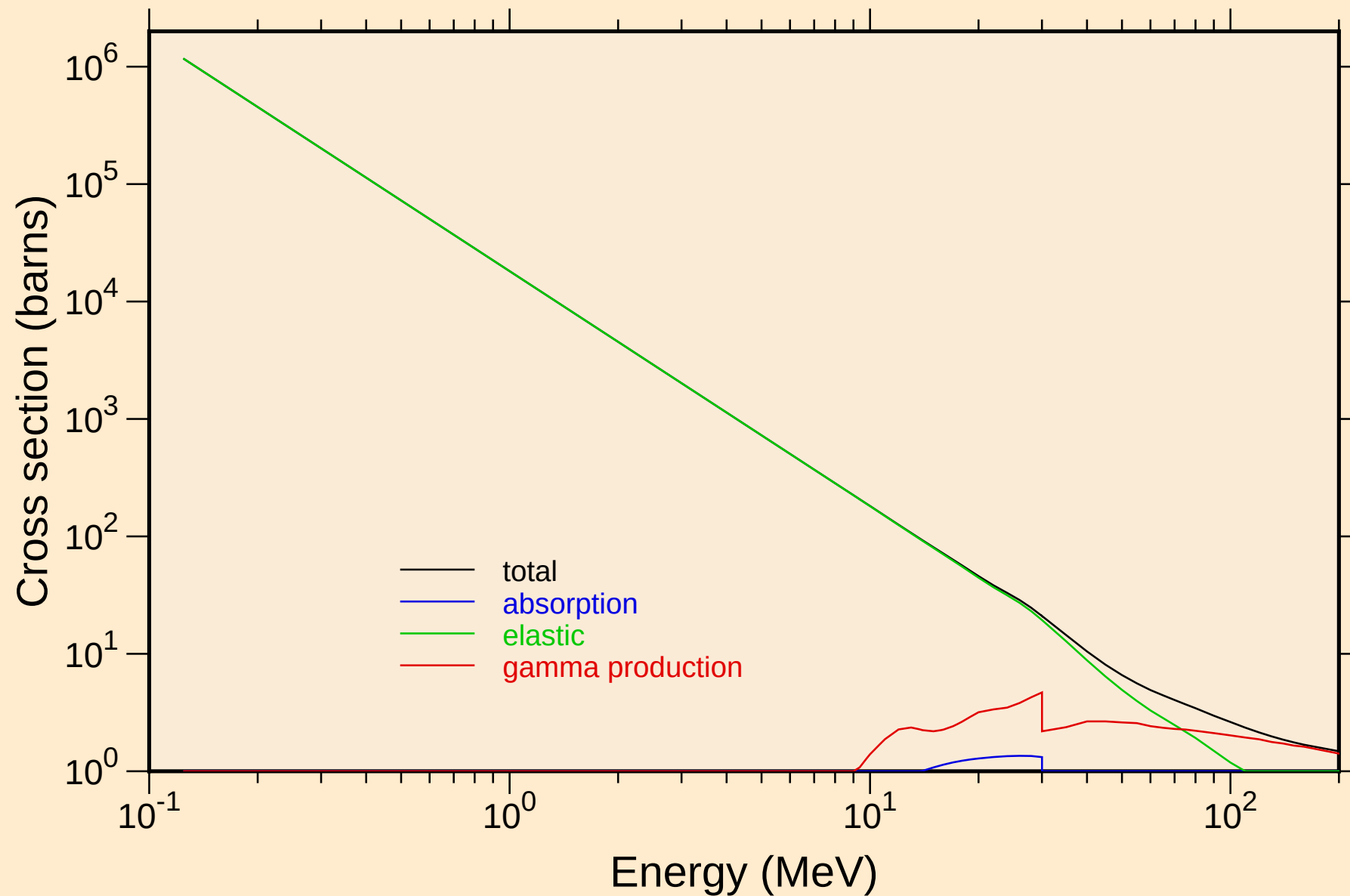


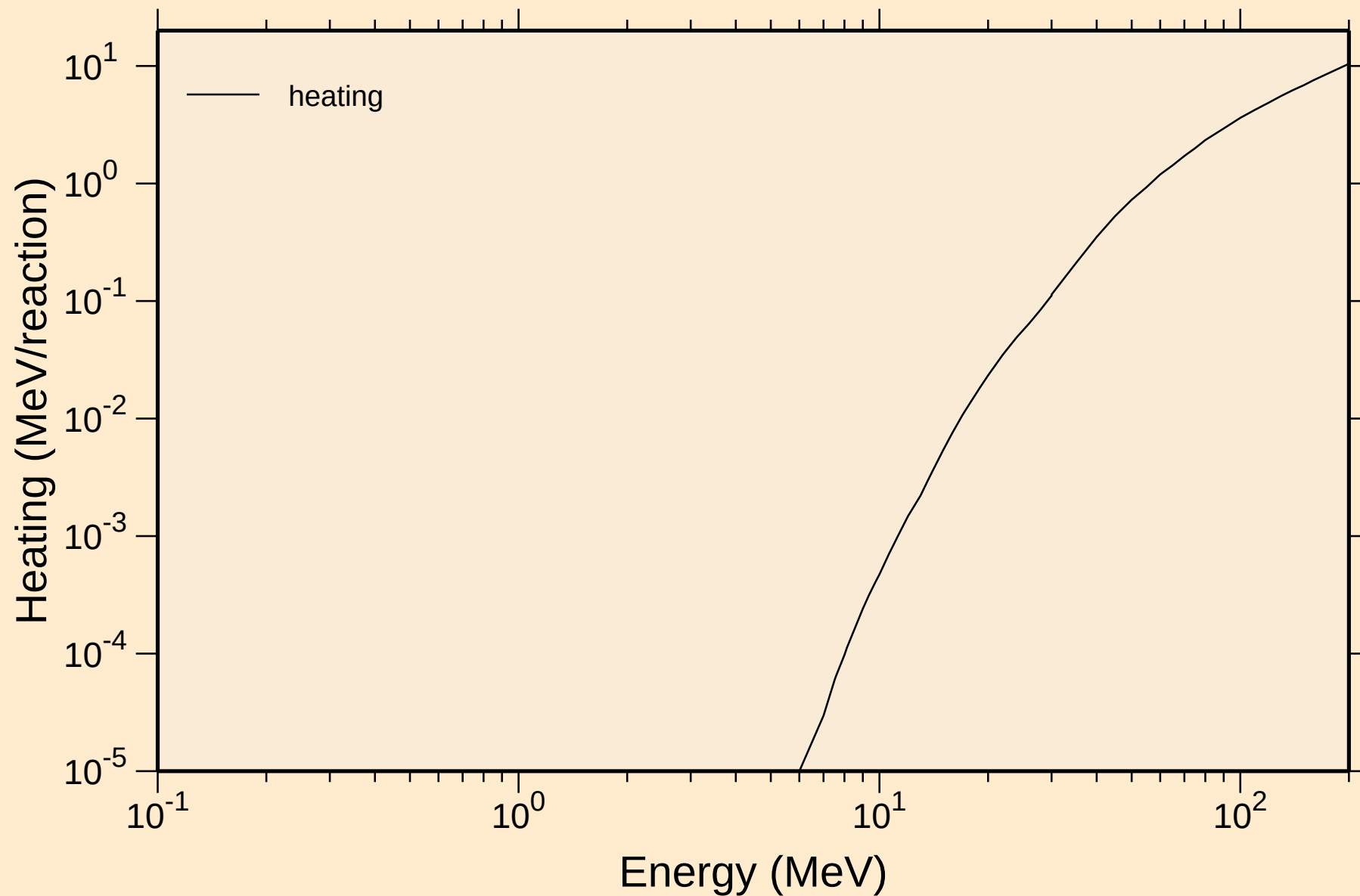
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



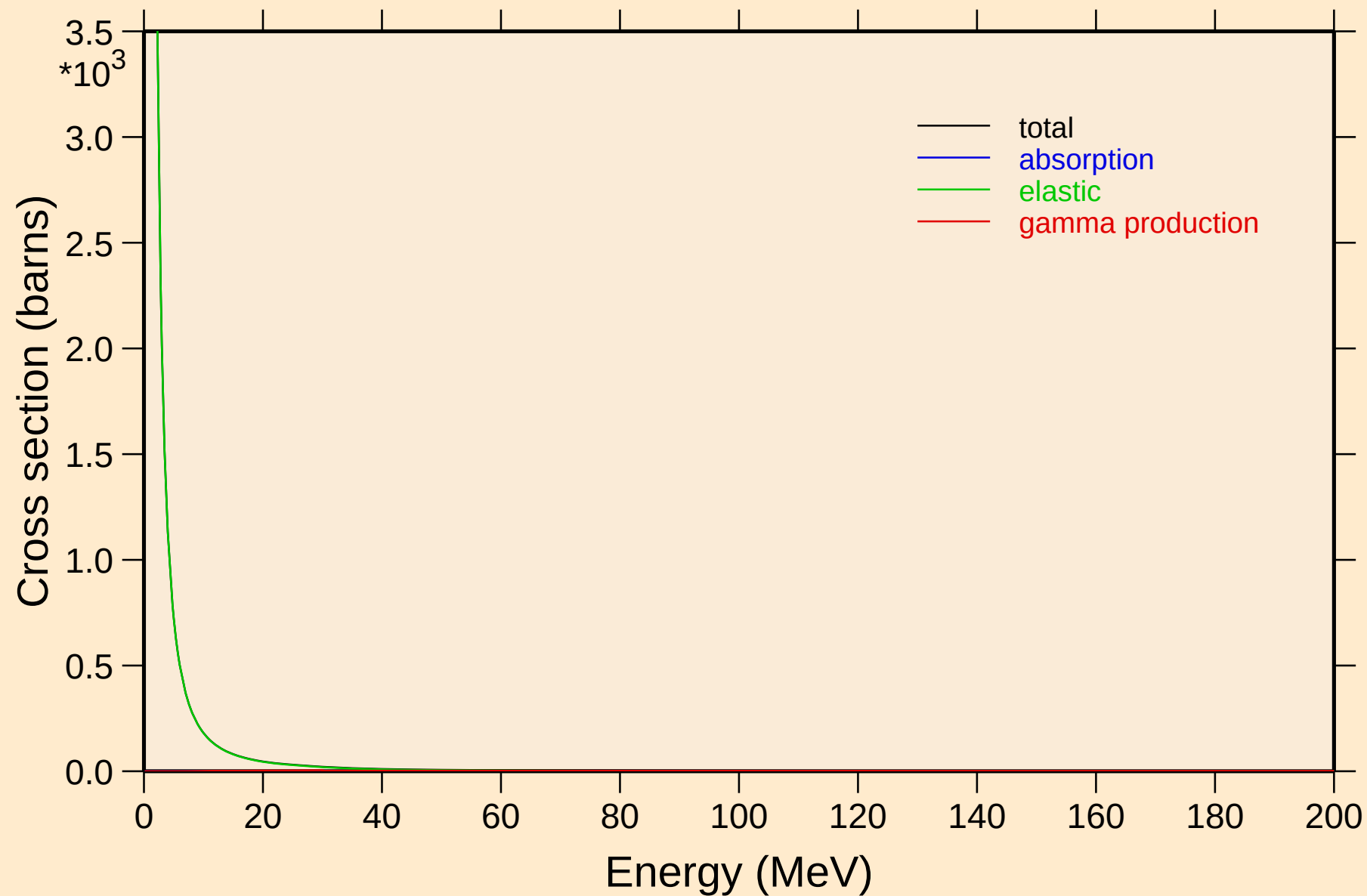
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



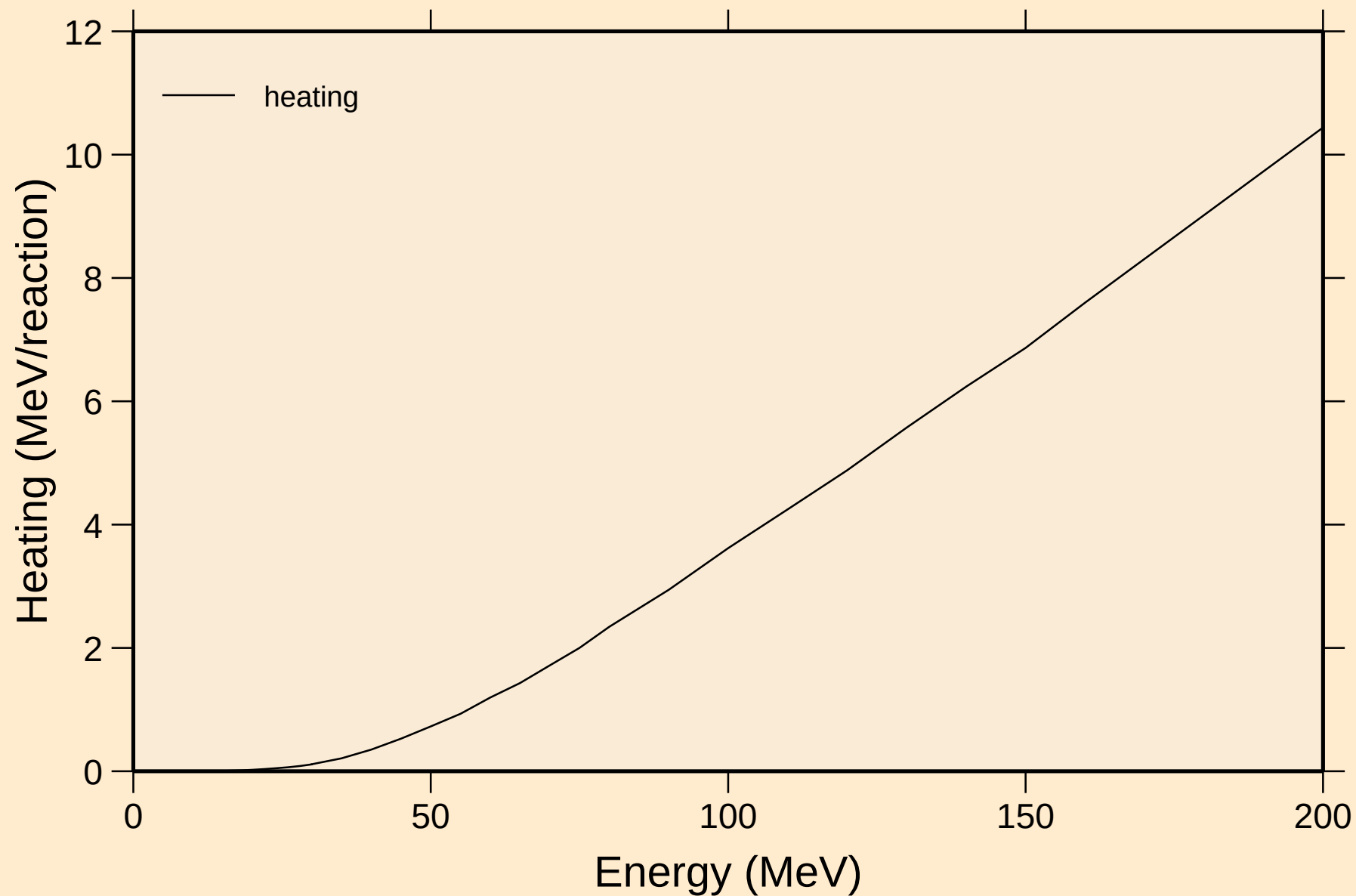
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



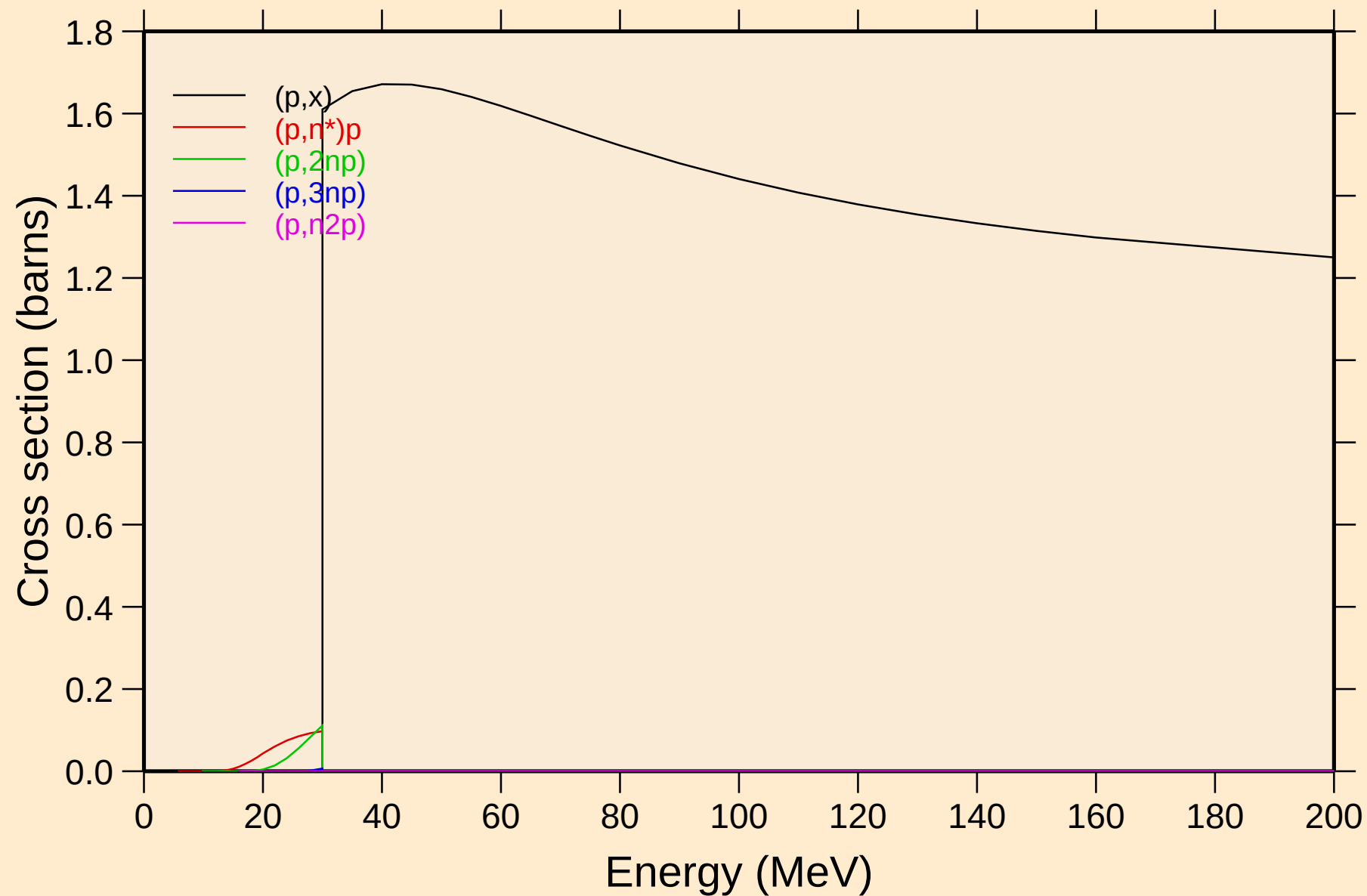
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



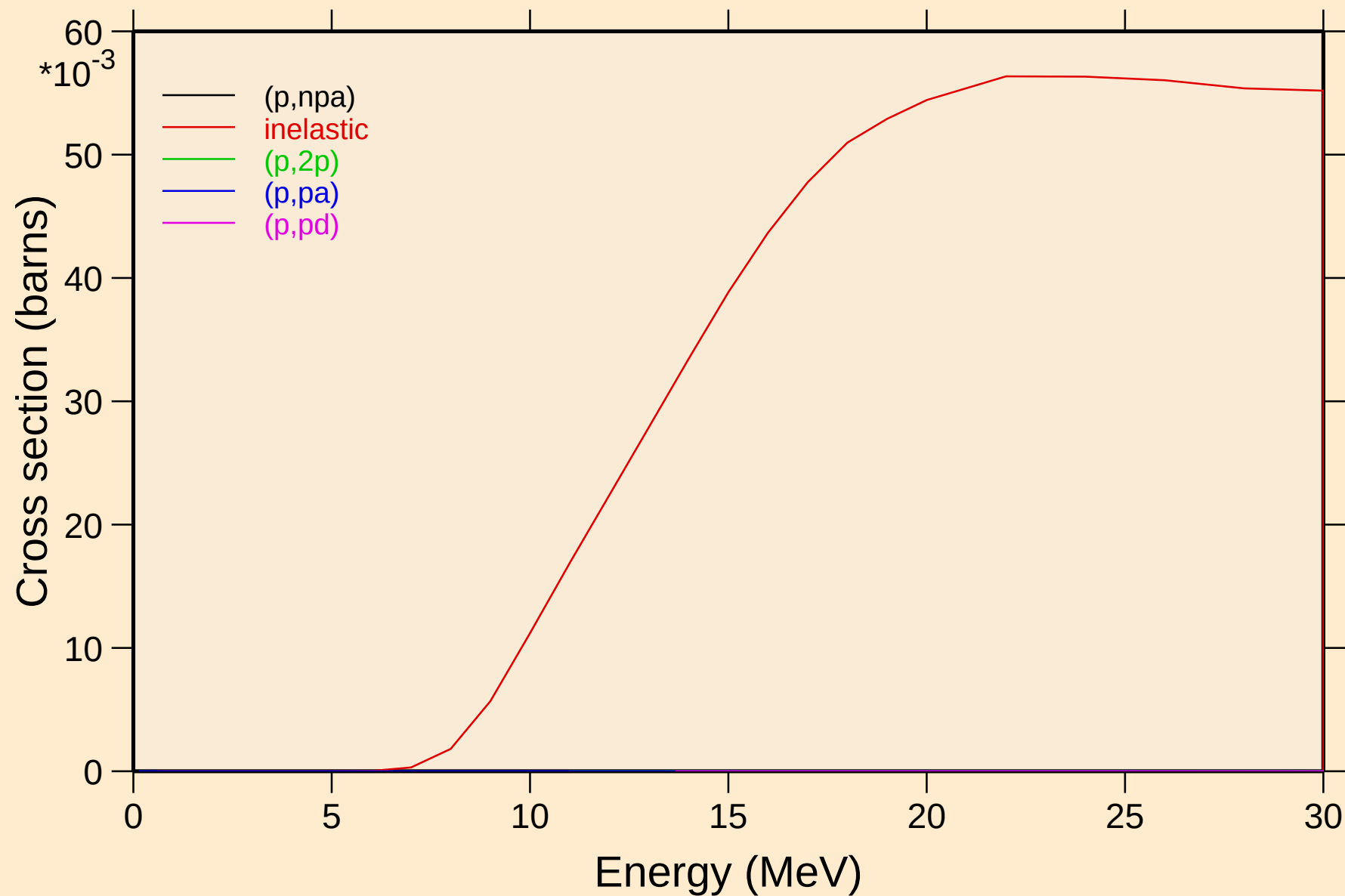
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



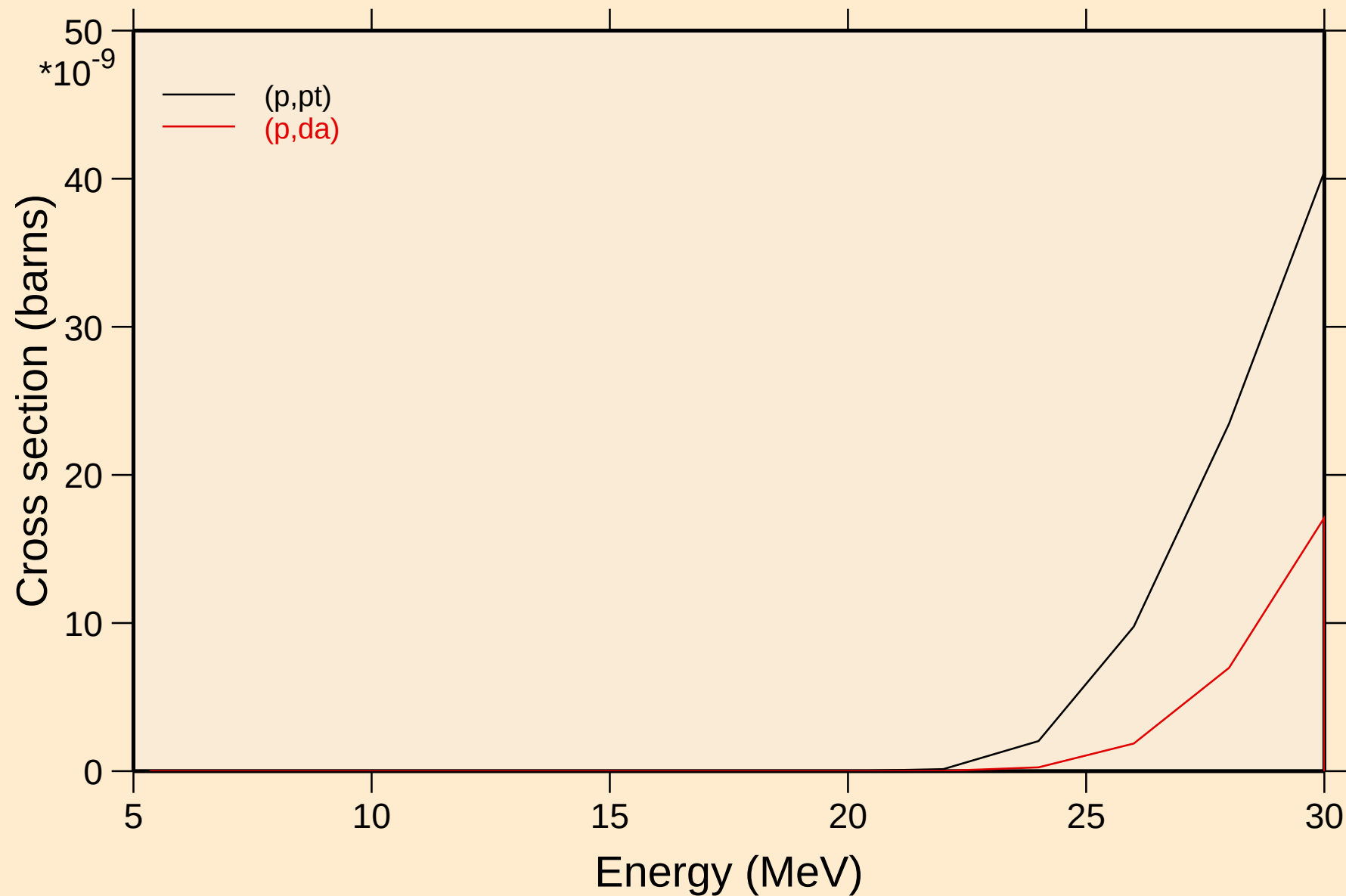
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

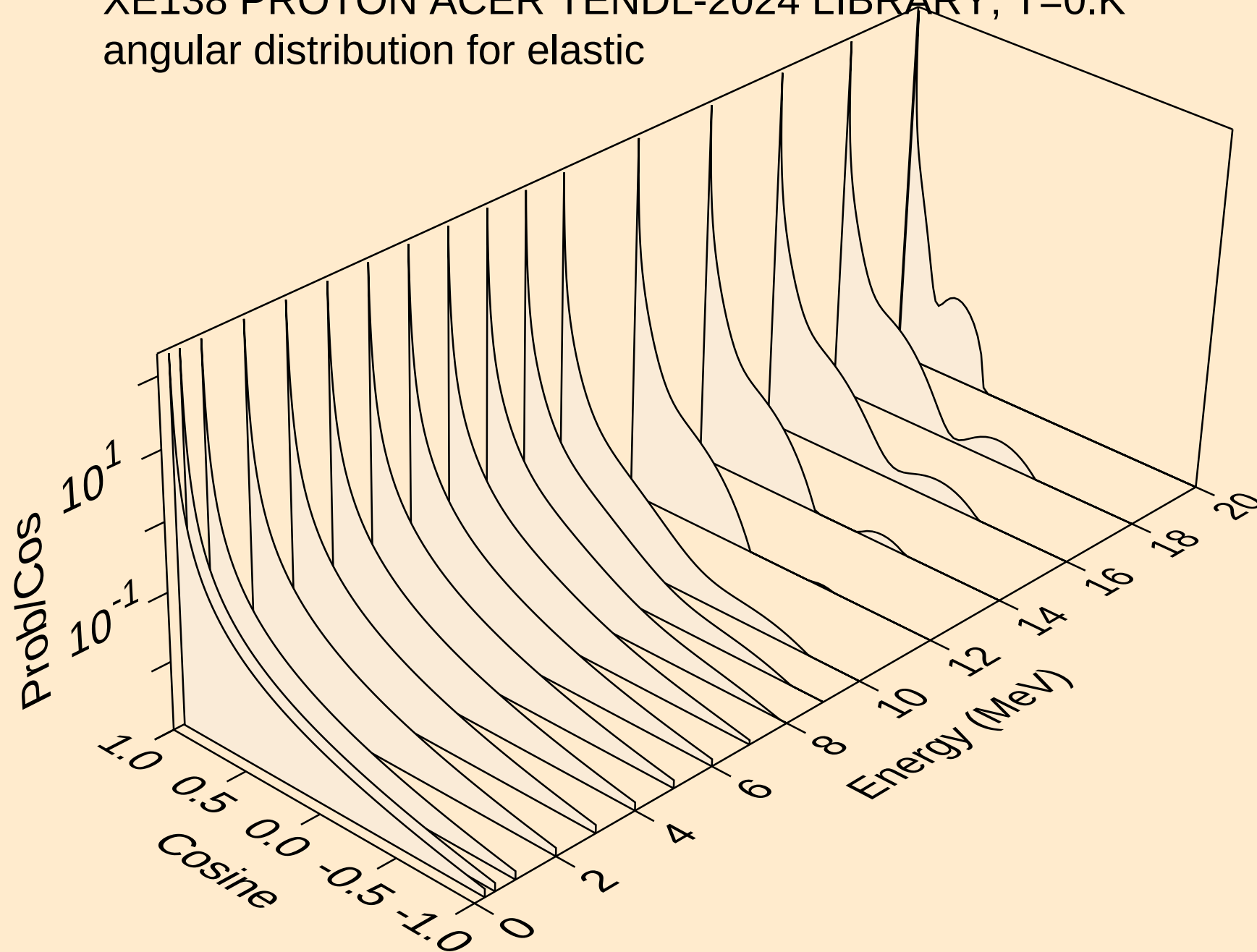


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

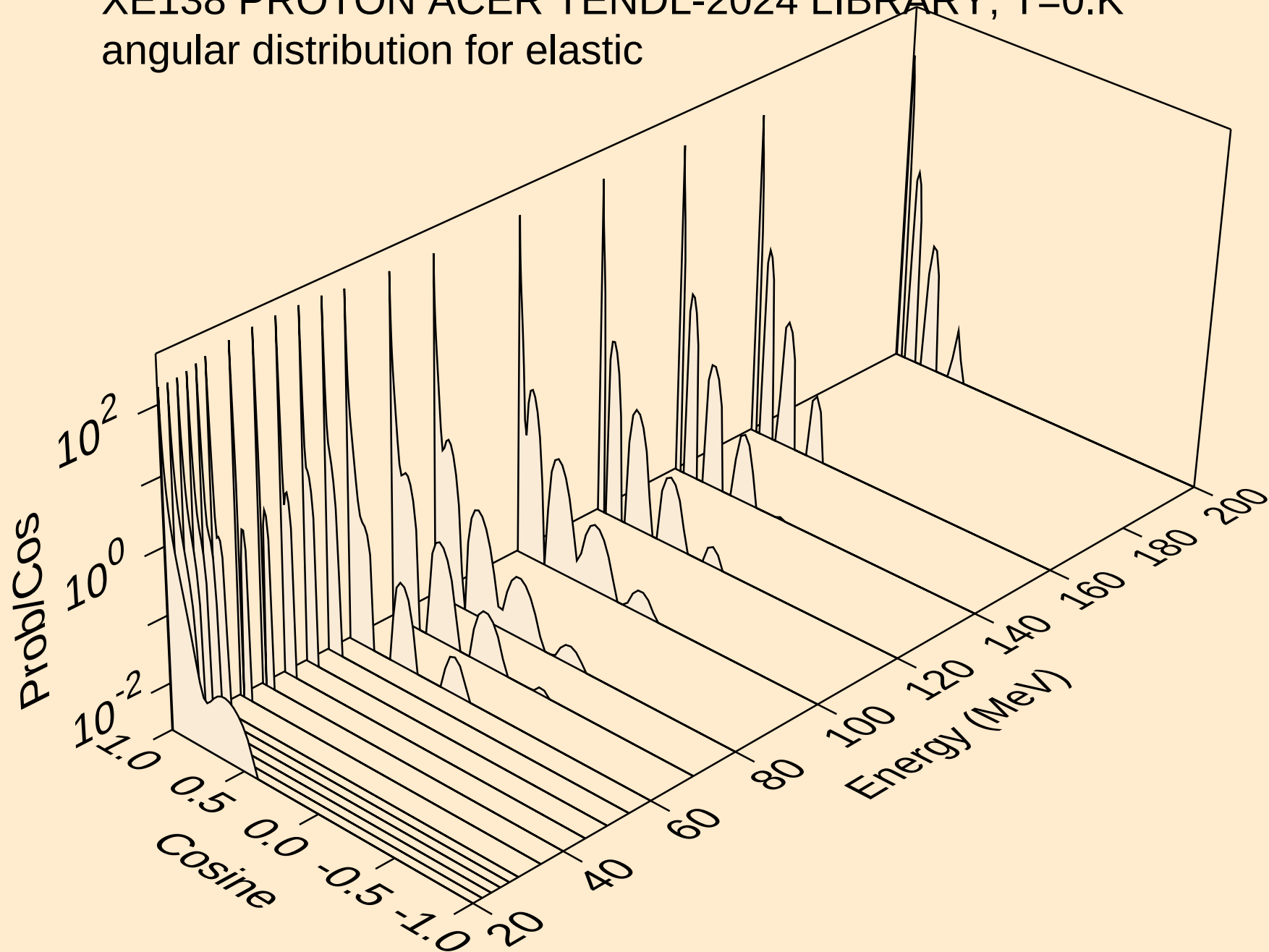
Threshold reactions



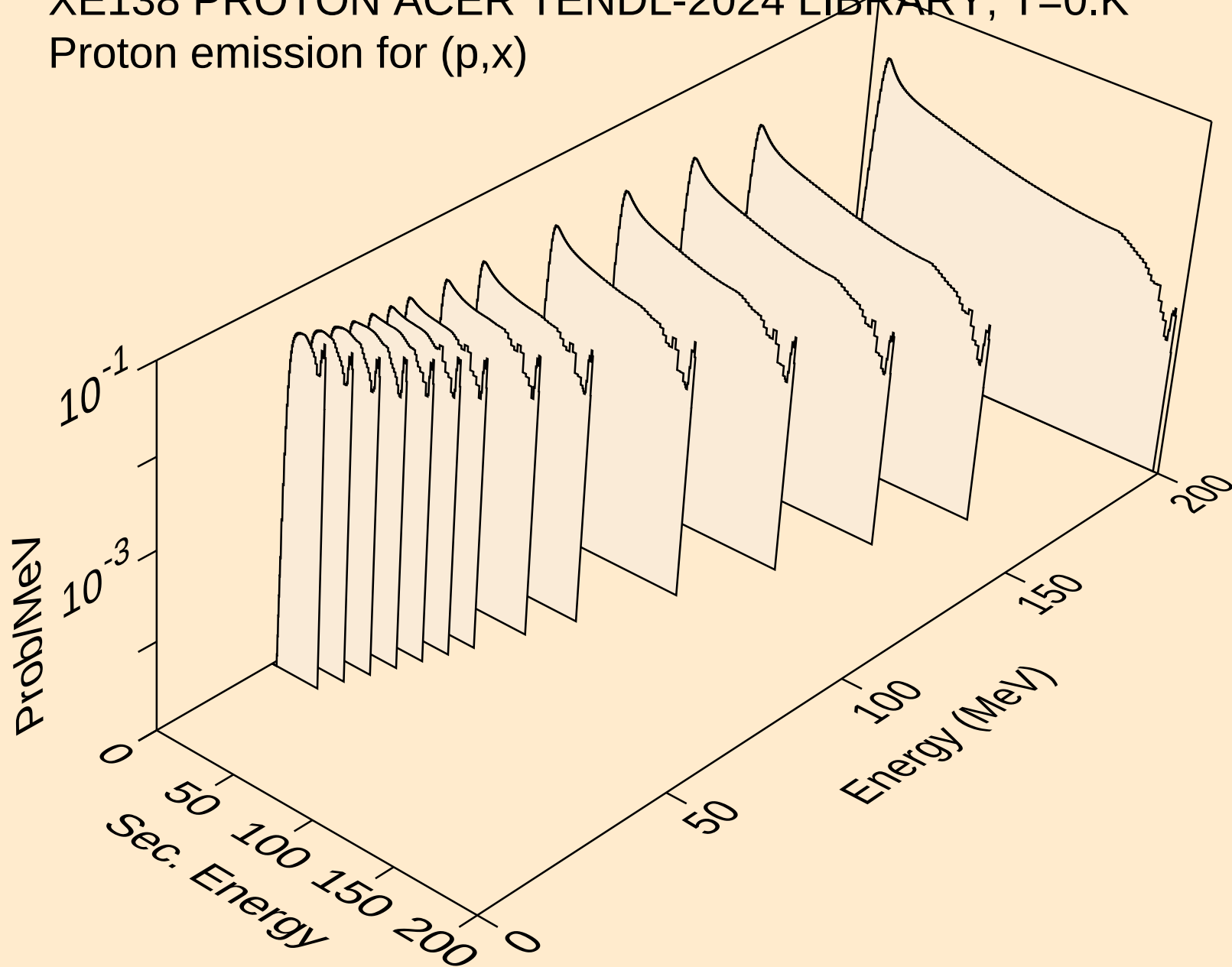
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic

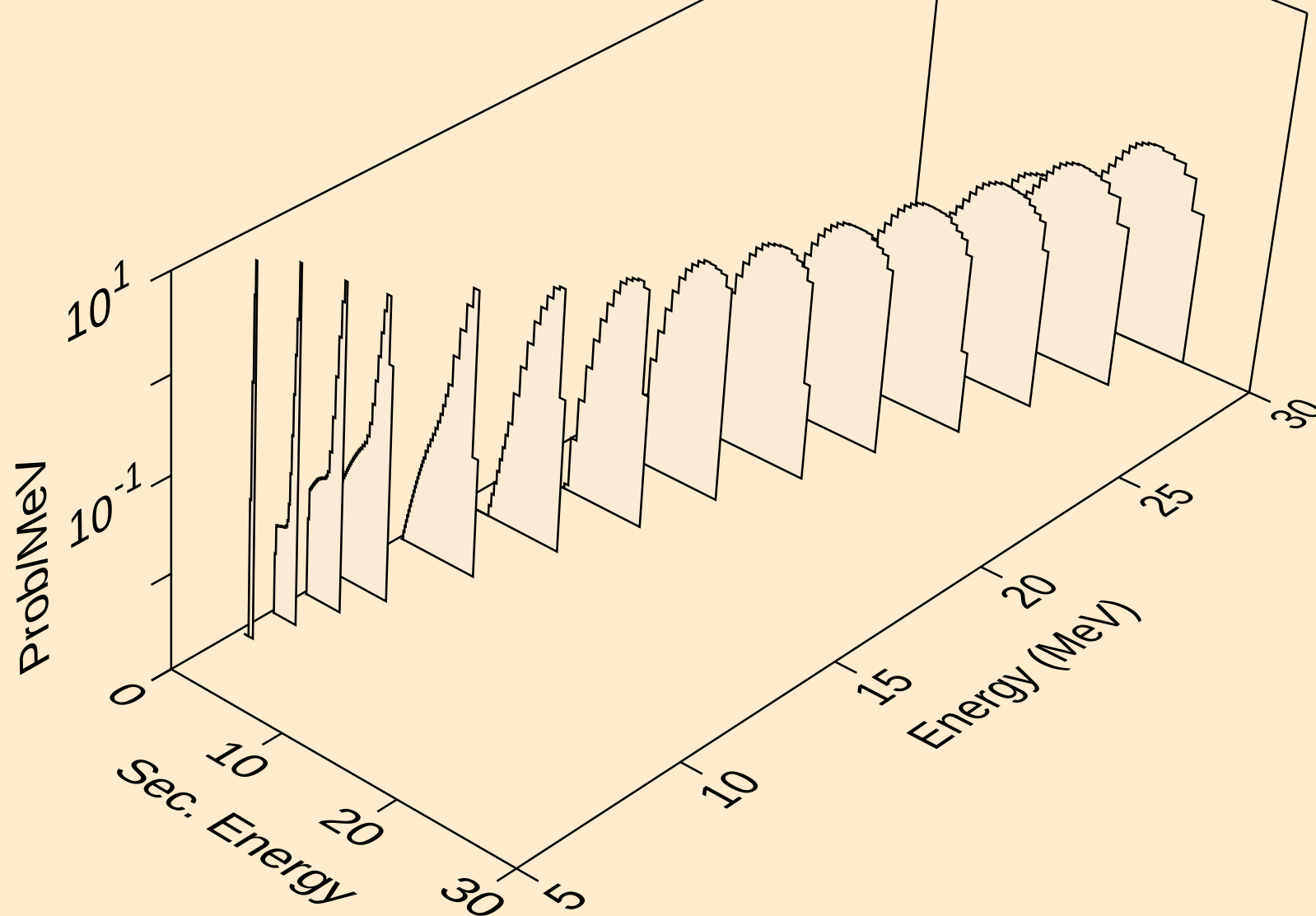


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Proton emission for (p,x)

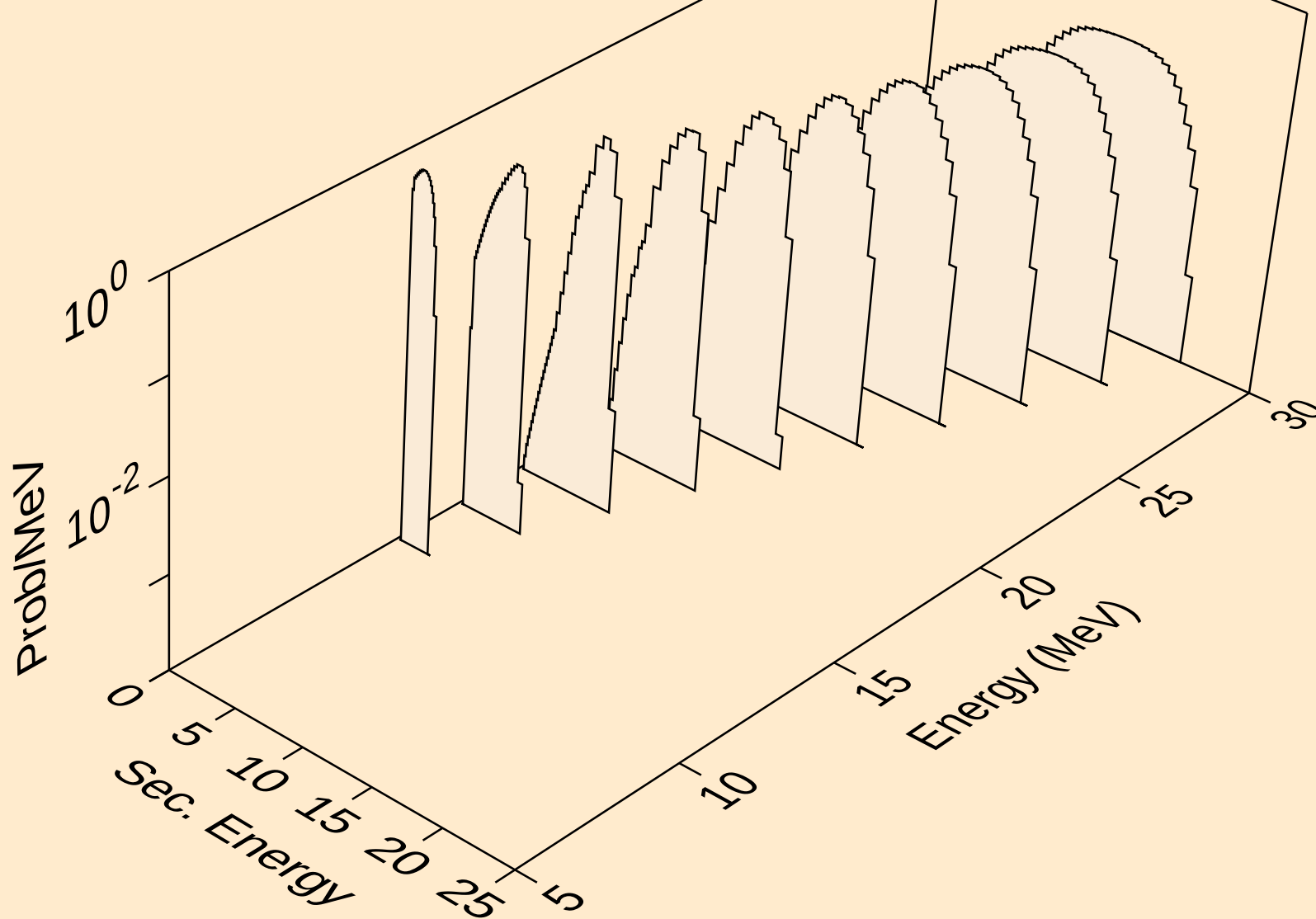


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

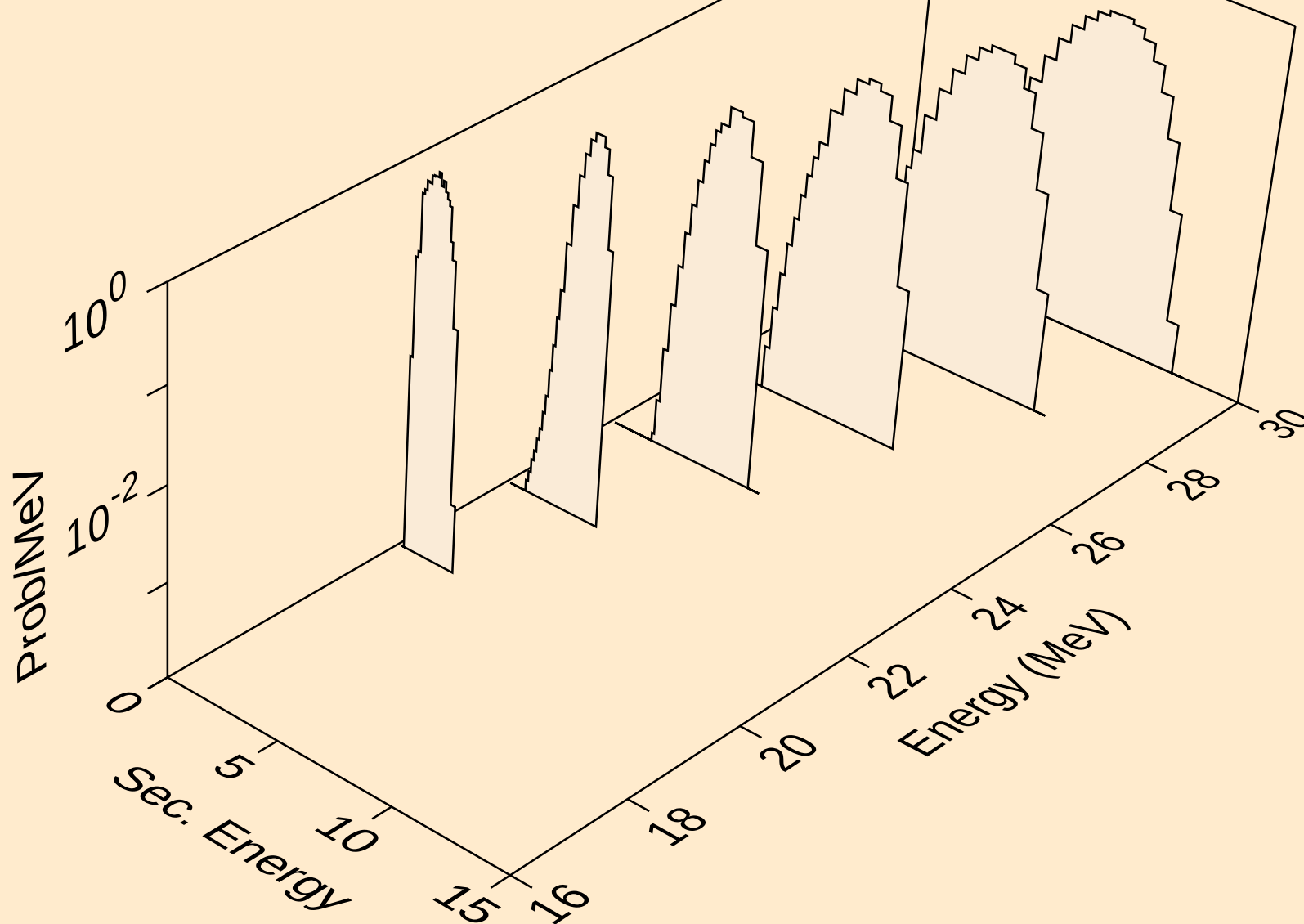
Proton emission for (p,n*)p



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Proton emission for (p,2np)

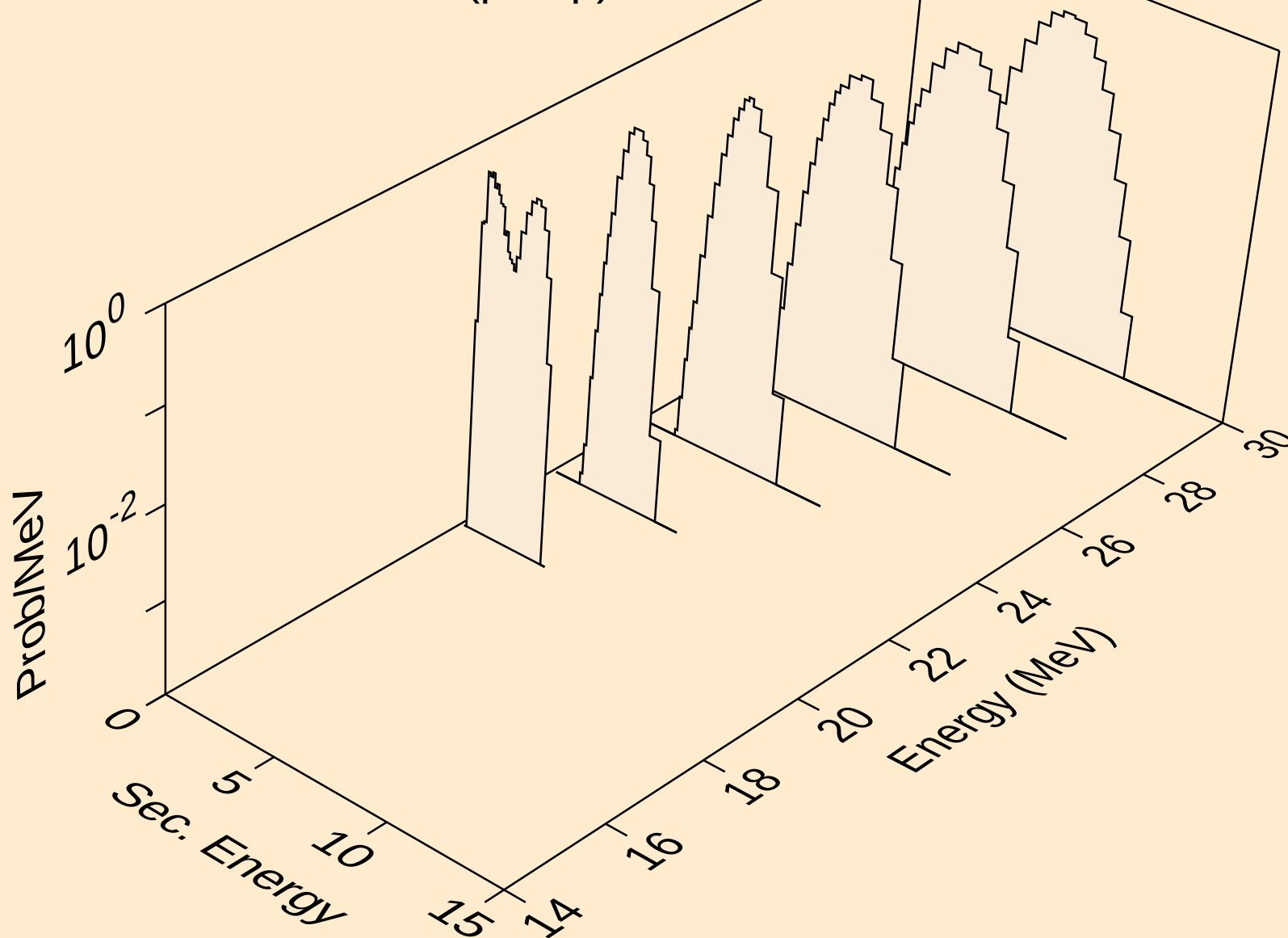


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Proton emission for (p,3np)

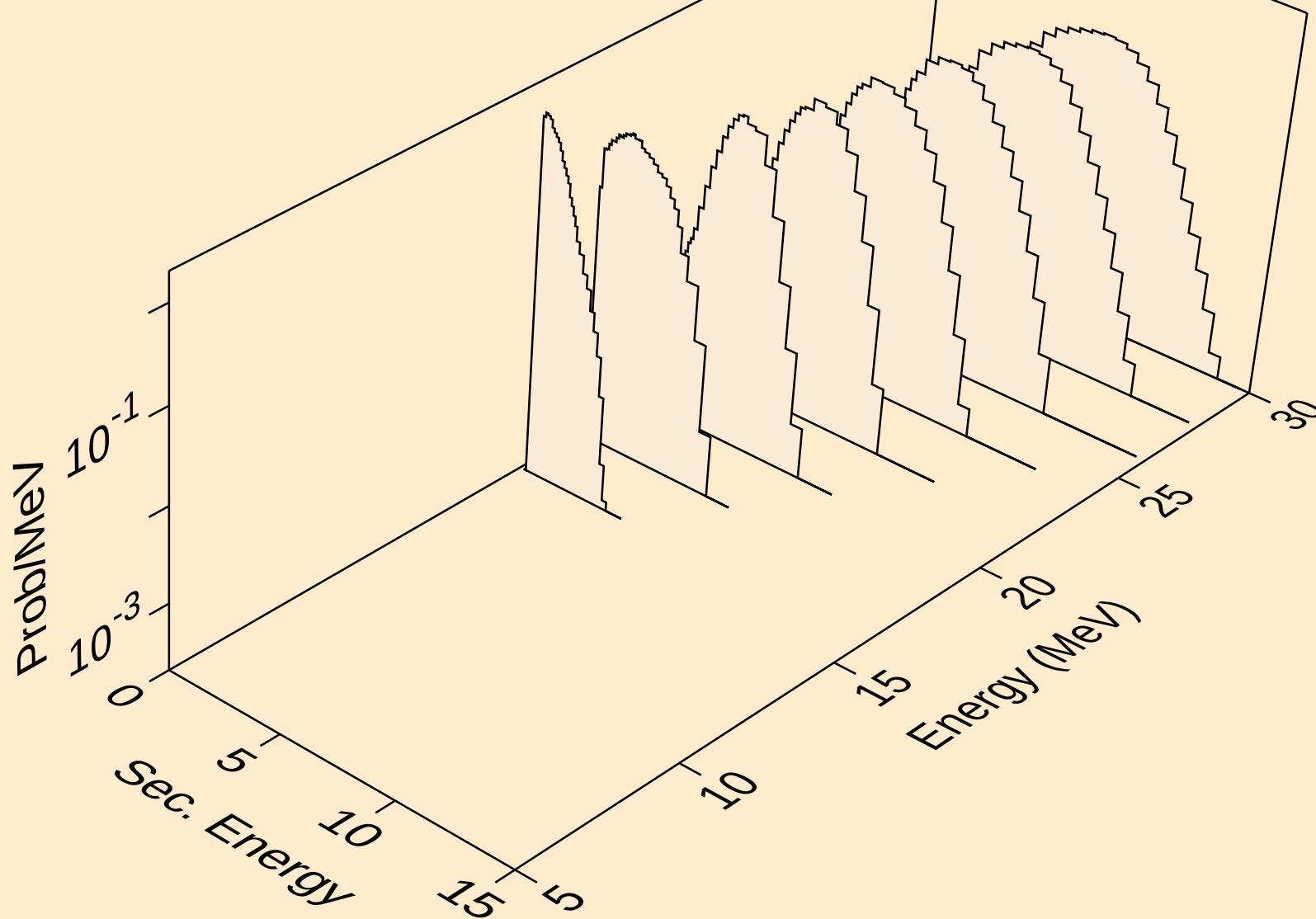


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

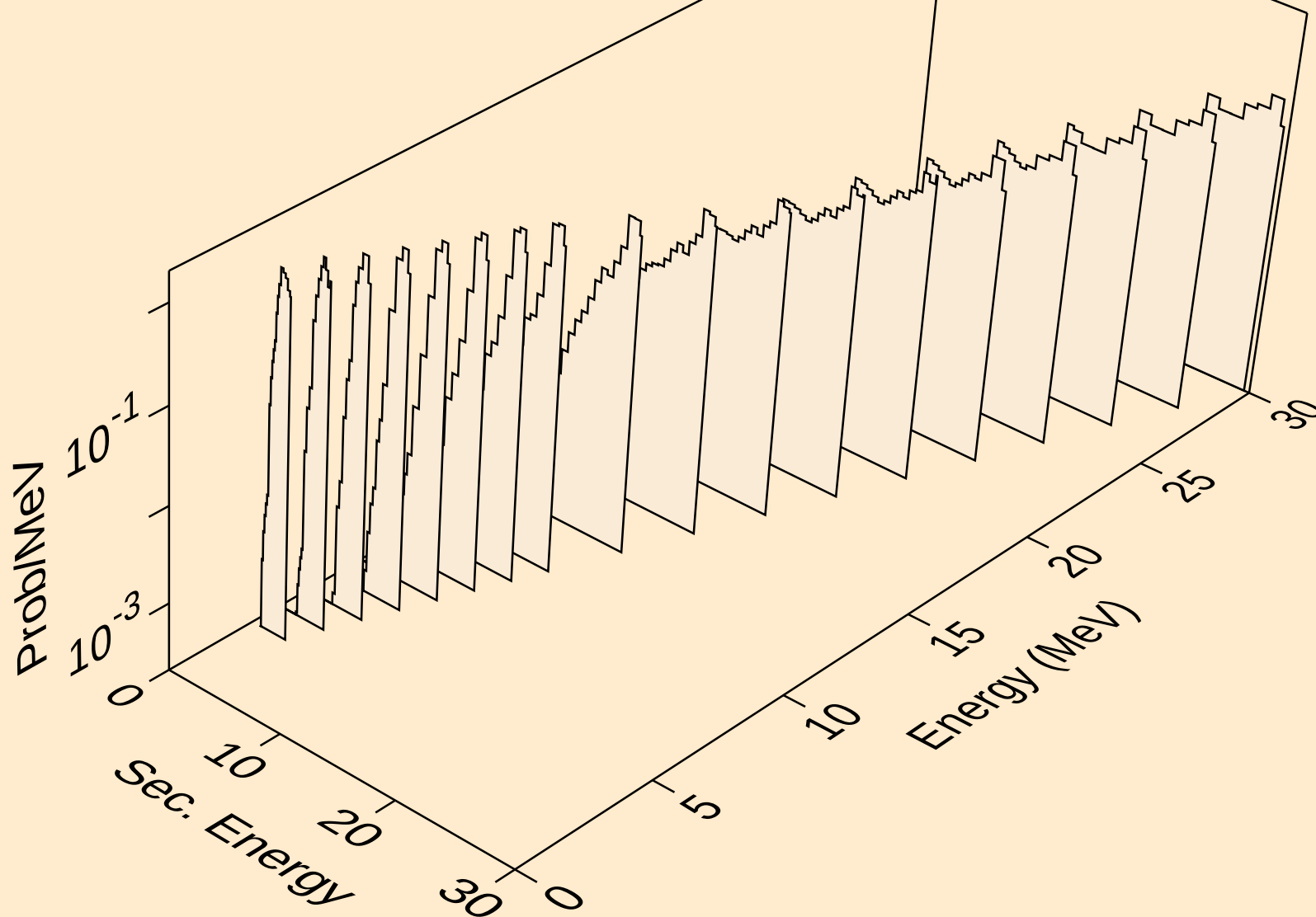
Proton emission for (p,n2p)



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Proton emission for (p,npa)

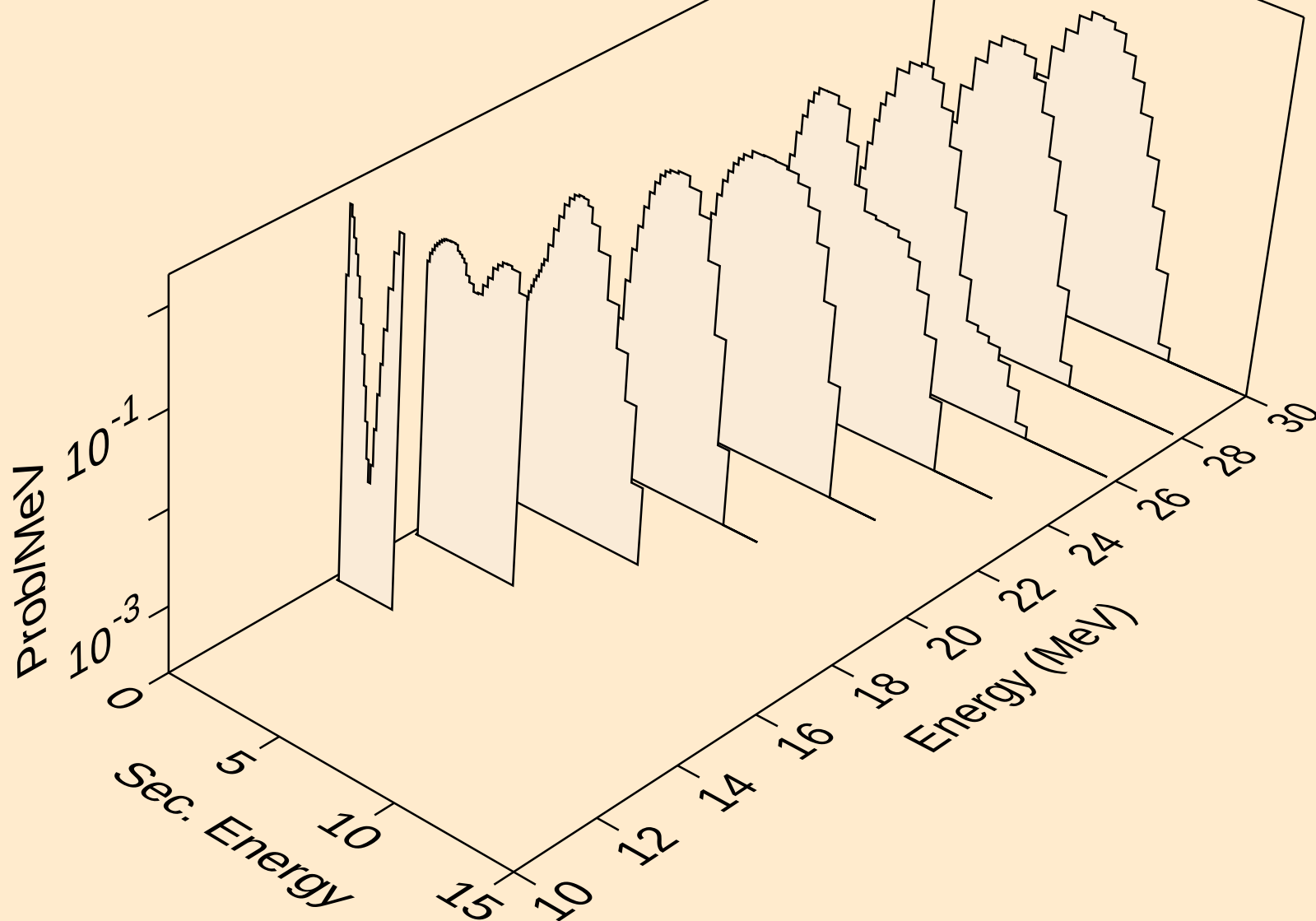


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Proton emission for inelastic



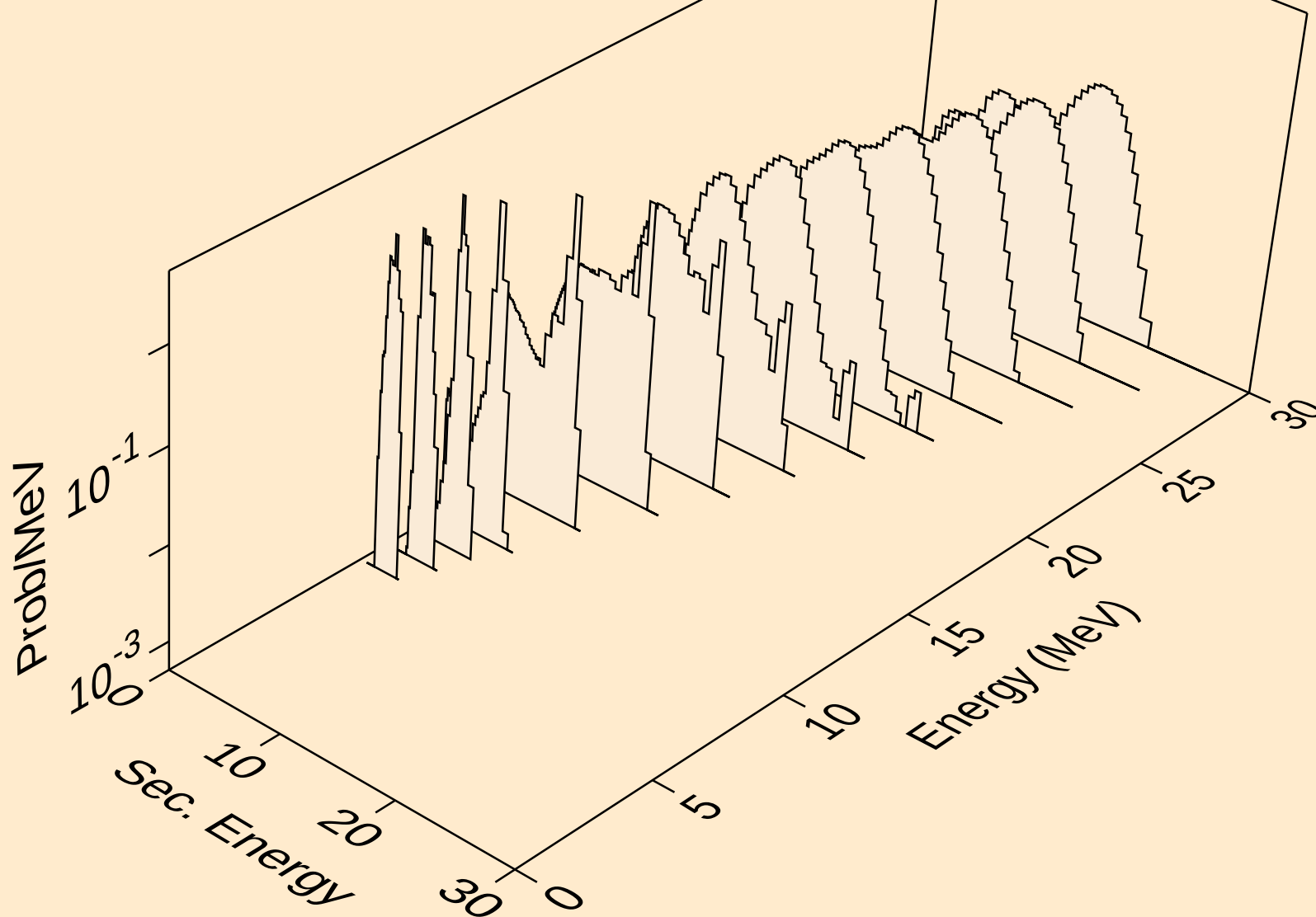
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,2p)



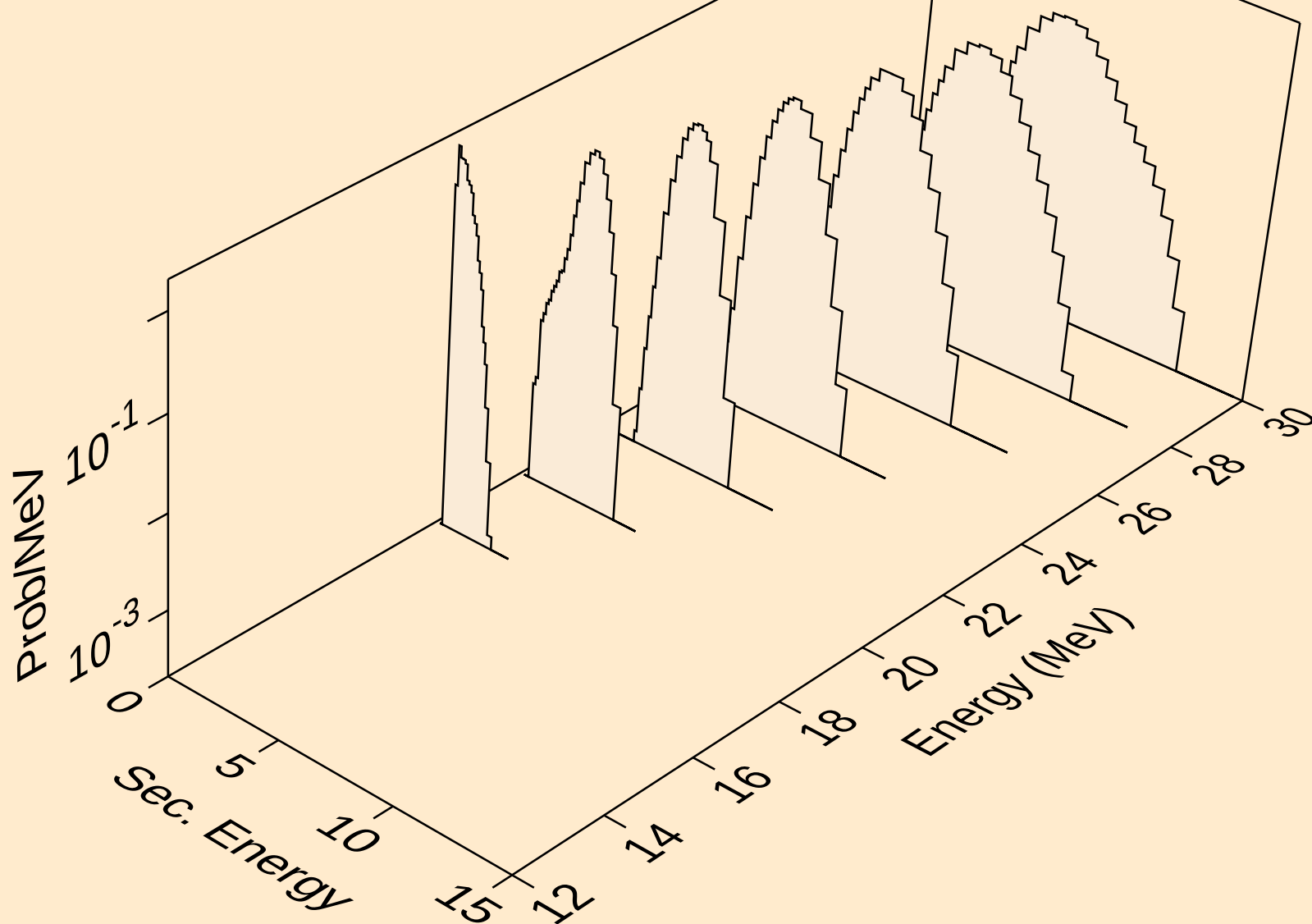
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pa)



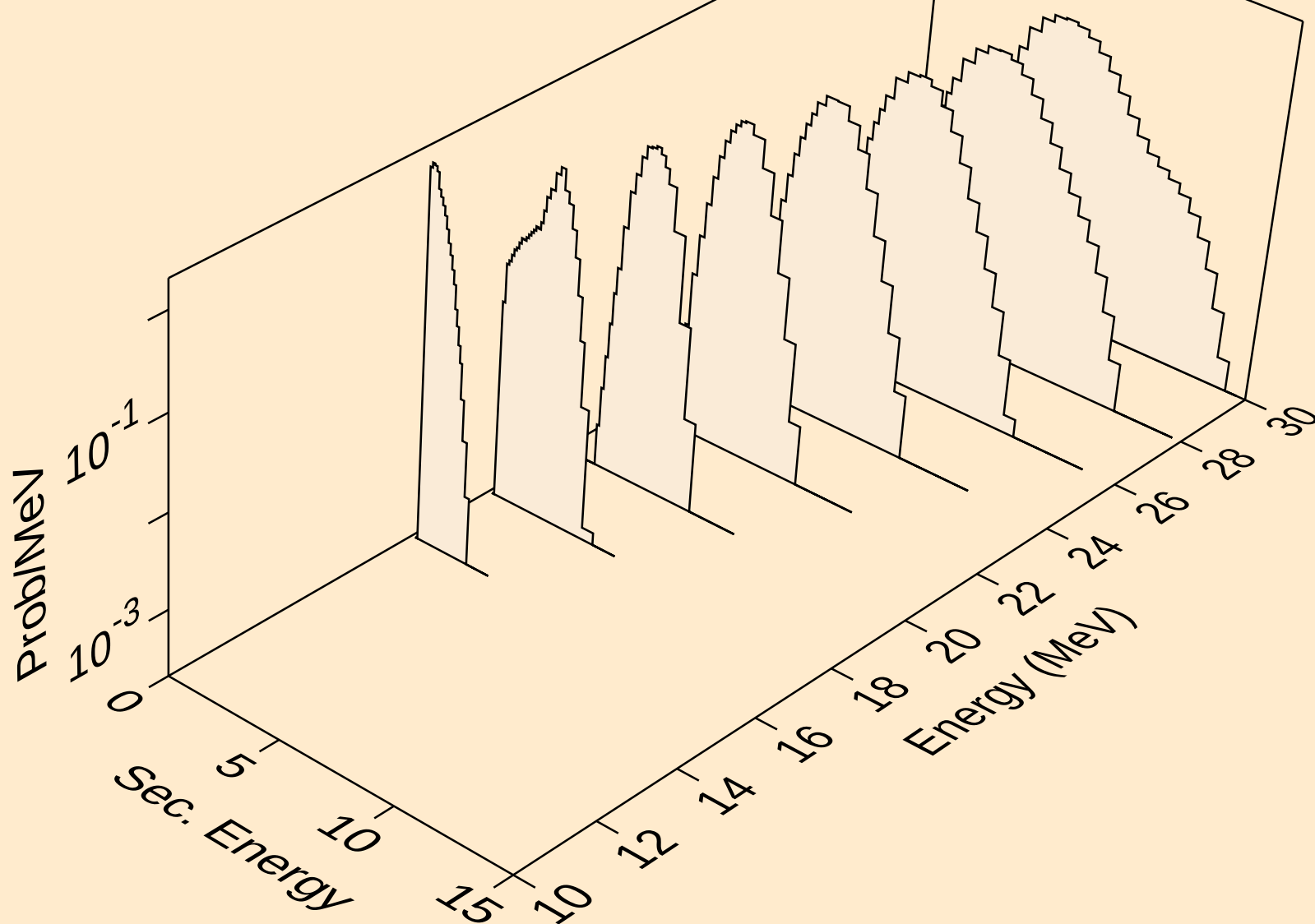
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pd)

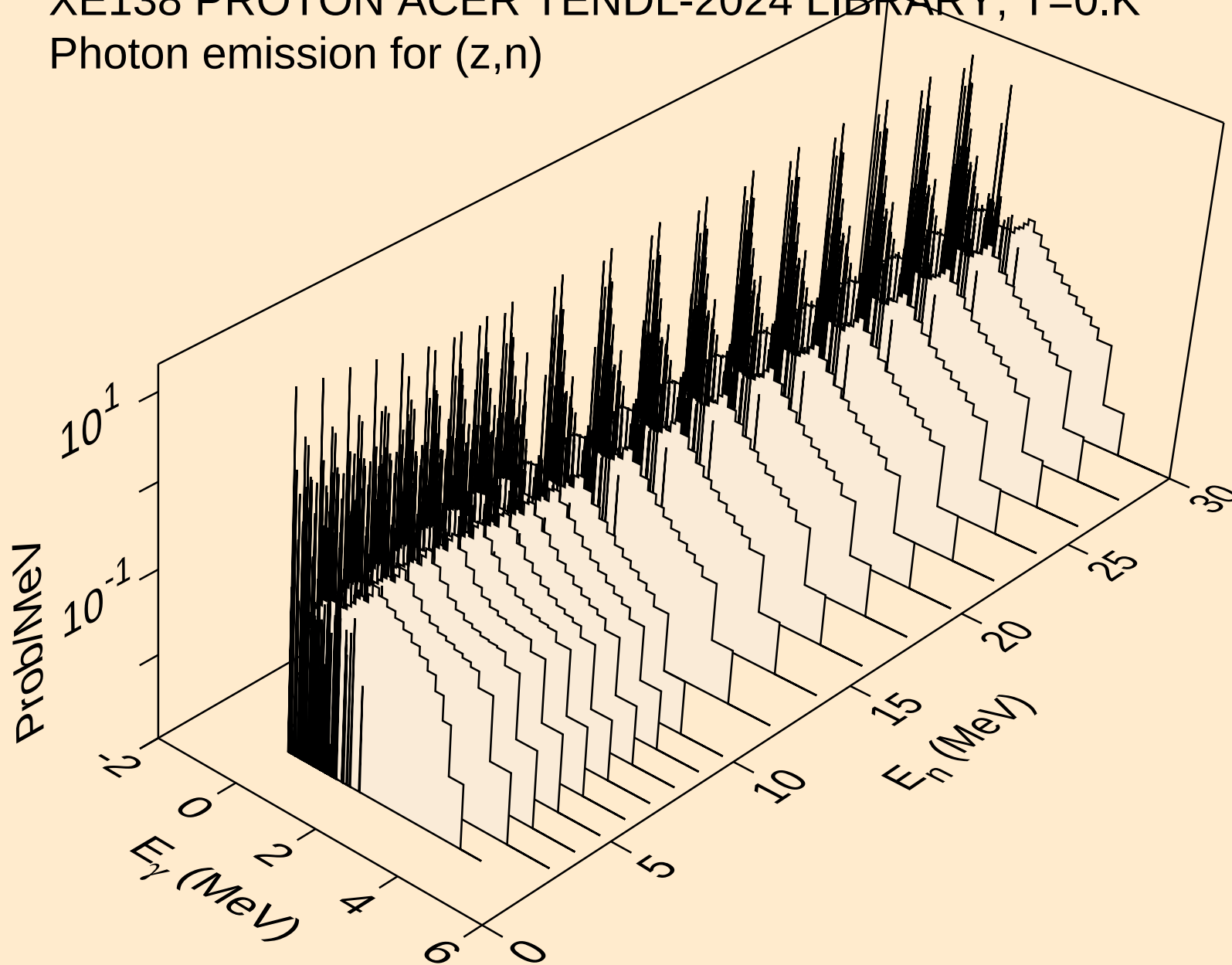


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pt)

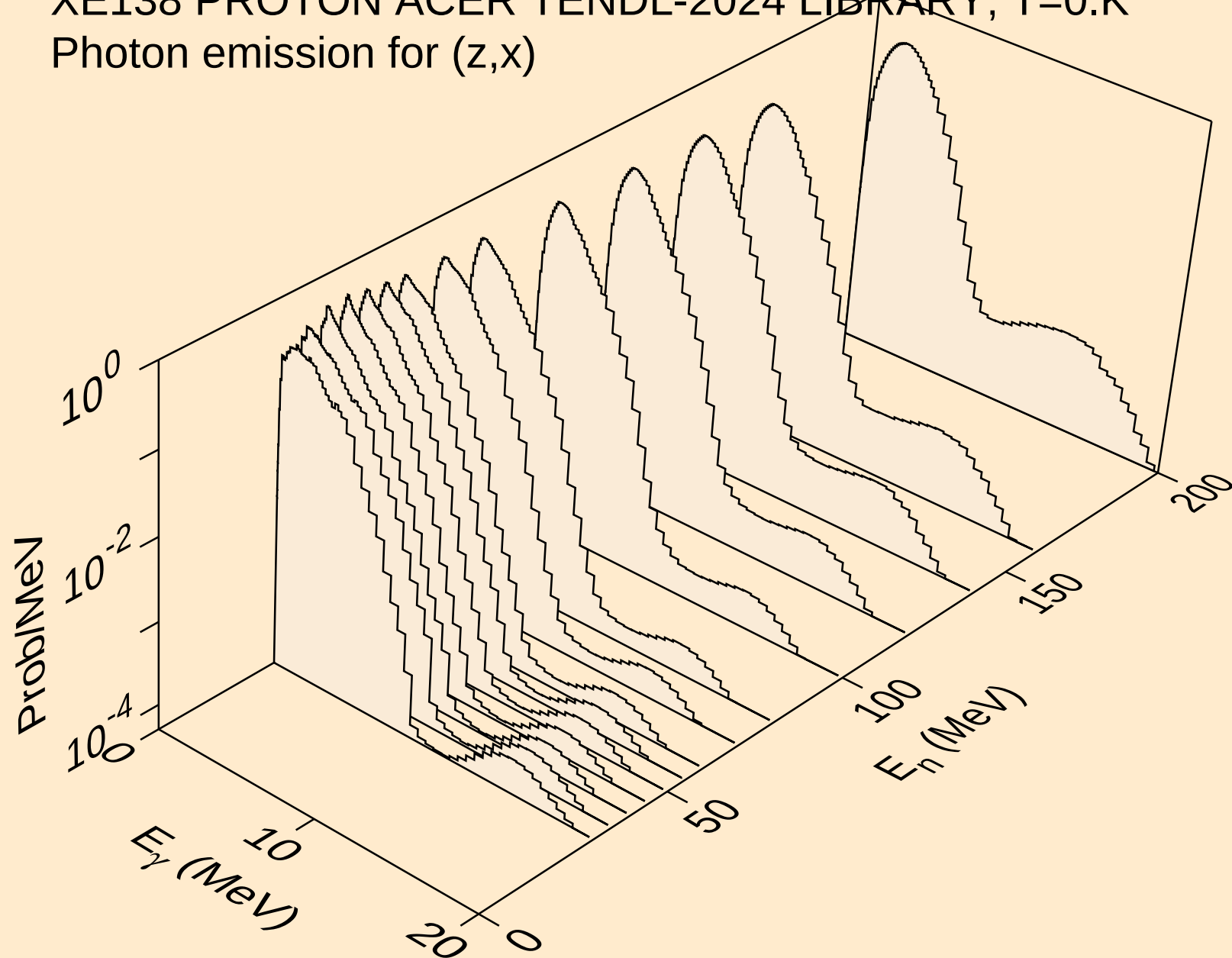


XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (z,n)

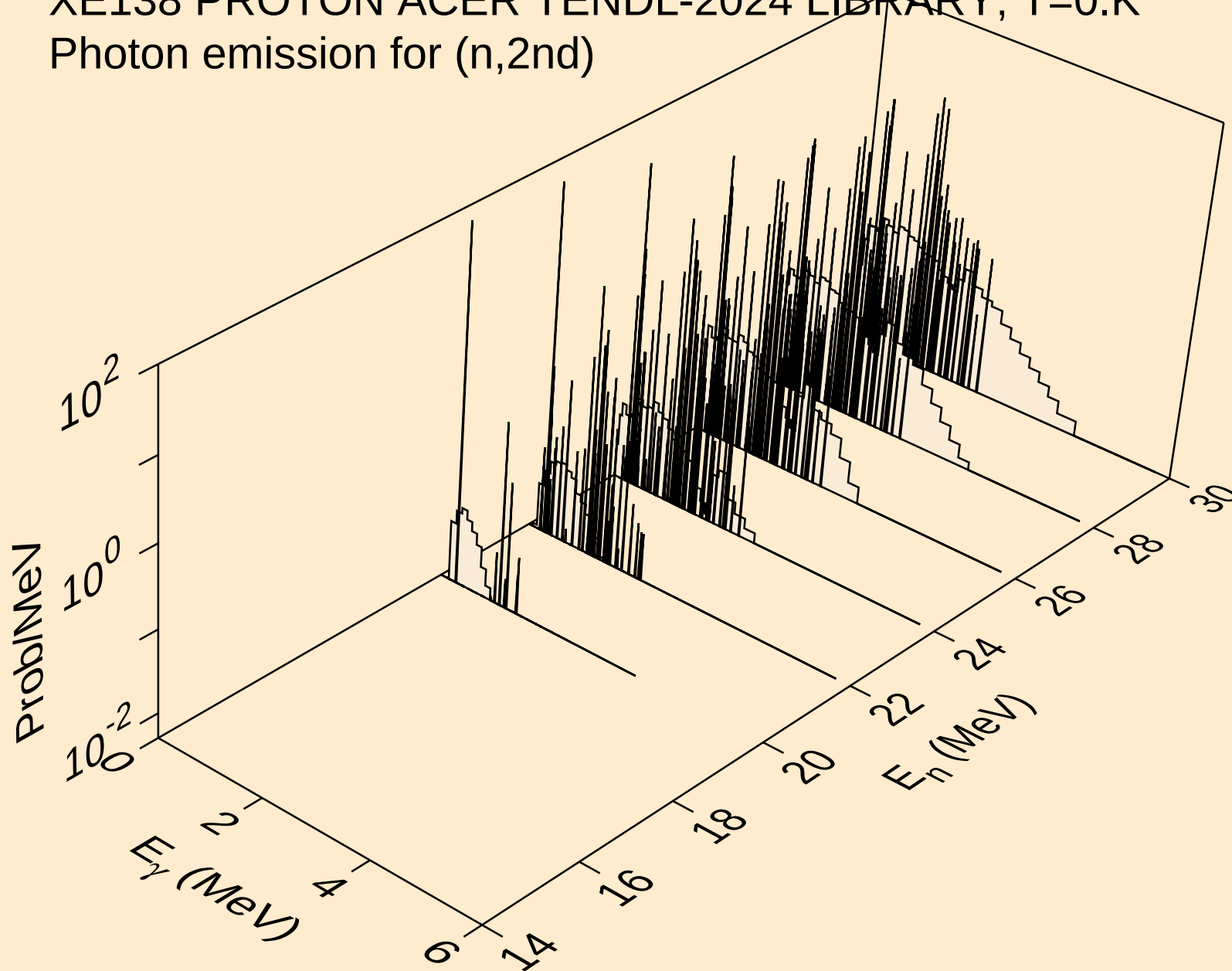


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

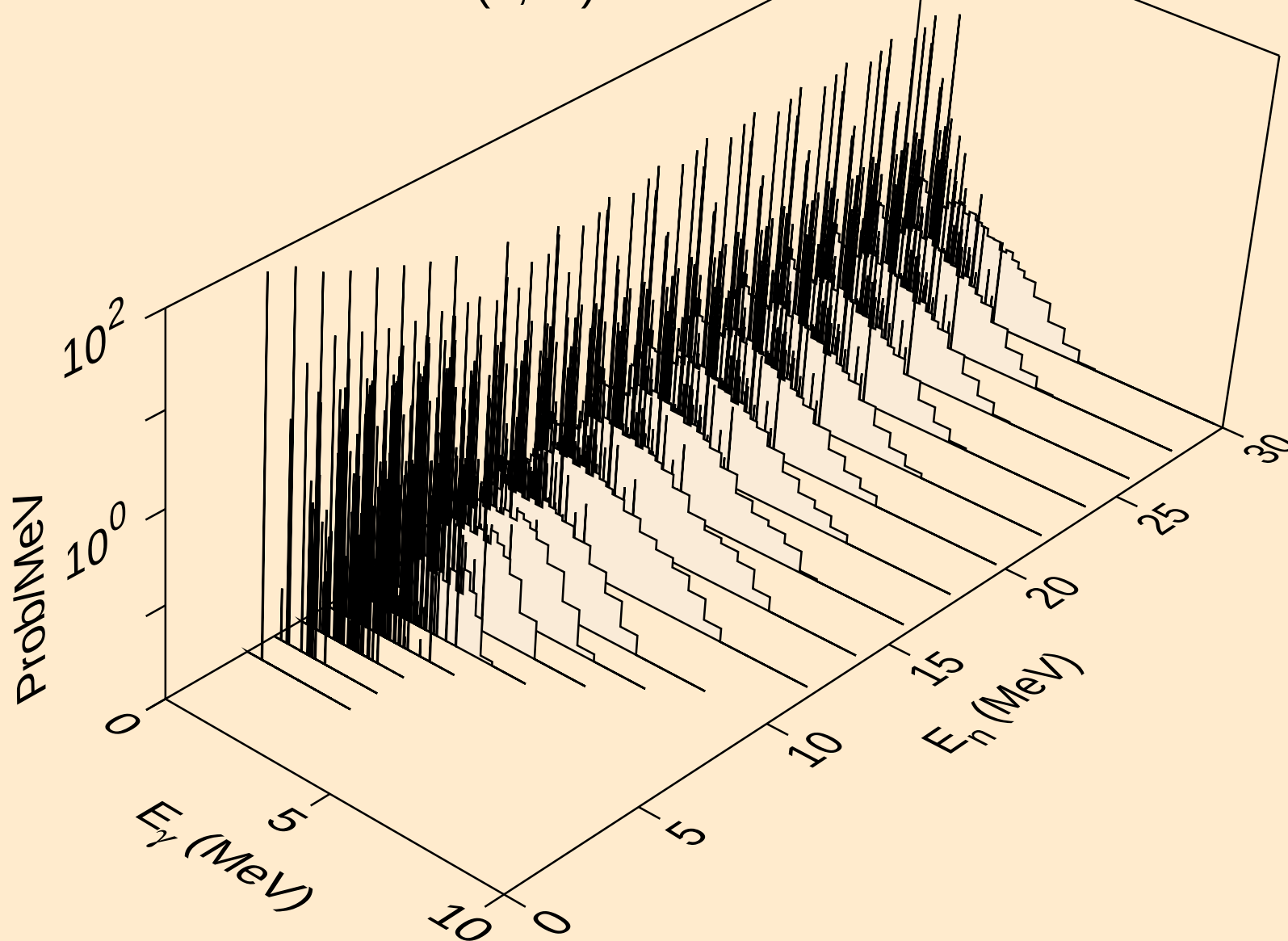
Photon emission for (z,x)



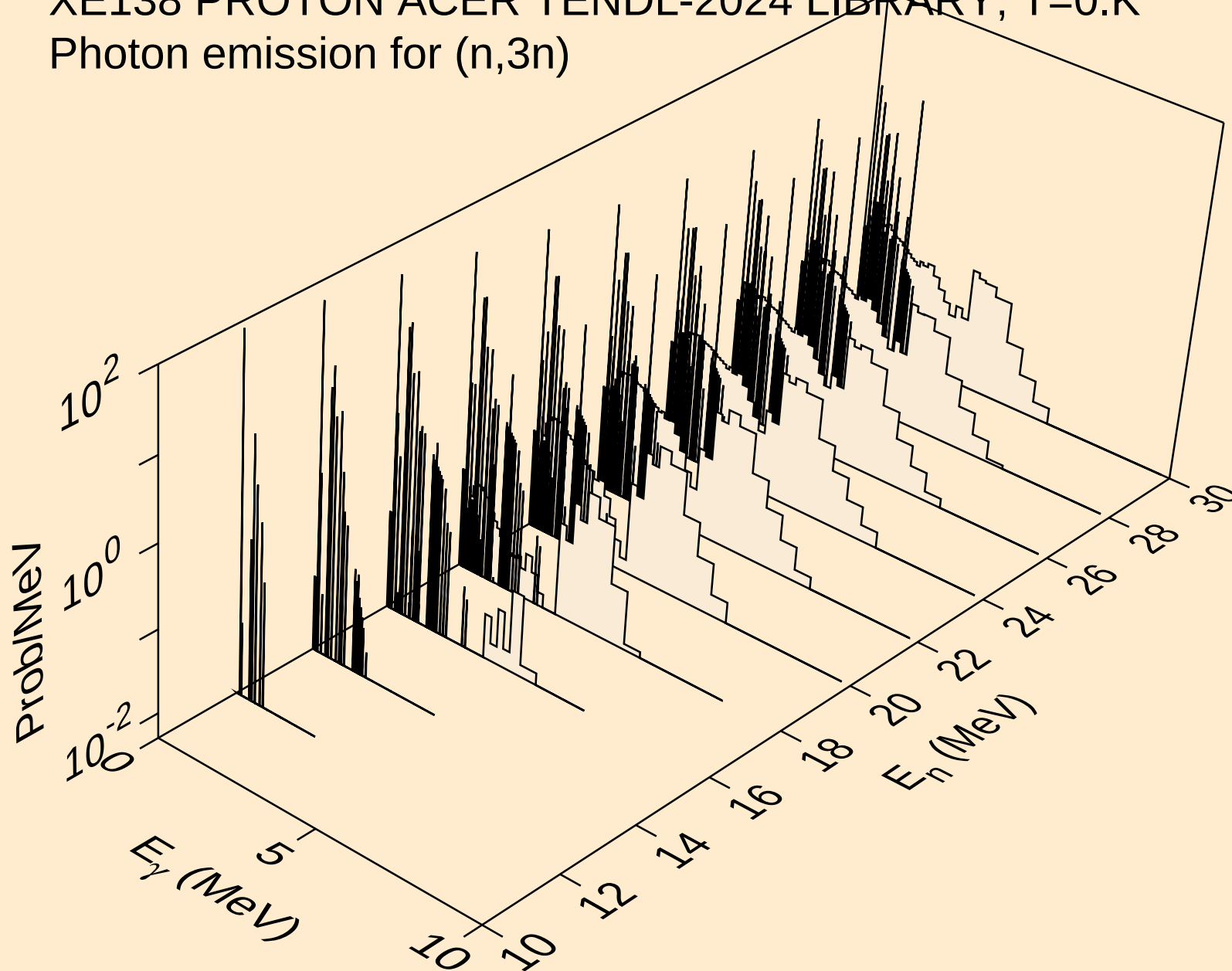
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2n)

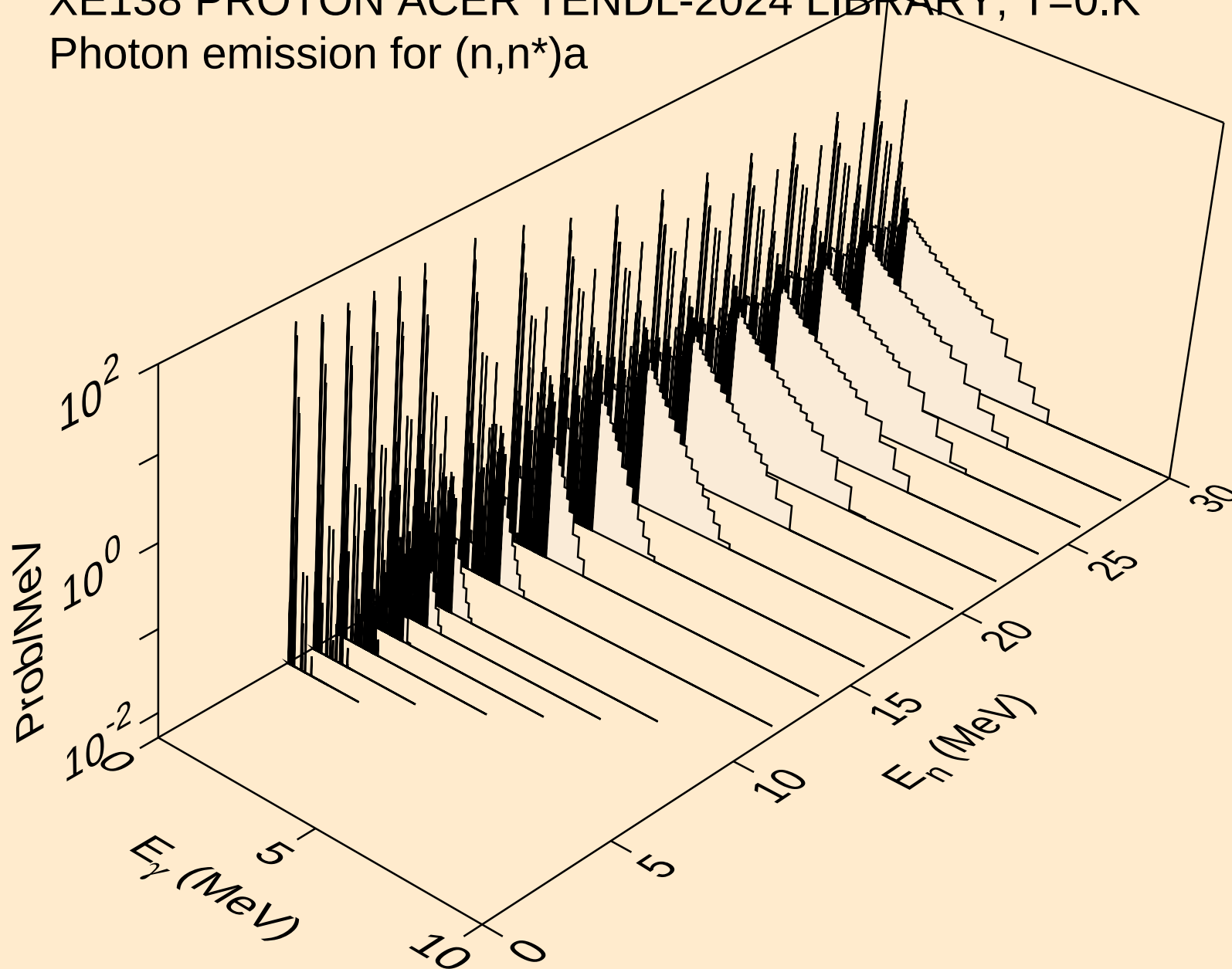


XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,3n)



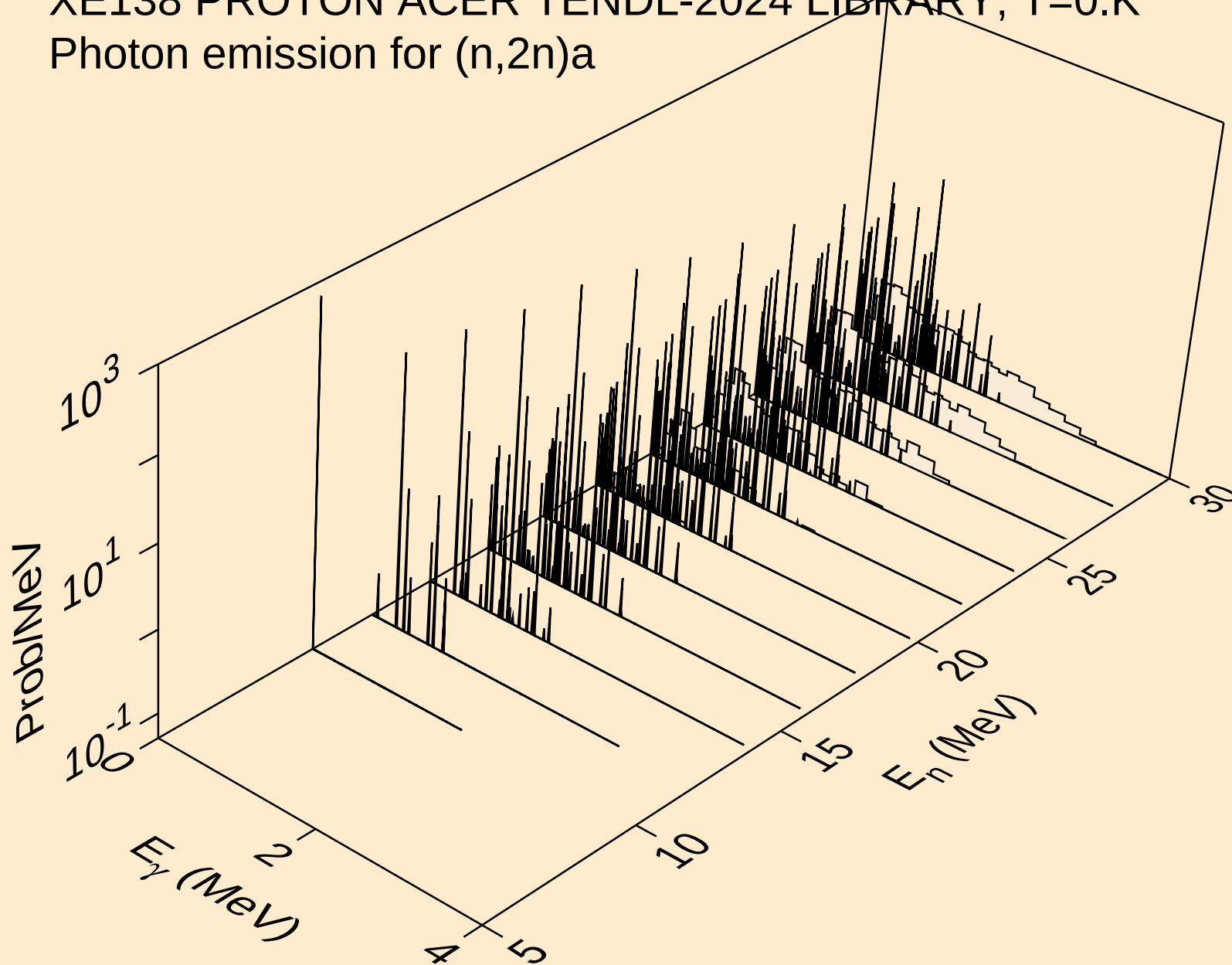
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$

Photon emission for $(n,n^*)a$



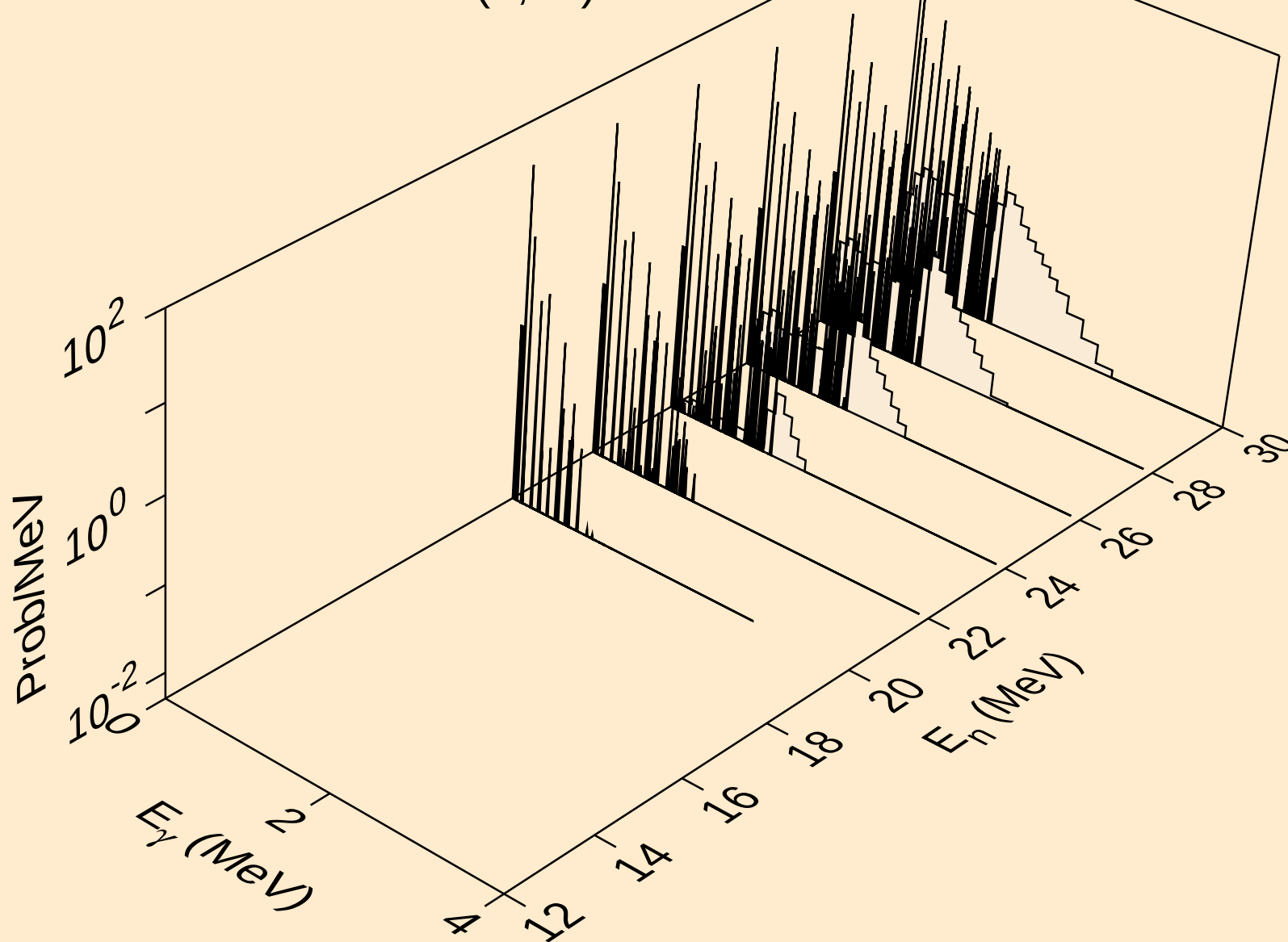
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) α



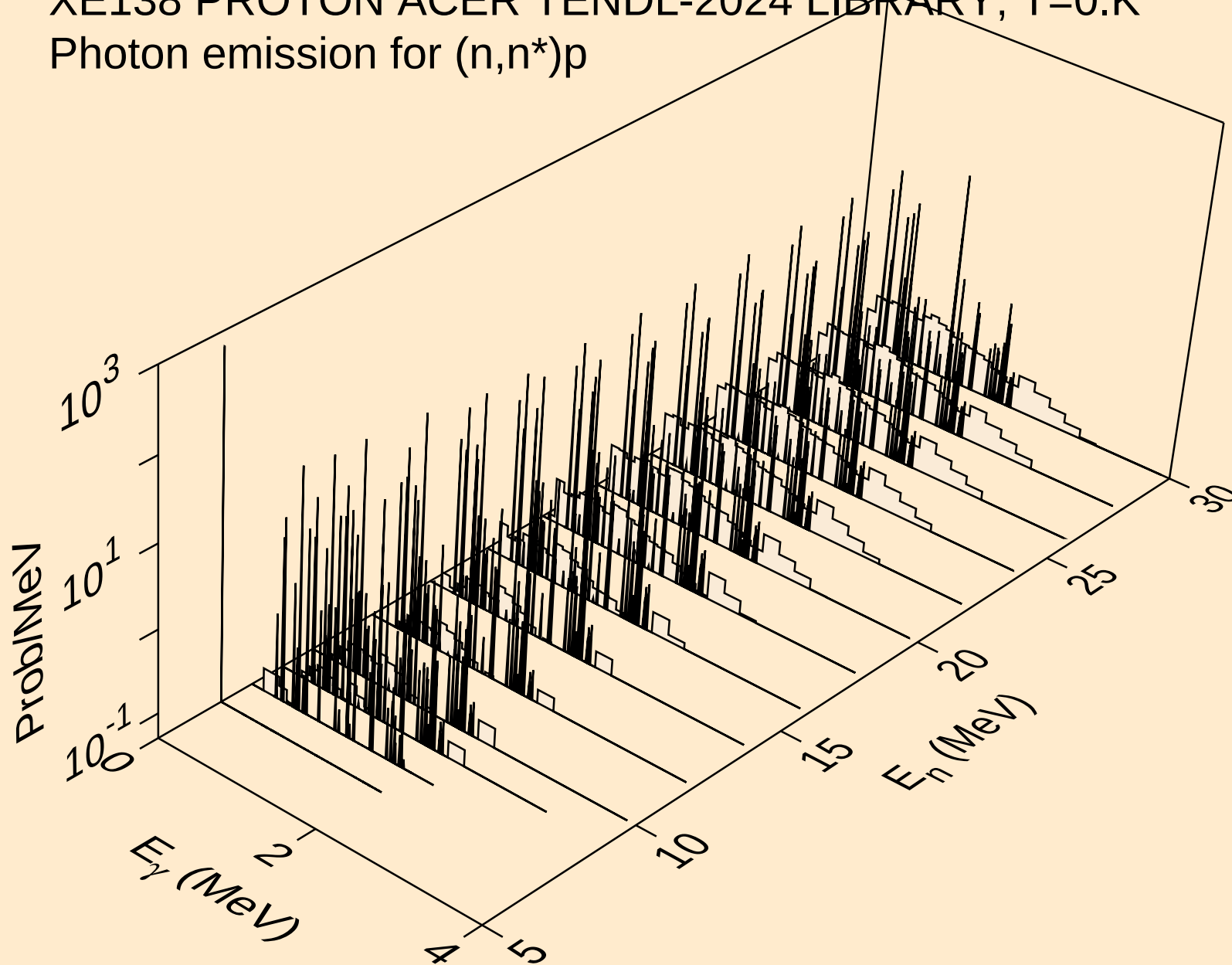
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n) α



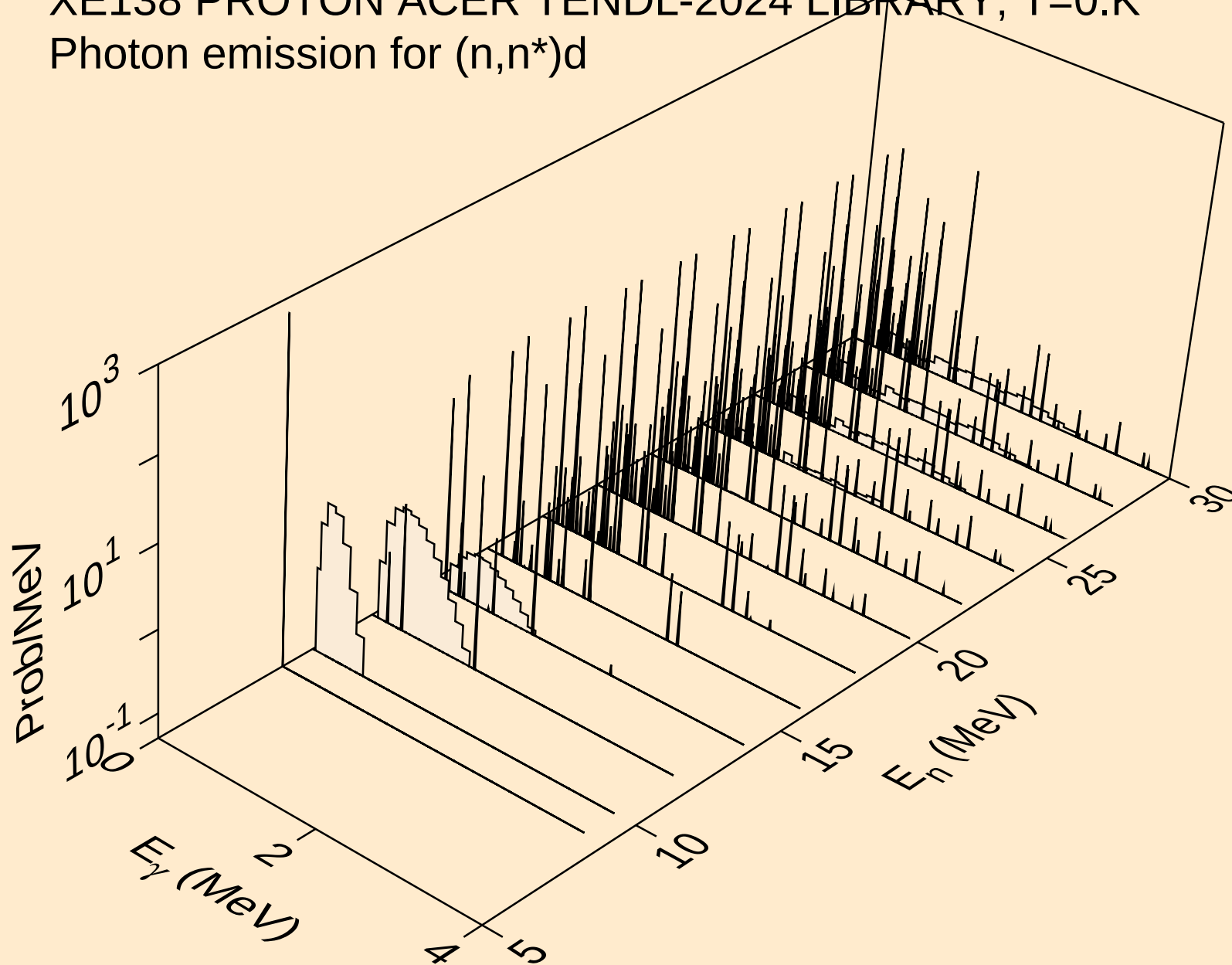
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)p



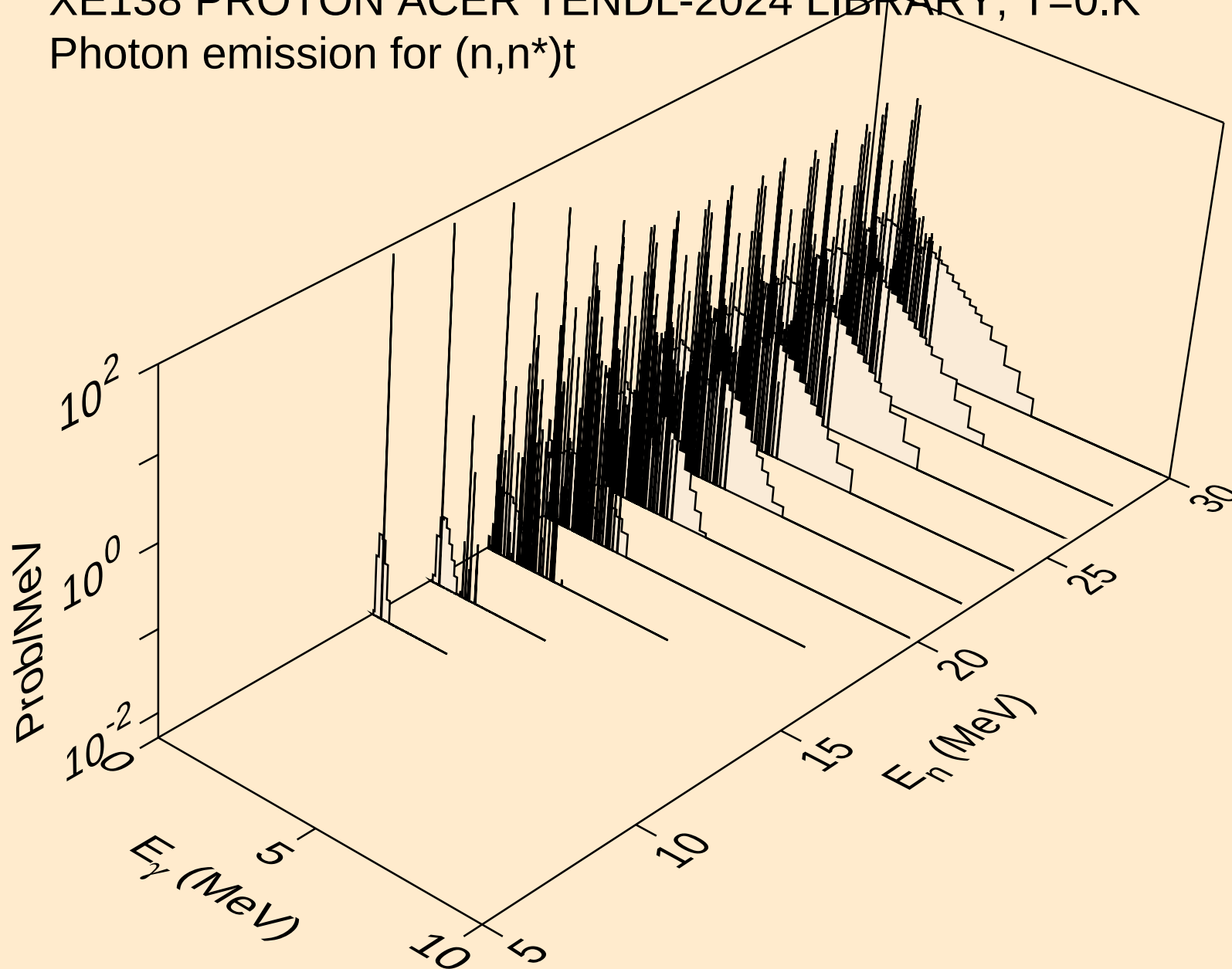
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$

Photon emission for $(n,n^*)d$



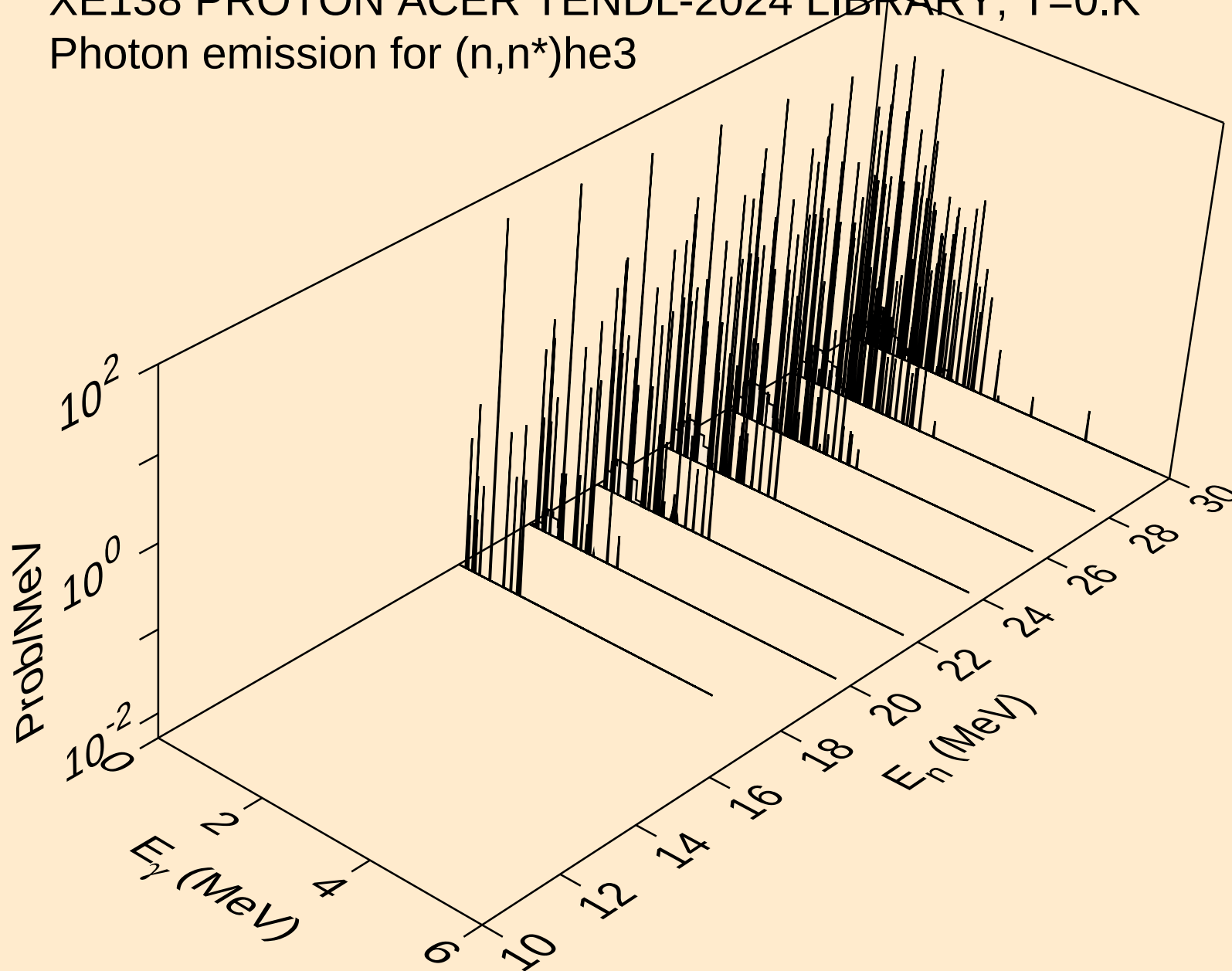
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$

Photon emission for $(n,n^*)t$

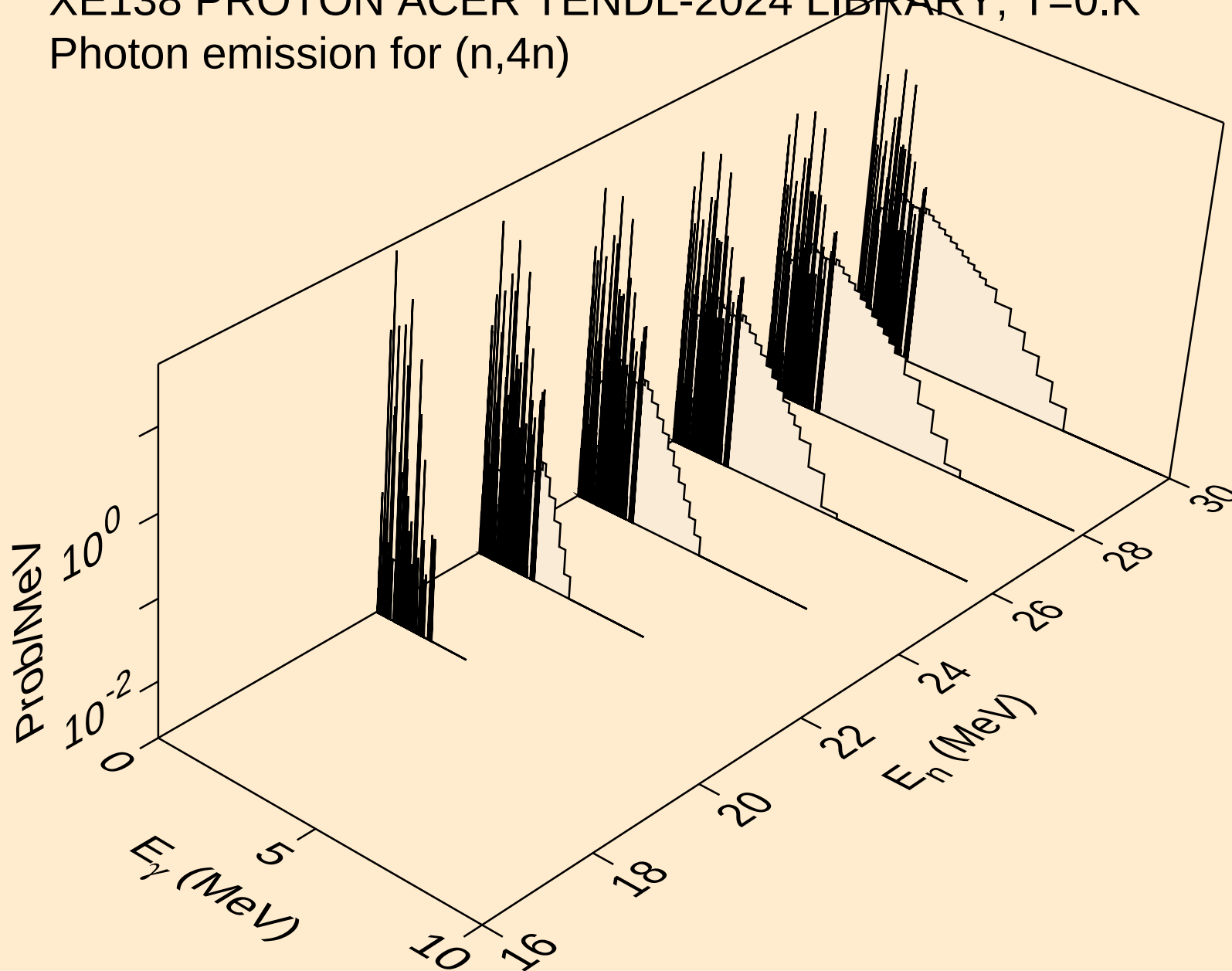


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

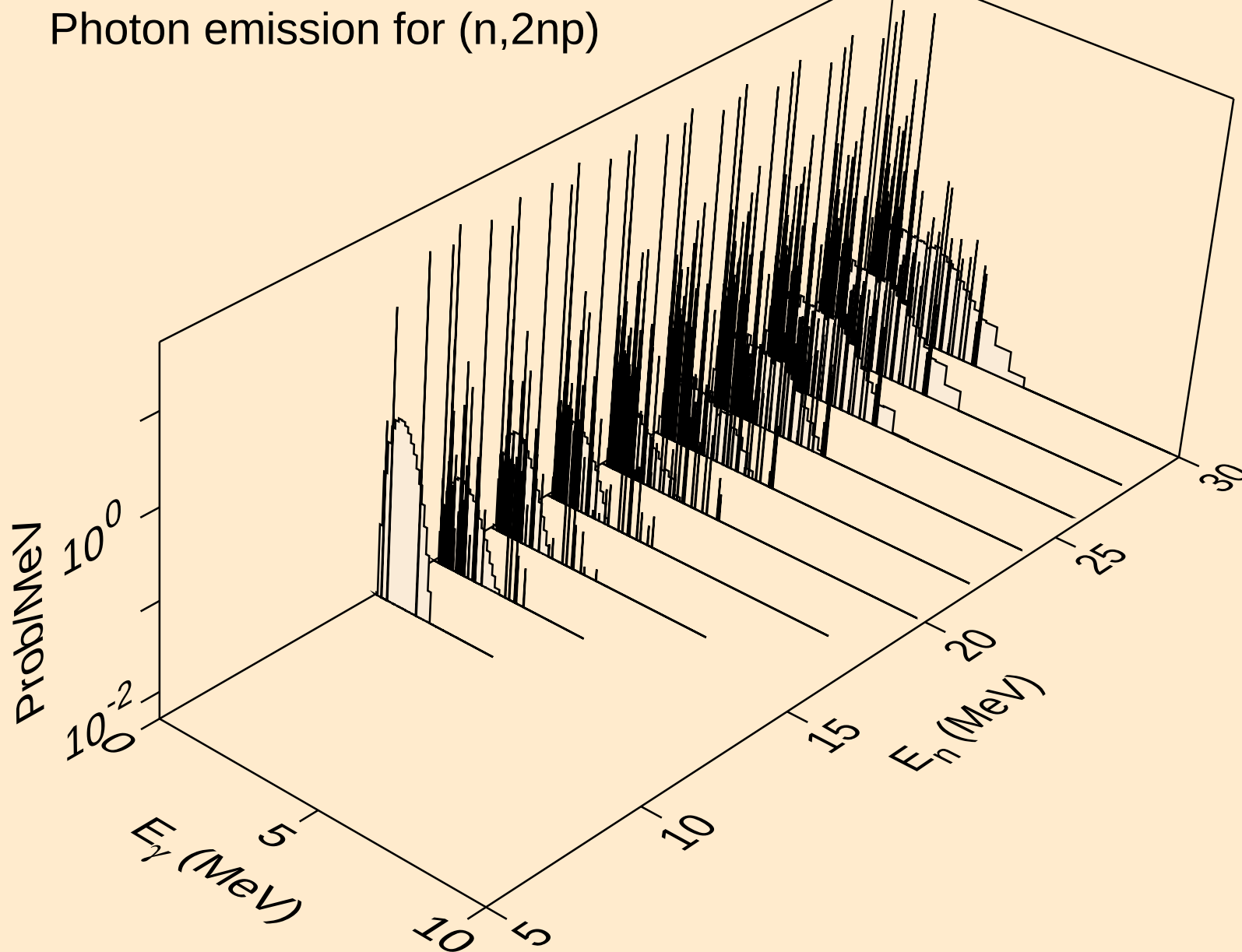
Photon emission for (n,n*)he3



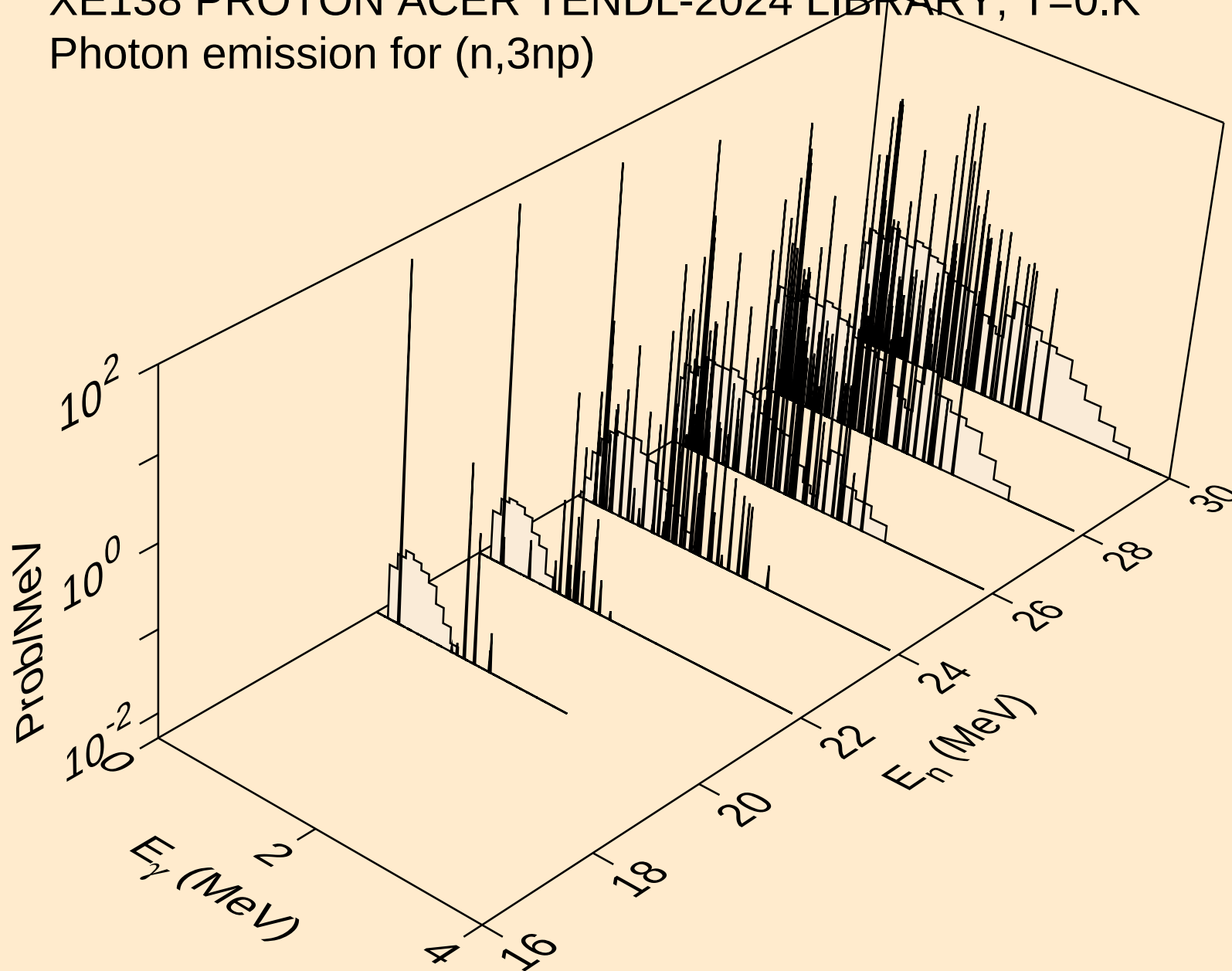
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,4n)



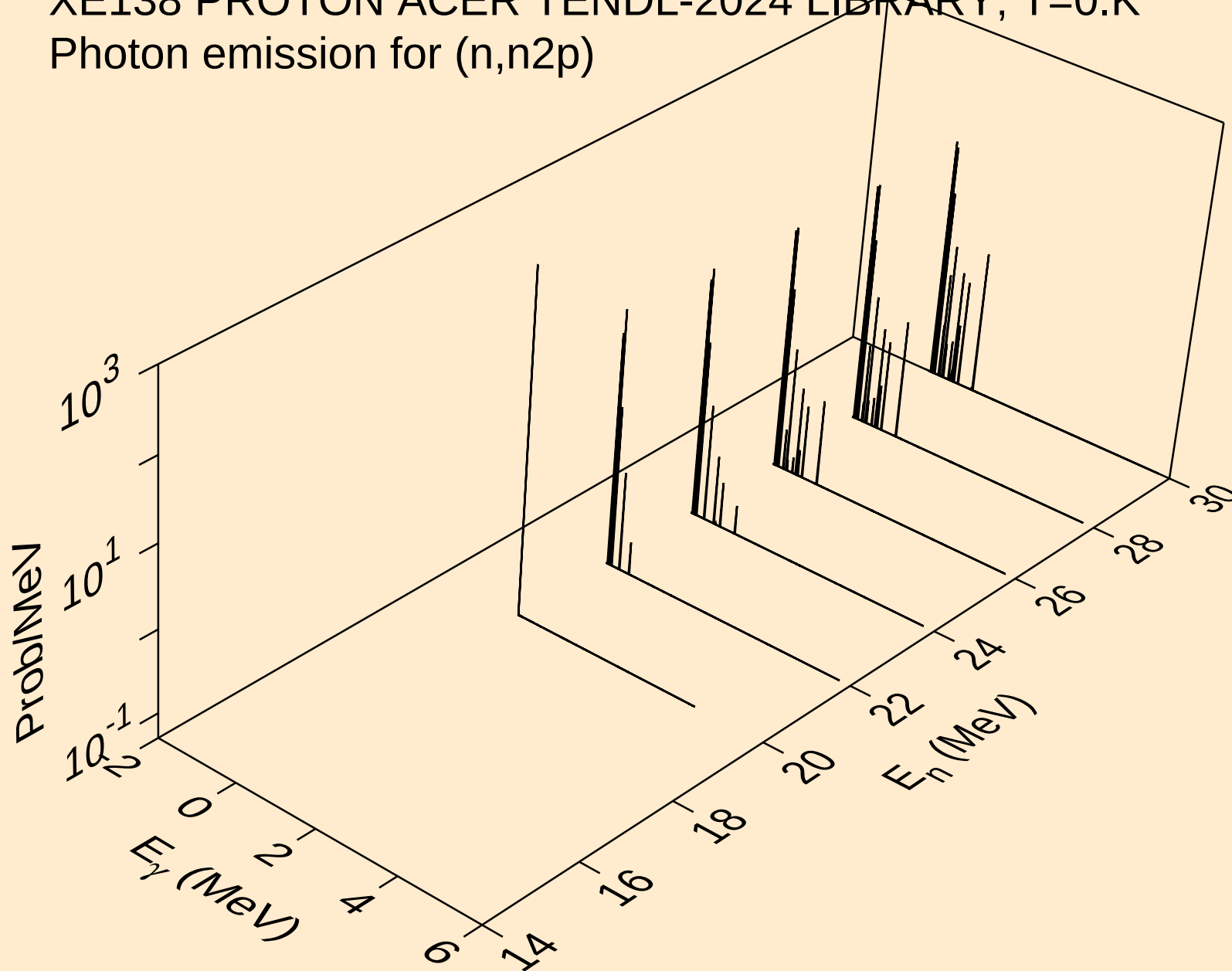
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2np)



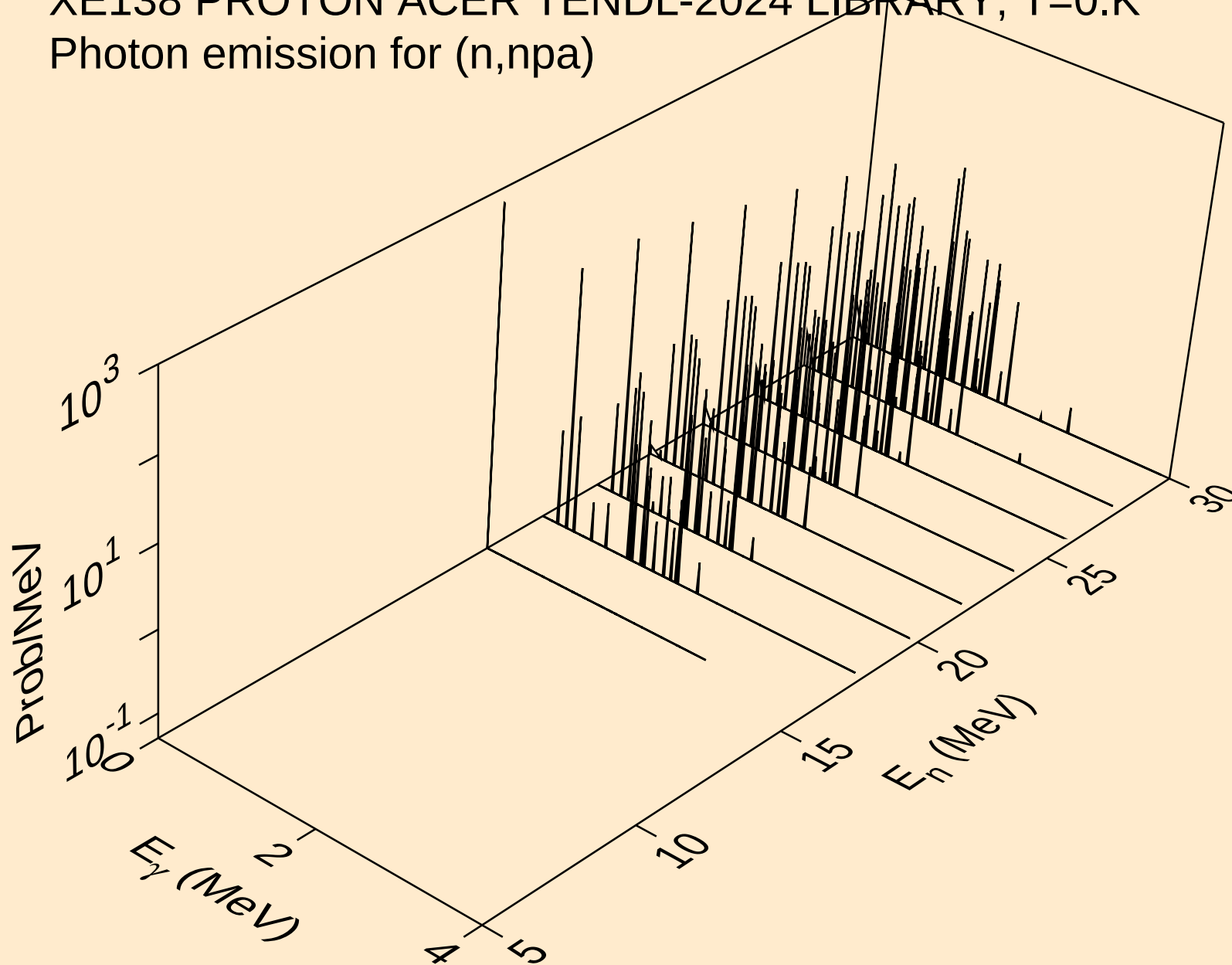
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,3np)



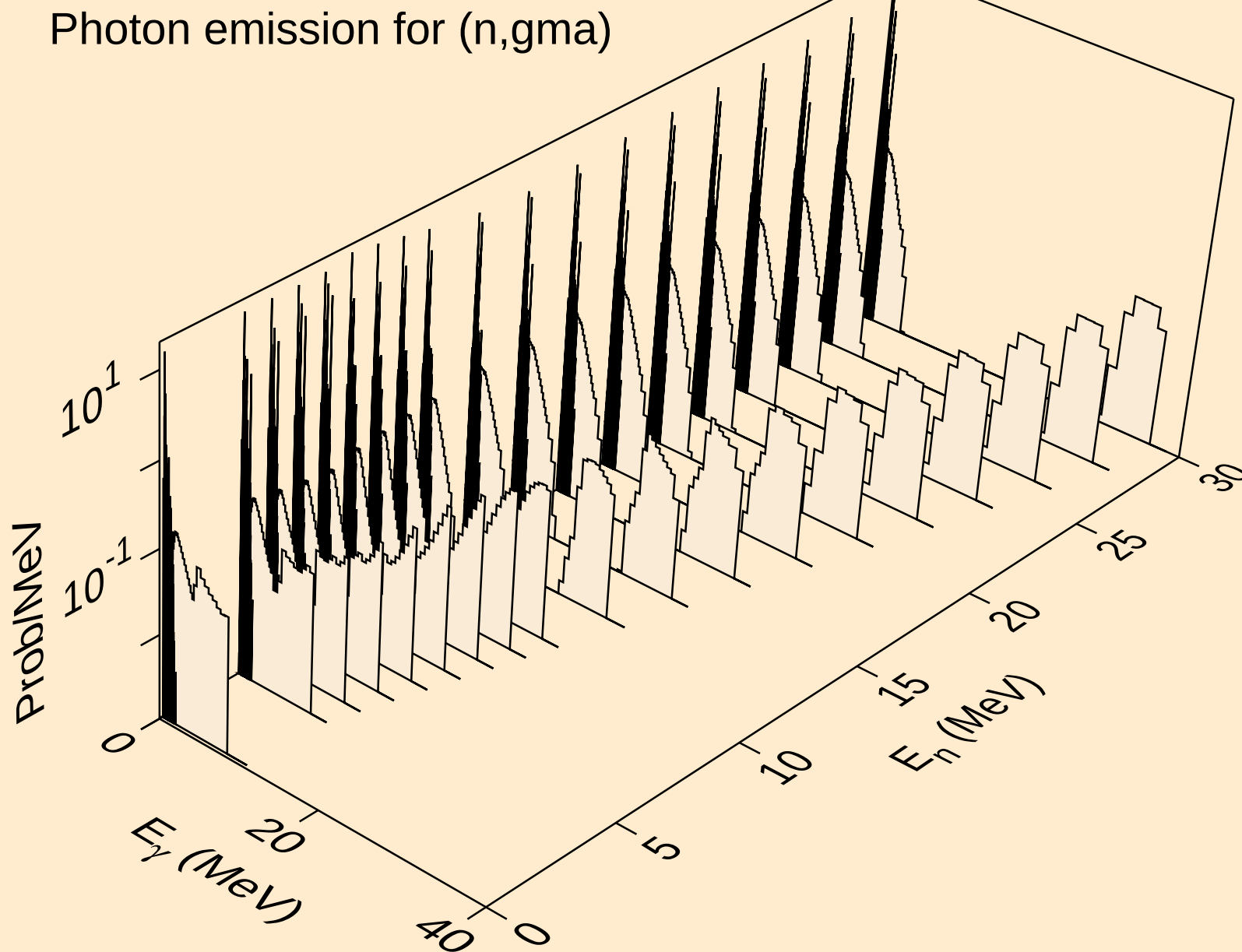
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



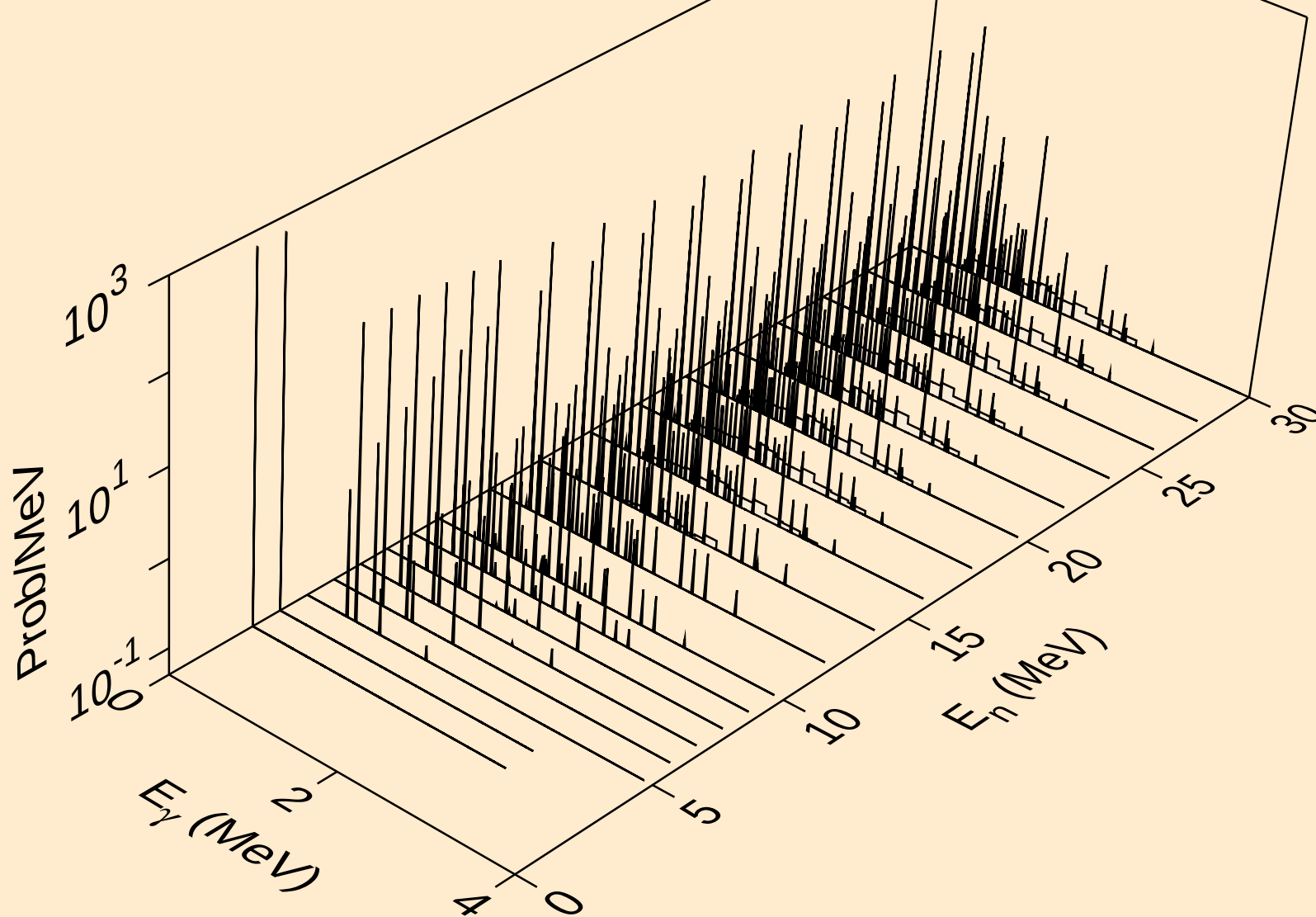
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,npa)



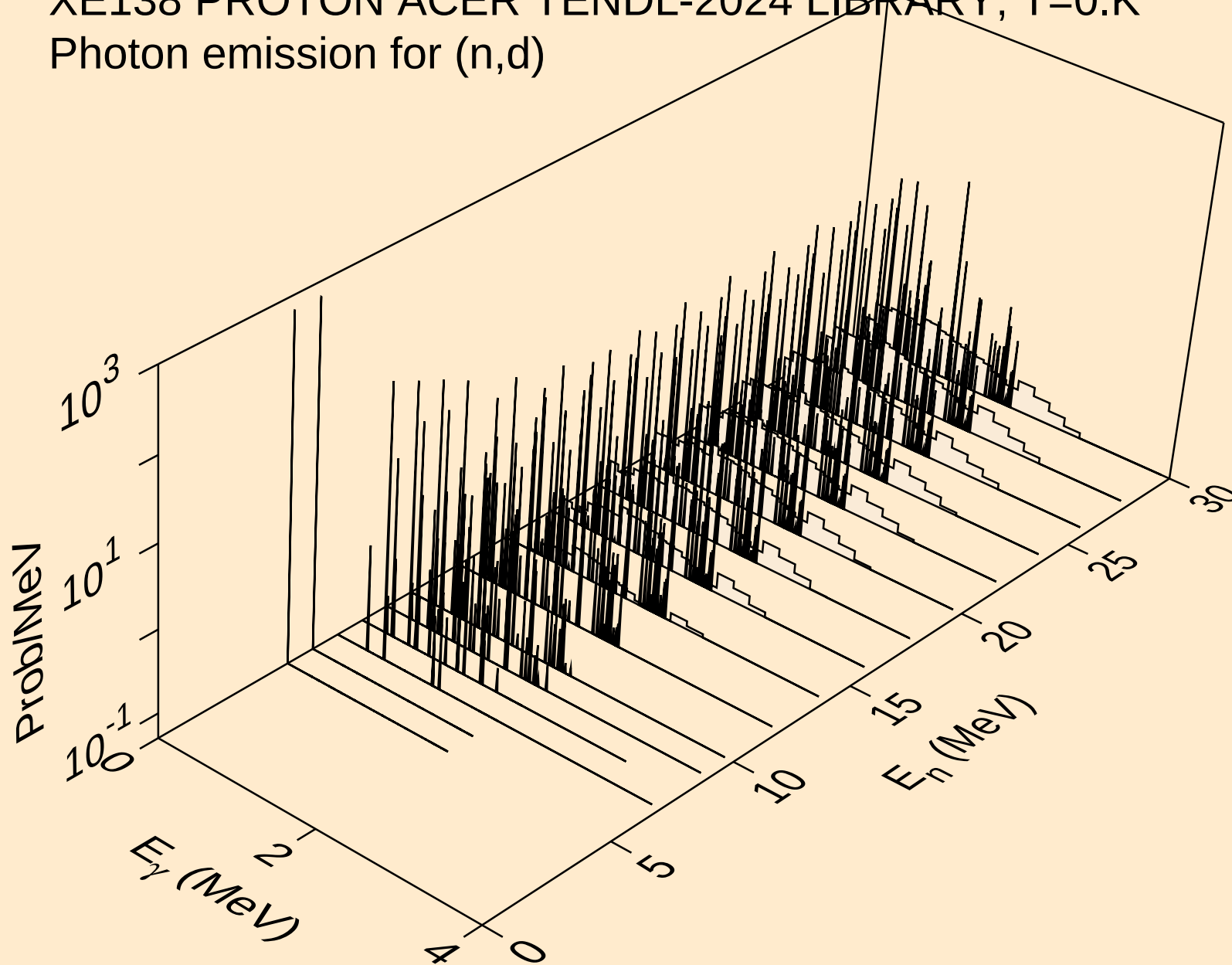
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,gma)



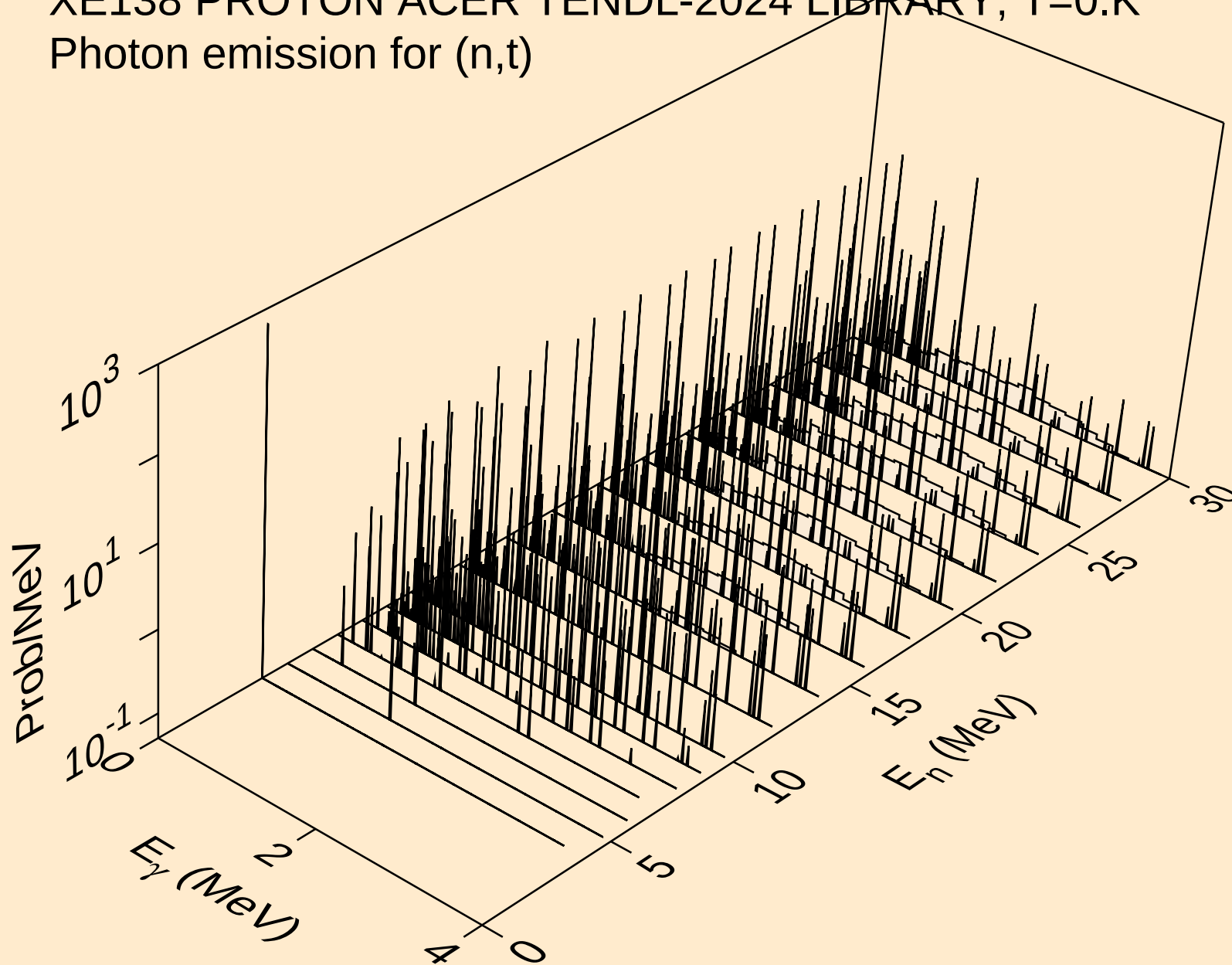
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for inelastic



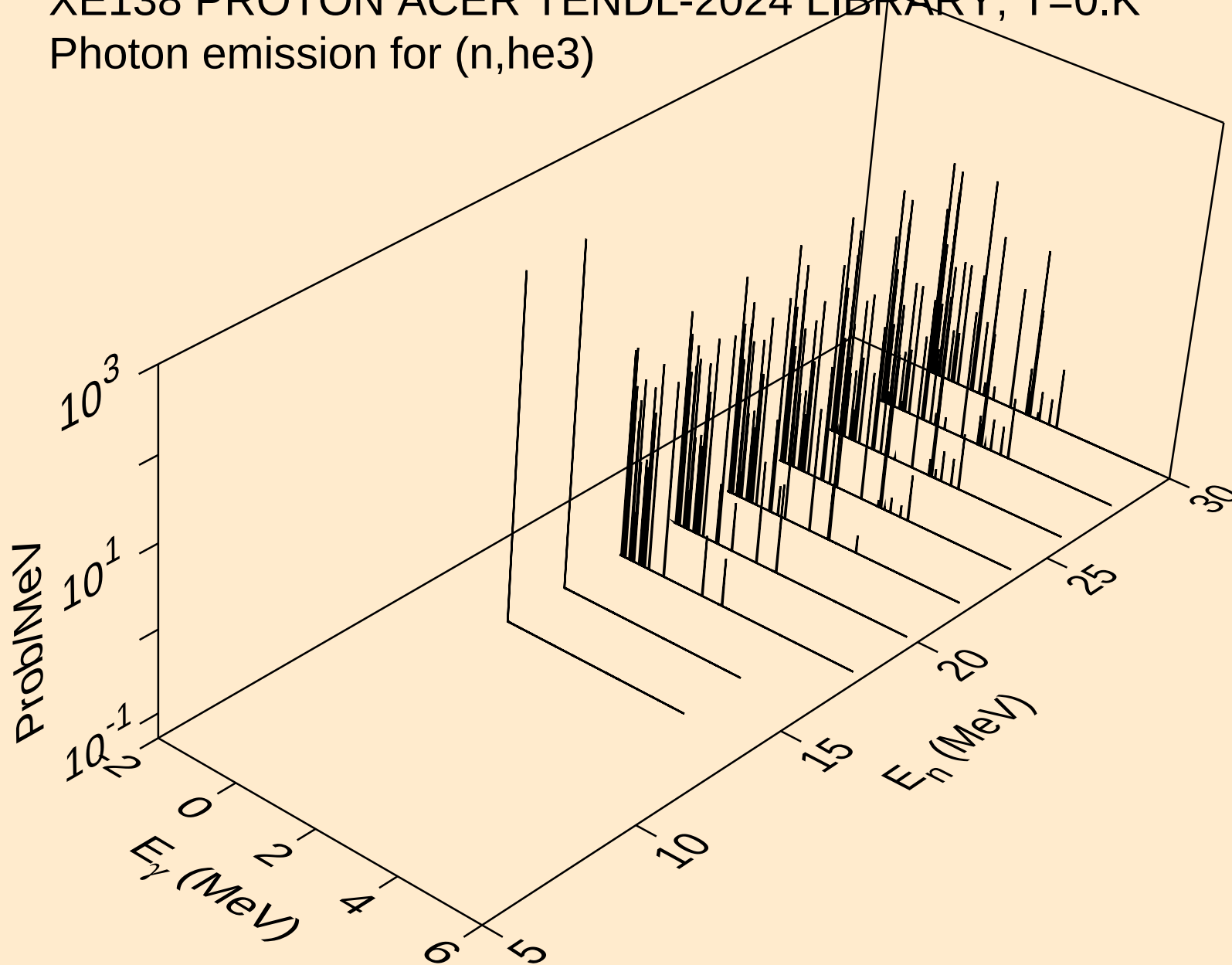
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,d)



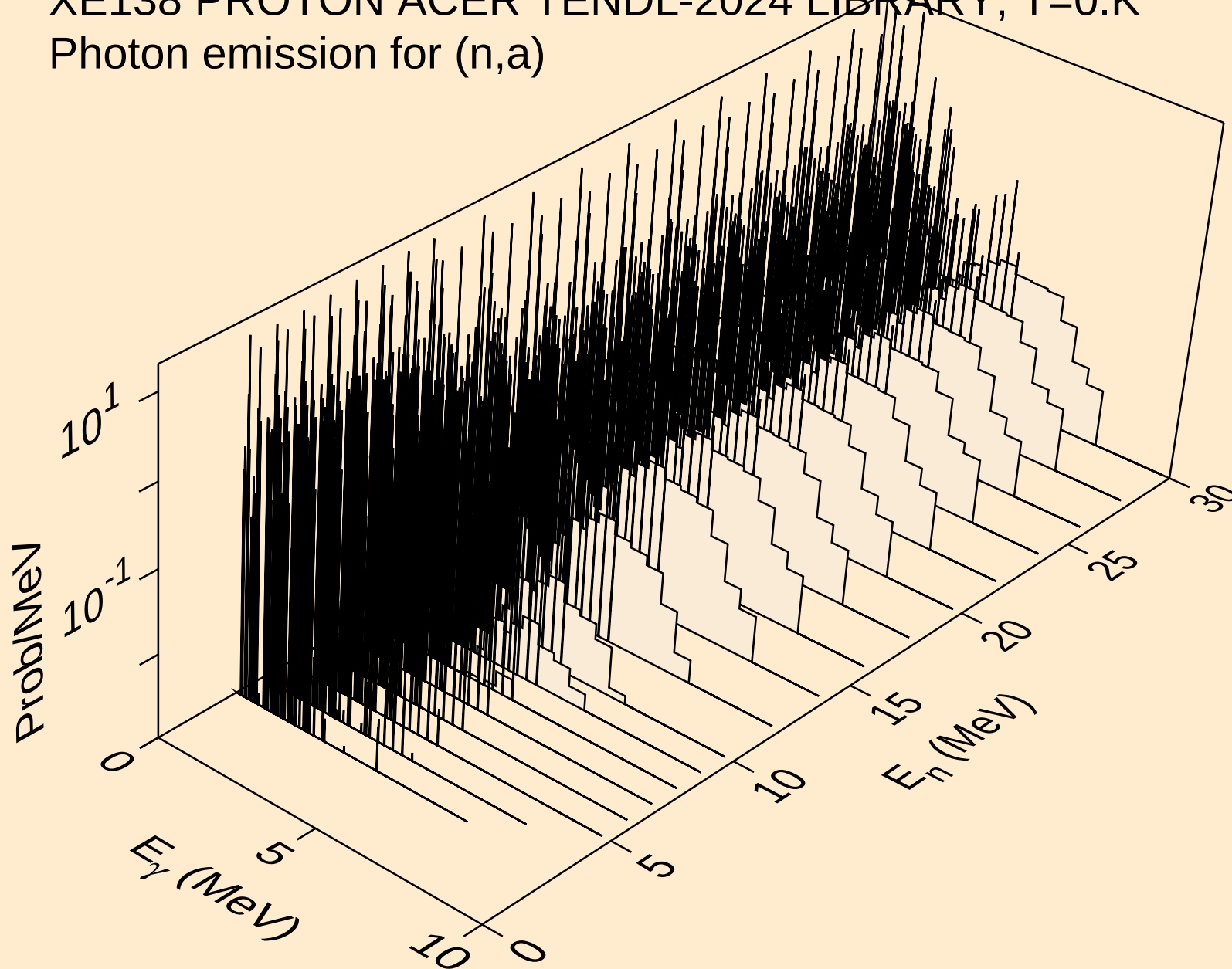
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,t)



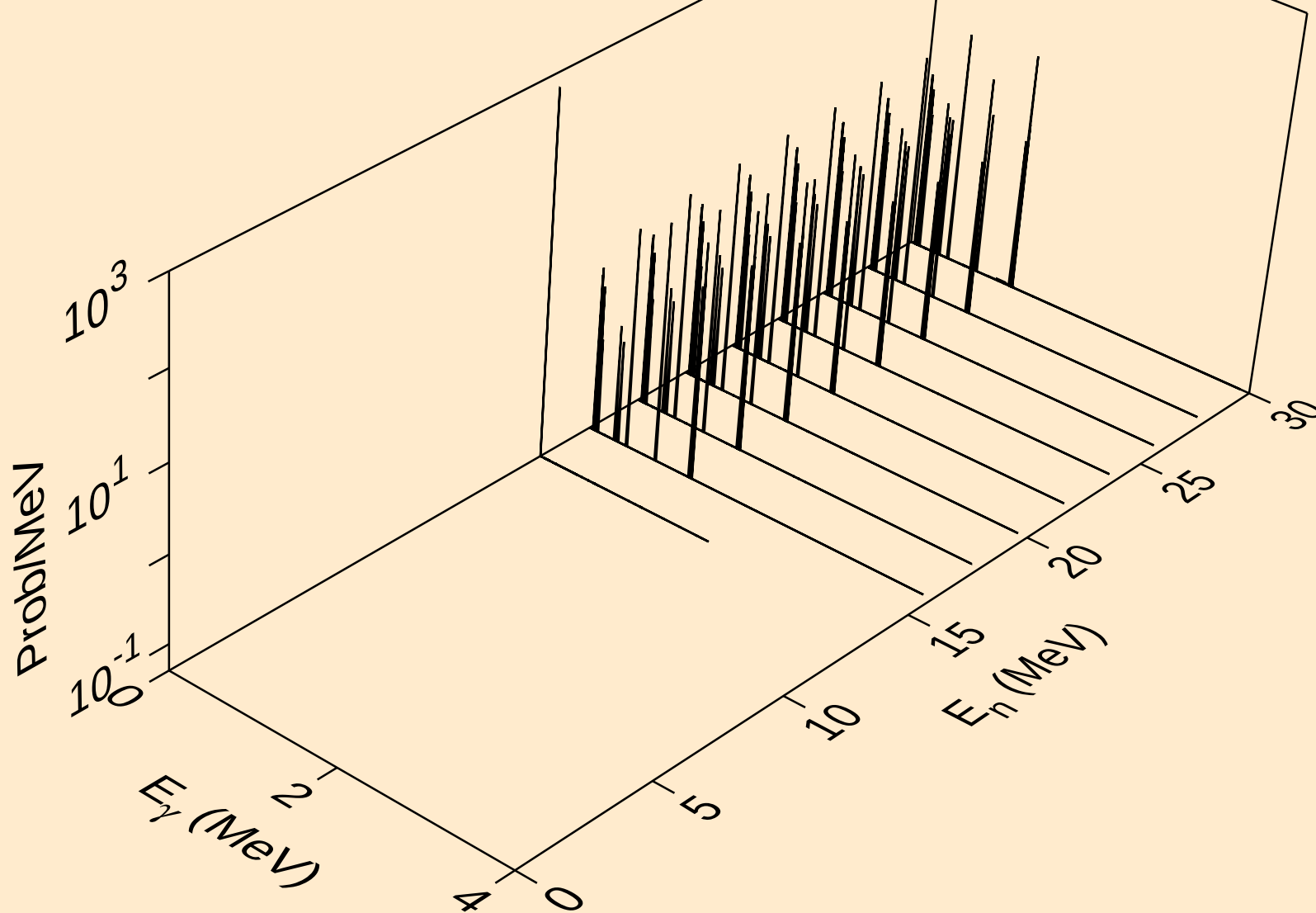
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)



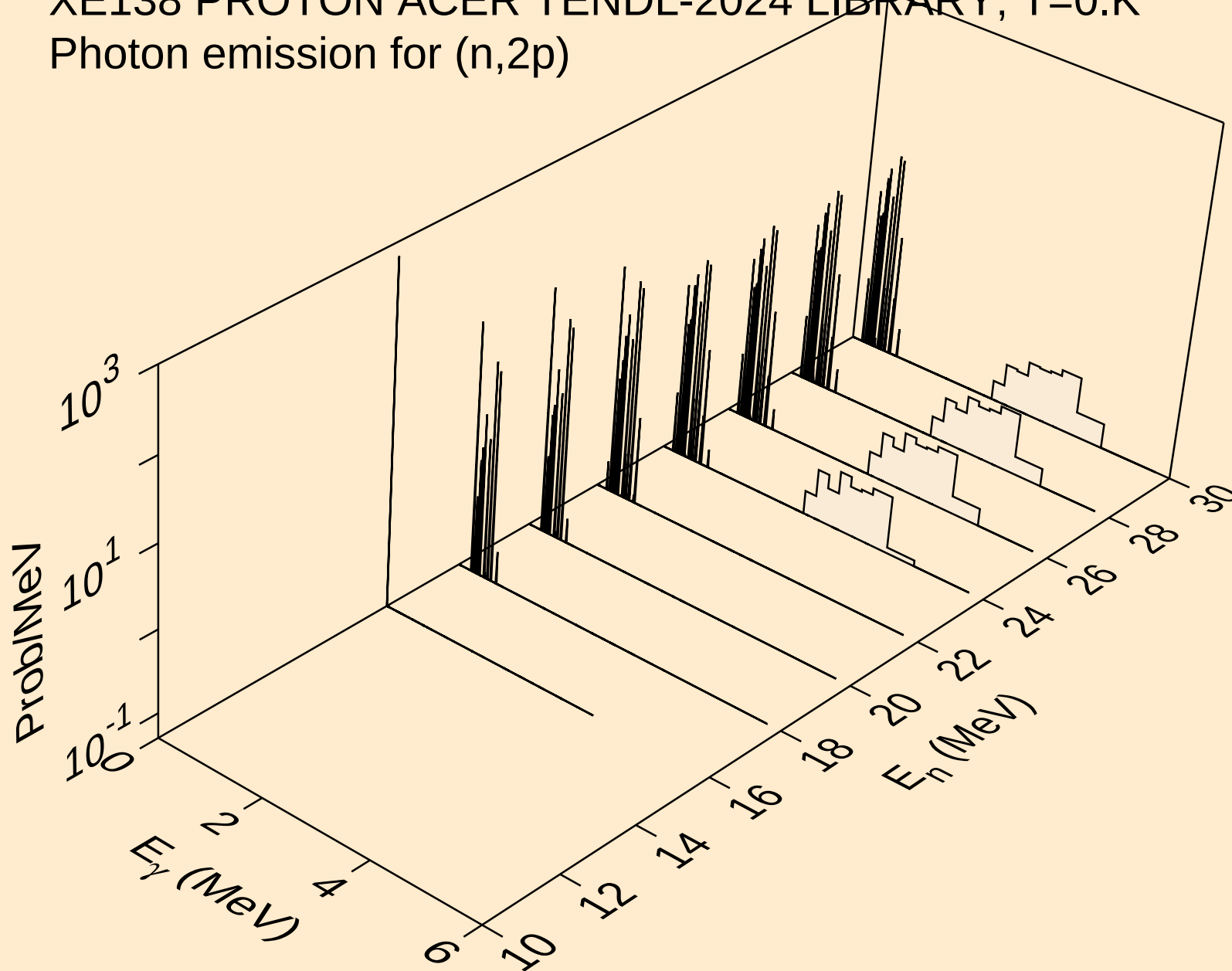
XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,a)



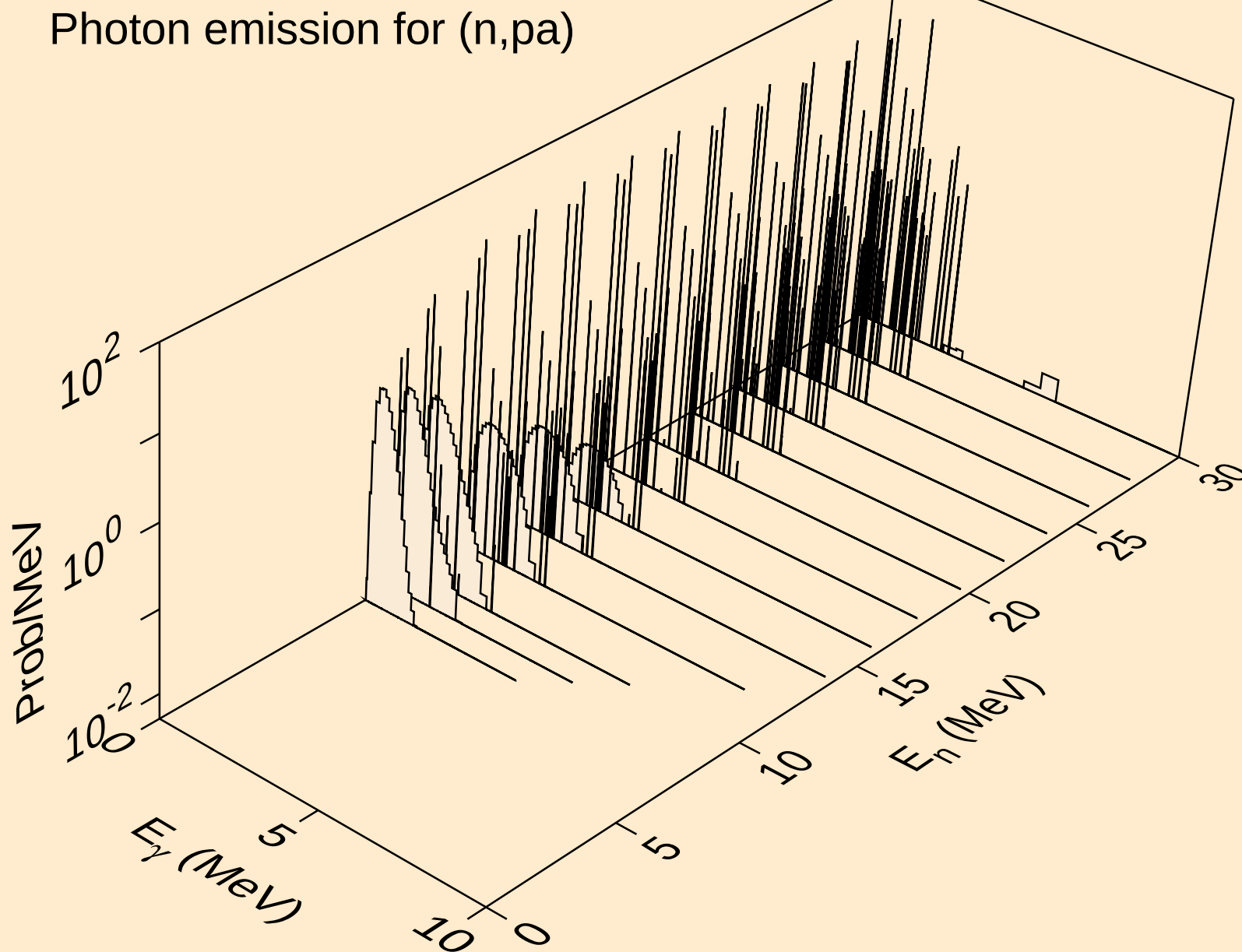
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2p)

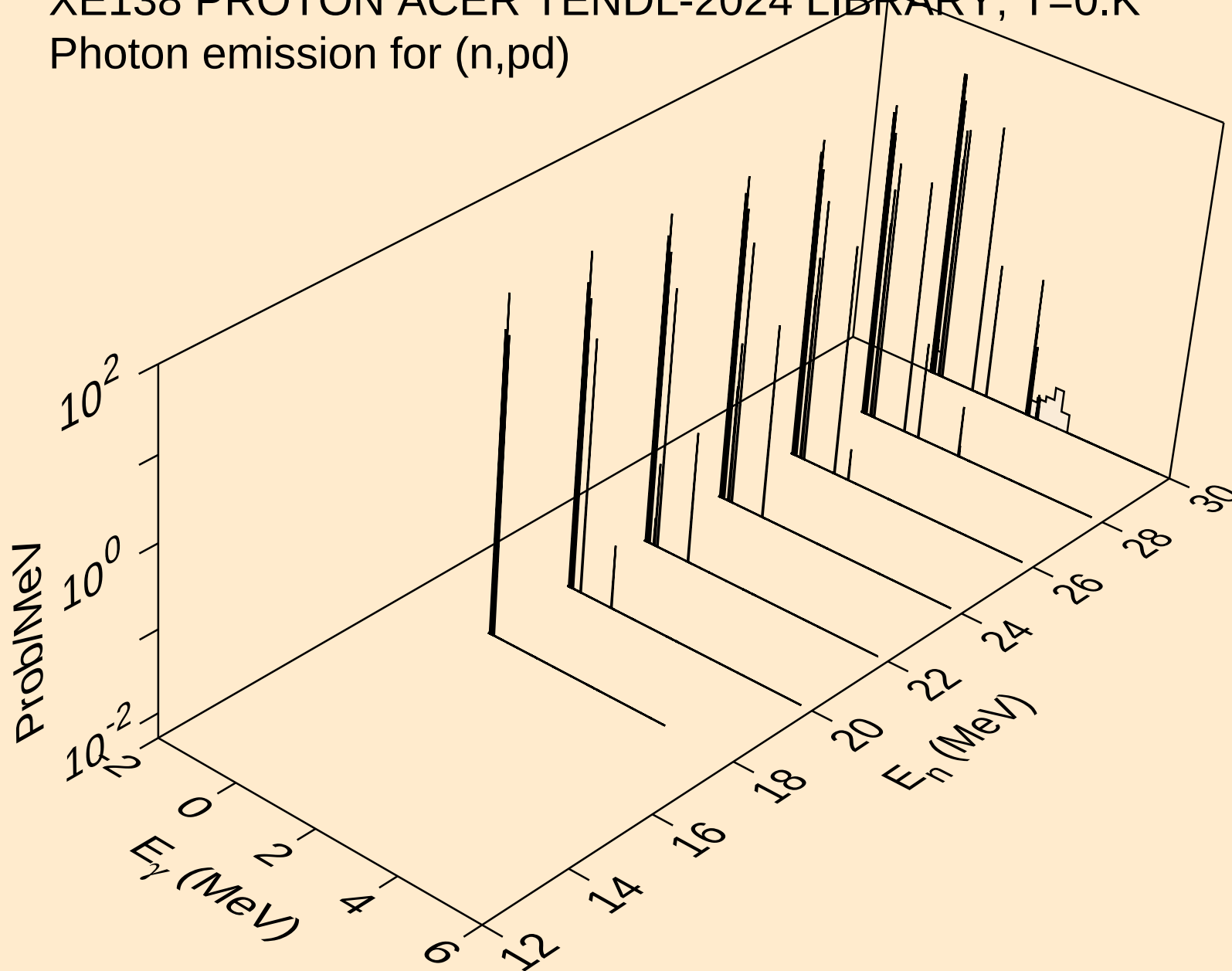


XE138 PROTON ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,p α)



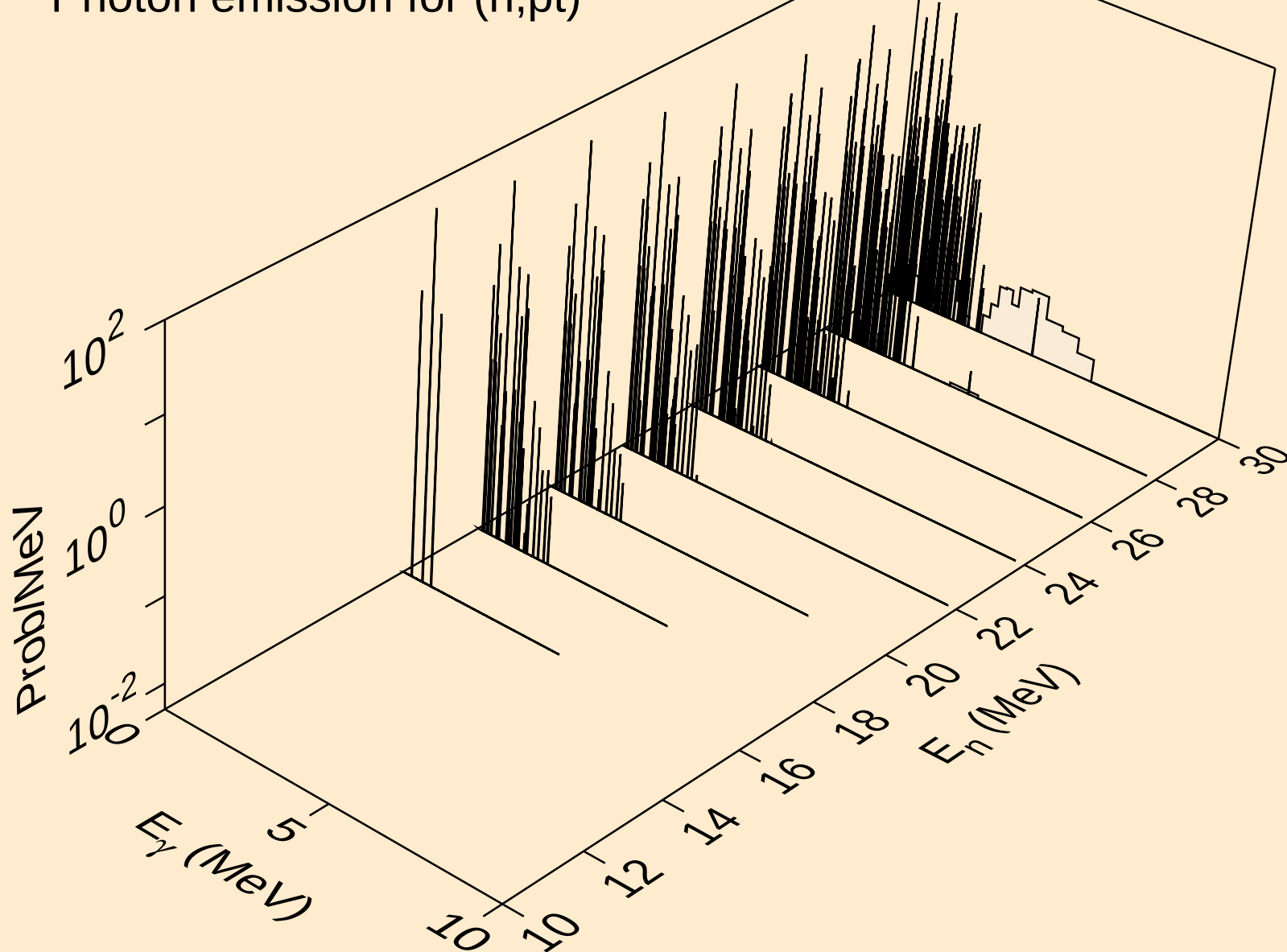
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pd)

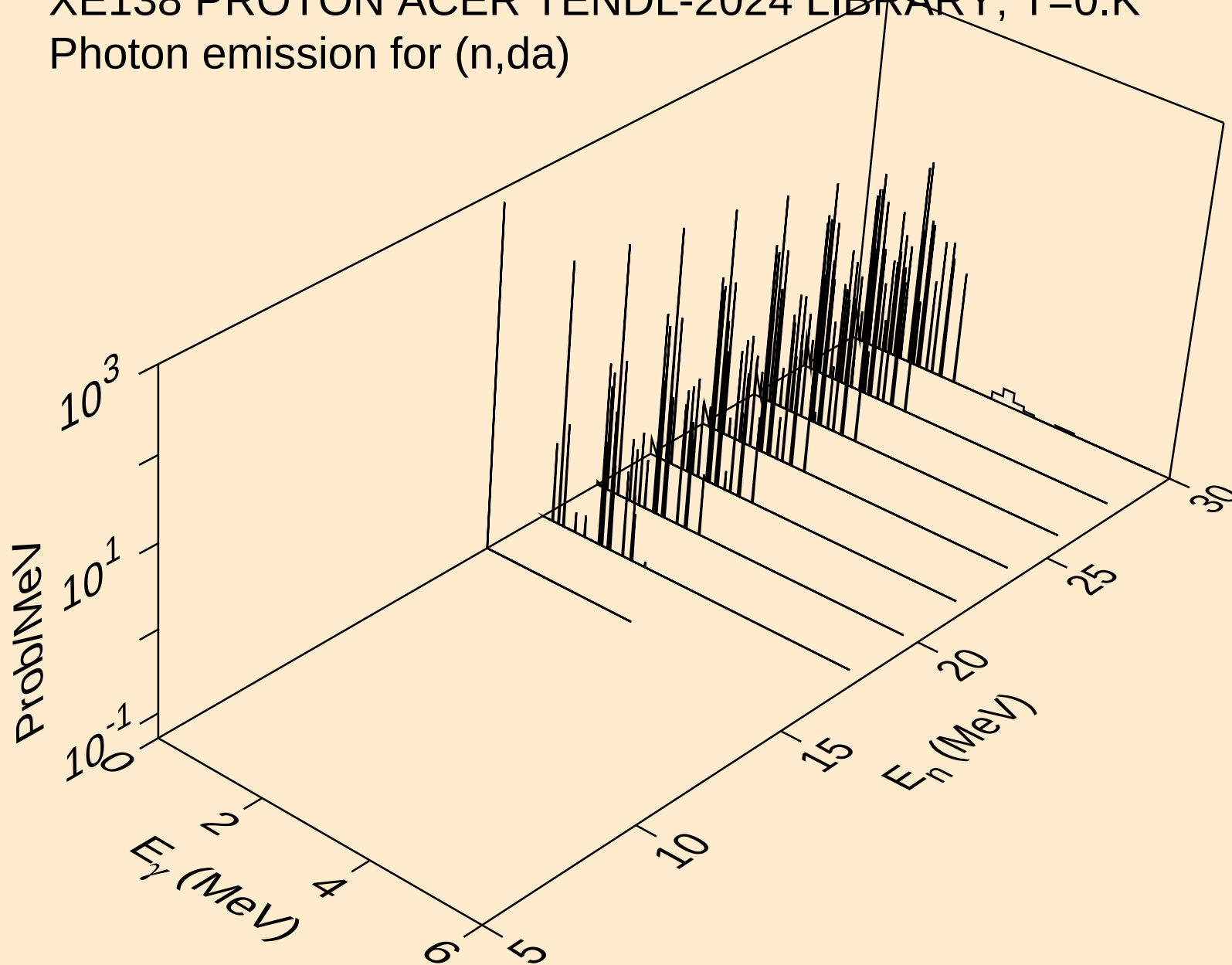


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

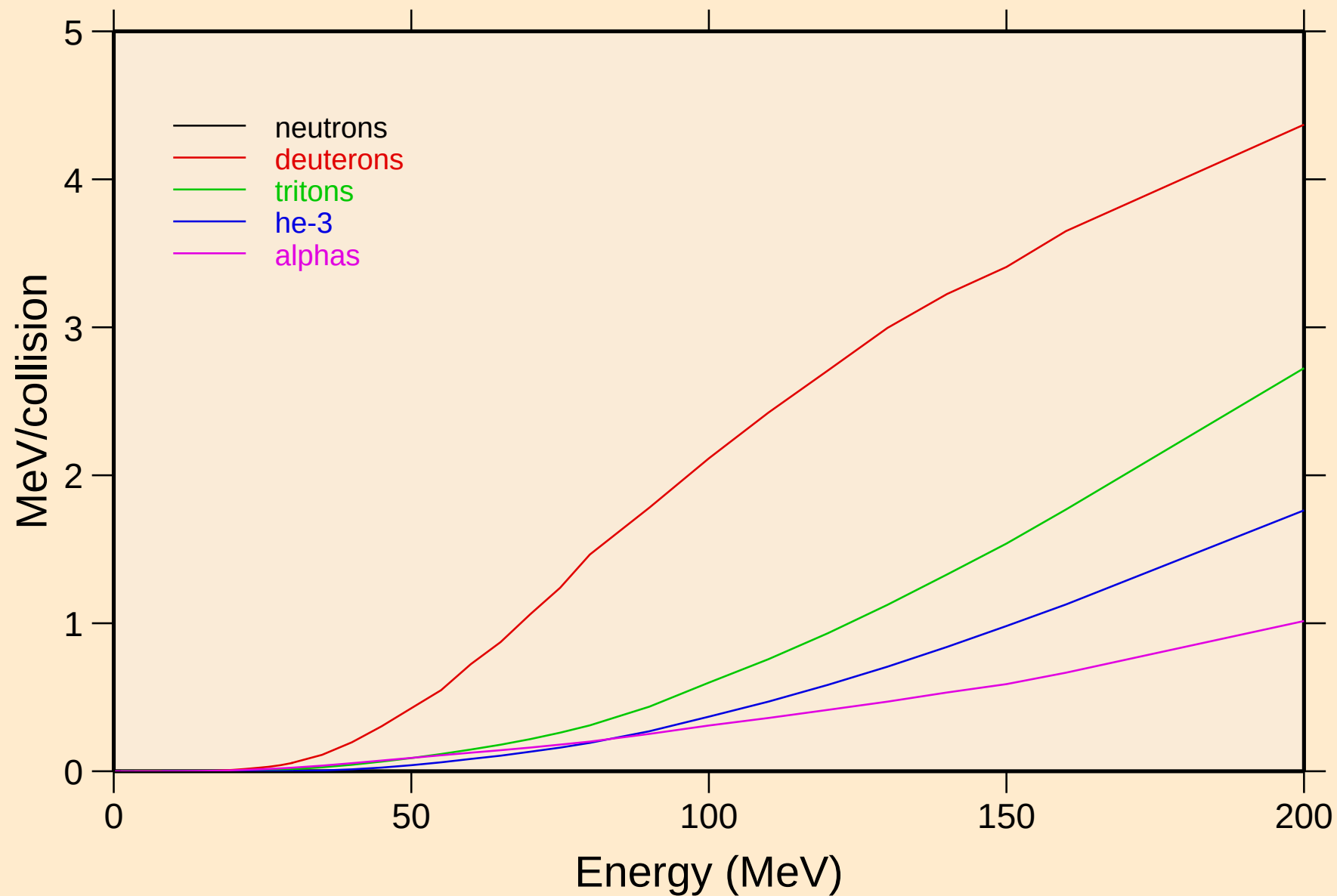


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)



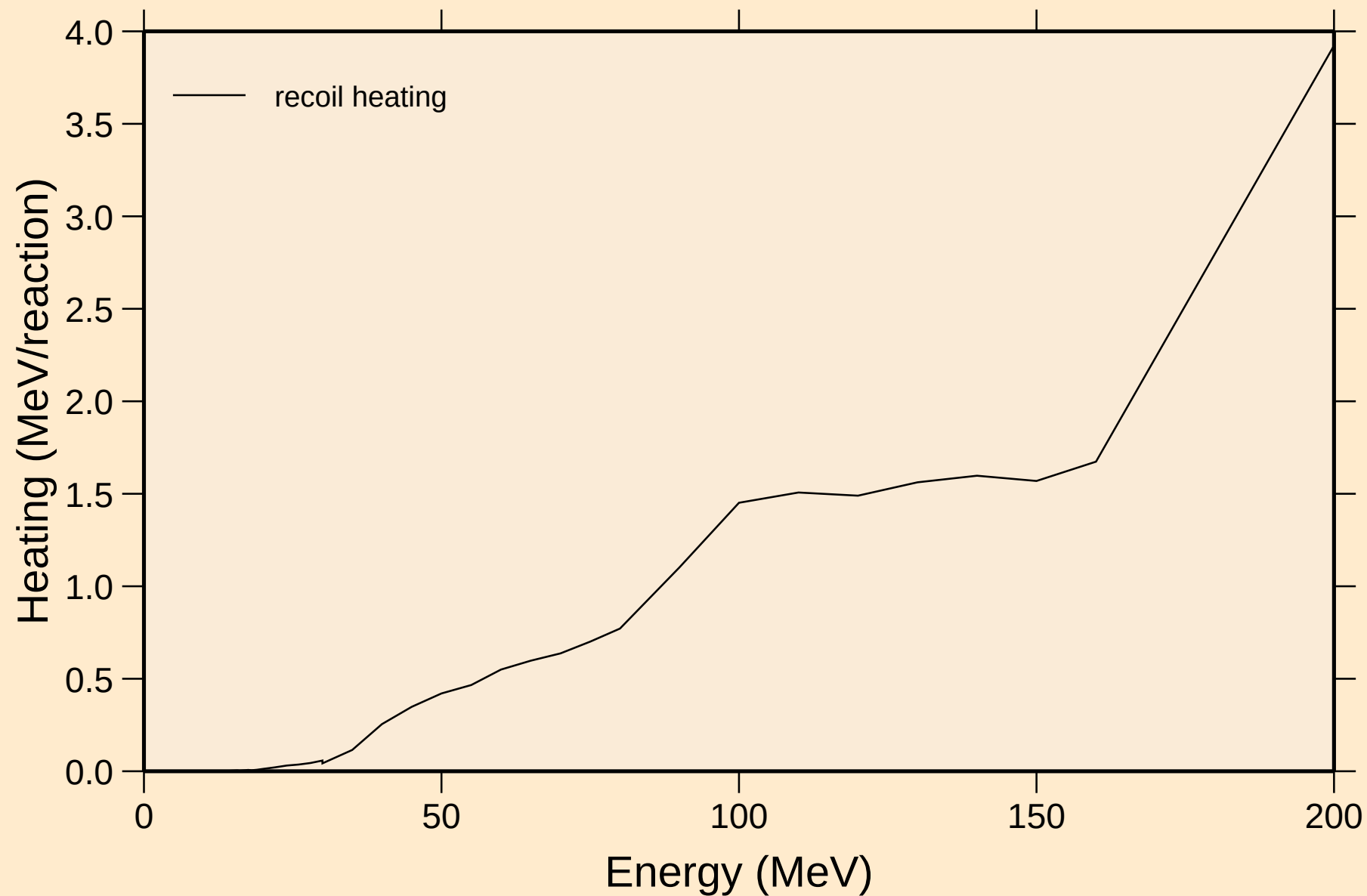
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions



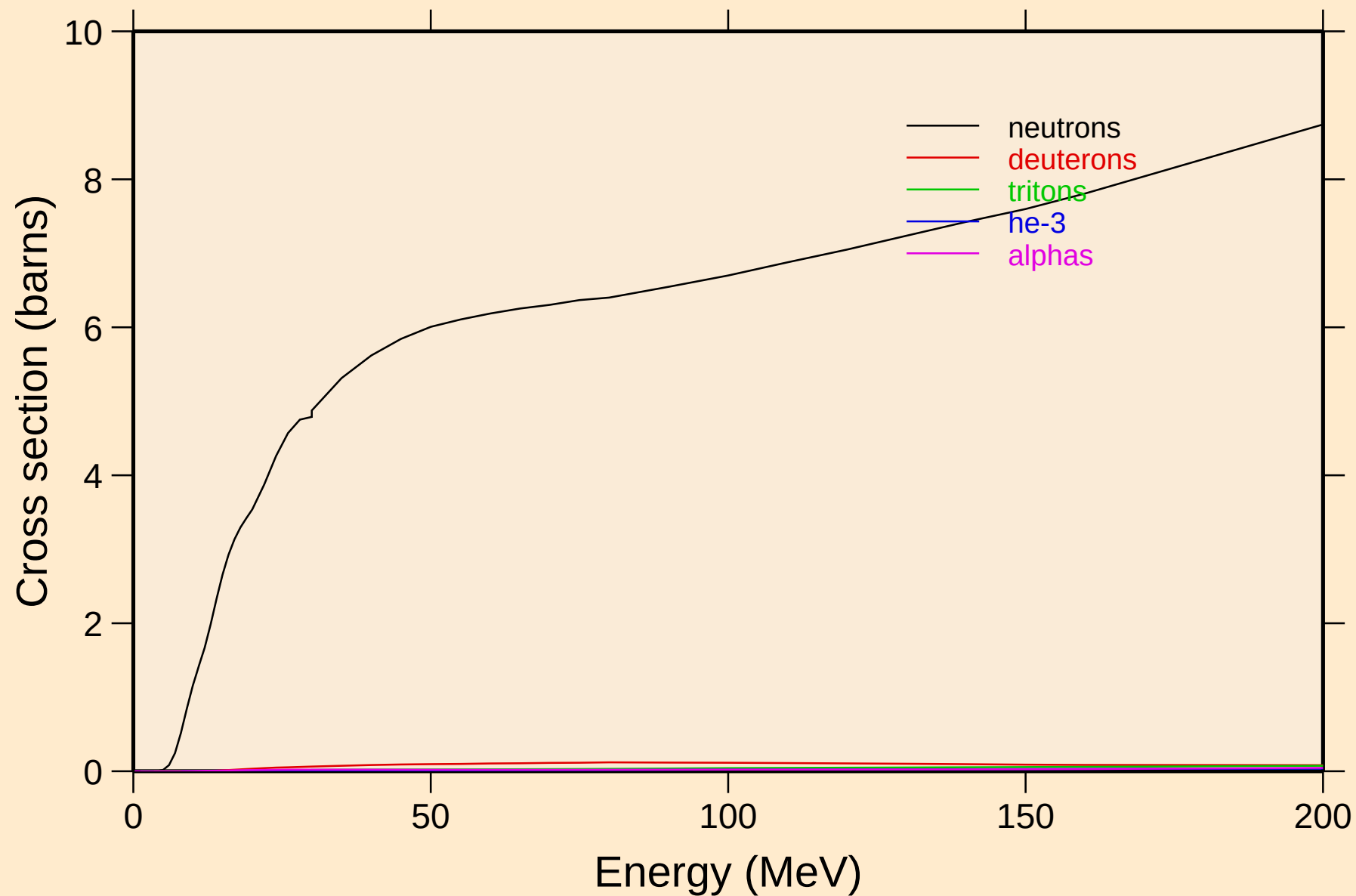
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

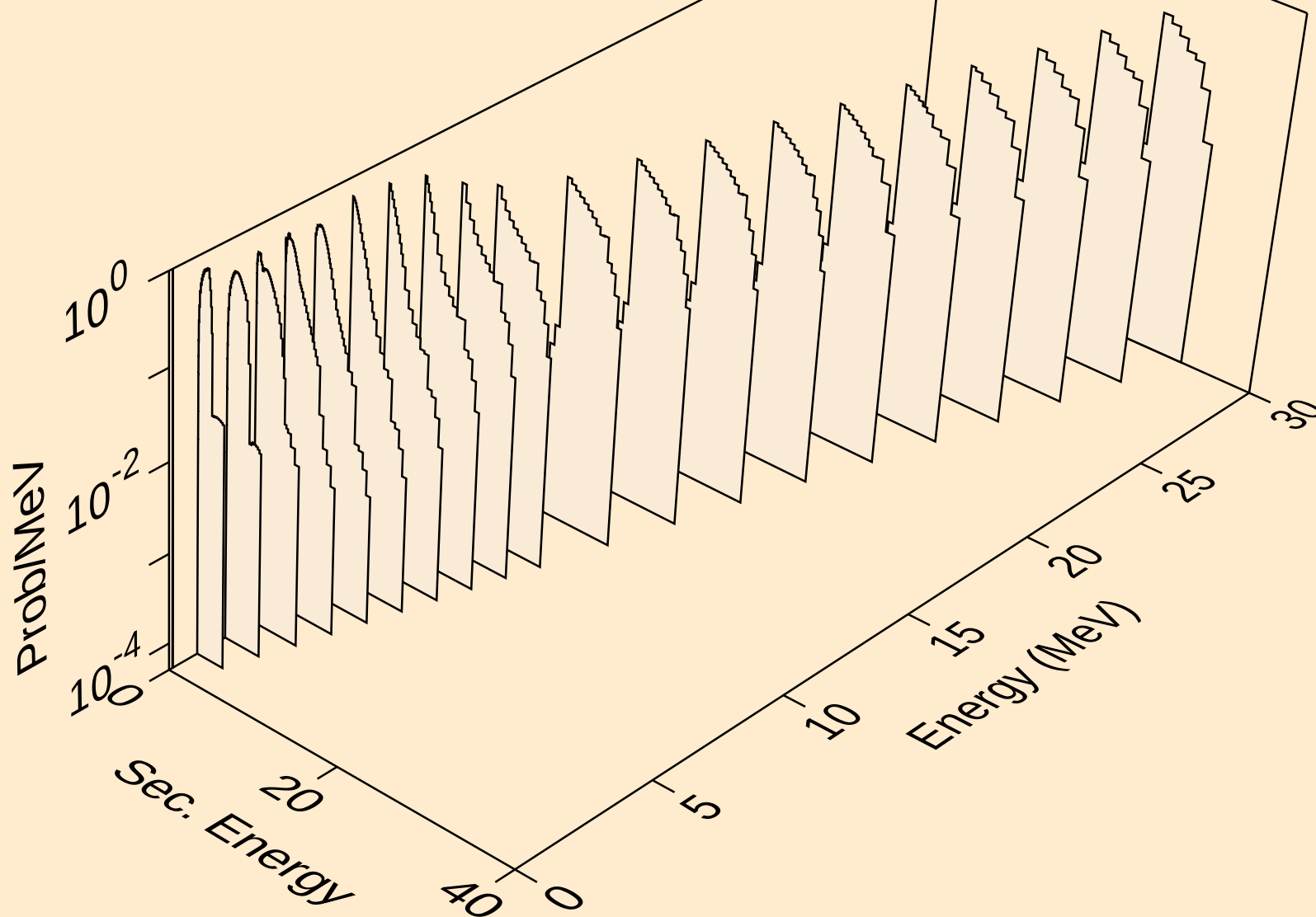


XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K

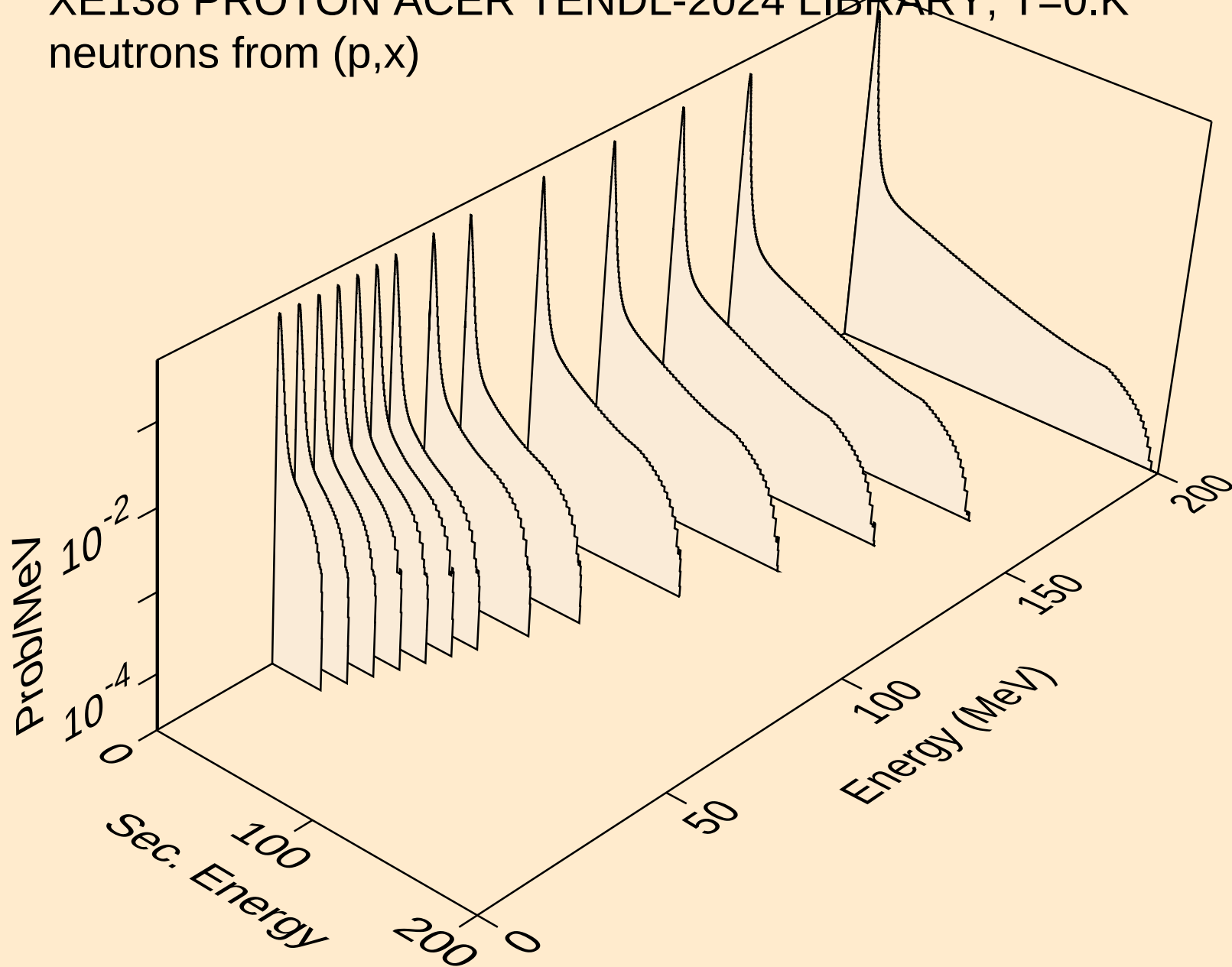
Particle production cross sections



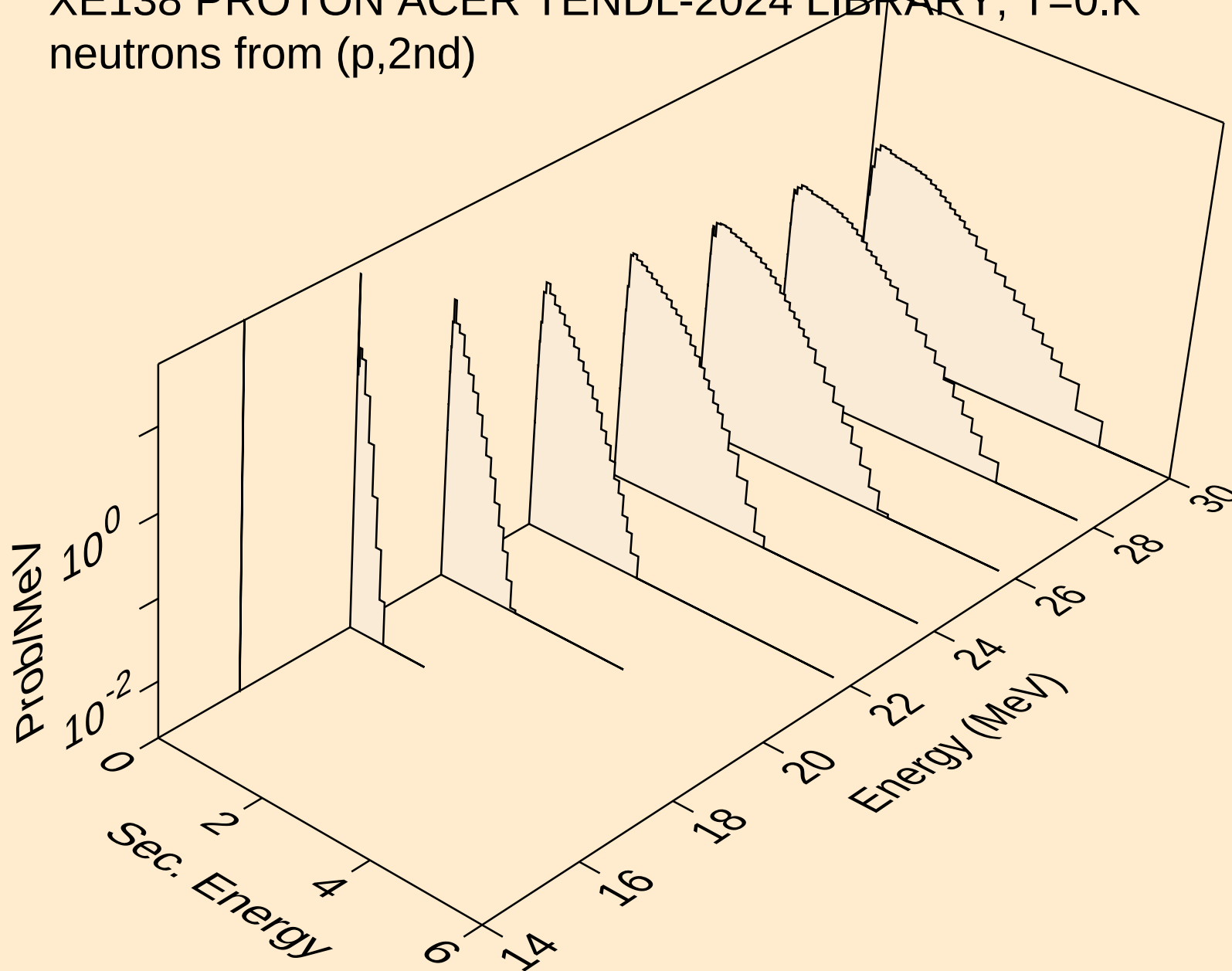
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n)



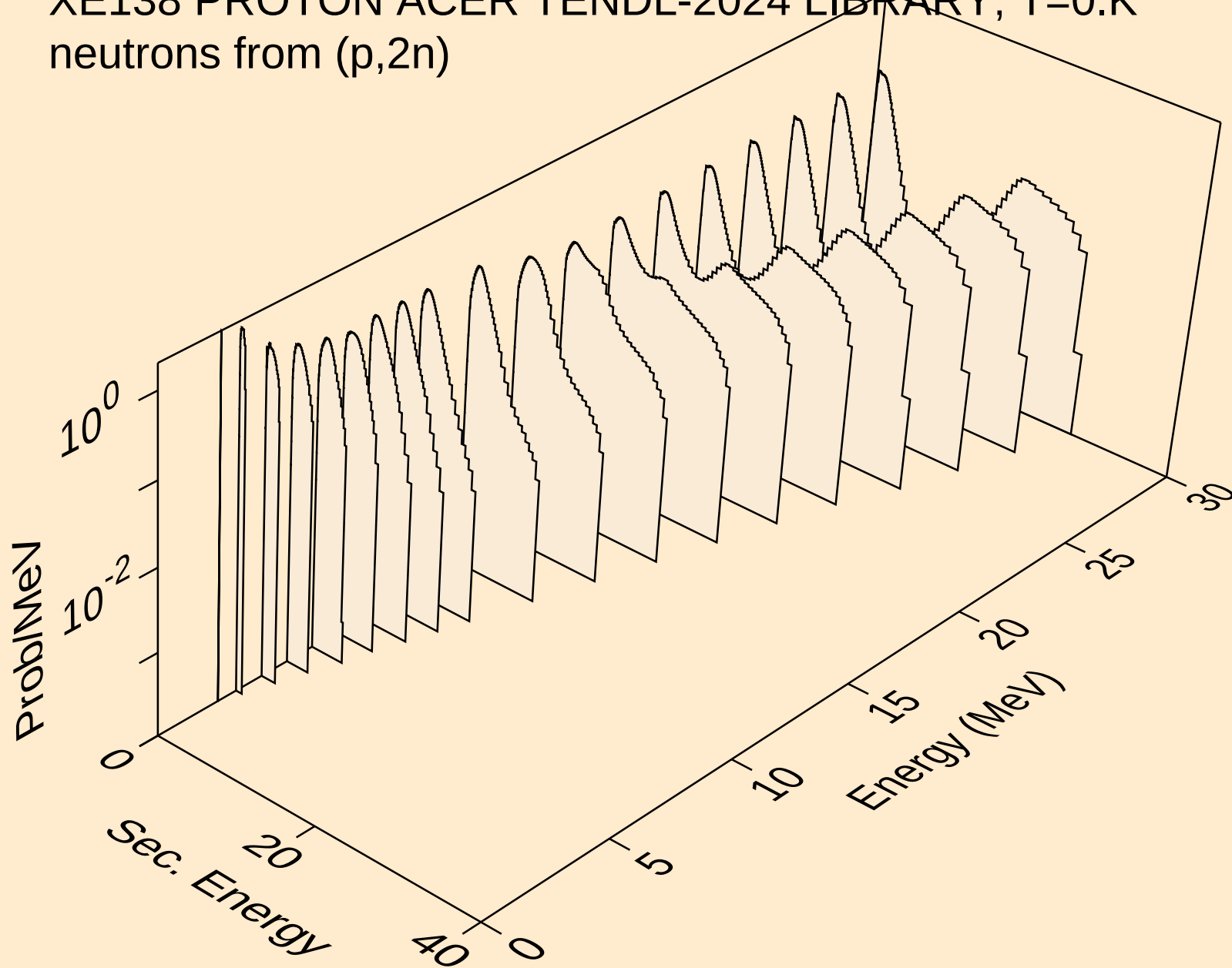
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,x)



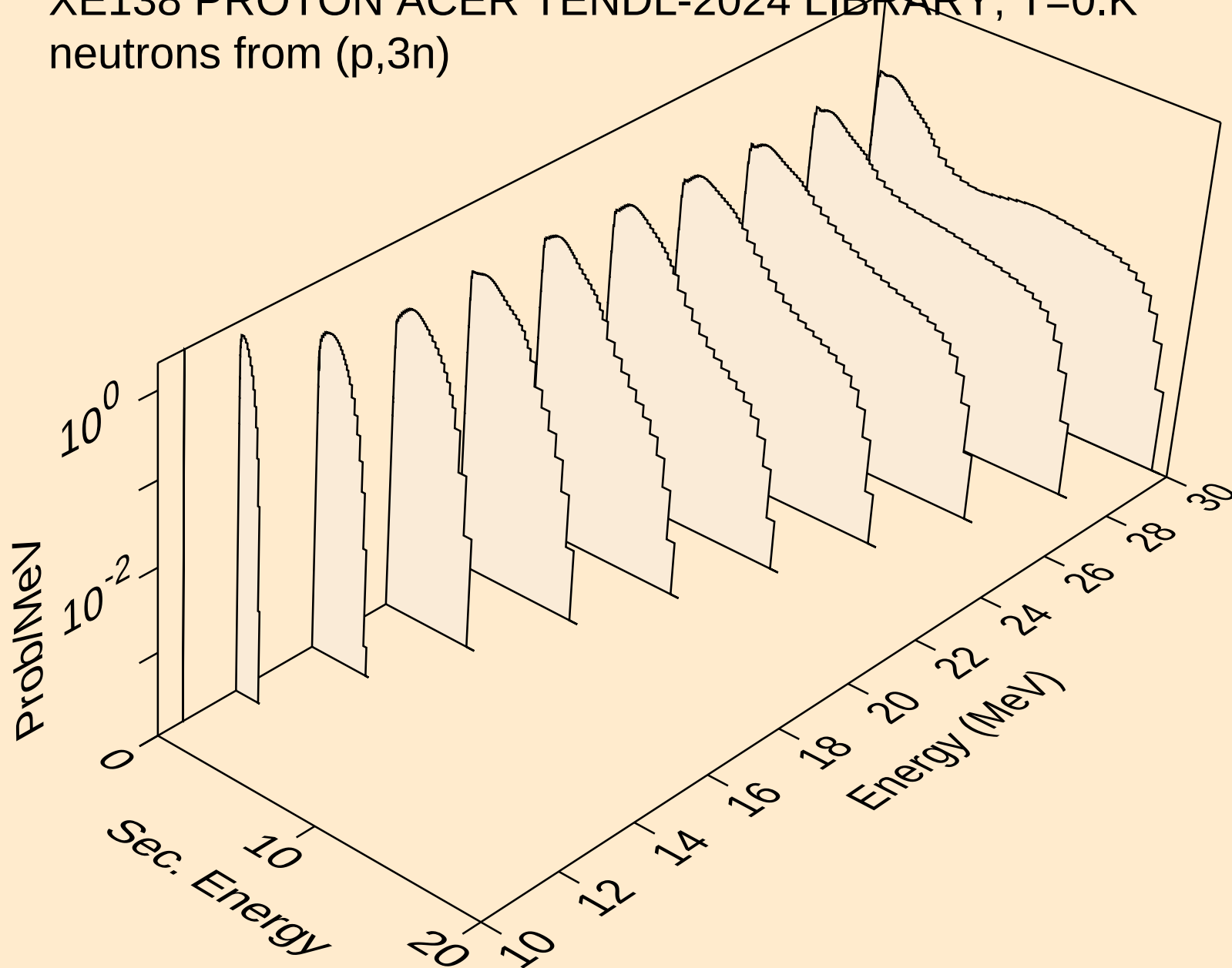
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,2nd)



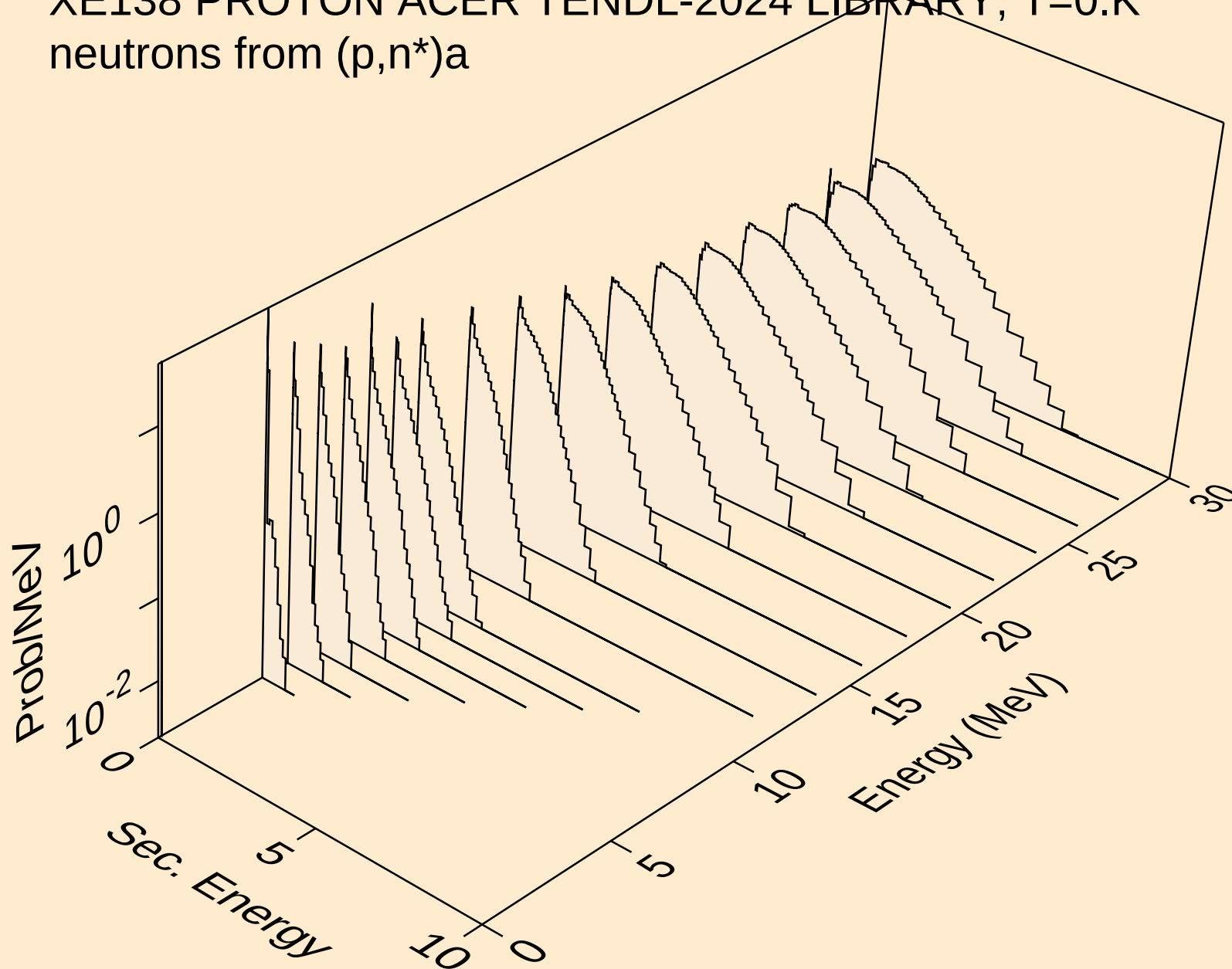
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,2n)



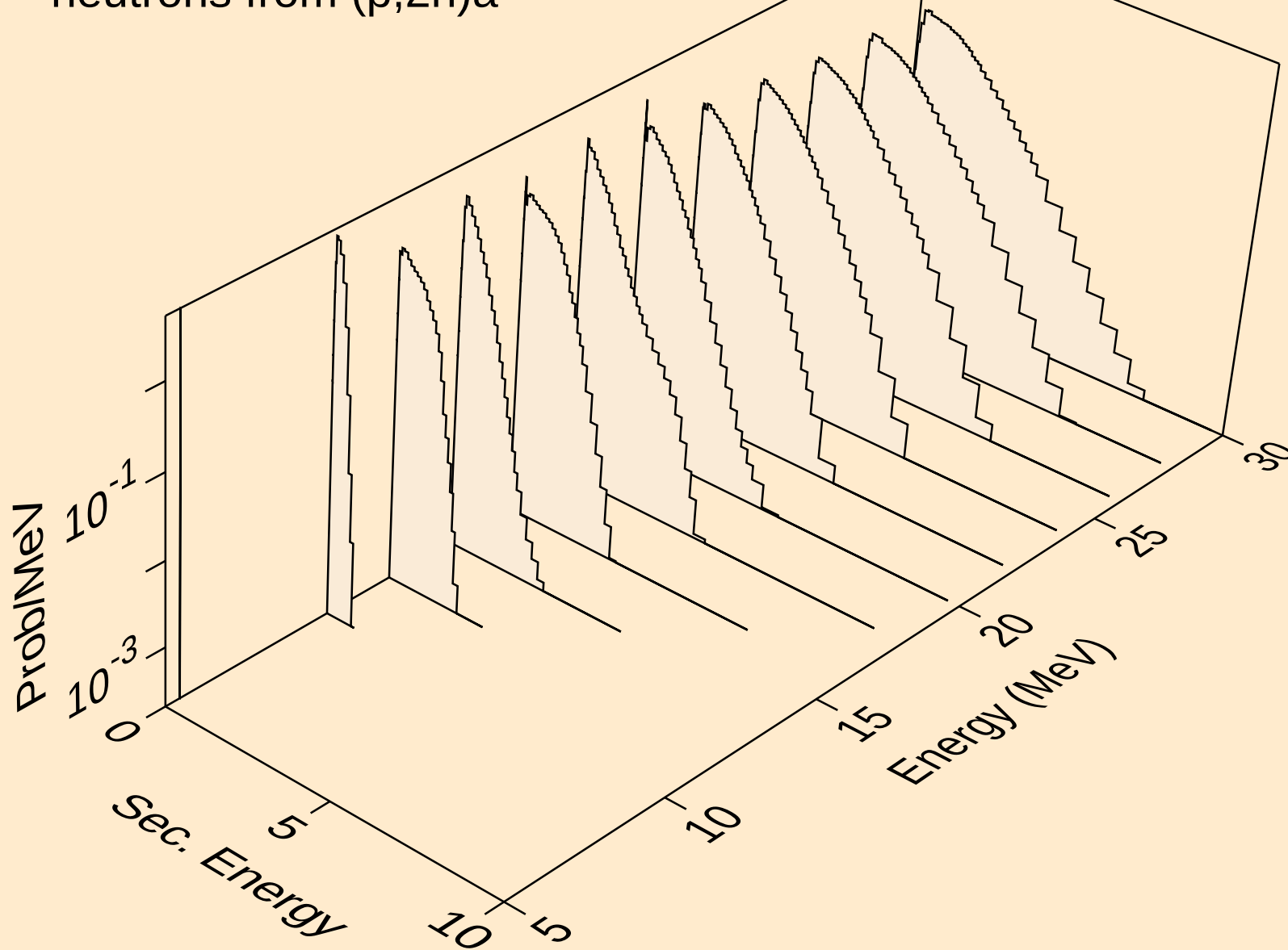
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,3n)



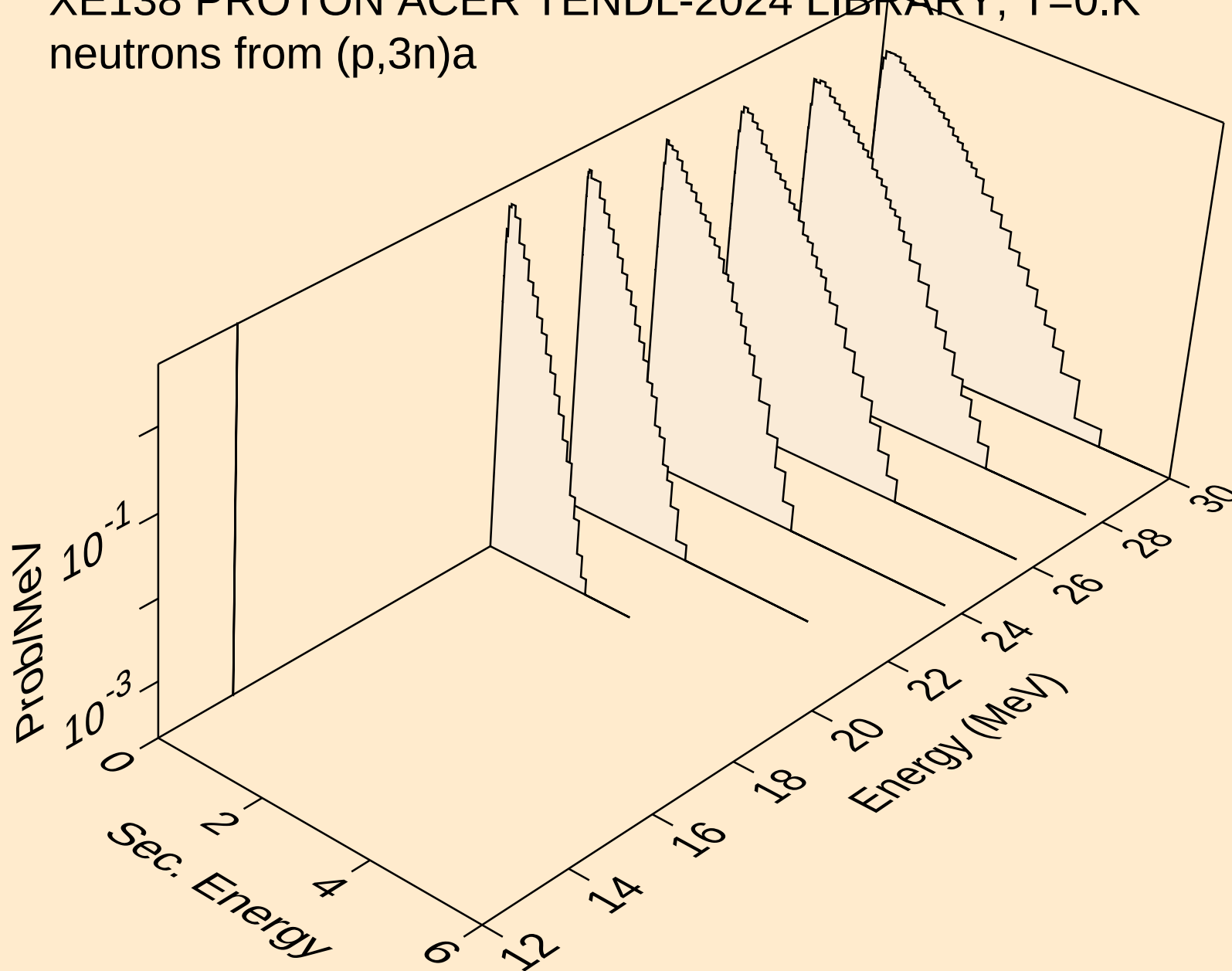
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n*)a



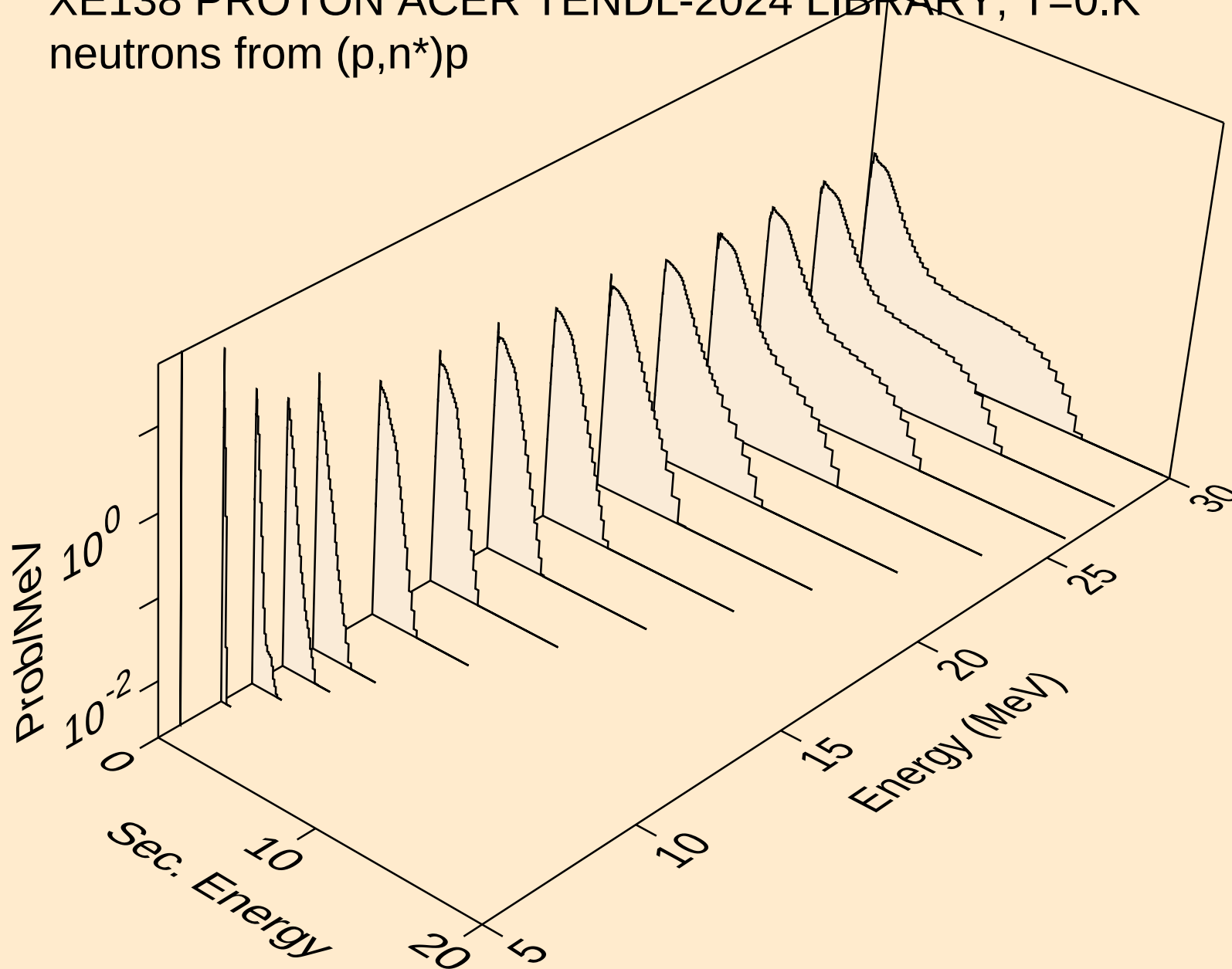
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,2n)a



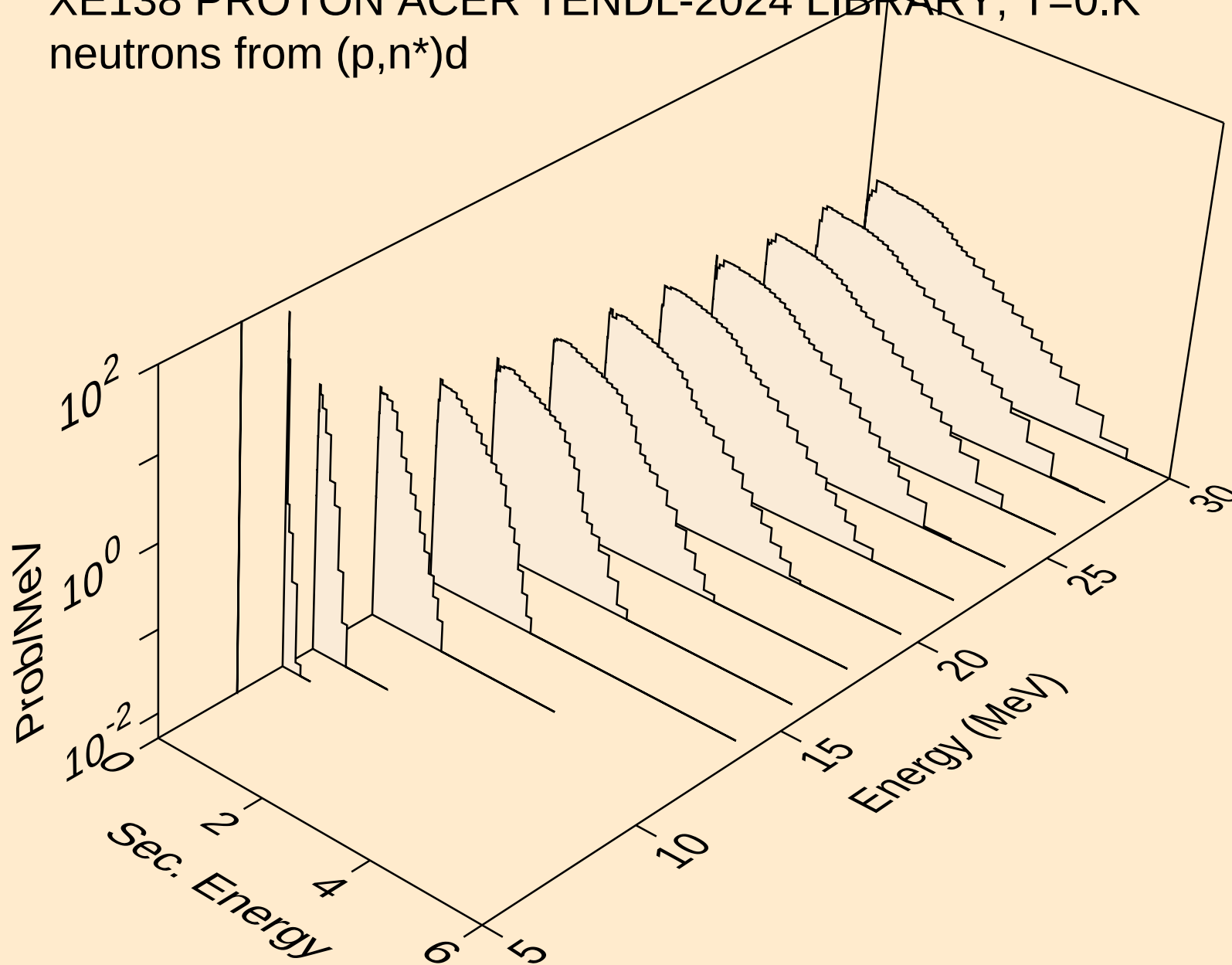
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,3n)a



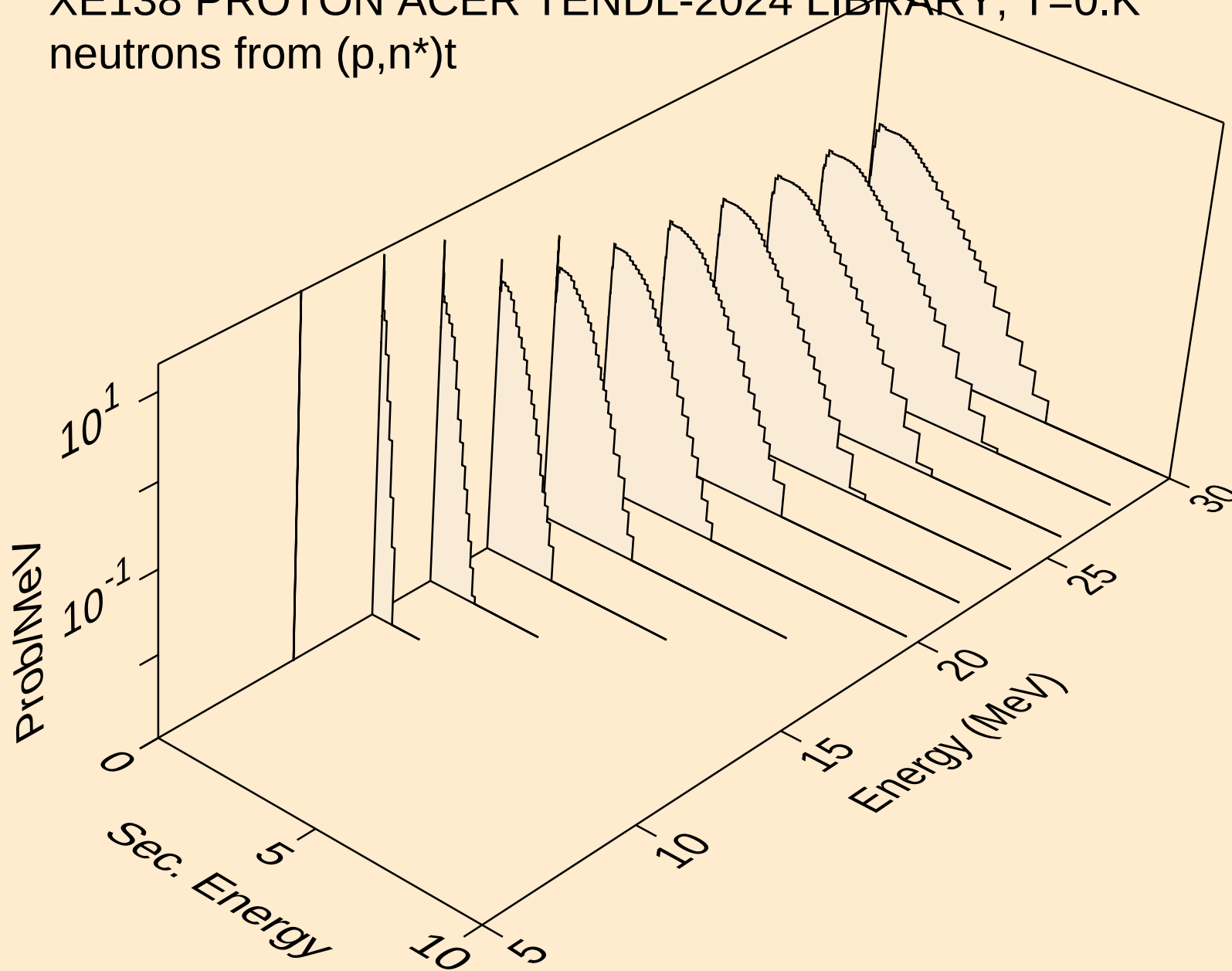
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n*)p



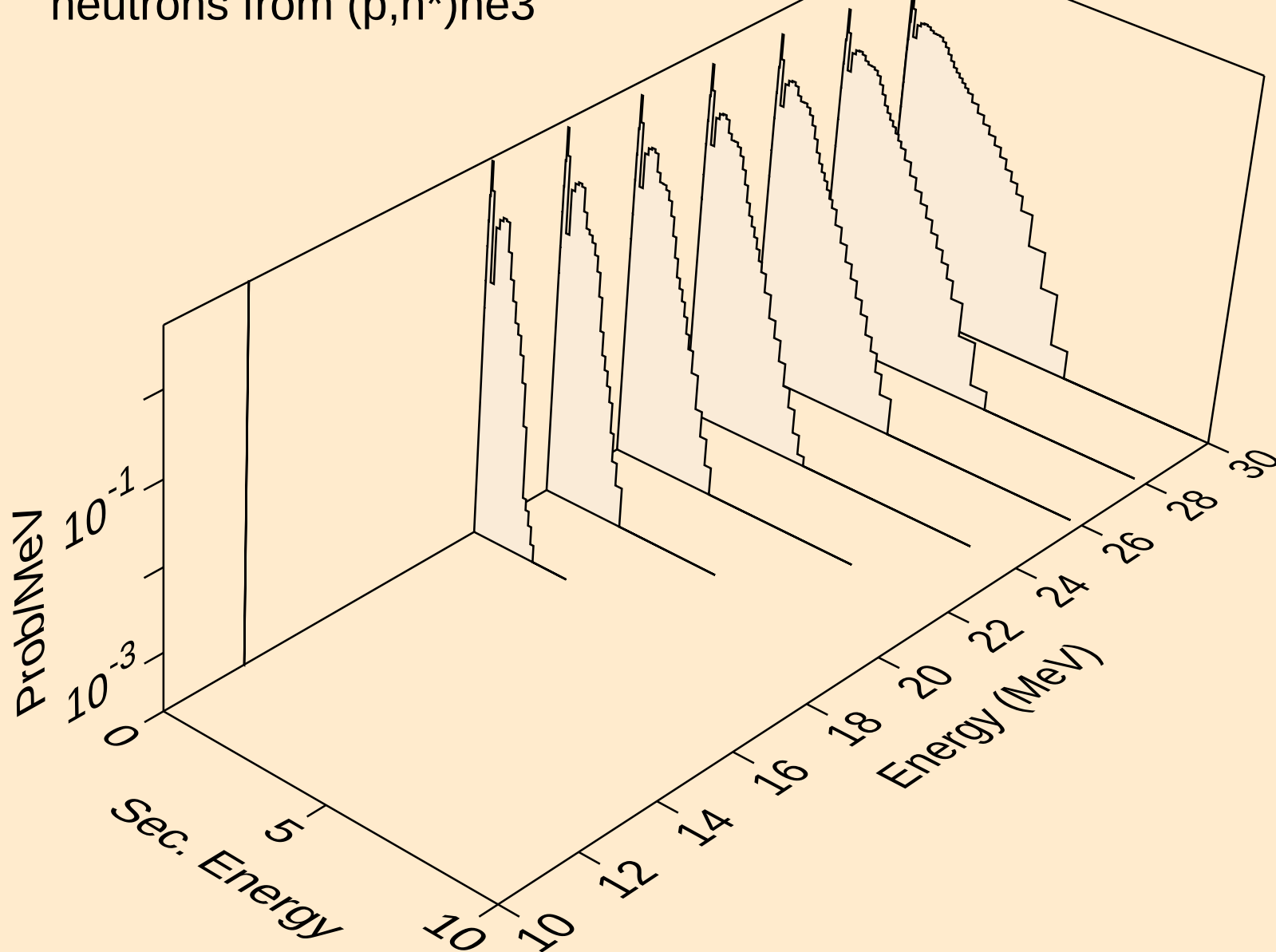
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n*)d



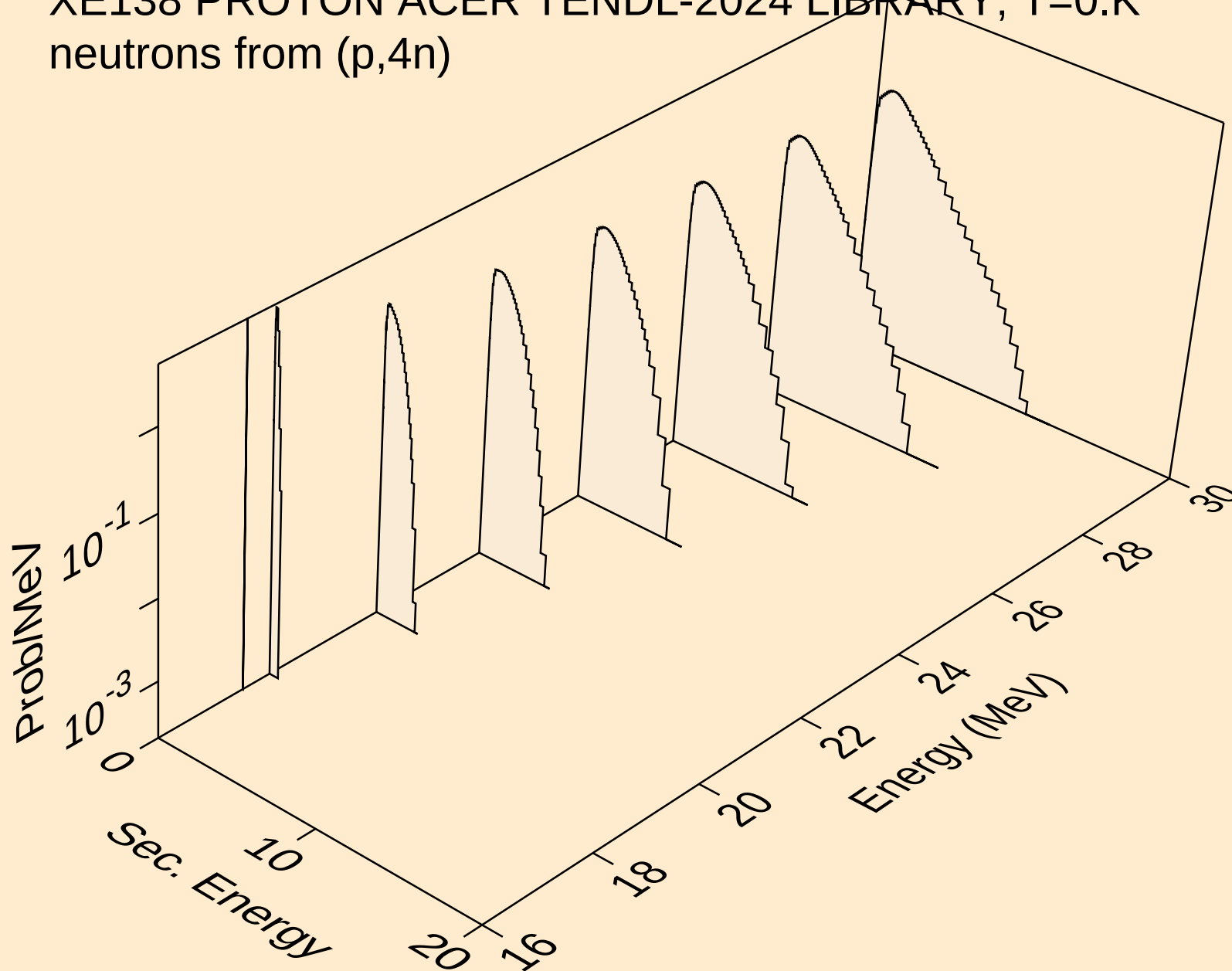
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n*)t



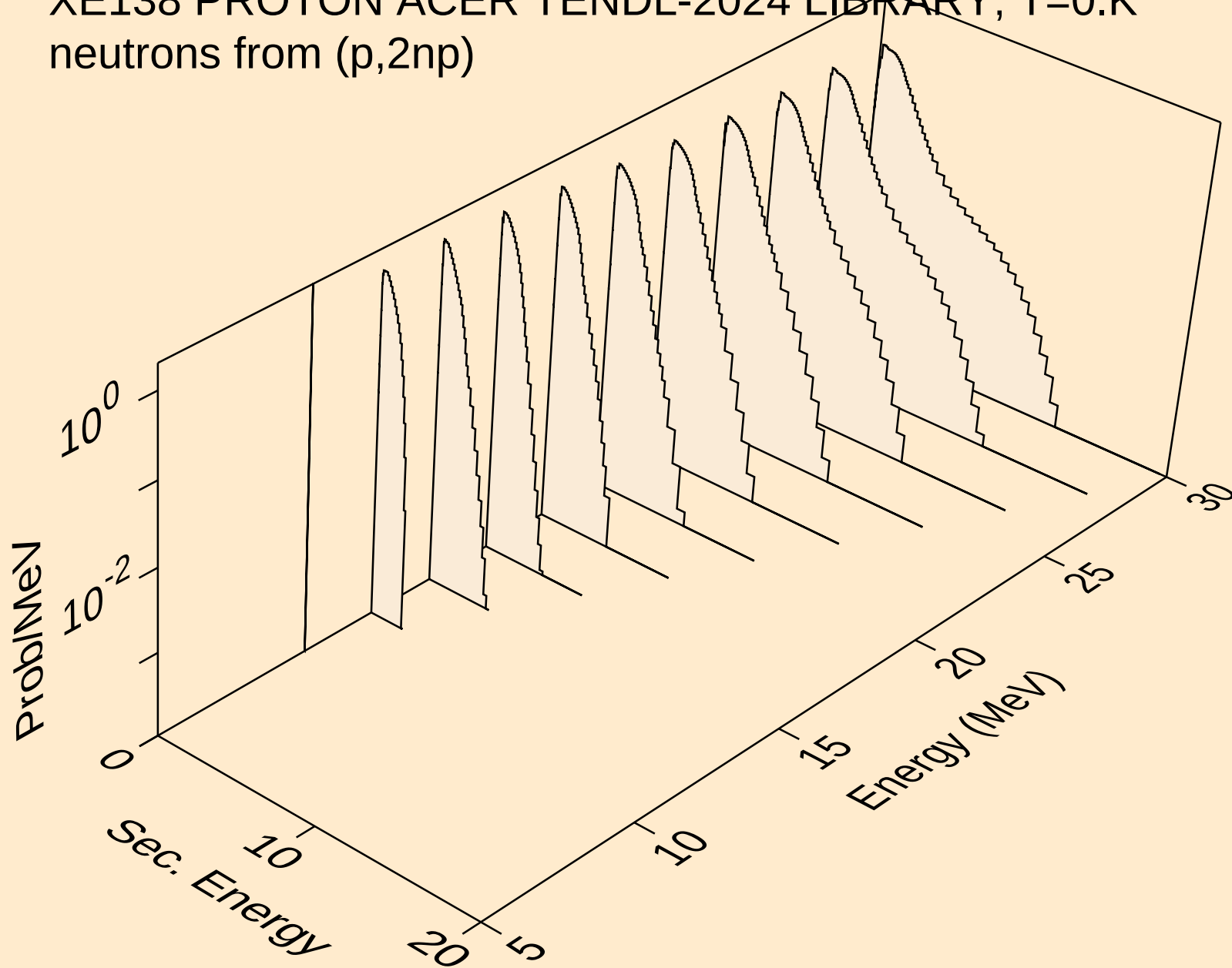
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n*)he3



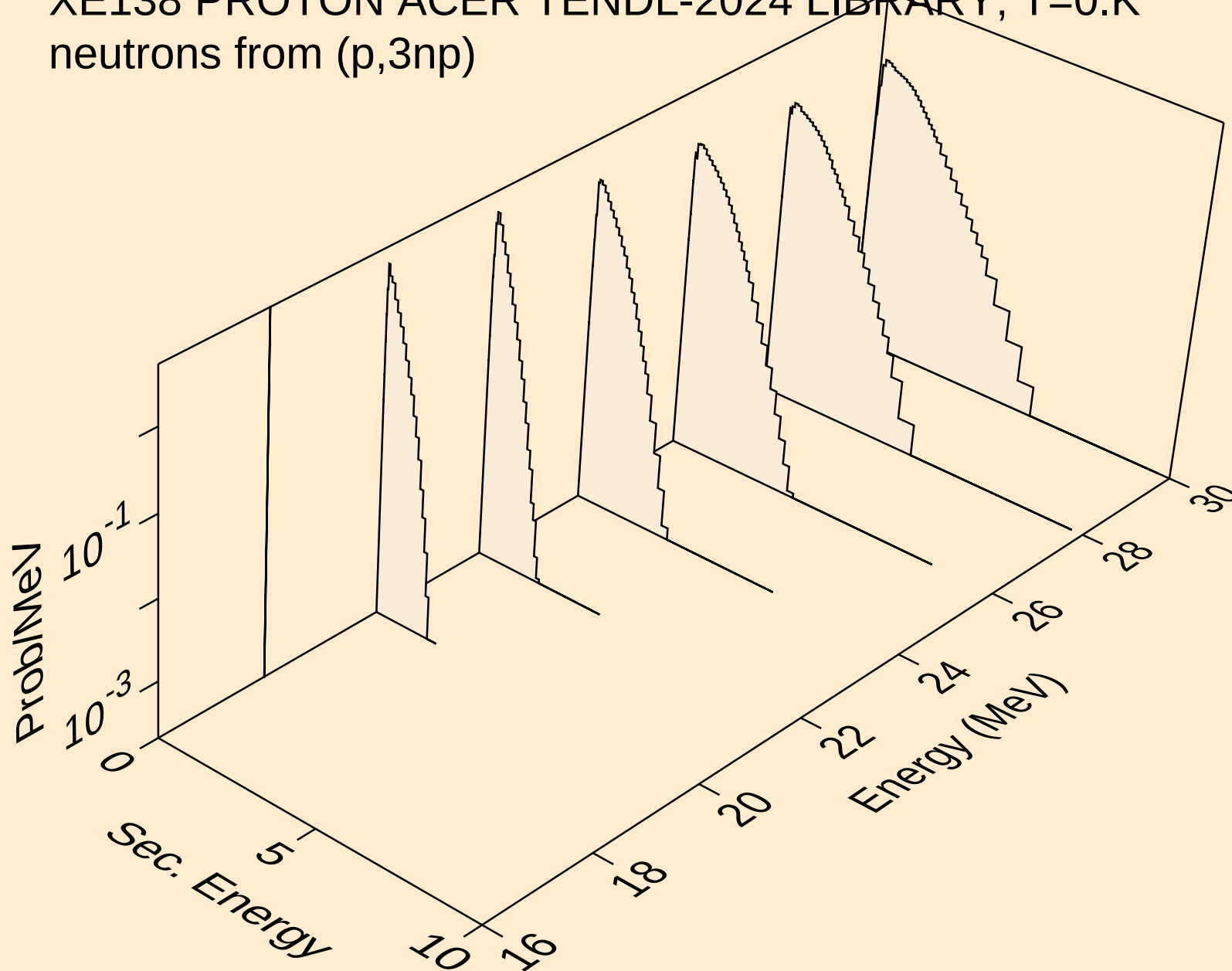
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,4n)



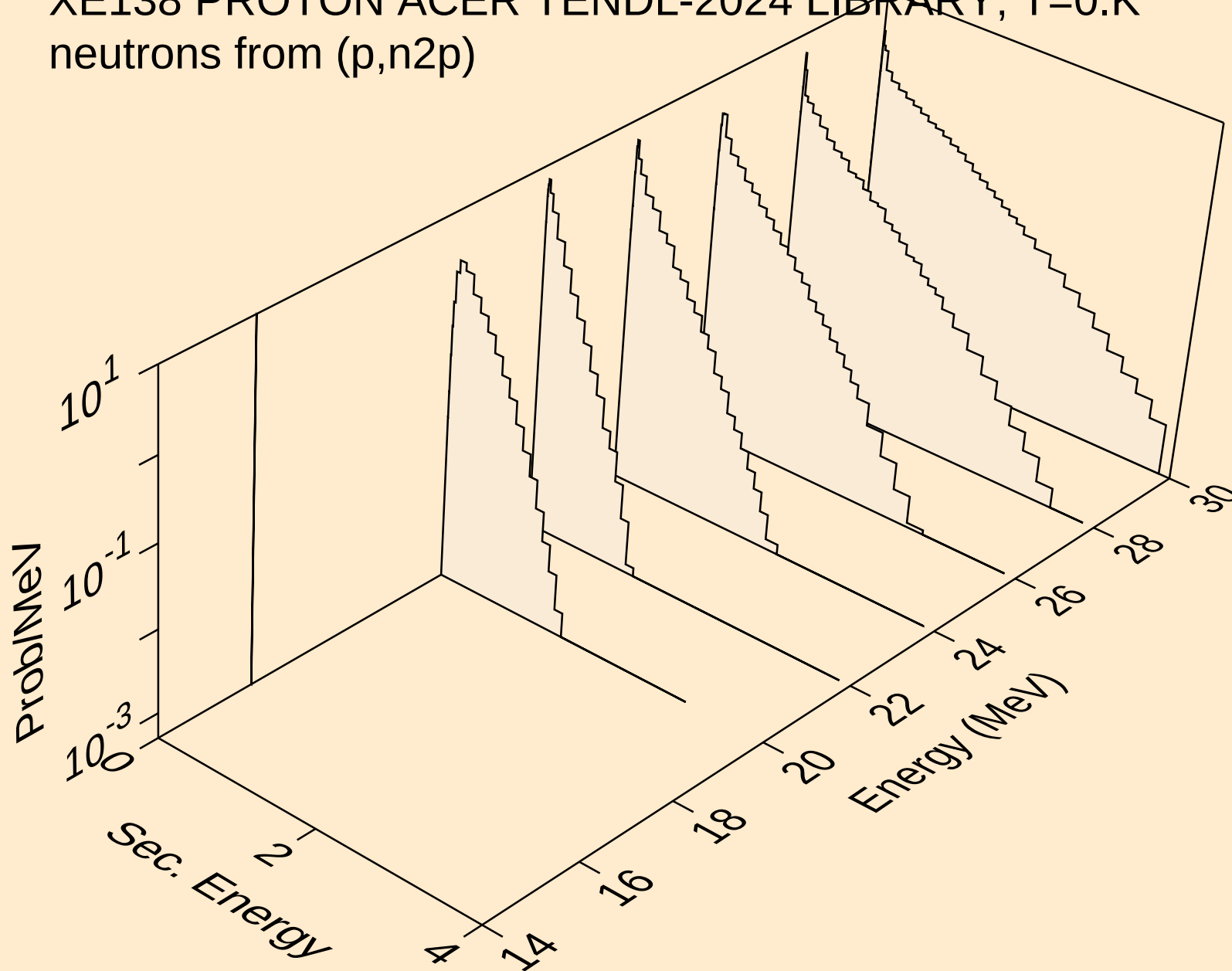
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,2np)



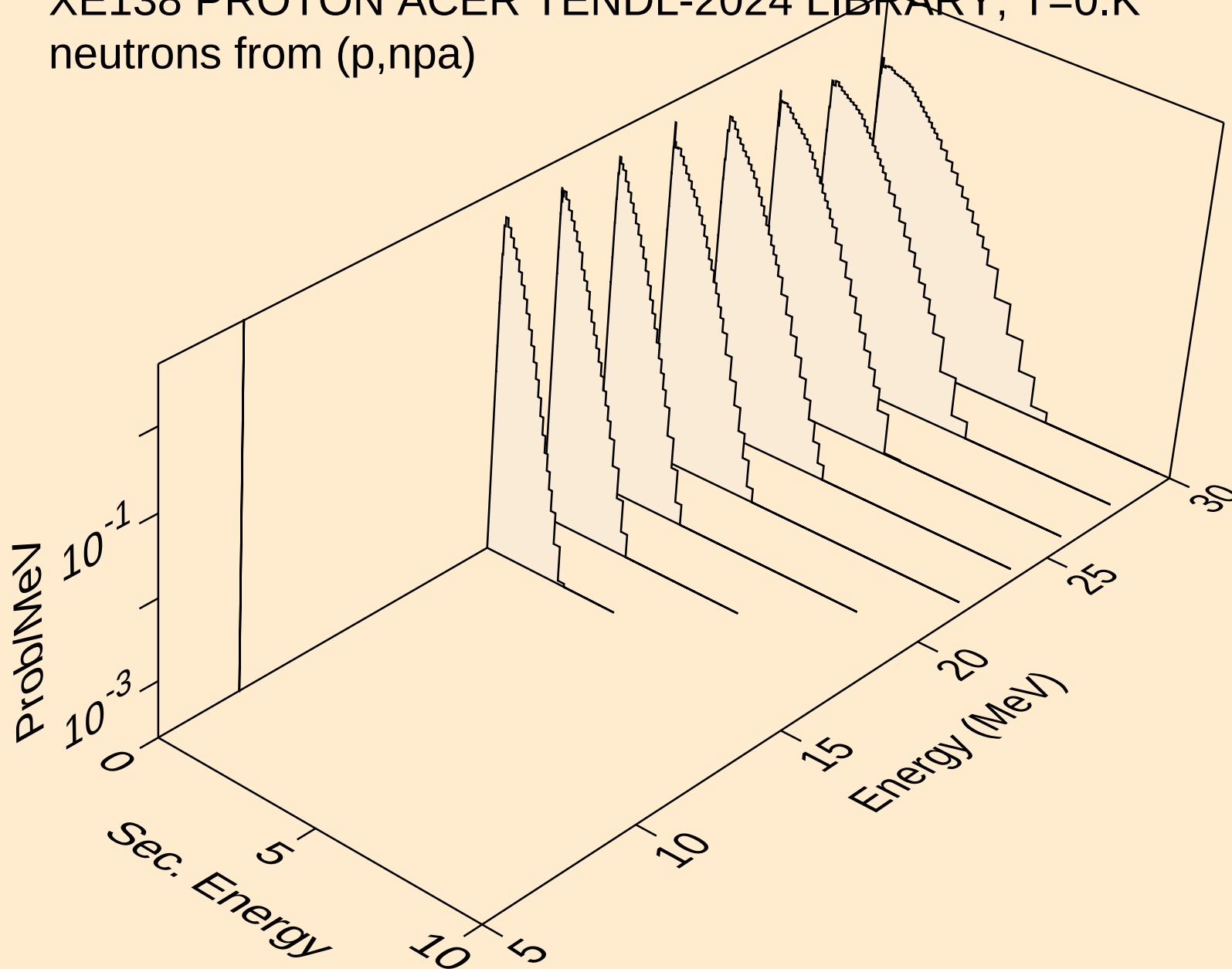
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,3np)



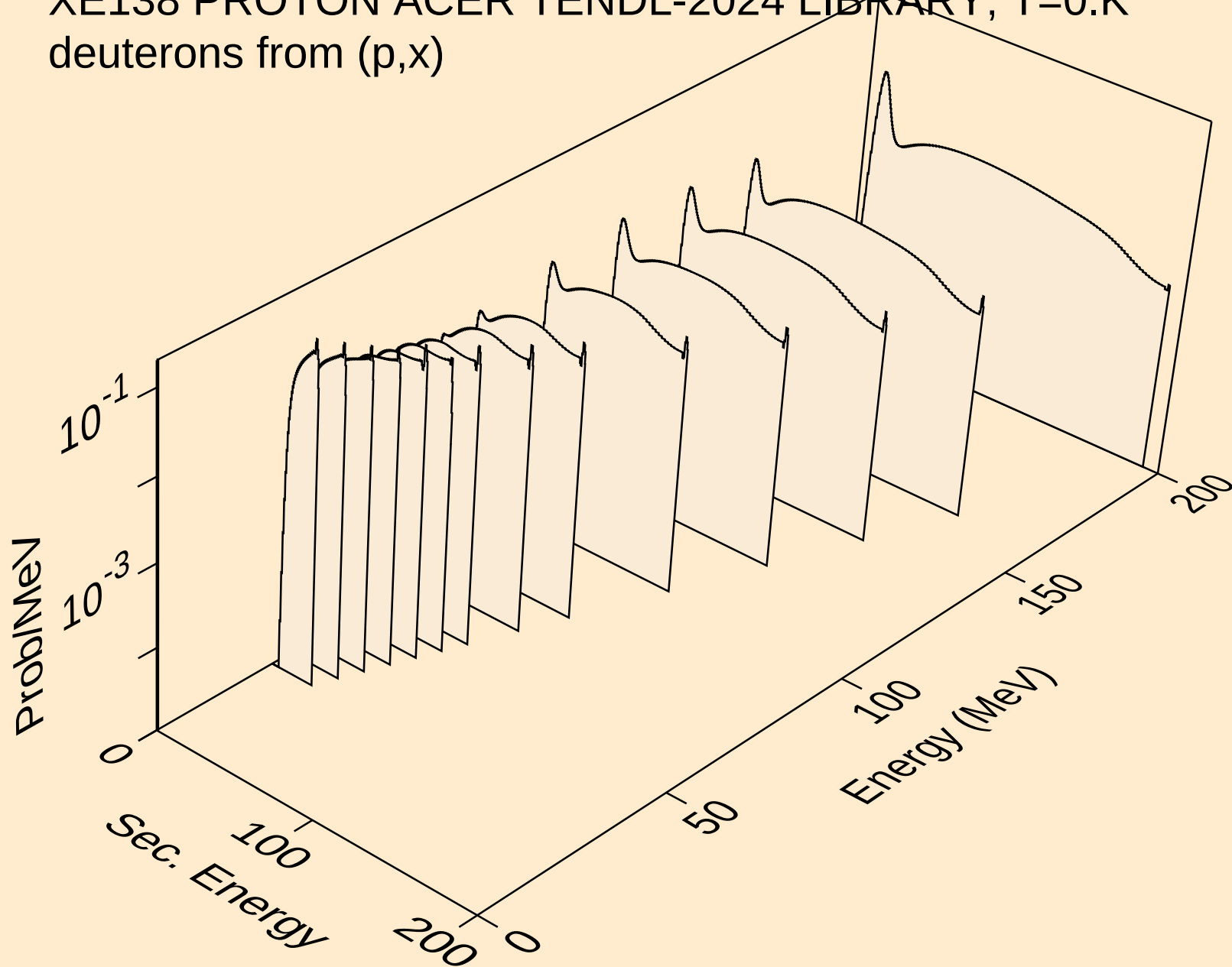
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,n2p)



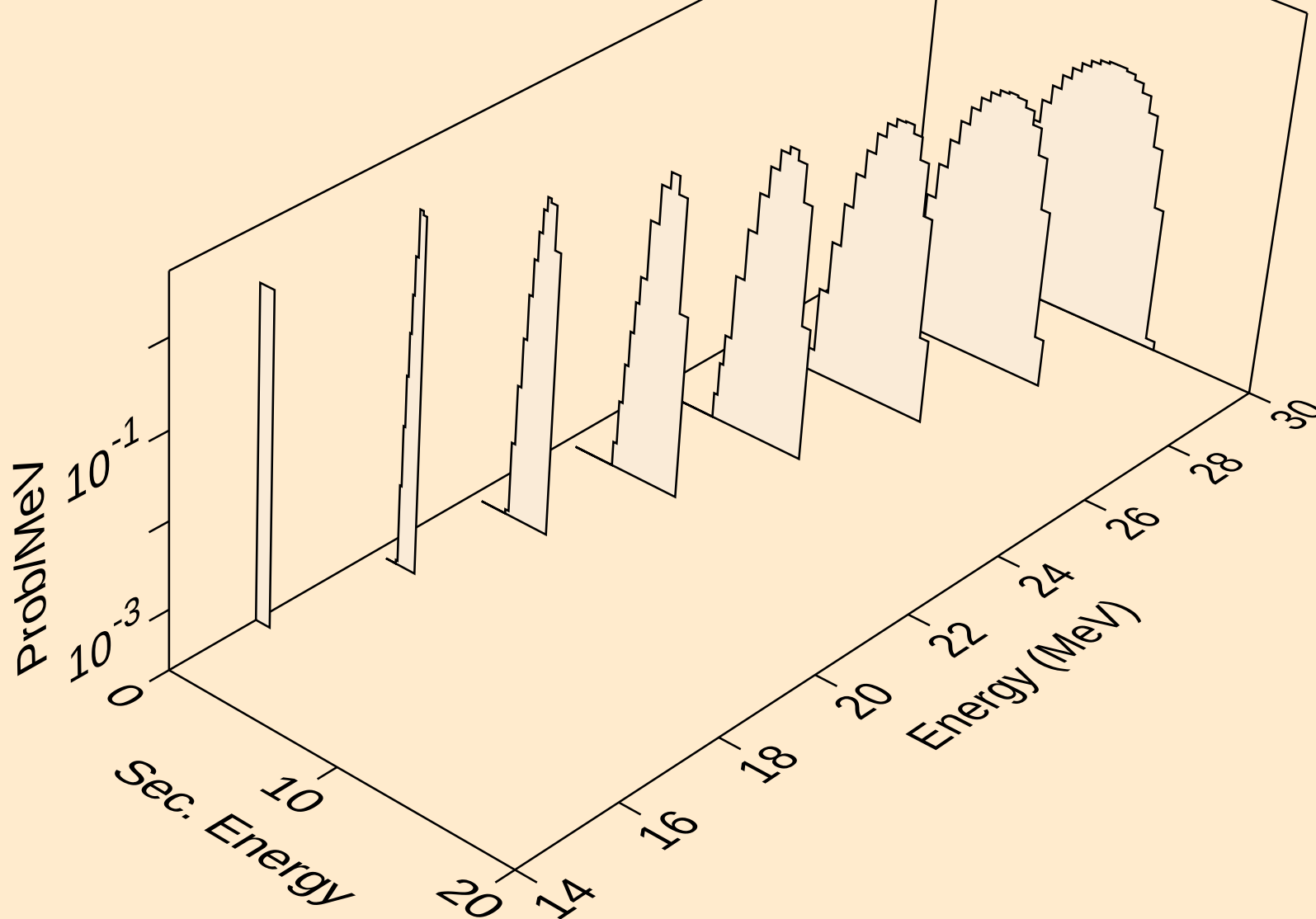
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (p,npa)



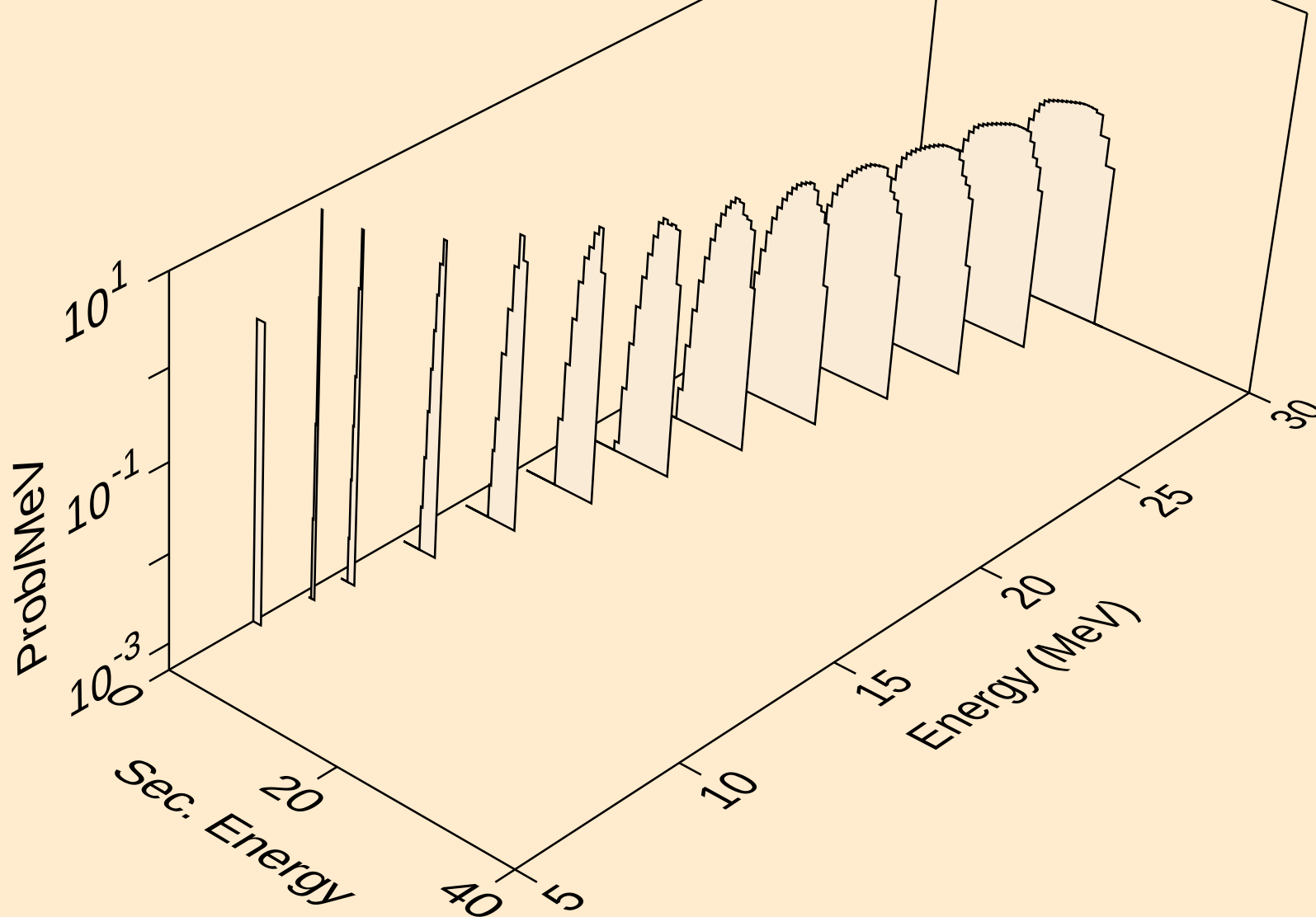
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,x)



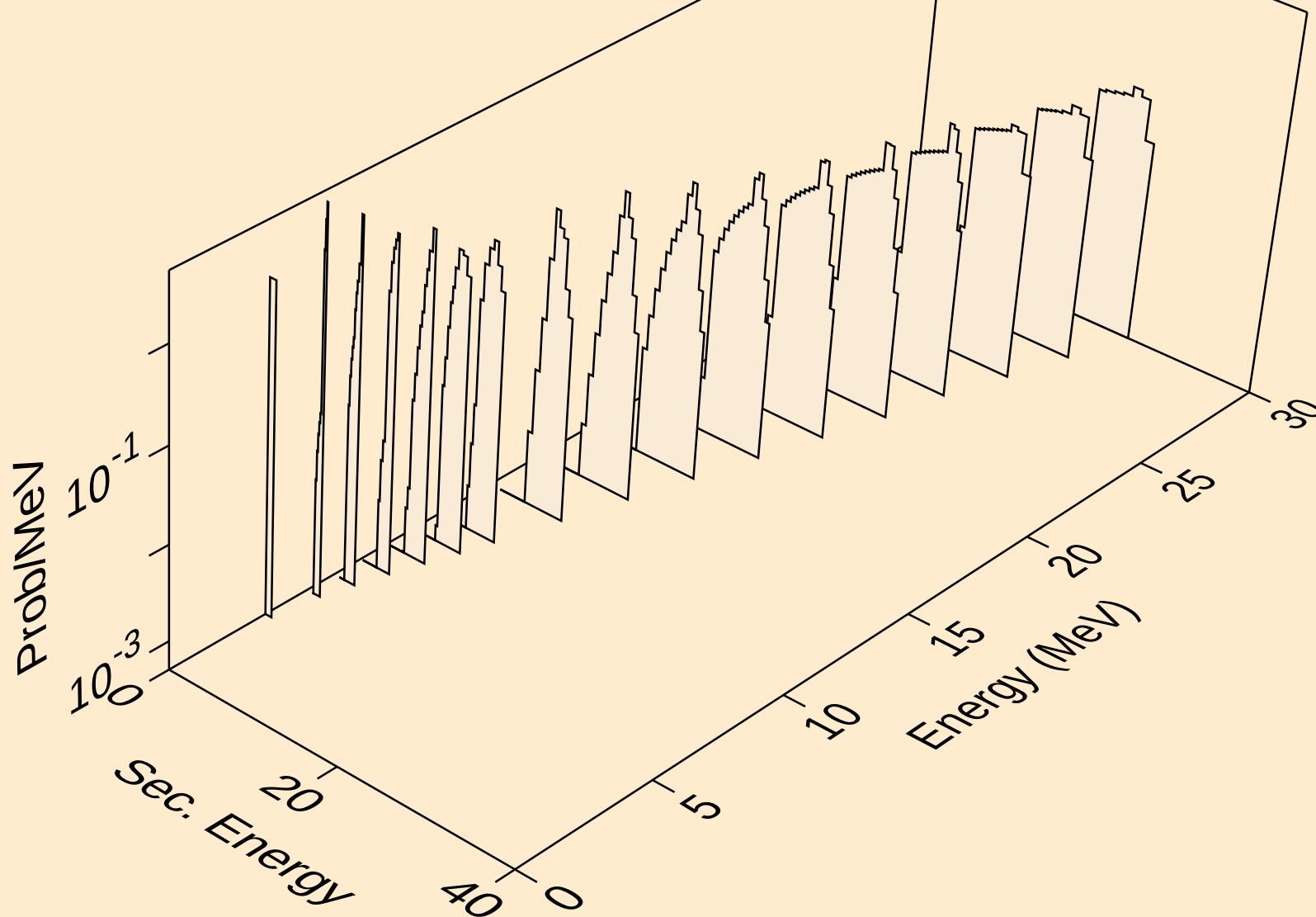
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,2nd)



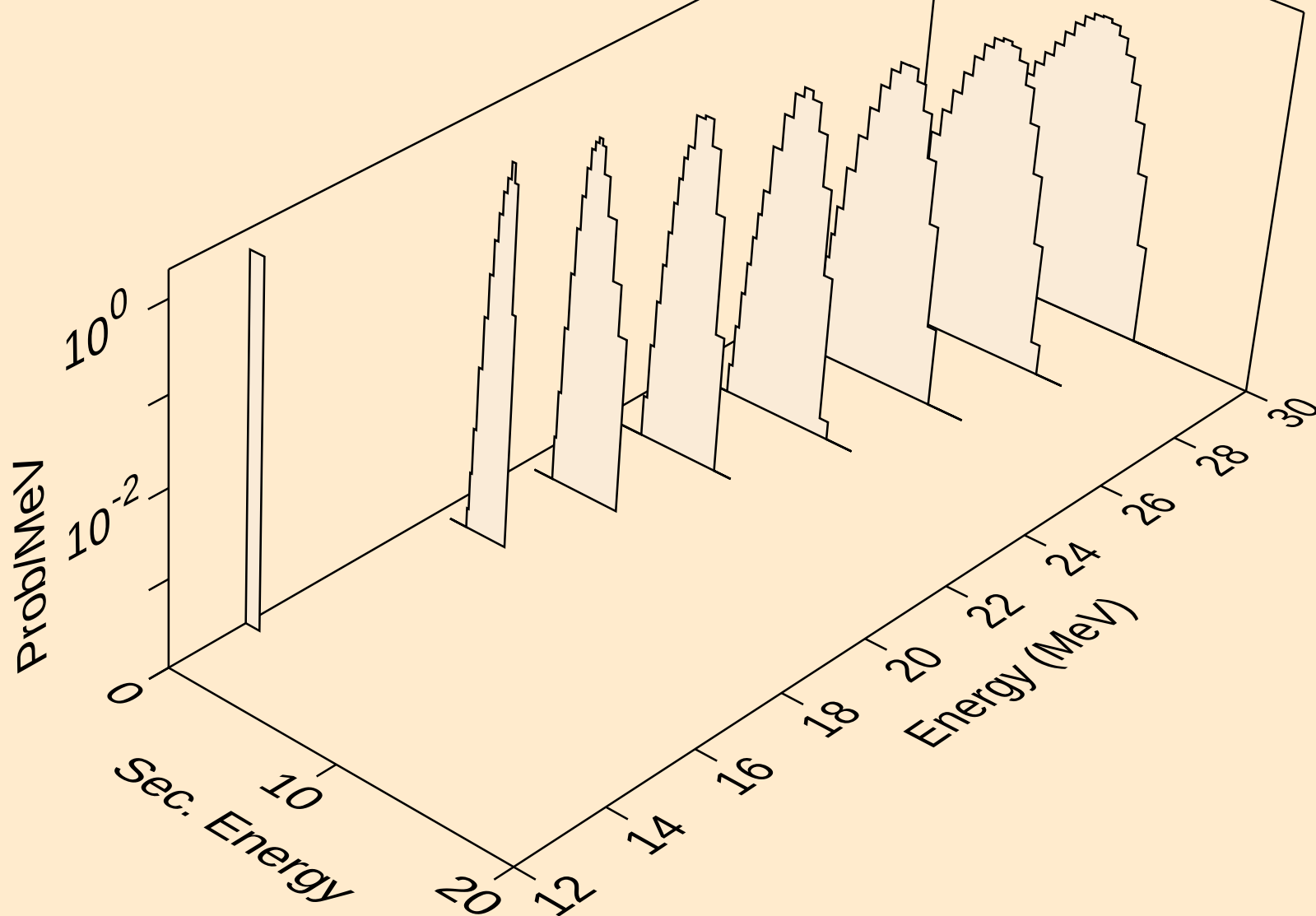
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,n*)d



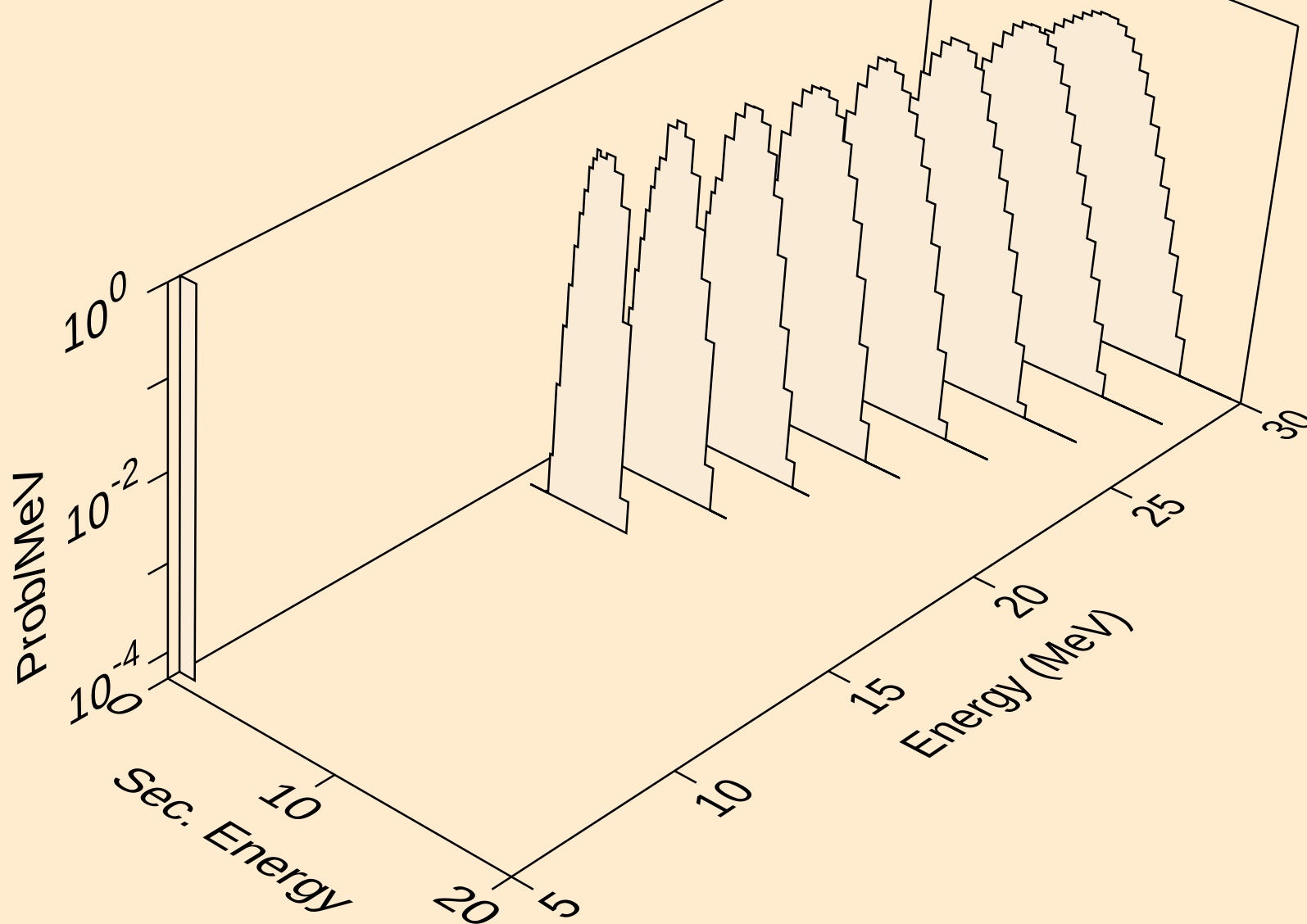
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,d)



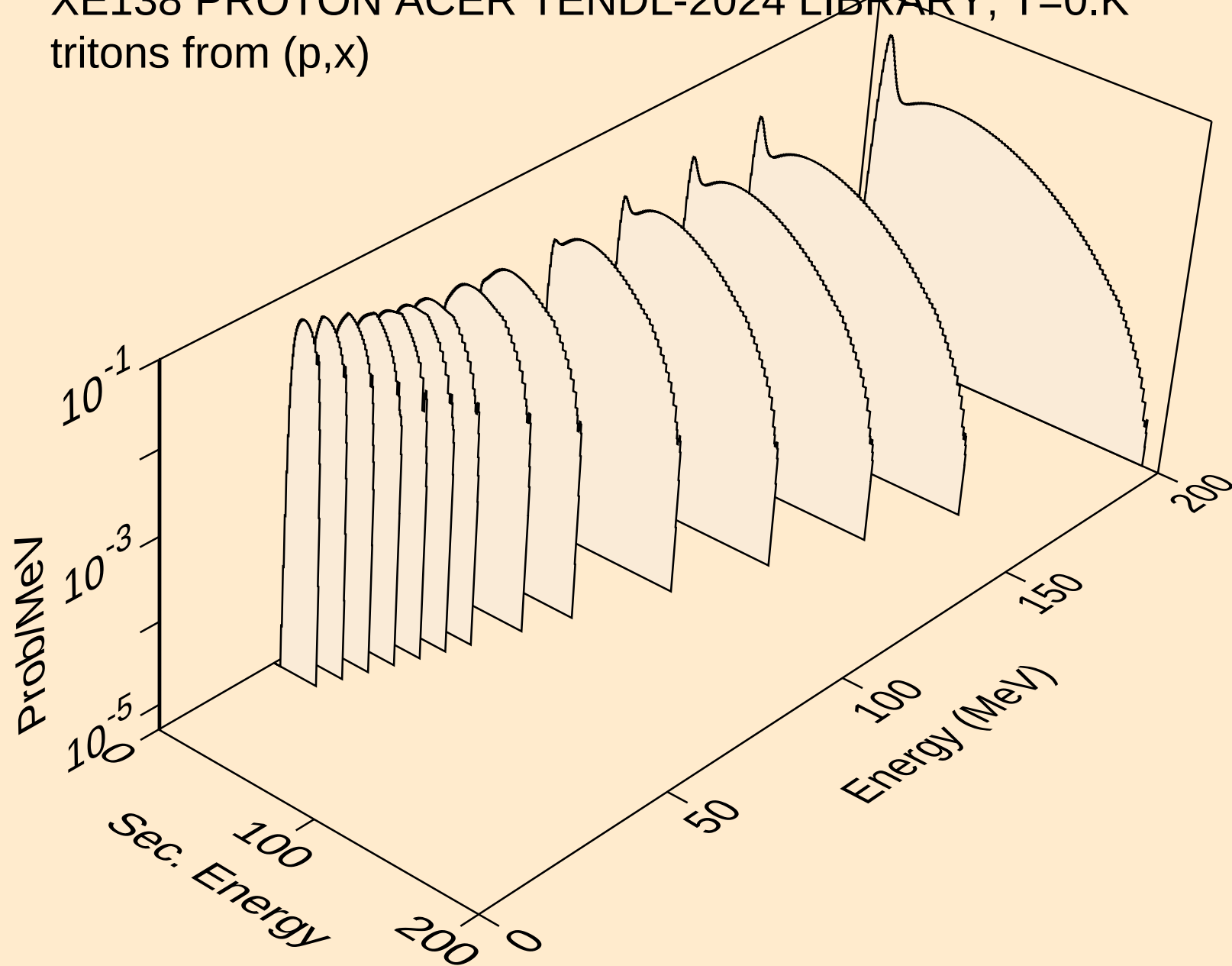
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,pd)



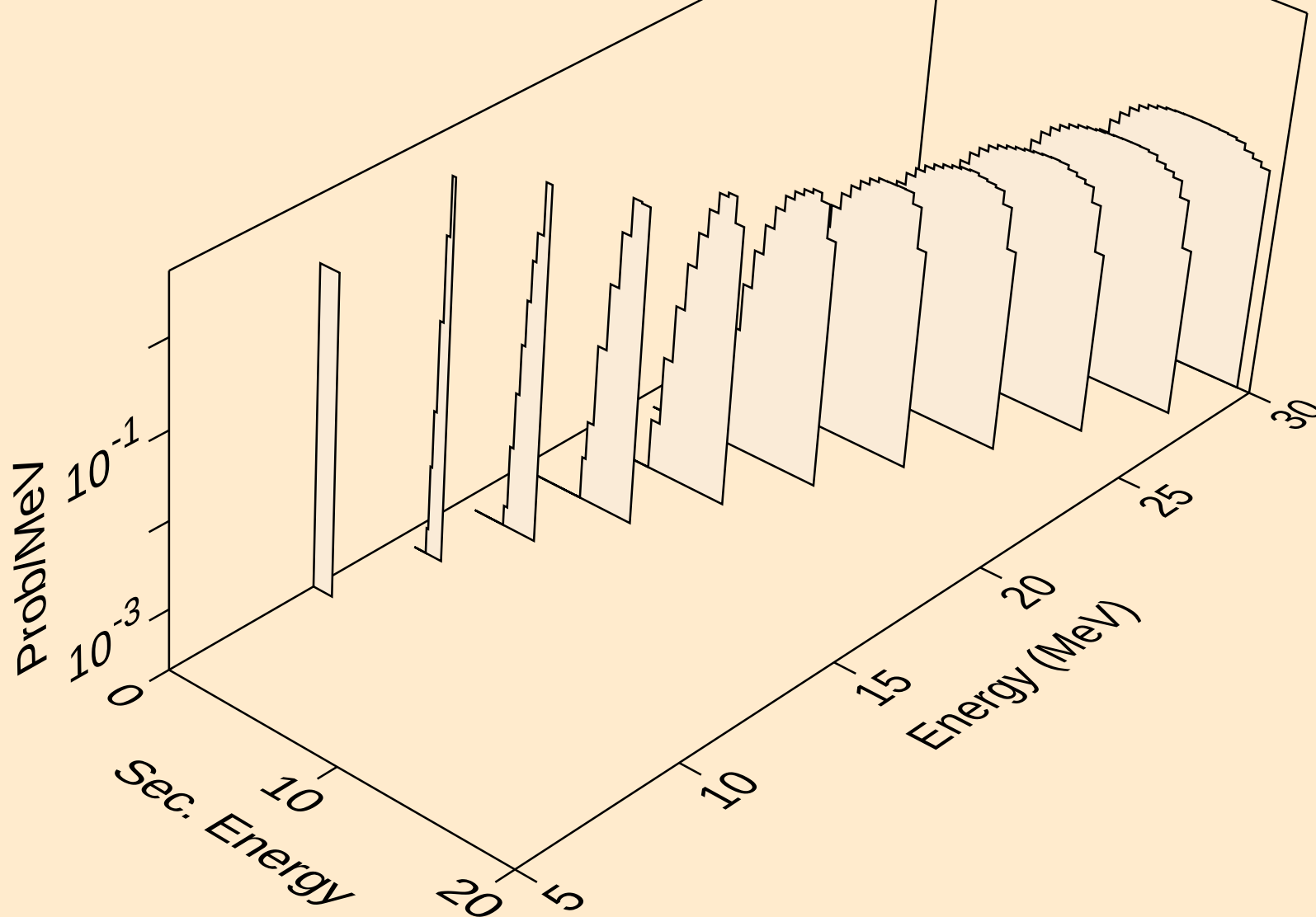
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (p,da)



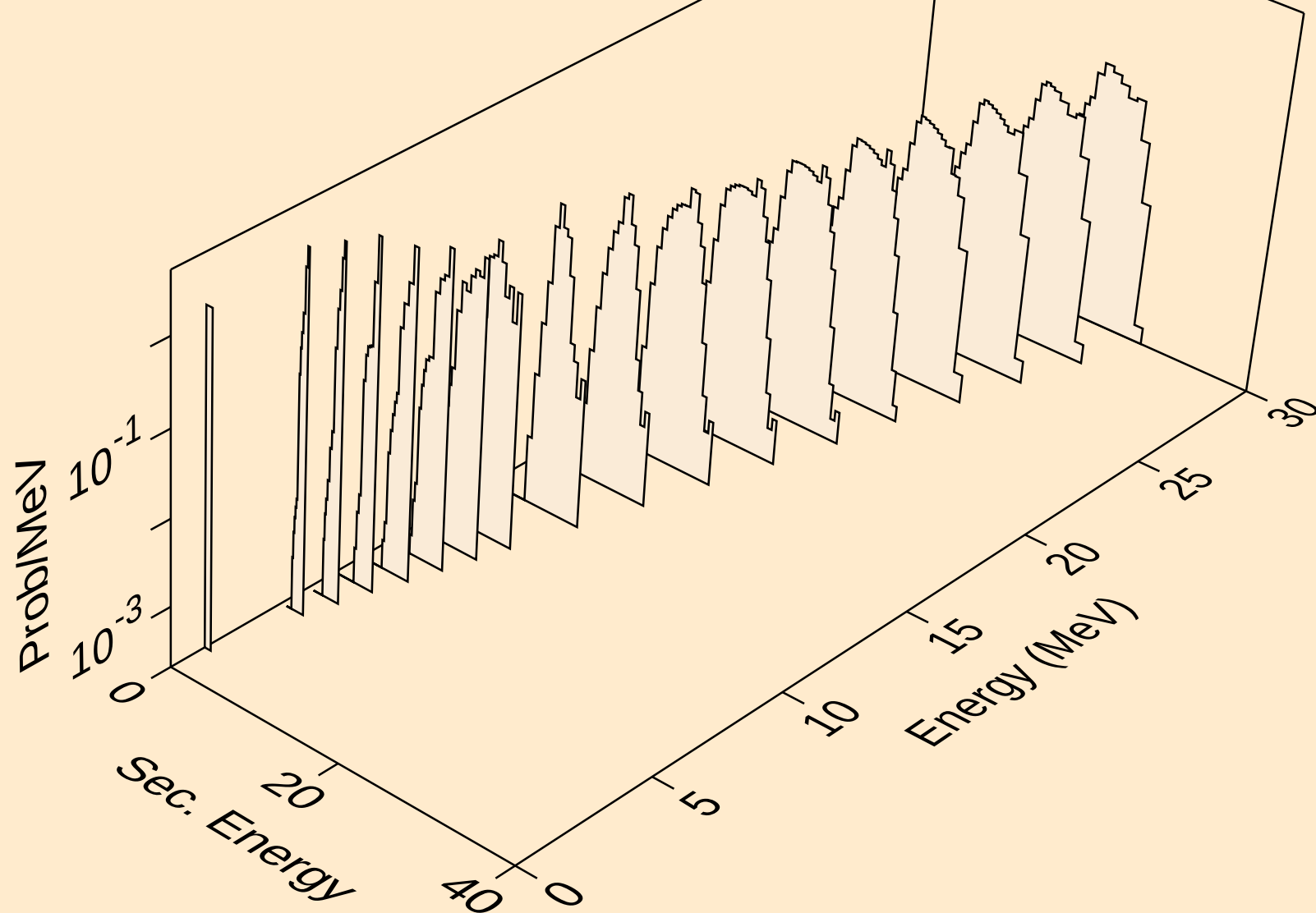
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (p,x)



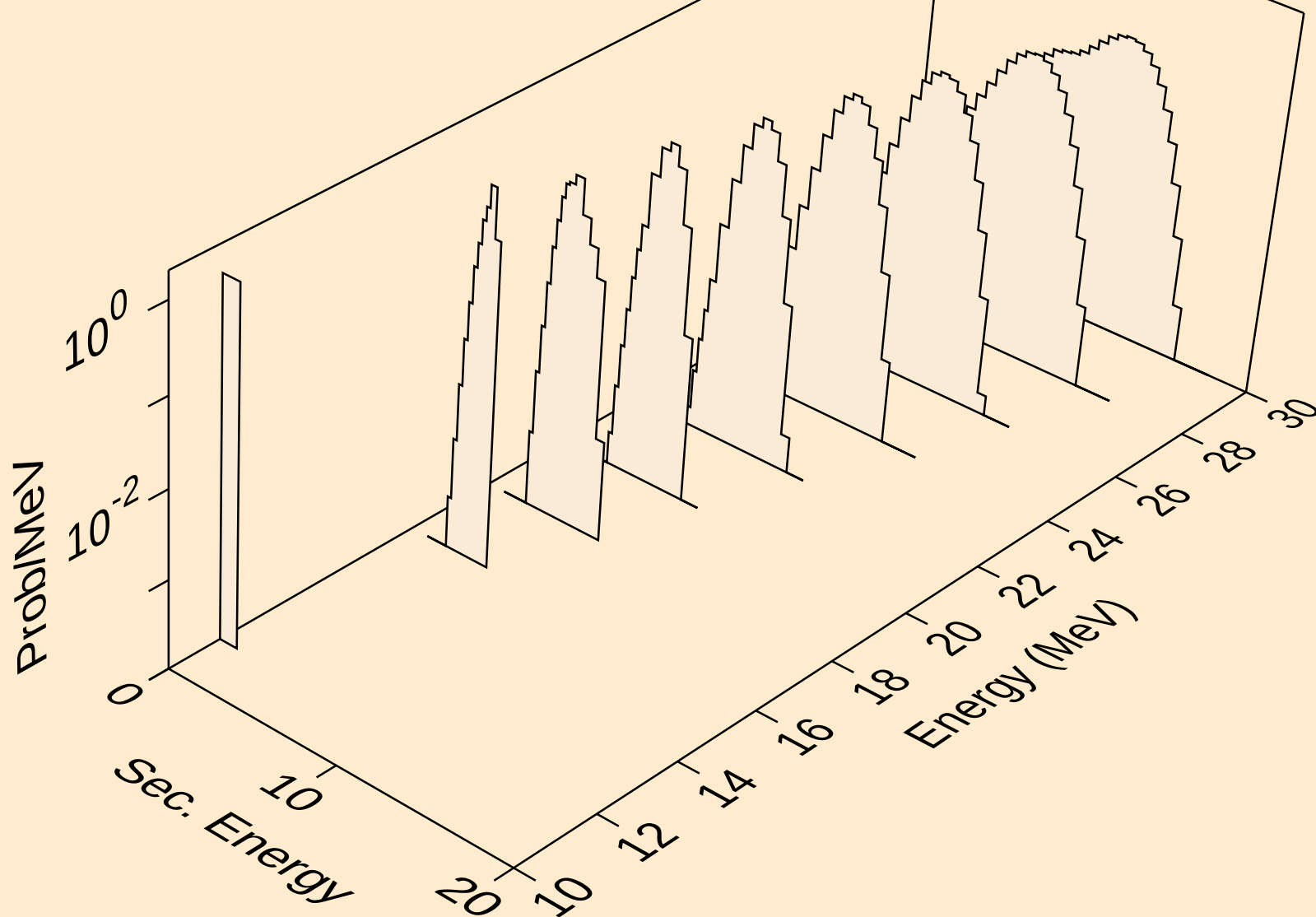
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (p,n*)t



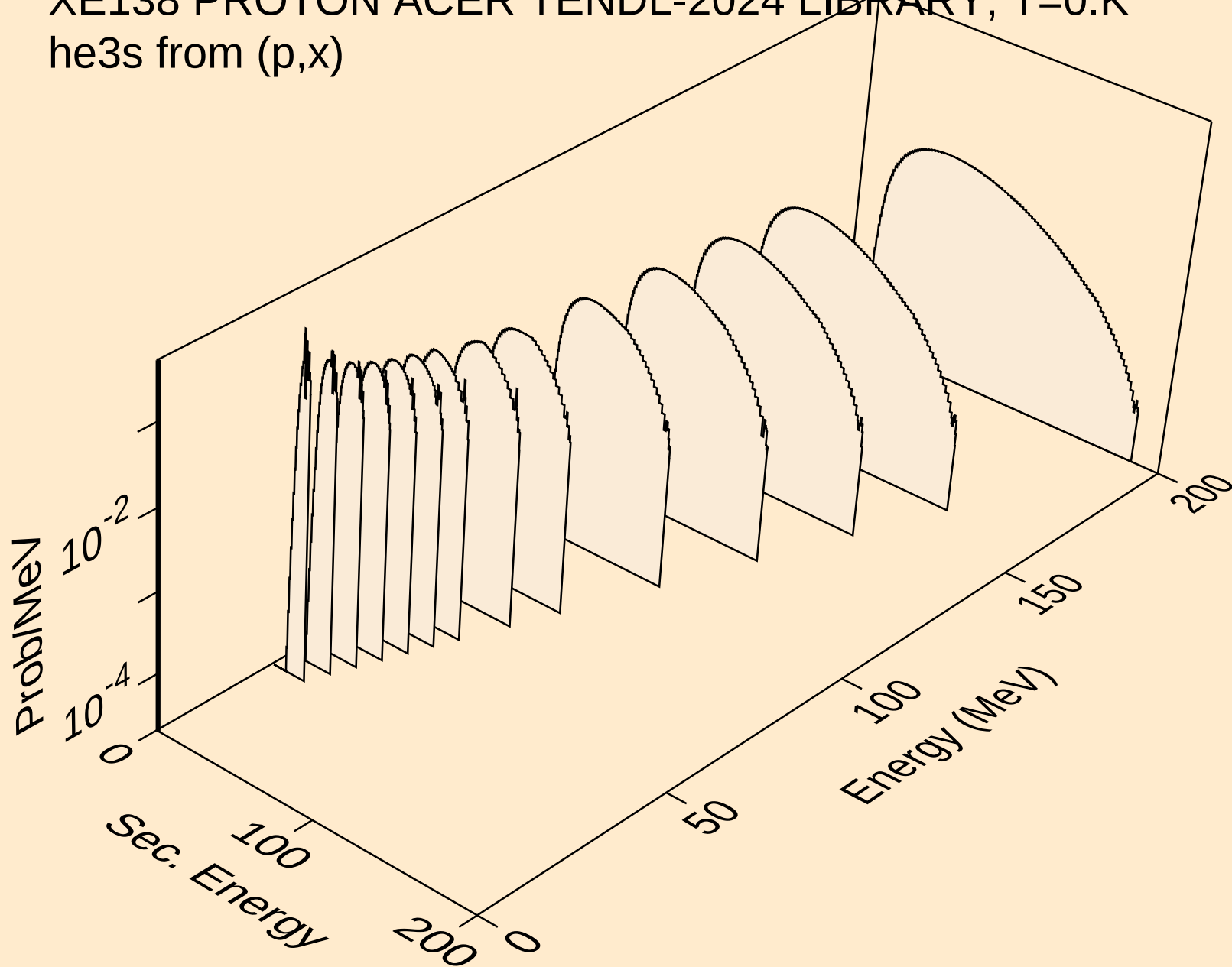
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (p,t)



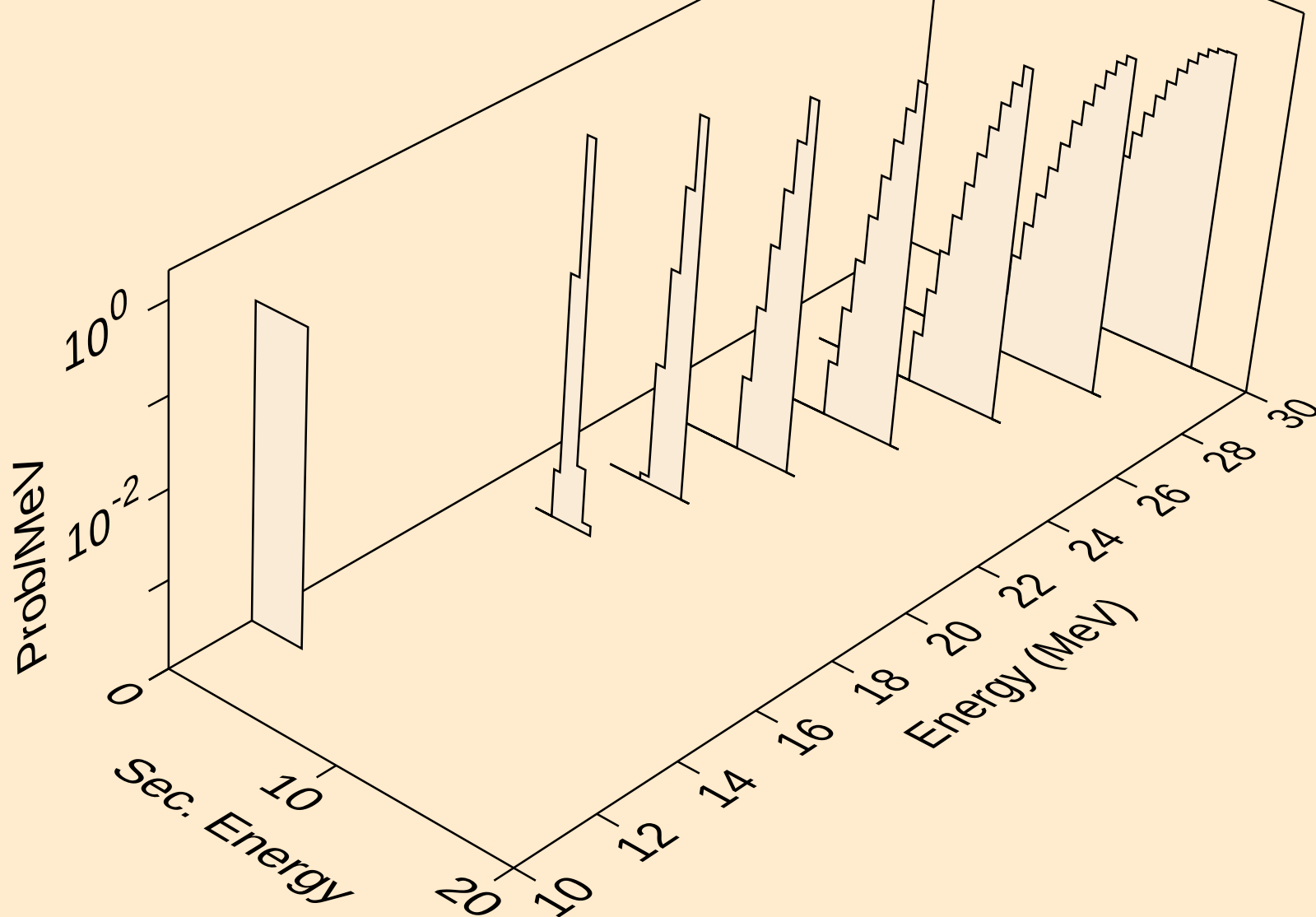
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (p,pt)



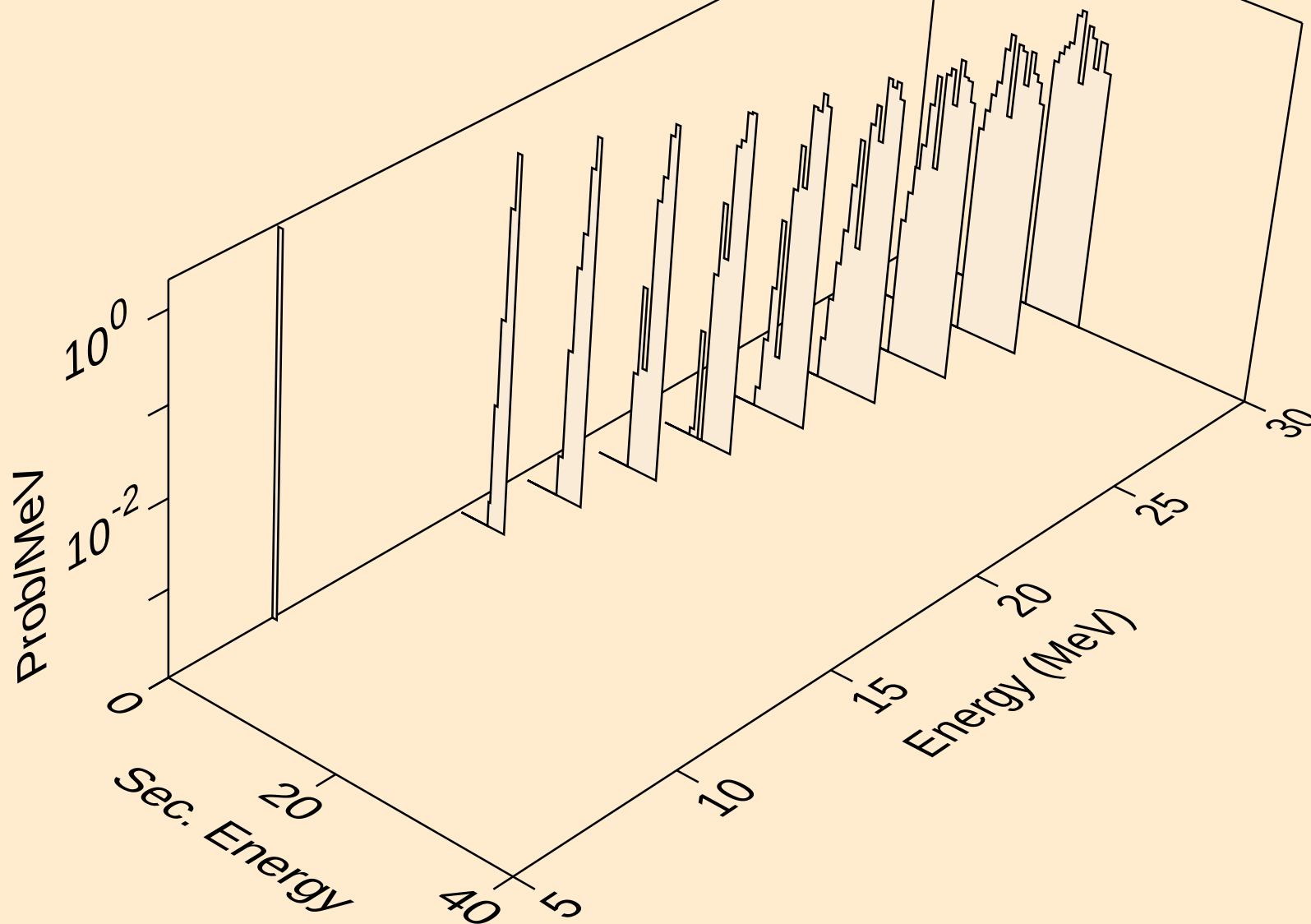
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (p,x)



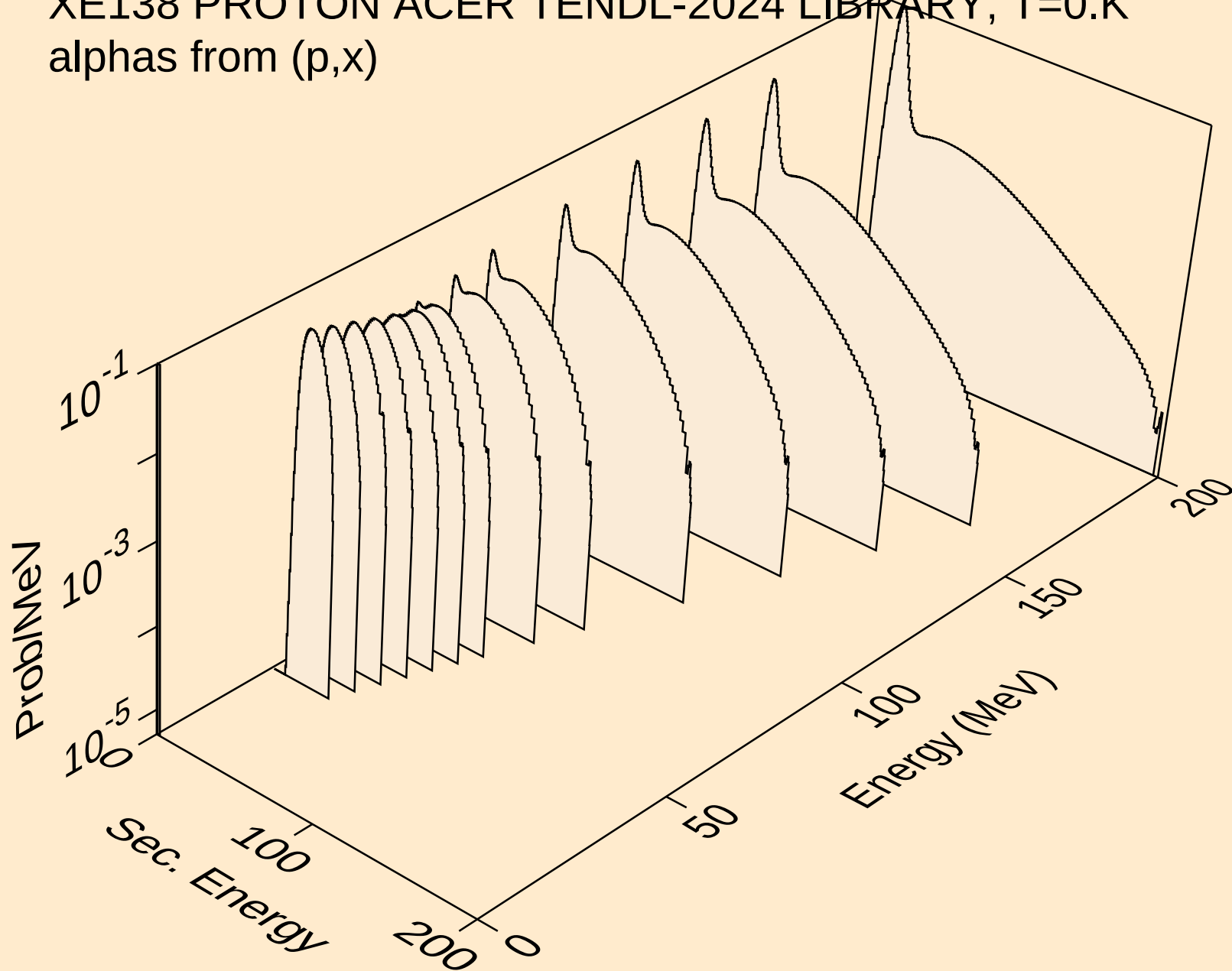
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (p,n*)he3



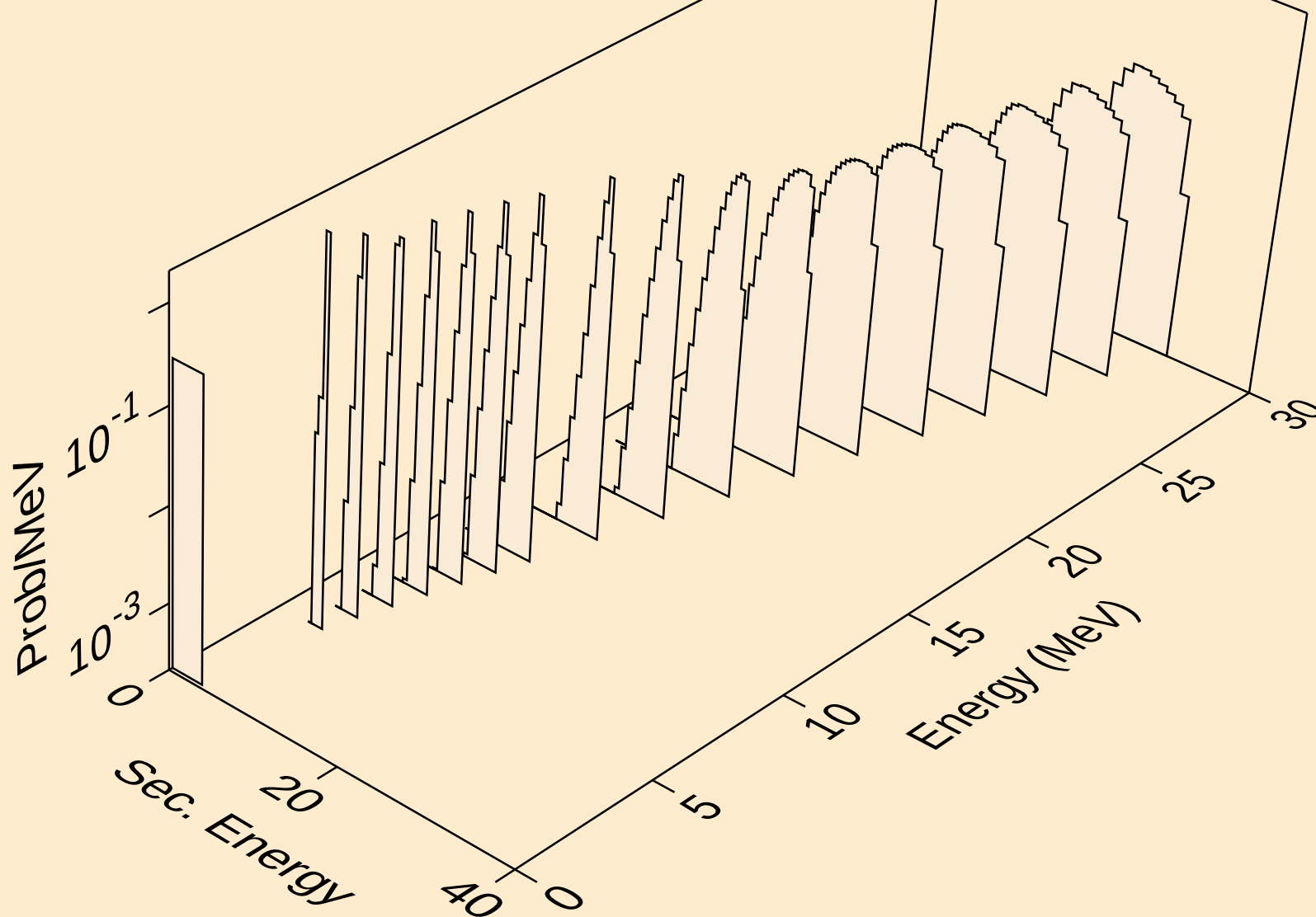
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (p,he3)



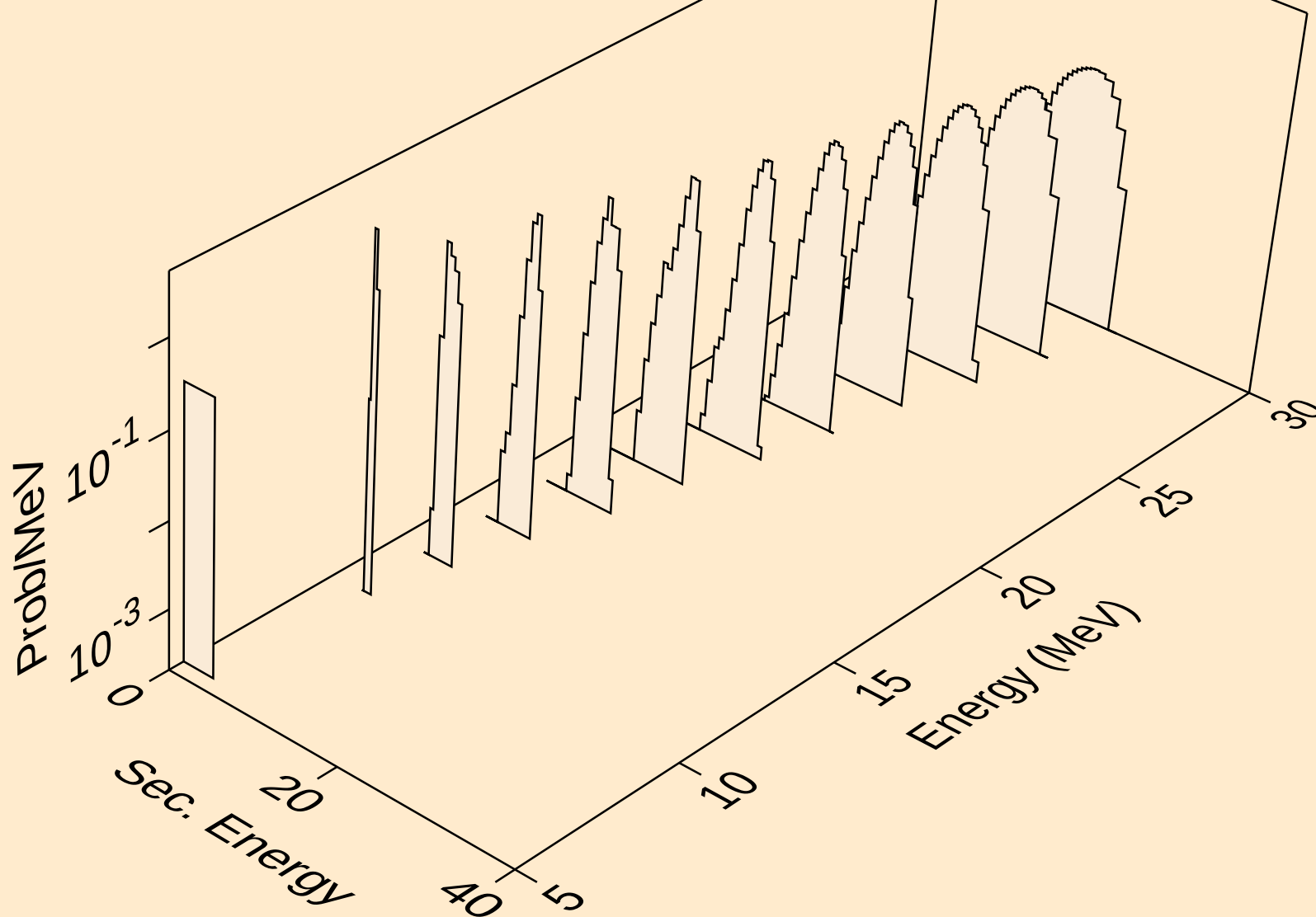
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,x)



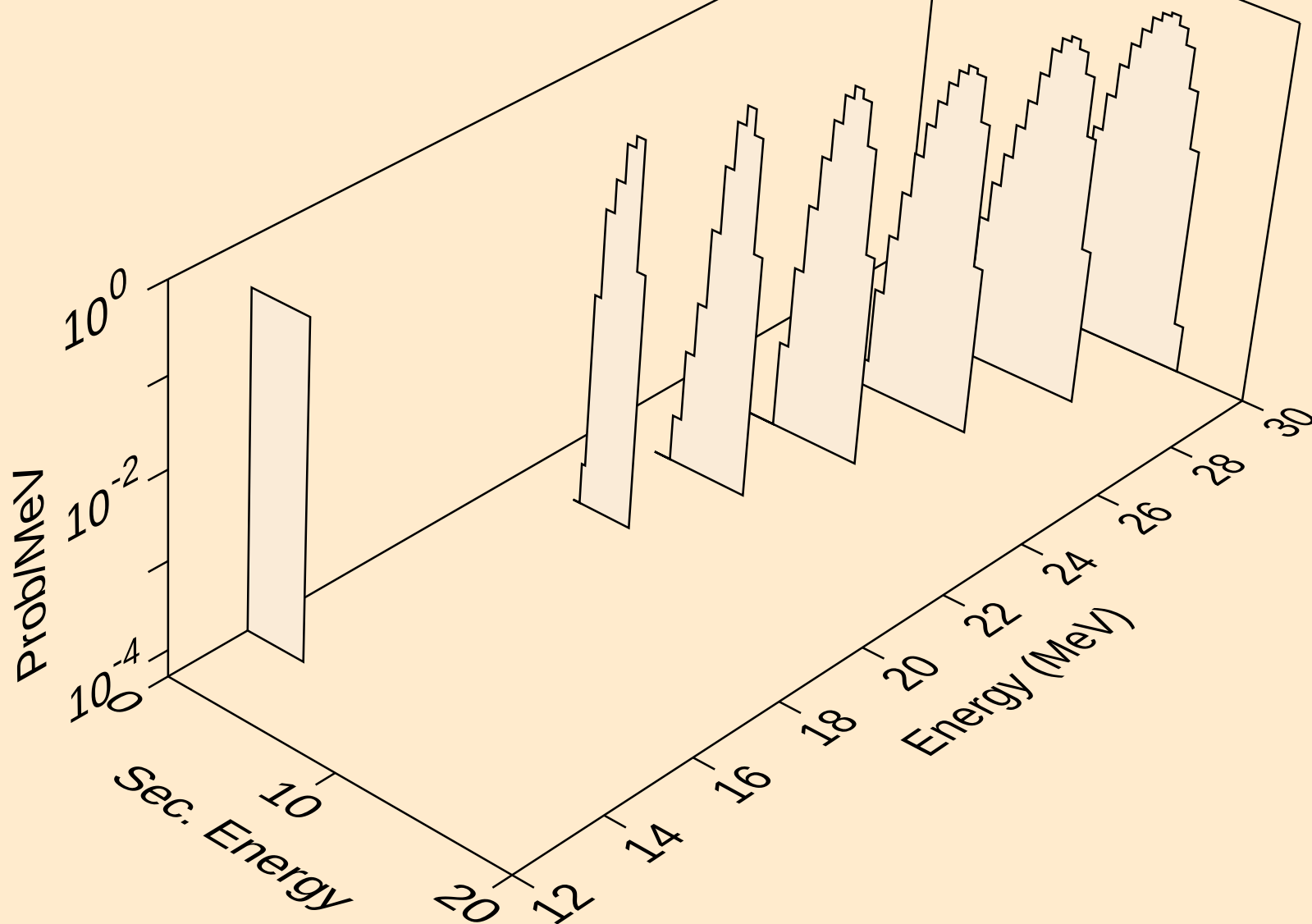
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,n*)a



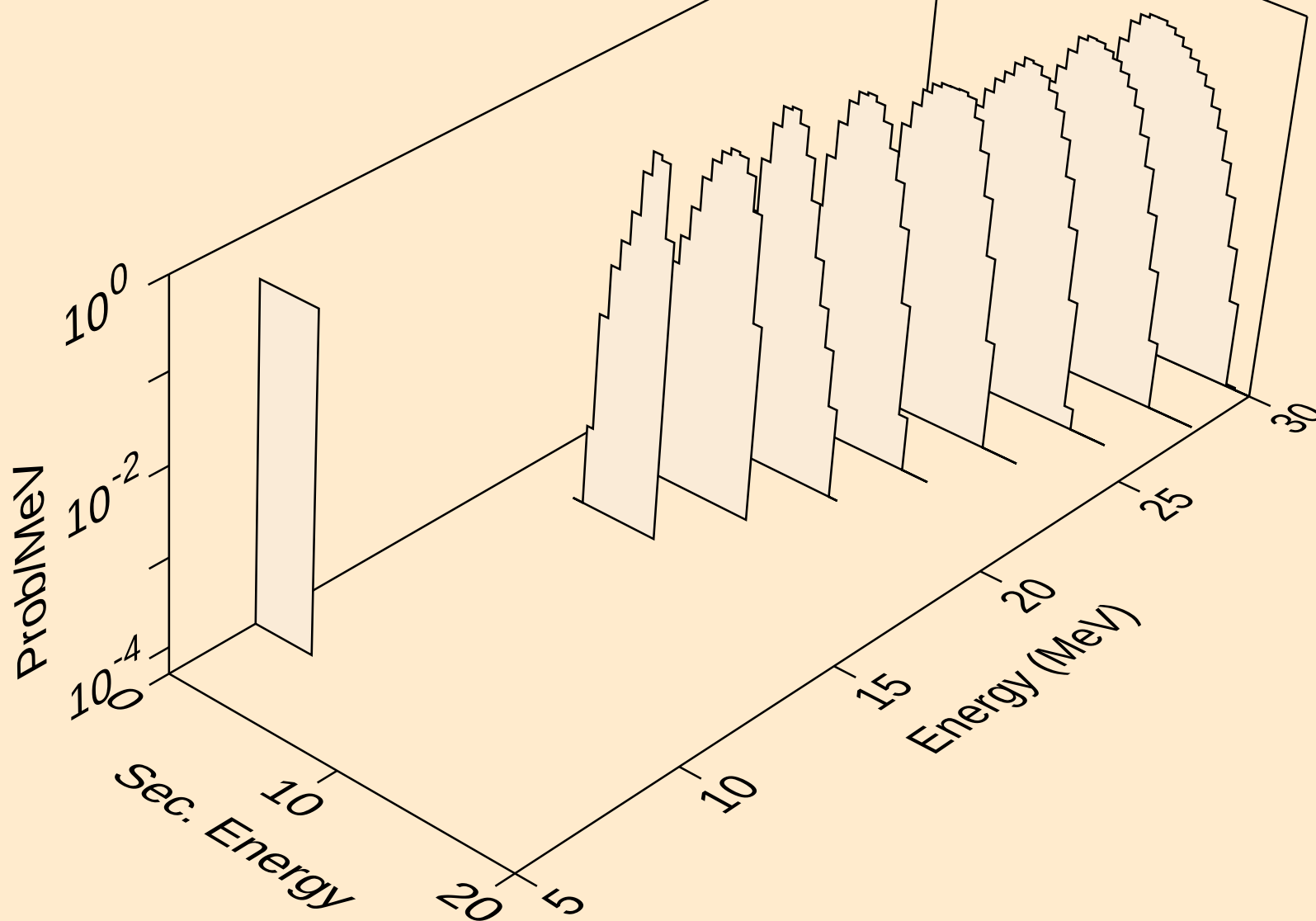
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,2n)a



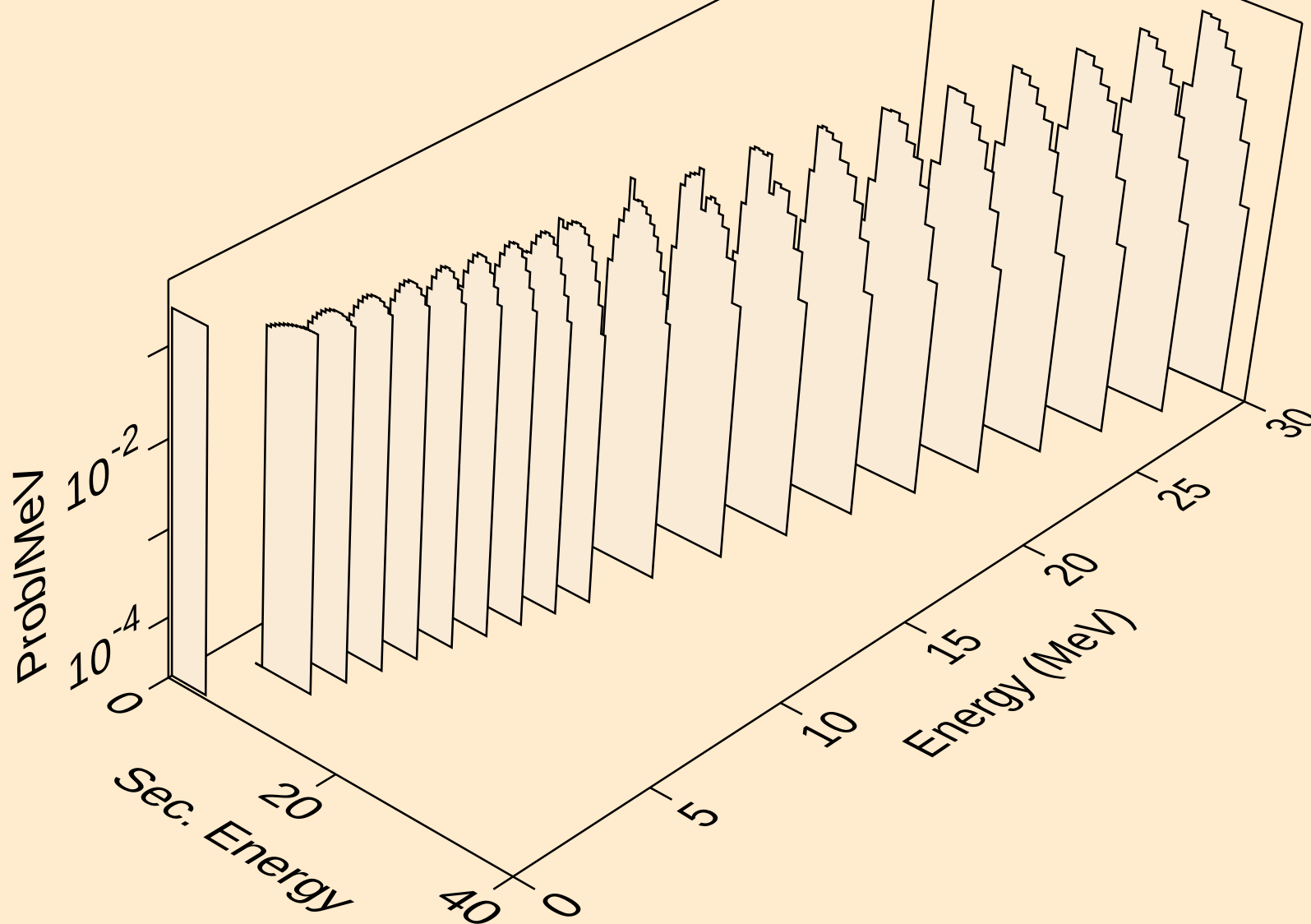
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,3n)a



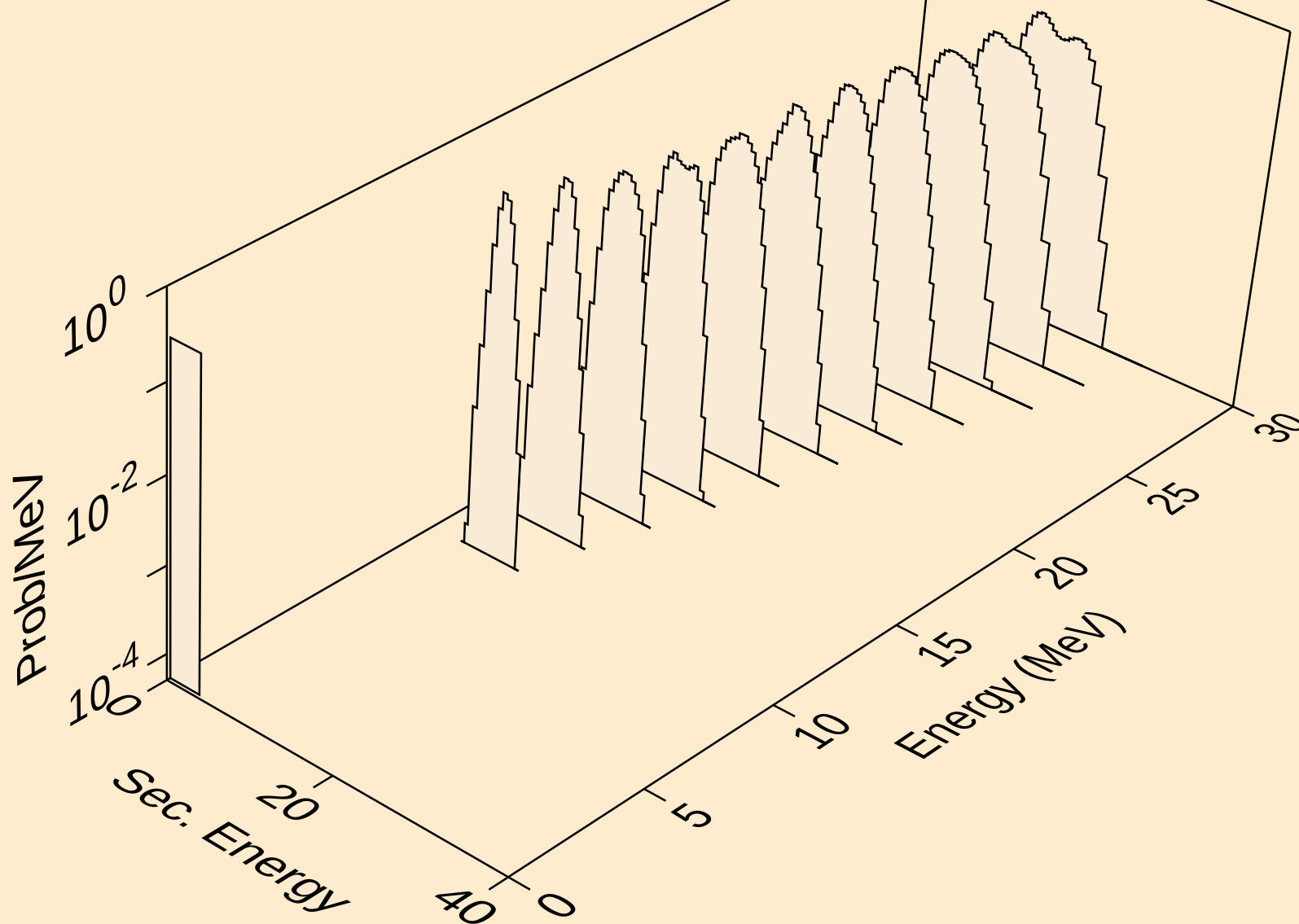
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,npa)



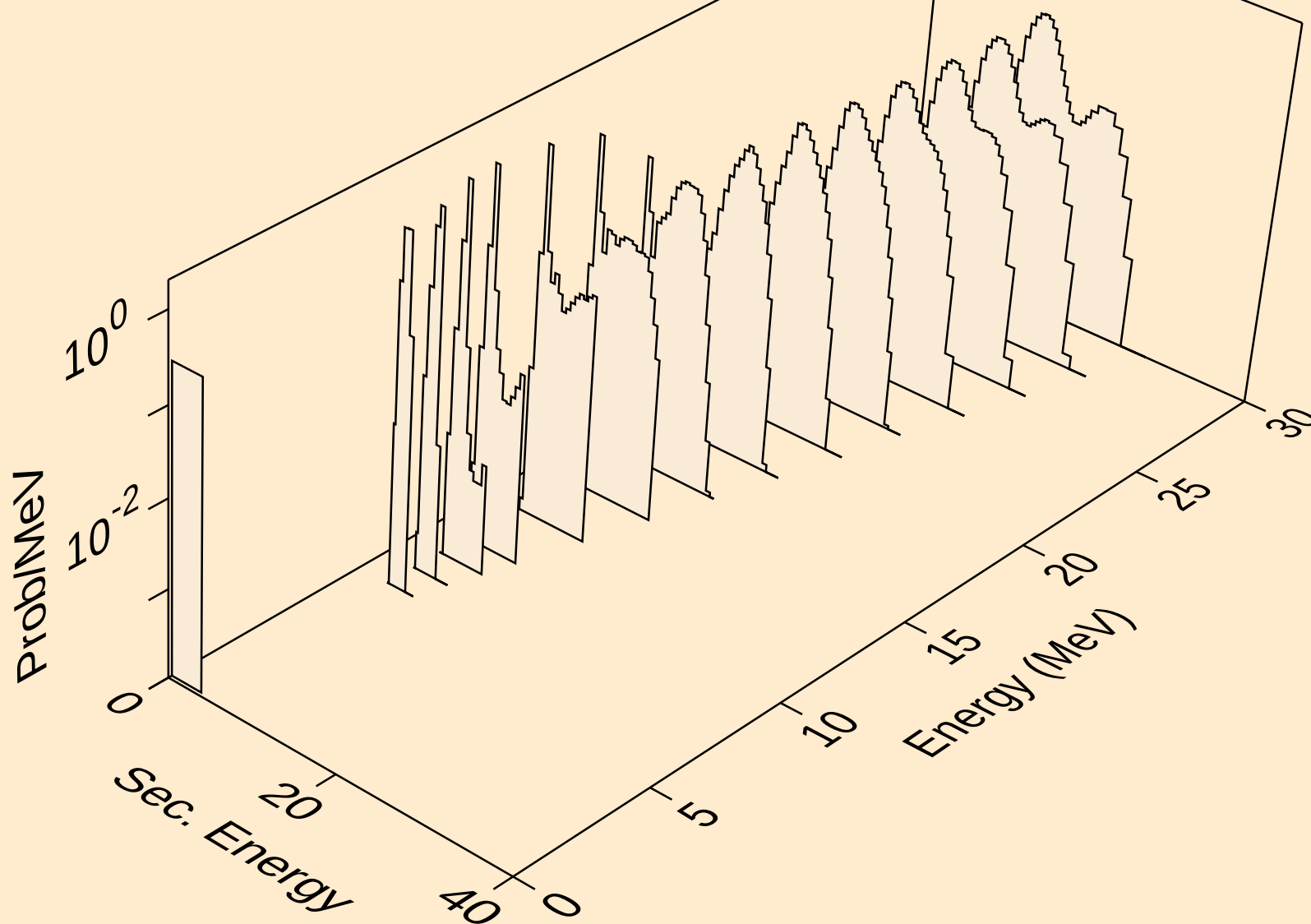
XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,a)



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,2a)



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,pa)



XE138 PROTON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (p,da)

