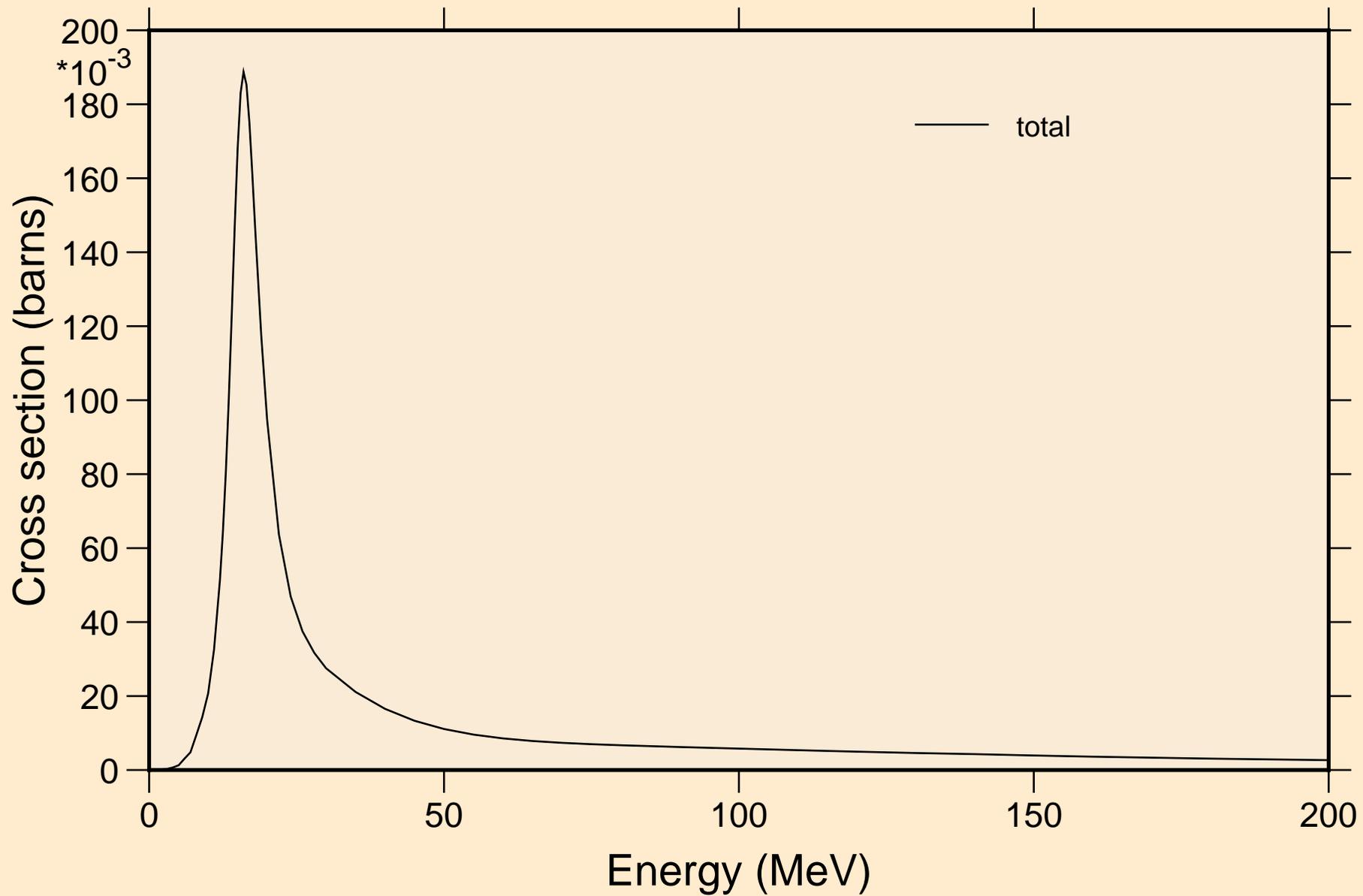RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
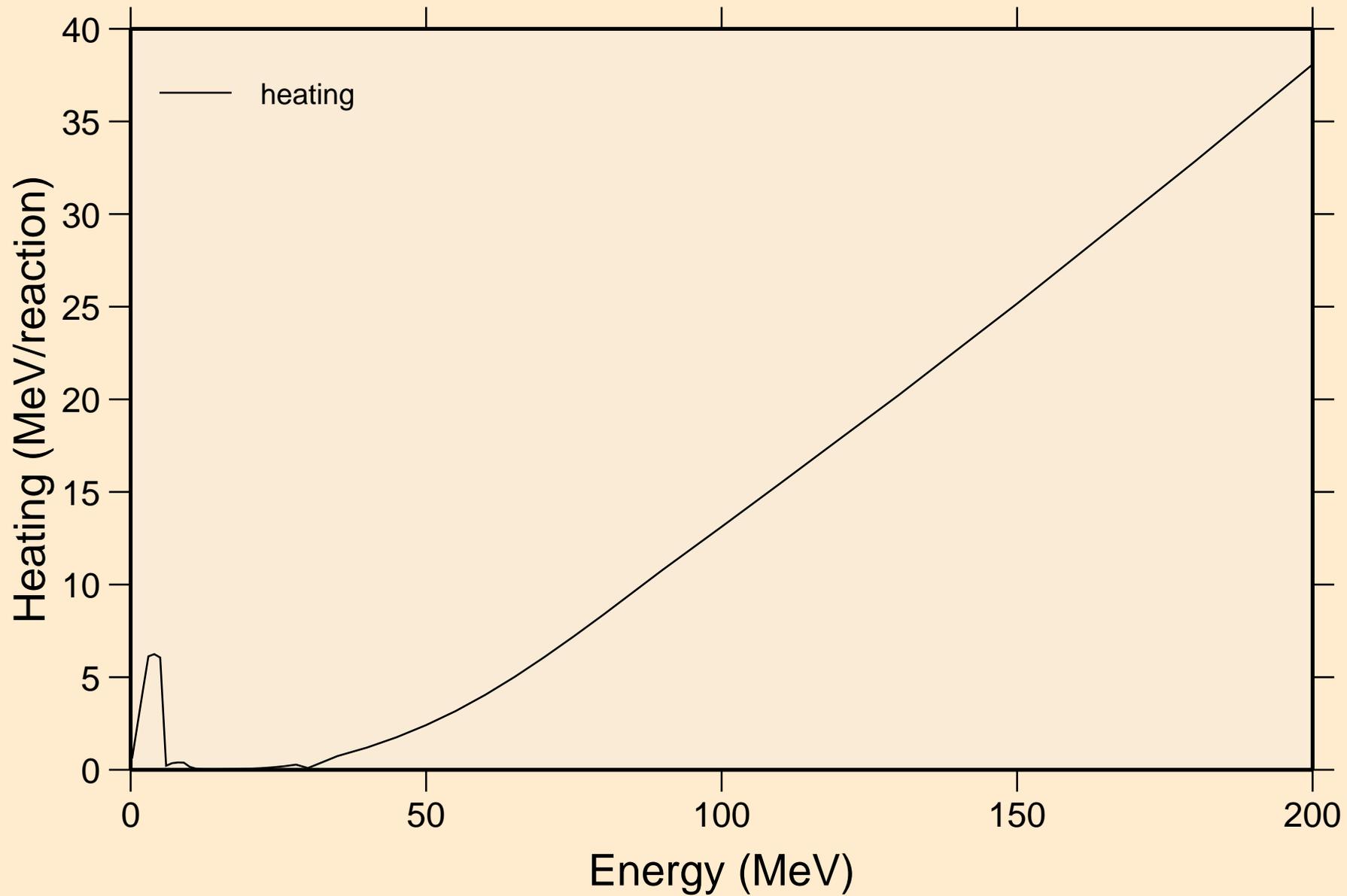Principal cross sections

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Partial cross sections

Cross section (barns) vs Energy (MeV)

Legend:
- (g,x) — black solid
- (g,2nd) — red solid
- (g,2n) — green solid
- (g,3n) — blue solid
- (g,n*)a — magenta solid
- (g,2n)a — cyan solid
- (g,n*)p — brown solid
- (g,n*)d — purple solid
- (g,n*)t — black dashed
- (g,2np) — red dashed
- (g,n*0) — green dashed
- (g,n*1) — blue dashed
- (g,n*c) — magenta dashed
- (g,gma) — cyan dashed
- (g,p) — brown dashed
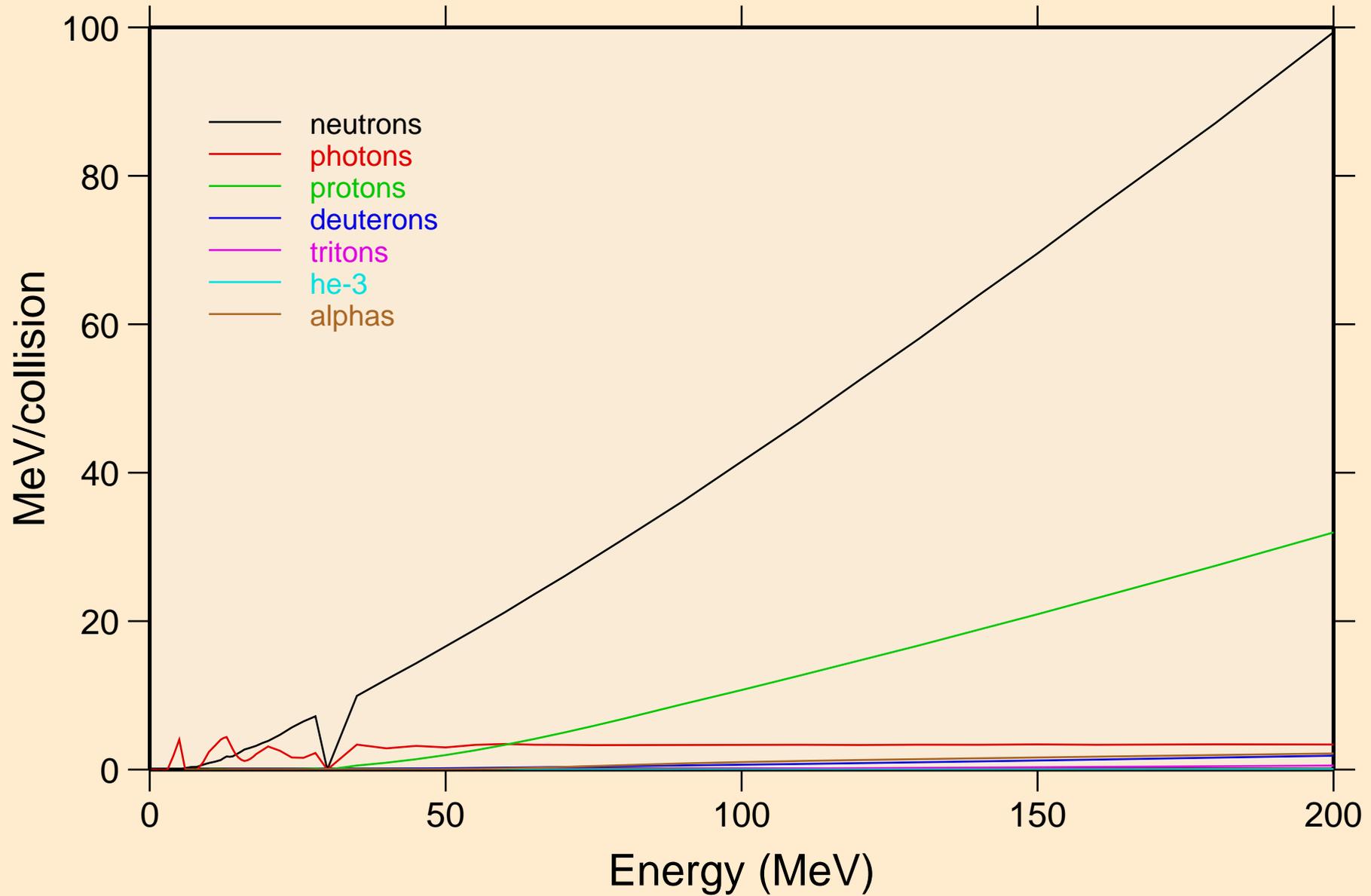- (g,d) — purple dashed
- (g,t) — black dash-dot
- (g,a) — red dash-dot
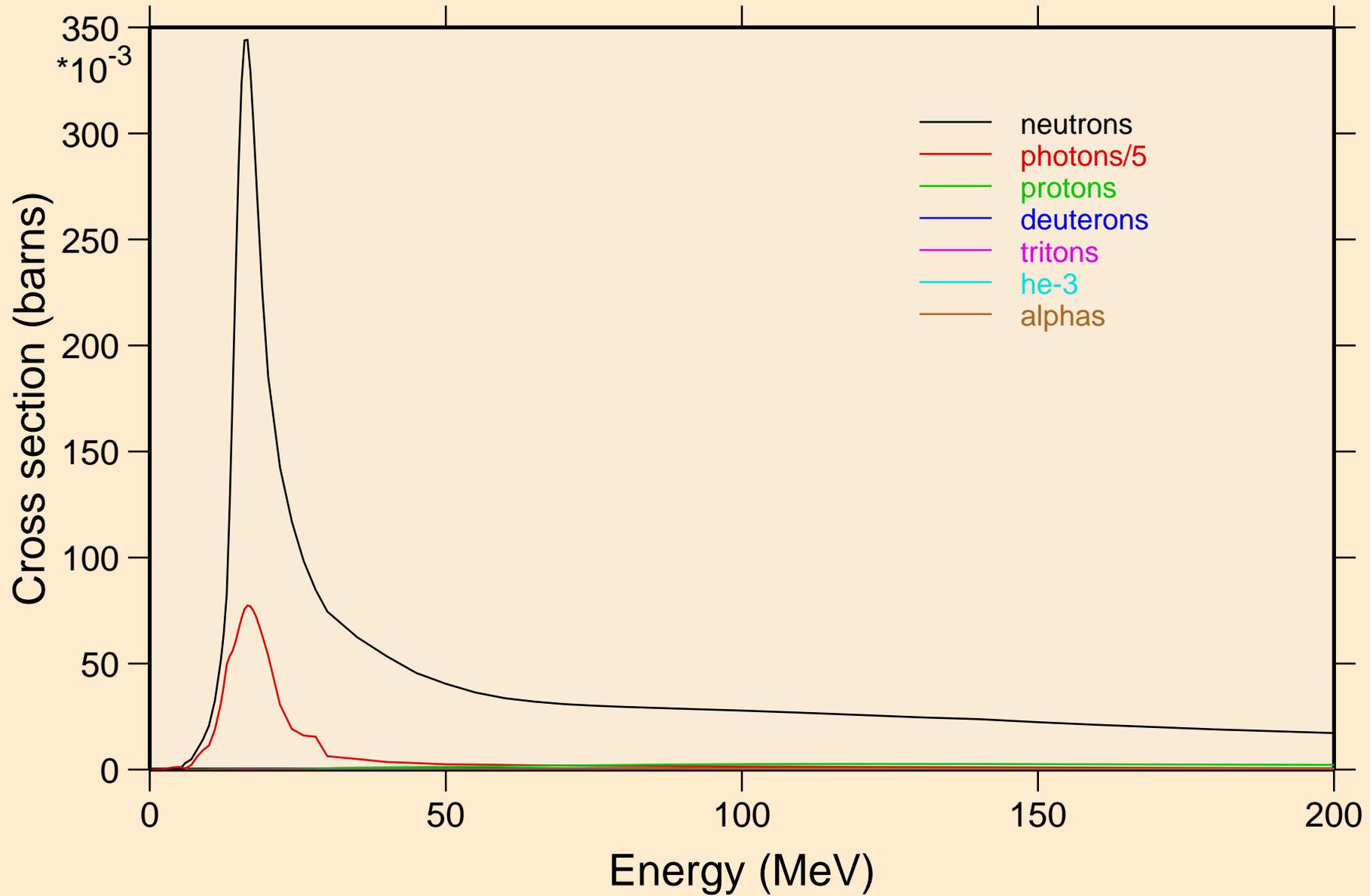
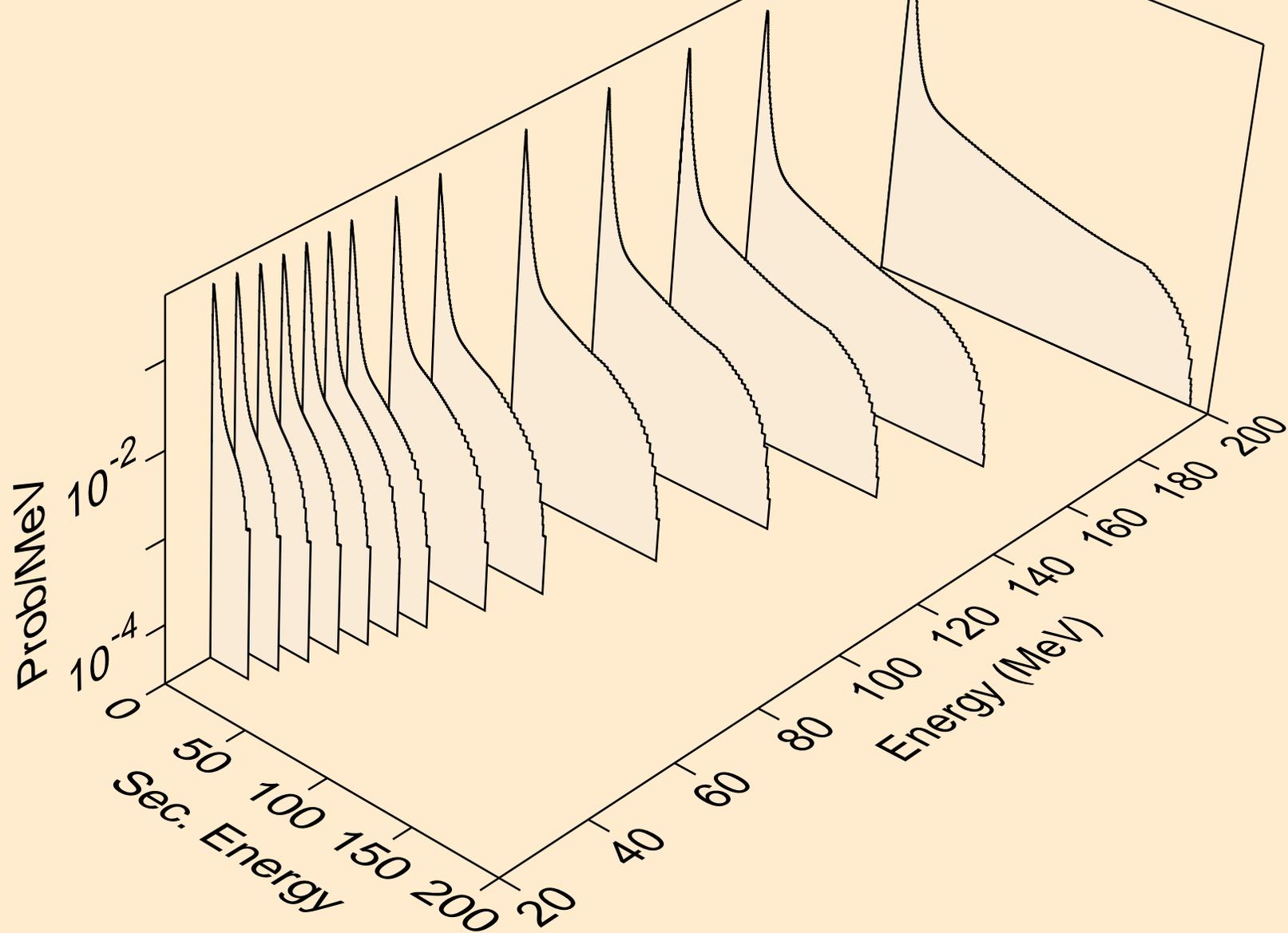RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Heating

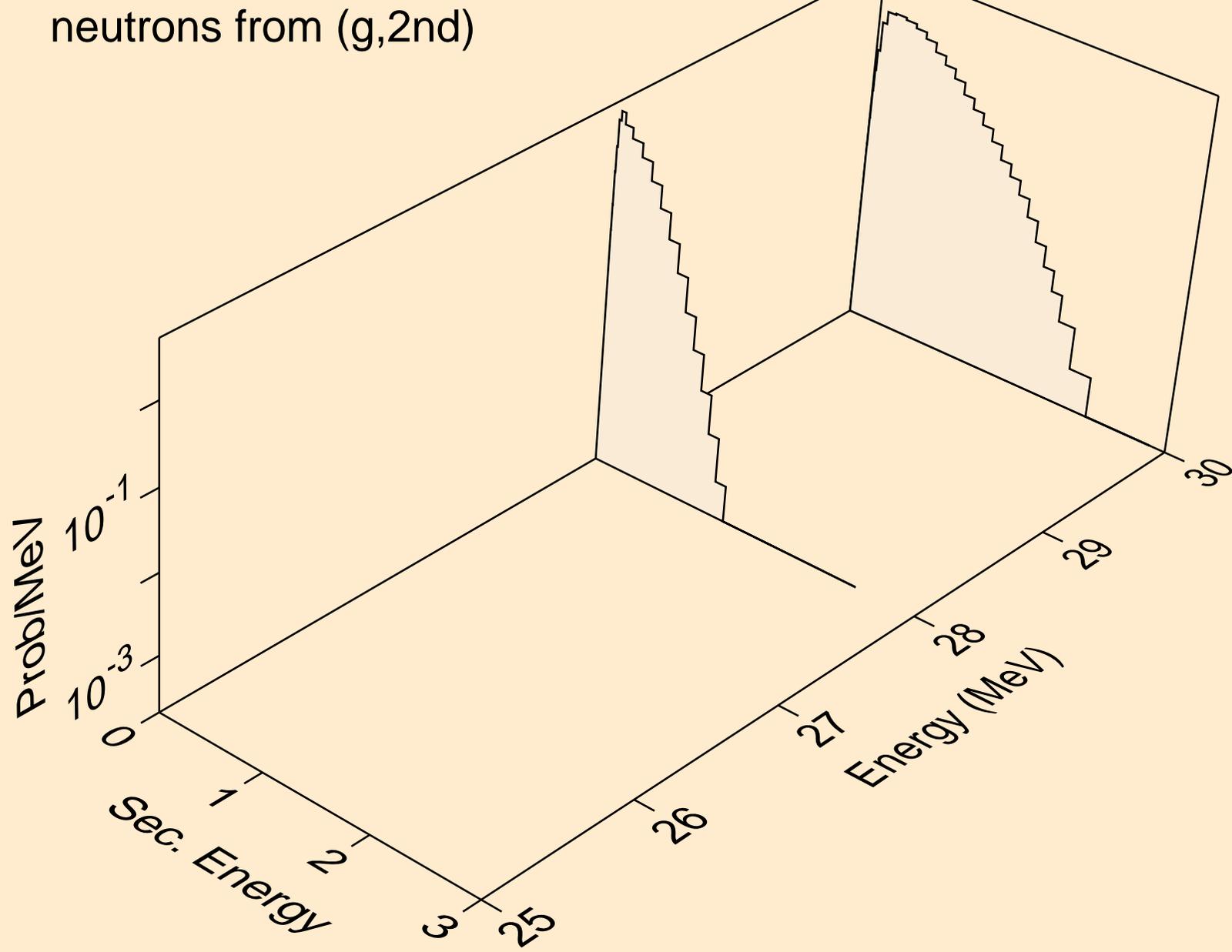RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

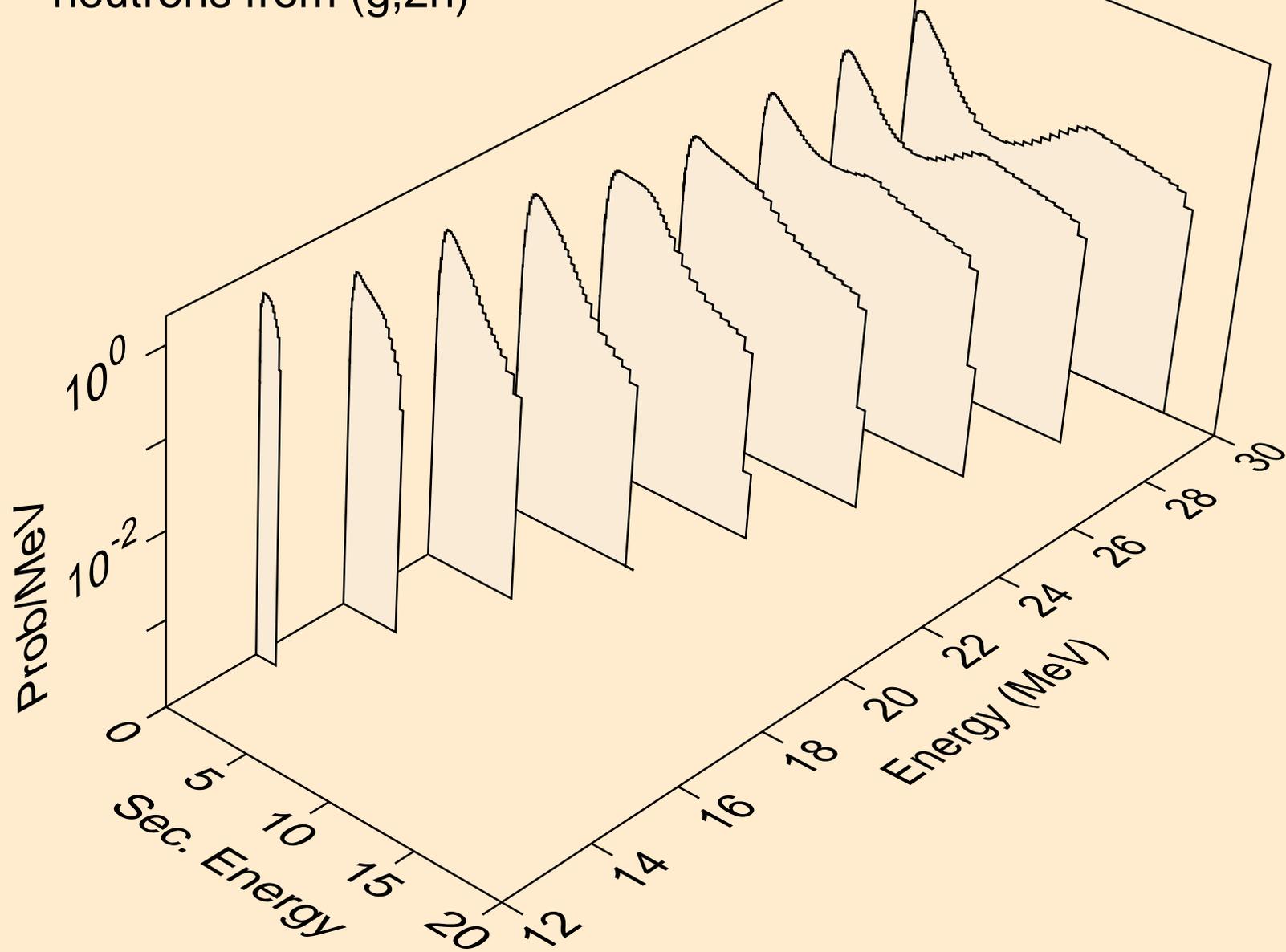RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections

Cross section (barns) vs Energy (MeV)

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

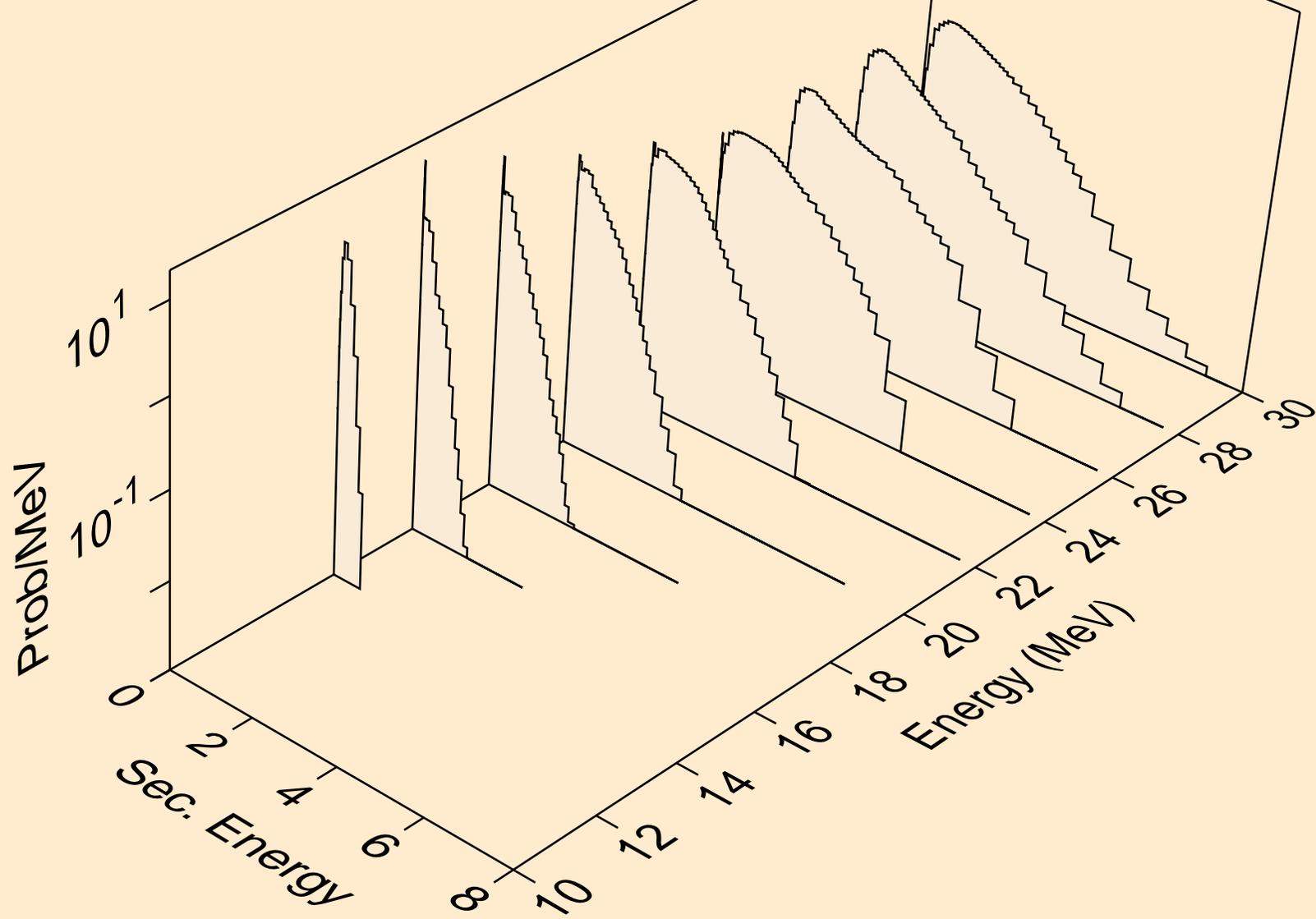RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,x)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2nd)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
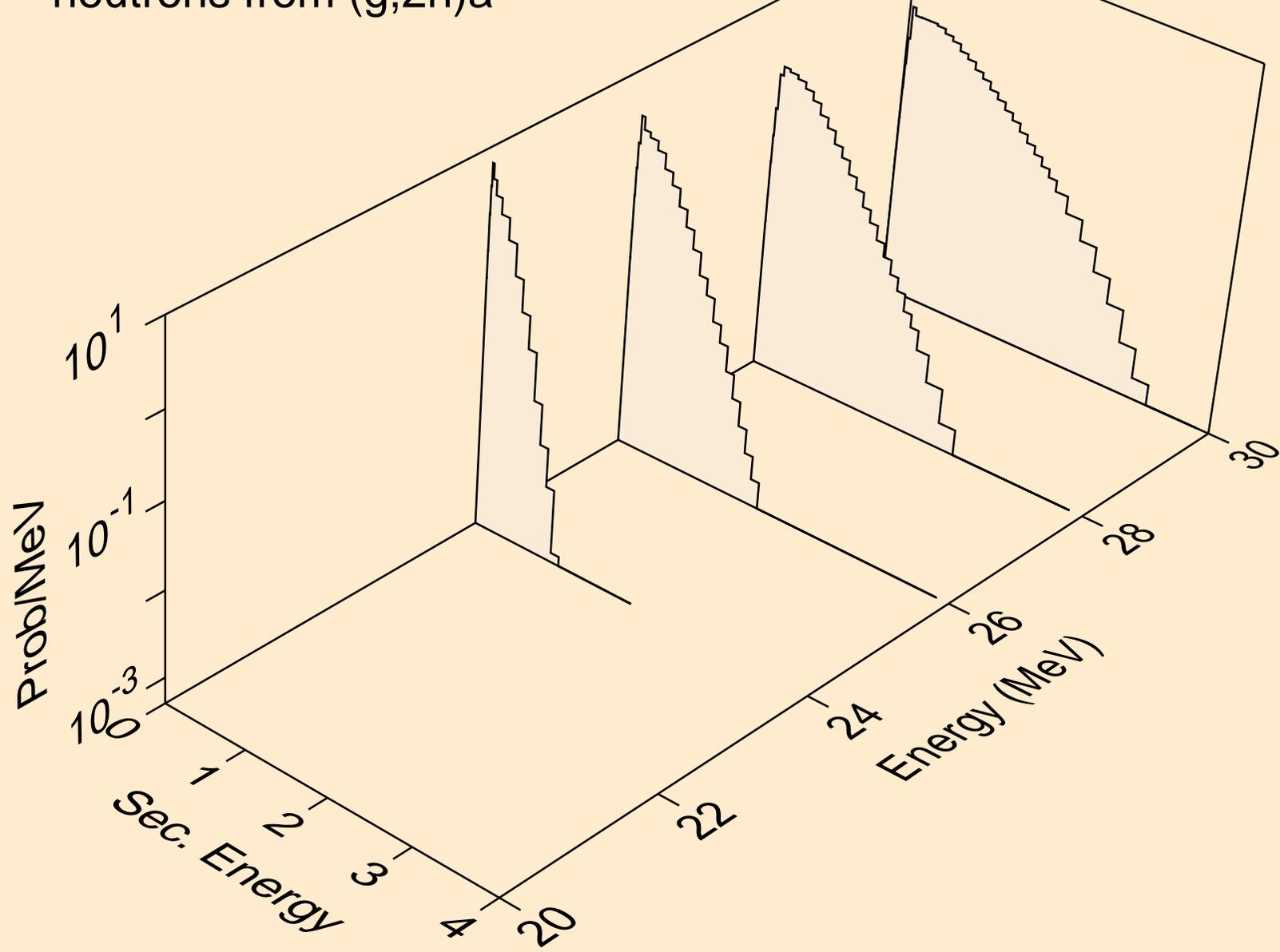neutrons from (g,2n)

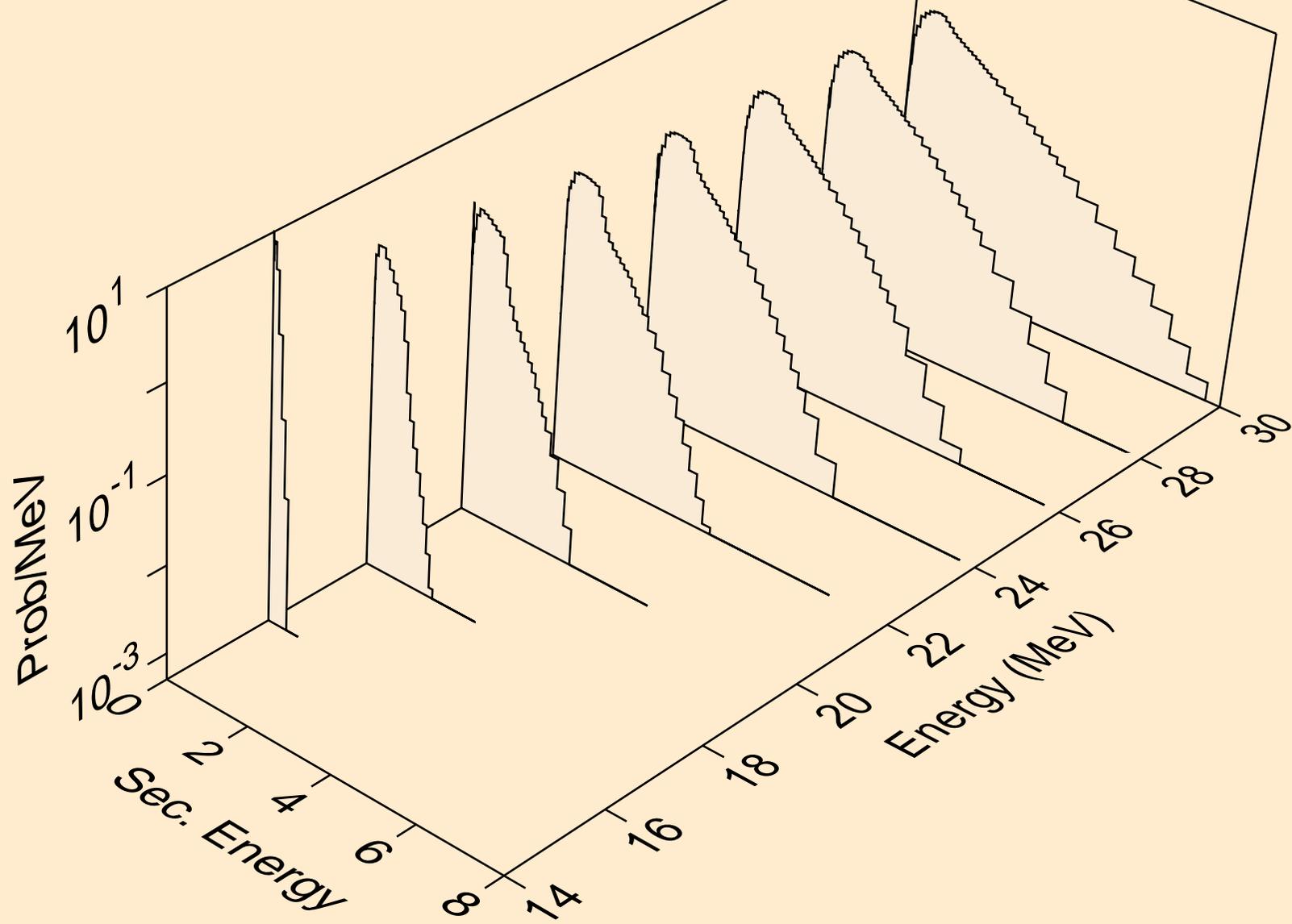RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,3n)
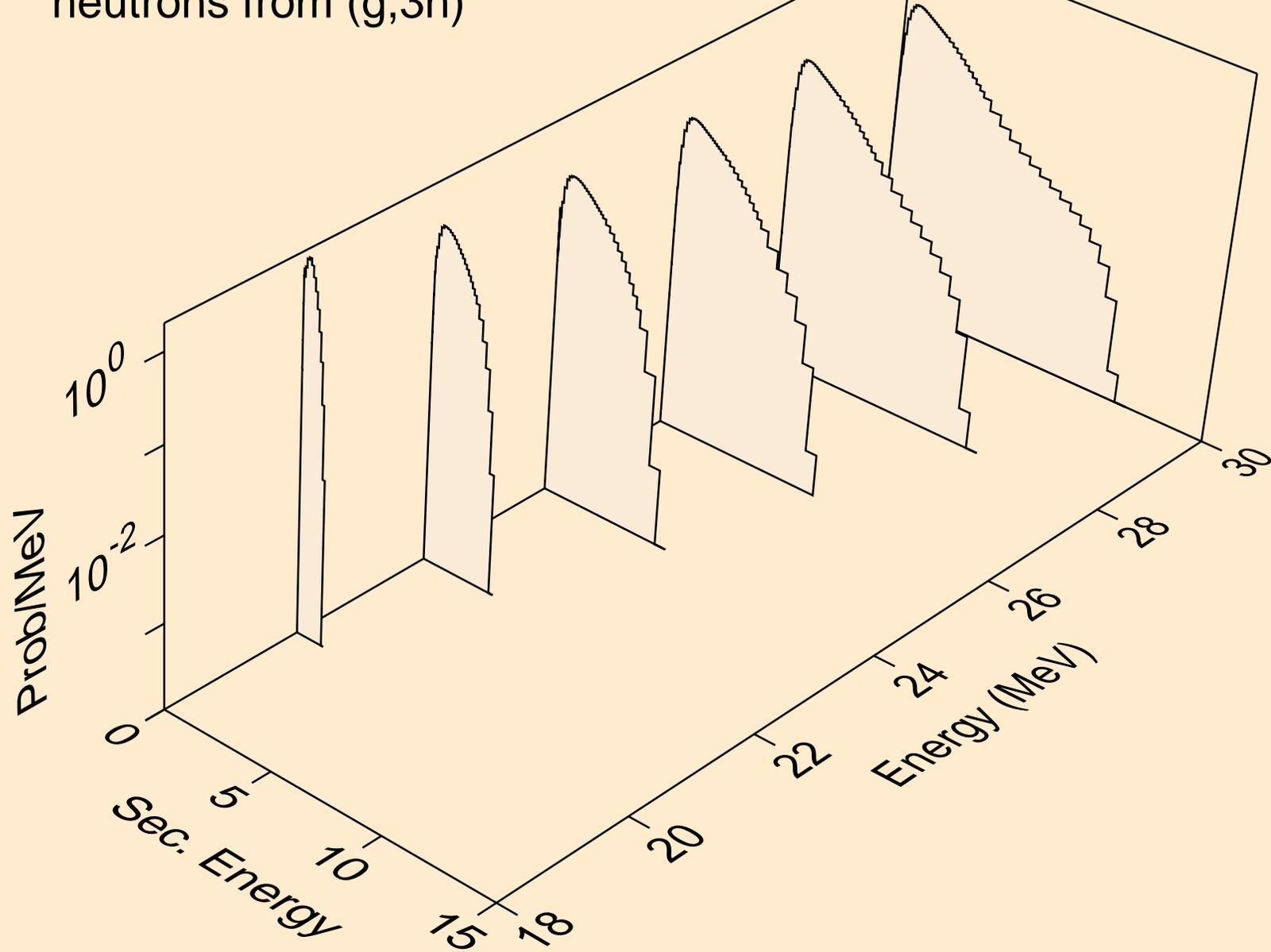
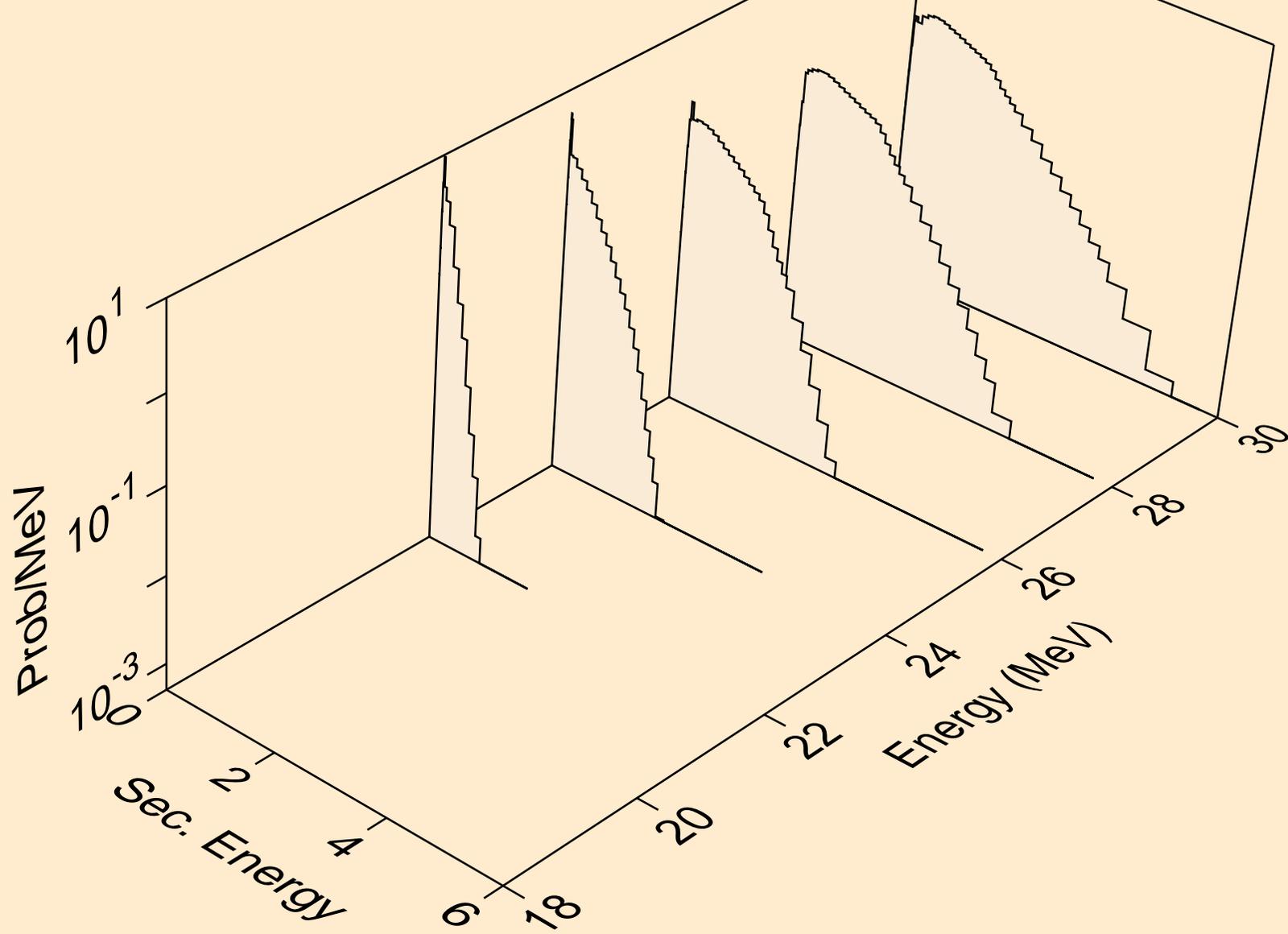RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)a

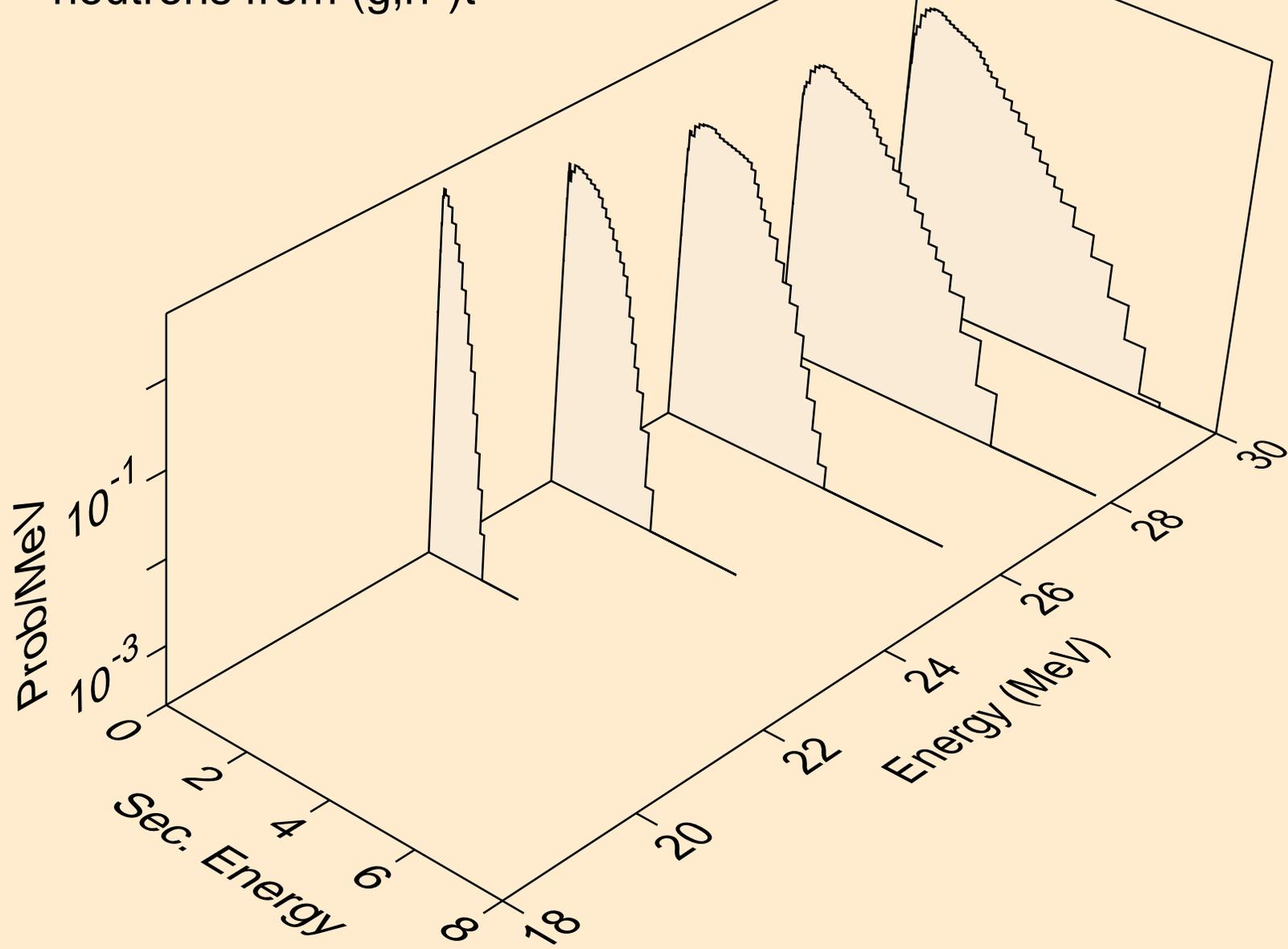RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2n)a

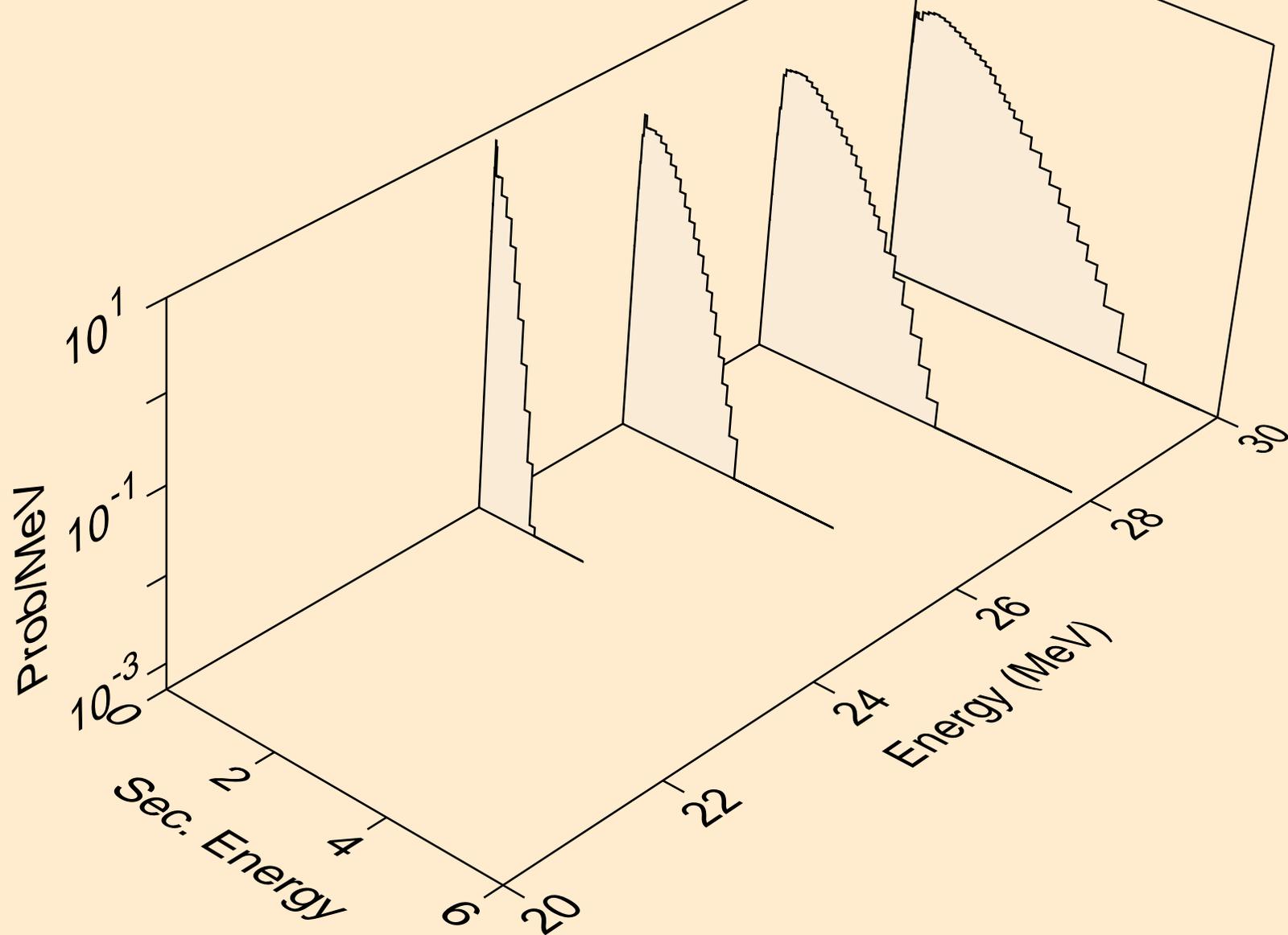RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)p

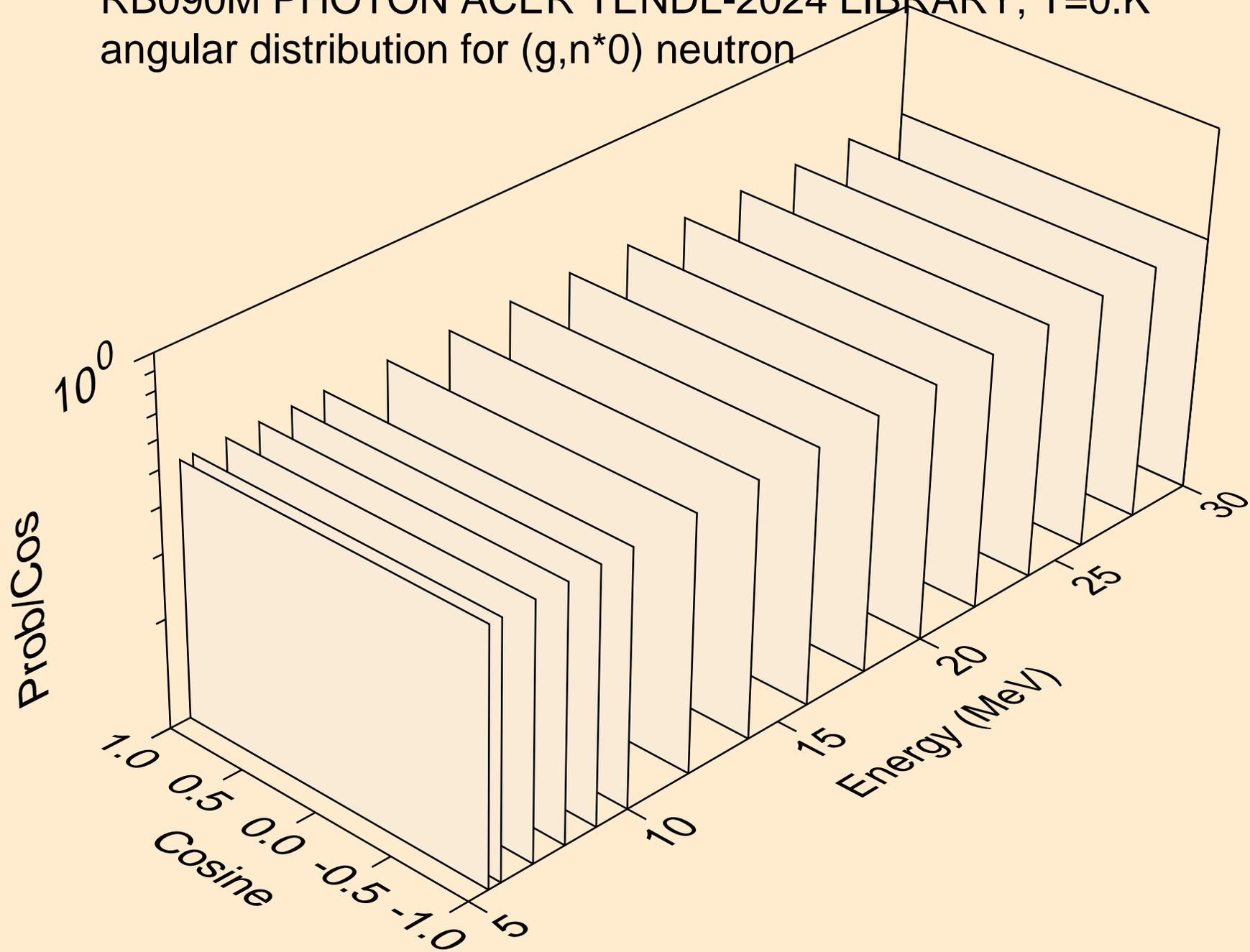RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)d

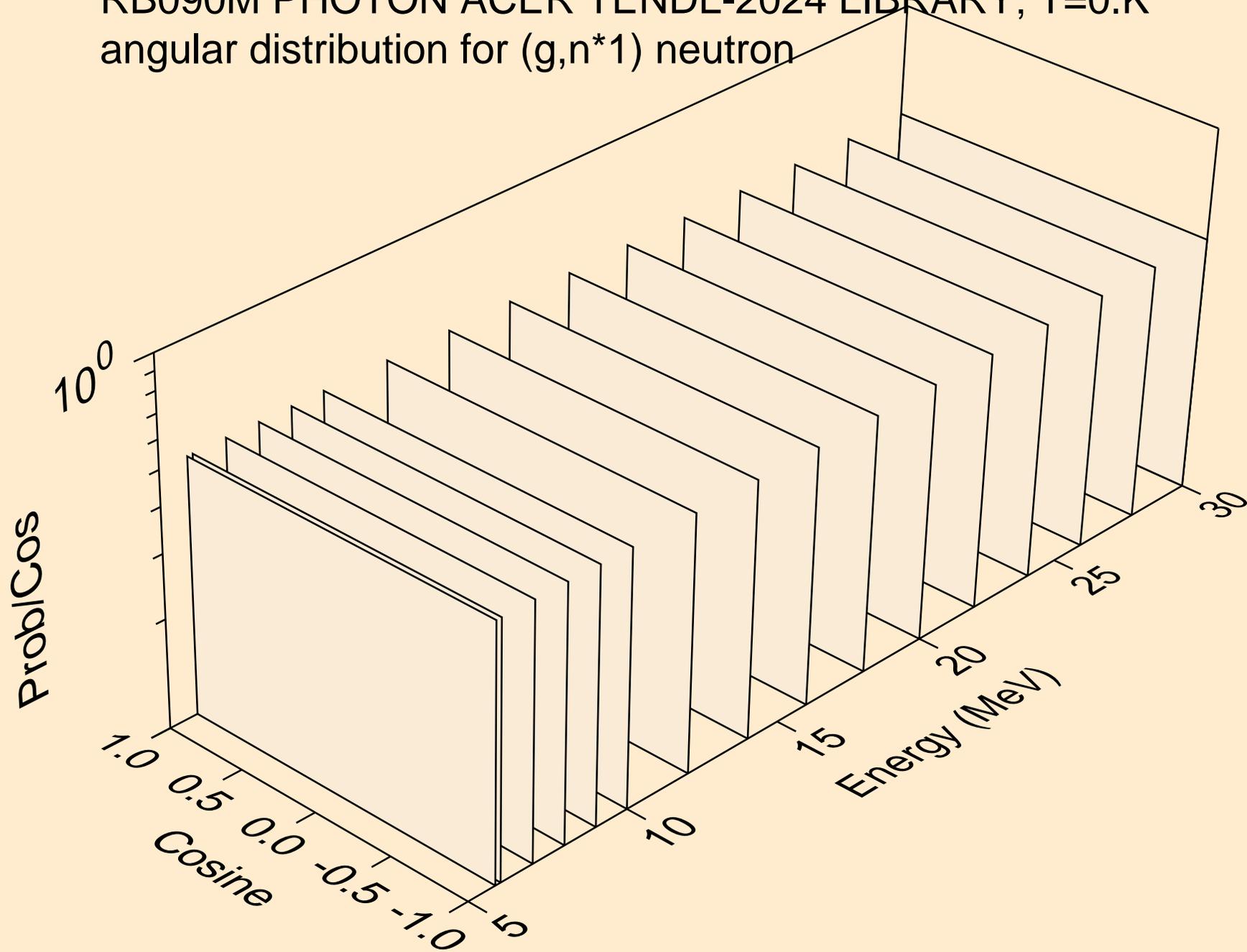RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,n*)t

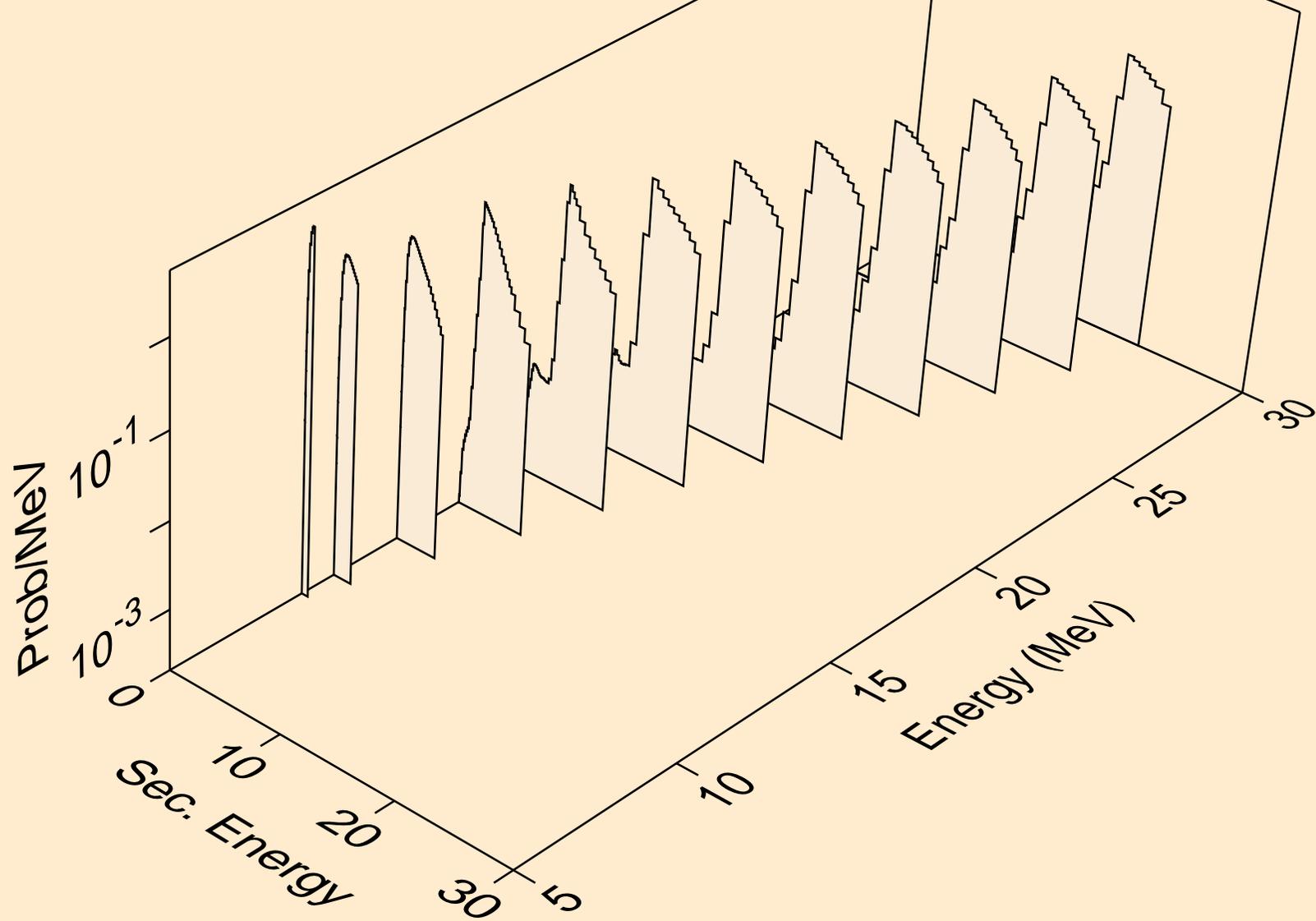RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (g,2np)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
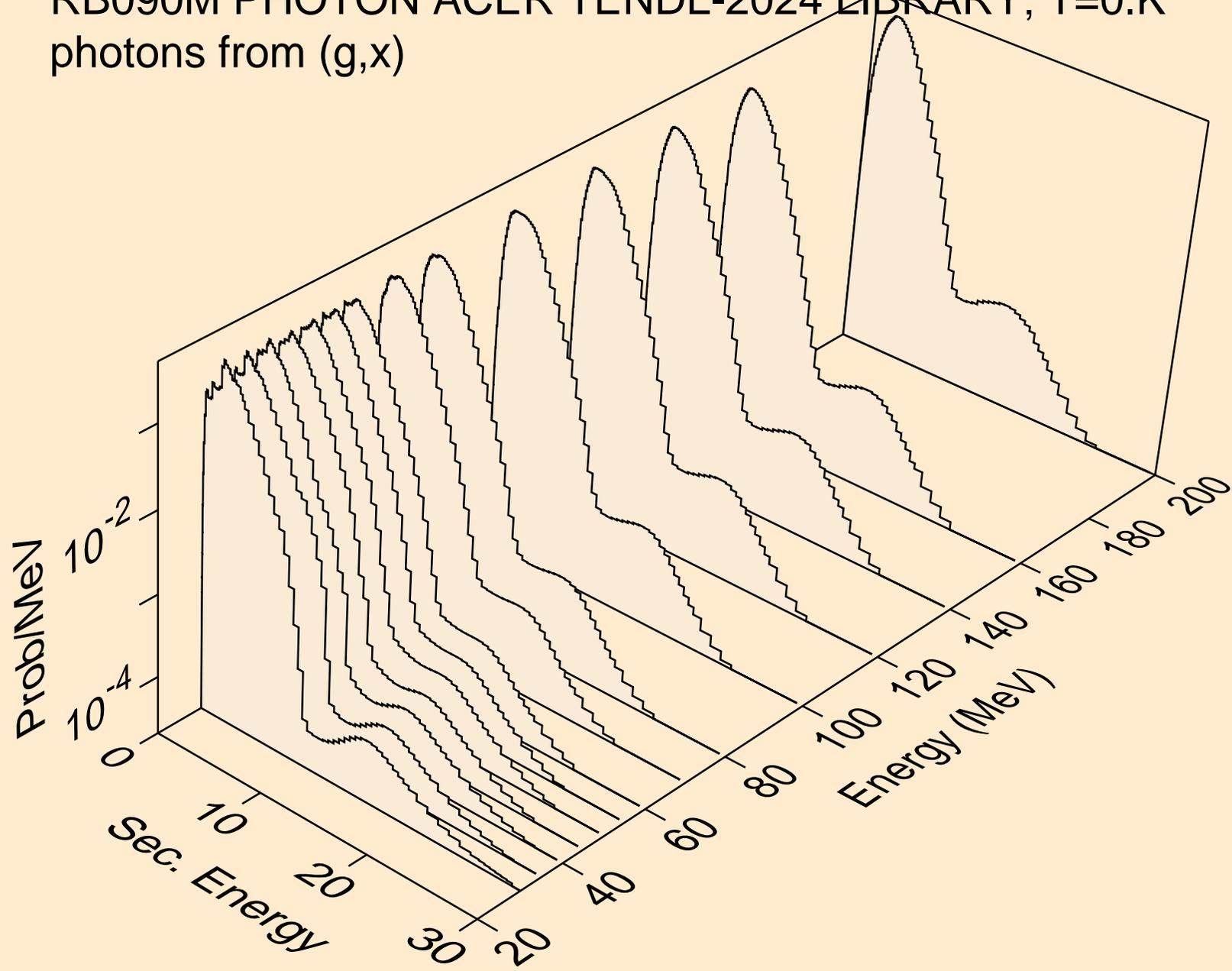angular distribution for (g,n*0) neutron

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
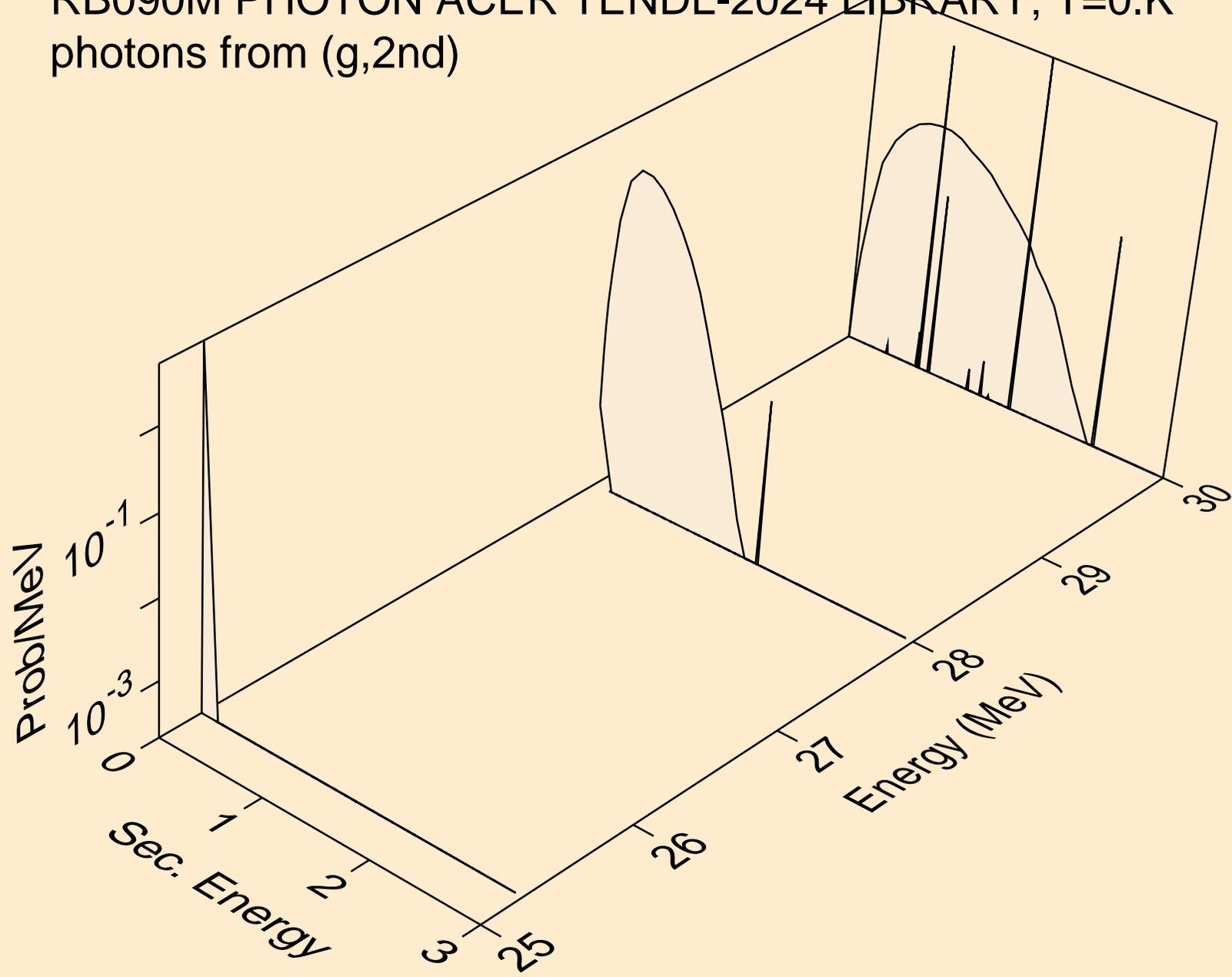angular distribution for (g,n*1) neutron

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
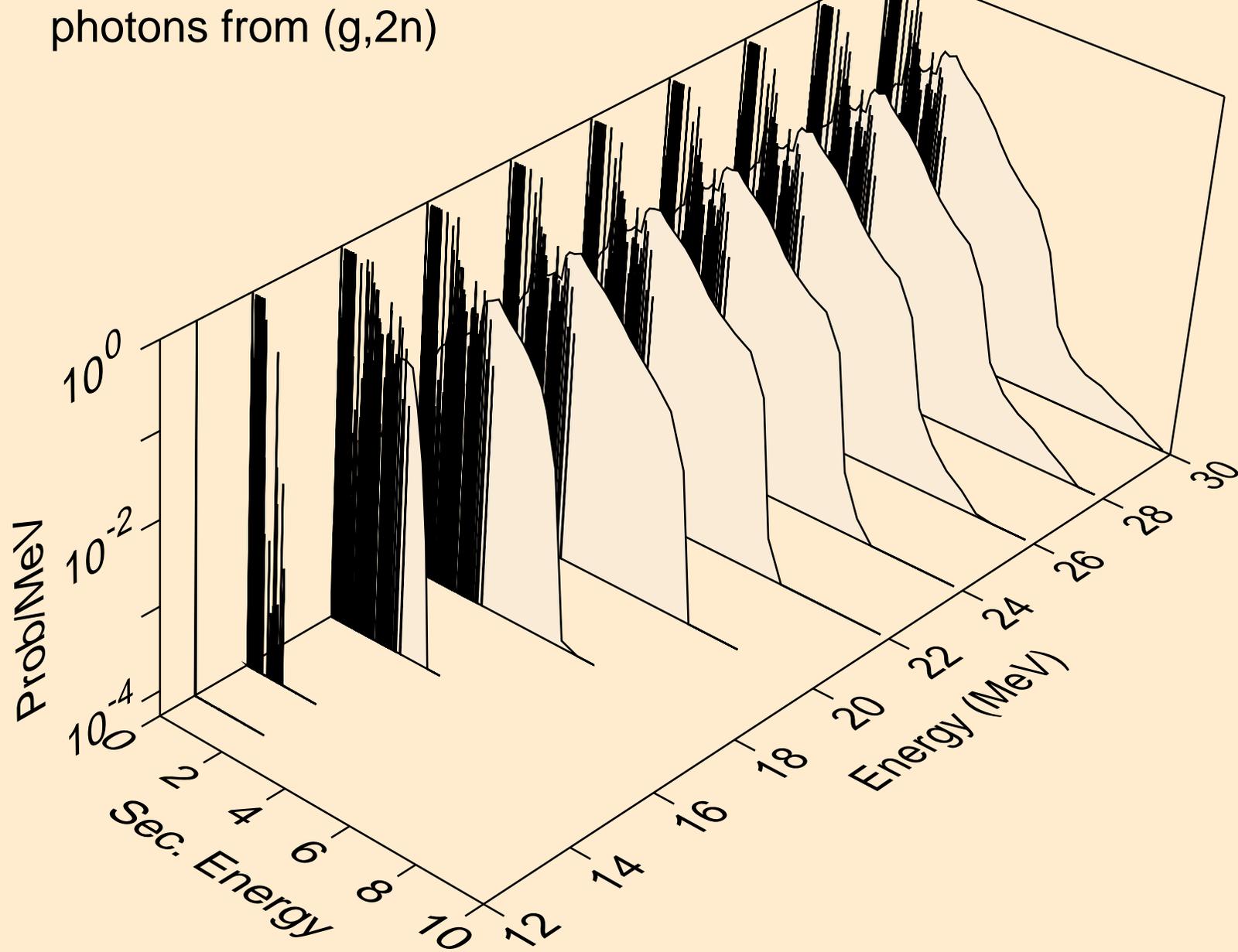neutrons from (g,n*c)

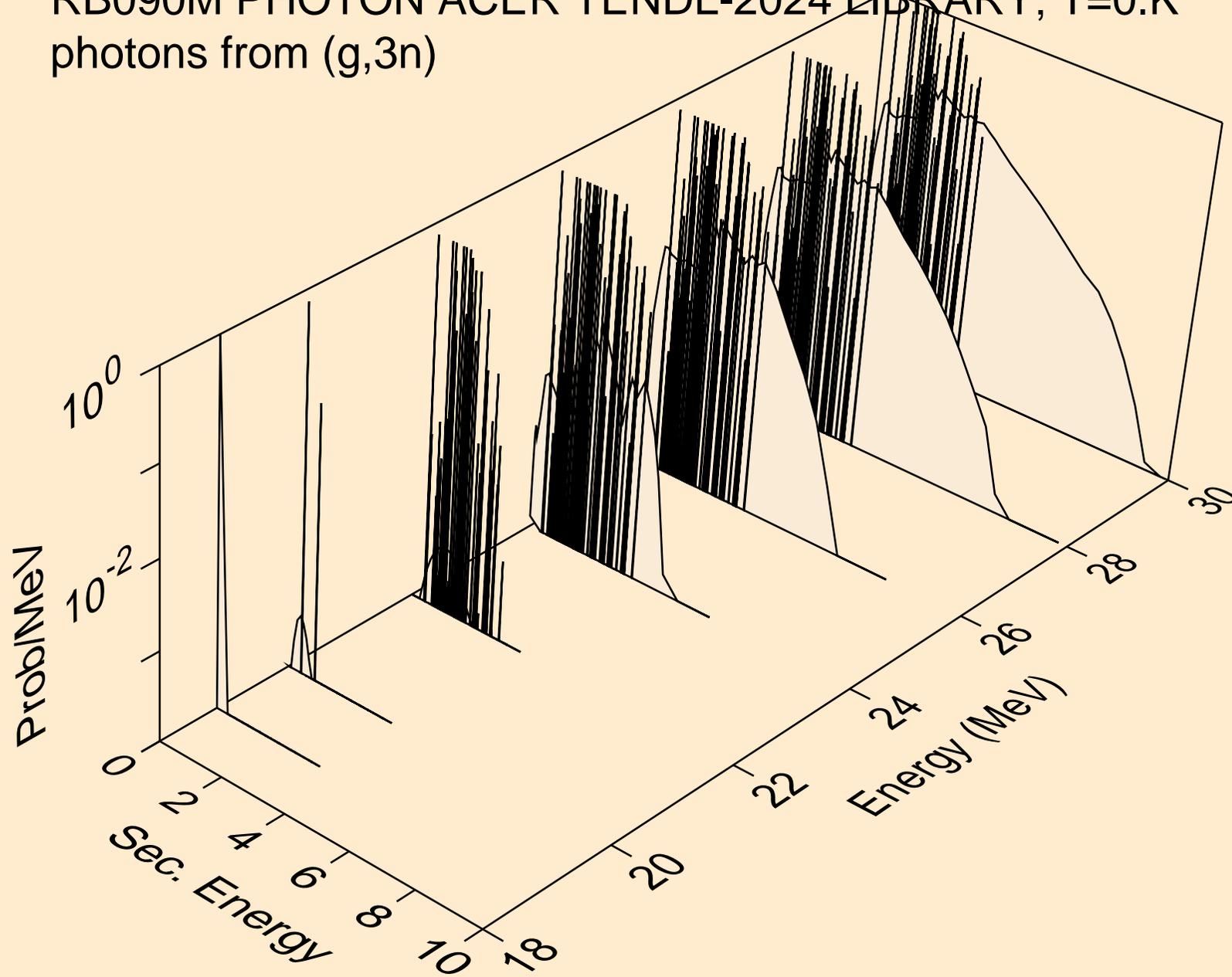RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,x)

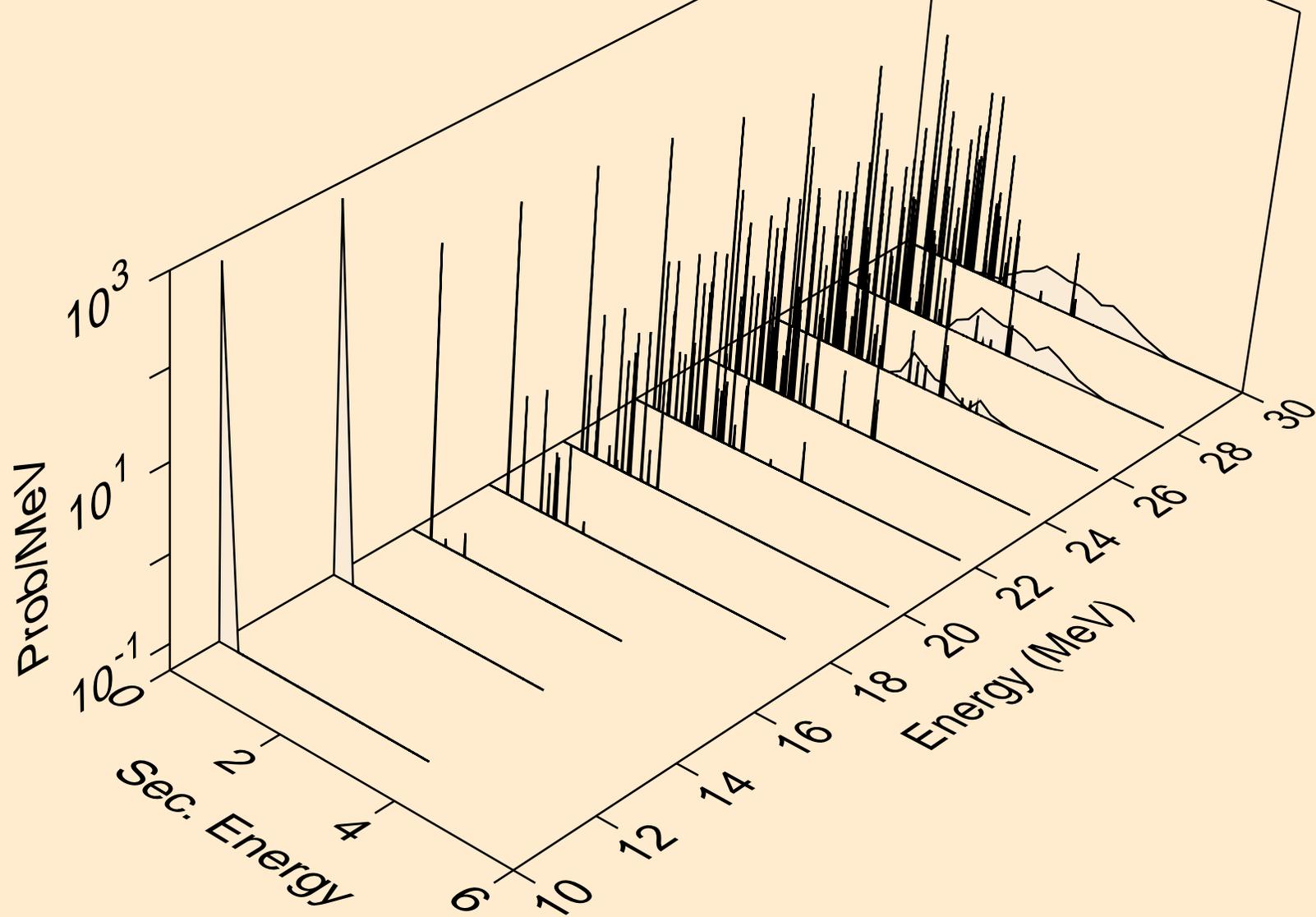RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2nd)

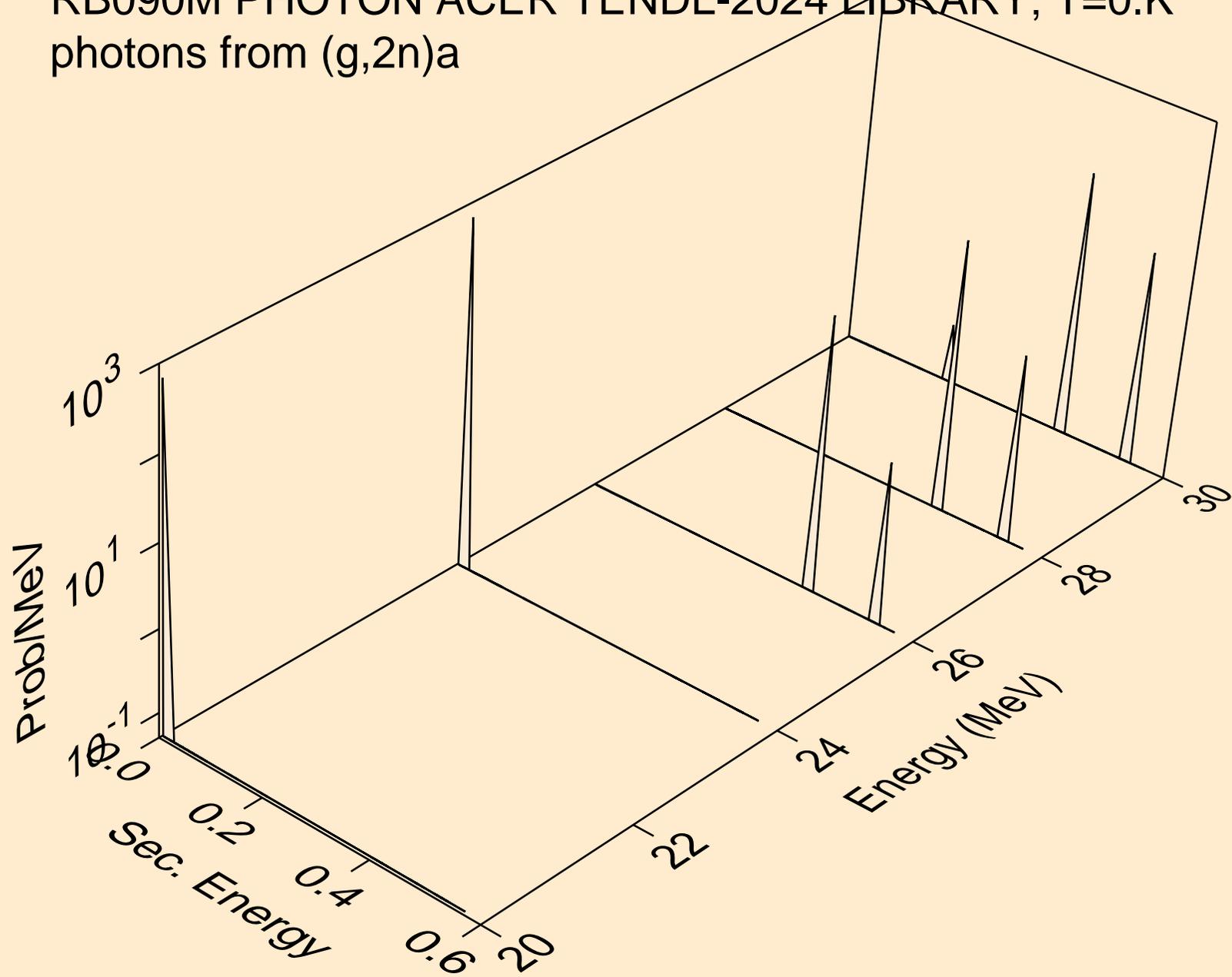RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2n)

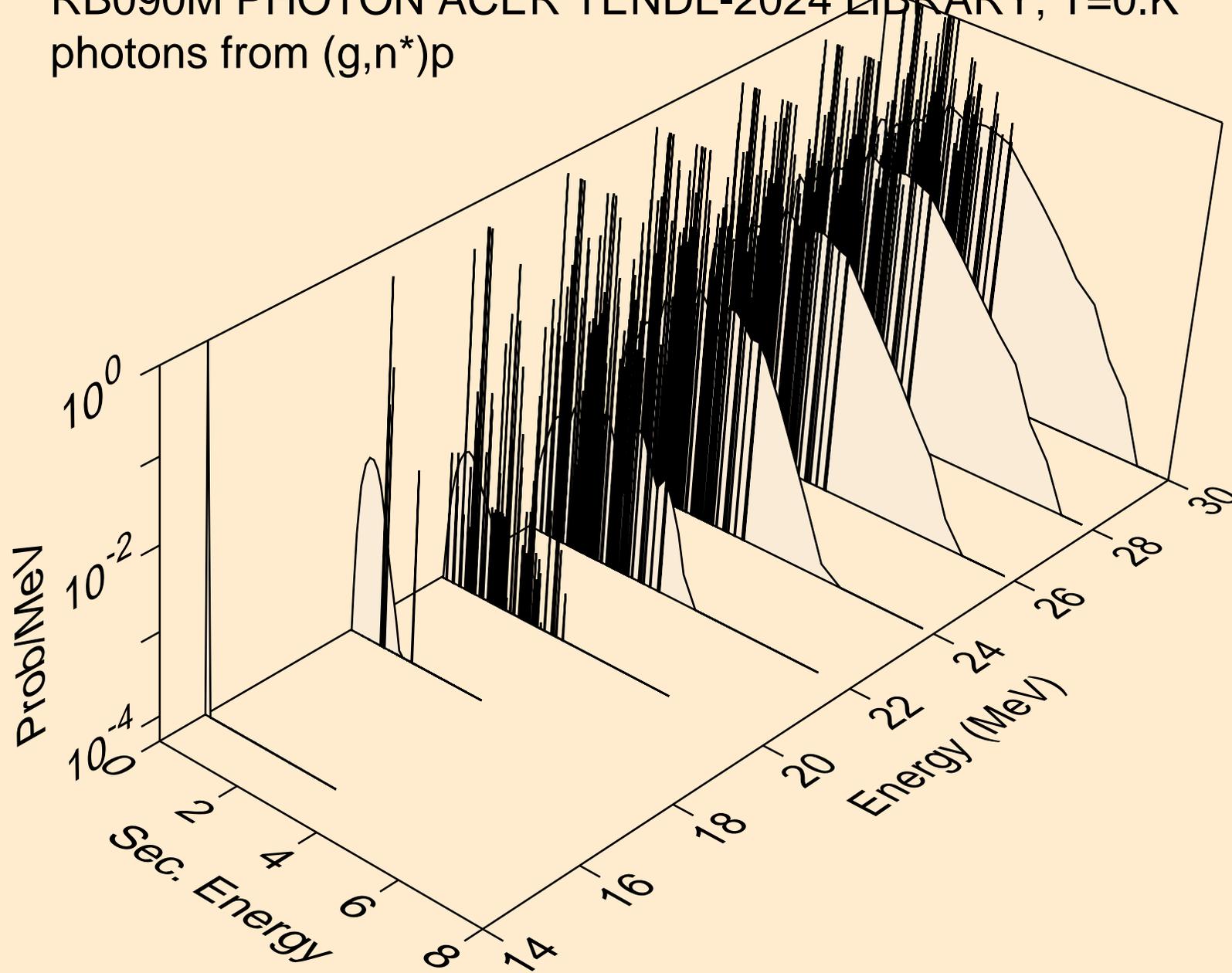RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,3n)

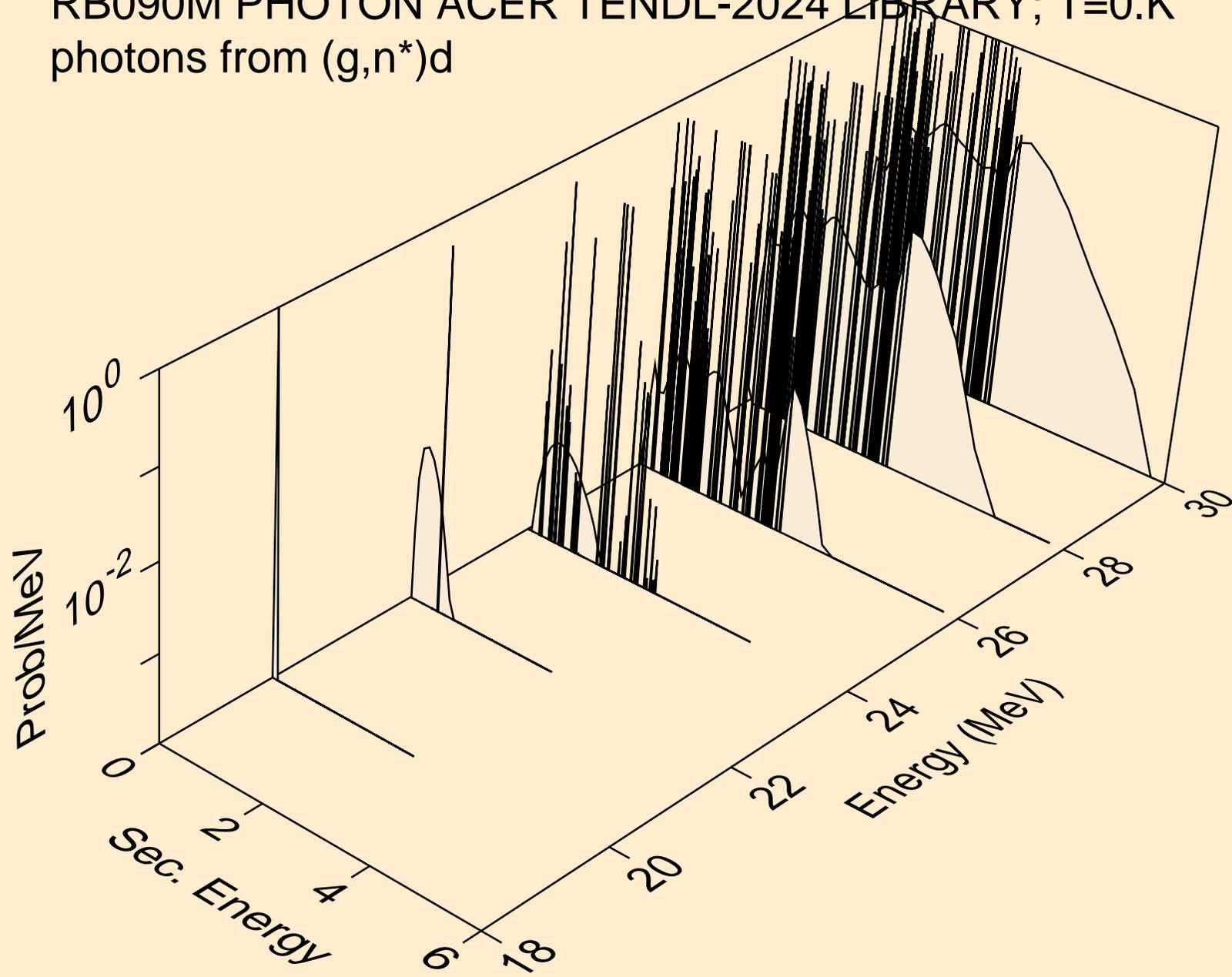RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)a

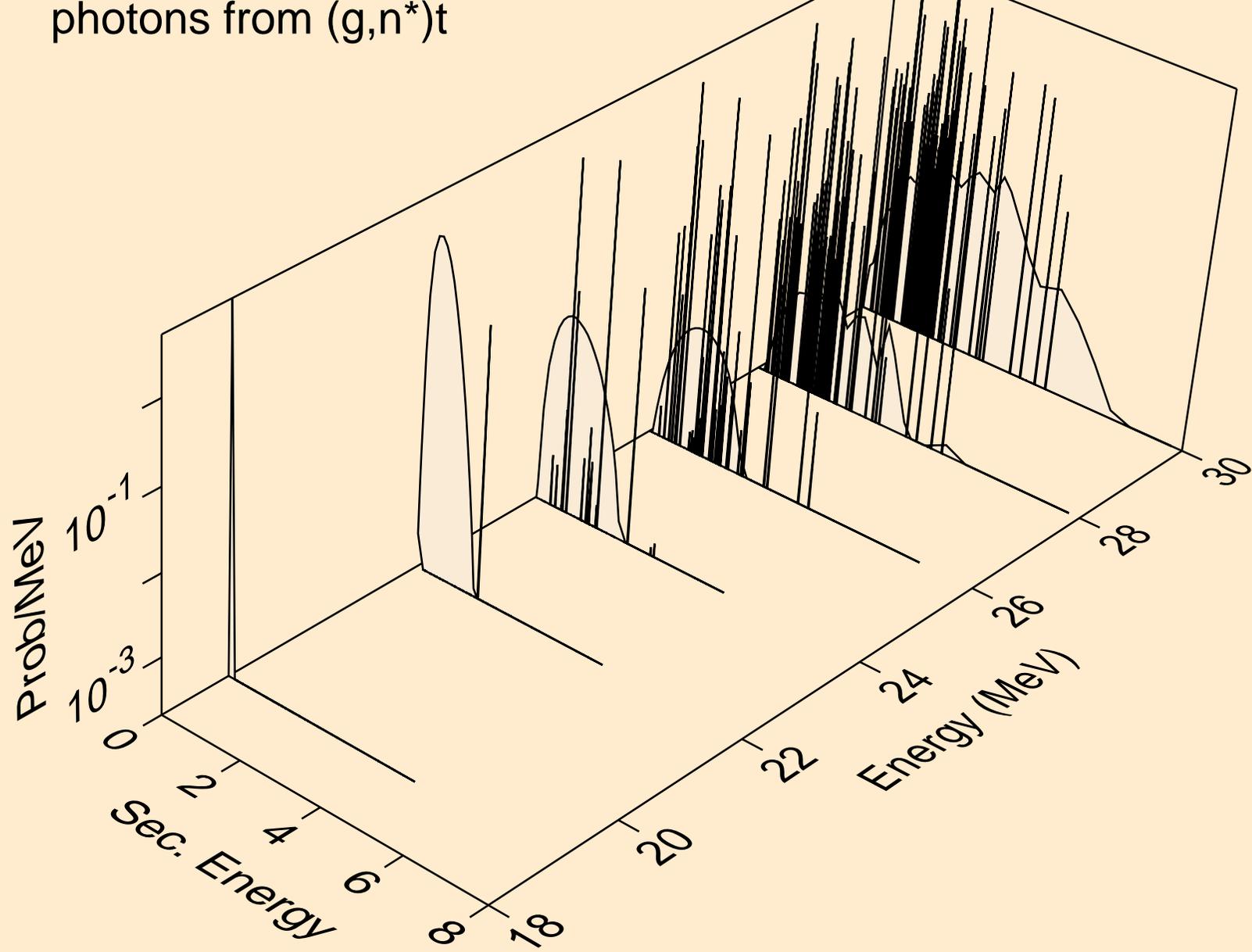RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2n)a

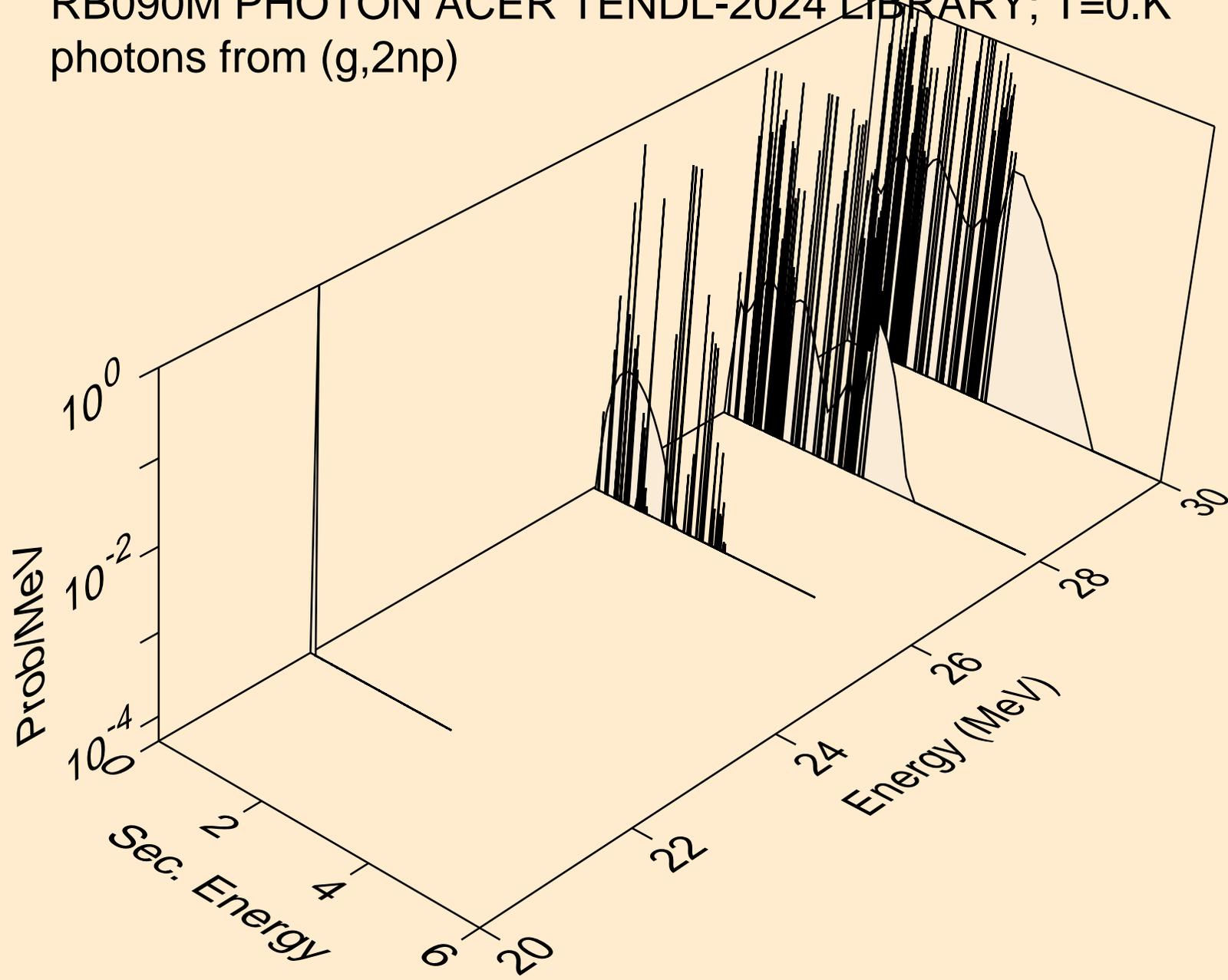RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)p

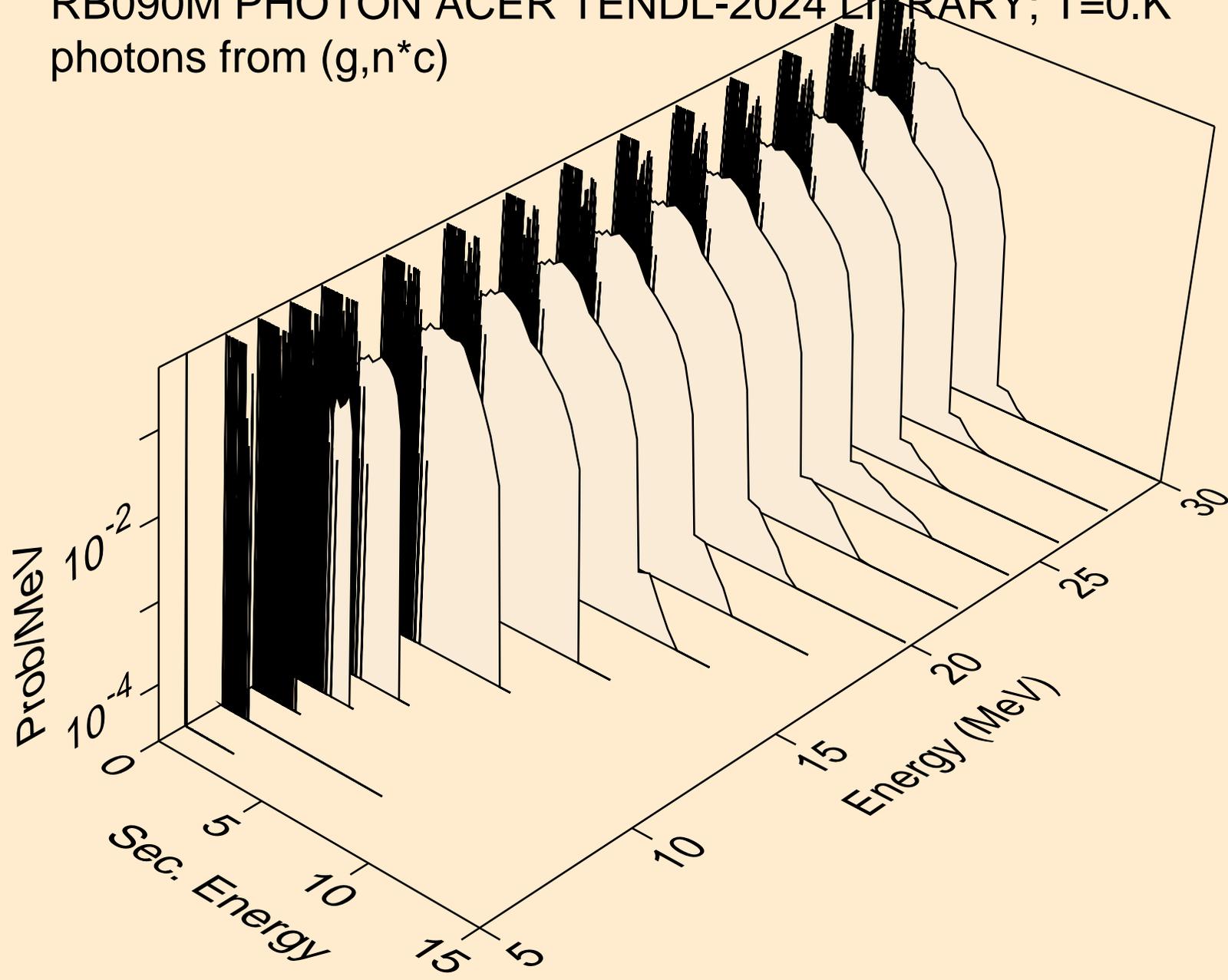RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)d

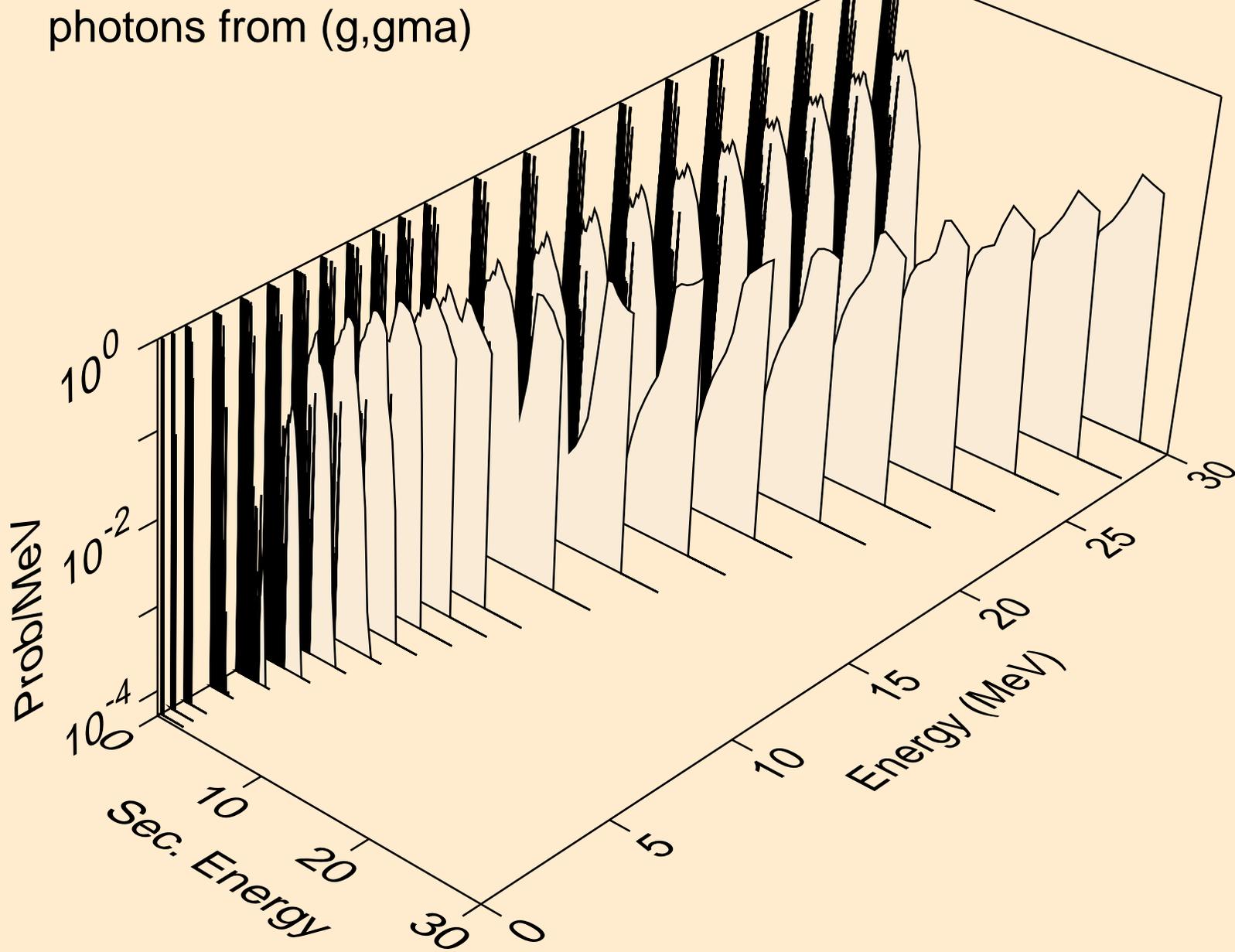RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*)t

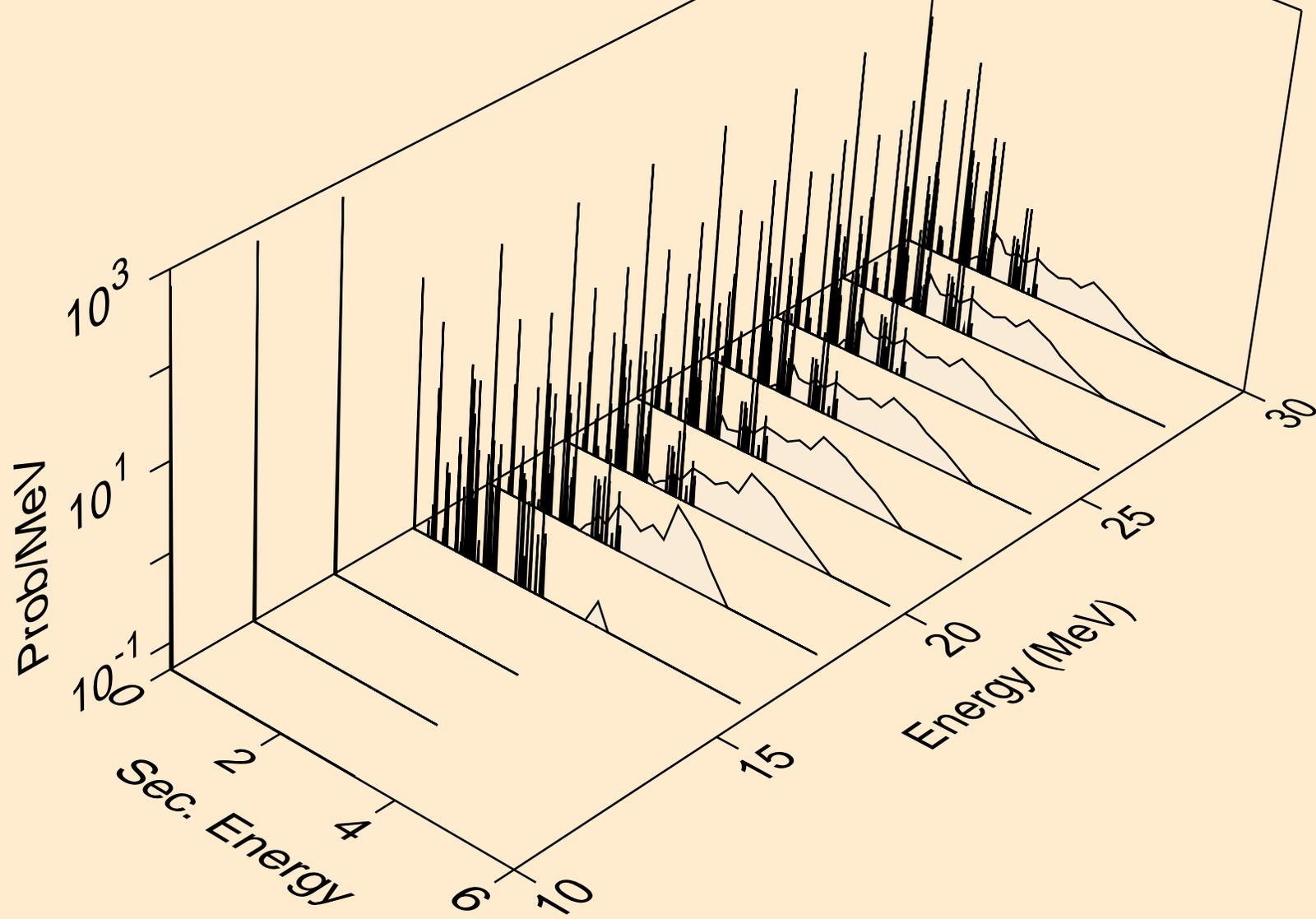RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,2np)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,n*c)

Prob/MeV

10^{-2}
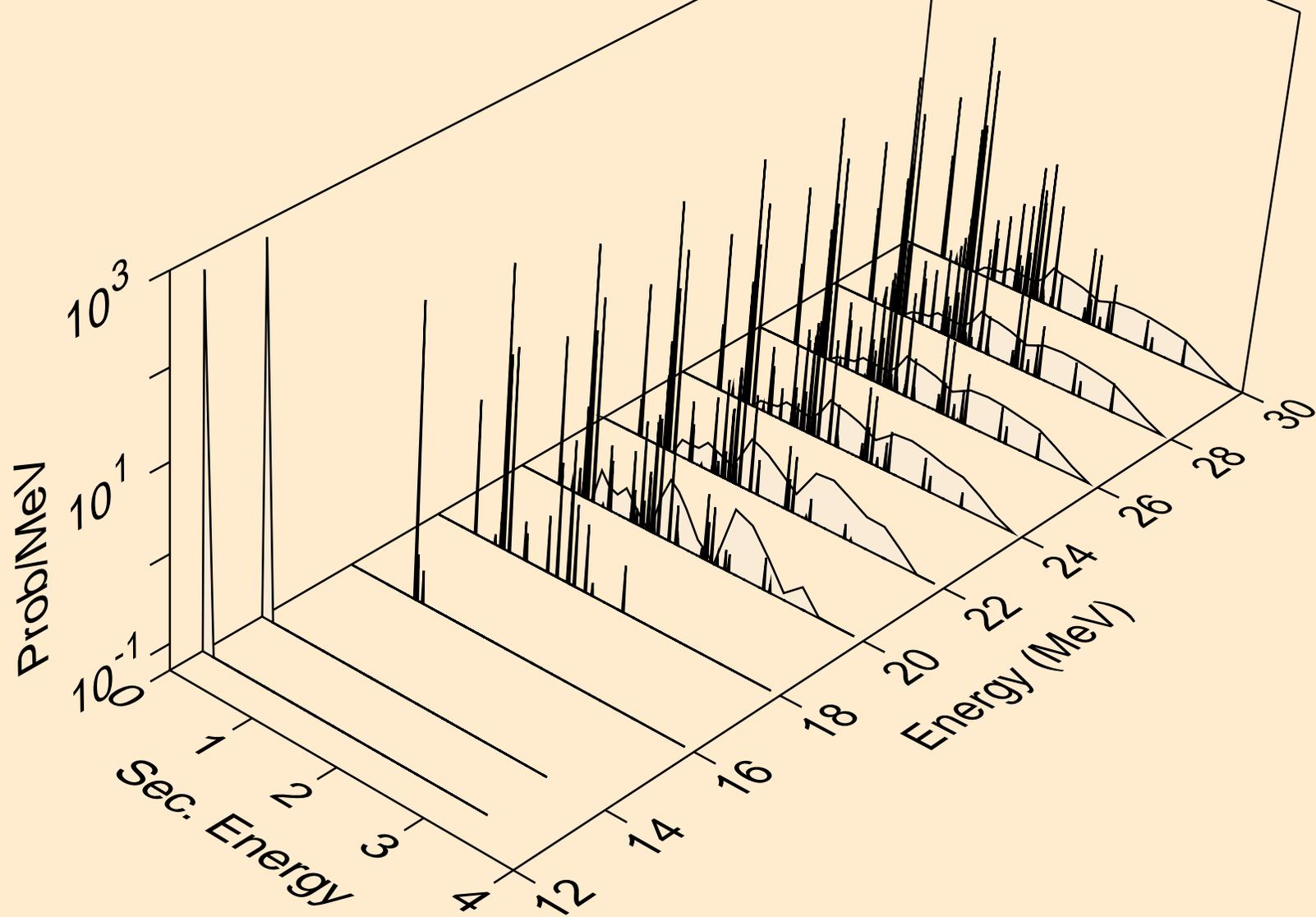
10^{-4}

Sec. Energy

Energy (MeV)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
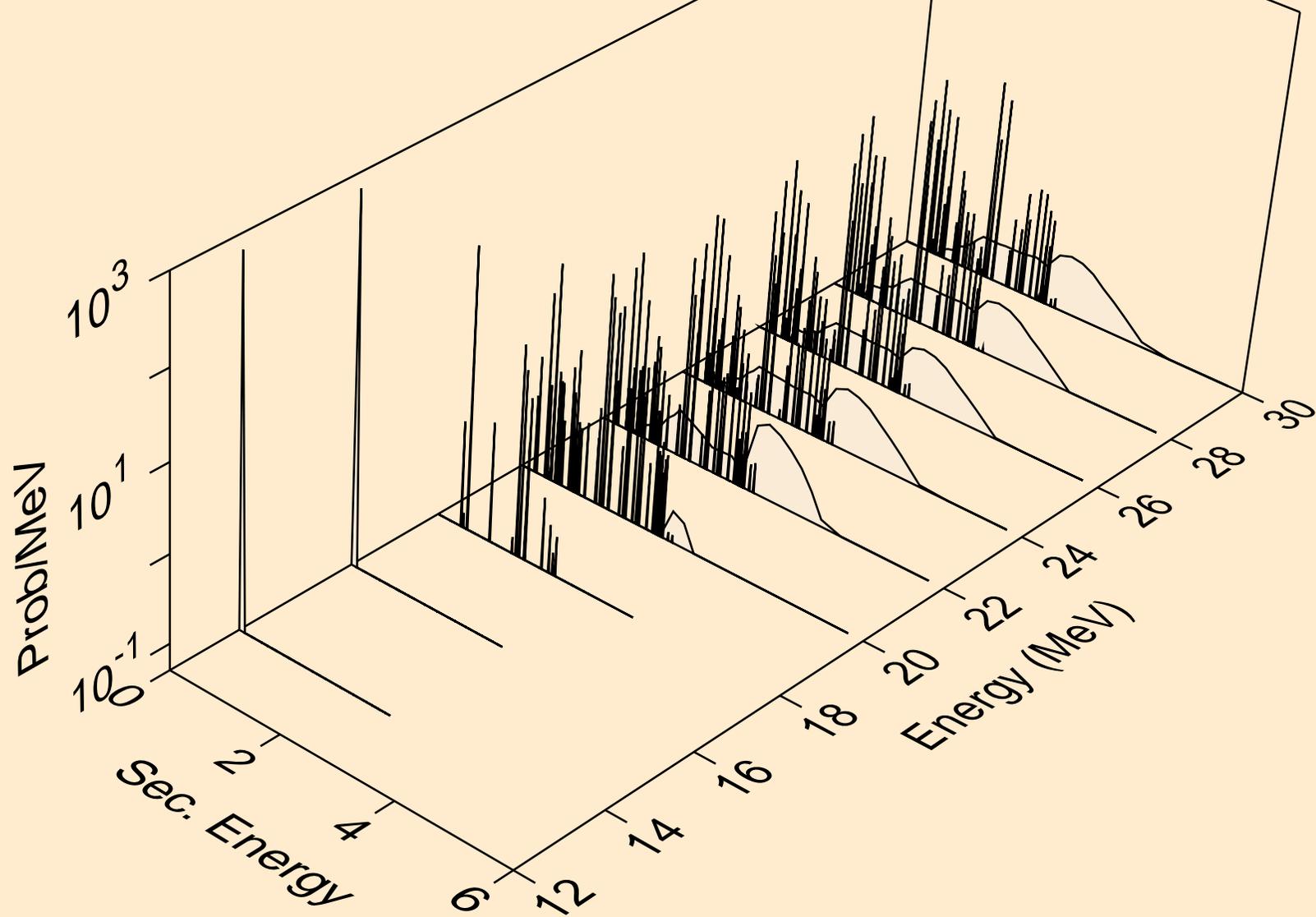photons from (g,gma)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
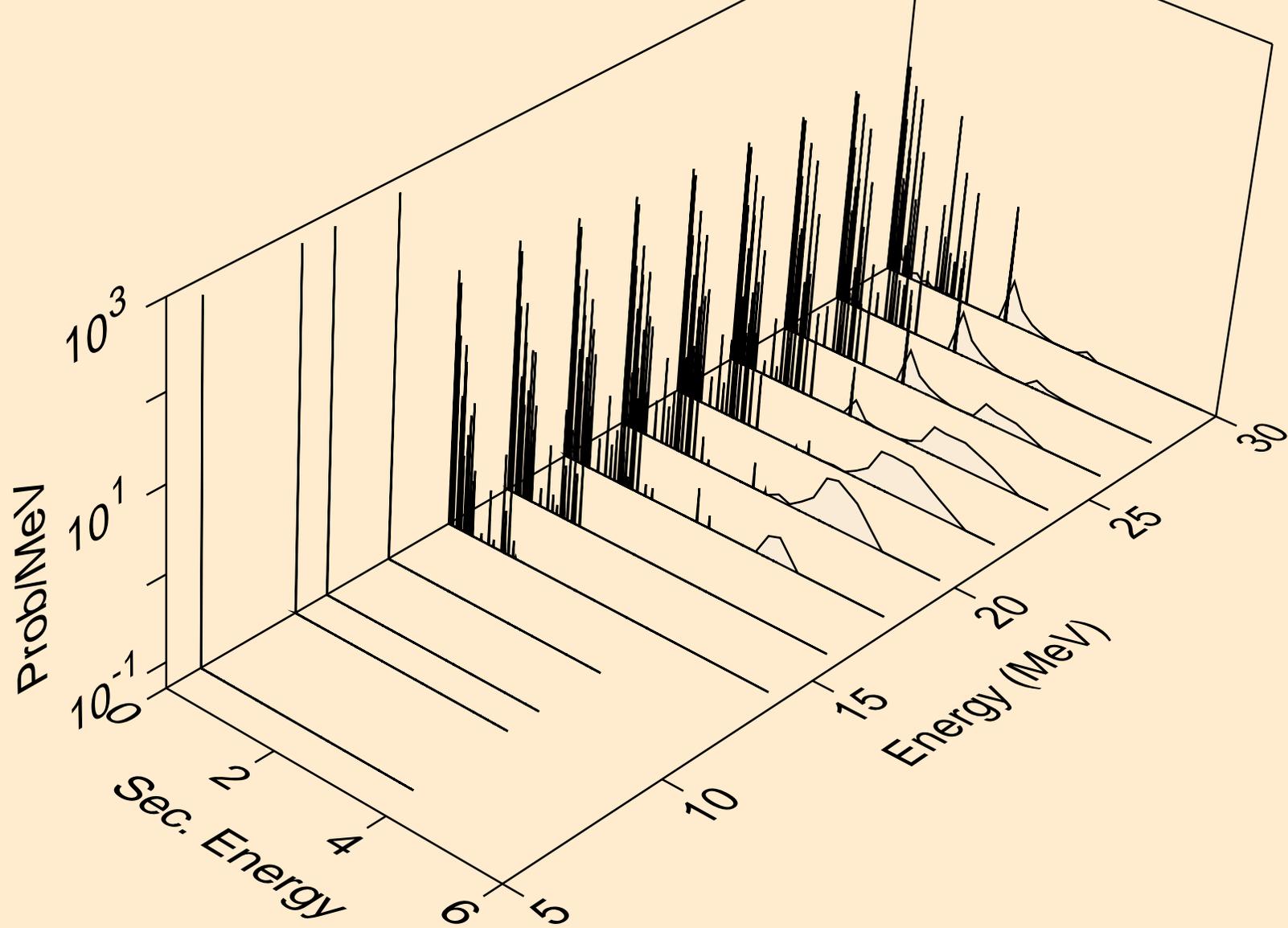photons from (g,p)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
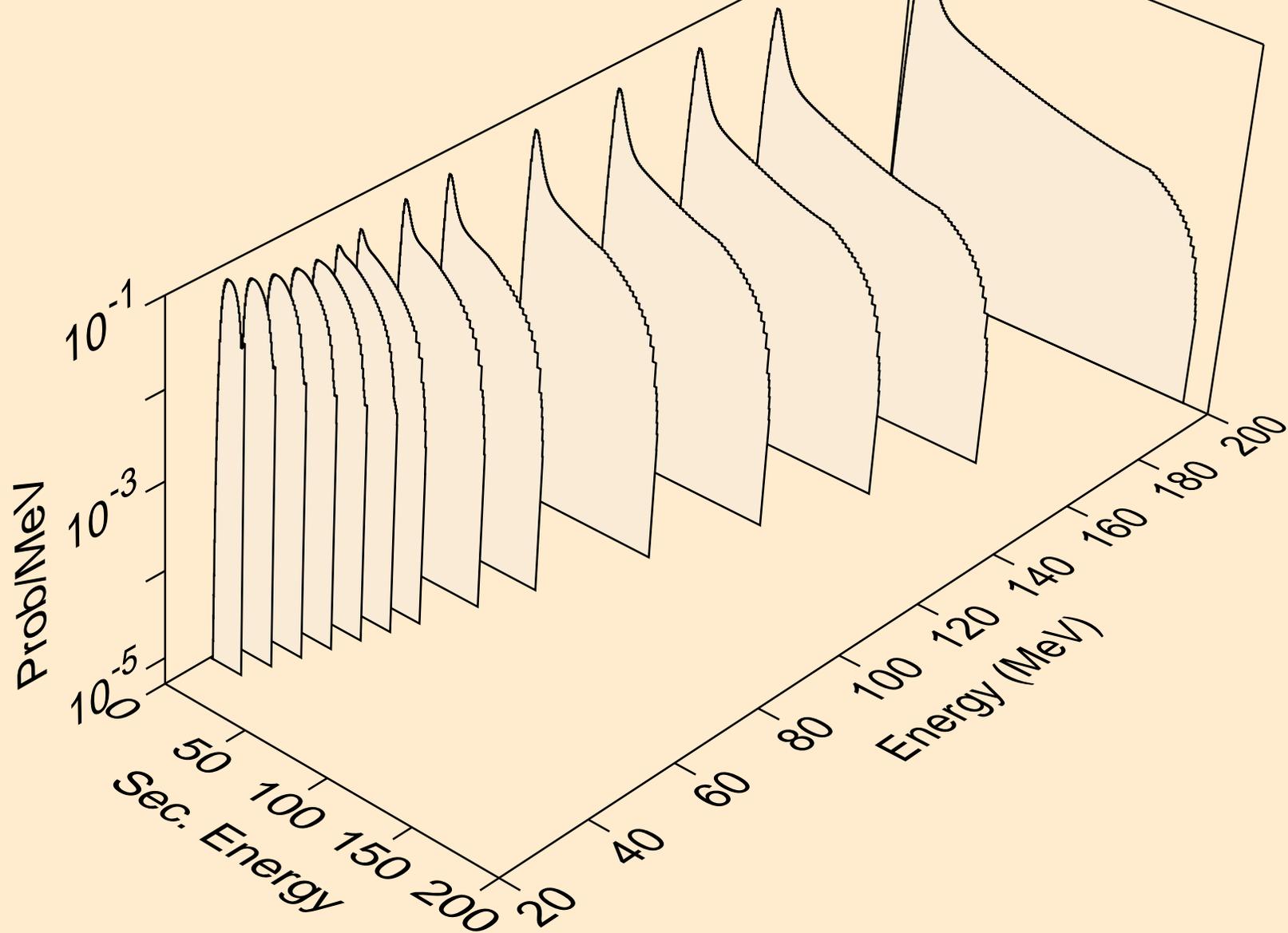photons from (g,d)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,t)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
photons from (g,a)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,x)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
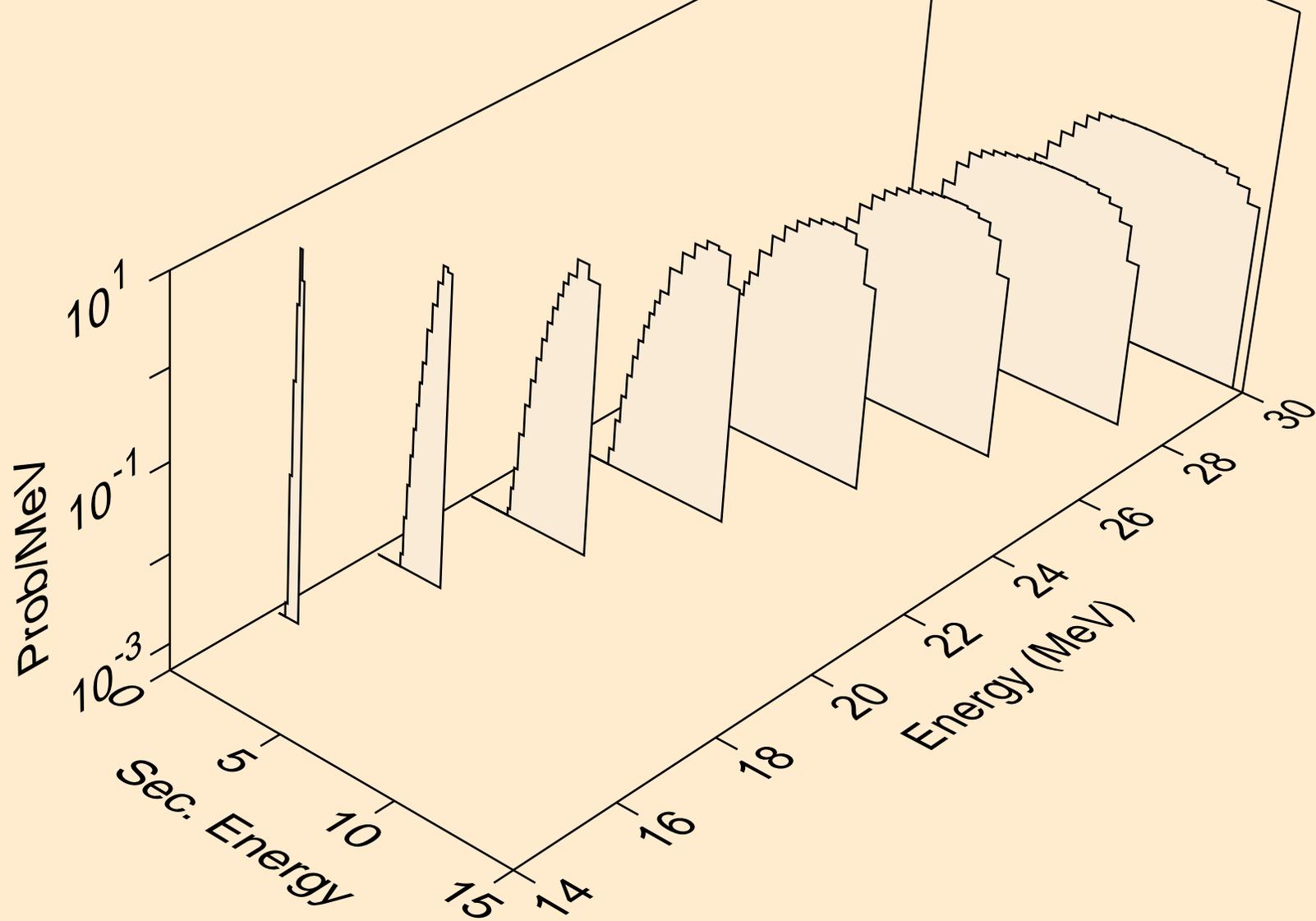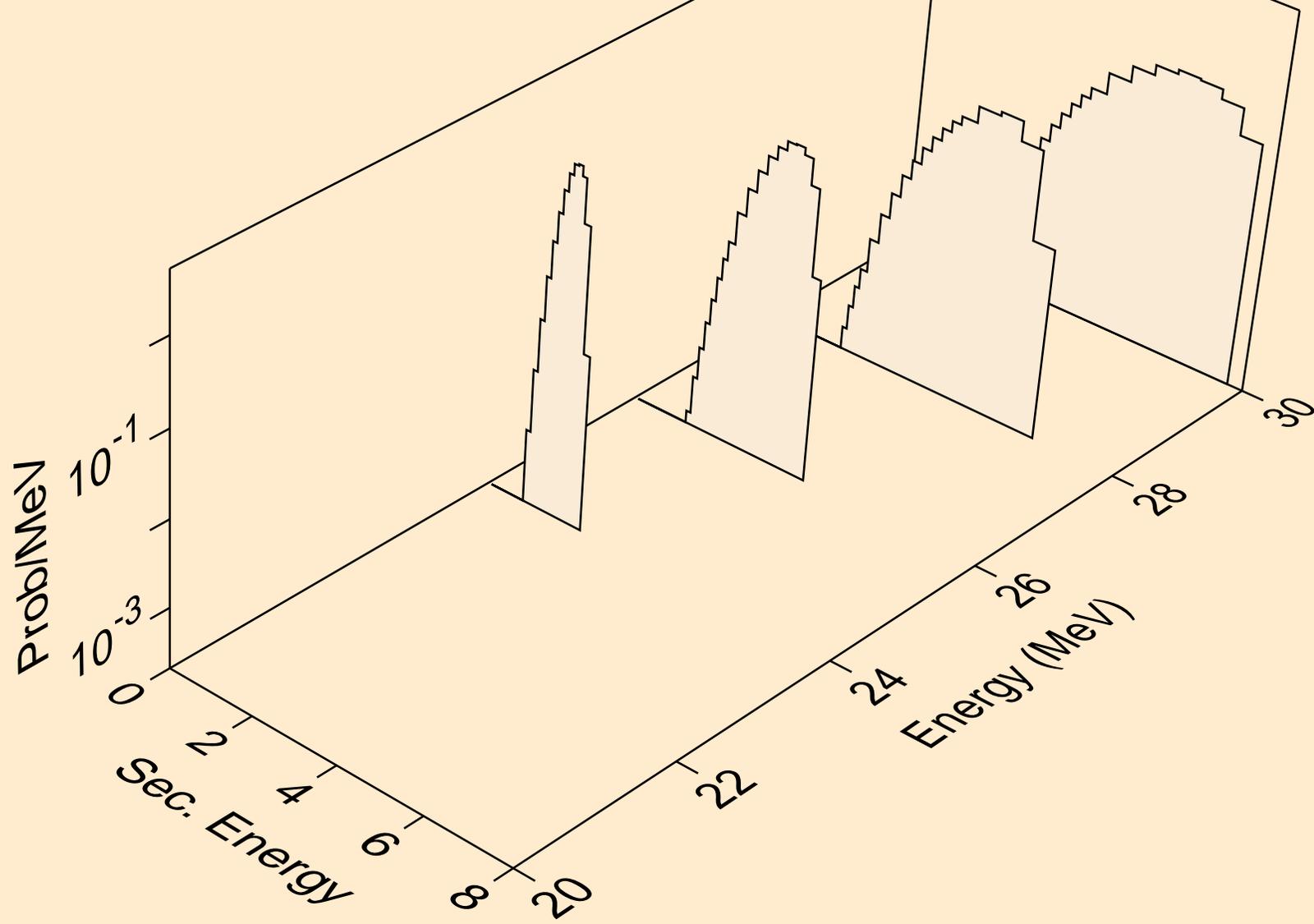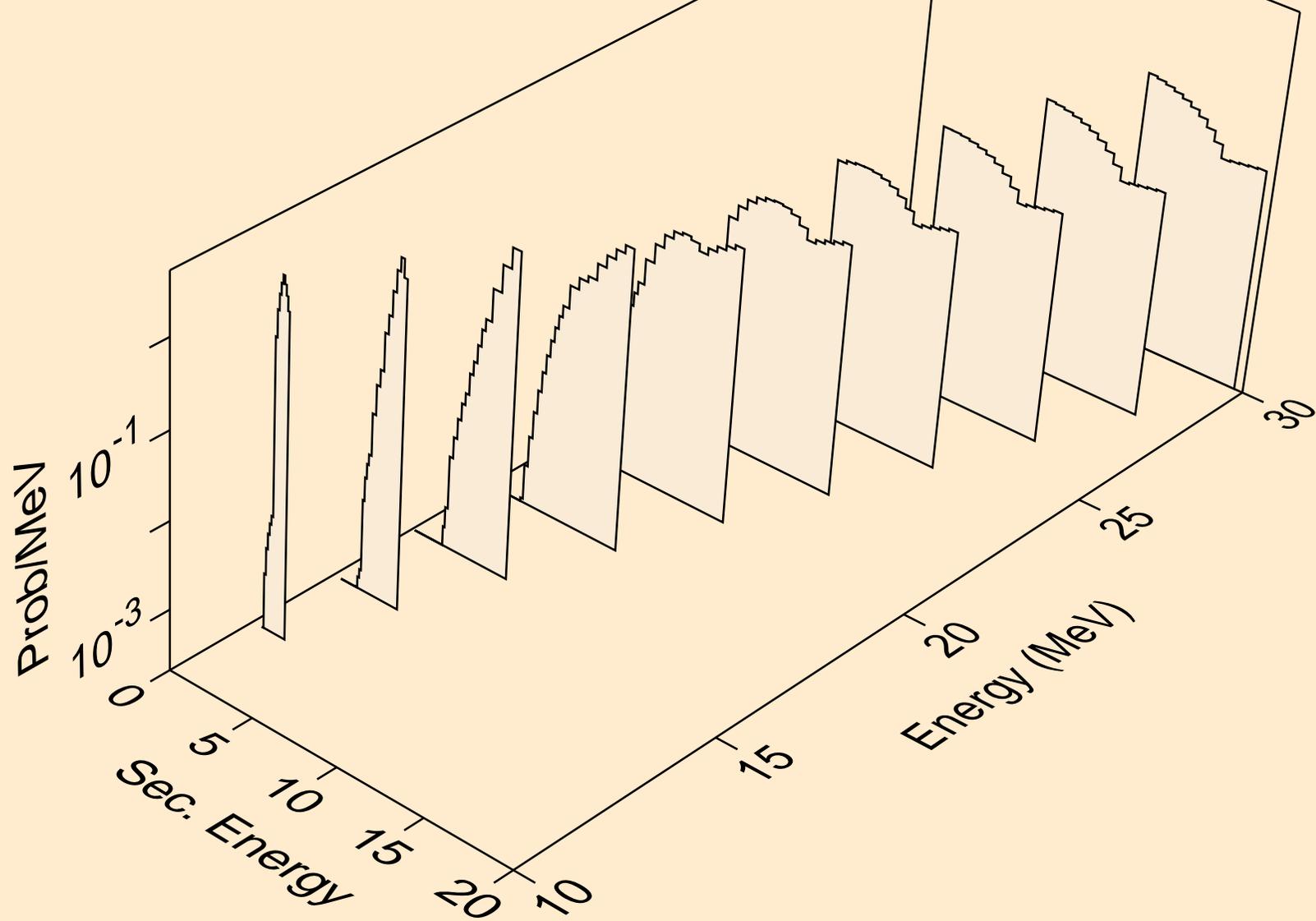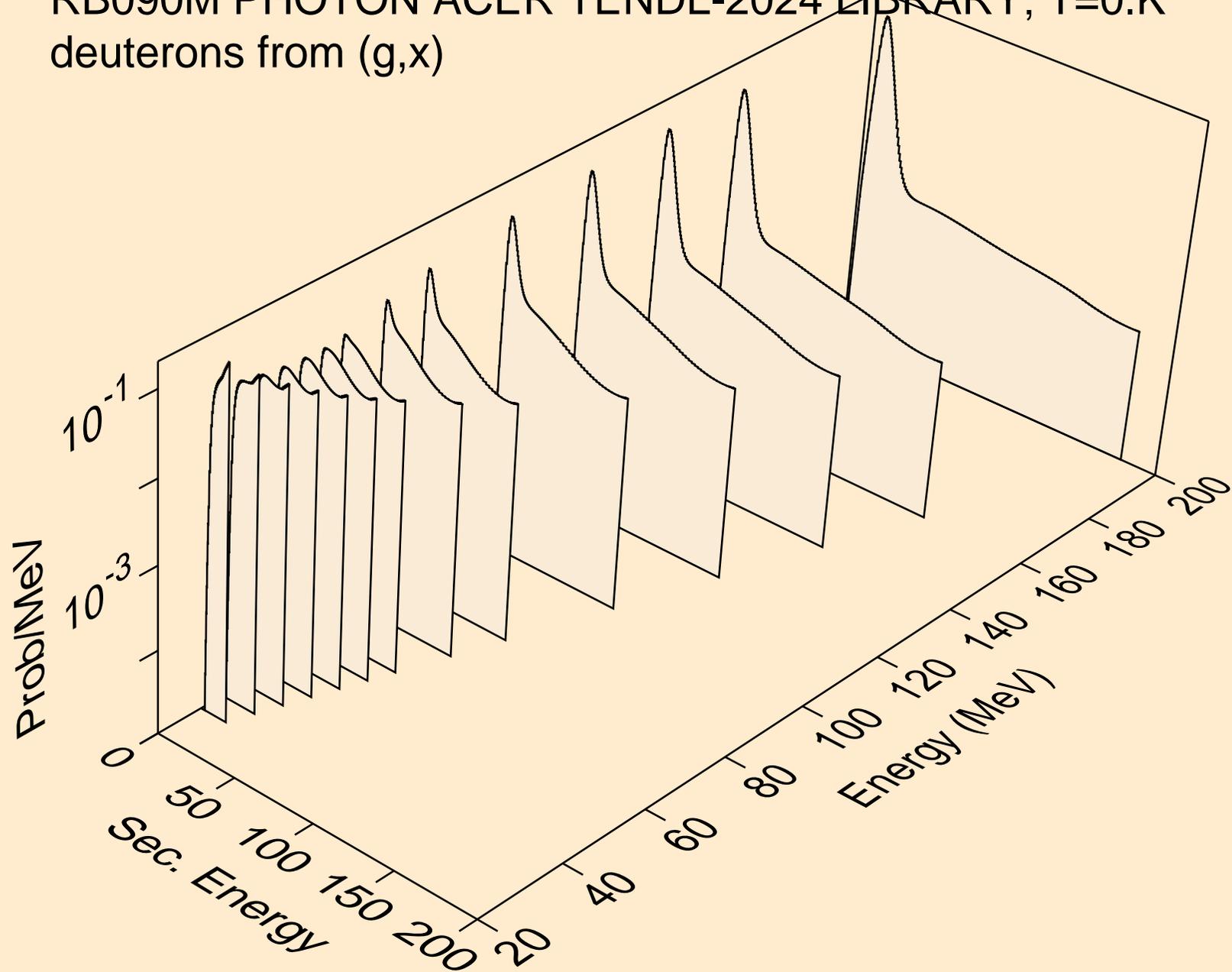protons from (g,n*)p

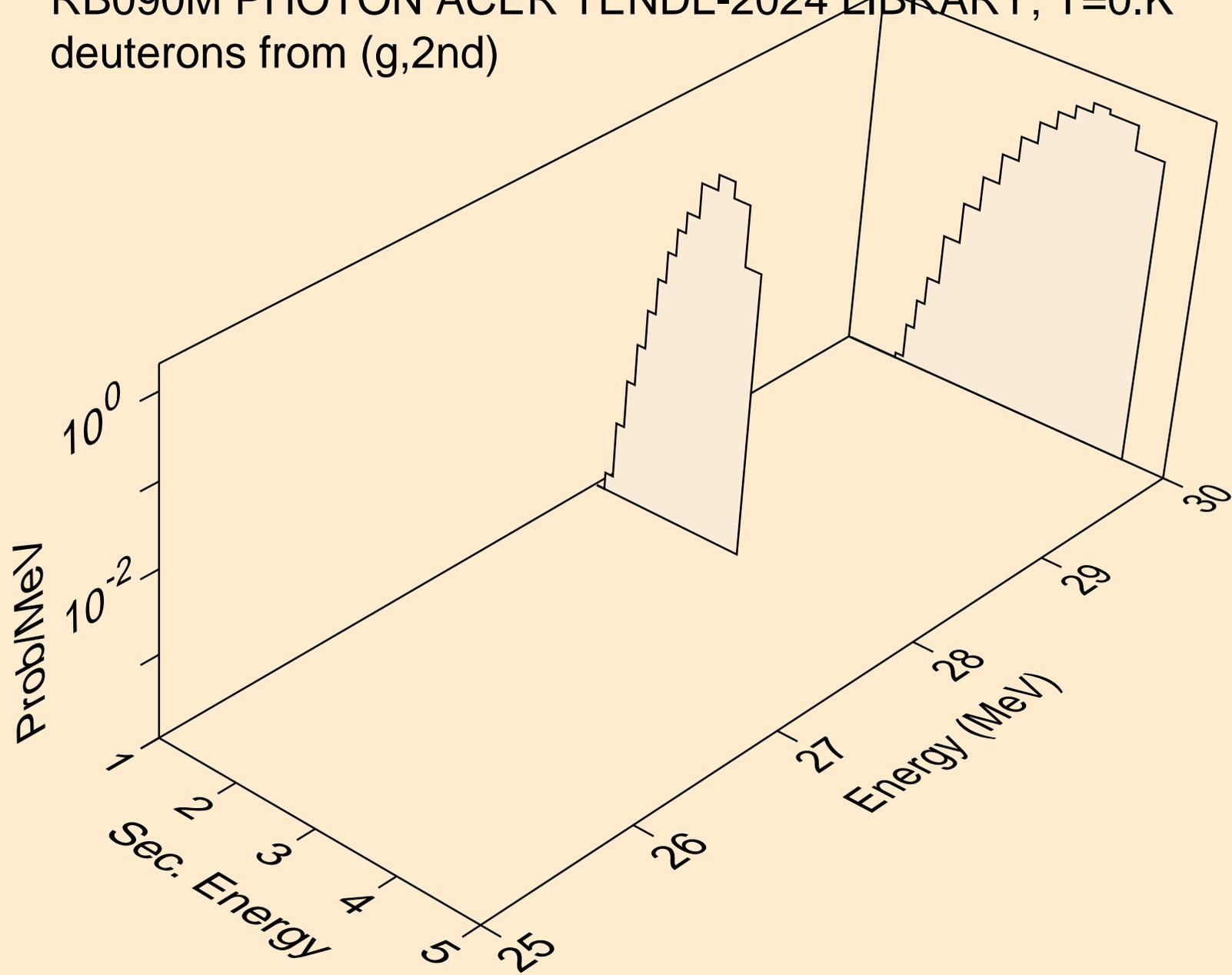RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,2np)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
protons from (g,p)
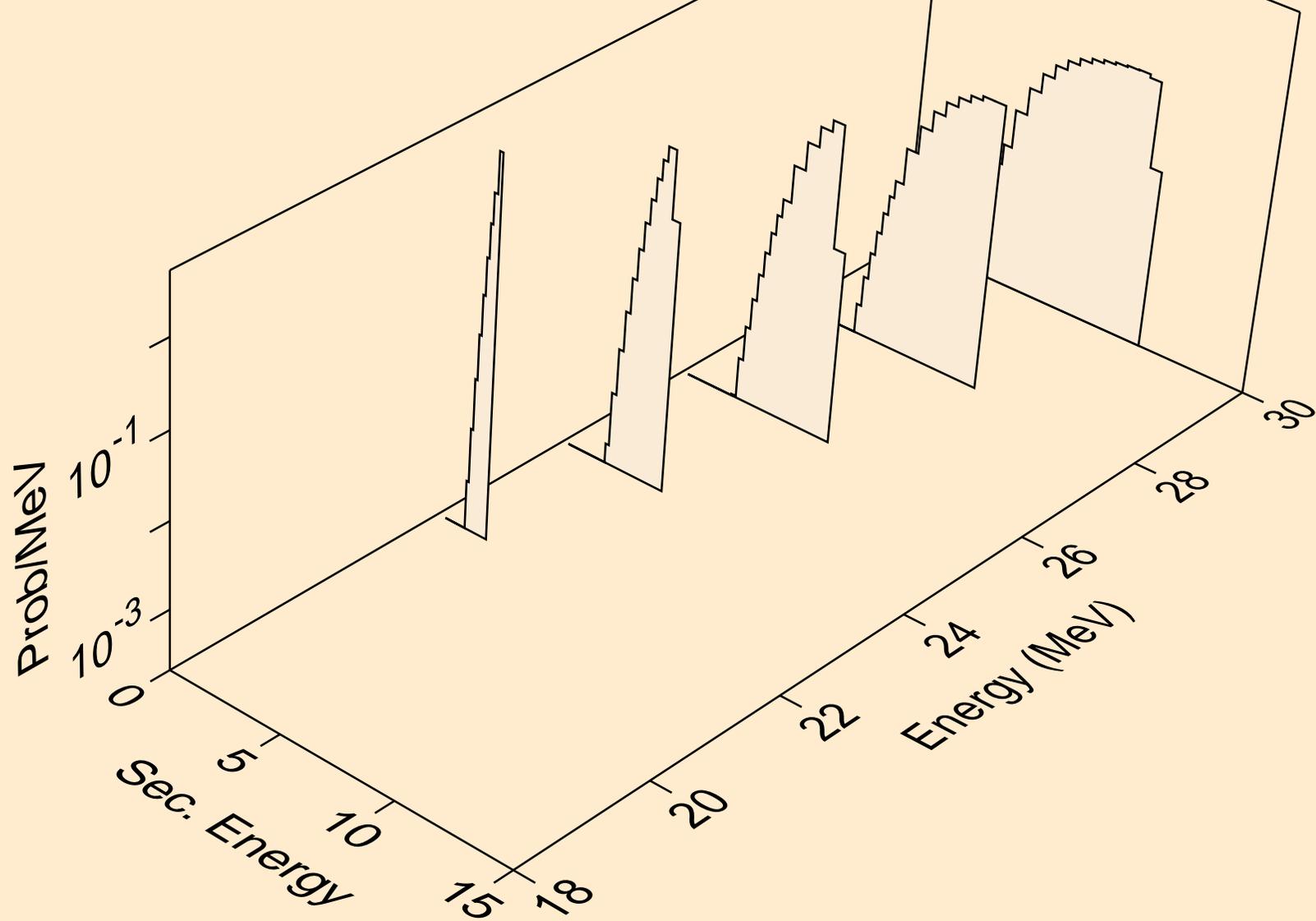
RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
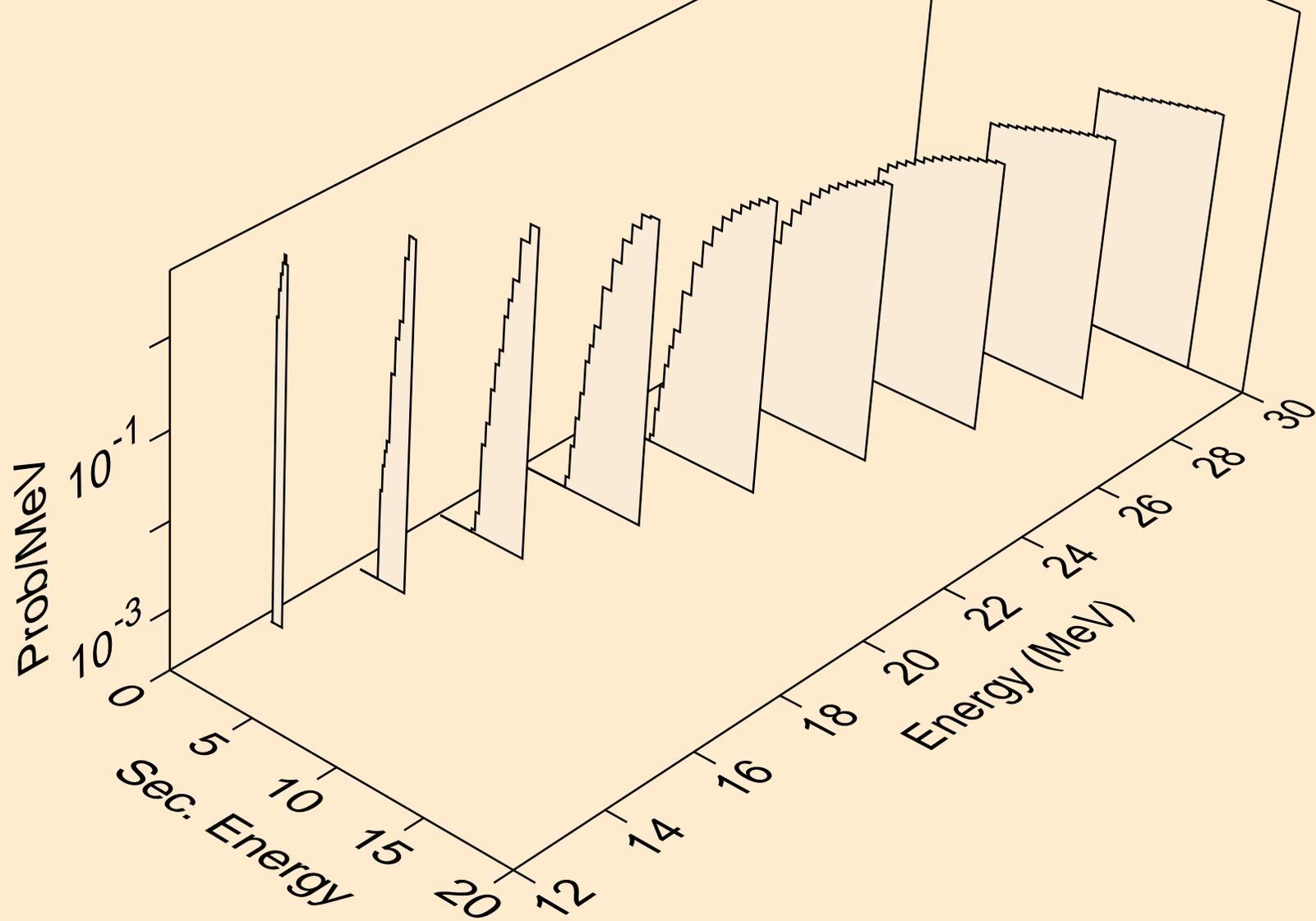deuterons from (g,x)

ProbIMeV

10^{-1}

10^{-3}

0

Sec. Energy

50   100   150   200

Energy (MeV)

20   40   60   80   100   120   140   160   180   200

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,2nd)

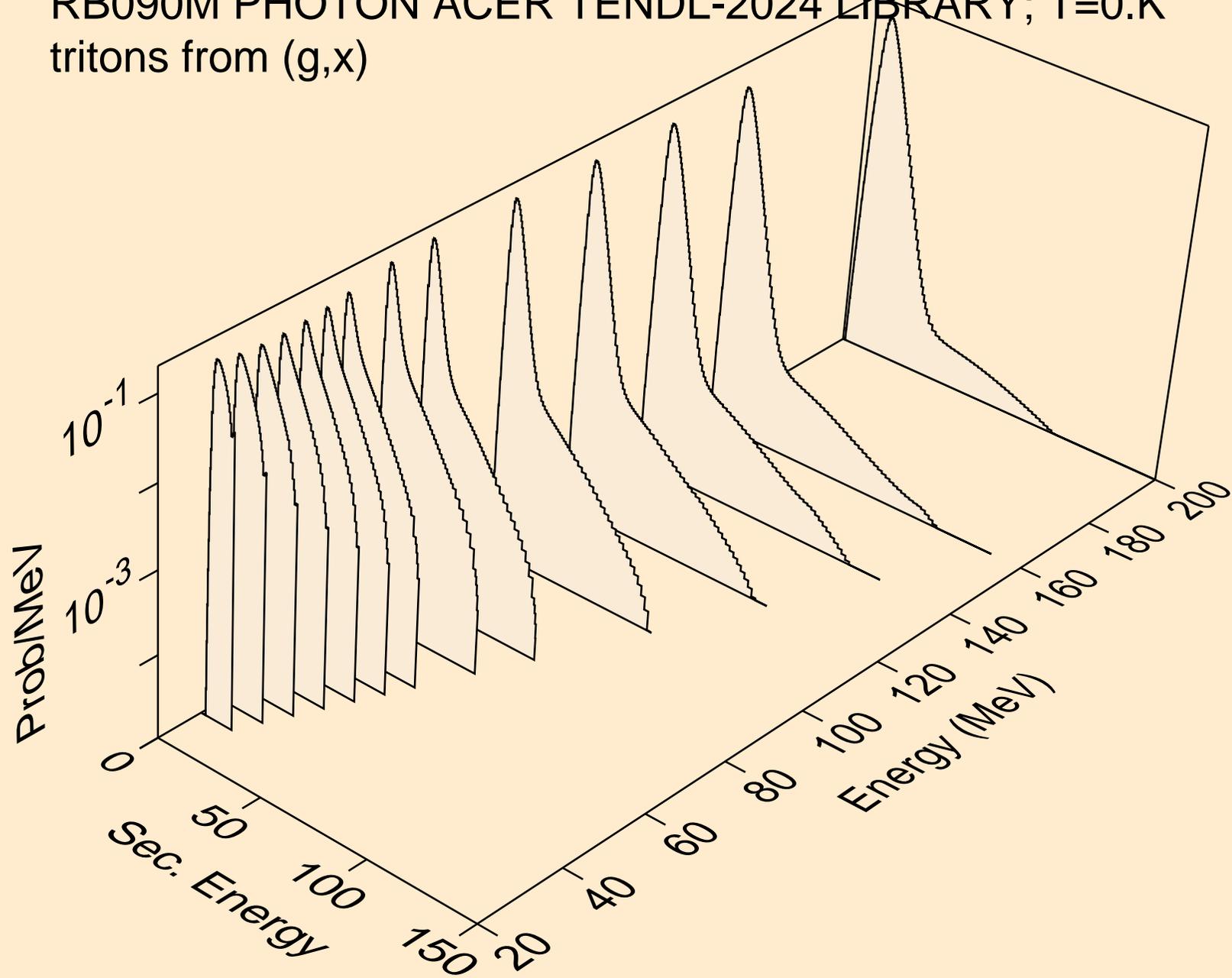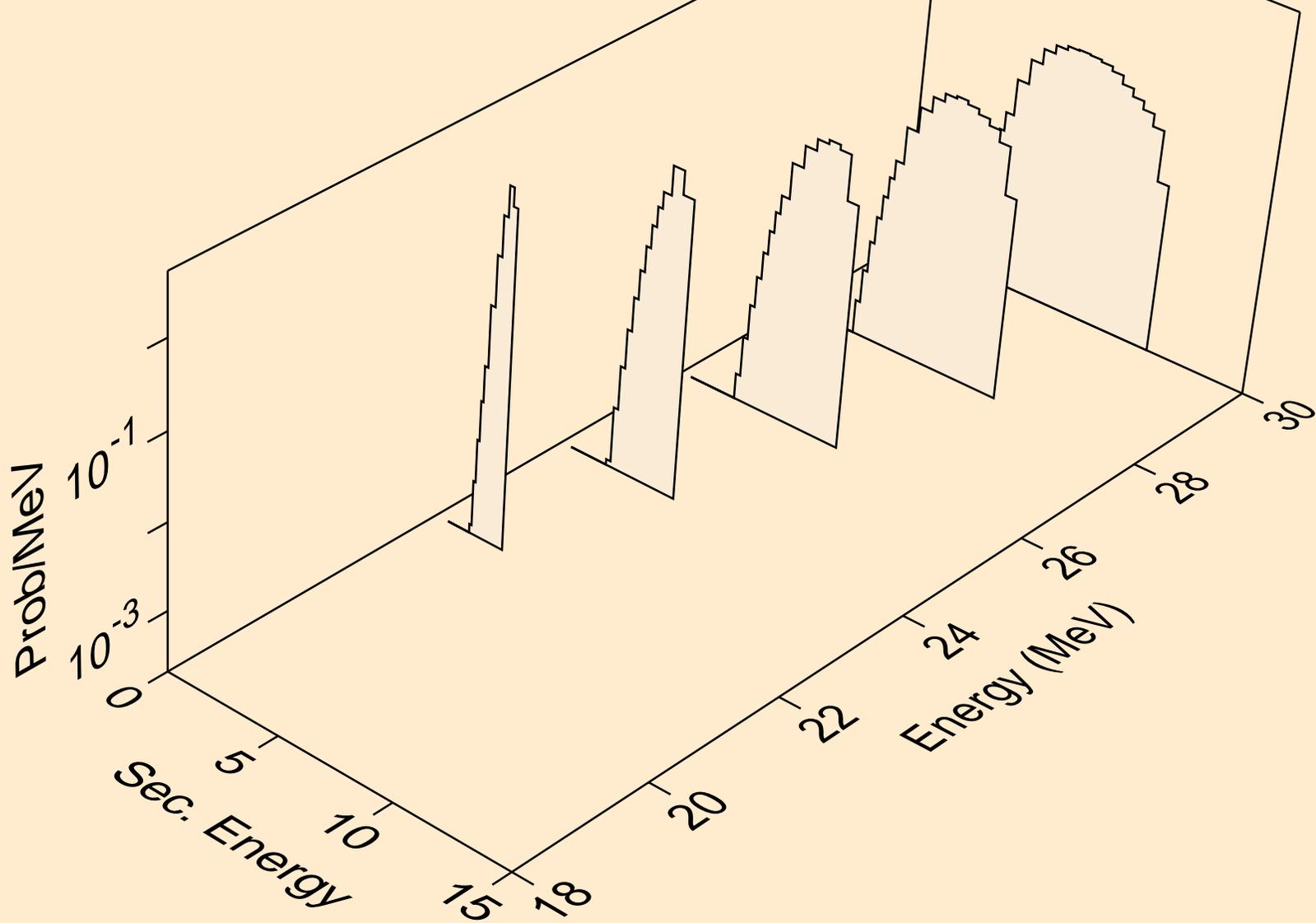RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,n*)d

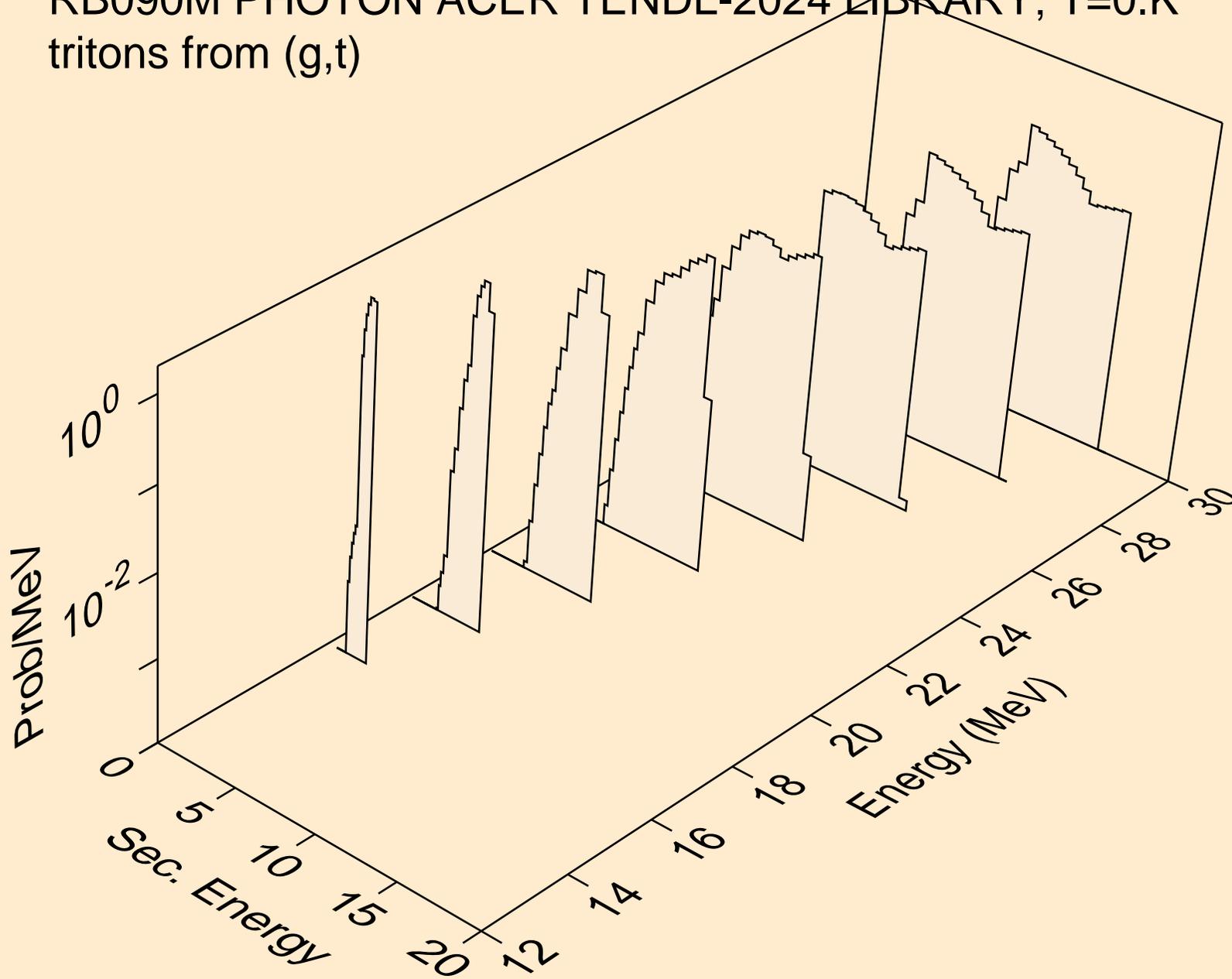RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (g,d)

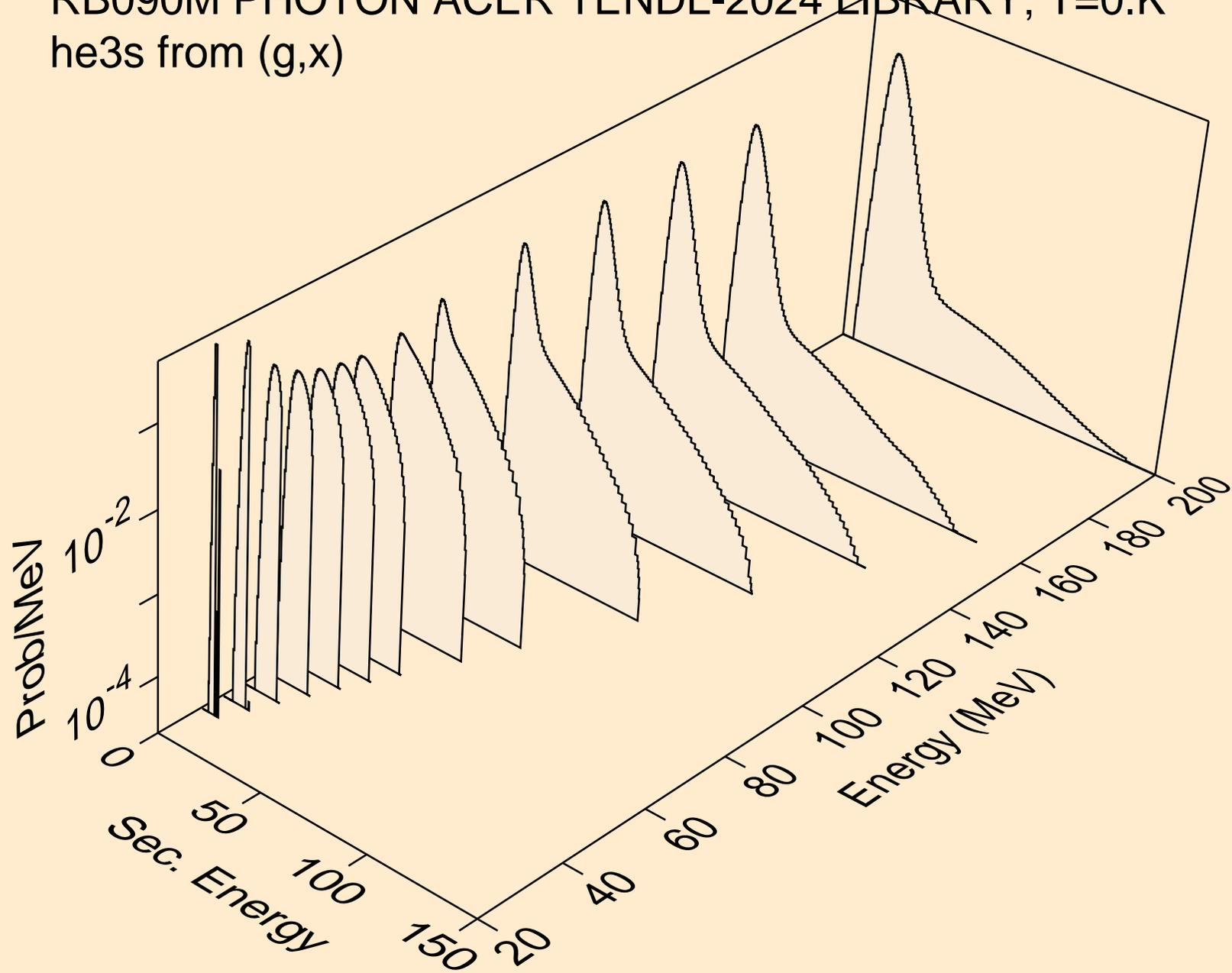RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,x)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,n*)t

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy

5

10

15

18

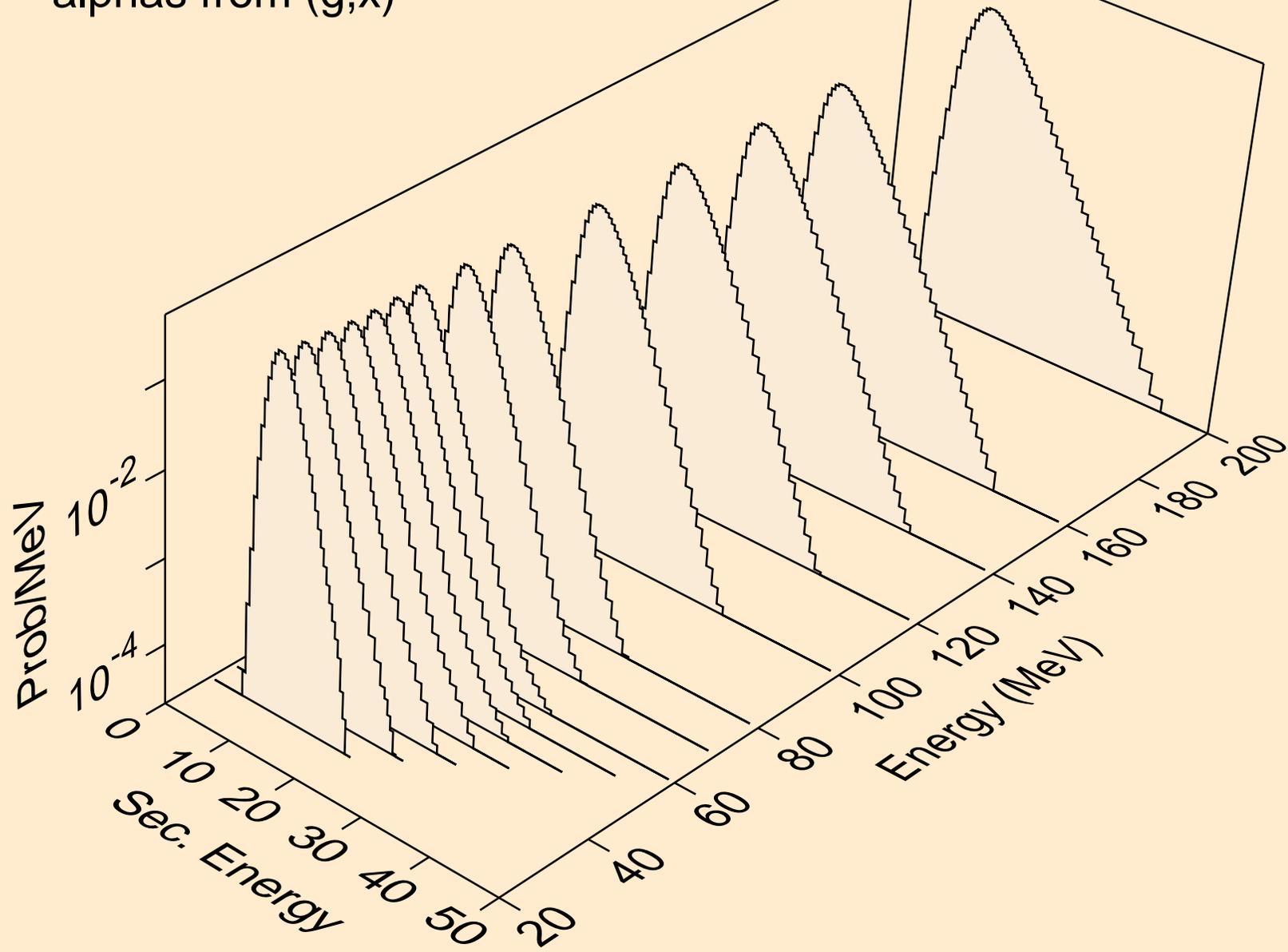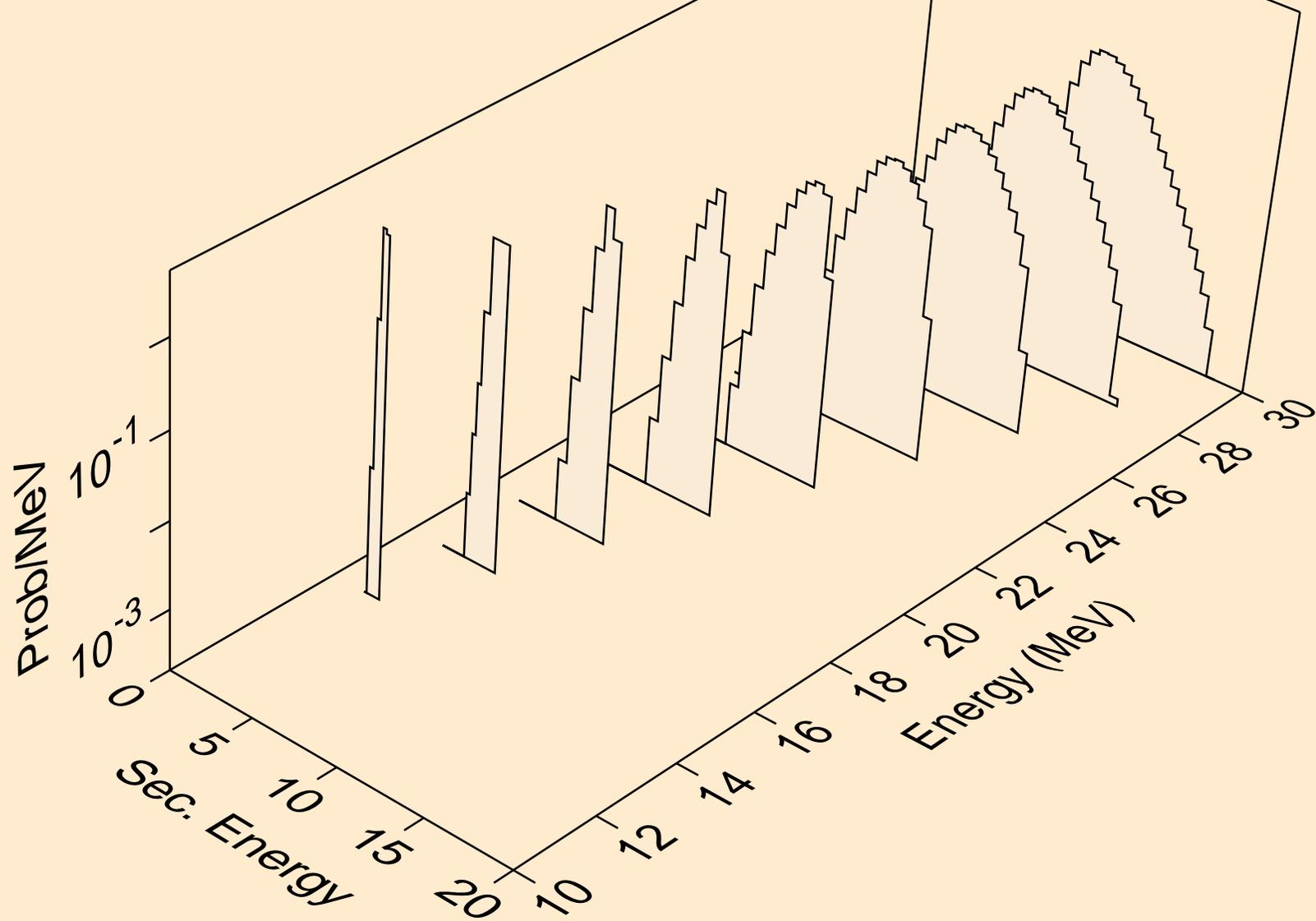Energy (MeV)

20

22

24

26

28

30

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (g,t)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (g,x)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,x)

Prob/MeV

10^{-2}
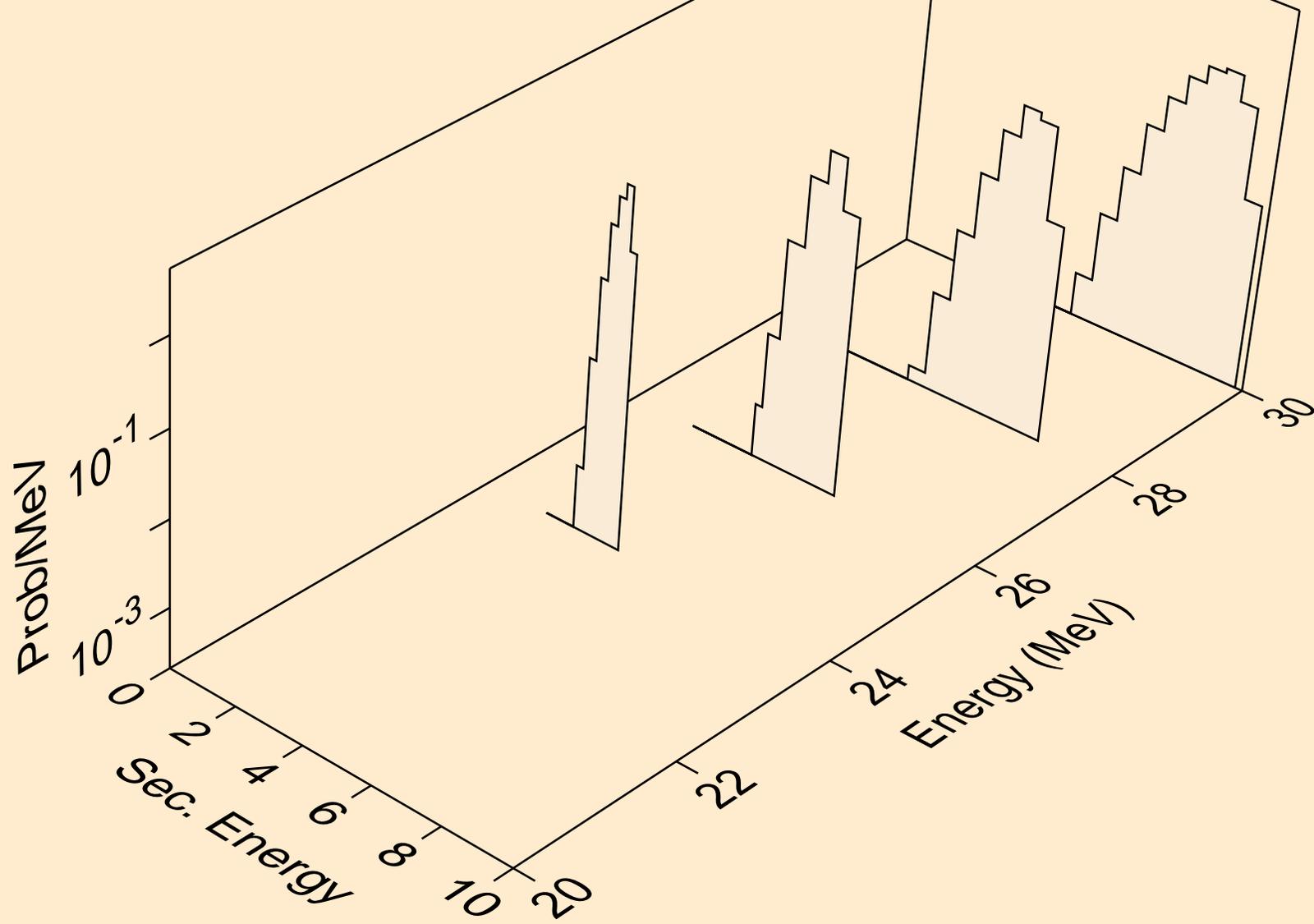
10^{-4}

Sec. Energy

Energy (MeV)

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,n*)a

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,2n)a

RB090M PHOTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (g,a)