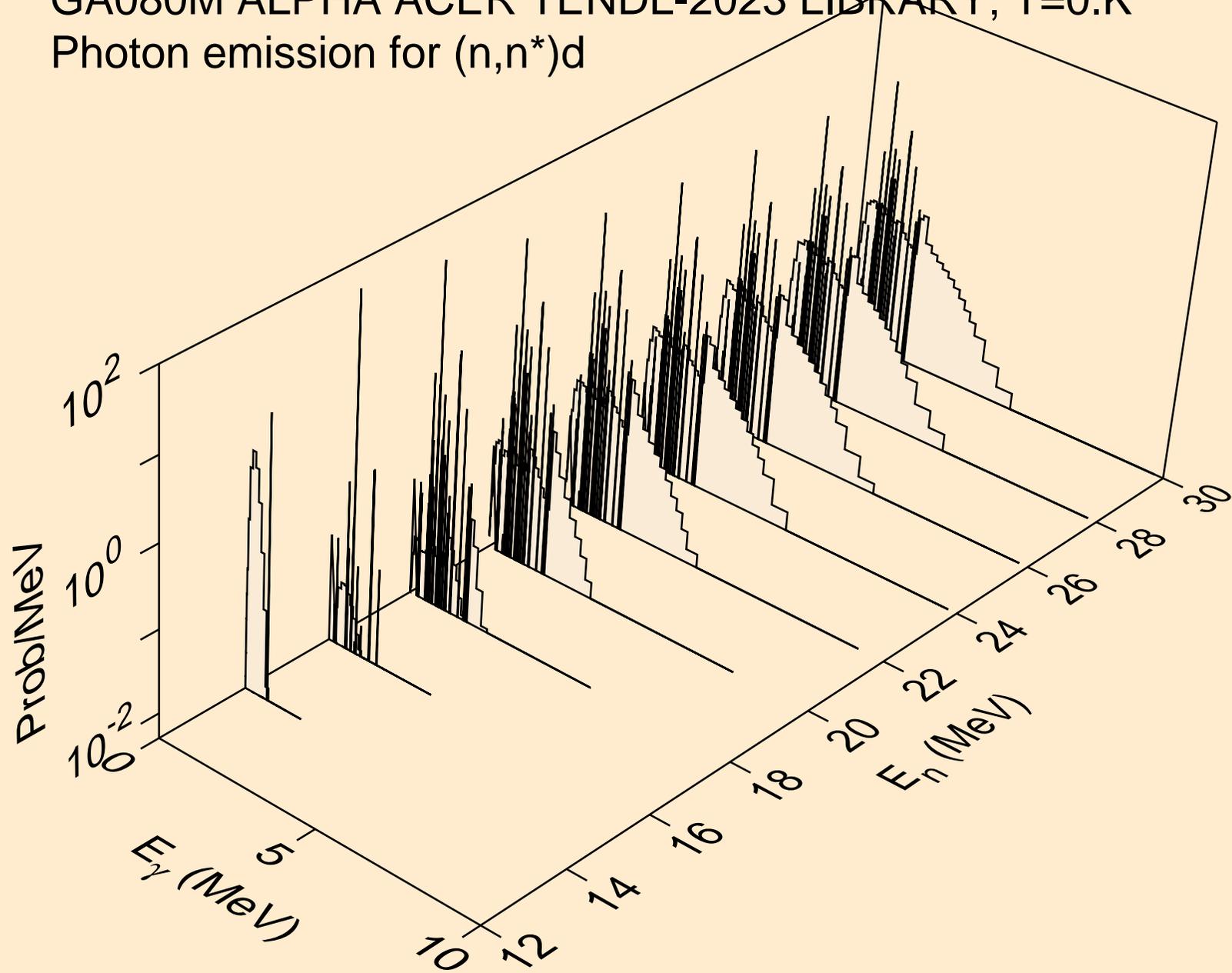GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d

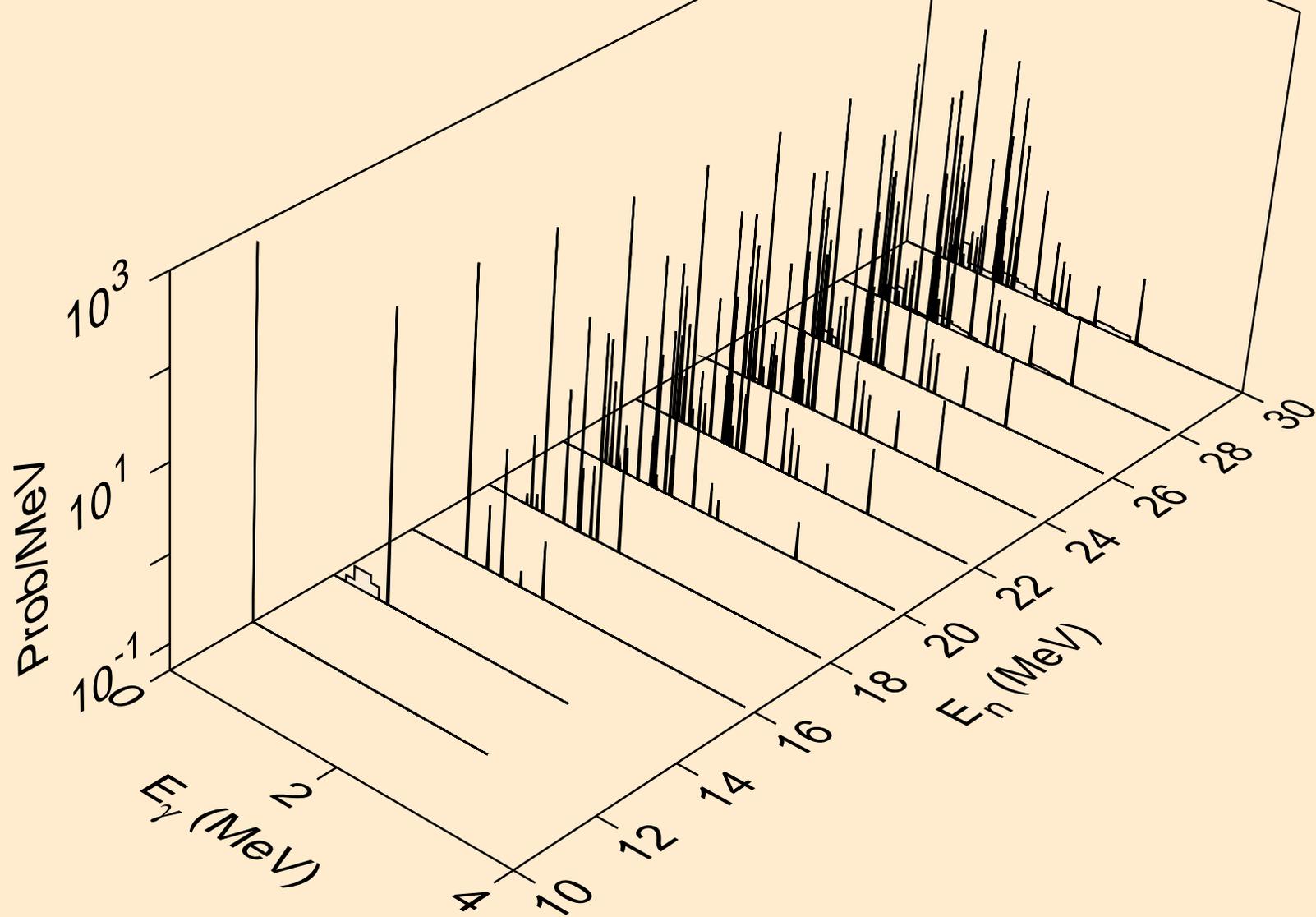GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t

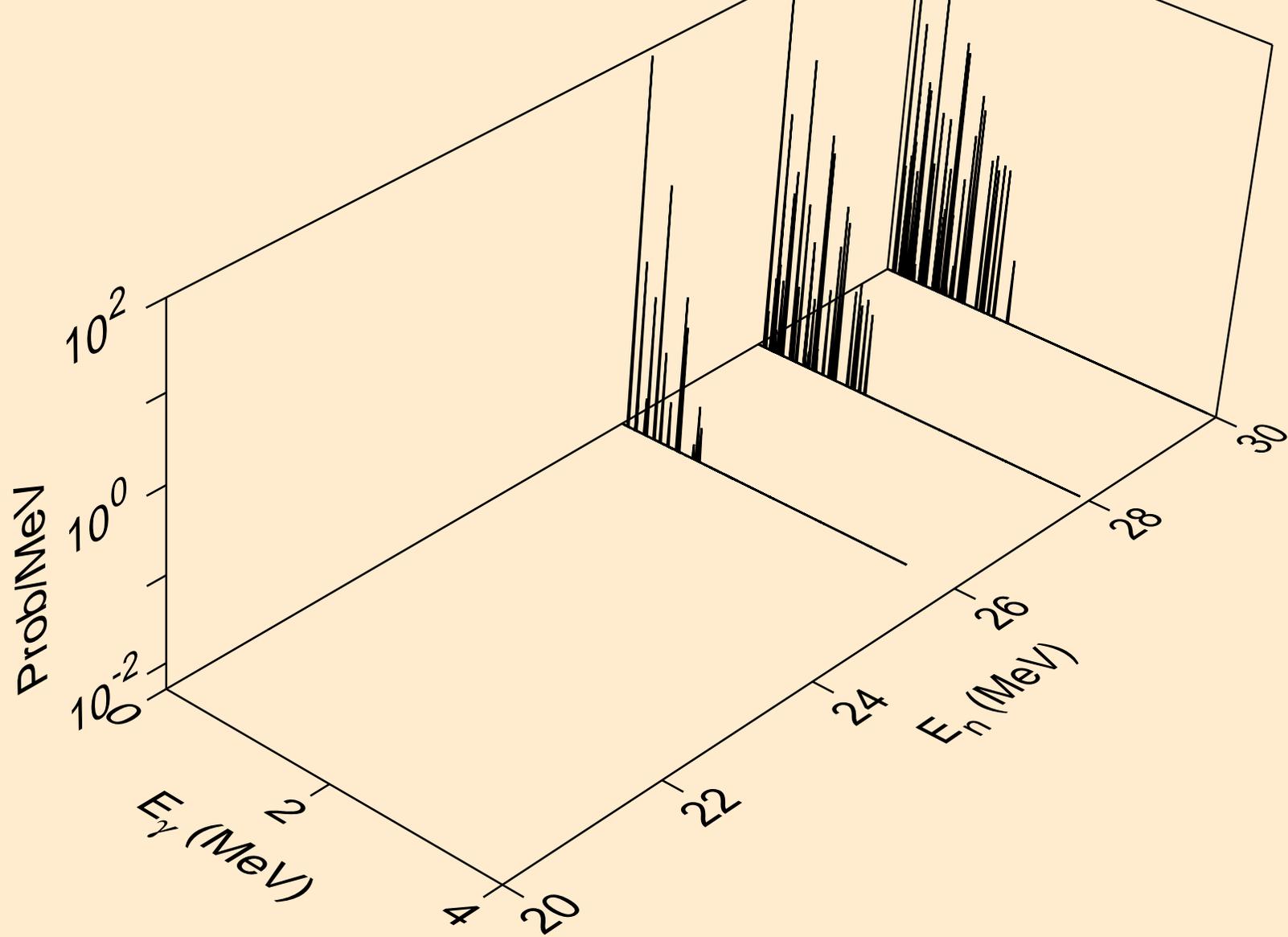GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)

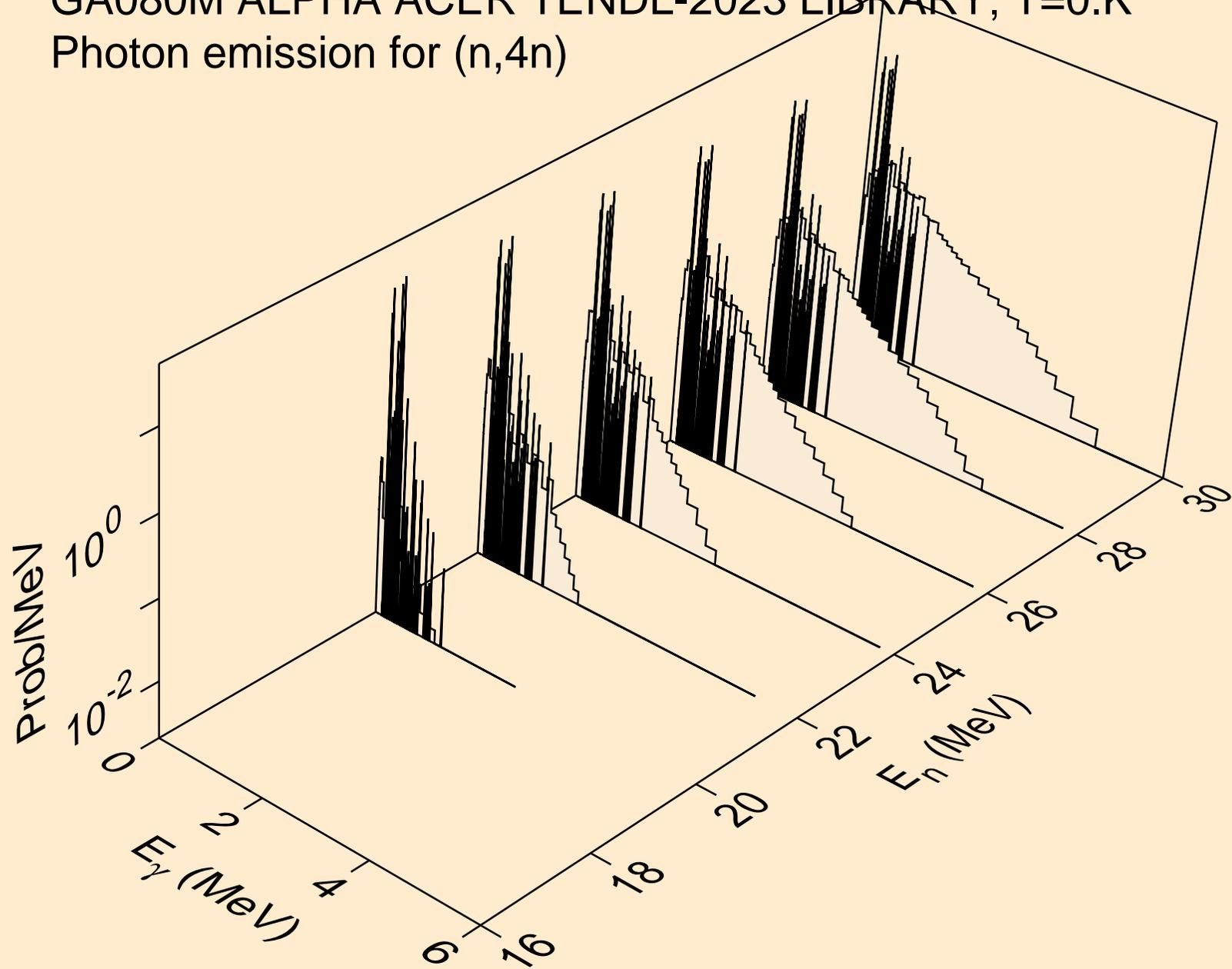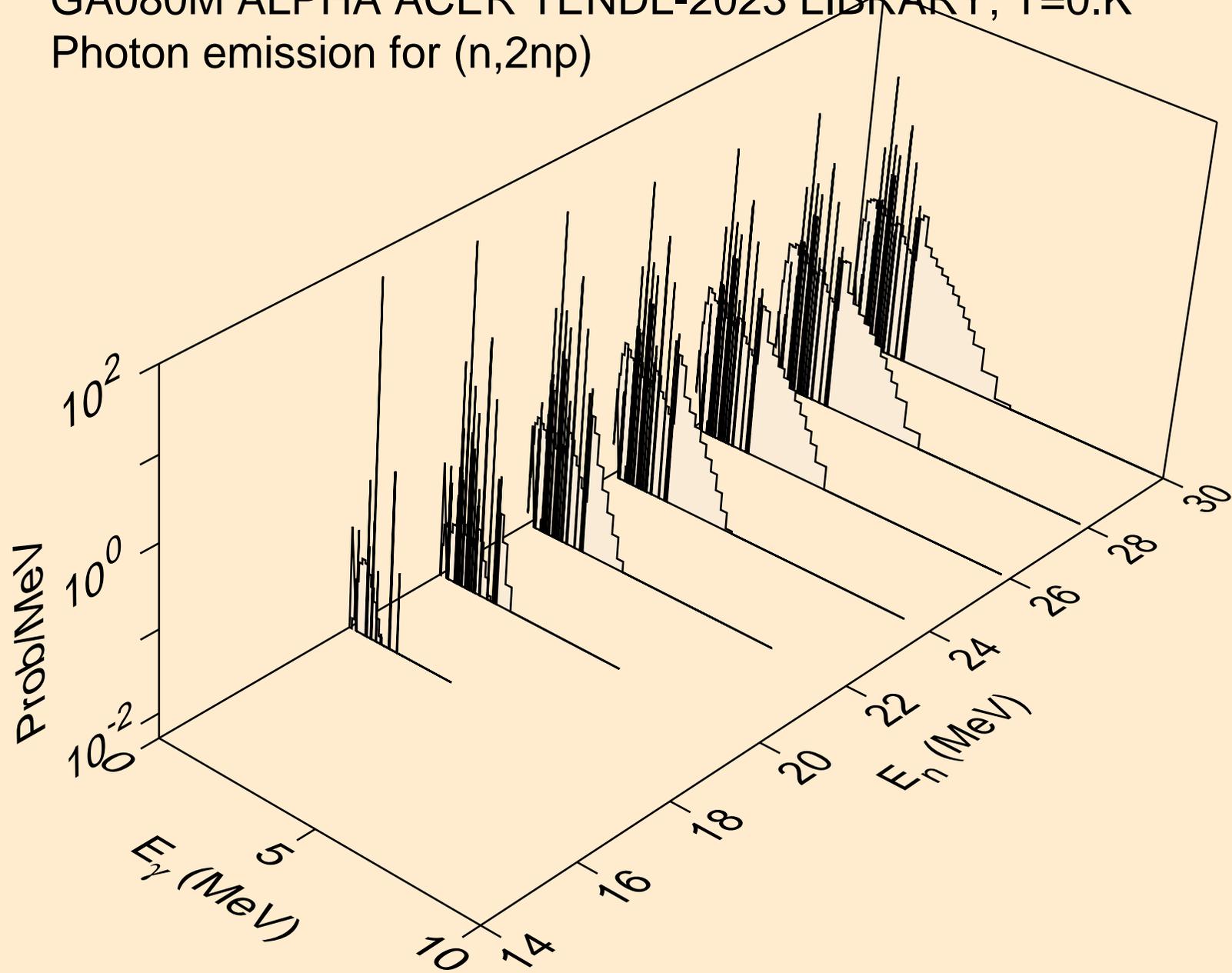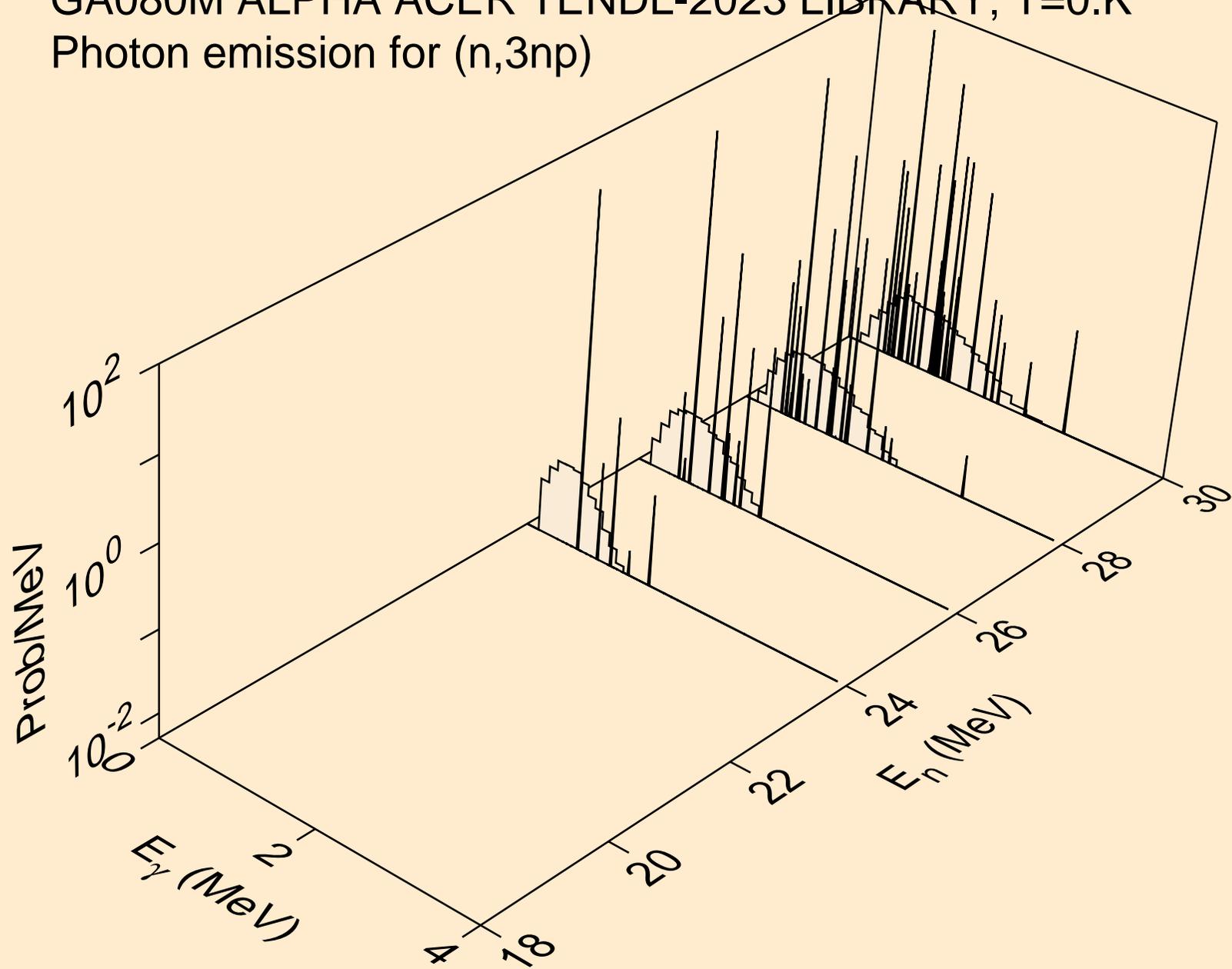GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)

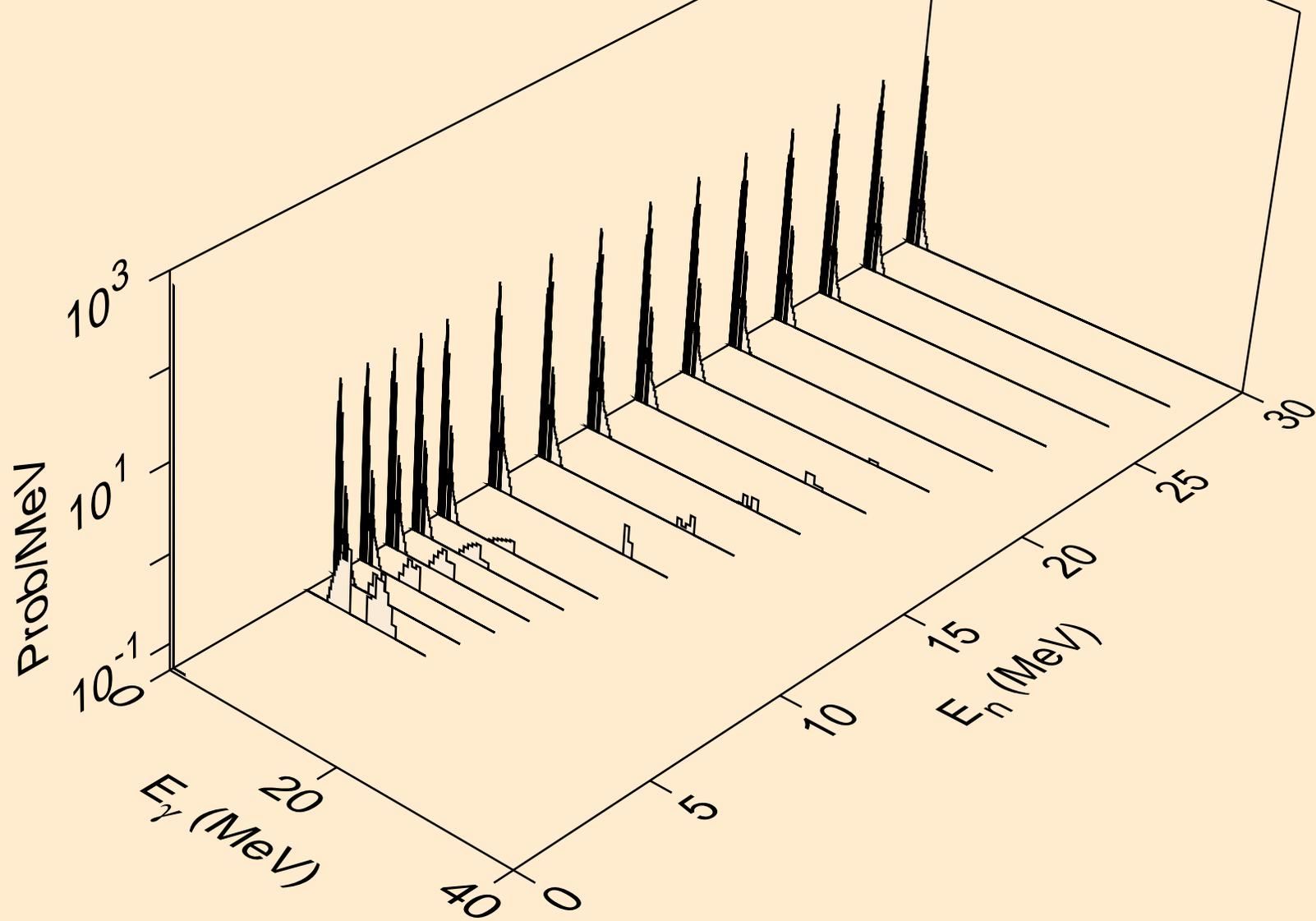GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)
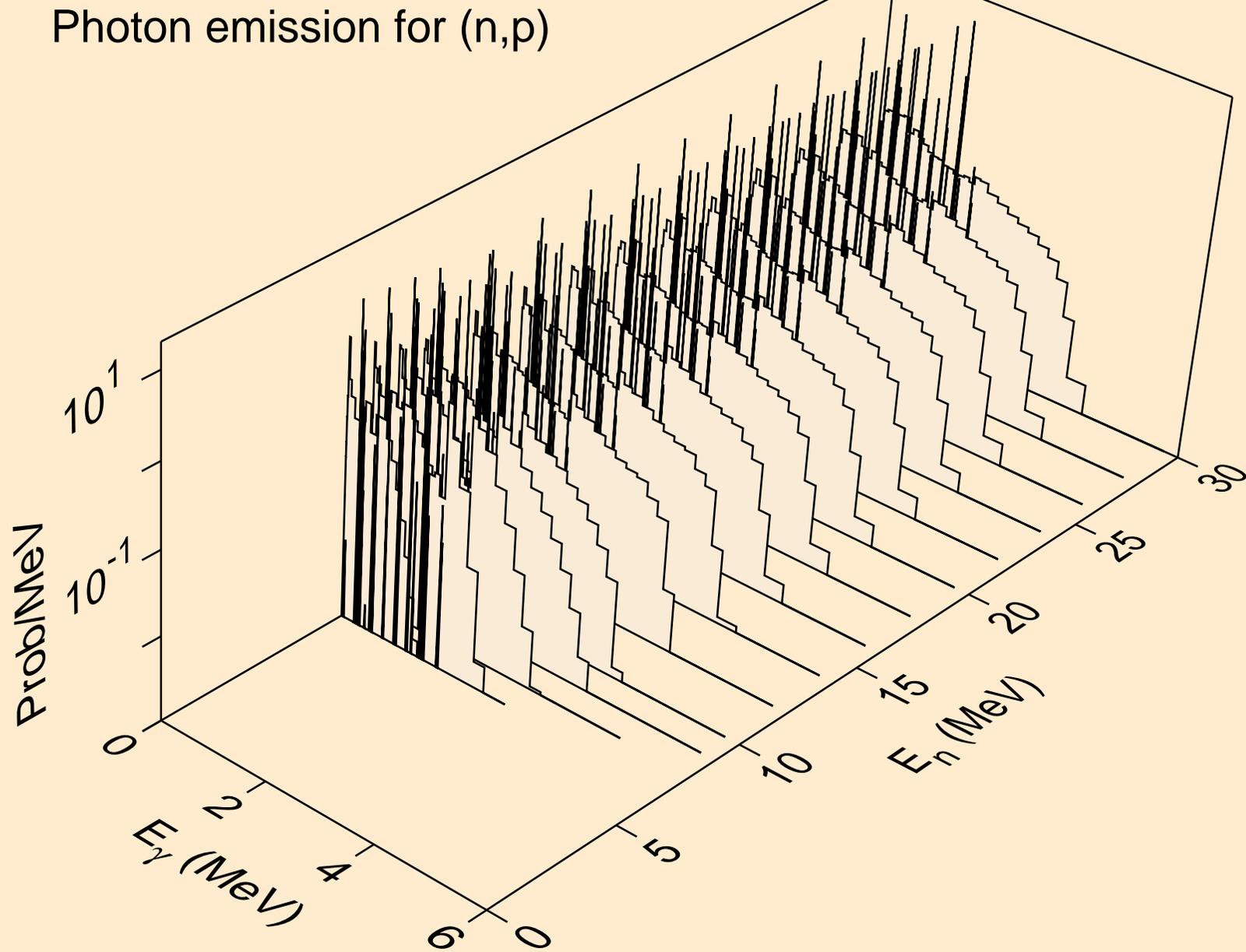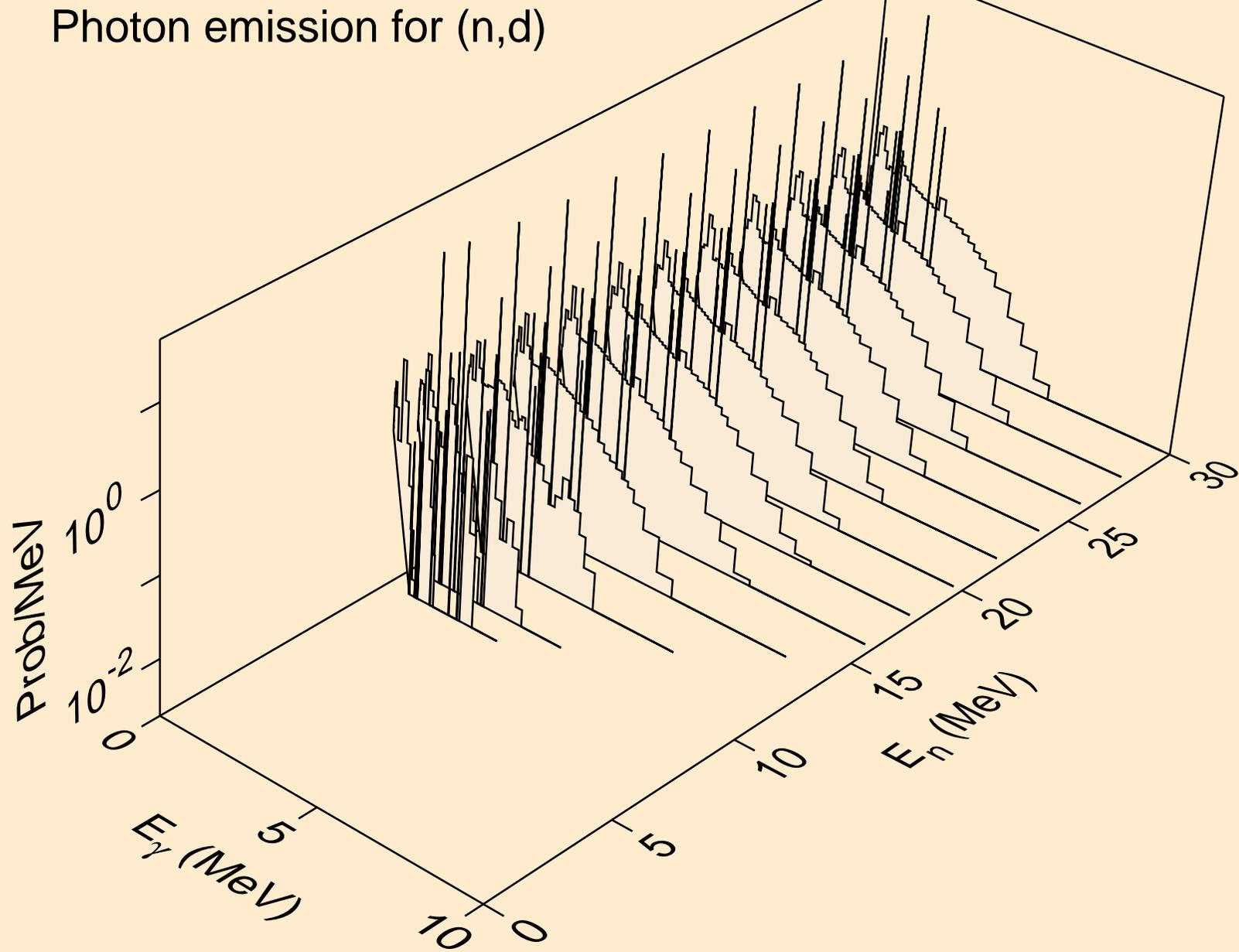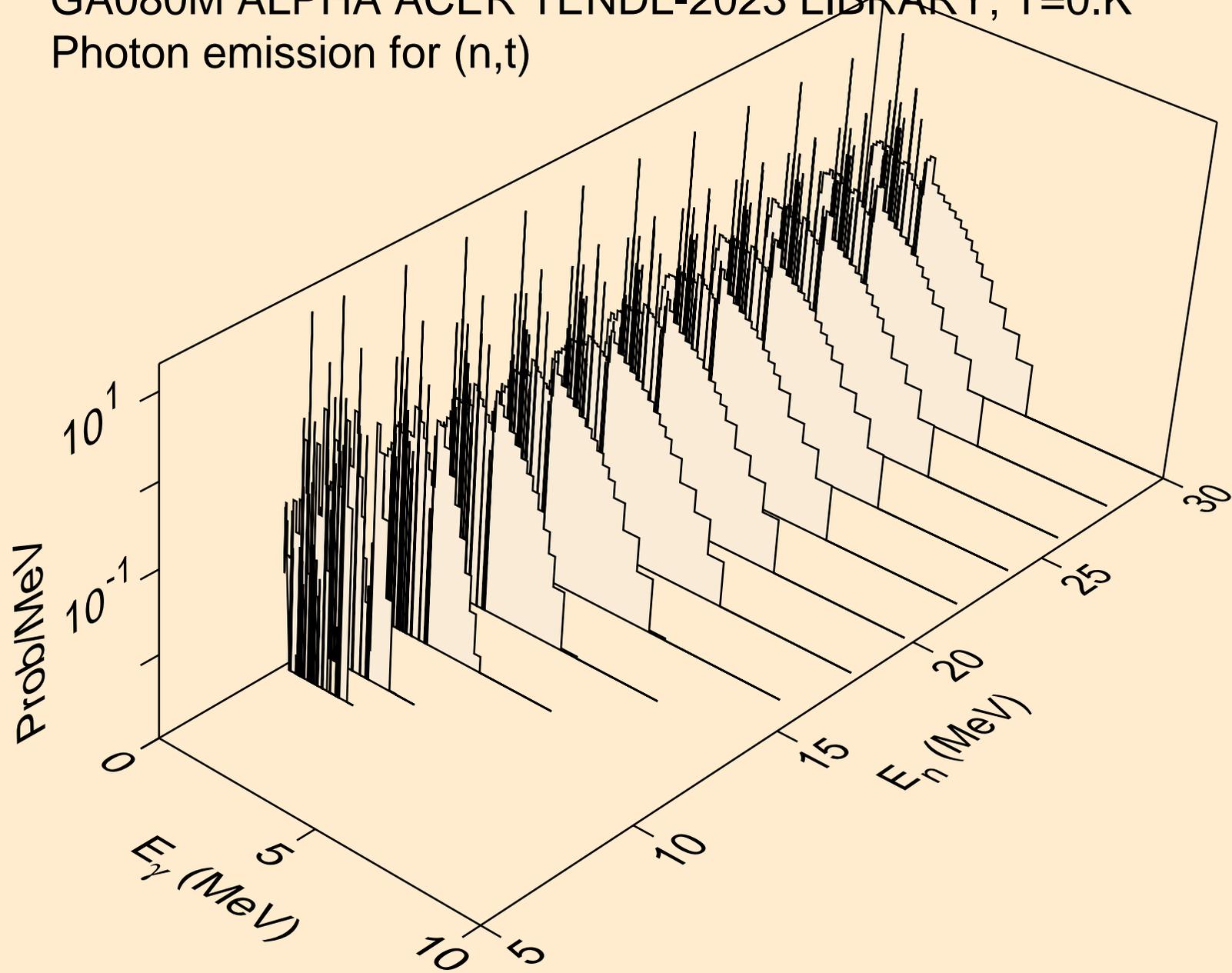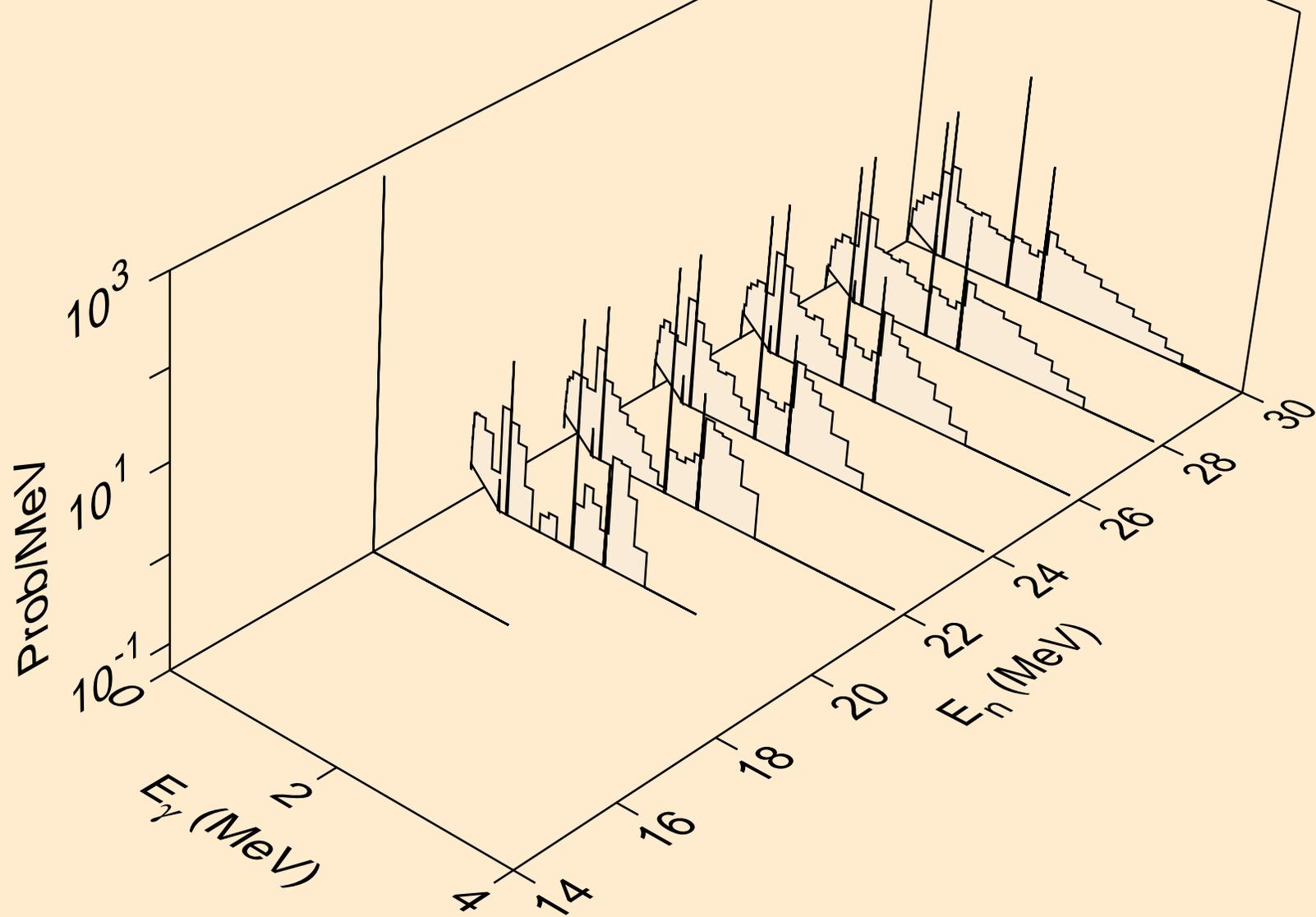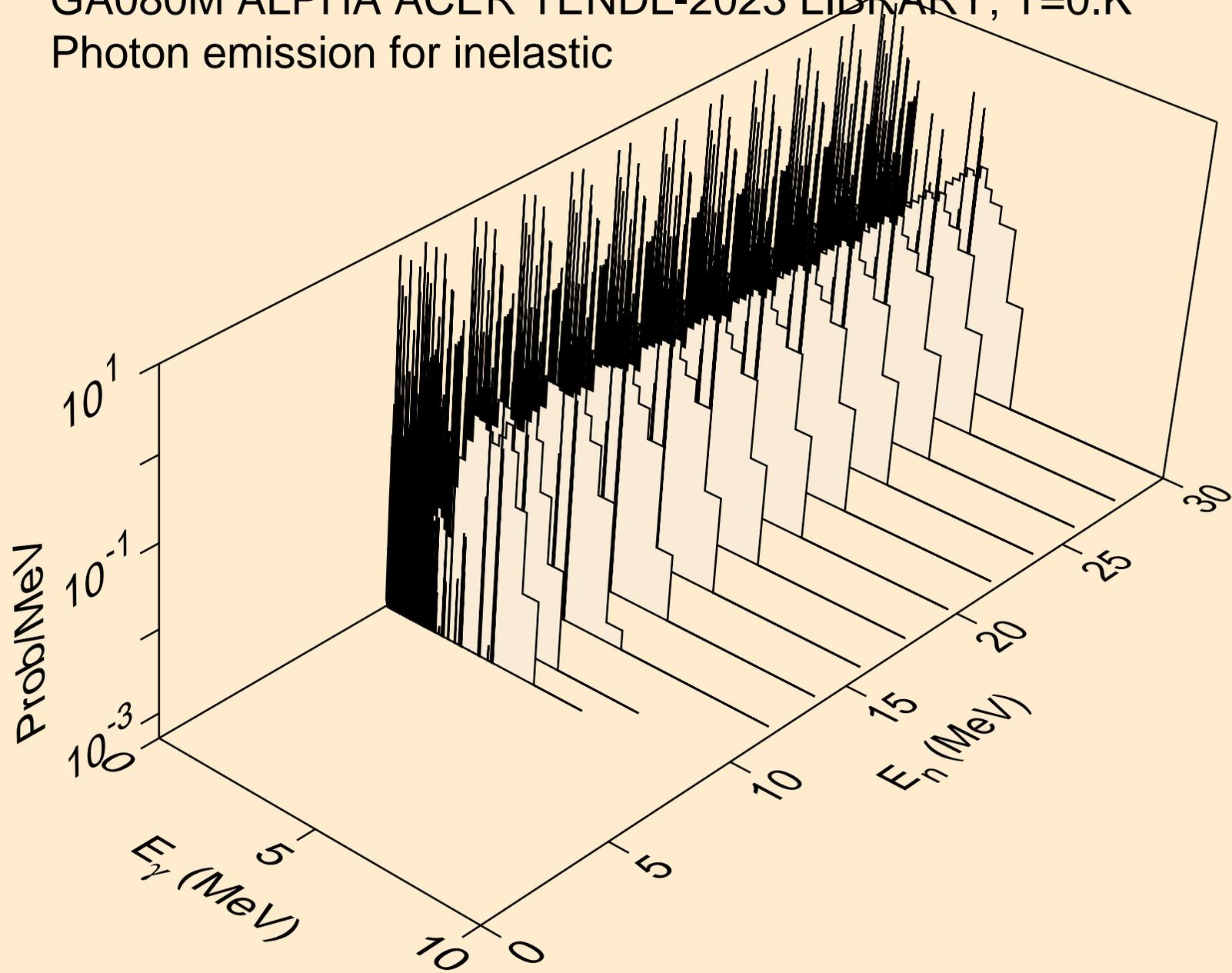
GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
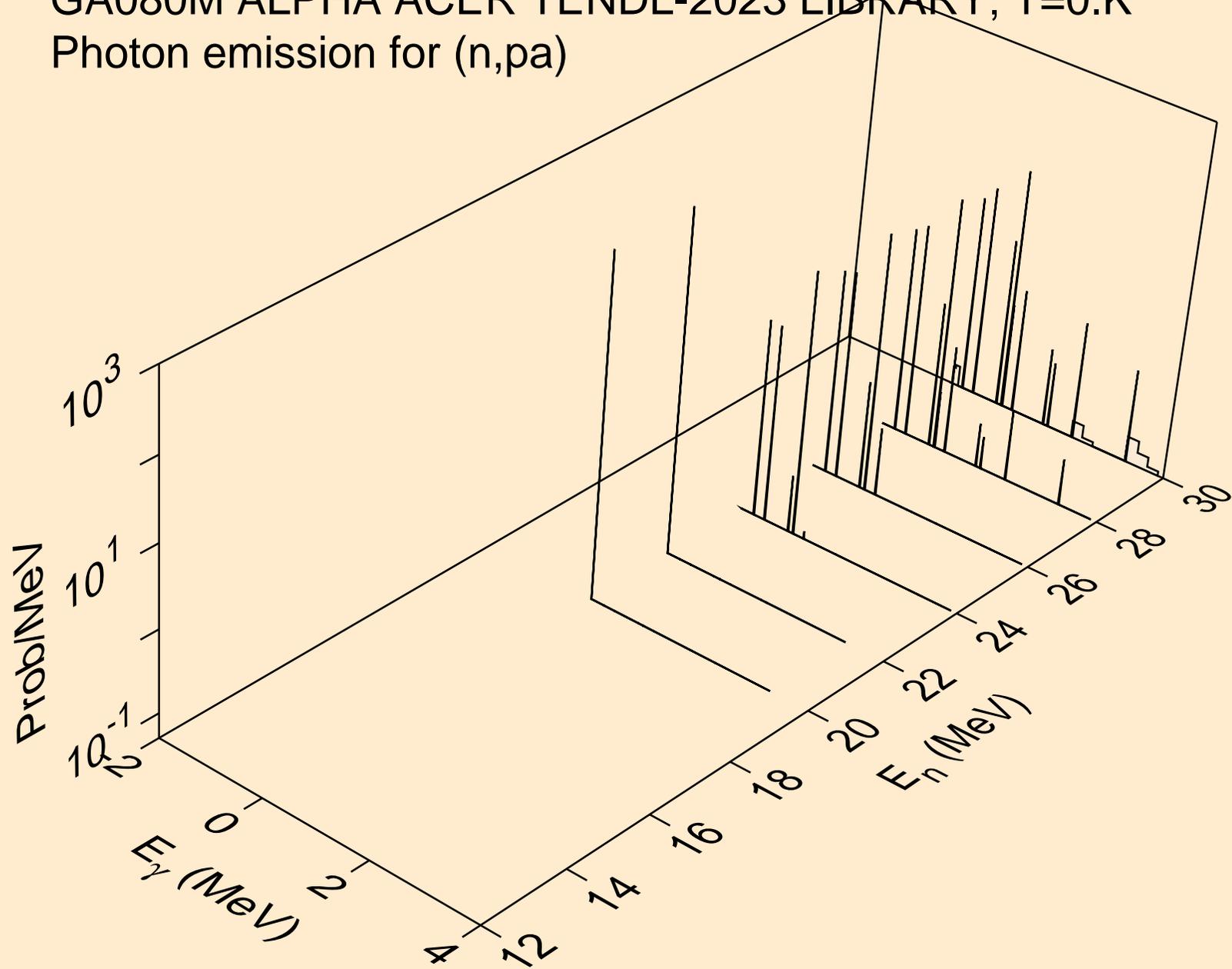Photon emission for (n,t)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
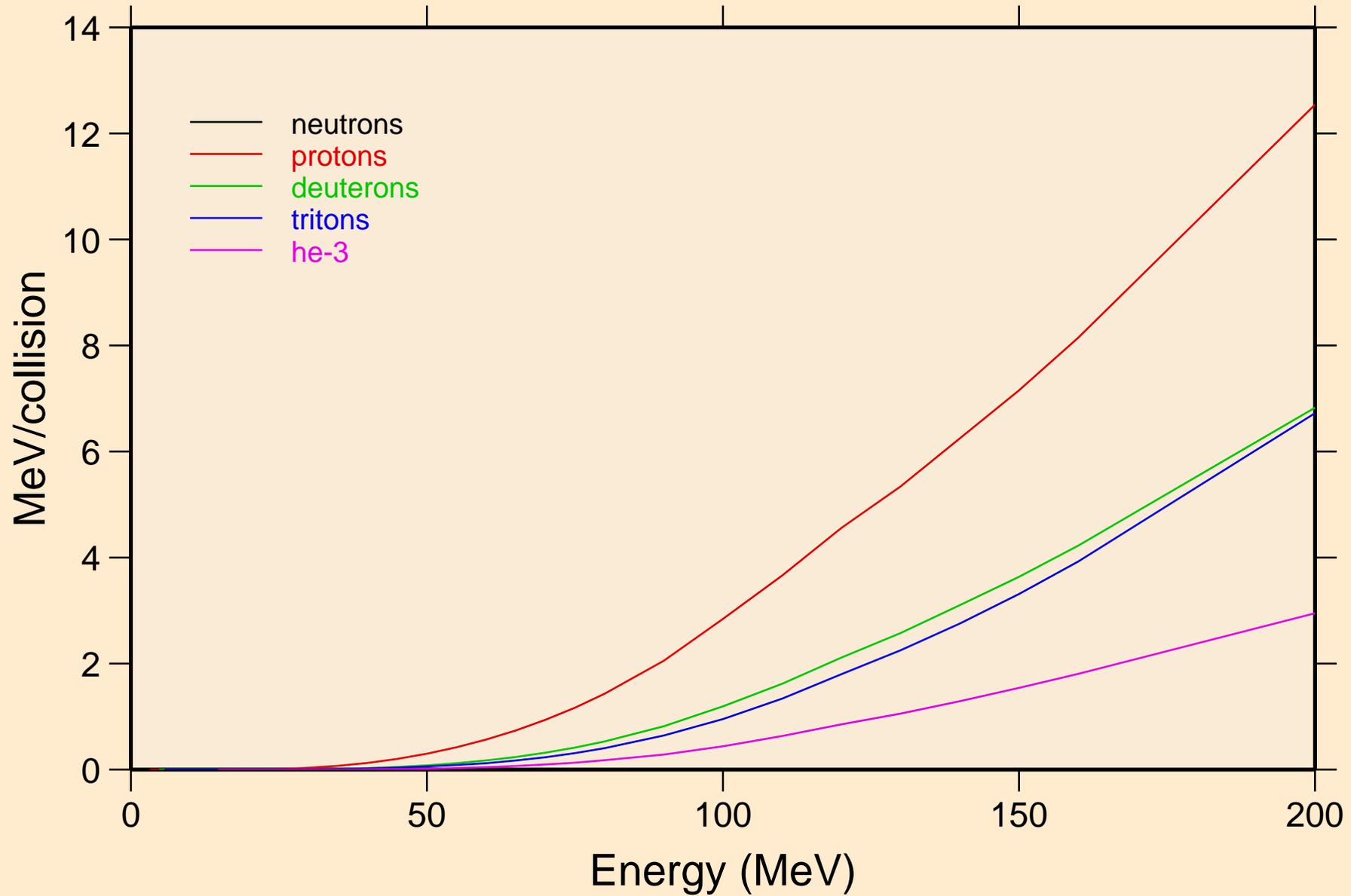Photon emission for (n,he3)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
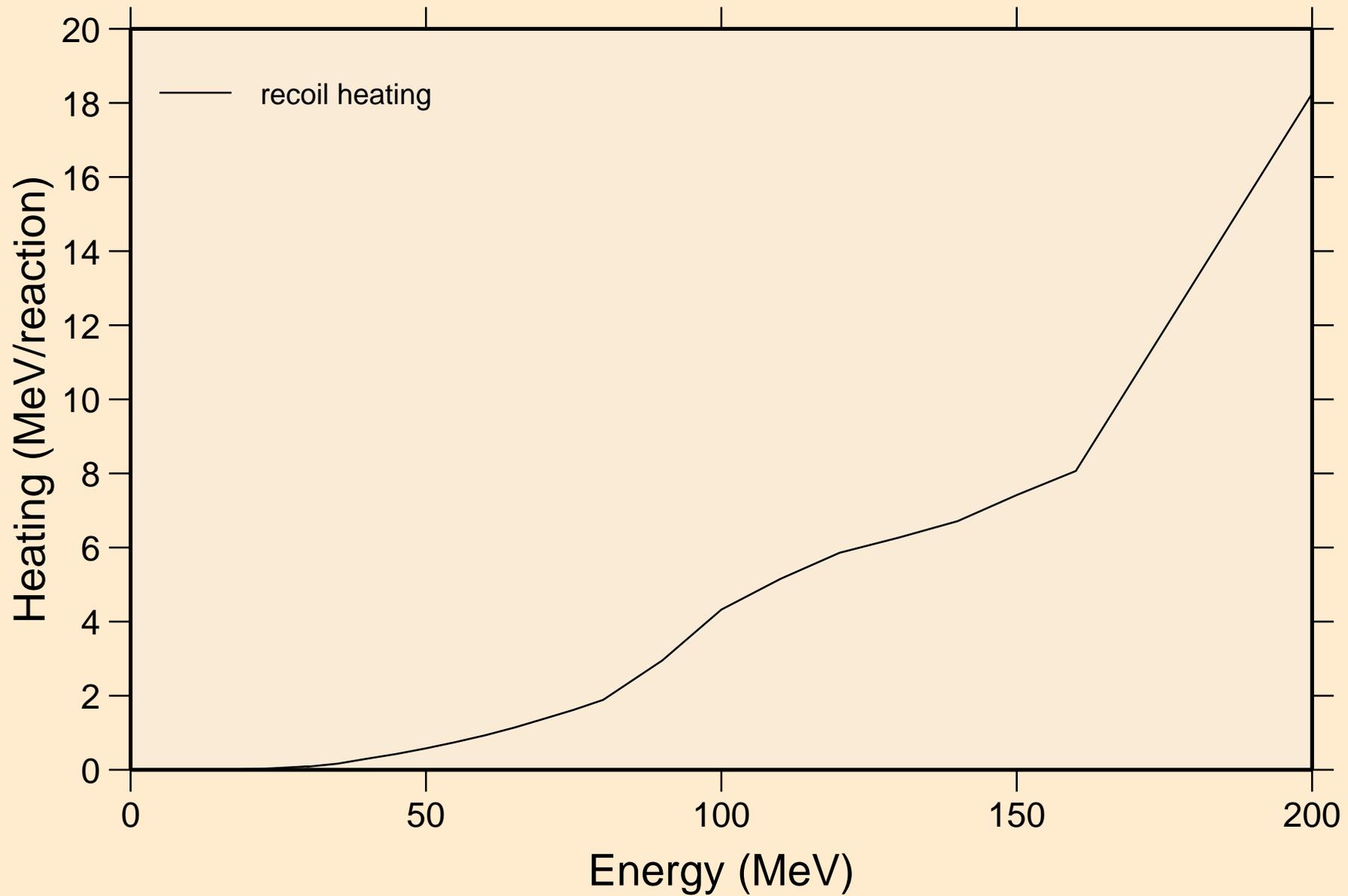Photon emission for inelastic

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
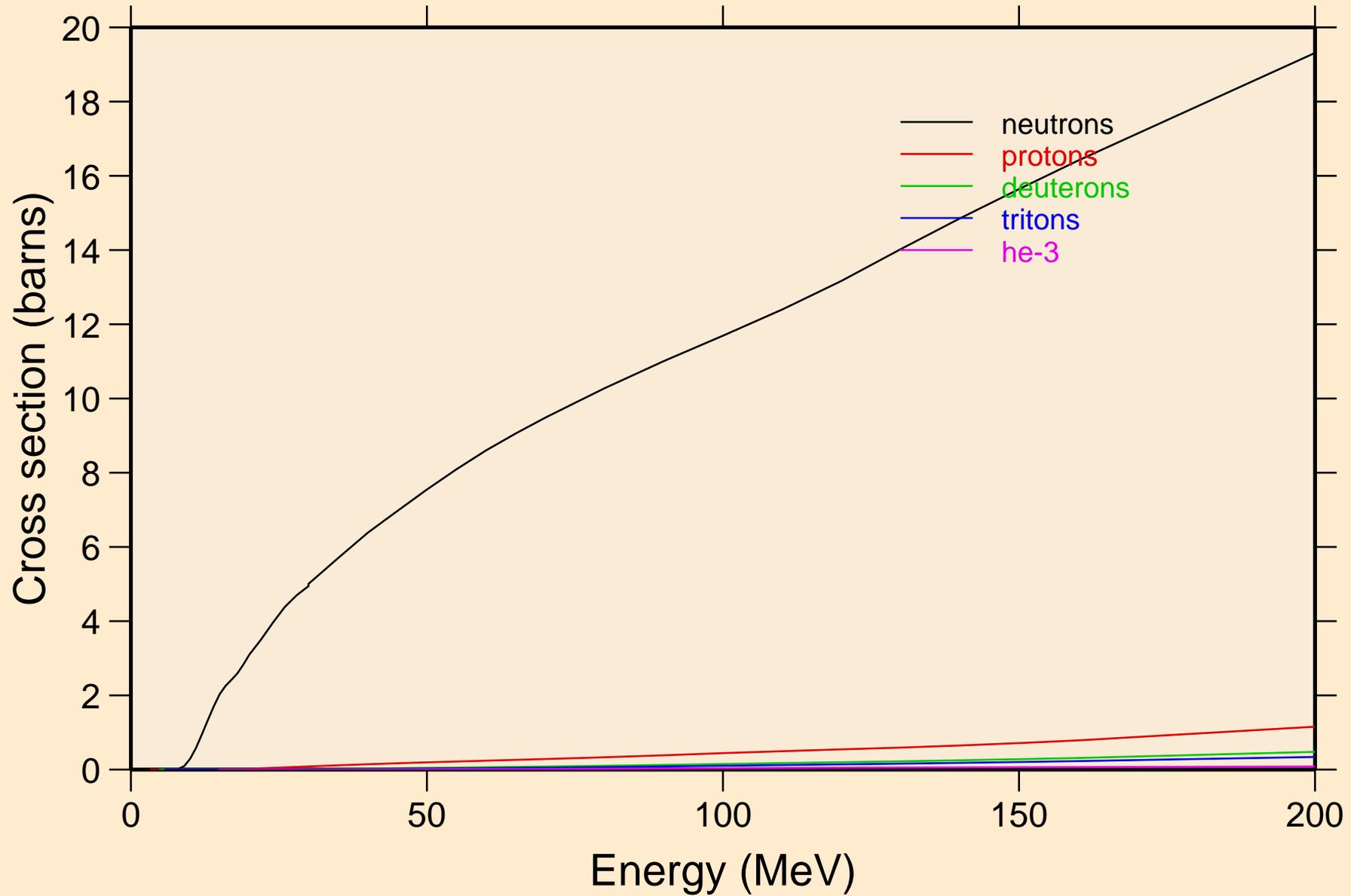Particle heating contributions

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
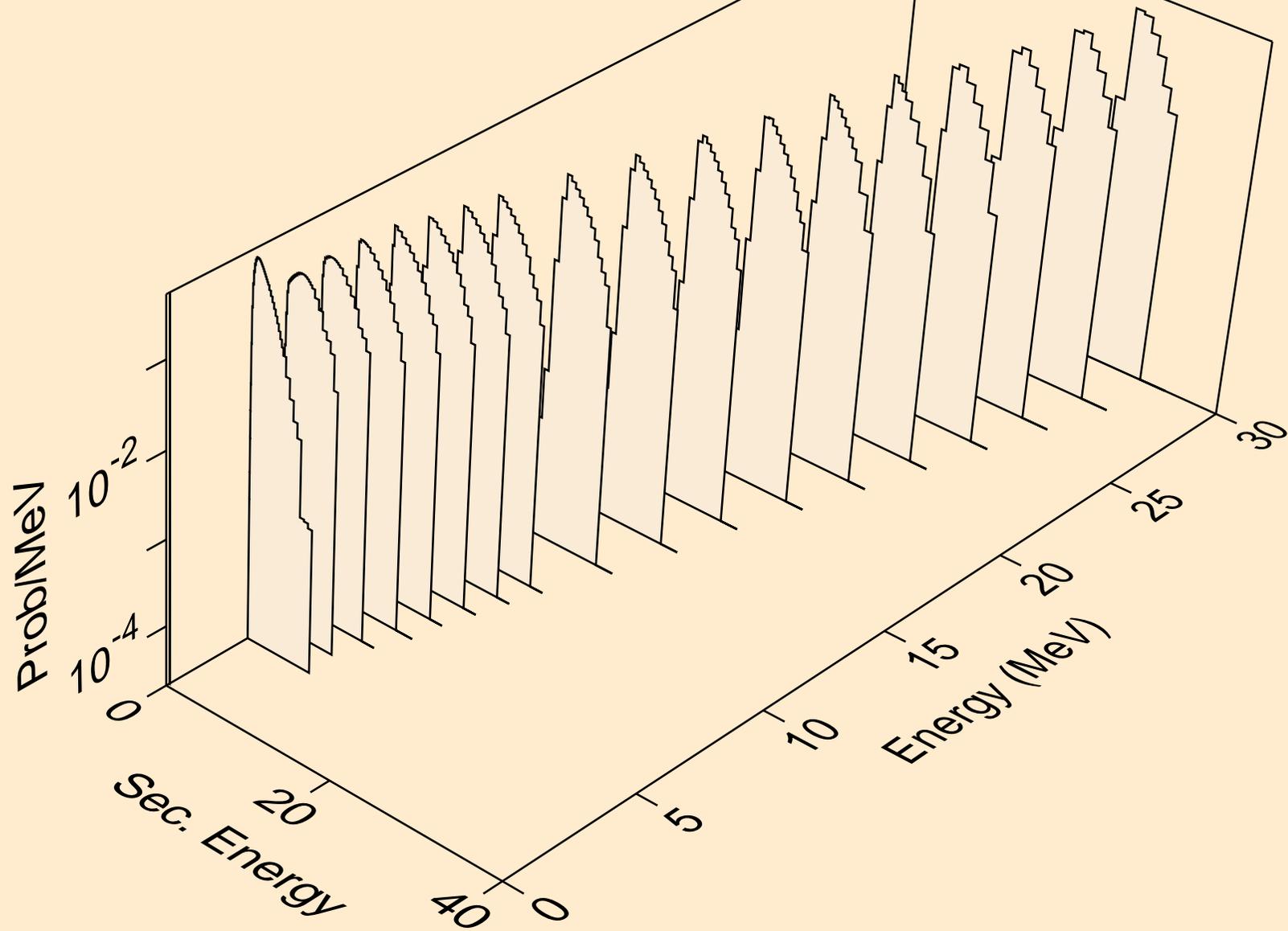Recoil Heating

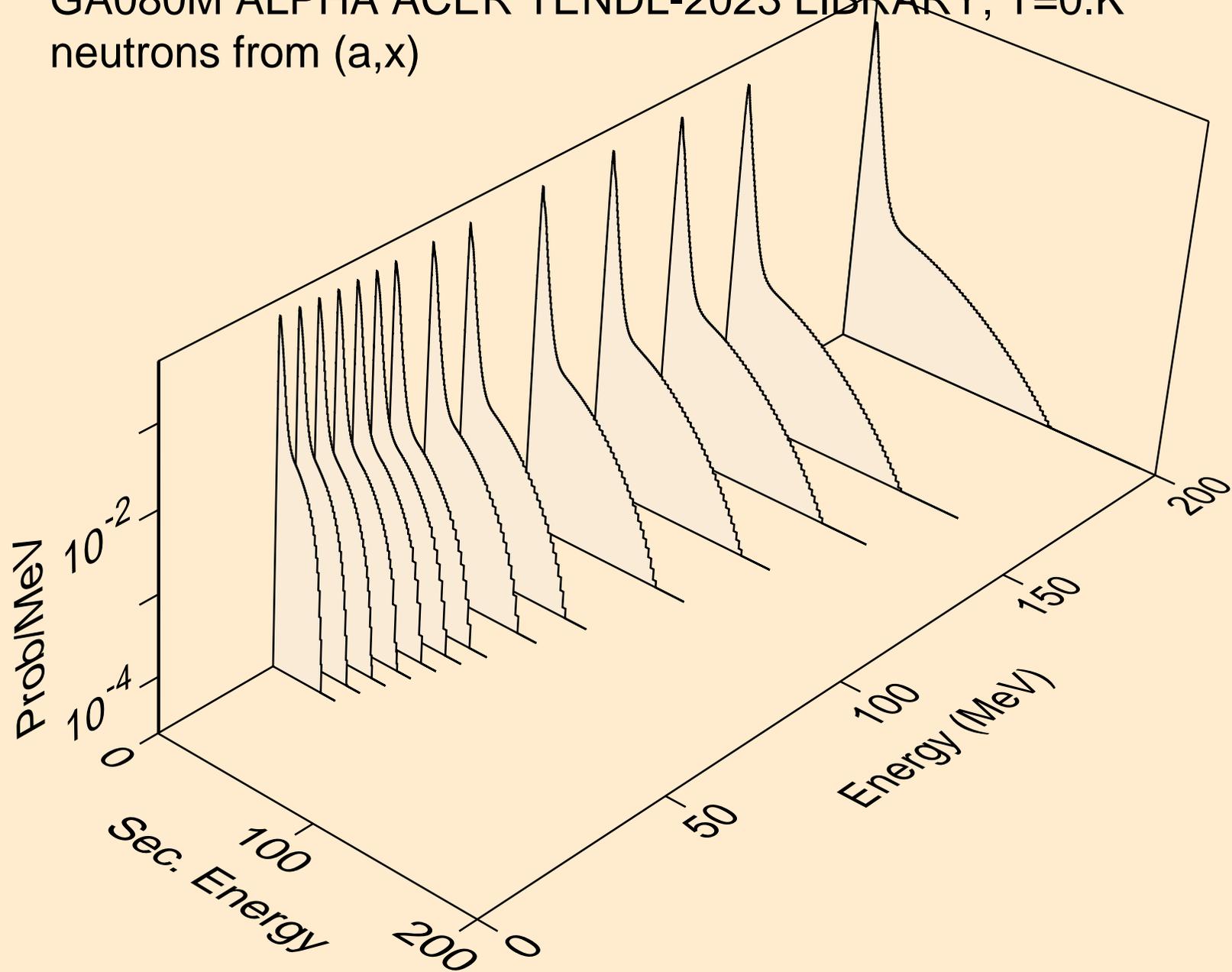GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections

neutrons
protons
deuterons
tritons
he-3

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2nd)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)

Prob/MeV

10^0

10^{-2}

0

Sec. Energy

20

40

0

5

10

15

20

25

30

Energy (MeV)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)

ProbMeV

10^1

10^{-1}

0

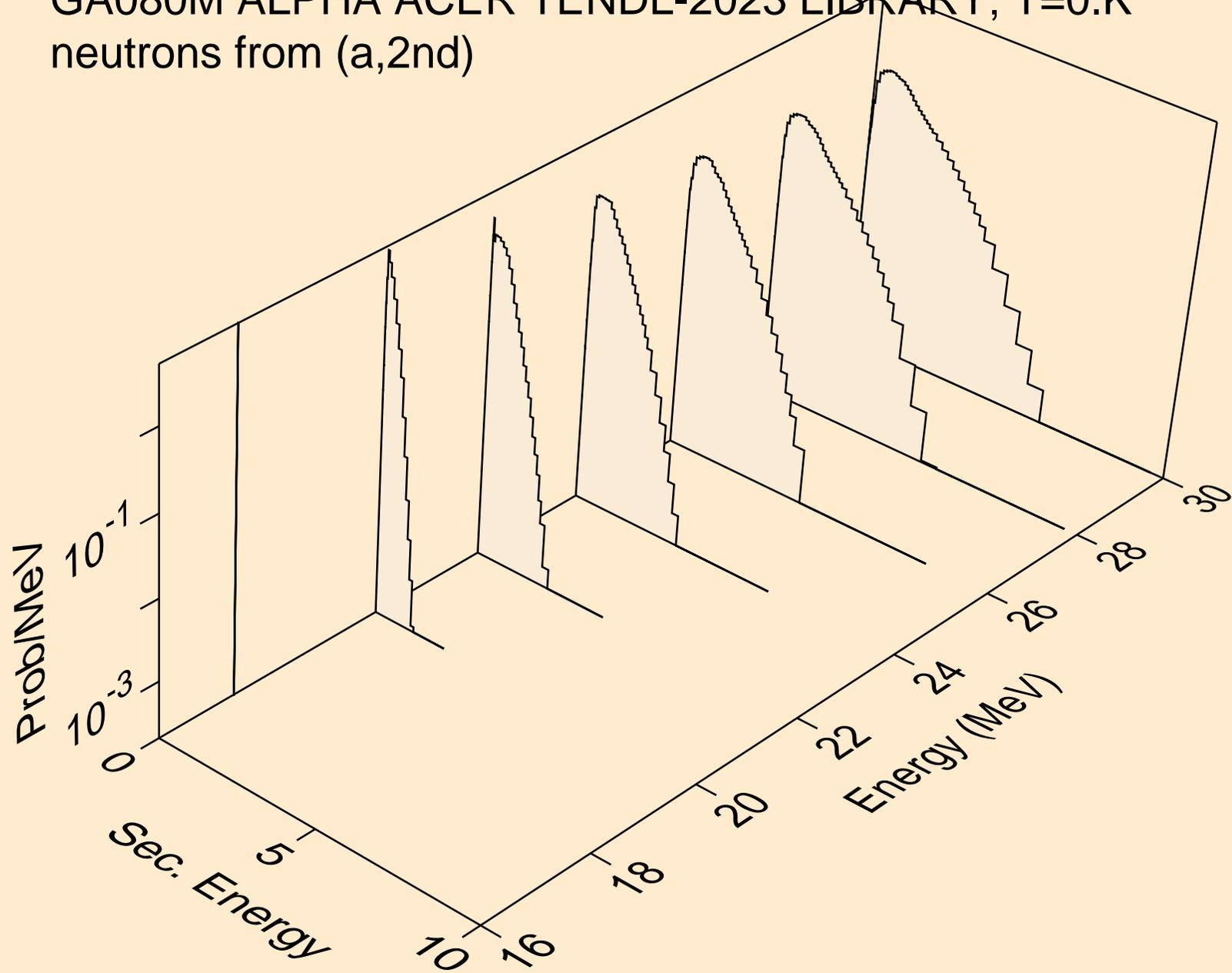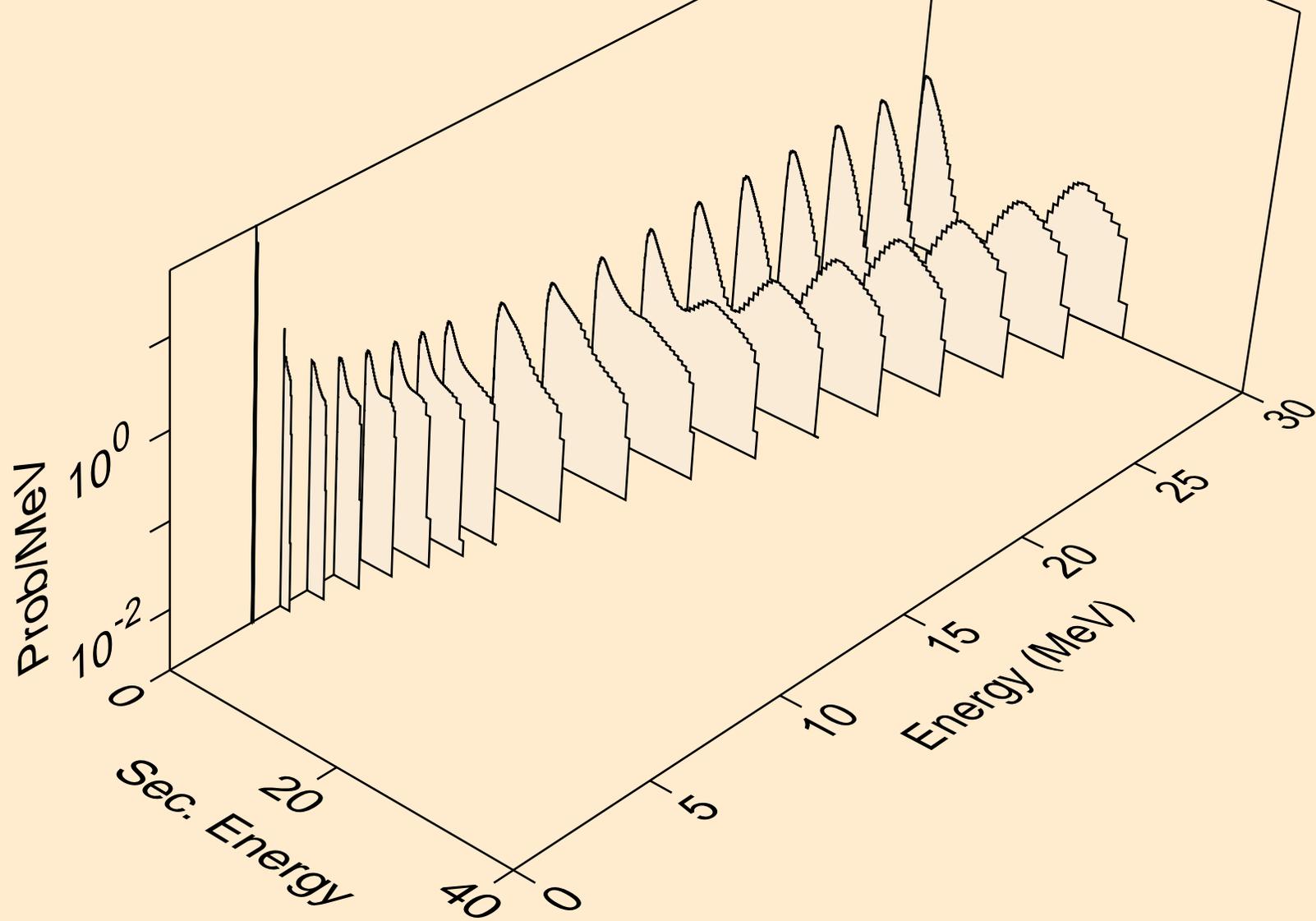Sec. Energy

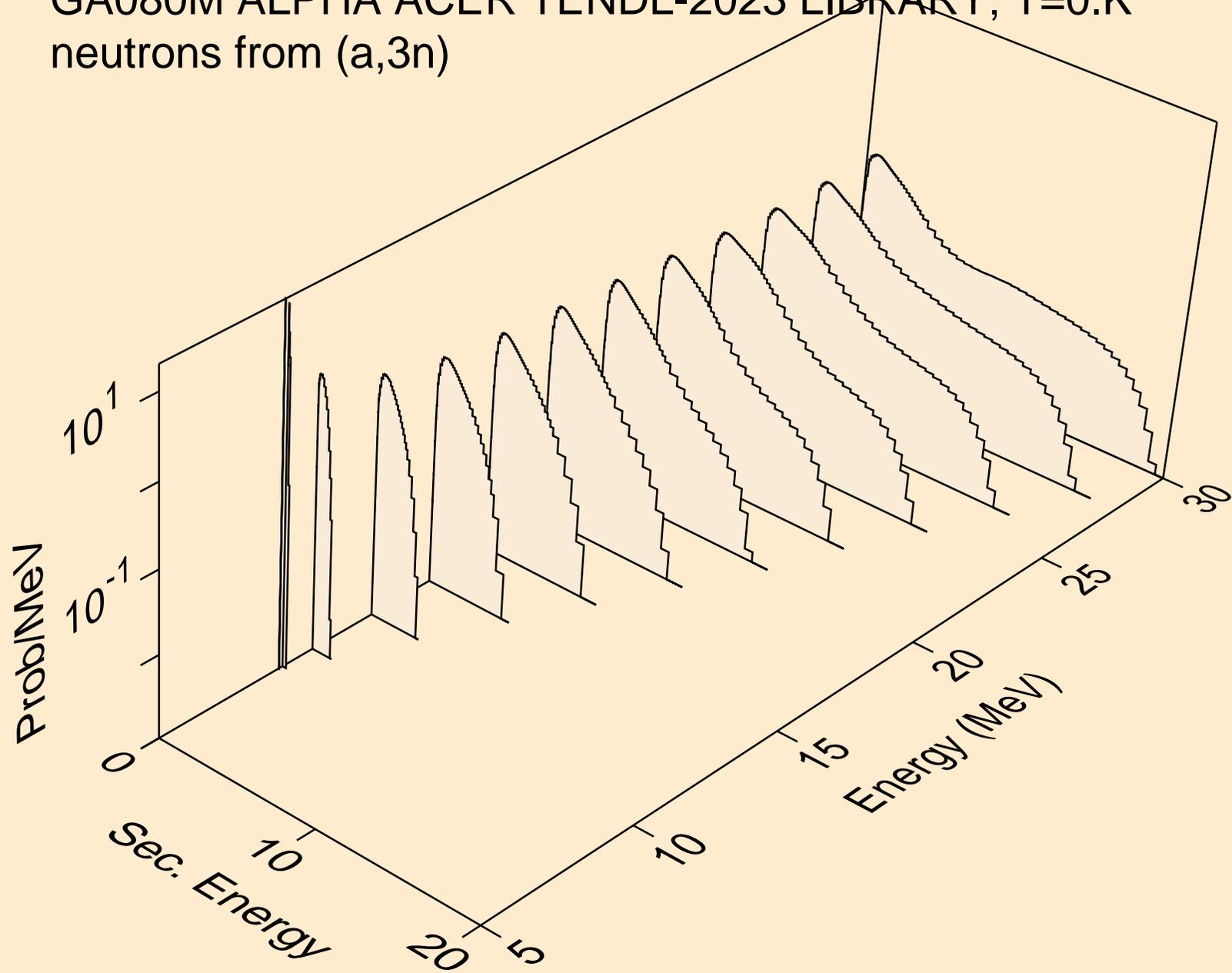10

20

Energy (MeV)

5

10

15

20

25

30

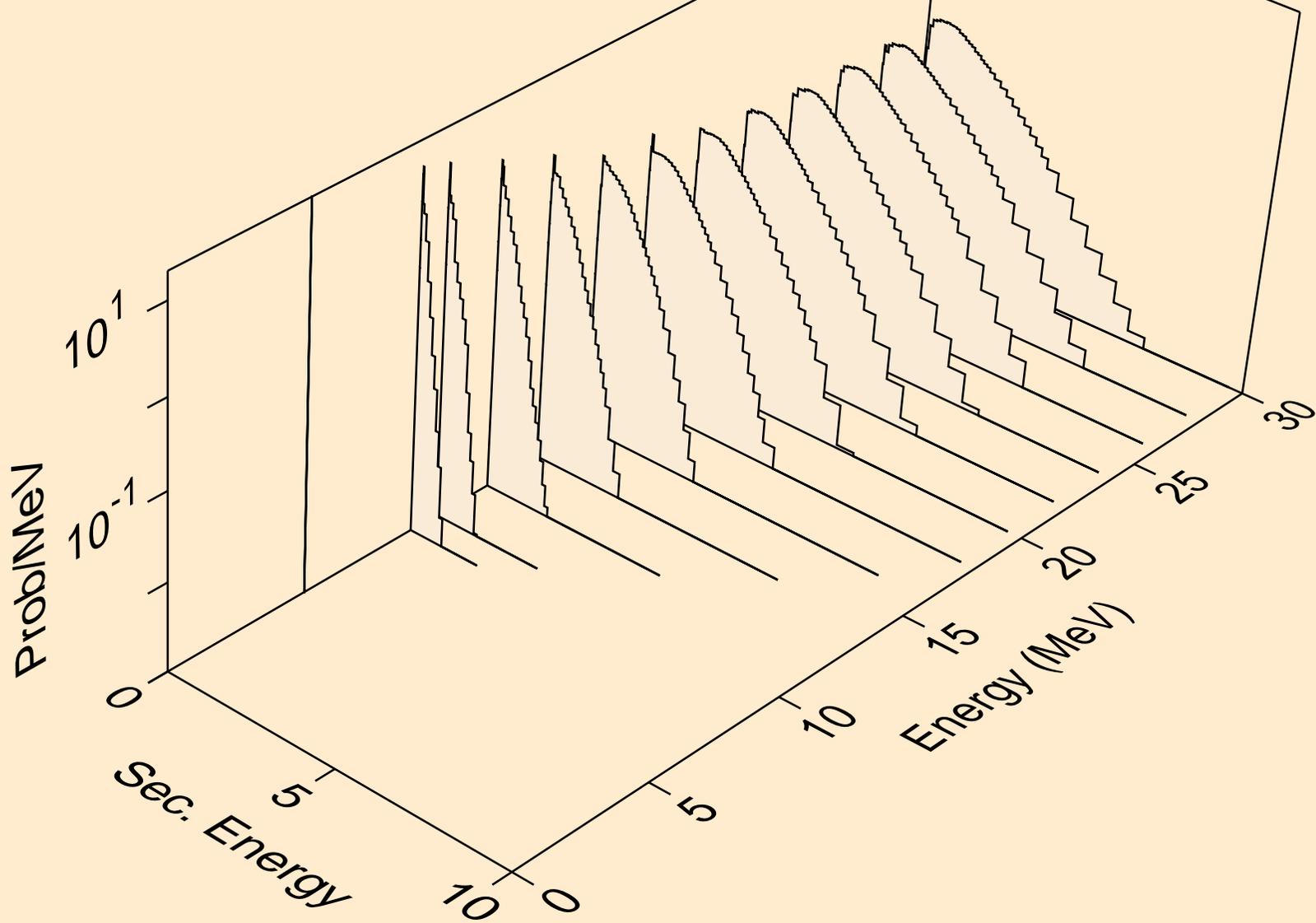GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a

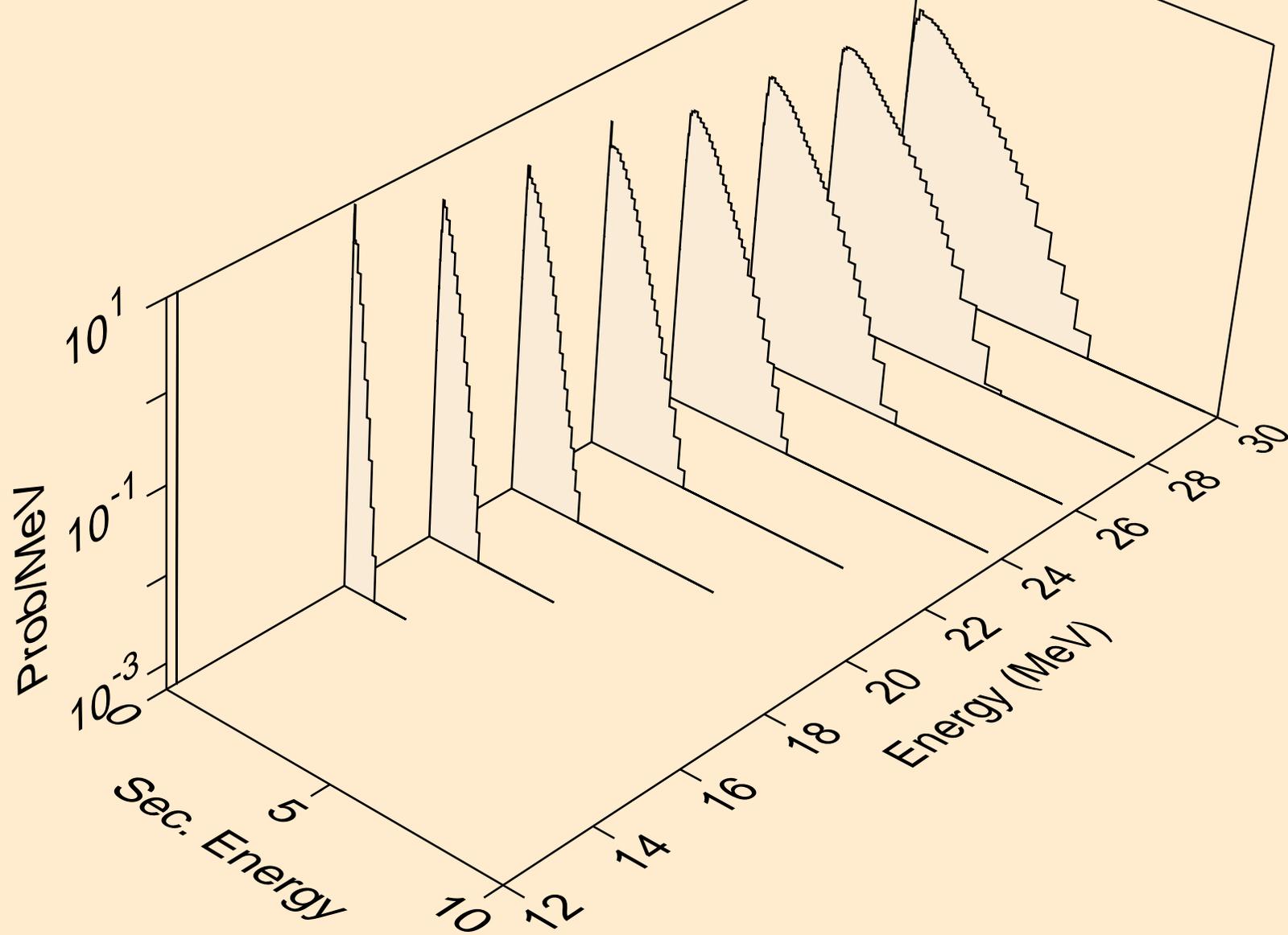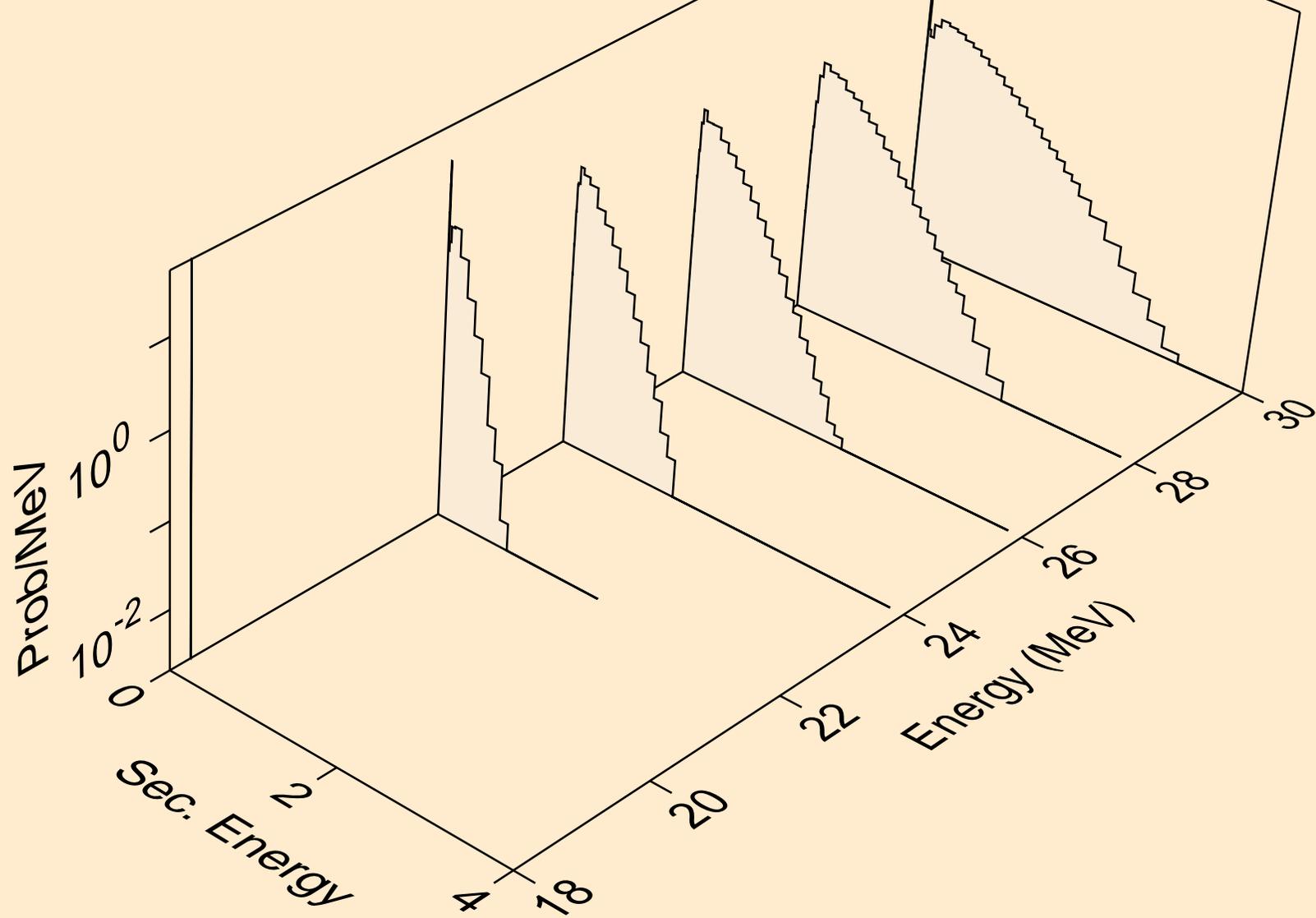GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)a

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)t

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
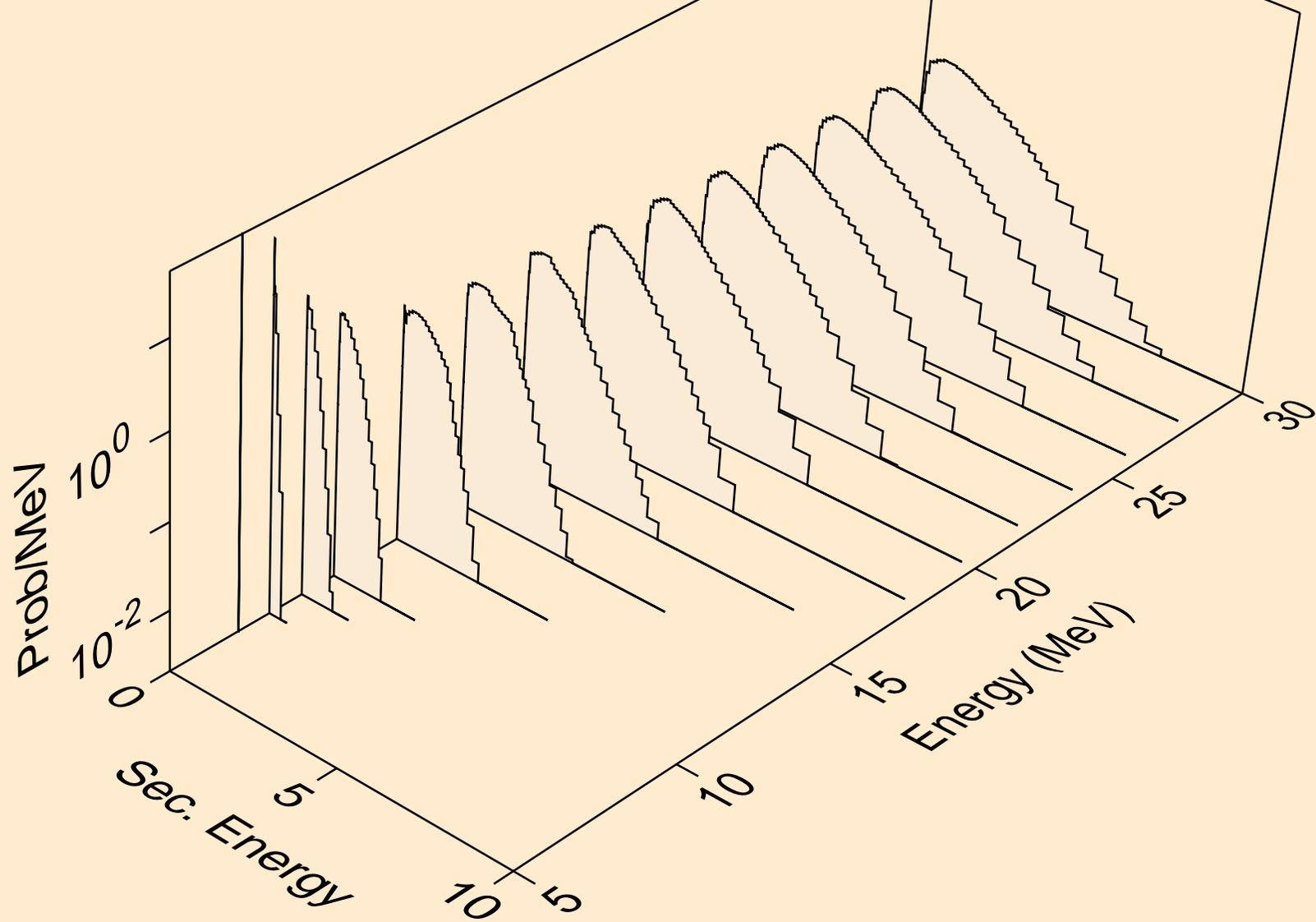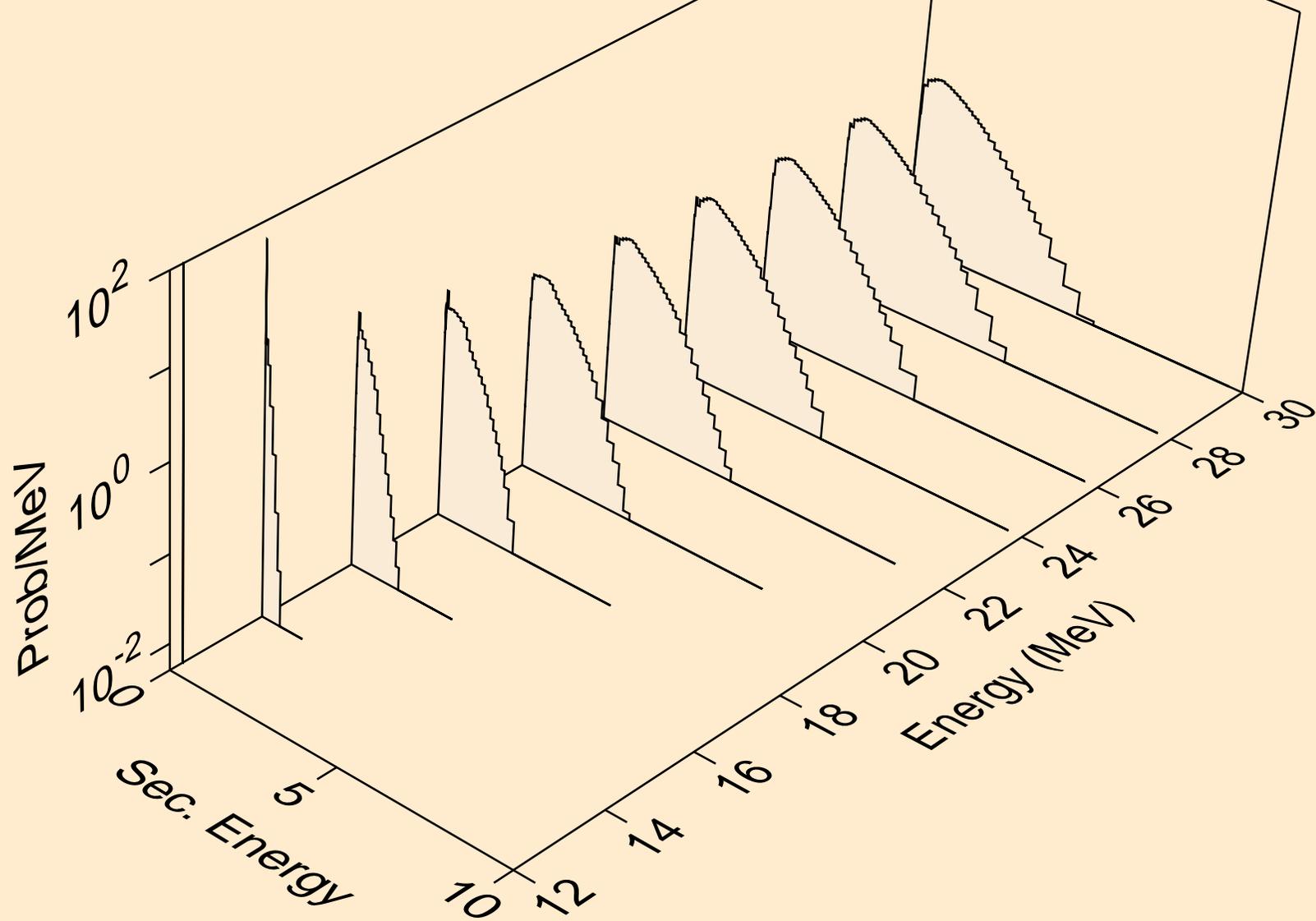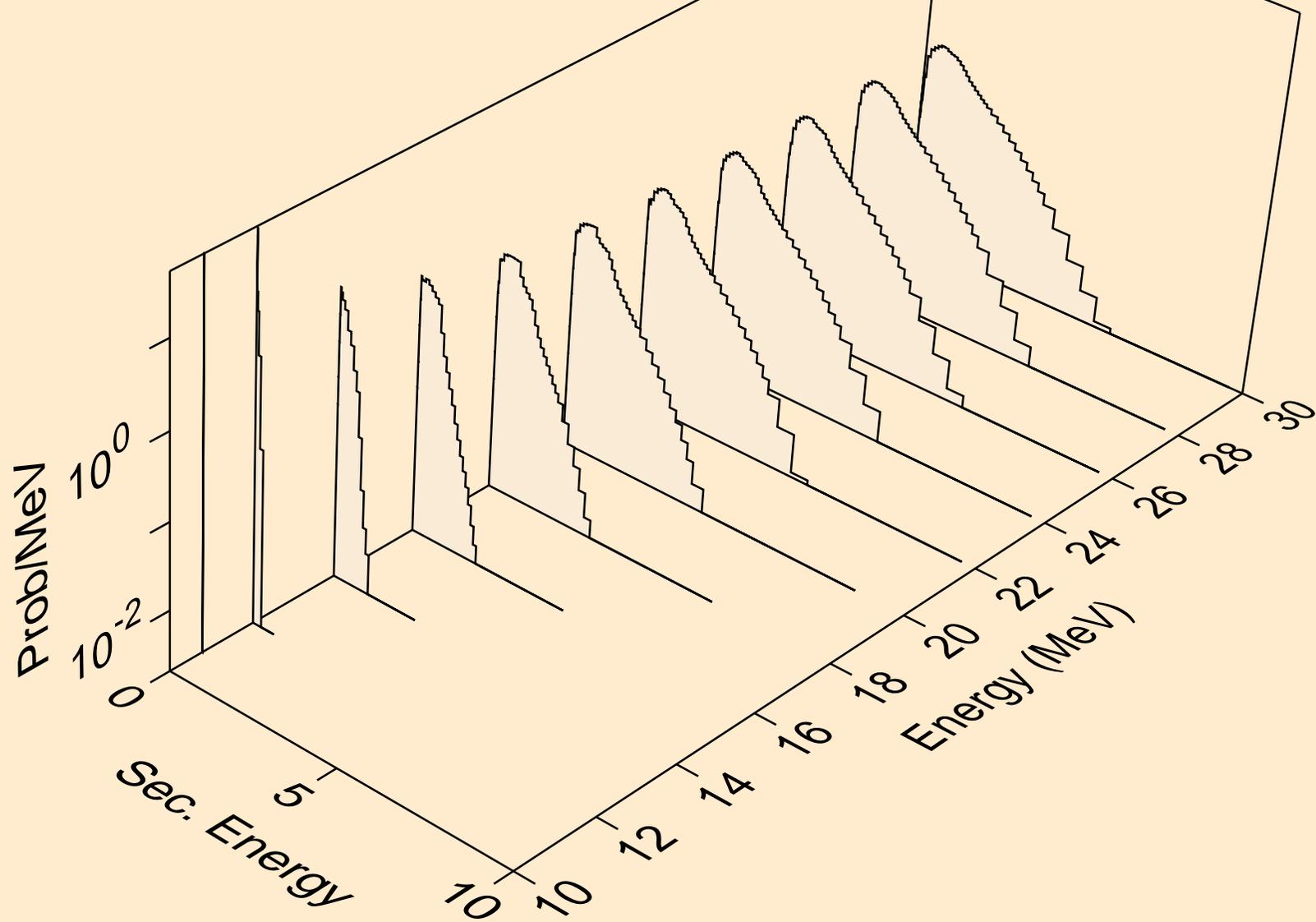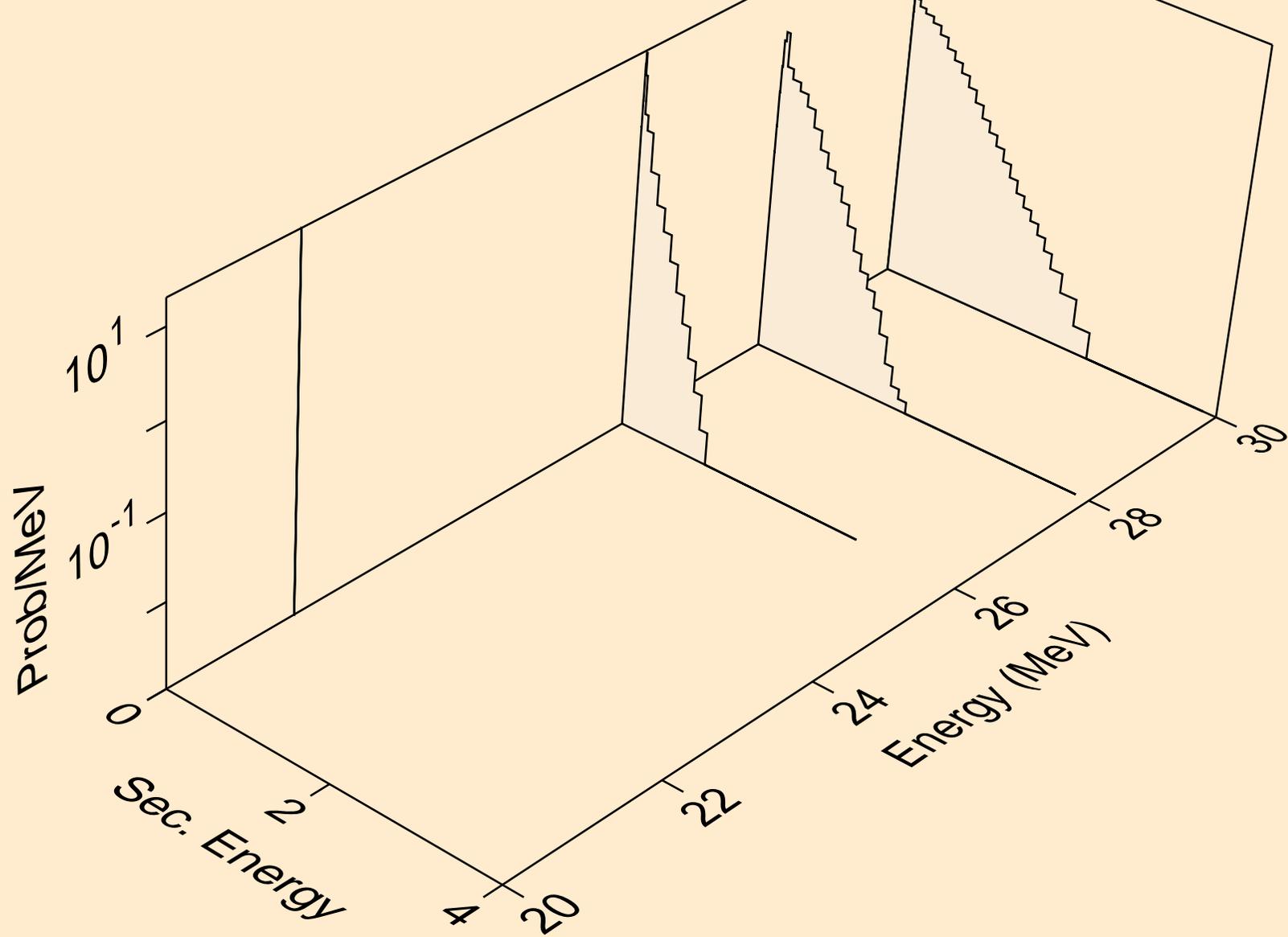neutrons from (a,n*)he3
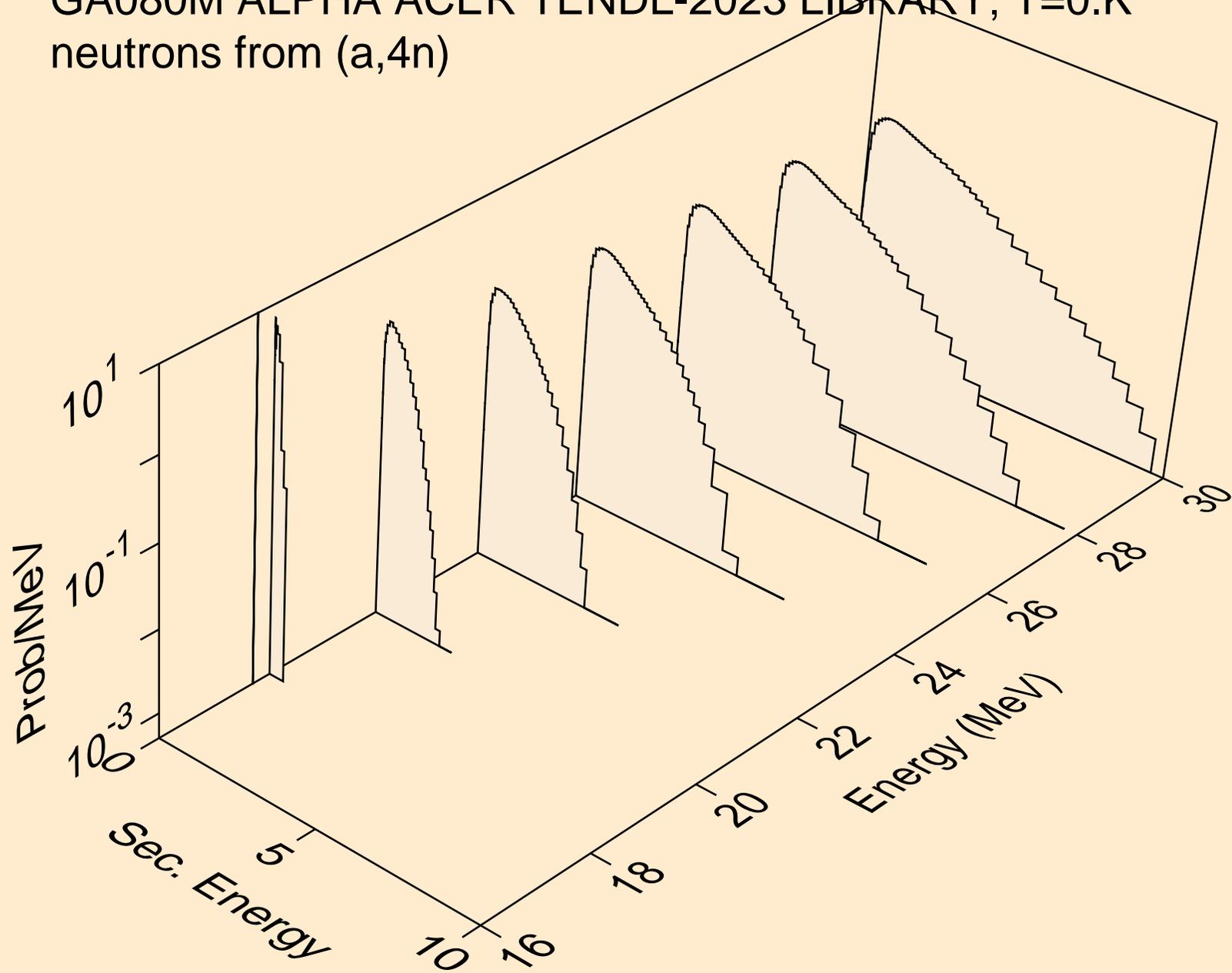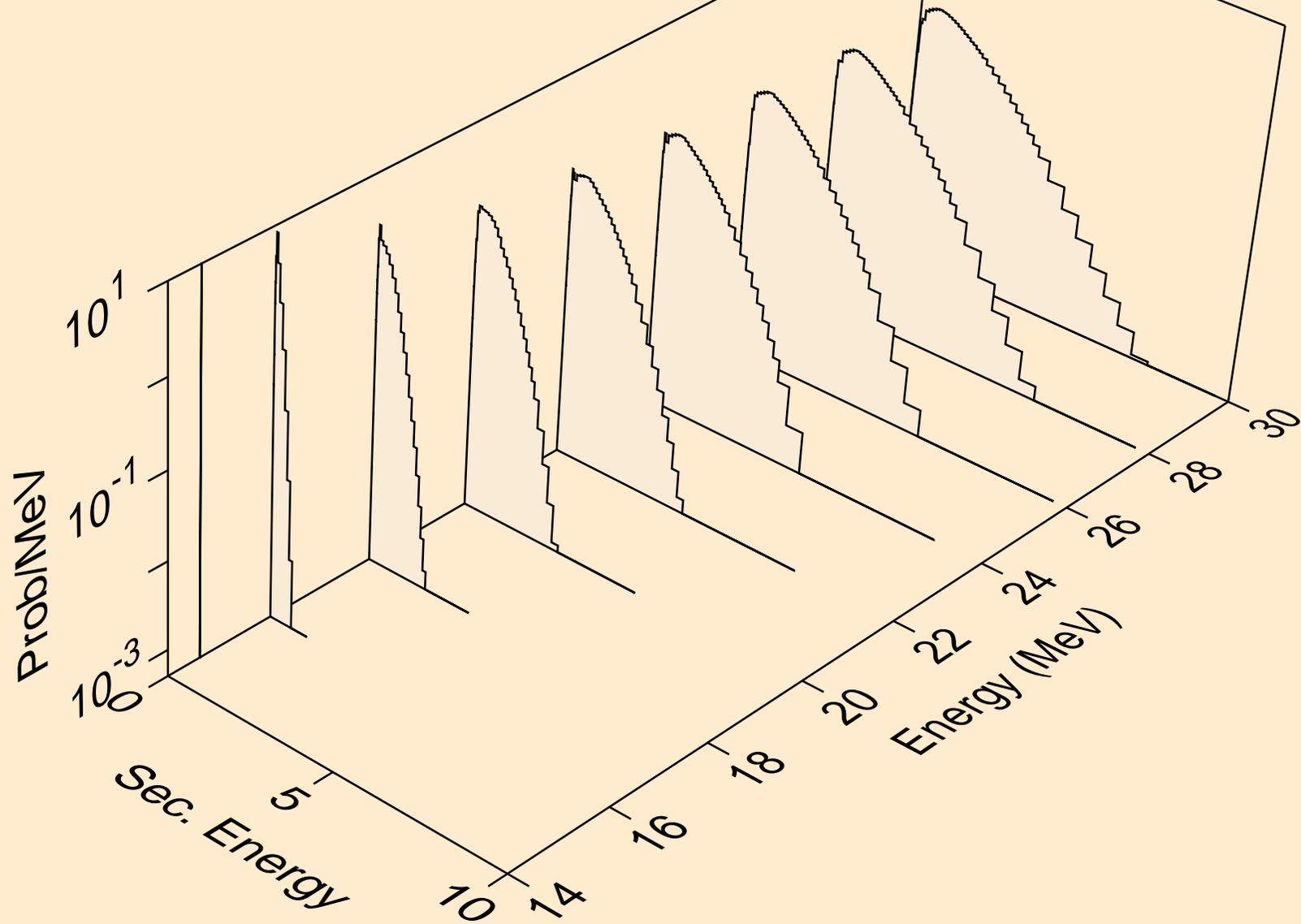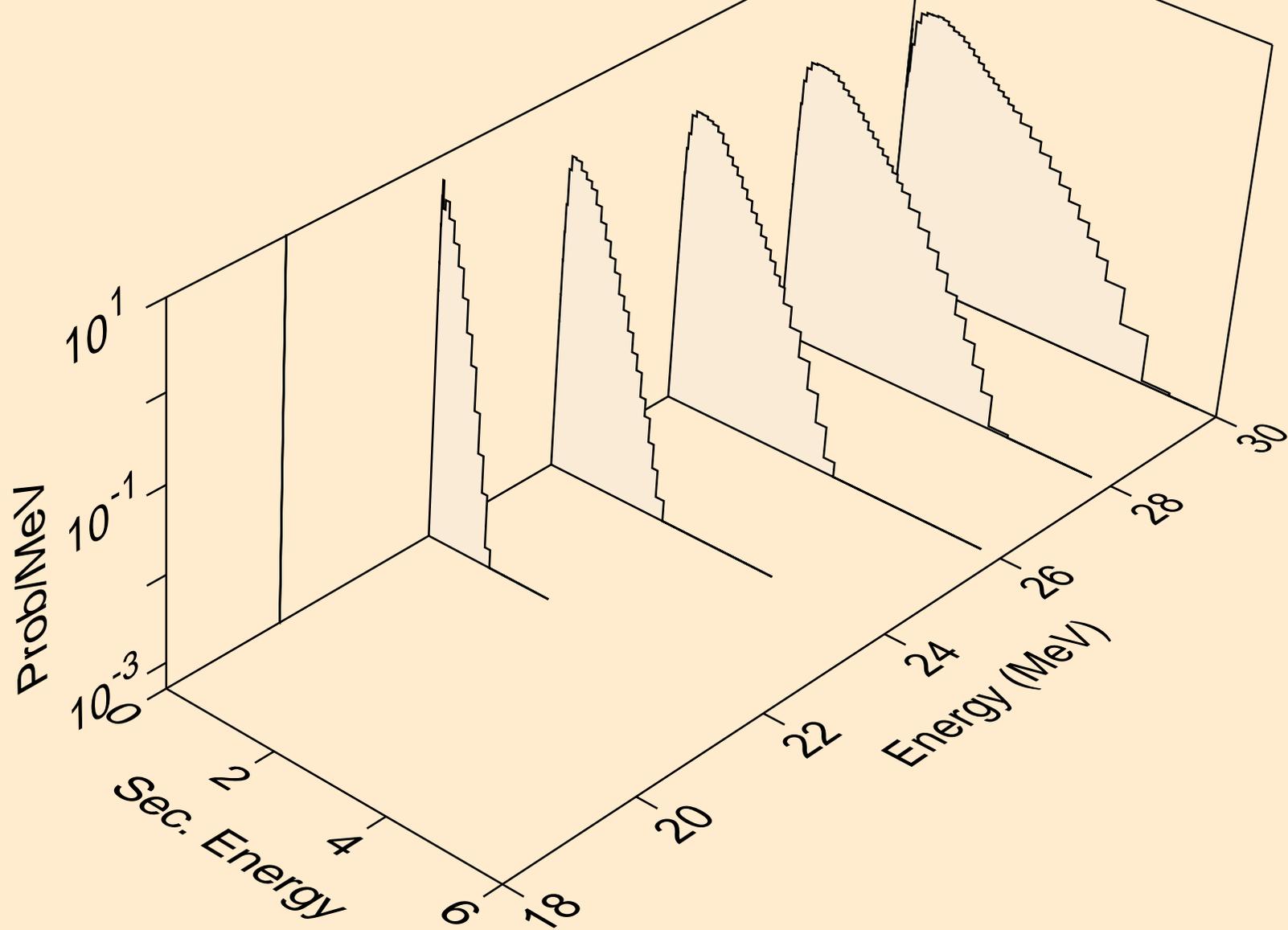
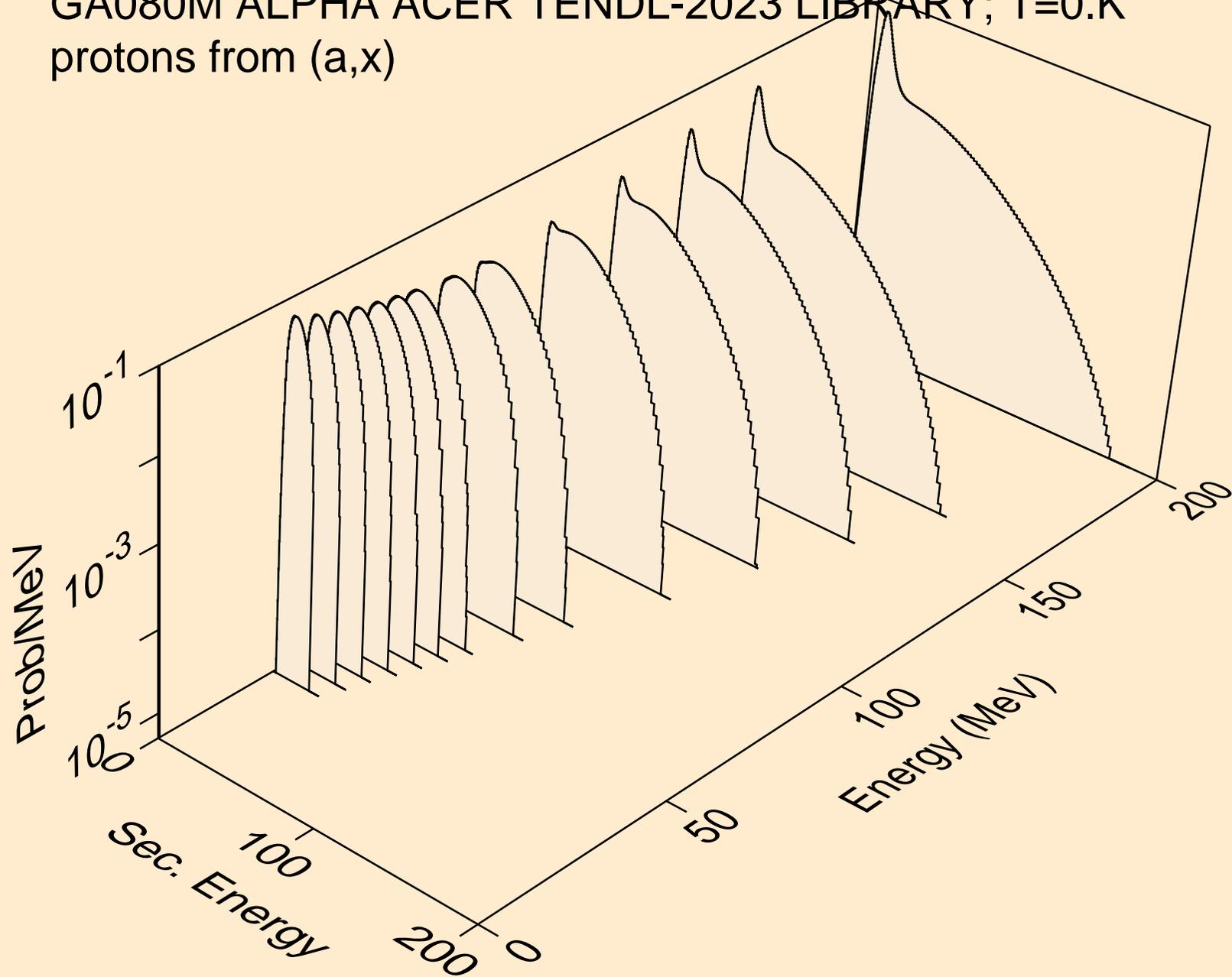GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,4n)

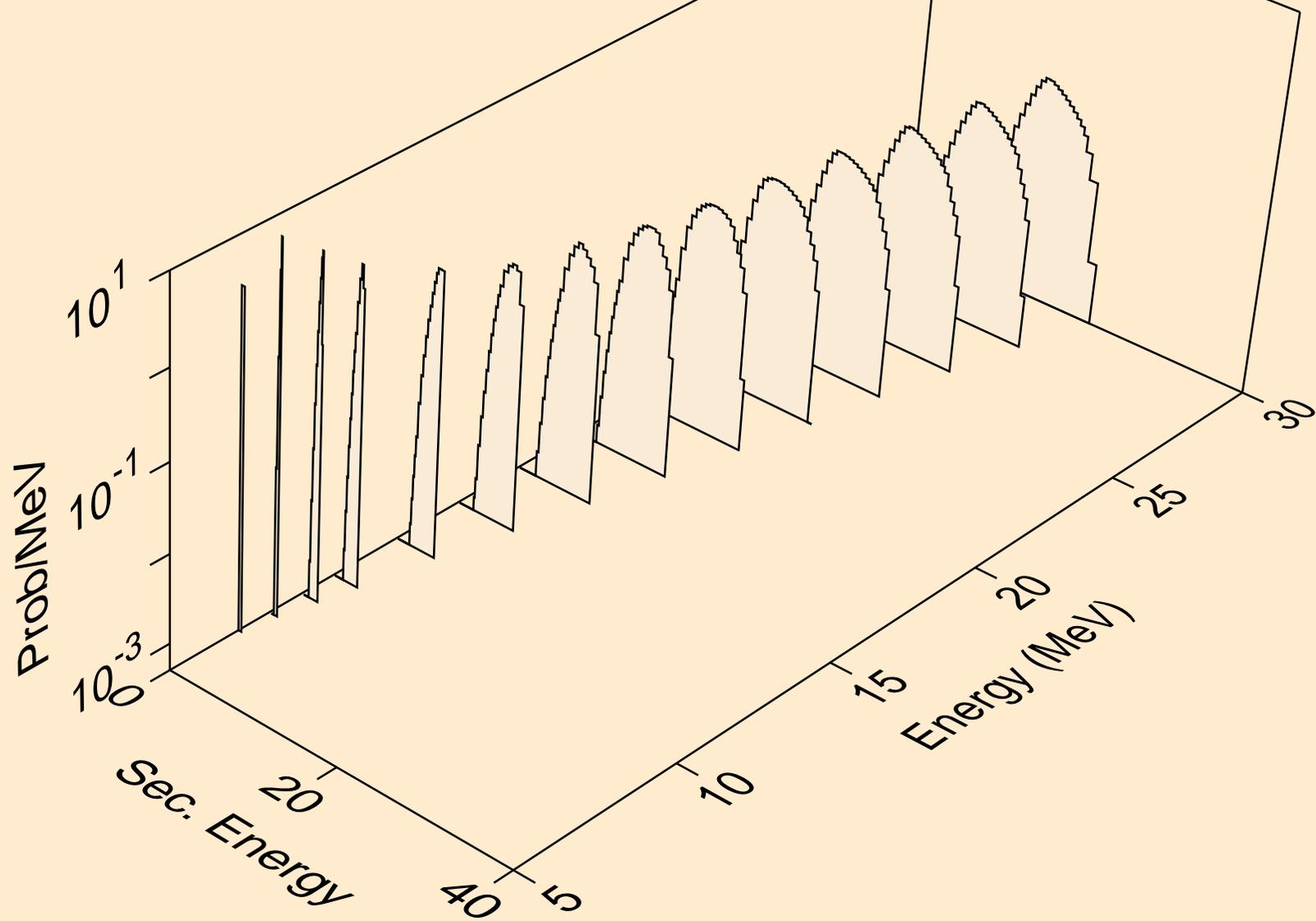GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2np)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
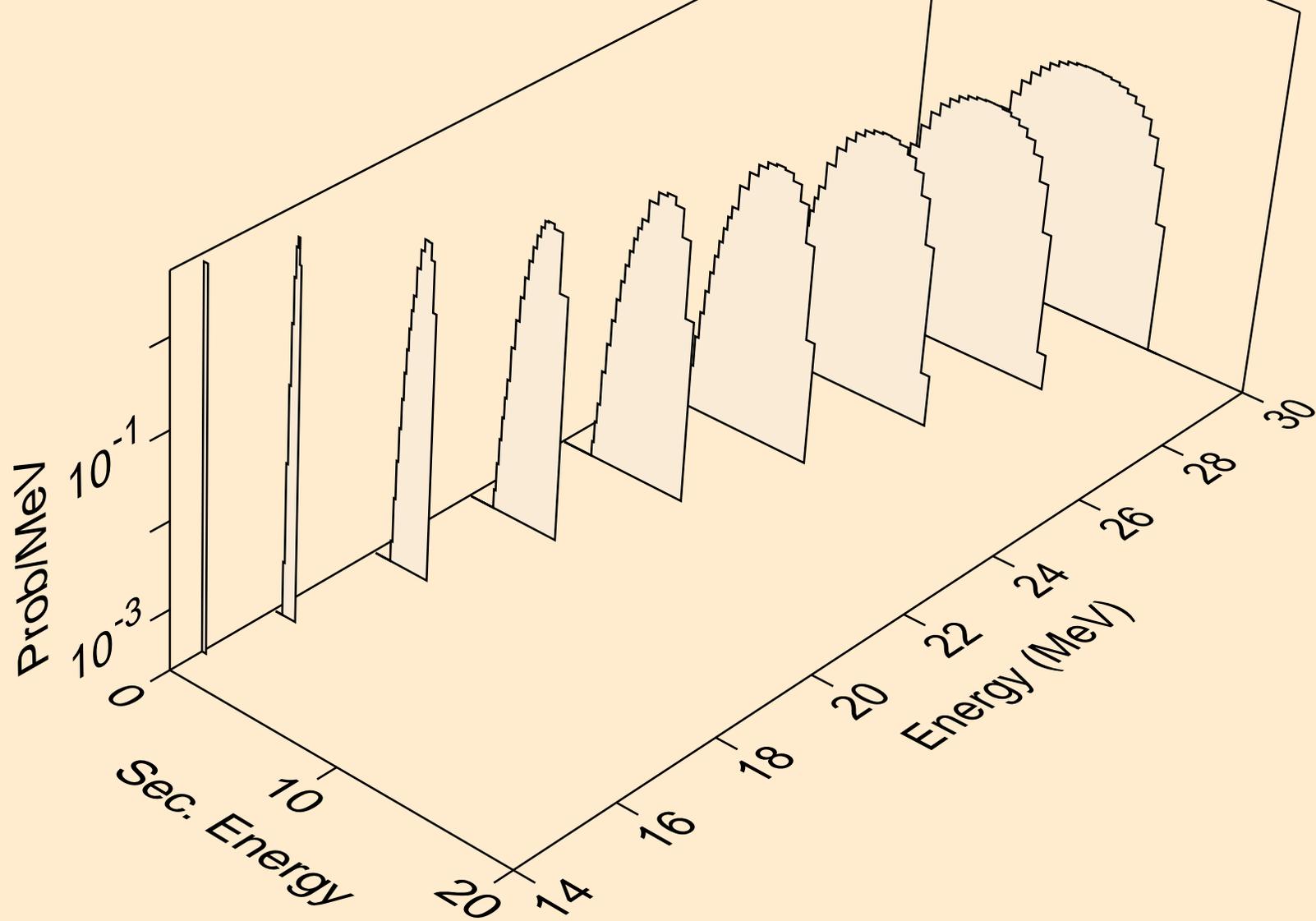neutrons from (a,3np)

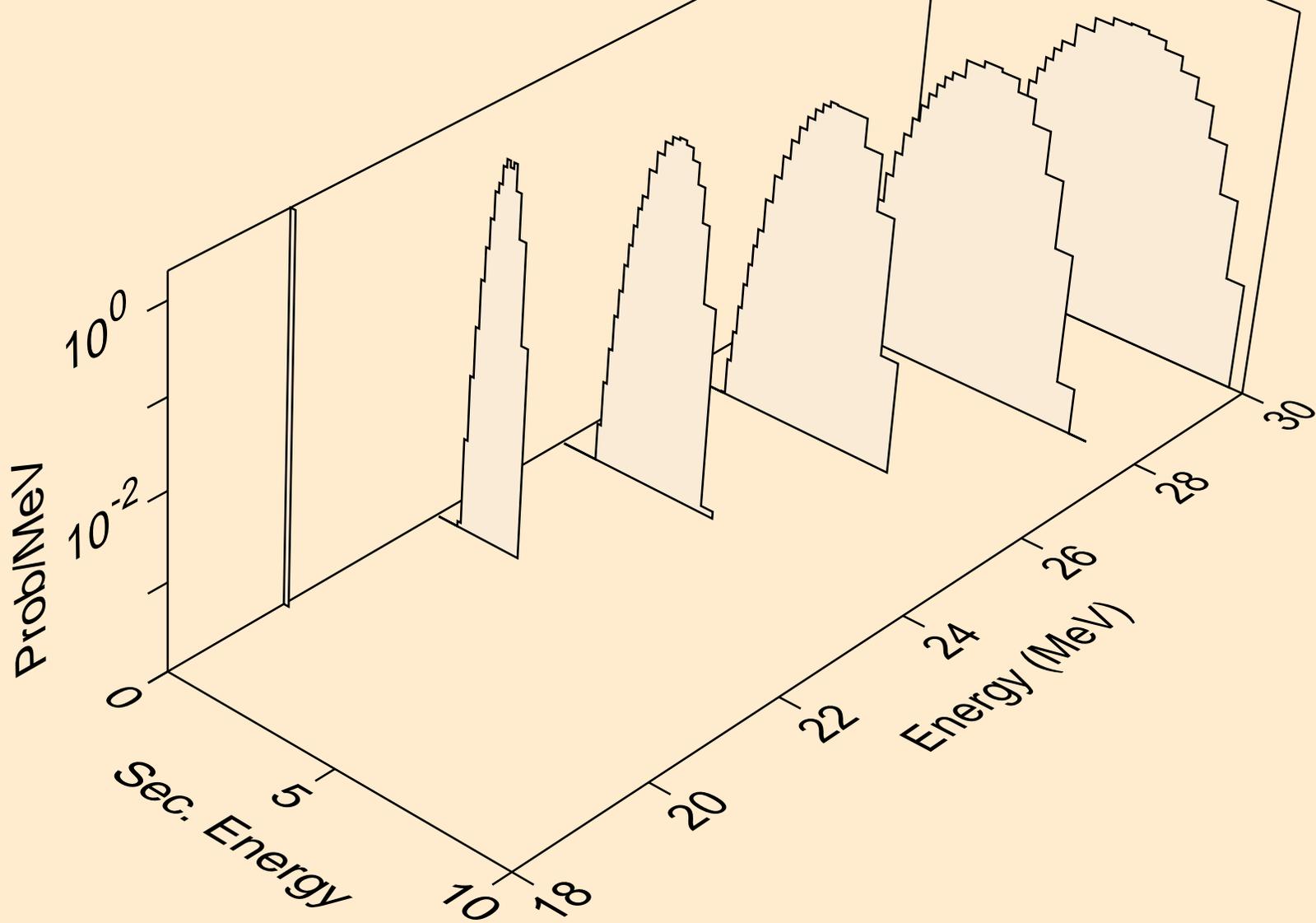GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,x)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,n*)p

Prob/MeV

10^1

10^{-1}

10^{-3}

10^0

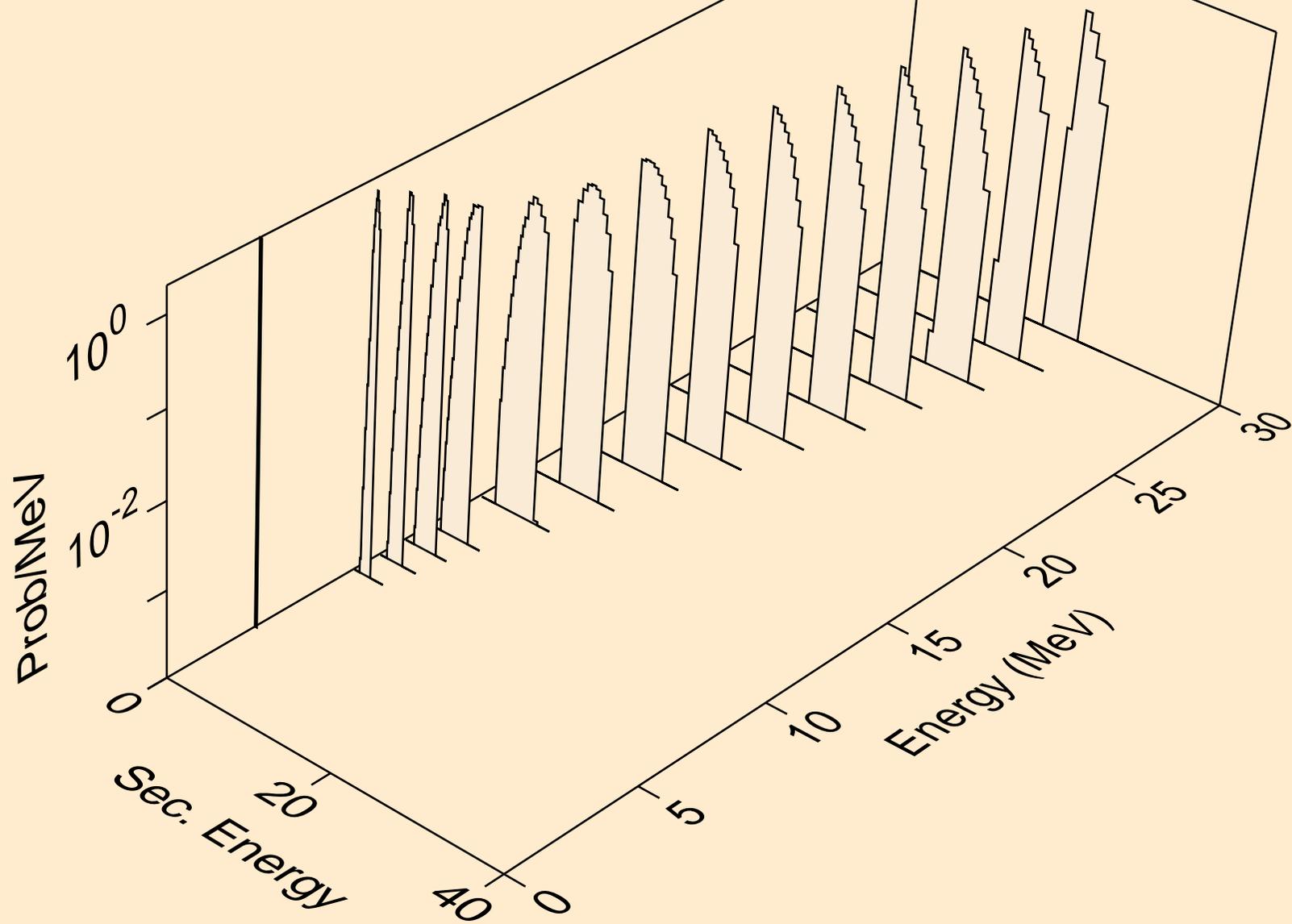Sec. Energy

20

40

5

10

15

20

25

30

Energy (MeV)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
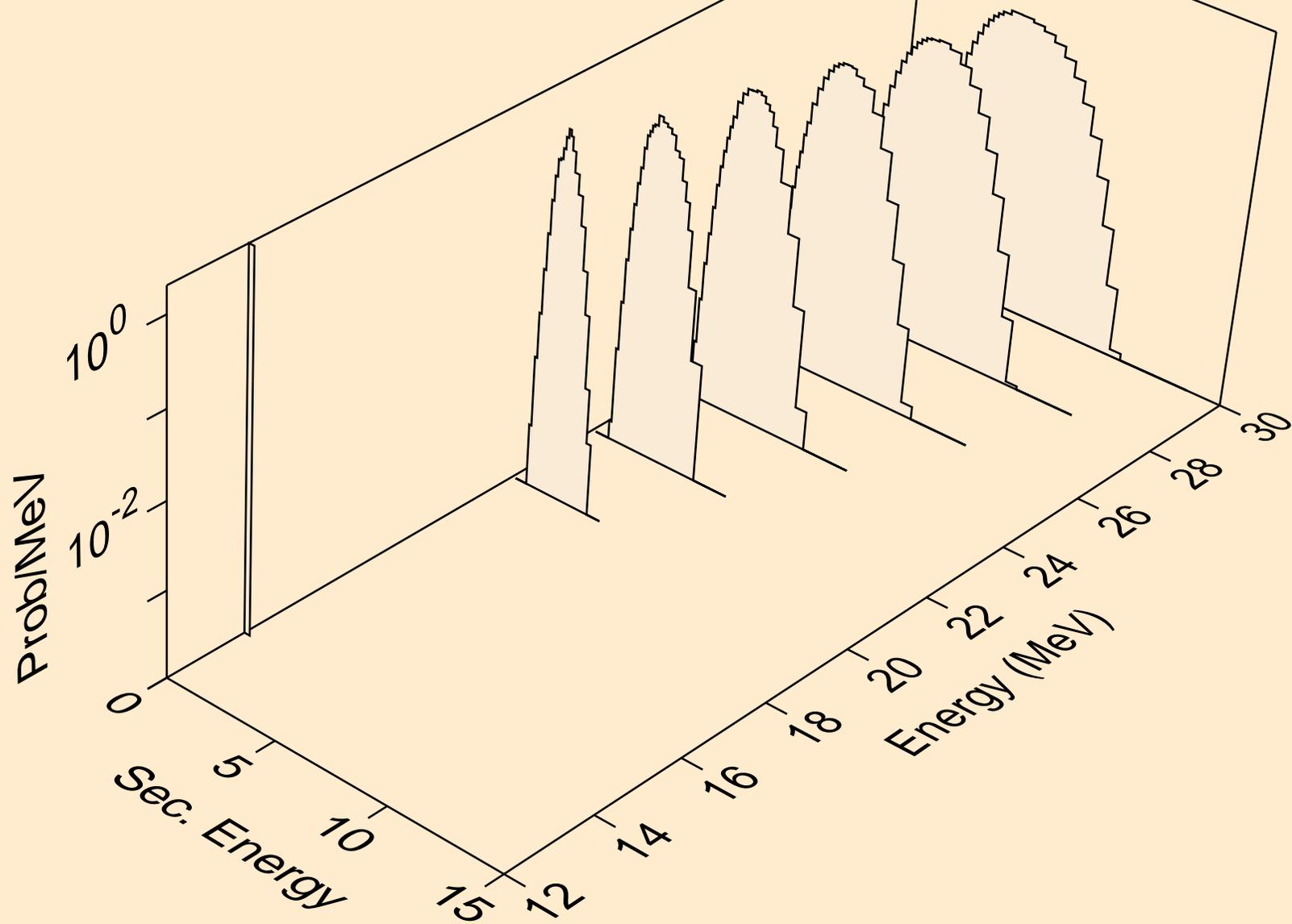protons from (a,2np)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
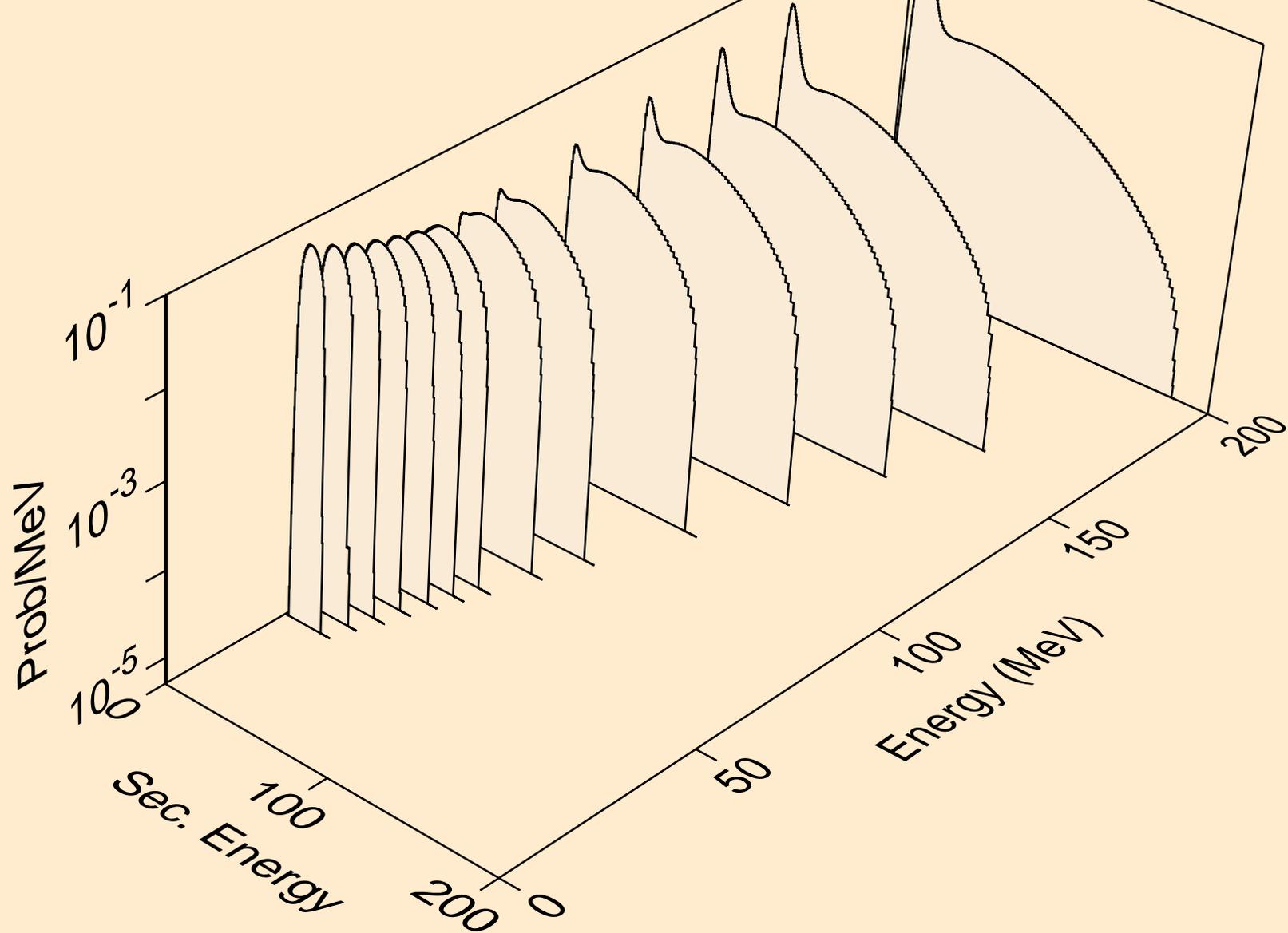protons from (a,3np)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
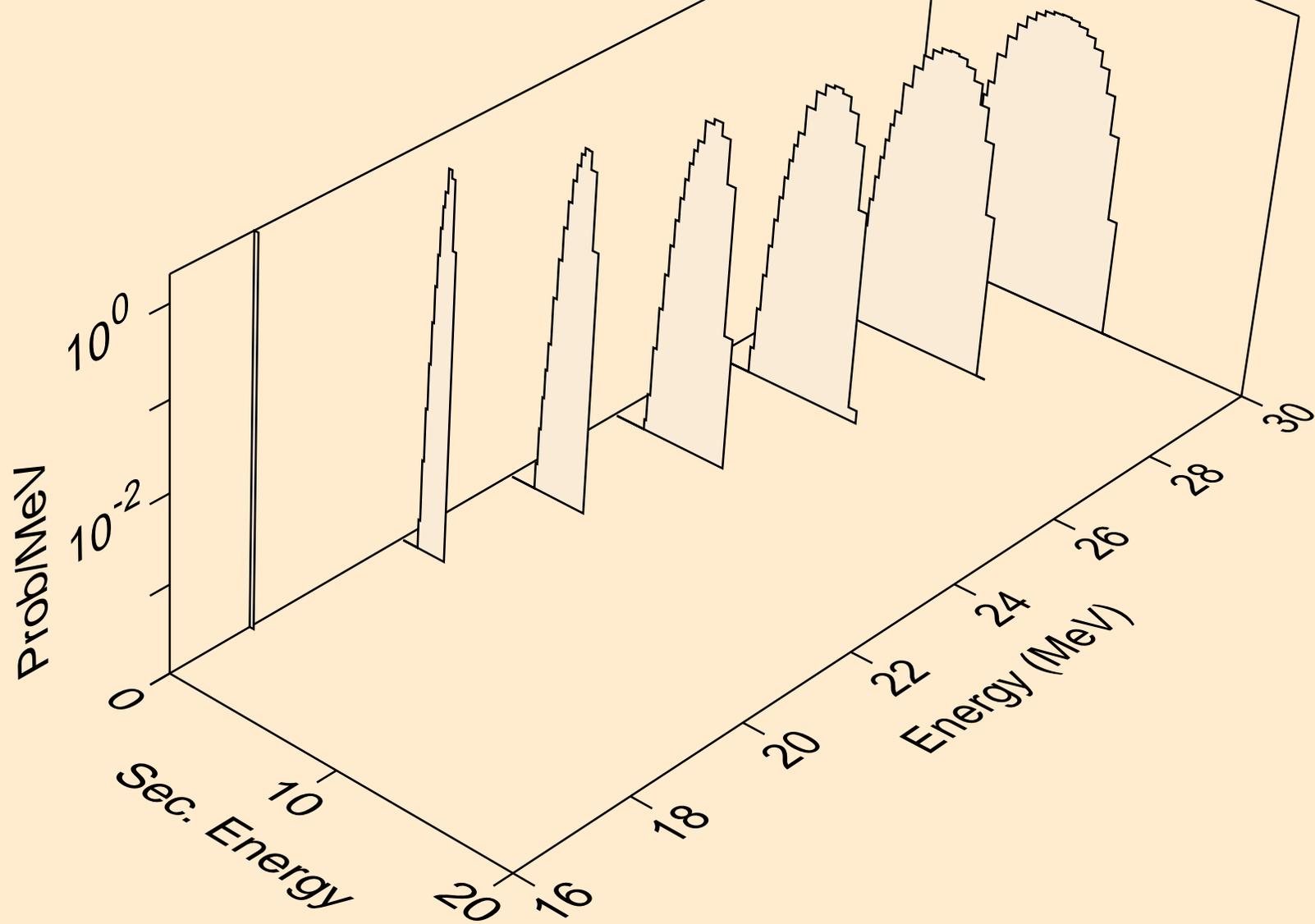protons from (a,p)

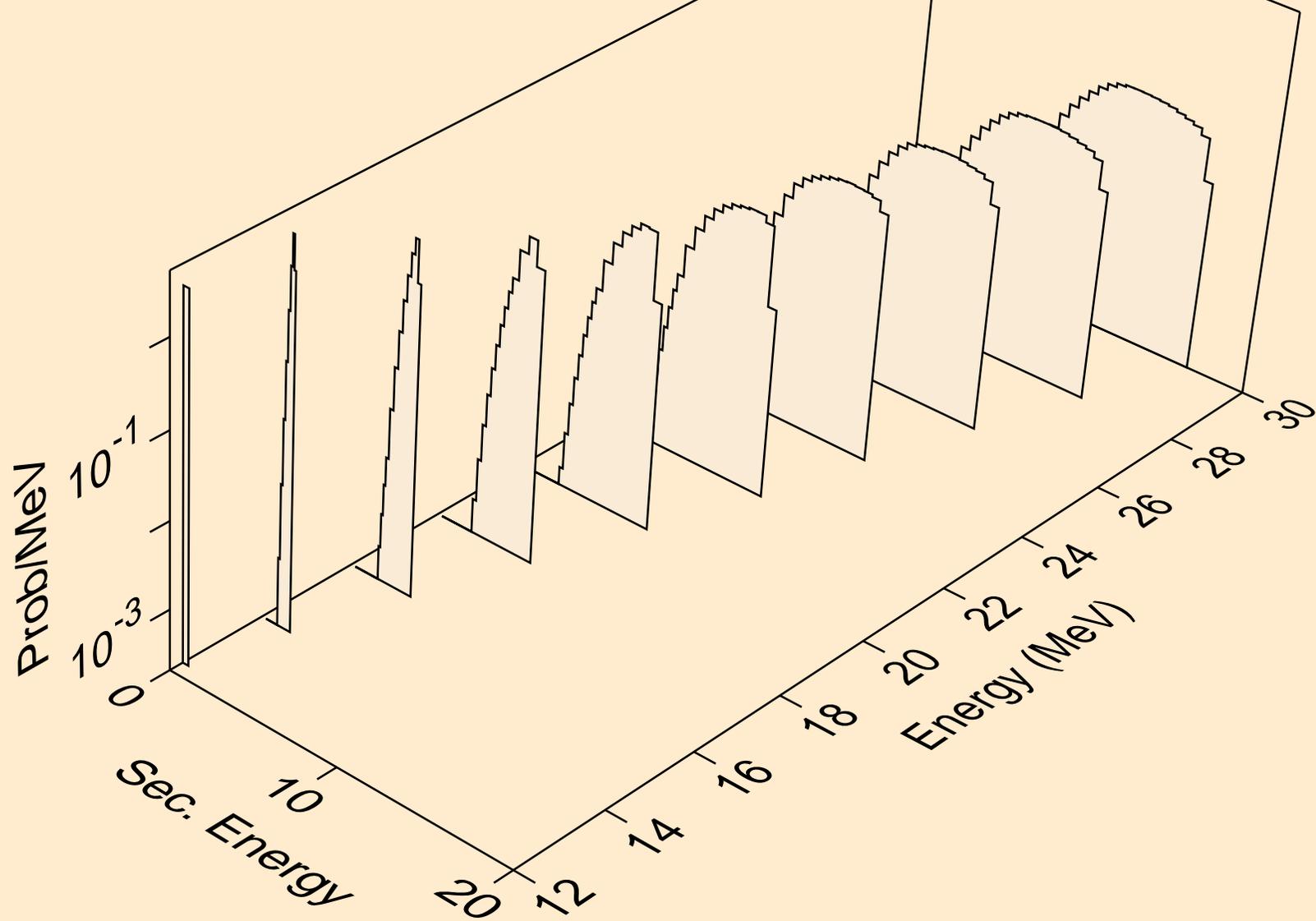GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,pa)

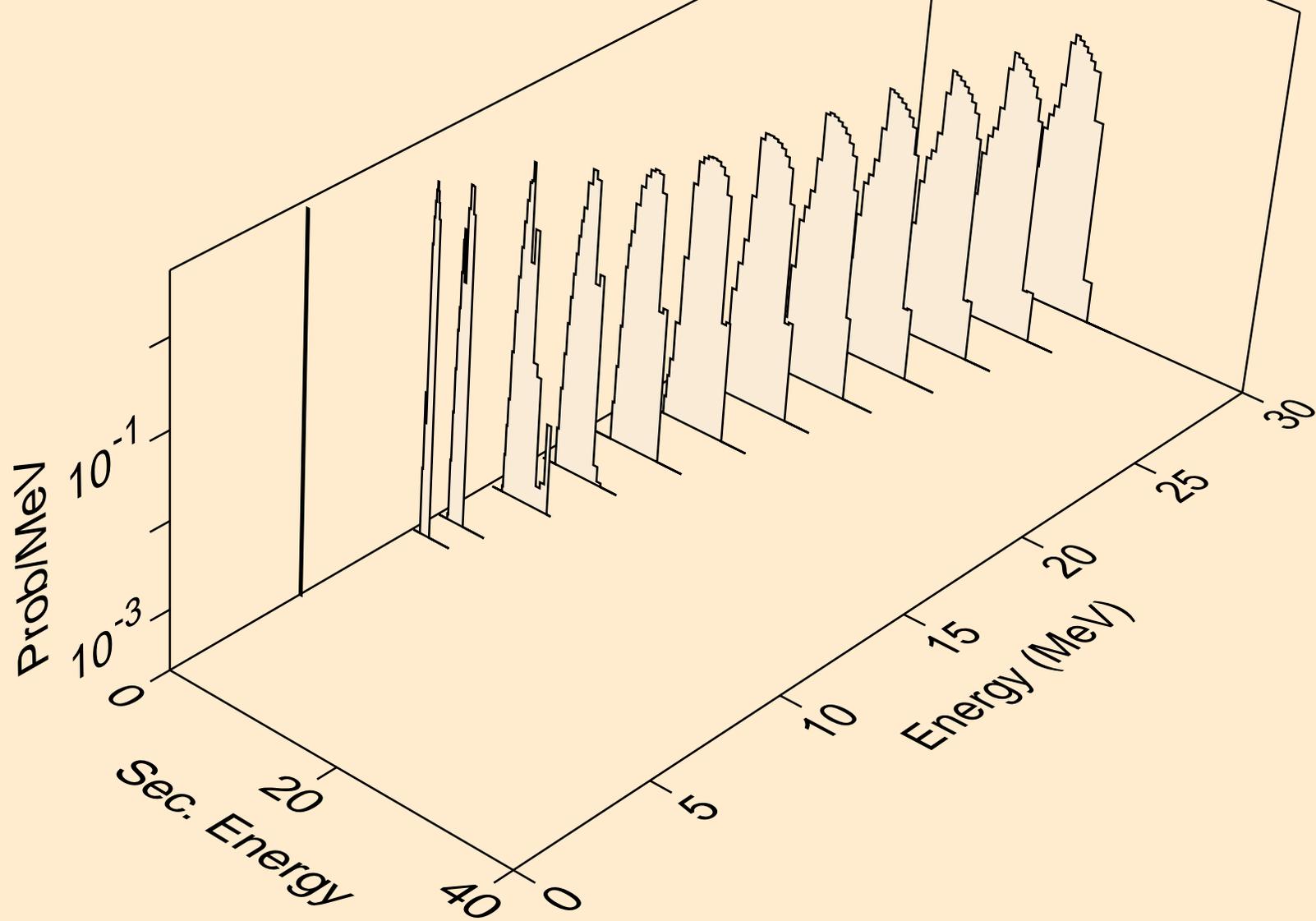GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
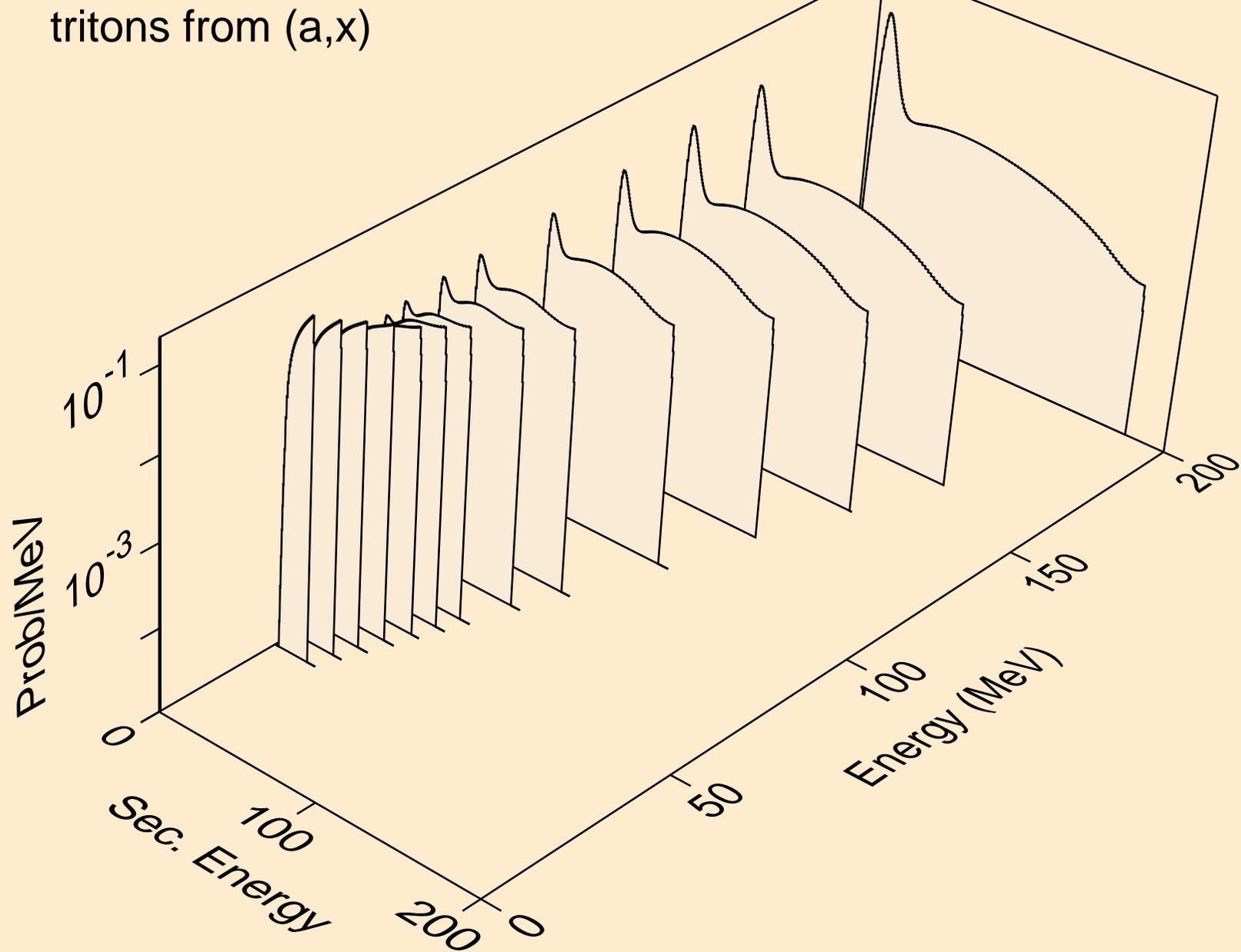deuterons from (a,2nd)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,n*)d

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy

10

20

12

14

16

18

20

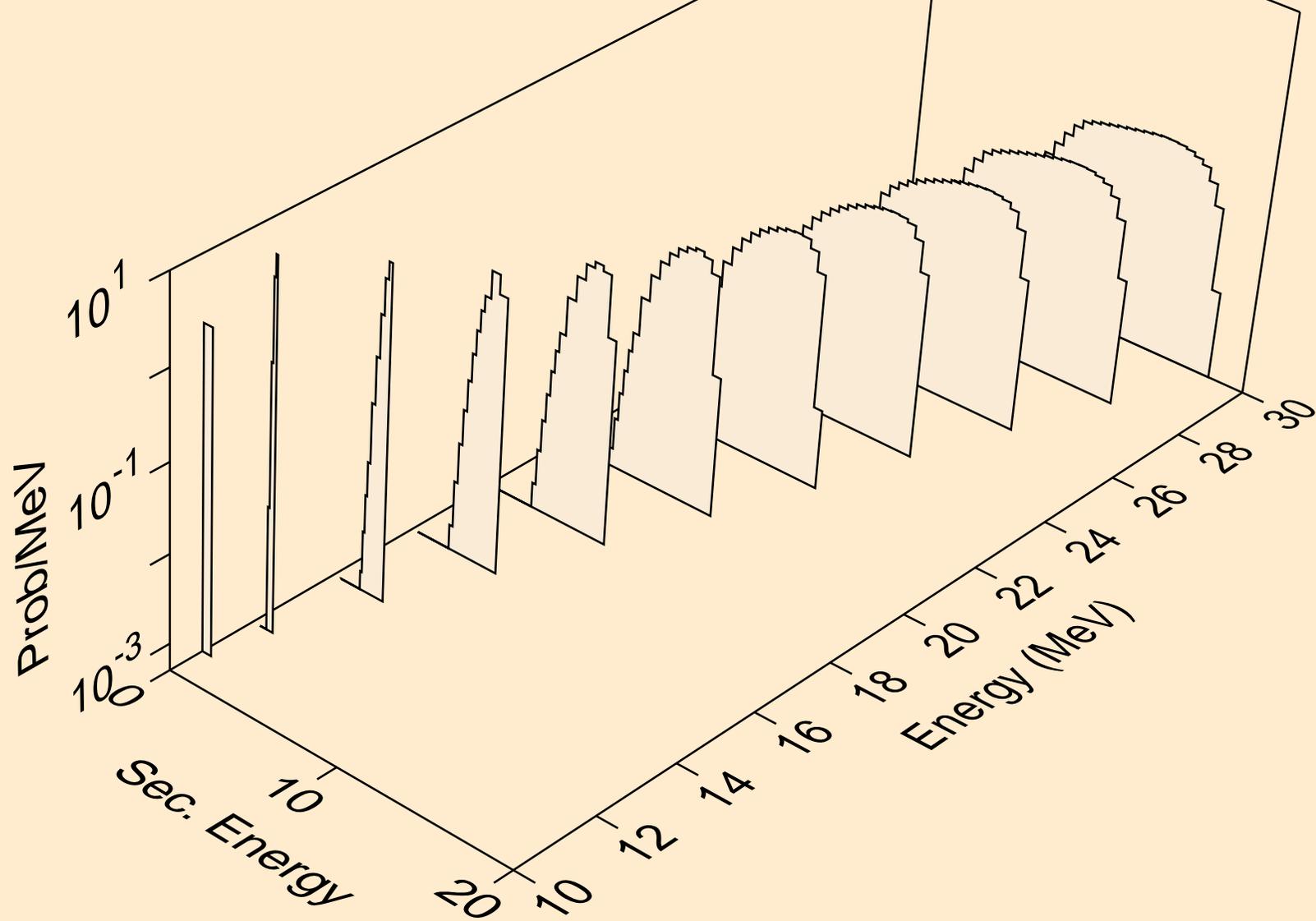22

24

26

28

30

Energy (MeV)

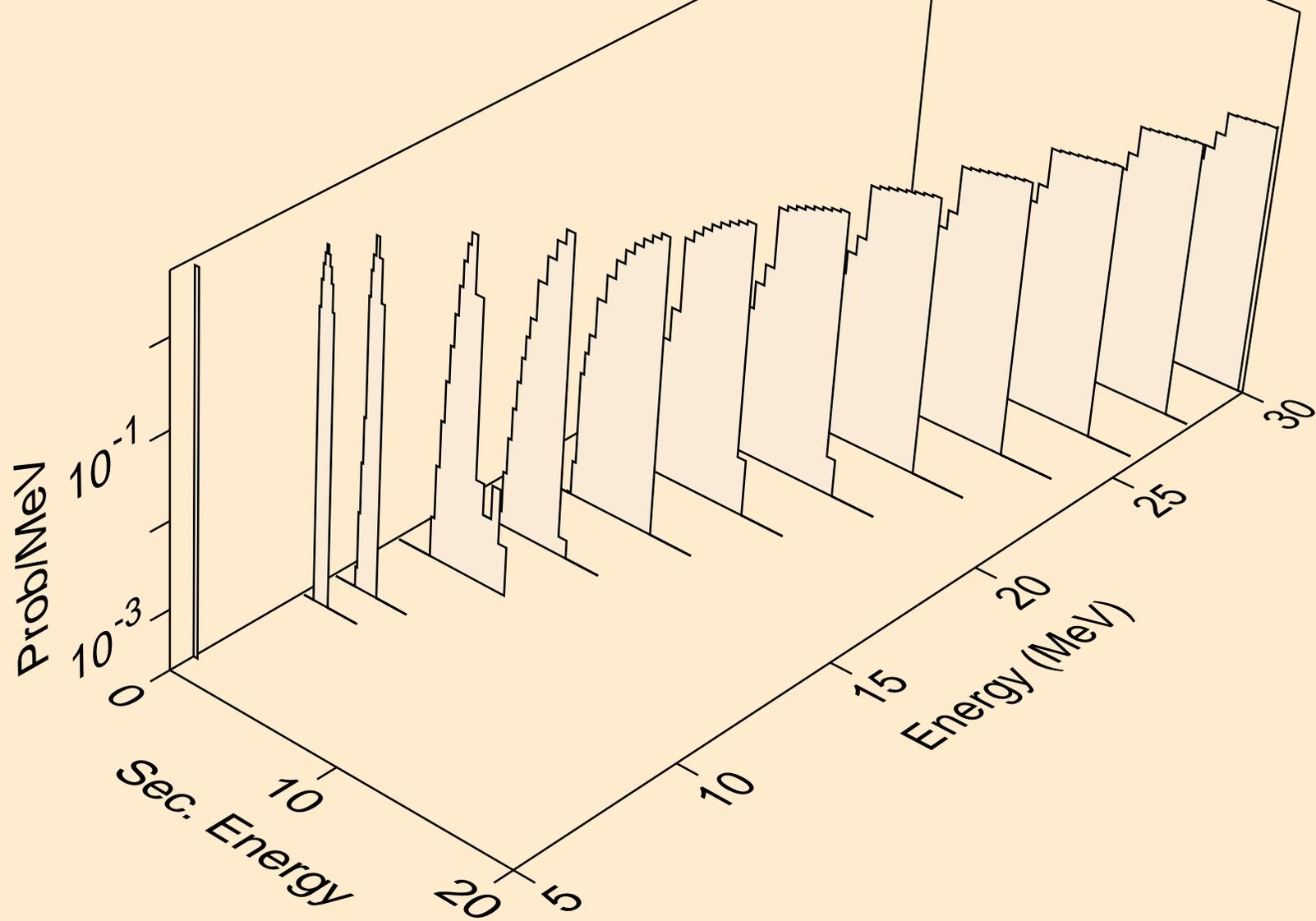GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)

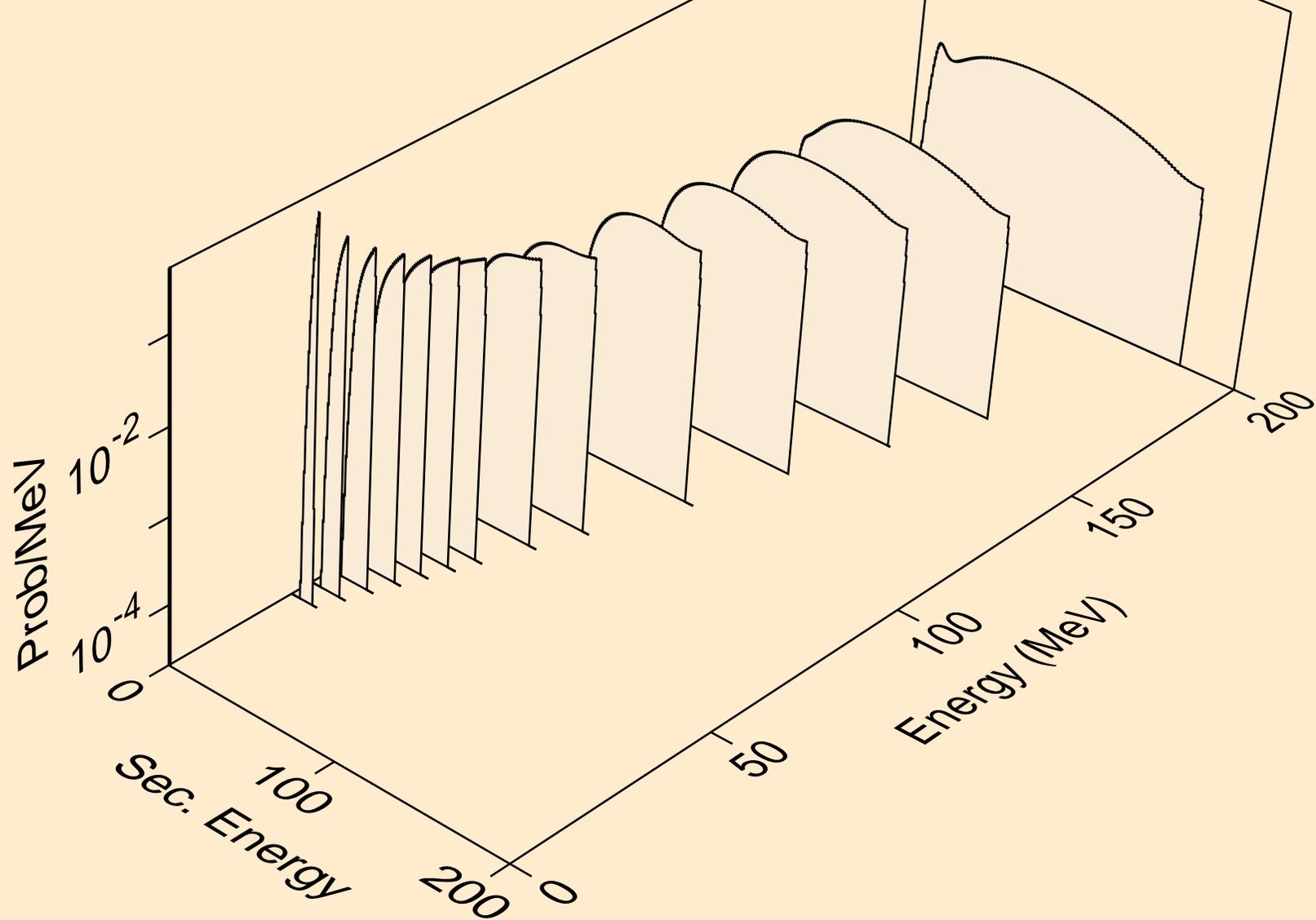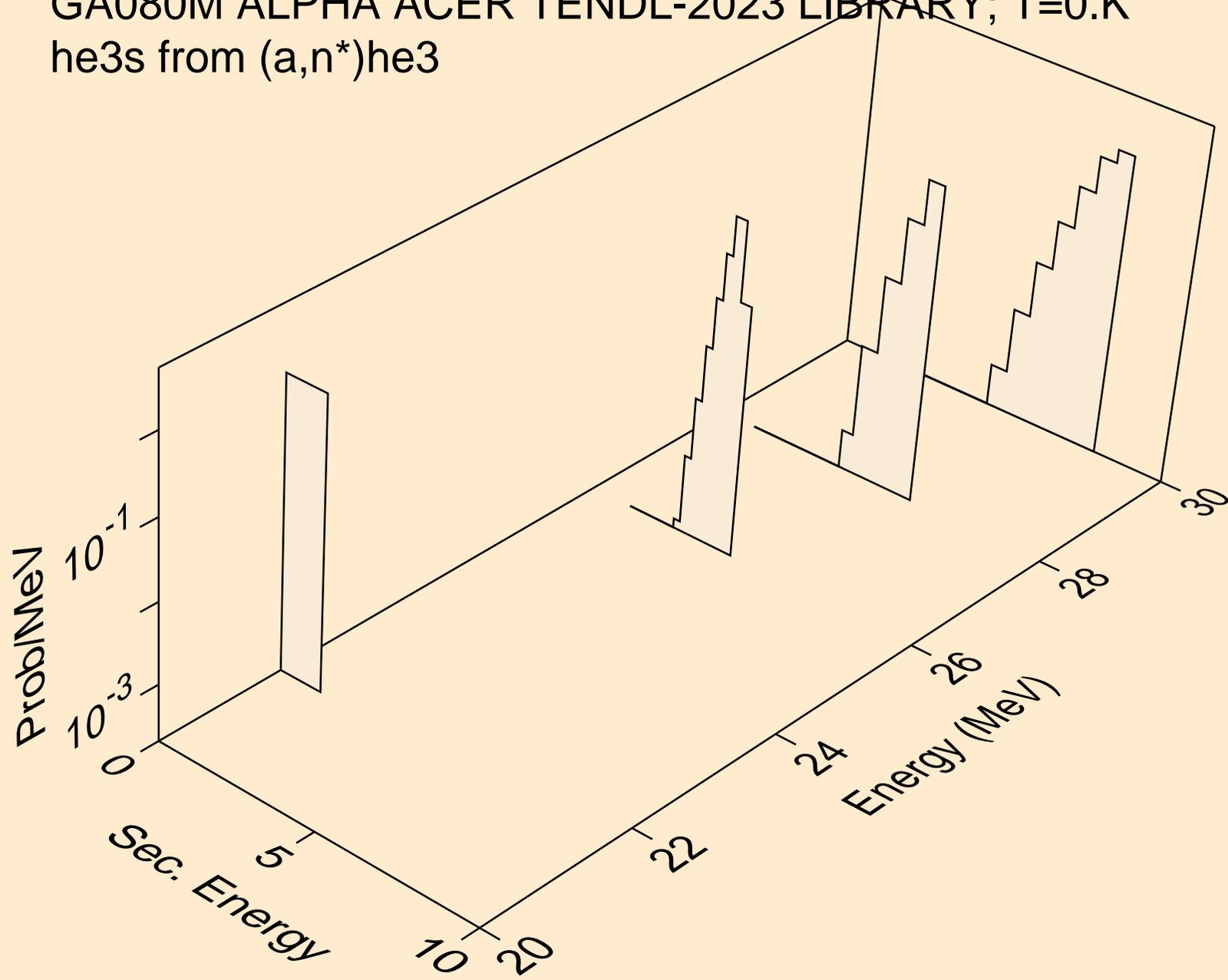GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,n*)t

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)

ProbMeV

Sec. Energy

Energy (MeV)

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,n*)he3

GA080M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)