F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production
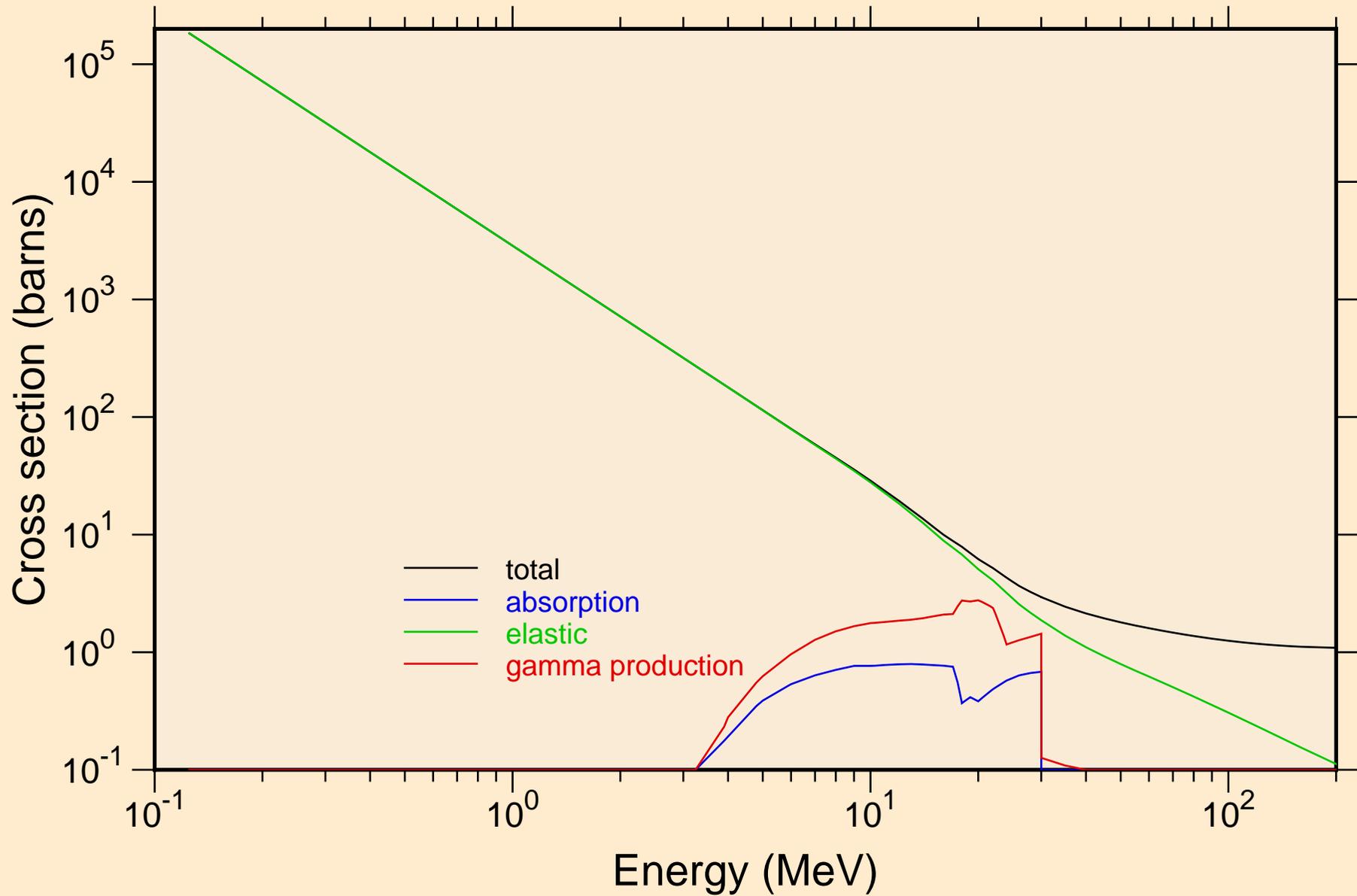
F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
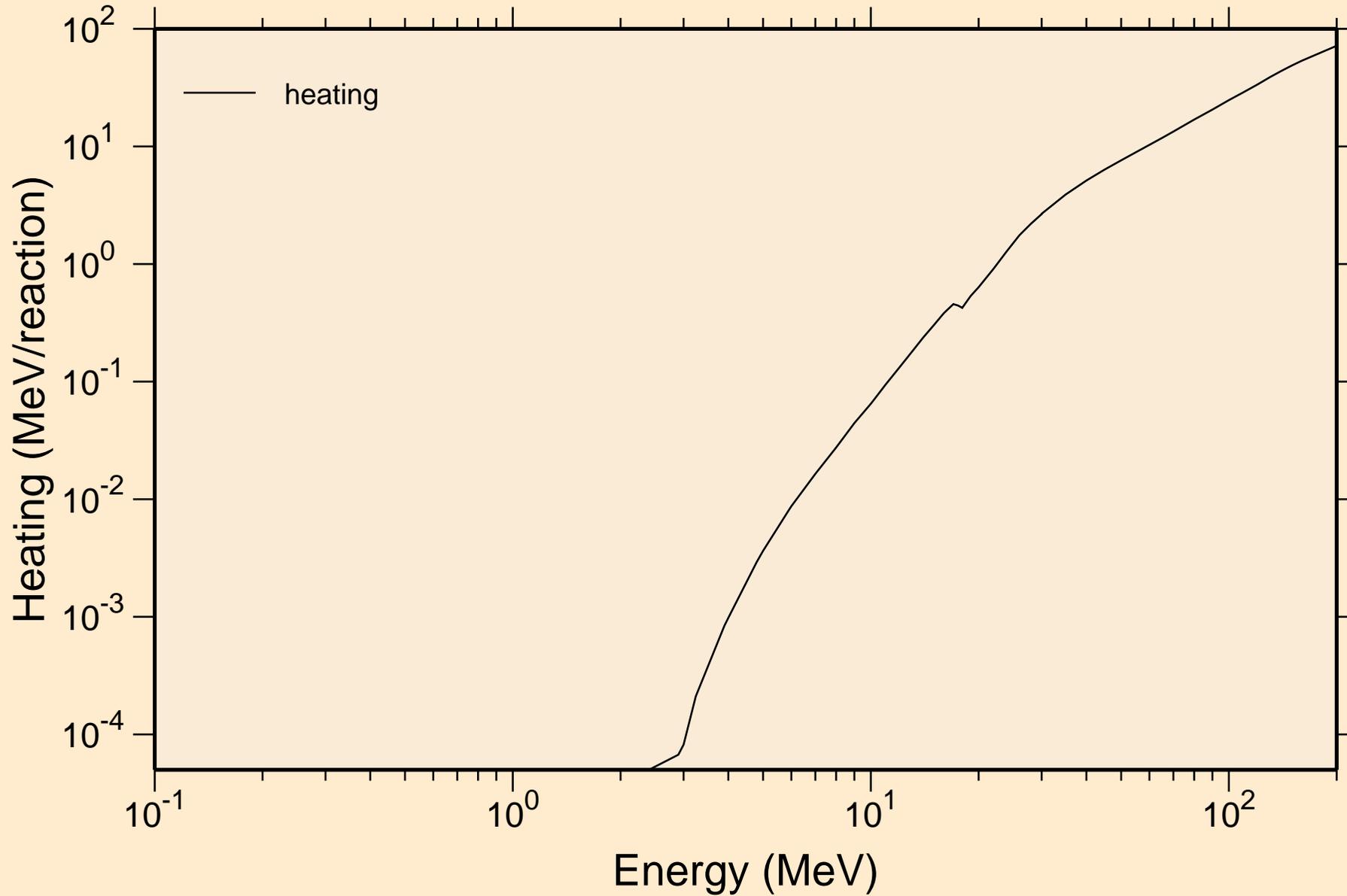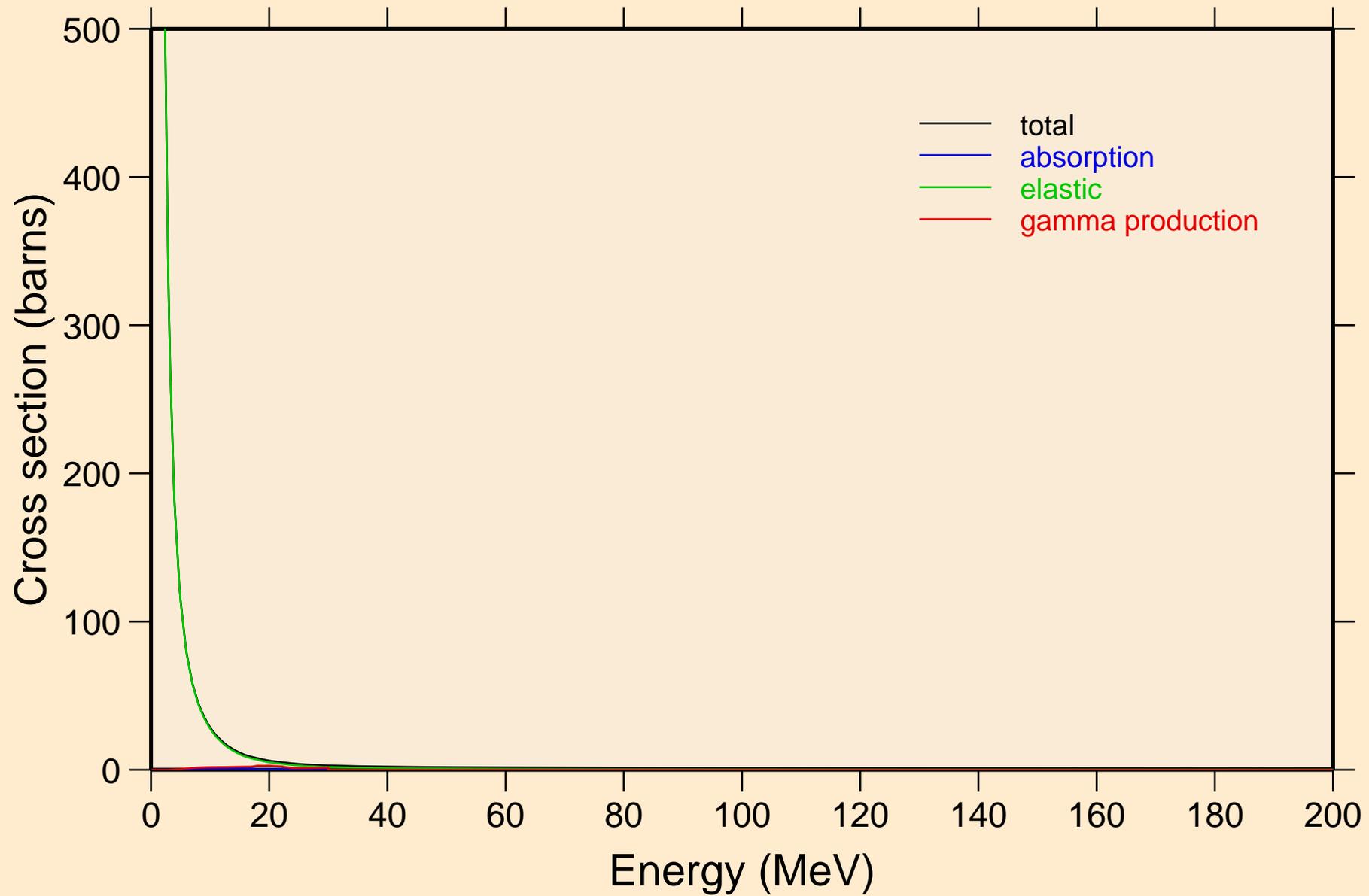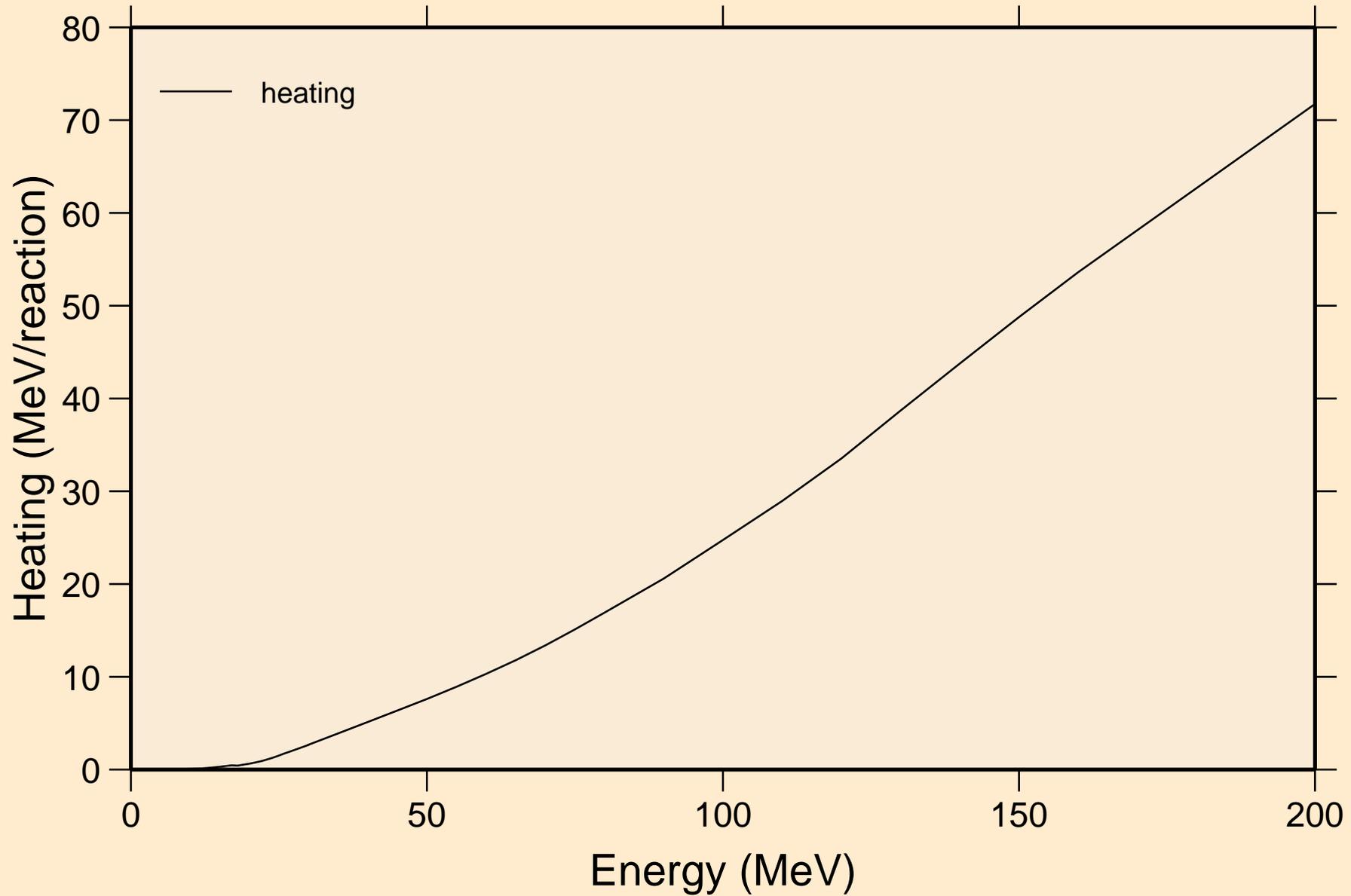Heating

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
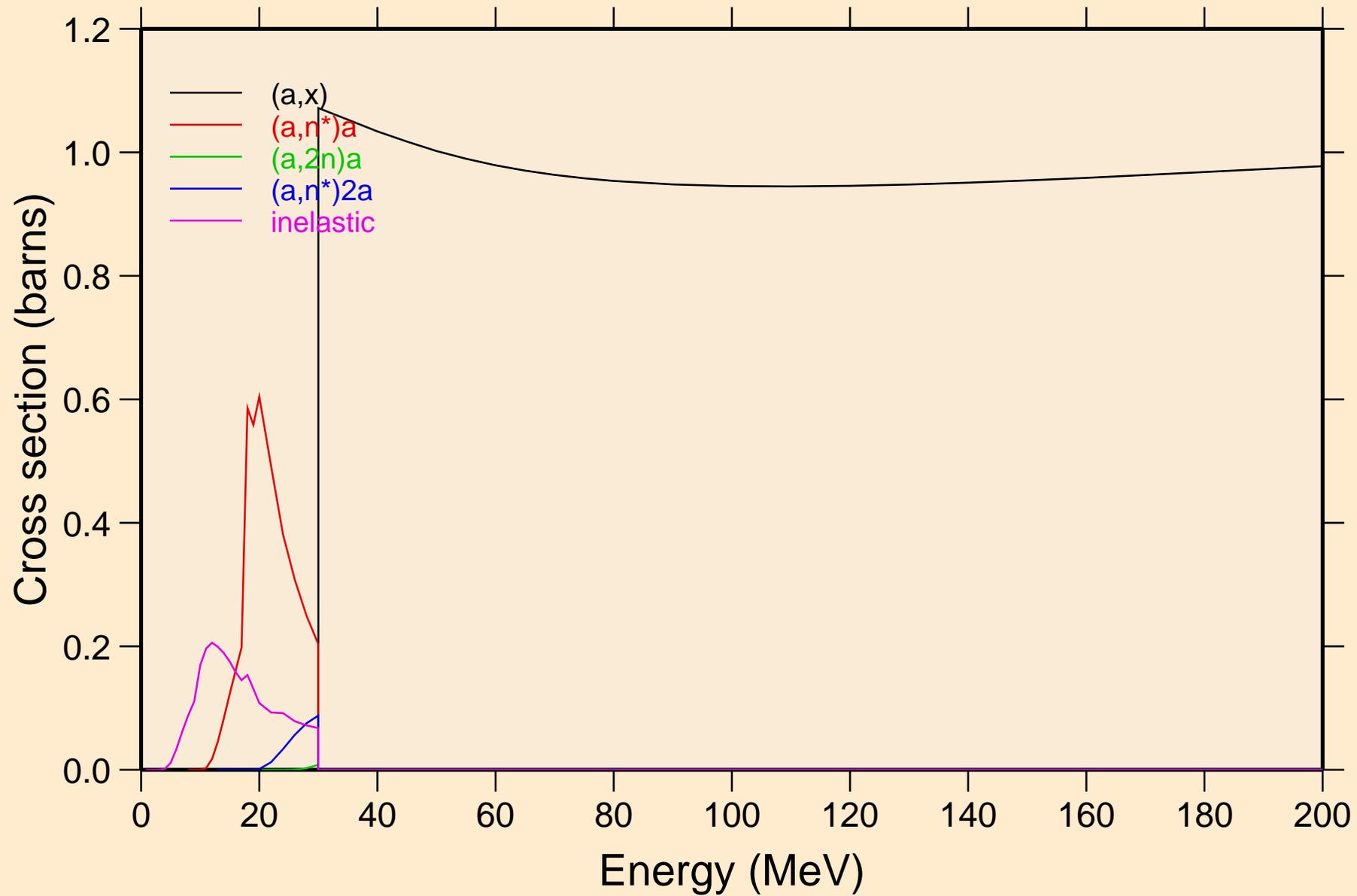Principal cross sections
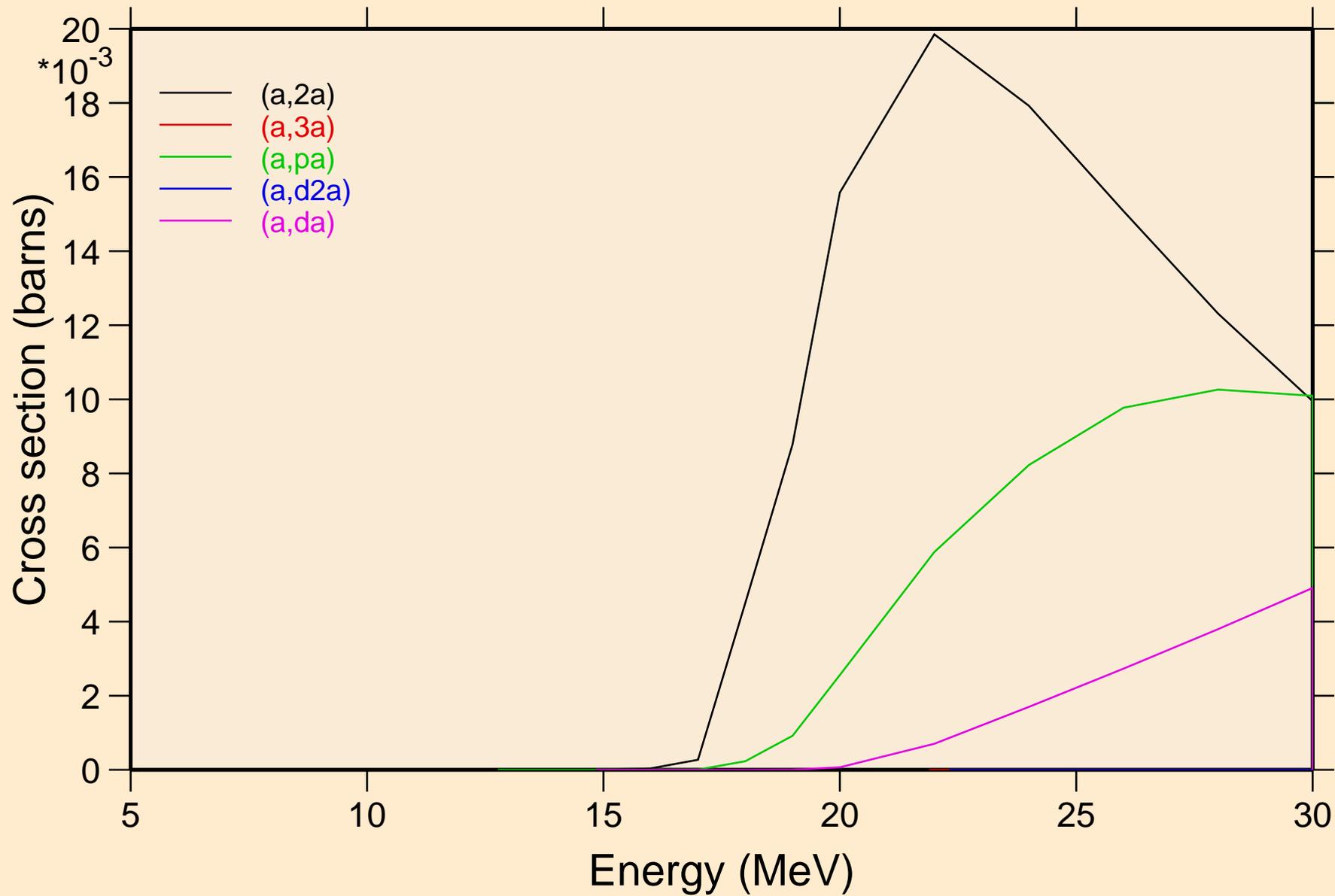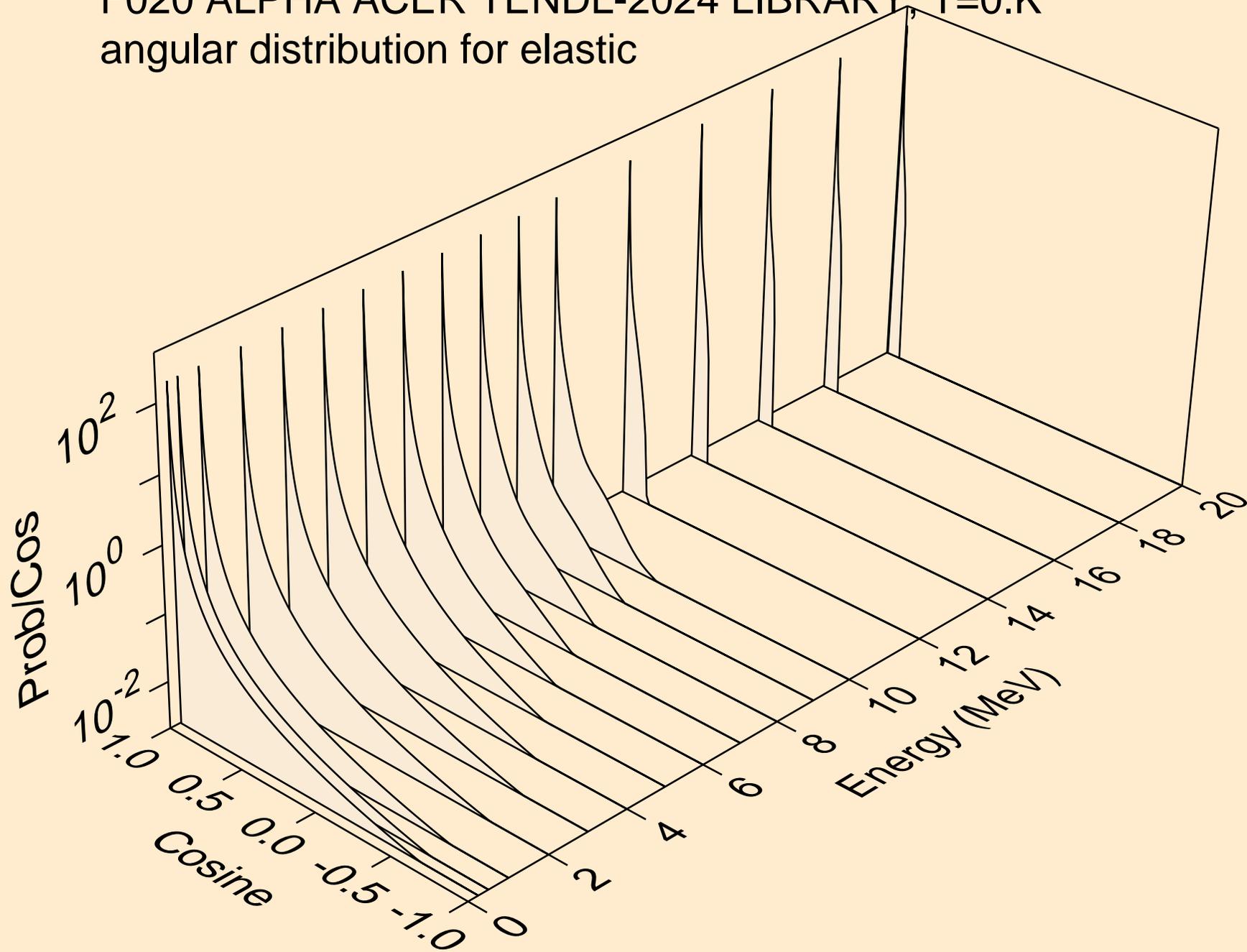
F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Heating

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
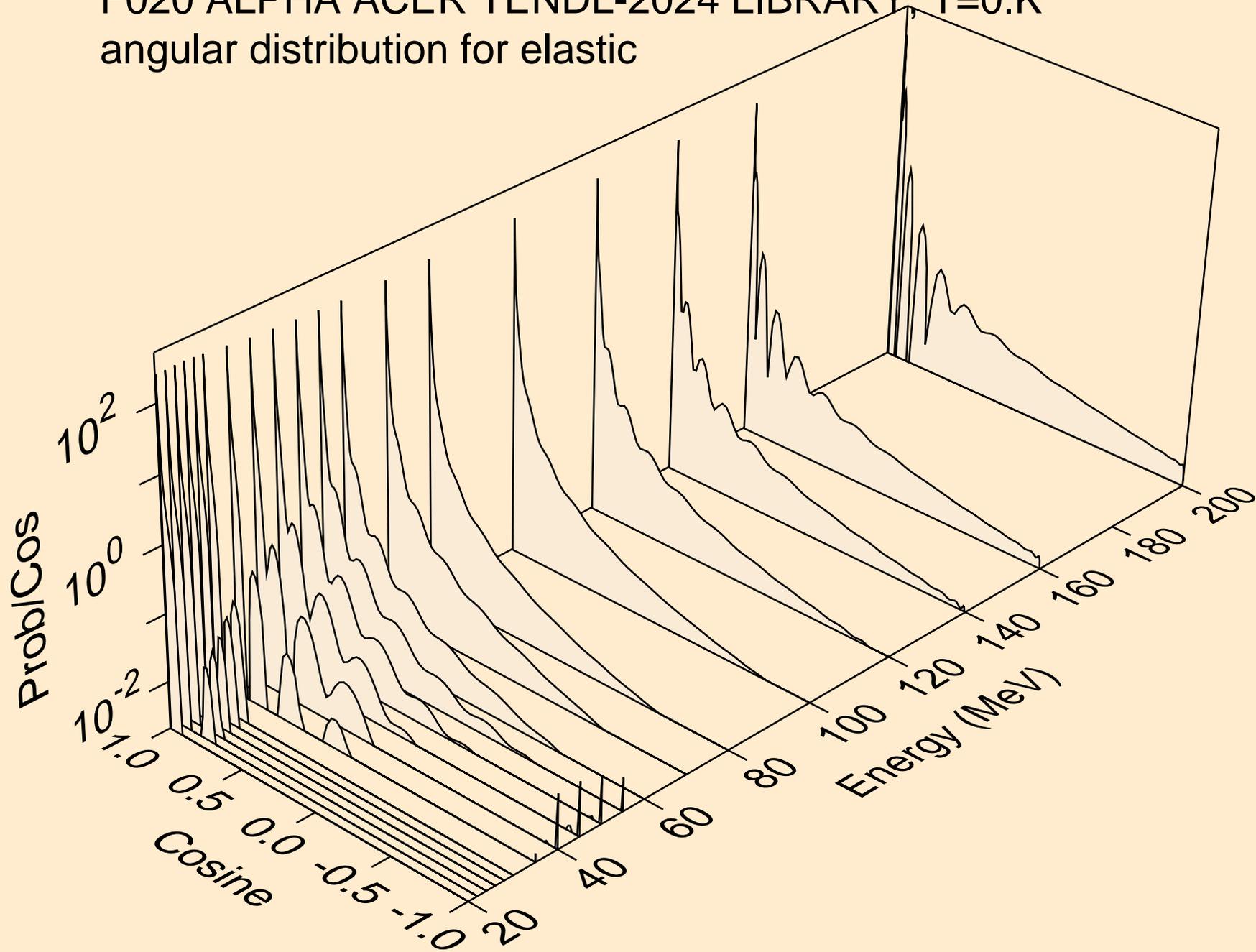Threshold reactions

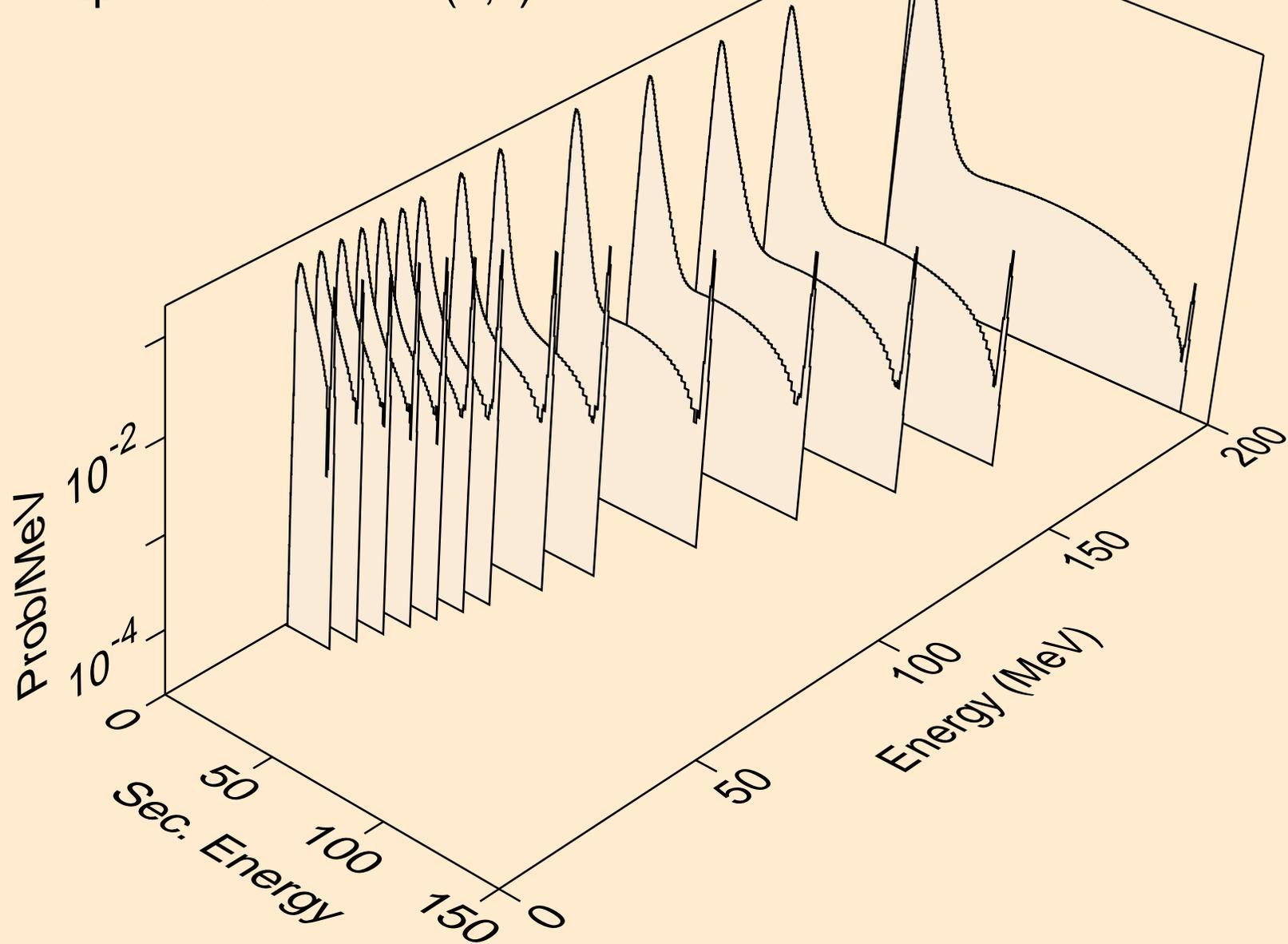F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
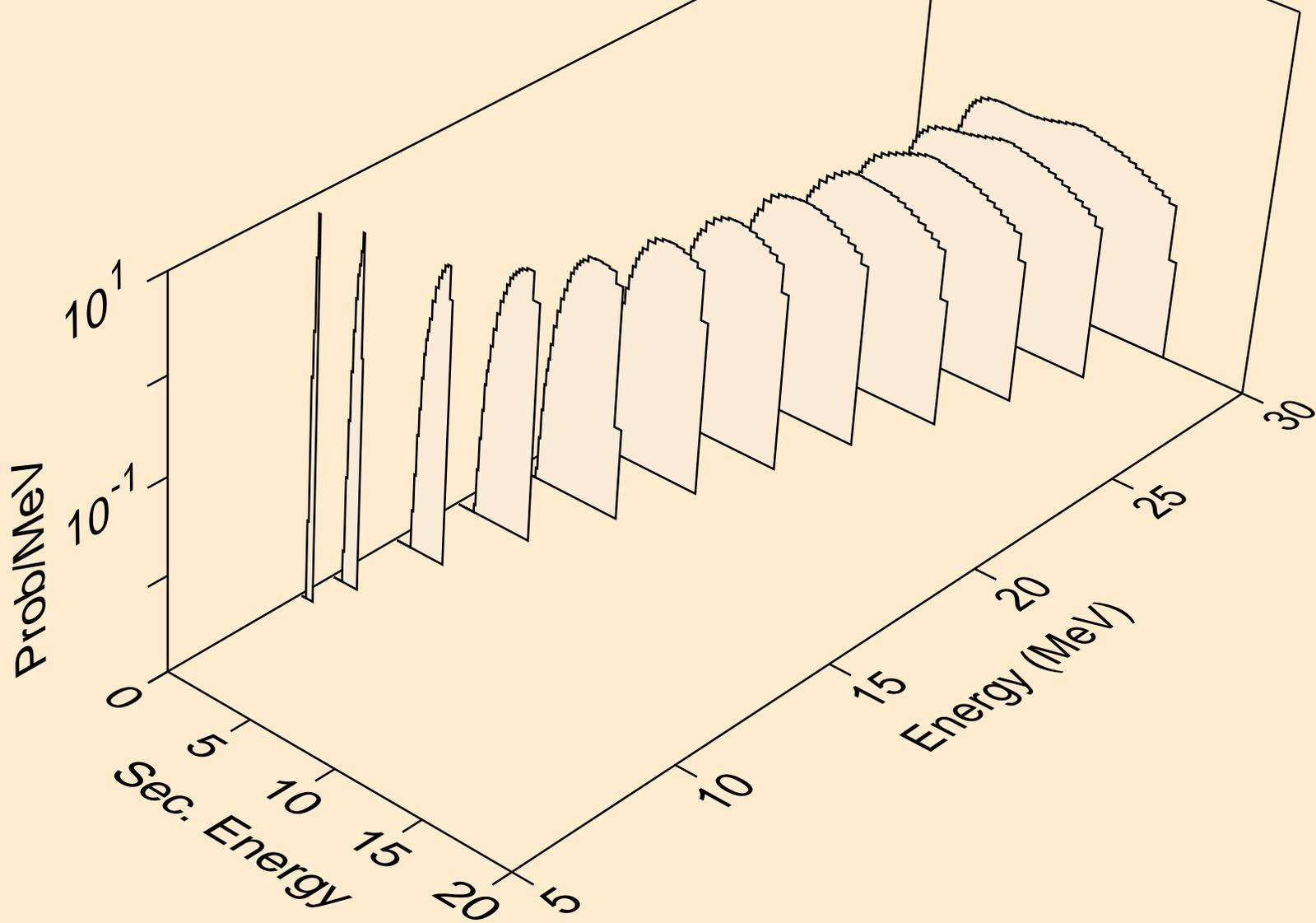angular distribution for elastic

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
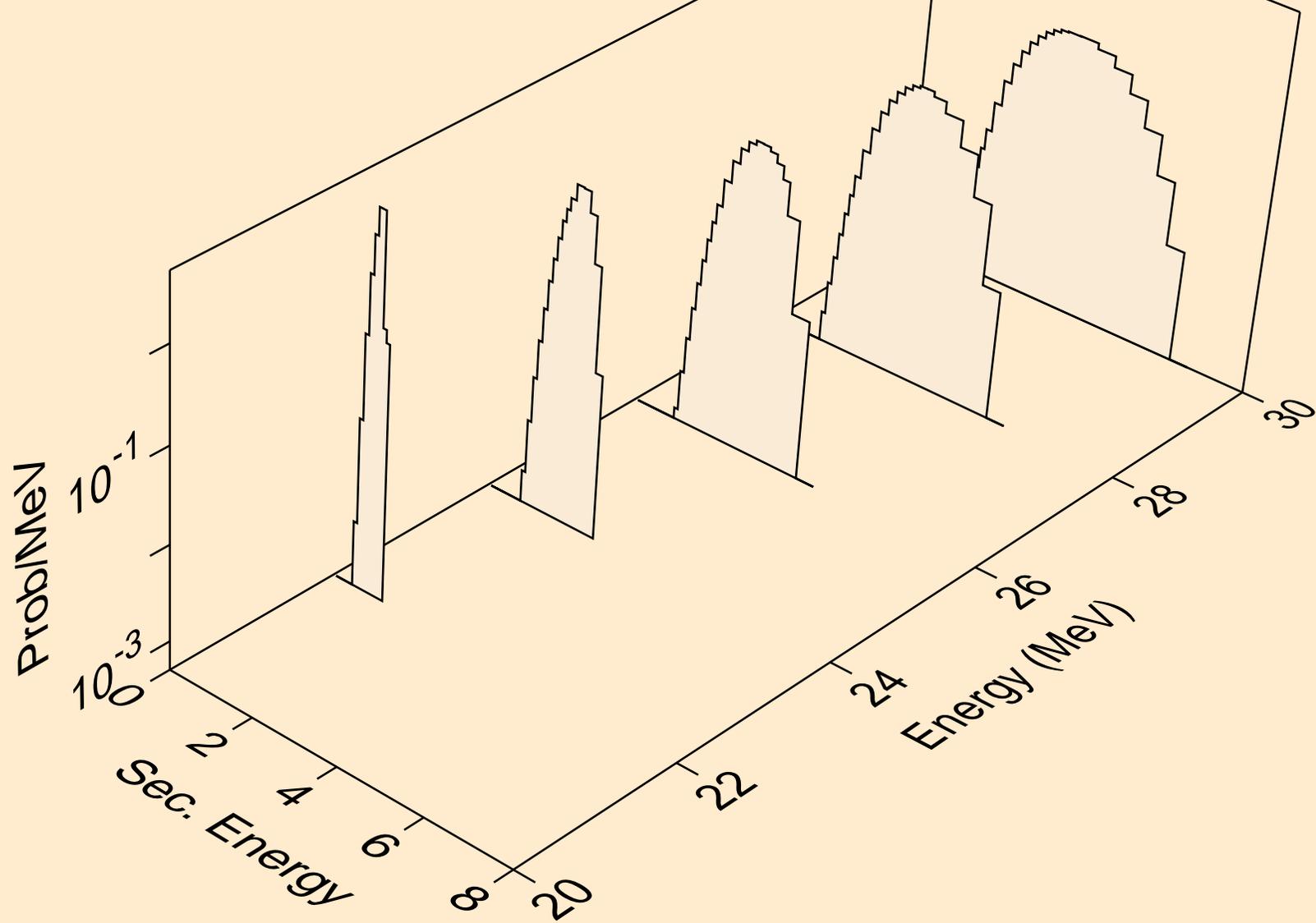angular distribution for elastic

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
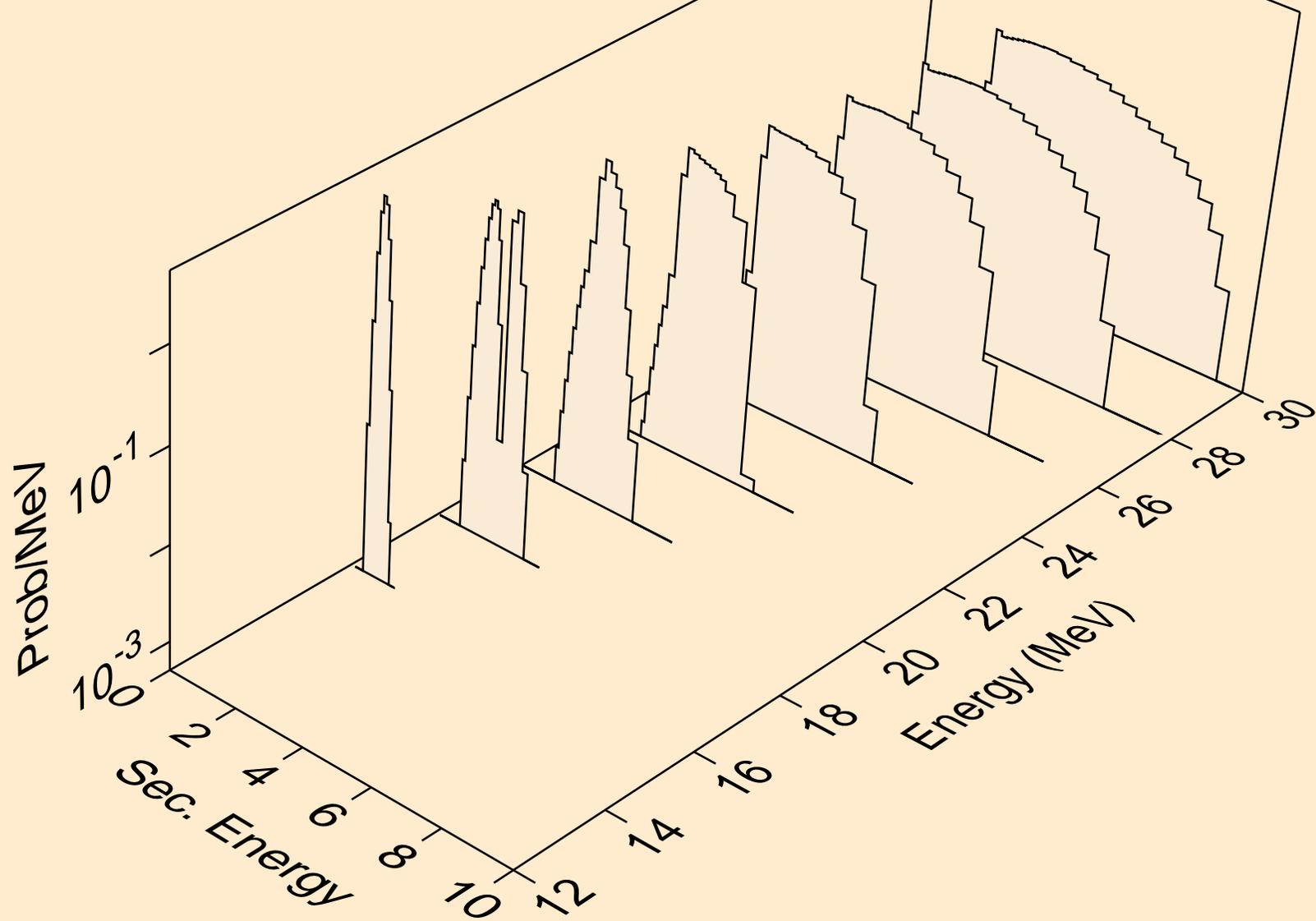Alpha emission for (a,x)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
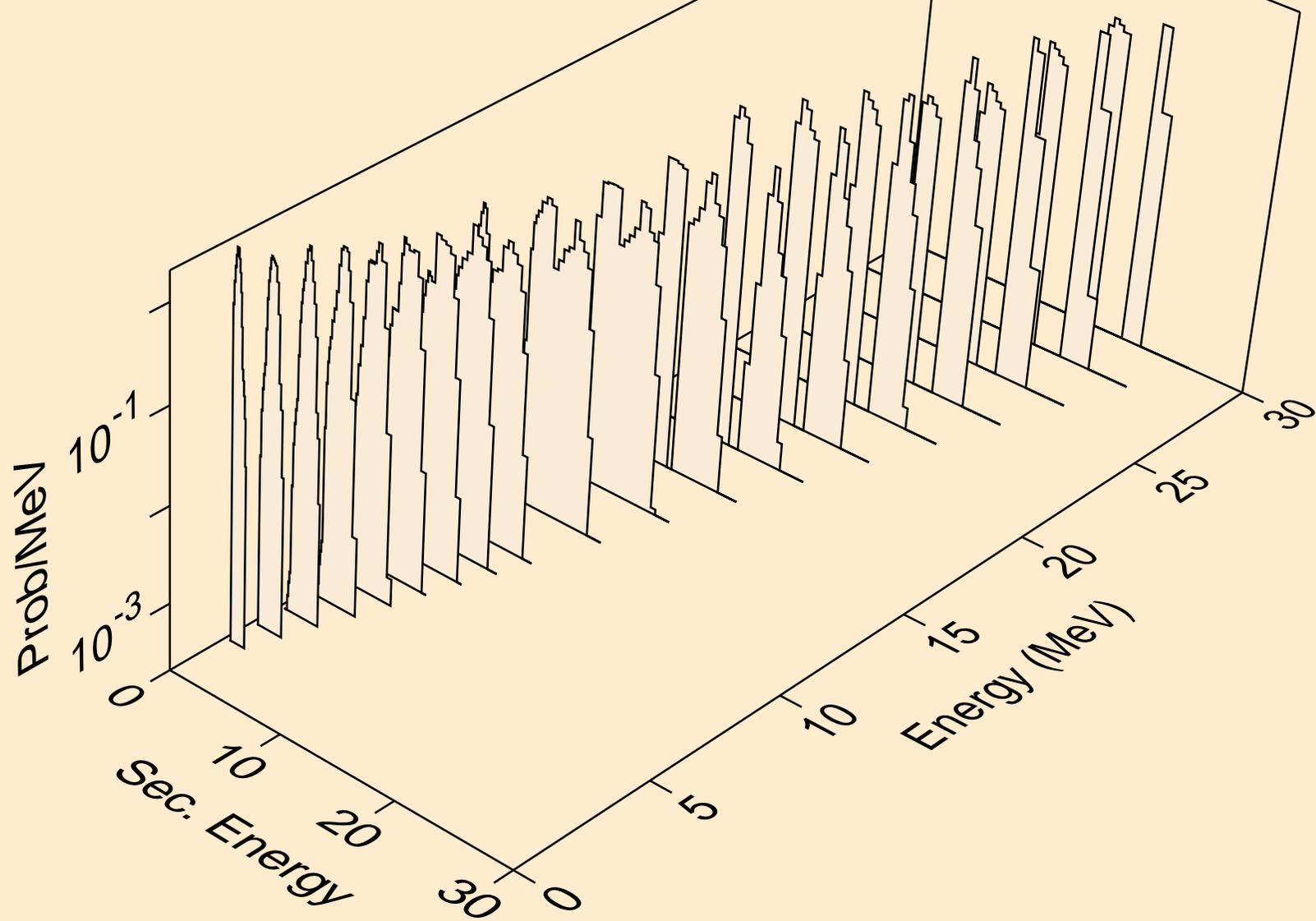Alpha emission for (a,n*)a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
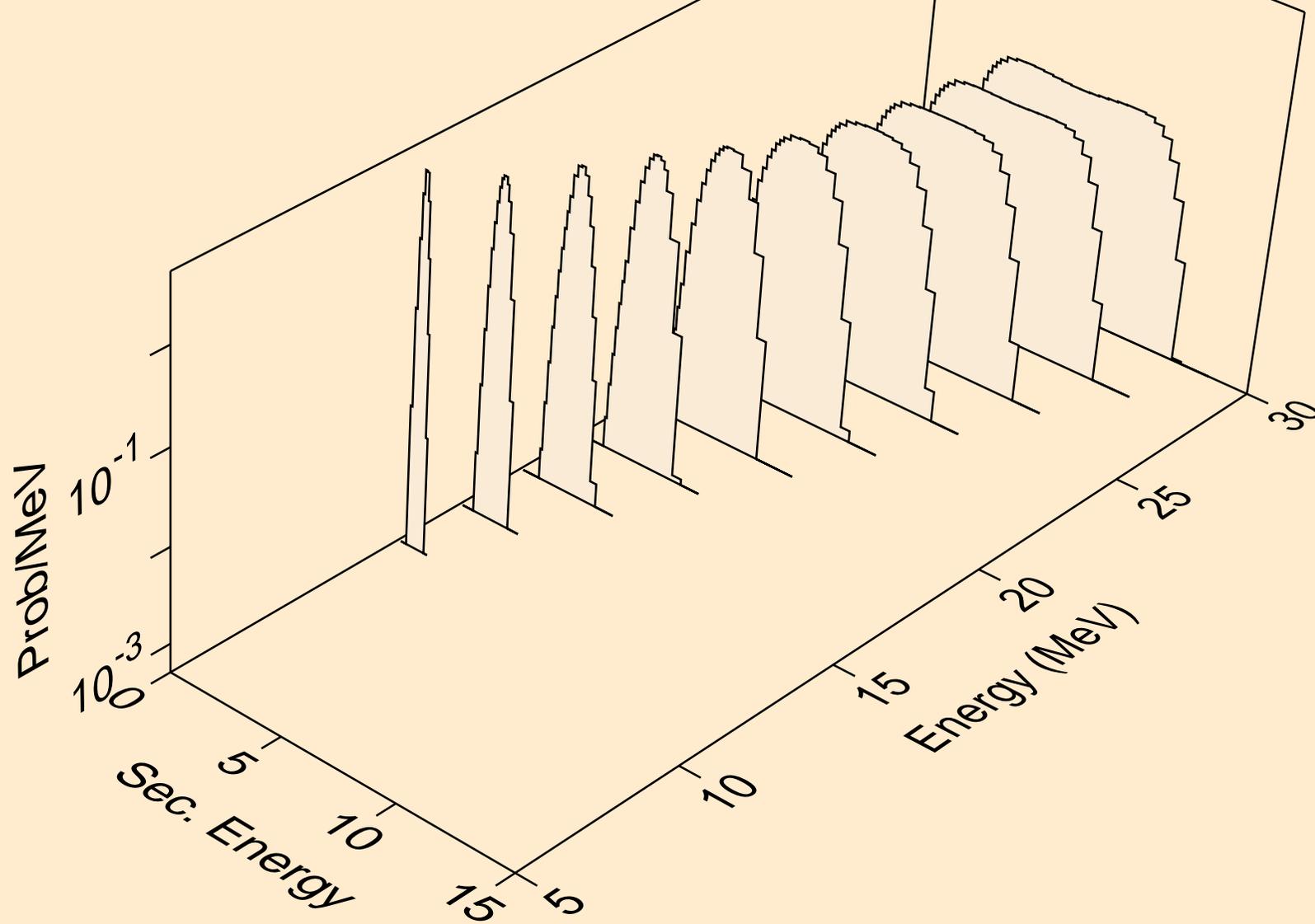Alpha emission for (a,2n)a

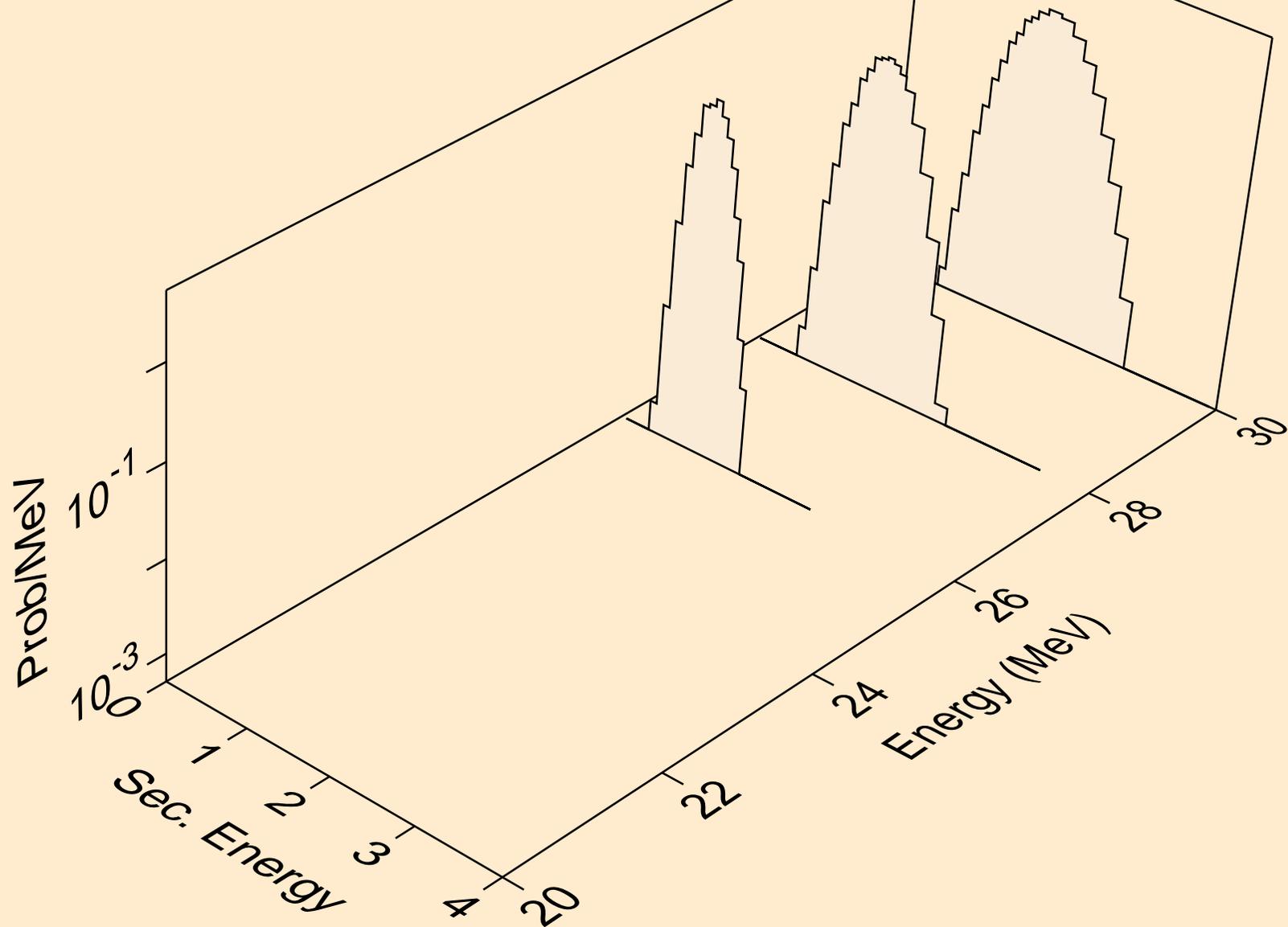F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Alpha emission for (a,n*)2a

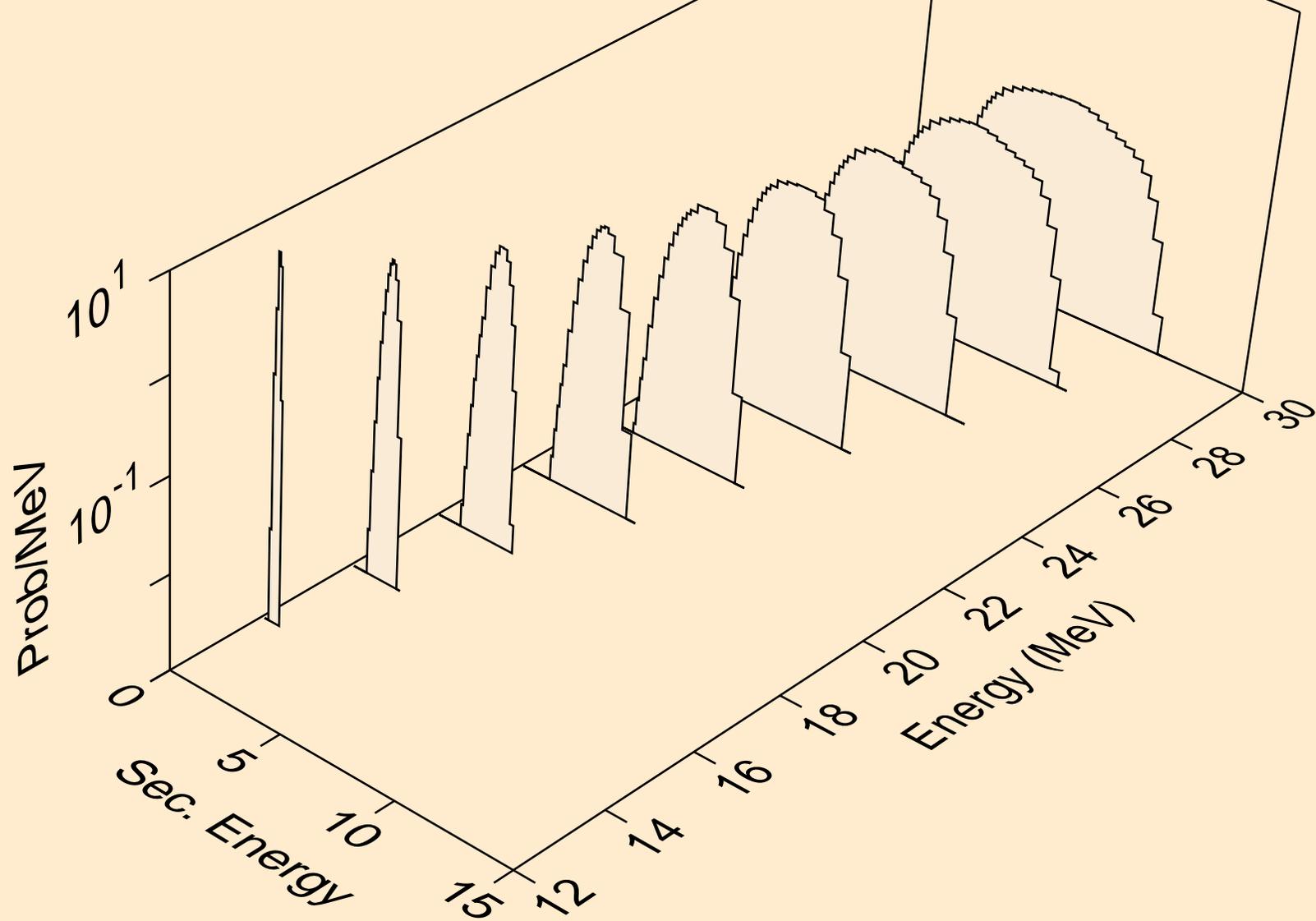F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Alpha emission for inelastic

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
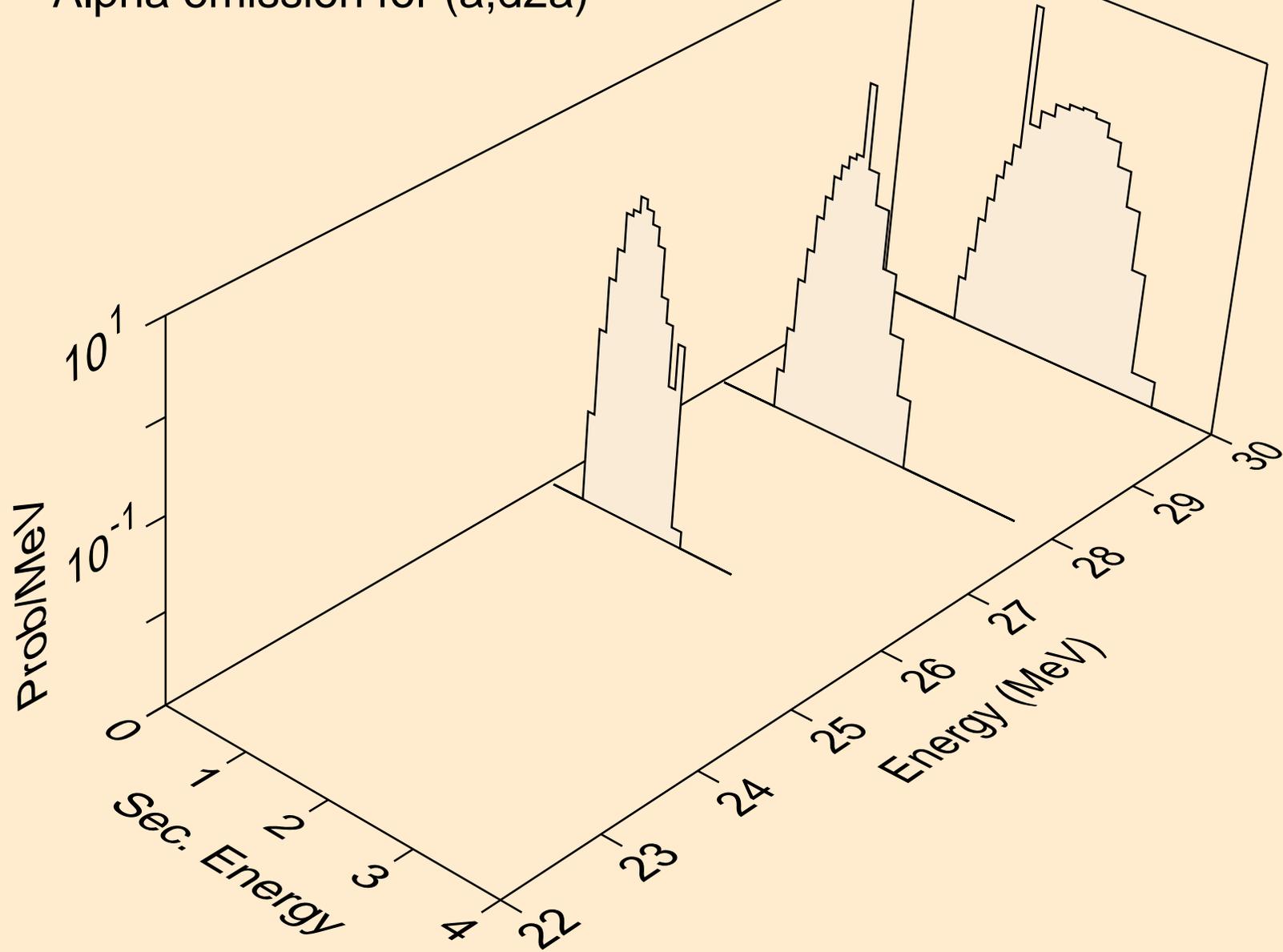Alpha emission for (a,2a)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
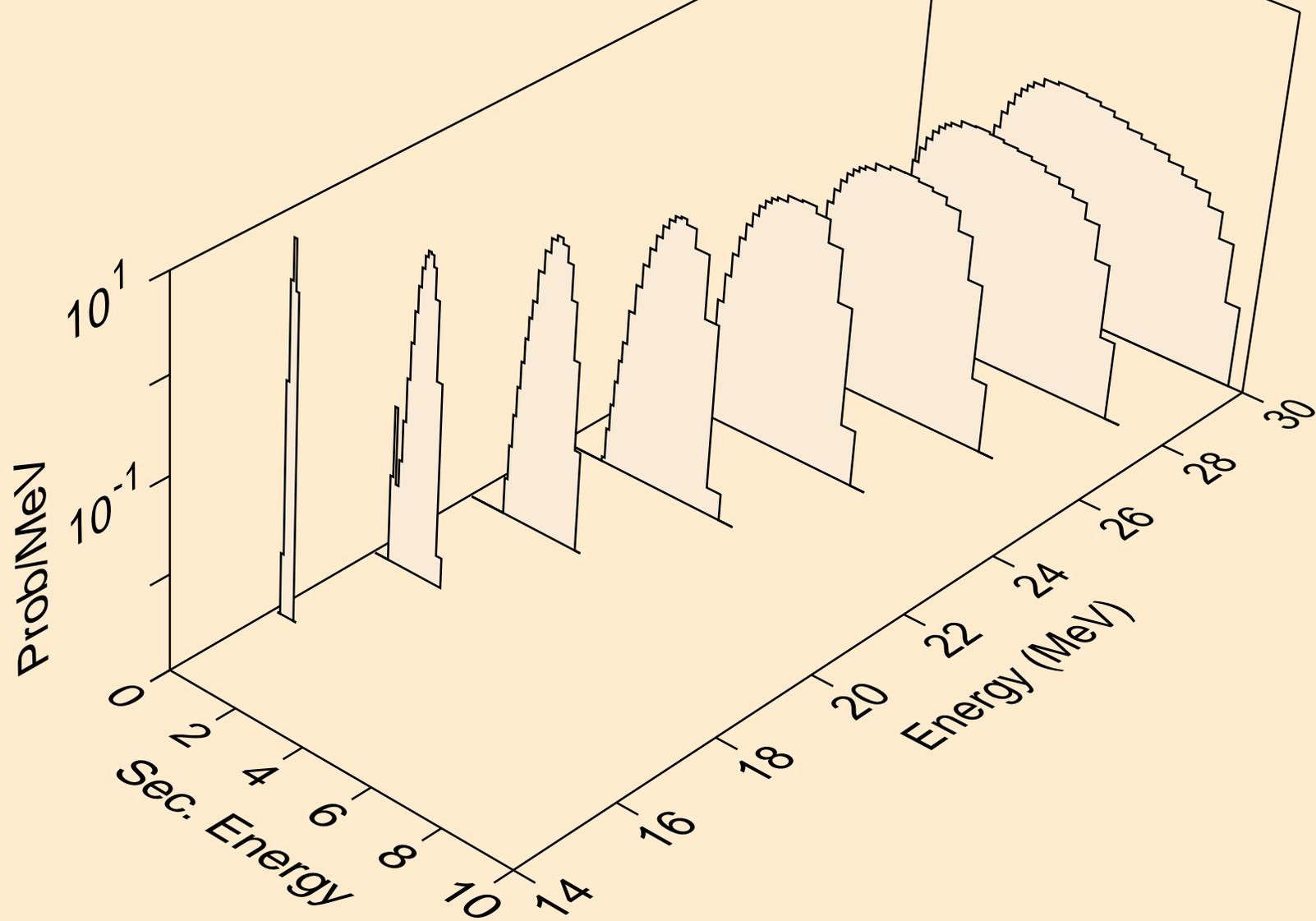Alpha emission for (a,3a)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
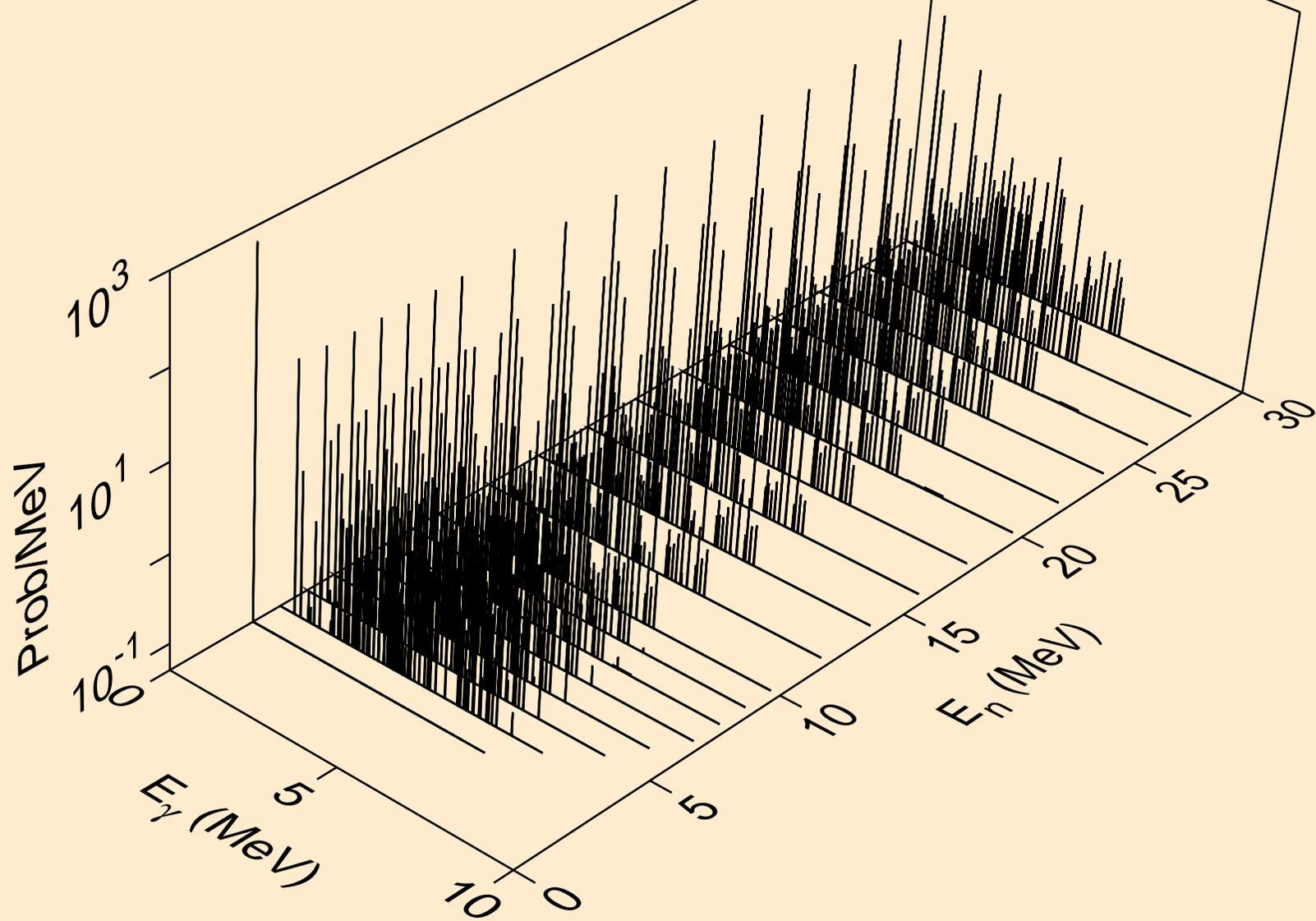Alpha emission for (a,pa)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
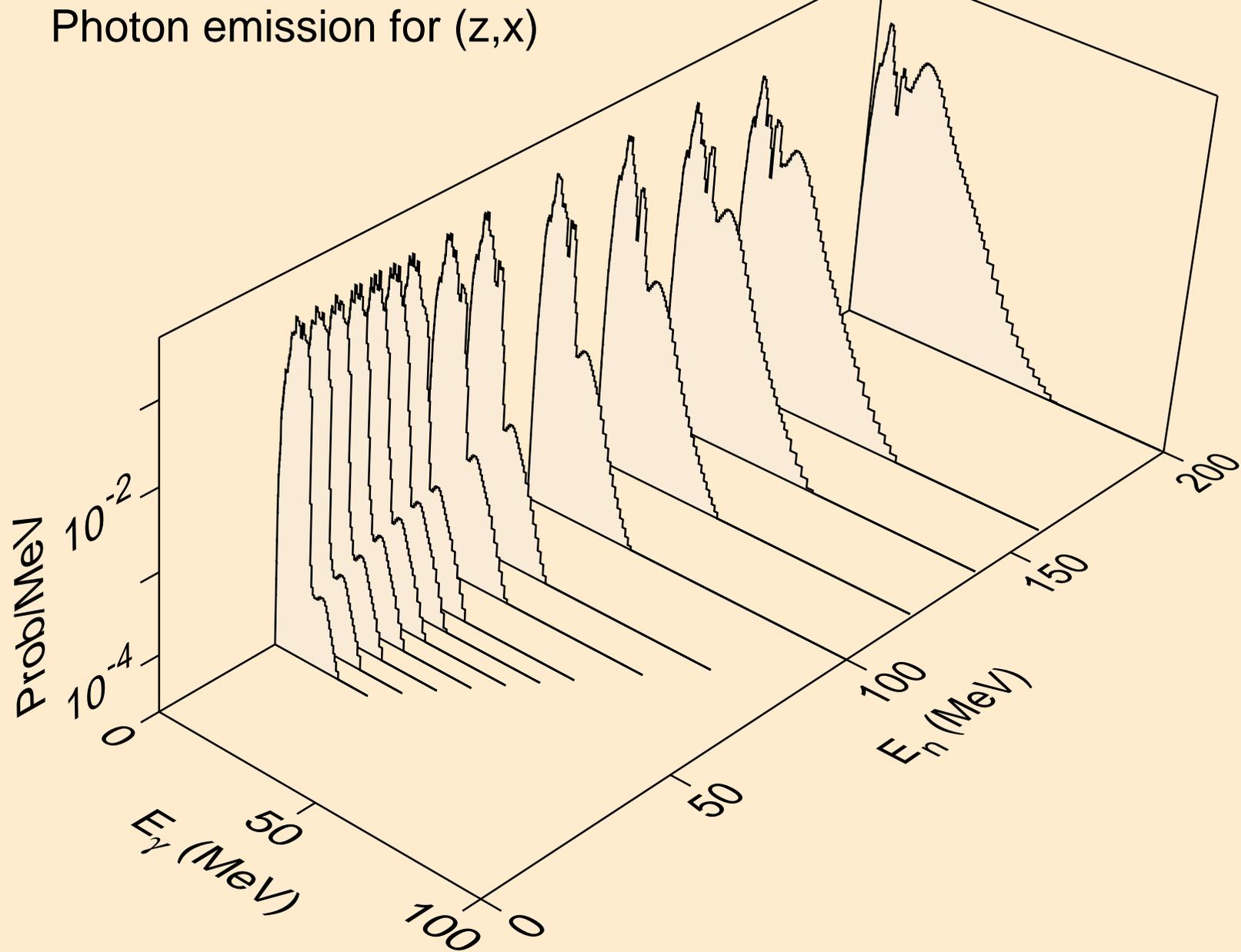Alpha emission for (a,d2a)

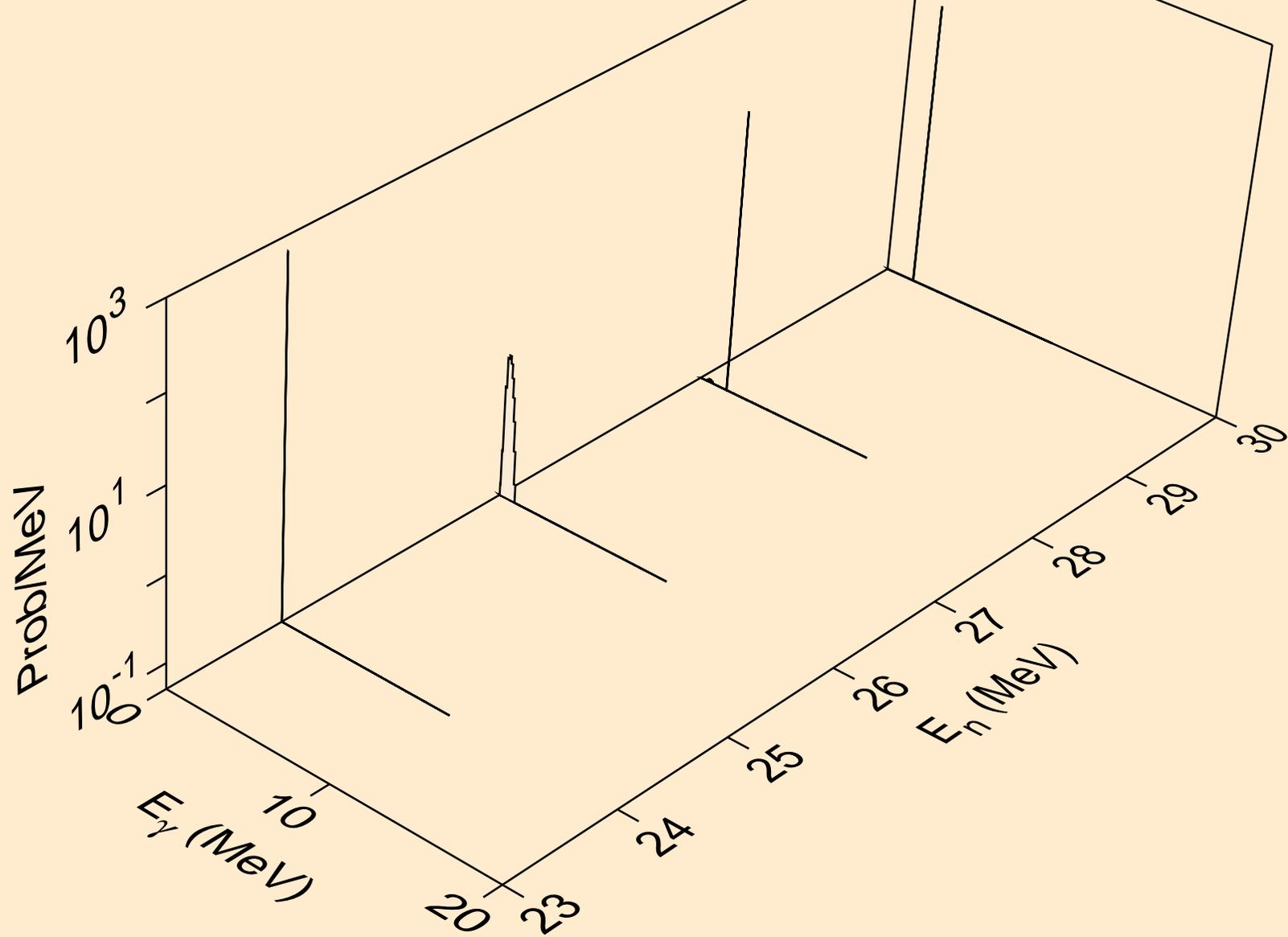F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Alpha emission for (a,da)

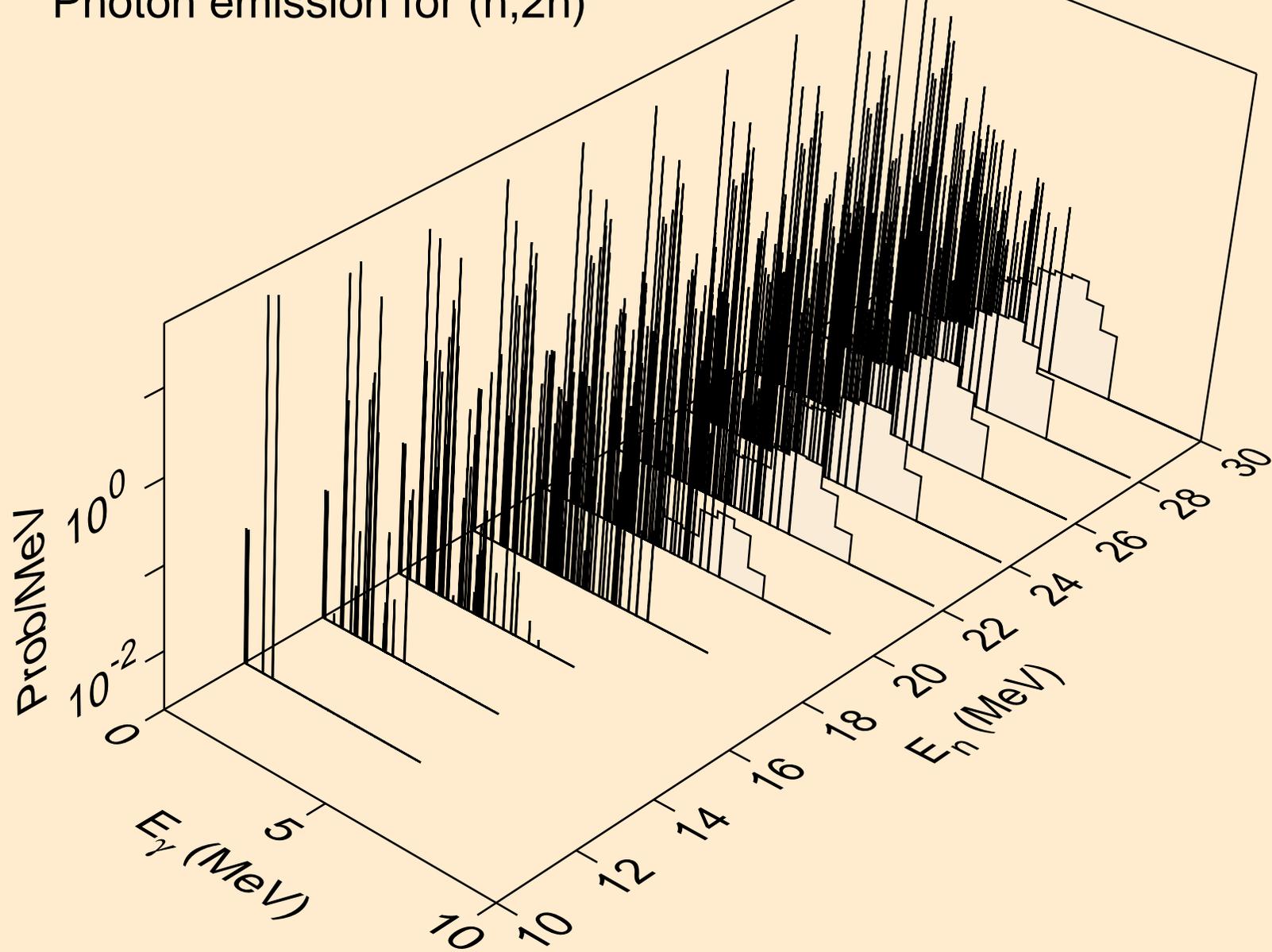F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,n)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,x)

Axes: Prob/MeV (10^{-2}, 10^{-4}); E_γ (MeV); E_n (MeV)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
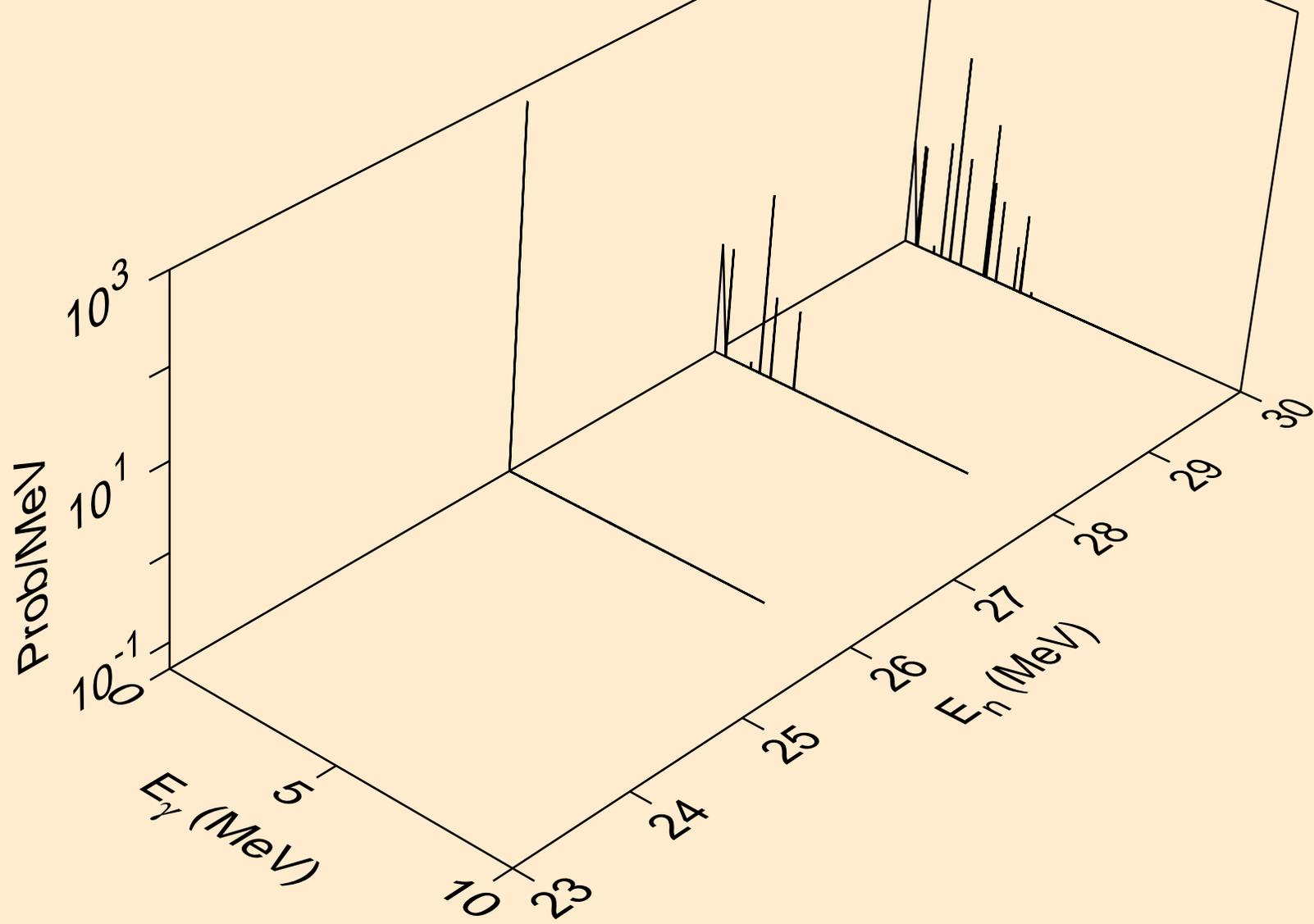Photon emission for (n,3n)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
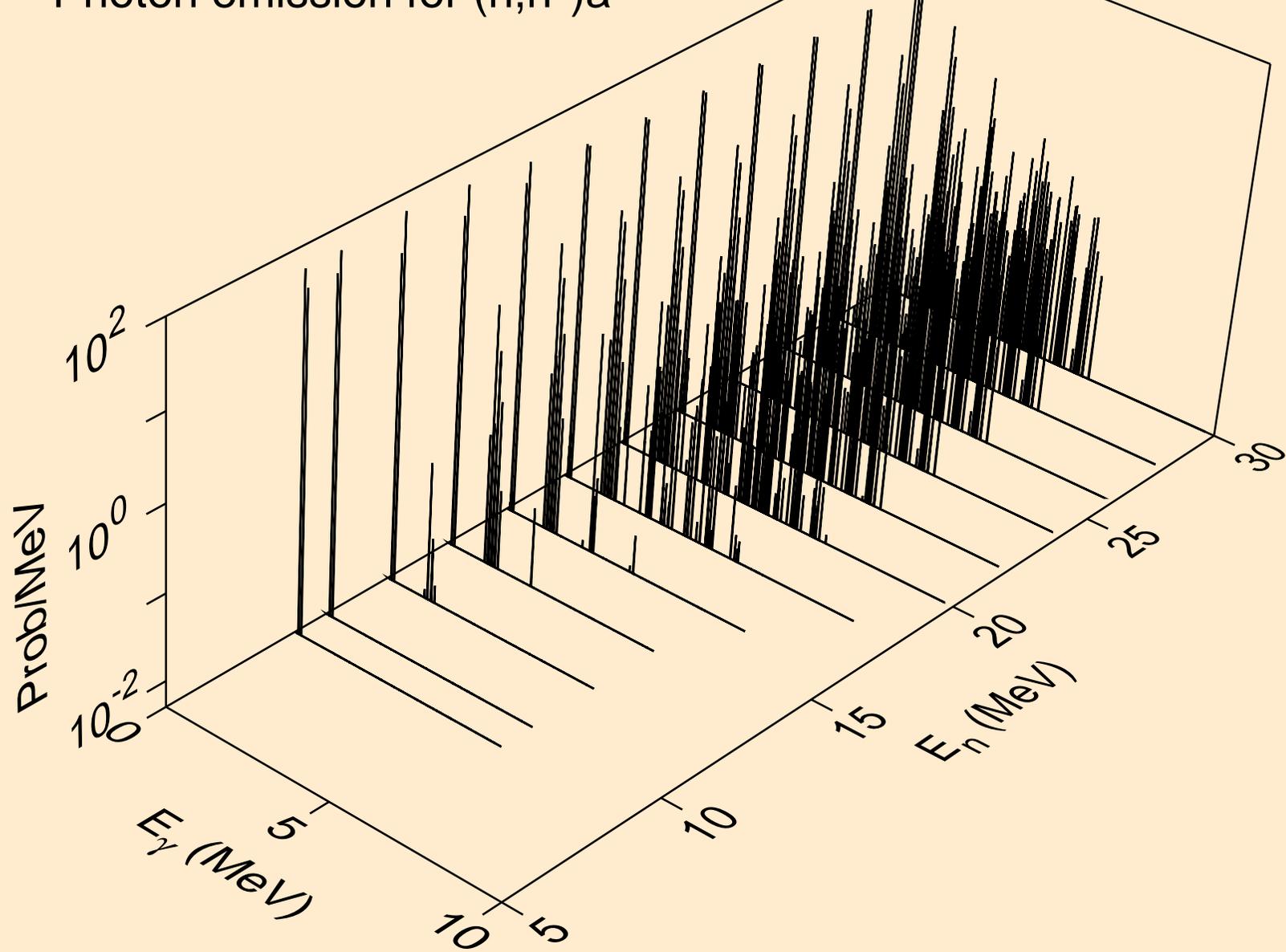Photon emission for (n,n*)a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
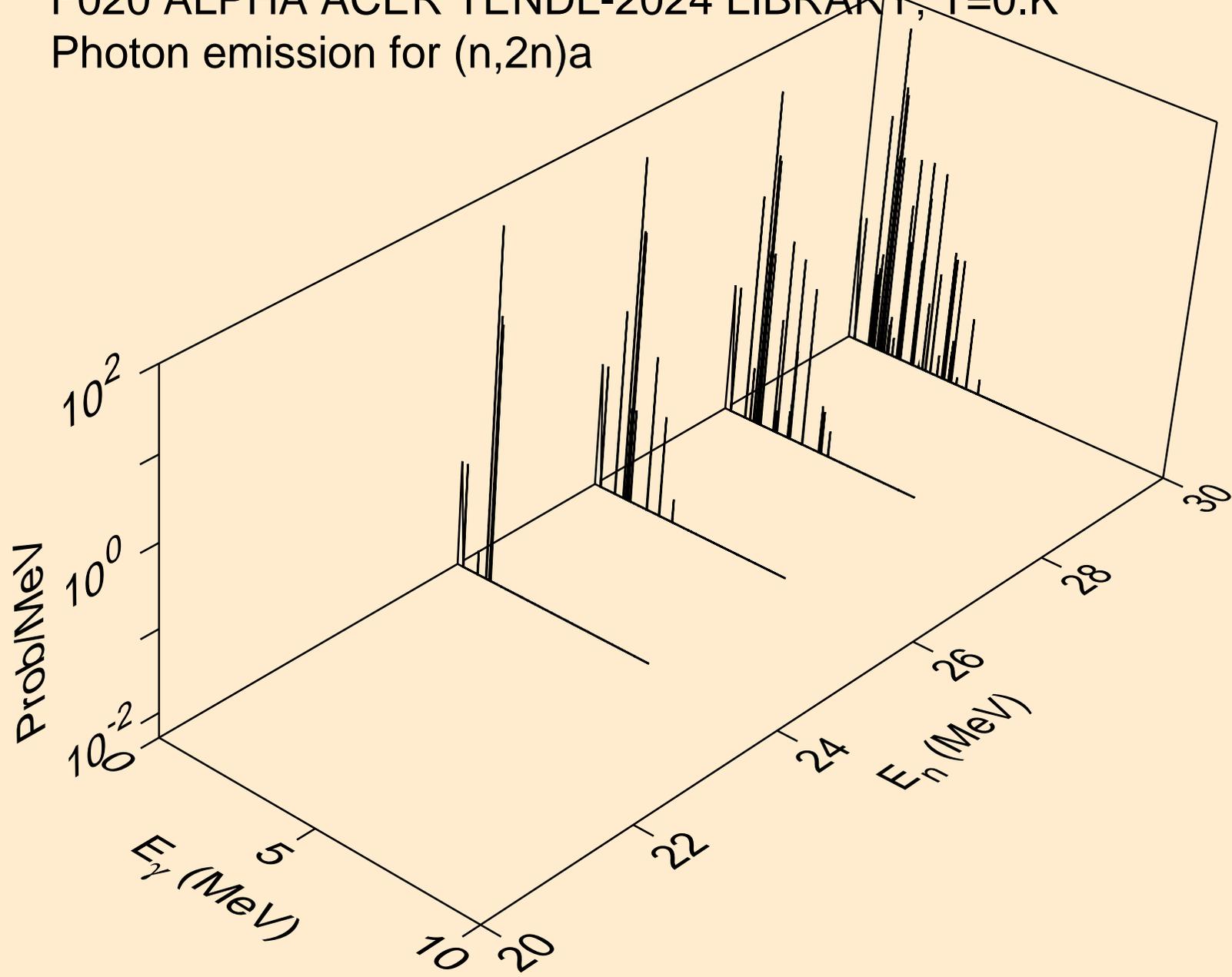Photon emission for (n,2n)a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
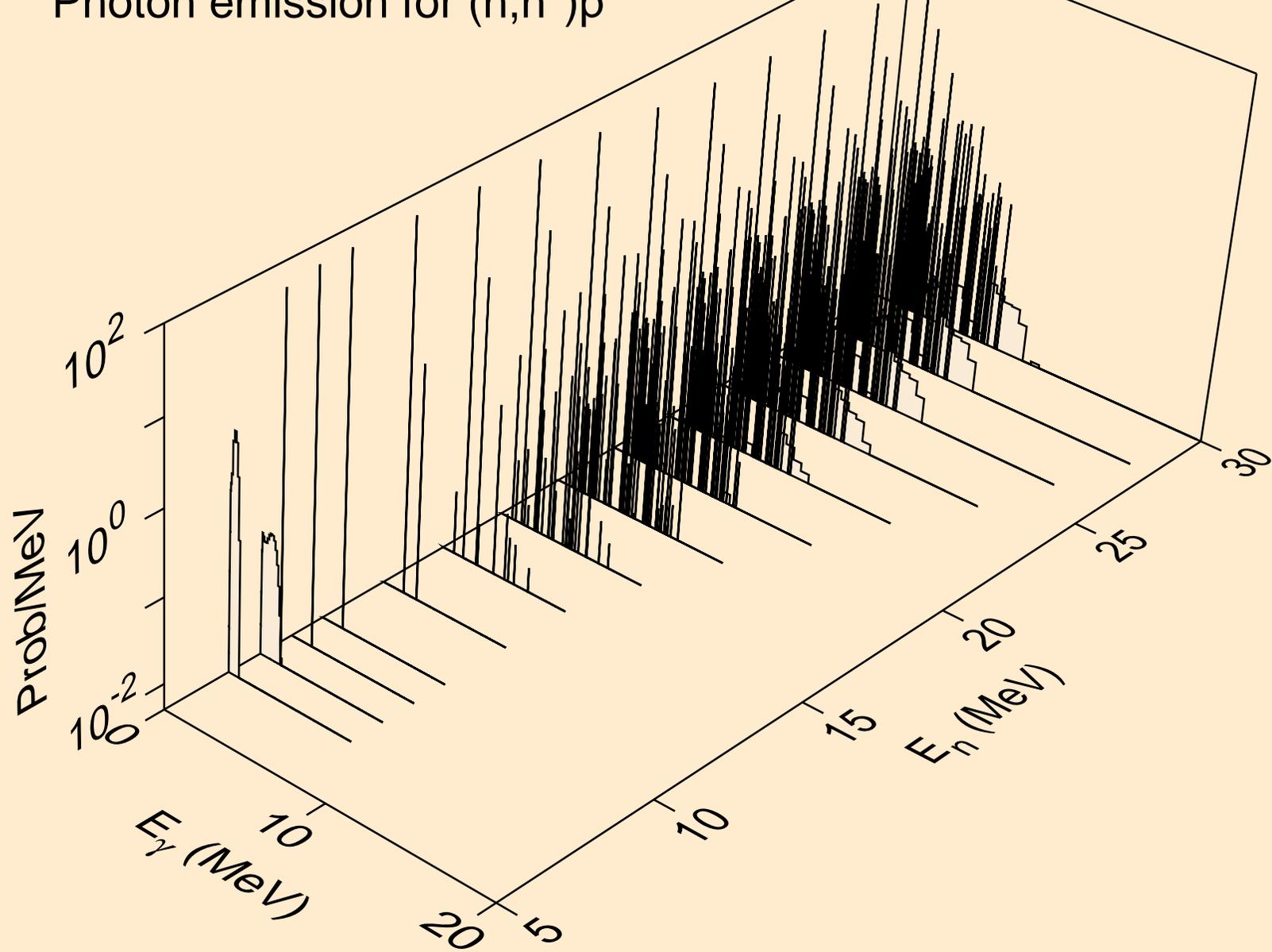Photon emission for (n,n*)p

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
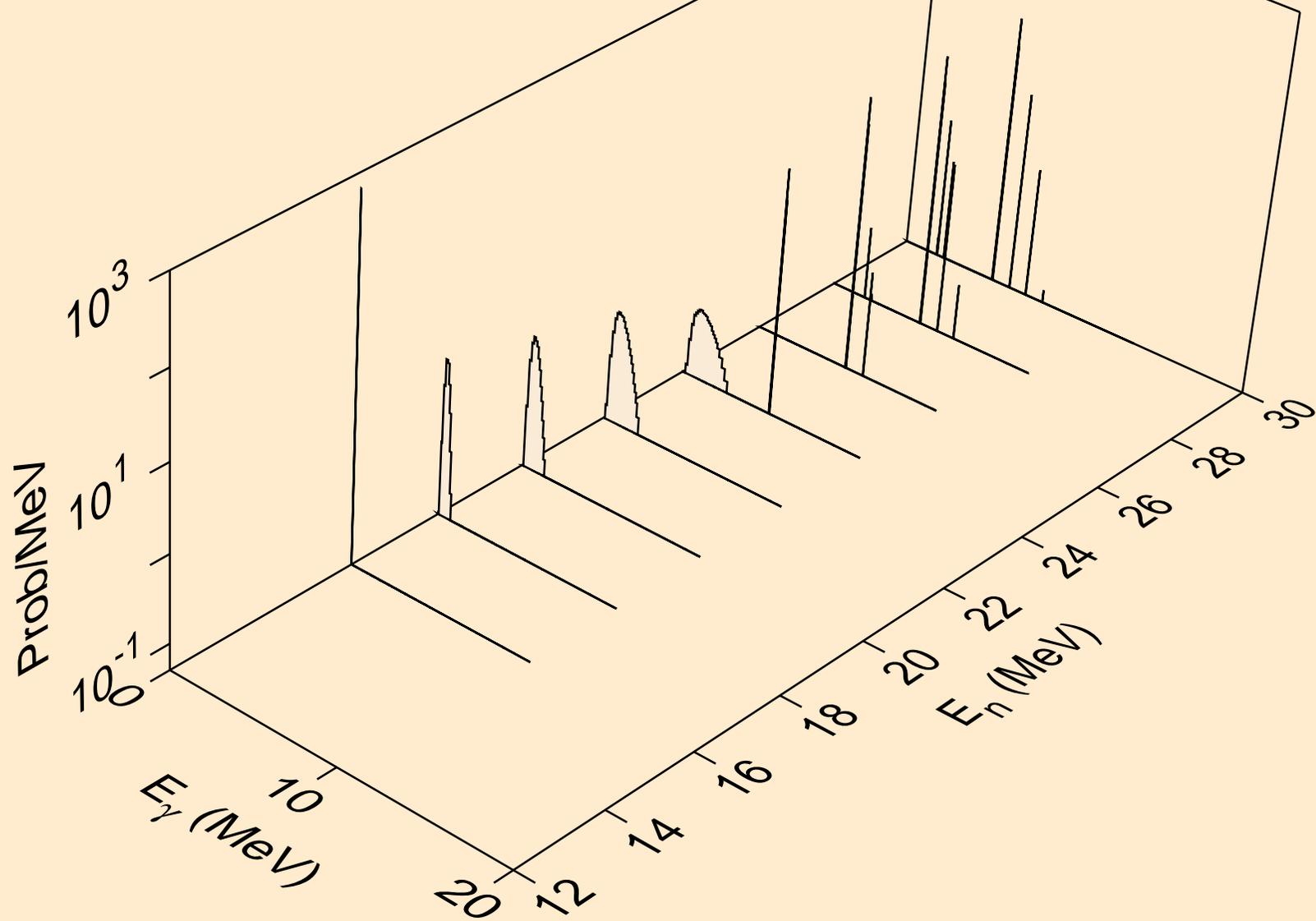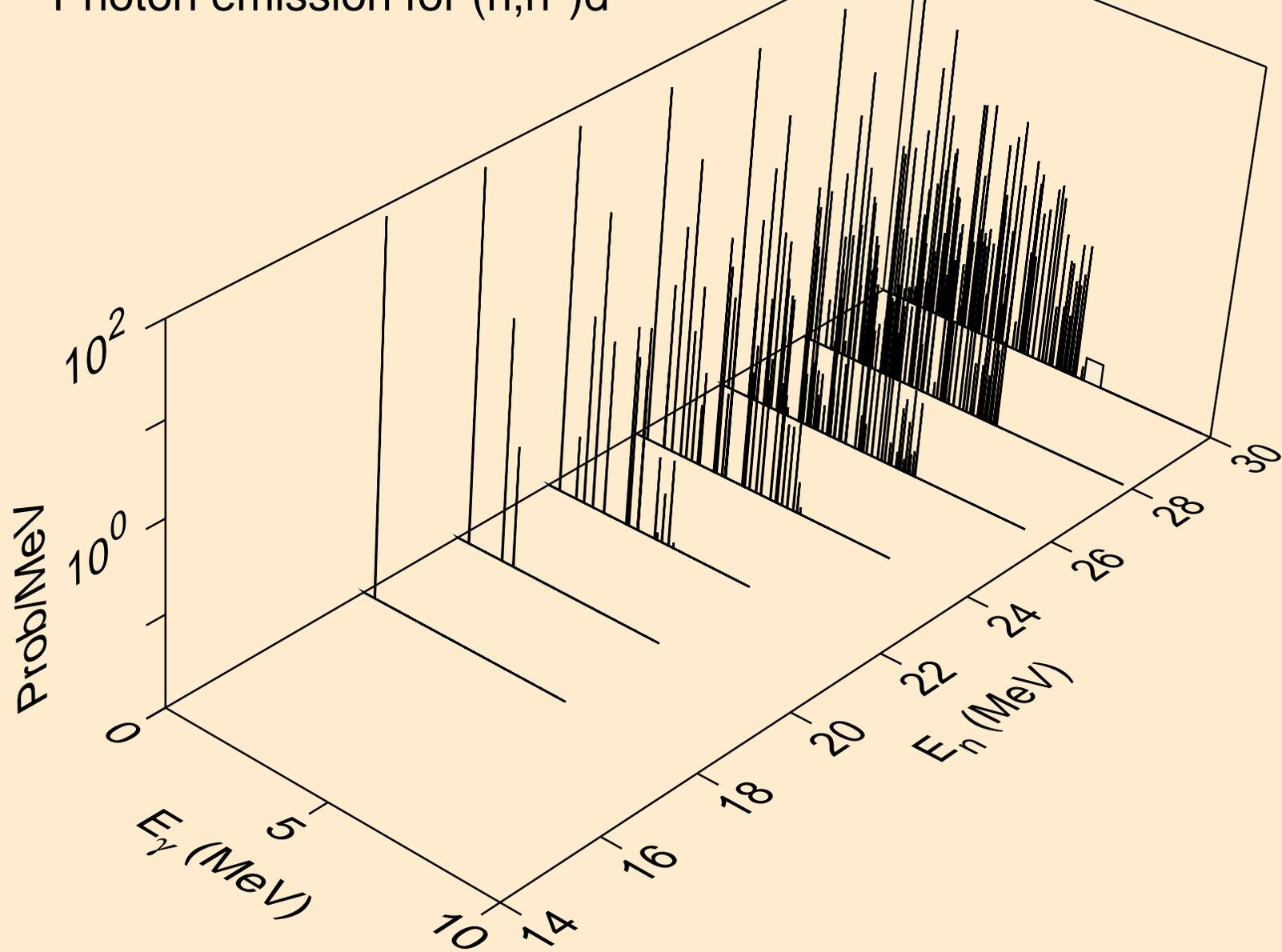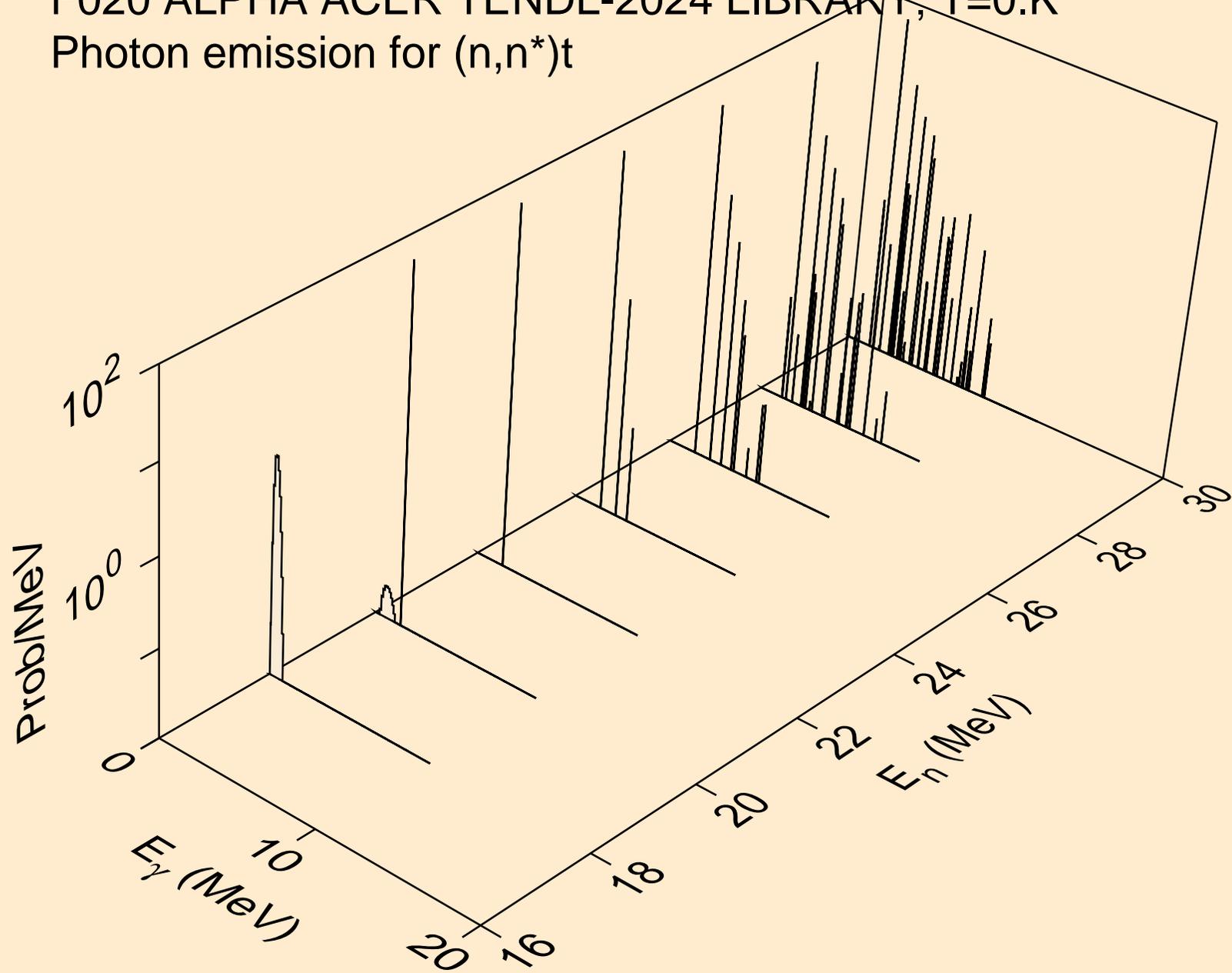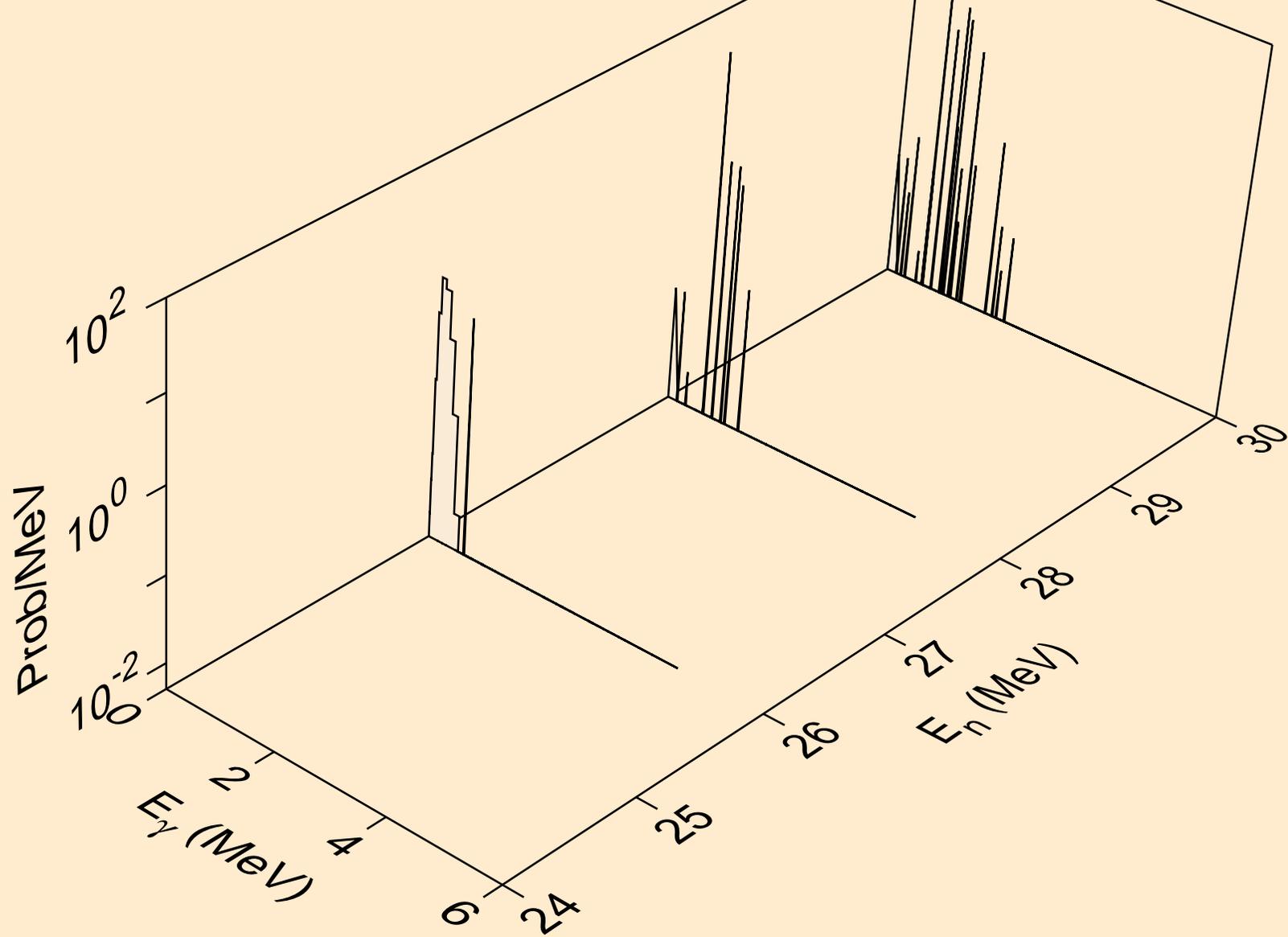Photon emission for (n,n*)2a

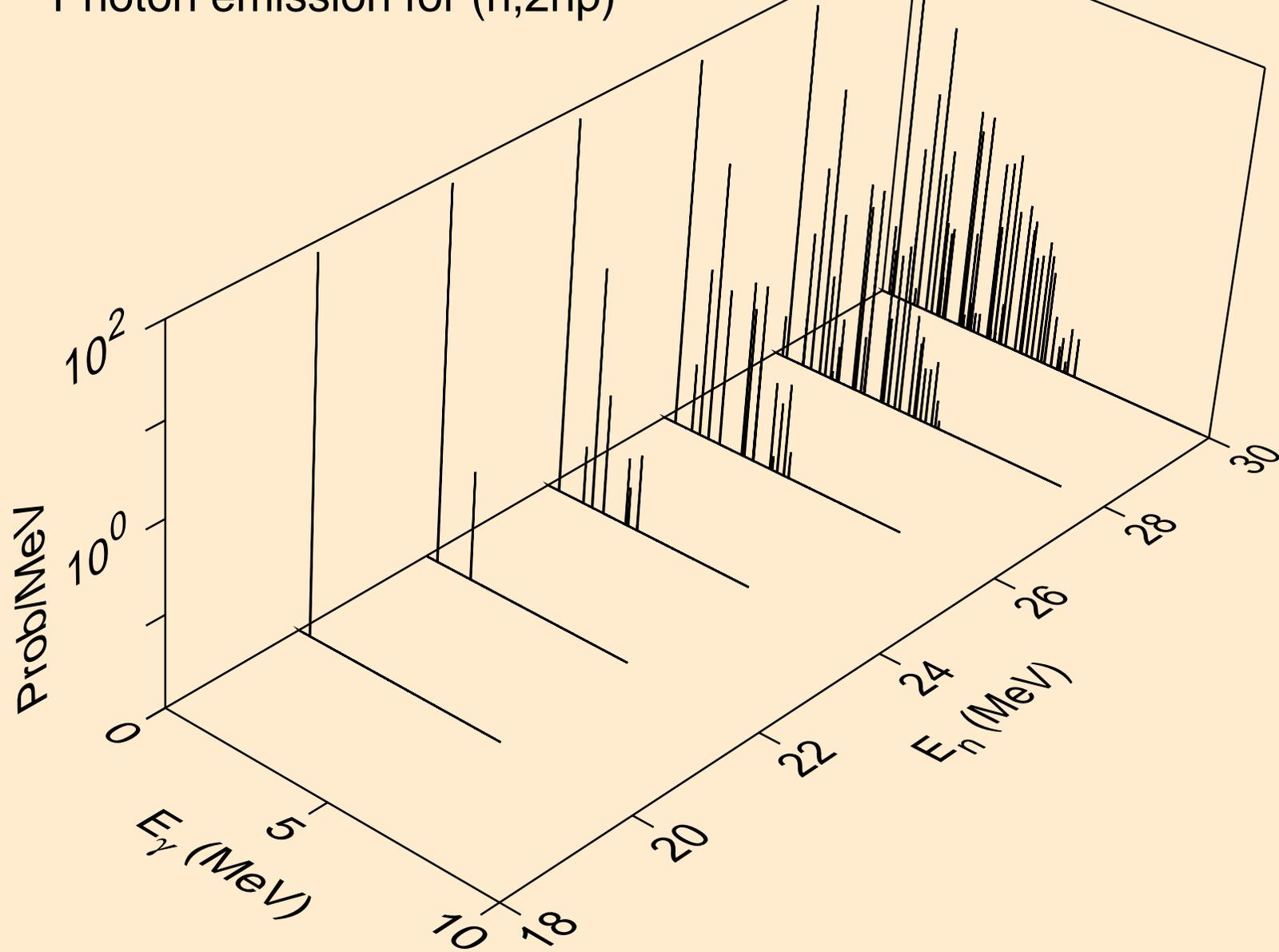F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
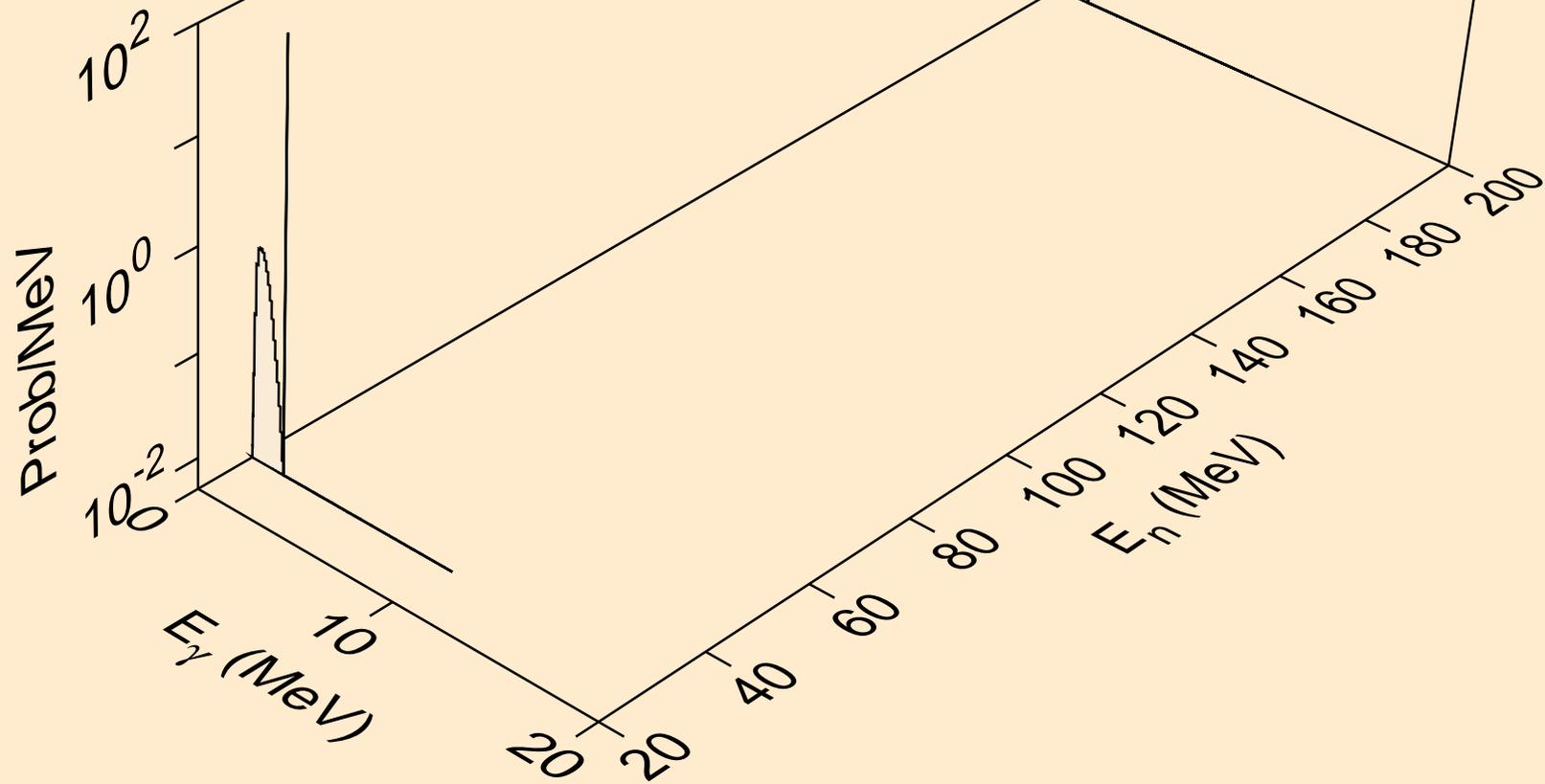Photon emission for (n,n*)t

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3

Prob/MeV

10^2

10^0

10^{-2}

E_γ (MeV)

2

4

6

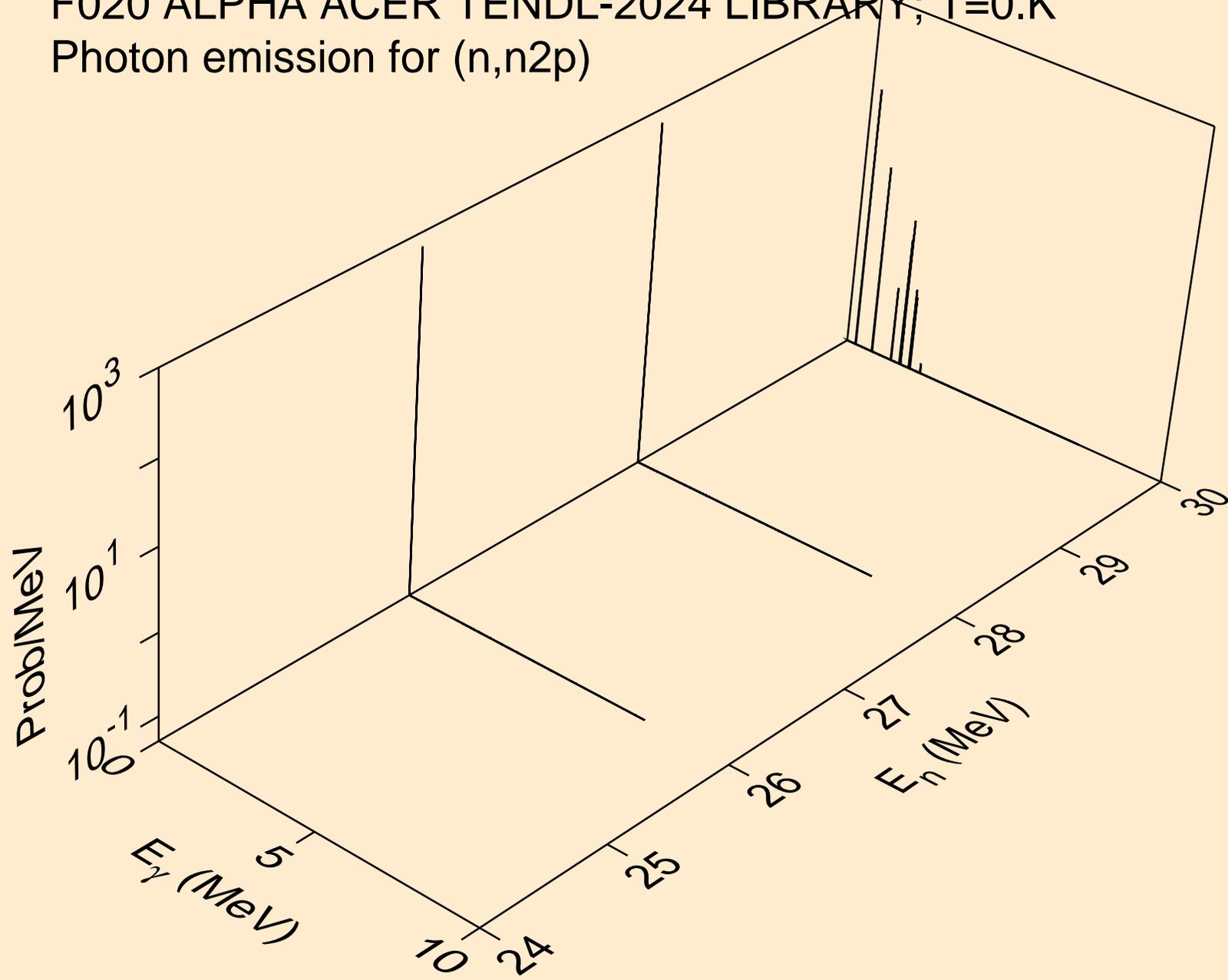E_n (MeV)

24

25

26

27

28

29

30

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
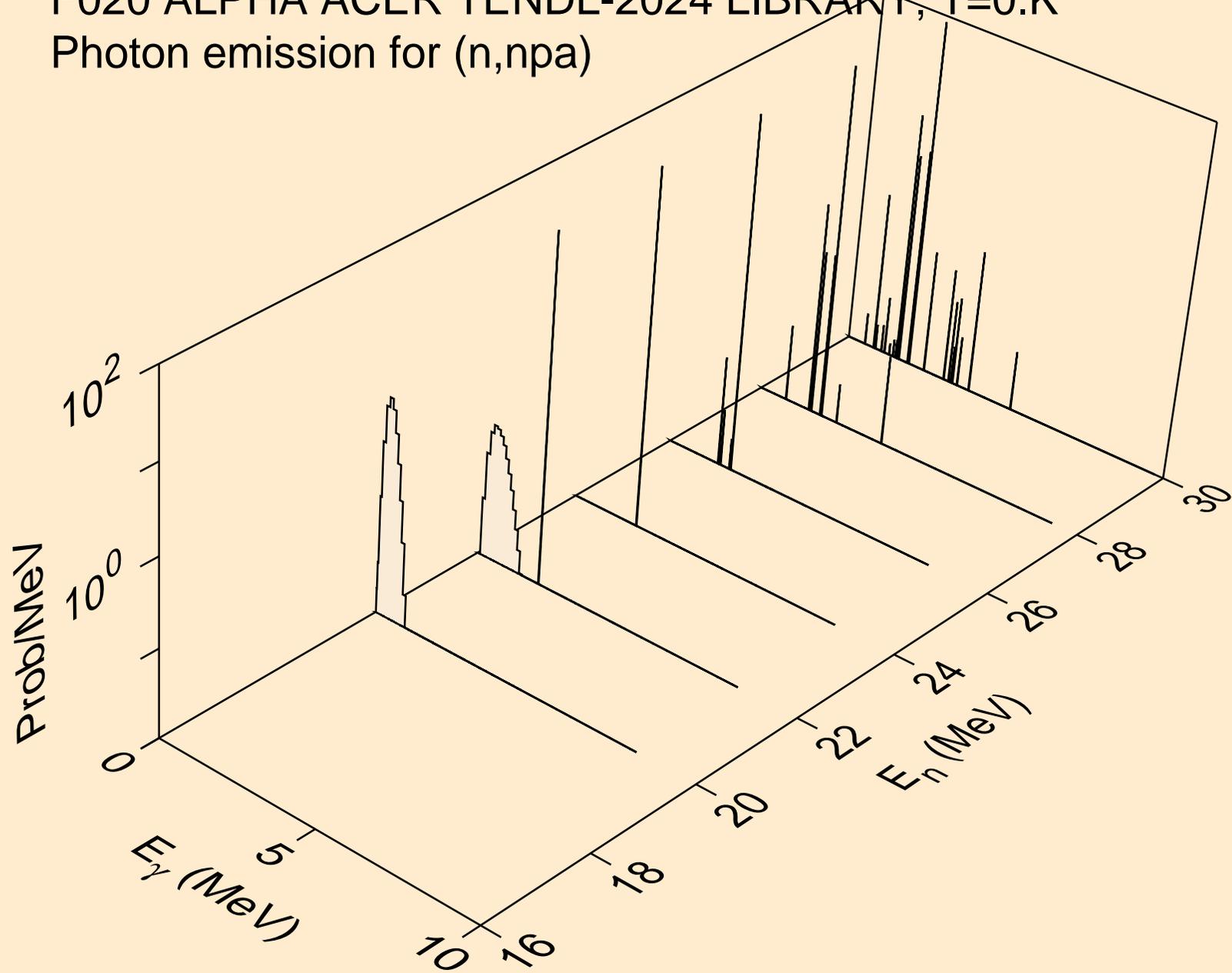Photon emission for (n,2np)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
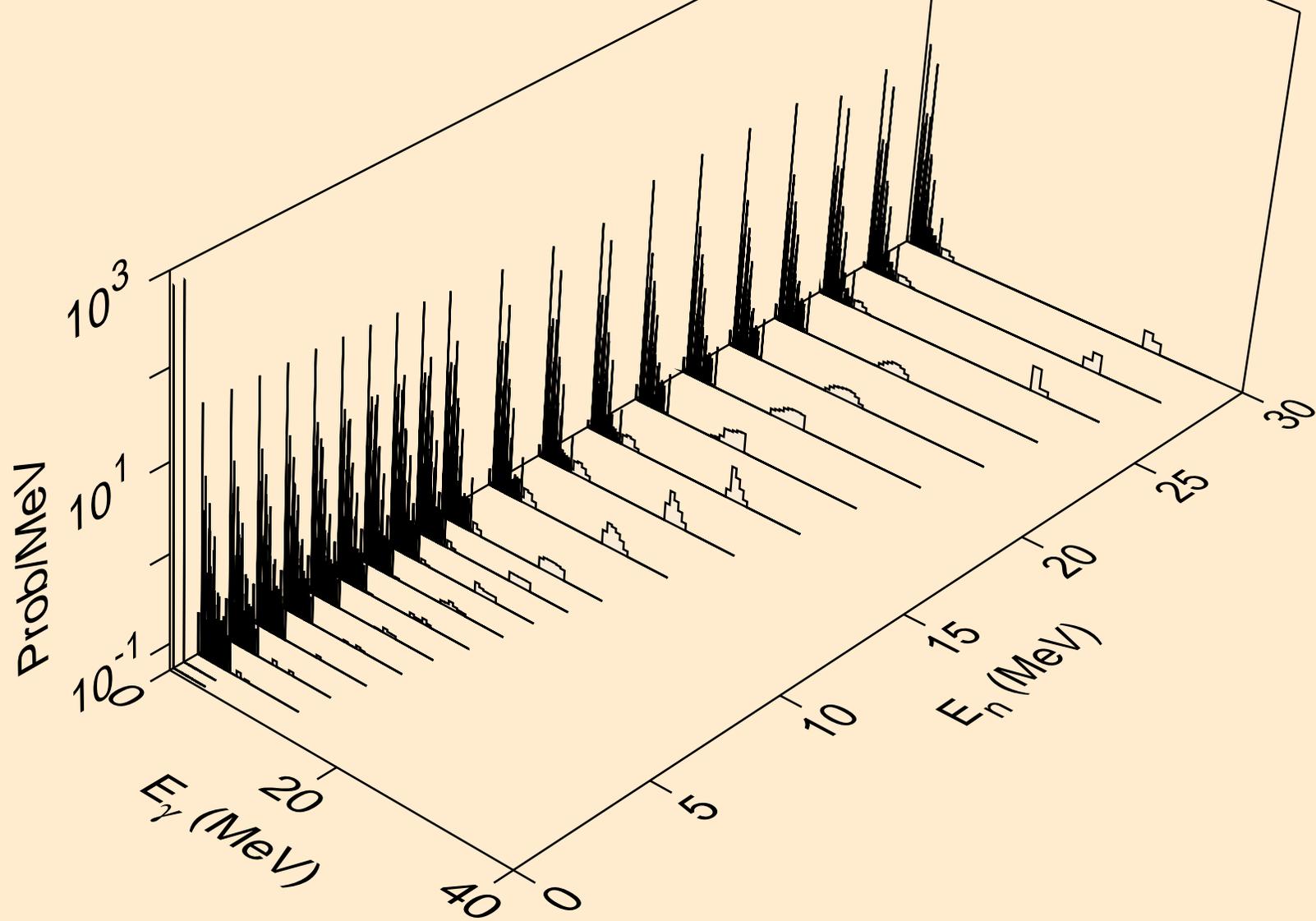Photon emission for (n,3np)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
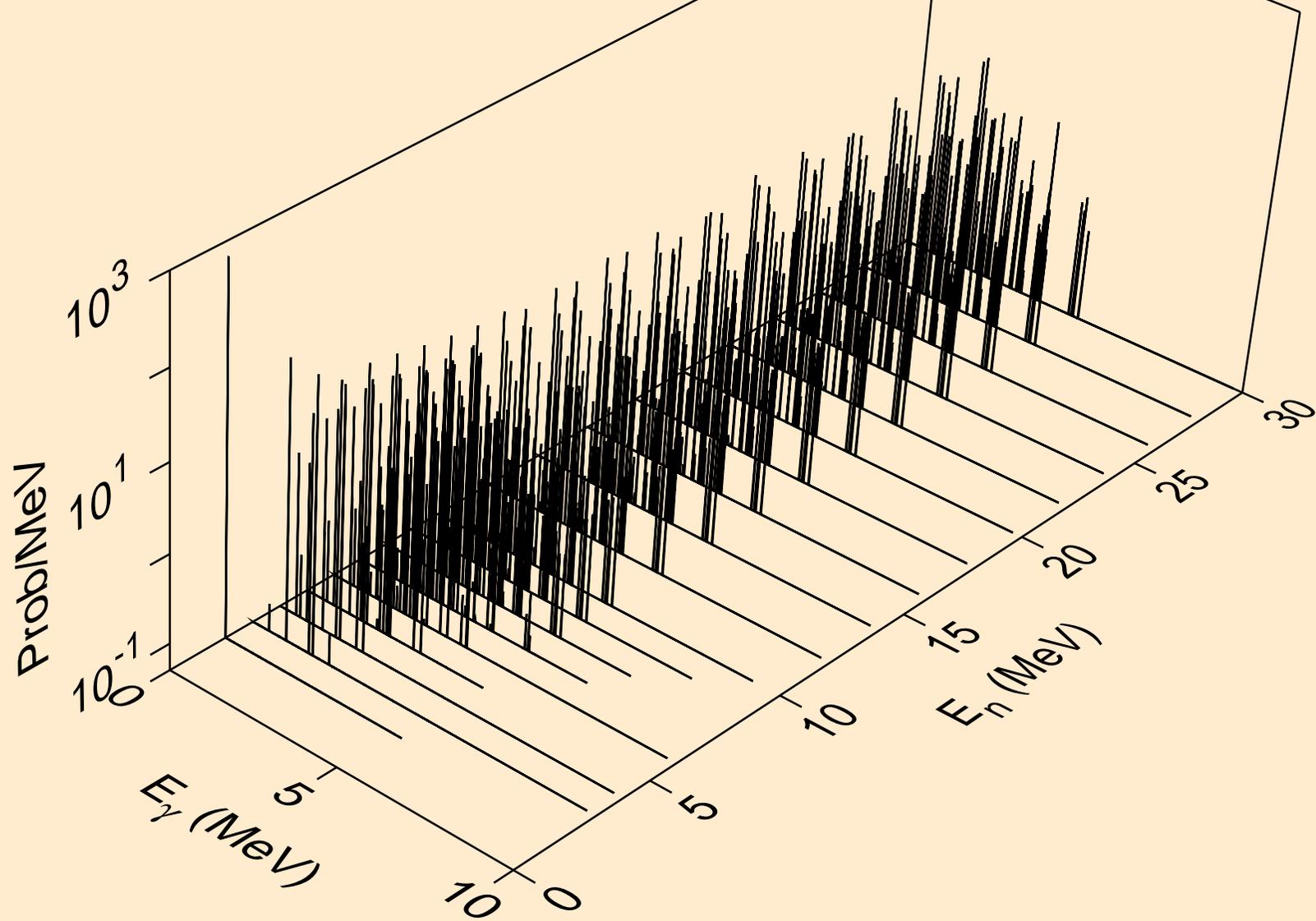Photon emission for (n,n2p)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
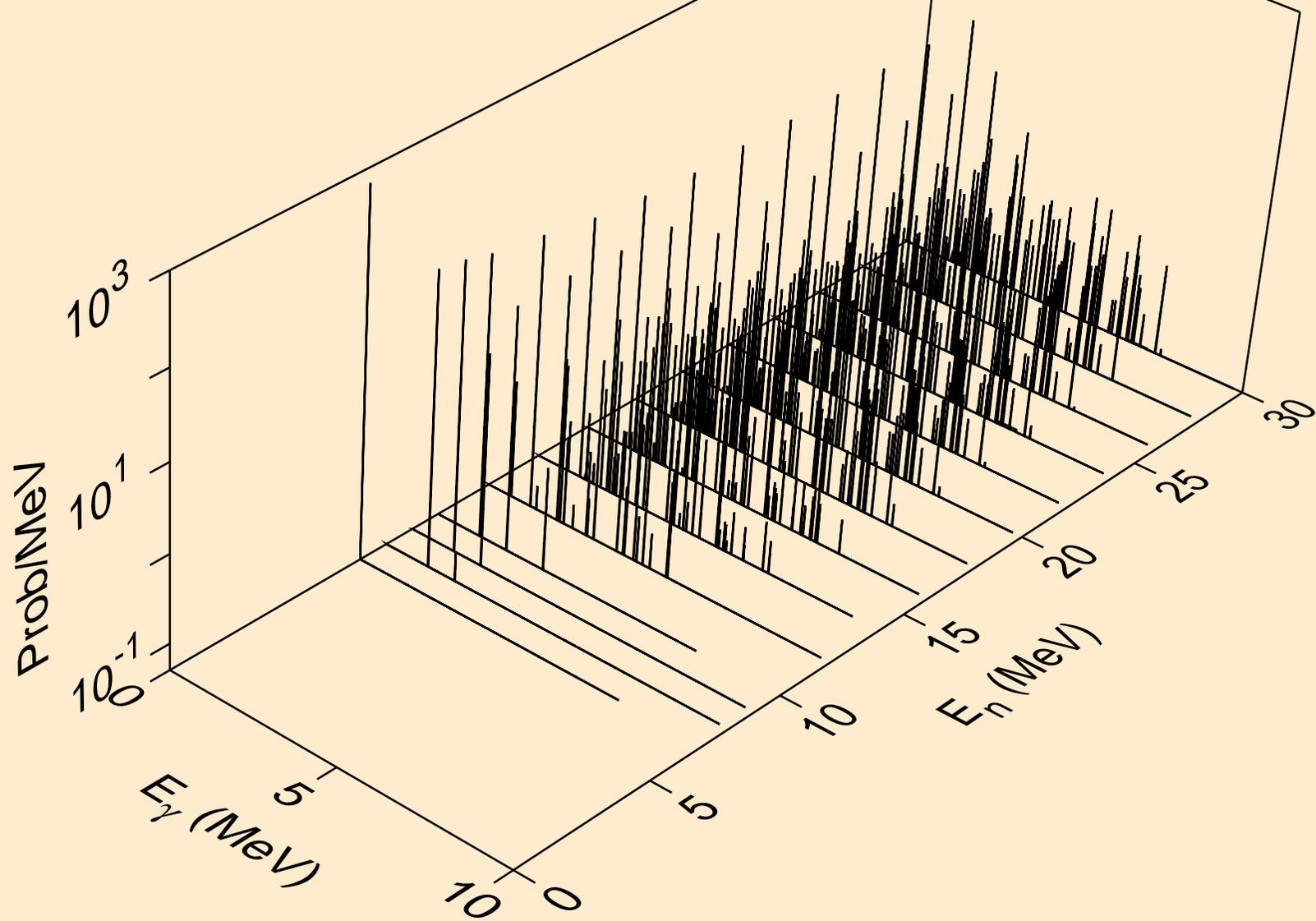Photon emission for (n,npa)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
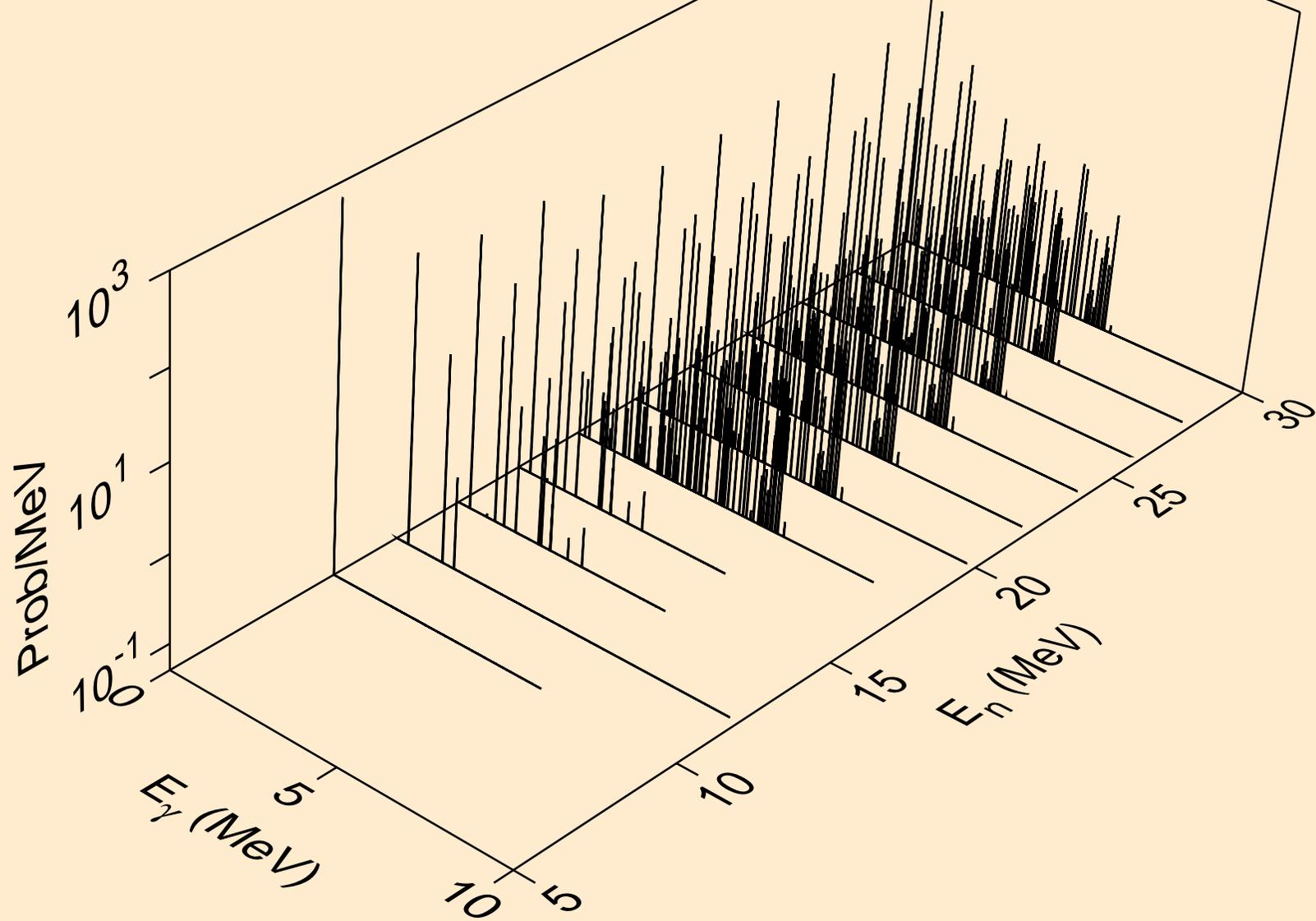Photon emission for (n,gma)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
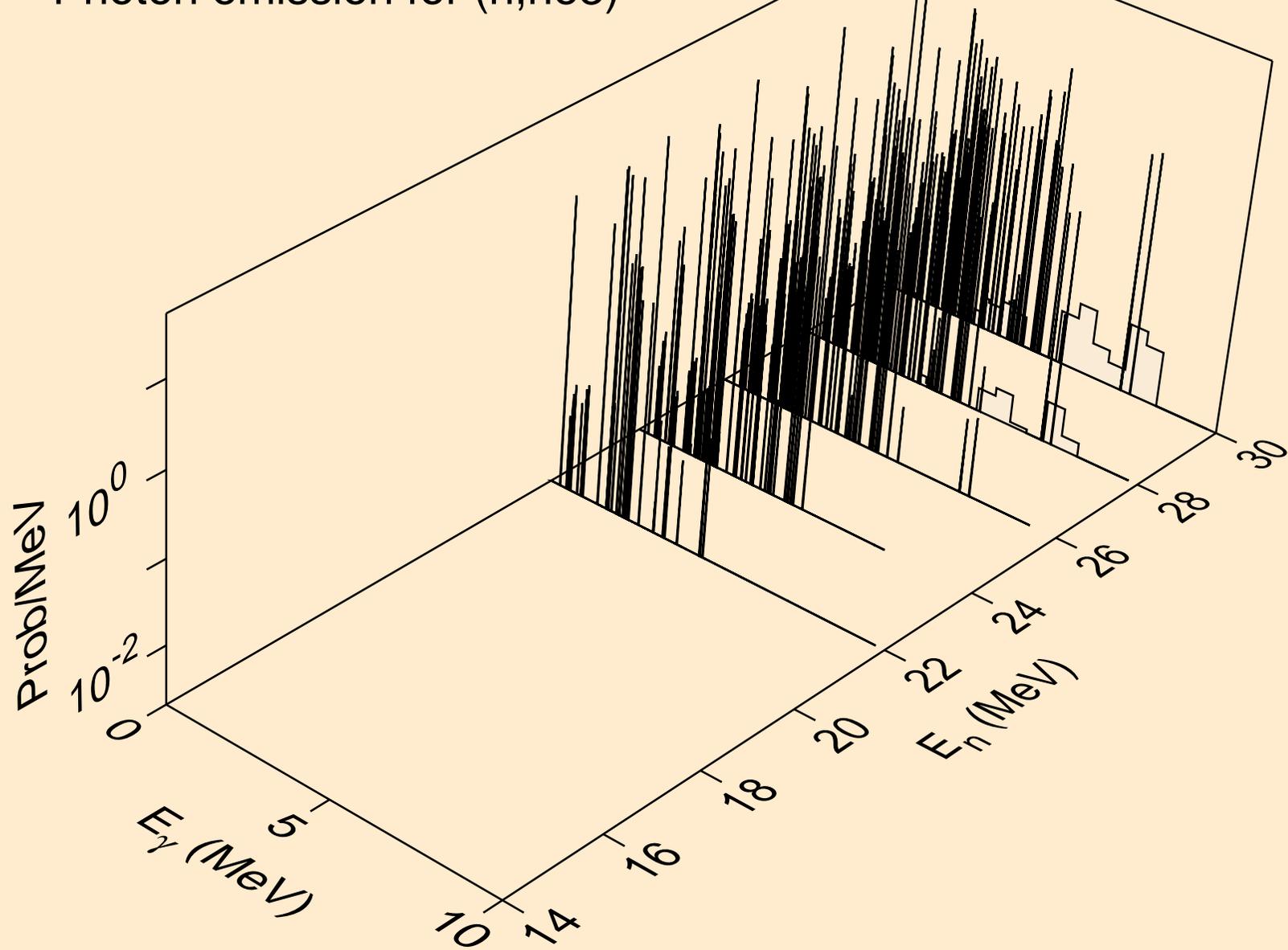Photon emission for (n,p)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
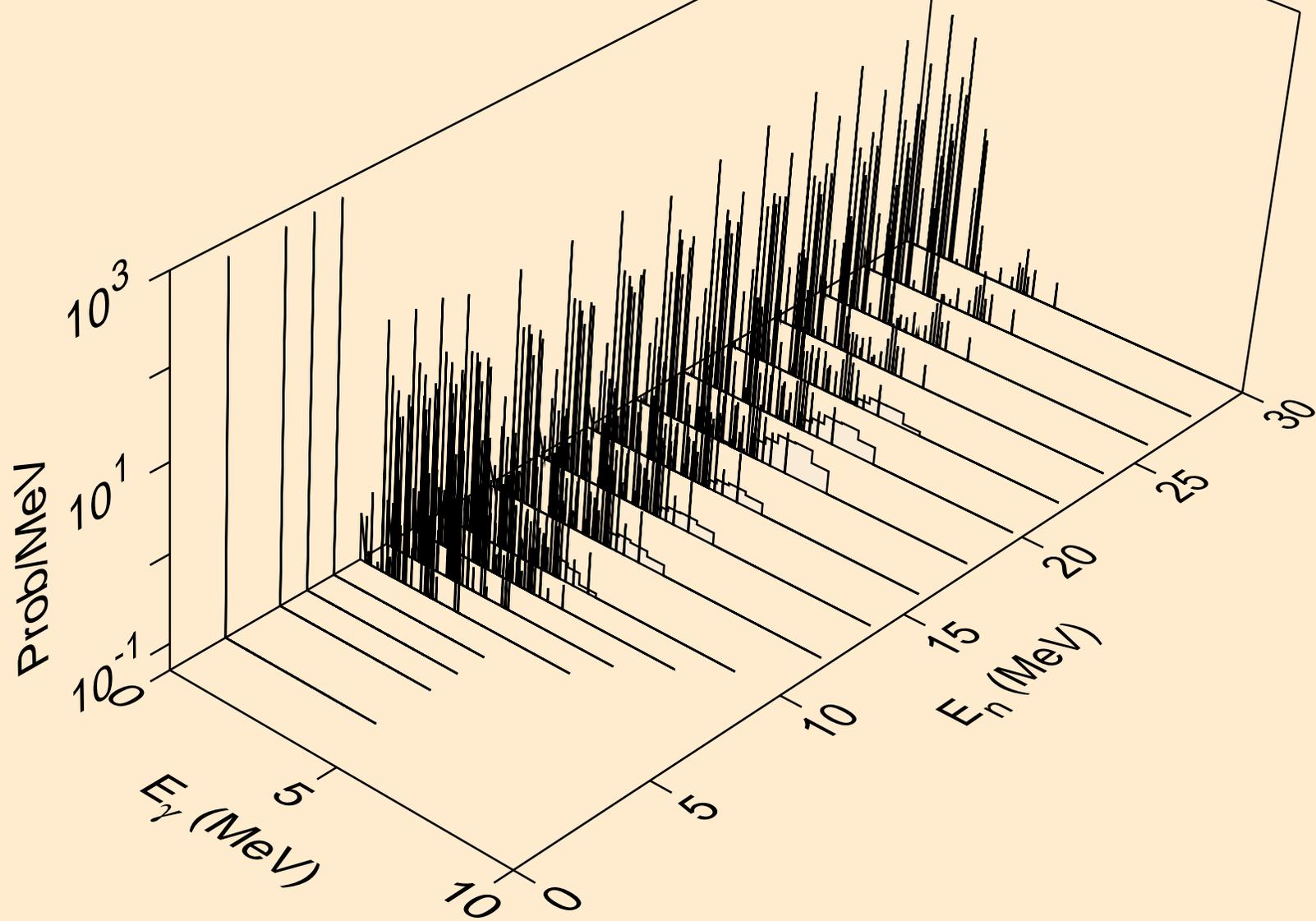Photon emission for (n,d)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
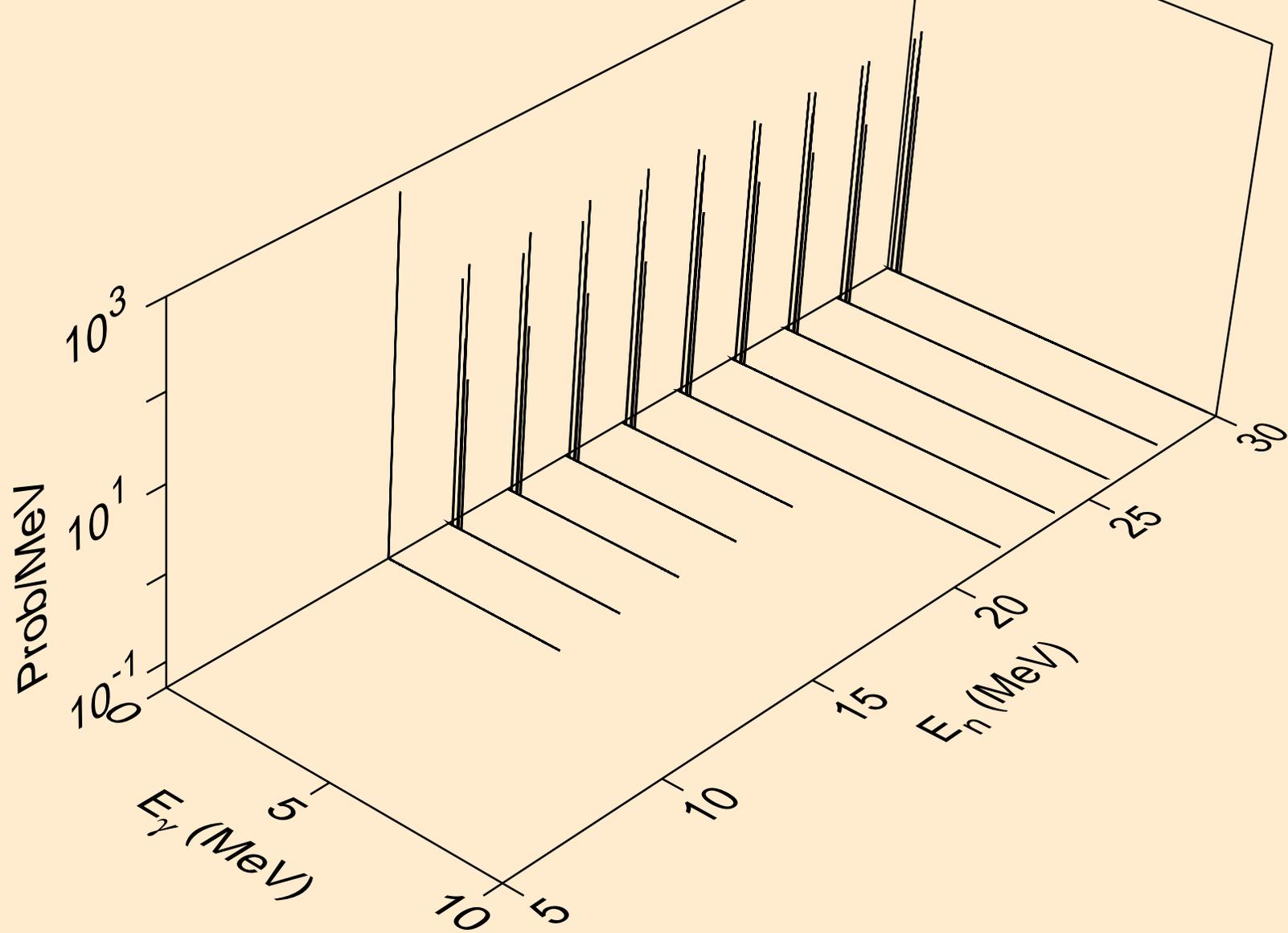Photon emission for (n,t)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
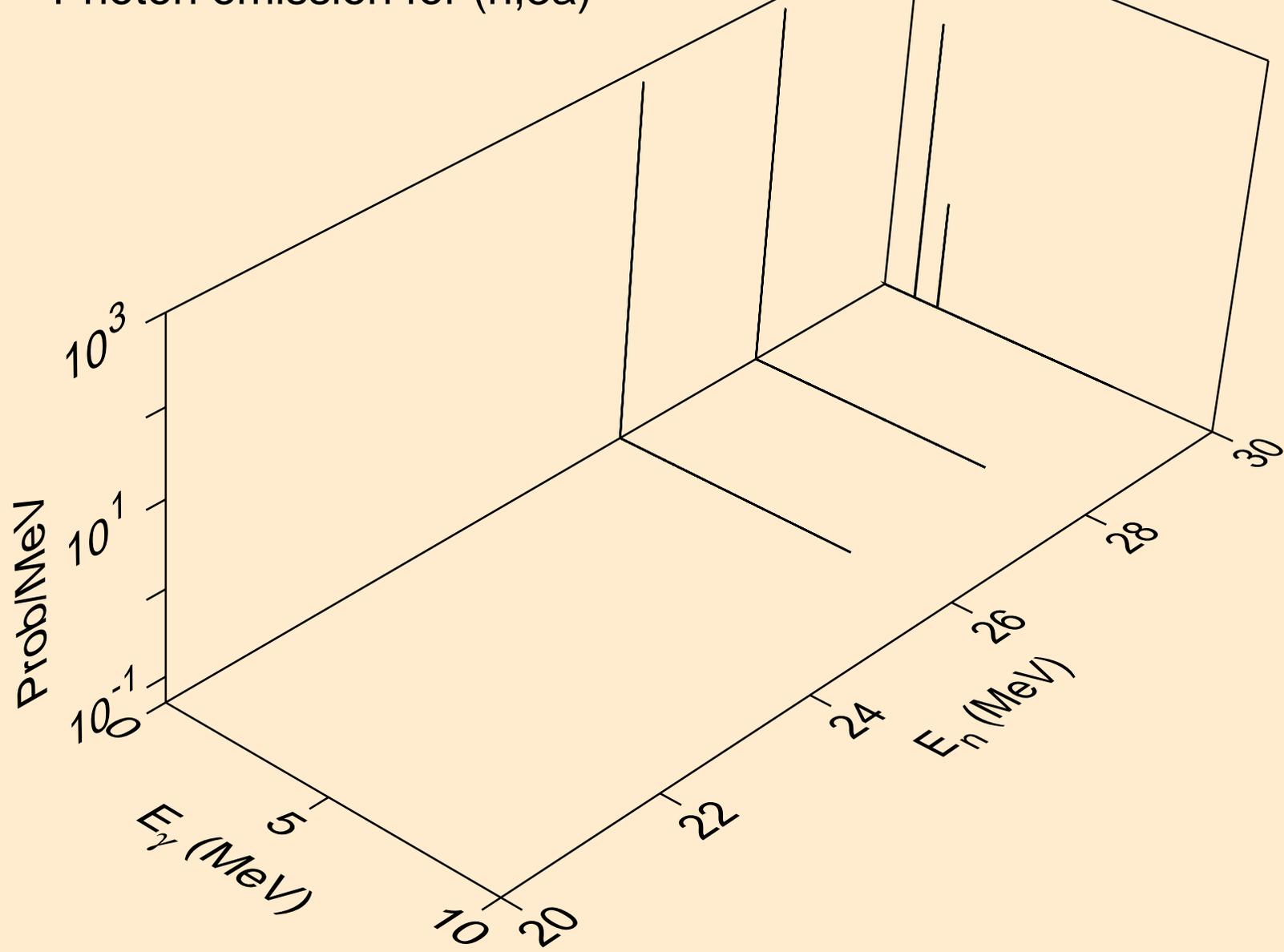Photon emission for (n,he3)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
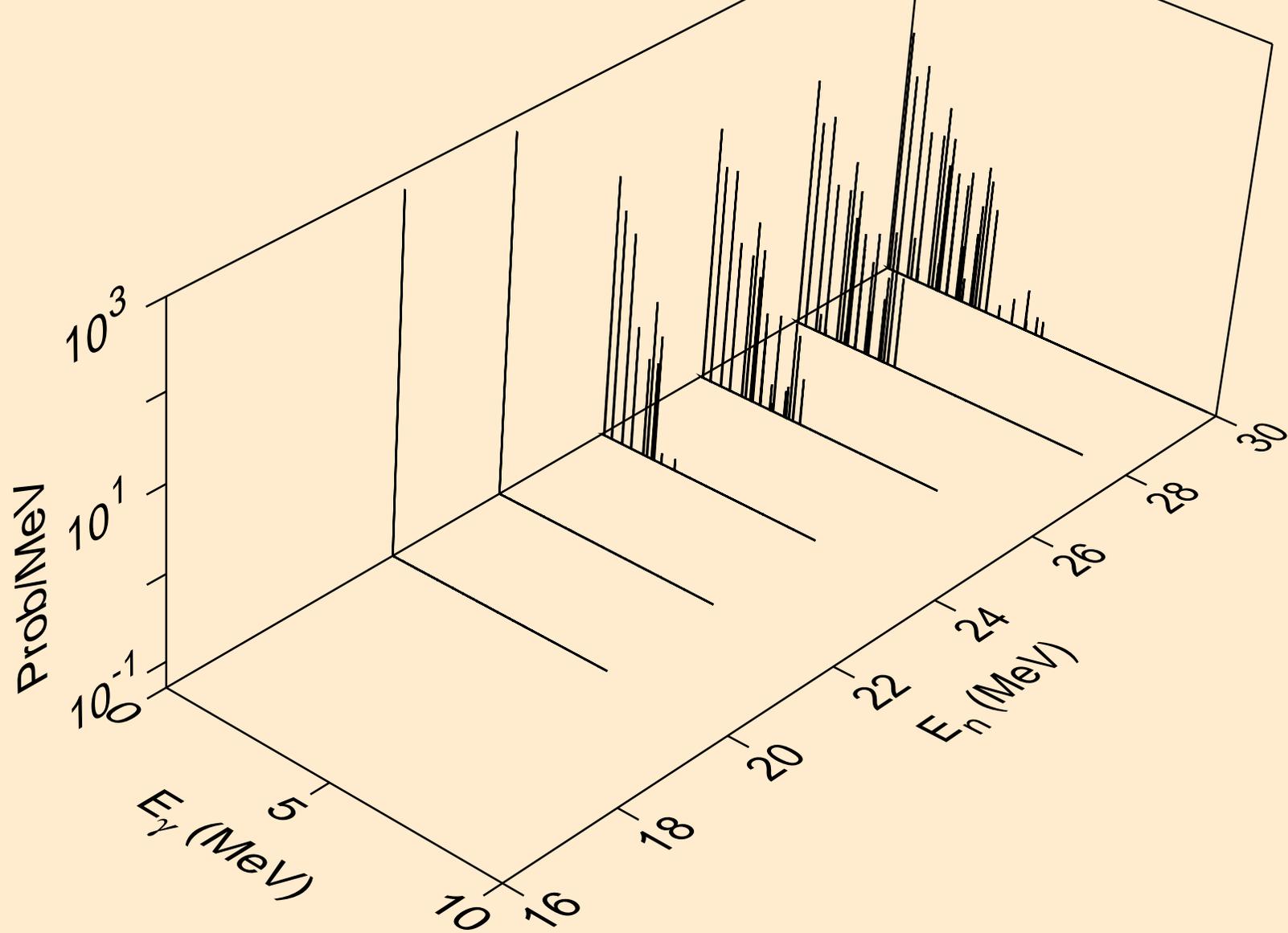Photon emission for inelastic

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
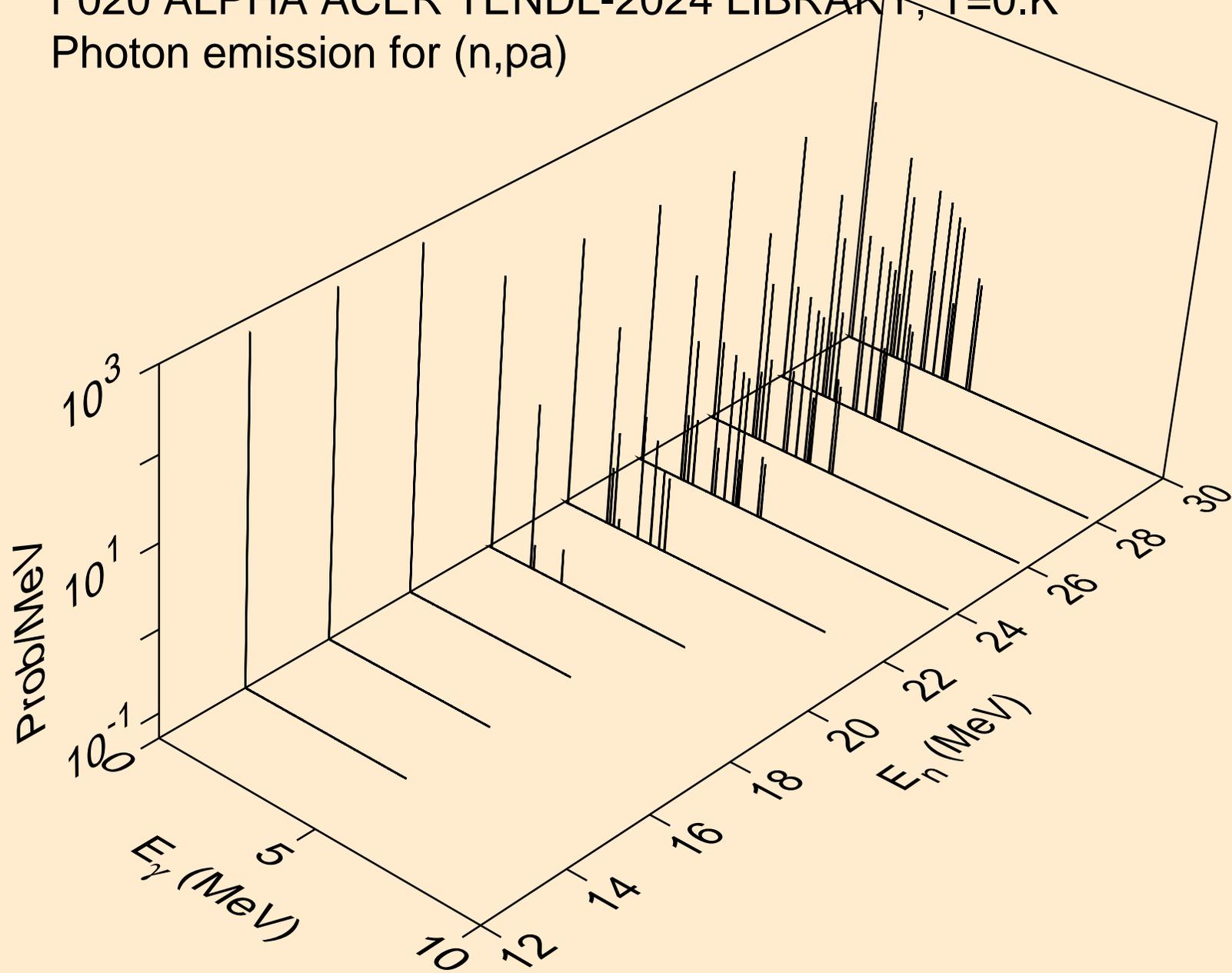Photon emission for (n,2a)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
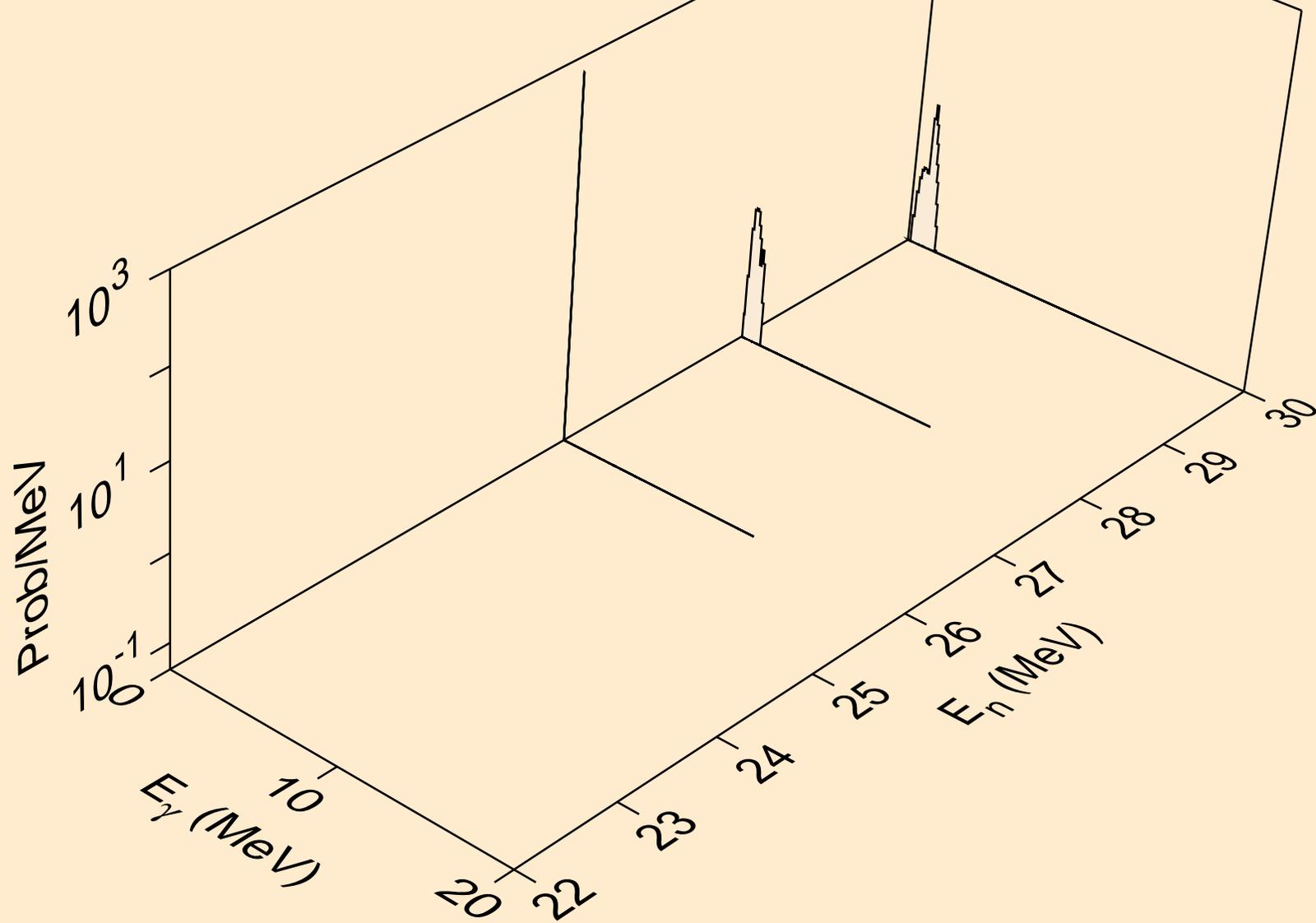Photon emission for (n,3a)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
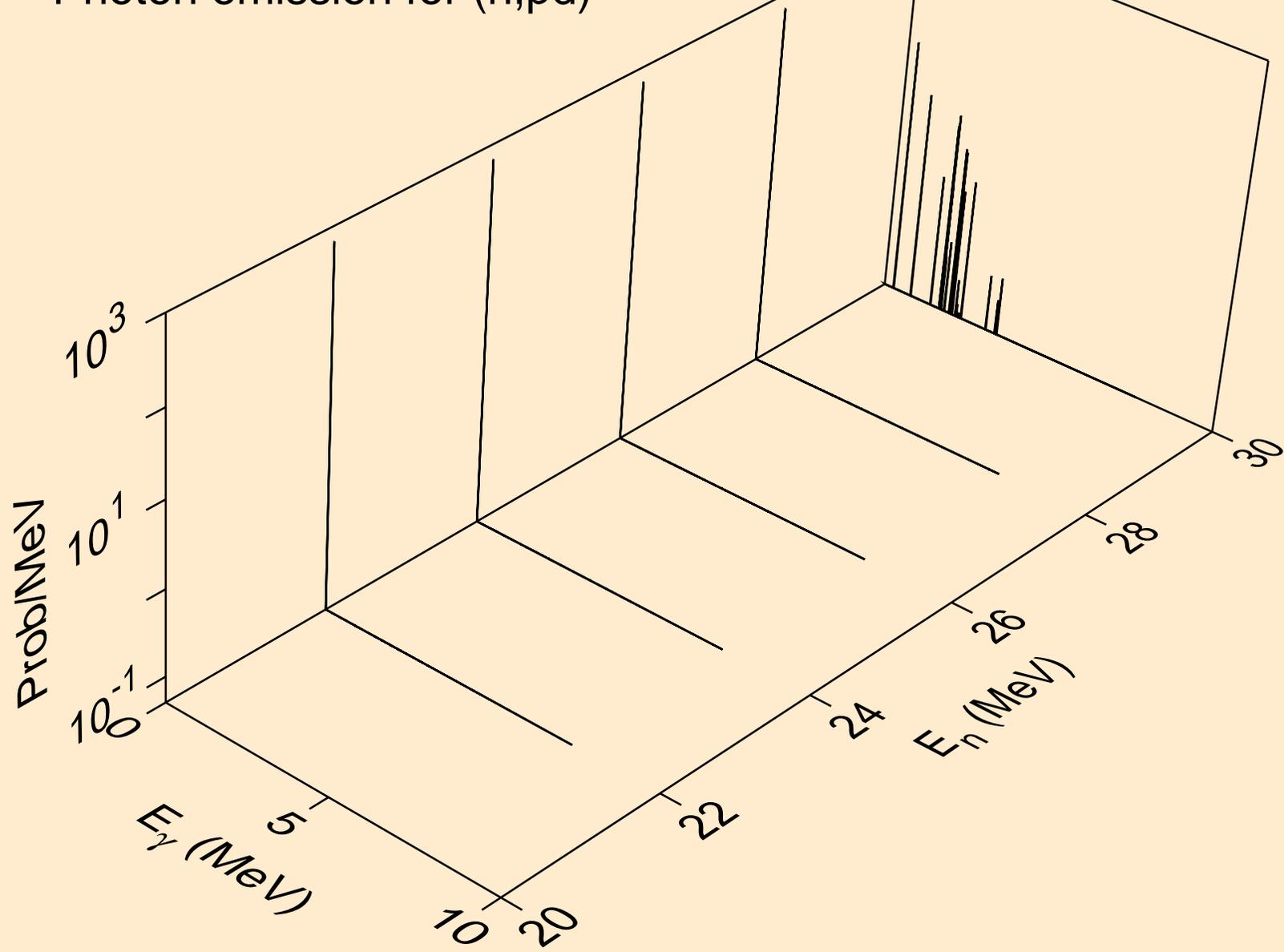Photon emission for (n,2p)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
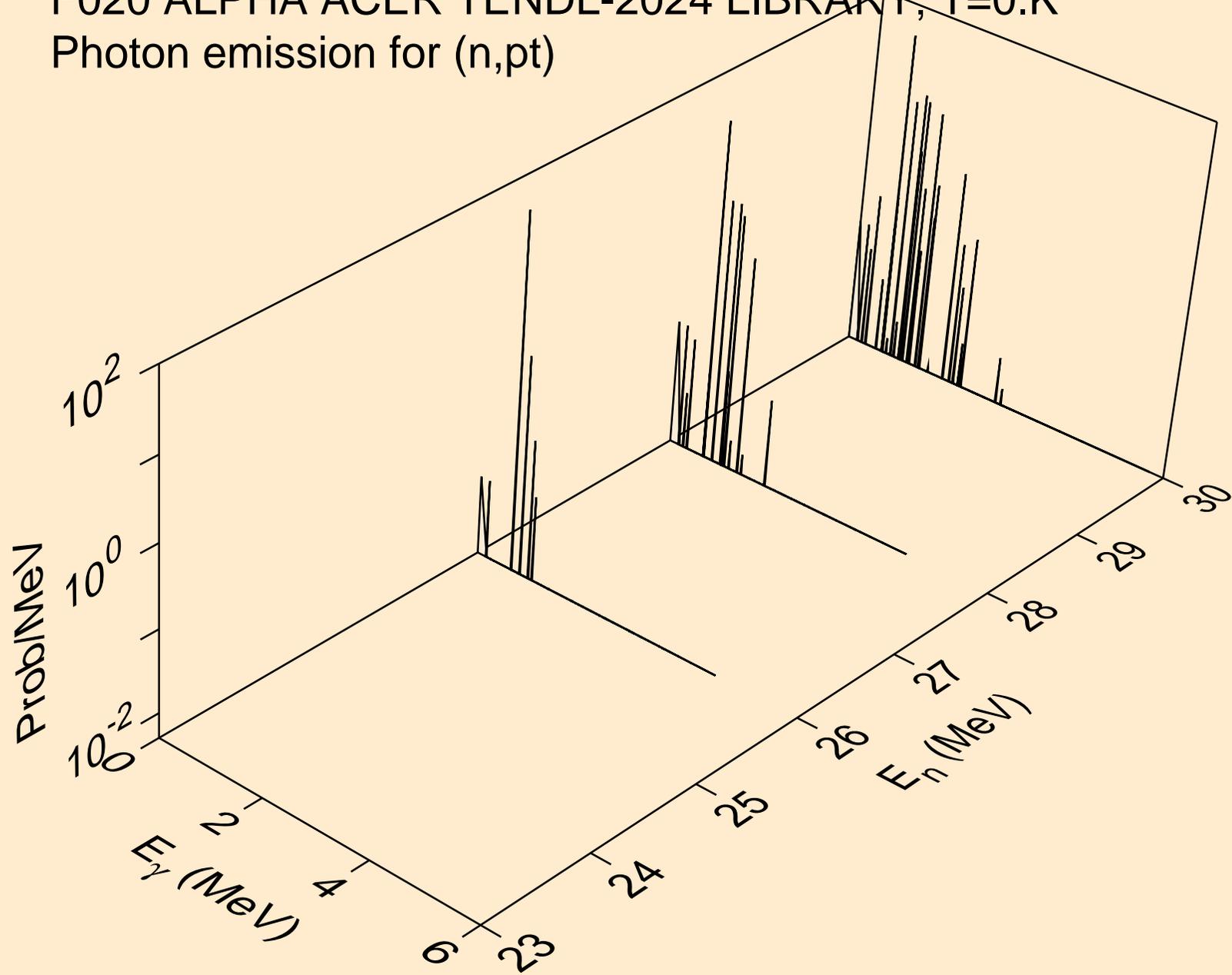Photon emission for (n,pa)

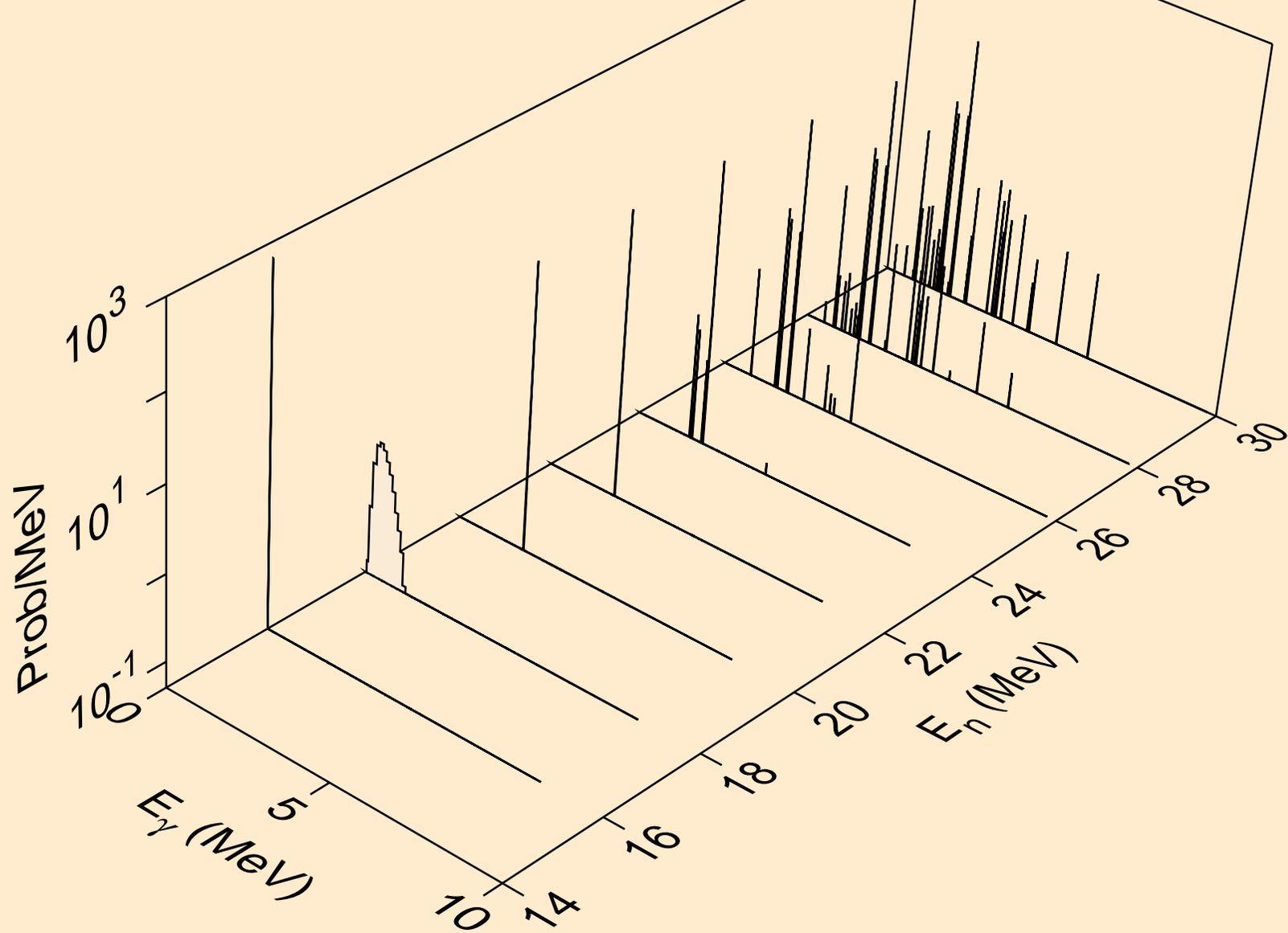F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d2a)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
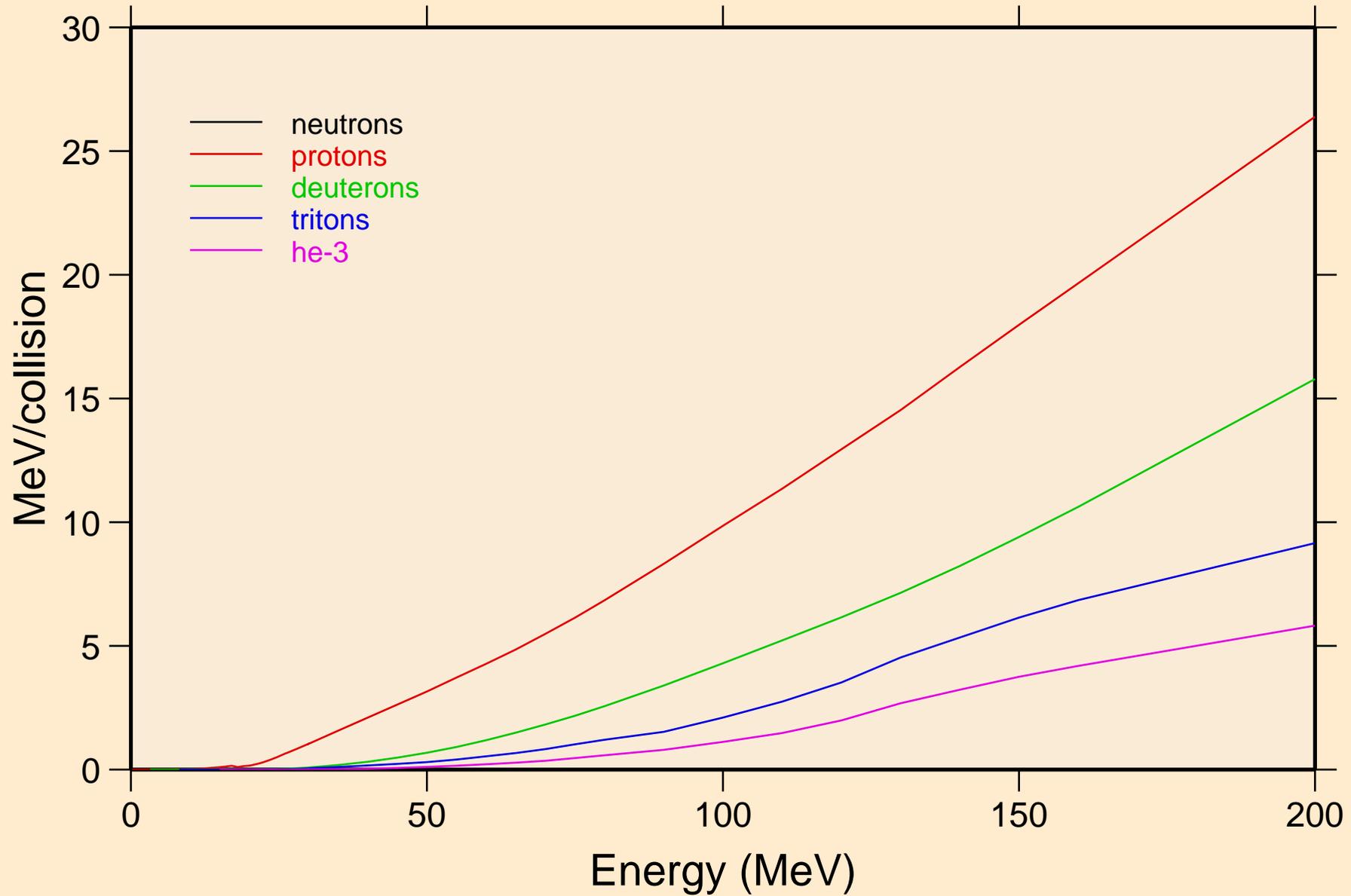Photon emission for (n,pd)

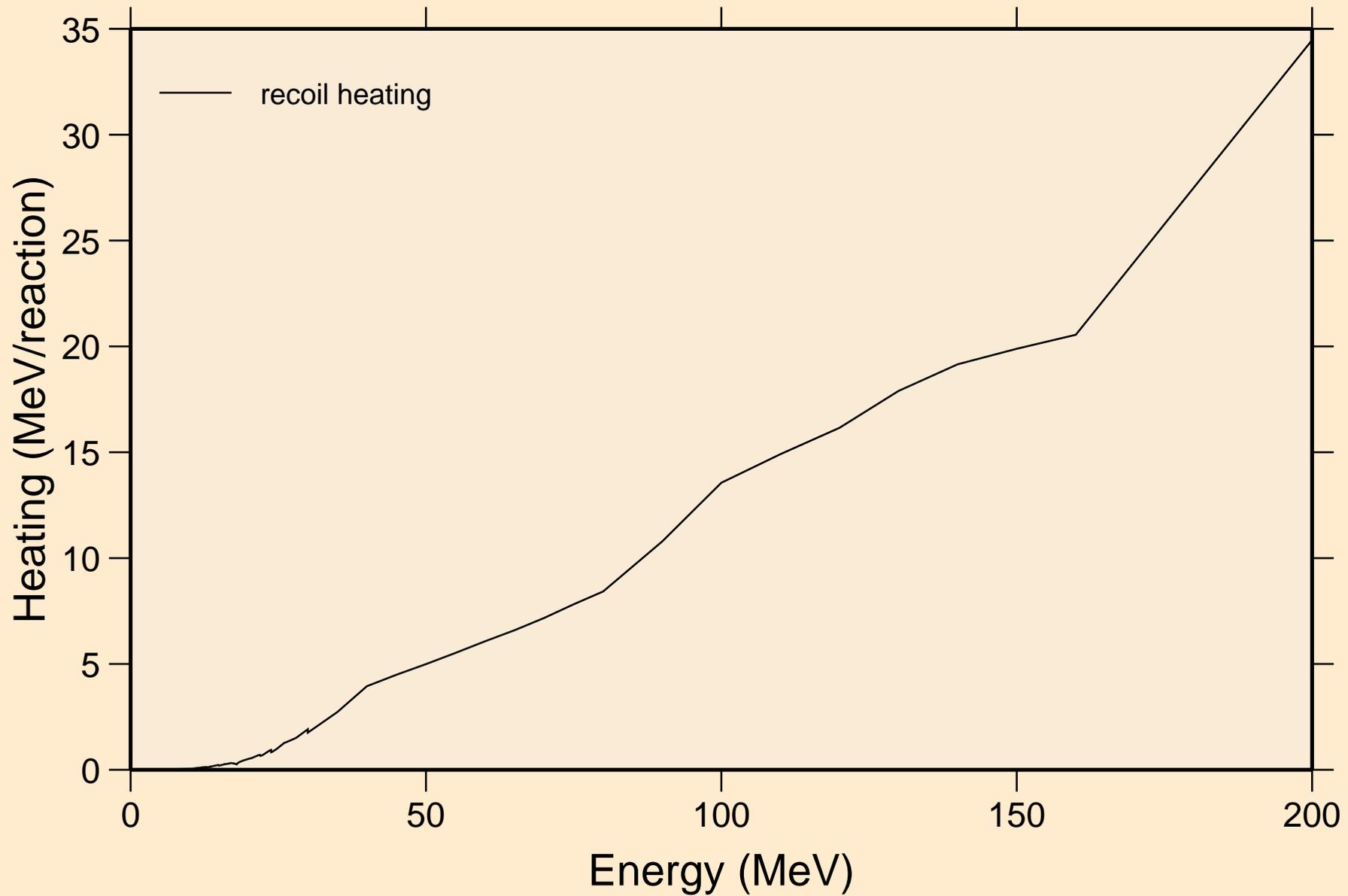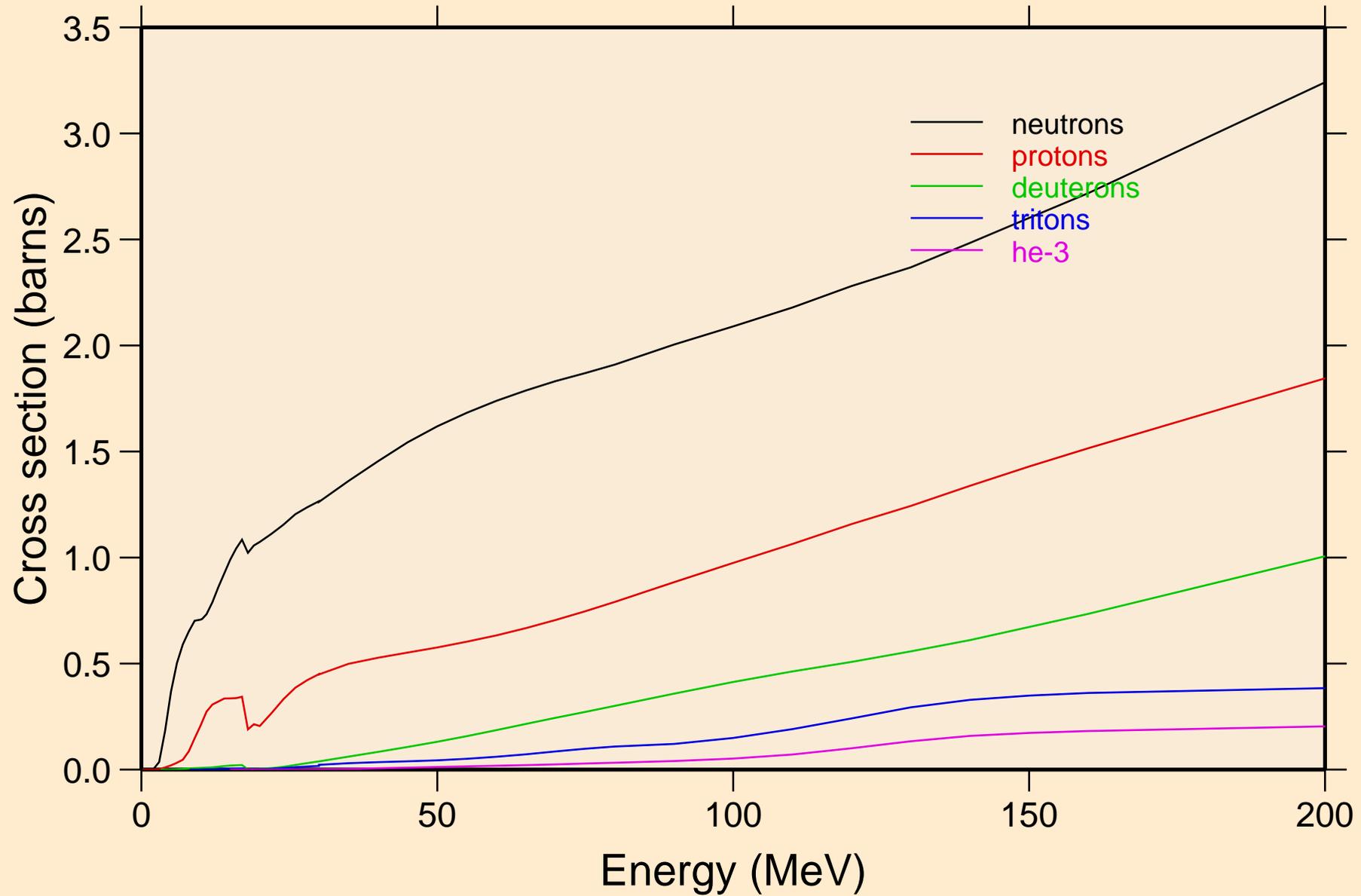F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pt)

Prob/MeV

E_γ (MeV)

E_n (MeV)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)

ProbIMeV

10^3

10^1

10^{-1}

10^0

E_γ (MeV)

5

10

14

16

18

20

22

24

26

28

30

E_n (MeV)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

neutrons
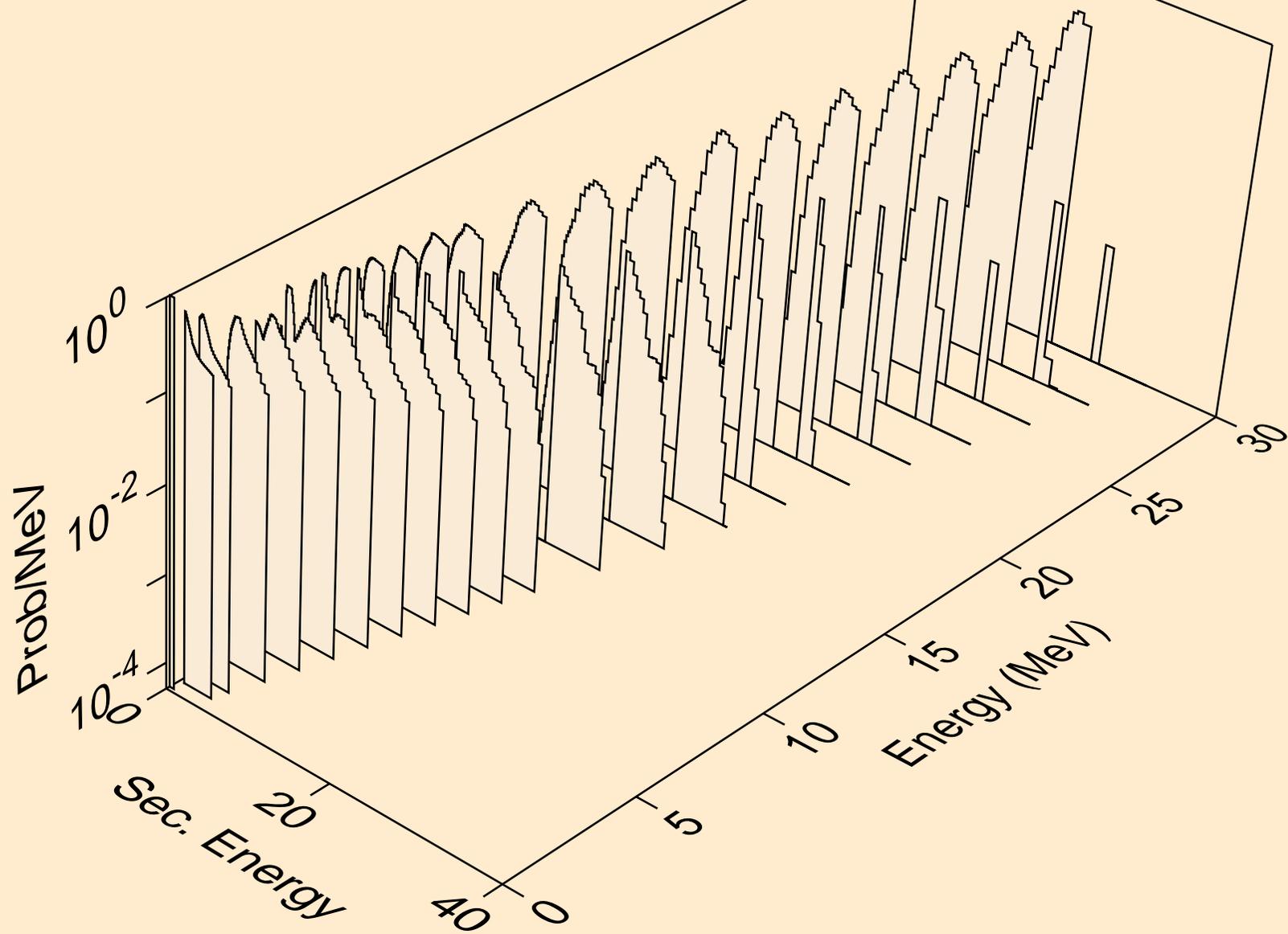protons
deuterons
tritons
he-3

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
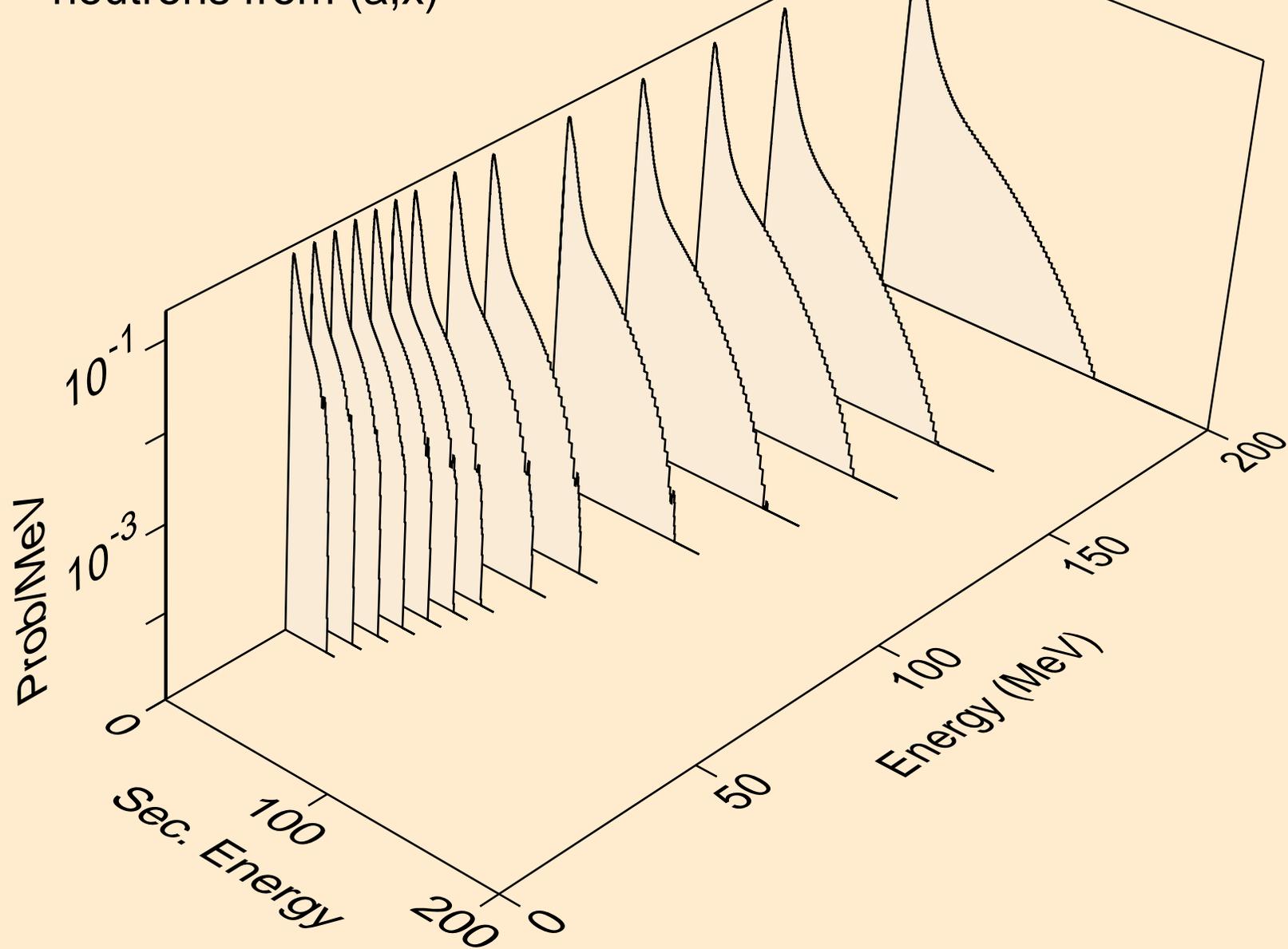Recoil Heating

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
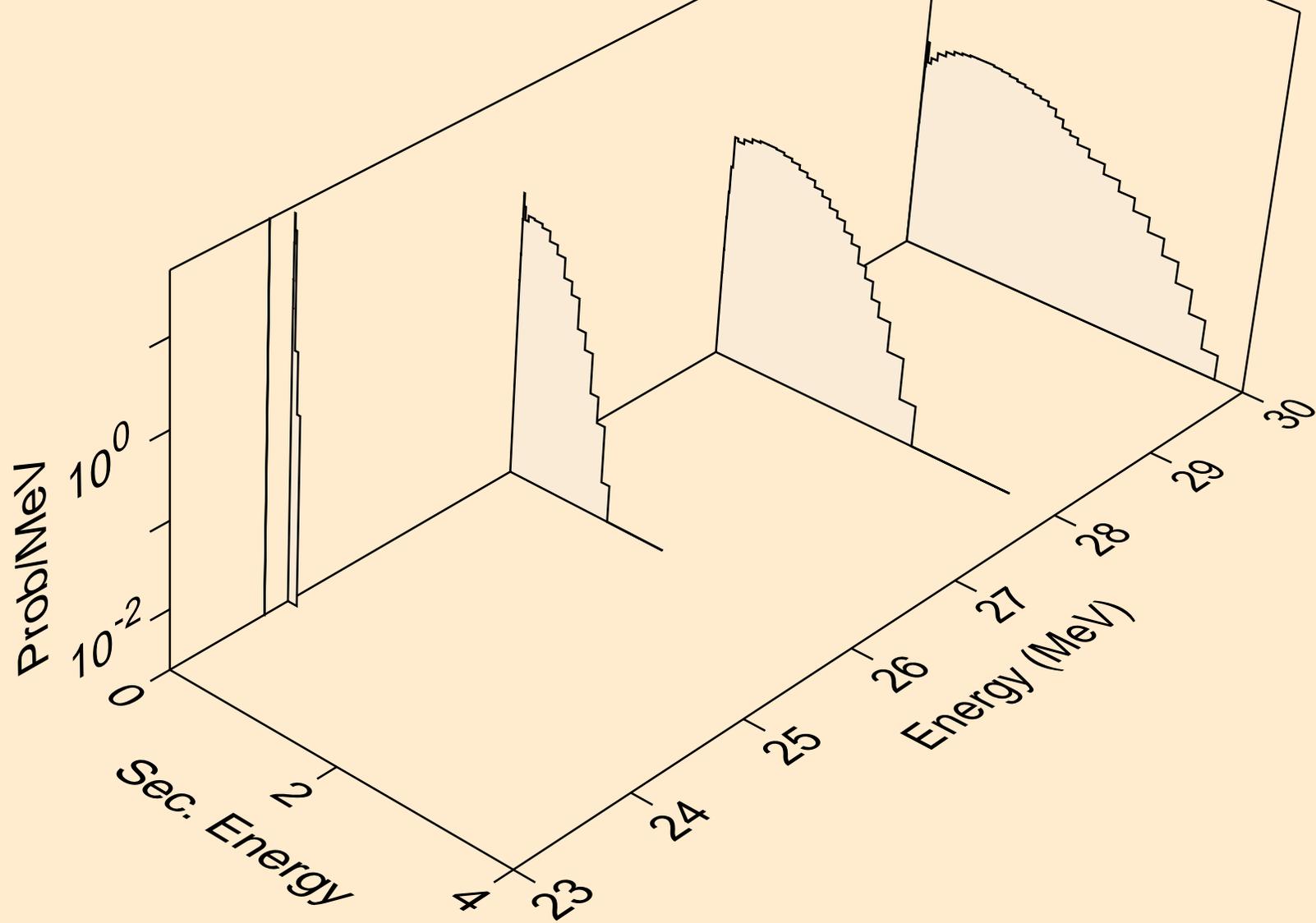Particle production cross sections

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
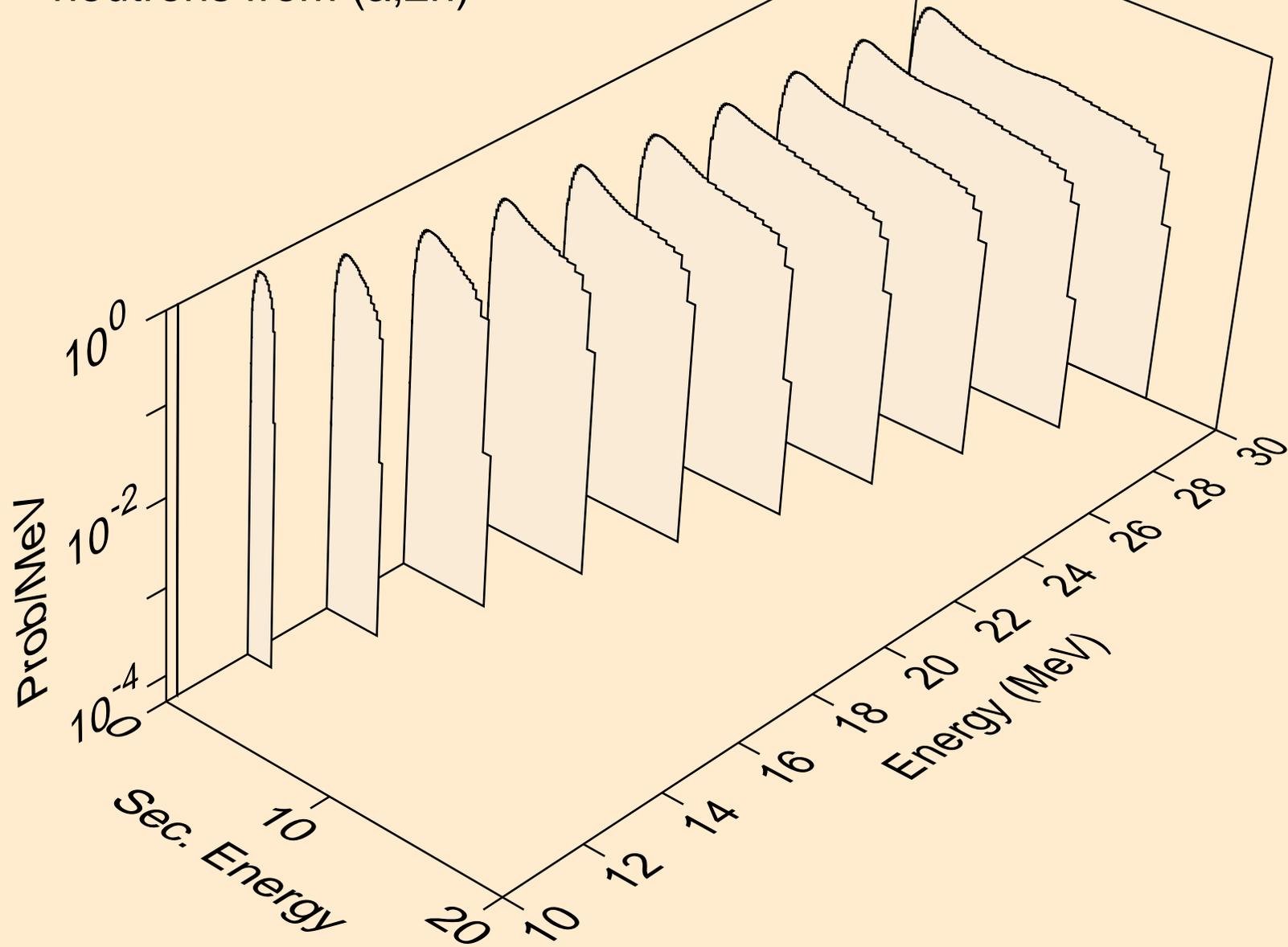neutrons from (a,n)

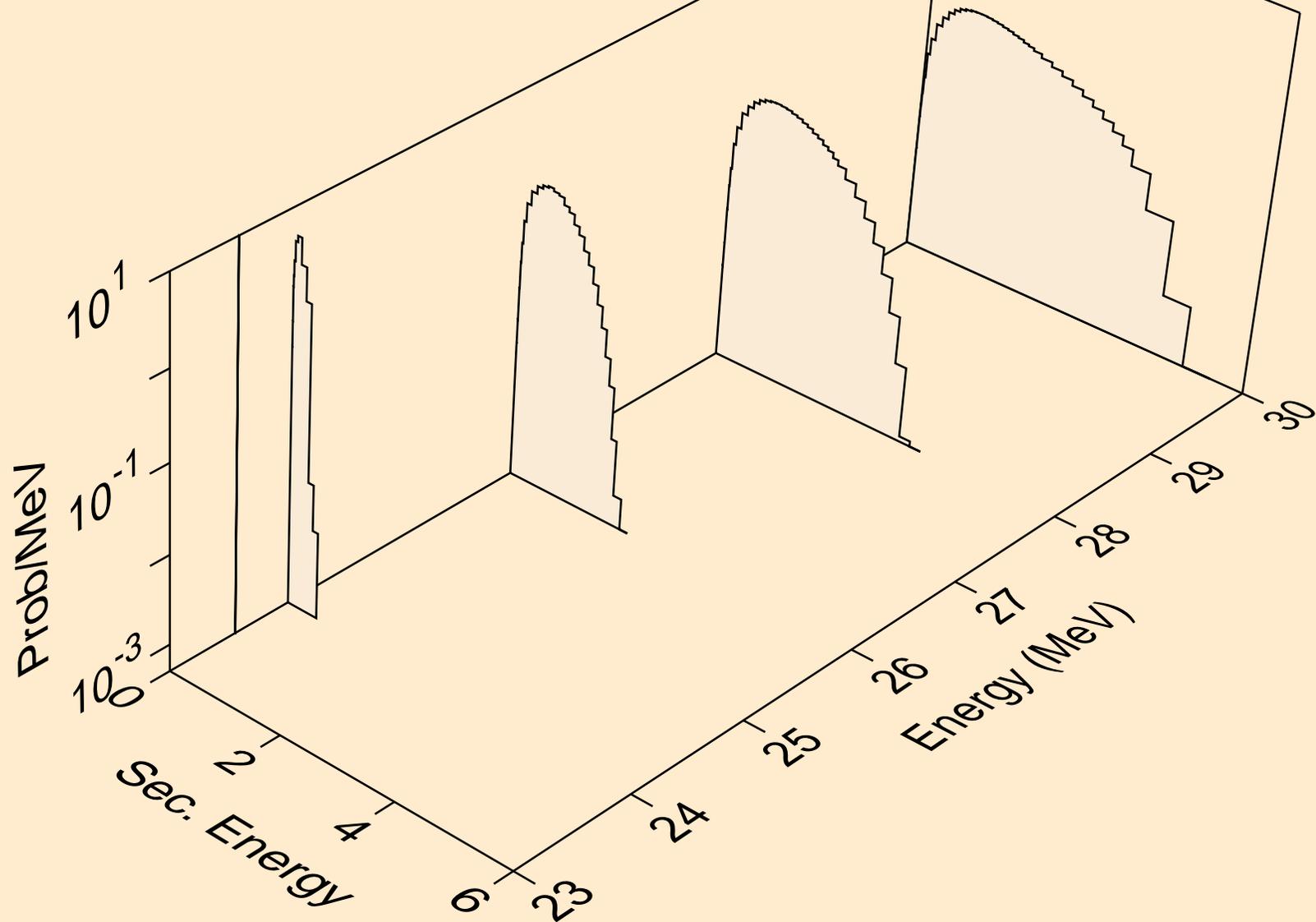F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,x)

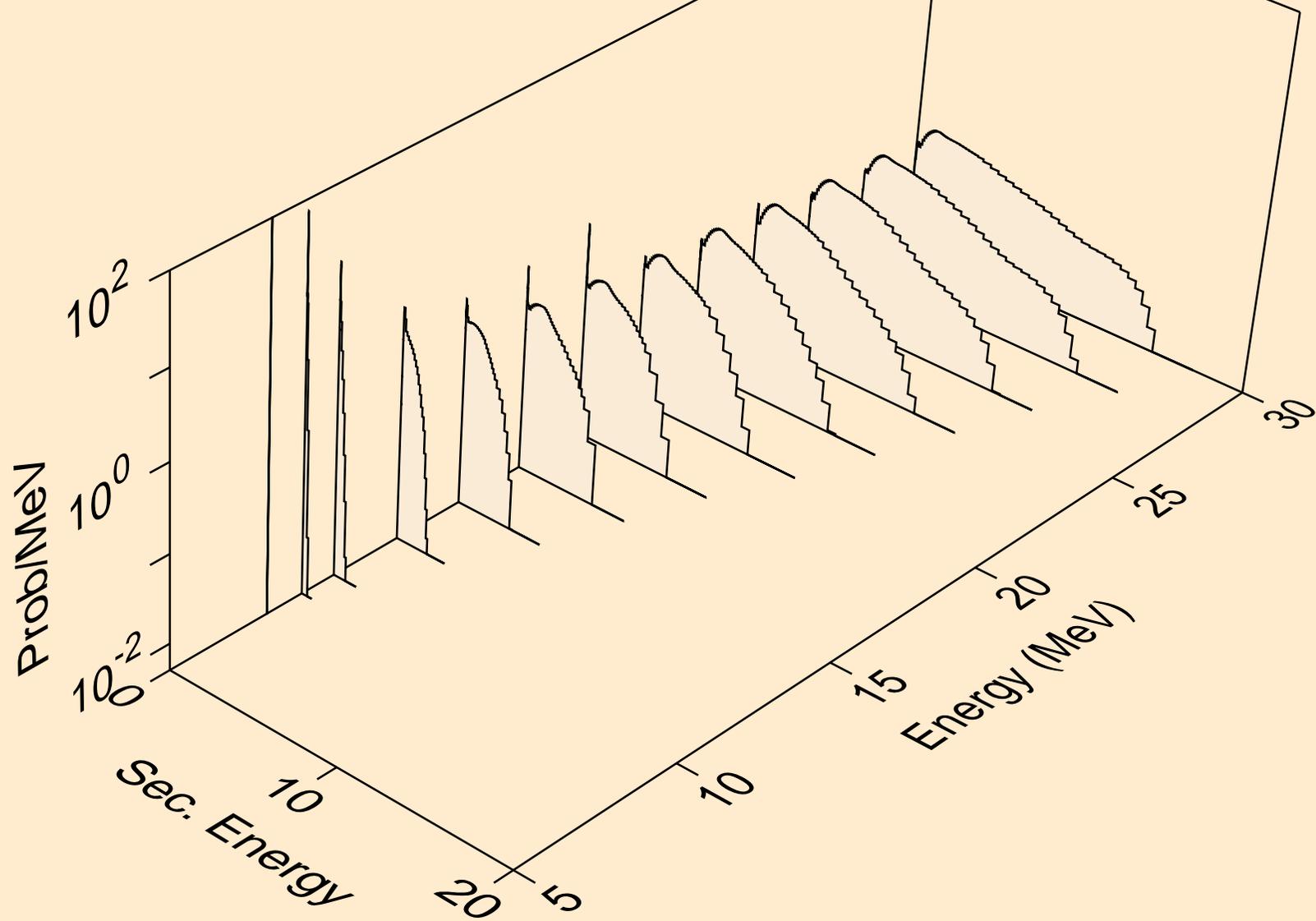F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,2nd)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
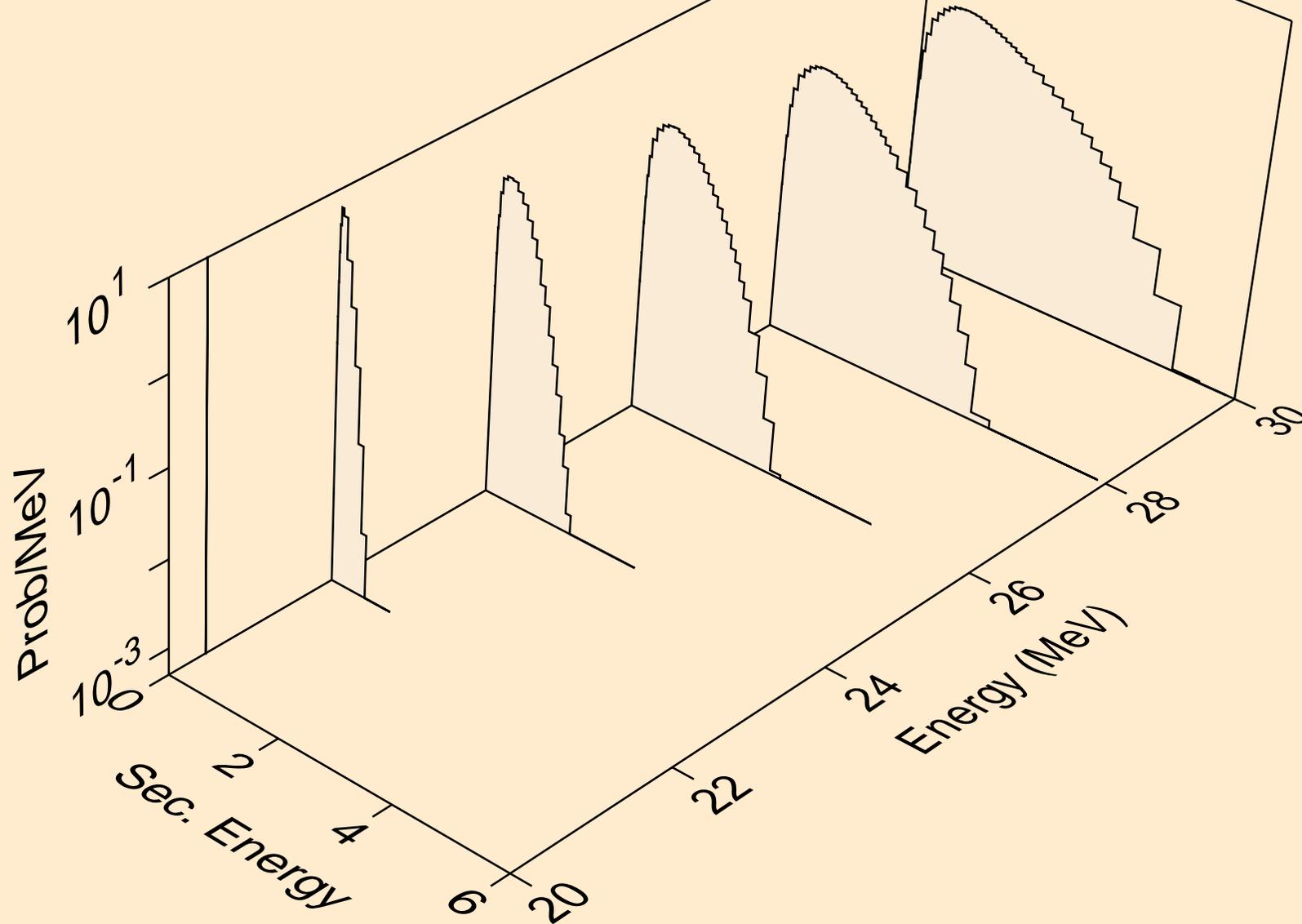neutrons from (a,2n)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
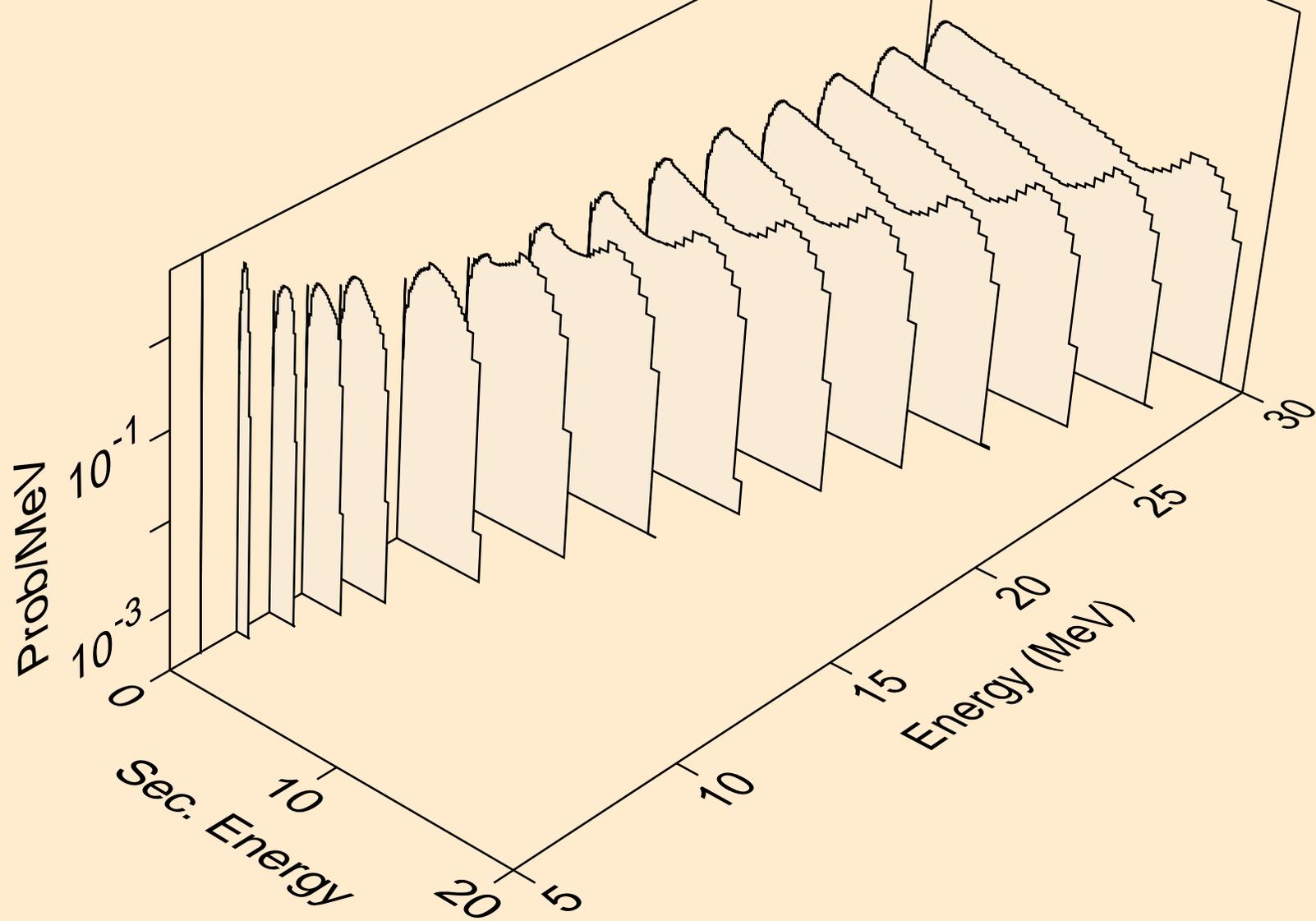neutrons from (a,3n)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
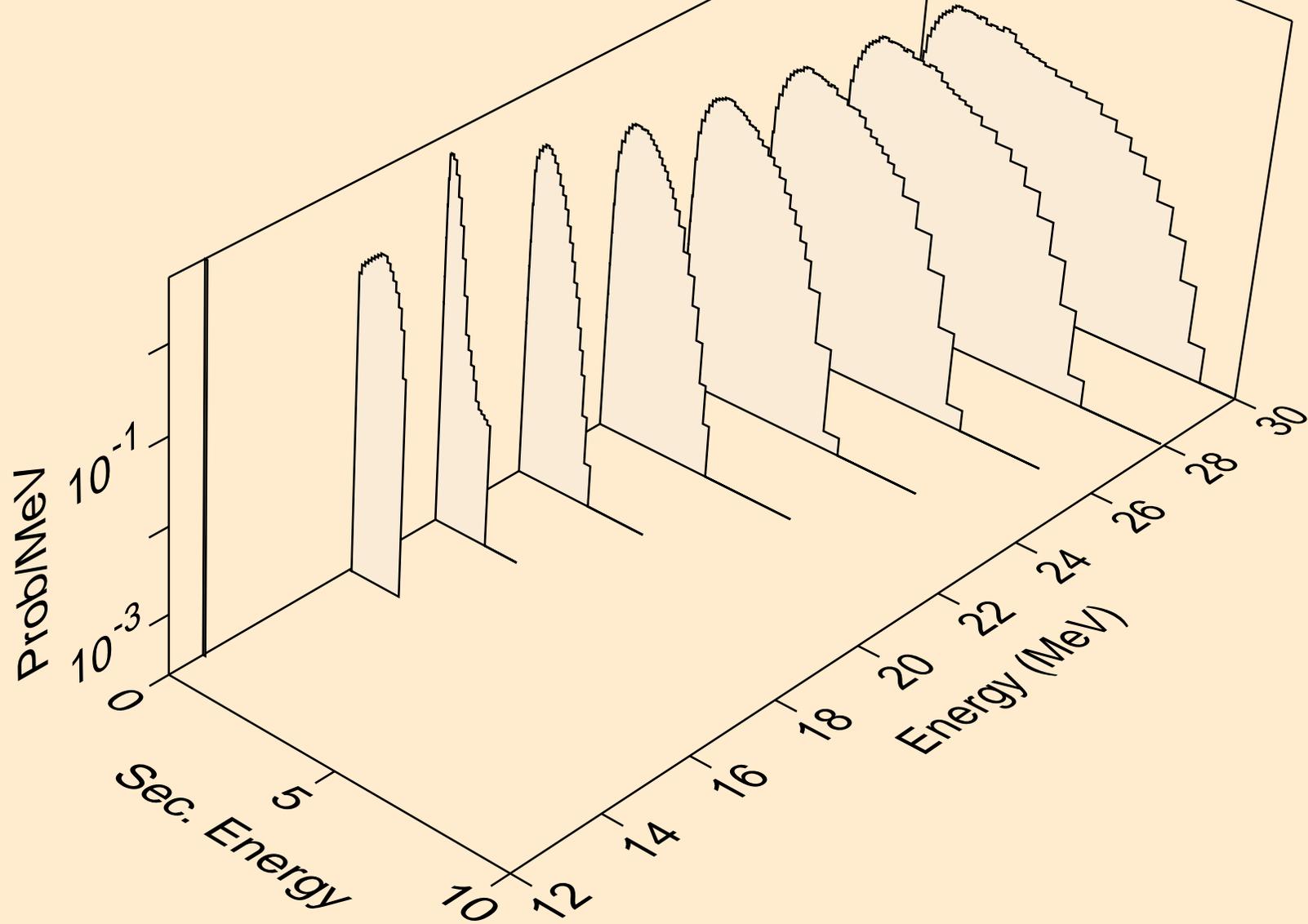neutrons from (a,n*)a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
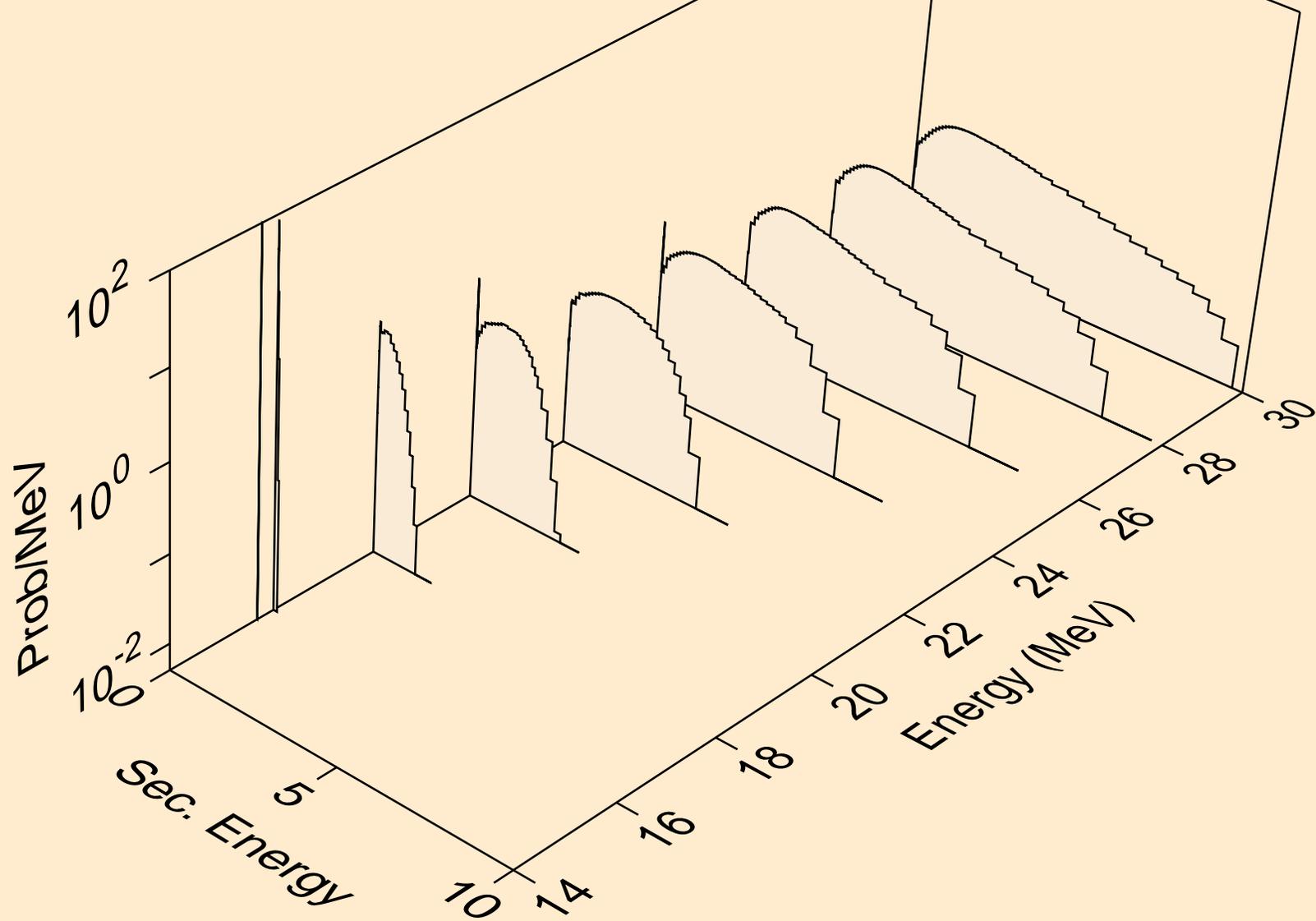neutrons from (a,2n)a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
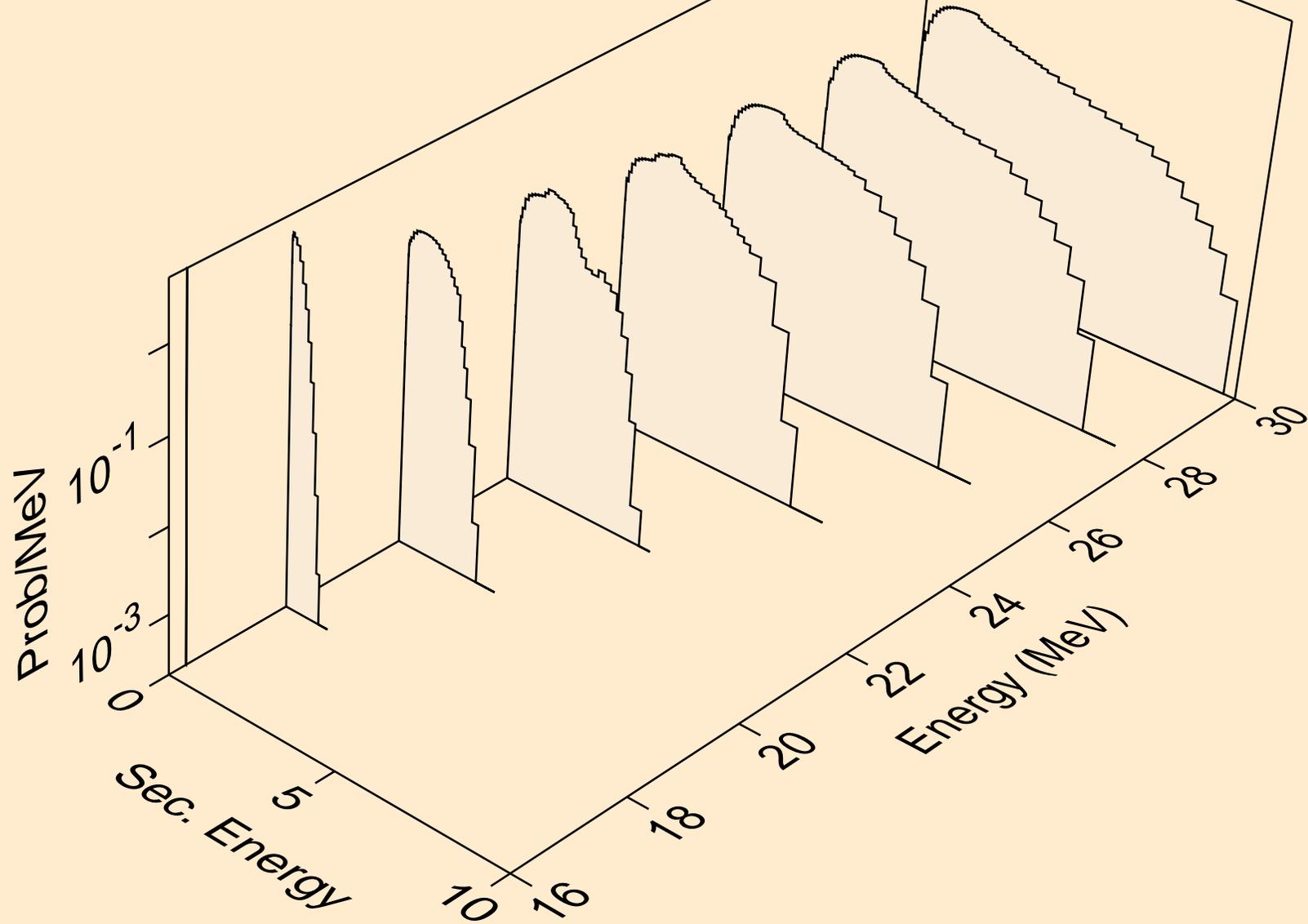neutrons from (a,n*)p

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
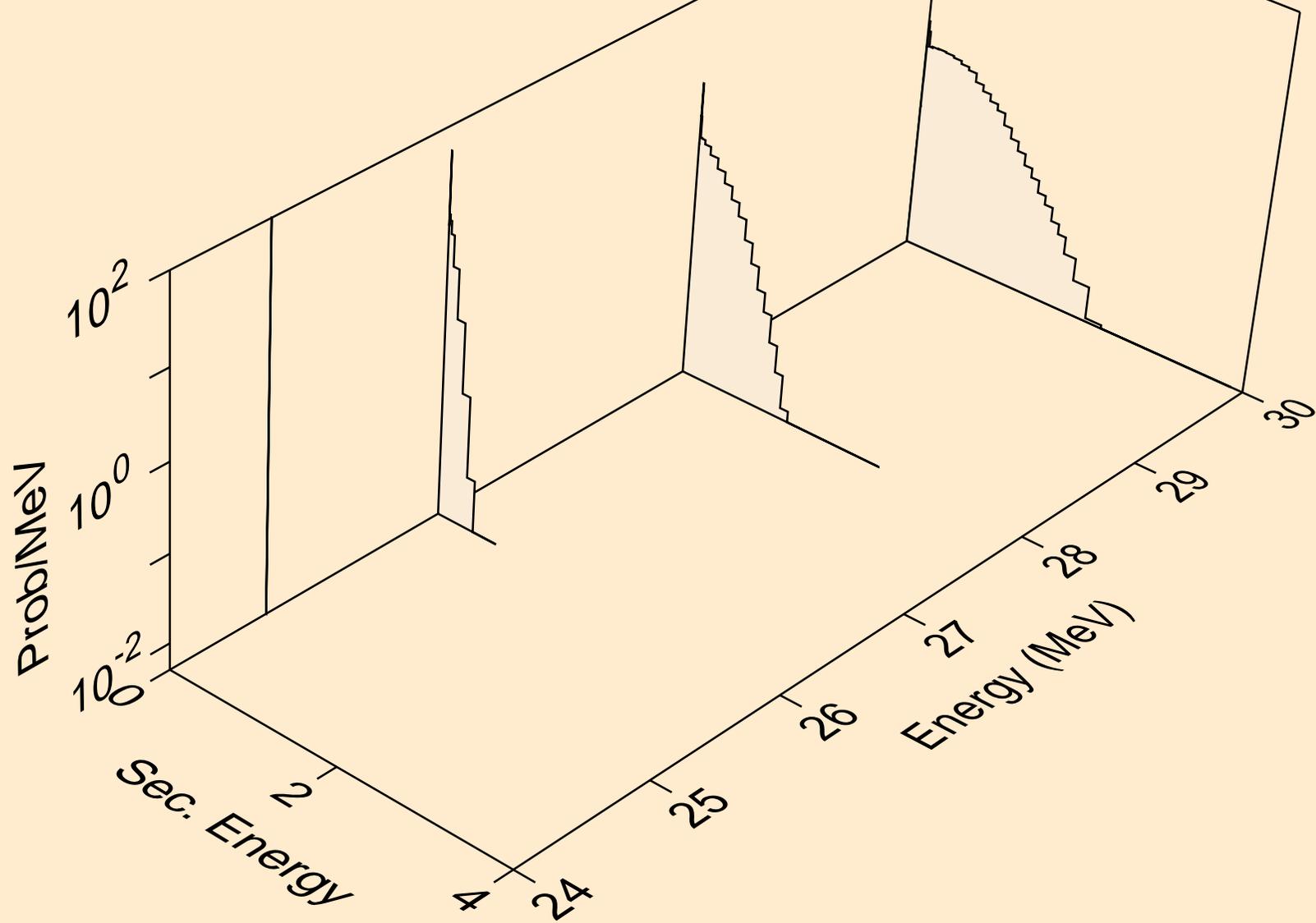neutrons from (a,n*)2a

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n*)d

Prob/MeV

10^2

10^0

10^{-2}

Sec. Energy

5

10

Energy (MeV)

14

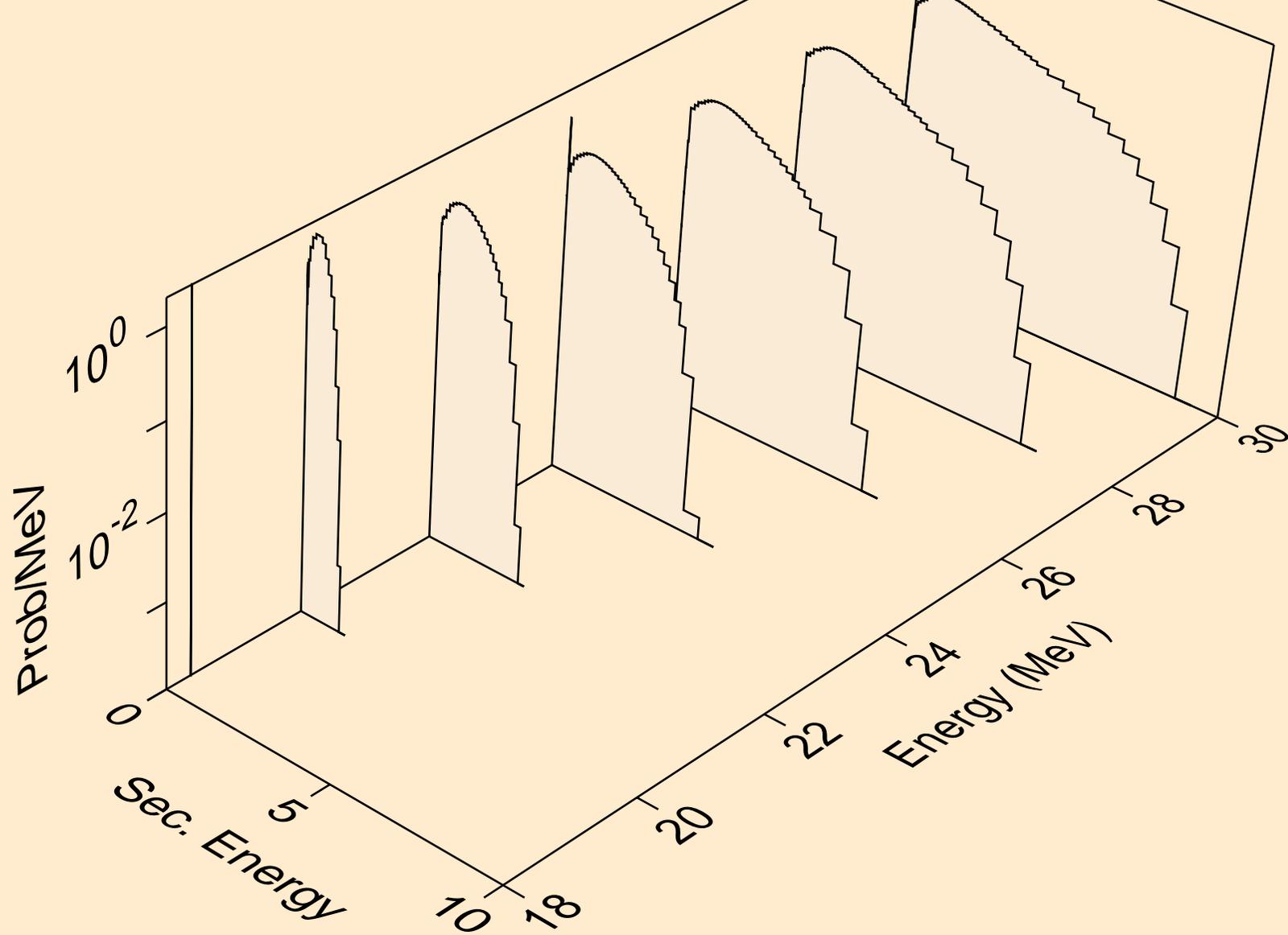16

18

20

22

24

26

28

30

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
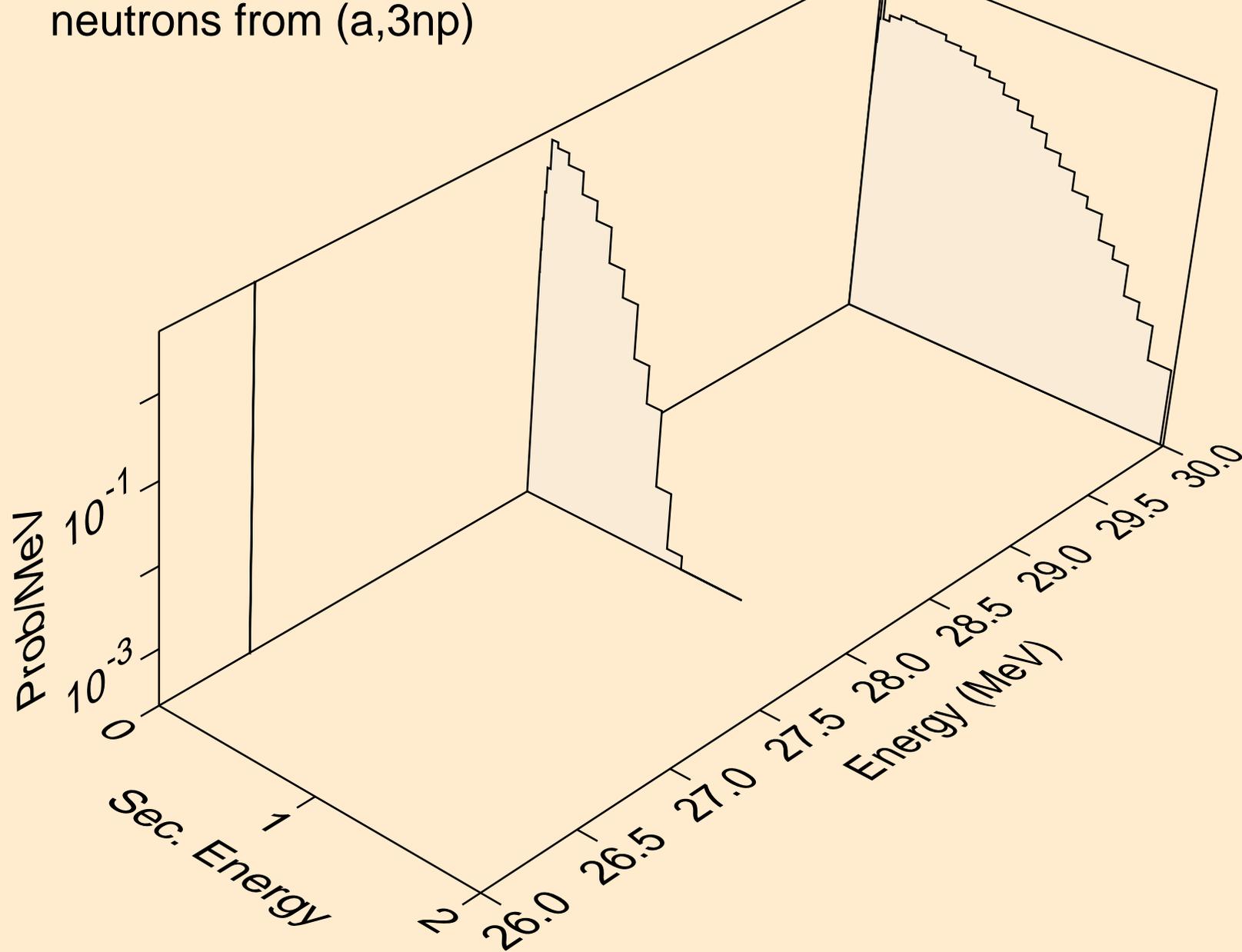neutrons from (a,n*)t

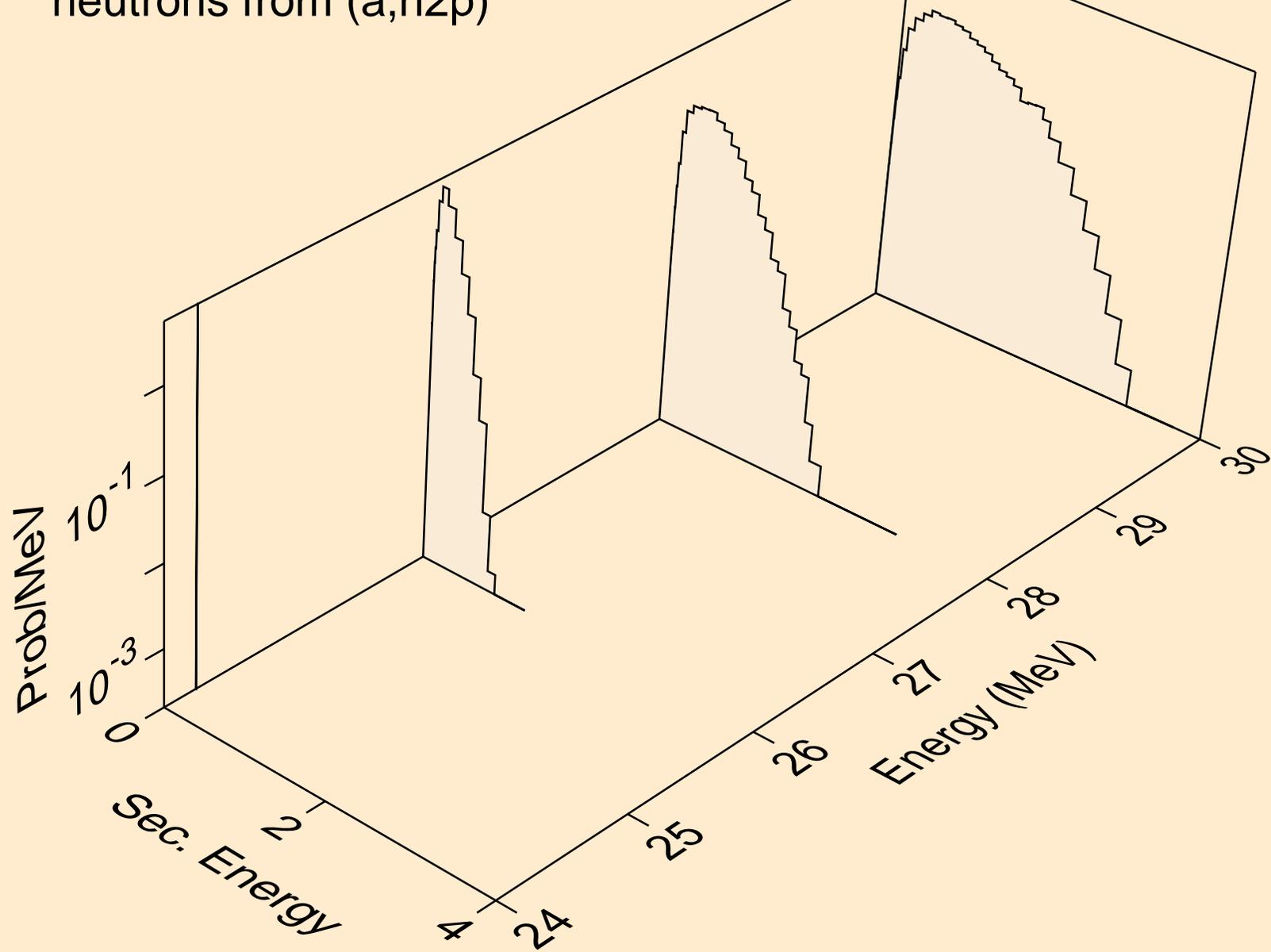F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n*)he3

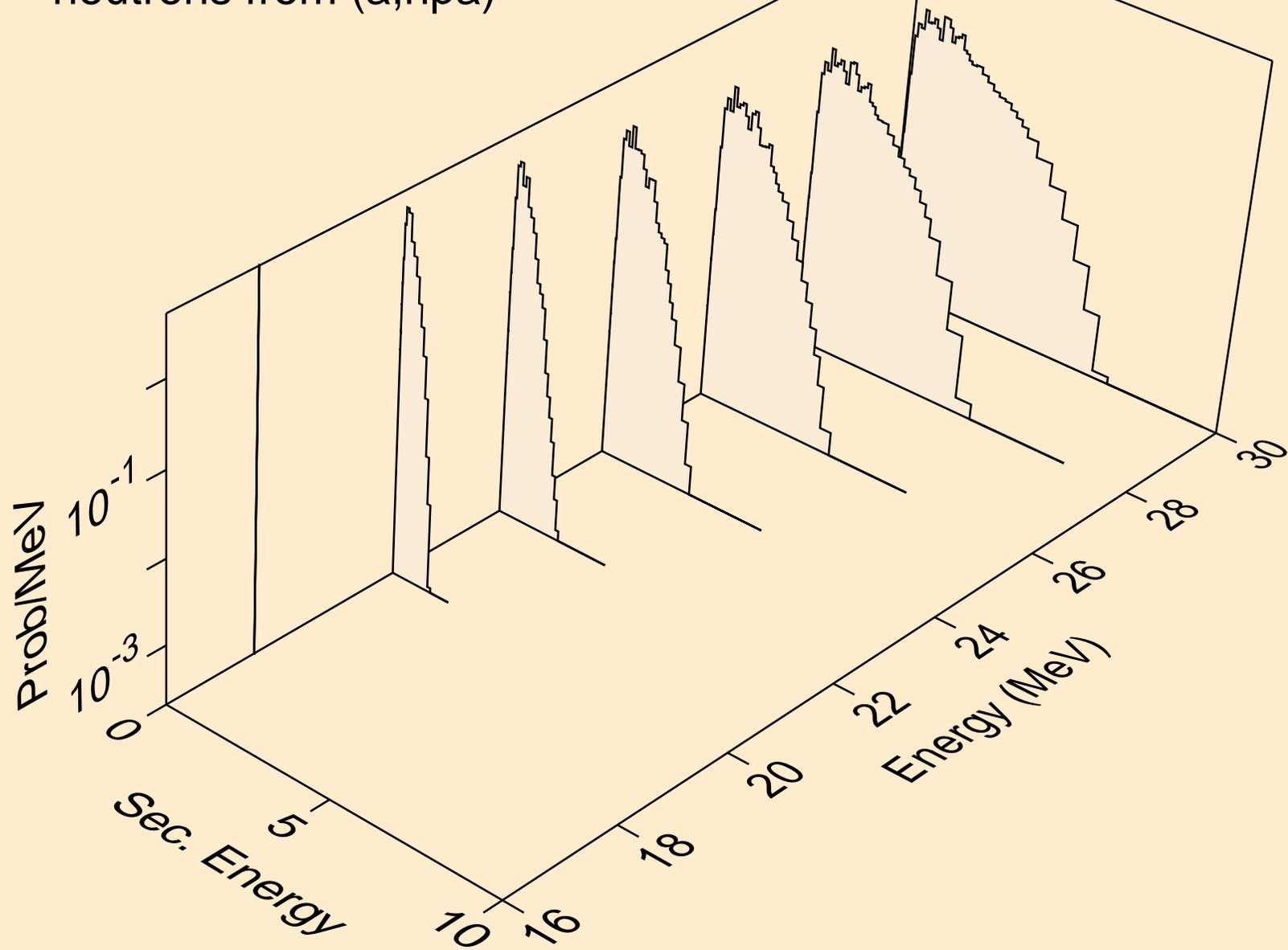F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,2np)

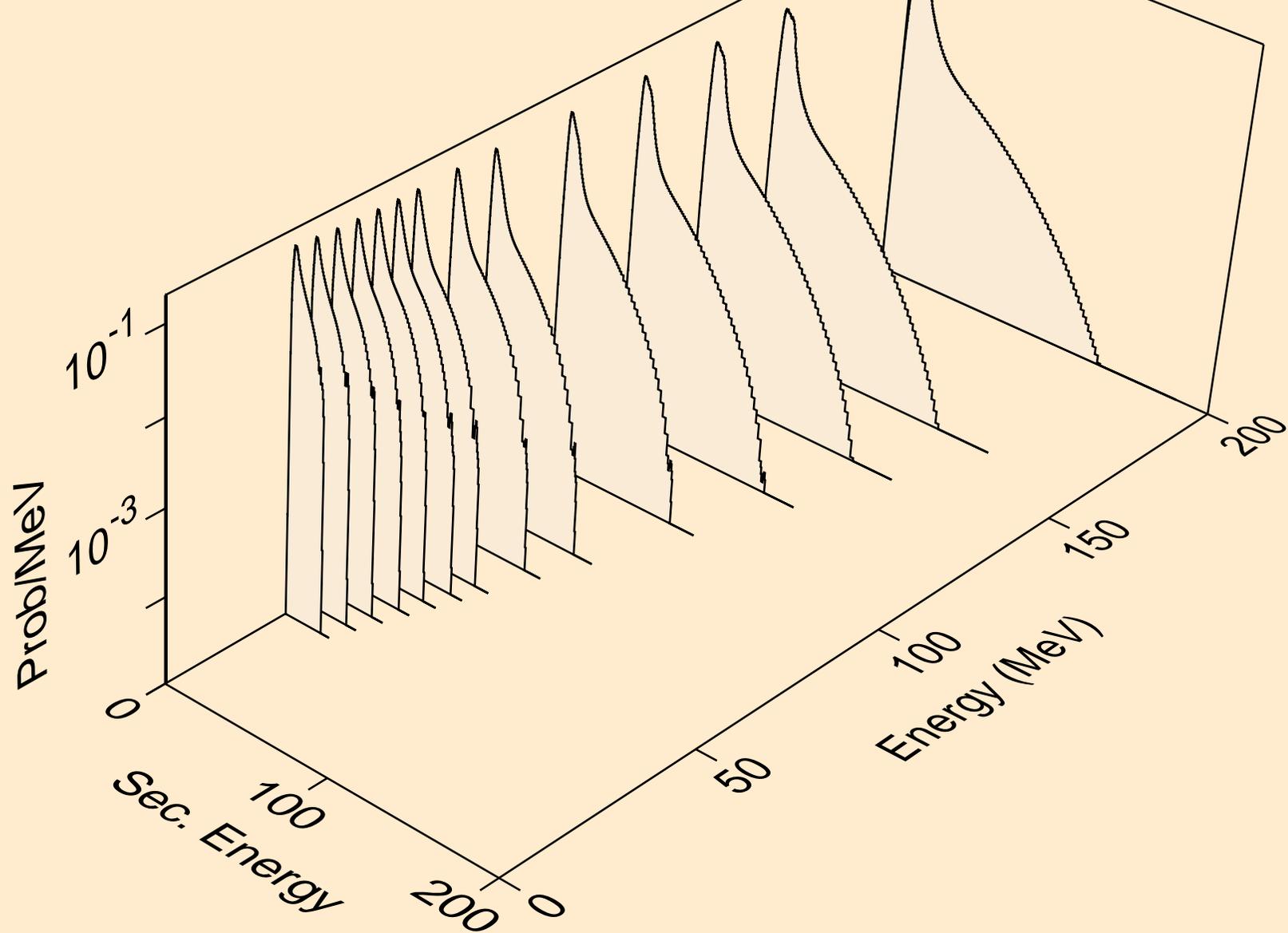F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
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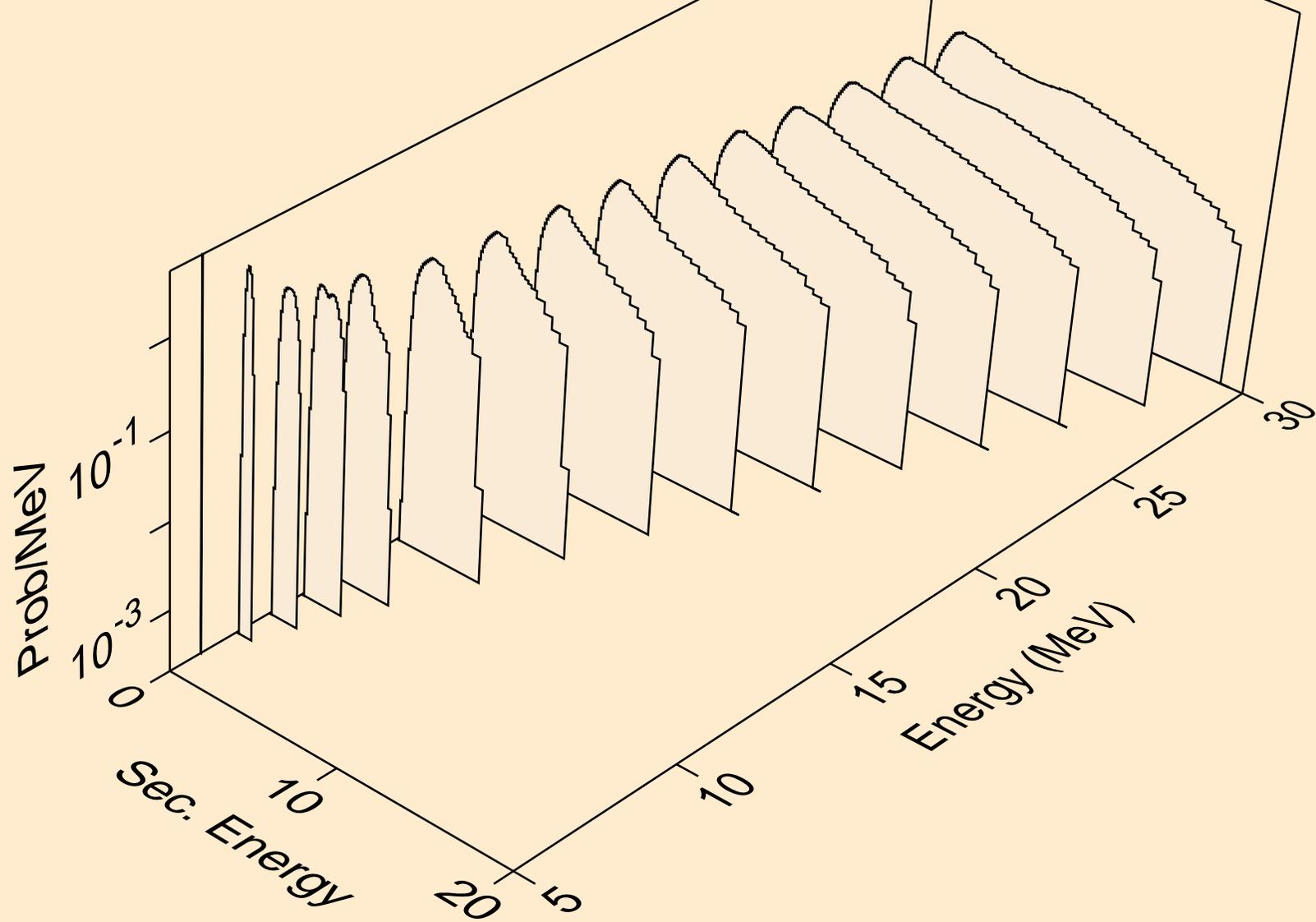F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n2p)

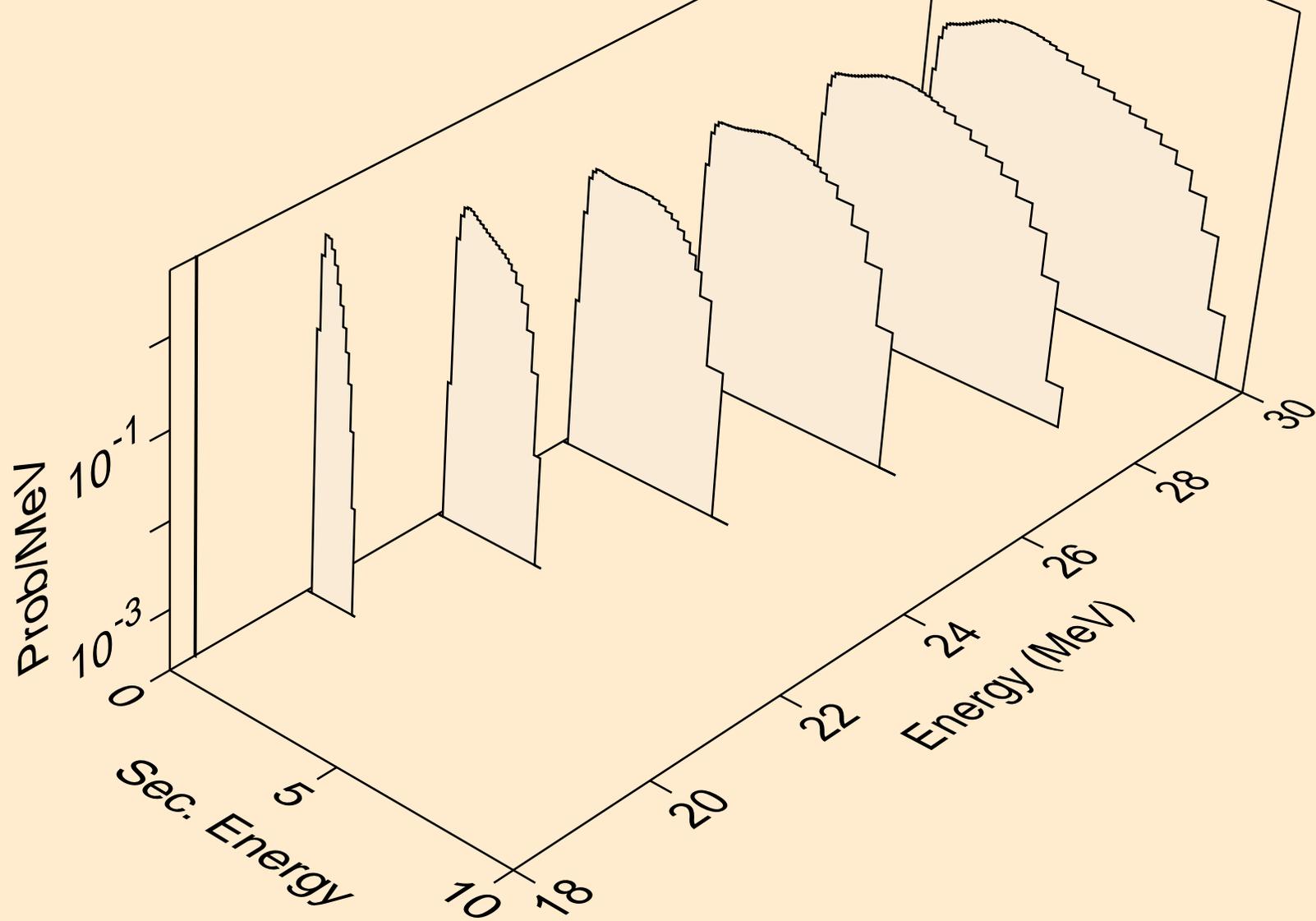F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,npa)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
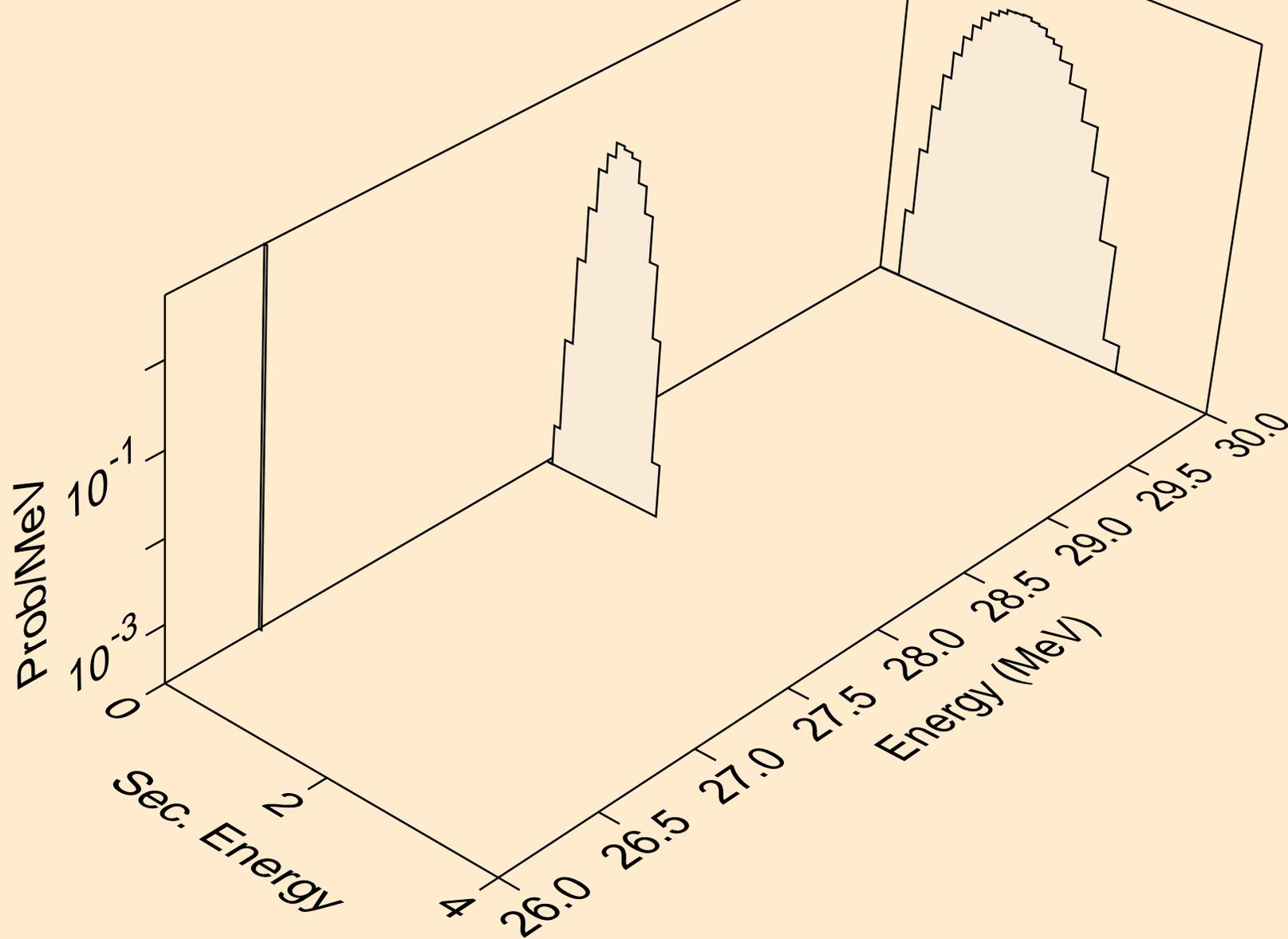protons from (a,x)

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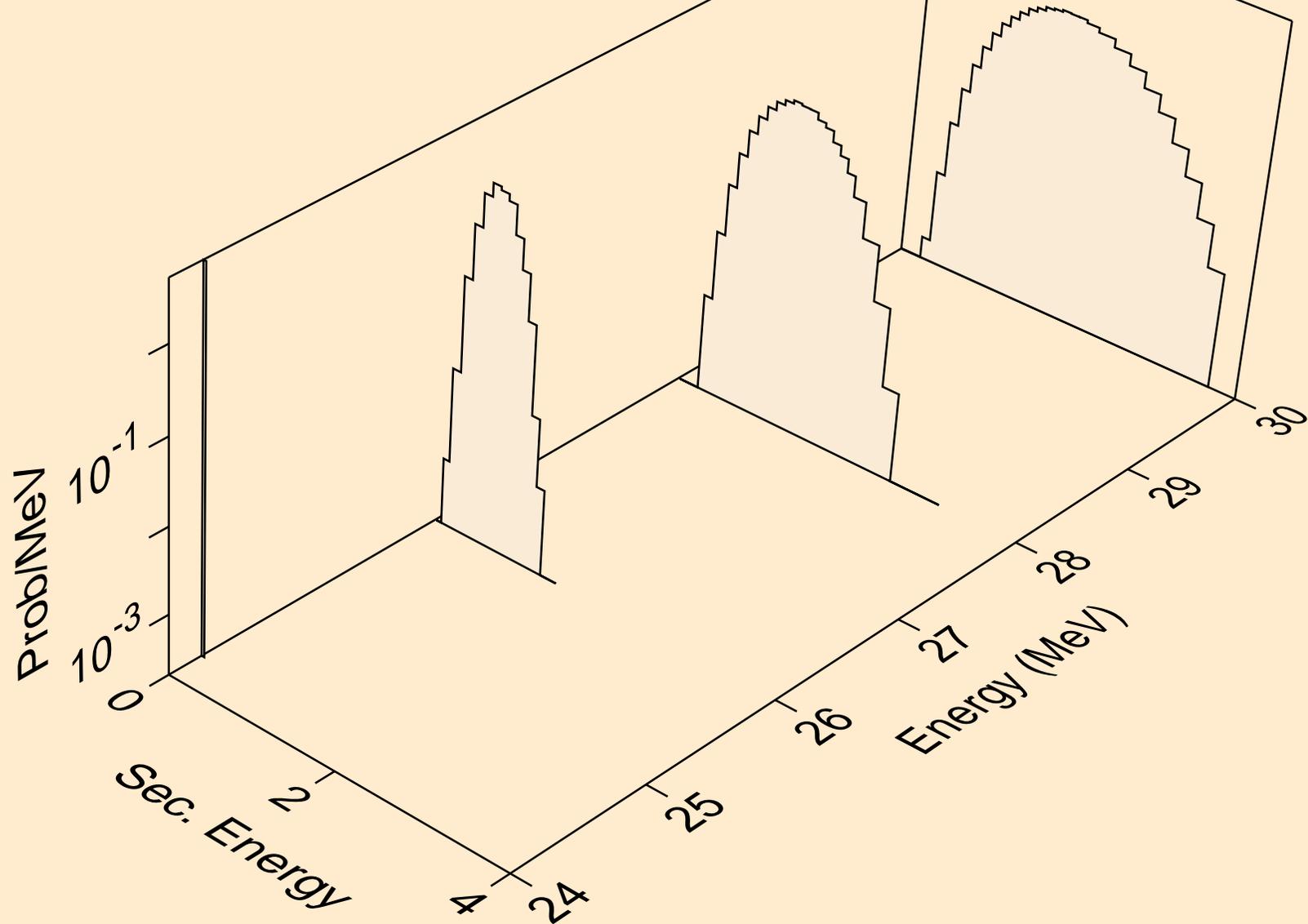protons from (a,n*)p

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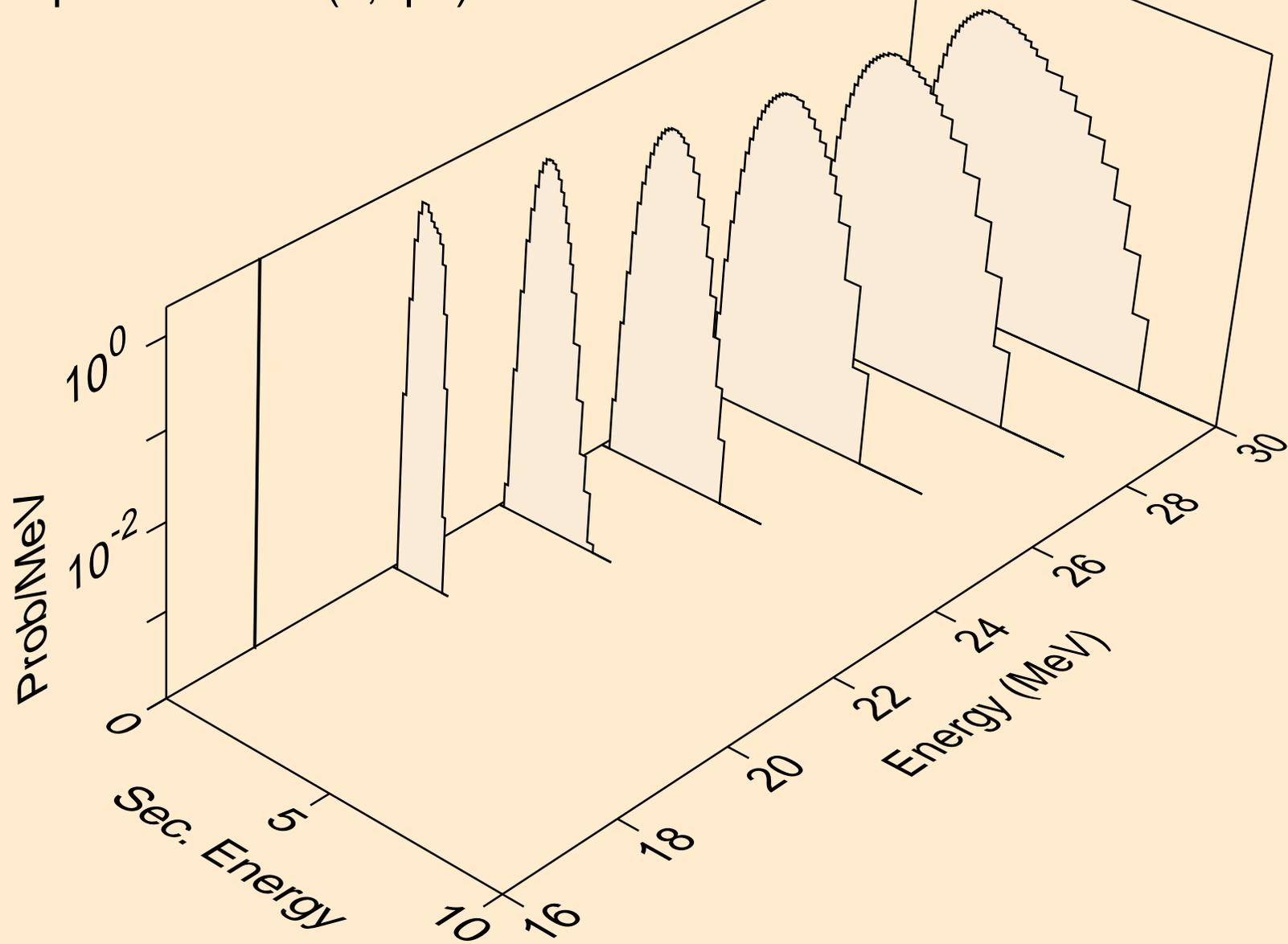protons from (a,2np)

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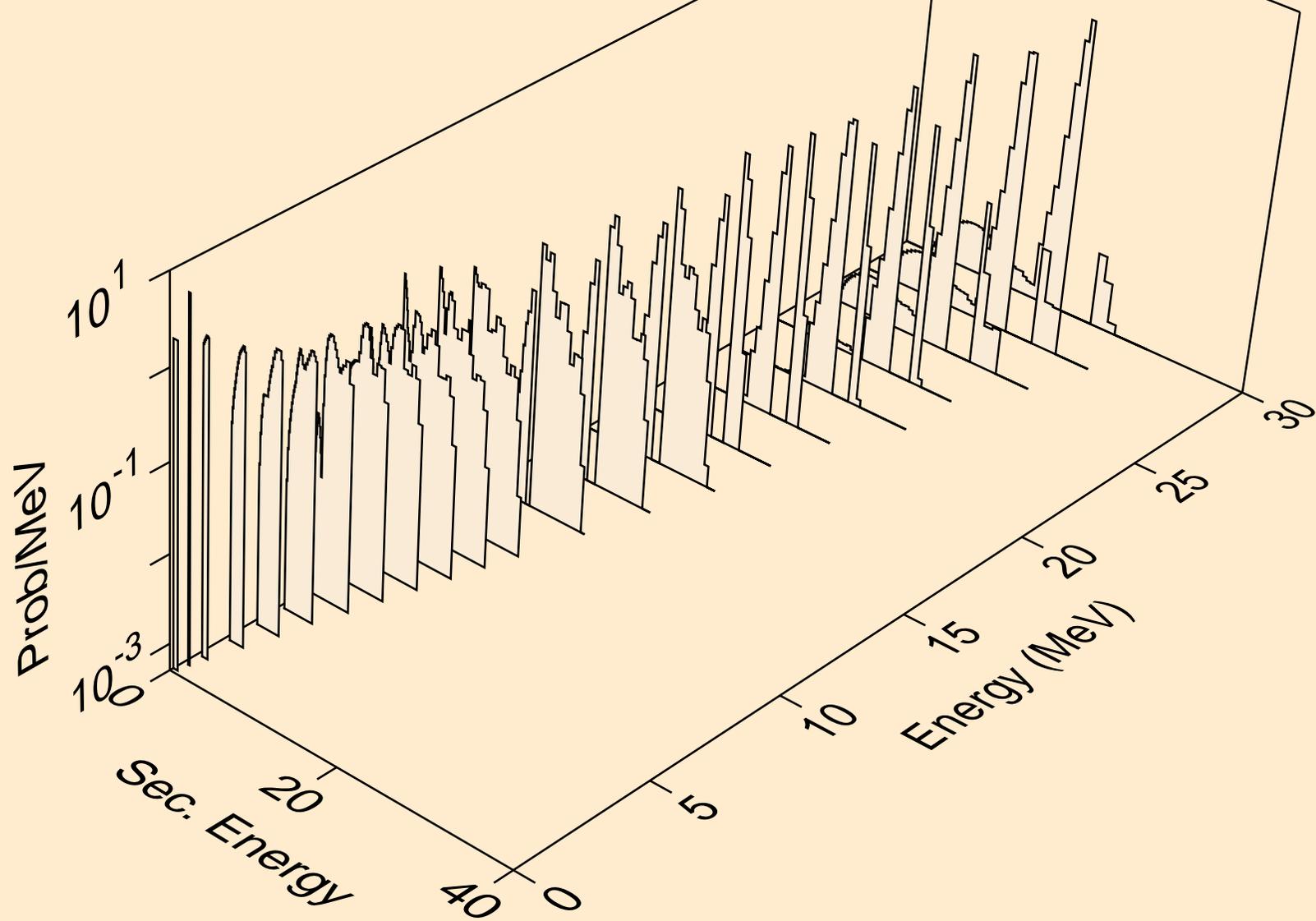protons from (a,3np)

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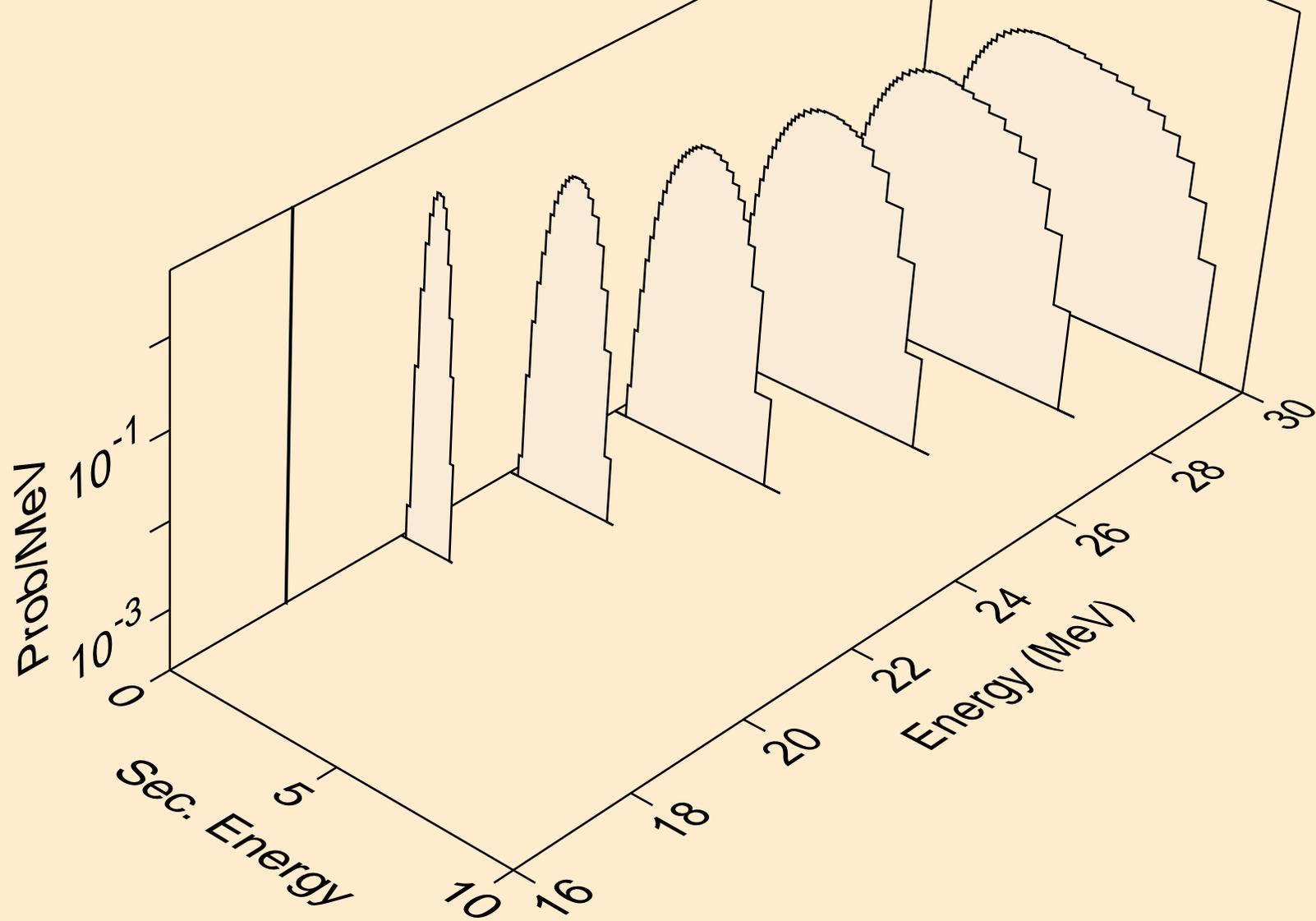protons from (a,n2p)

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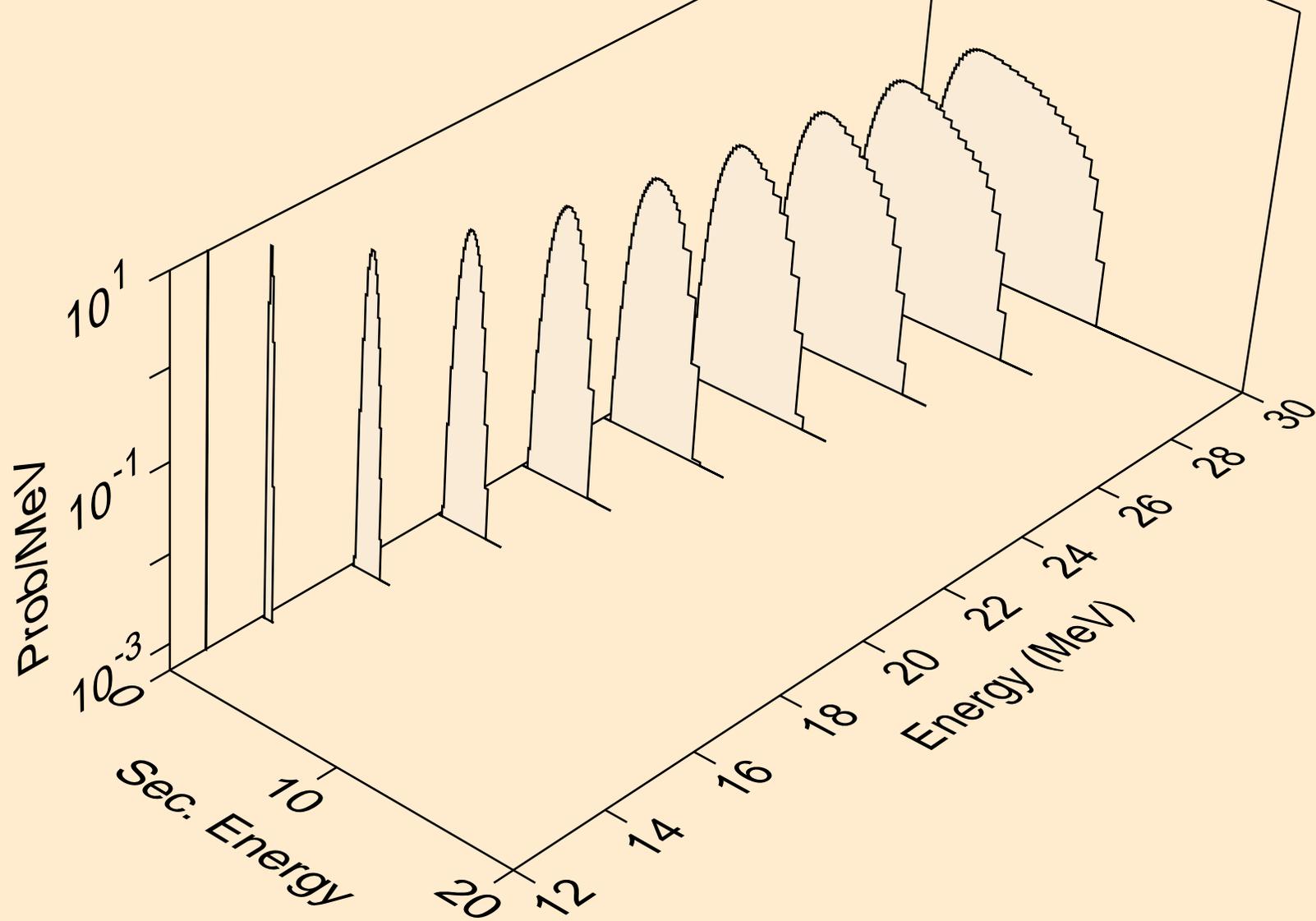protons from (a,npa)

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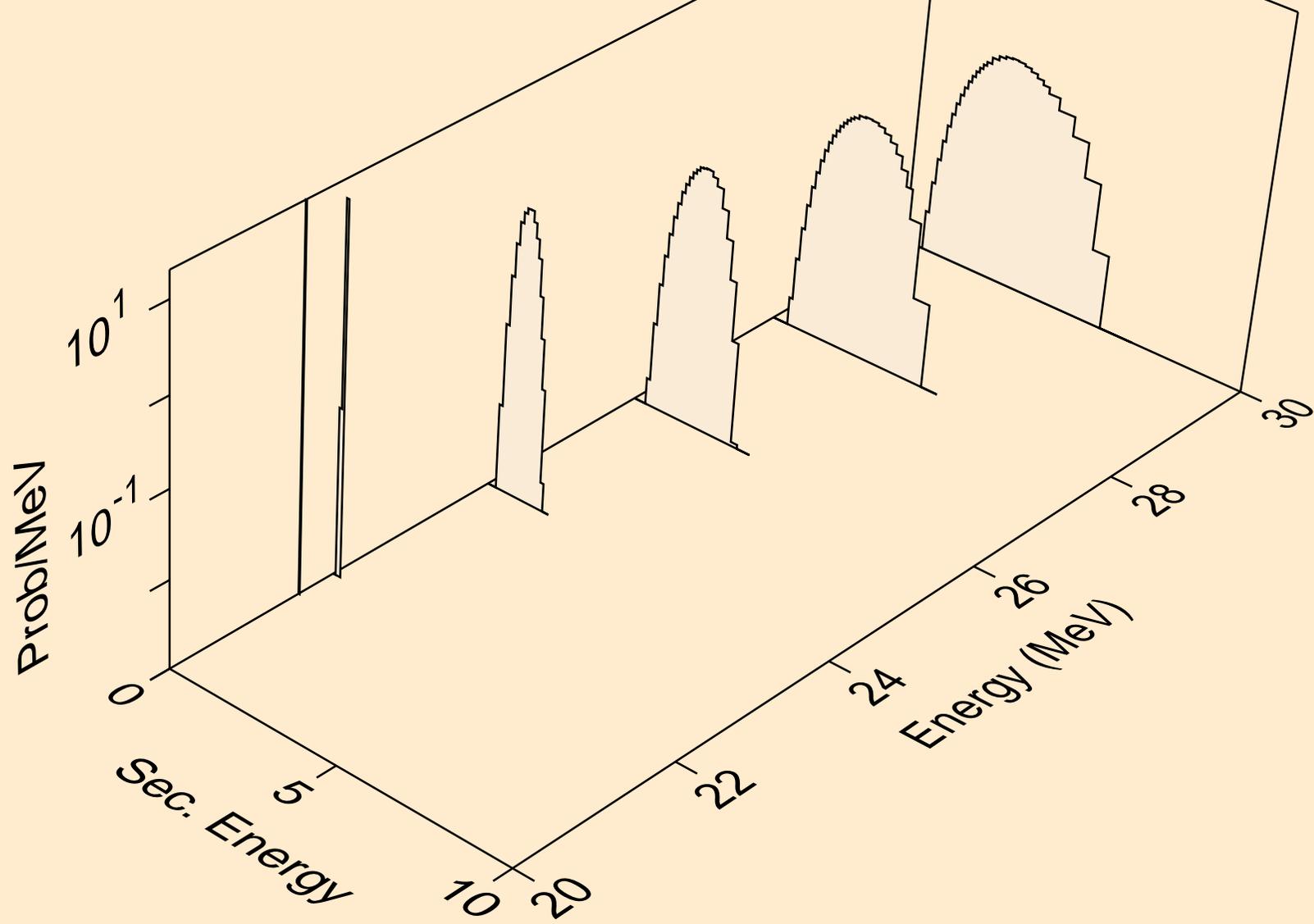protons from (a,p)

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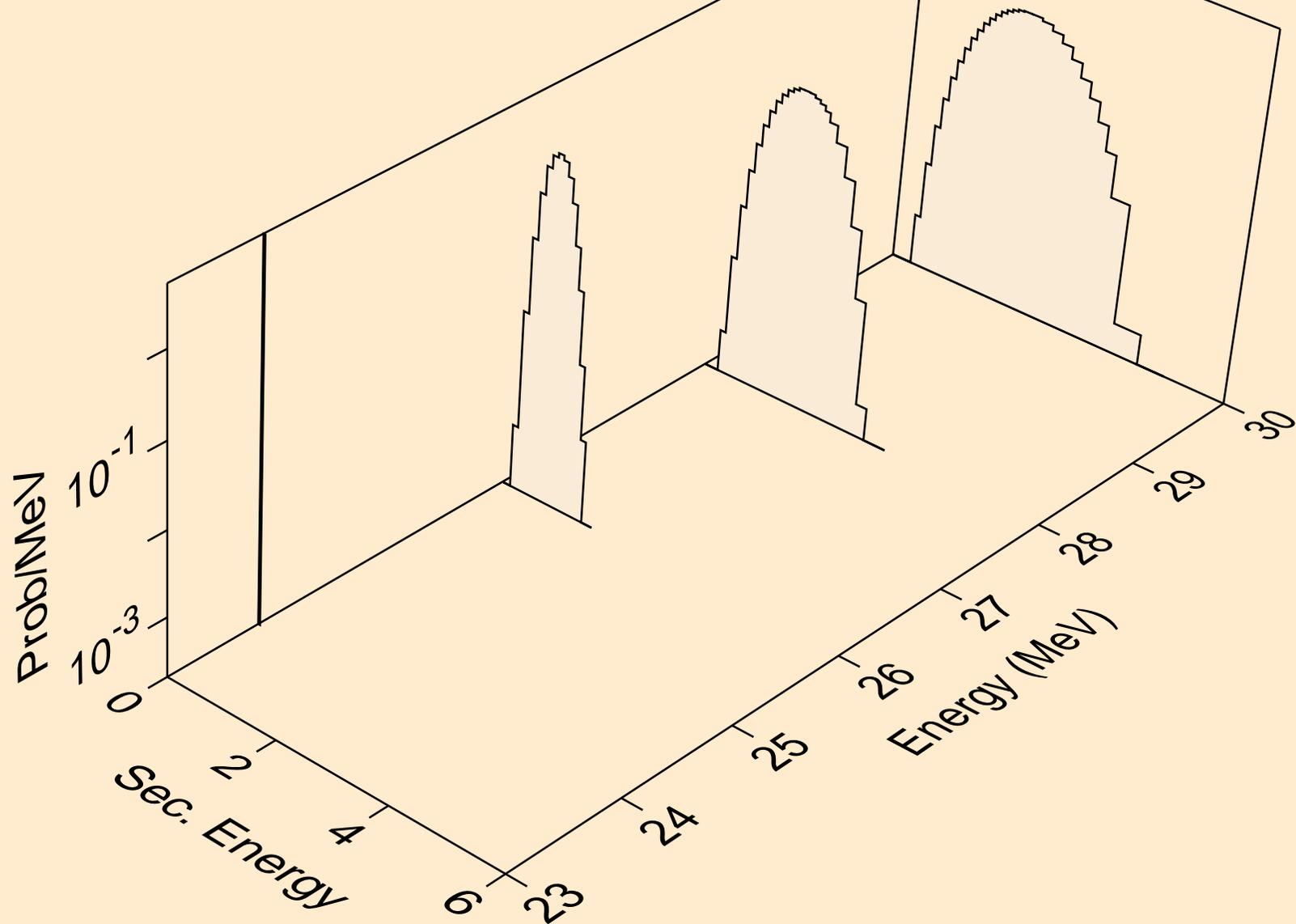protons from (a,2p)

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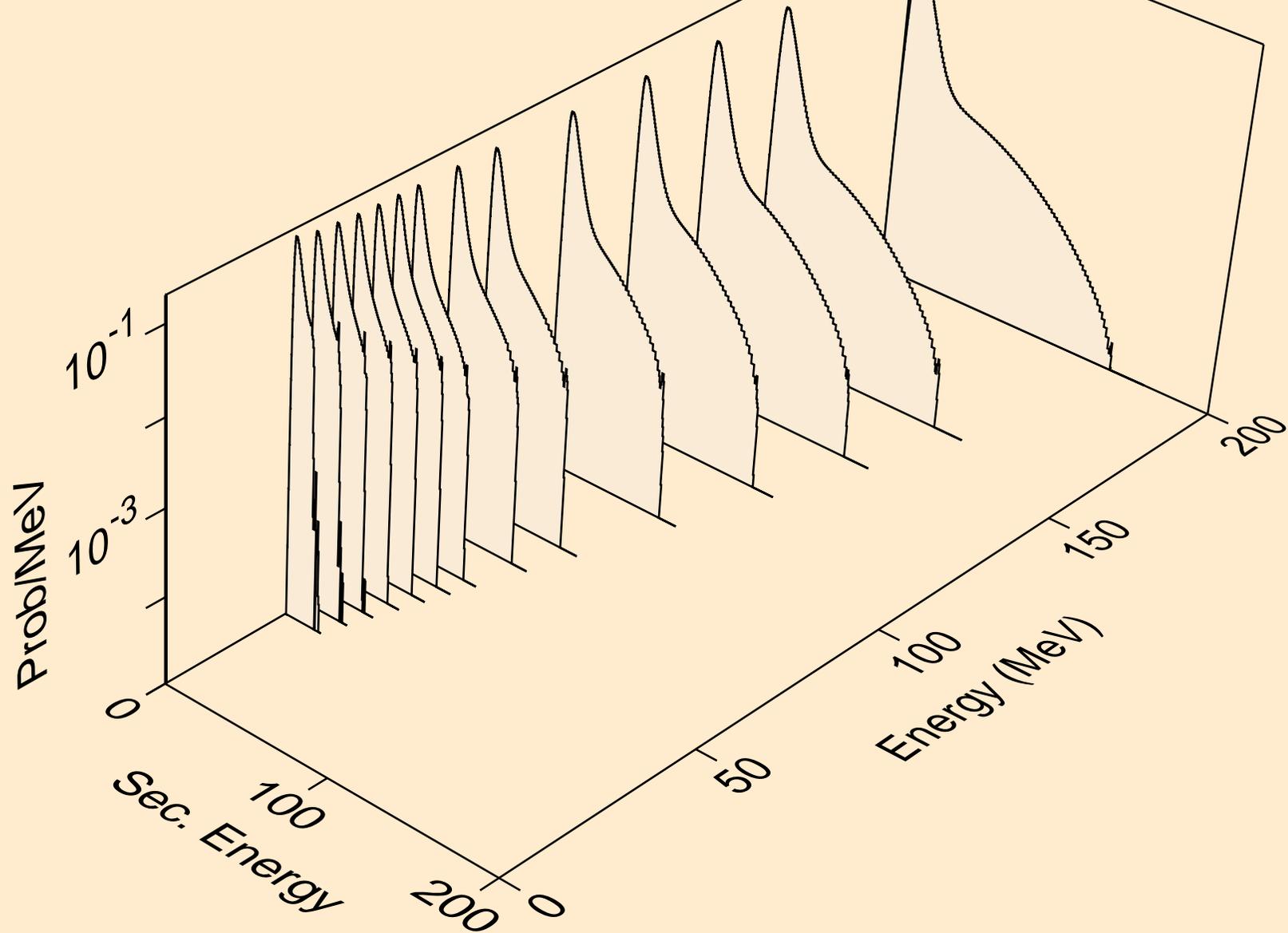protons from (a,pa)

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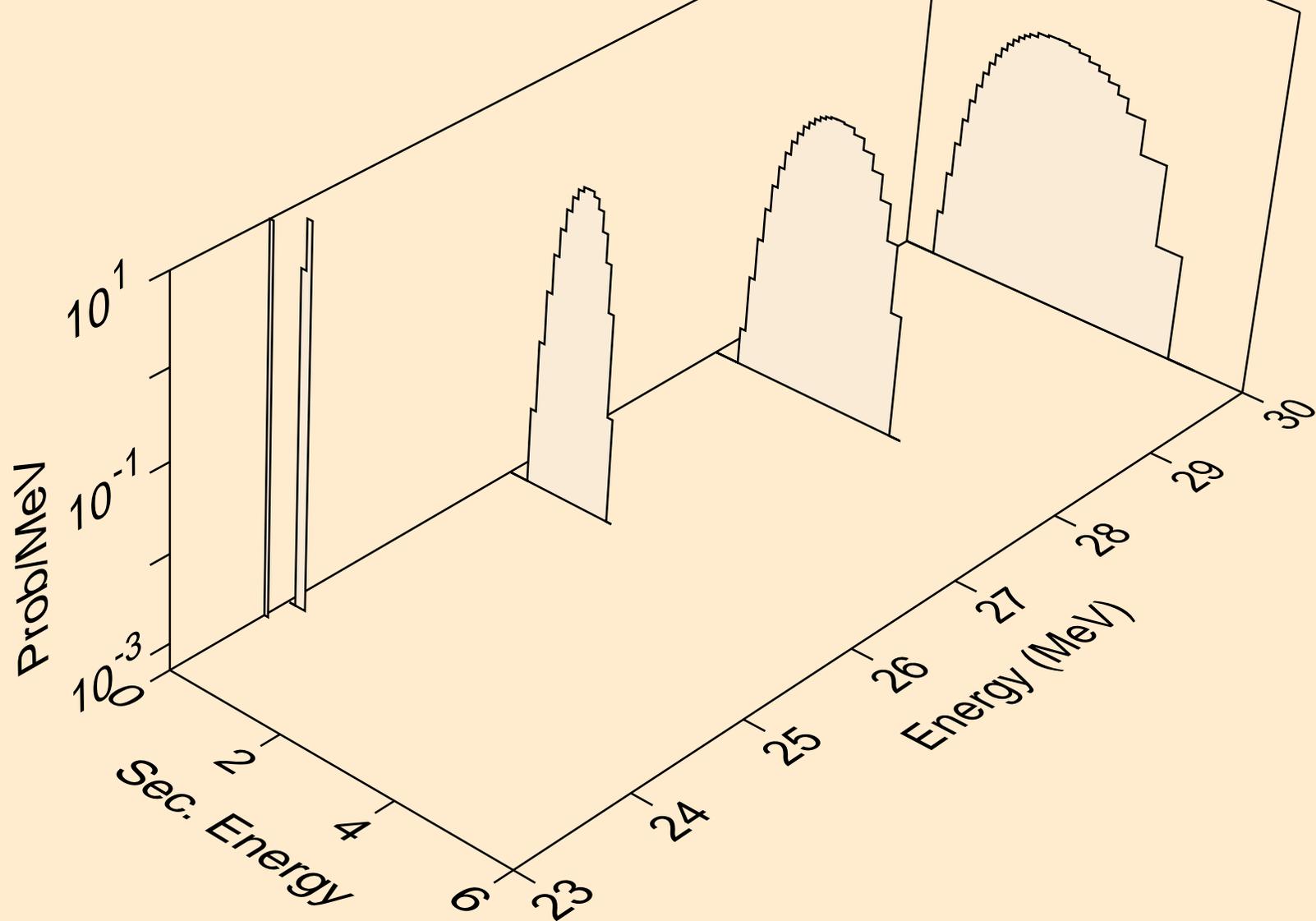protons from (a,pd)

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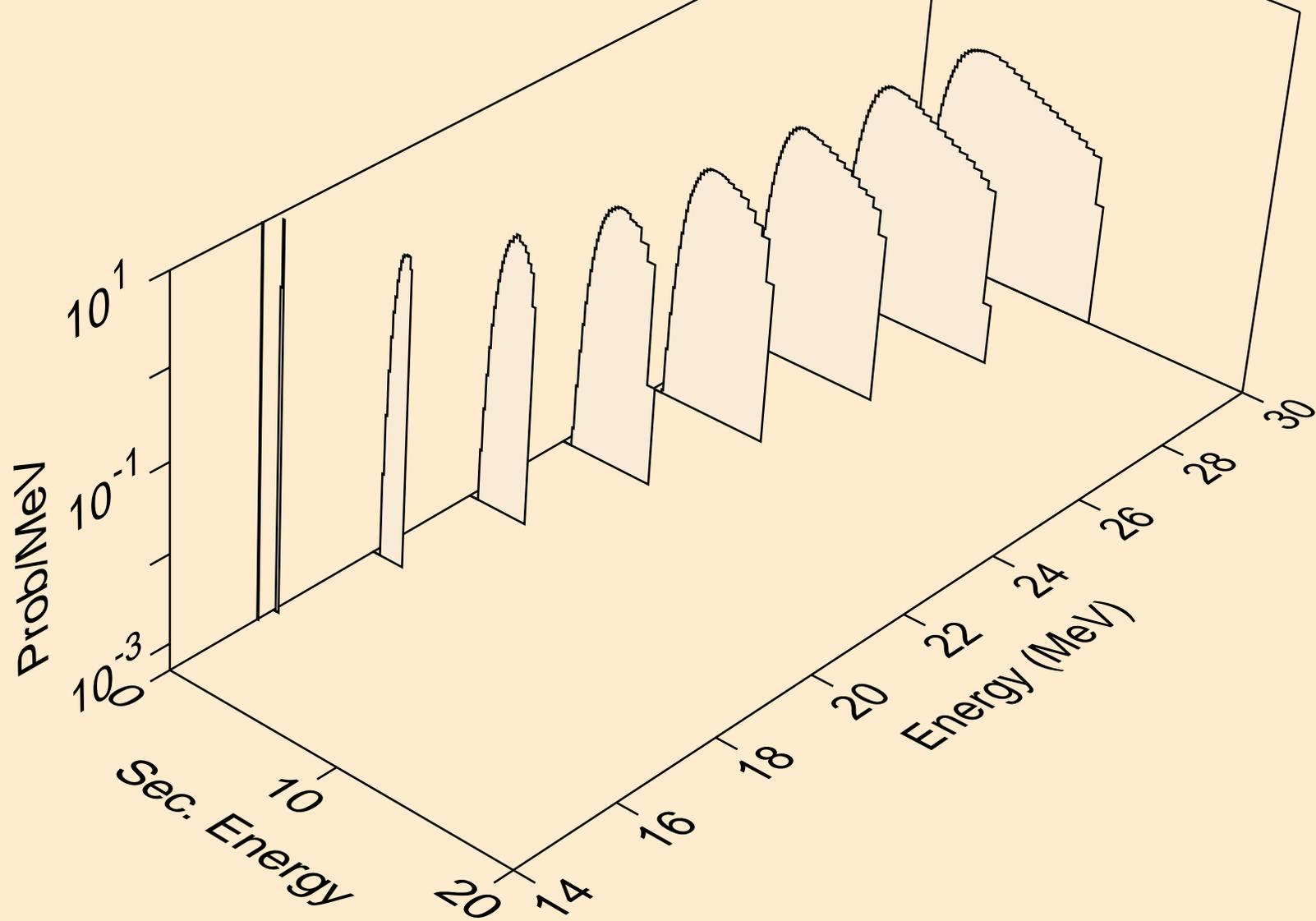protons from (a,pt)

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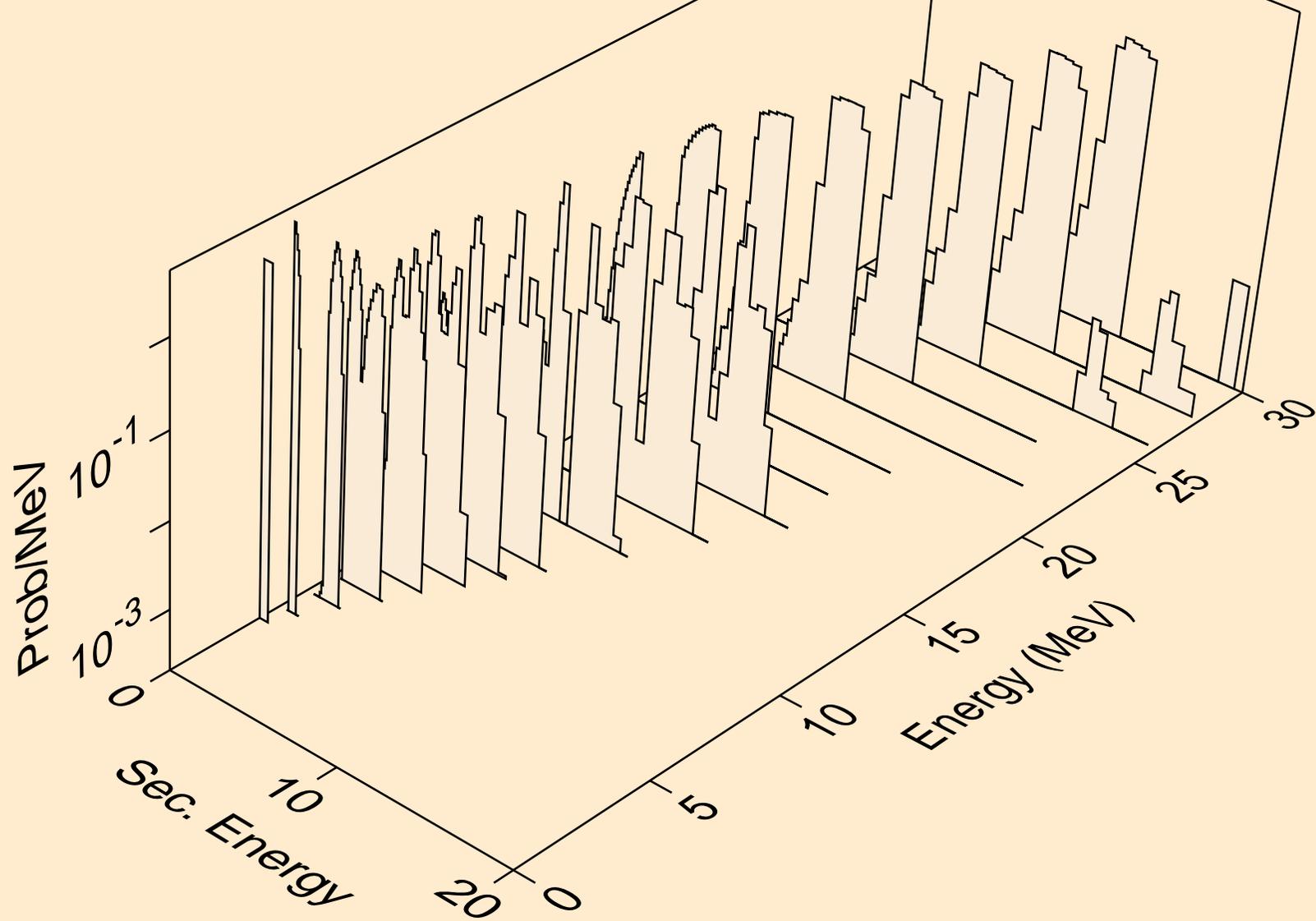deuterons from (a,x)

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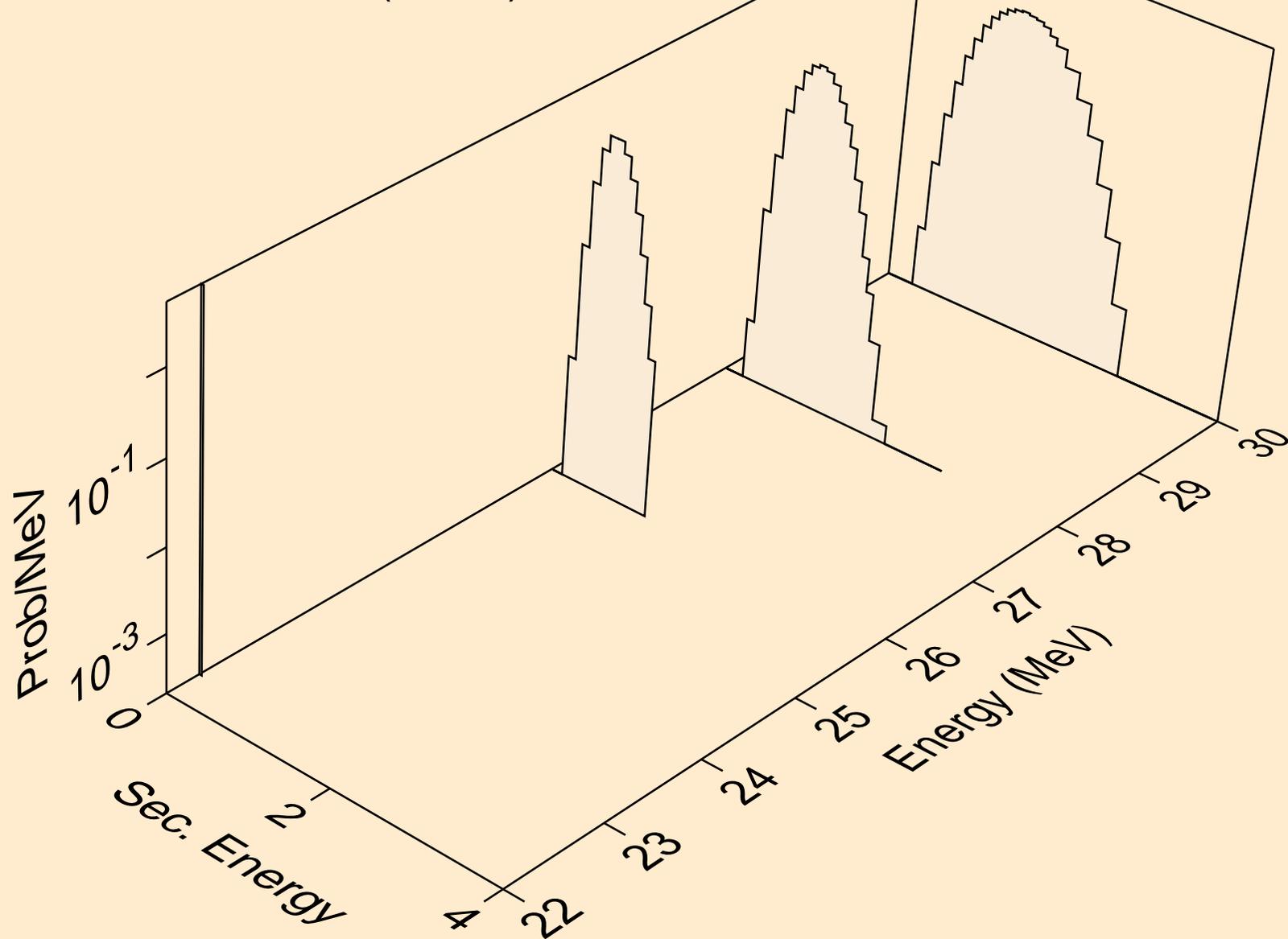deuterons from (a,2nd)

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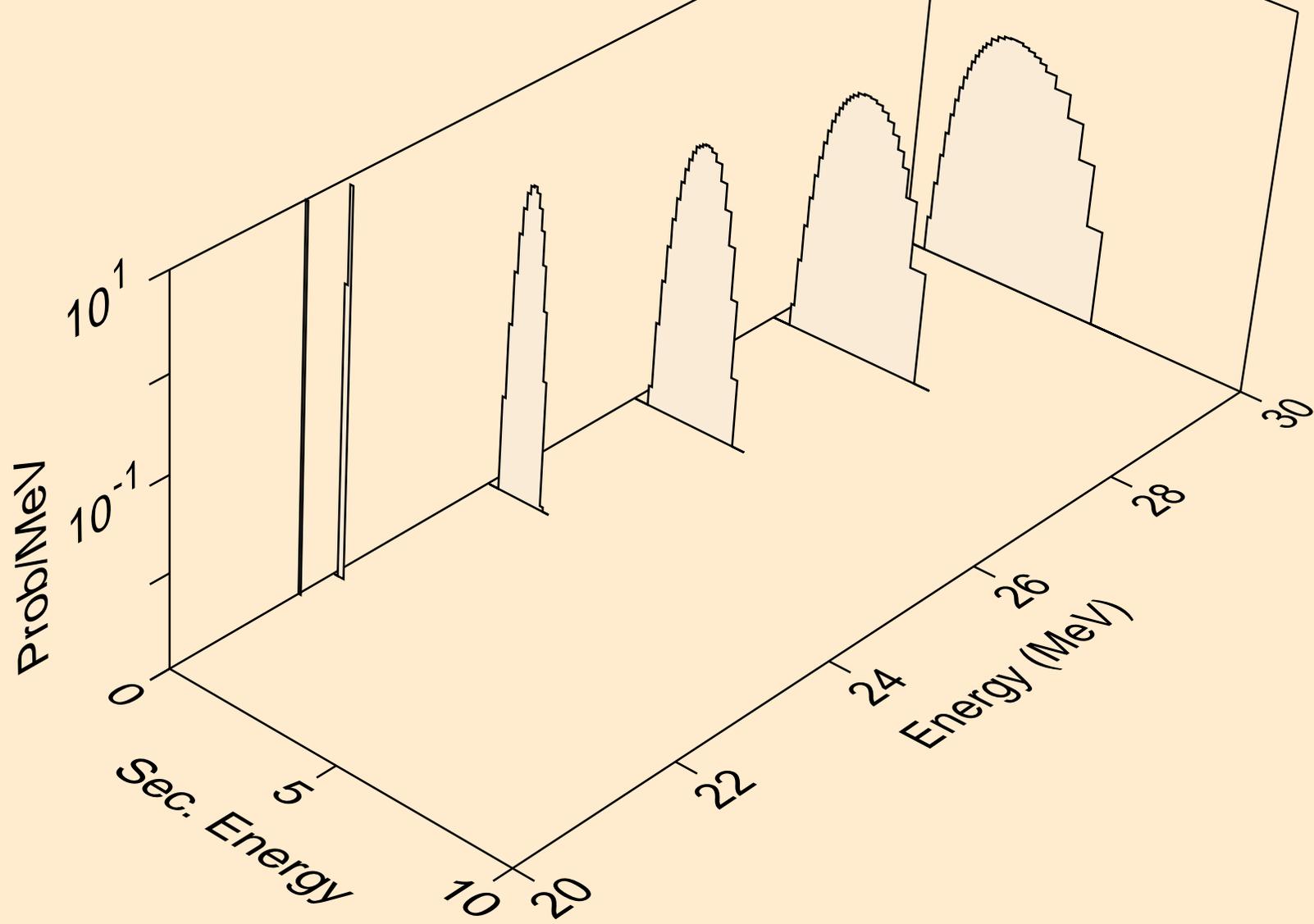deuterons from (a,n*)d

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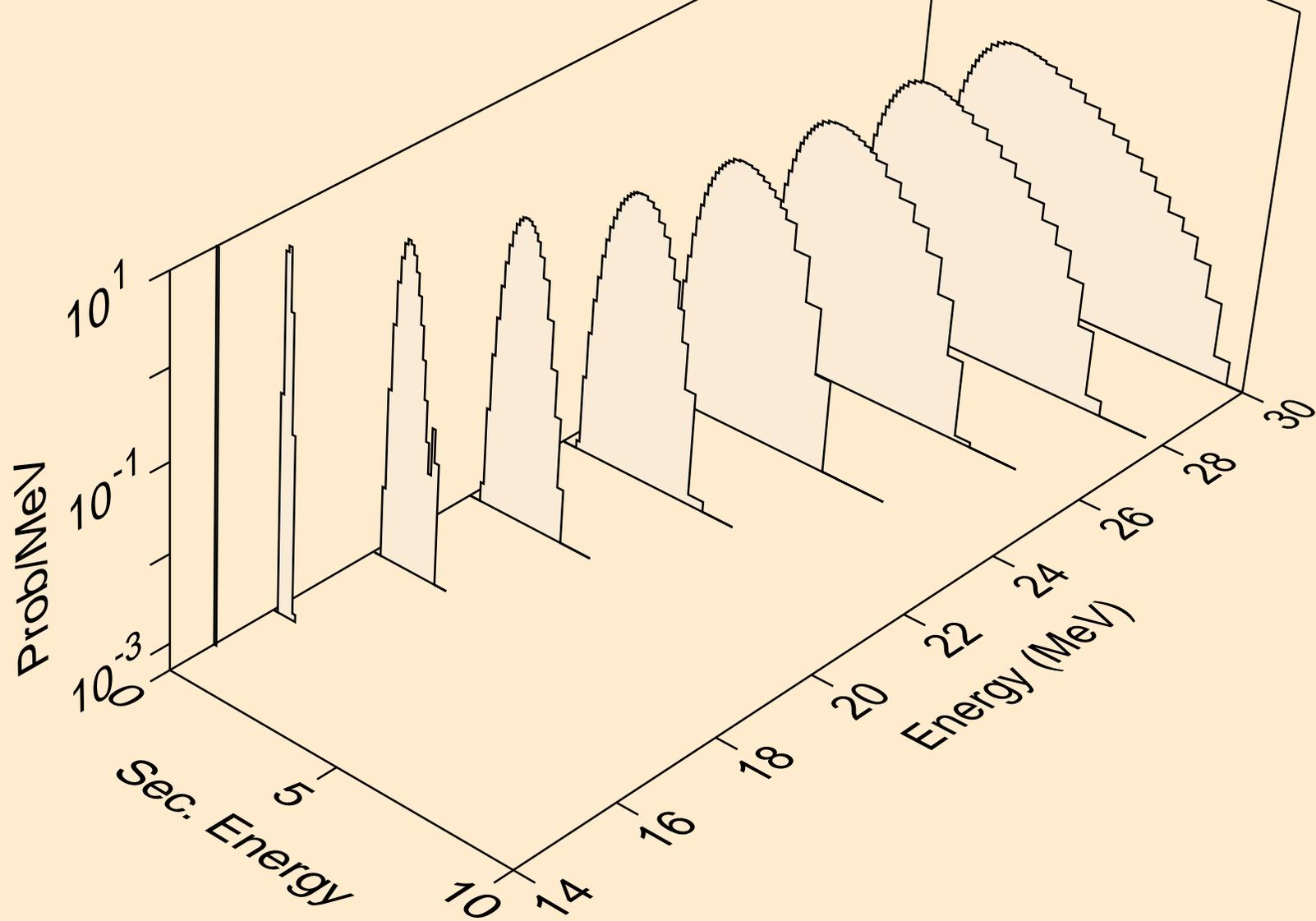deuterons from (a,d)

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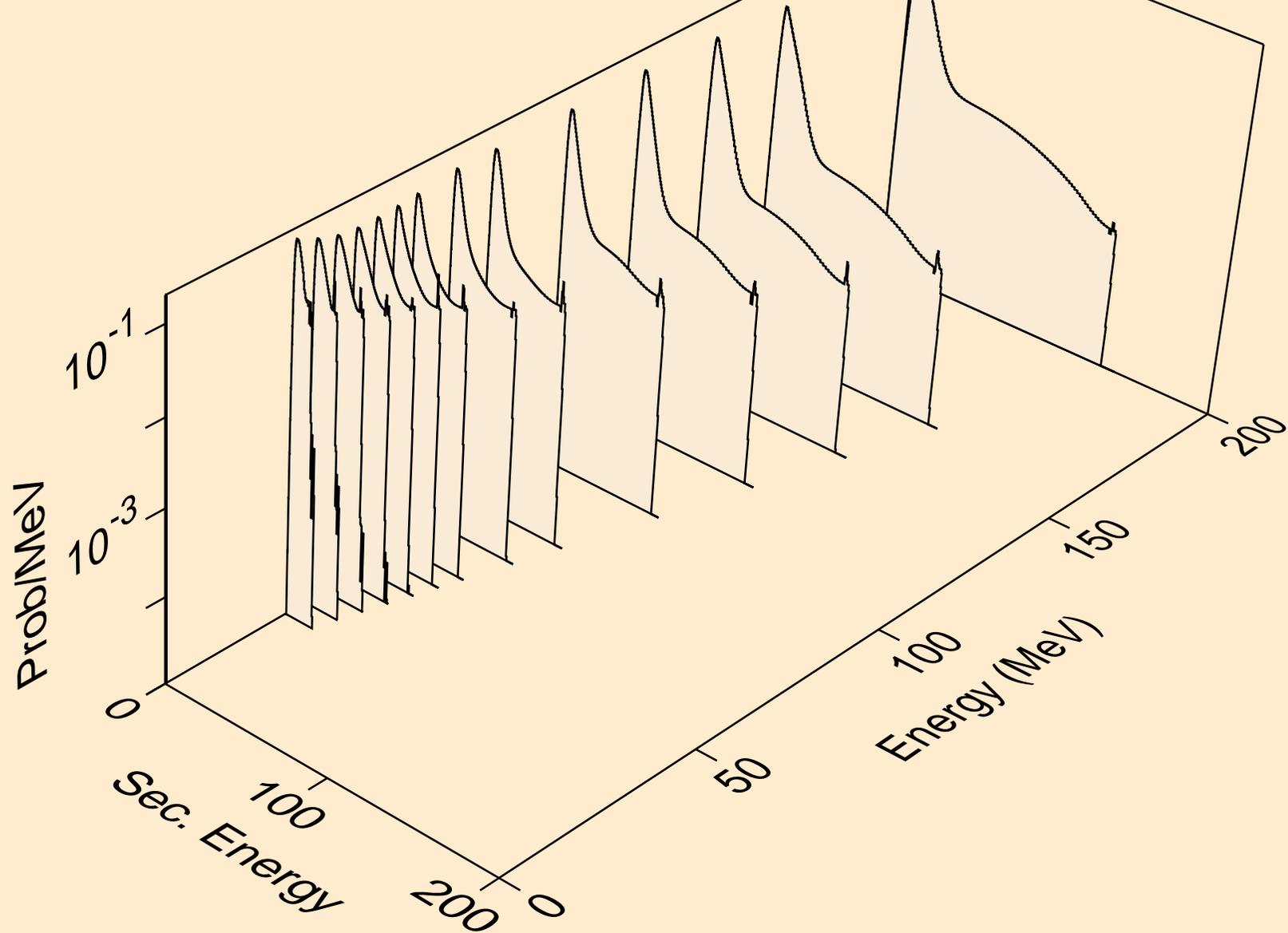deuterons from (a,d2a)

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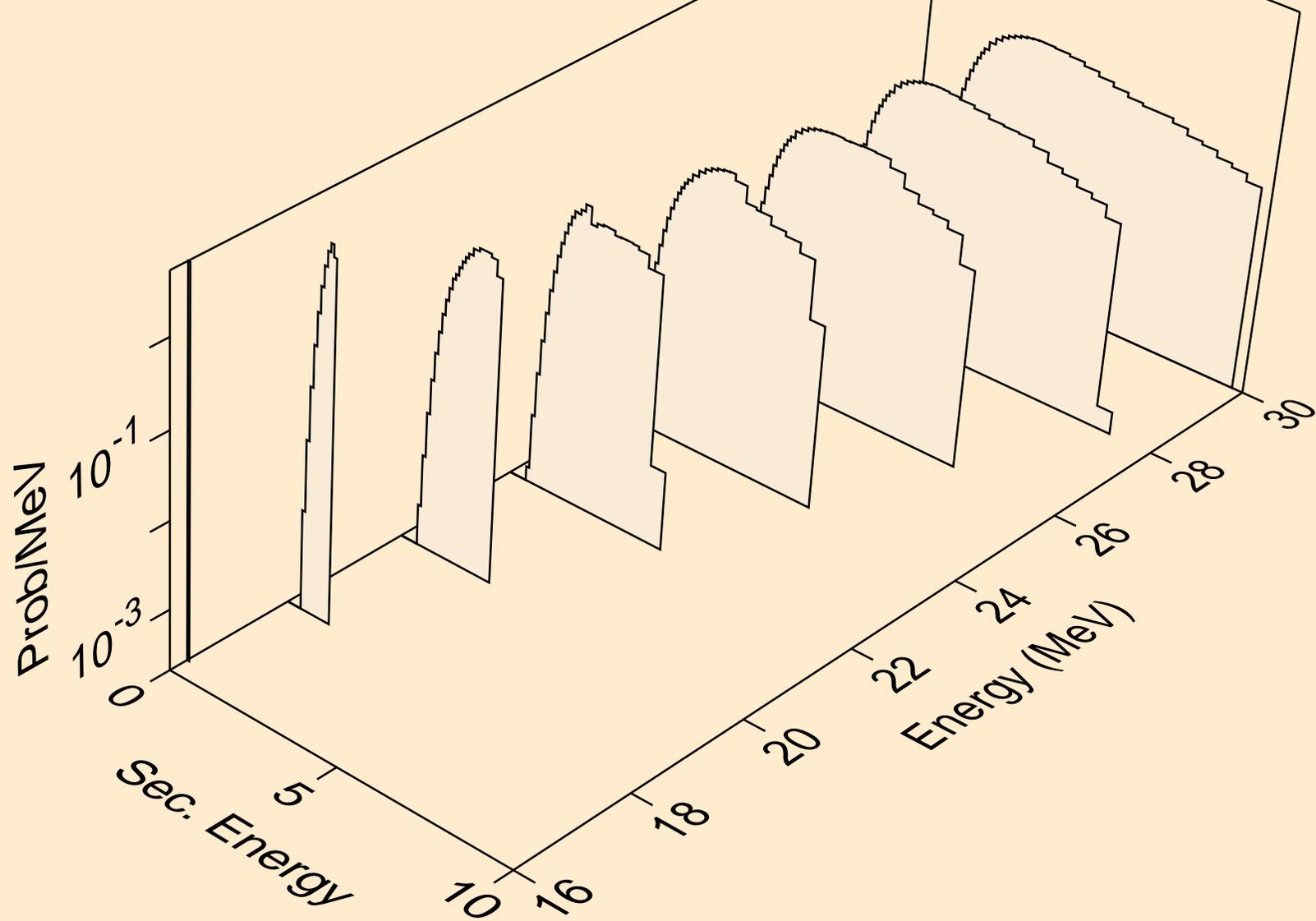deuterons from (a,pd)

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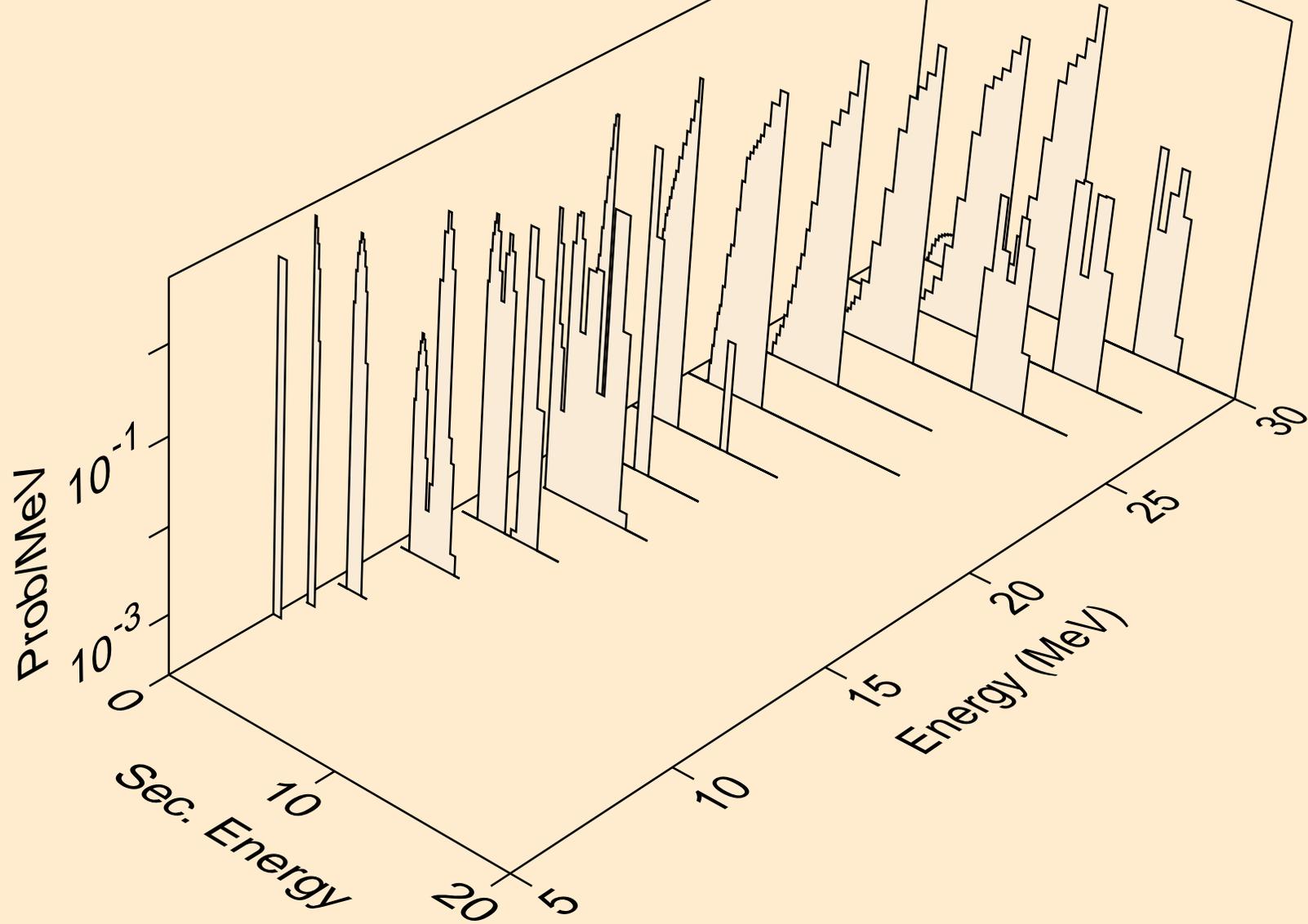deuterons from (a,da)

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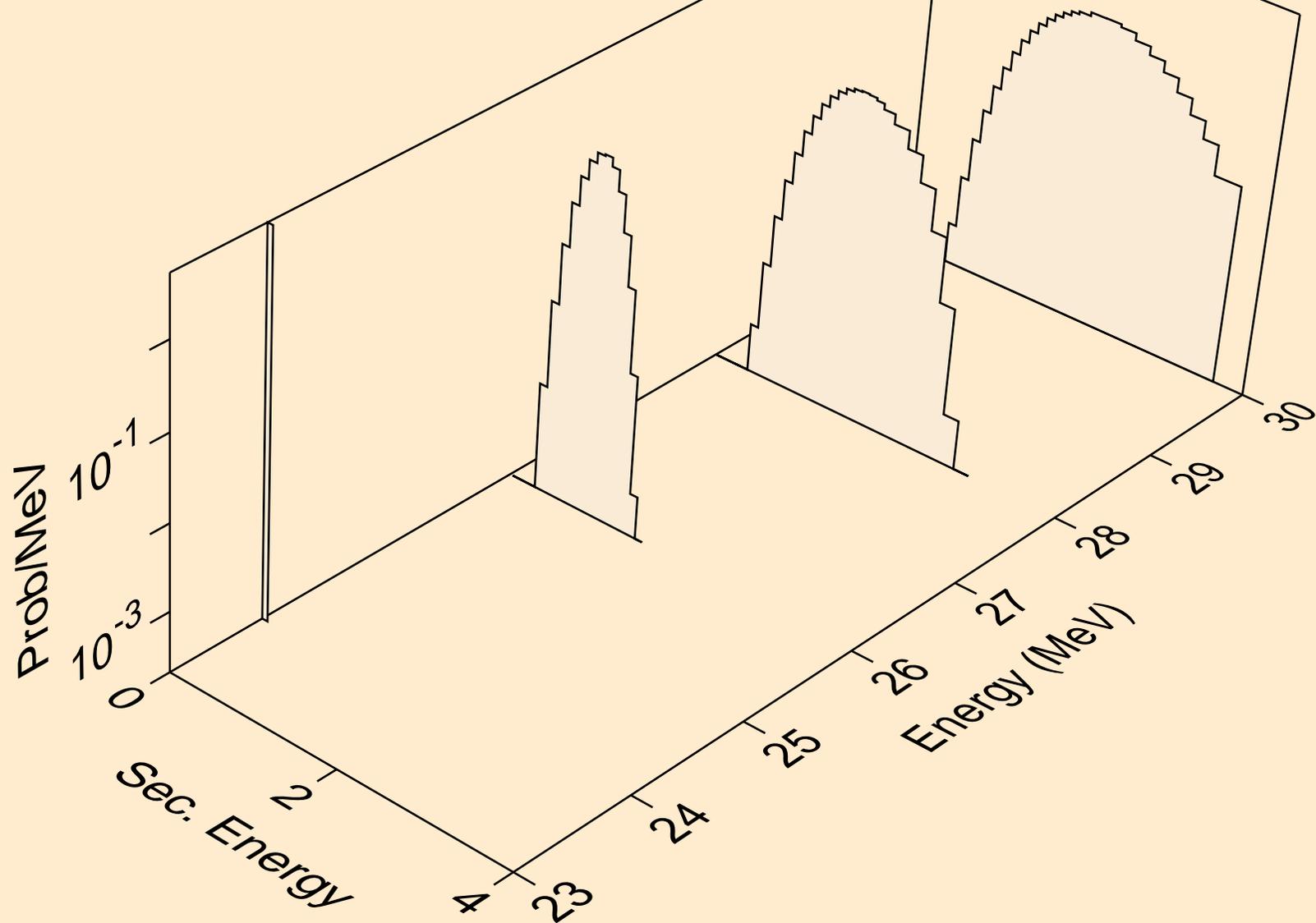tritons from (a,x)

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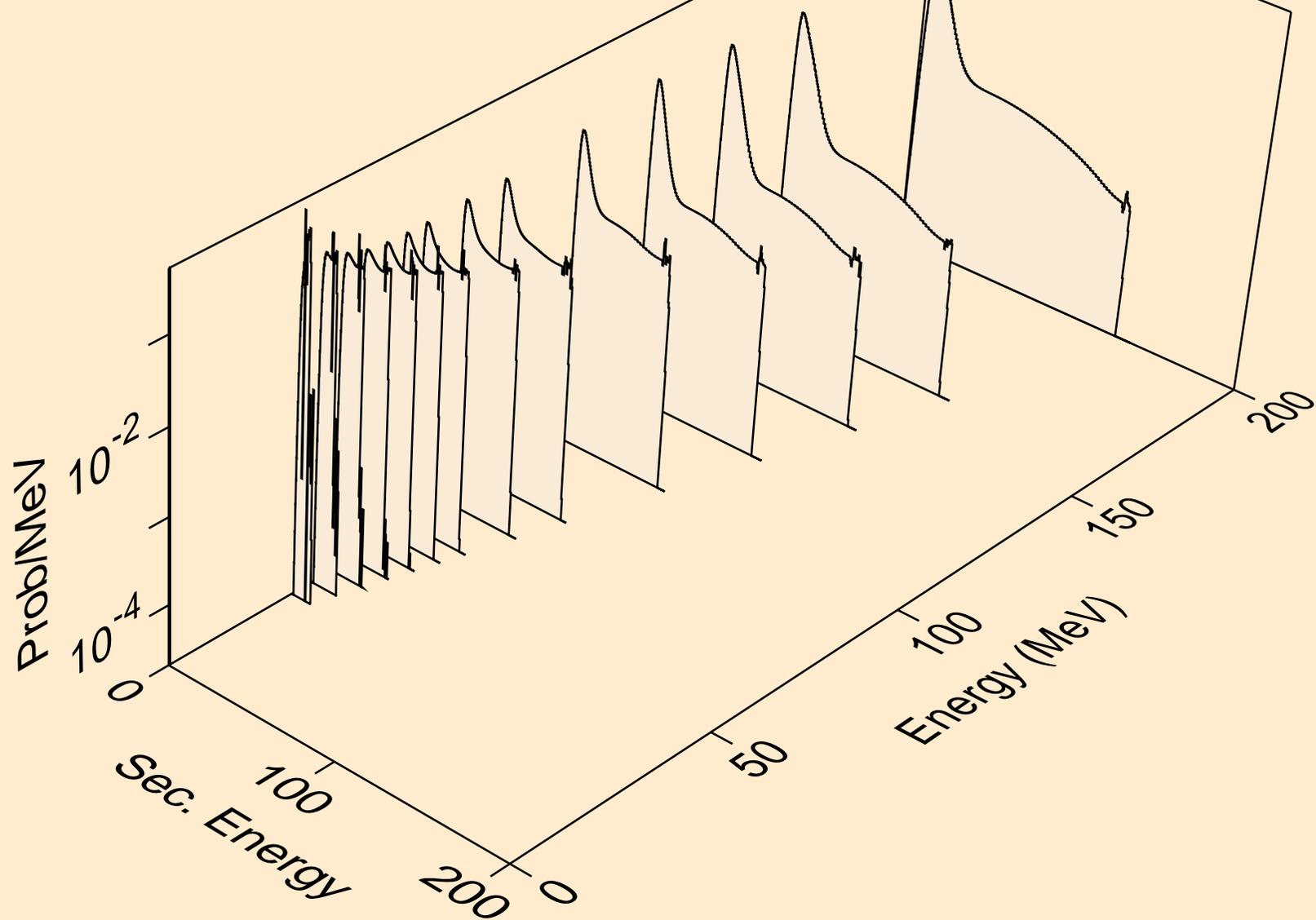tritons from (a,n*)t

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
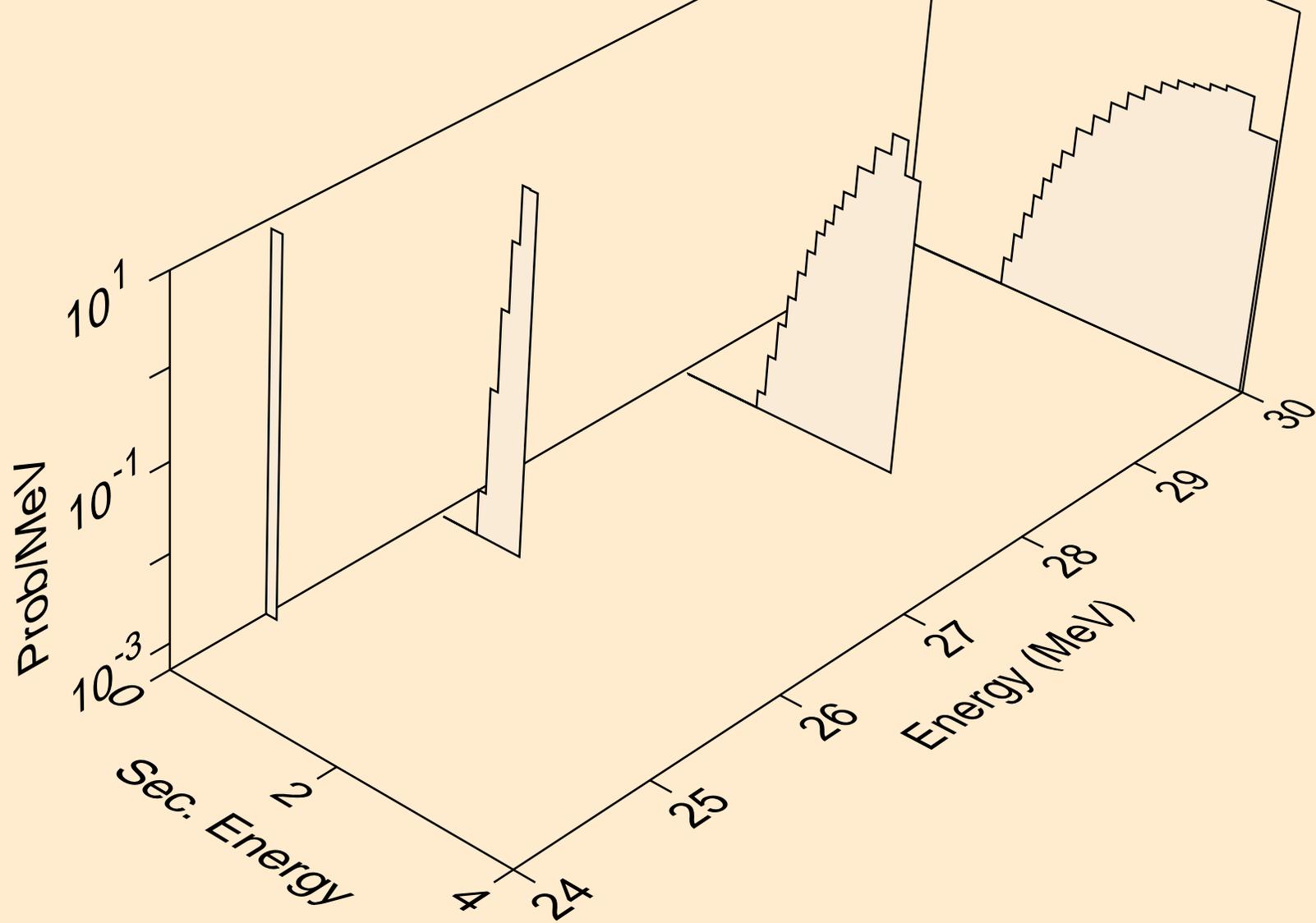tritons from (a,t)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
tritons from (a,pt)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,x)

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,n*)he3

F020 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,he3)