SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total (black)
- absorption (blue)
- elastic (green)
- gamma production (red)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production
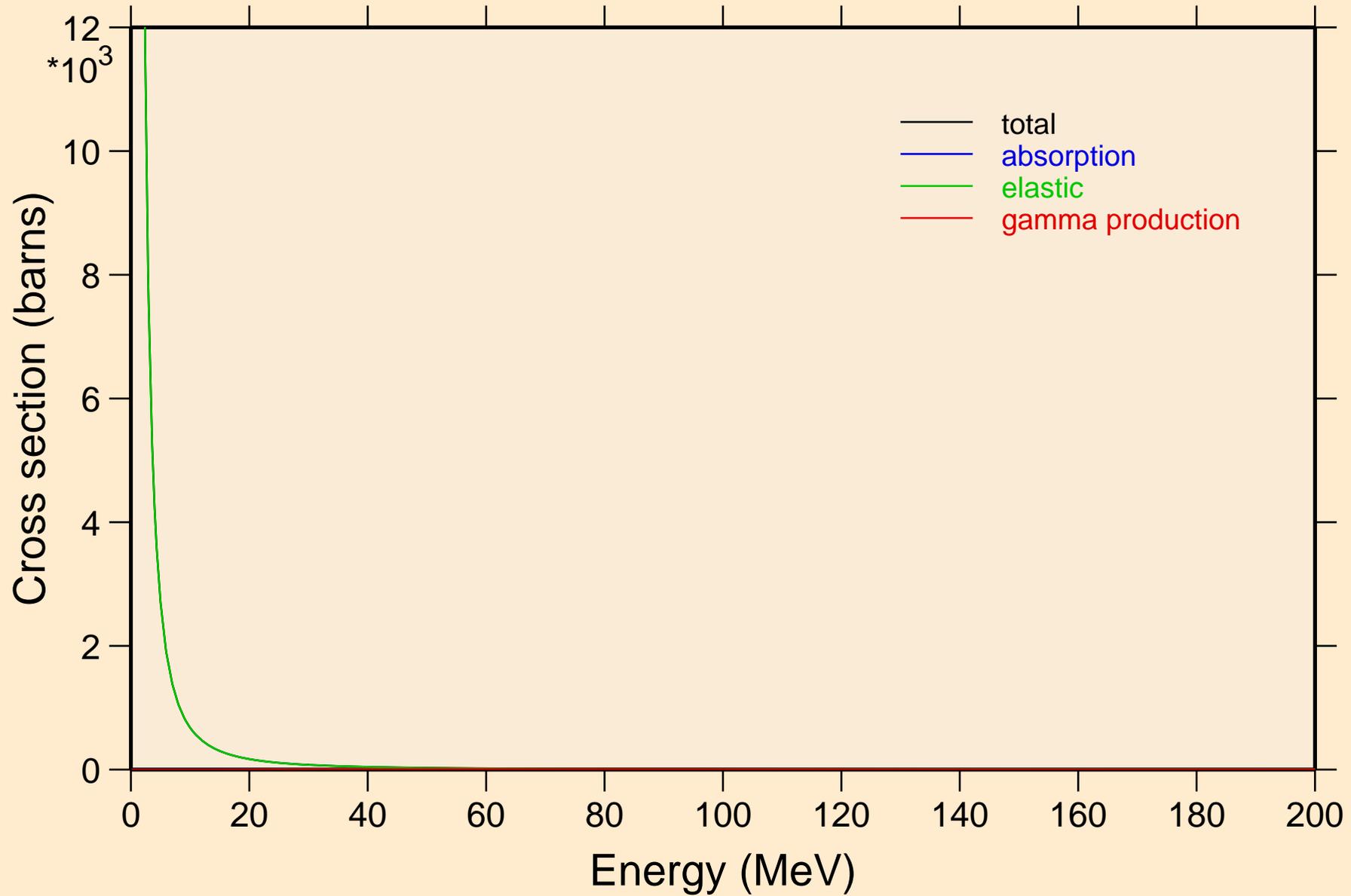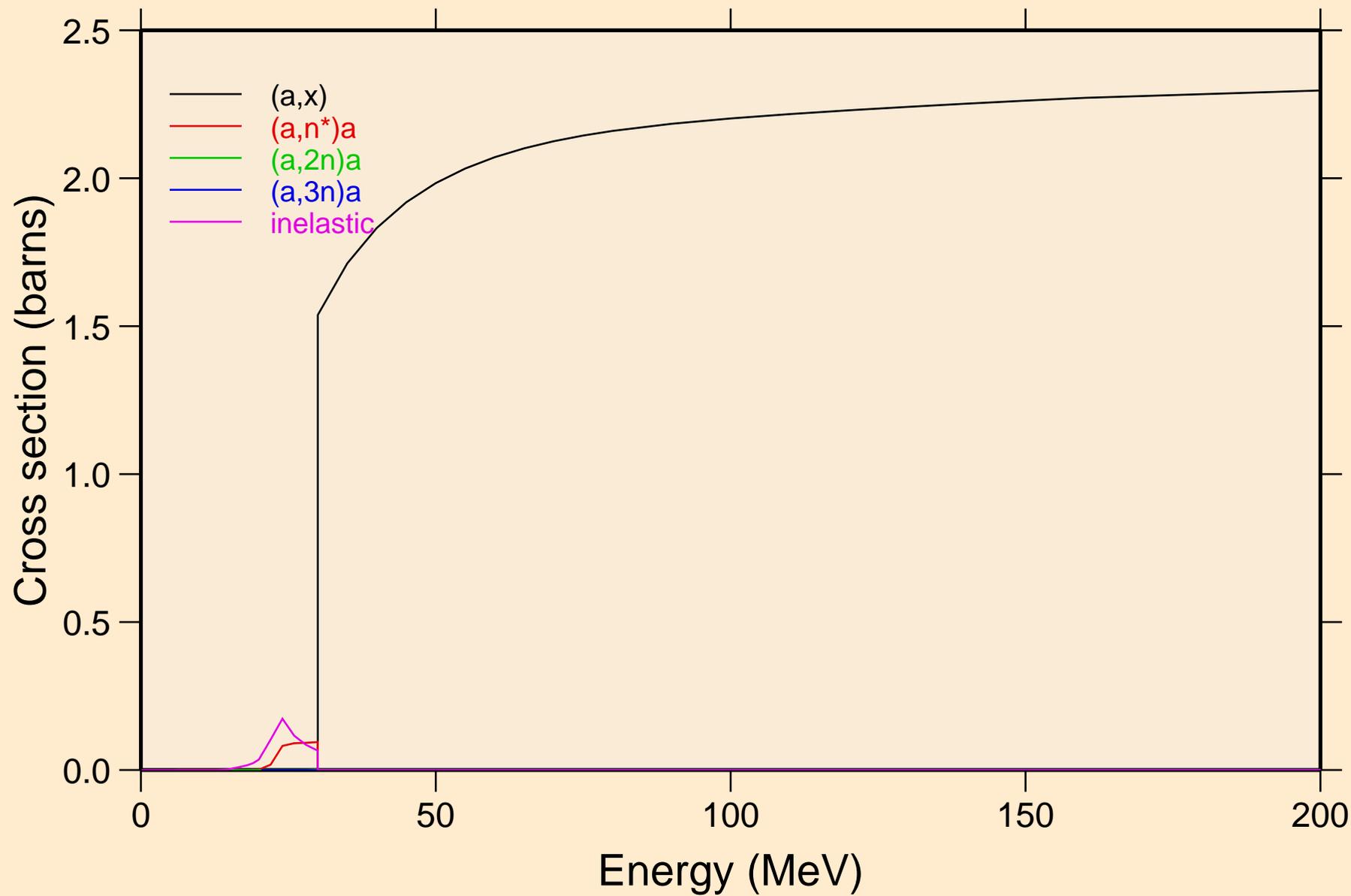
SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Legend:
- (a,x)
- (a,n*)a
- (a,2n)a
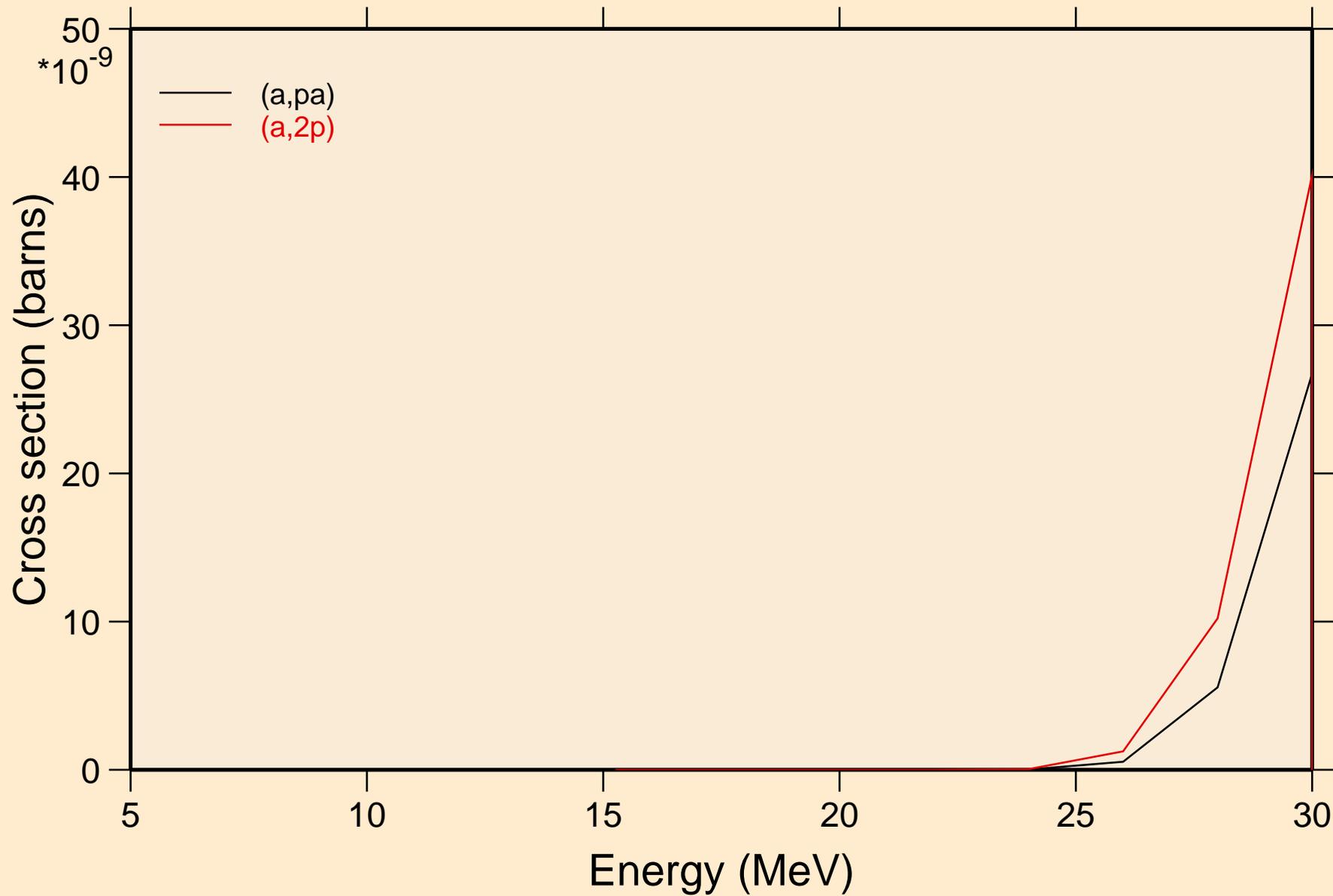- (a,3n)a
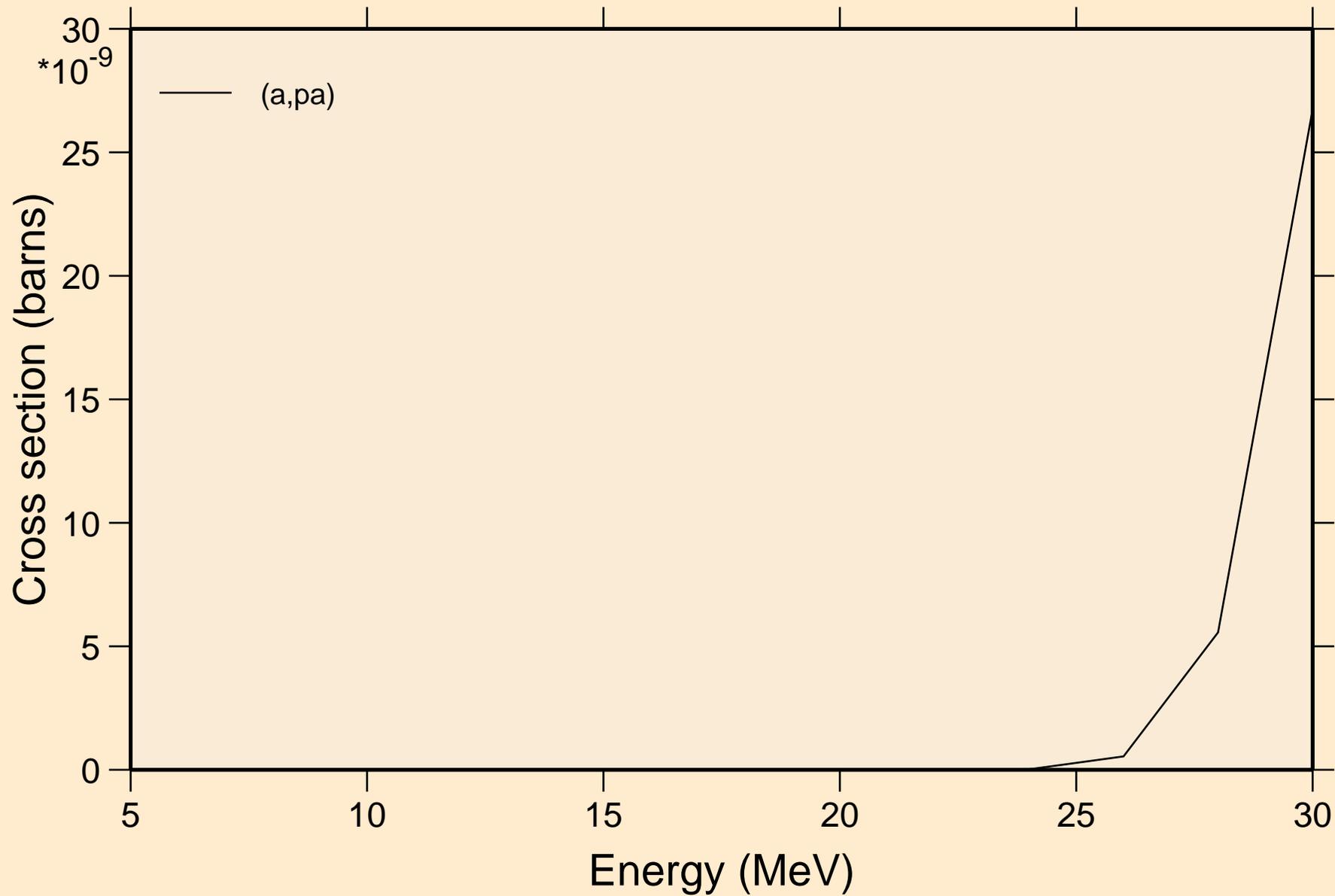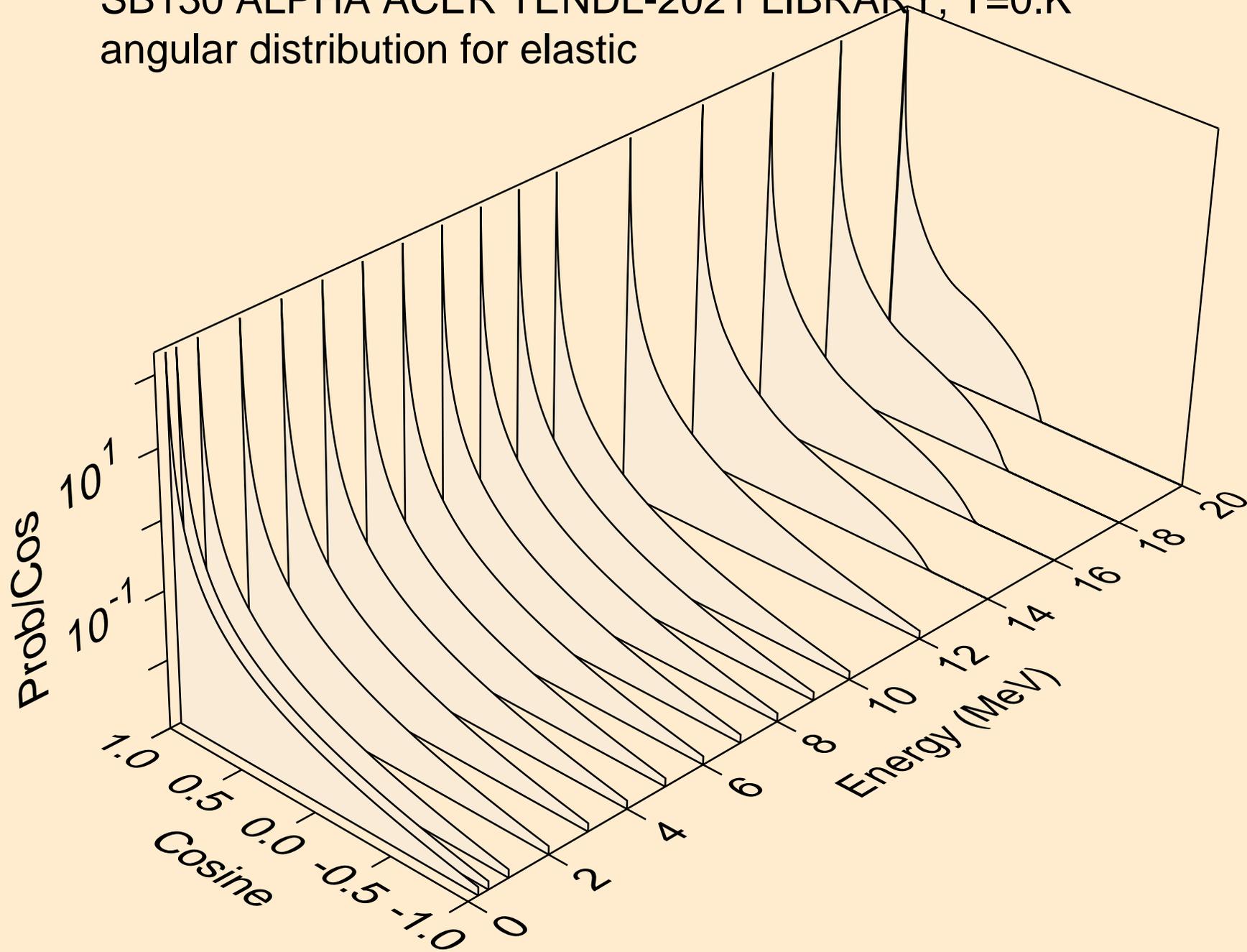- inelastic

Cross section (barns) vs Energy (MeV)

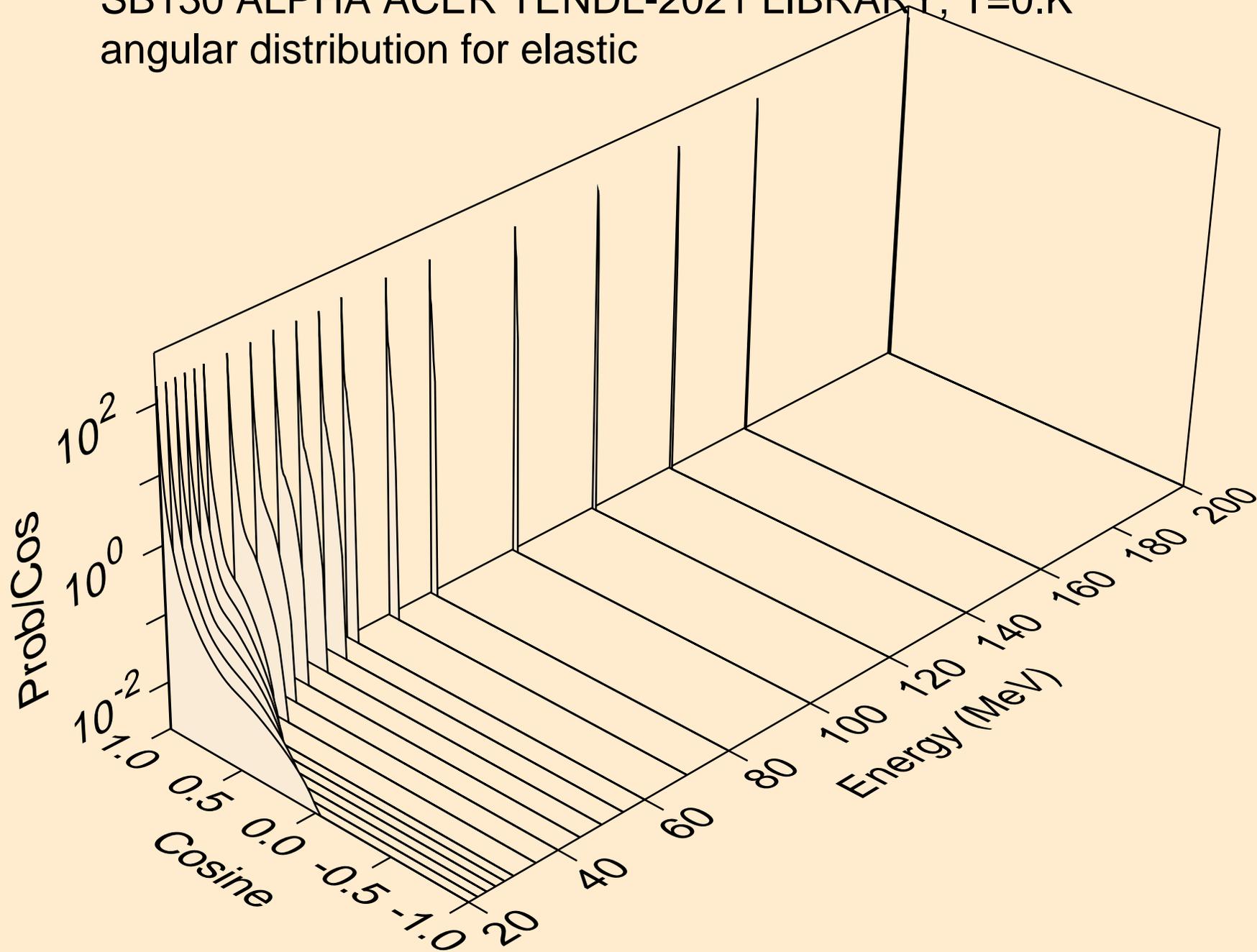SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

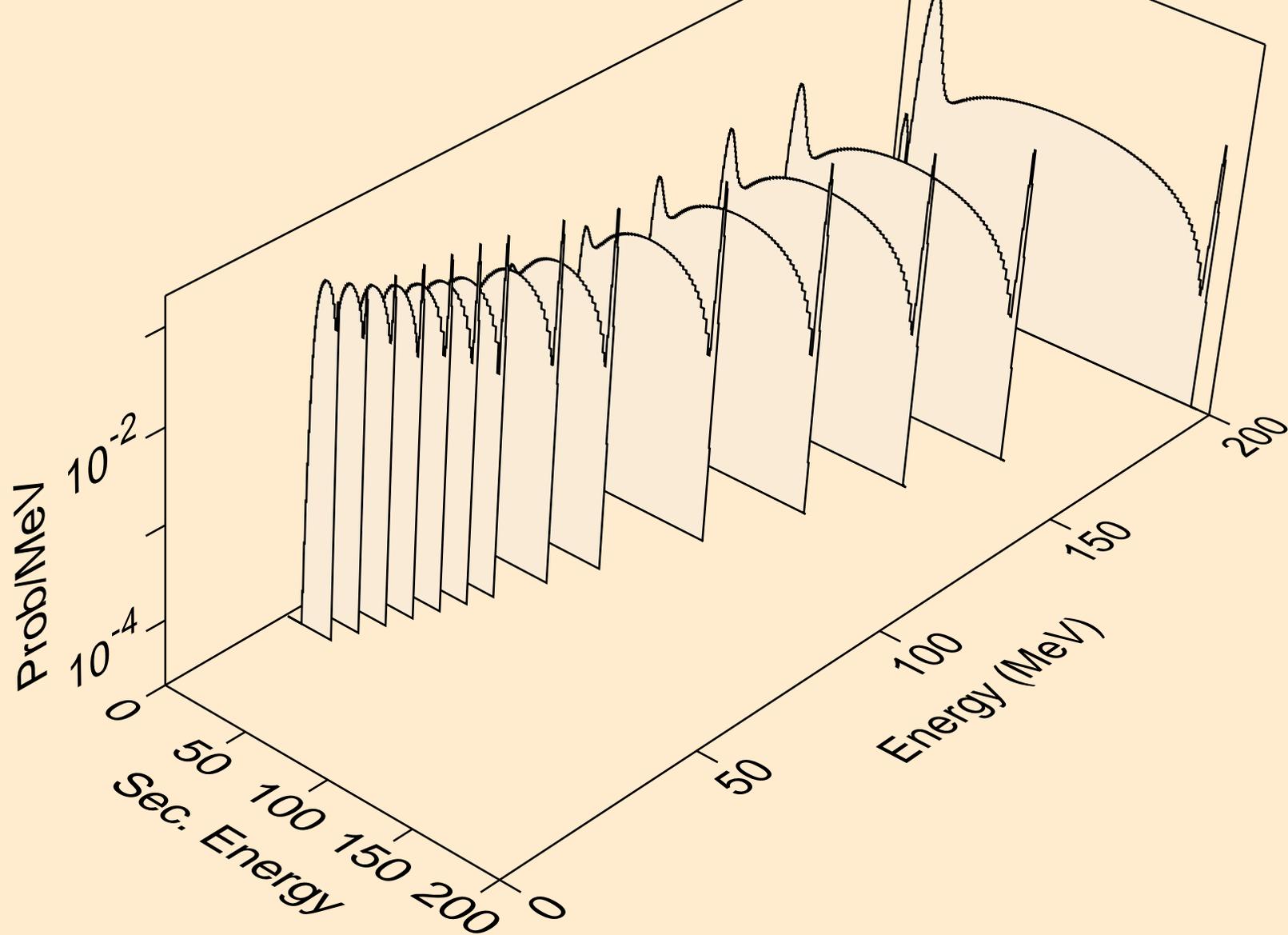SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

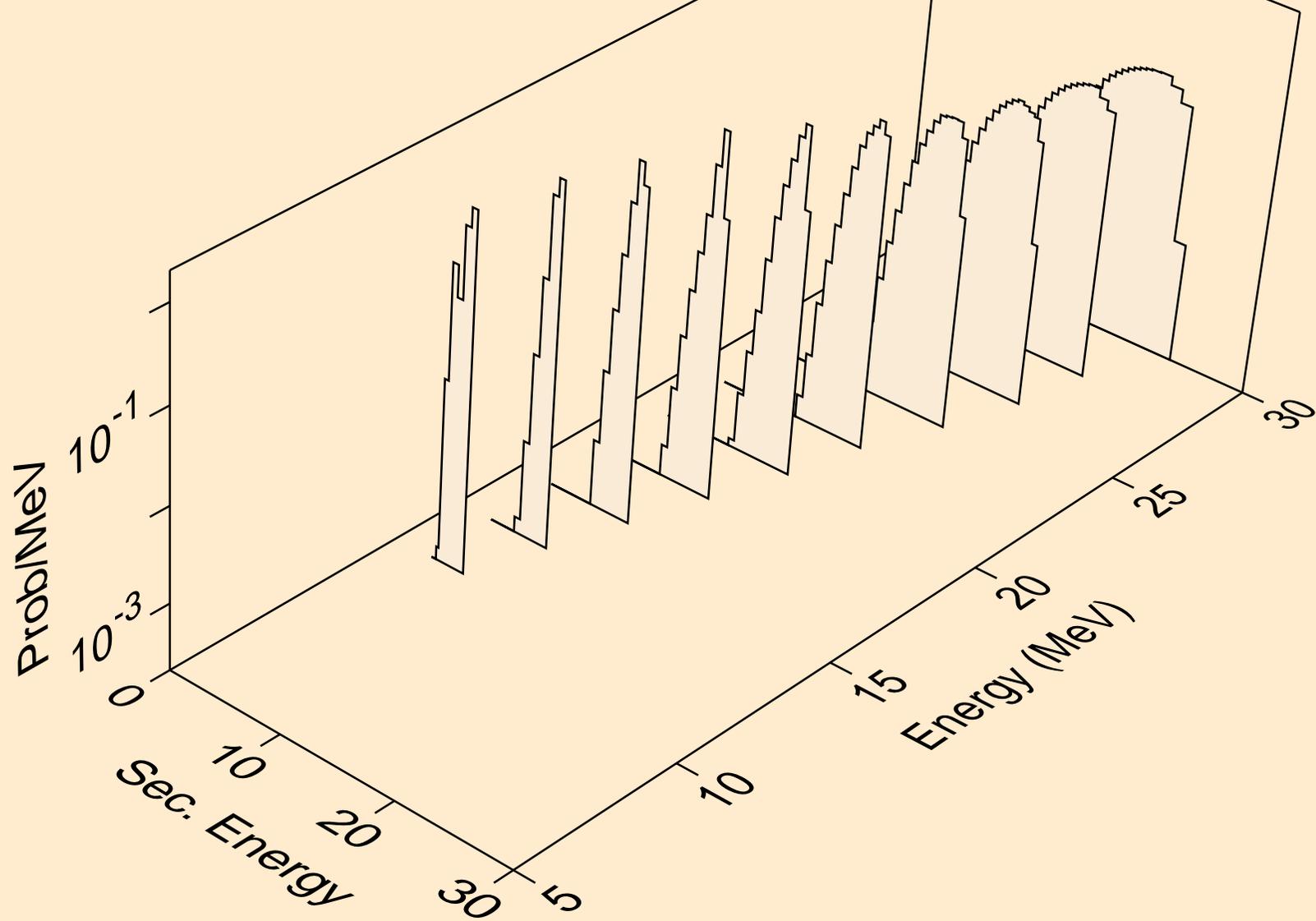SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

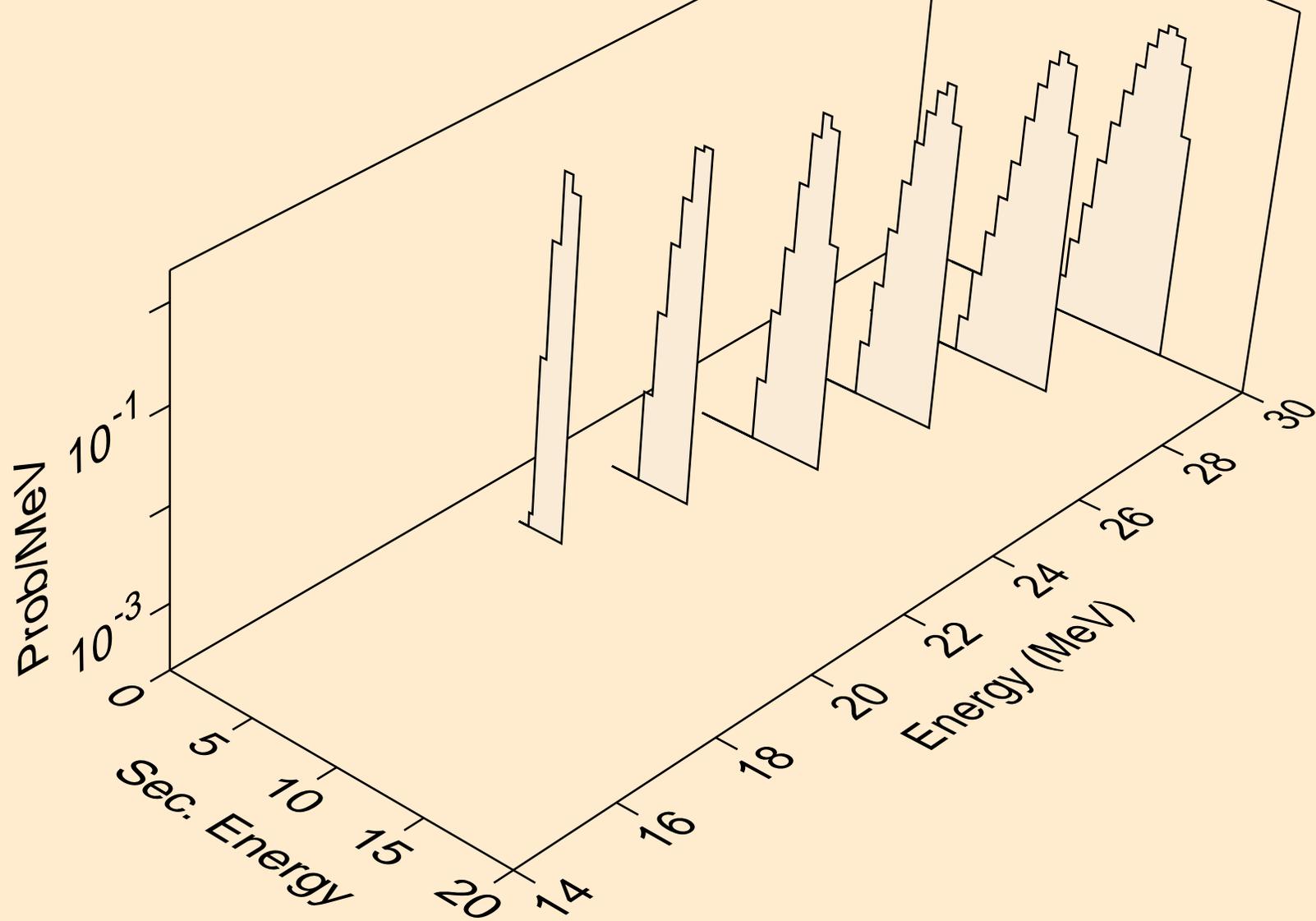SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

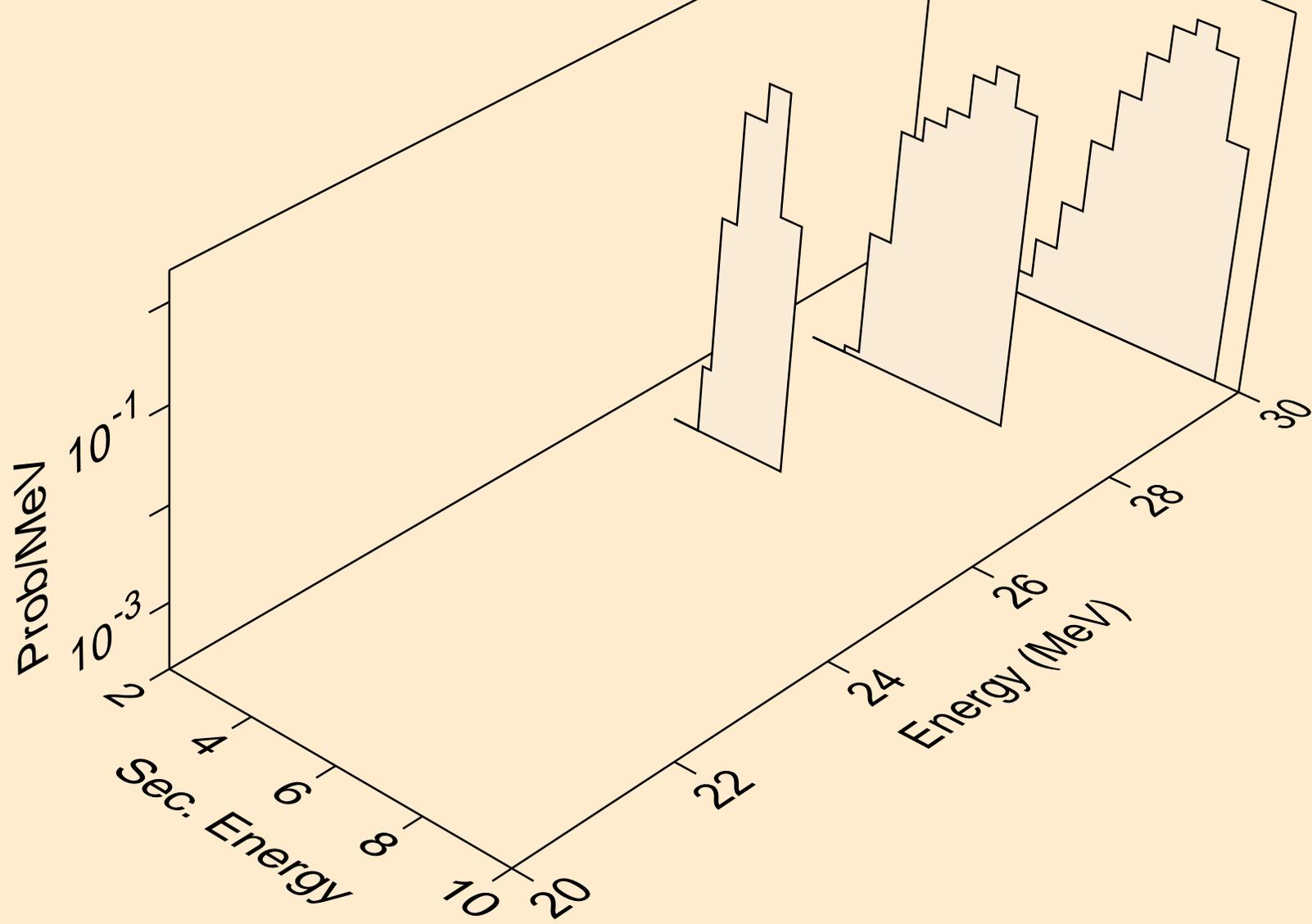SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,x)

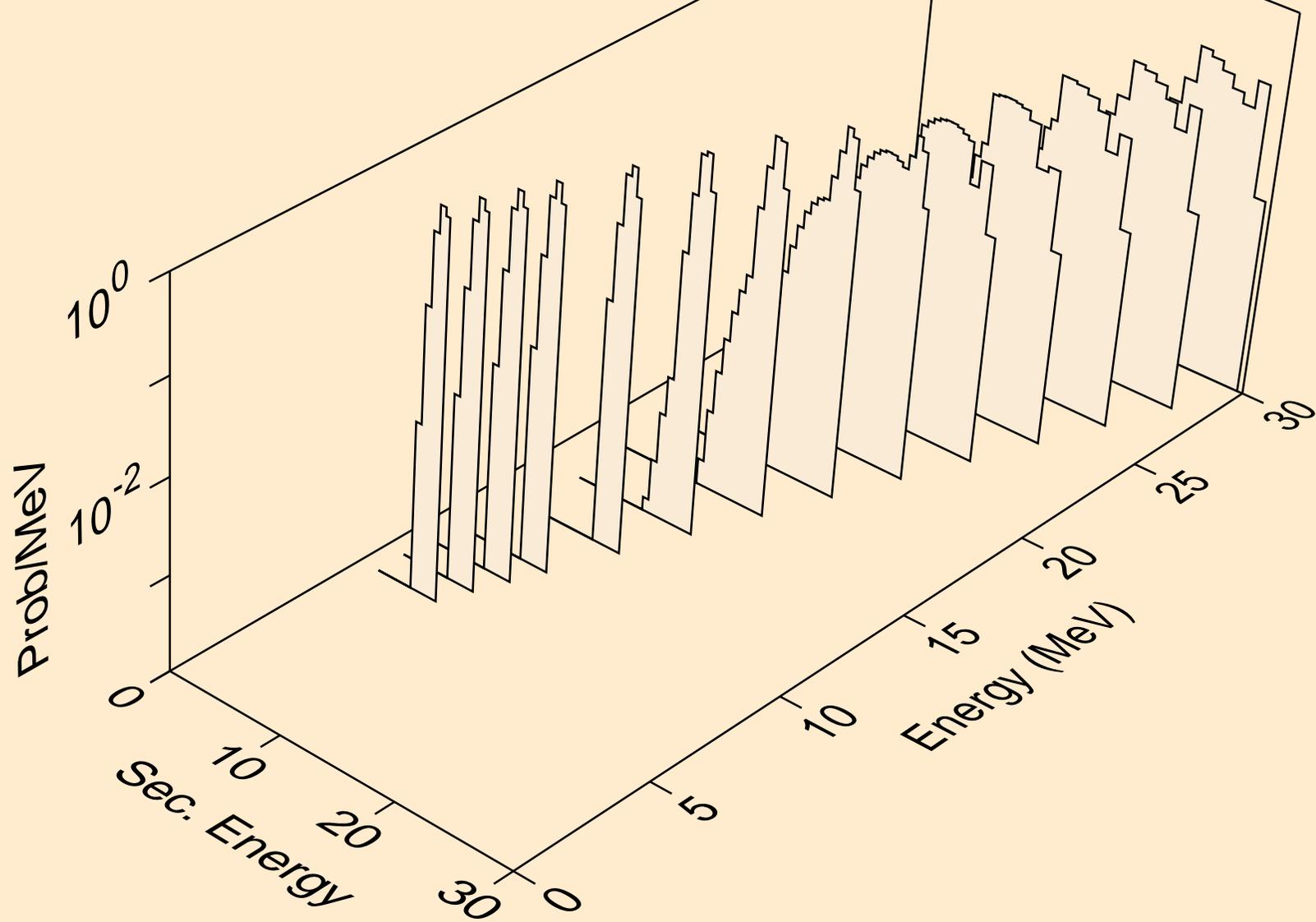SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)a

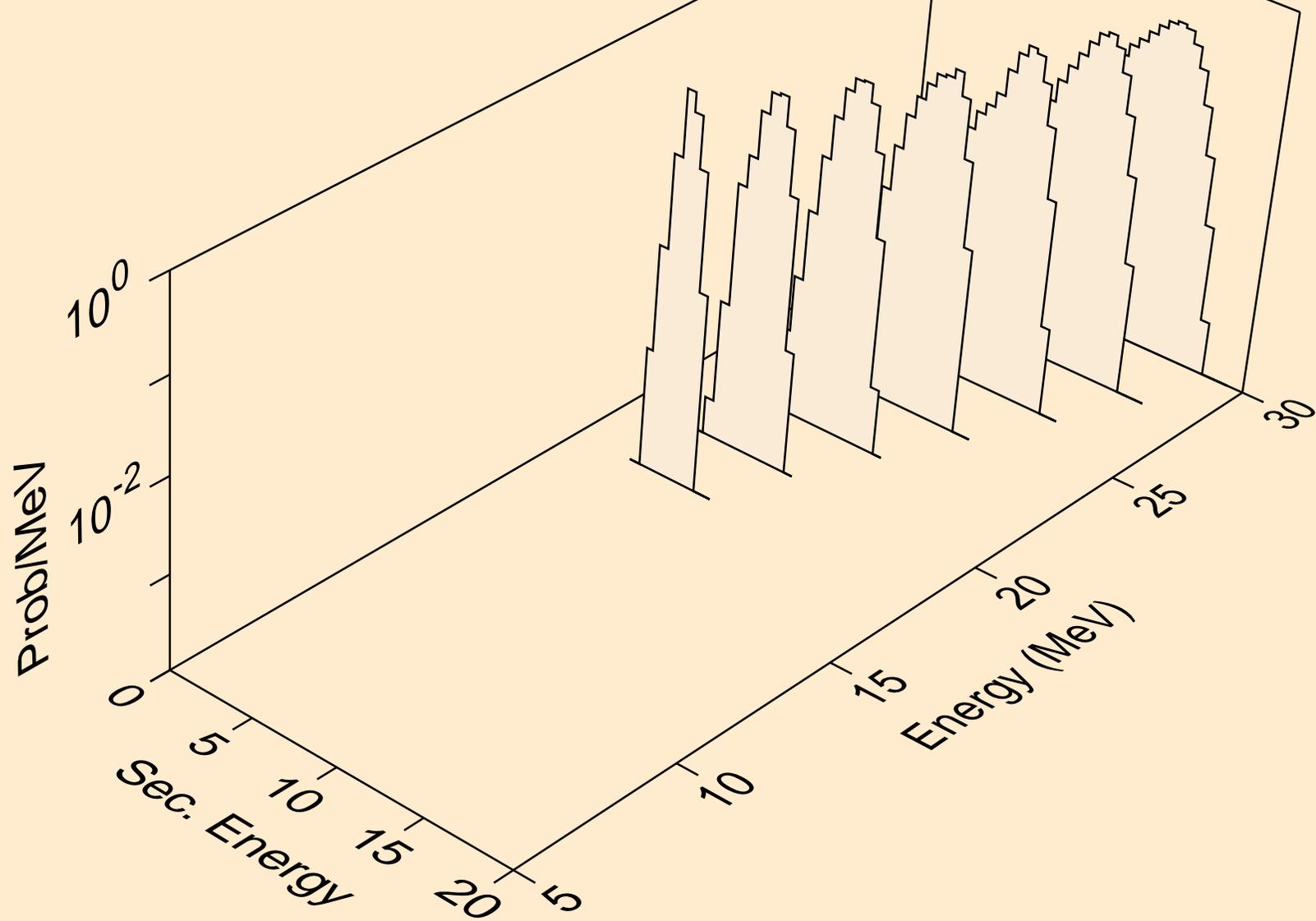SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2n)a

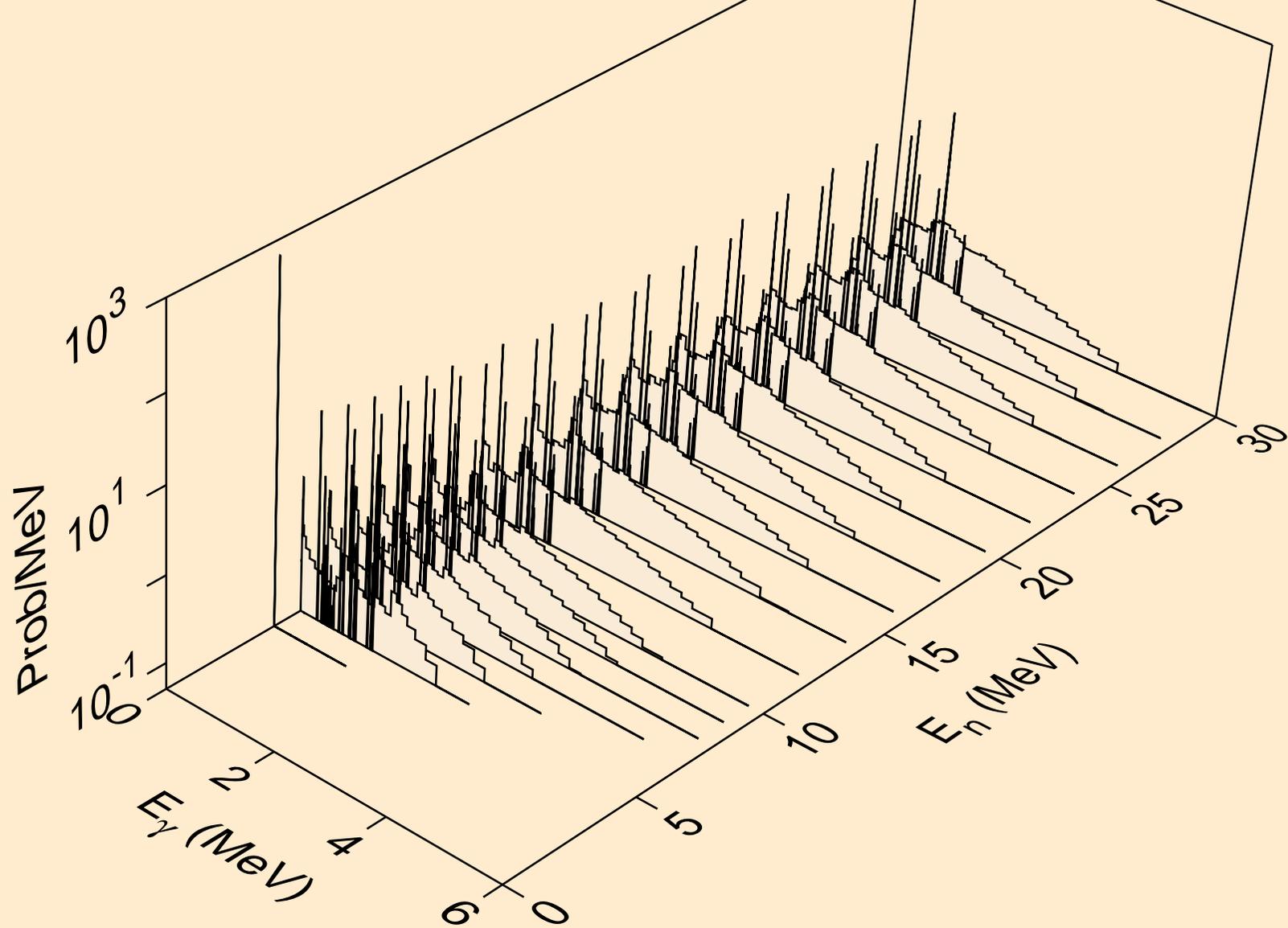SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,3n)a

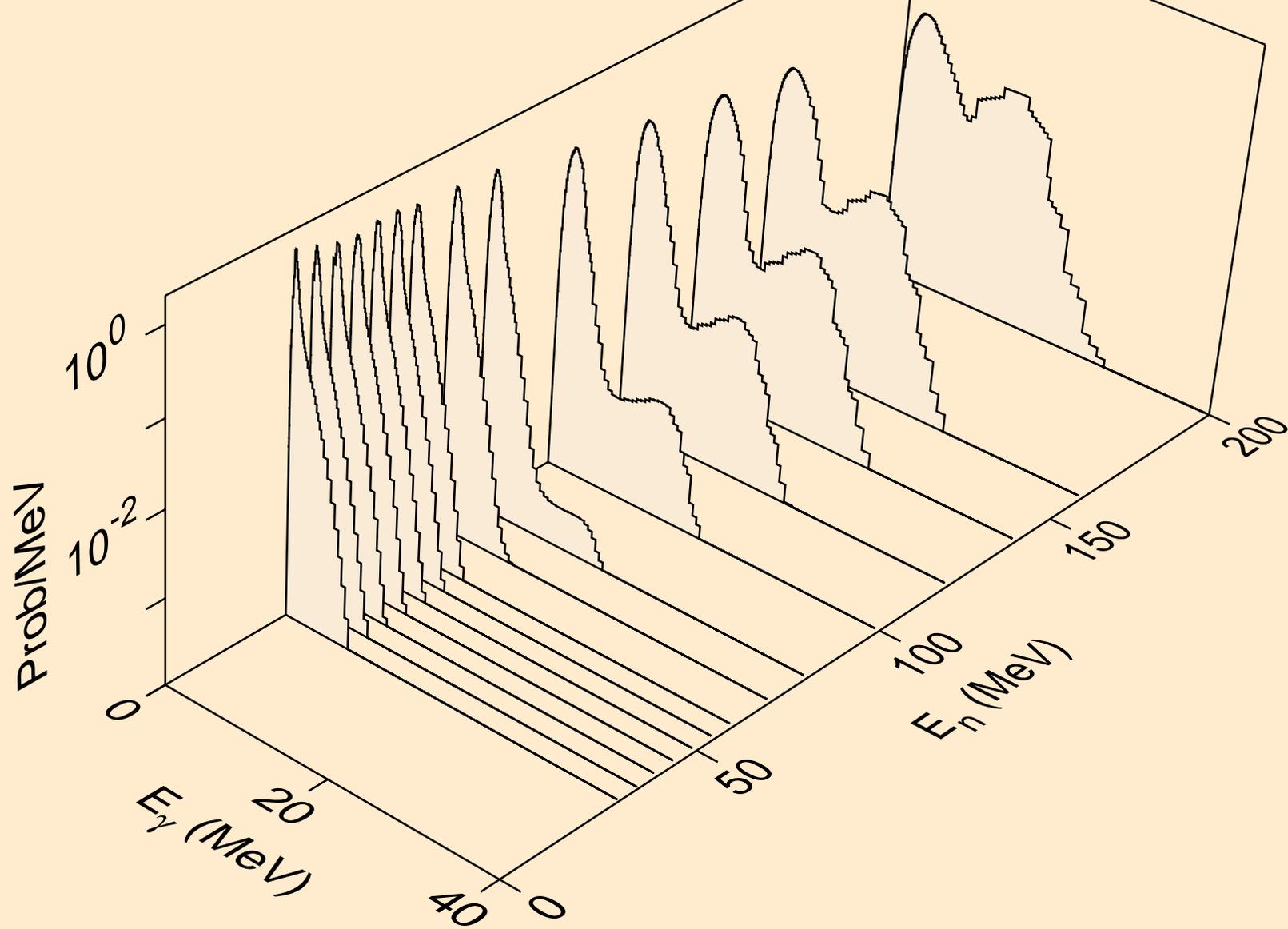SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for inelastic

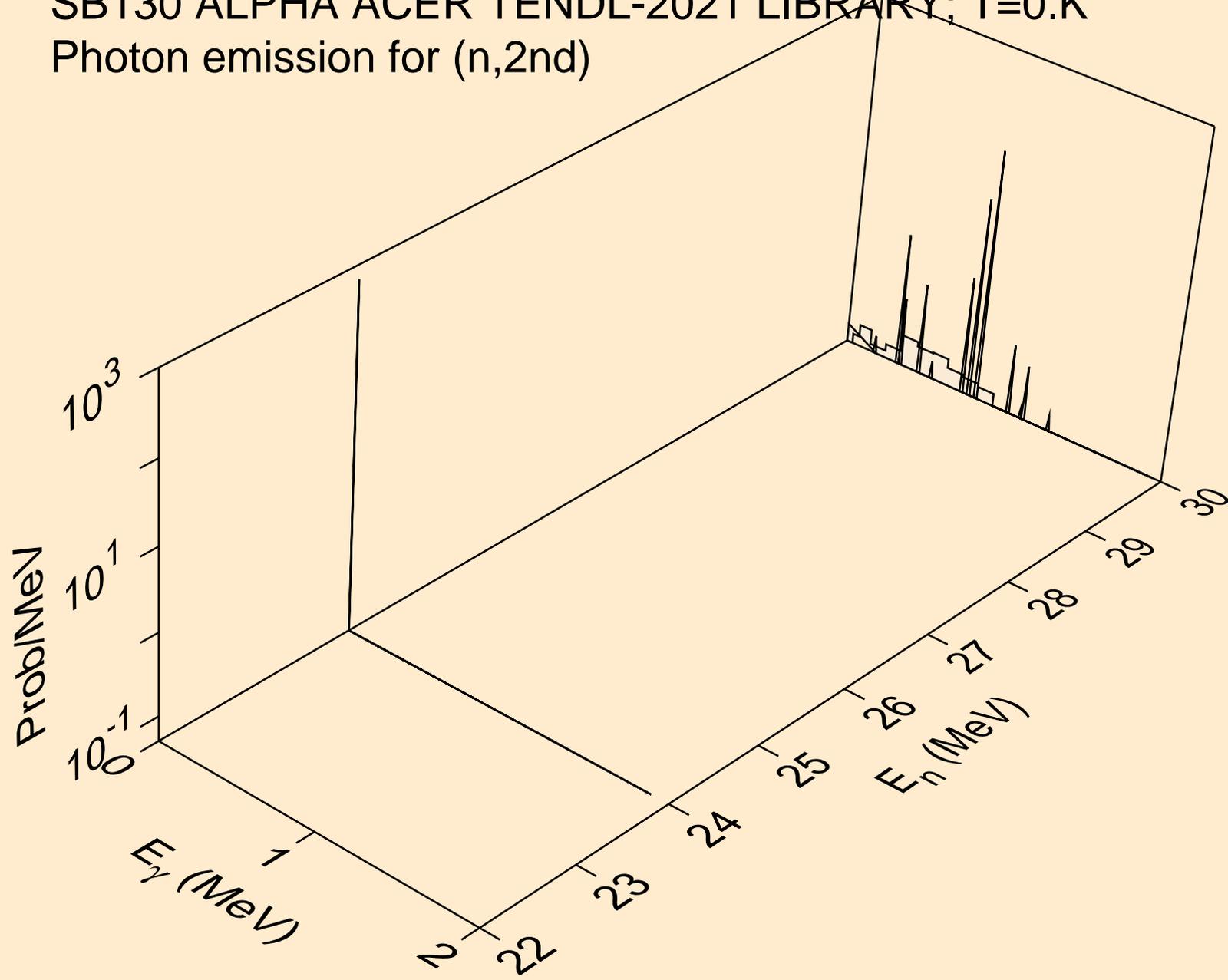SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,pa)

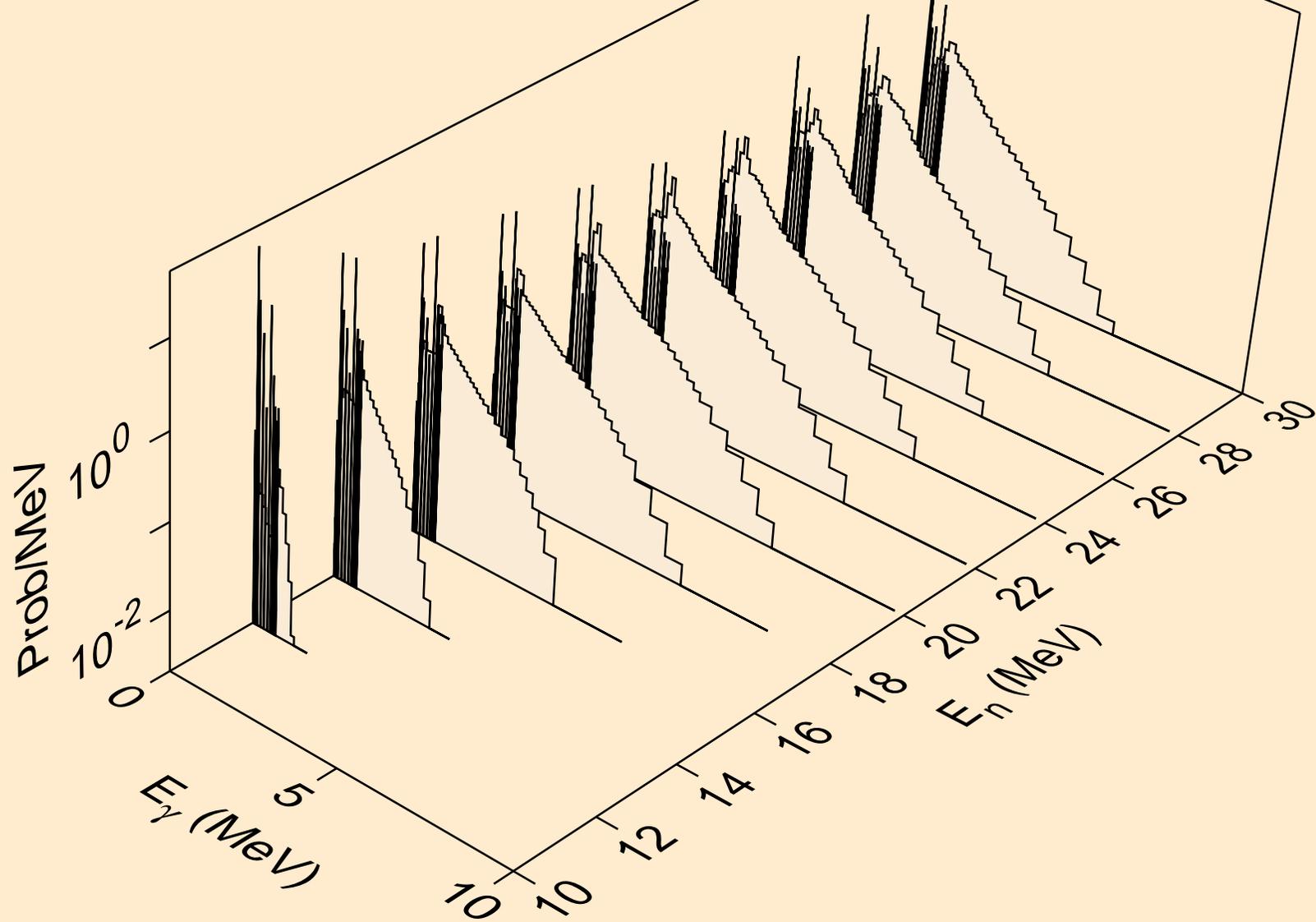SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (z,n)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
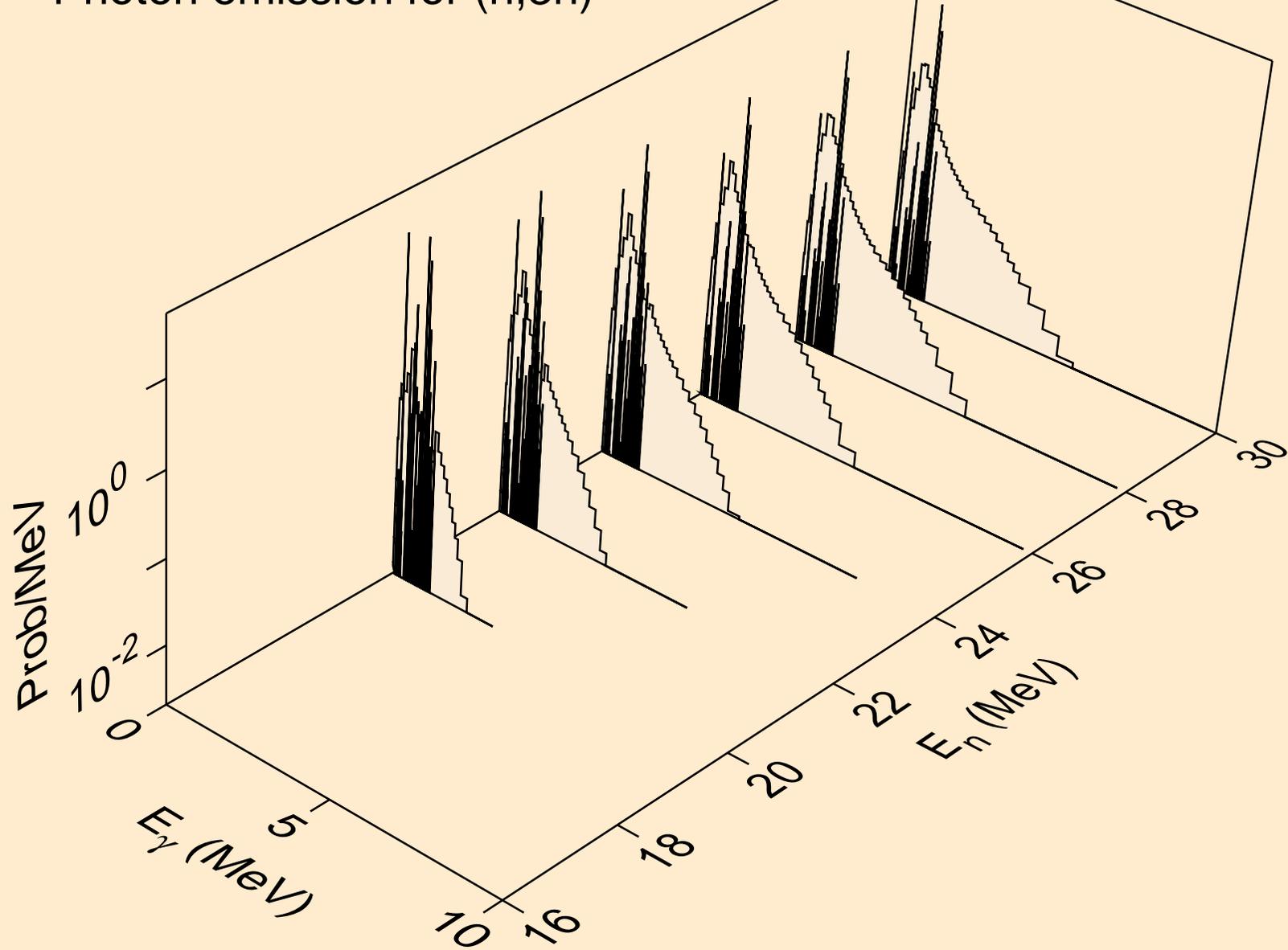Photon emission for (n,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
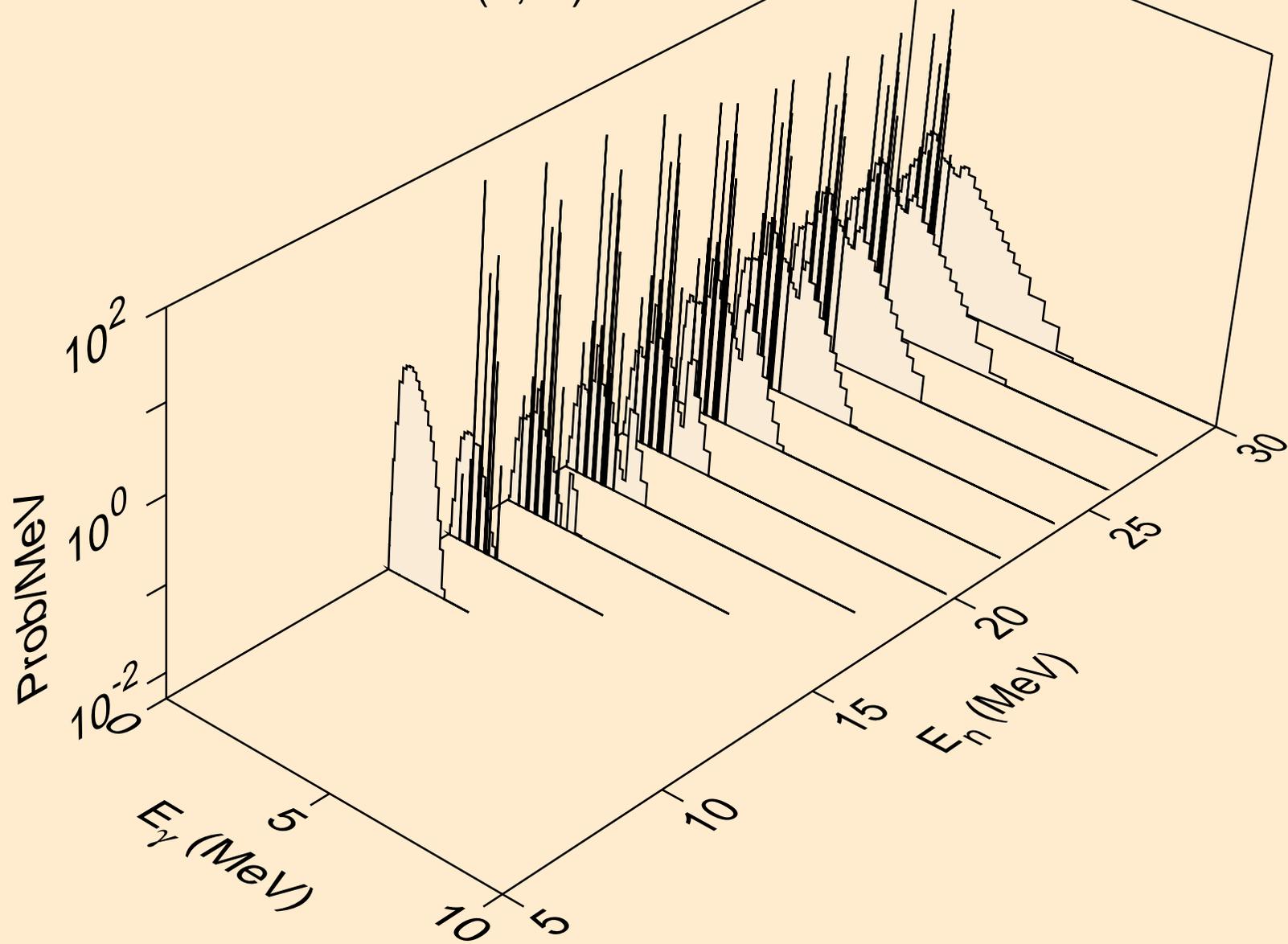Photon emission for (n,2nd)

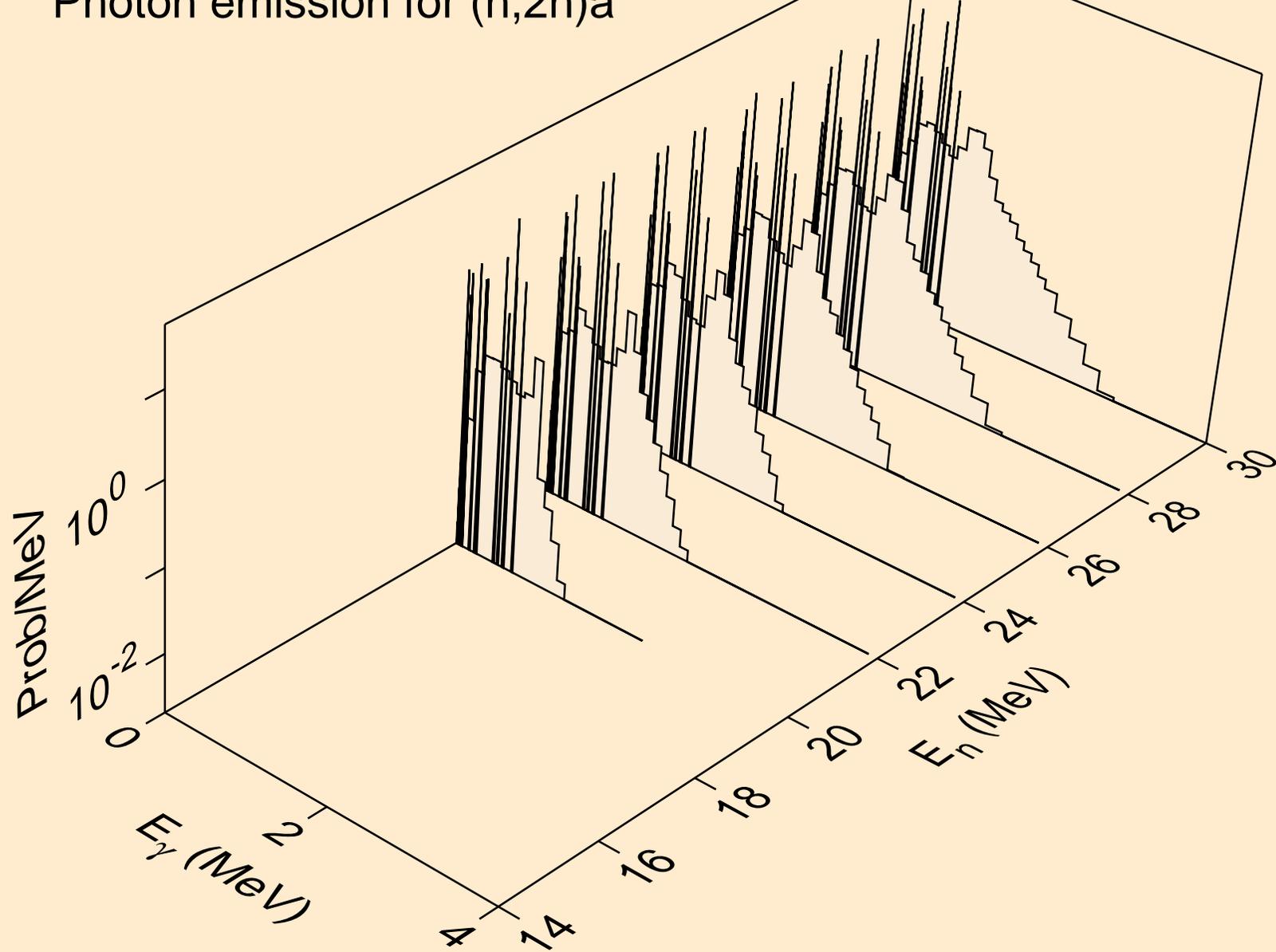SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)

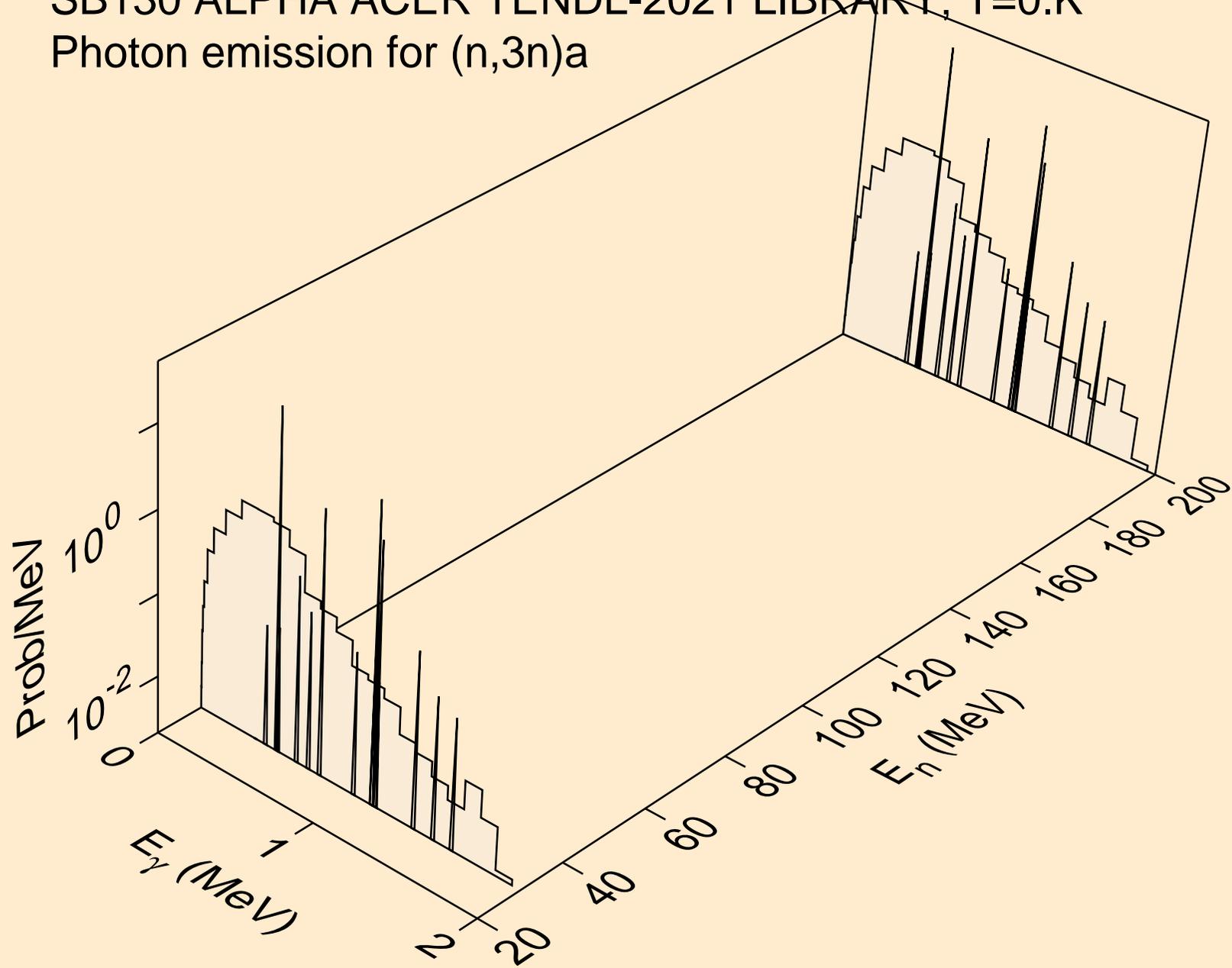SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)

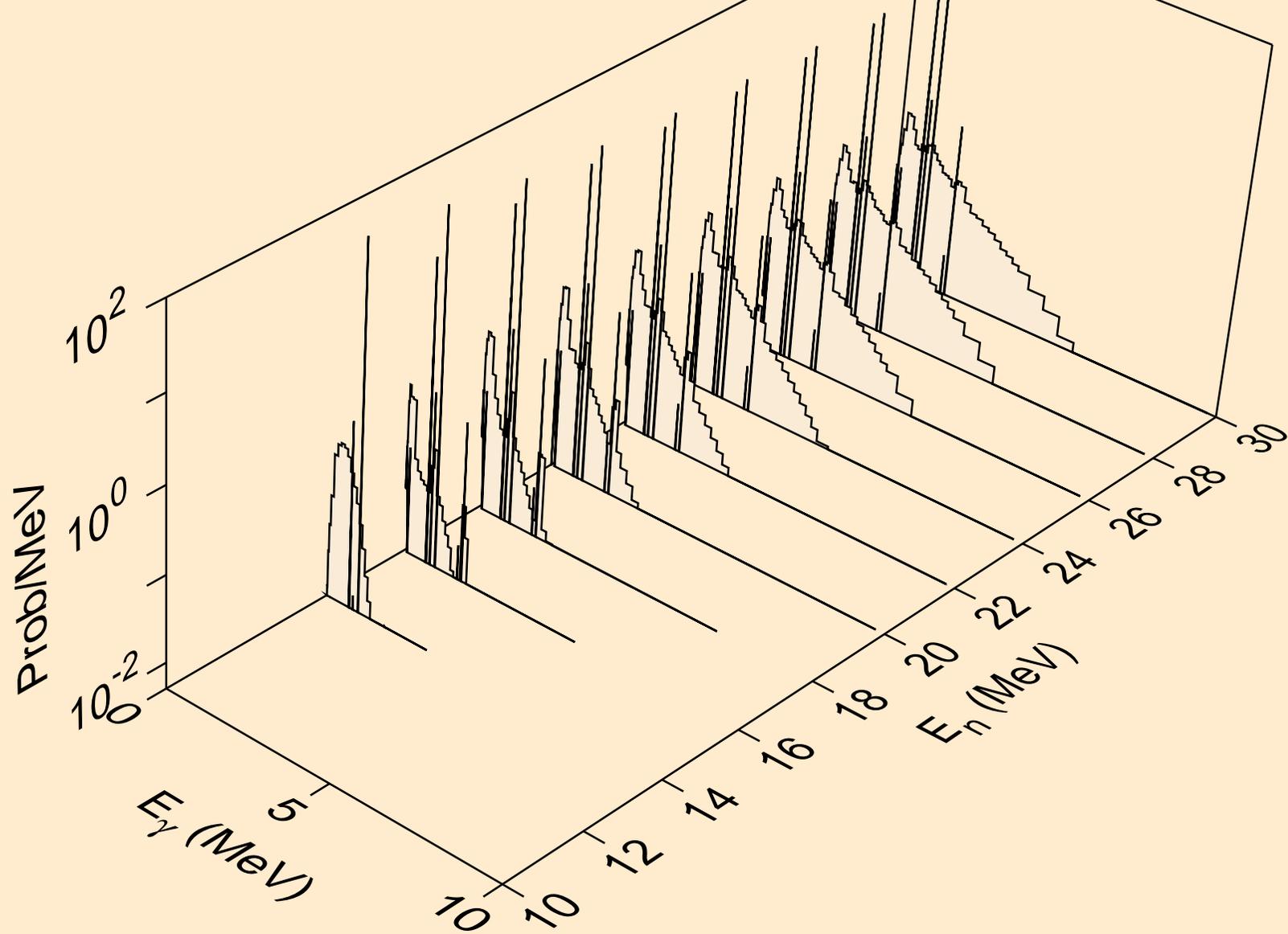SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)a

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)a

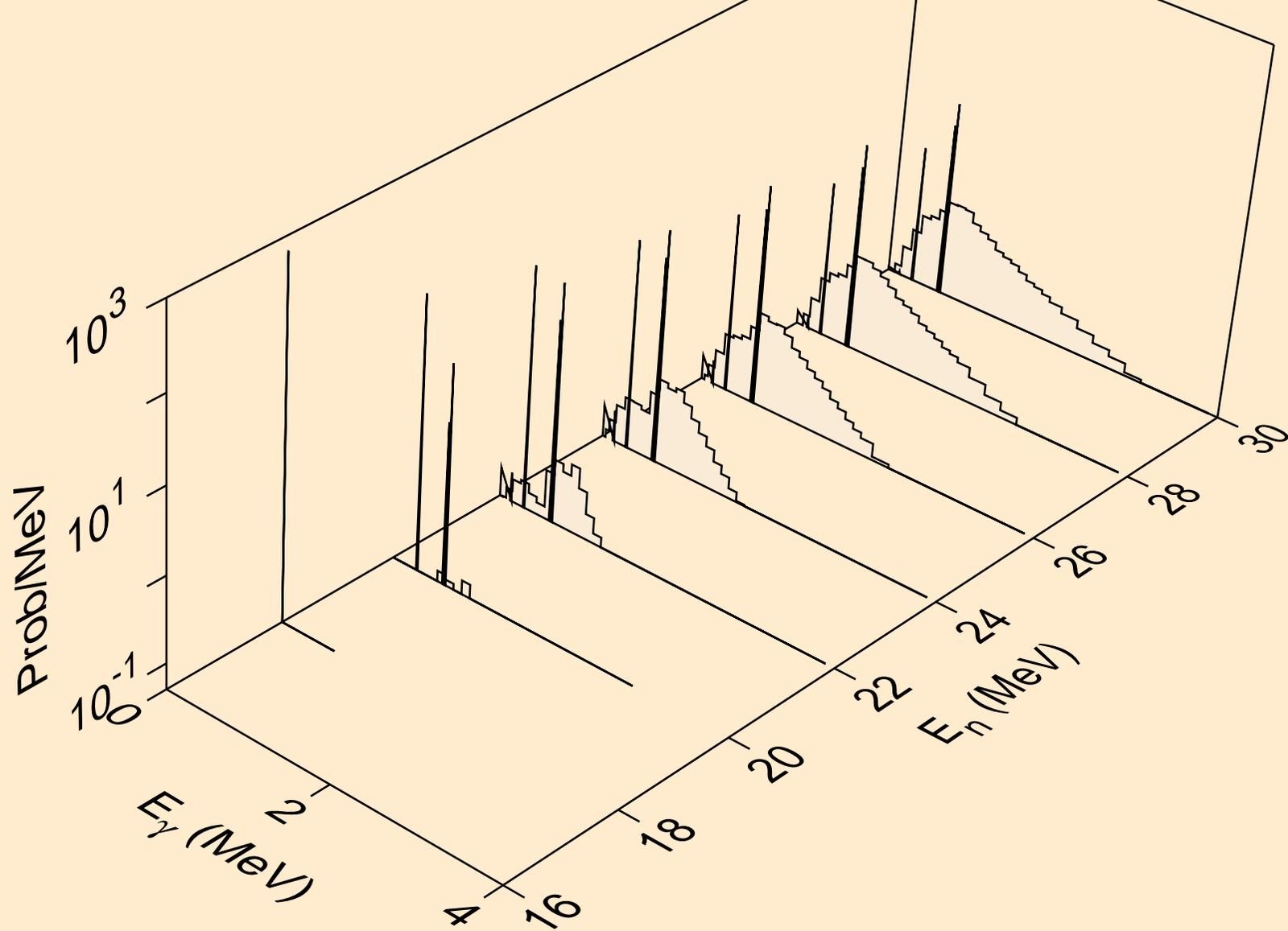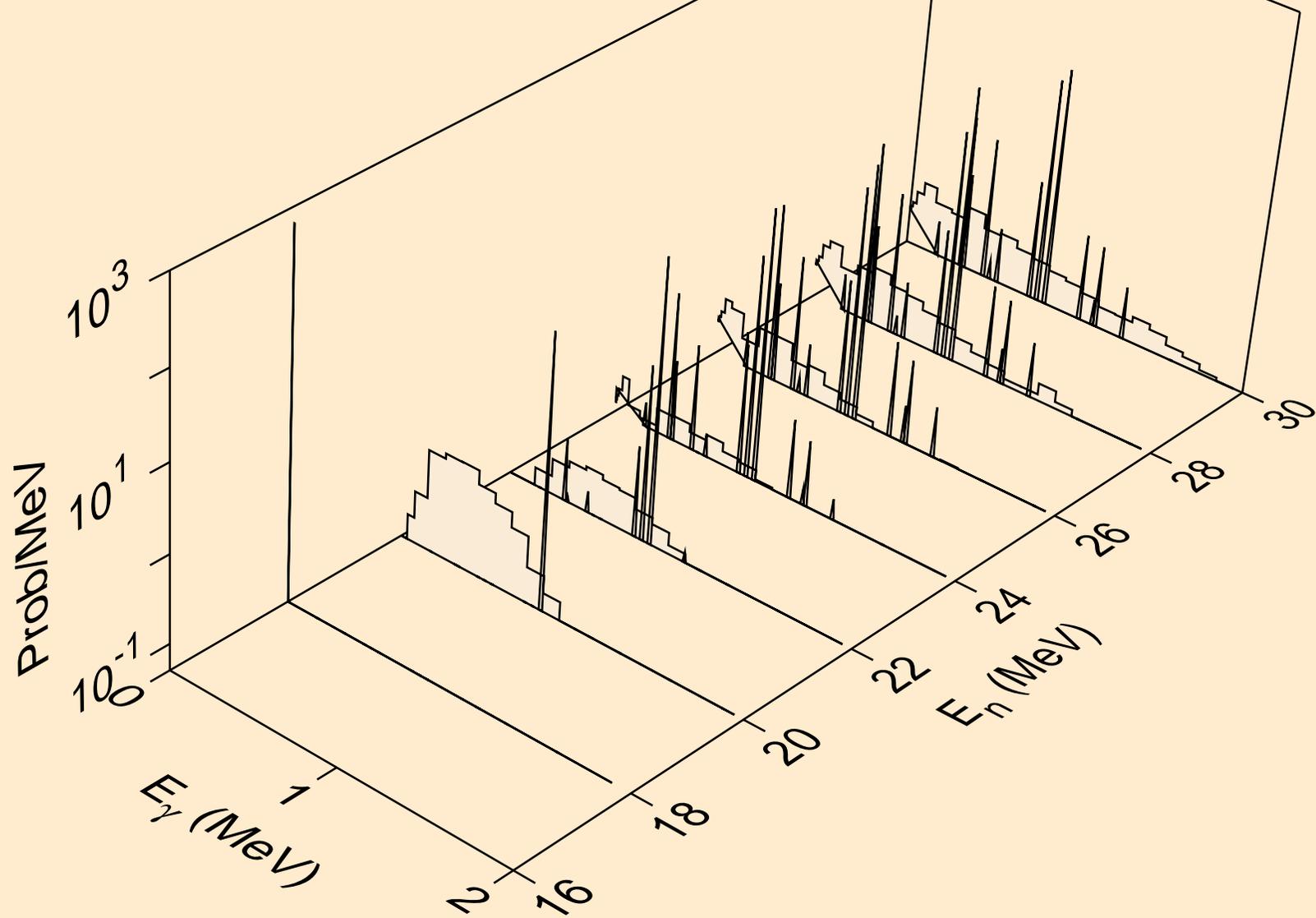ProbMeV

10^0

10^{-2}

E_γ (MeV)

E_n (MeV)

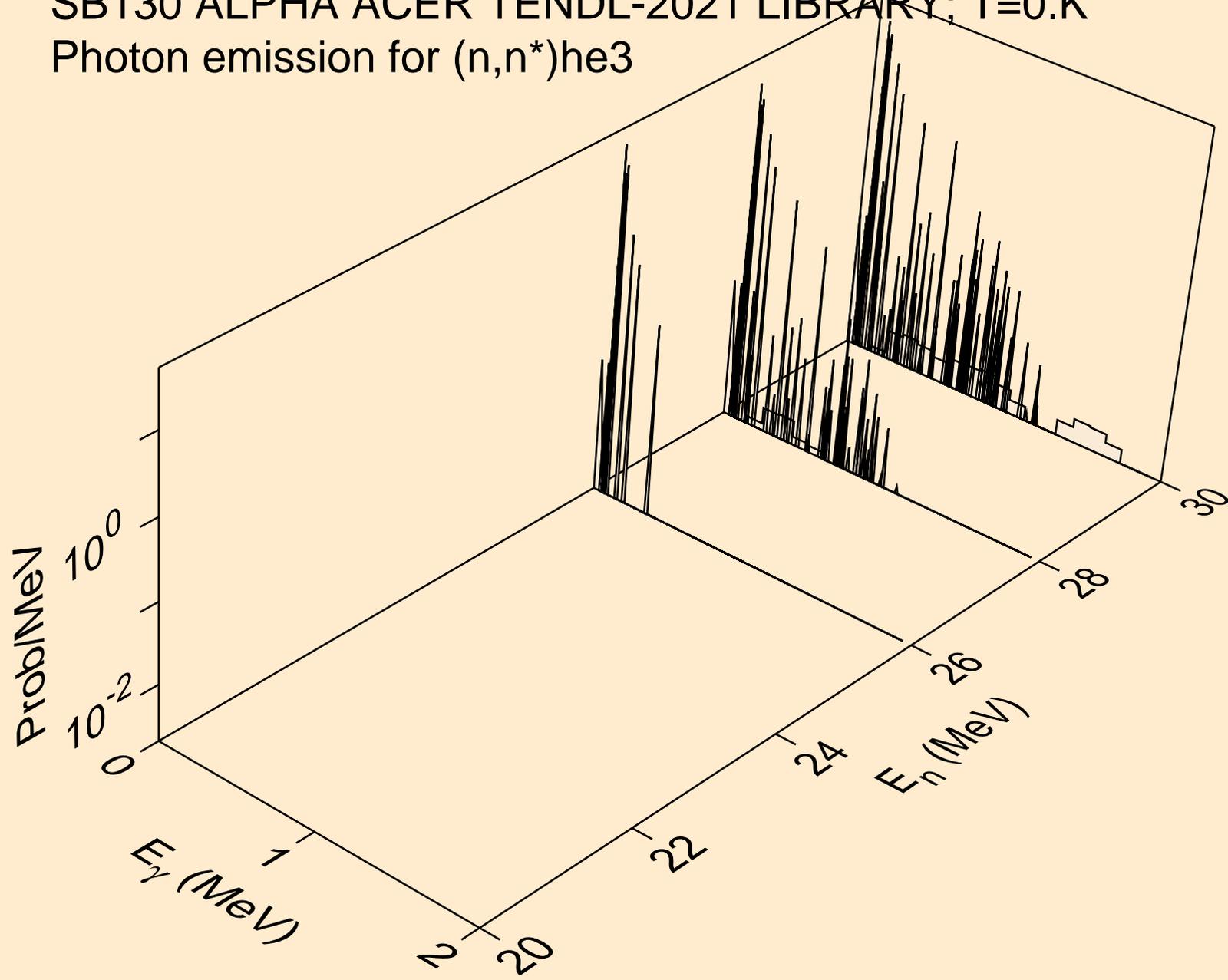SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)p

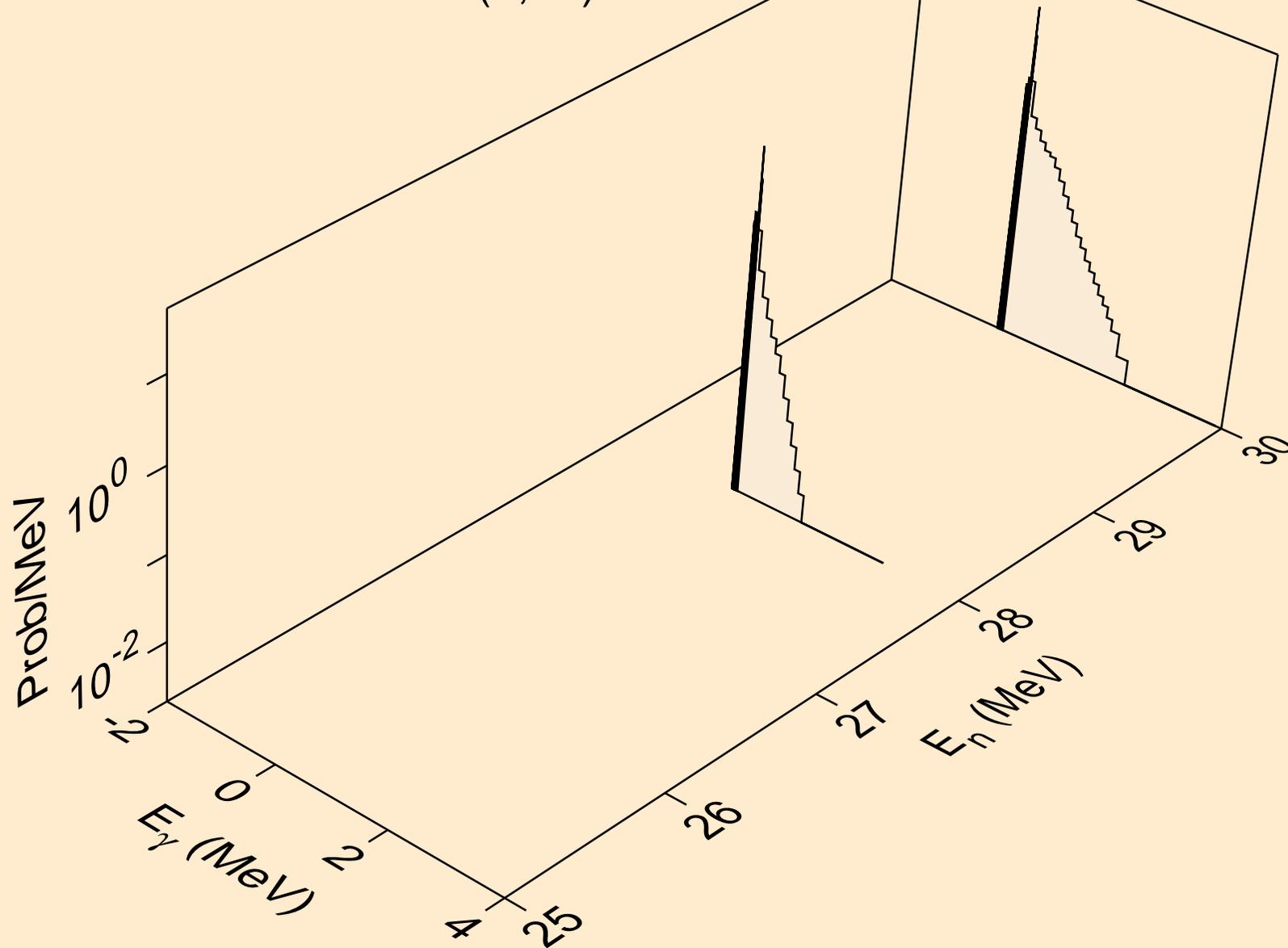SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)d

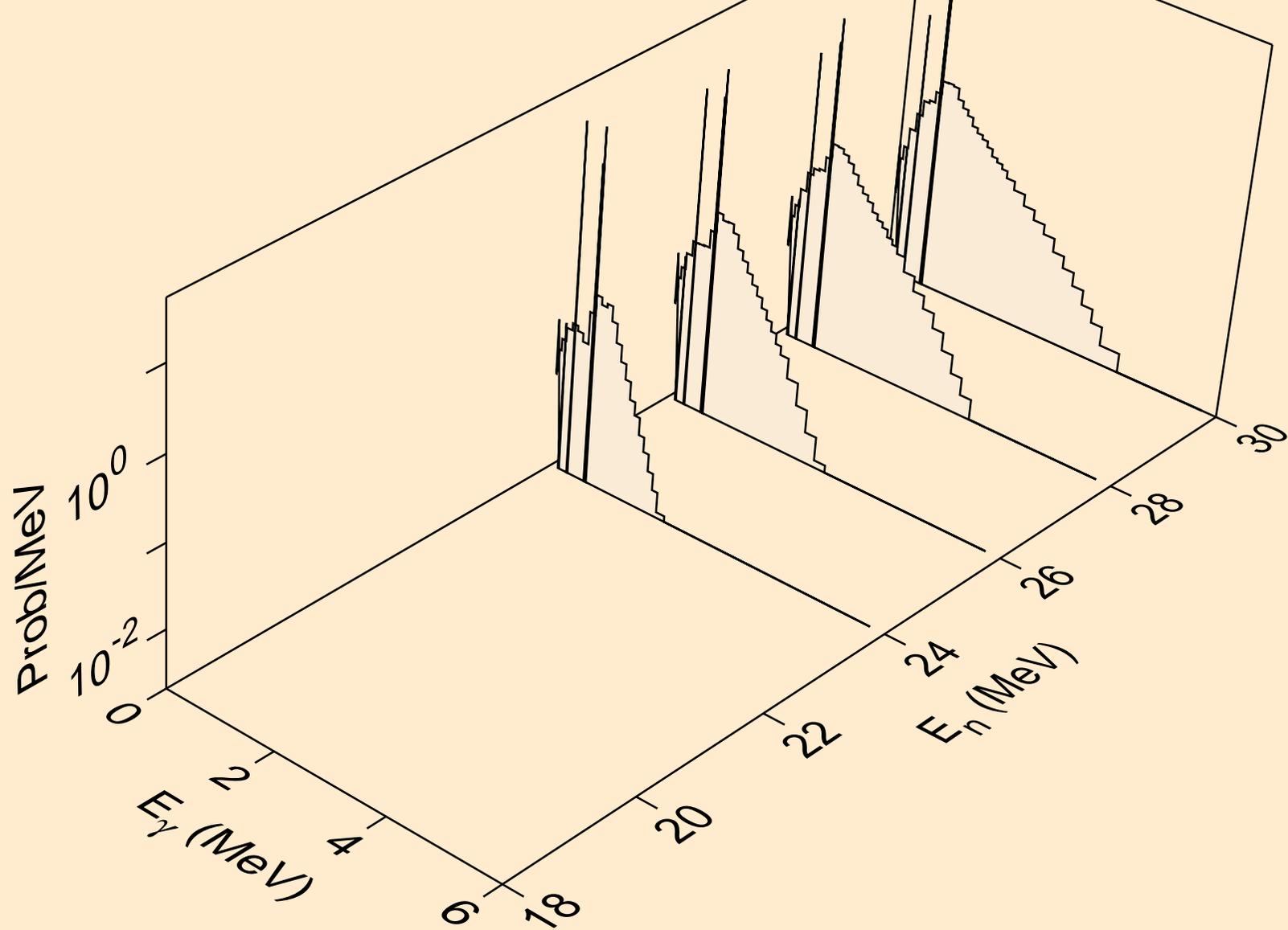SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)t

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
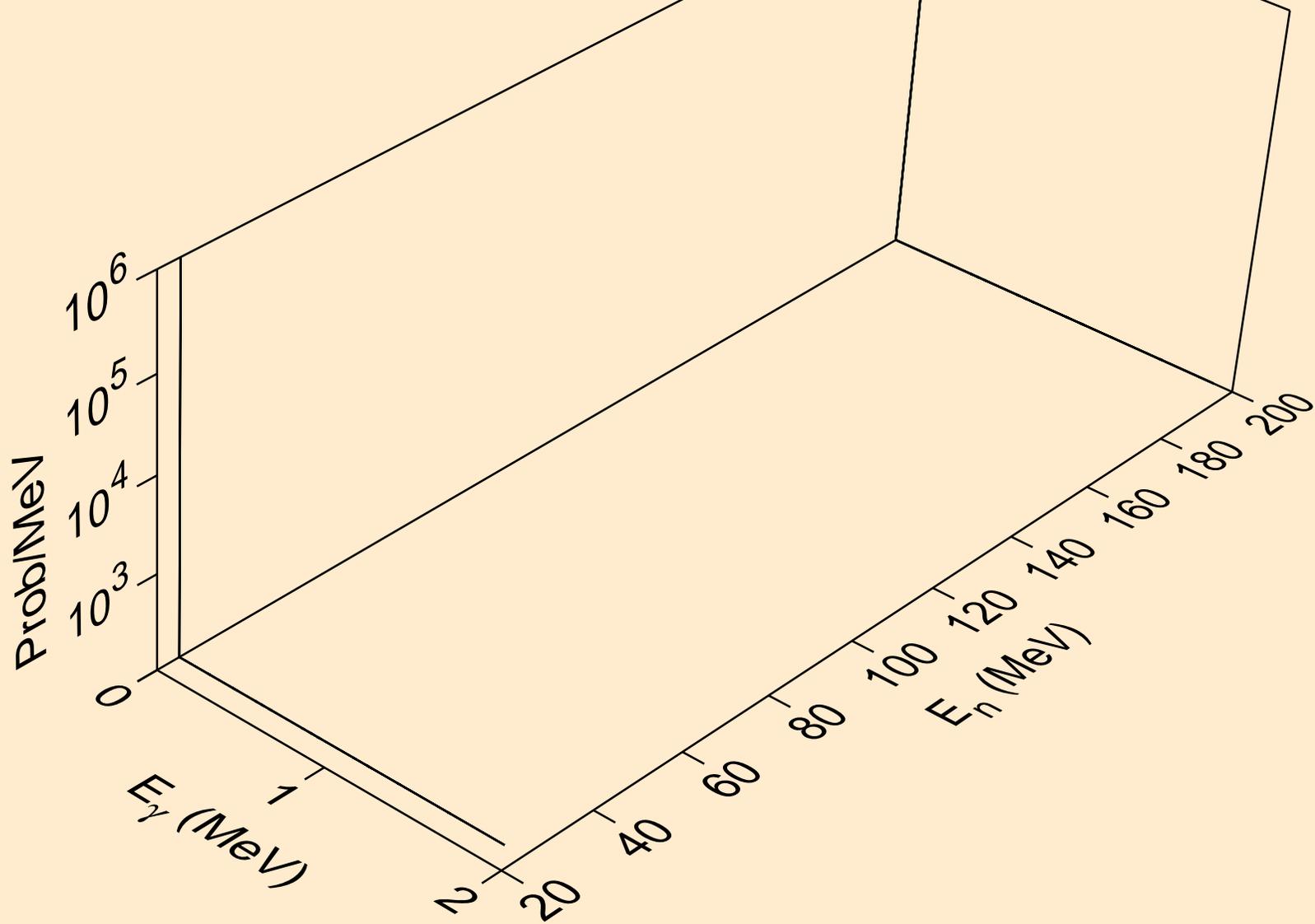Photon emission for (n,n*)he3

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
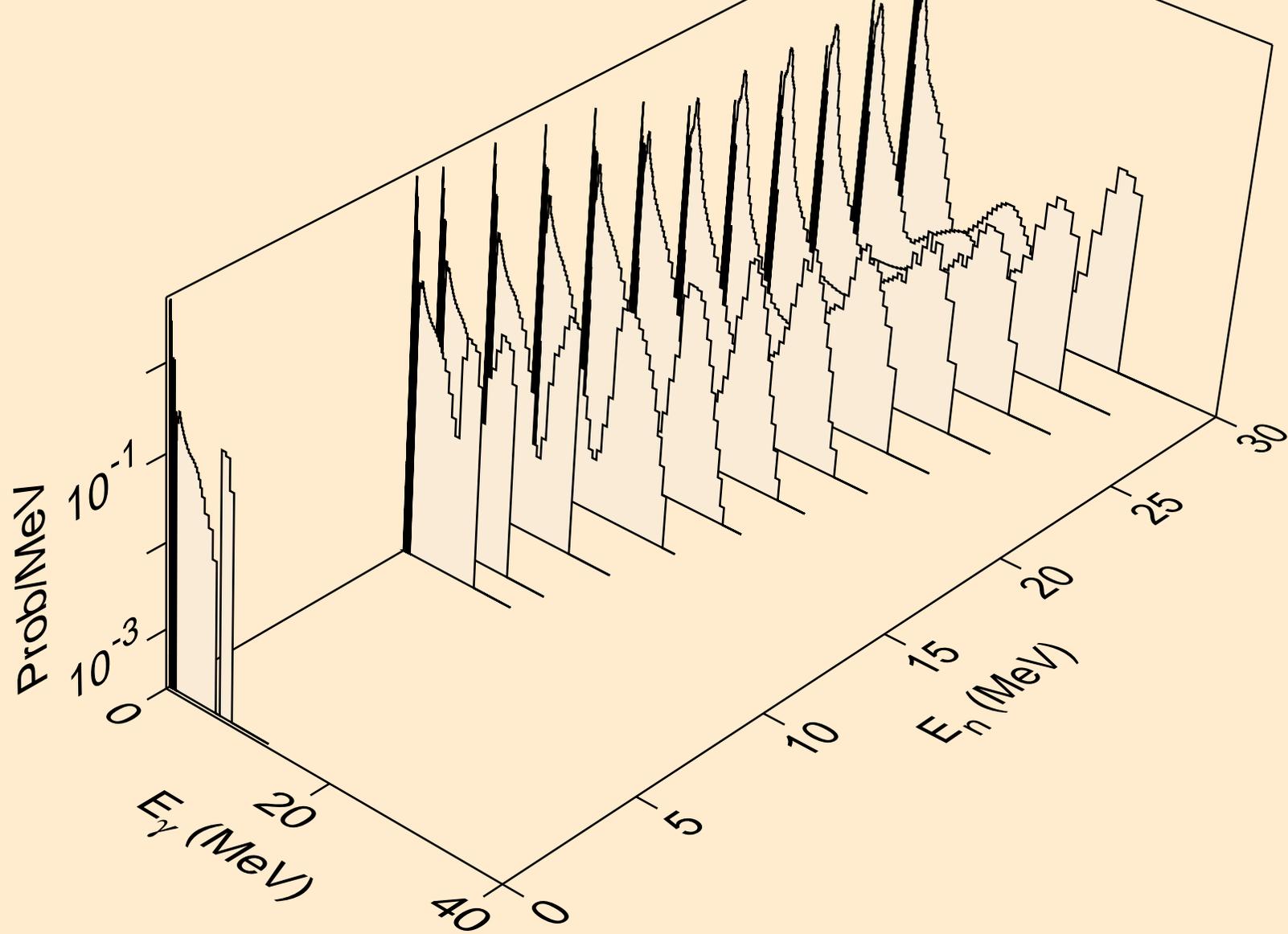Photon emission for (n,4n)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
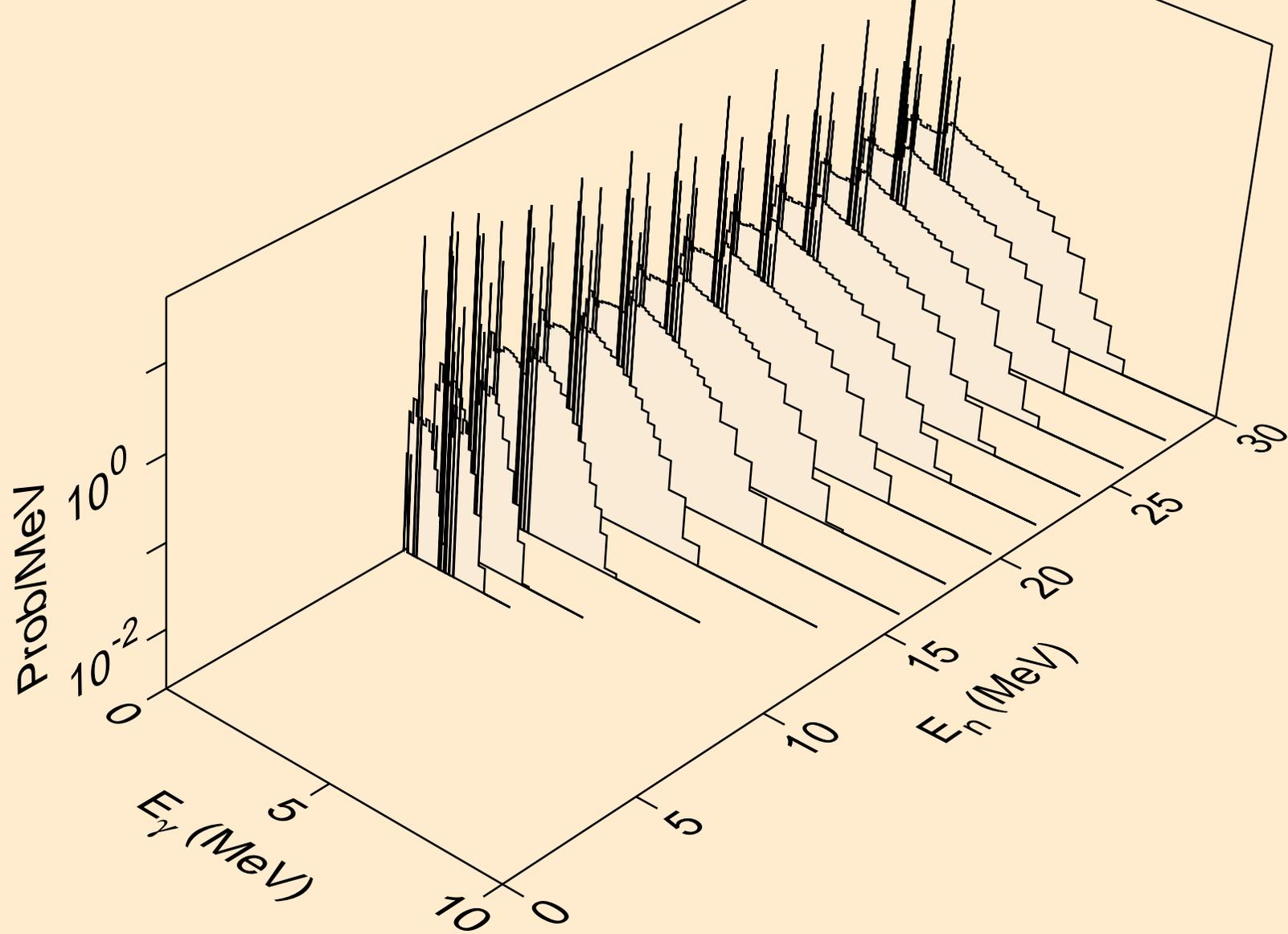Photon emission for (n,2np)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
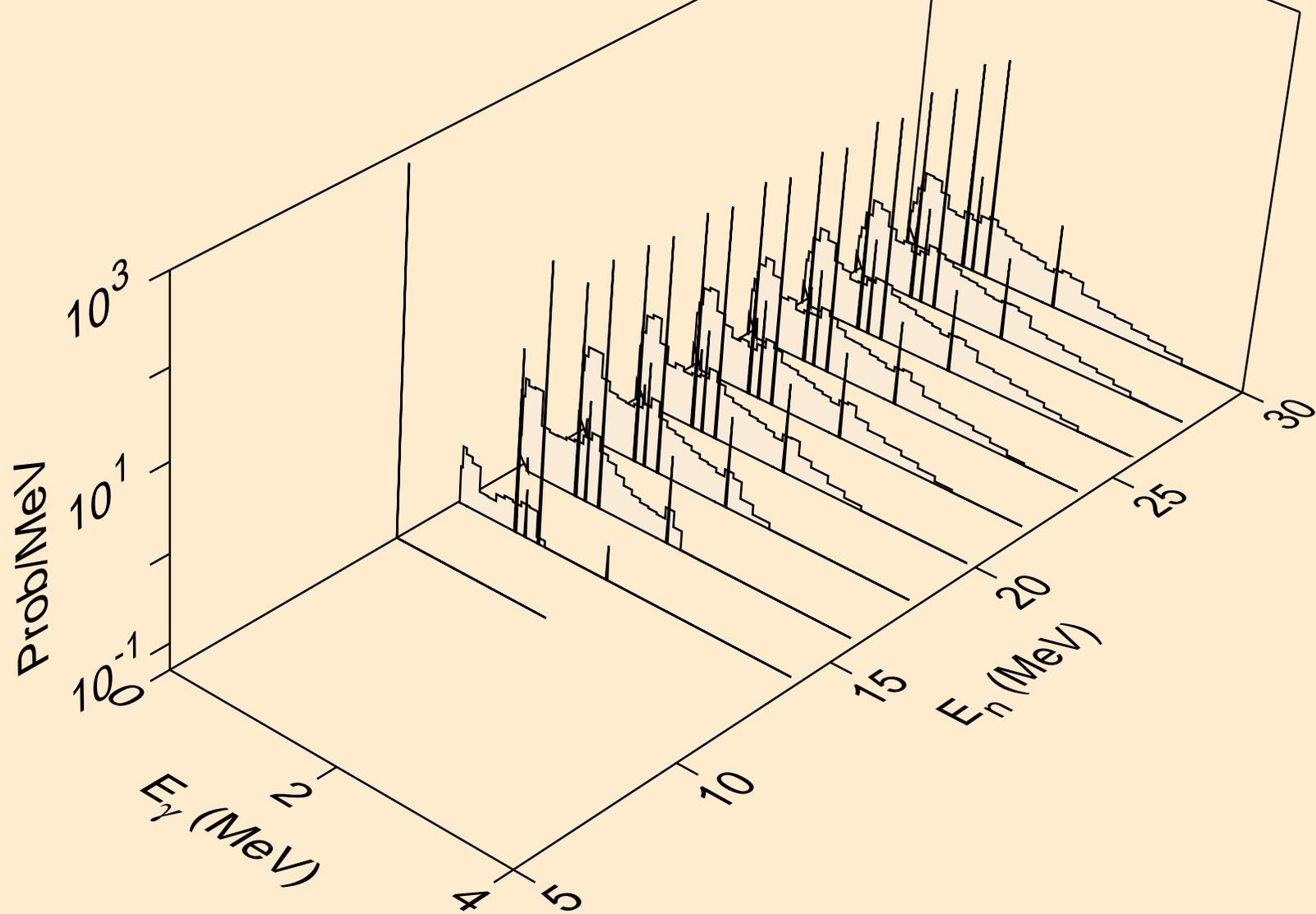Photon emission for (n,3np)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
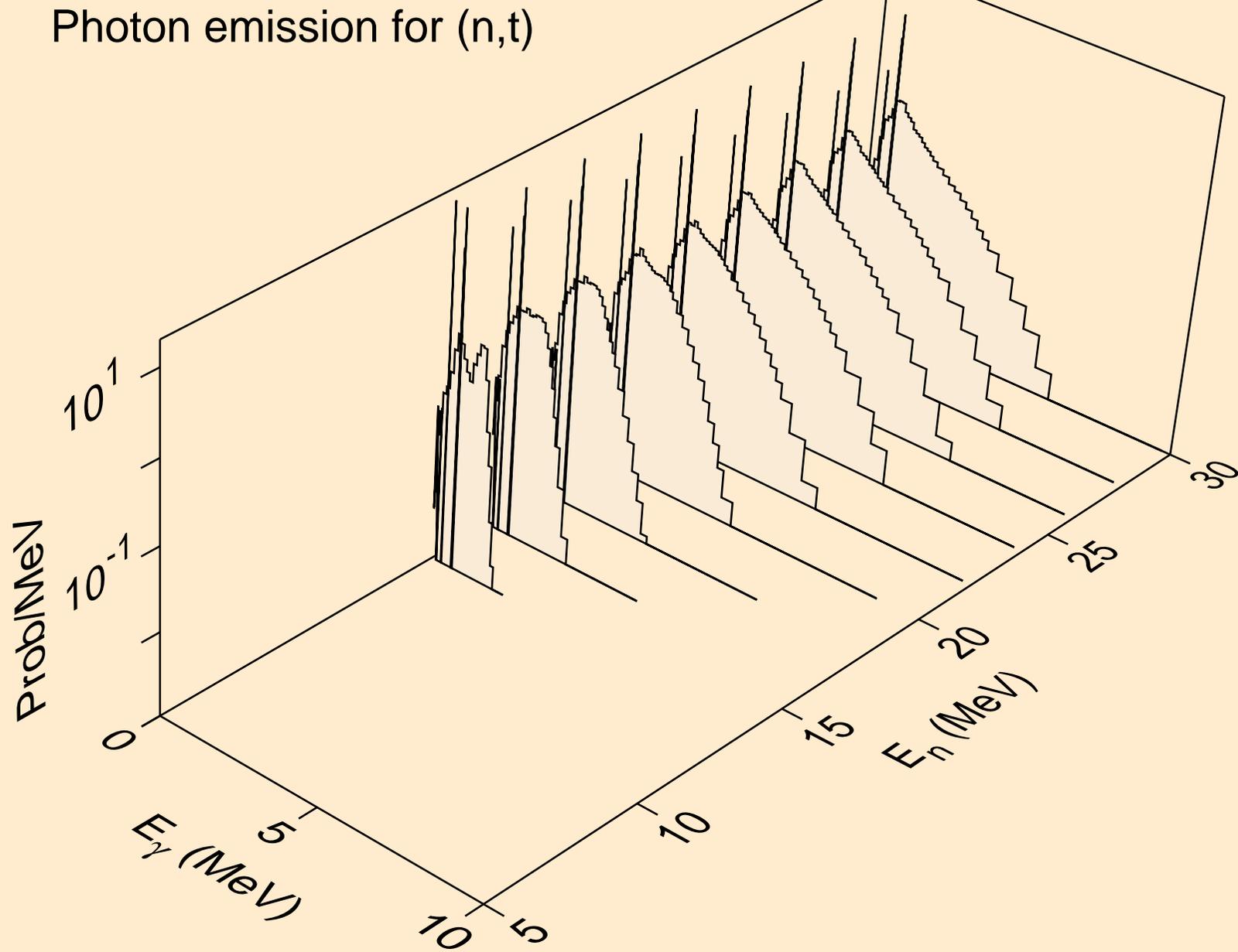Photon emission for (n,gma)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
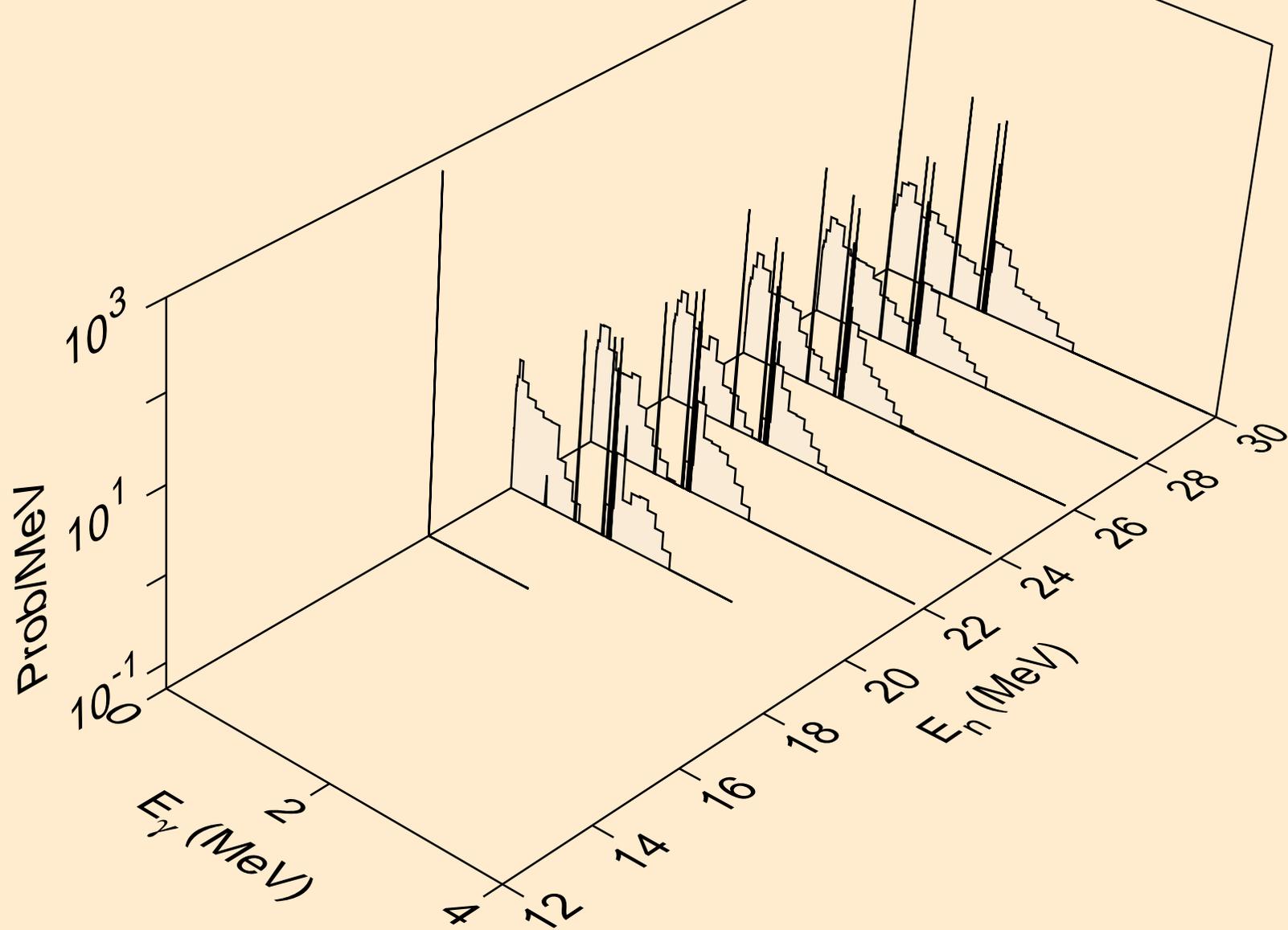Photon emission for (n,p)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
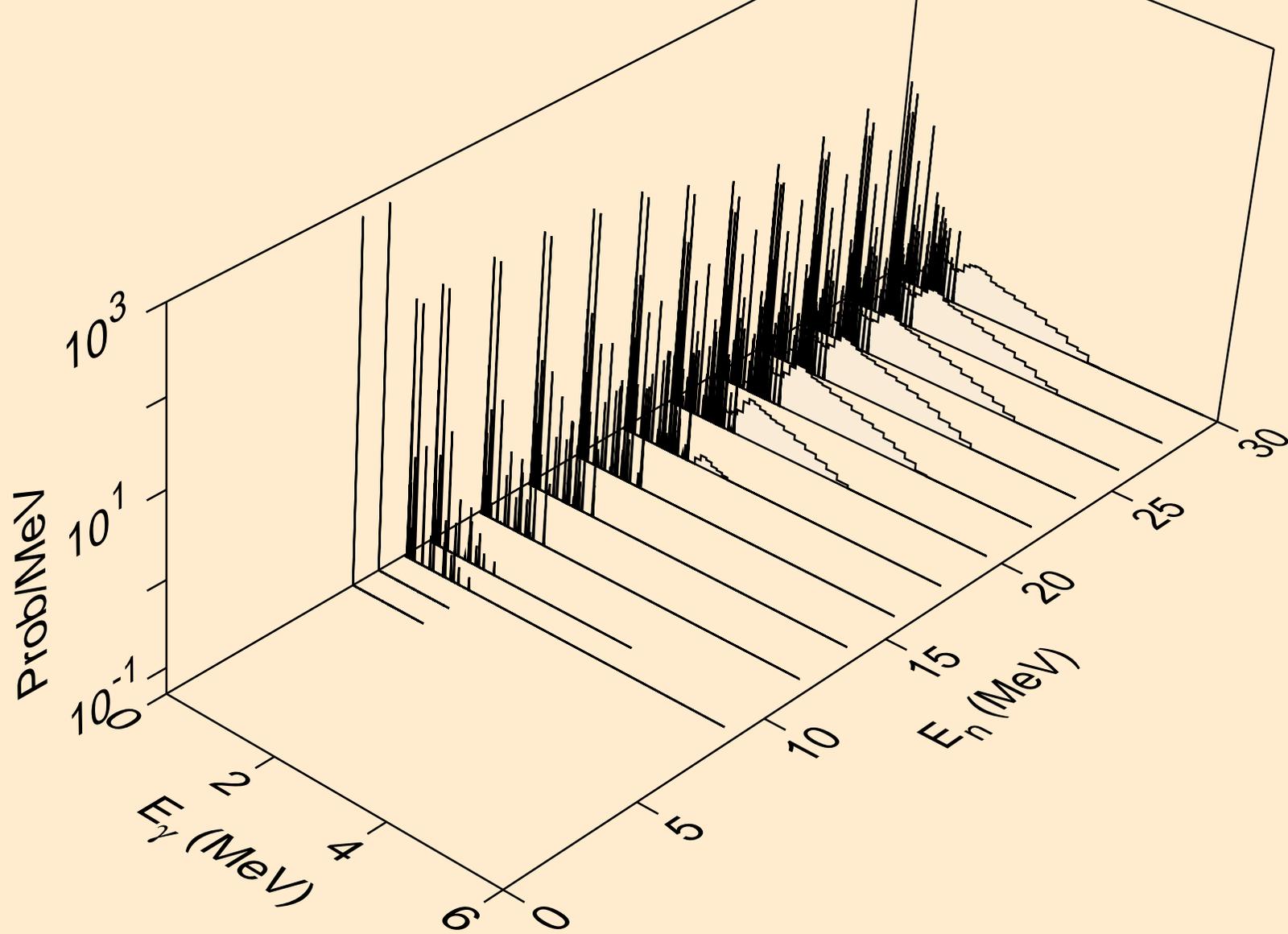Photon emission for (n,d)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
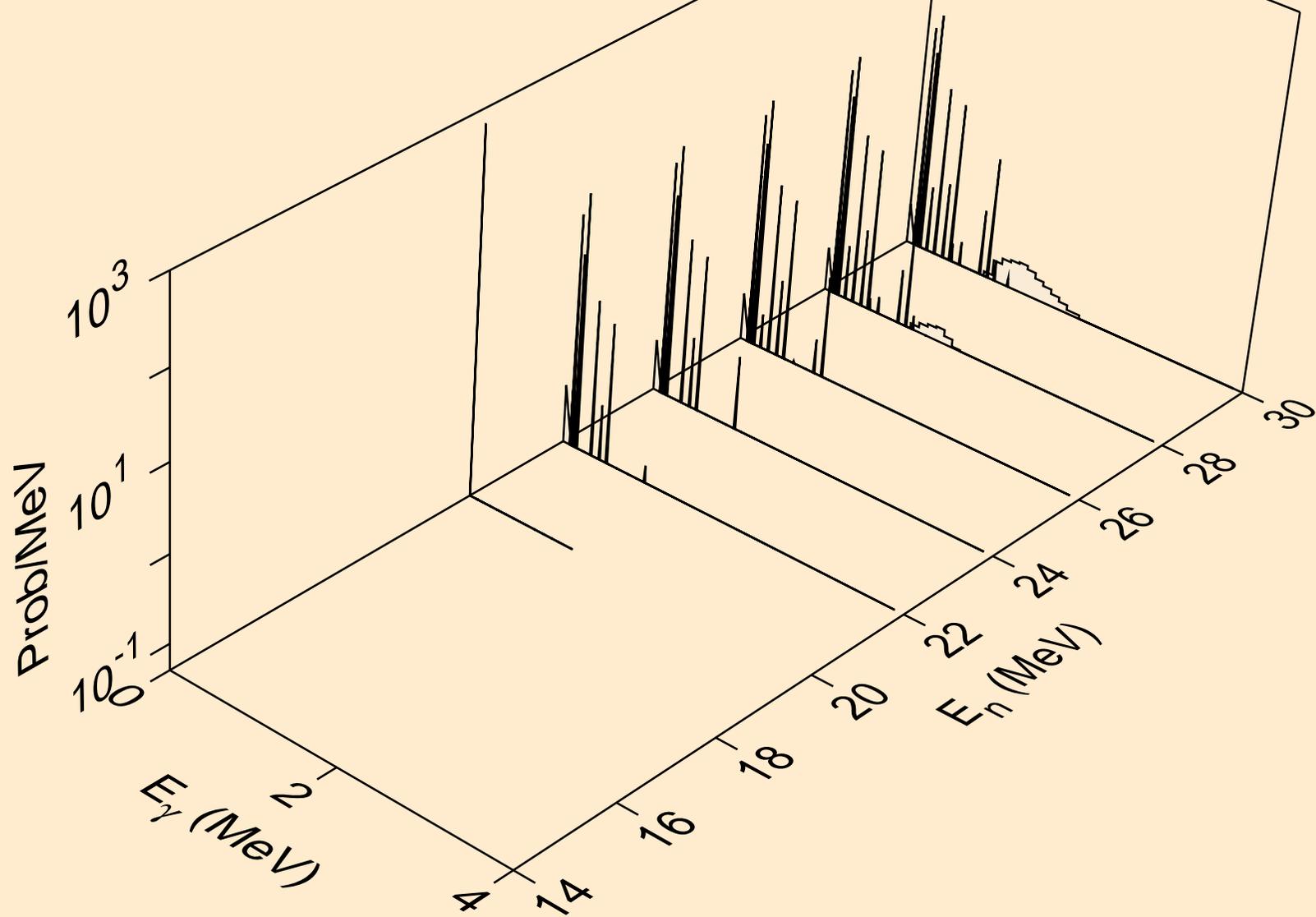Photon emission for (n,t)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
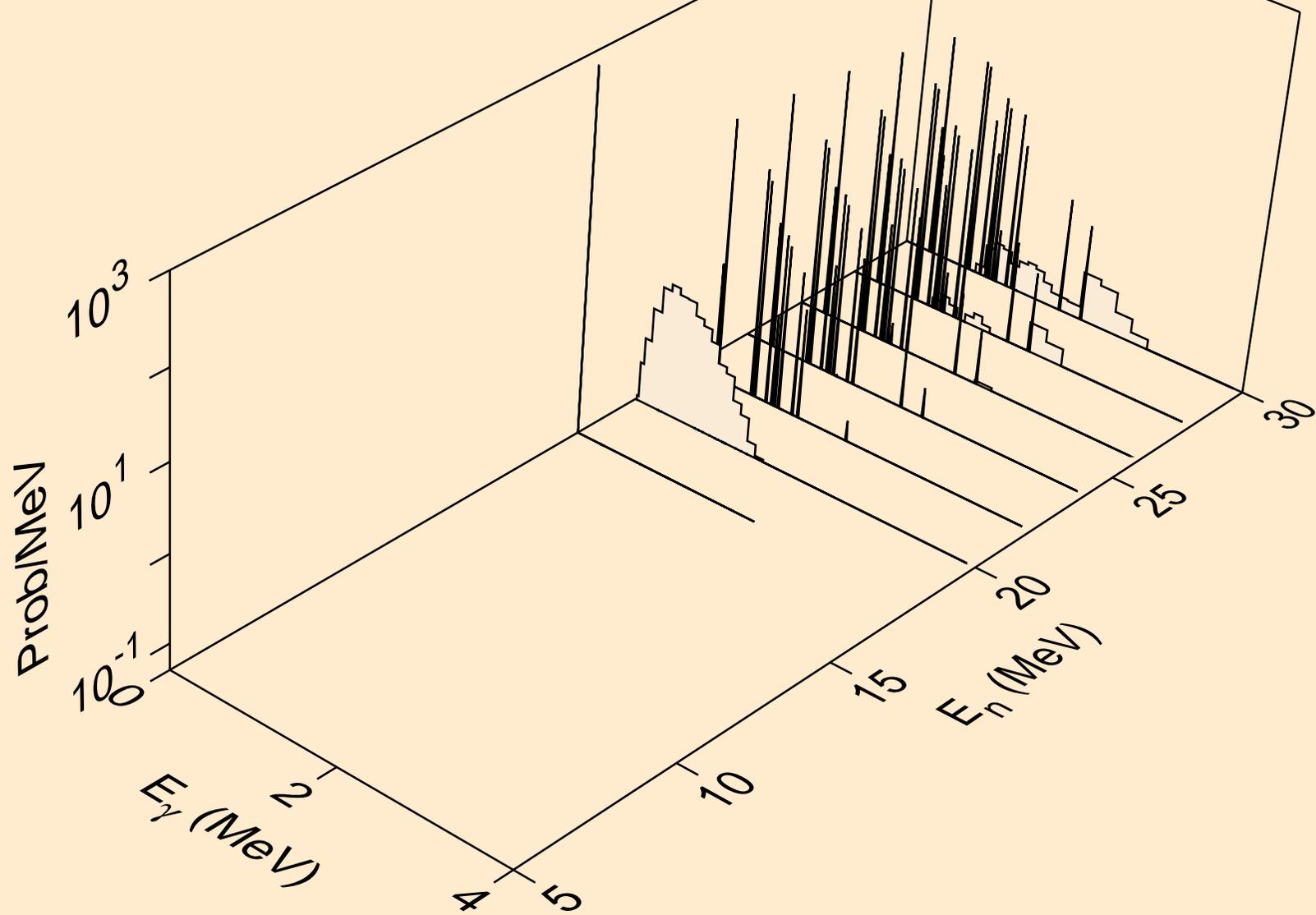Photon emission for (n,he3)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
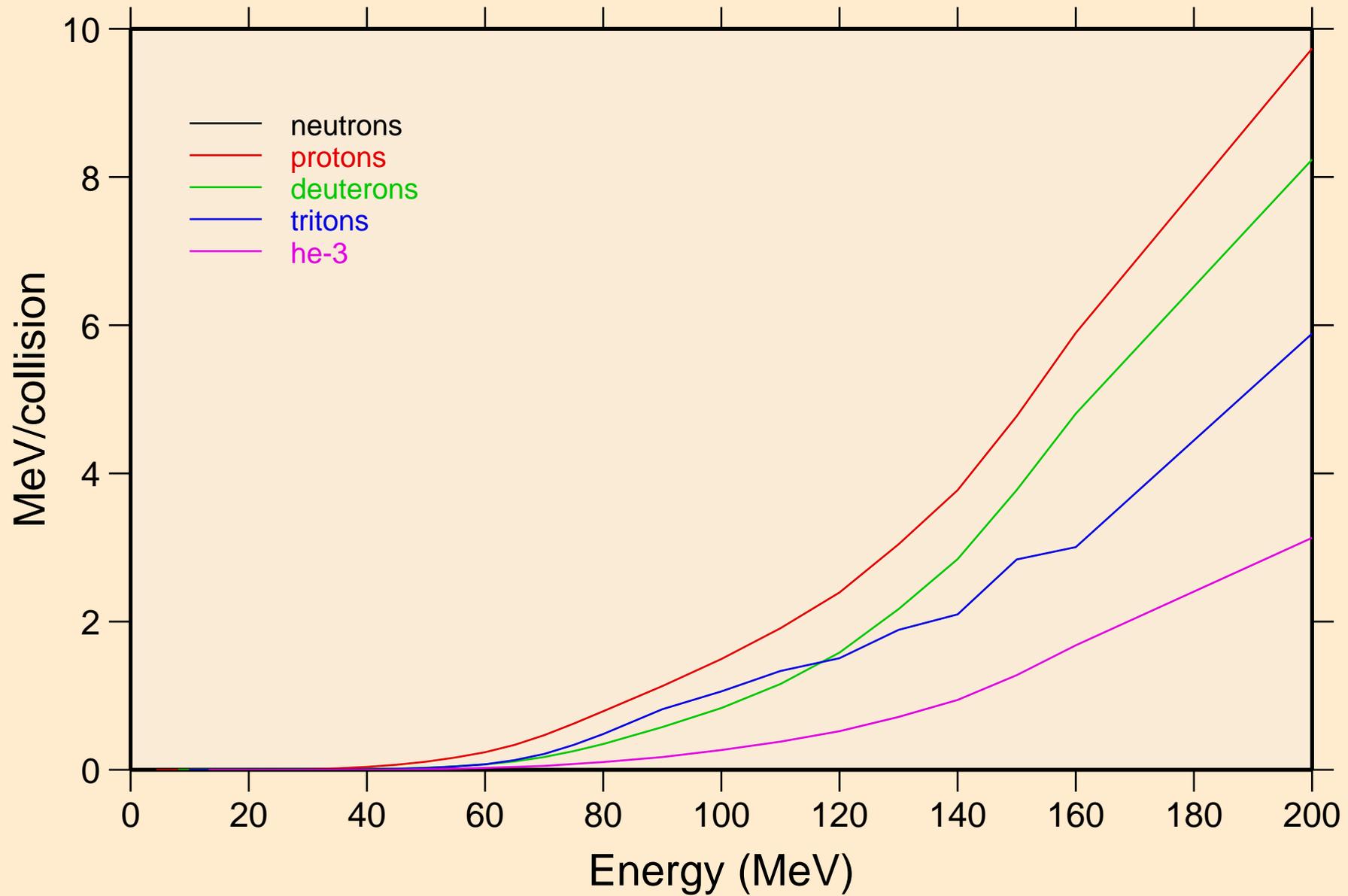Photon emission for inelastic

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
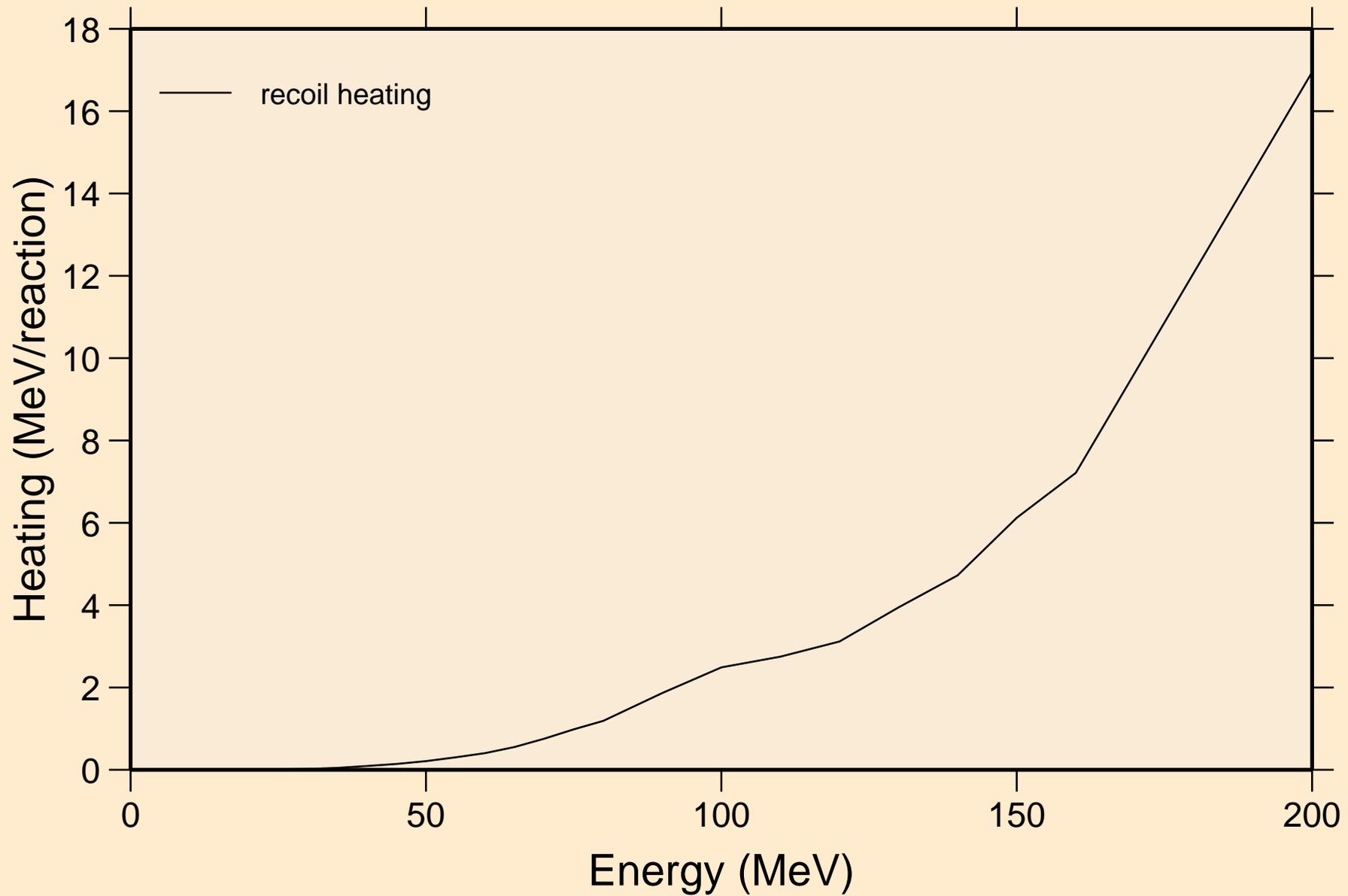Photon emission for (n,2p)

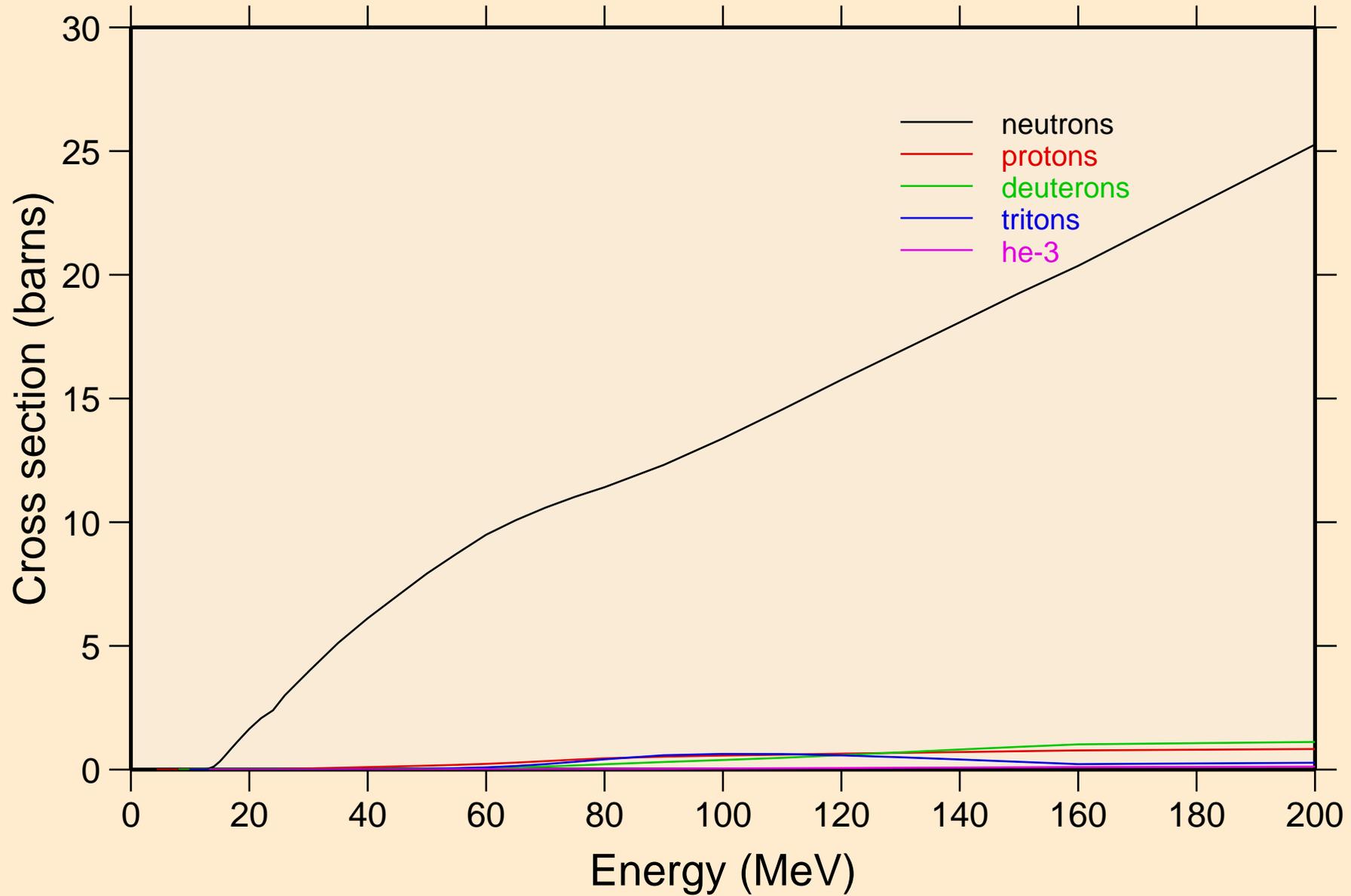SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pa)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
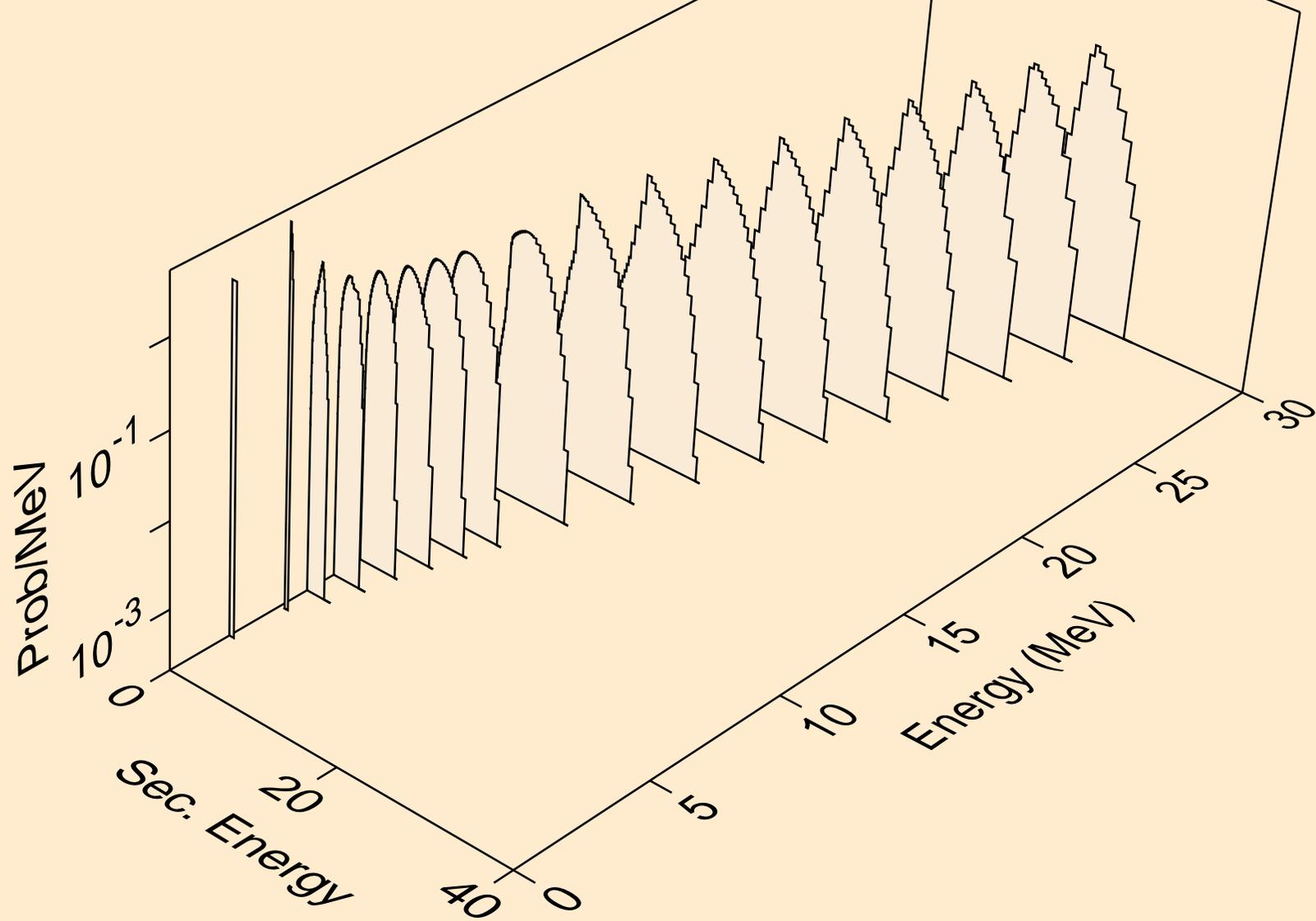Particle heating contributions

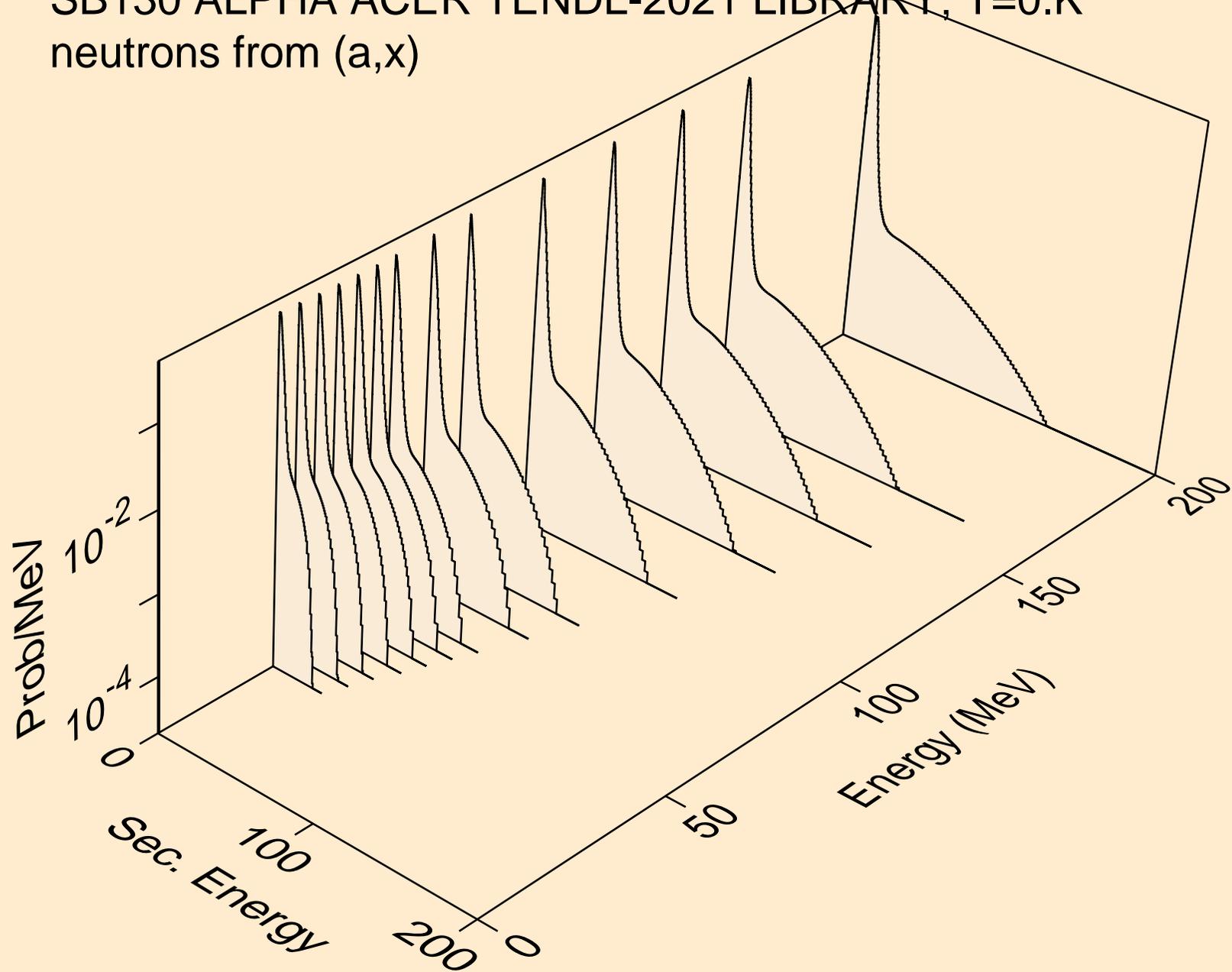SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Recoil Heating

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
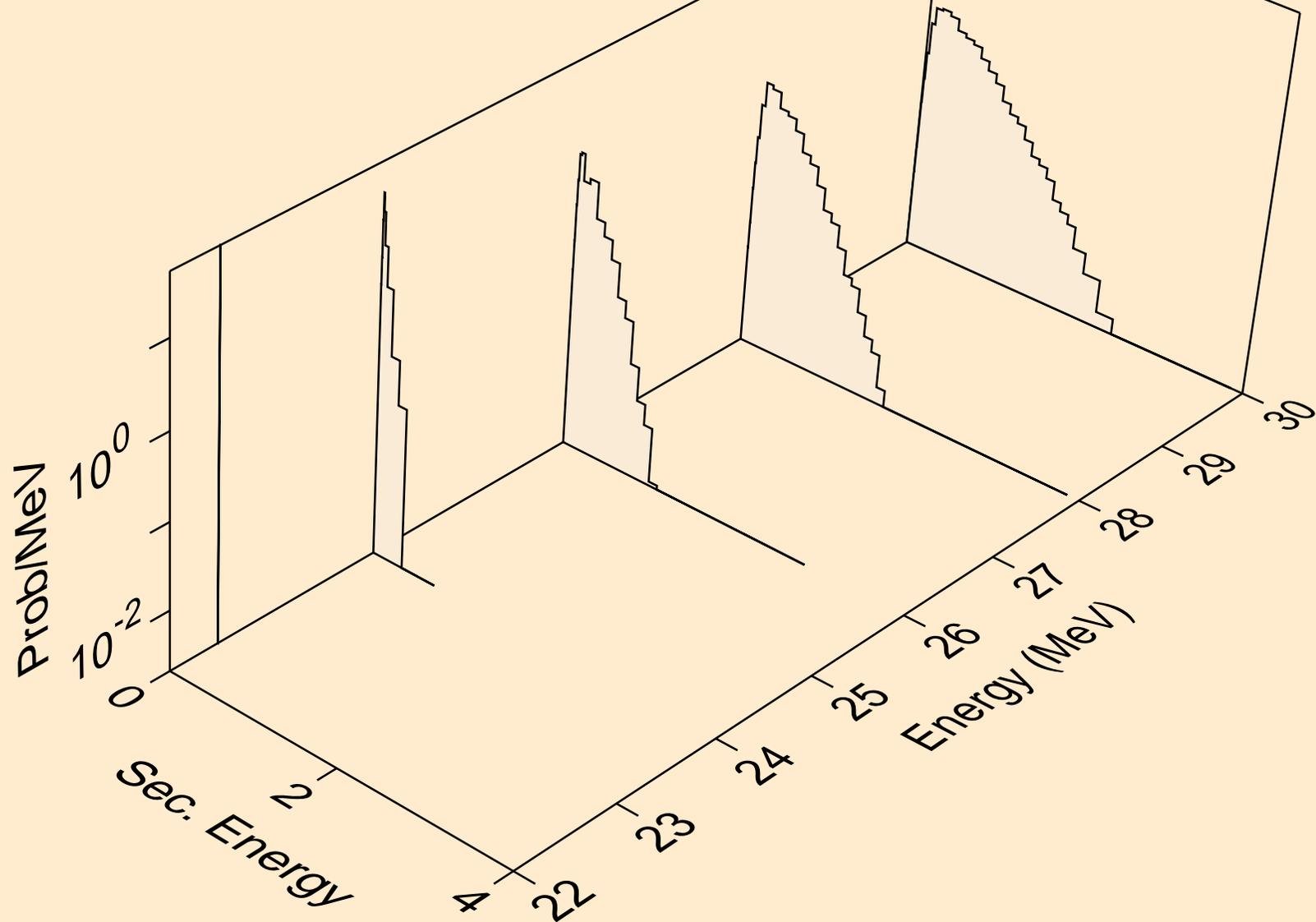Particle production cross sections

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n)

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy

20

40

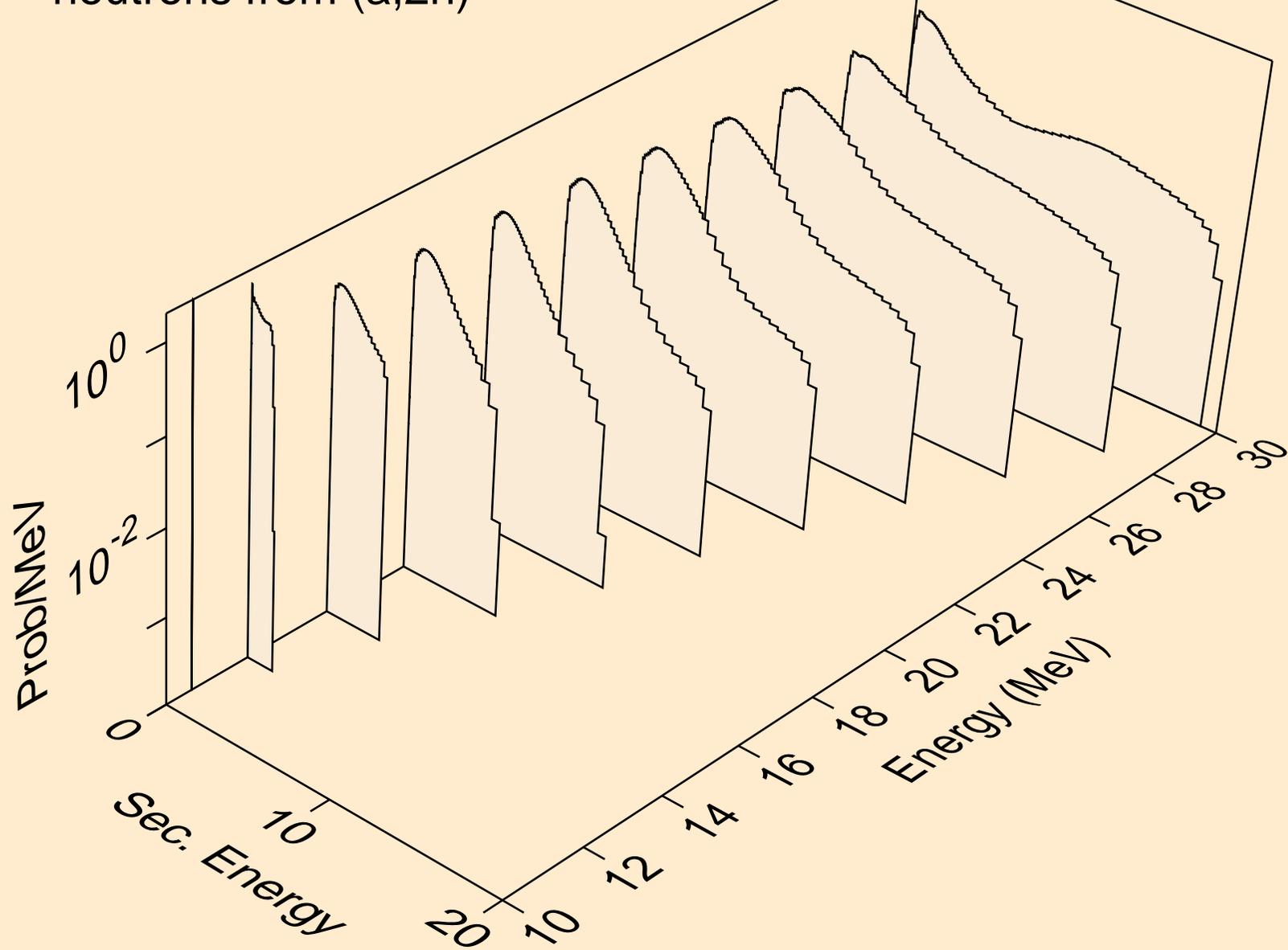Energy (MeV)

0

5

10

15

20

25

30

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
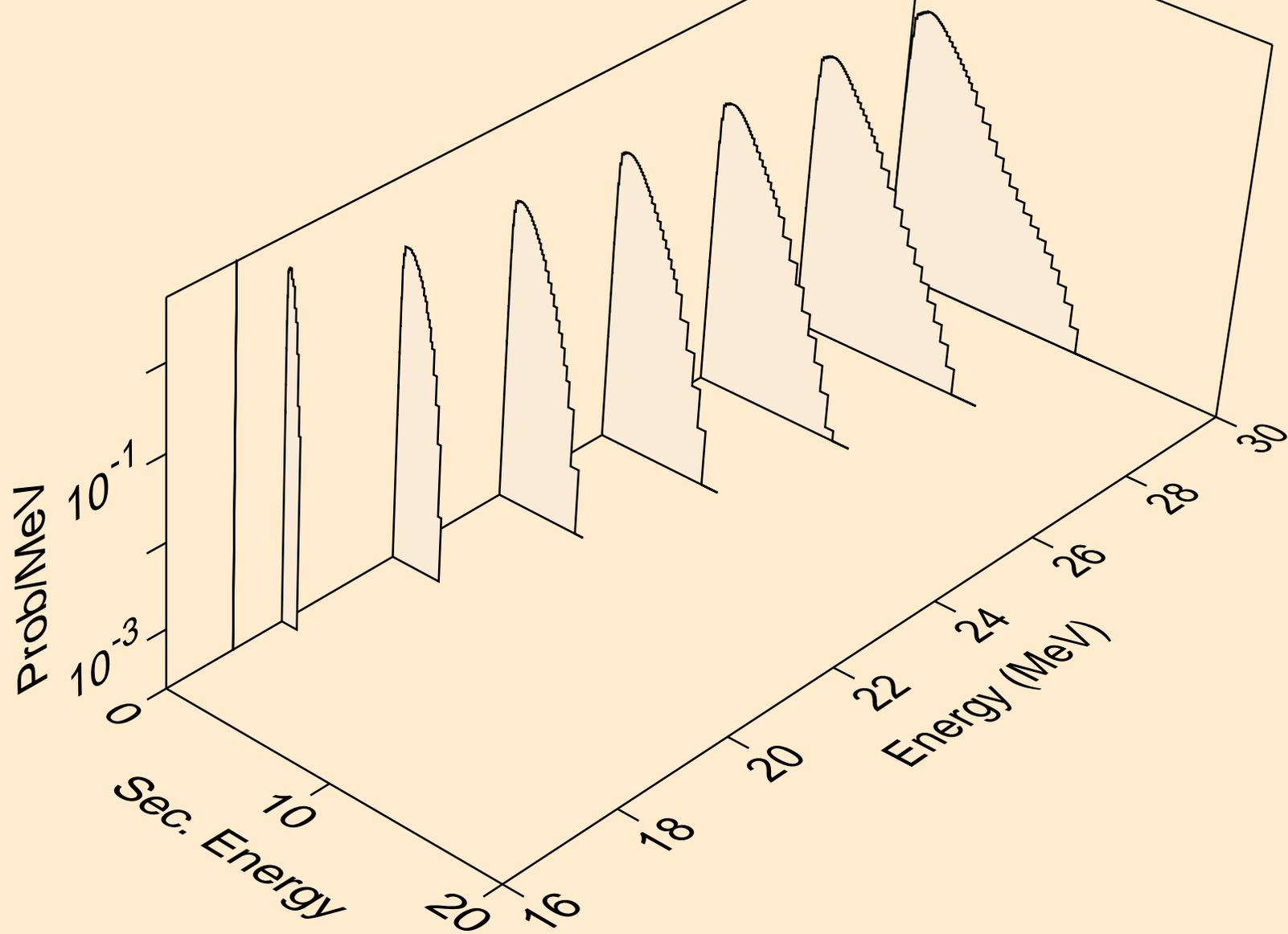neutrons from (a,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
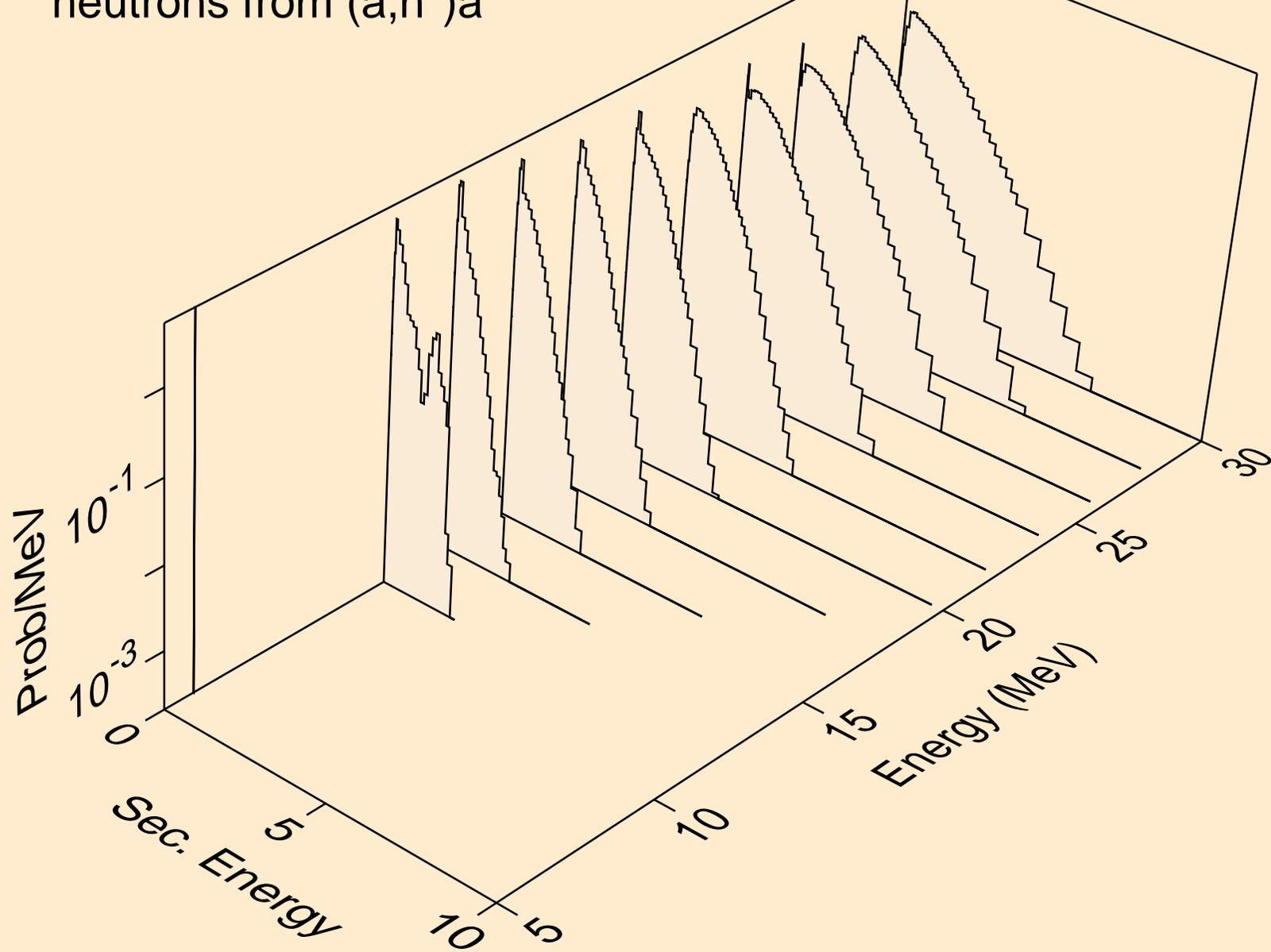neutrons from (a,2nd)

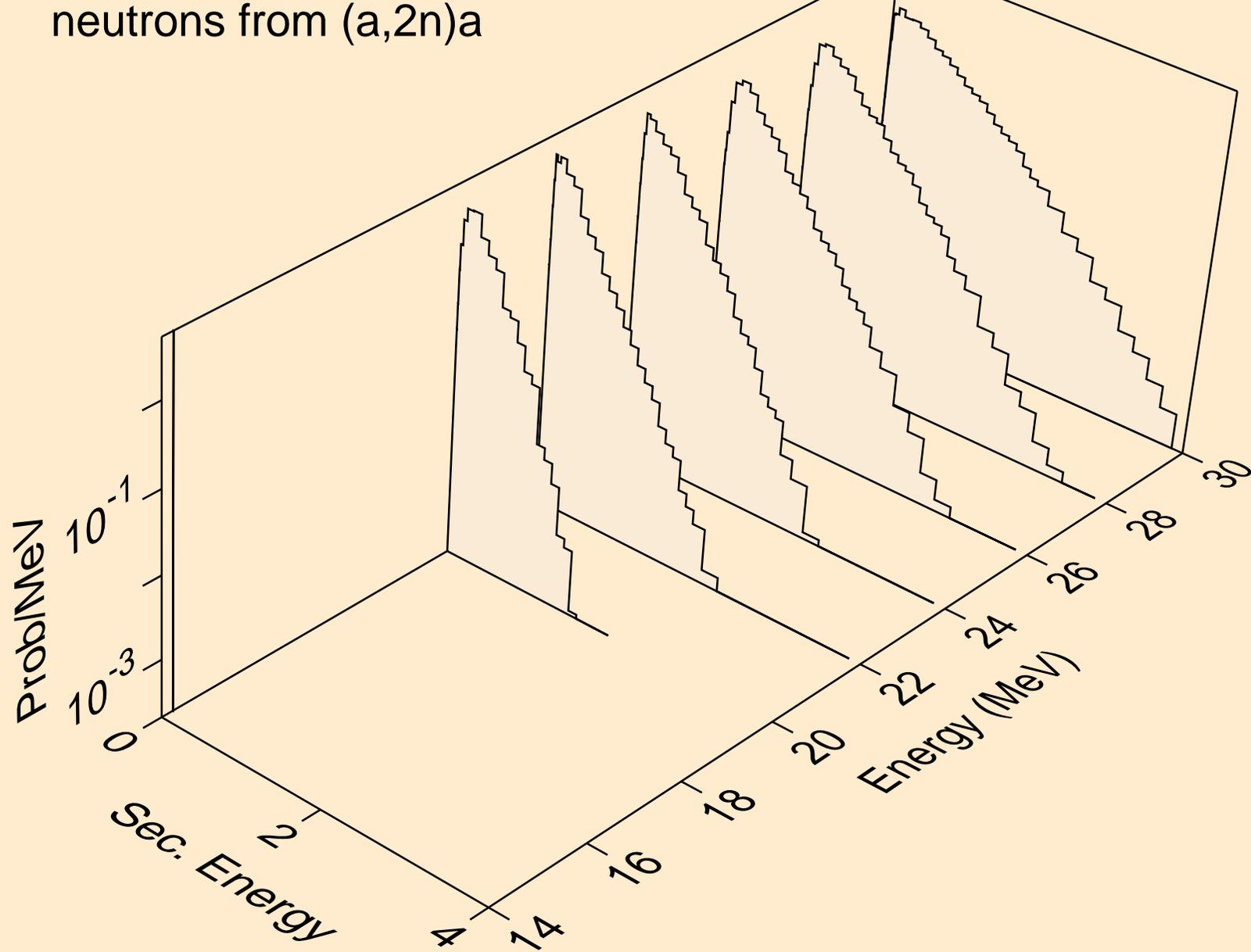SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,3n)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)a

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)a

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy
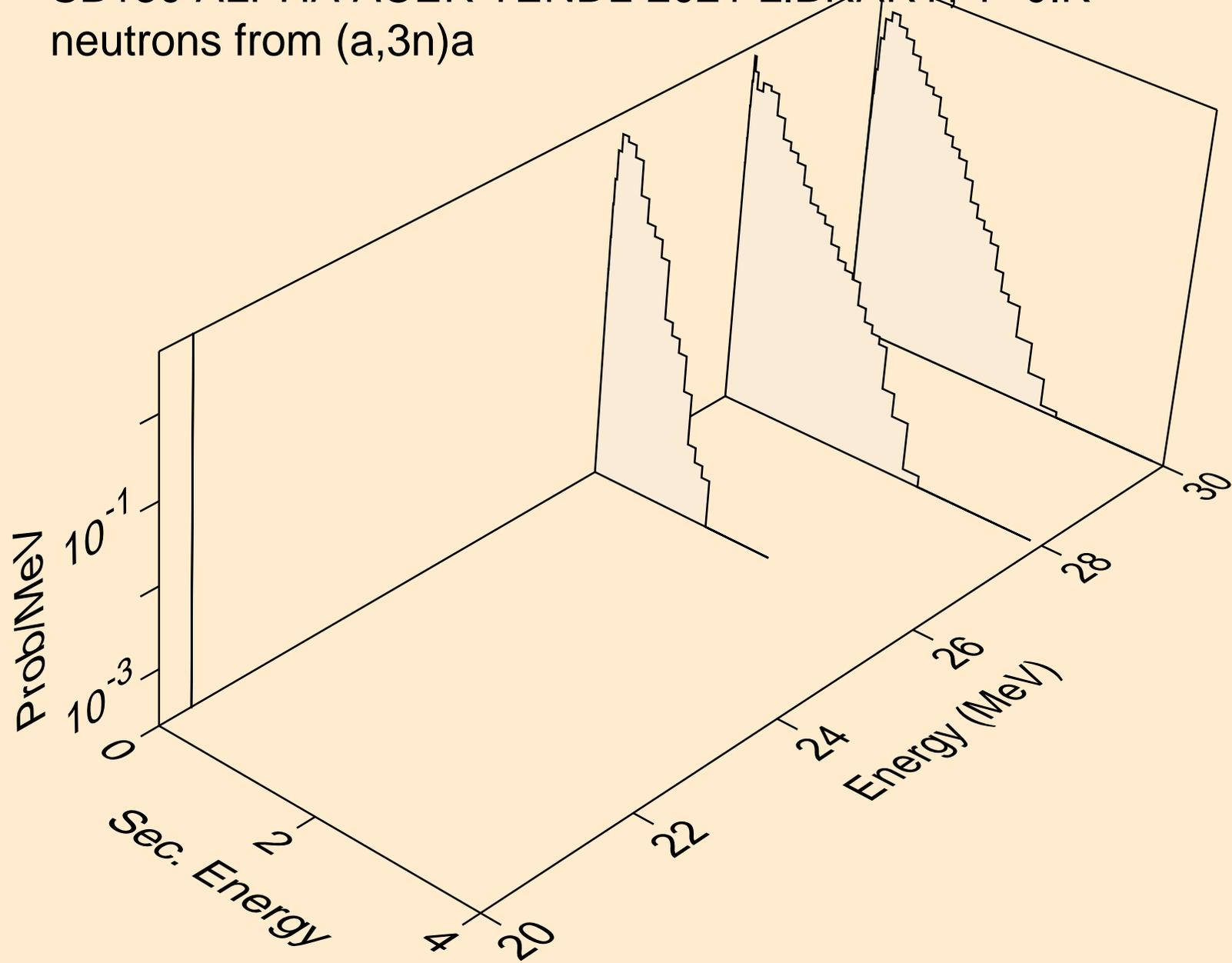
2

4

14

16

18

20

22

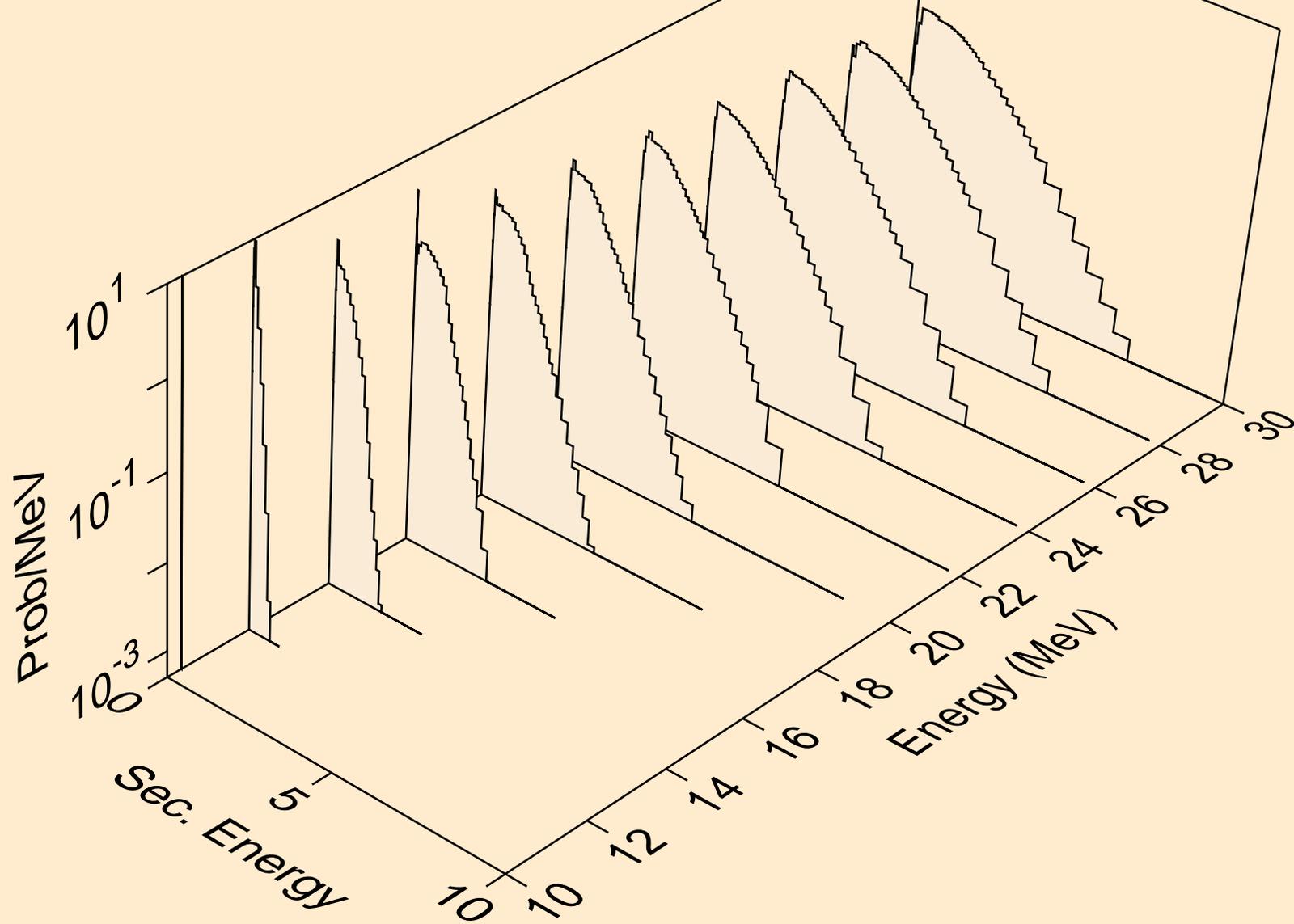24

26

28

30

Energy (MeV)

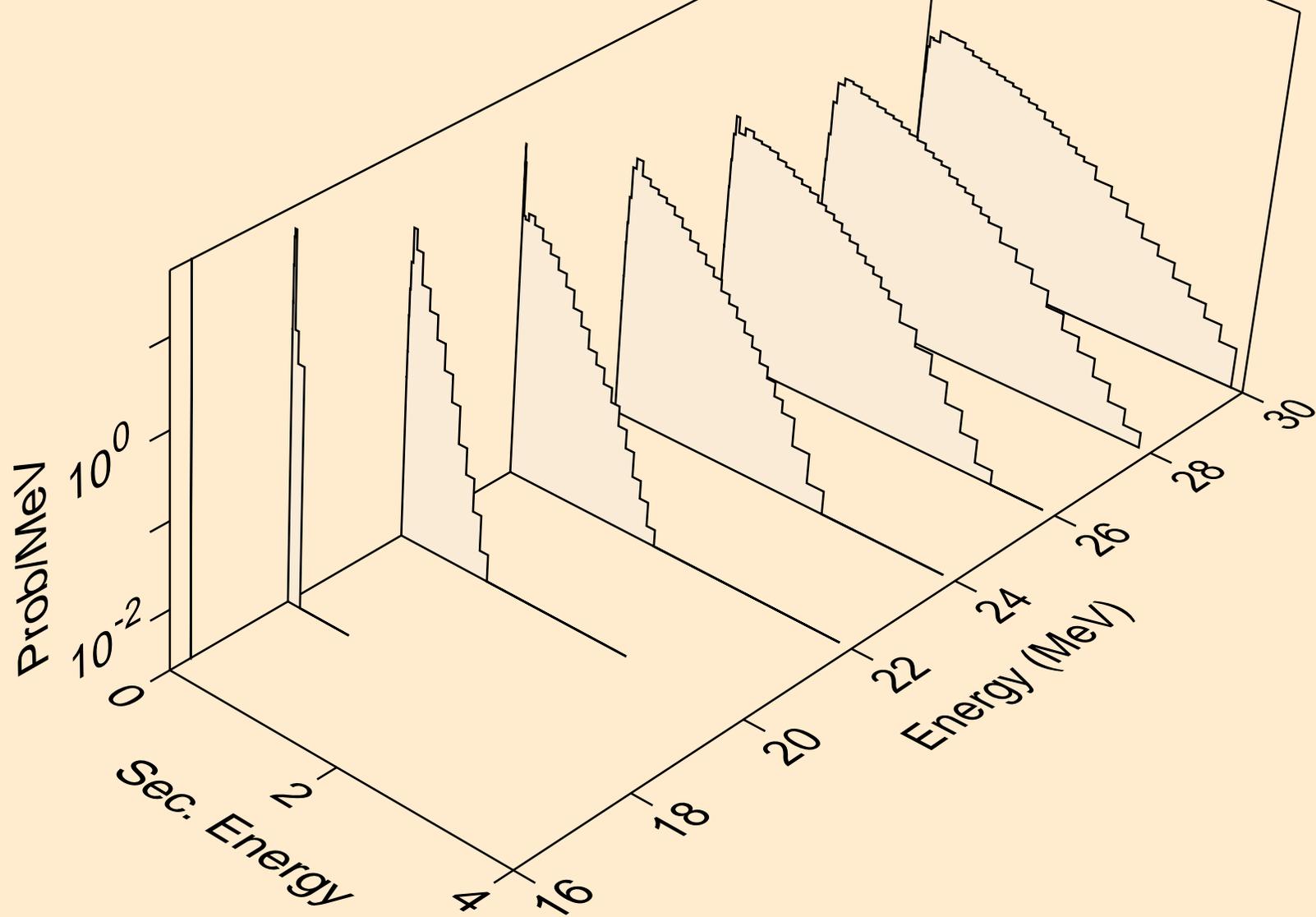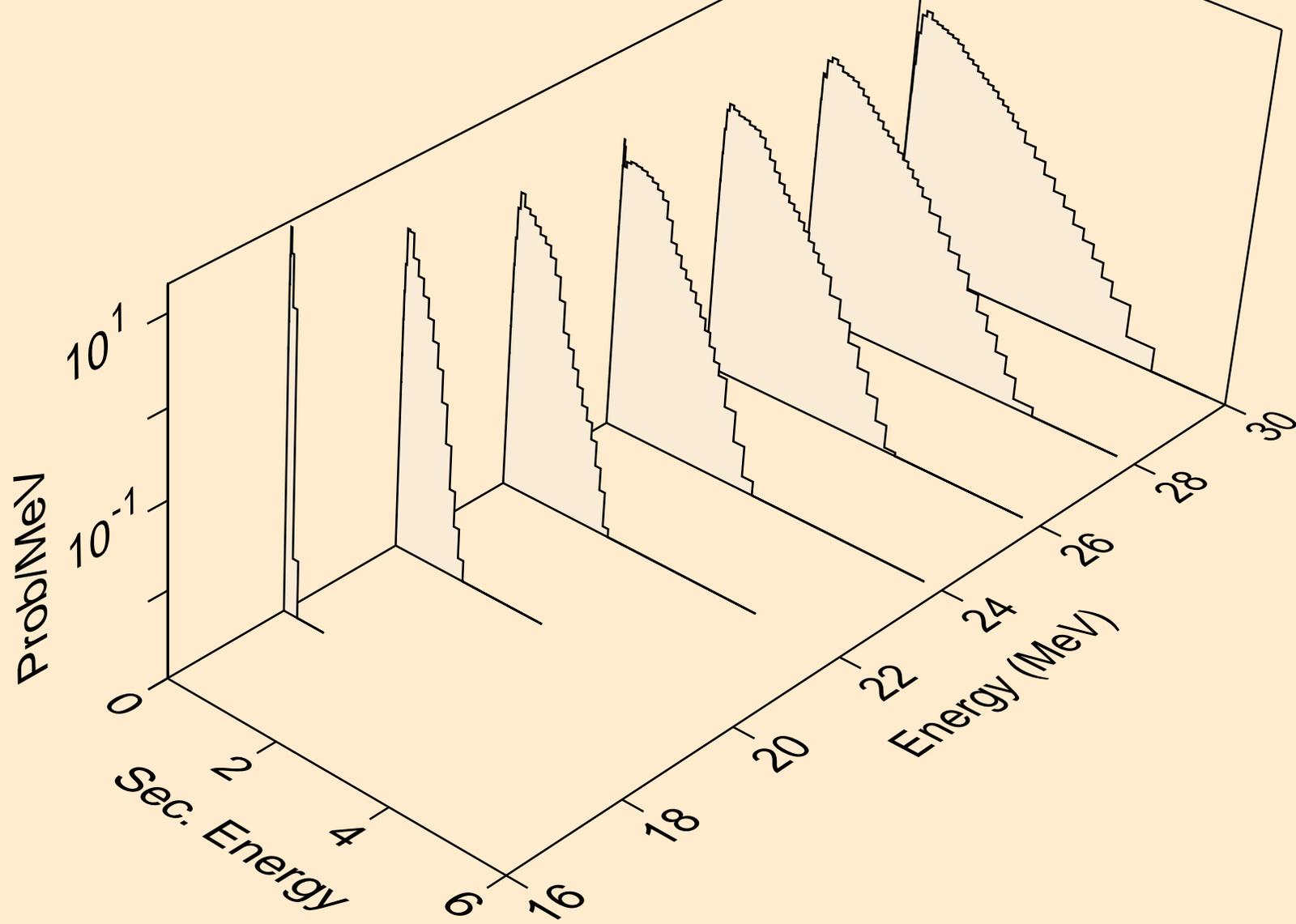SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,3n)a

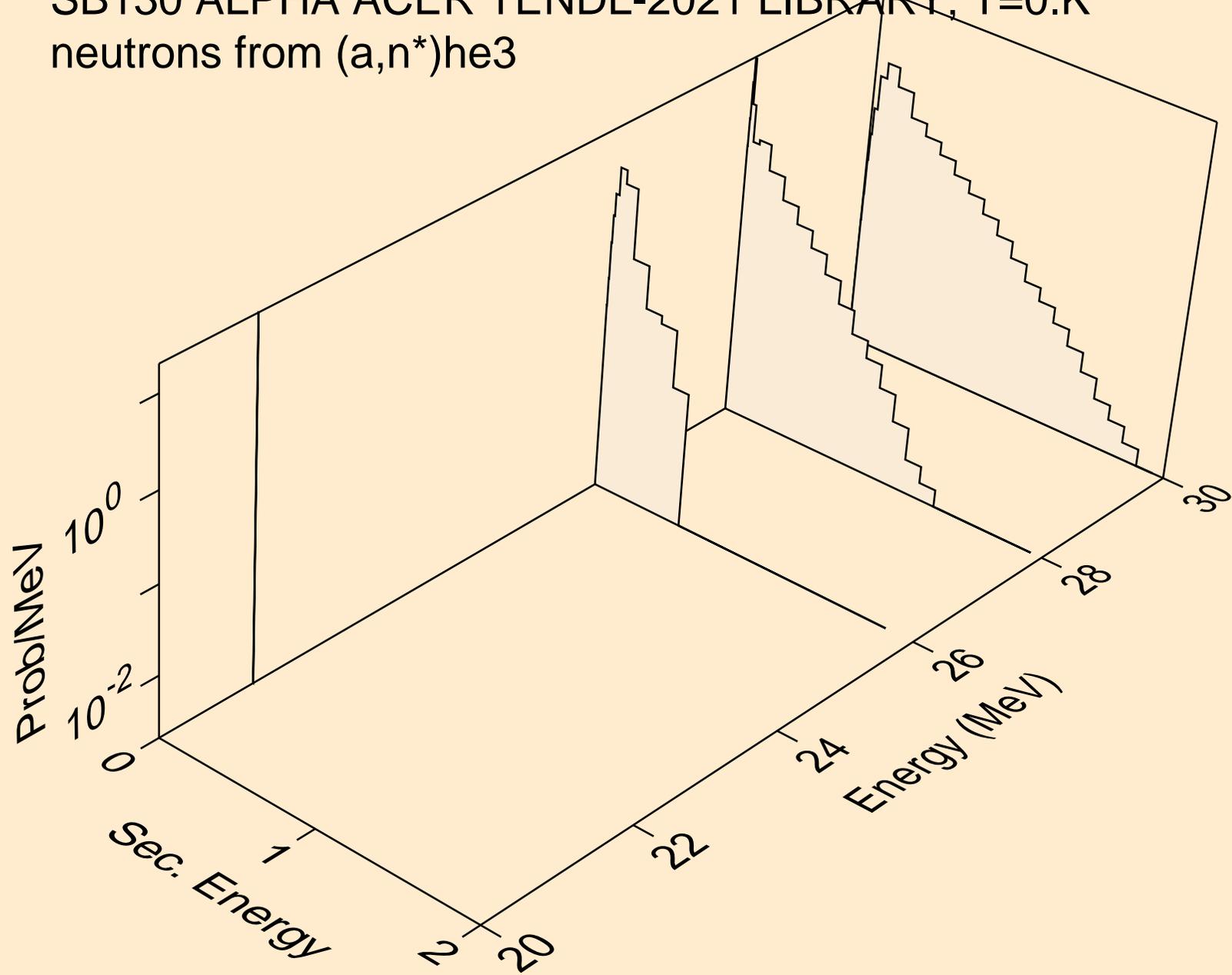SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)p

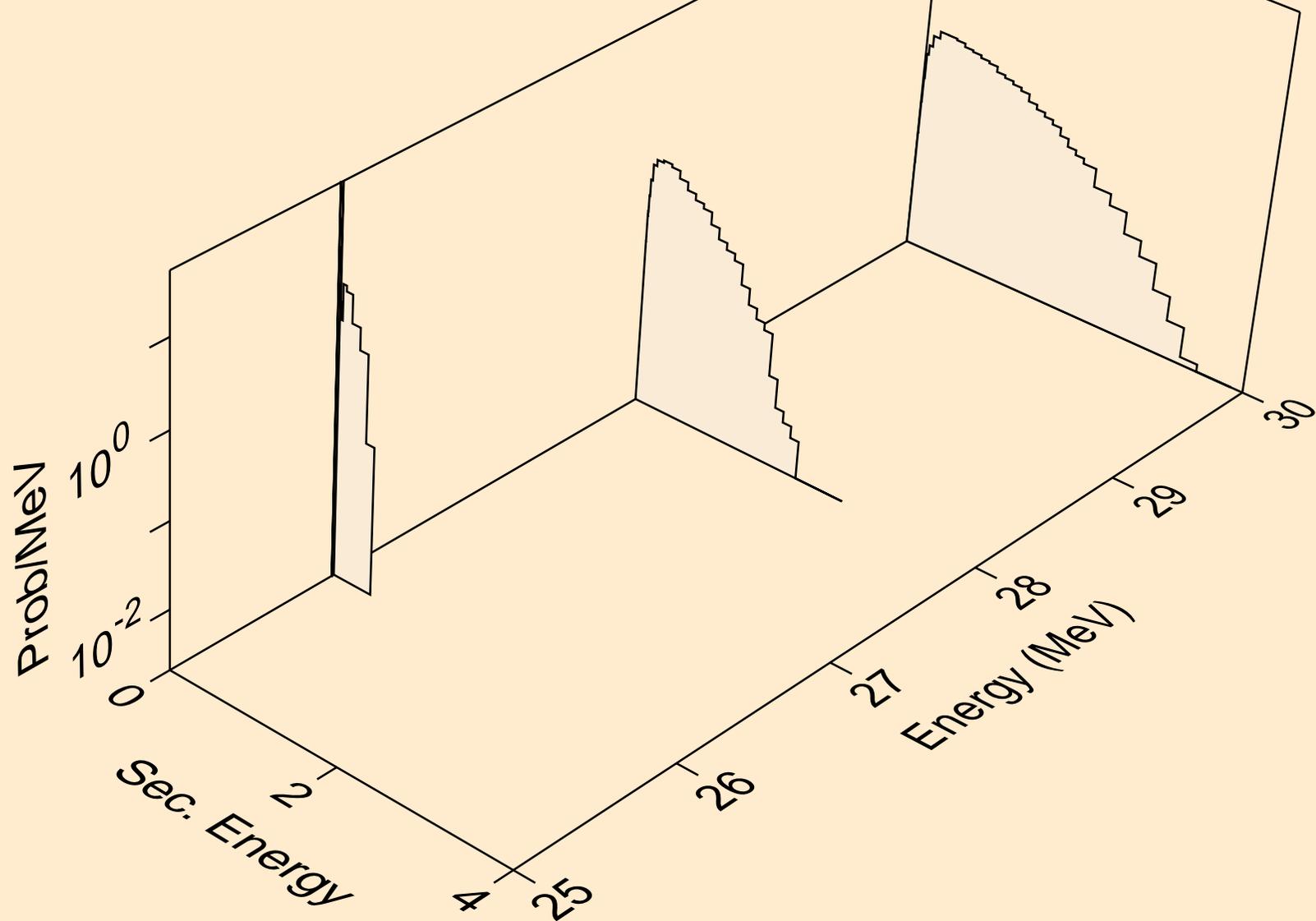SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)d

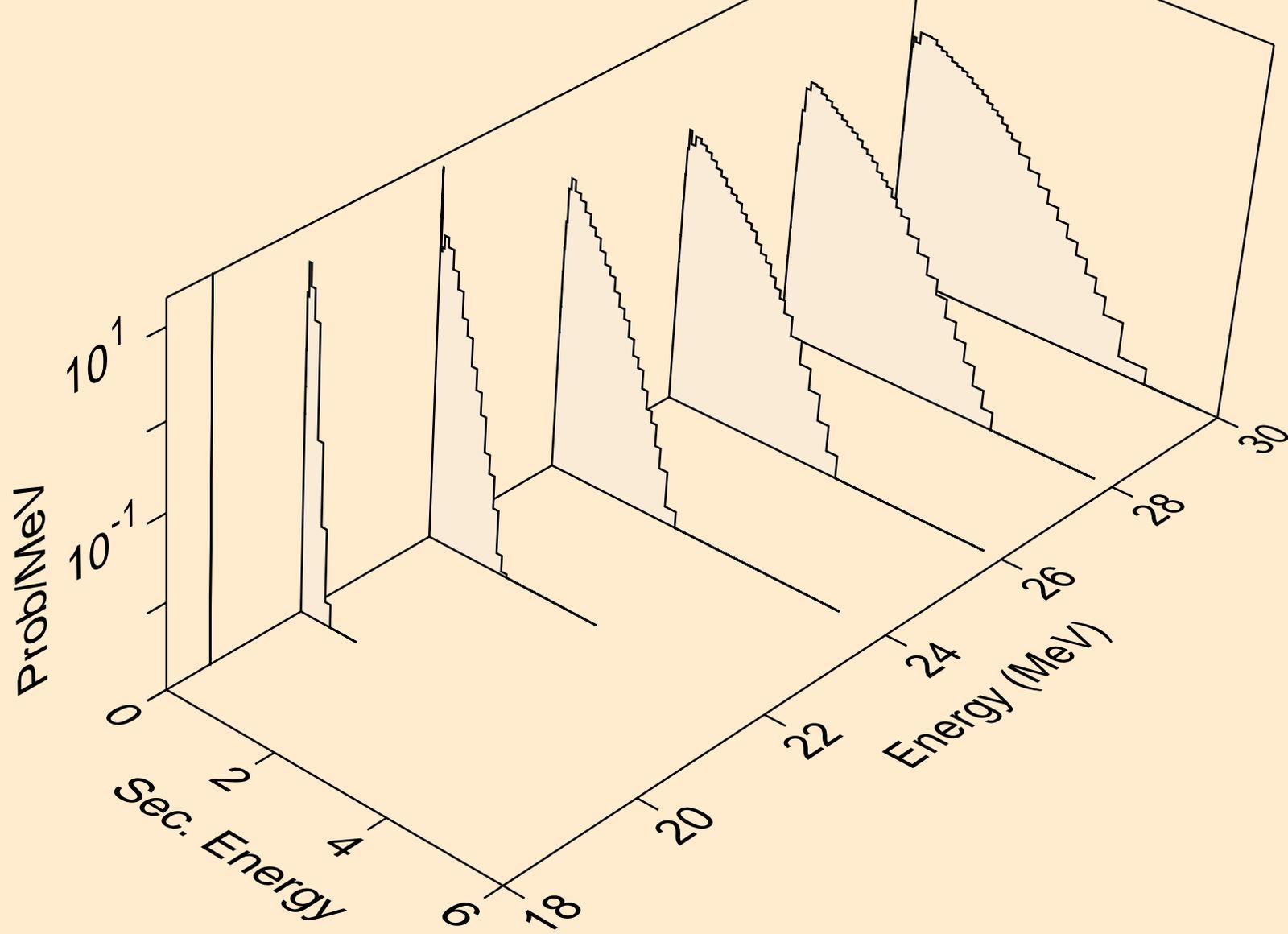SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)t

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
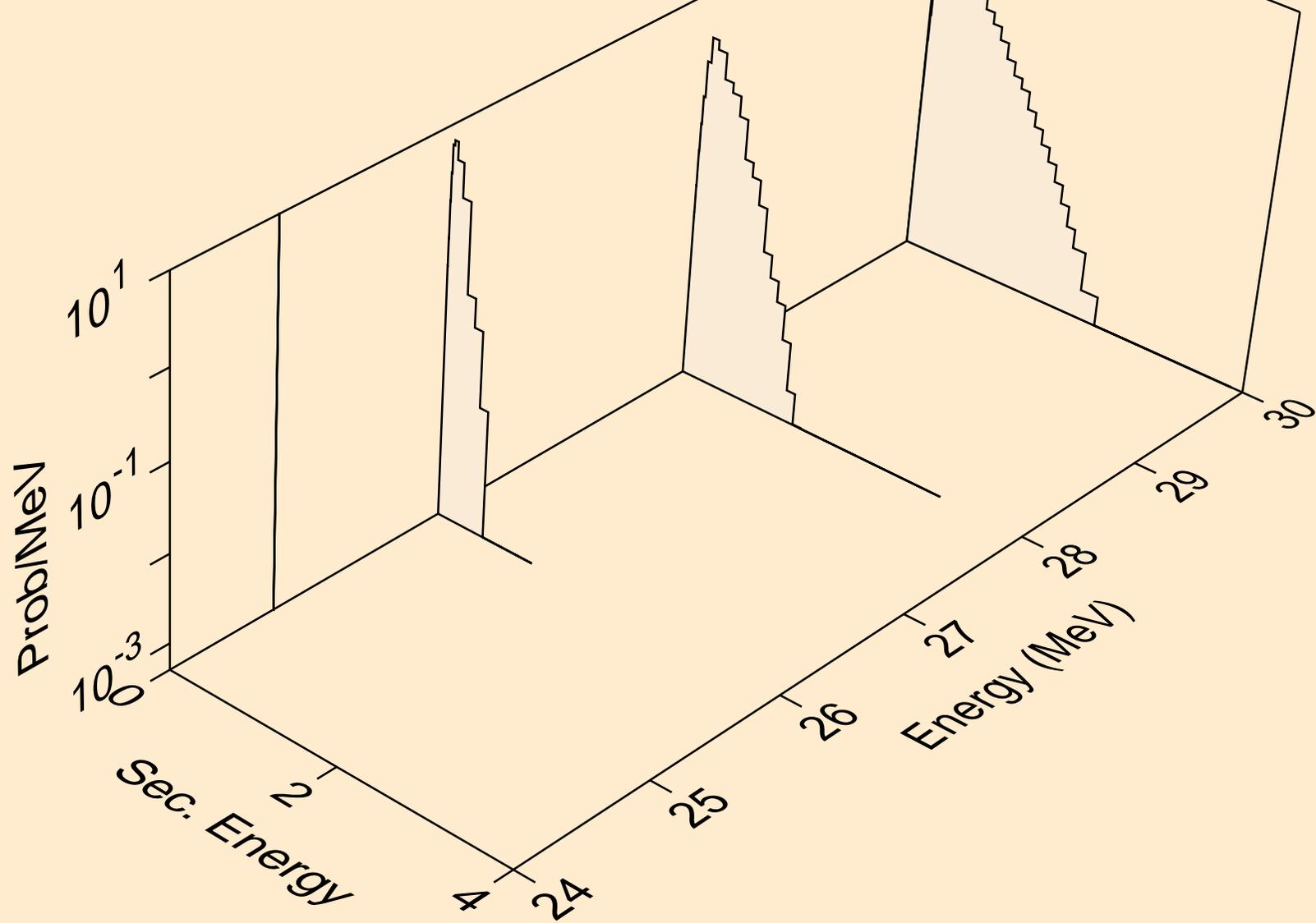neutrons from (a,n*)he3

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
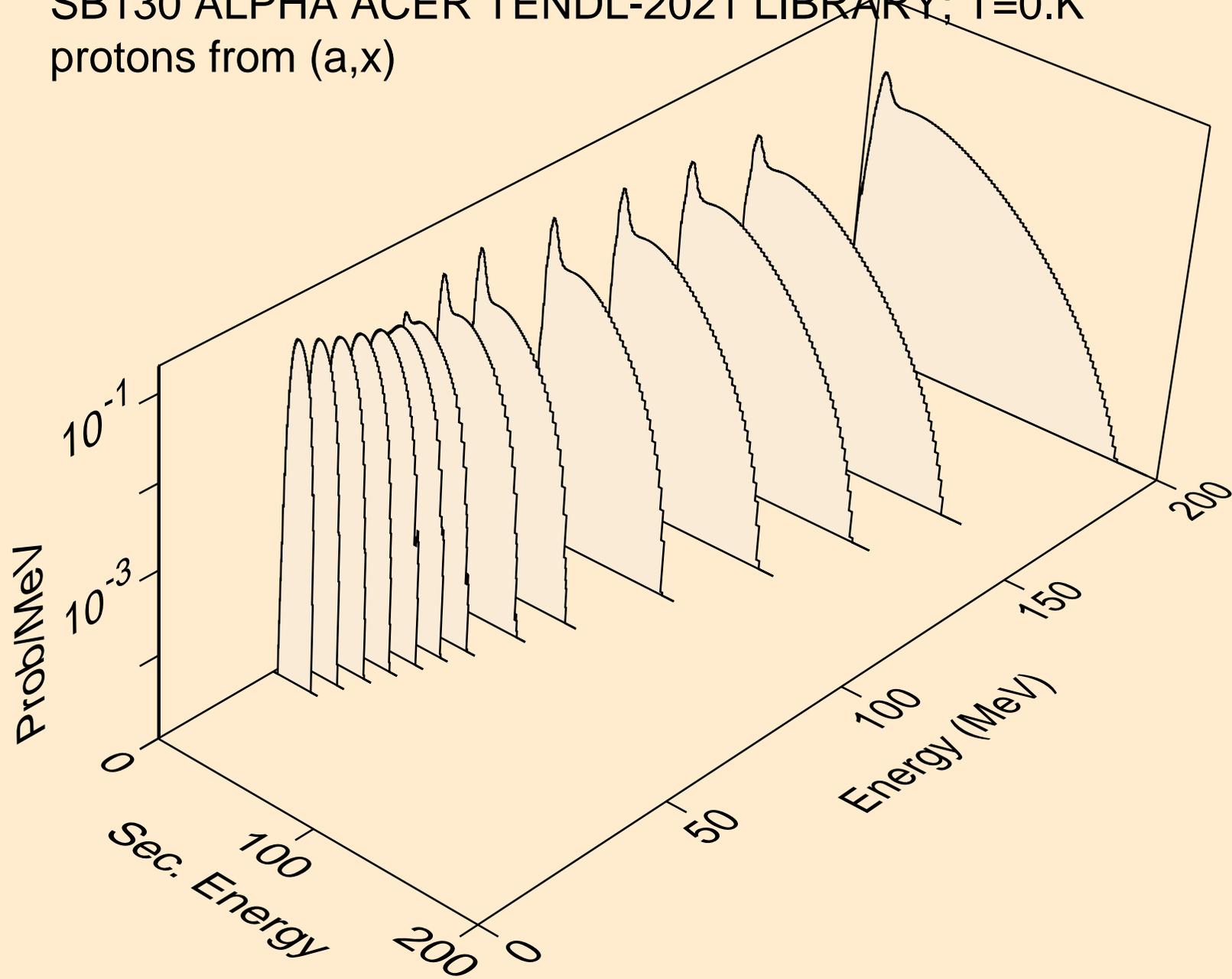neutrons from (a,4n)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
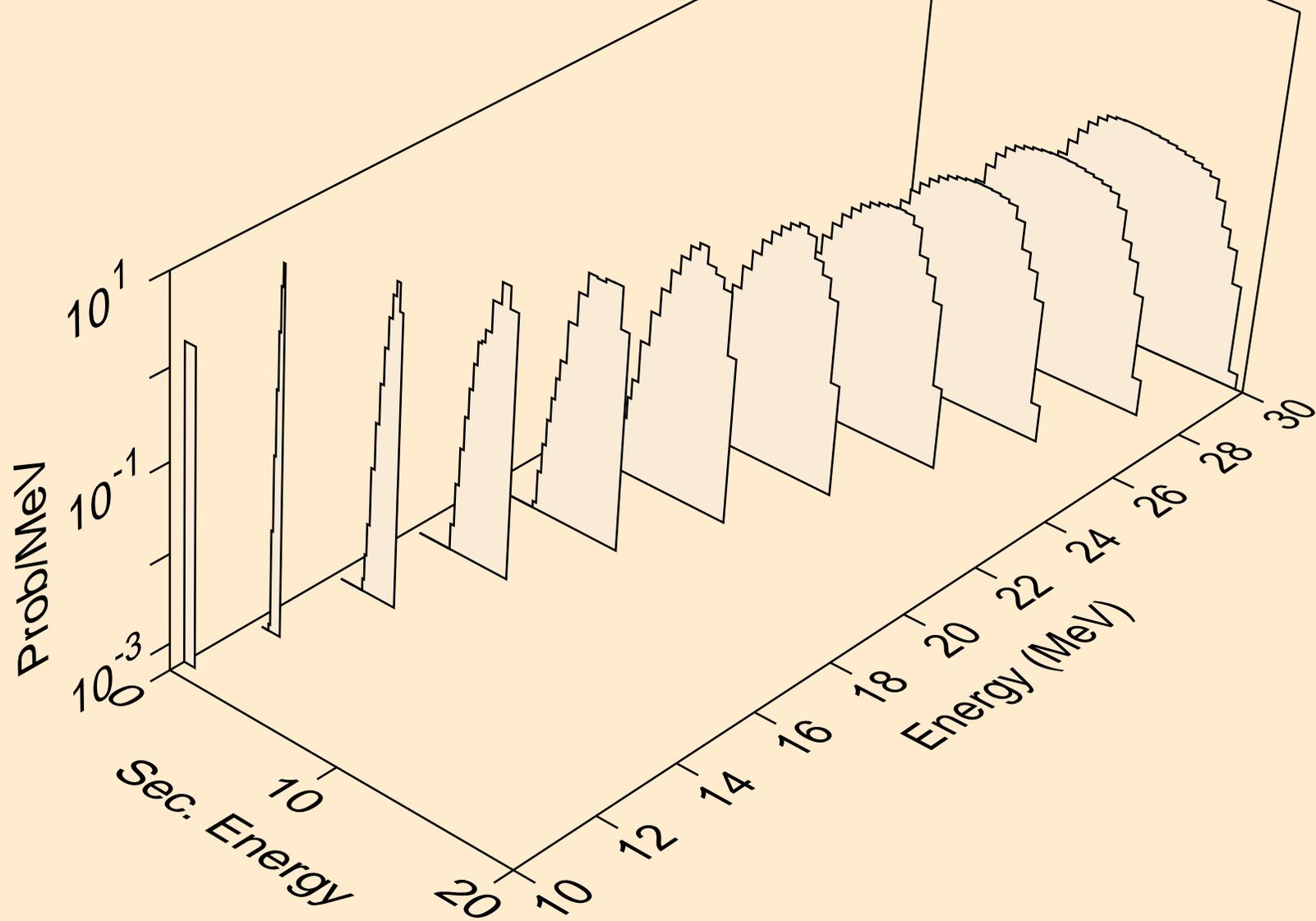neutrons from (a,2np)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
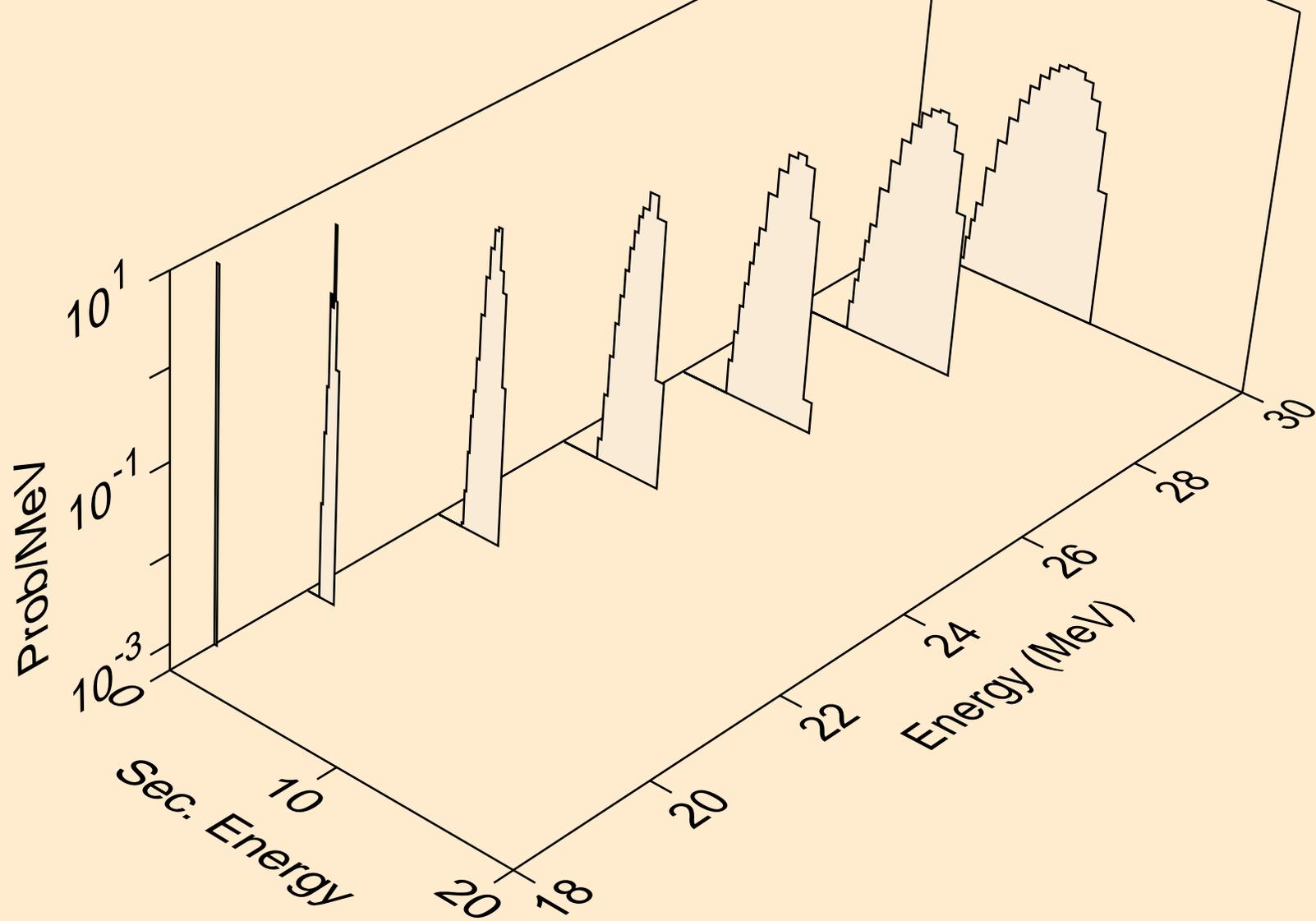neutrons from (a,3np)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
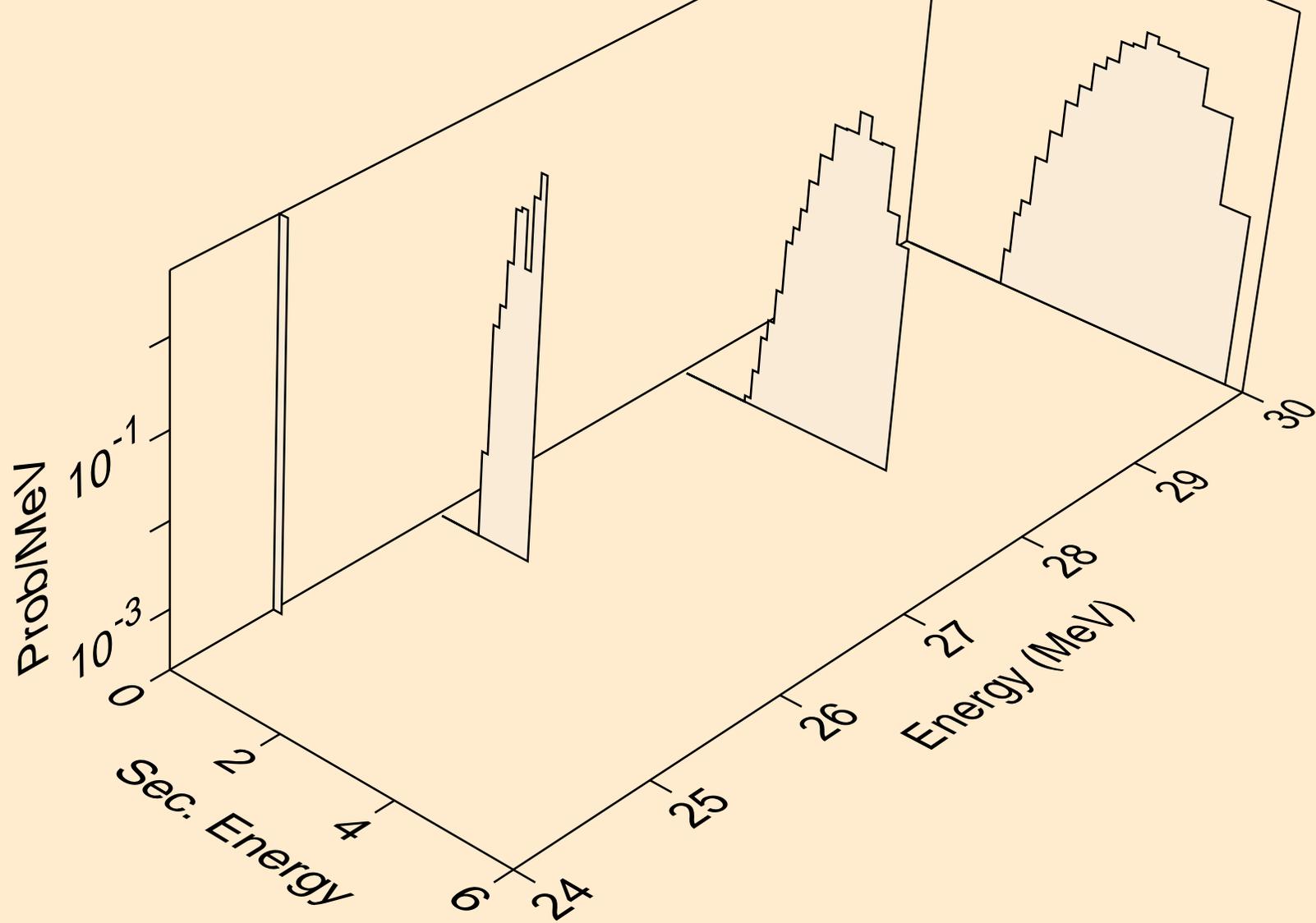protons from (a,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
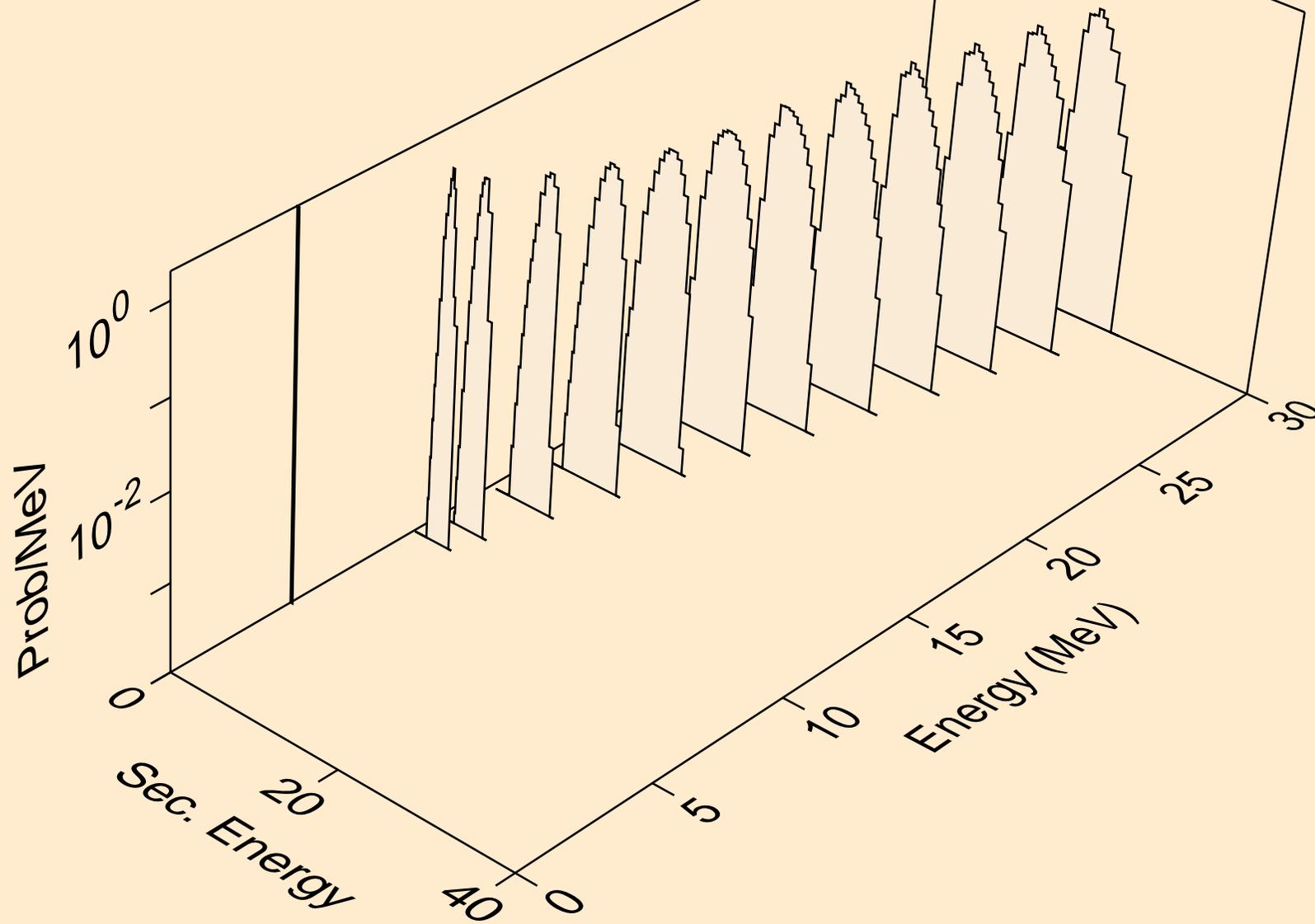protons from (a,n*)p

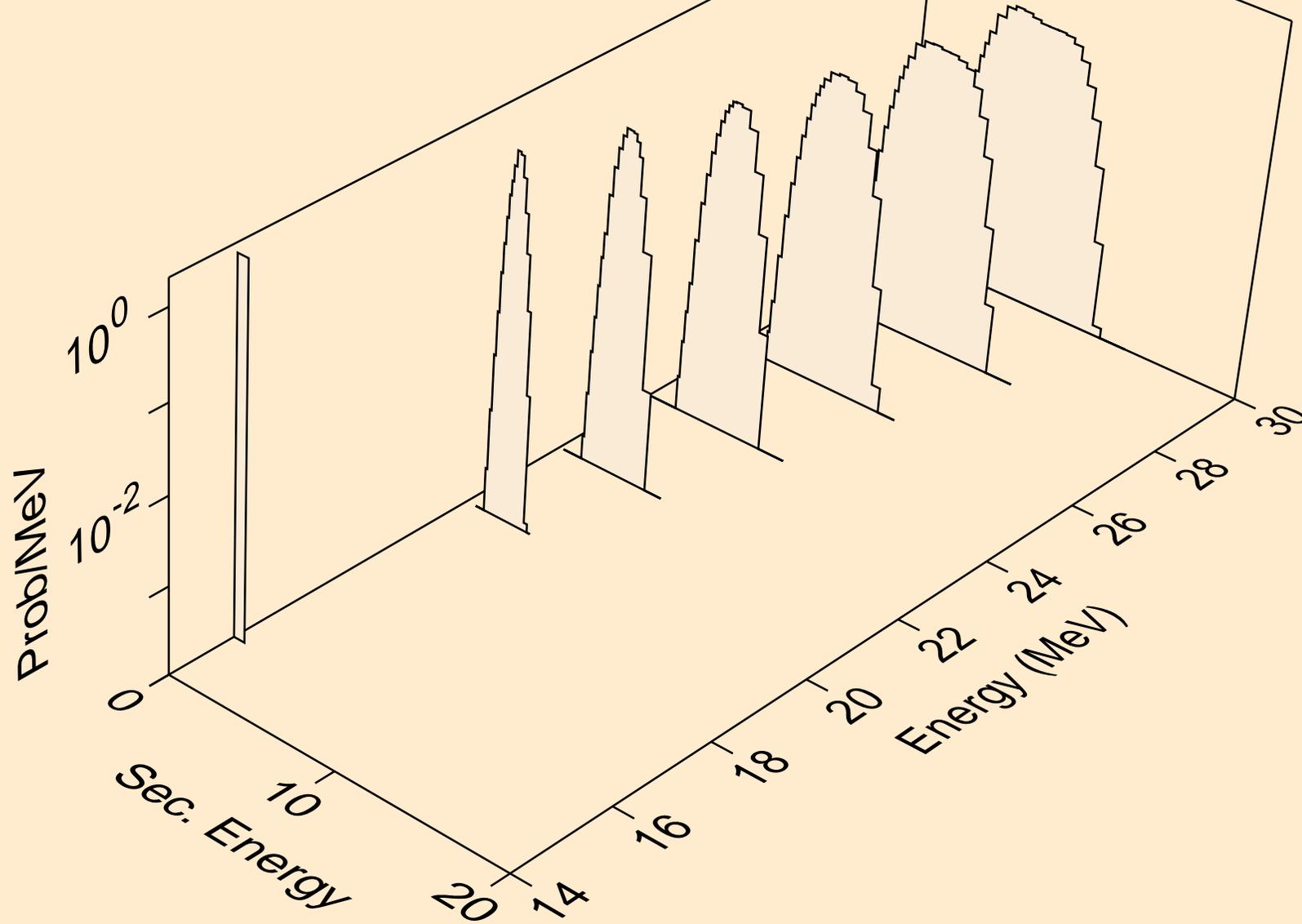SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,2np)

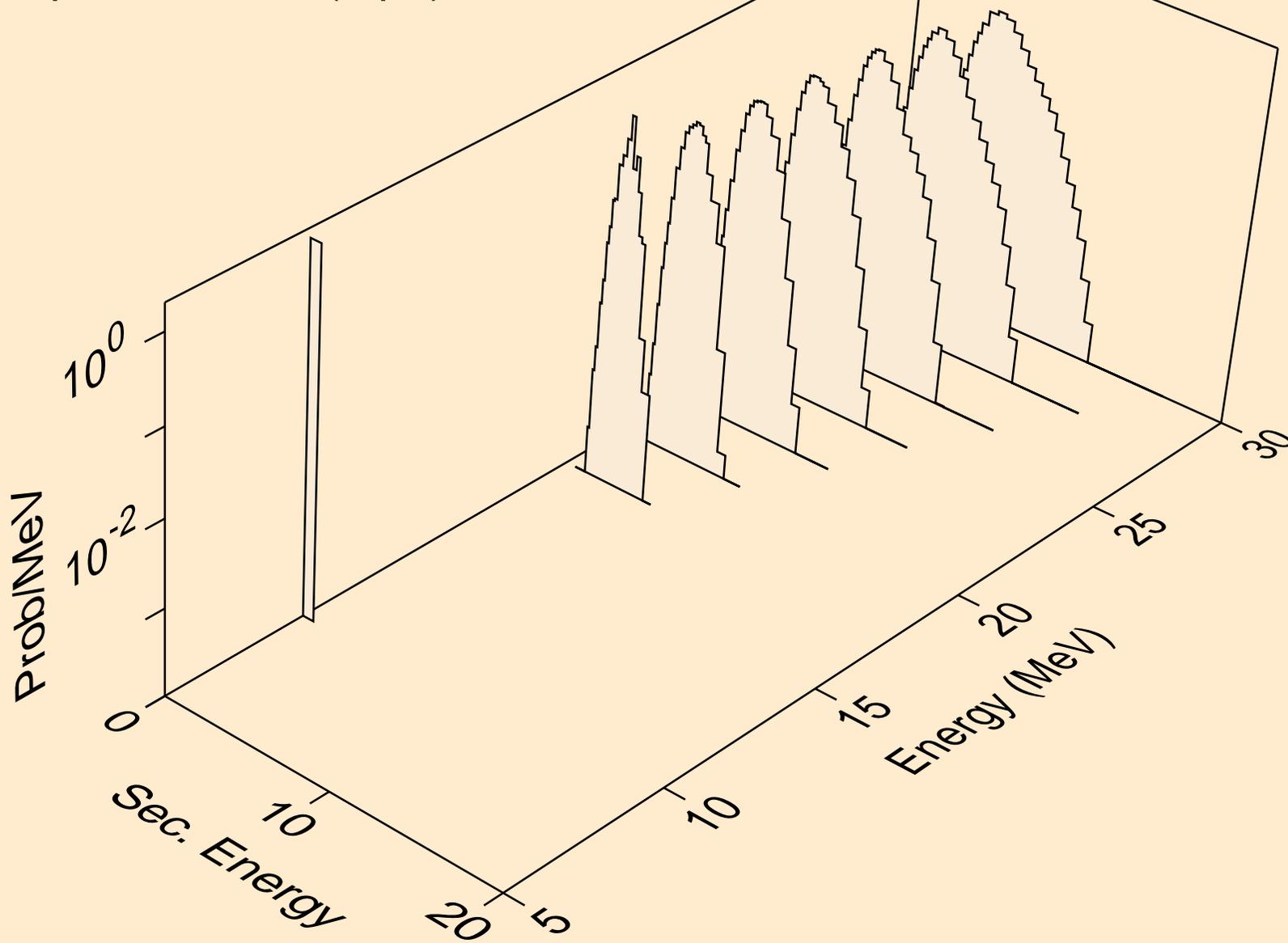SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,3np)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,p)

ProbMeV

10^0

10^{-2}

0

Sec. Energy

20

40

0
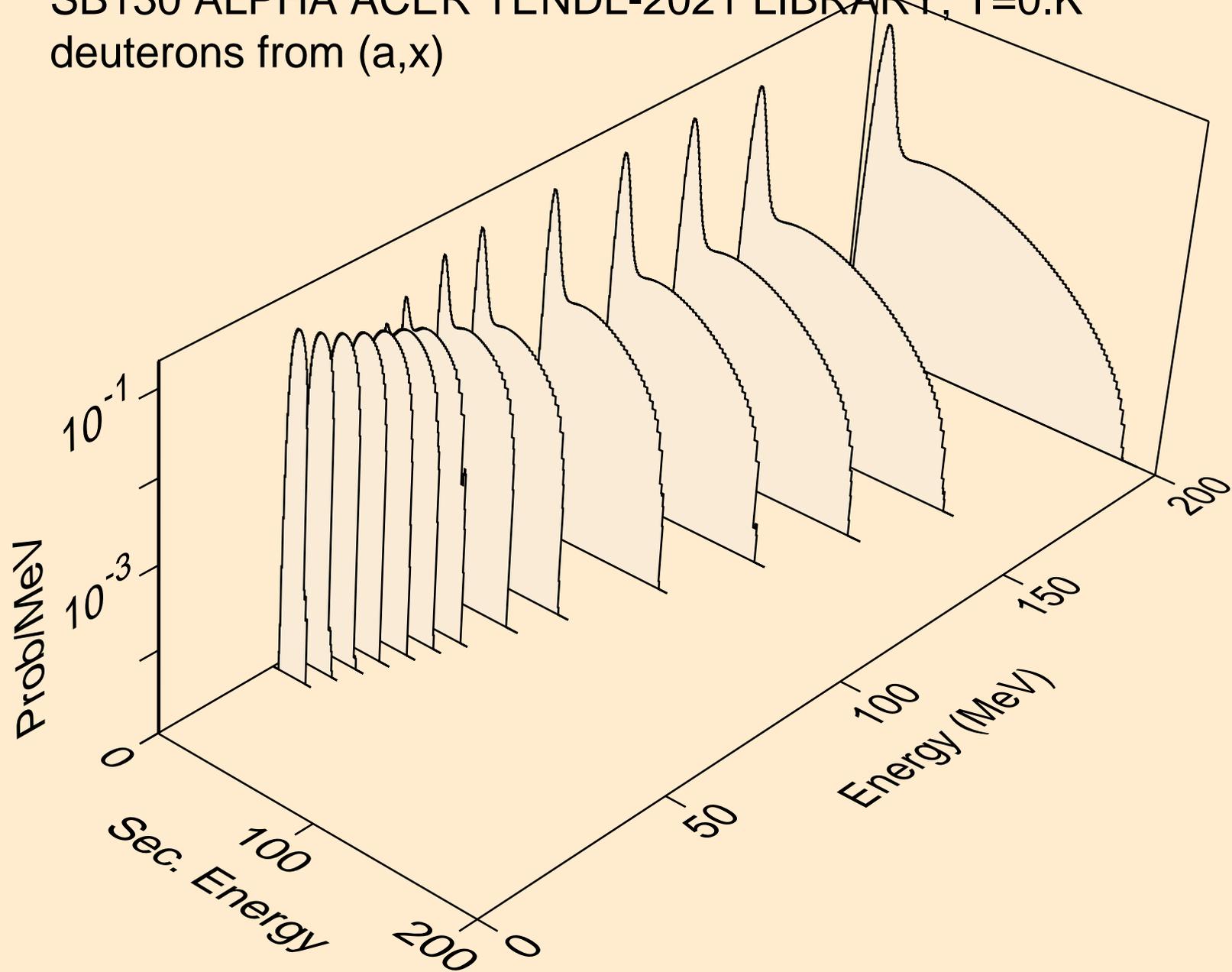
5

10

15

20

25

30

Energy (MeV)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
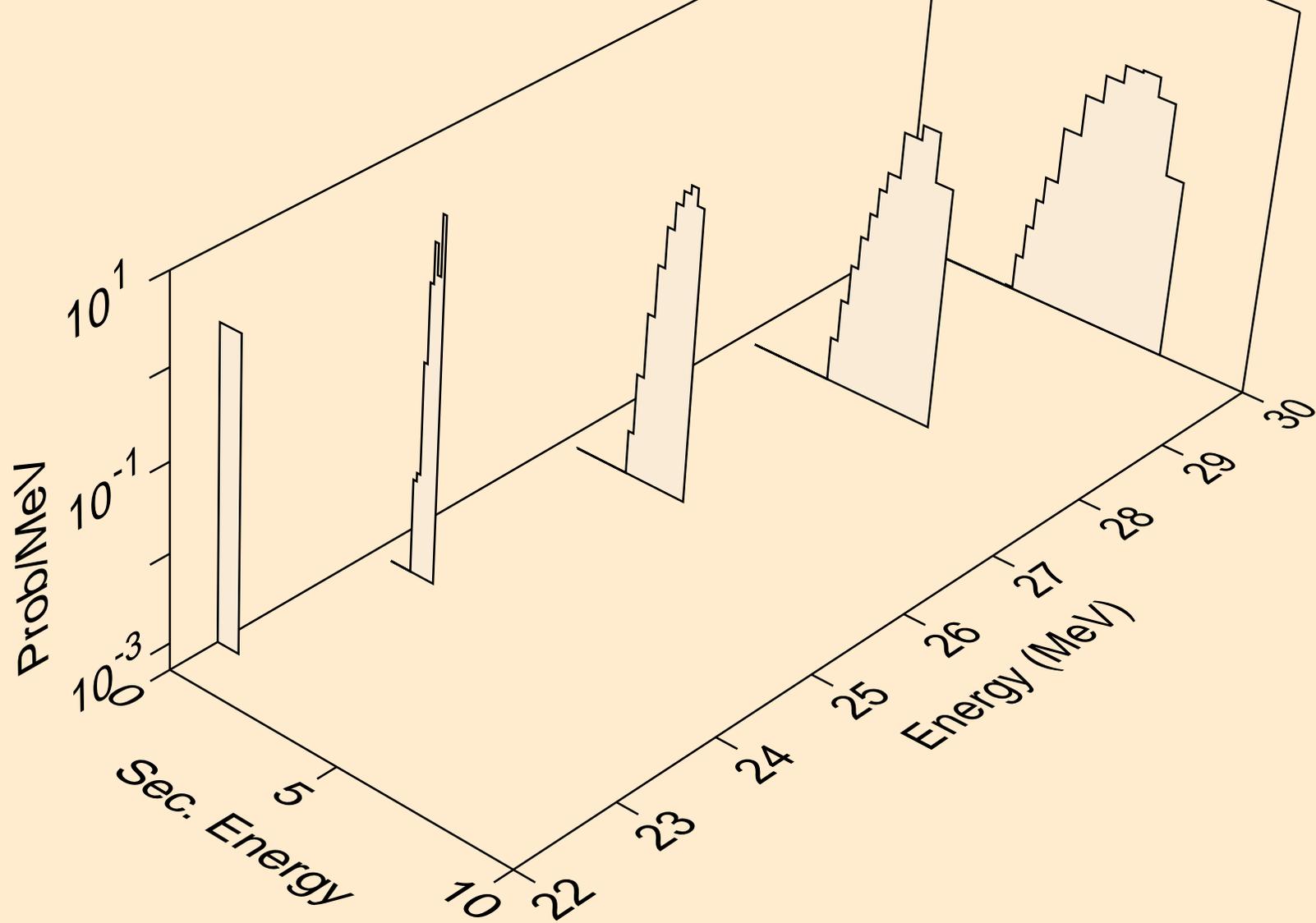protons from (a,2p)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
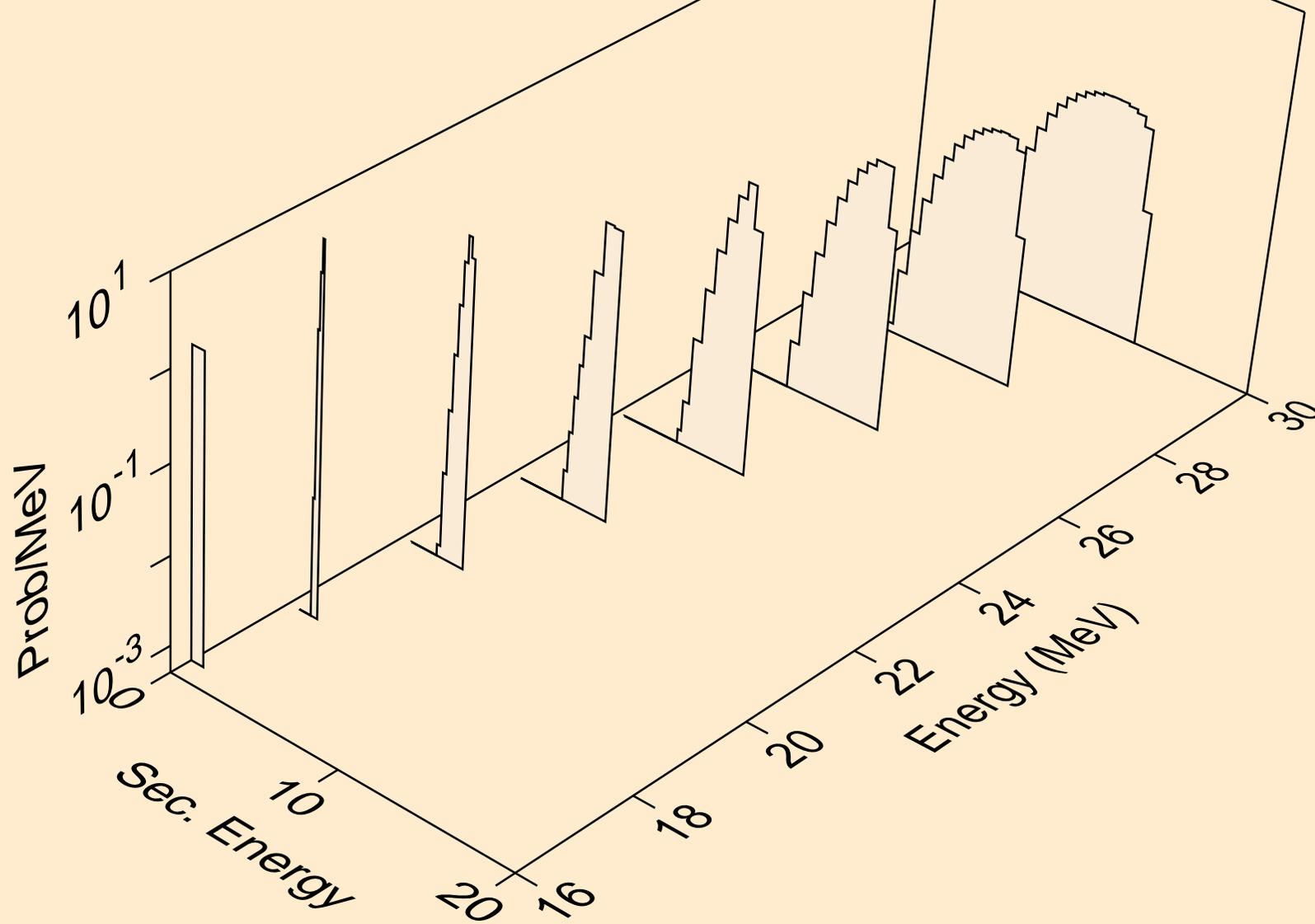protons from (a,pa)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
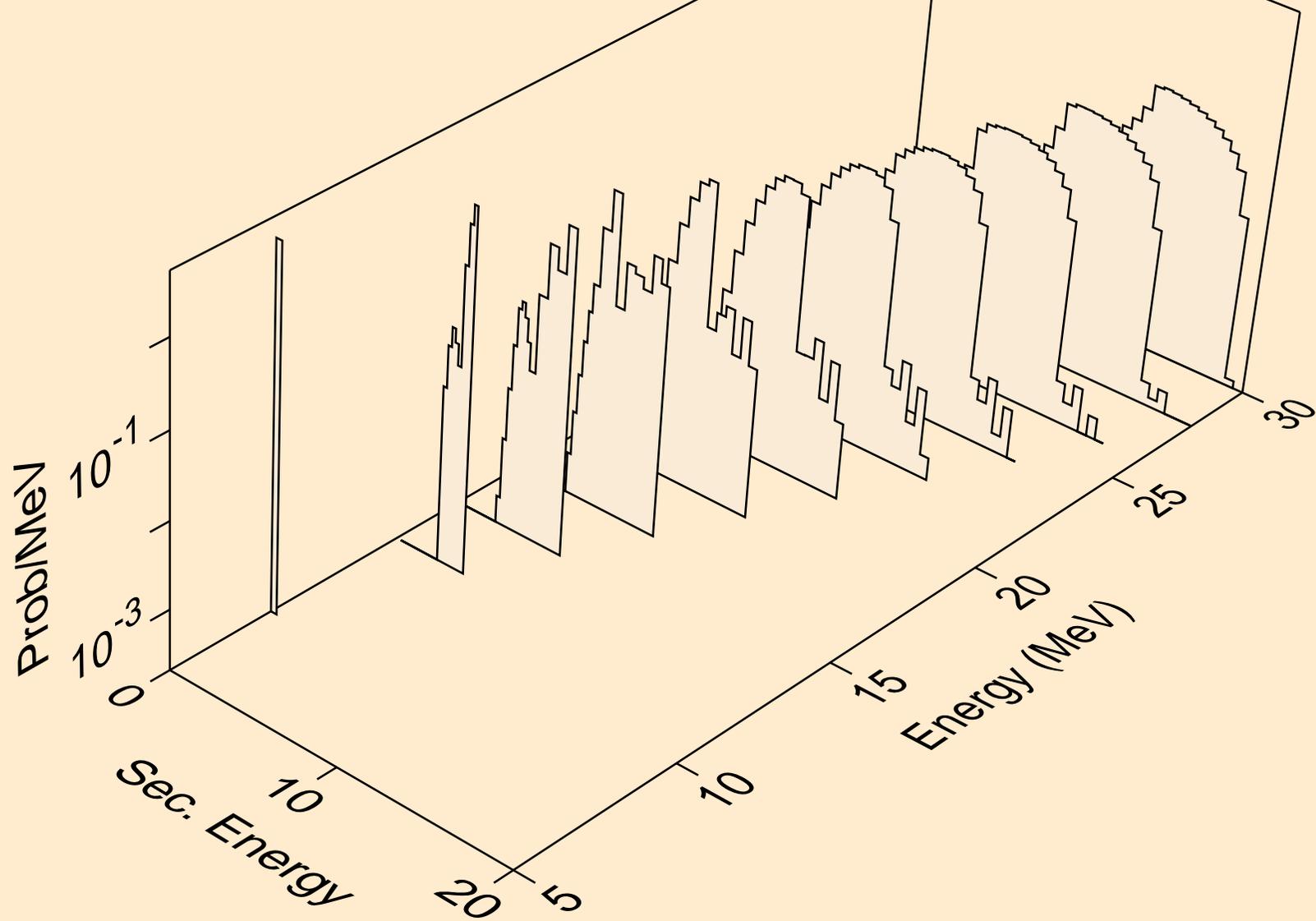deuterons from (a,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
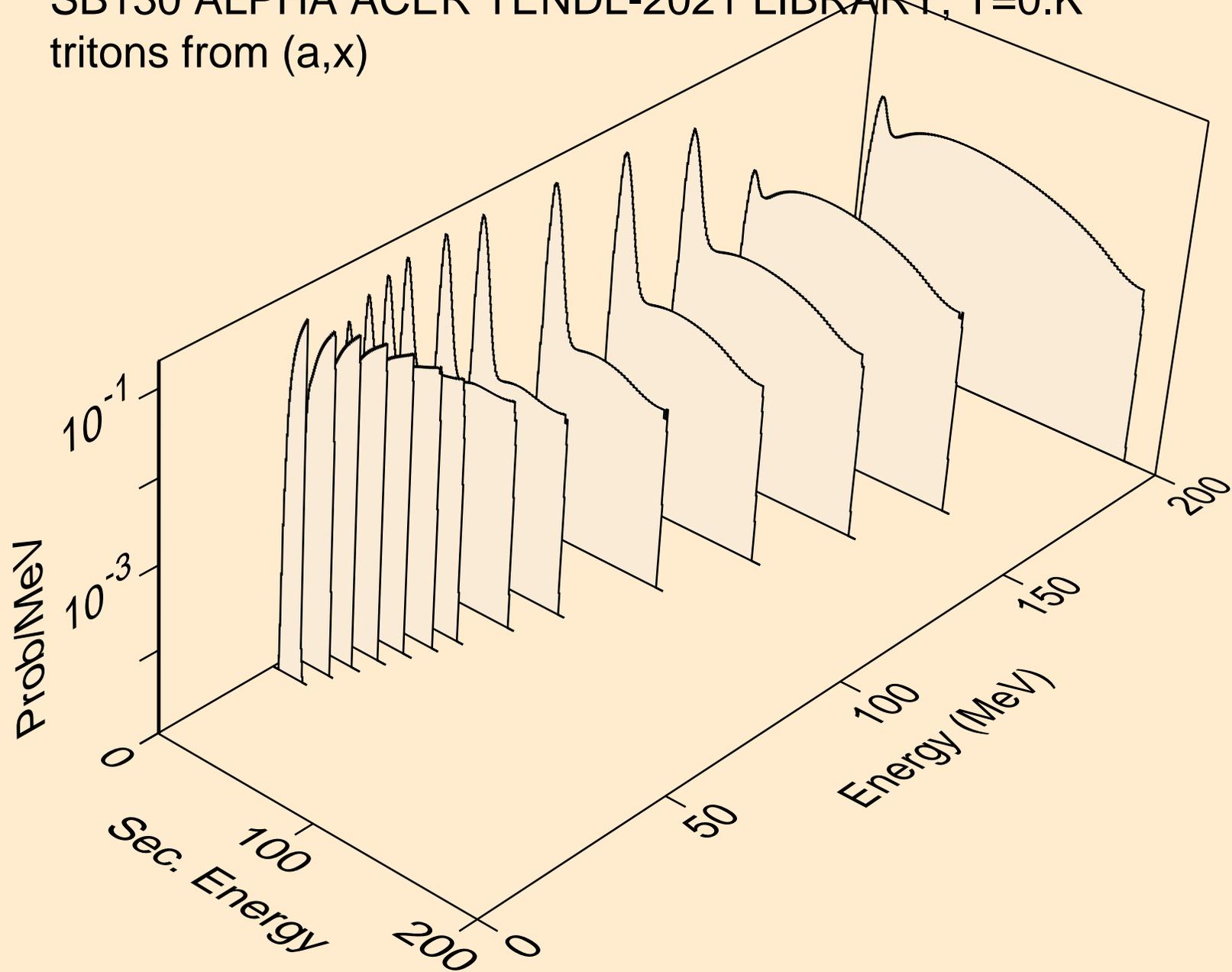deuterons from (a,2nd)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
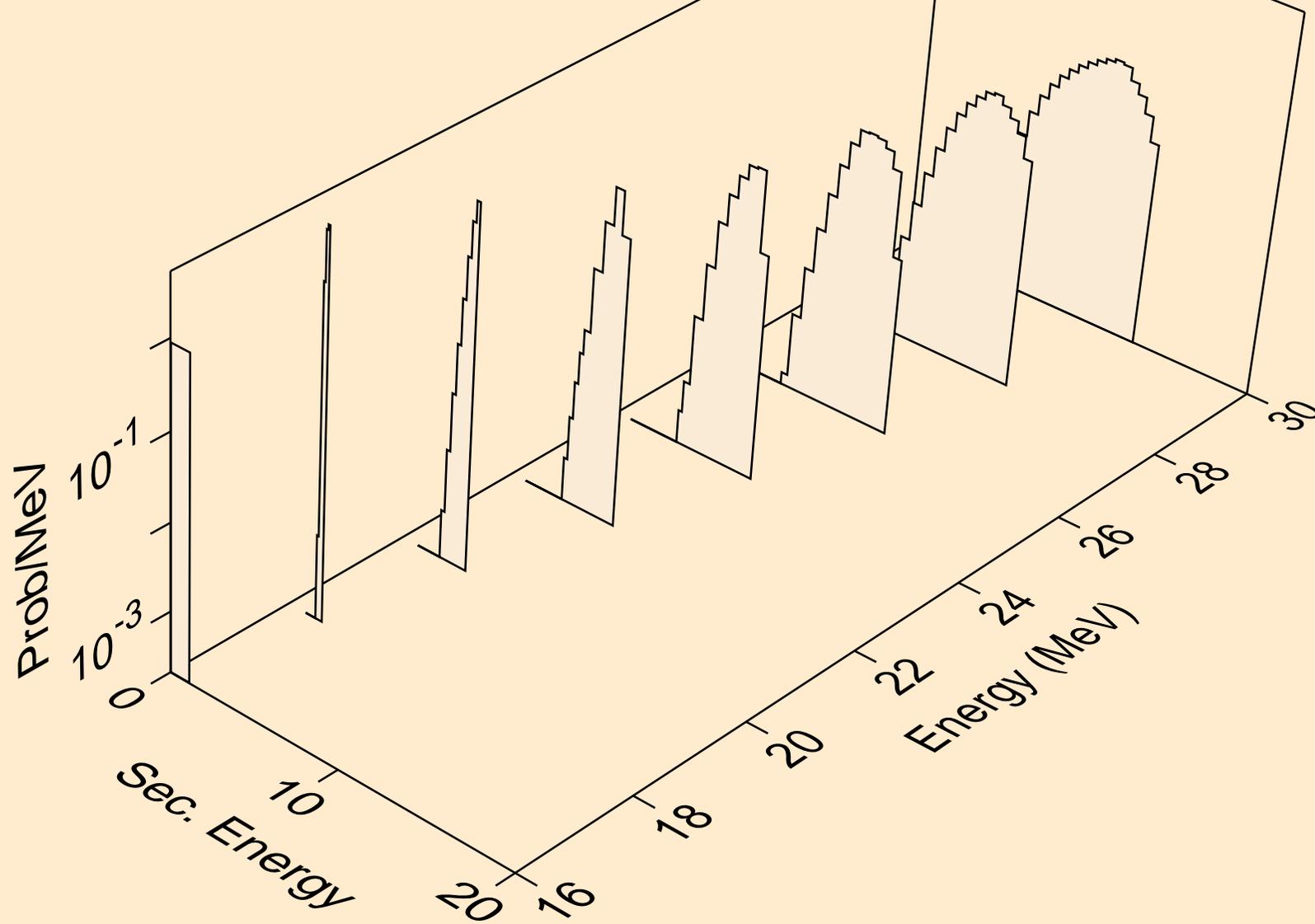deuterons from (a,n*)d

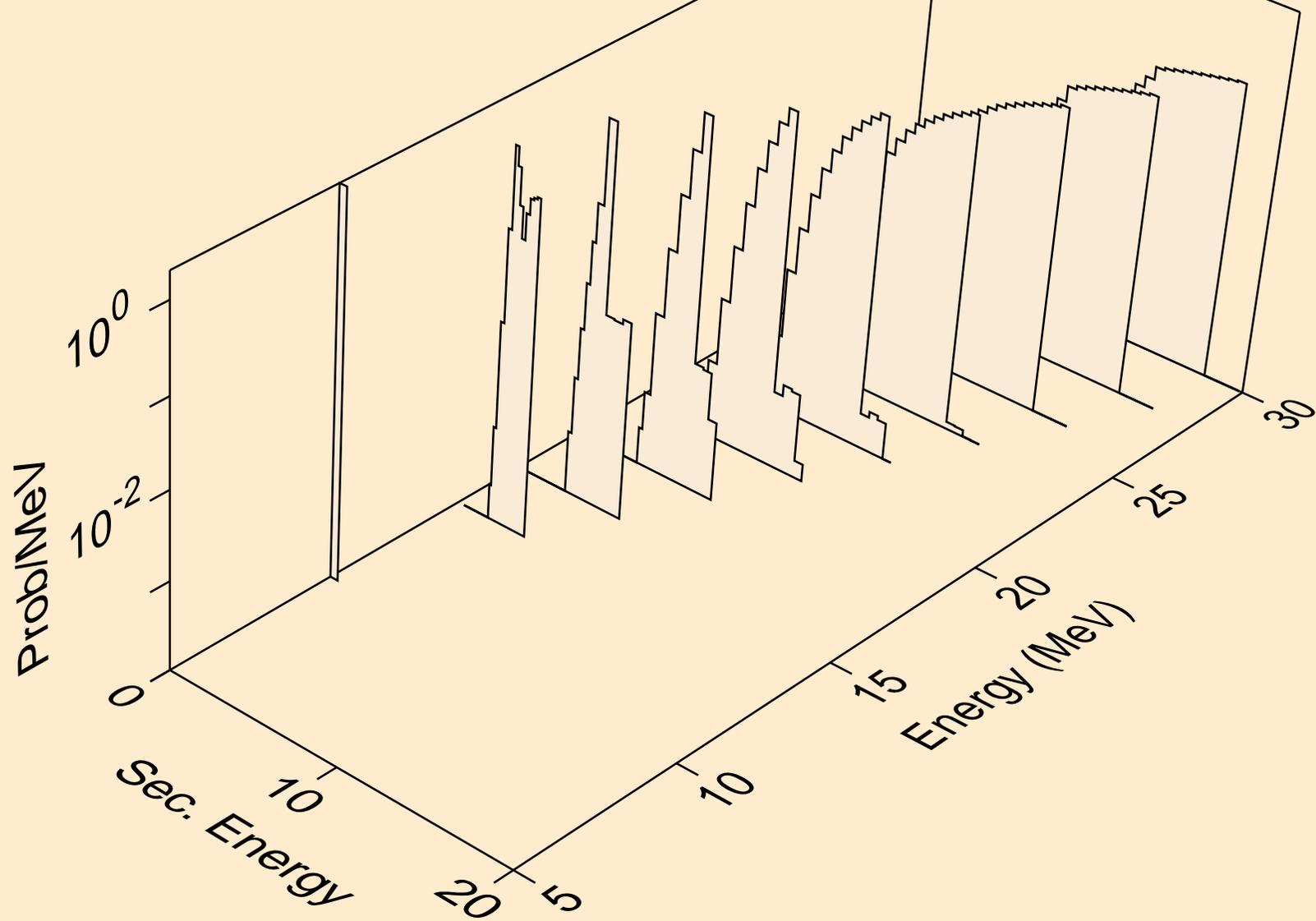SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)

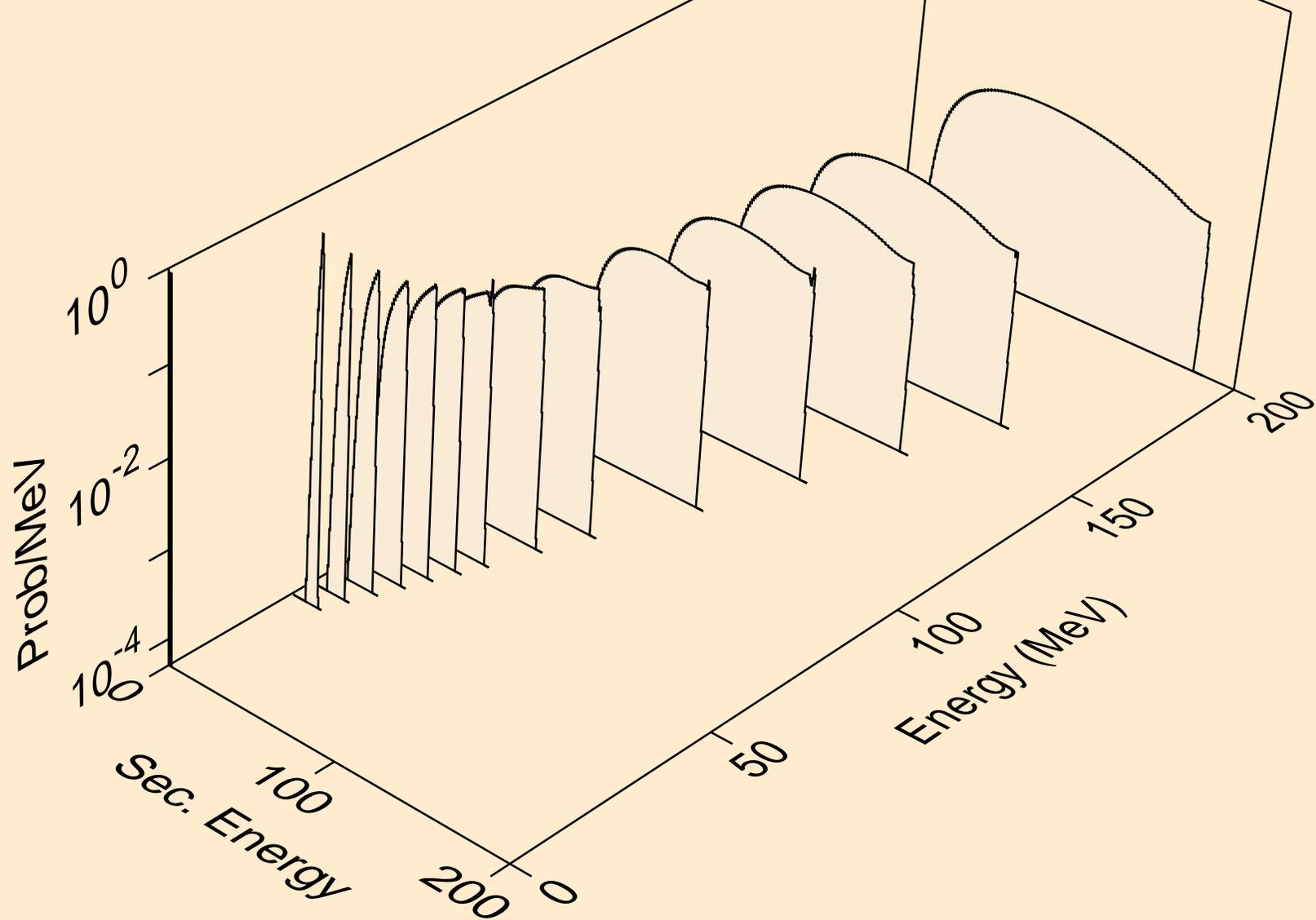SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
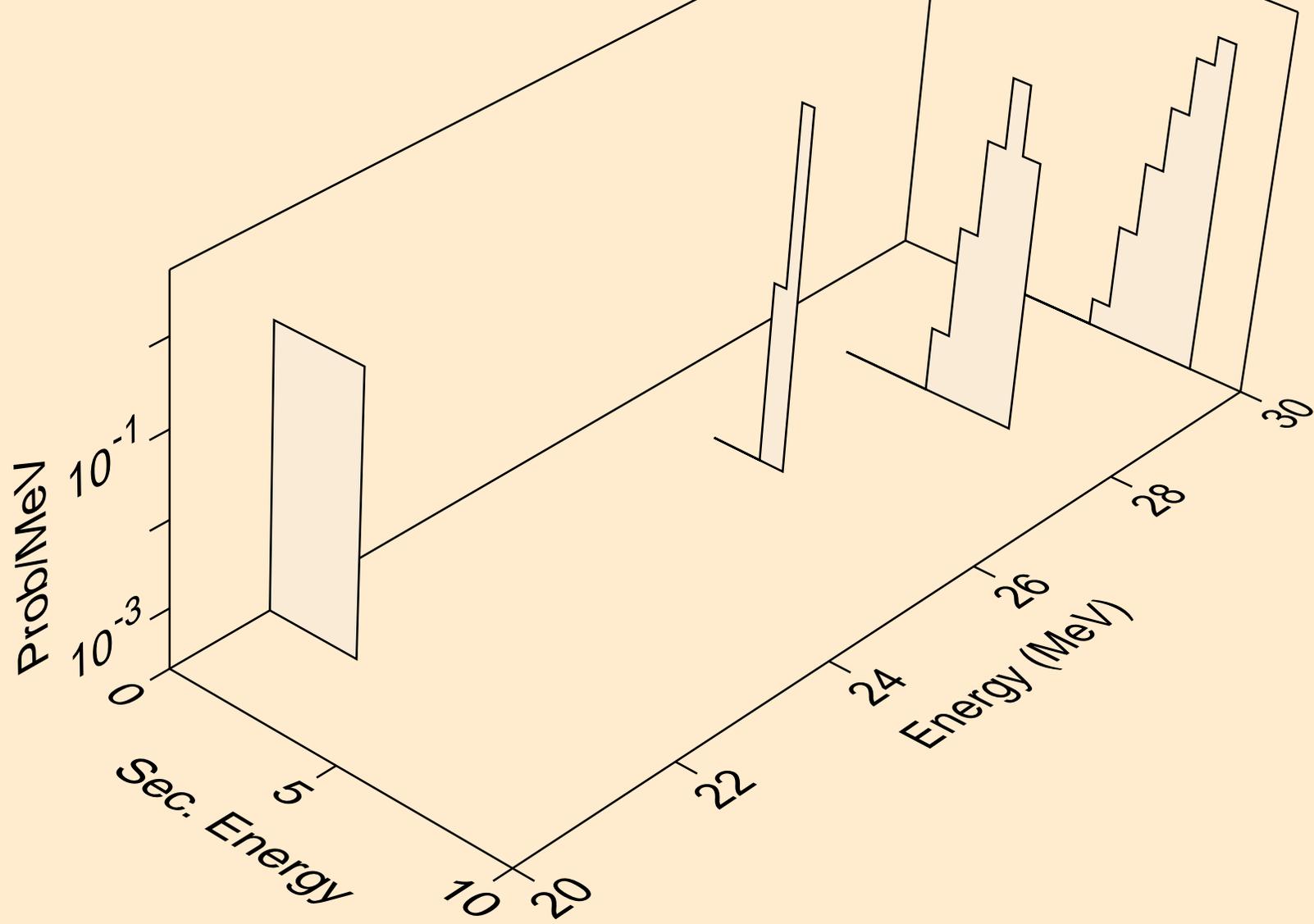tritons from (a,n*)t

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,n*)he3

SB130 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,he3)