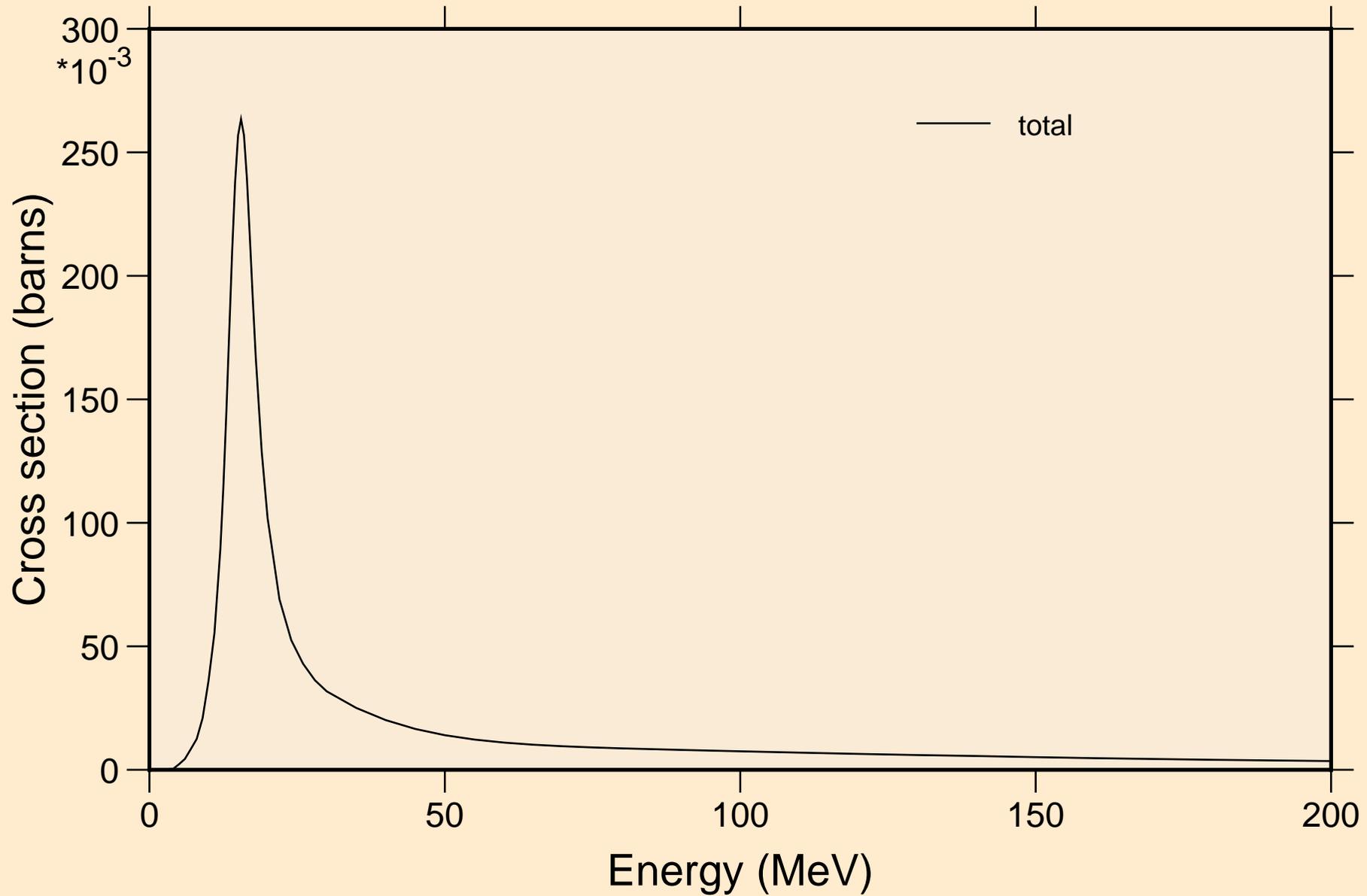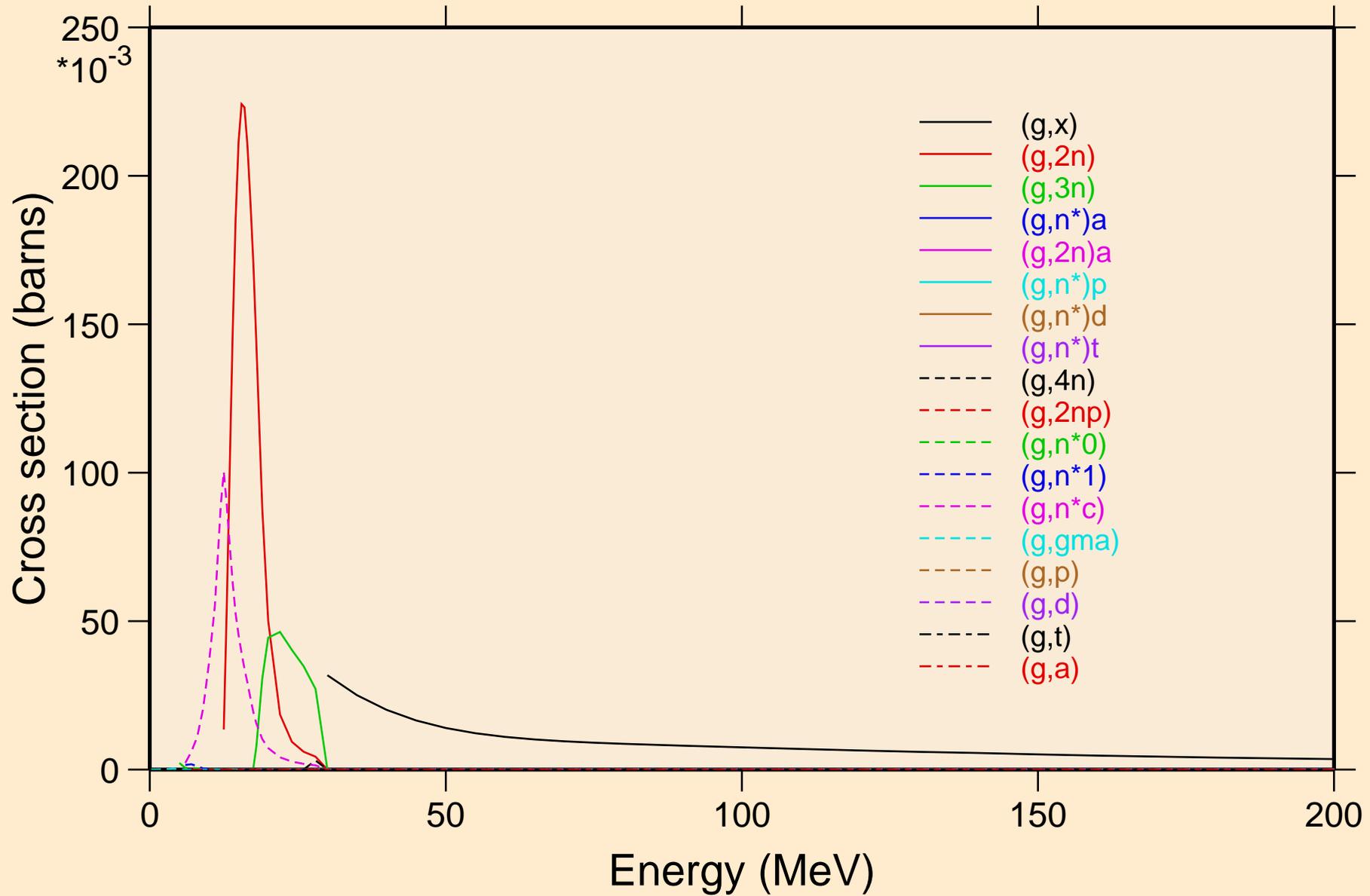PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections
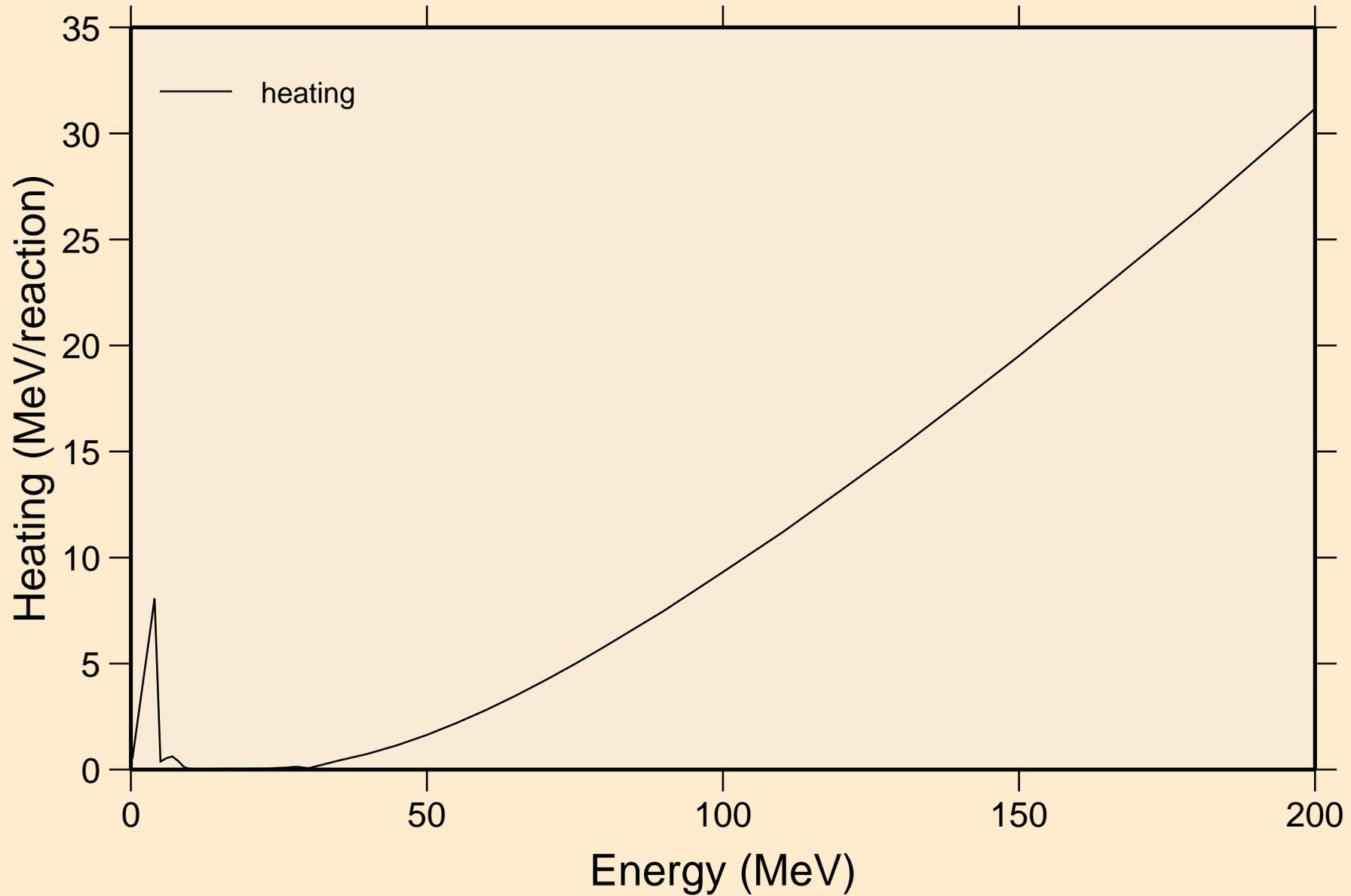
PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Partial cross sections

Cross section (barns)
250 *10⁻³
200
150
100
50
0

Energy (MeV)
0   50   100   150   200

(g,x)
(g,2n)
(g,3n)
(g,n*)a
(g,2n)a
(g,n*)p
(g,n*)d
(g,n*)t
(g,4n)
(g,2np)
(g,n*0)
(g,n*1)
(g,n*c)
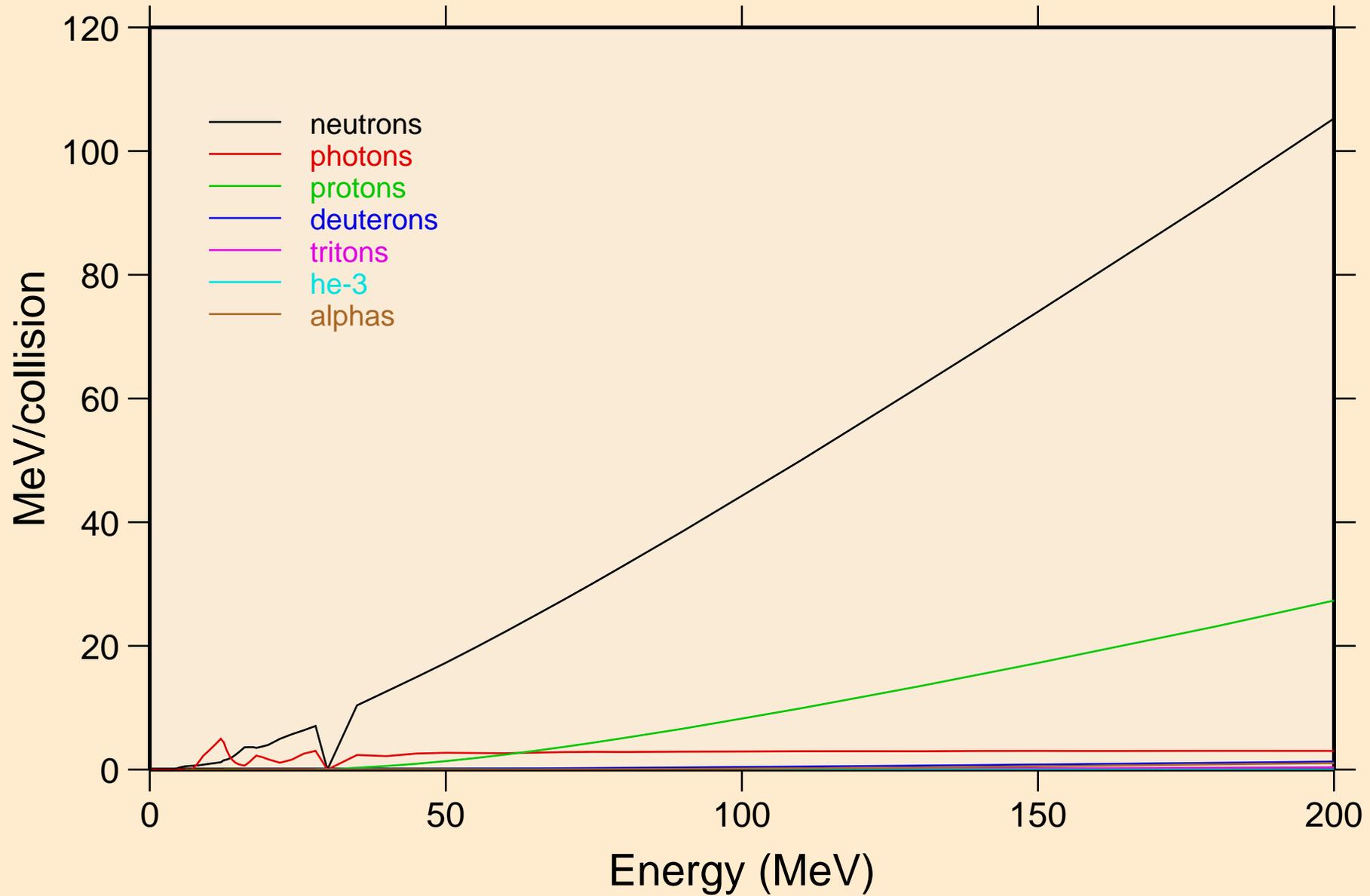(g,gma)
(g,p)
(g,d)
(g,t)
(g,a)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Heating

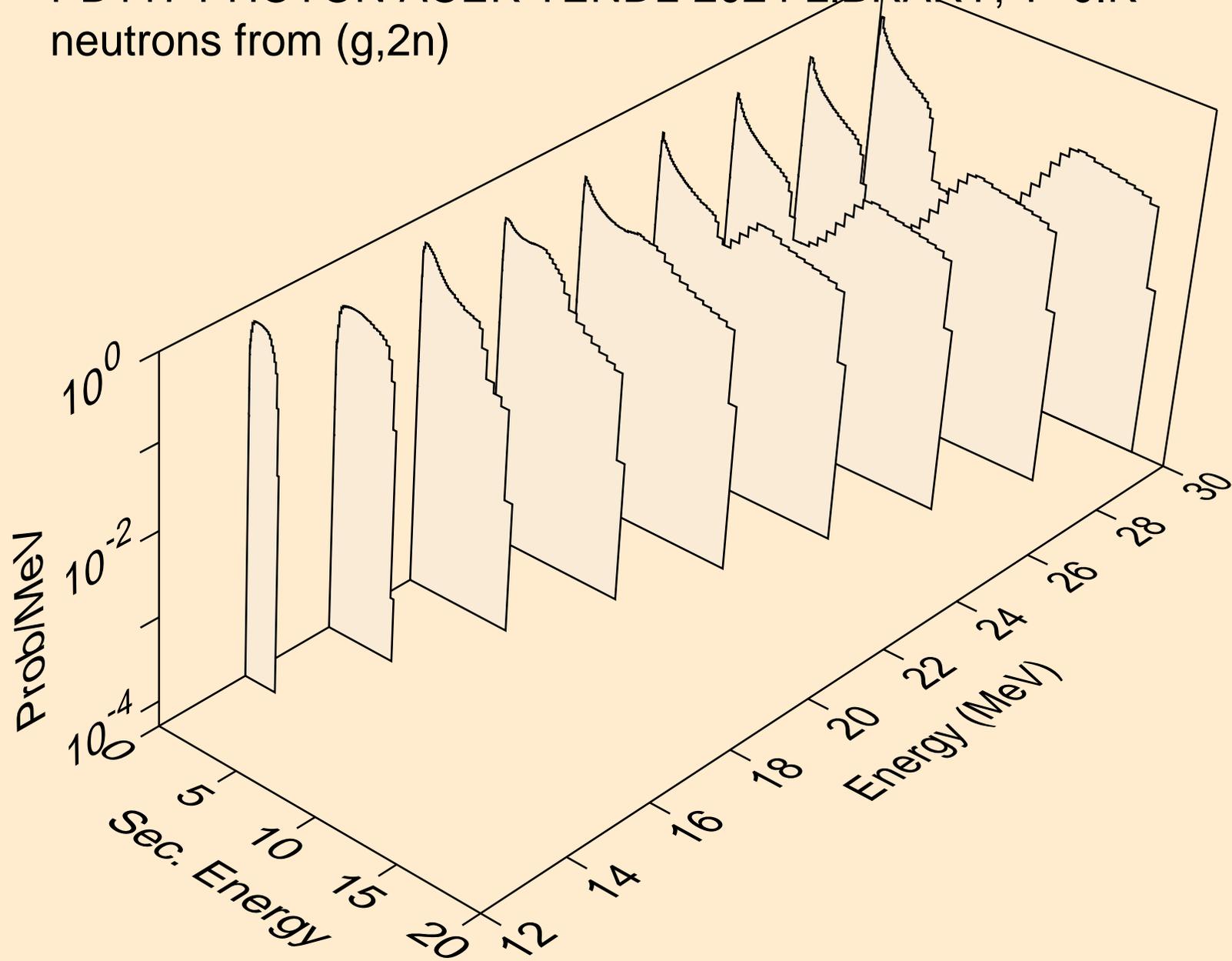PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

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

Y-axis: MeV/collision

X-axis: Energy (MeV)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections

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

X-axis: Energy (MeV)
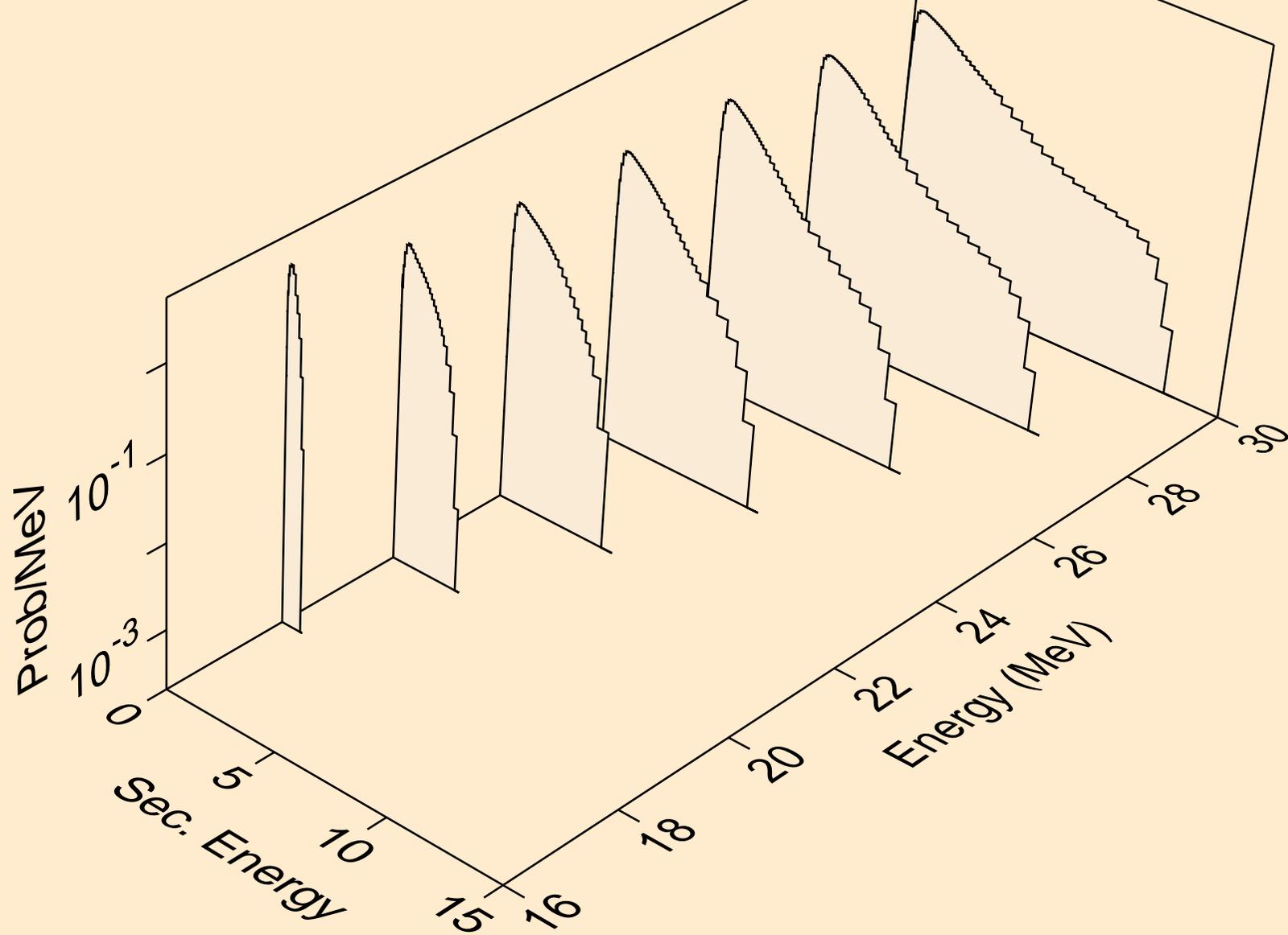Y-axis: Cross section (barns)
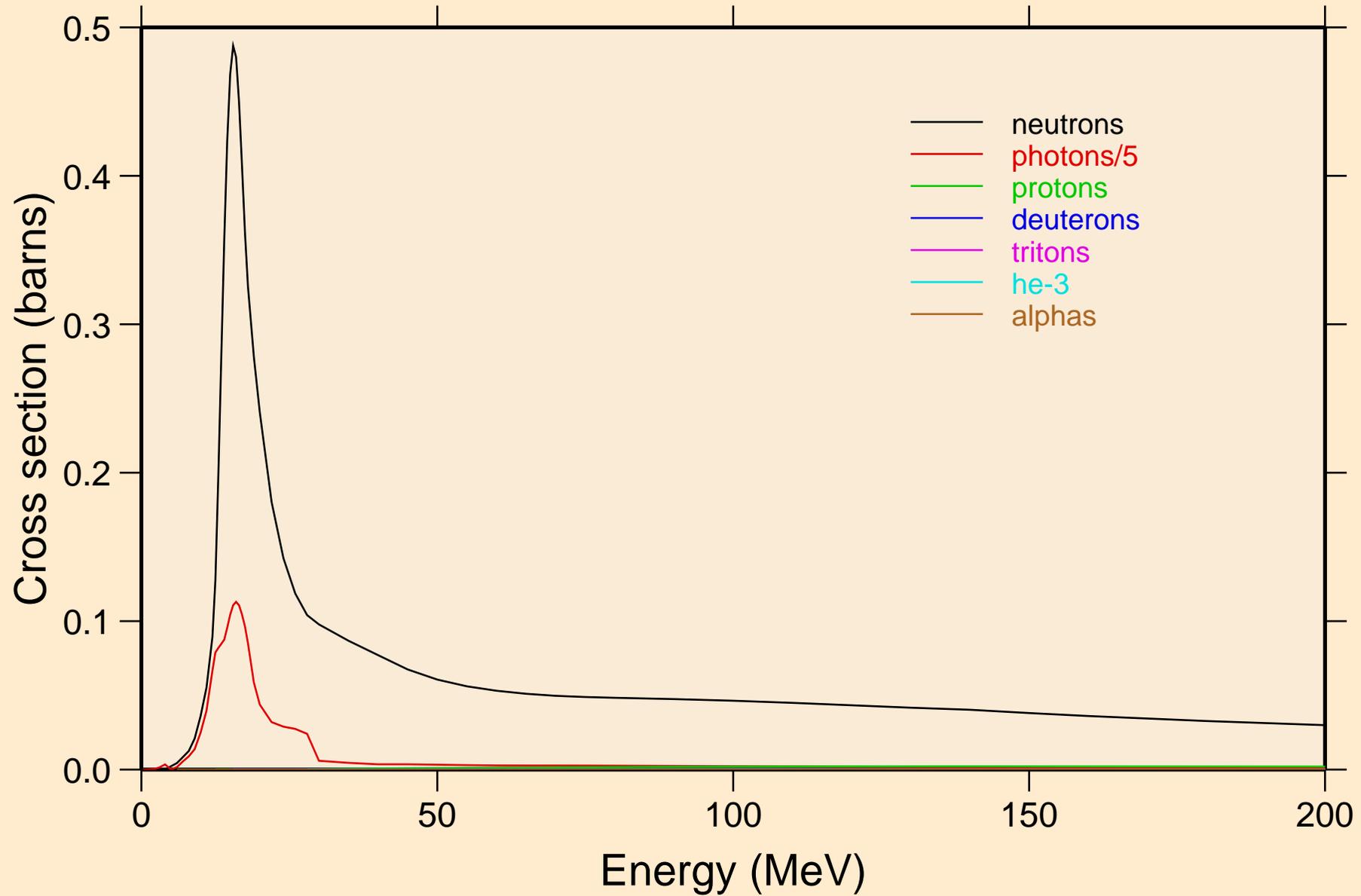
PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
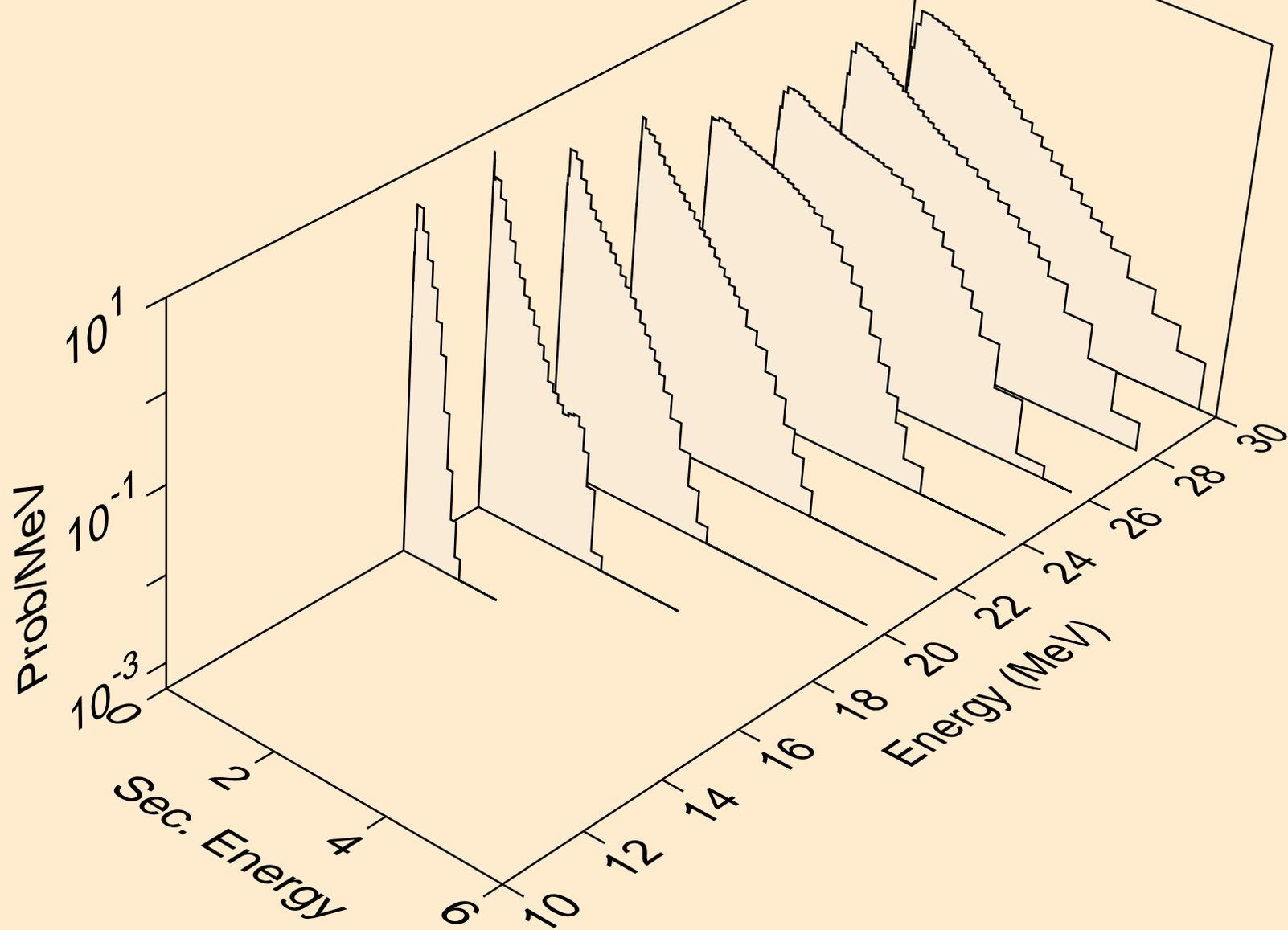neutrons from (g,x)

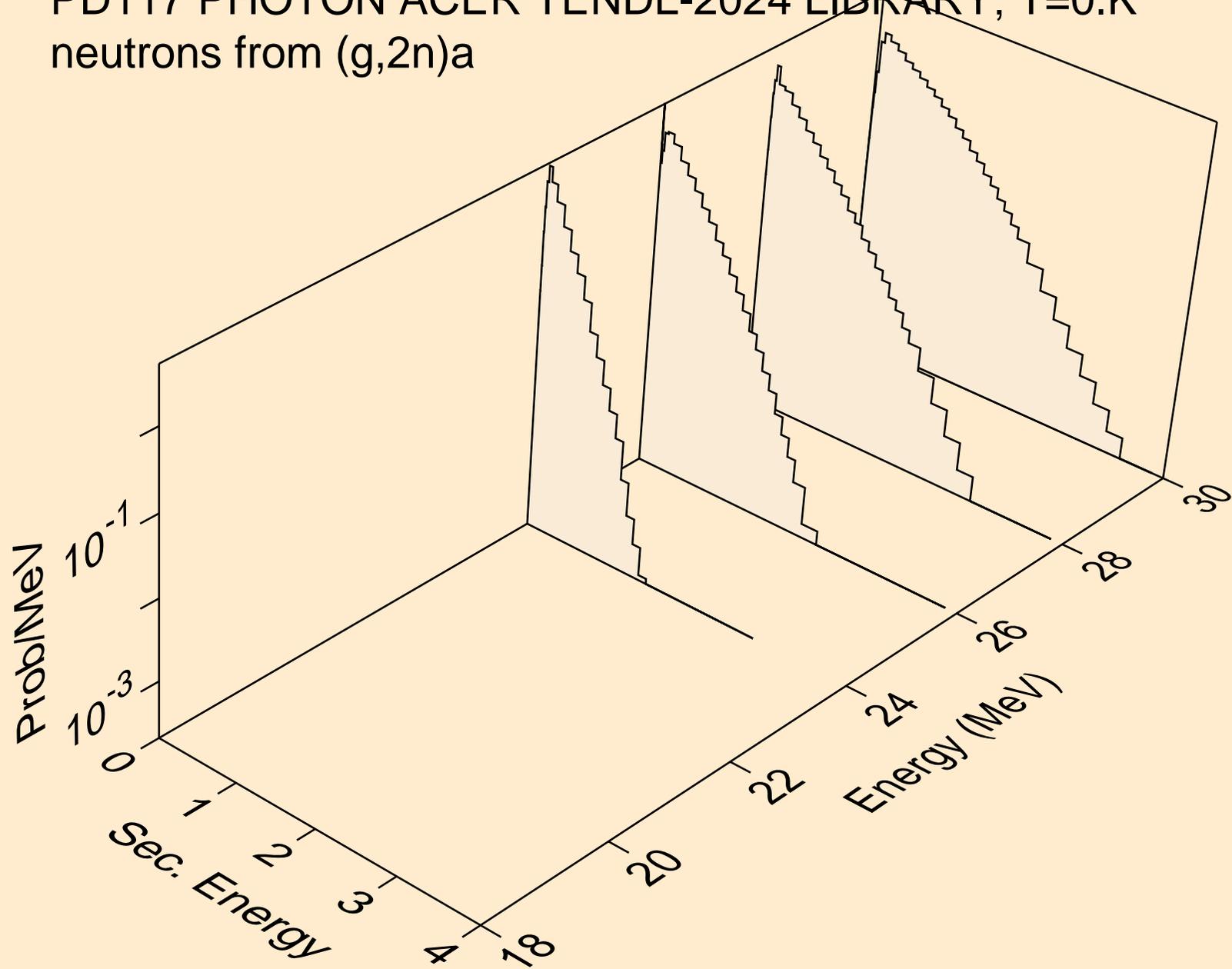PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2n)

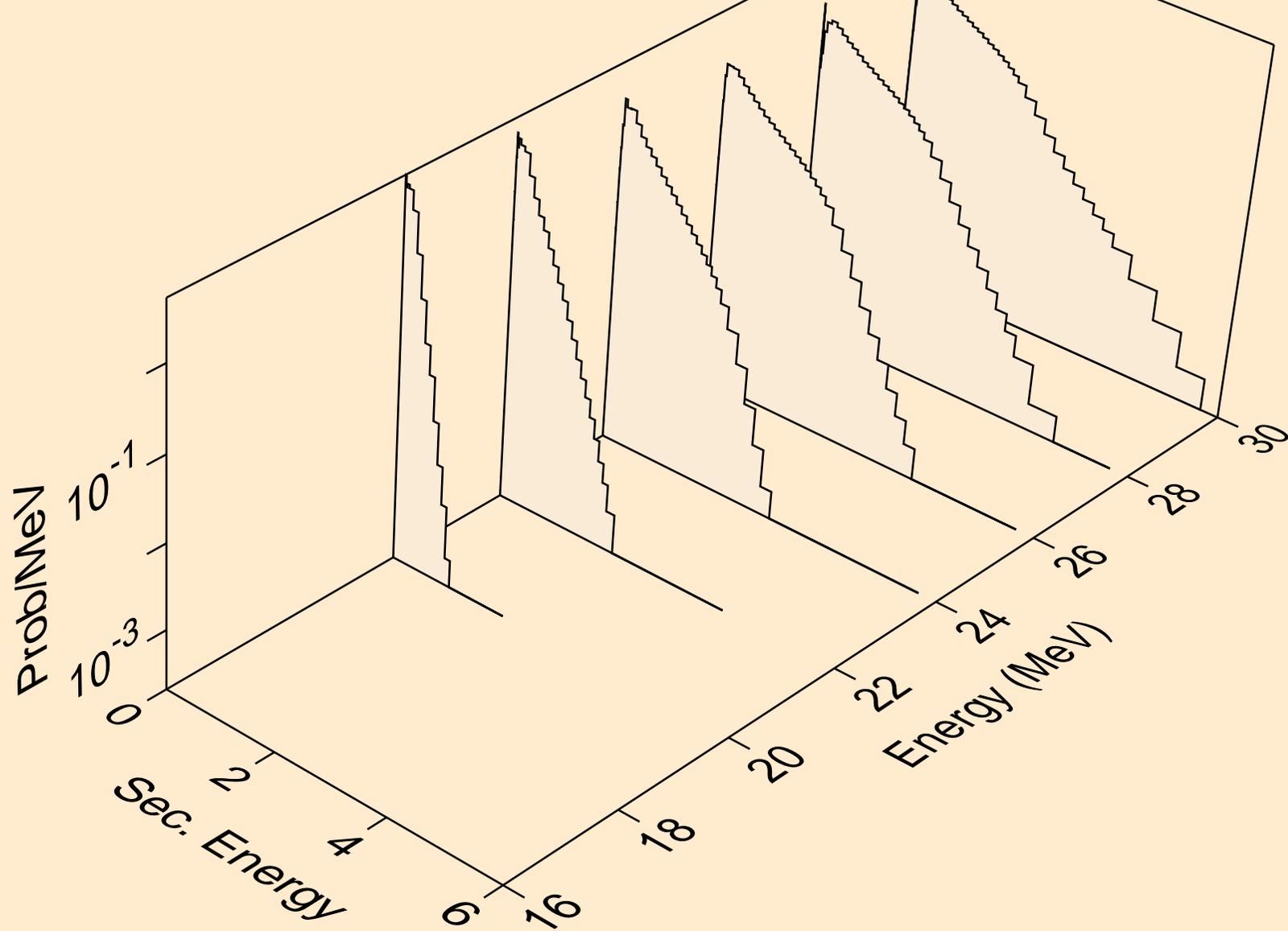PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,3n)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
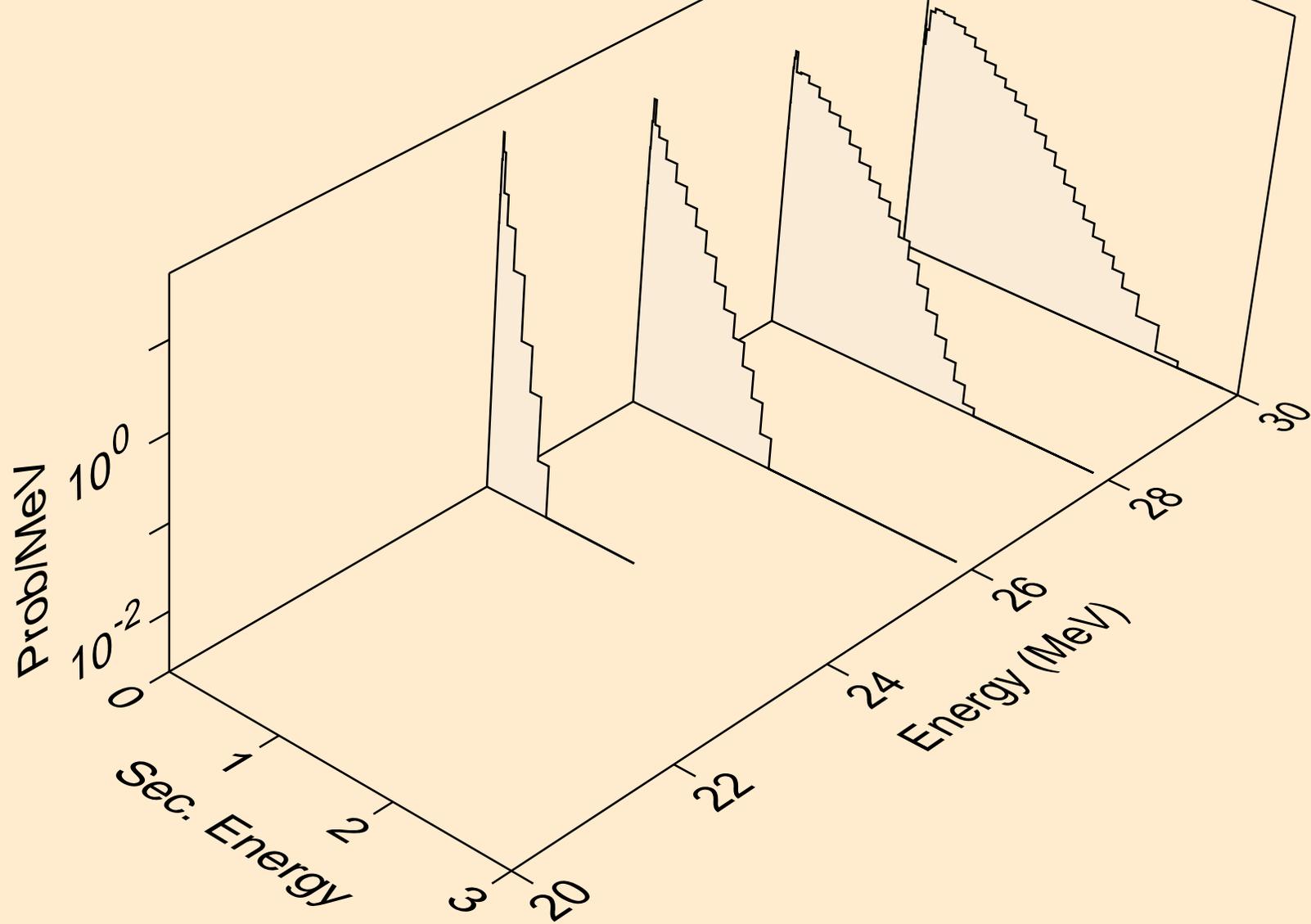neutrons from (g,n*)a

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
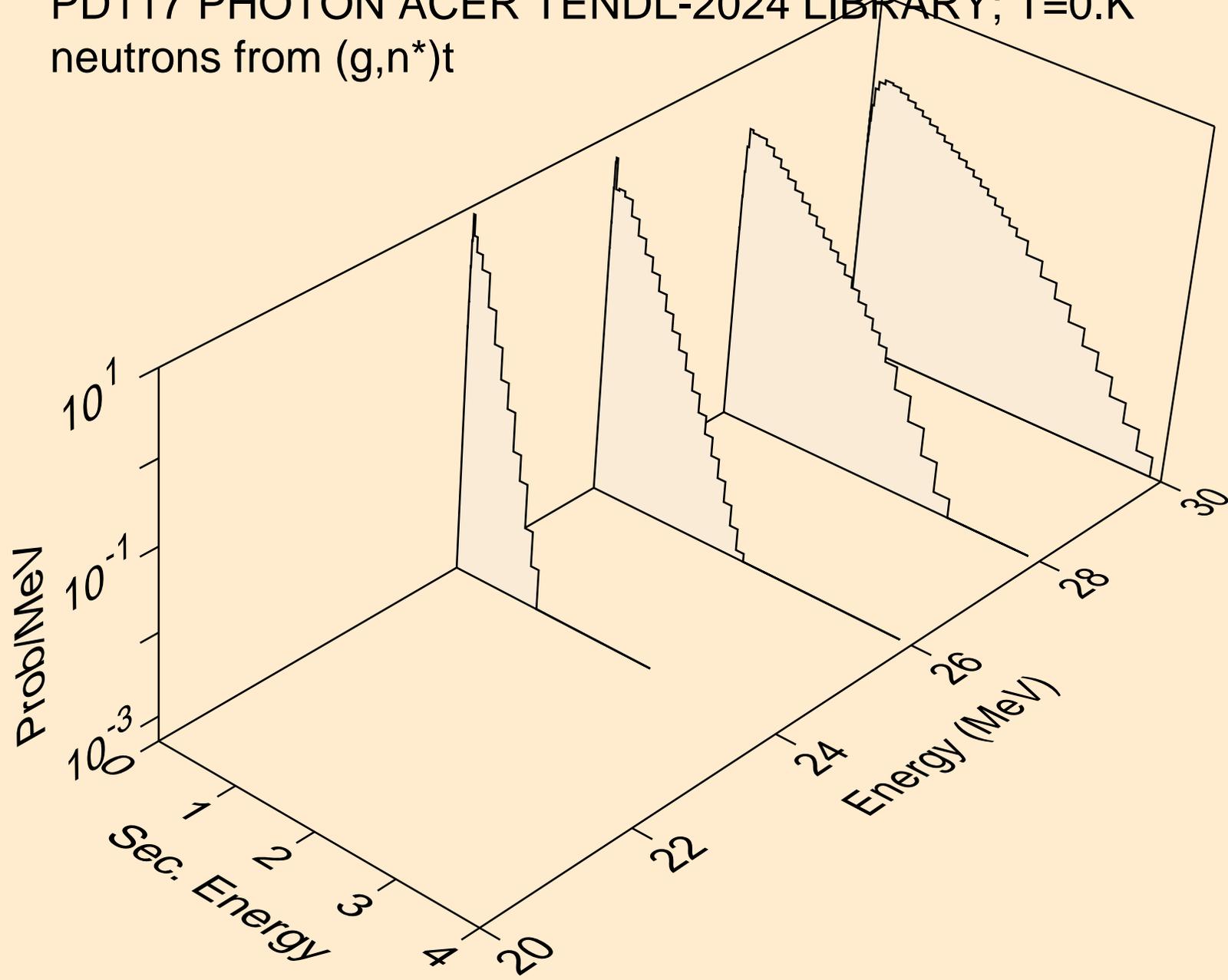neutrons from (g,2n)a

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
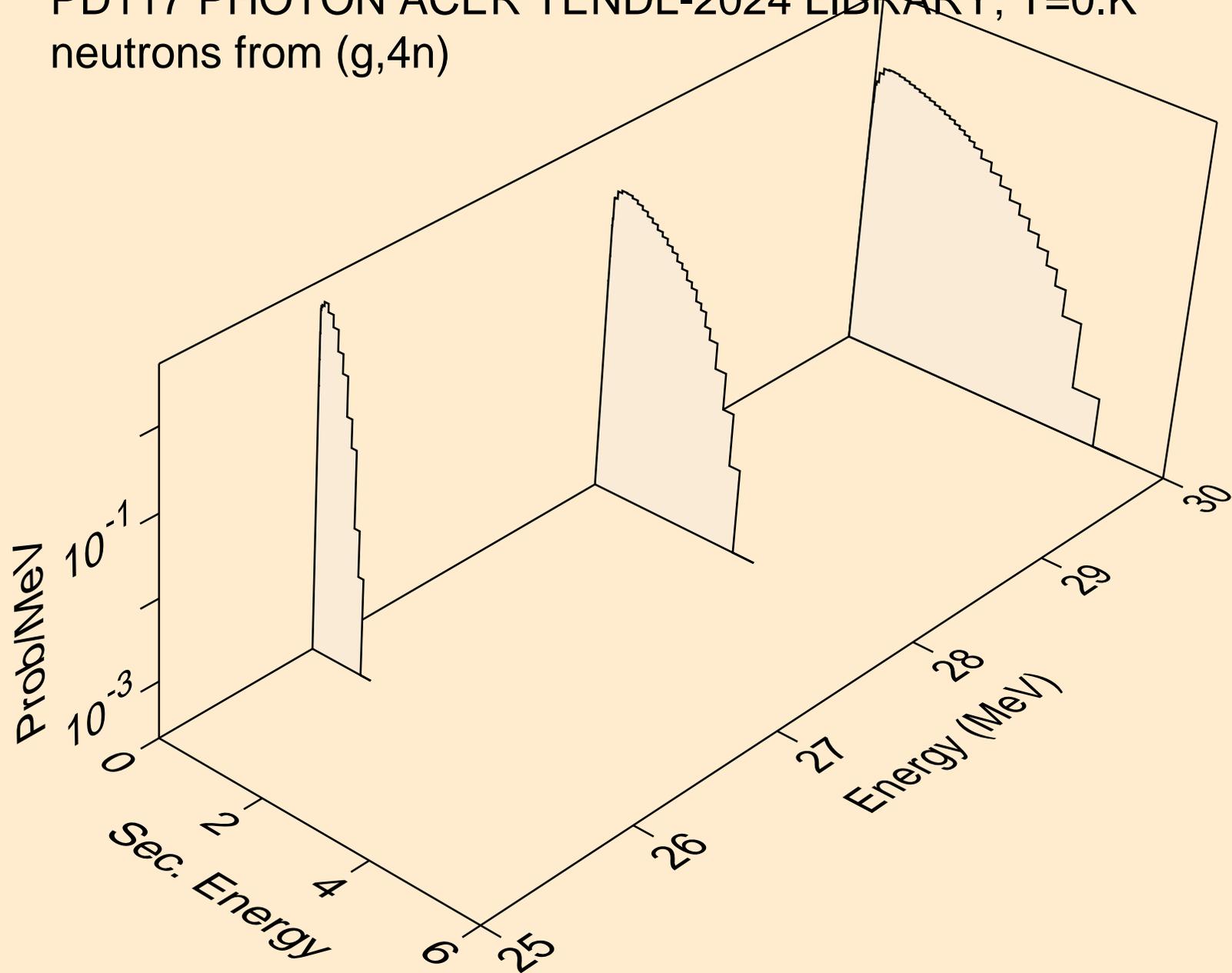neutrons from (g,n*)p

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
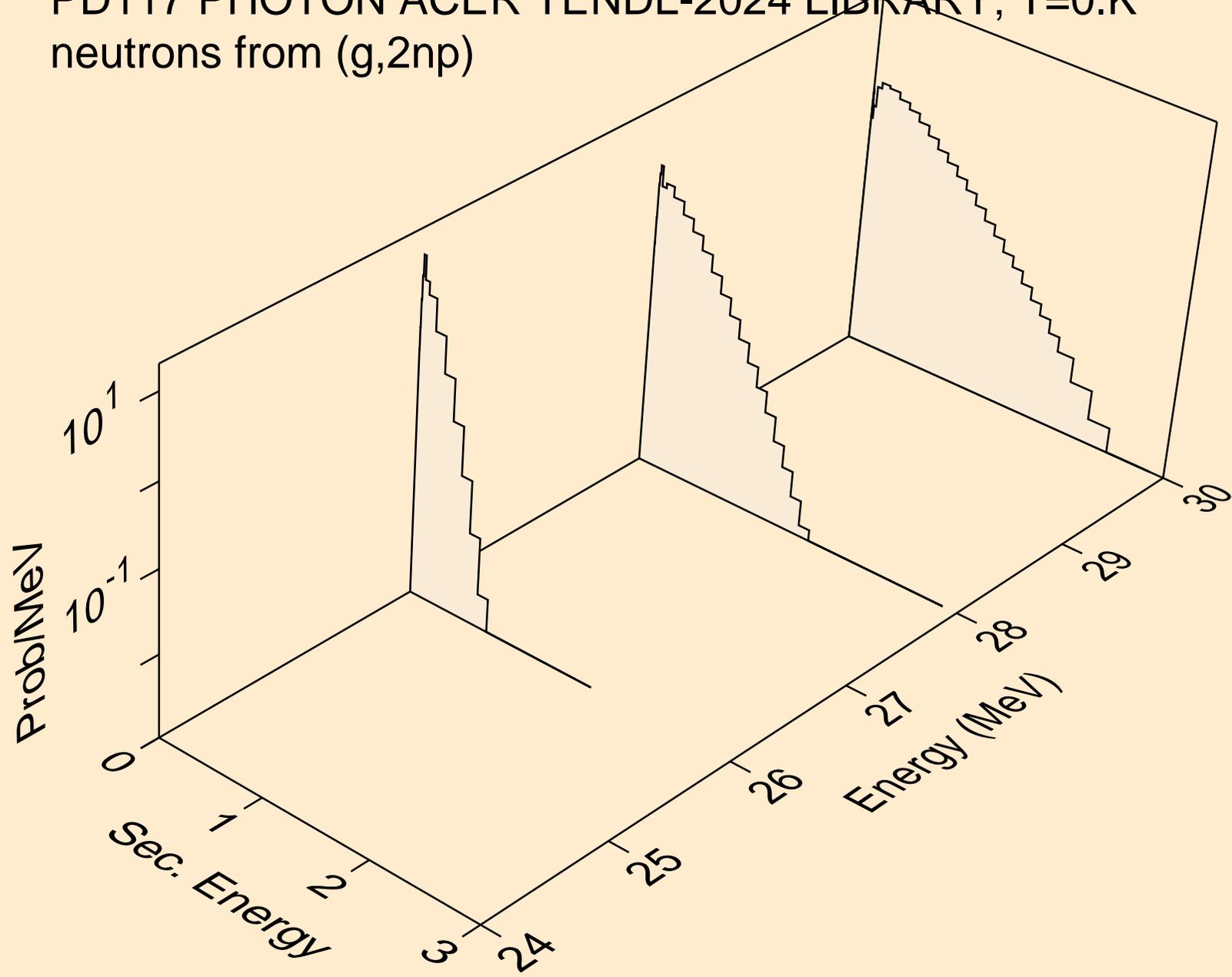neutrons from (g,n*)d

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
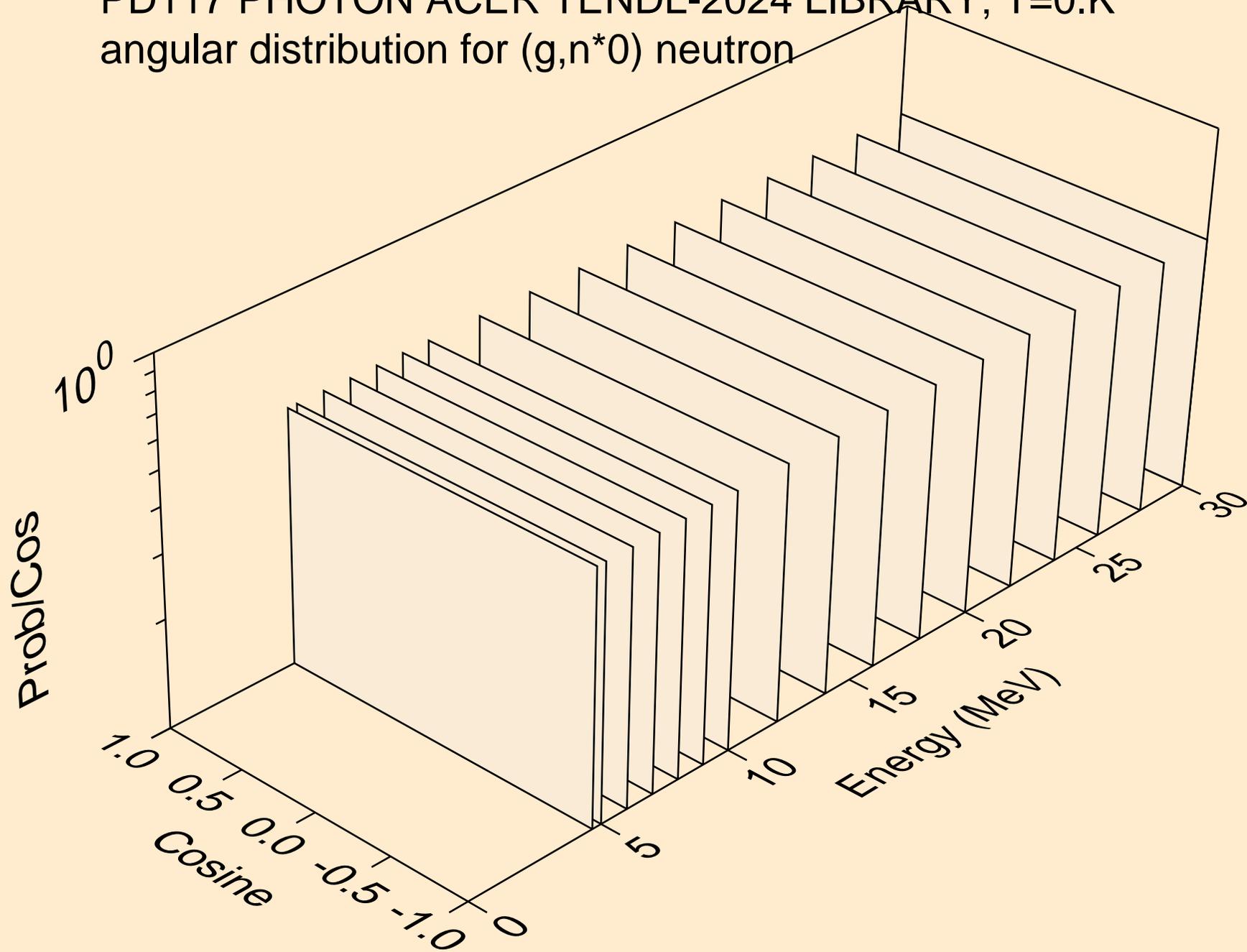neutrons from (g,n*)t

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
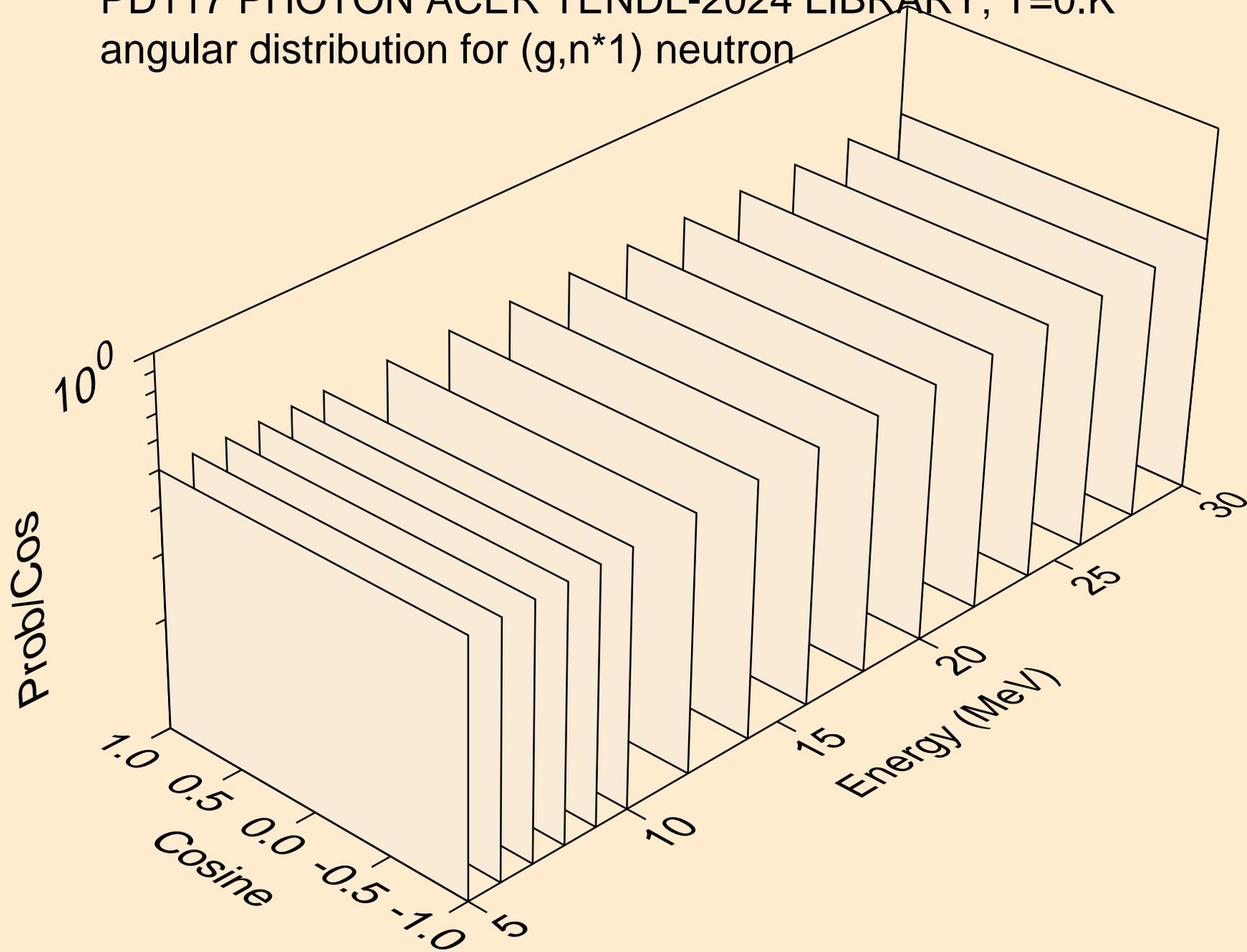neutrons from (g,4n)

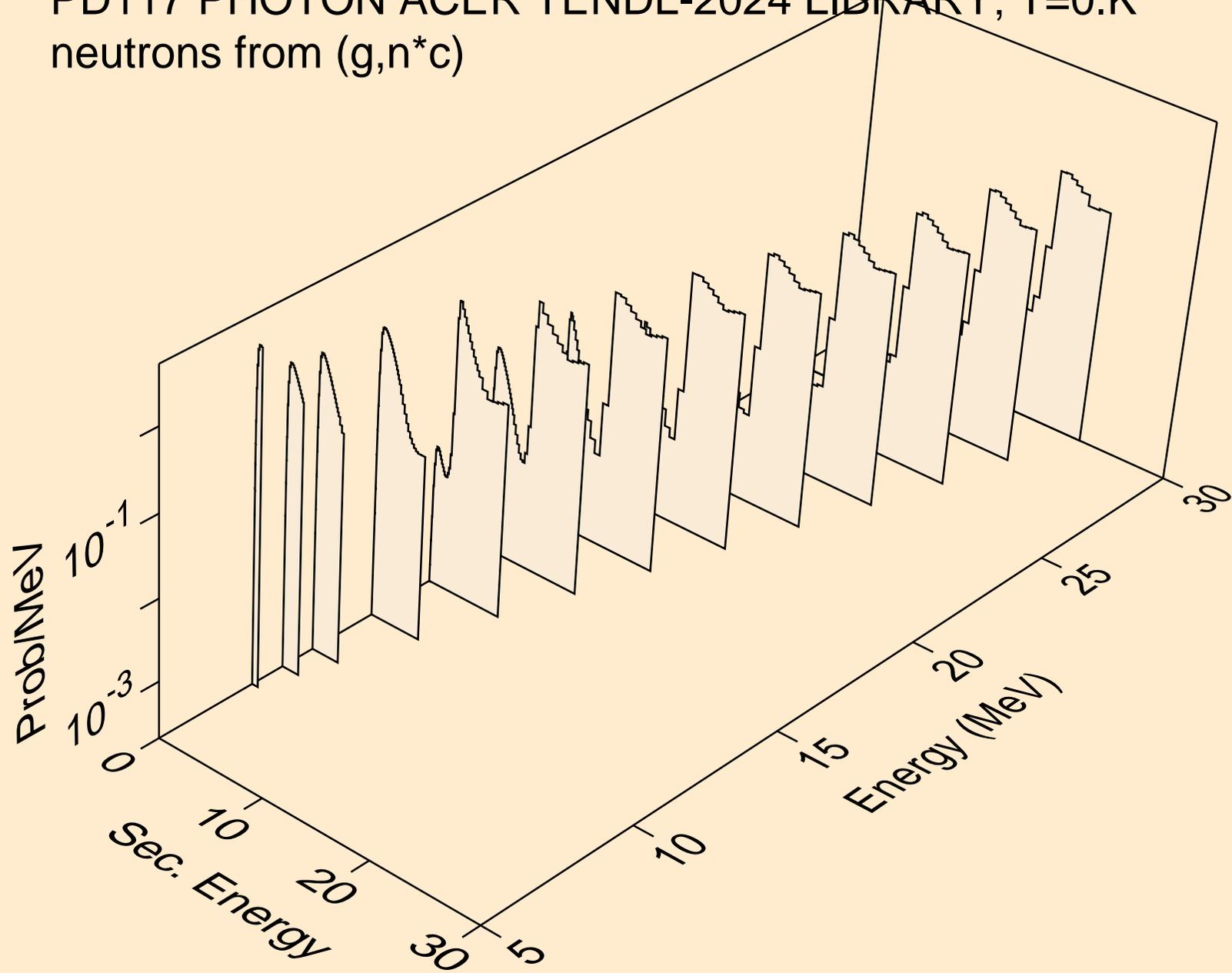PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2np)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
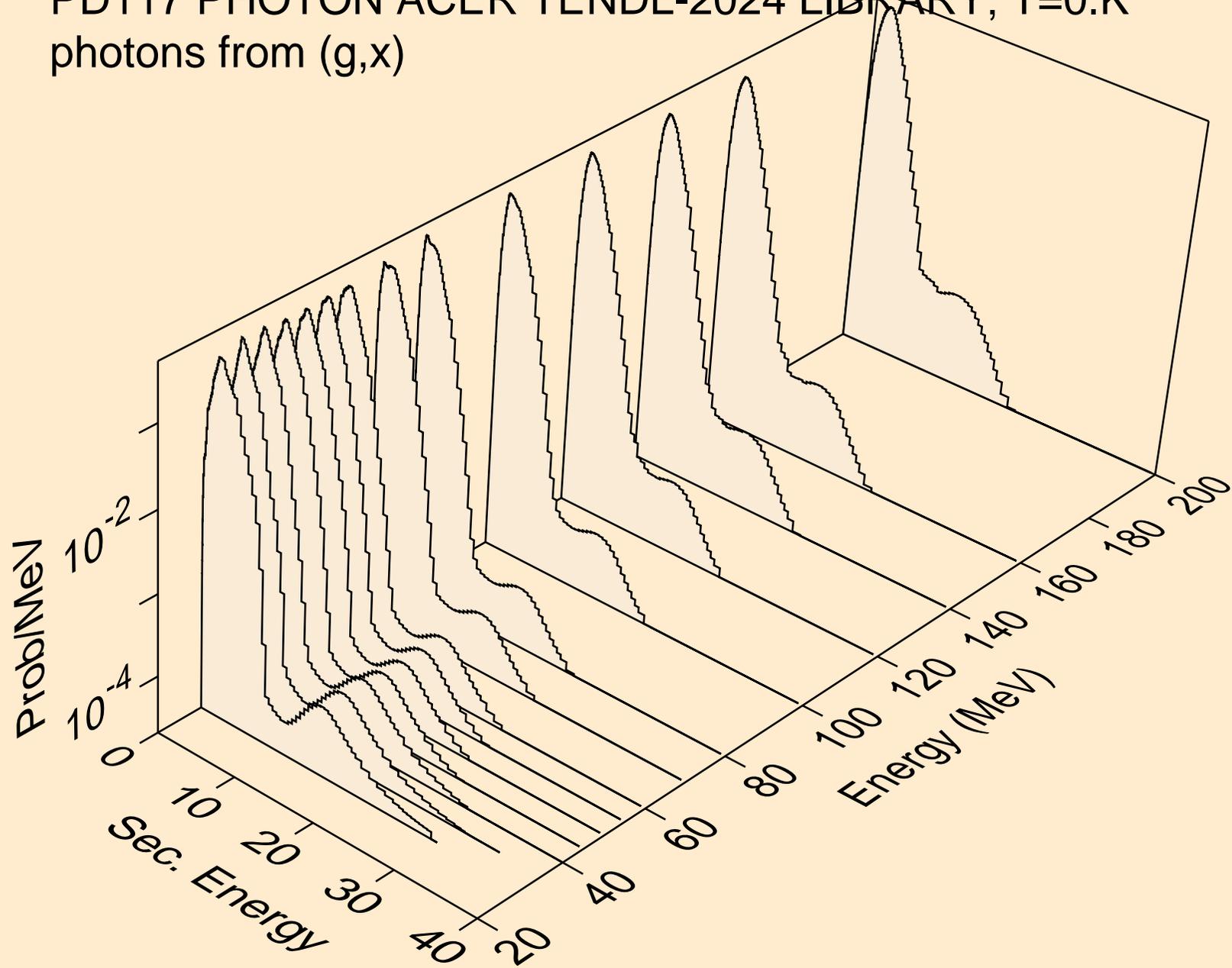angular distribution for (g,n*0) neutron

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
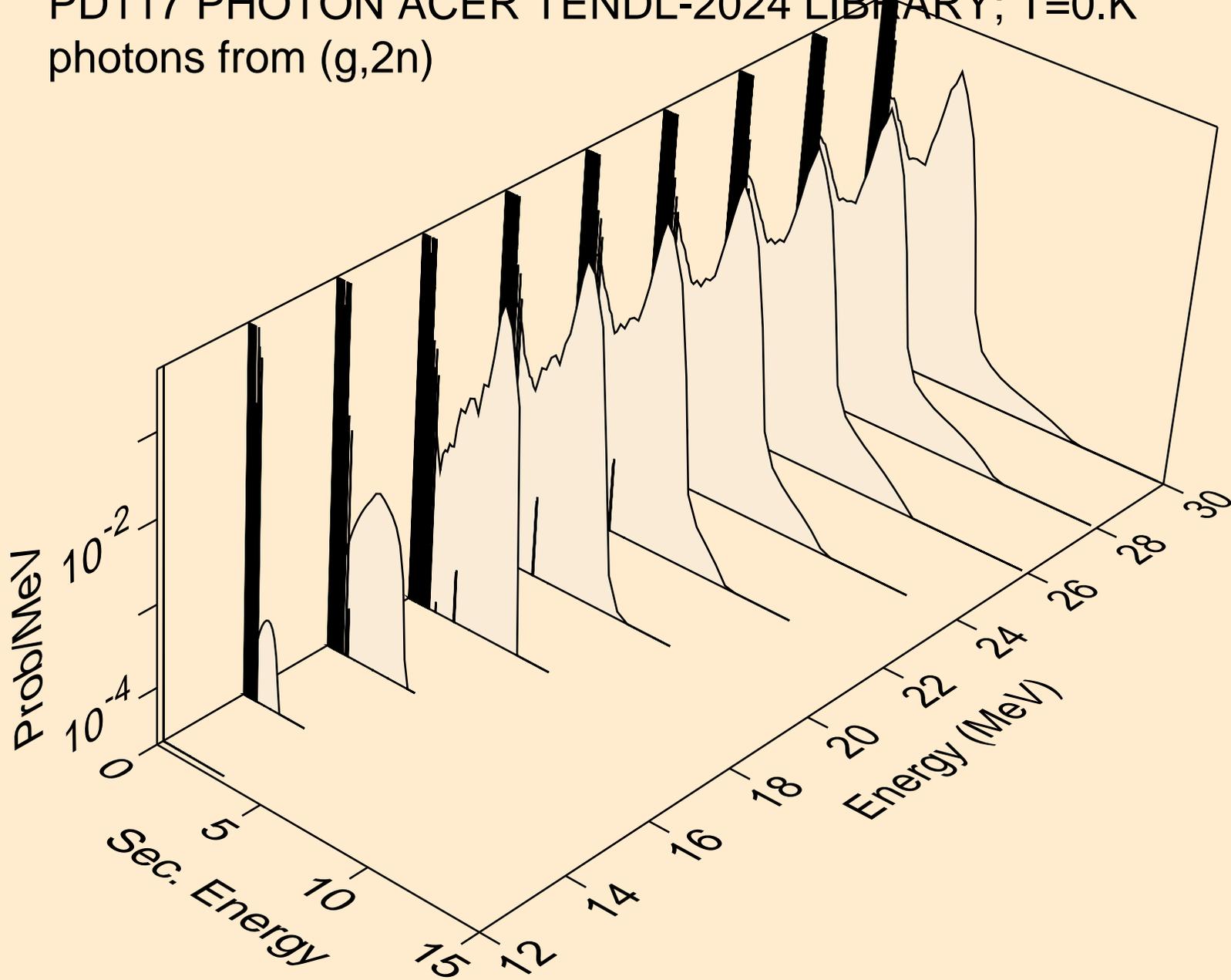angular distribution for (g,n*1) neutron

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
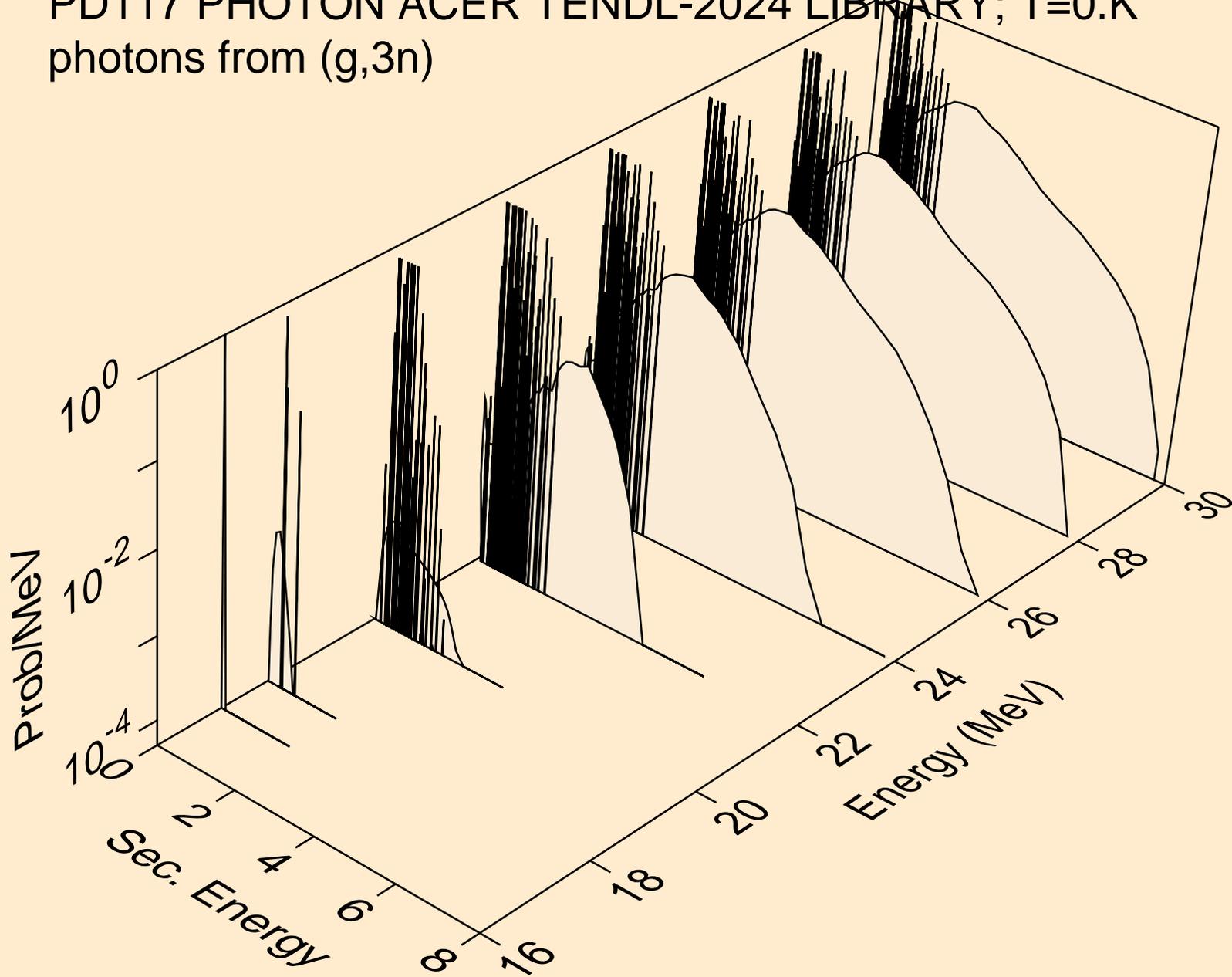neutrons from (g,n*c)

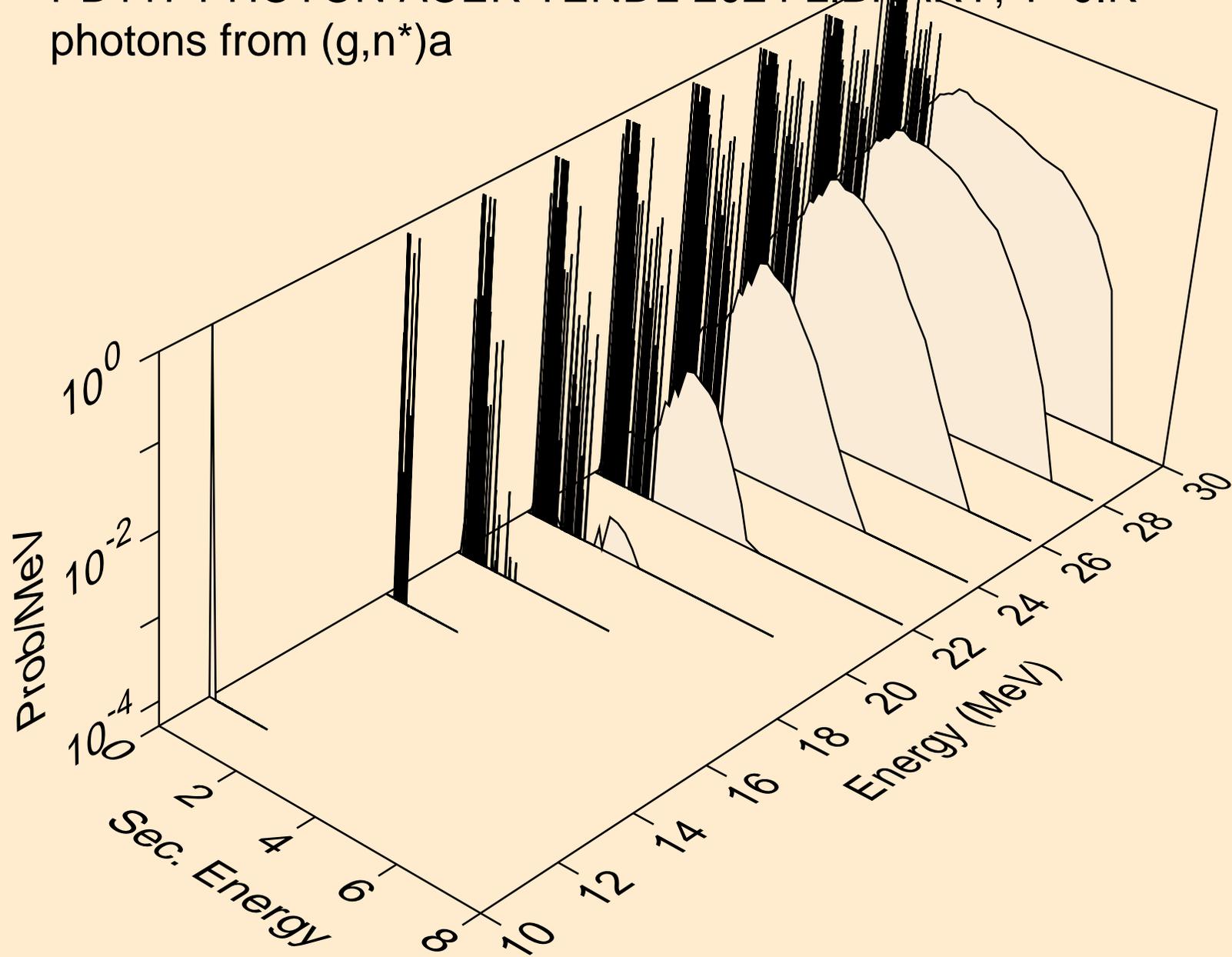PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,x)

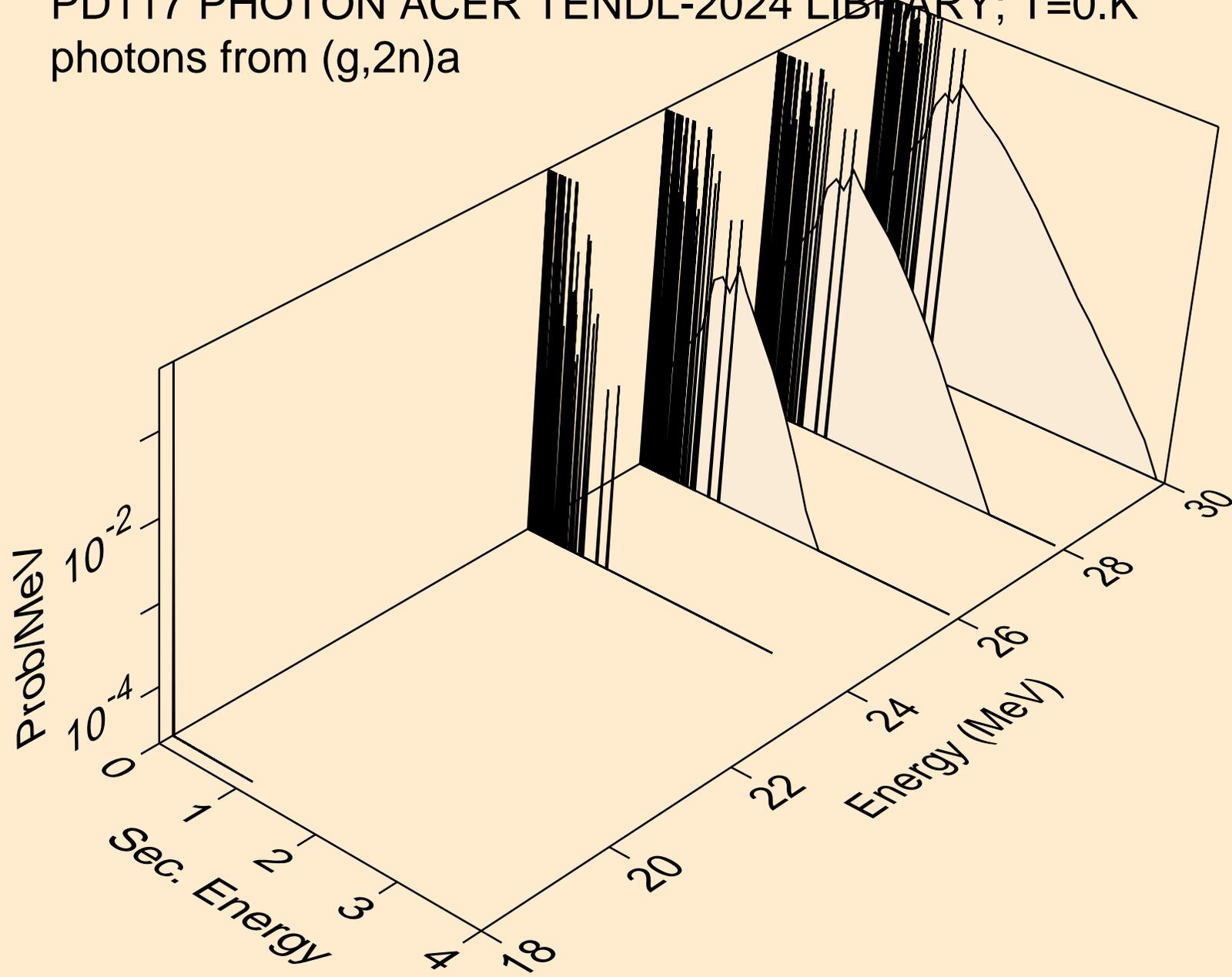PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2n)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
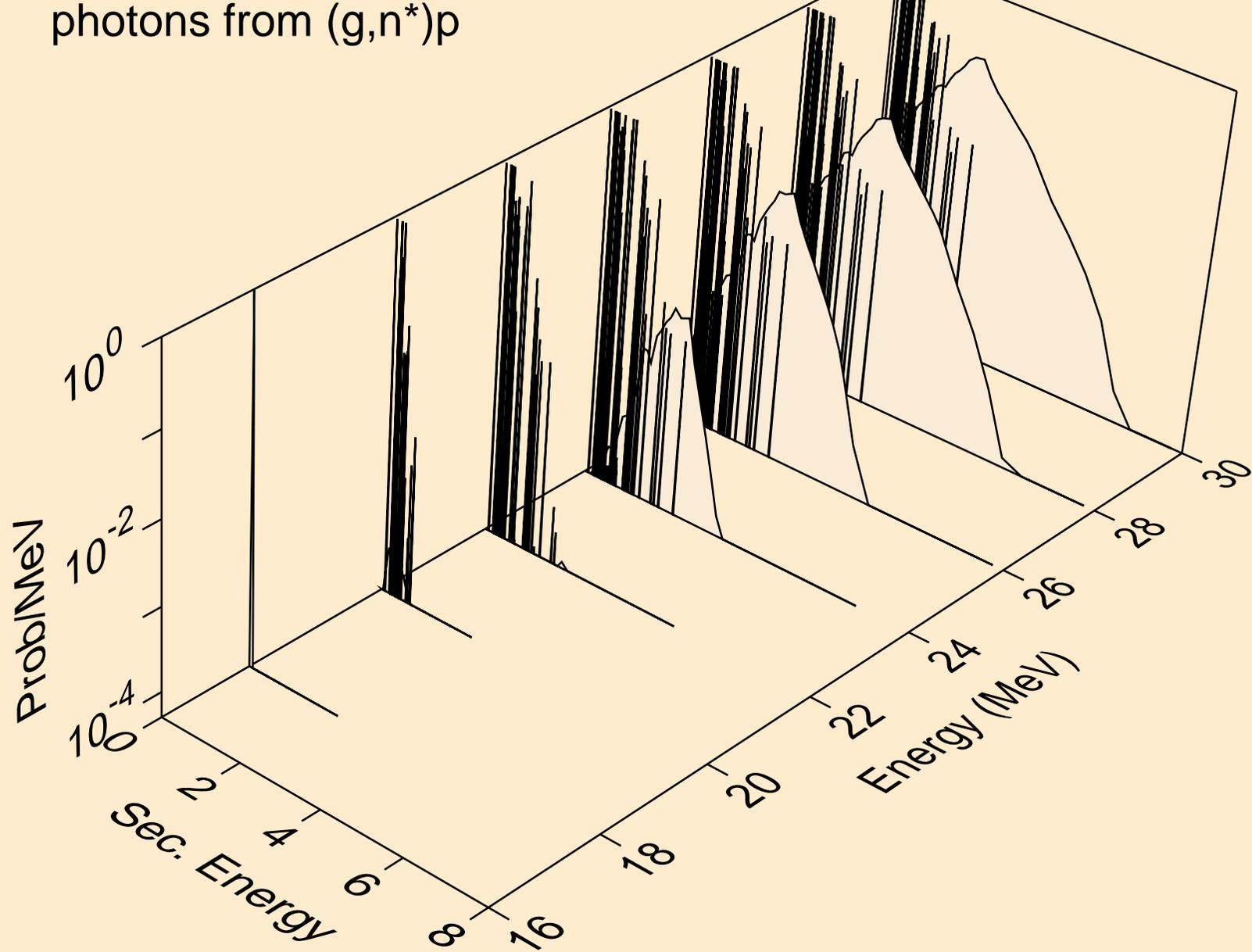photons from (g,3n)

Prob/MeV

Sec. Energy

Energy (MeV)

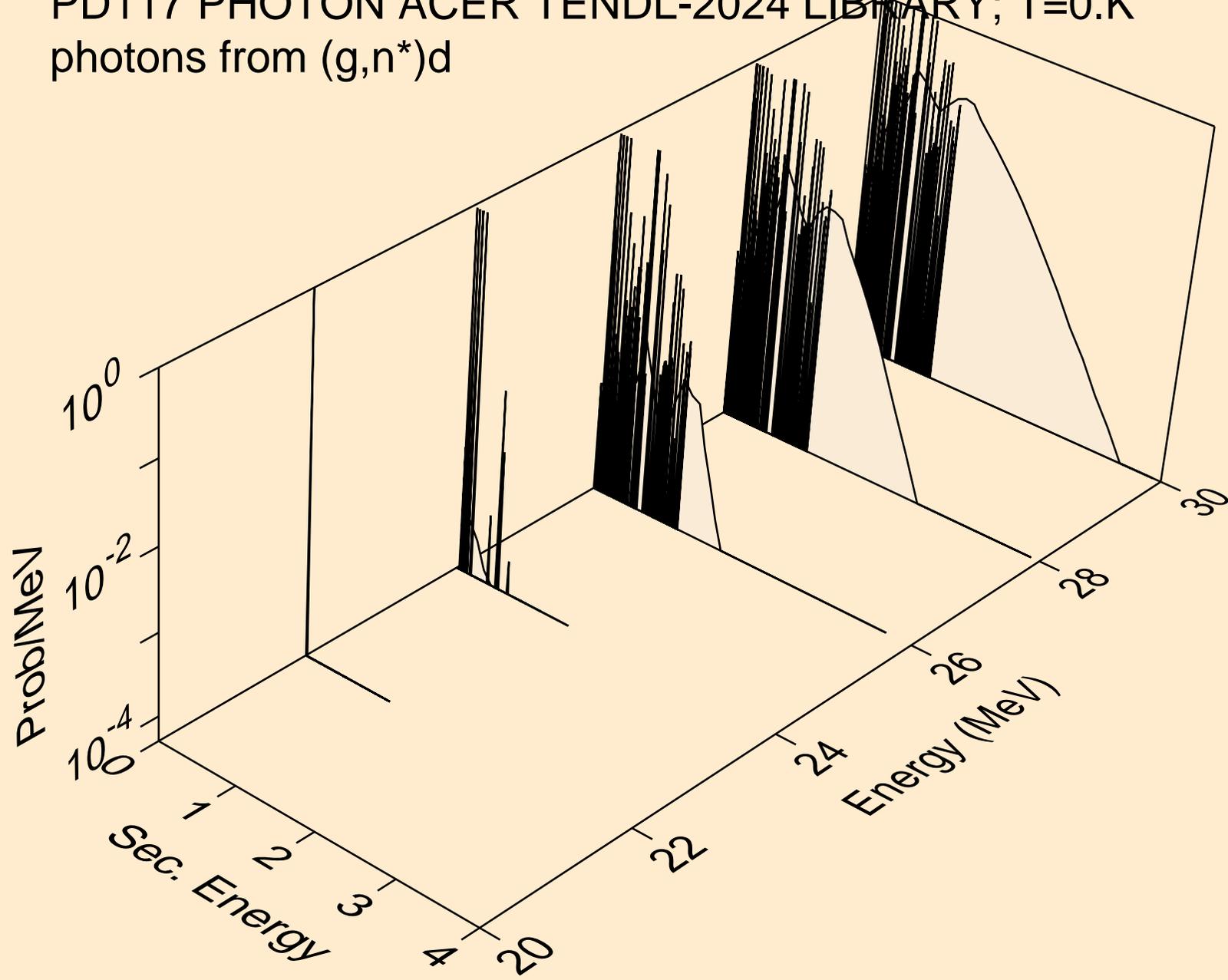PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)a

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
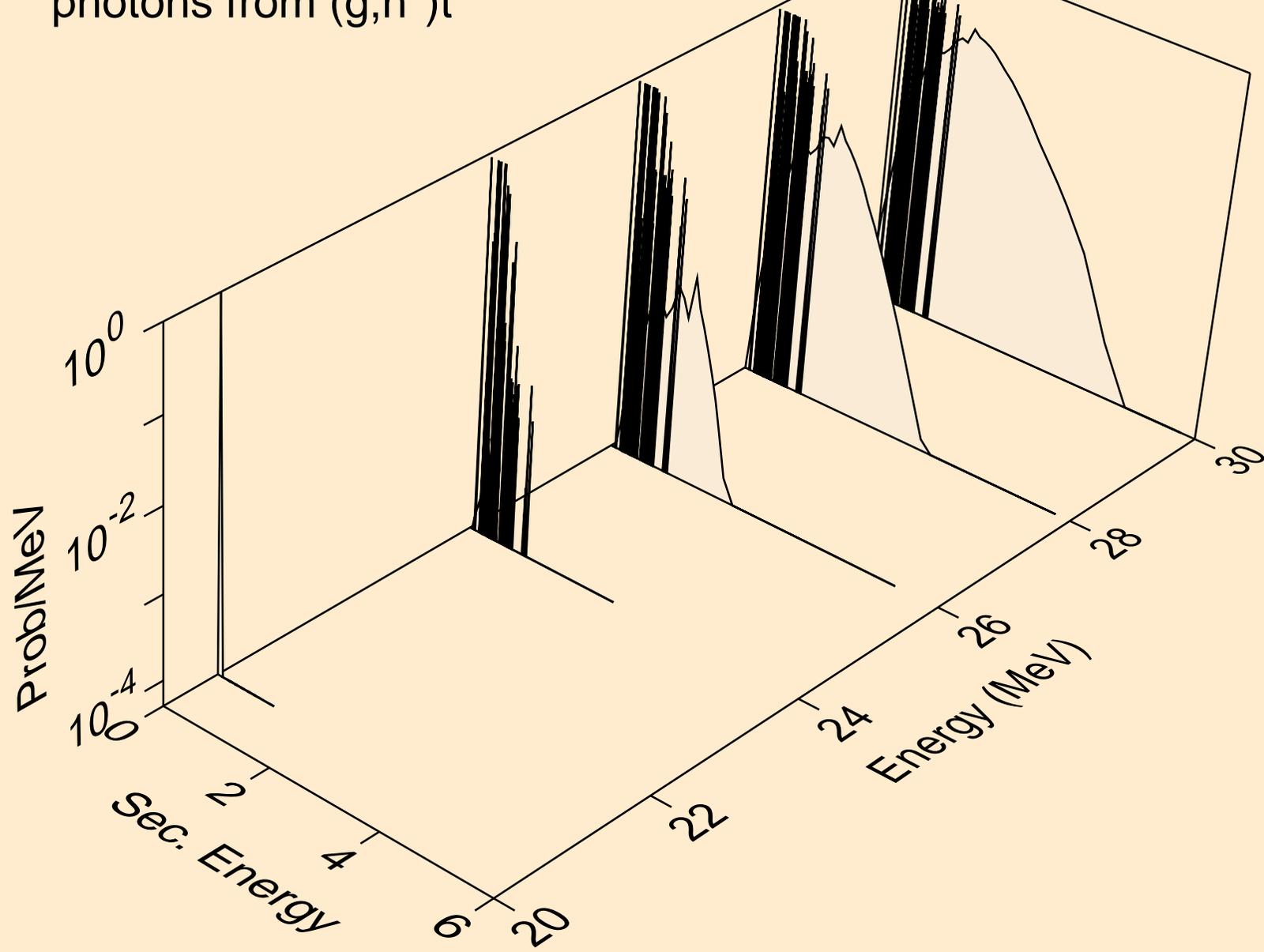photons from (g,2n)a

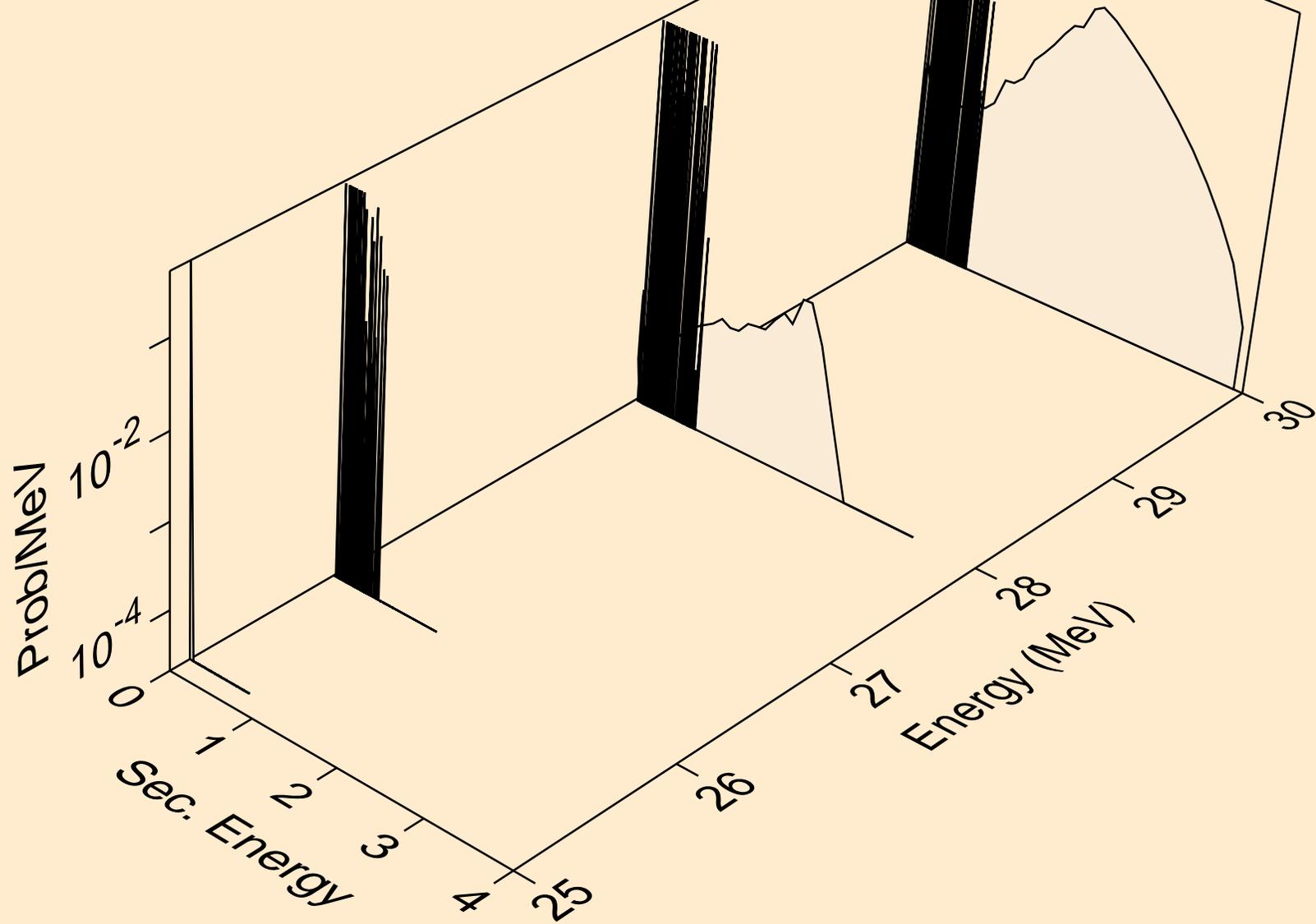PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)p

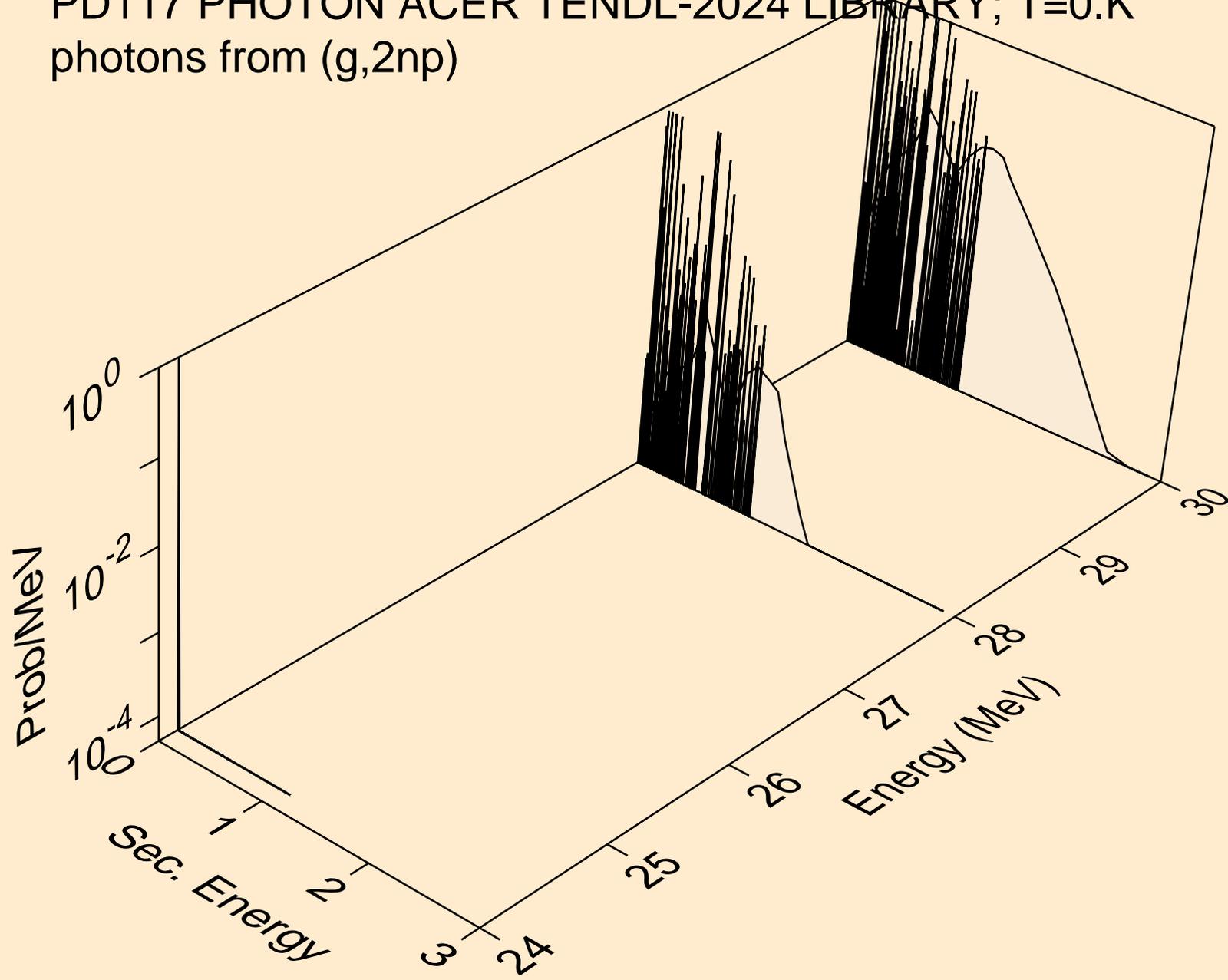PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)d

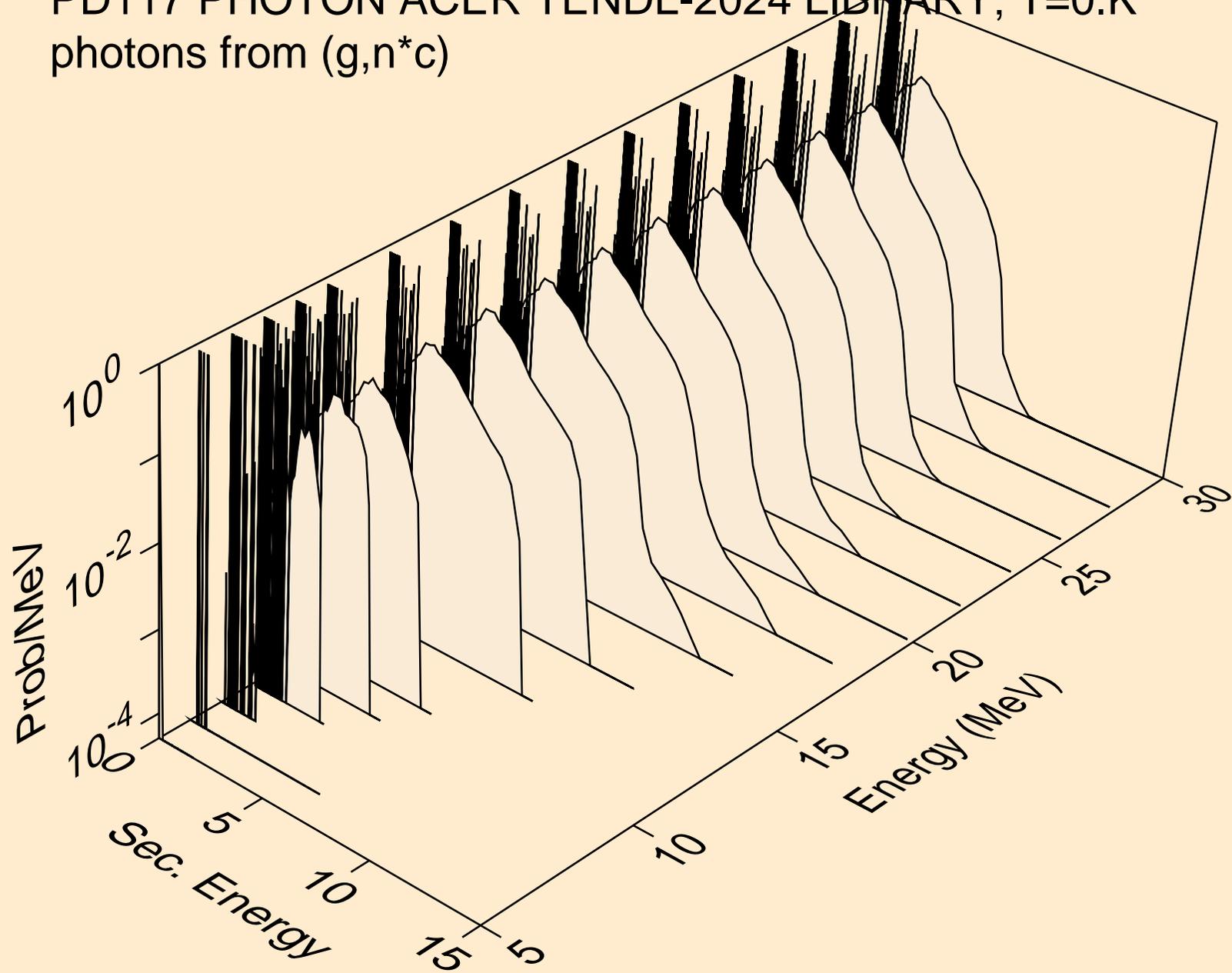PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)t

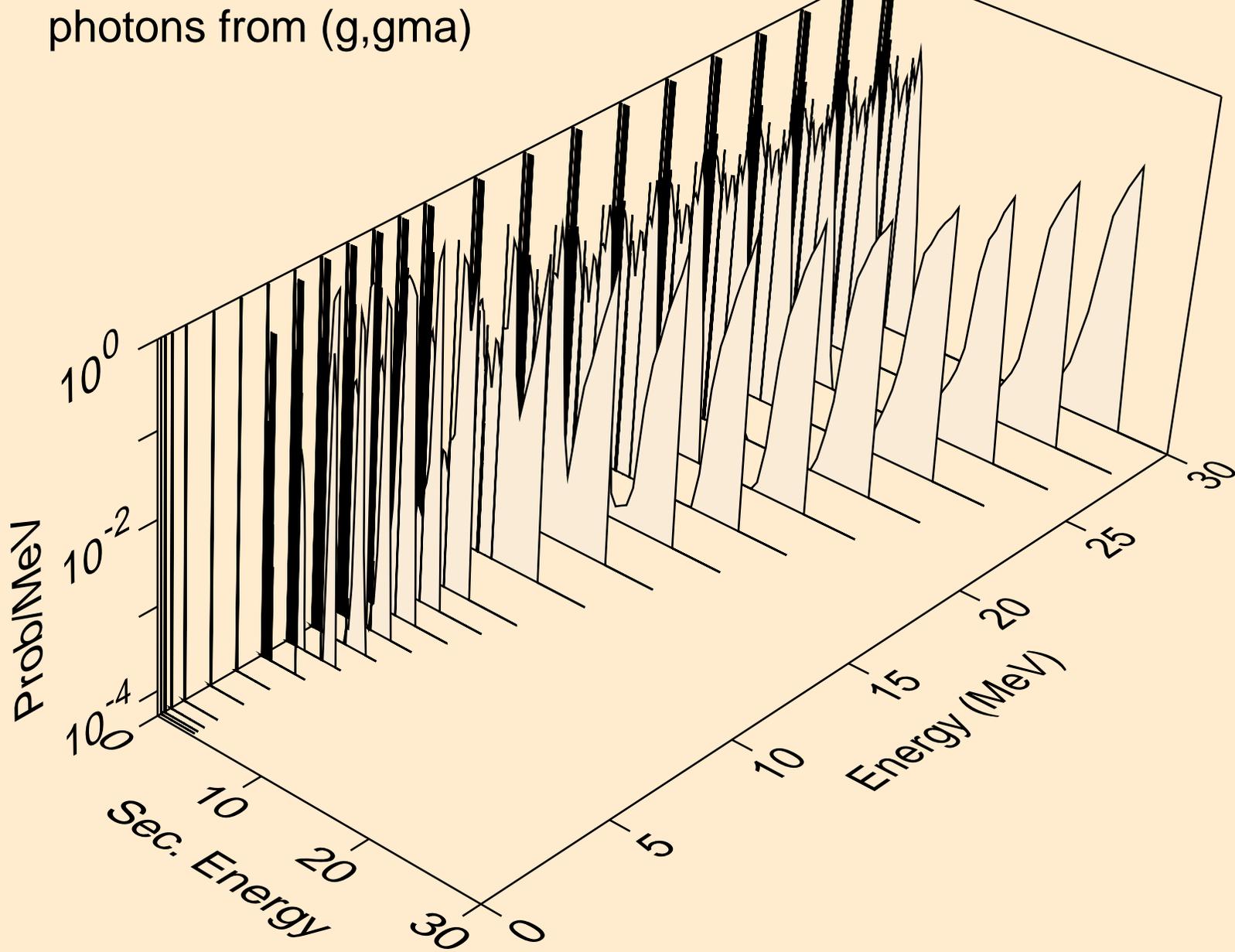PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,4n)

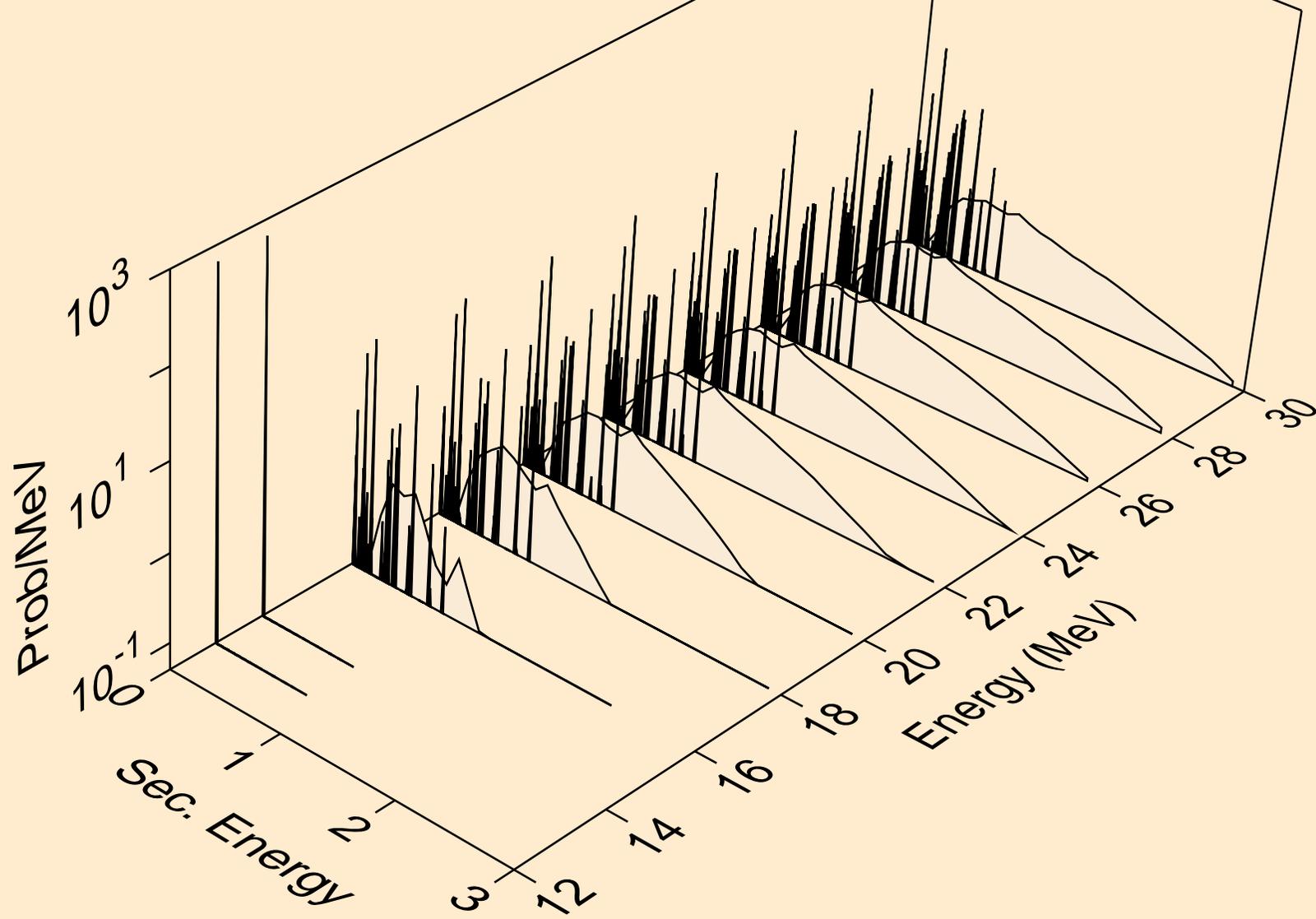PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2np)

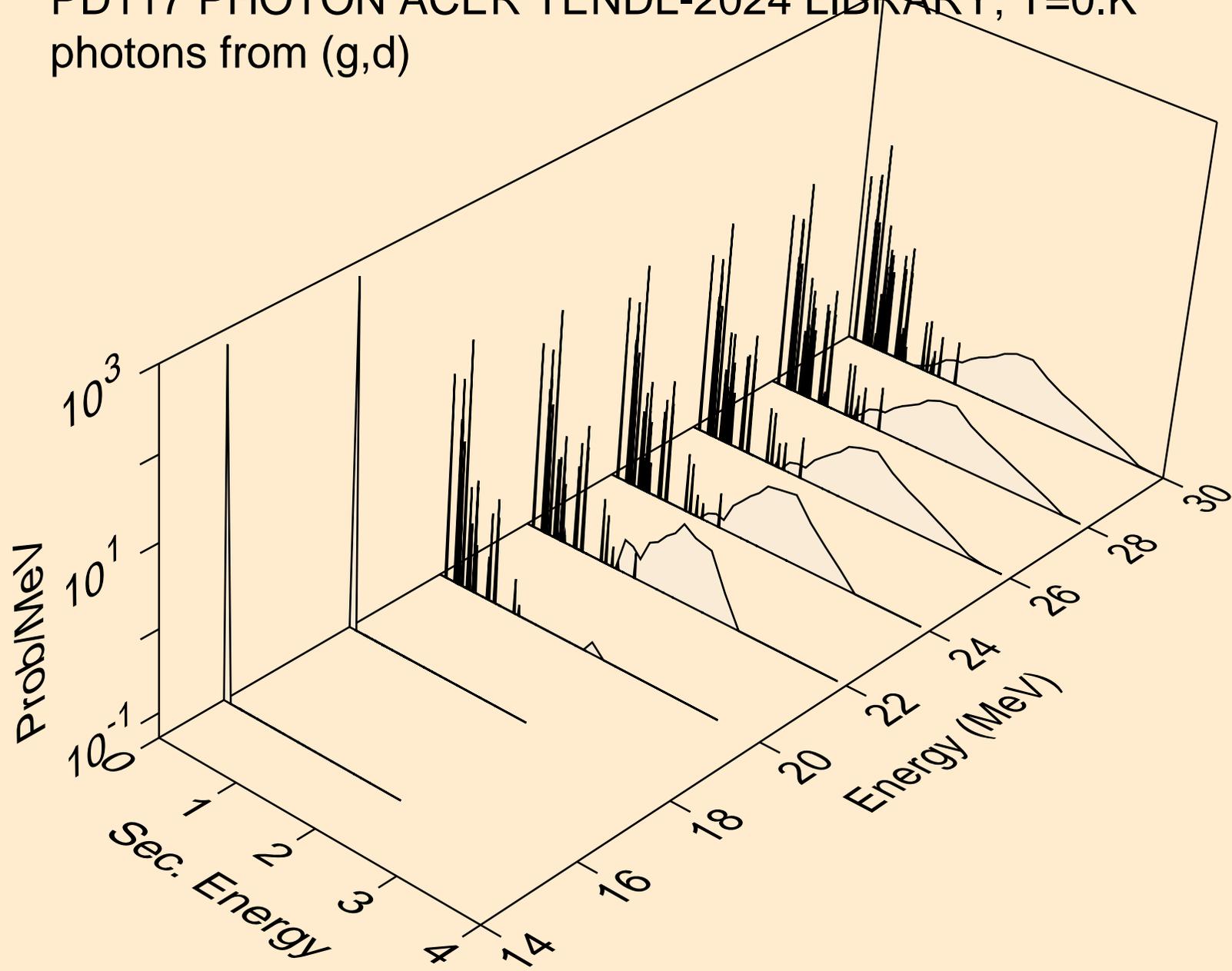PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*c)

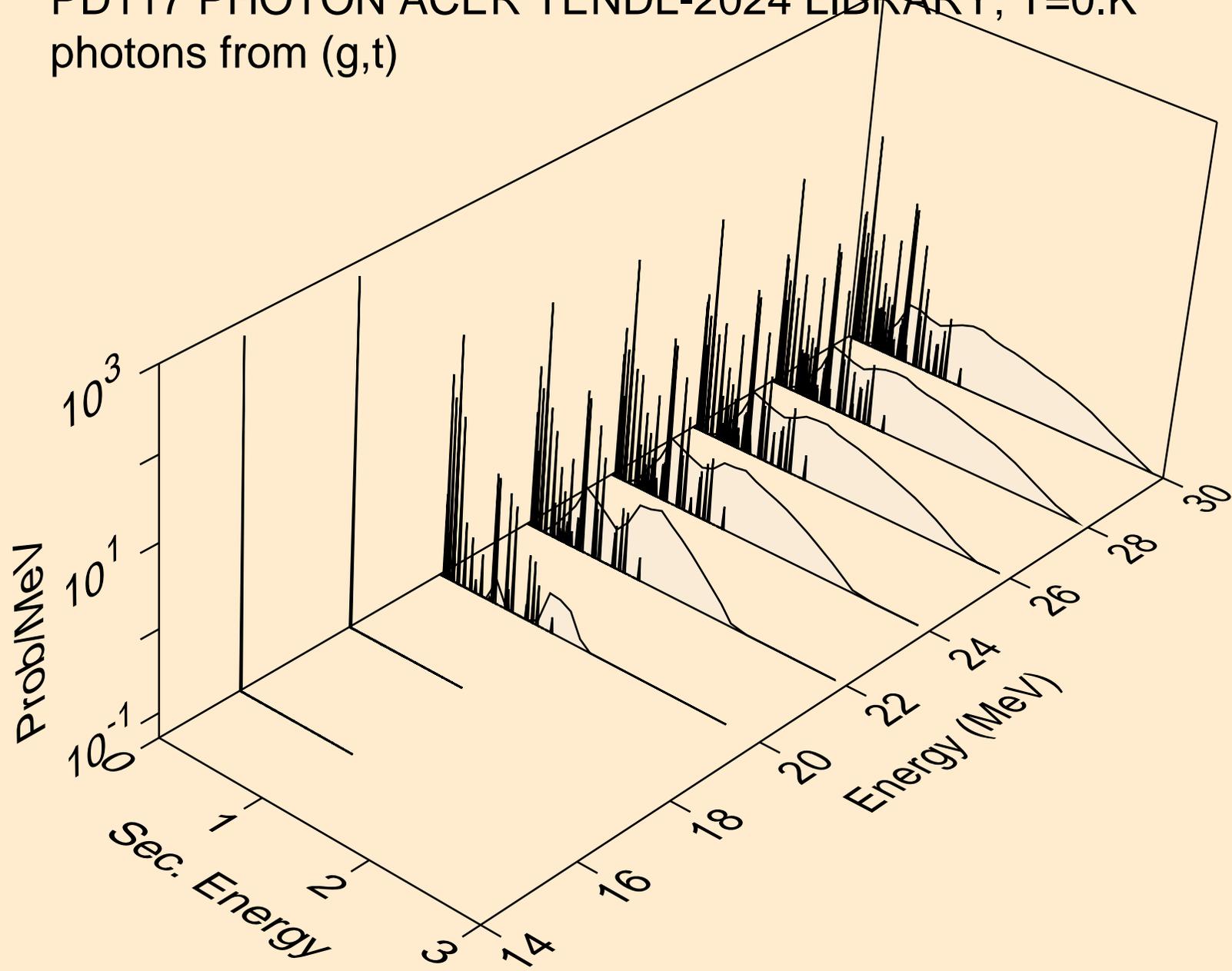PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,gma)

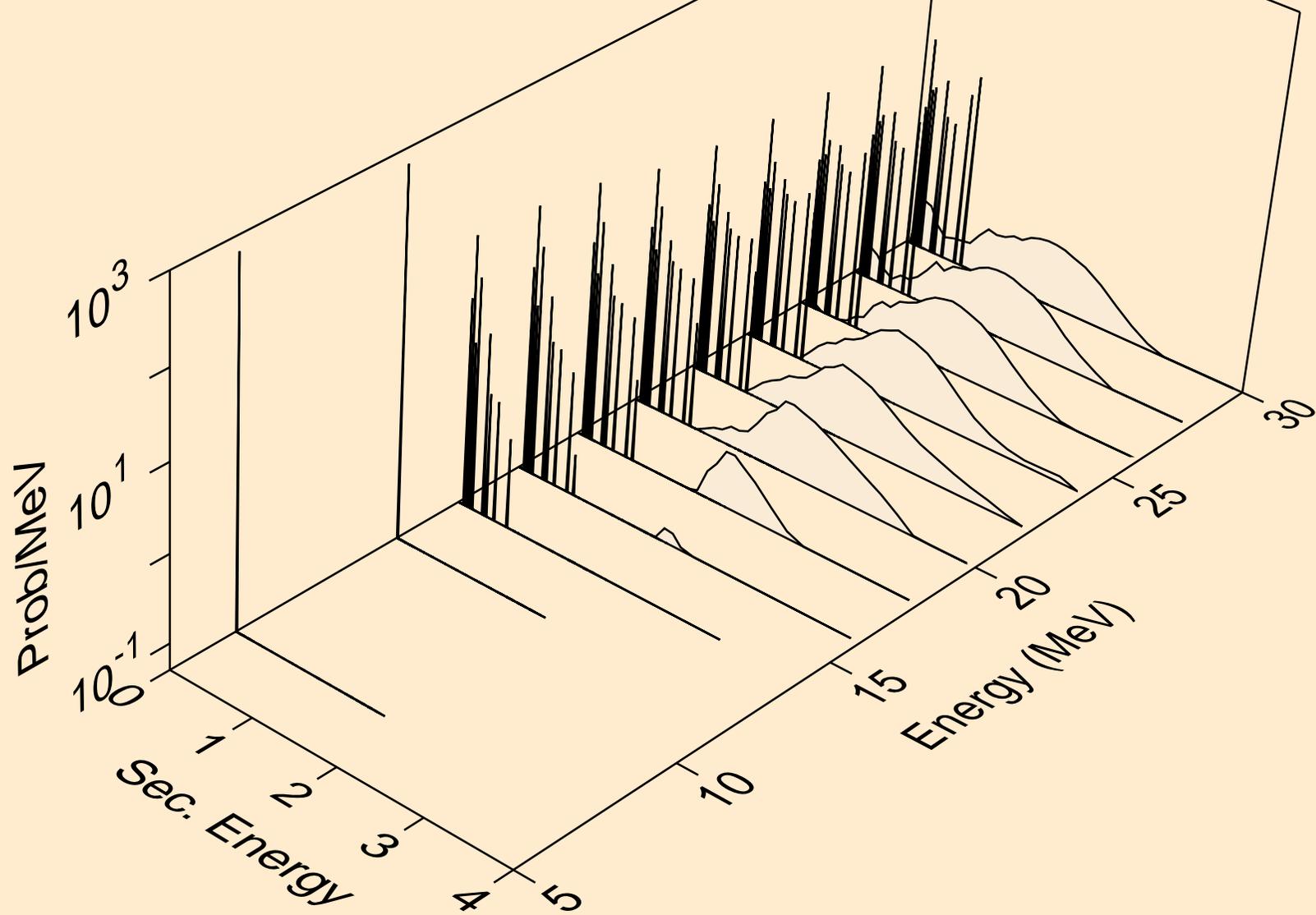PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,p)

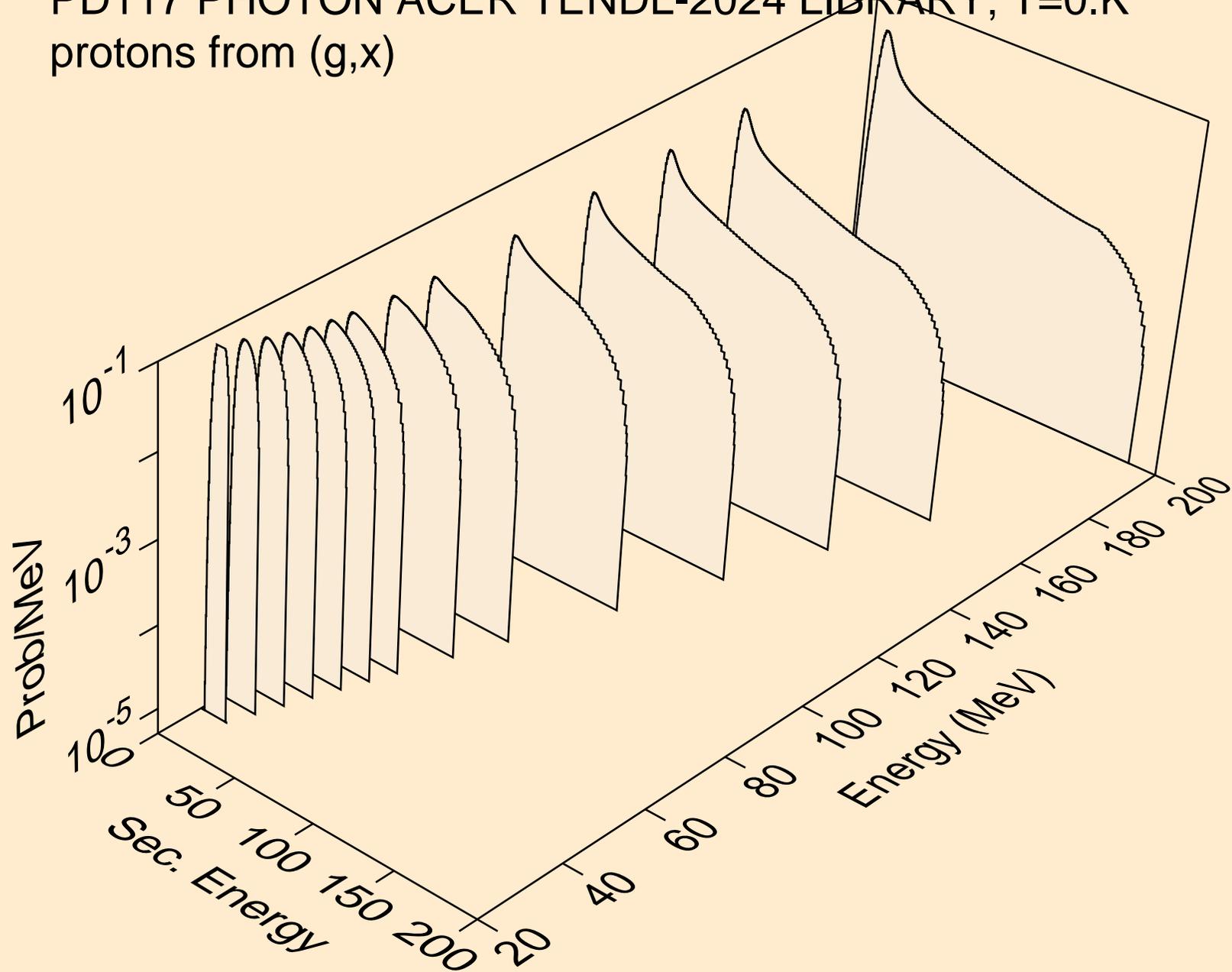PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,d)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
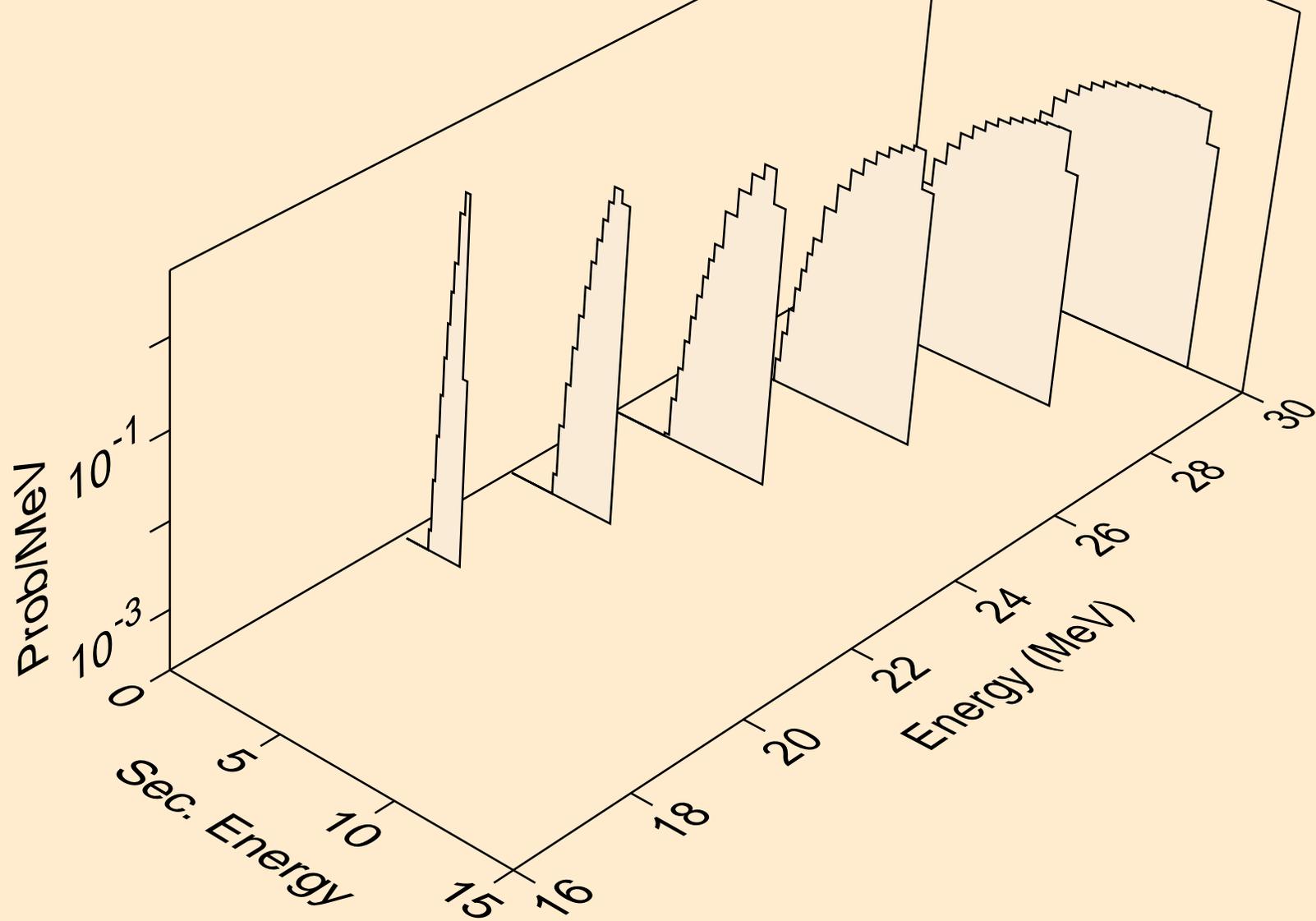photons from (g,t)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
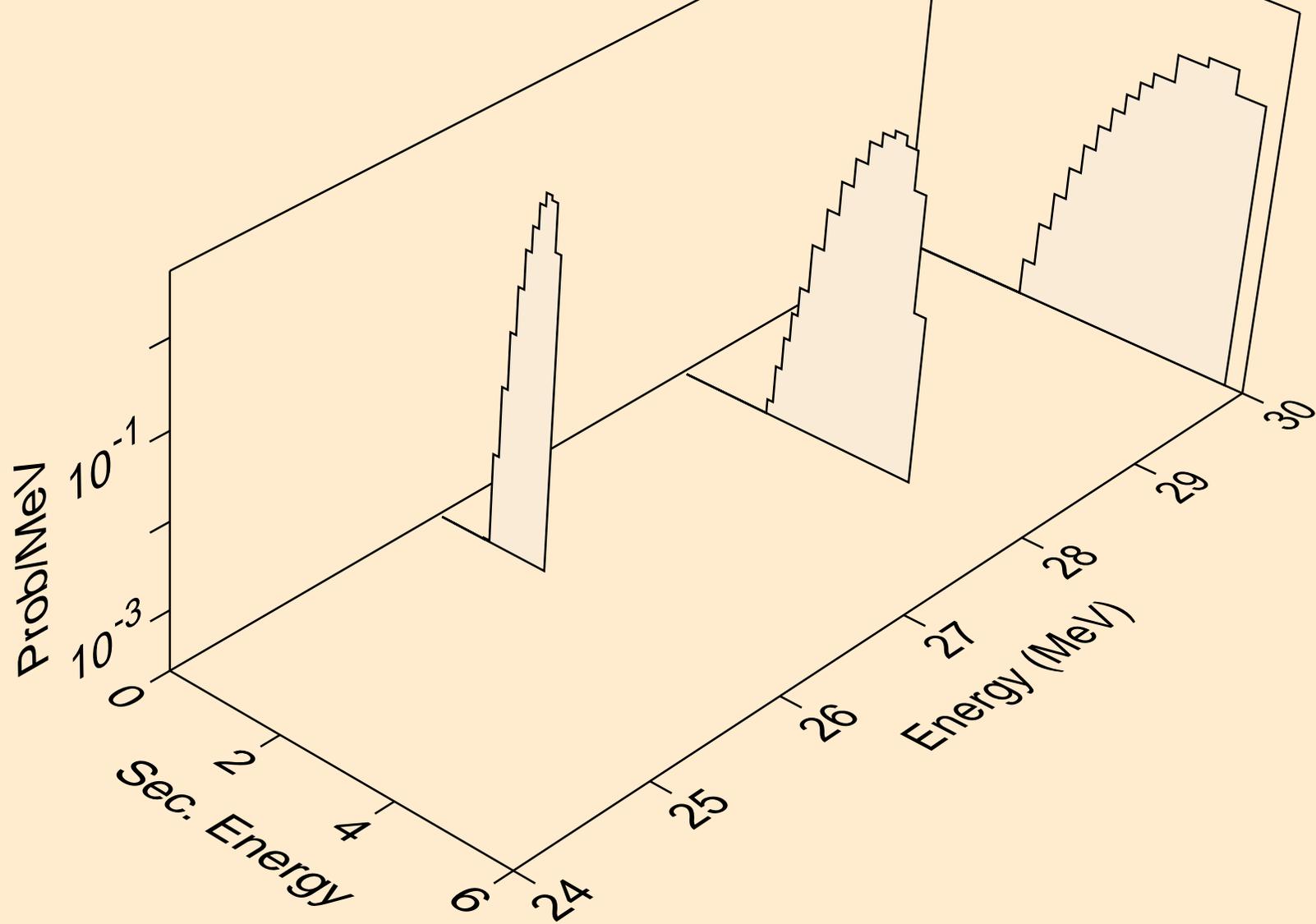photons from (g,a)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
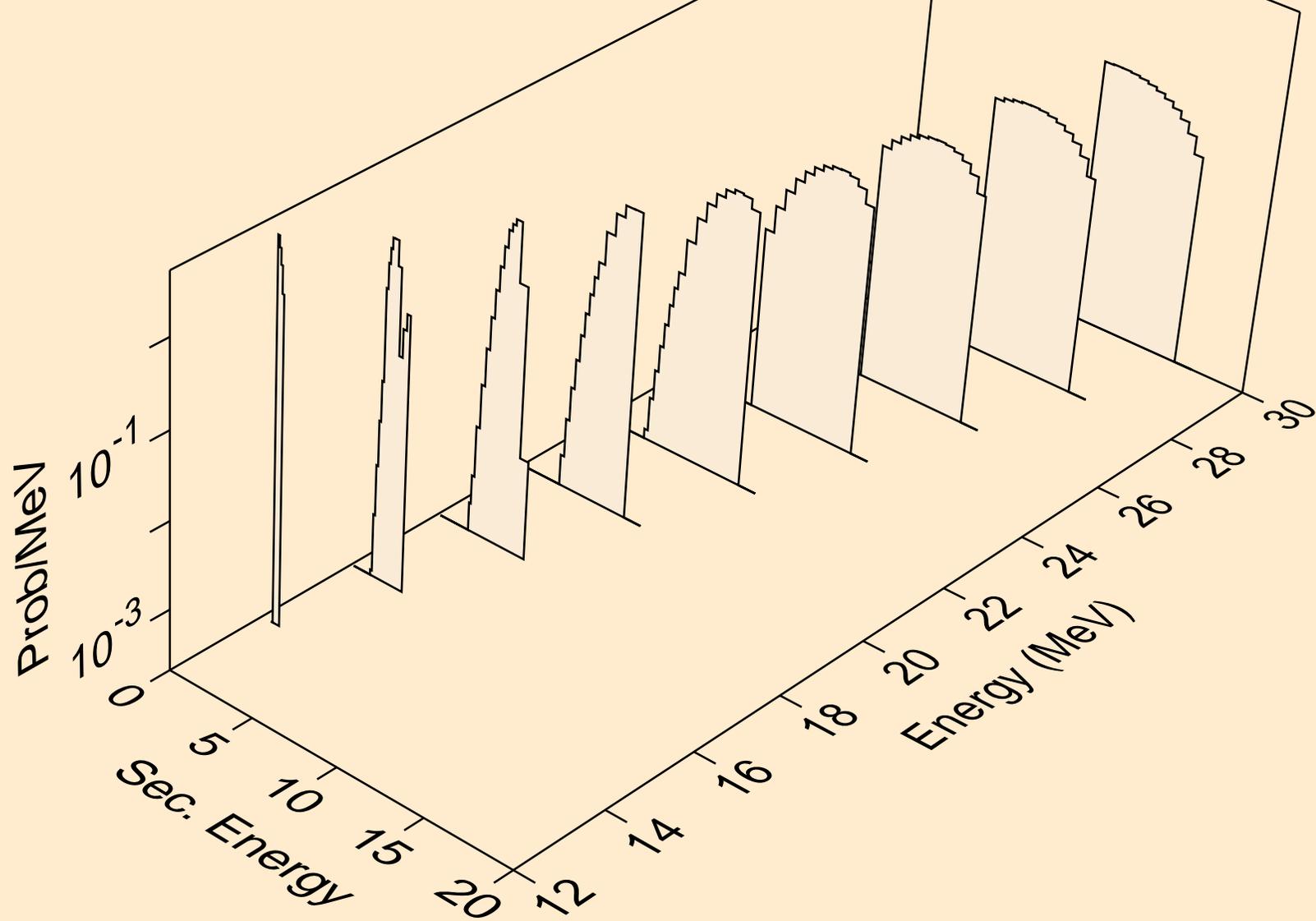protons from (g,x)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
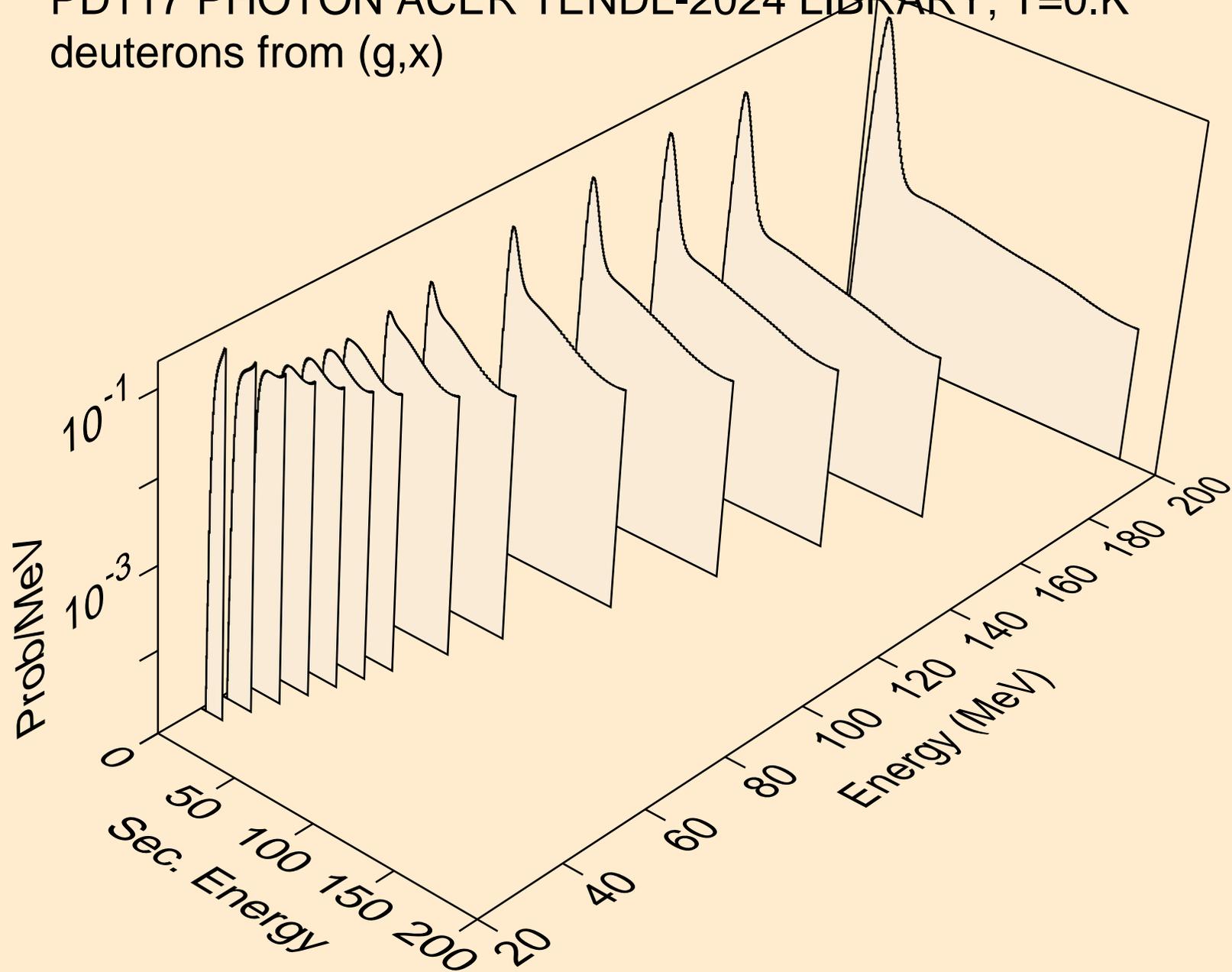protons from (g,n*)p

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
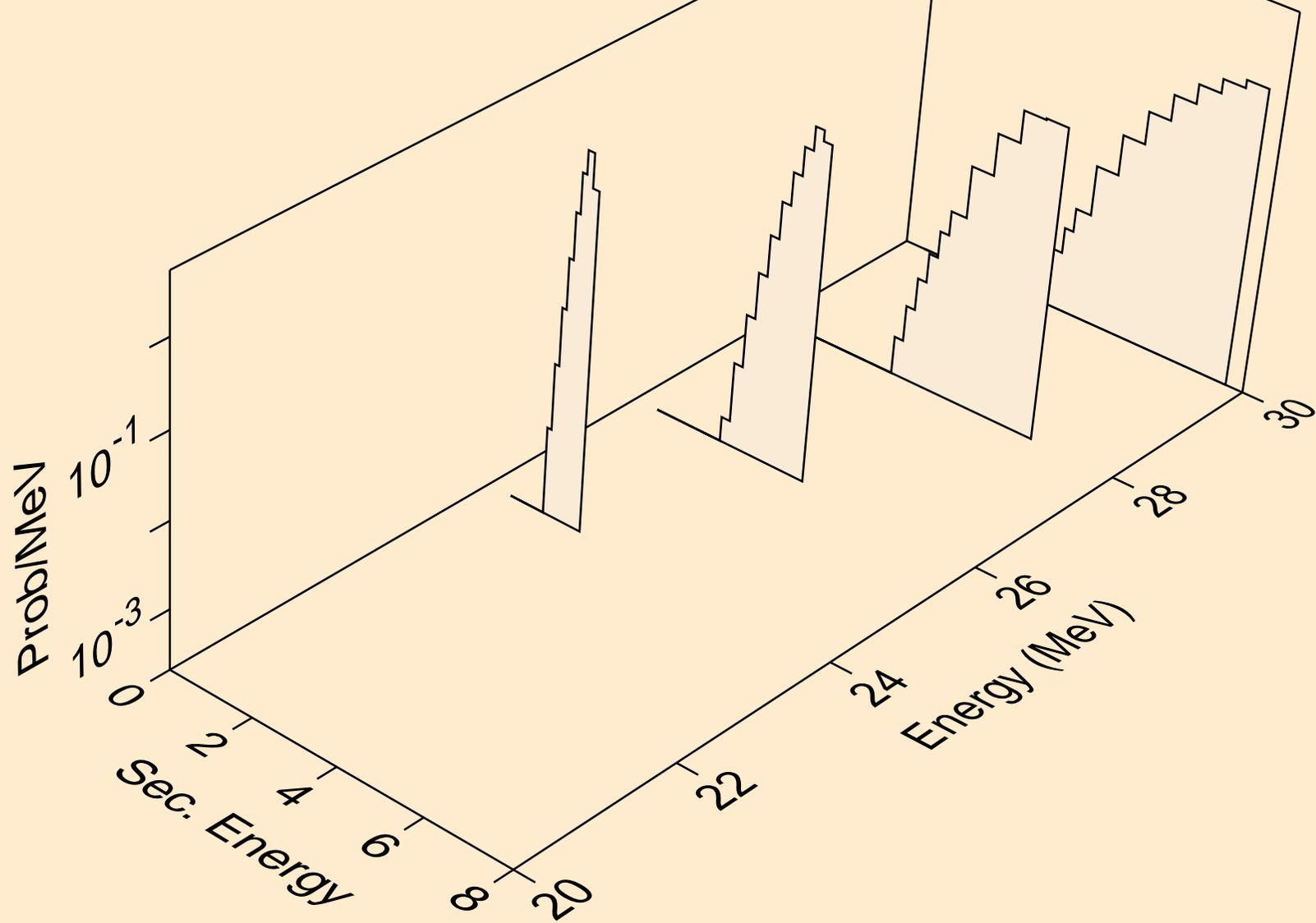protons from (g,2np)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
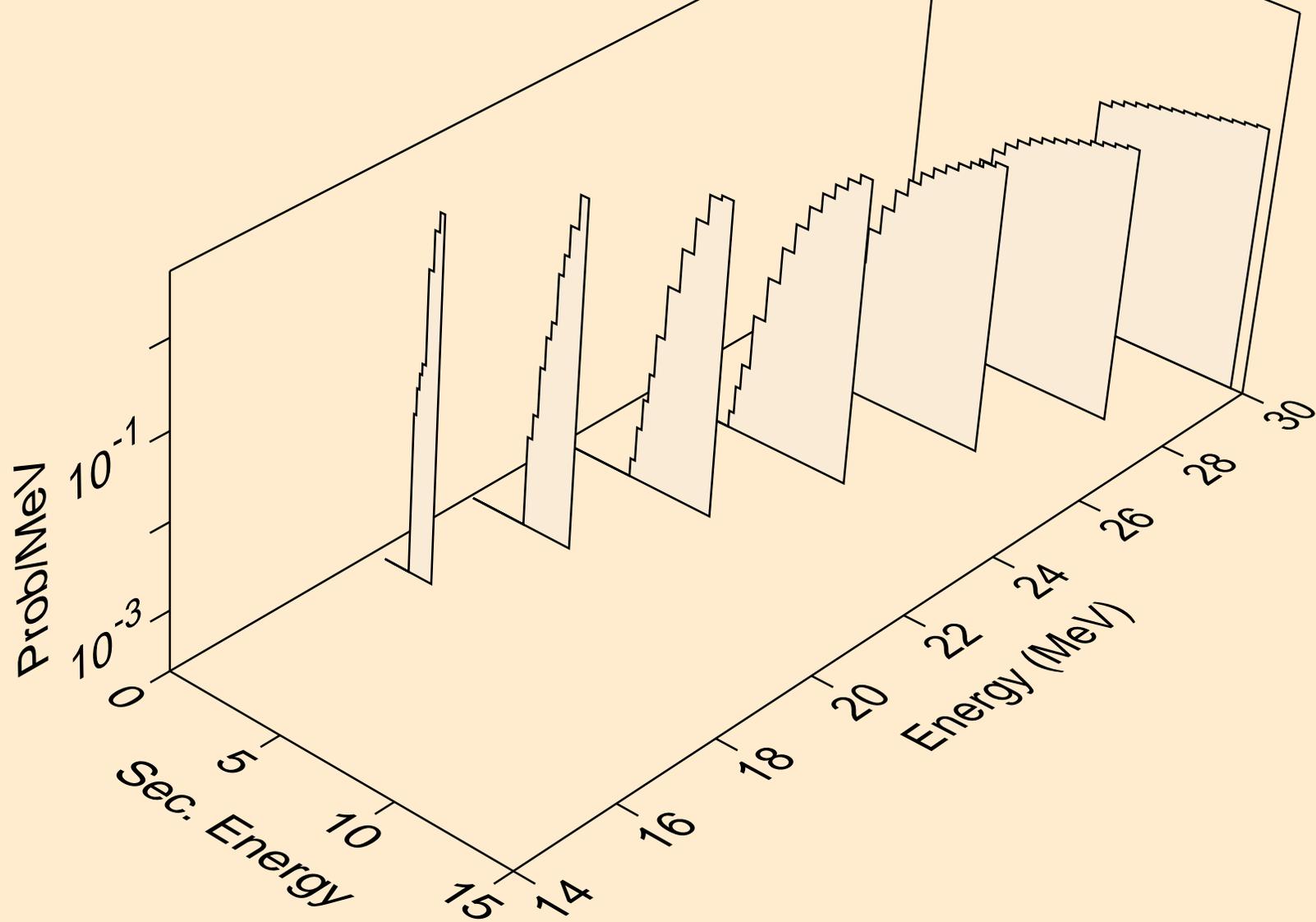protons from (g,p)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
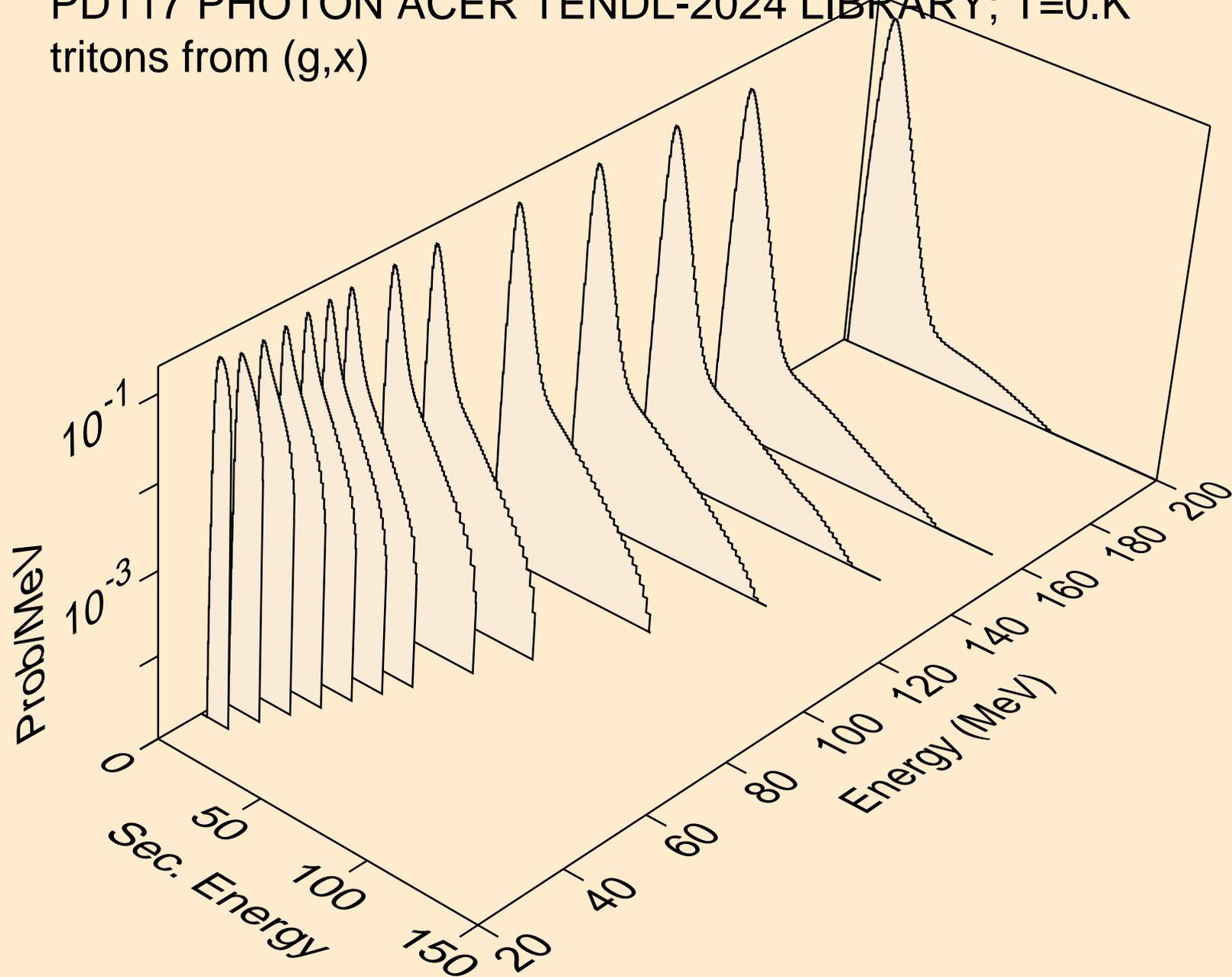deuterons from (g,x)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
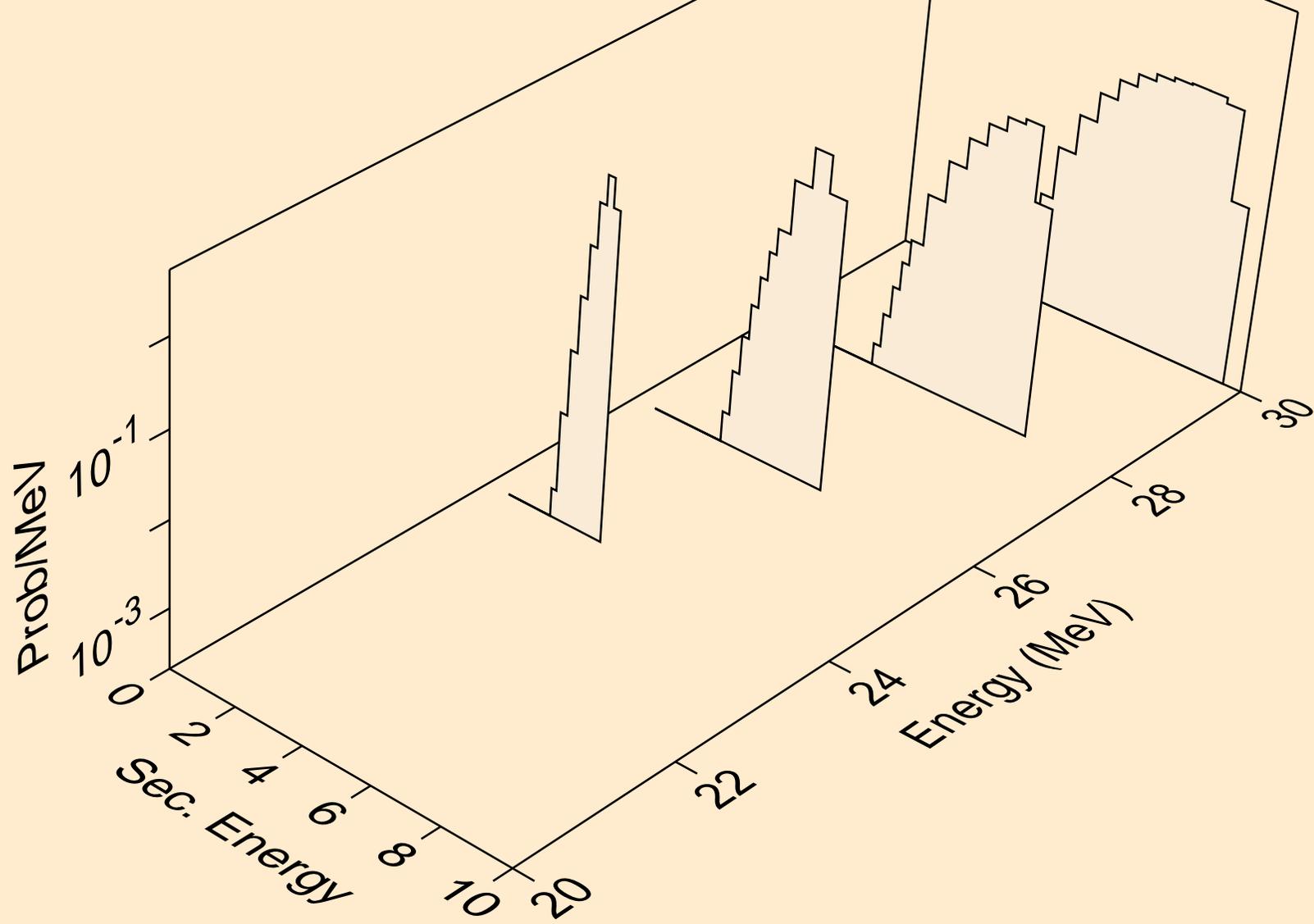deuterons from (g,n*)d

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
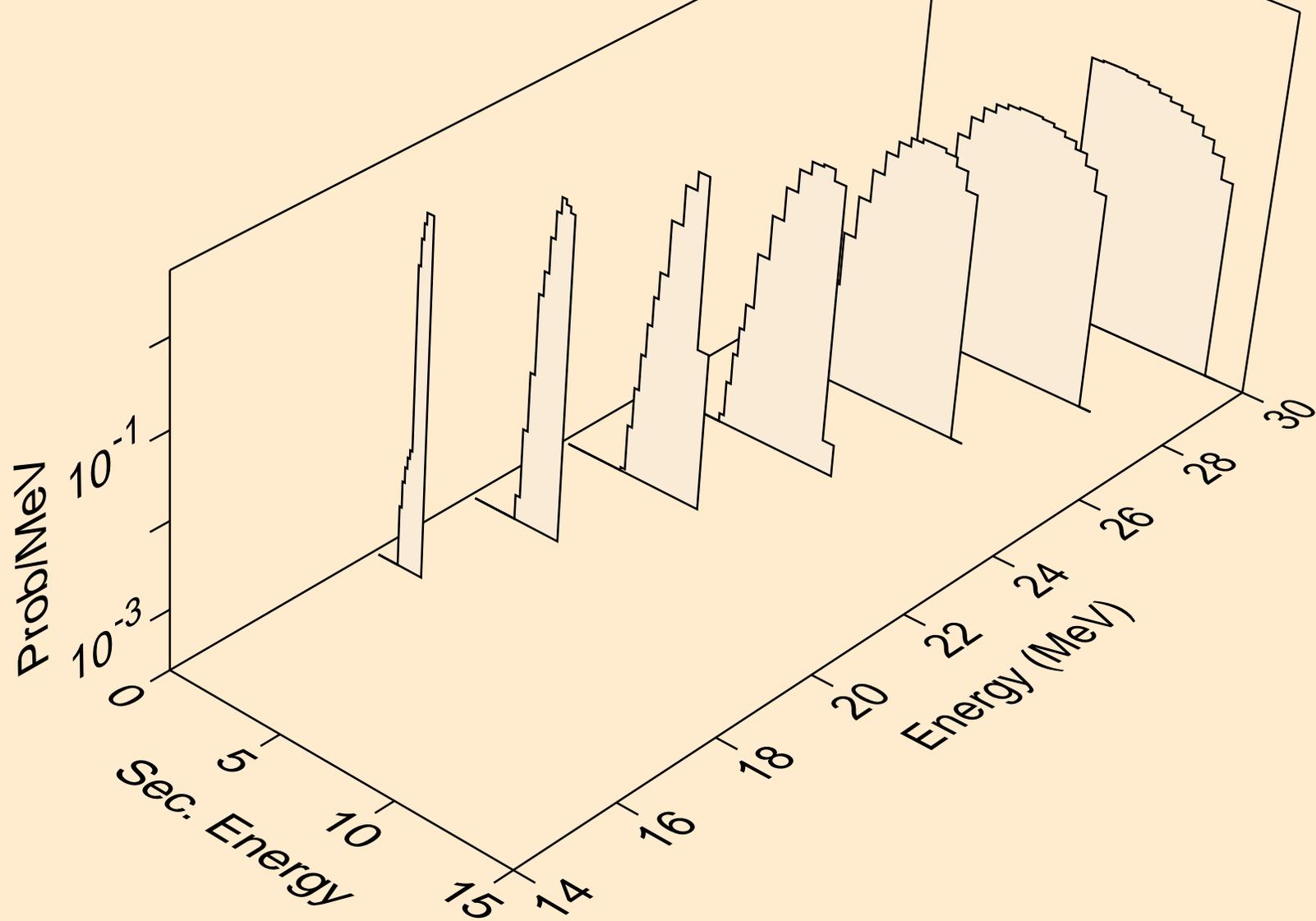deuterons from (g,d)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
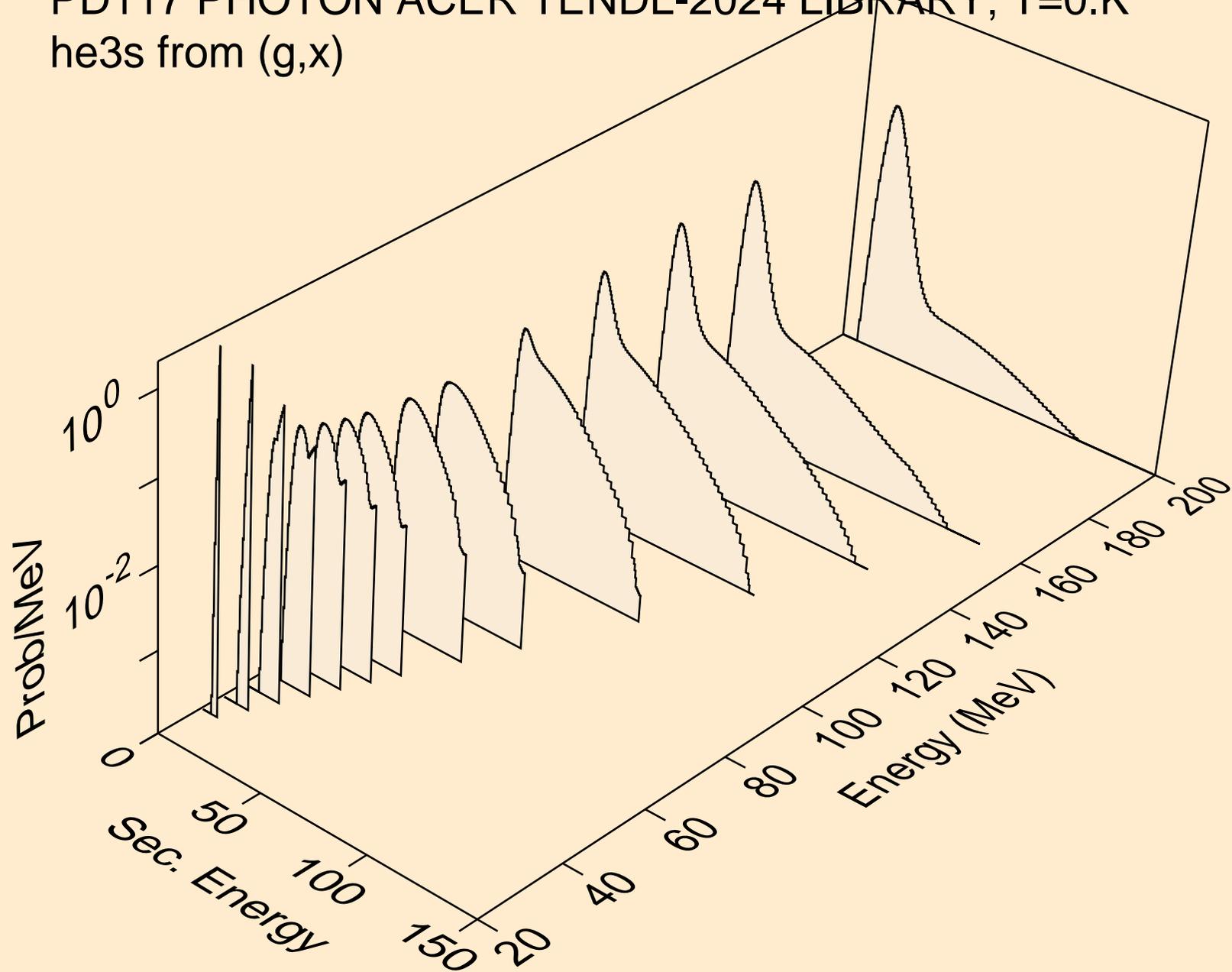tritons from (g,x)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
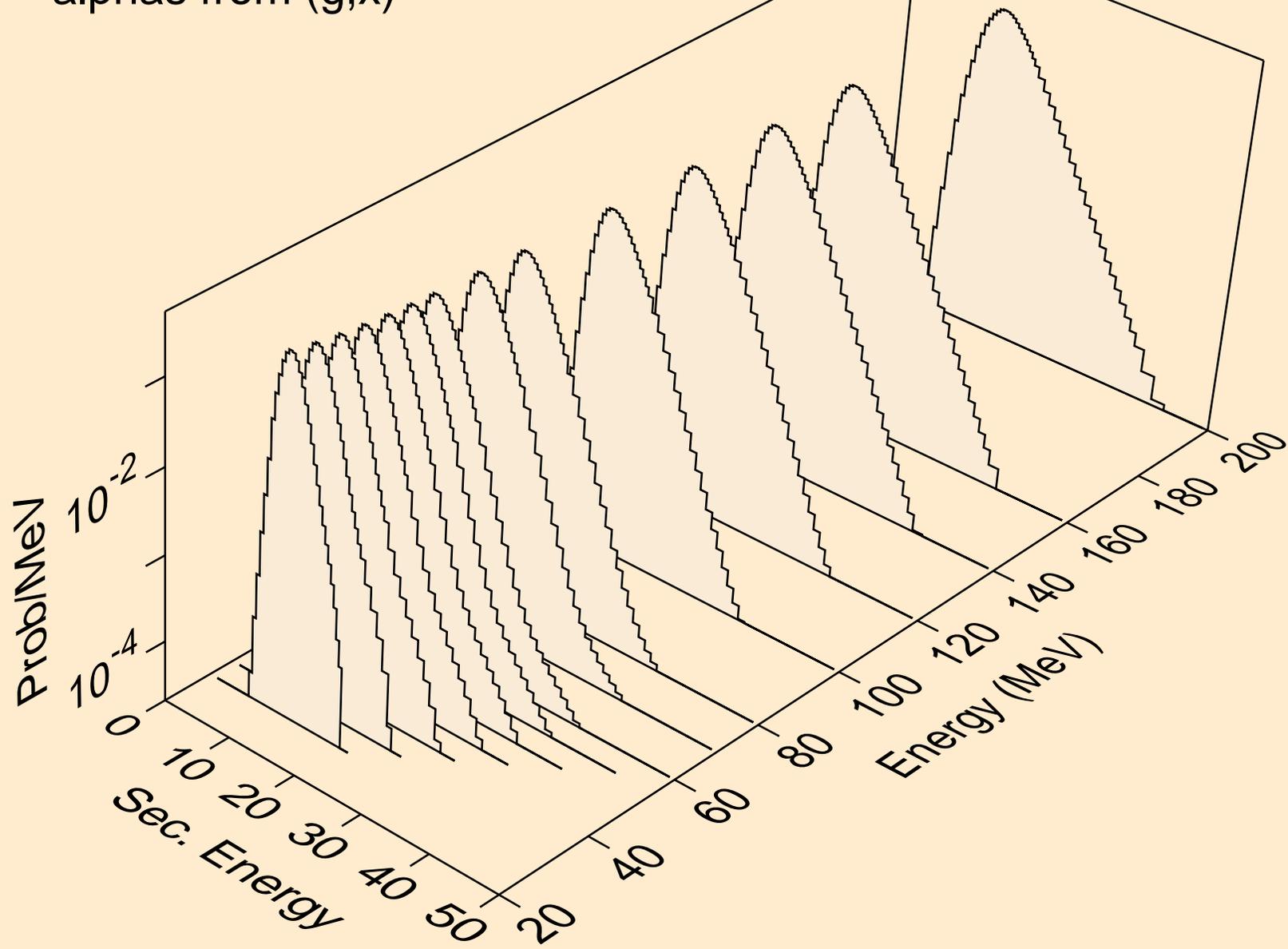tritons from (g,n*)t

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
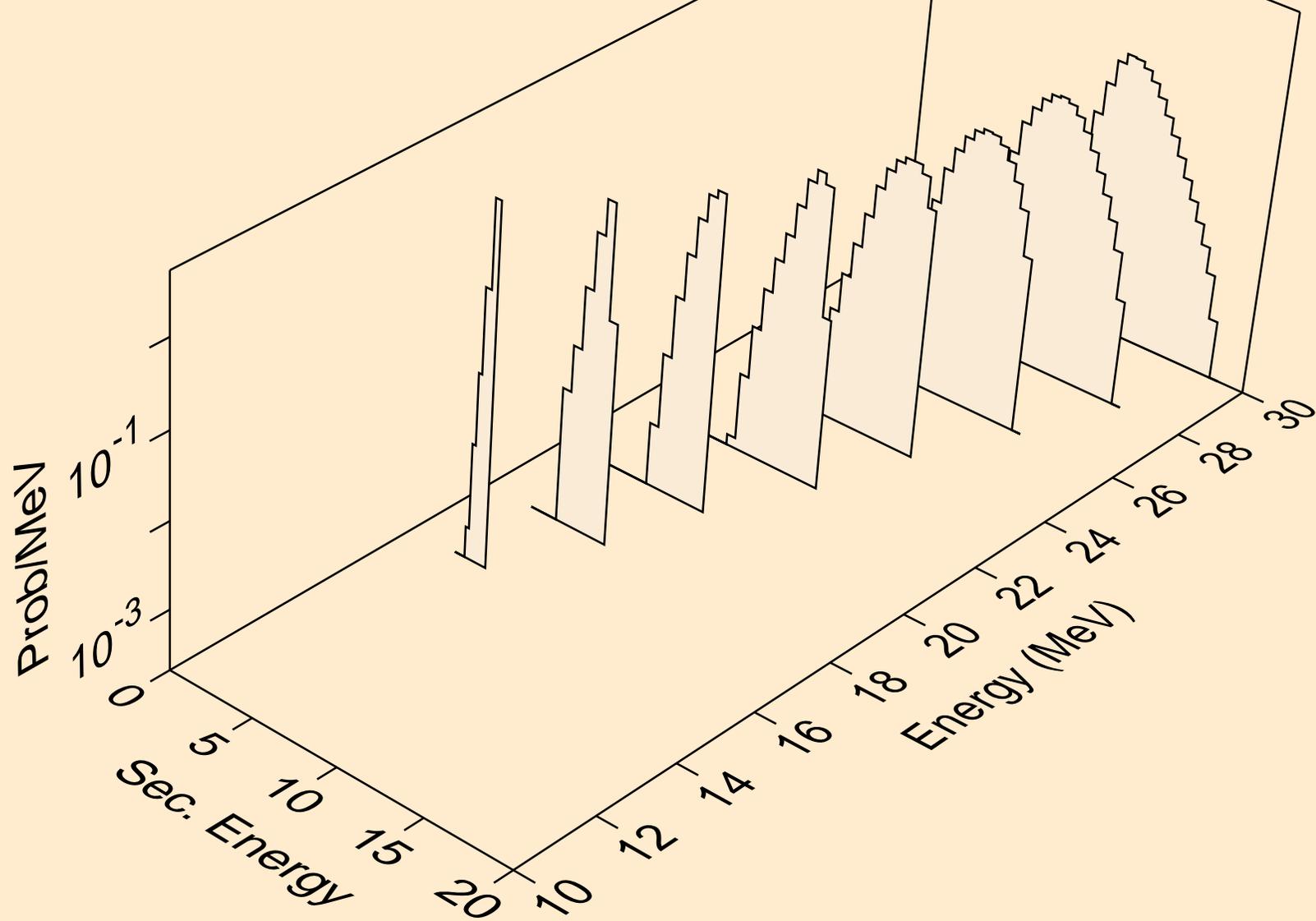tritons from (g,t)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
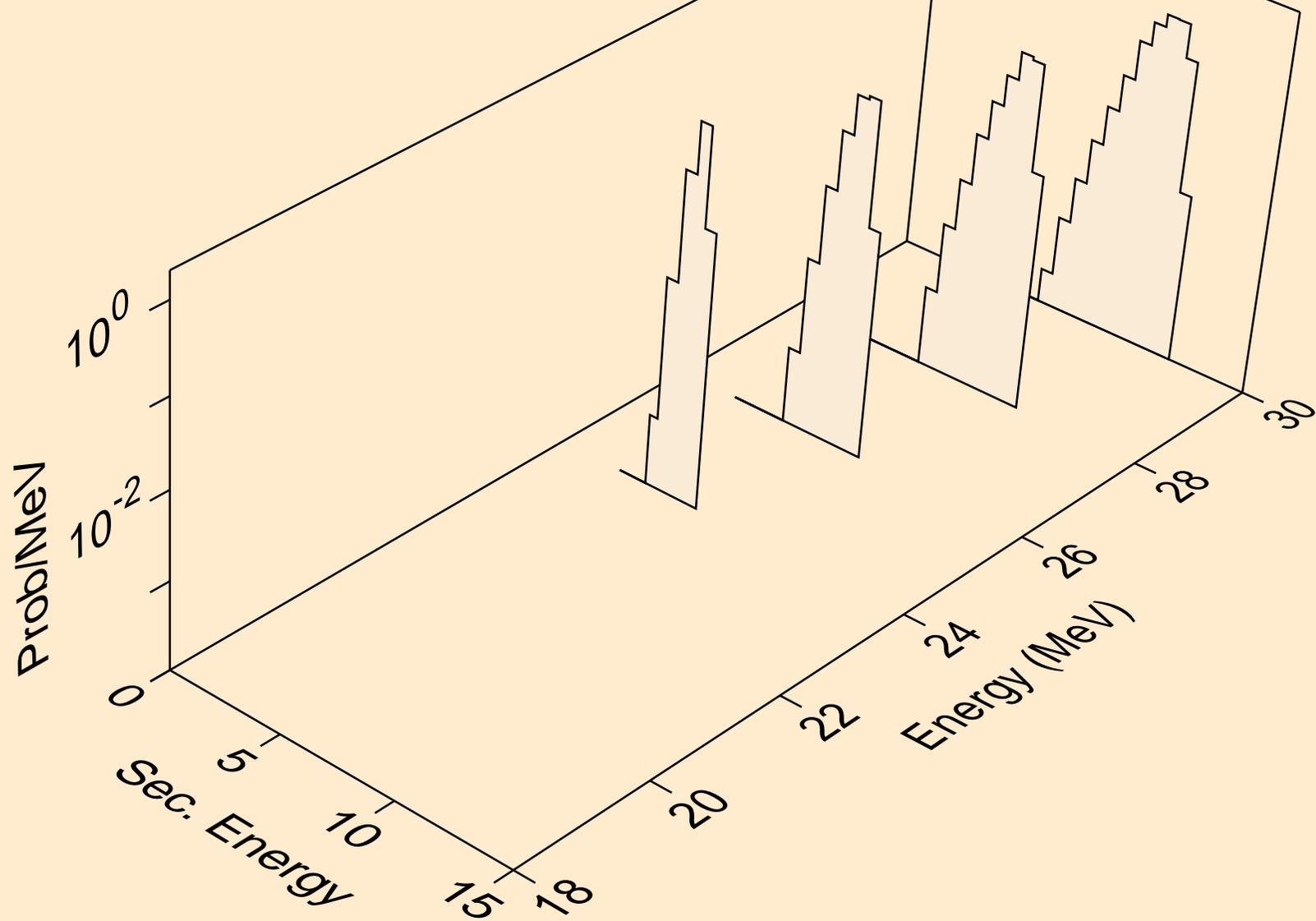he3s from (g,x)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,x)

Prob/MeV

10^{-2}

10^{-4}

Sec. Energy

Energy (MeV)

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,n*)a

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,2n)a

PD117 PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,a)