DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

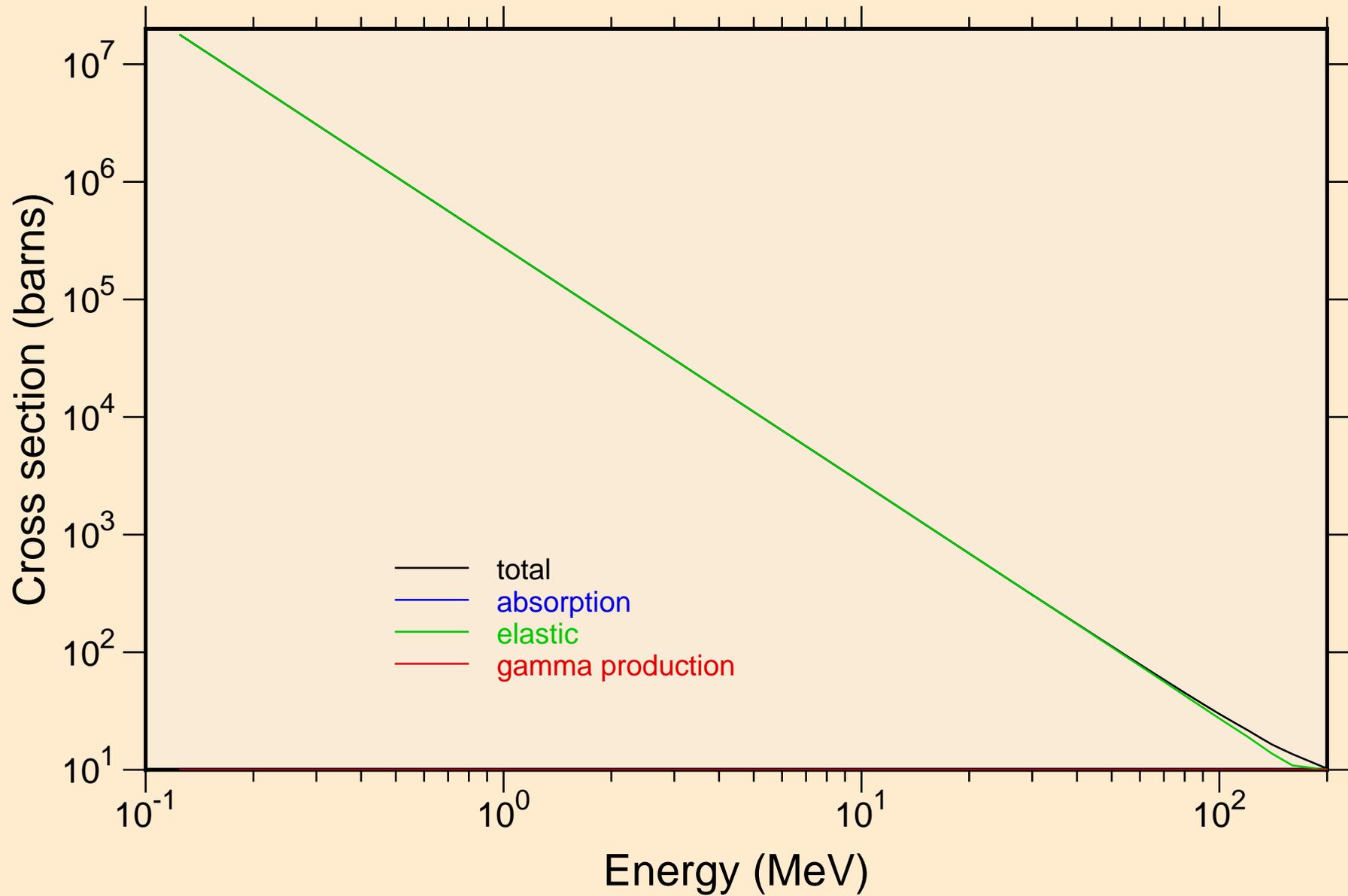Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Heating

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
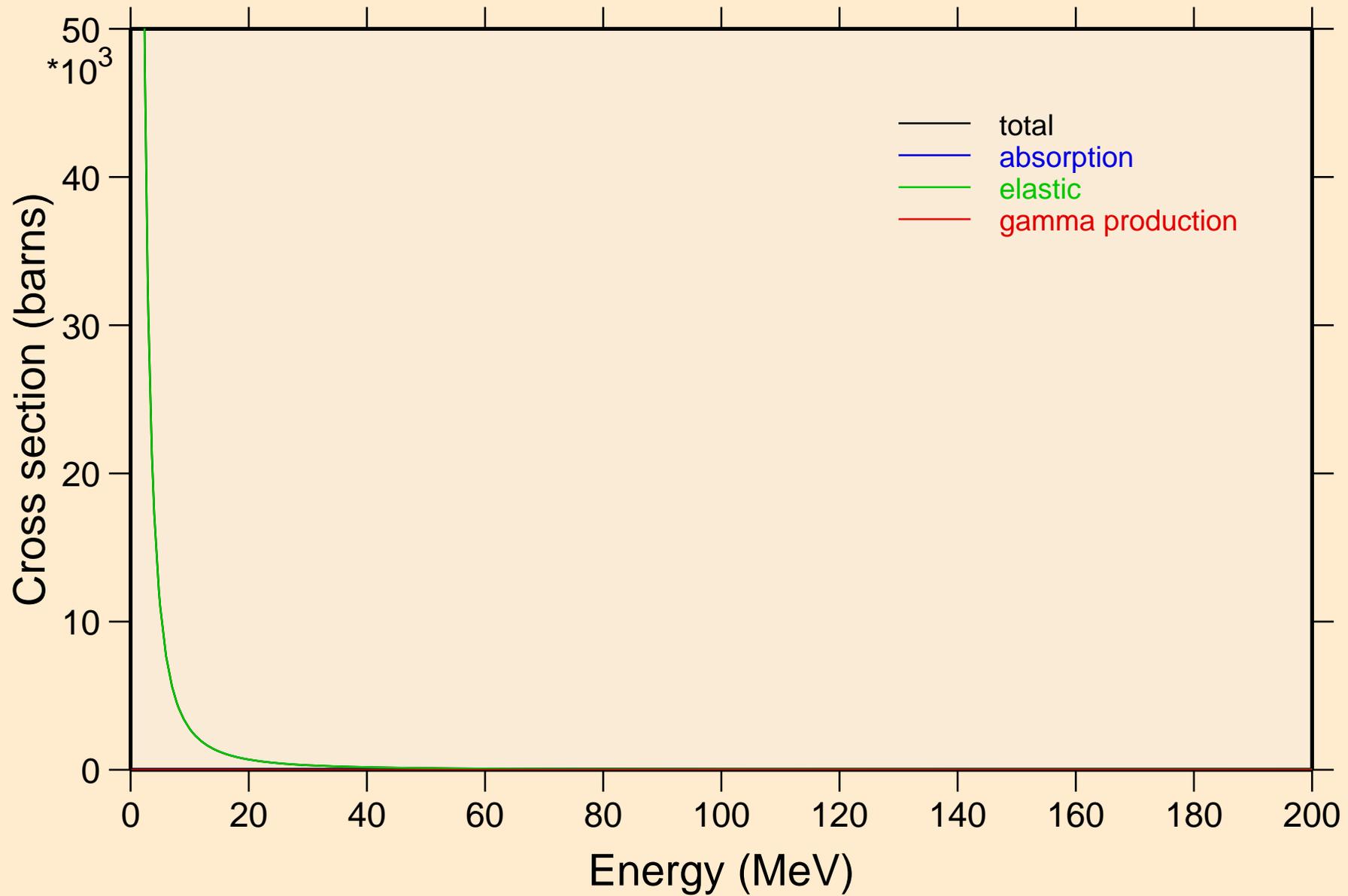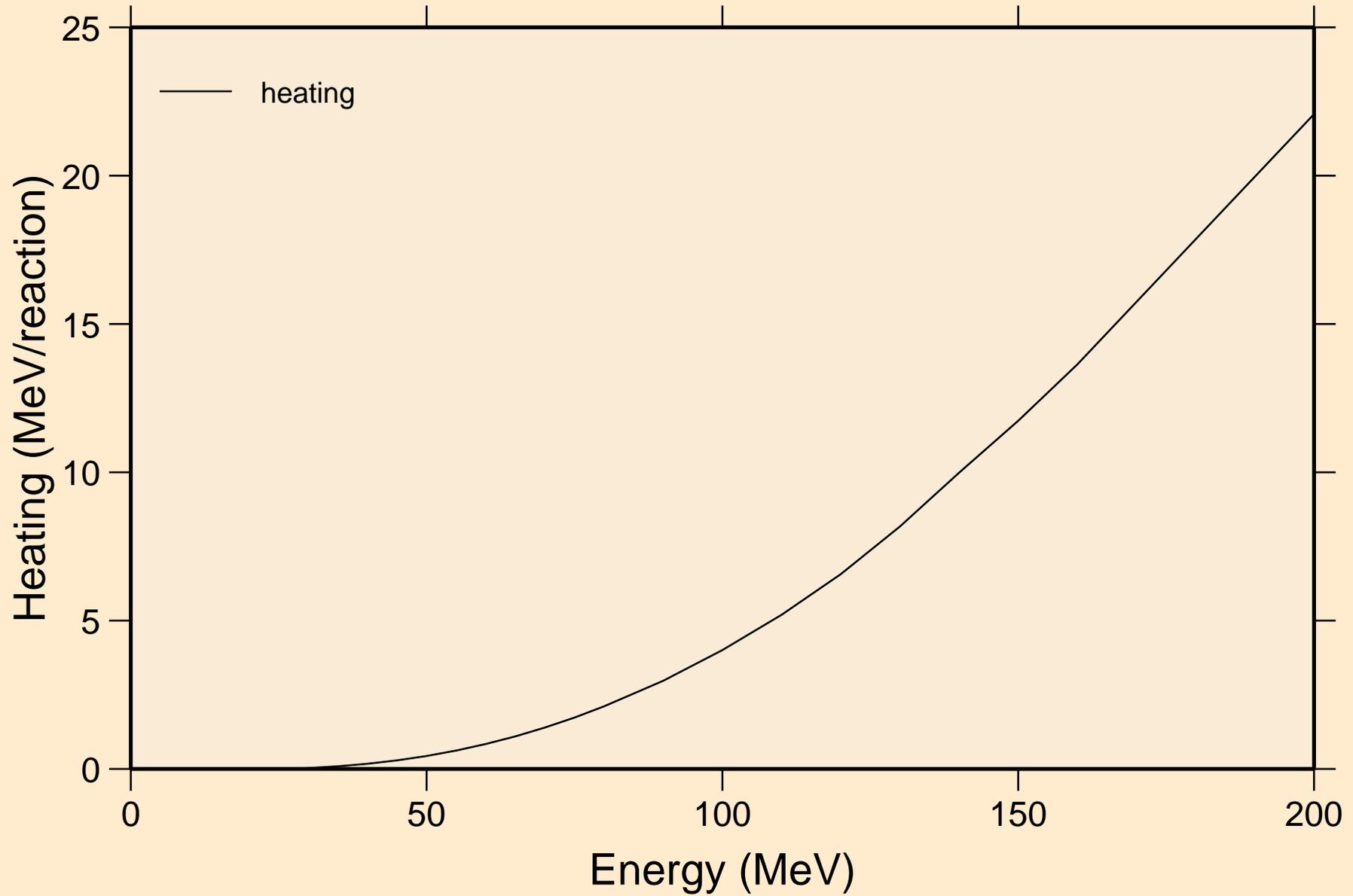
Legend:
- total
- absorption
- elastic
- gamma production

Y-axis: Cross section (barns), *10³, scale 0 to 50
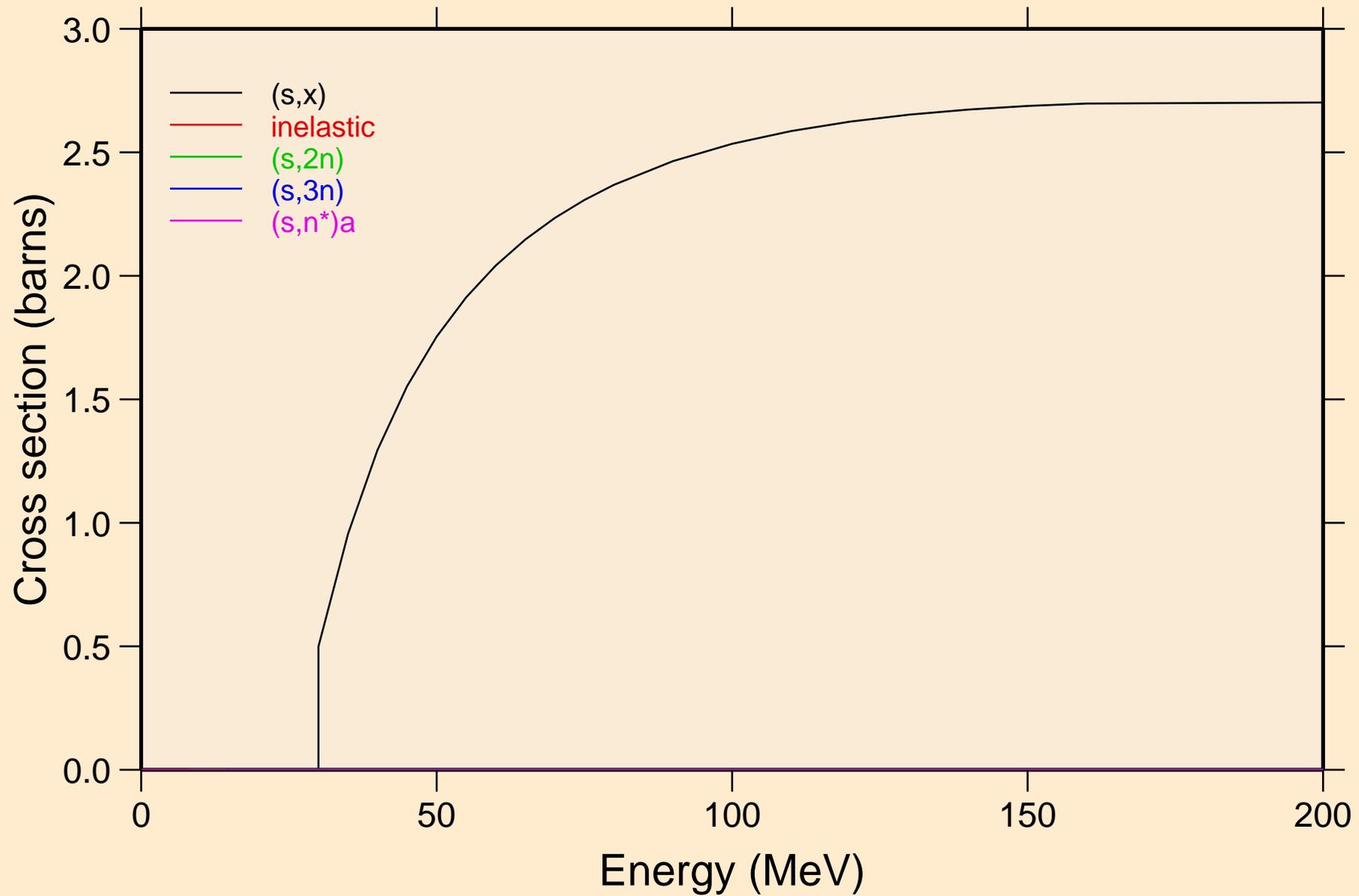X-axis: Energy (MeV), scale 0 to 200
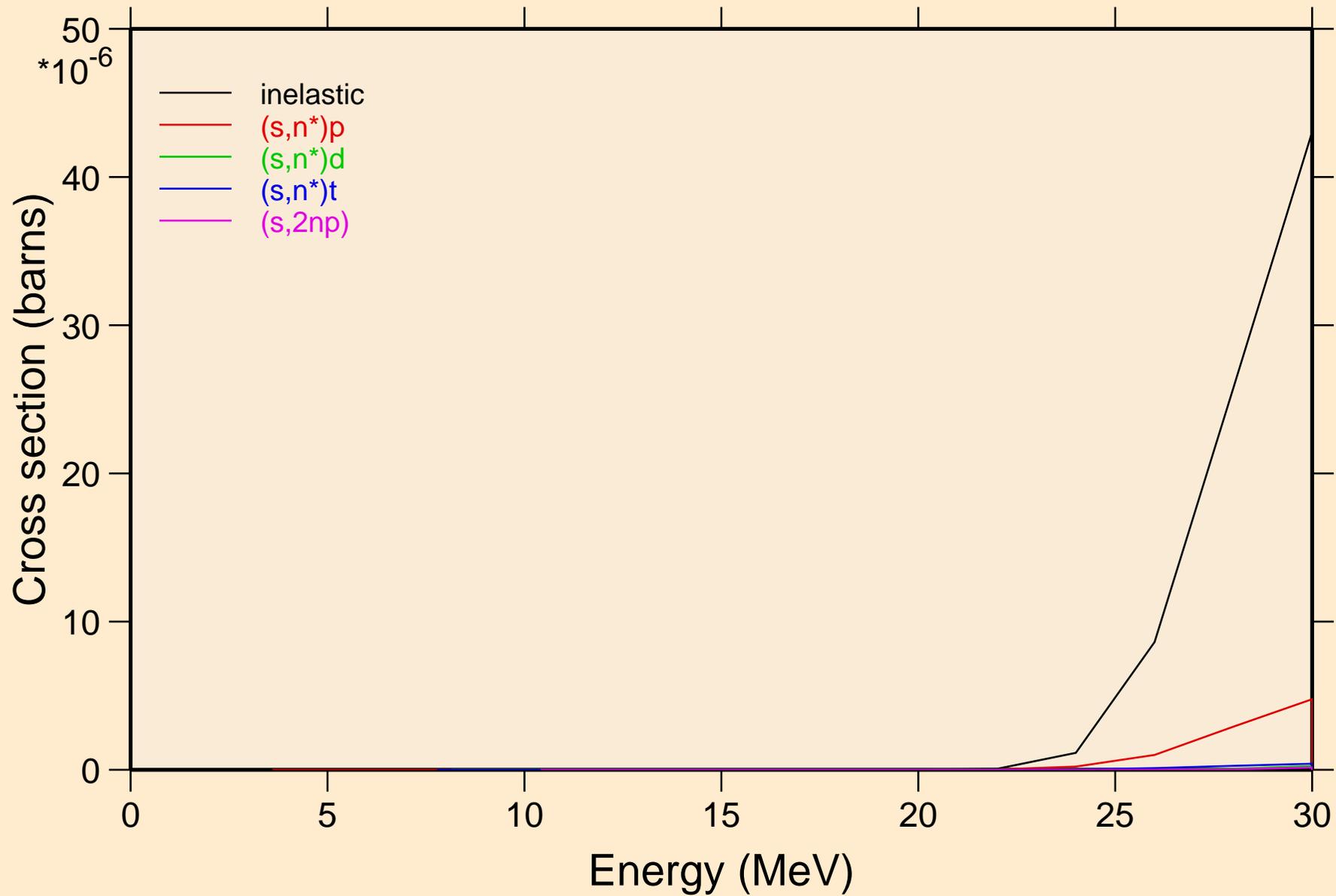
DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Heating

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Legend:
- (s,x)
- inelastic
- (s,2n)
- (s,3n)
- (s,n*)a

Cross section (barns) vs Energy (MeV)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Cross section (barns)

Energy (MeV)

Legend:
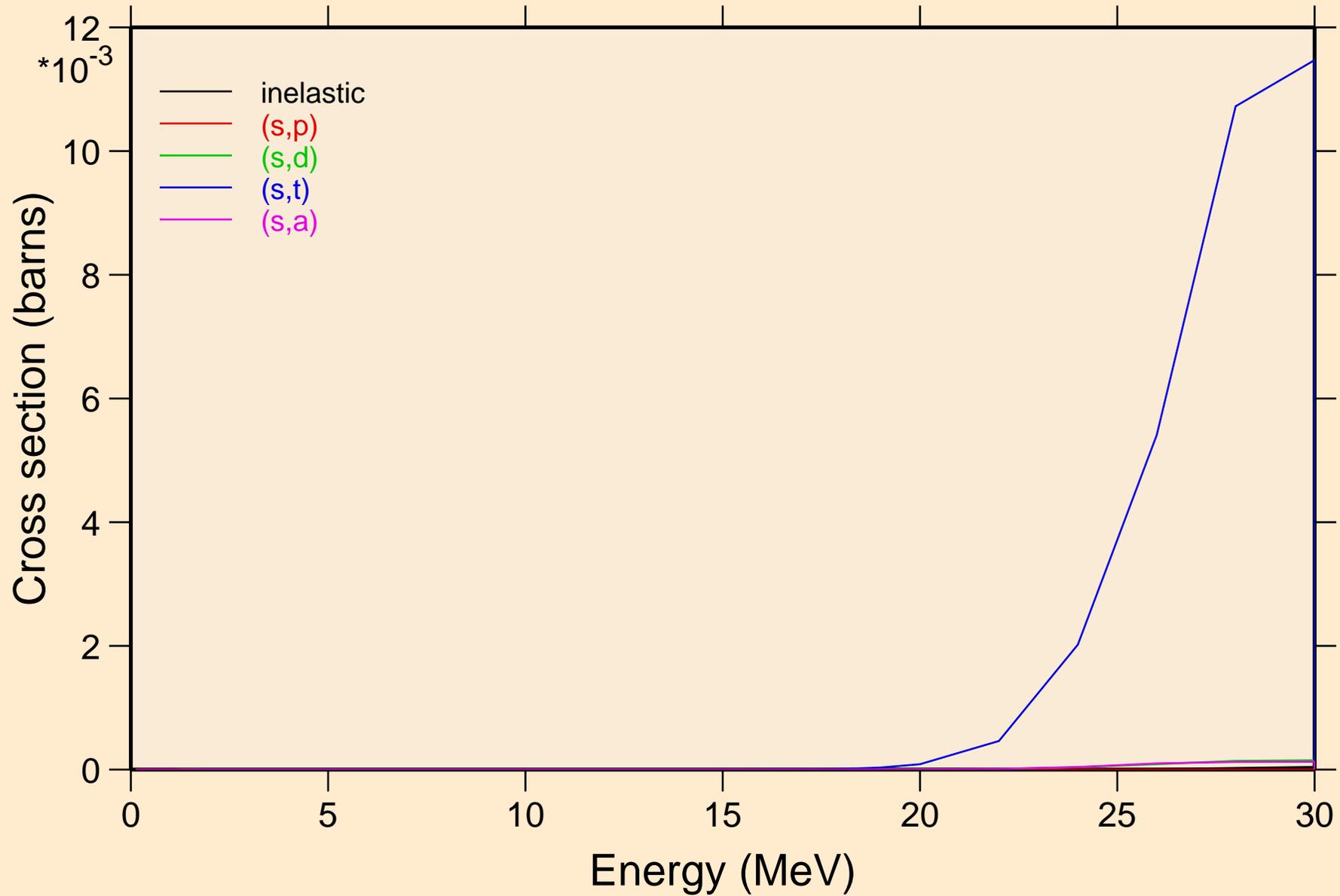- inelastic
- (s,n*)p
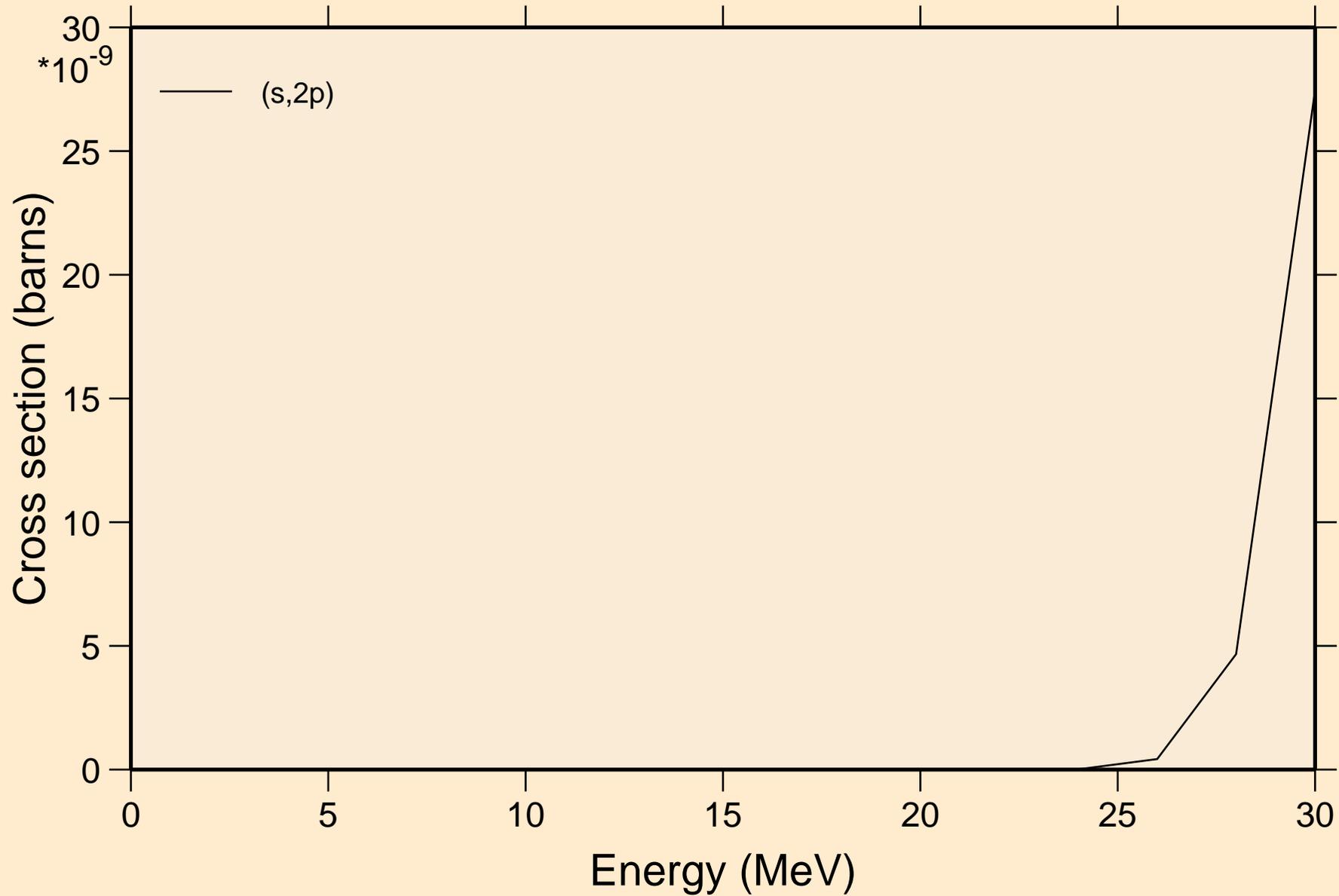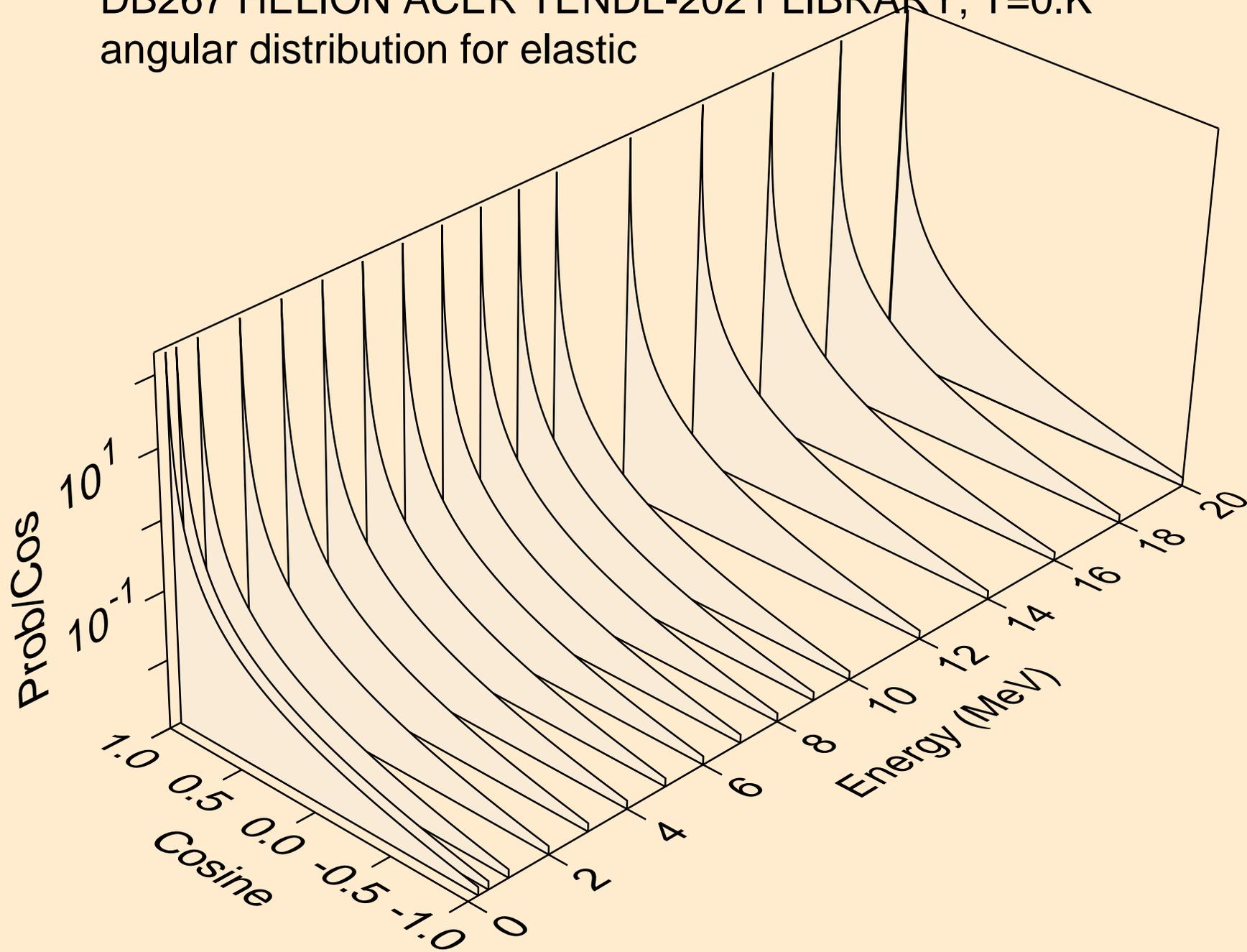- (s,n*)d
- (s,n*)t
- (s,2np)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
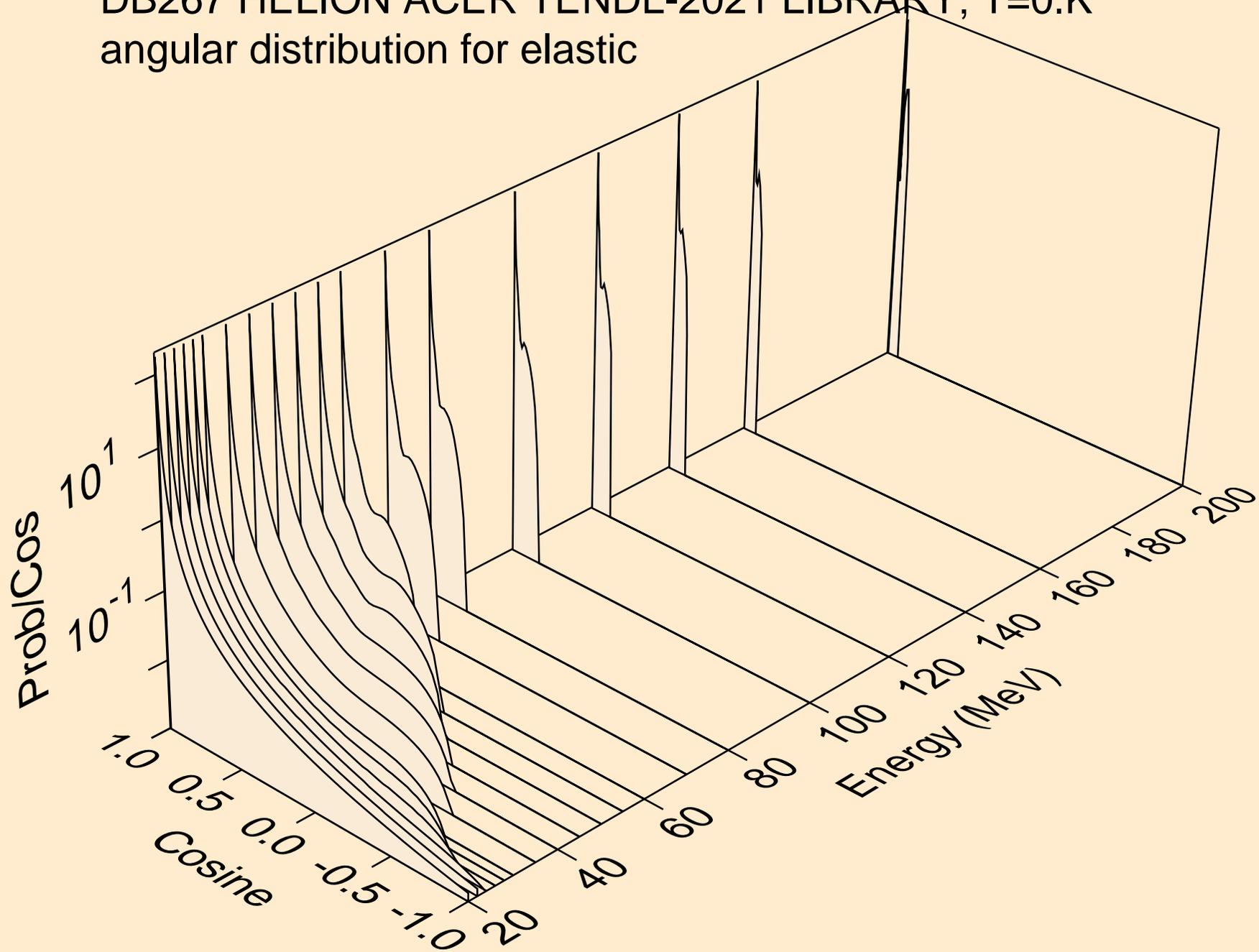Threshold reactions

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
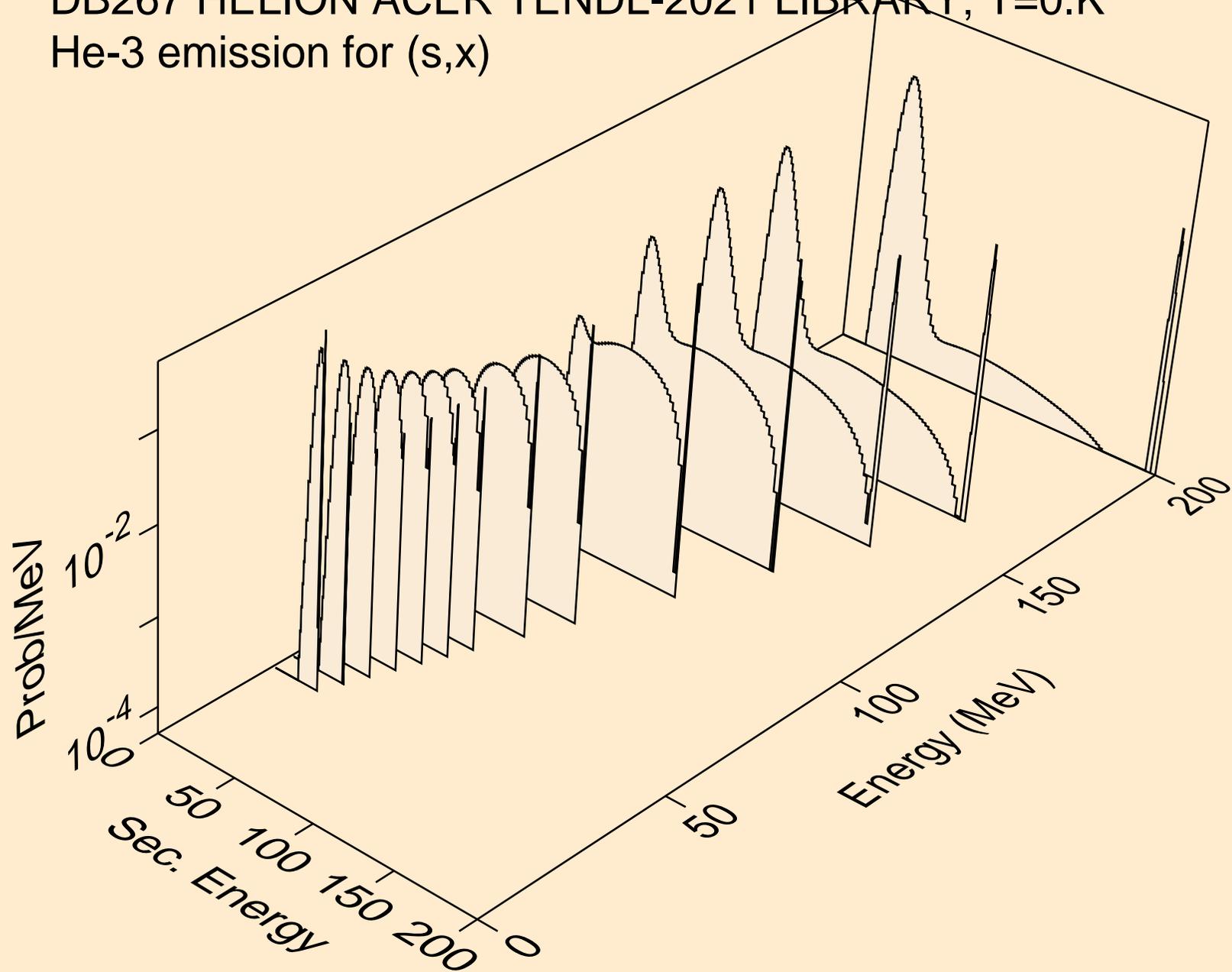Threshold reactions

(s,2p)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
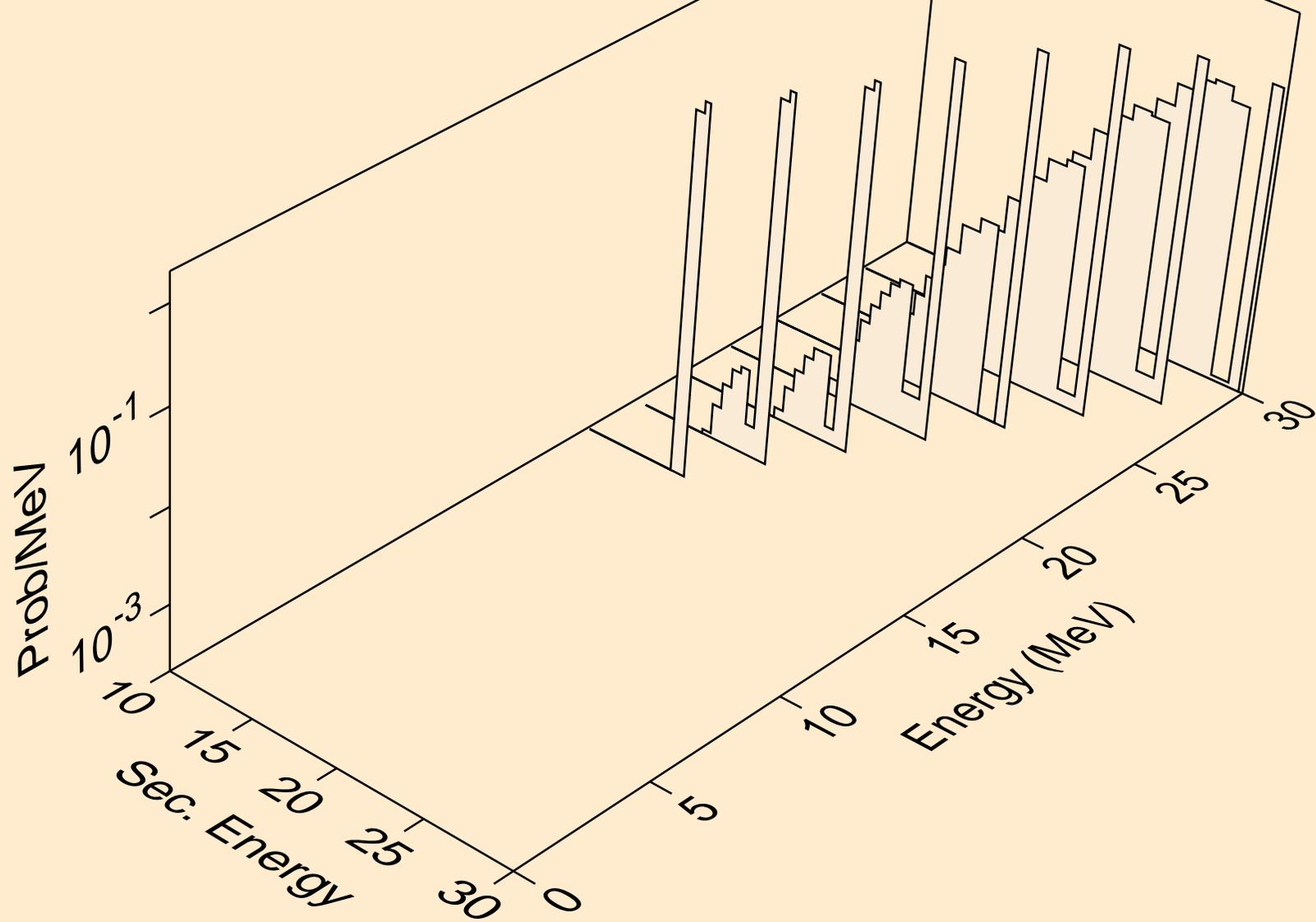angular distribution for elastic

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
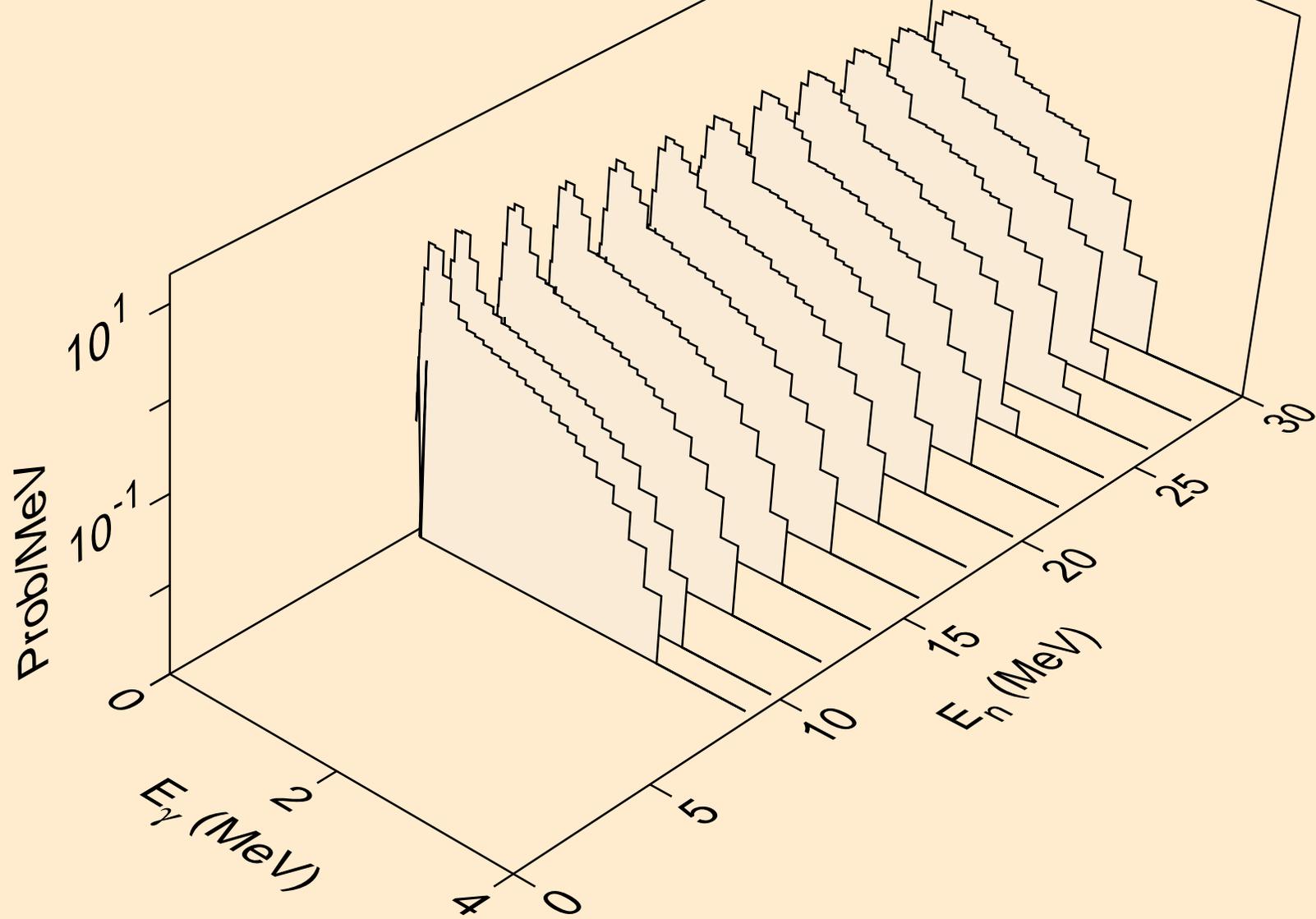angular distribution for elastic

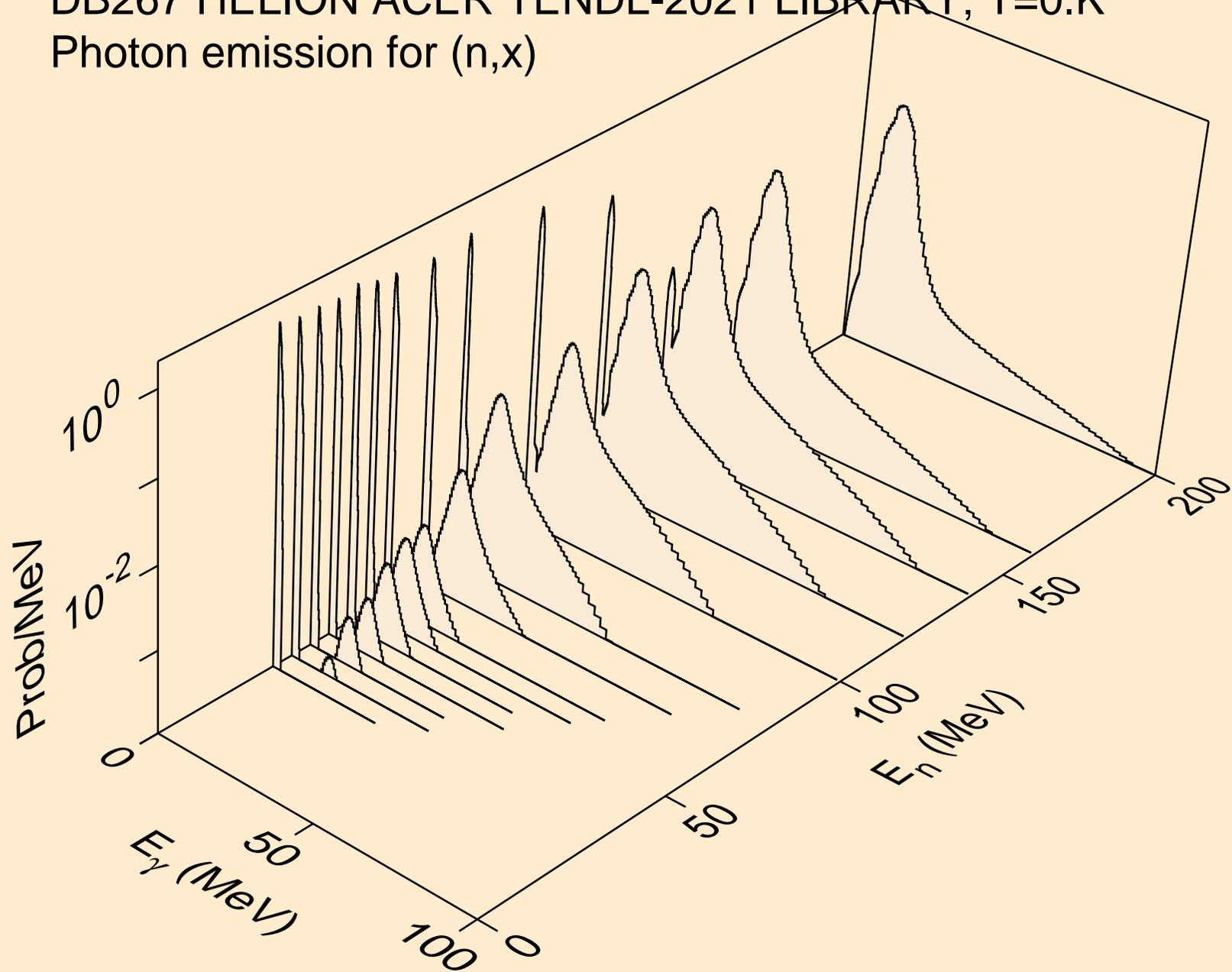DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
He-3 emission for (s,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
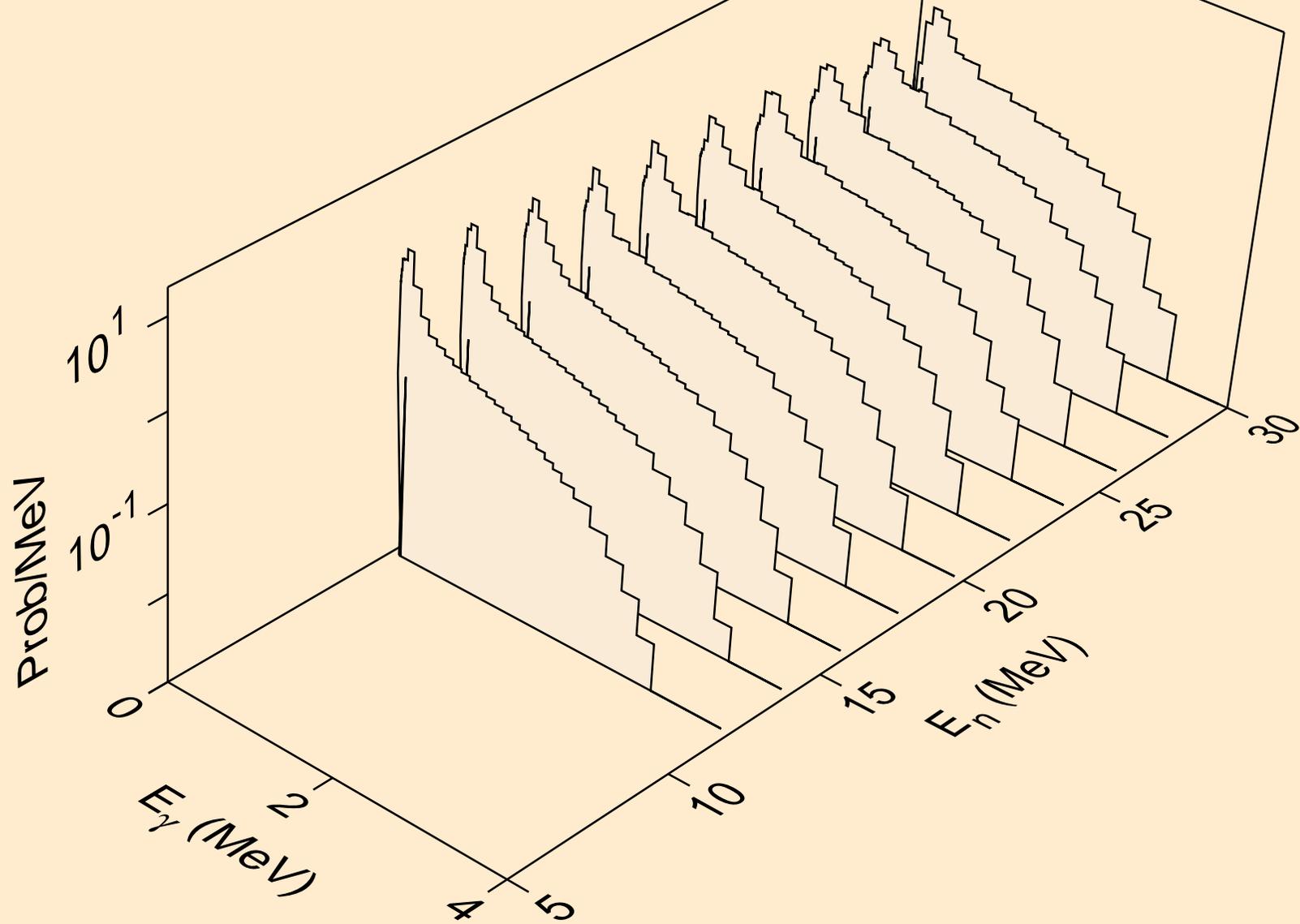He-3 emission for inelastic

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
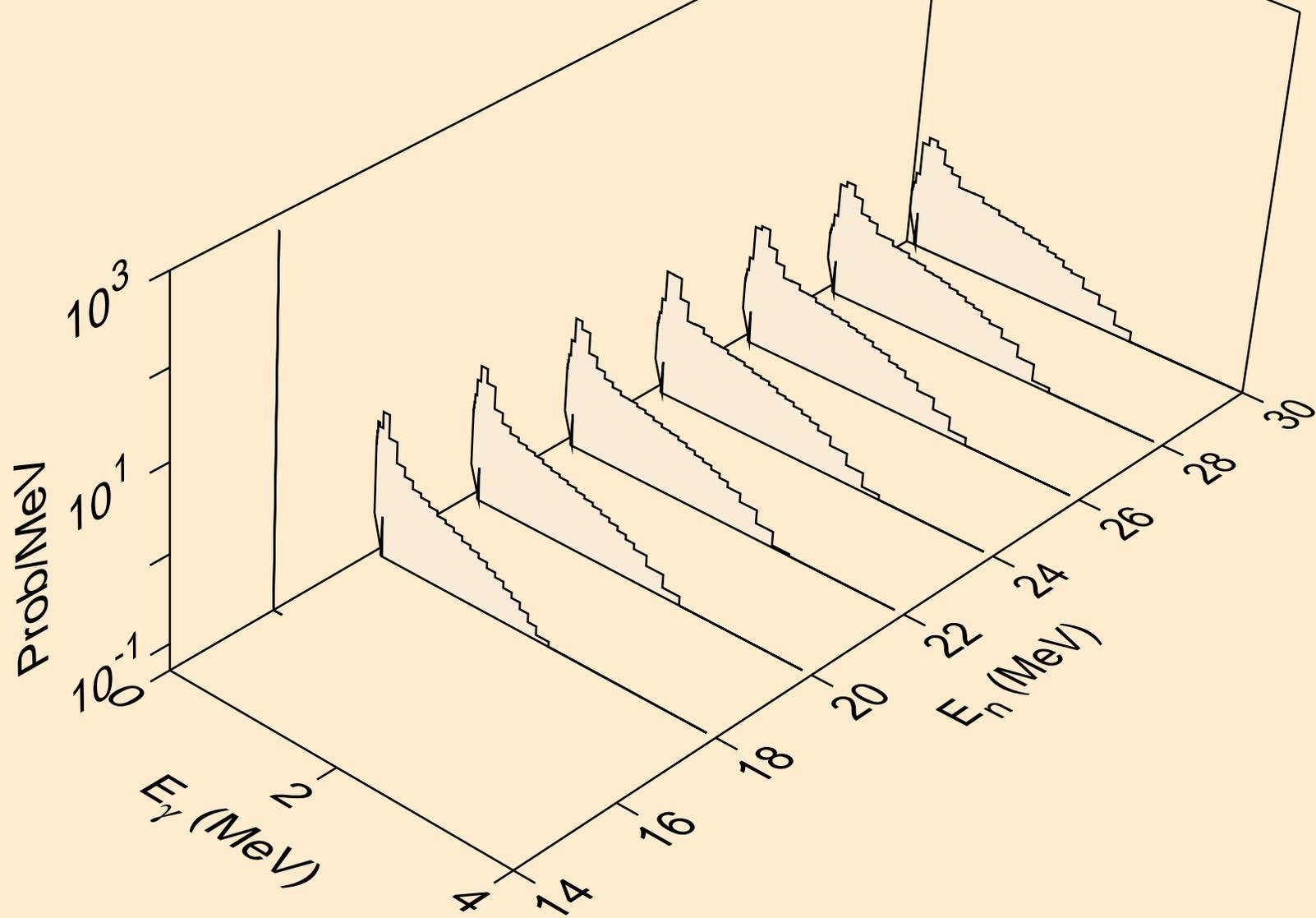Photon emission for (z,n)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
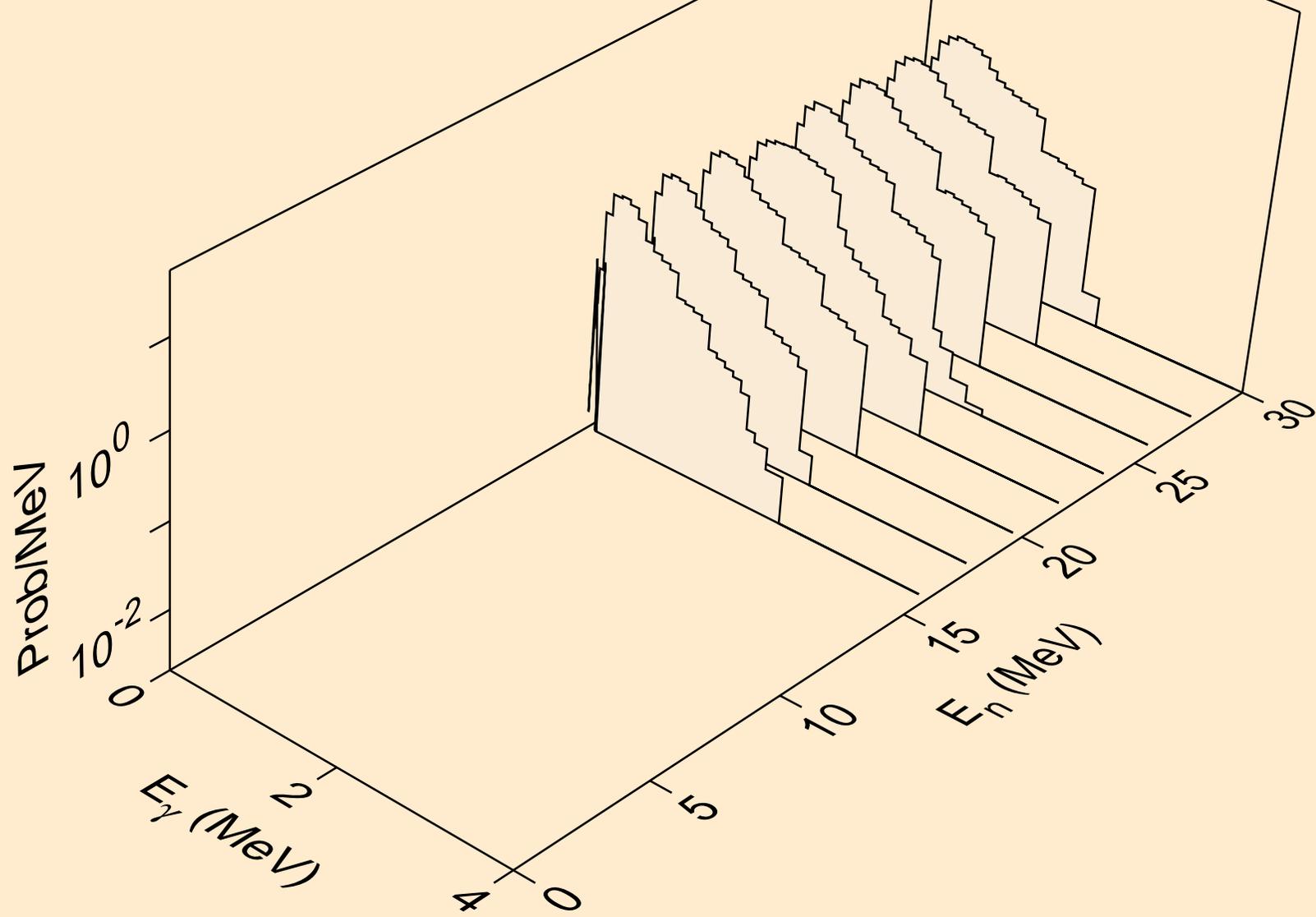Photon emission for (n,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
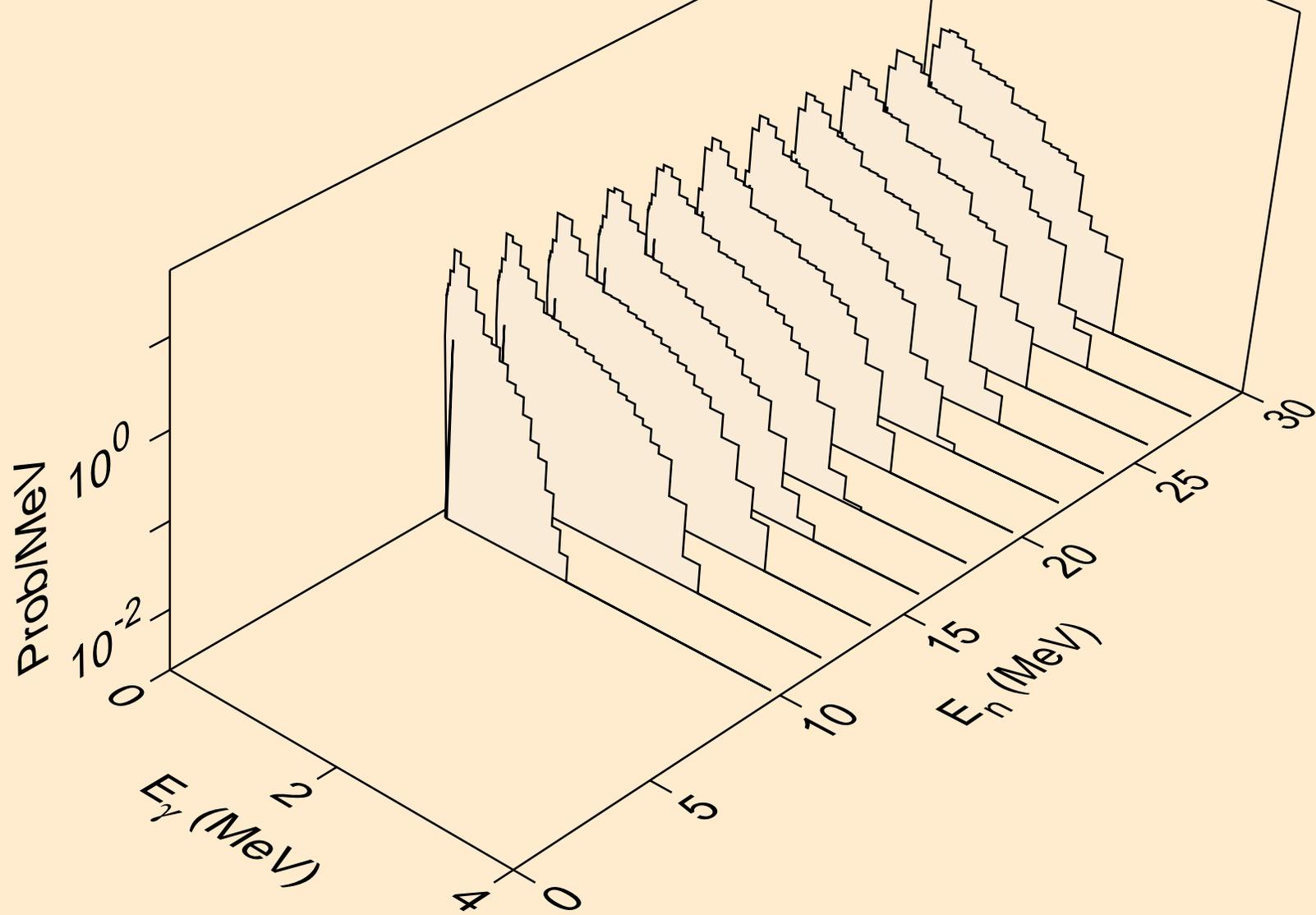Photon emission for (n,2n)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
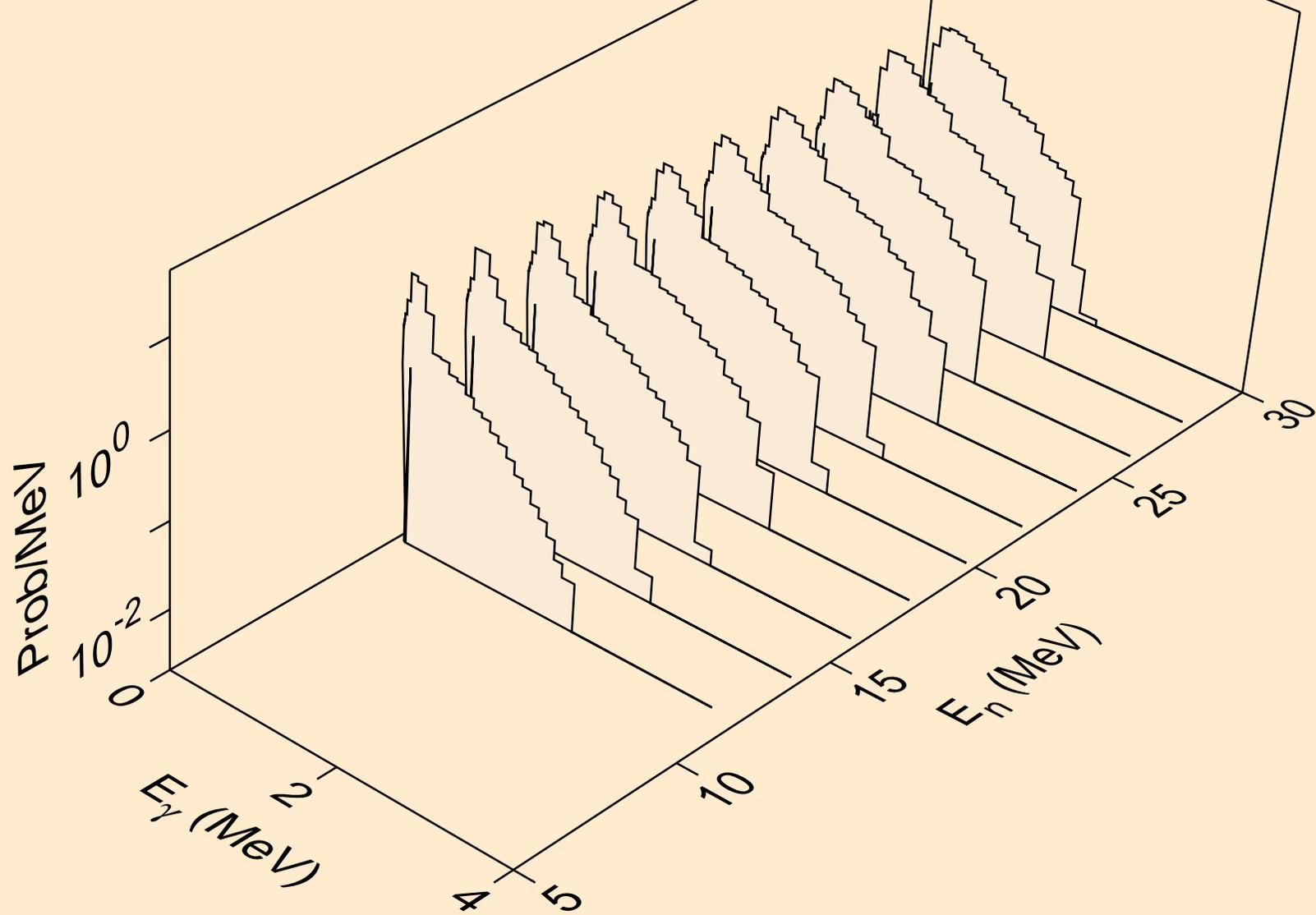Photon emission for (n,3n)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
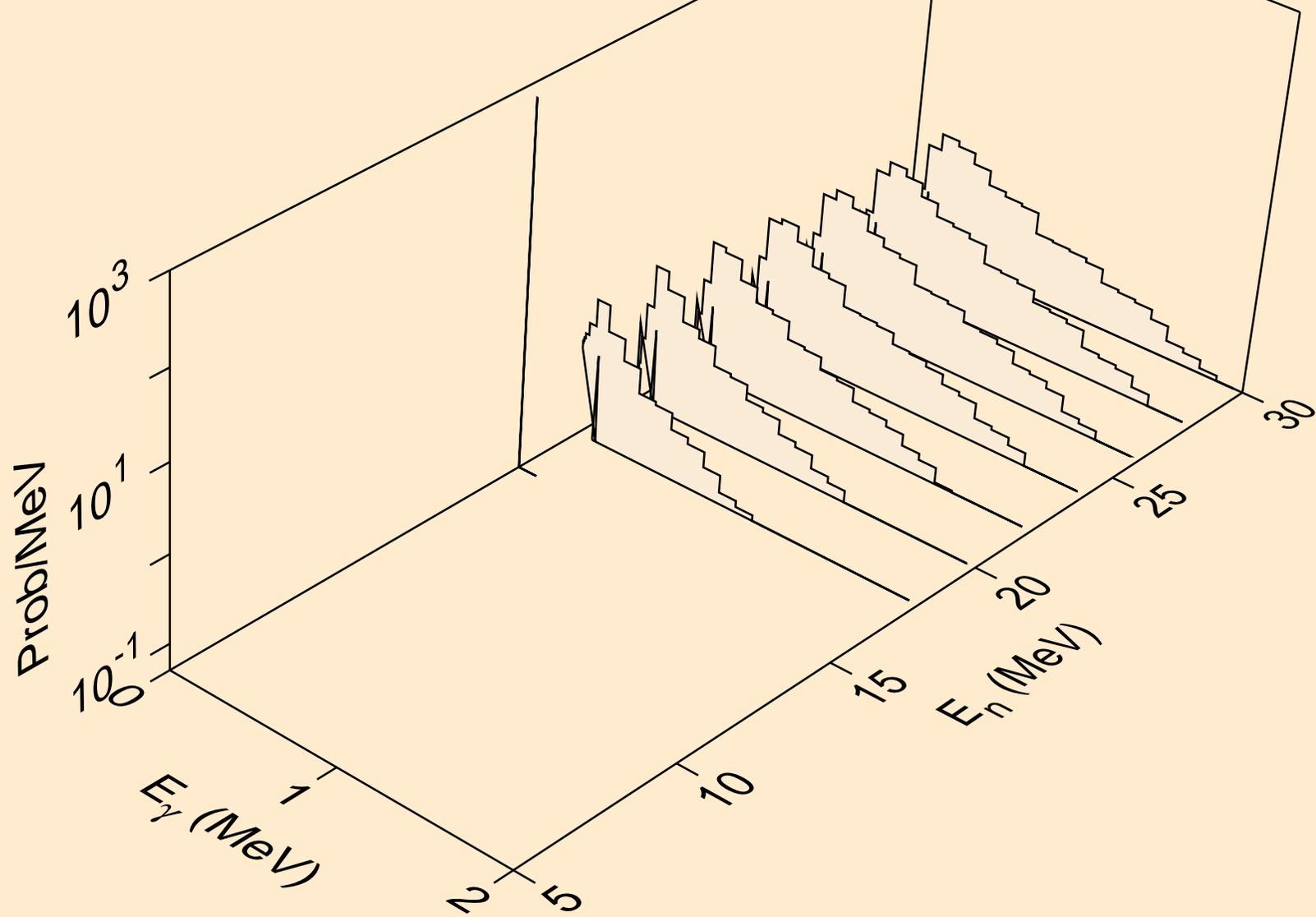Photon emission for (n,n*)a

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
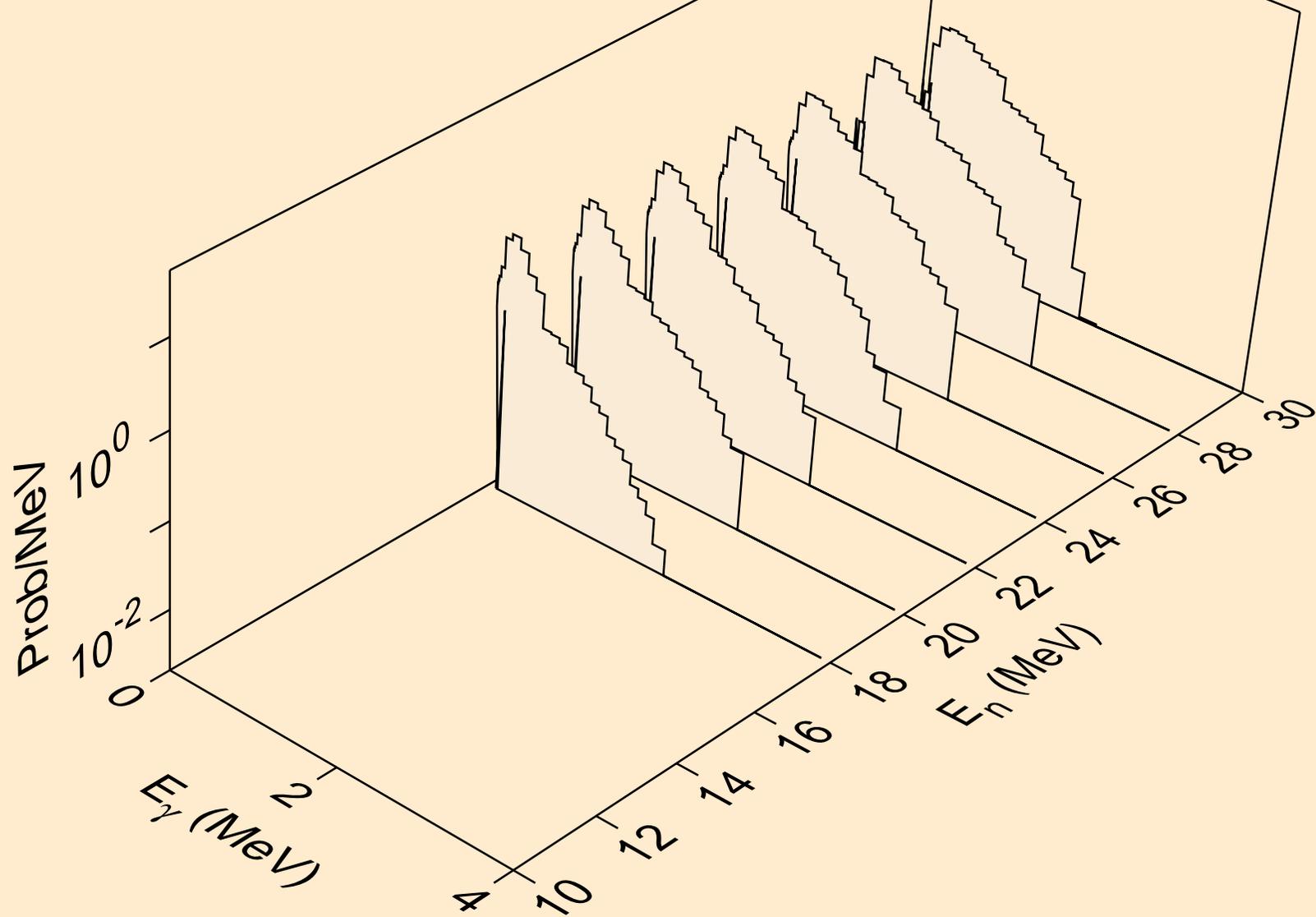Photon emission for (n,n*)p

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
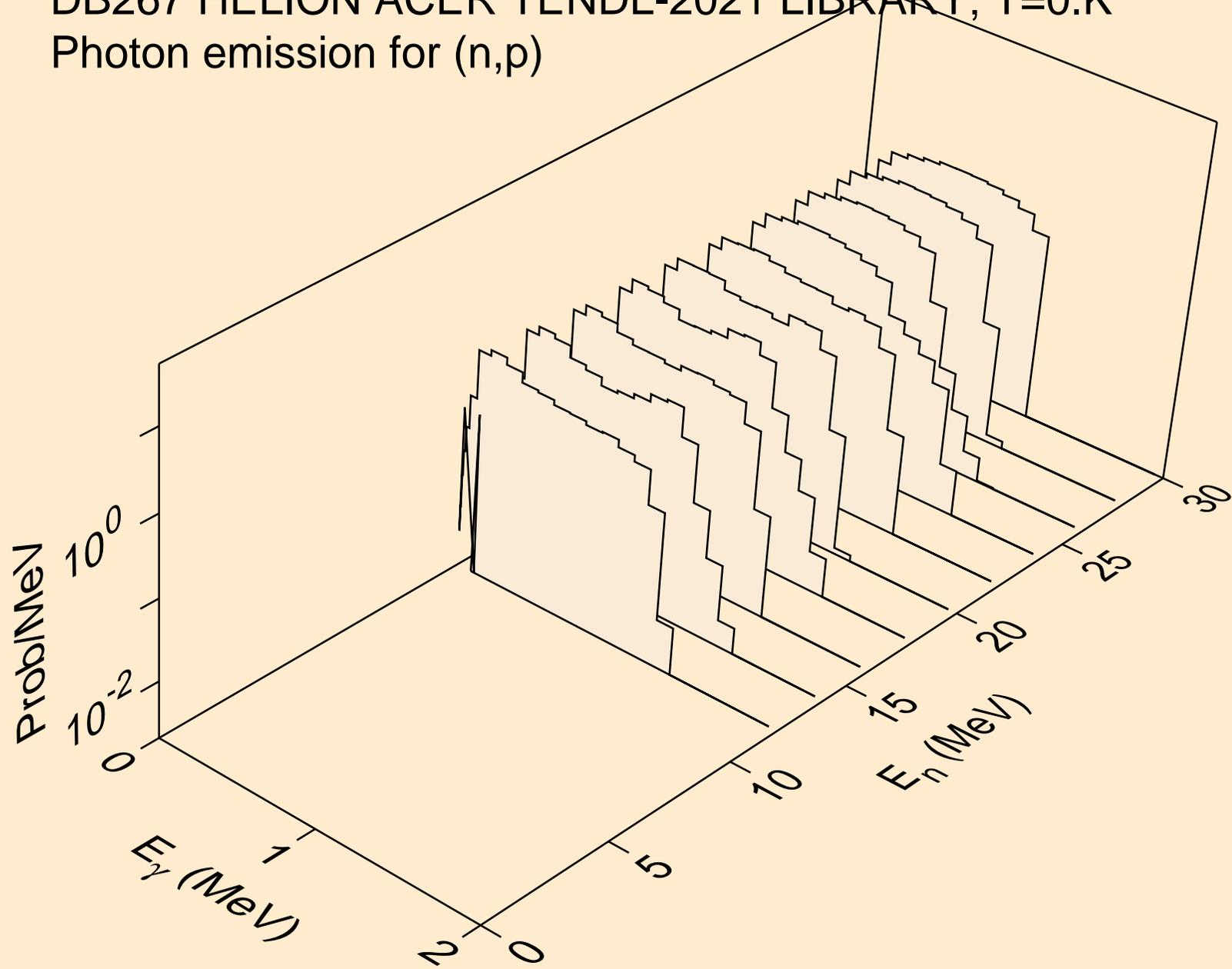Photon emission for (n,n*)d

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
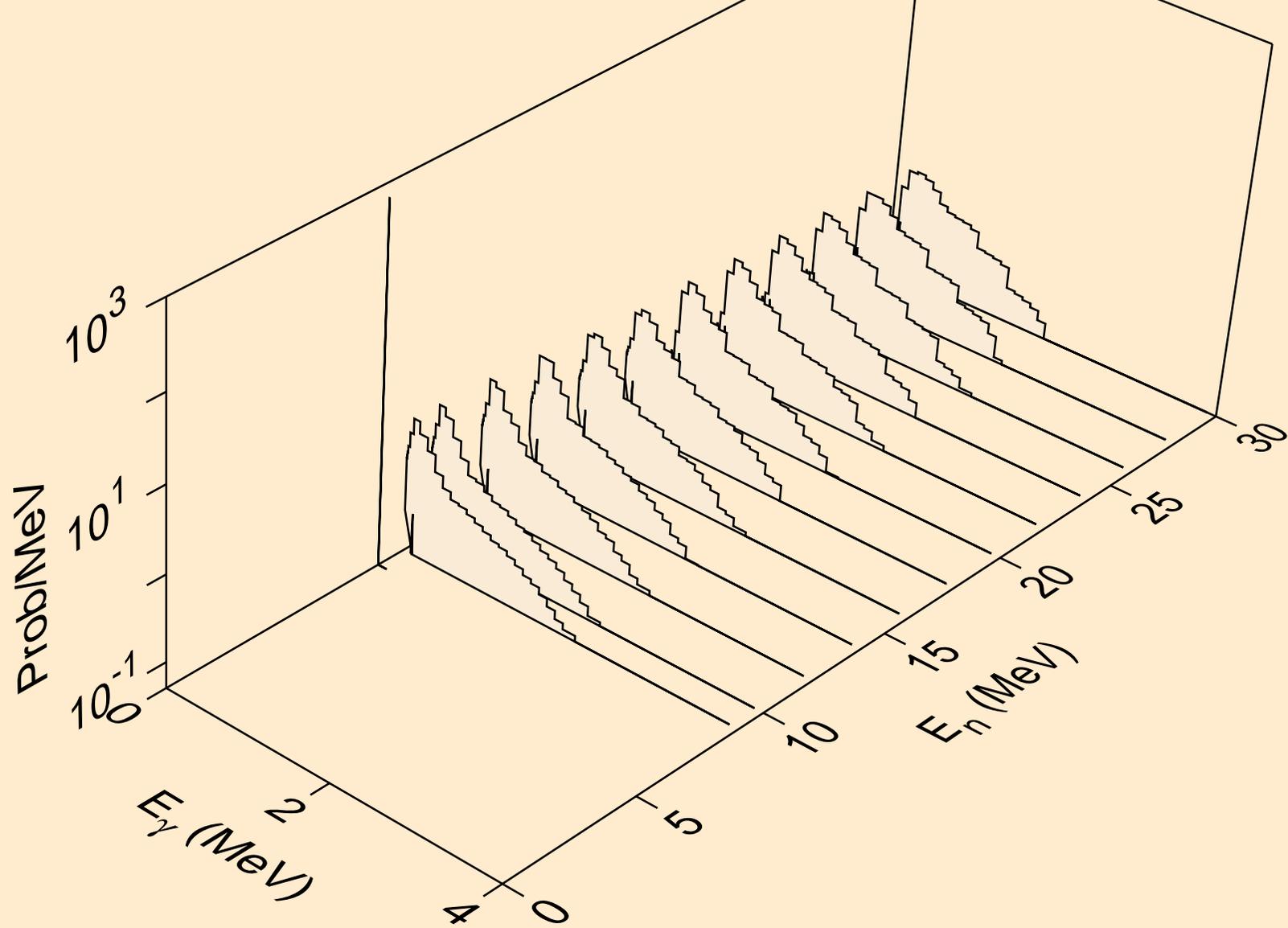Photon emission for (n,n*)t

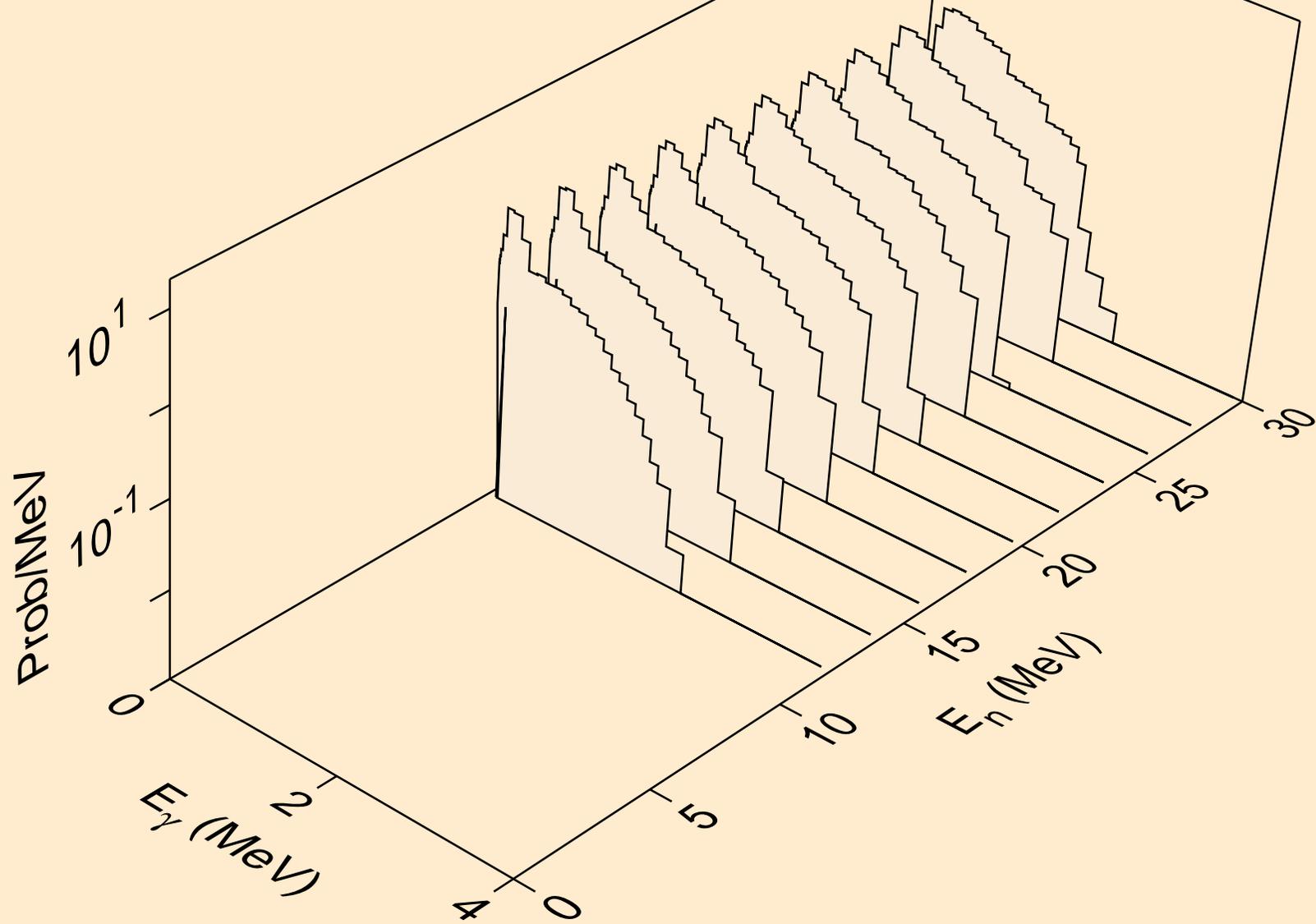DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2np)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p)

ProbIMeV

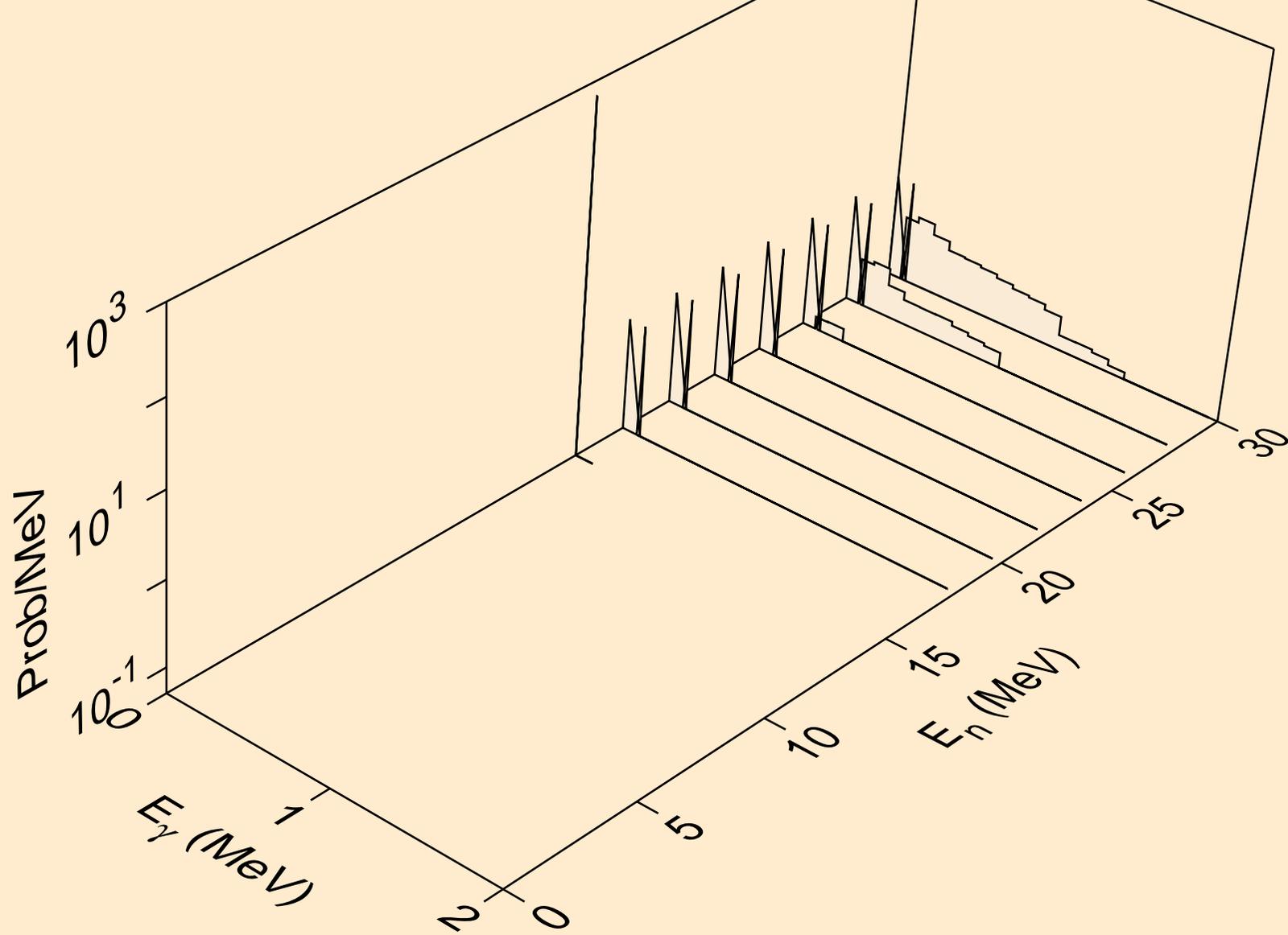E_γ (MeV)

E_n (MeV)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
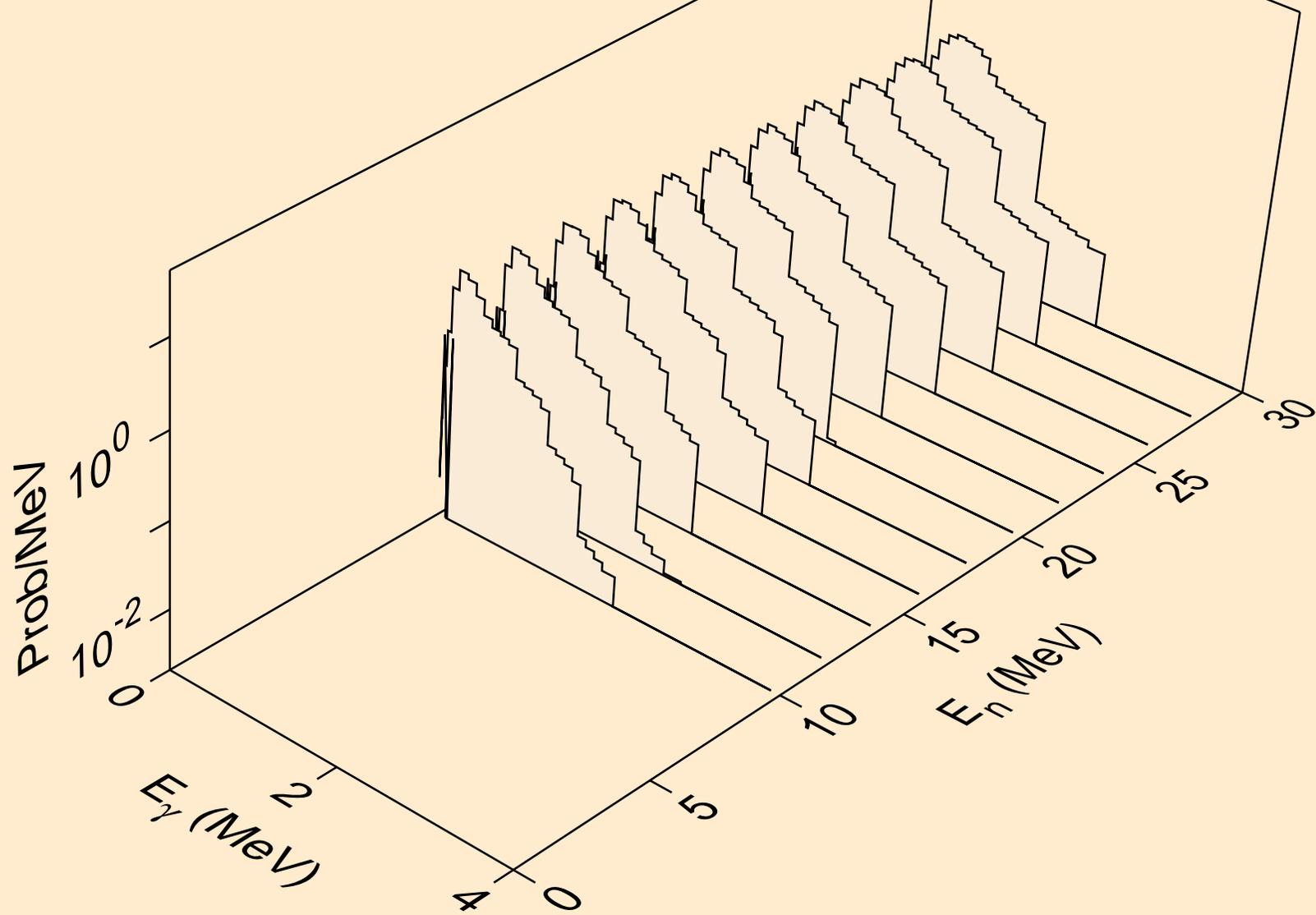Photon emission for (n,d)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
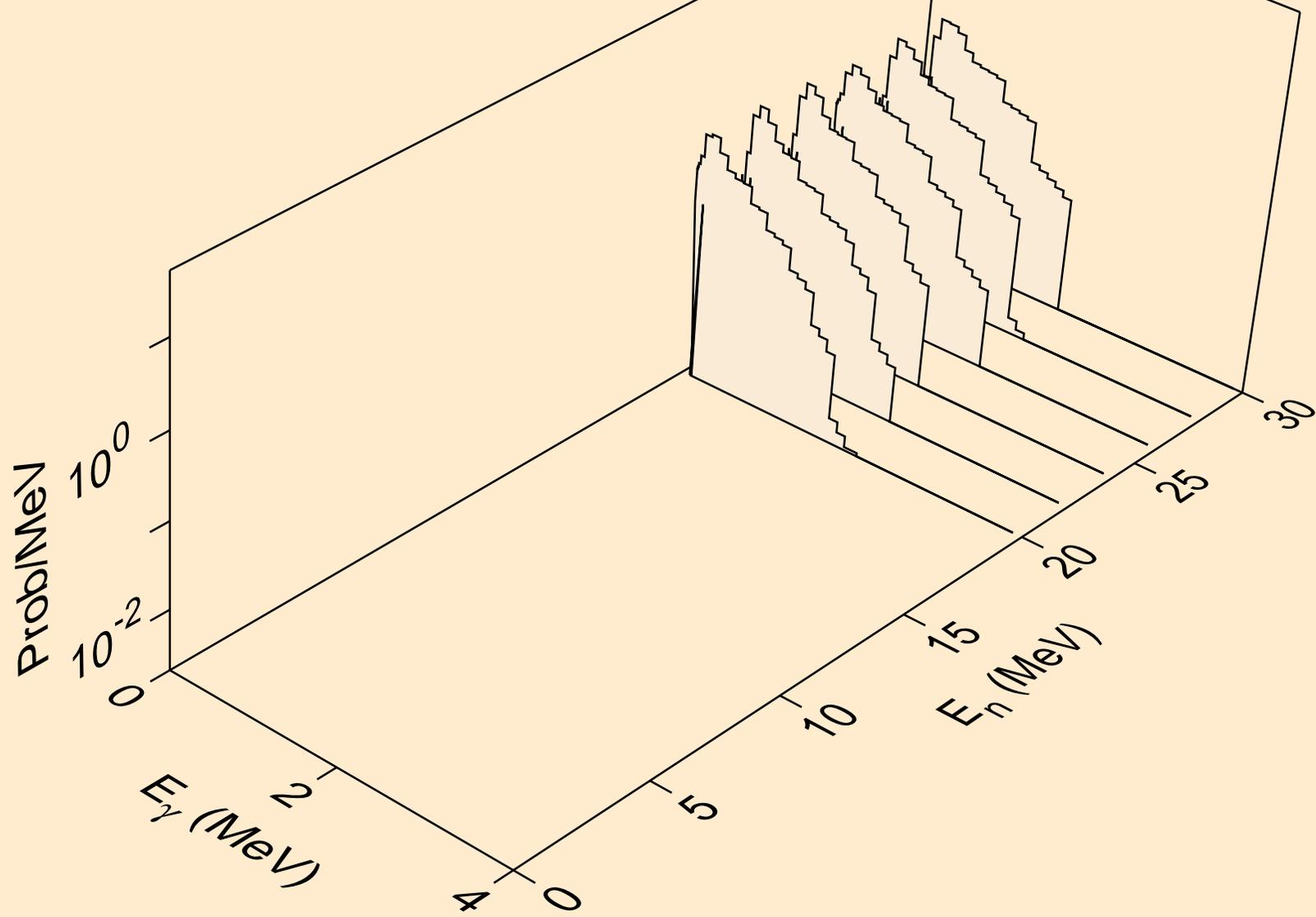Photon emission for (n,t)

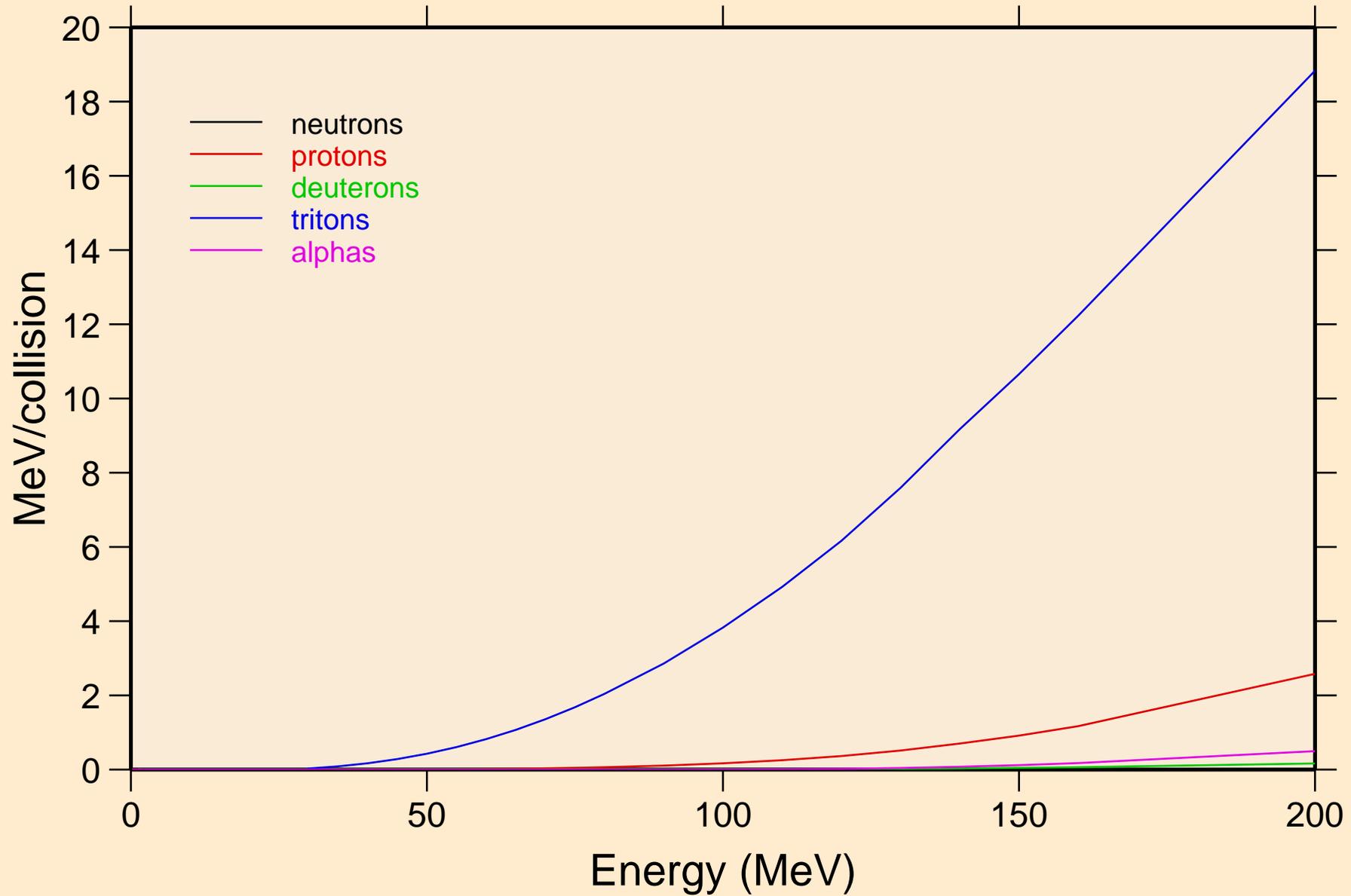DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic

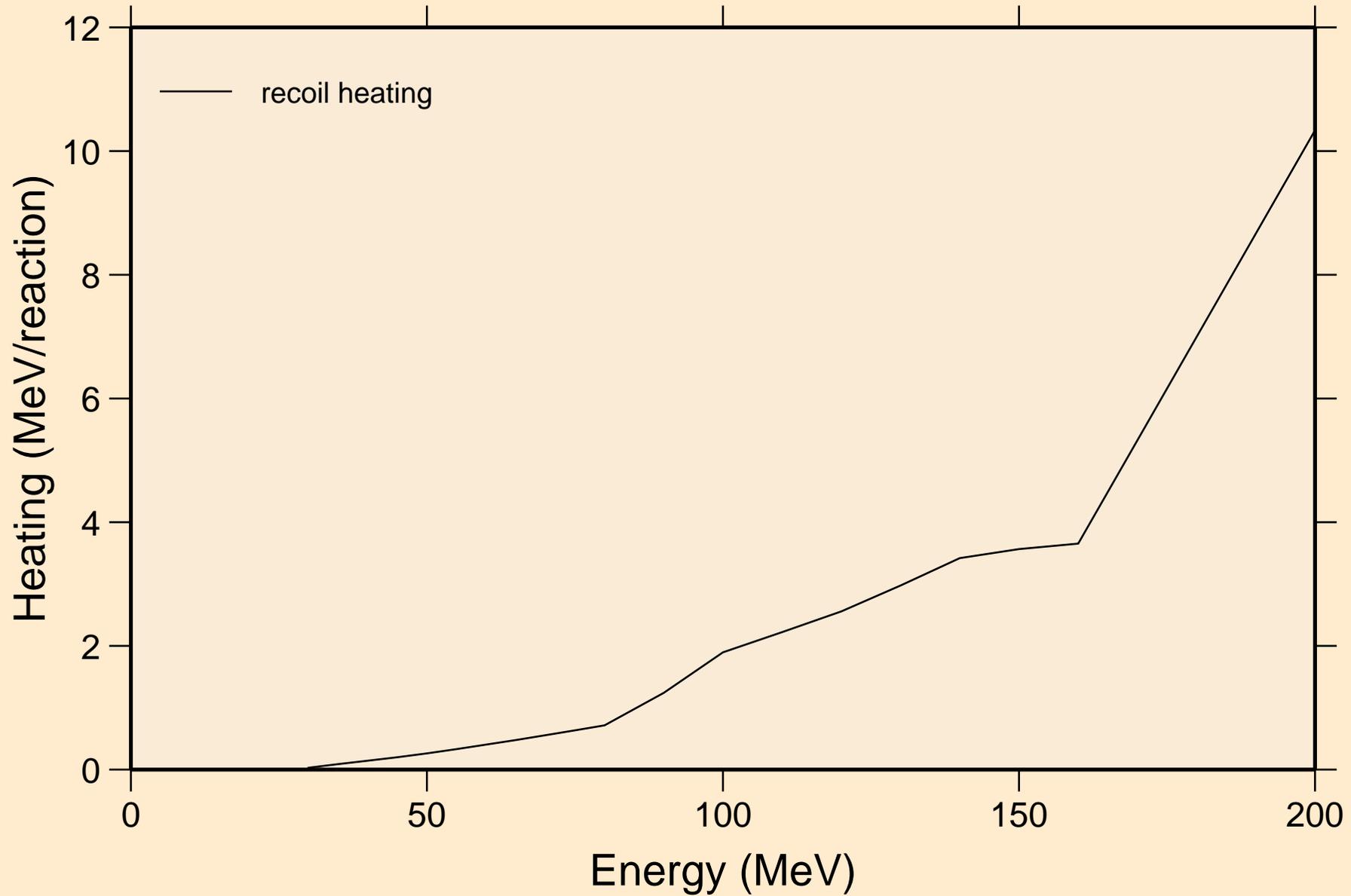DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,a)

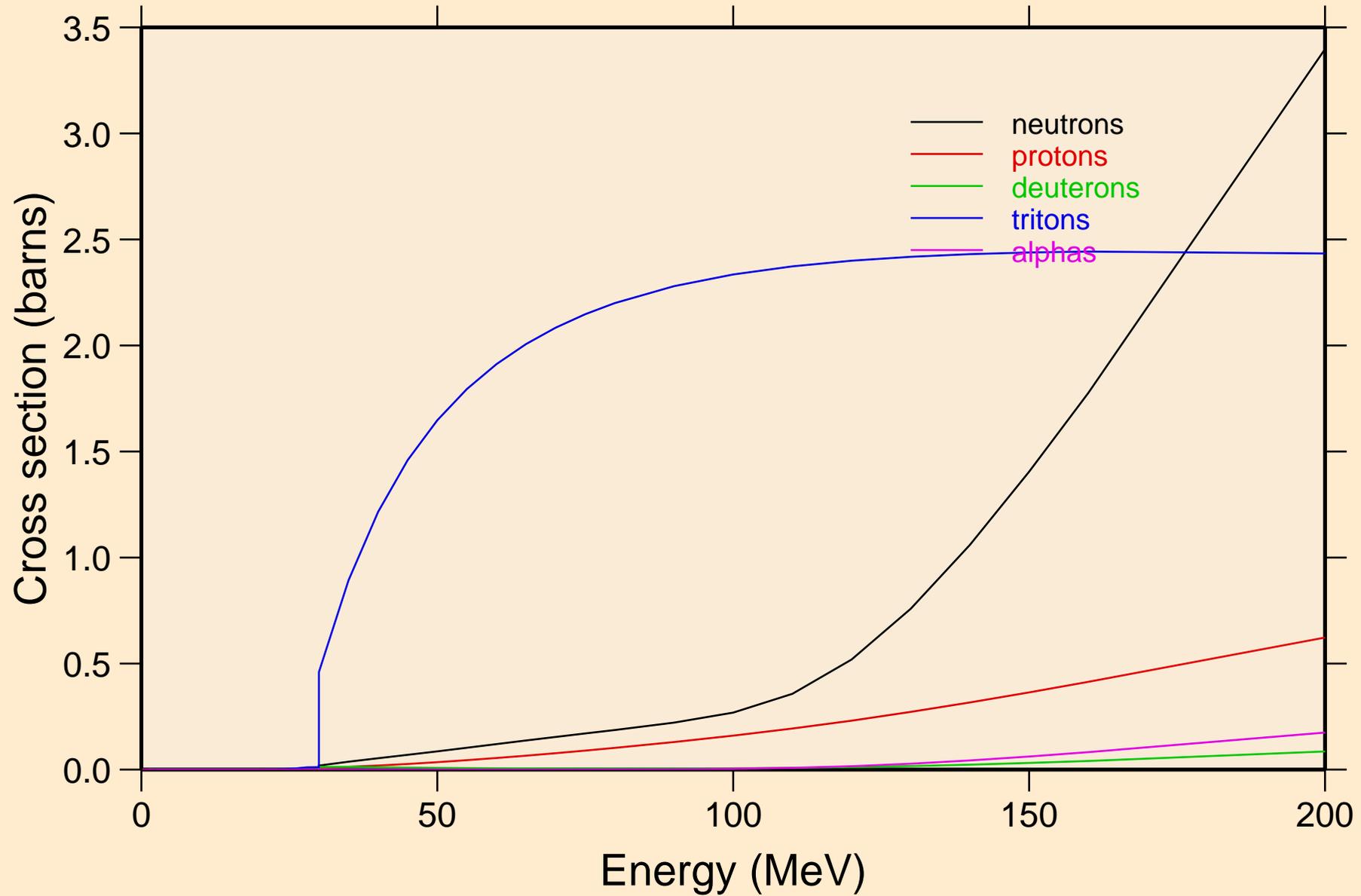DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2p)

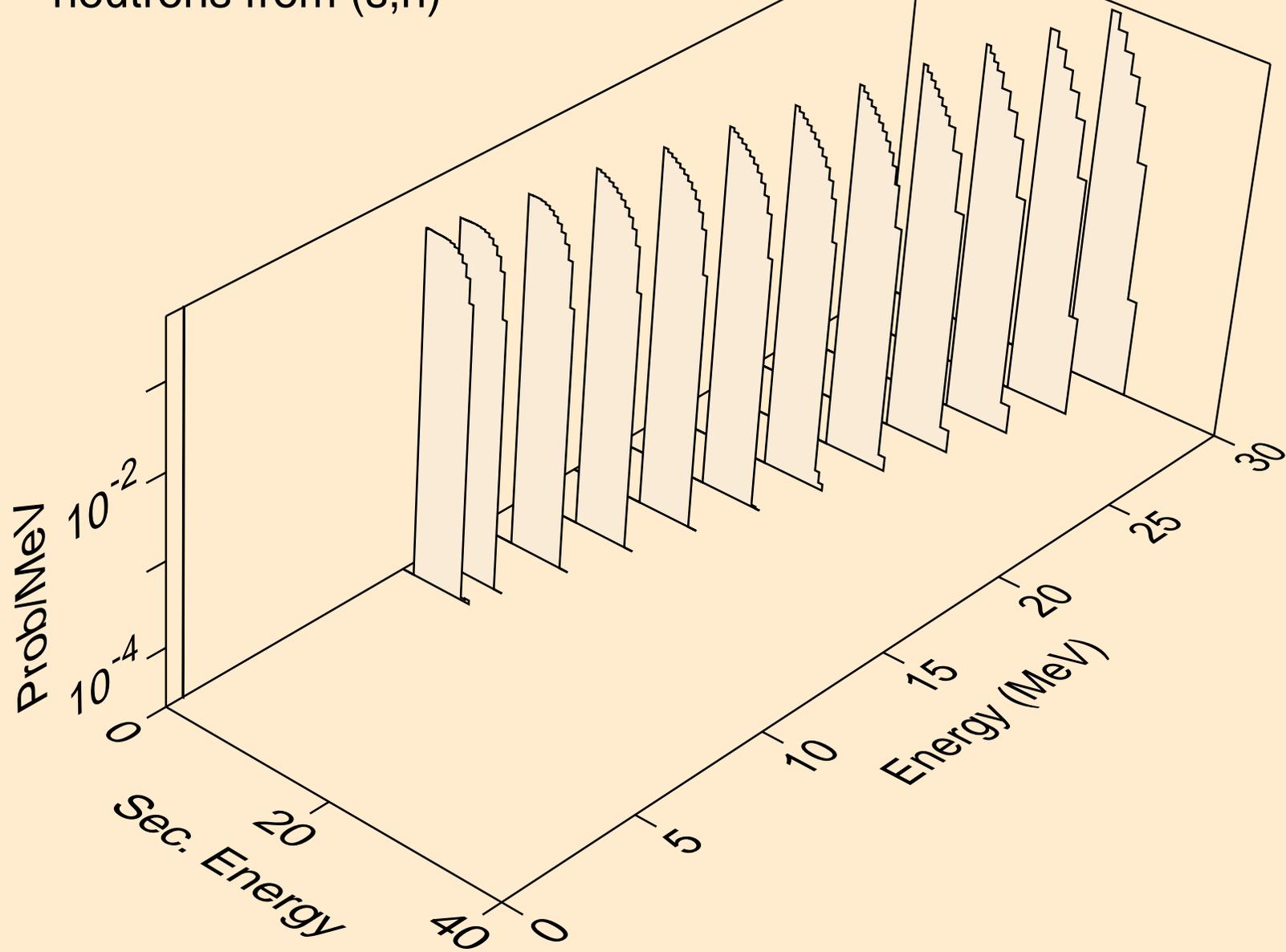DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

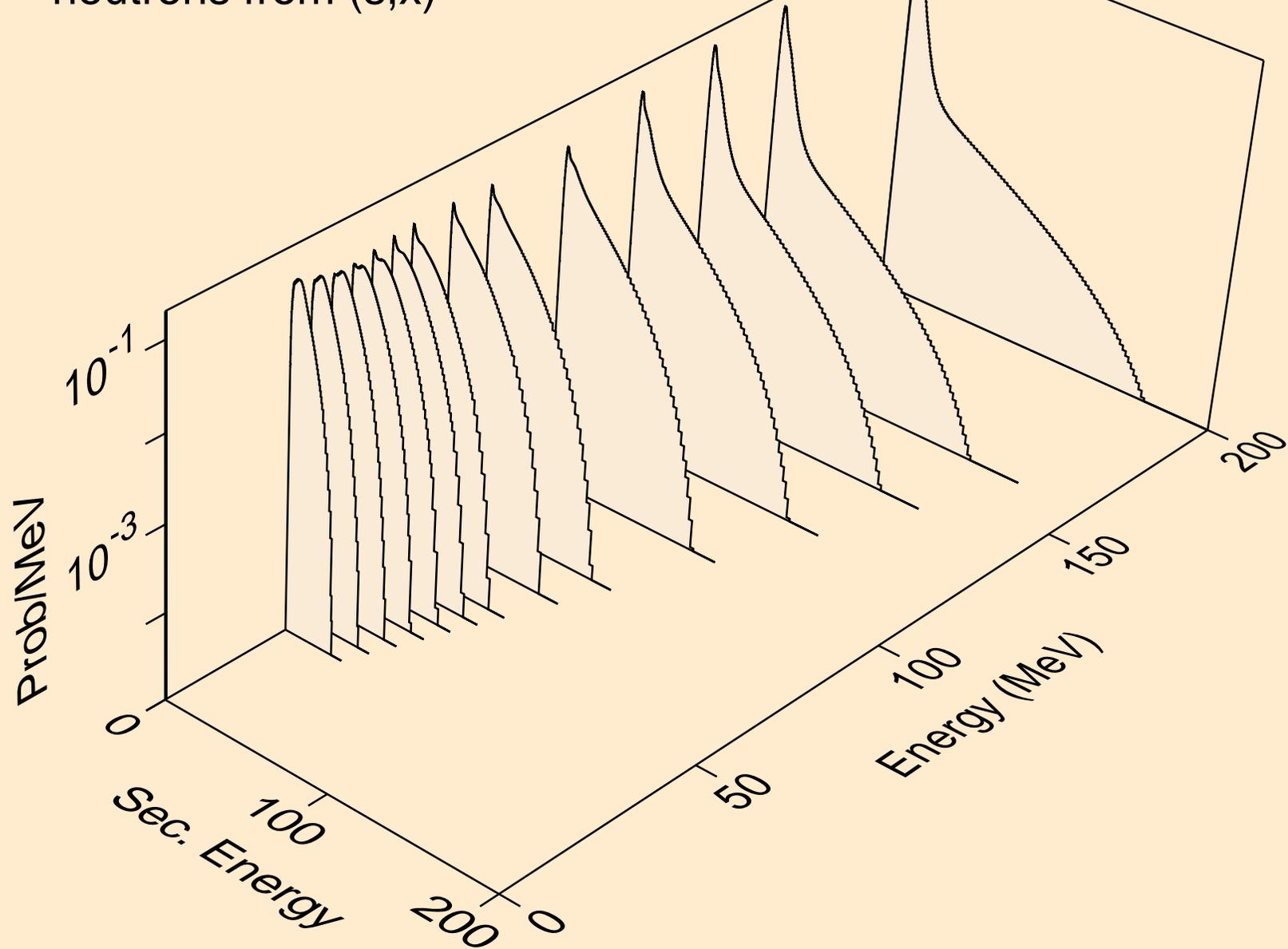DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Recoil Heating

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections

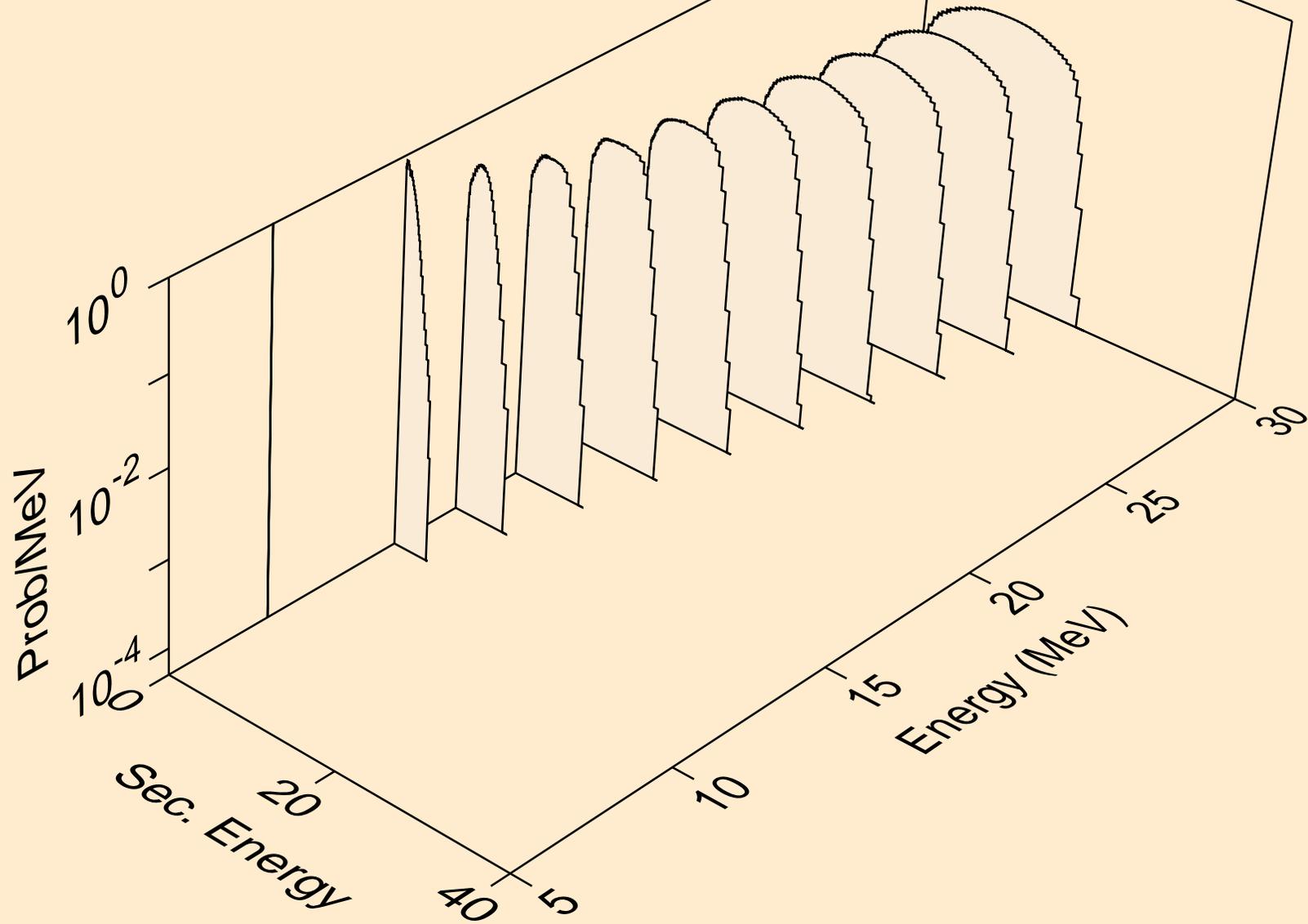neutrons
protons
deuterons
tritons
alphas

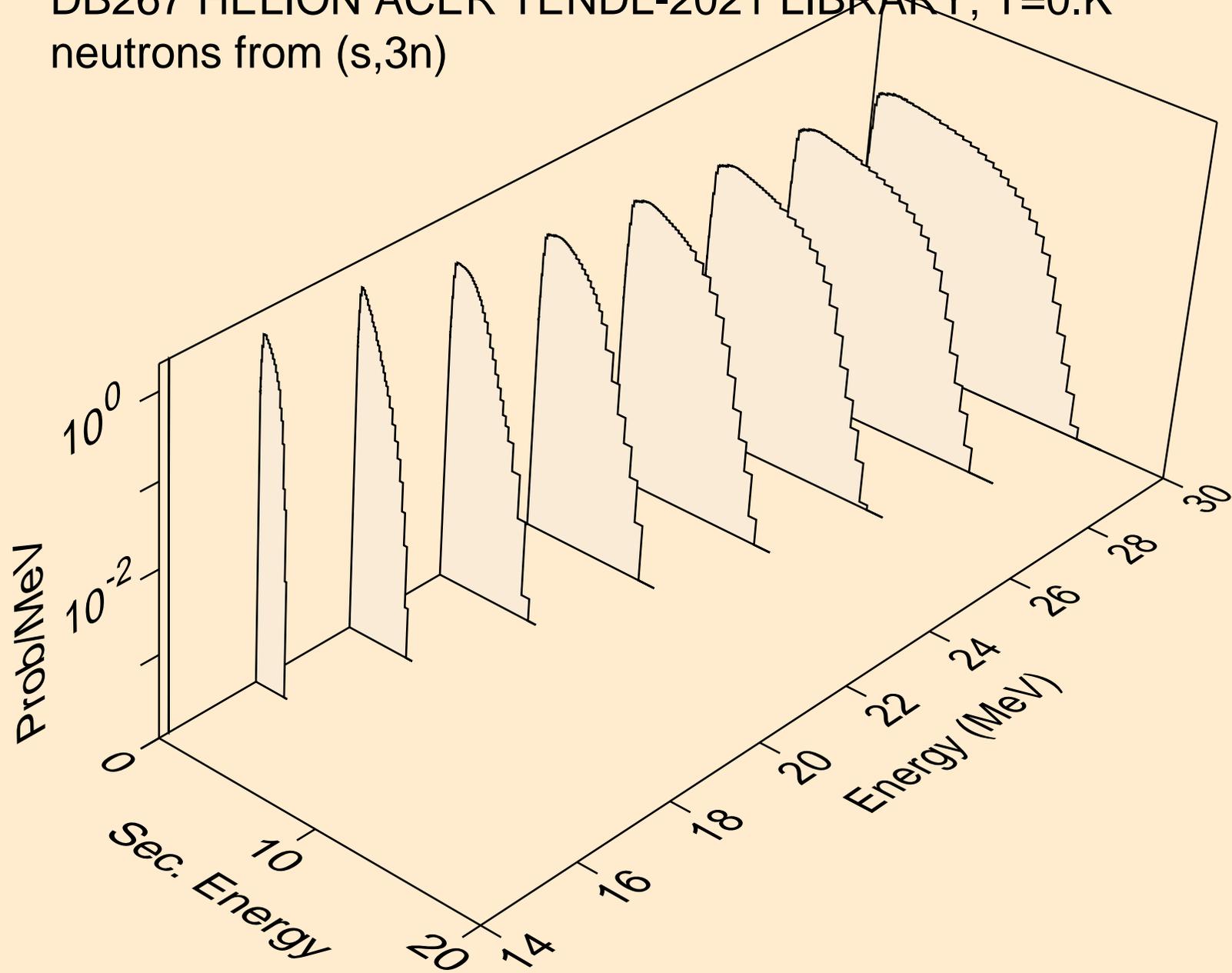DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n)

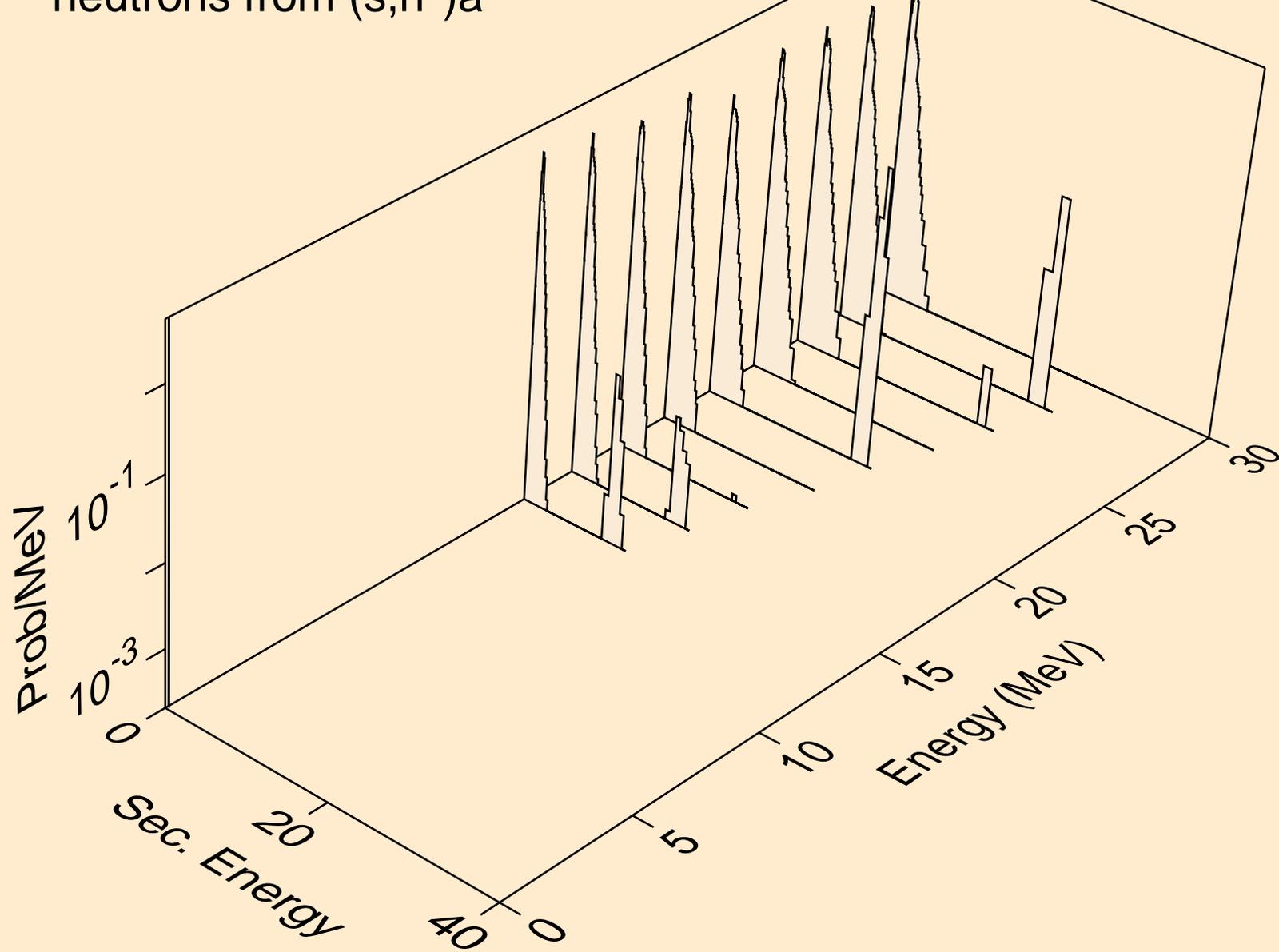DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,x)

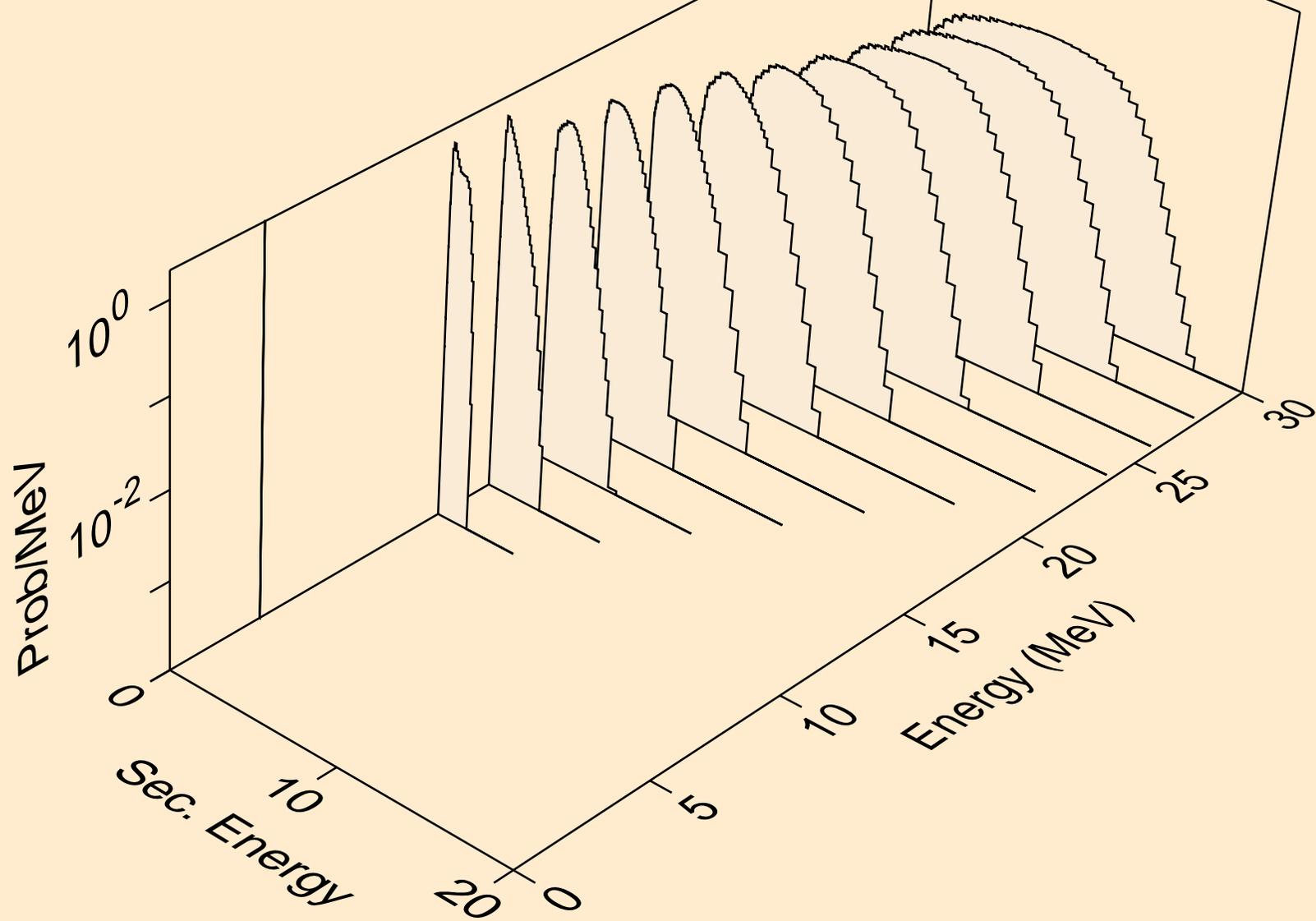DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2n)

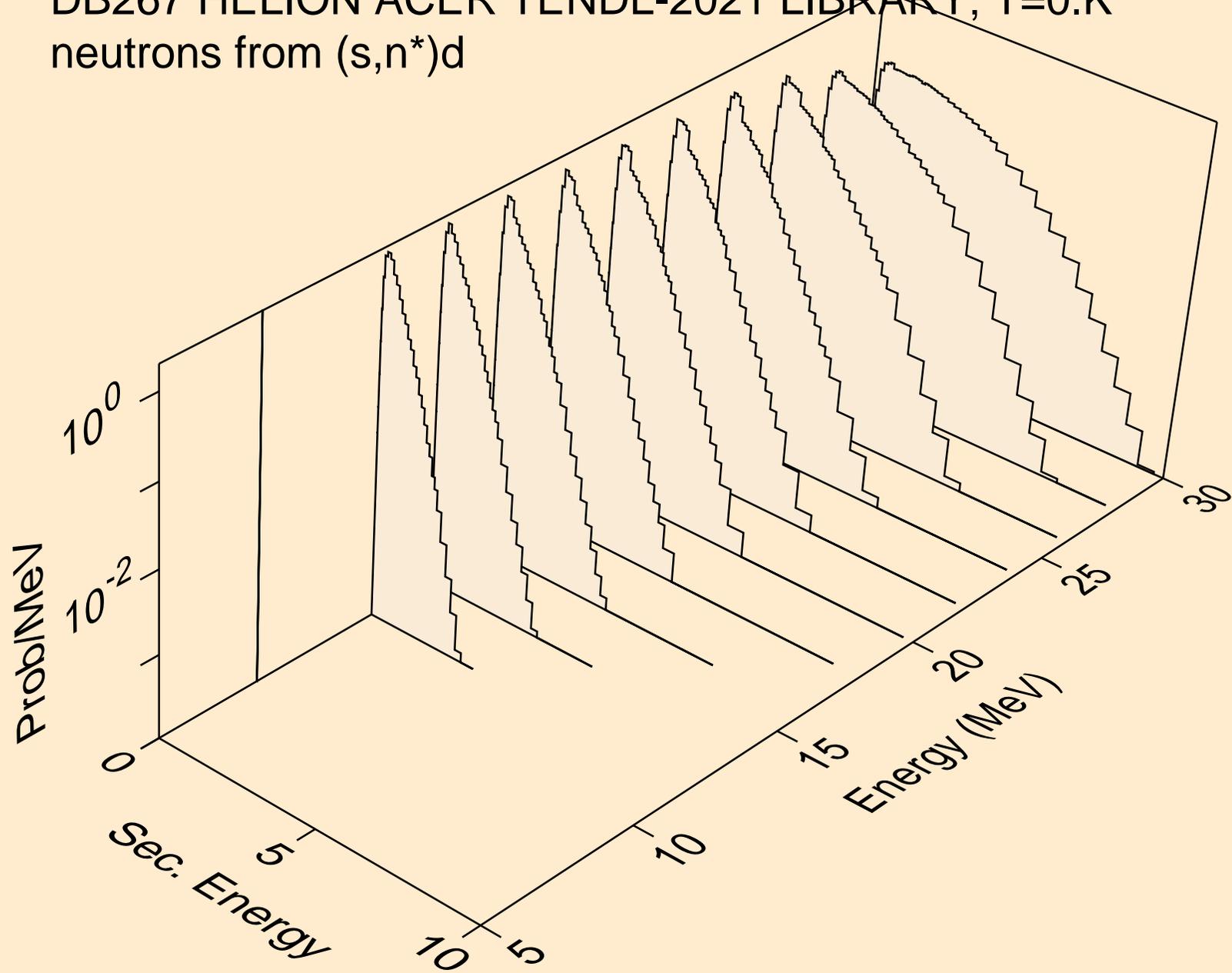DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,3n)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
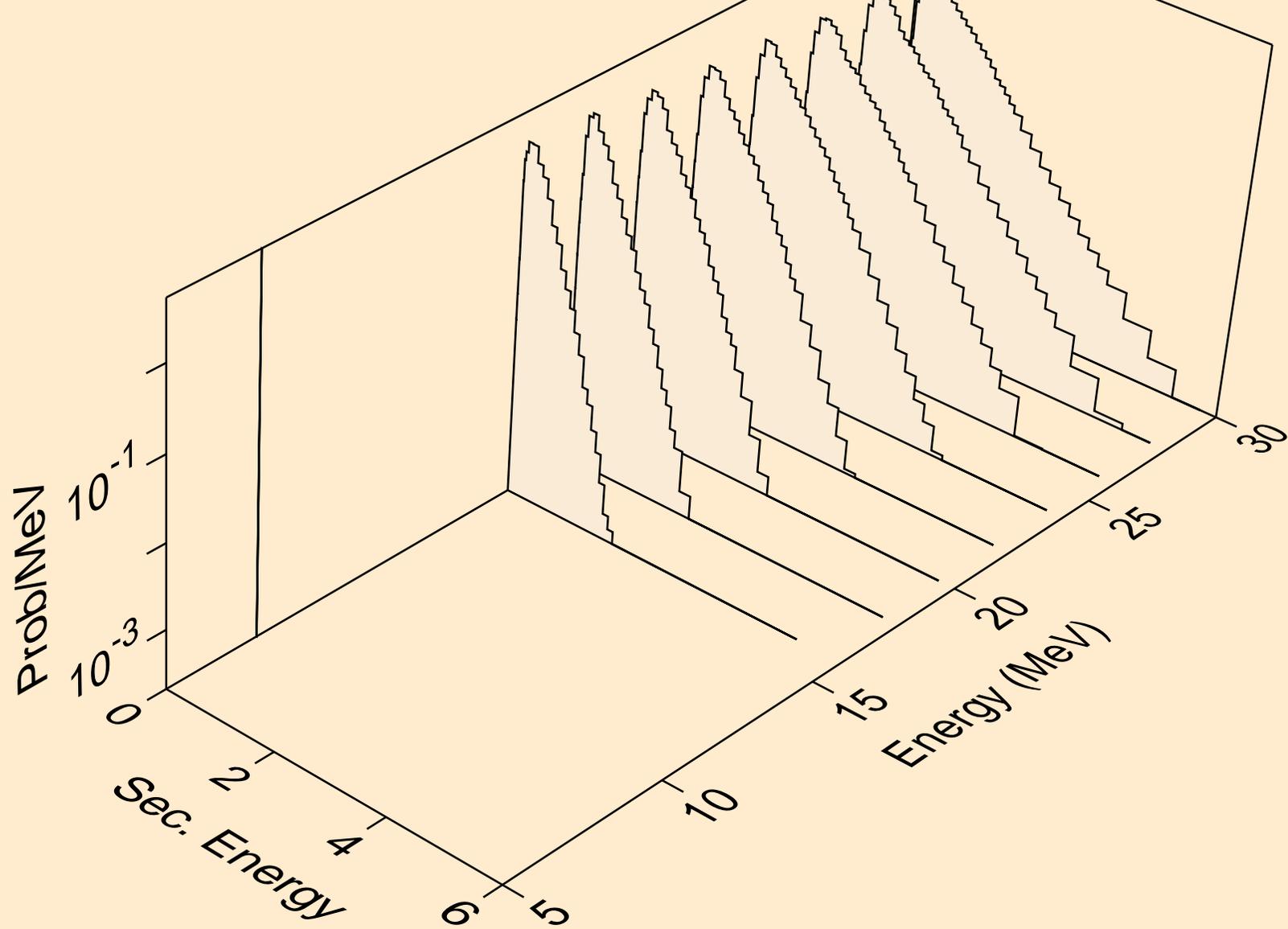neutrons from (s,n*)a

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
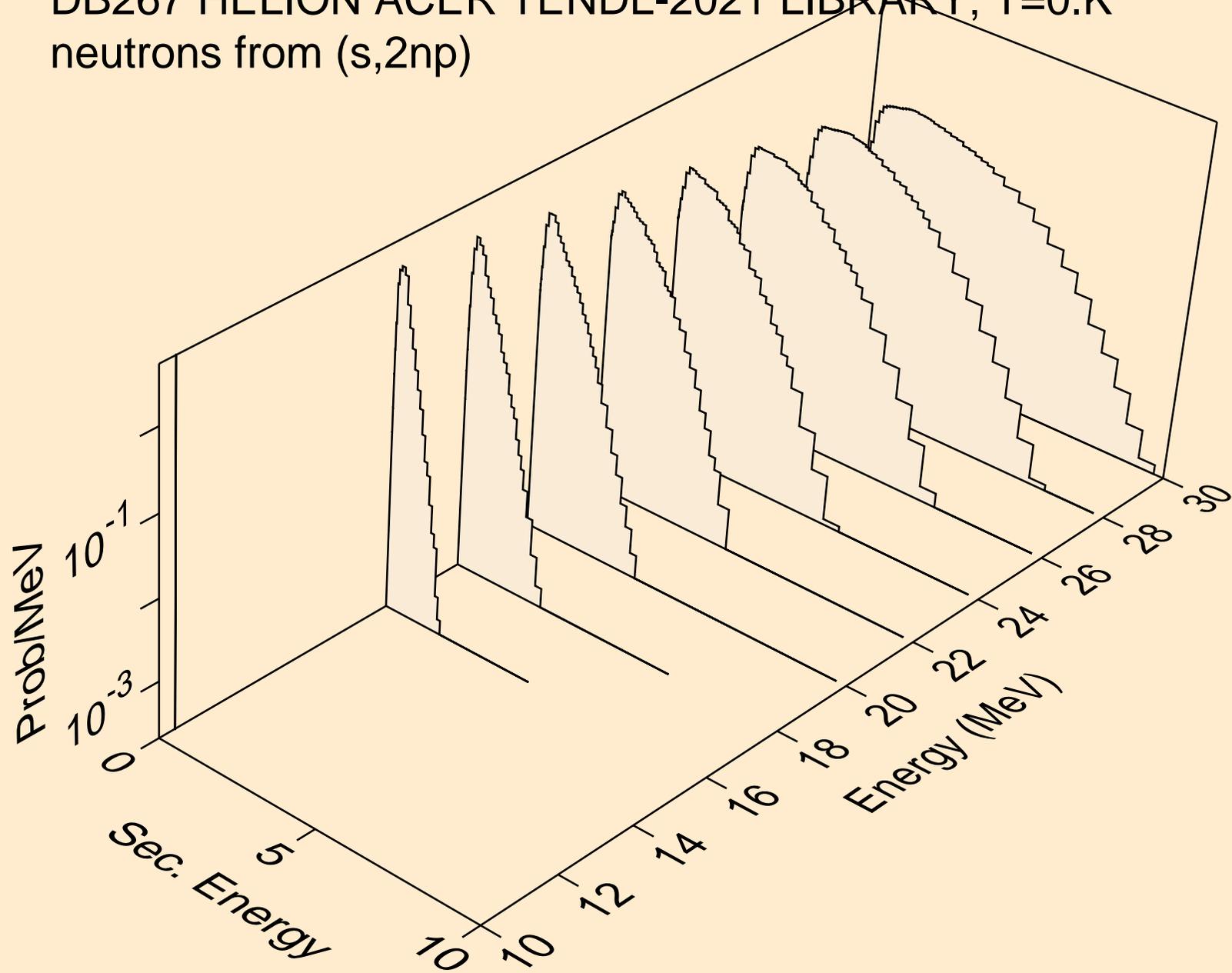neutrons from (s,n*)p

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
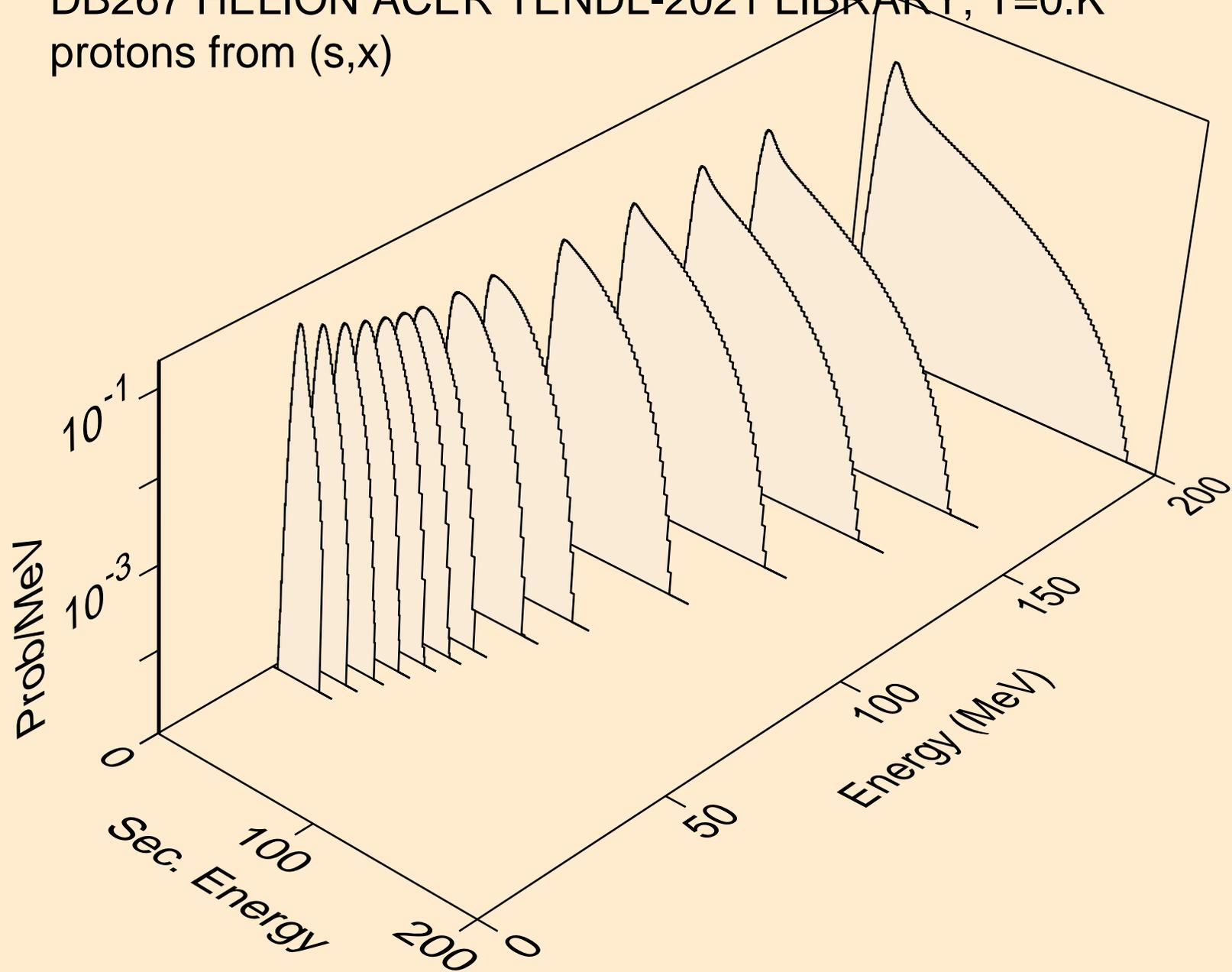neutrons from (s,n*)d

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
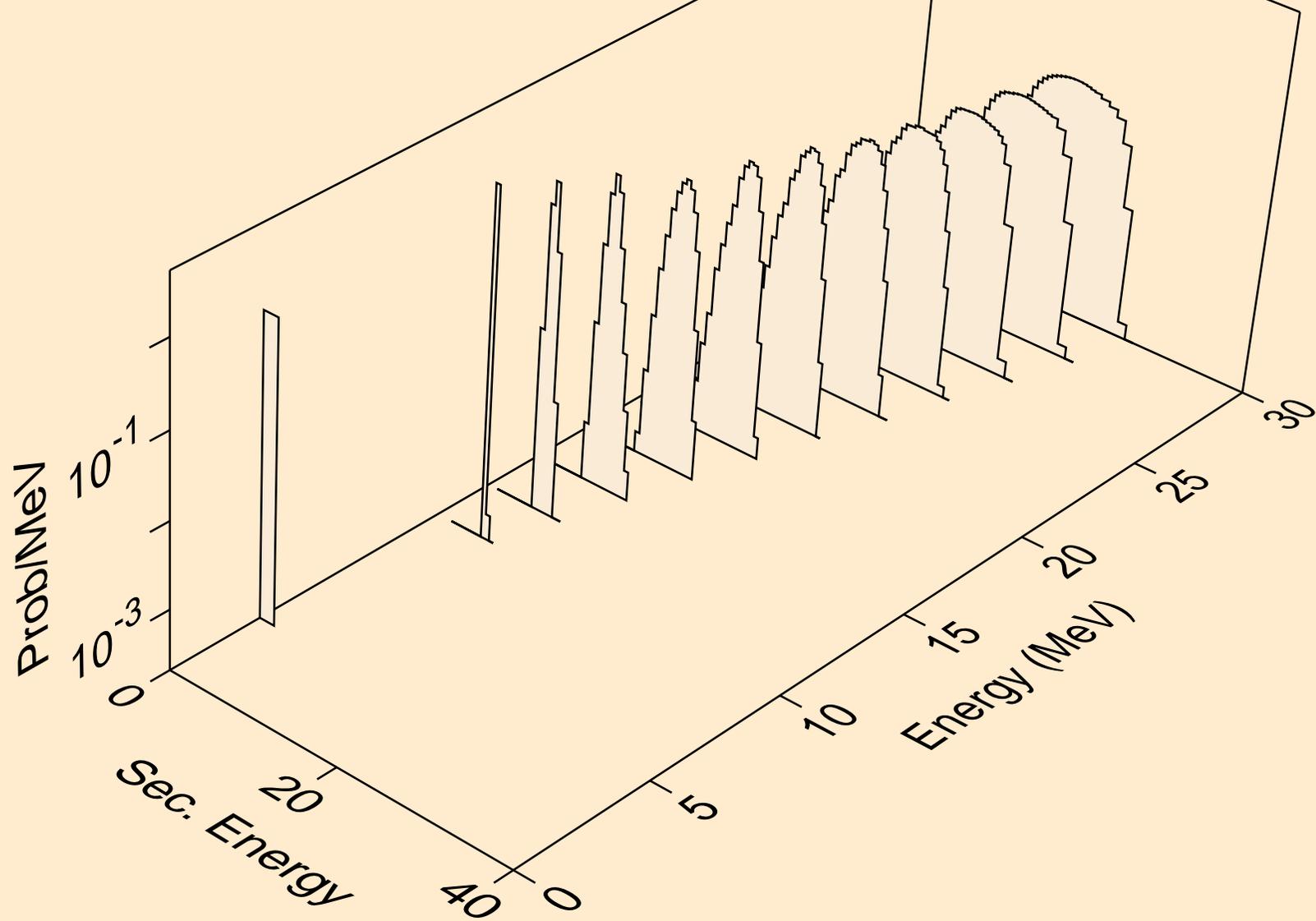neutrons from (s,n*)t

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
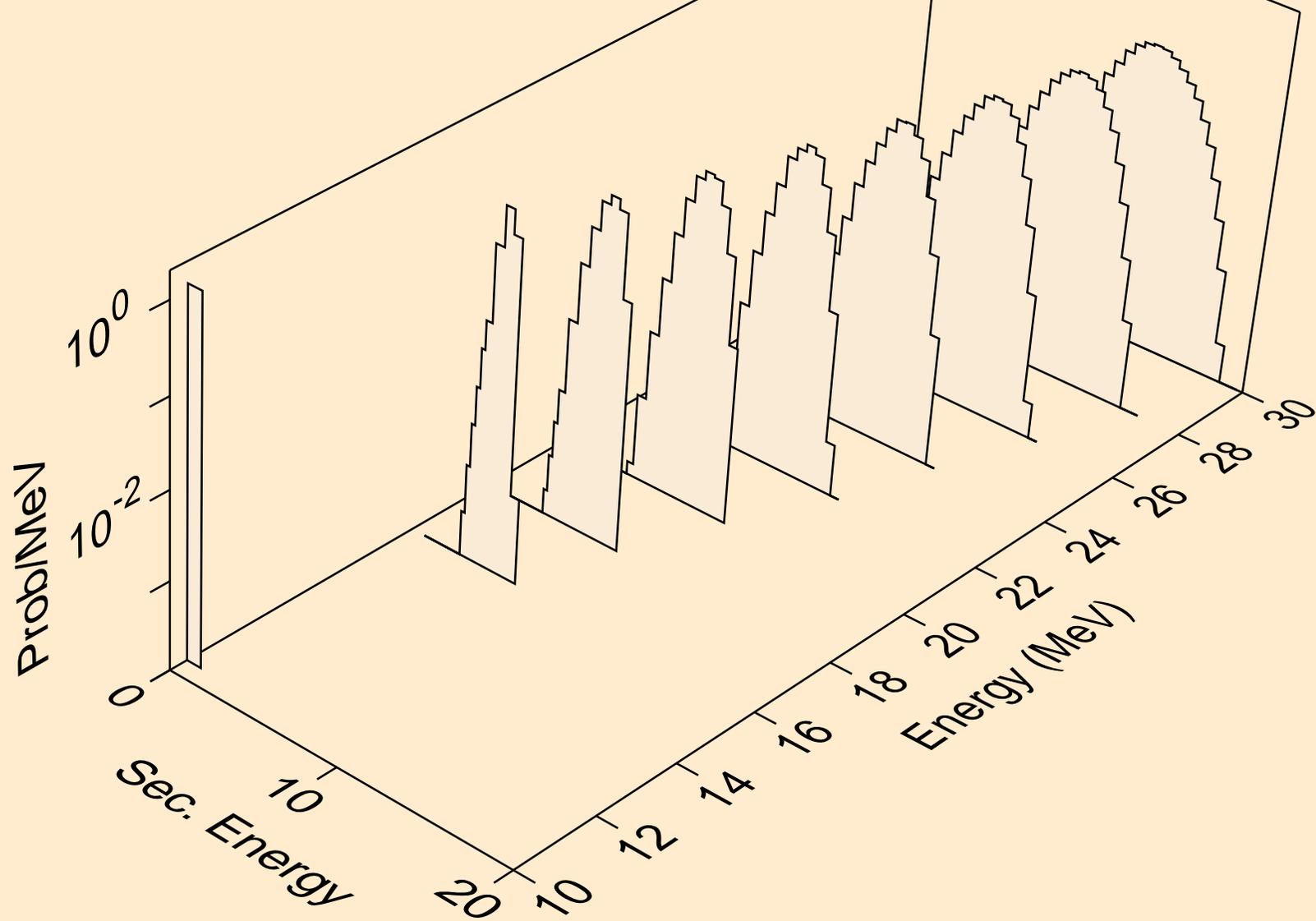neutrons from (s,2np)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
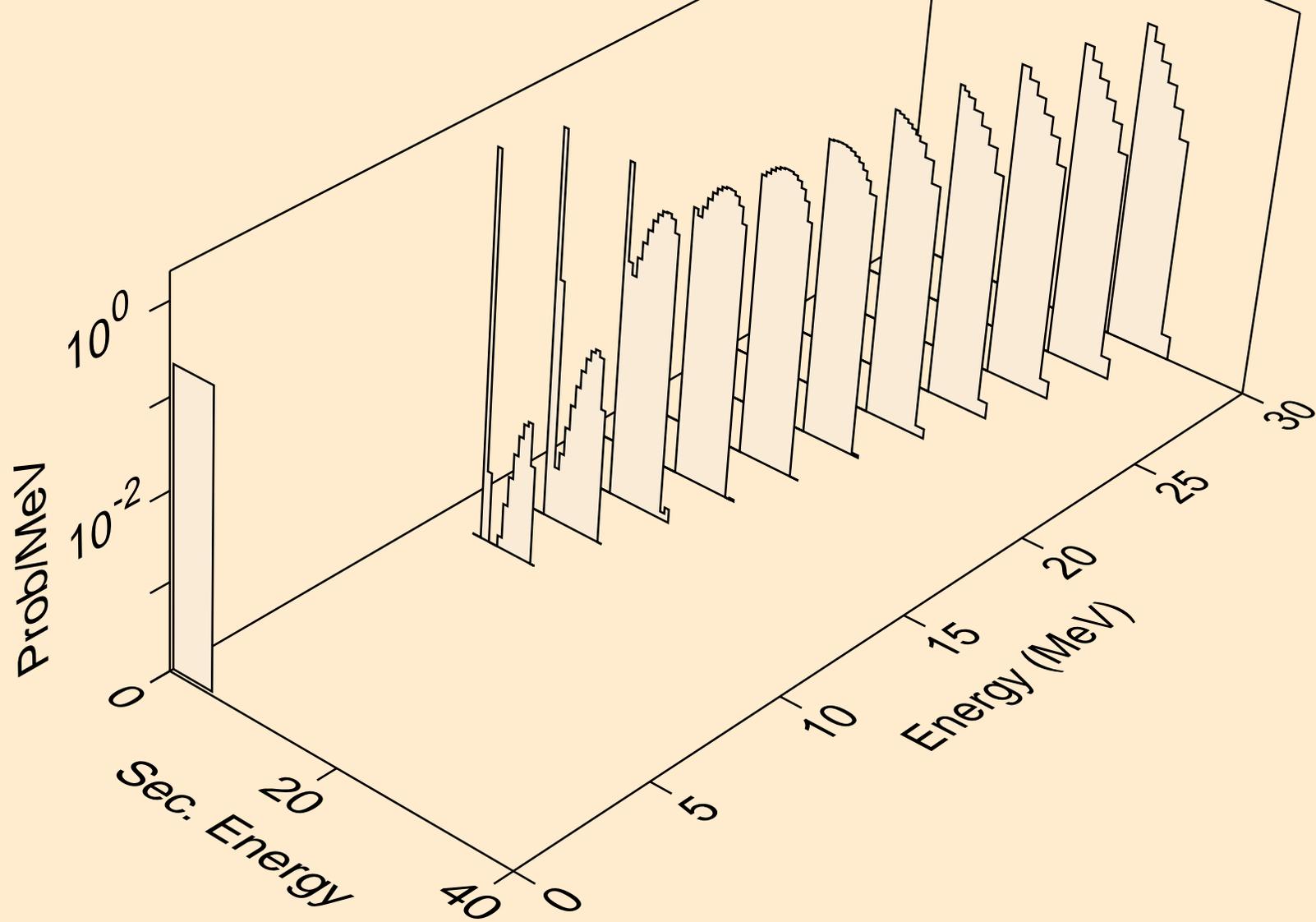protons from (s,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
protons from (s,n*)p

Prob/MeV

10^{-1}

10^{-3}

Energy (MeV)
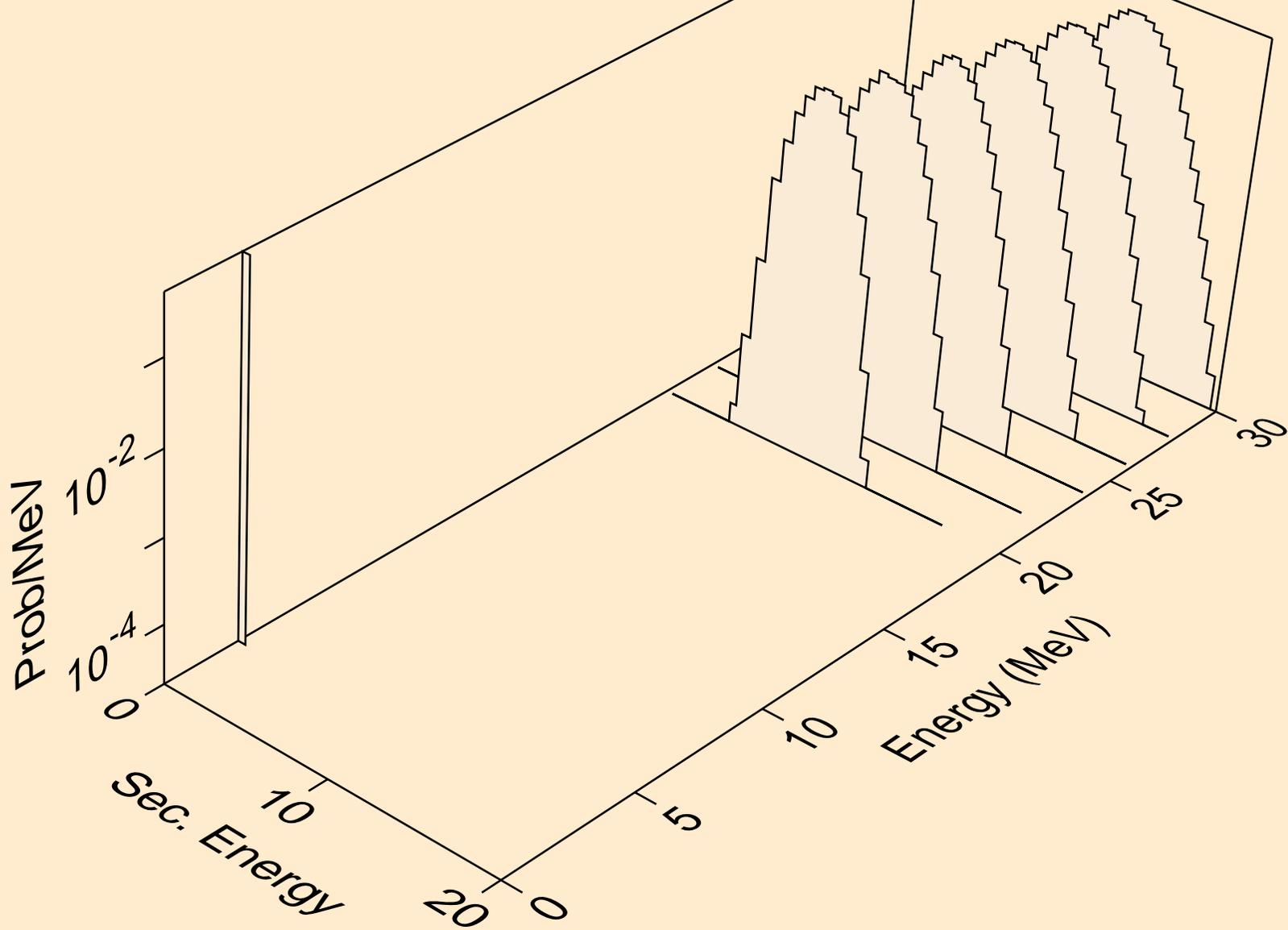
5

10

15

20

25

30

Sec. Energy

0

20

40

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
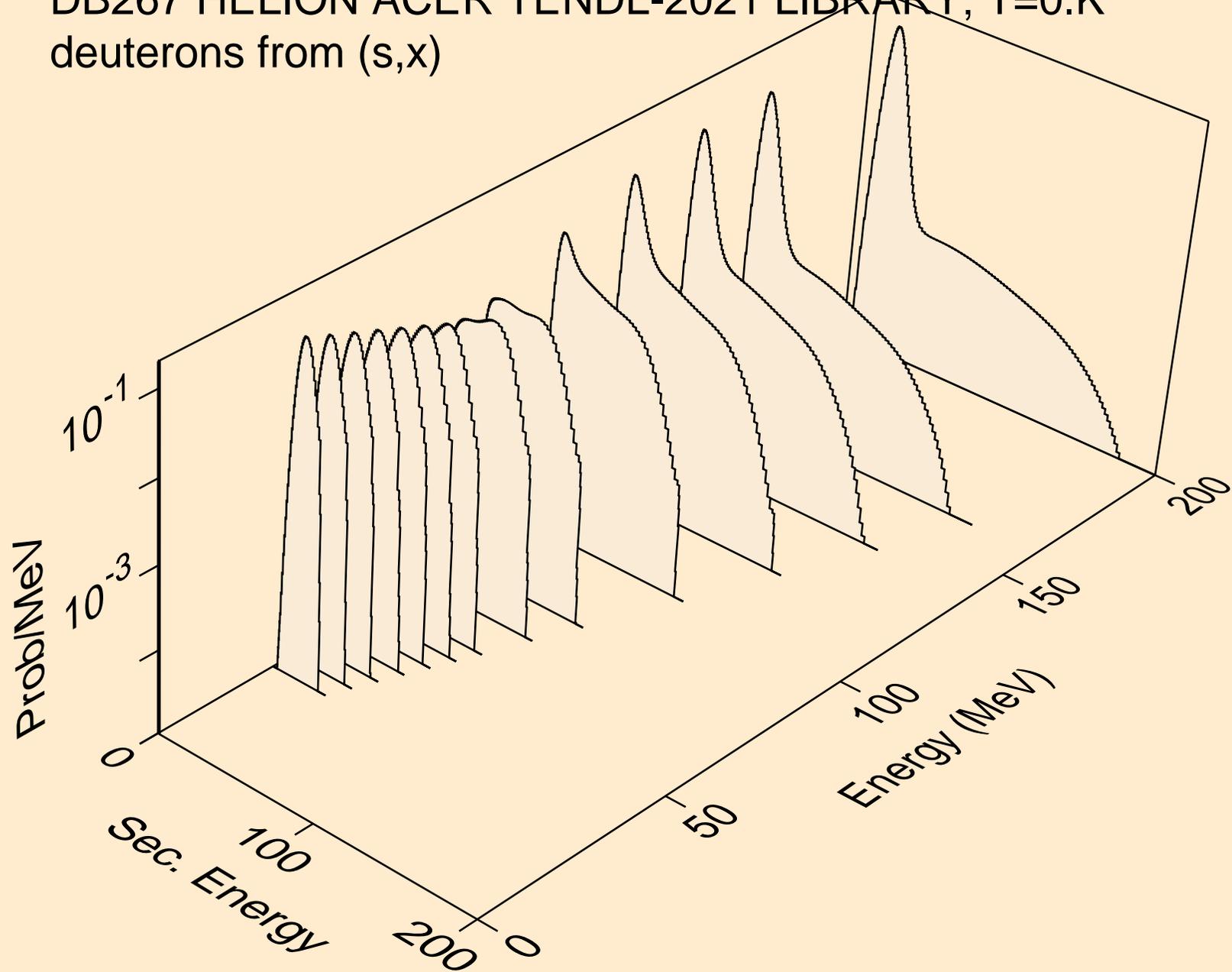protons from (s,2np)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
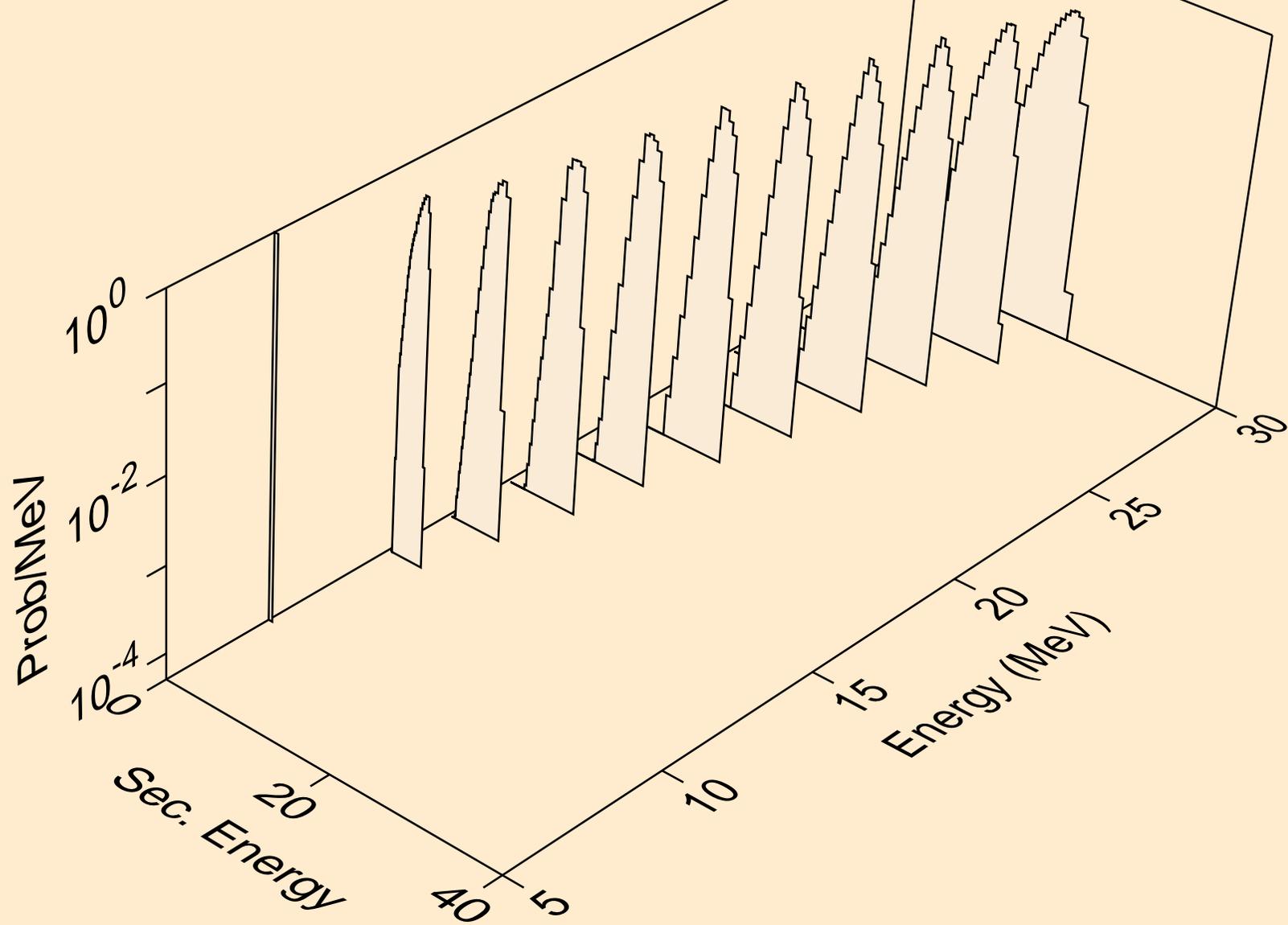protons from (s,p)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
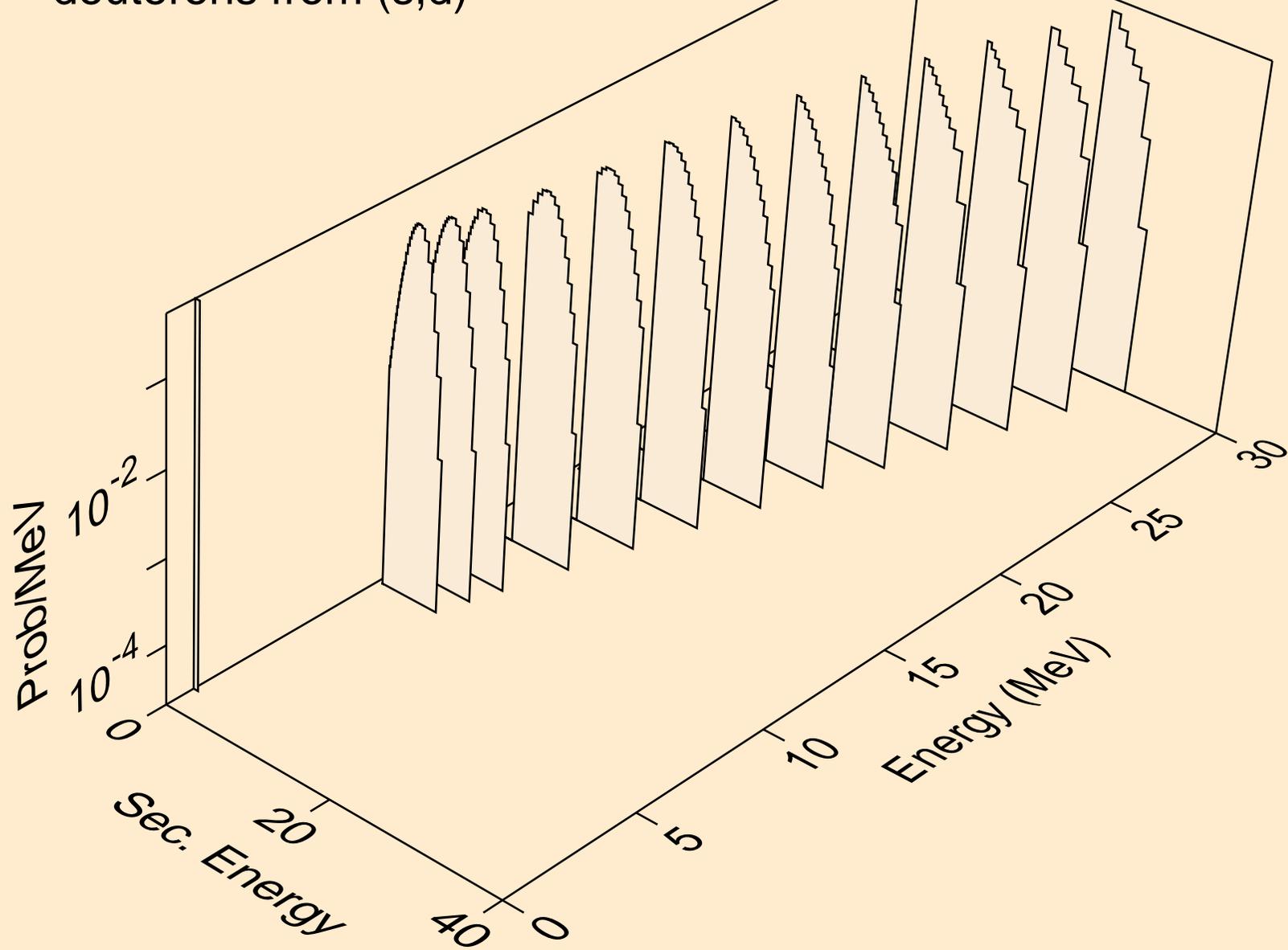protons from (s,2p)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
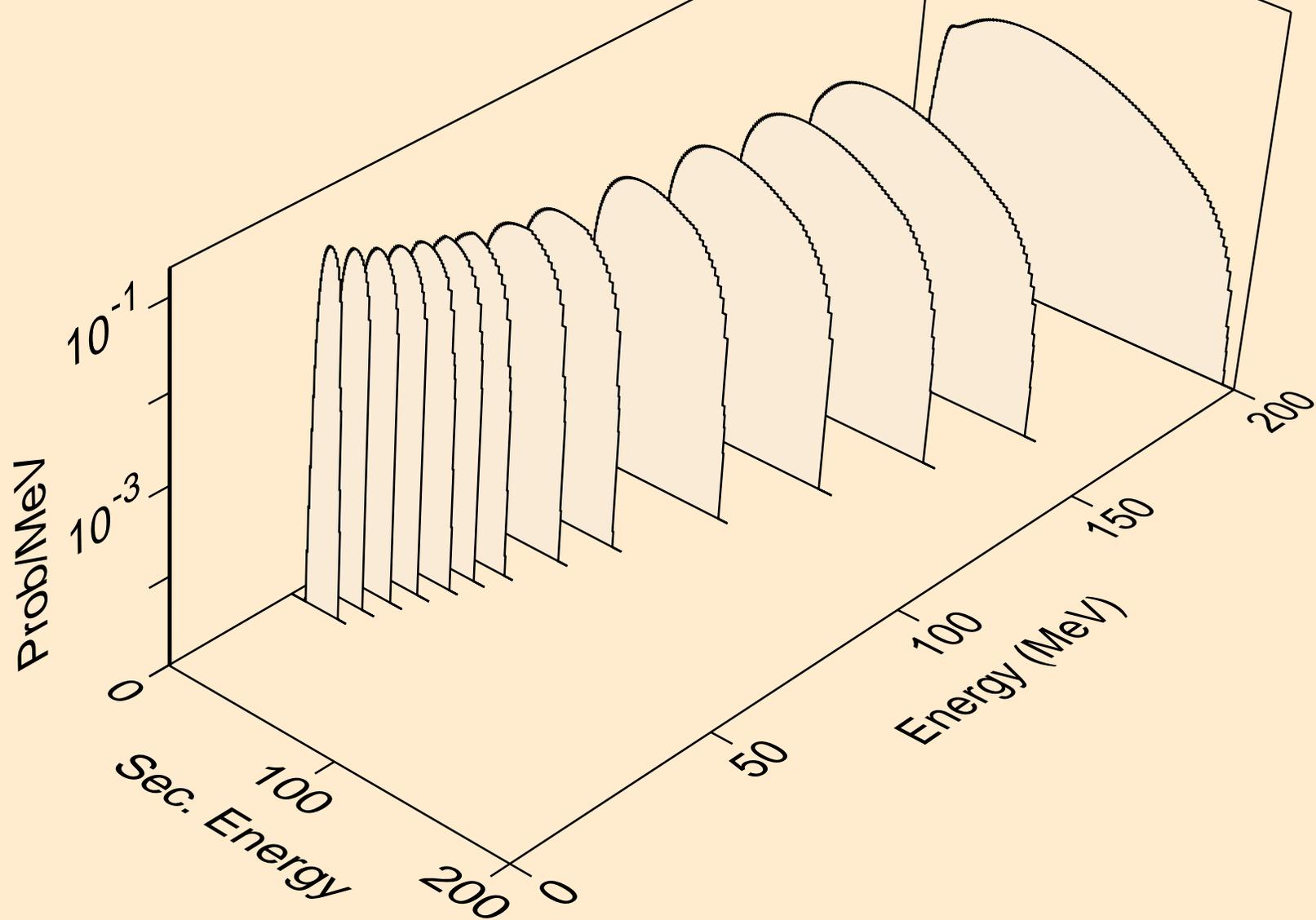deuterons from (s,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
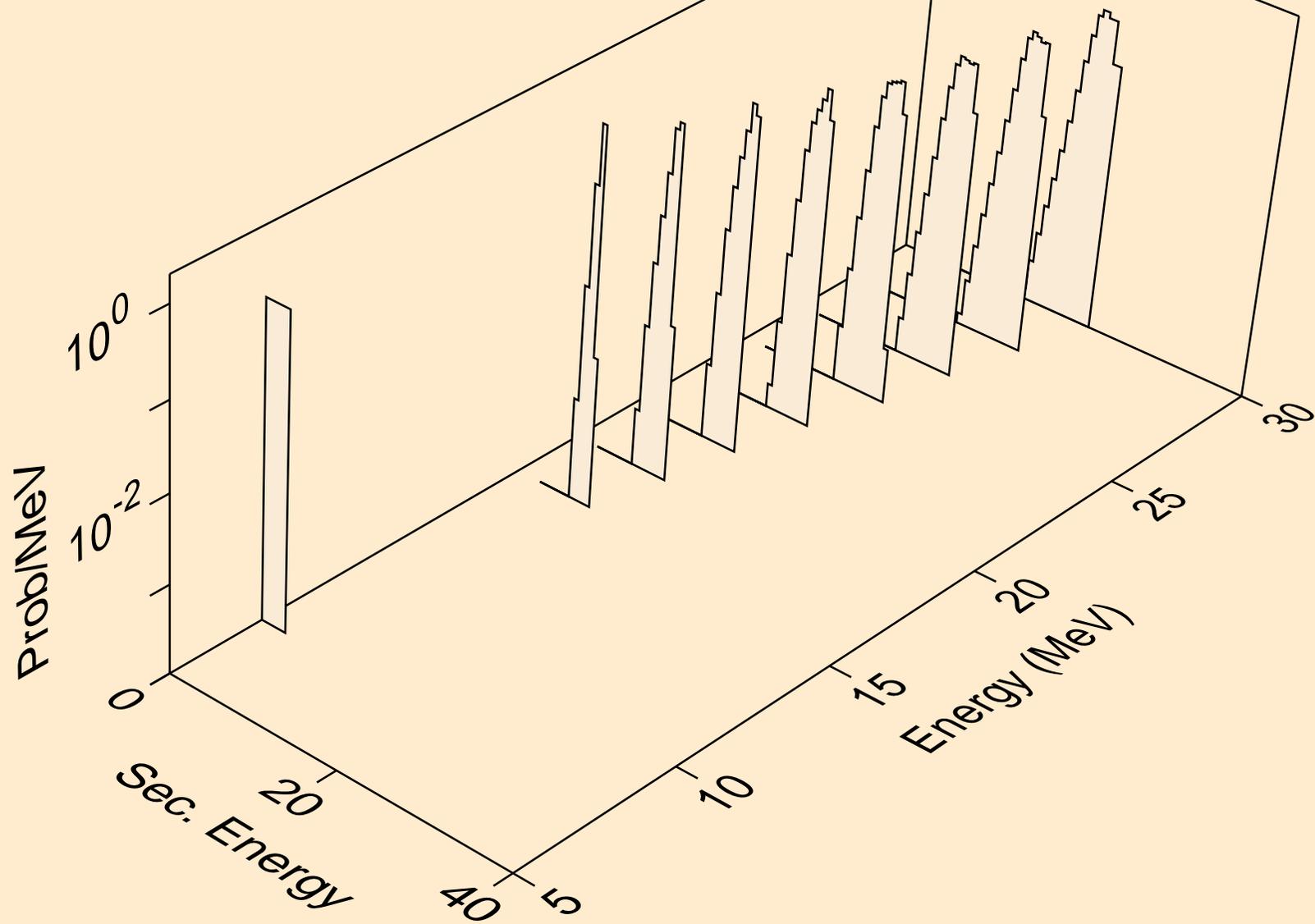deuterons from (s,n*)d

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
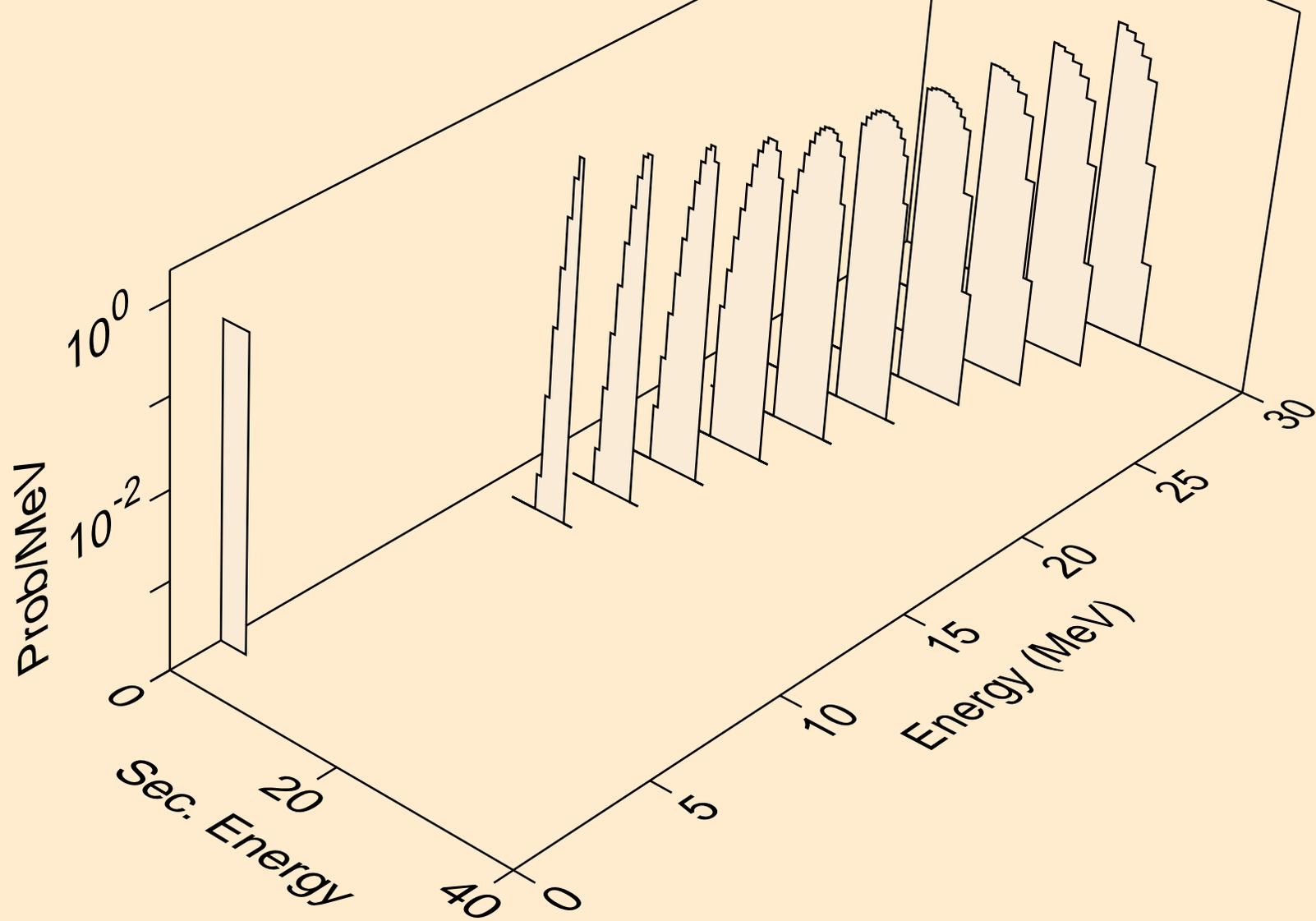deuterons from (s,d)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
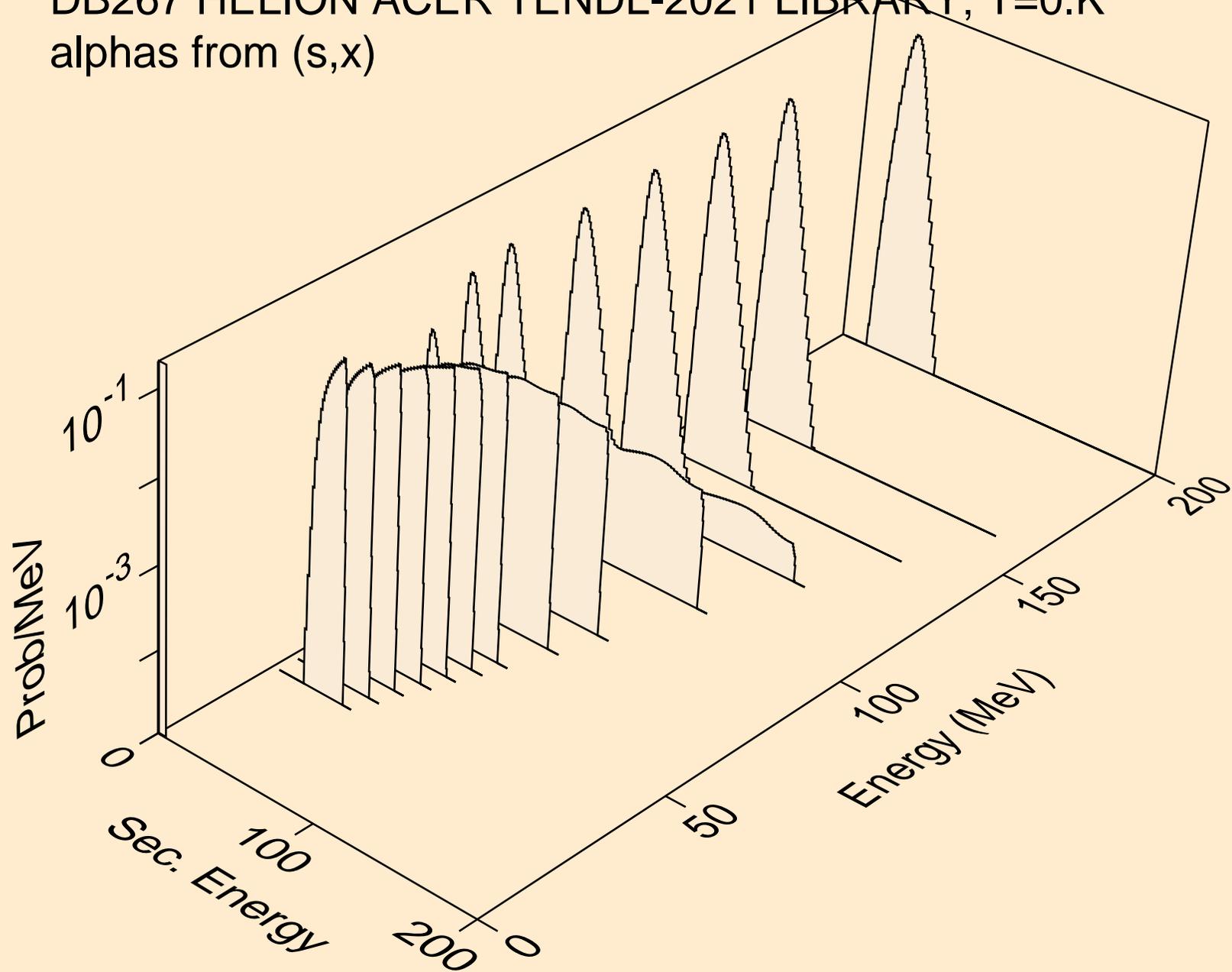tritons from (s,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
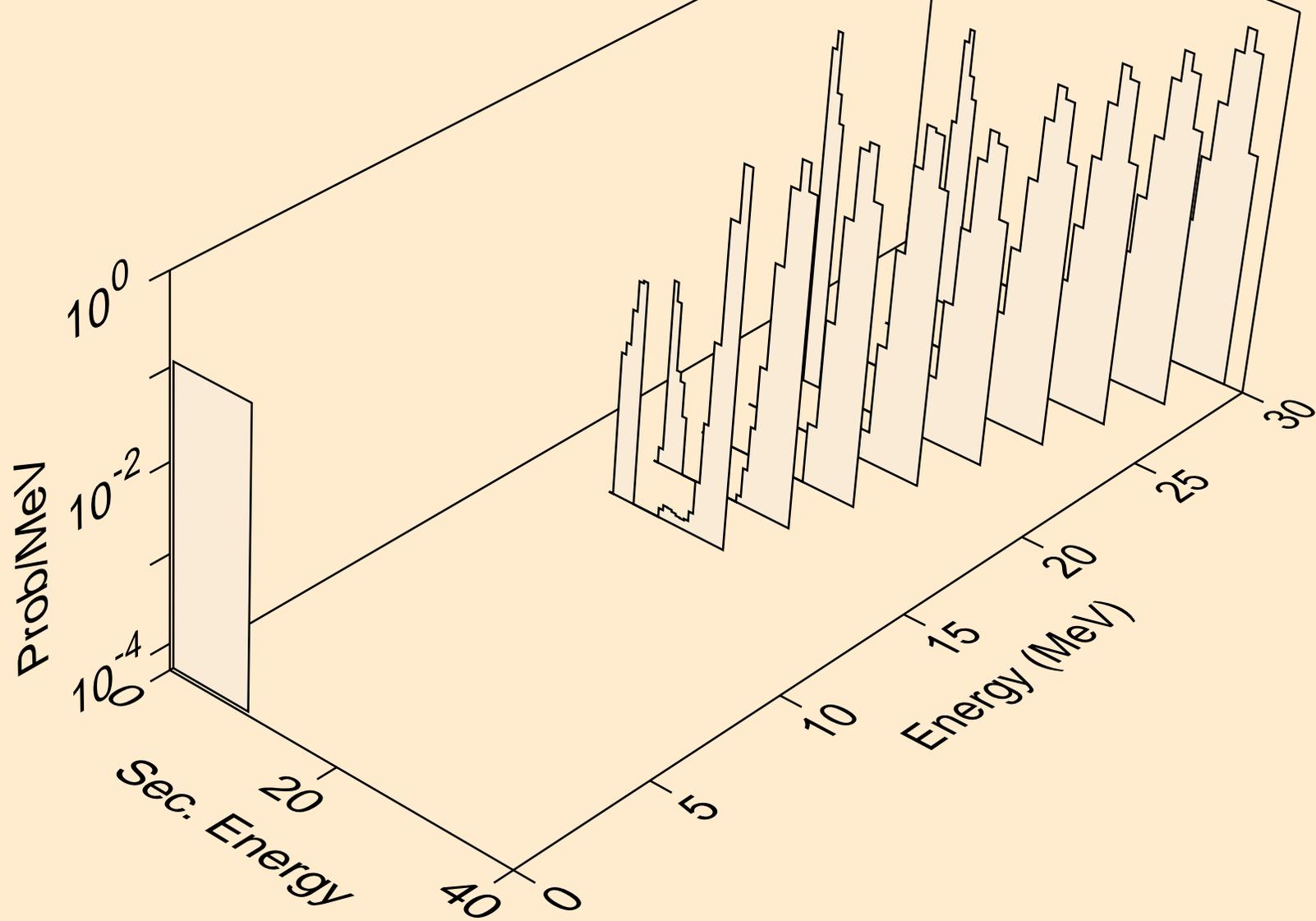tritons from (s,n*)t

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
tritons from (s,t)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,x)

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,n*)a

DB267 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,a)