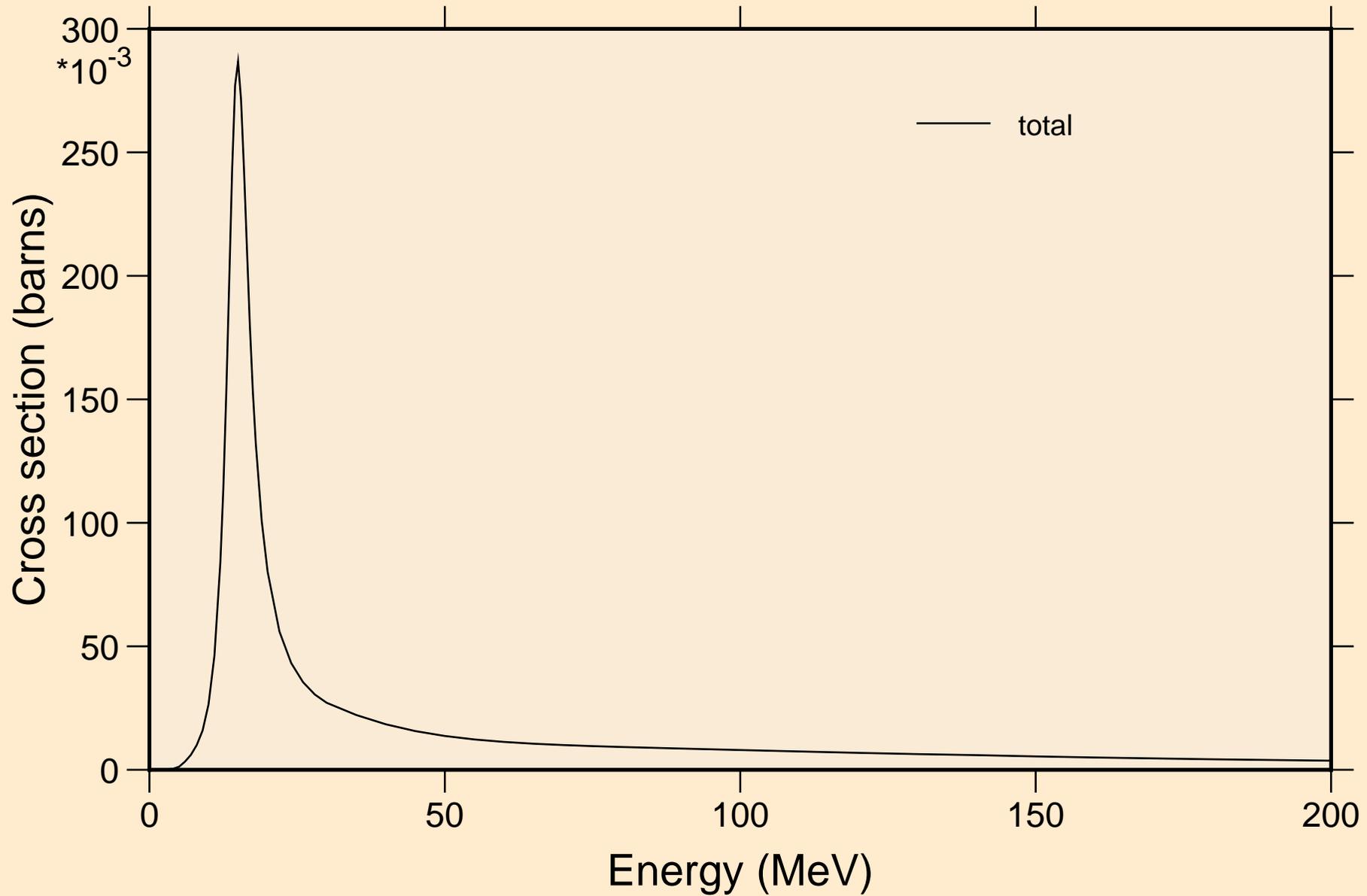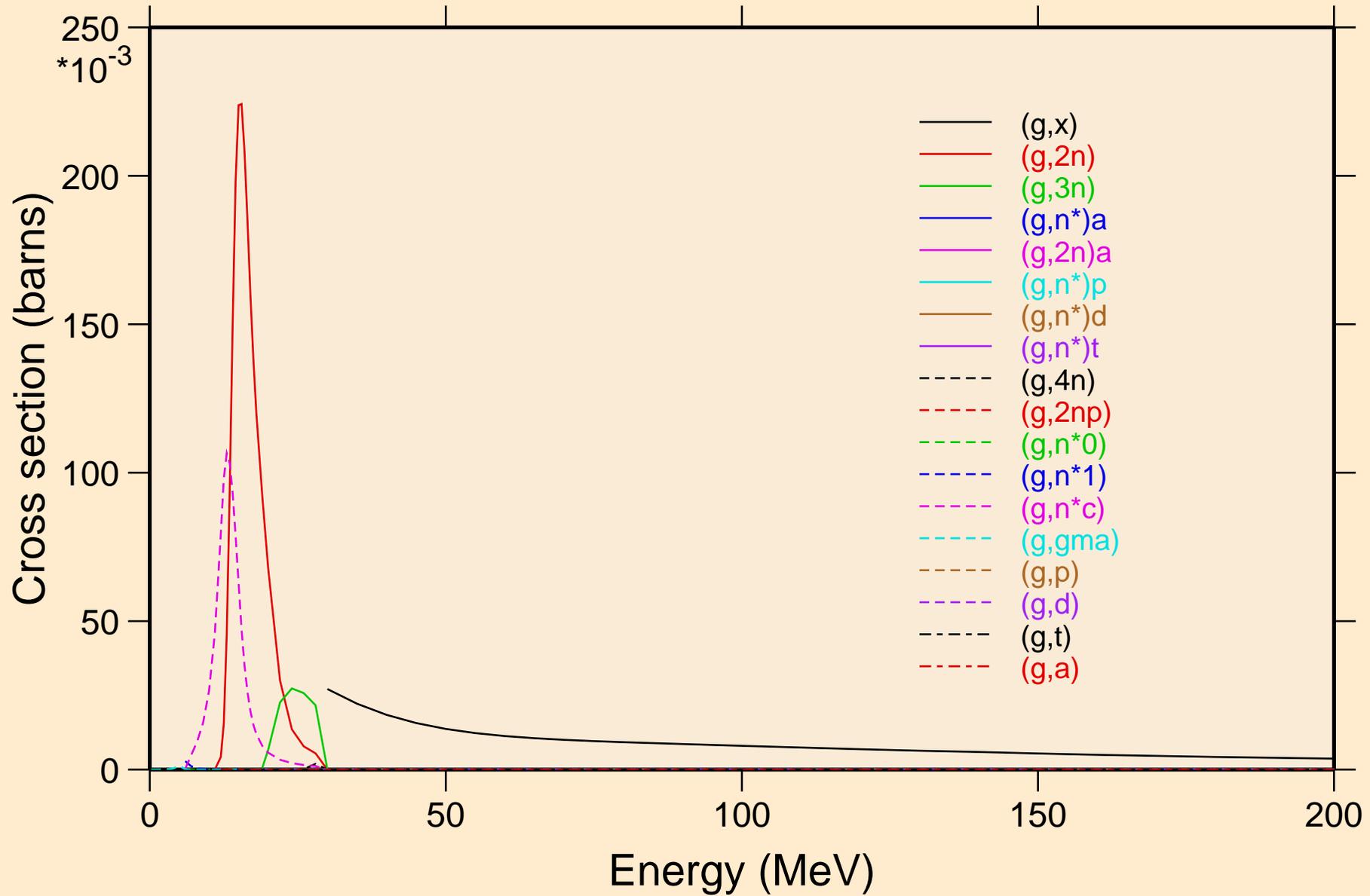IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
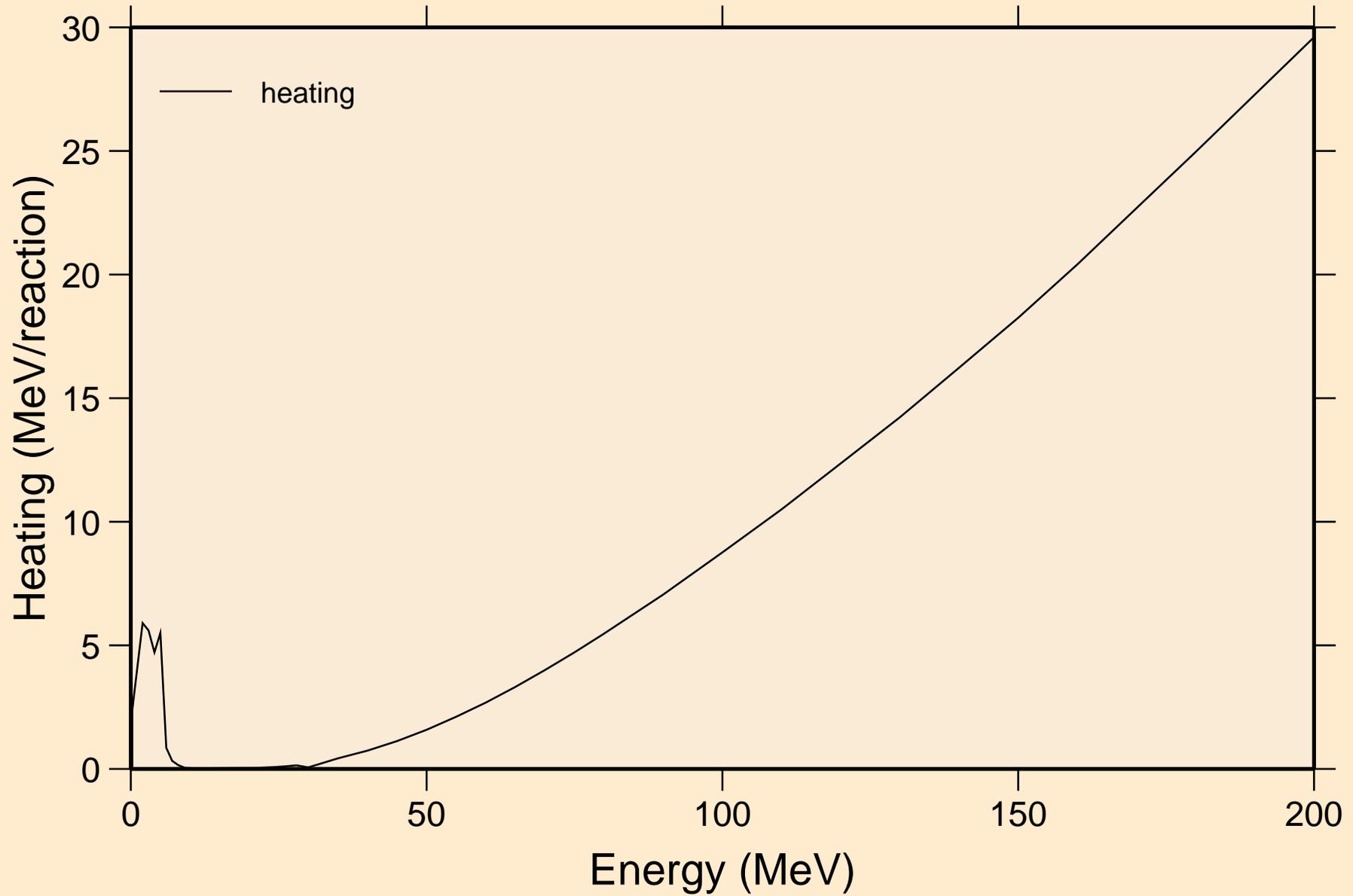
IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Partial cross sections

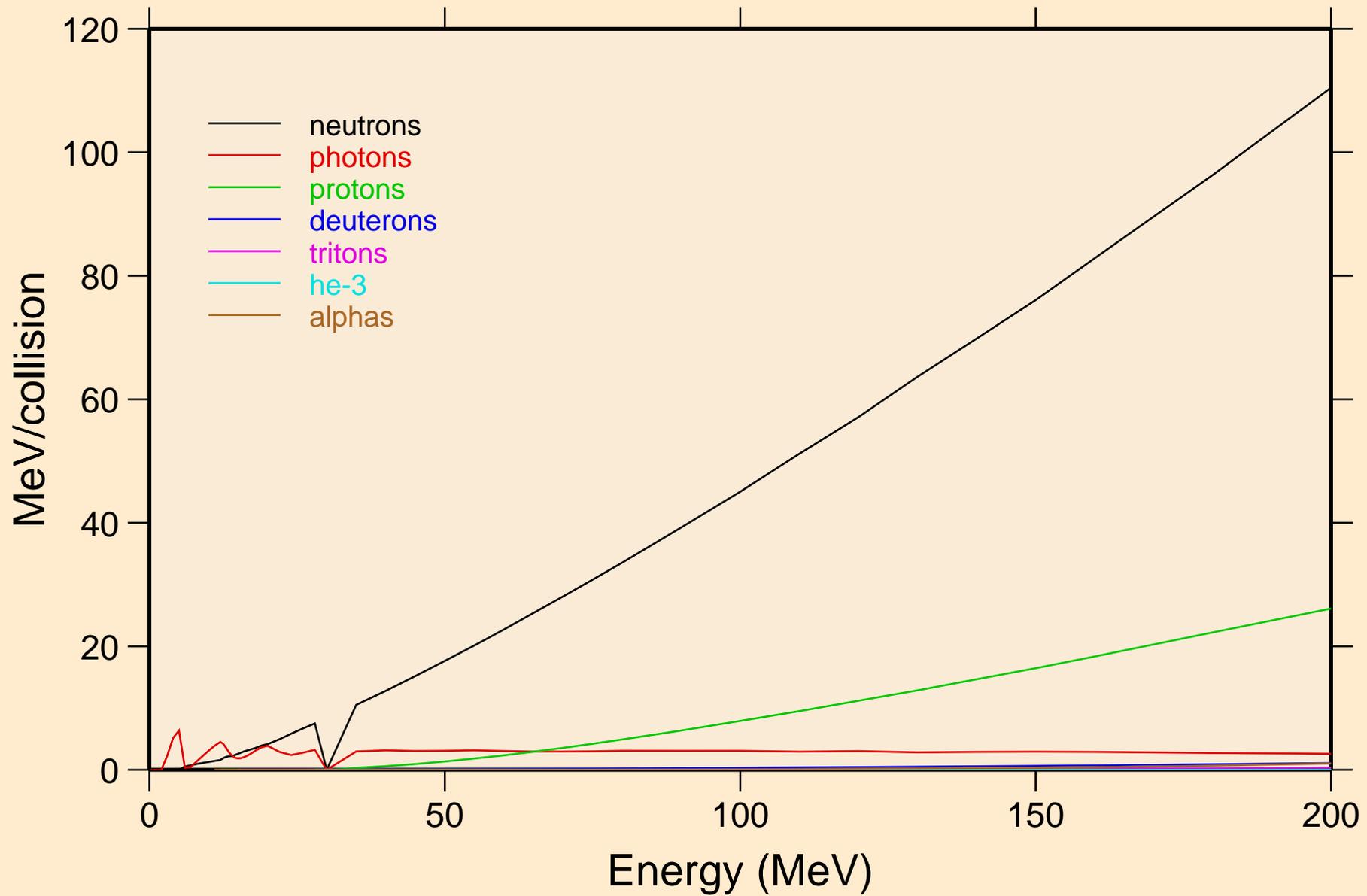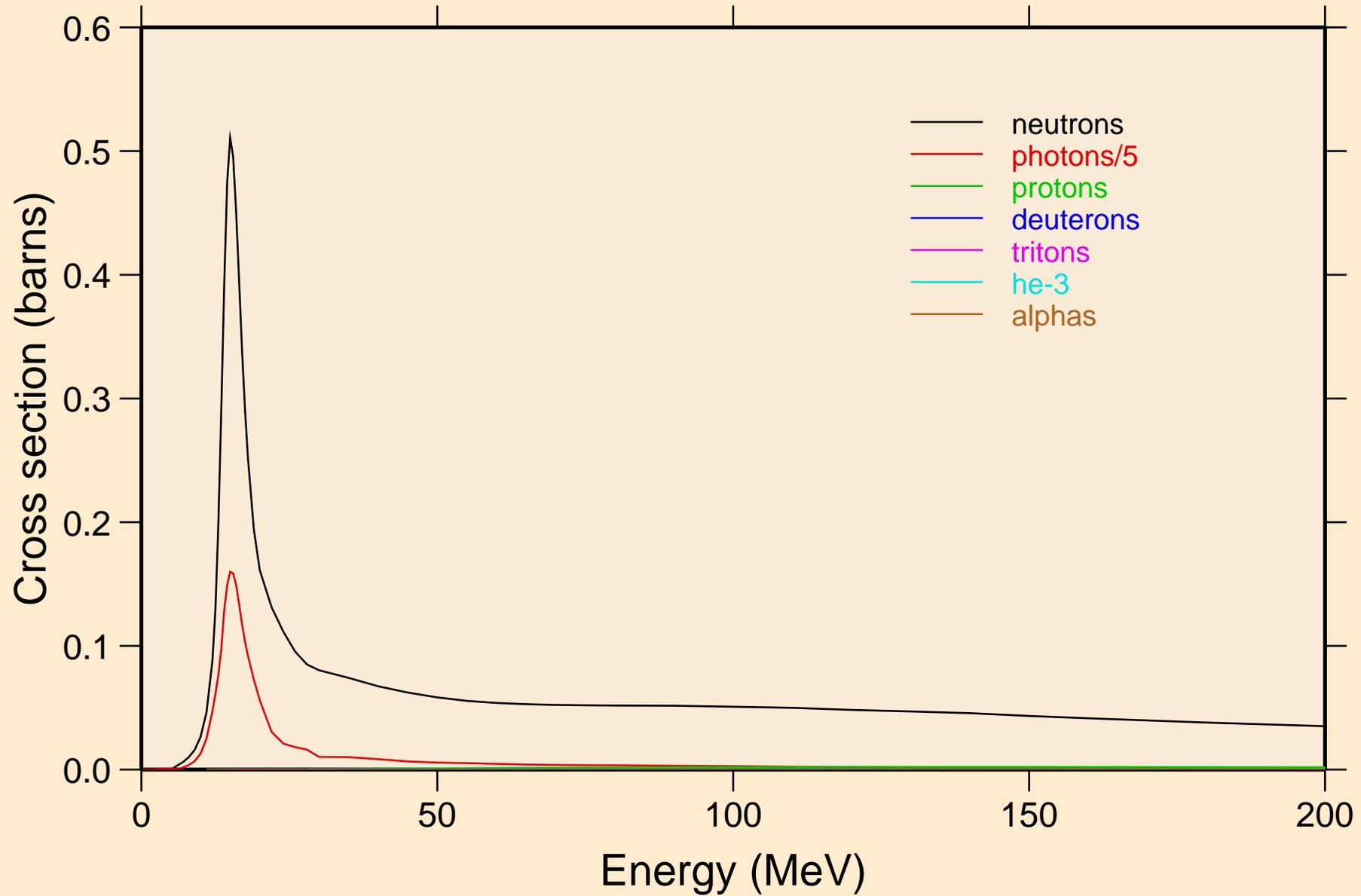IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

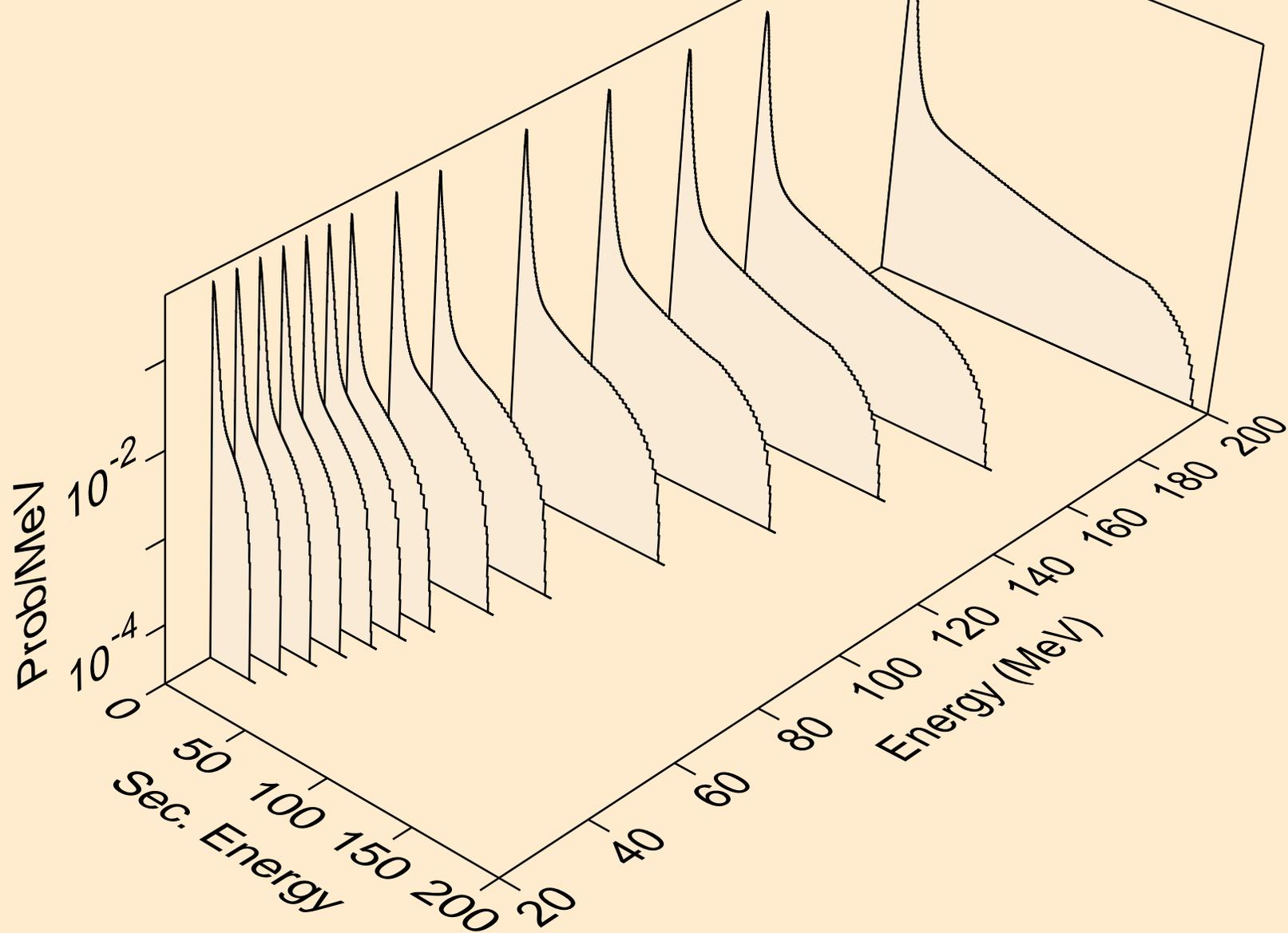IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

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

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

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections

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

Y-axis: Cross section (barns)
X-axis: Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,x)

ProblMeV

10^{-2}

10^{-4}

Sec. Energy

Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
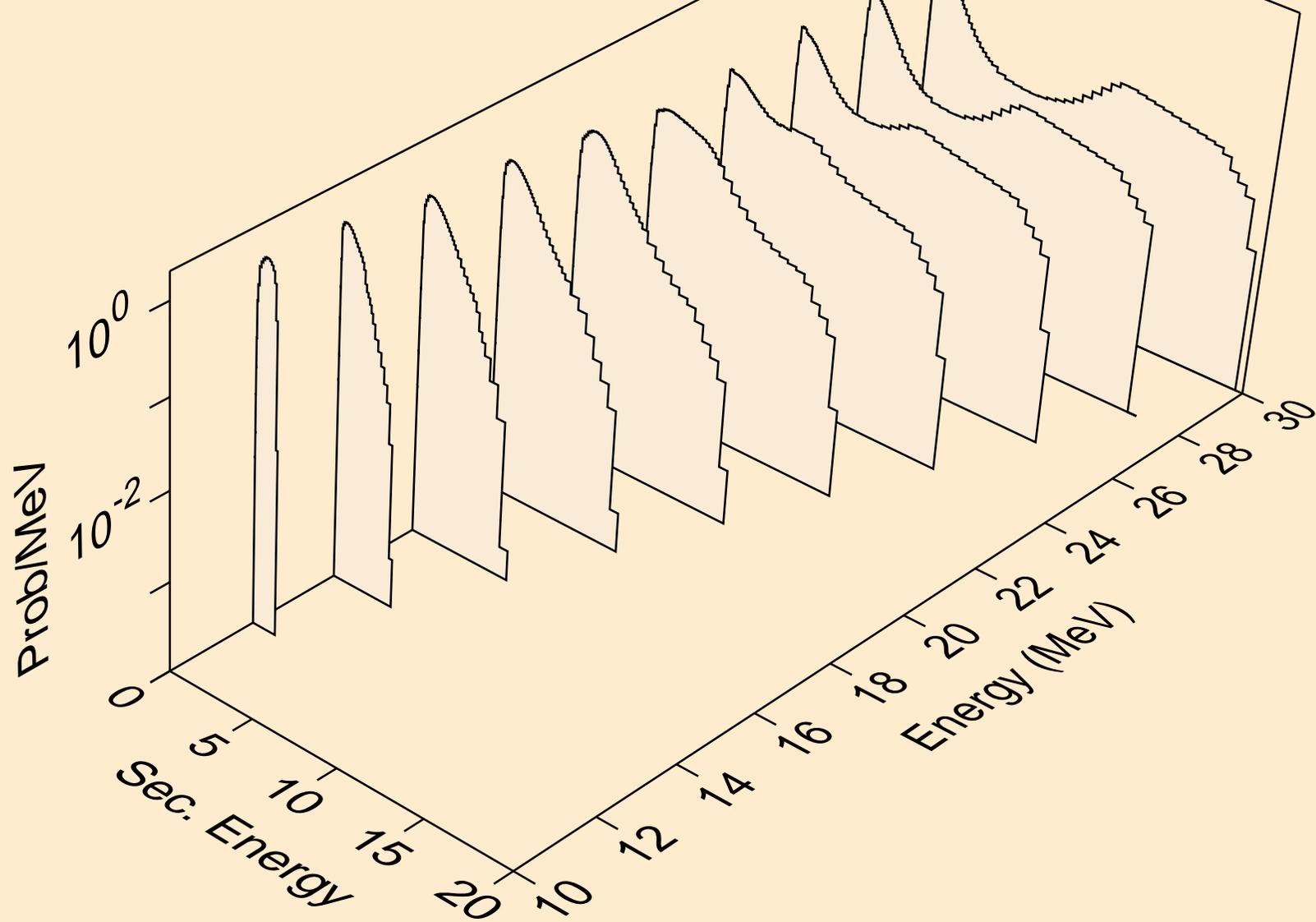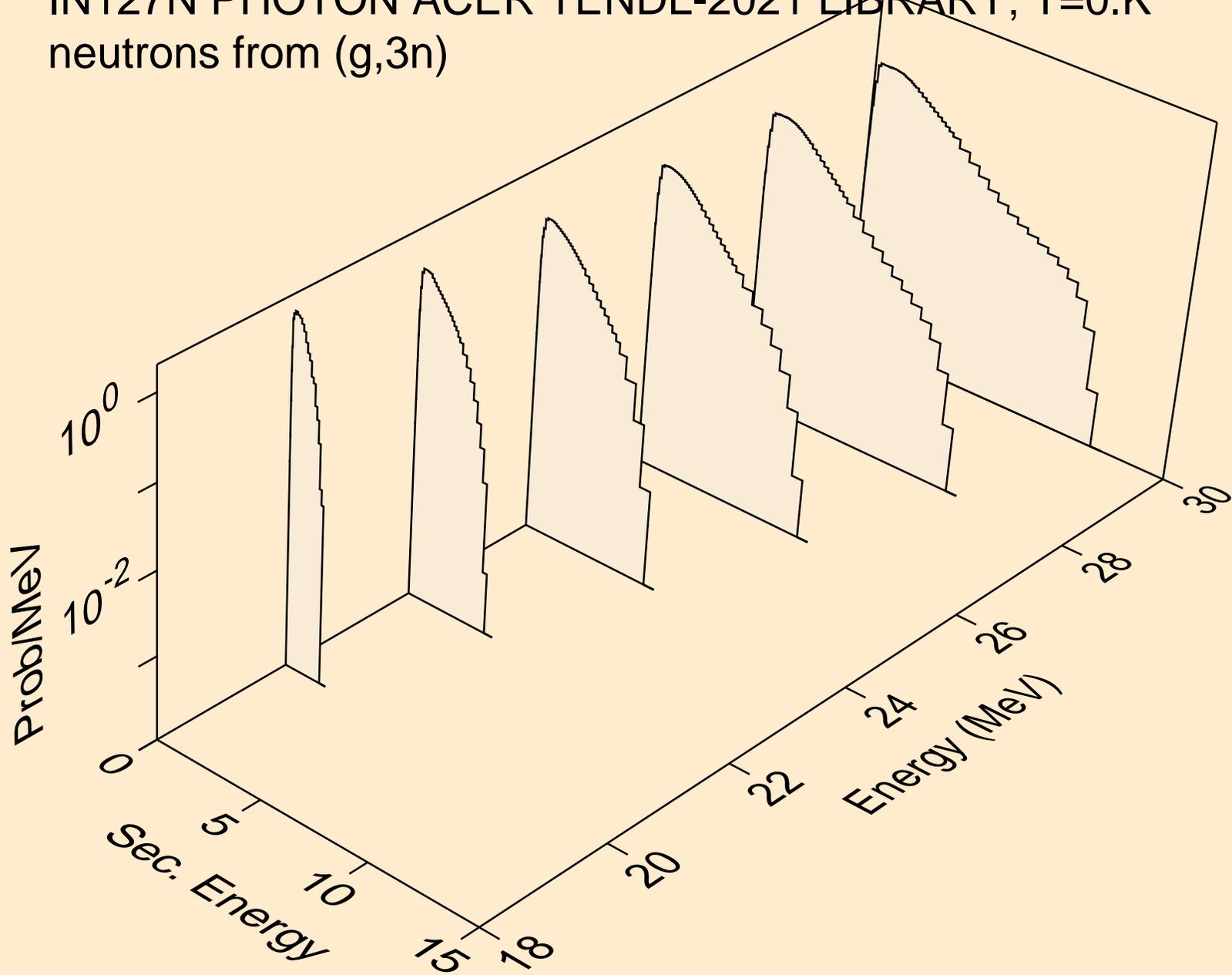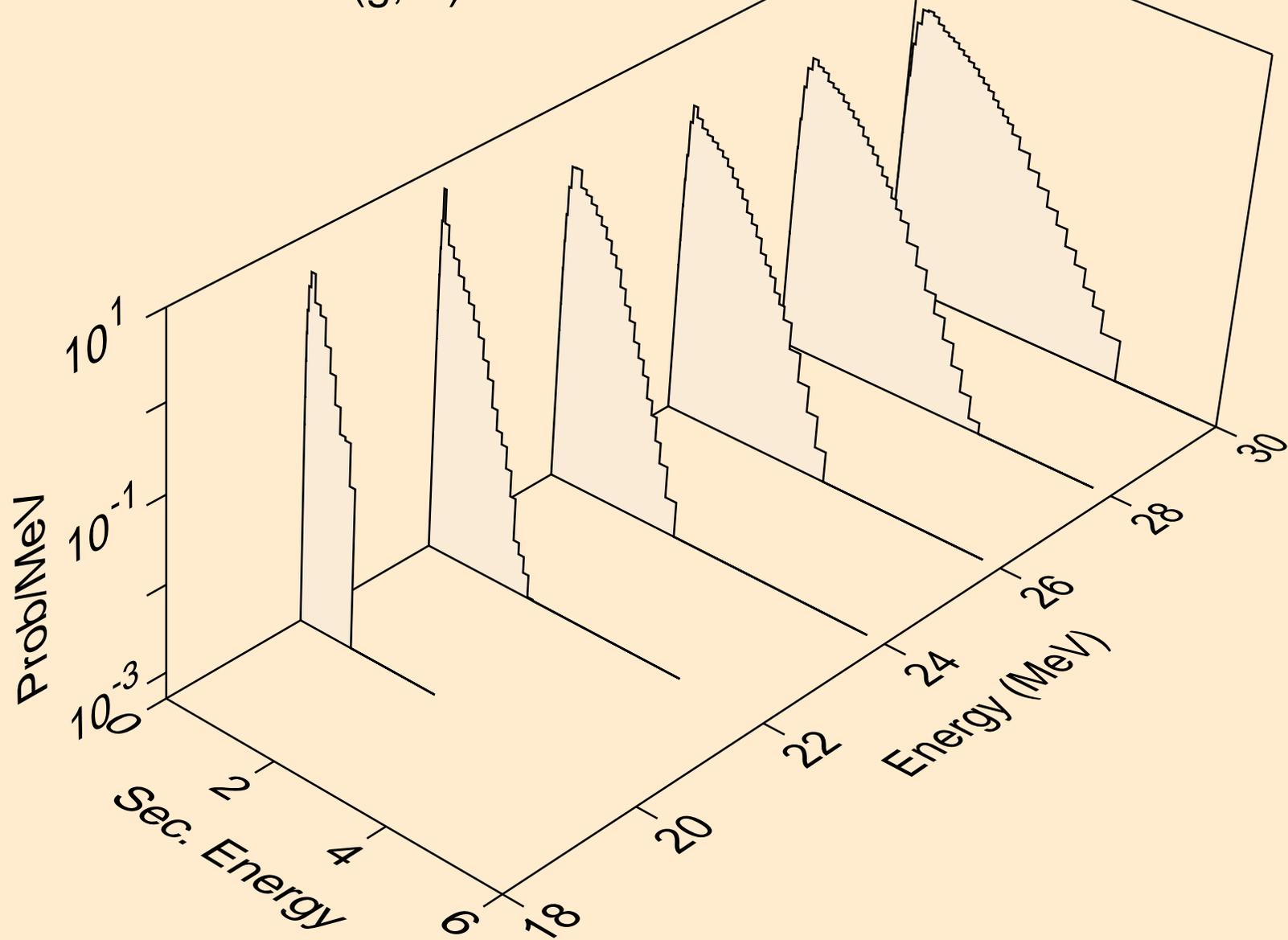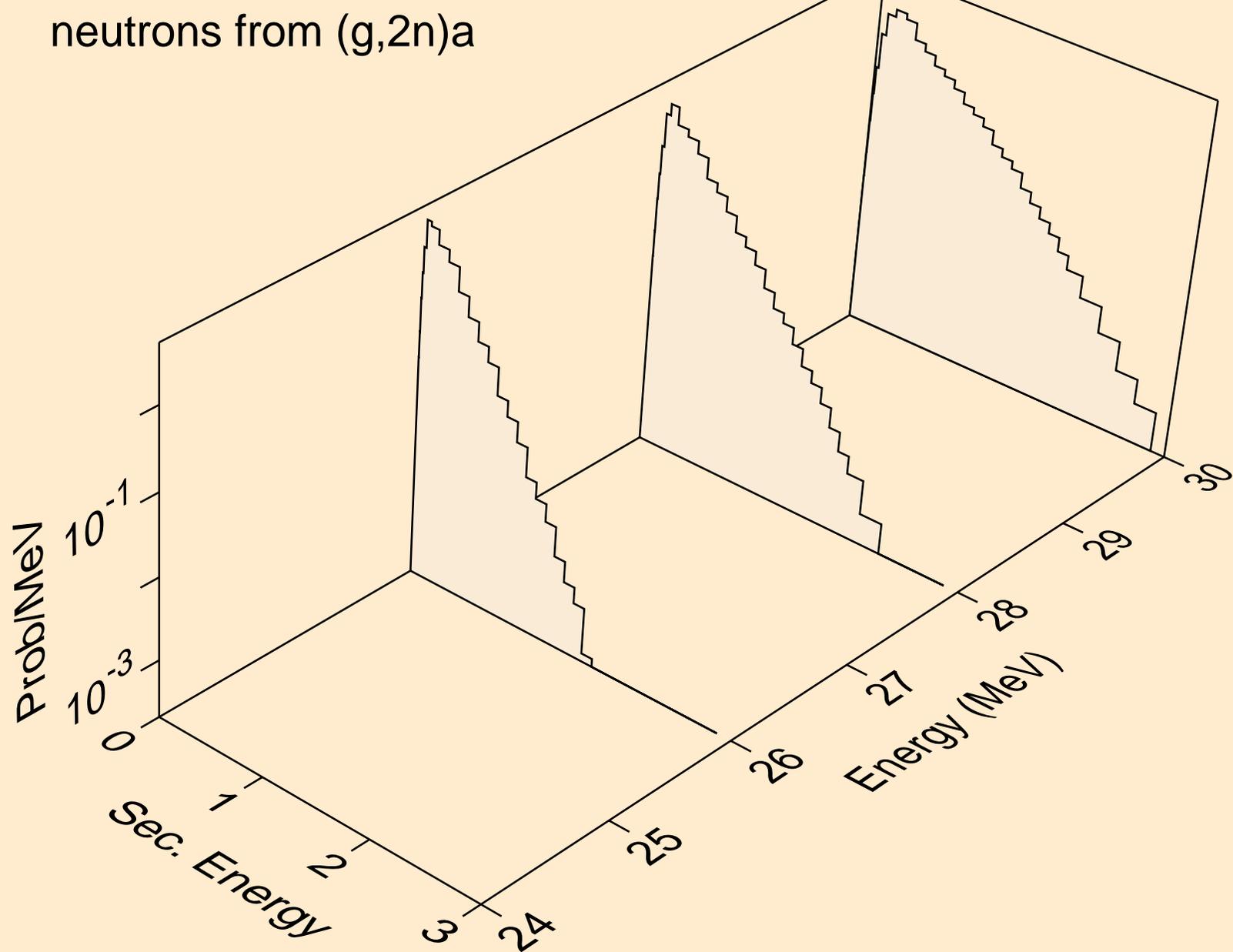neutrons from (g,2n)

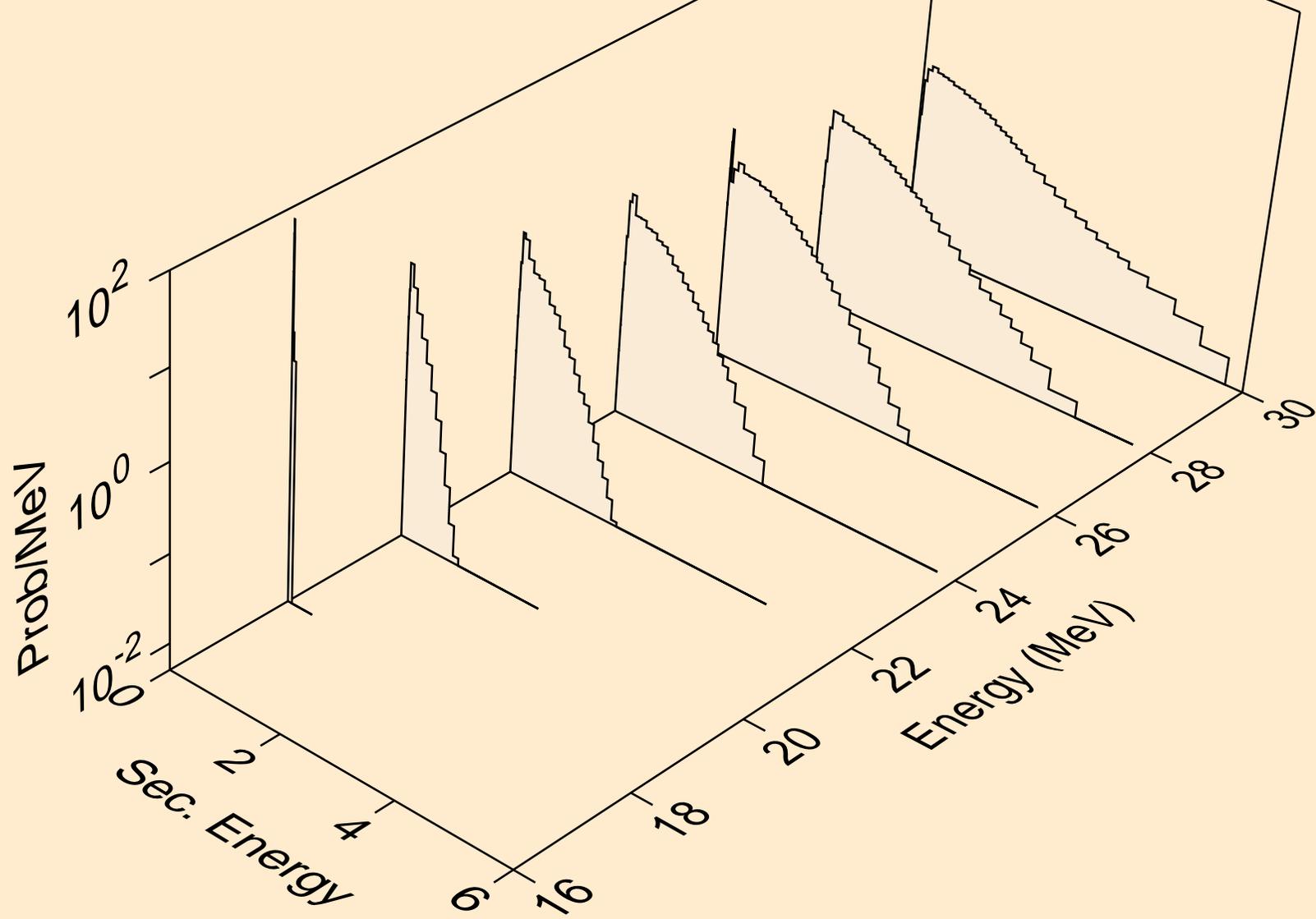IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,3n)

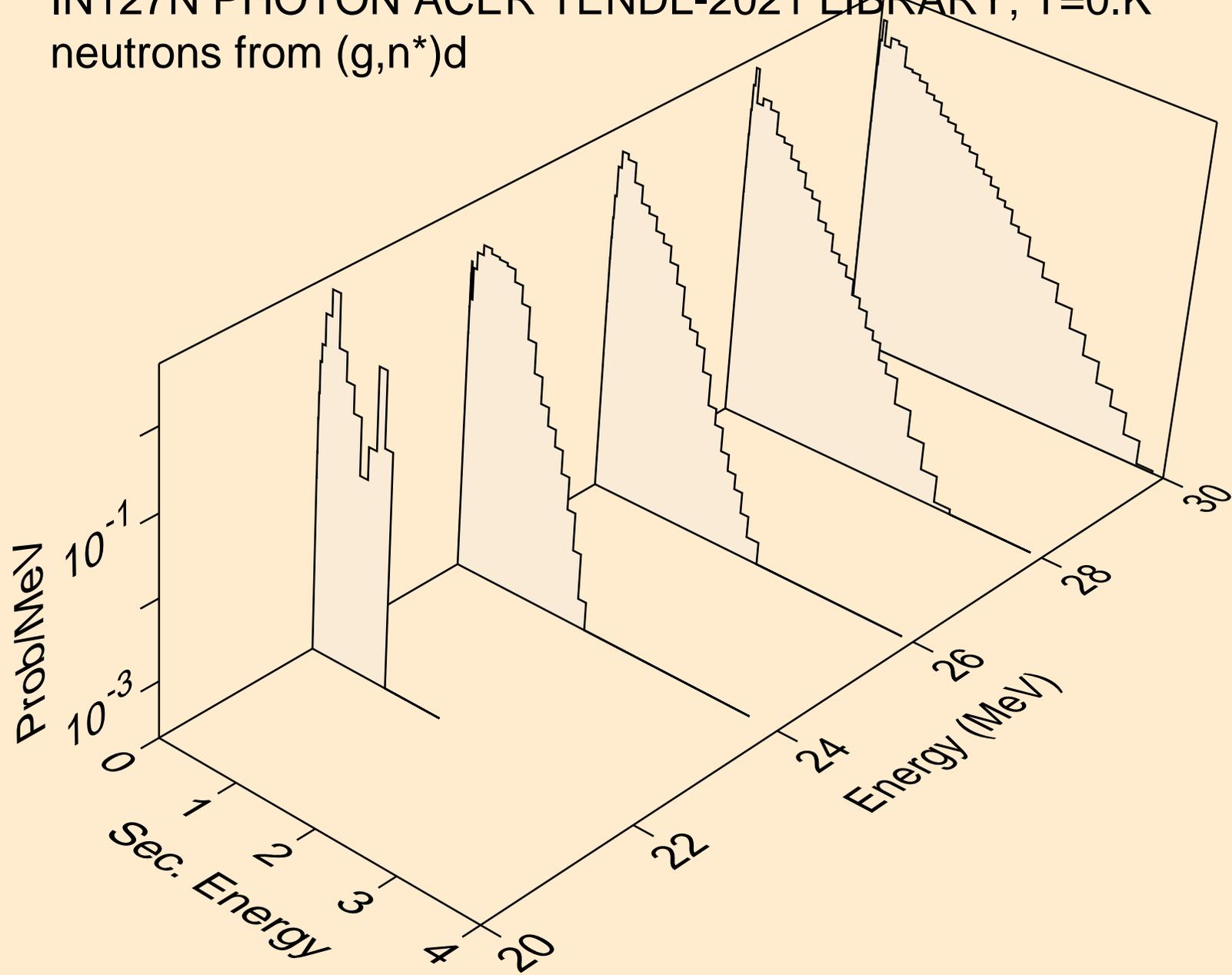IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,n*)a

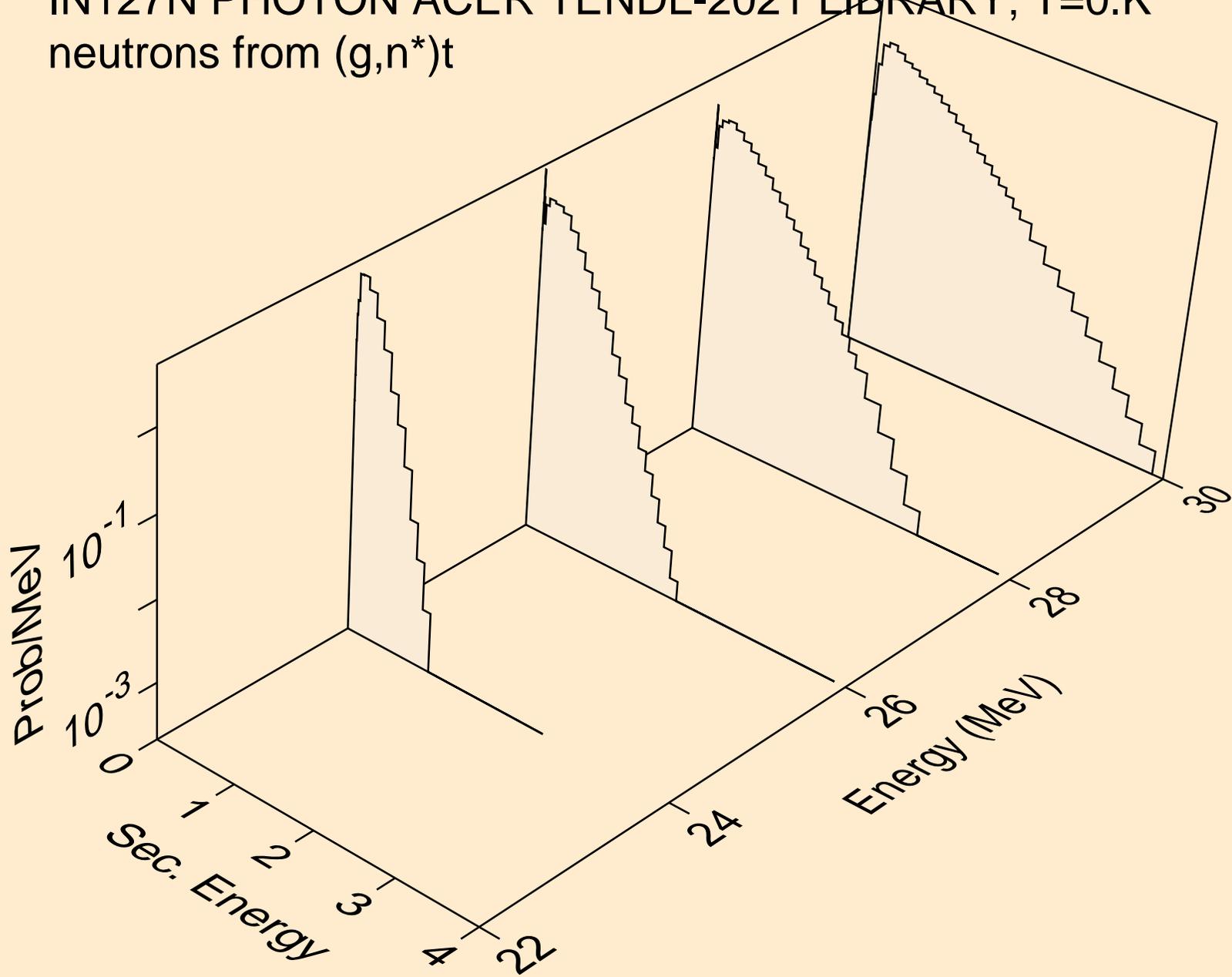IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,2n)a

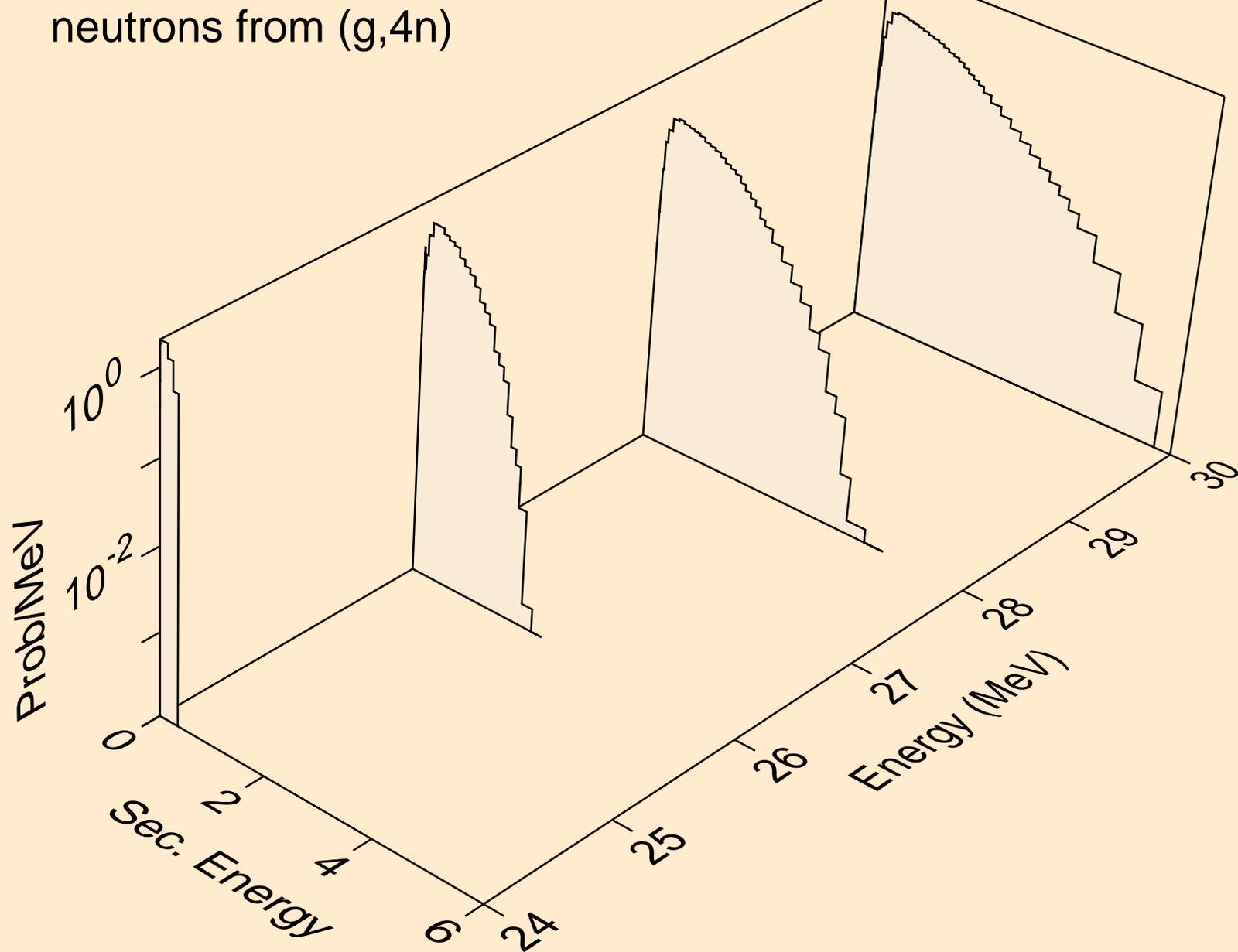IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,n*)p

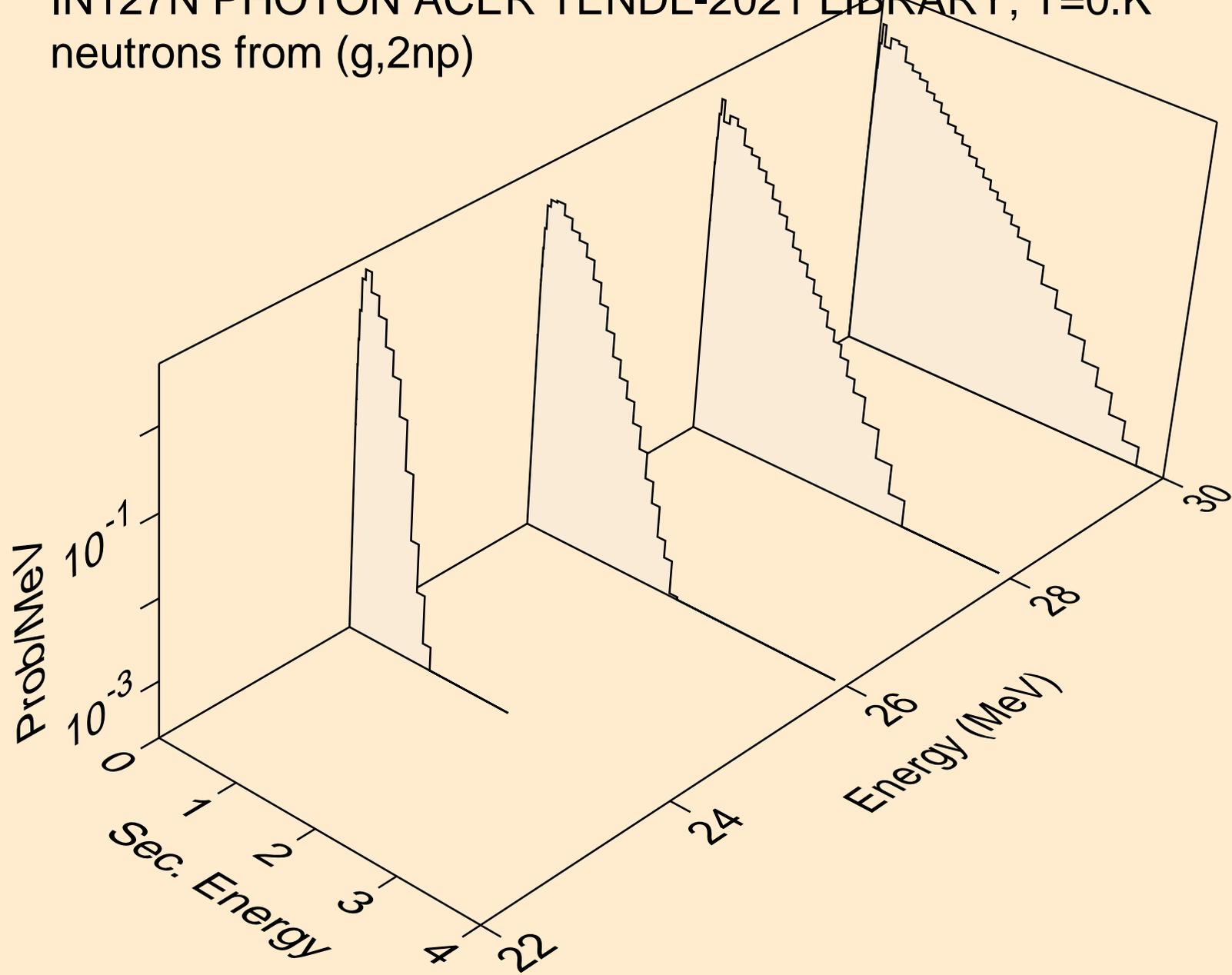IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,n*)d

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
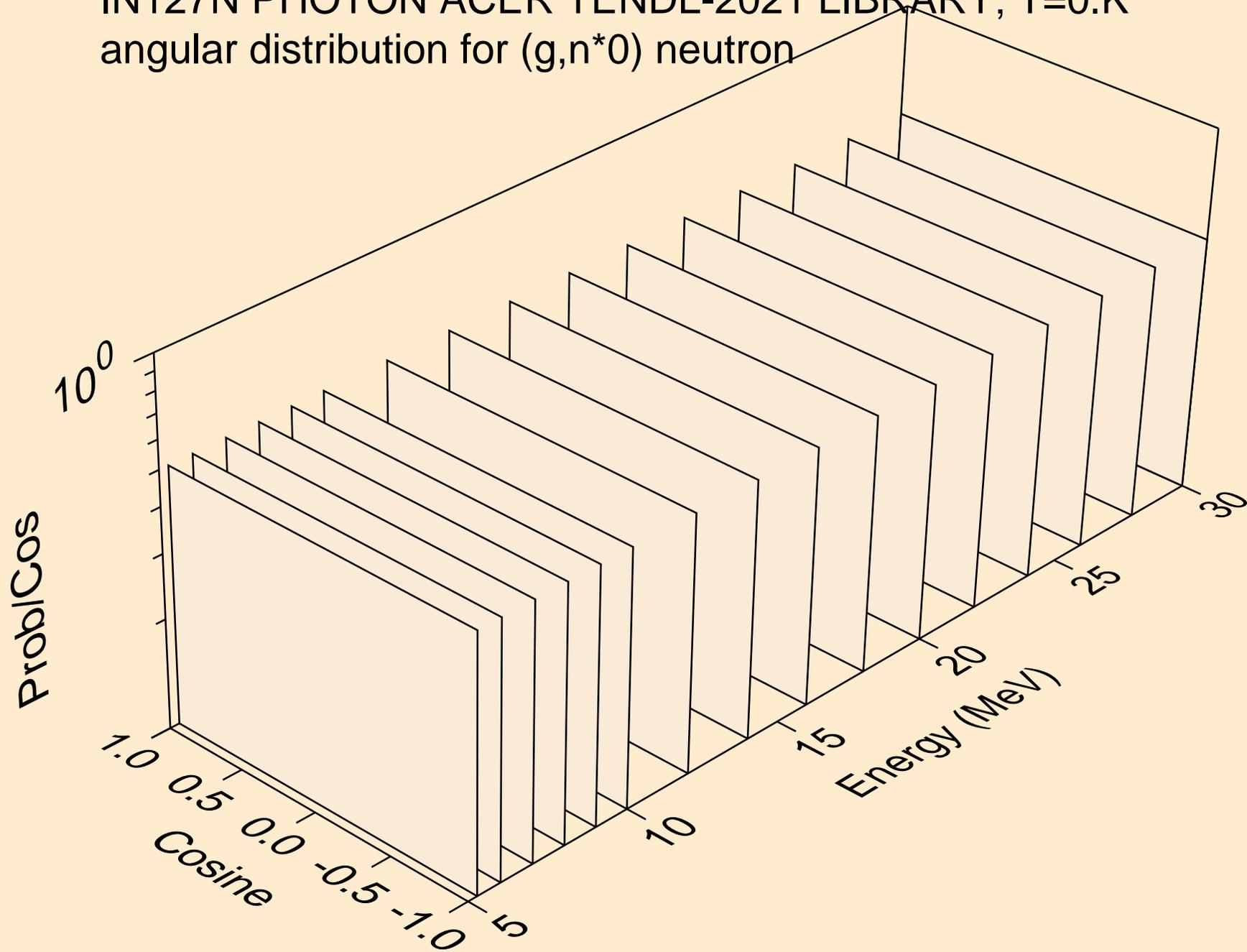neutrons from (g,n*)t

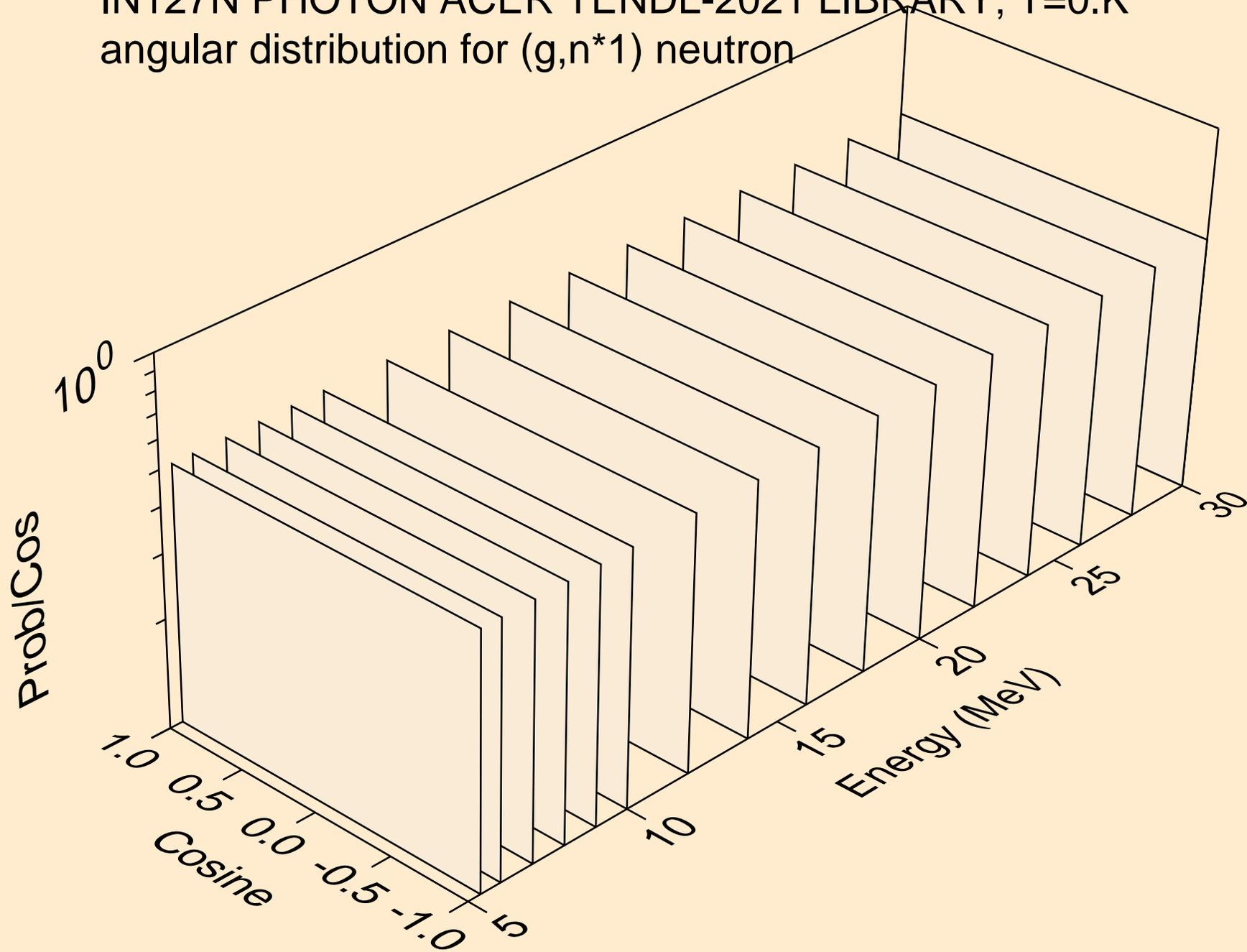IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,4n)

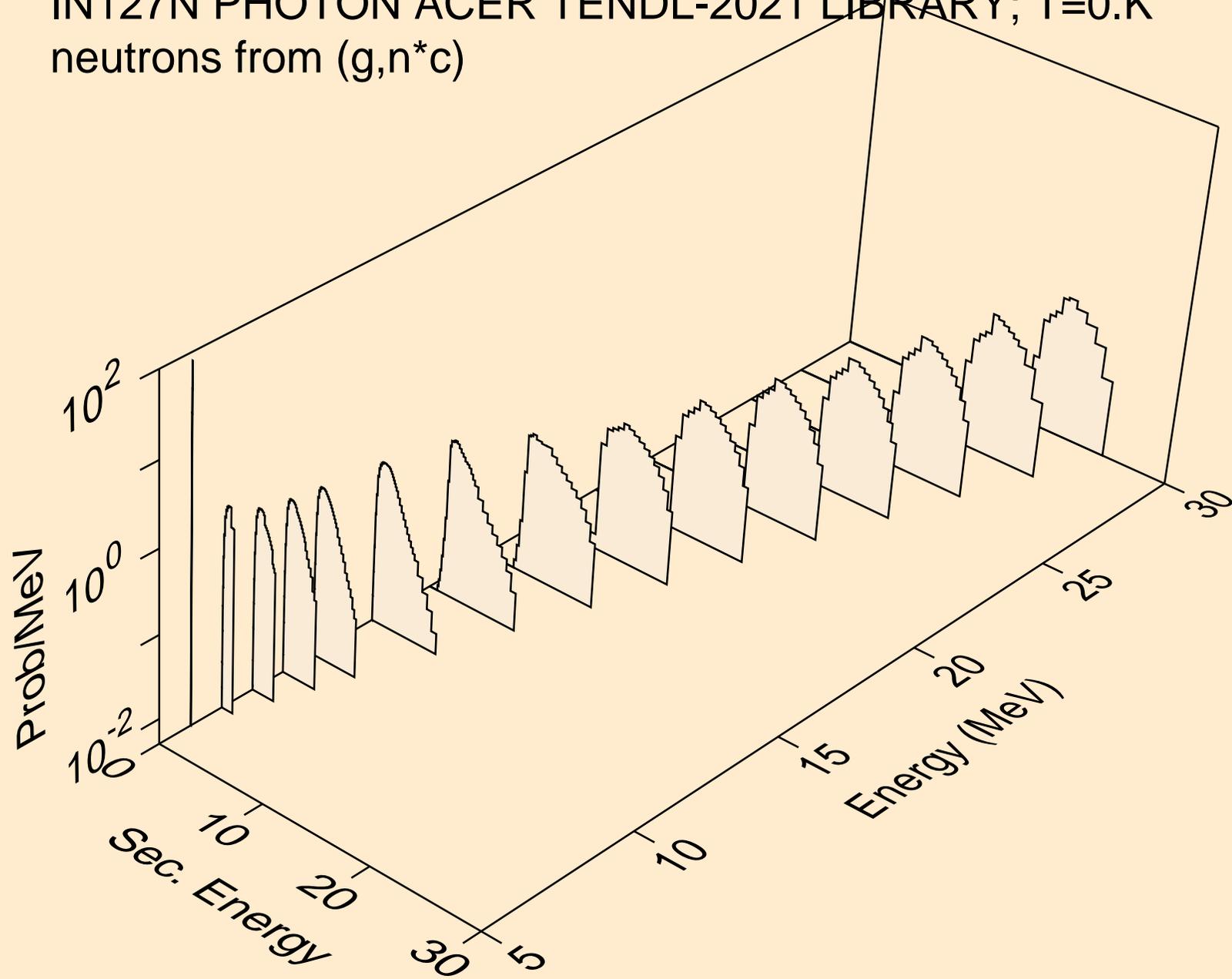IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,2np)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
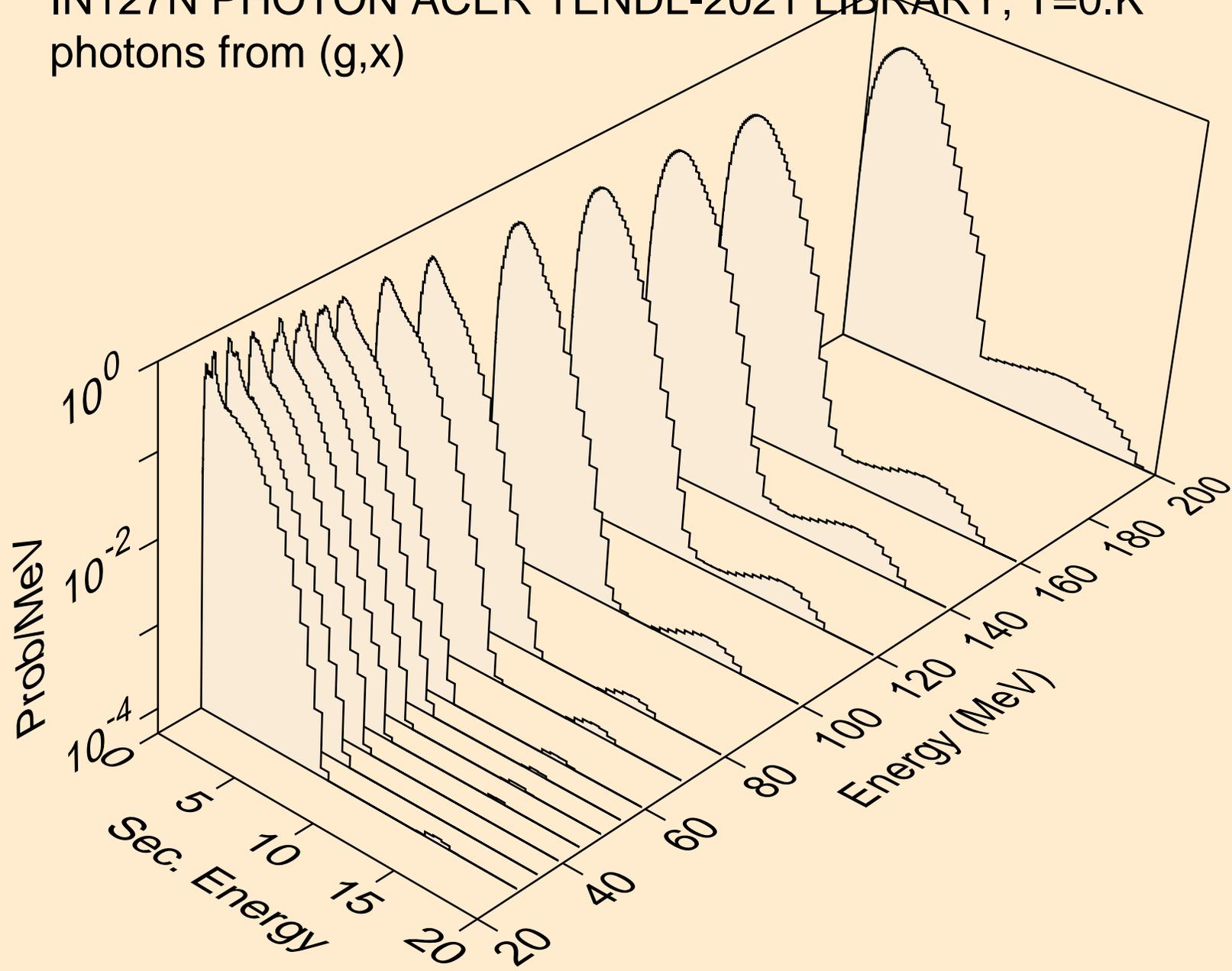angular distribution for (g,n*0) neutron

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for (g,n*1) neutron

ProbICos

Cosine

1.0 0.5 0.0 -0.5 -1.0
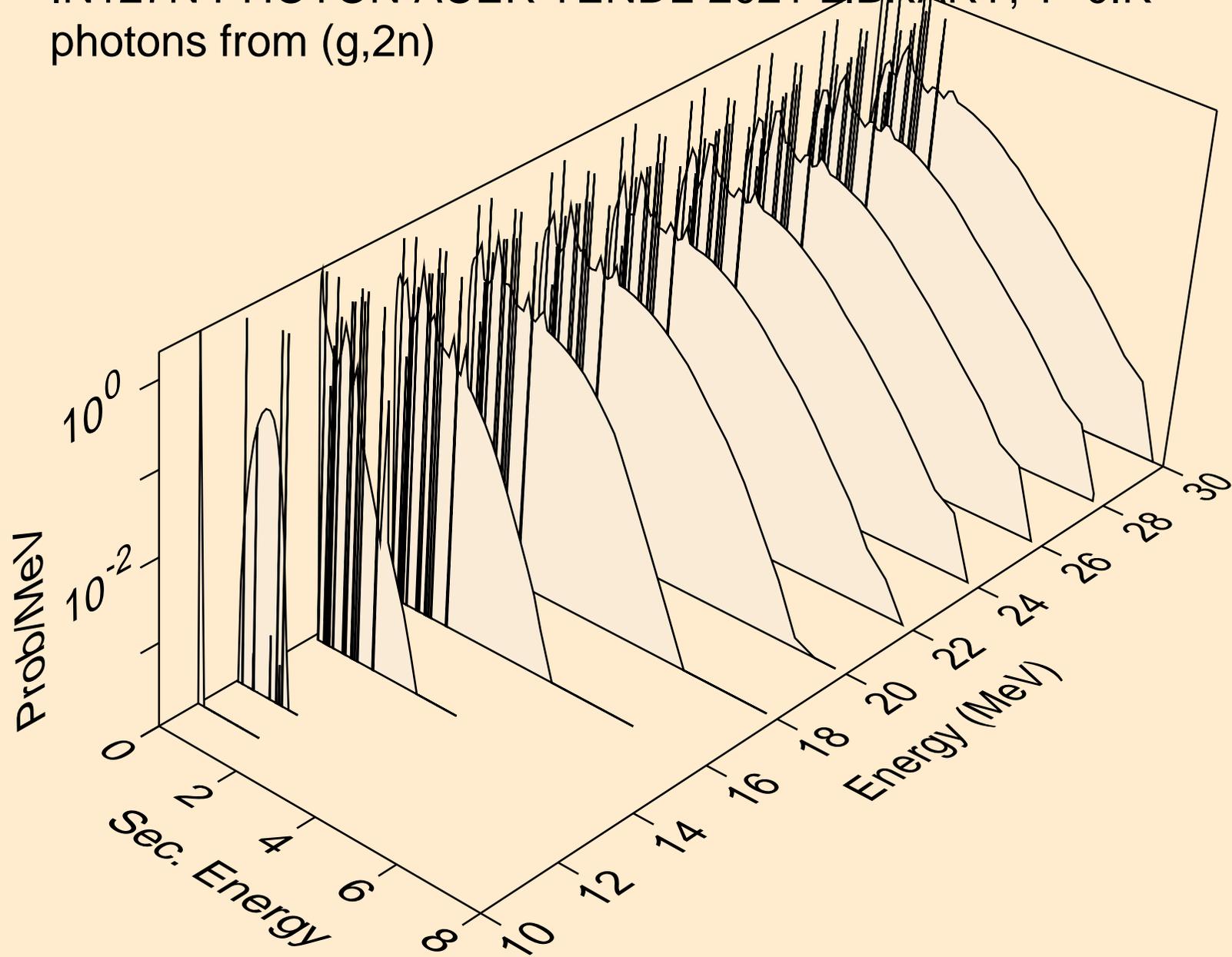
5 10 15 20 25 30

Energy (MeV)

10^0

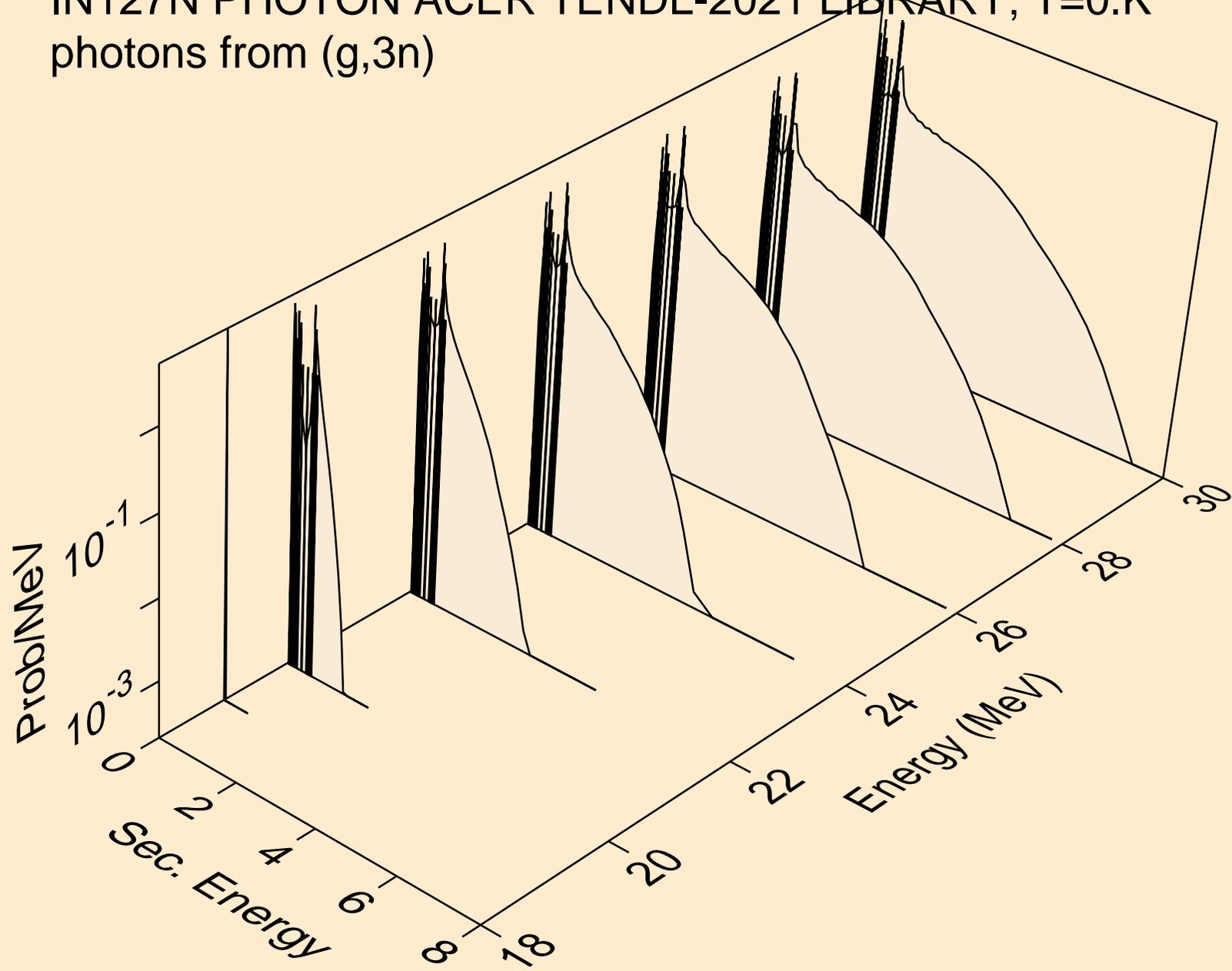IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,n*c)

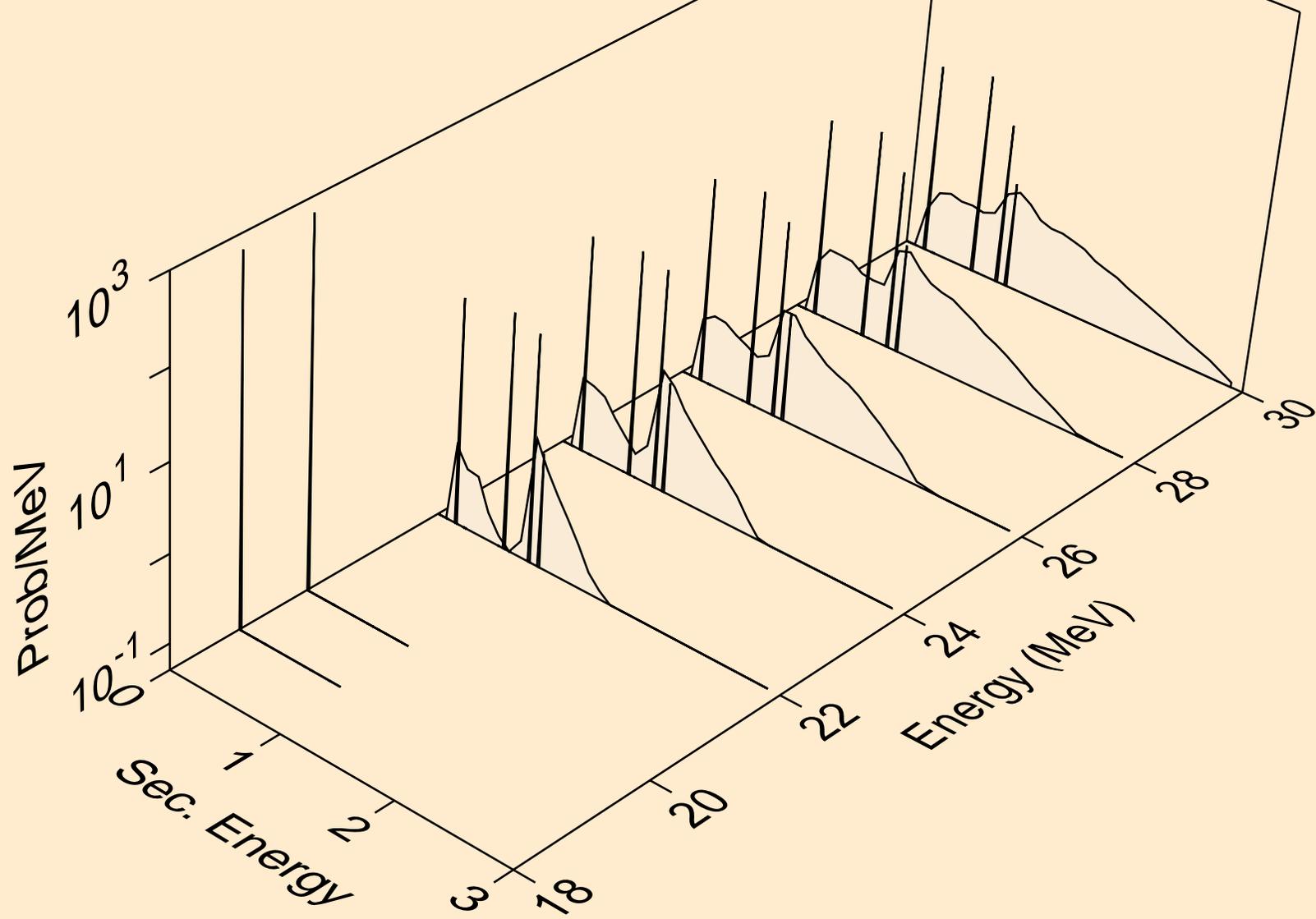IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,x)

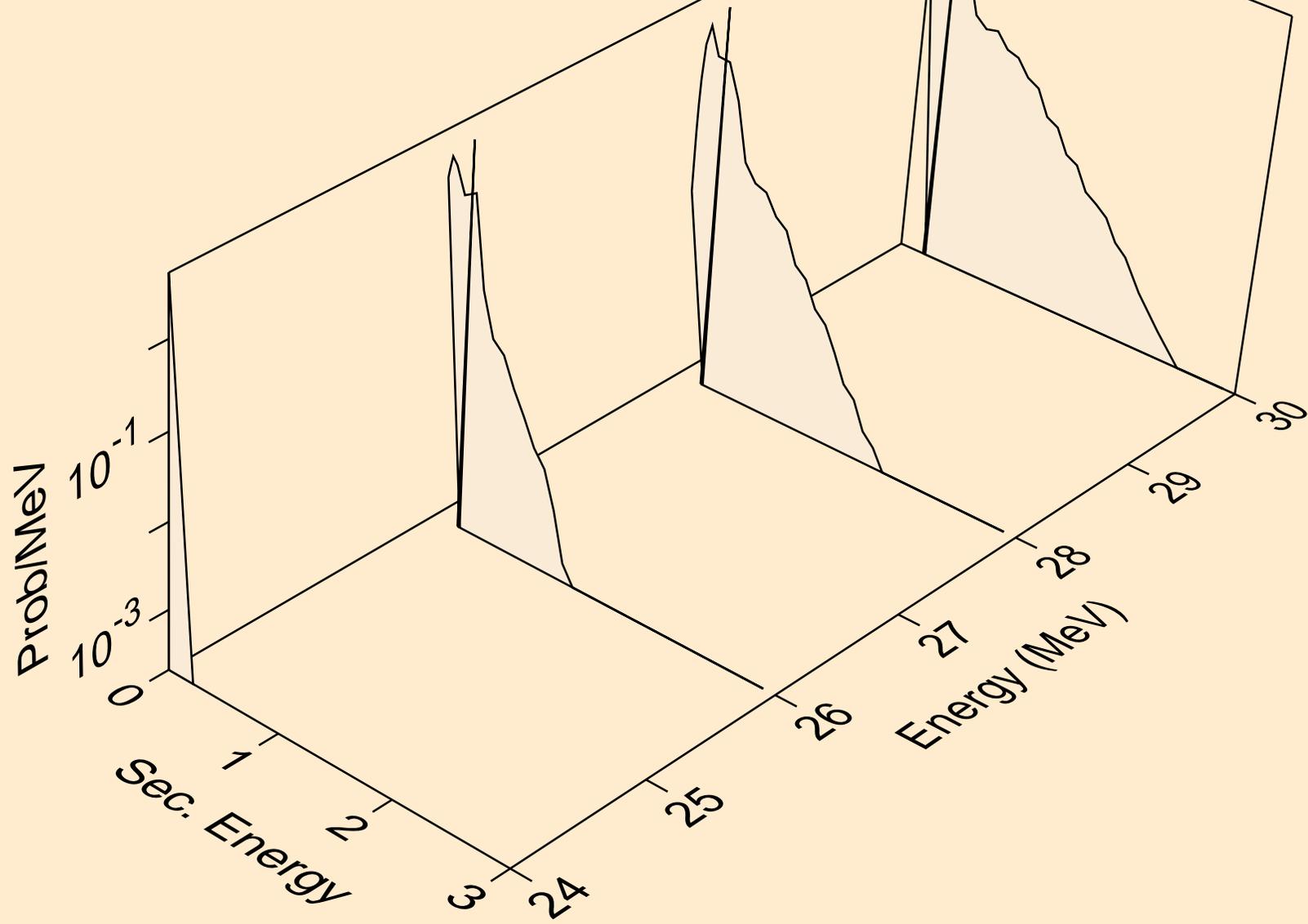IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2n)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
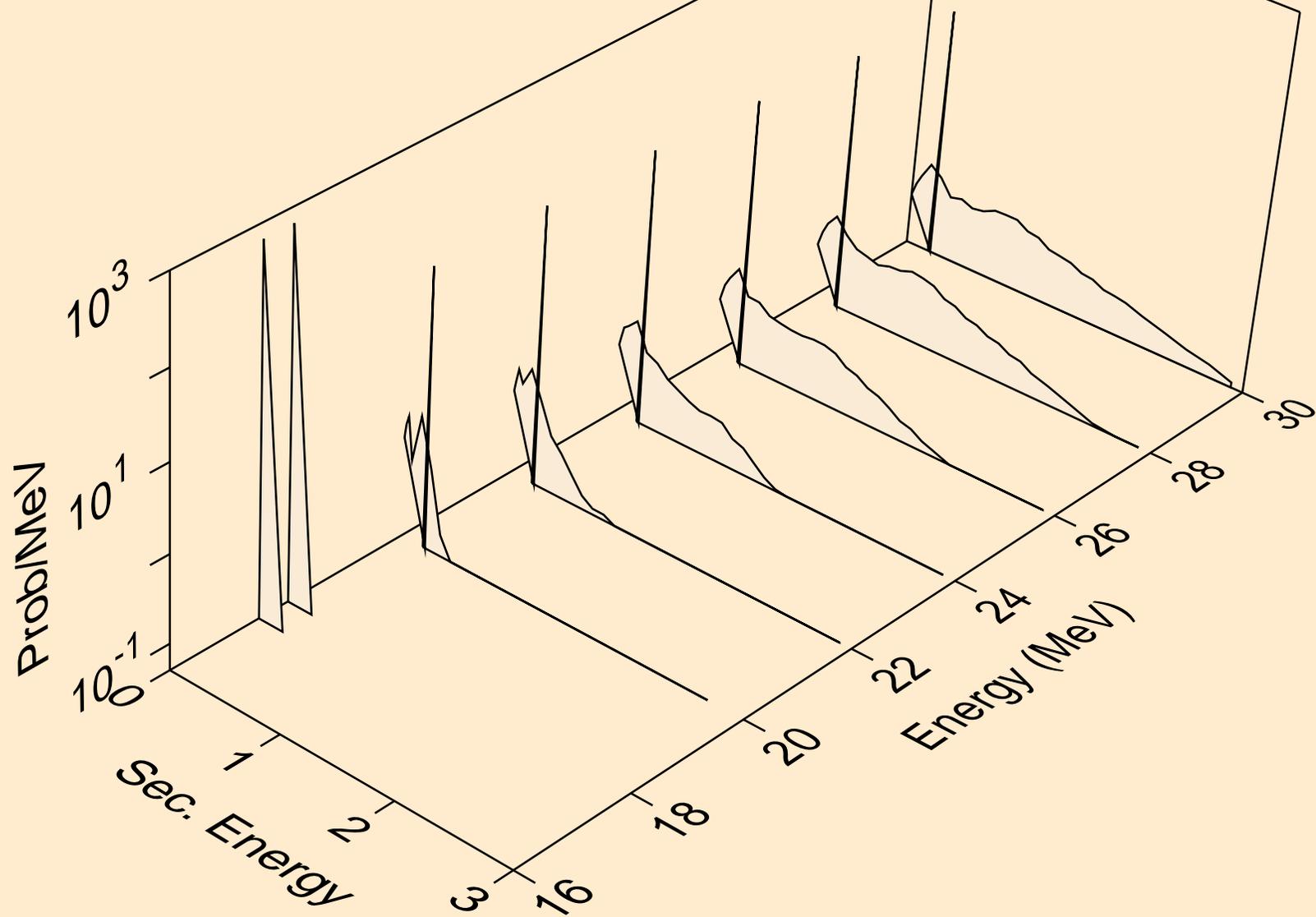photons from (g,3n)

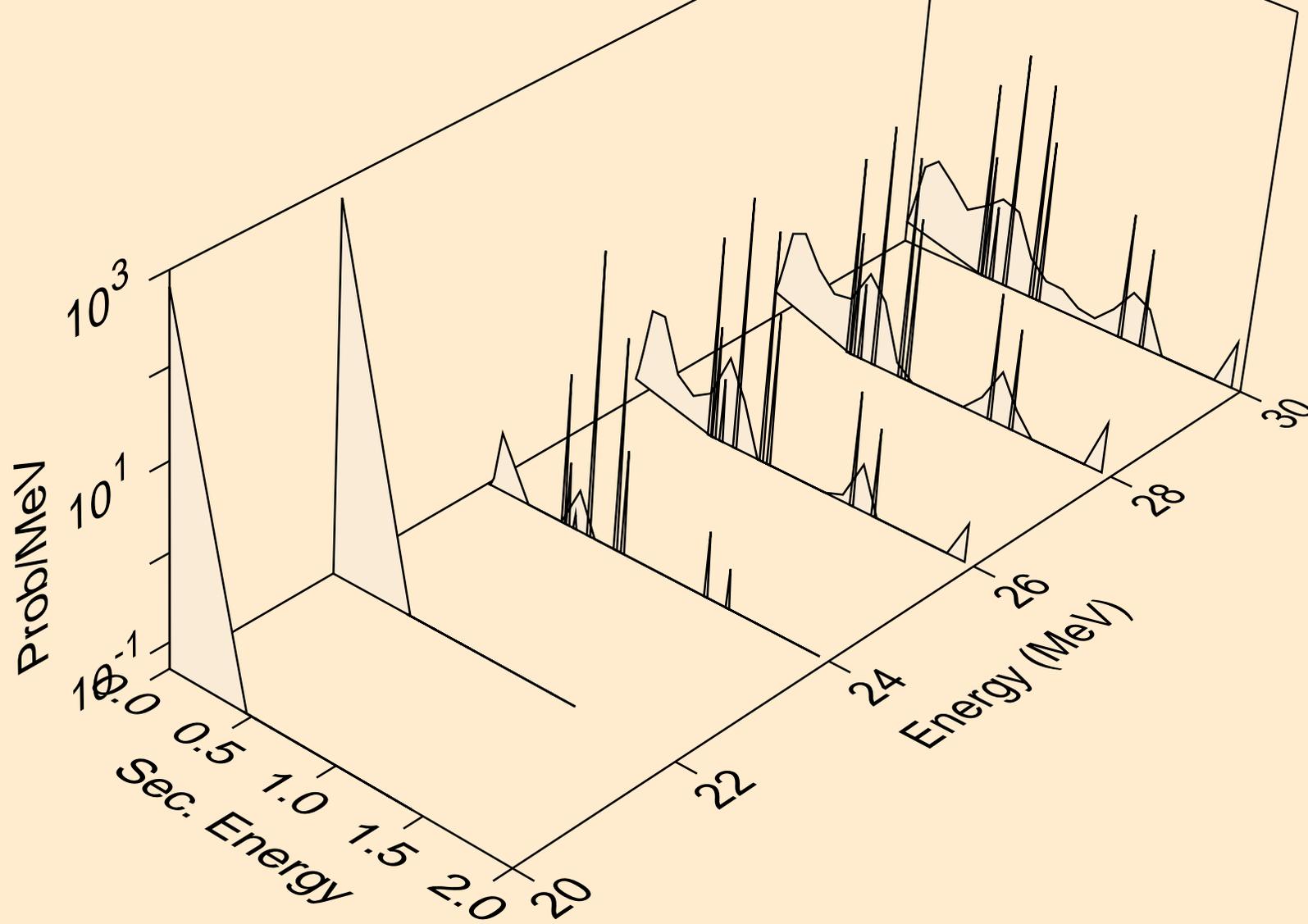IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)a

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2n)a

ProbMeV

10^{-1}

10^{-3}

Sec. Energy

Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)p

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)d

Prob/MeV

10^3

10^1

10^{-1}

Sec. Energy

0.0 0.5 1.0 1.5 2.0

Energy (MeV)

20 22 24 26 28 30

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)t

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,4n)

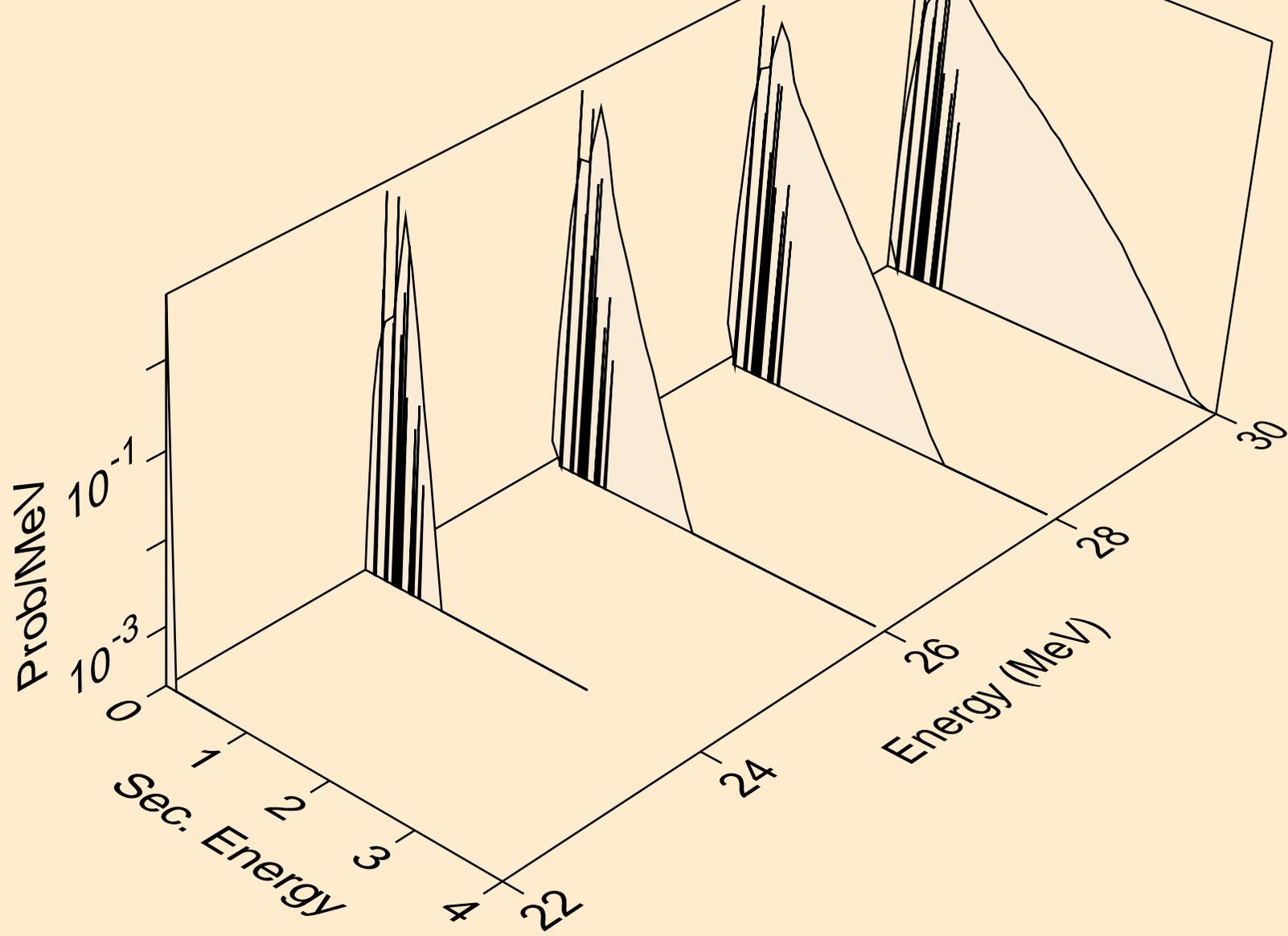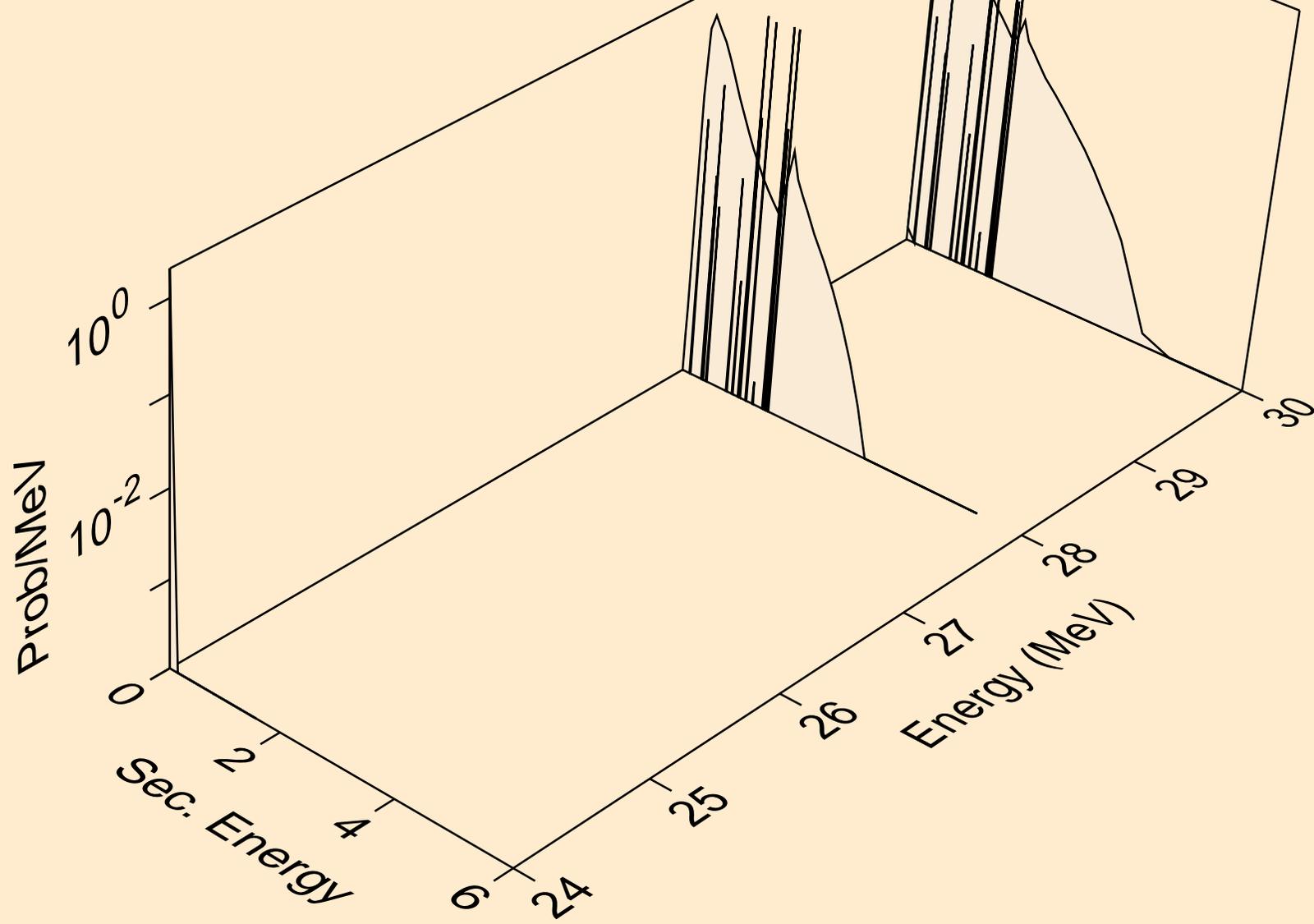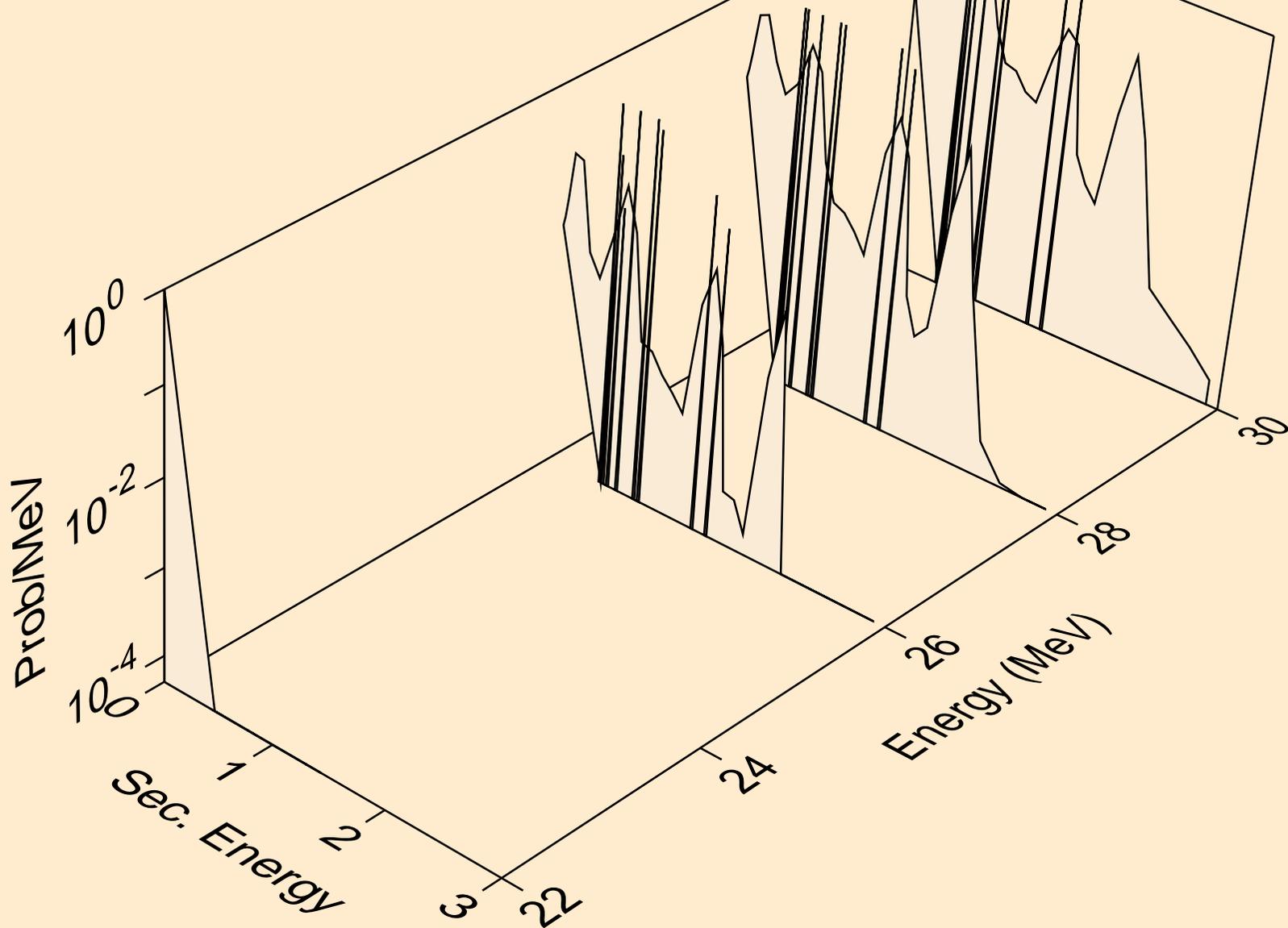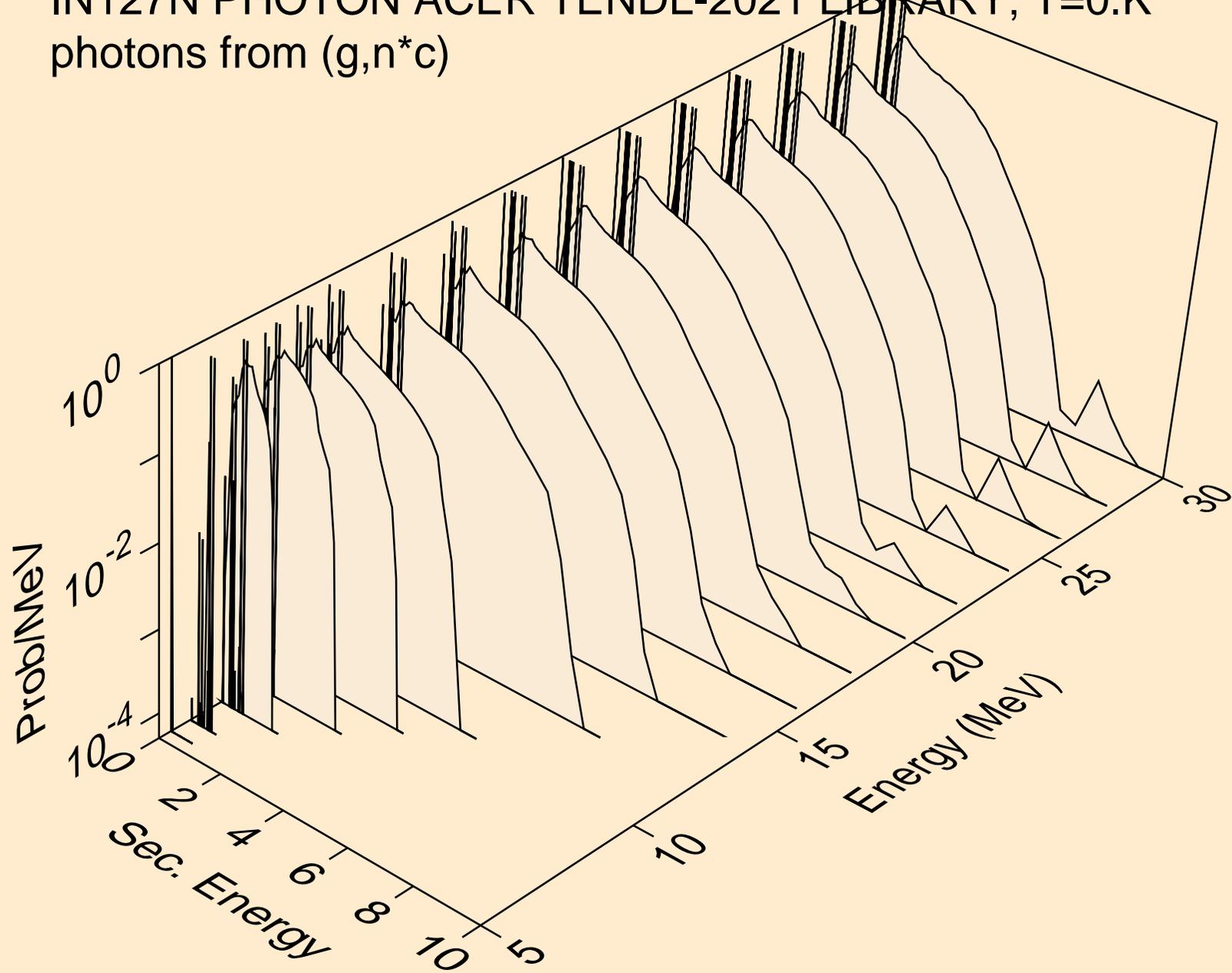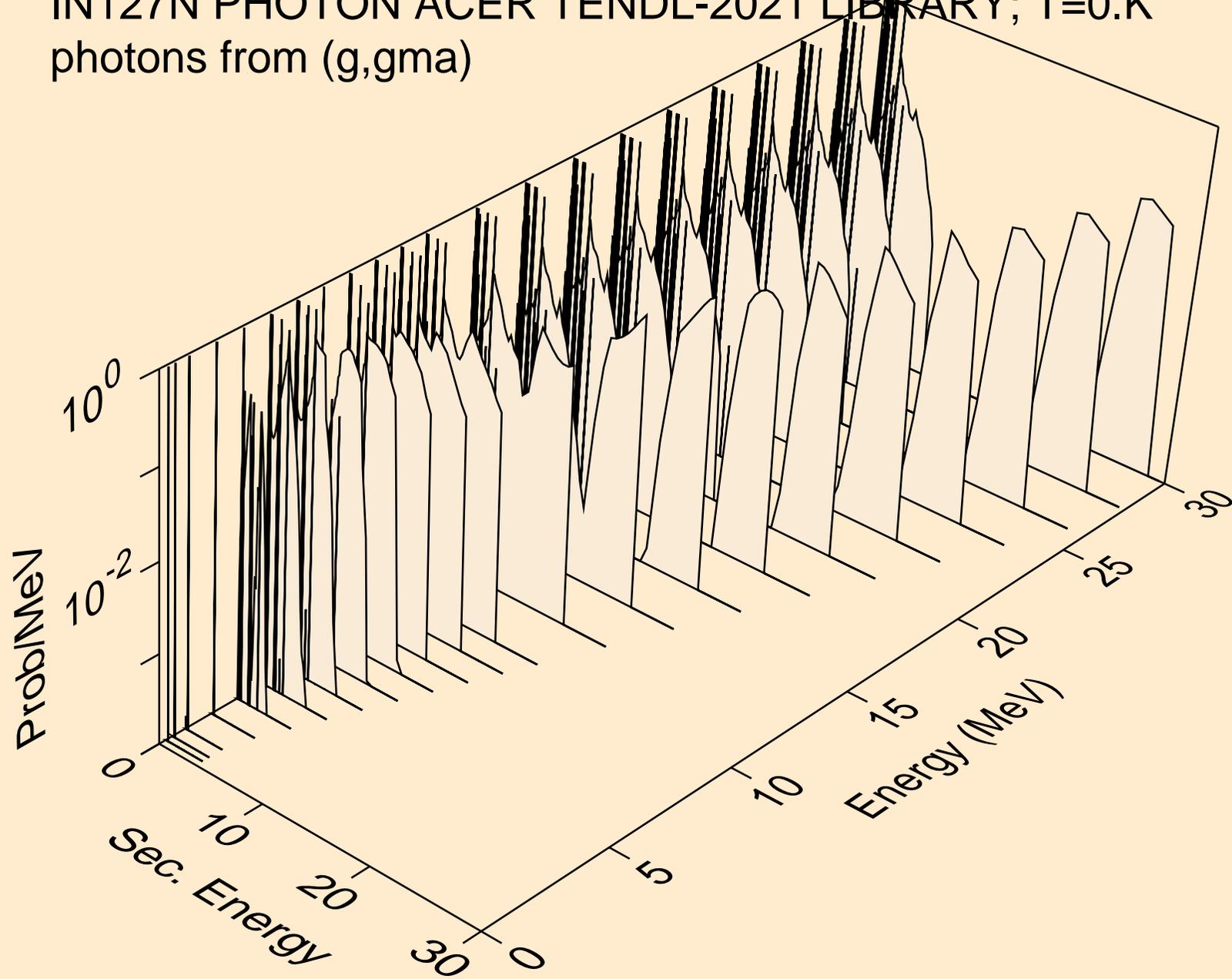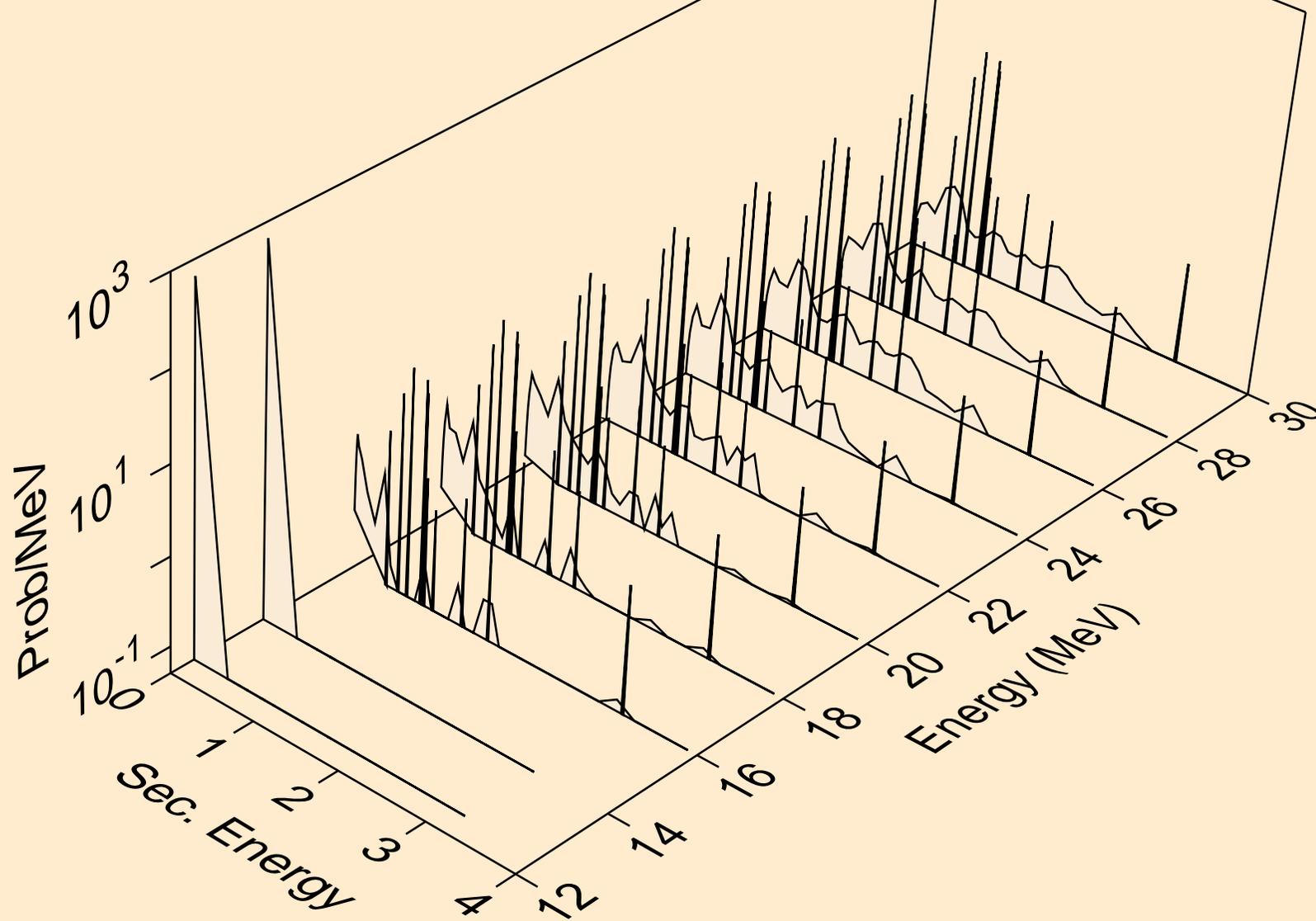IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2np)

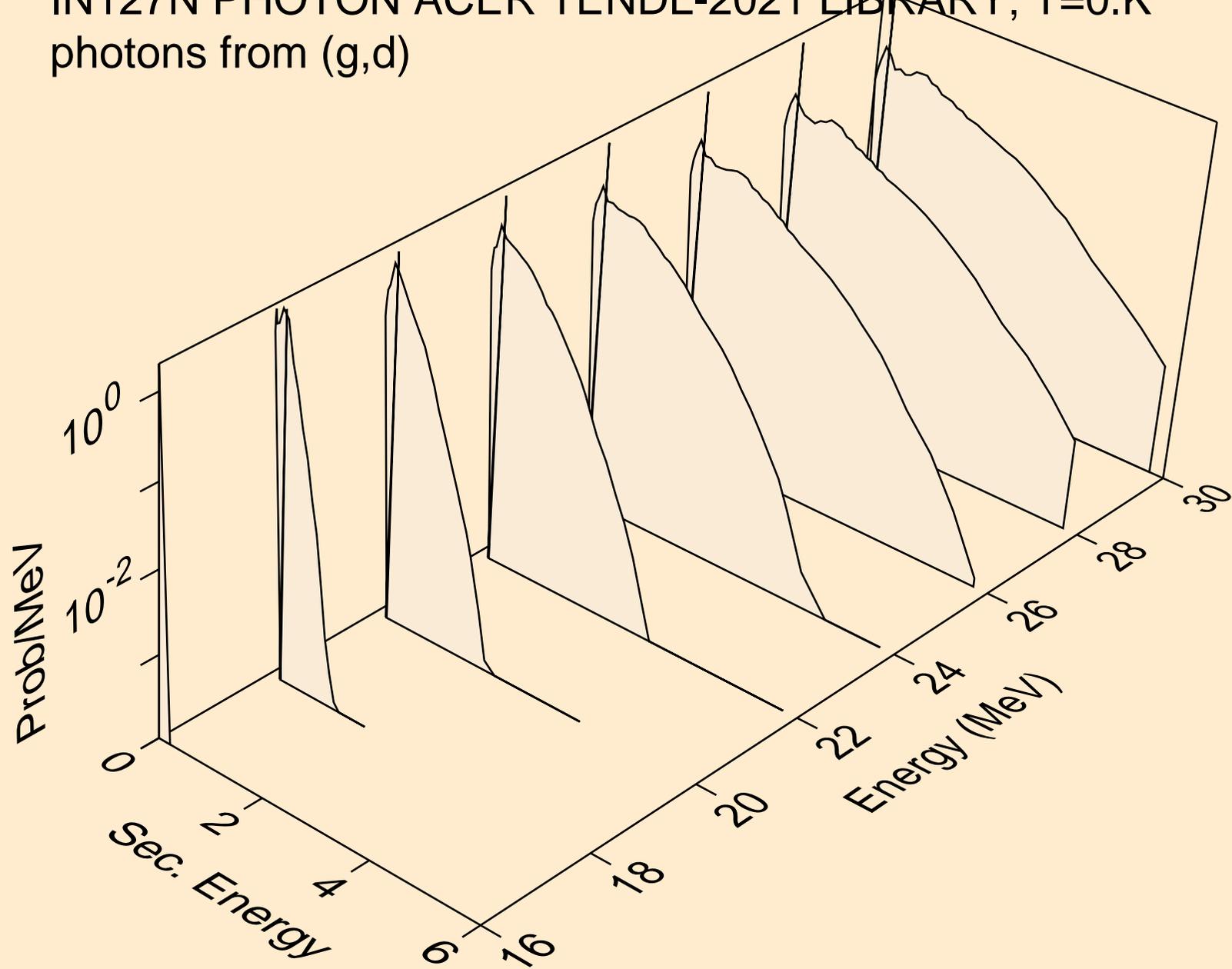IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*c)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
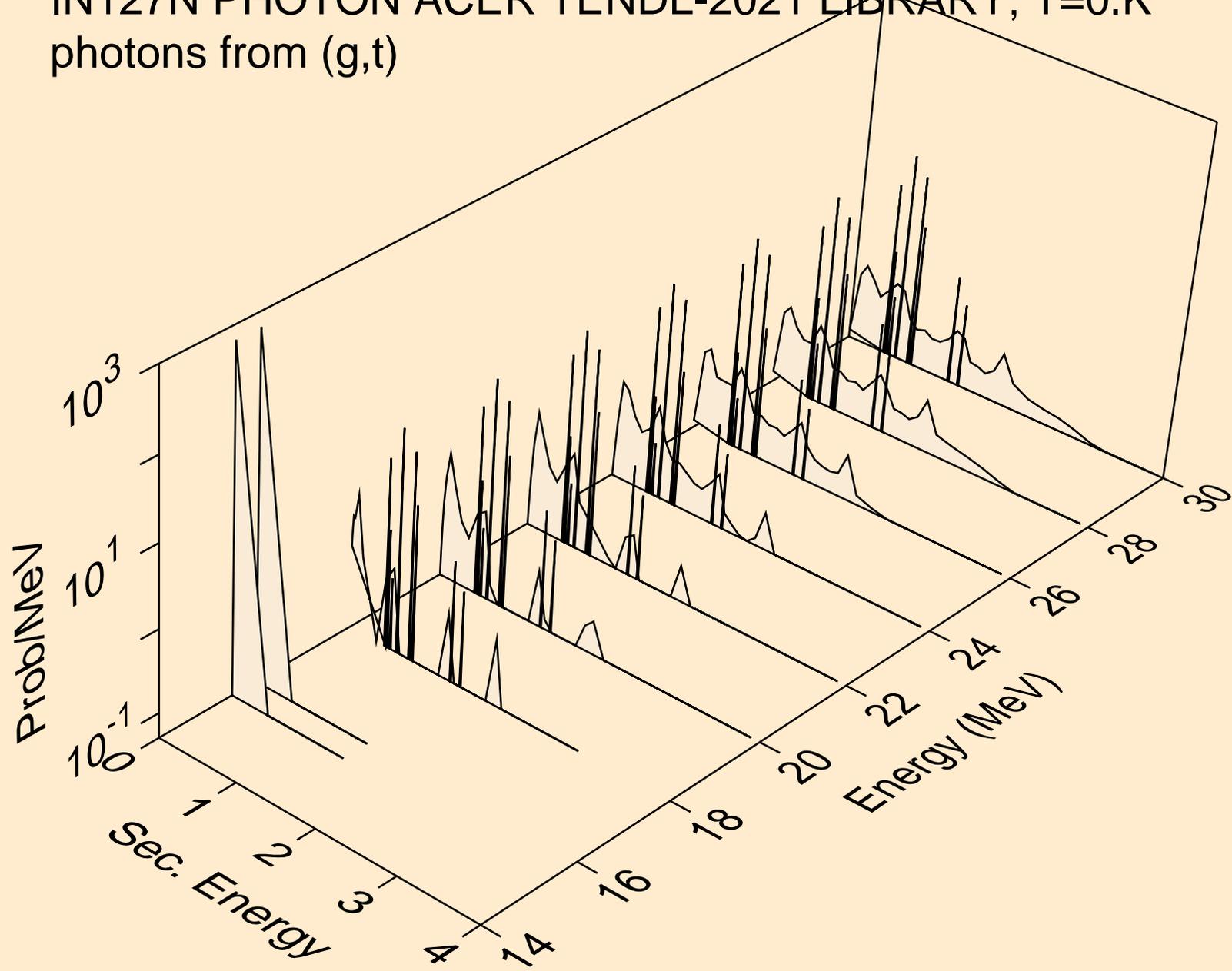photons from (g,gma)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
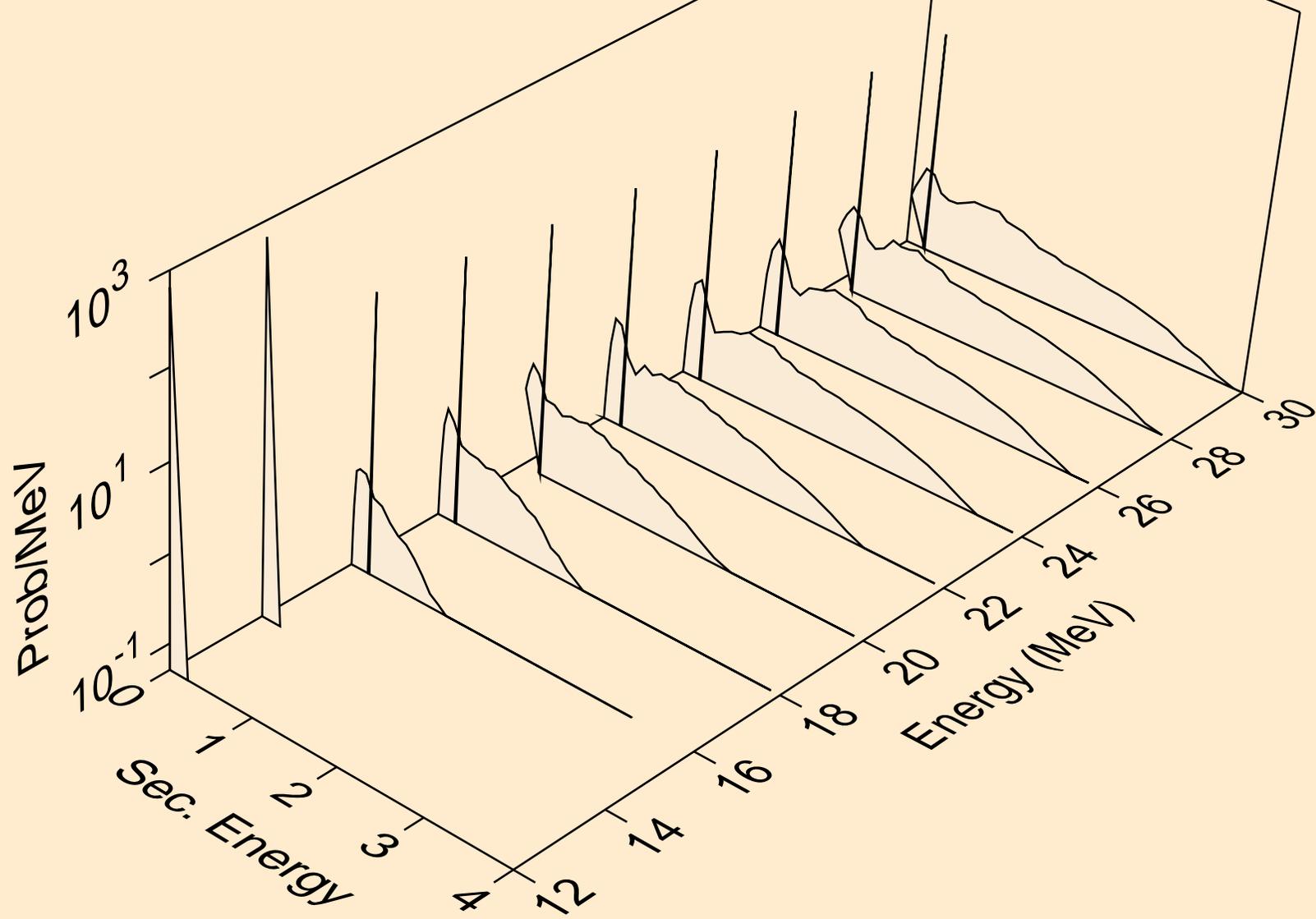photons from (g,p)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
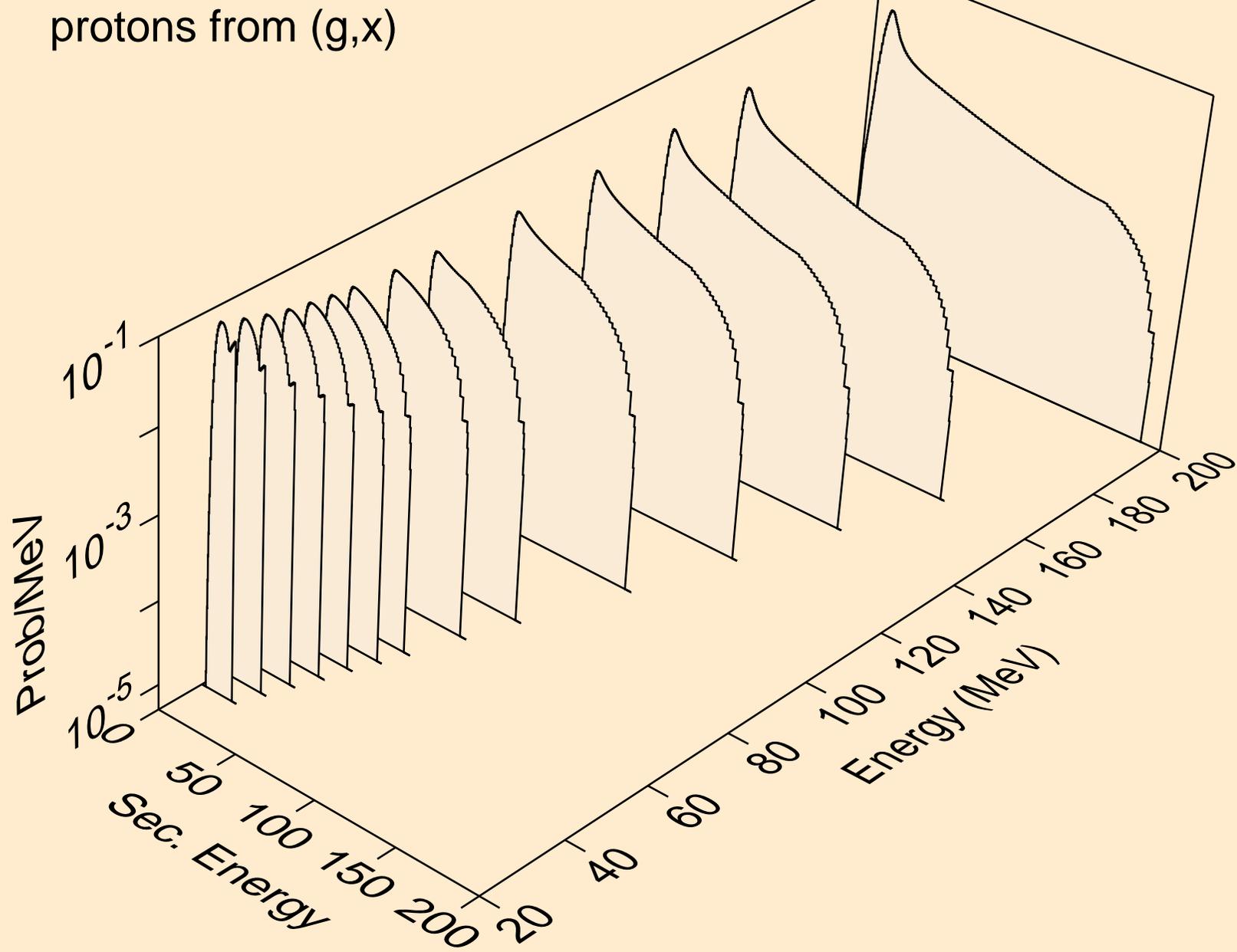photons from (g,d)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
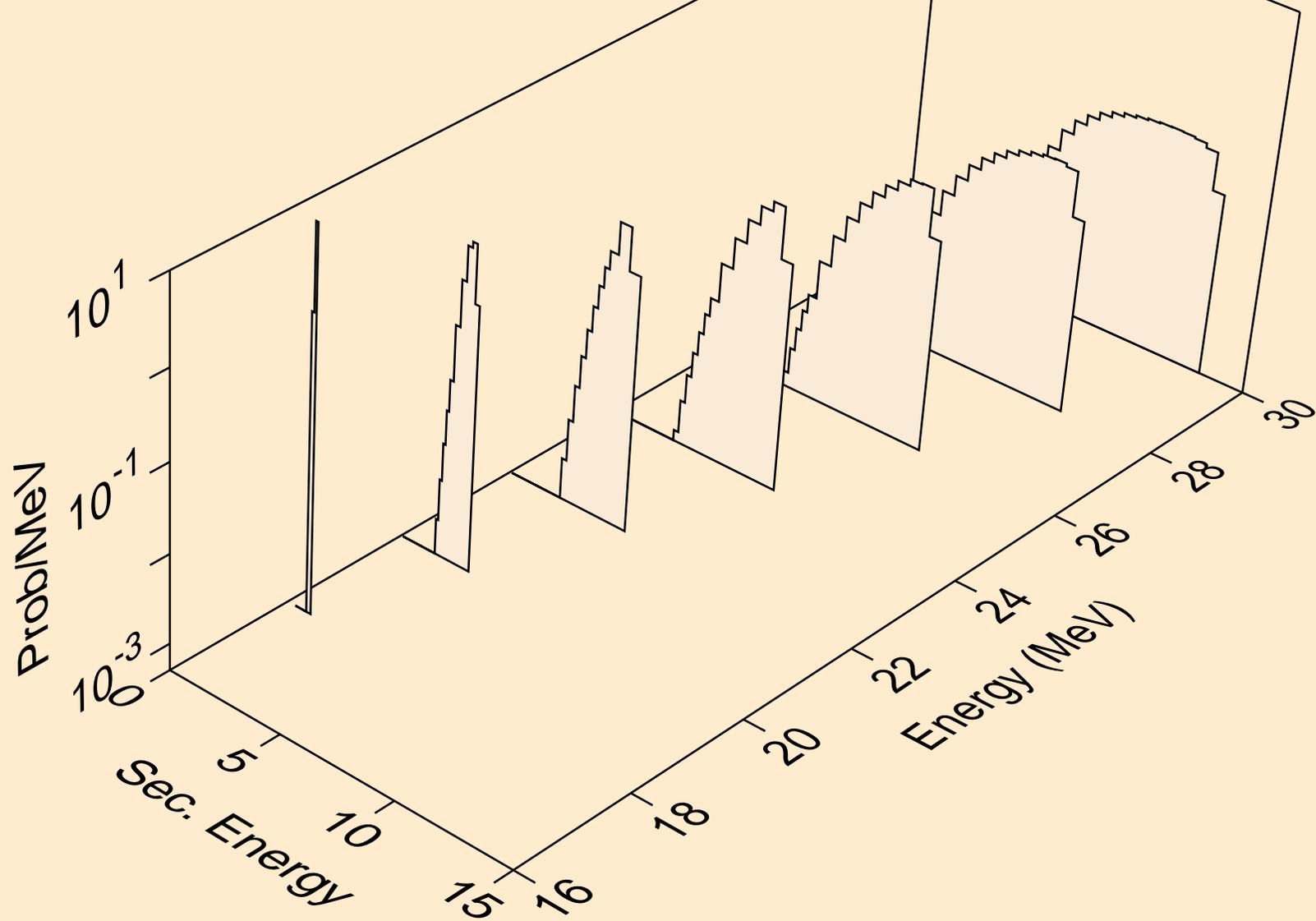photons from (g,t)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
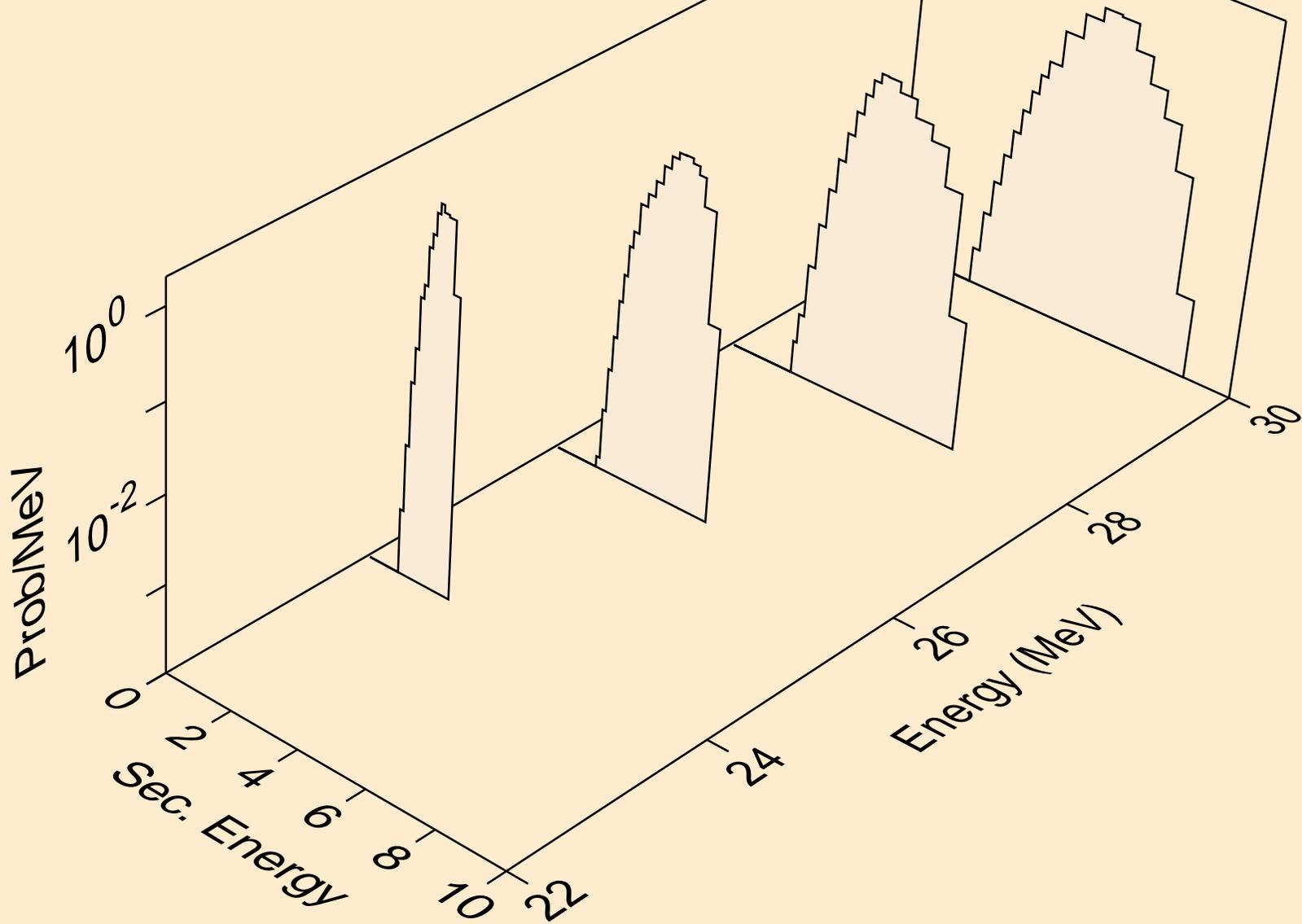photons from (g,a)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
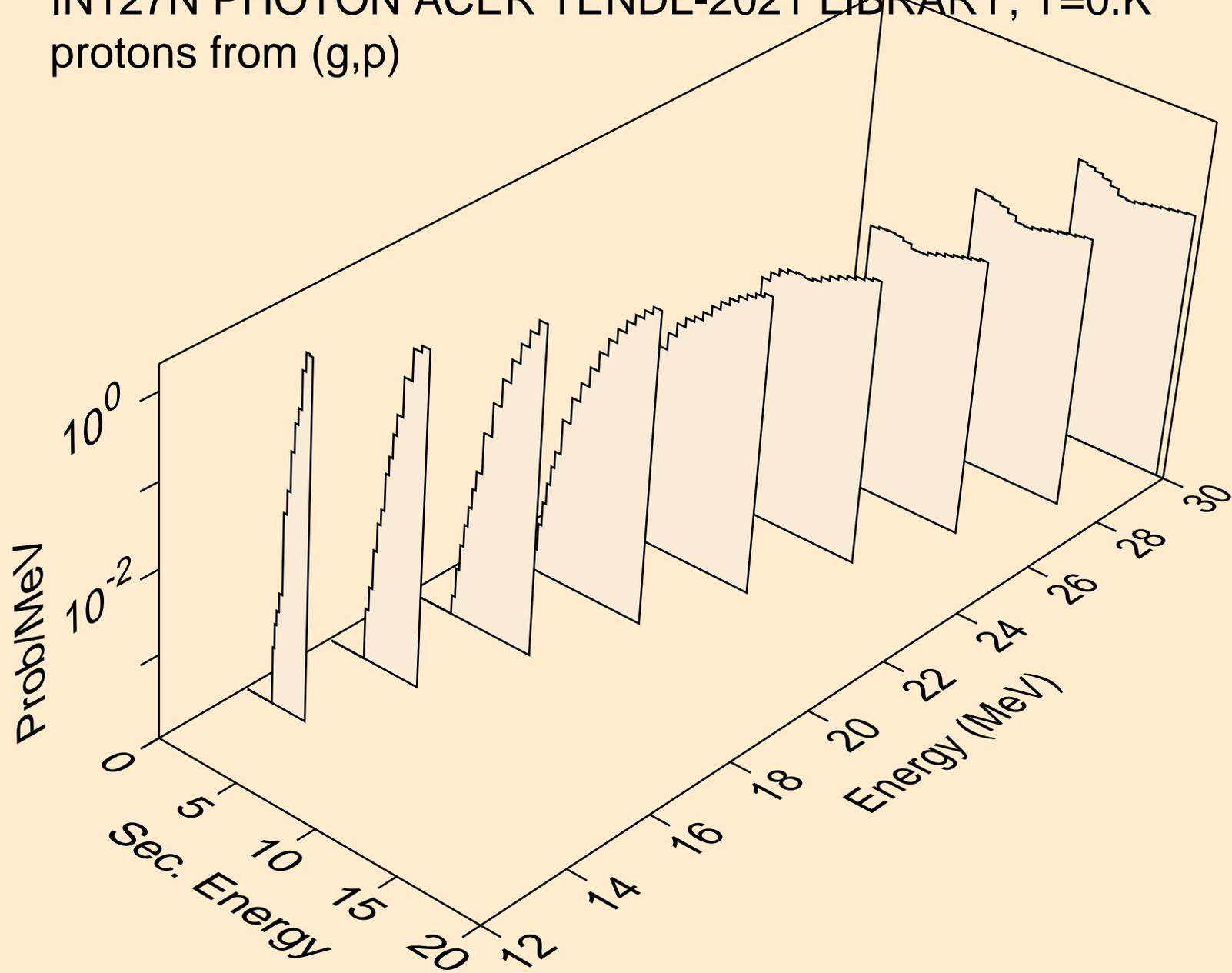protons from (g,x)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
protons from (g,n*)p

ProbIMeV
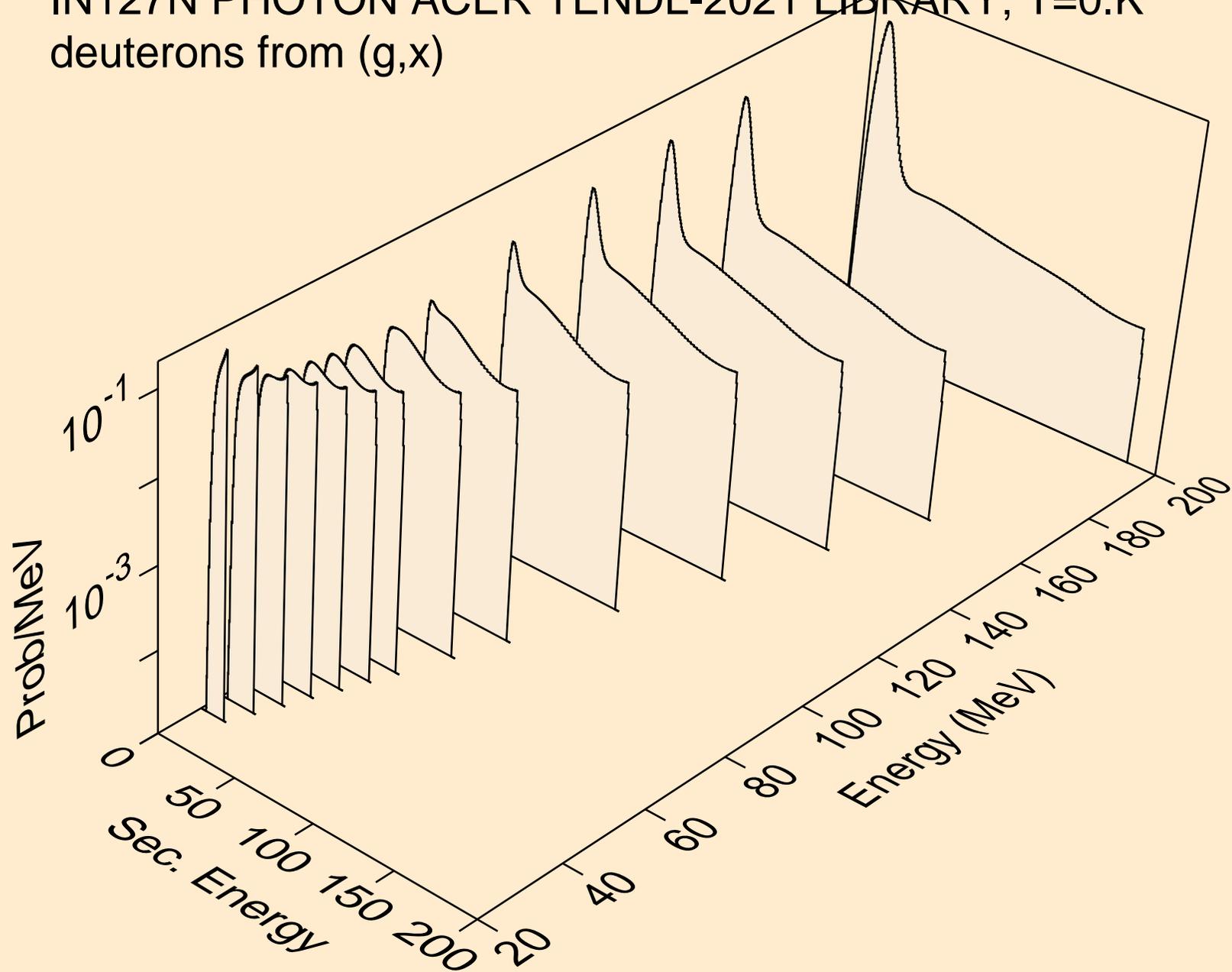
Sec. Energy

Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
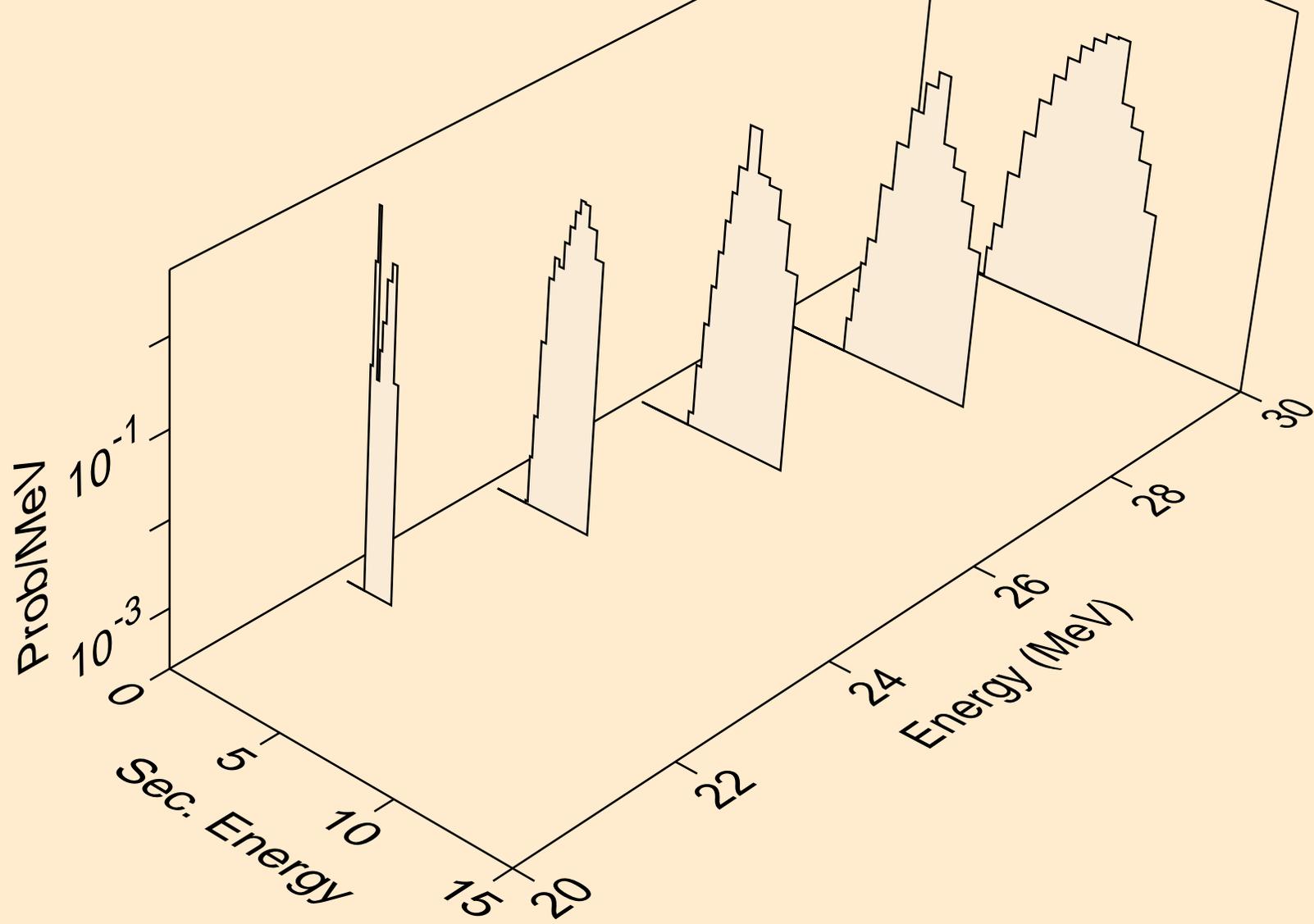protons from (g,2np)

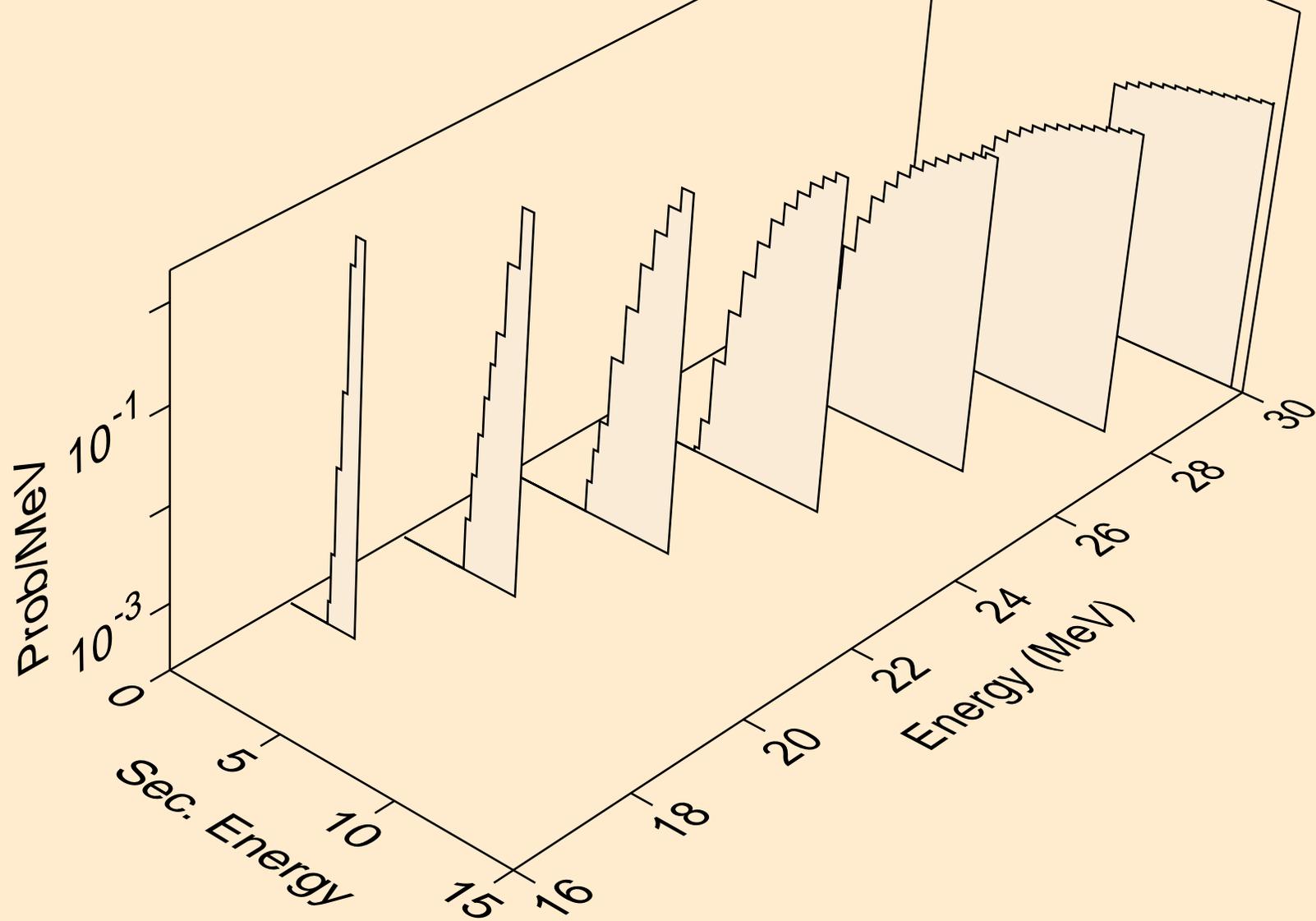IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
protons from (g,p)

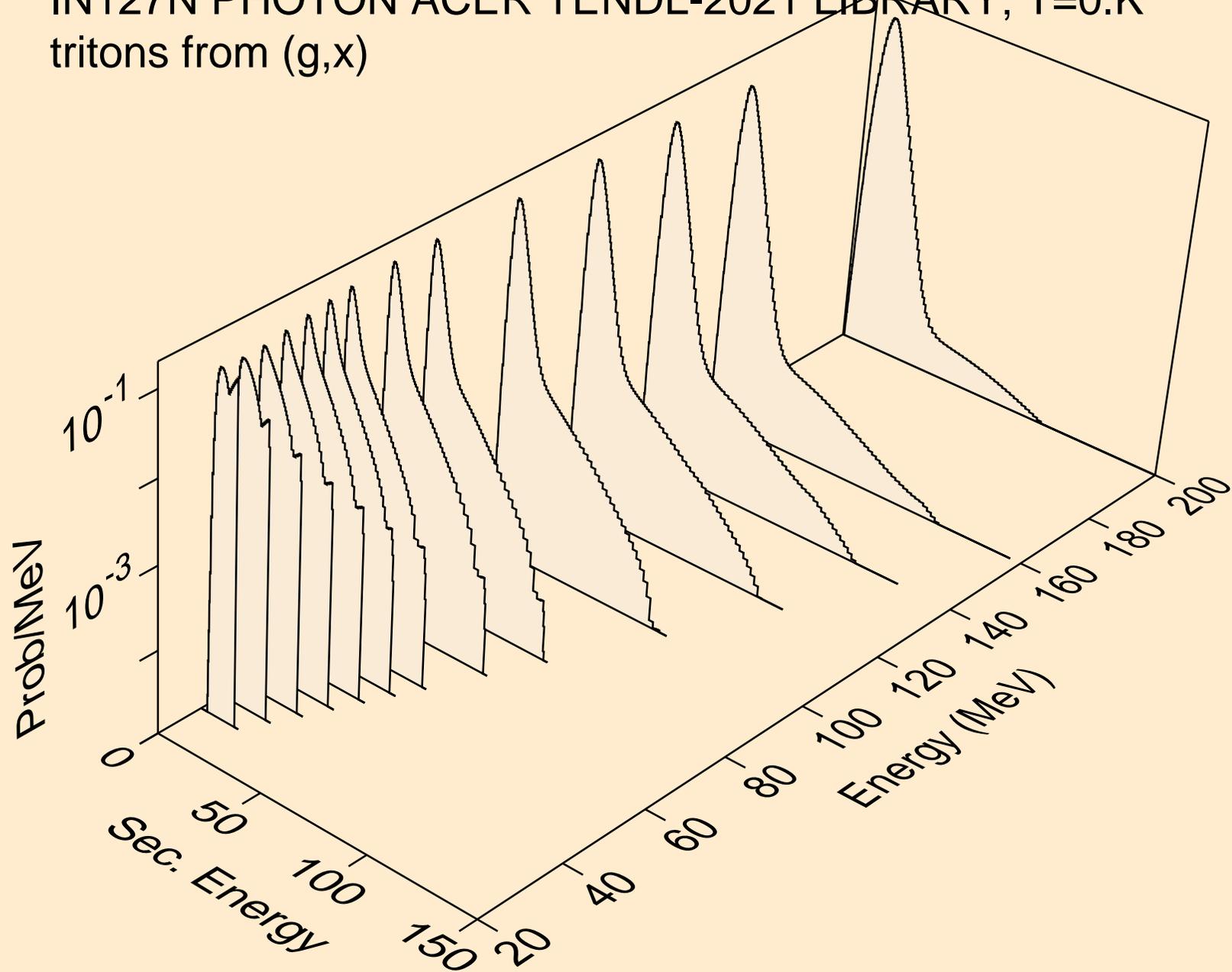IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (g,x)

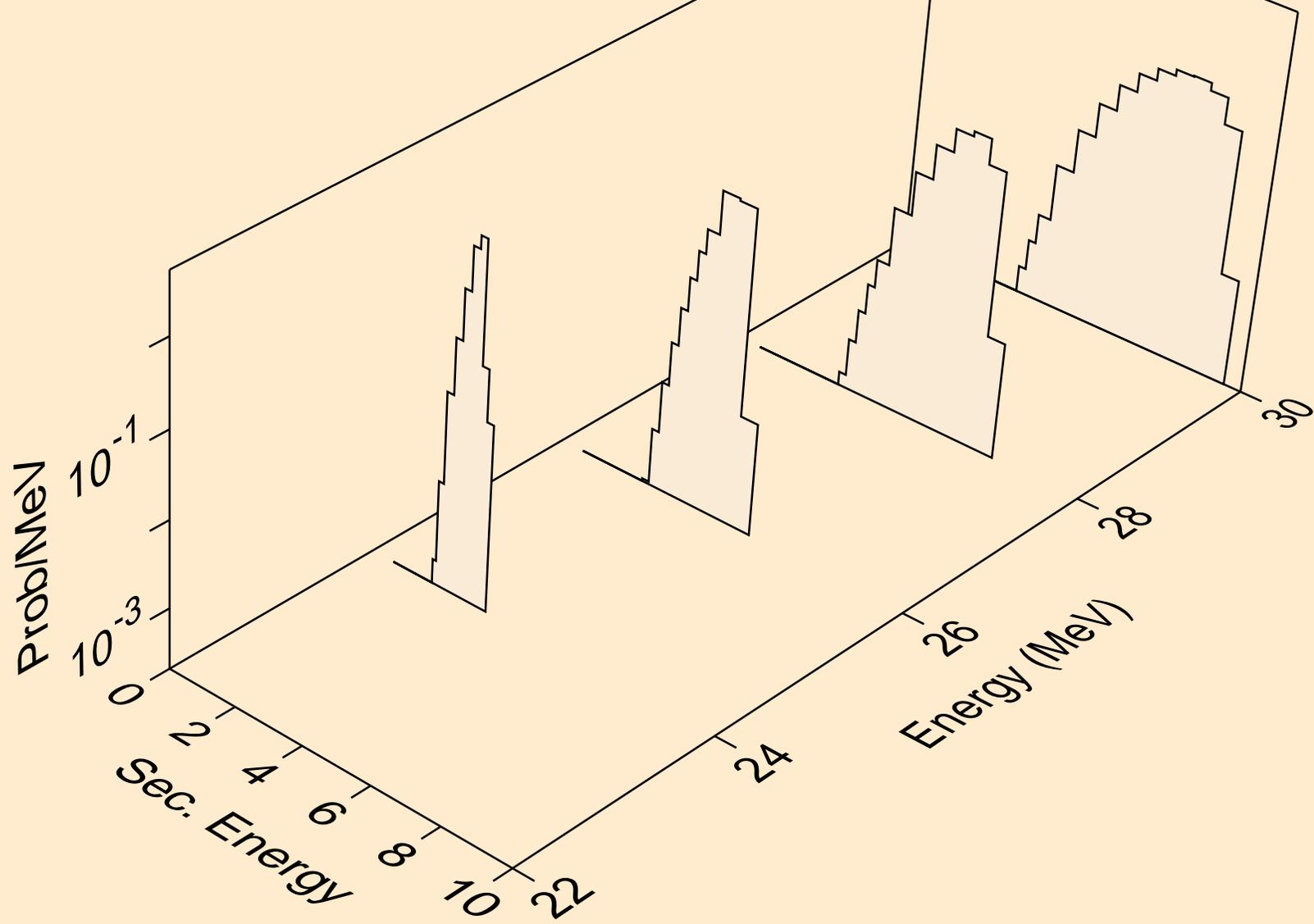IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (g,n*)d

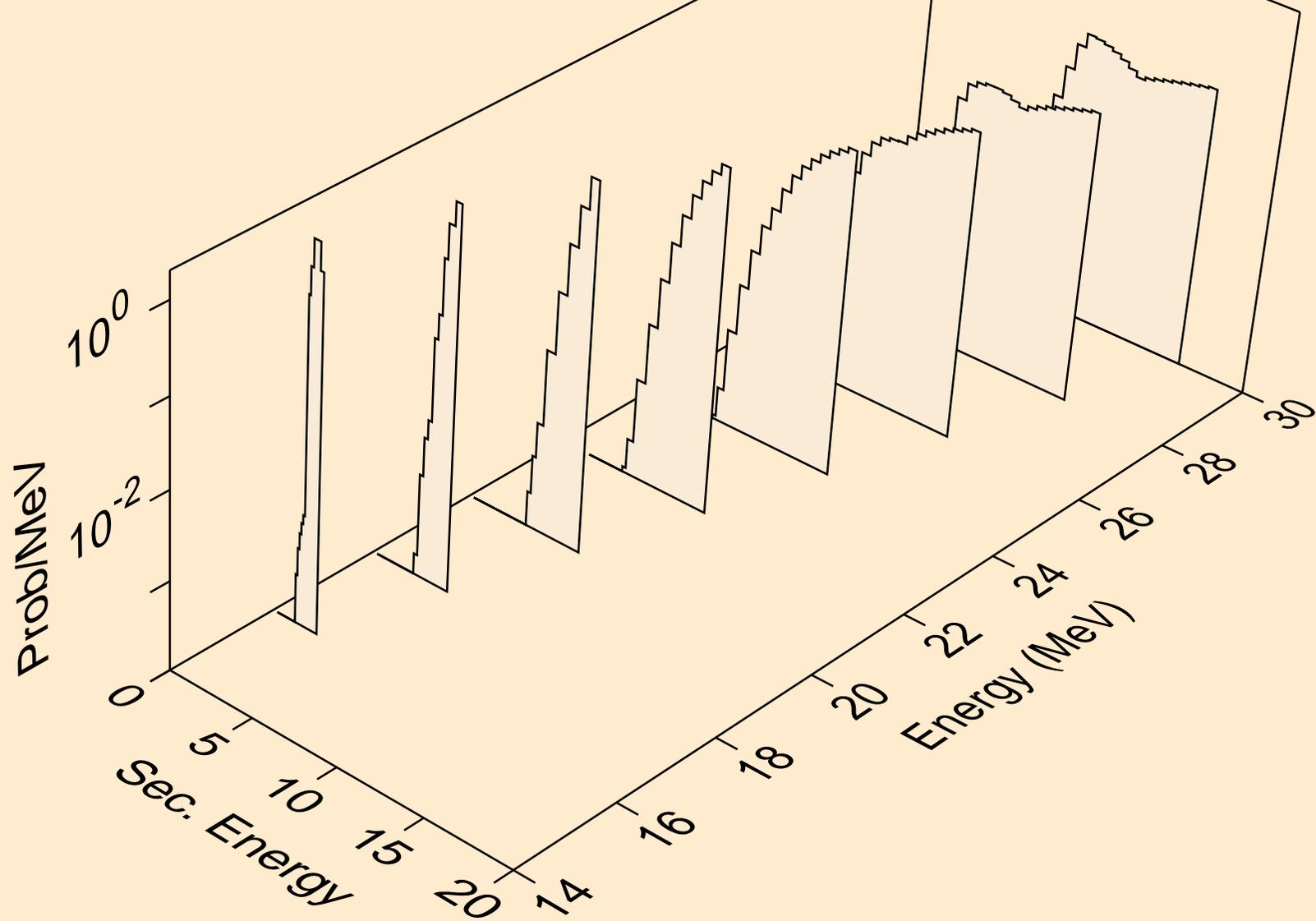IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (g,d)

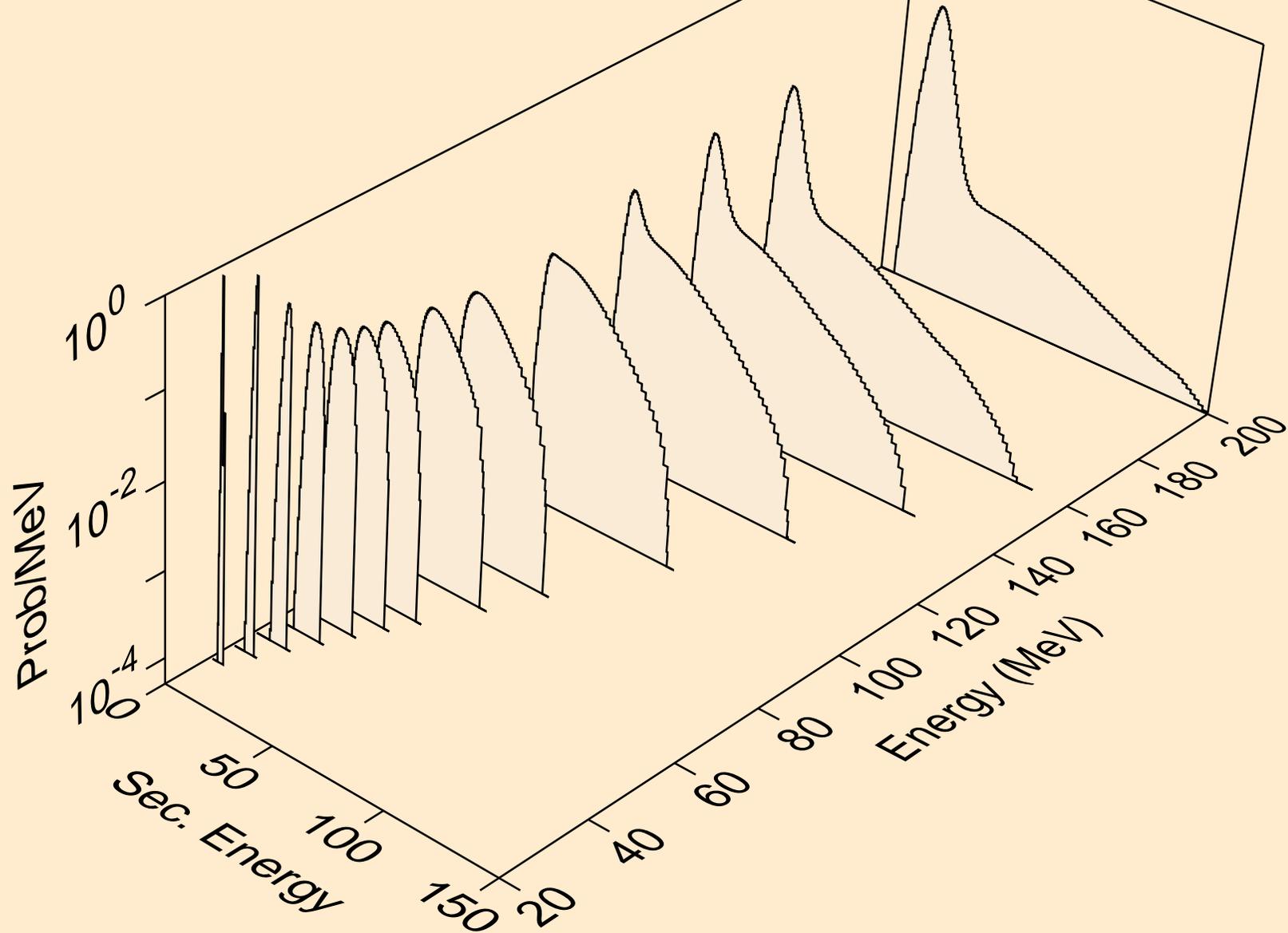IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
tritons from (g,x)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
tritons from (g,n*)t

ProbIMeV
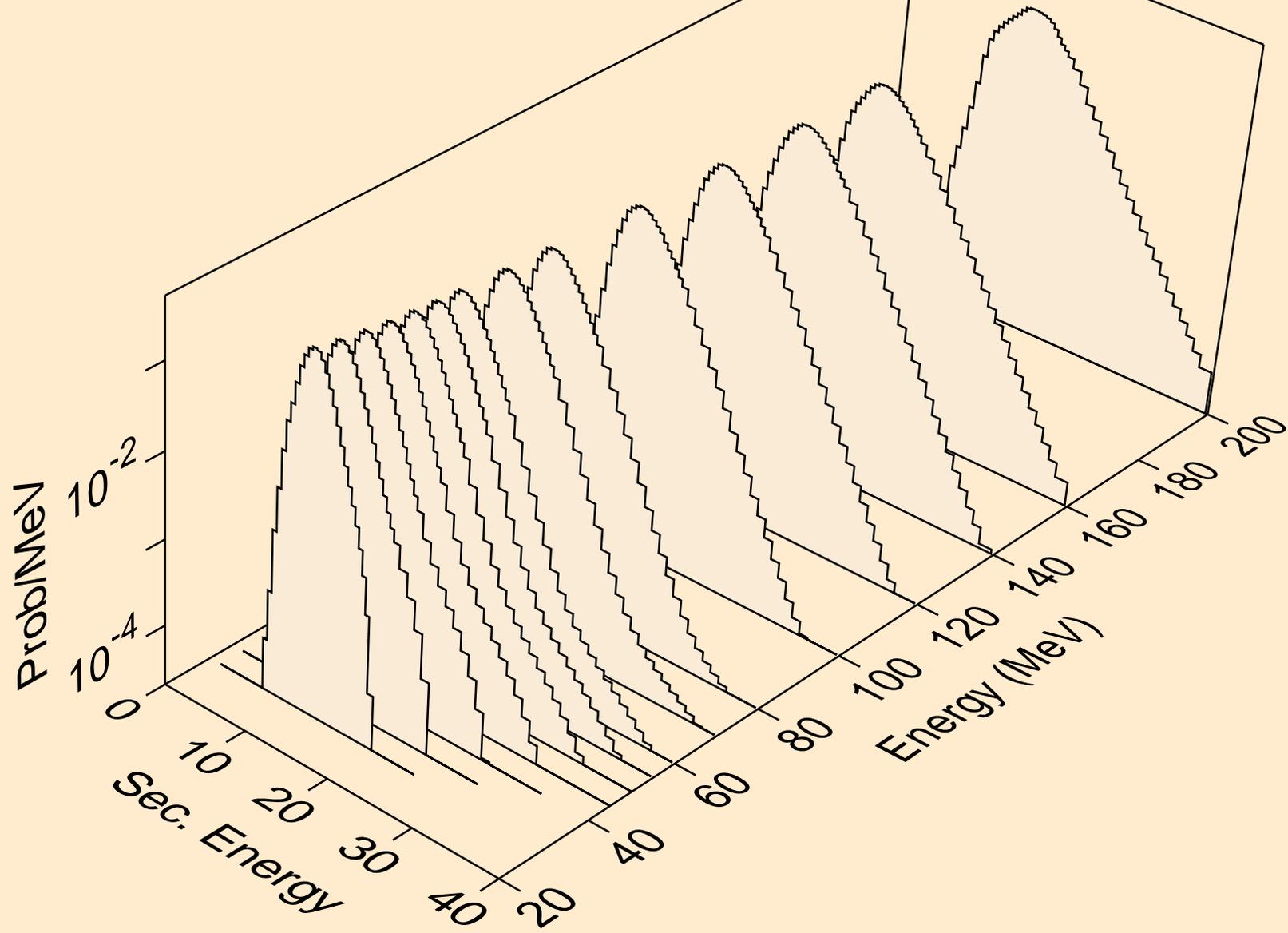
Sec. Energy

Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
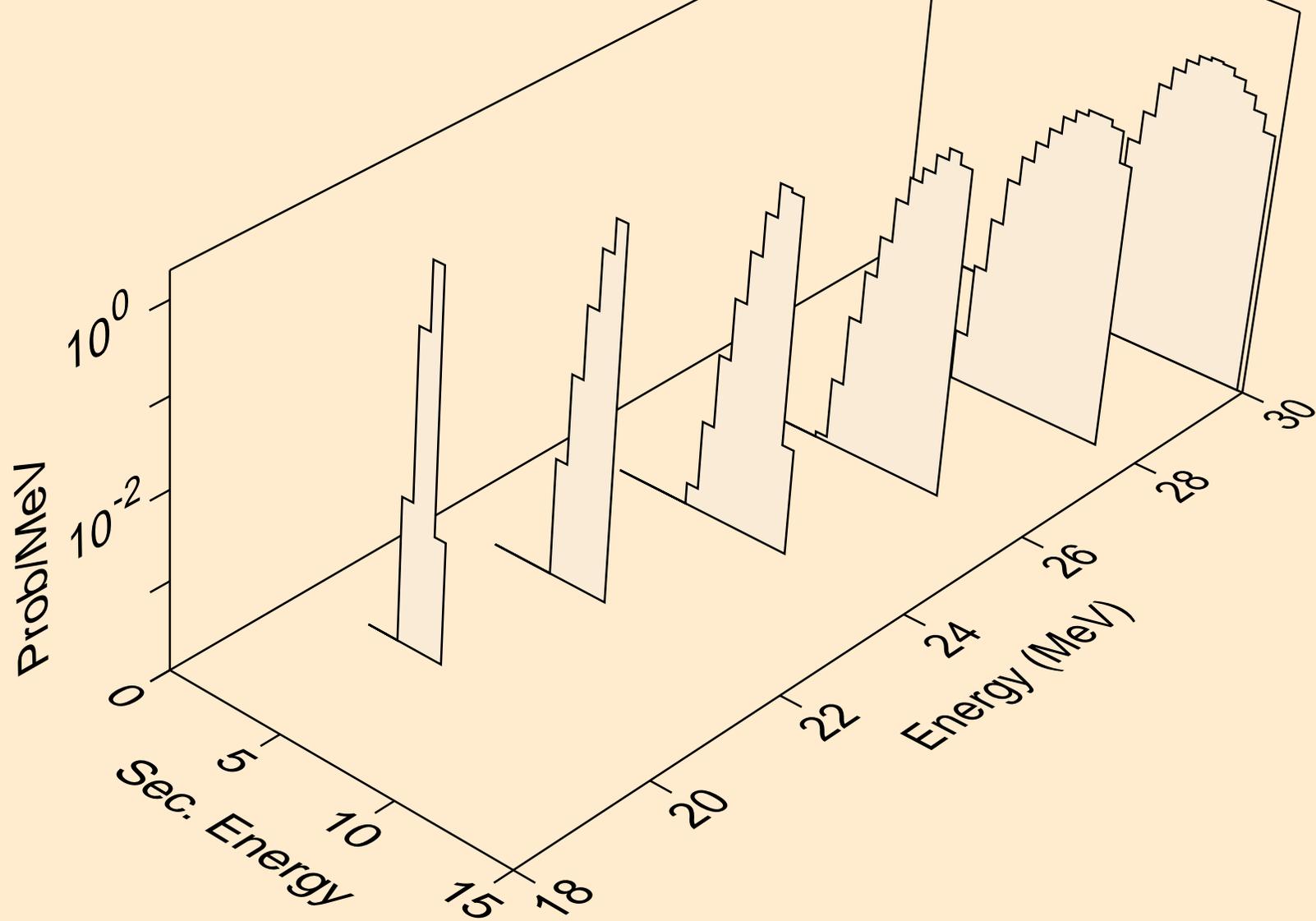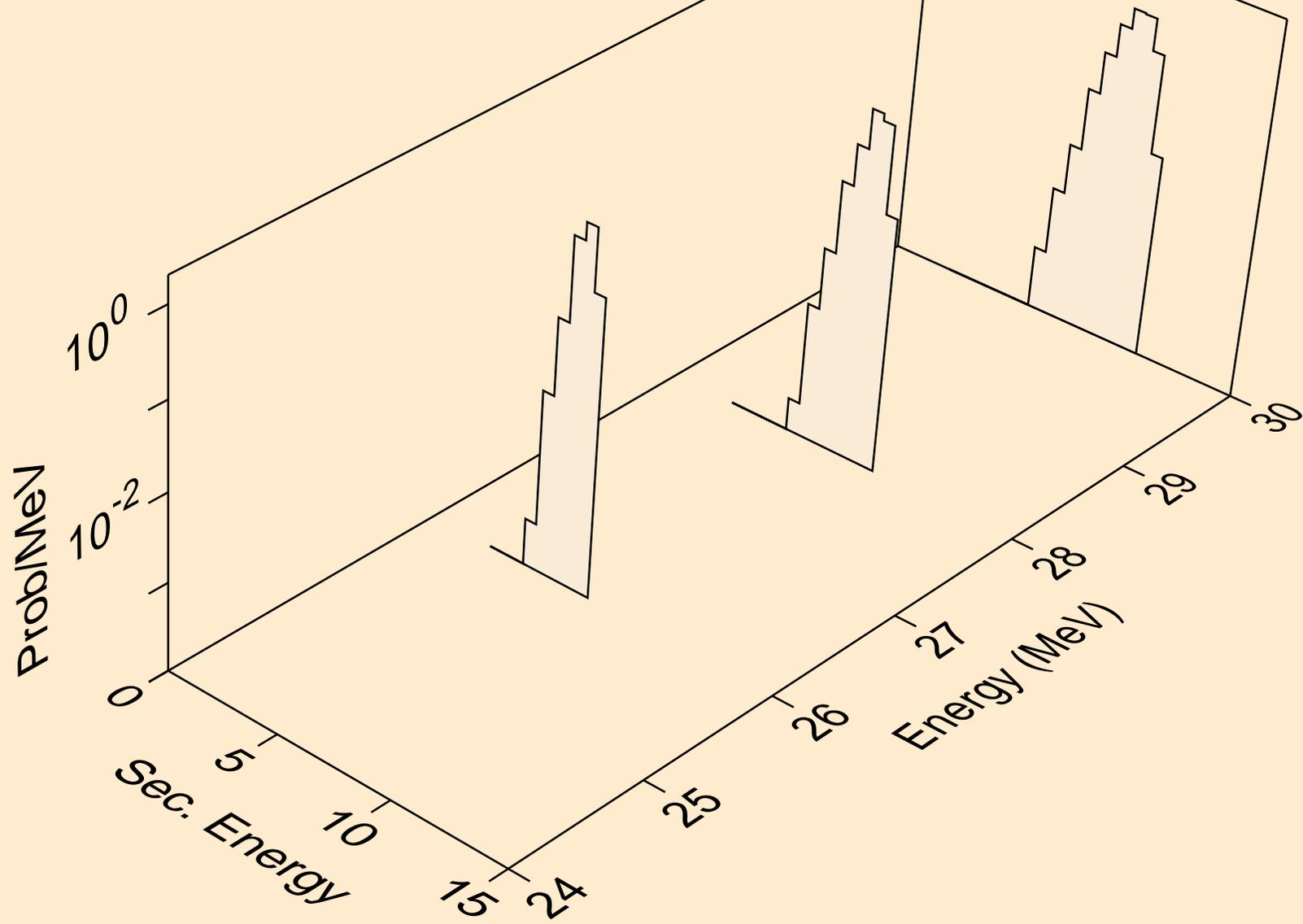tritons from (g,t)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
he3s from (g,x)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,x)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,n*)a

ProbIMeV

Sec. Energy

Energy (MeV)

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,2n)a

IN127N PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,a)

ProblMeV

10^0

10^{-2}

Sec. Energy

Energy (MeV)