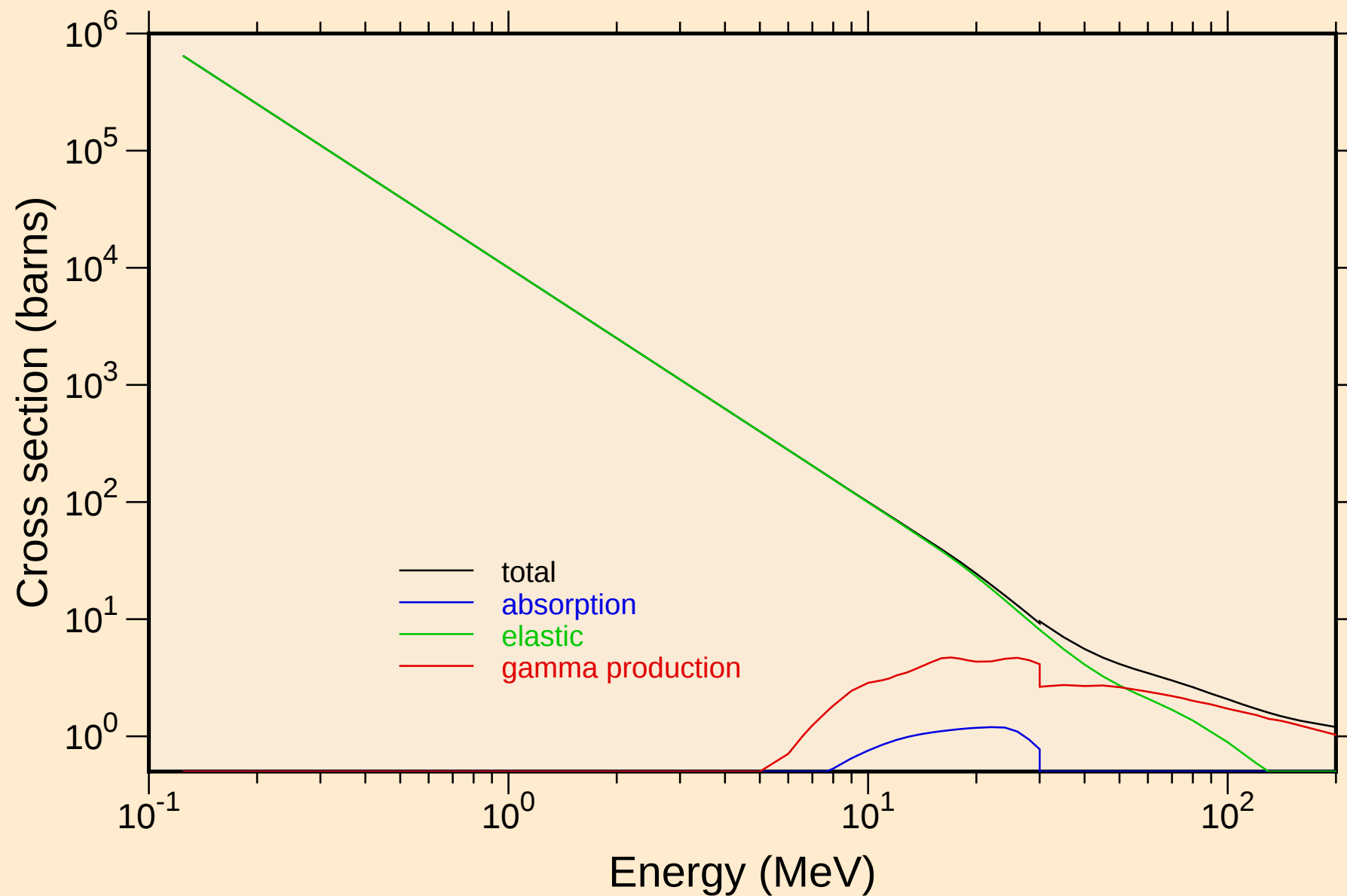


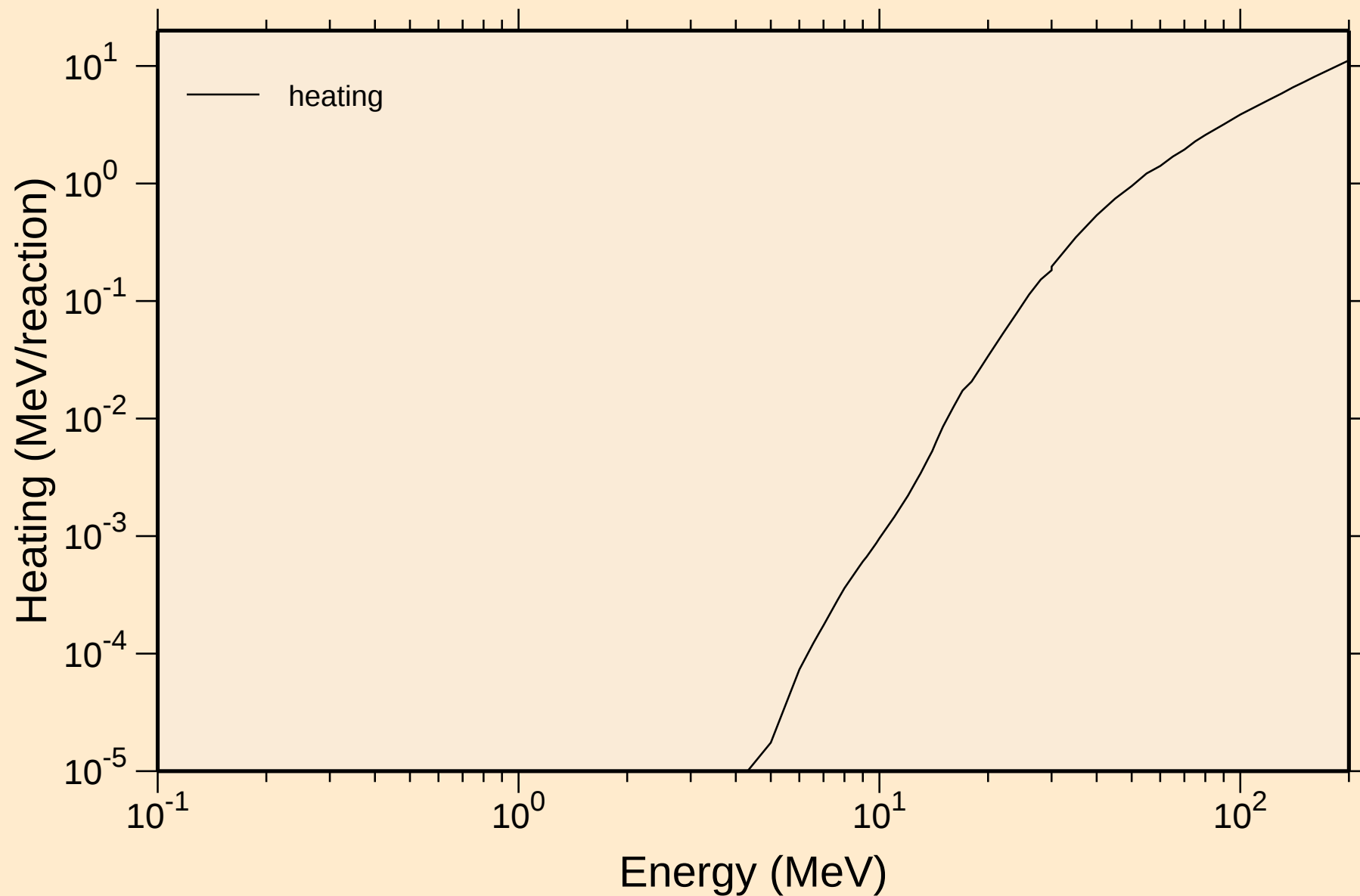
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



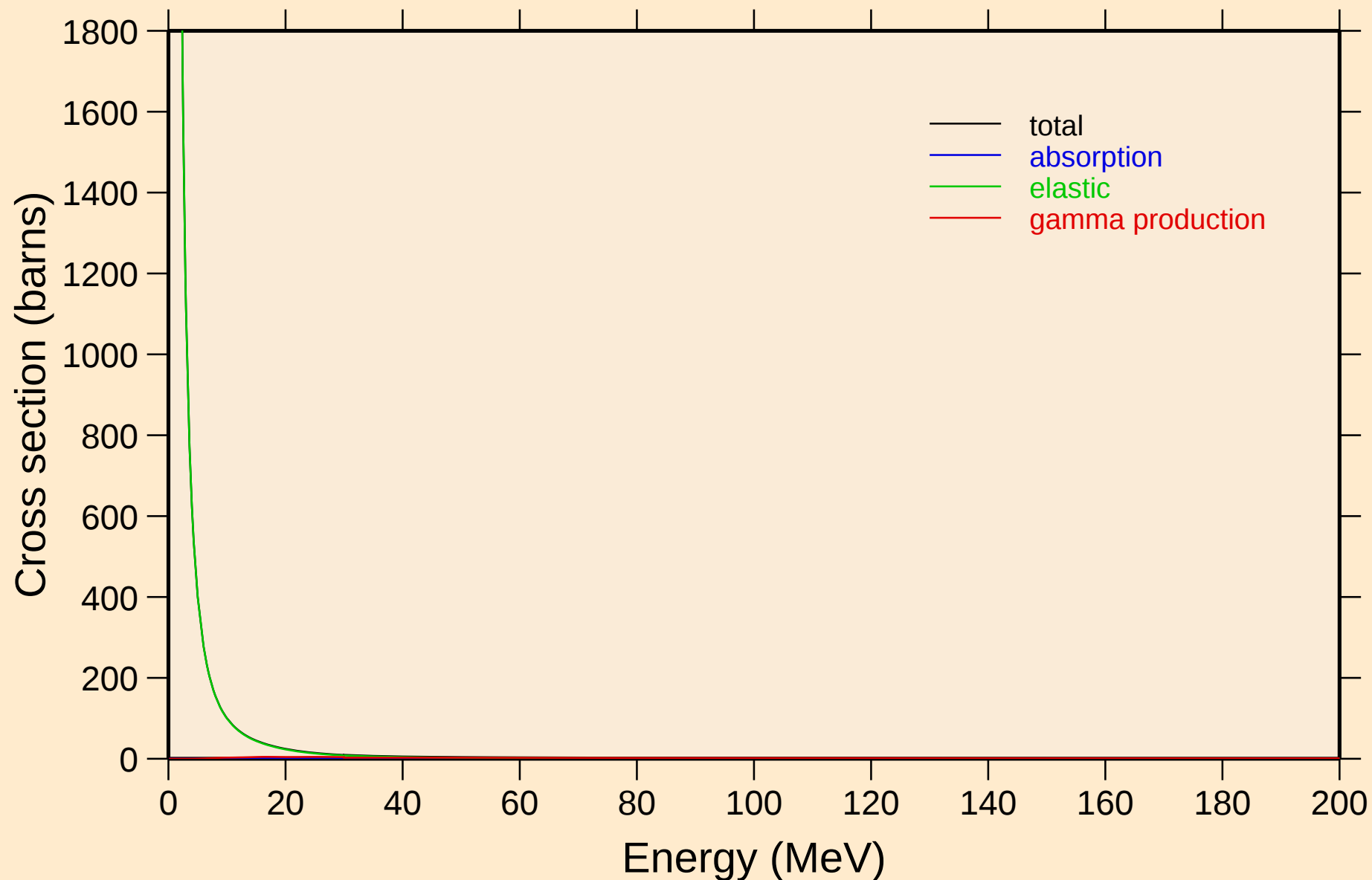
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



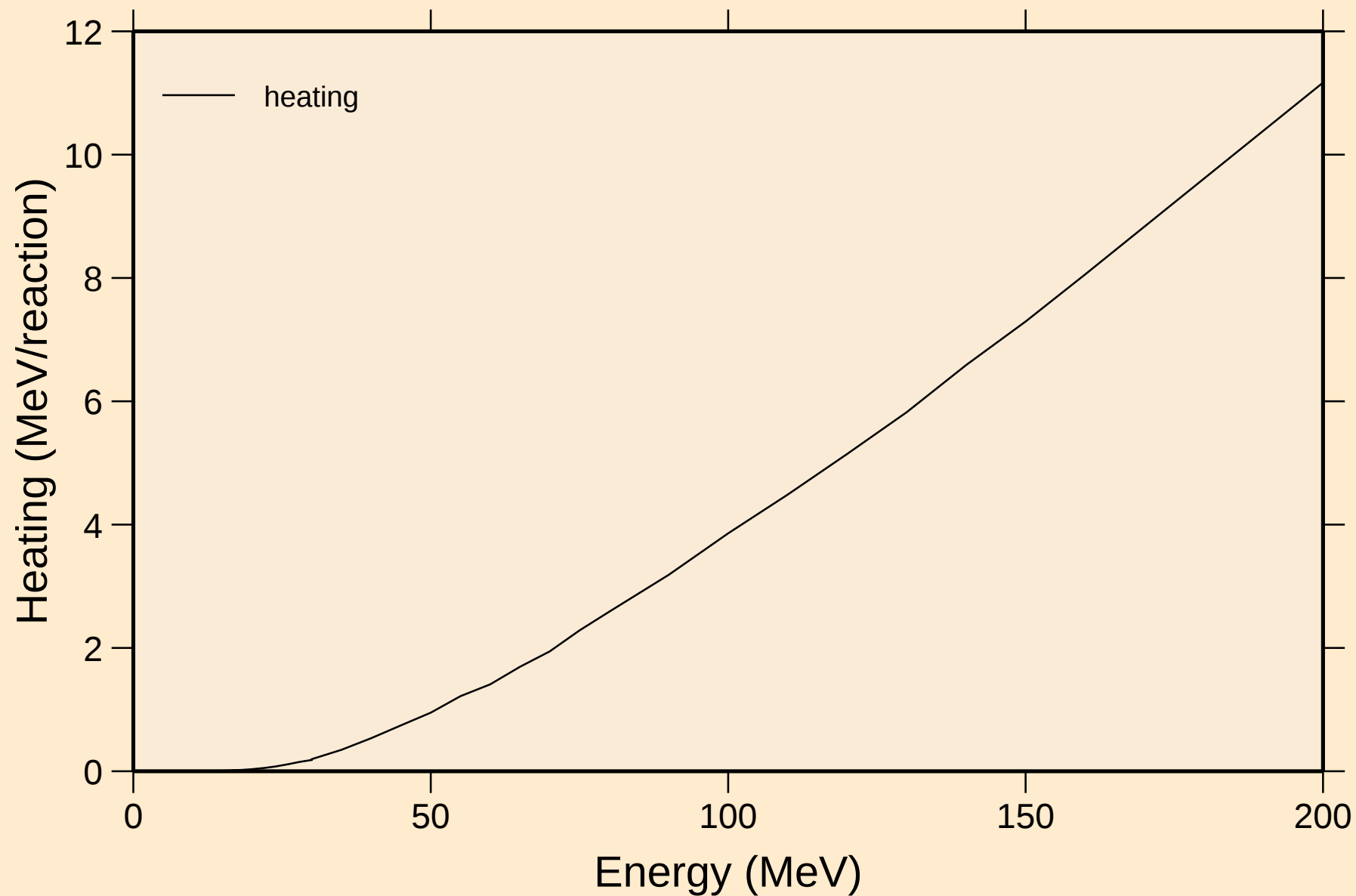
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



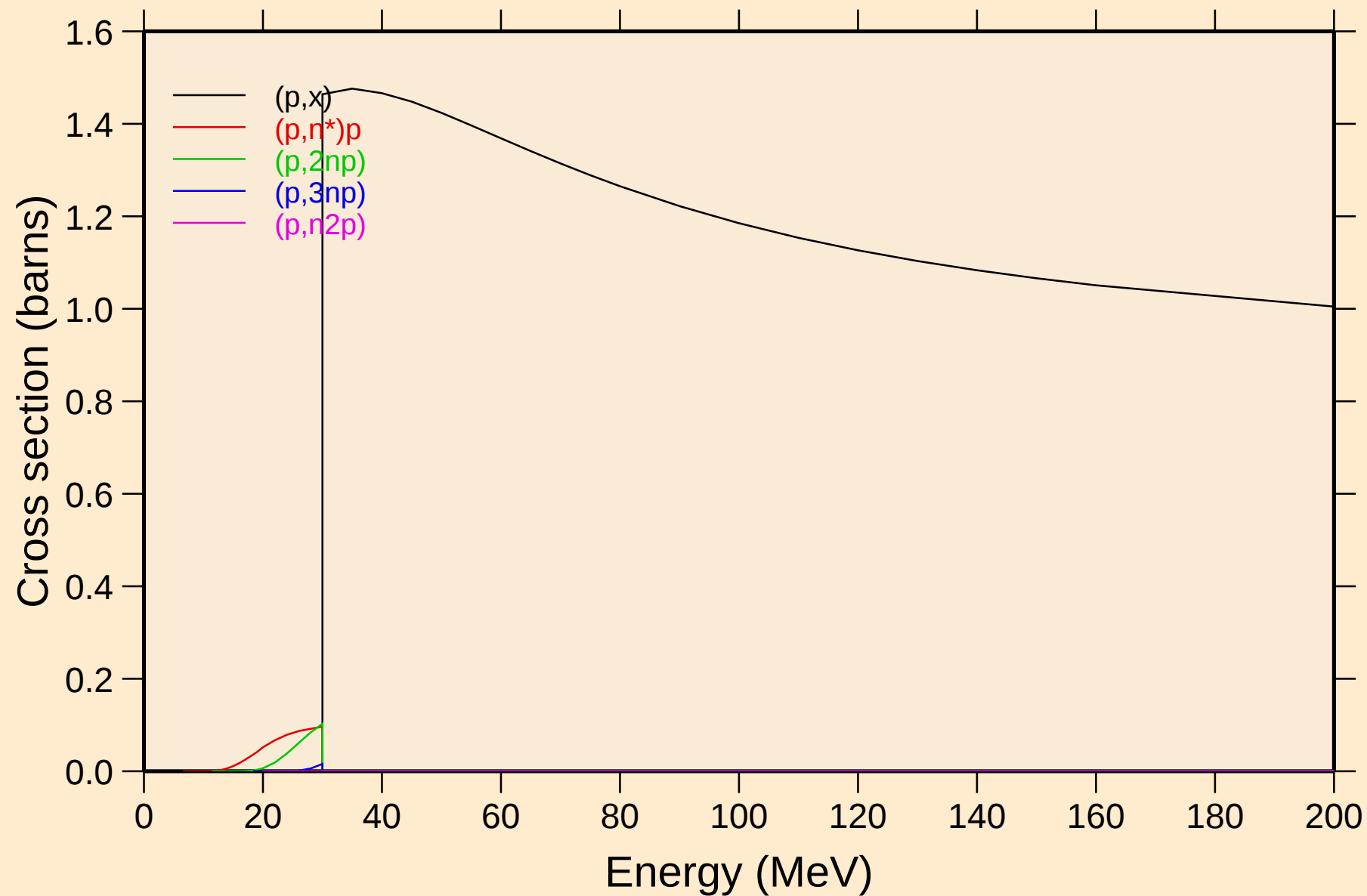
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



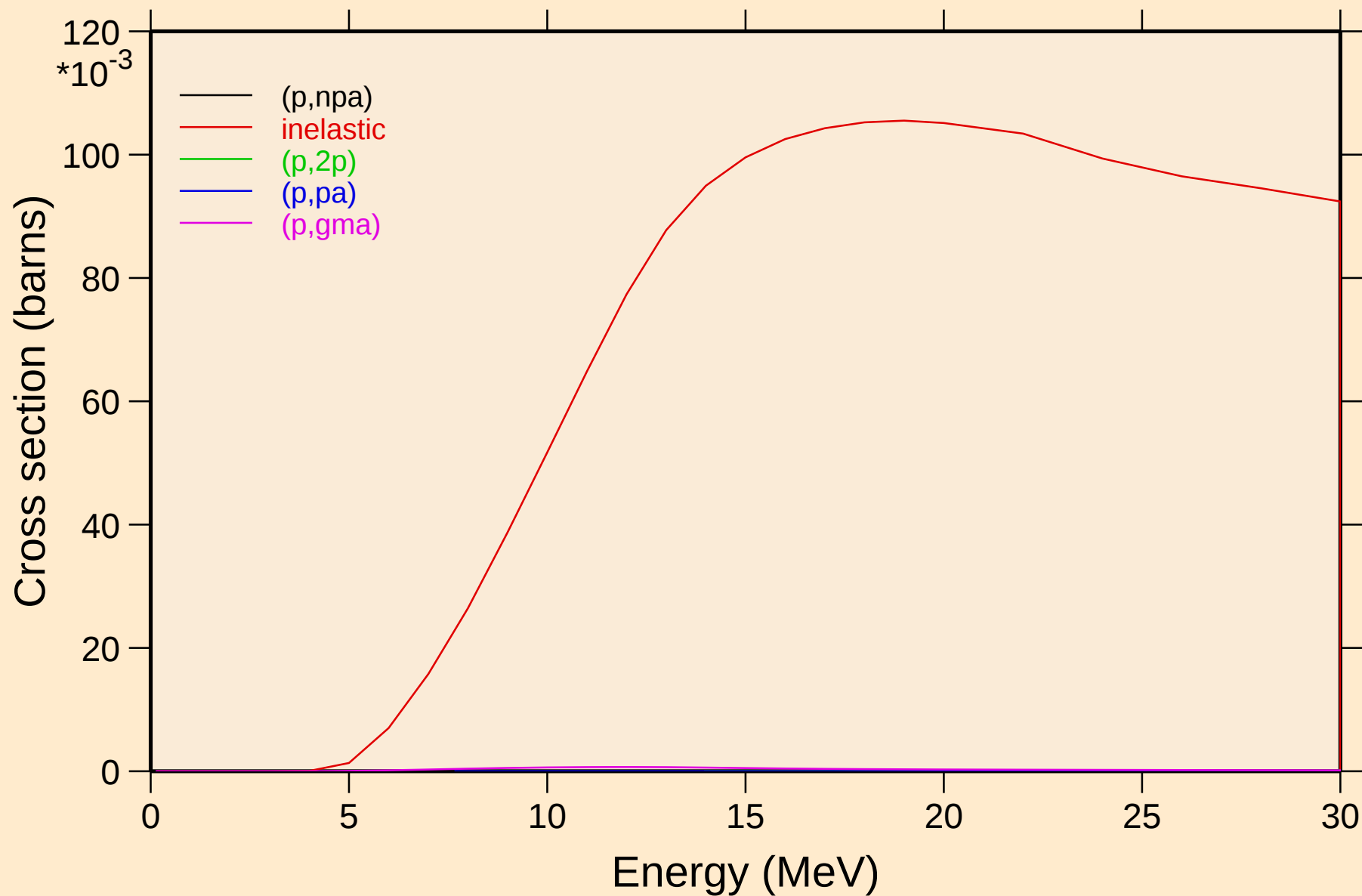
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



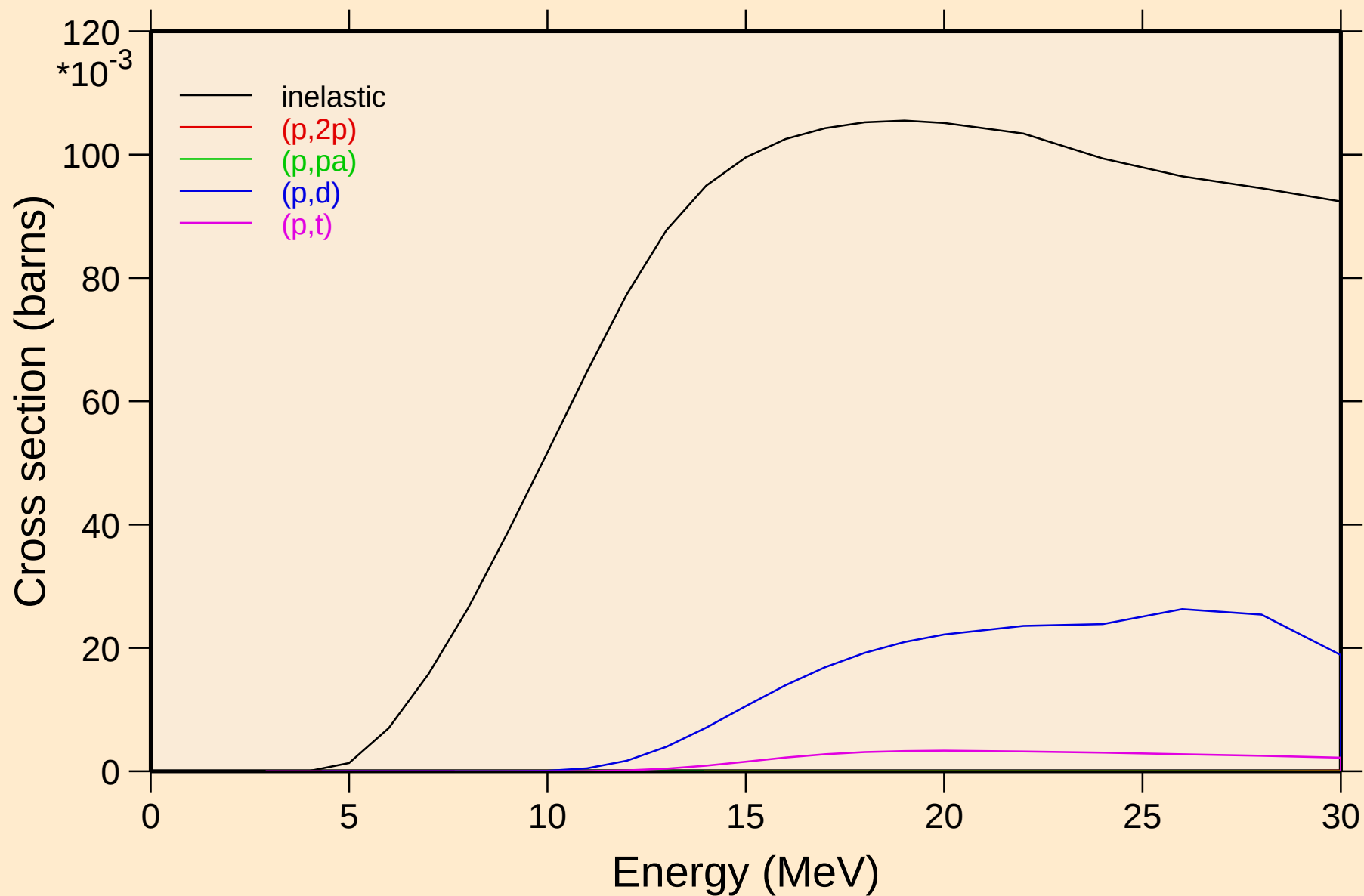
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



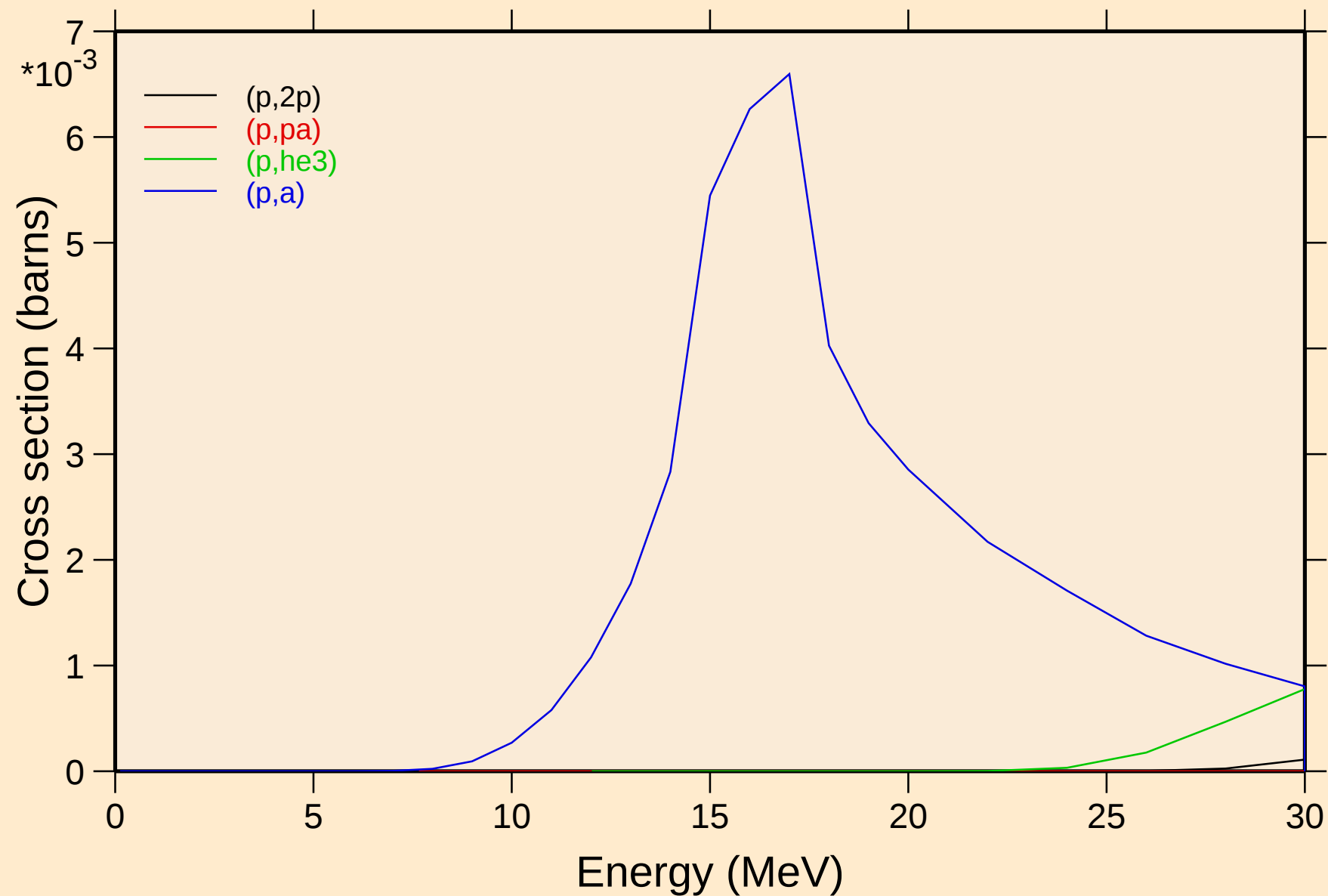
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



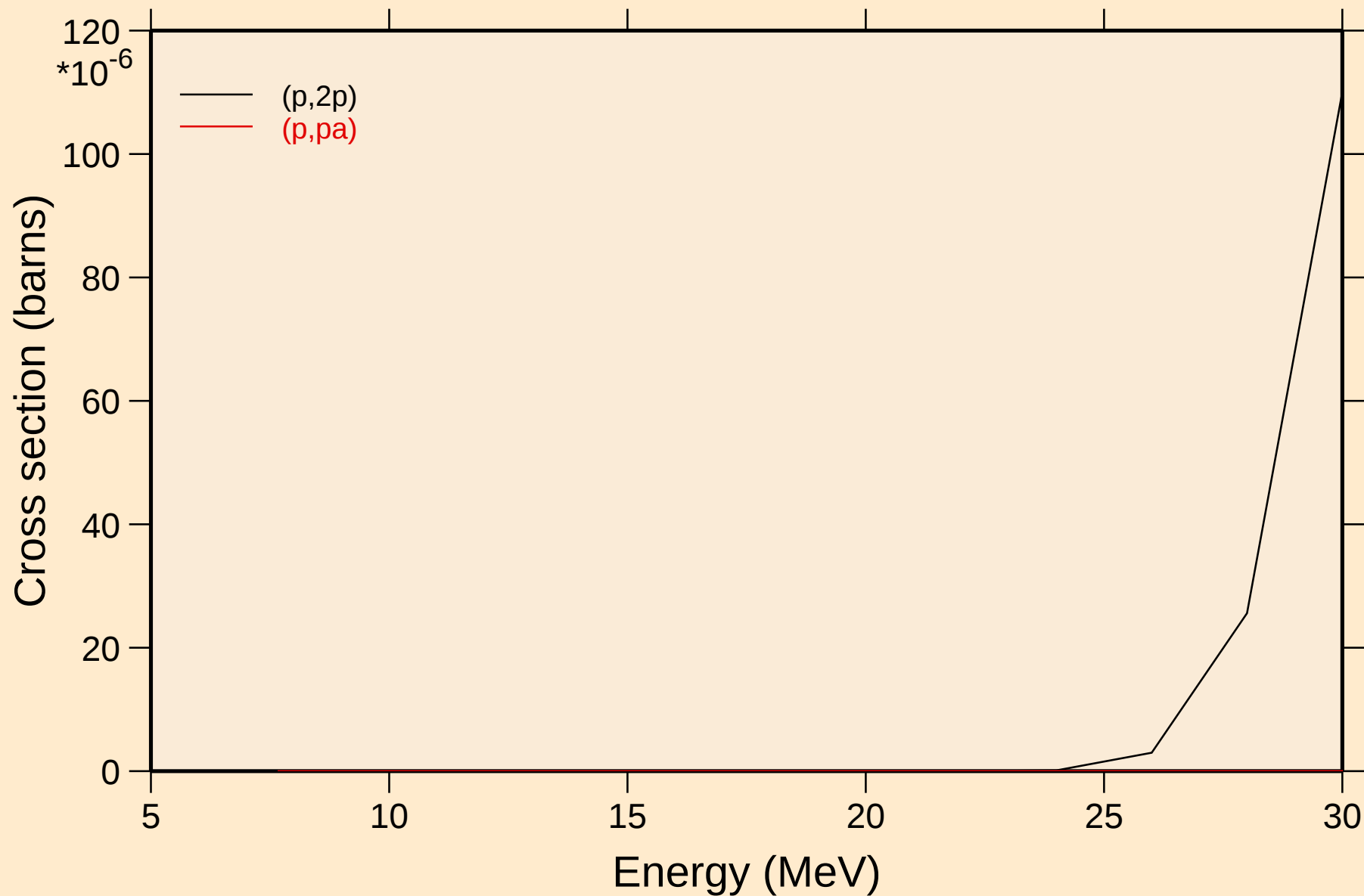
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

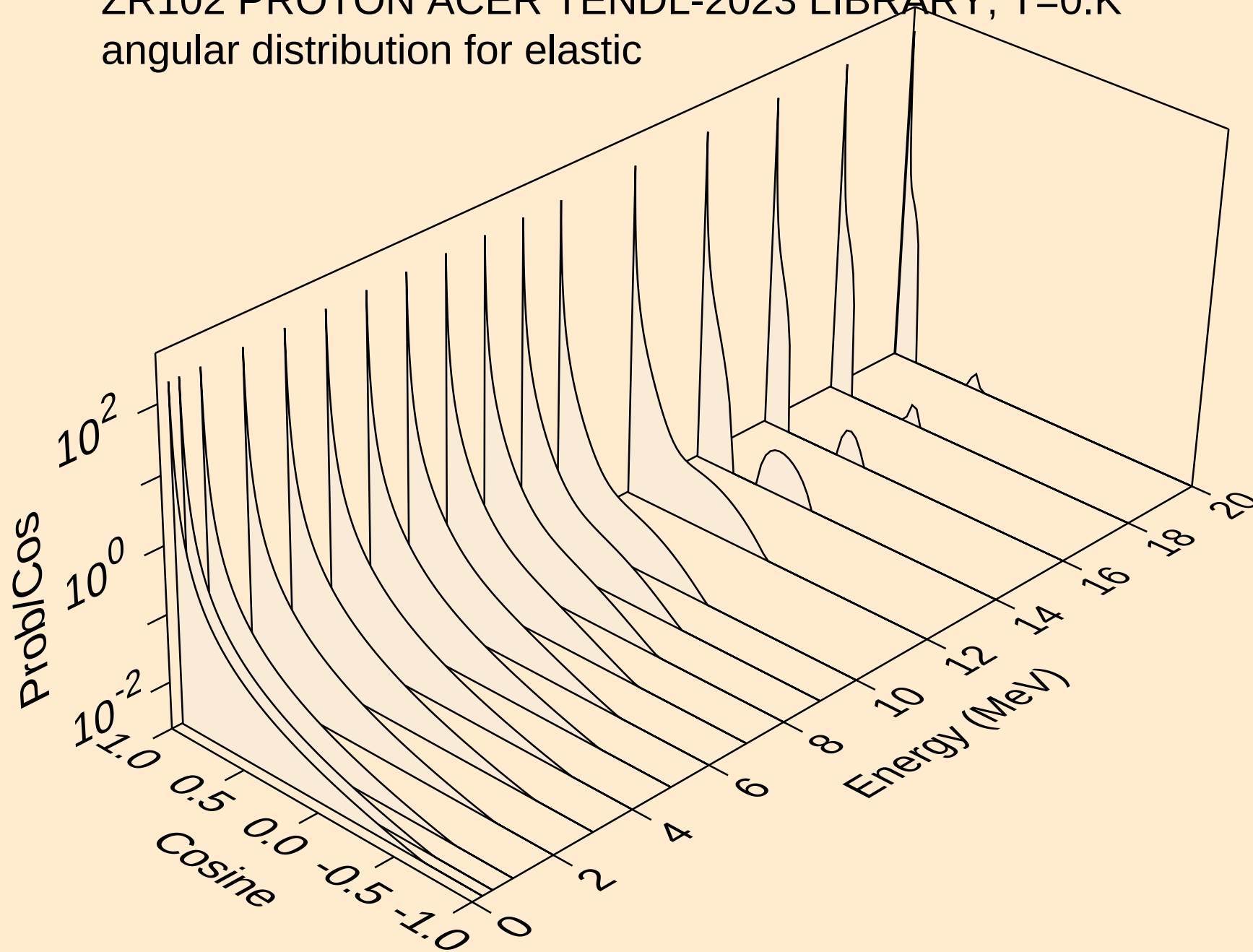


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

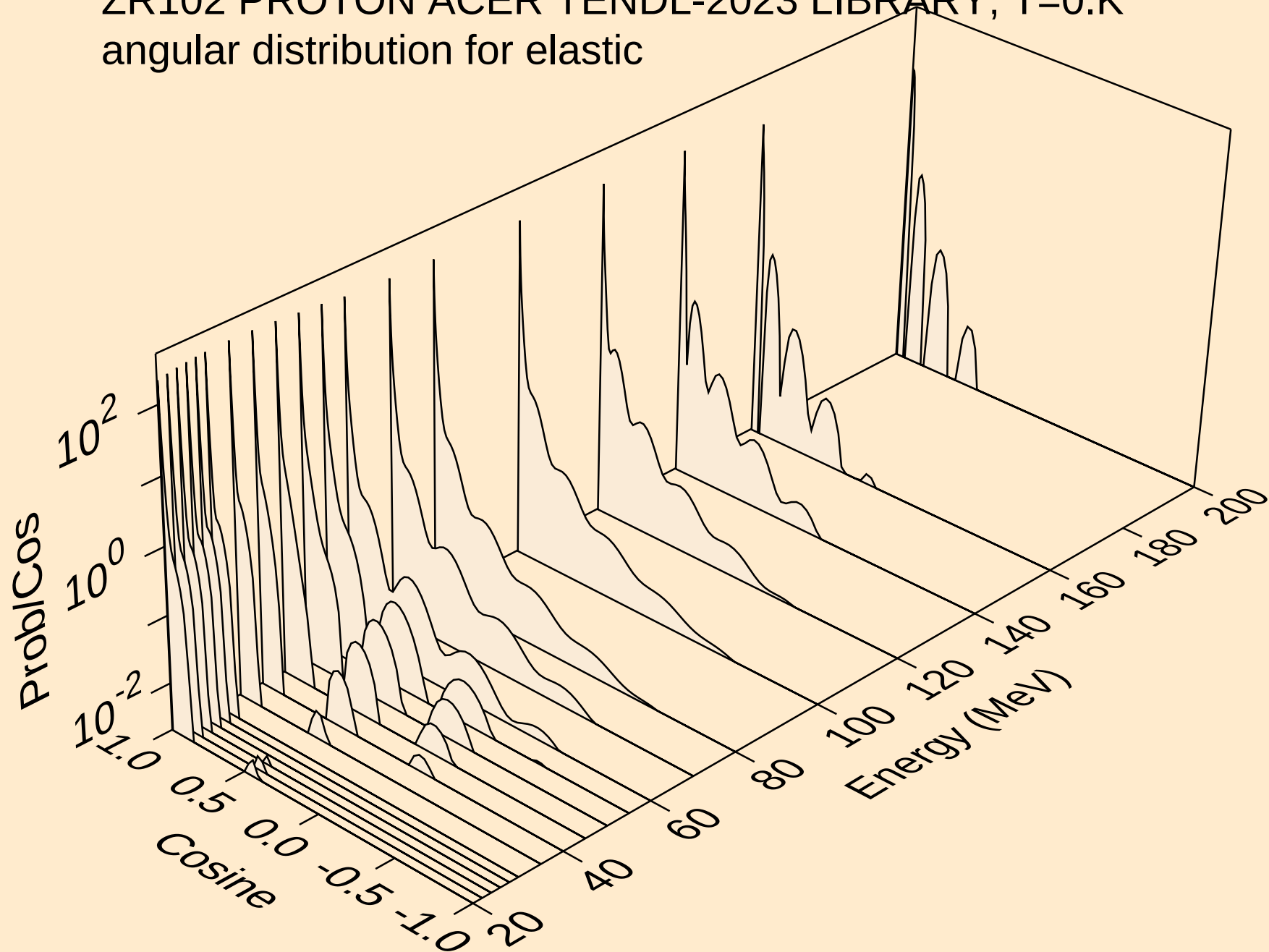
Threshold reactions



ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

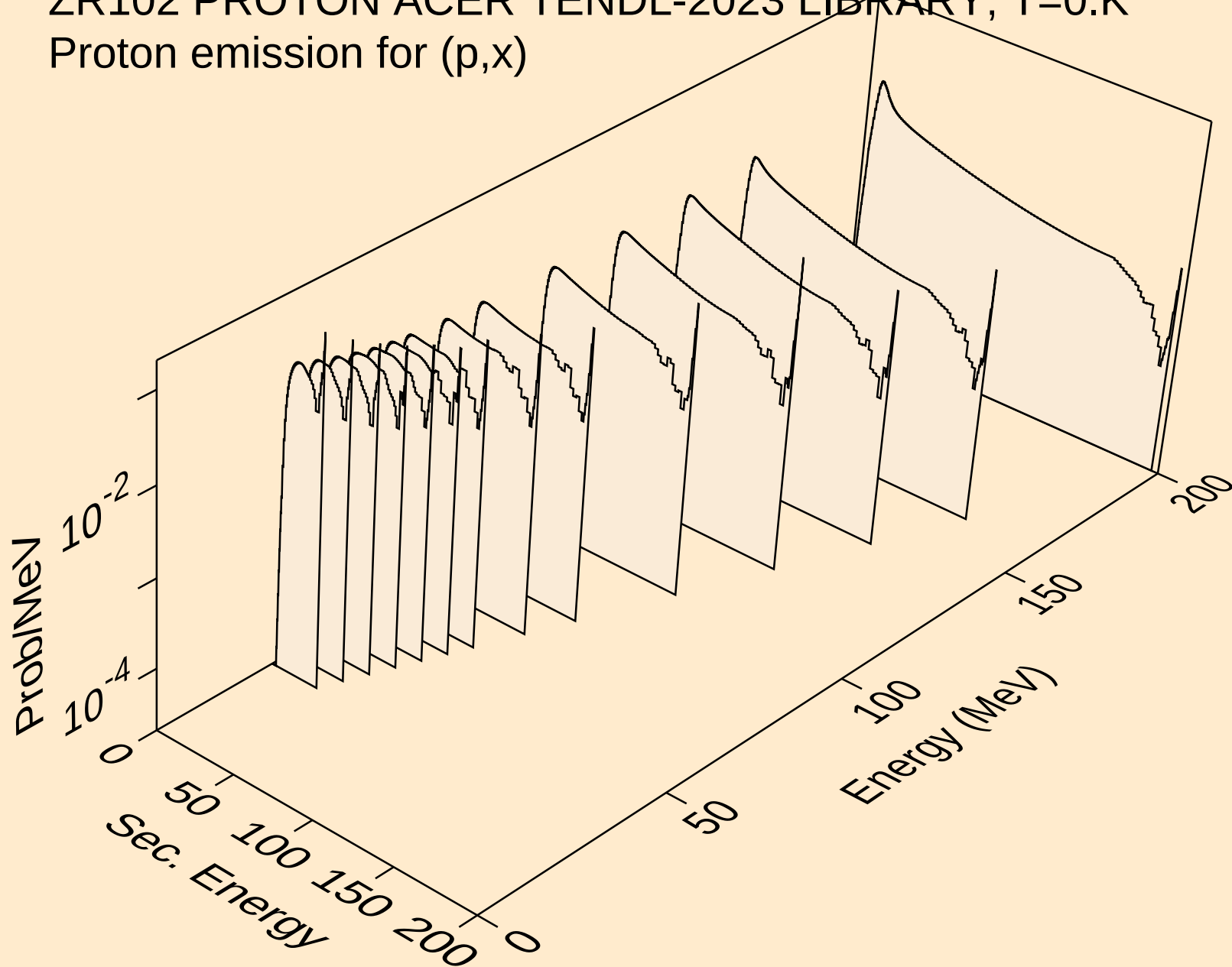


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



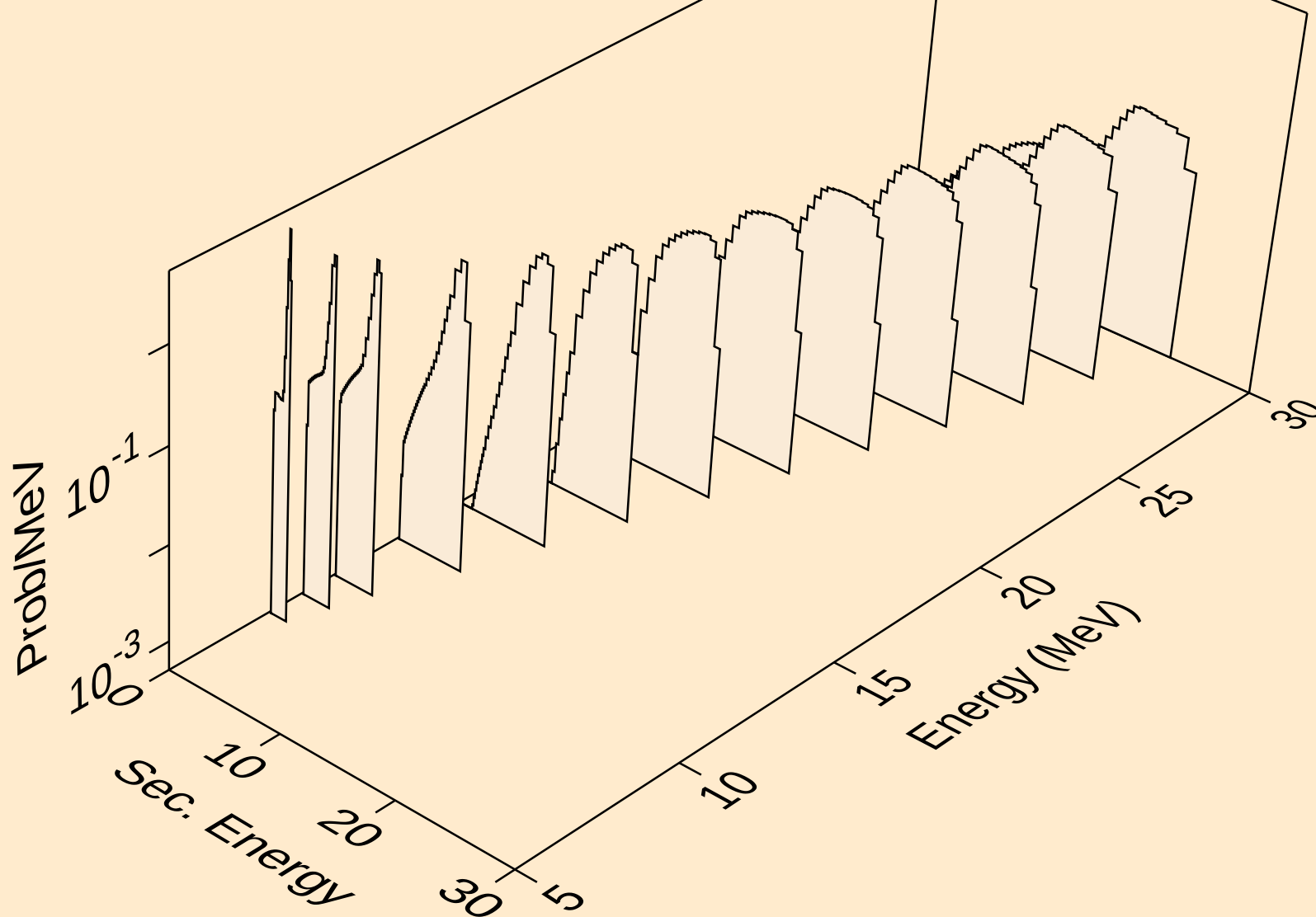
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,x)

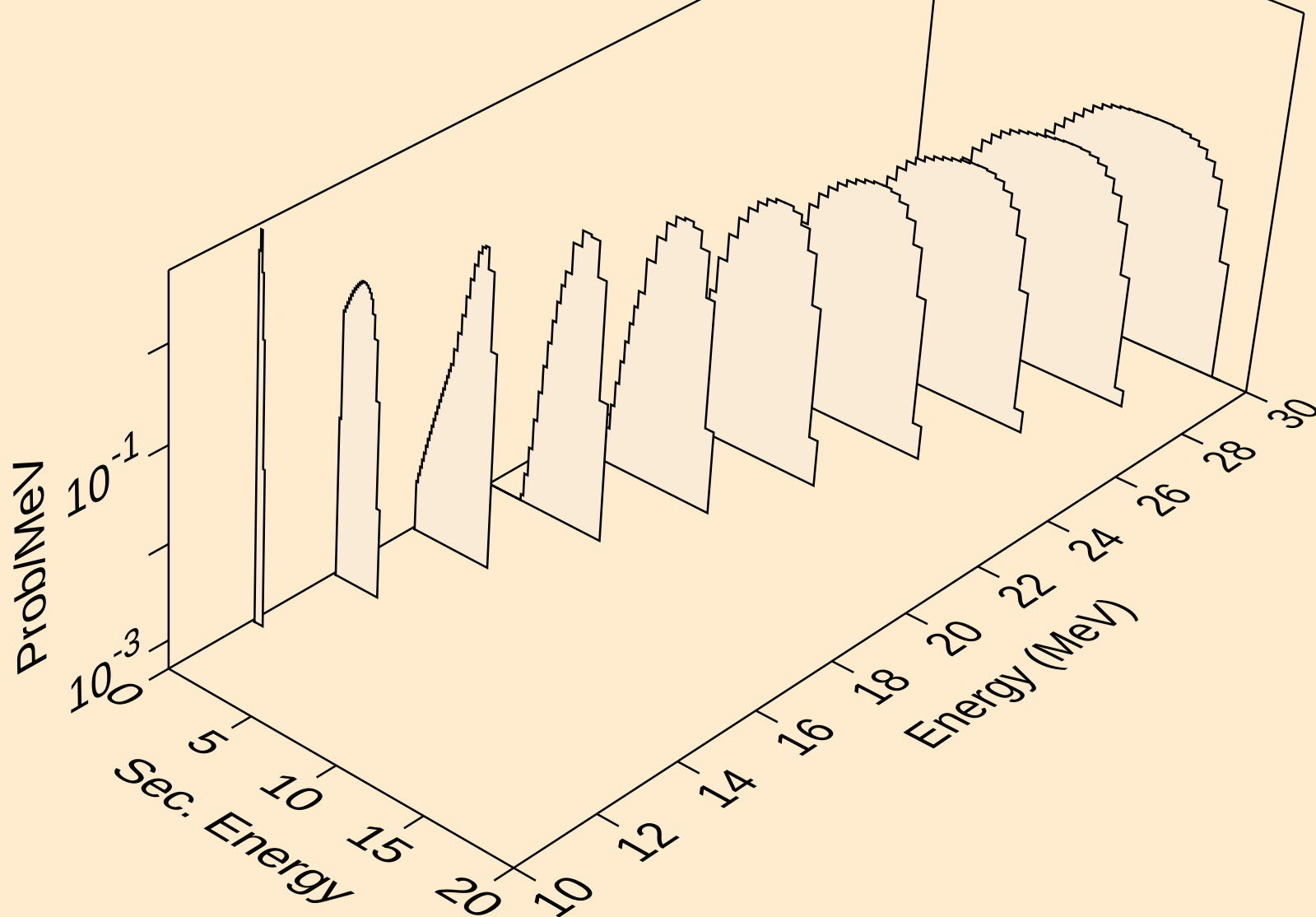


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

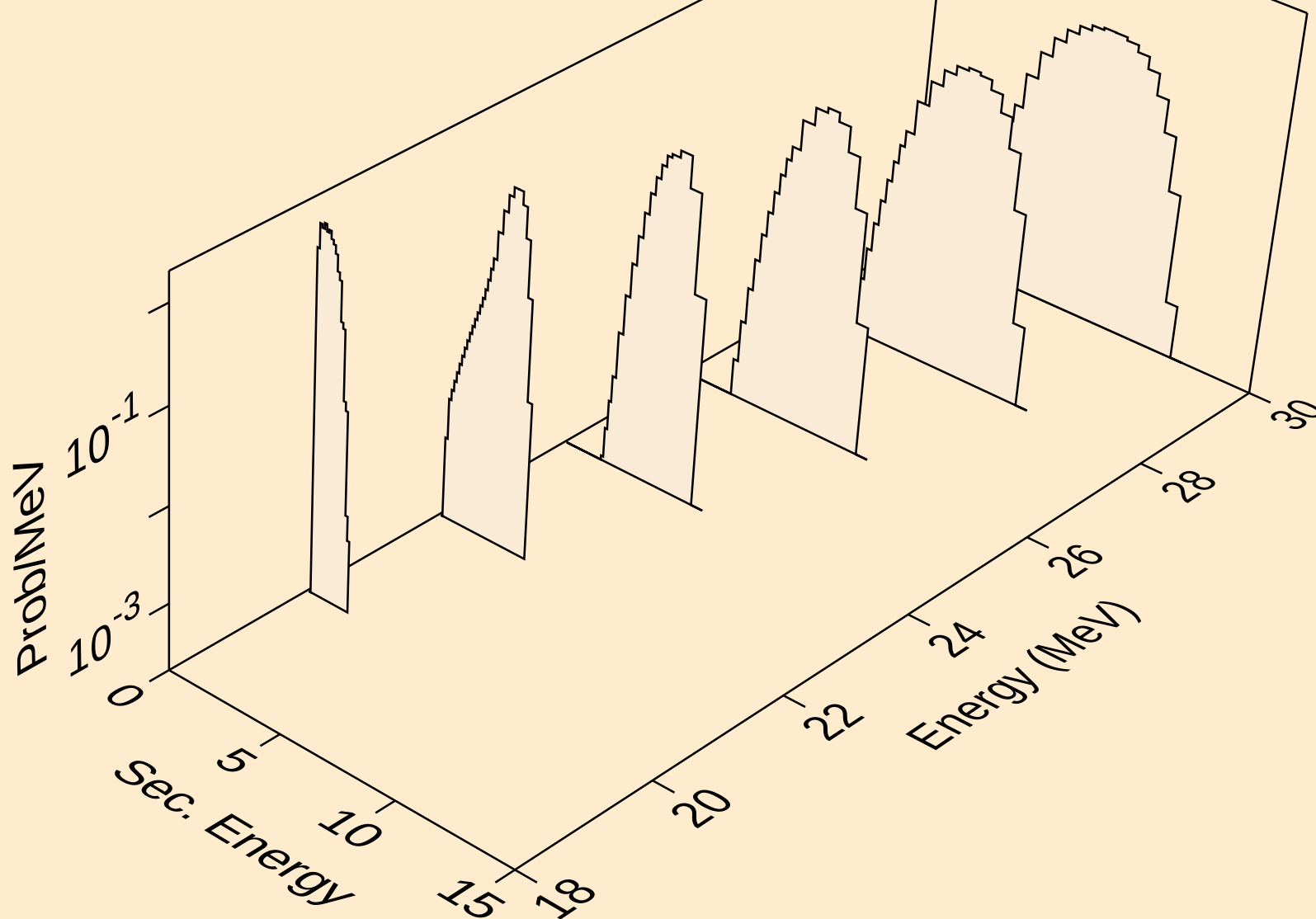
Proton emission for (p,n*)p



ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)

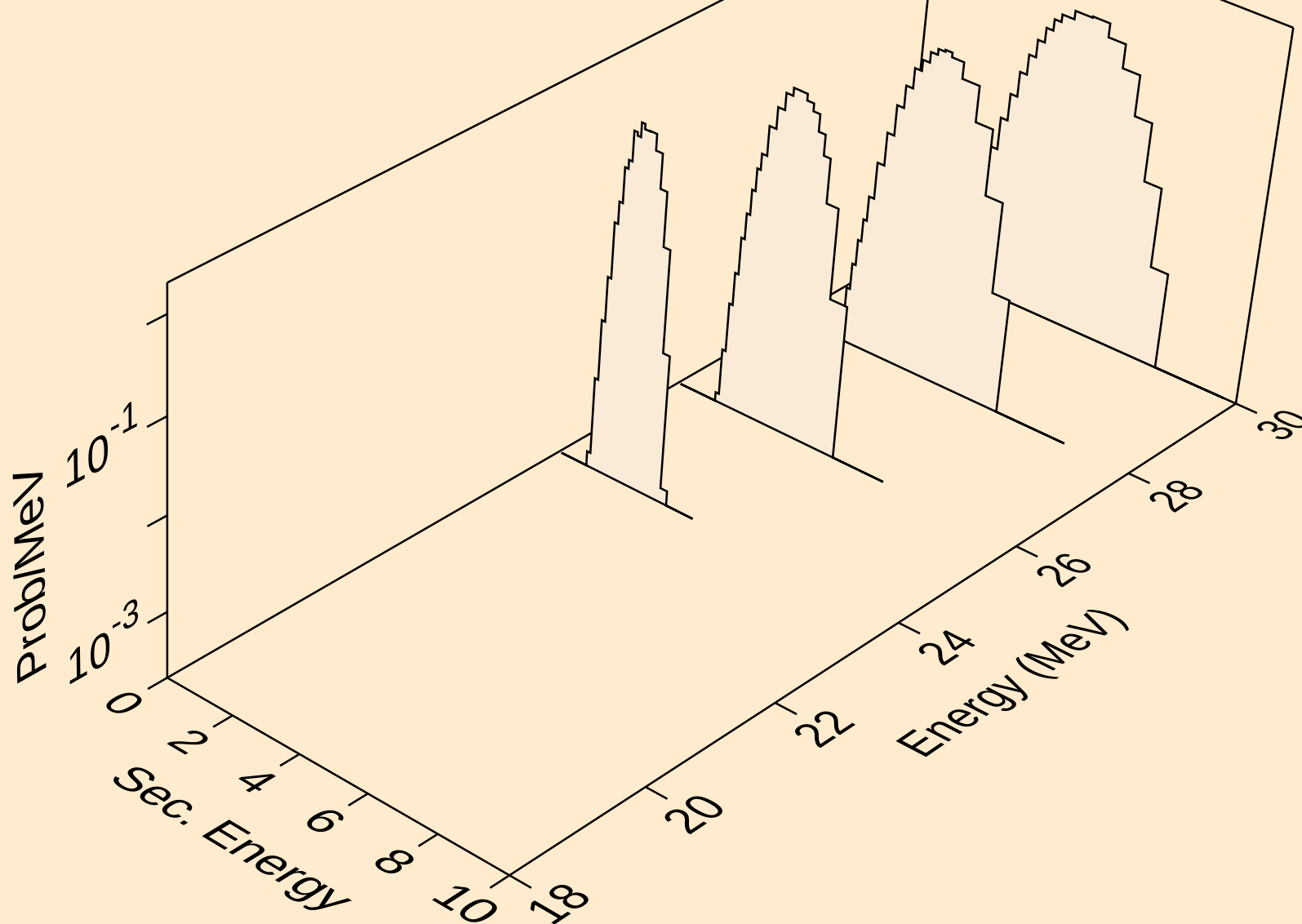


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,3np)



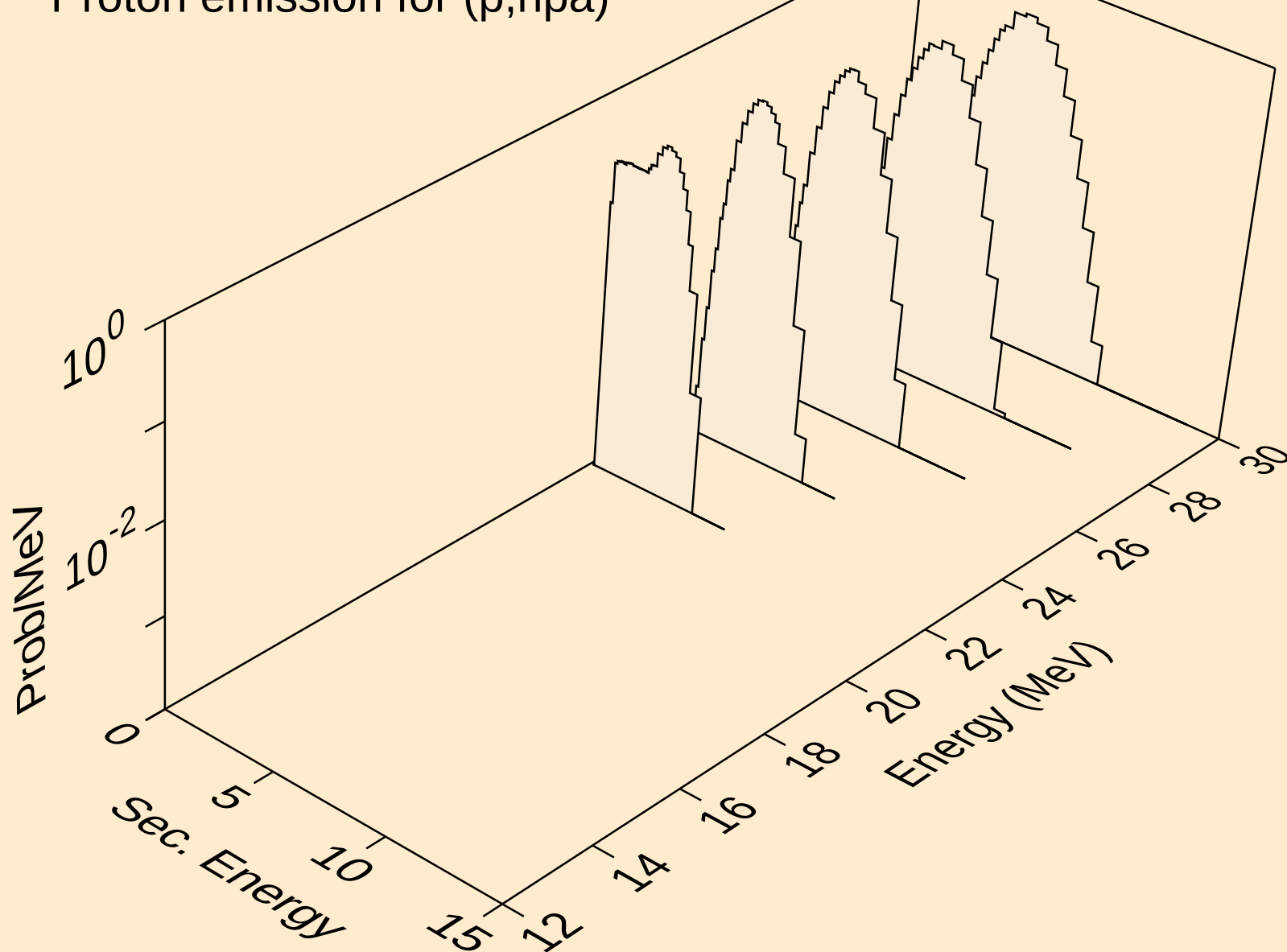
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,n2p)

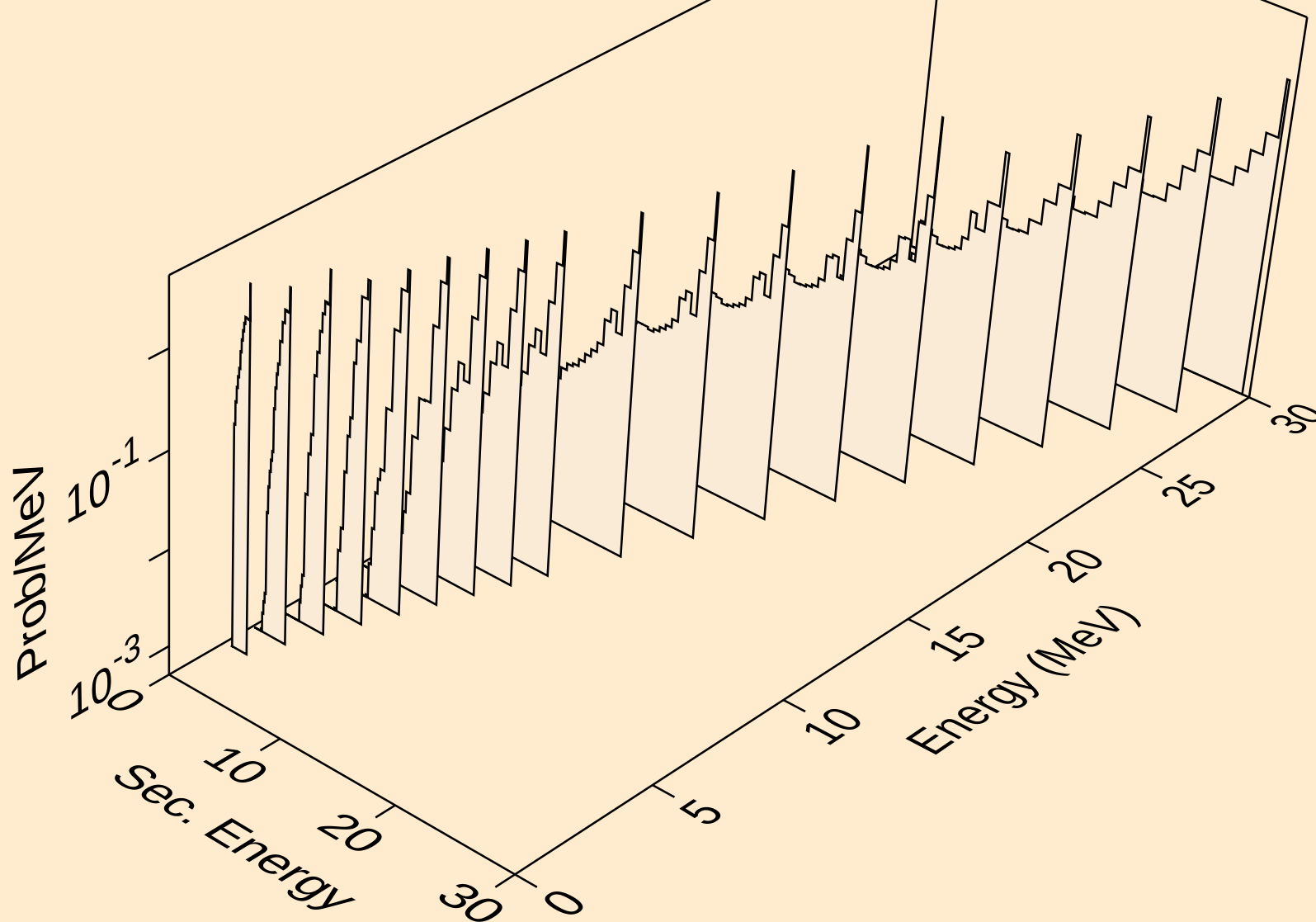


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,npa)

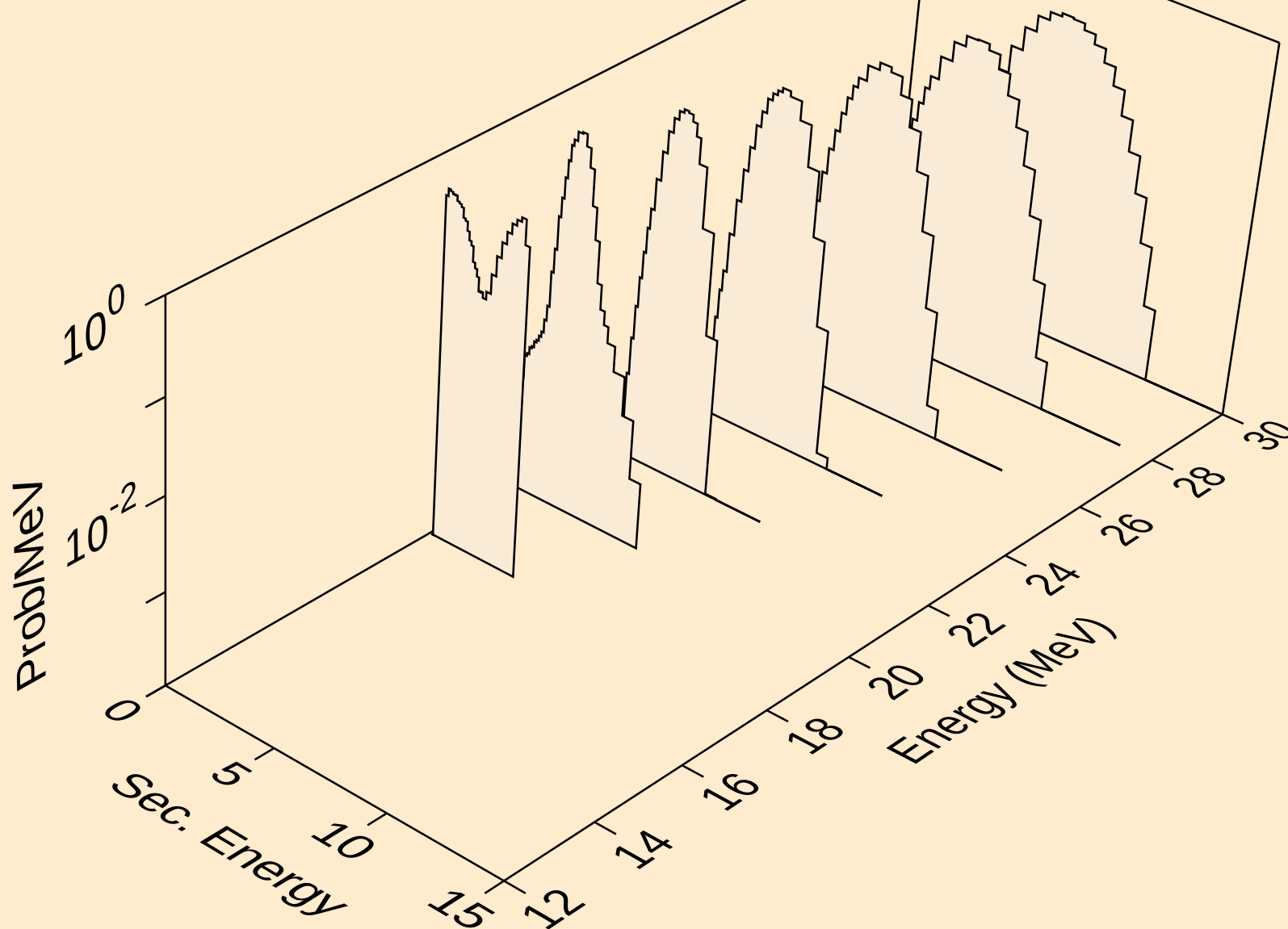


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



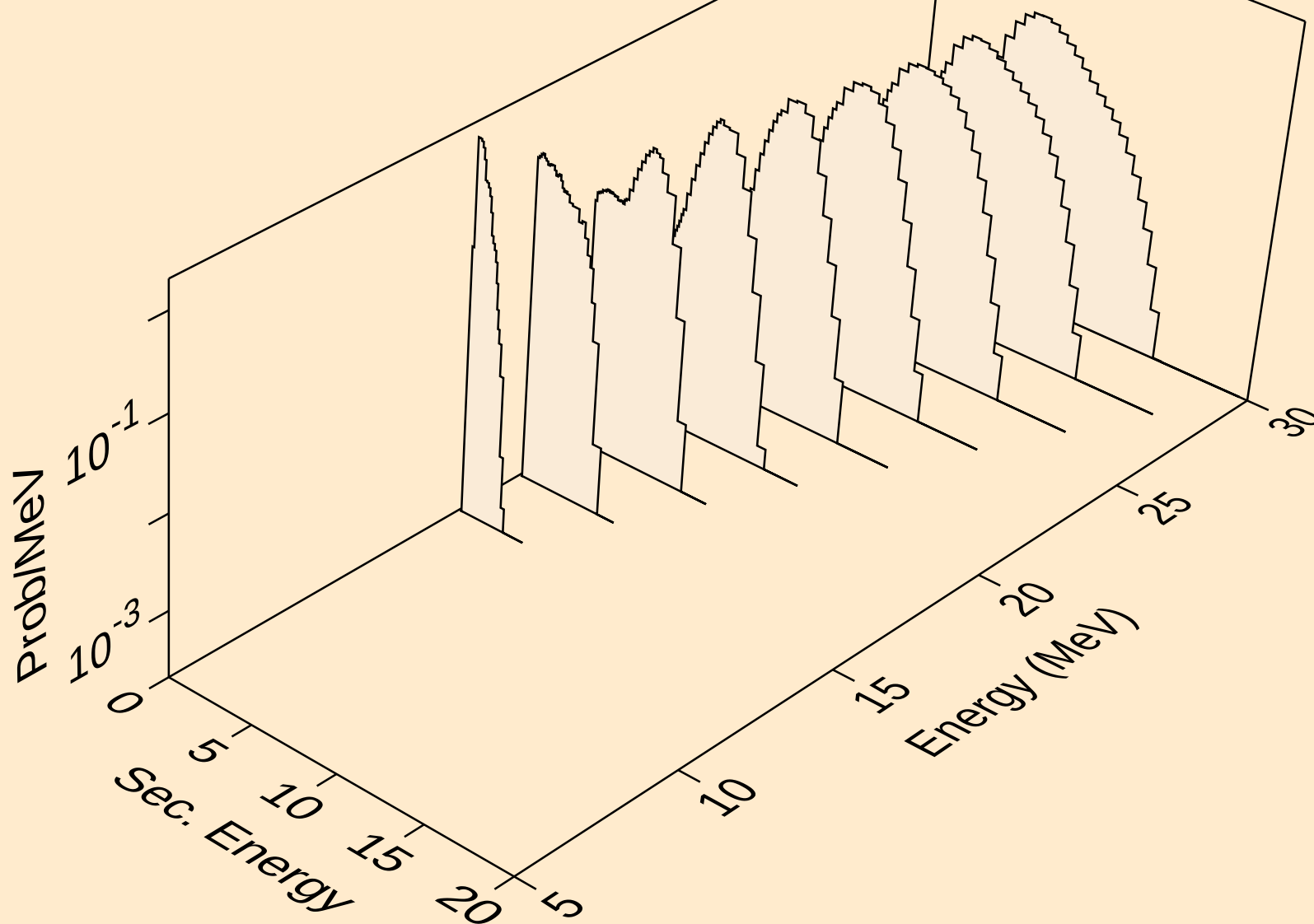
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2p)

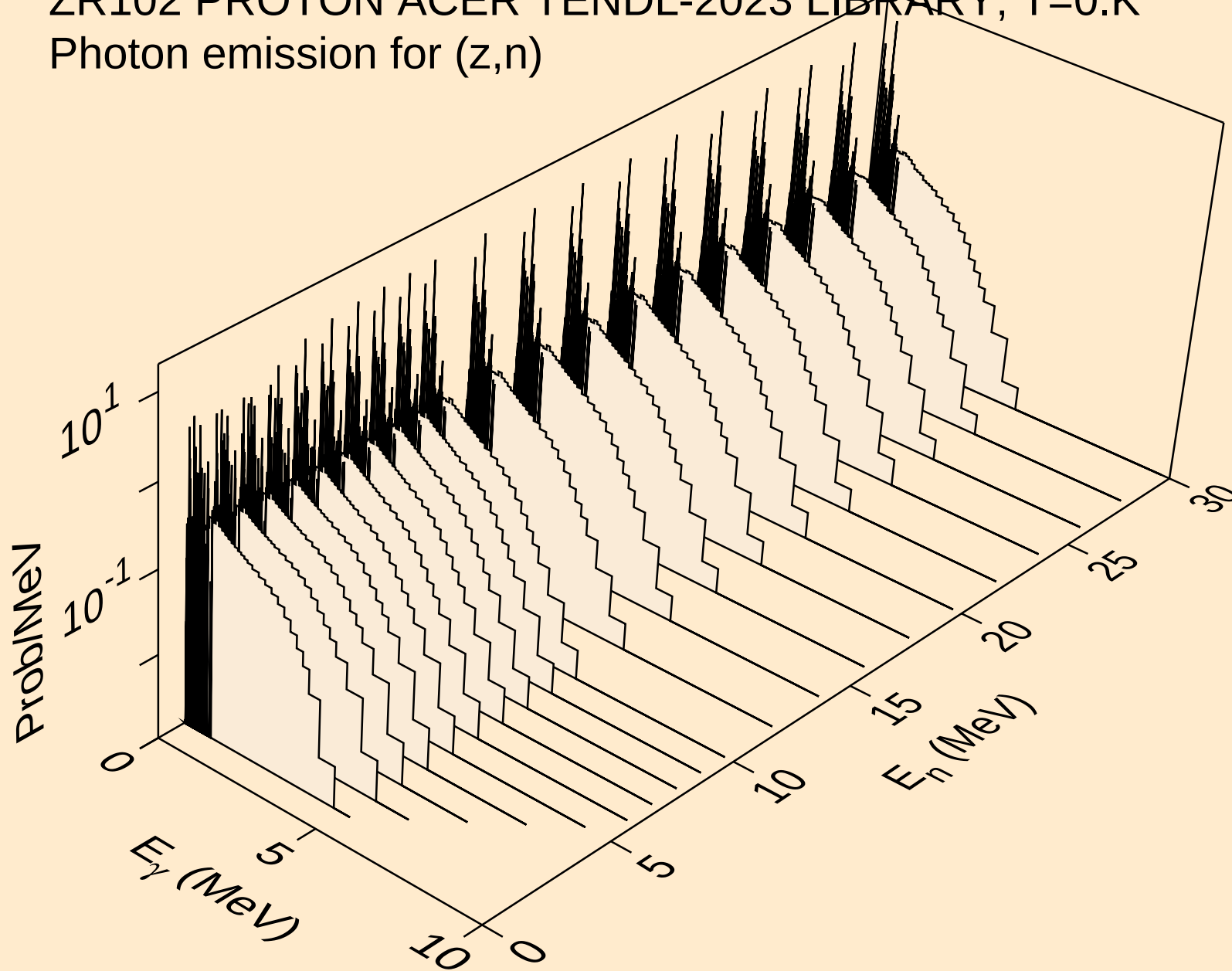


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pa)

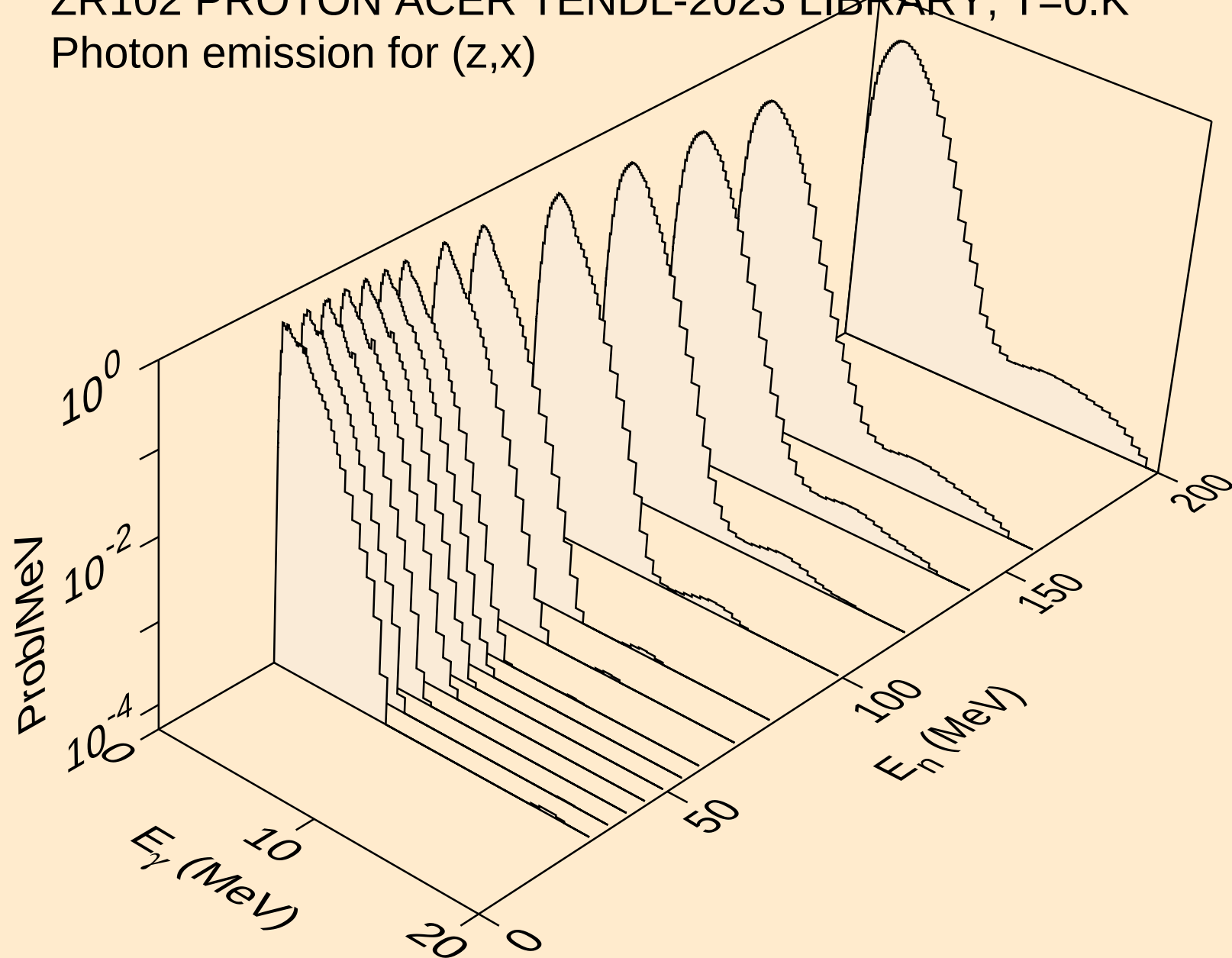


ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (z,n)

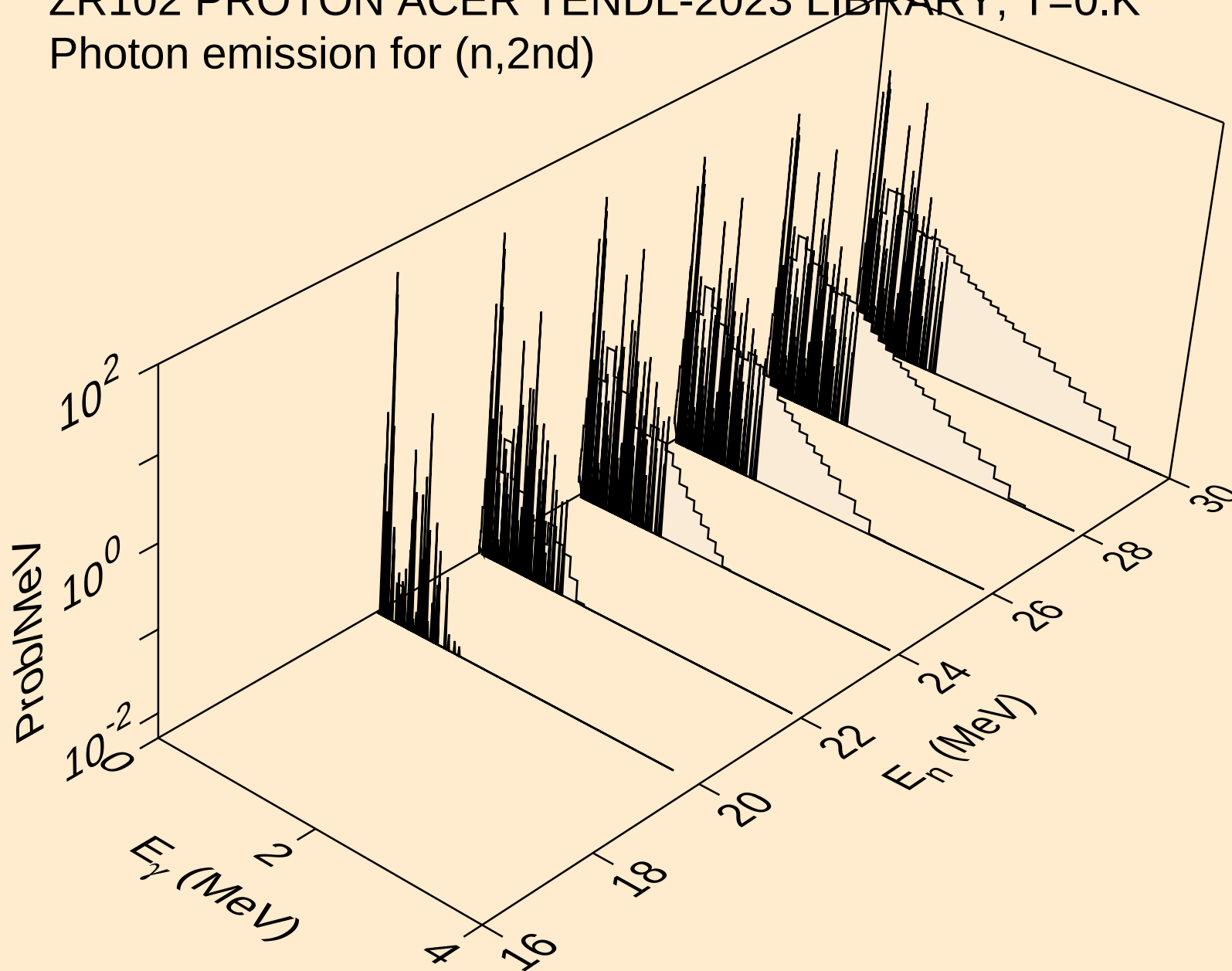


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

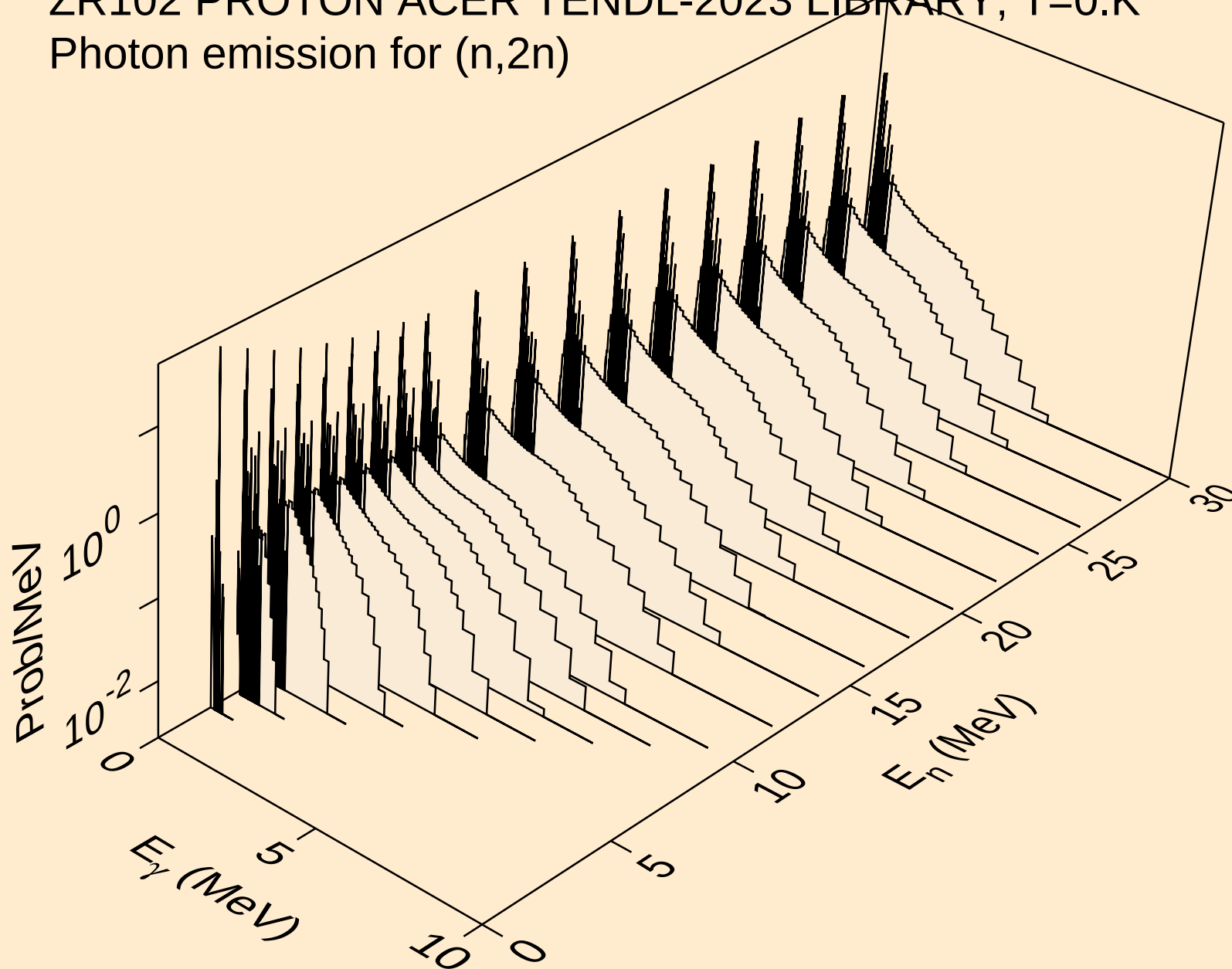
Photon emission for (z,x)



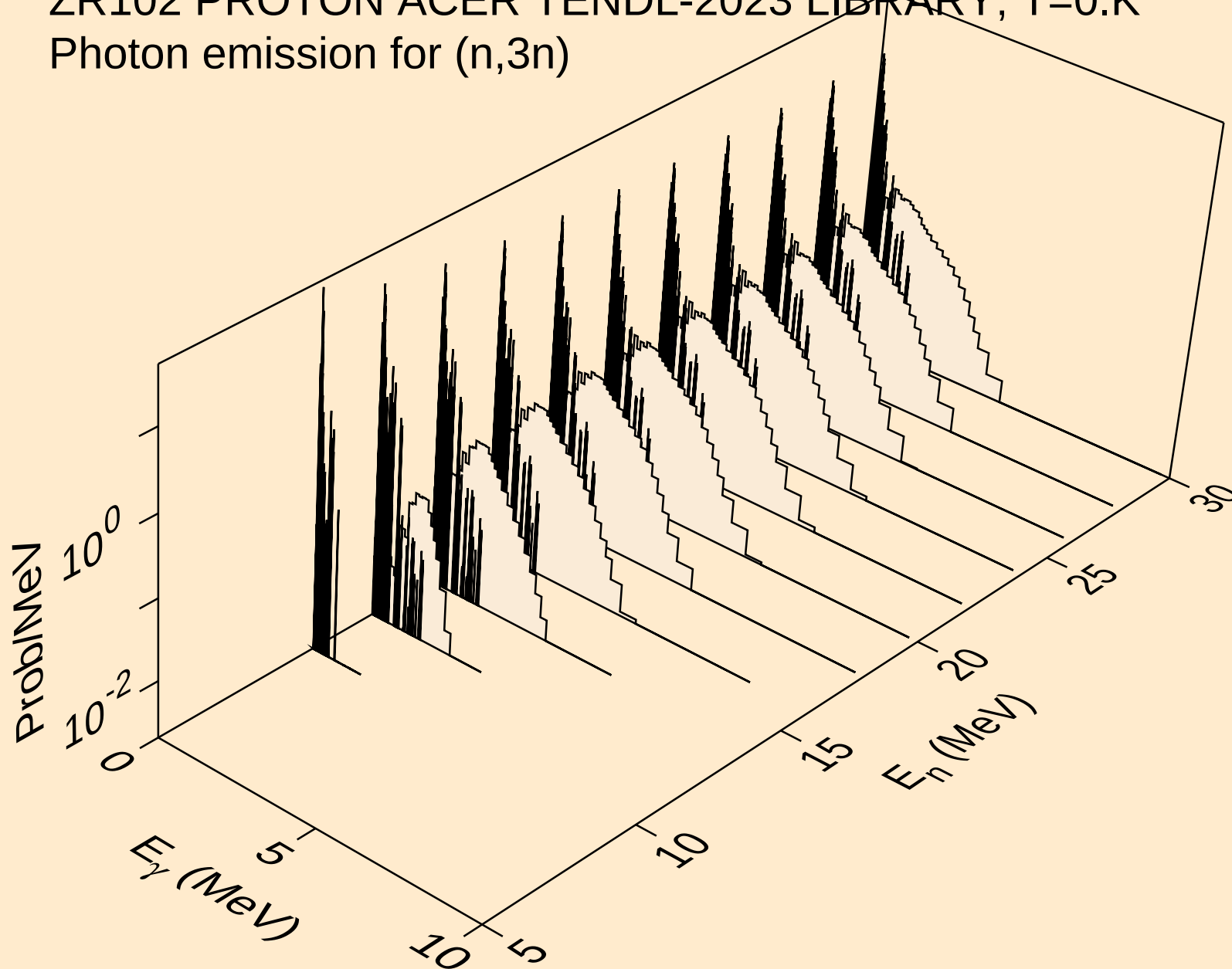
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2nd)



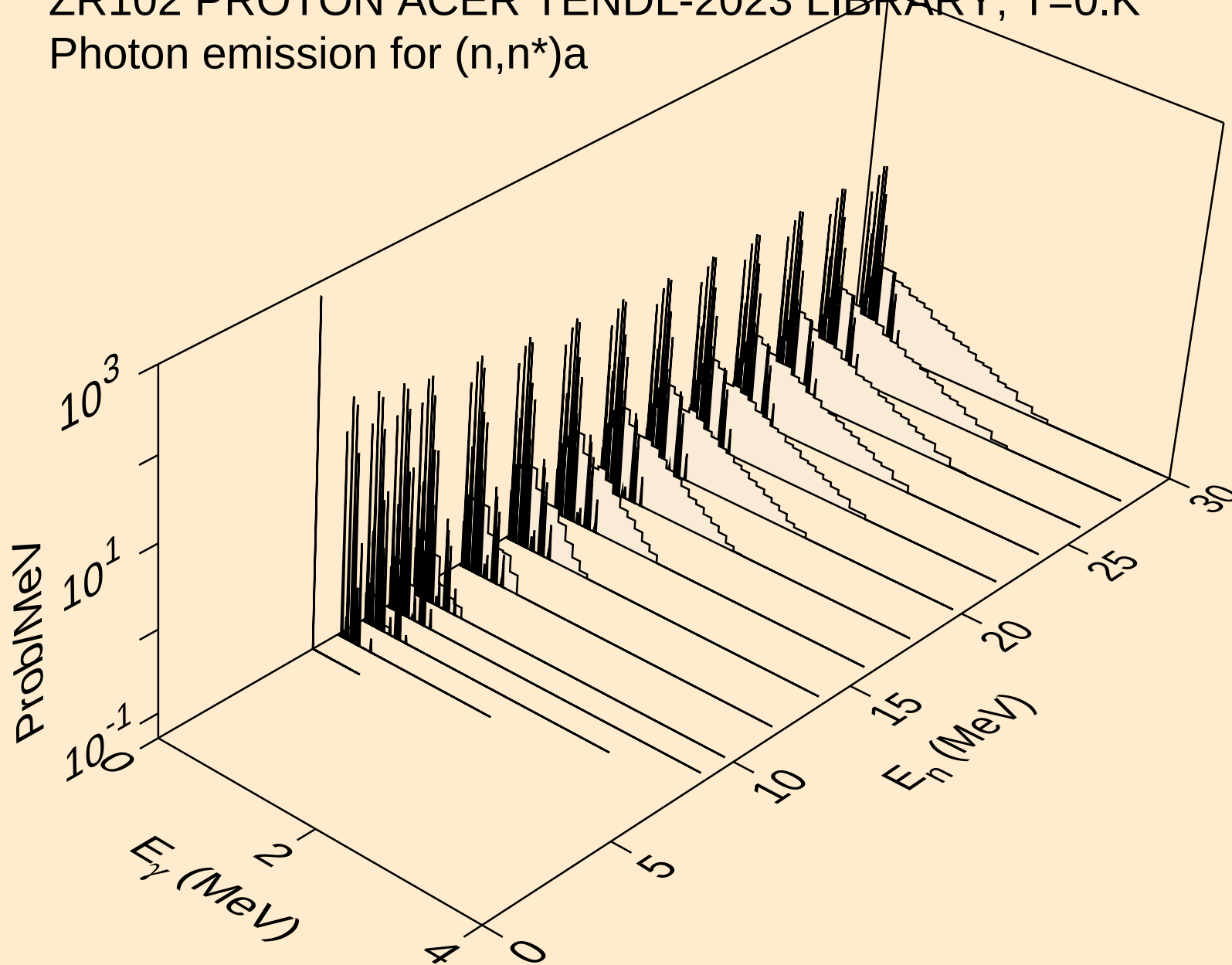
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)



ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,3n)

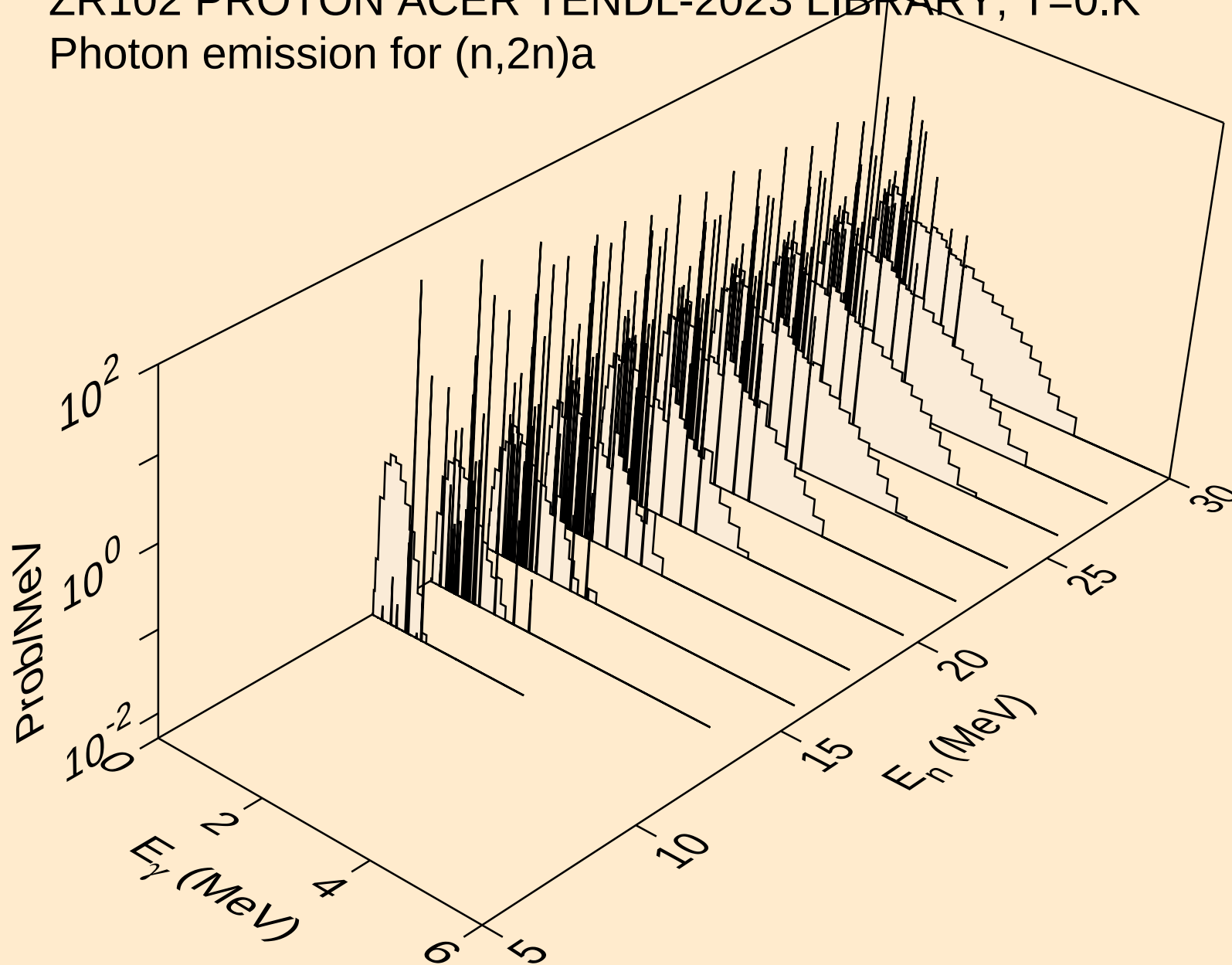


ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)a$



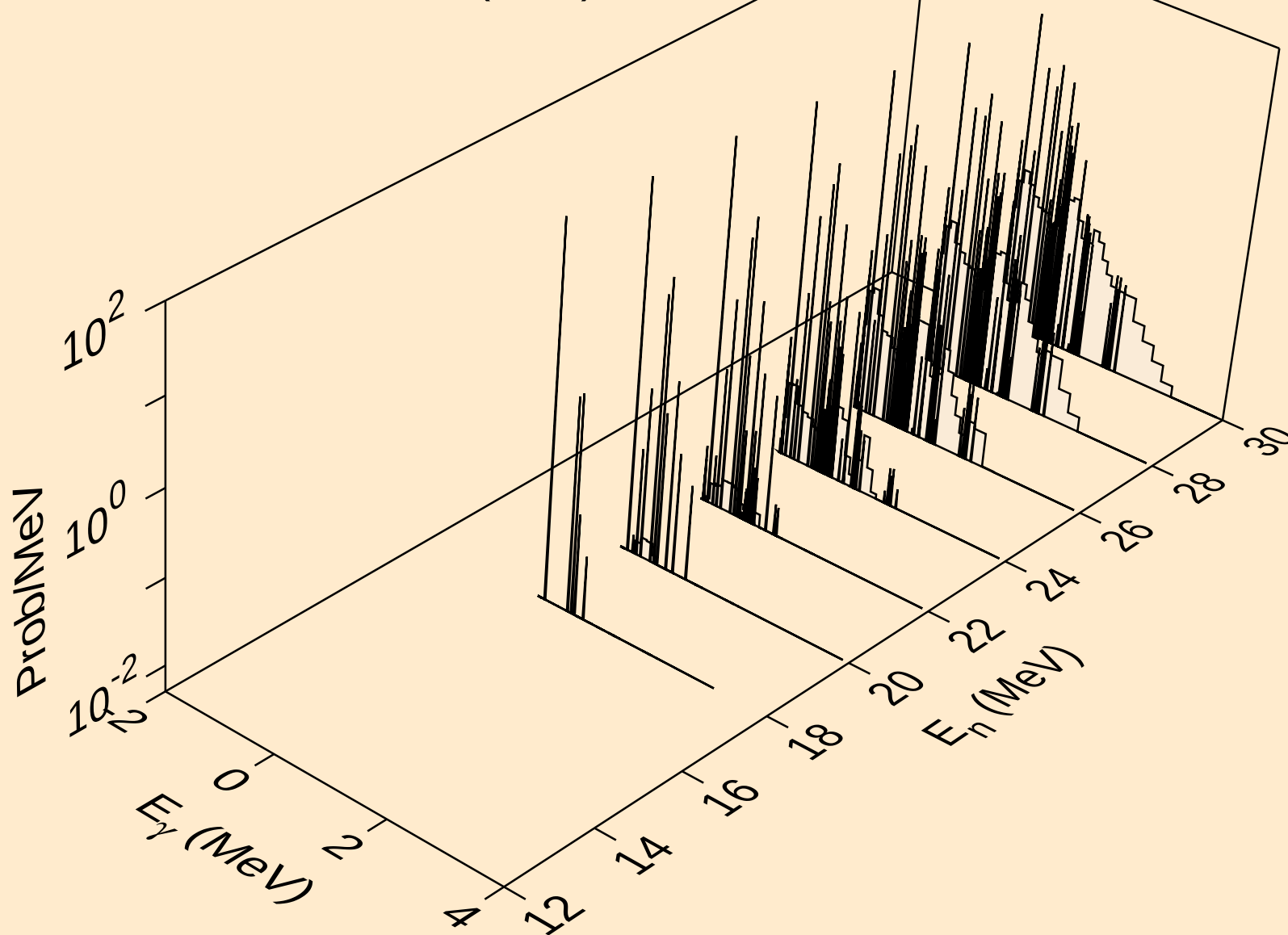
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



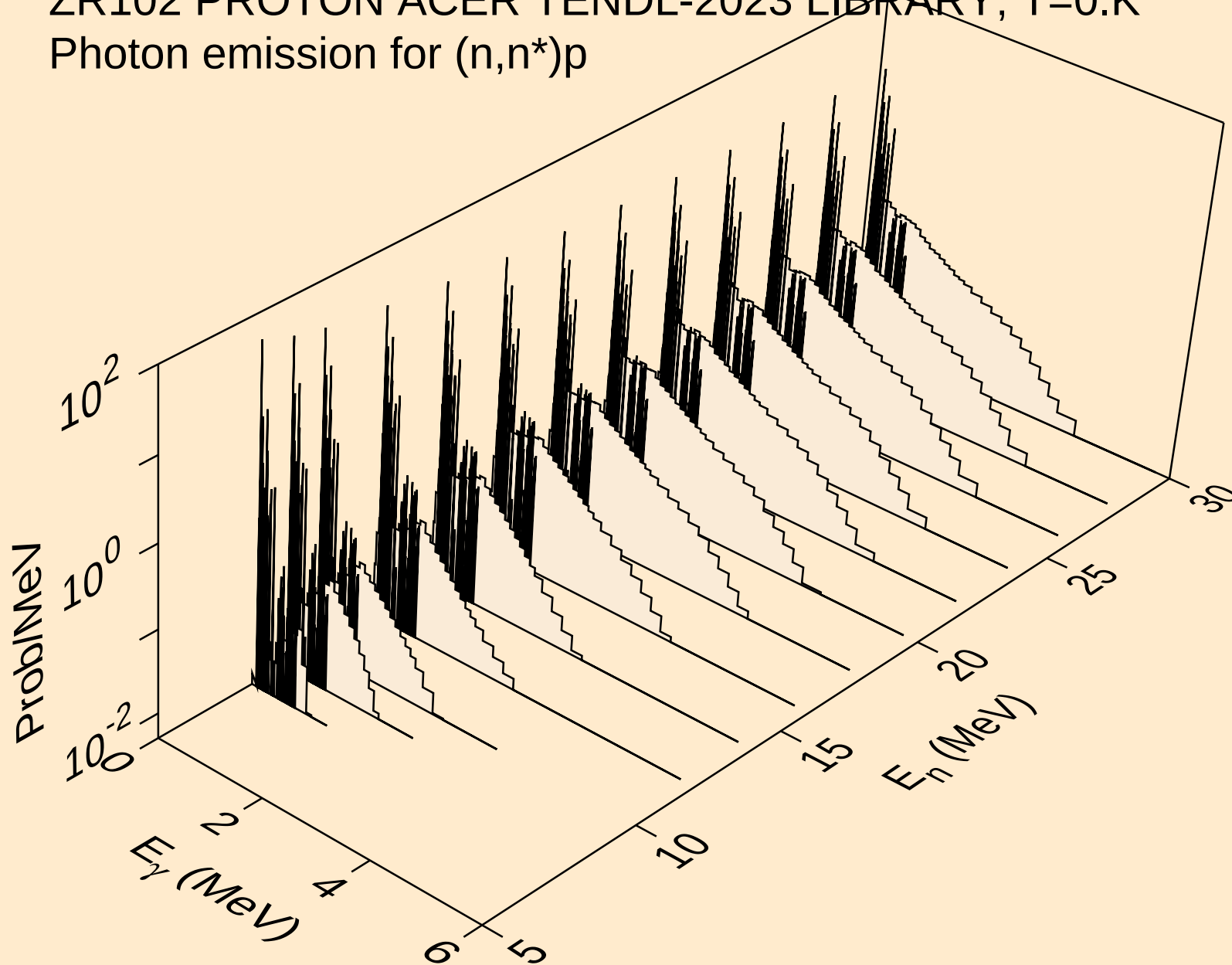
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

Photon emission for $(n,3n)\alpha$



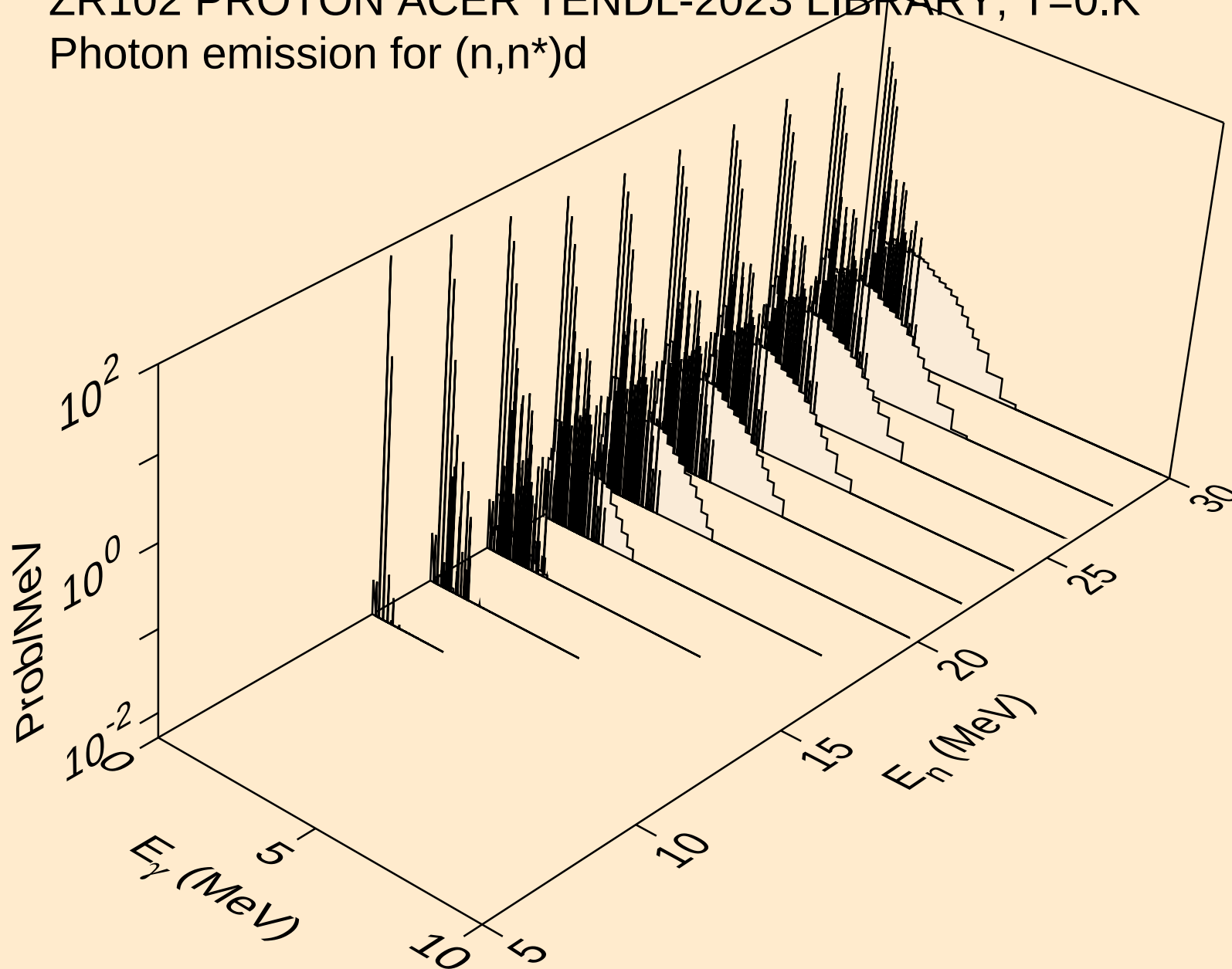
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

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



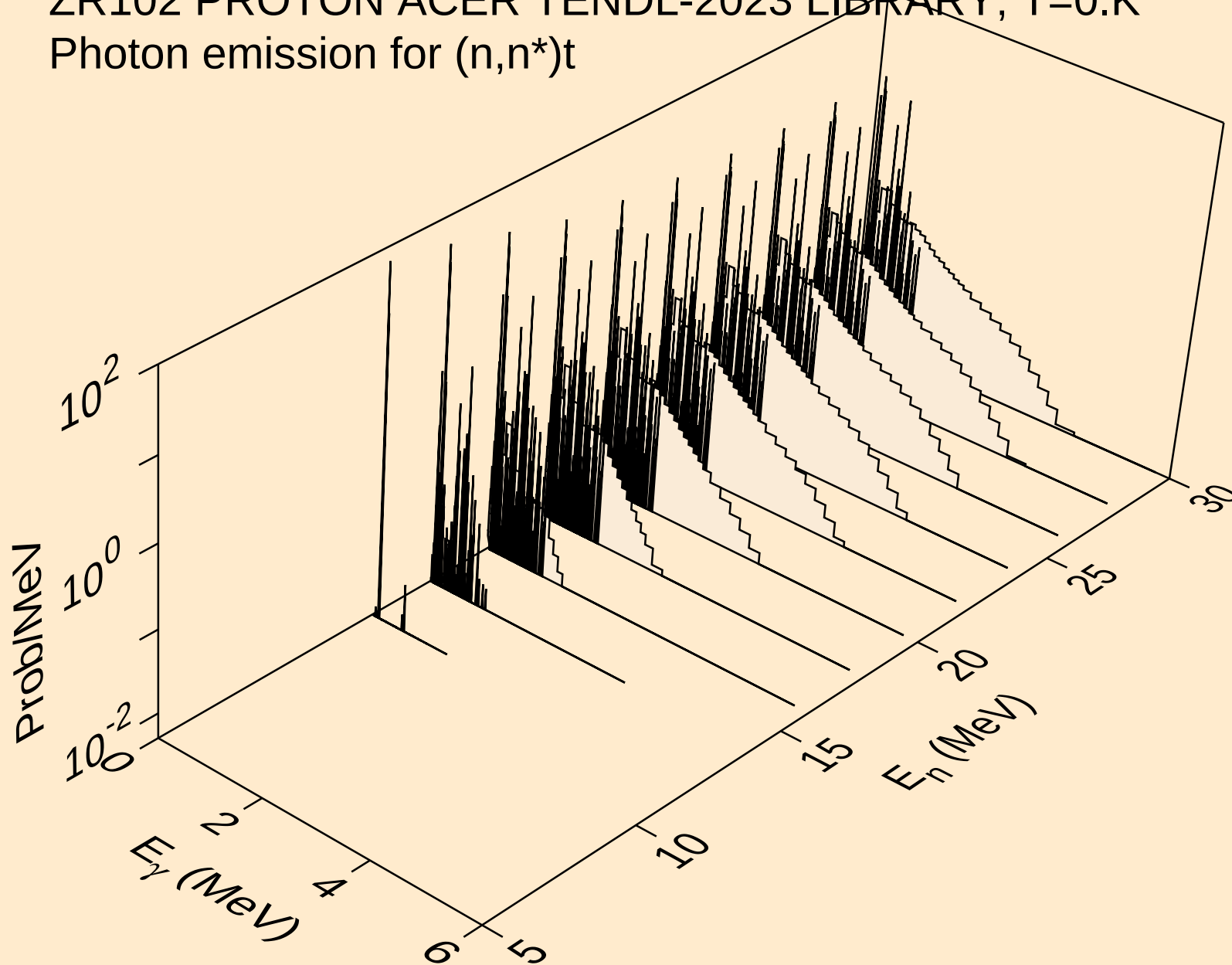
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

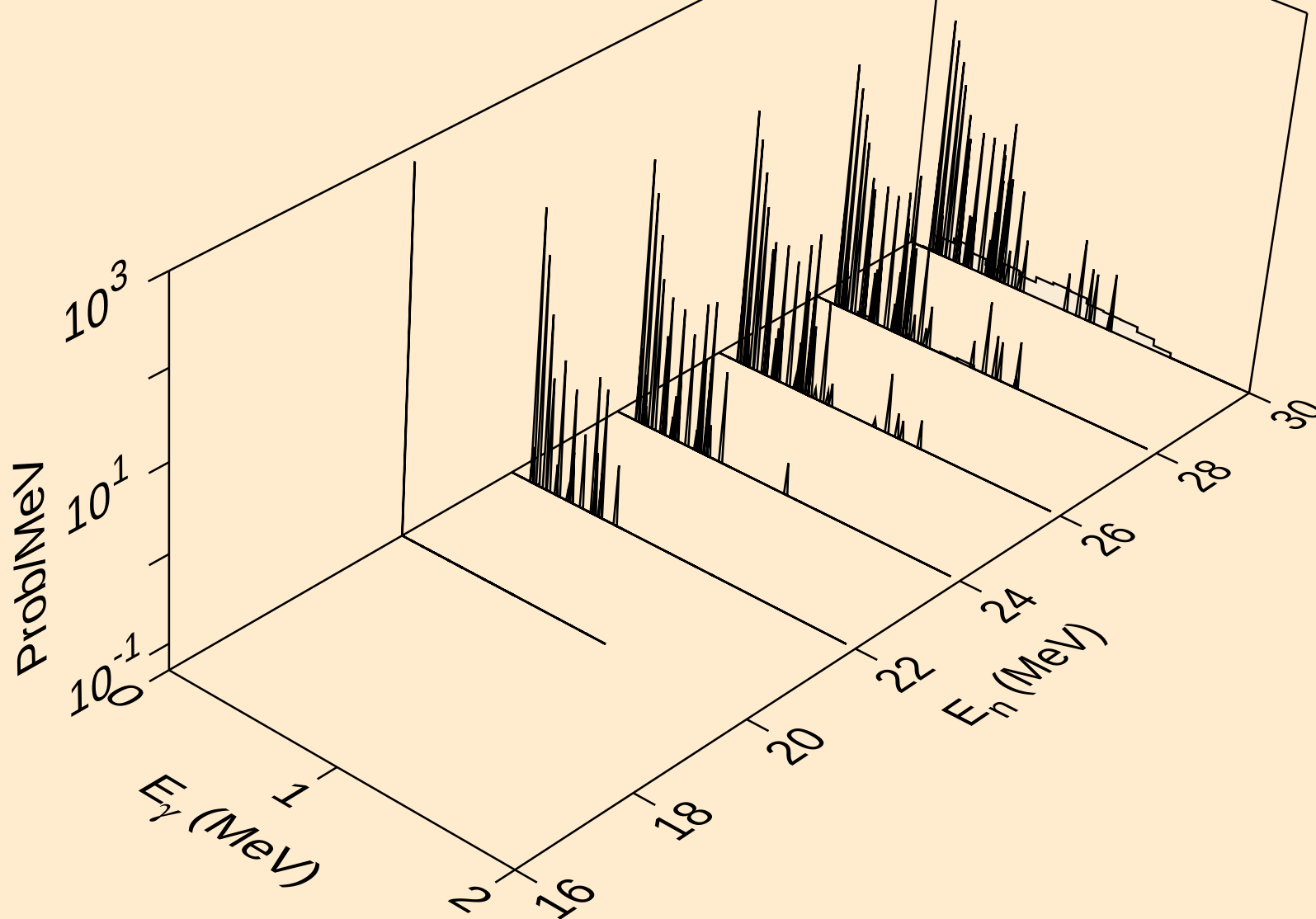


ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

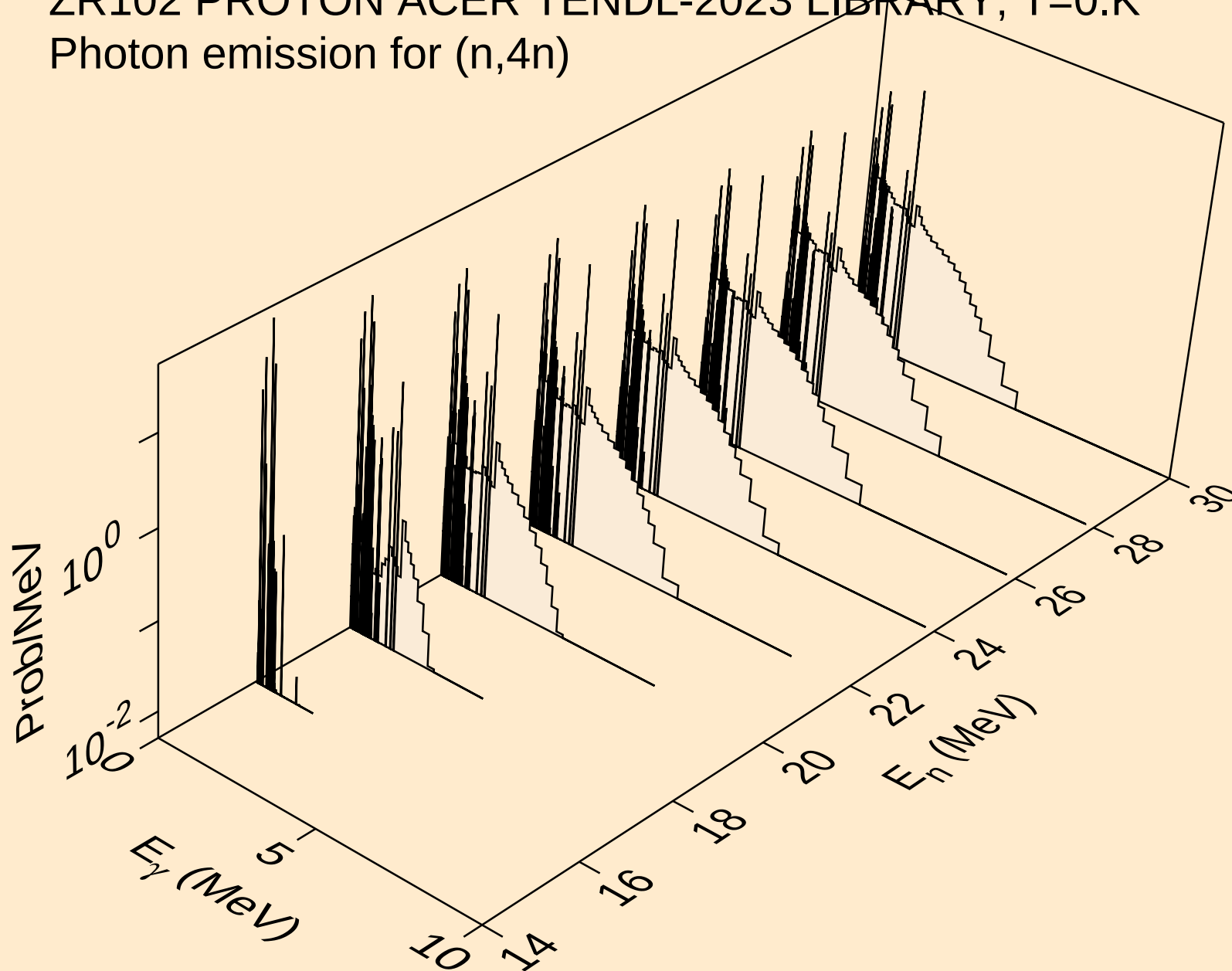
Photon emission for $(n,n^*)t$



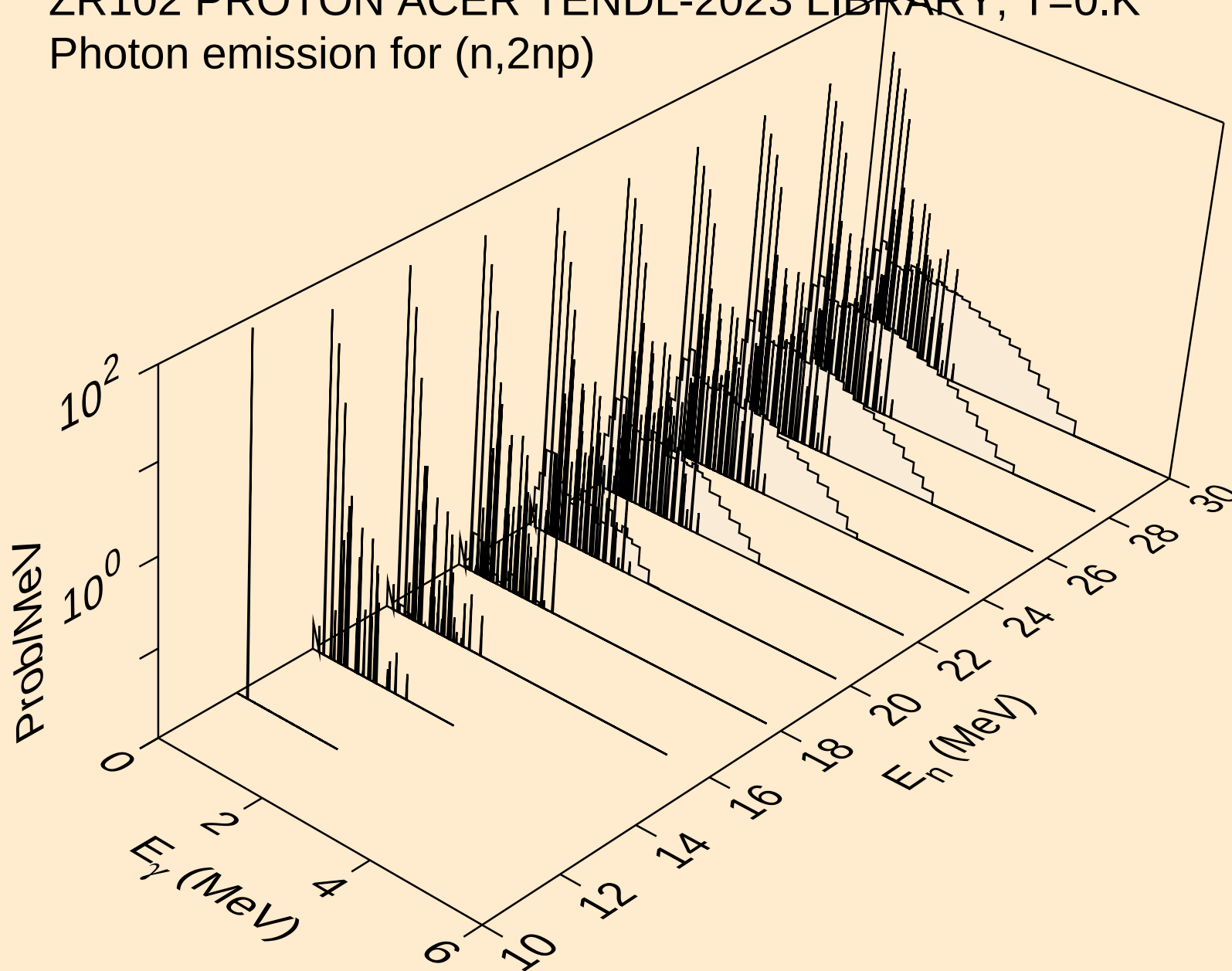
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



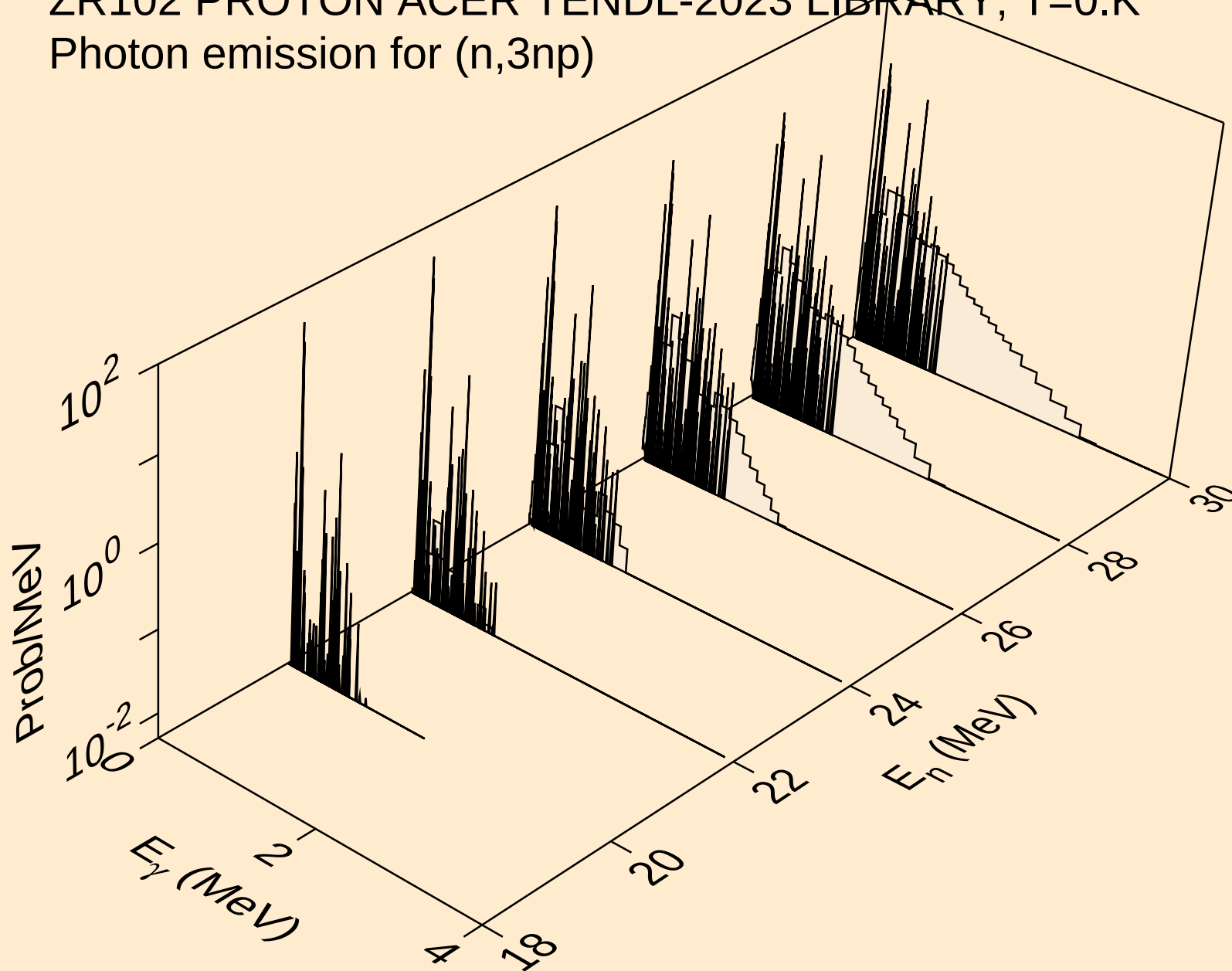
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,4n)



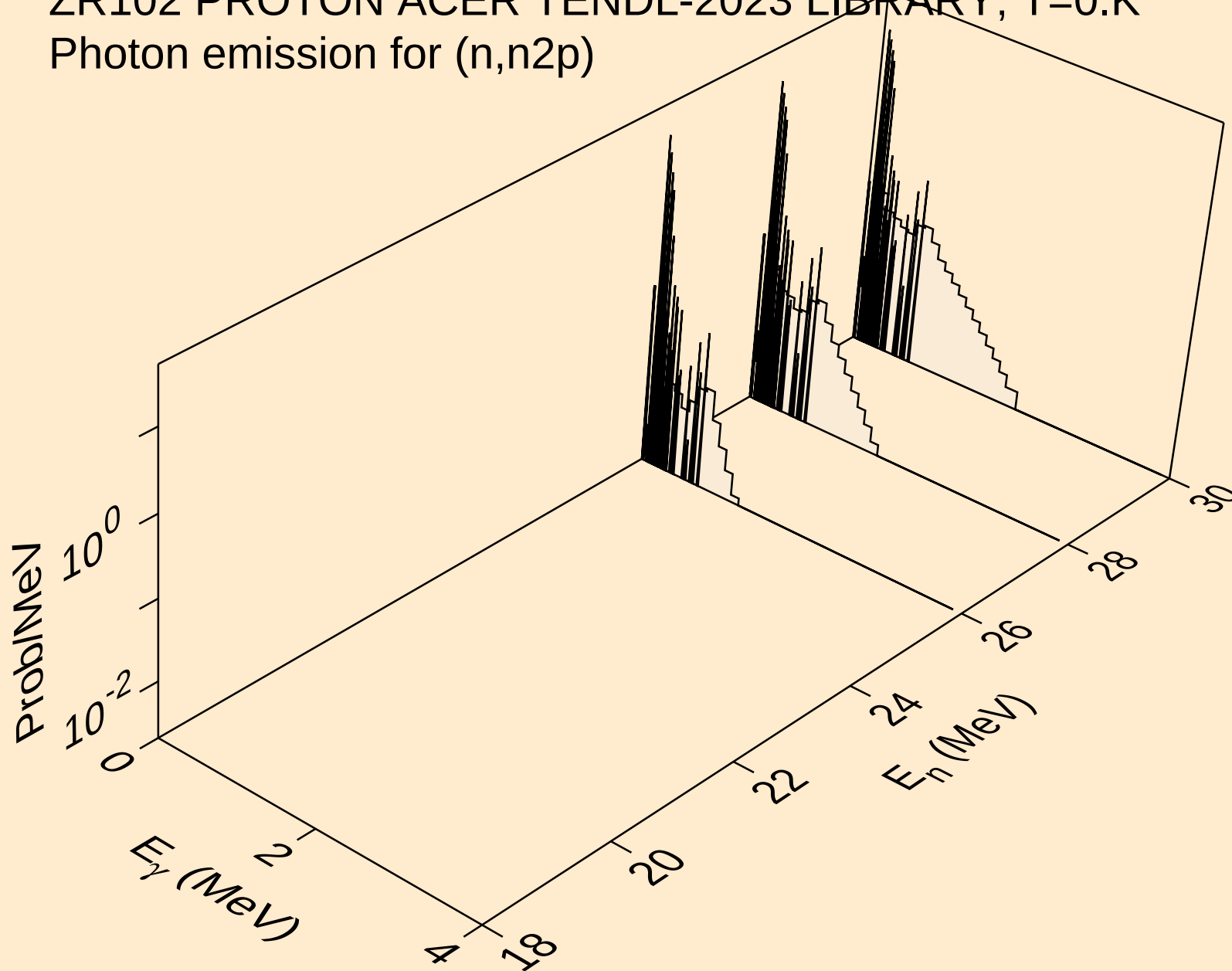
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



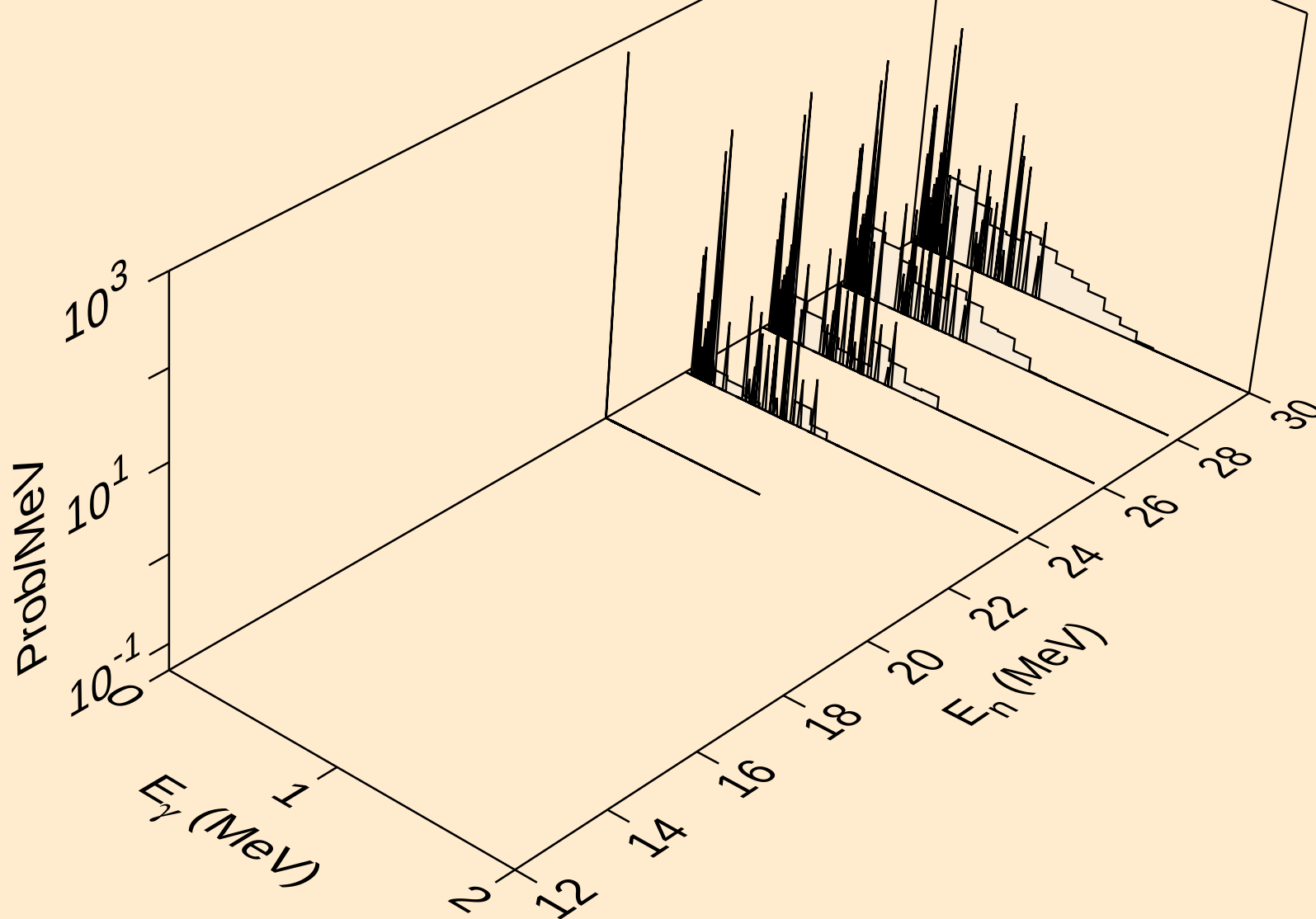
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Photon emission for (n,3np)



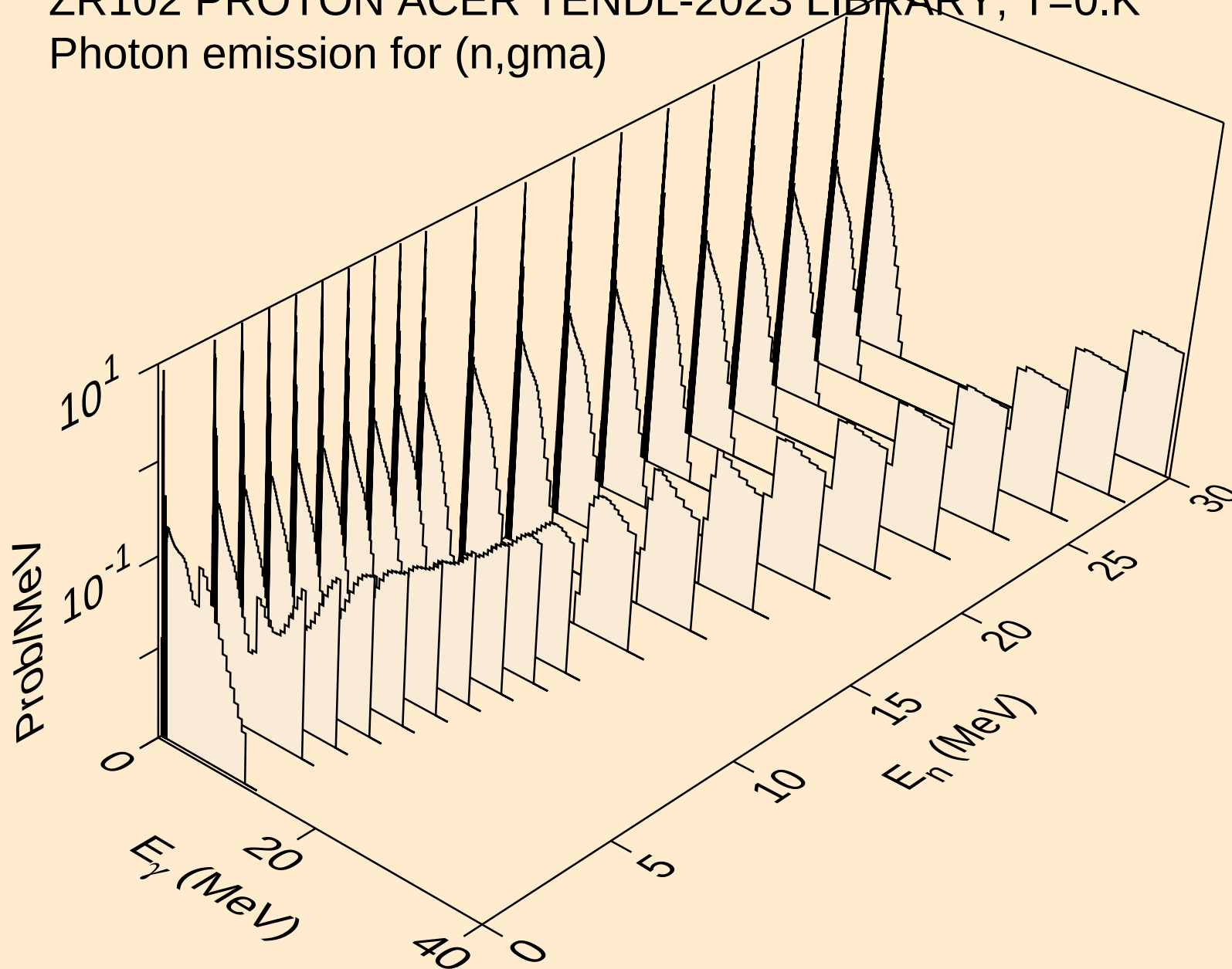
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



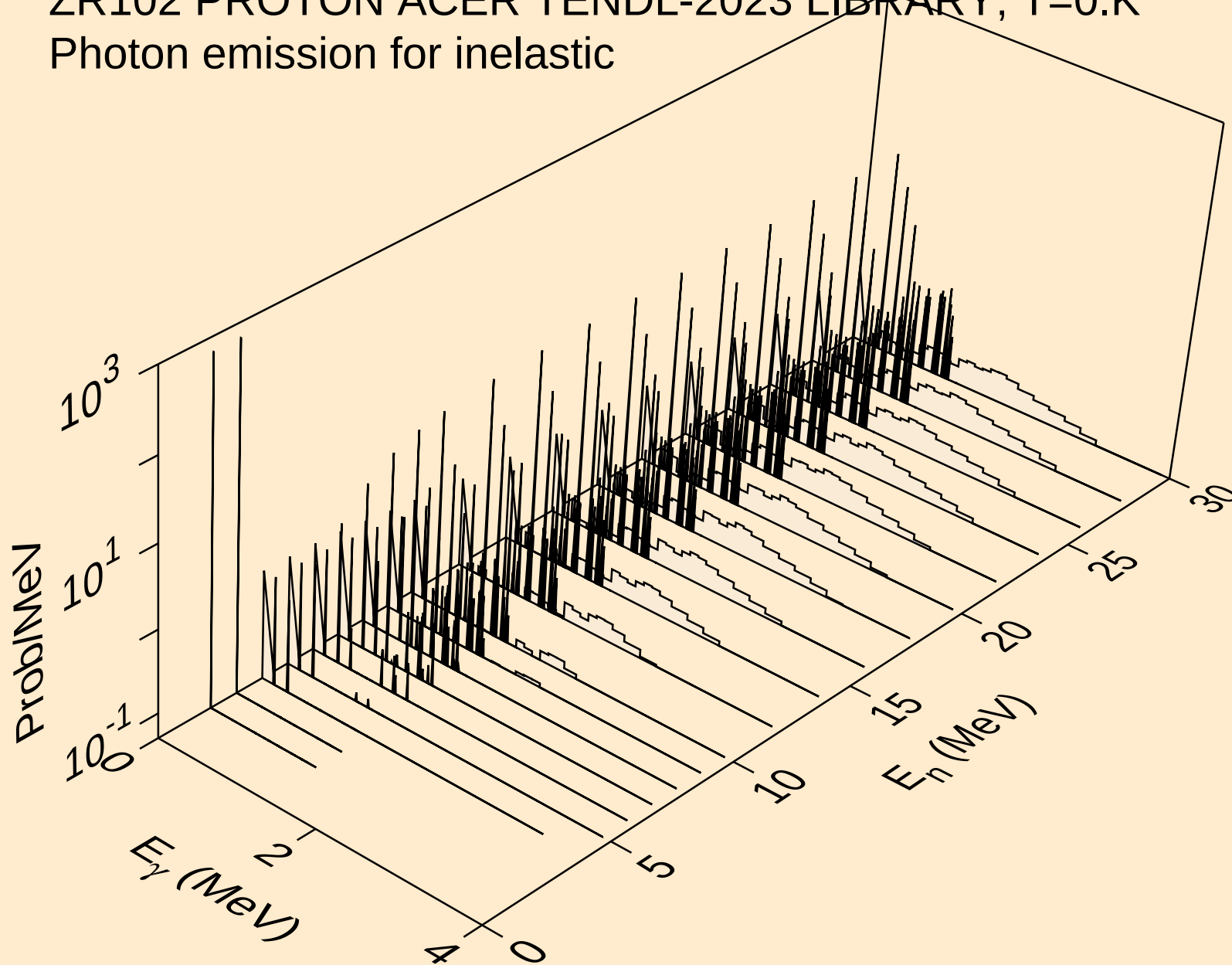
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,npa)



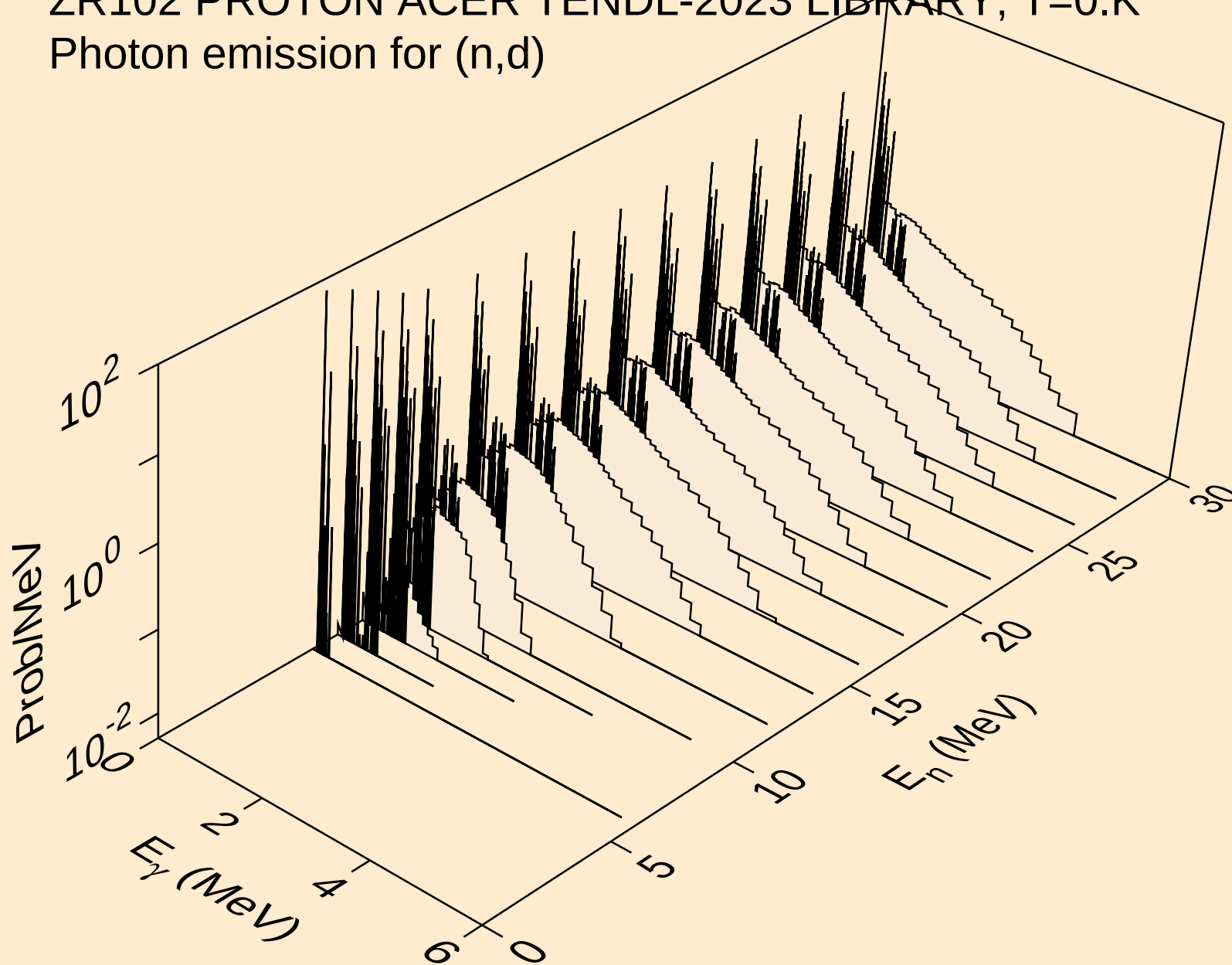
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,gma)



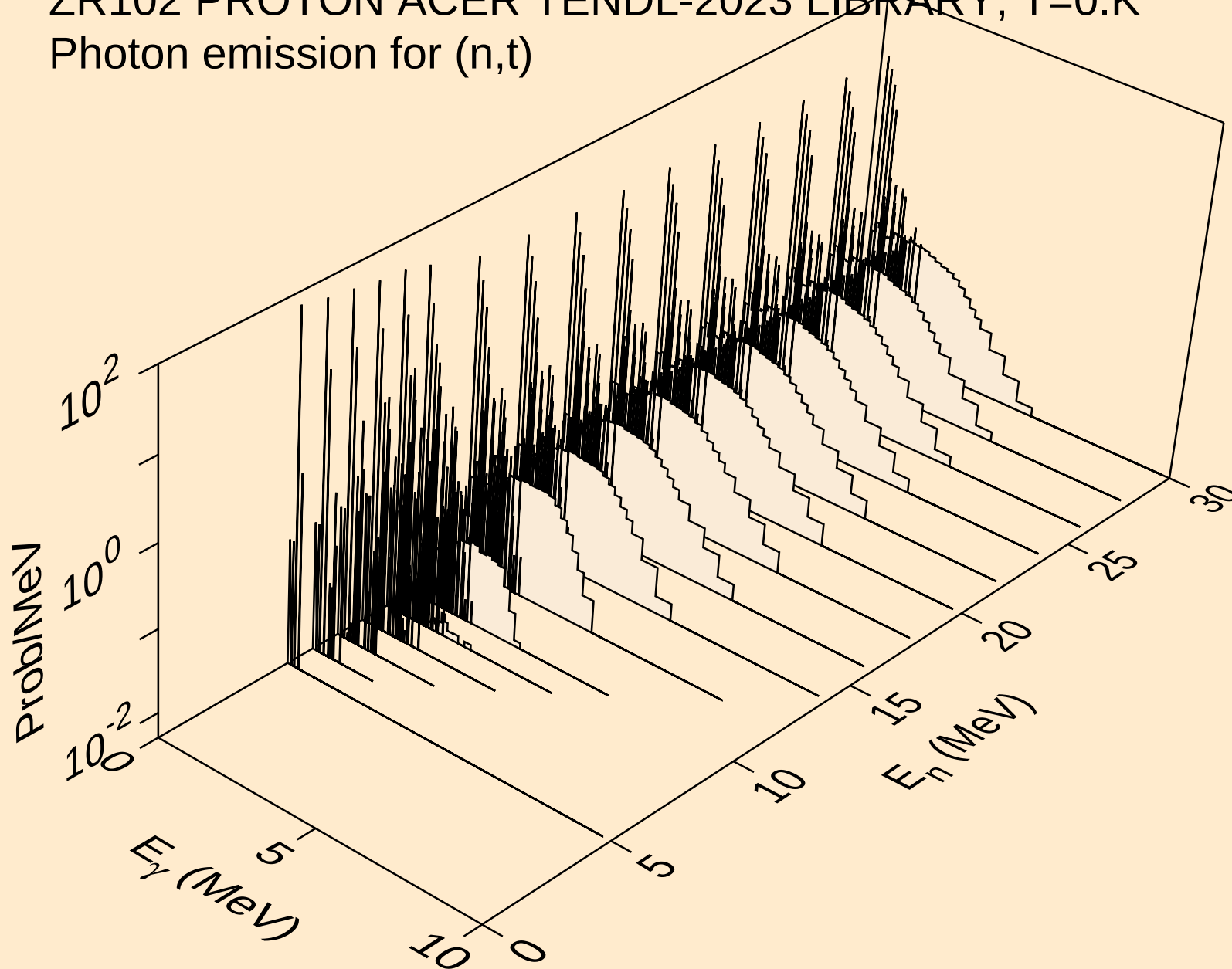
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for inelastic



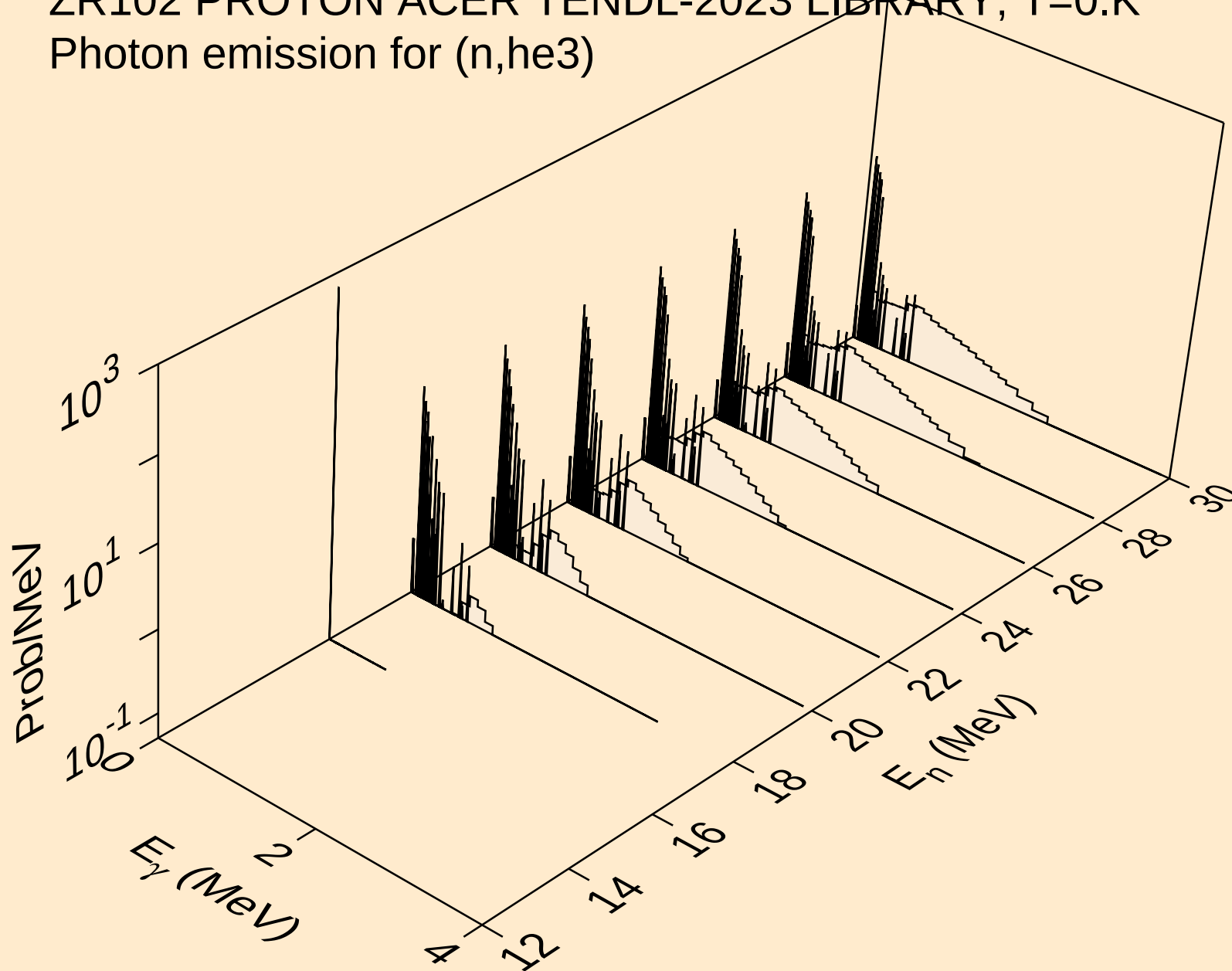
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,d)



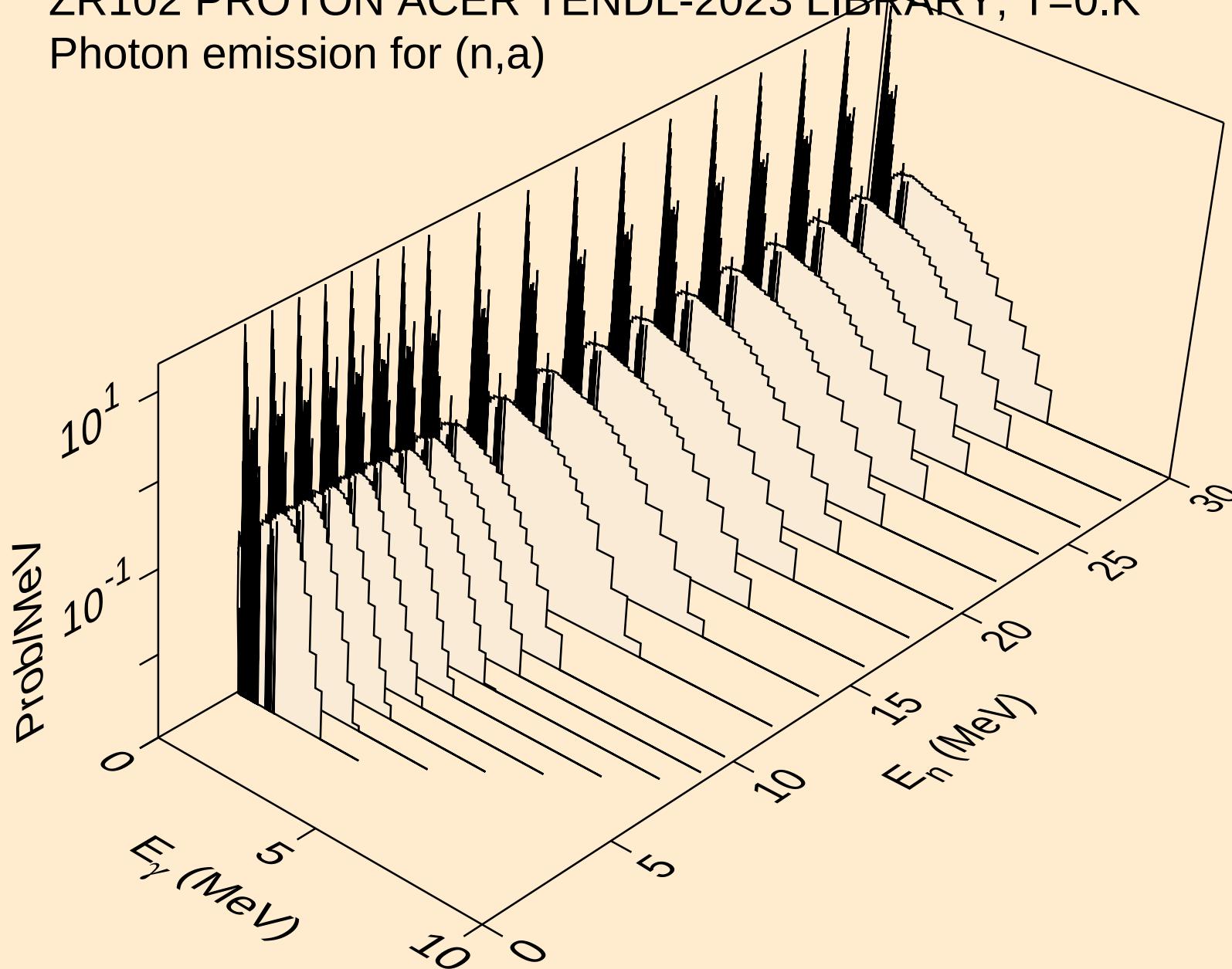
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,t)



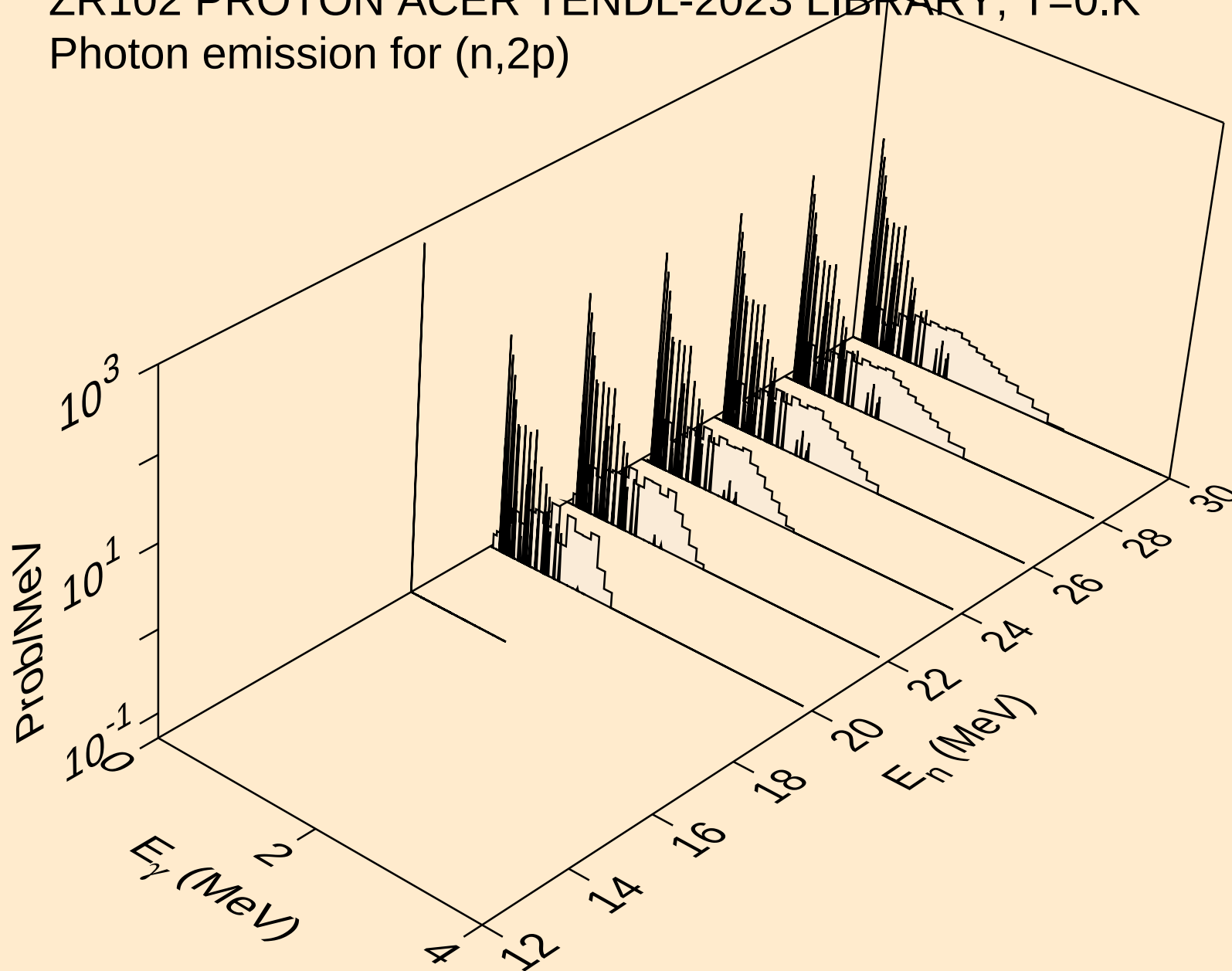
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,he3)



ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)

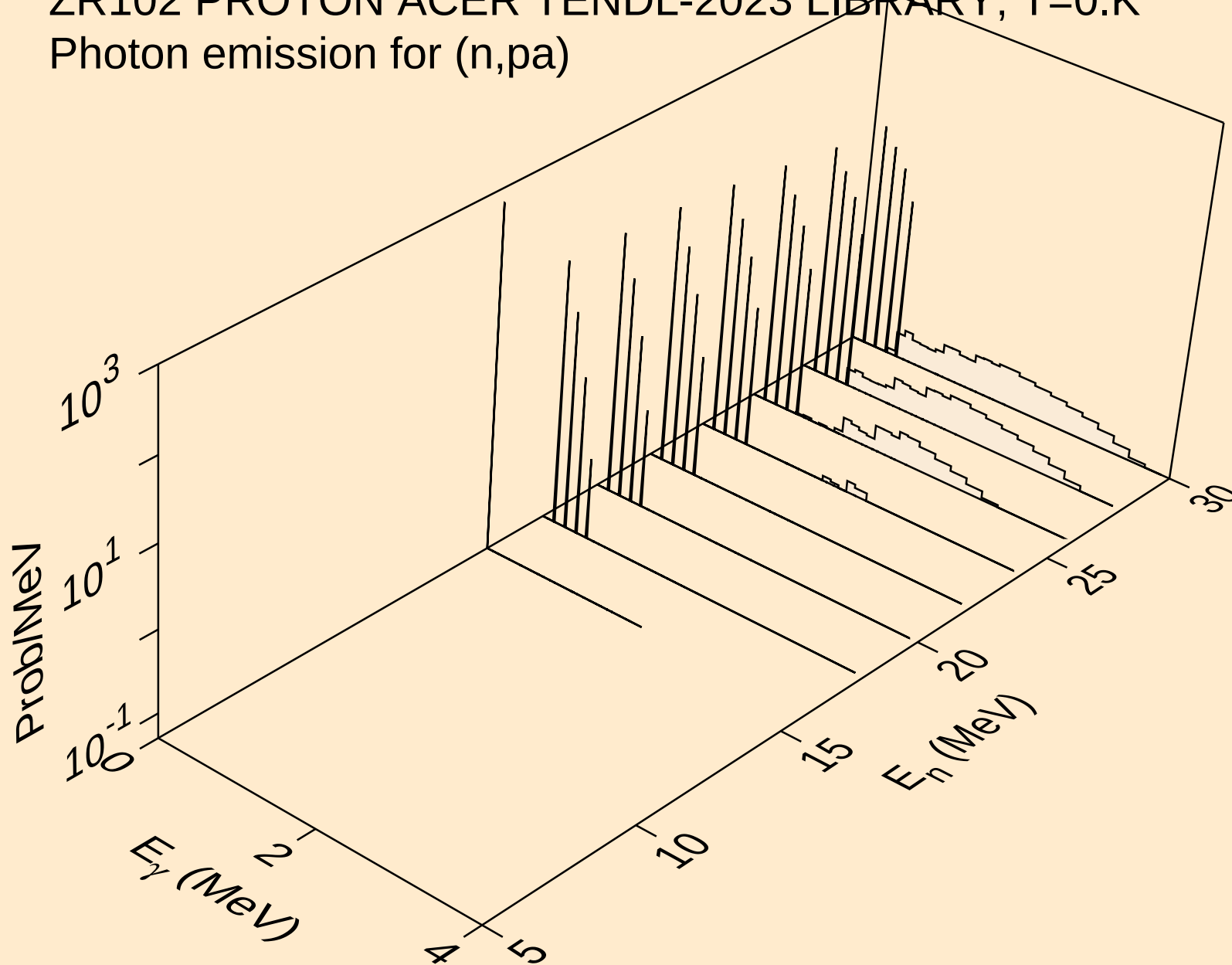


ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2p)



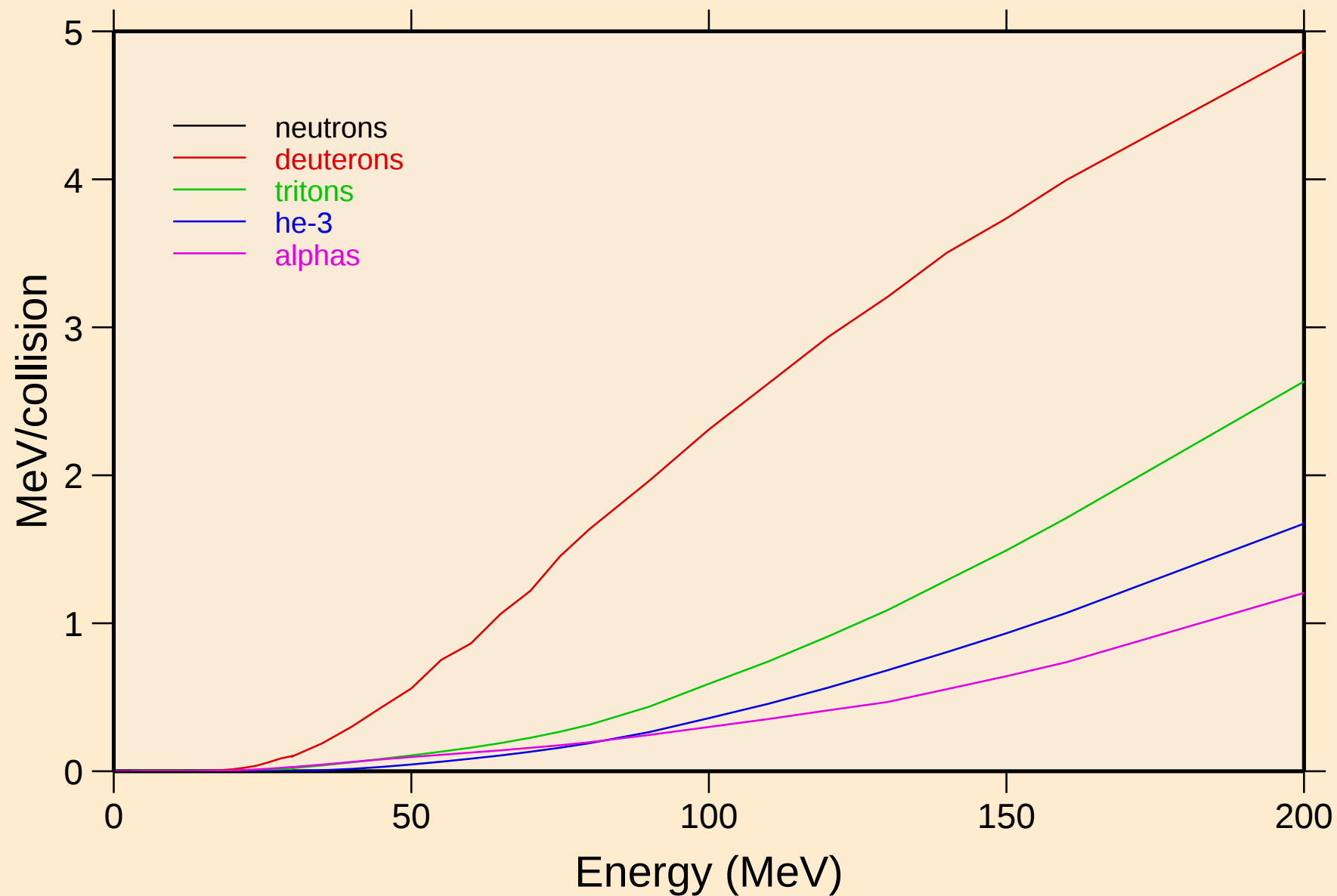
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p α)



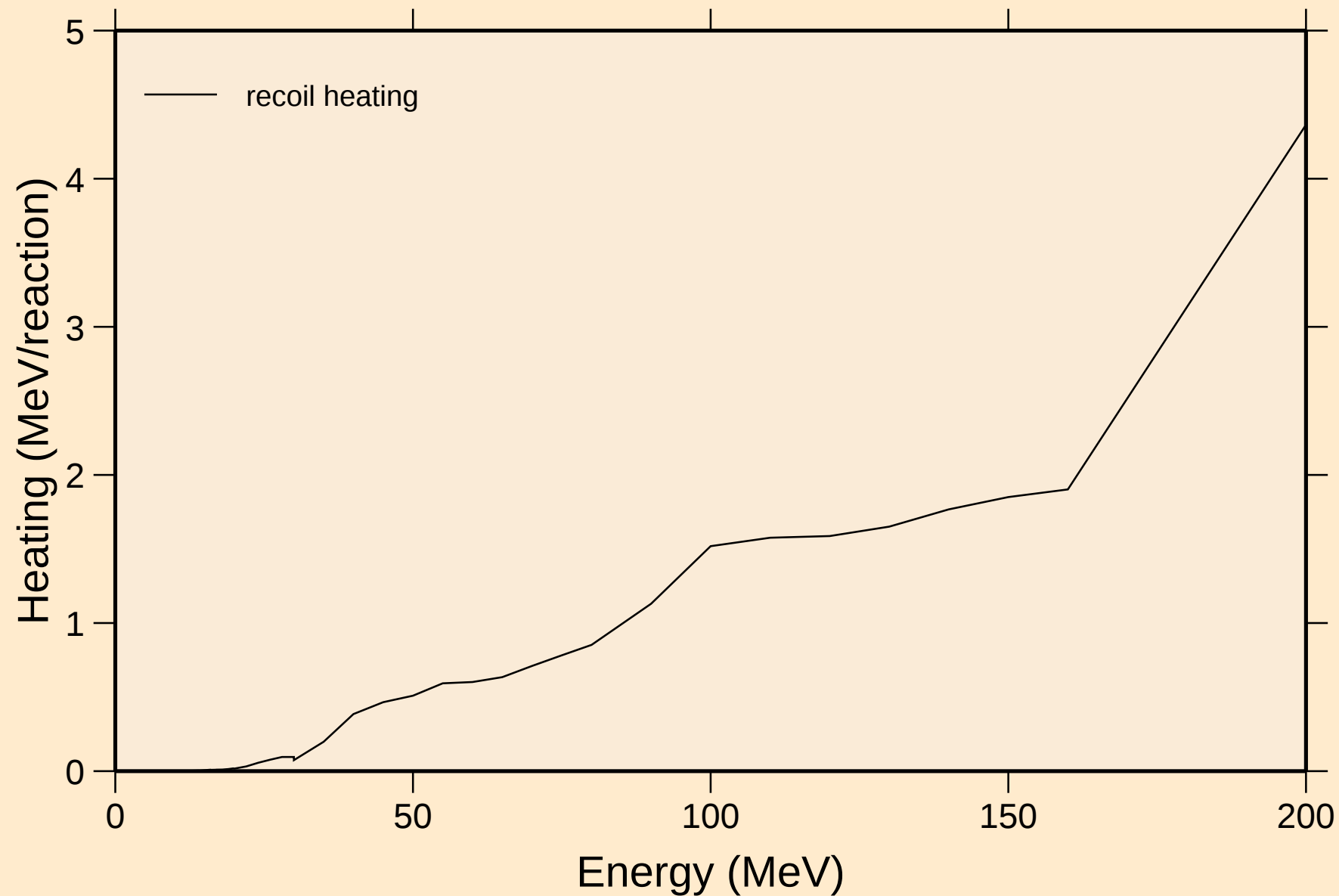
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Particle heating contributions



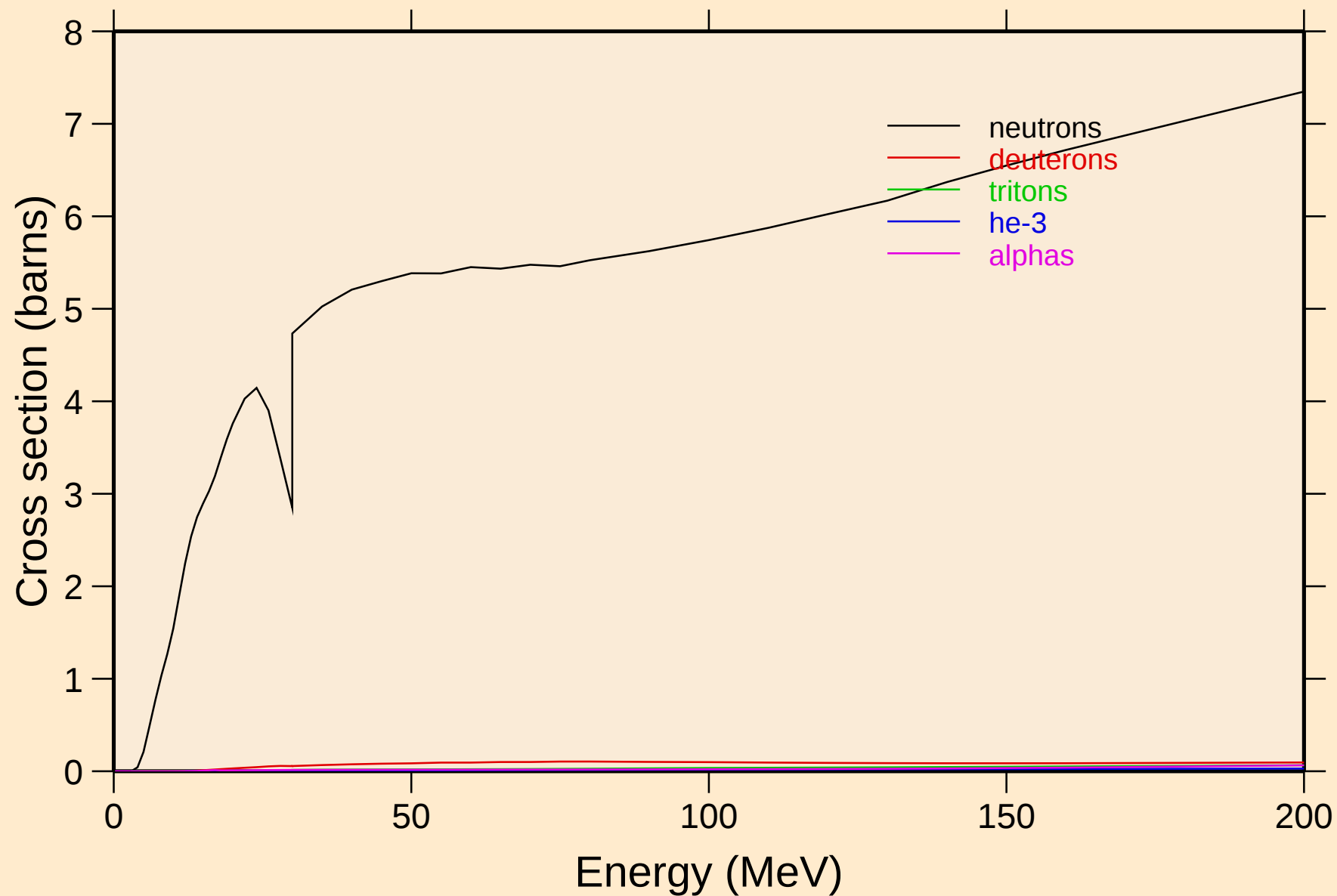
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

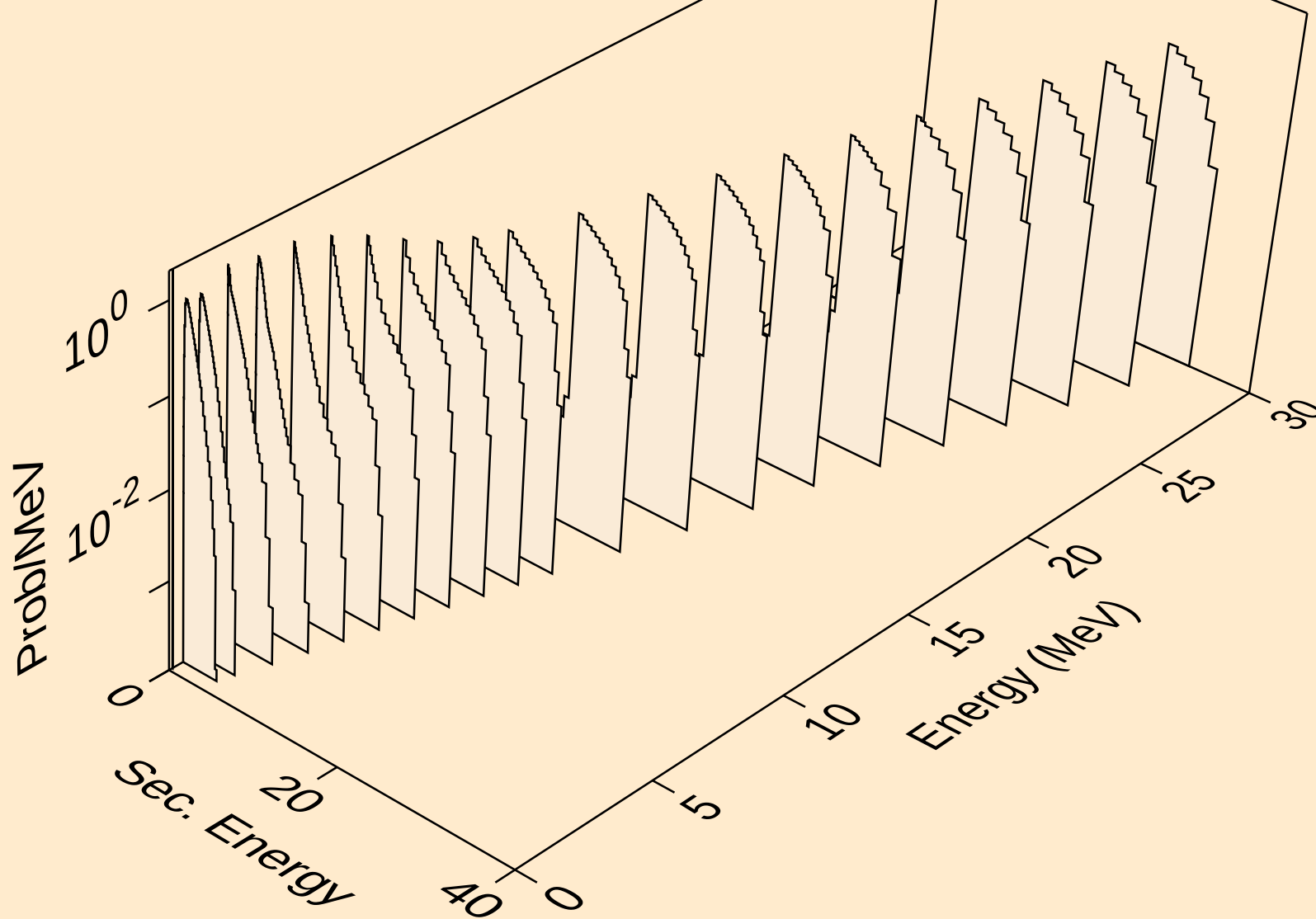


ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K

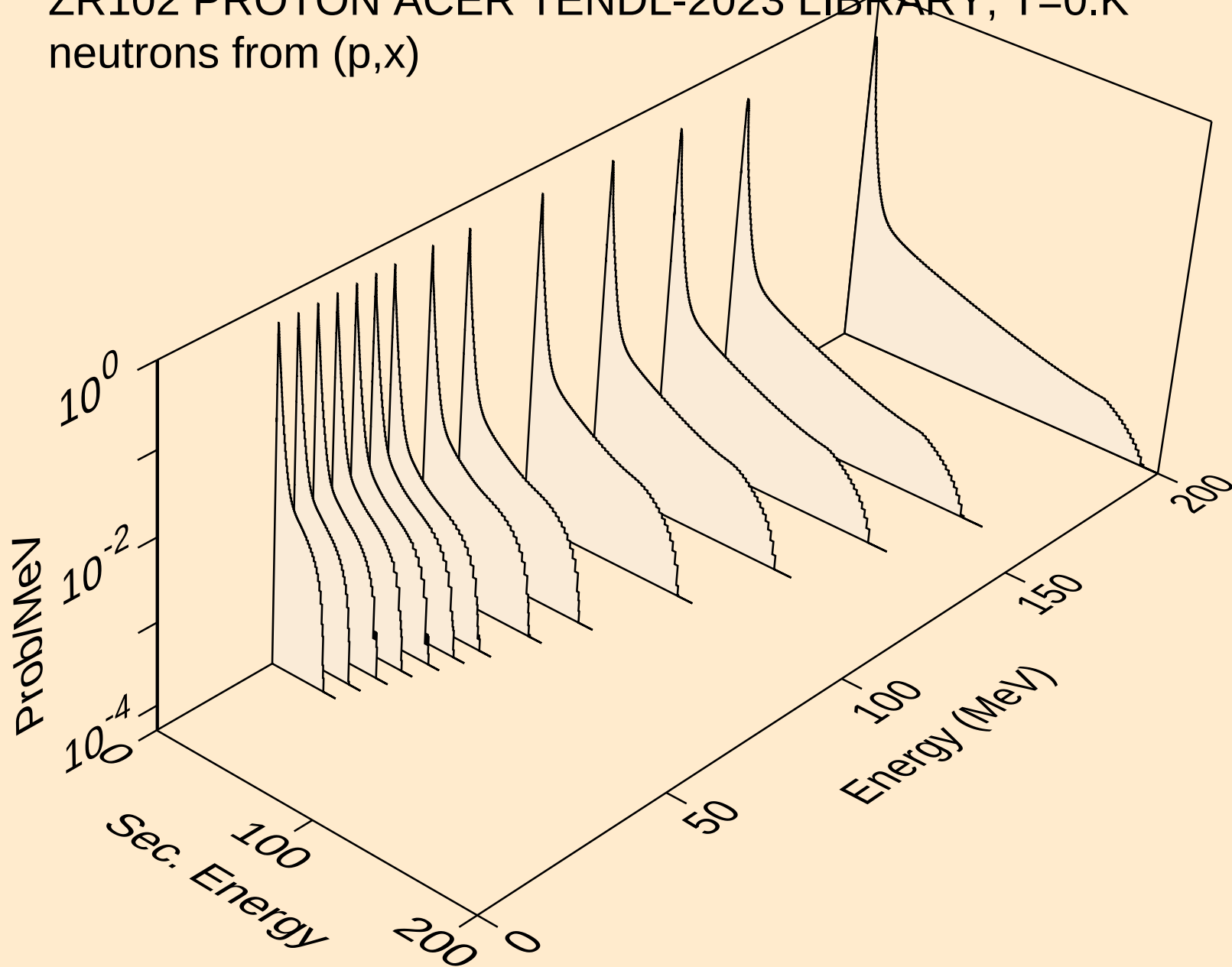
Particle production cross sections



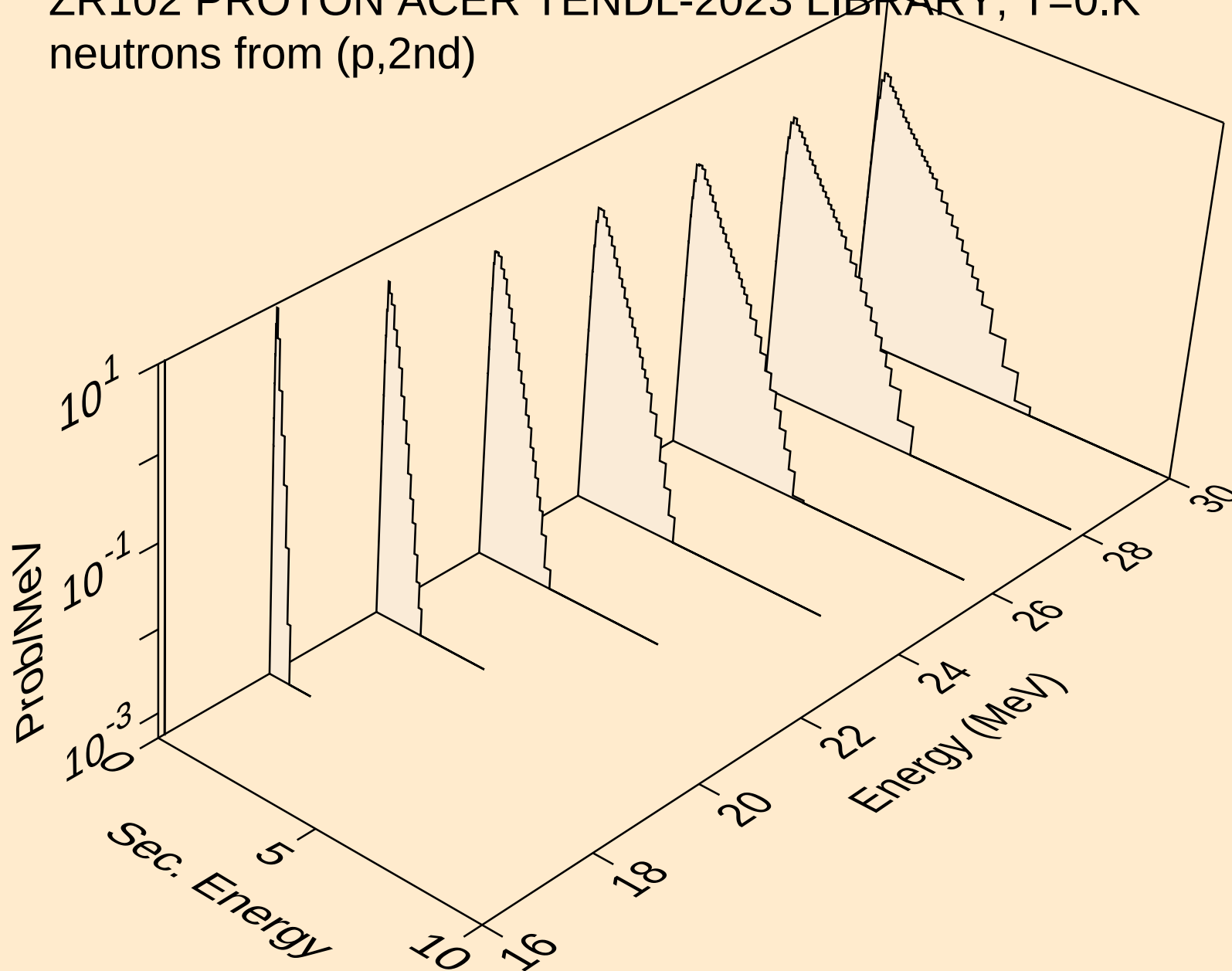
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



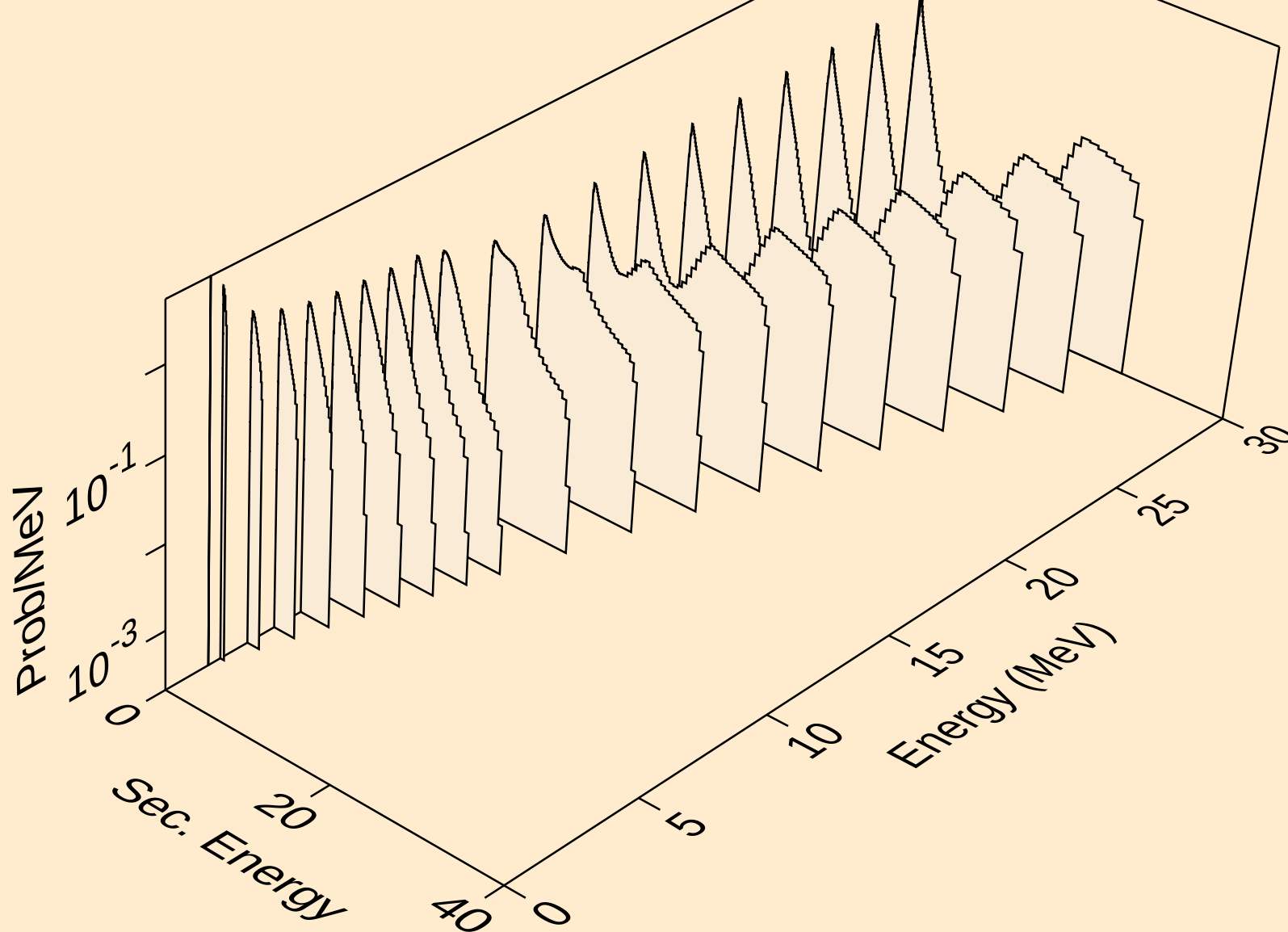
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neutrons from (p,x)



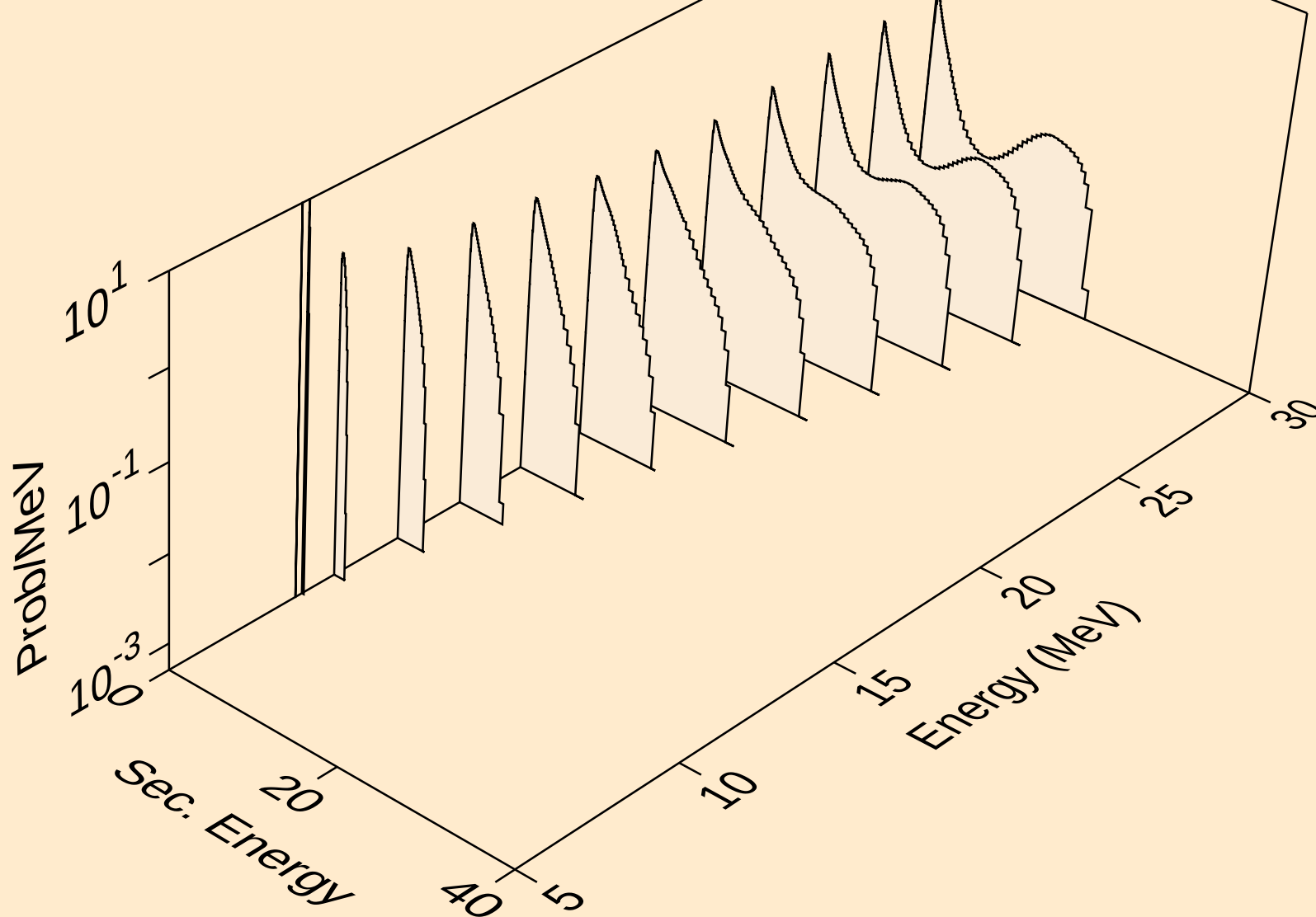
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2nd)



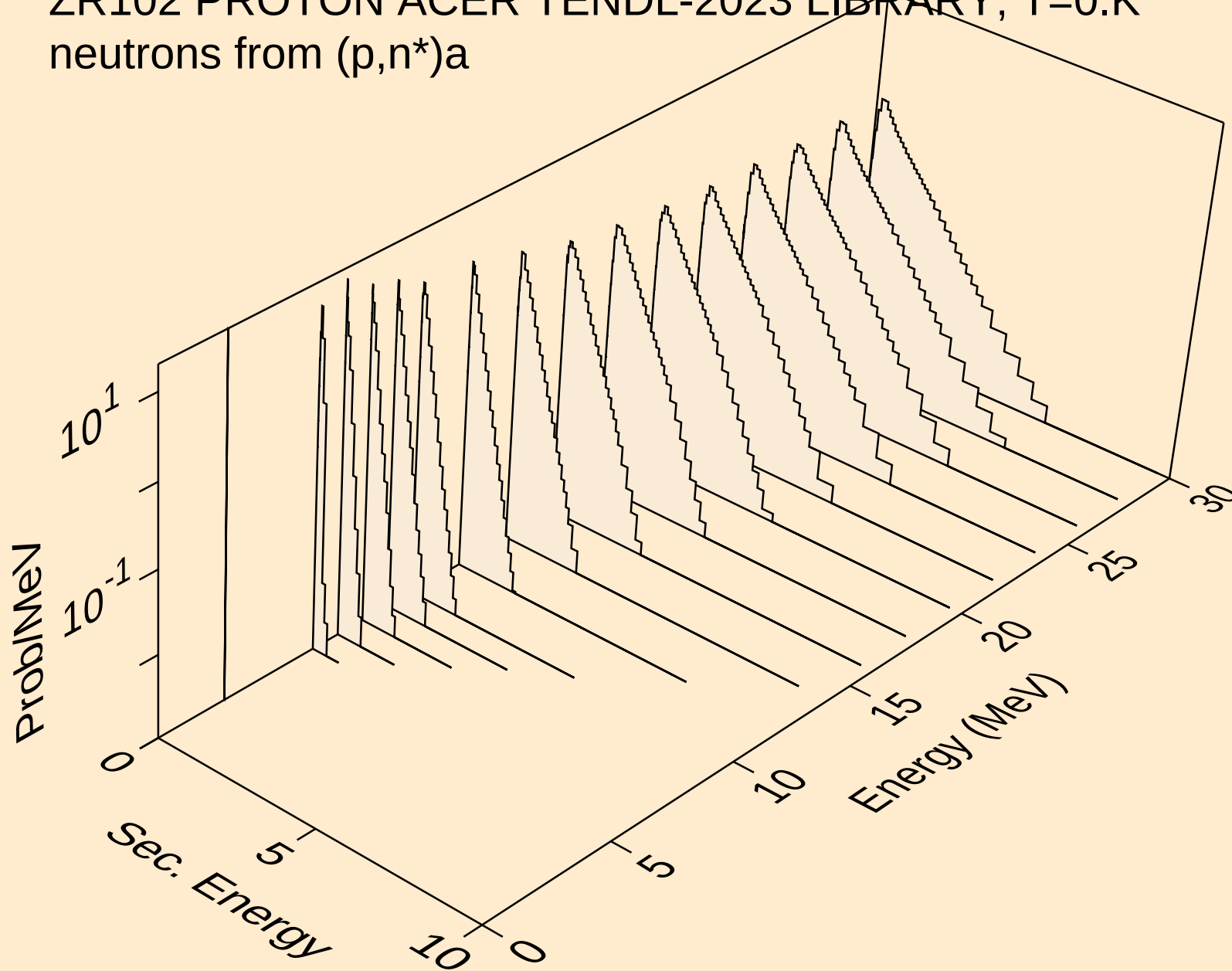
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



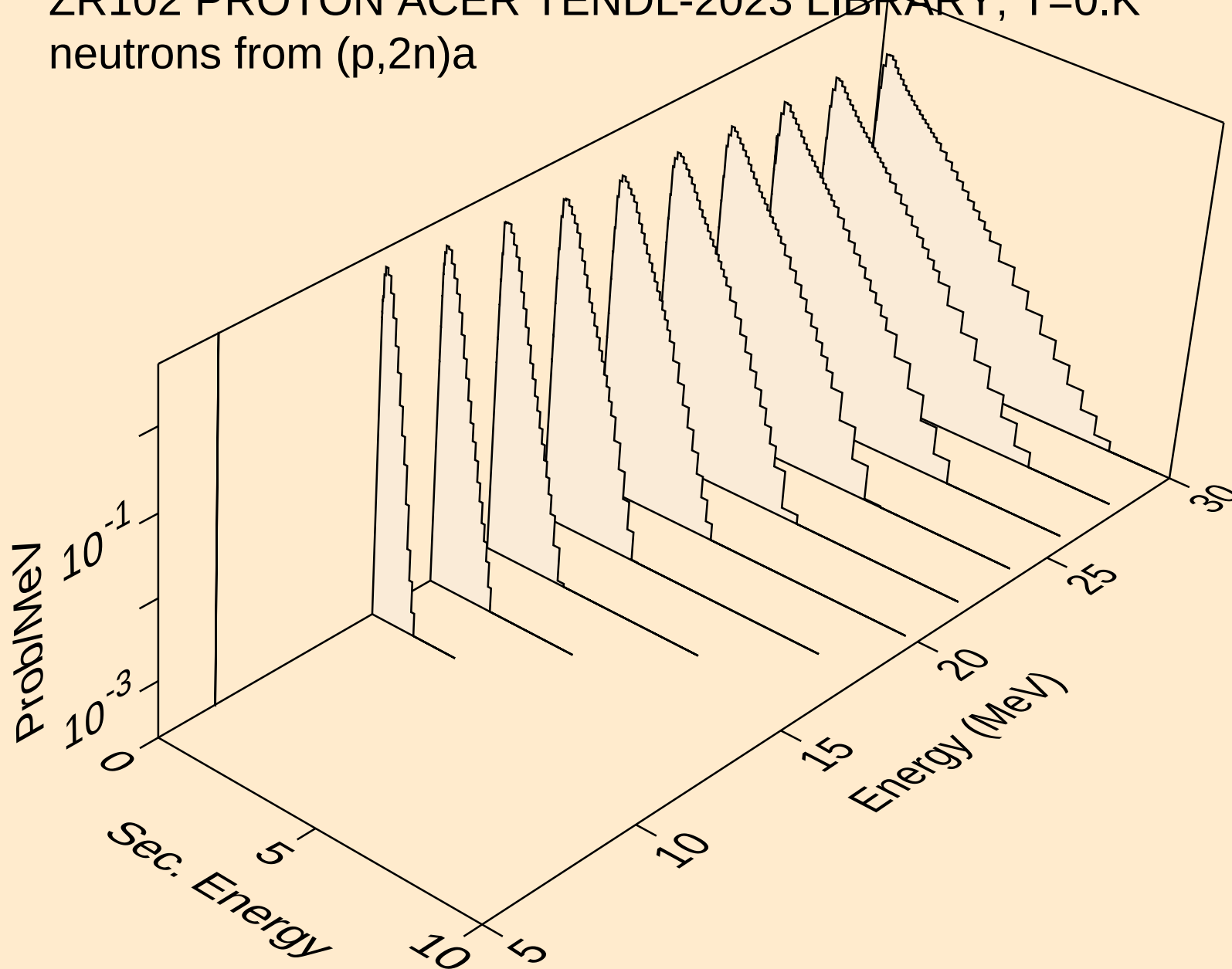
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)



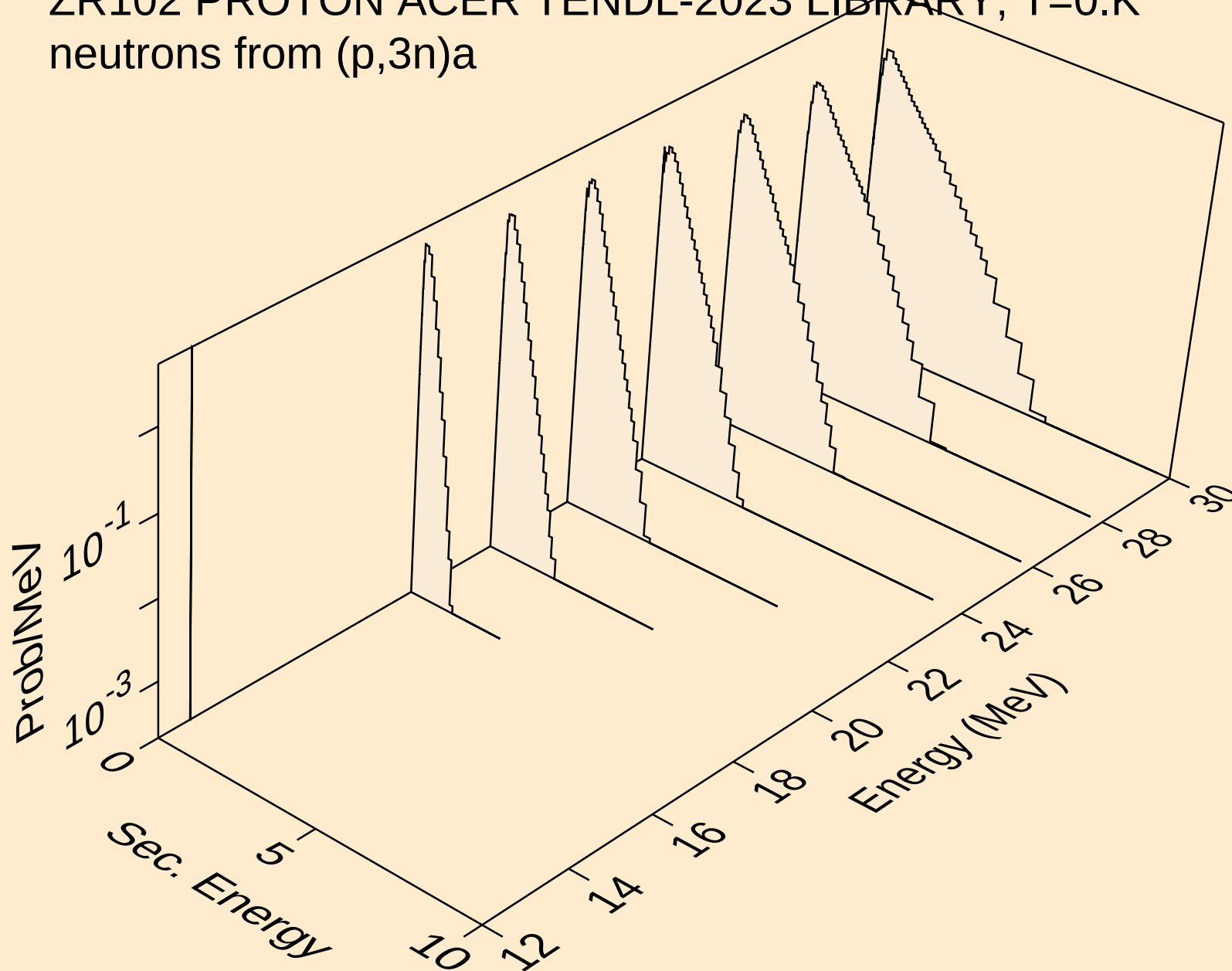
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



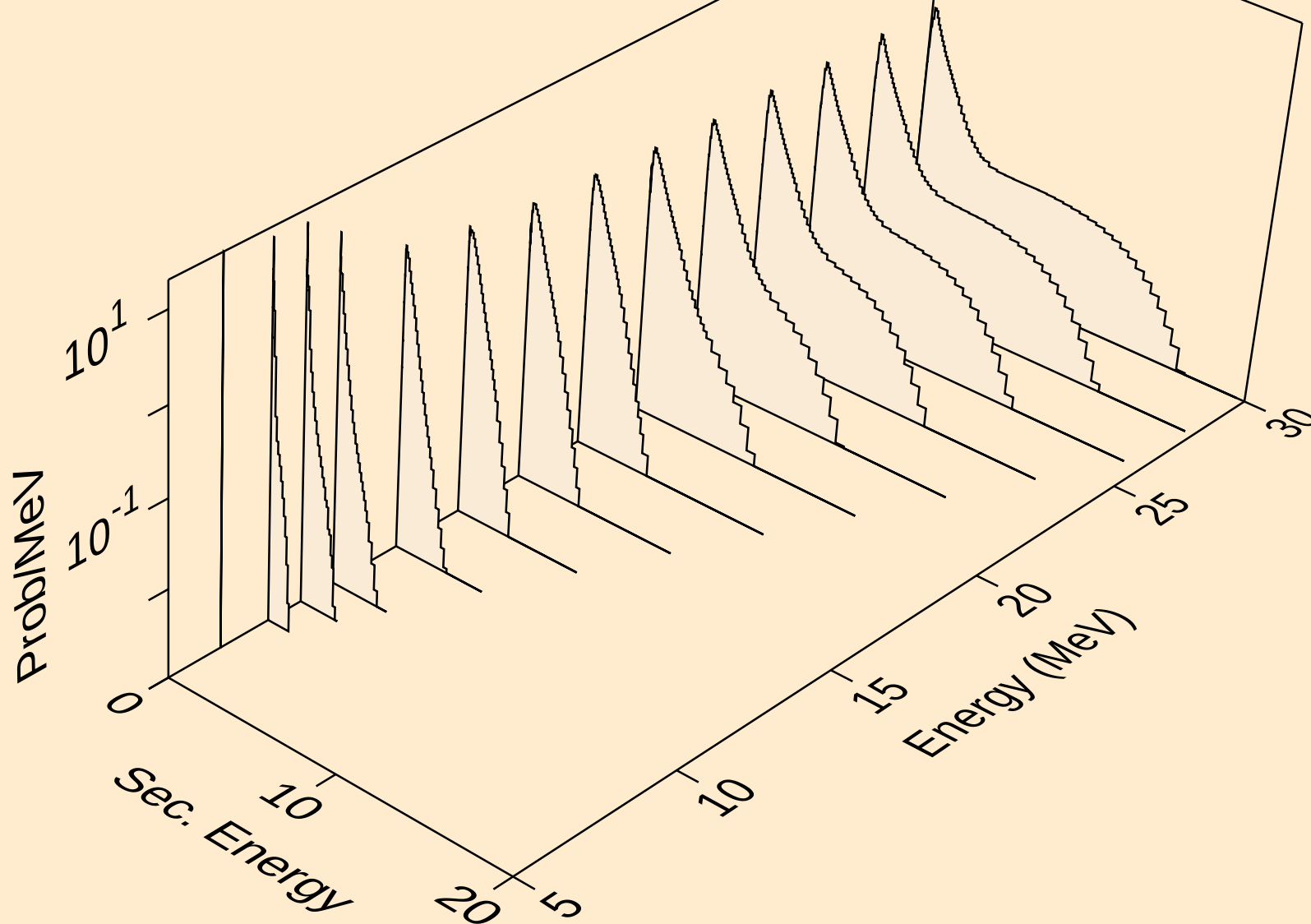
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



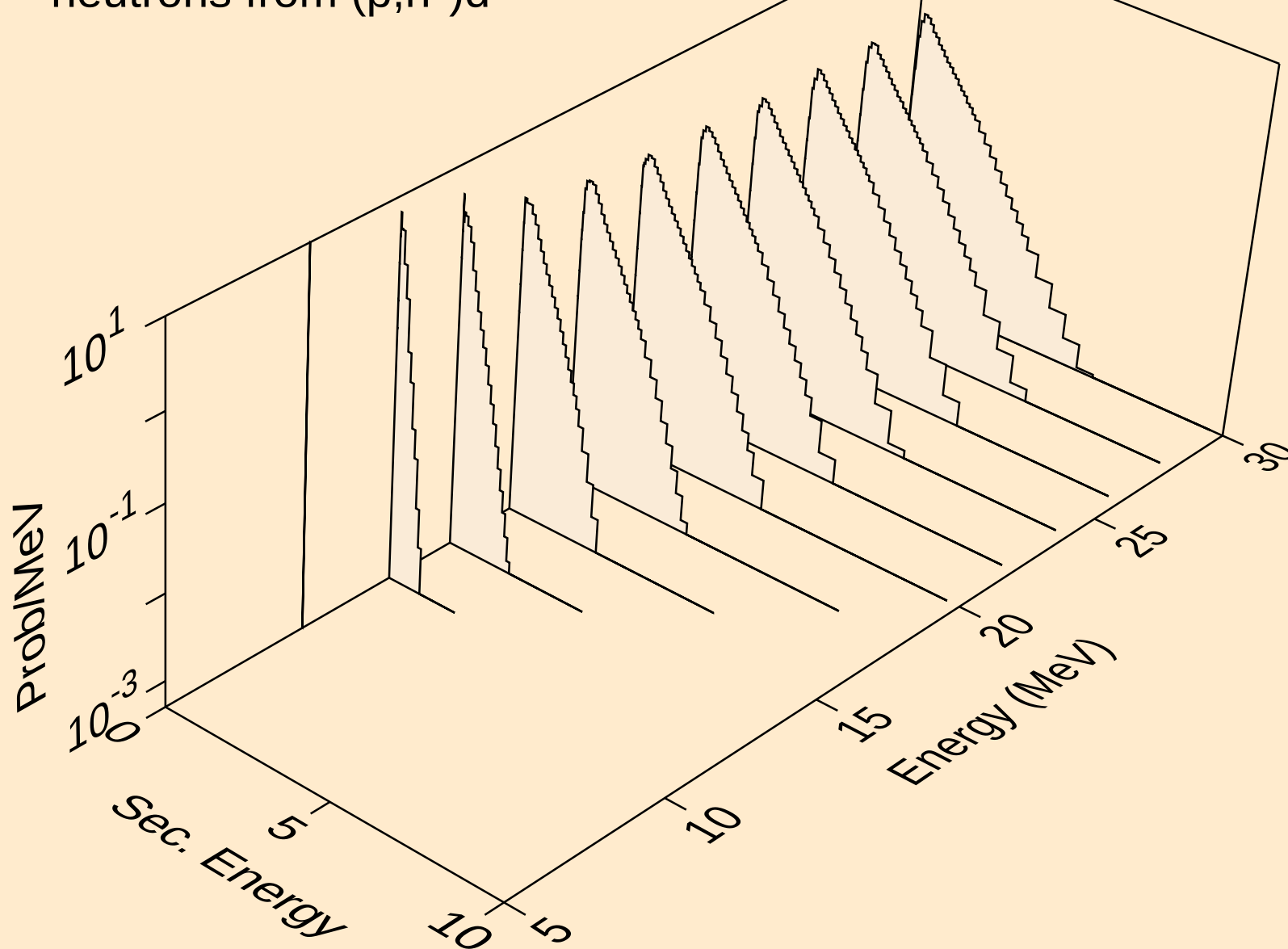
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)a



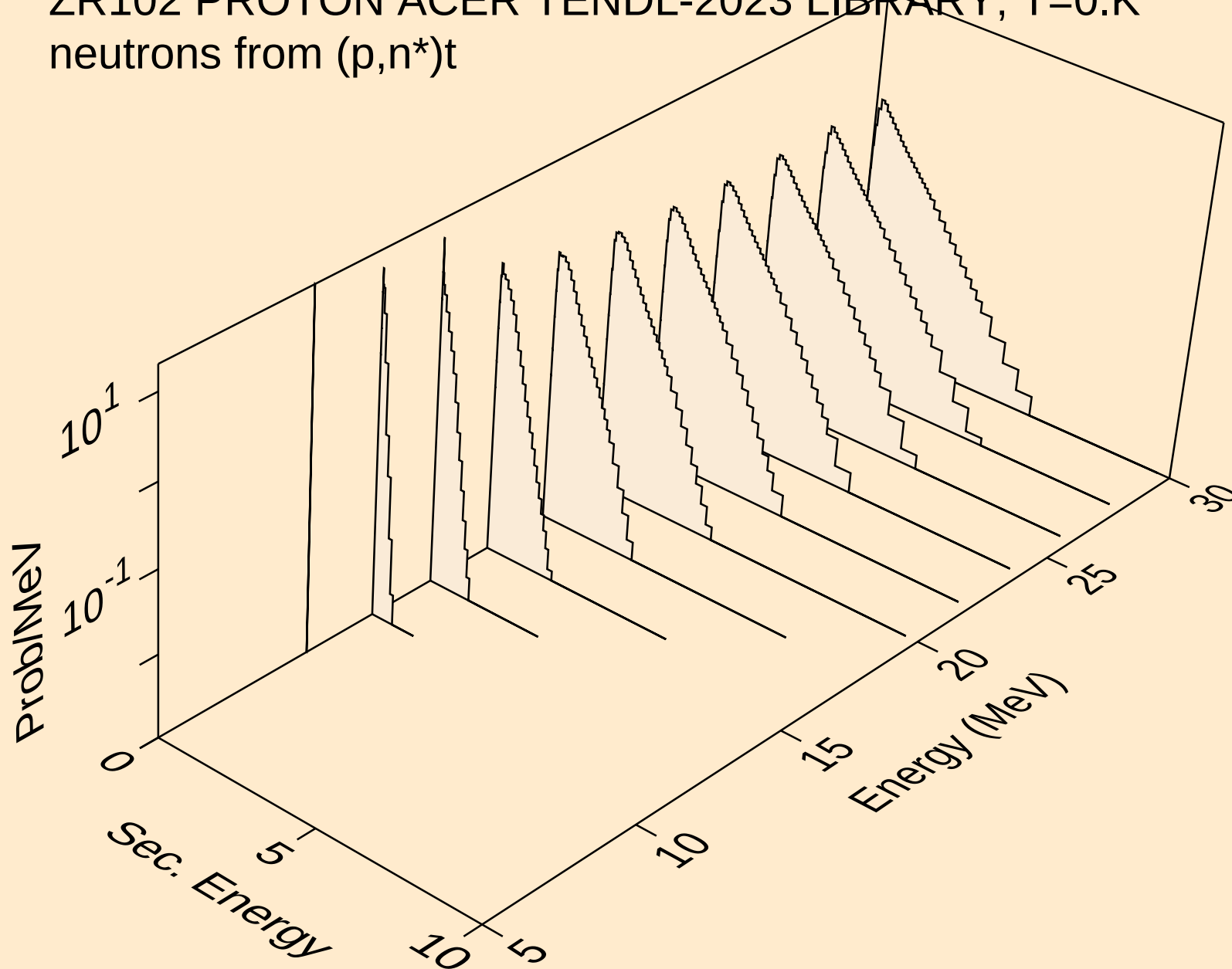
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p



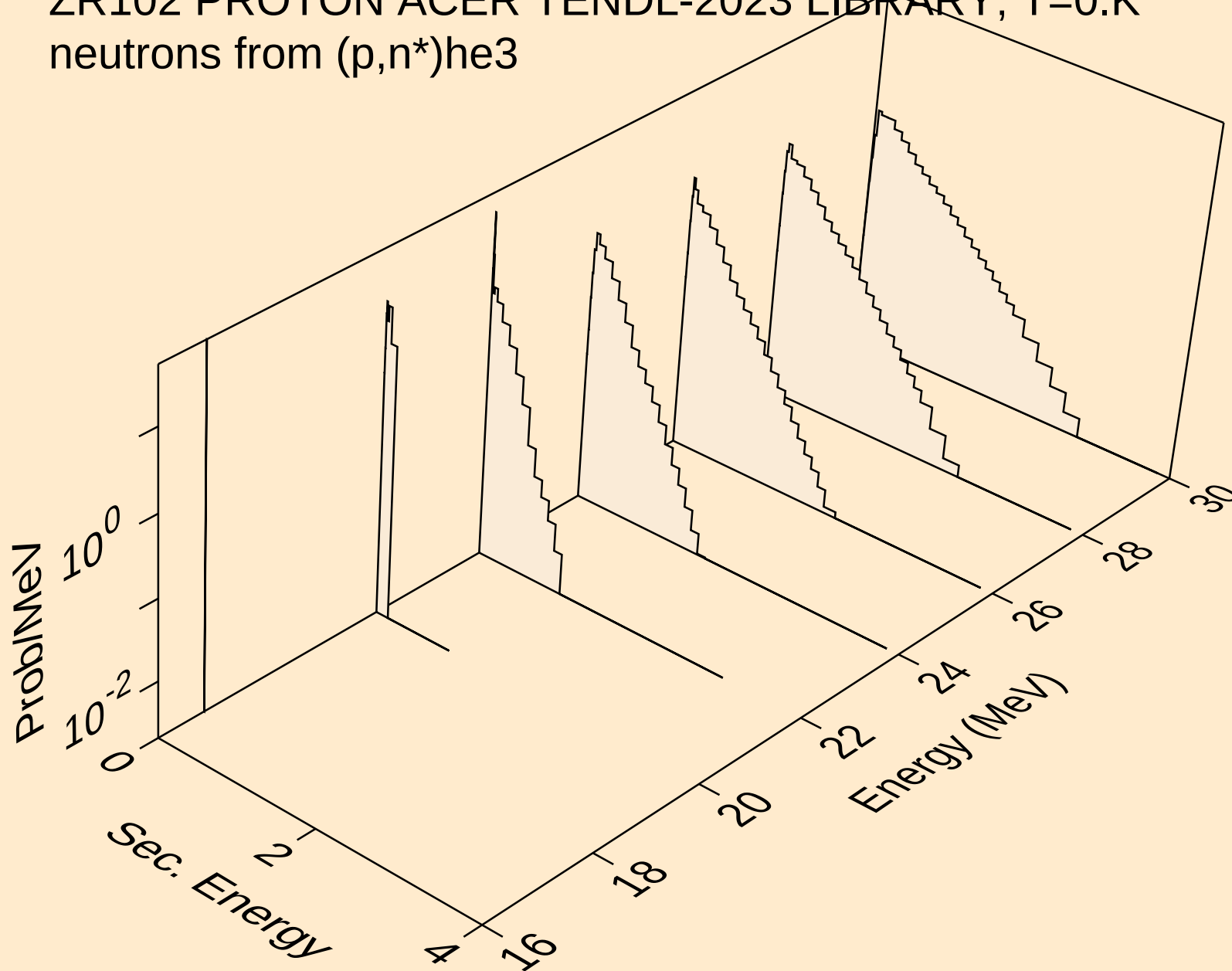
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d



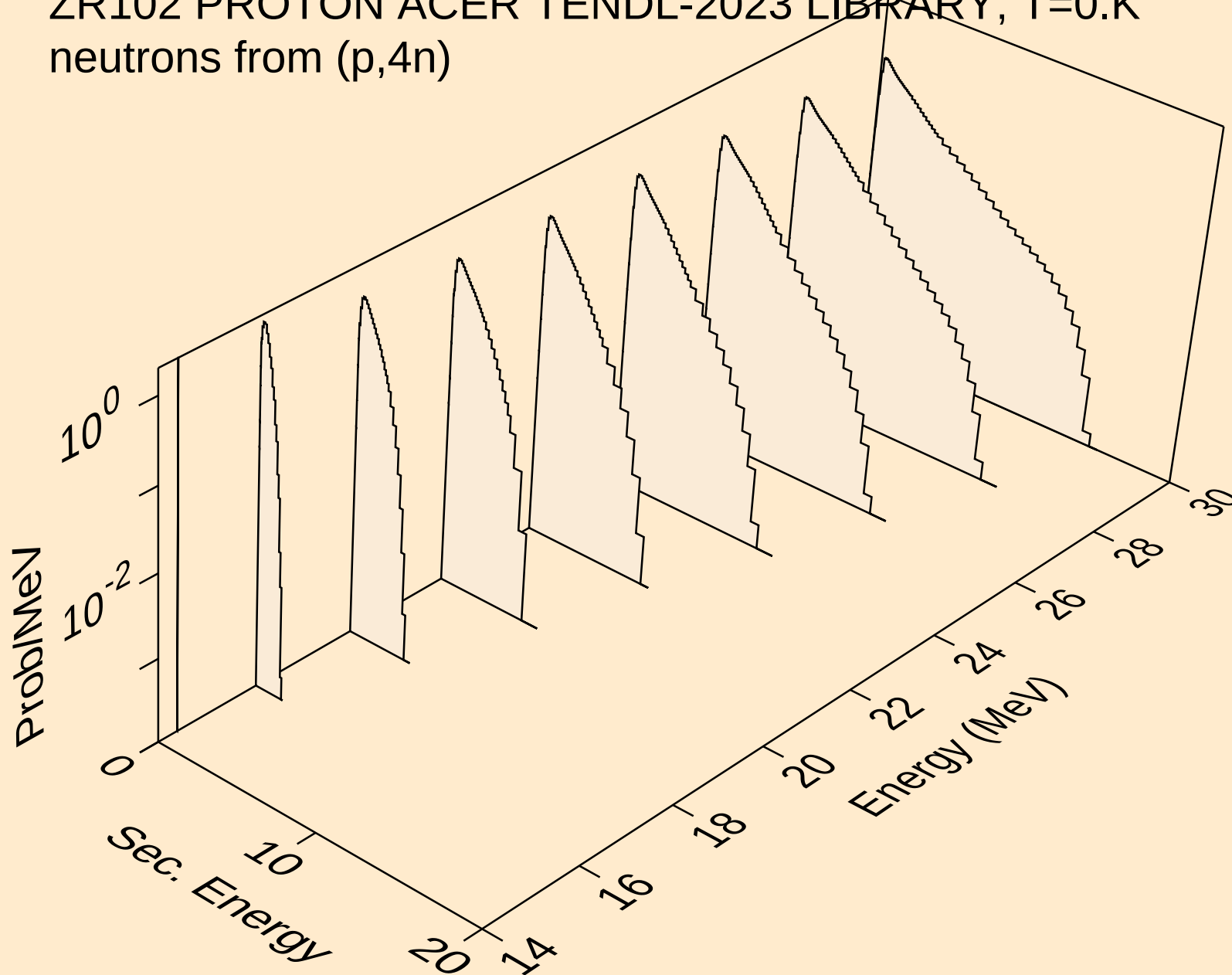
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)t



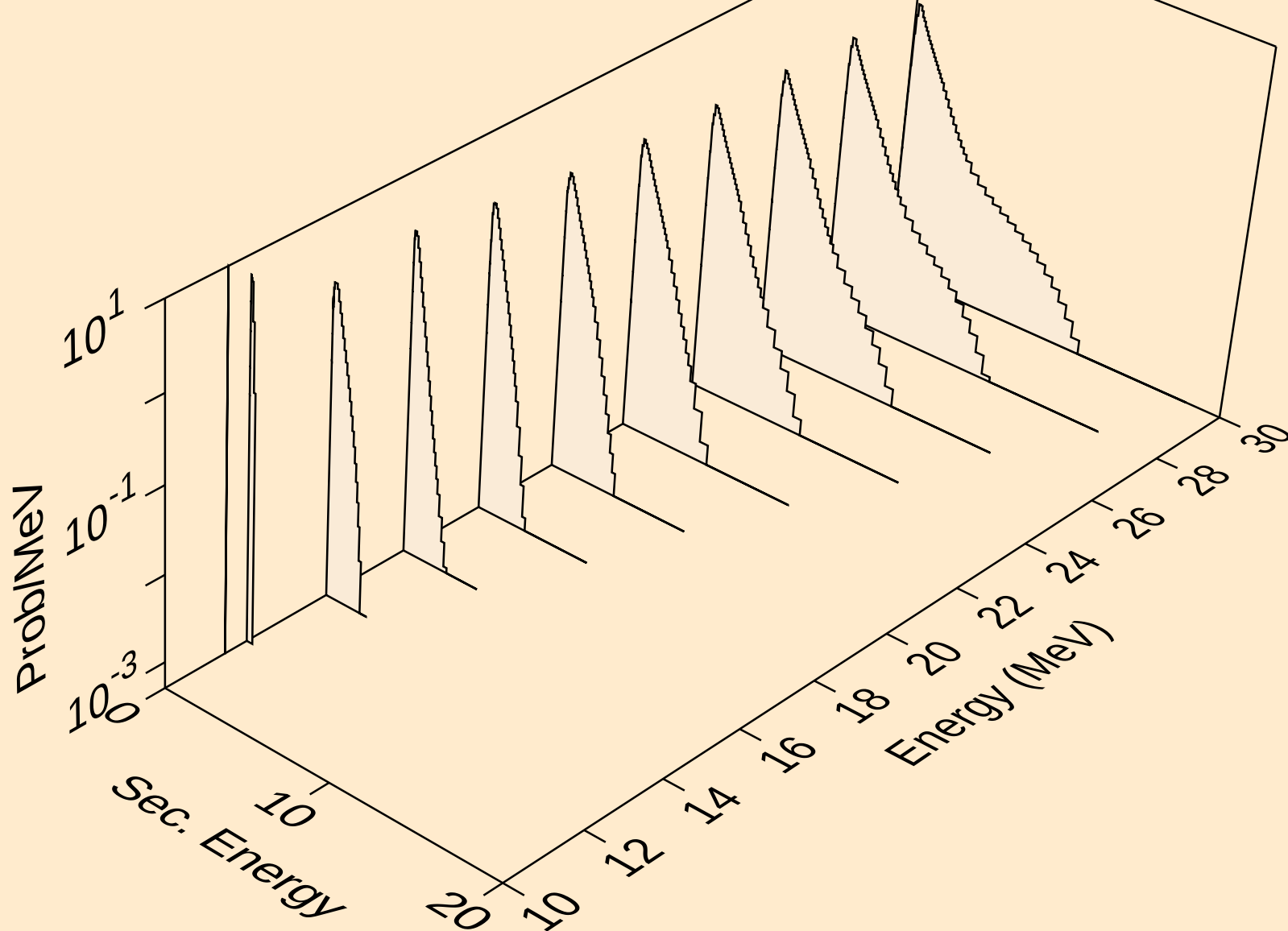
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



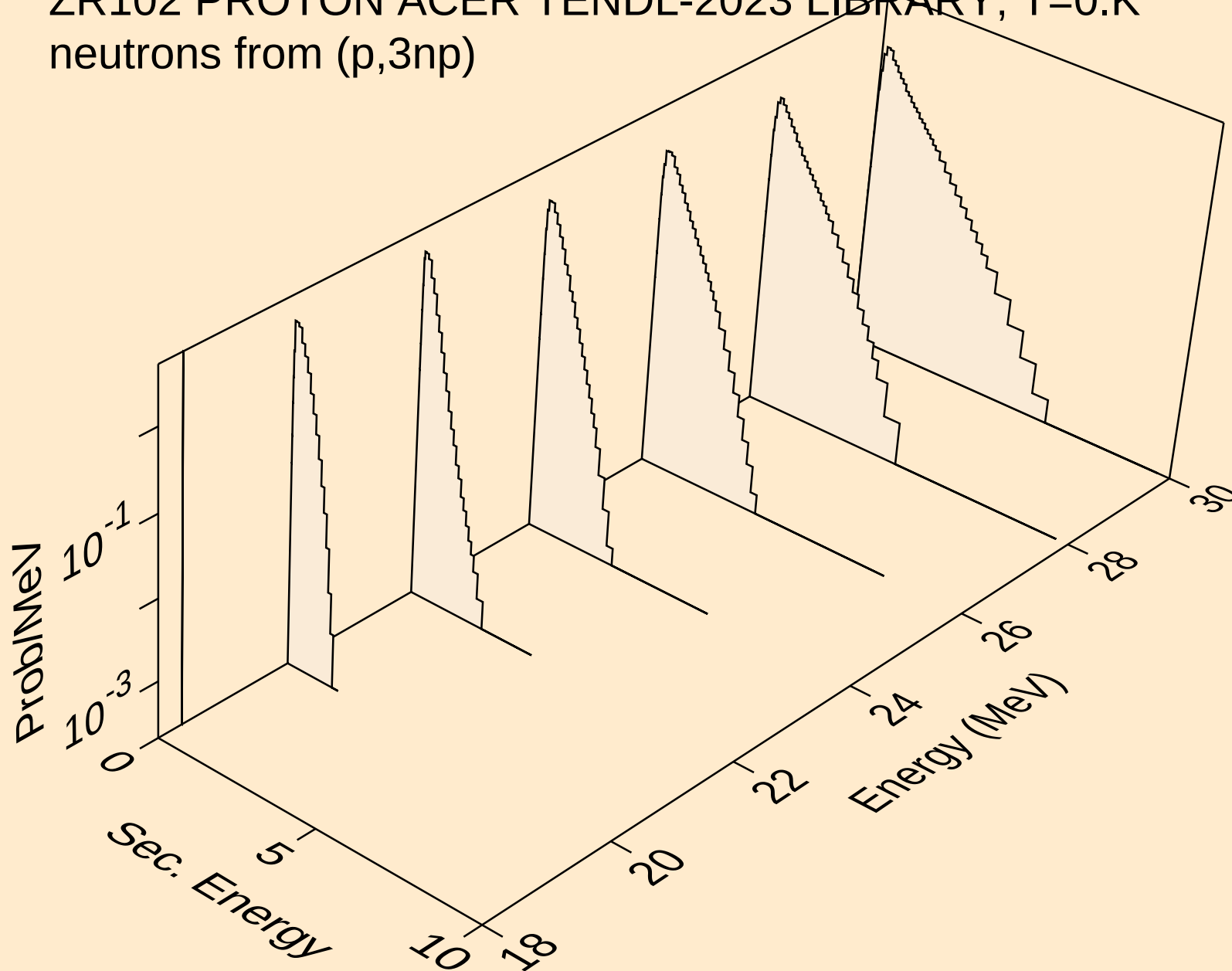
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,4n)



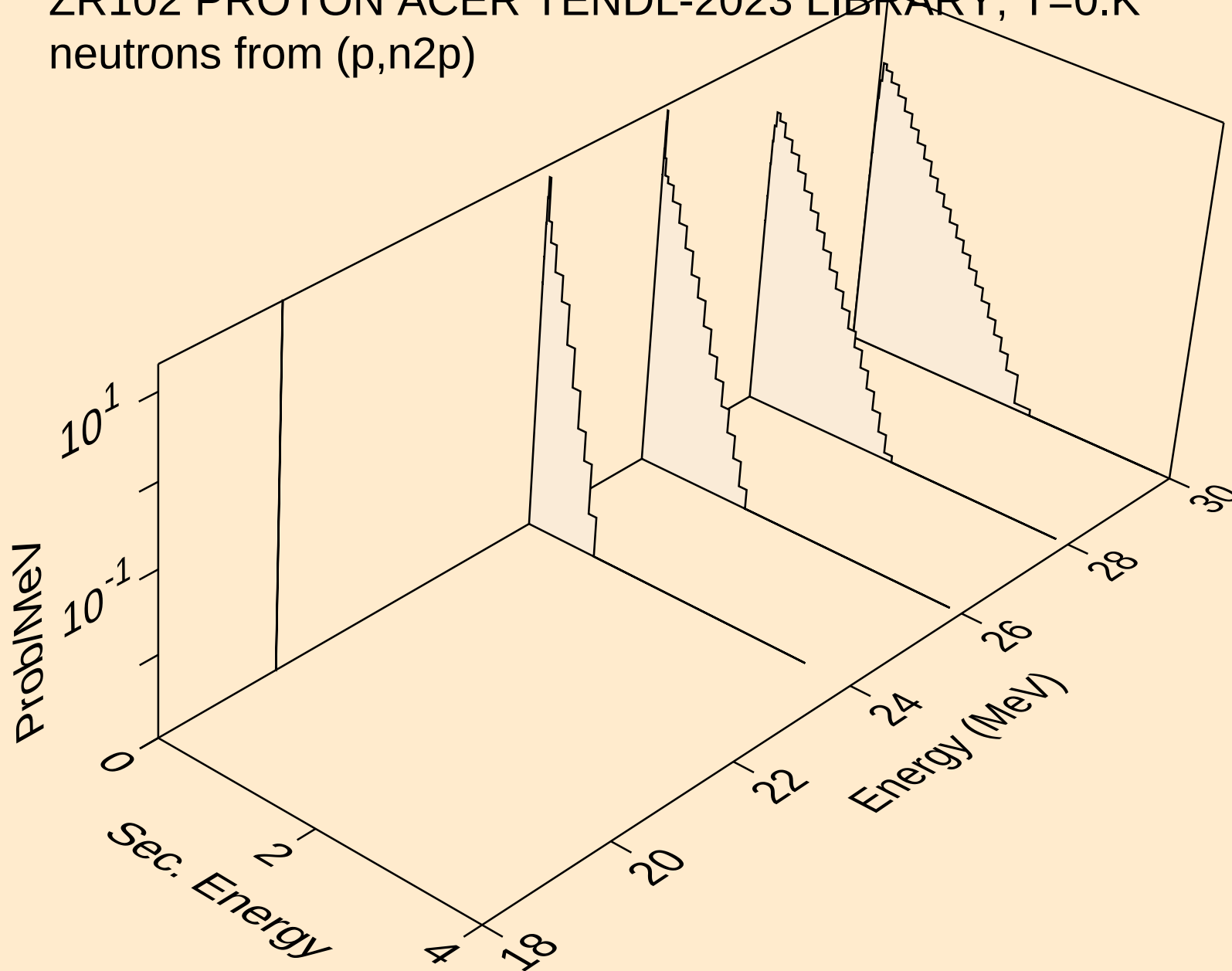
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neutrons from (p,2np)



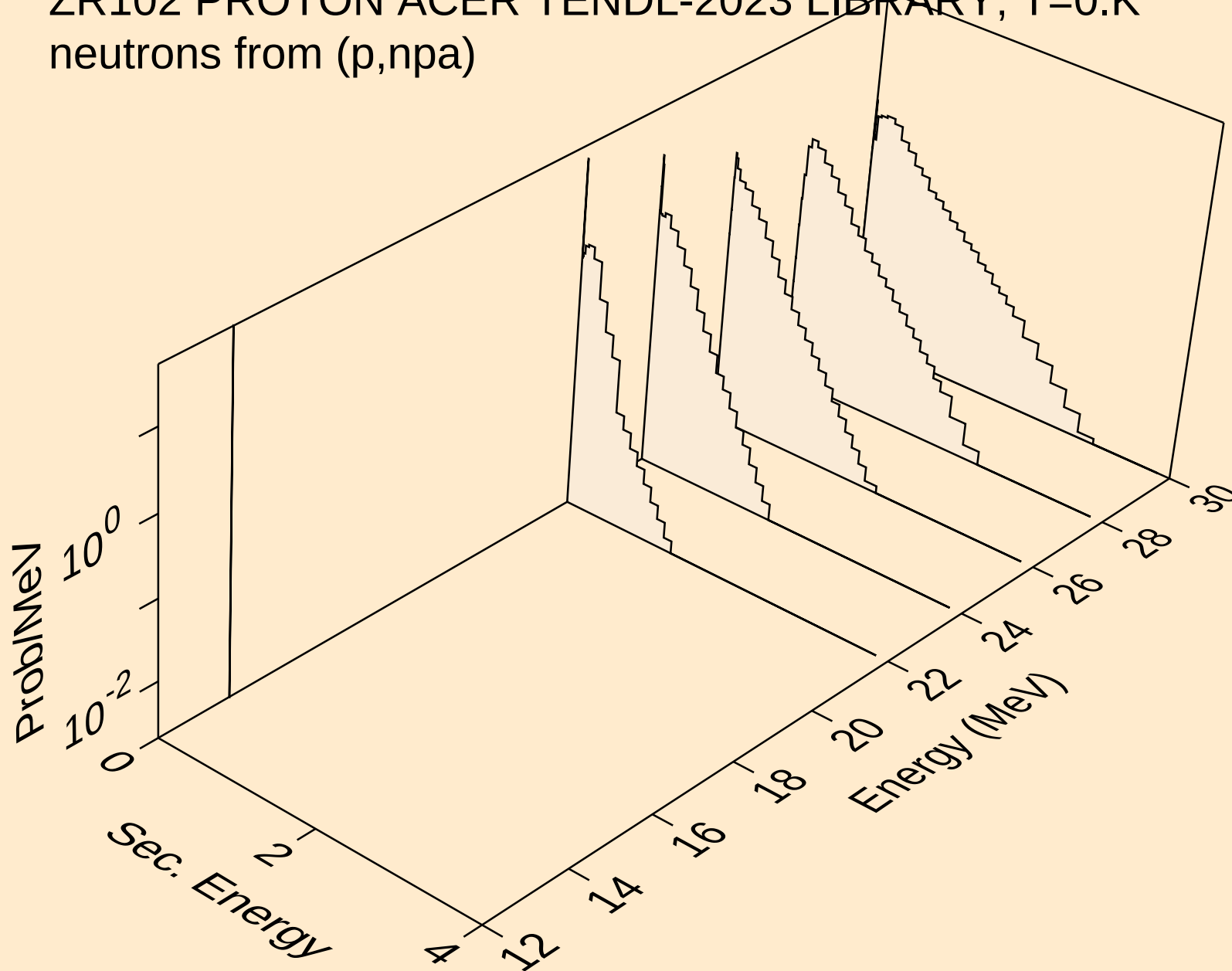
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neutrons from (p,3np)



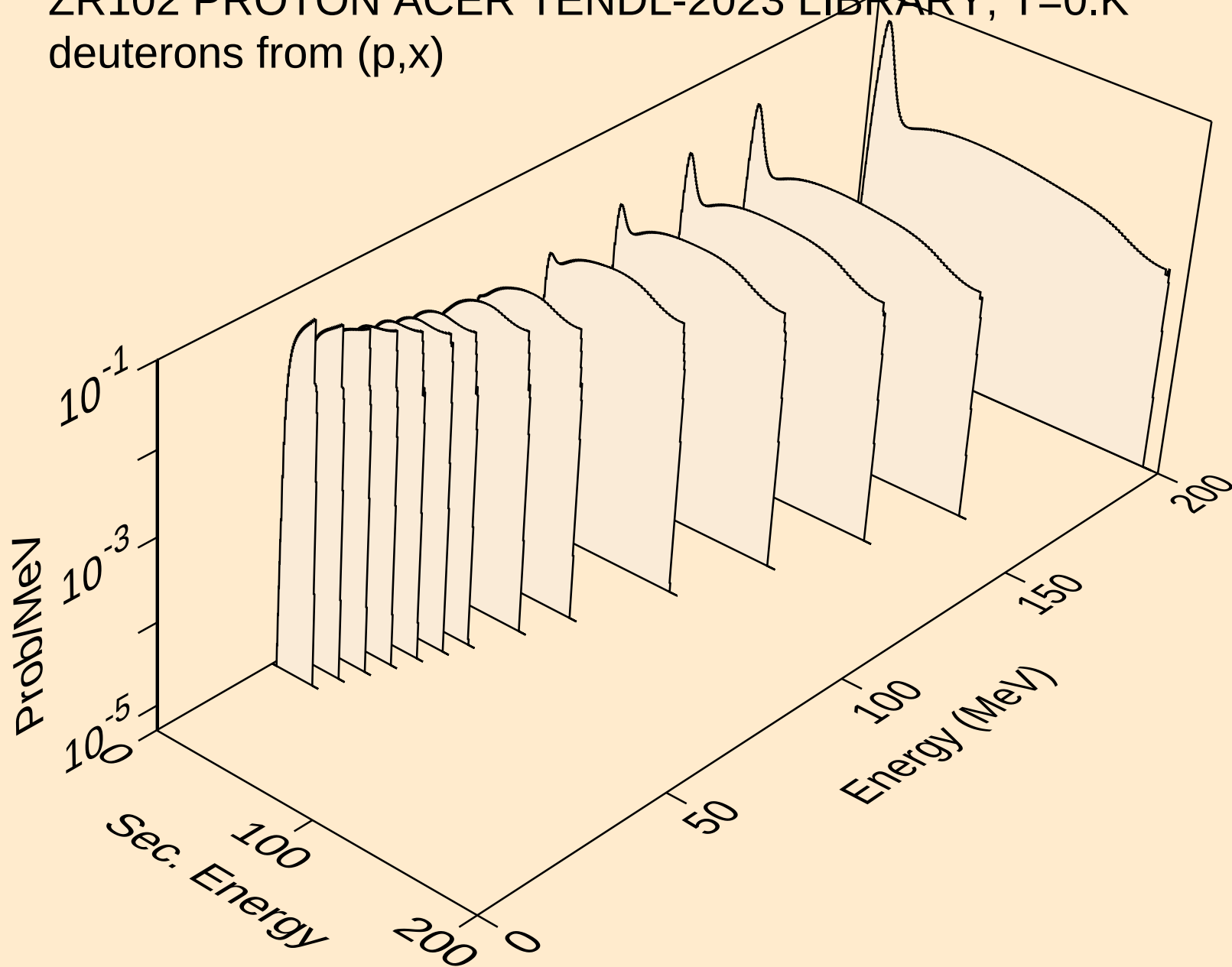
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neutrons from (p,n2p)



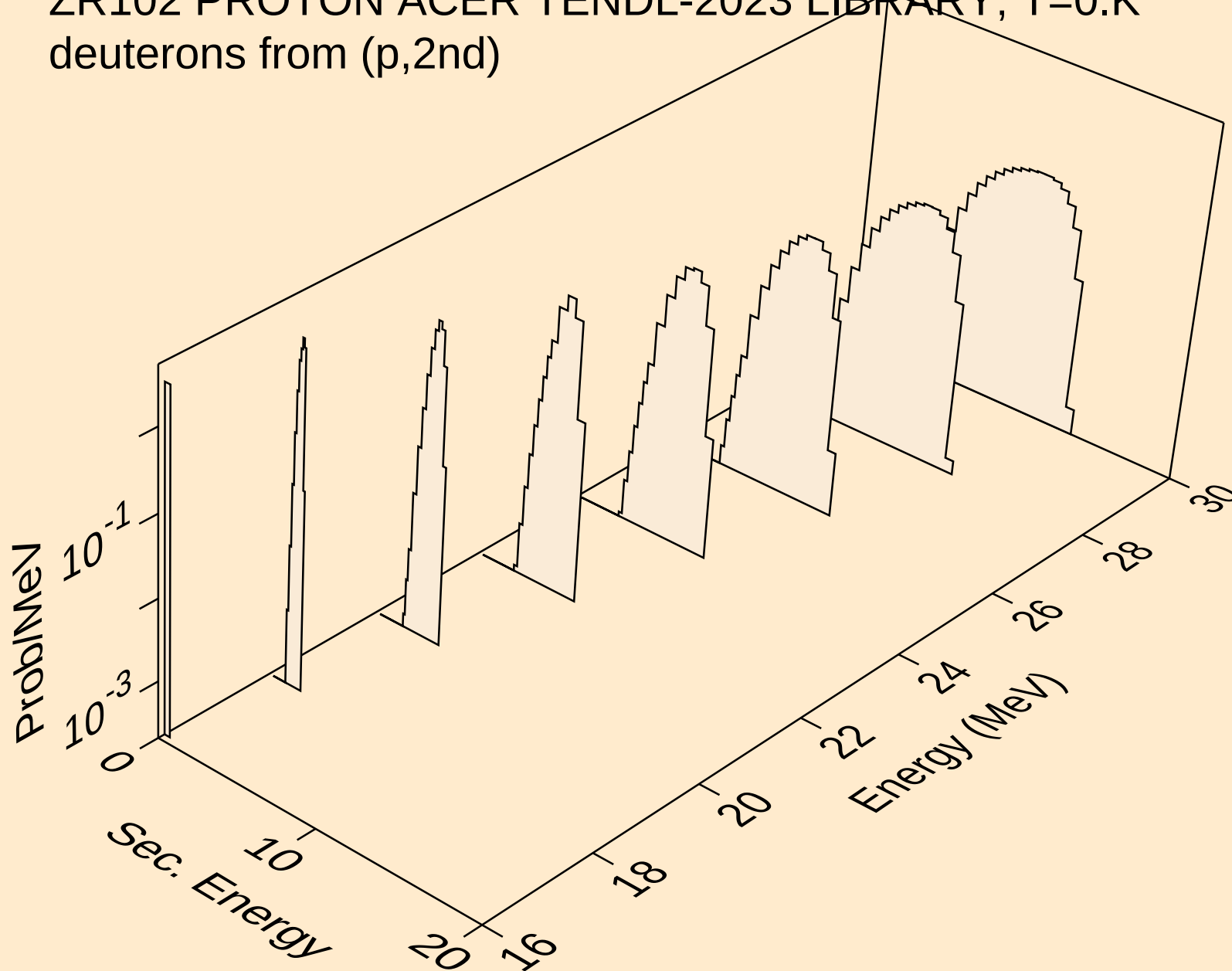
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neutrons from (p,npa)



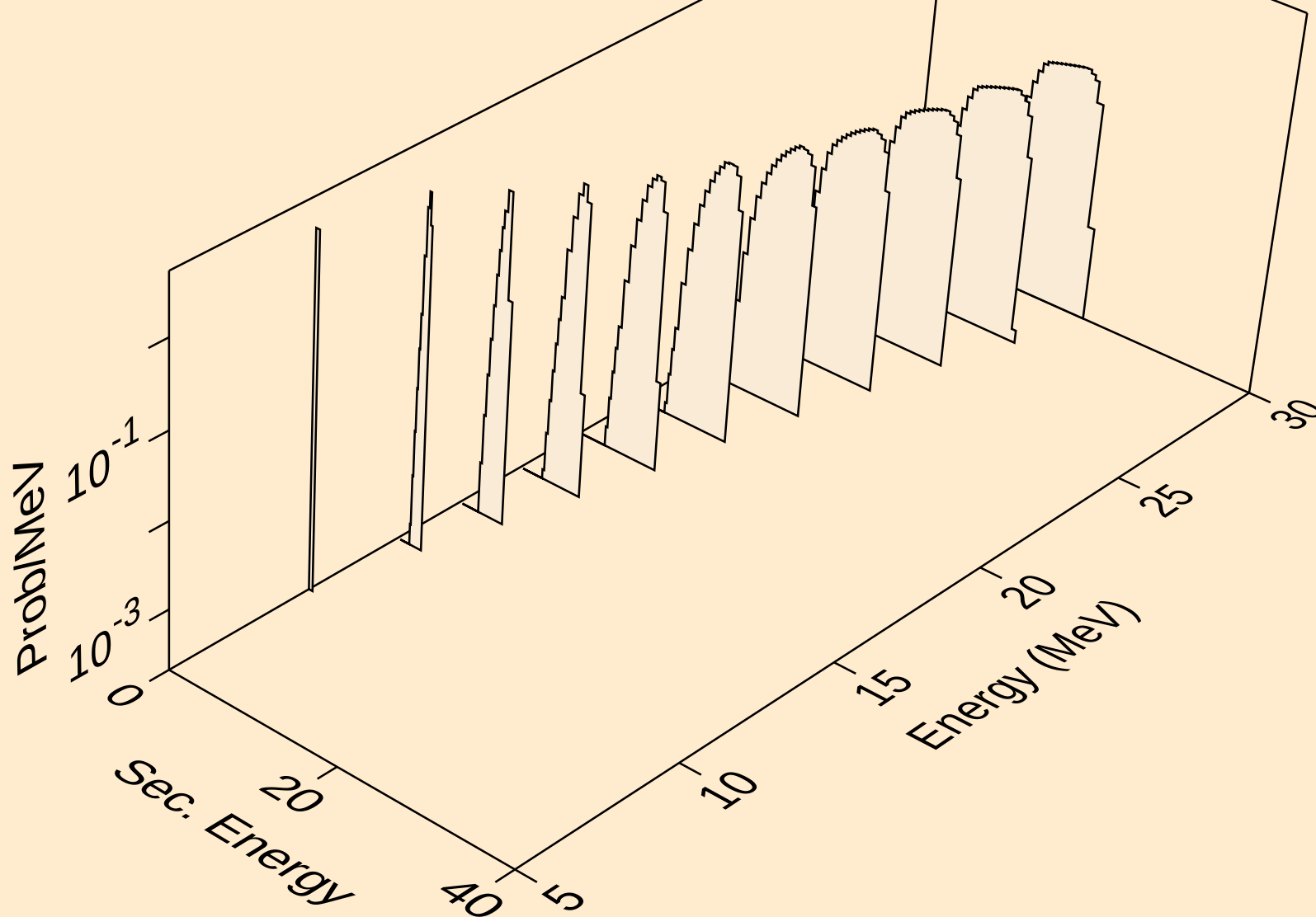
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)



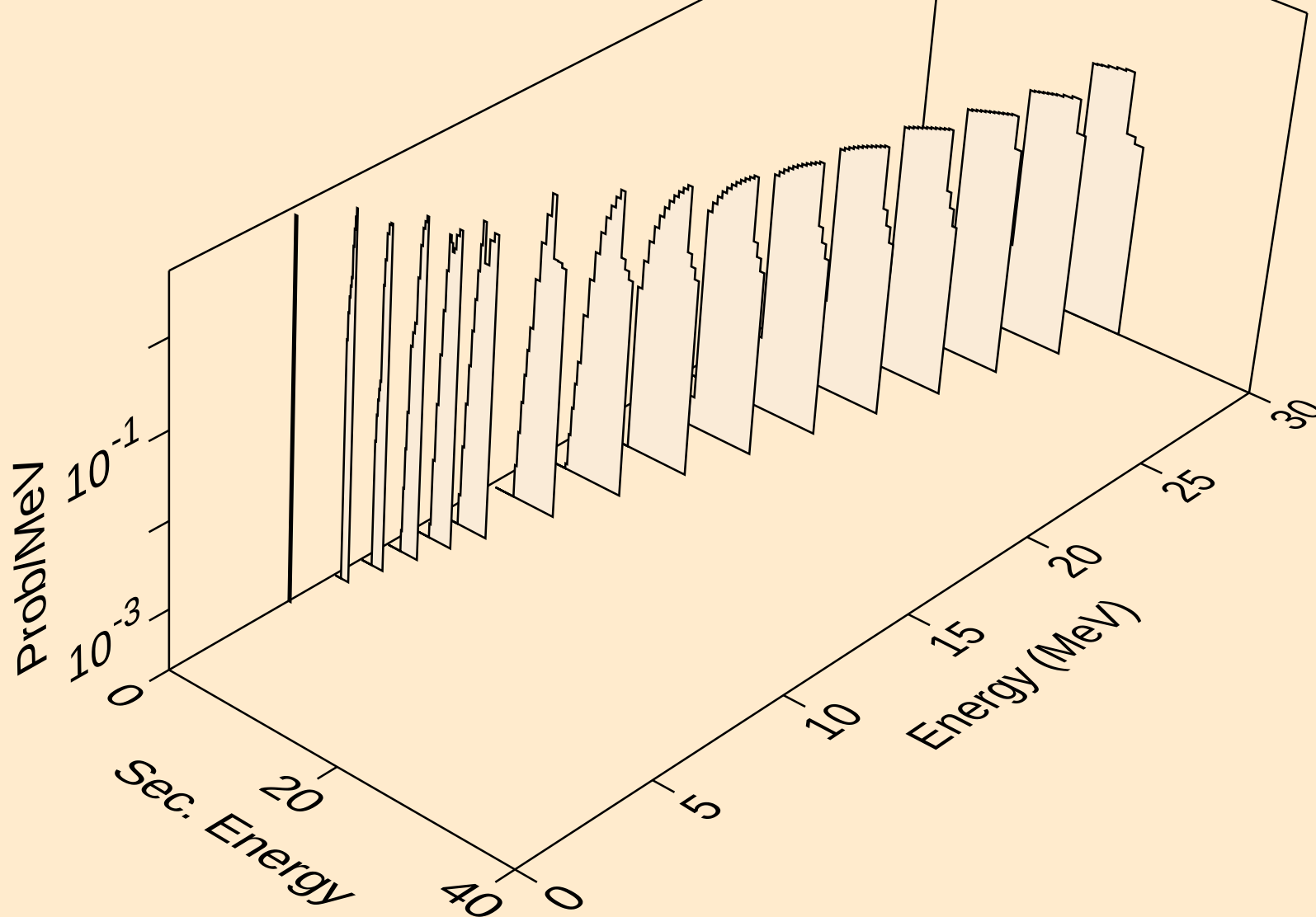
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,2nd)



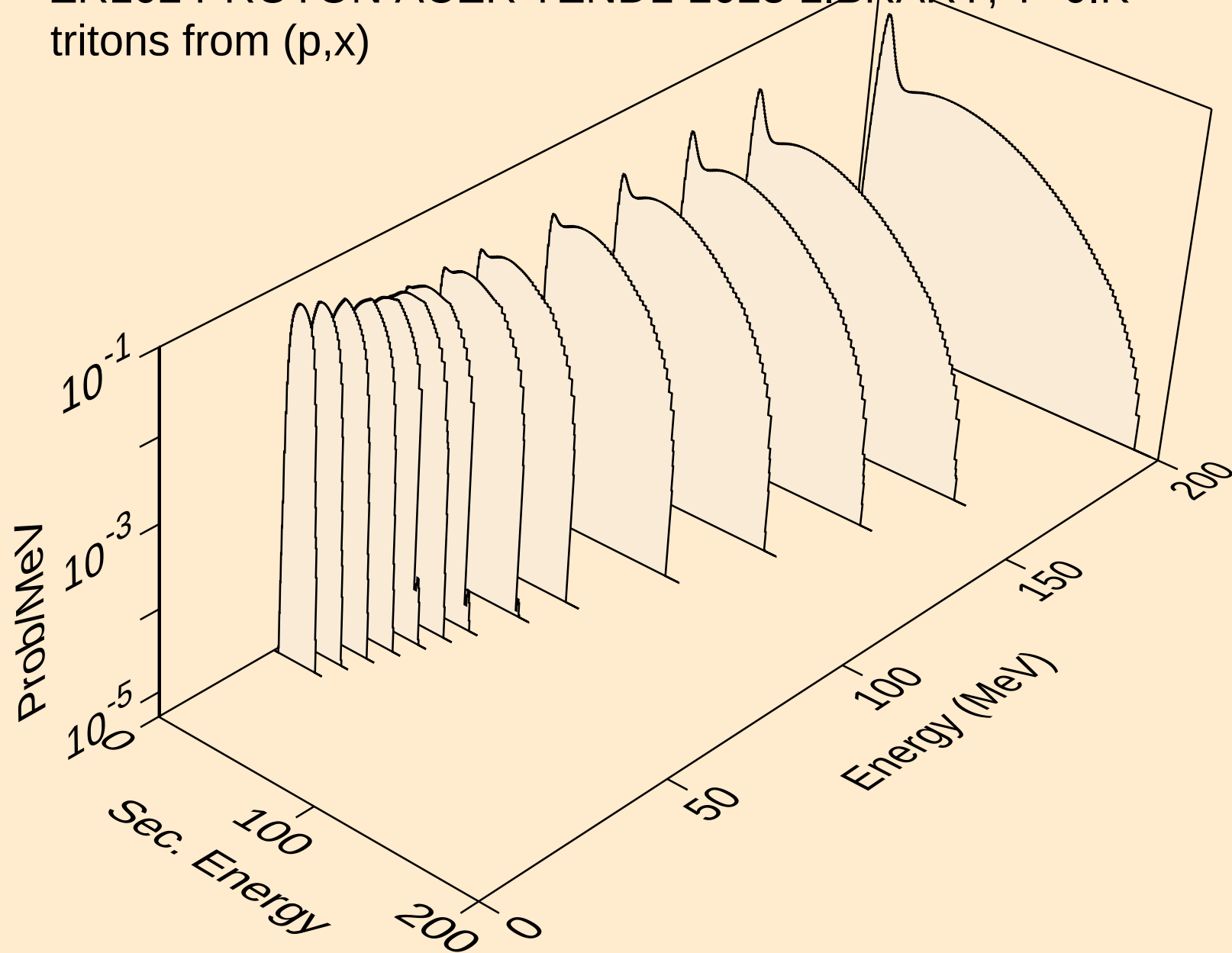
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d



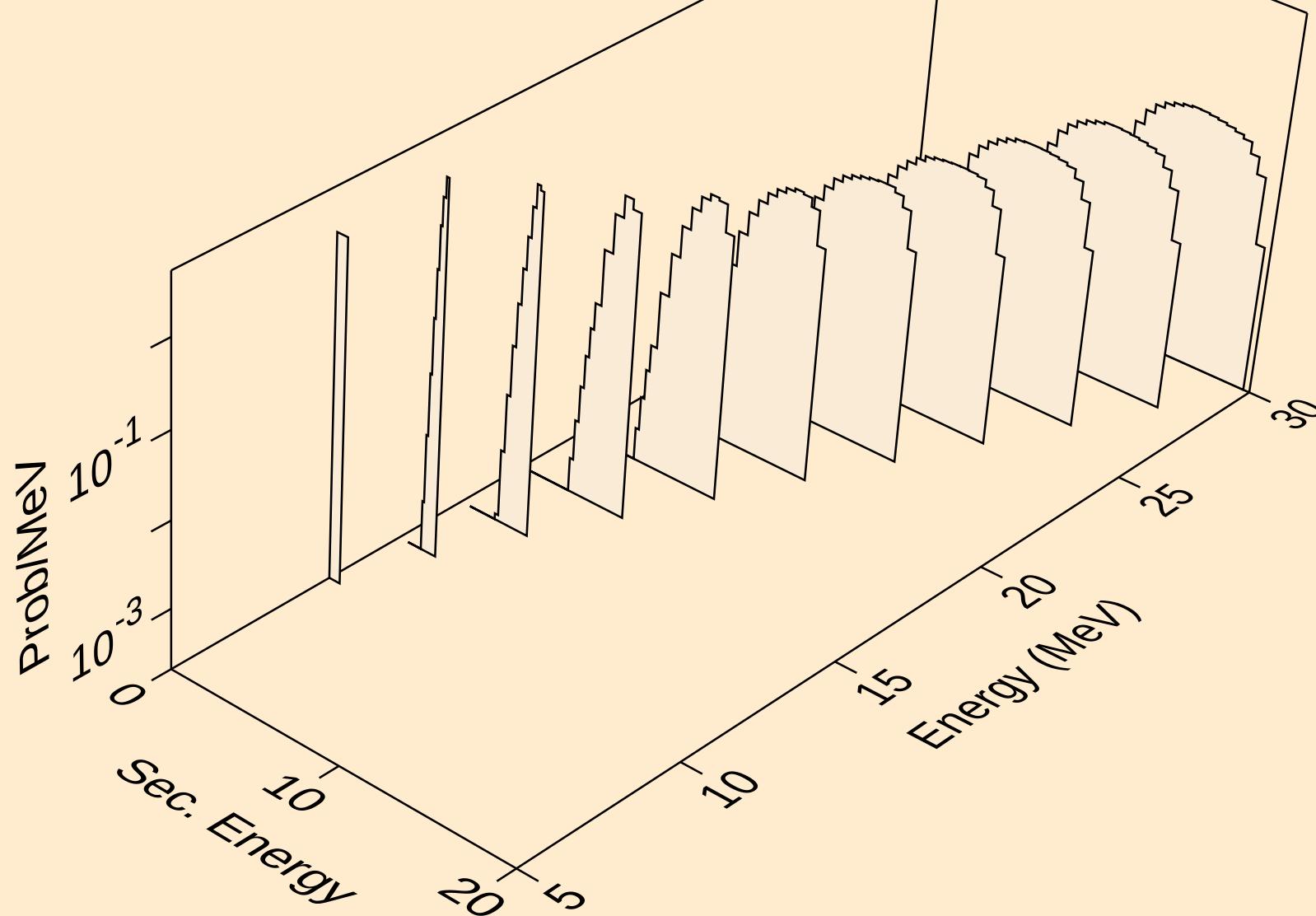
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deuterons from (p,d)



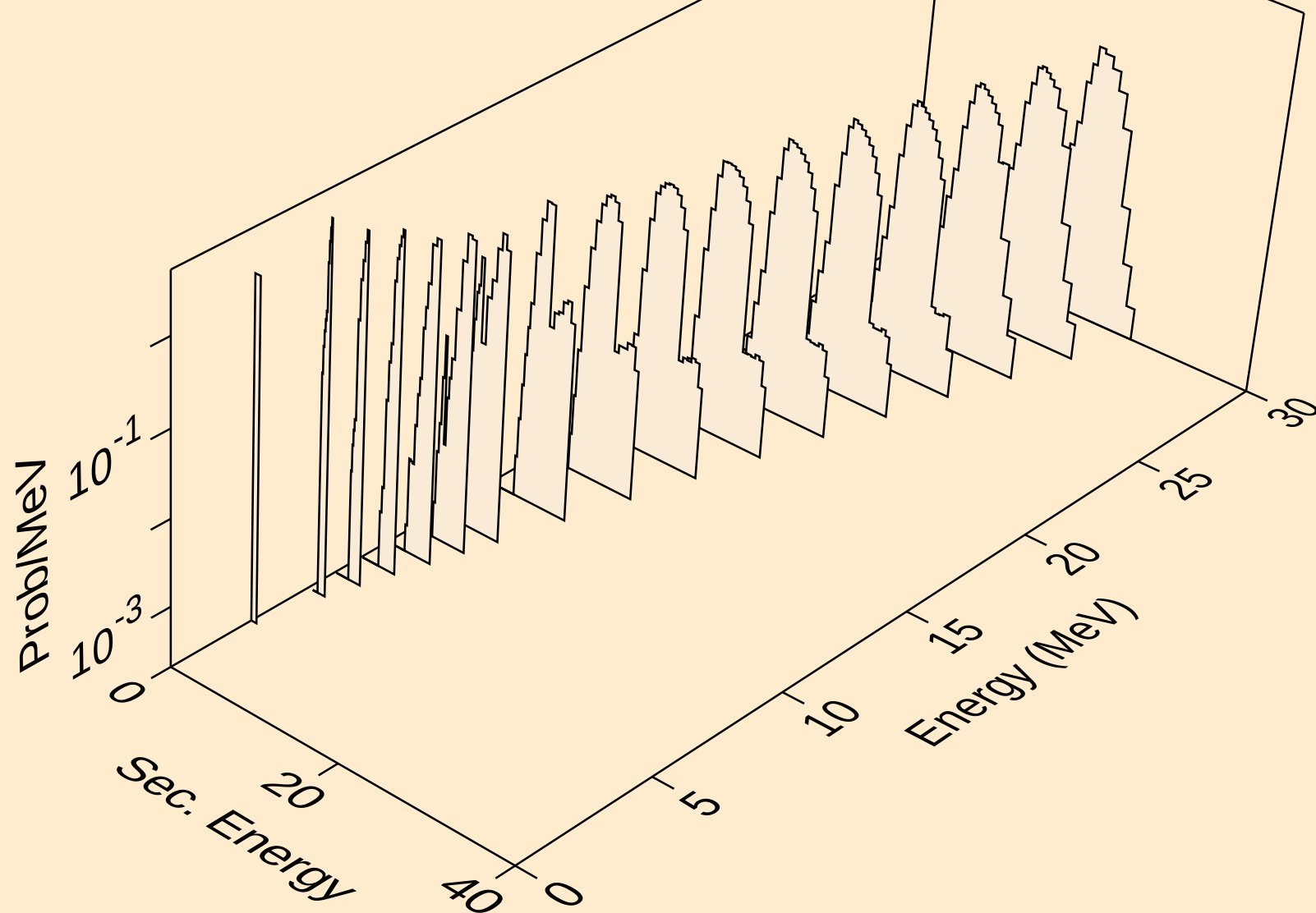
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)



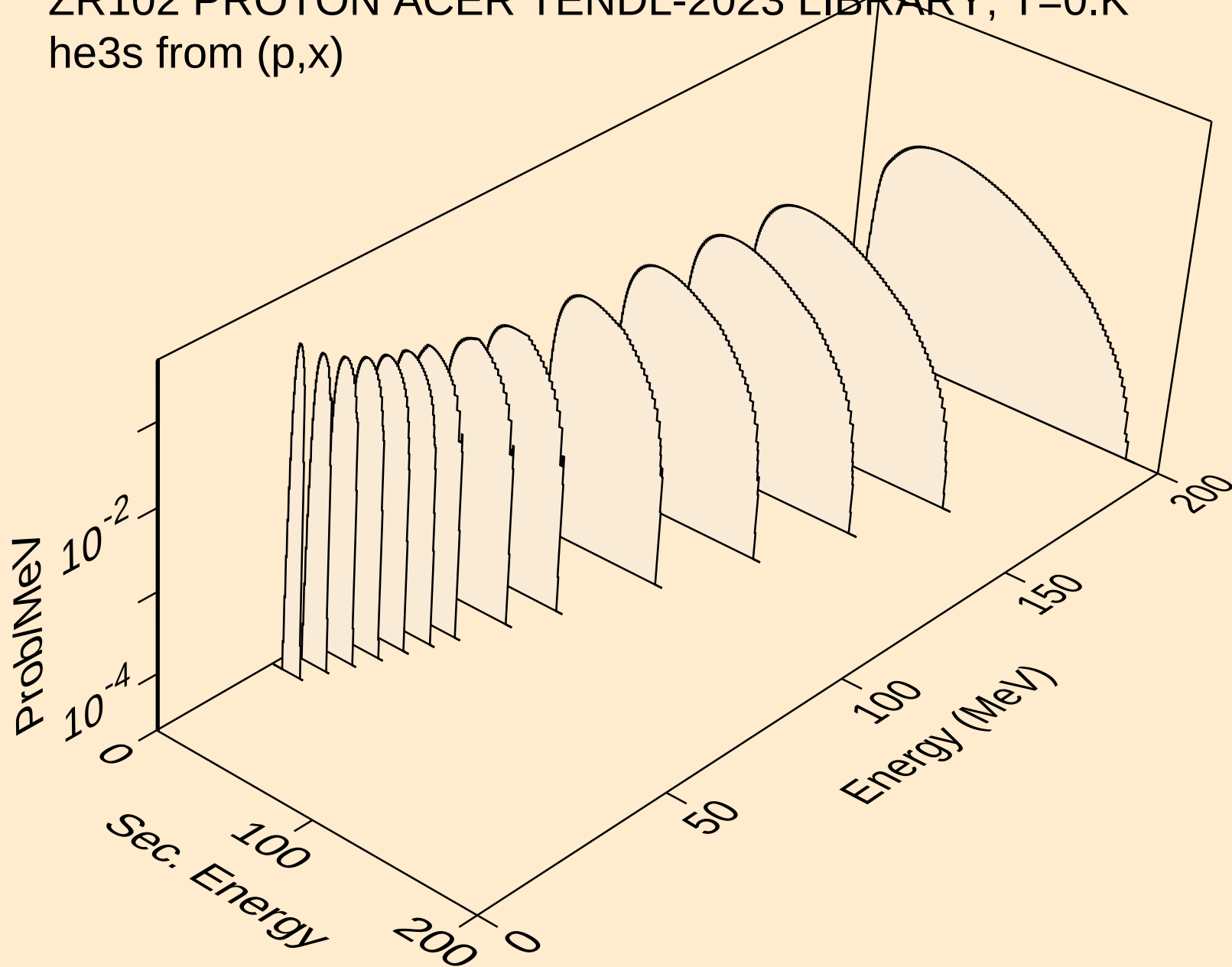
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,n*)t



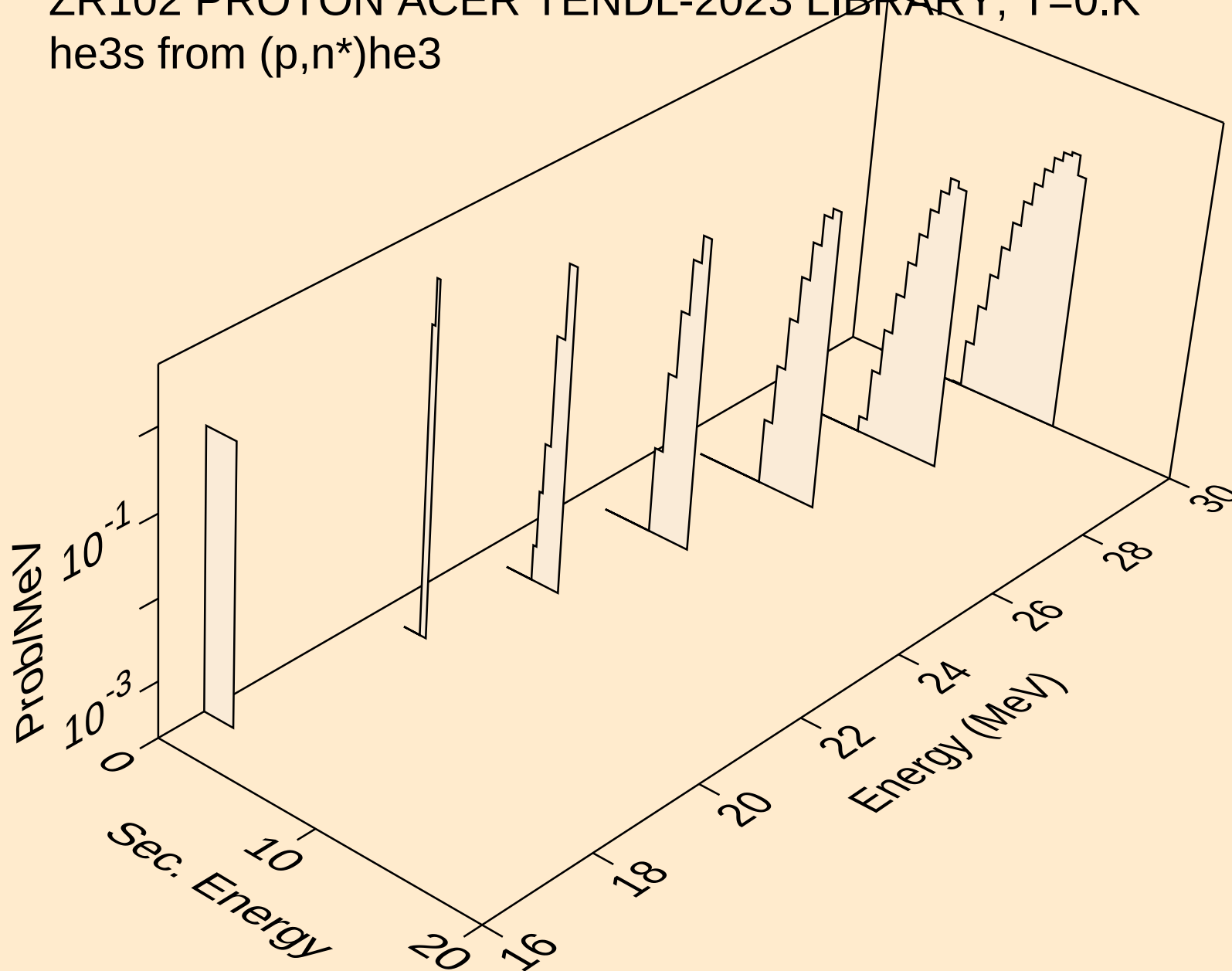
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,t)



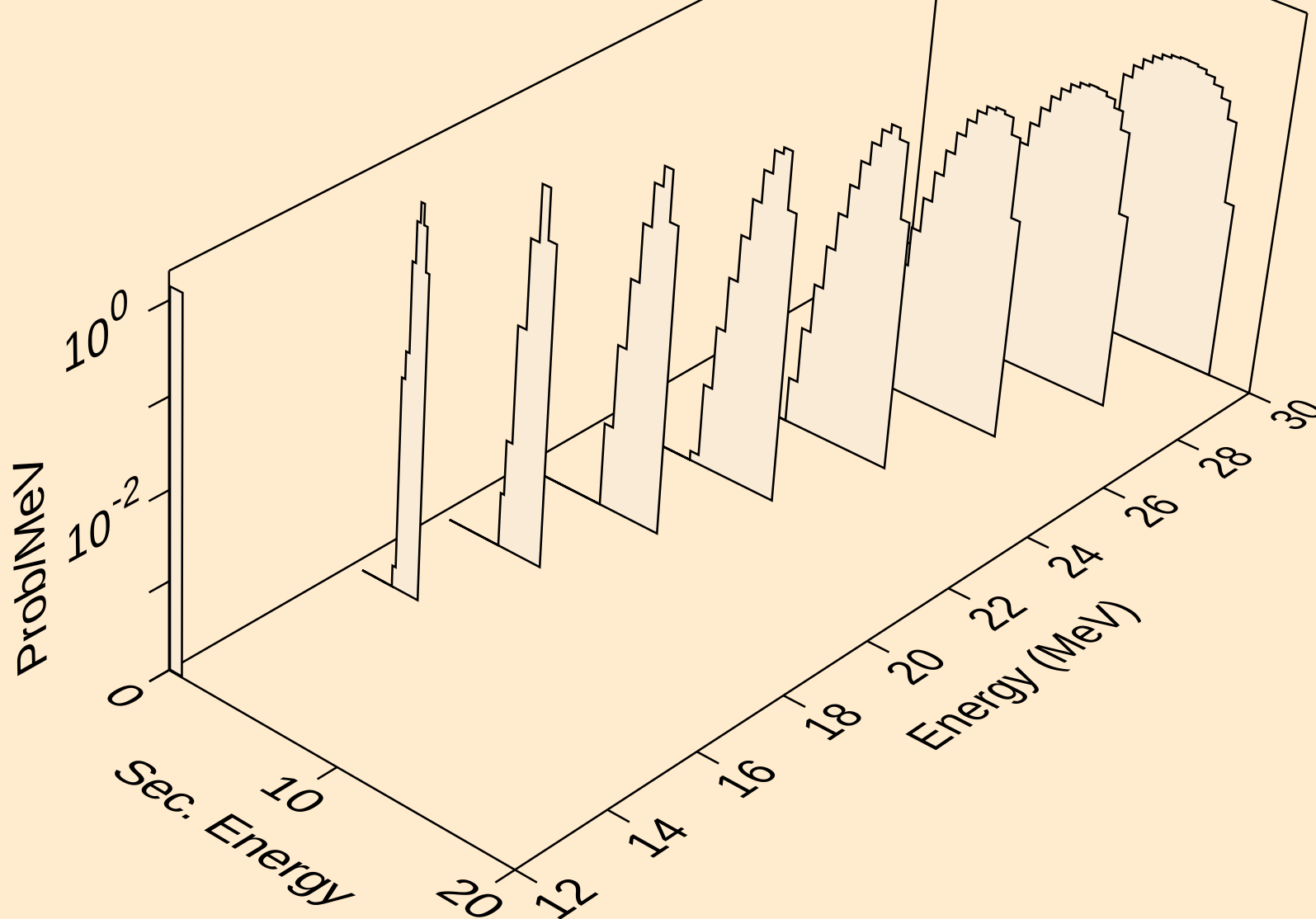
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,x)



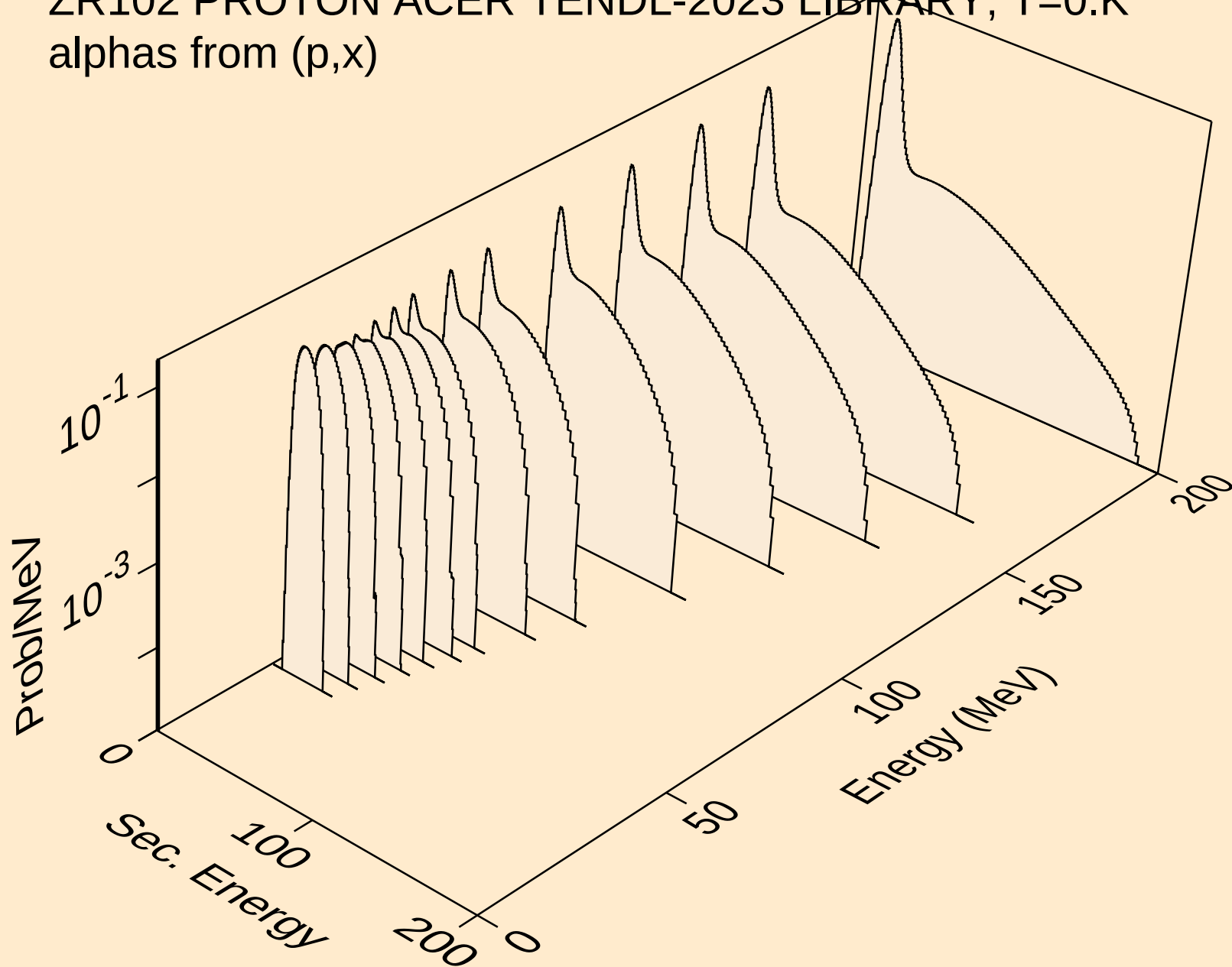
ZR102 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
he3s from $(p,n^*)\text{he3}$



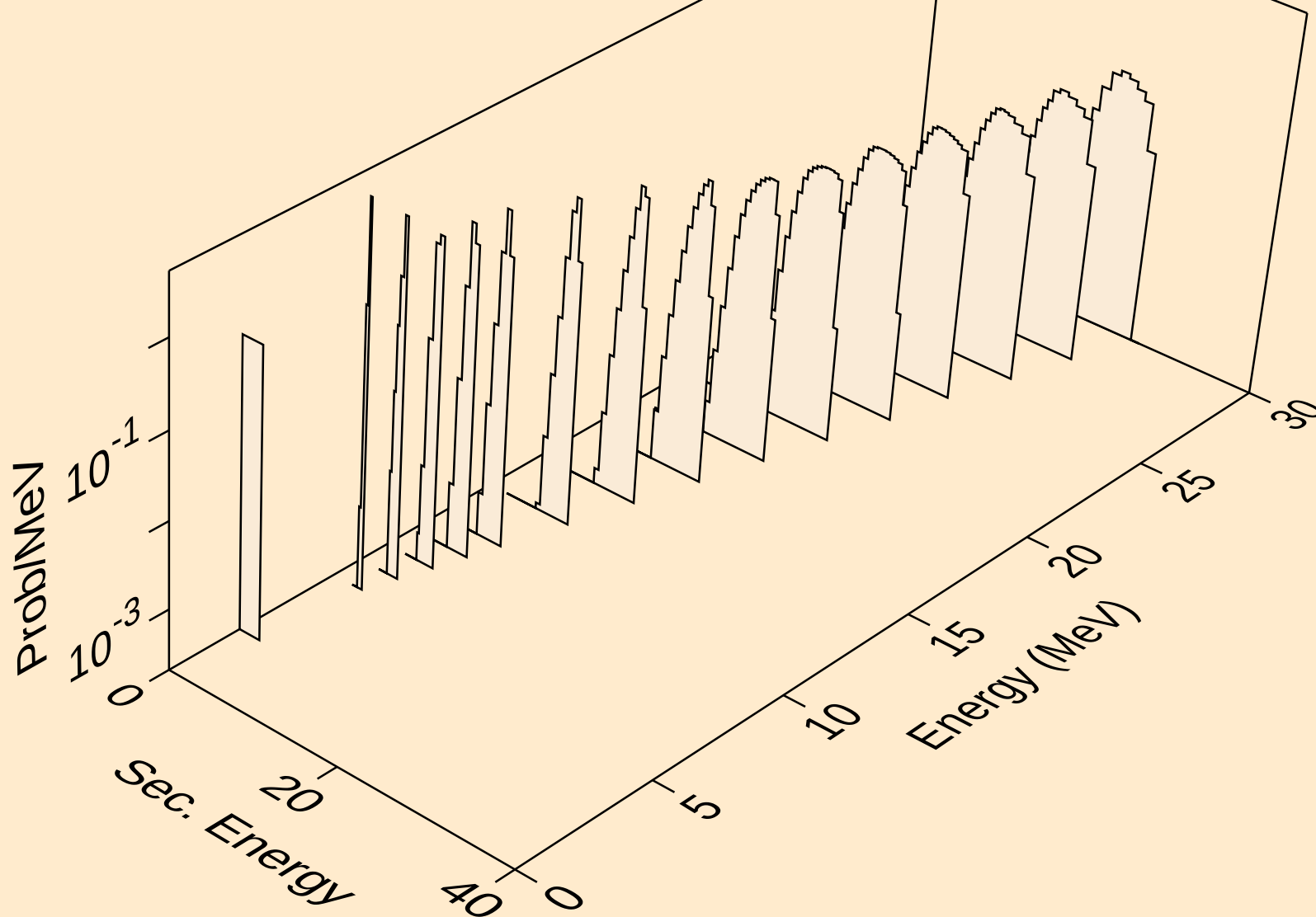
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,he3)



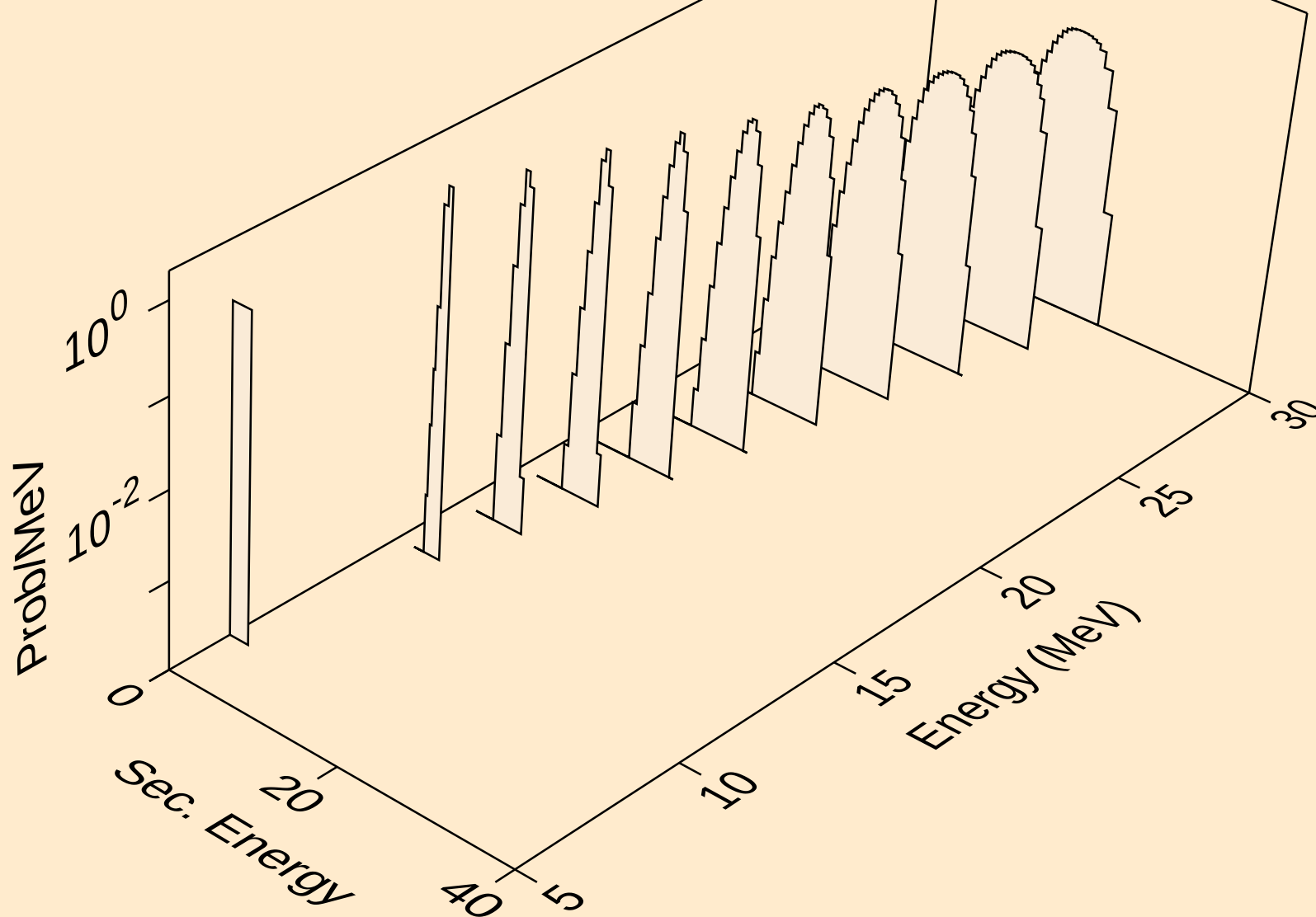
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)



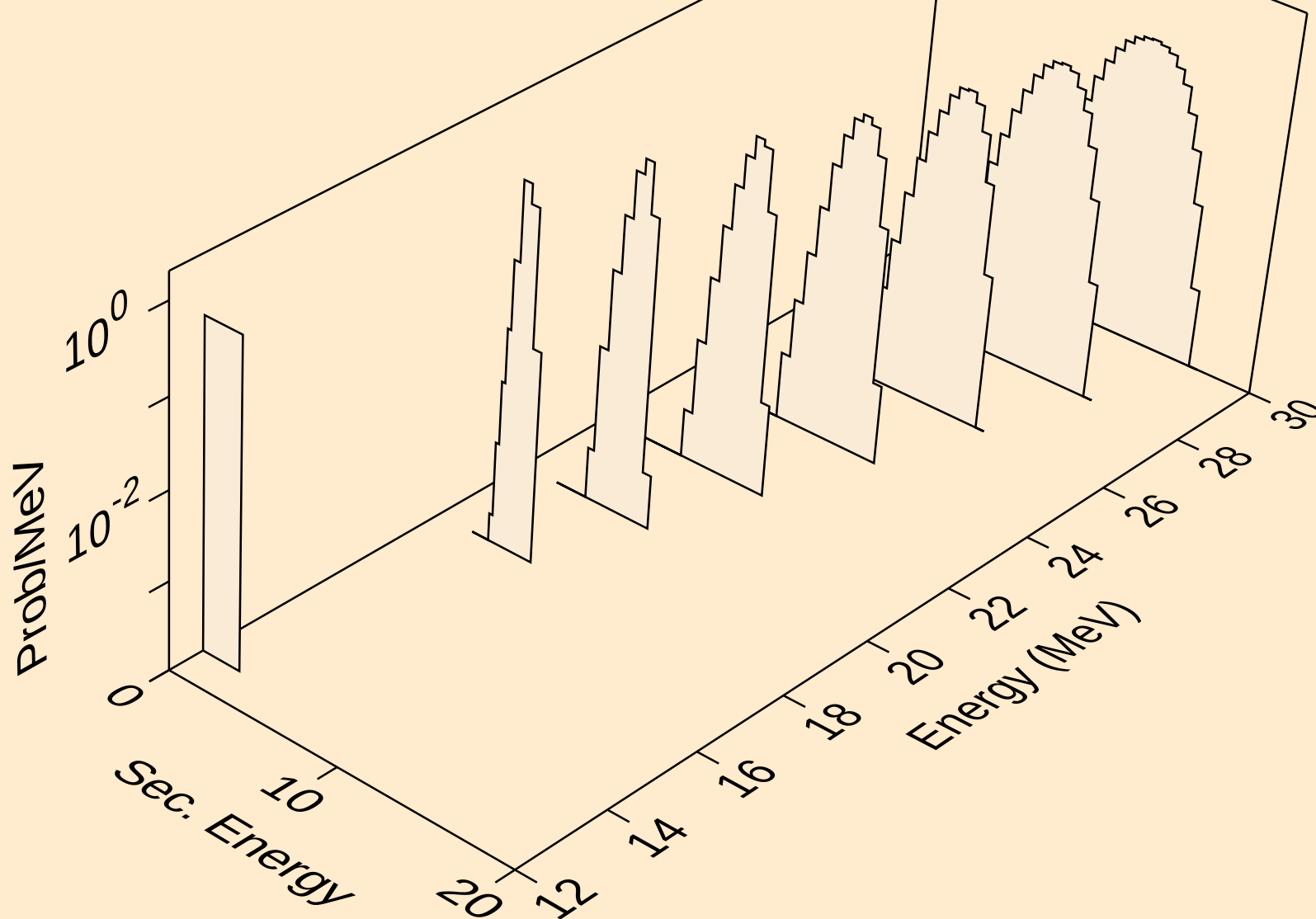
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



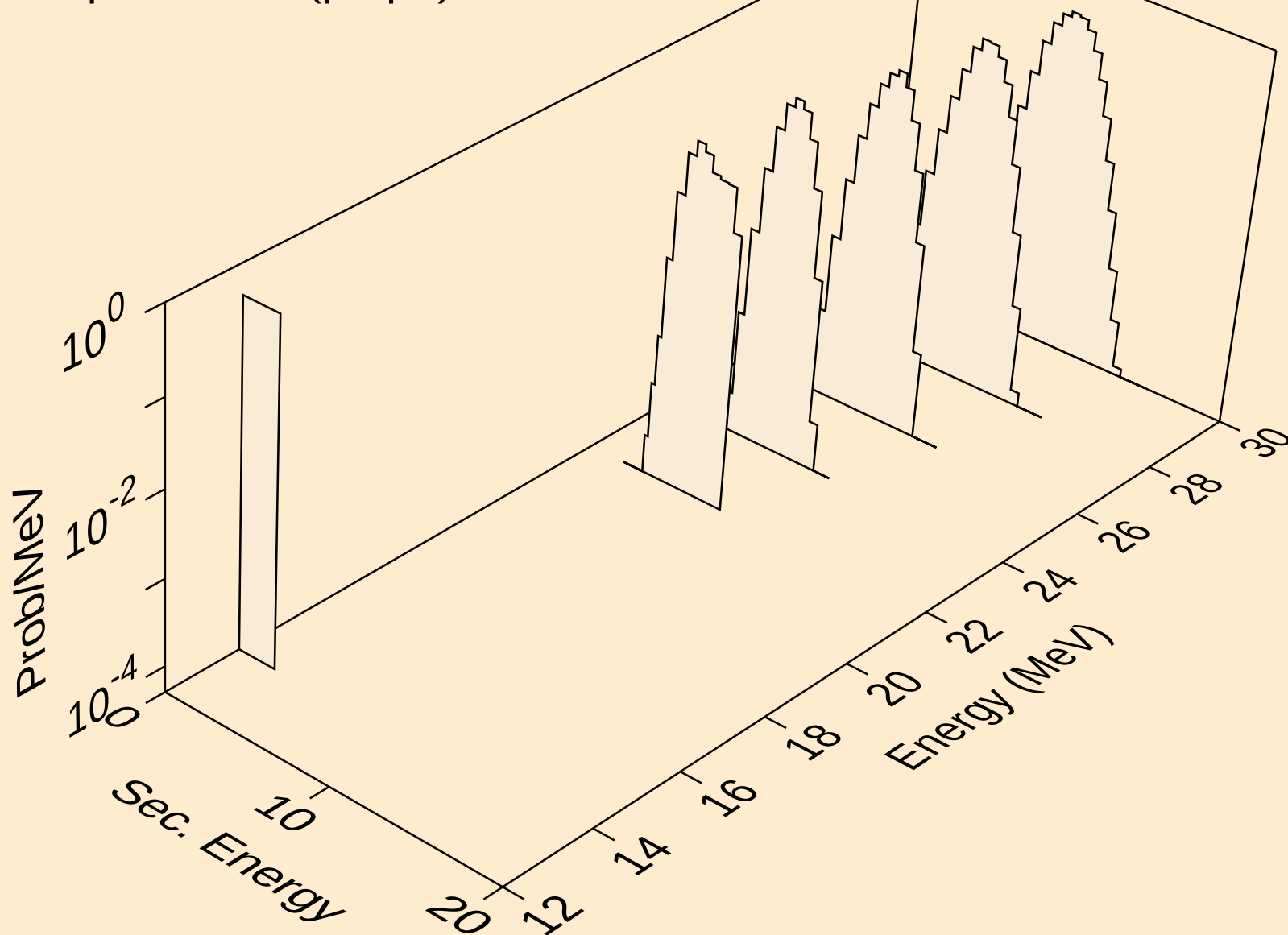
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2n)a



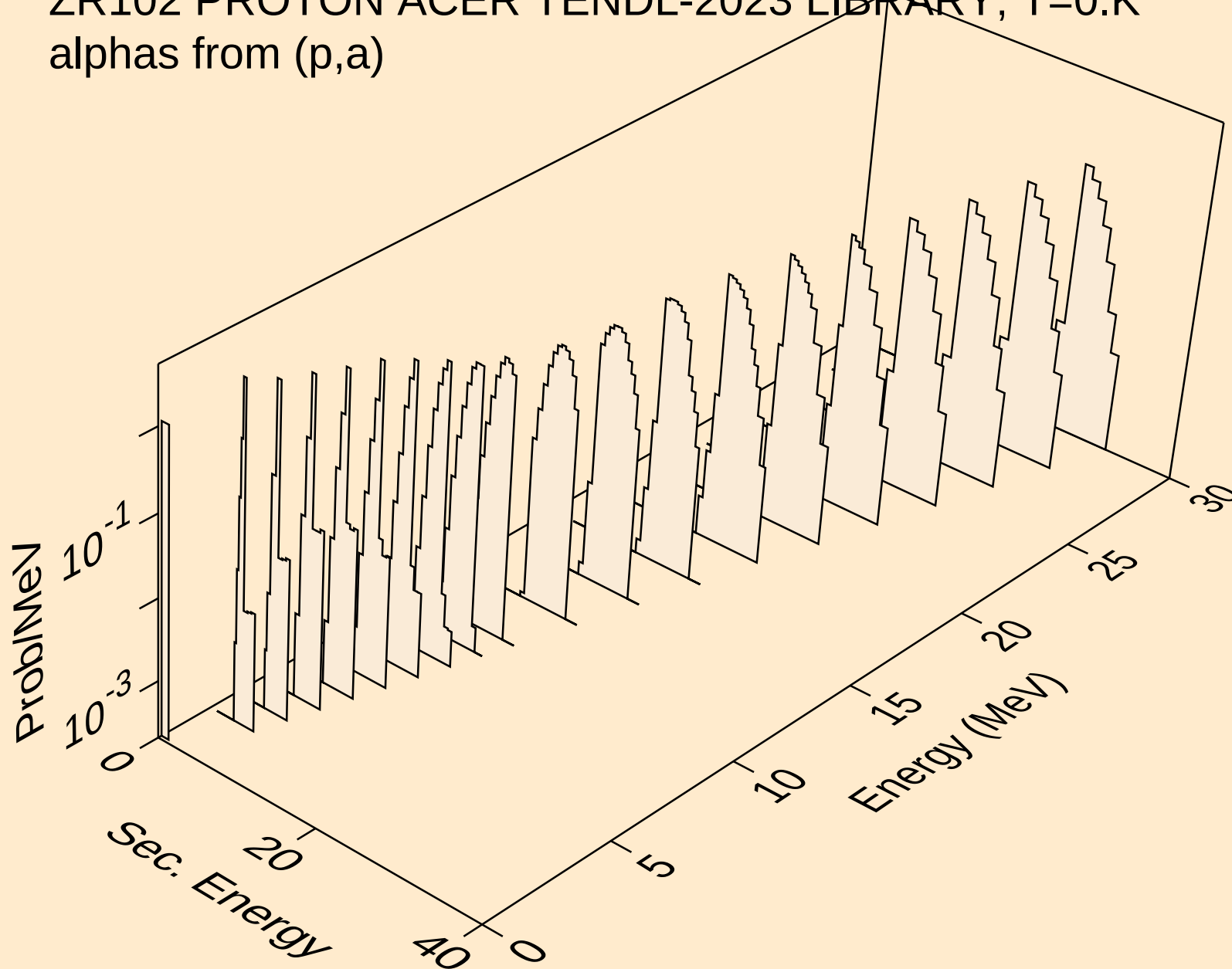
ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,3n)a



ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



ZR102 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)

