AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

total
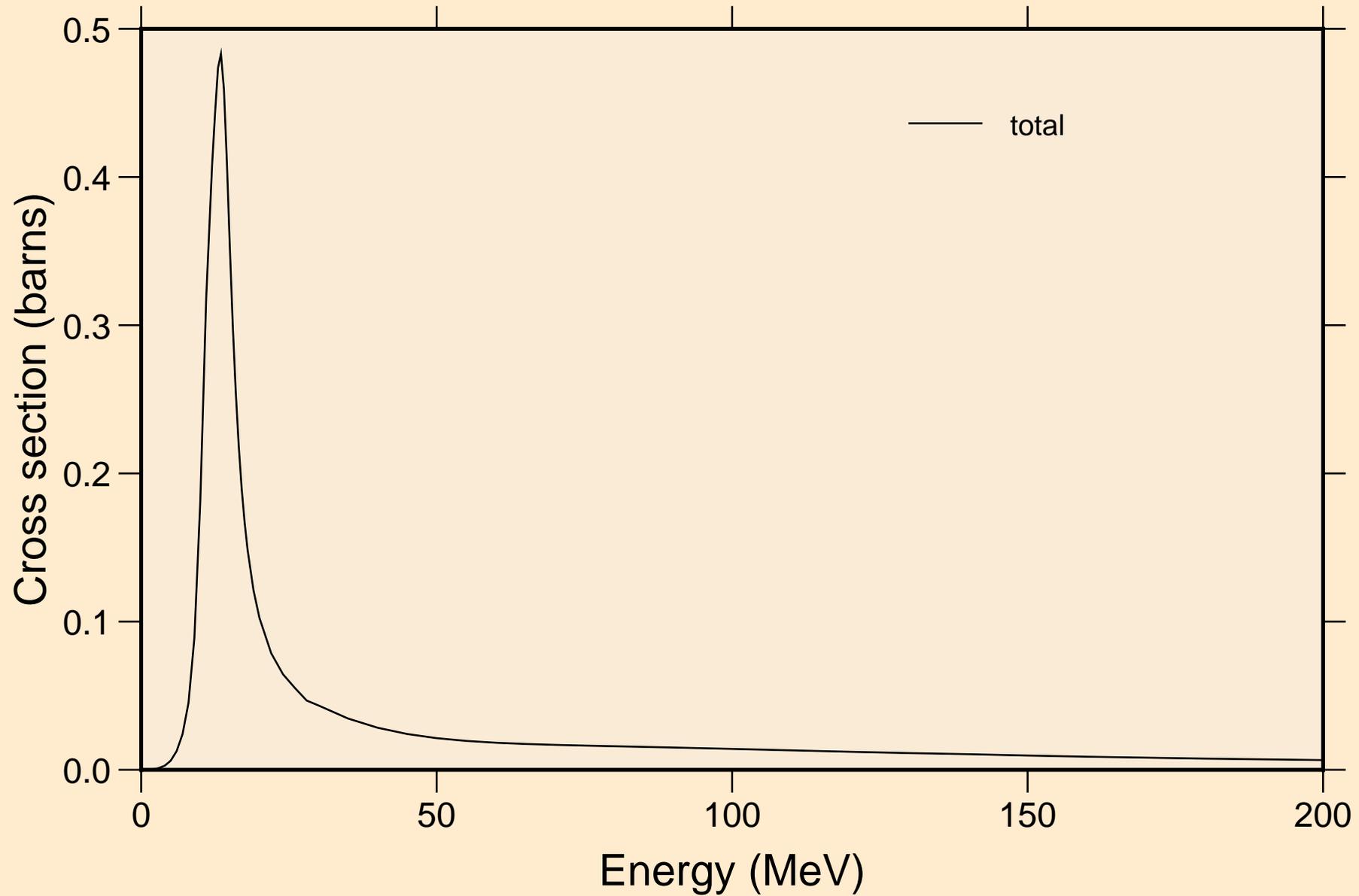
AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Partial cross sections

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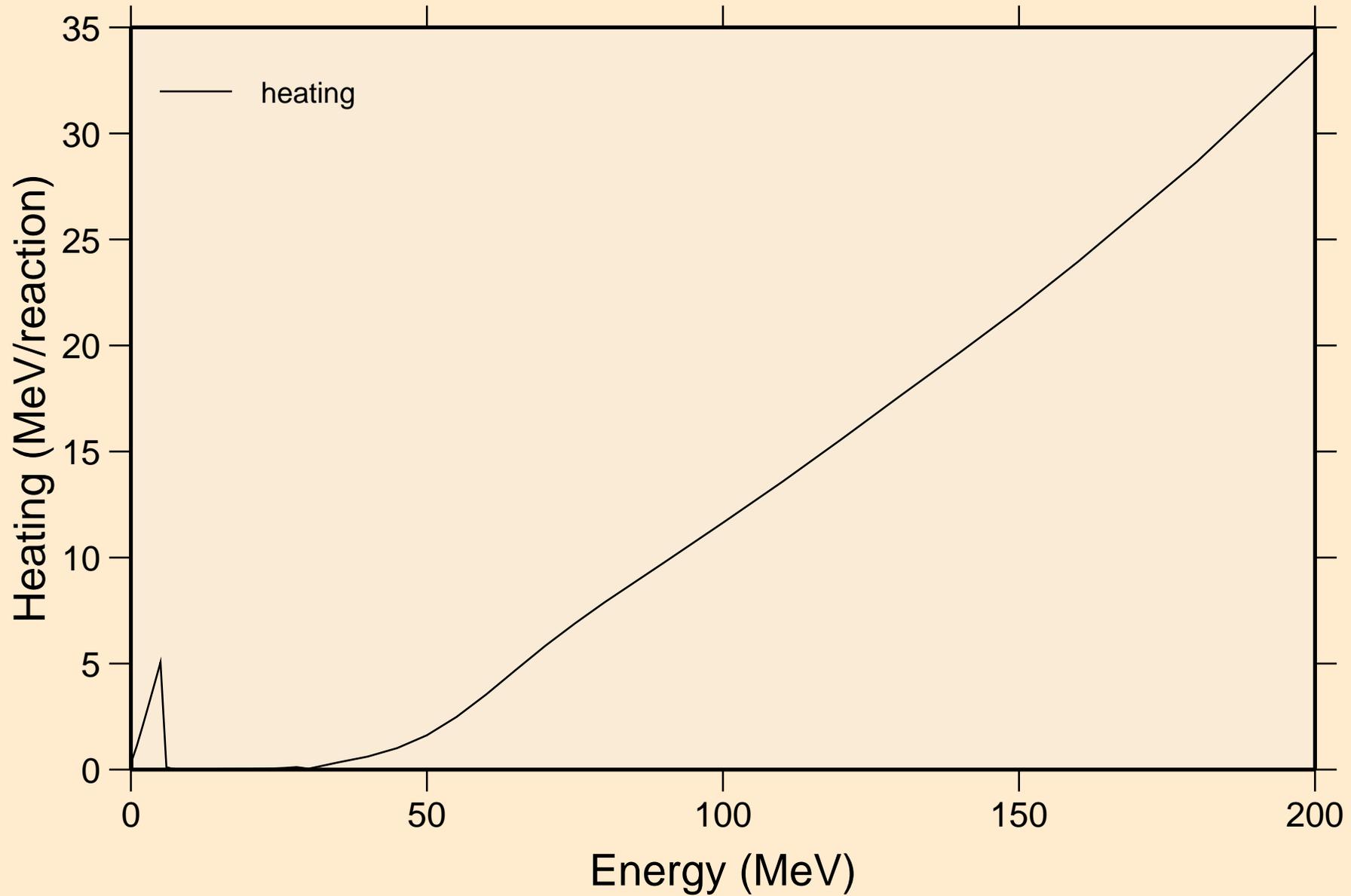- (g,gma)
- (g,p)
- (g,d)
- (g,t)
- (g,a)

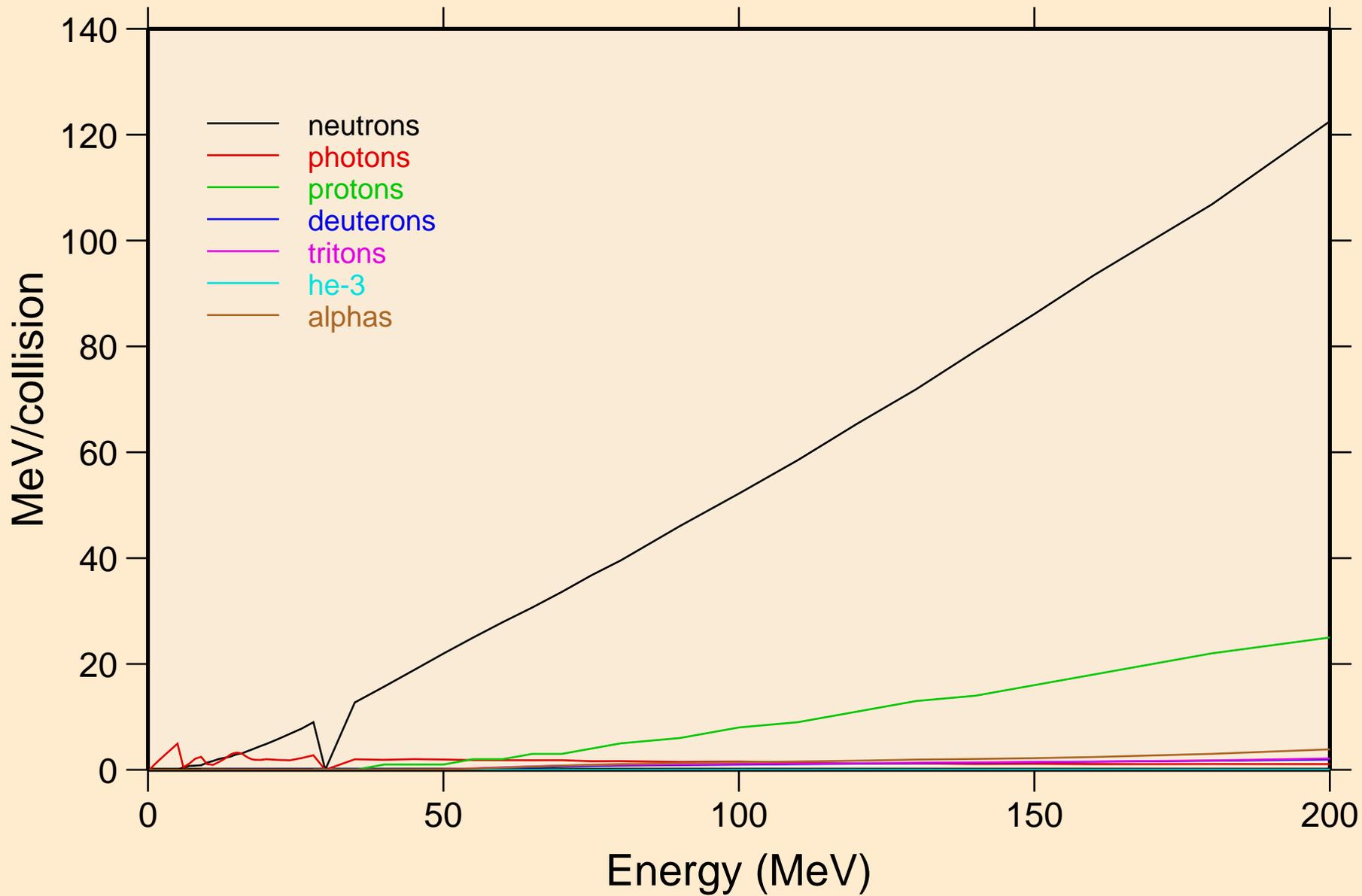Cross section (barns) vs Energy (MeV)
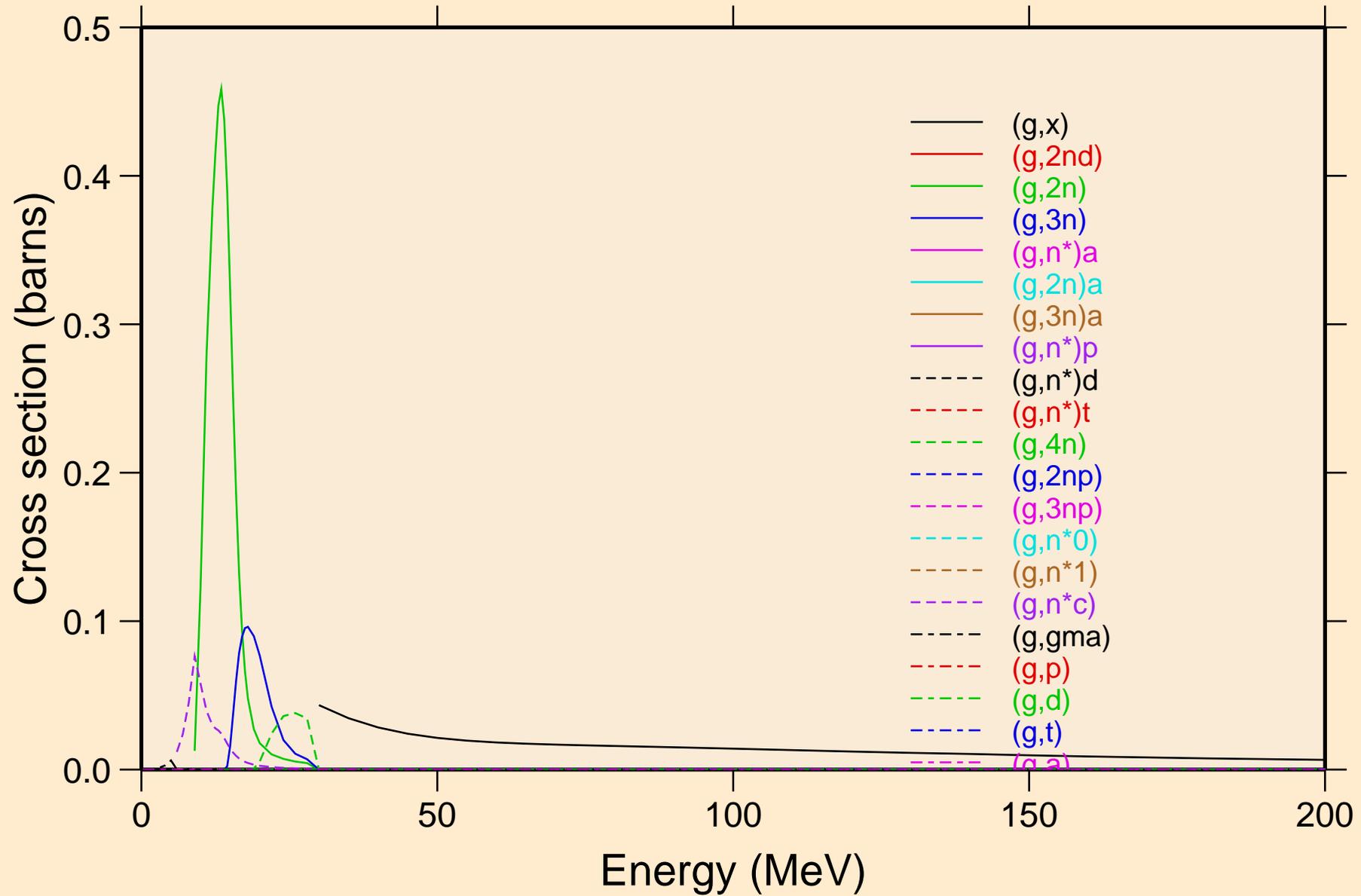
AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

neutrons
photons
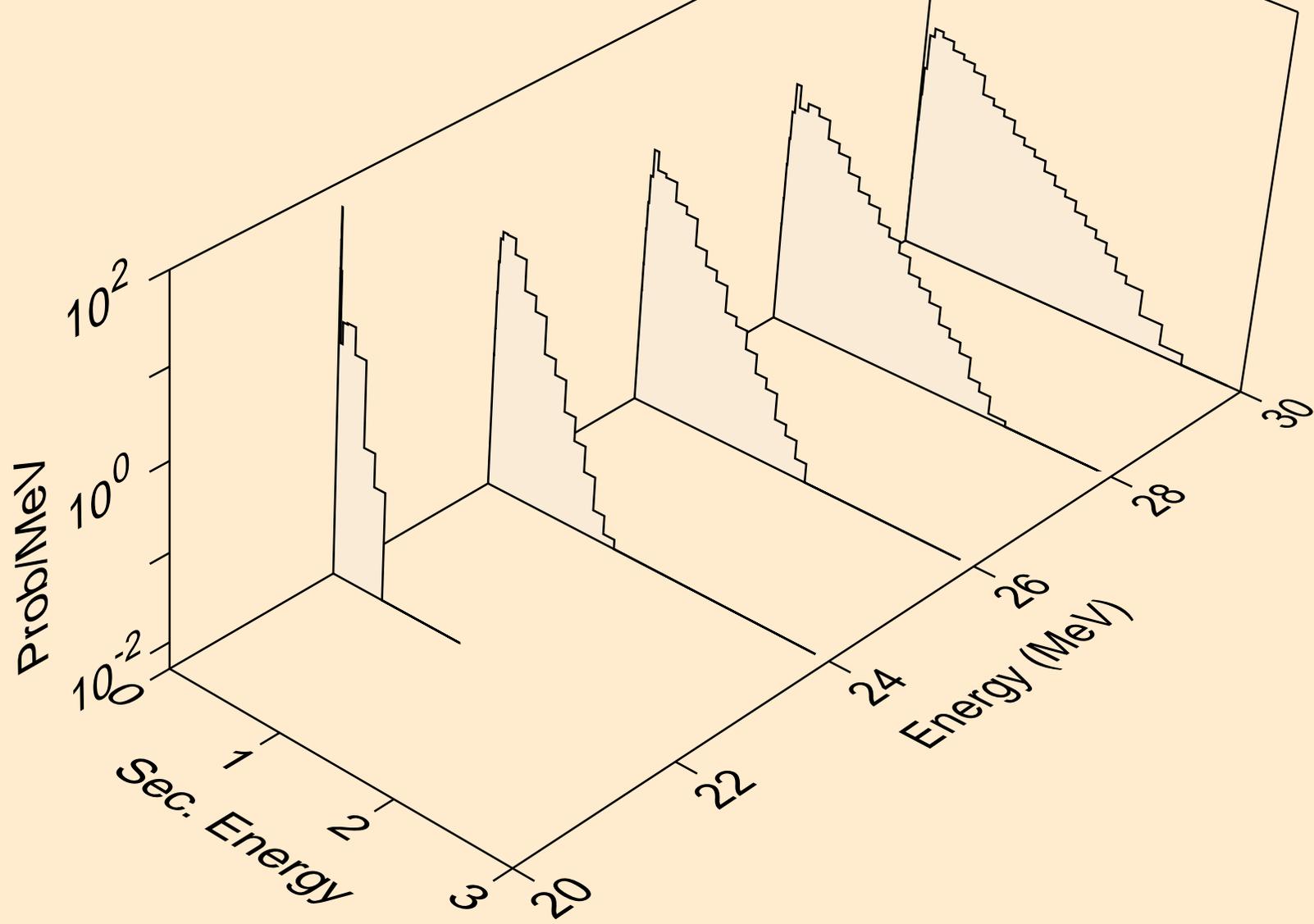protons
deuterons
tritons
he-3
alphas

MeV/collision

Energy (MeV)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections

Legend:
- neutrons
- photons/5
- protons
- deuterons
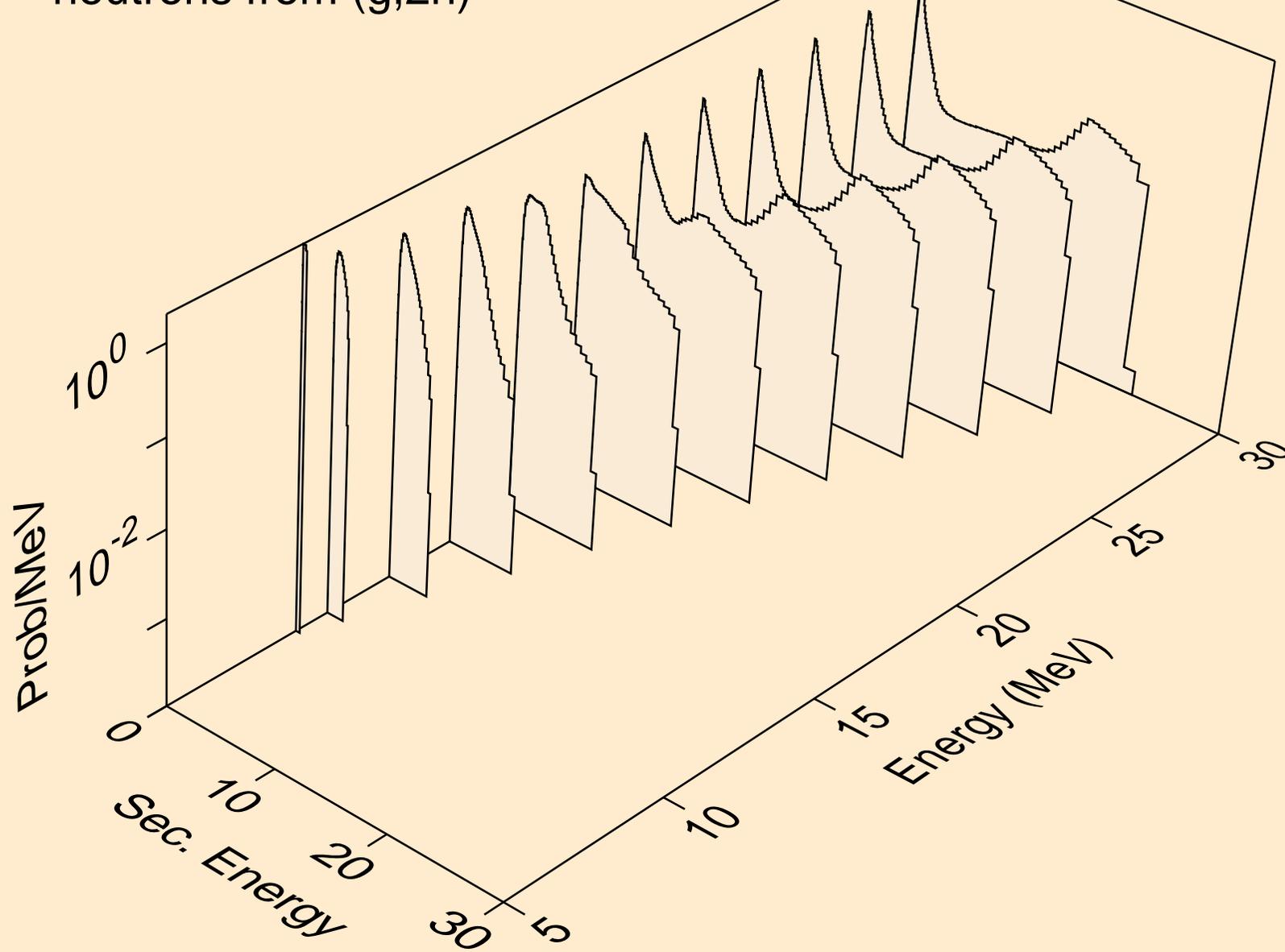- tritons
- he-3
- alphas
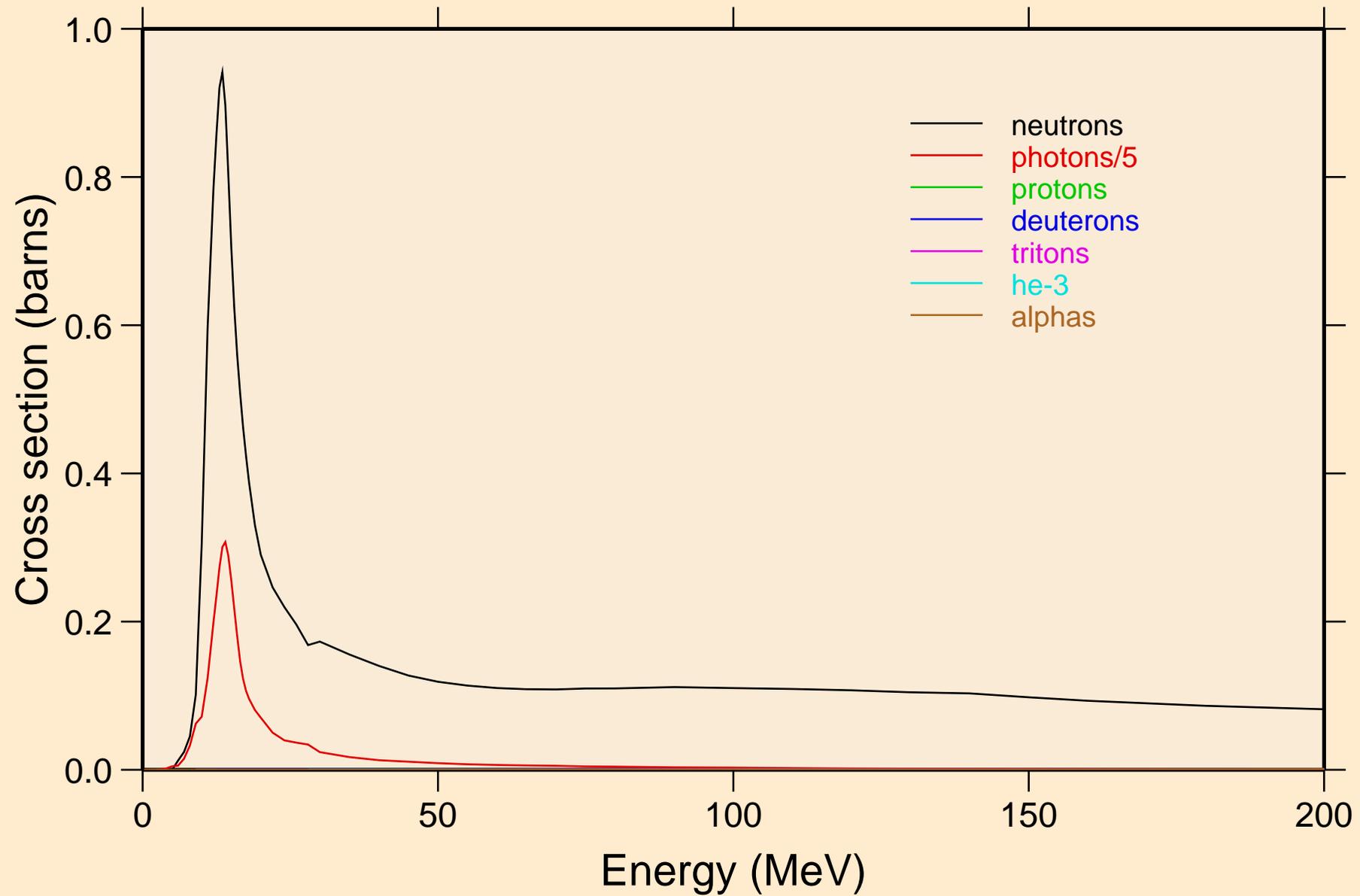
AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
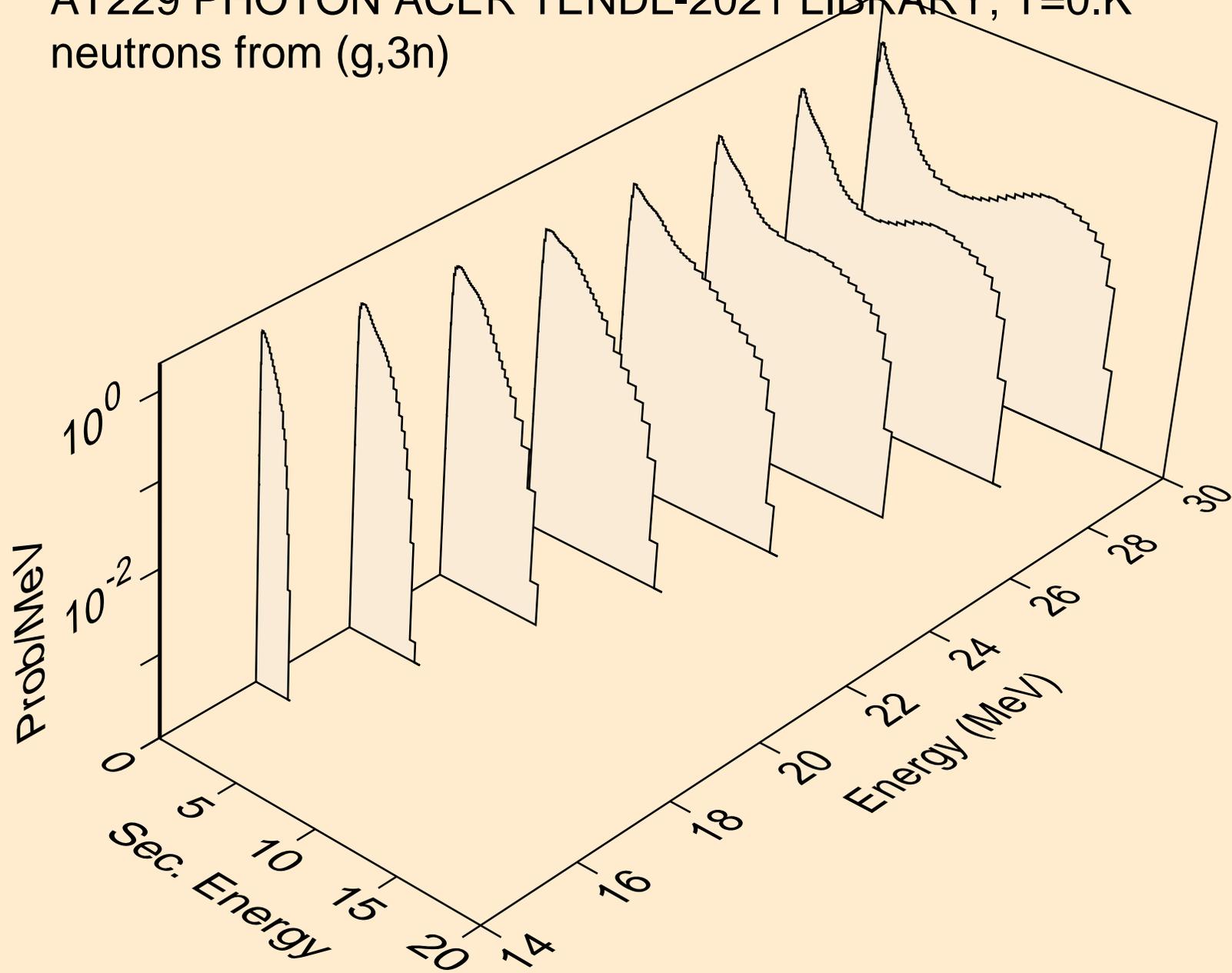neutrons from (g,x)
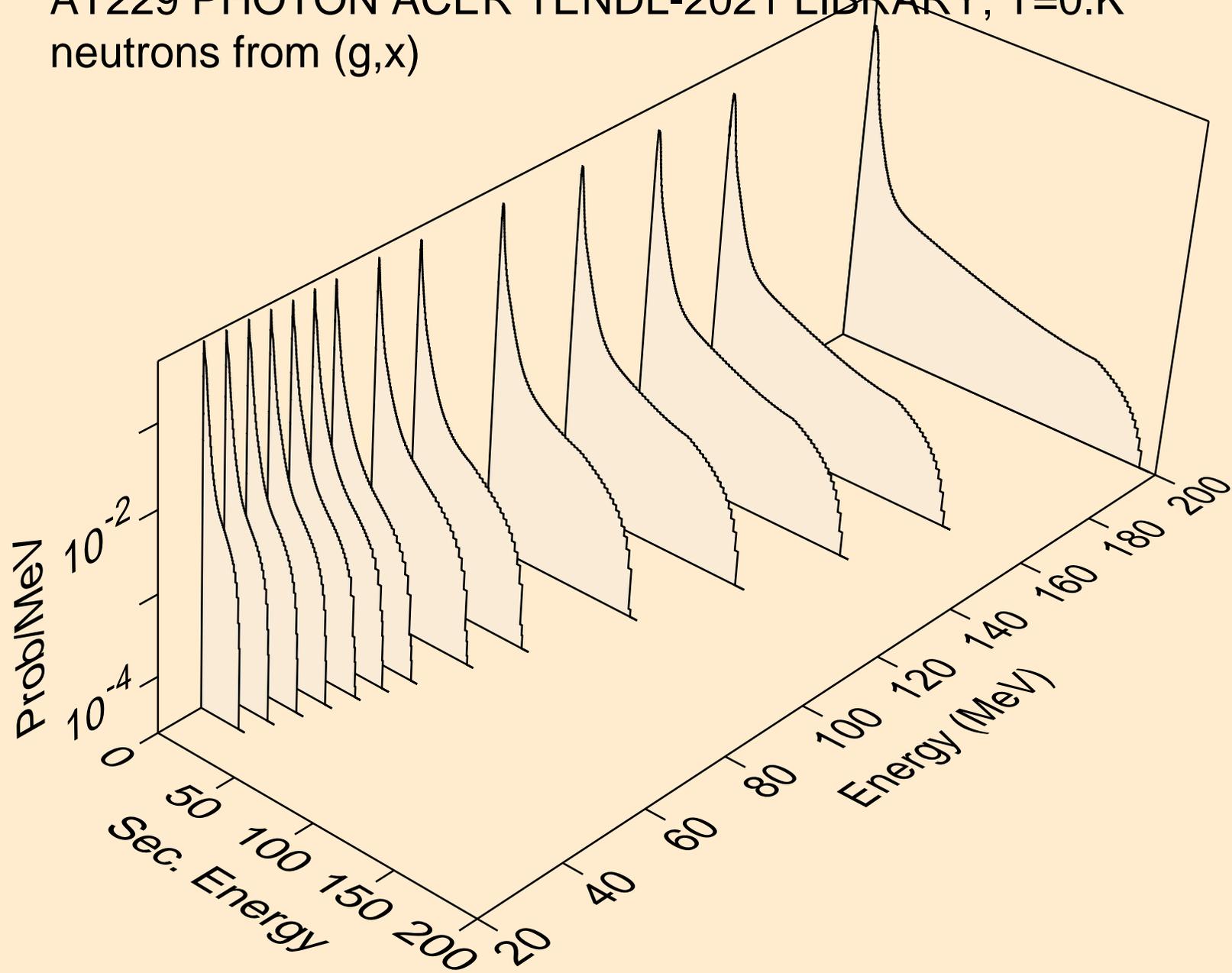
AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
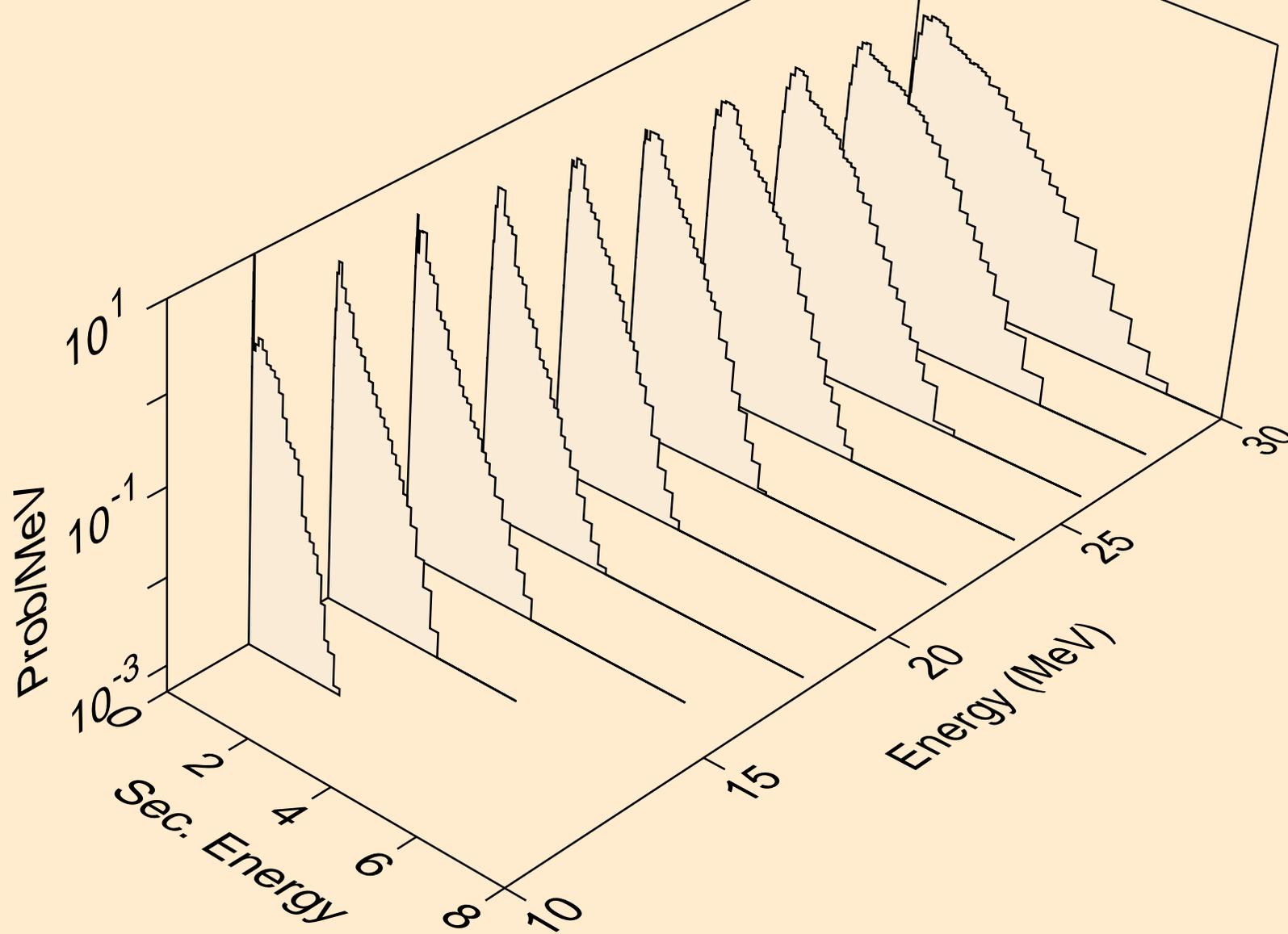neutrons from (g,2nd)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
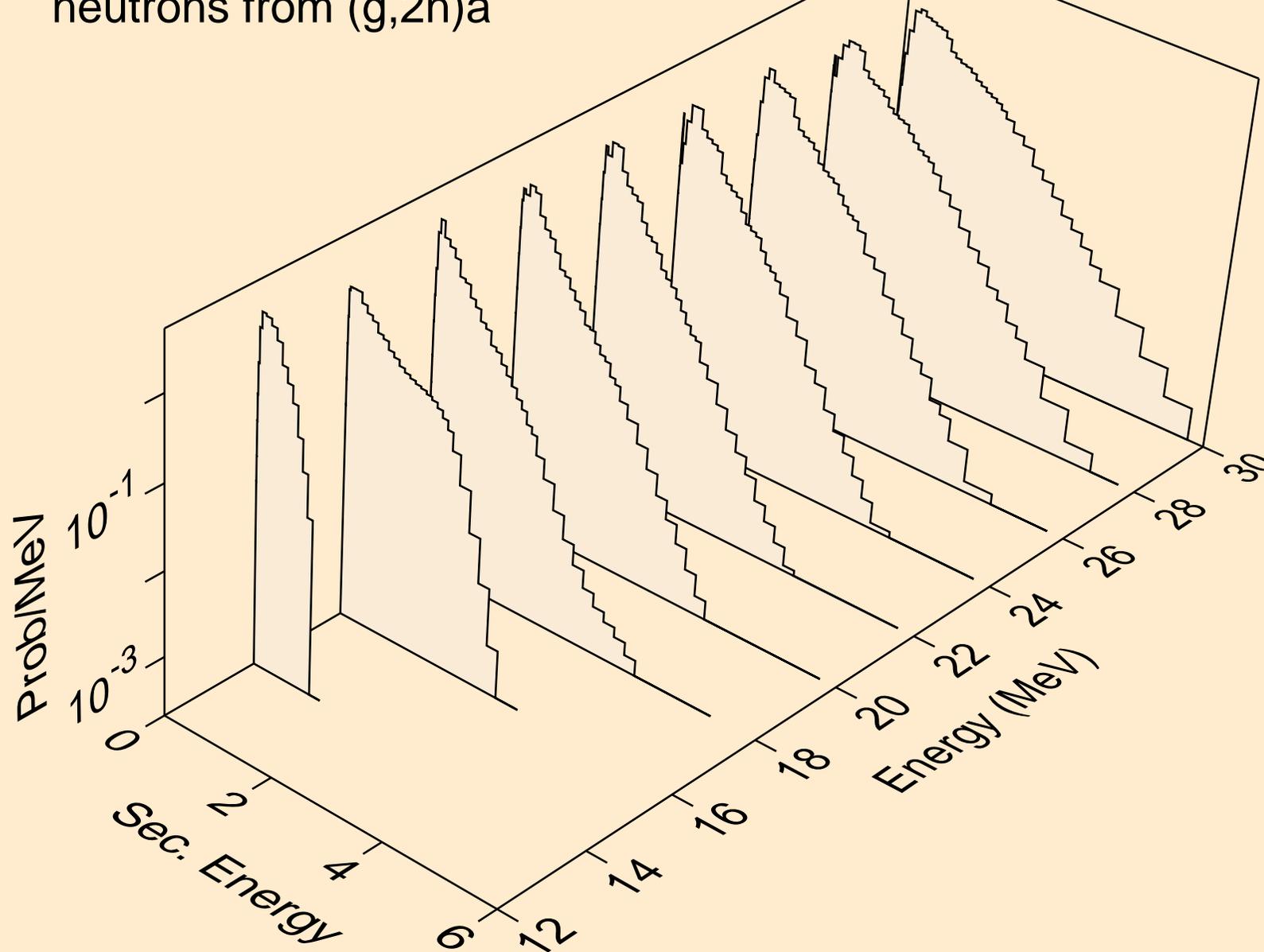neutrons from (g,2n)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
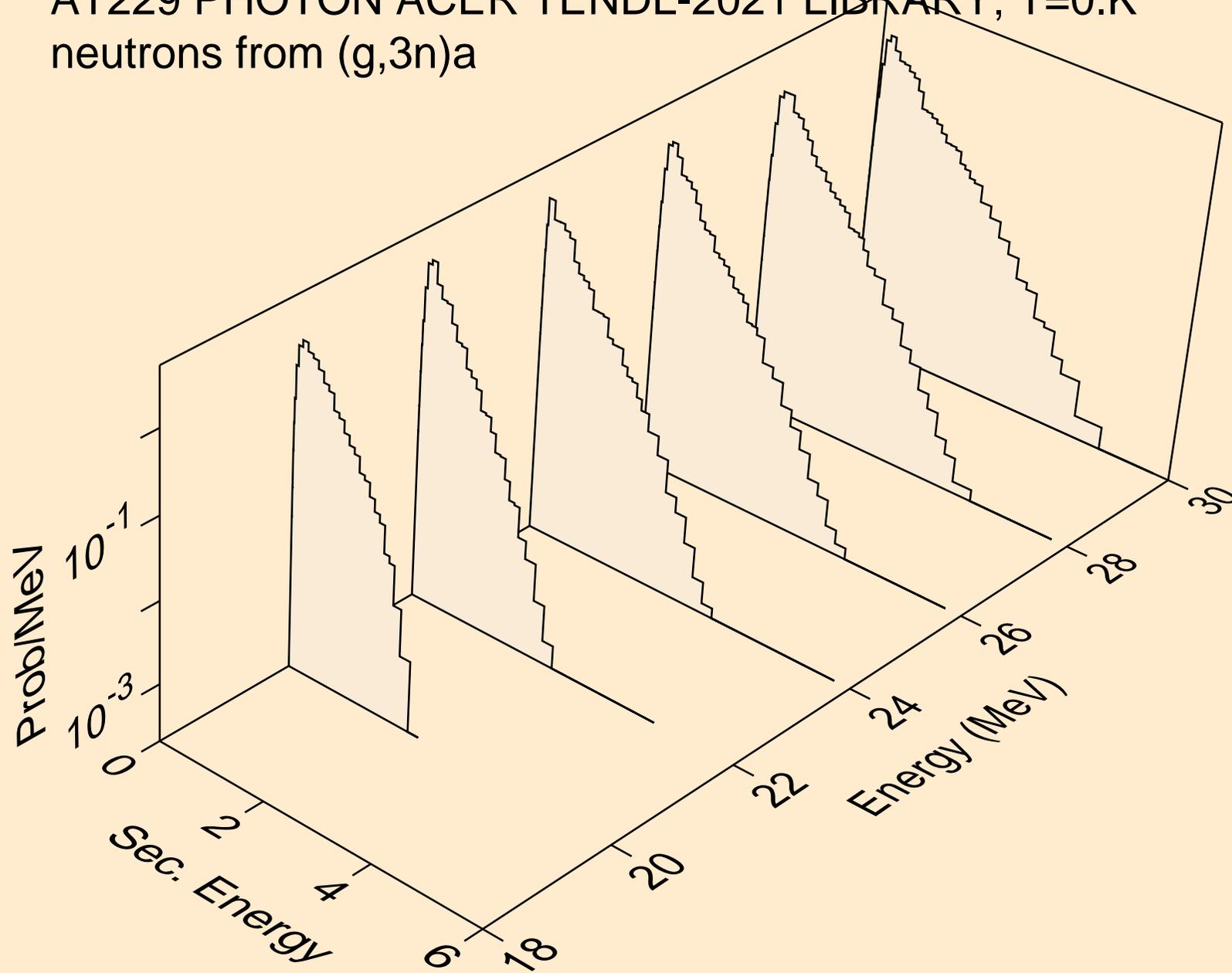neutrons from (g,3n)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
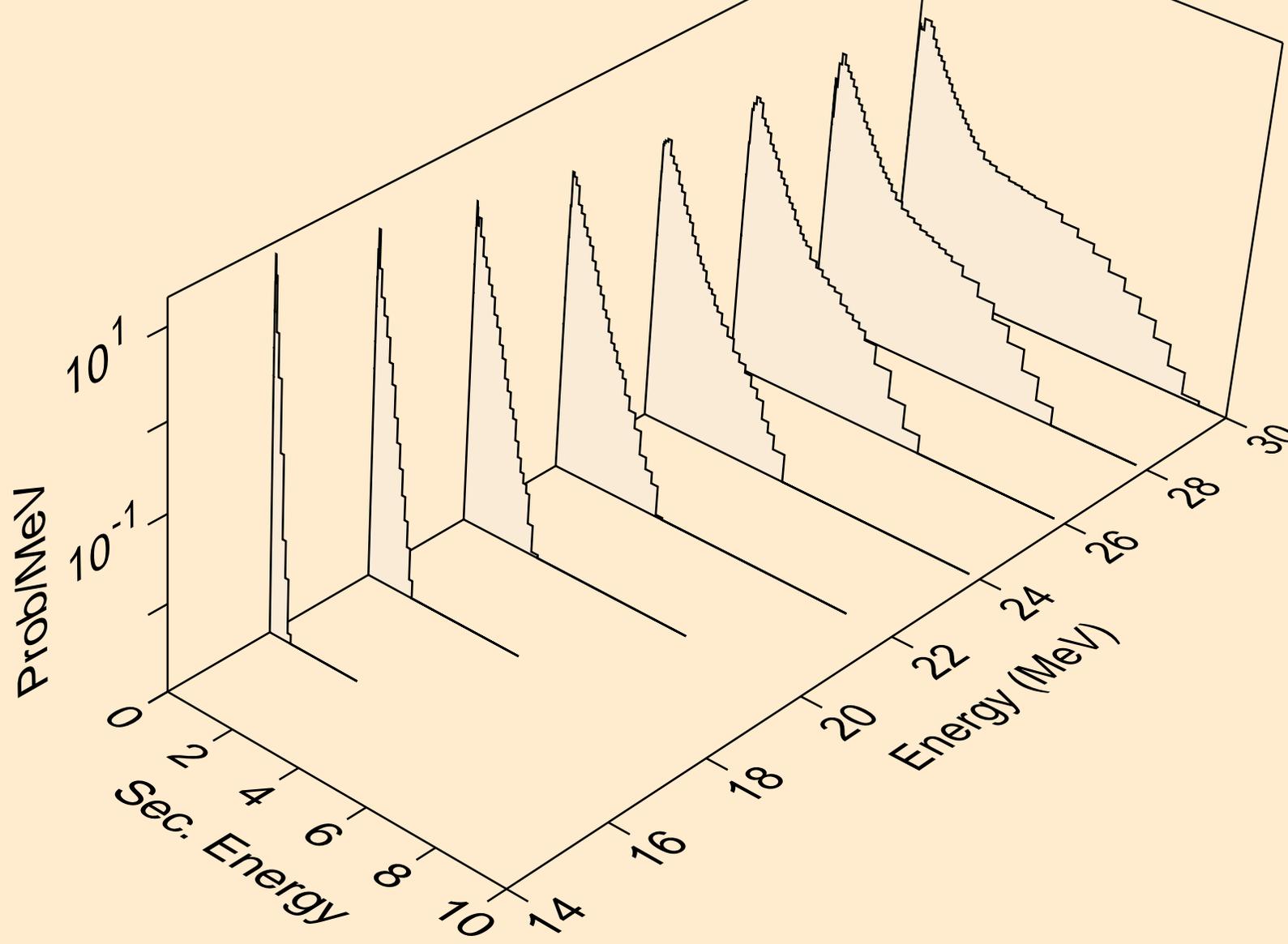neutrons from (g,n*)a

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
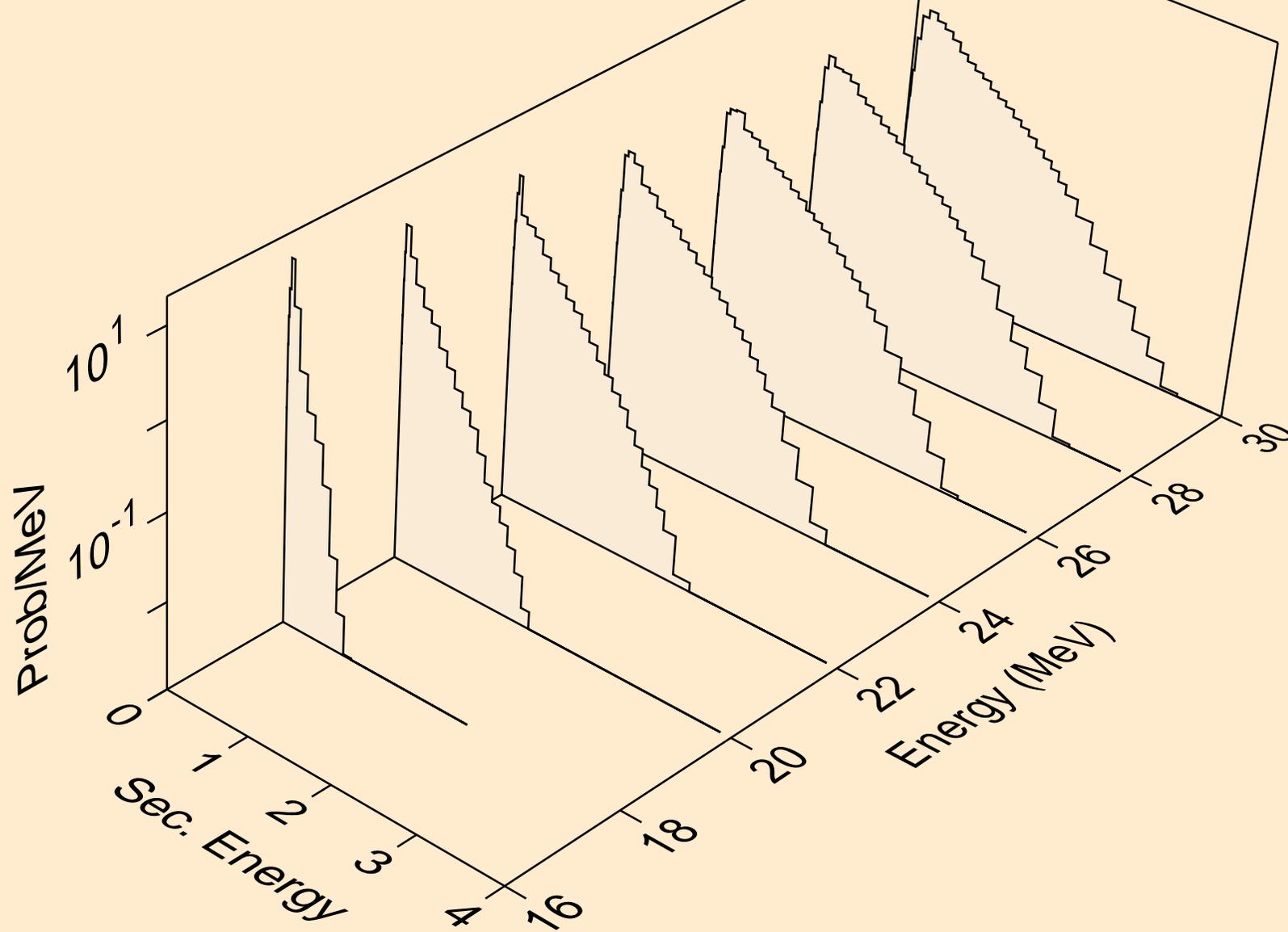neutrons from (g,2n)a

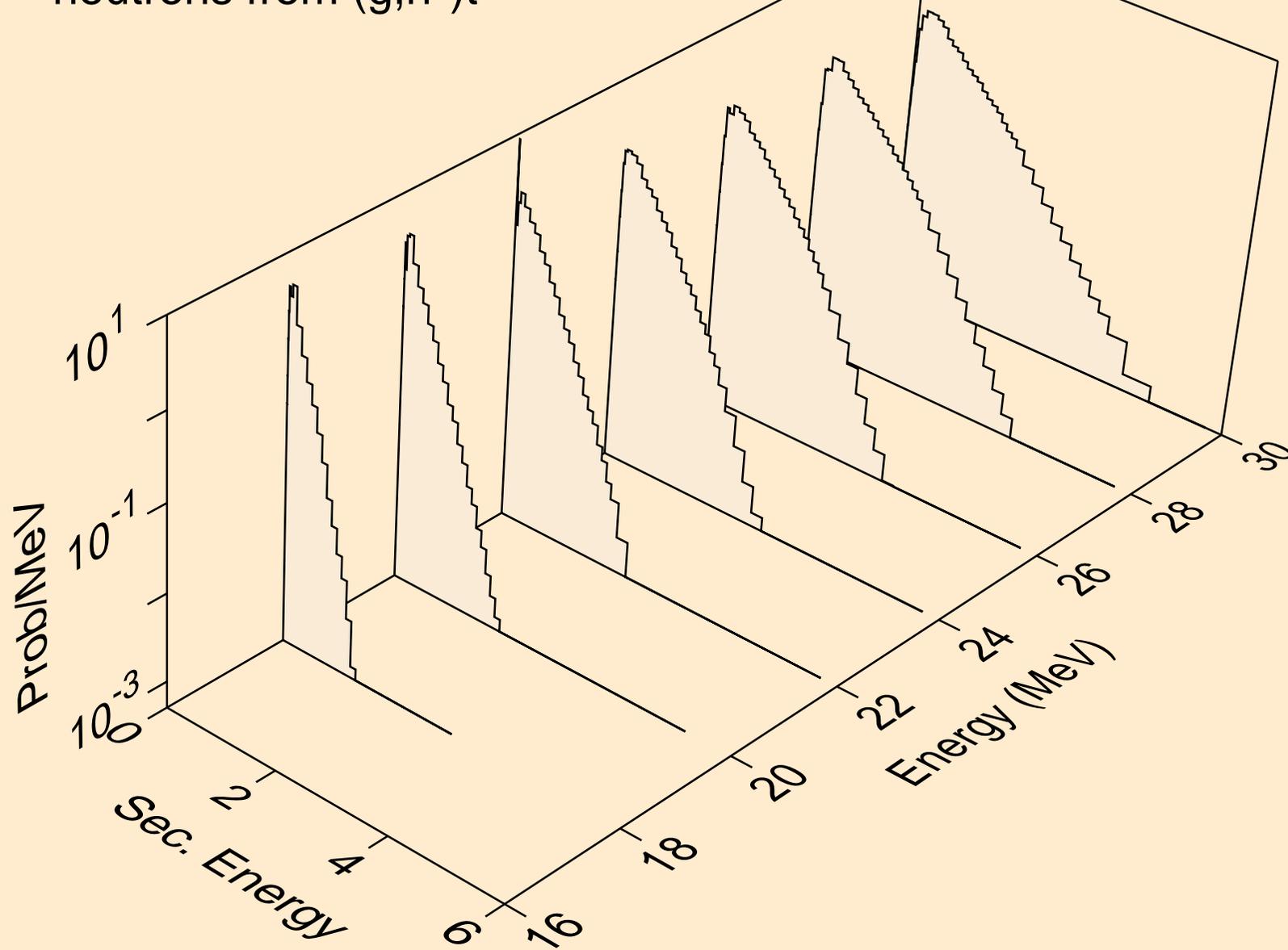AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,3n)a

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
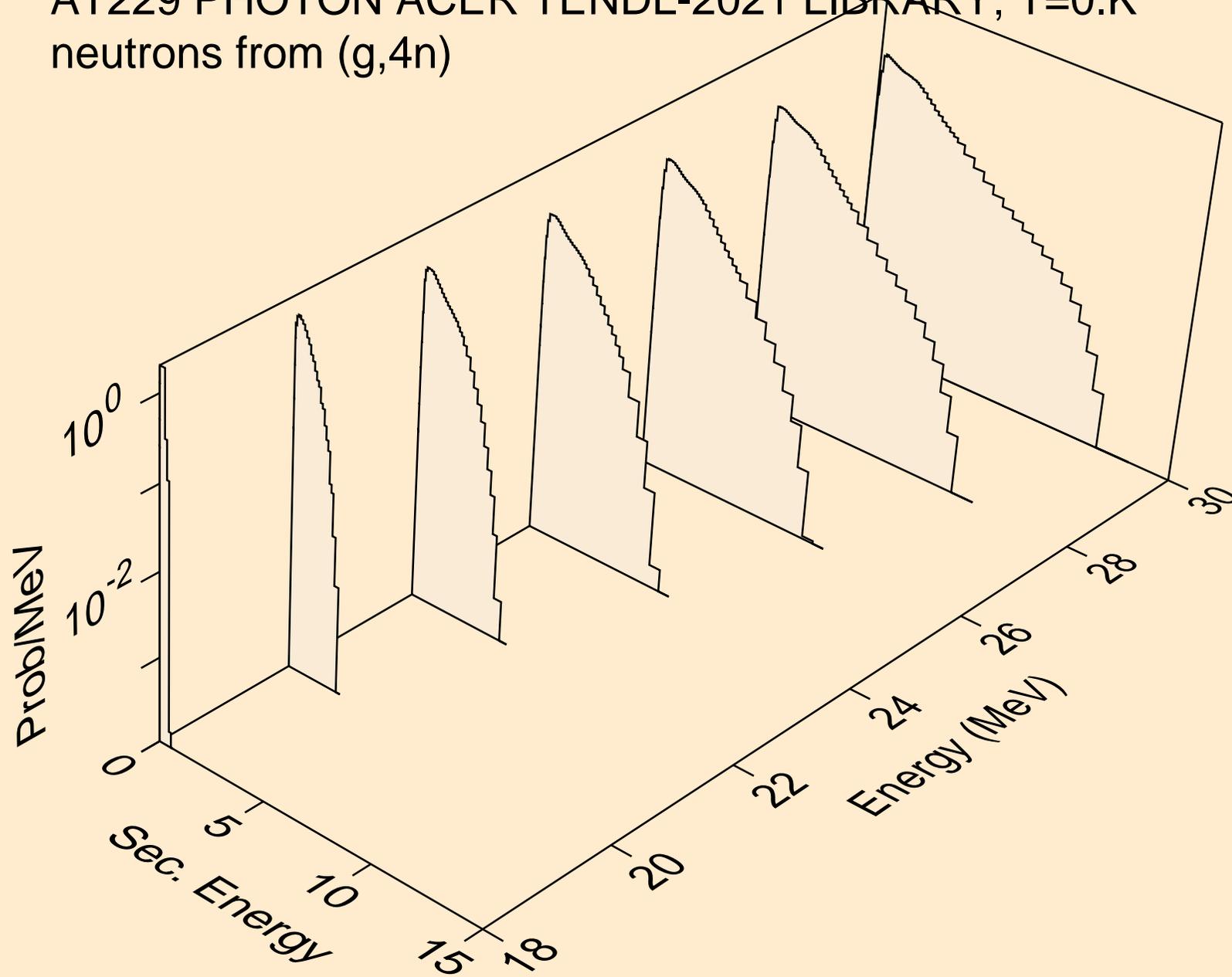neutrons from (g,n*)p

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
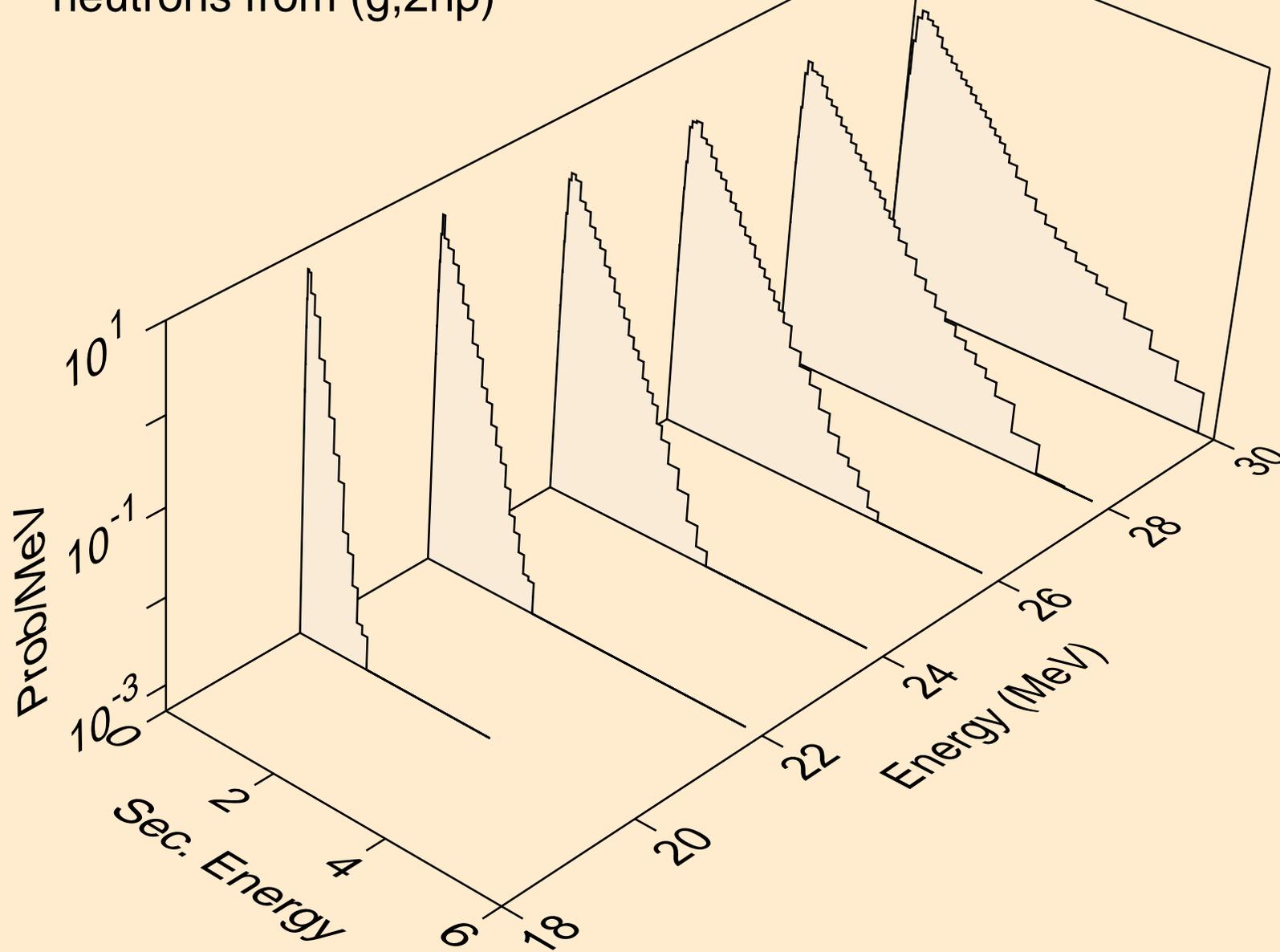neutrons from (g,n*)d

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
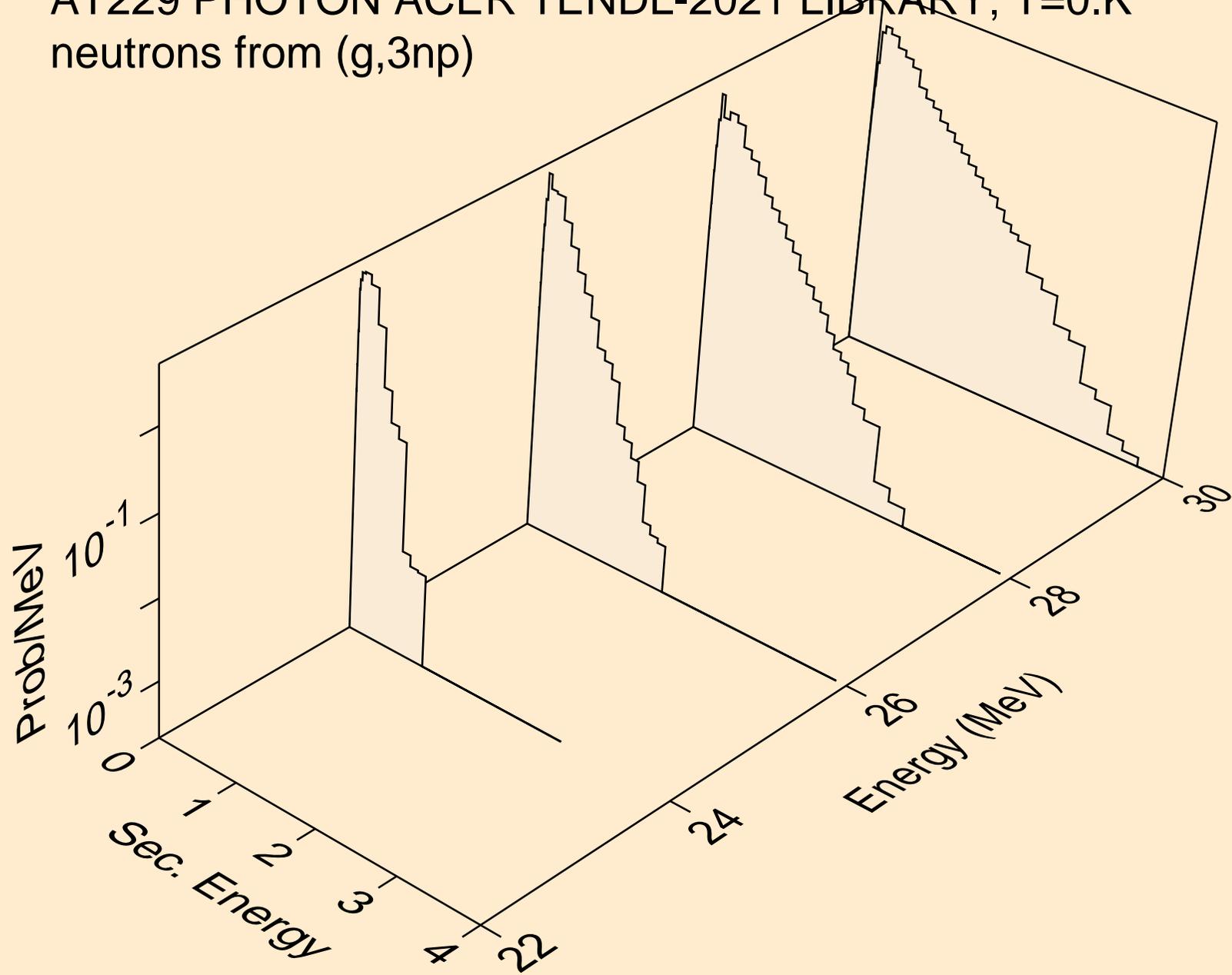neutrons from (g,n*)t

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
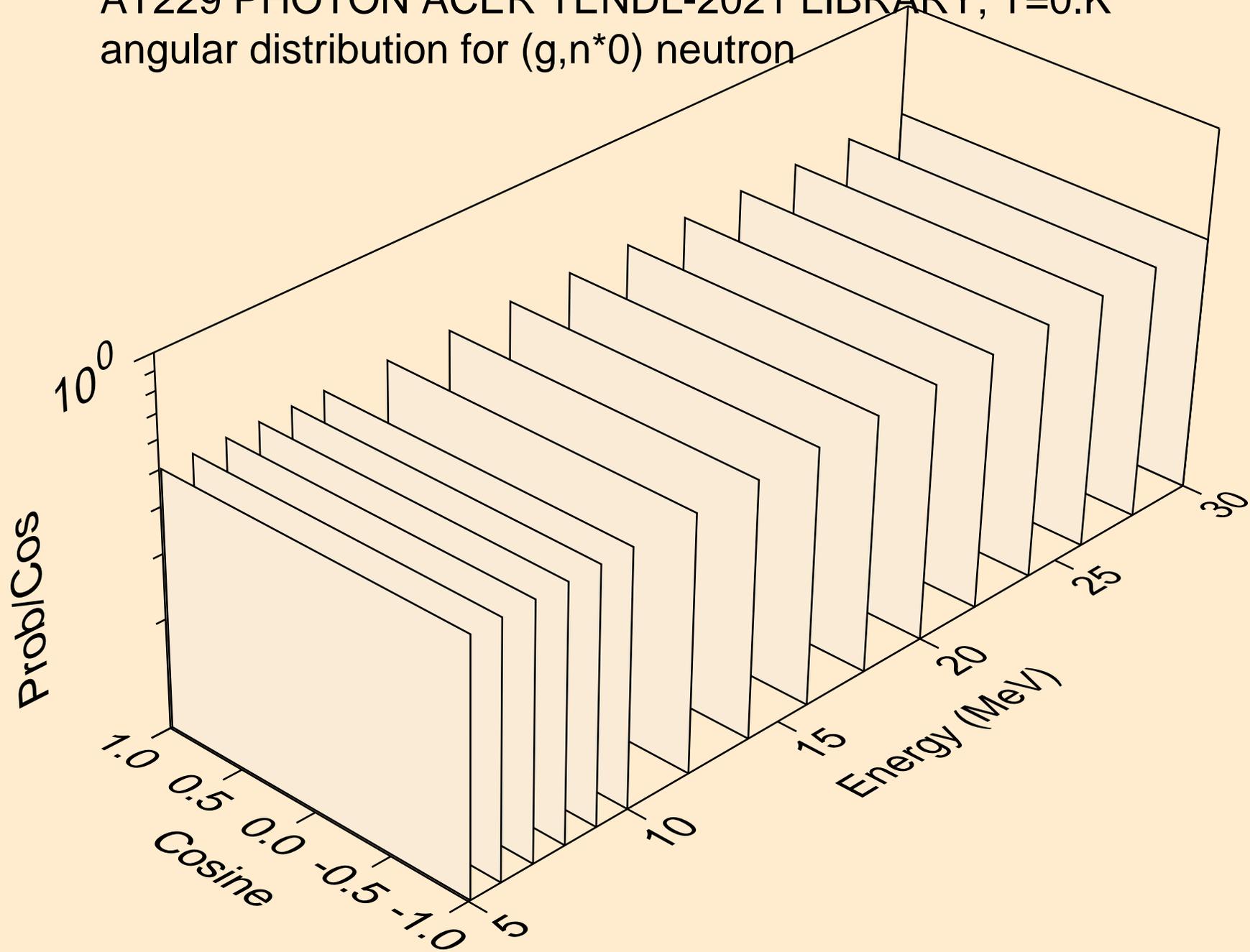neutrons from (g,4n)

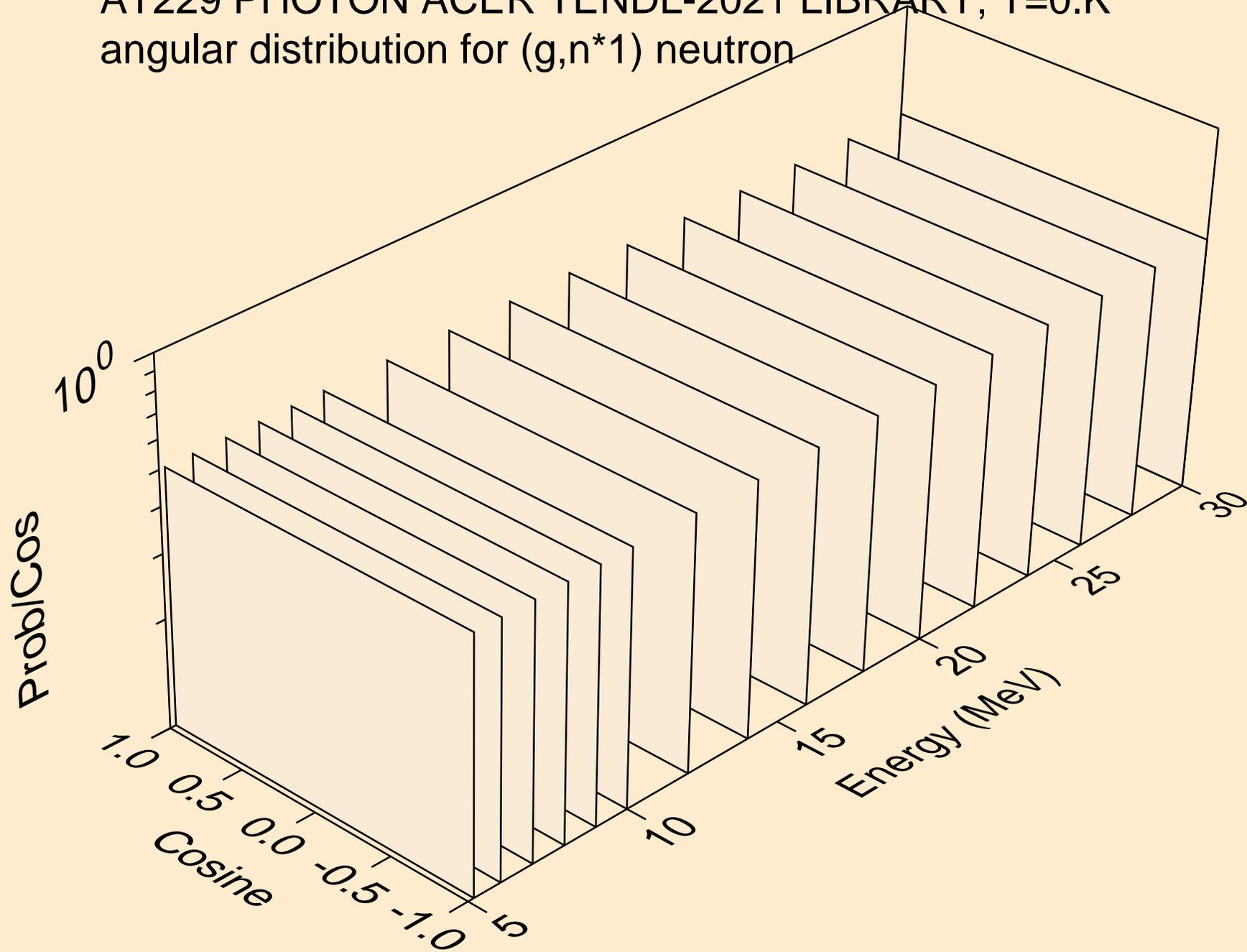AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,2np)

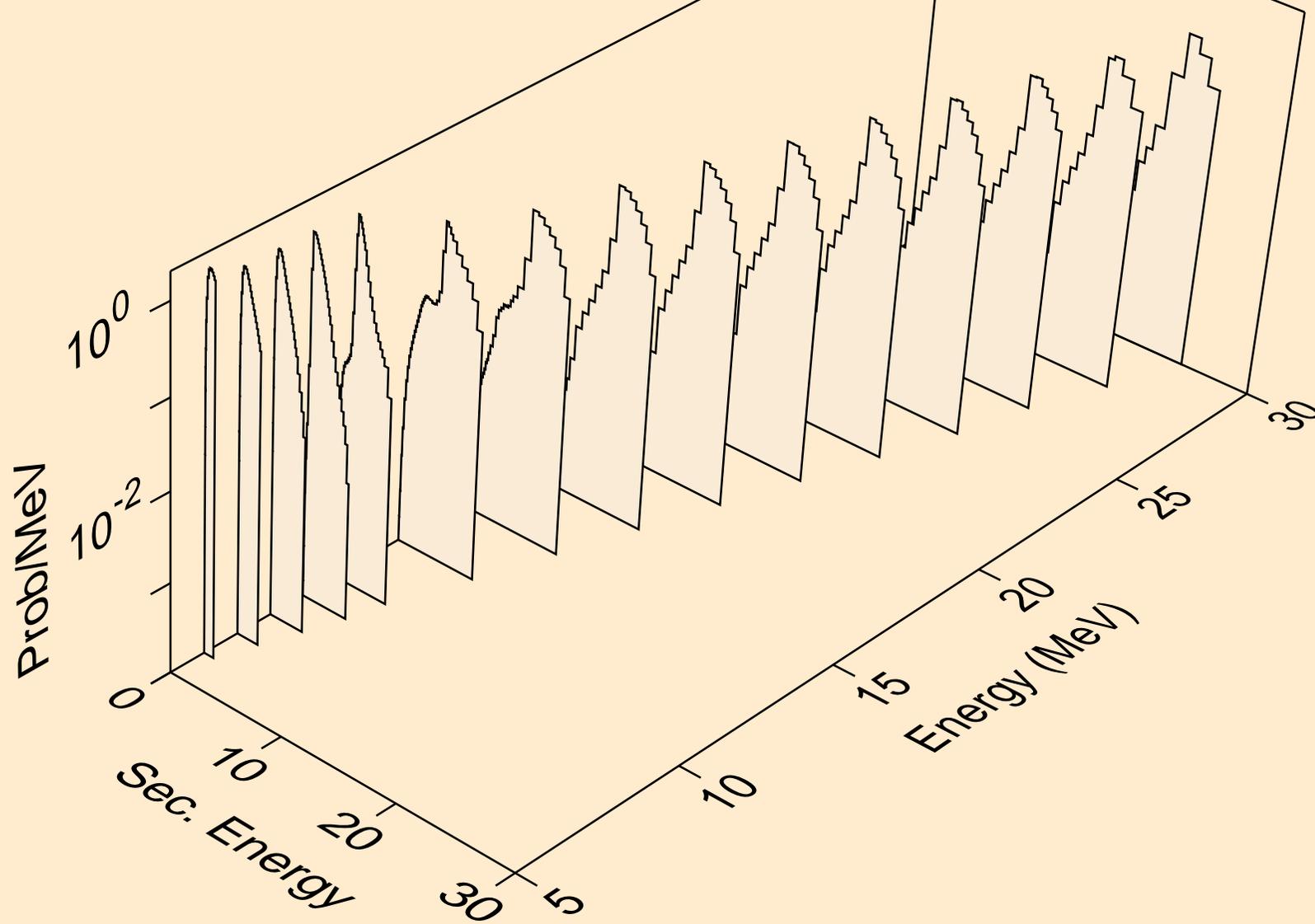AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,3np)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
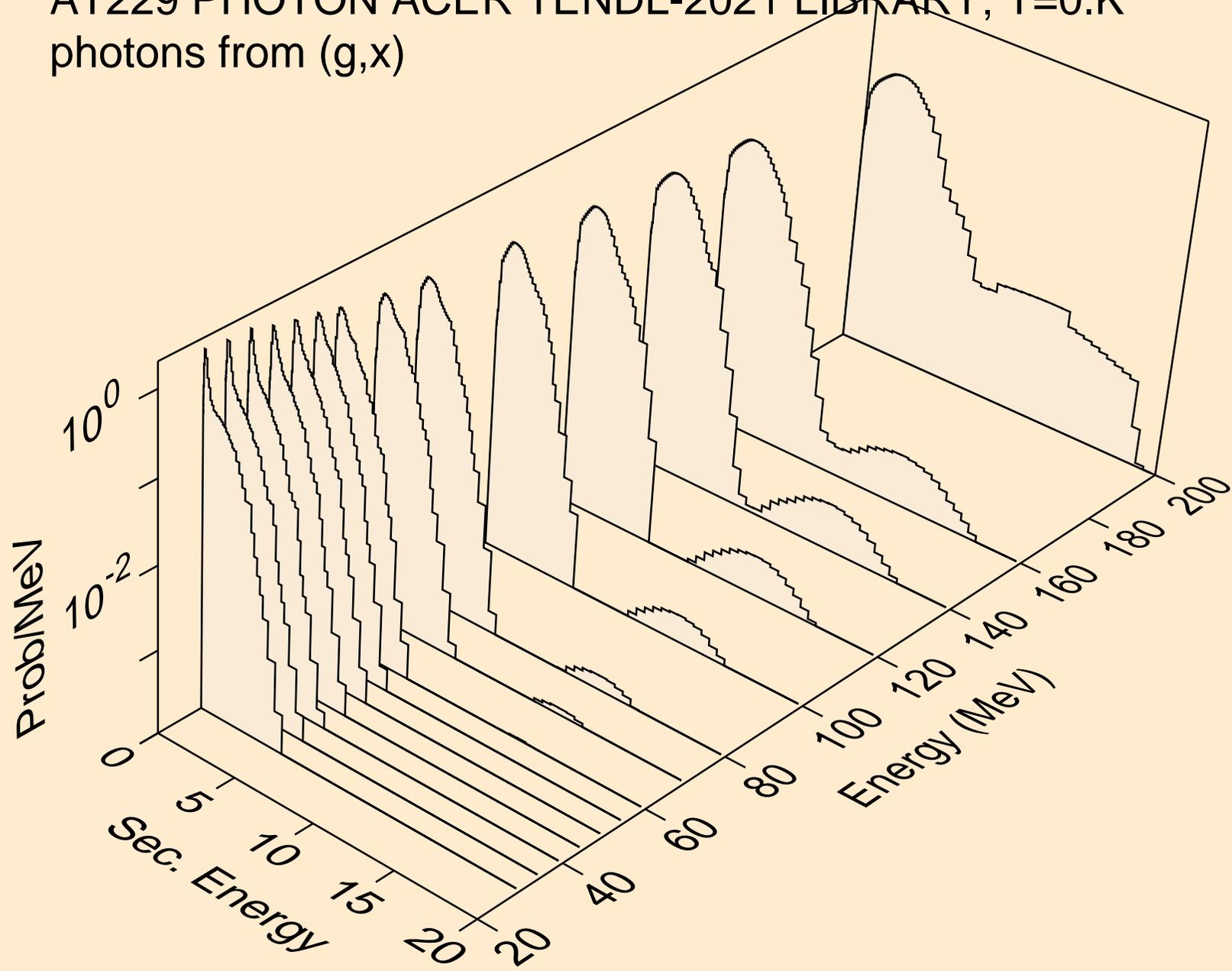angular distribution for (g,n*0) neutron

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
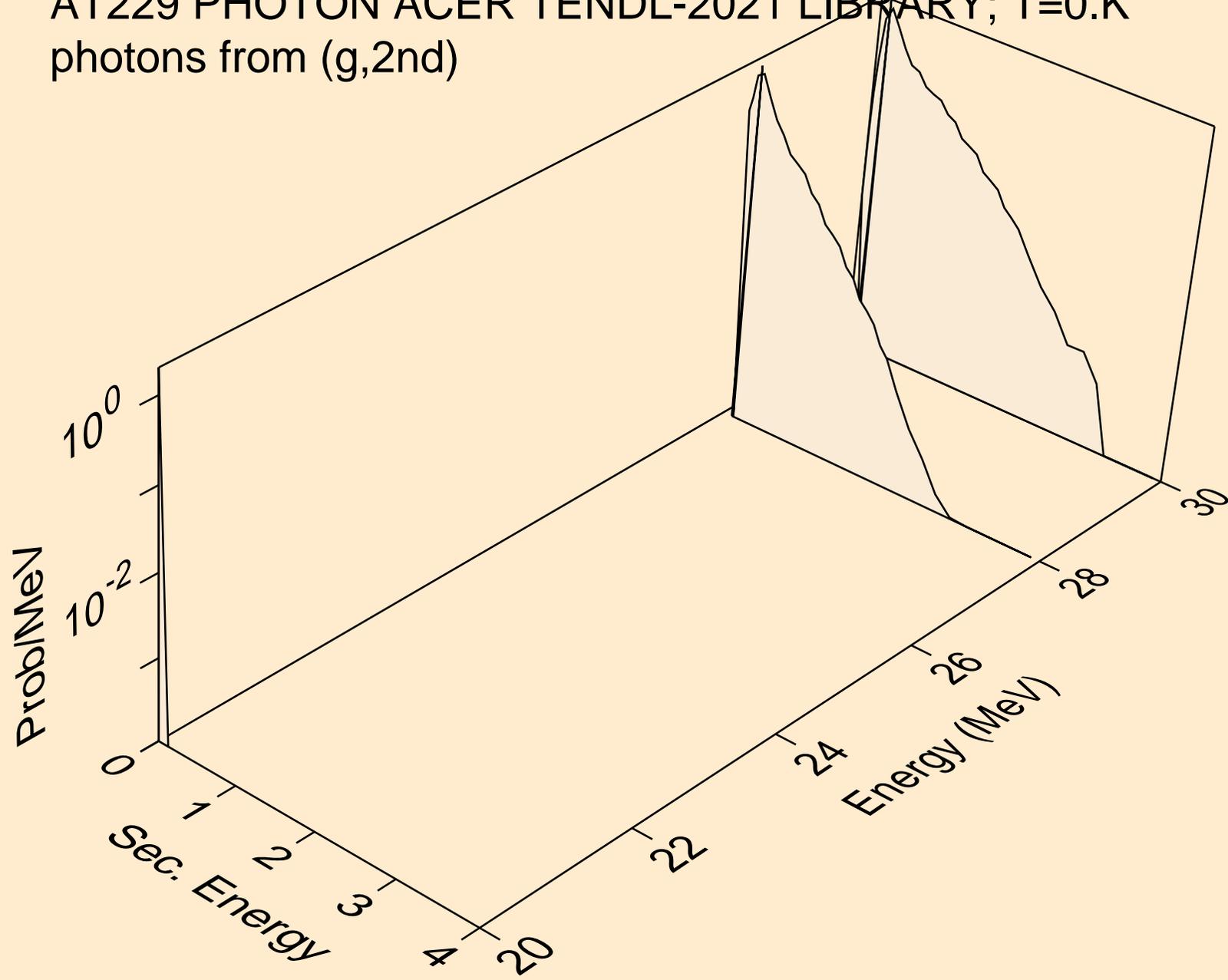angular distribution for (g,n*1) neutron

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
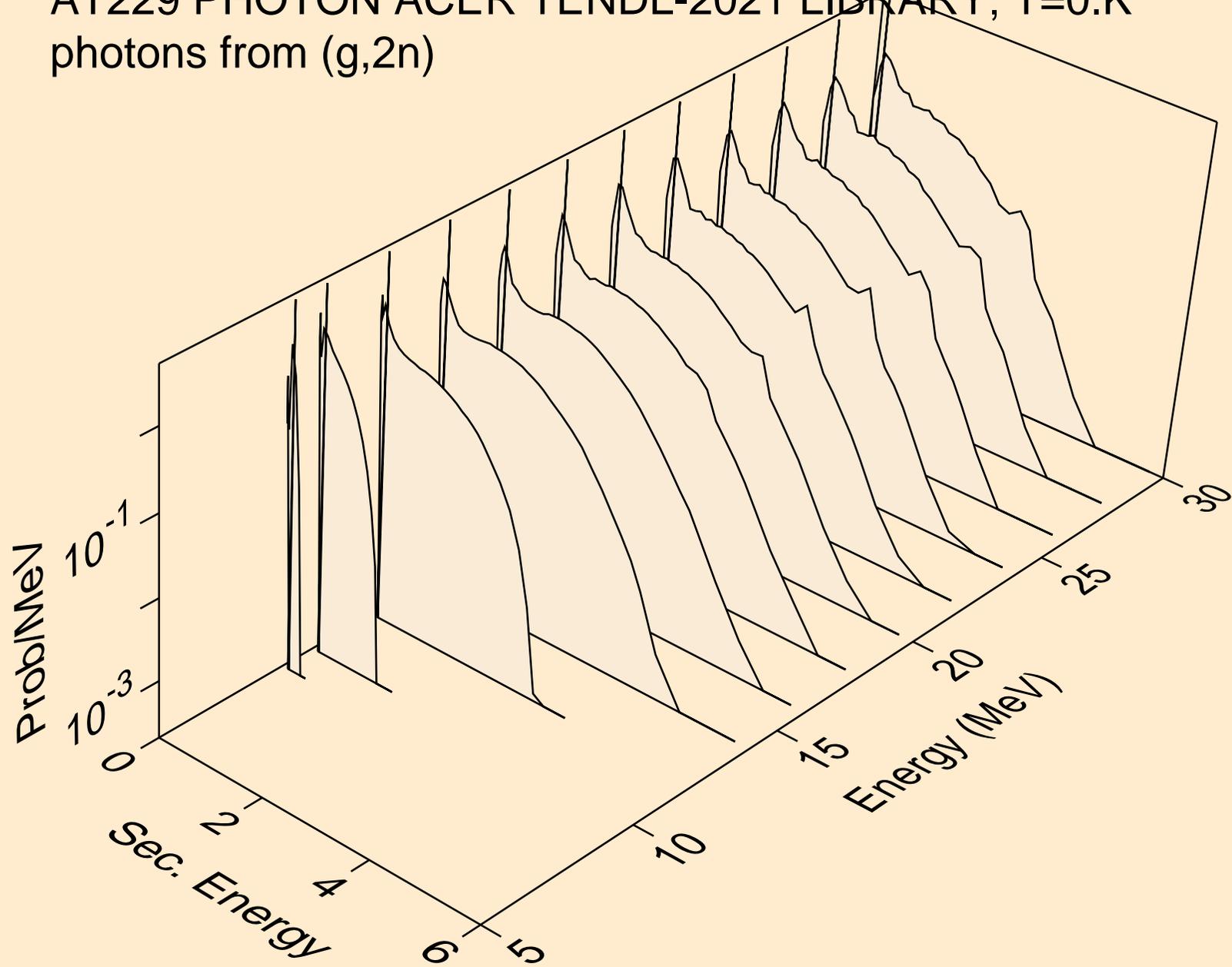neutrons from (g,n*c)

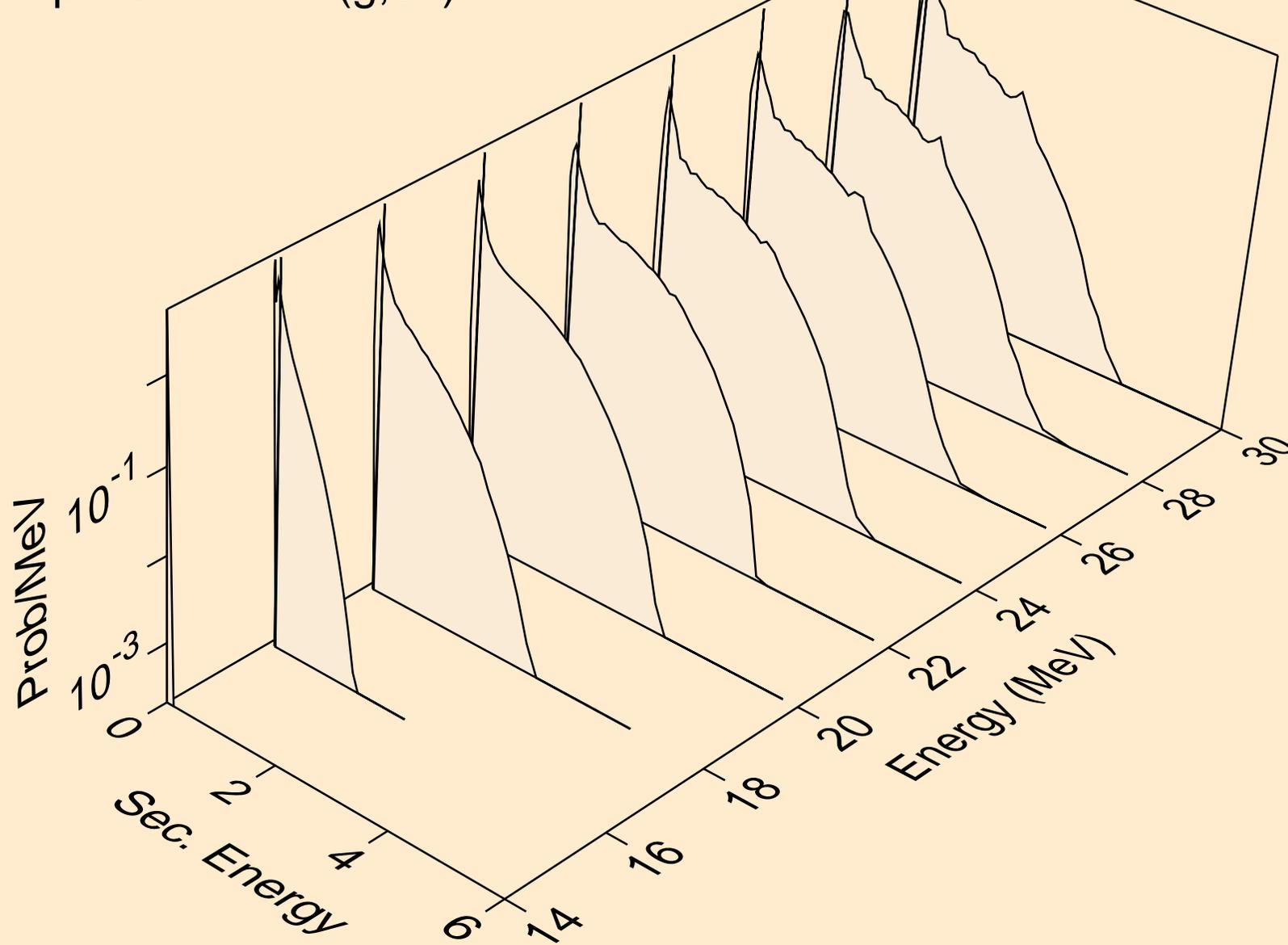AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,x)

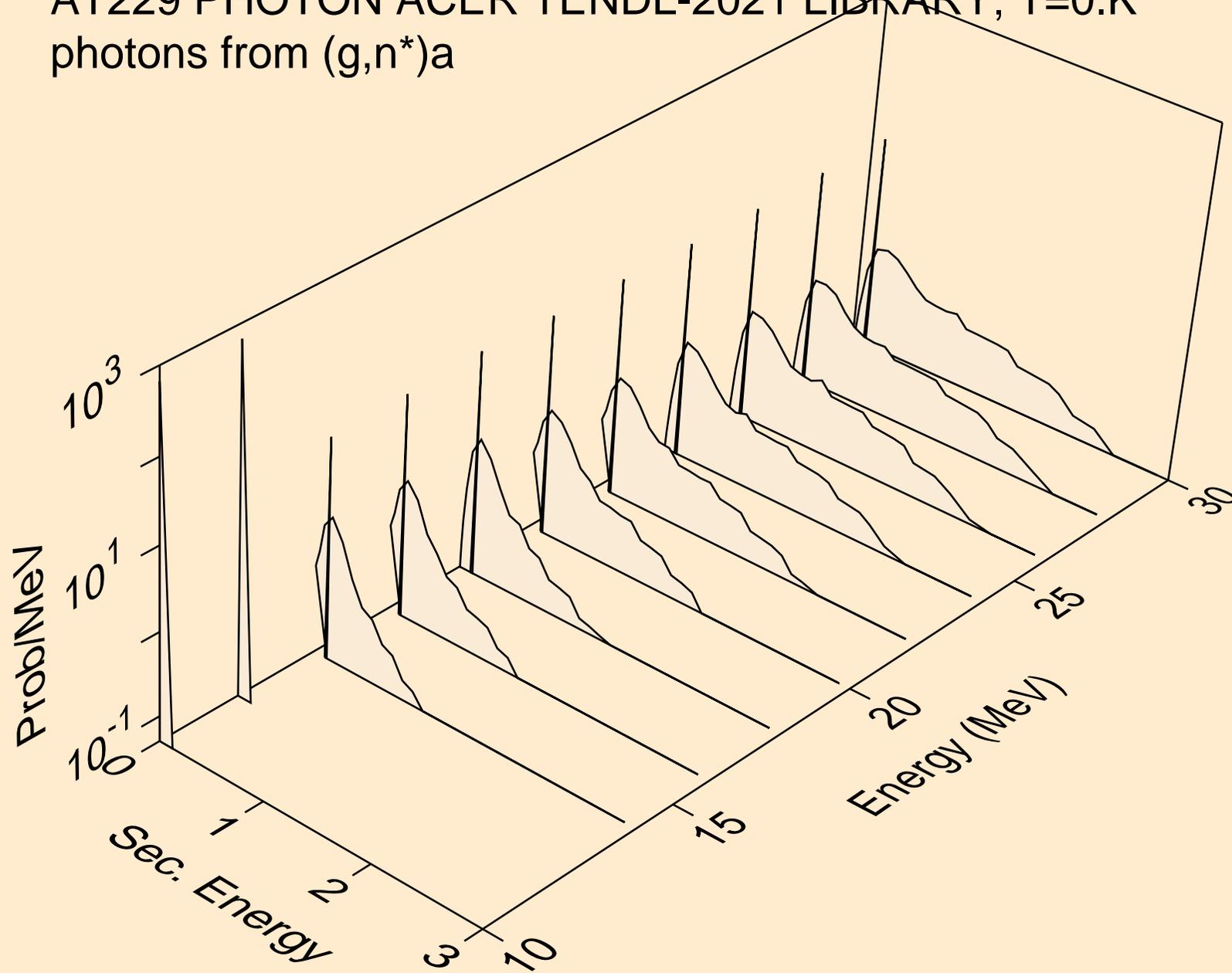AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2nd)

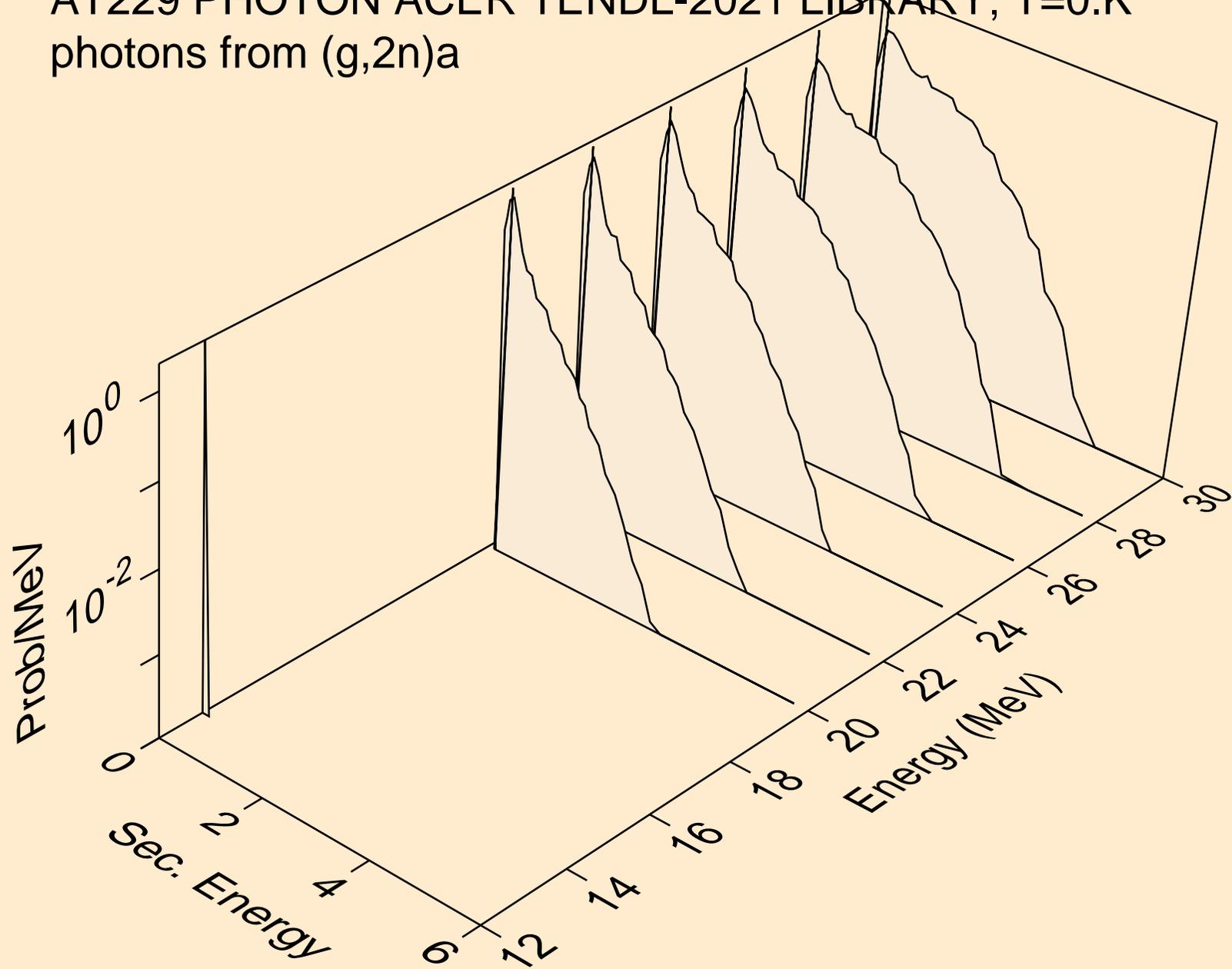AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2n)

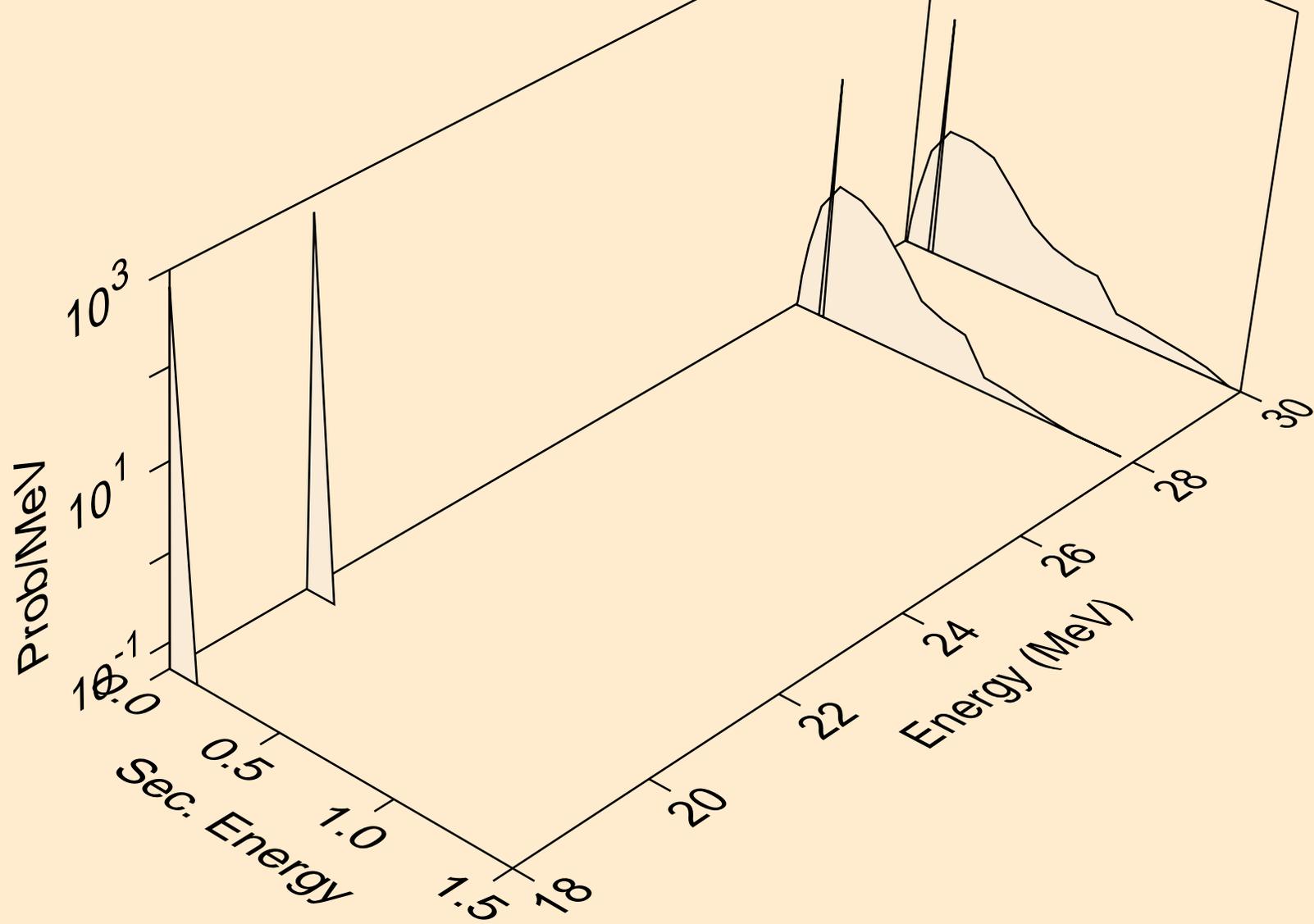AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,3n)

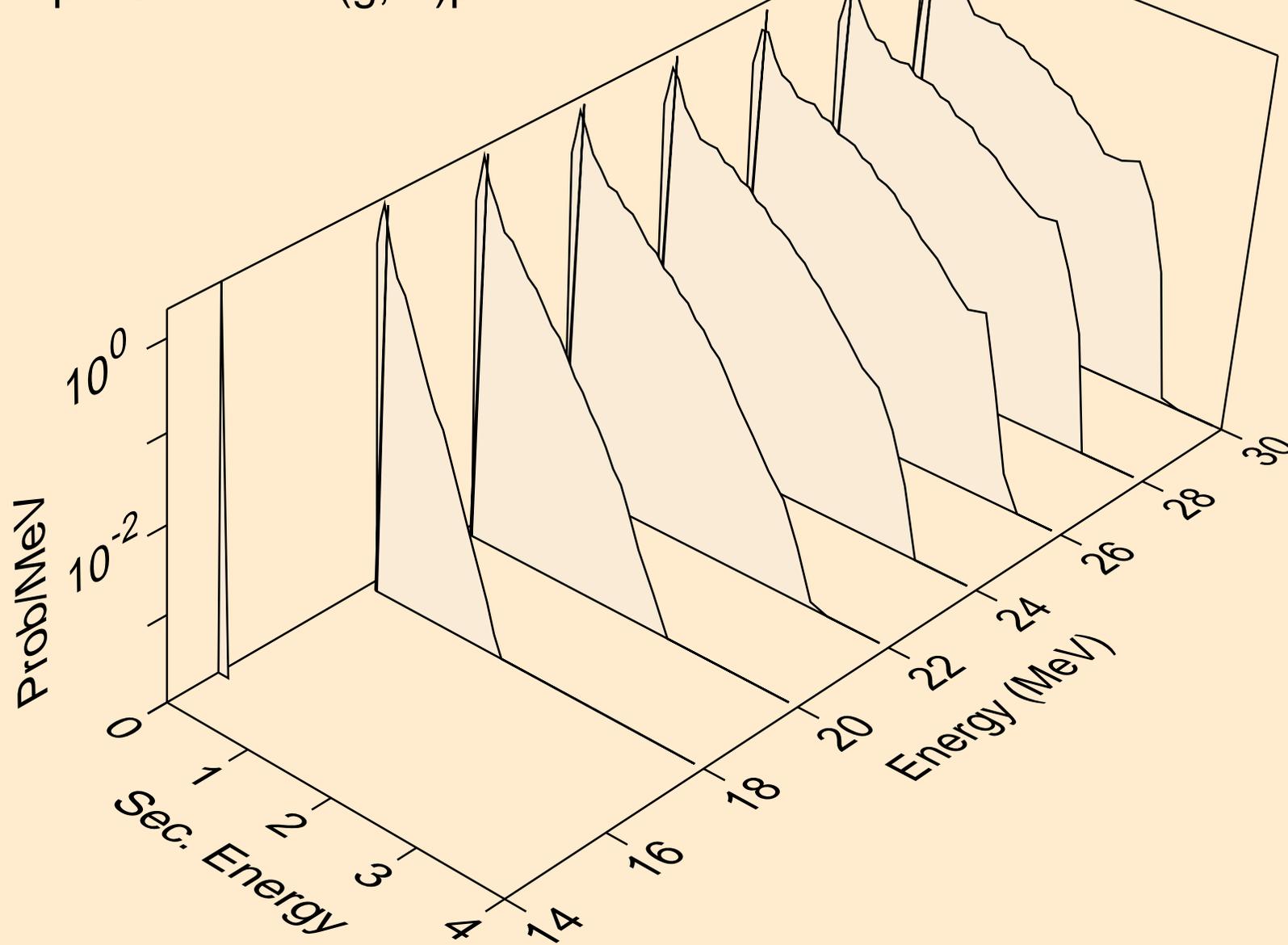AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)a

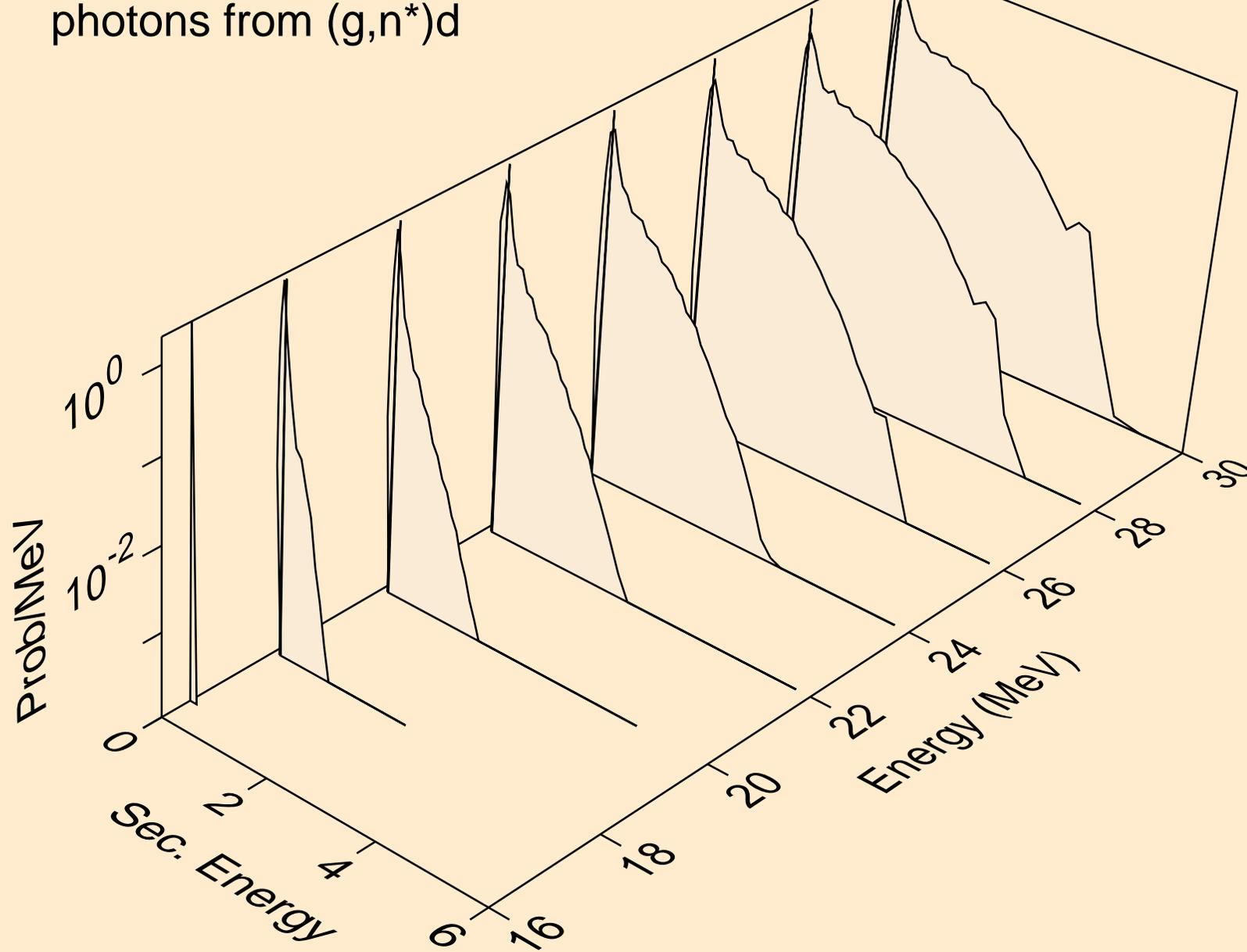AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2n)a

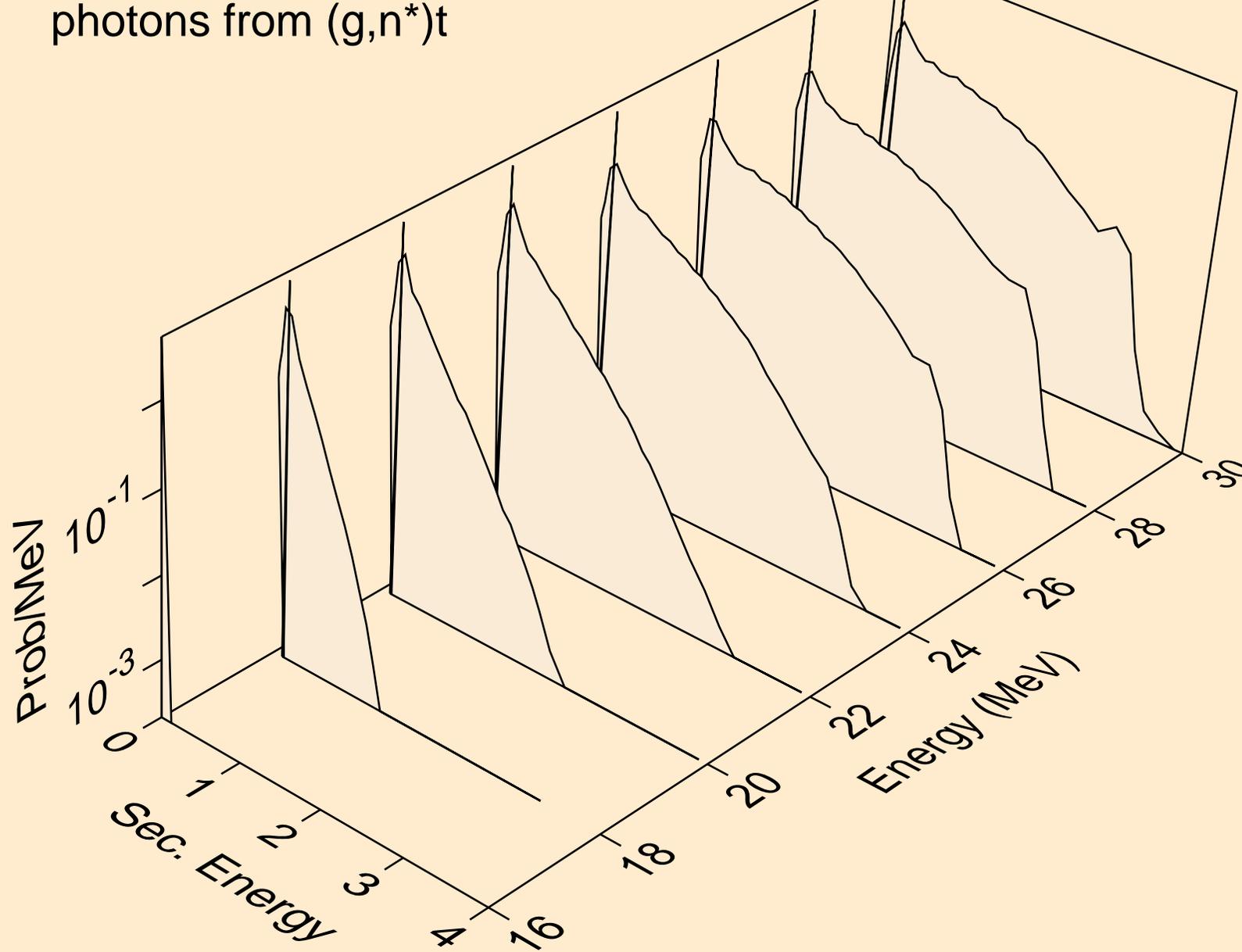AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,3n)a

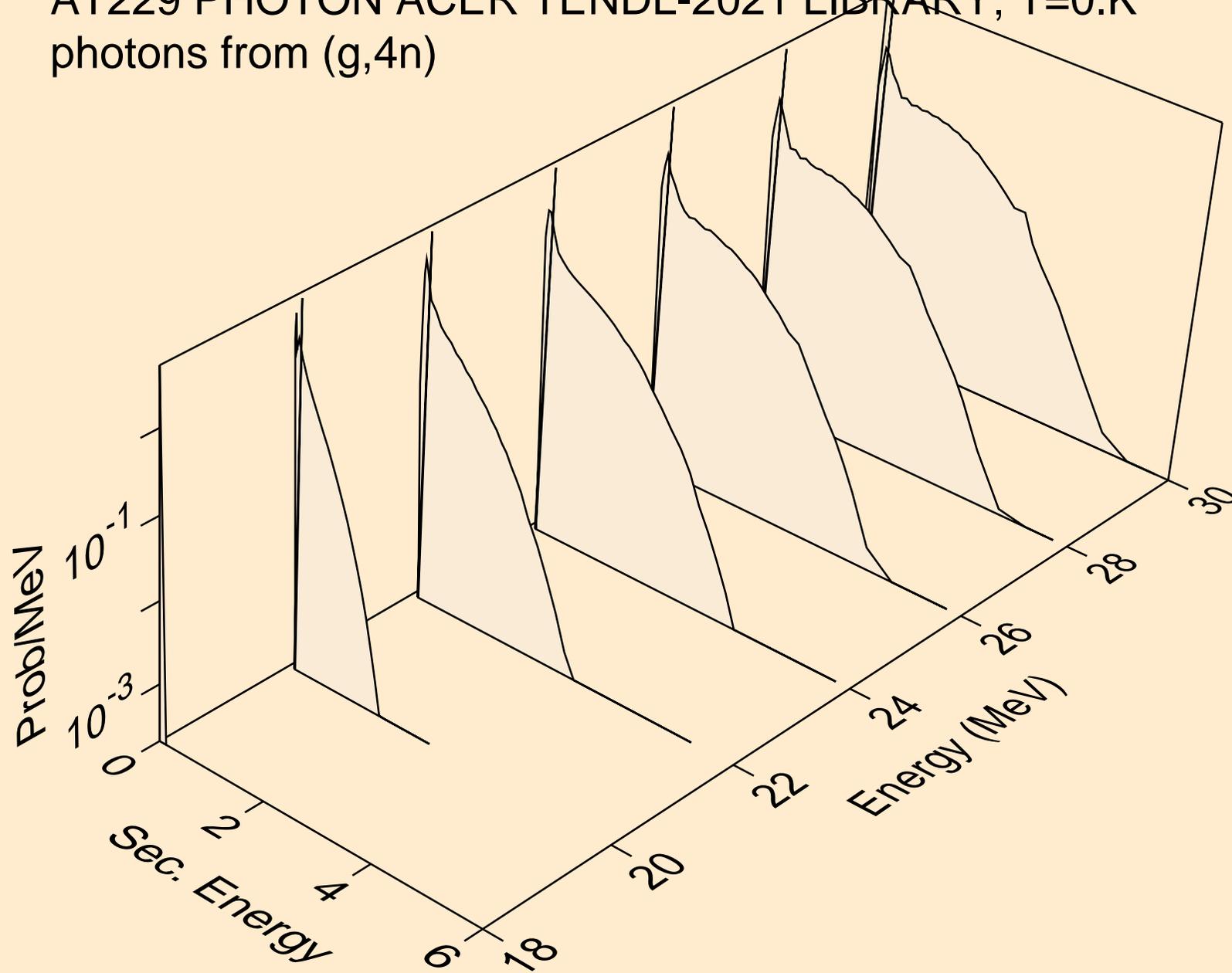AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)p

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
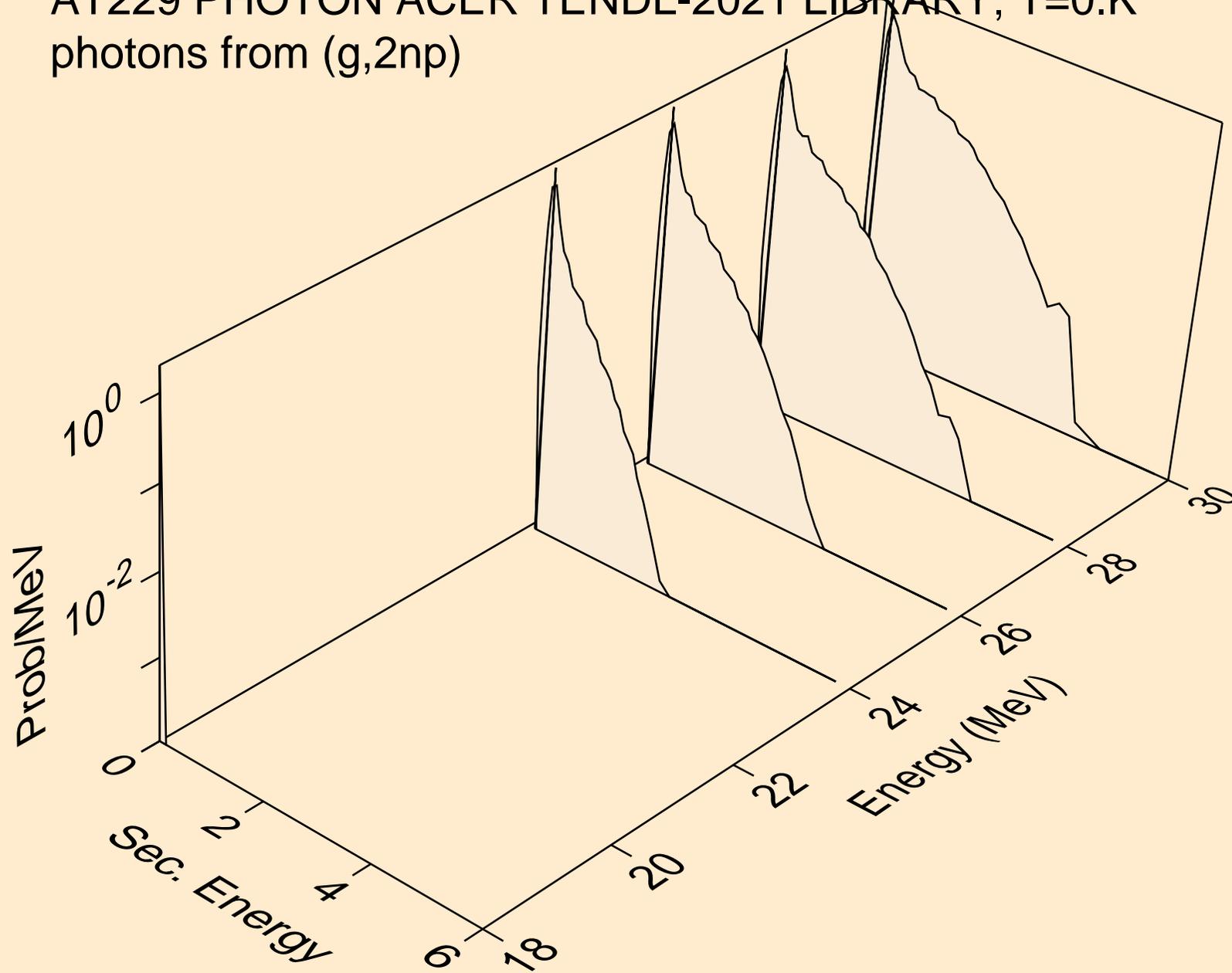photons from (g,n*)d

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
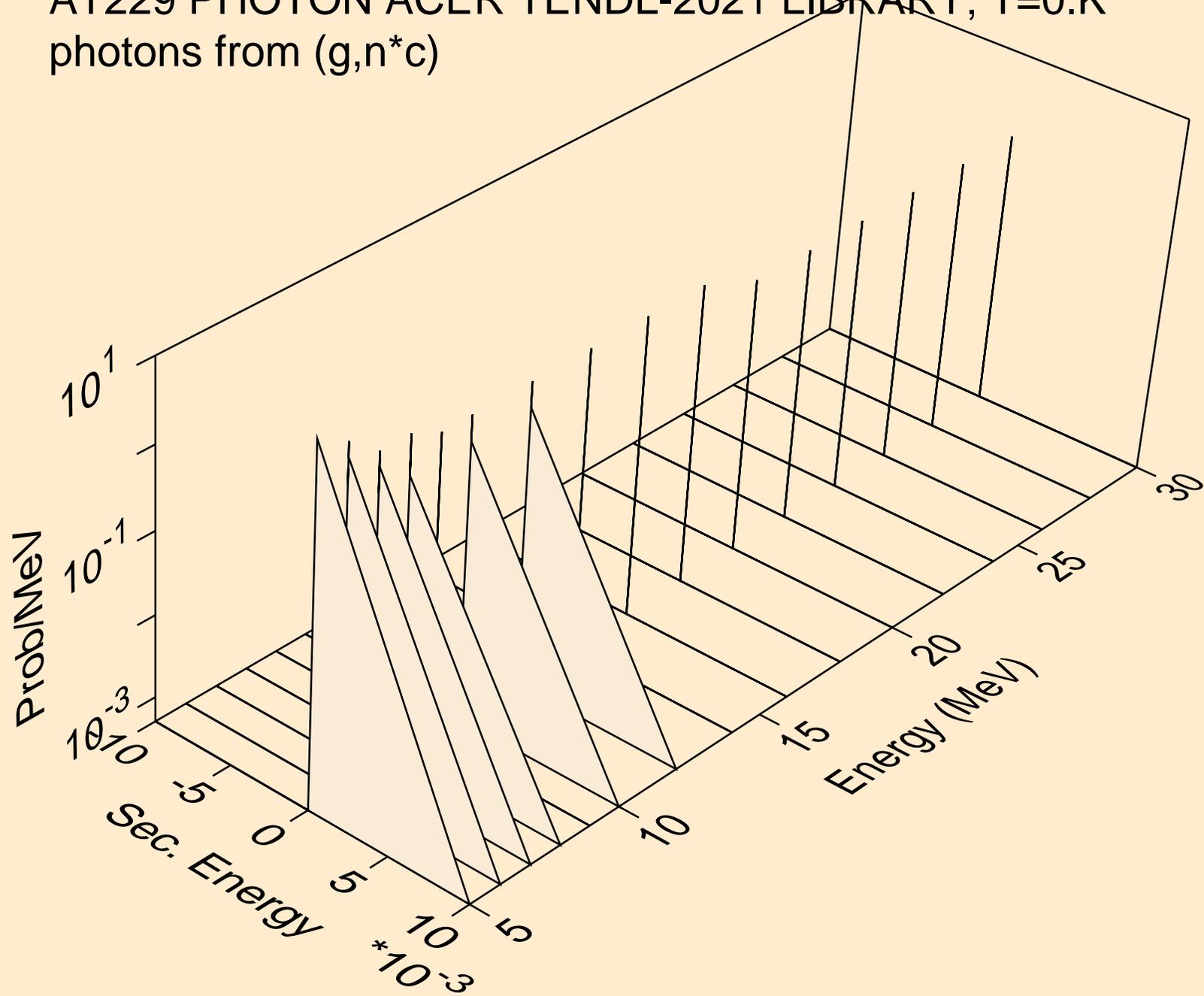photons from (g,n*)t

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
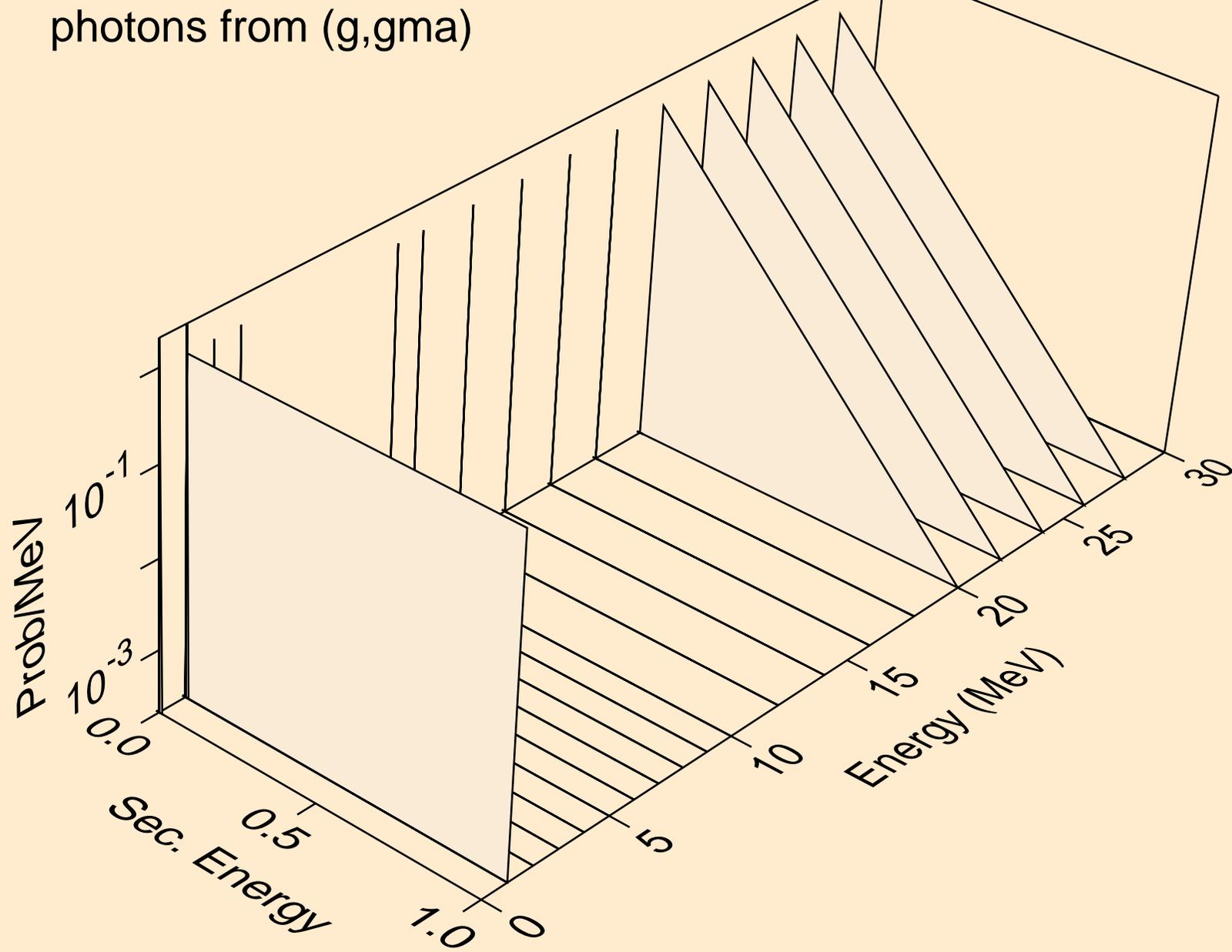photons from (g,4n)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
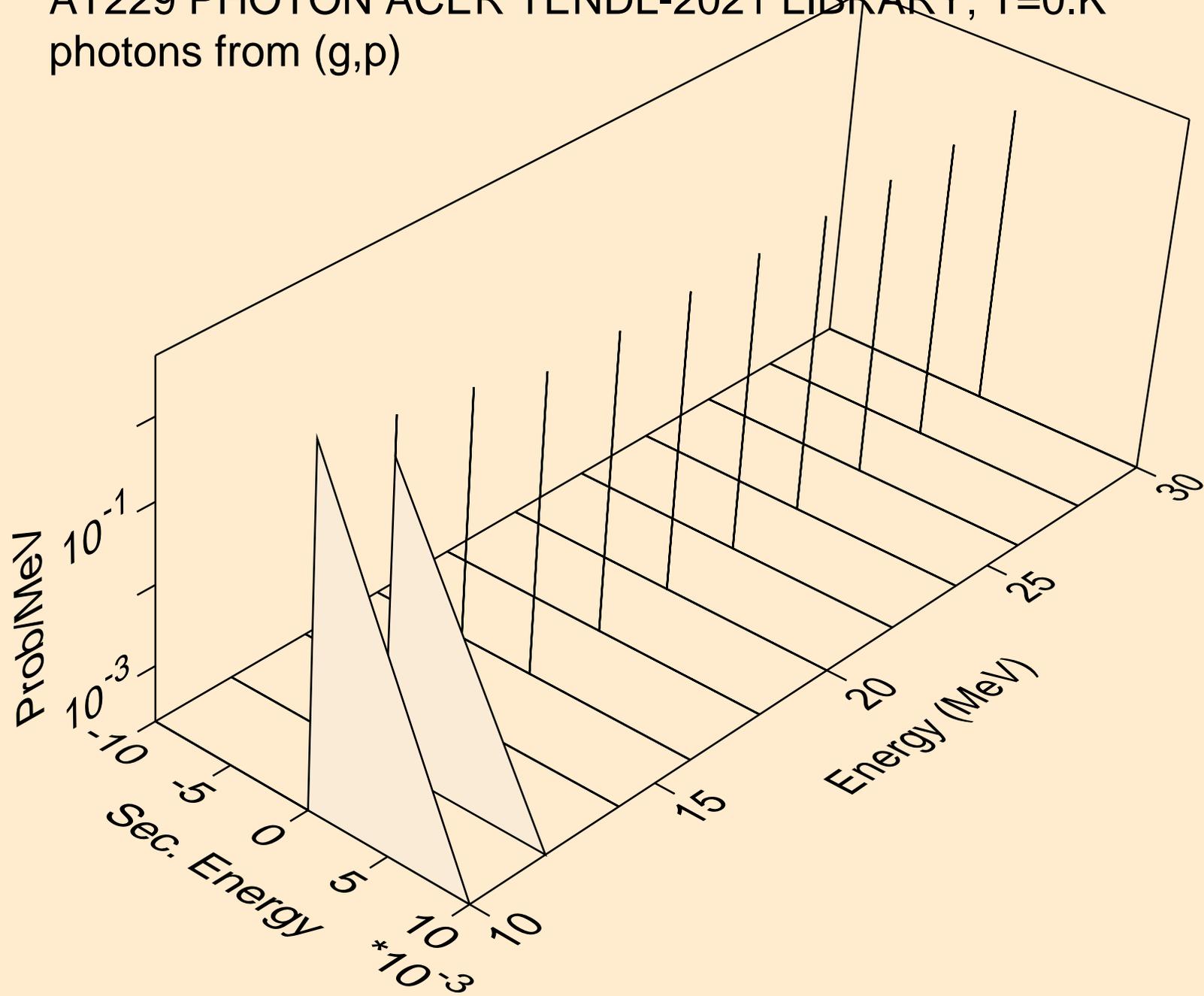photons from (g,2np)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
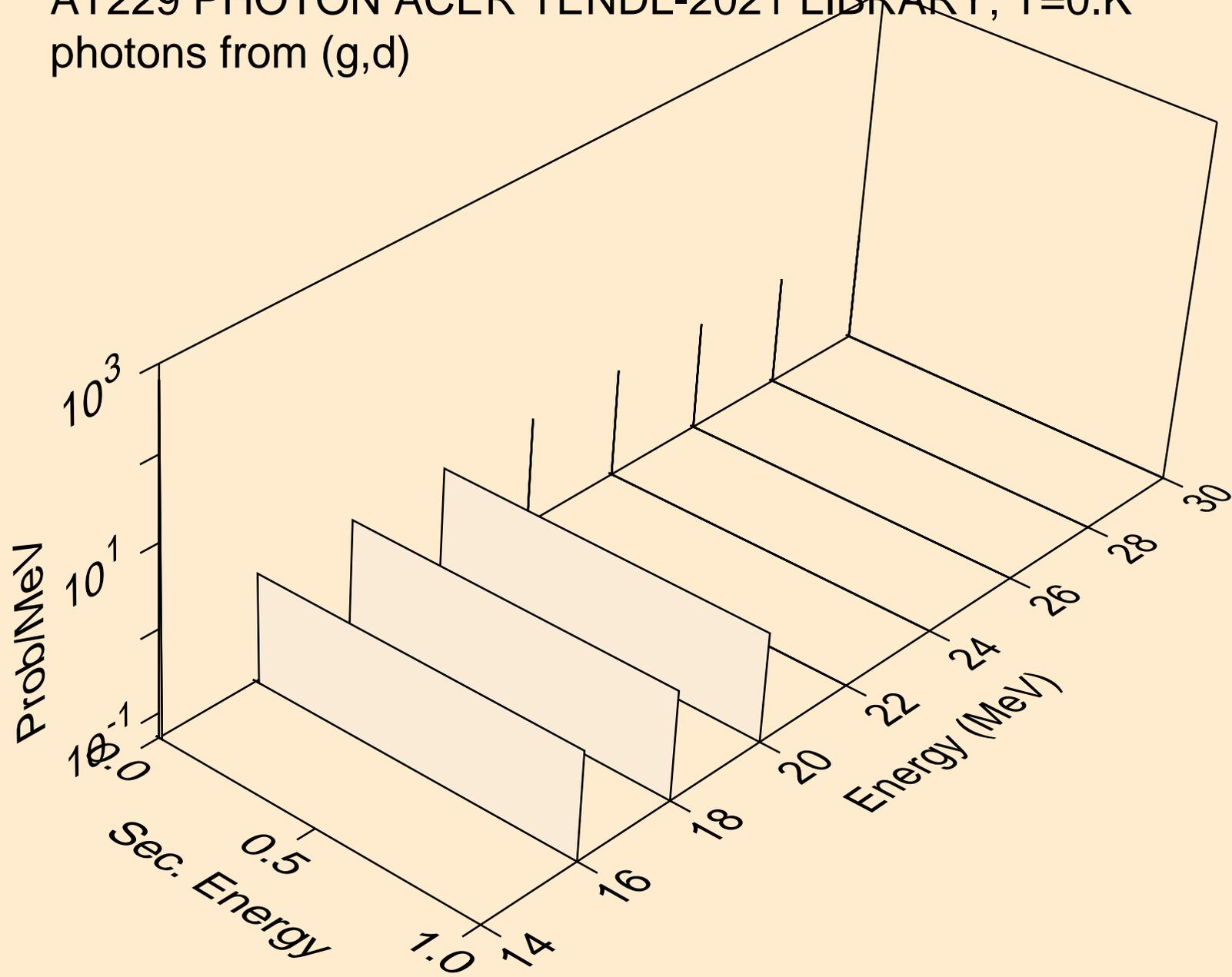photons from (g,n*c)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
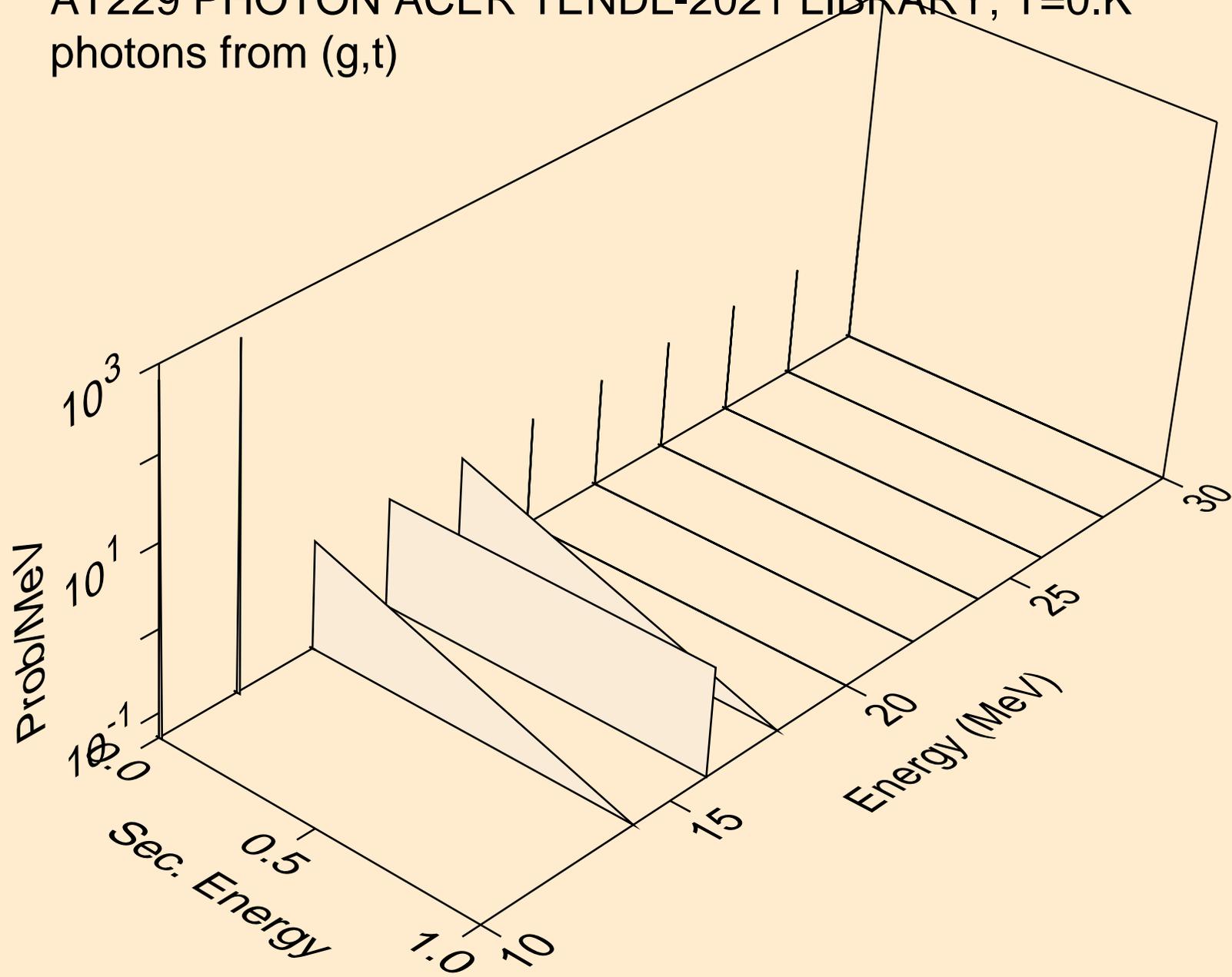photons from (g,gma)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
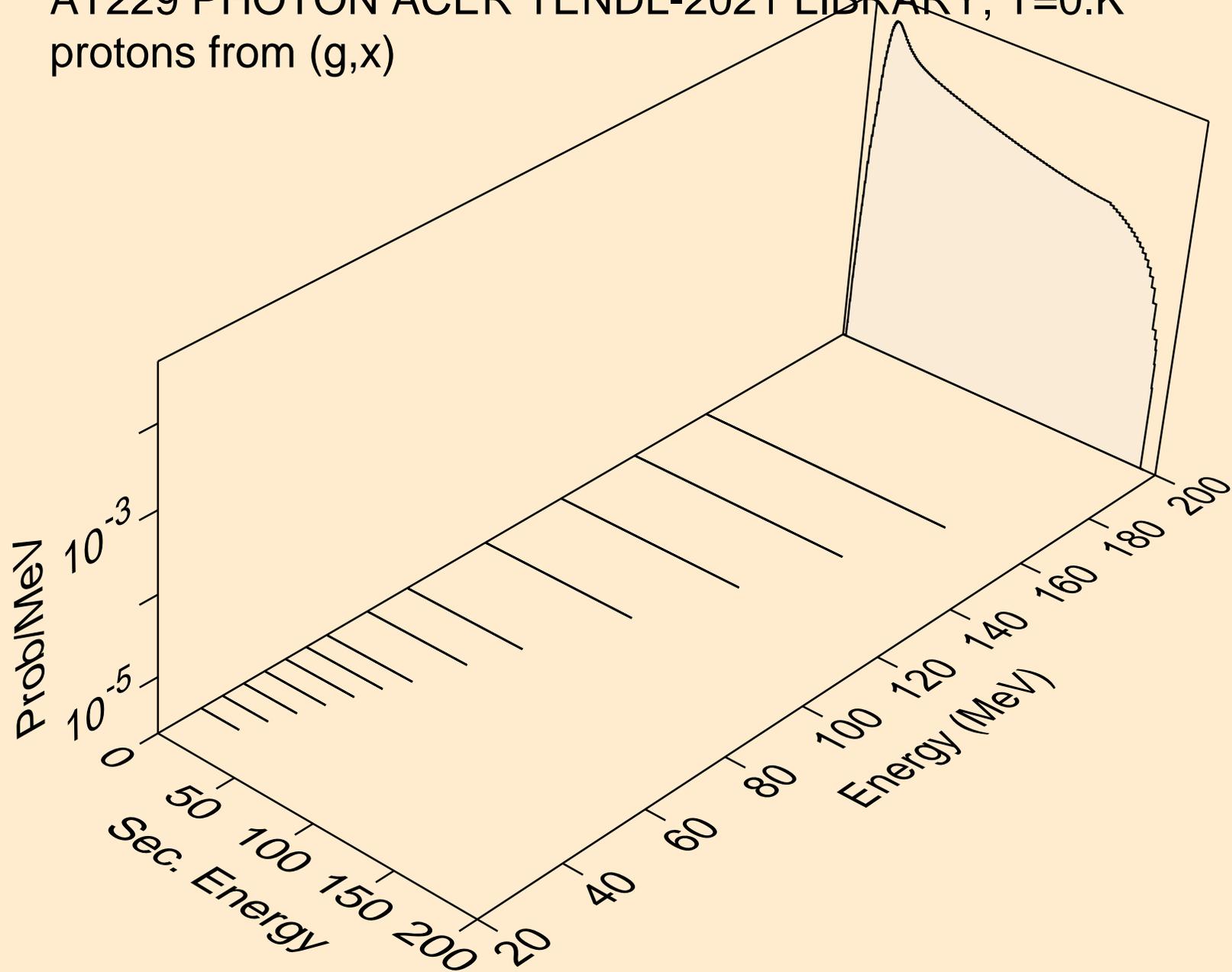photons from (g,p)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
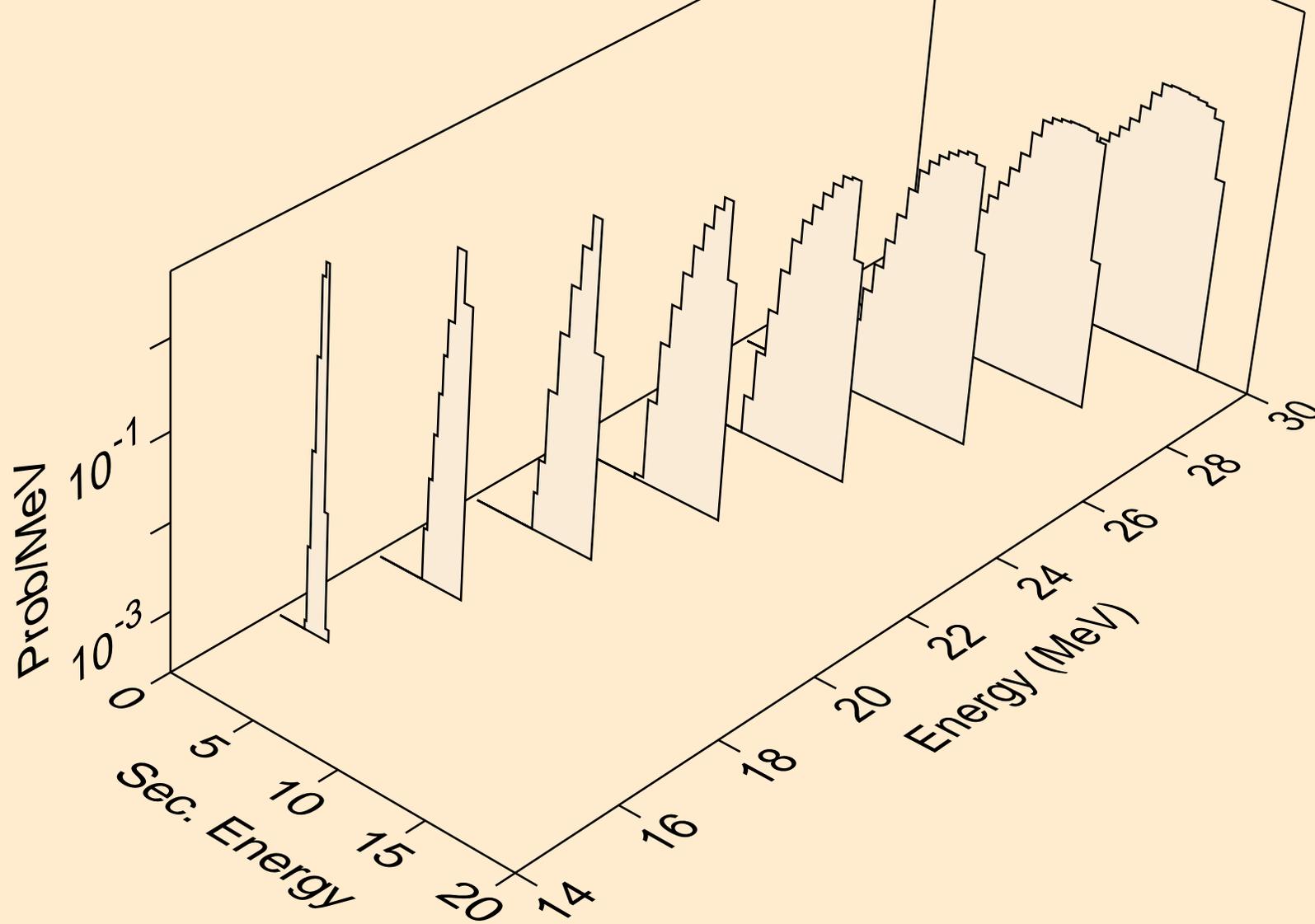photons from (g,d)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
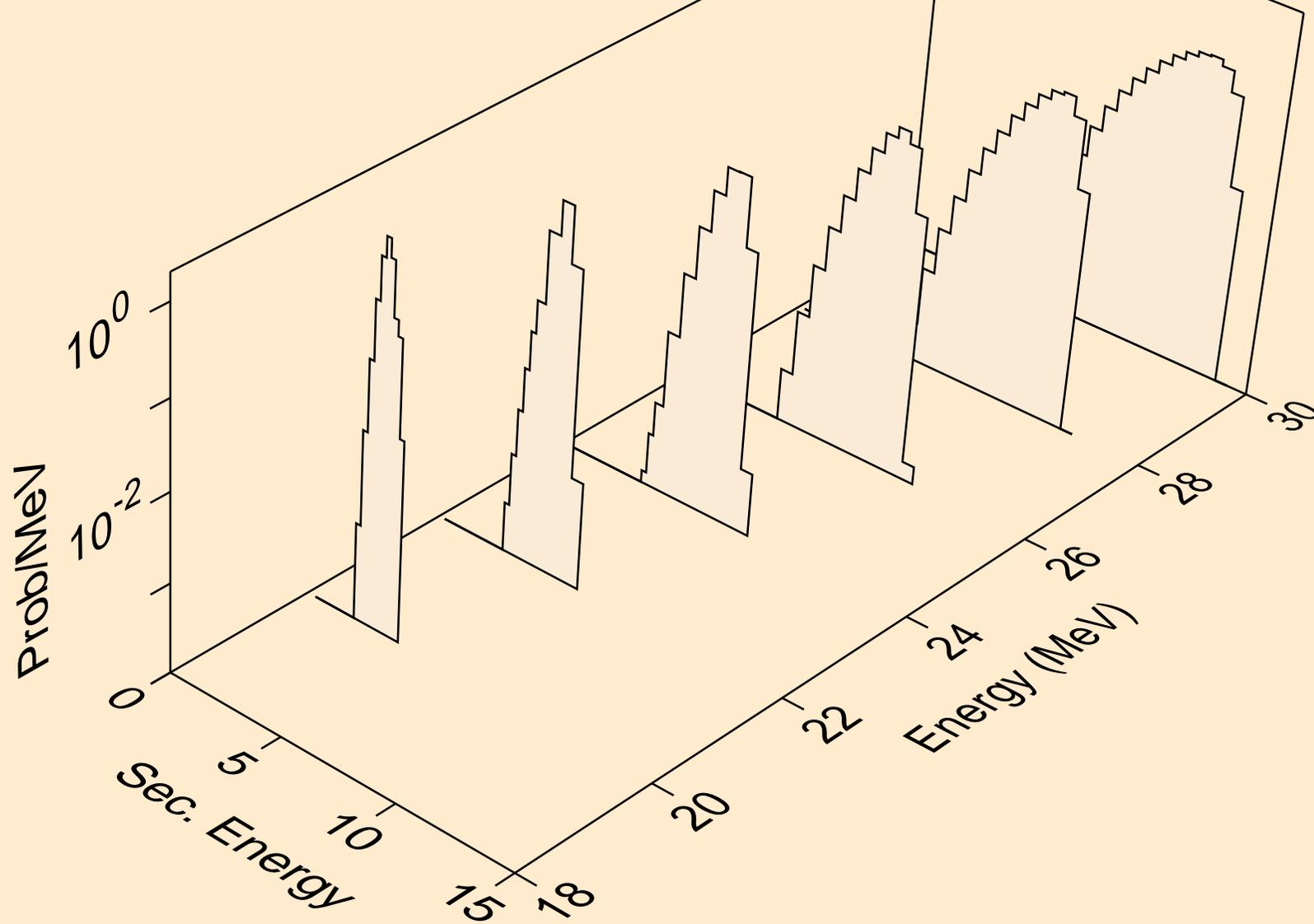photons from (g,t)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
protons from (g,x)

Prob/MeV

10^{-3}

10^{-5}

0

Sec. Energy

50   100   150   200

20   40   60   80   100   120   140   160   180   200
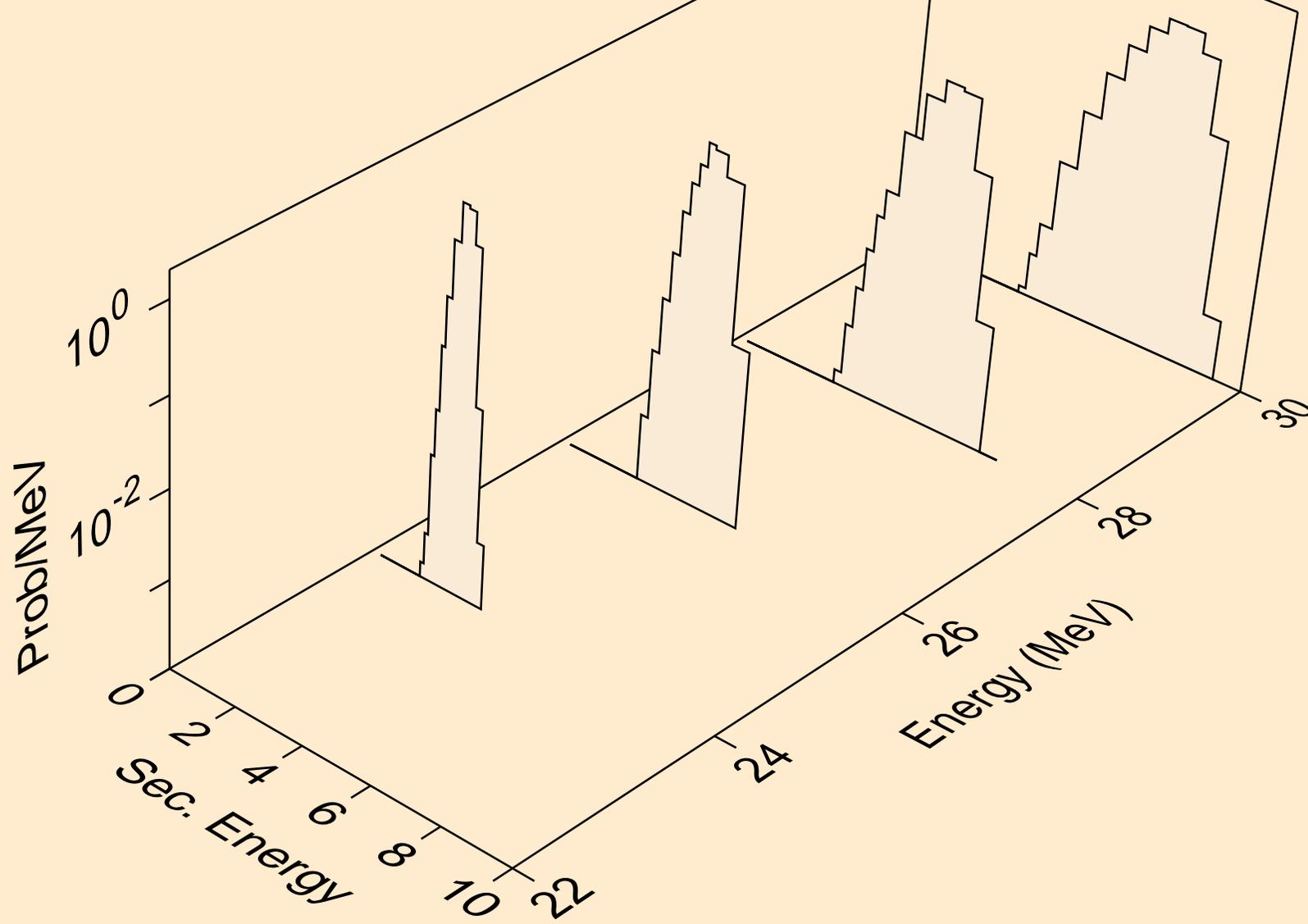
Energy (MeV)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
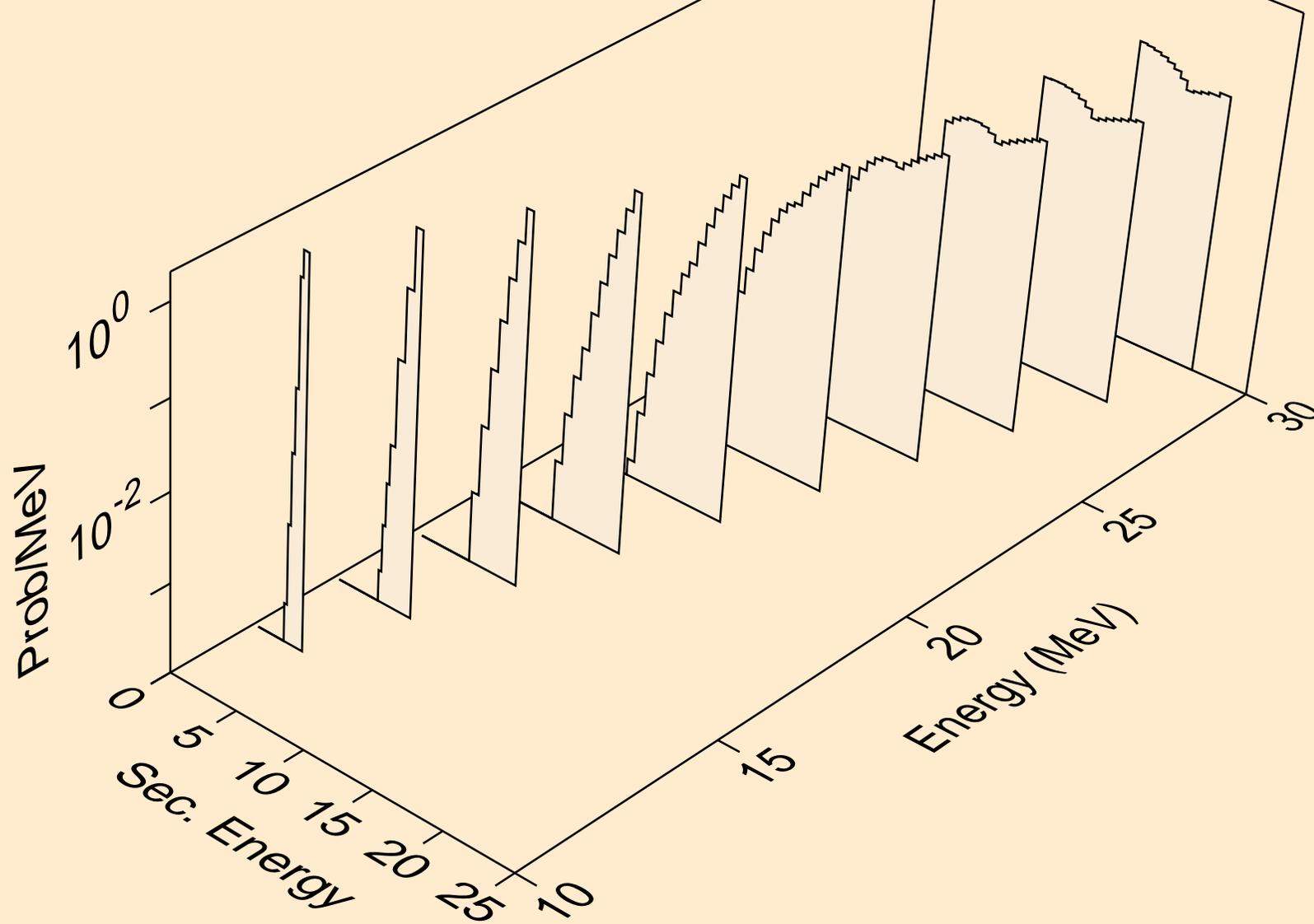protons from (g,n*)p

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
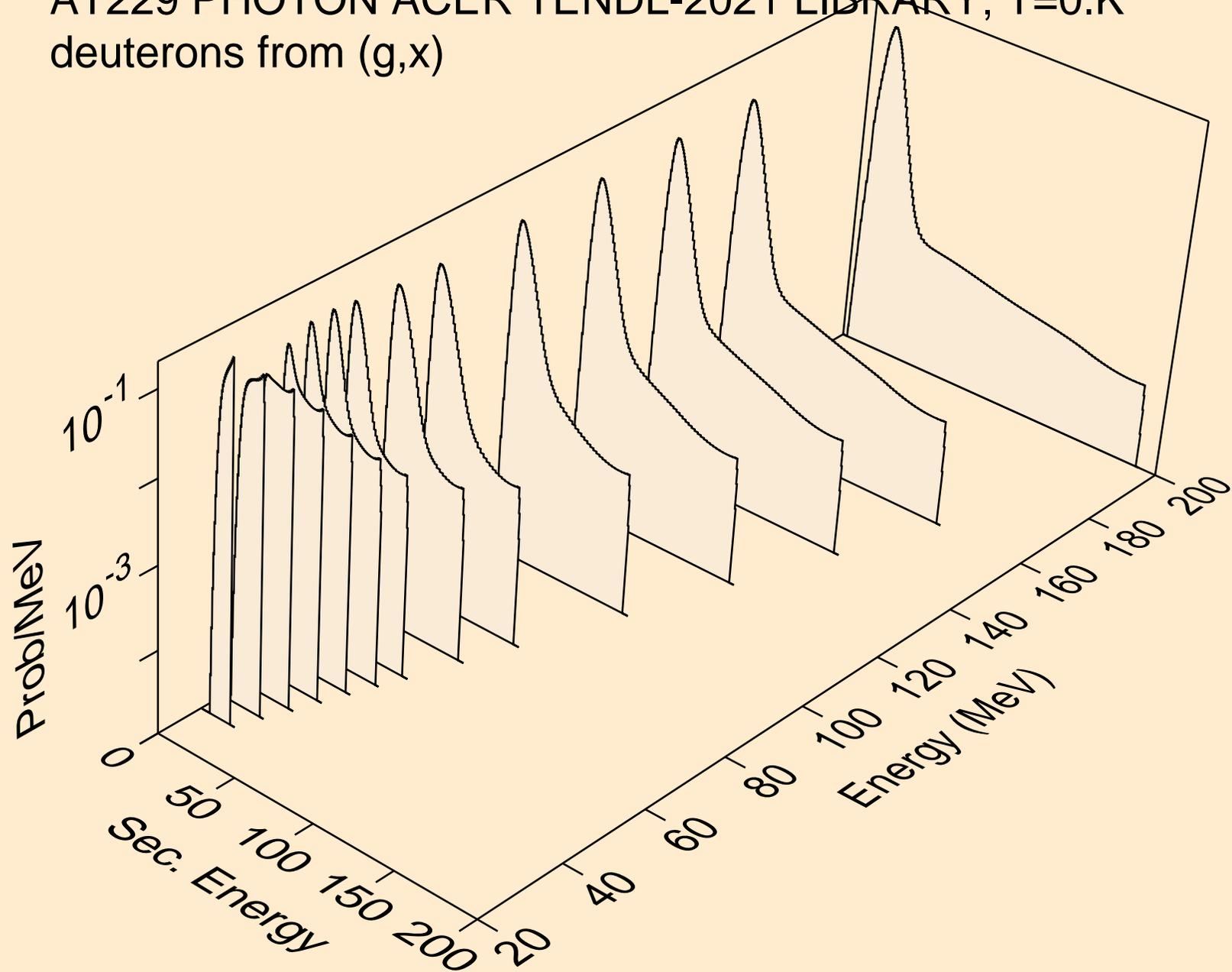protons from (g,2np)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
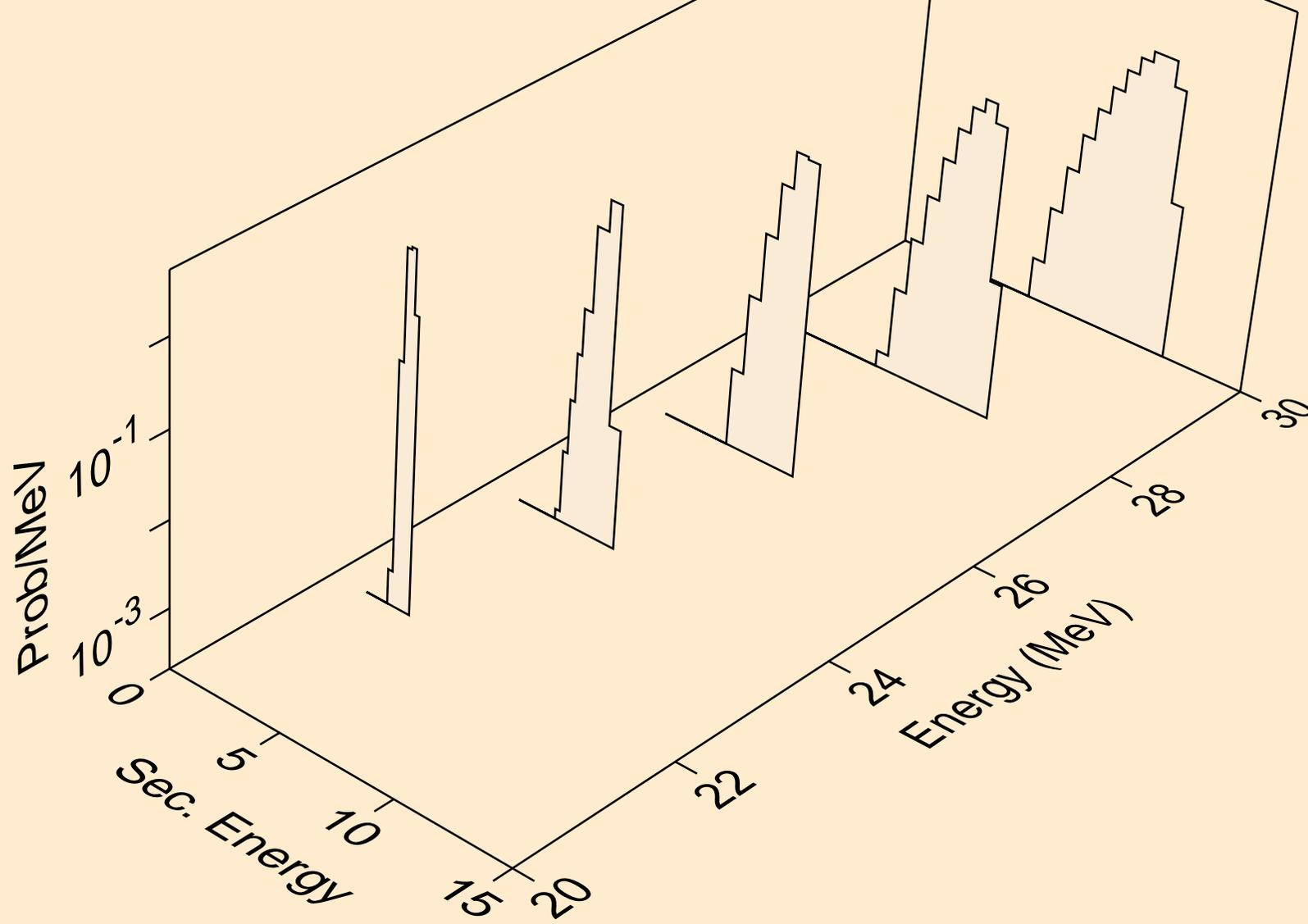protons from (g,3np)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
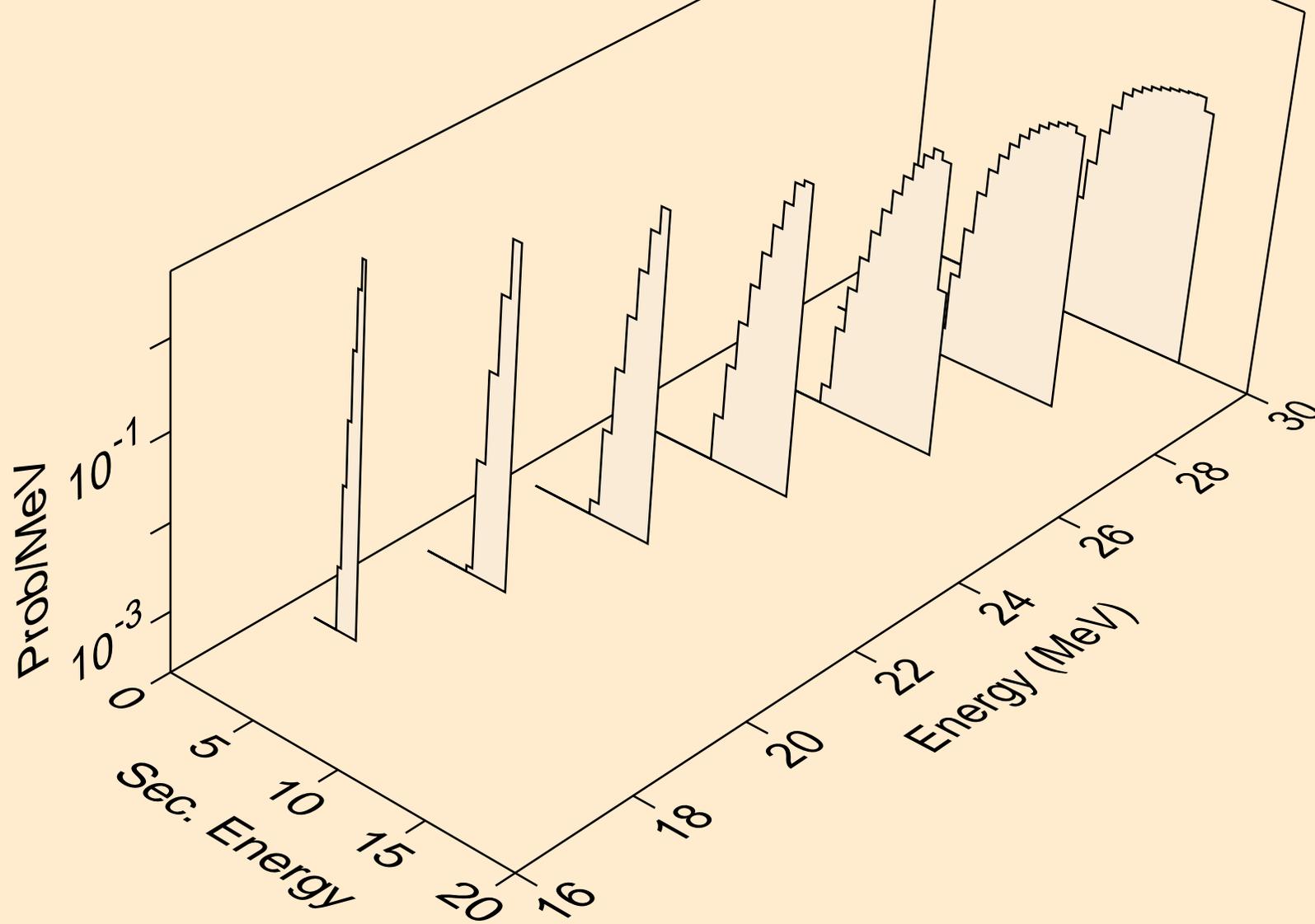protons from (g,p)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
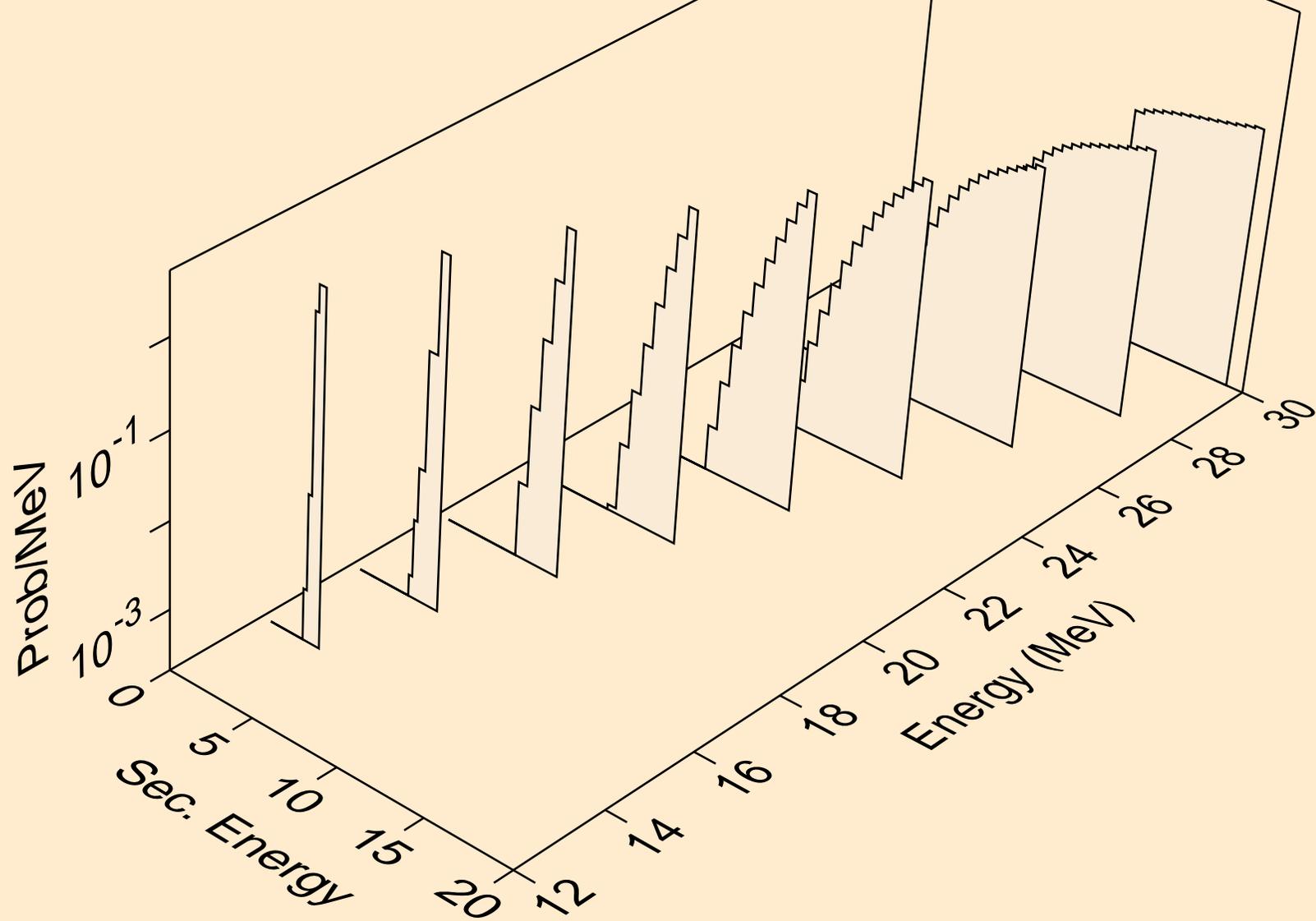deuterons from (g,x)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
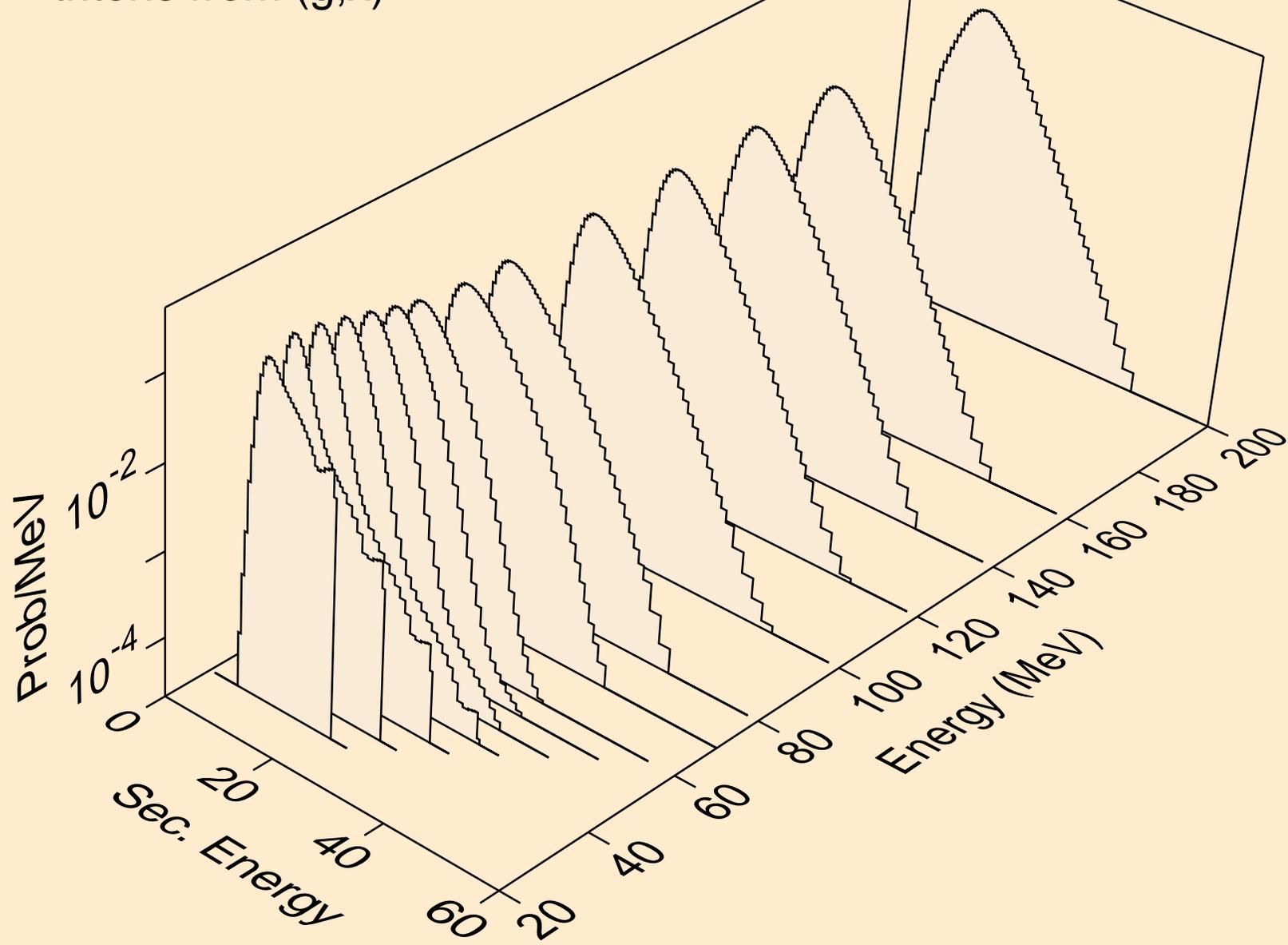deuterons from (g,2nd)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
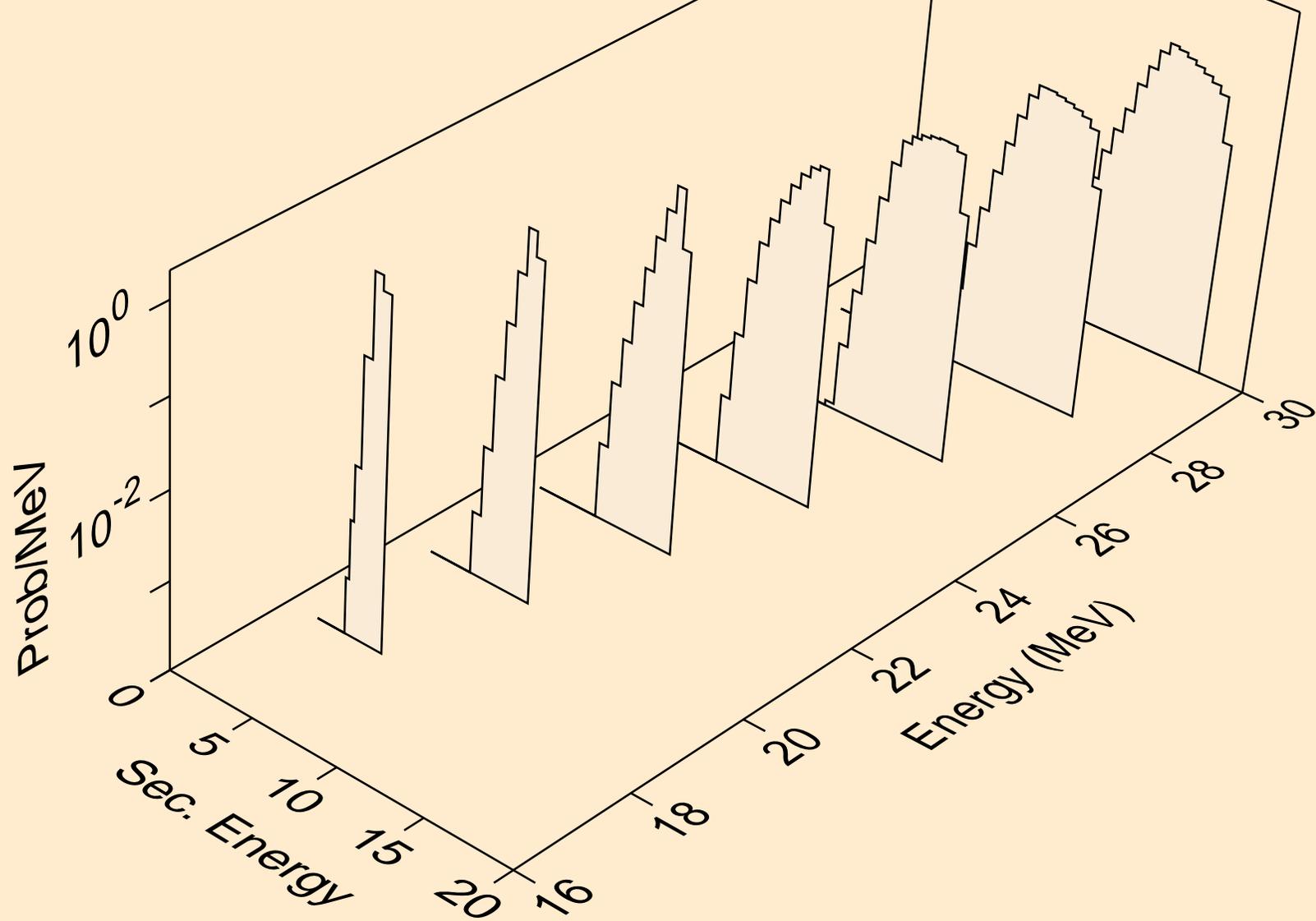deuterons from (g,n*)d

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
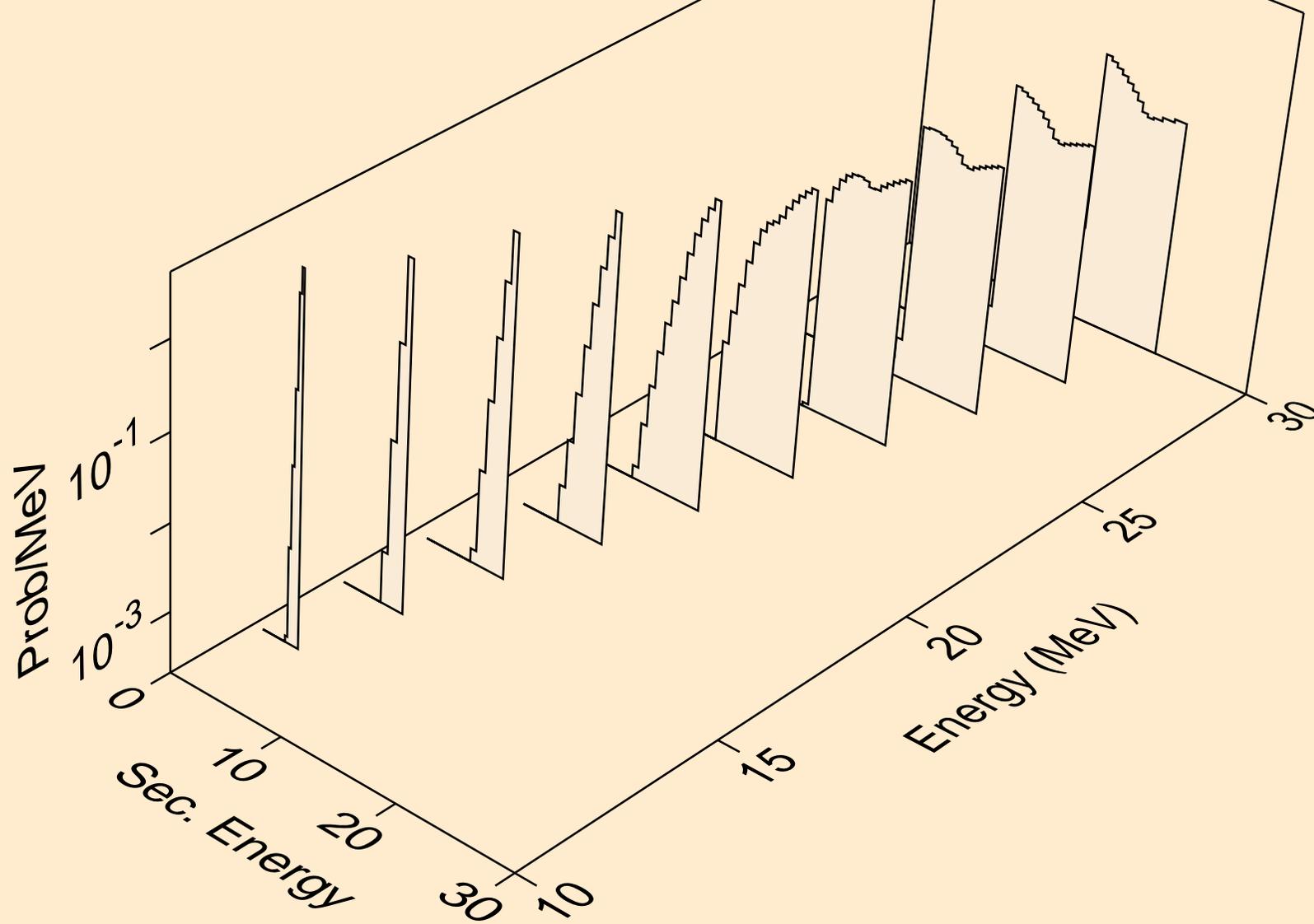deuterons from (g,d)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
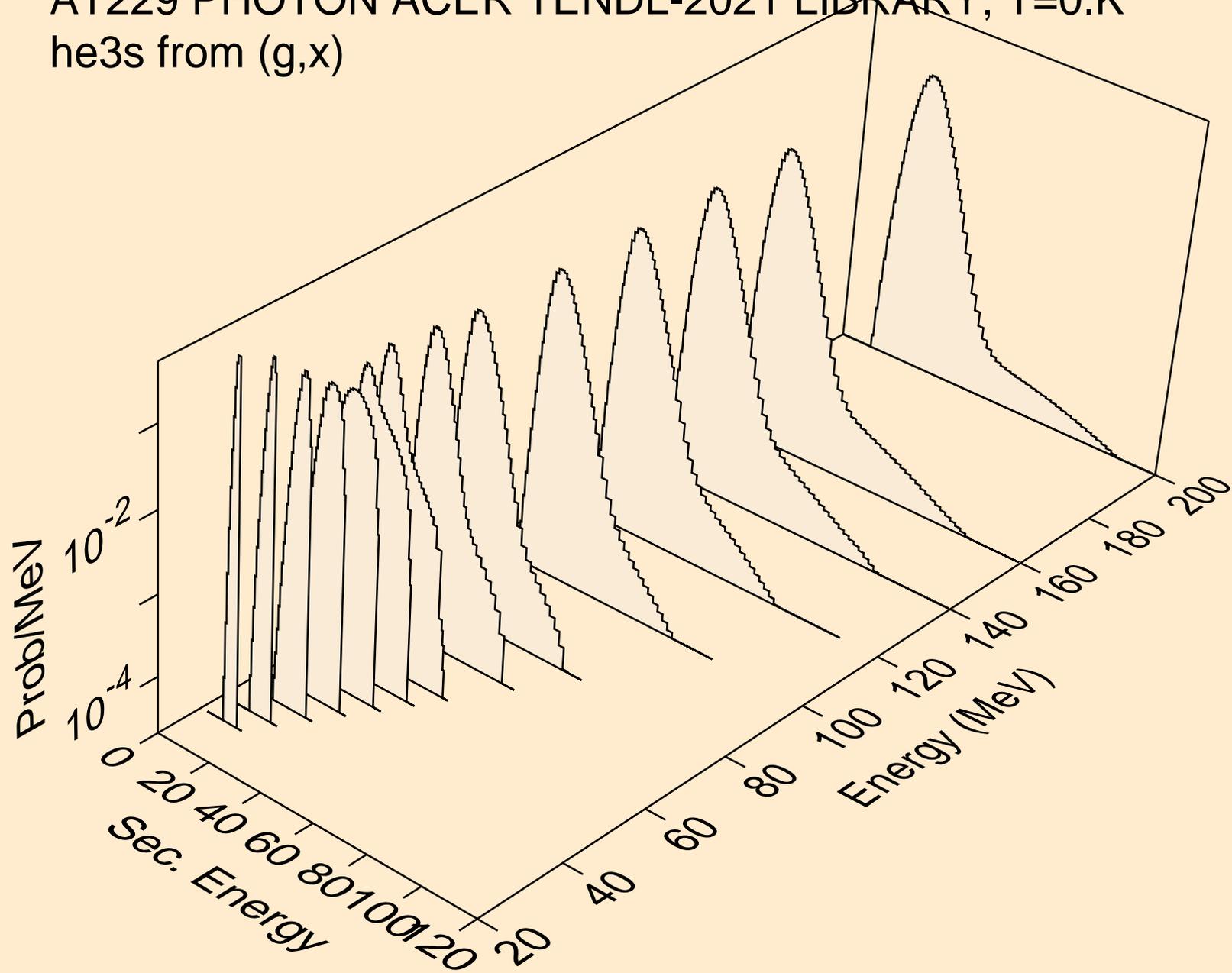tritons from (g,x)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
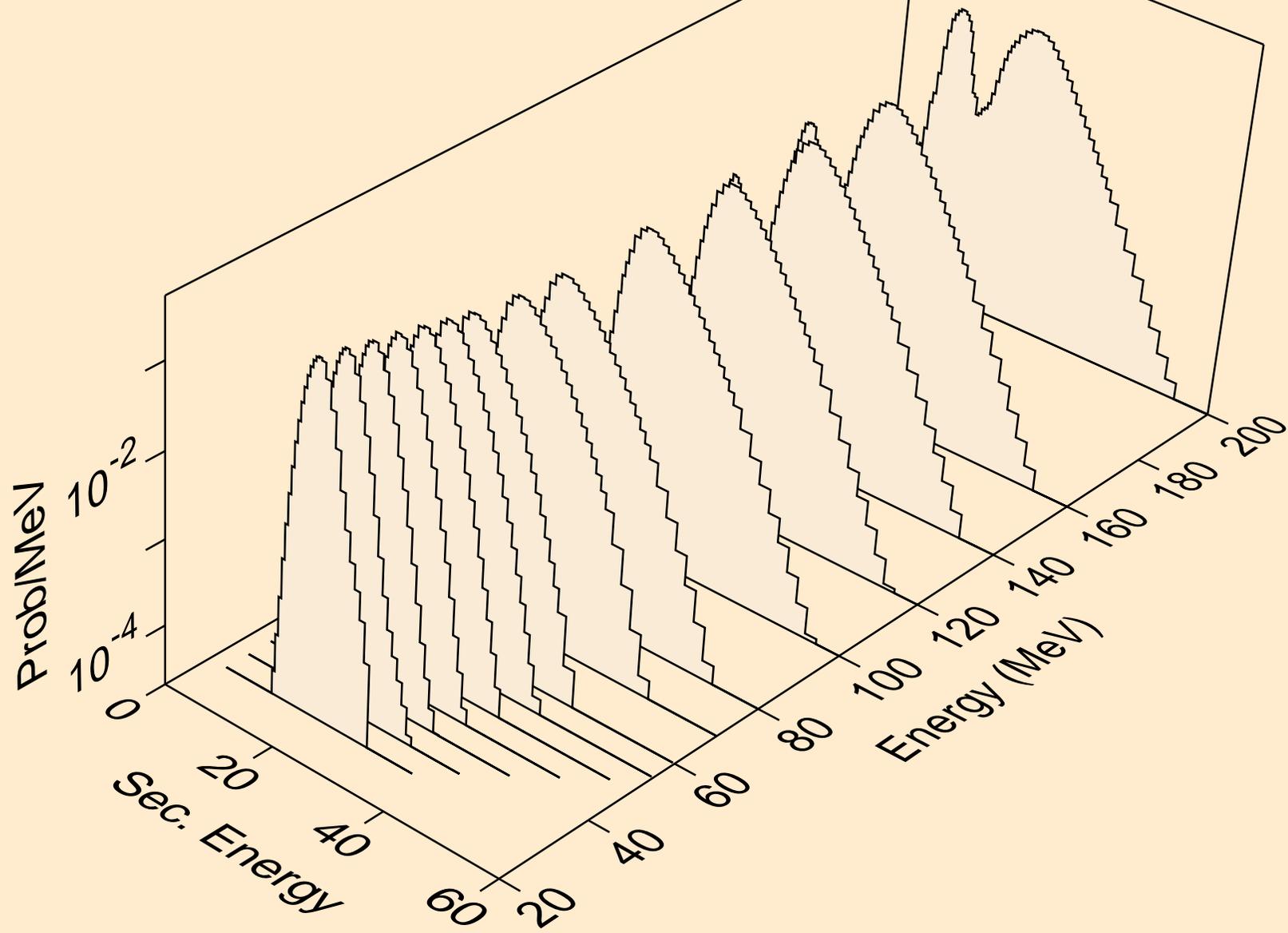tritons from (g,n*)t

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
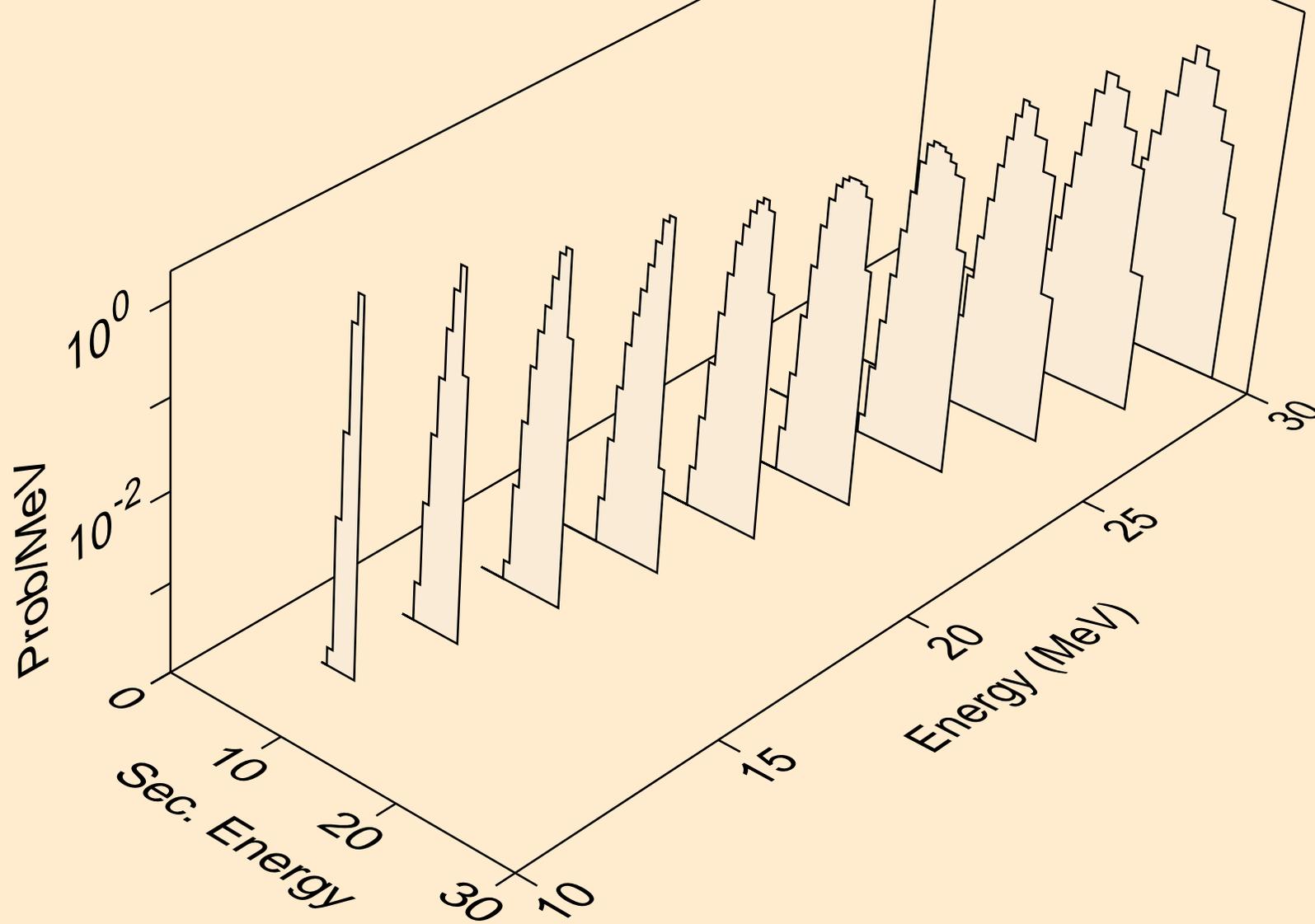tritons from (g,t)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
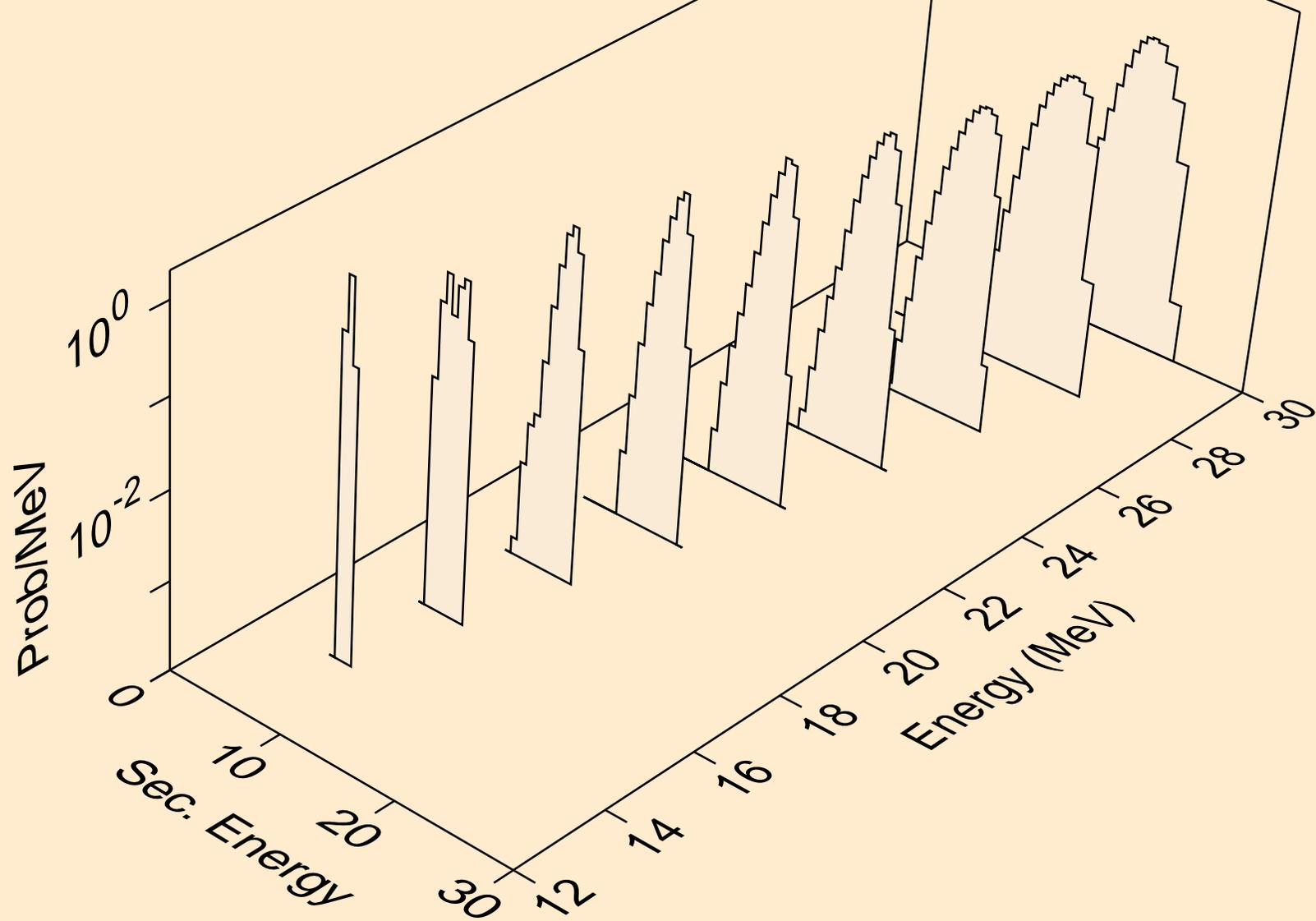he3s from (g,x)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
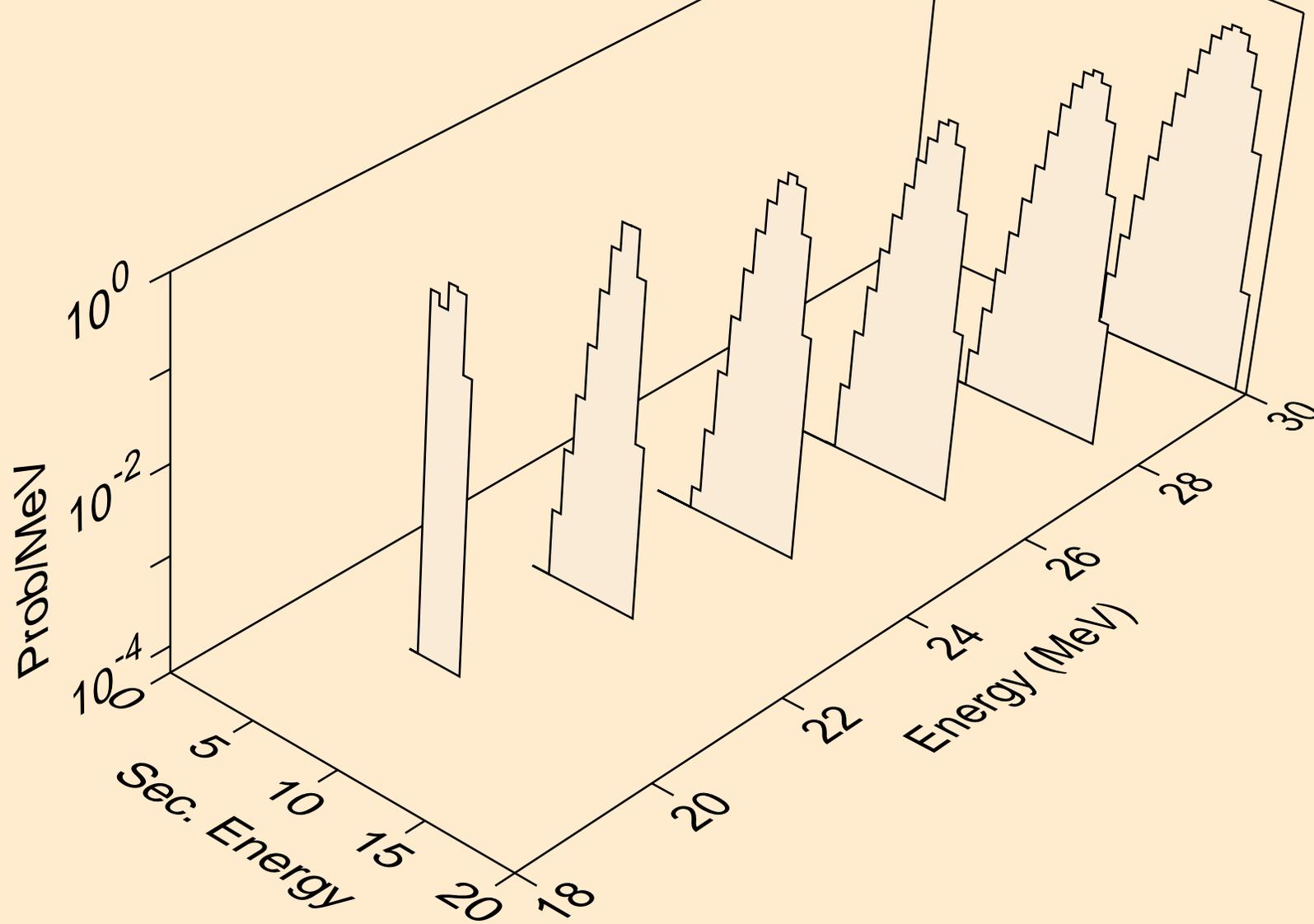alphas from (g,x)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,n*)a

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,2n)a

ProbMeV

10^0

10^{-2}

Sec. Energy

Energy (MeV)

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,3n)a

AT229 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (g,a)