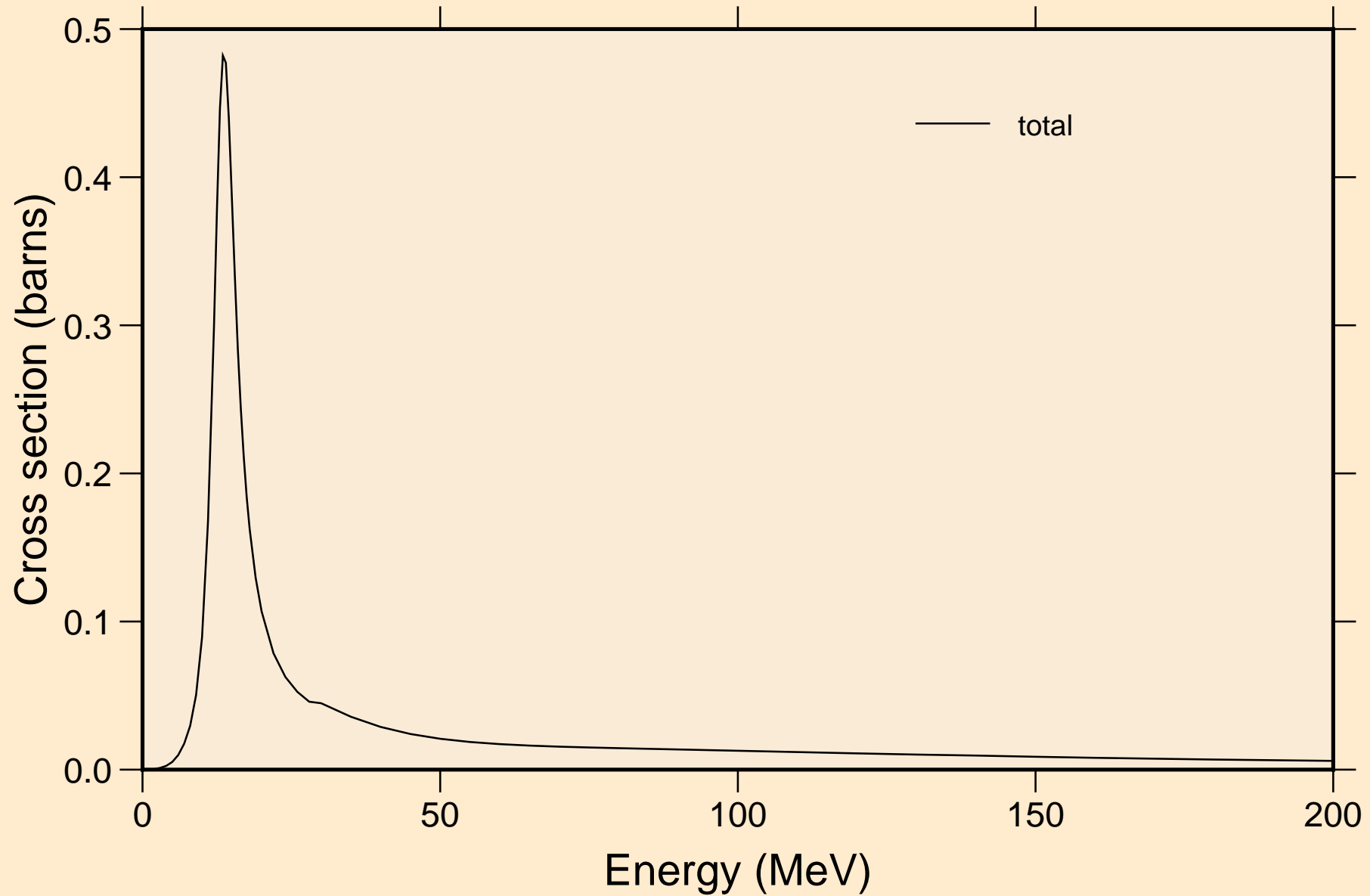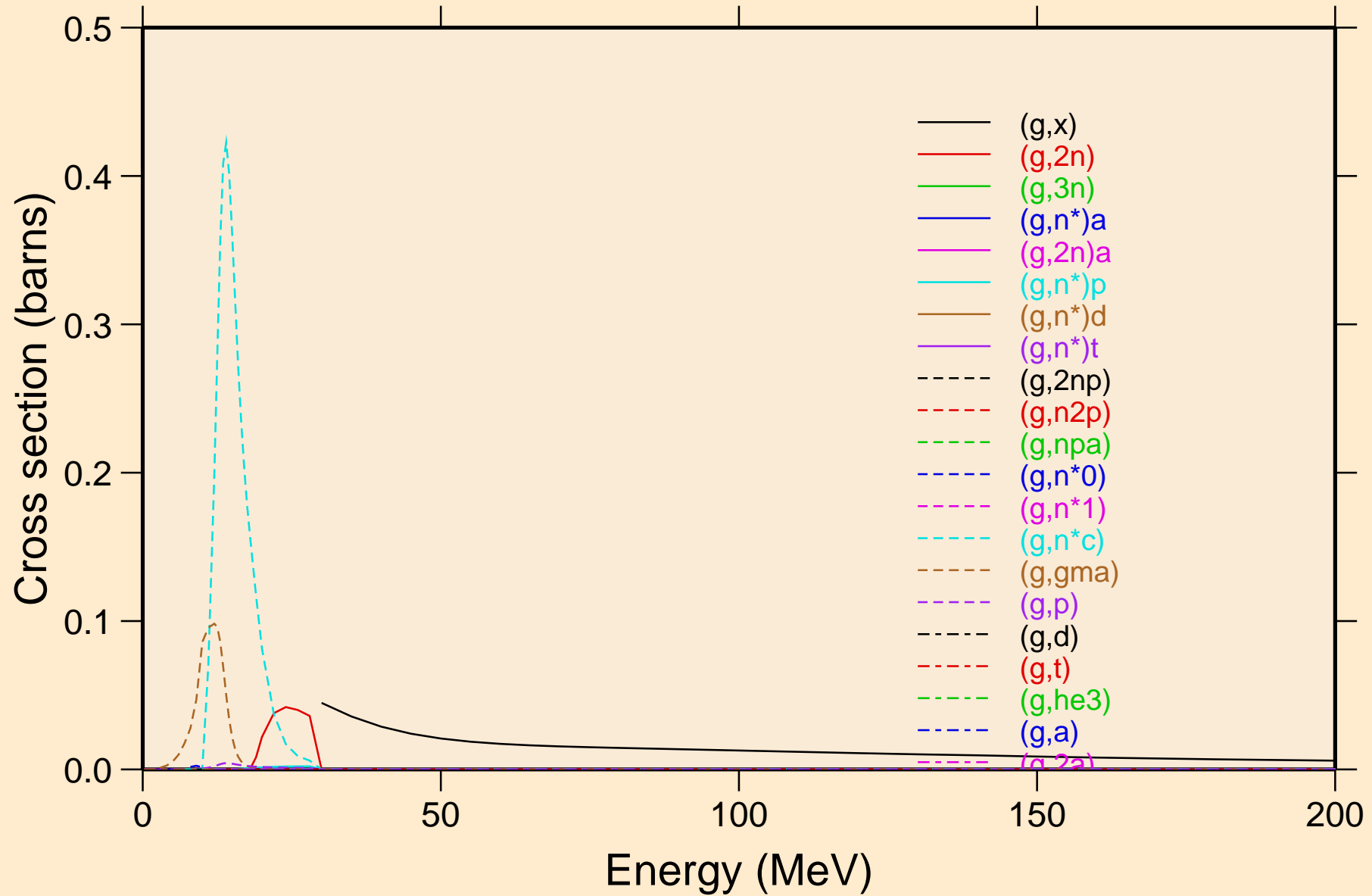BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections
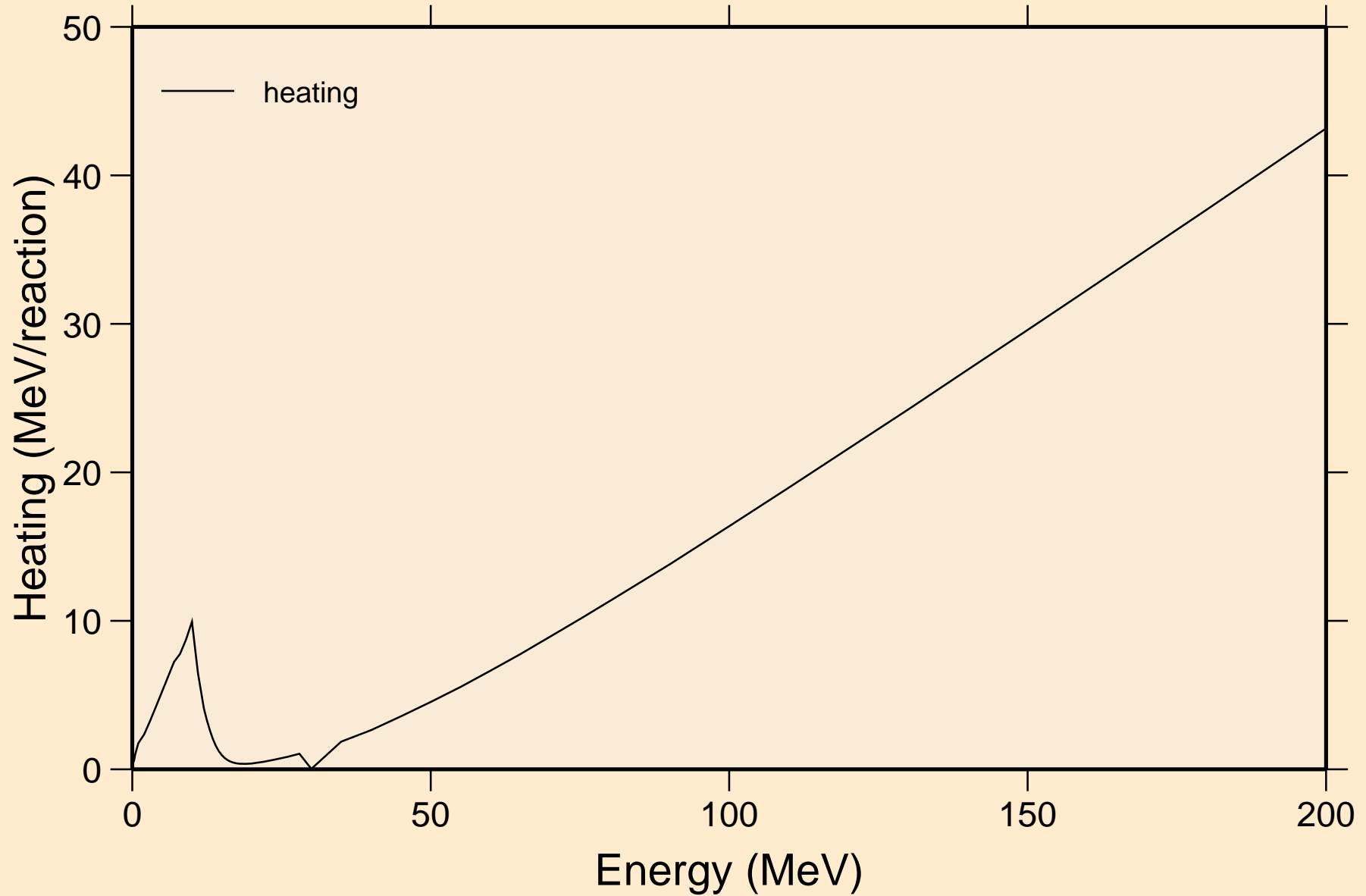
BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Partial cross sections

Cross section (barns)

Energy (MeV)

- (g,x)
- (g,2n)
- (g,3n)
- (g,n*)a
- (g,2n)a
- (g,n*)p
- (g,n*)d
- (g,n*)t
- (g,2np)
- (g,n2p)
- (g,npa)
- (g,n*0)
- (g,n*1)
- (g,n*c)
- (g,gma)
- (g,p)
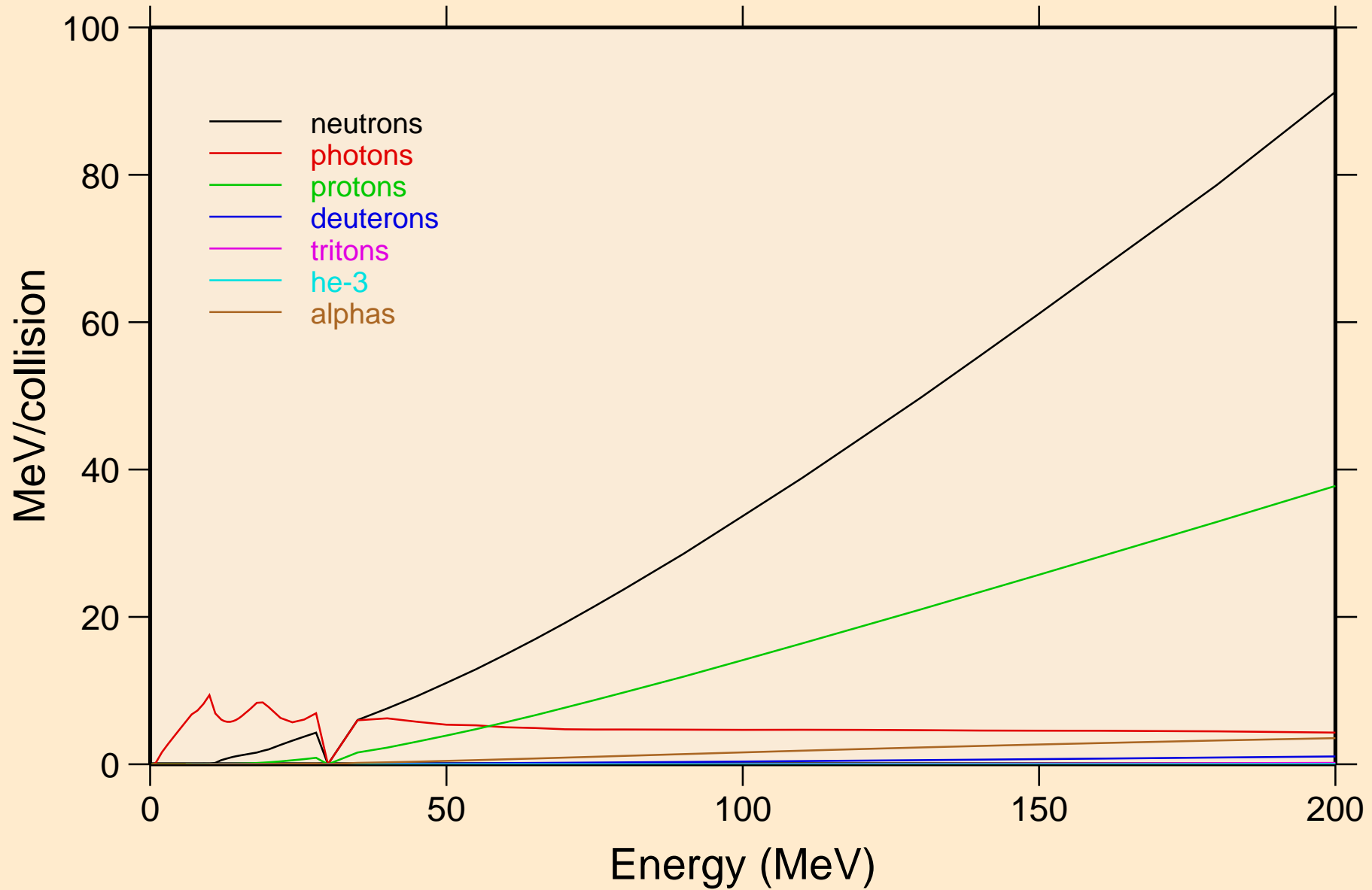- (g,d)
- (g,t)
- (g,he3)
- (g,a)
- (g,2a)

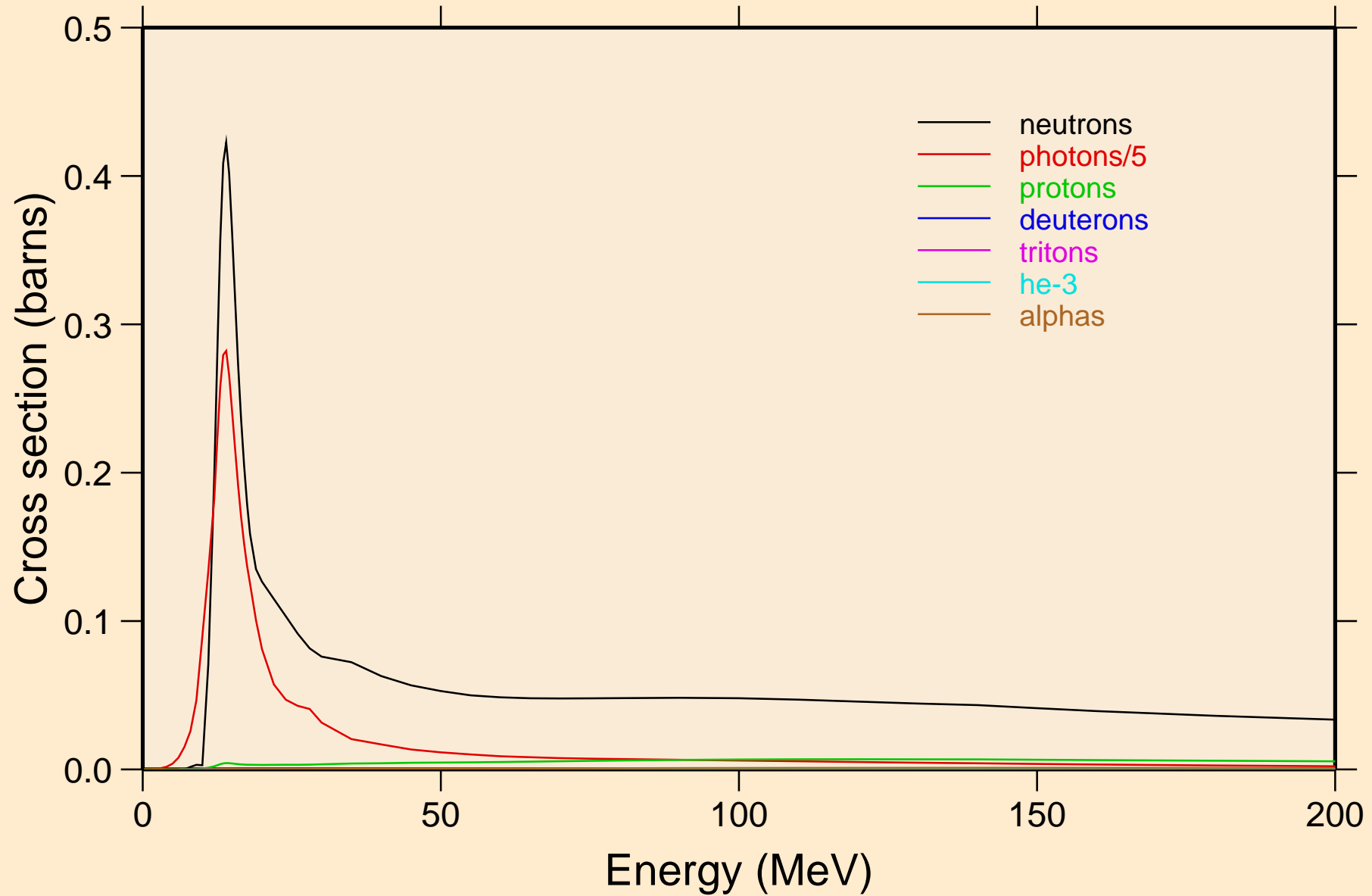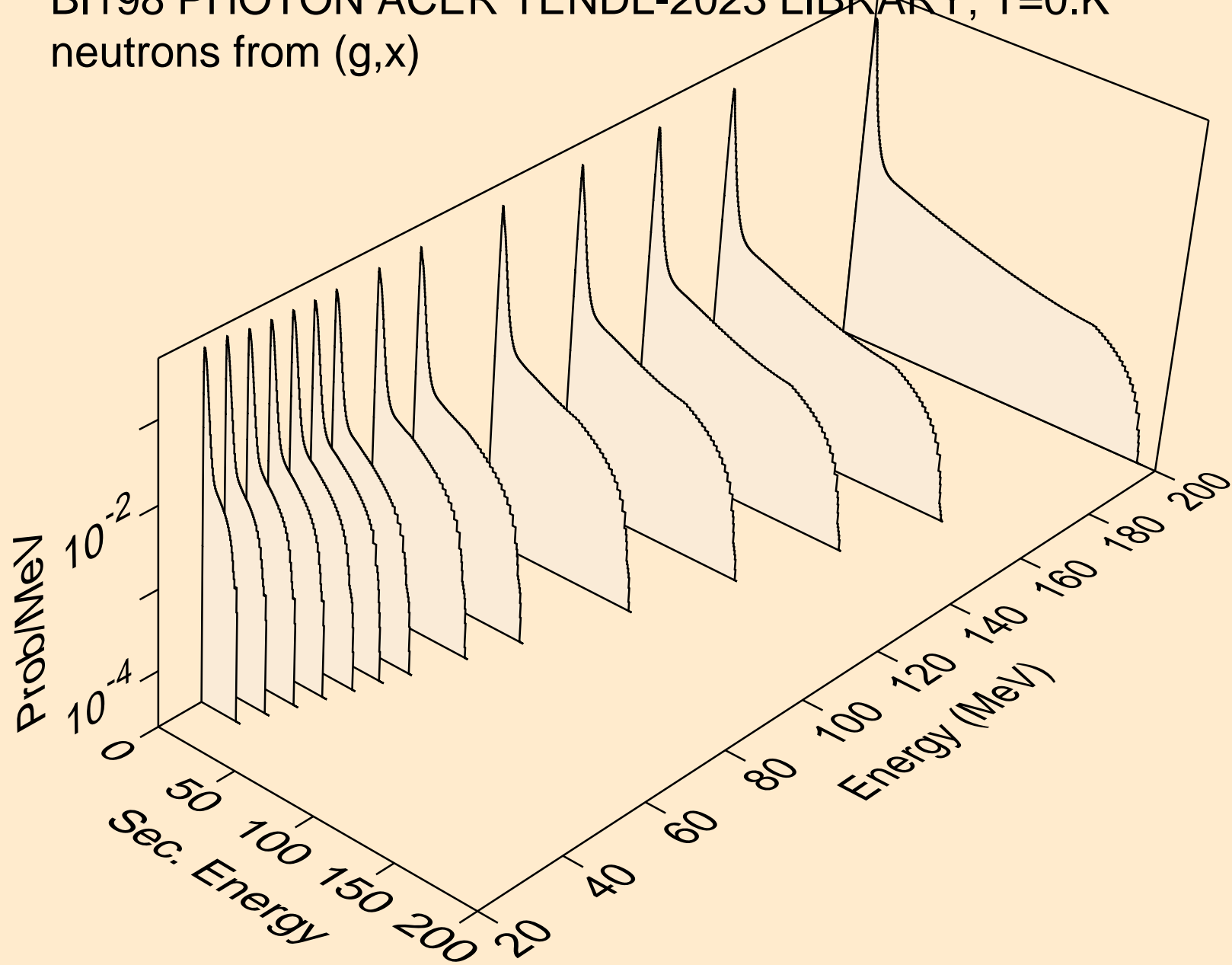BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Heating

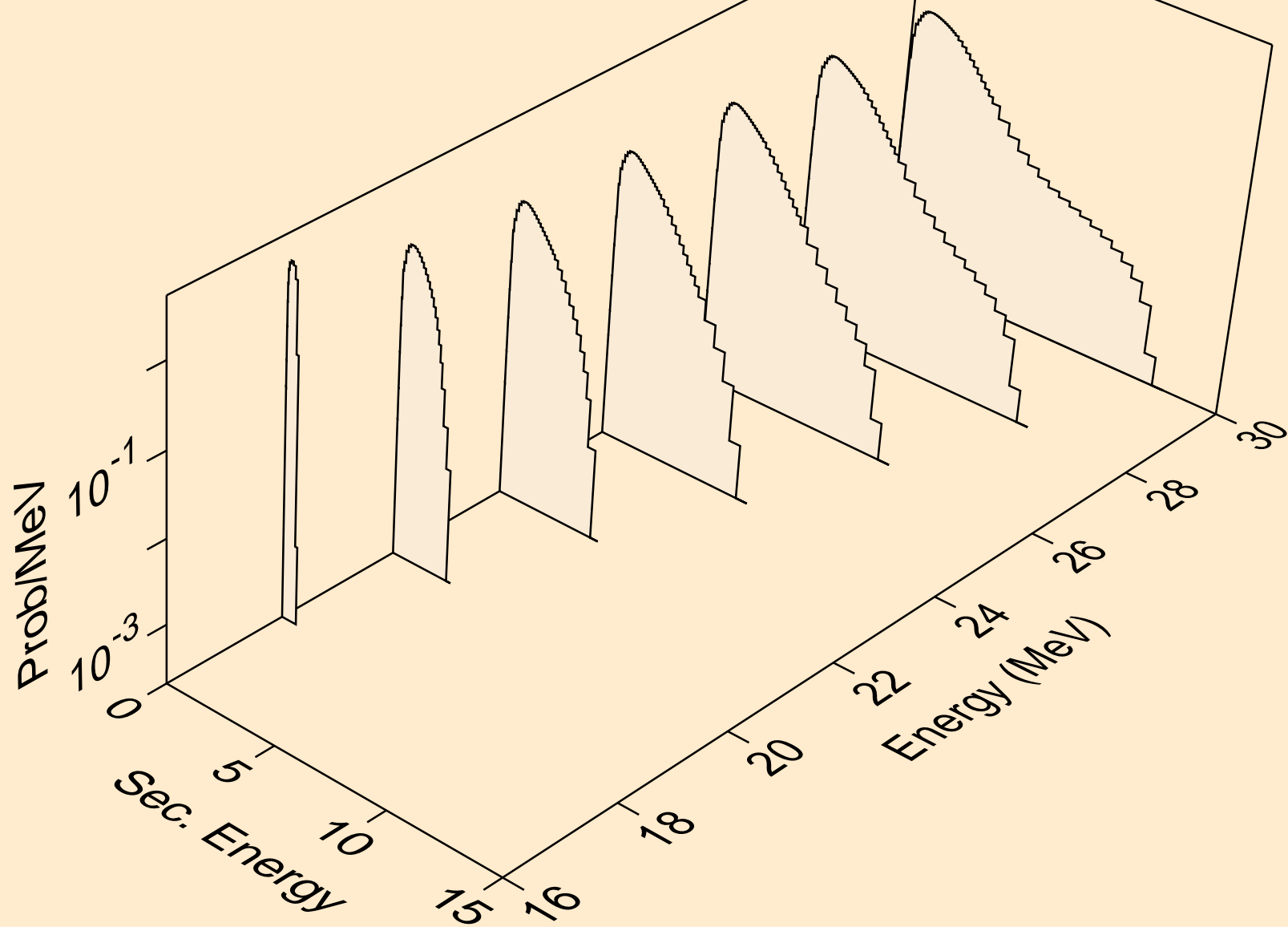BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections

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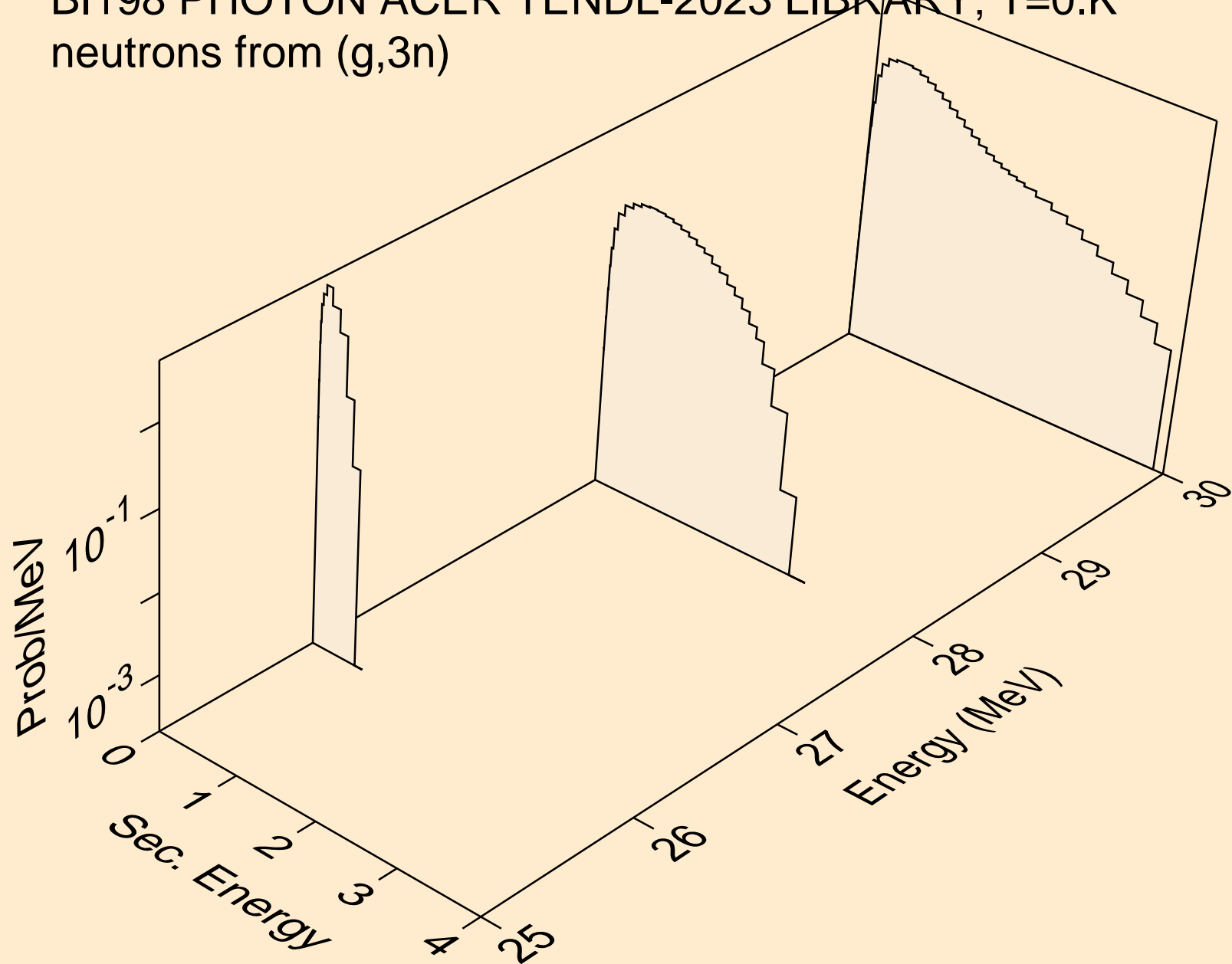- deuterons
- tritons
- he-3
- alphas

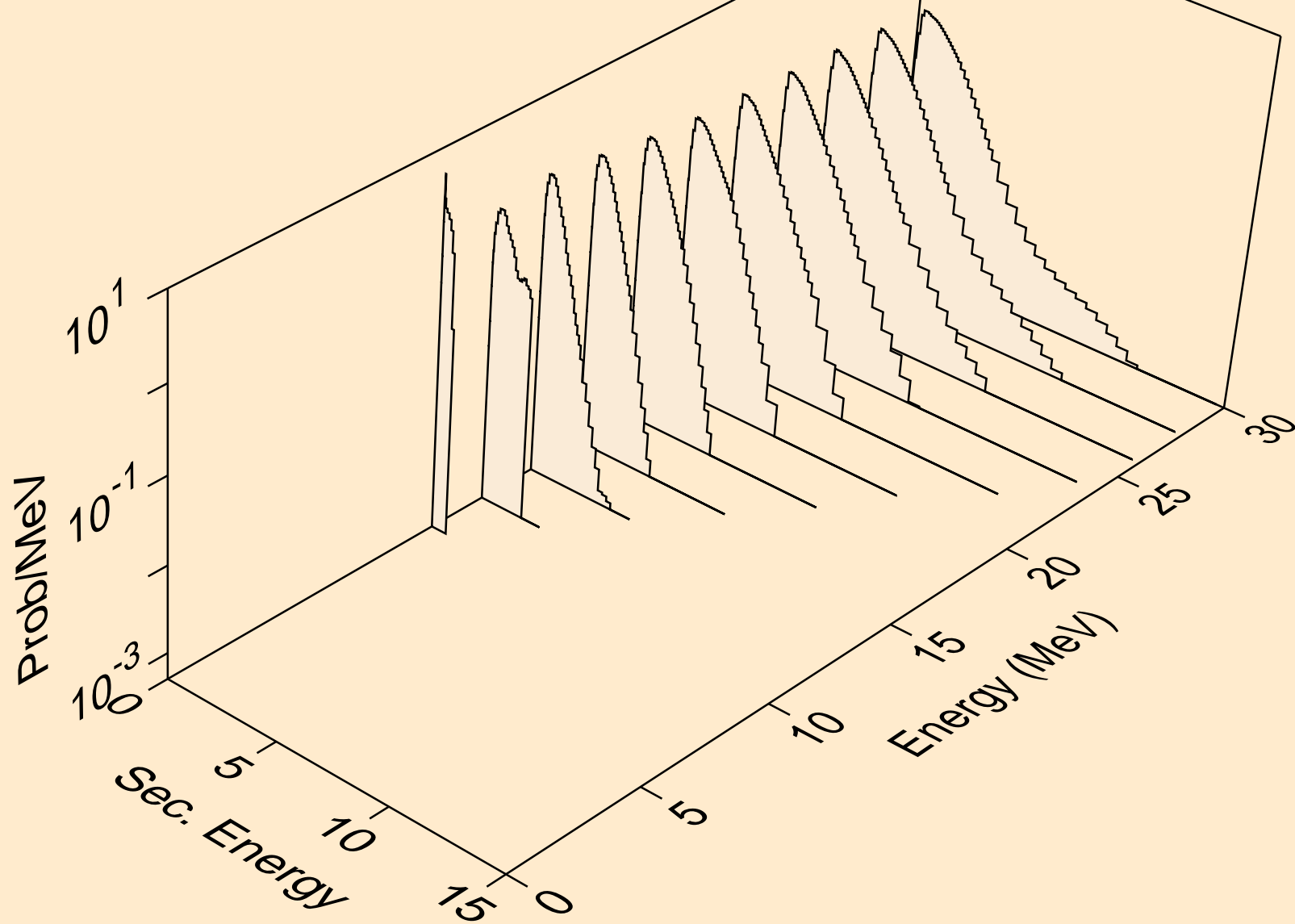BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,x)

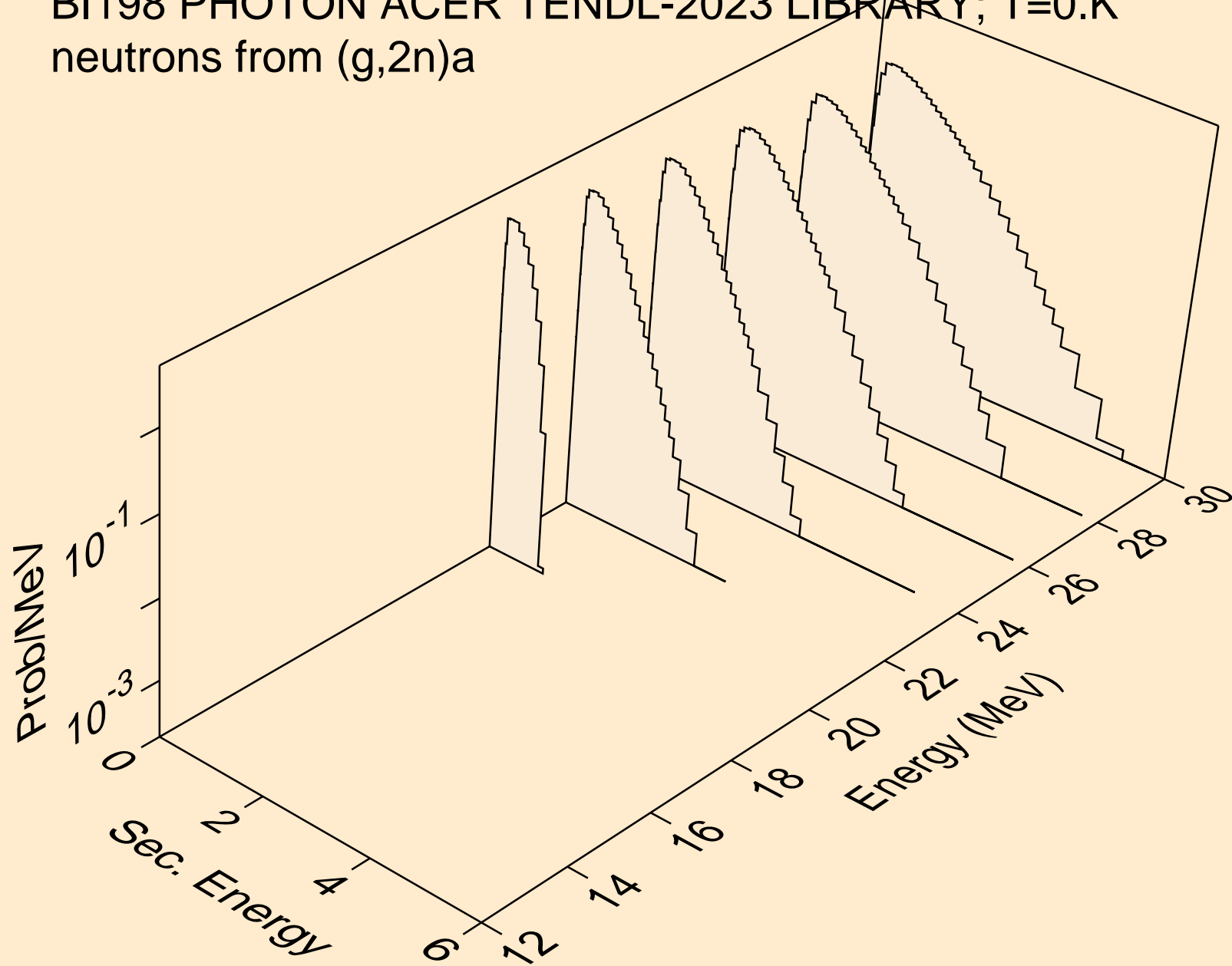BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2n)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
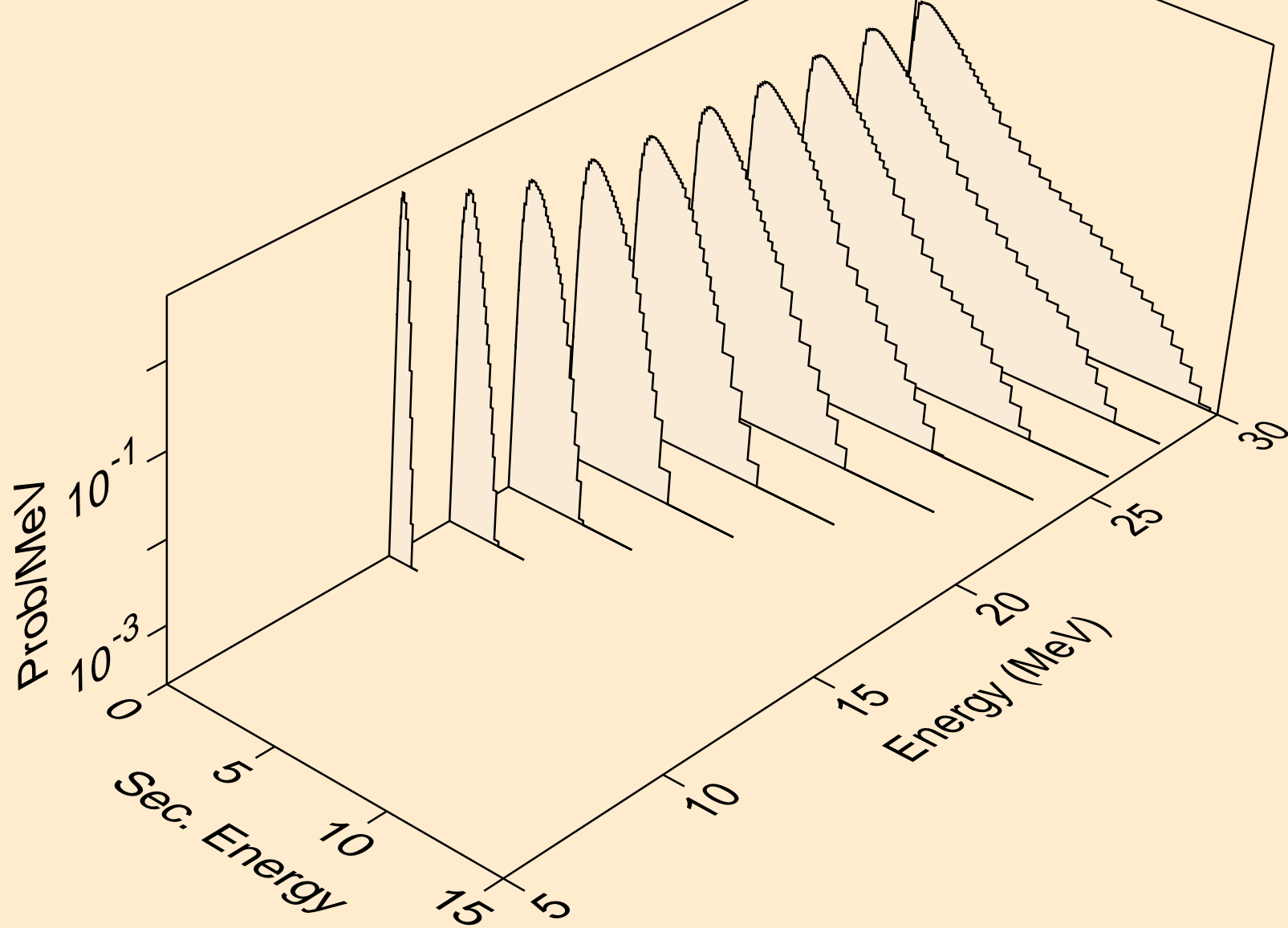neutrons from (g,3n)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)a

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,2n)a

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (g,n*)p

Prob/MeV
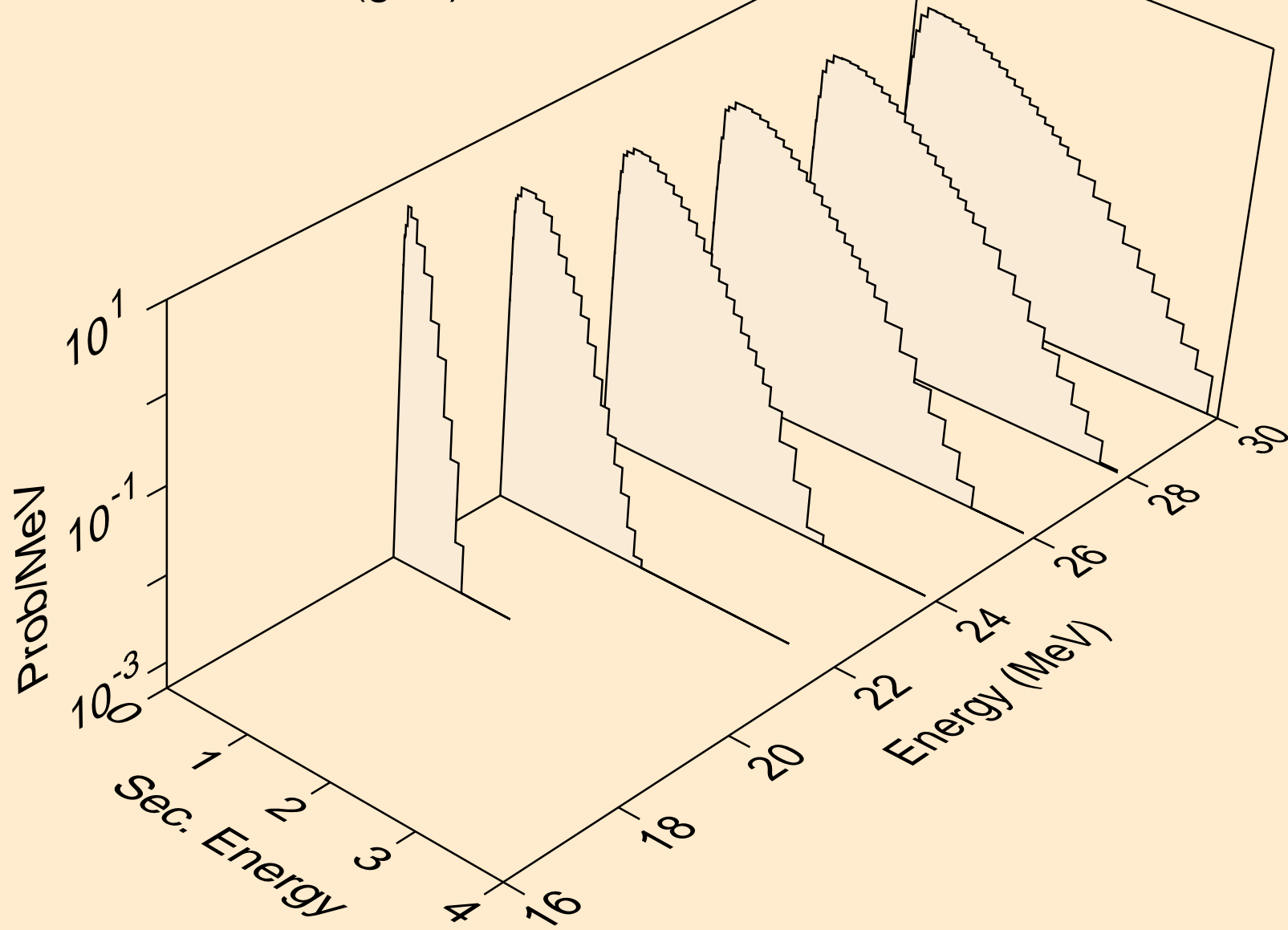
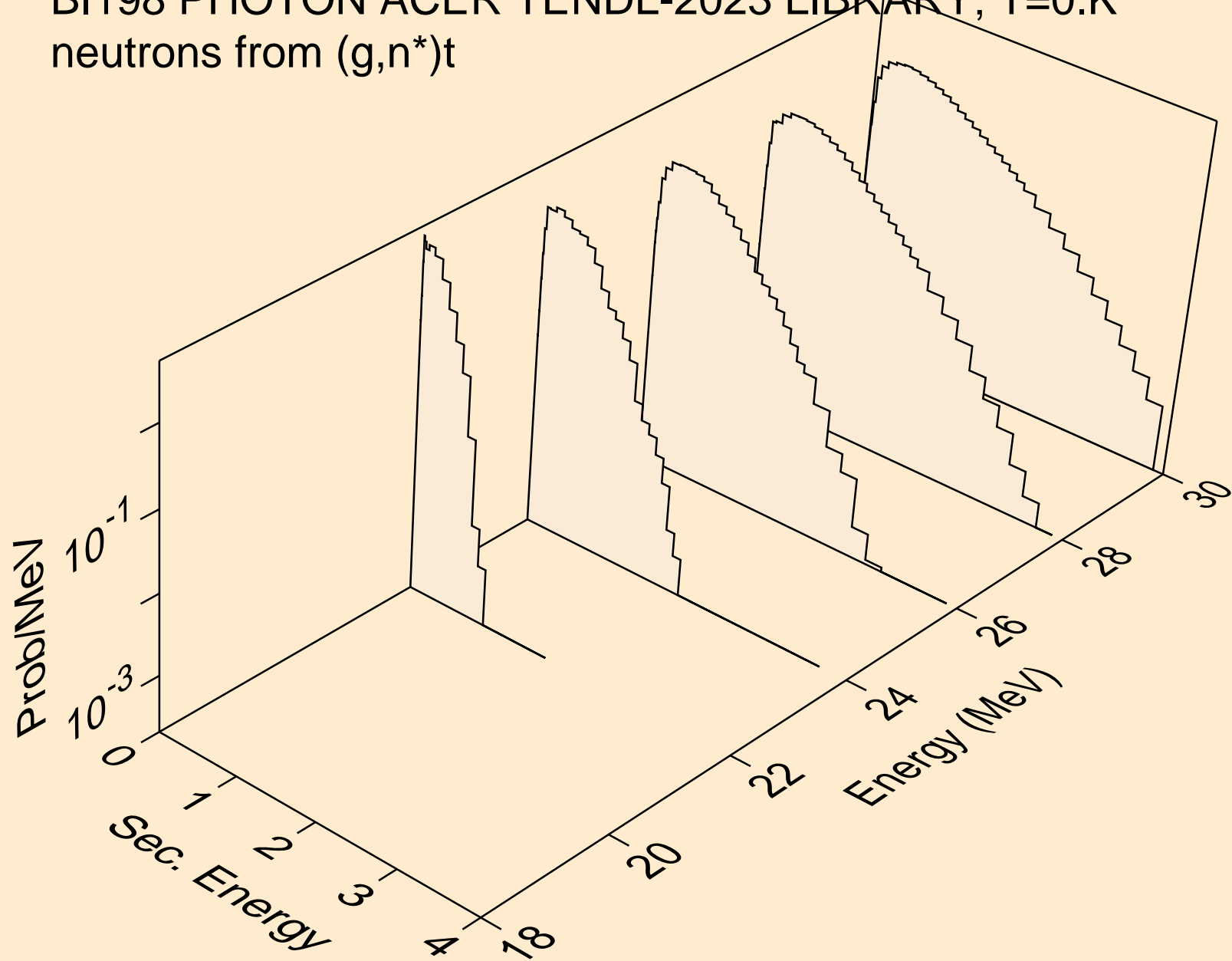10^{-1}
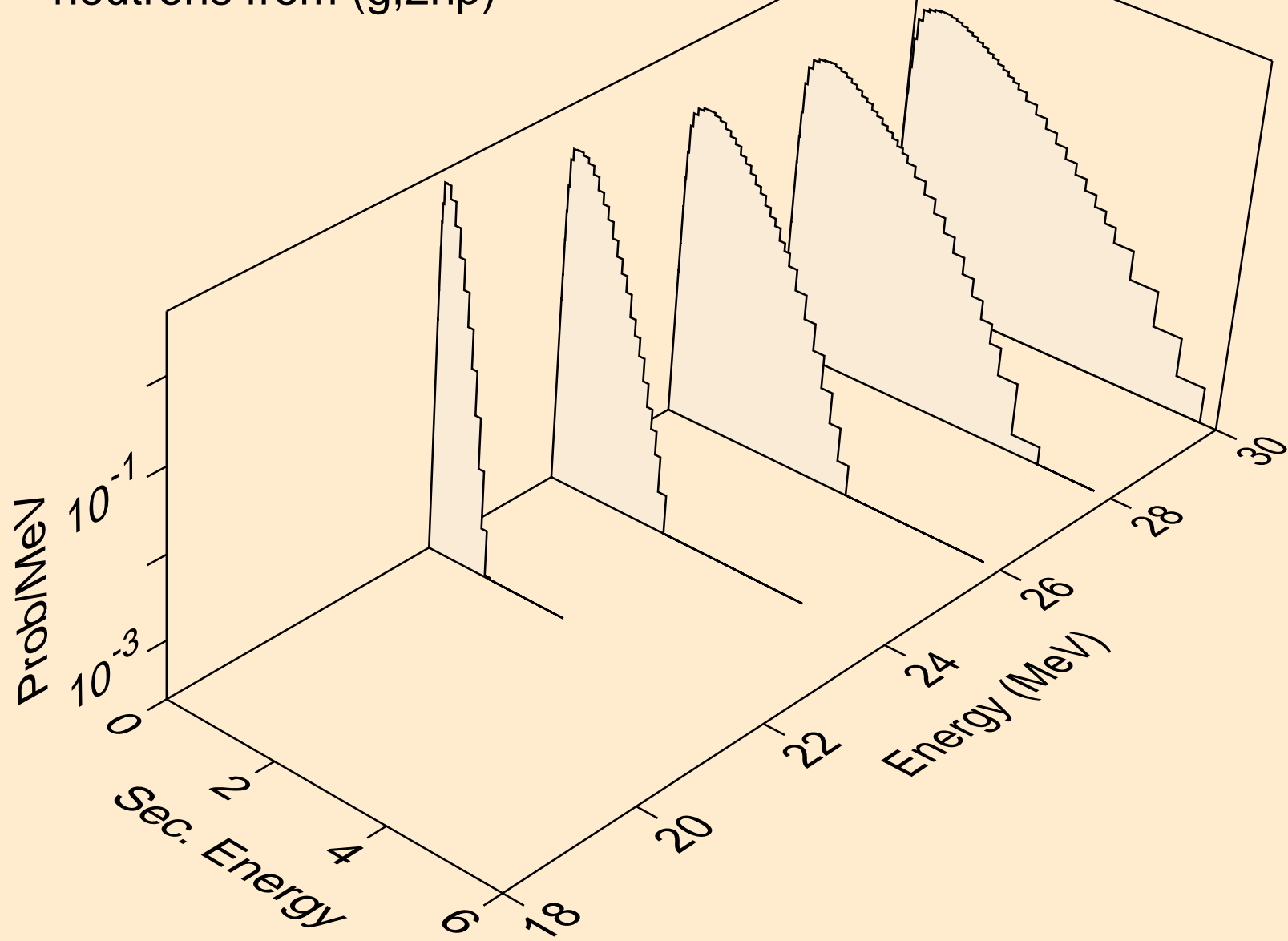
10^{-3}

Sec. Energy

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
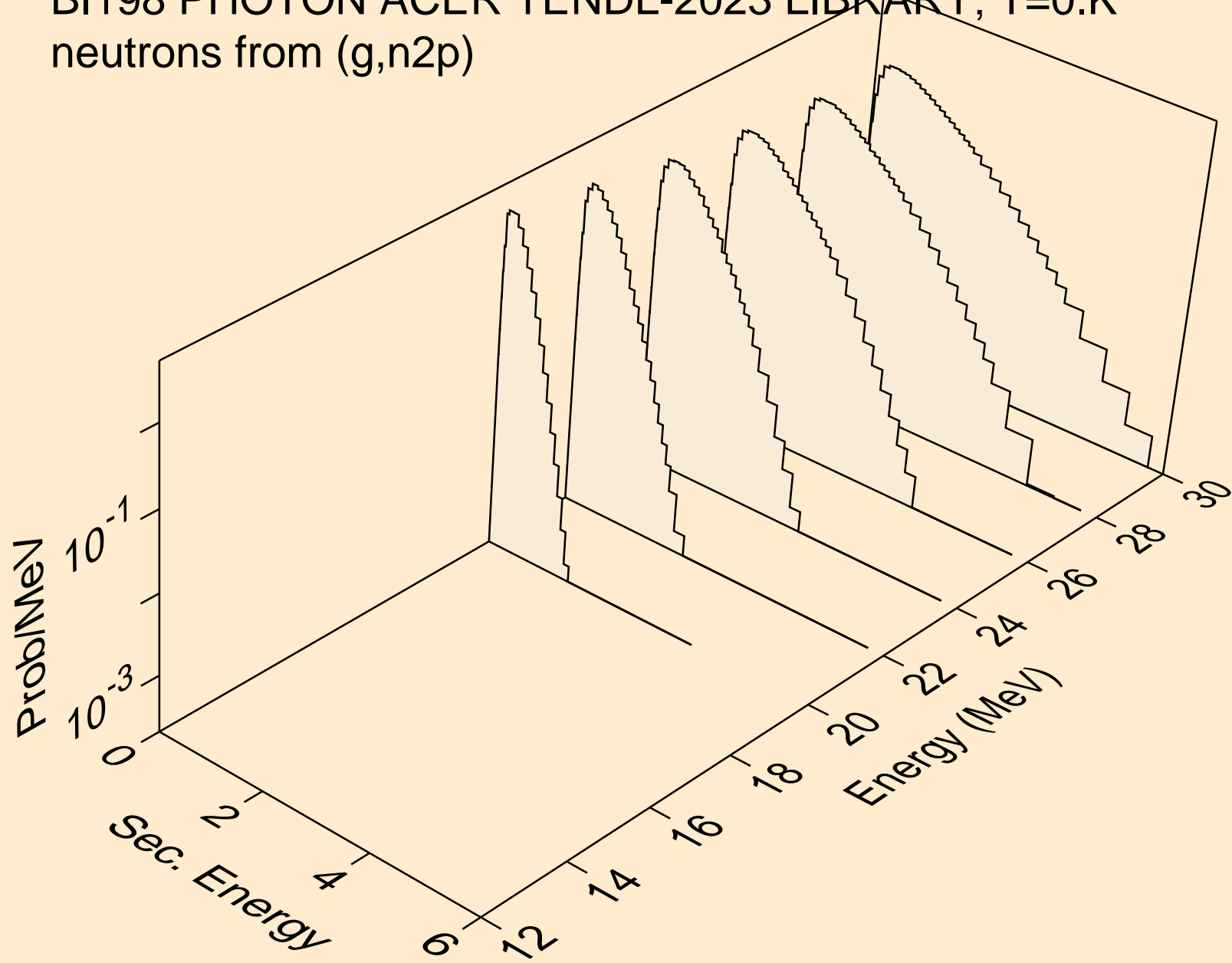neutrons from (g,n*)d

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
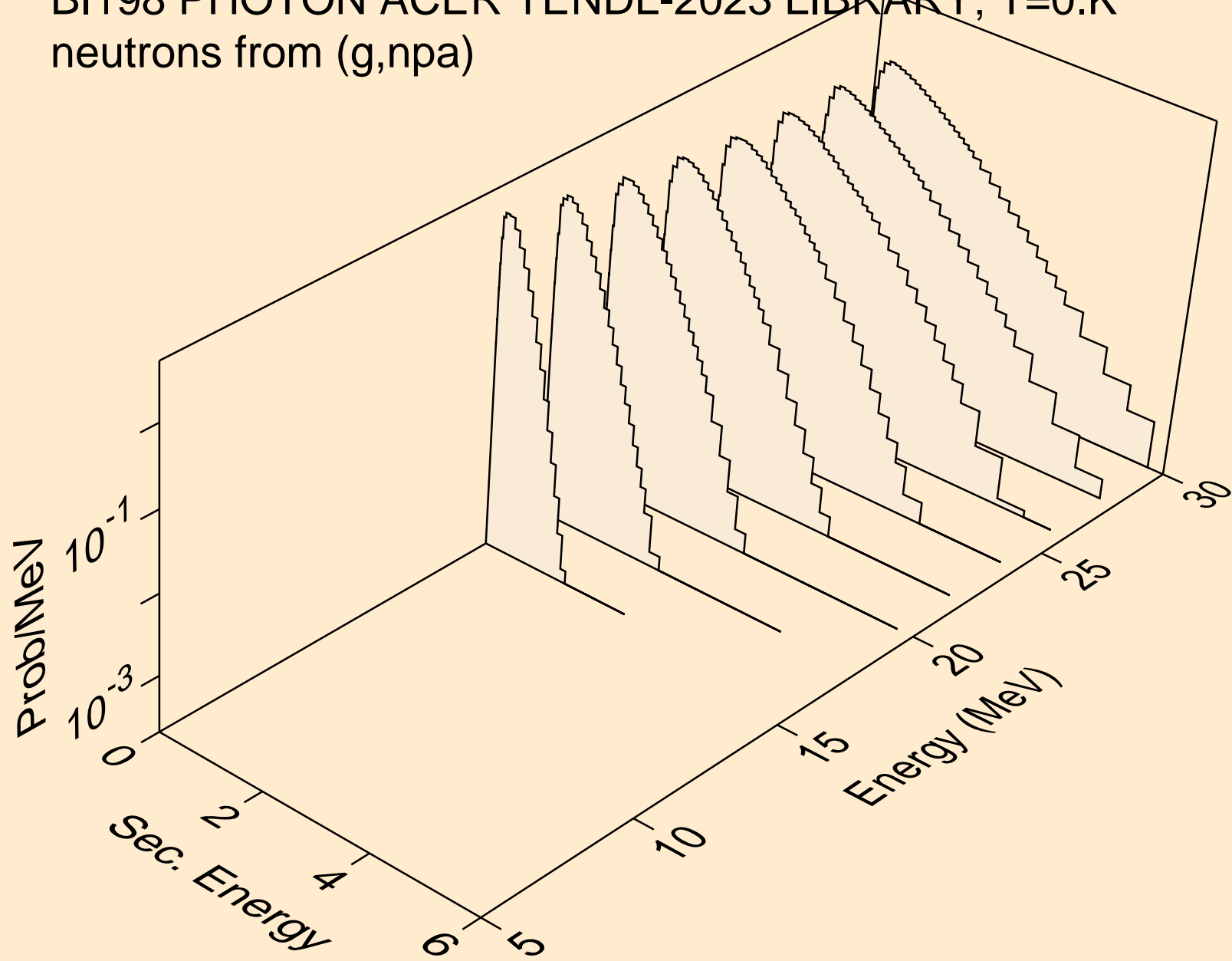neutrons from (g,n*)t

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
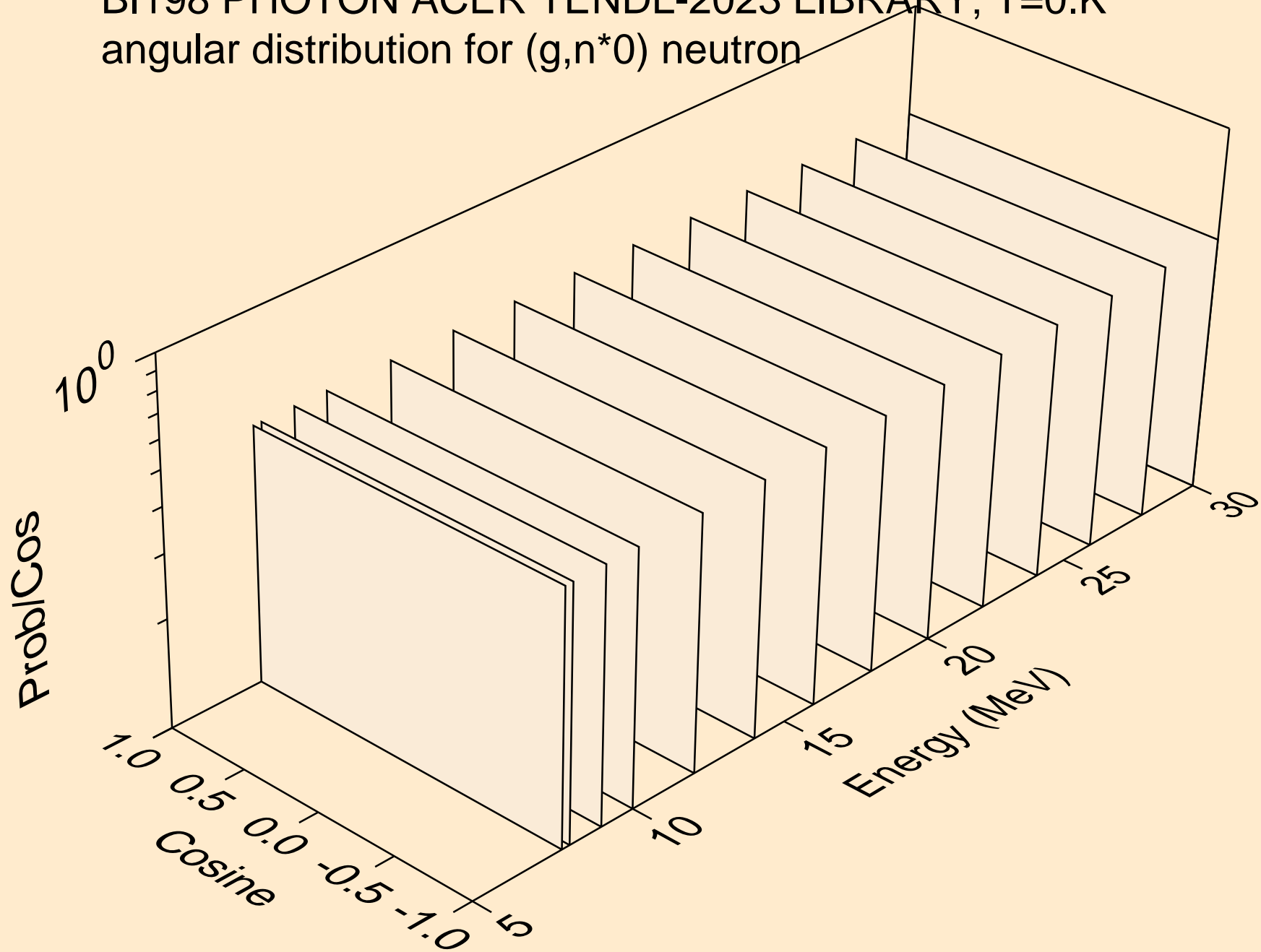neutrons from (g,2np)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
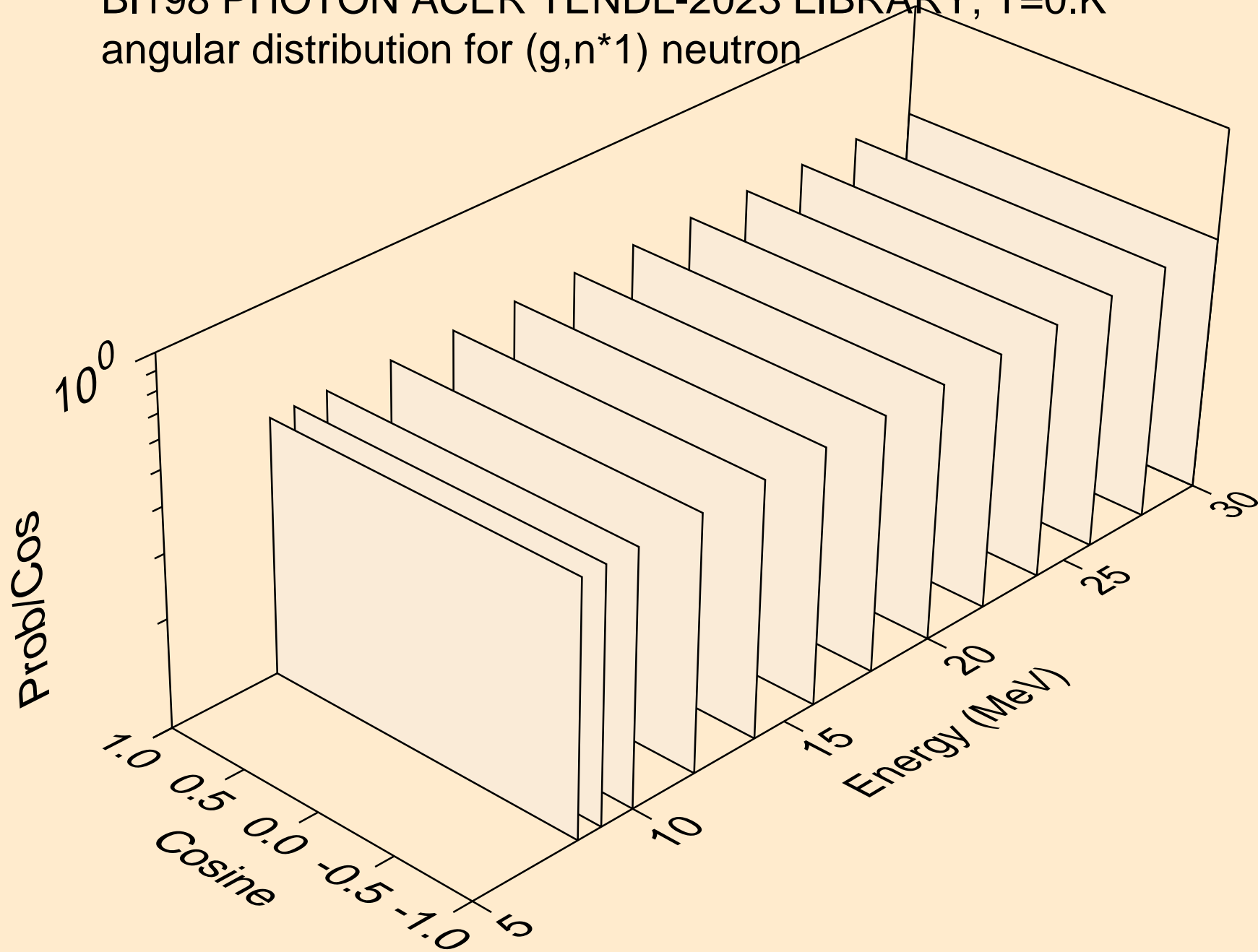neutrons from (g,n2p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
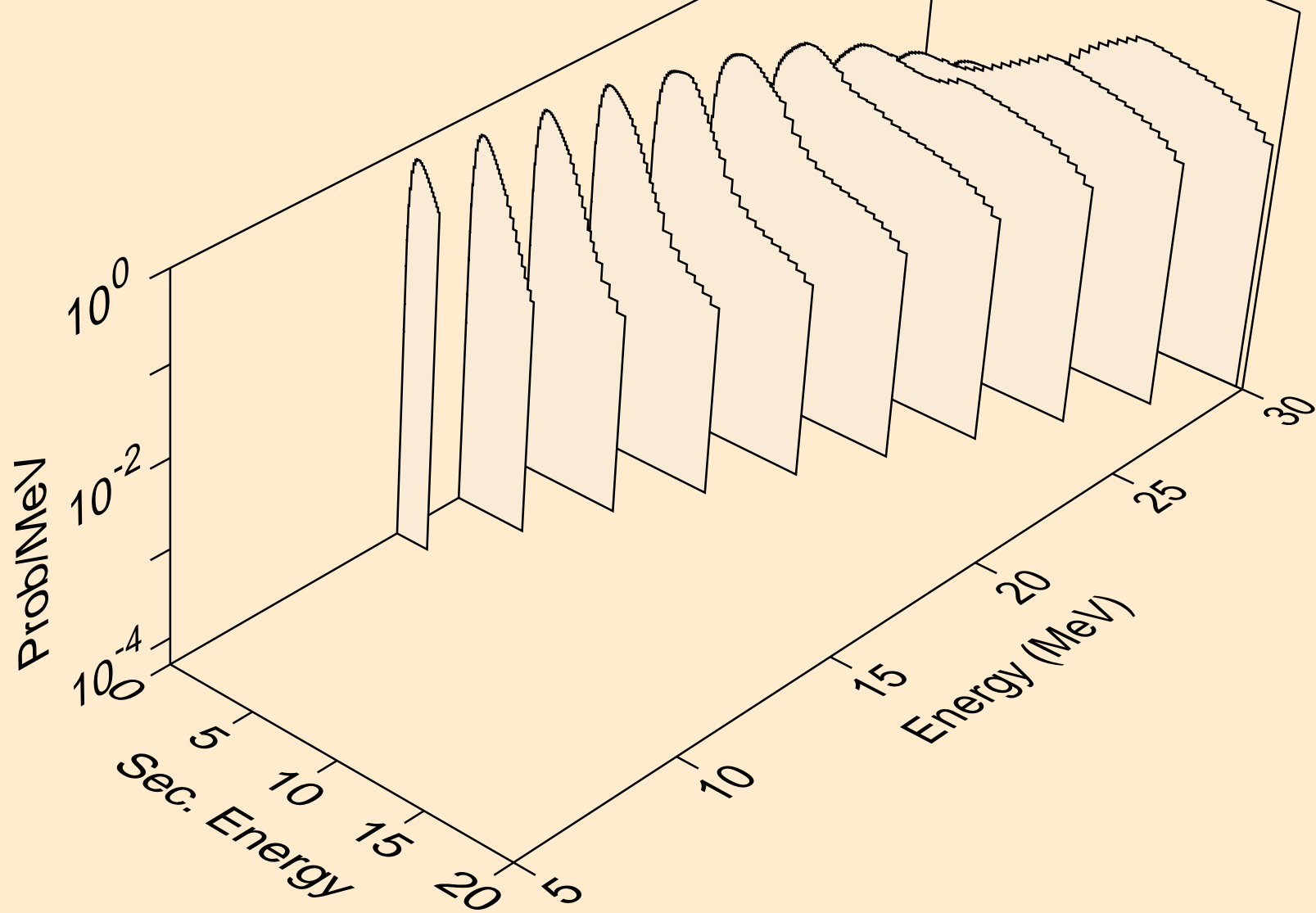neutrons from (g,npa)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
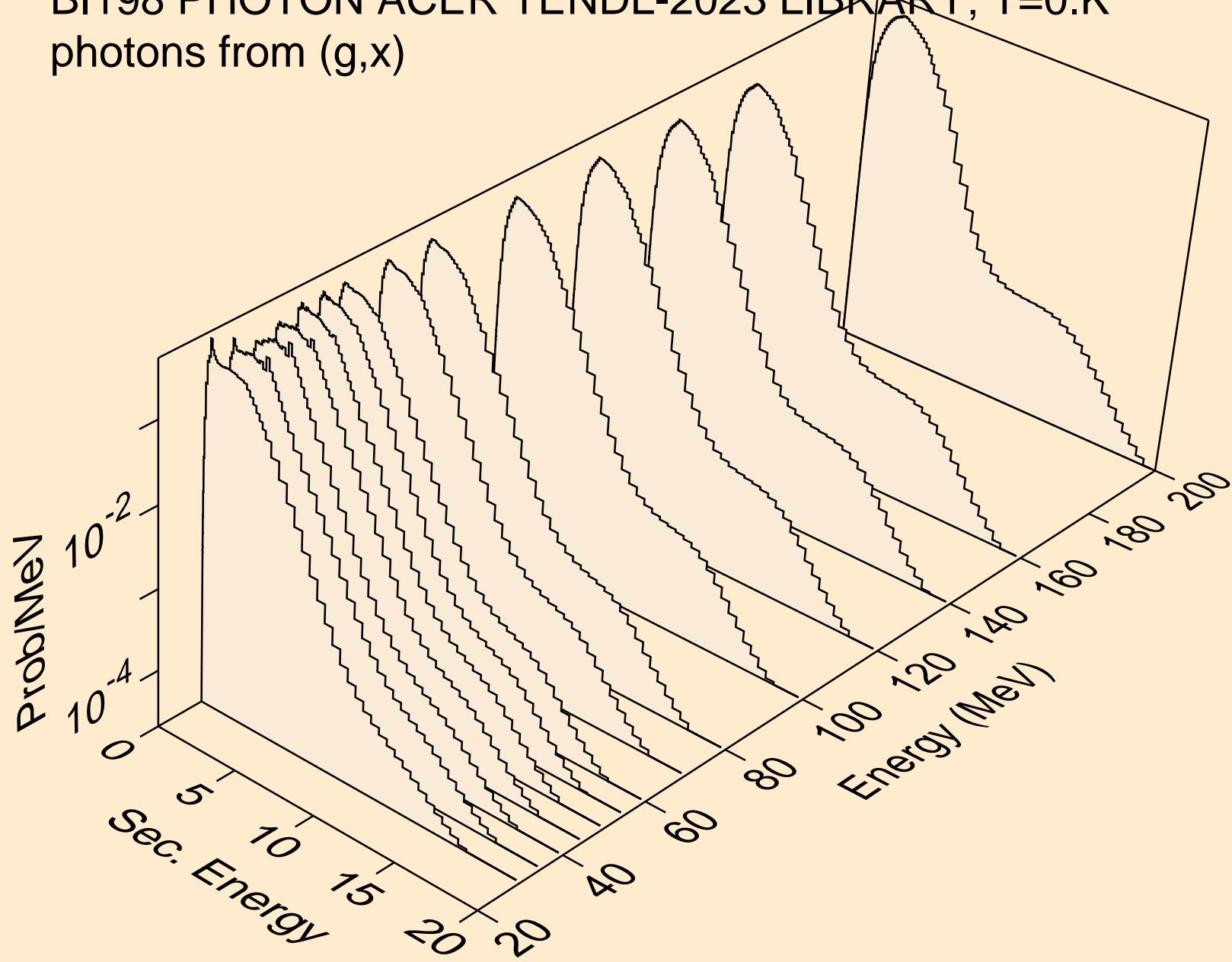angular distribution for (g,n*0) neutron

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (g,n*1) neutron

ProbICos

10^0

Cosine

1.0 0.5 0.0 -0.5 -1.0

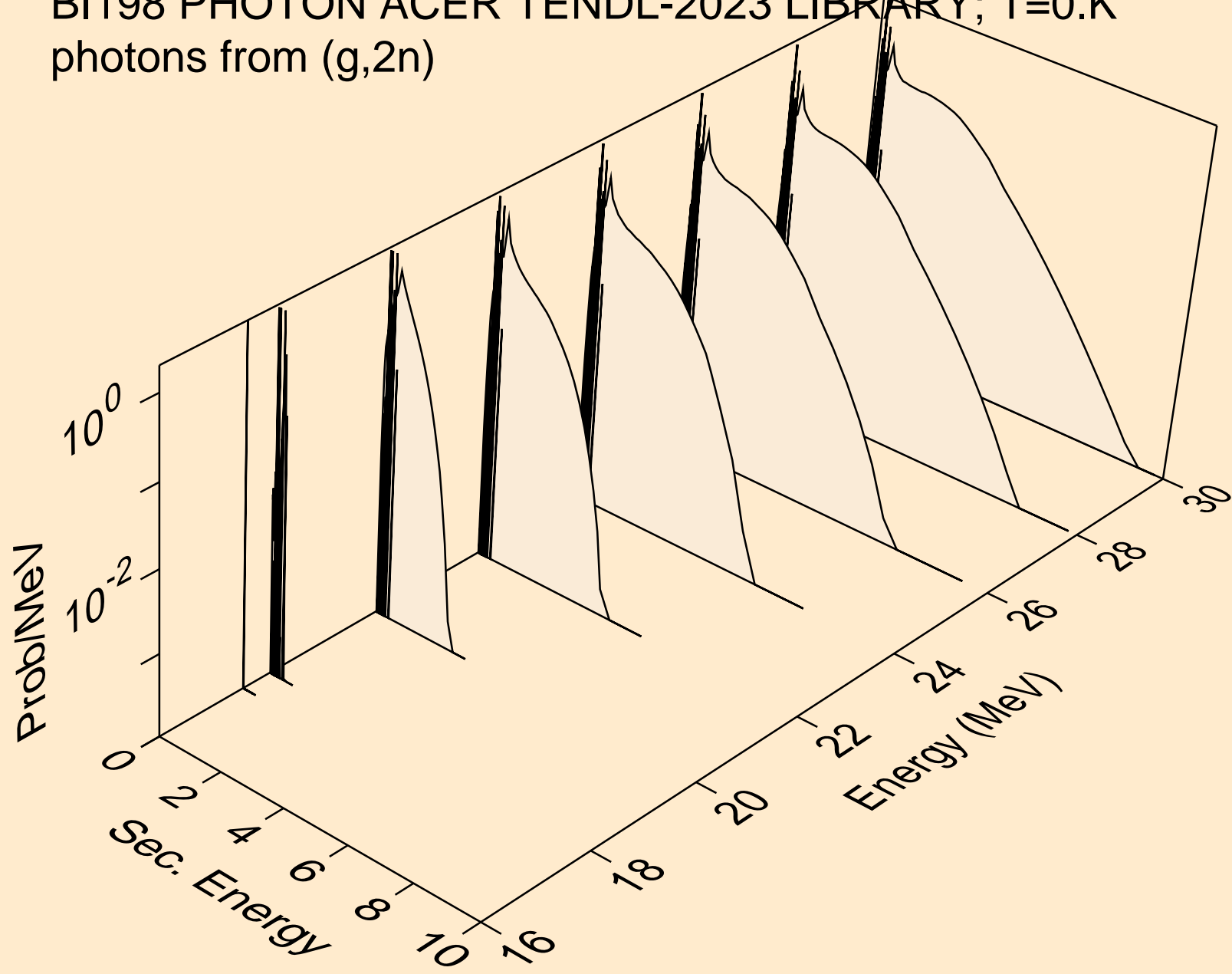Energy (MeV)

5 10 15 20 25 30

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
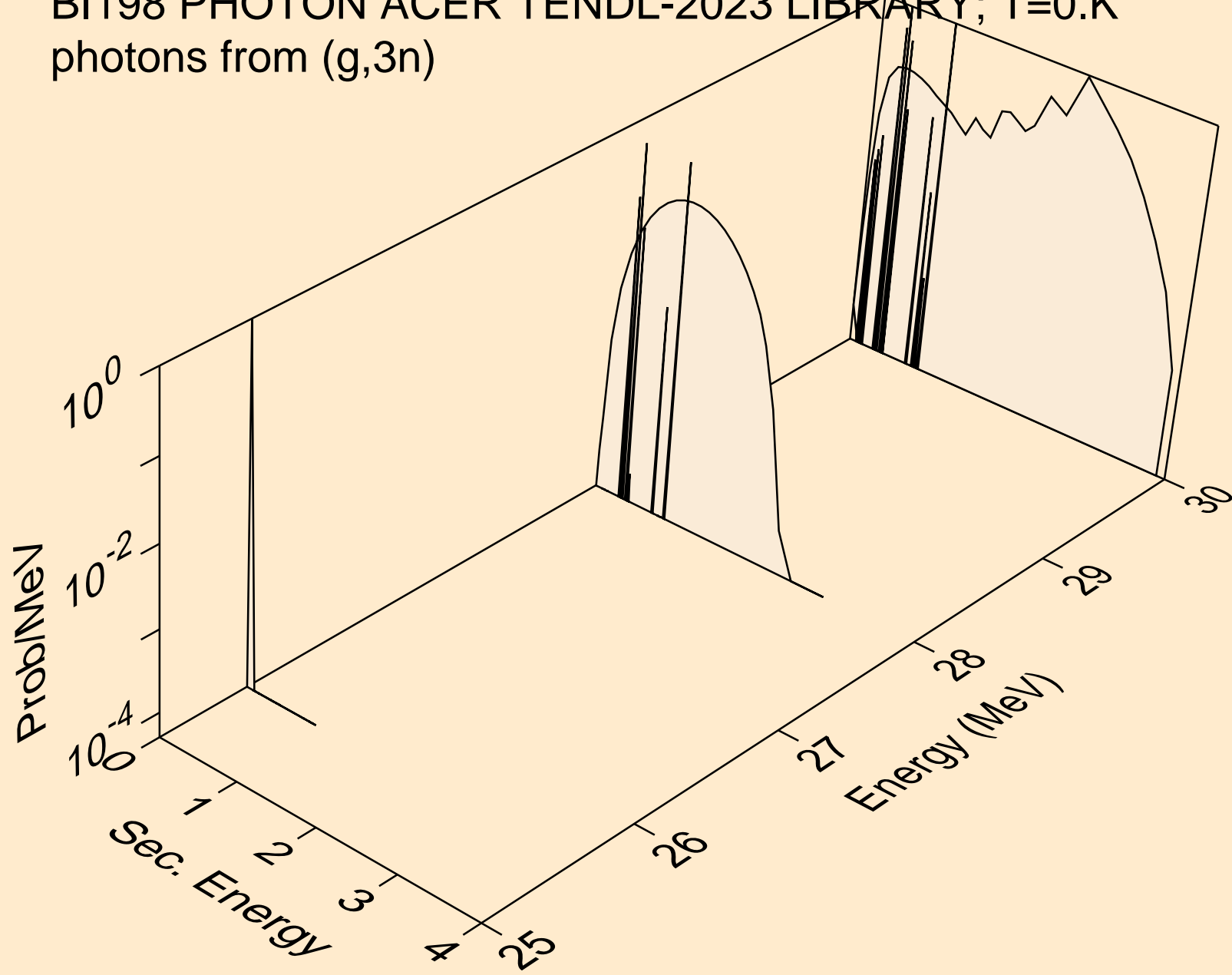neutrons from (g,n*c)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,x)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2n)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,3n)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)a

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

2 4 6 8 10

0
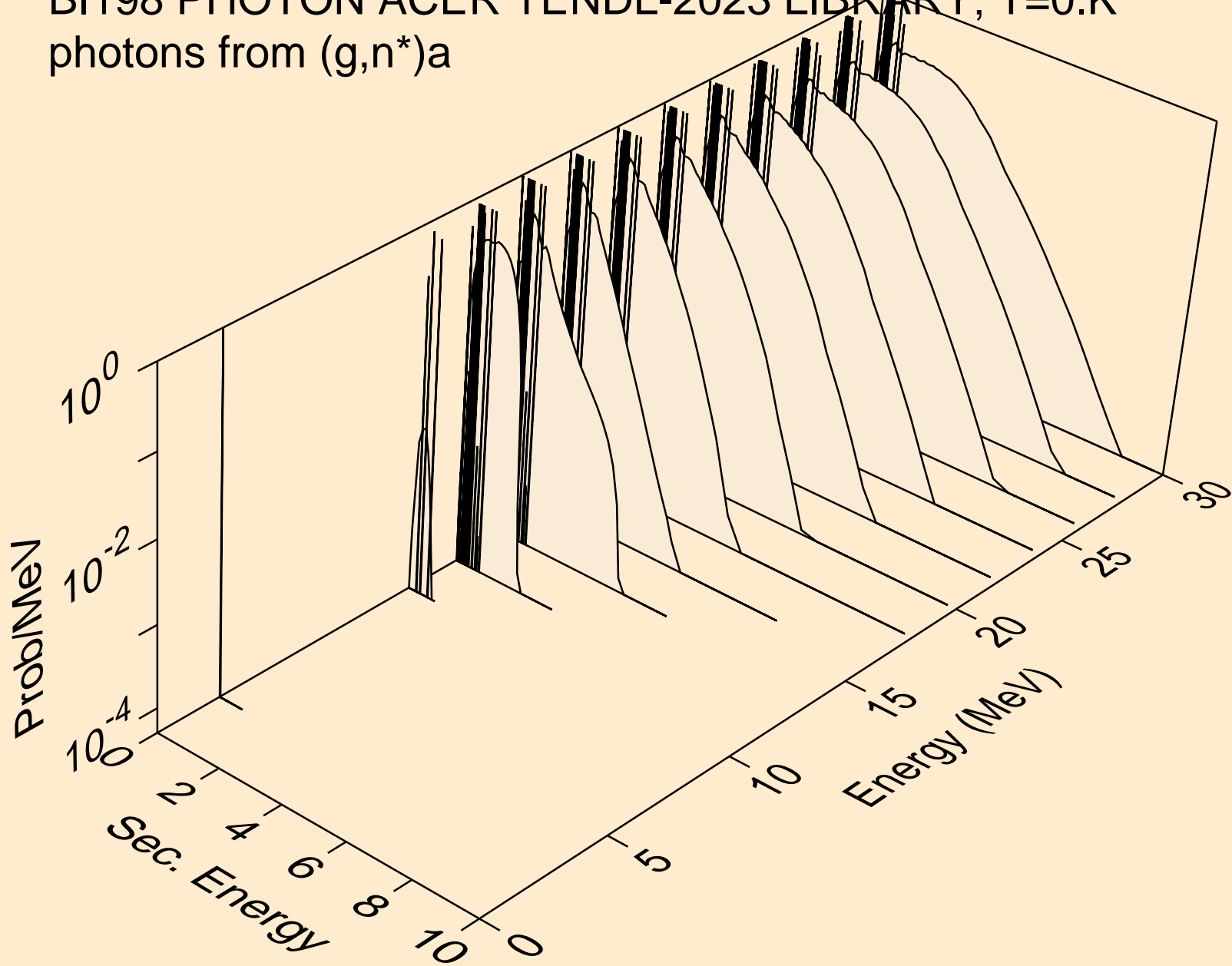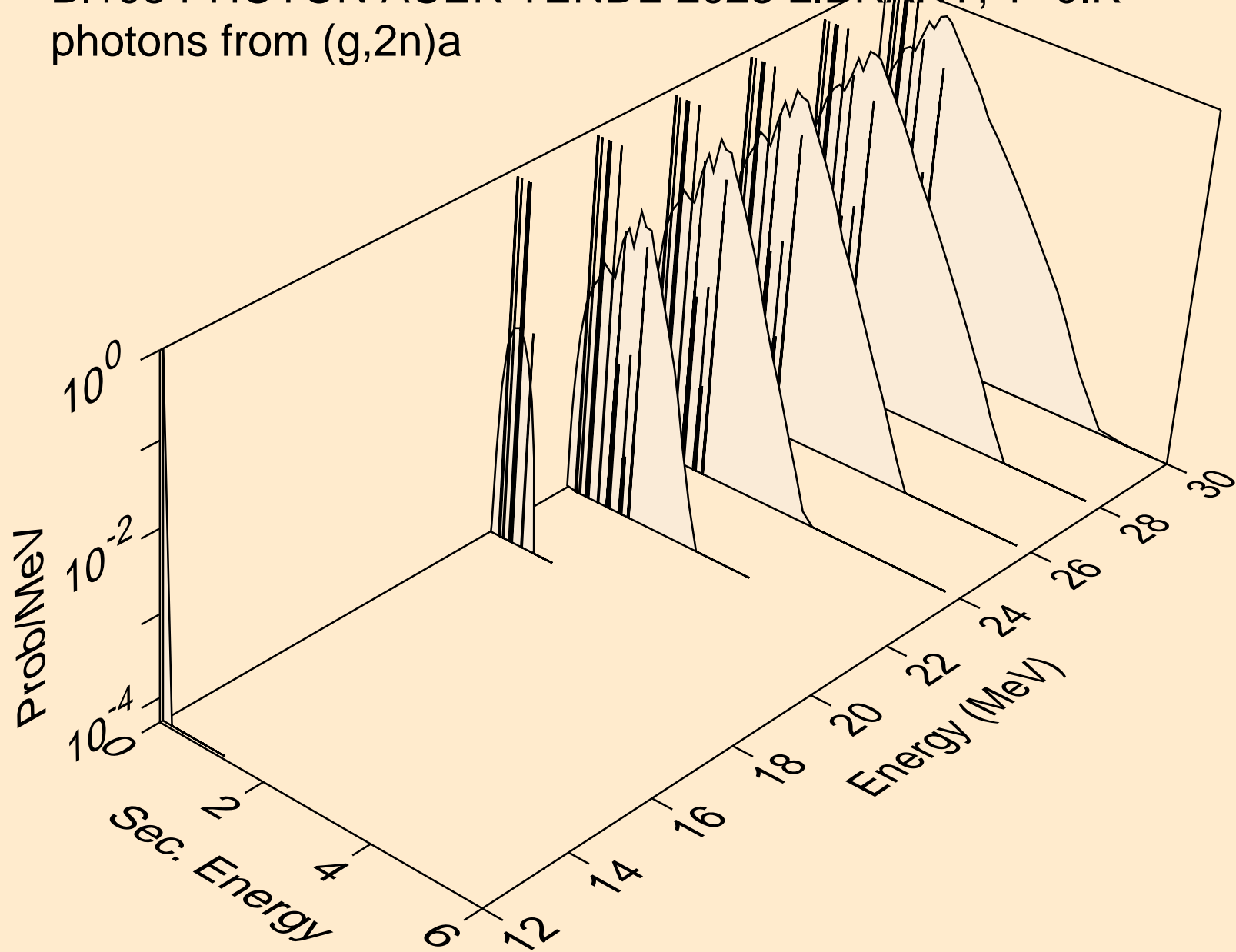
5

10

15

20

25

30

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2n)a

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)p

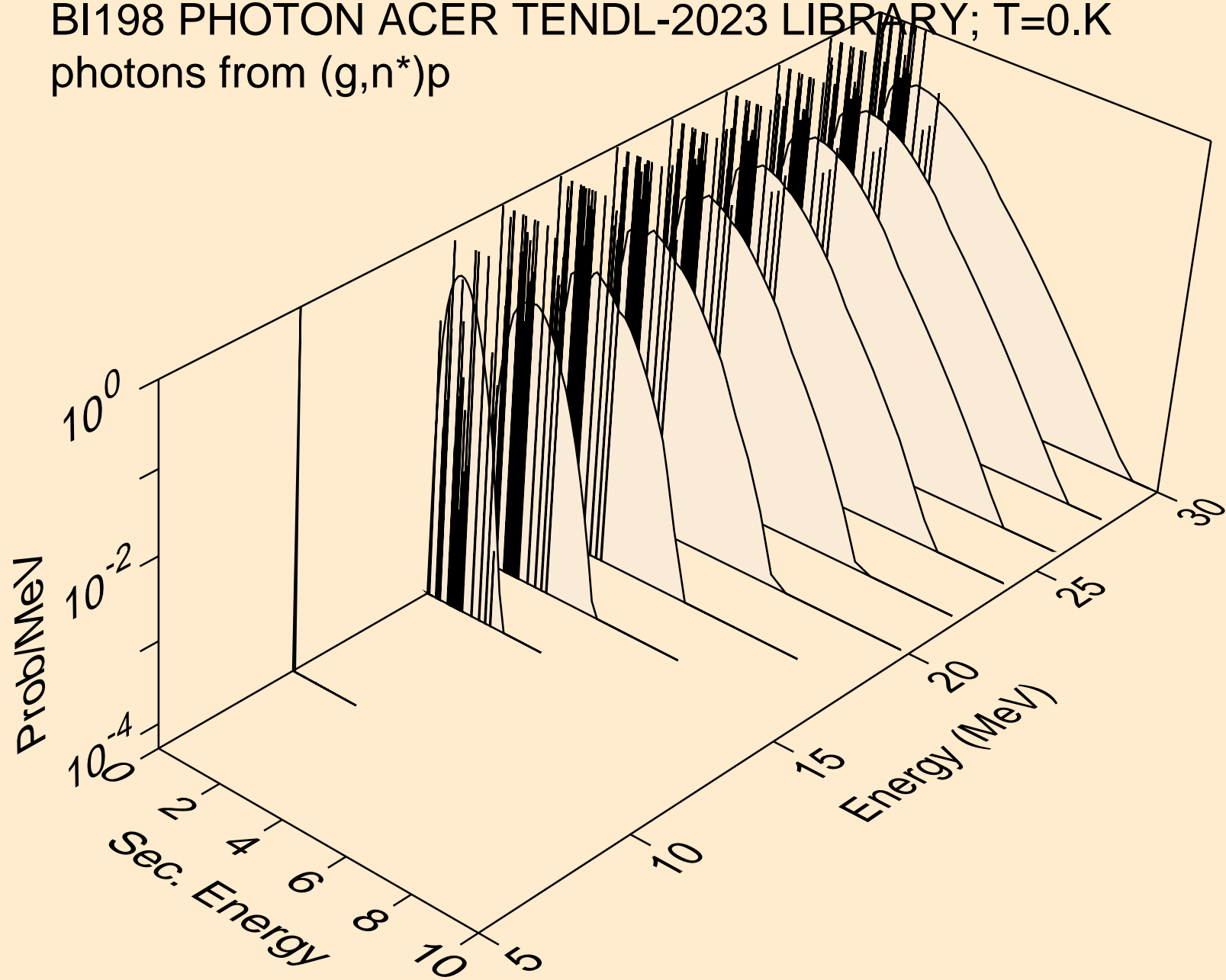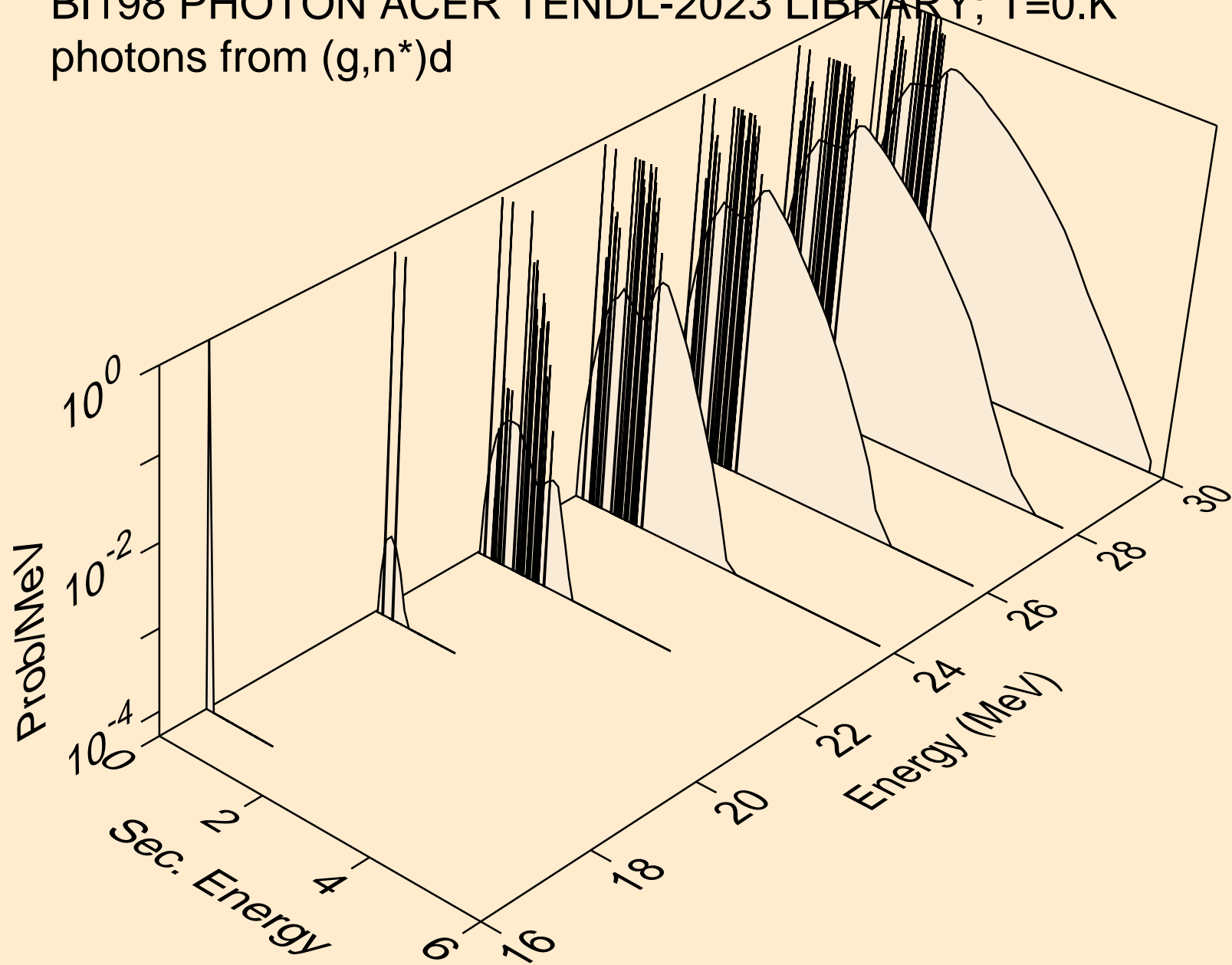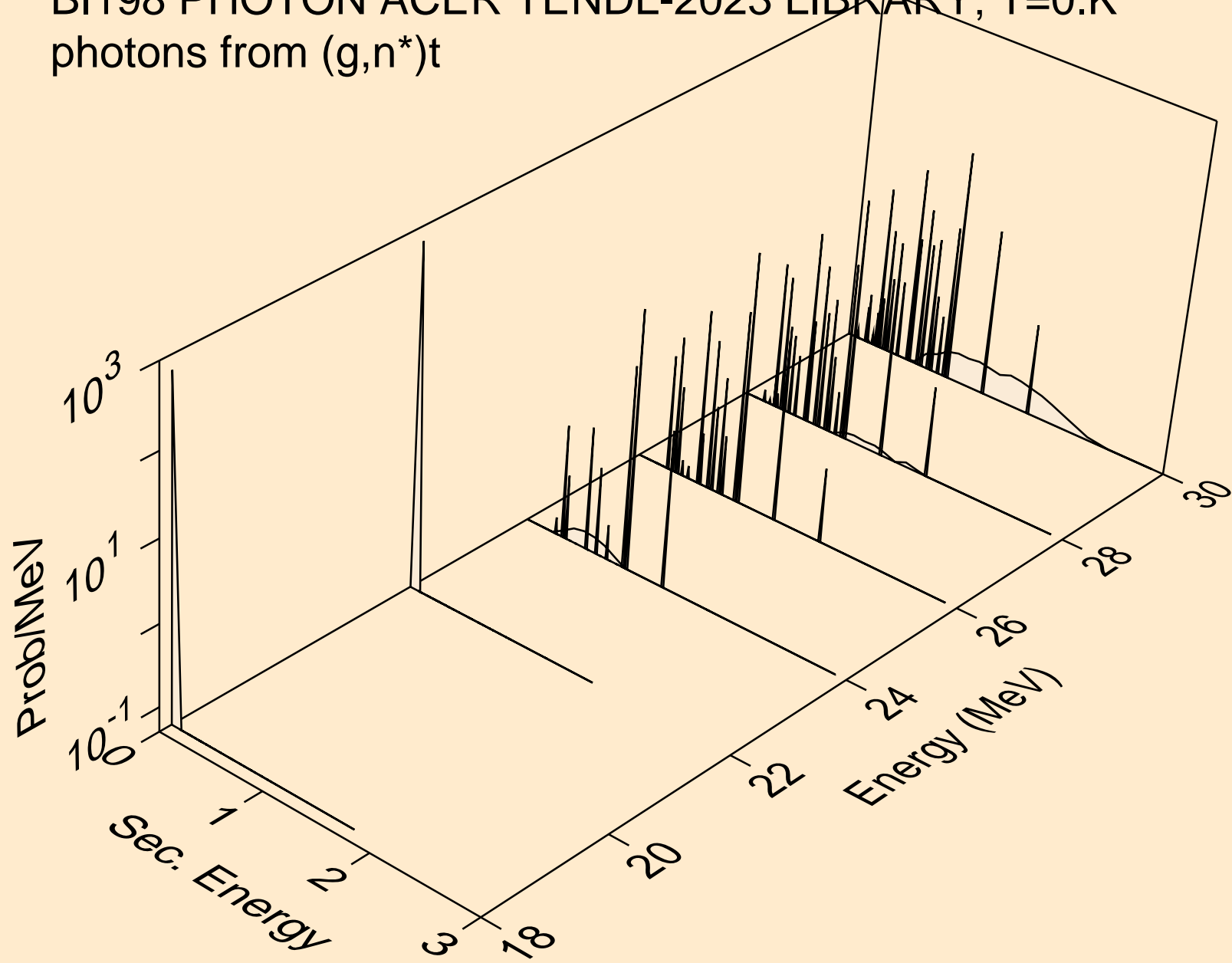BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)d

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*)t

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2np)

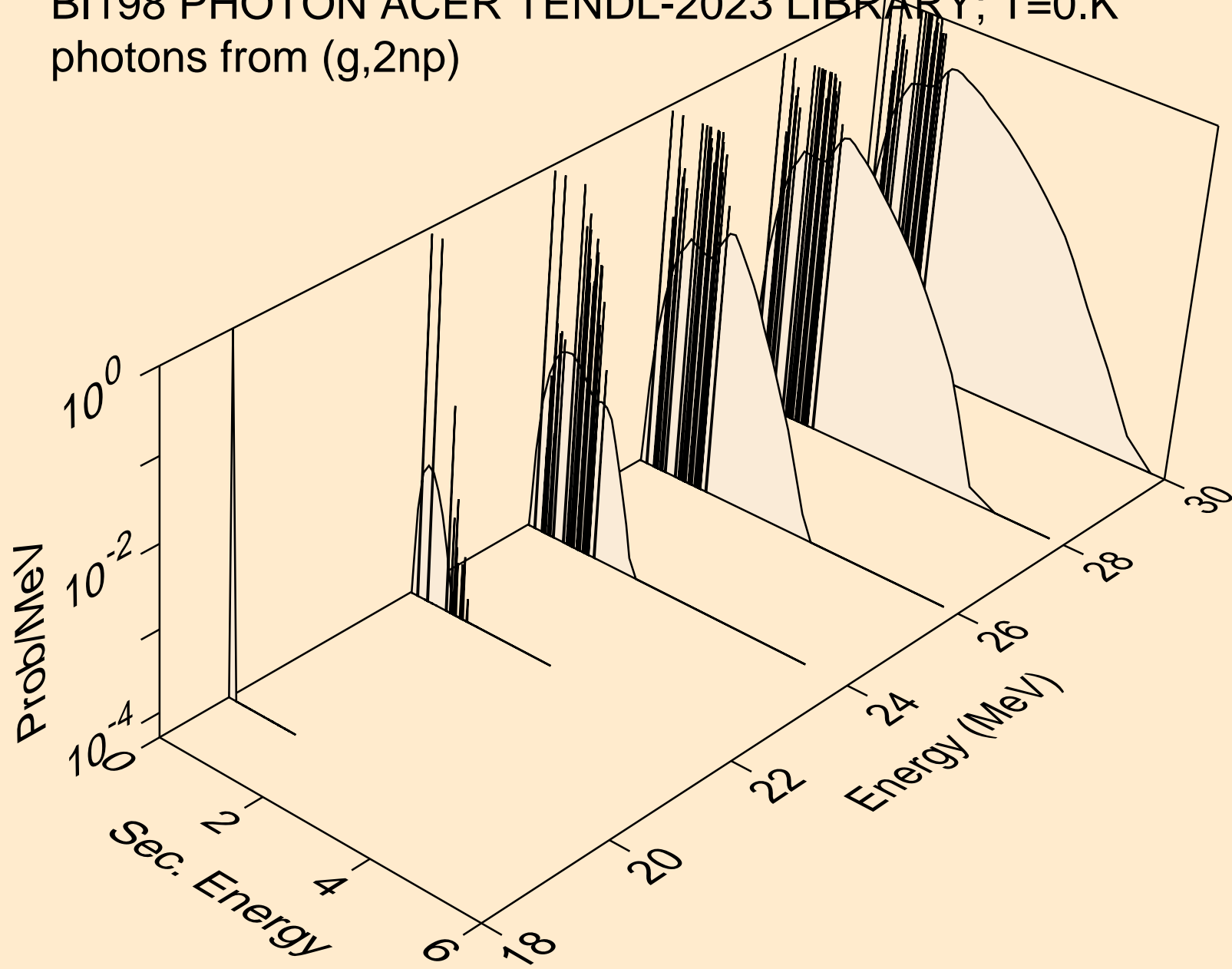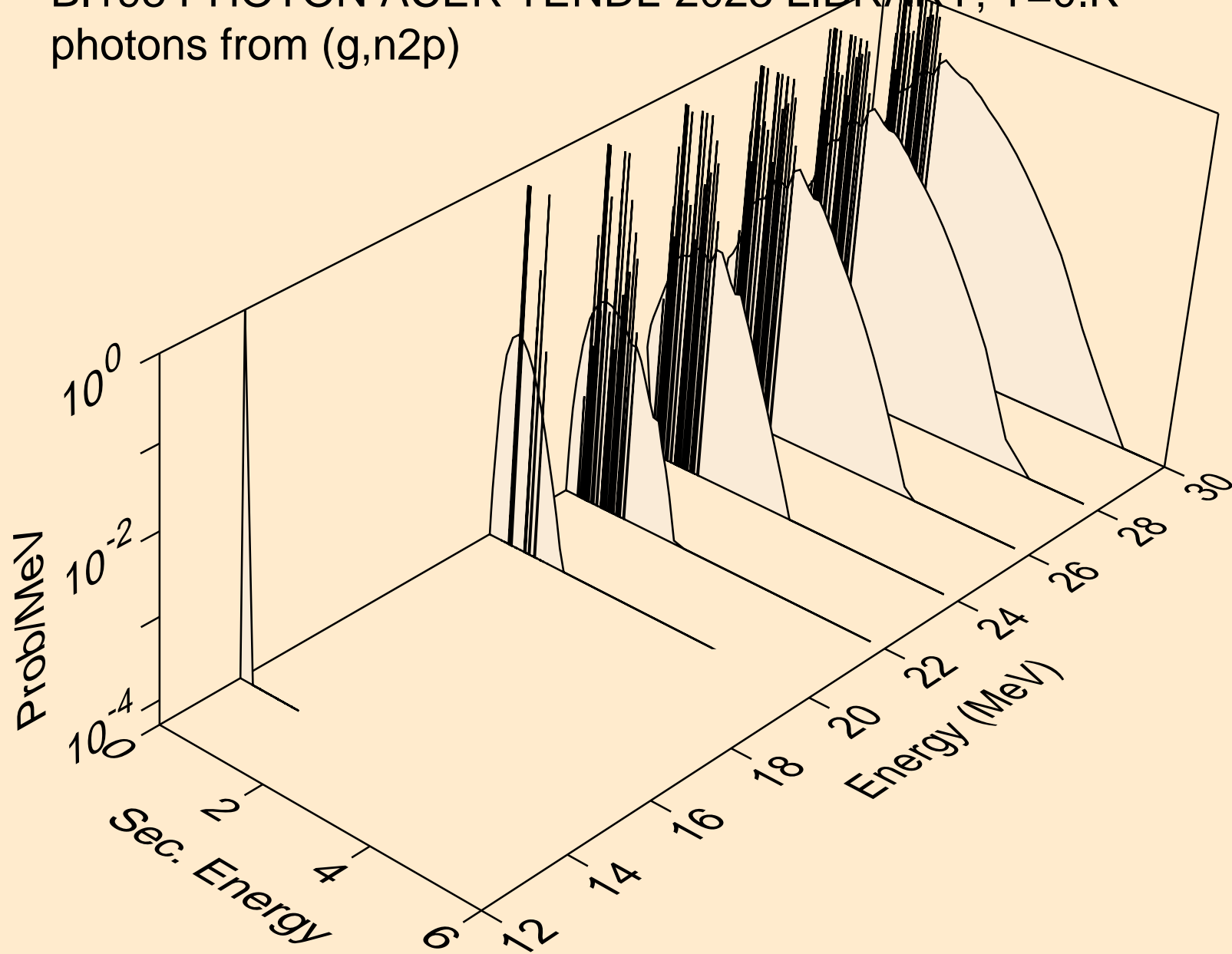BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n2p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,npa)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,n*c)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,gma)
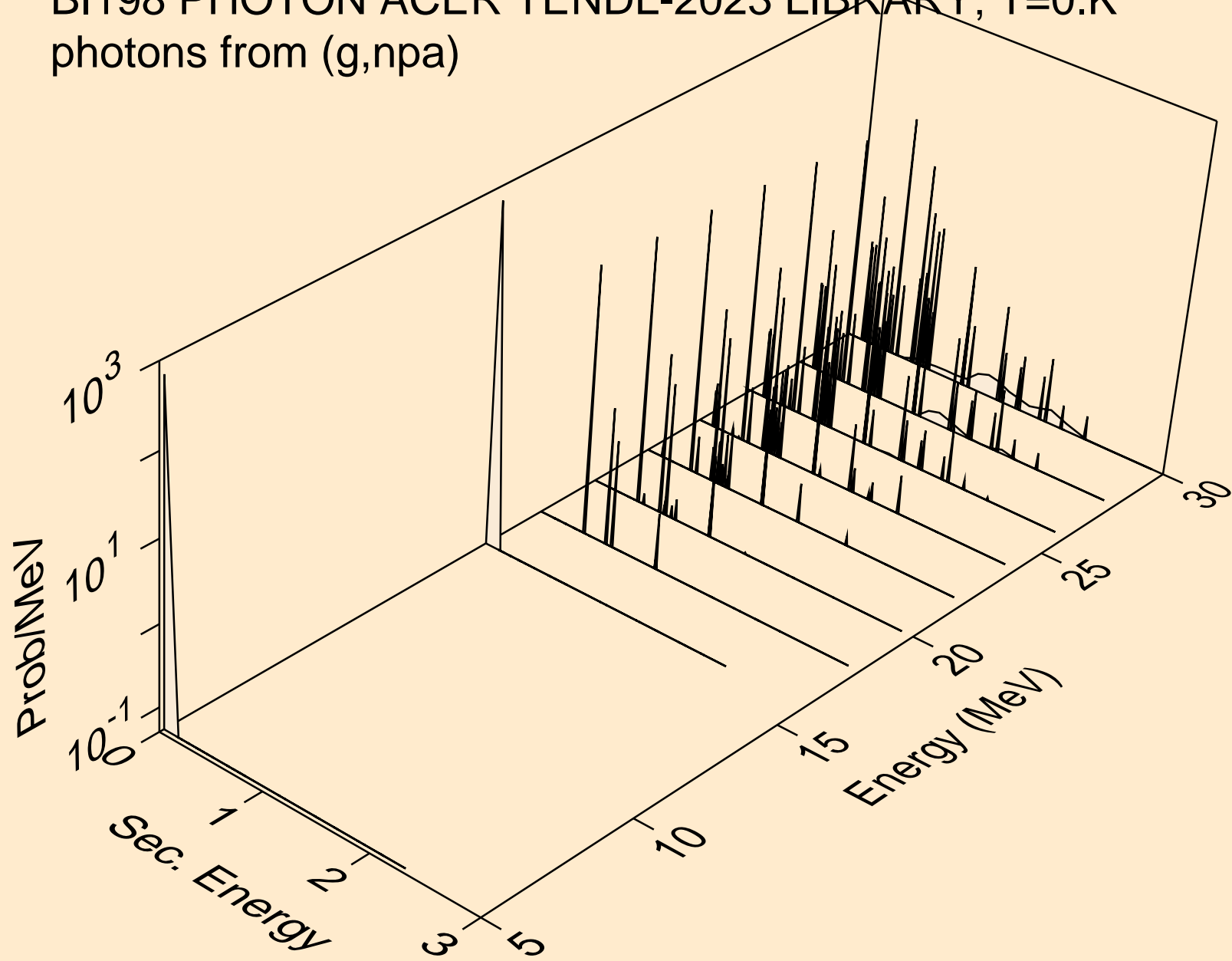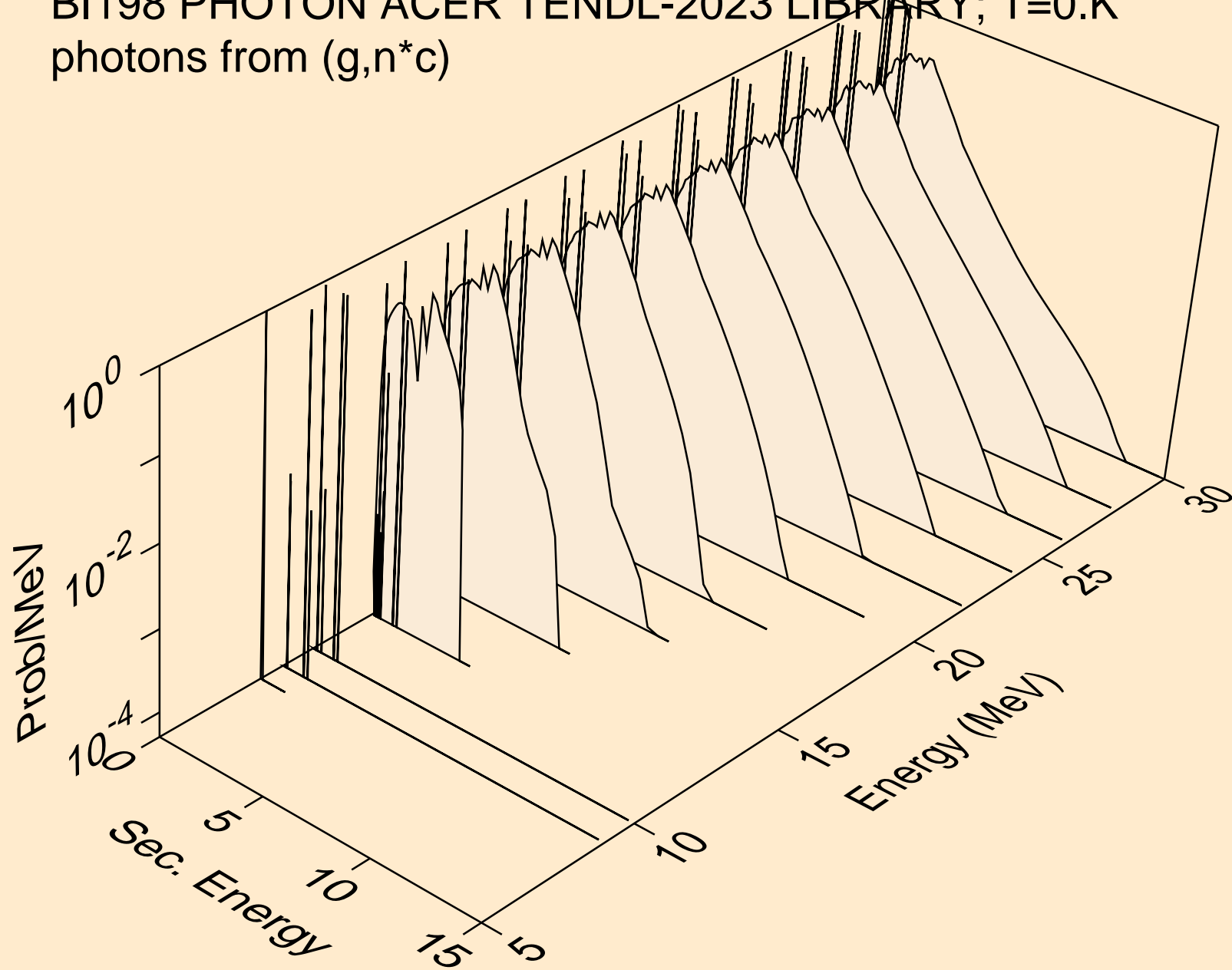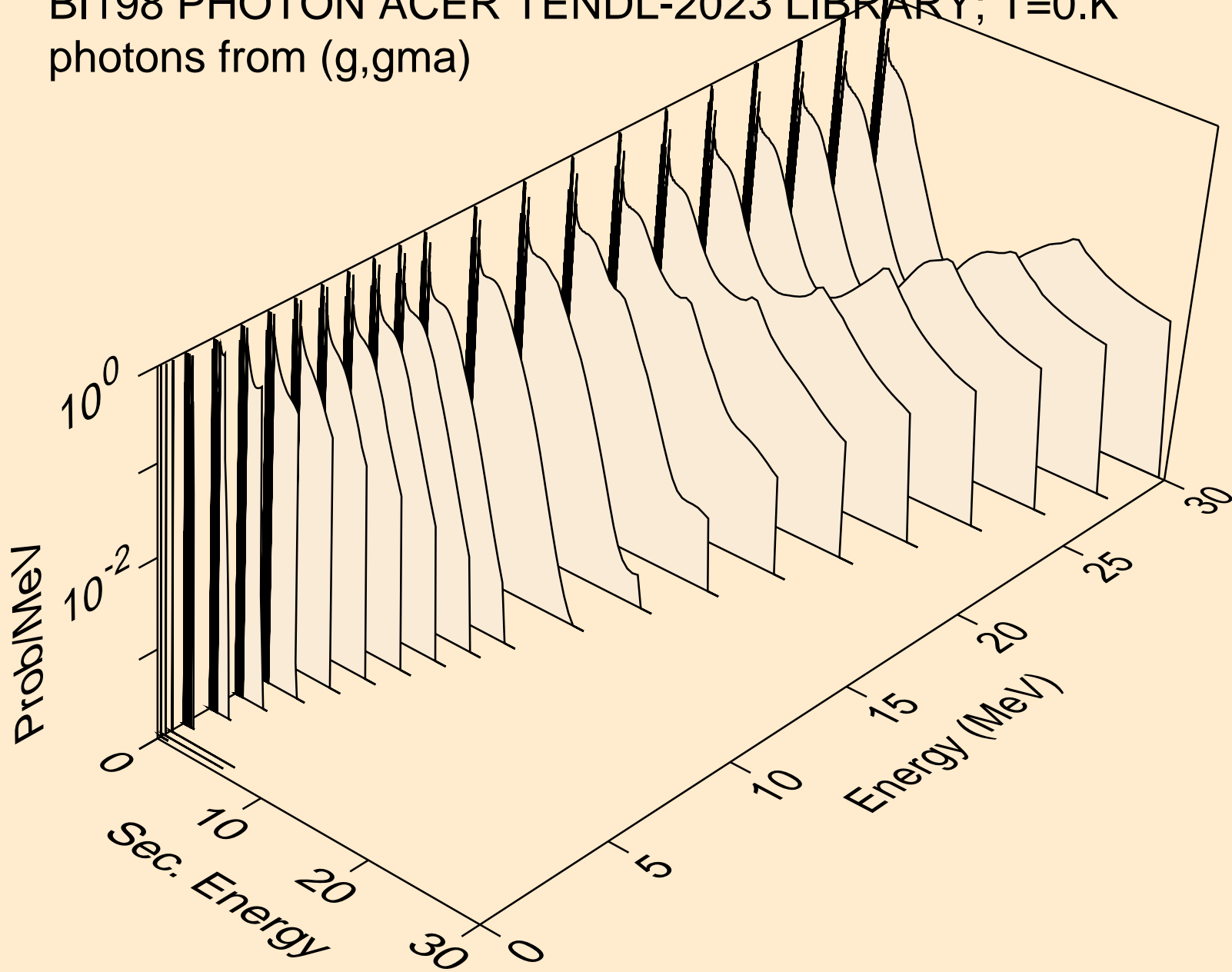
BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,d)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,t)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,he3)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,a)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2a)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,2p)

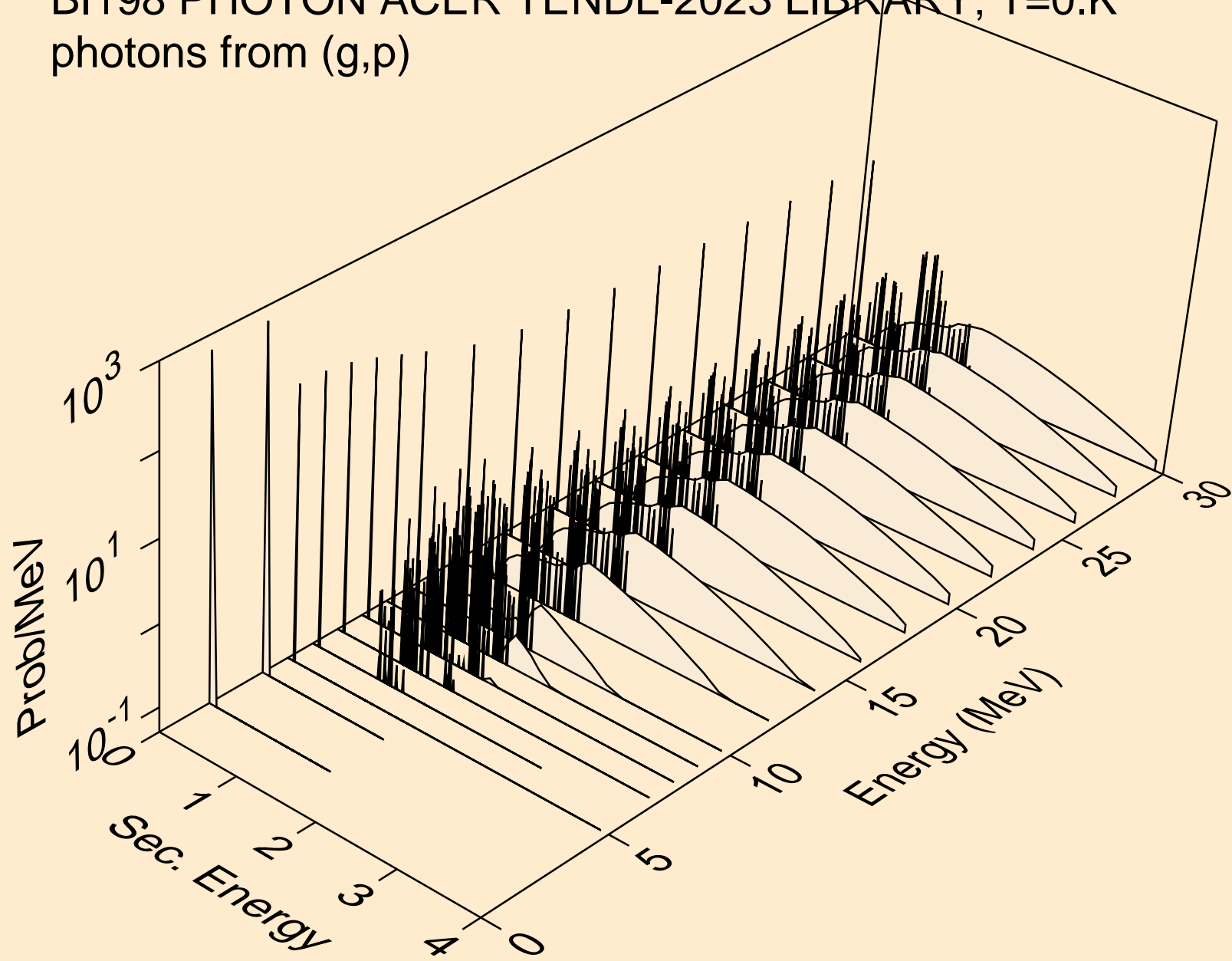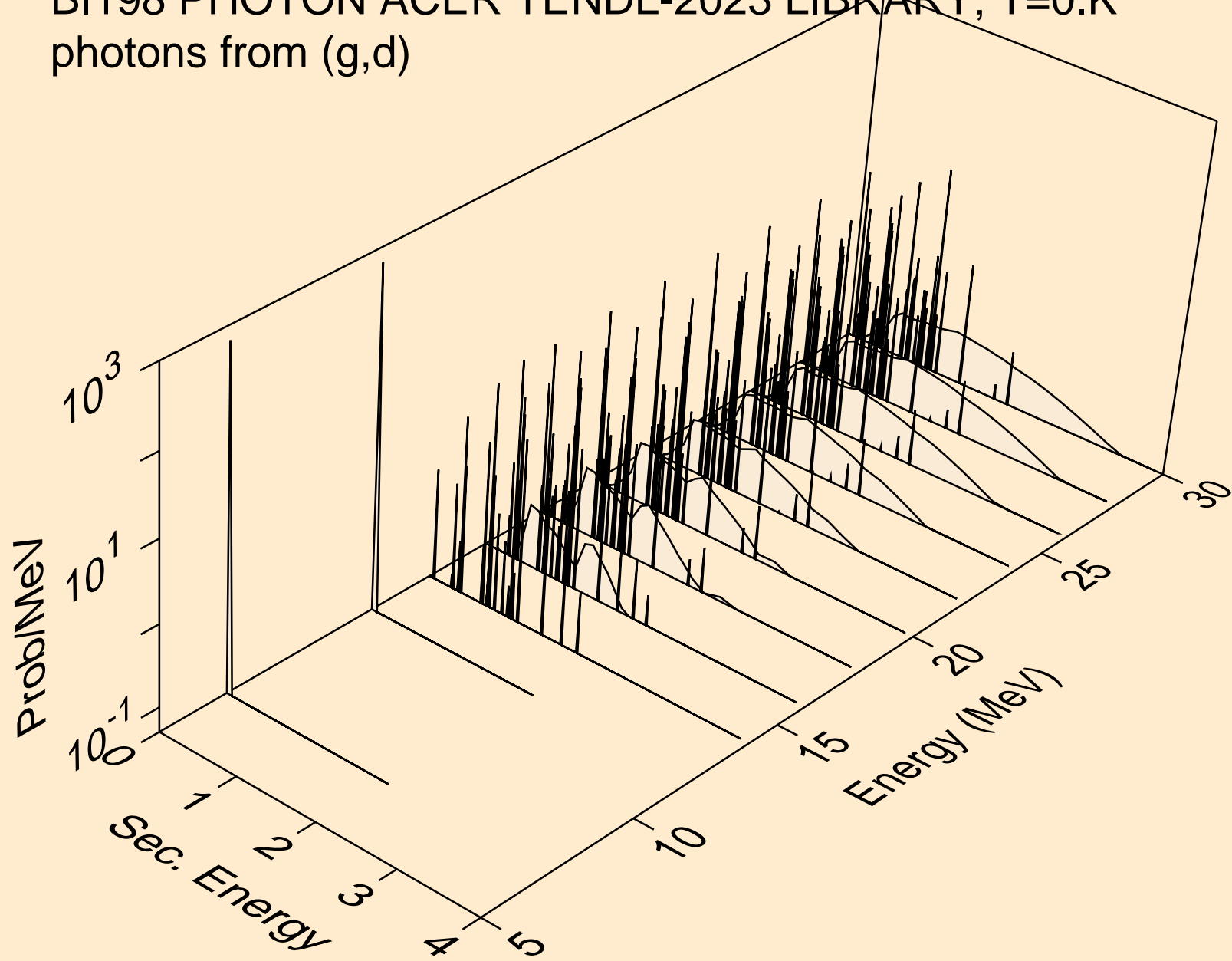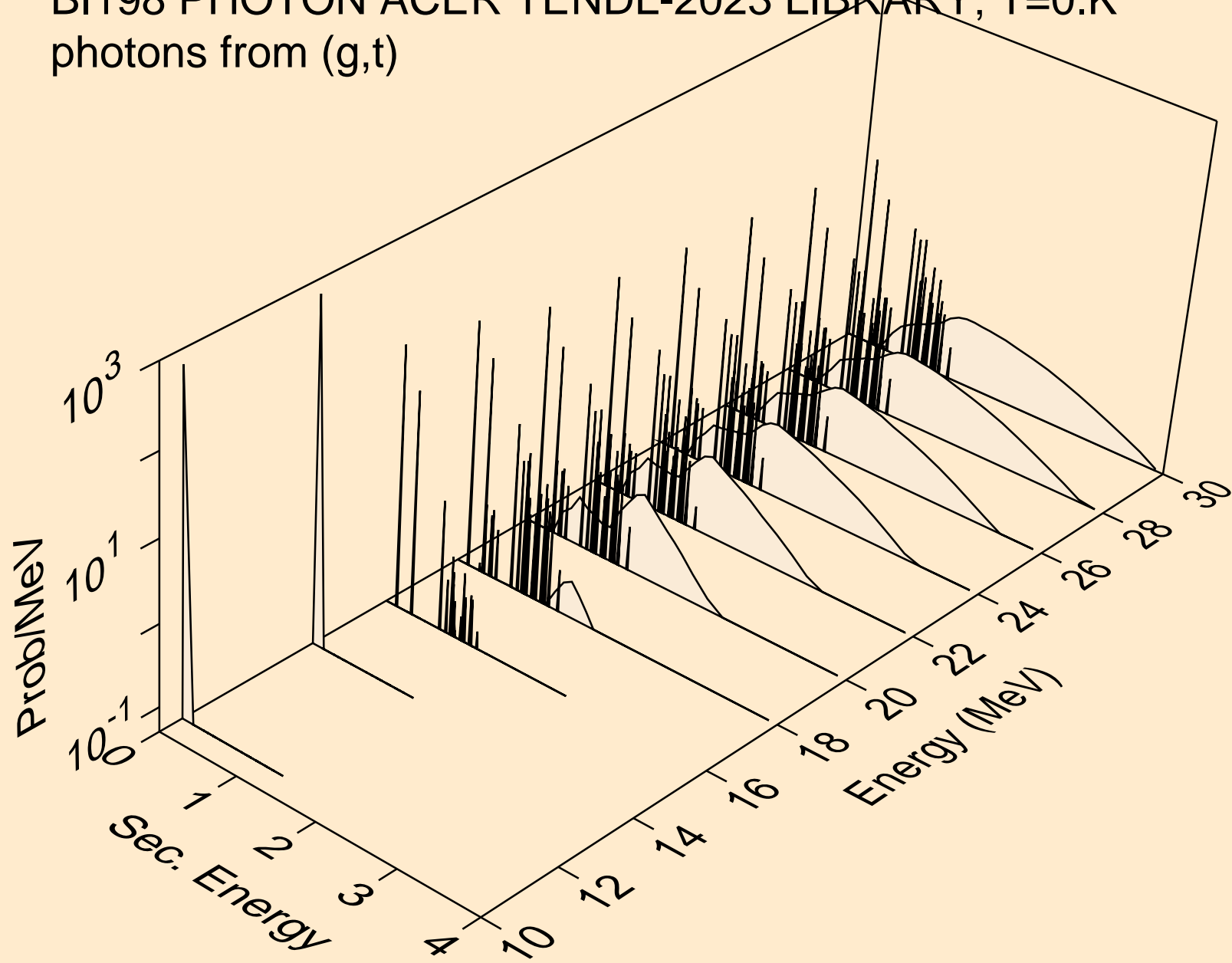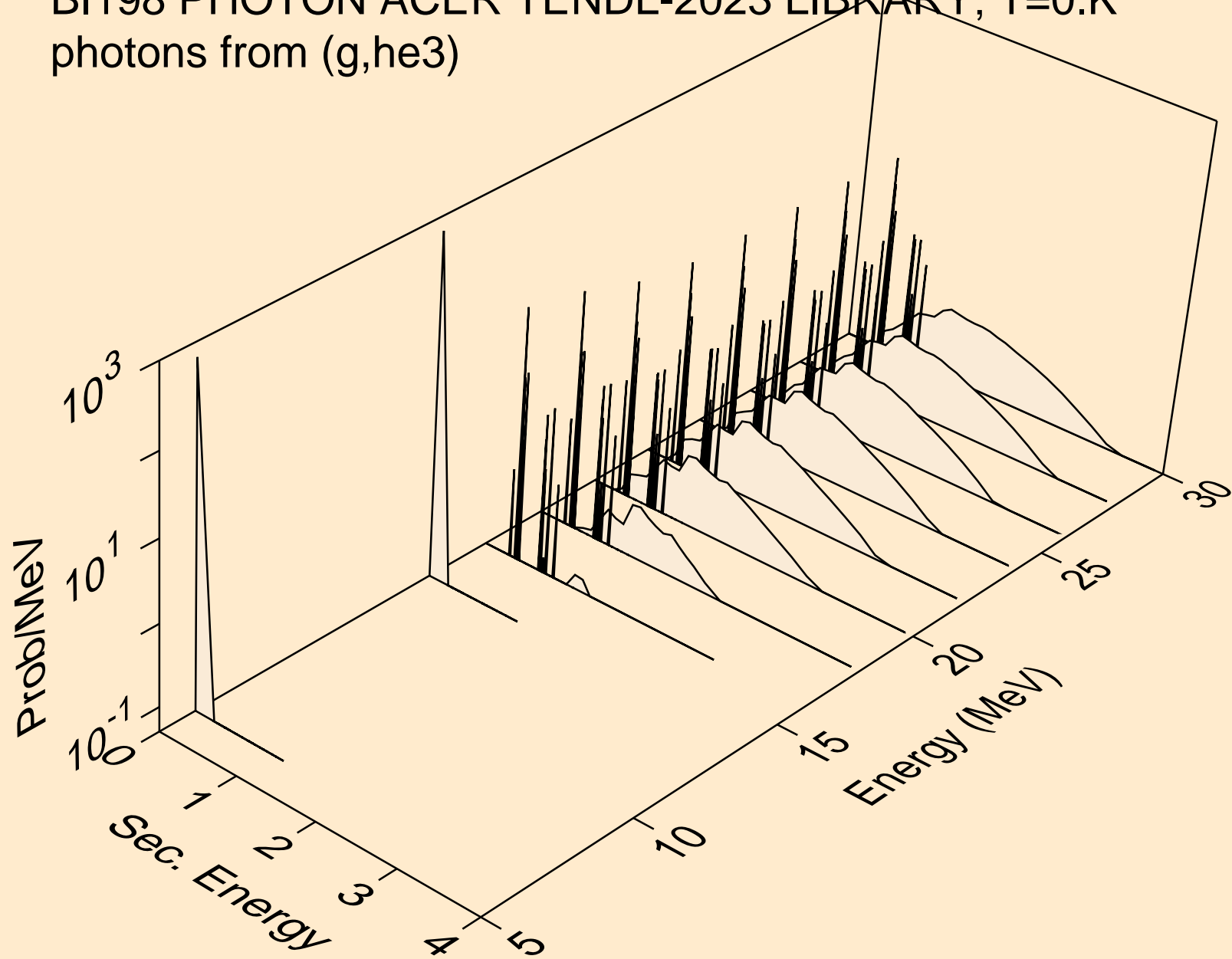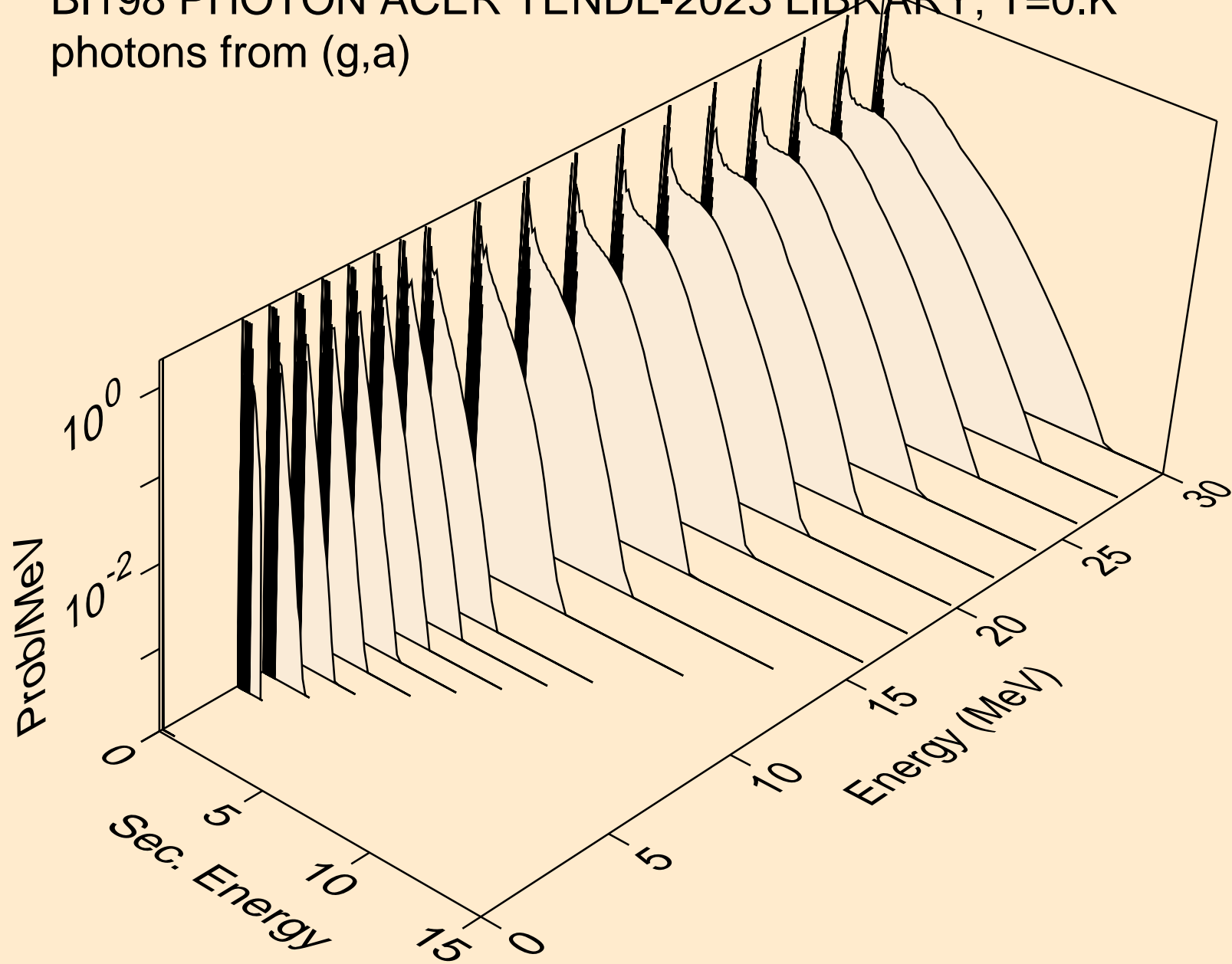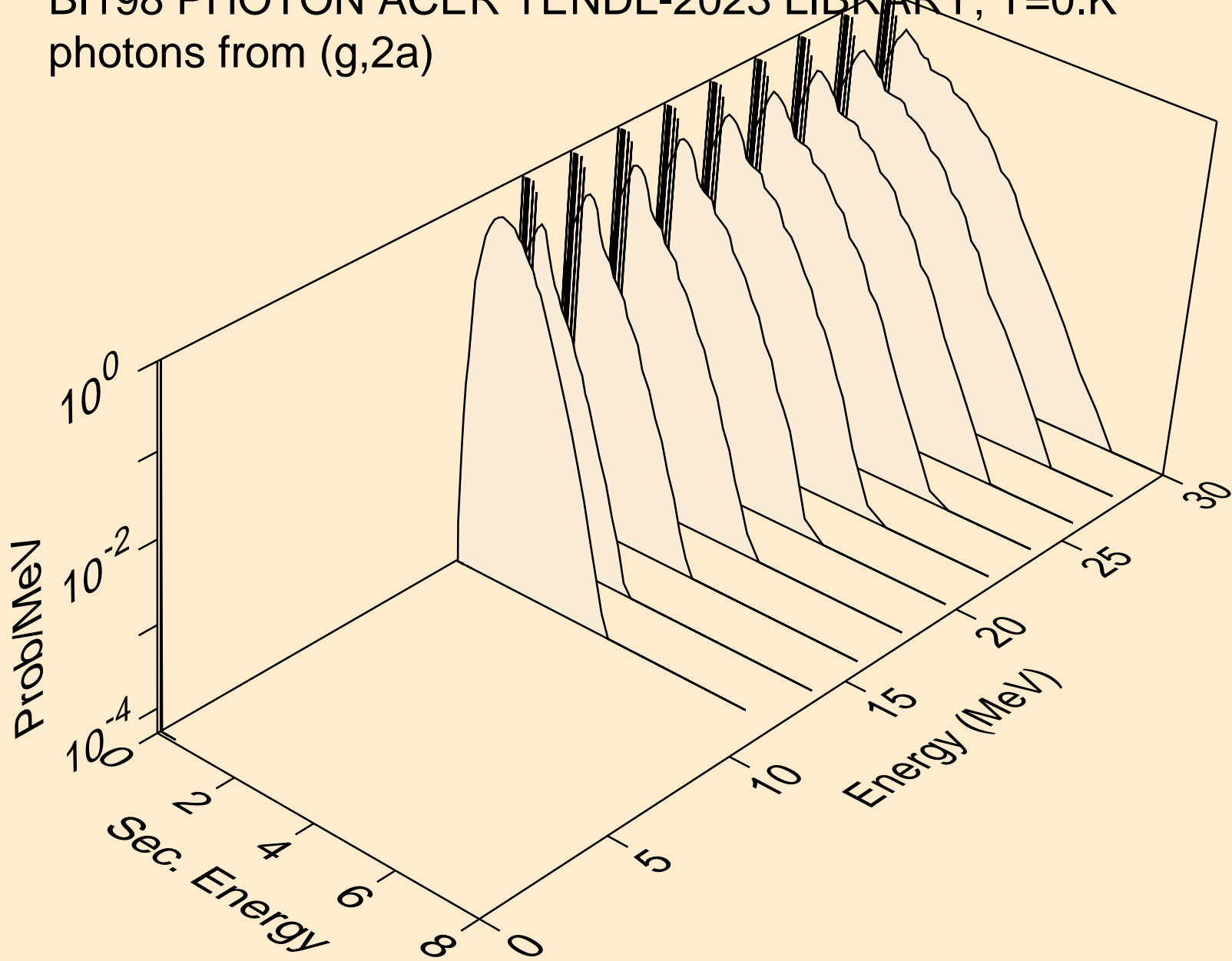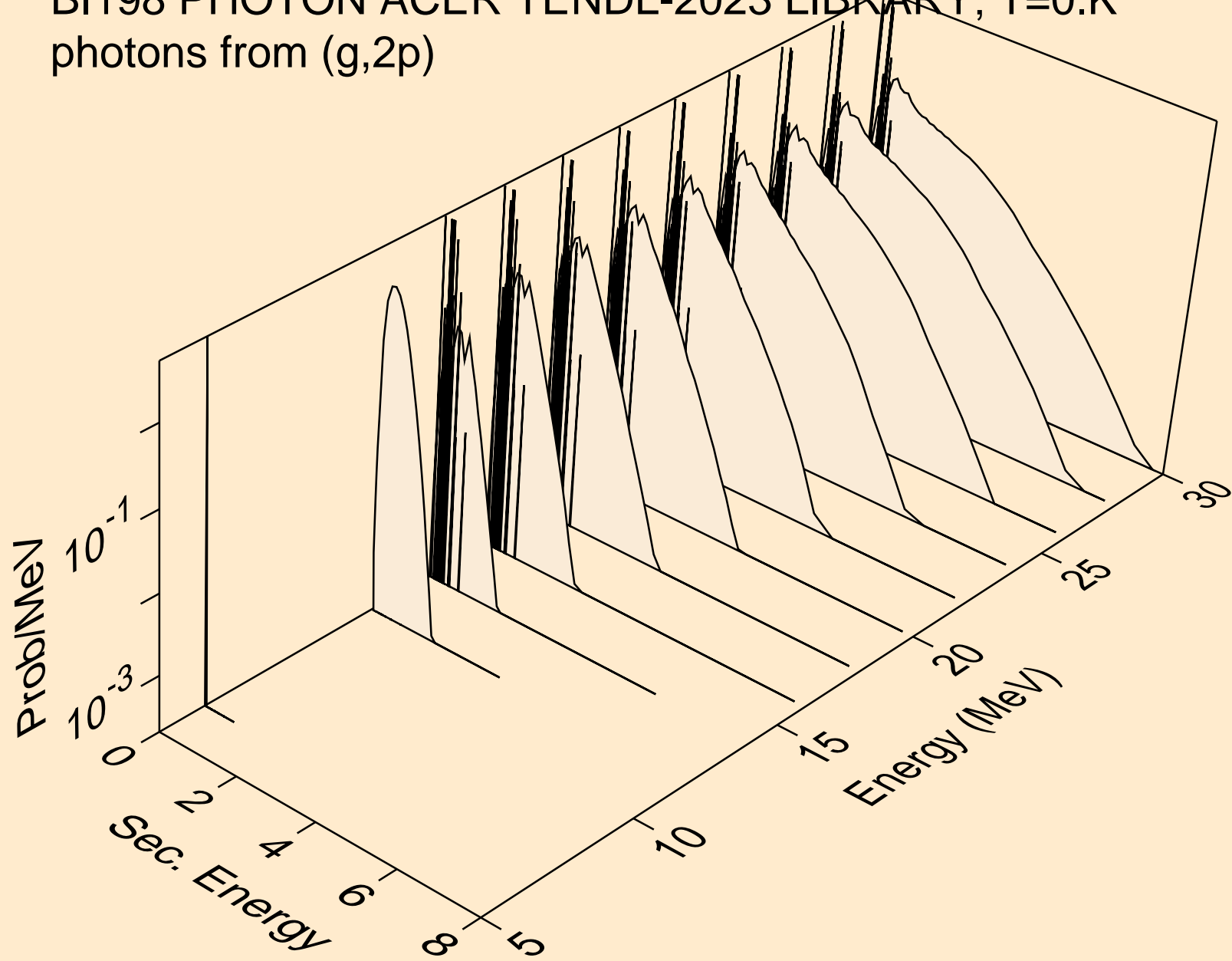BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,pa)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
photons from (g,pd)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,x)

ProblMeV

10^{-1}

10^{-3}

10^{-5}

Sec. Energy

50   100   150   200

Energy (MeV)

20   40   60   80   100   120   140   160   180   200

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,n*)p

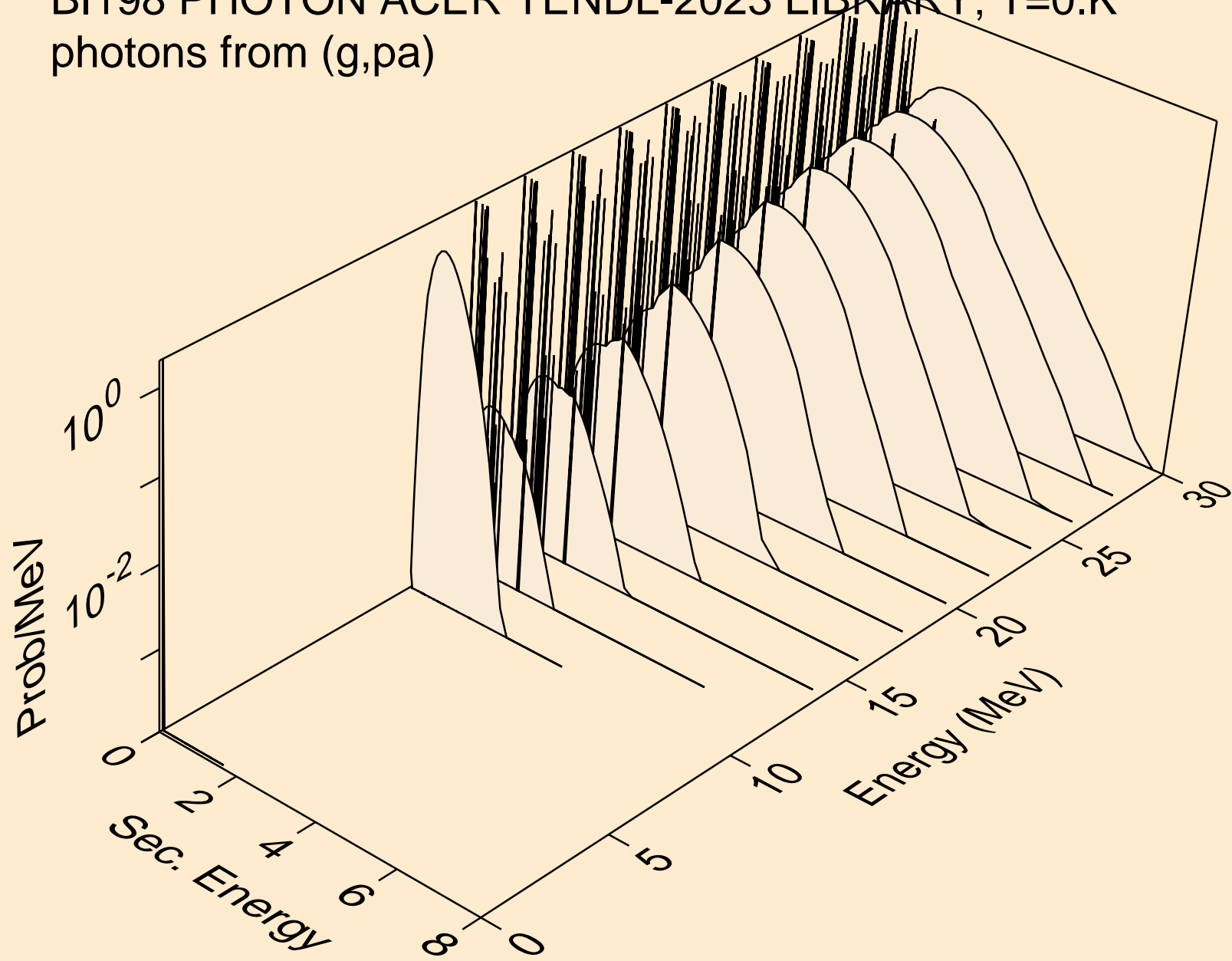Prob/MeV

10^{-1}
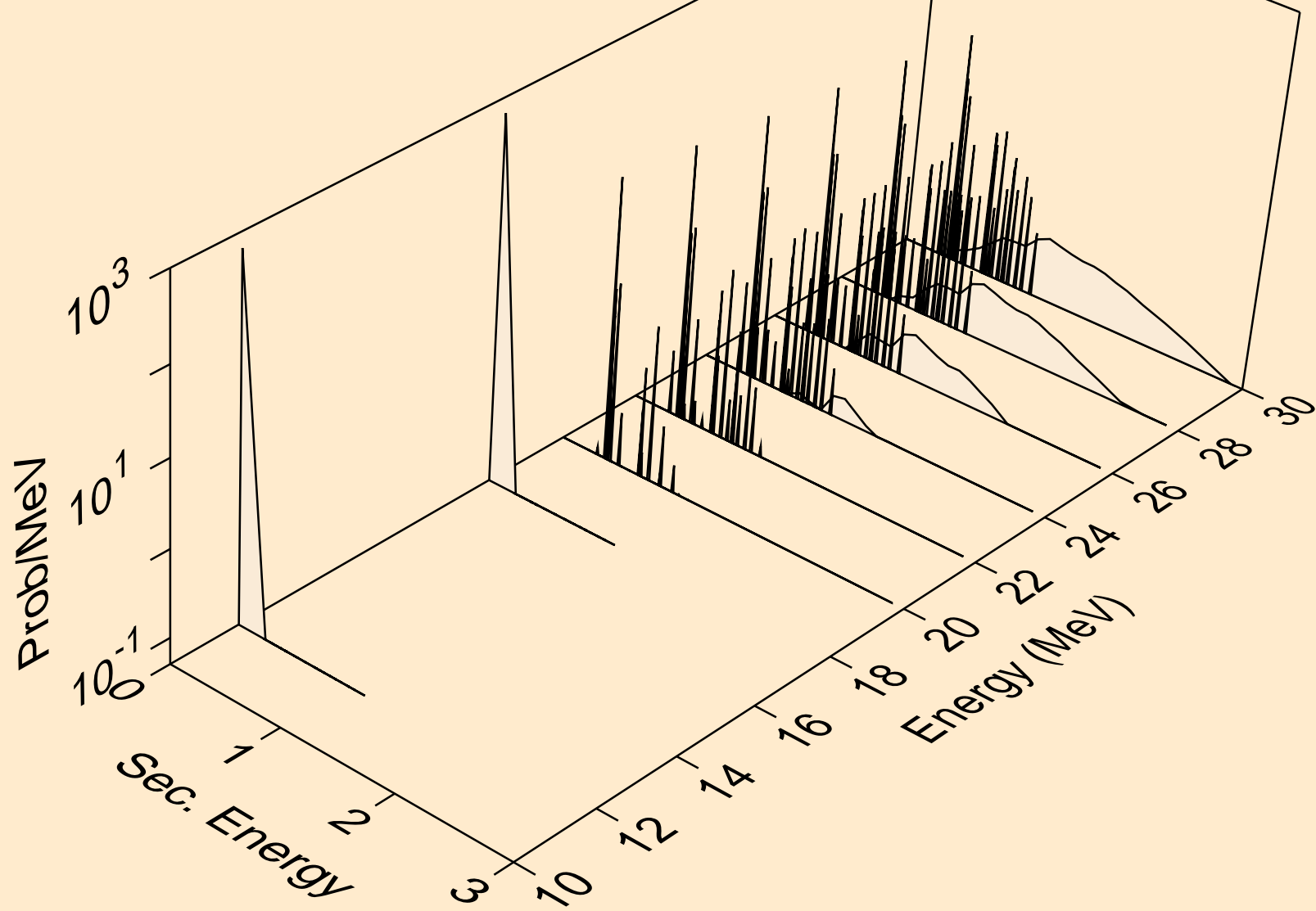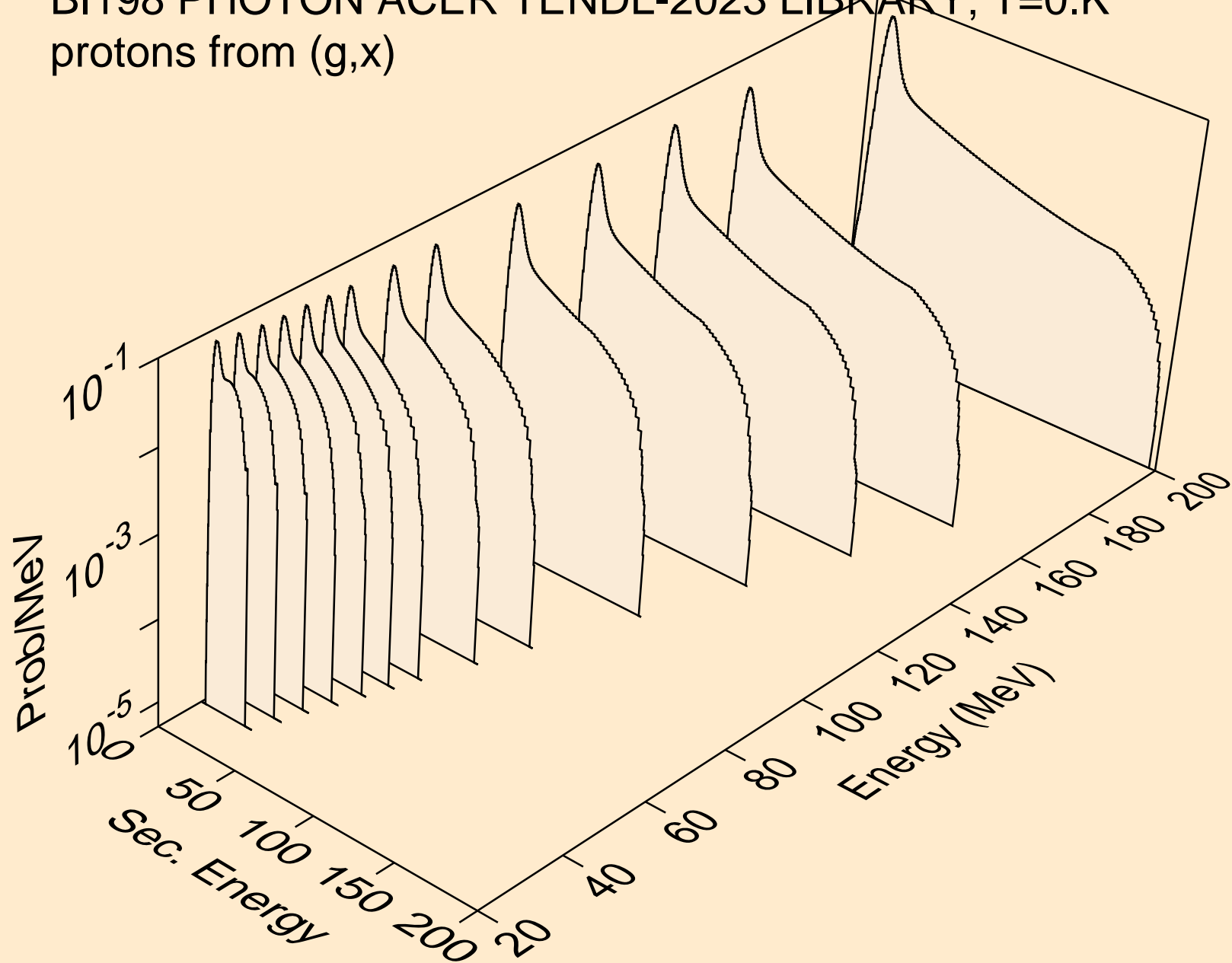
10^{-3}
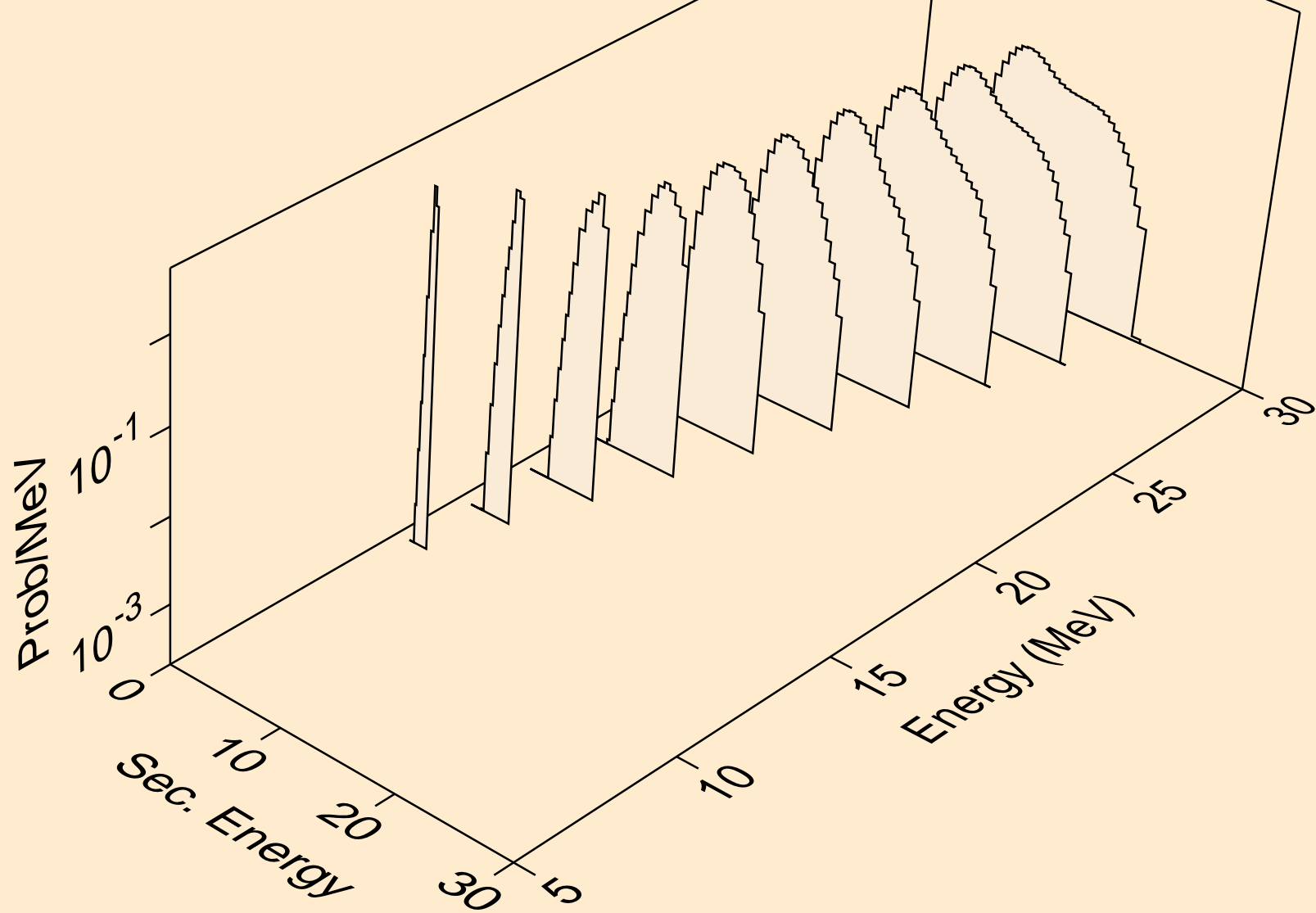
Sec. Energy

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,2np)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,n2p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,npa)

ProbMeV

10^0

10^{-2}

0

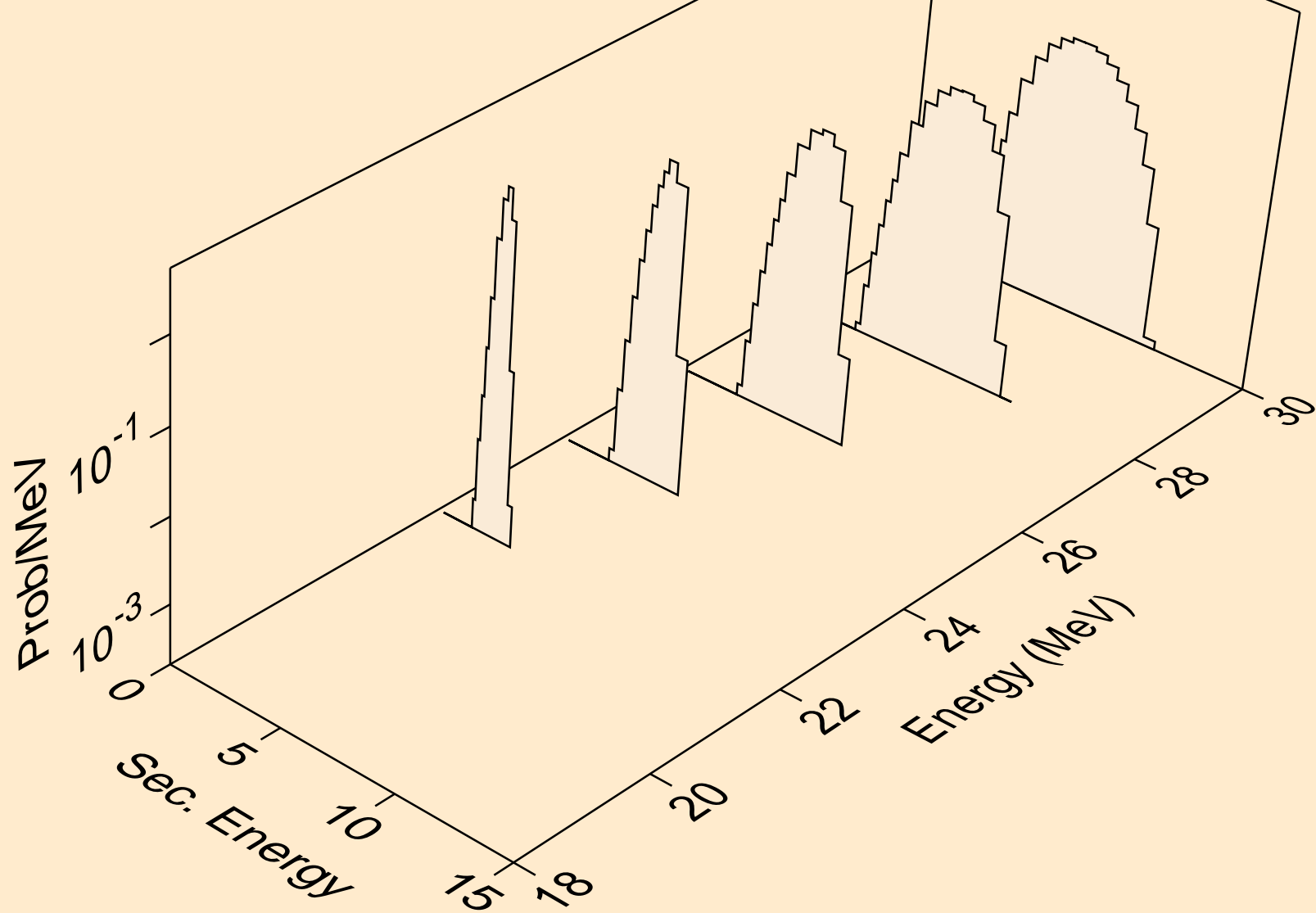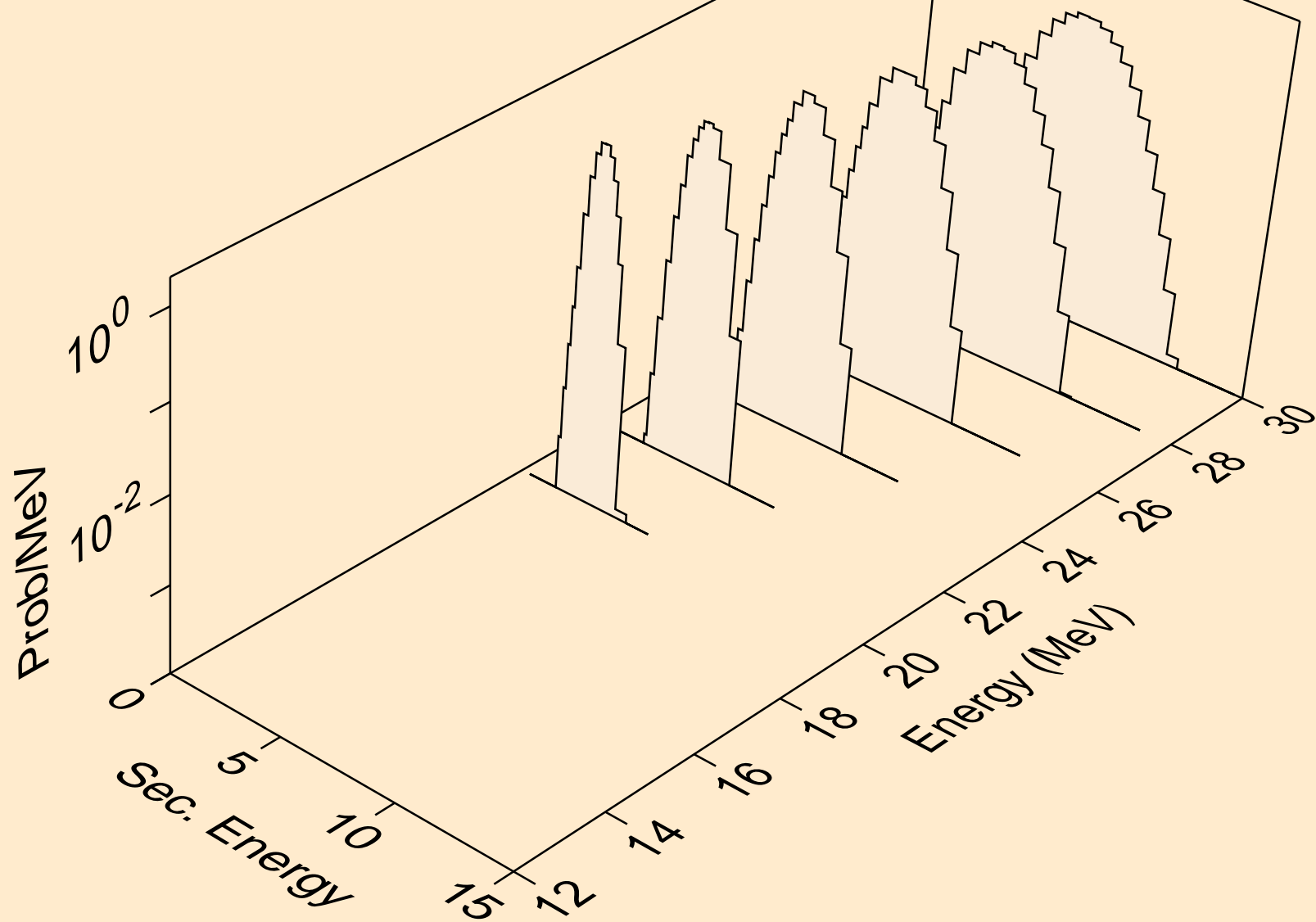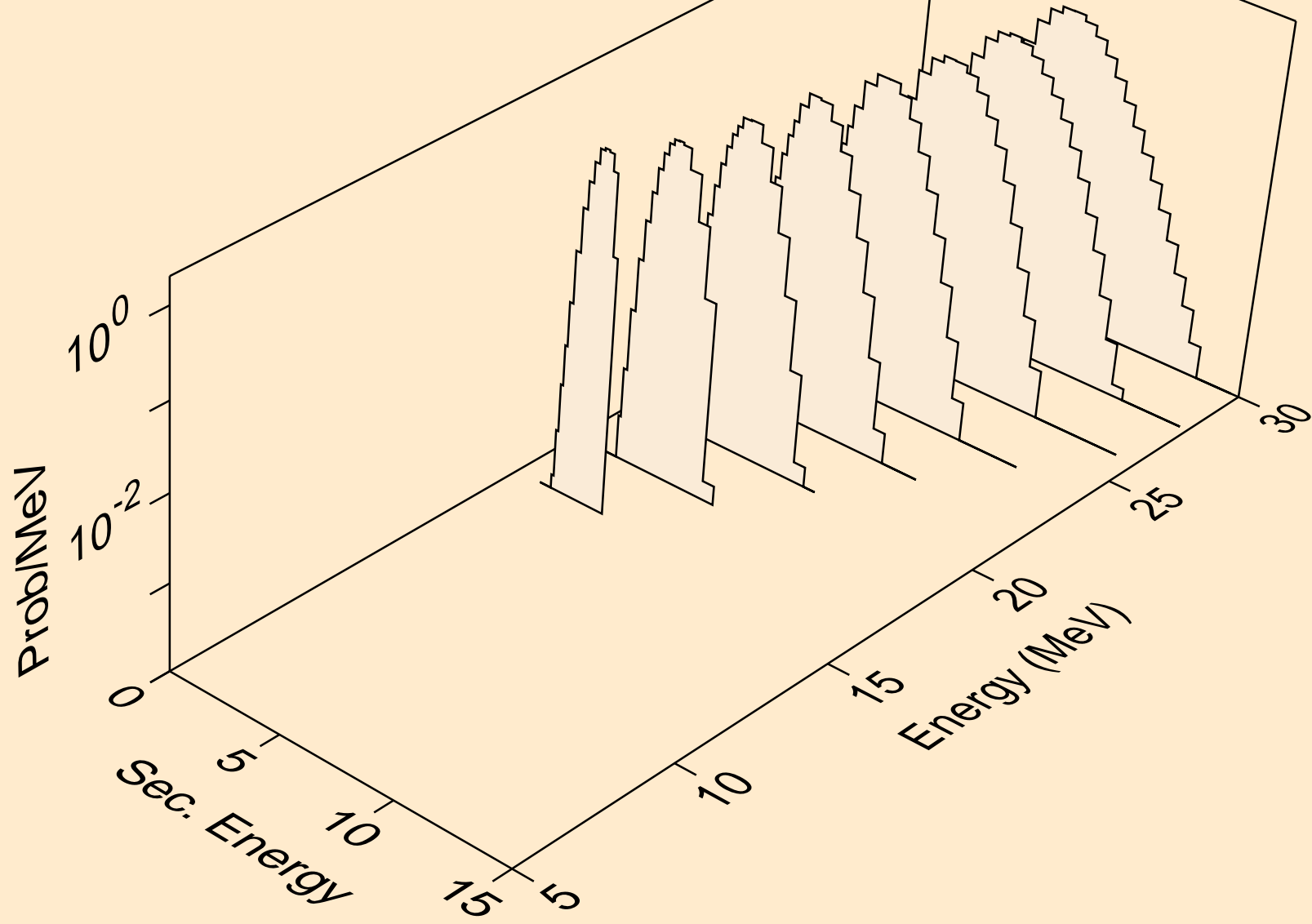Sec. Energy

5

10

15

Energy (MeV)

5

10

15

20

25

30

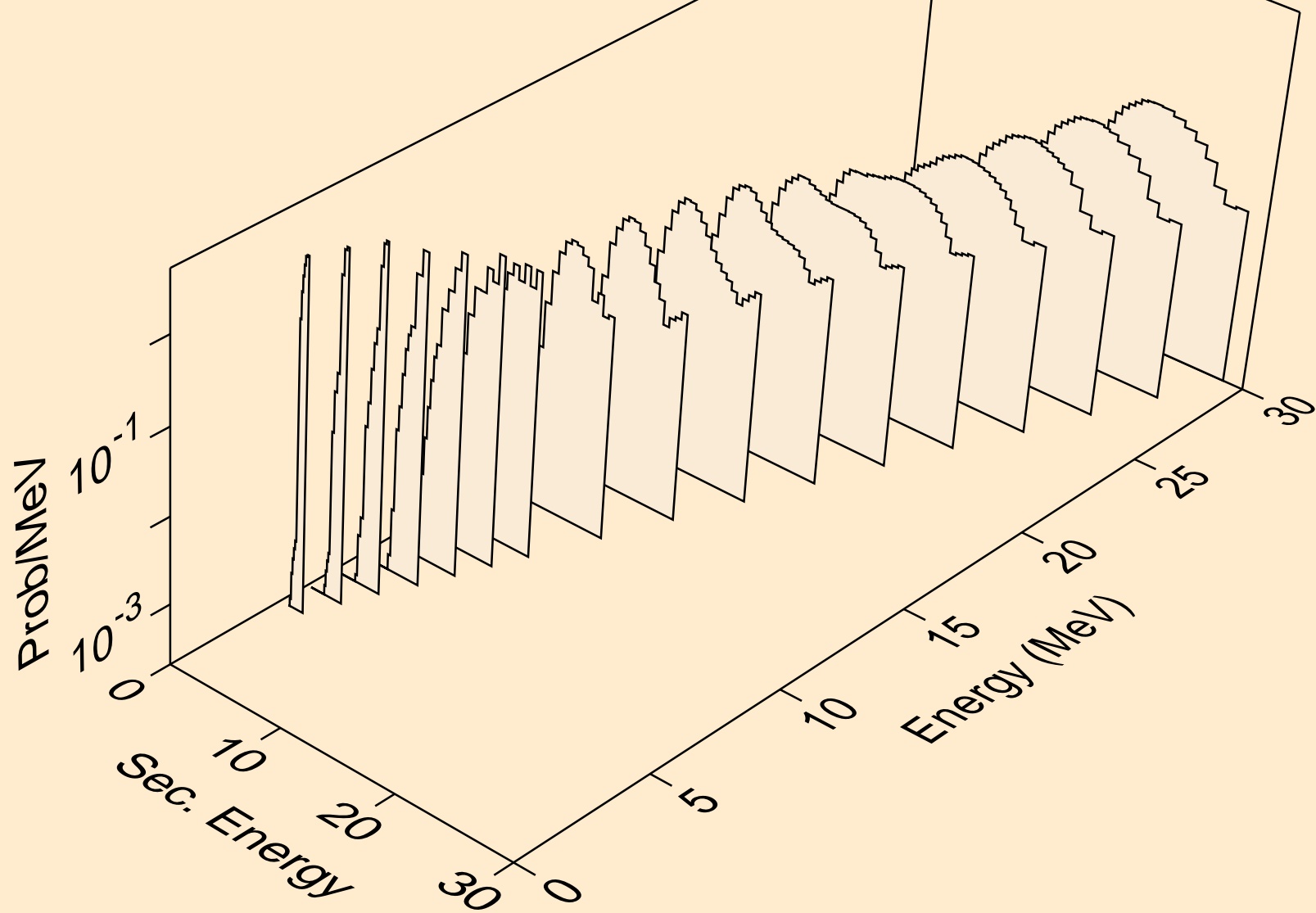BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
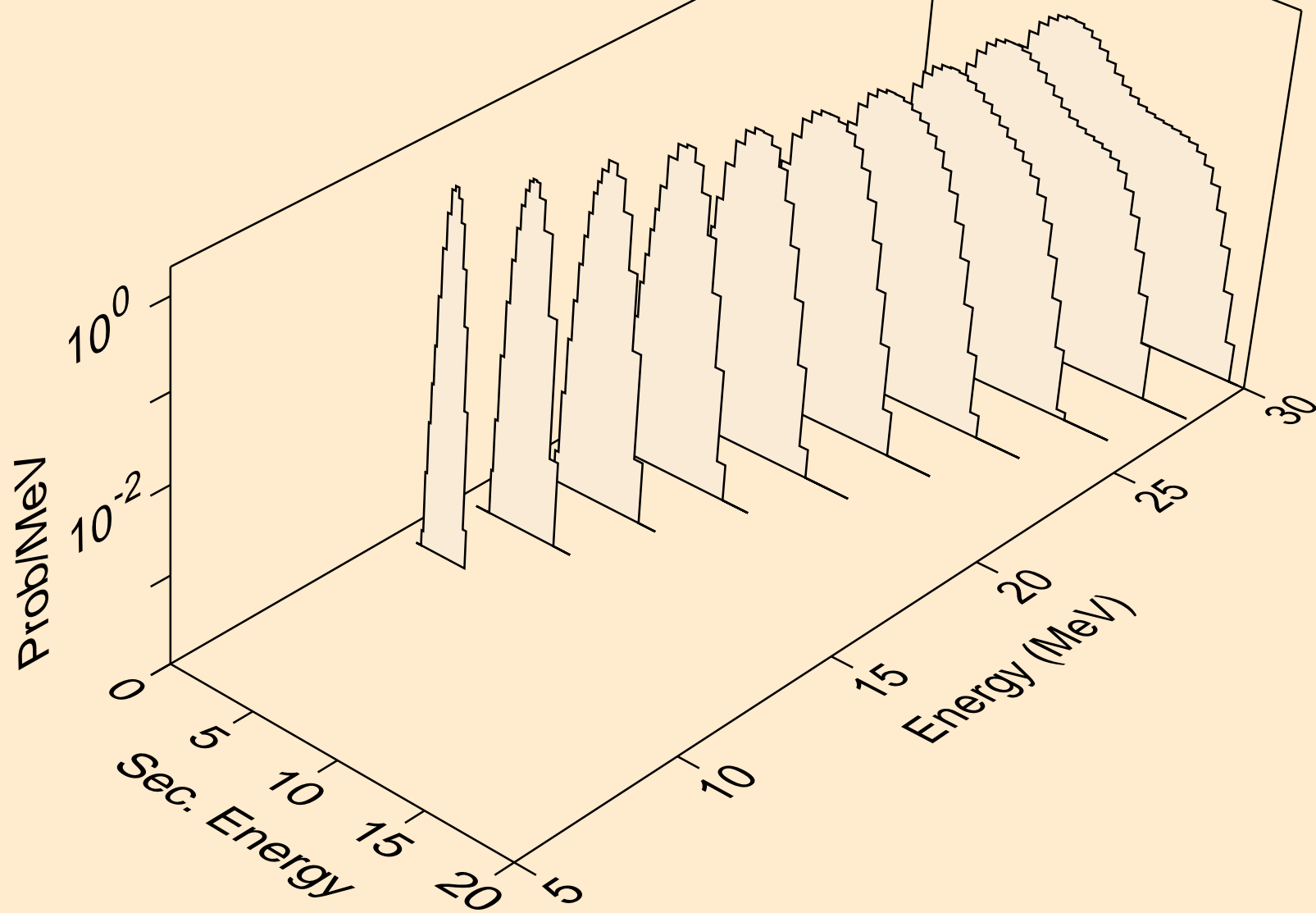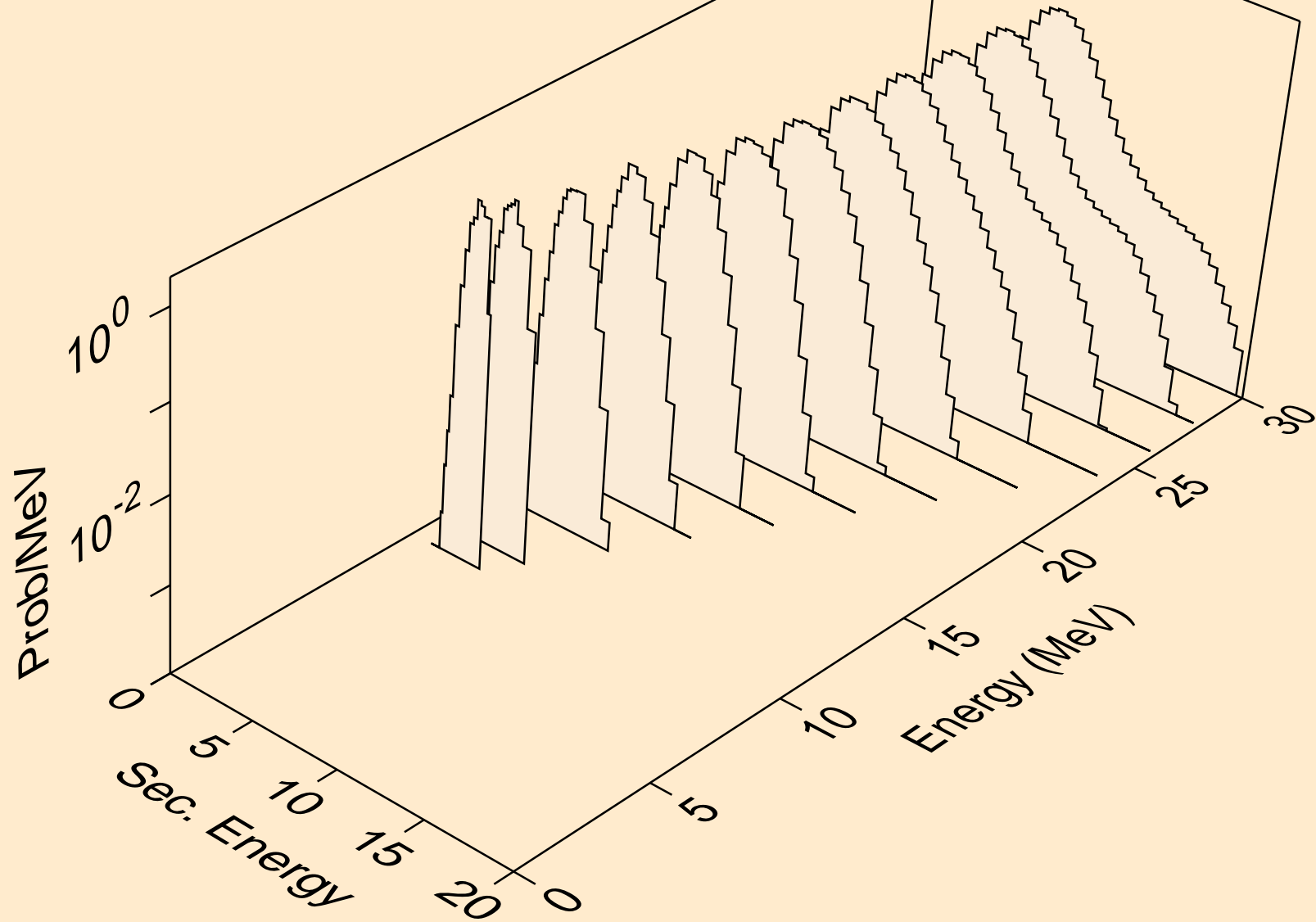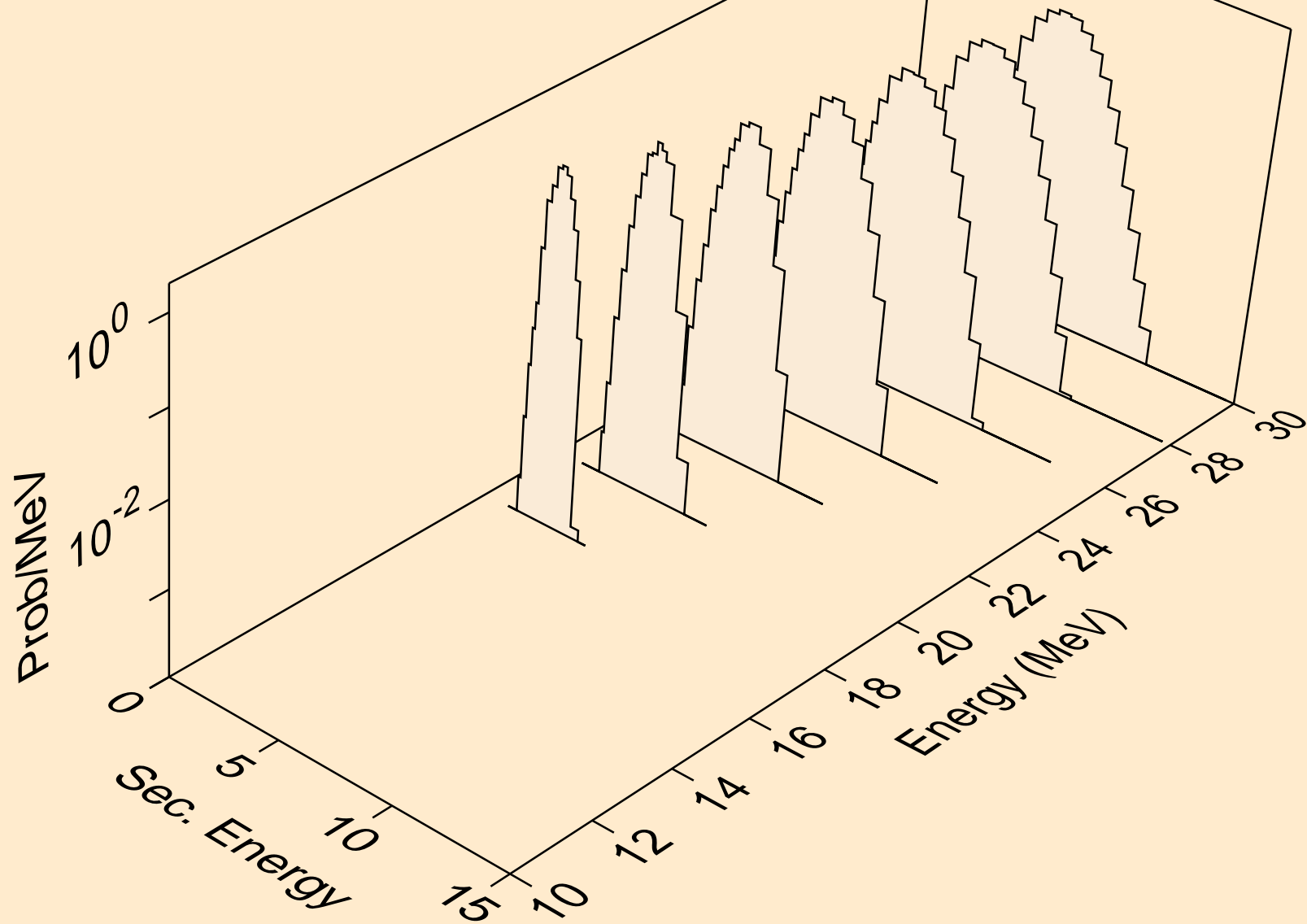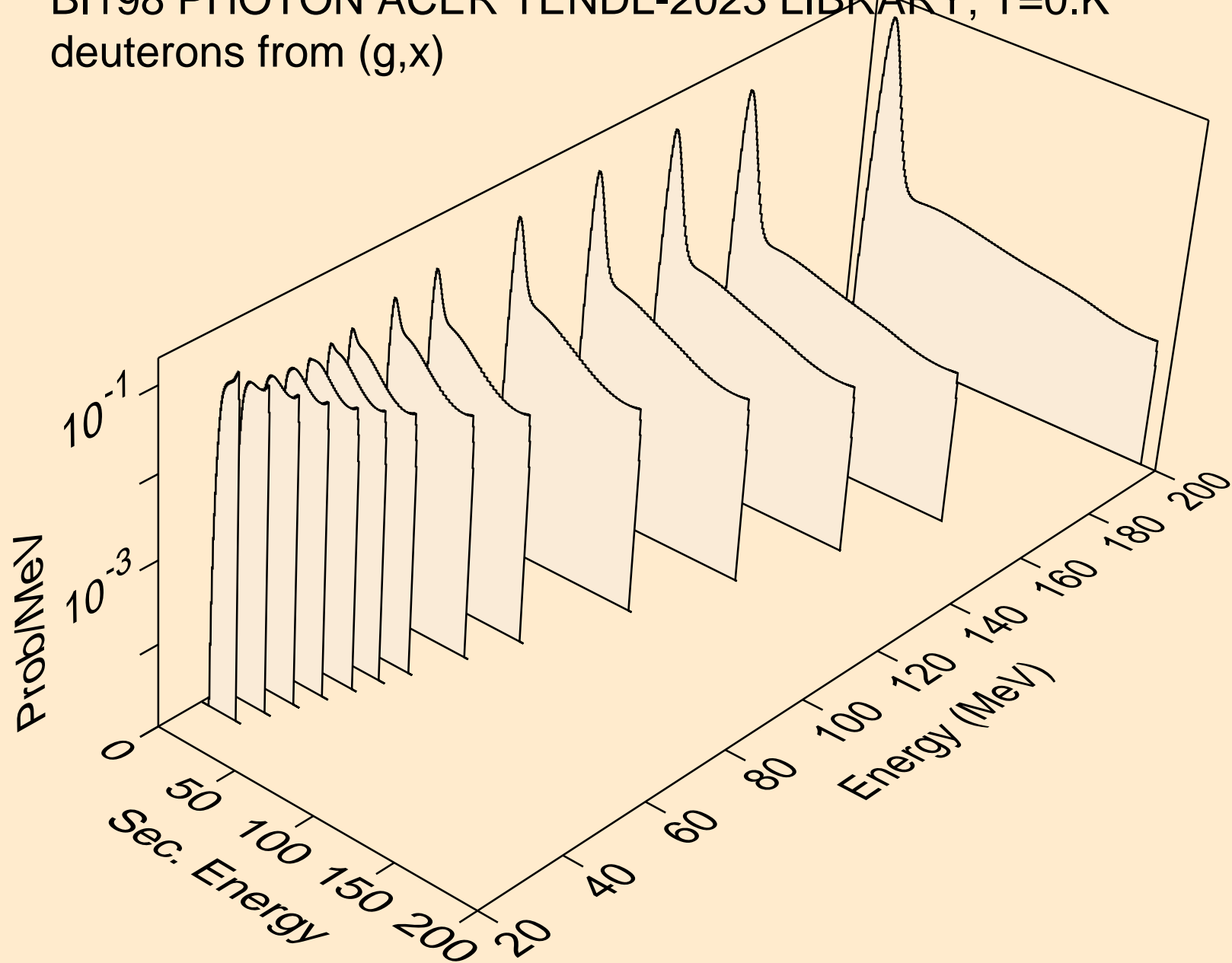protons from (g,2p)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,pa)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
protons from (g,pd)
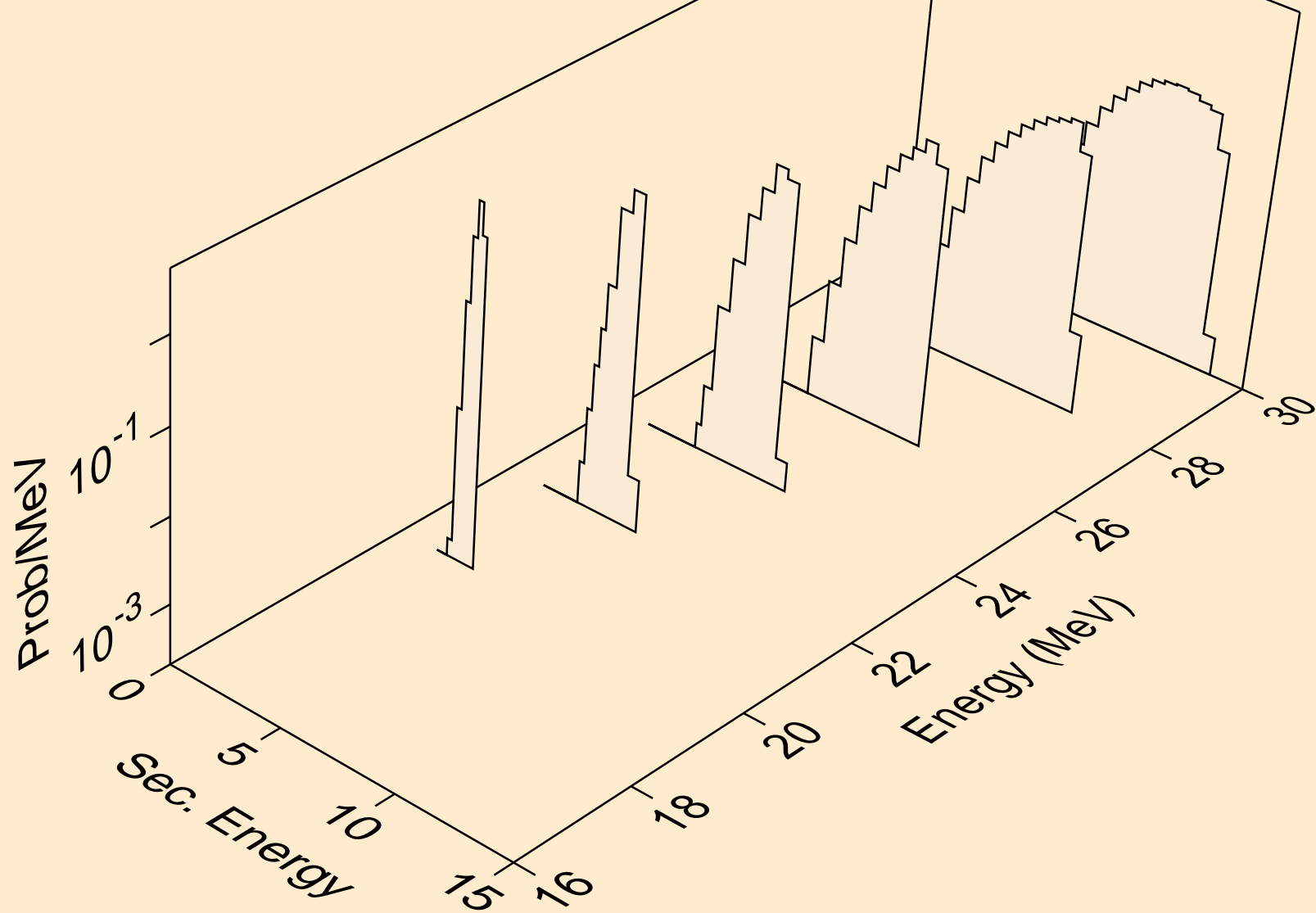
BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,x)

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

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,n*)d

Prob/MeV

10^{-1}

10^{-3}

0

Sec. Energy
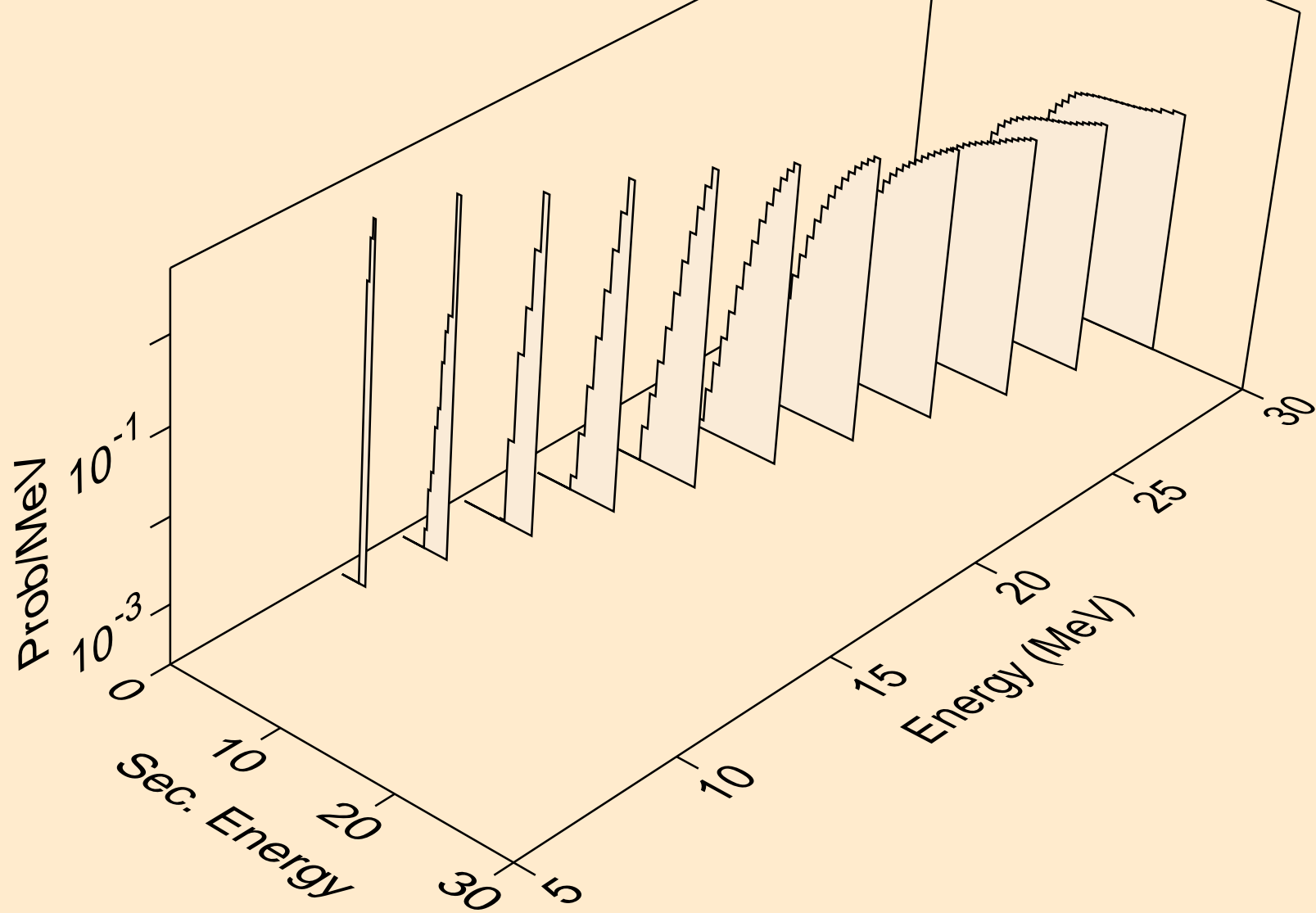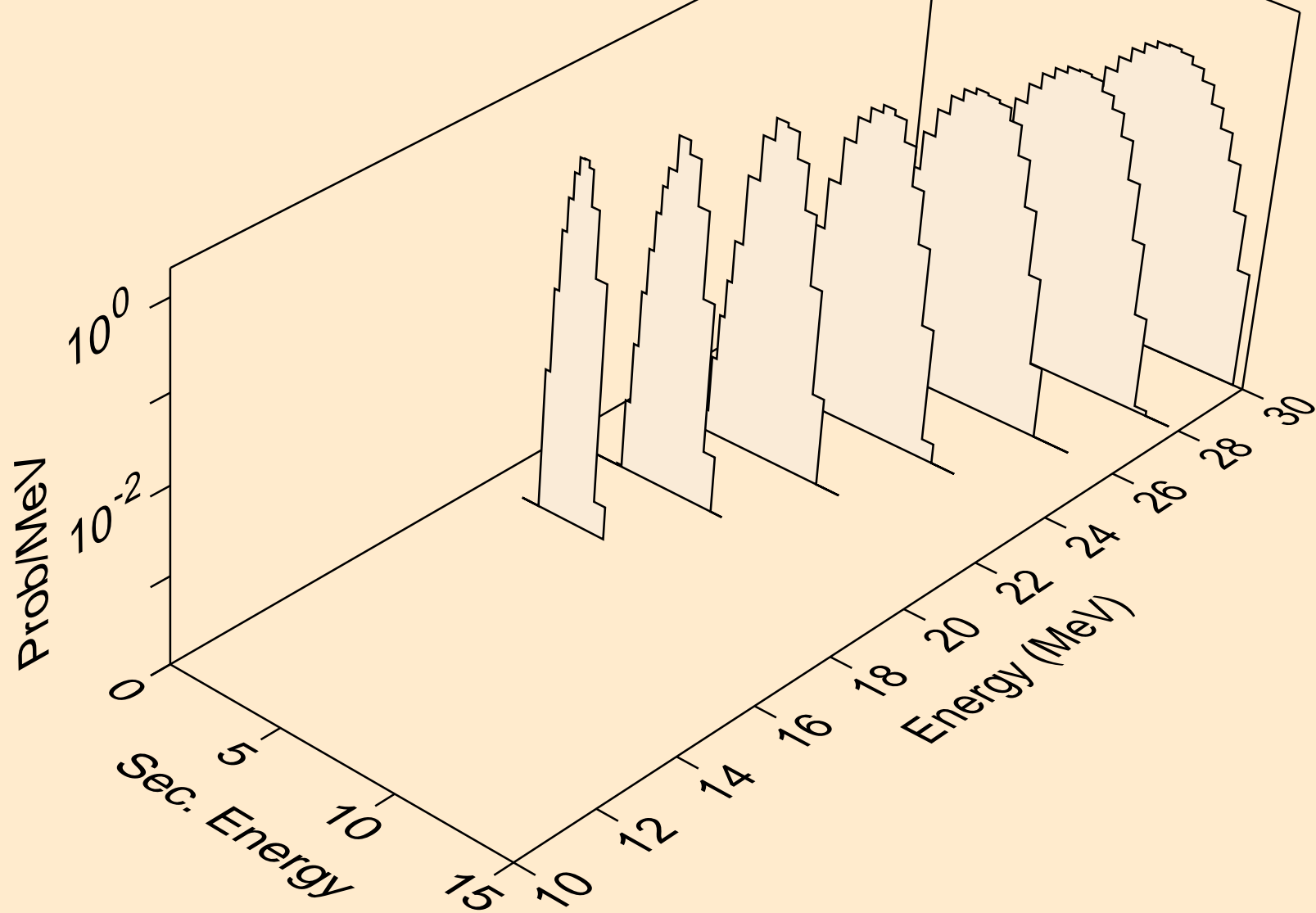
5
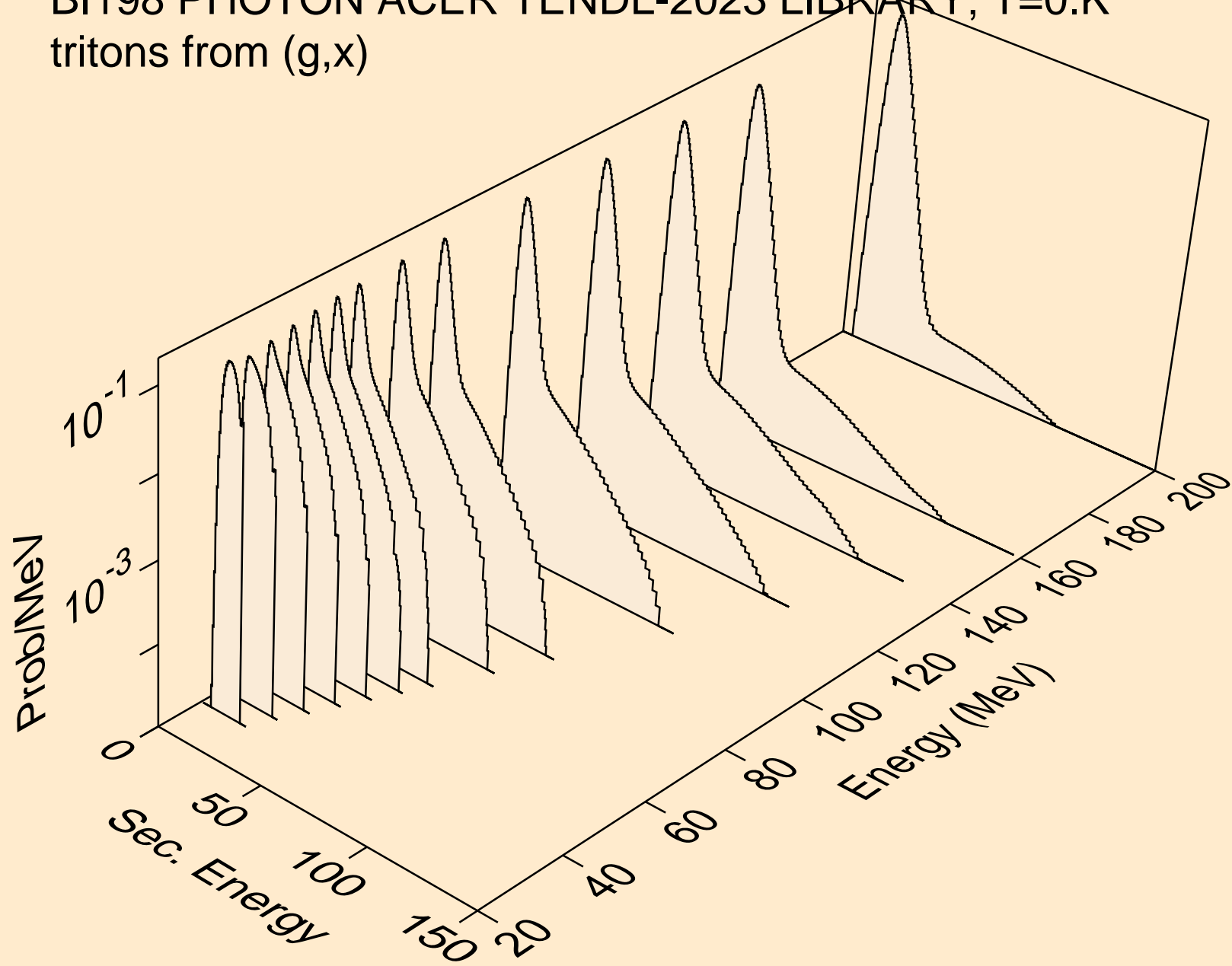
10

15

16

Energy (MeV)

18

20

22

24

26

28

30

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,d)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (g,pd)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (g,x)

ProbIMeV

10^{-1}

10^{-3}

0

Sec. Energy

50

100

150

20
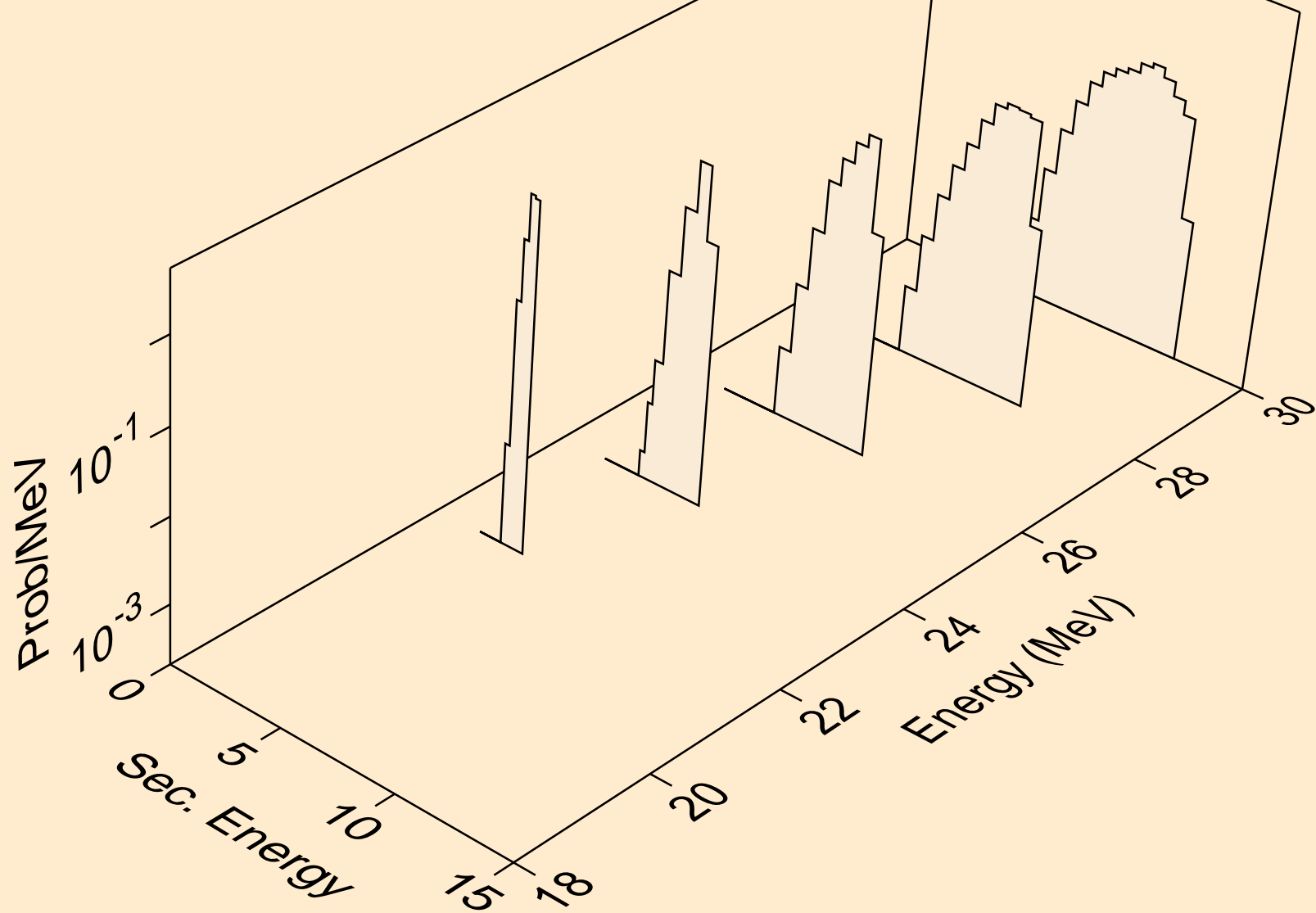
40

60

80

100

120

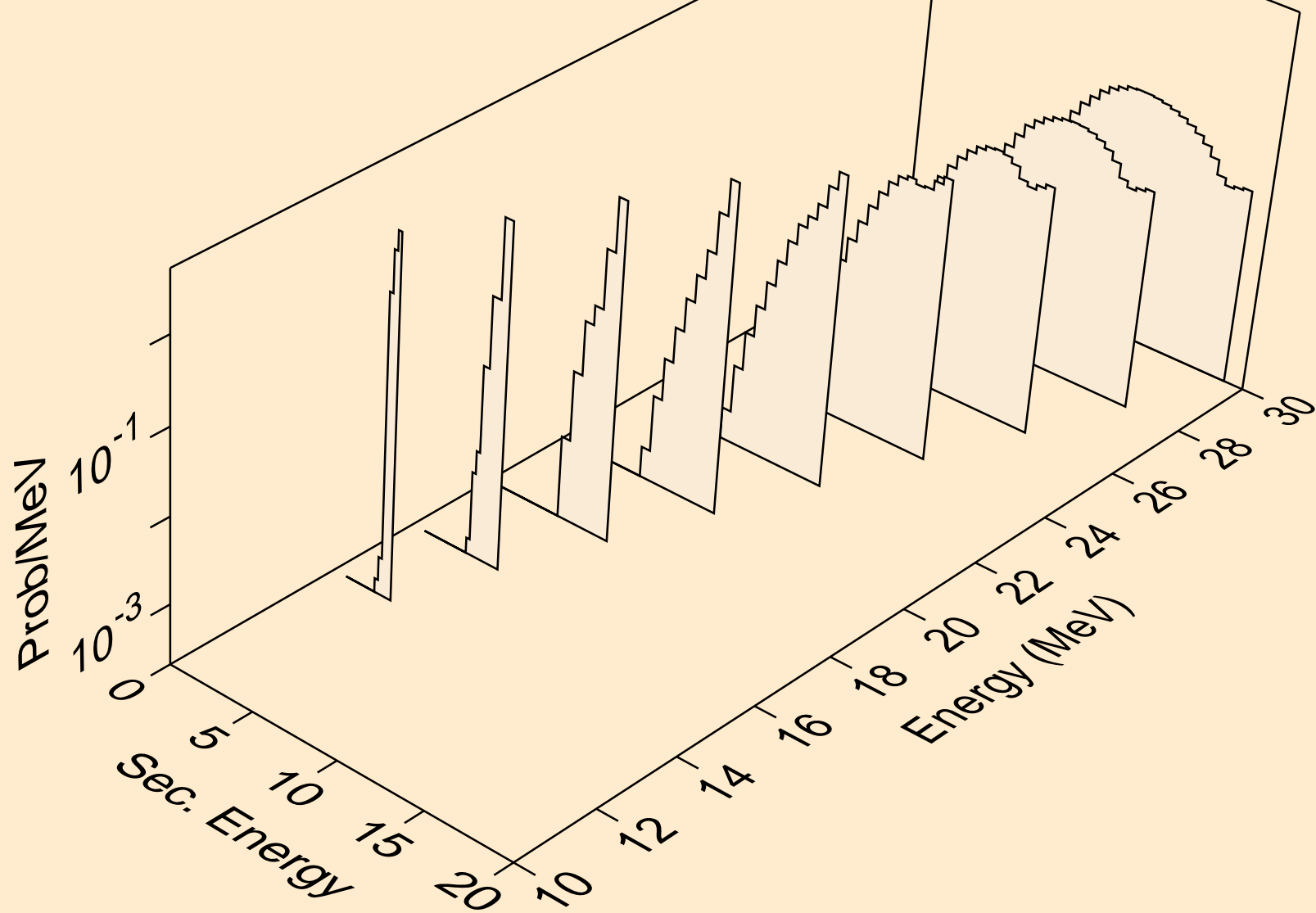140

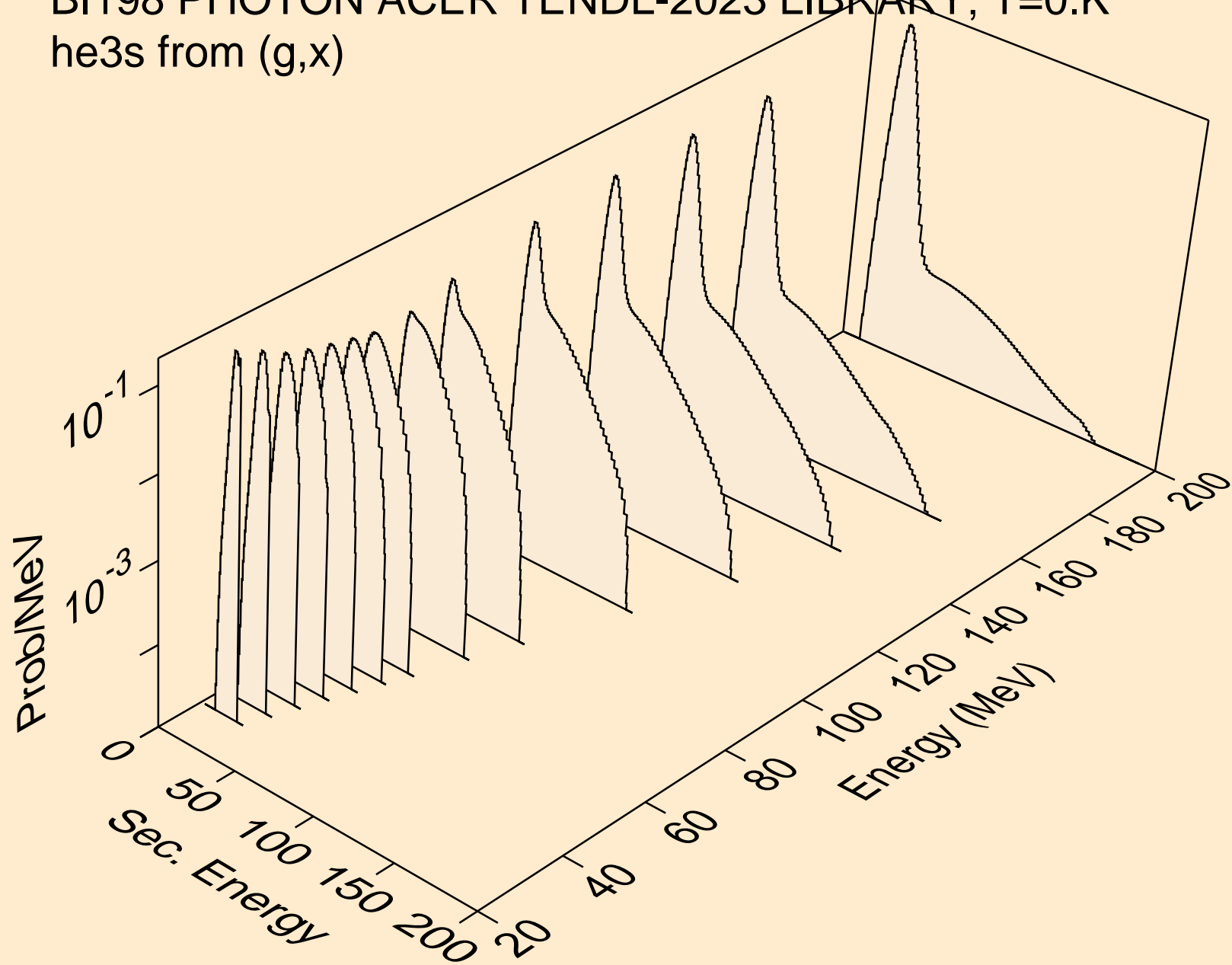160

180

200

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
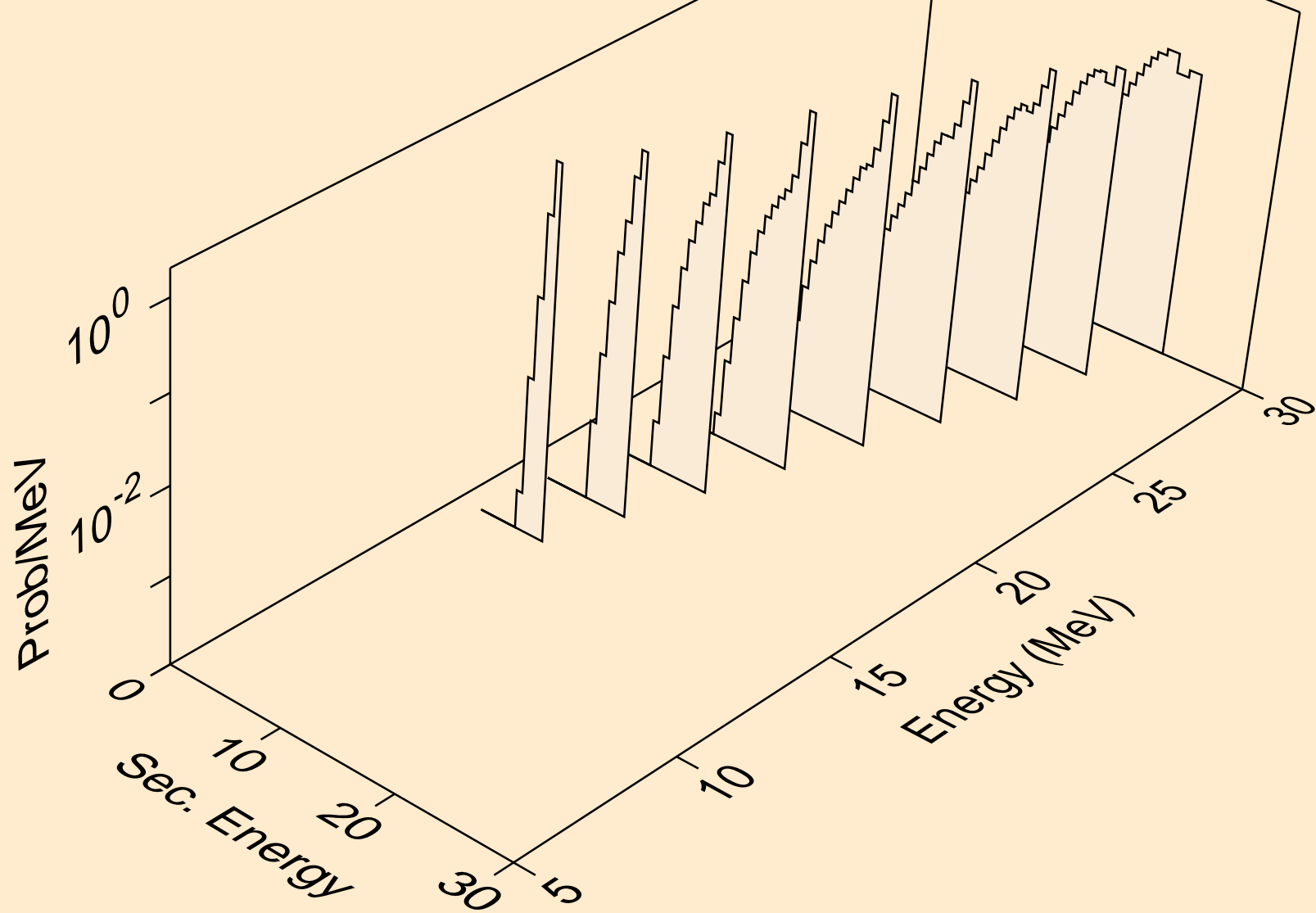tritons from (g,n*)t

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
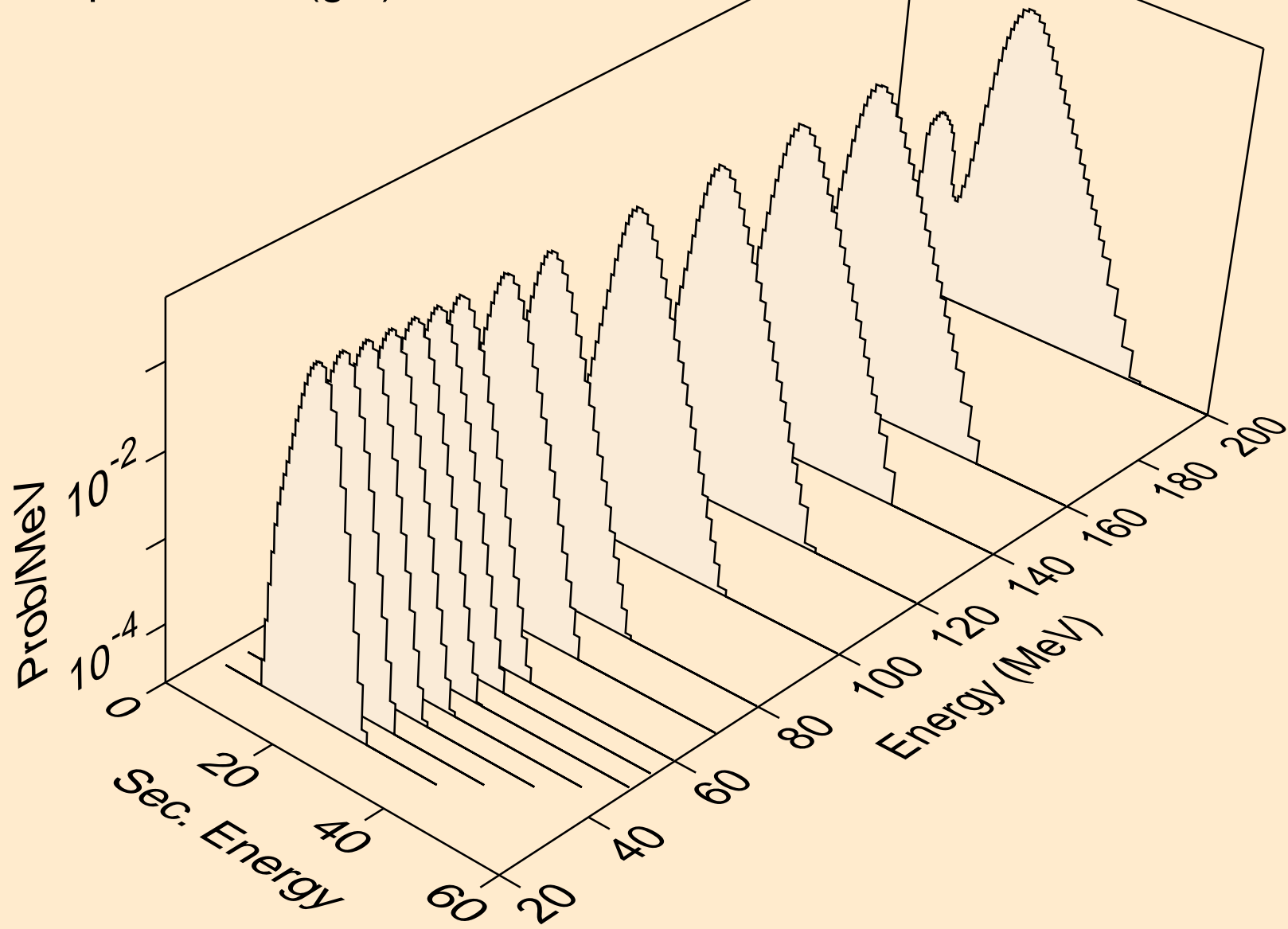tritons from (g,t)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (g,x)

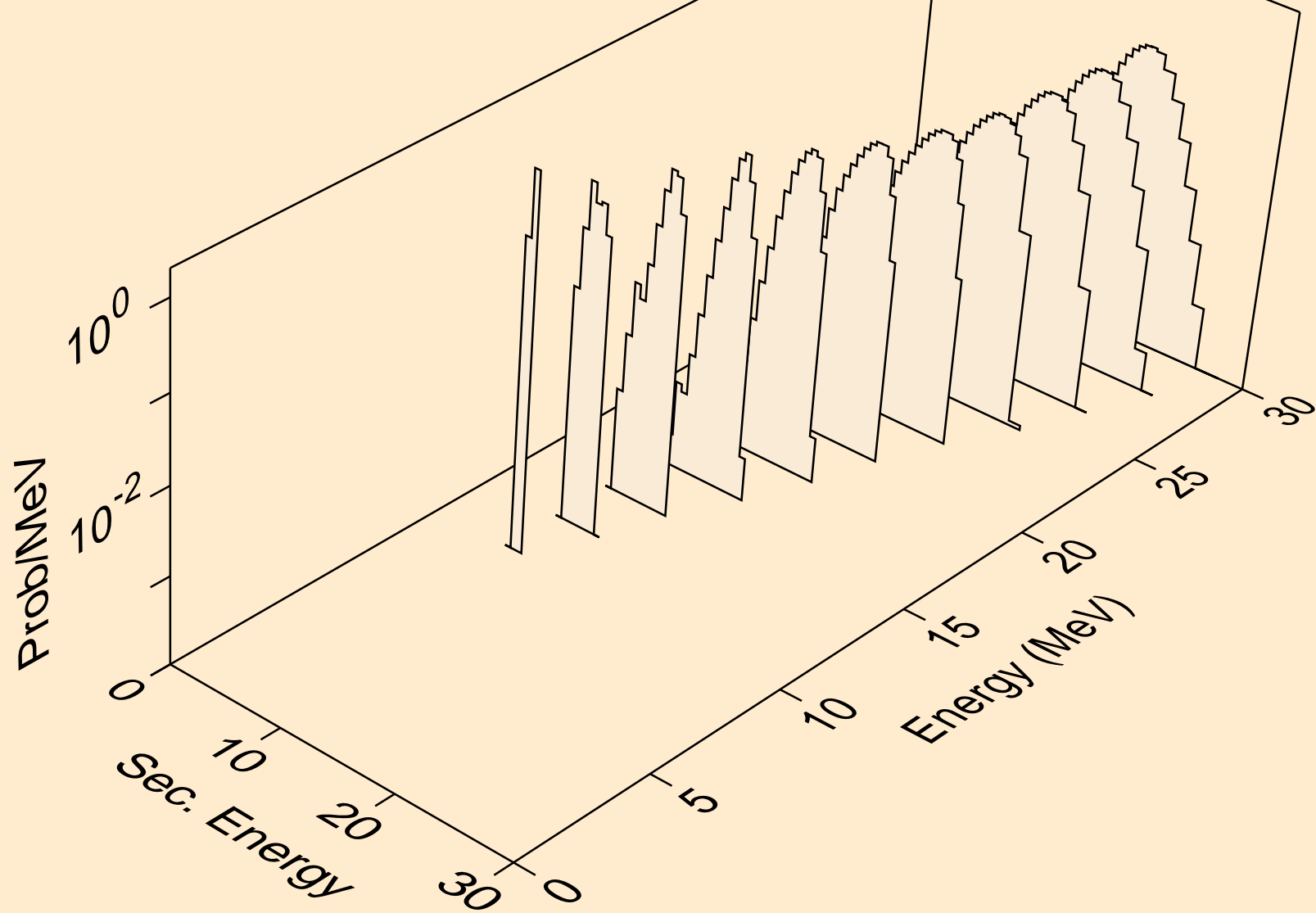BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
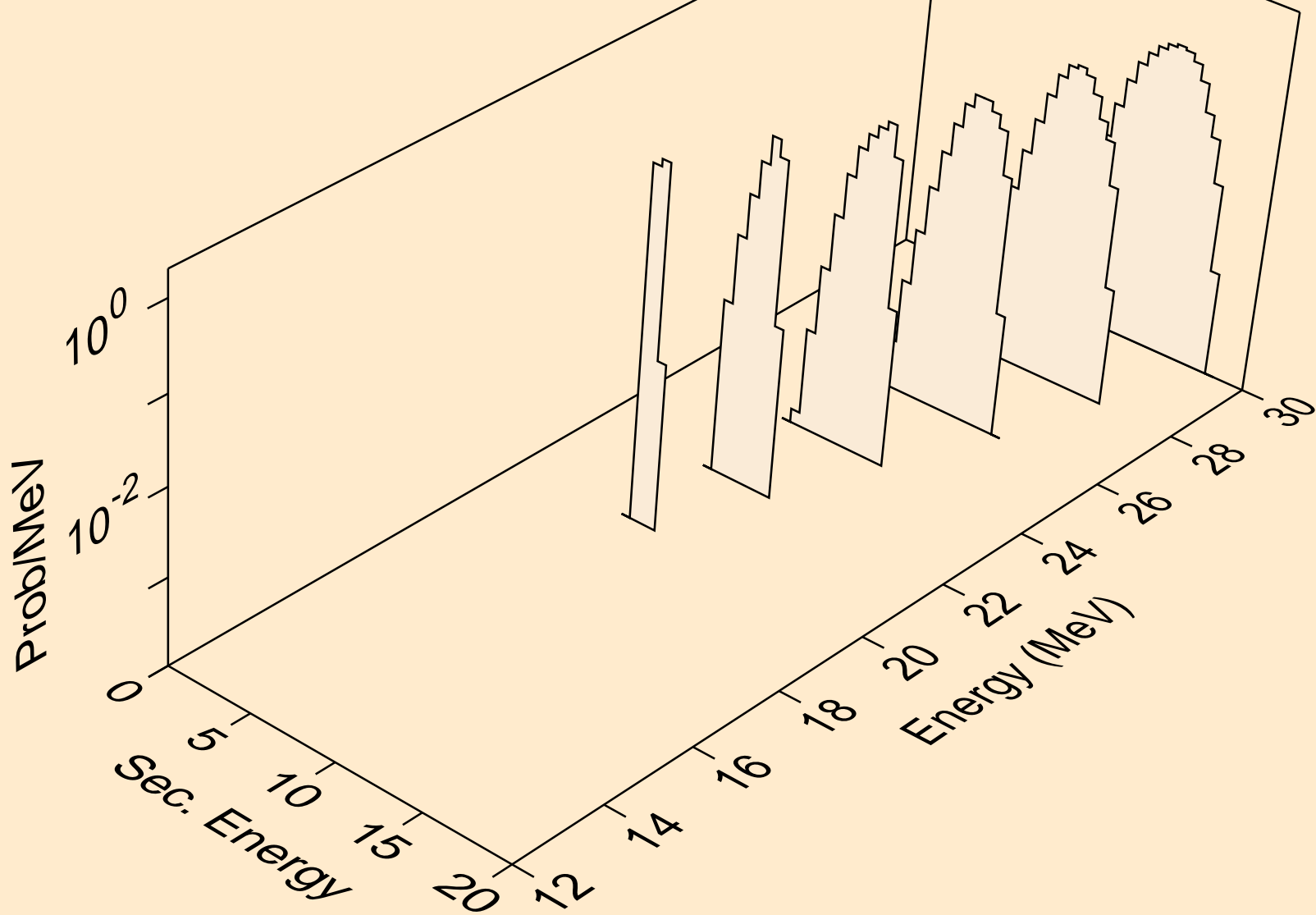he3s from (g,he3)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,x)

Prob/MeV

10^{-2}

10^{-4}

Sec. Energy

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,n*)a

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,2n)a

Prob/MeV

10^0

10^{-2}

0

Sec. Energy

5
10
15
20

Energy (MeV)

12
14
16
18
20
22
24
26
28
30

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,npa)

Prob/MeV

10^0

10^{-2}

10^{-4}

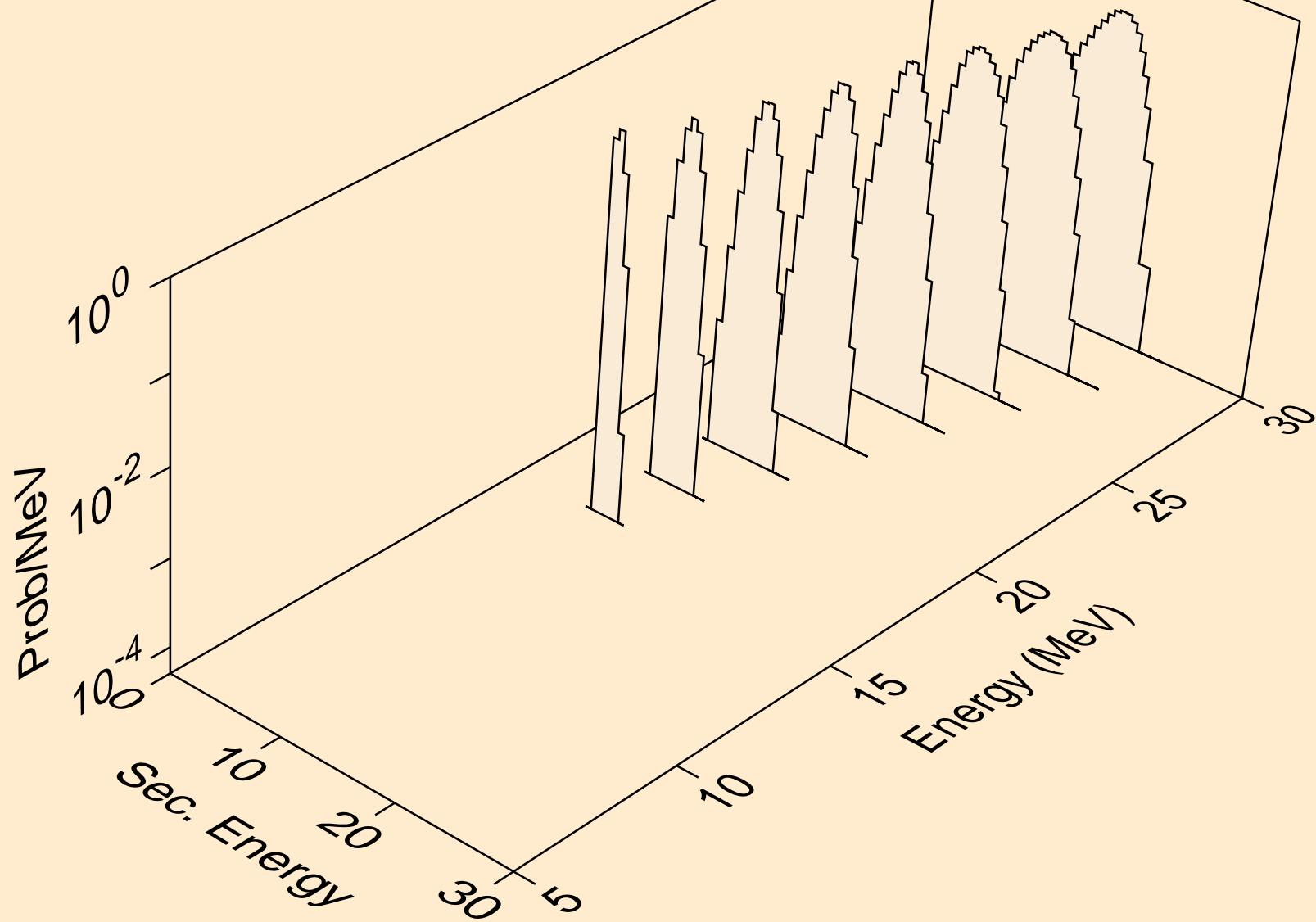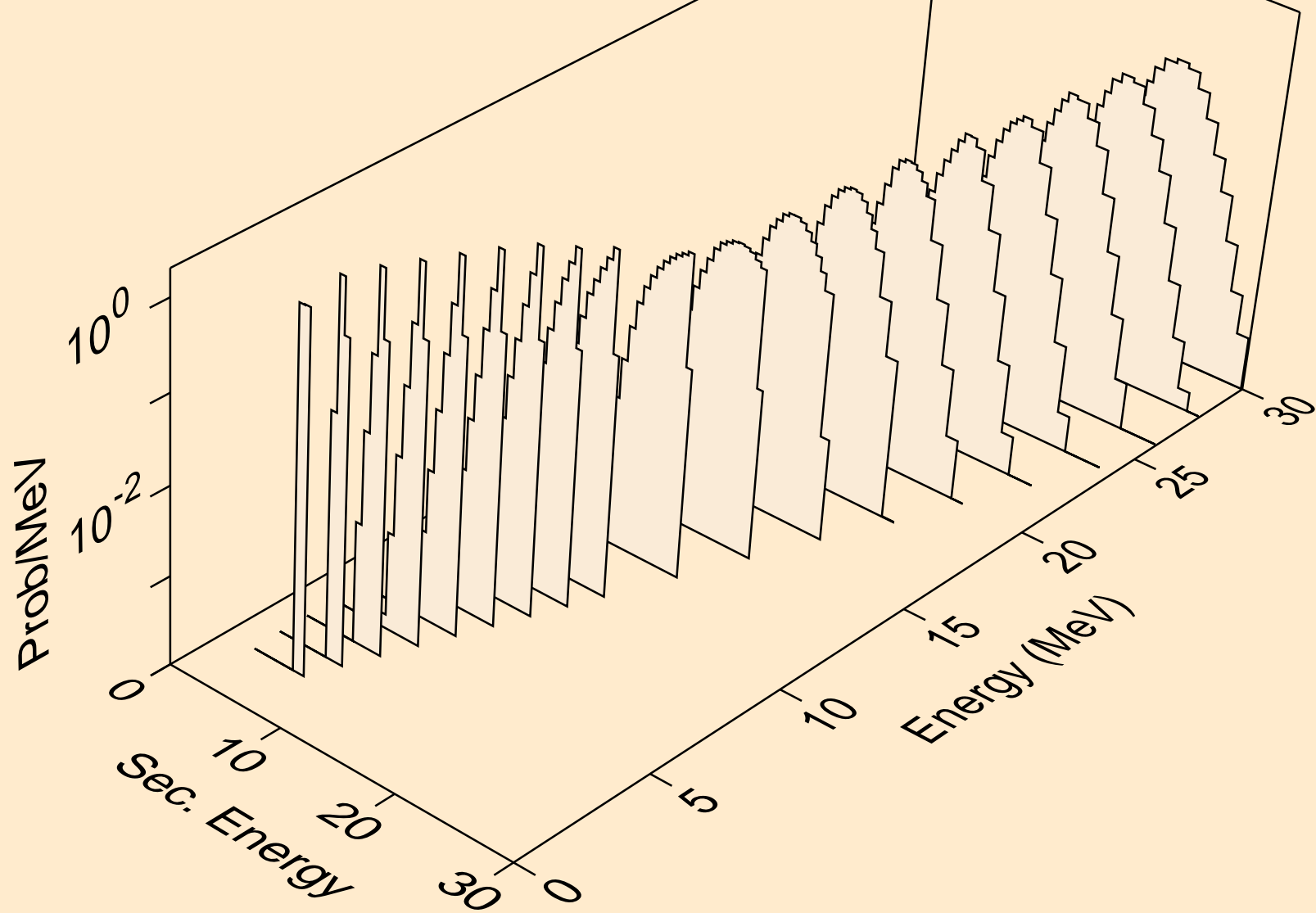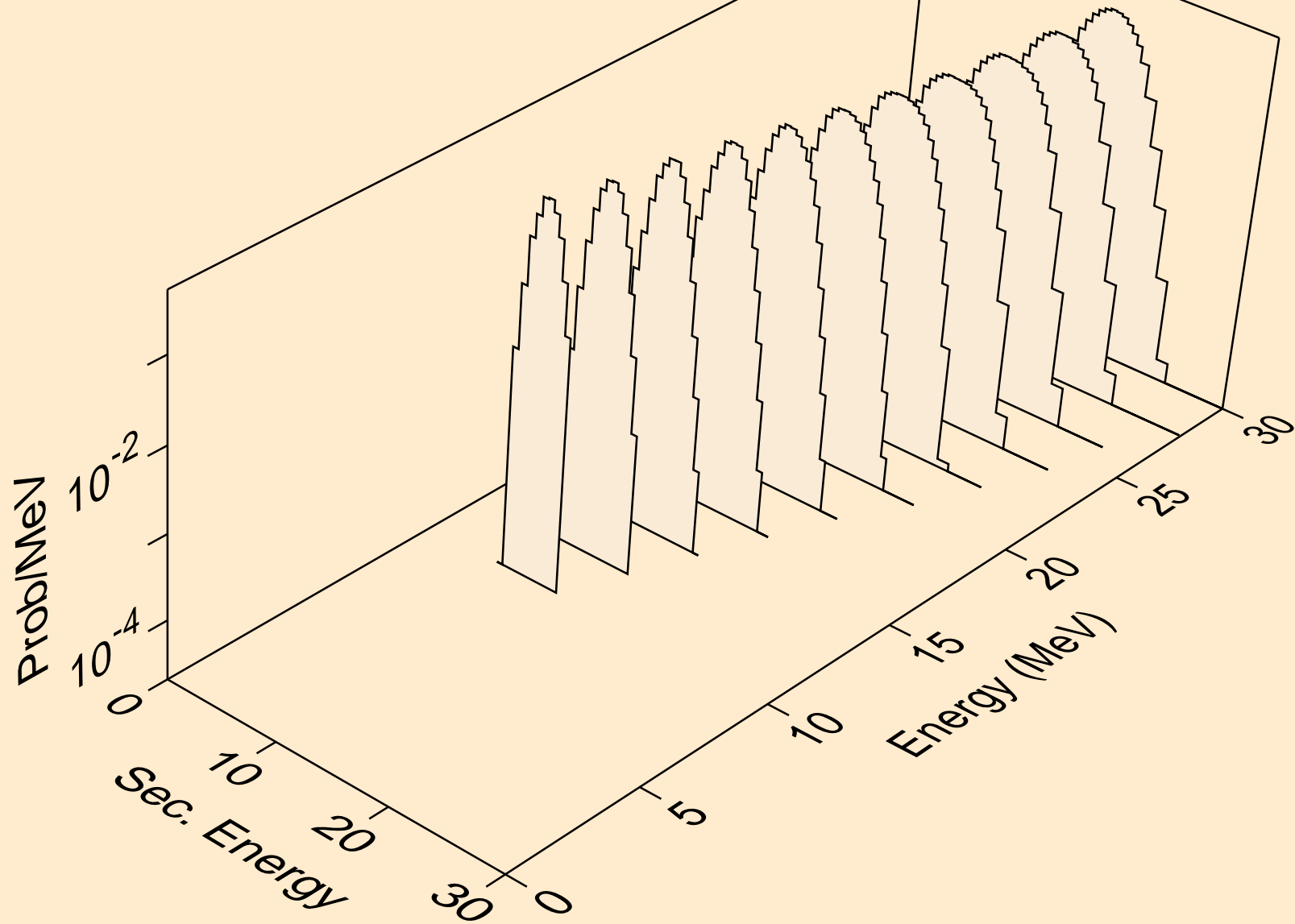Sec. Energy

10

20

30

5

10

15

20

25

30

Energy (MeV)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,a)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,2a)

BI198 PHOTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (g,pa)