RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections

Cross section (barns)

Energy (MeV)

total
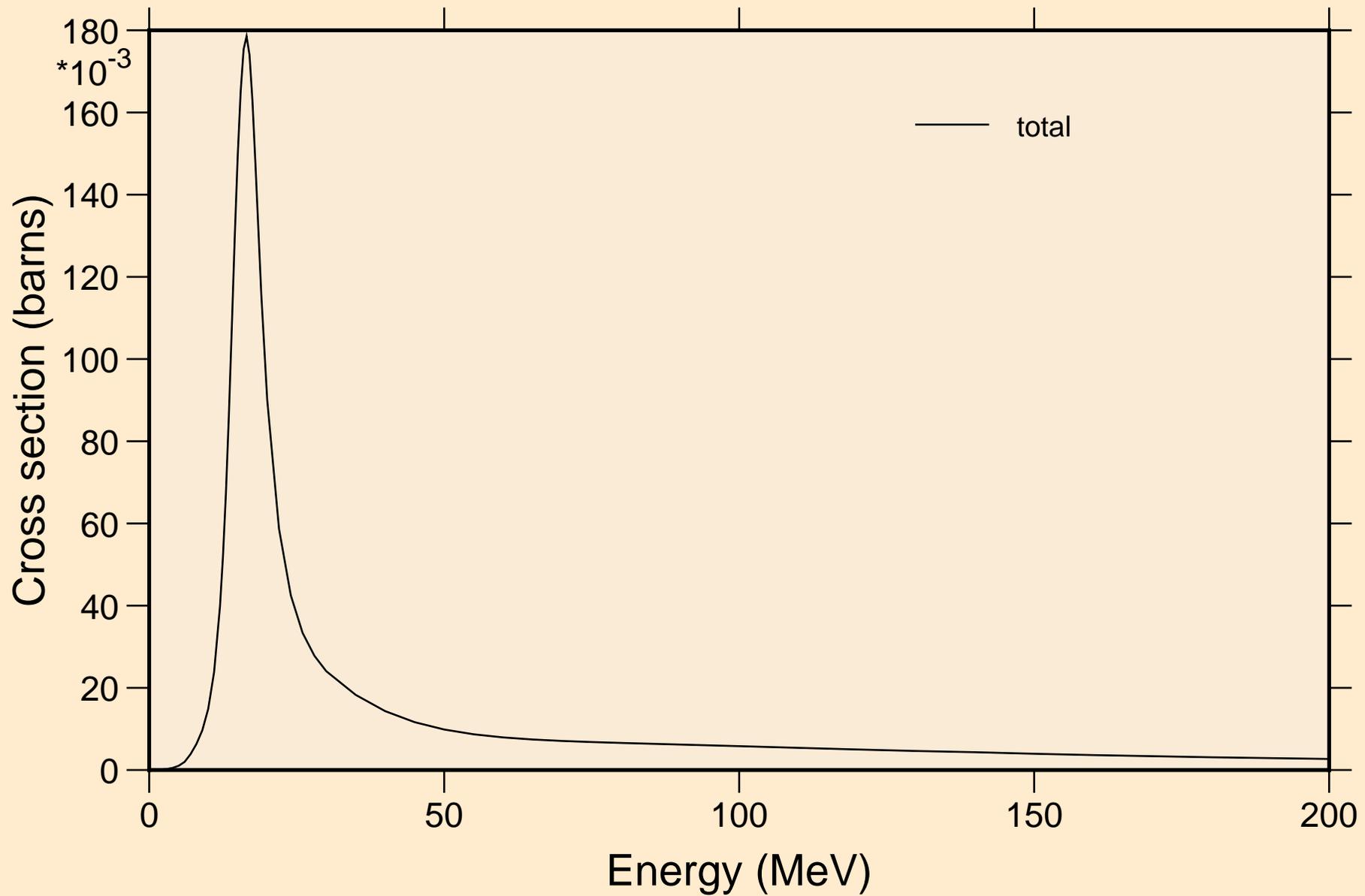
RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Partial cross sections

Cross section (barns) vs Energy (MeV)

Legend:
- (g,x)
- (g,2nd)
- (g,2n)
- (g,3n)
- (g,n*)a
- (g,2n)a
- (g,n*)p
- (g,n*)d
- (g,n*)t
- (g,4n)
- (g,2np)
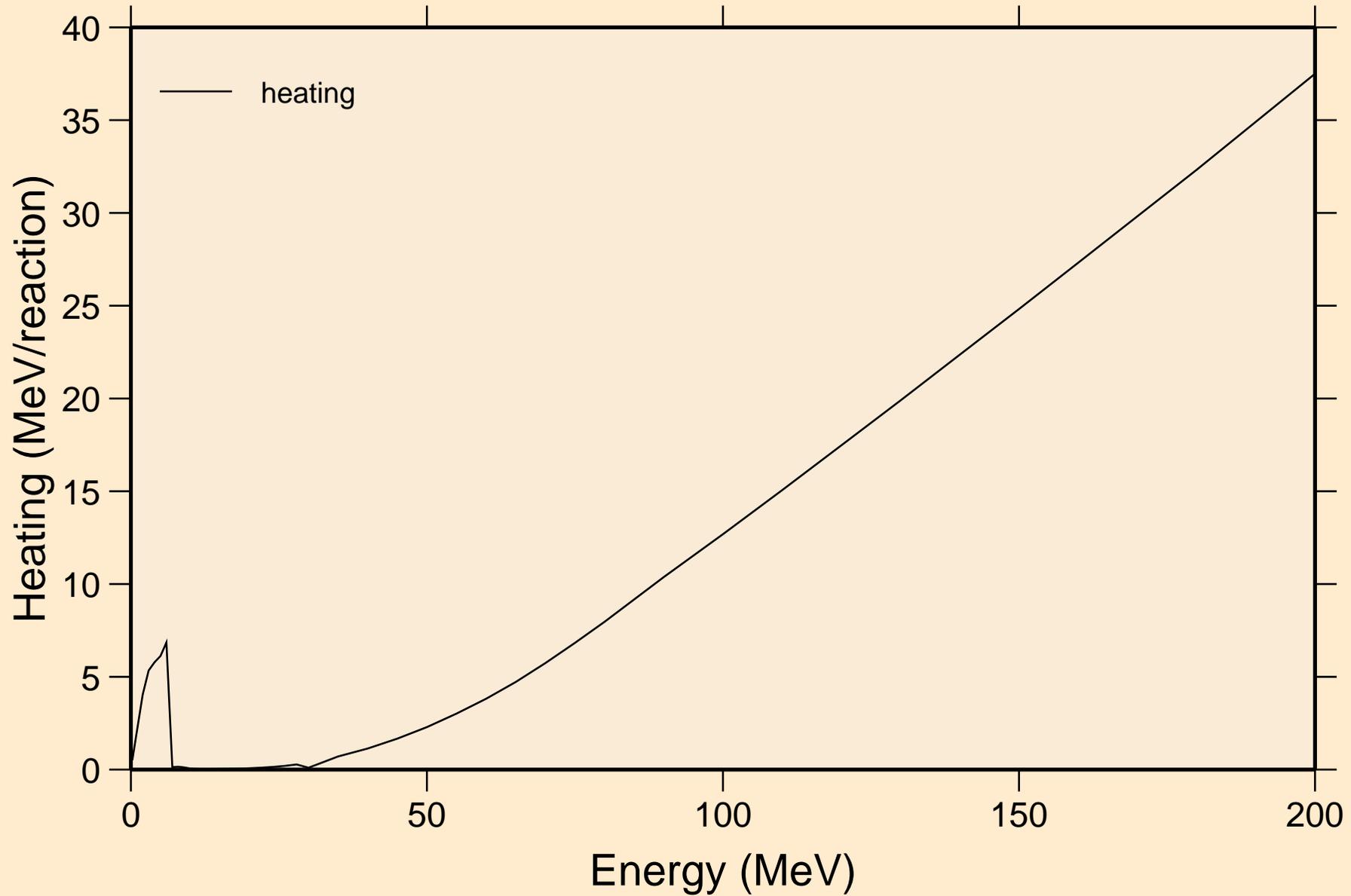- (g,n*0)
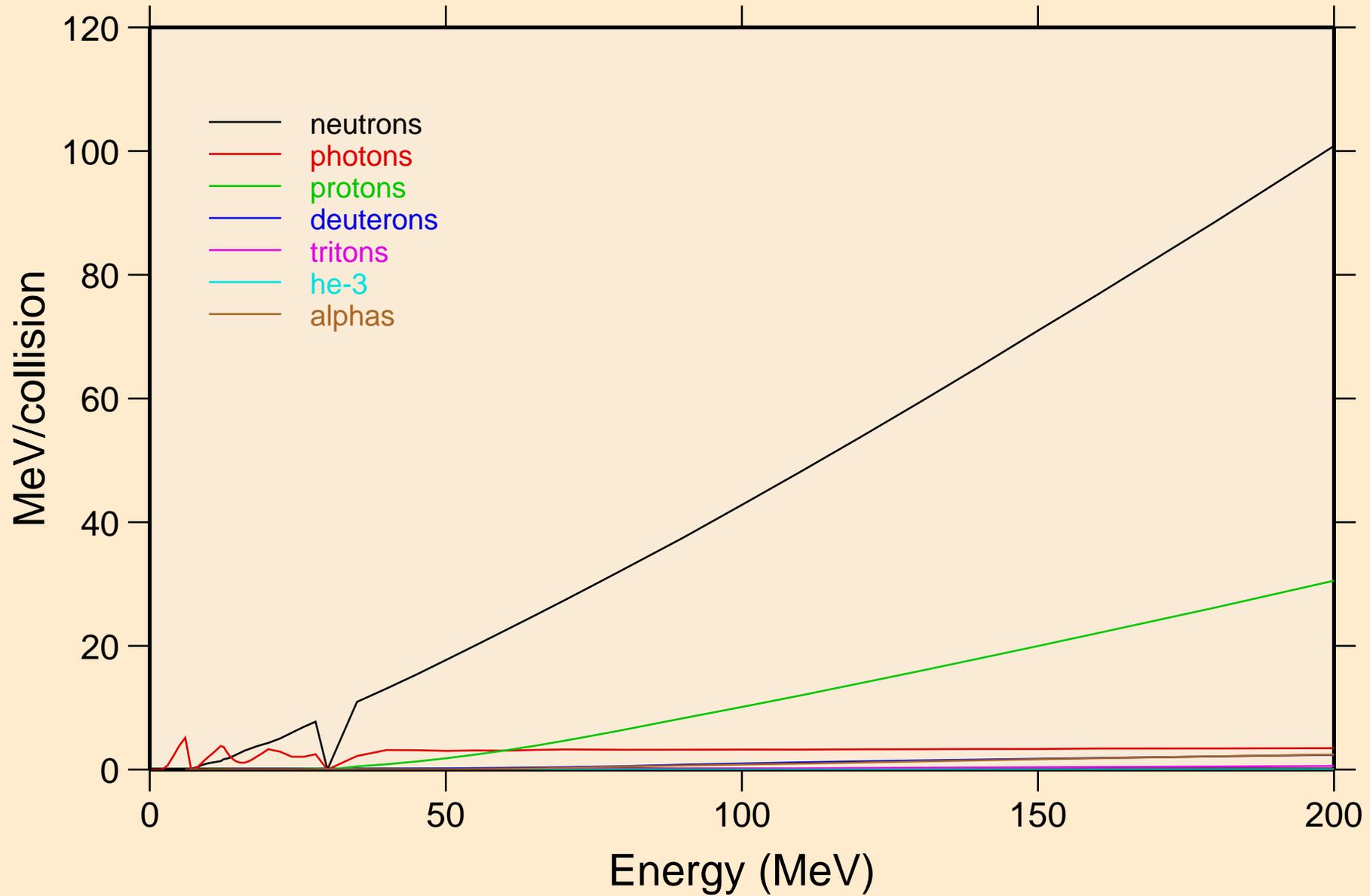- (g,n*1)
- (g,n*c)
- (g,gma)
- (g,p)
- (g,d)
- (g,t)
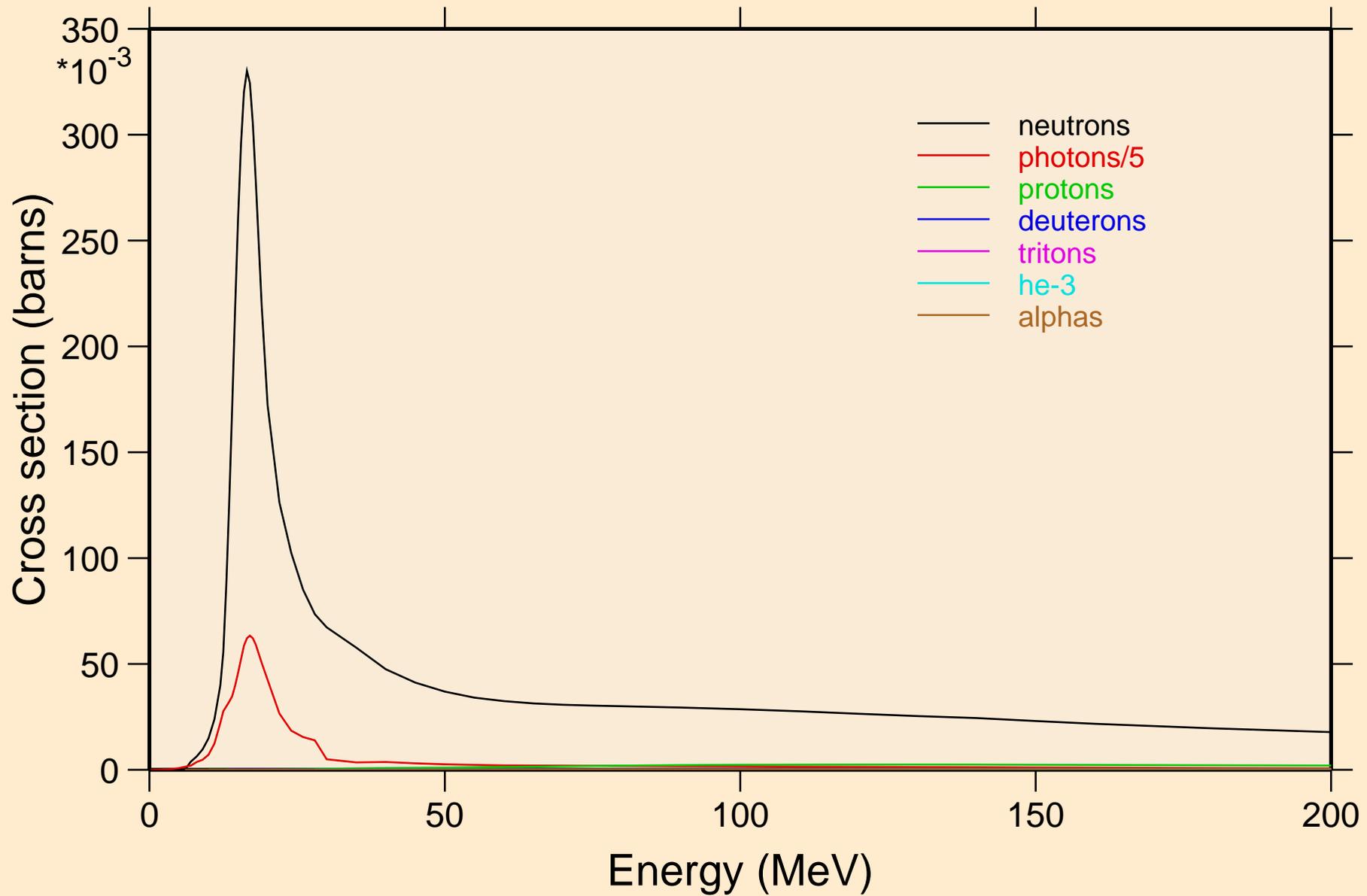- (g,a)
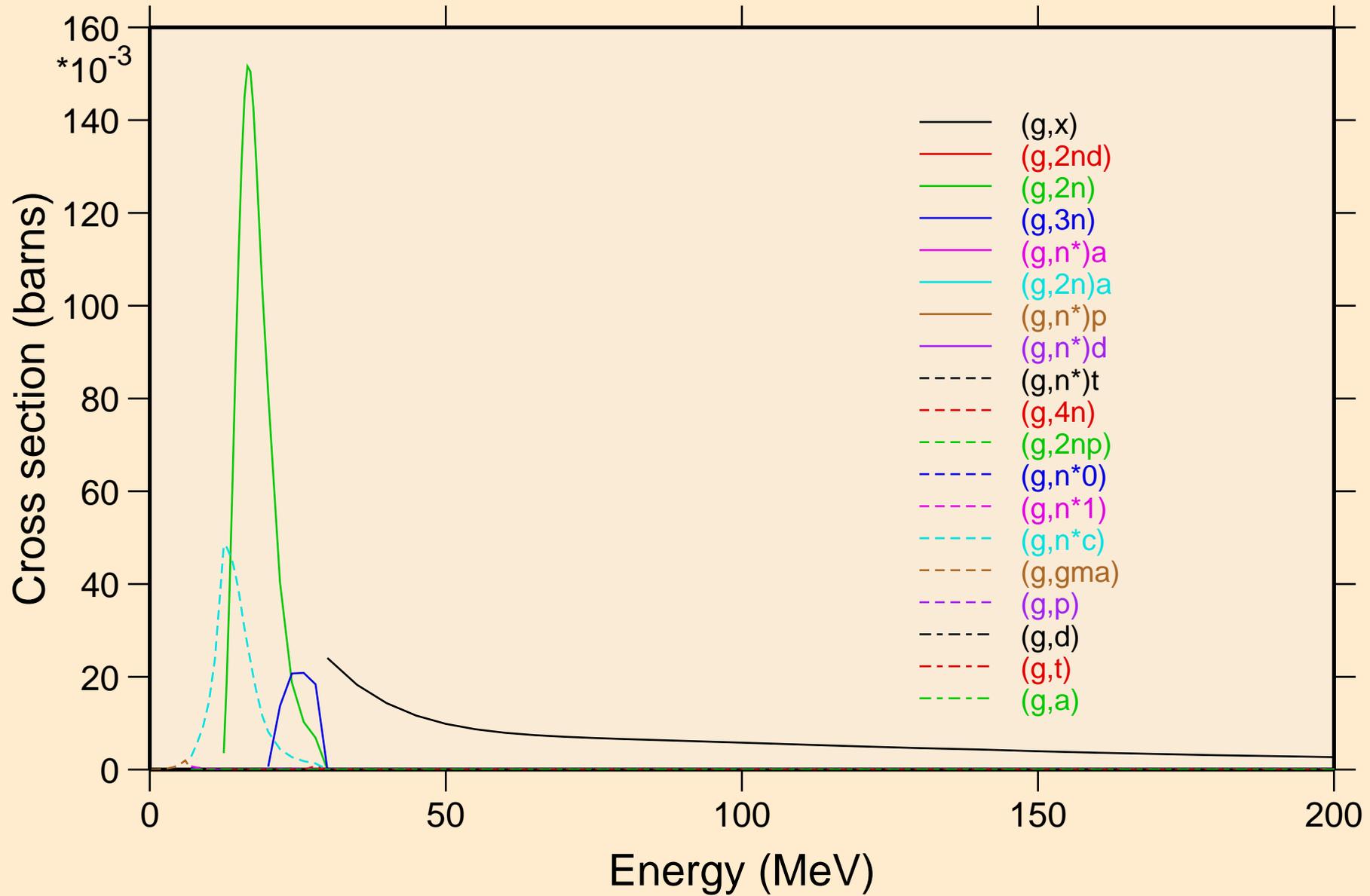
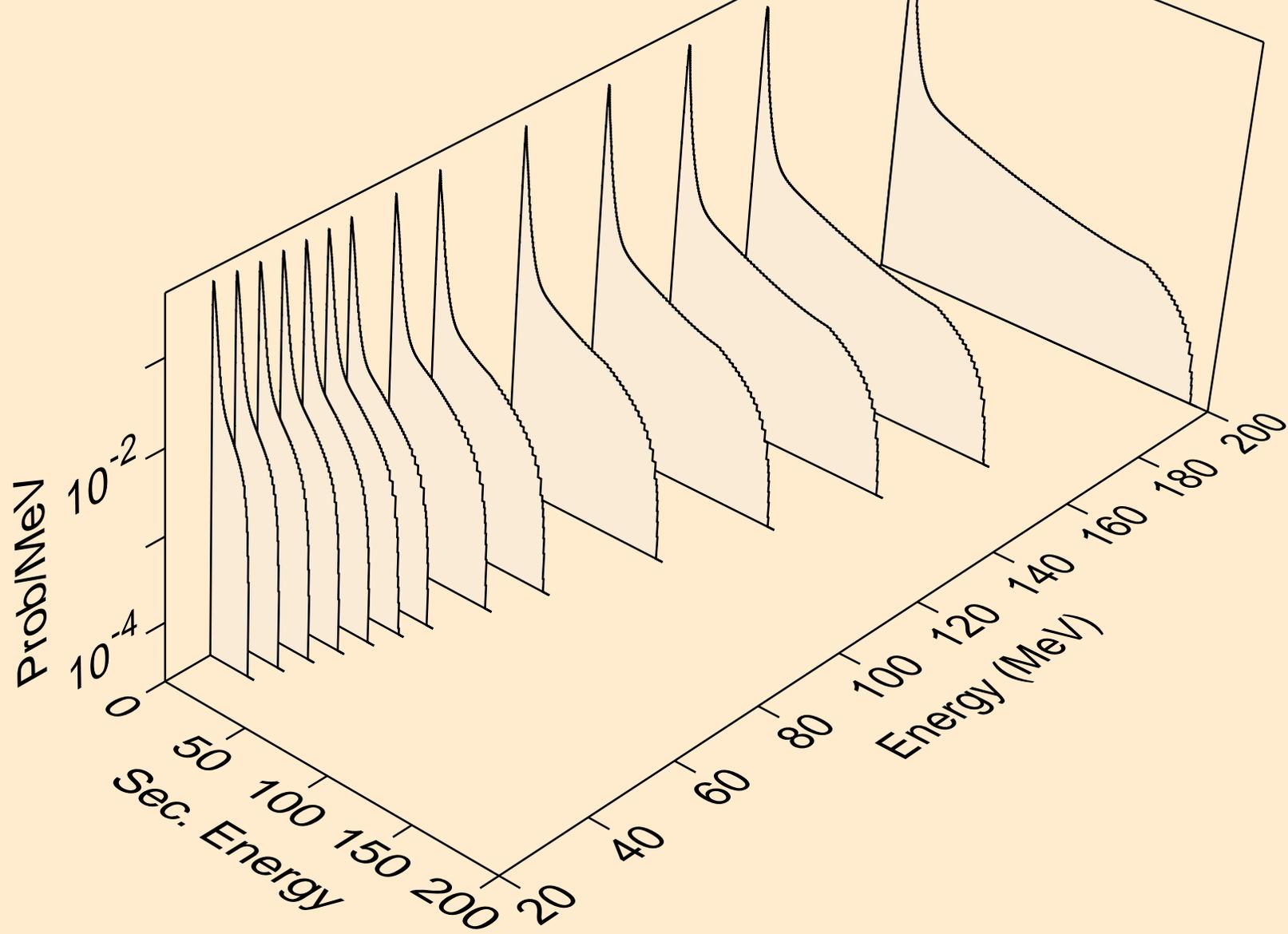RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Heating

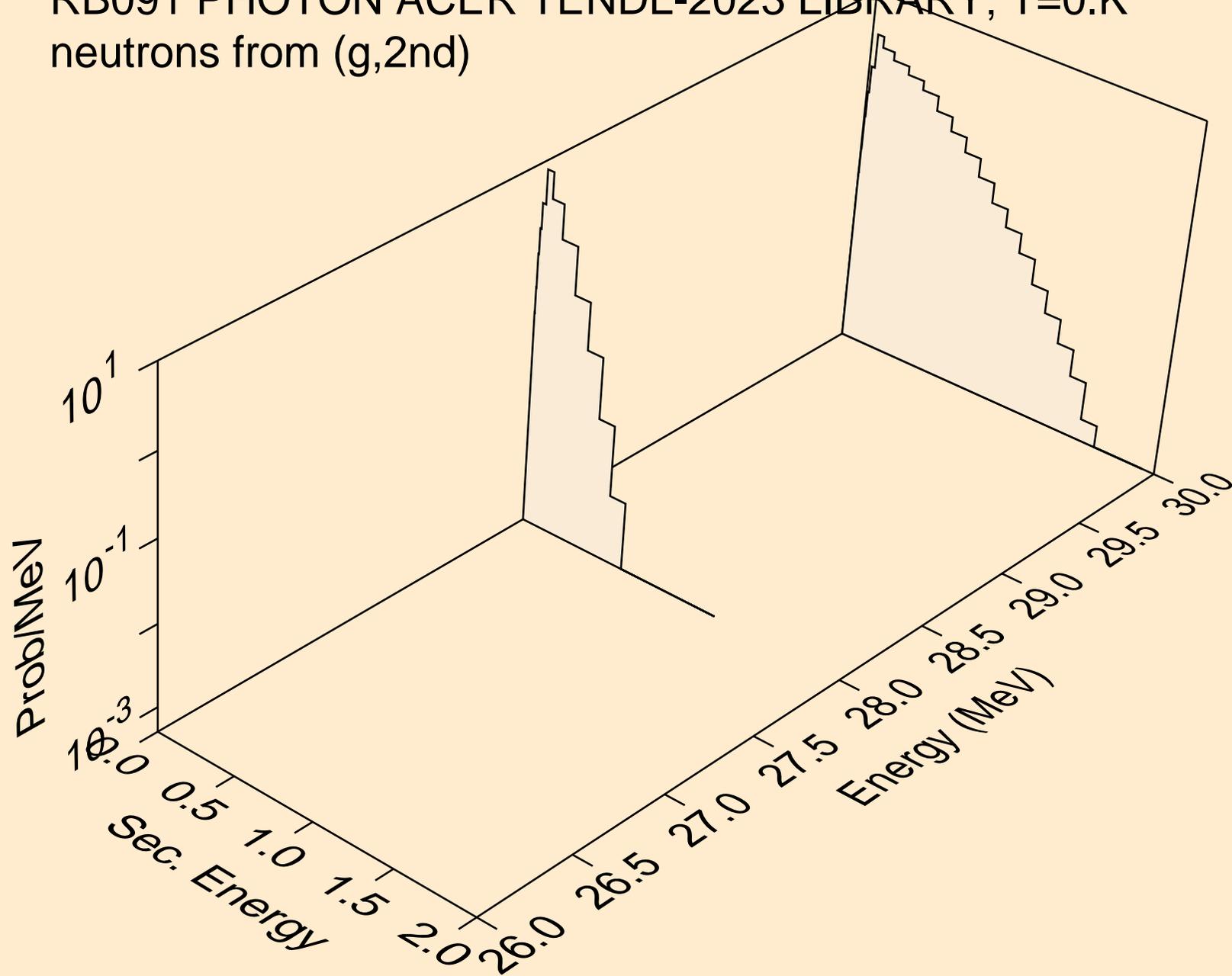RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections

Cross section (barns) vs Energy (MeV)

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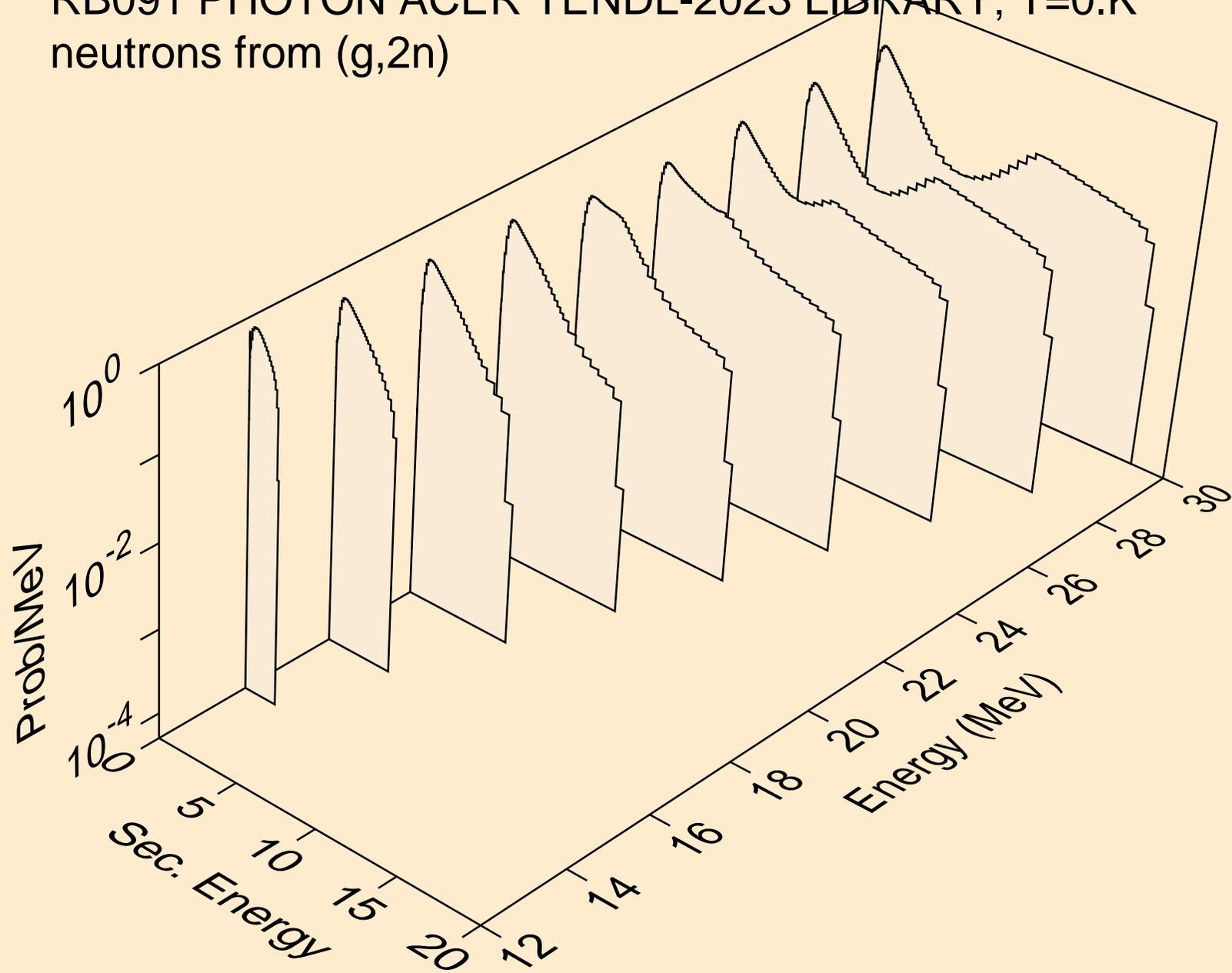- tritons
- he-3
- alphas

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
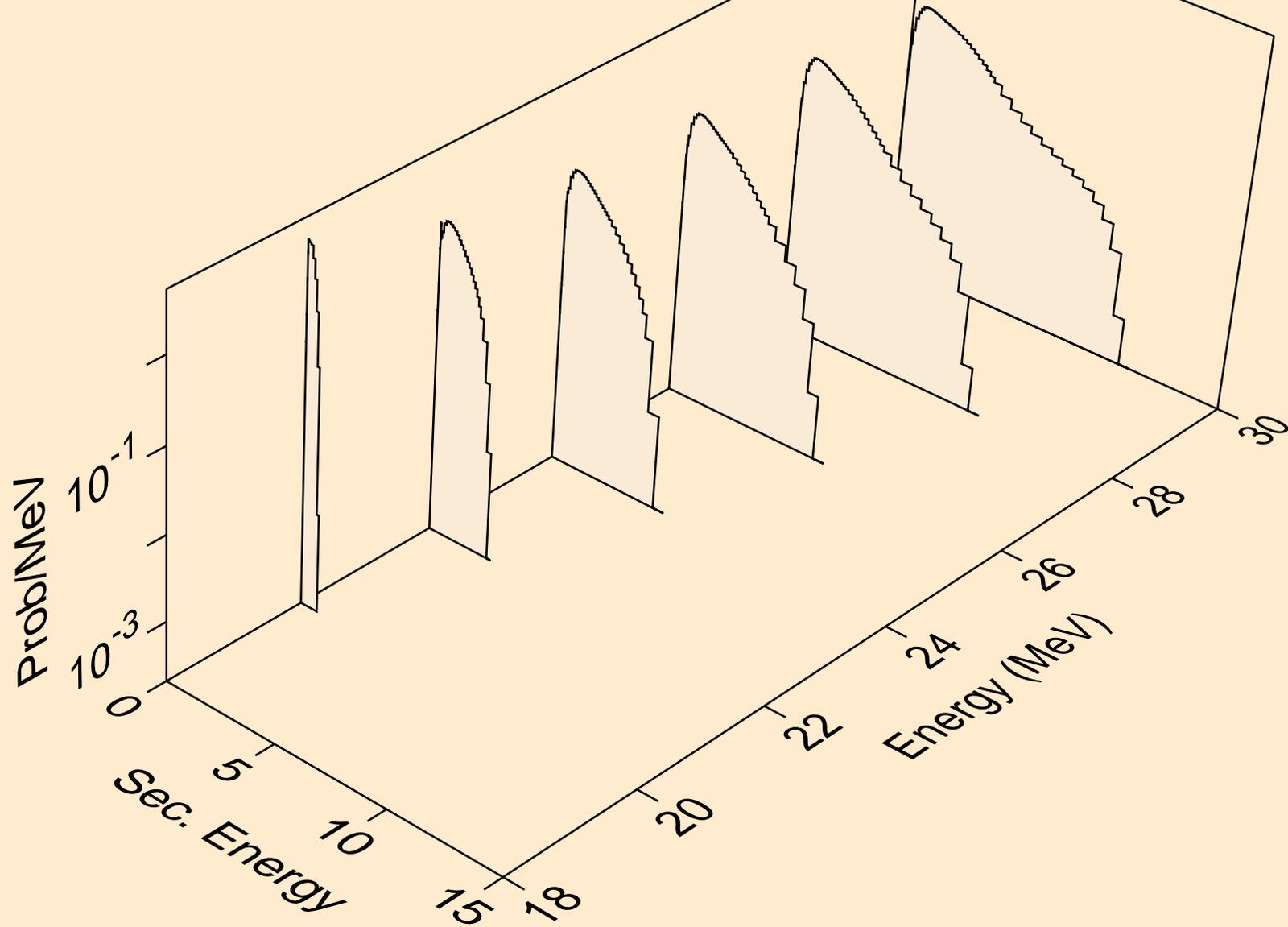neutrons from (g,x)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
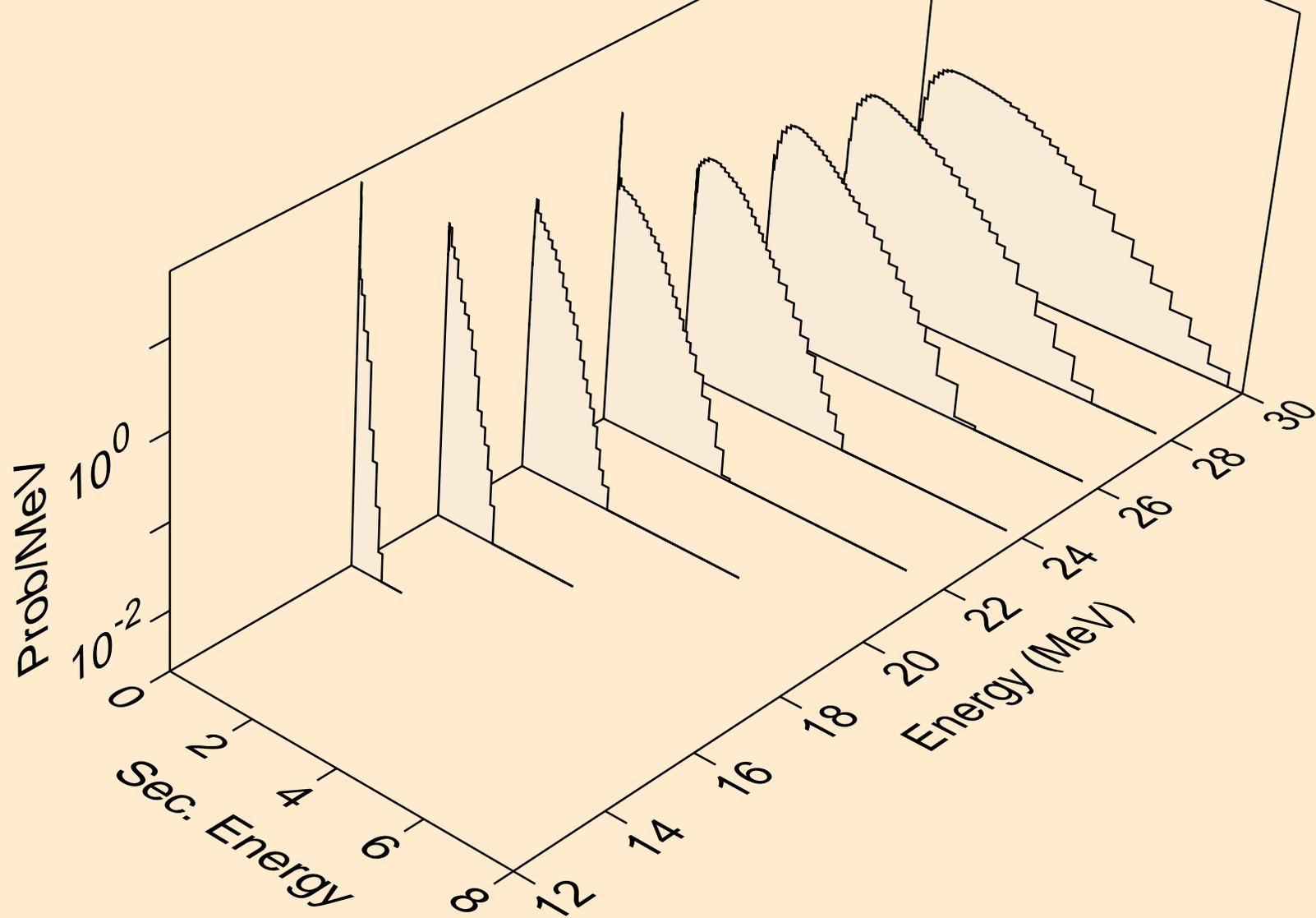neutrons from (g,2nd)

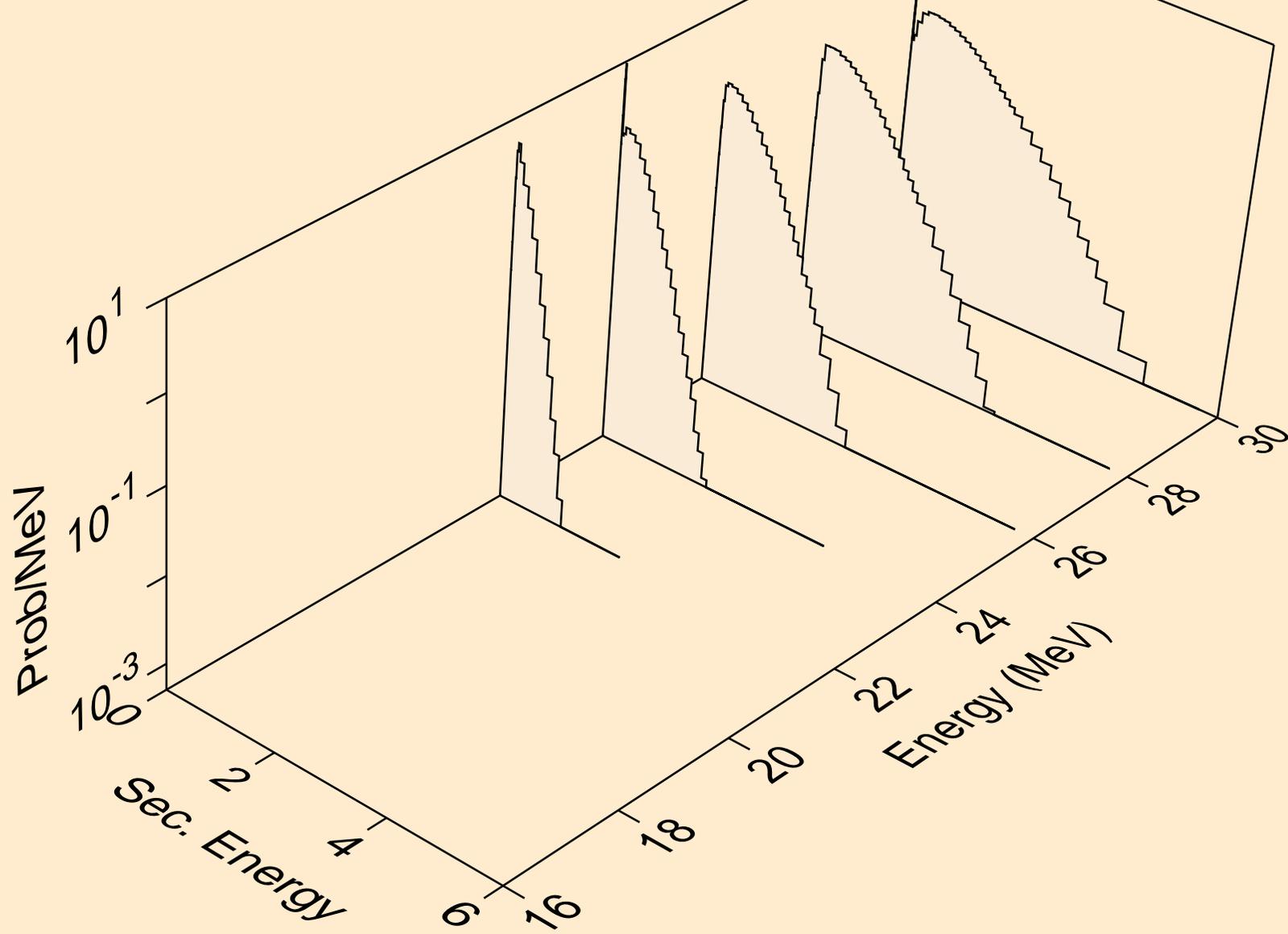RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2n)

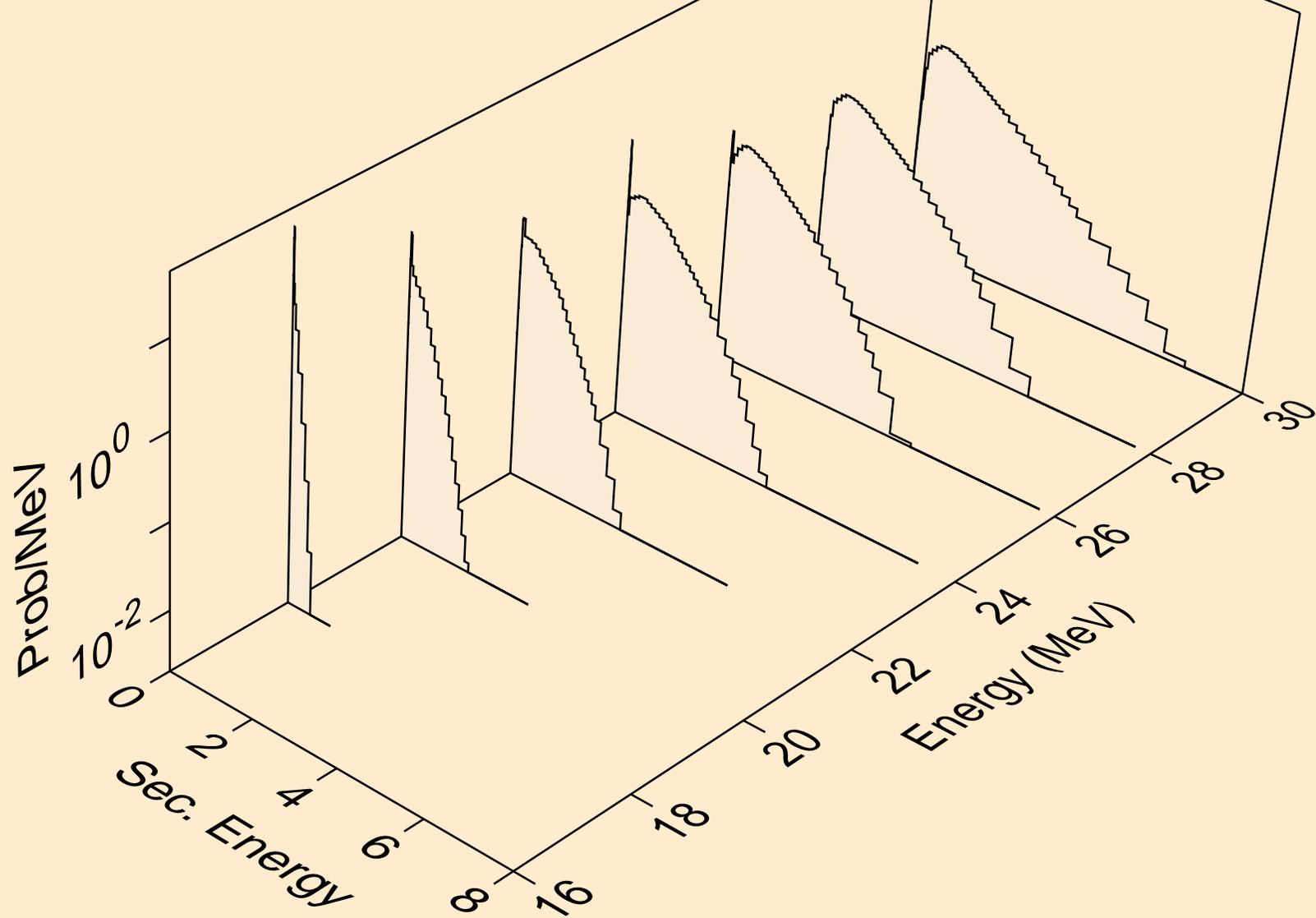RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,3n)

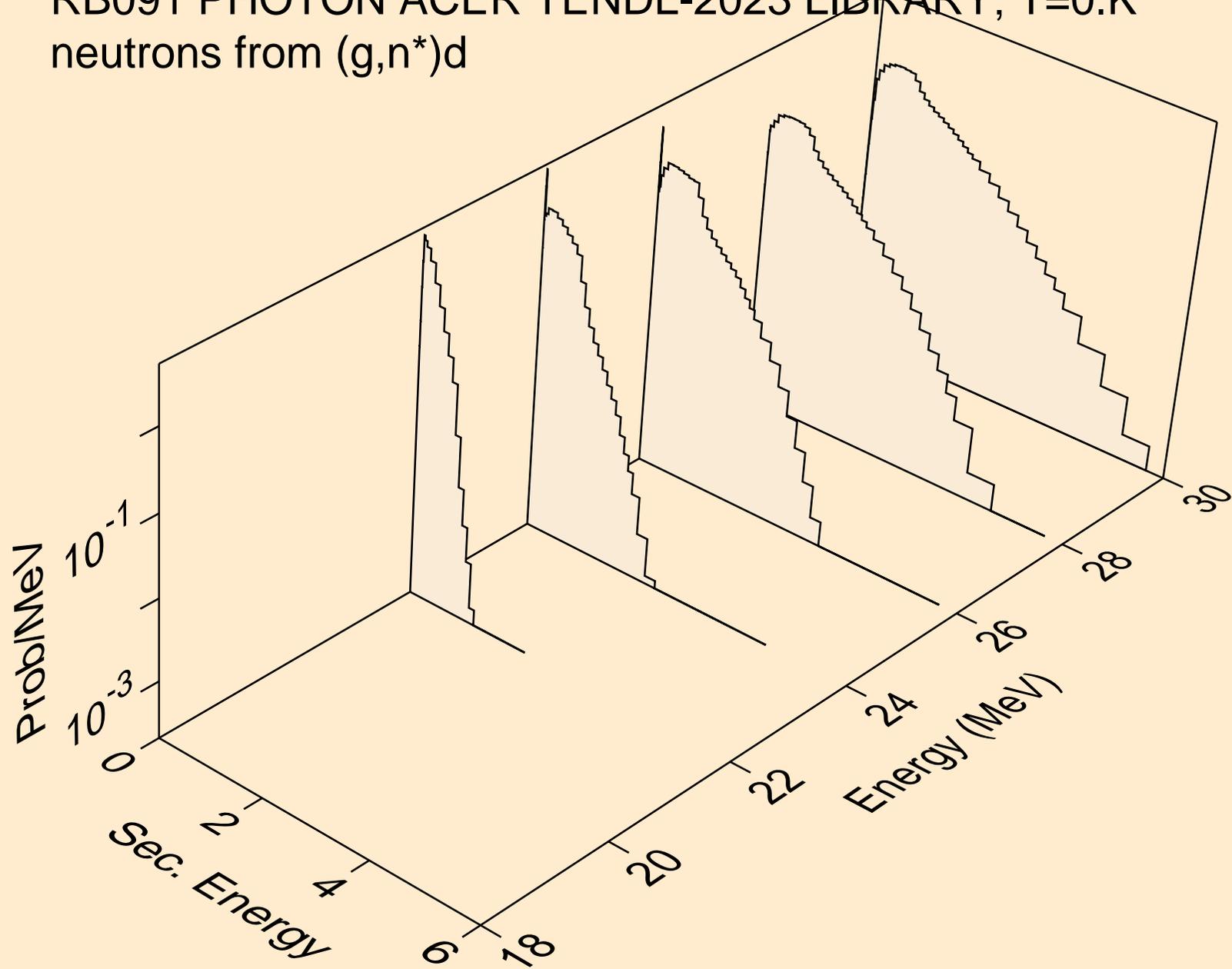RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)a

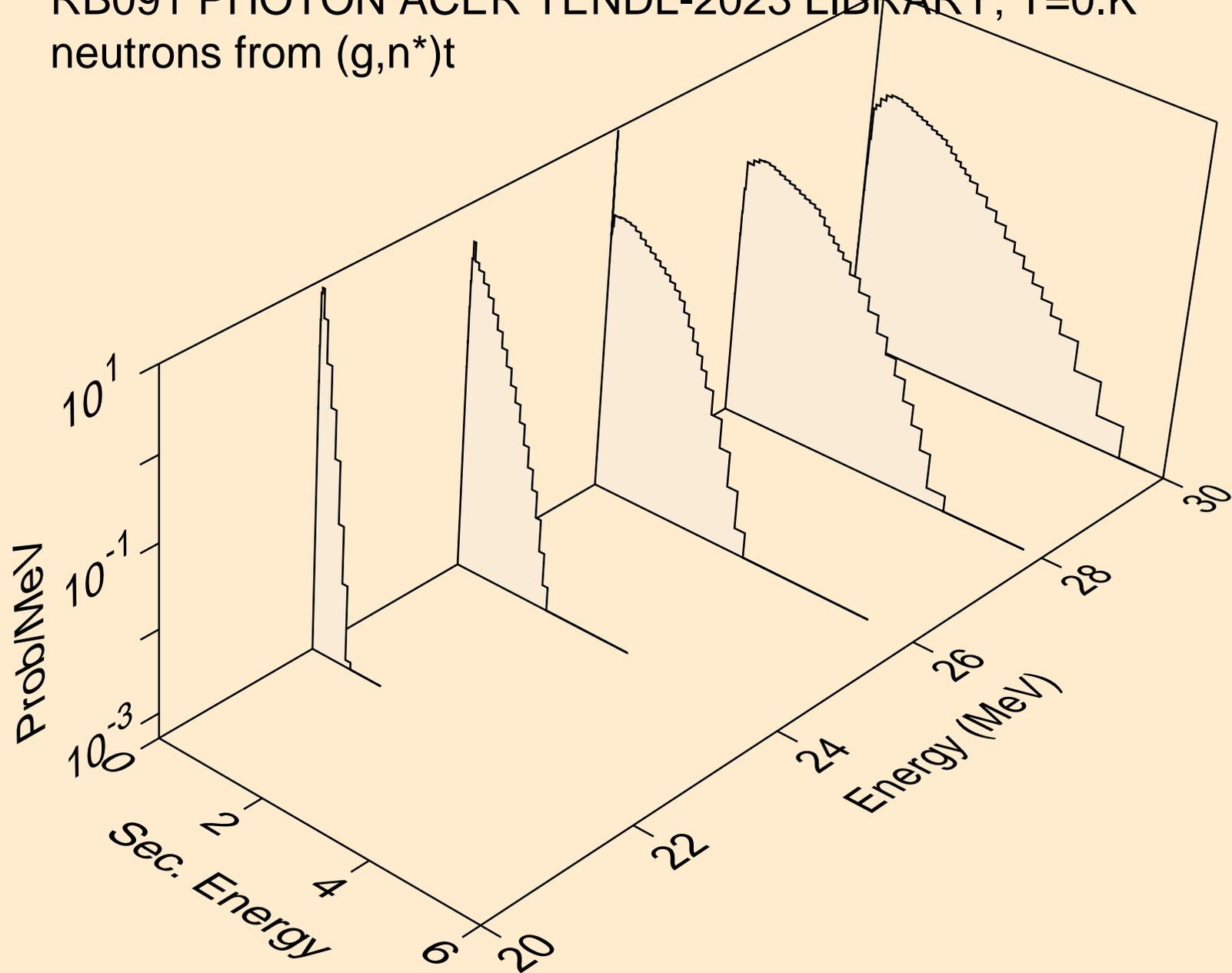RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2n)a

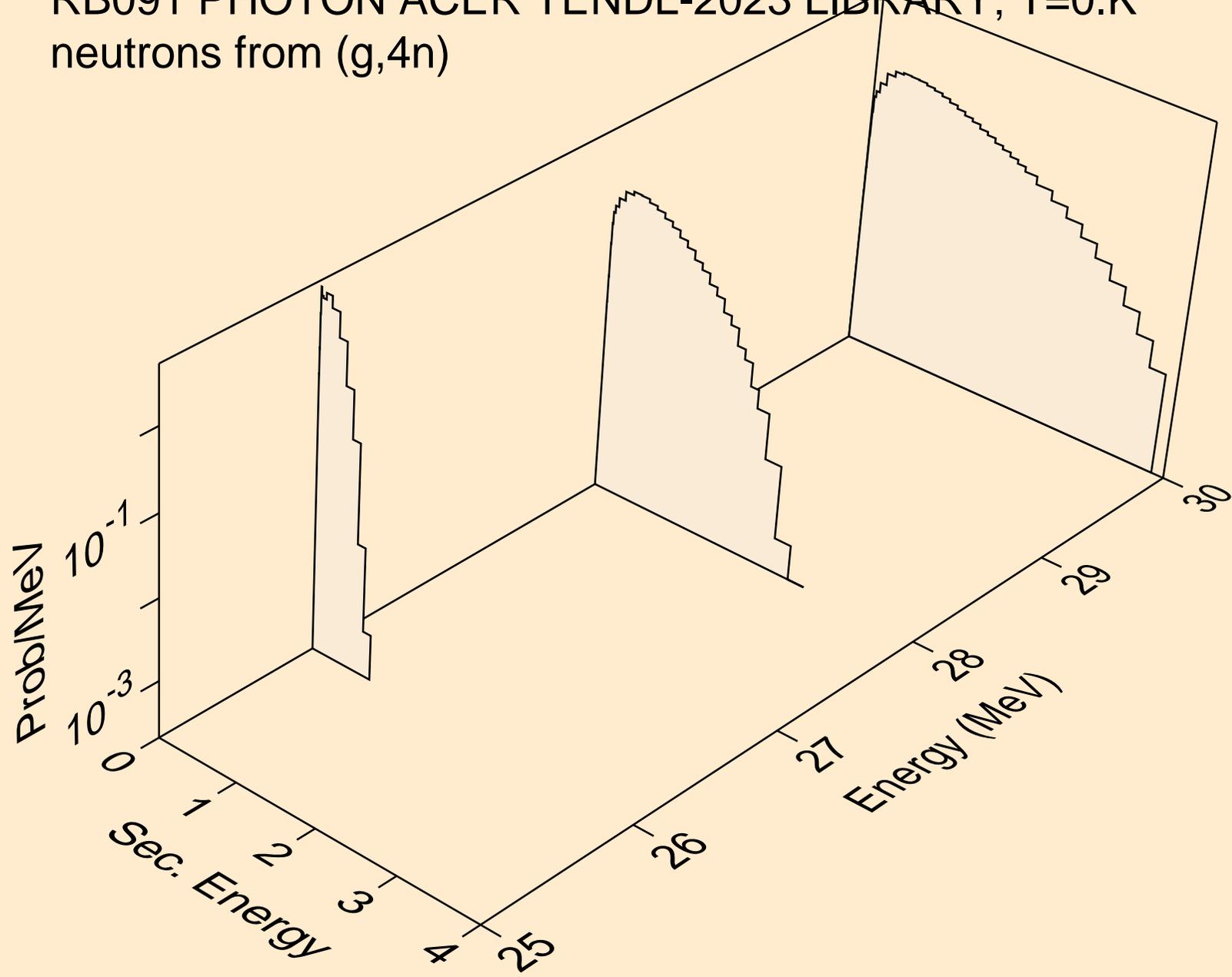RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)p

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)d

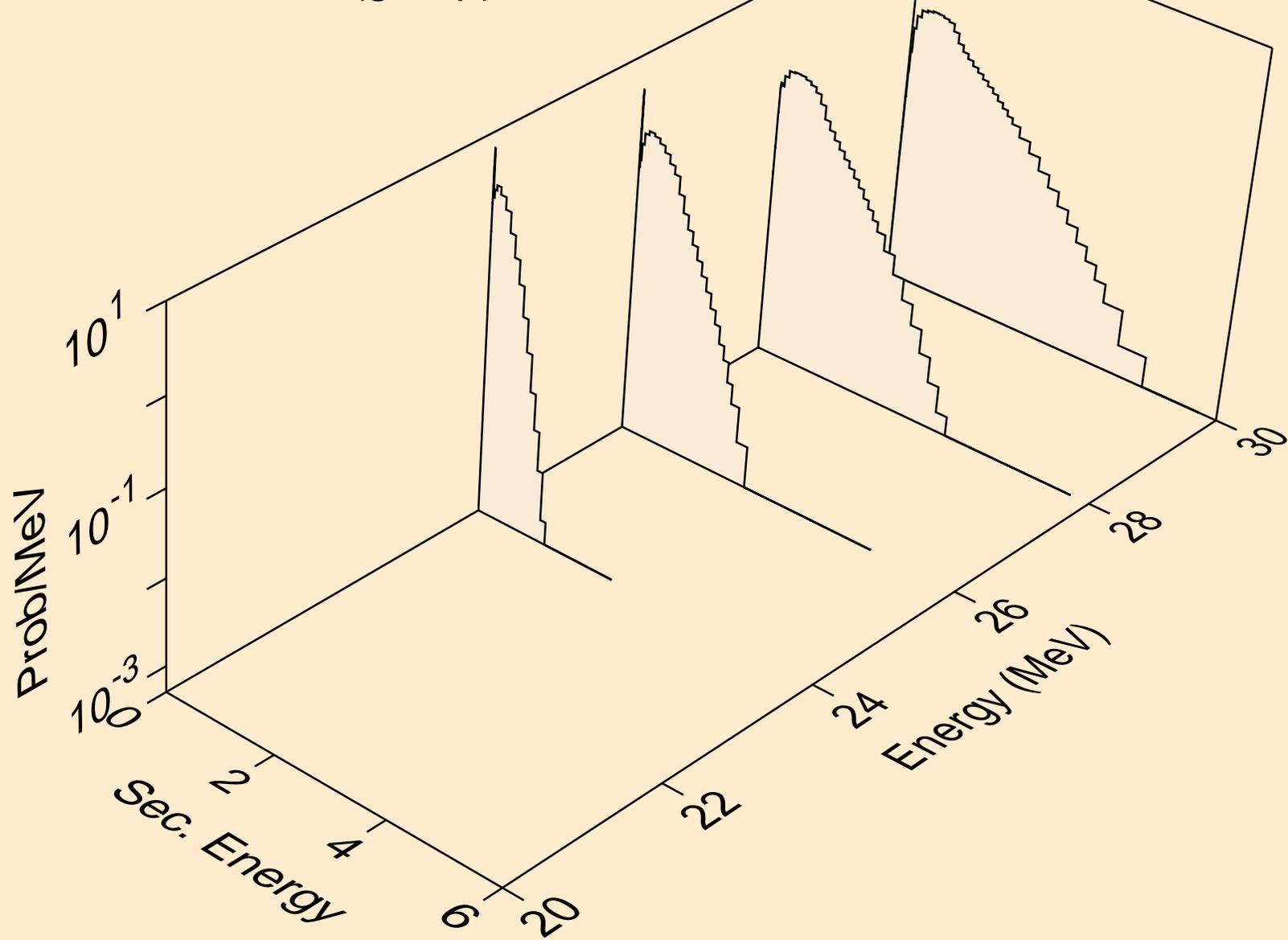Prob/MeV

10^{-1}

10^{-3}

Sec. Energy

Energy (MeV)

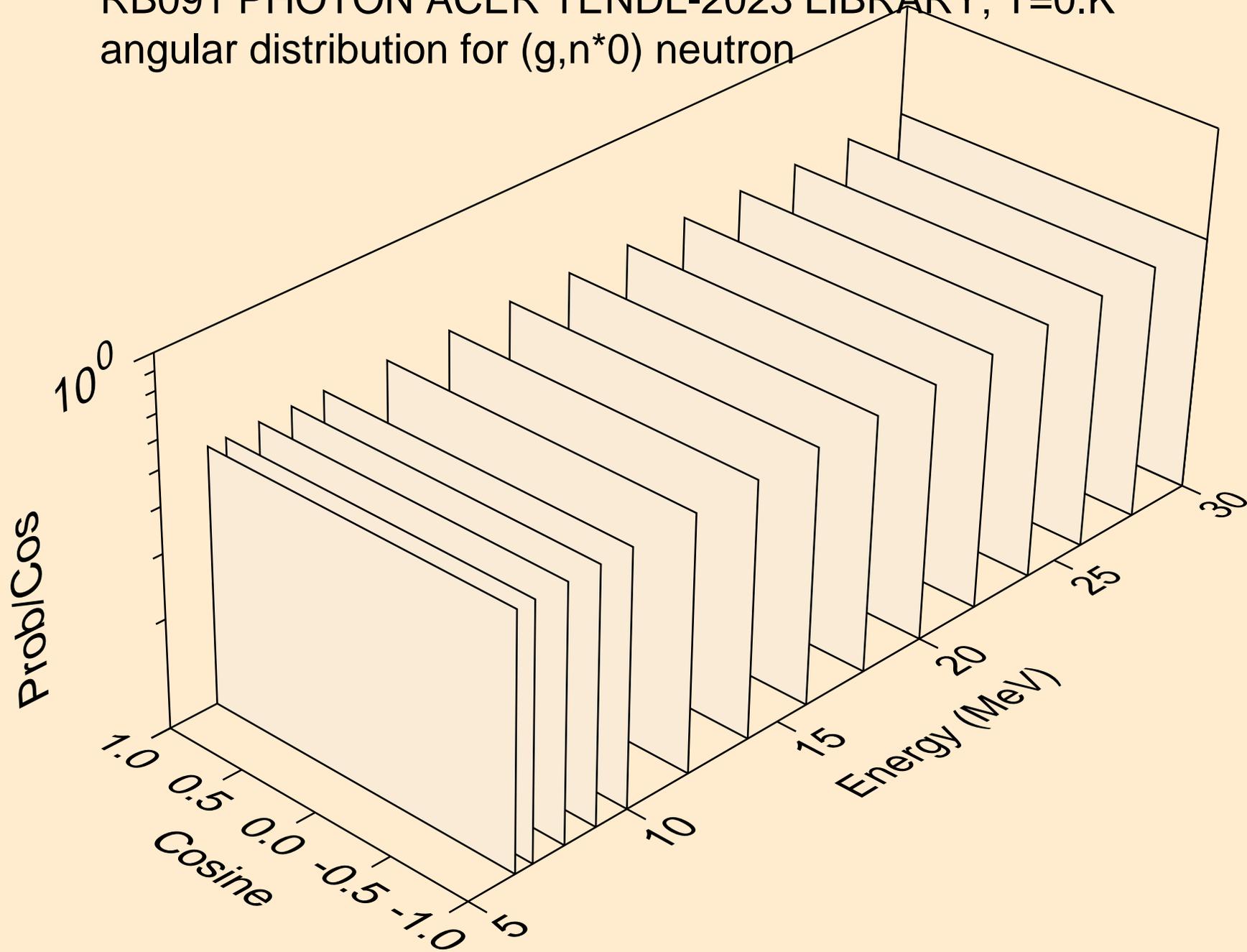RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)t

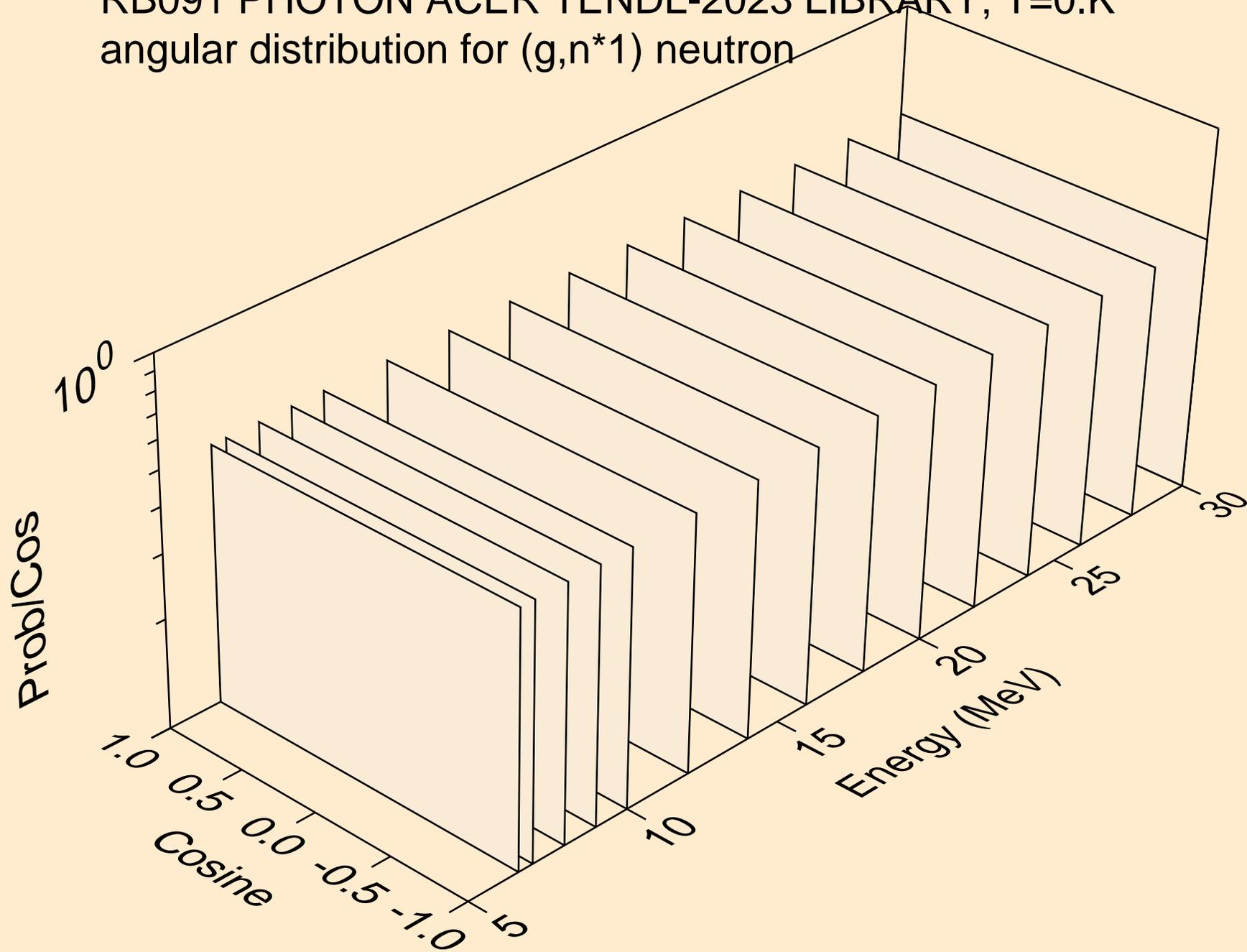RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,4n)

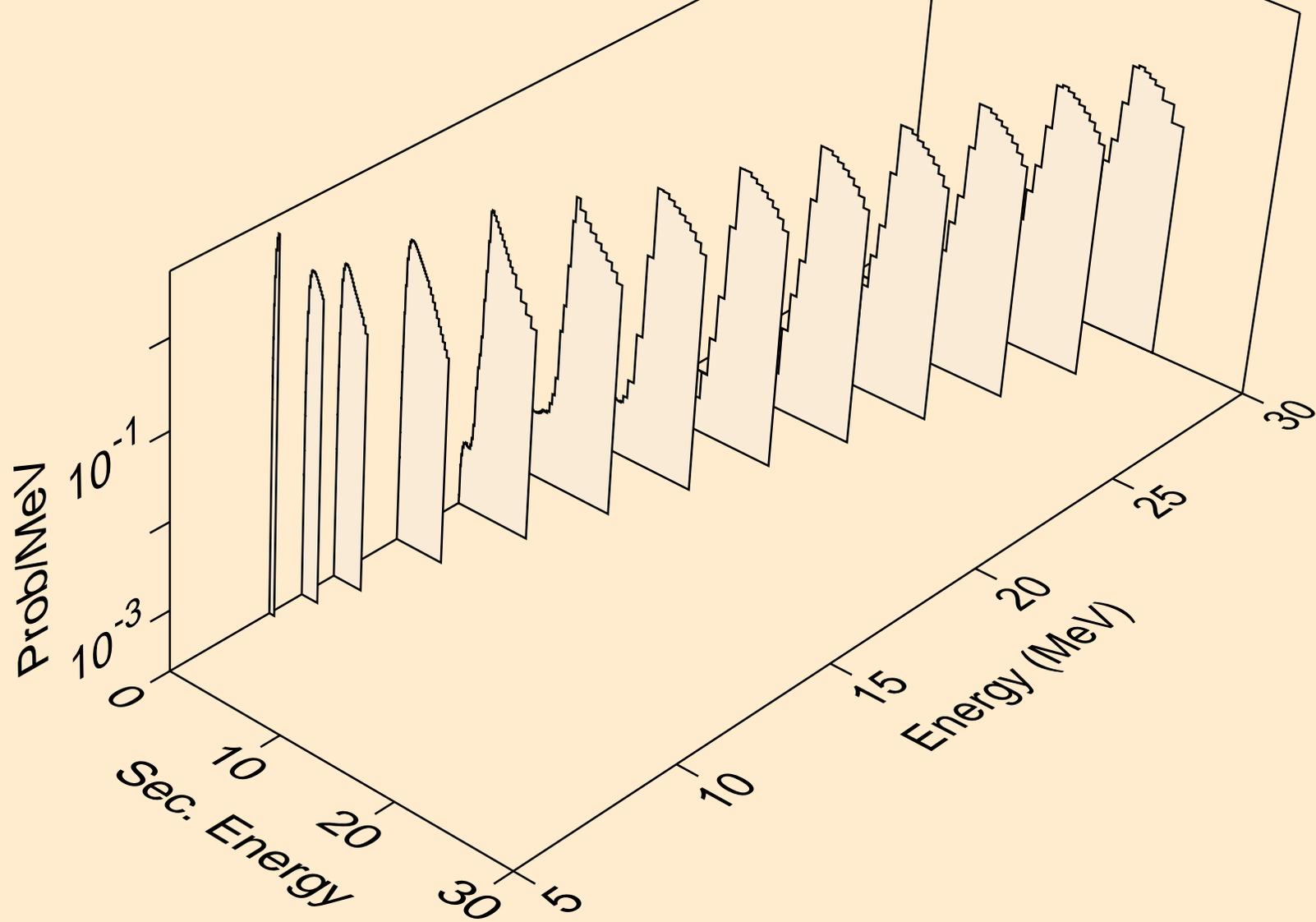RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2np)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
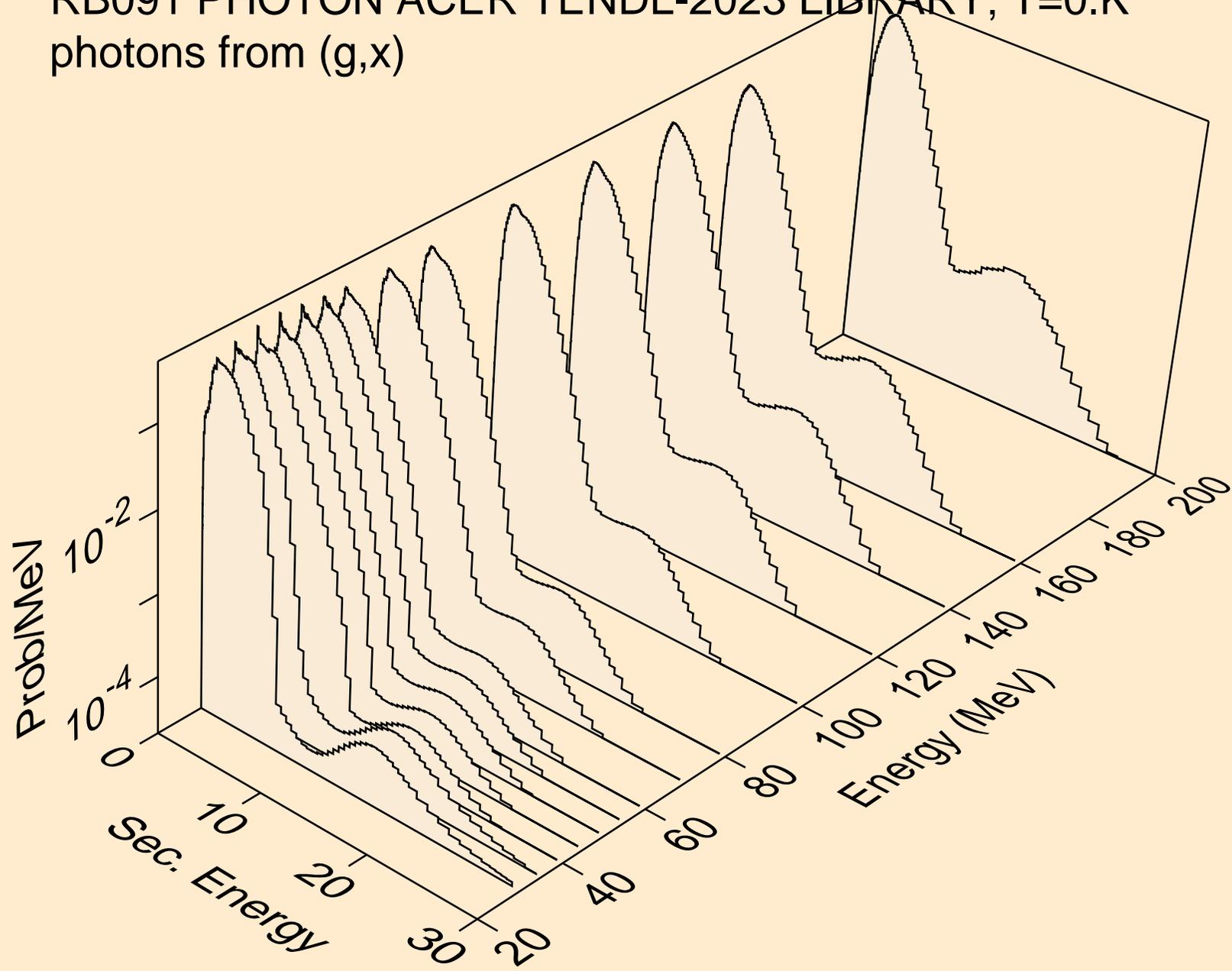angular distribution for (g,n*0) neutron

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (g,n*1) neutron

ProbICos

Cosine

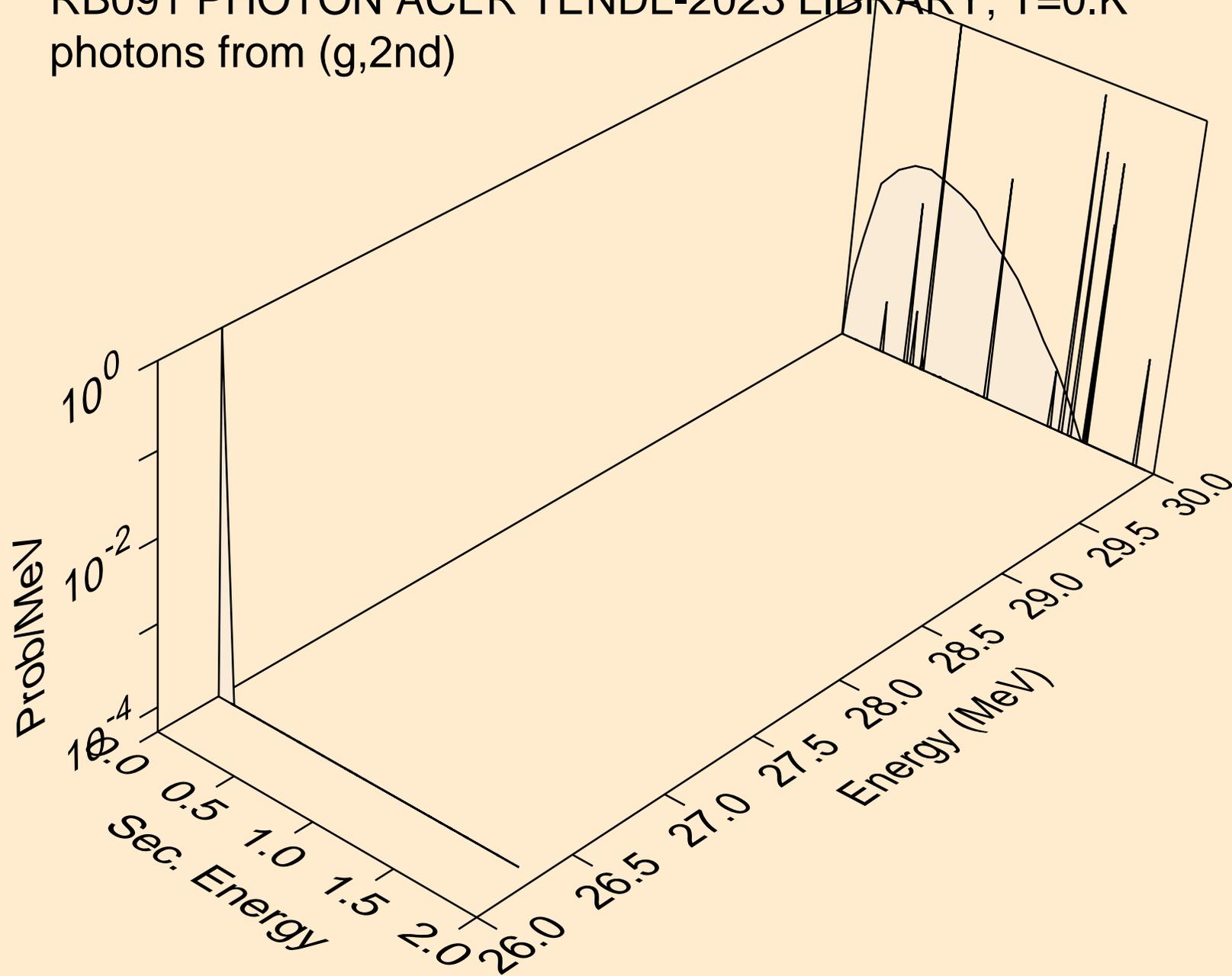Energy (MeV)
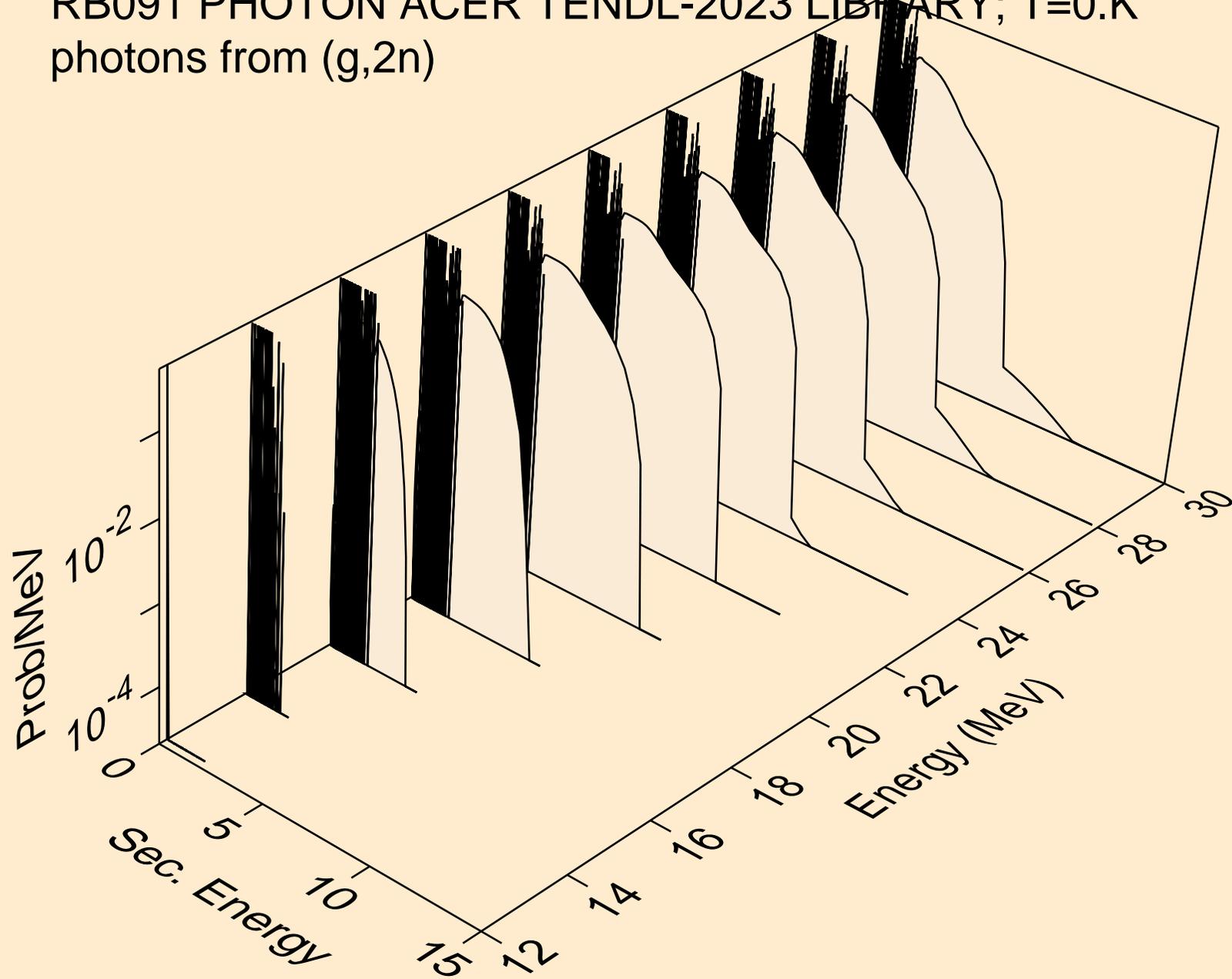
10^0

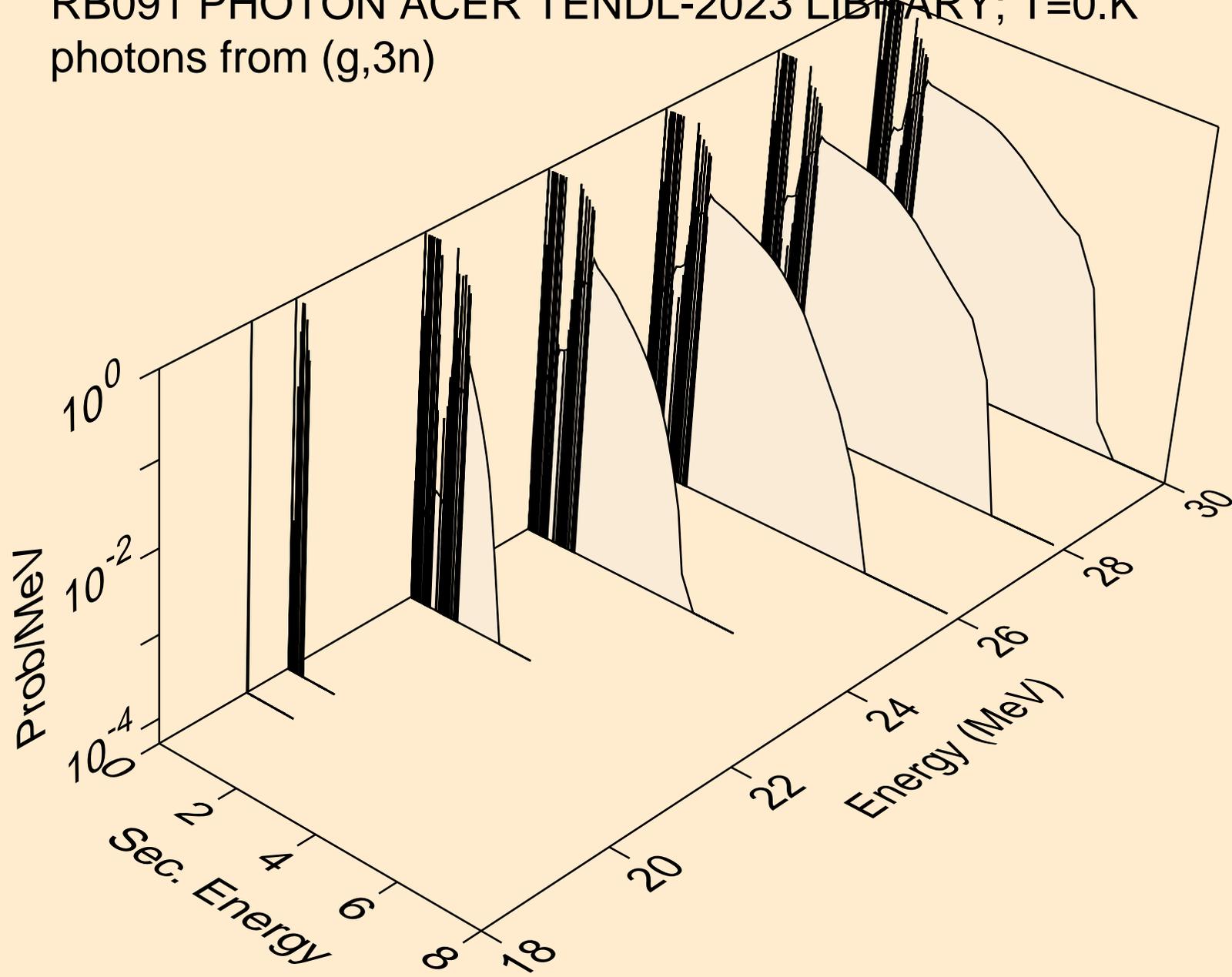1.0 0.5 0.0 -0.5 -1.0

5 10 15 20 25 30

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*c)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,x)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2nd)

ProbIMeV

10^0

10^{-2}

10^{-4}

Sec. Energy

0.0 0.5 1.0 1.5 2.0

26.0 26.5 27.0 27.5 28.0 28.5 29.0 29.5 30.0
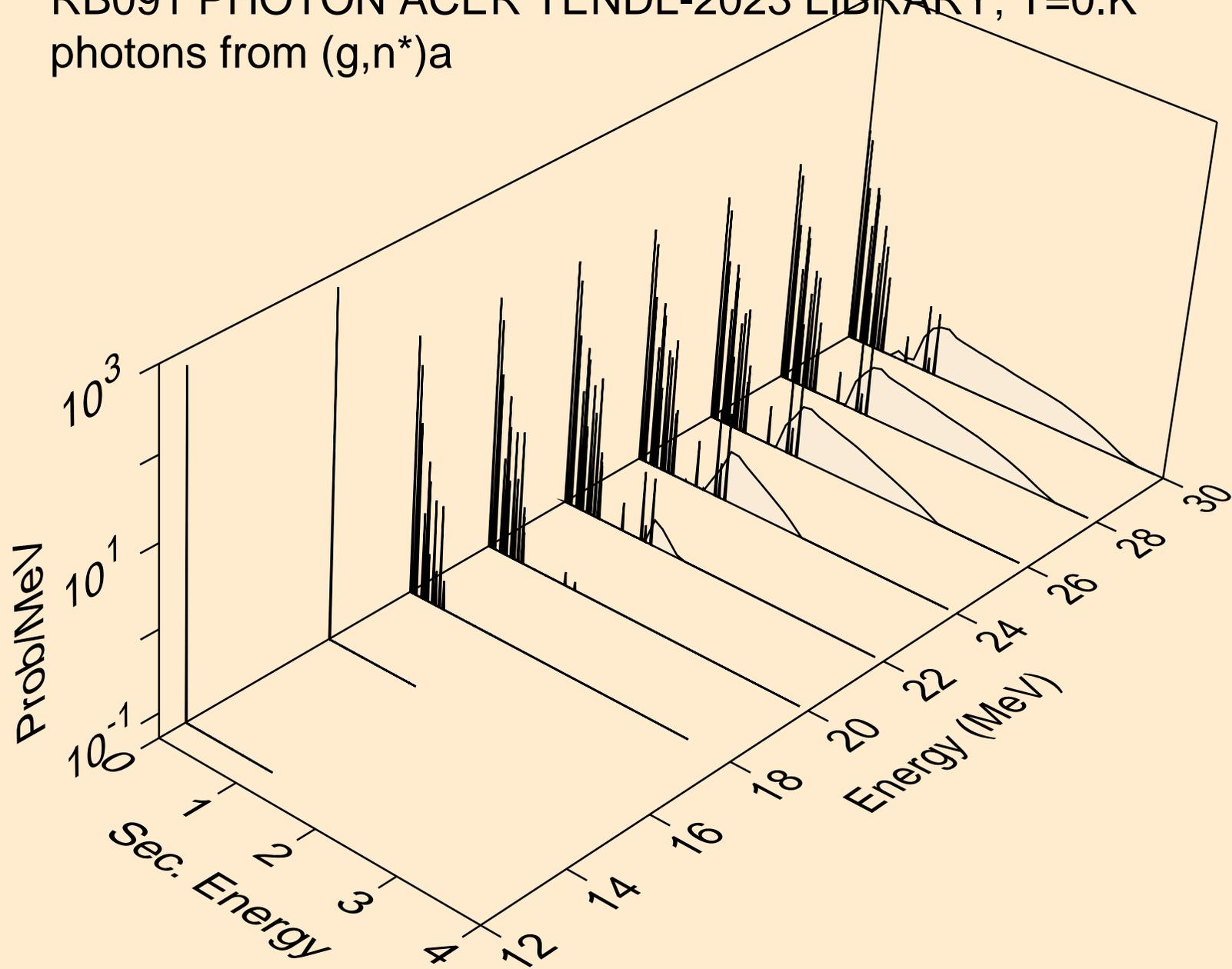
Energy (MeV)

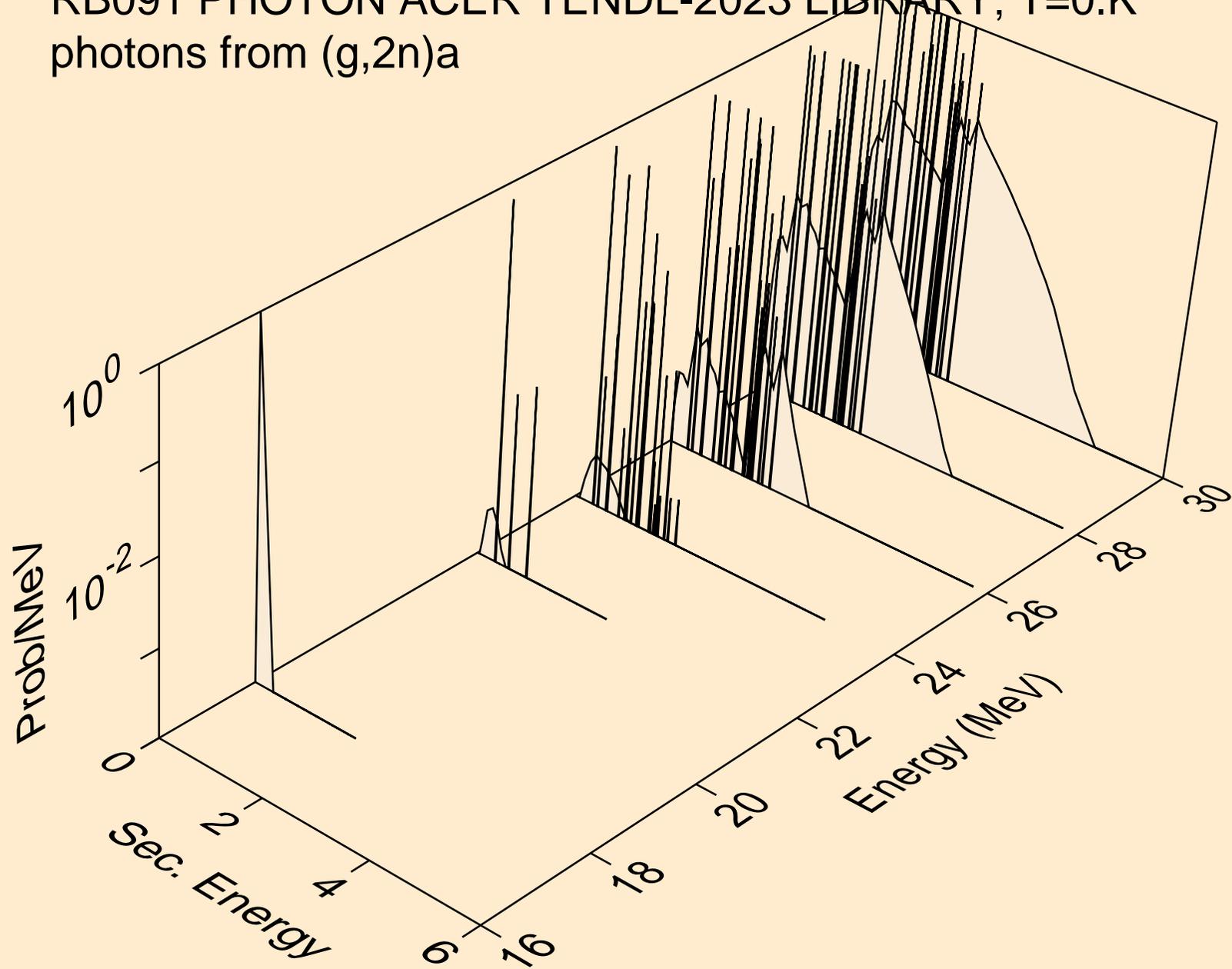RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2n)

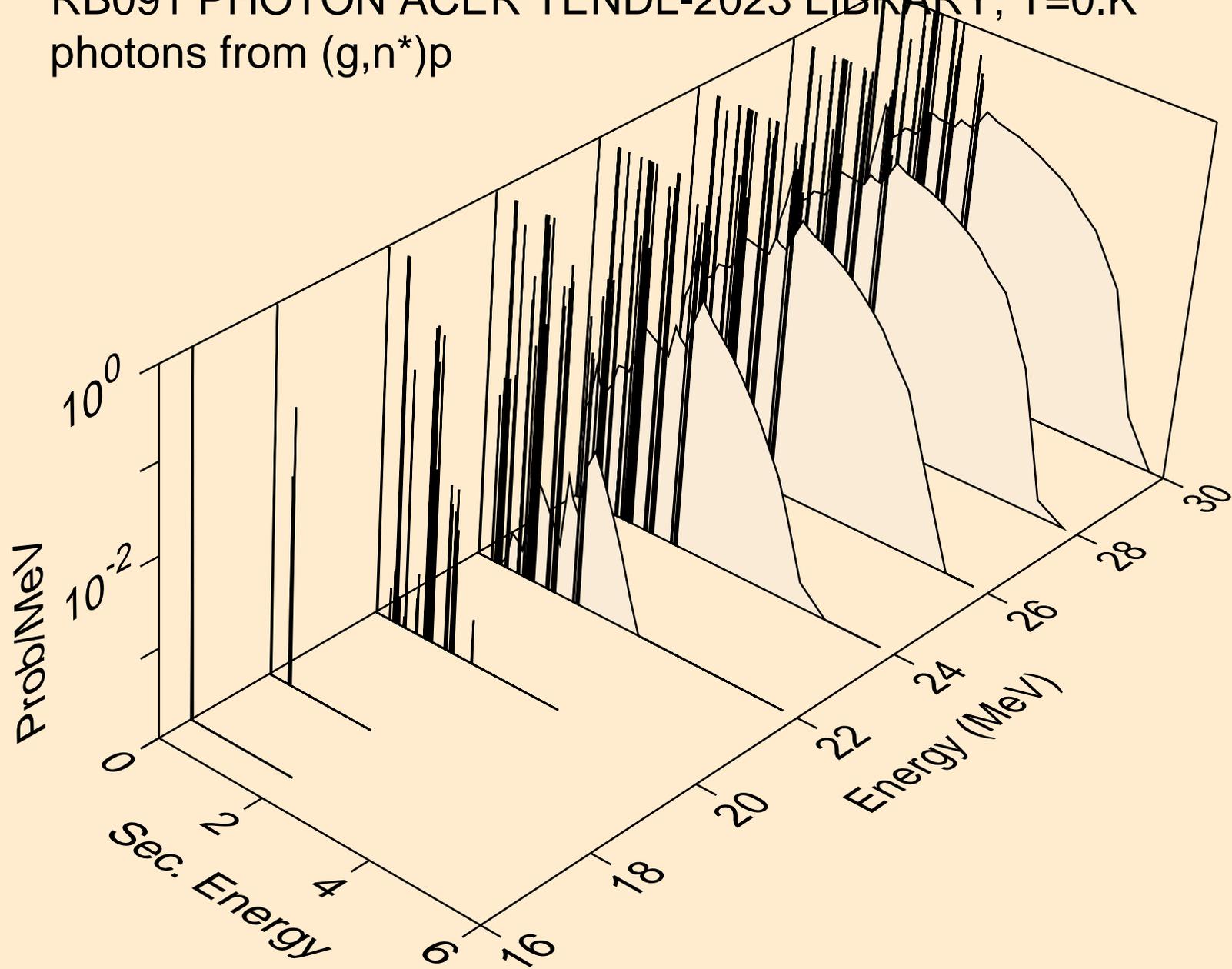RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,3n)

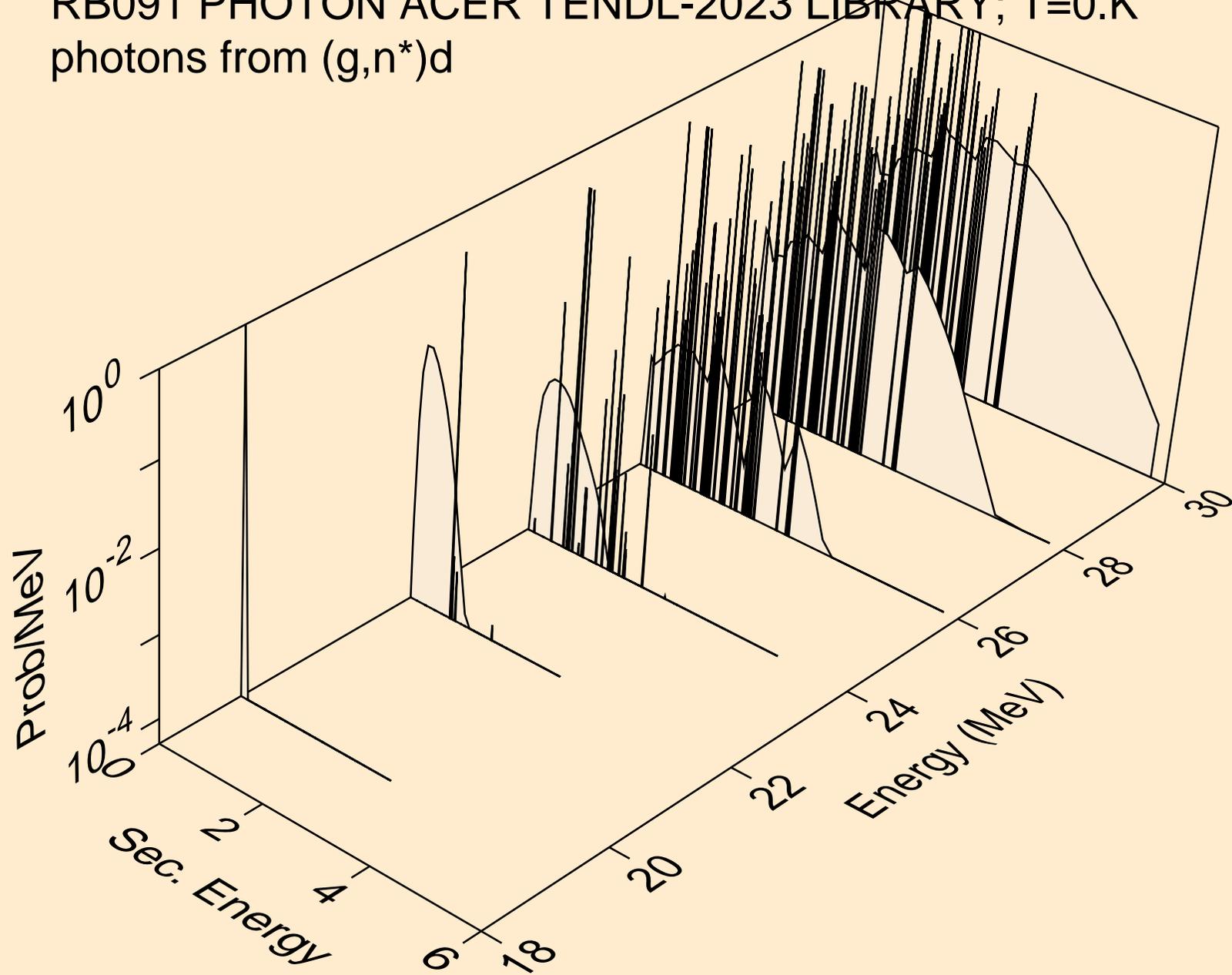RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)a

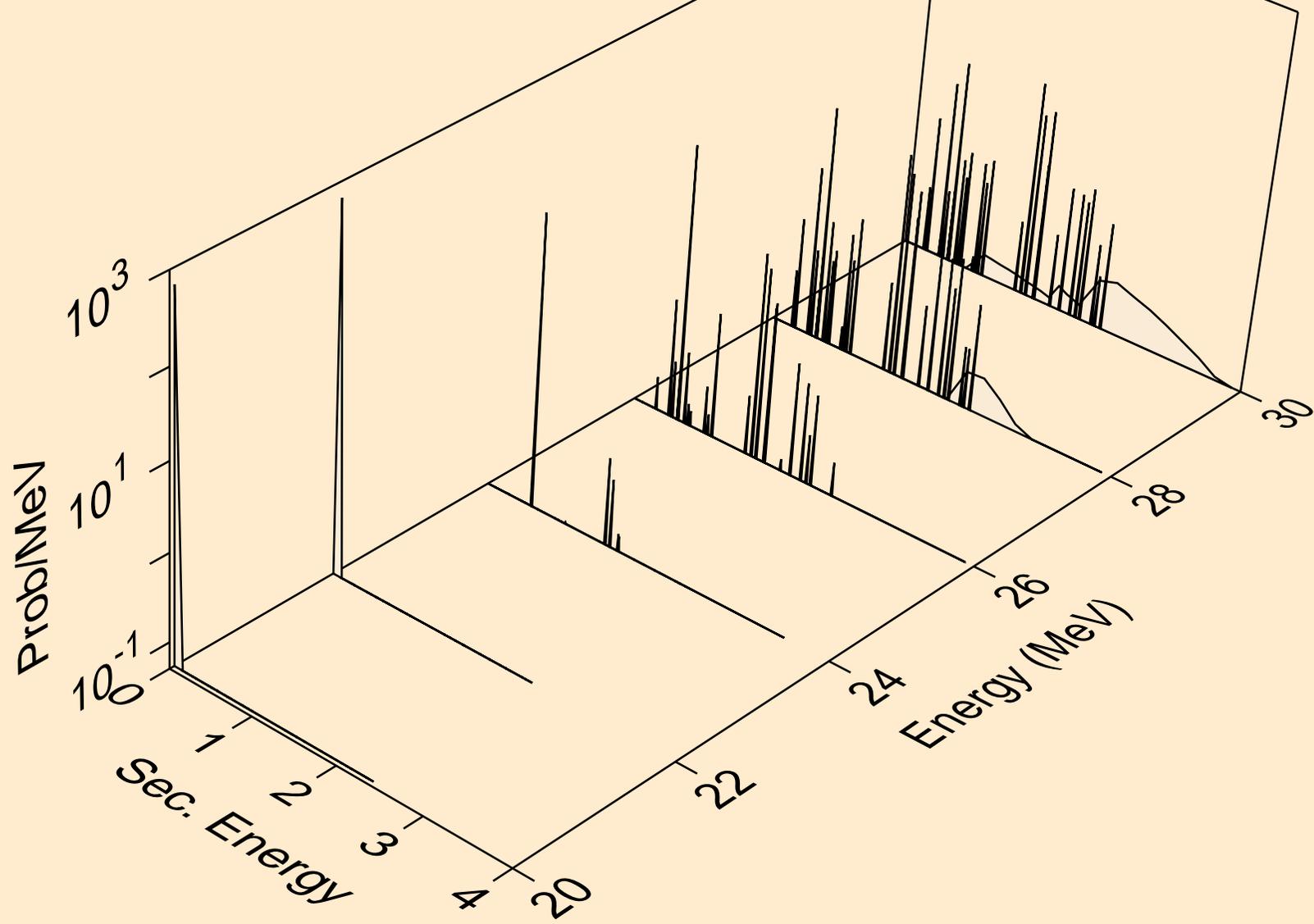RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2n)a

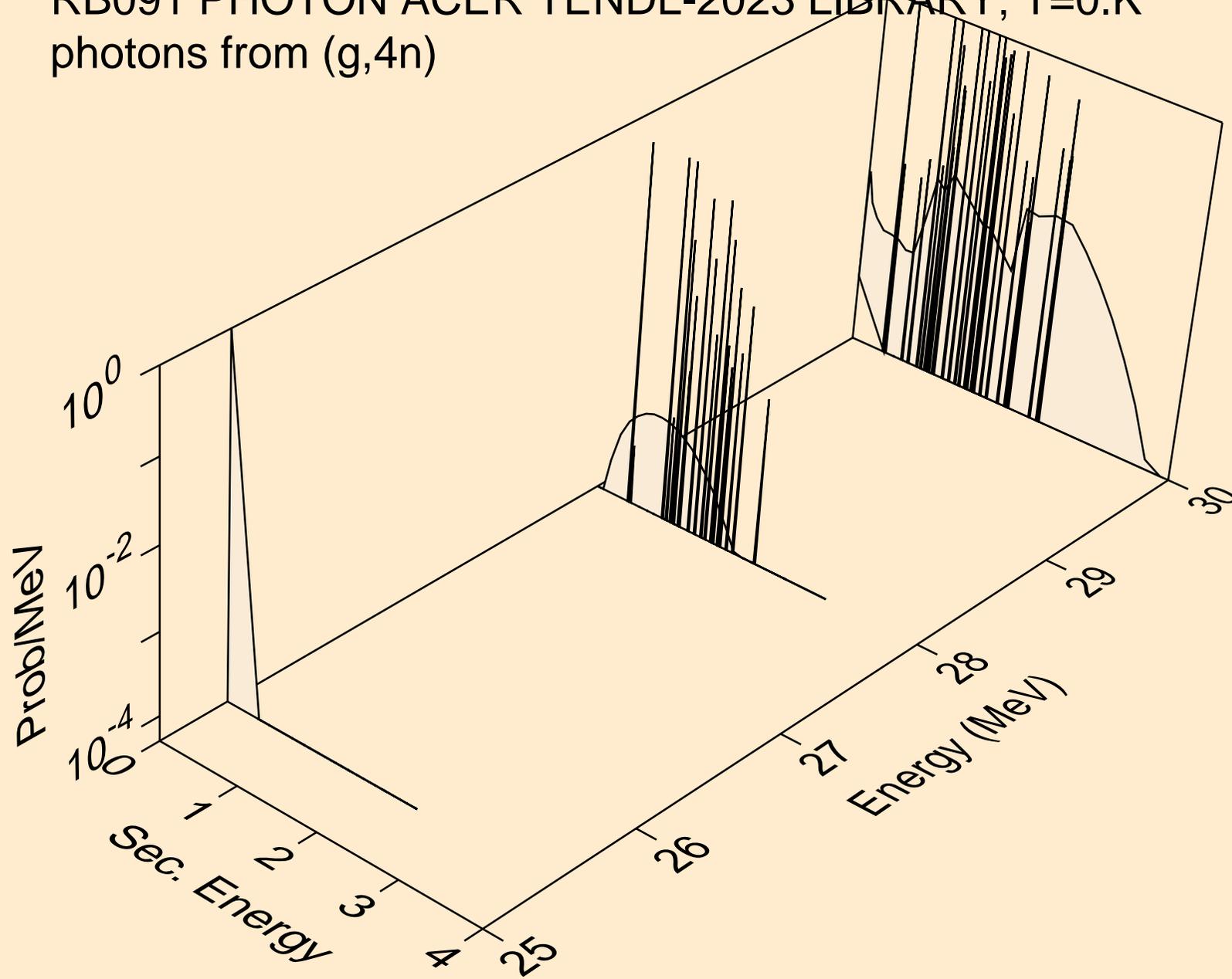RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)p

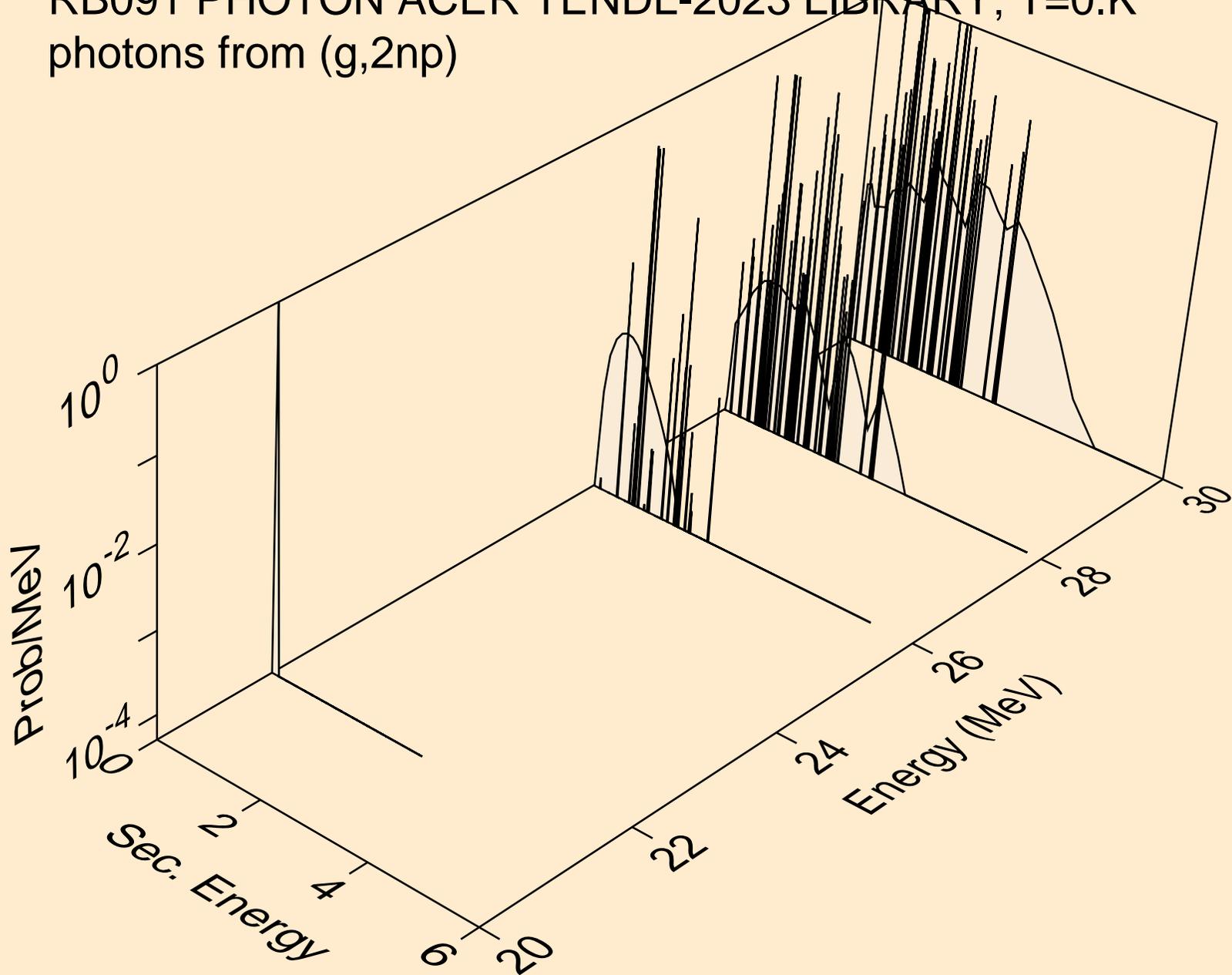RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)d

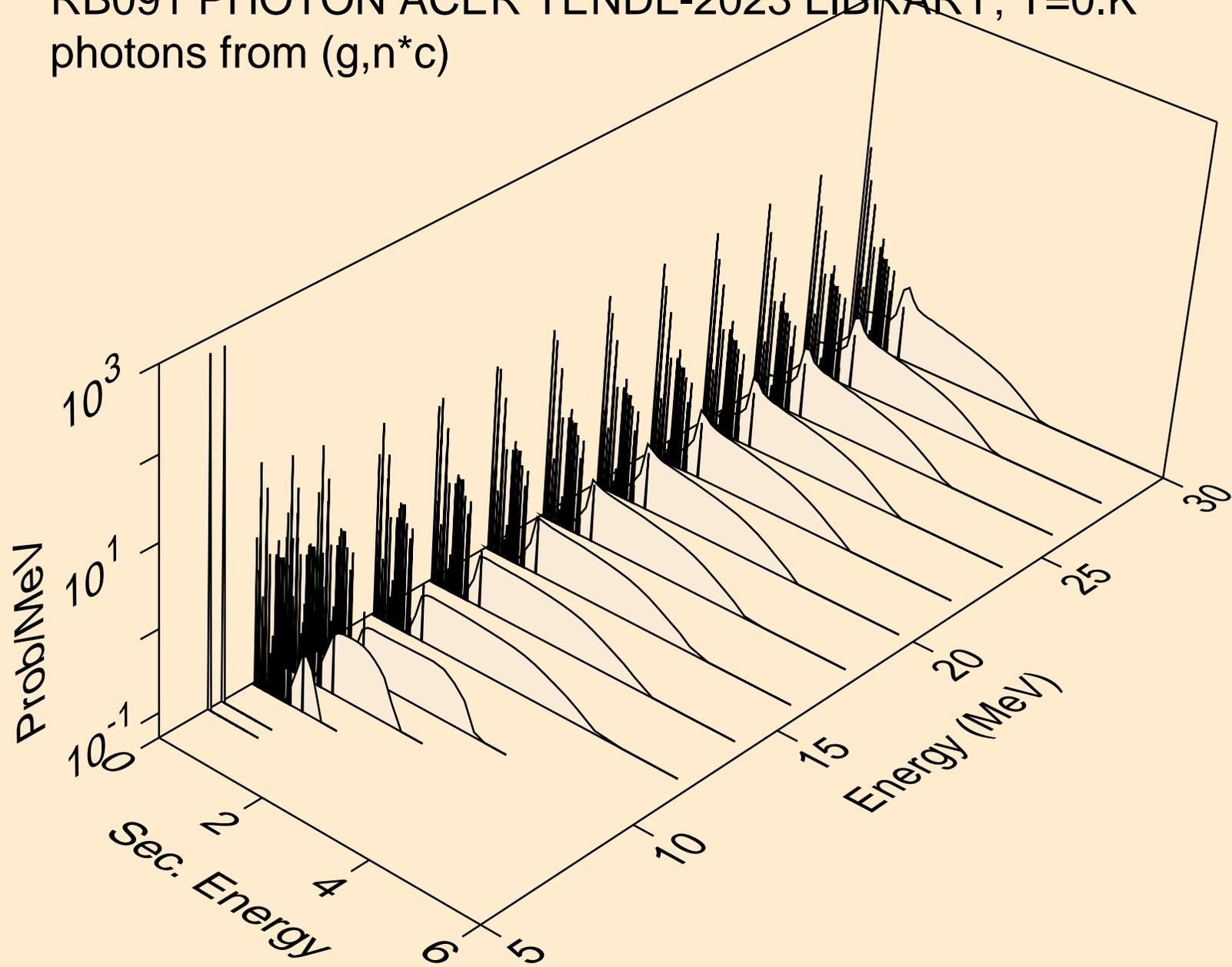RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)t

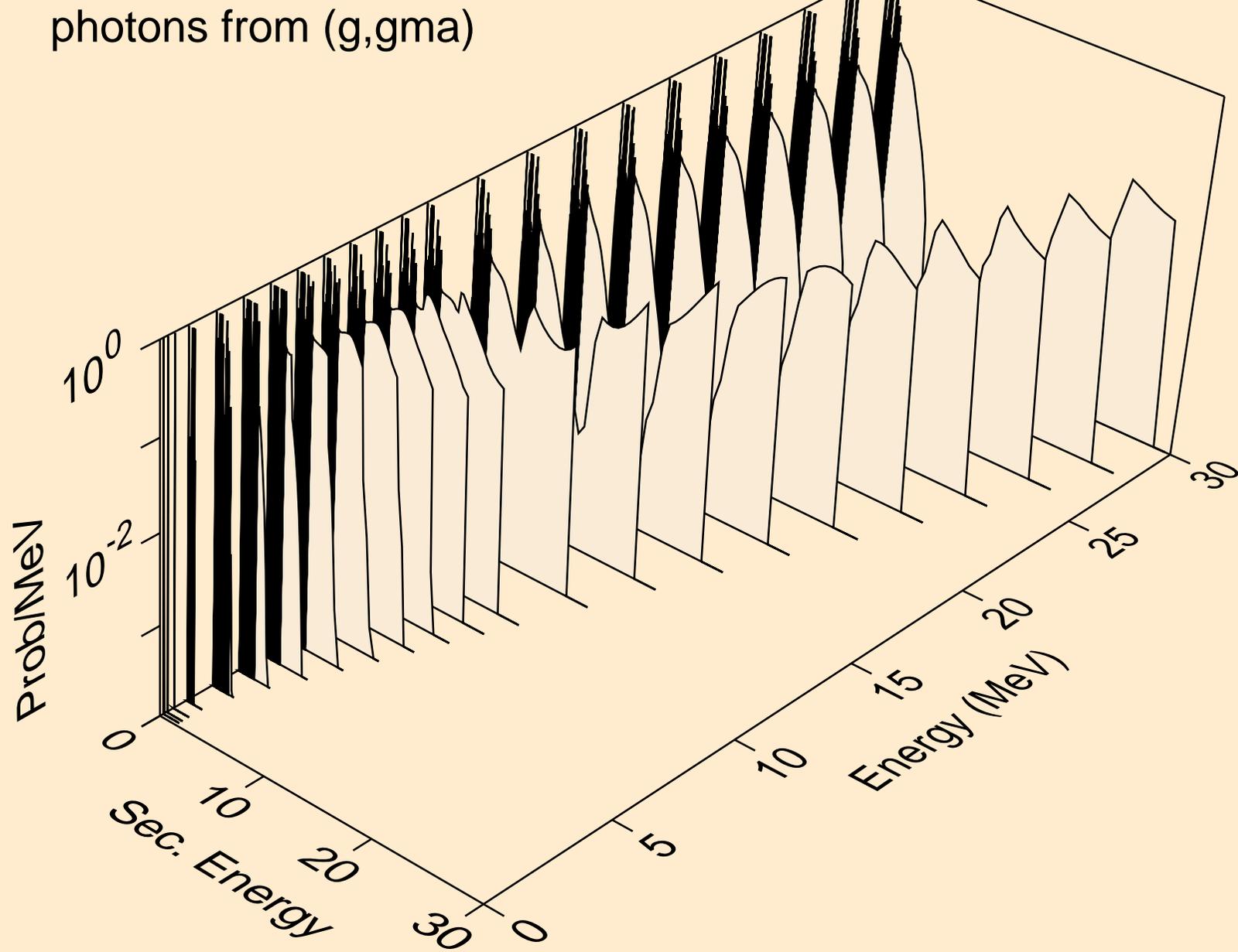RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,4n)

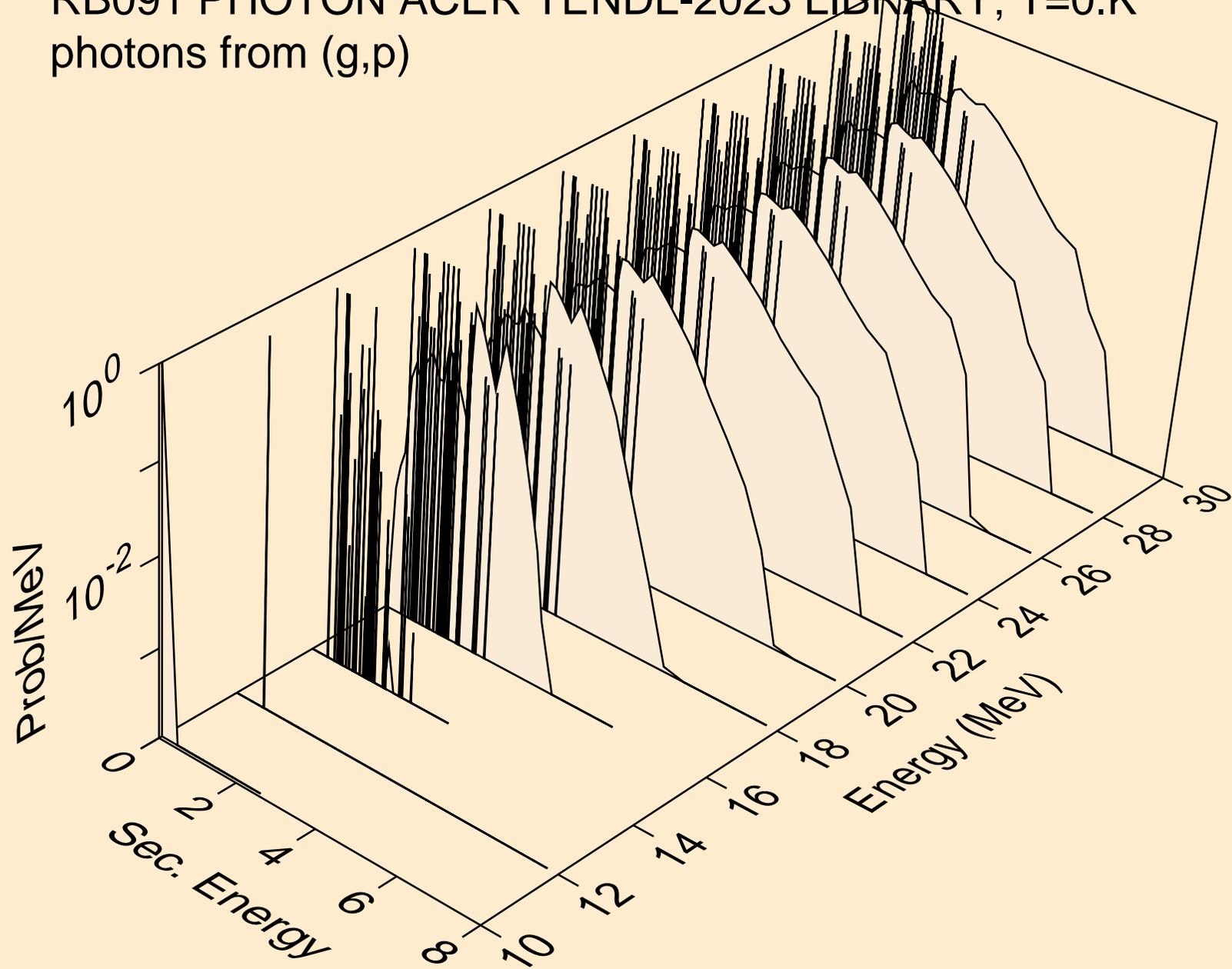RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2np)

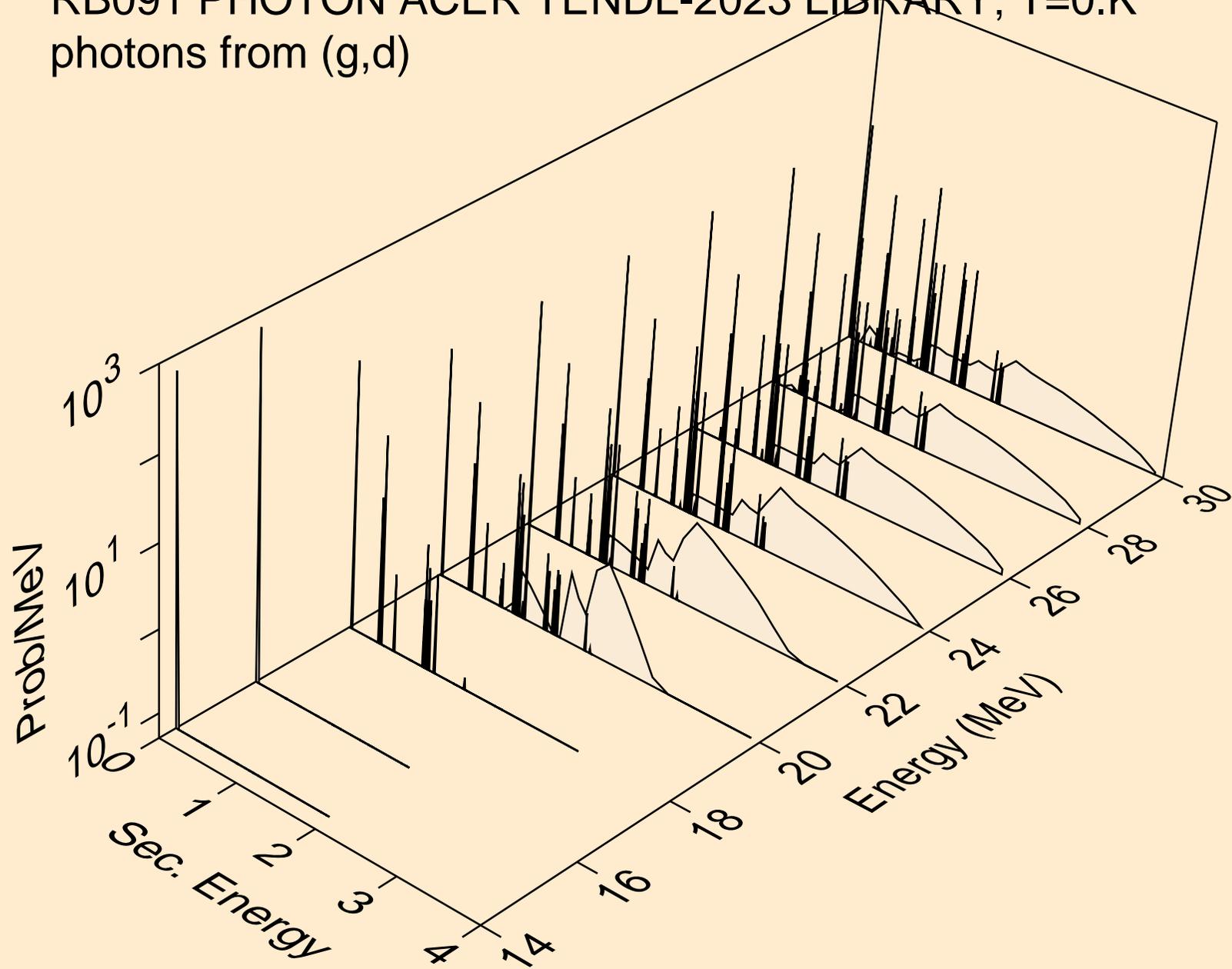RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*c)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
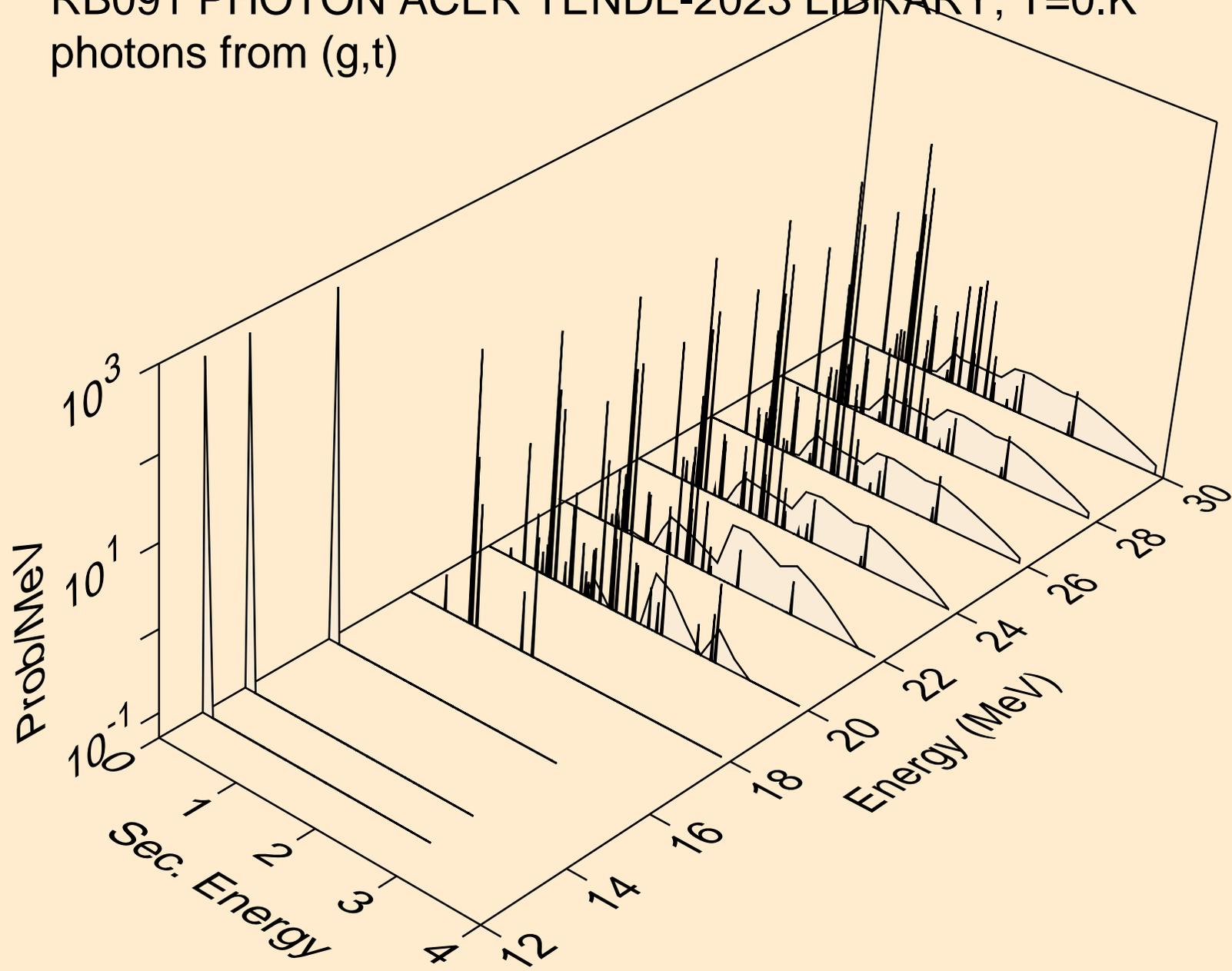photons from (g,gma)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
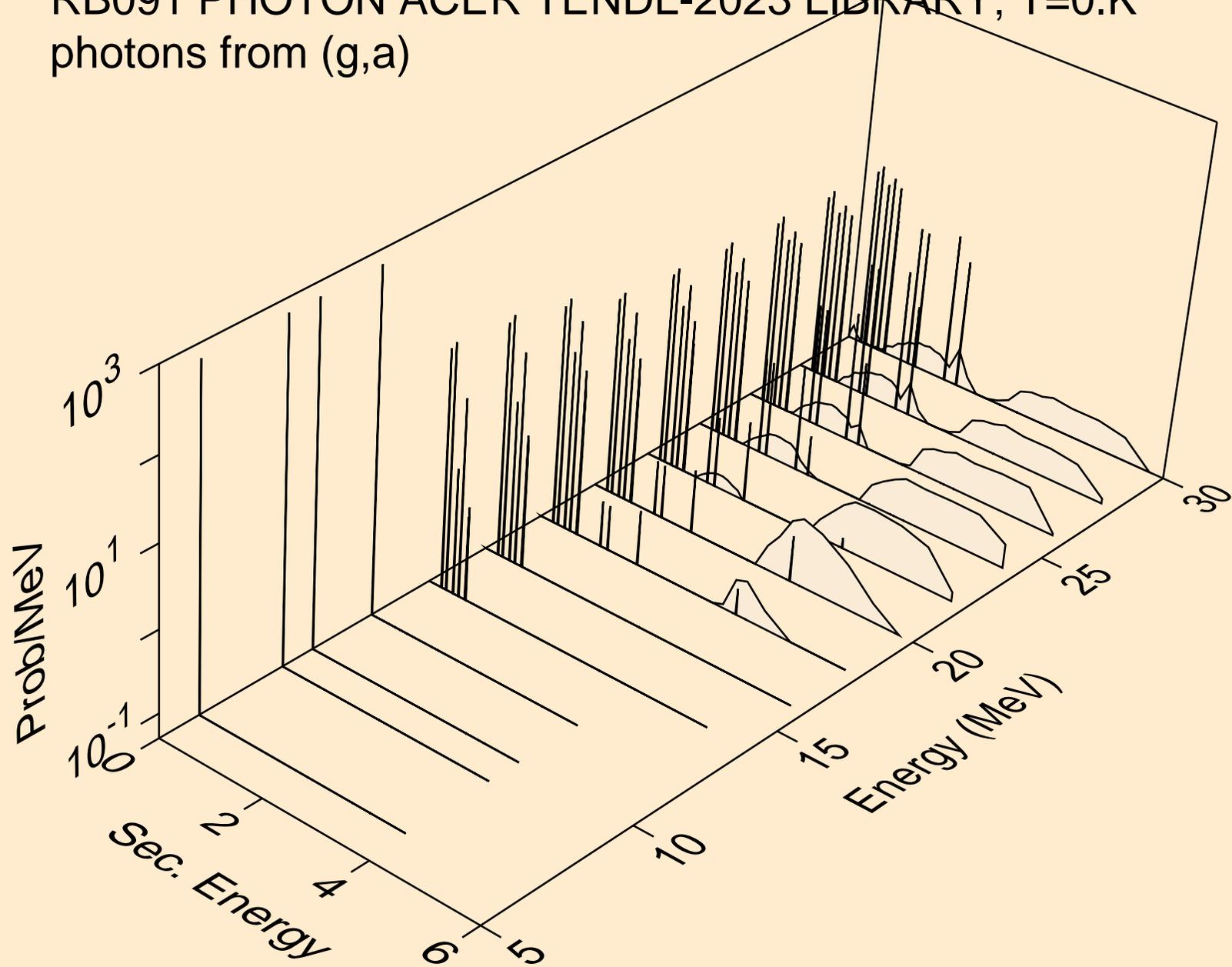photons from (g,p)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
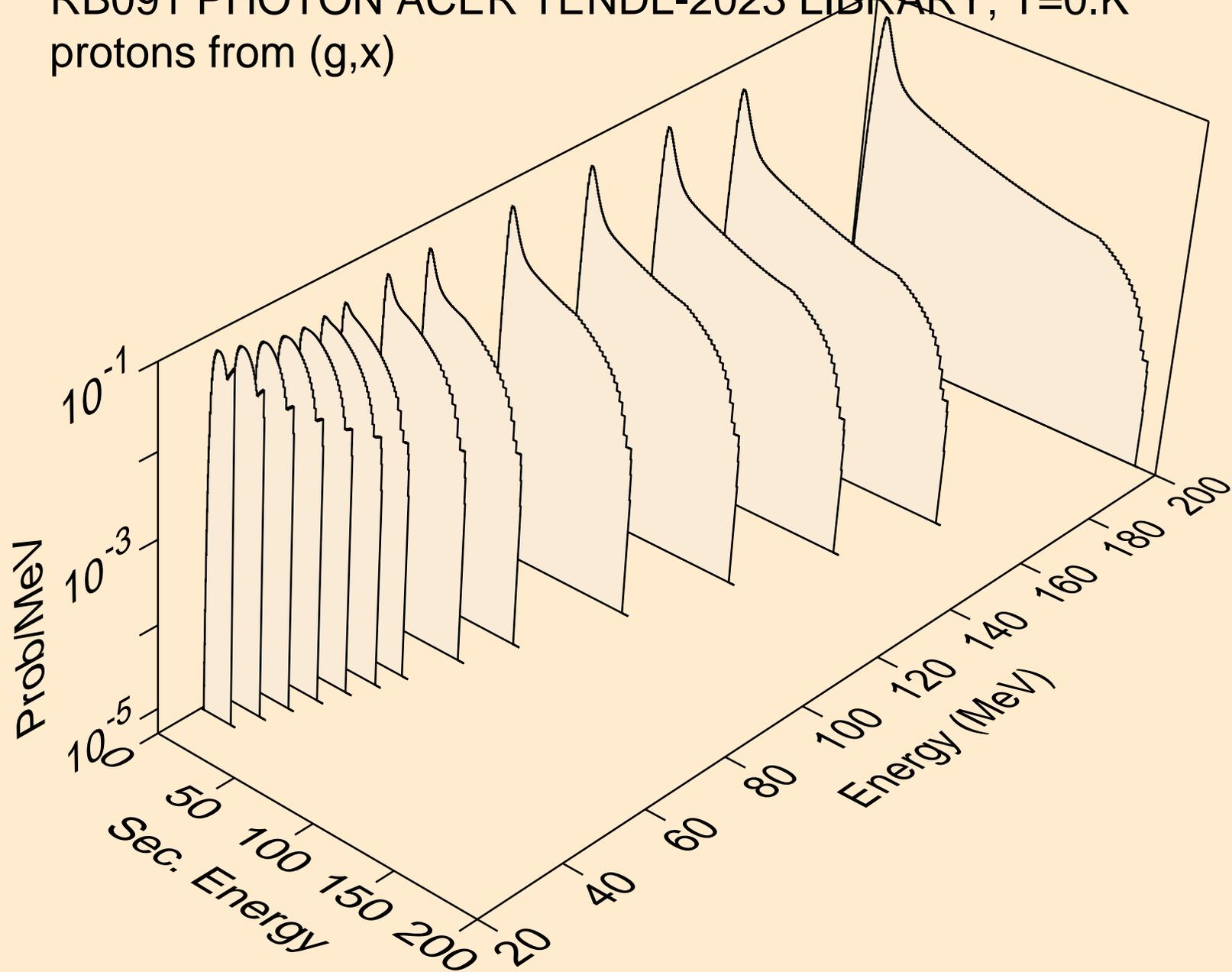photons from (g,d)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,t)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,a)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,x)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
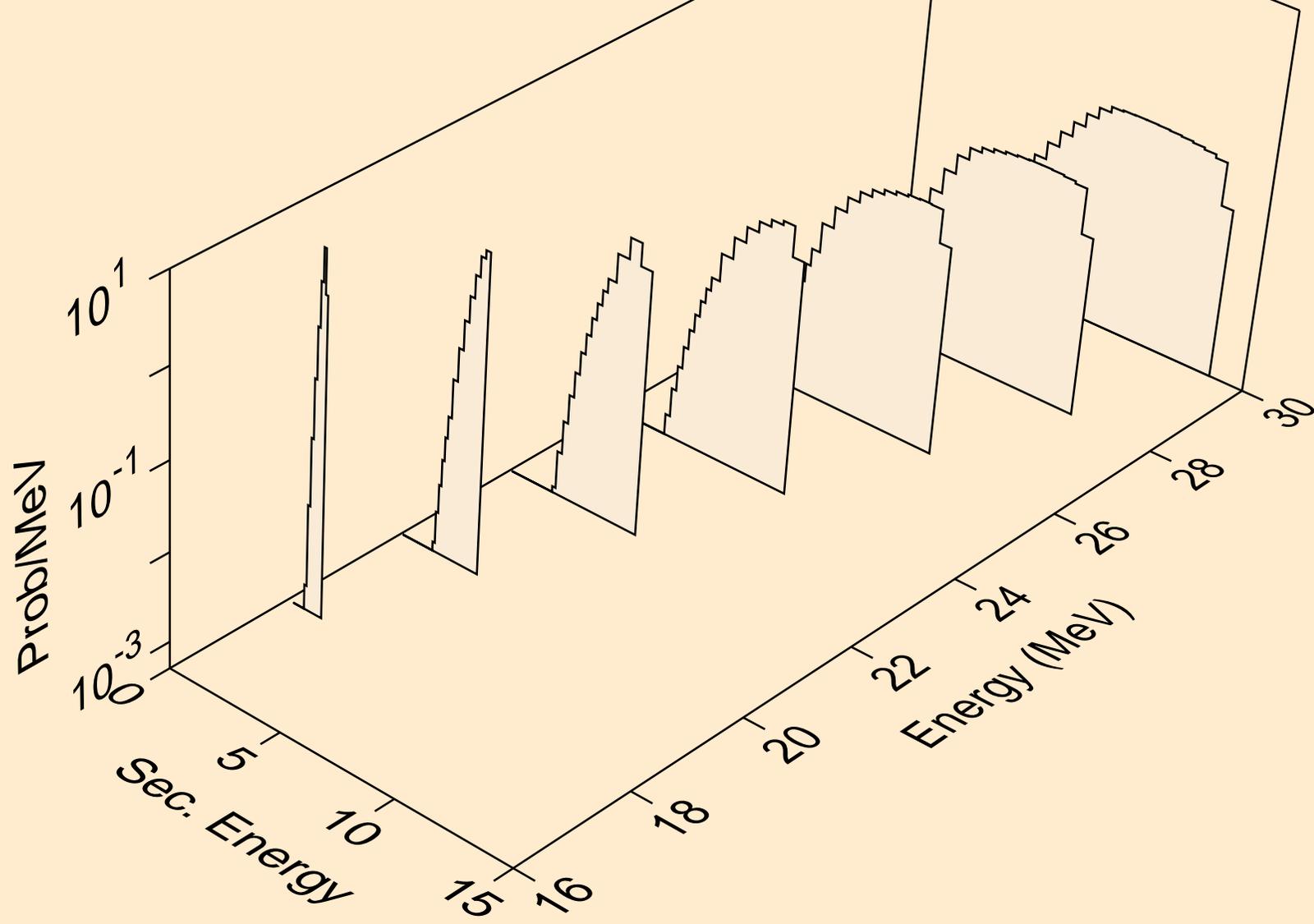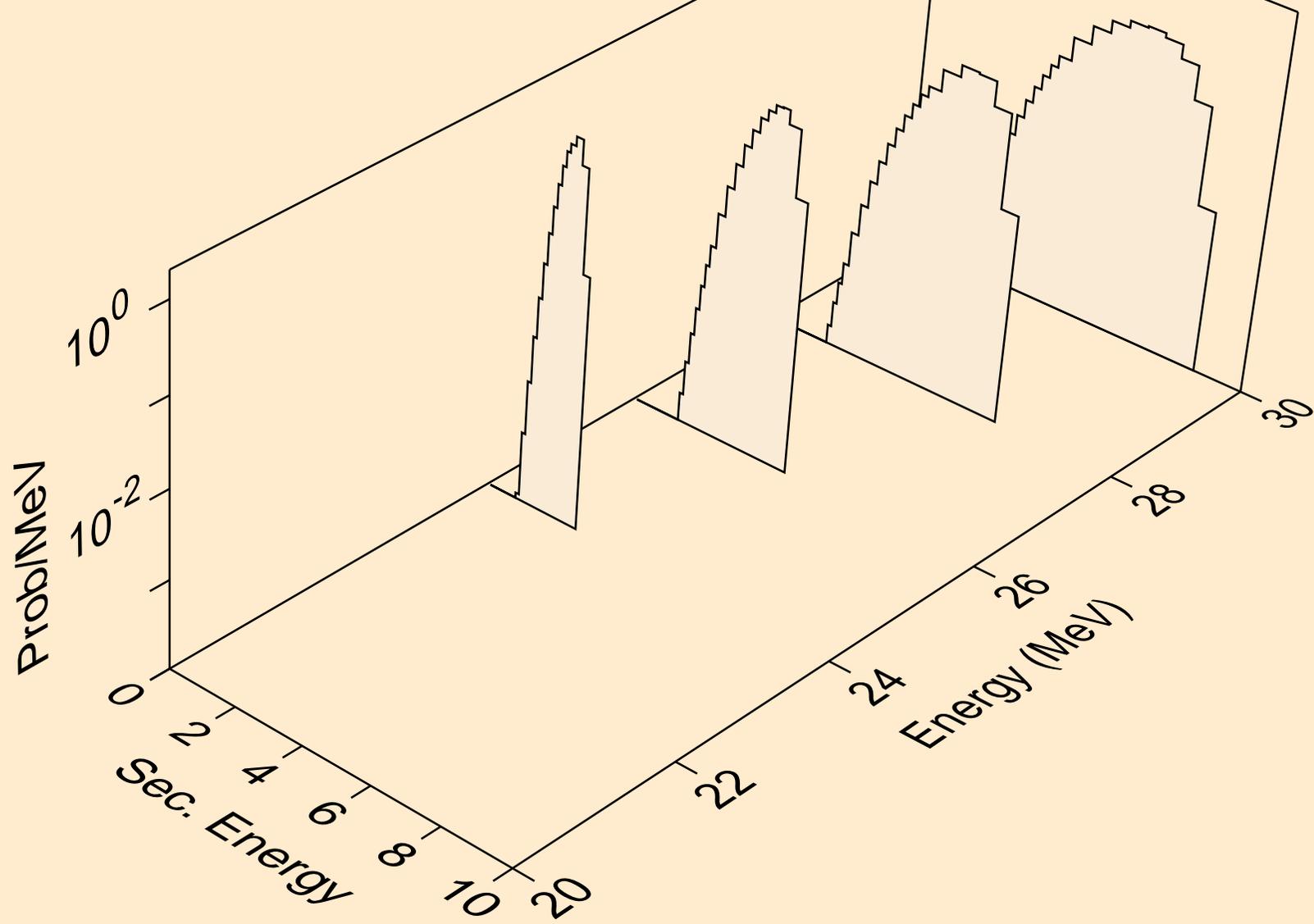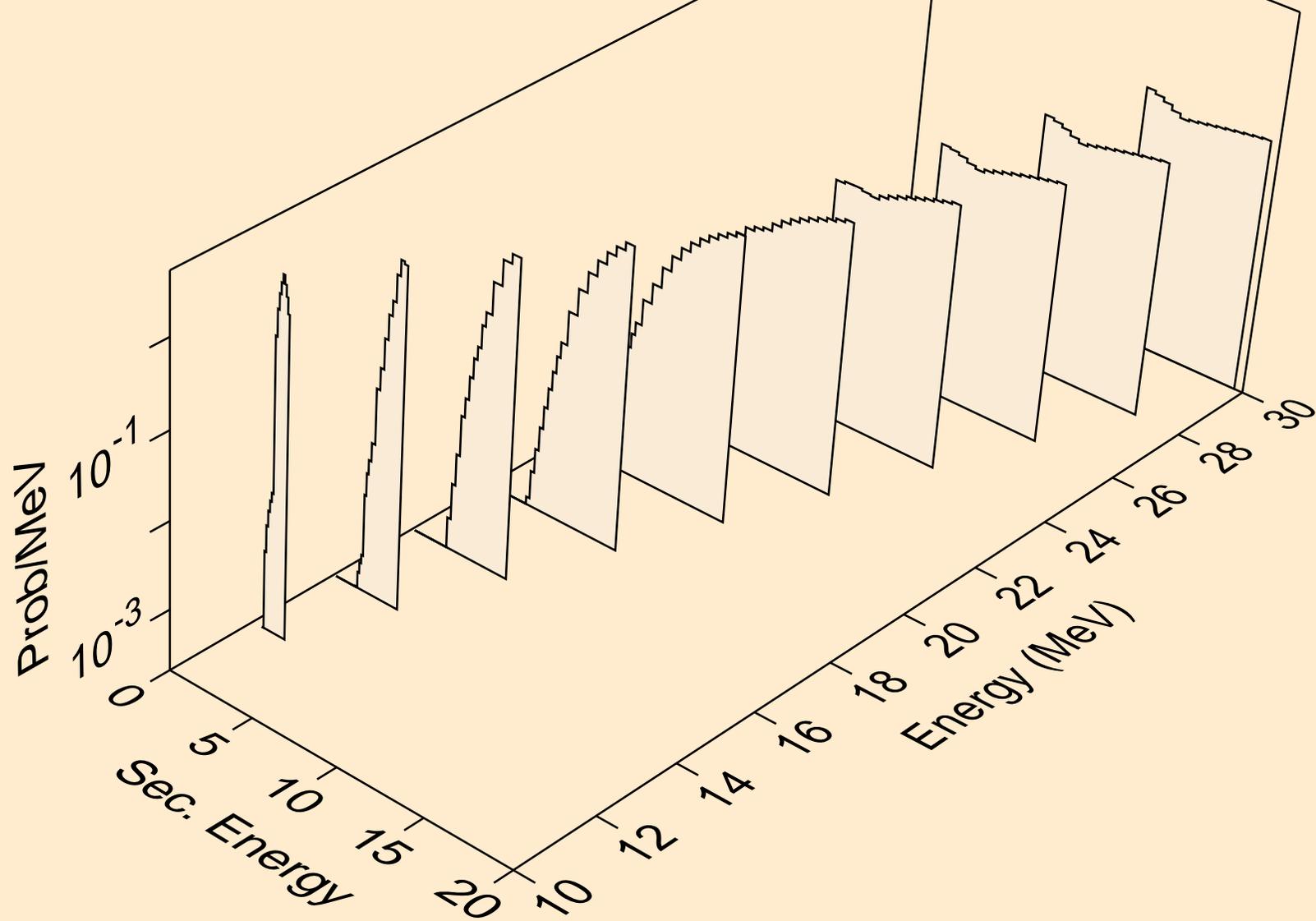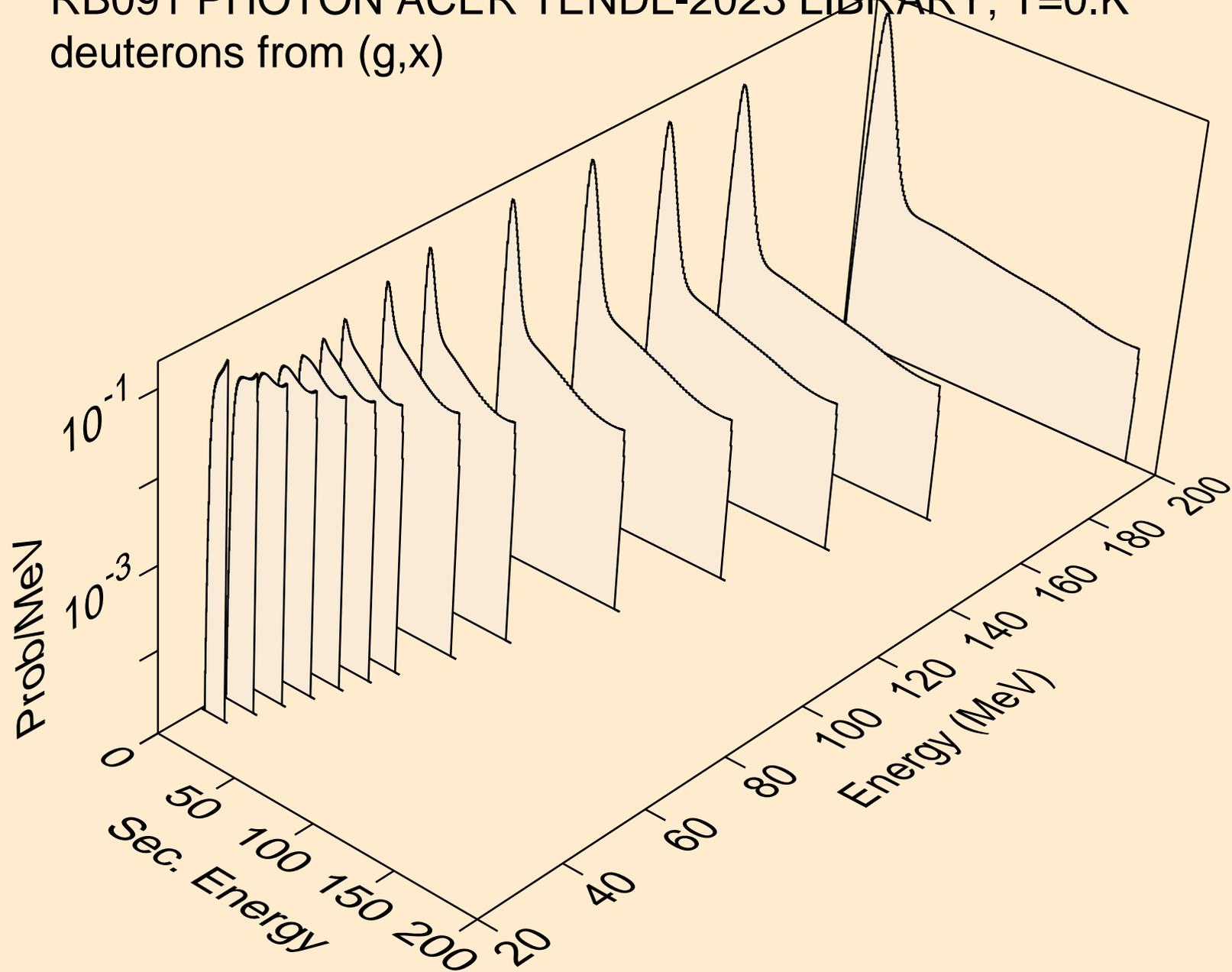protons from (g,n*)p

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
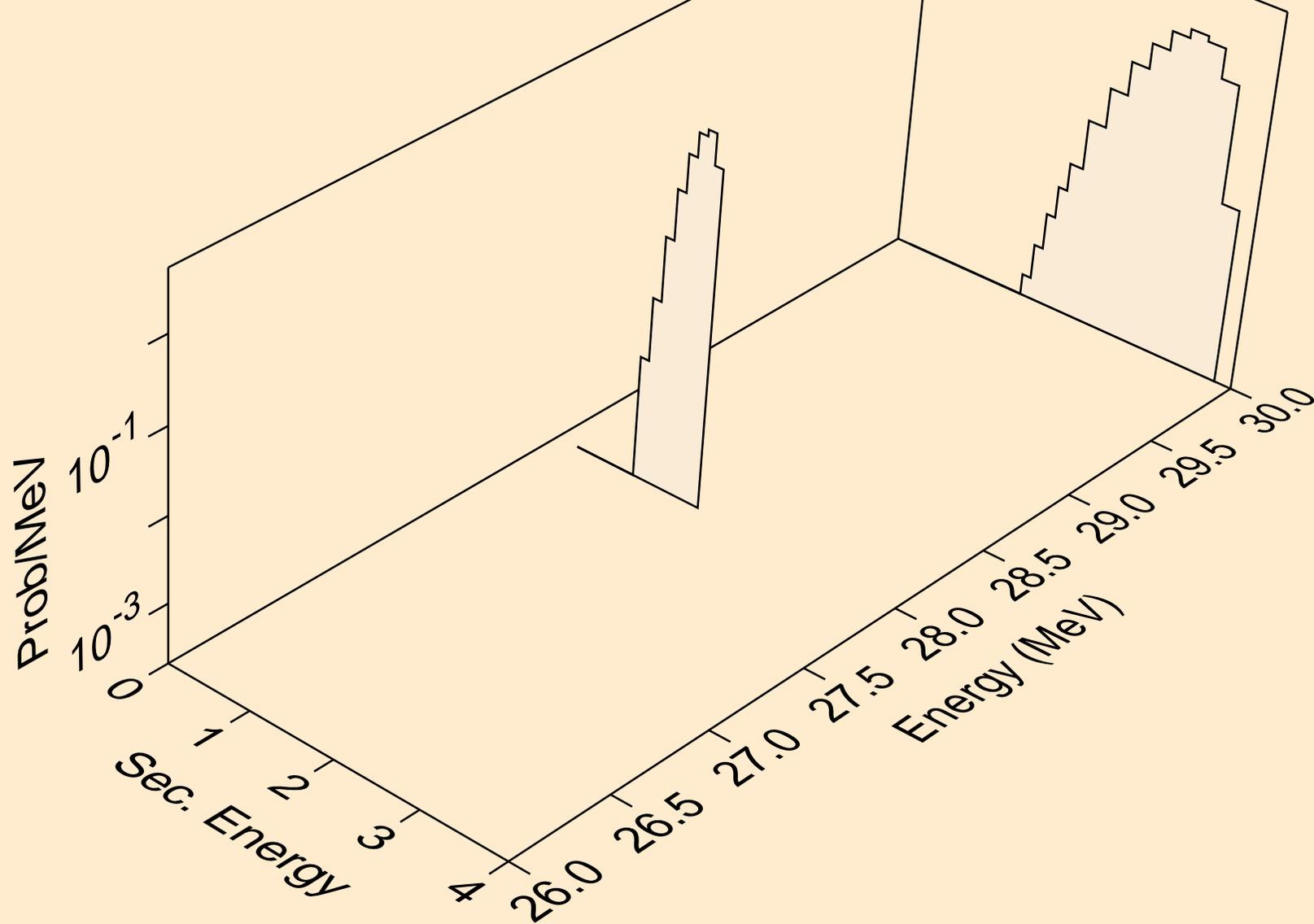protons from (g,2np)

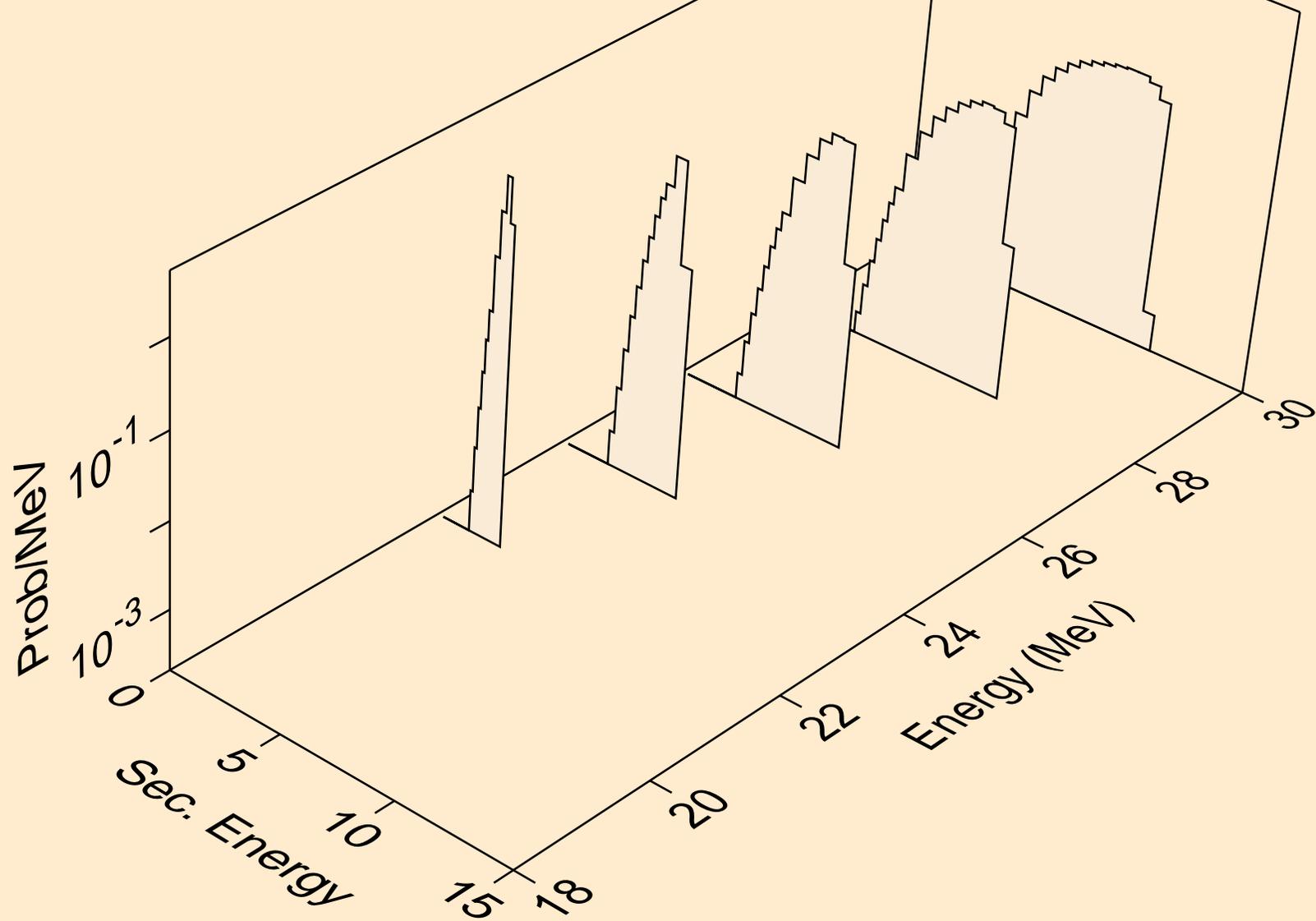RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,p)

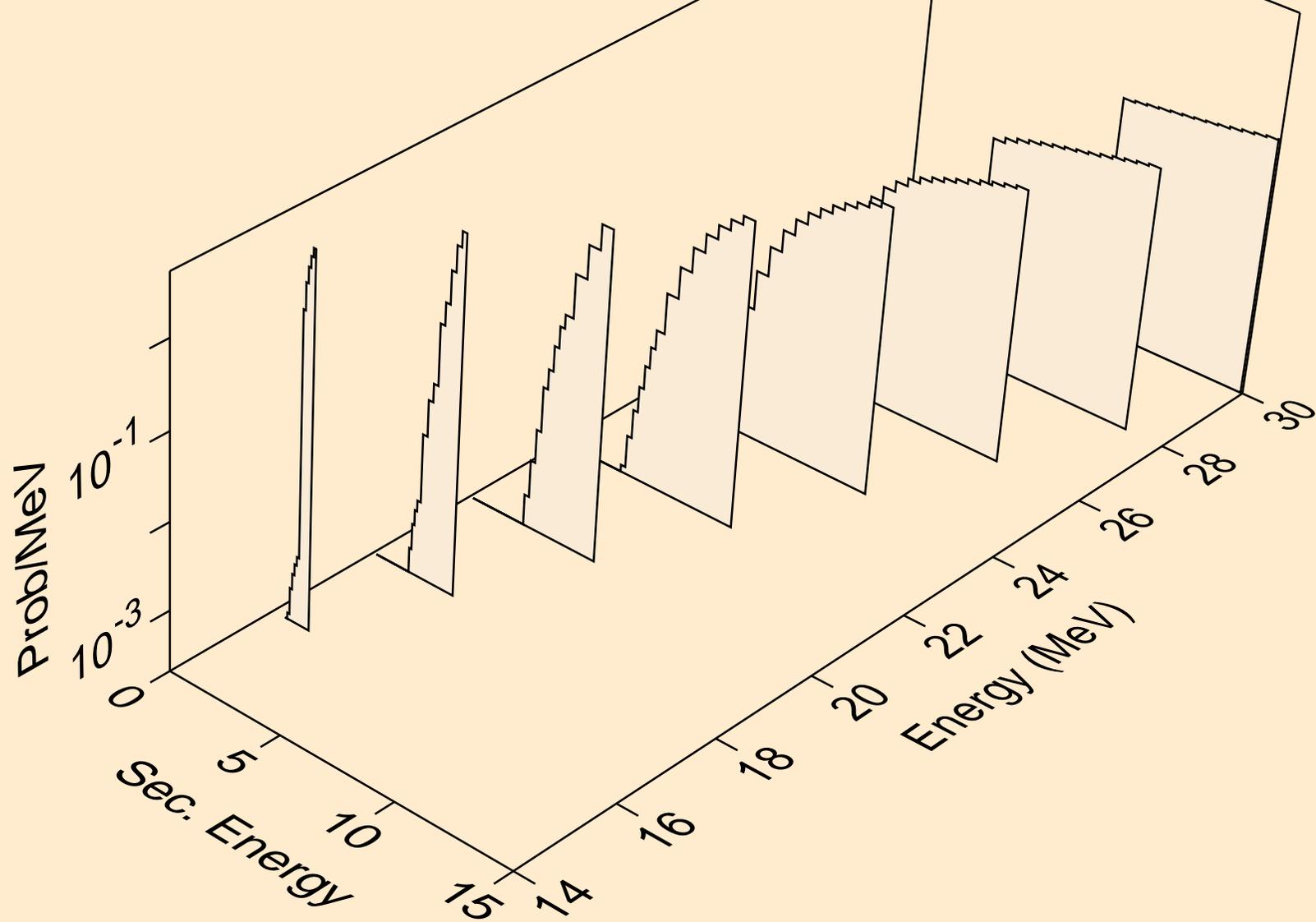RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,x)

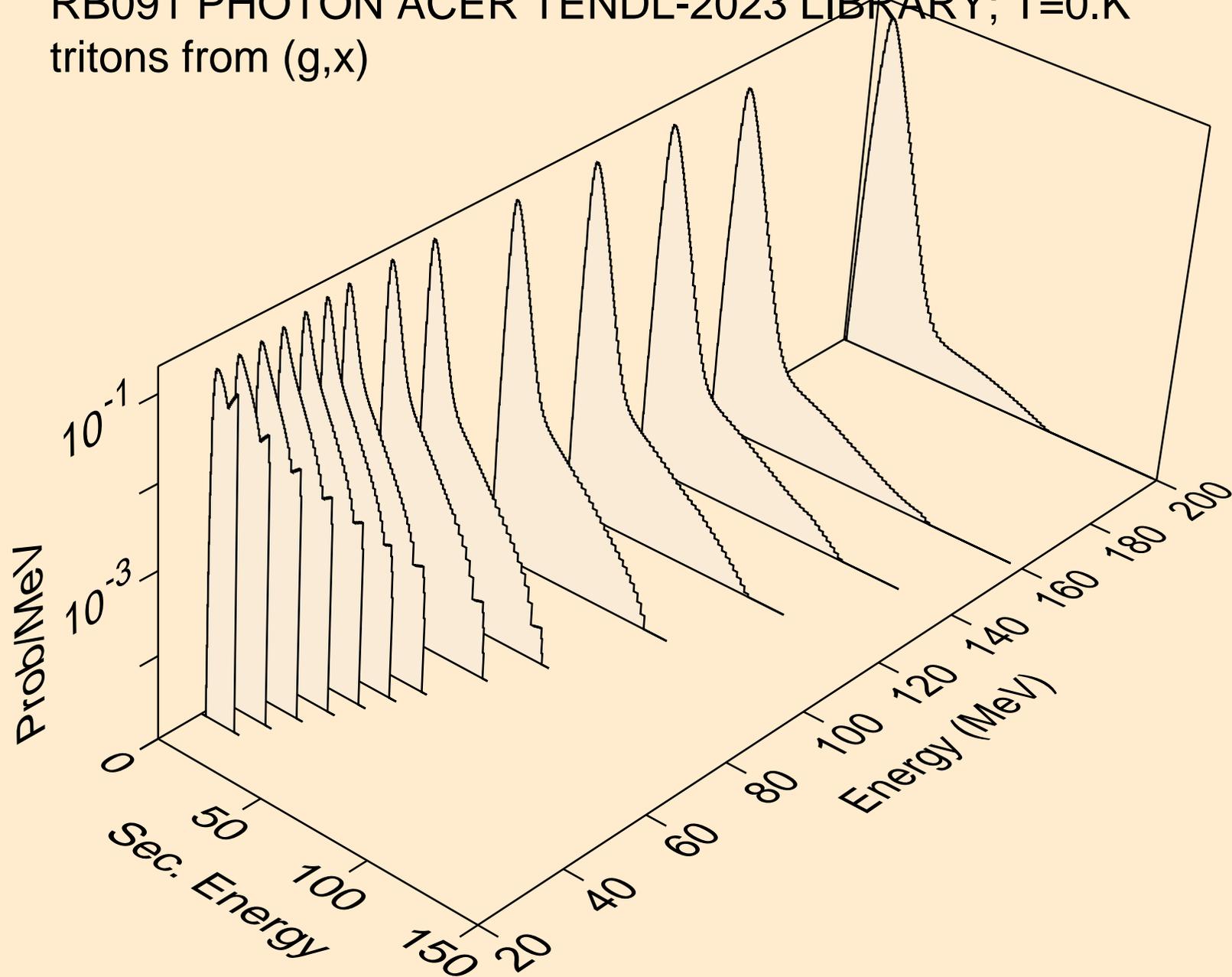RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,2nd)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,n*)d

Prob/MeV

10^{-1}

10^{-3}

Sec. Energy

0

5

10

15

18

20

22

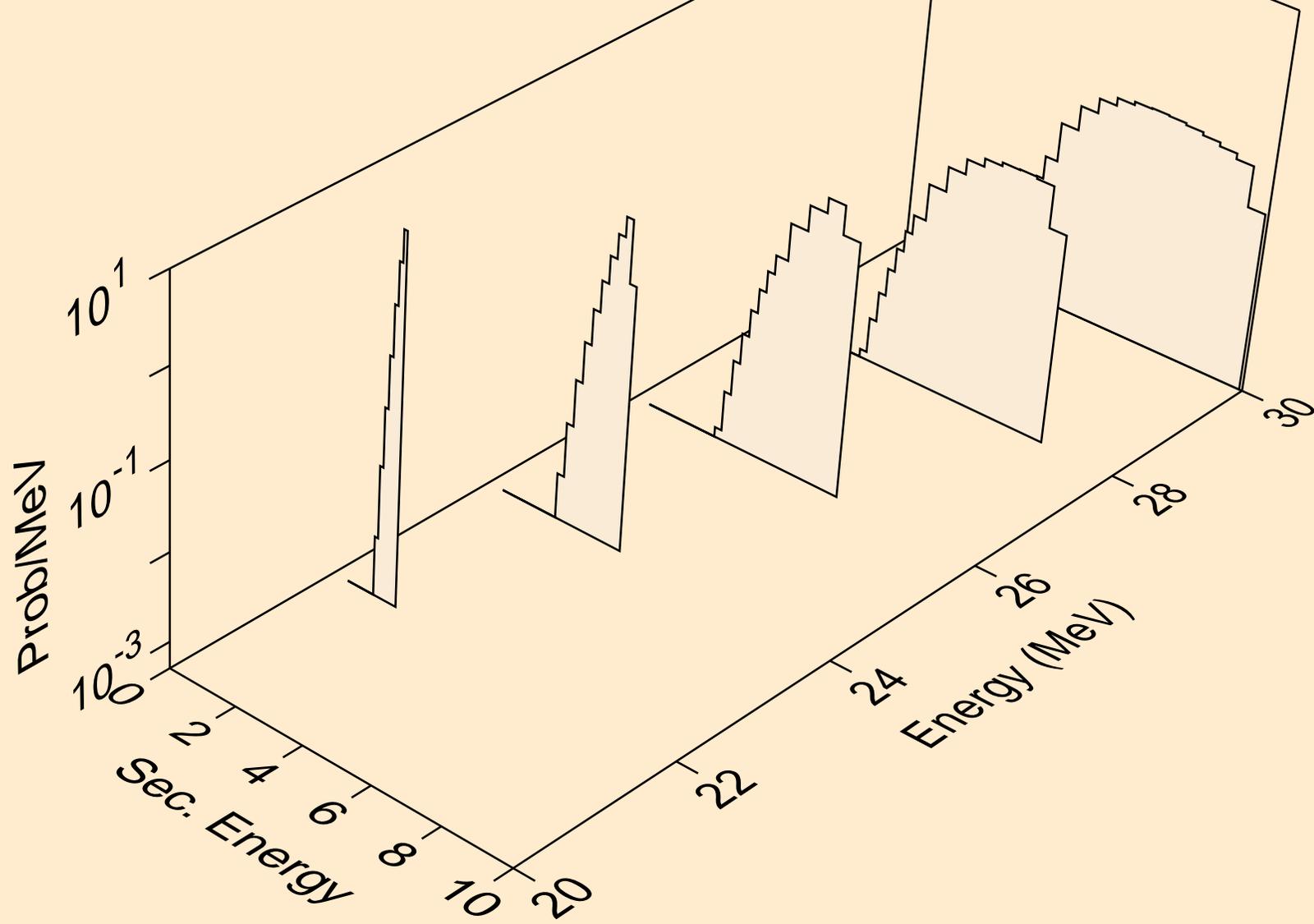24

26

28

30

Energy (MeV)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,d)

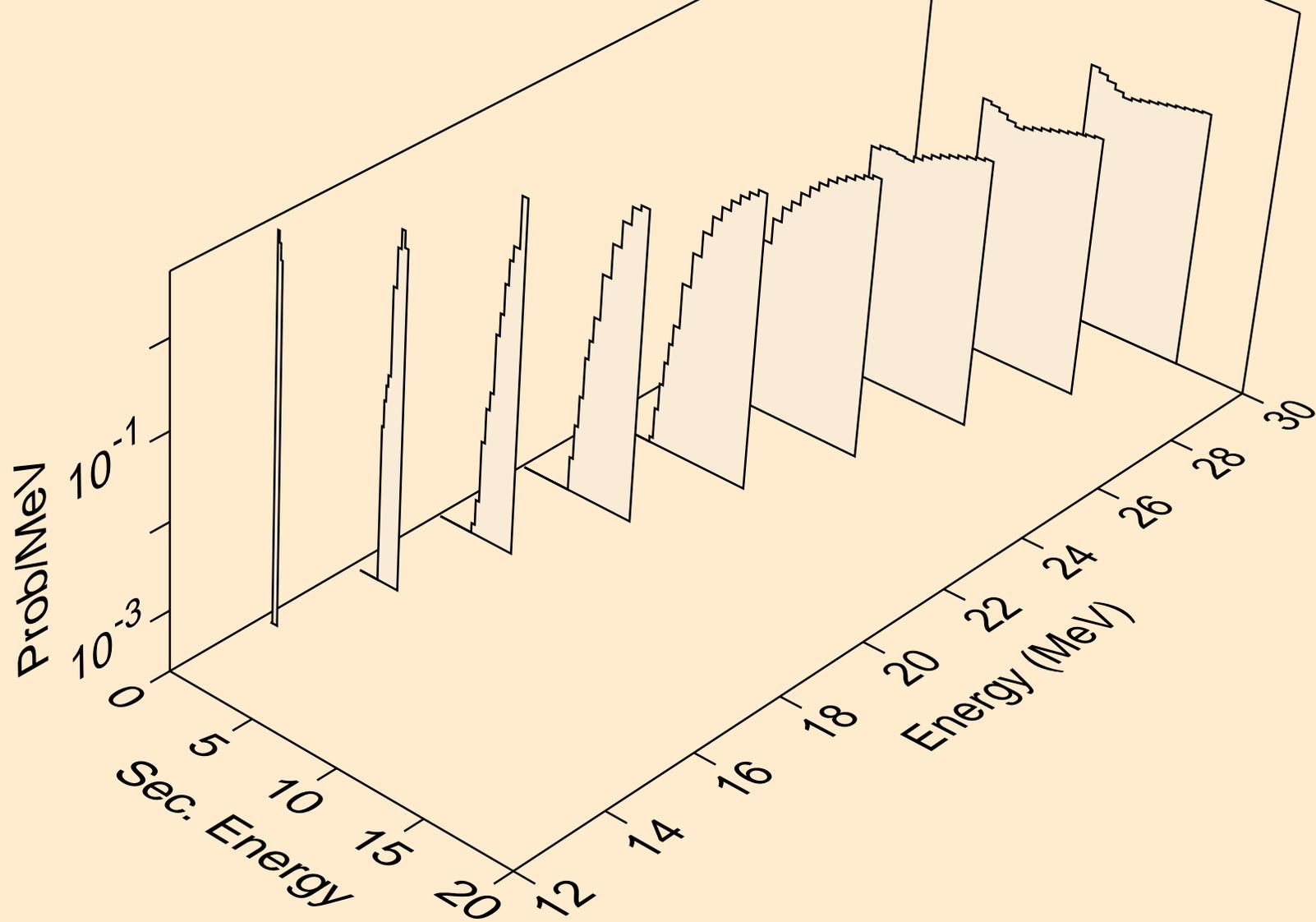RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (g,x)

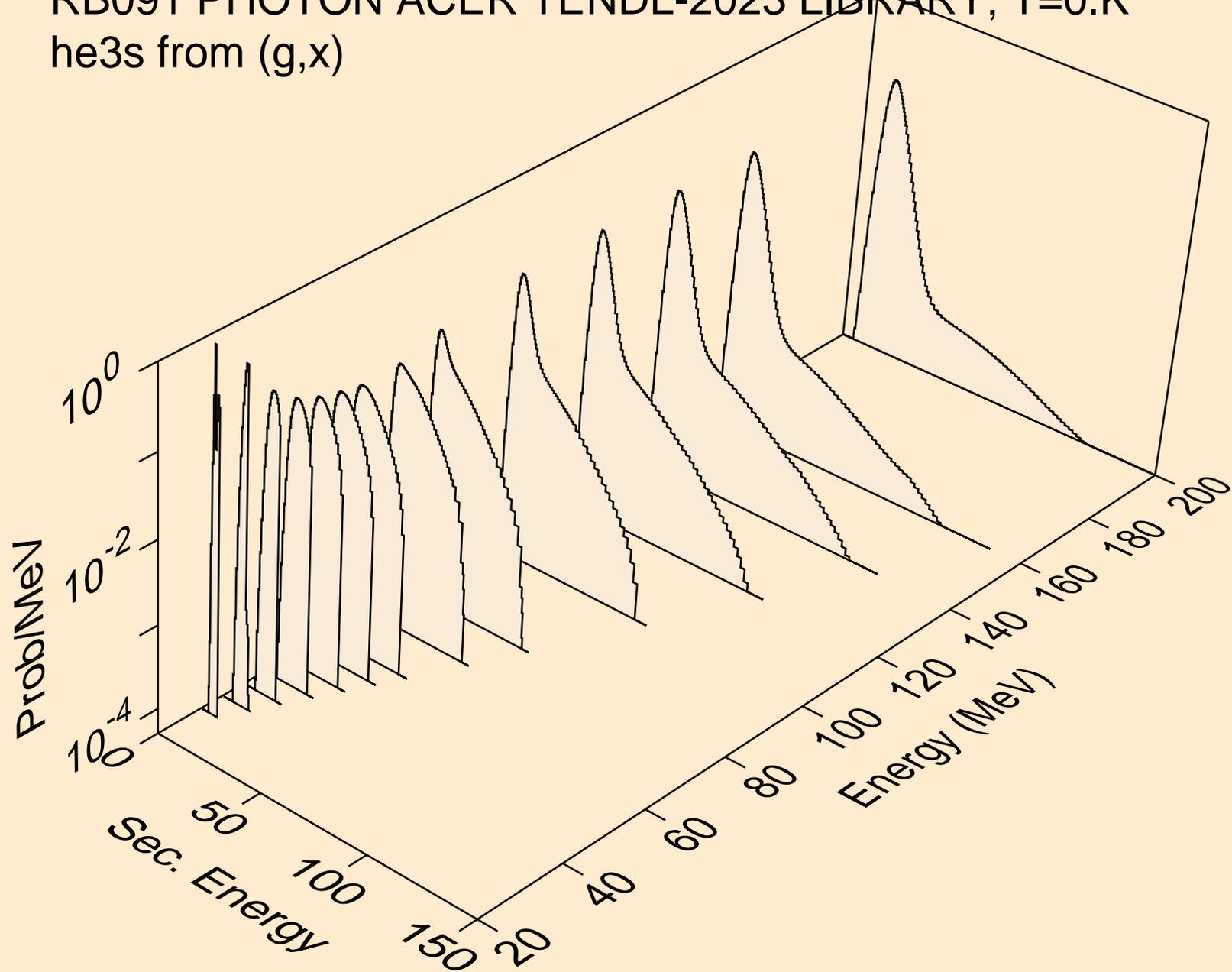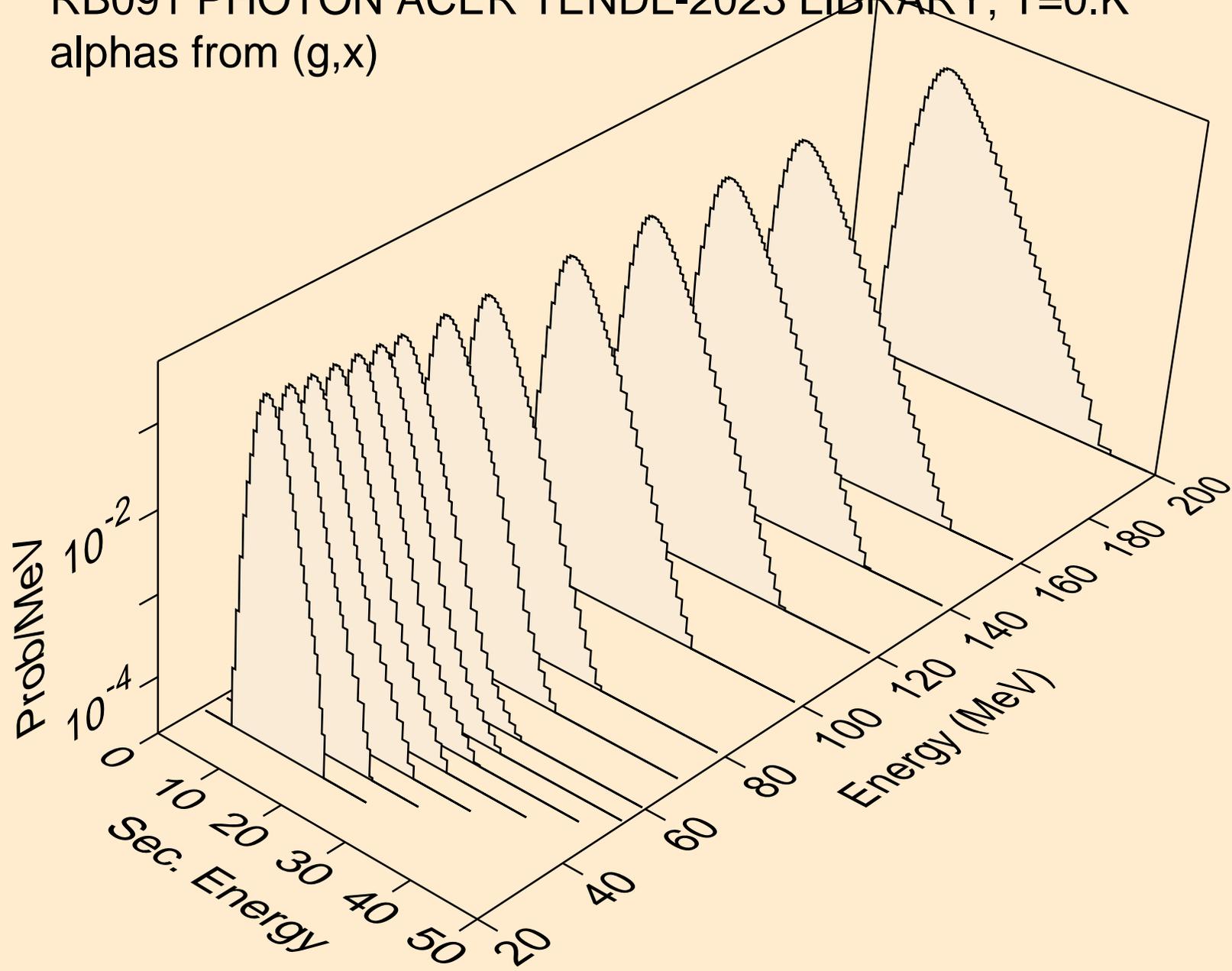RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (g,n*)t

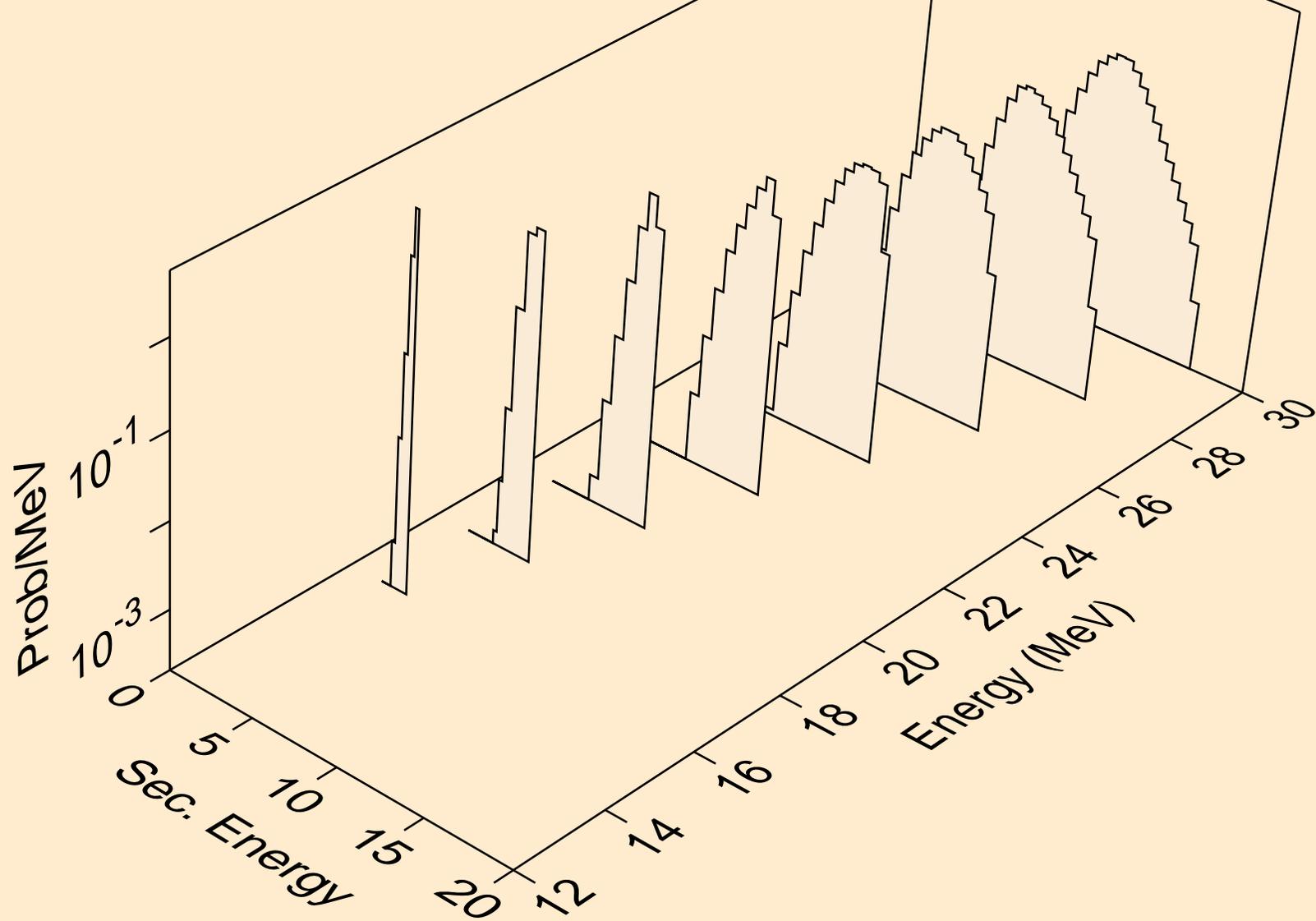RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (g,t)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (g,x)

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

50

100

150

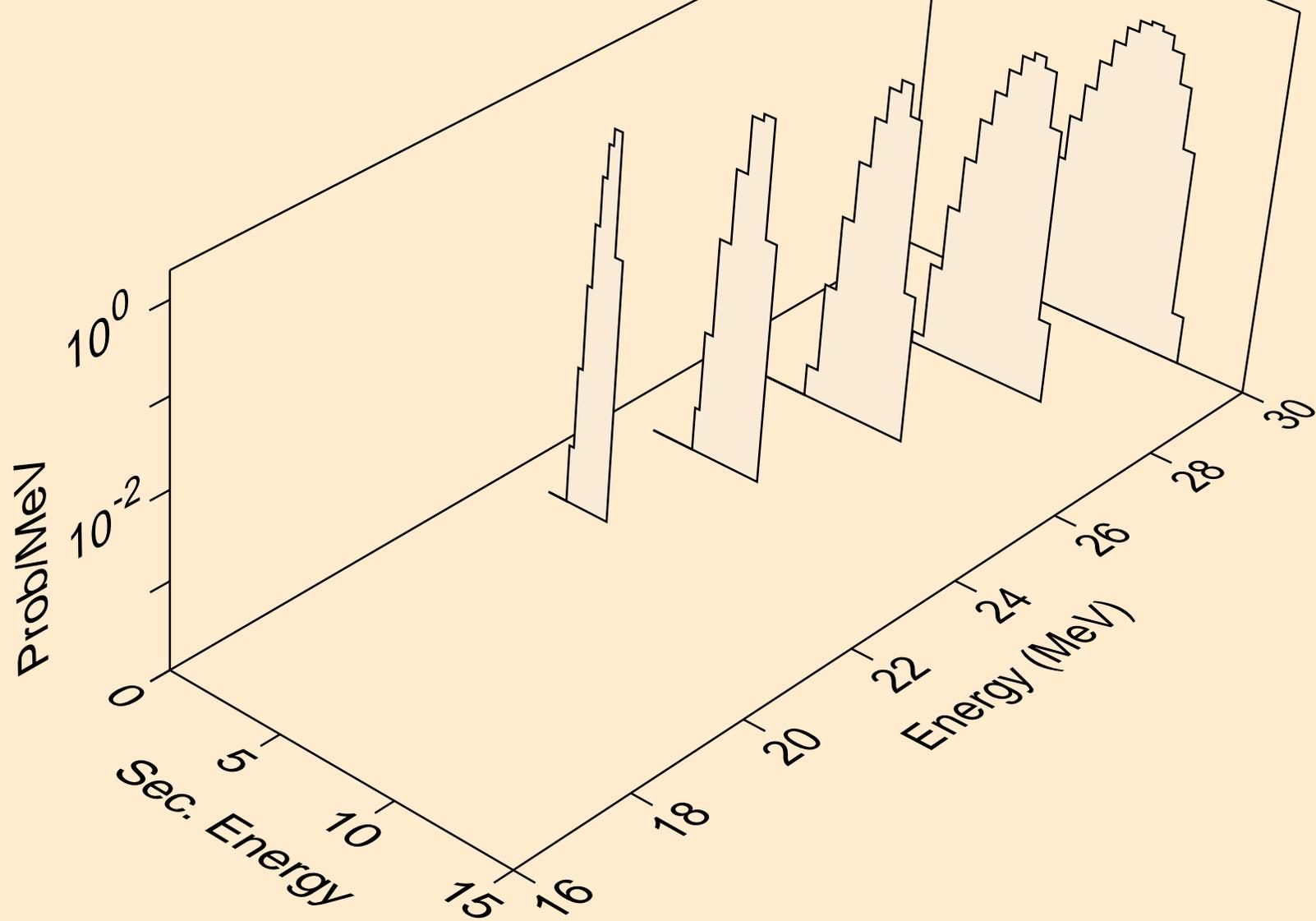Energy (MeV)

20

40

60

80

100

120

140

160

180

200

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,x)

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,n*)a

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,2n)a

RB091 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,a)