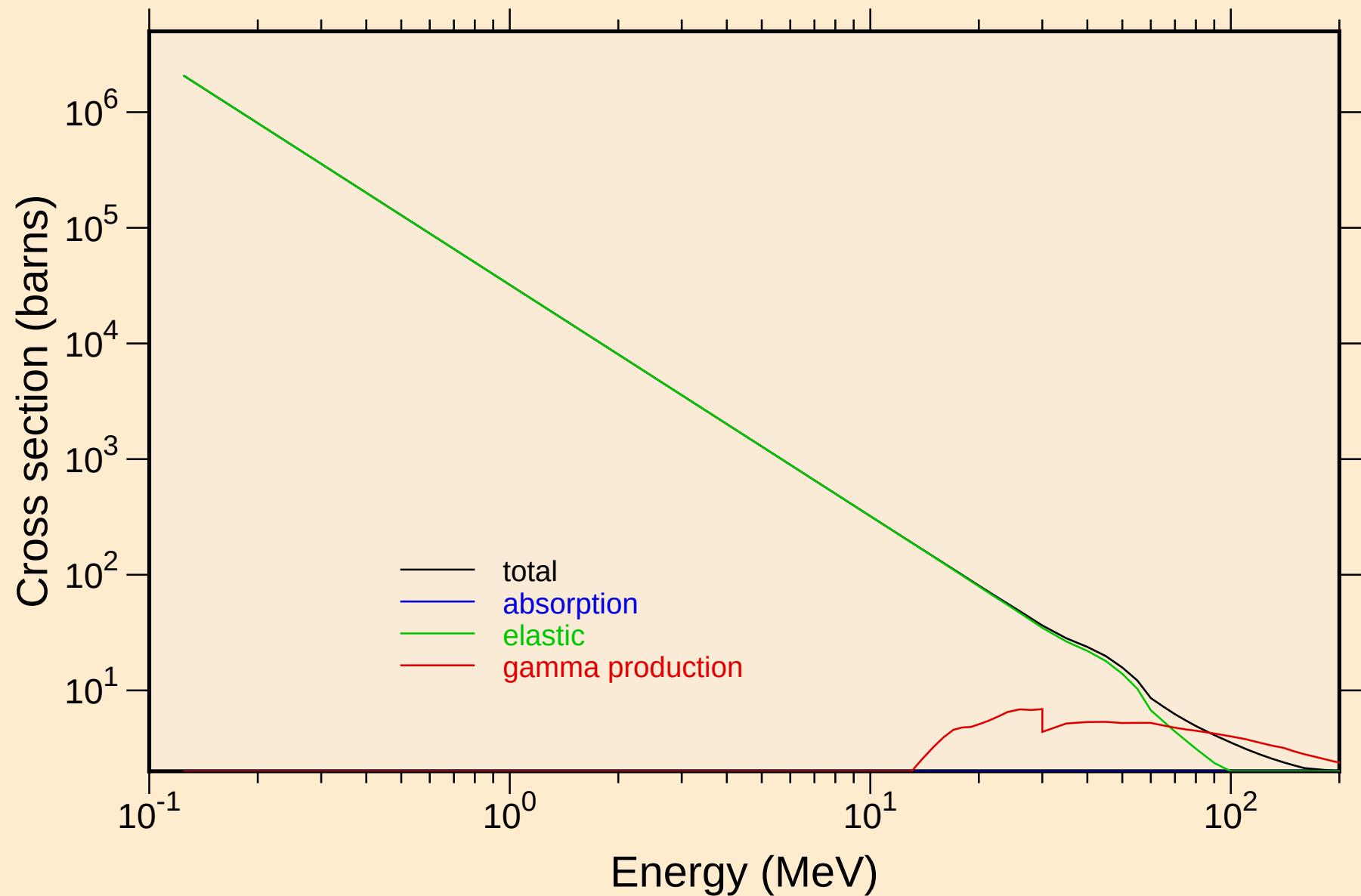


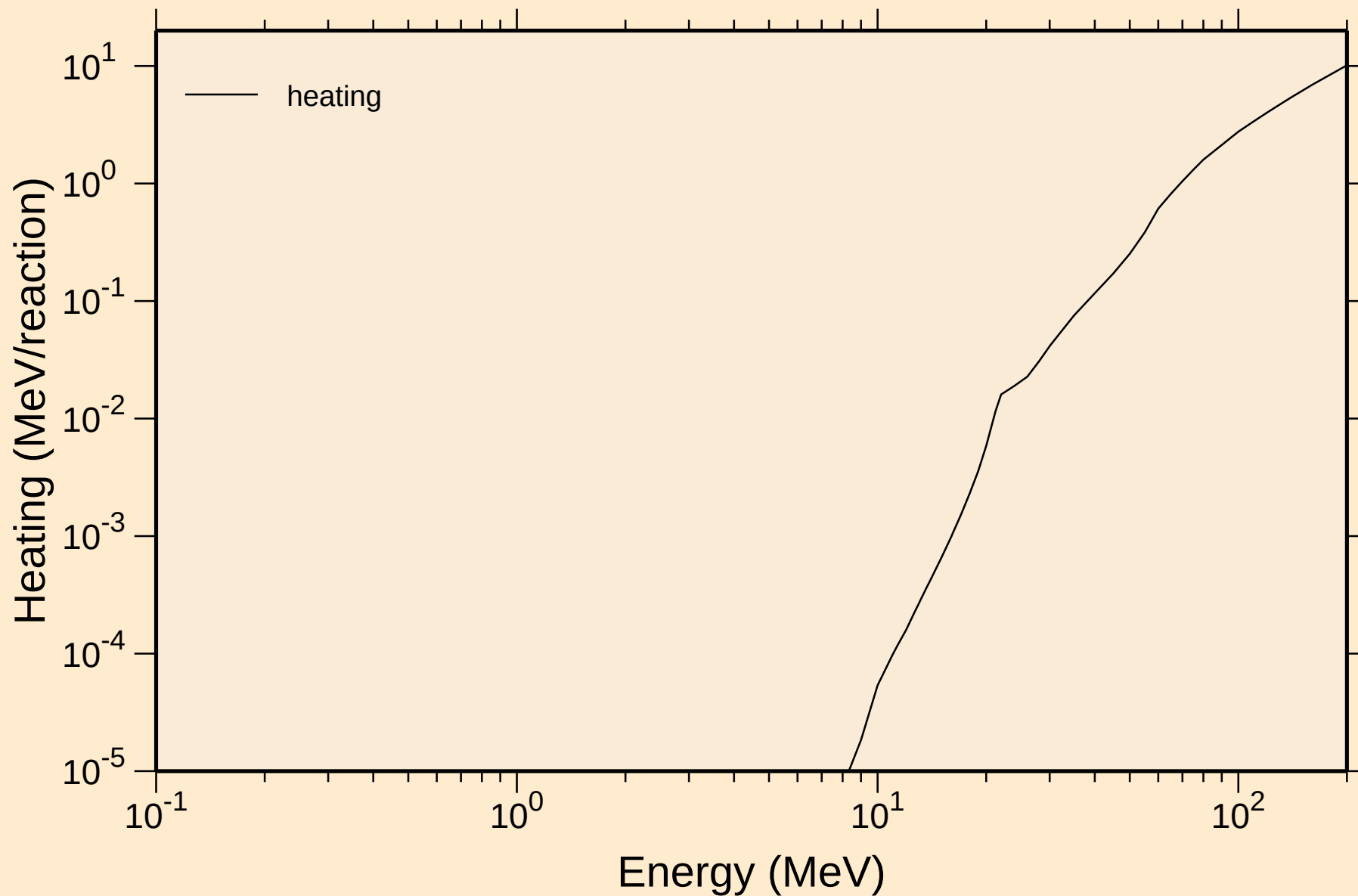
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



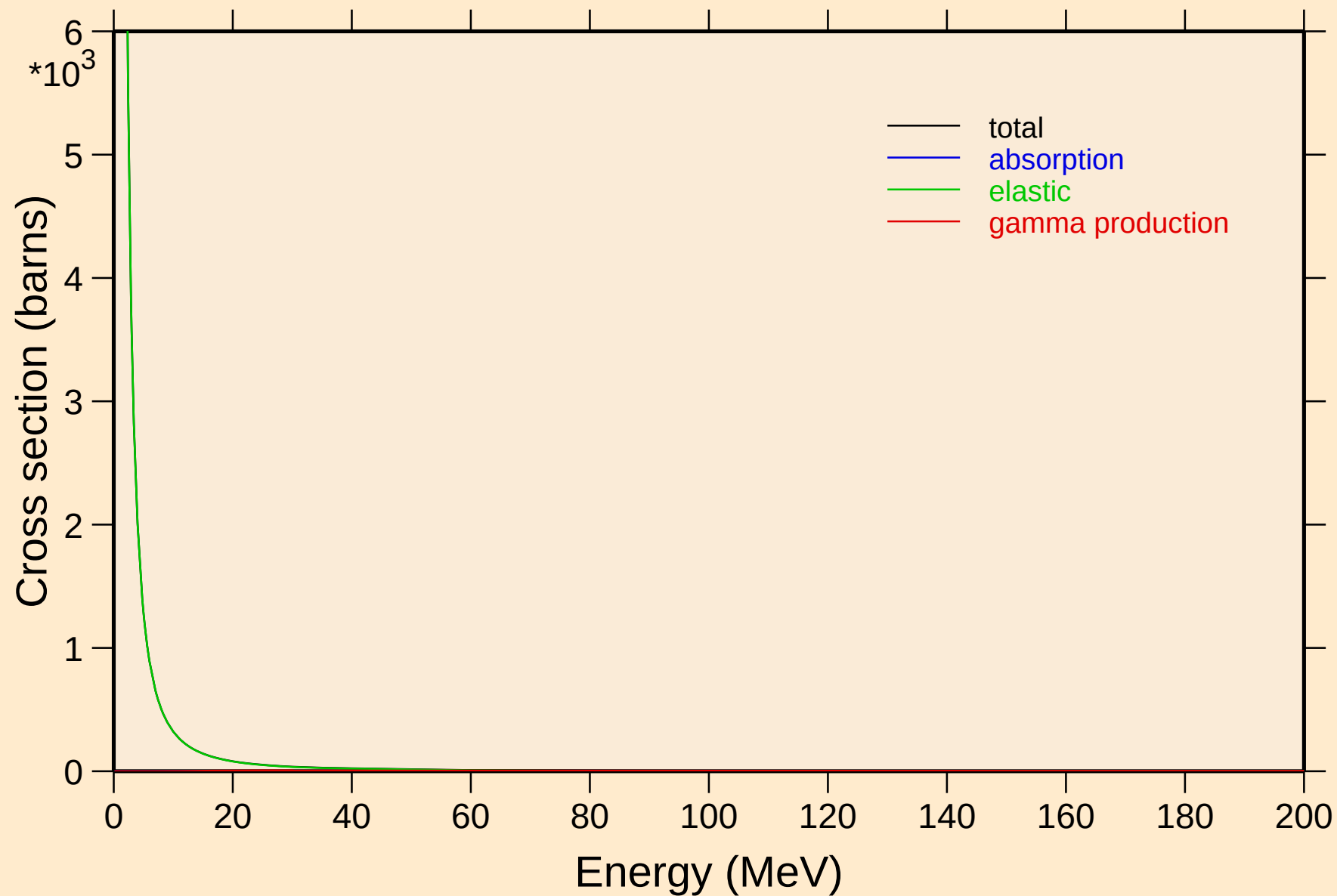
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



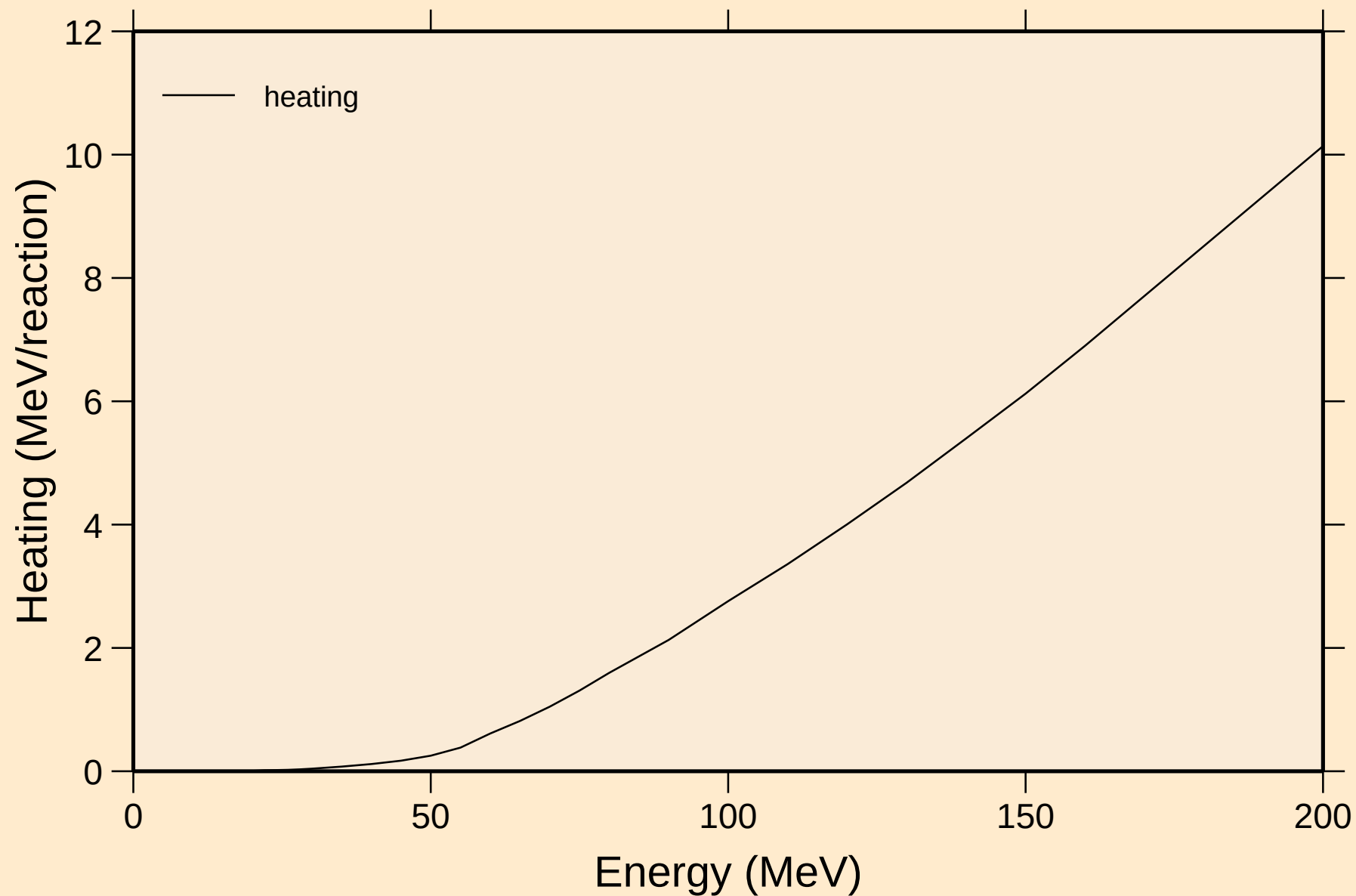
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



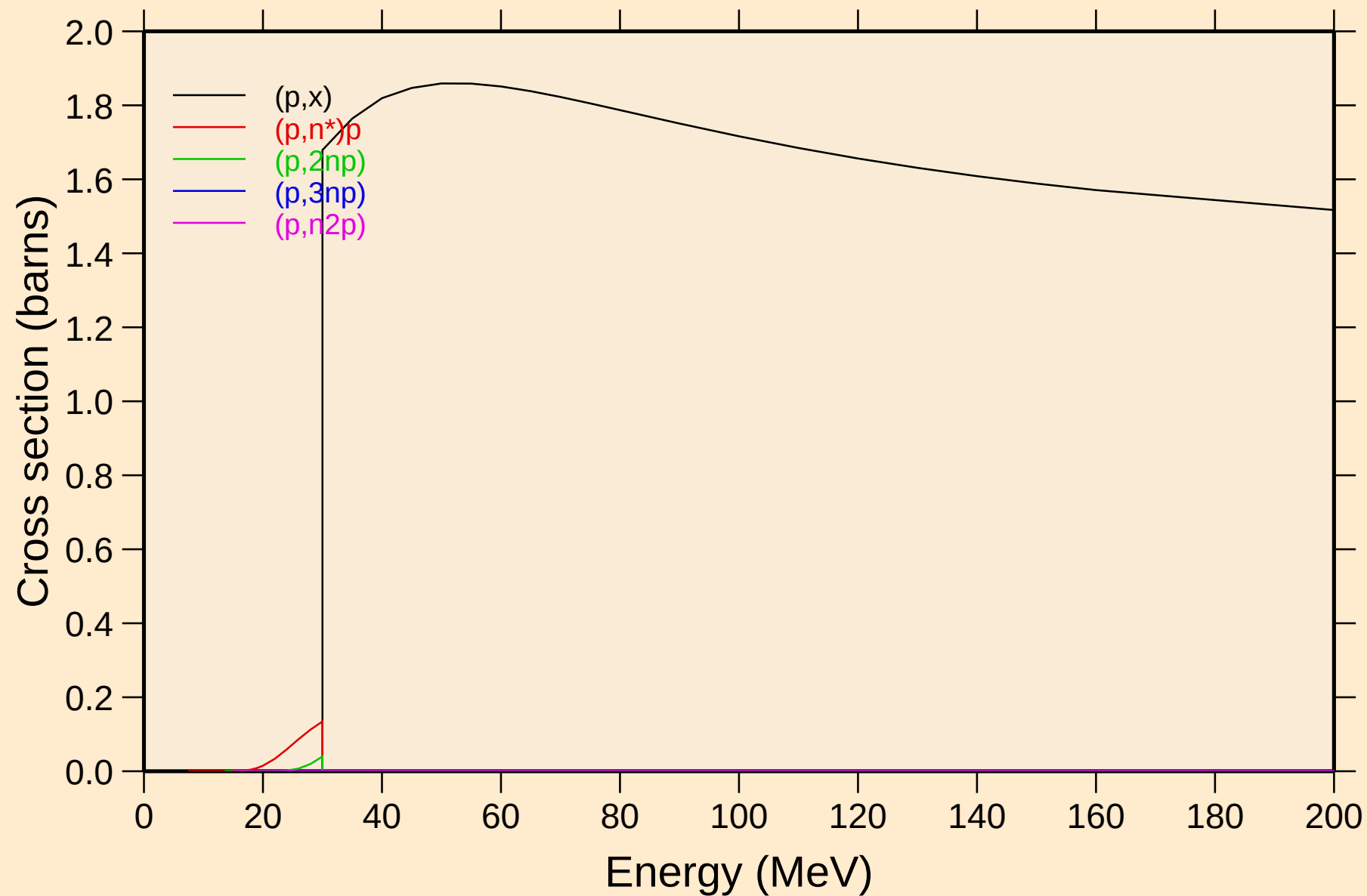
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



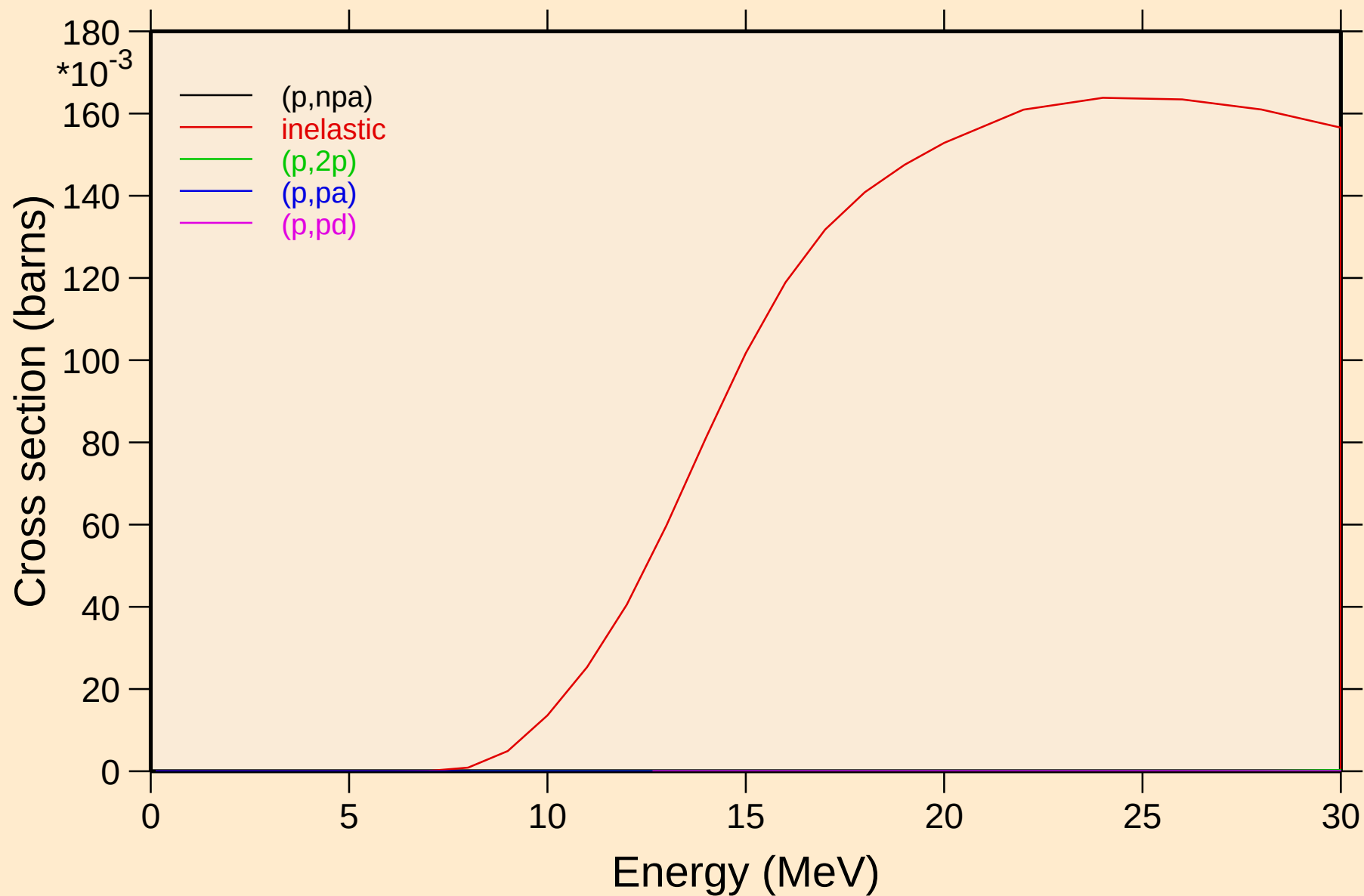
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



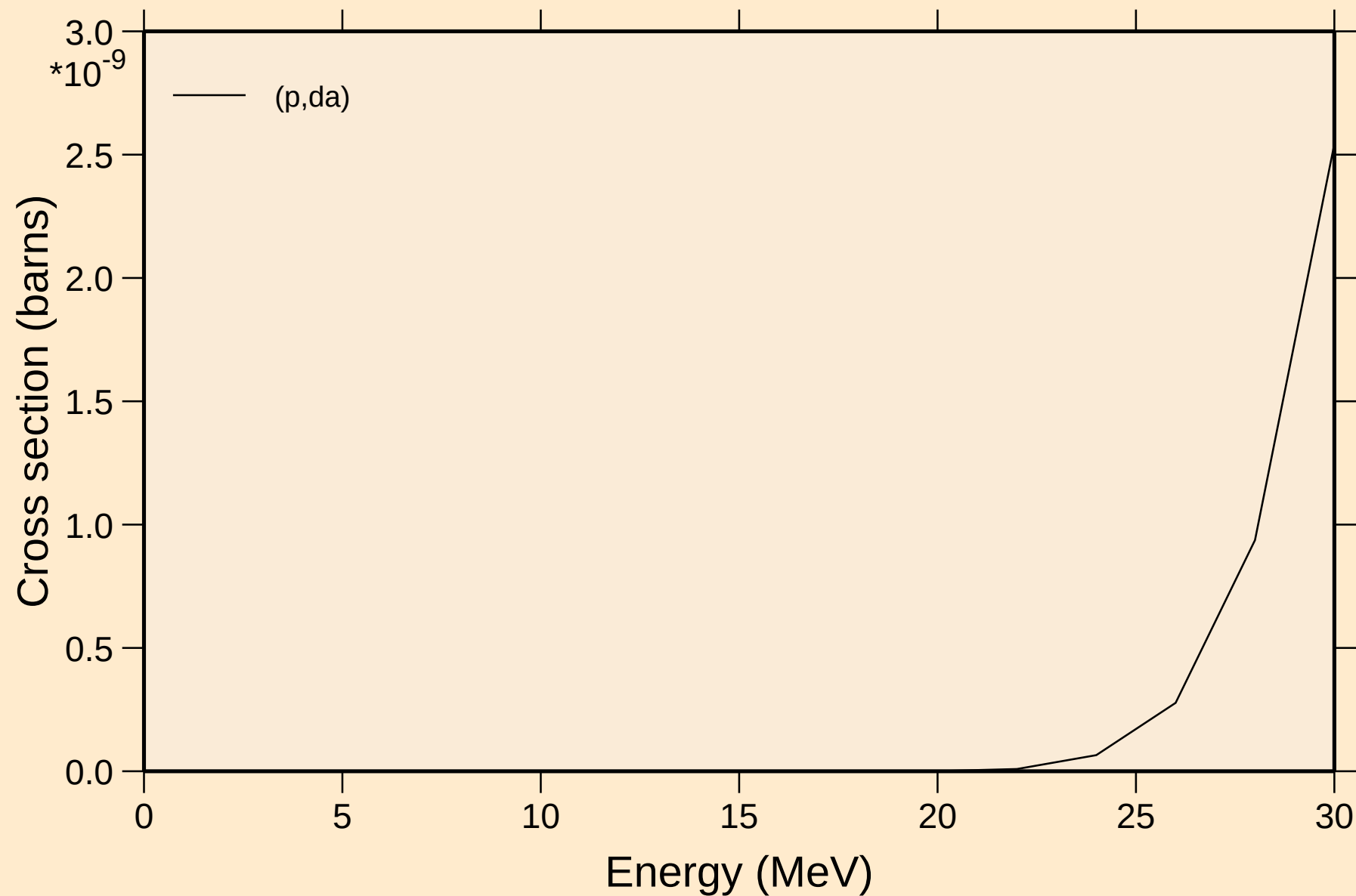
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

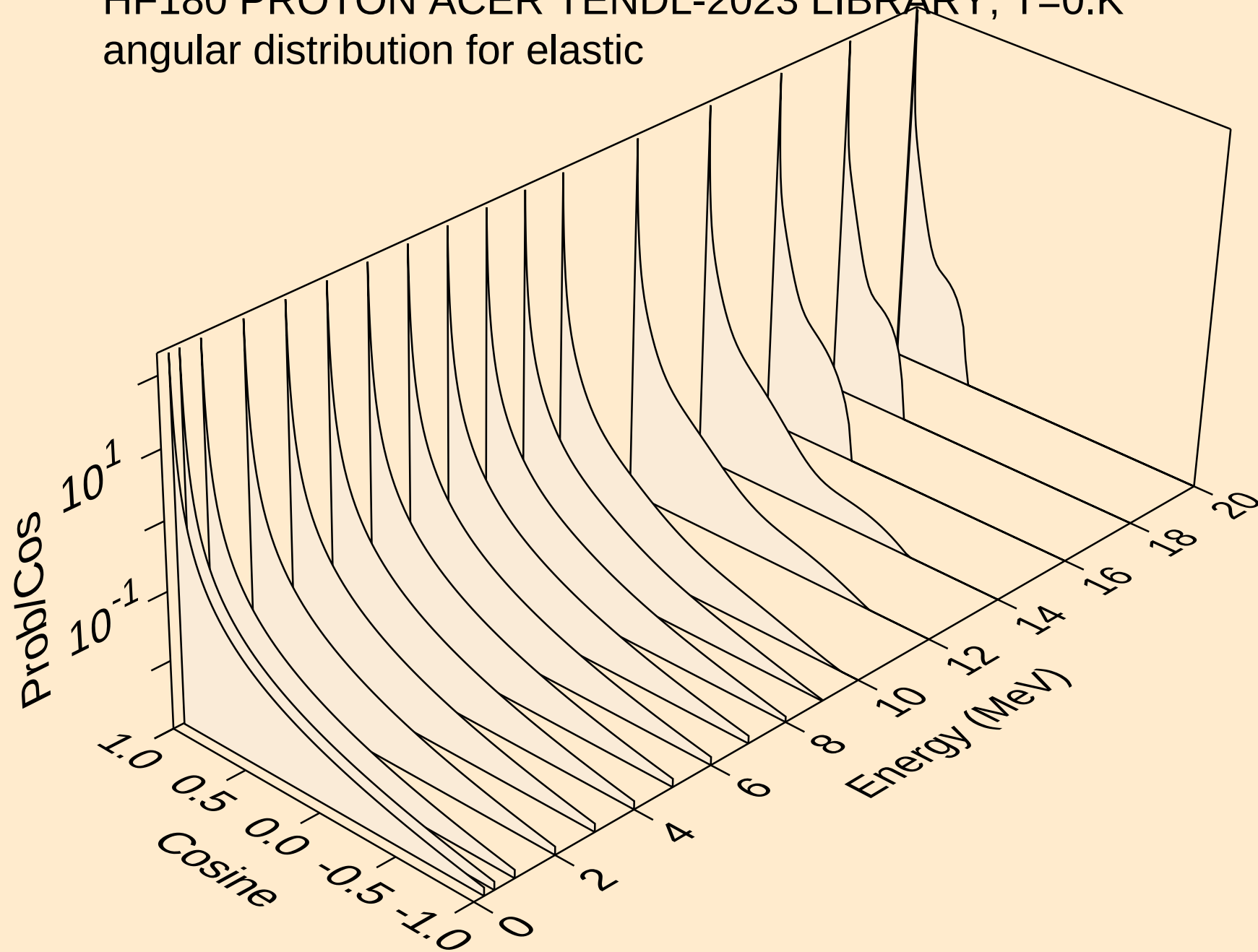


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

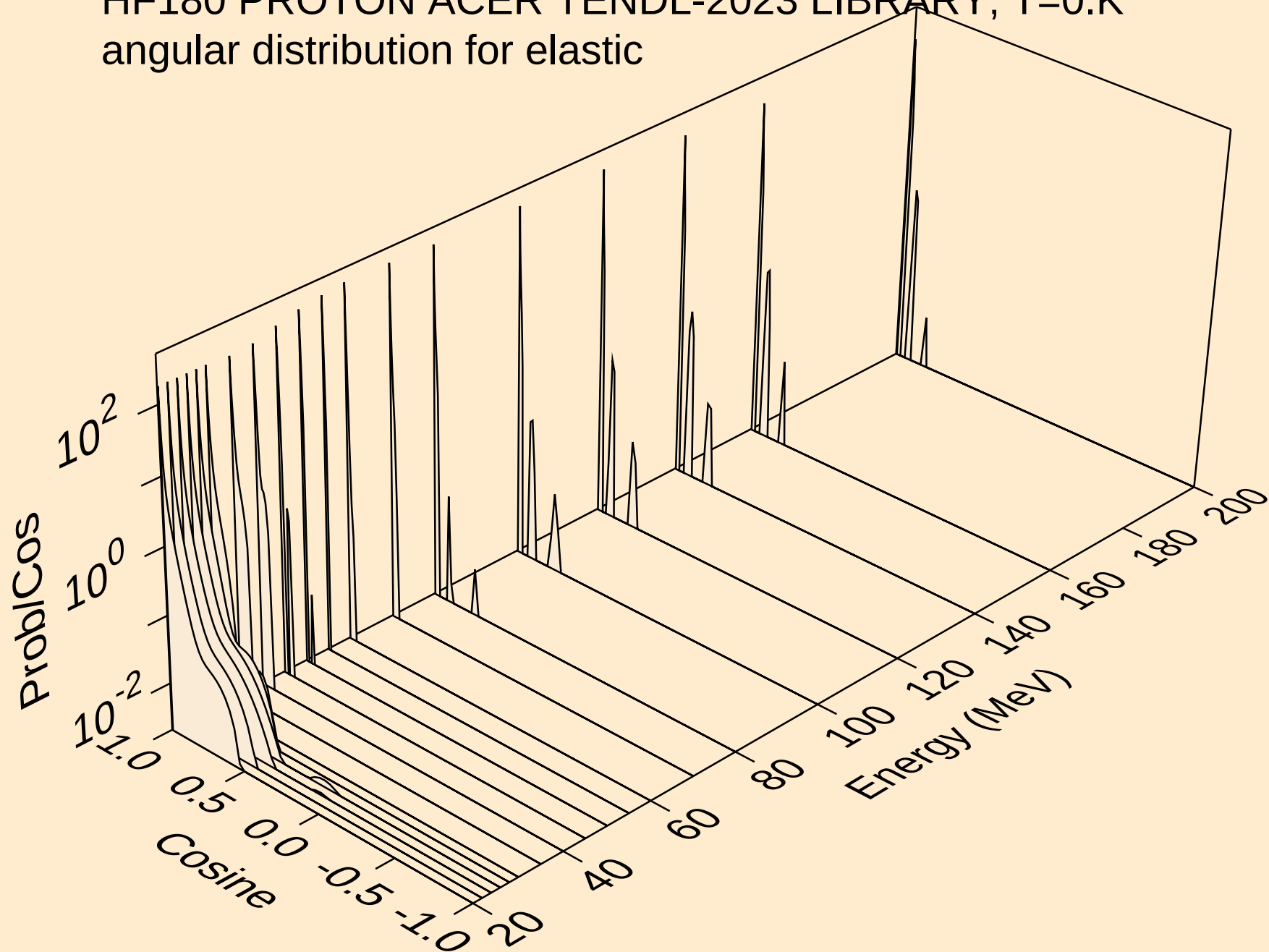
Threshold reactions



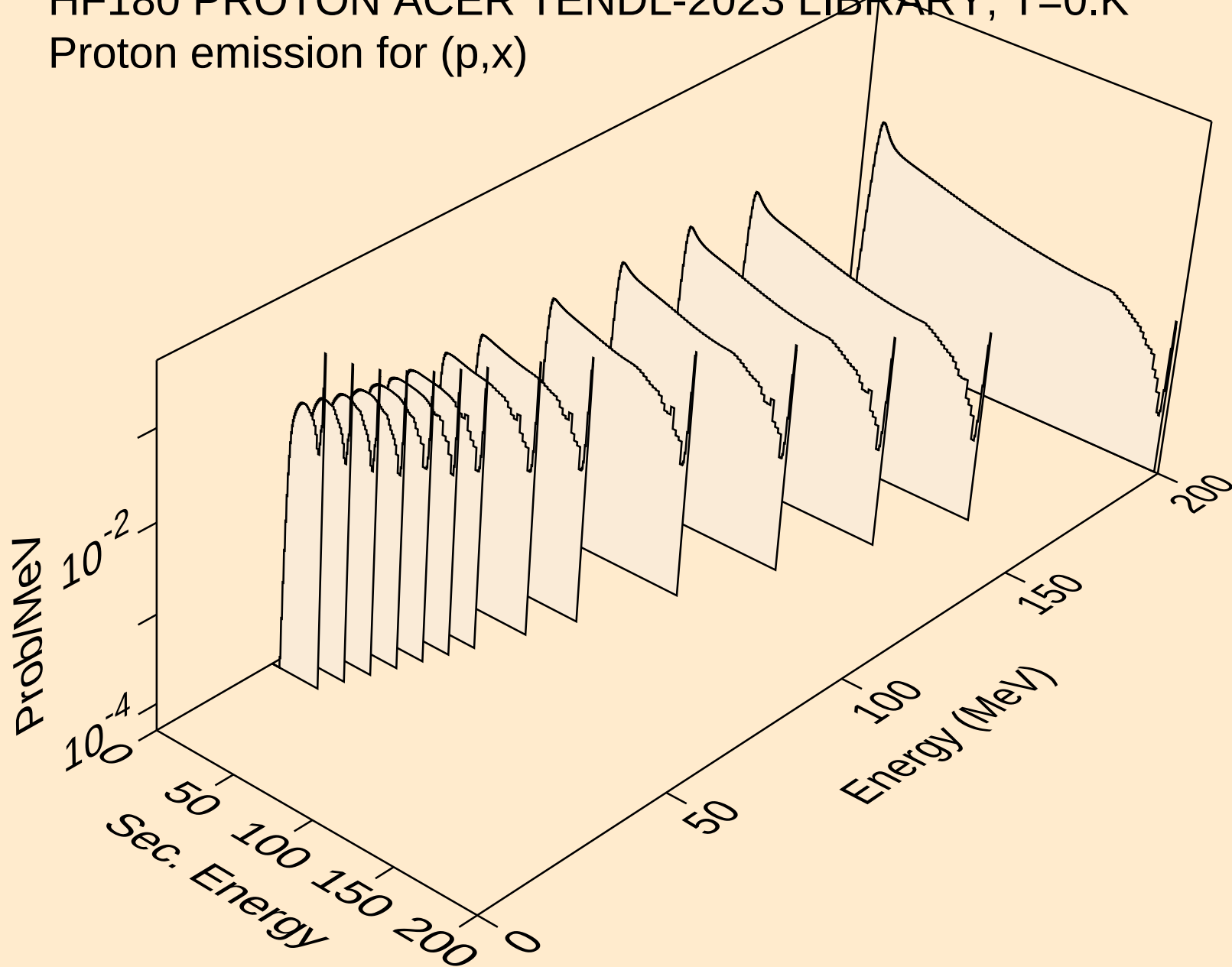
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

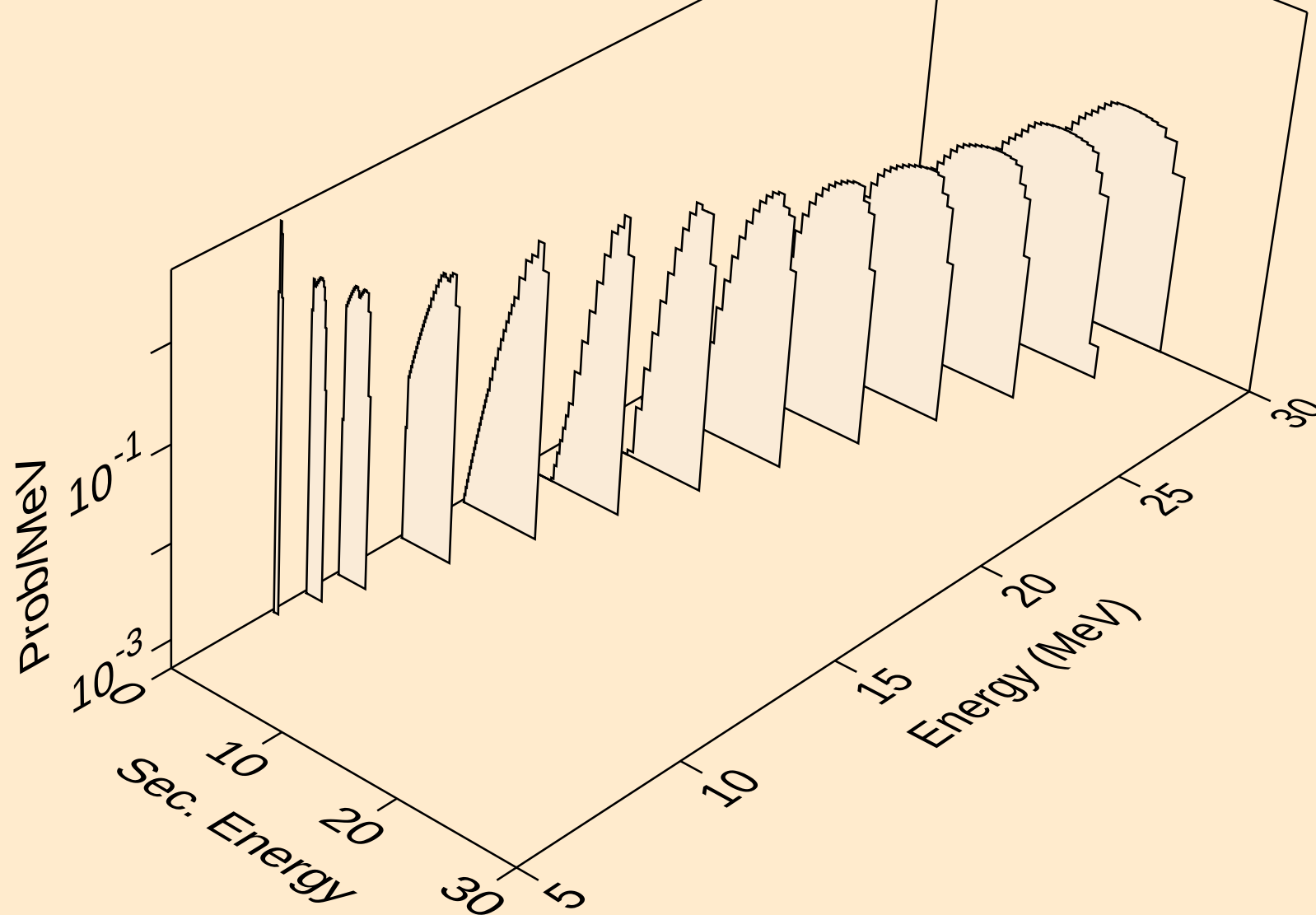


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)

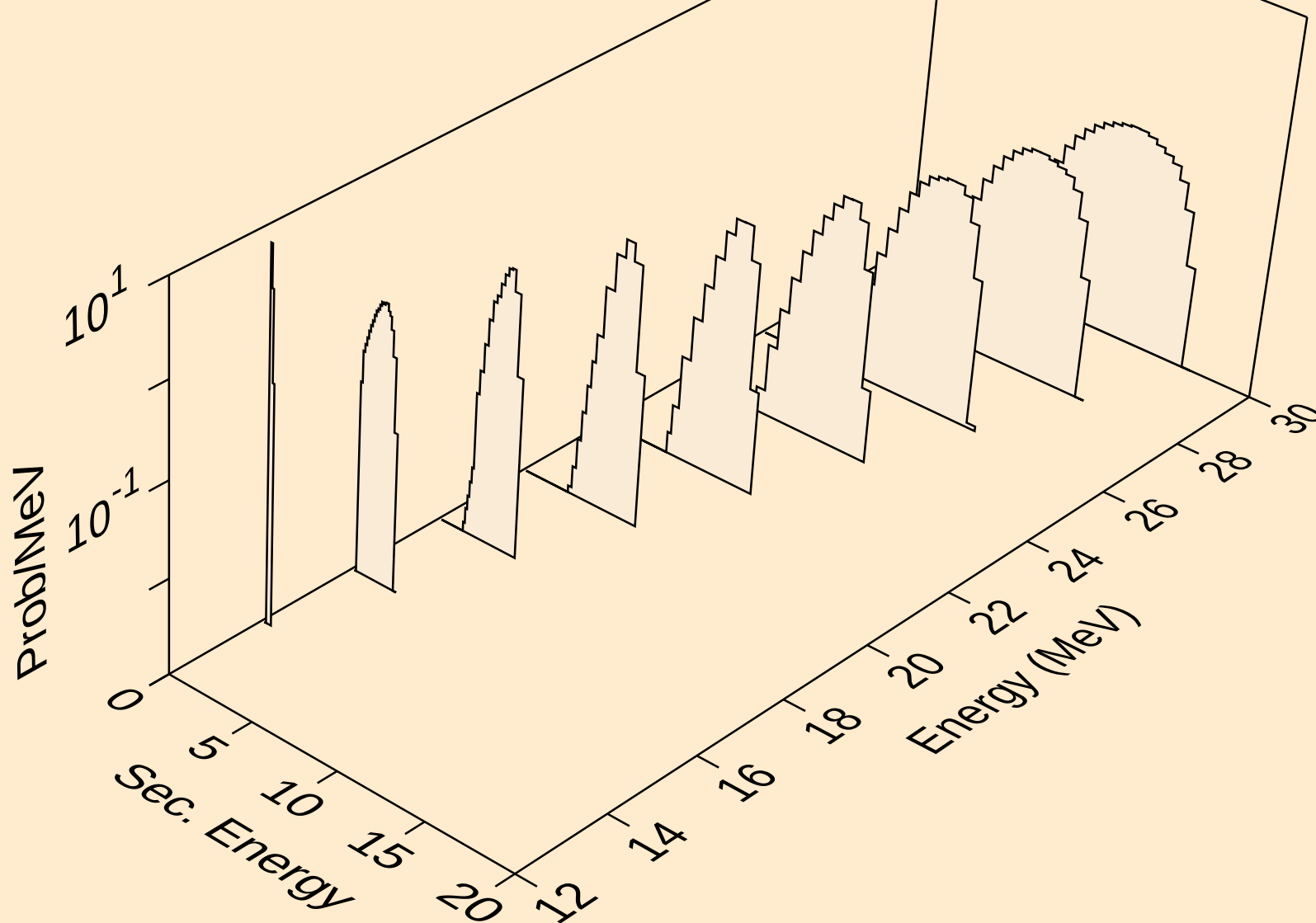


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

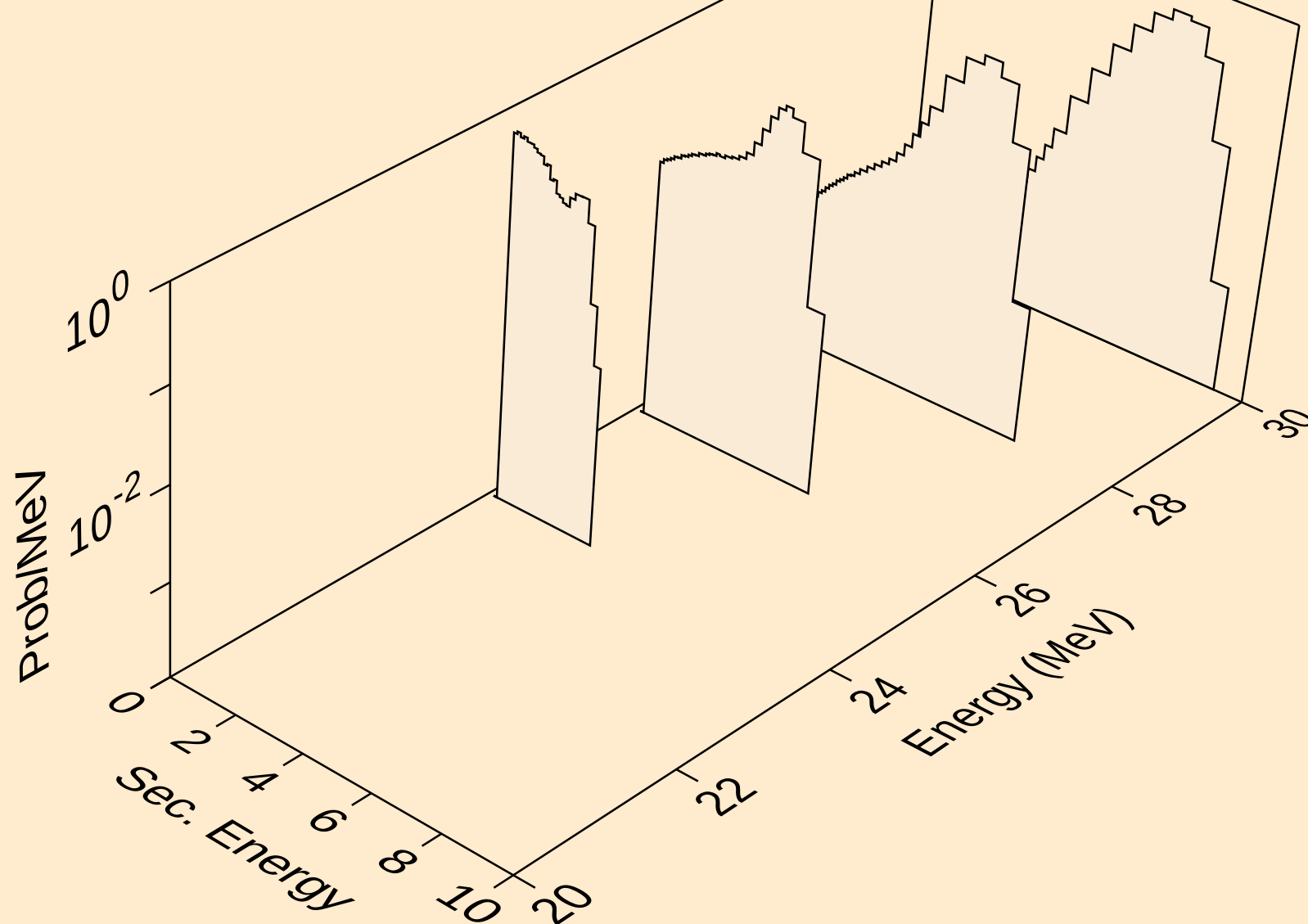
Proton emission for (p,n*)p



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)

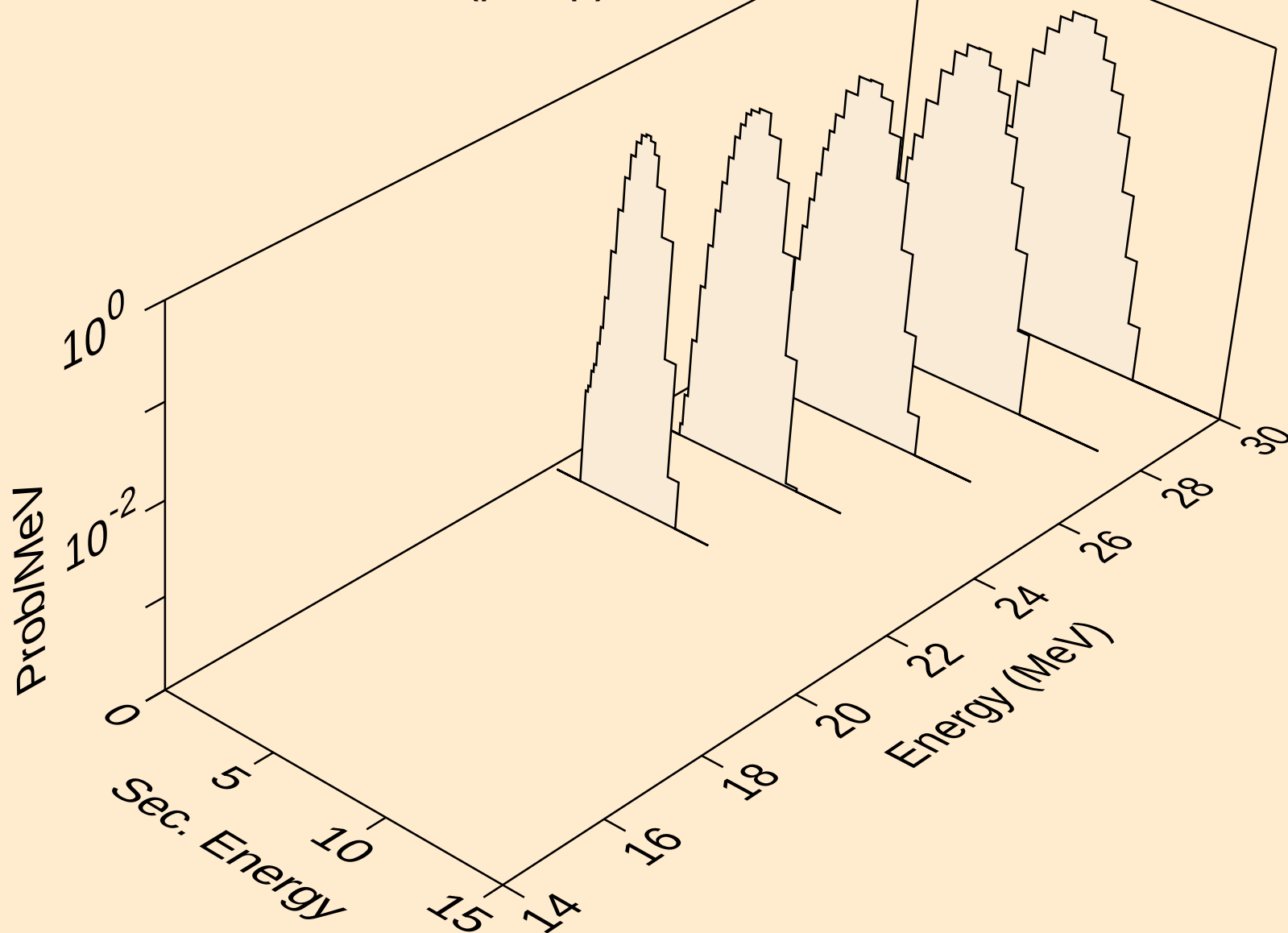


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,3np)

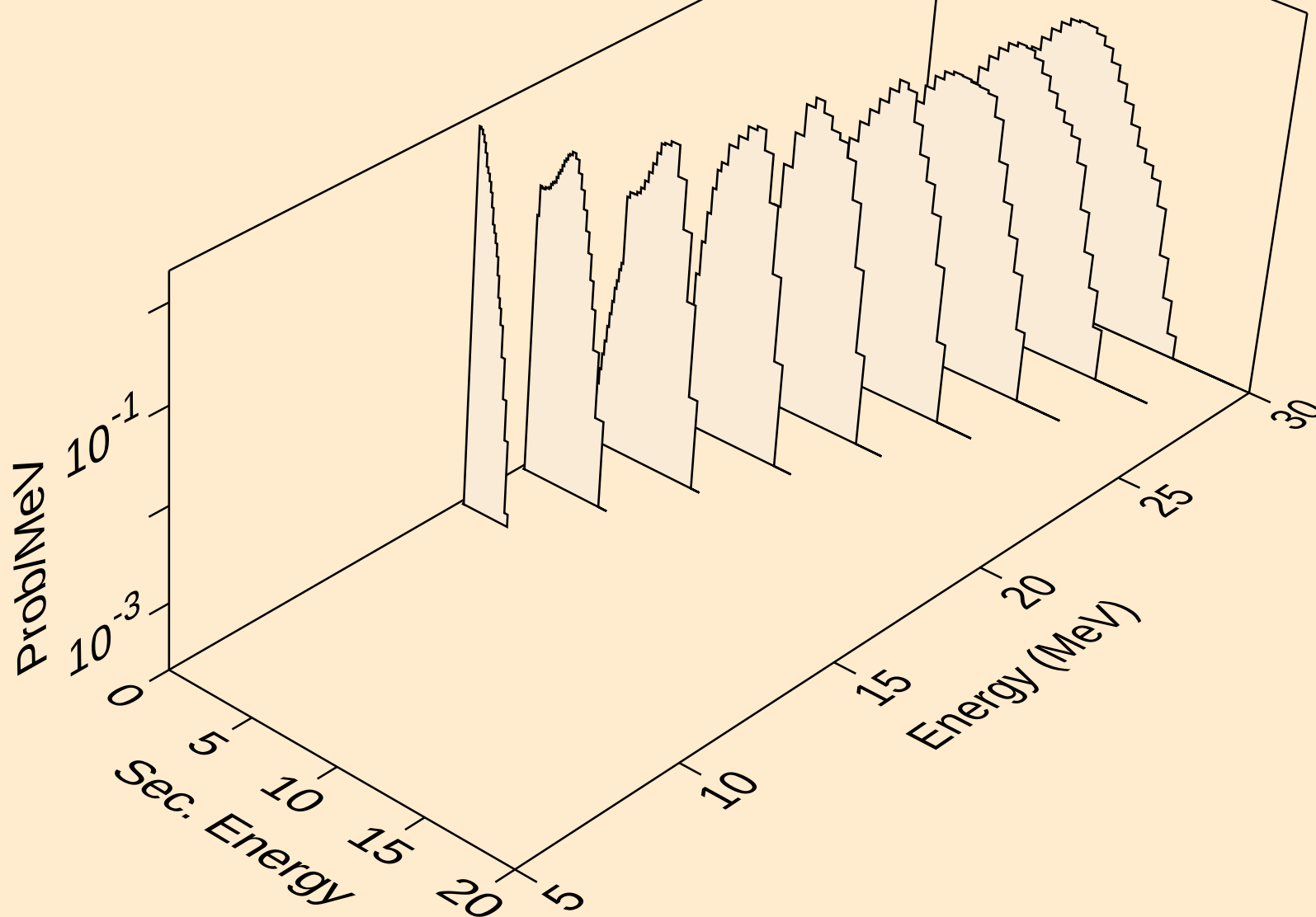


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

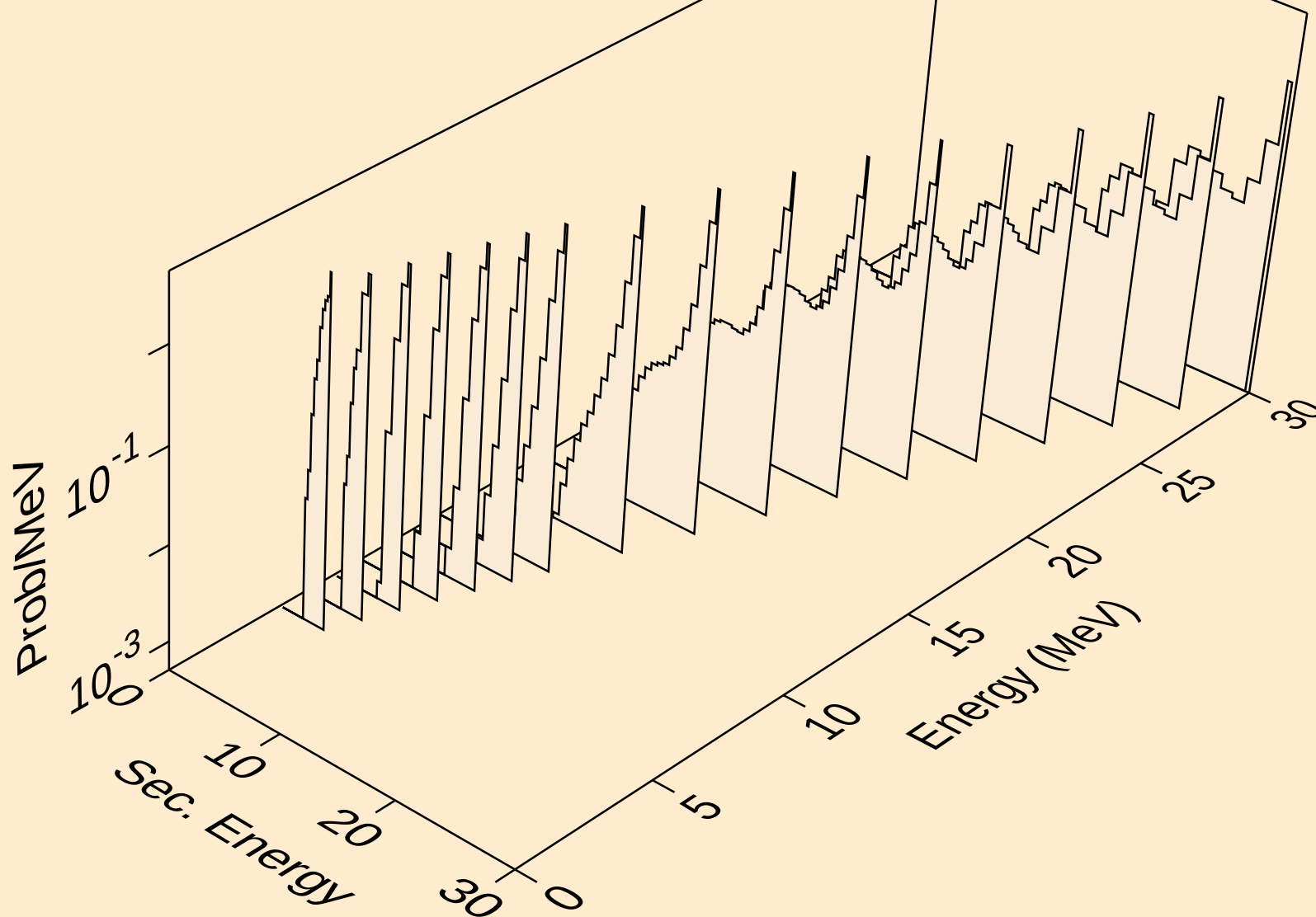
Proton emission for (p,n2p)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)

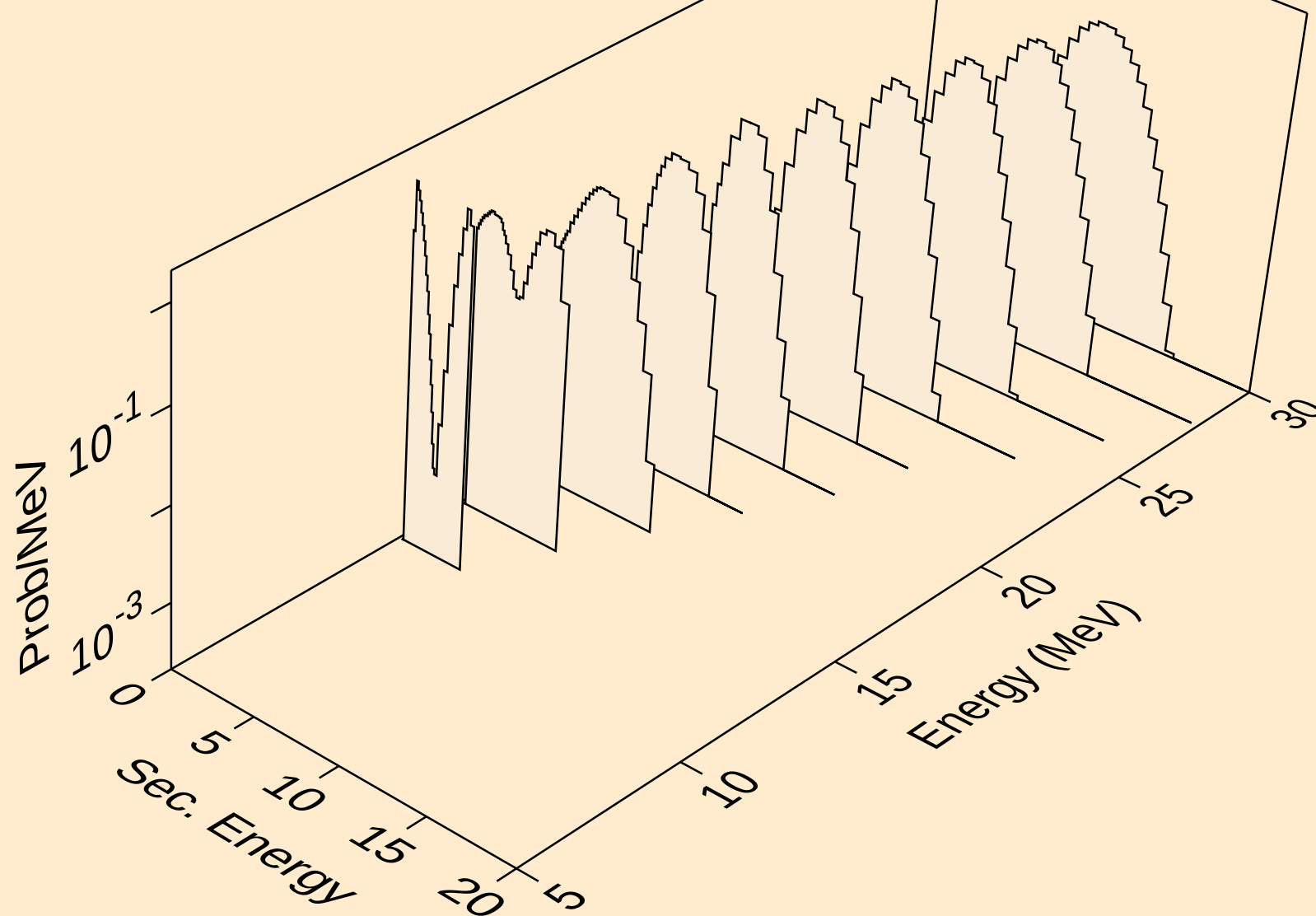


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



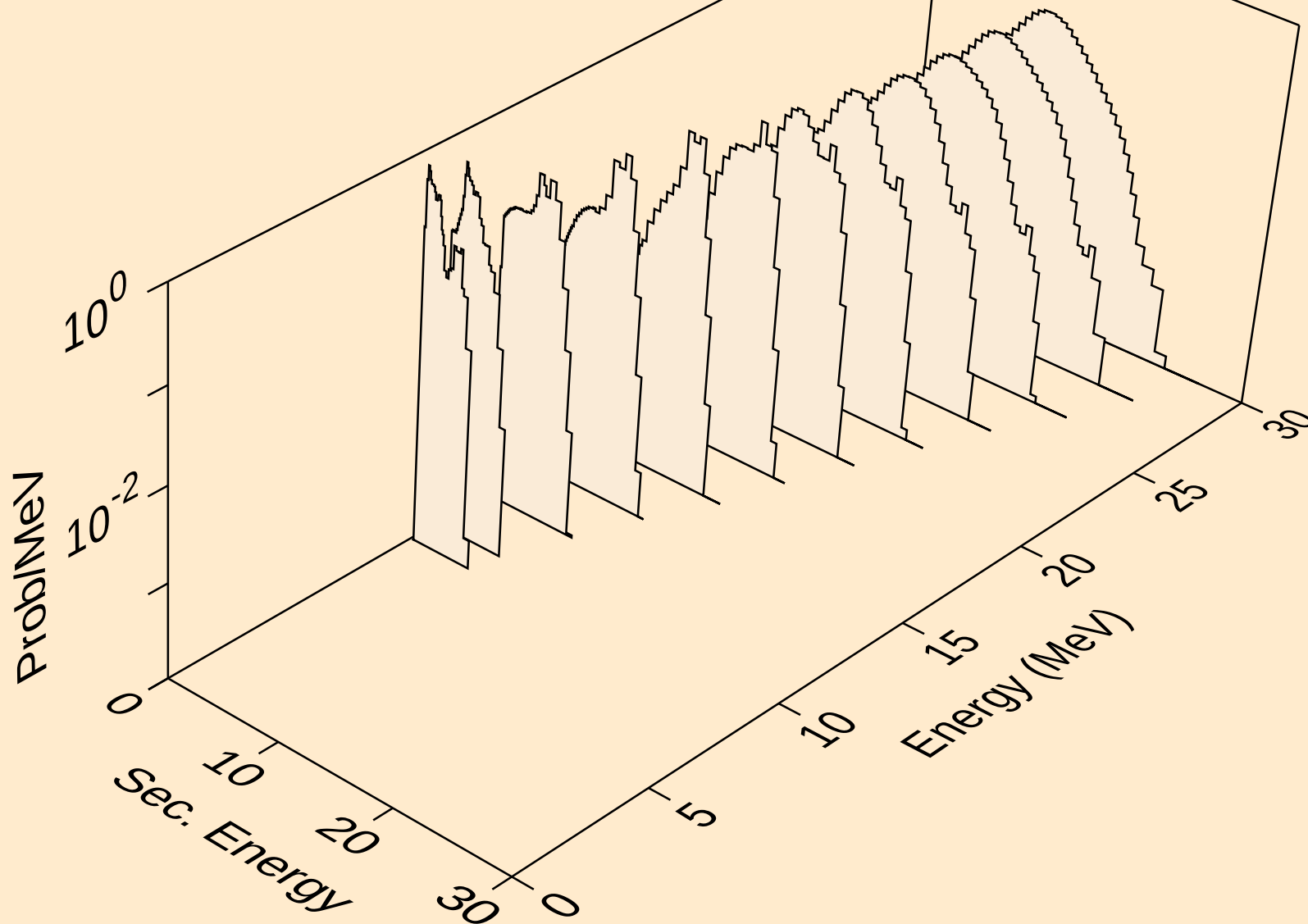
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2p)



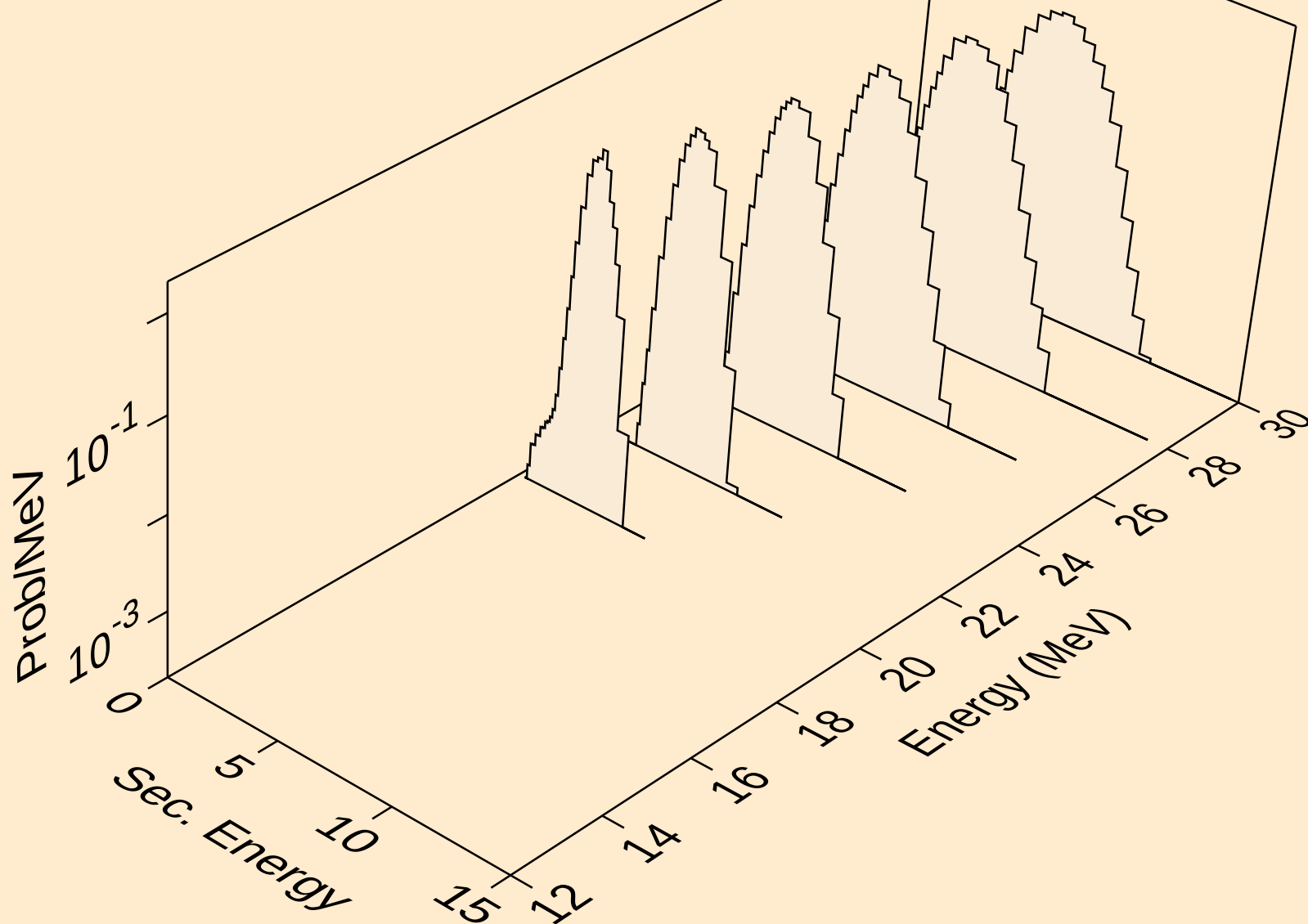
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pa)



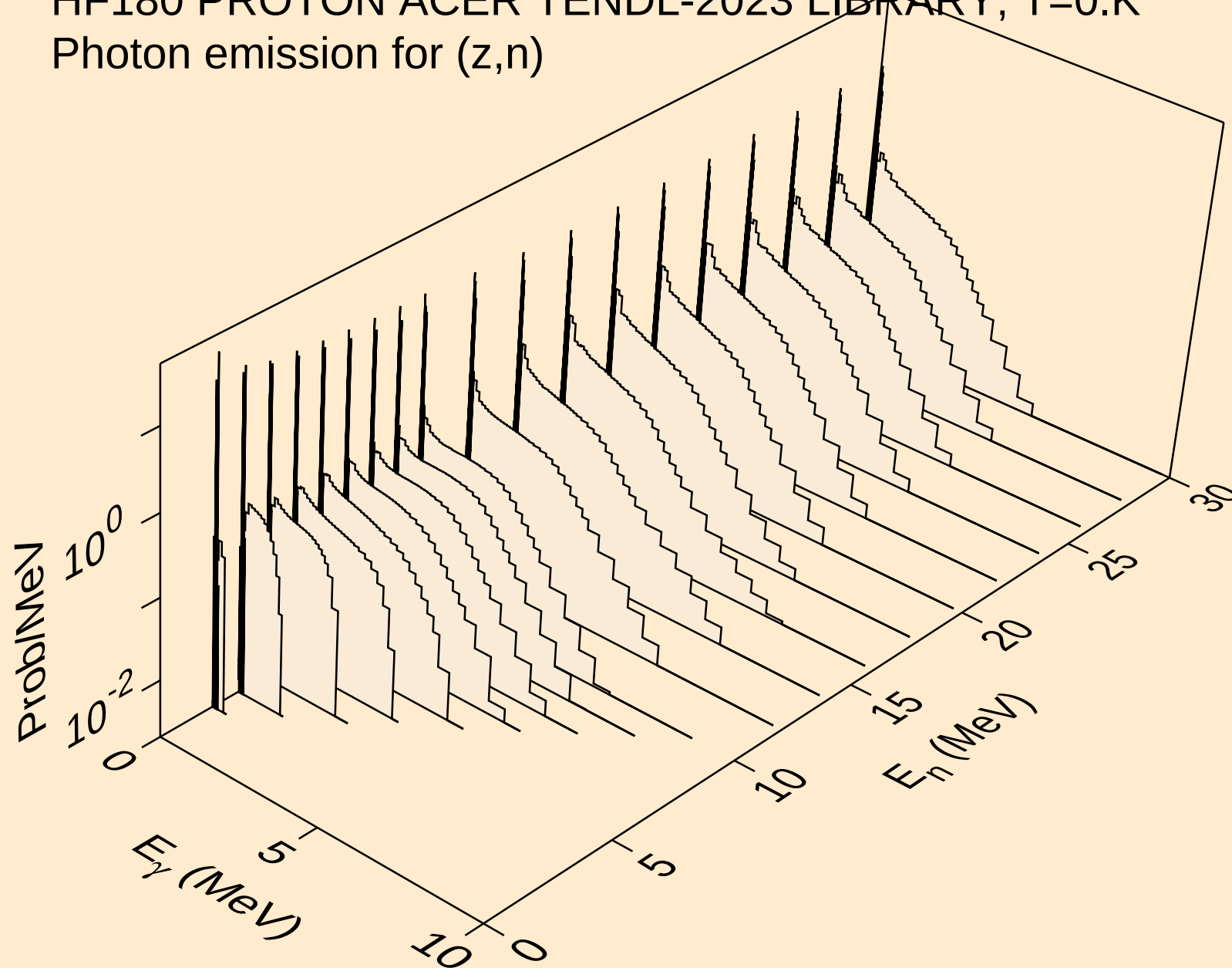
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pd)



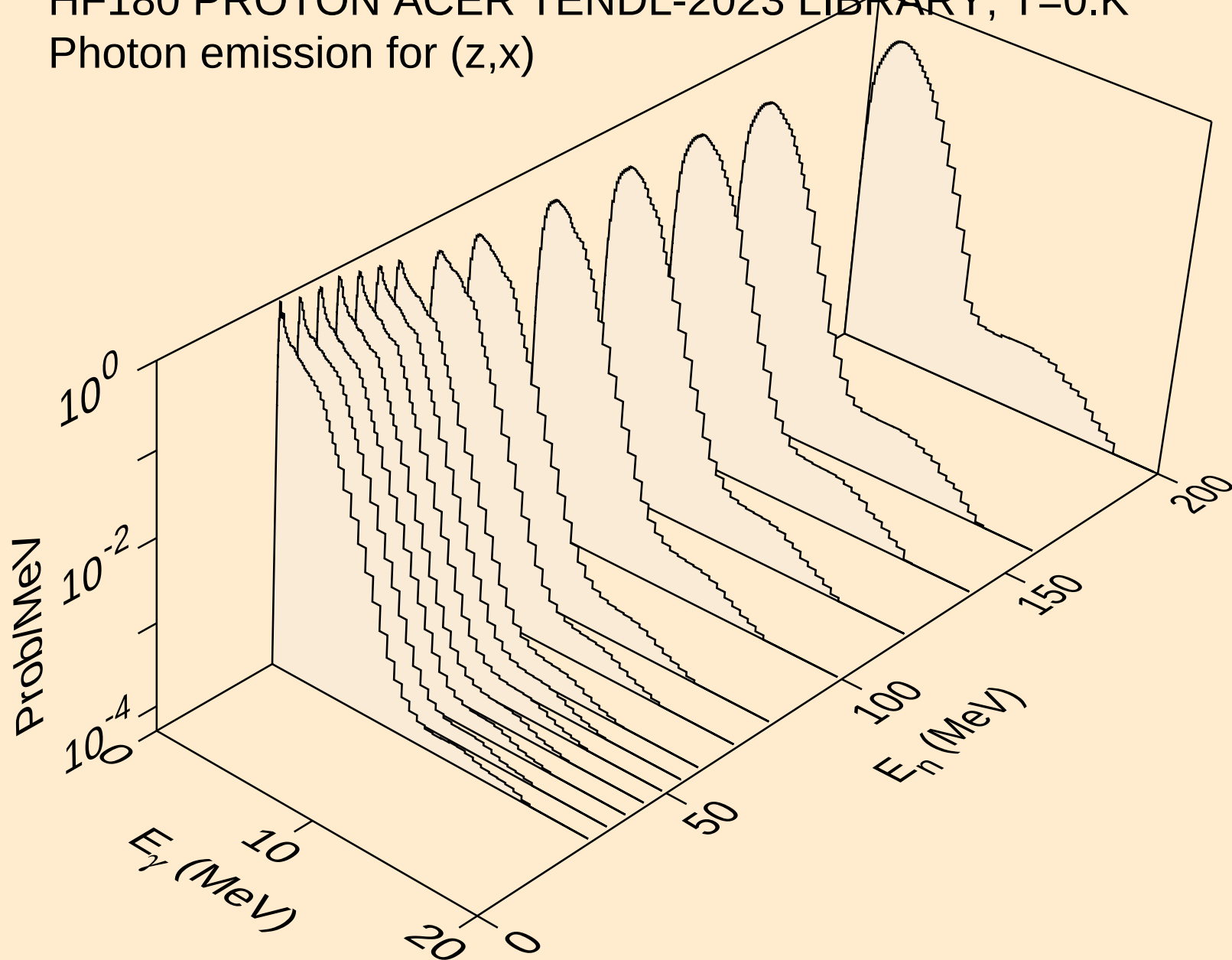
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

Photon emission for (z,n)

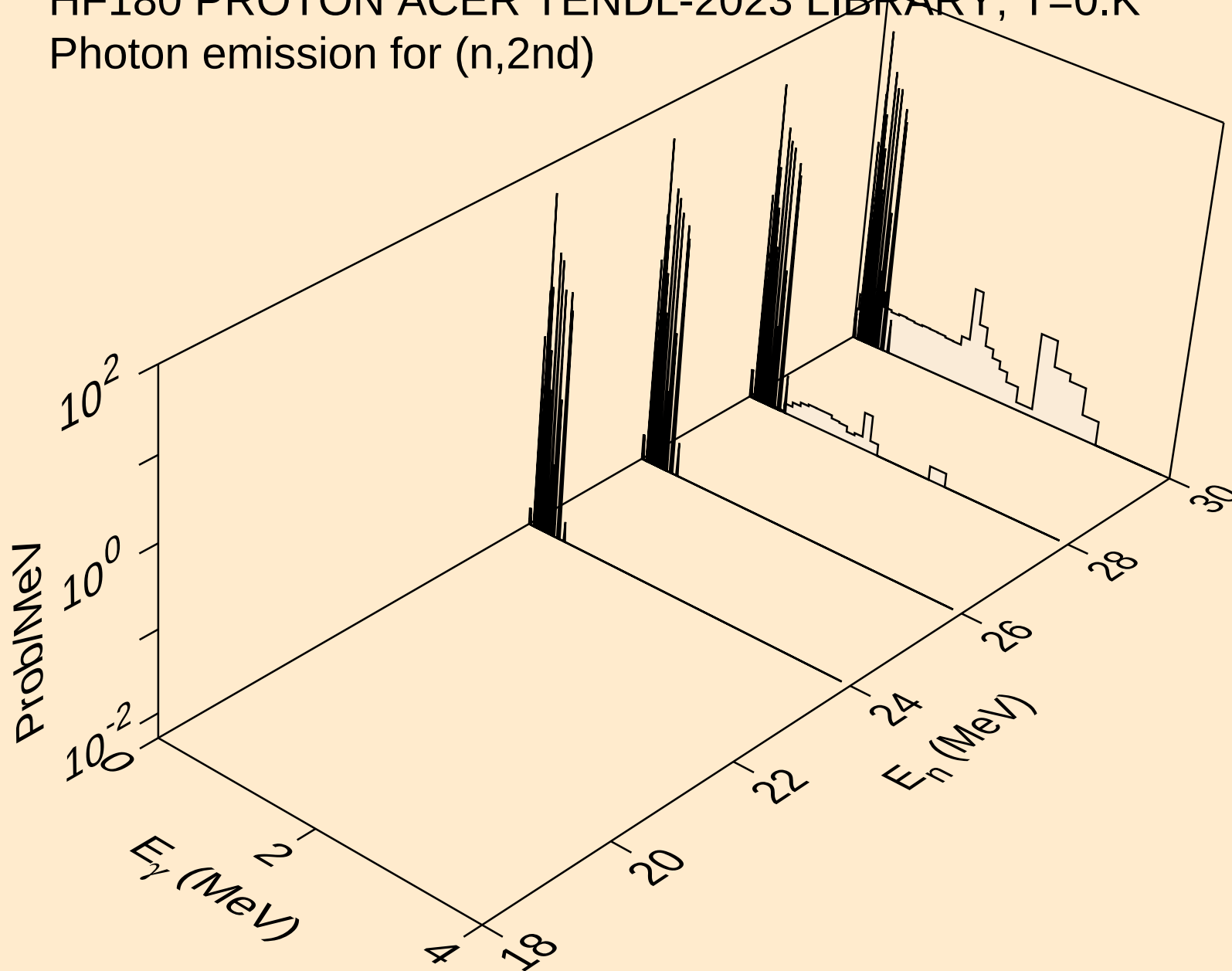


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

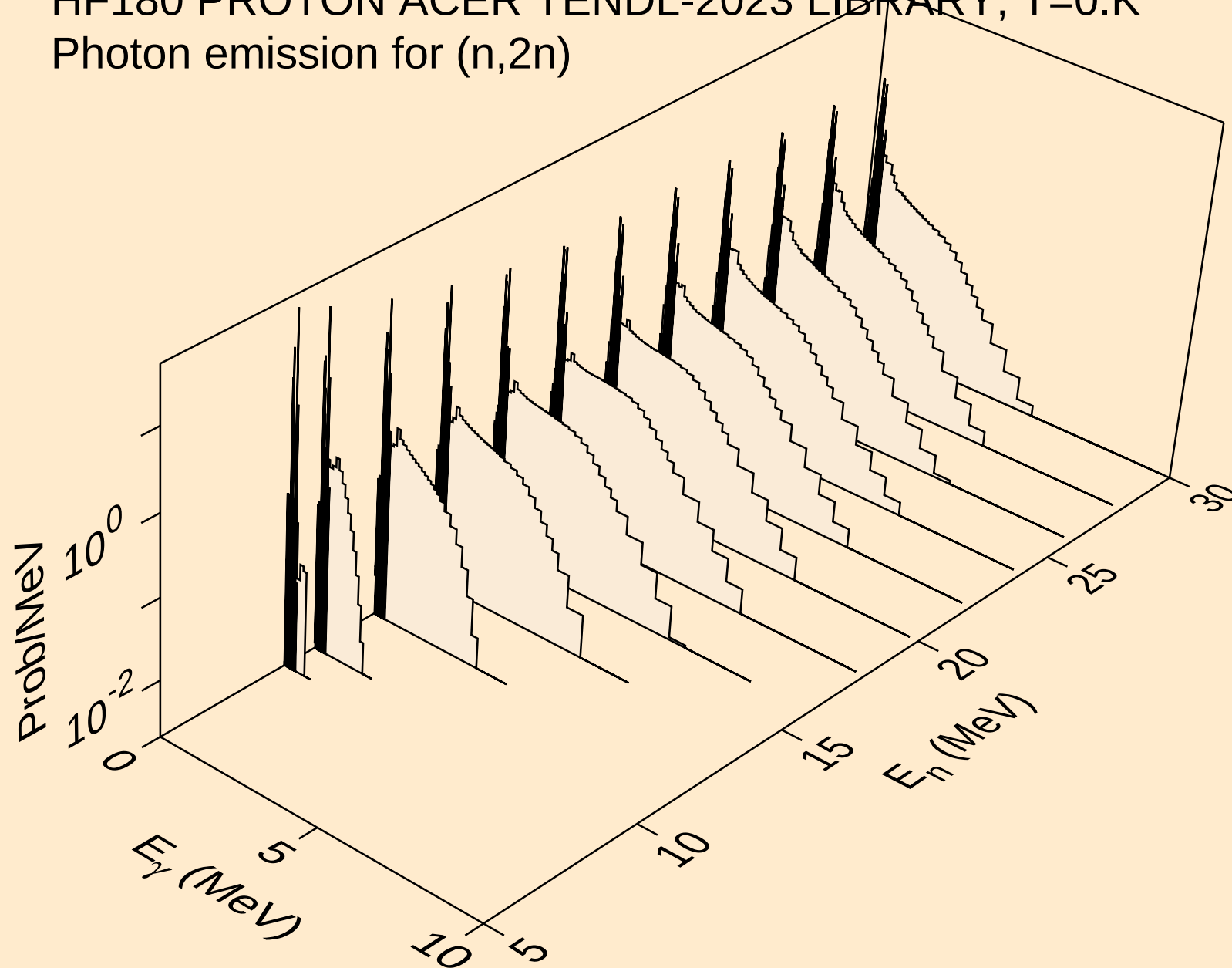
Photon emission for (z,x)



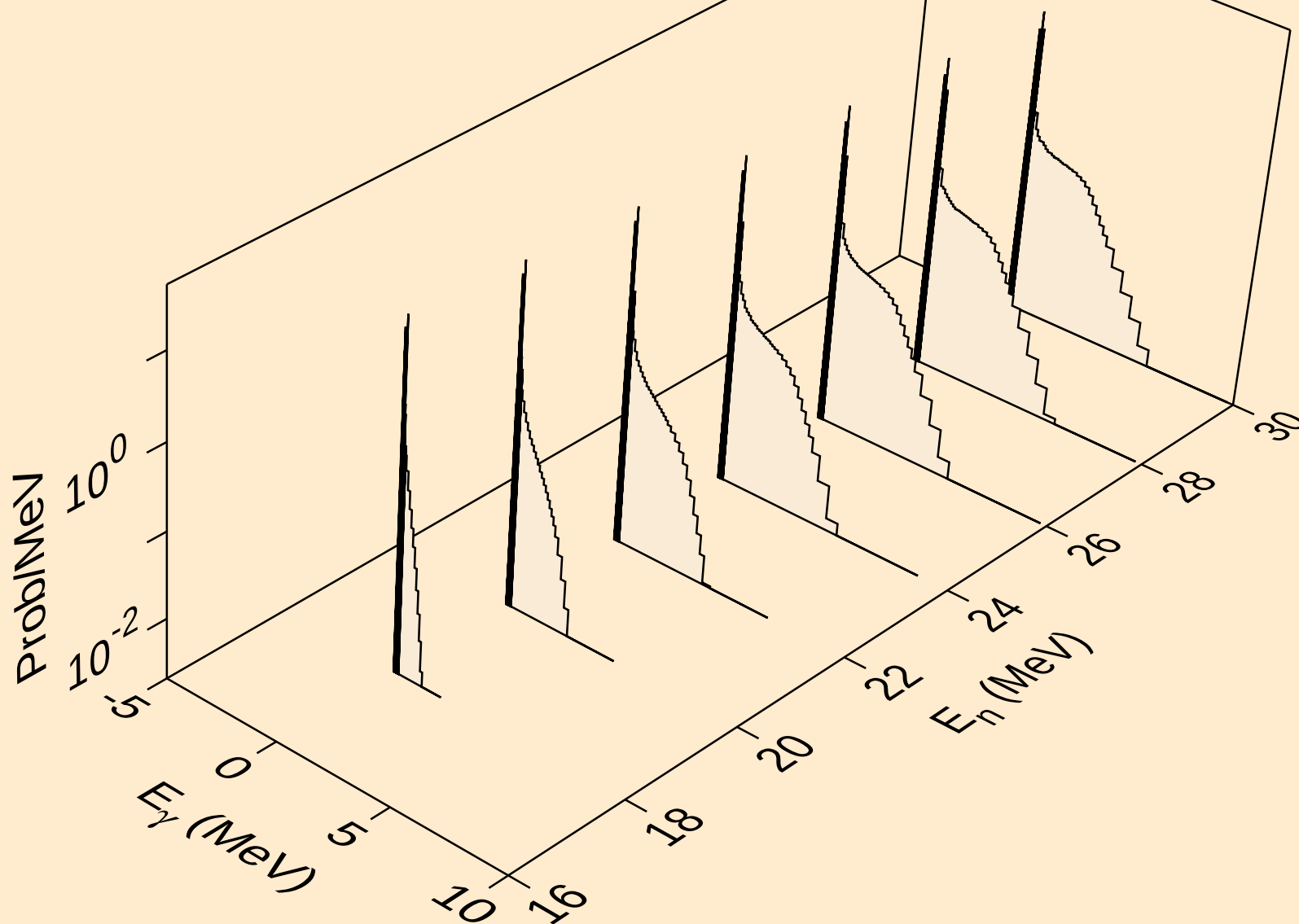
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2nd)



HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)

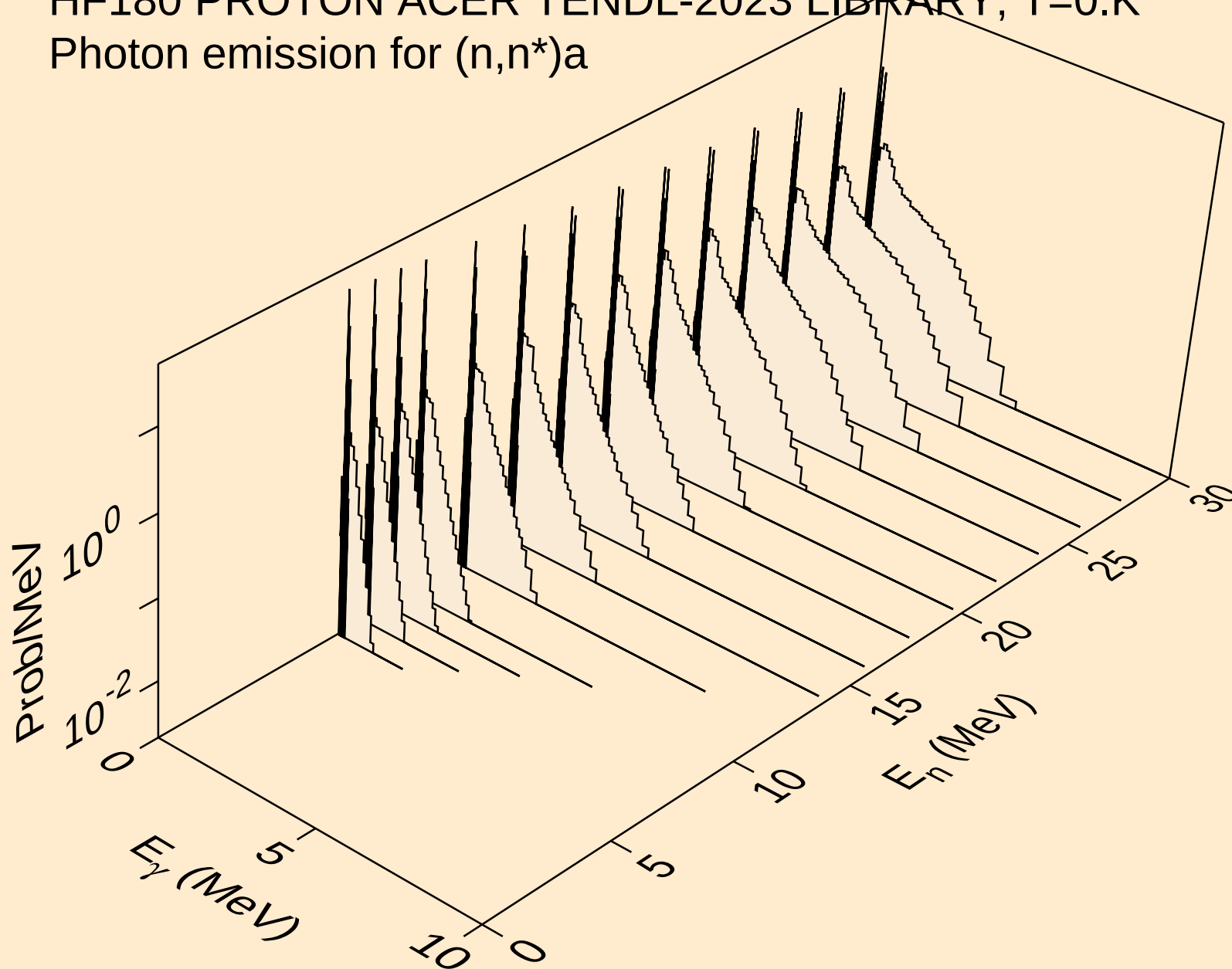


HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,3n)



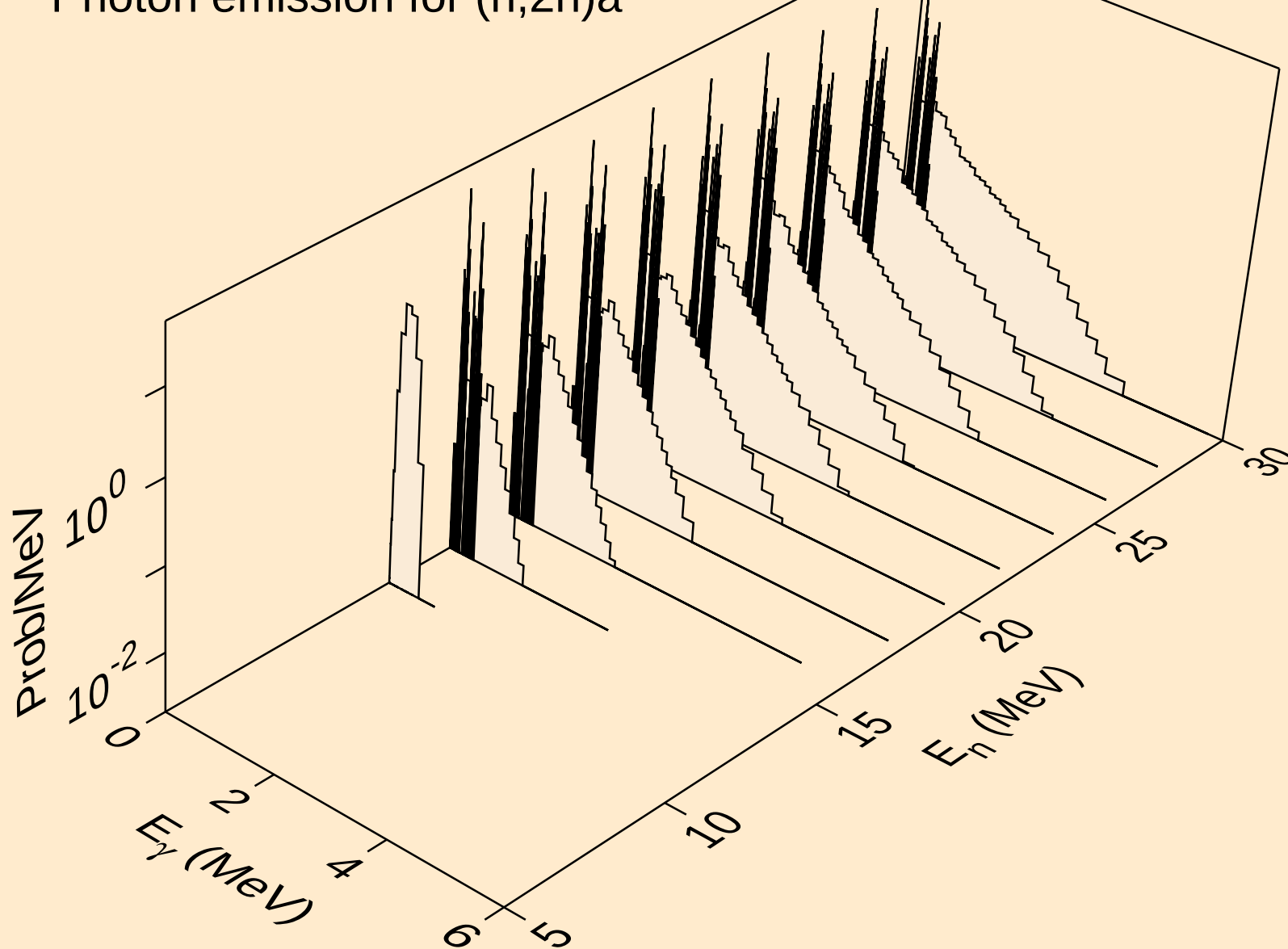
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

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



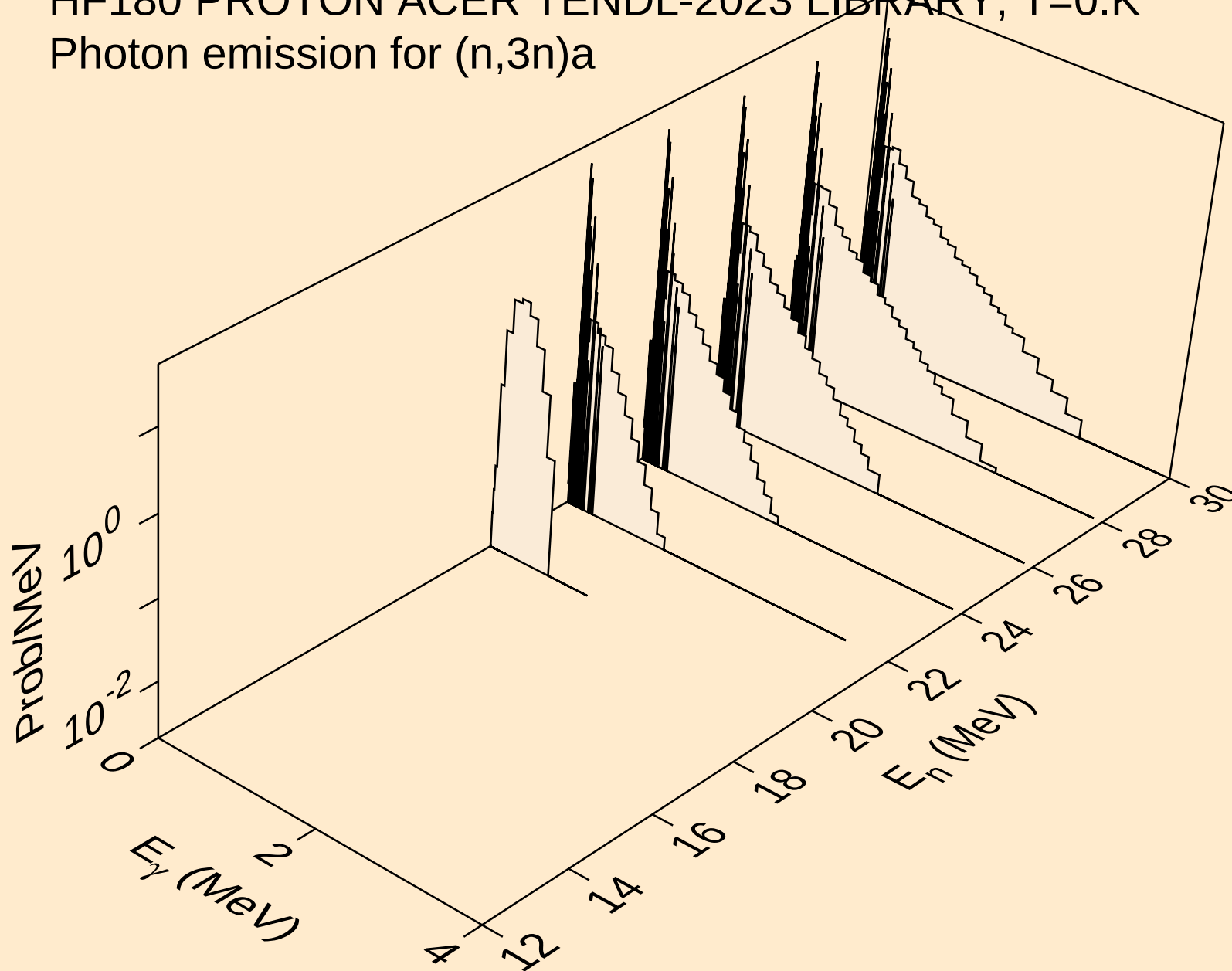
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



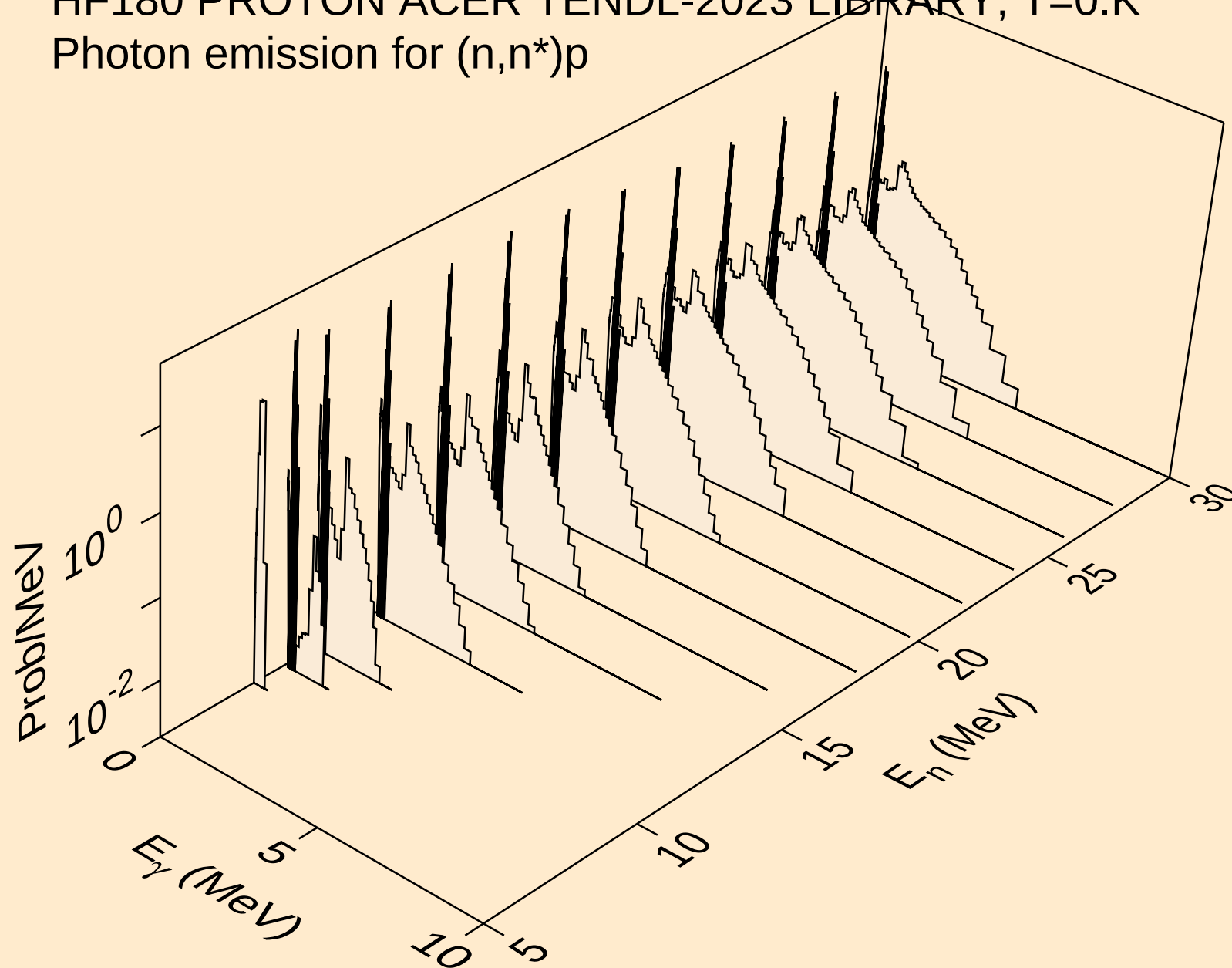
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α



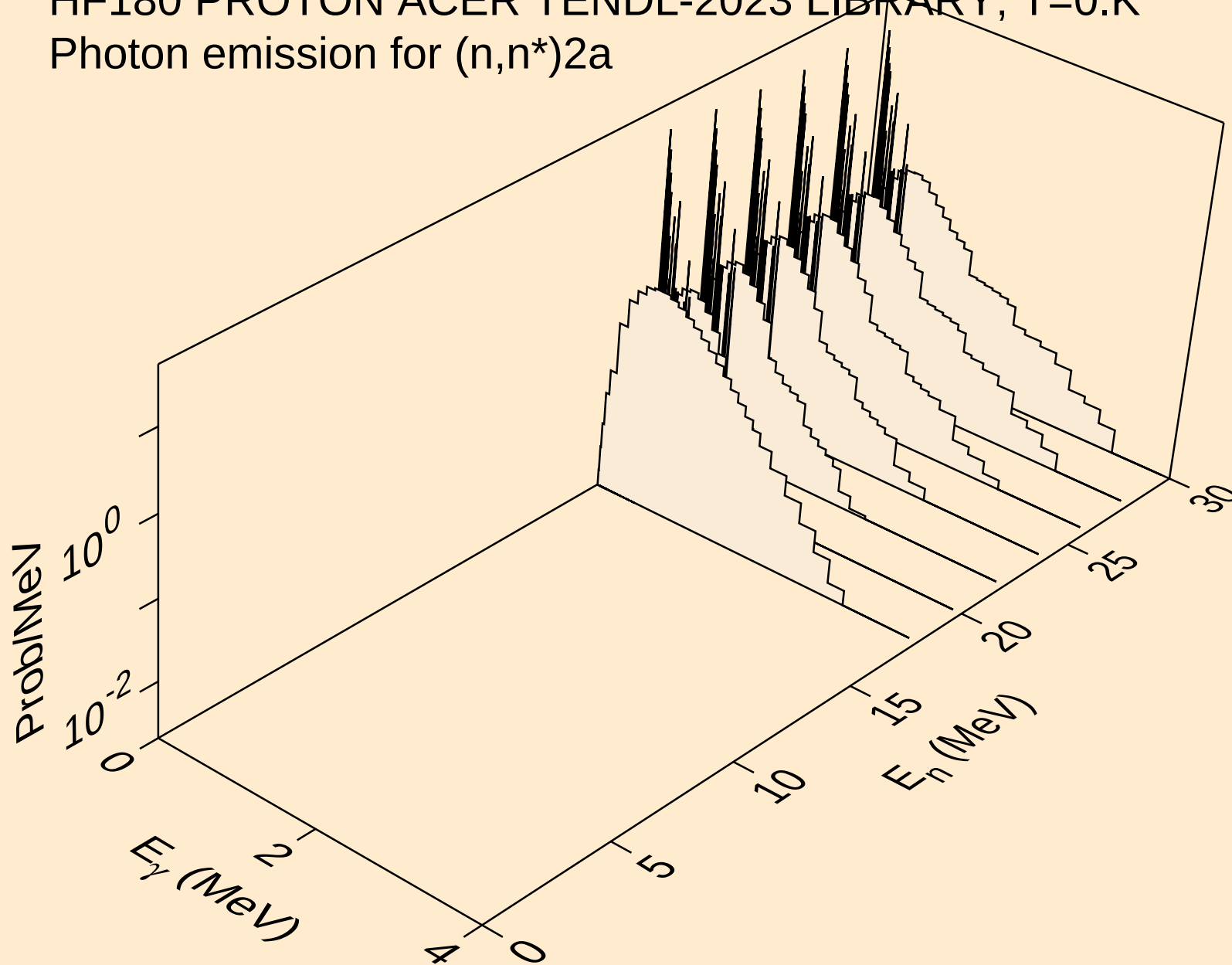
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



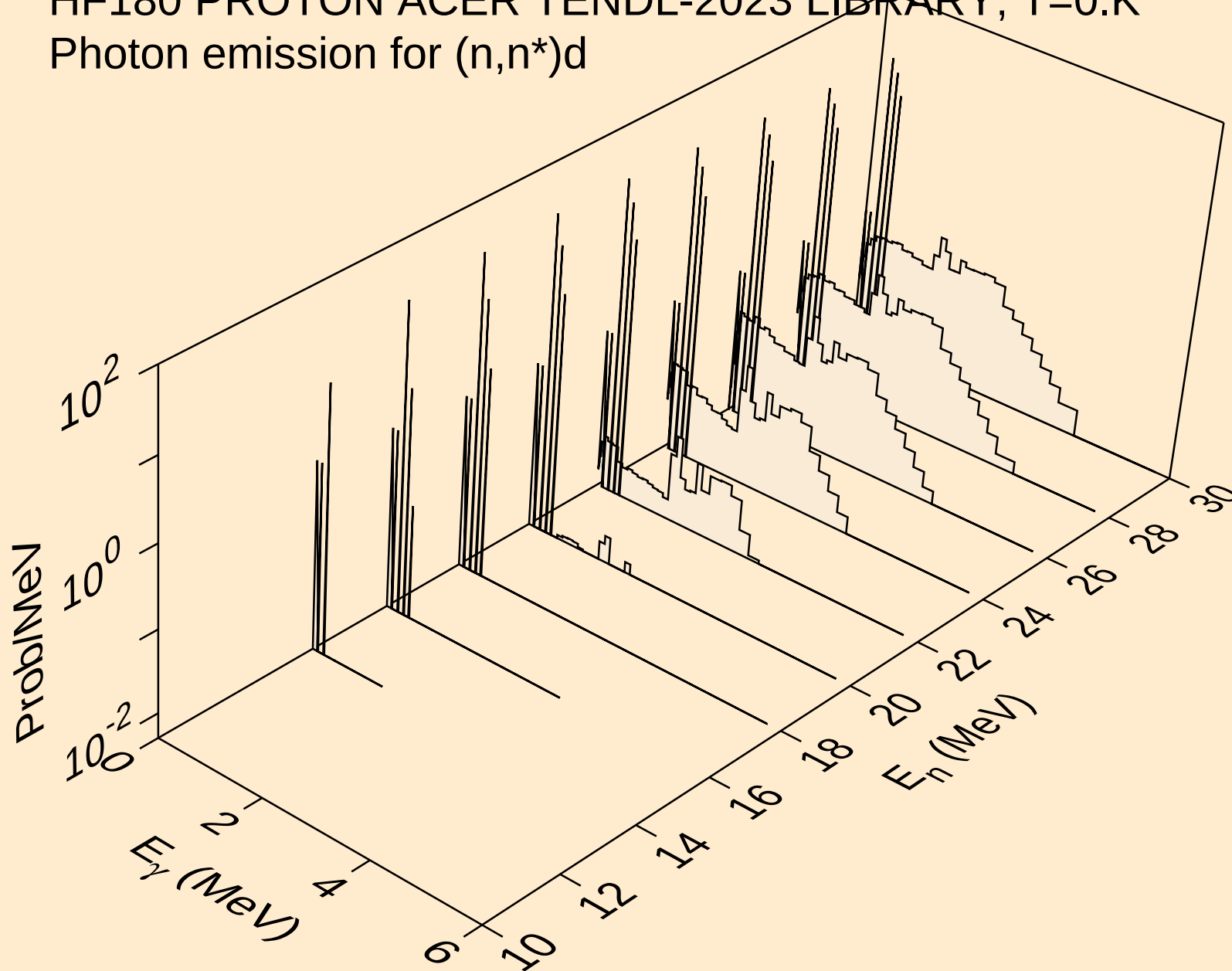
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a



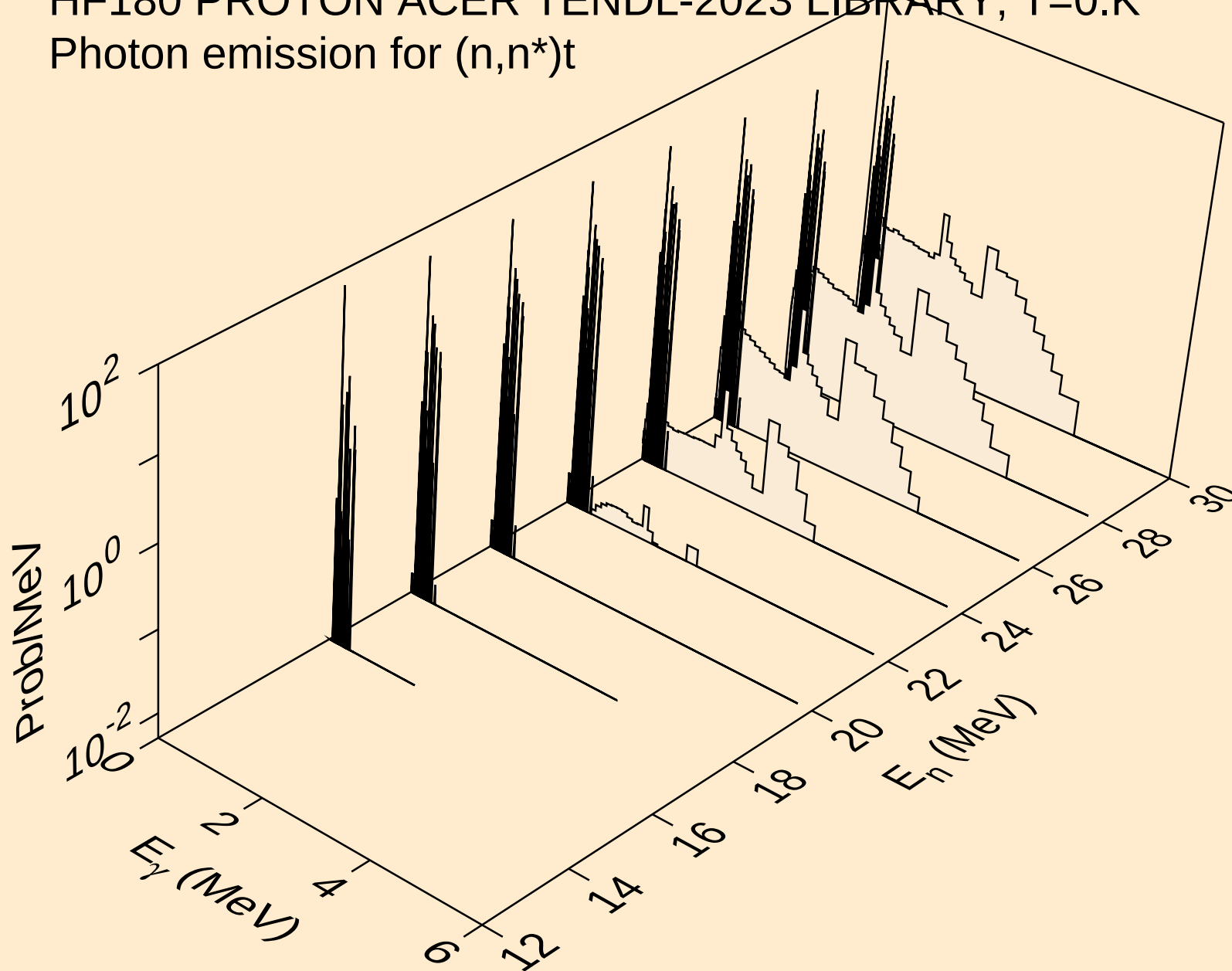
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d



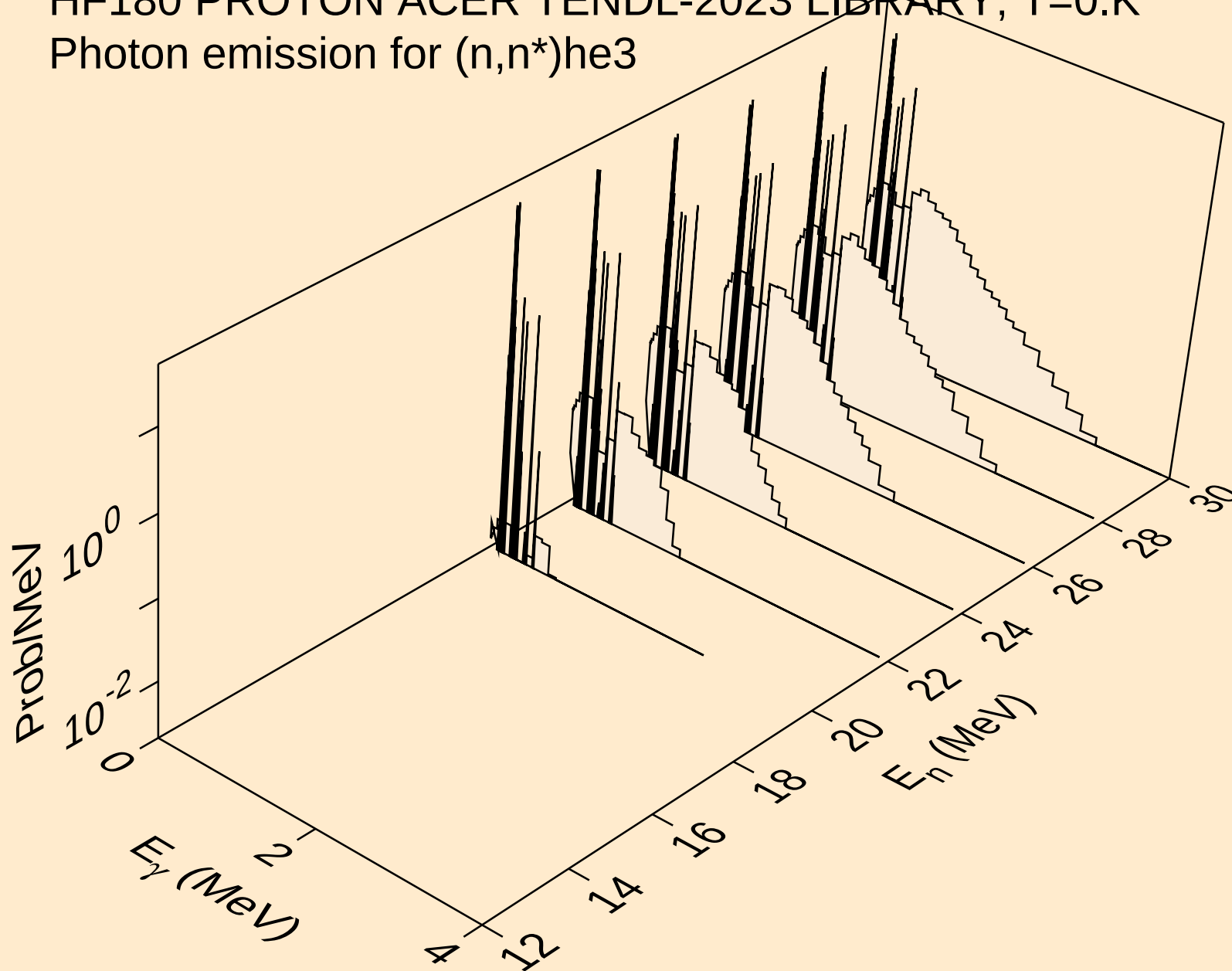
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

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

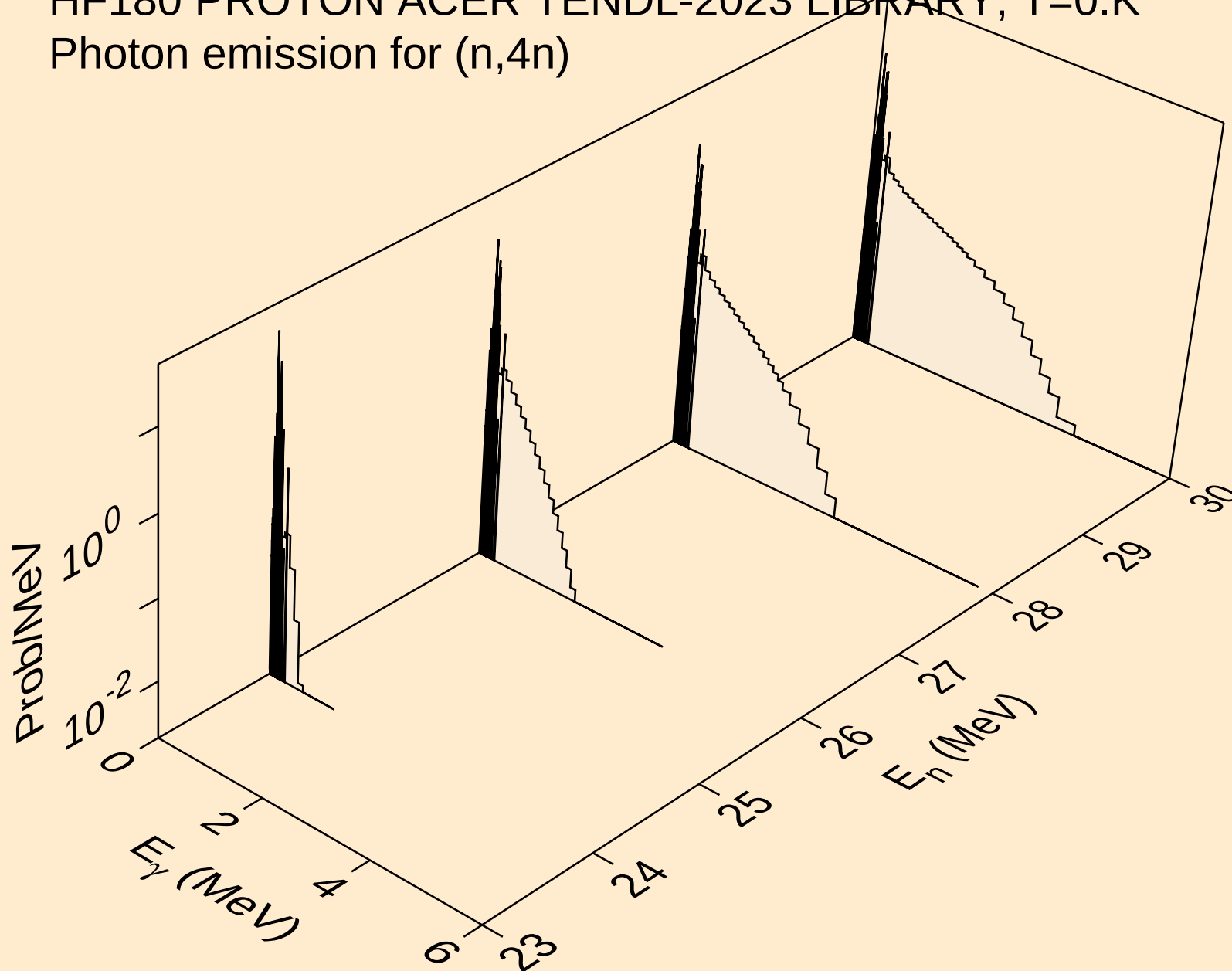


HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

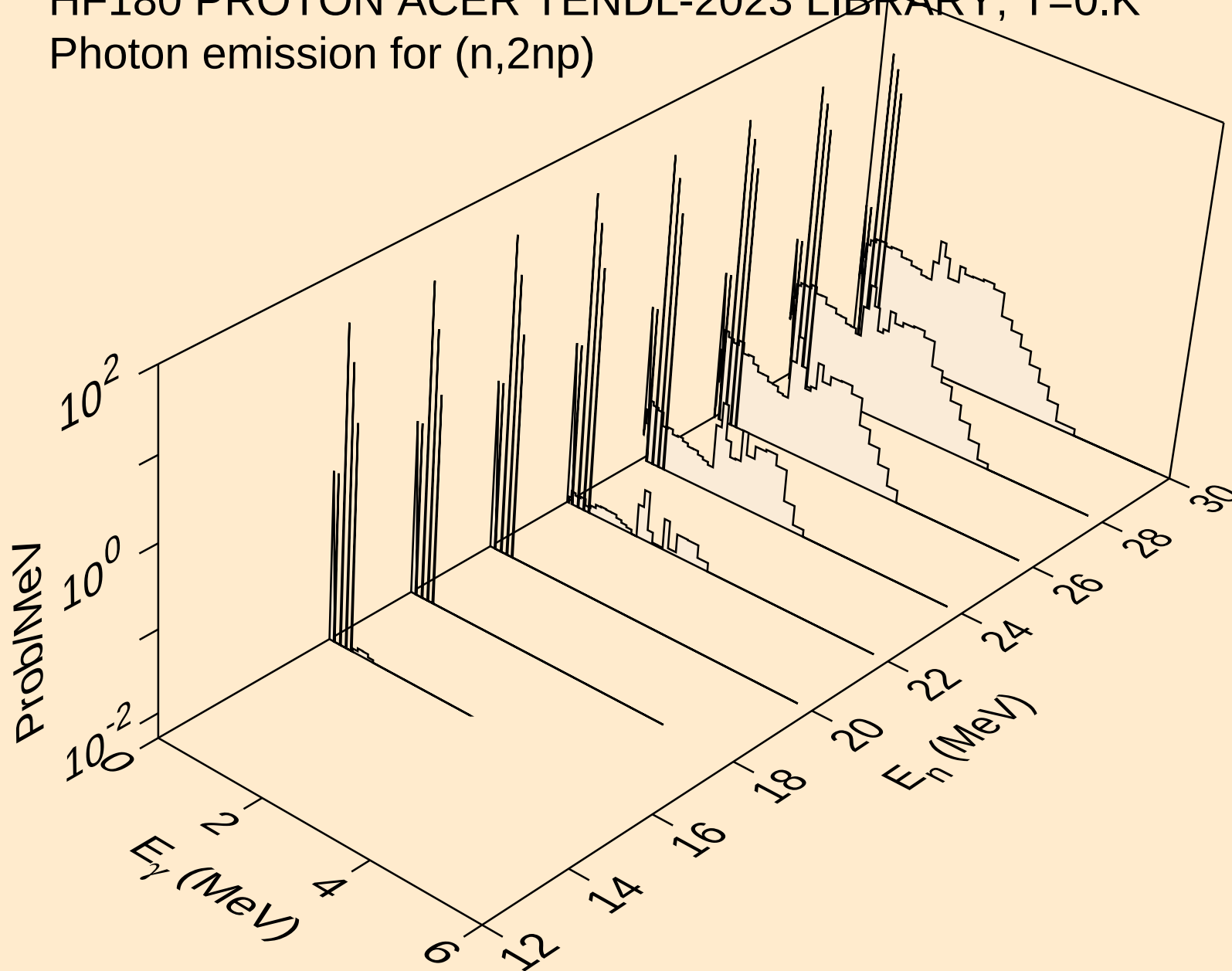
Photon emission for $(n,n^*)\text{he3}$



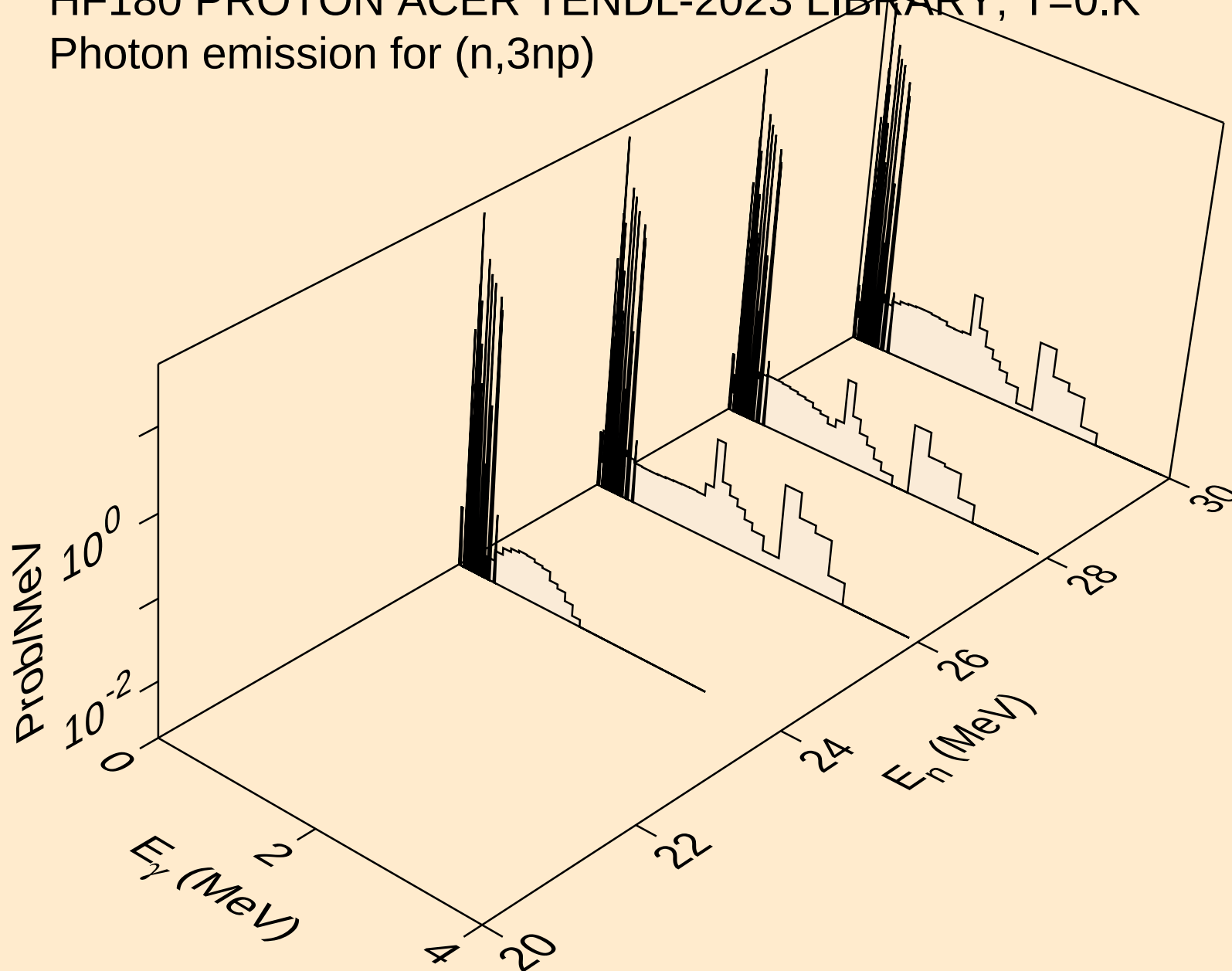
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,4n)



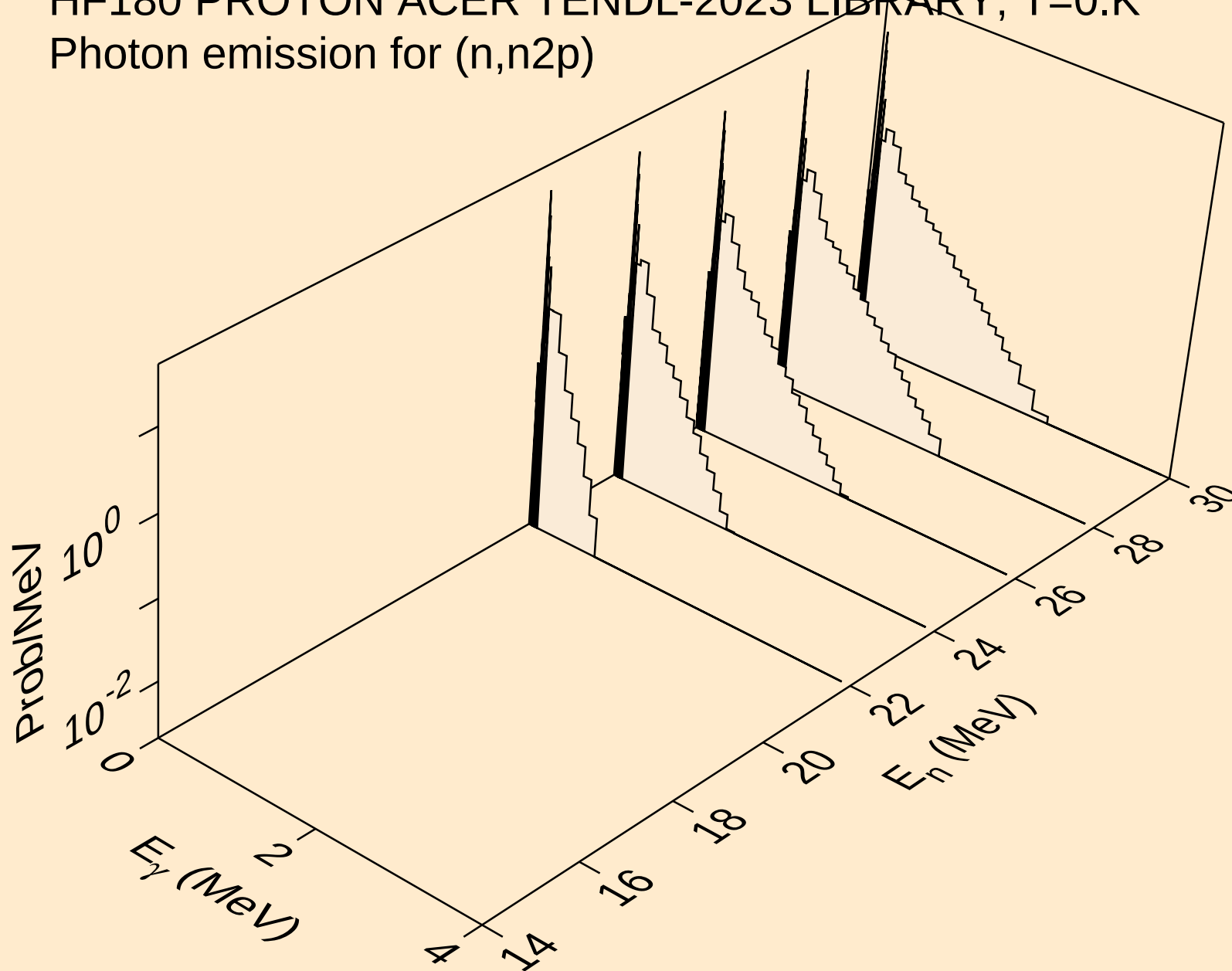
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



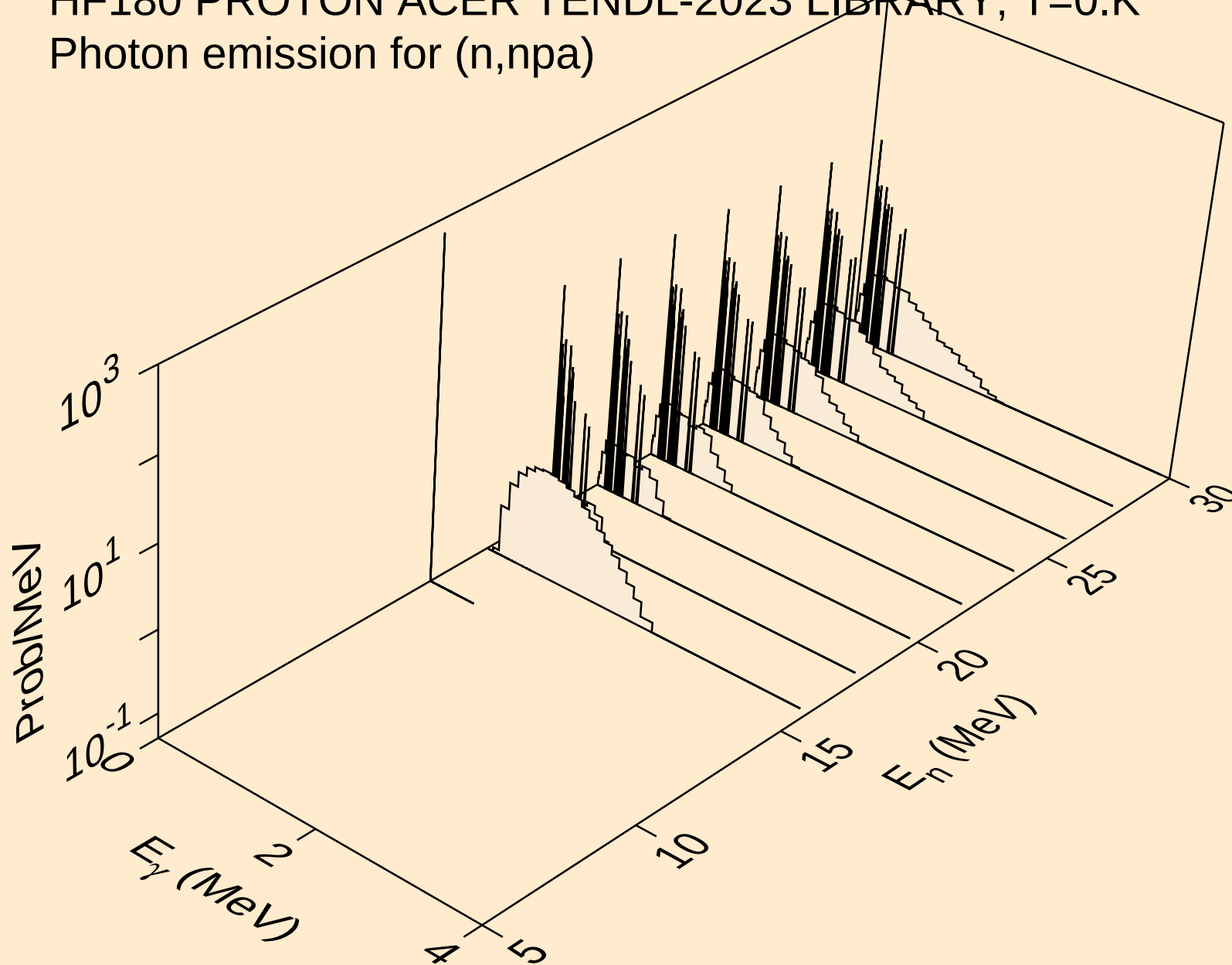
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,3np)



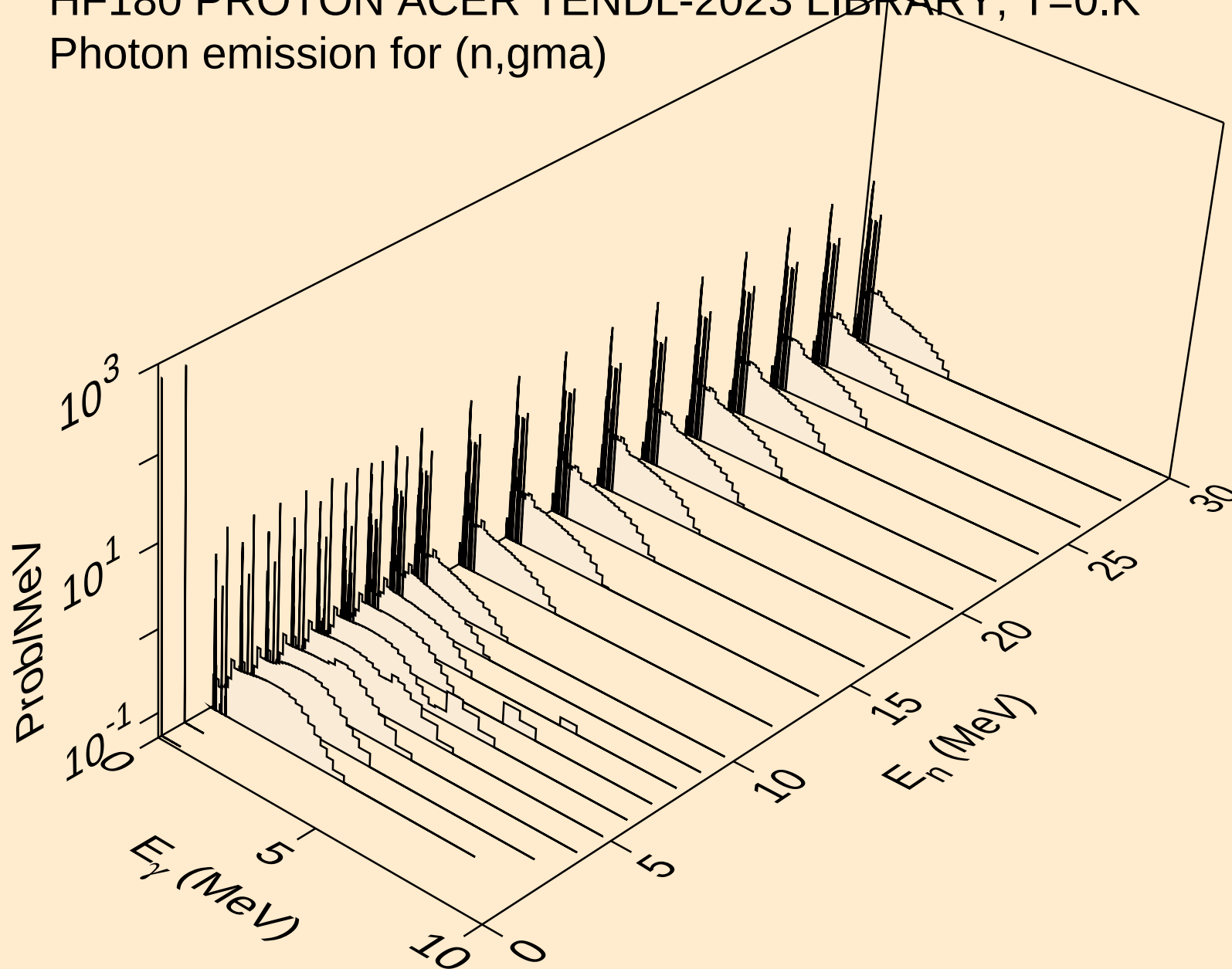
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



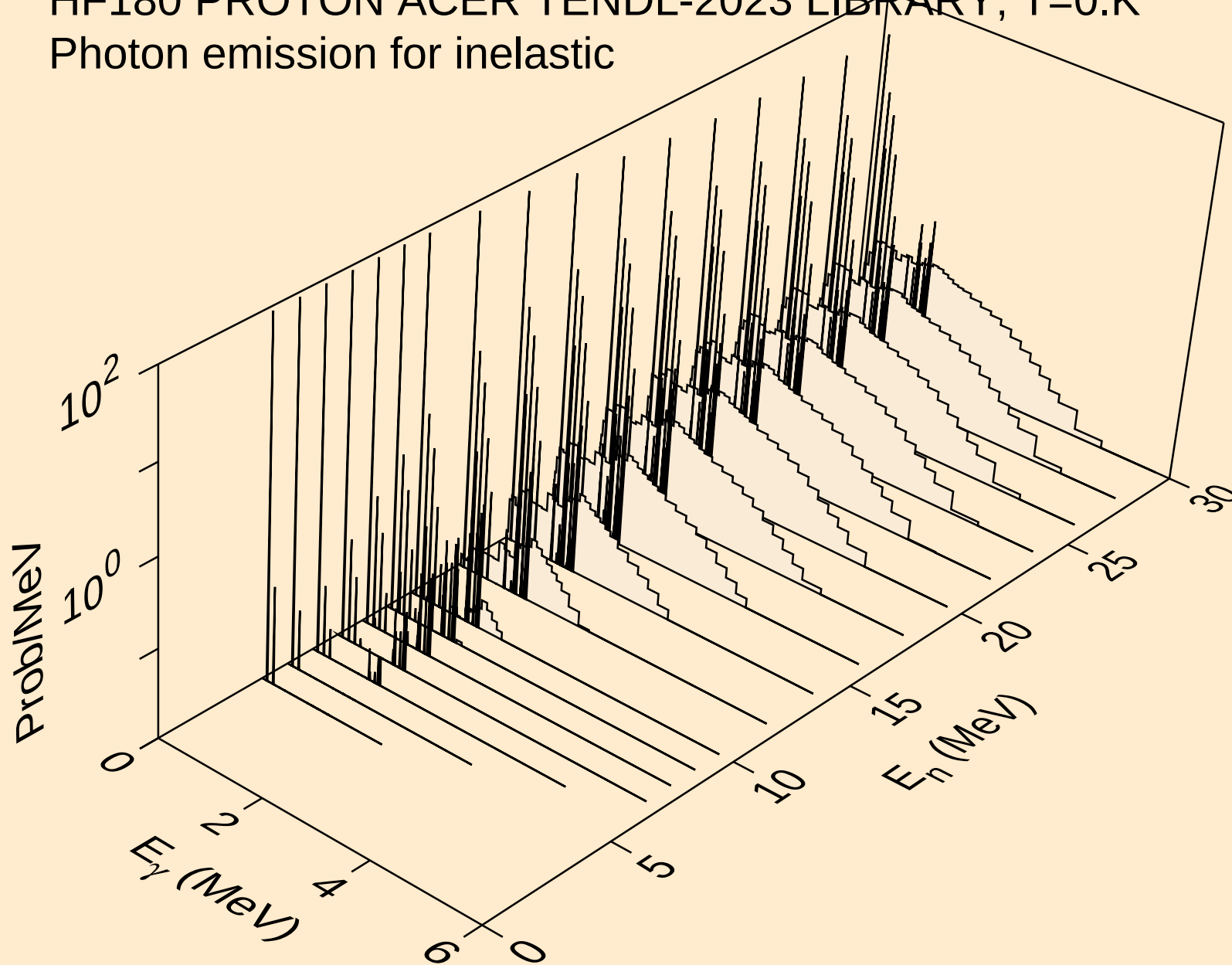
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,npa)



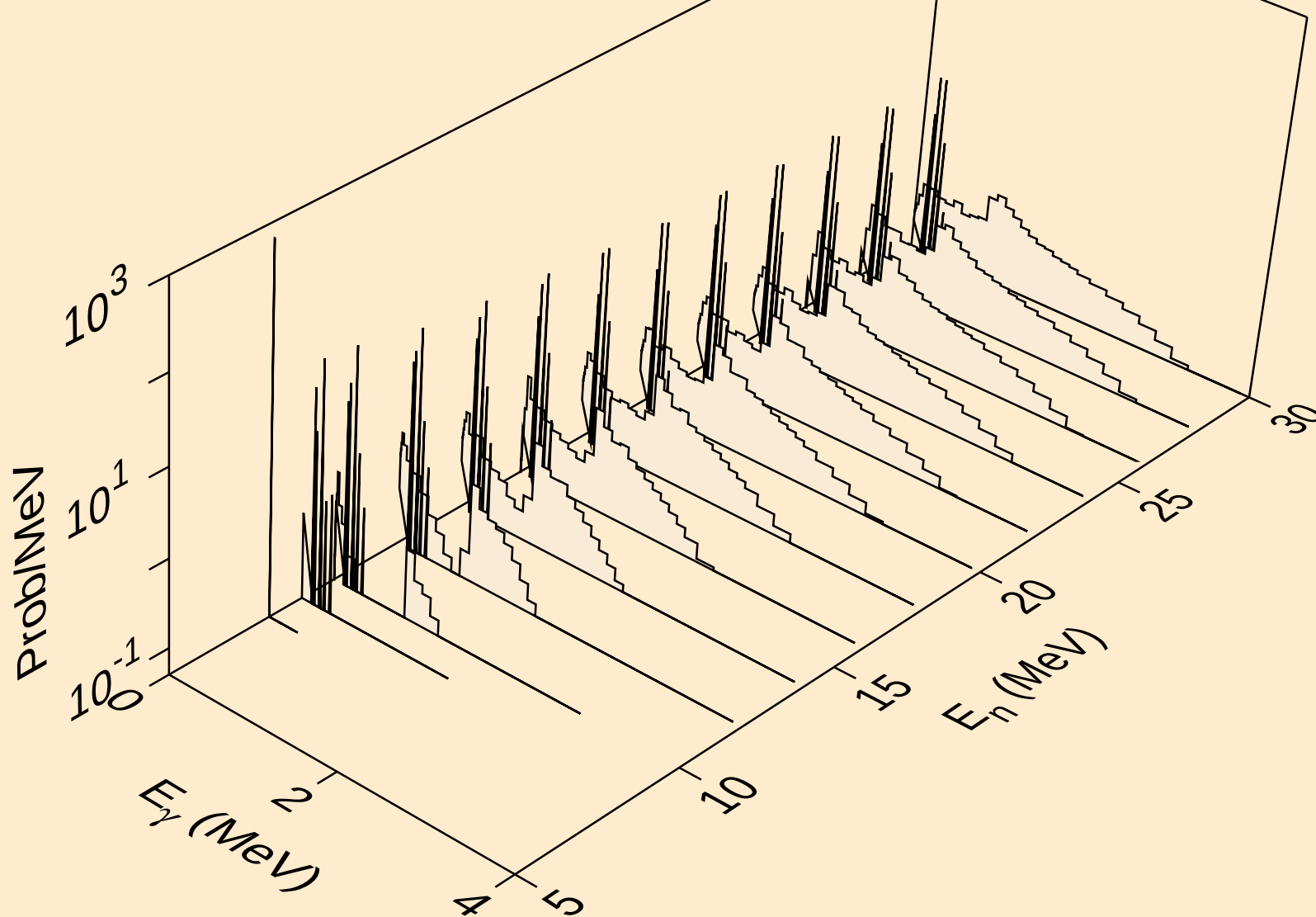
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,gma)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic

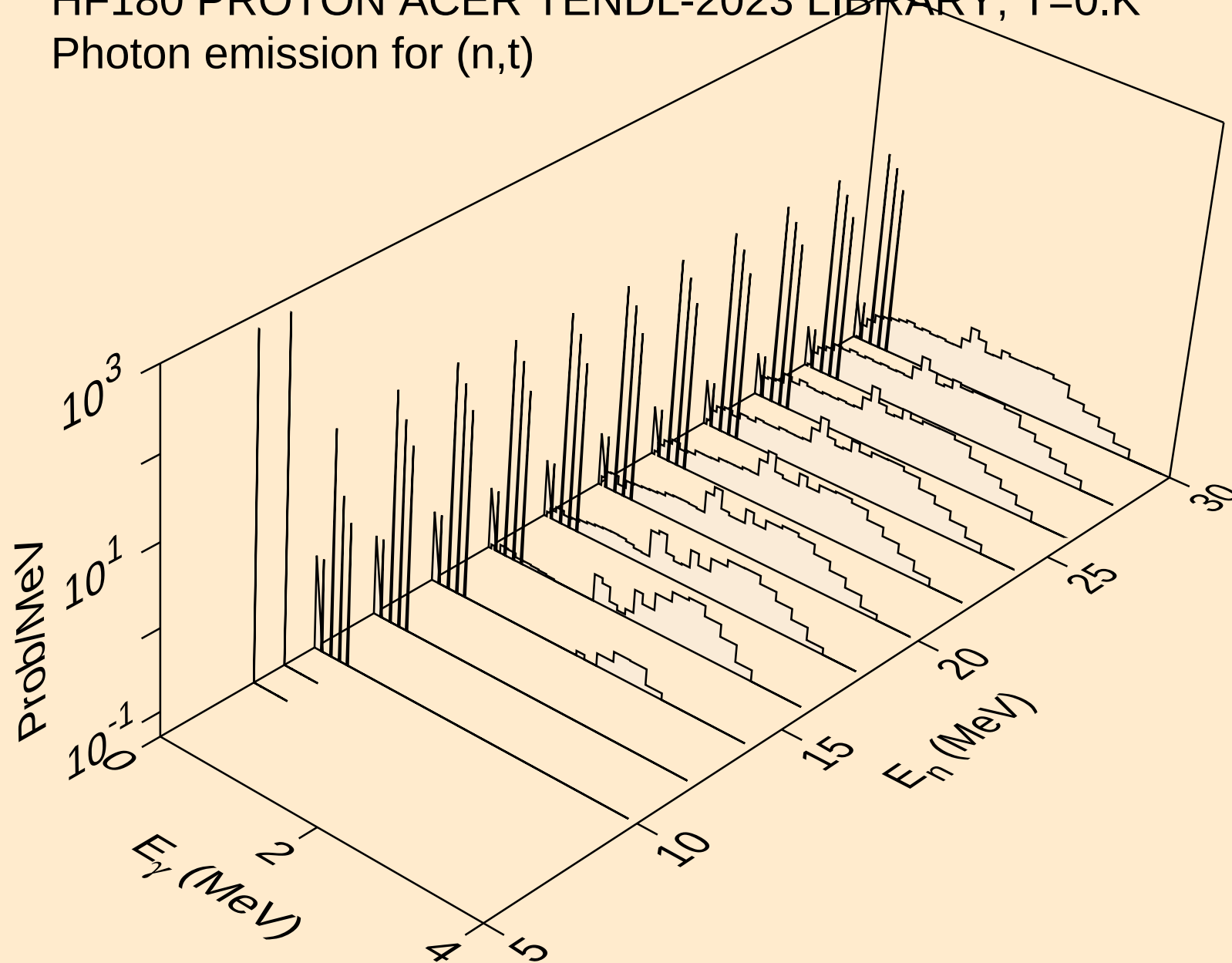


HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,d)

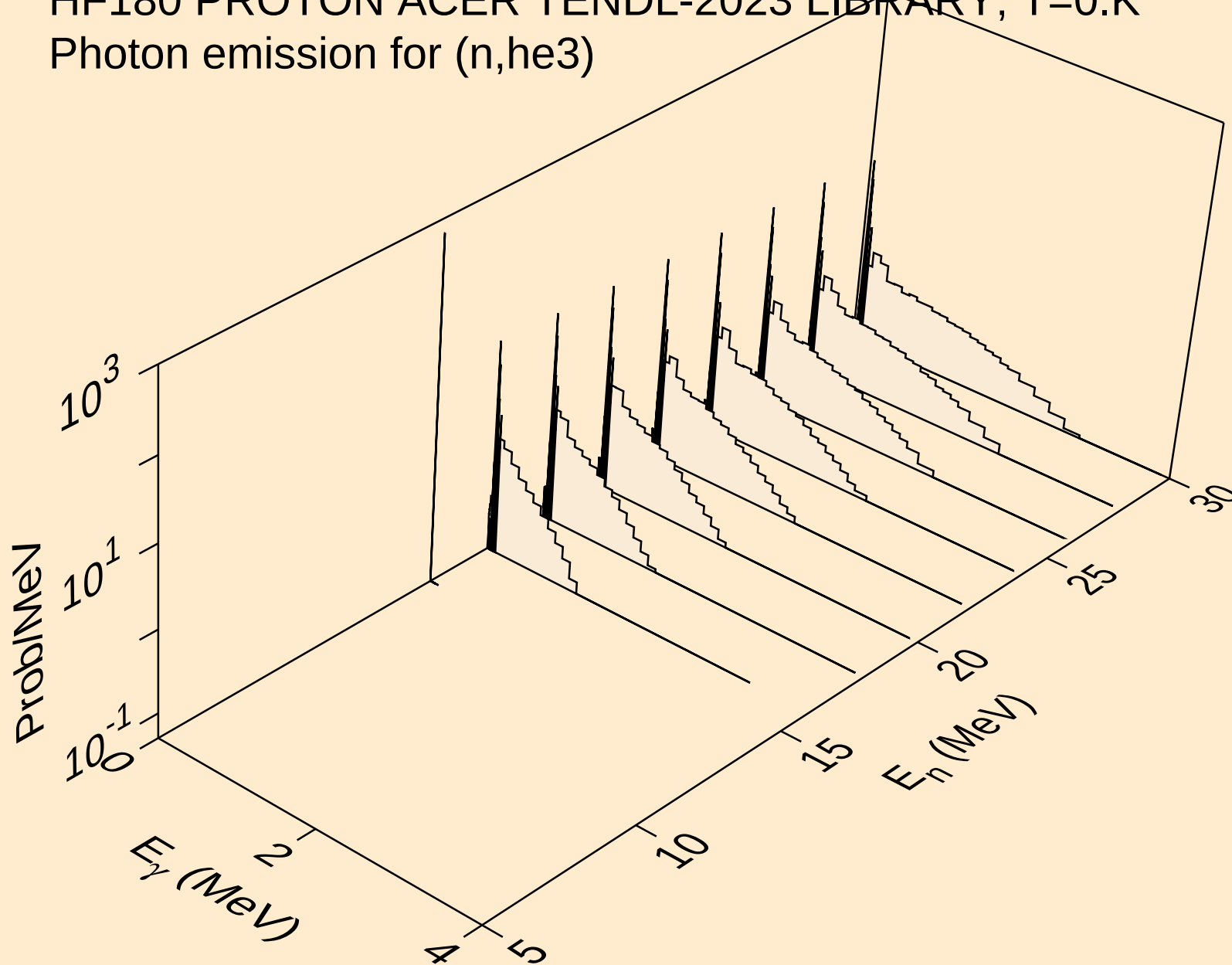


HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

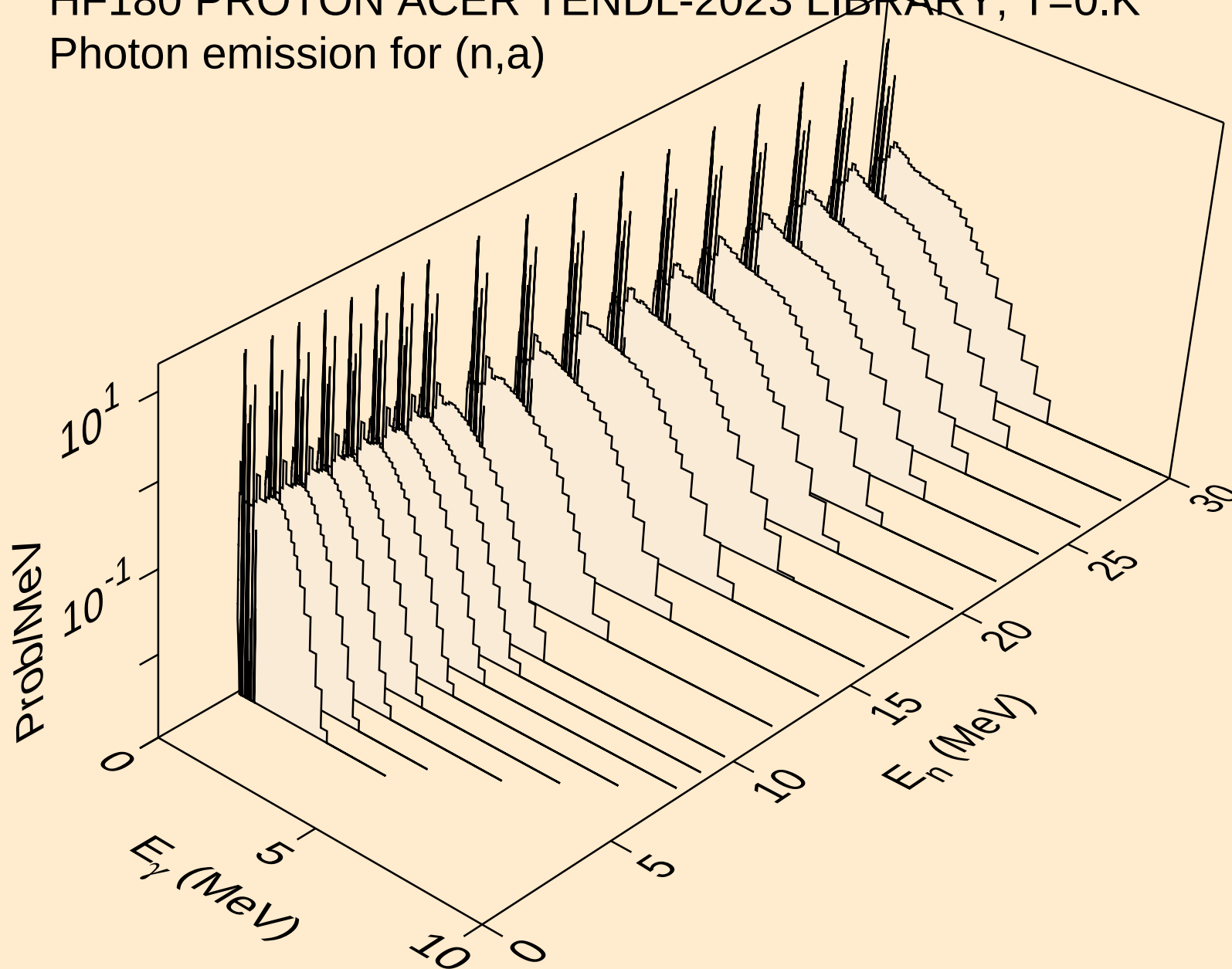
Photon emission for (n,t)



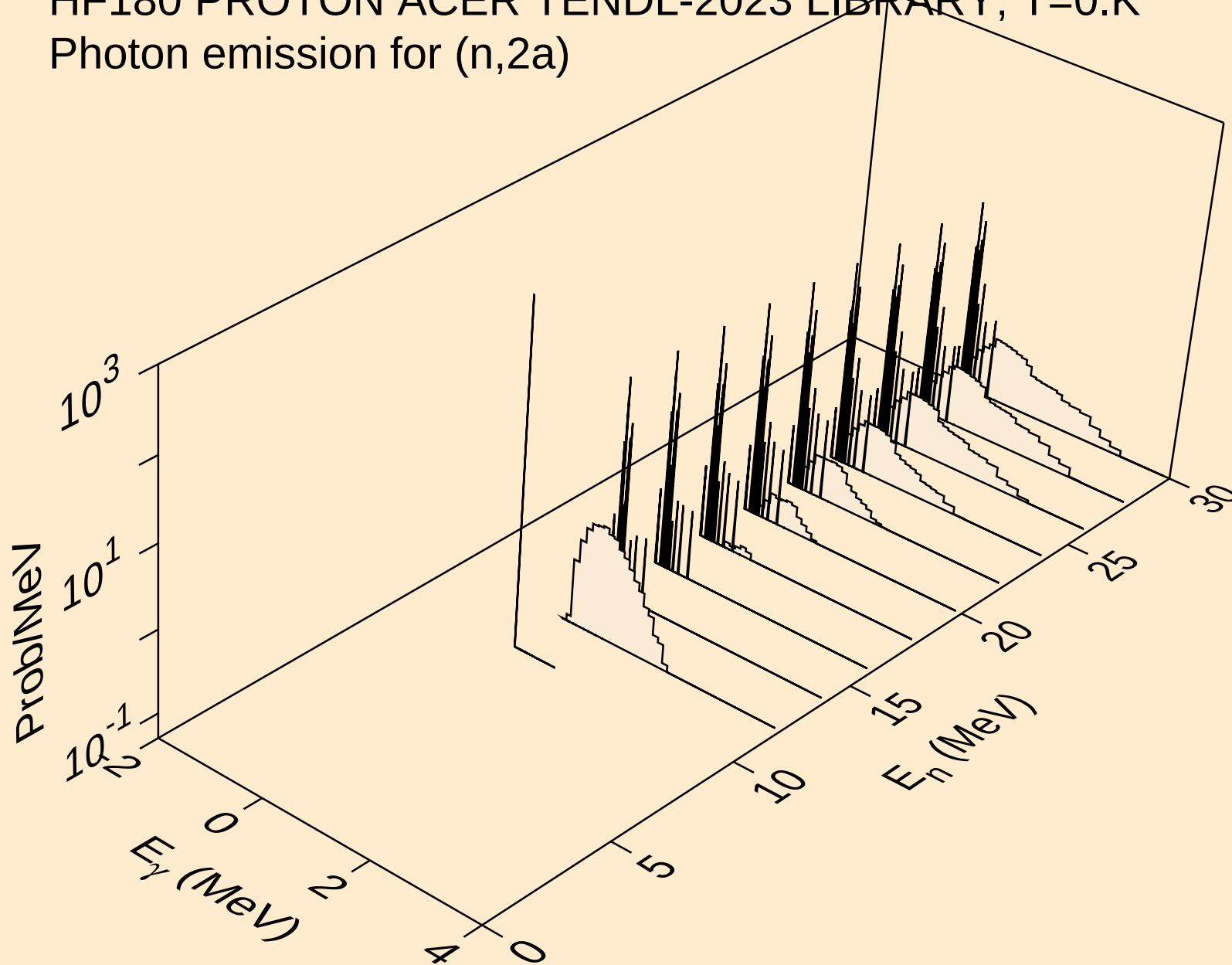
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



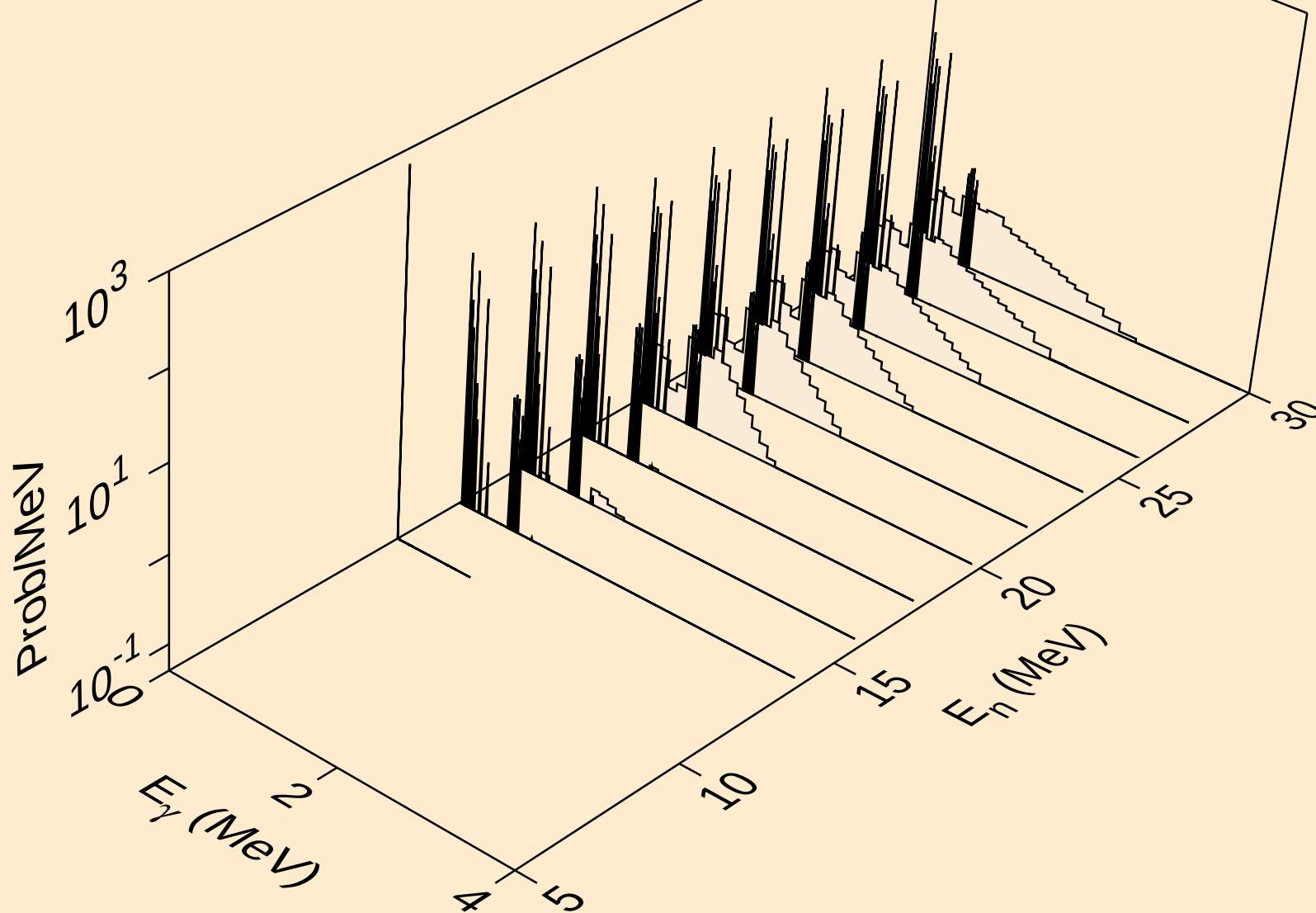
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)



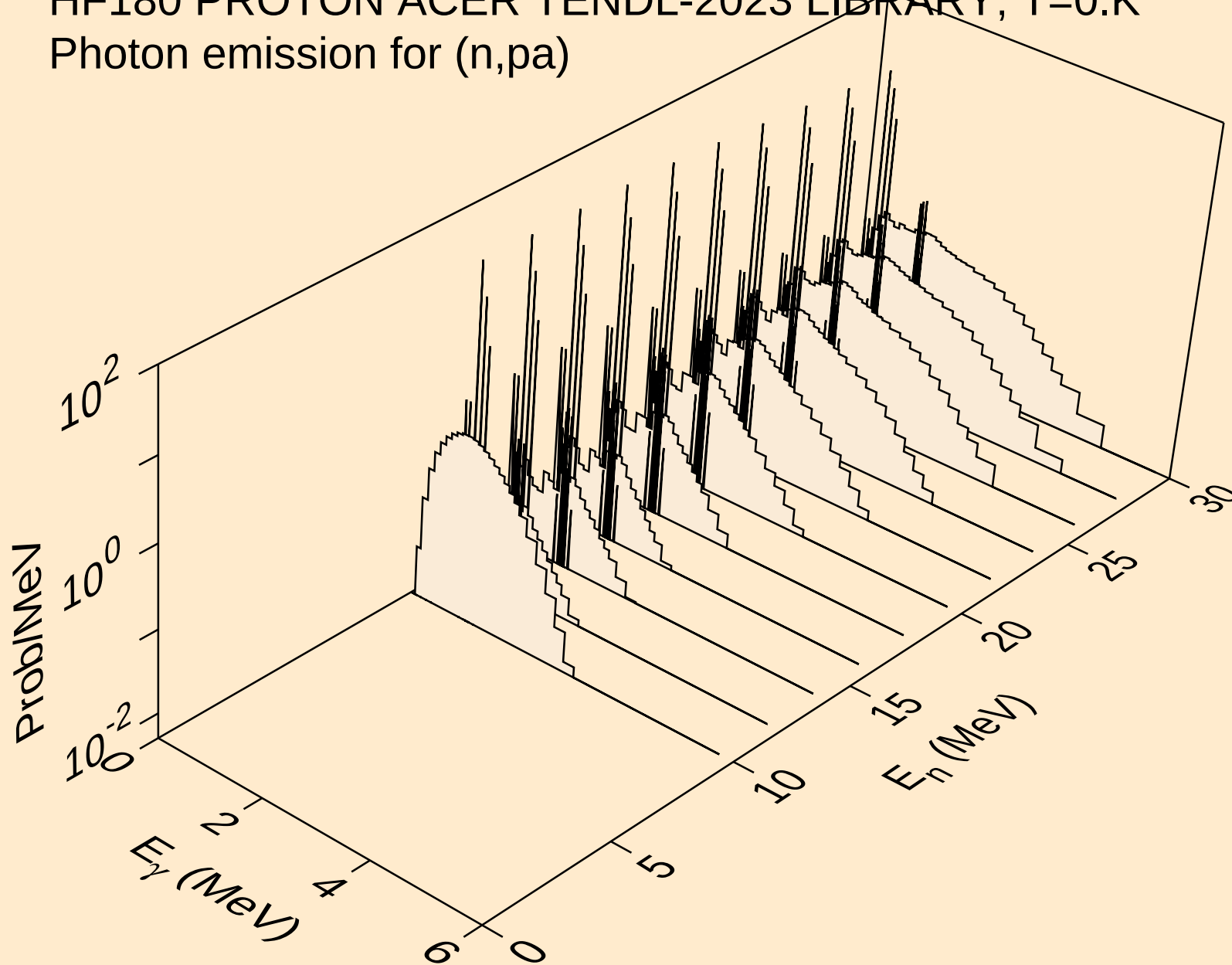
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2a)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)

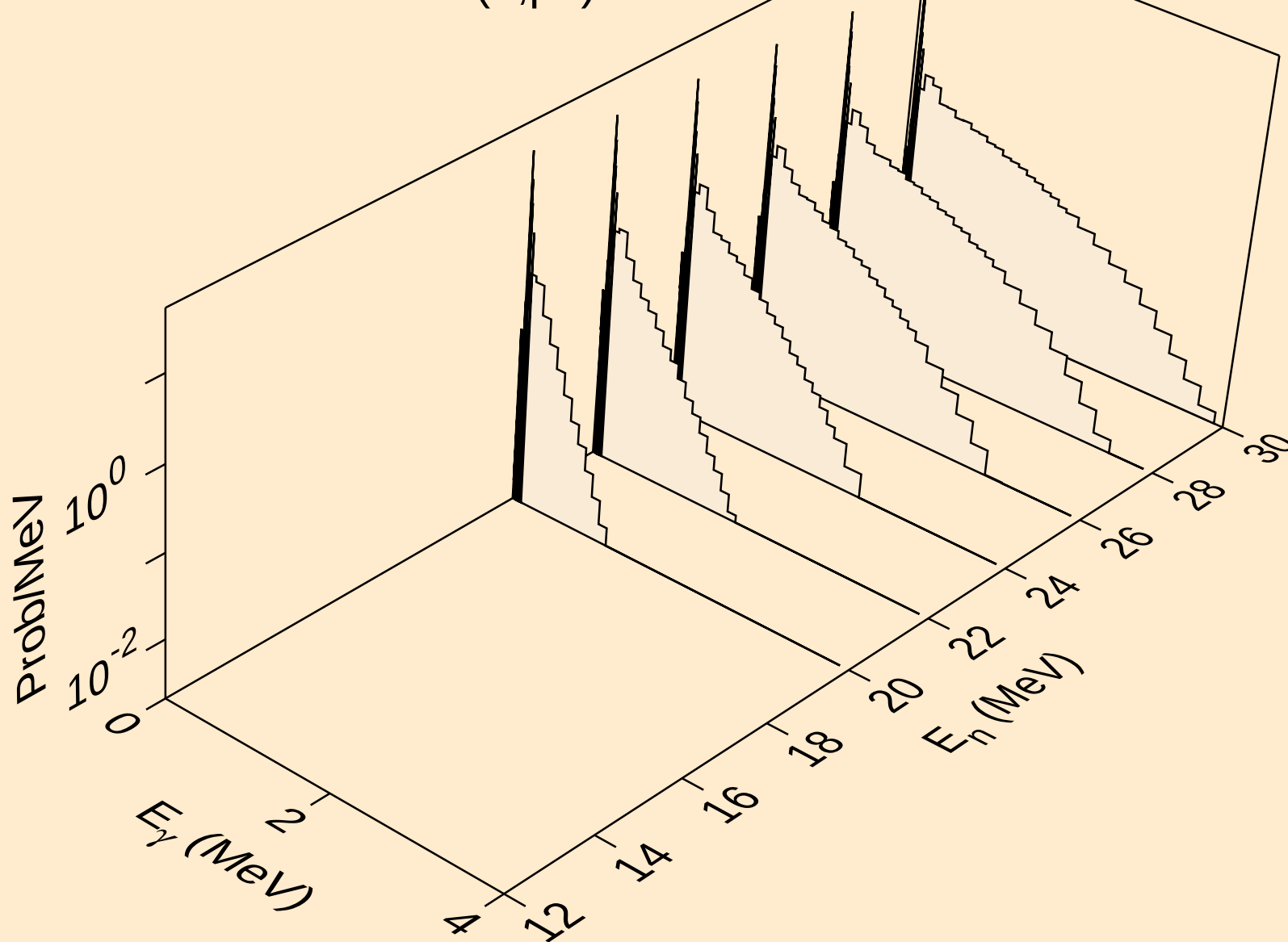


HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,p α)

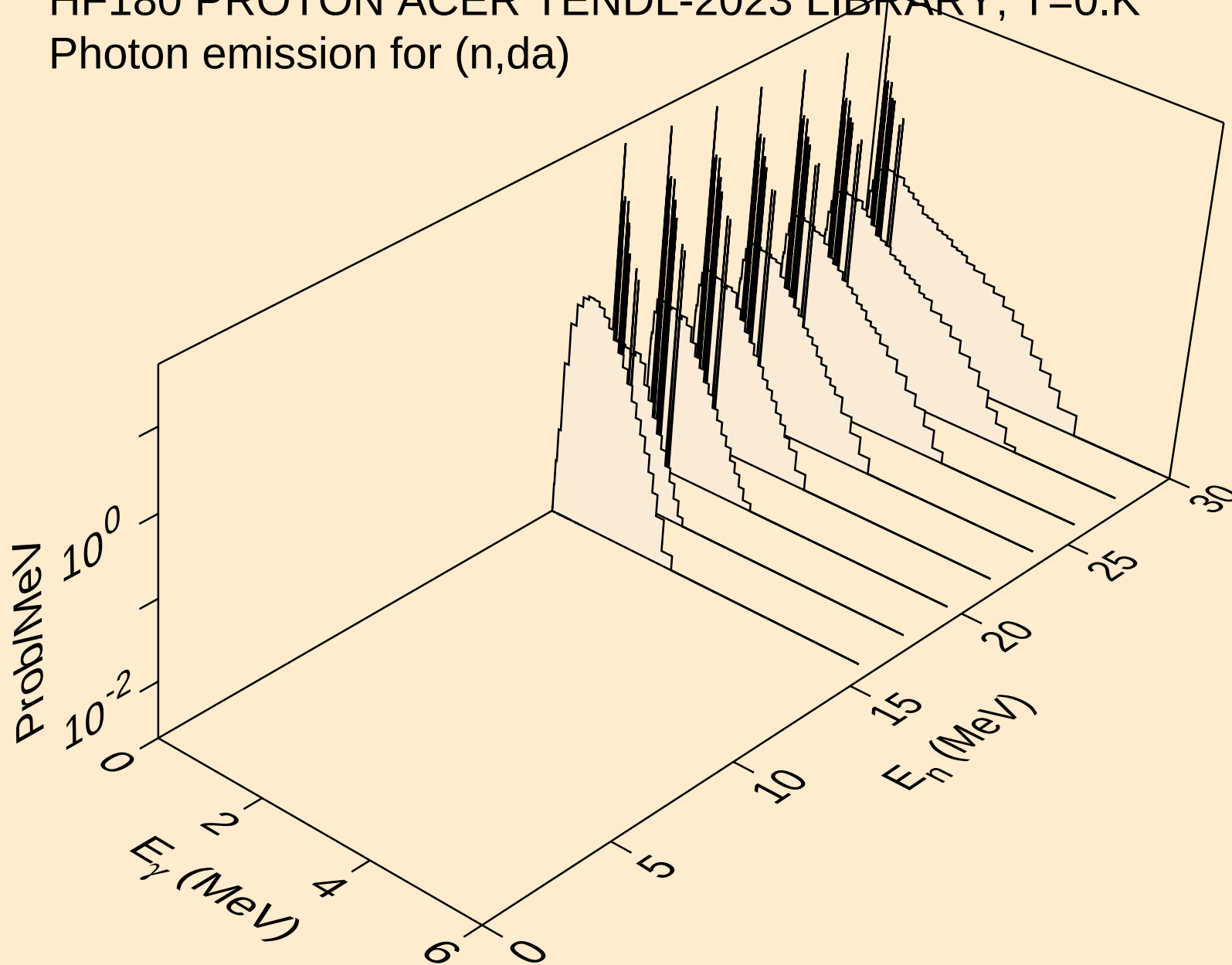


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pd)

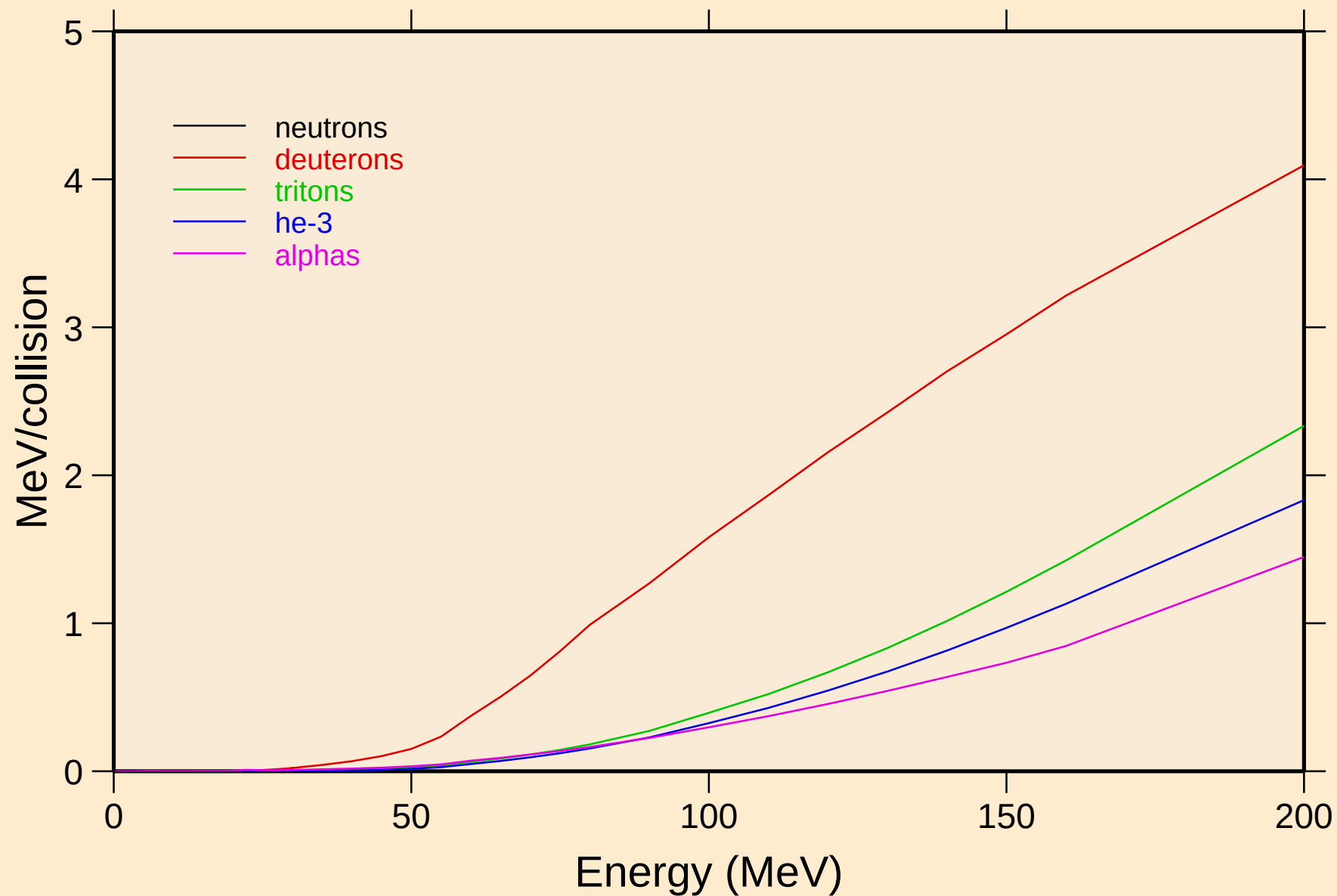


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



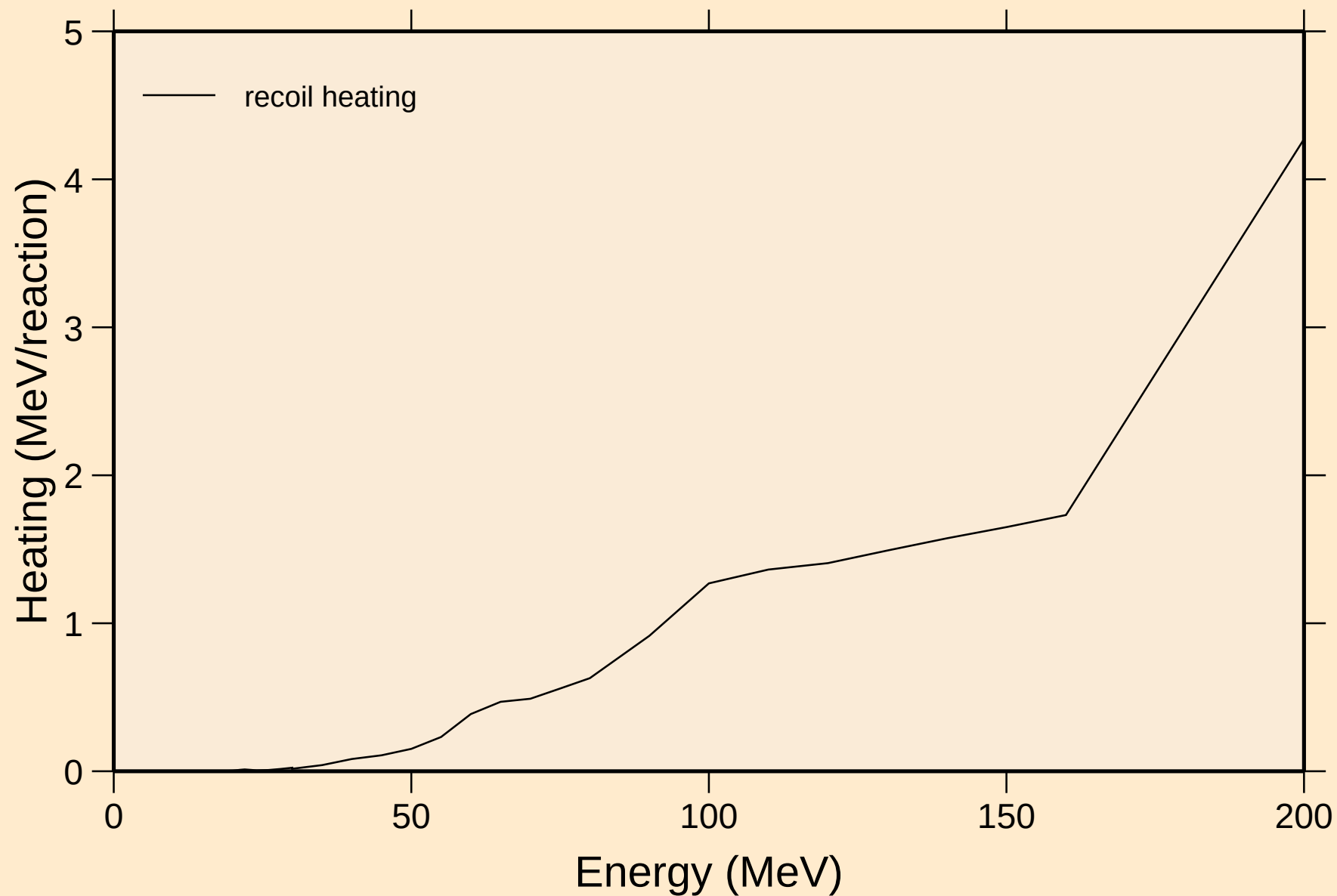
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



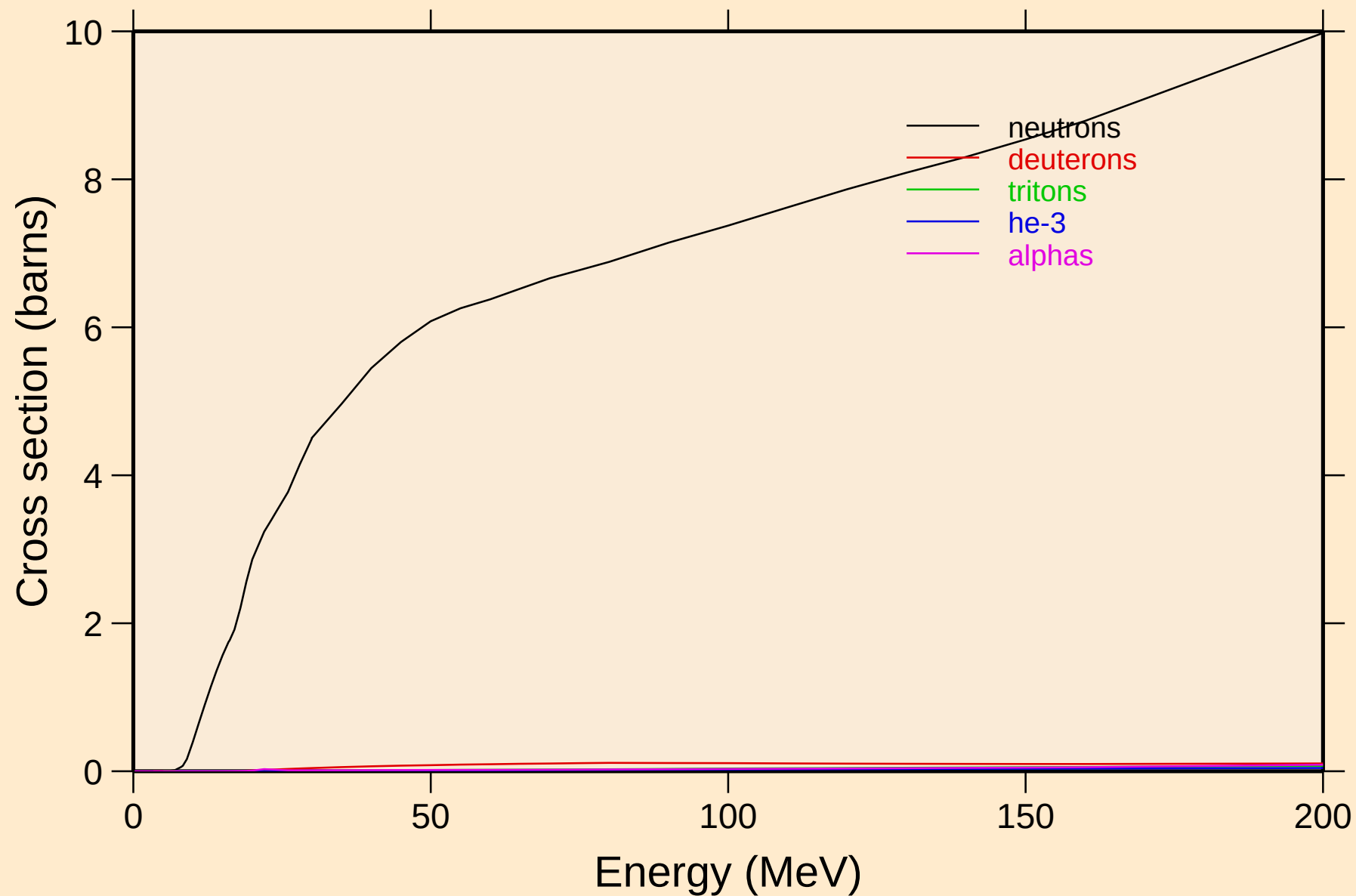
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

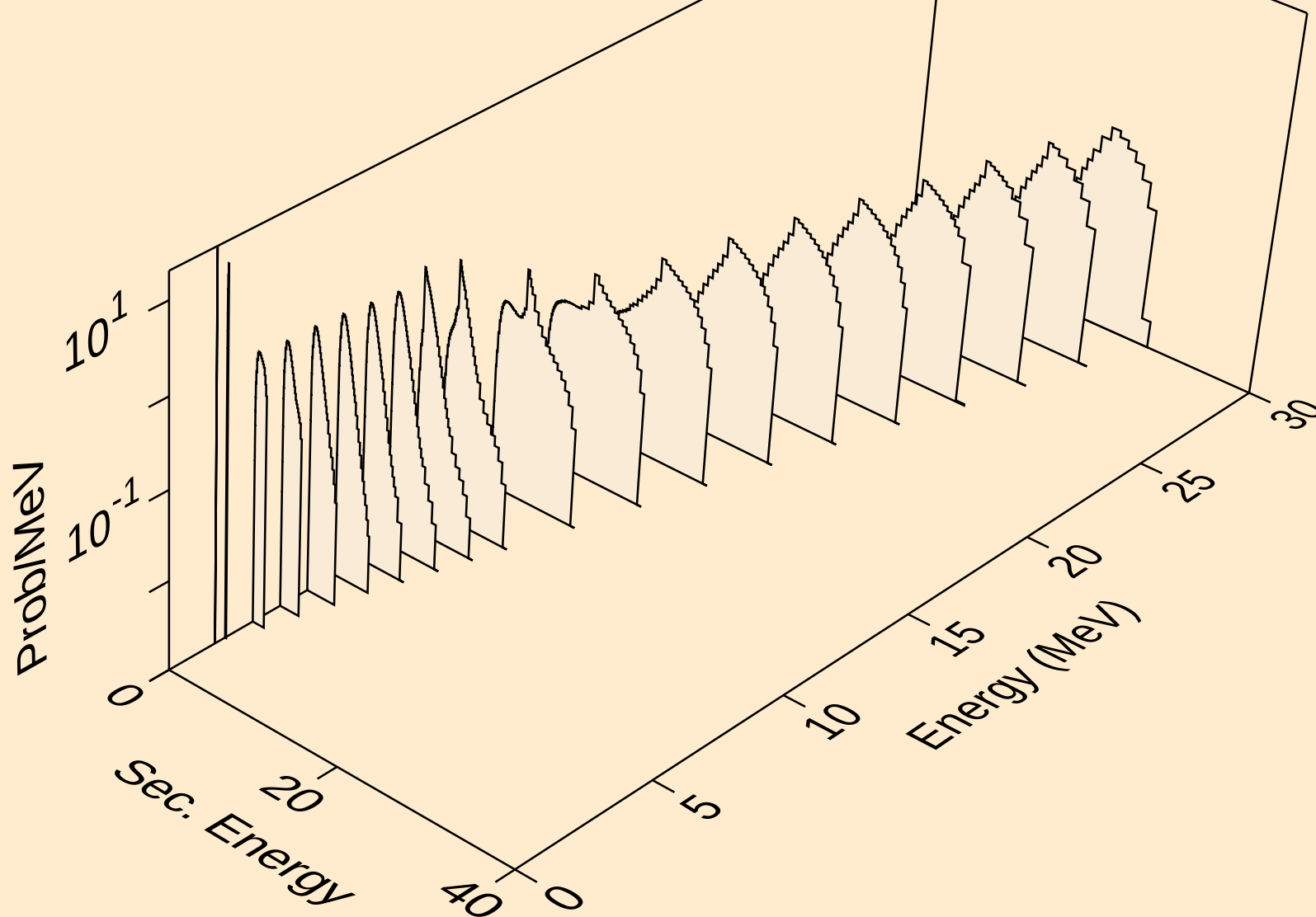


HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K

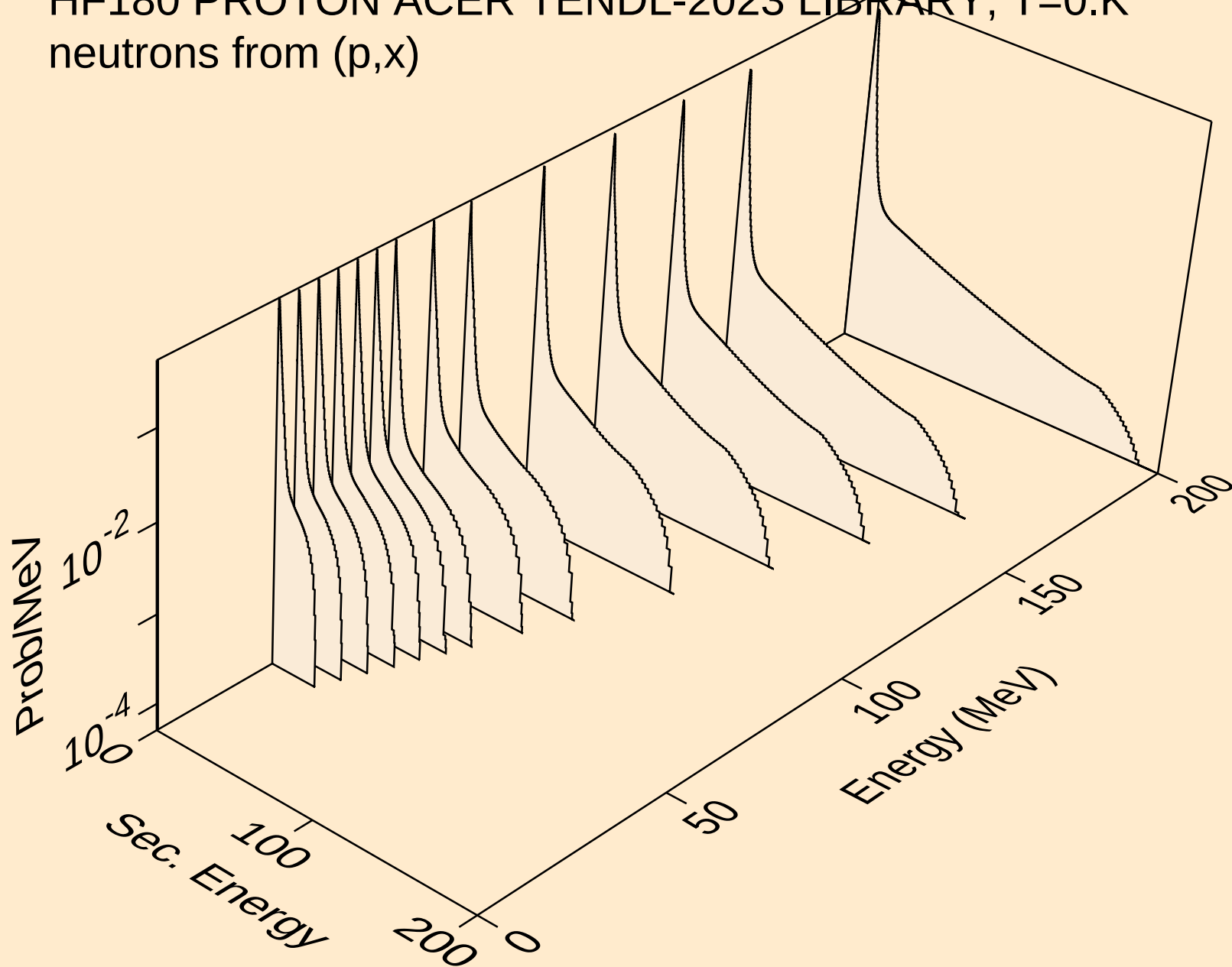
Particle production cross sections



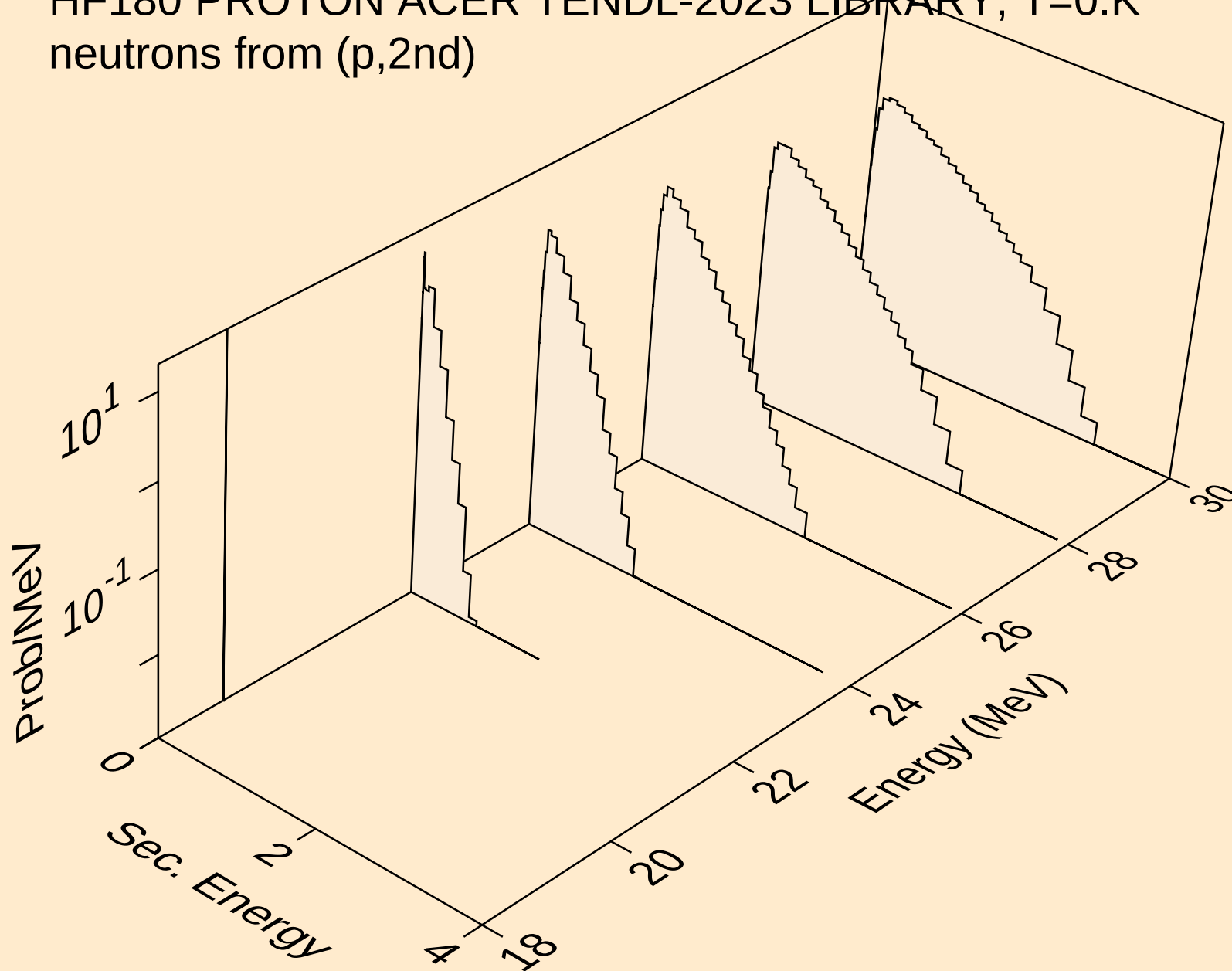
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



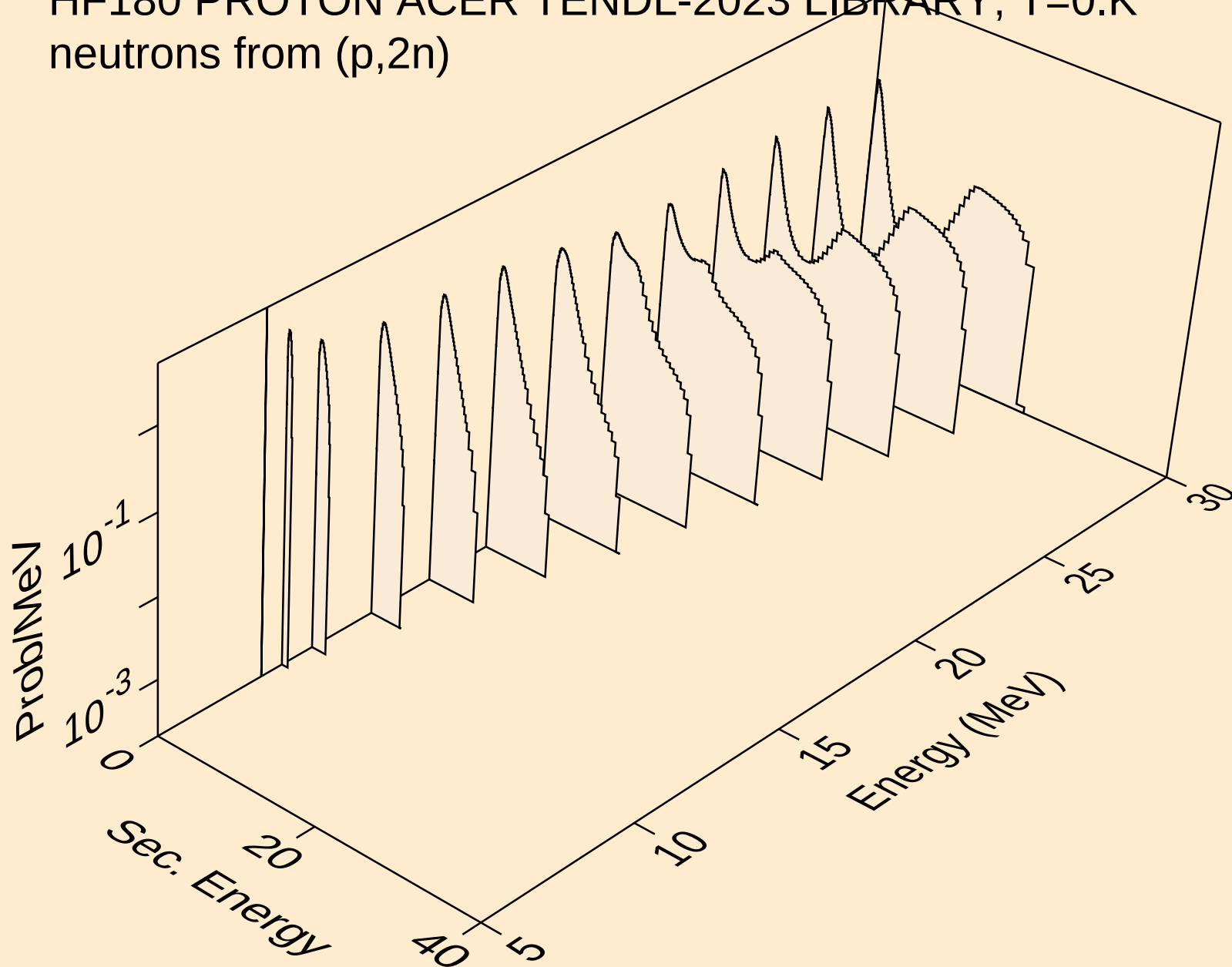
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



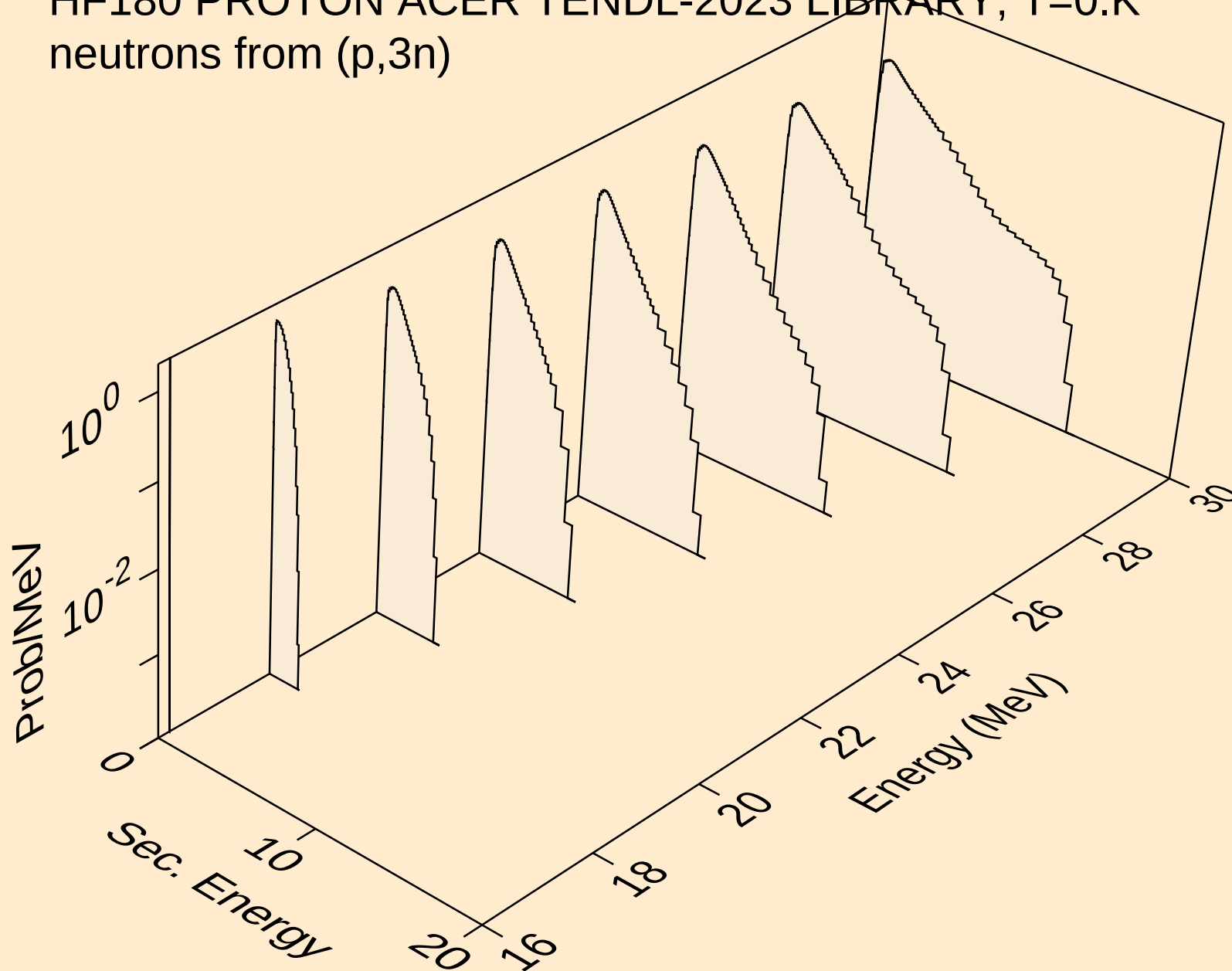
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2nd)



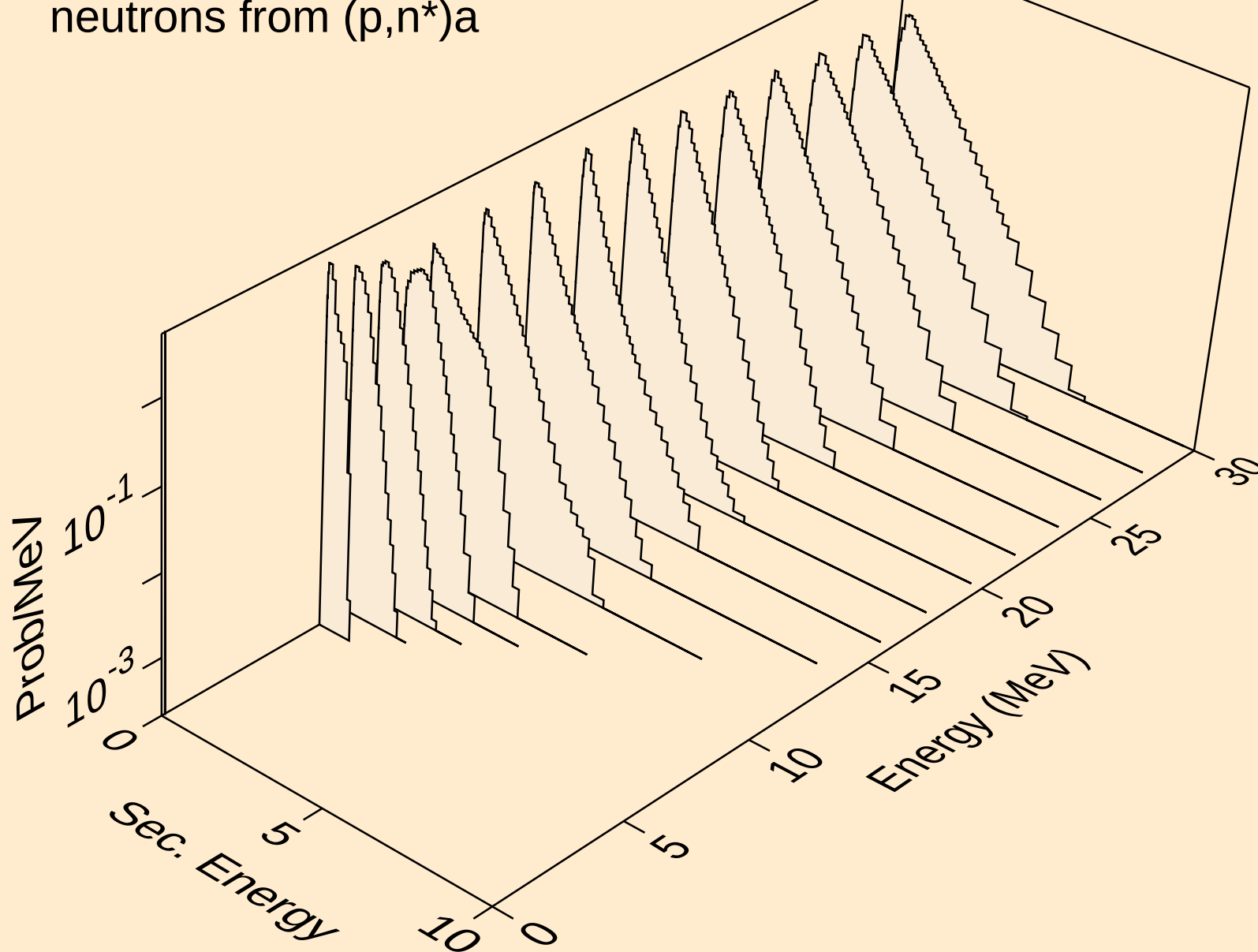
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



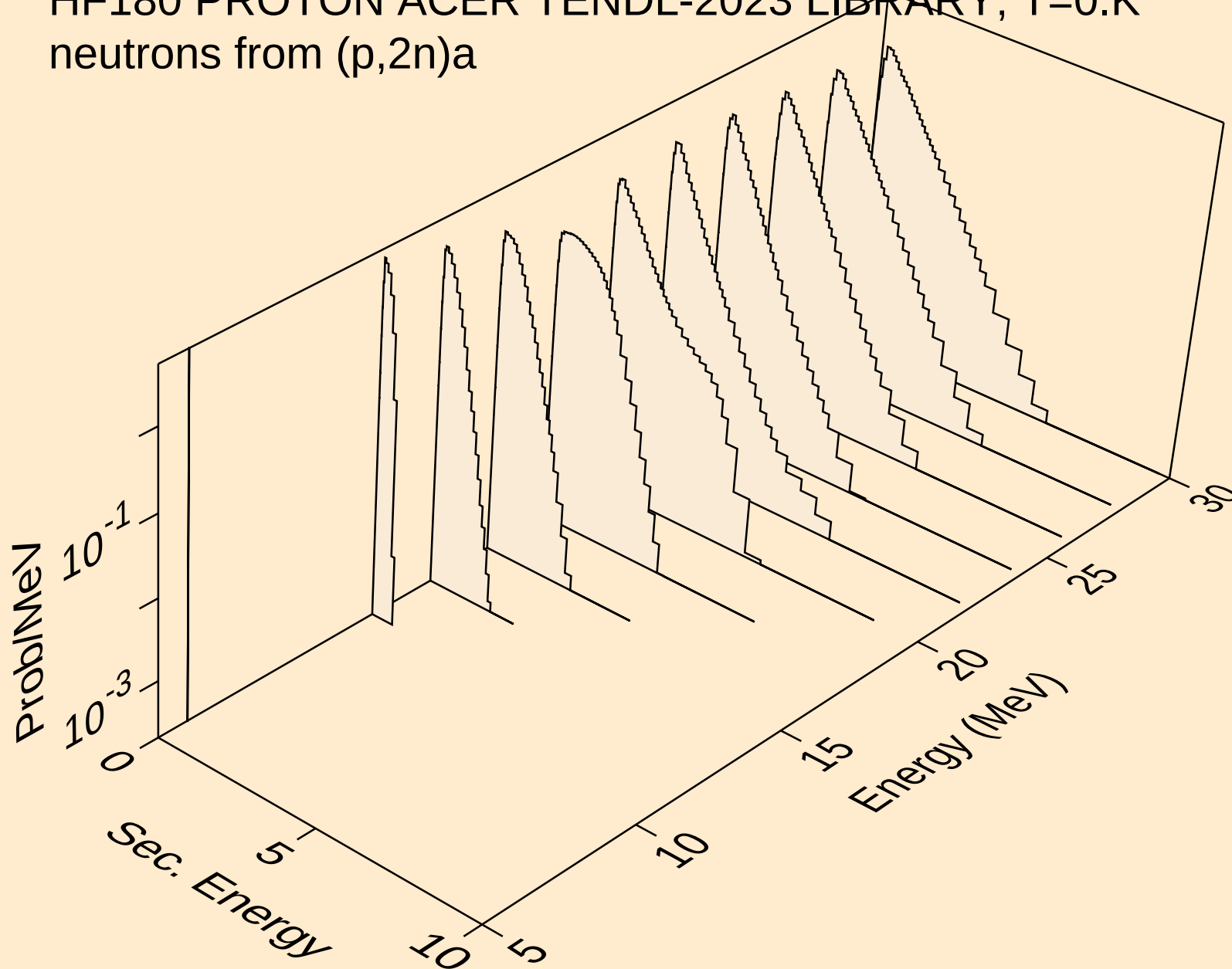
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)



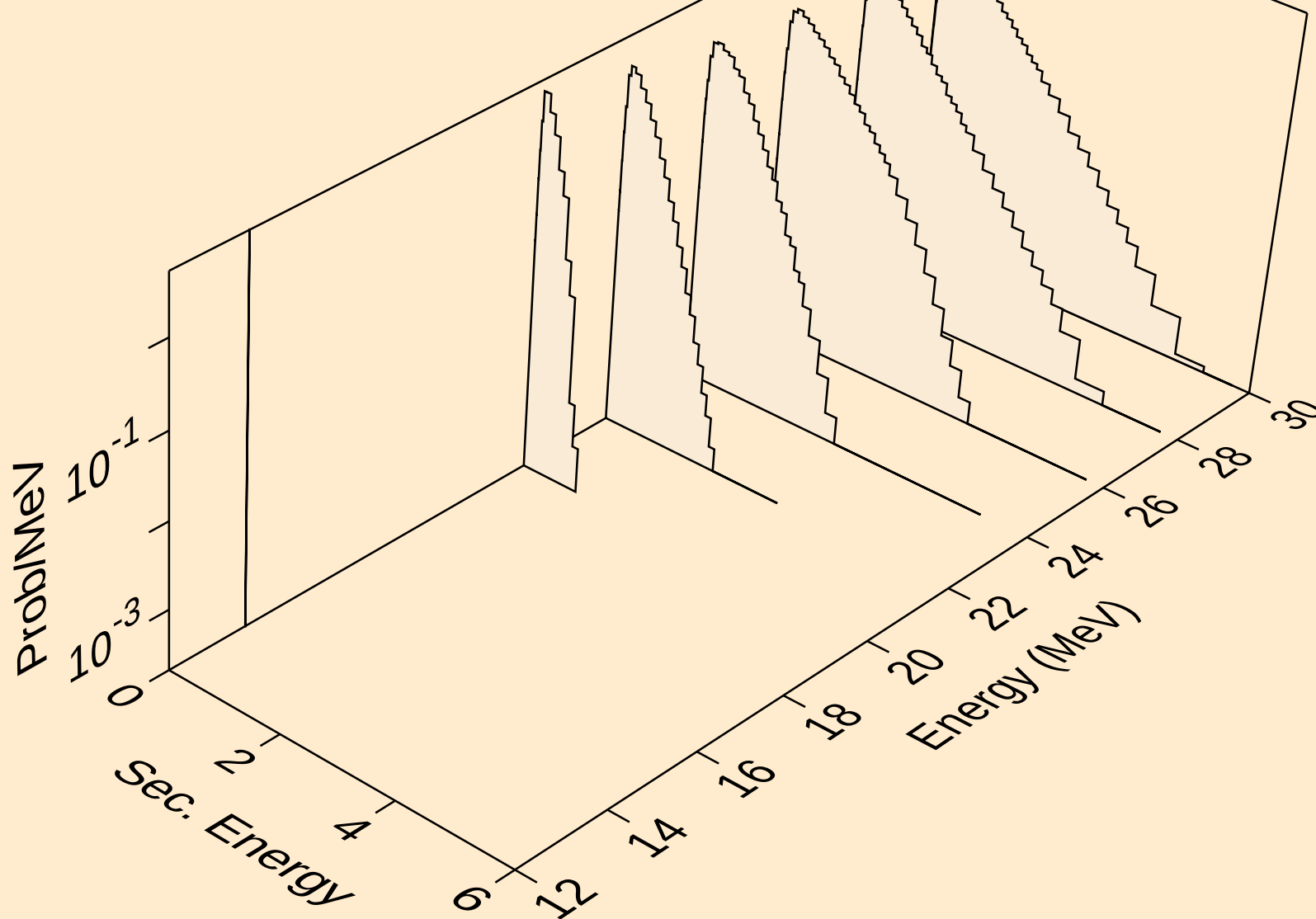
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



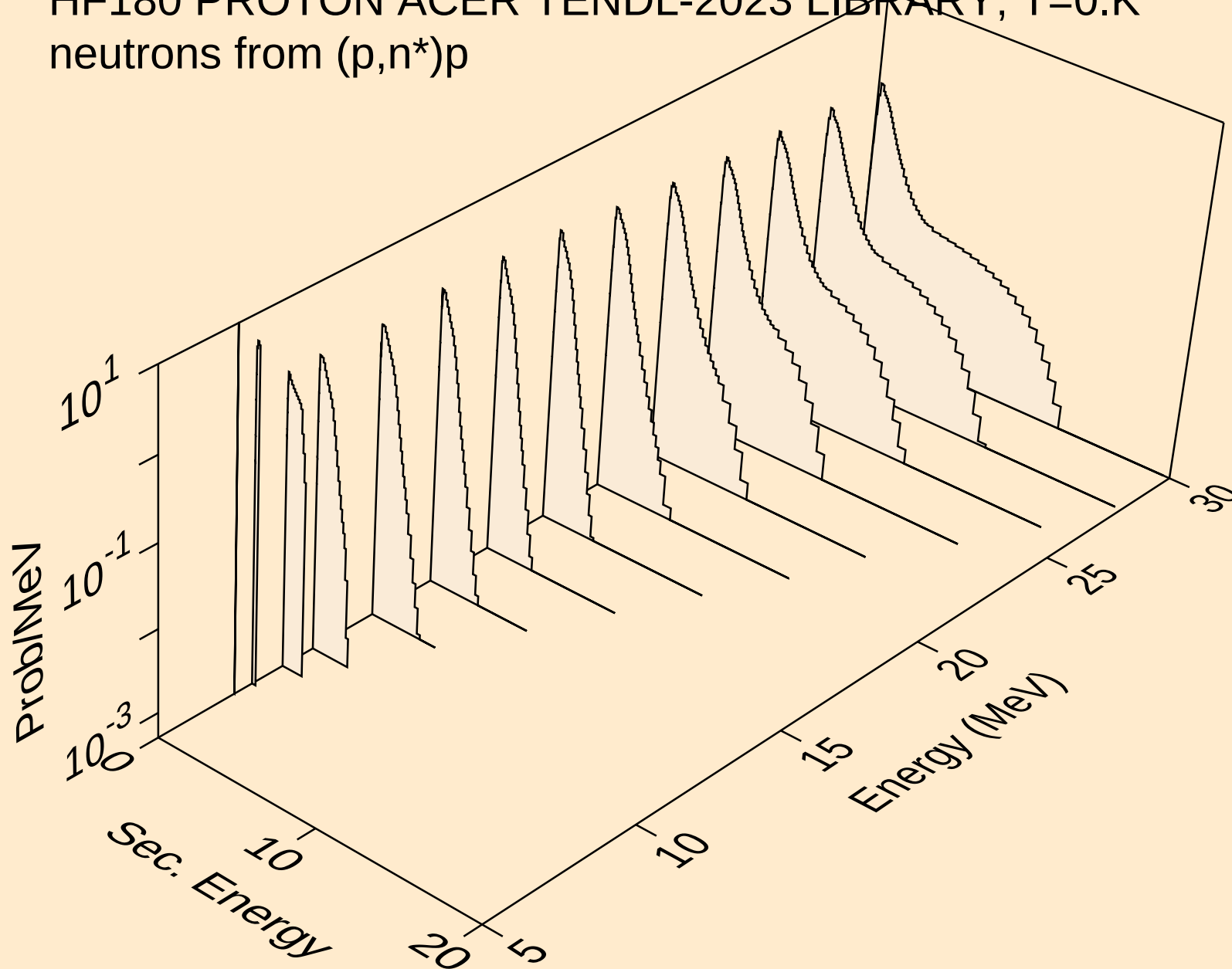
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



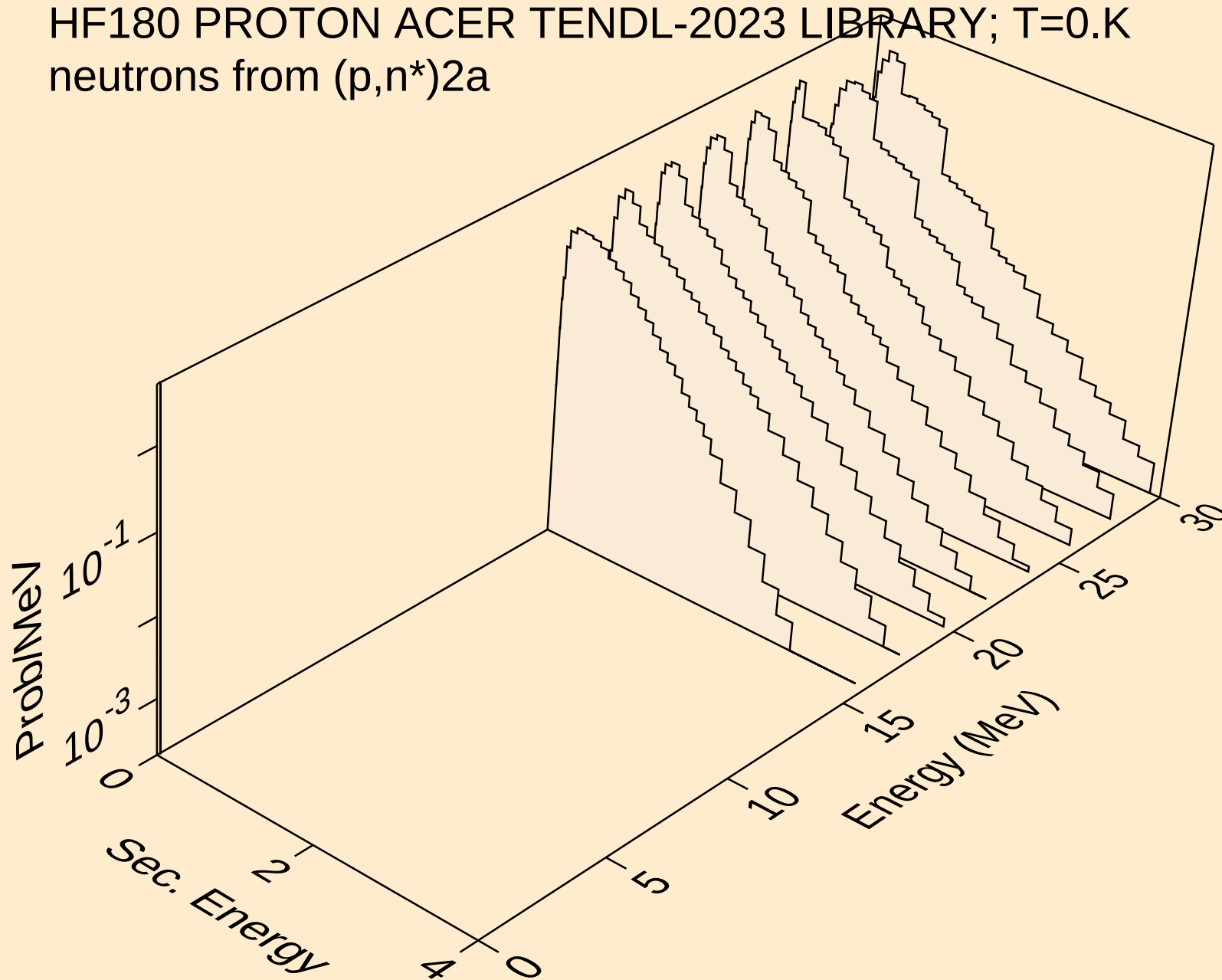
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from (p,3n)a



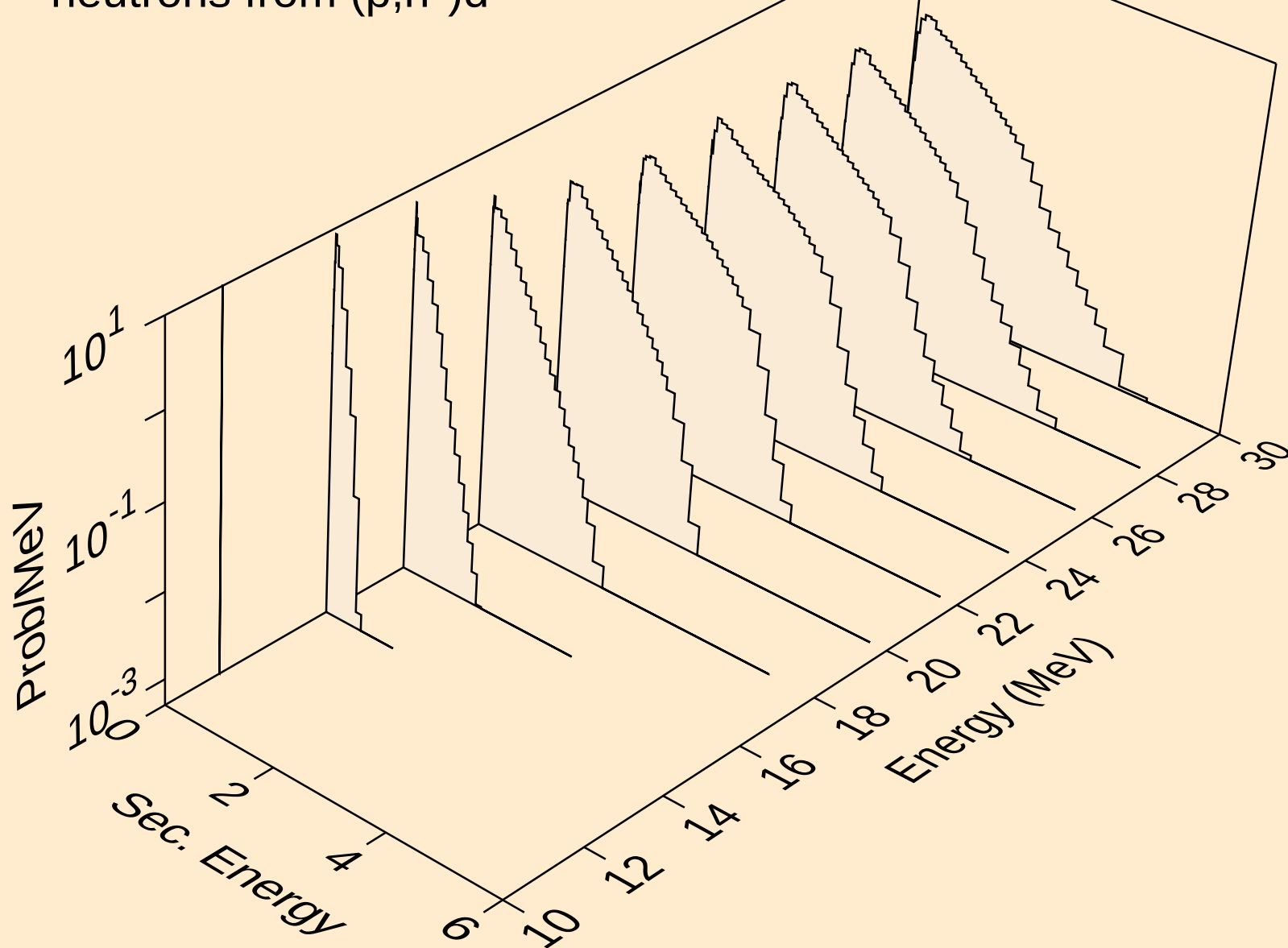
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from $(p,n^*)p$



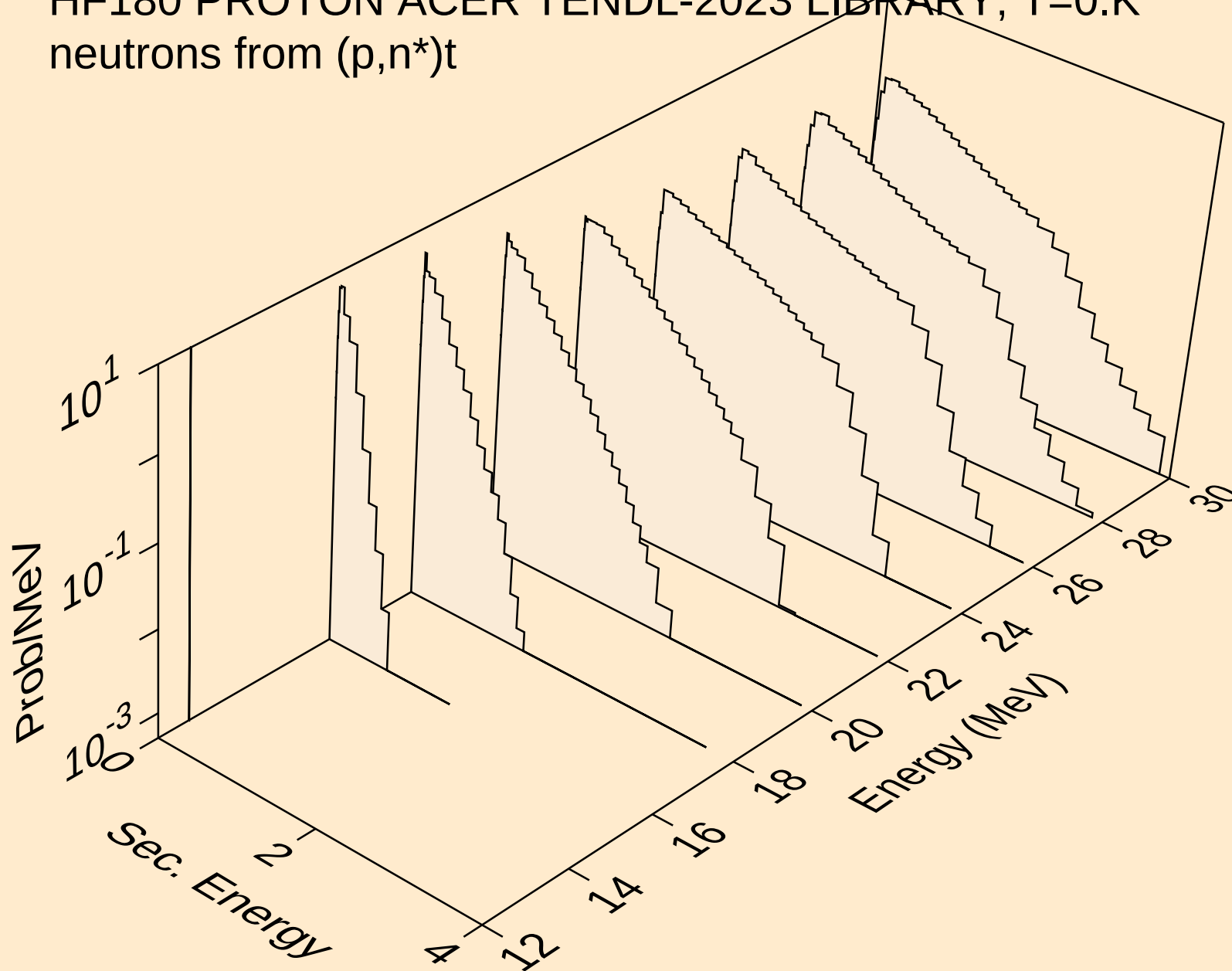
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)2a



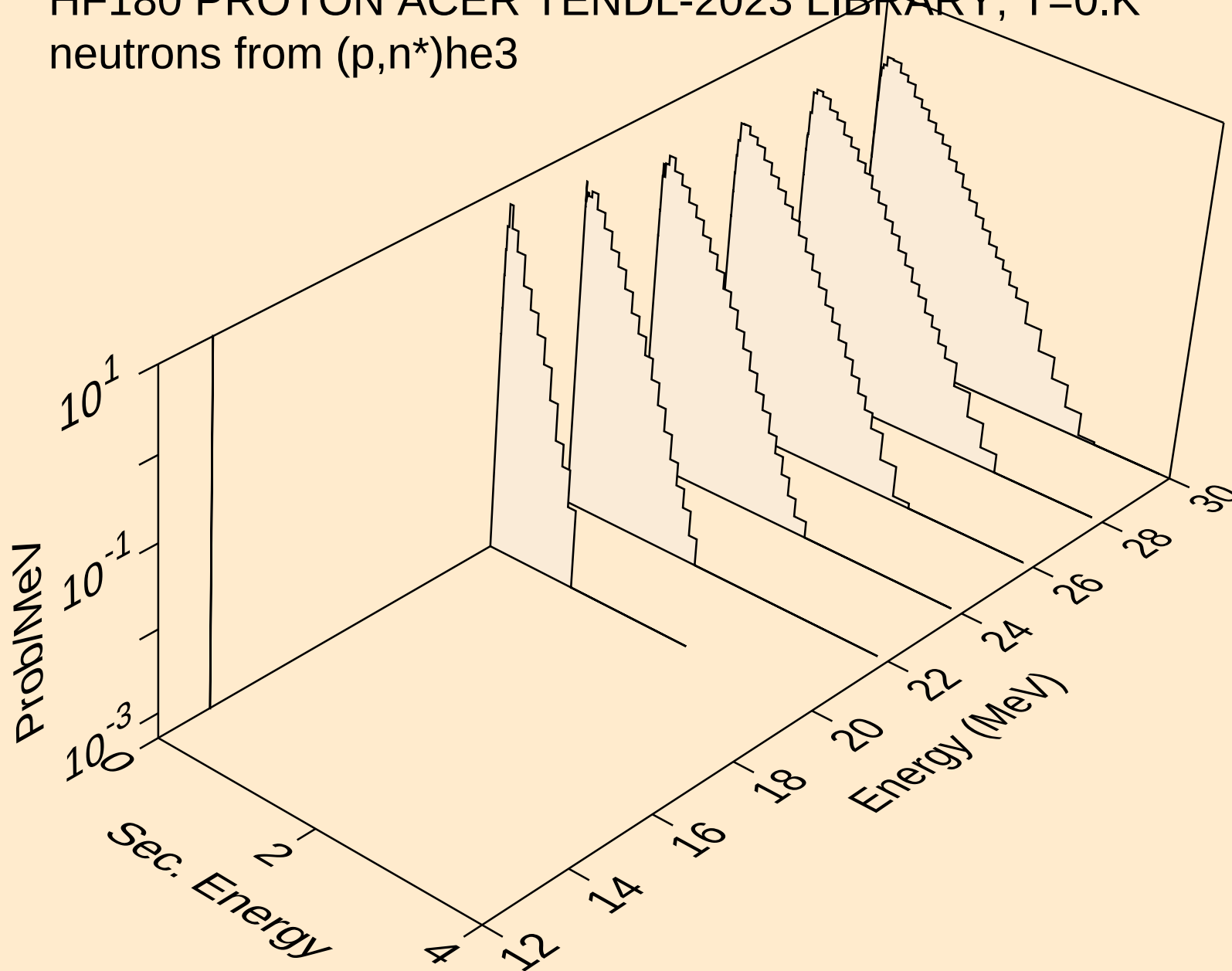
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from $(p,n^*)d$



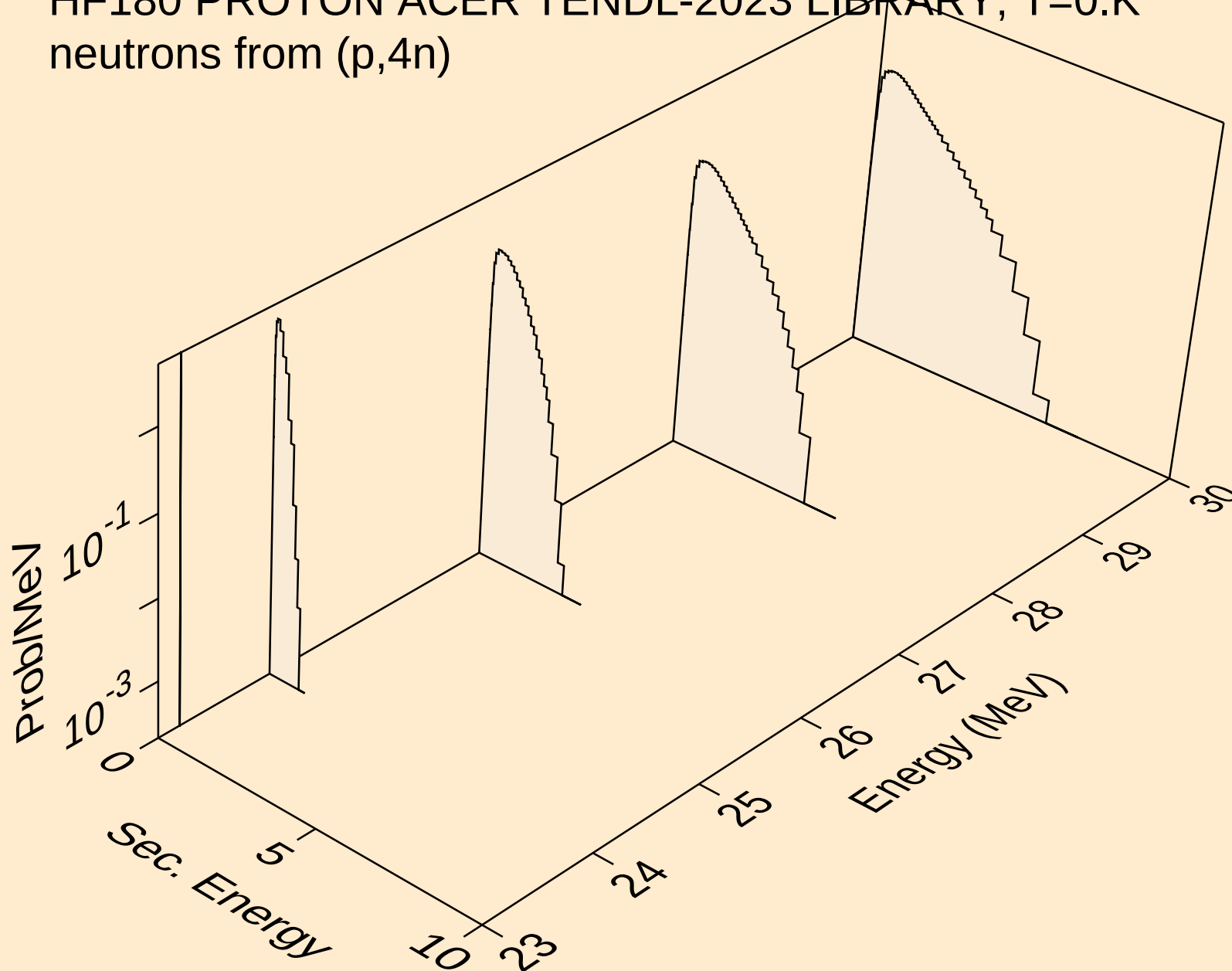
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from $(p,n^*)t$



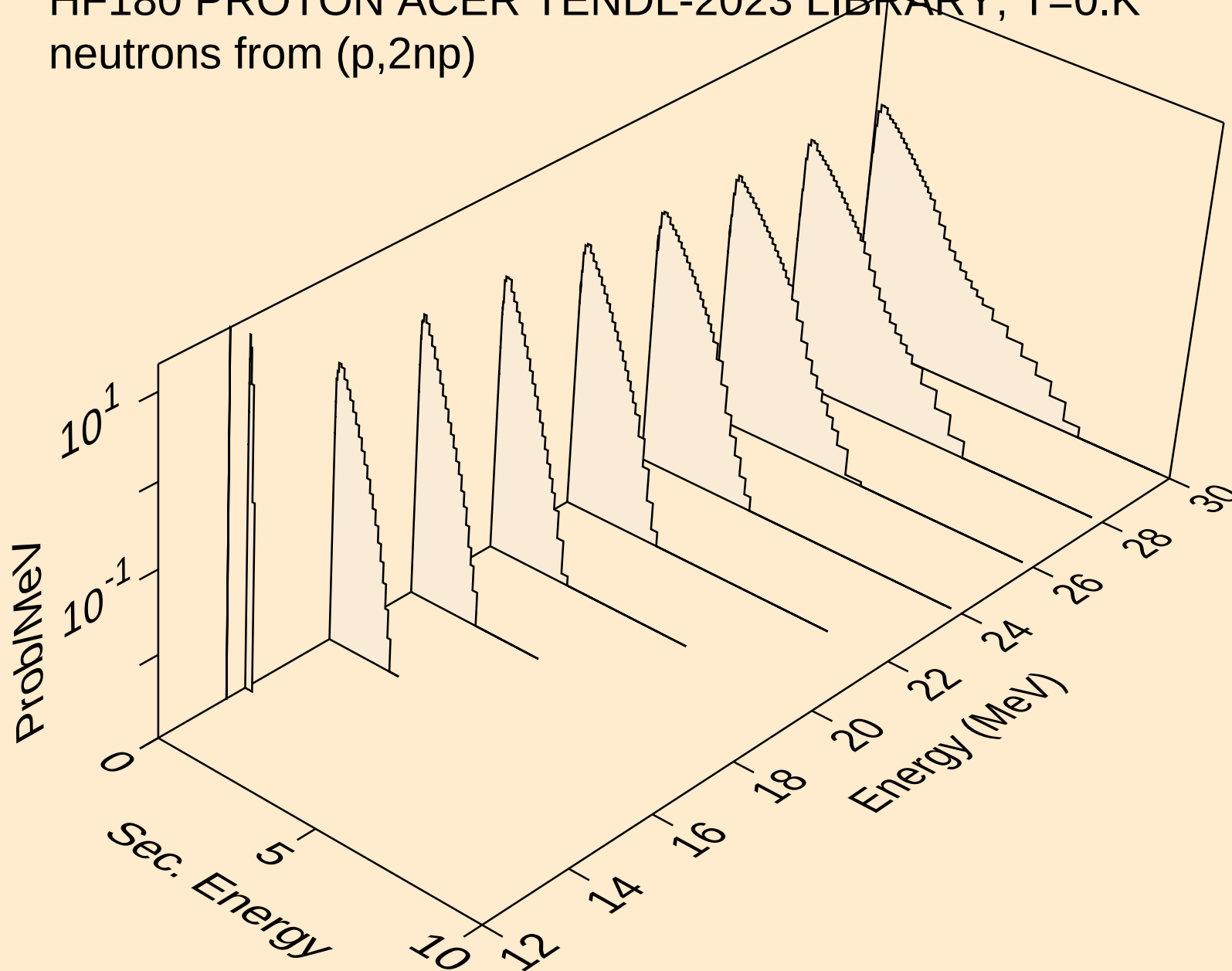
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from $(p,n^*)\text{he3}$



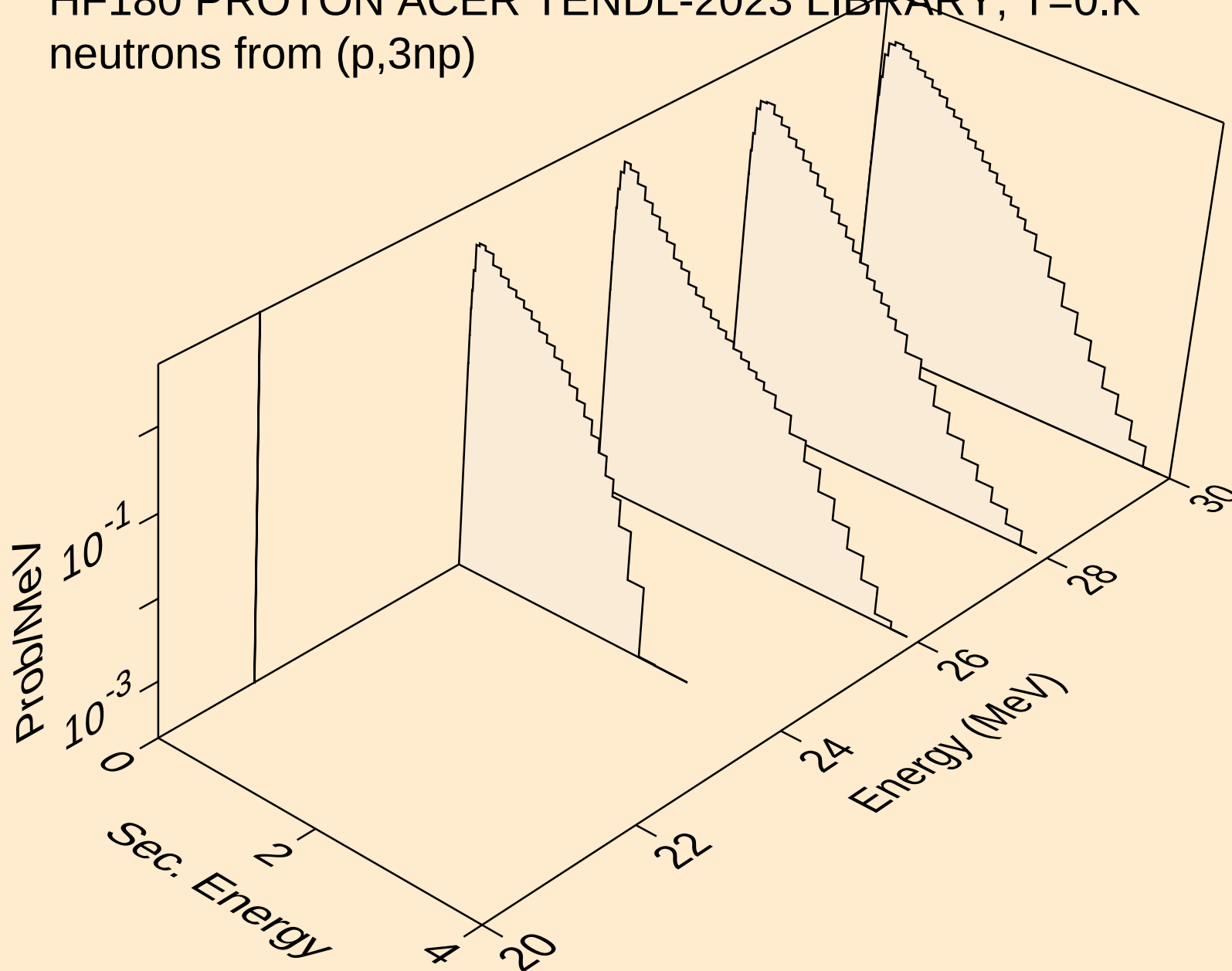
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,4n)



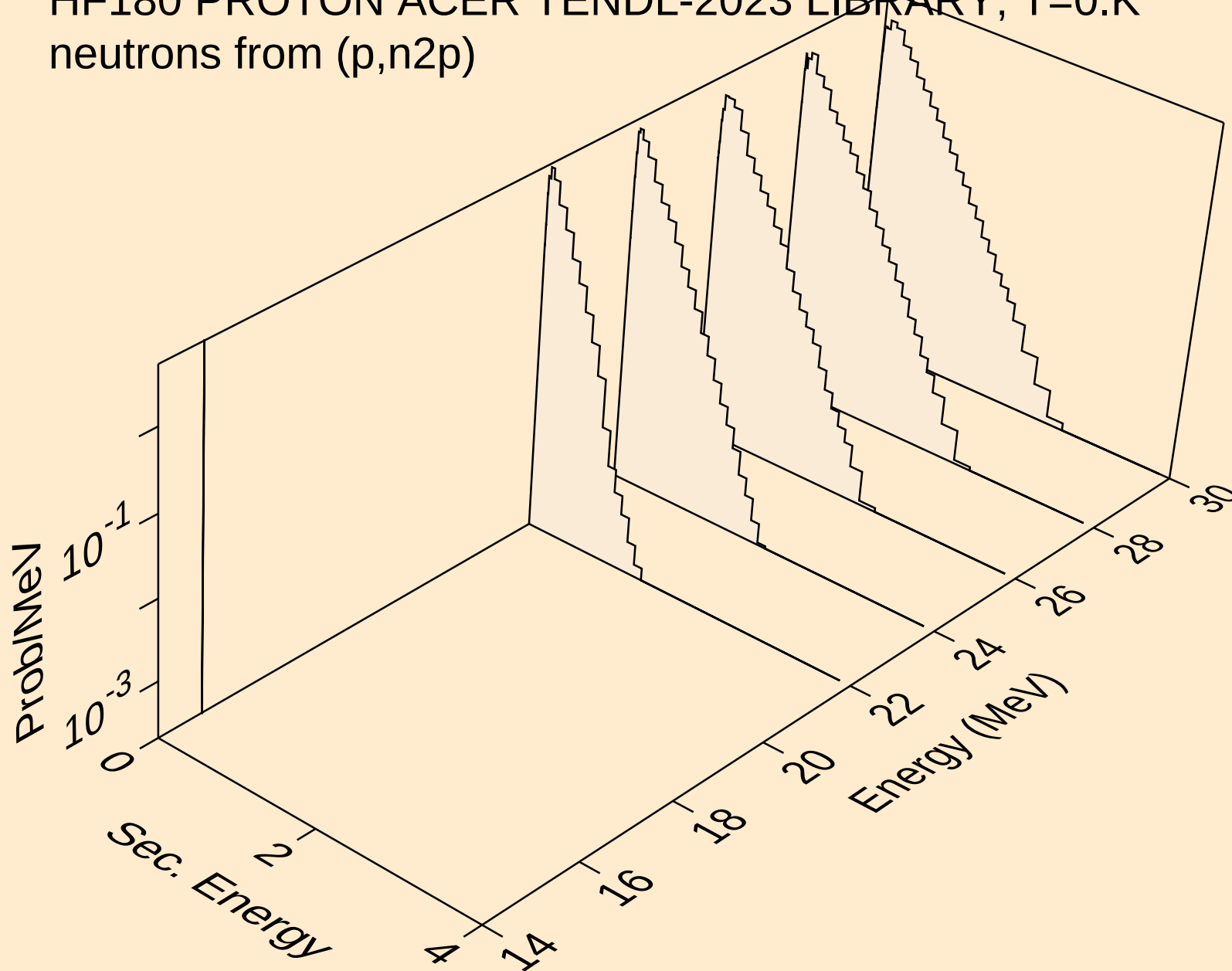
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from (p,2np)



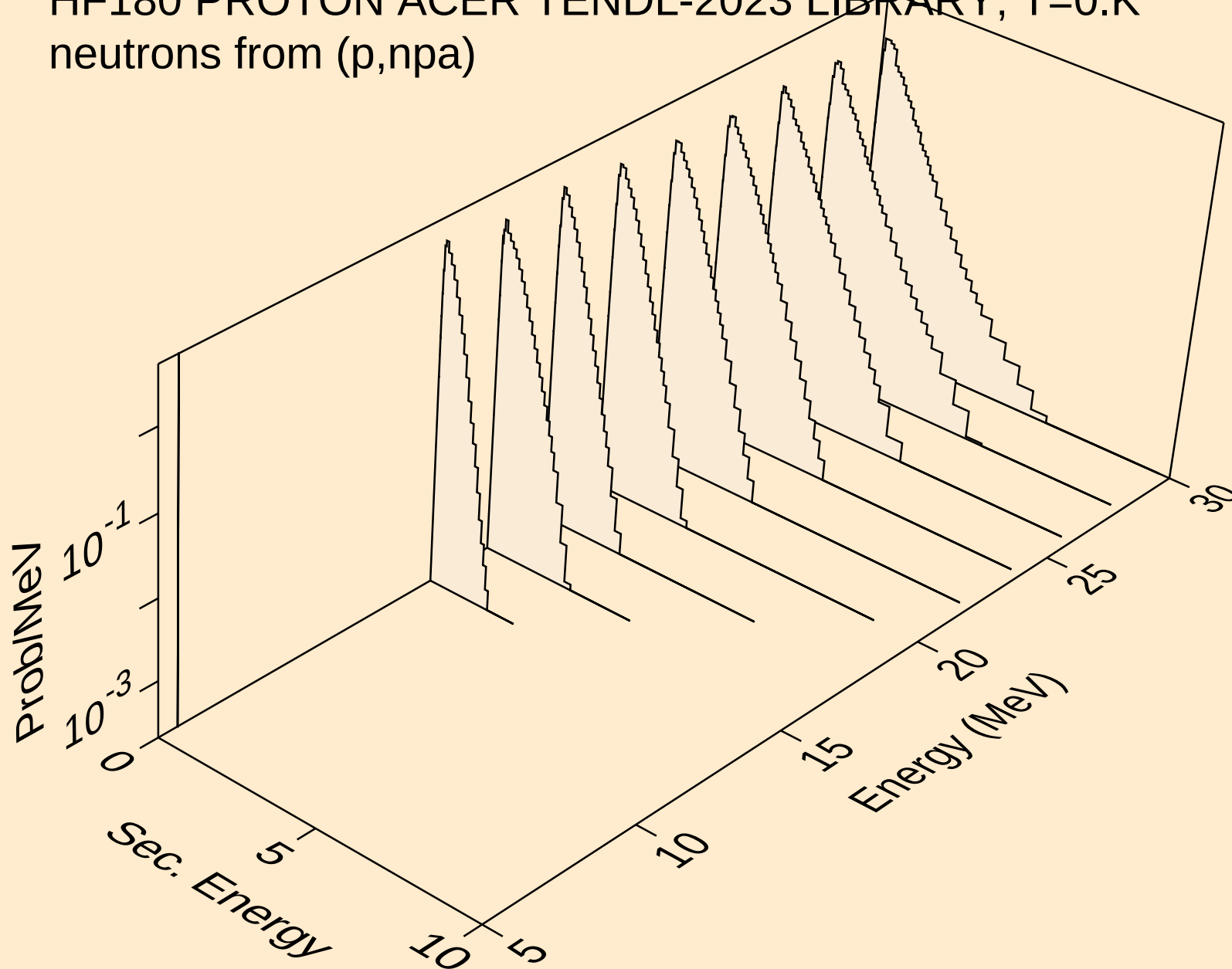
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
neutrons from (p,3np)



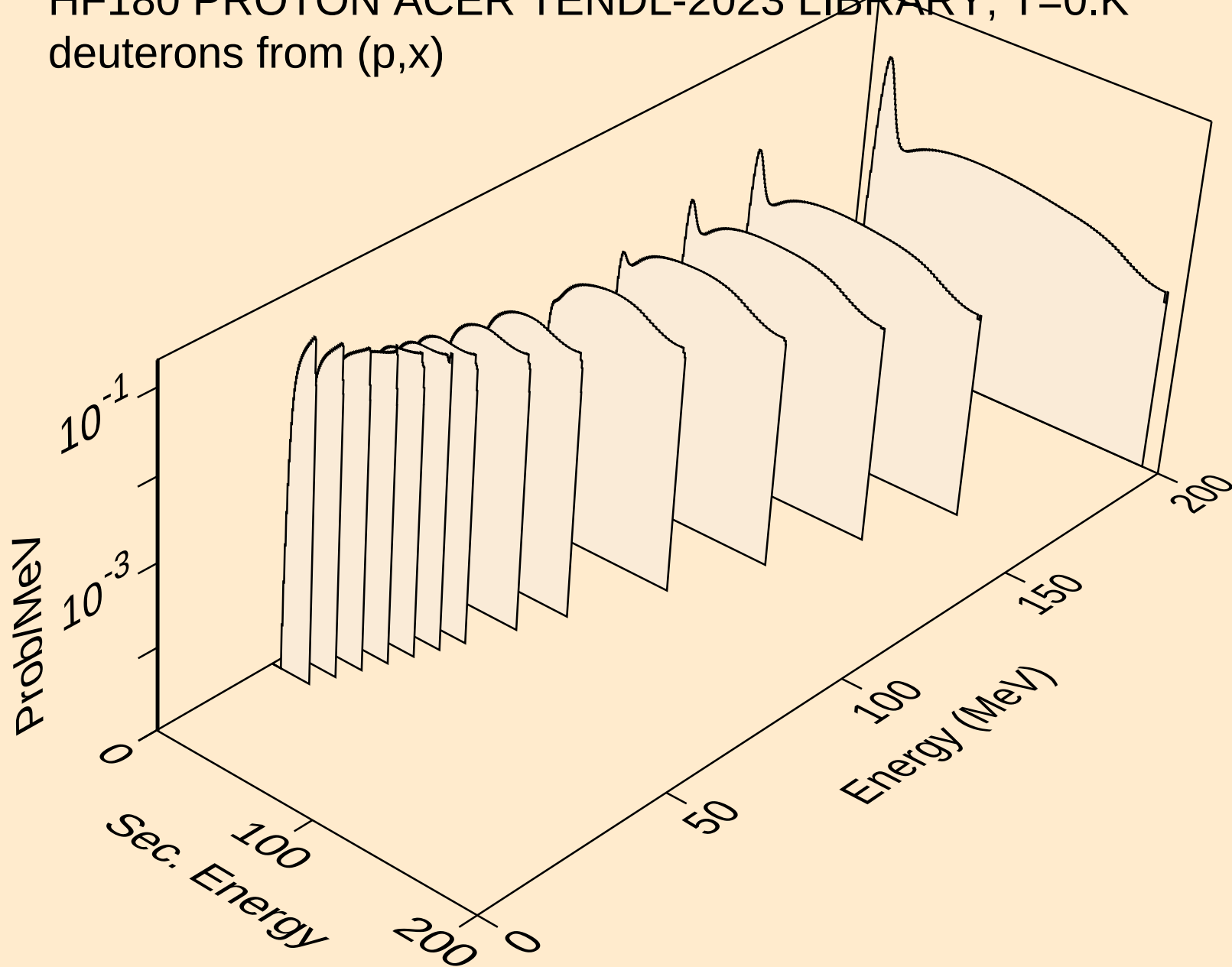
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)



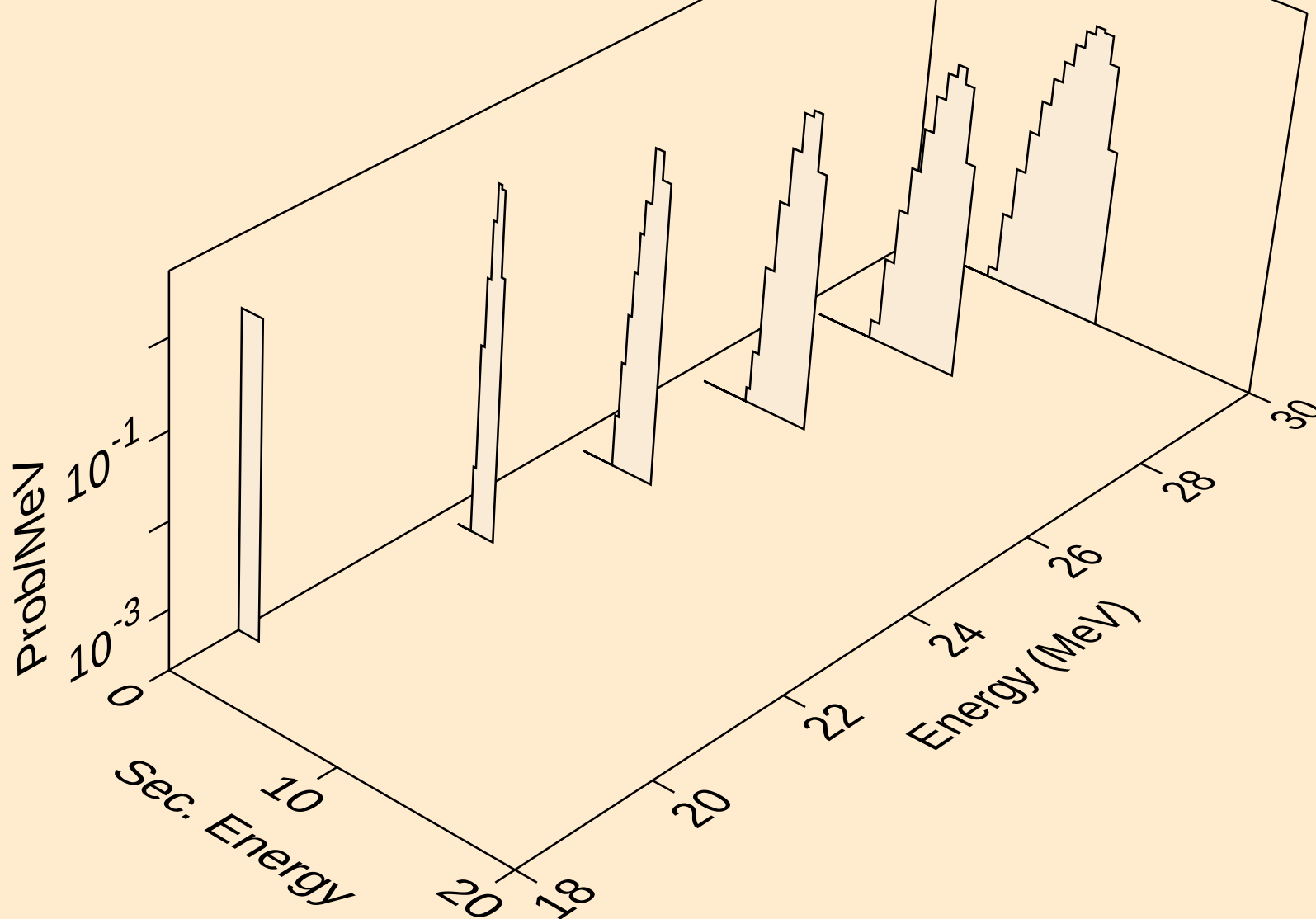
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,npa)



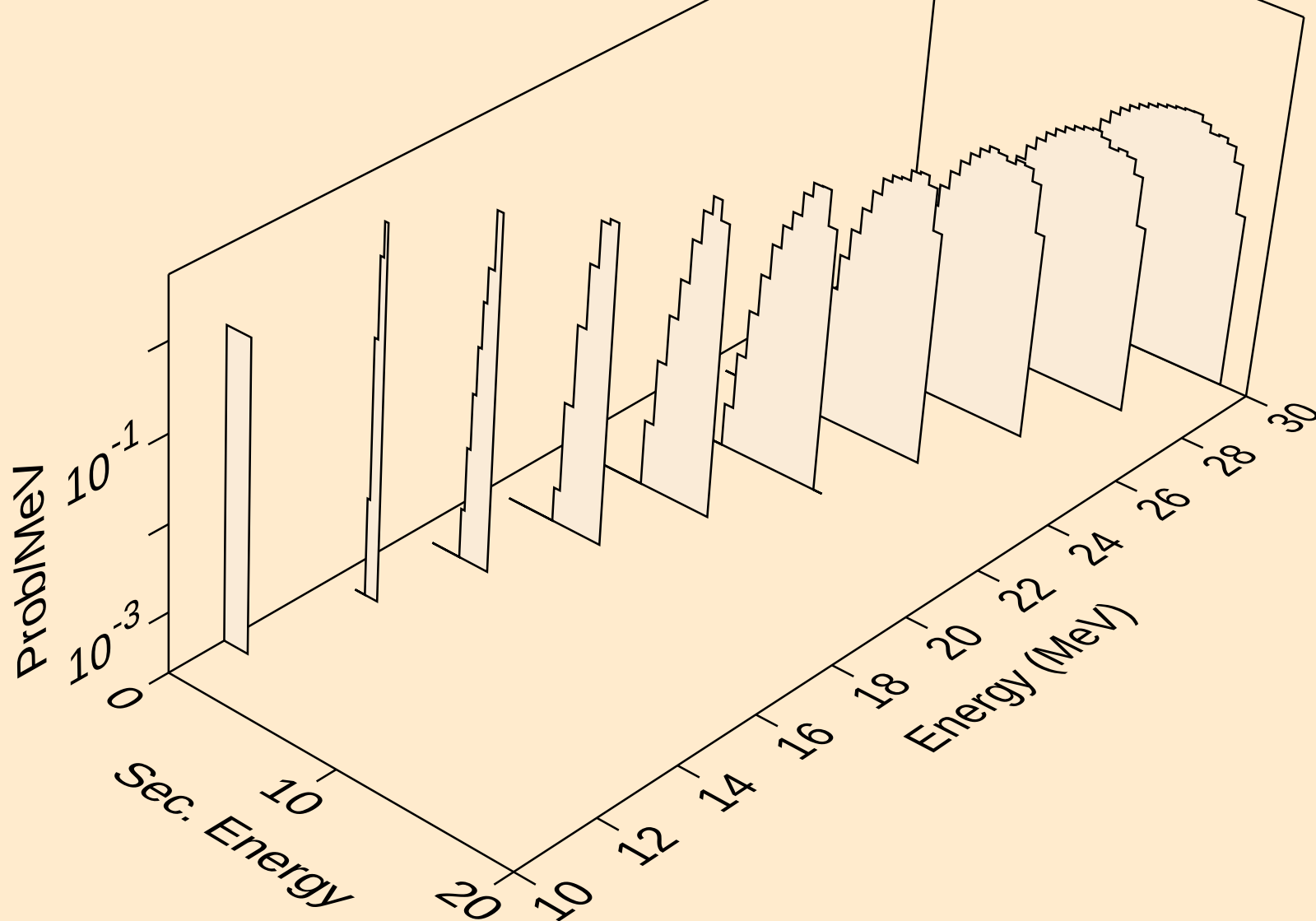
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)



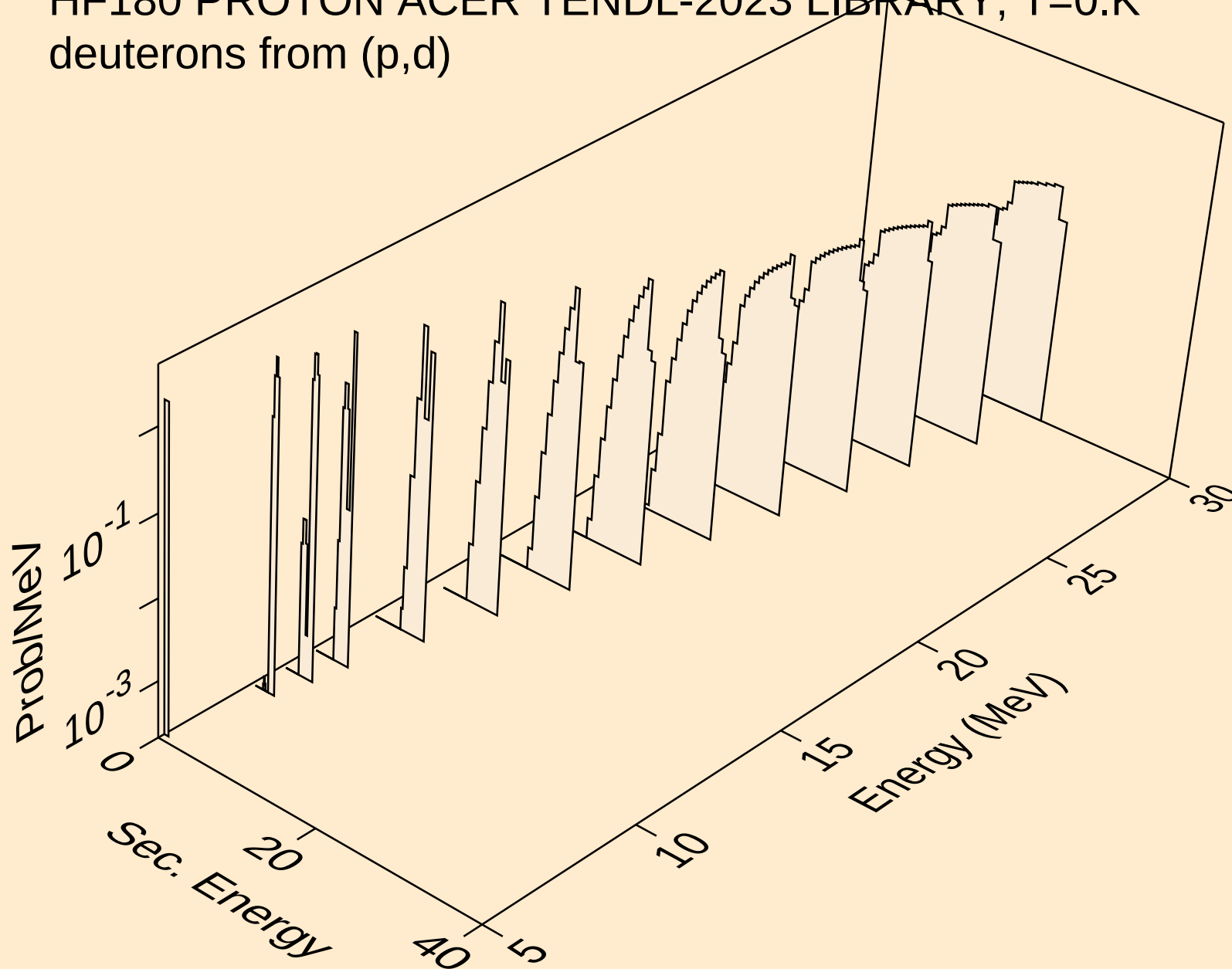
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deuterons from (p,2nd)



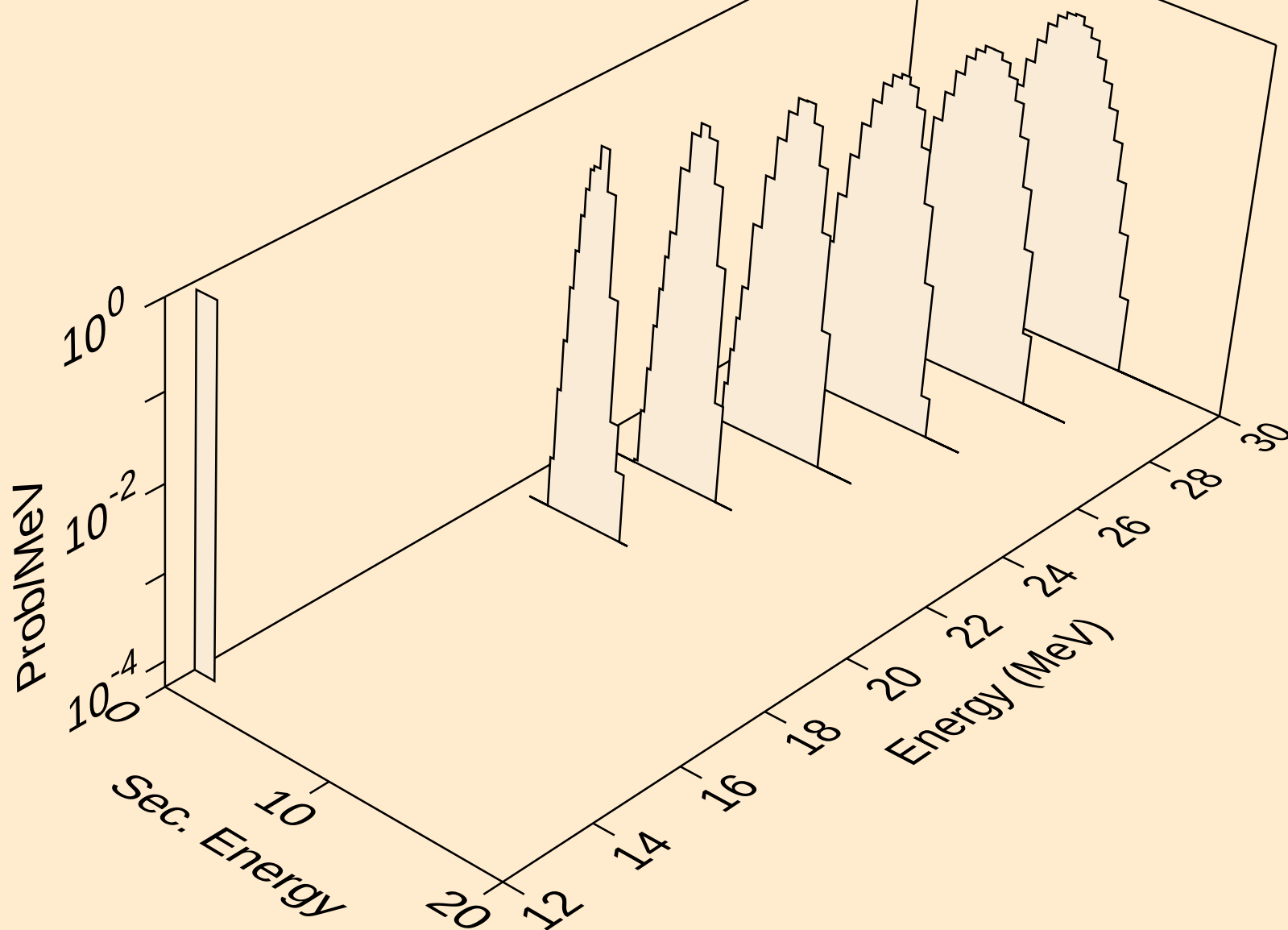
HF180 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
deuterons from $(p,n^*)d$



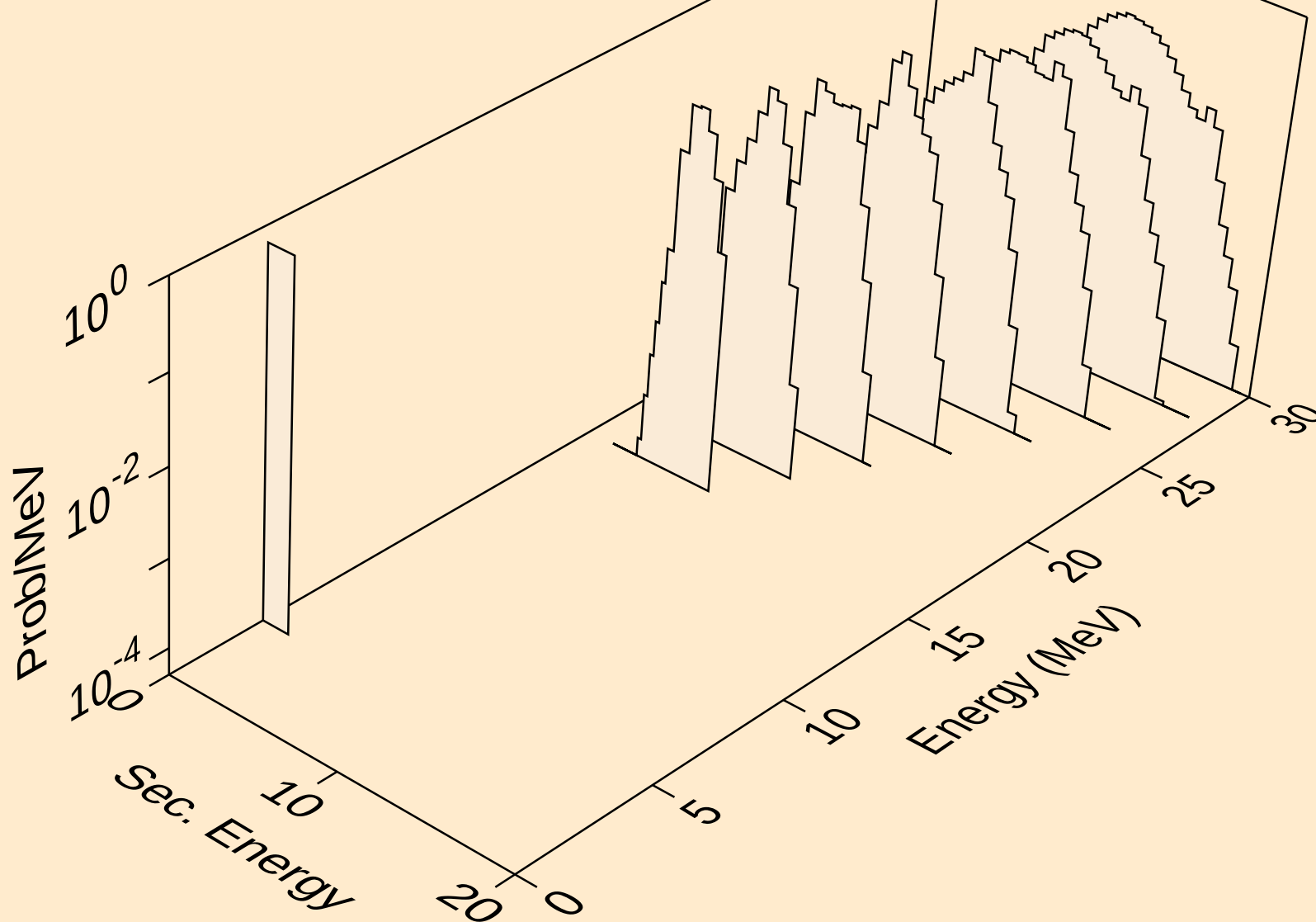
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deuterons from (p,d)



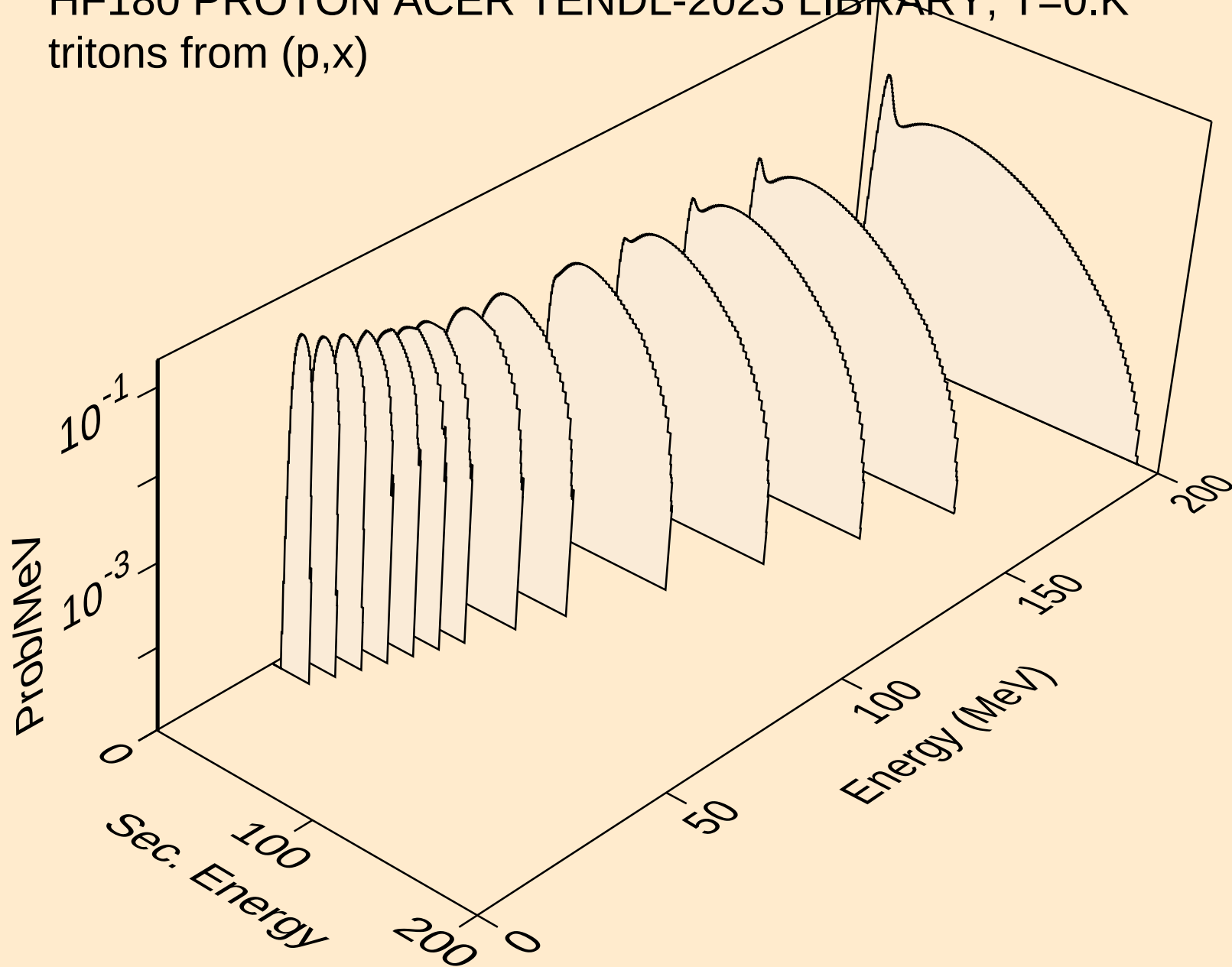
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deuterons from (p,pd)



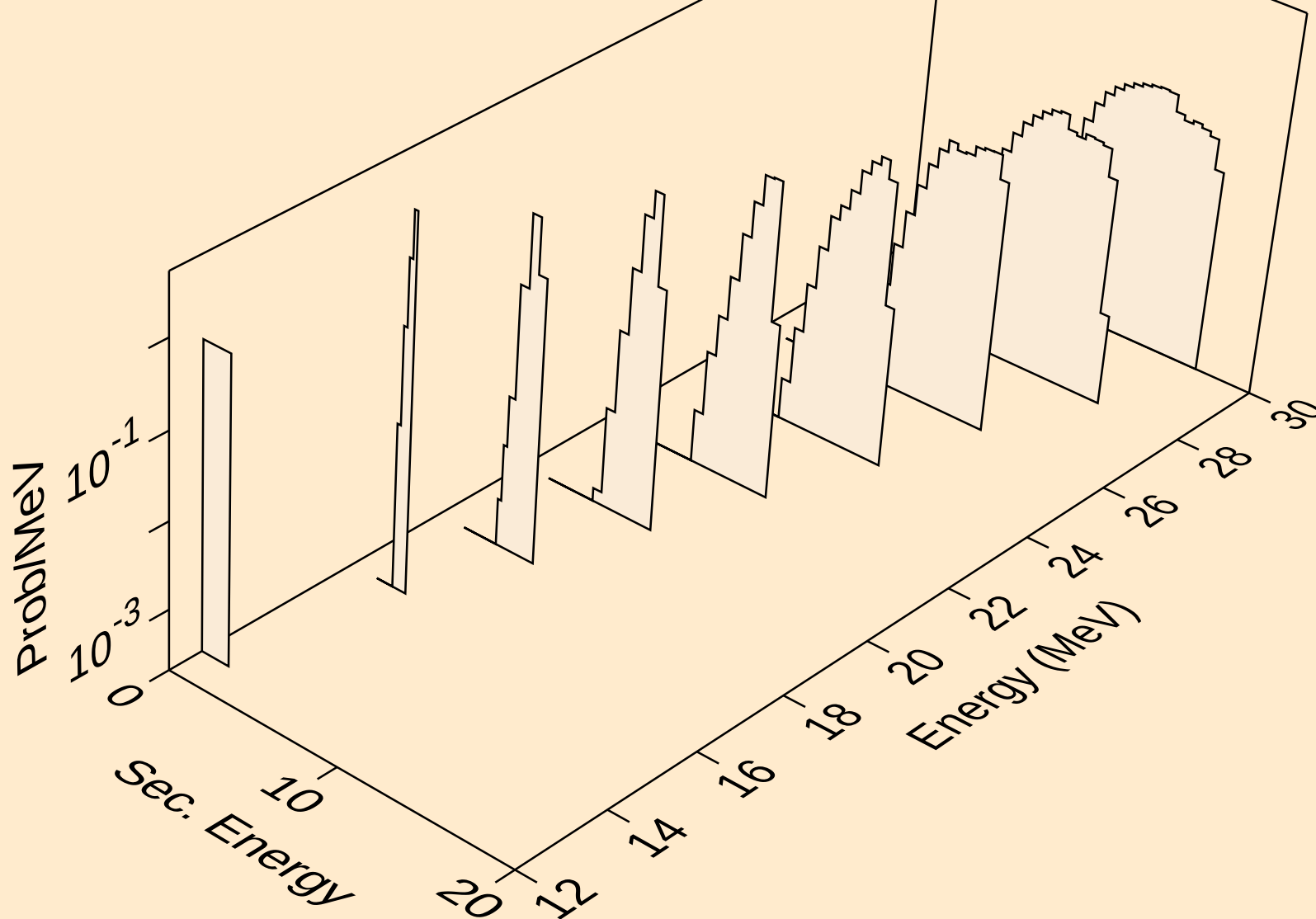
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deuterons from (p,da)



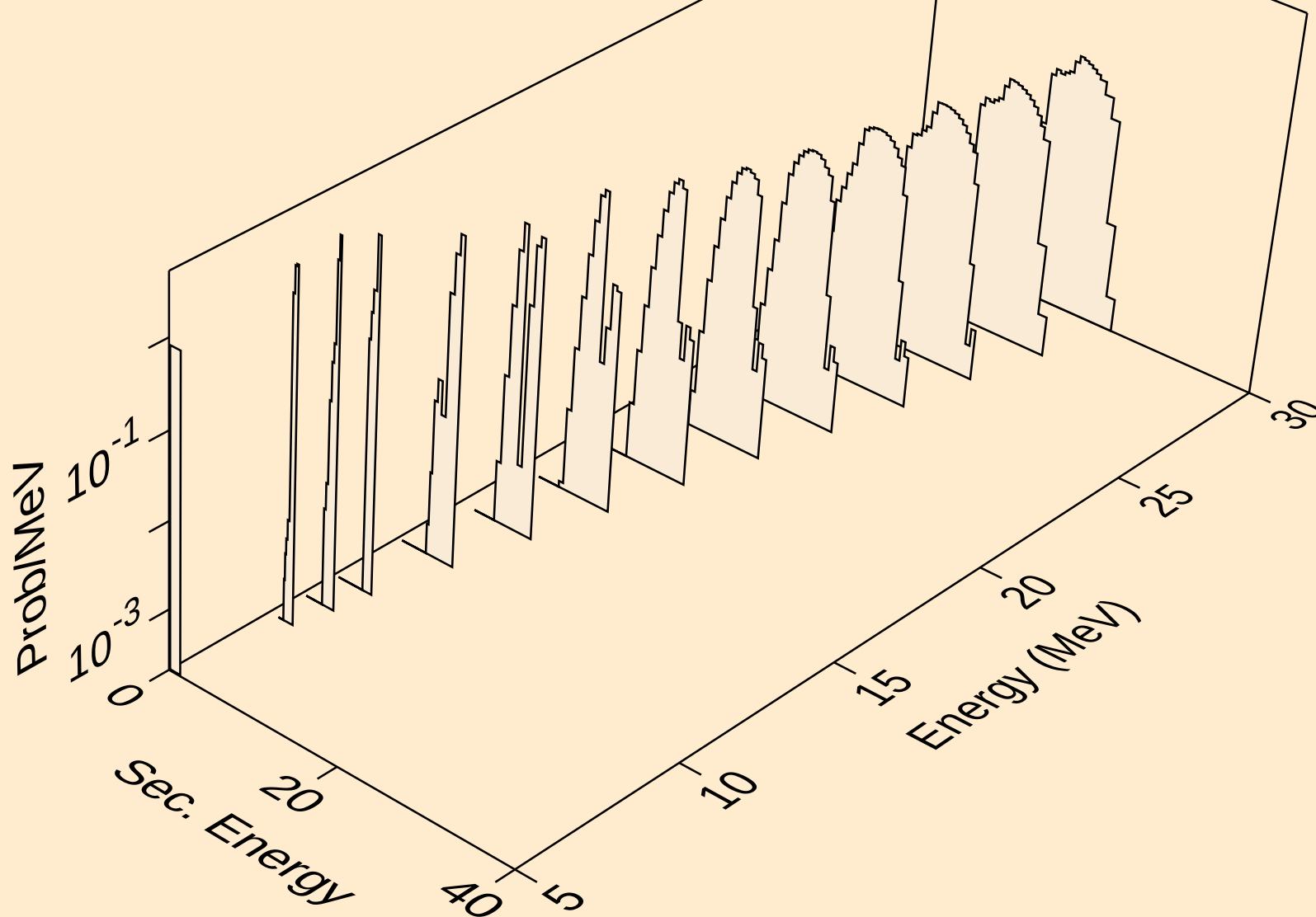
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)



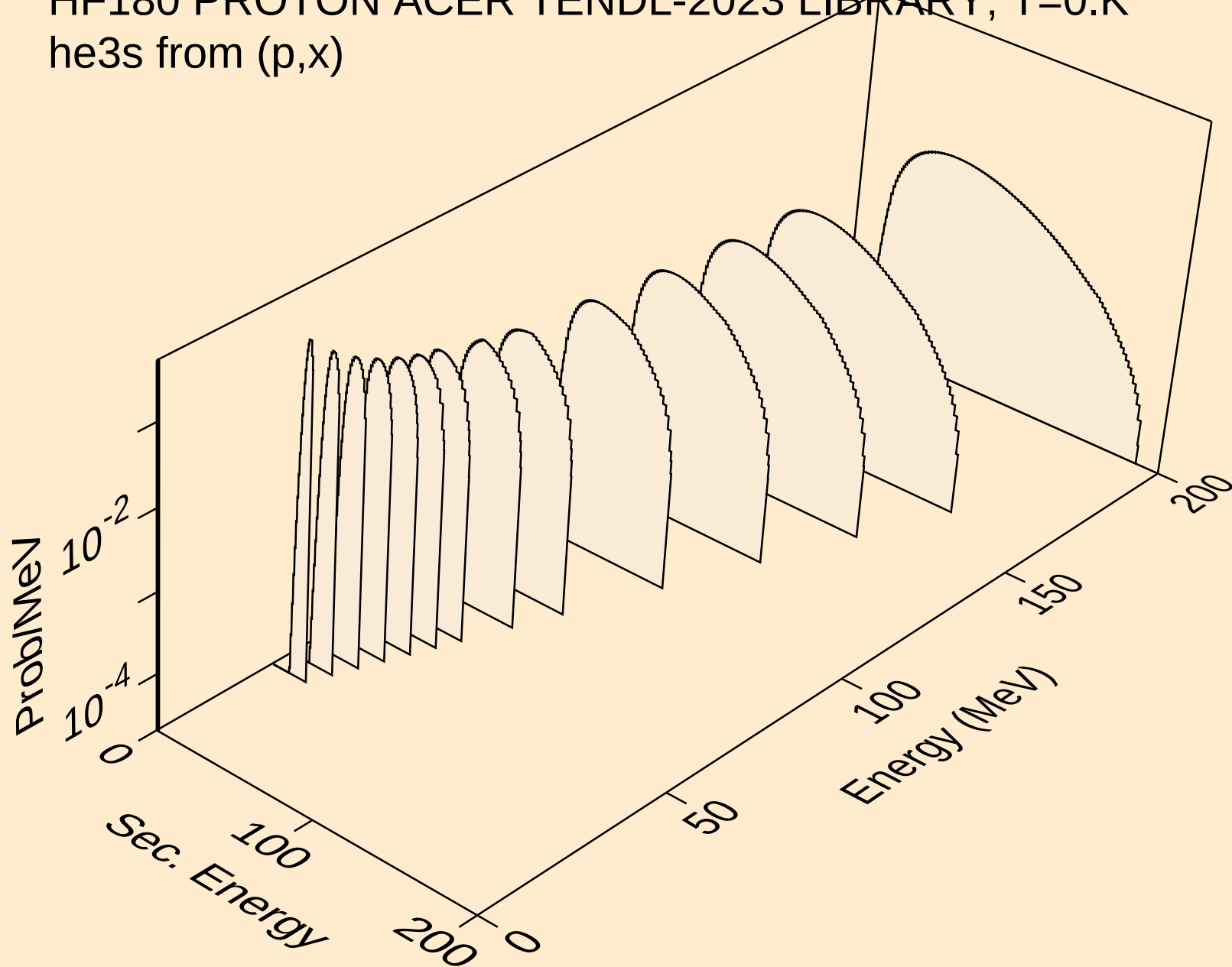
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tritons from $(p,n^*)t$



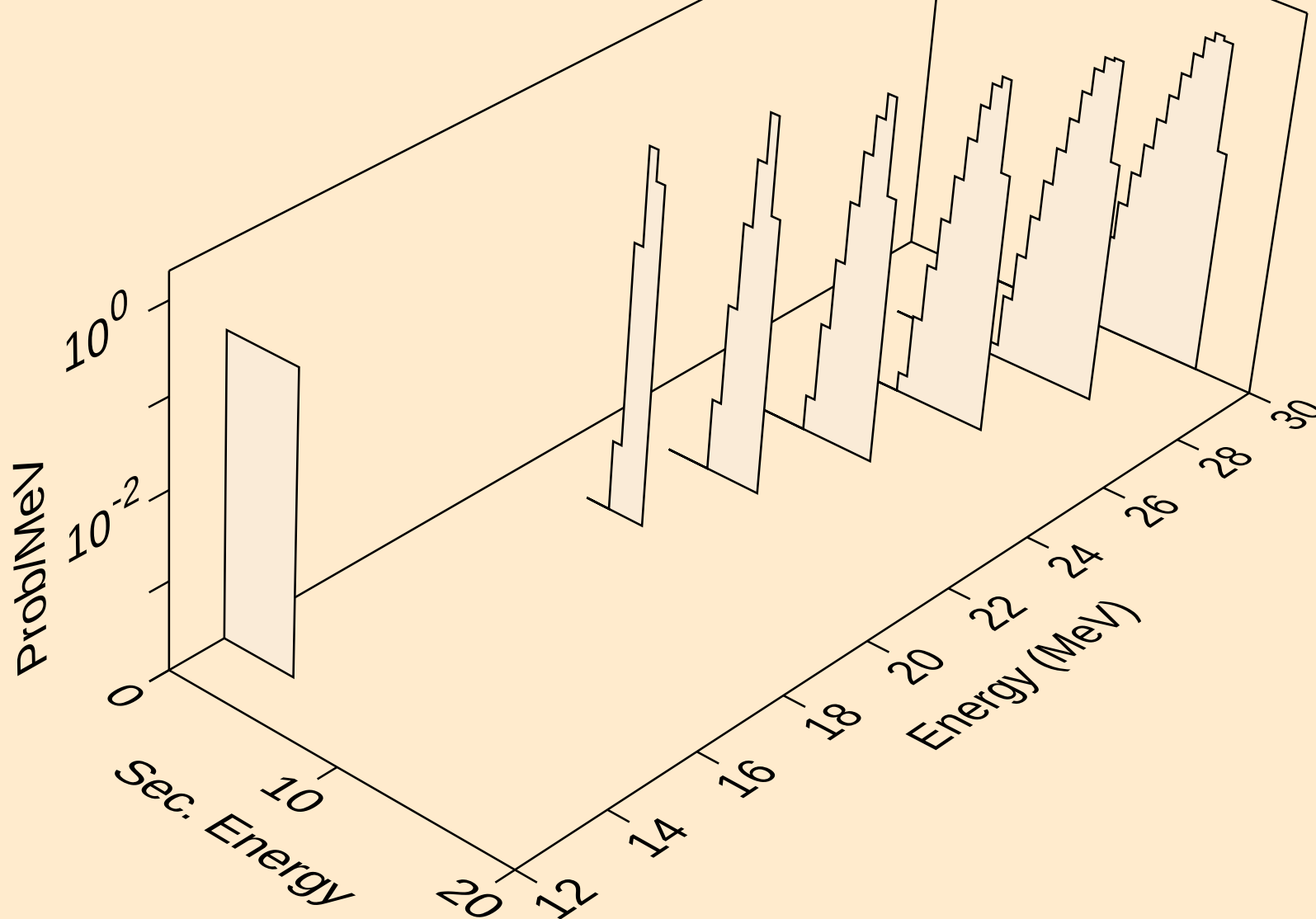
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tritons from (p,t)



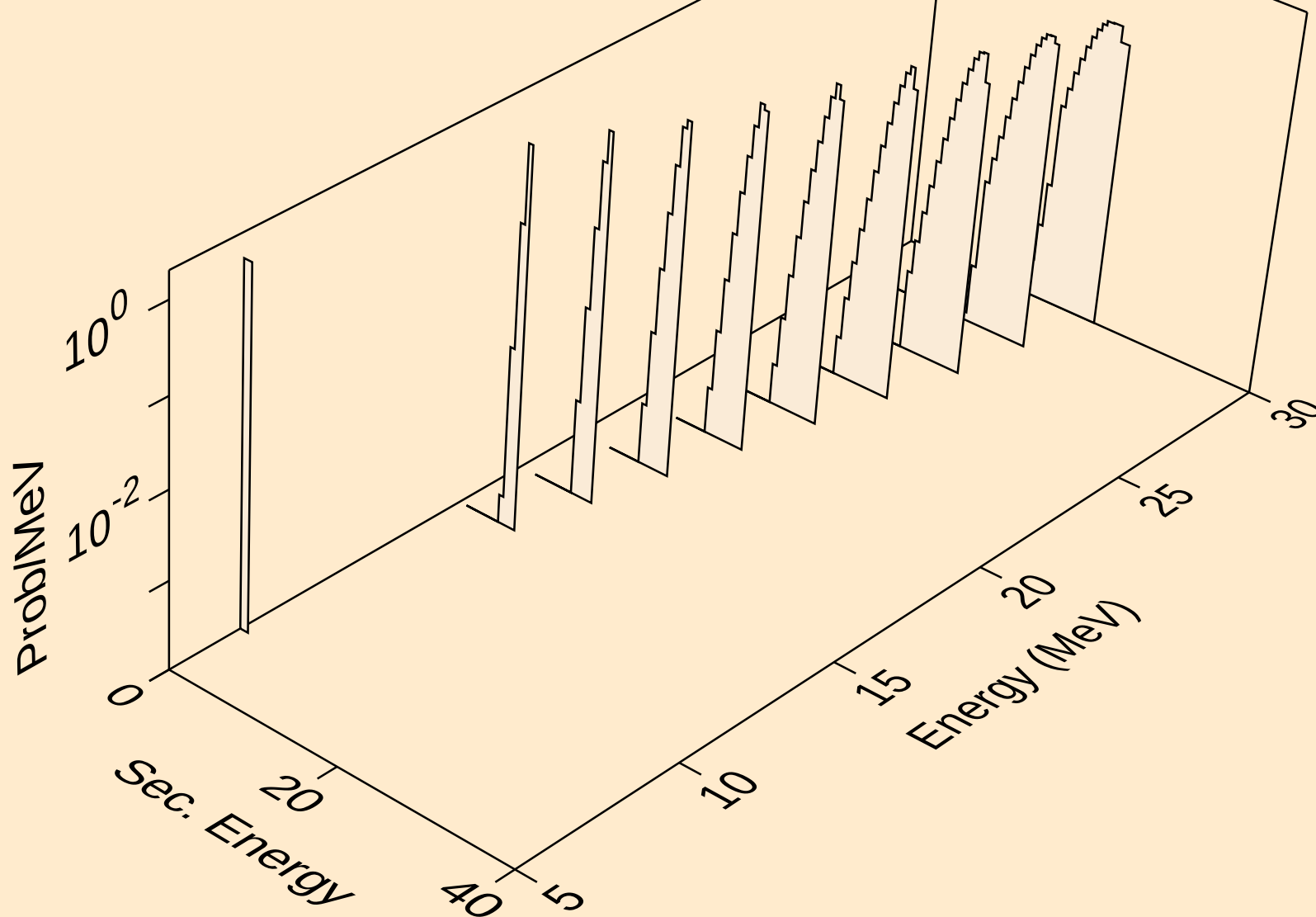
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he3s from (p,x)



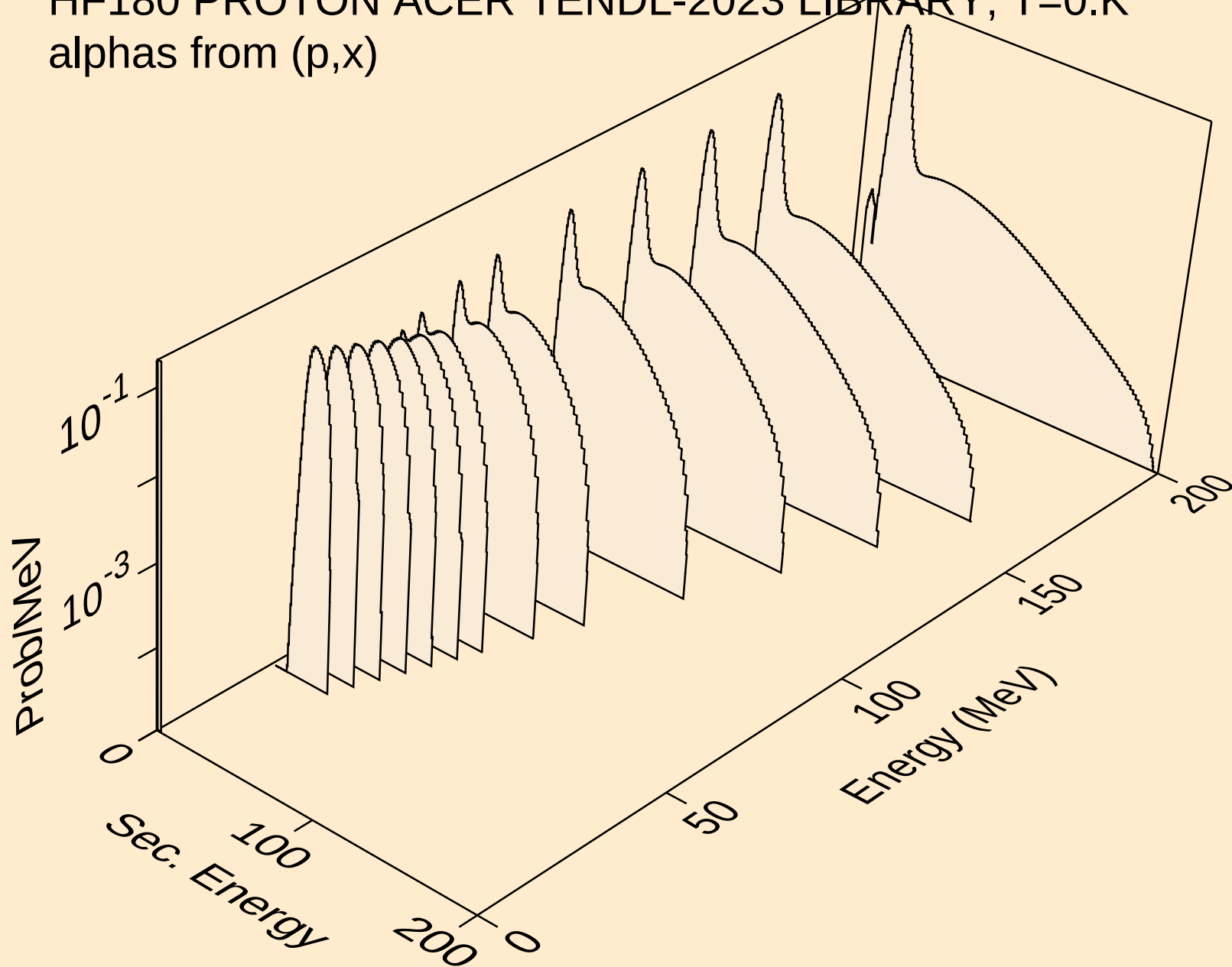
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,n*)he3



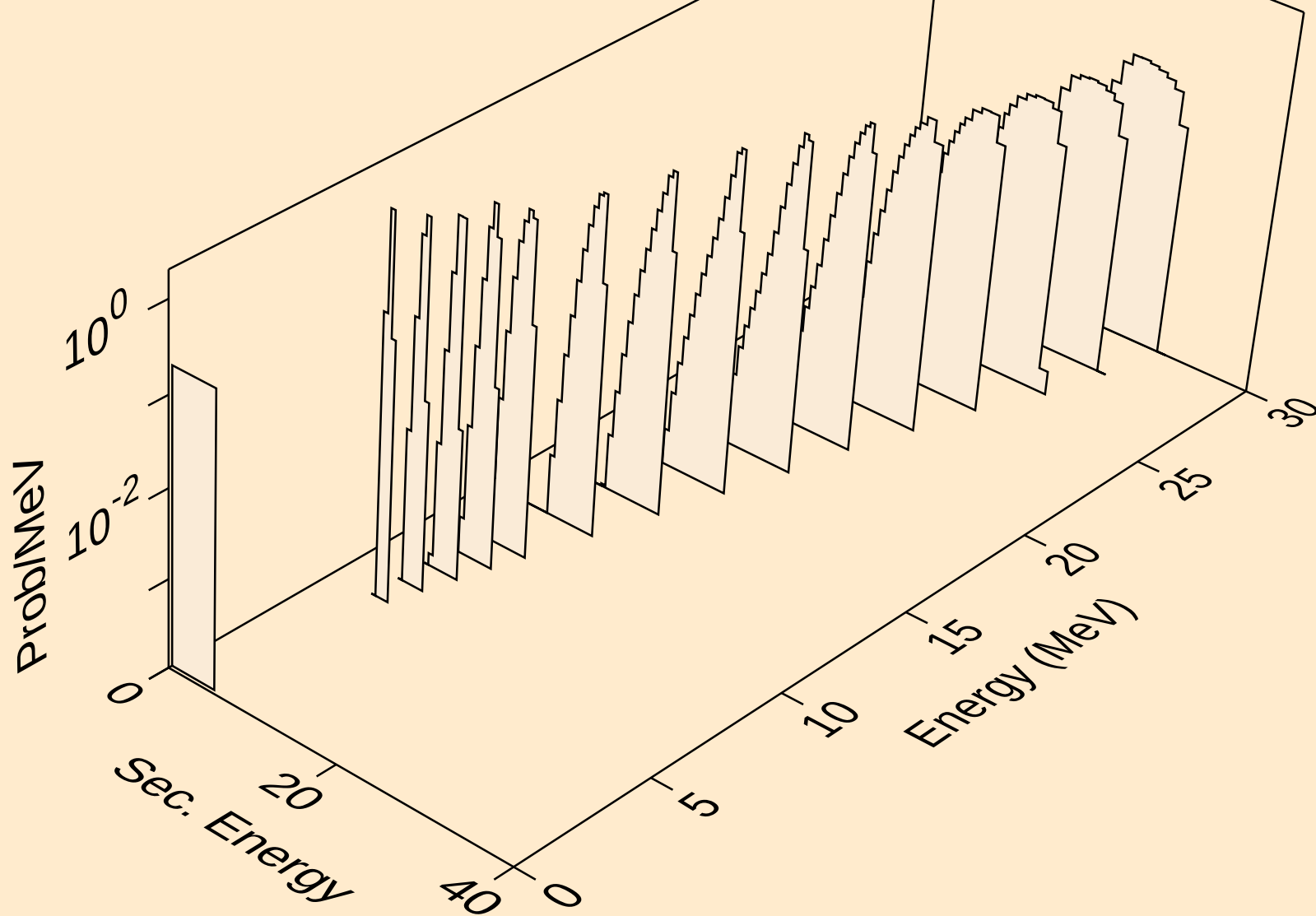
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he3s from (p,he3)



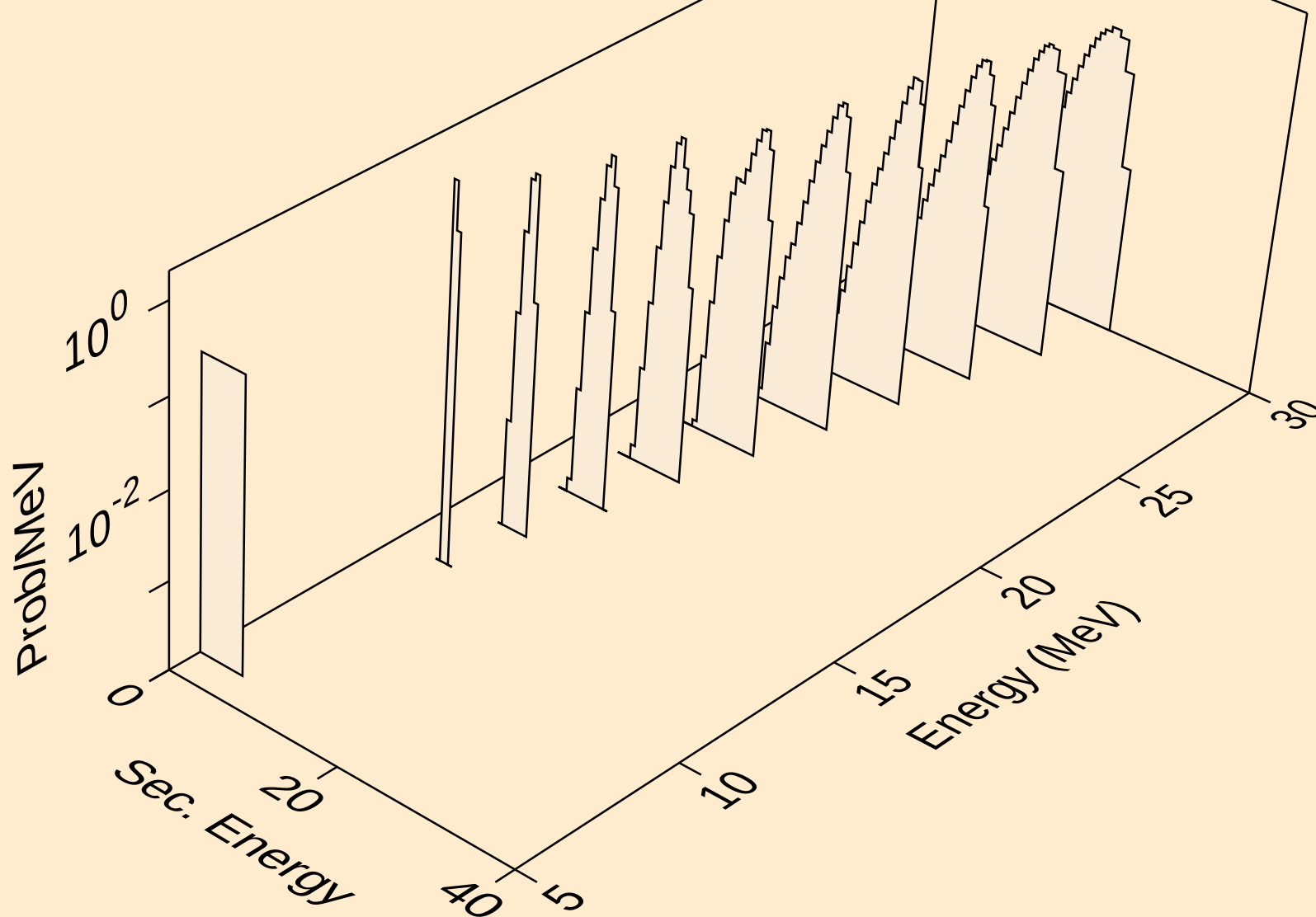
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)



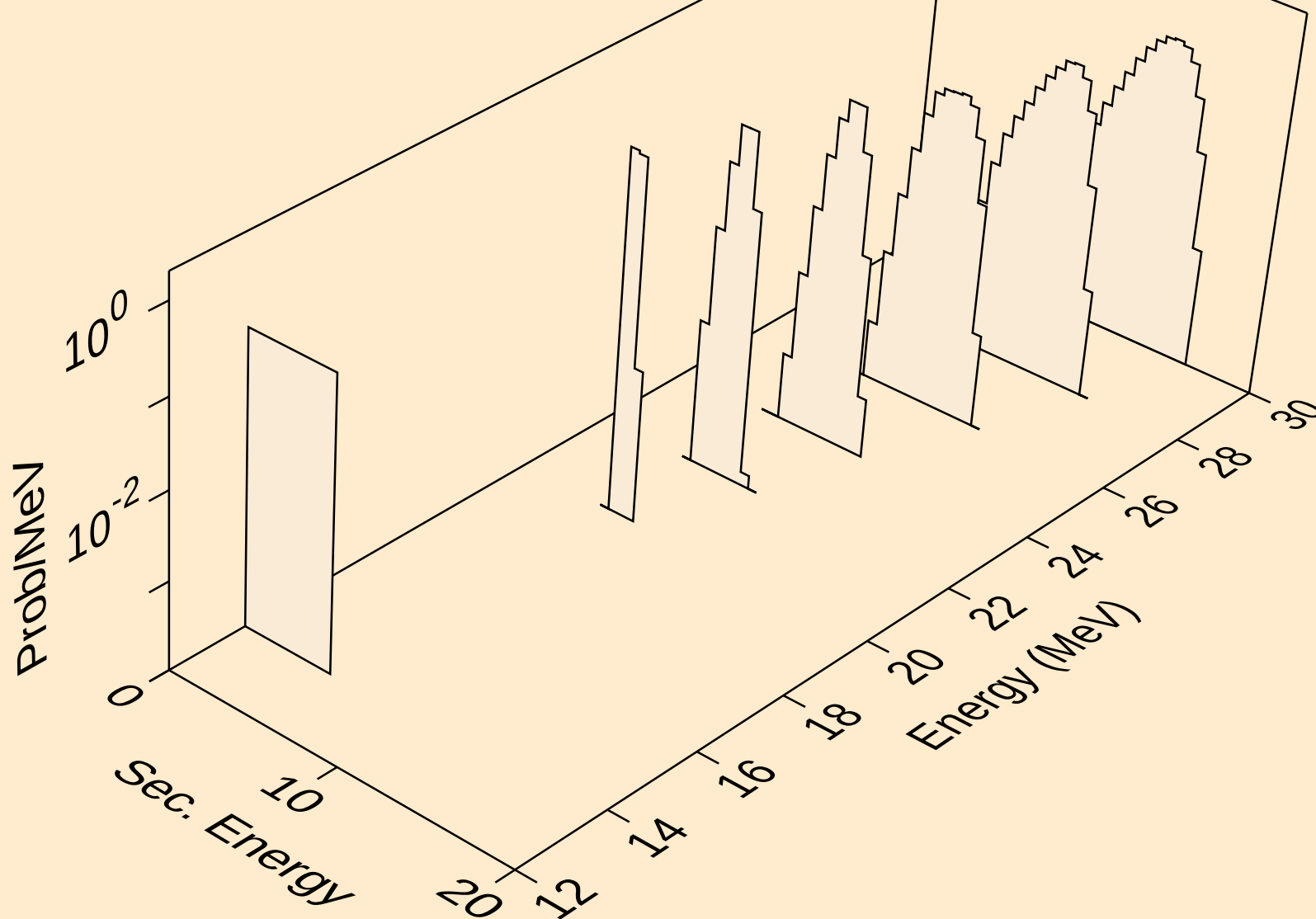
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



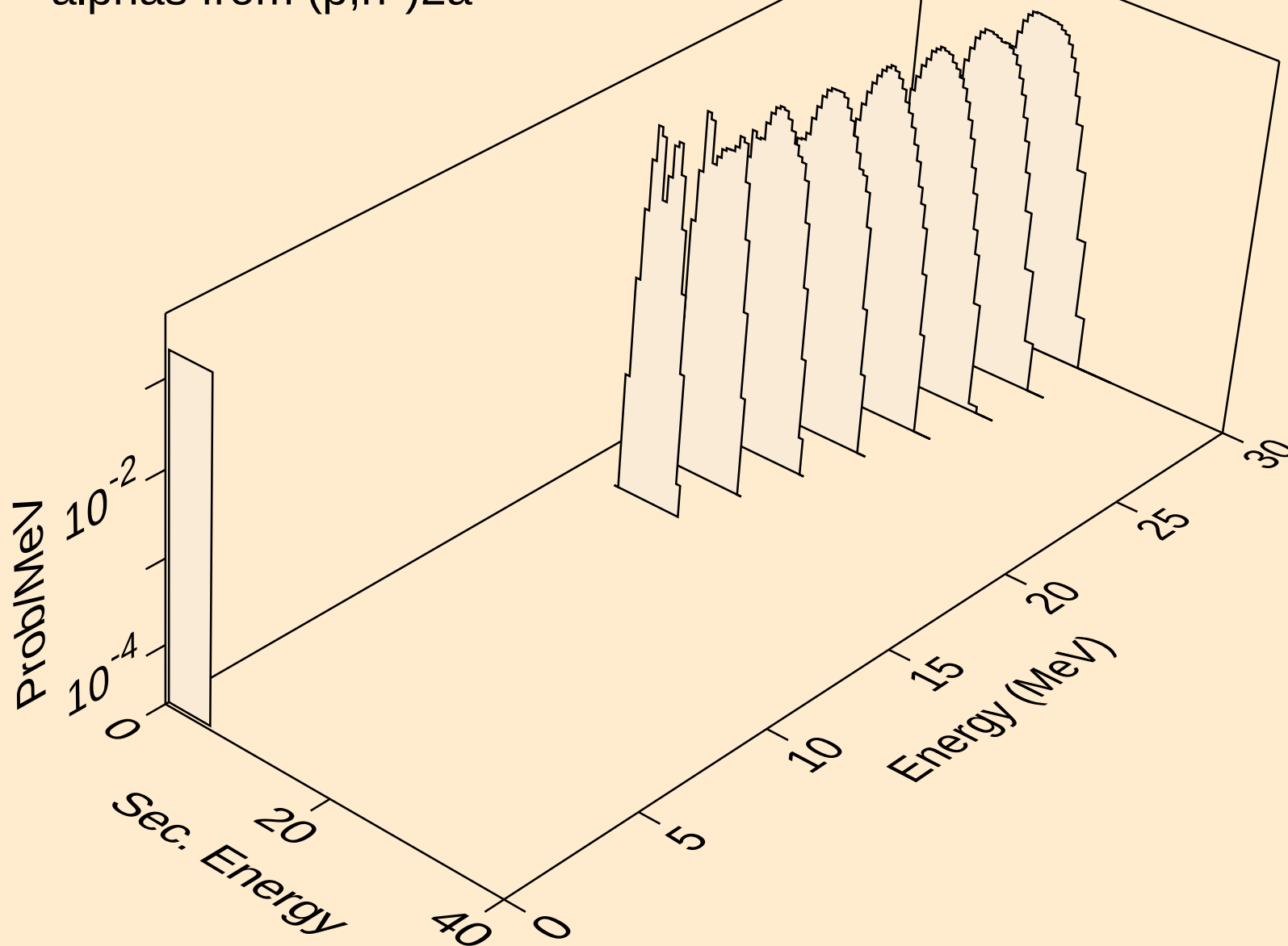
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2n)a



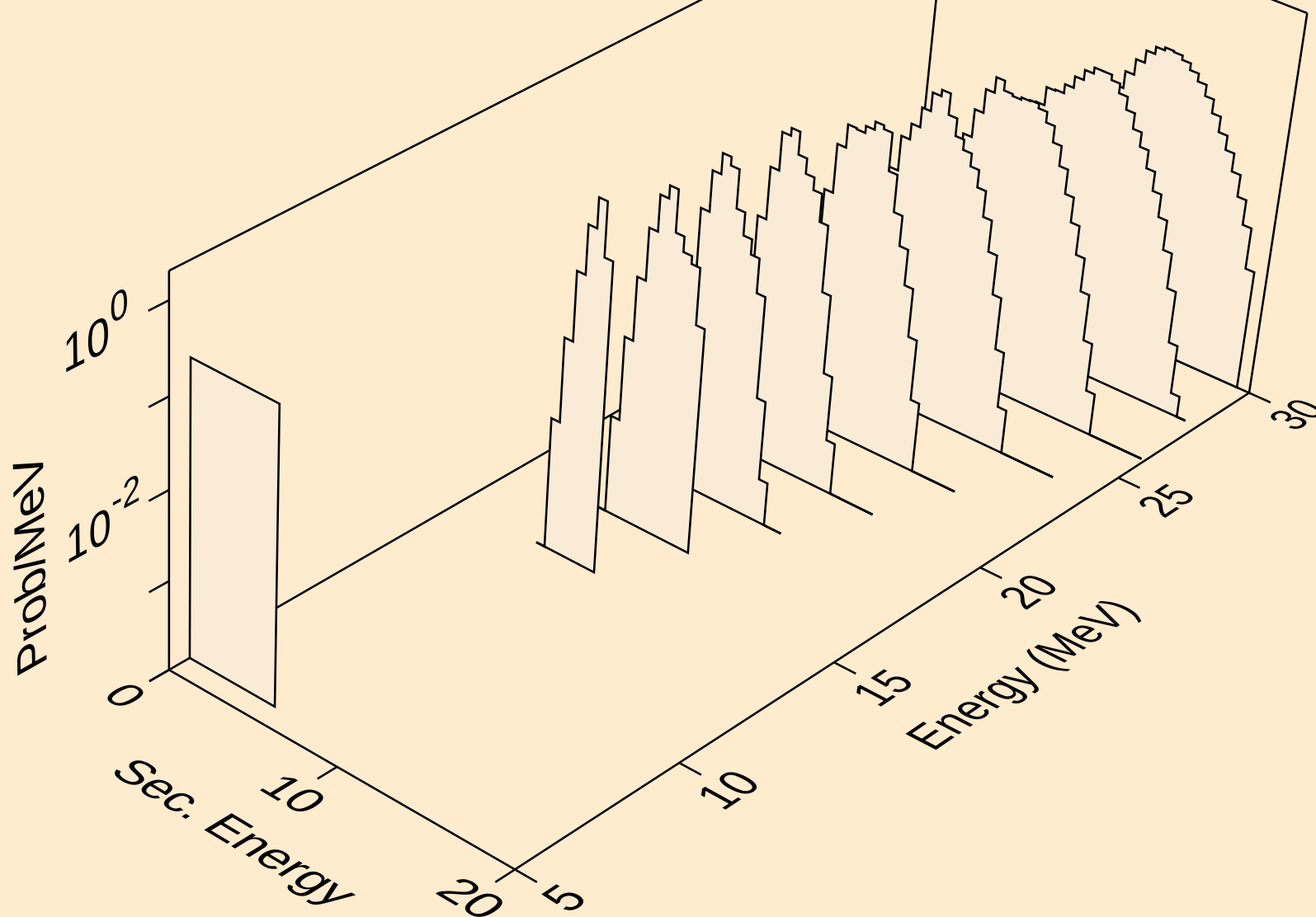
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,3n)a



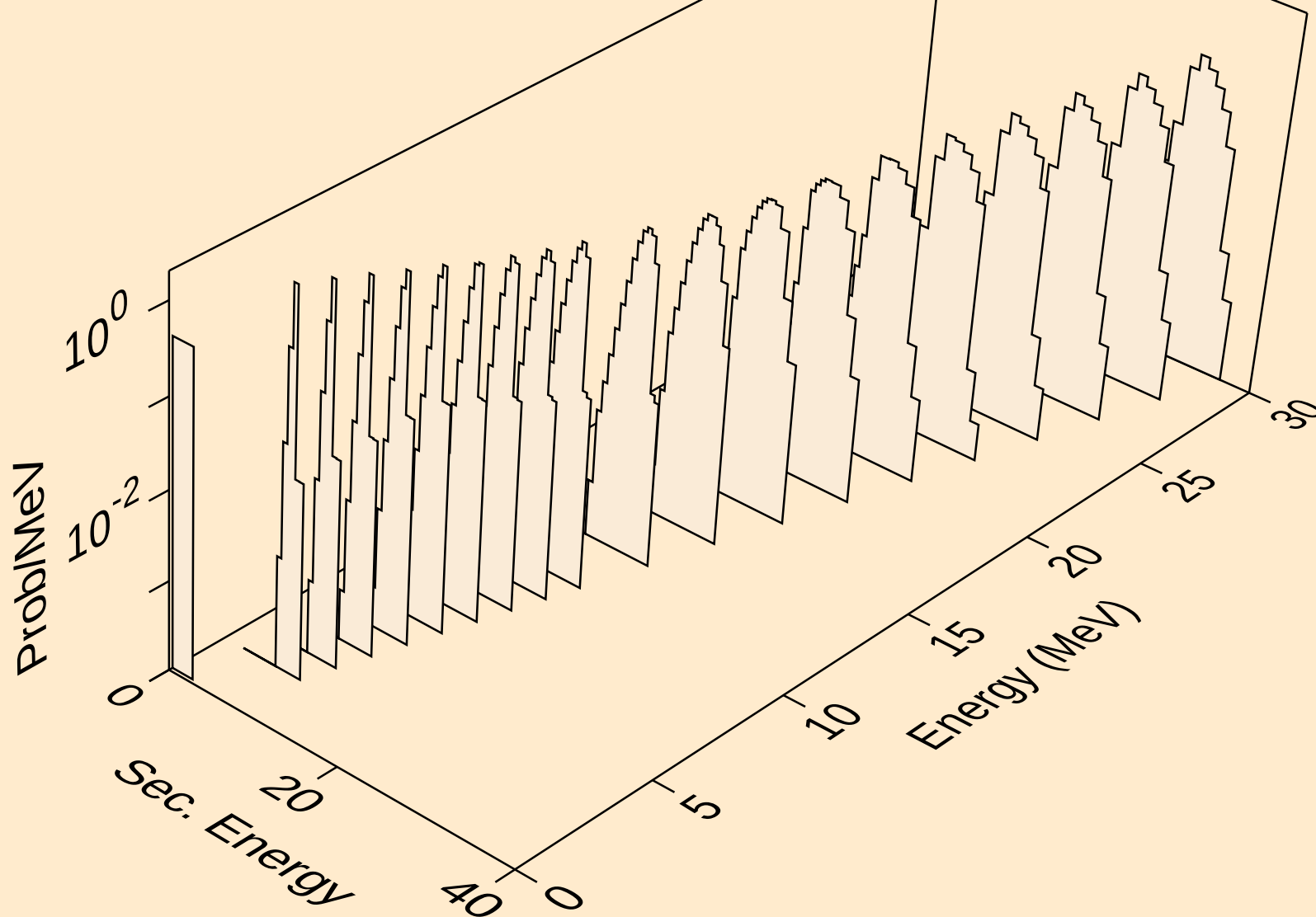
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)2a



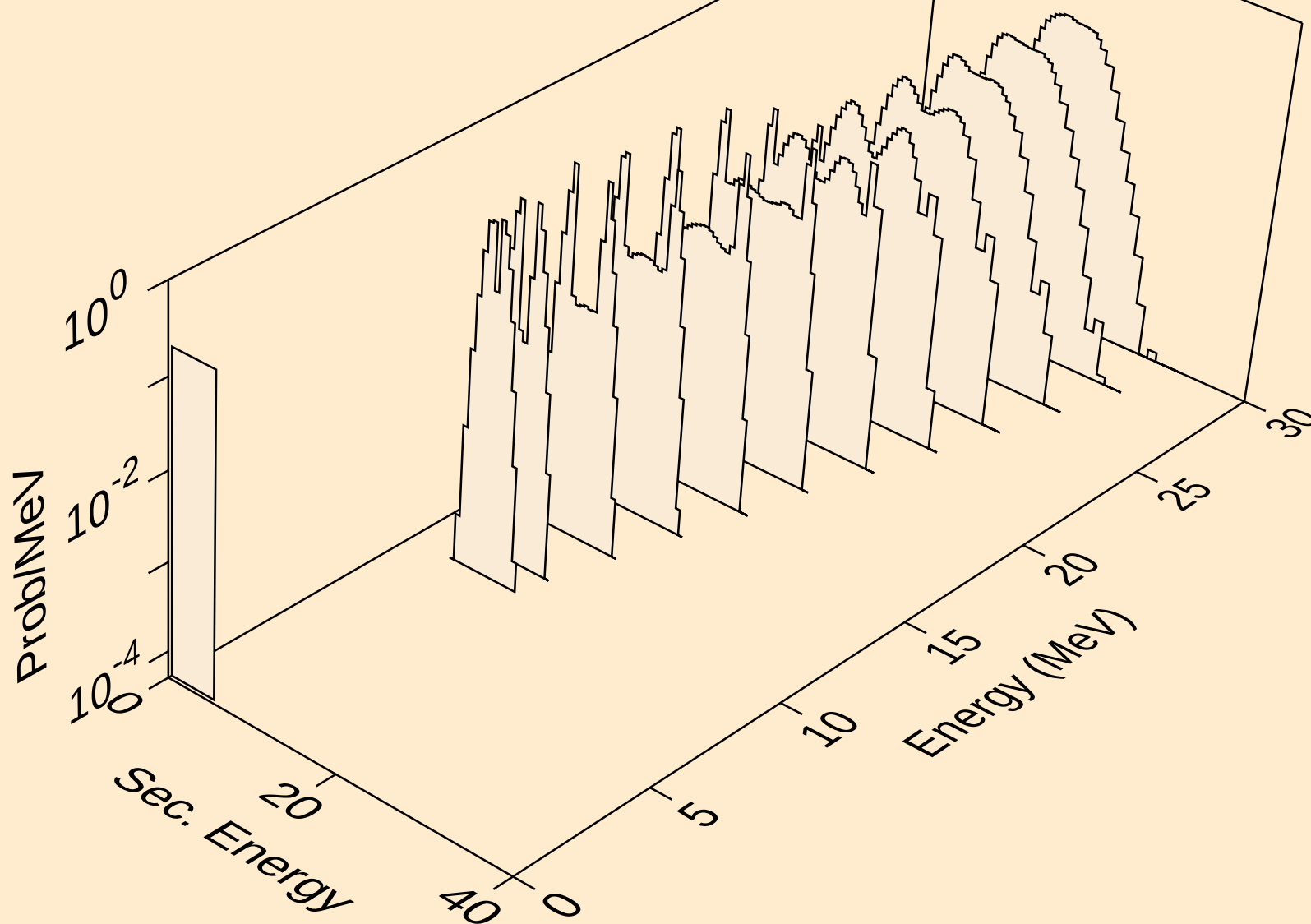
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



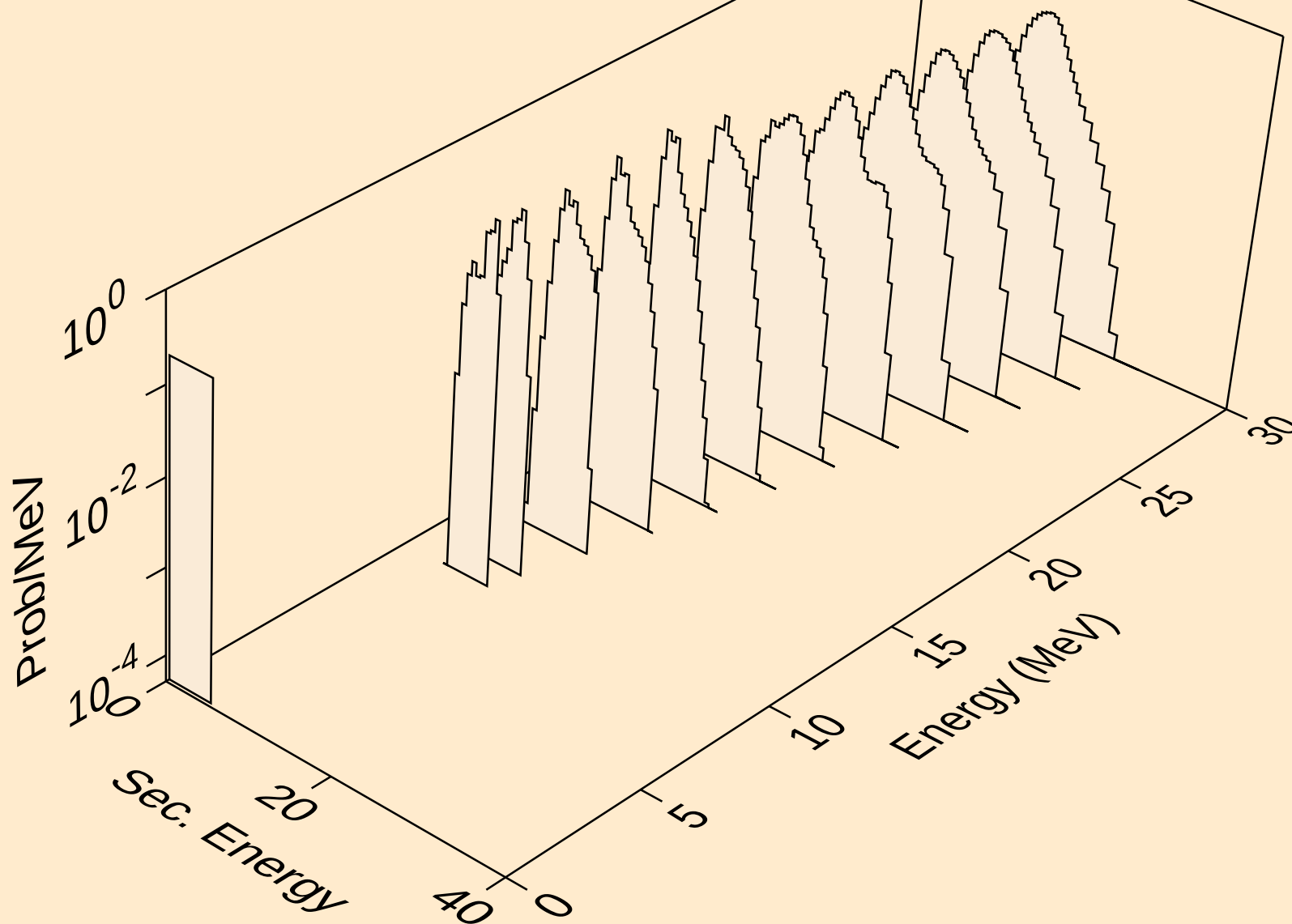
HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



HF180 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

