AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
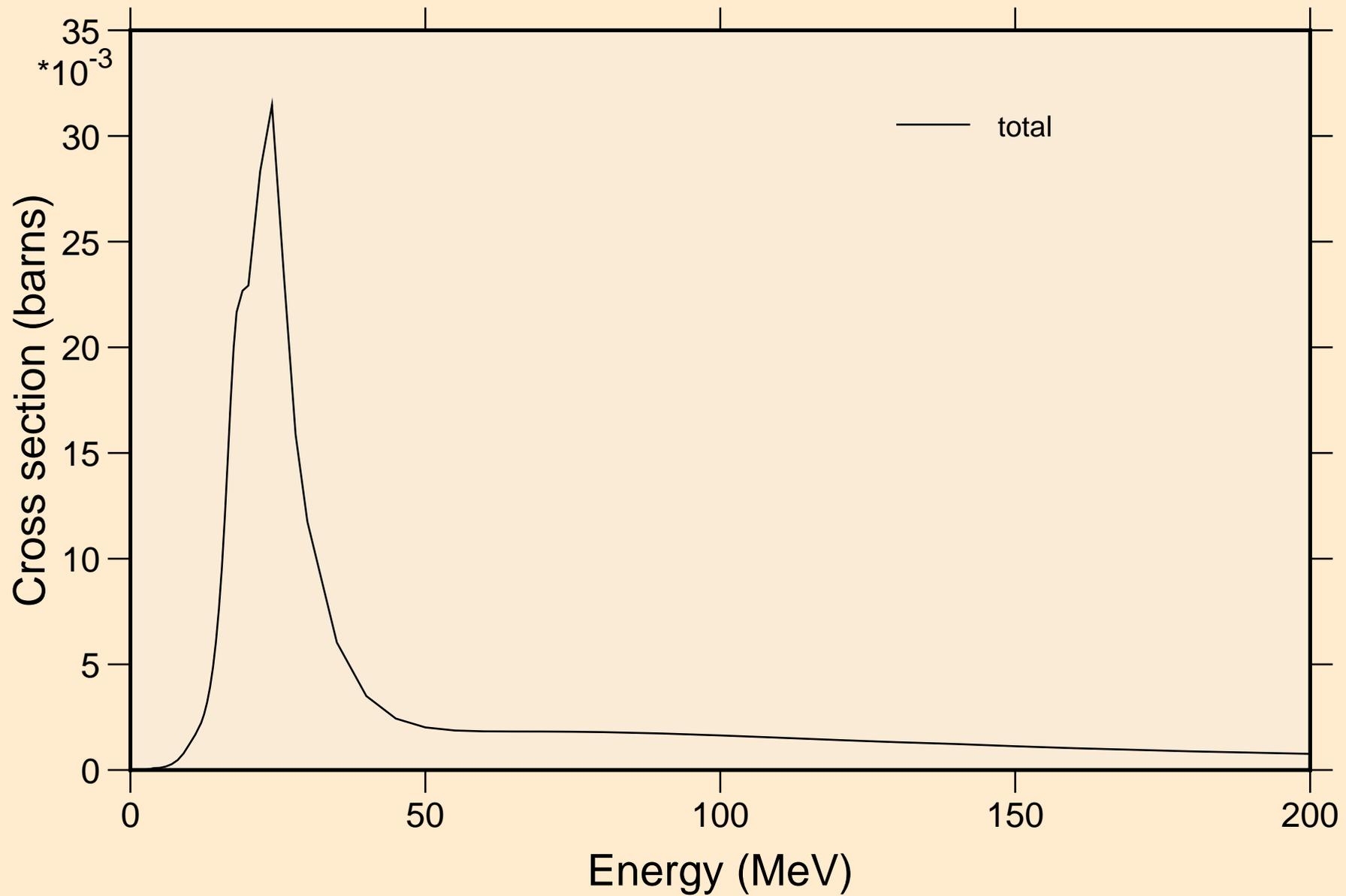Principal cross sections

Cross section (barns)

Energy (MeV)

total
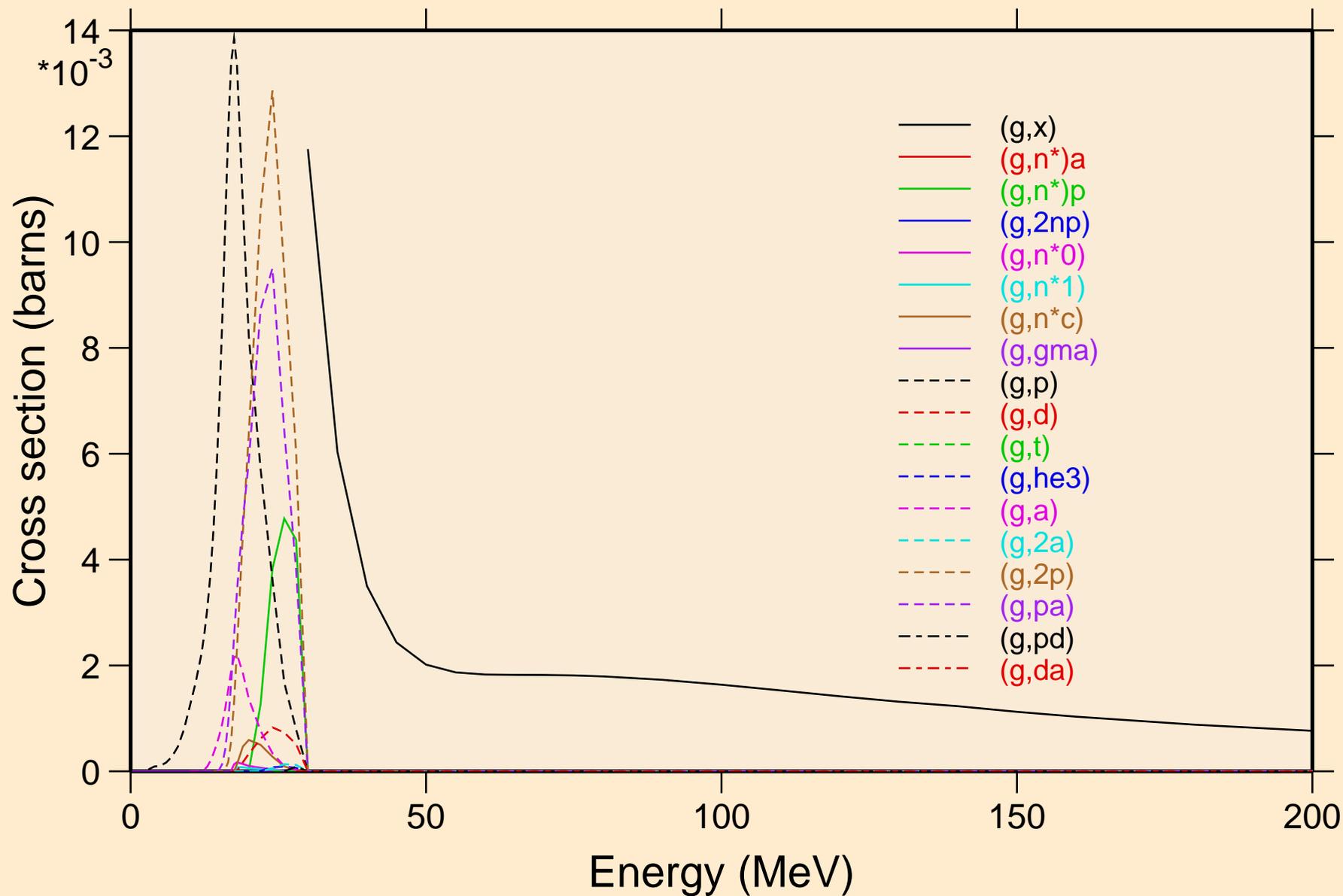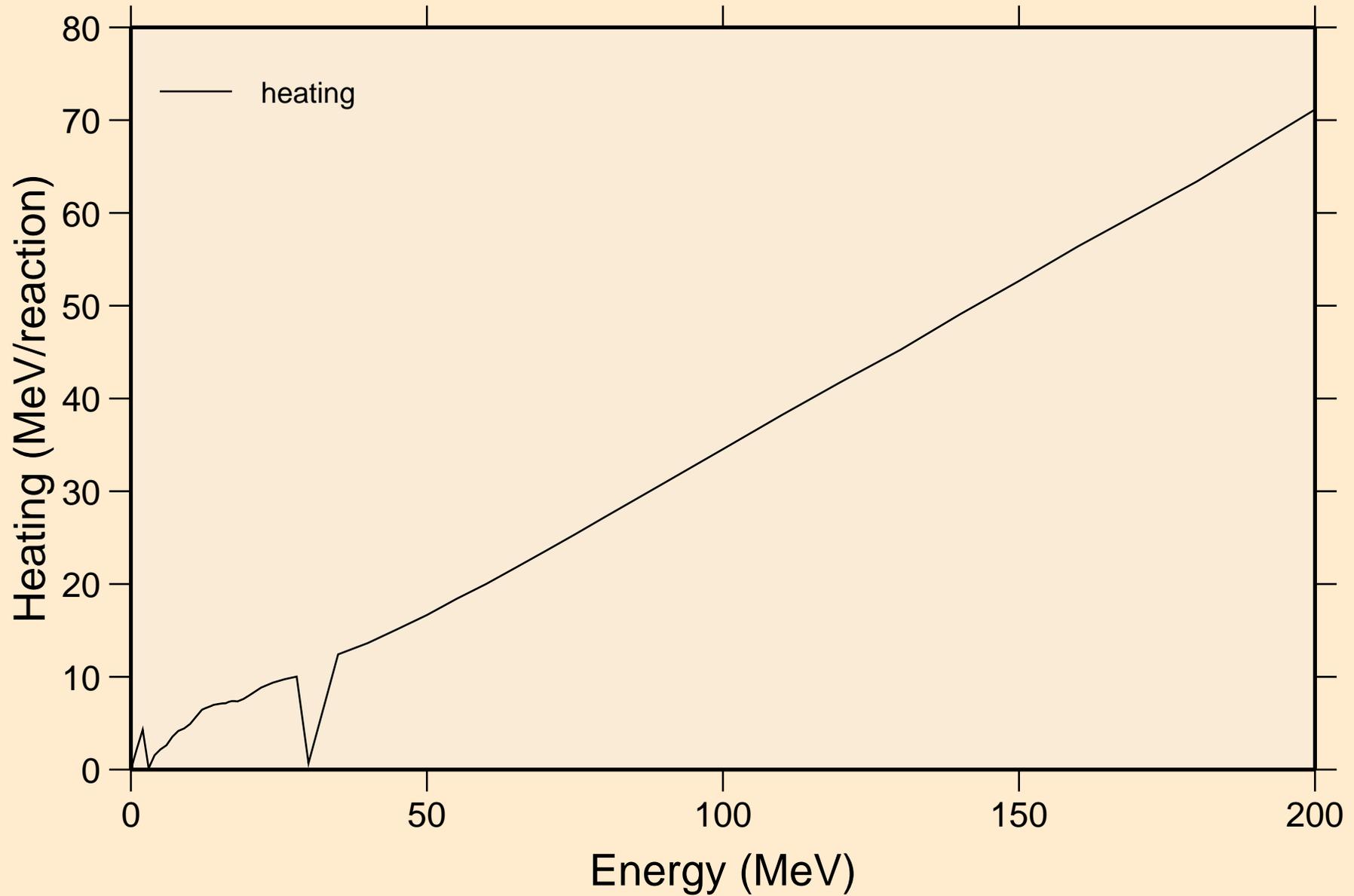
AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
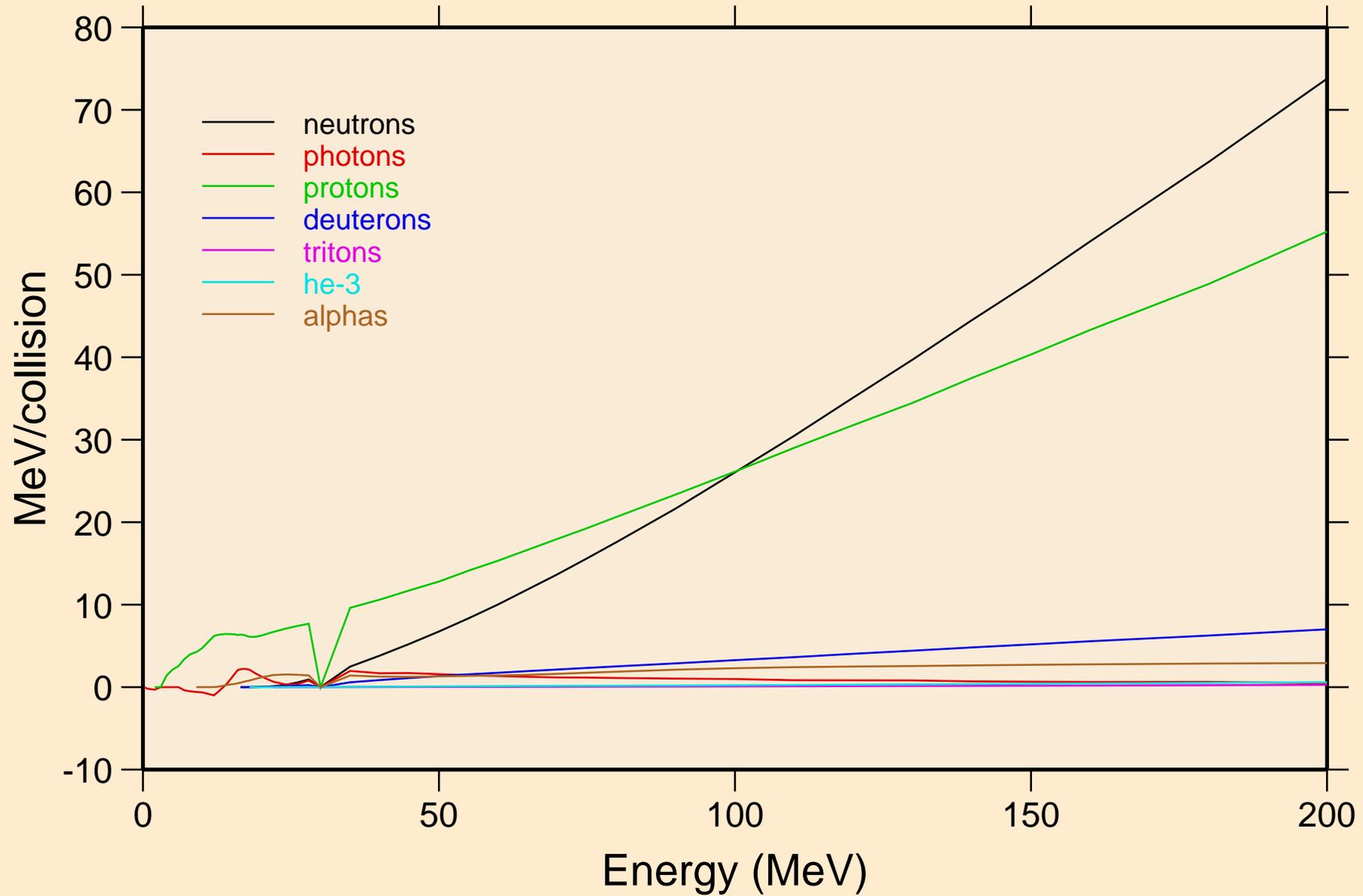Partial cross sections

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
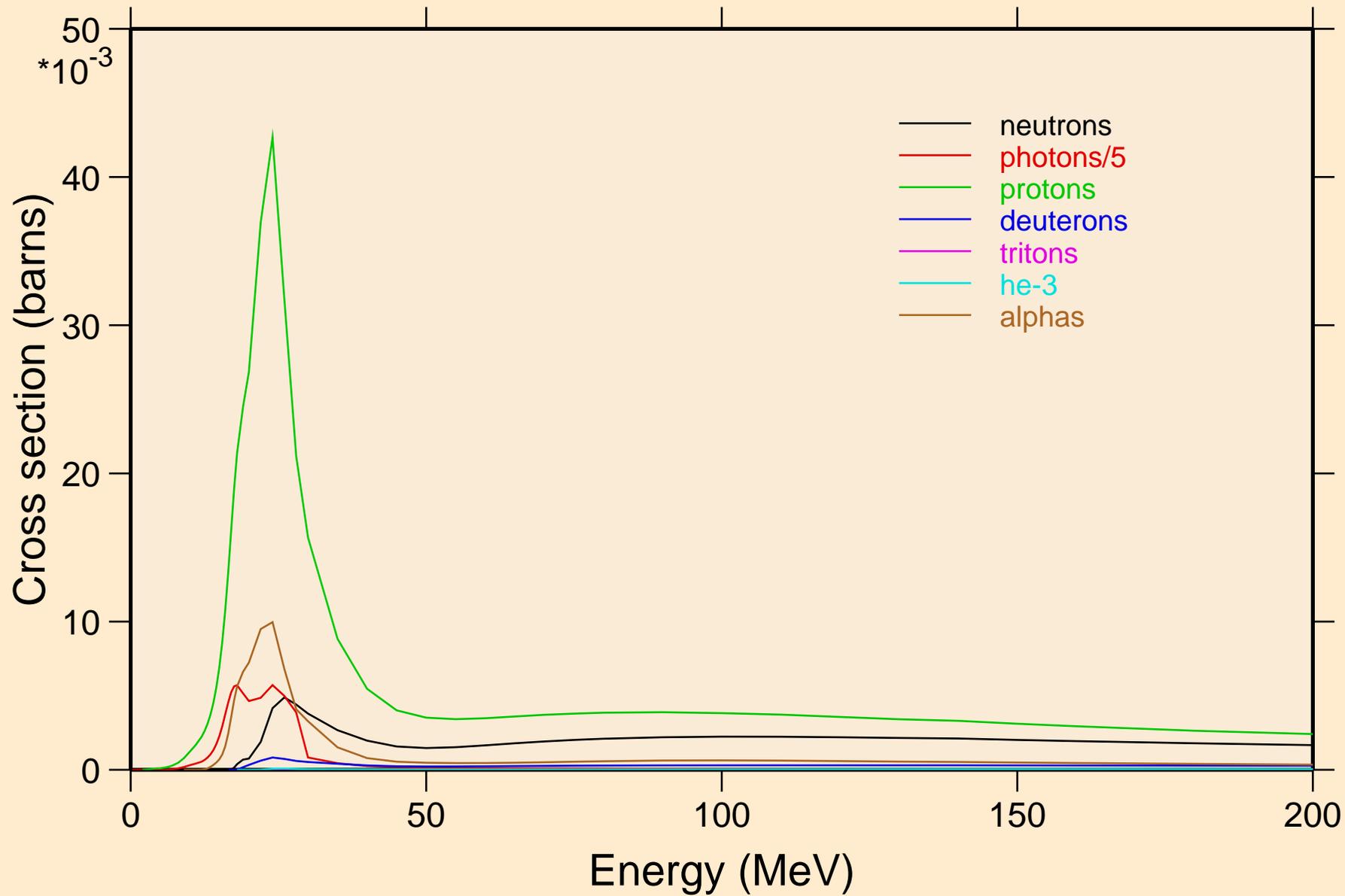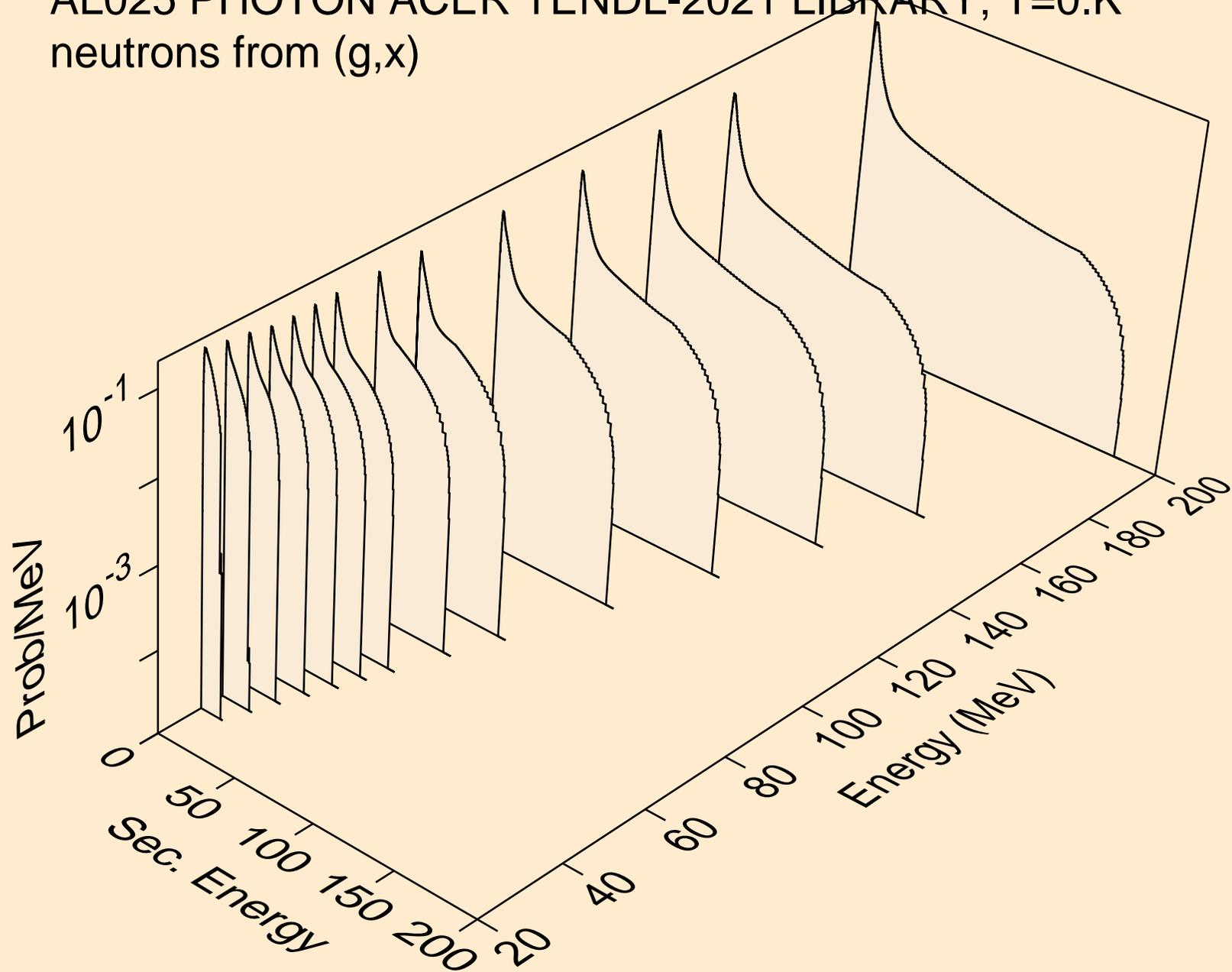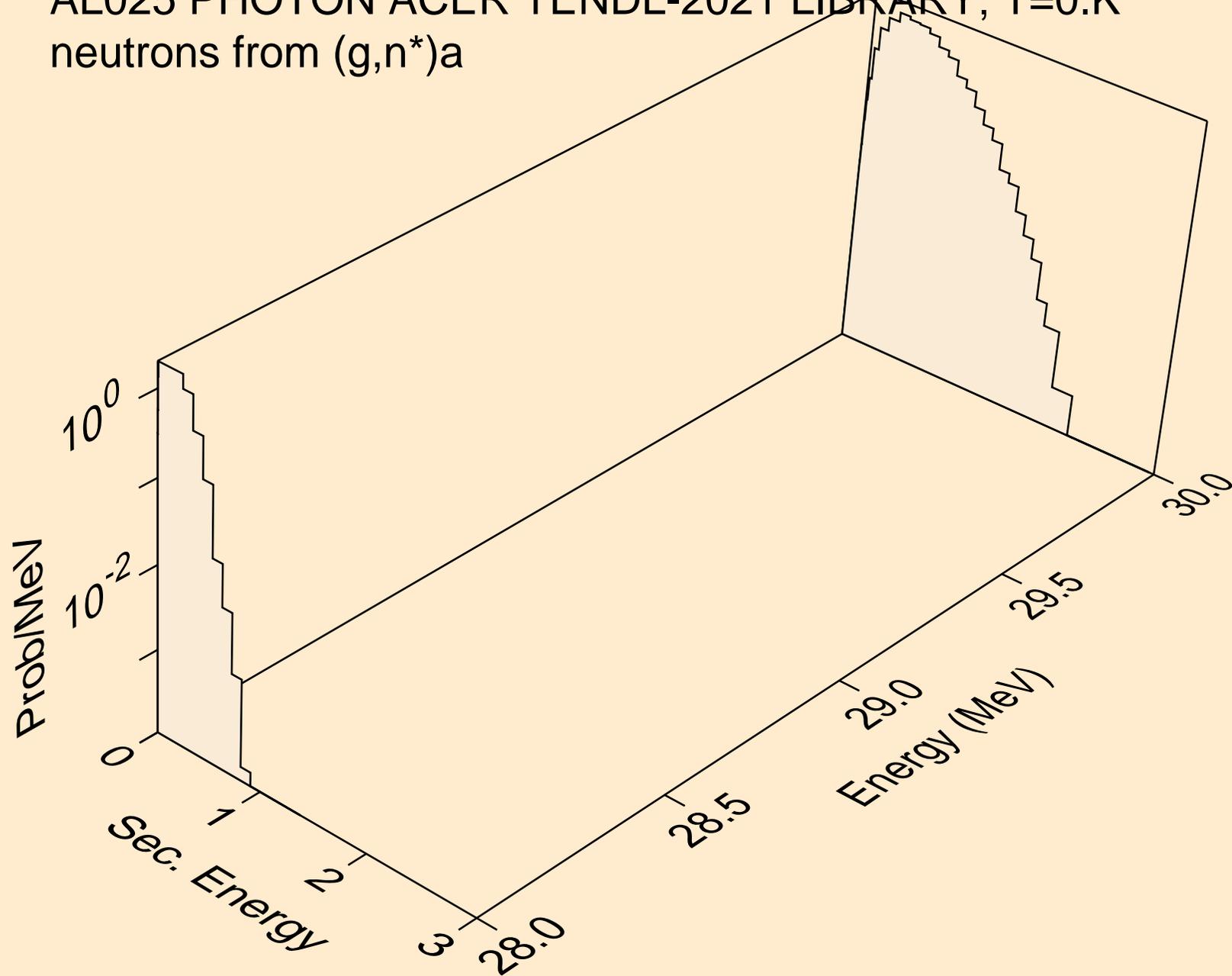Particle heating contributions

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

MeV/collision

Energy (MeV)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections

Cross section (barns) vs Energy (MeV)

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

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,x)

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy

50   100   150   200

Energy (MeV)

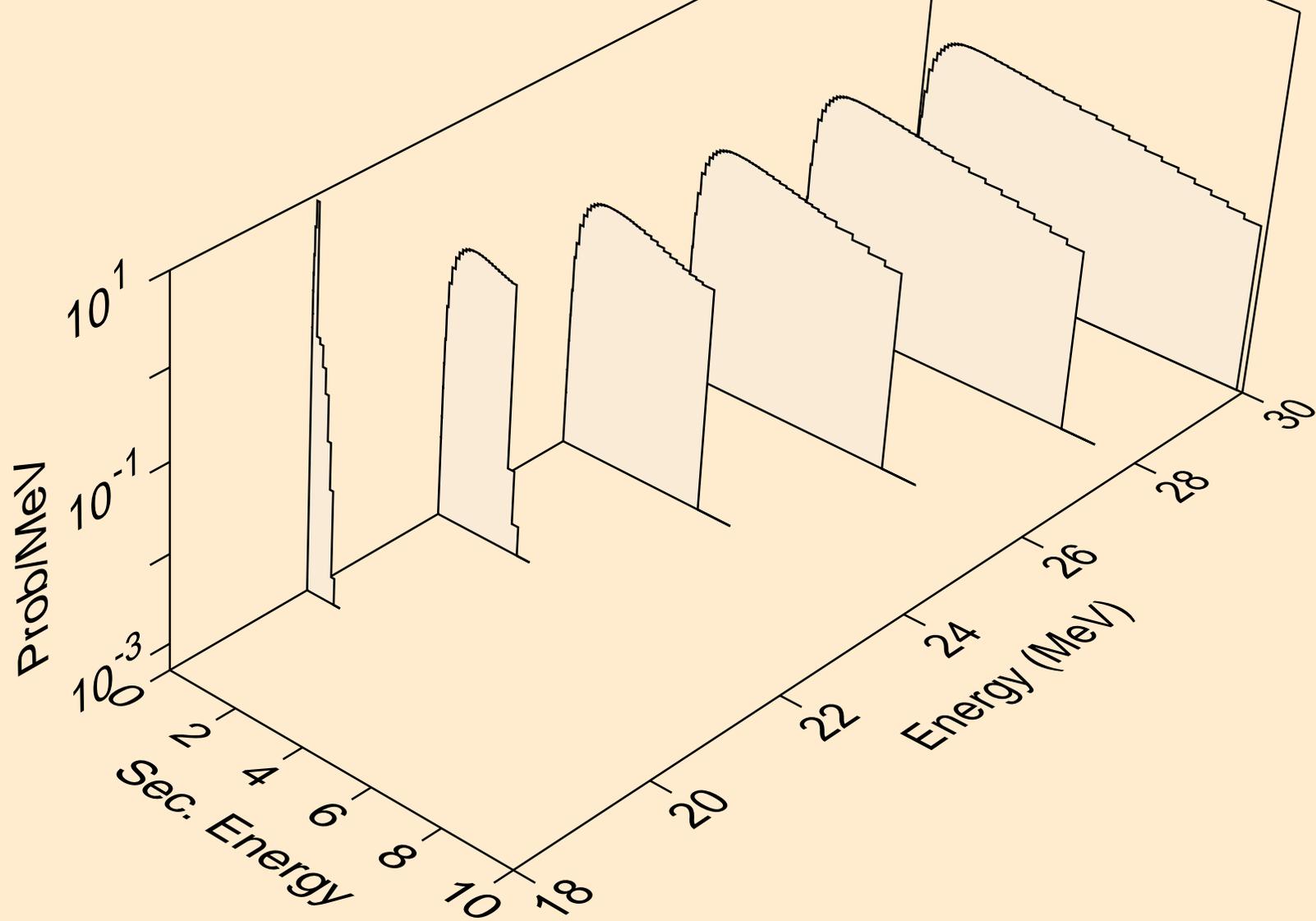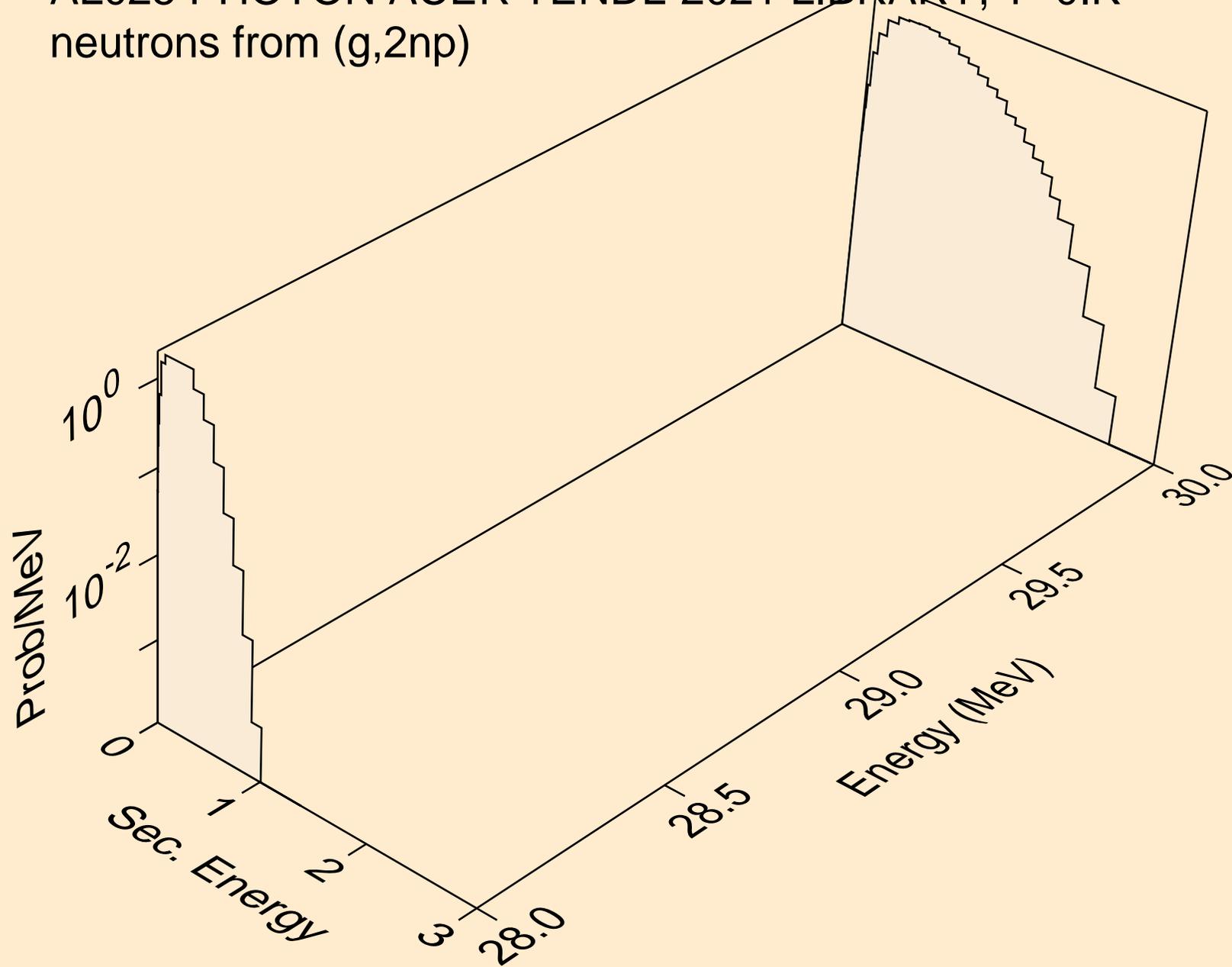20   40   60   80   100   120   140   160   180   200

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
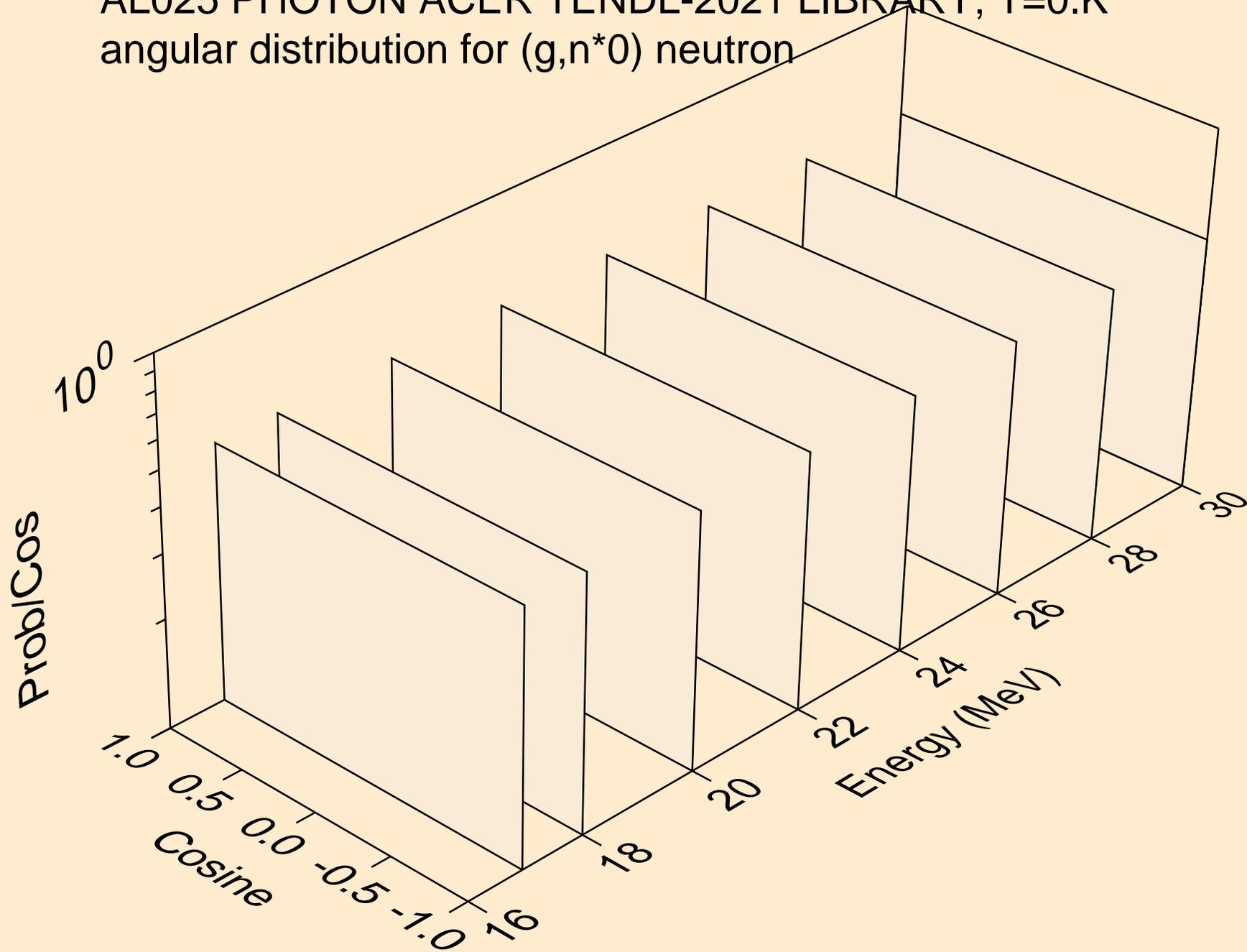neutrons from (g,n*)a

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
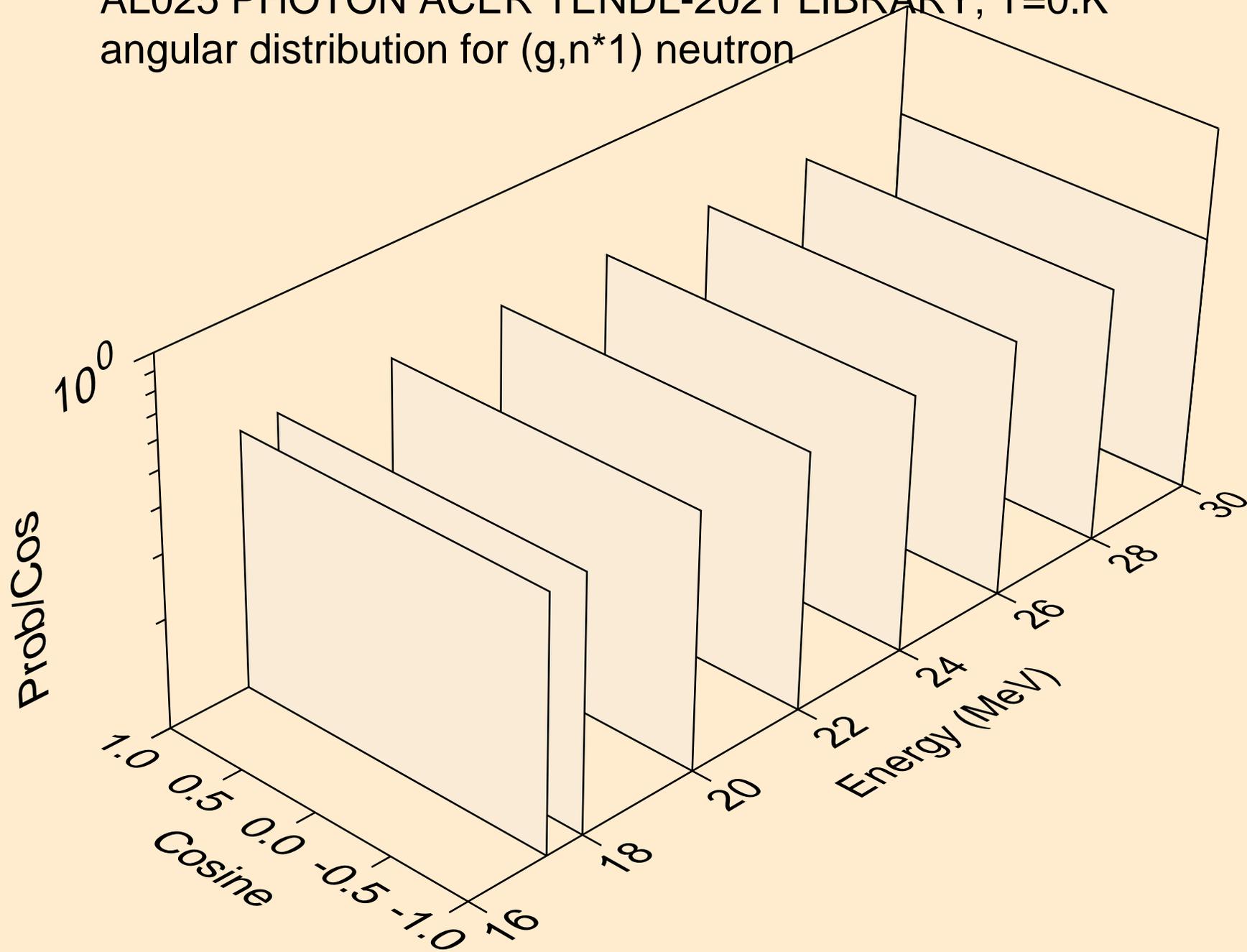neutrons from (g,n*)p

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
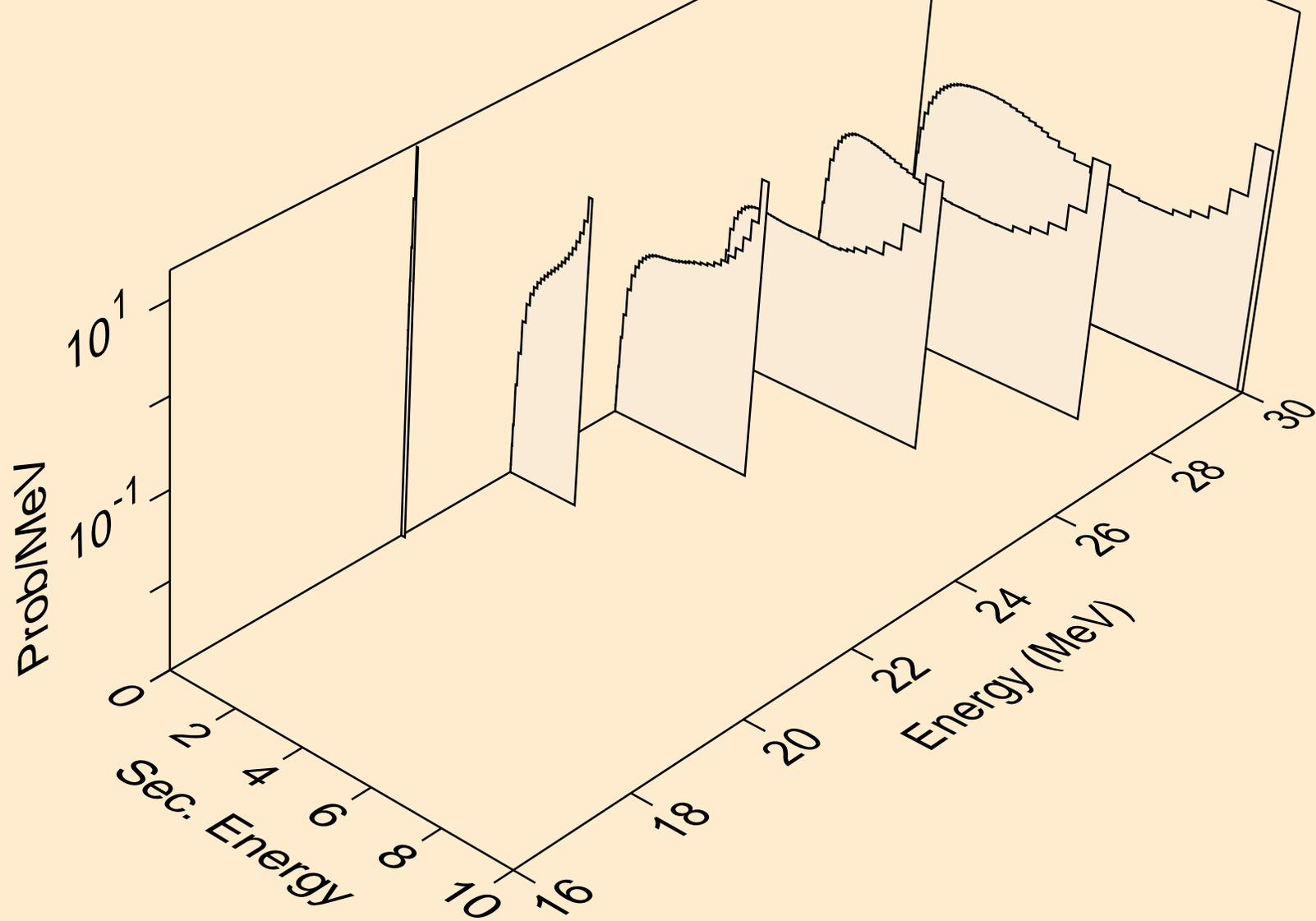neutrons from (g,2np)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
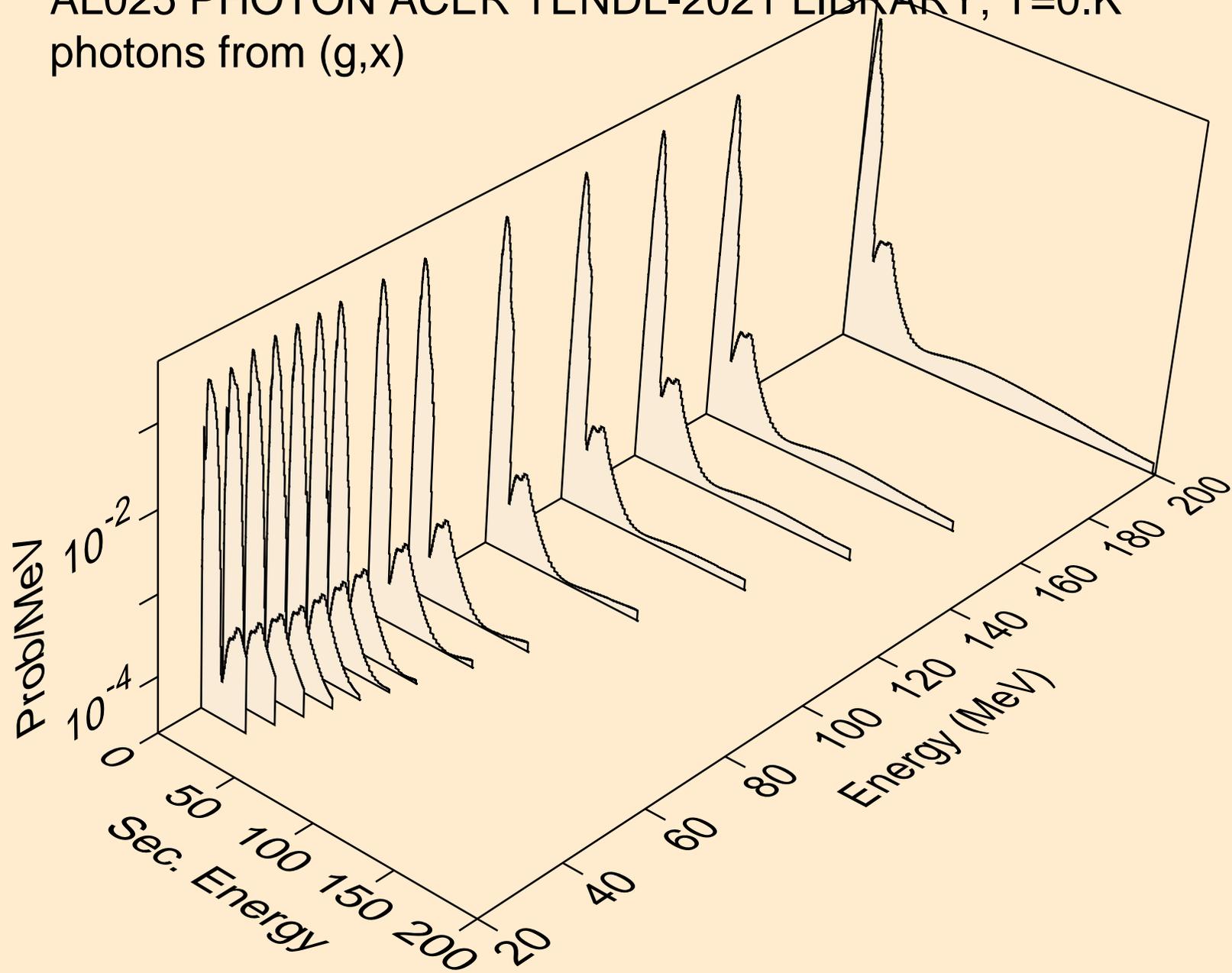angular distribution for (g,n*0) neutron

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
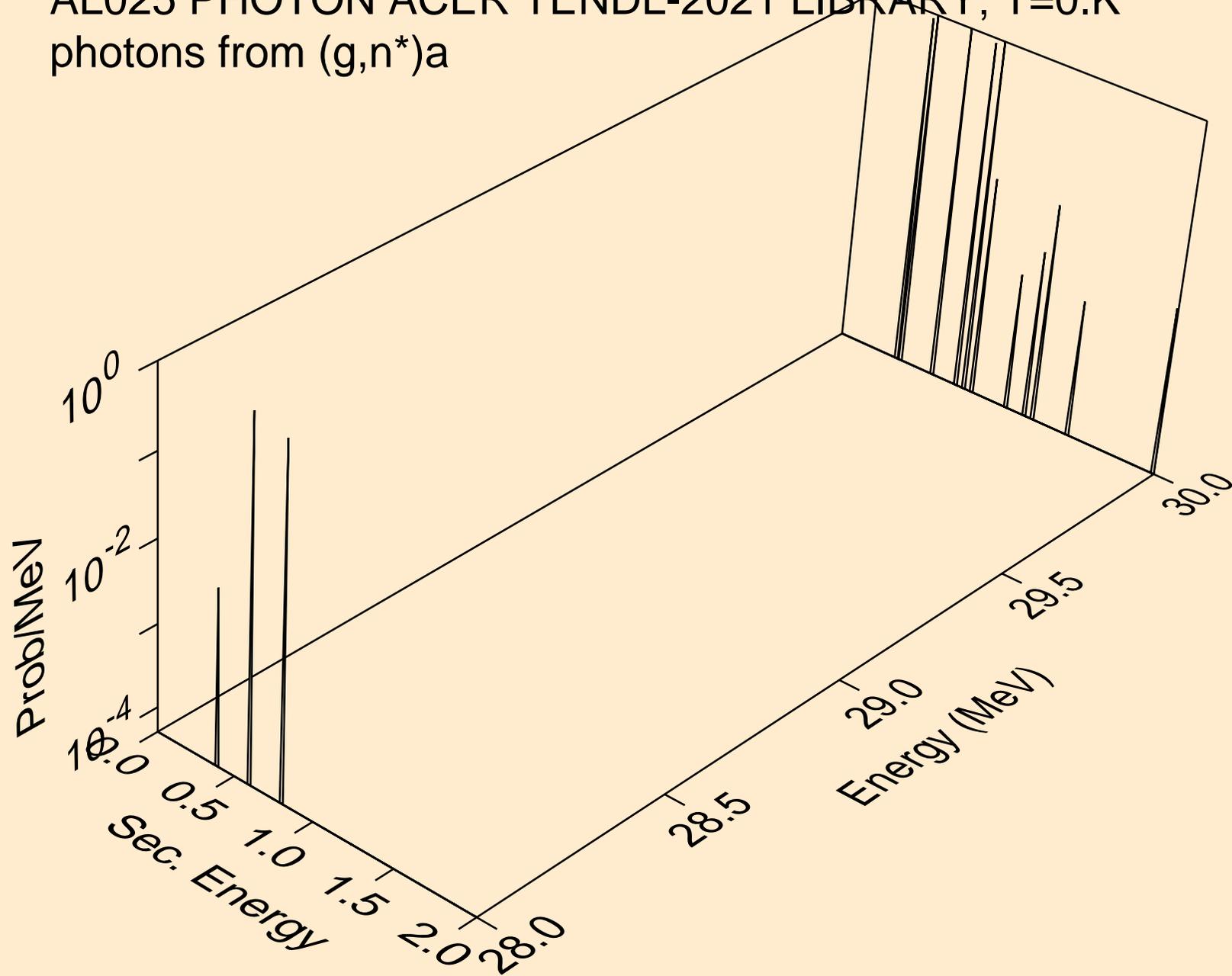angular distribution for (g,n*1) neutron

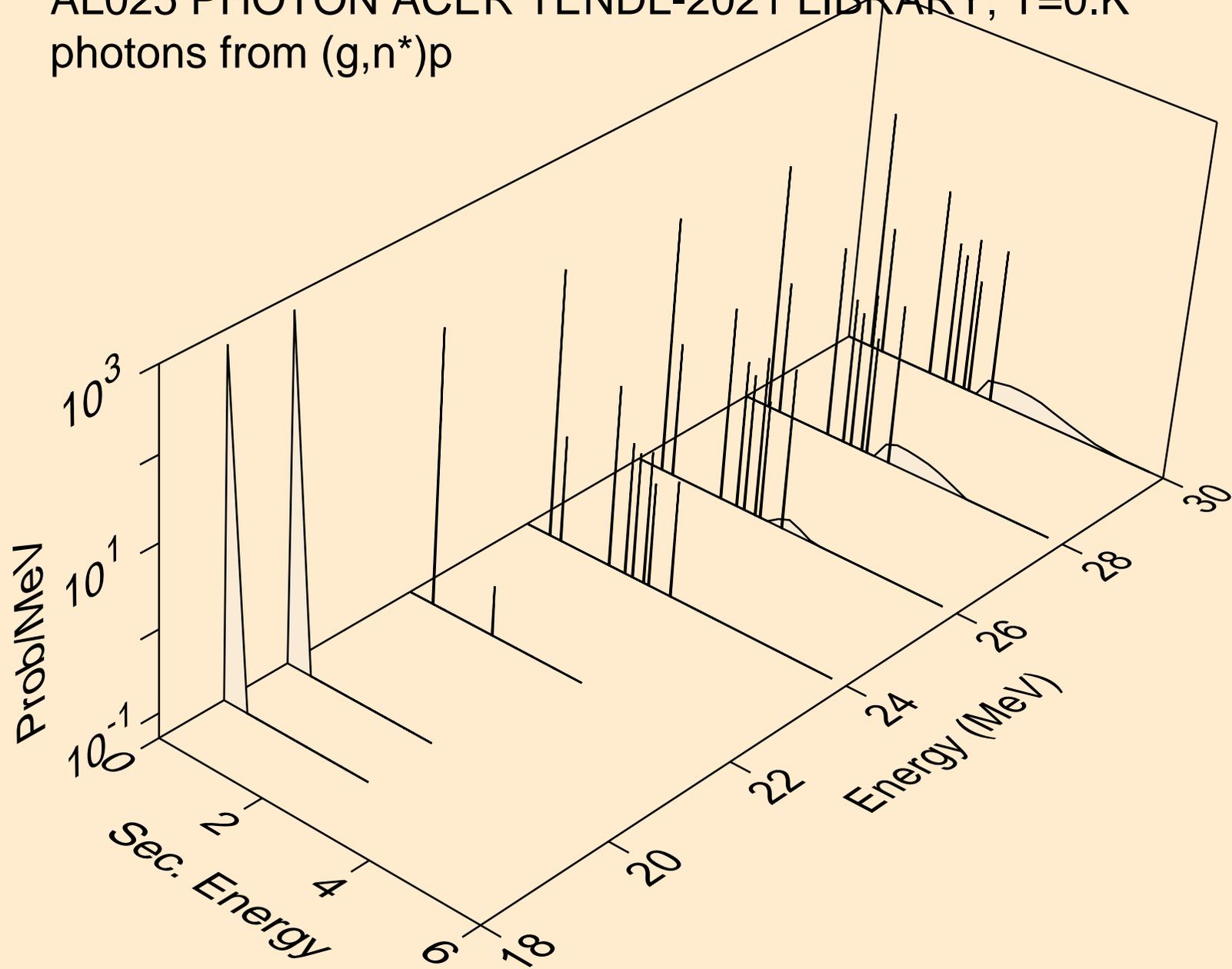AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (g,n*c)

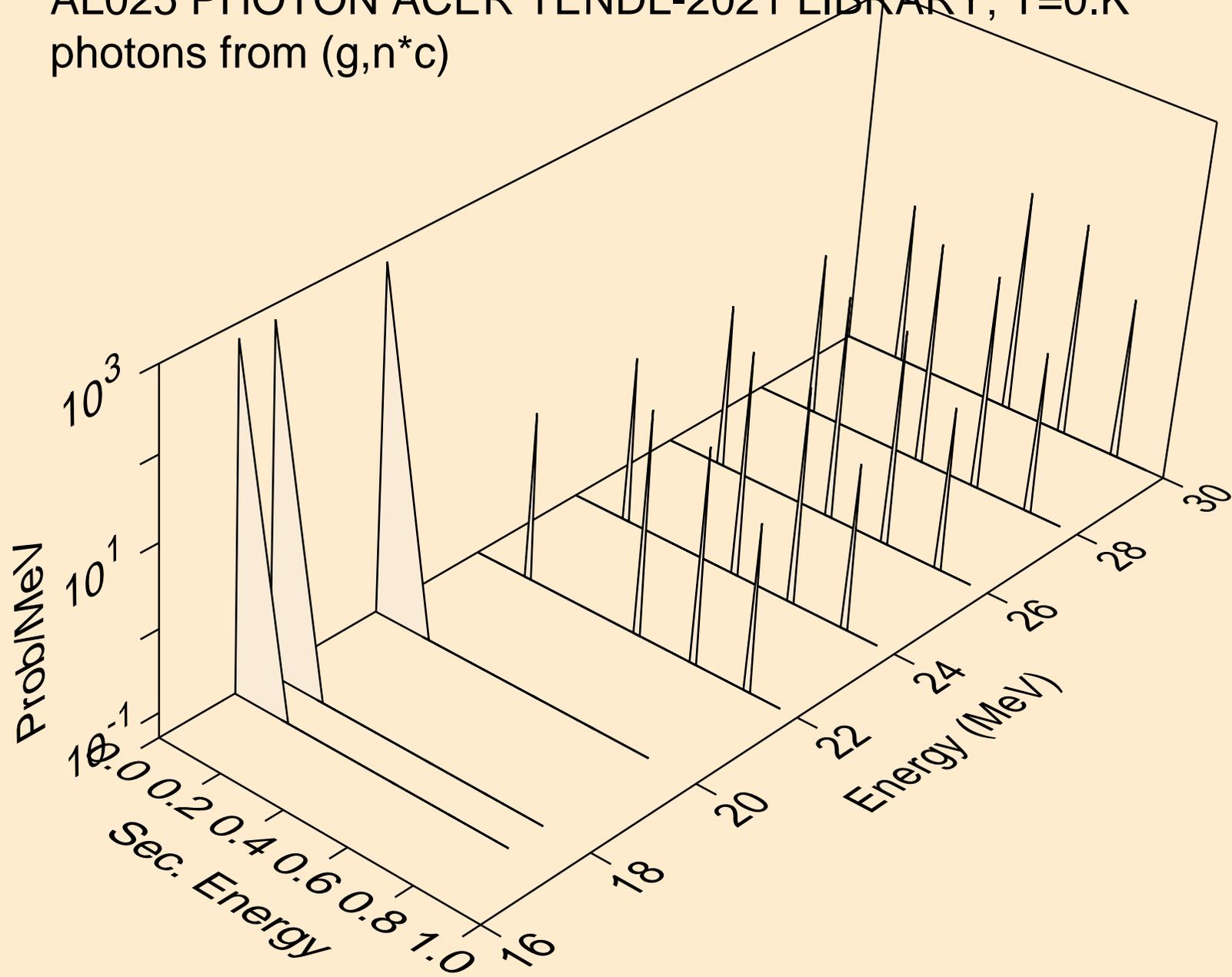AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,x)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)a

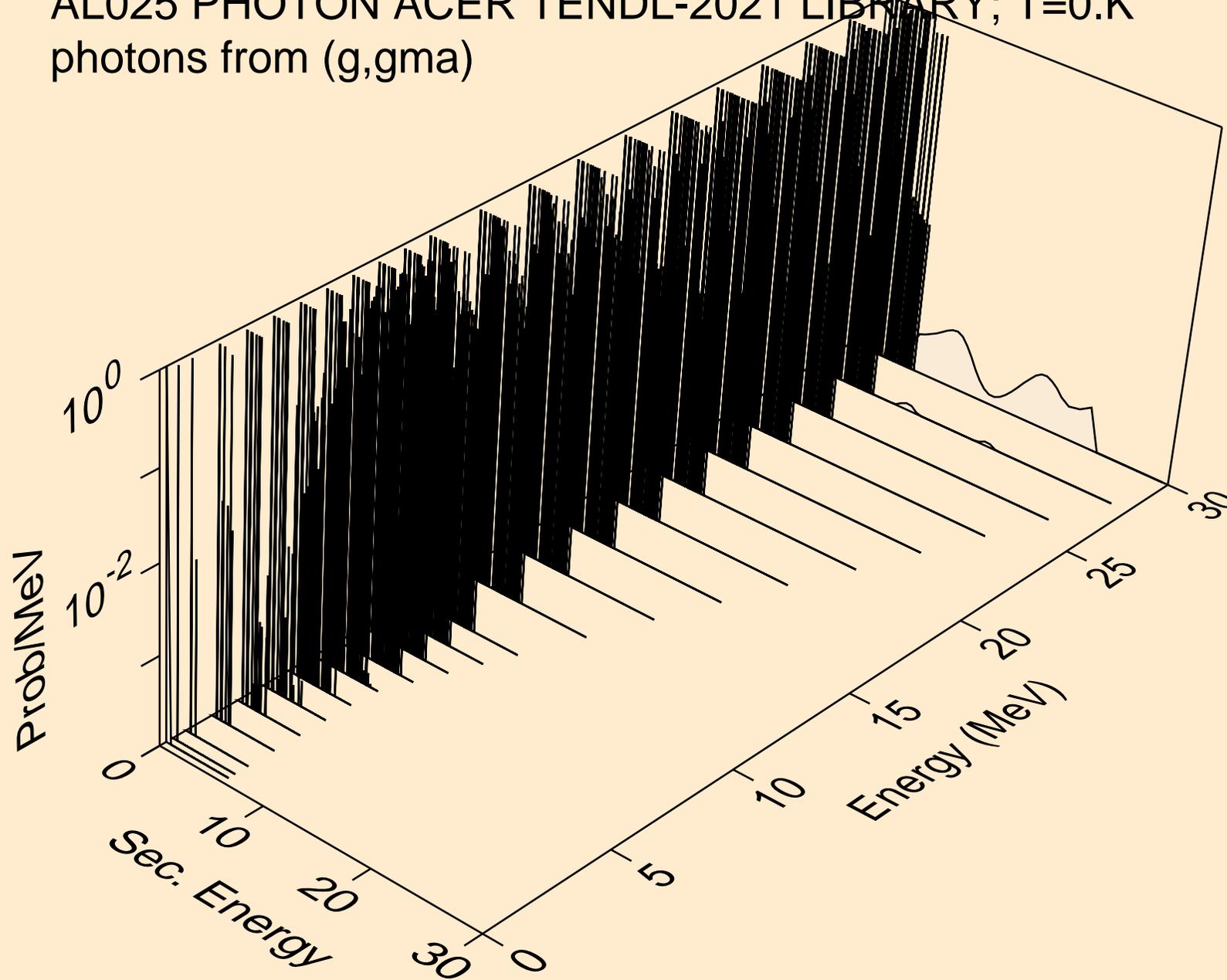AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*)p

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,2np)

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

0.0 0.5 1.0 1.5 2.0

28.0 28.5 29.0 29.5 30.0

Energy (MeV)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,n*c)

Prob/MeV

10^3

10^1

10^{-1}

Sec. Energy

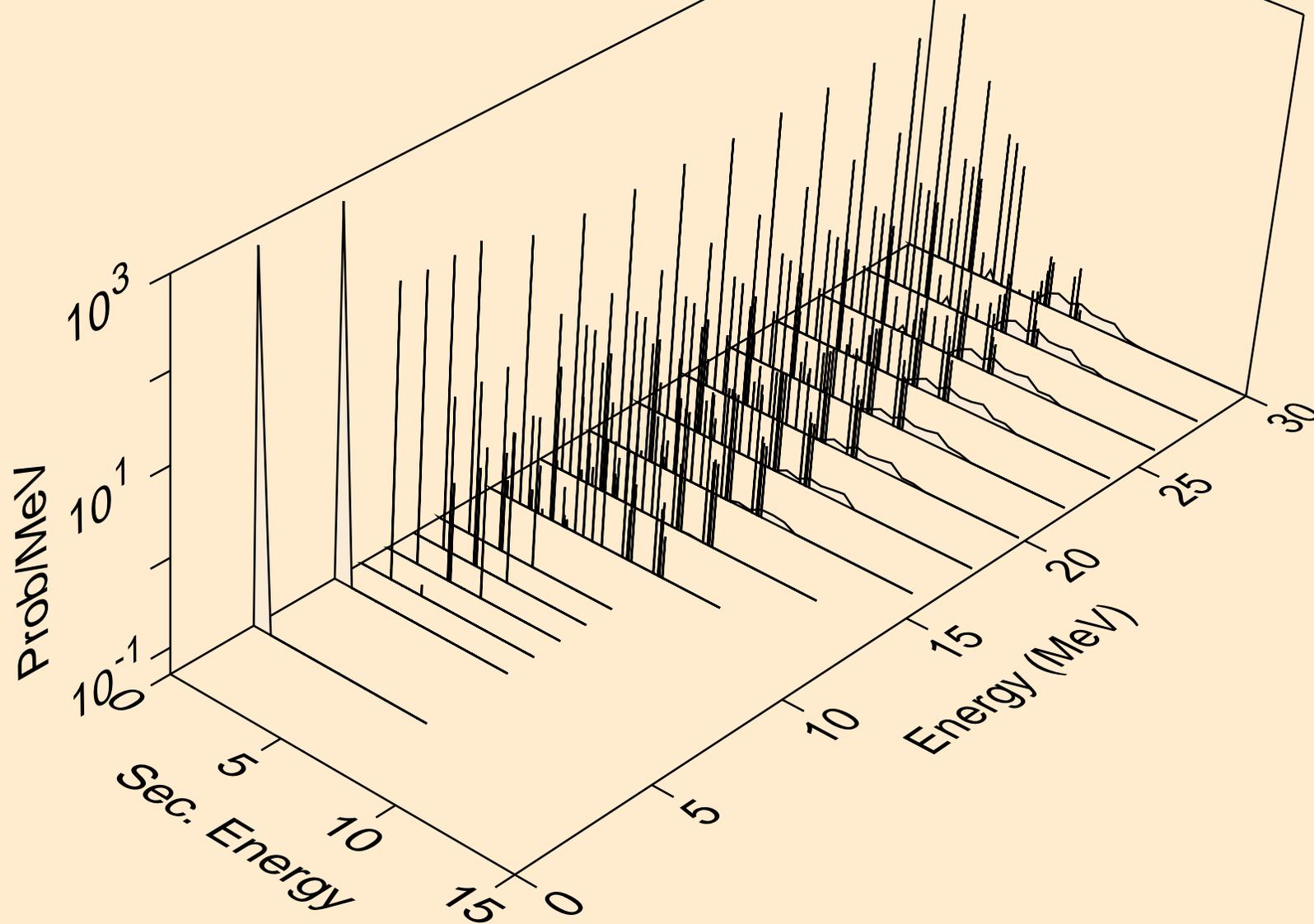0.0 0.2 0.4 0.6 0.8 1.0

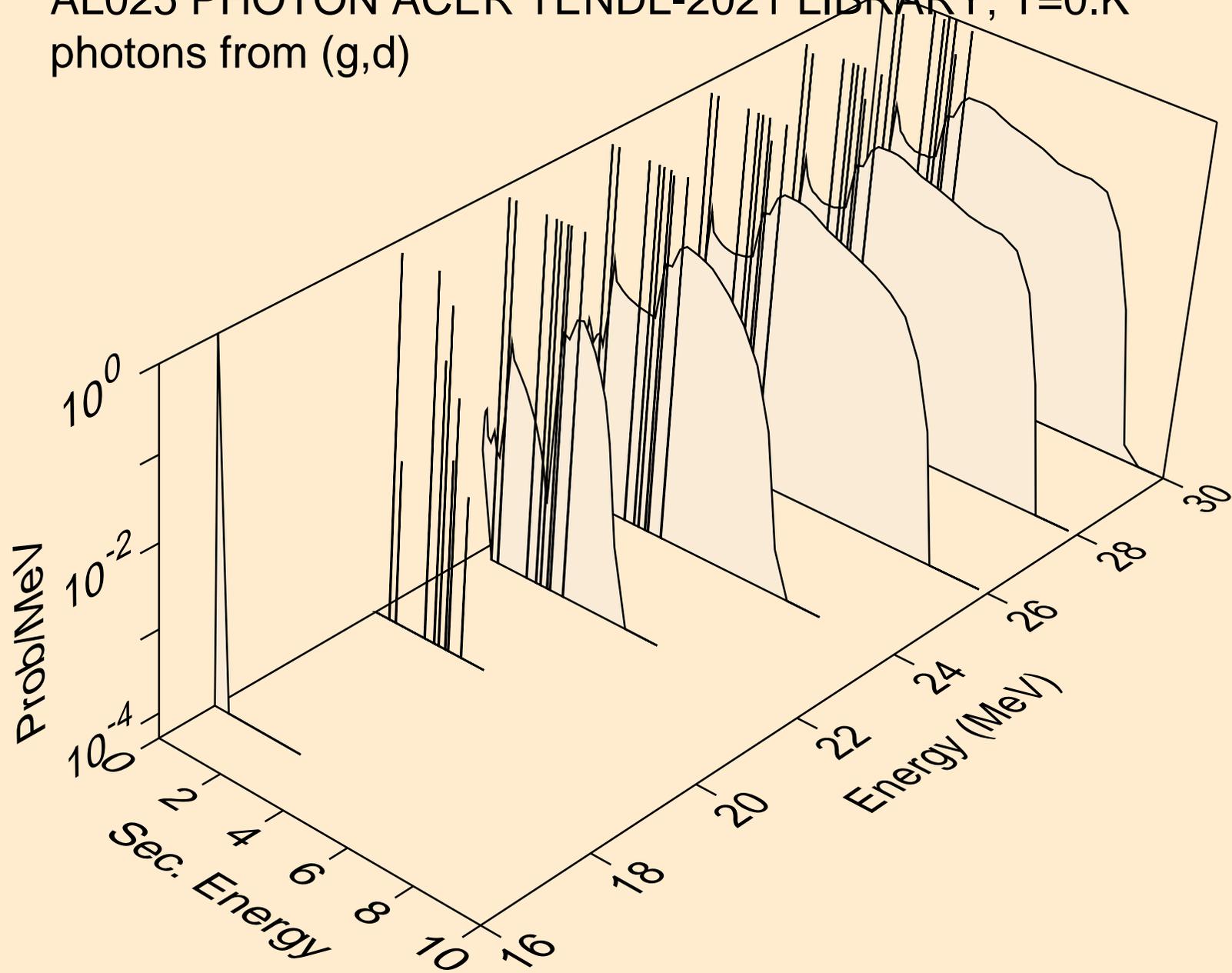Energy (MeV)

16 18 20 22 24 26 28 30

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,gma)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,p)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,d)

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

2 4 6 8 10

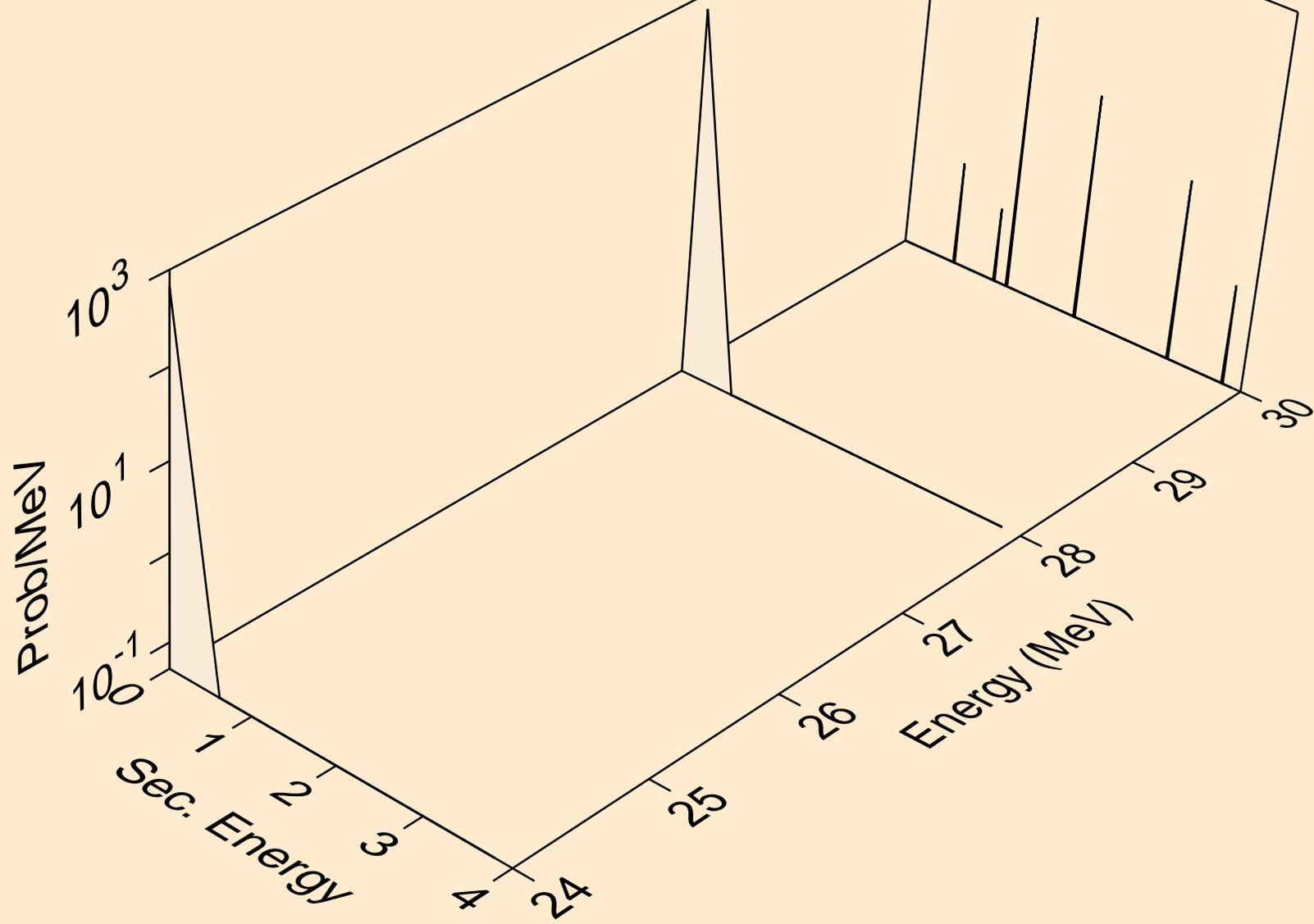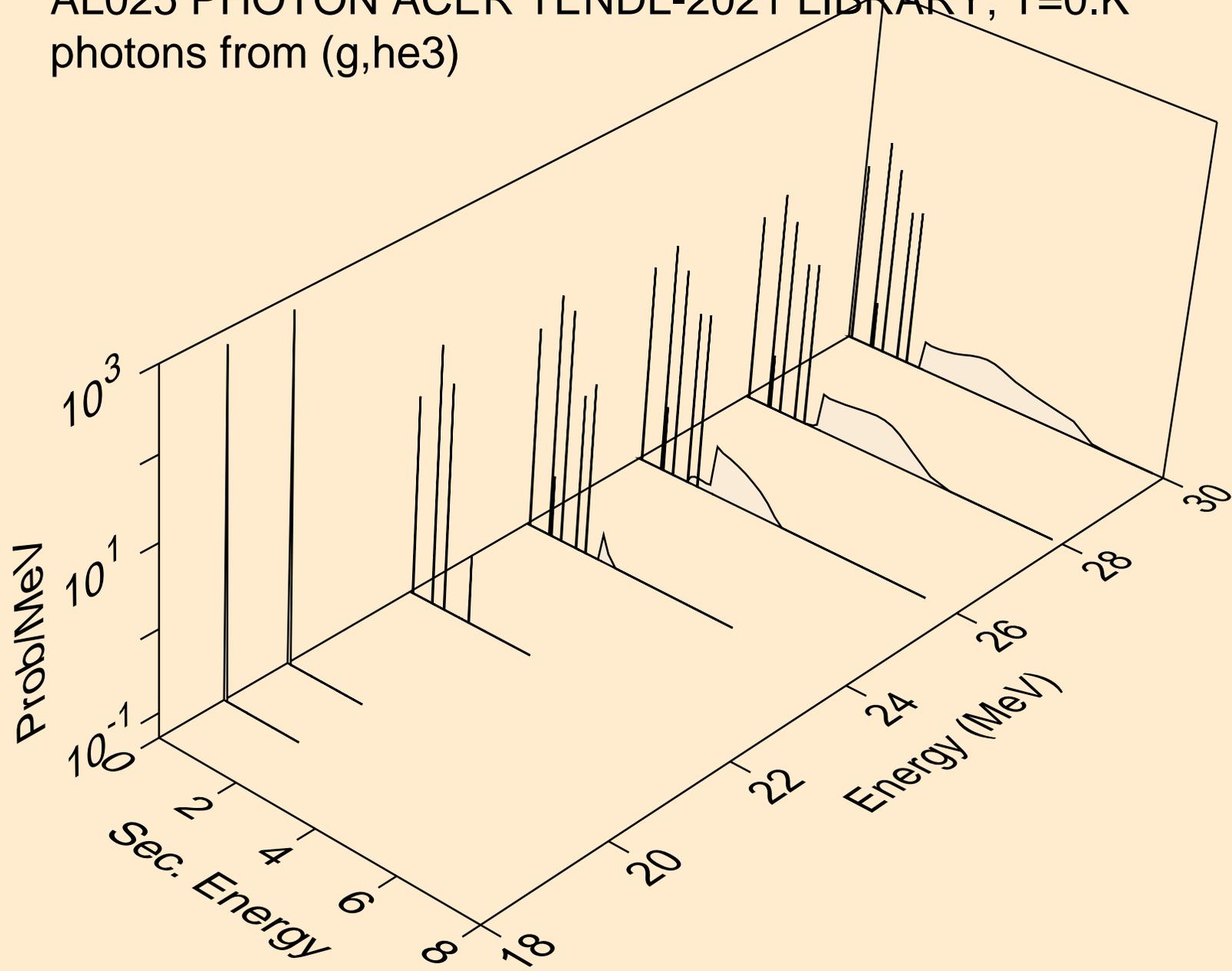16 18 20 22 24 26 28 30

Energy (MeV)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,t)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,he3)

AL025 PHOTON ACER TENDL-2021 LIBRARY; T=0.K
photons from (g,a)