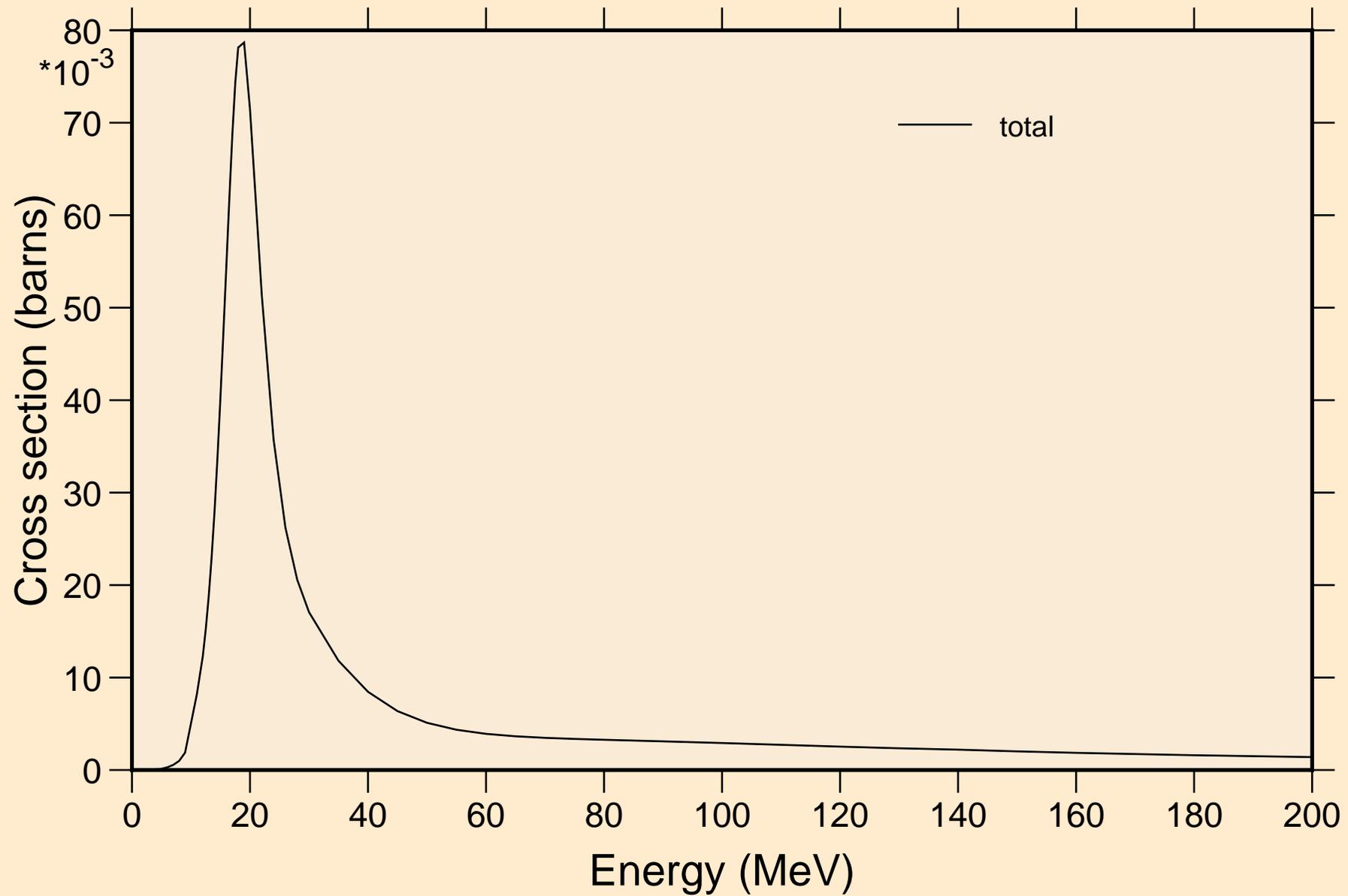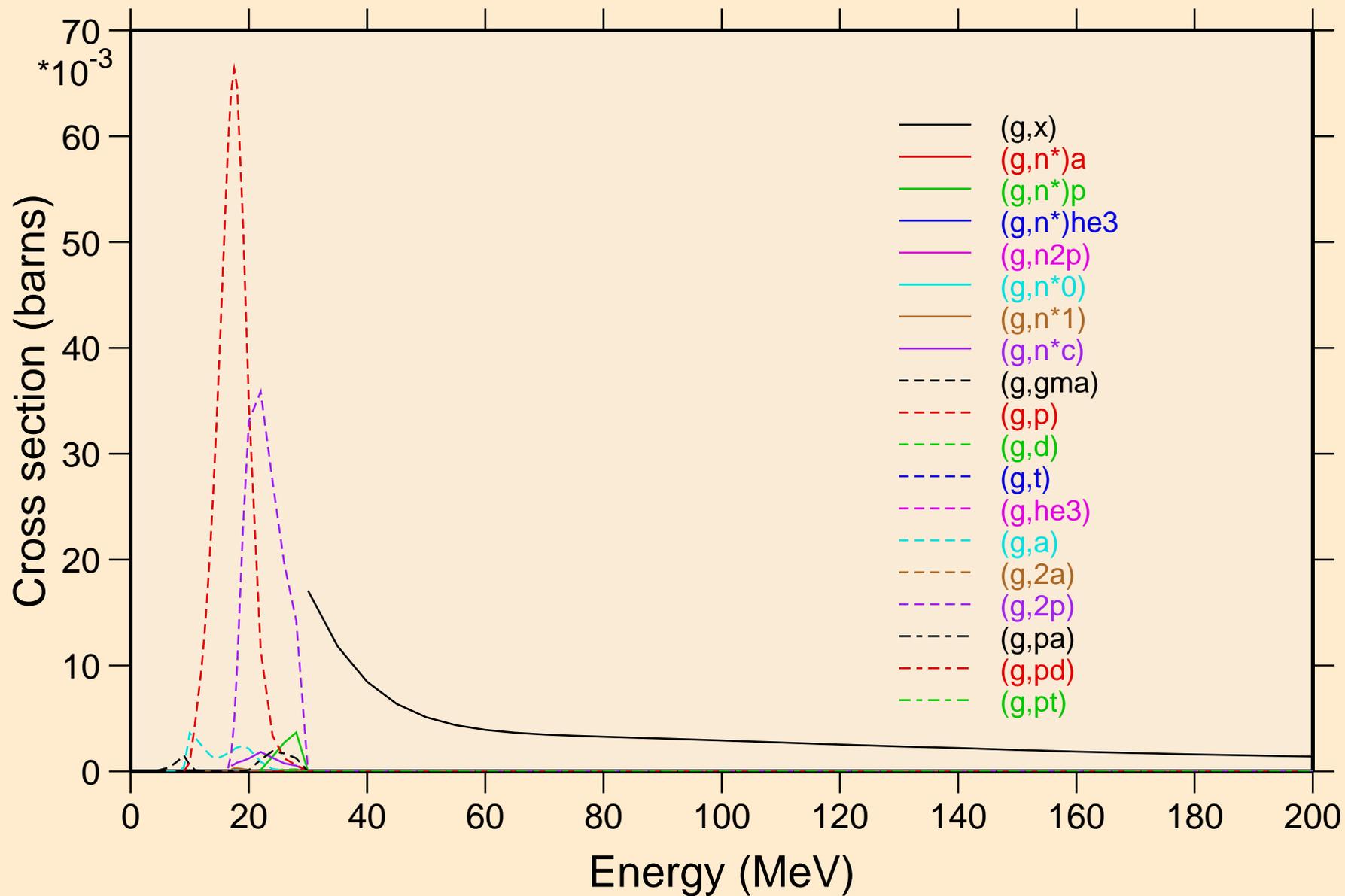TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections
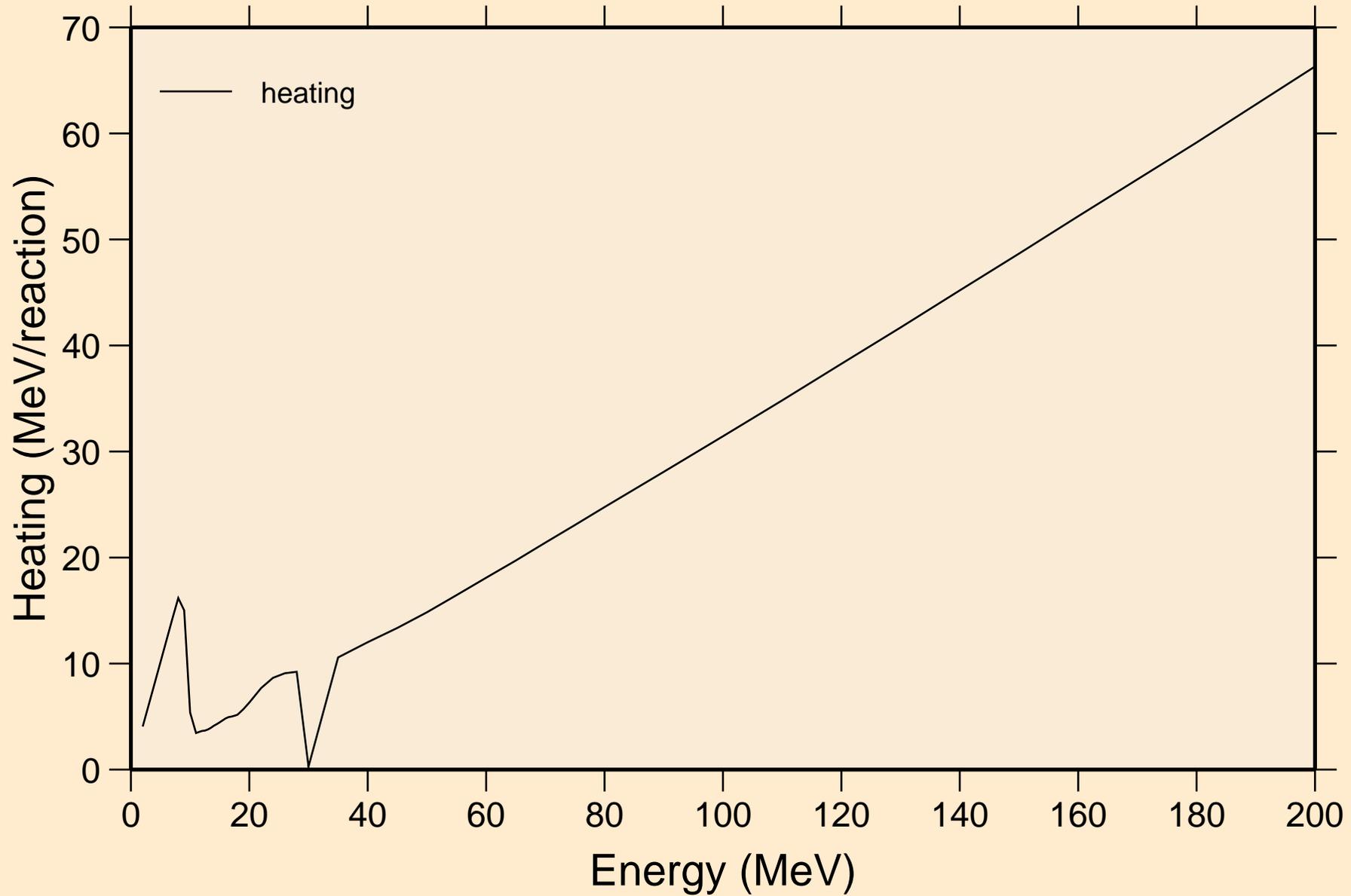
TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Partial cross sections

Cross section (barns)
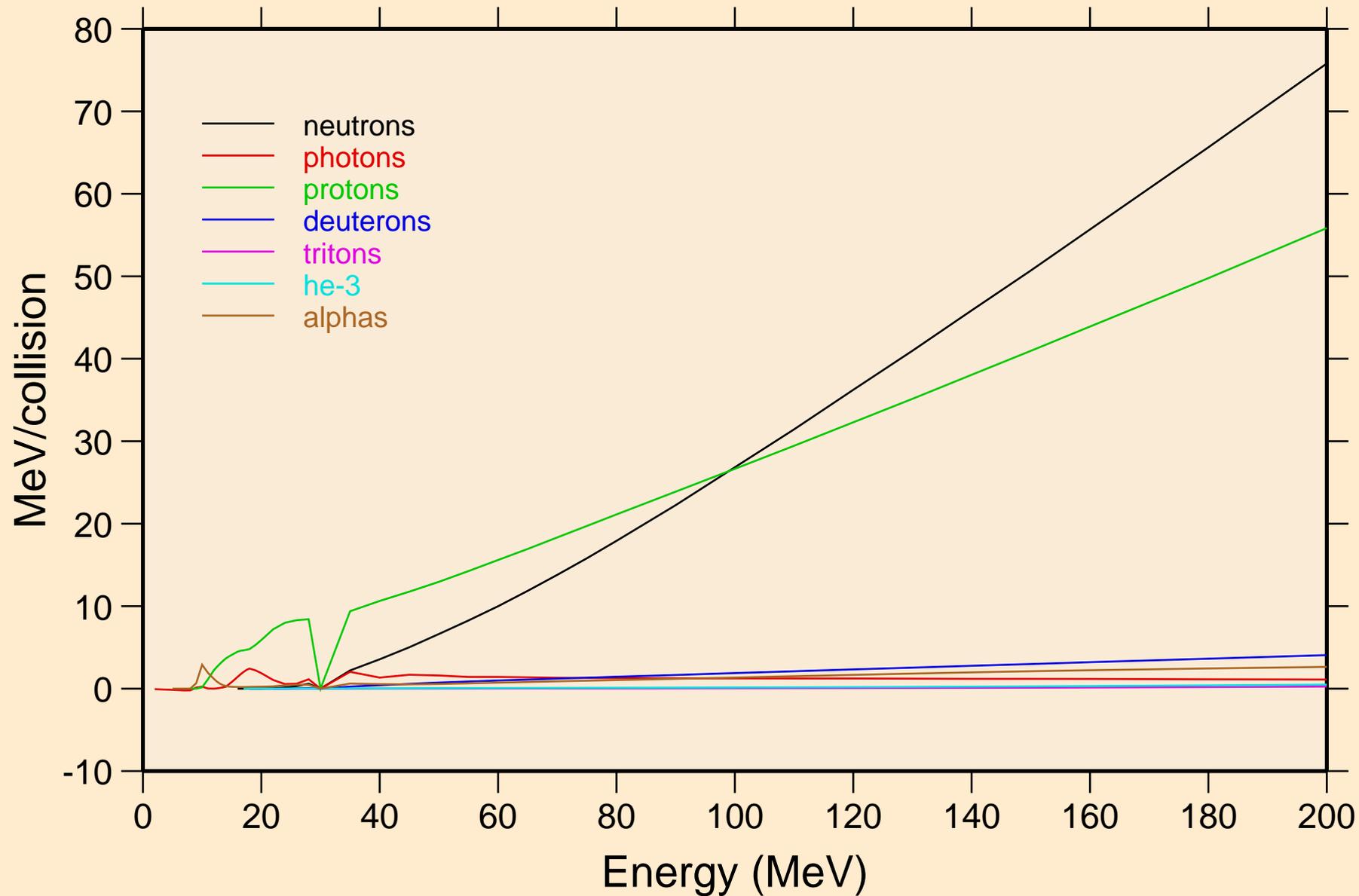
$*10^{-3}$

Energy (MeV)

——	(g,x)
——	(g,n*)a
——	(g,n*)p
——	(g,n*)he3
——	(g,n2p)
——	(g,n*0)
——	(g,n*1)
——	(g,n*c)
- - -	(g,gma)
- - -	(g,p)
- - -	(g,d)
- - -	(g,t)
- - -	(g,he3)
- - -	(g,a)
- - -	(g,2a)
- - -	(g,2p)
-·-·-	(g,pa)
-·-·-	(g,pd)
-·-·-	(g,pt)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Heating

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

Legend:
- neutrons
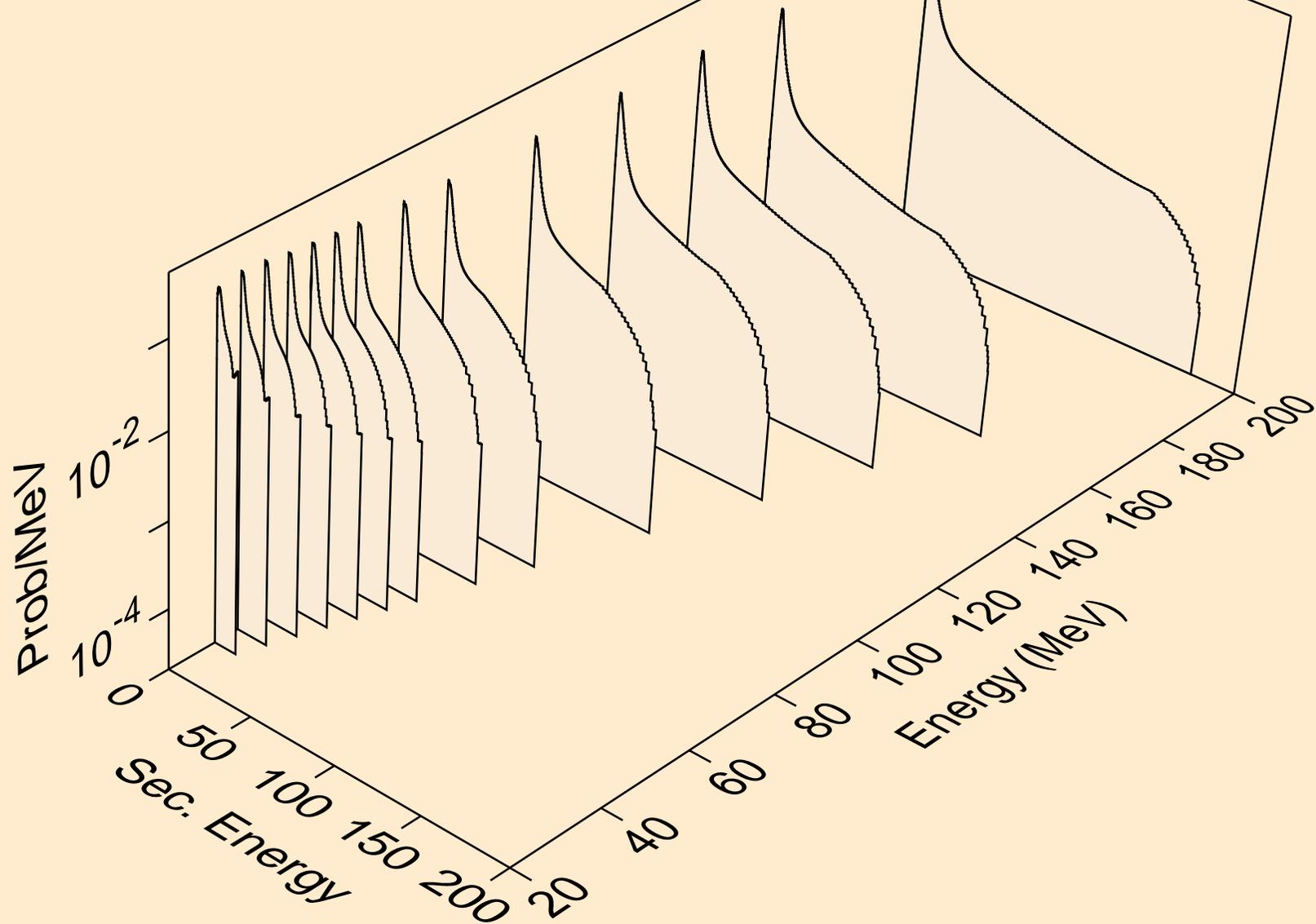- photons
- protons
- deuterons
- tritons
- he-3
- alphas

Y-axis: MeV/collision
X-axis: Energy (MeV)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections

Legend:
- neutrons
- photons/5
- protons
- deuterons
- tritons
- he-3
- alphas

Y-axis: Cross section (barns) ×10⁻³, from 0 to 120
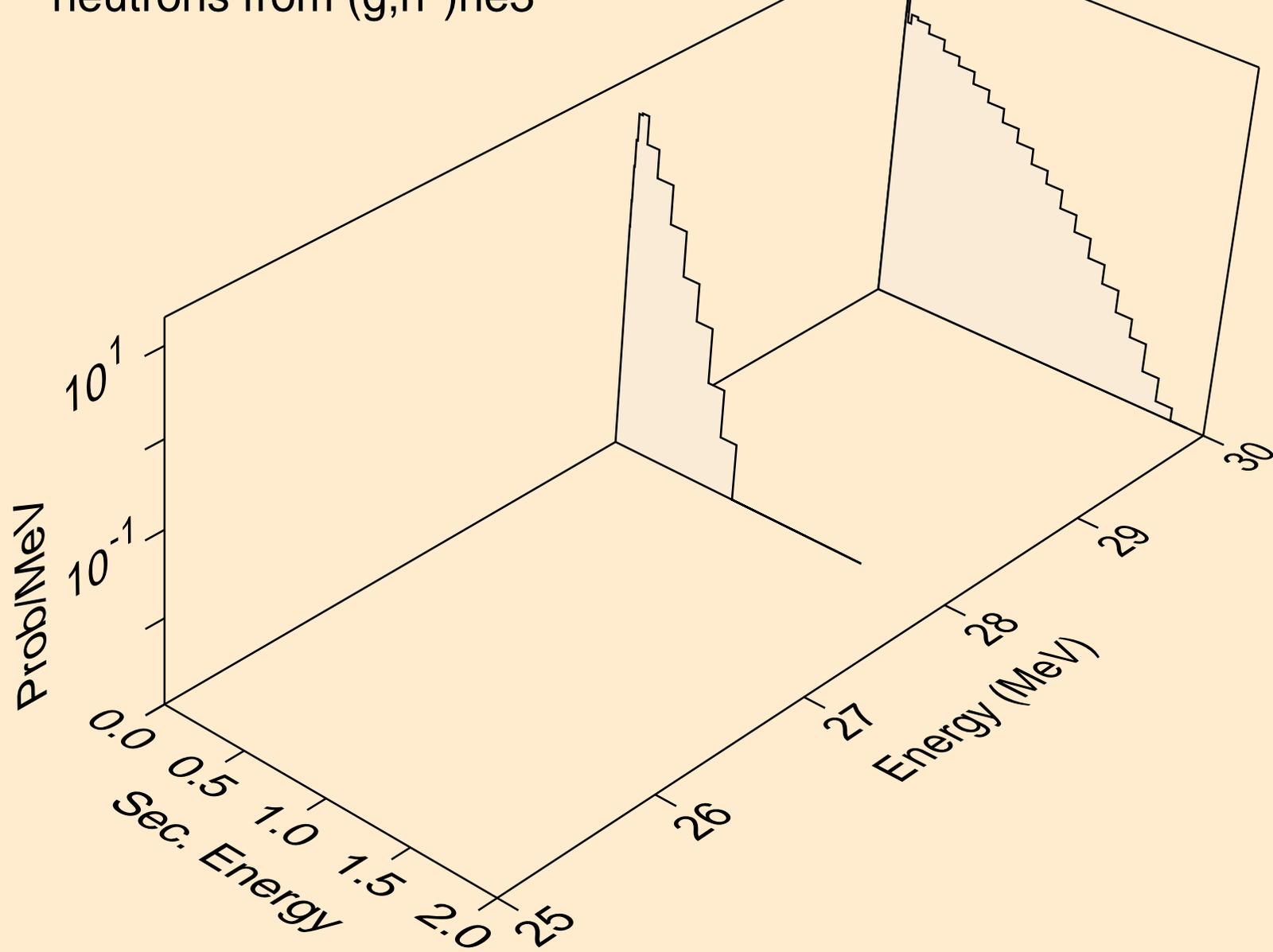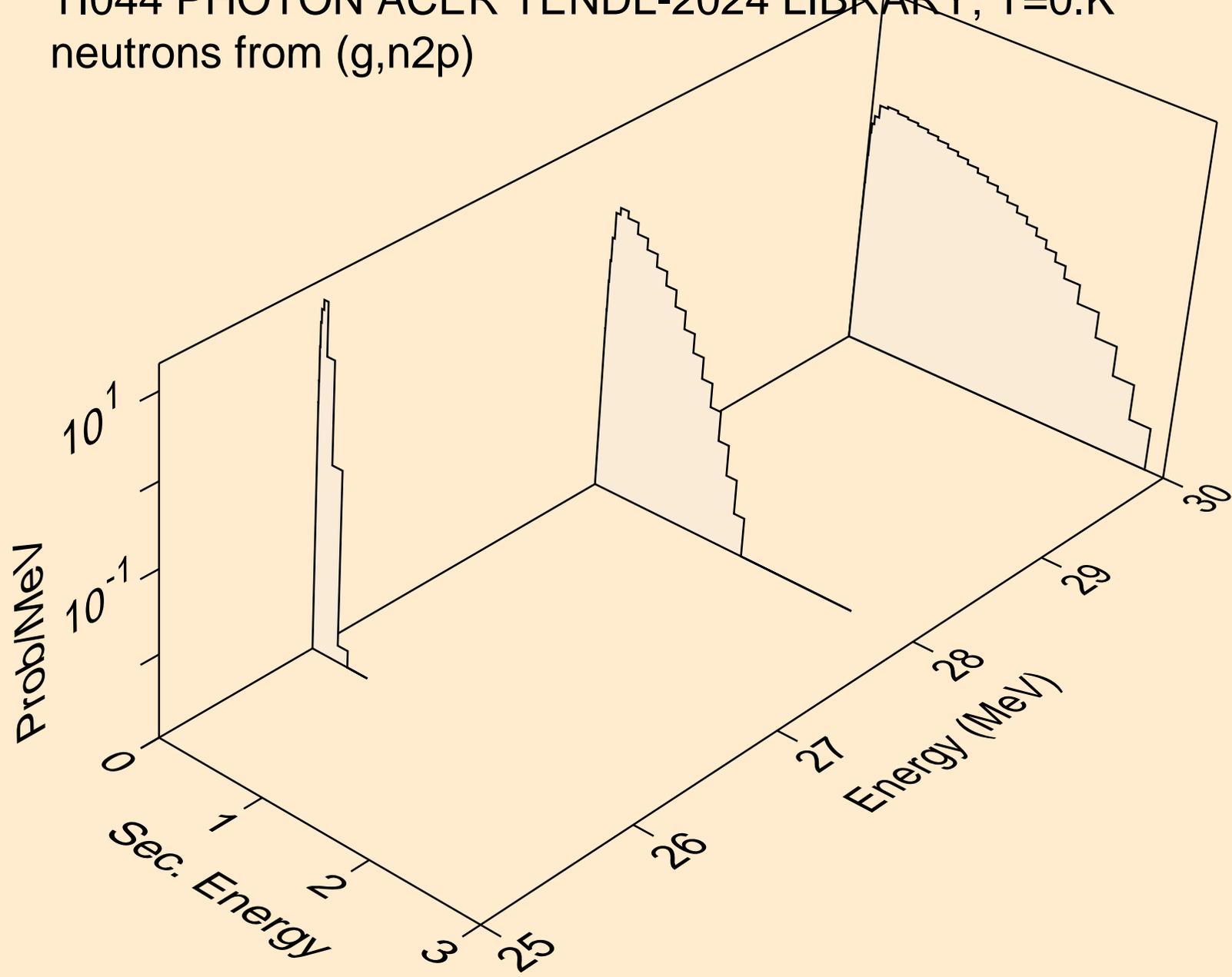X-axis: Energy (MeV), from 0 to 200
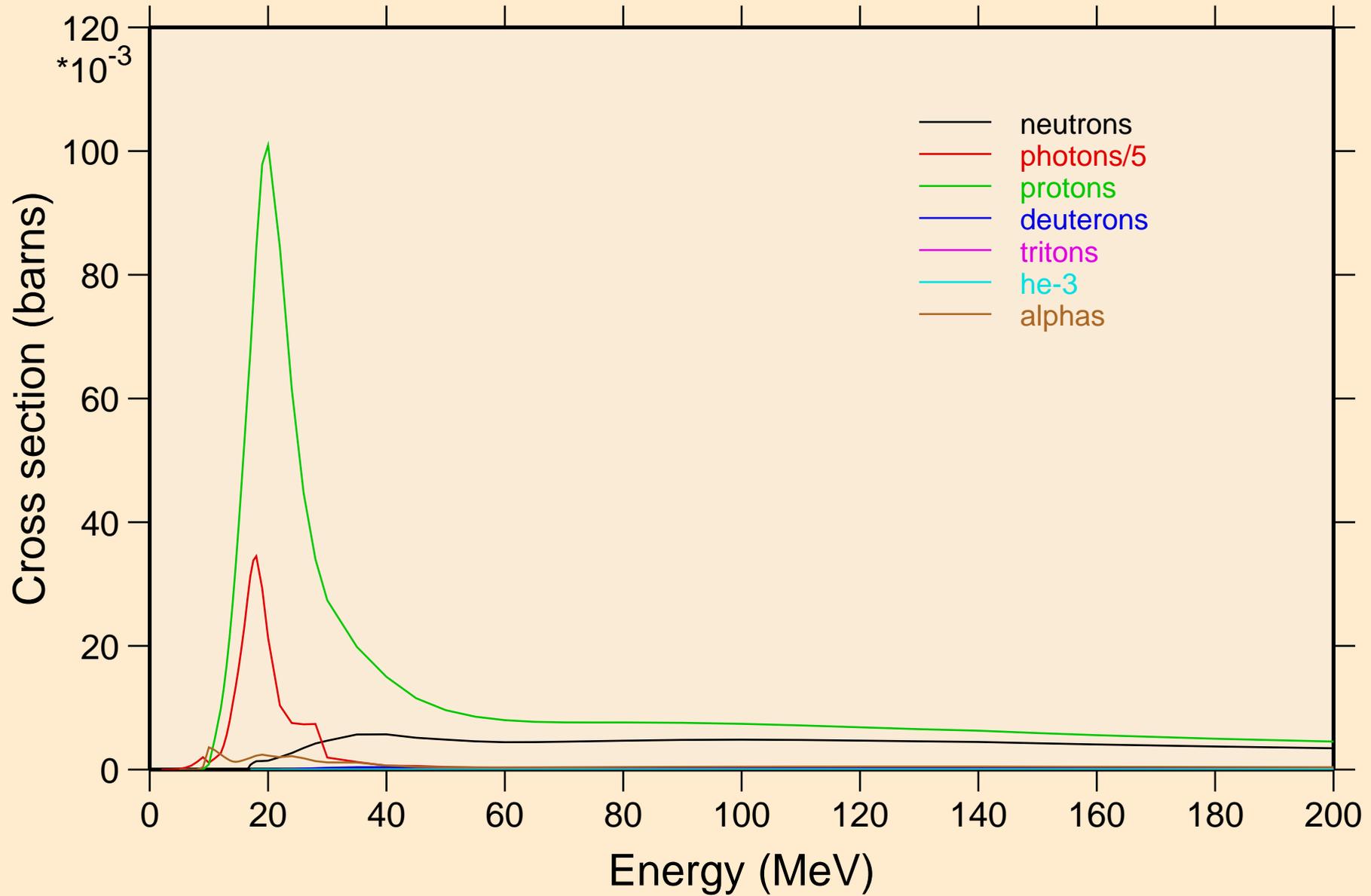
TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,x)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)a
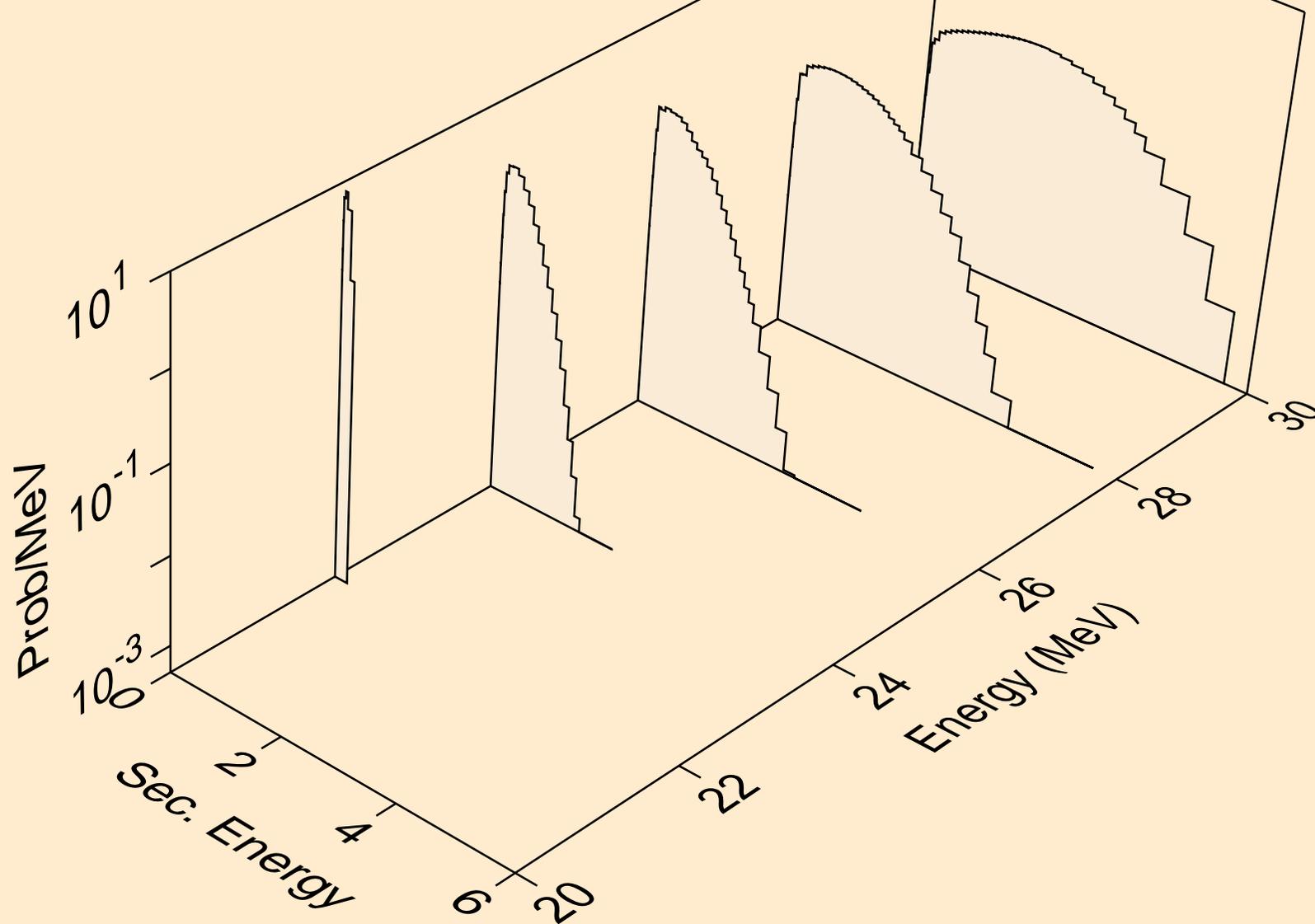
TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
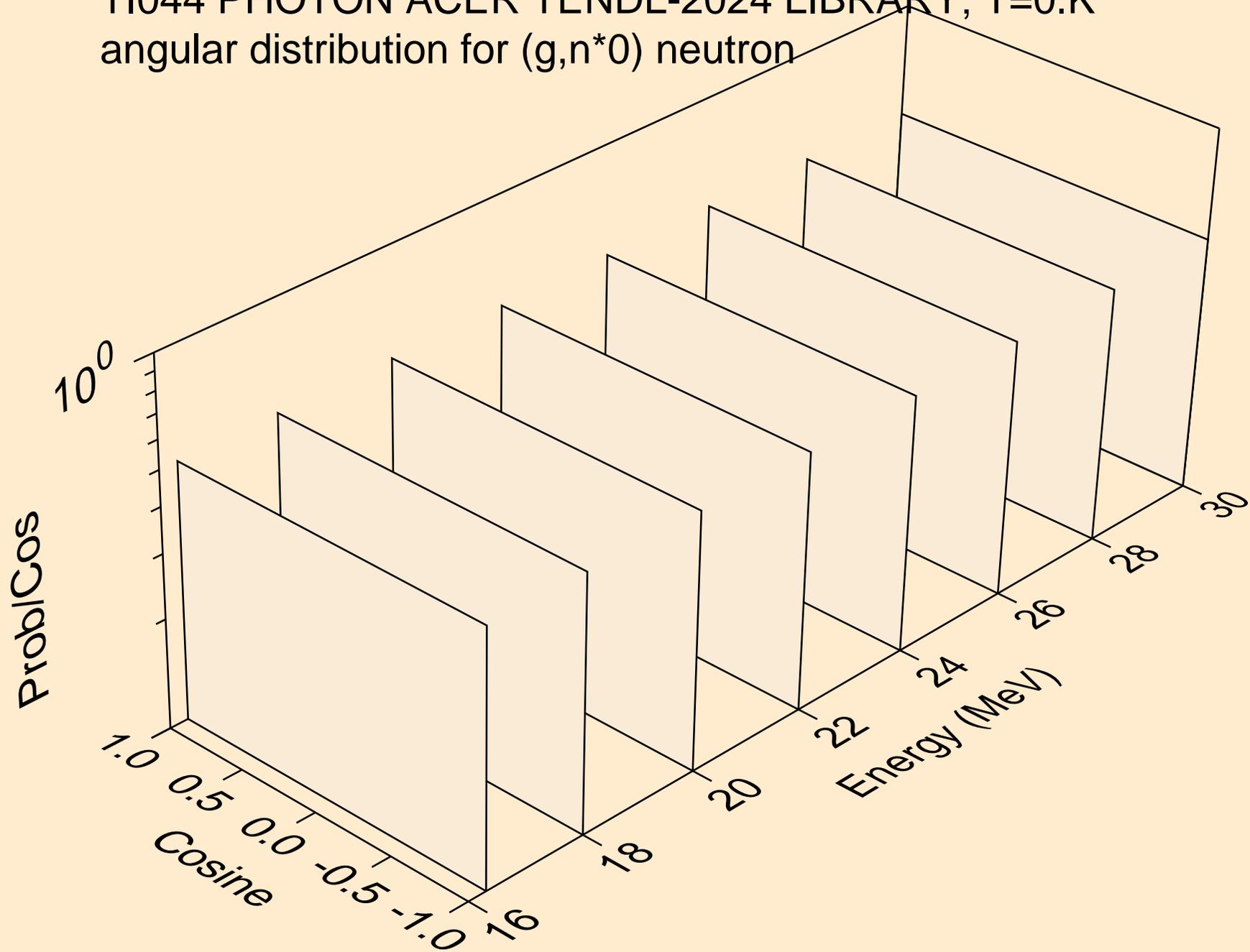neutrons from (g,n*)p
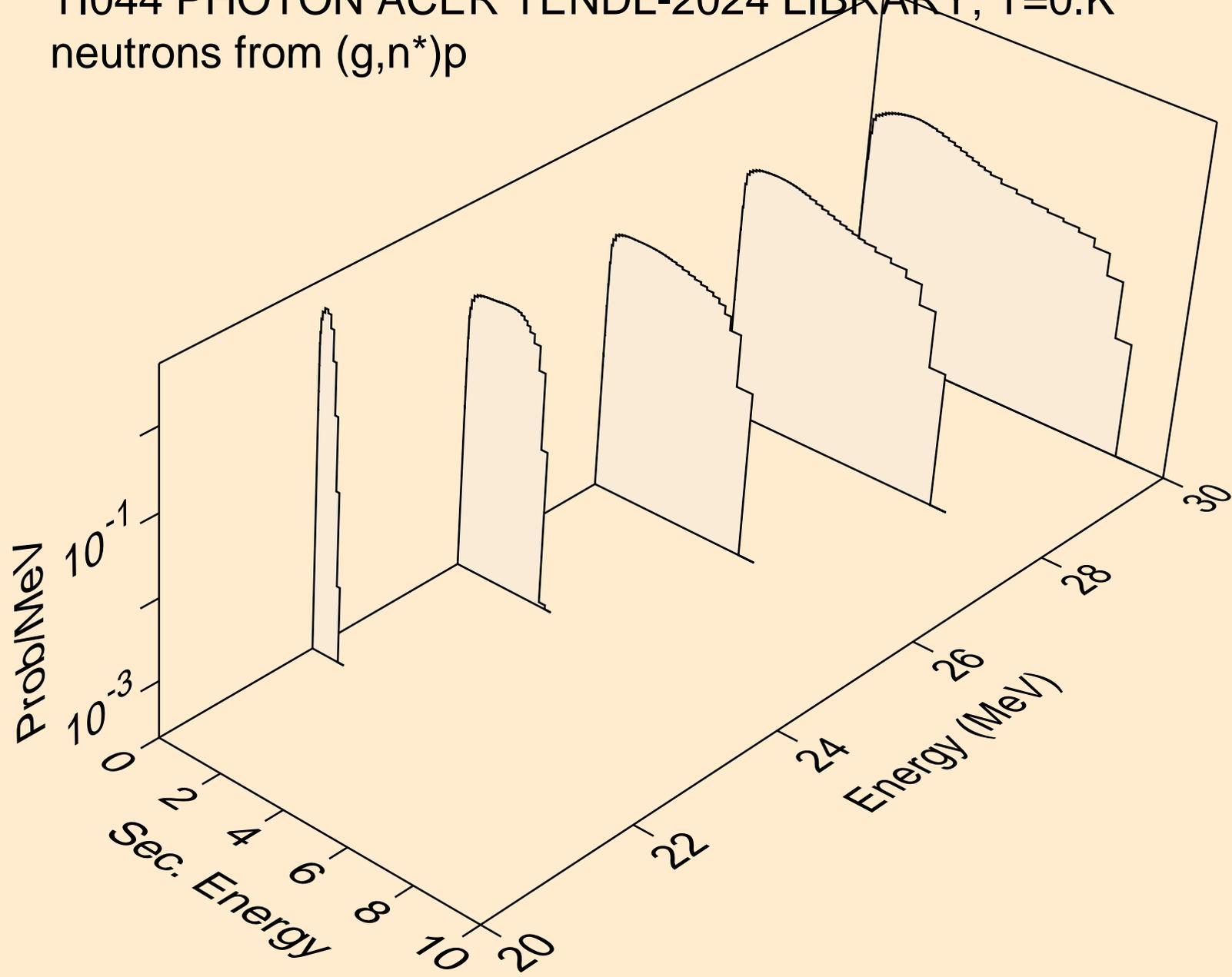
TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
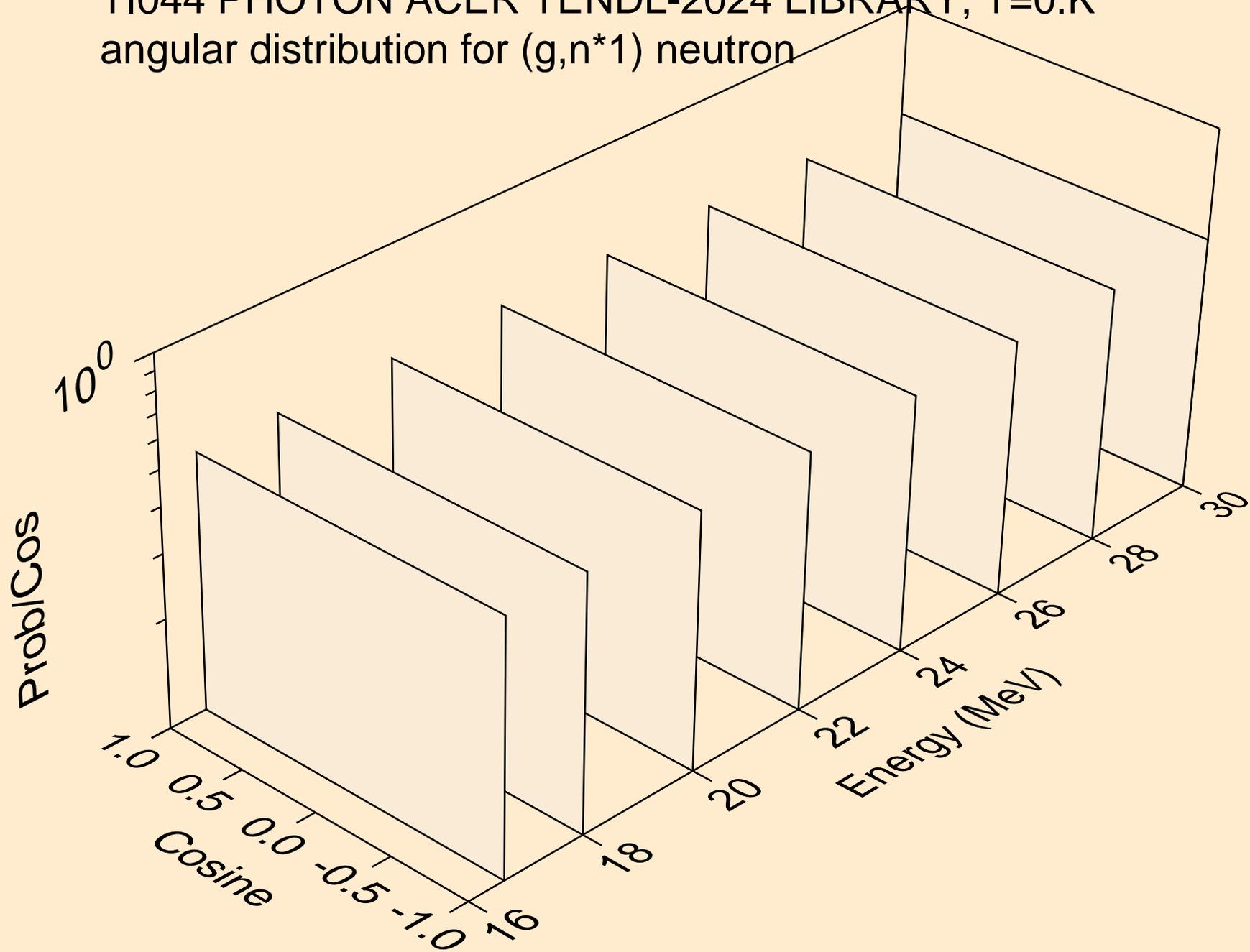neutrons from (g,n*)he3

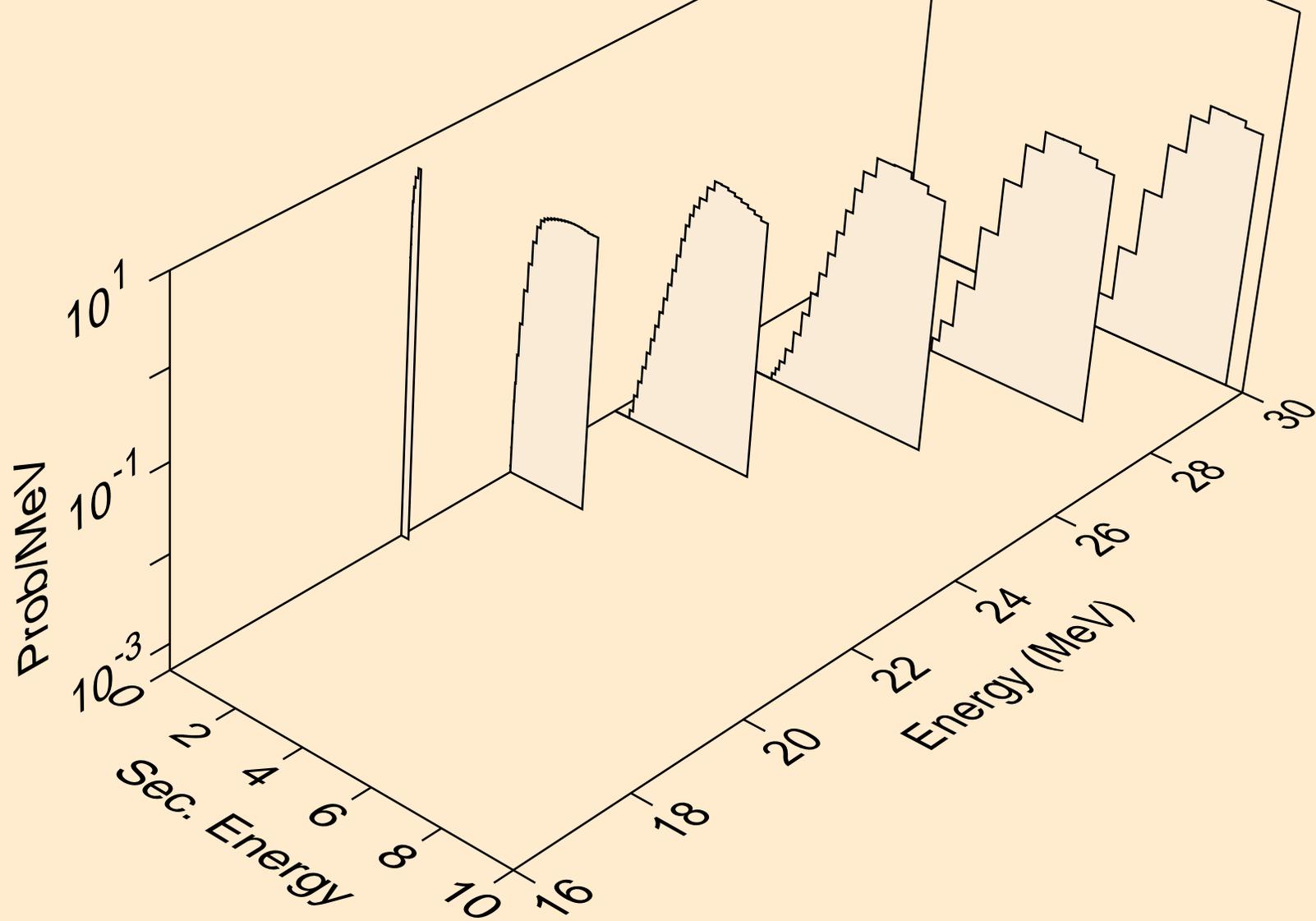TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n2p)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
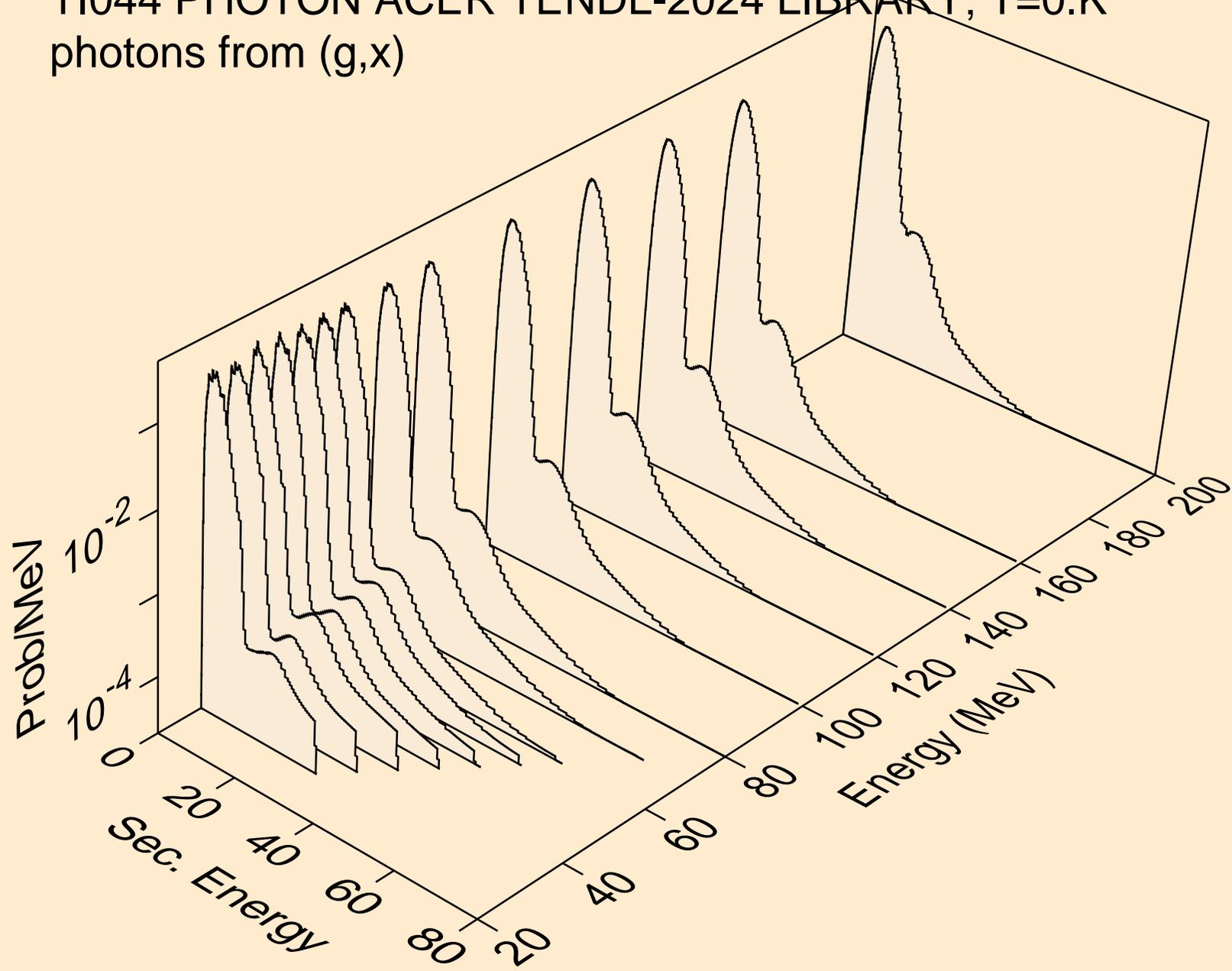angular distribution for (g,n*0) neutron

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
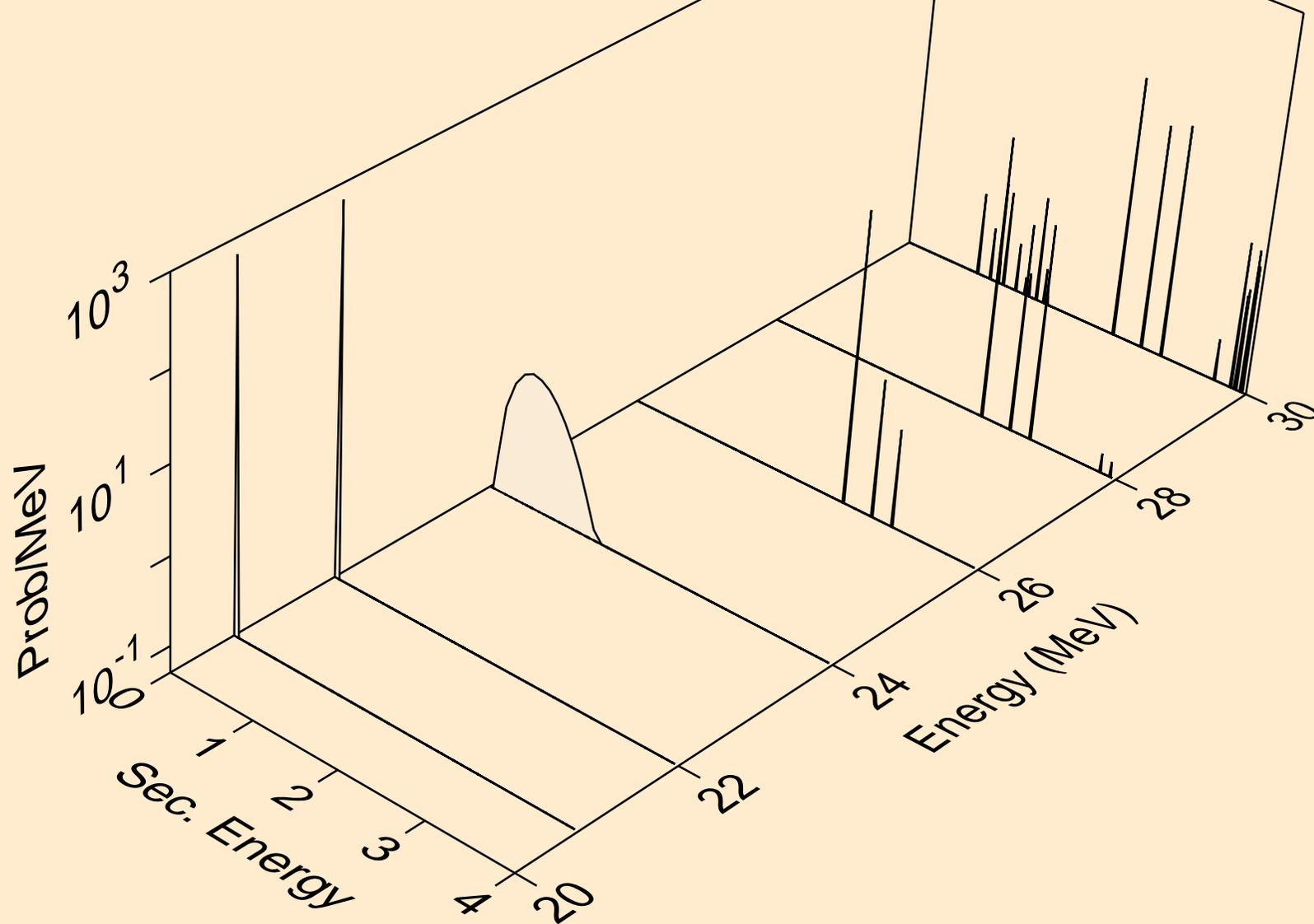angular distribution for (g,n*1) neutron

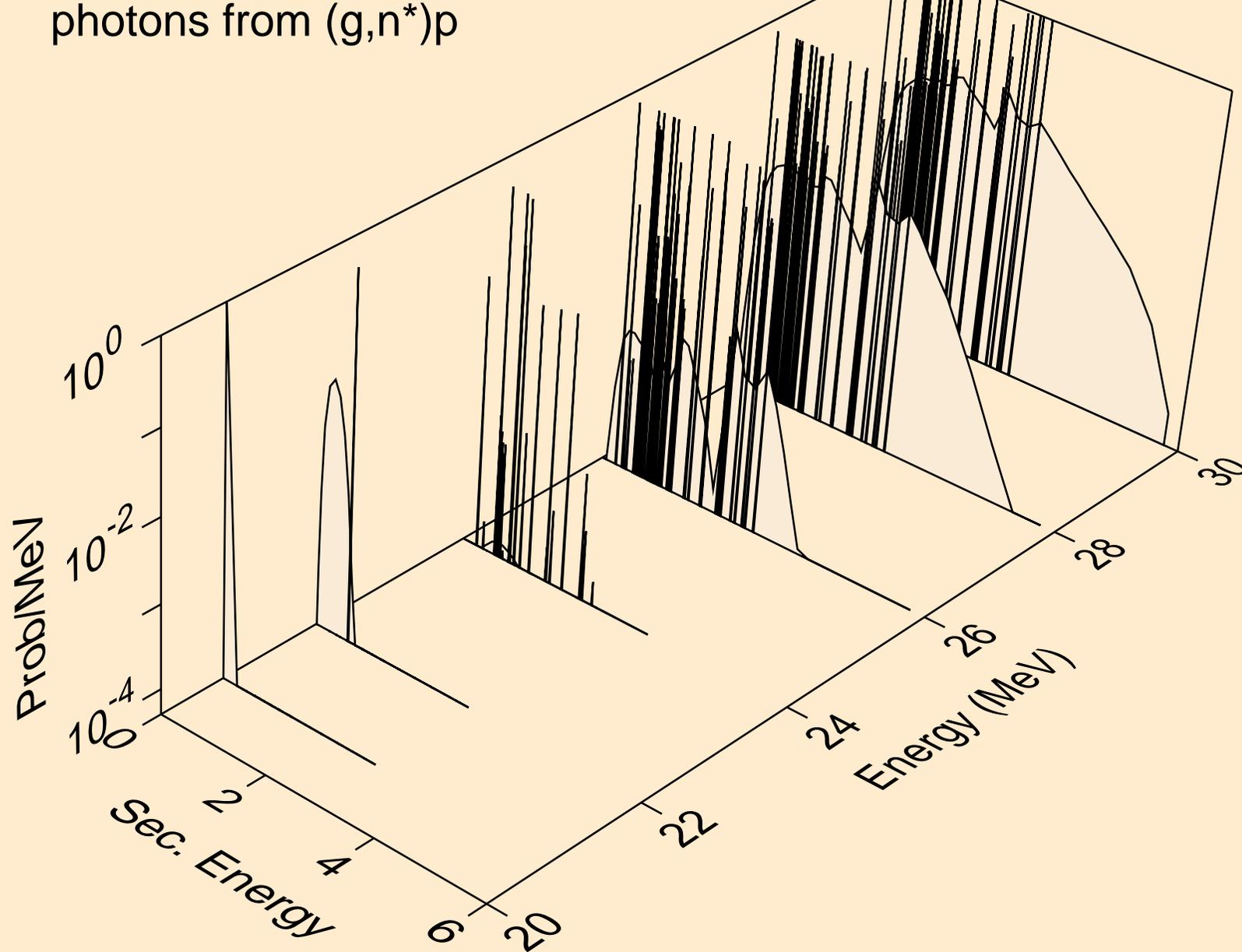TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*c)

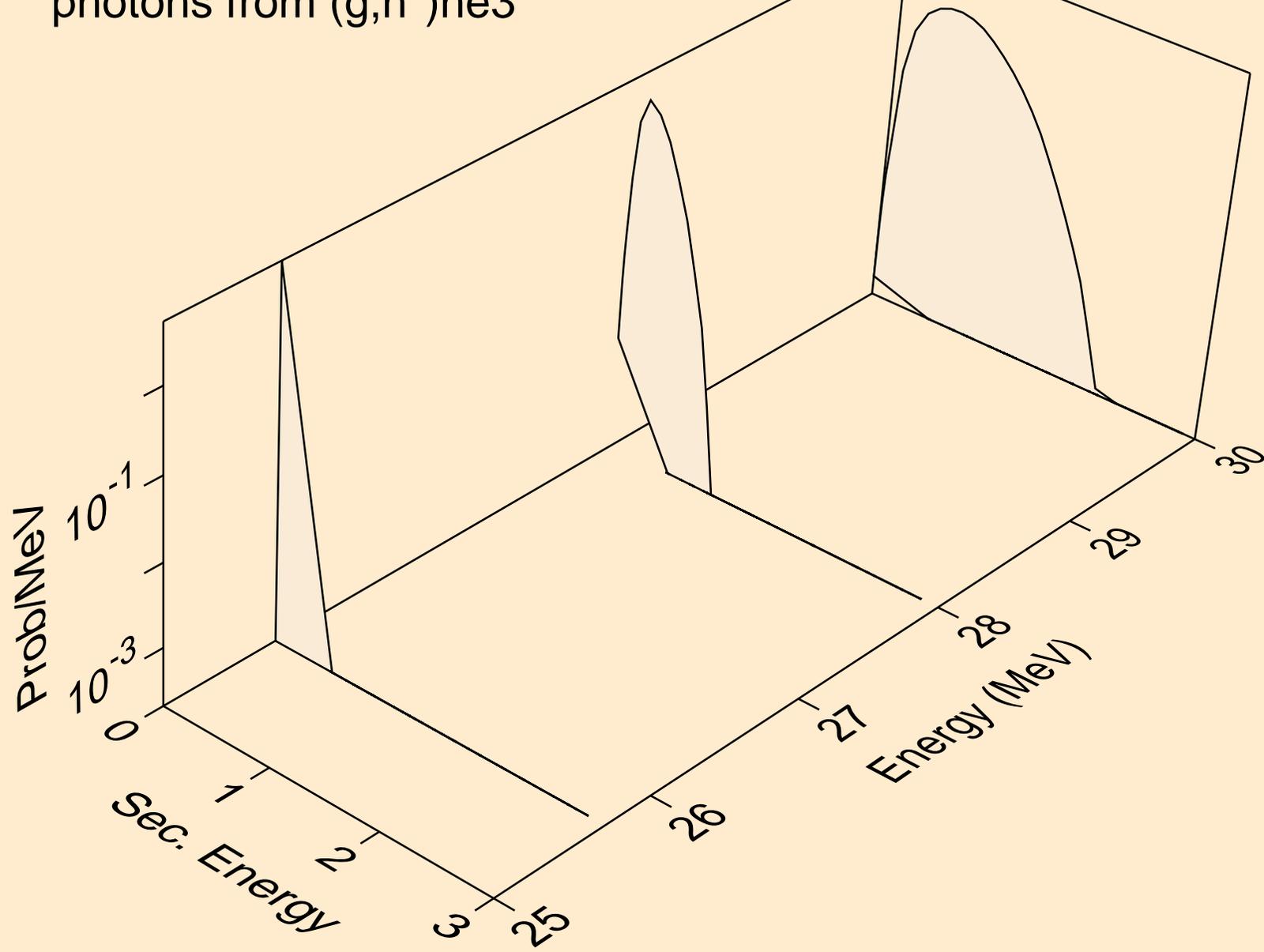TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,x)

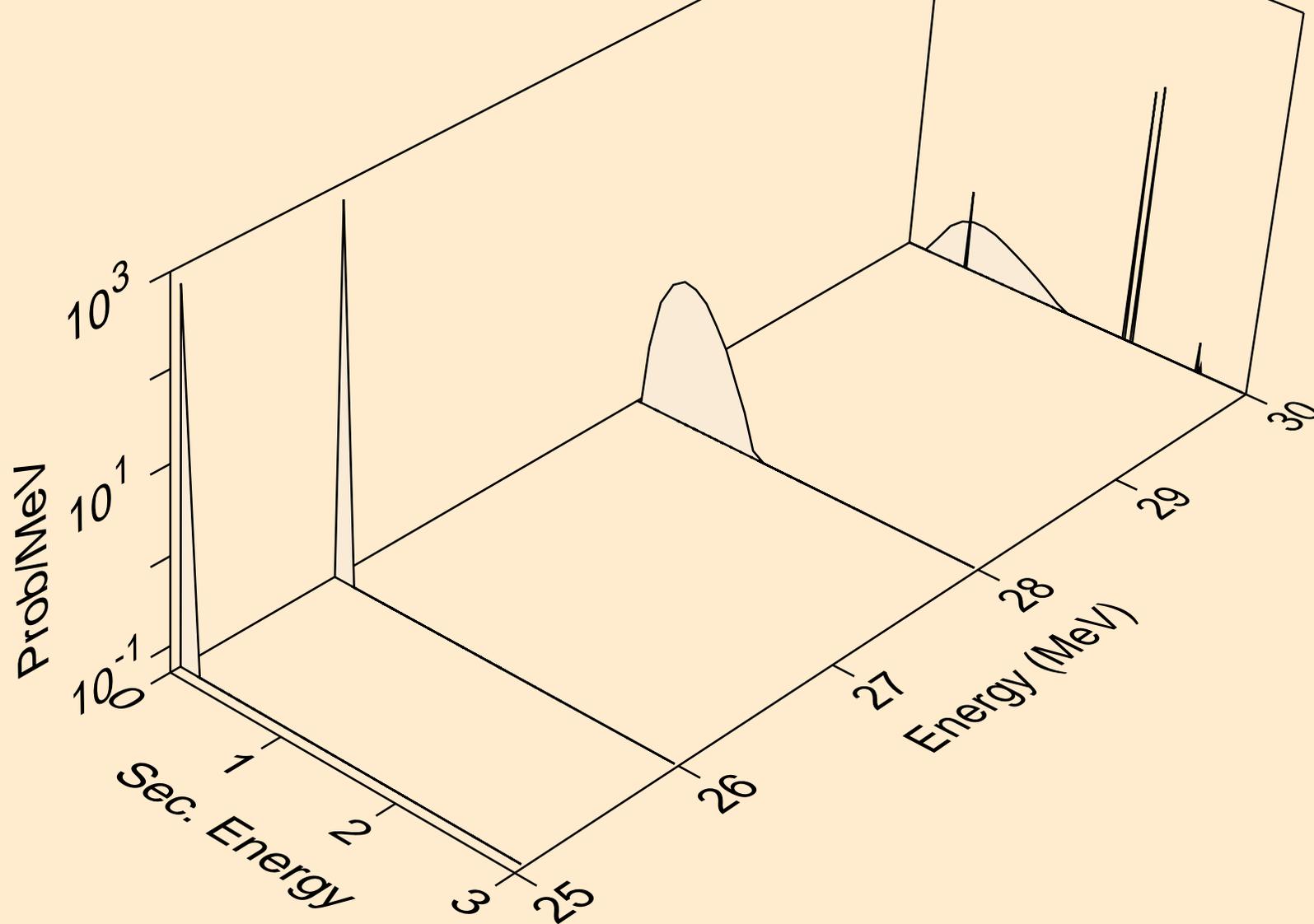TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)a

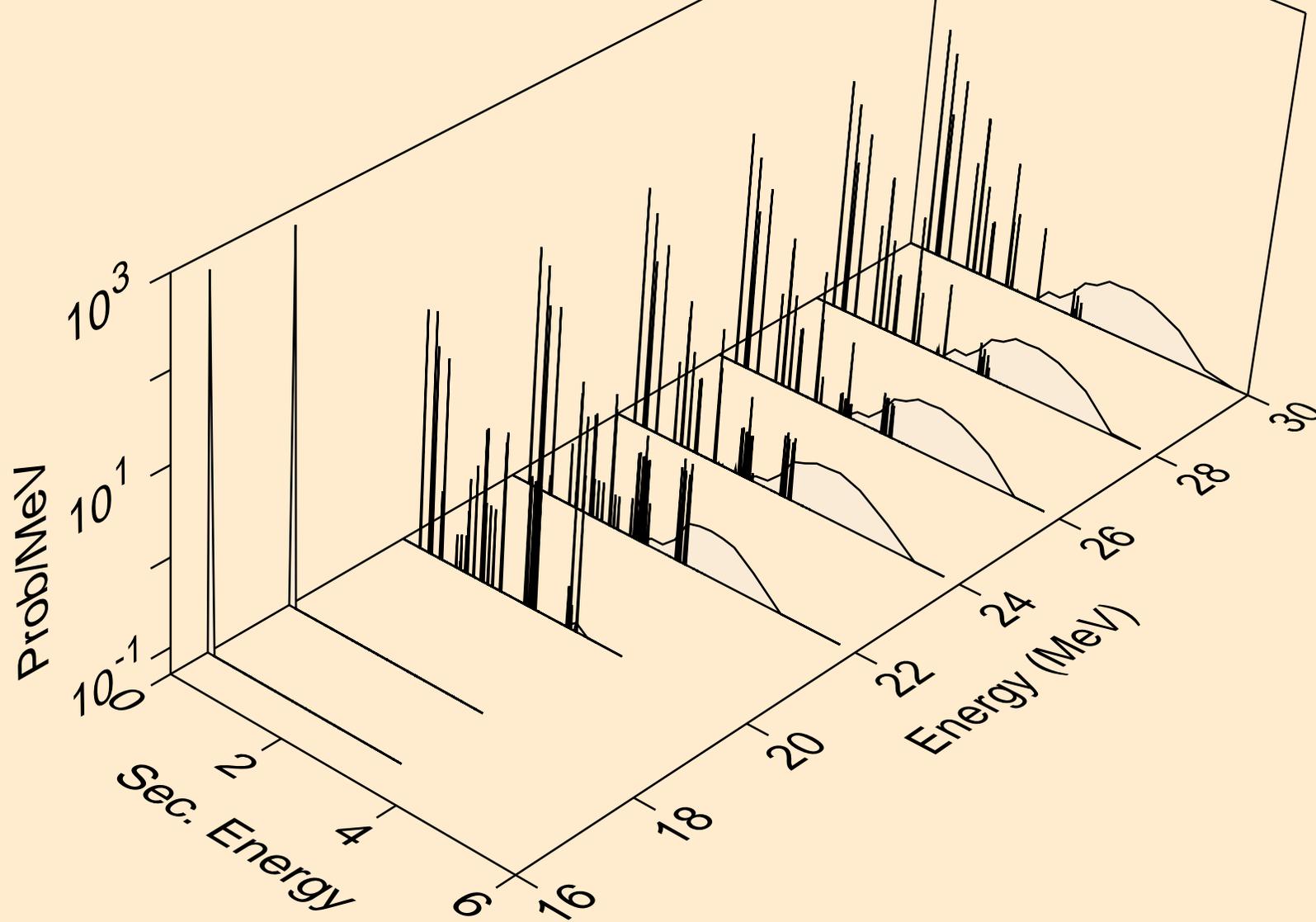TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)p

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
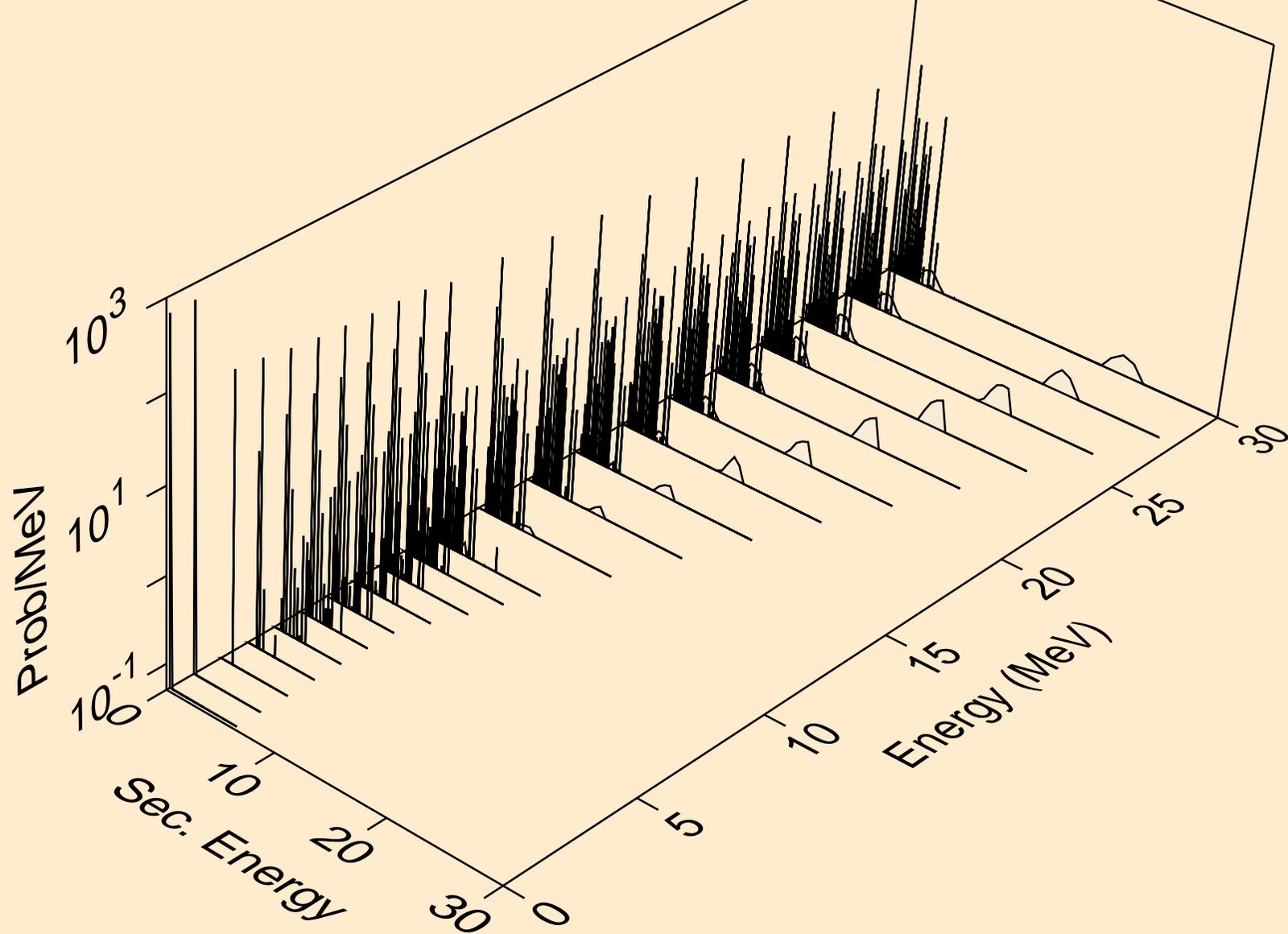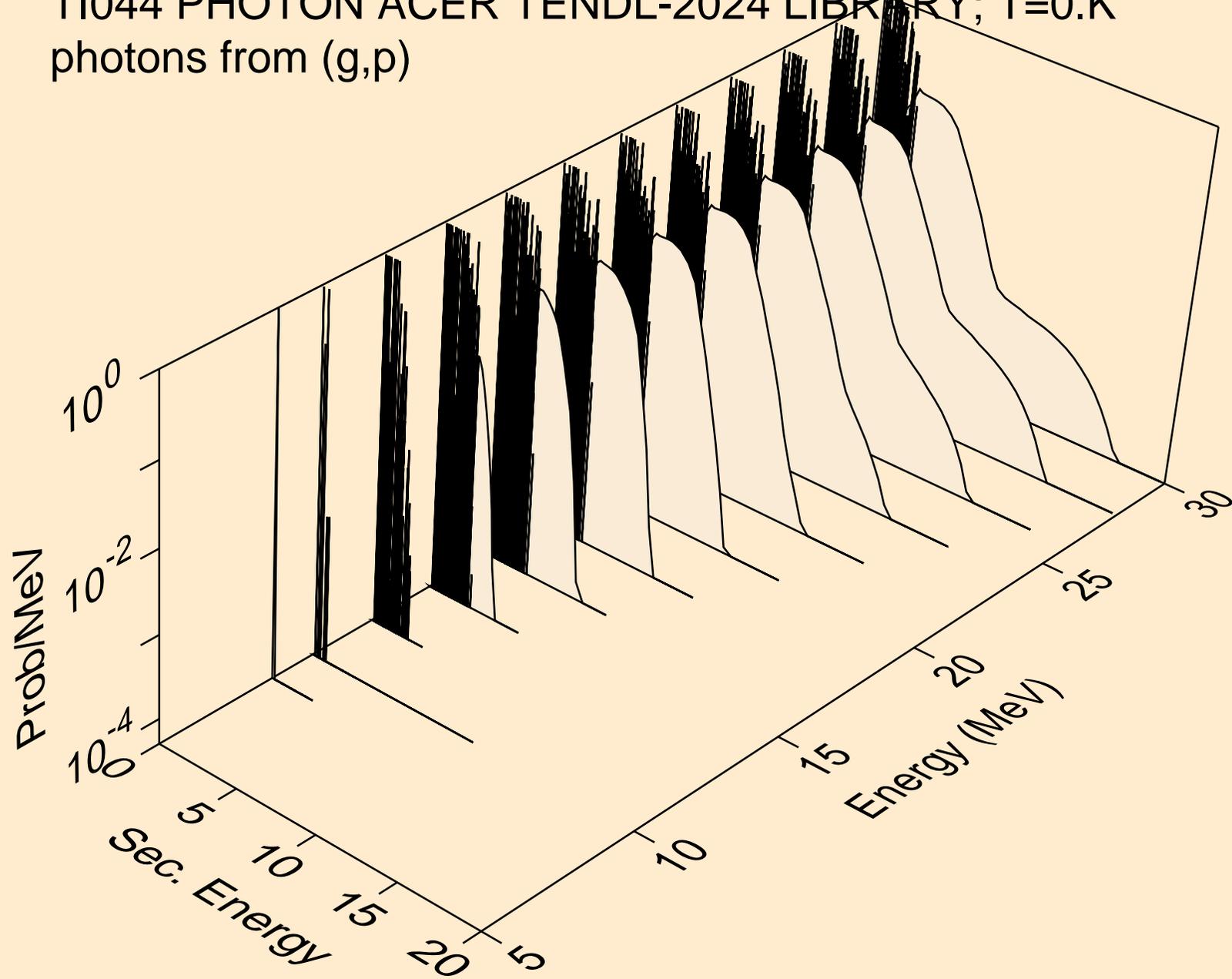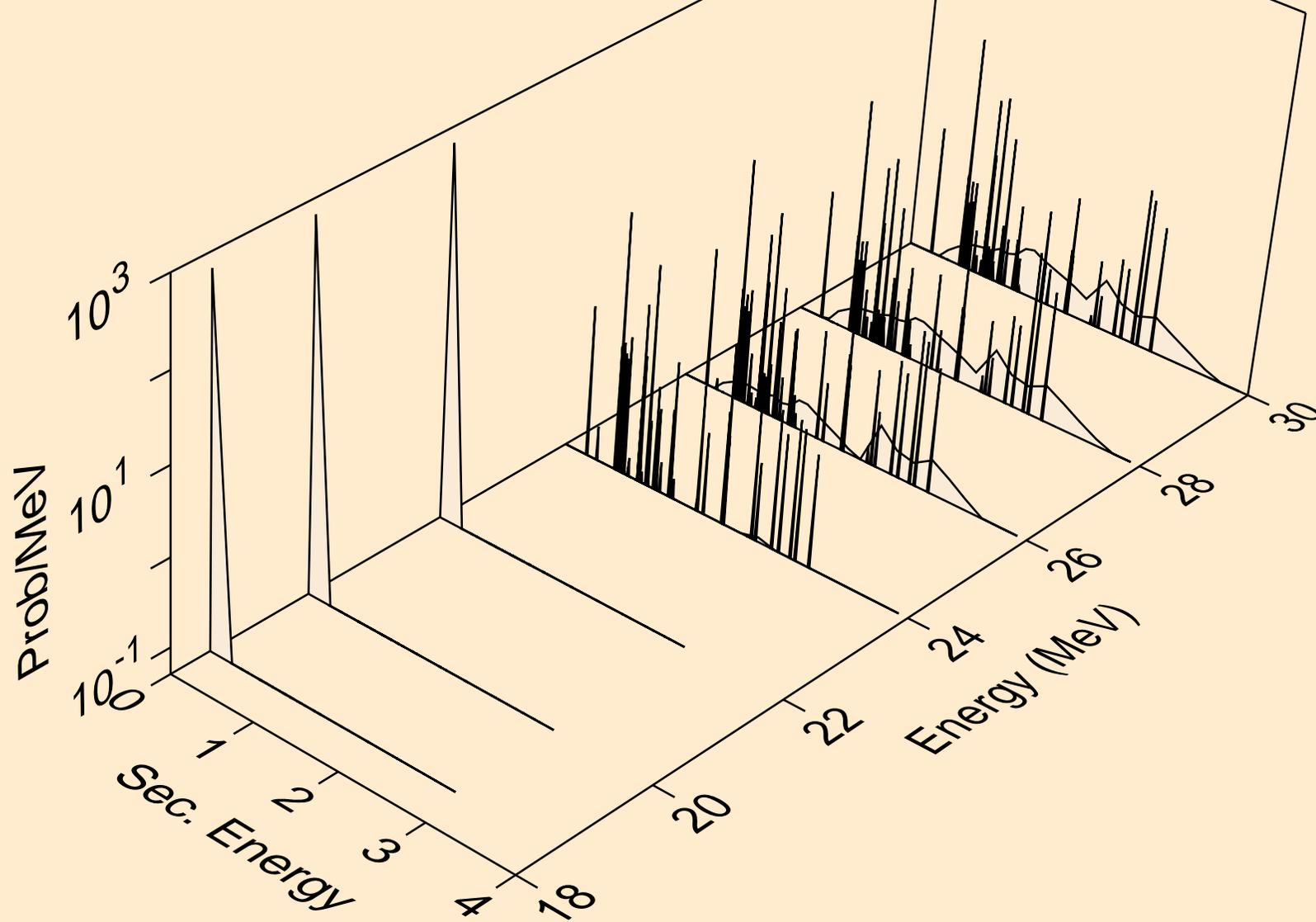photons from (g,n*)he3

ProblMeV

10^{-1}

10^{-3}

Sec. Energy

0
1
2
3

Energy (MeV)

25
26
27
28
29
30

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n2p)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*c)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
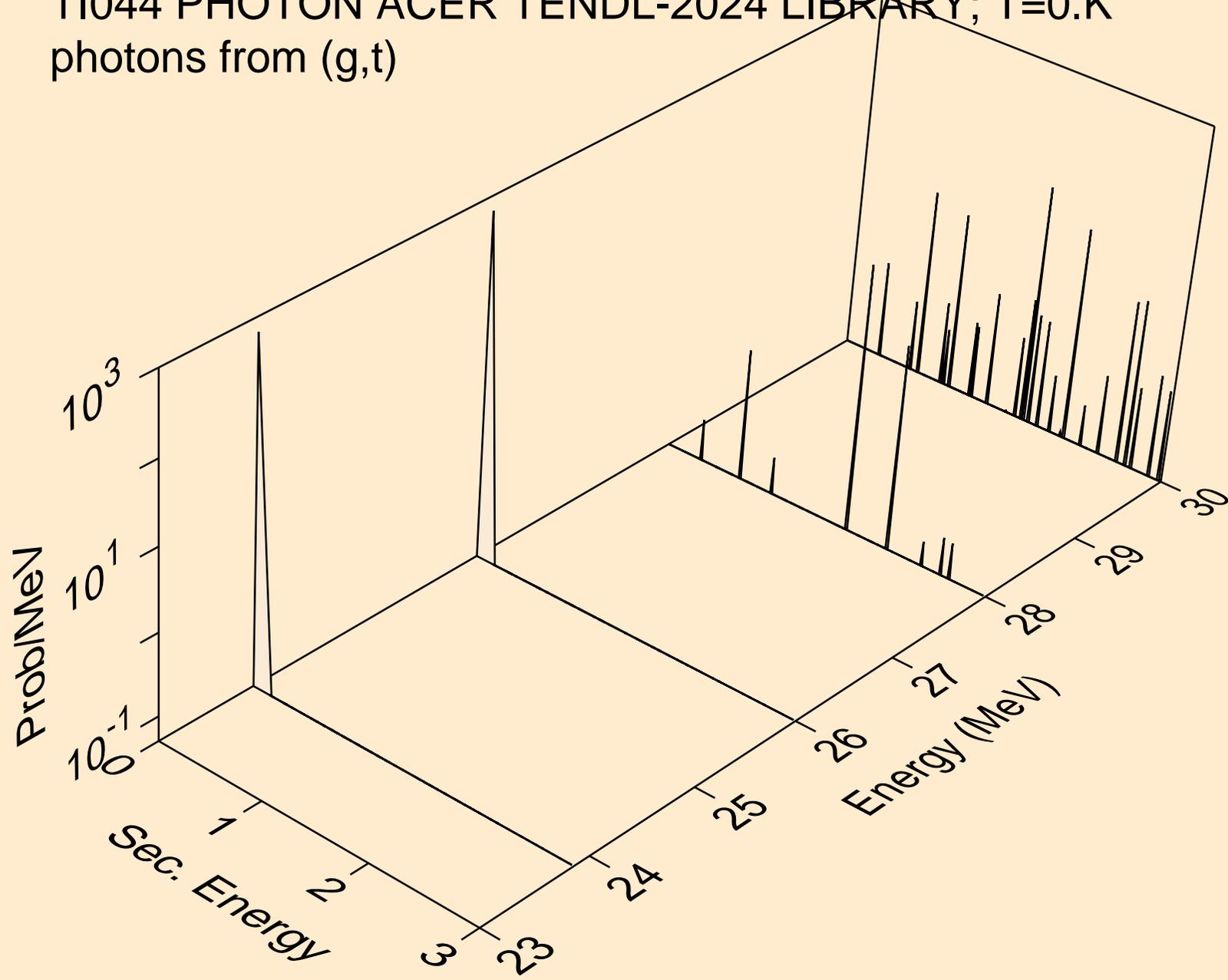photons from (g,gma)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
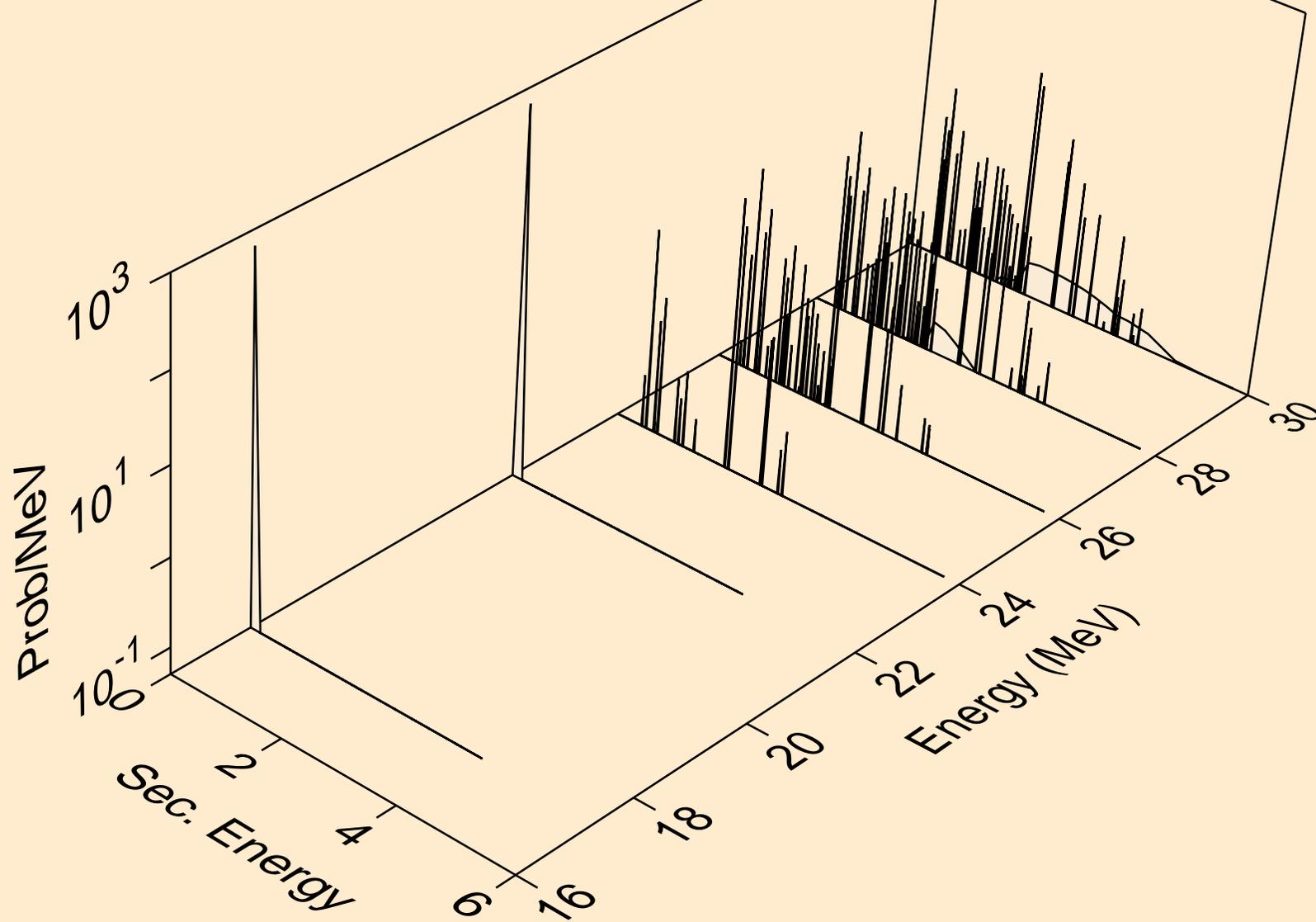photons from (g,p)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
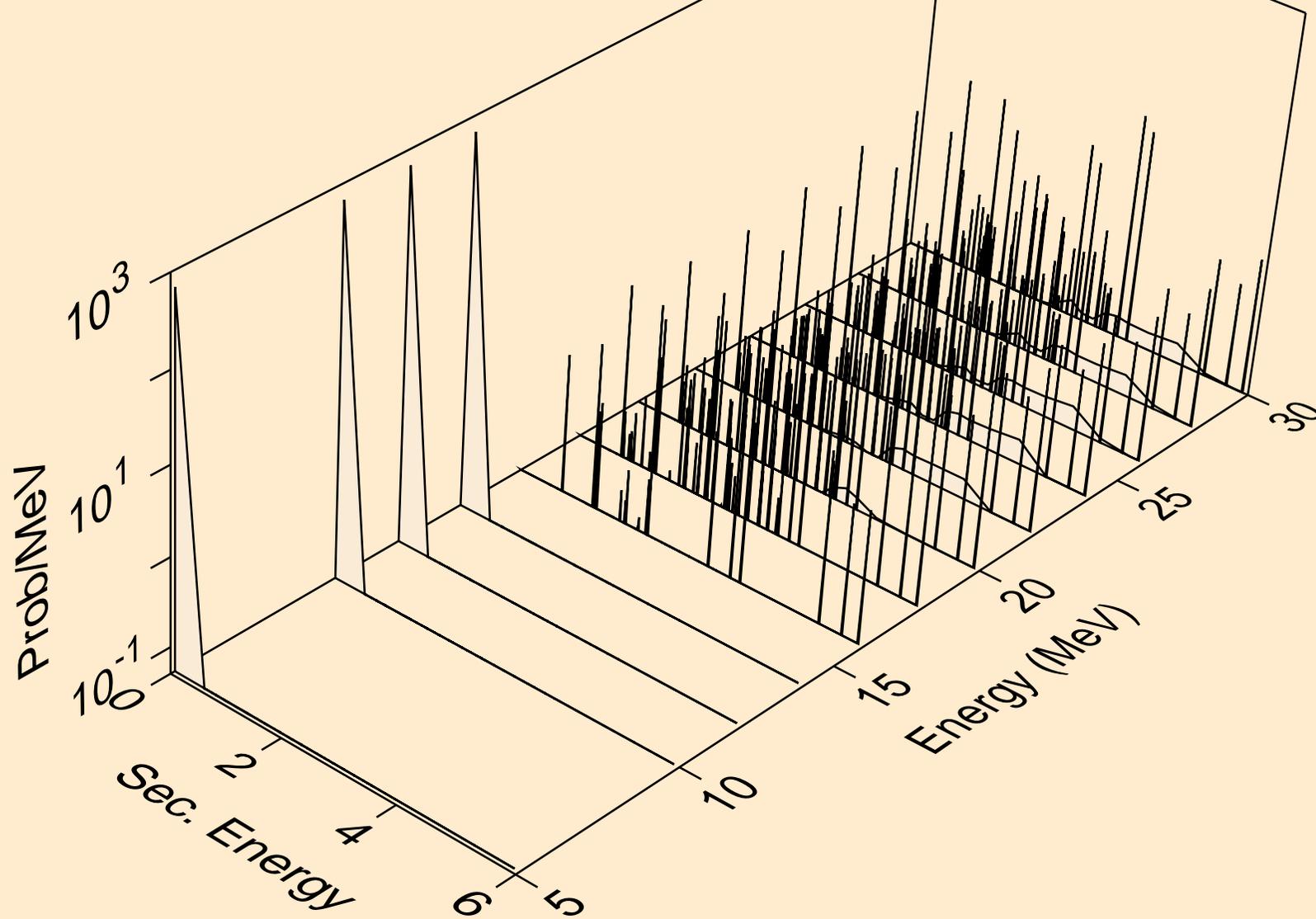photons from (g,d)

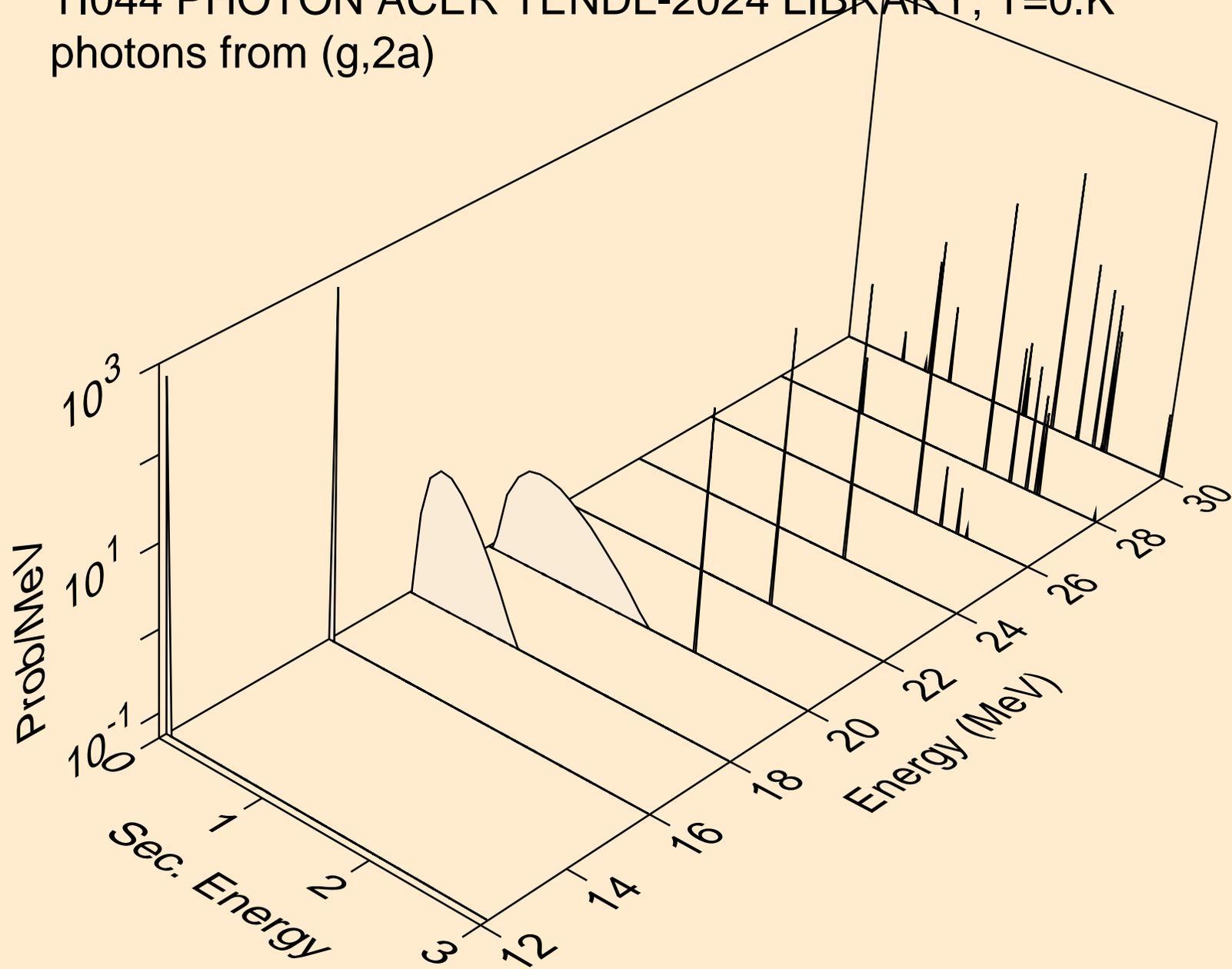TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,t)

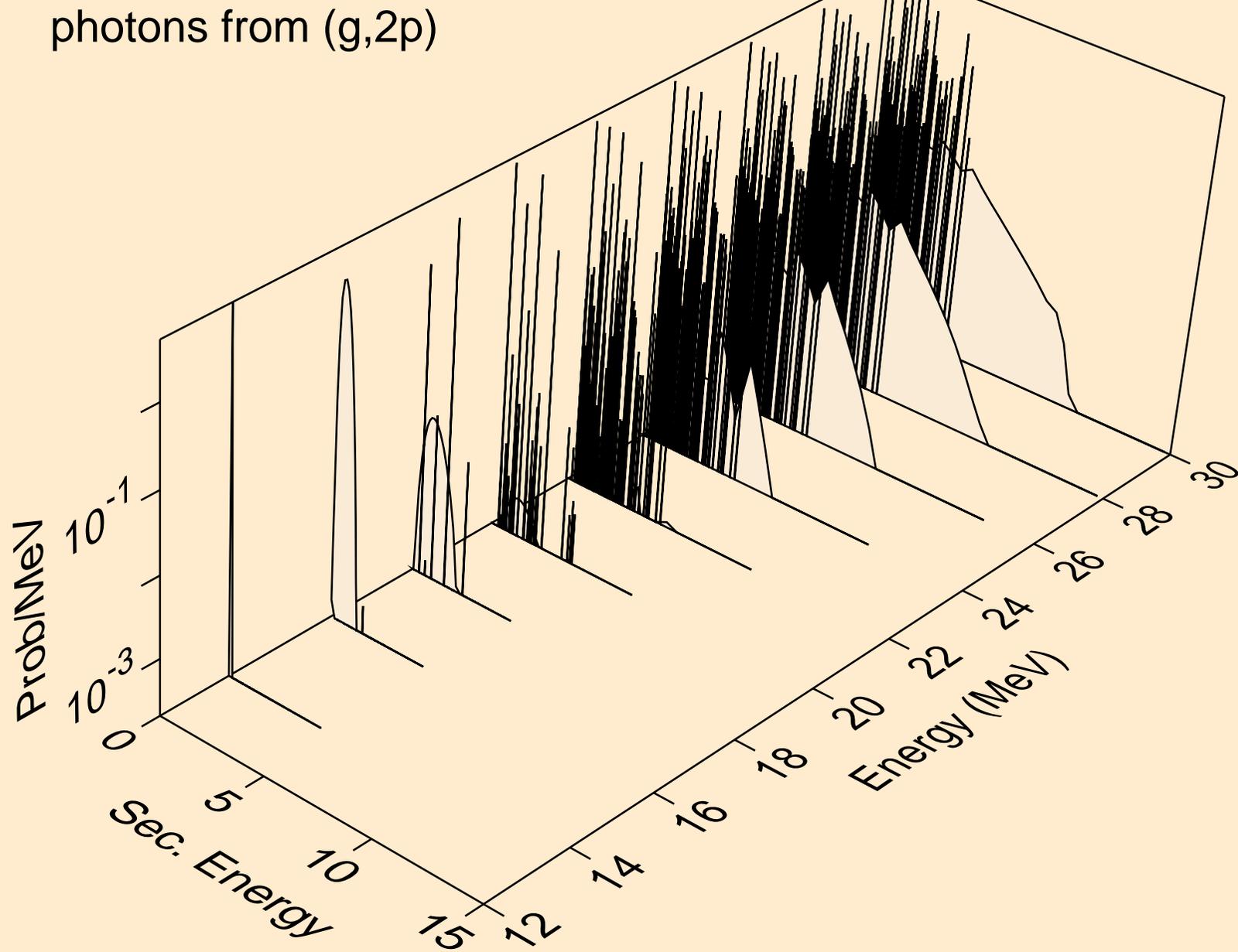TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,he3)

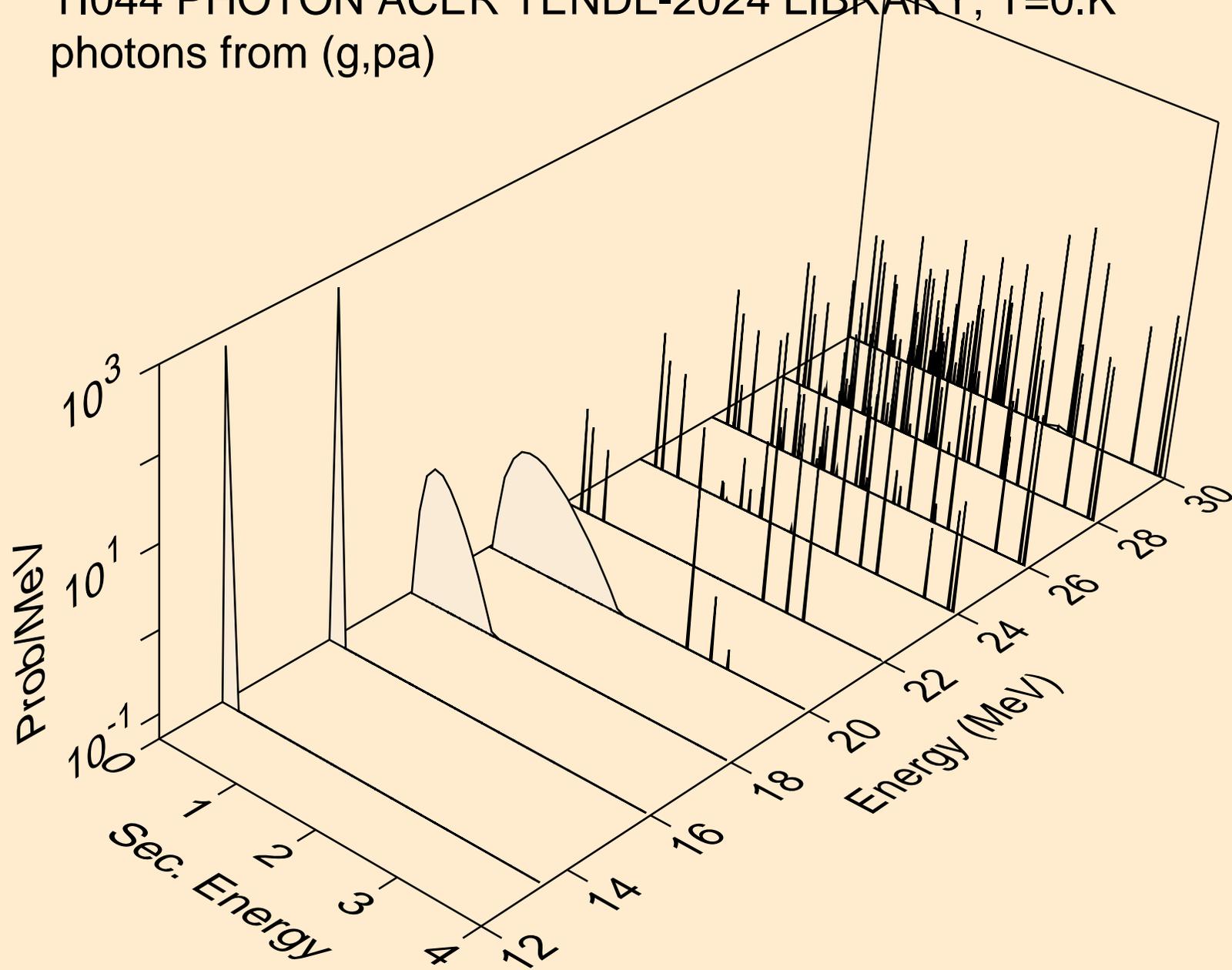TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,a)

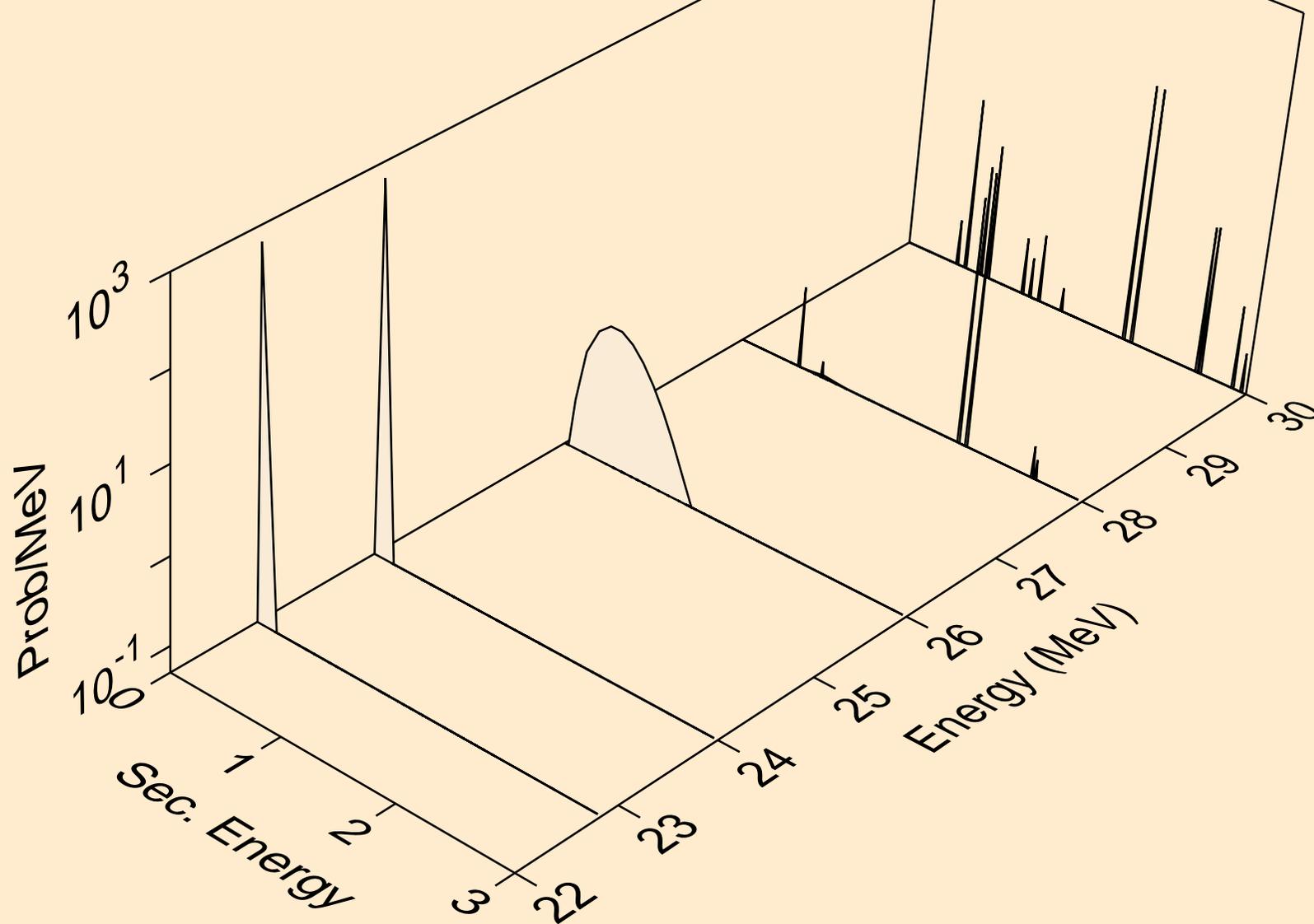TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2a)

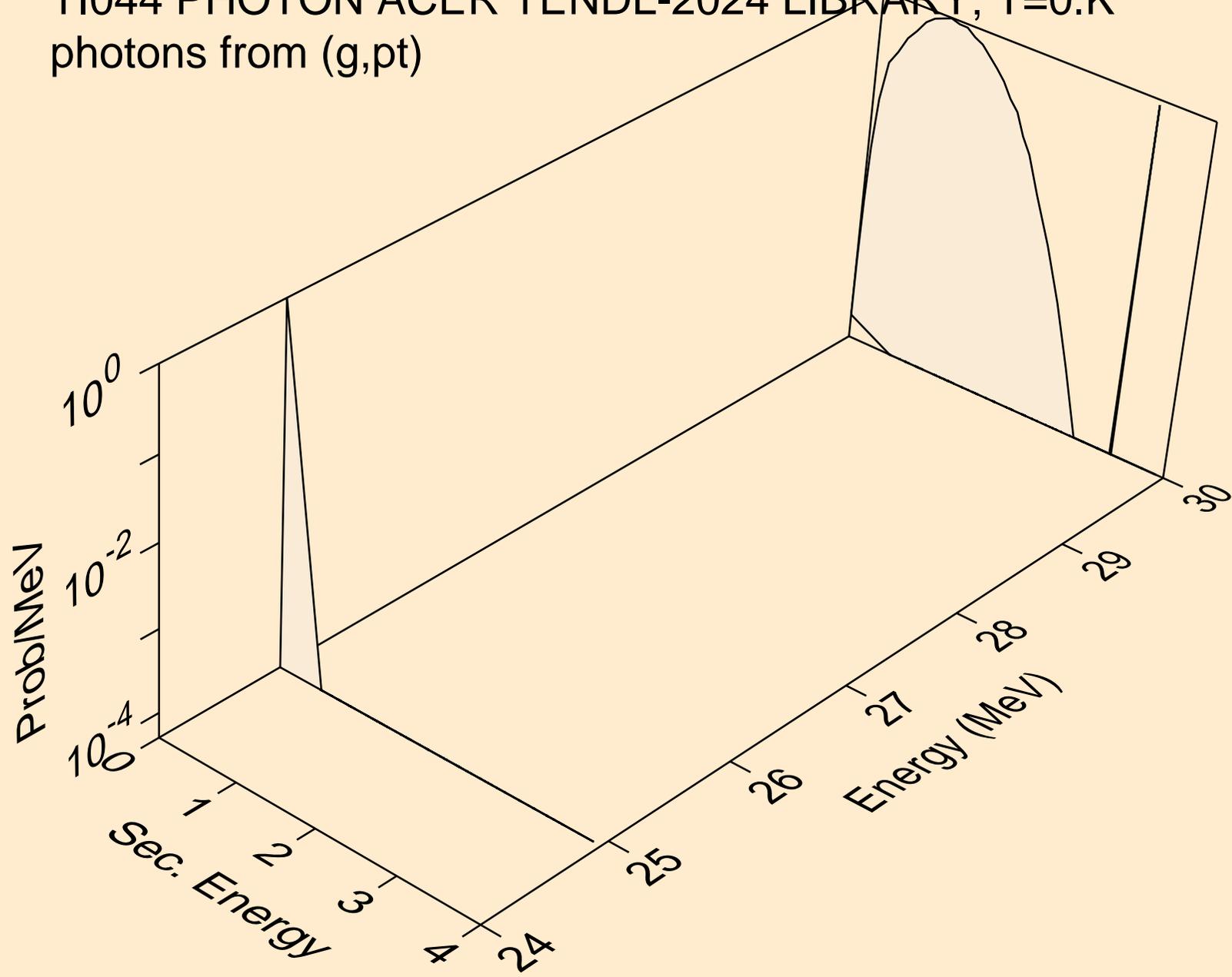TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2p)

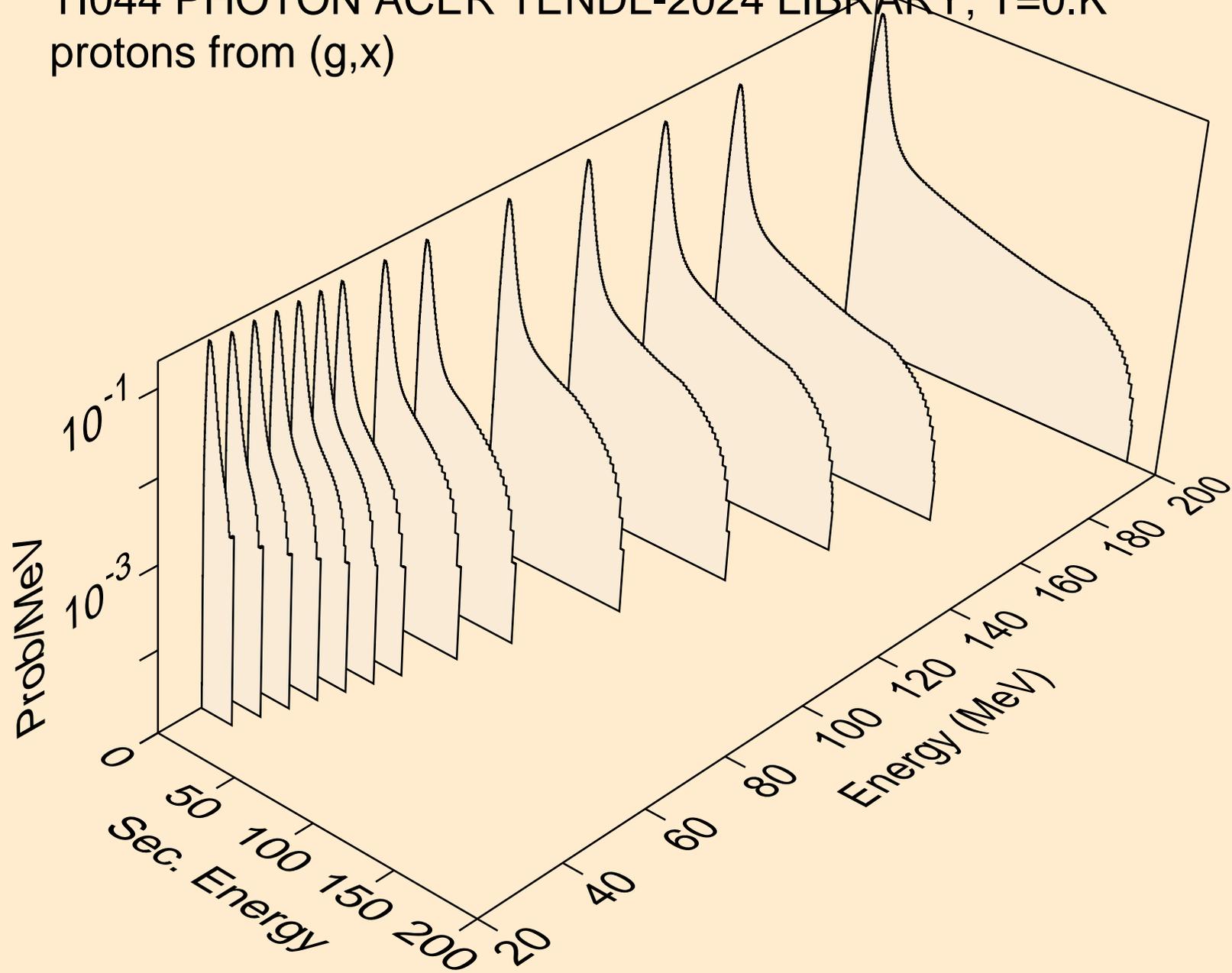TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,pa)

Prob/MeV

10^3

10^1

10^{-1}

10^0

Sec. Energy

1
2
3
4

12
14
16
18
20
22
24
26
28
30

Energy (MeV)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
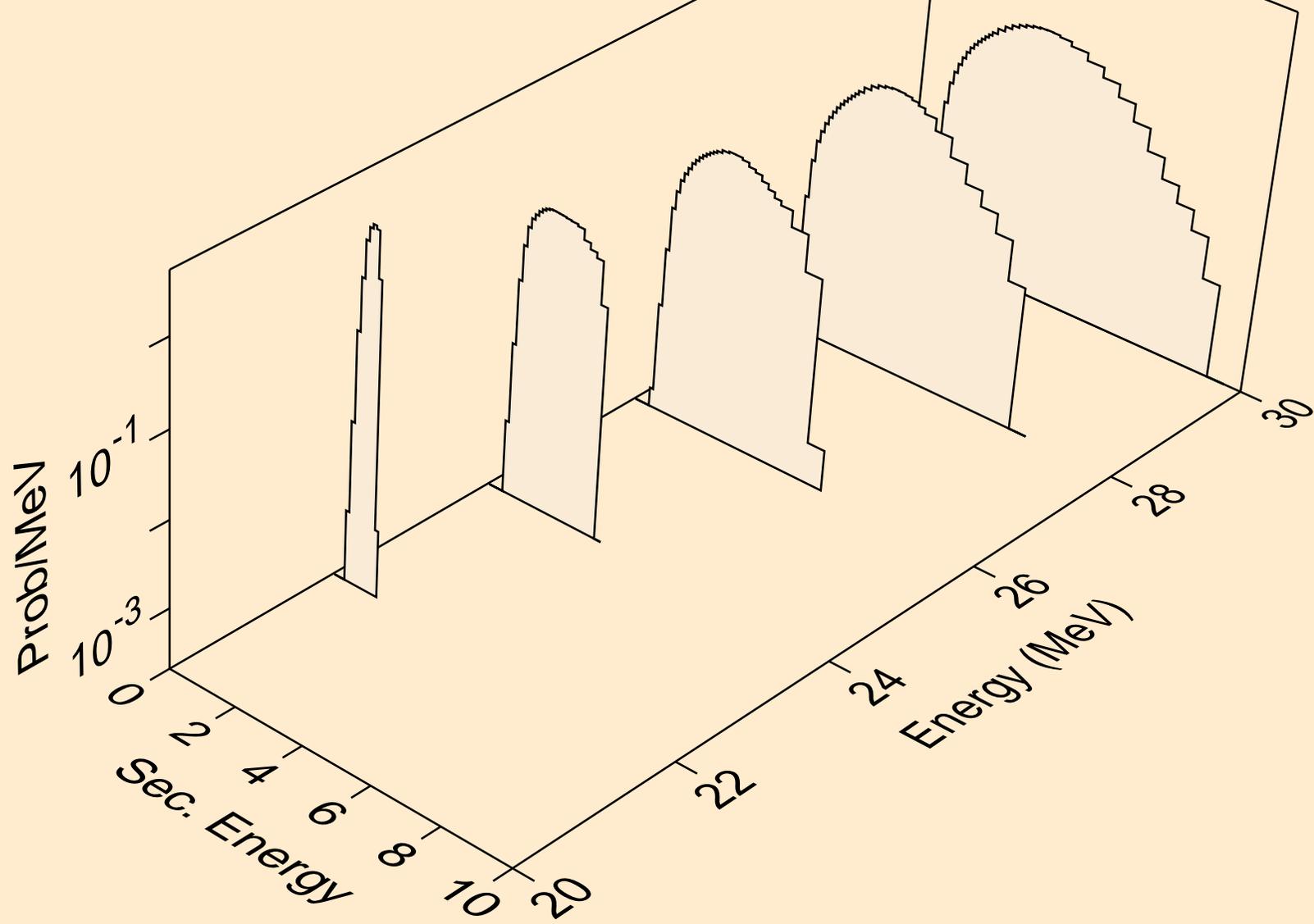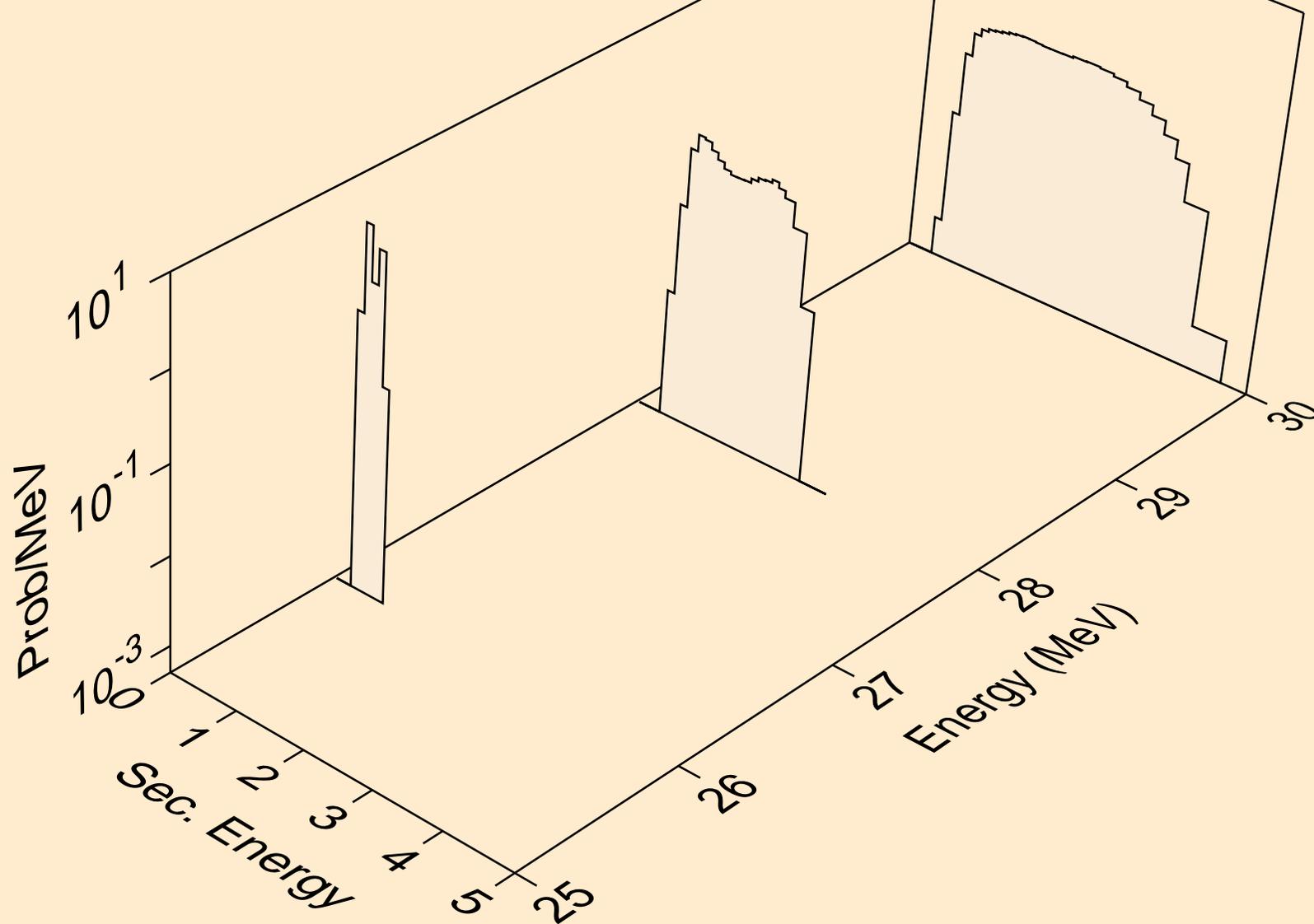photons from (g,pd)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,pt)

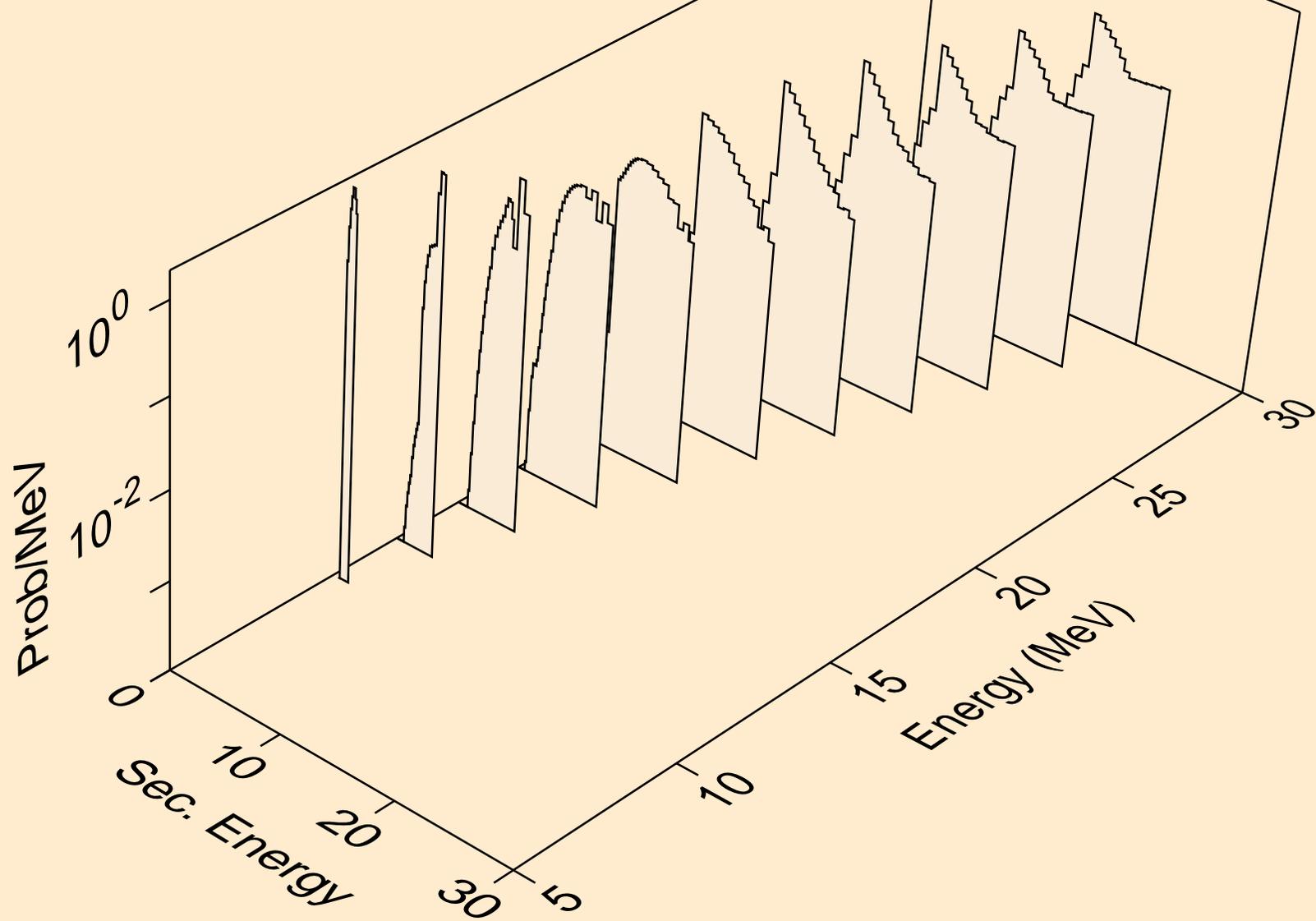TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,x)

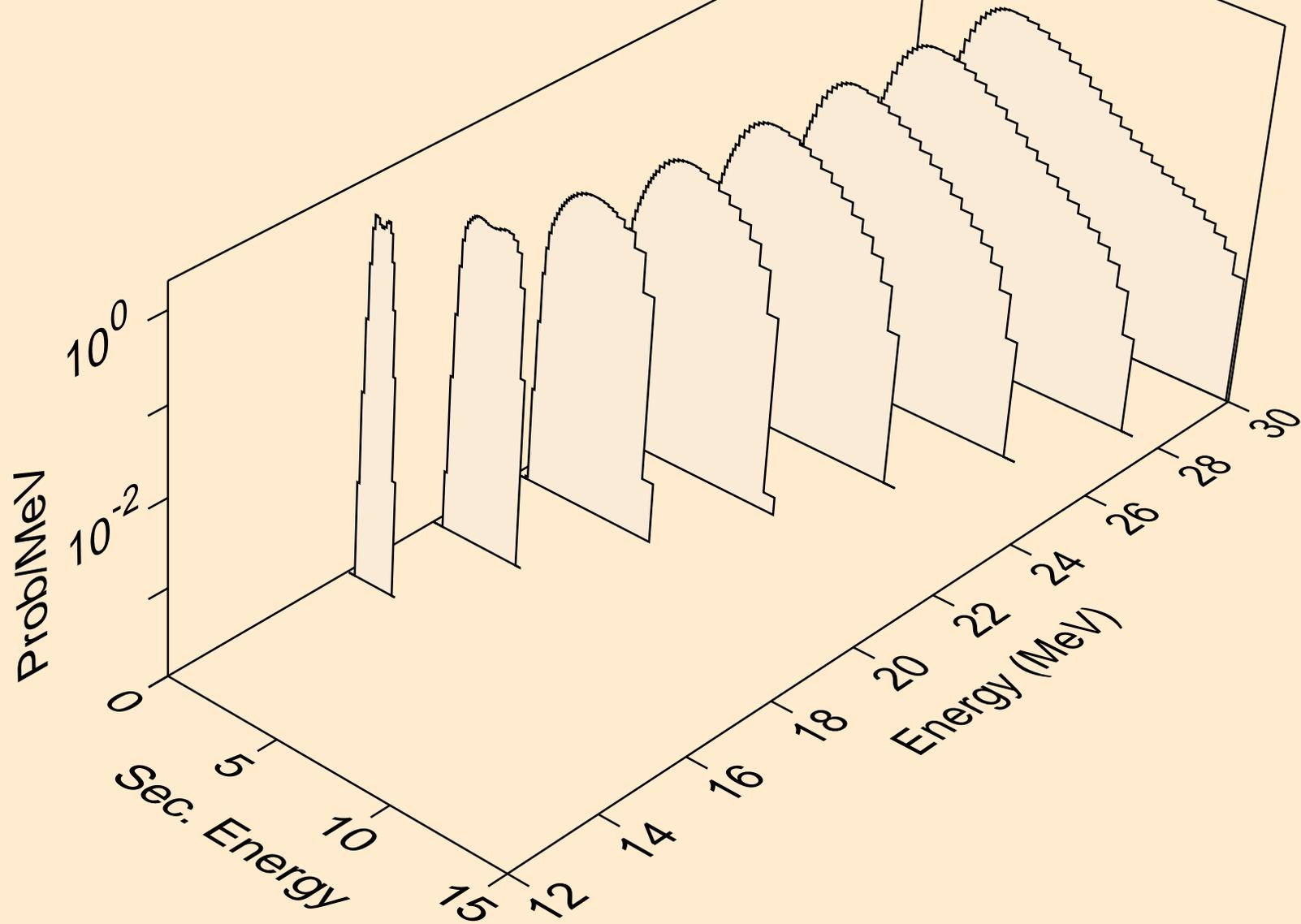TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,n*)p

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy

2 4 6 8 10

Energy (MeV)

20 22 24 26 28 30

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
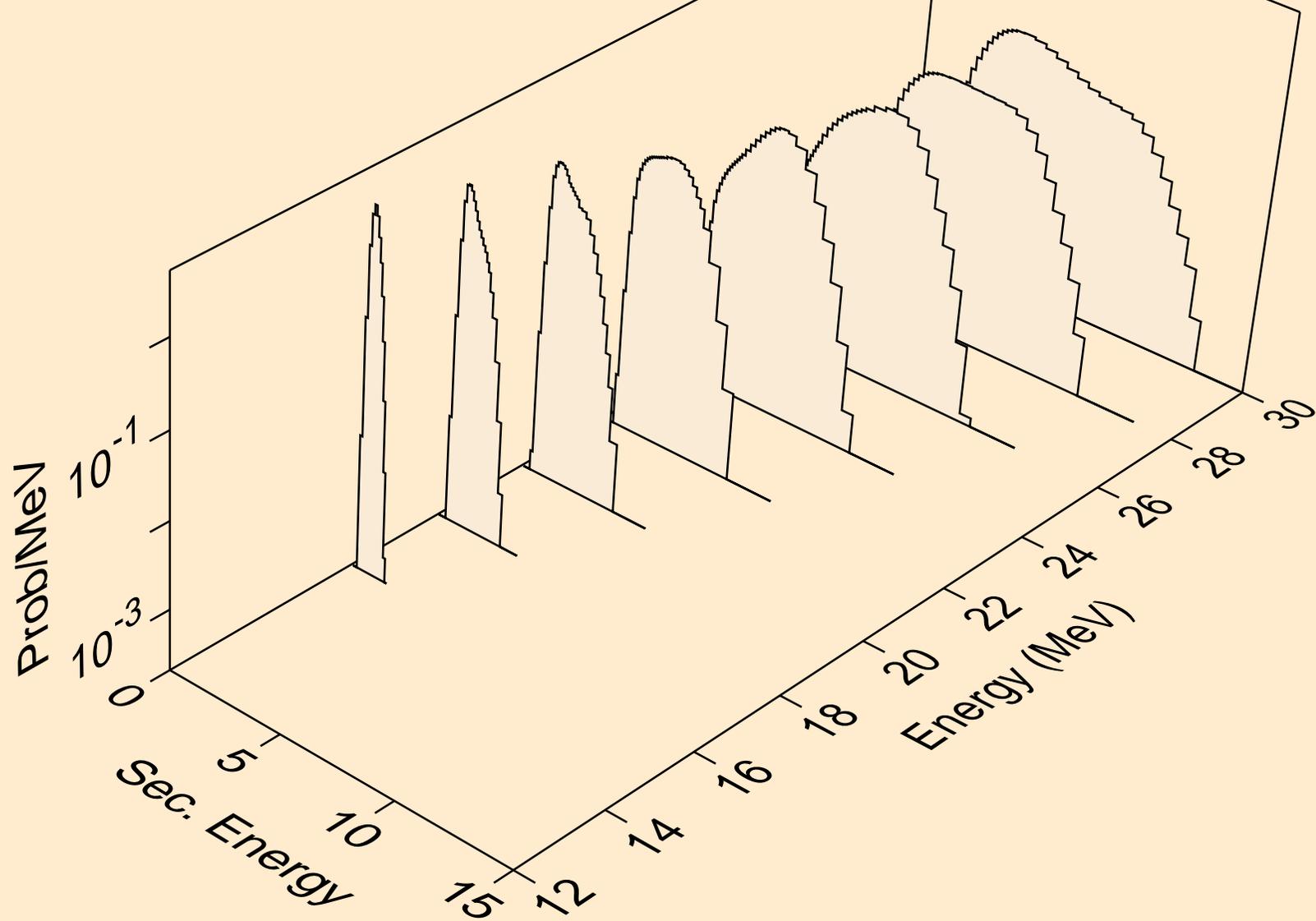protons from (g,n2p)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
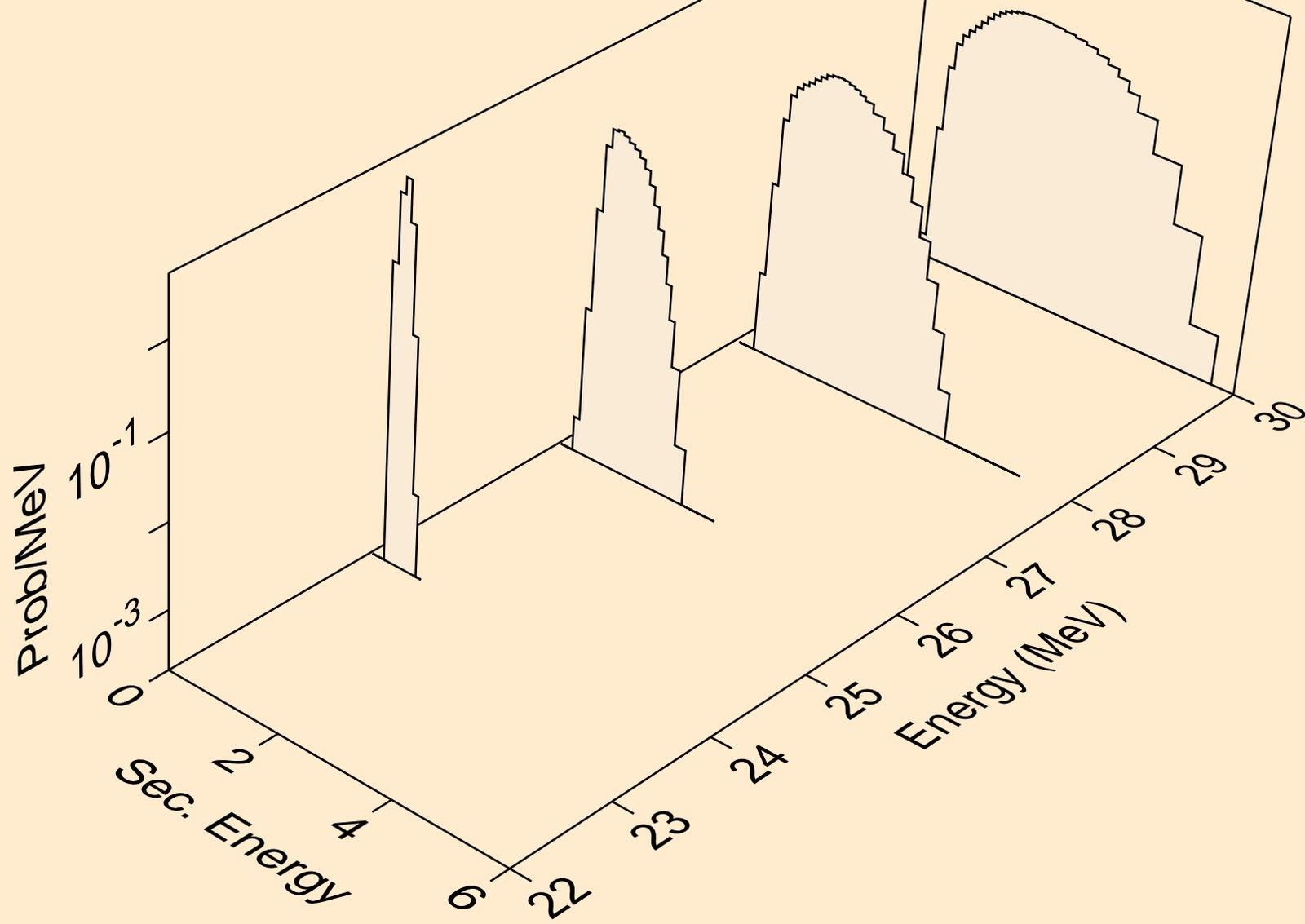protons from (g,p)

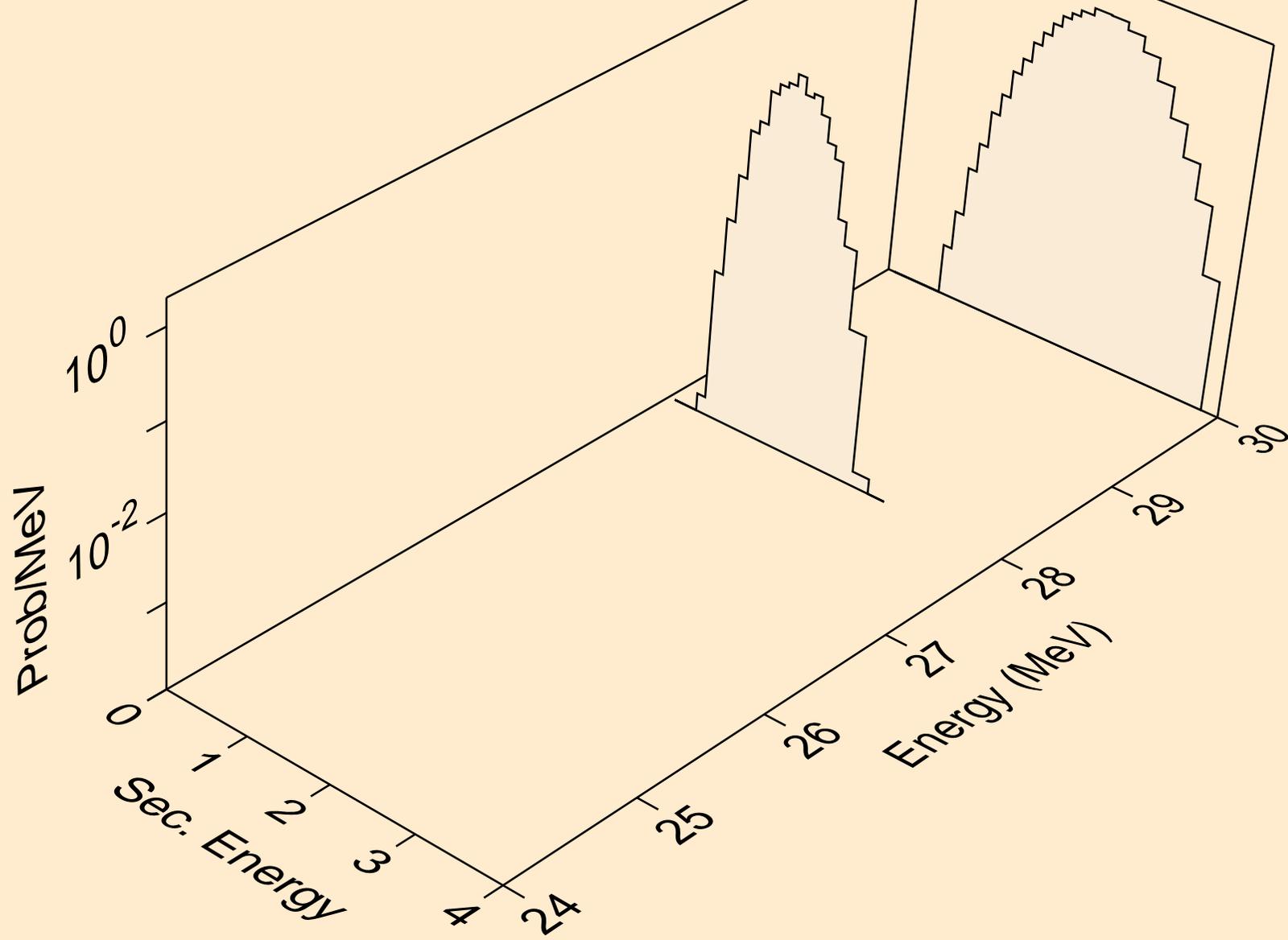TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,2p)

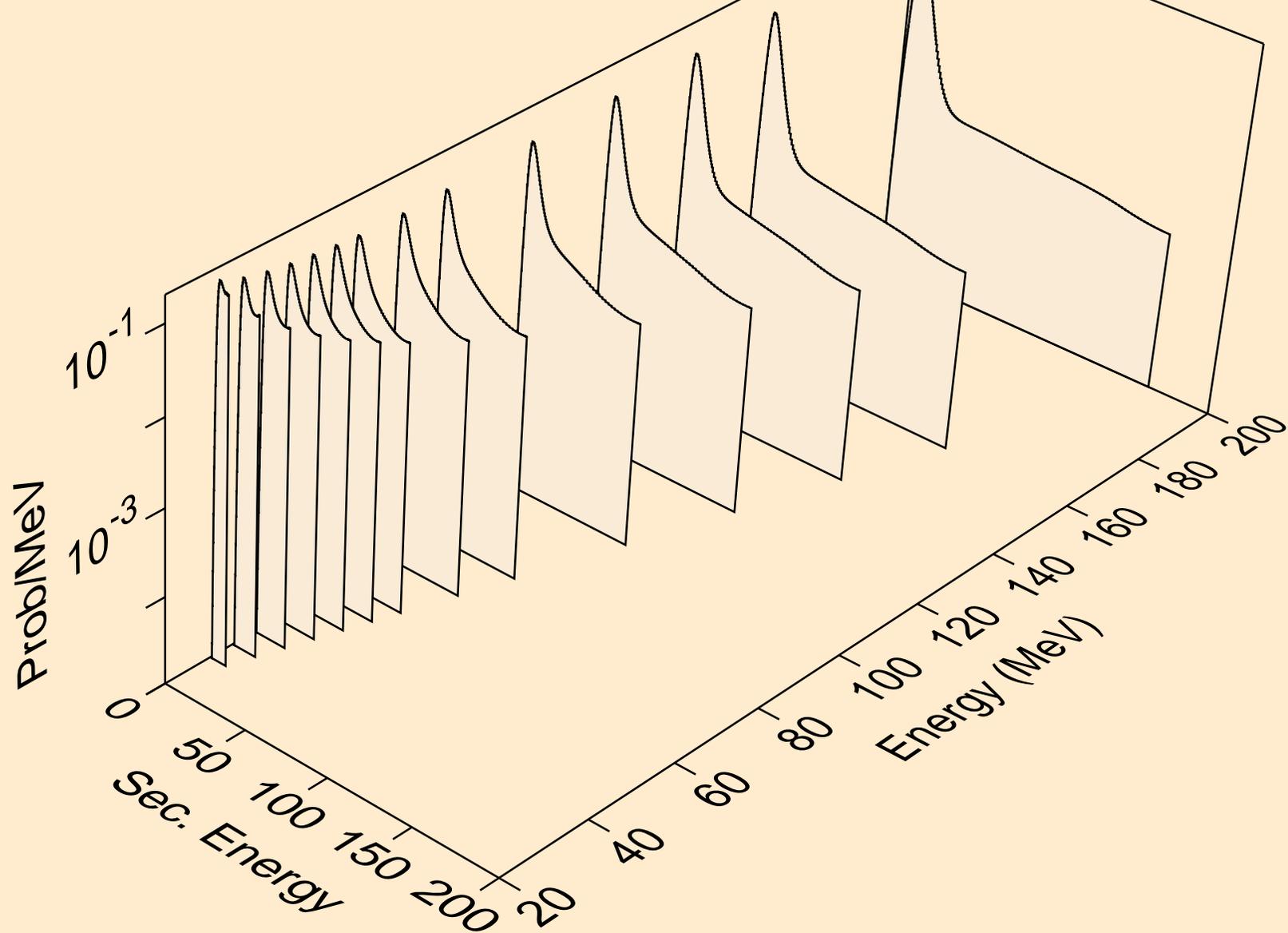TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,pa)

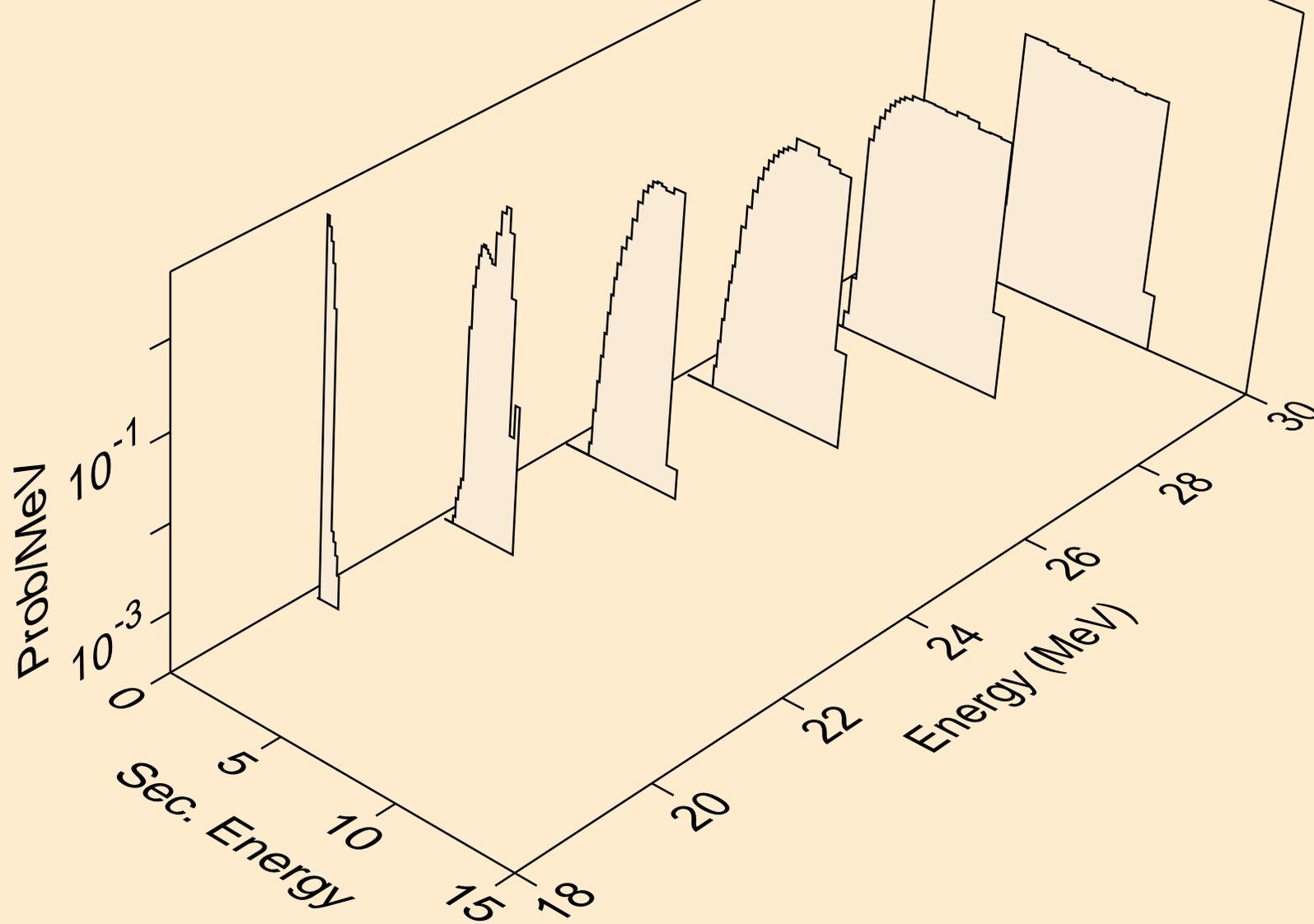TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,pd)

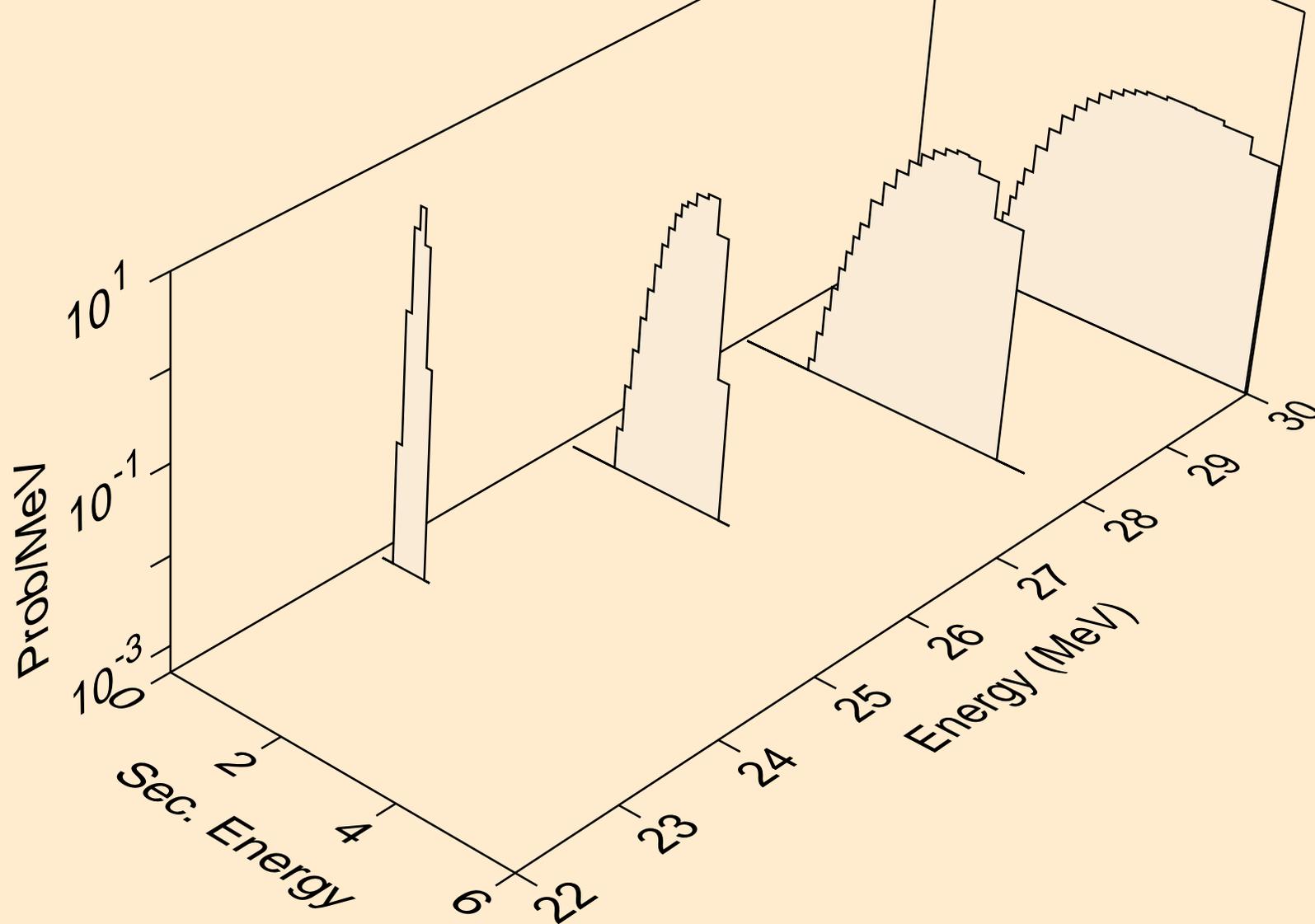TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,pt)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
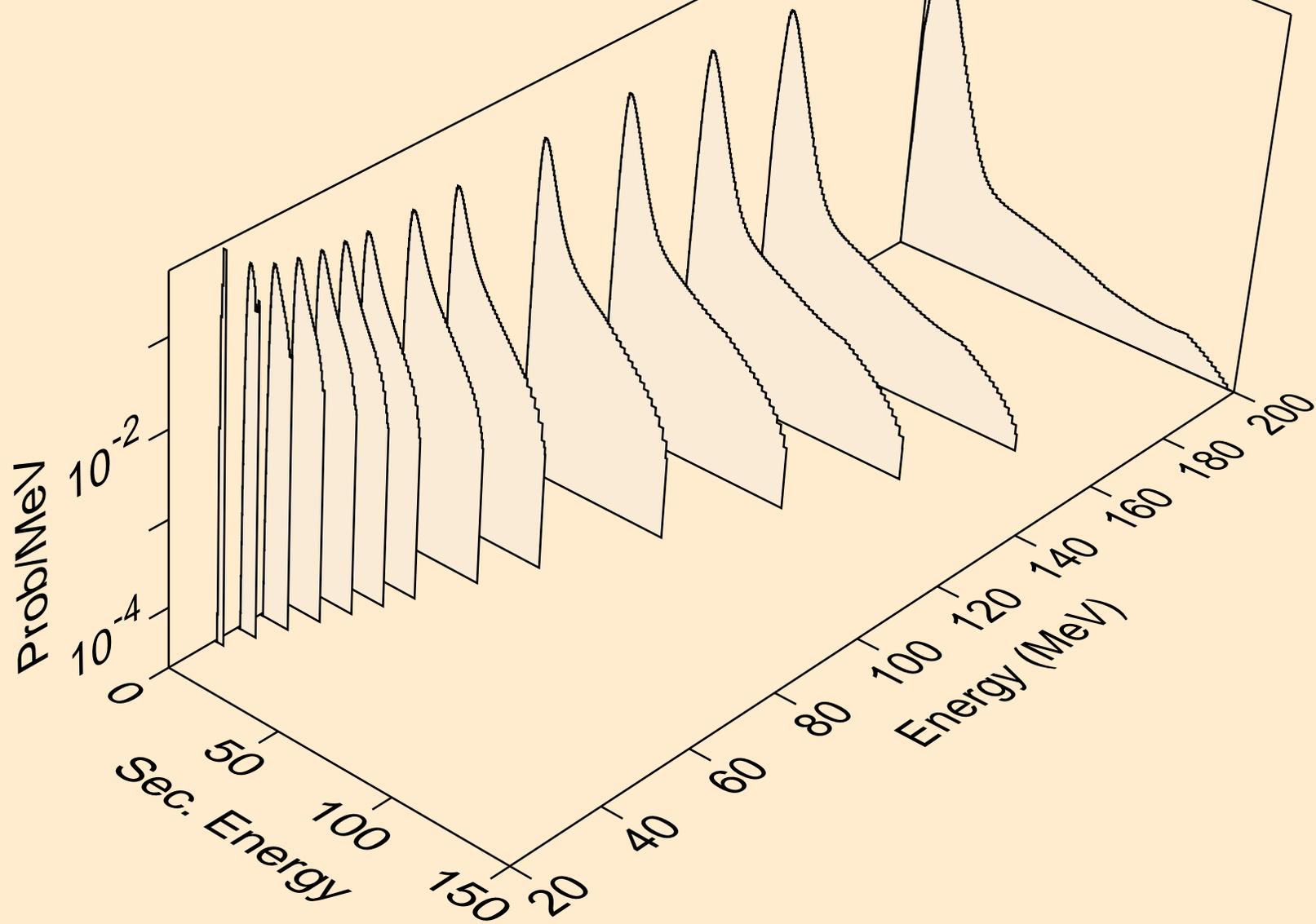deuterons from (g,x)

Prob/MeV

Sec. Energy

Energy (MeV)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
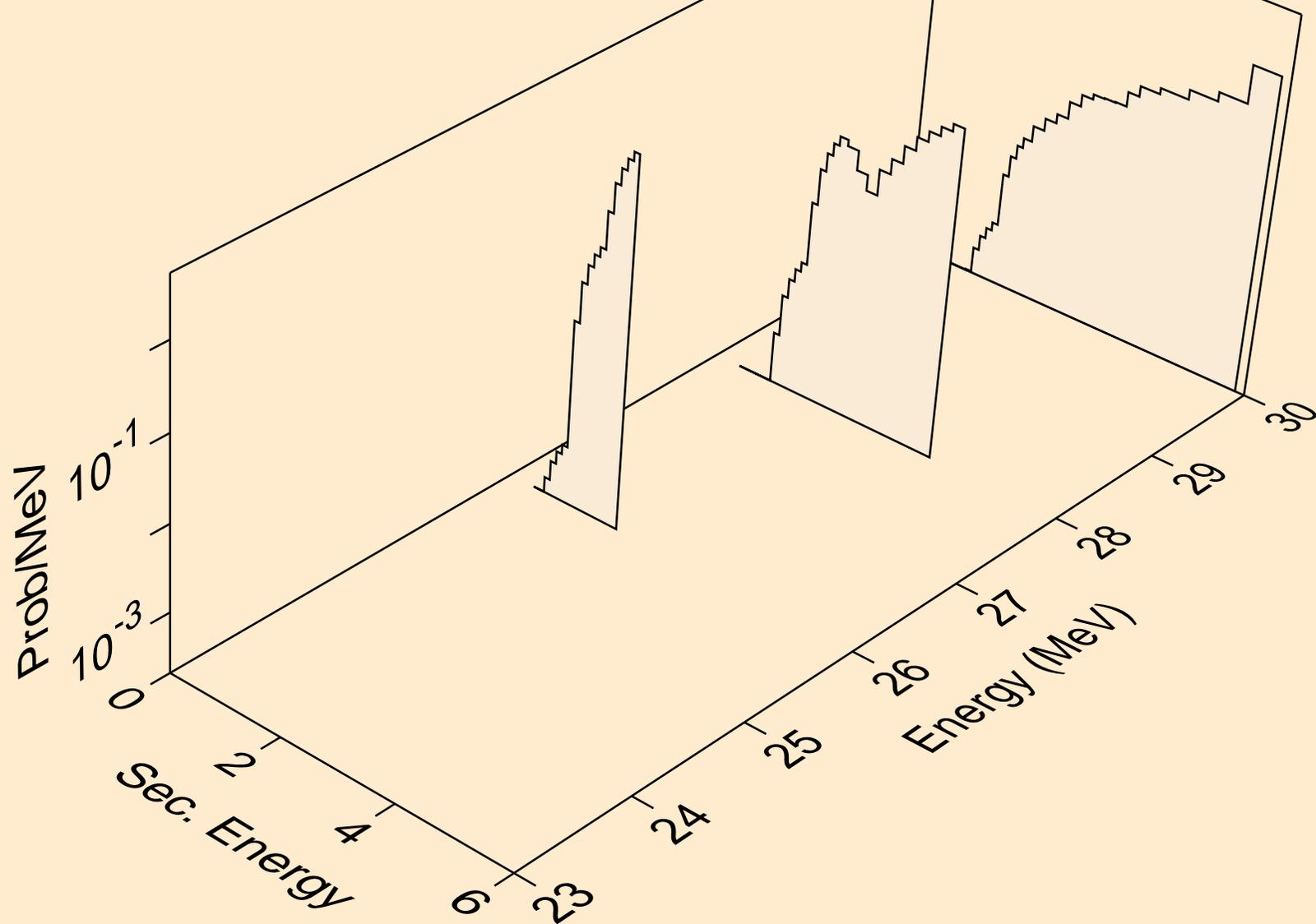deuterons from (g,d)

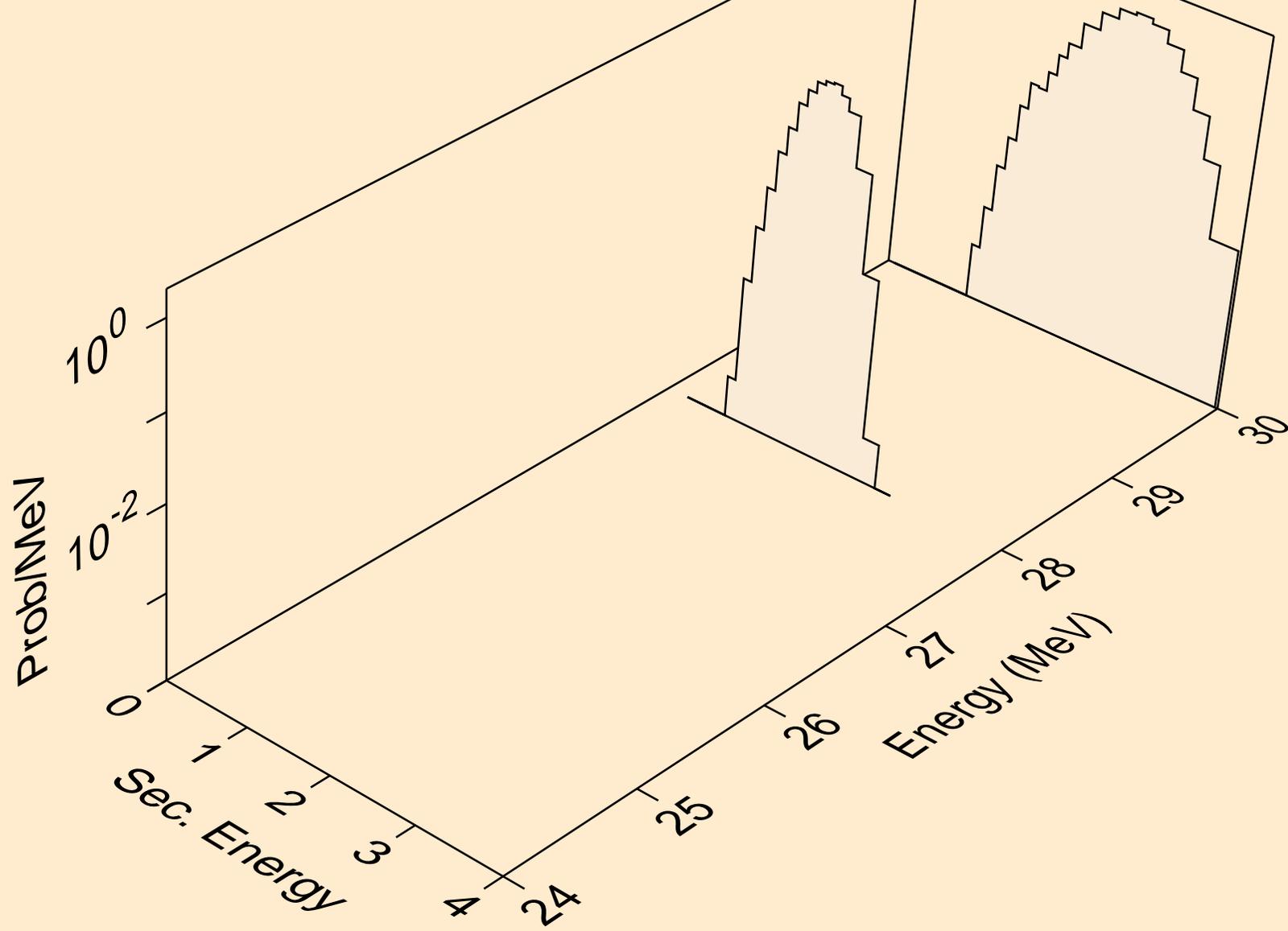TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,pd)

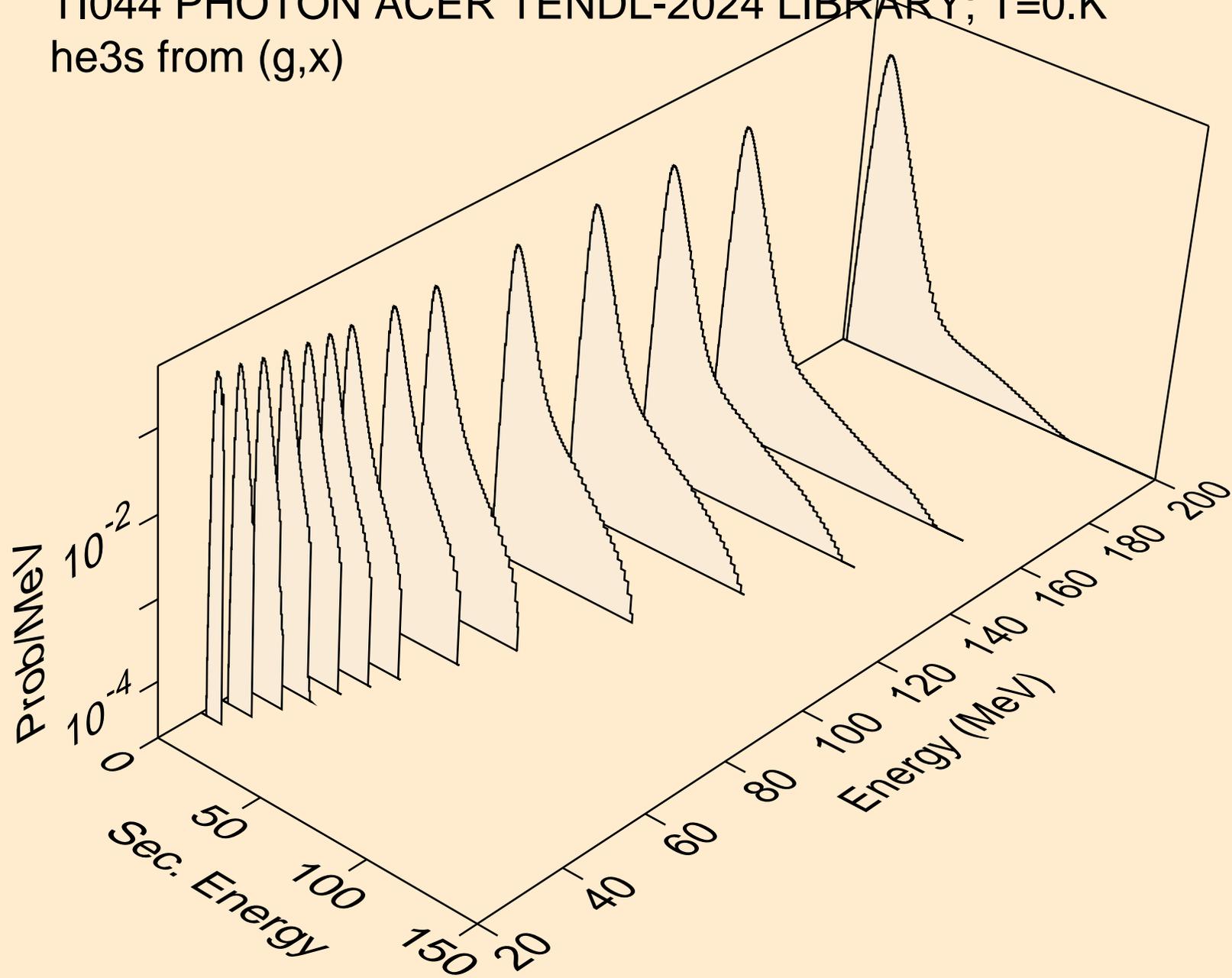TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,x)

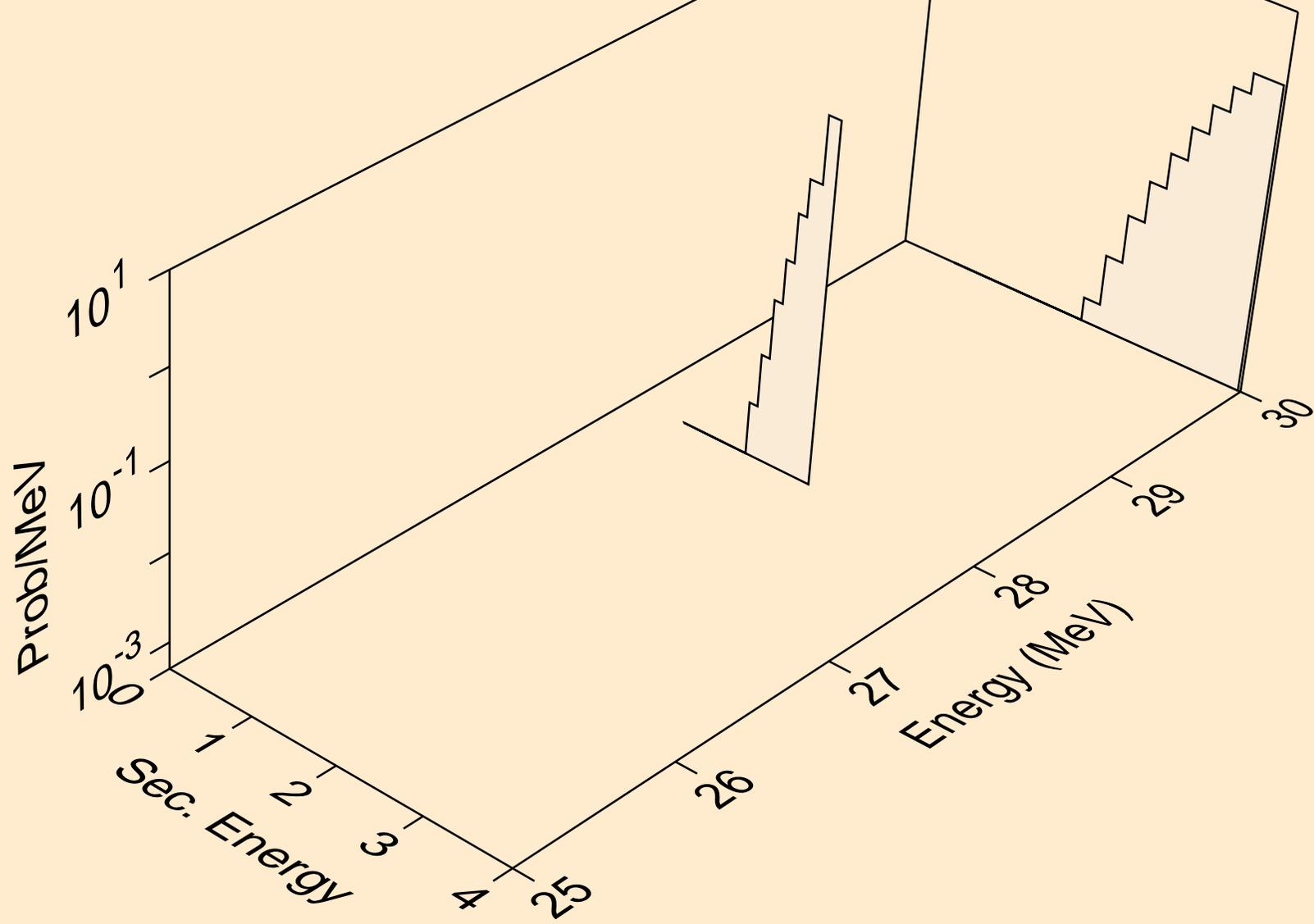TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,t)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
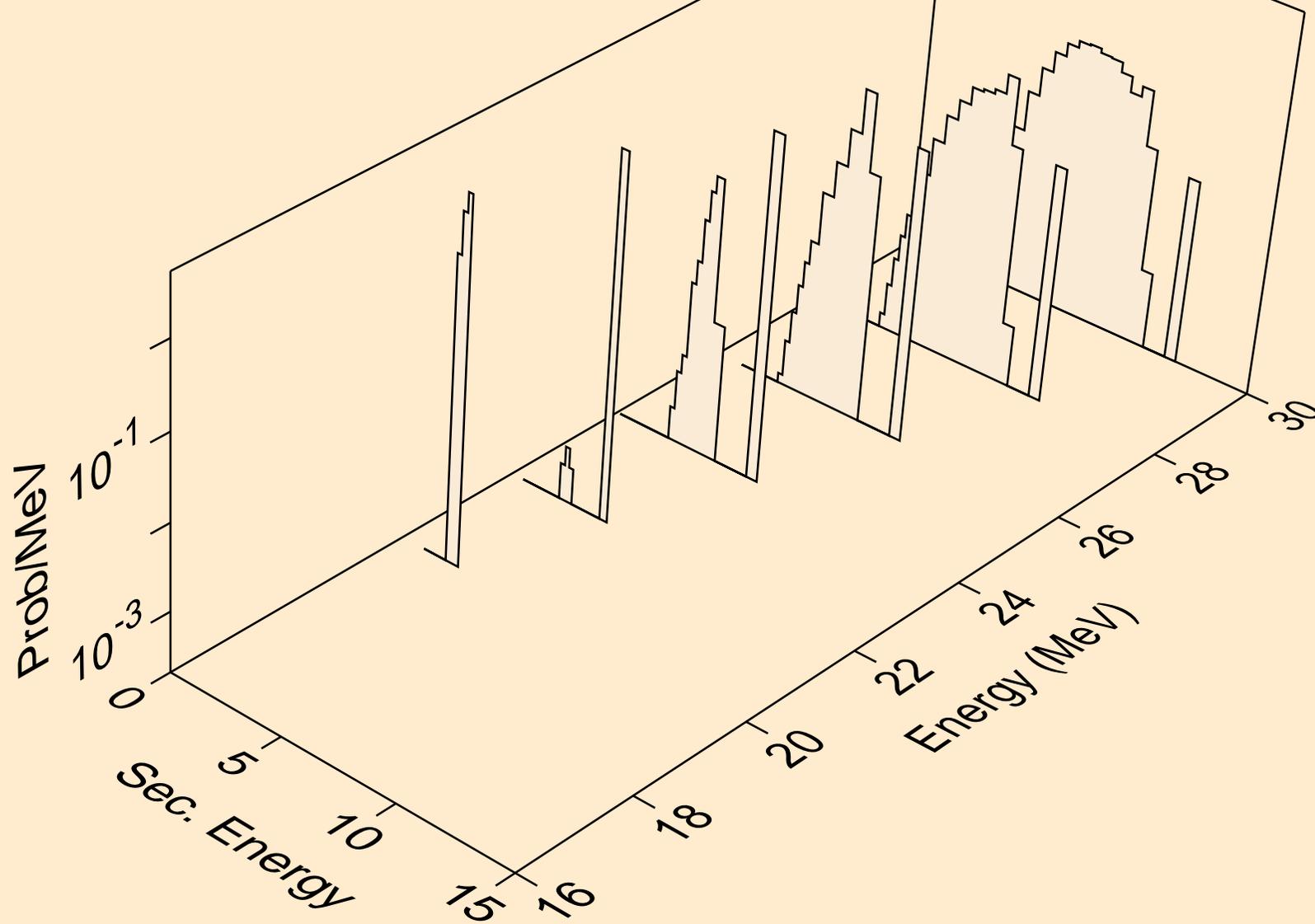tritons from (g,pt)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
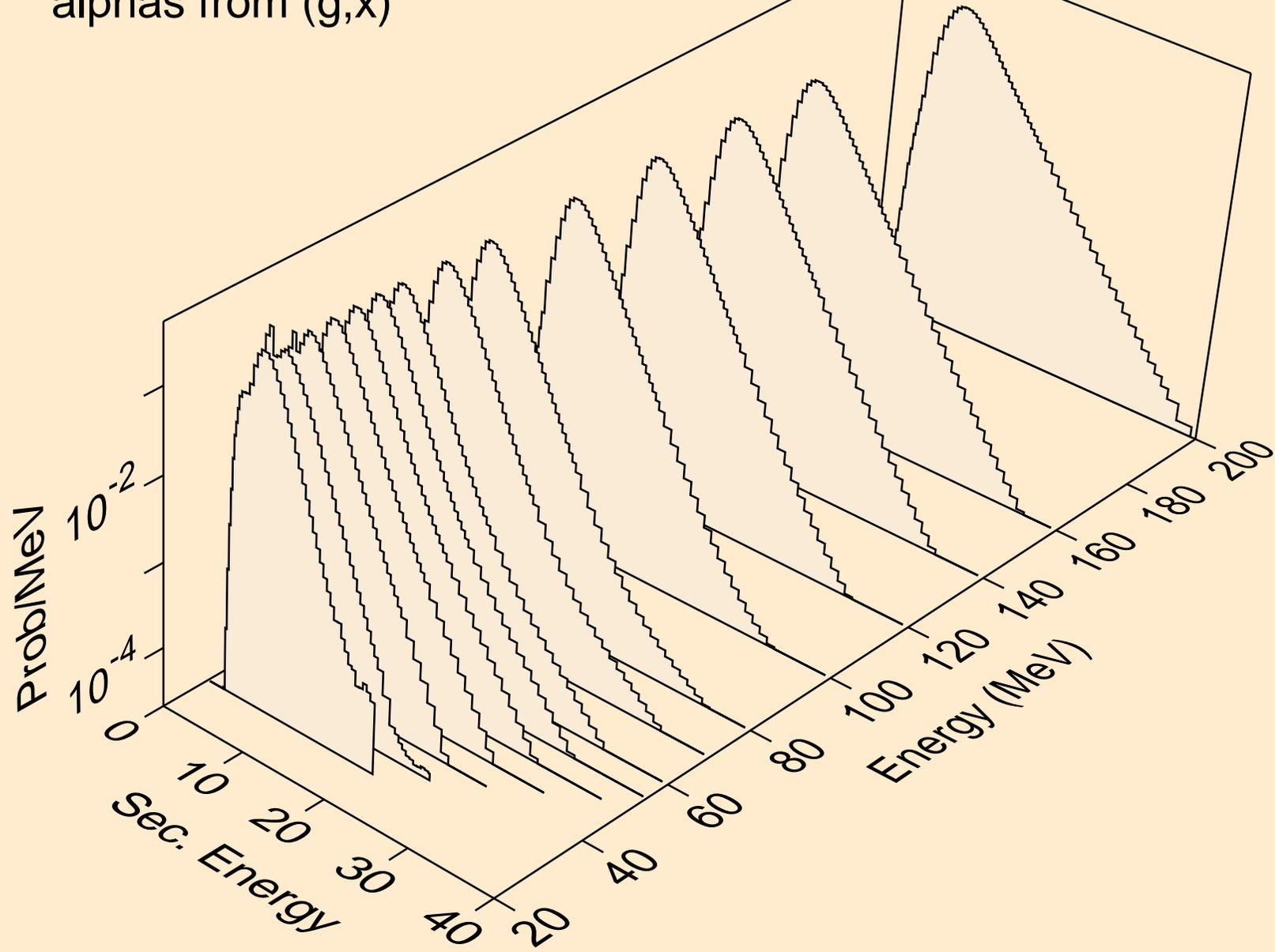he3s from (g,x)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
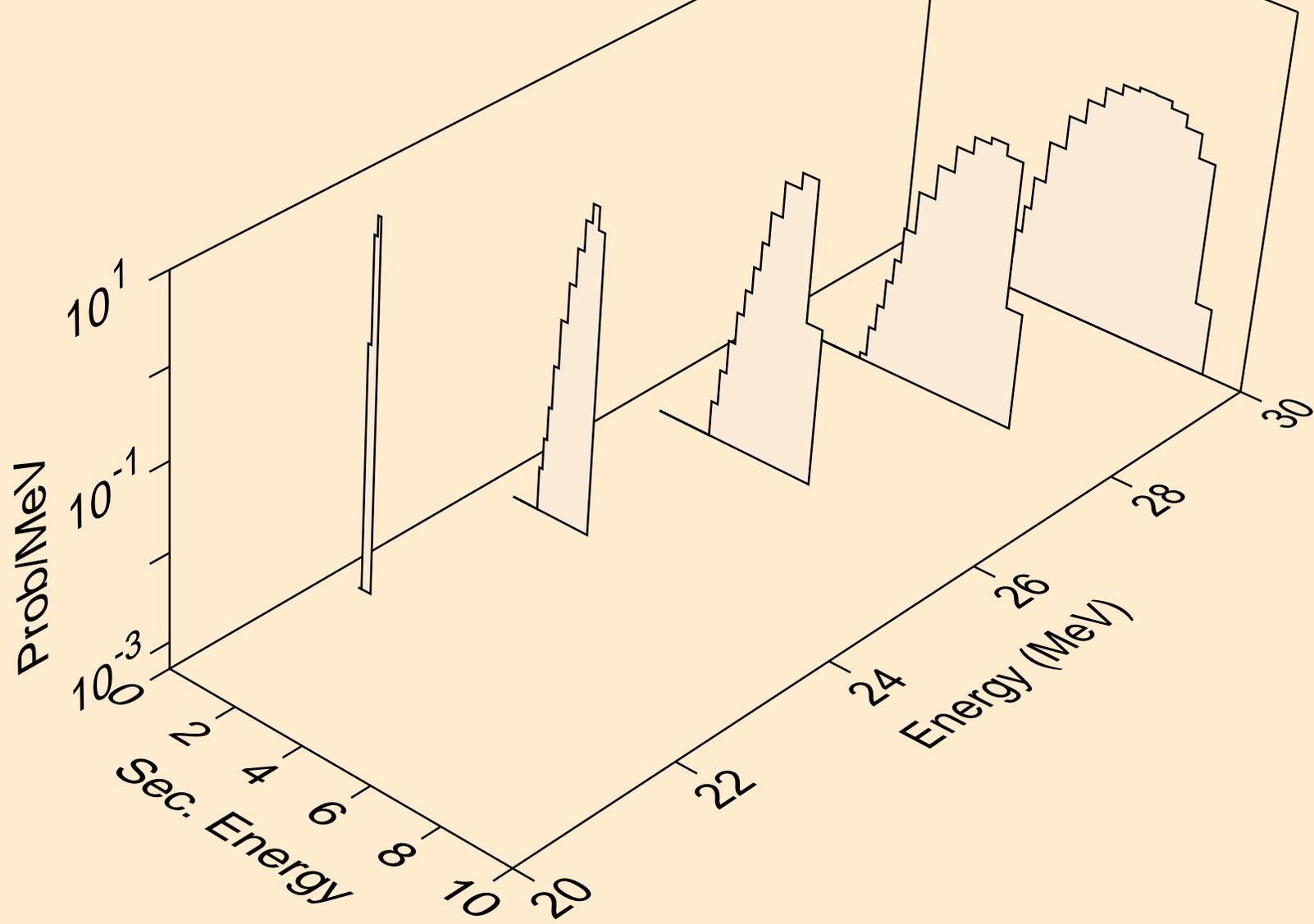he3s from (g,n*)he3

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
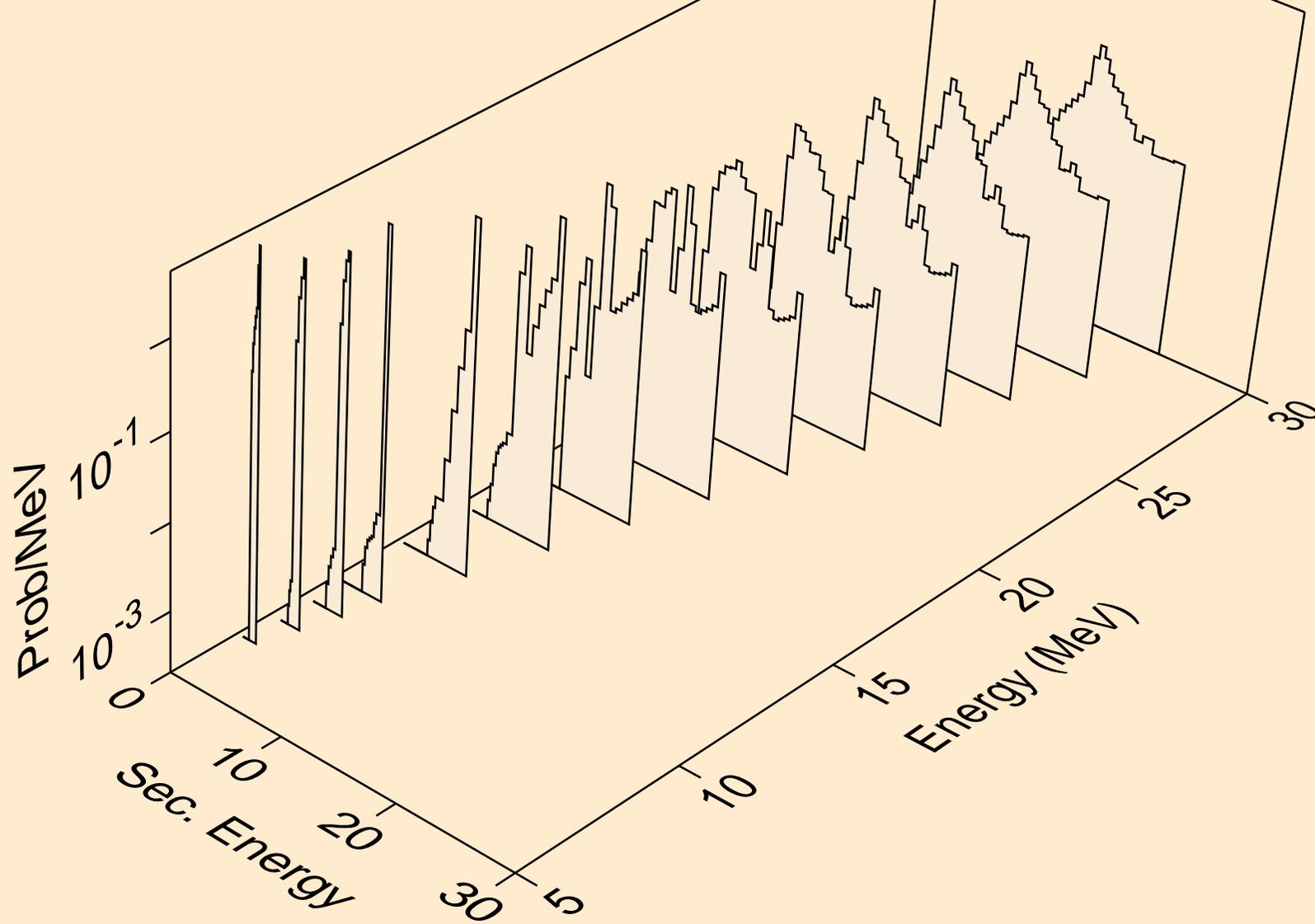he3s from (g,he3)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
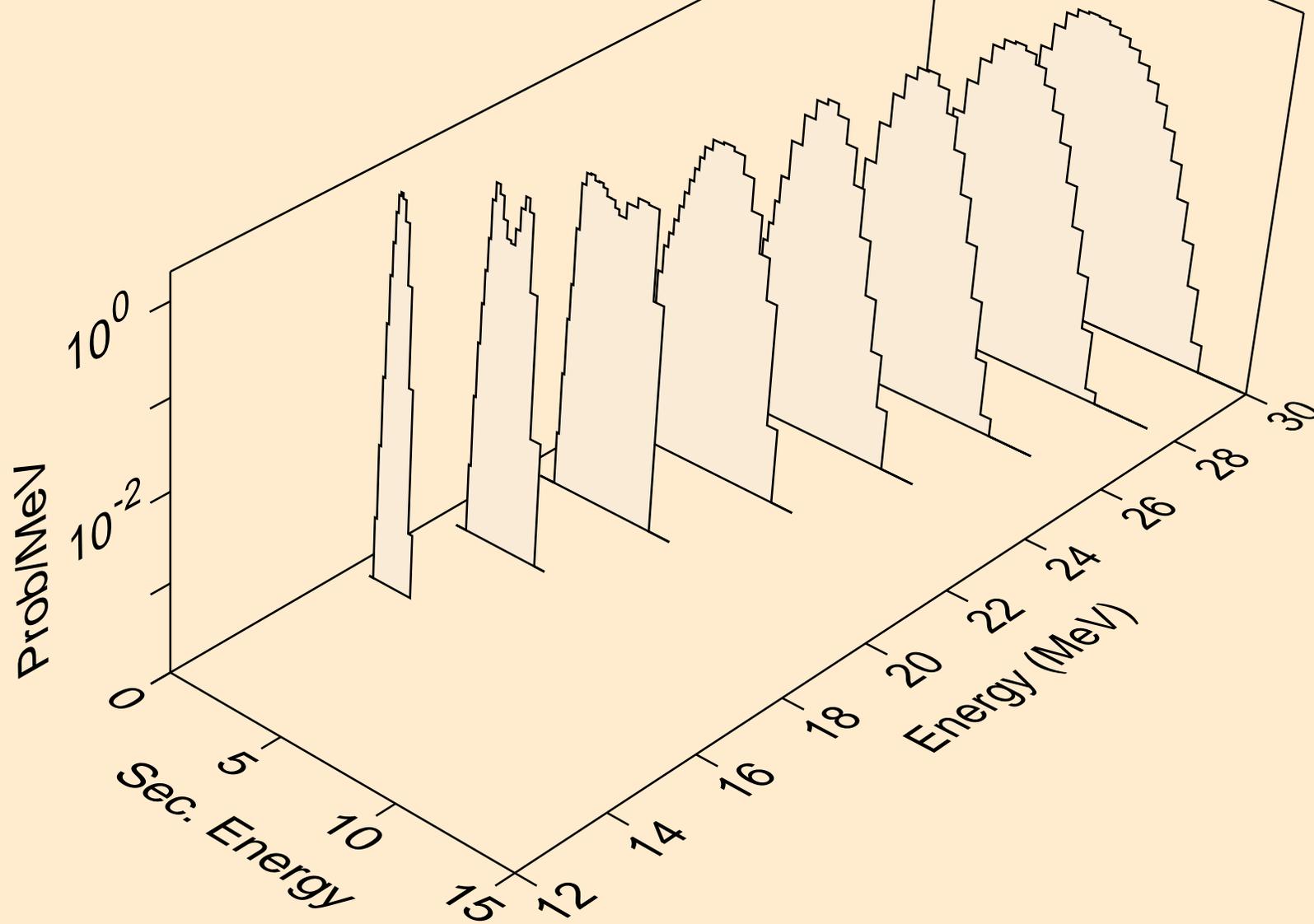alphas from (g,x)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,n*)a

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,a)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,2a)

TI044 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,pa)