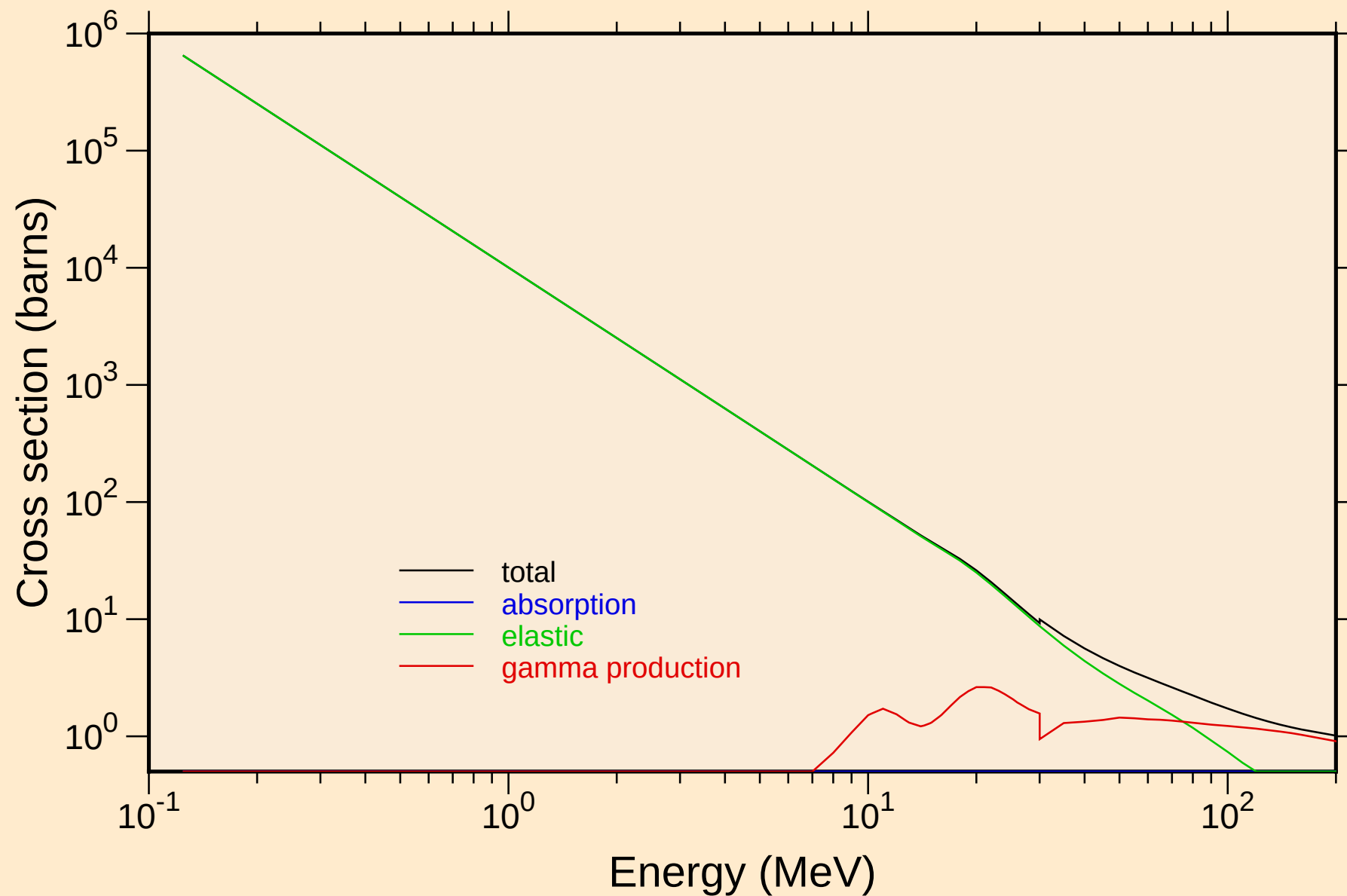


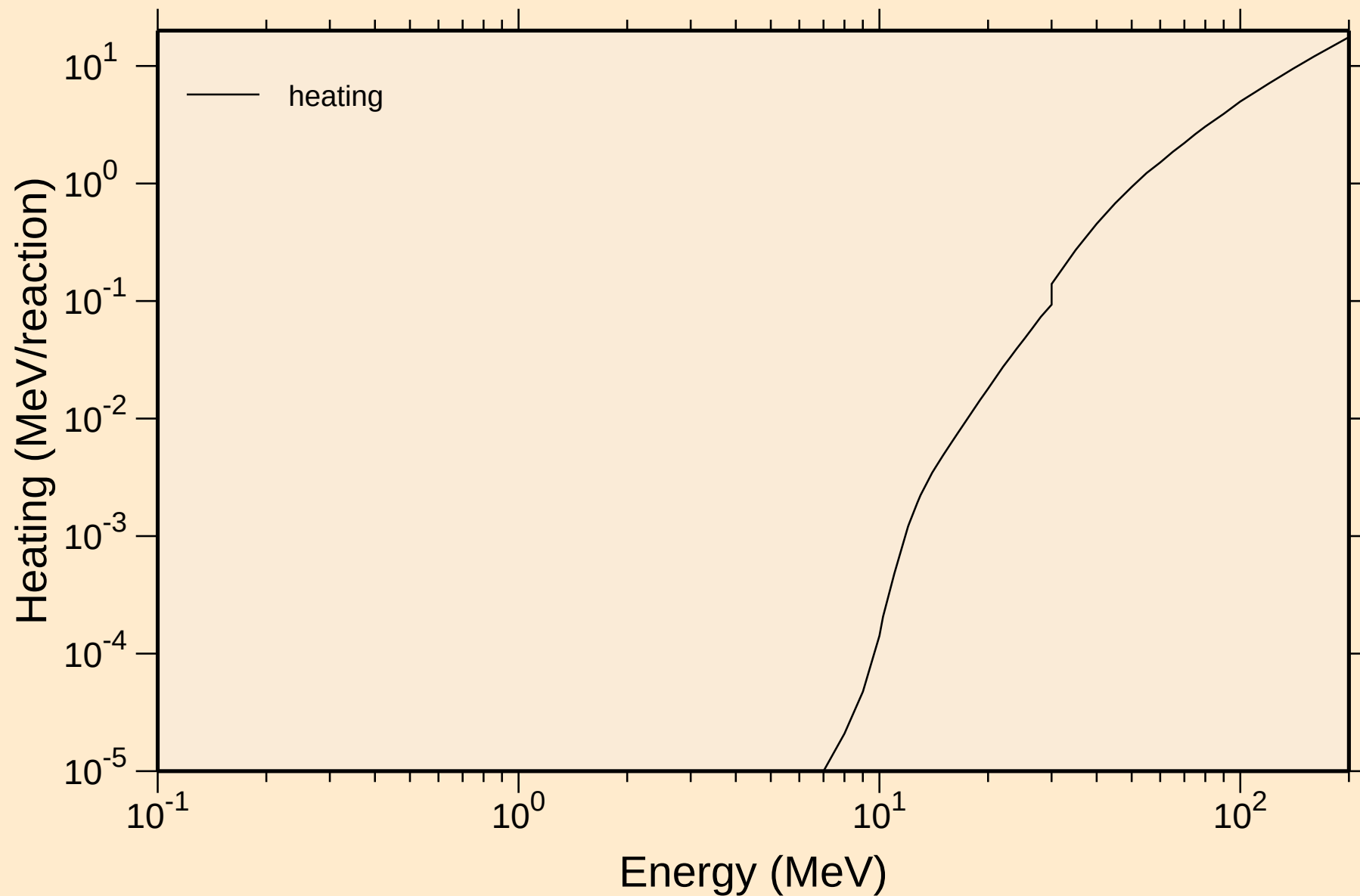
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



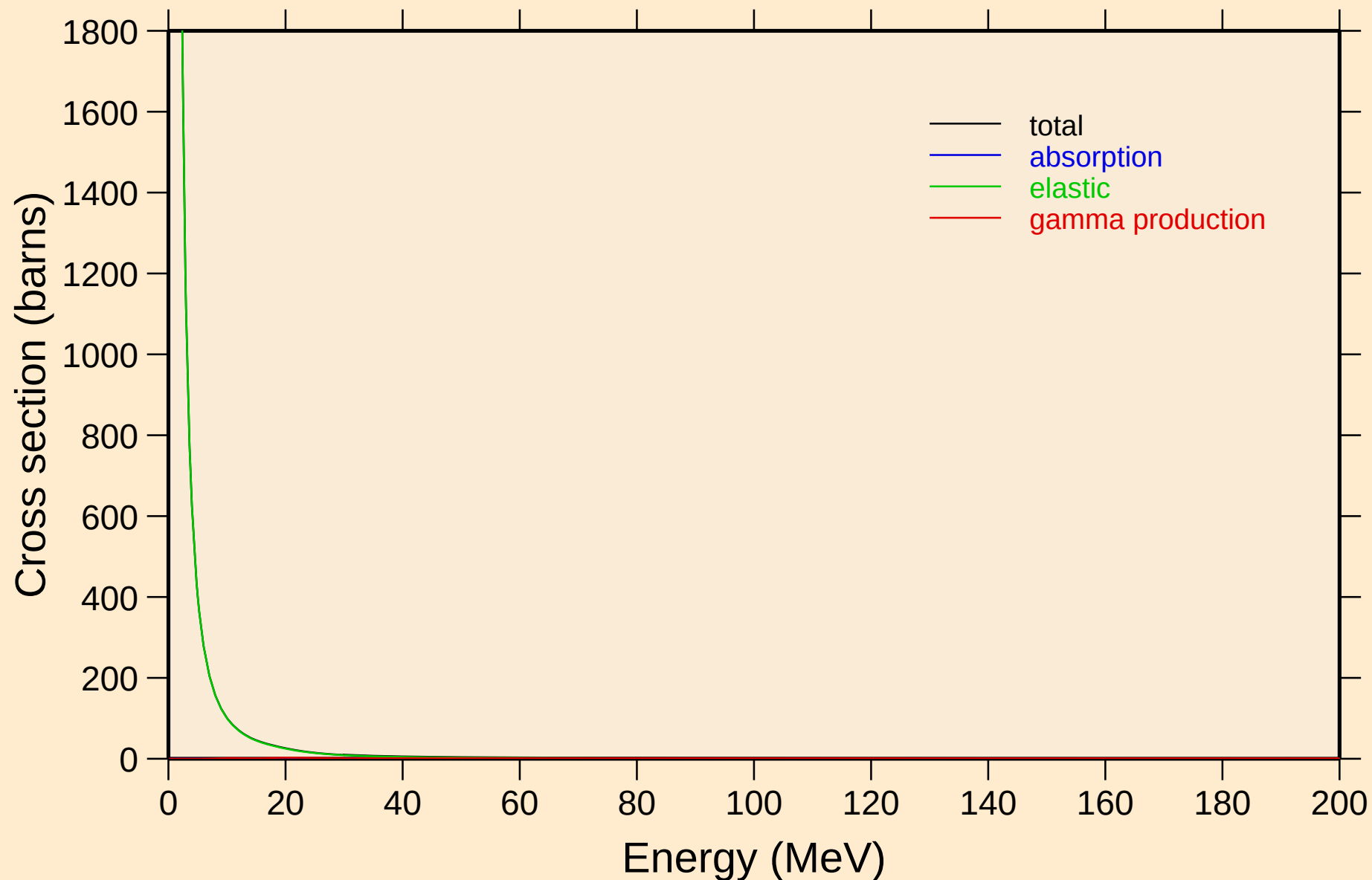
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



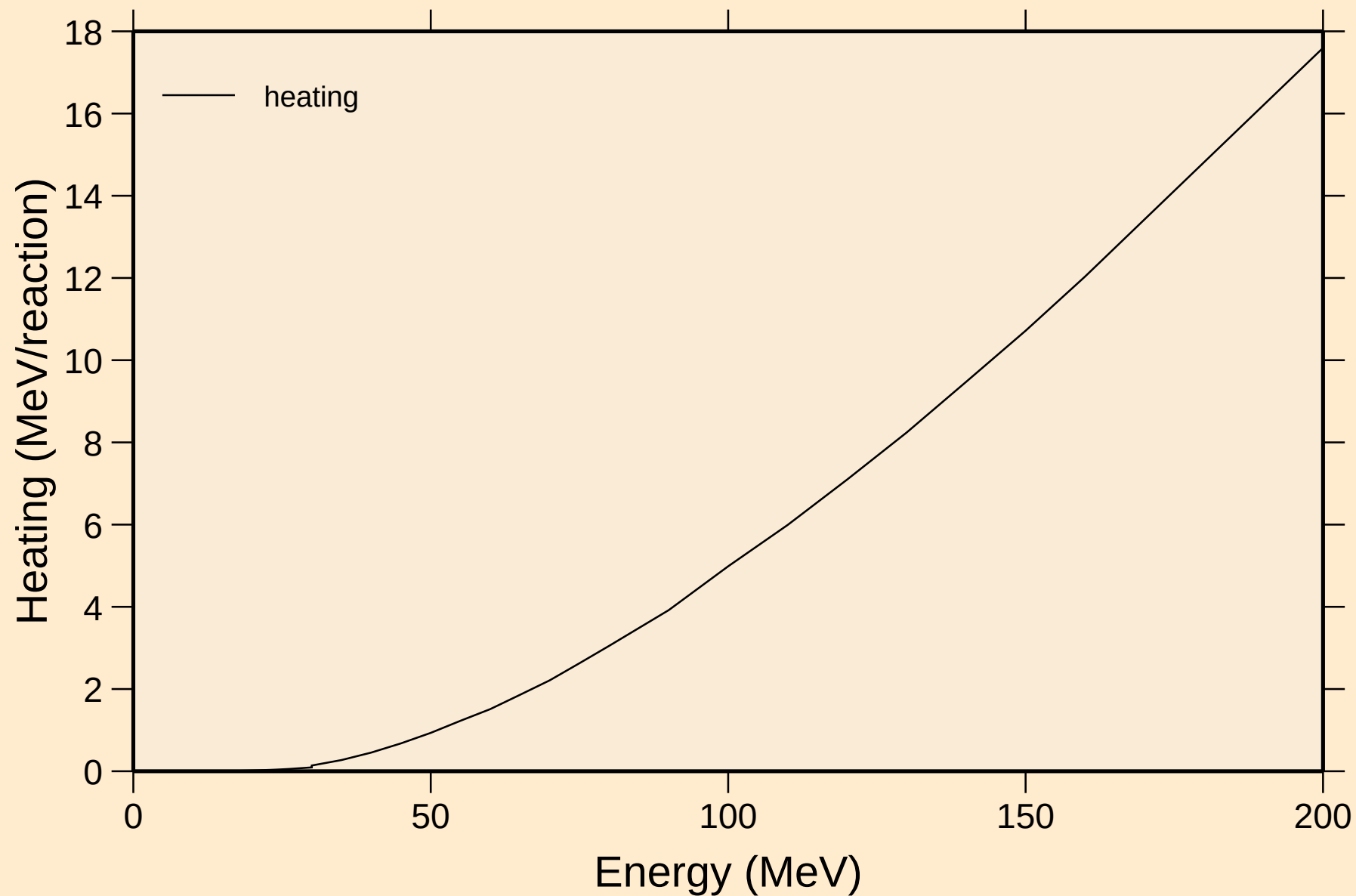
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



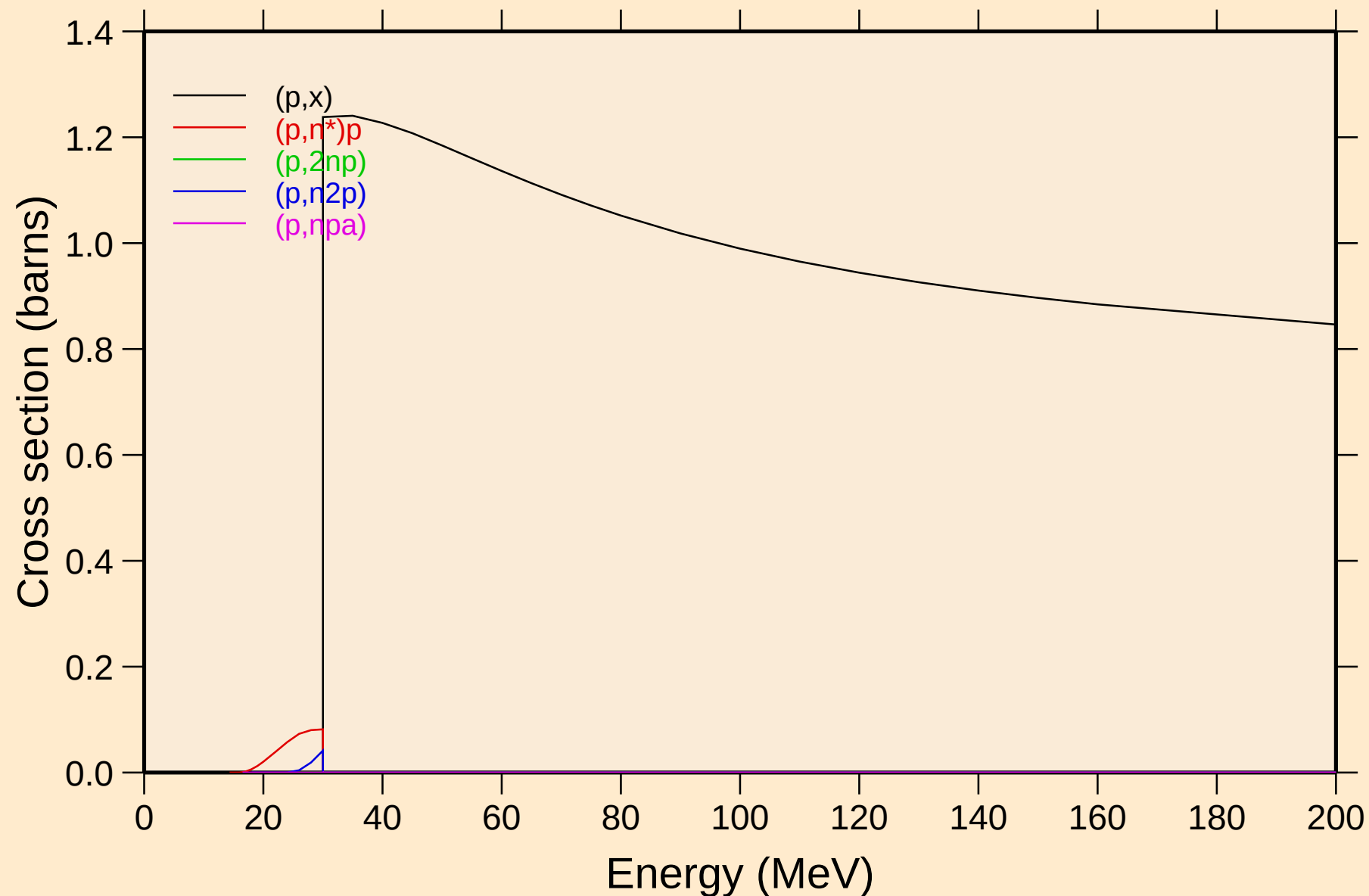
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



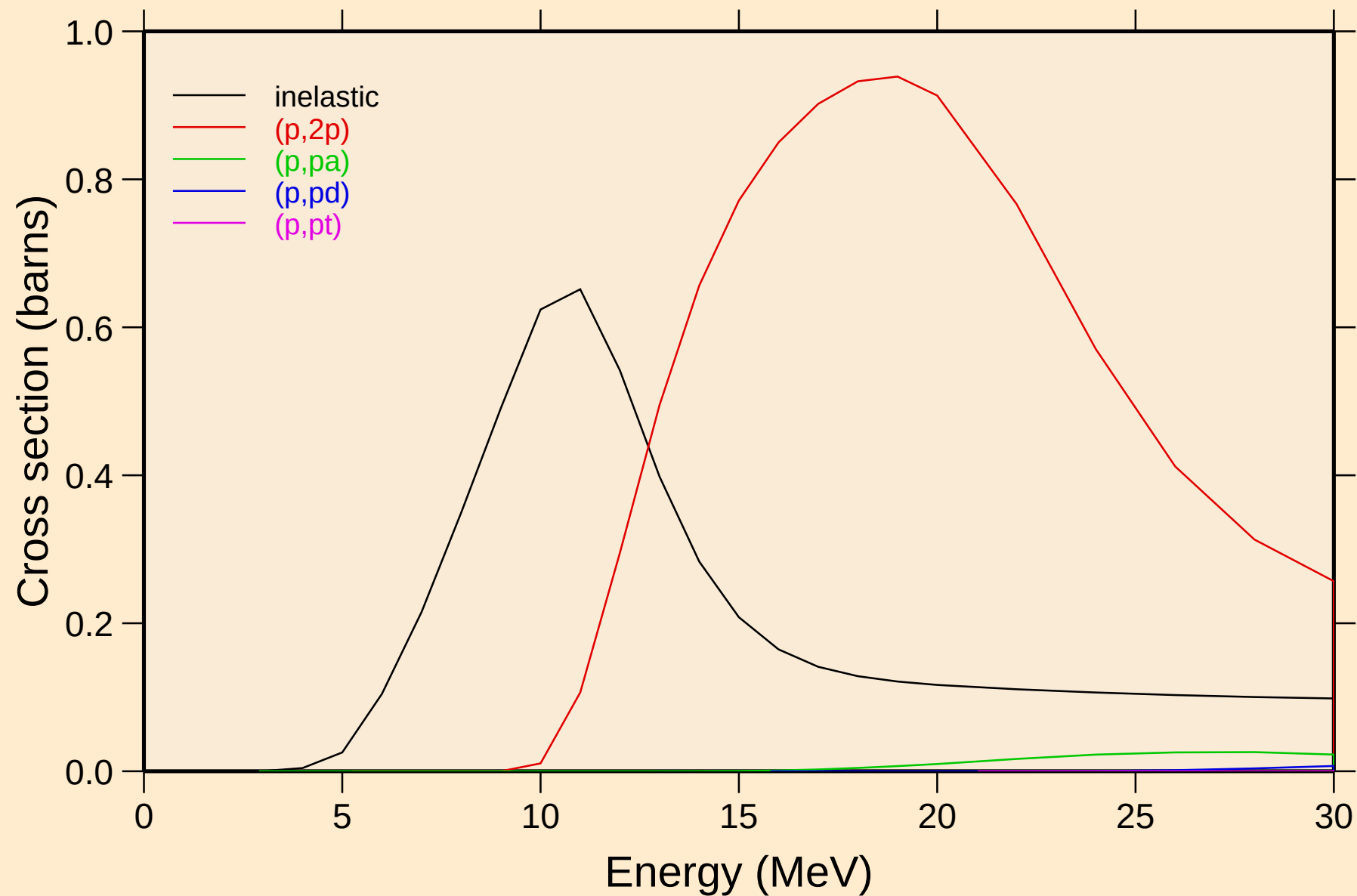
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



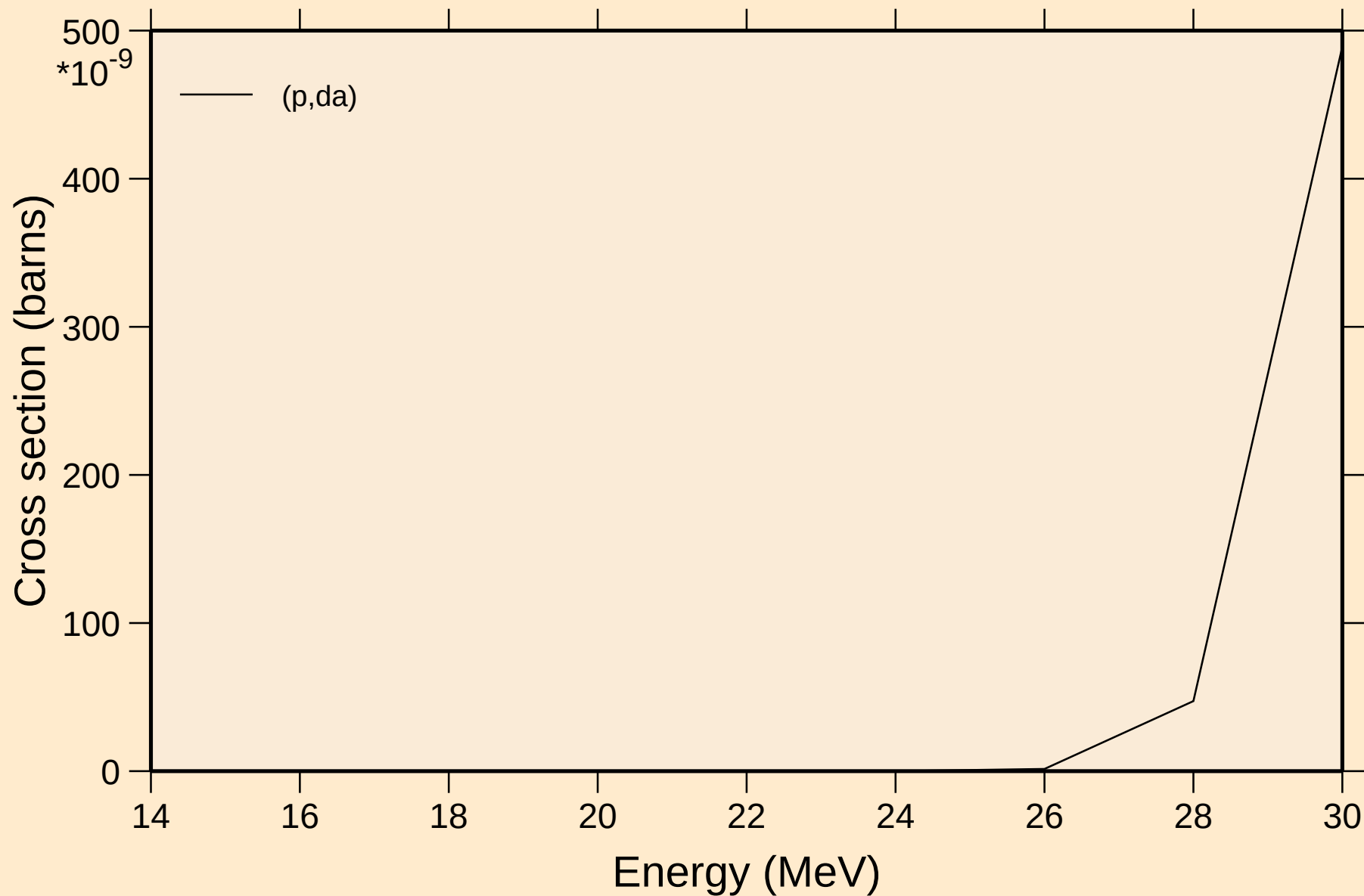
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

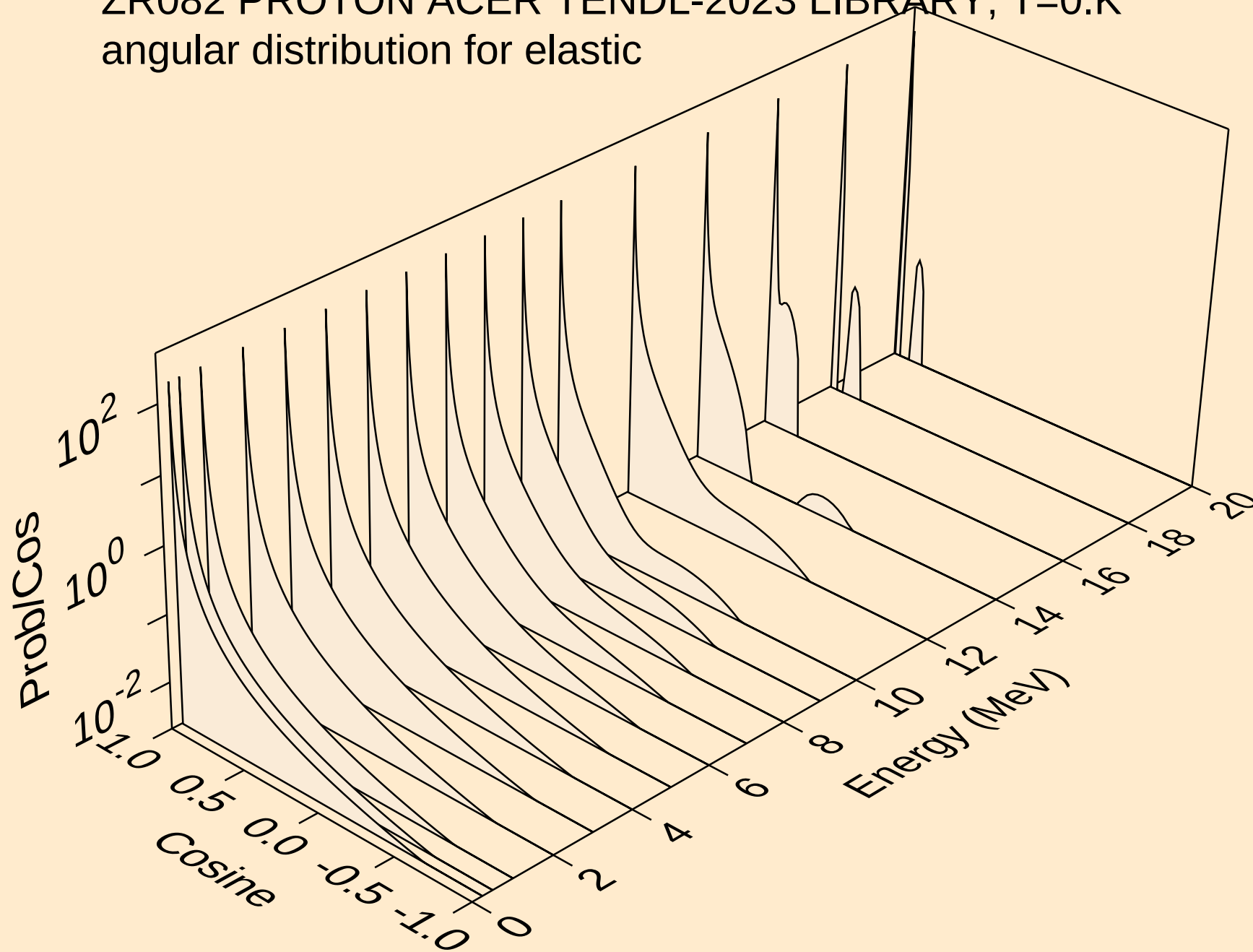


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

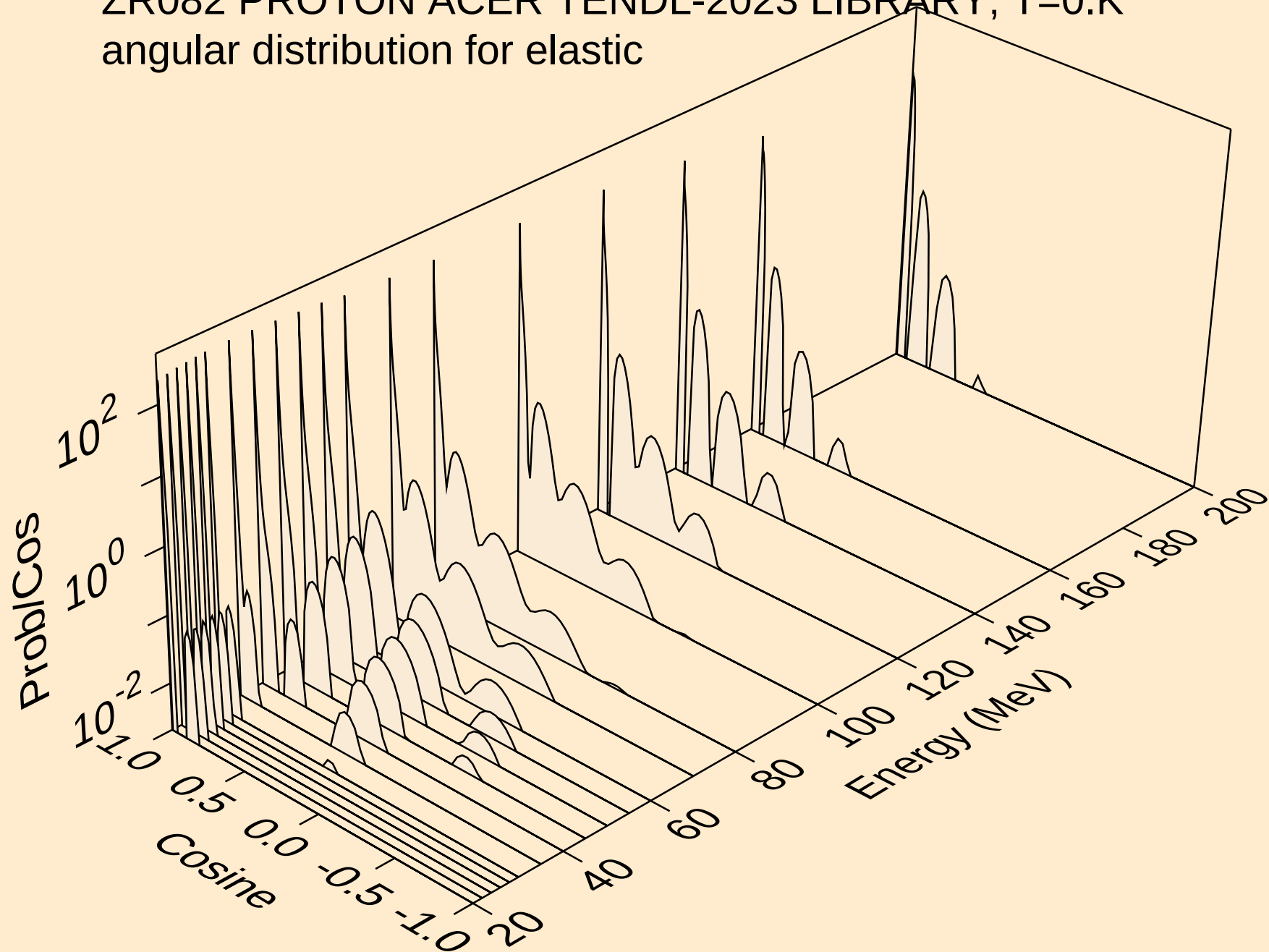
Threshold reactions



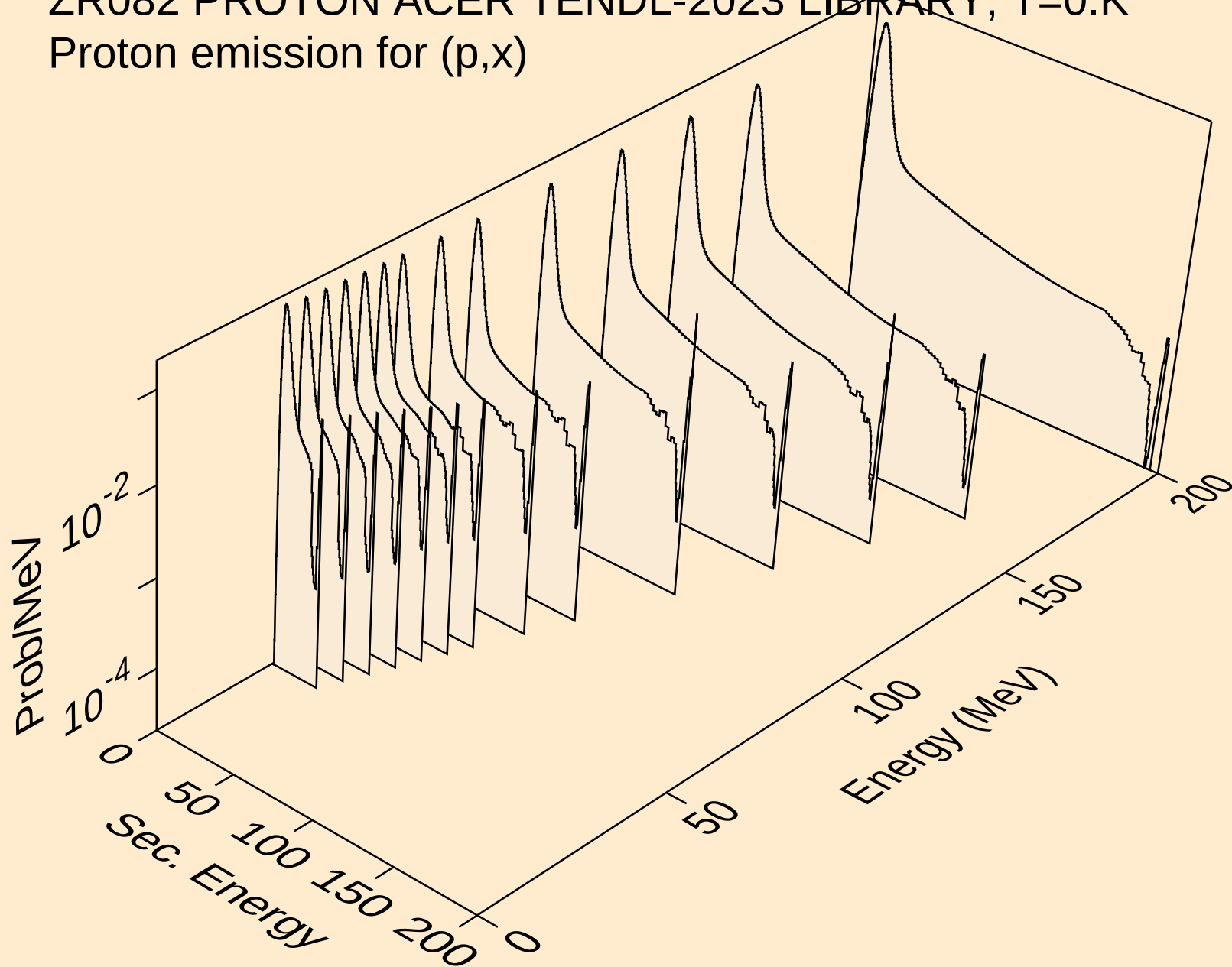
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

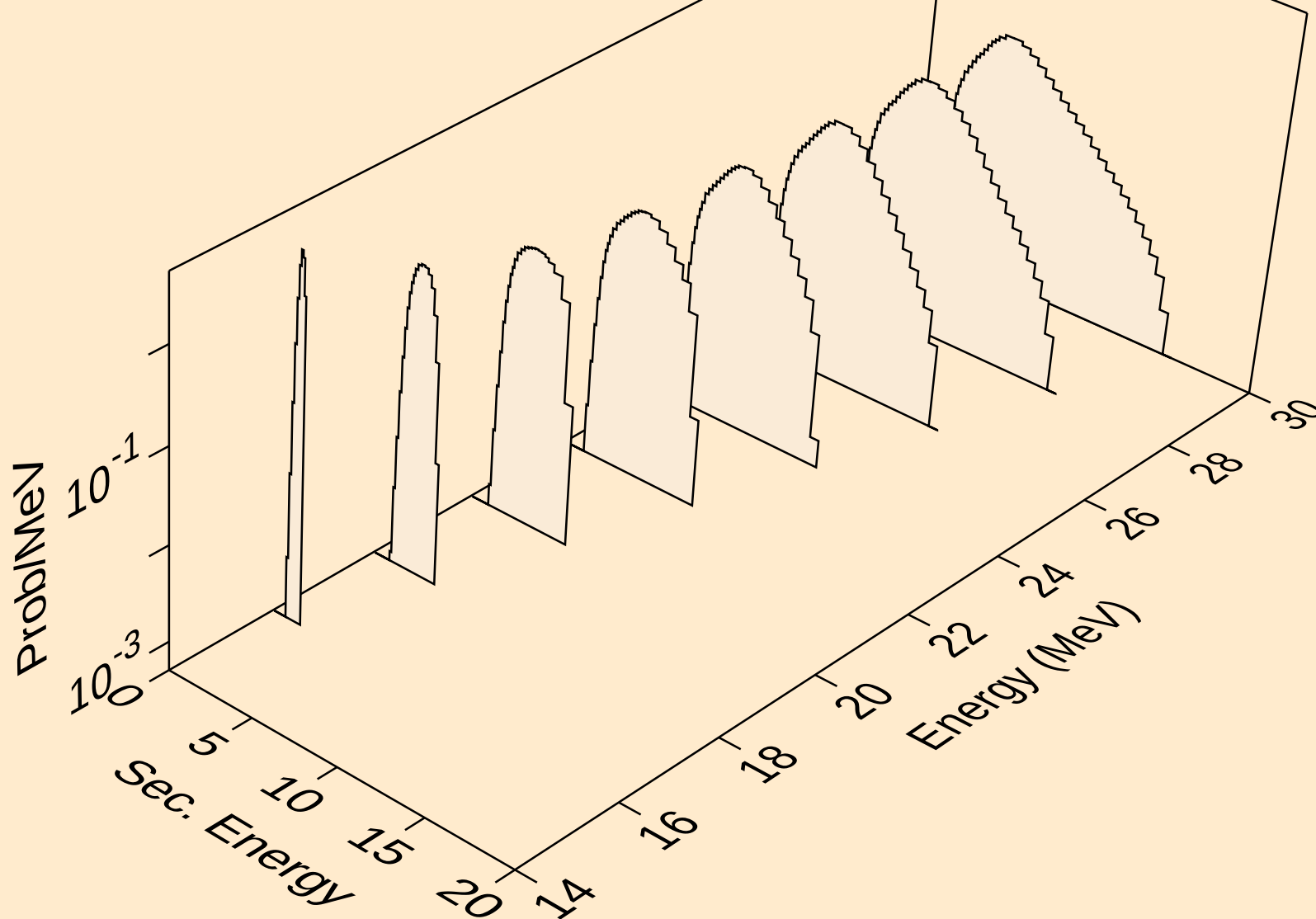


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)



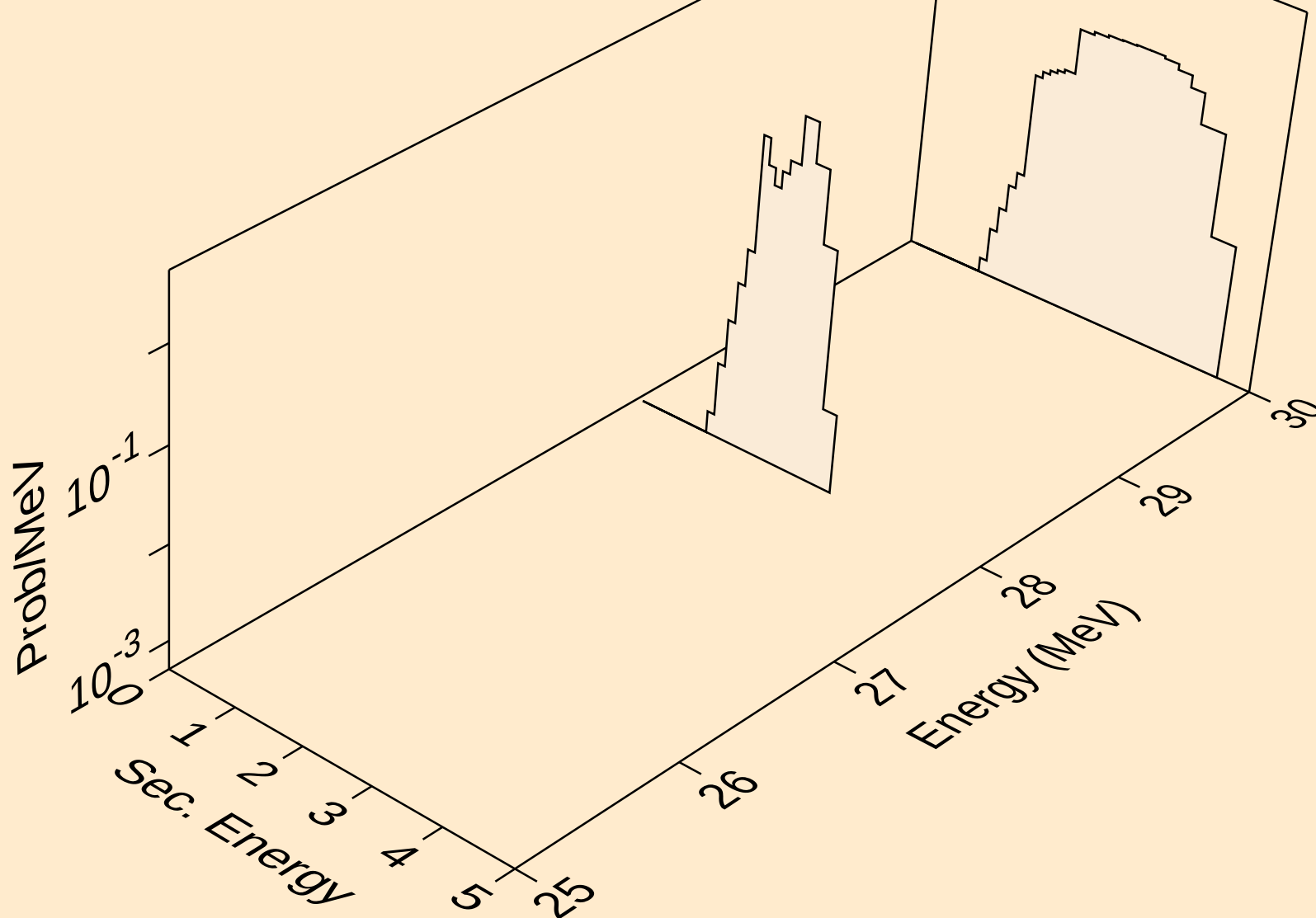
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,n*)p

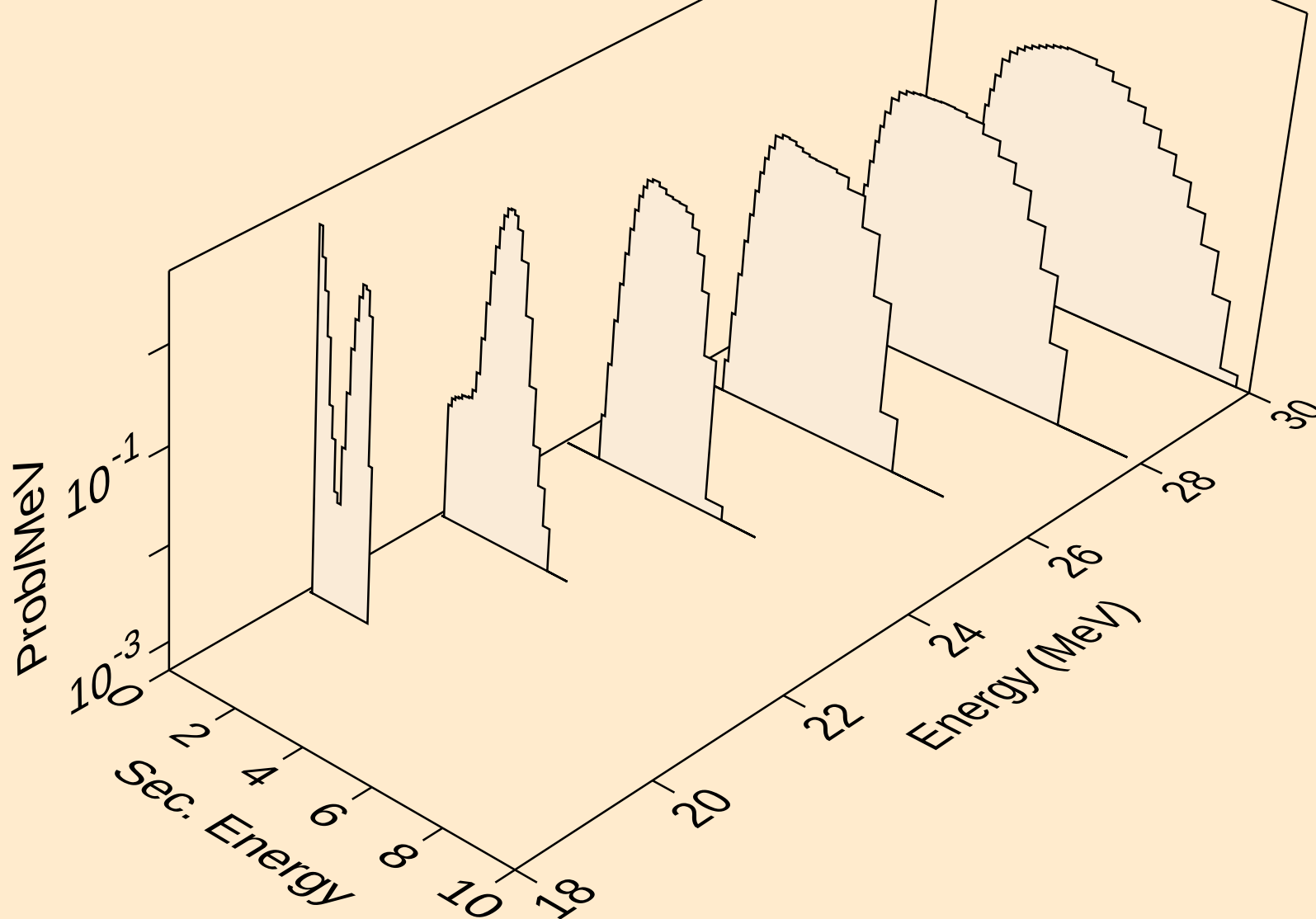


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2np)

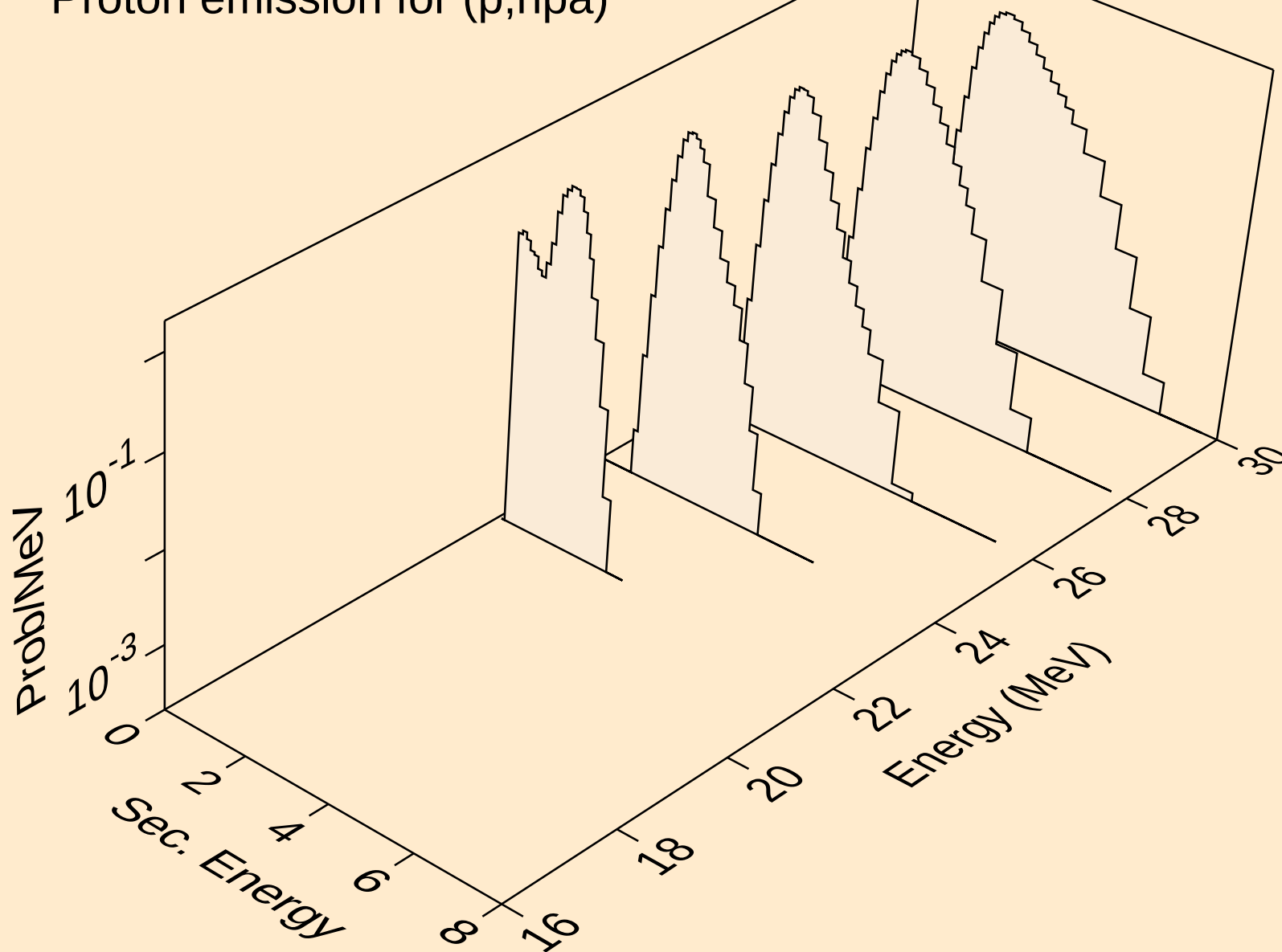


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n2p)

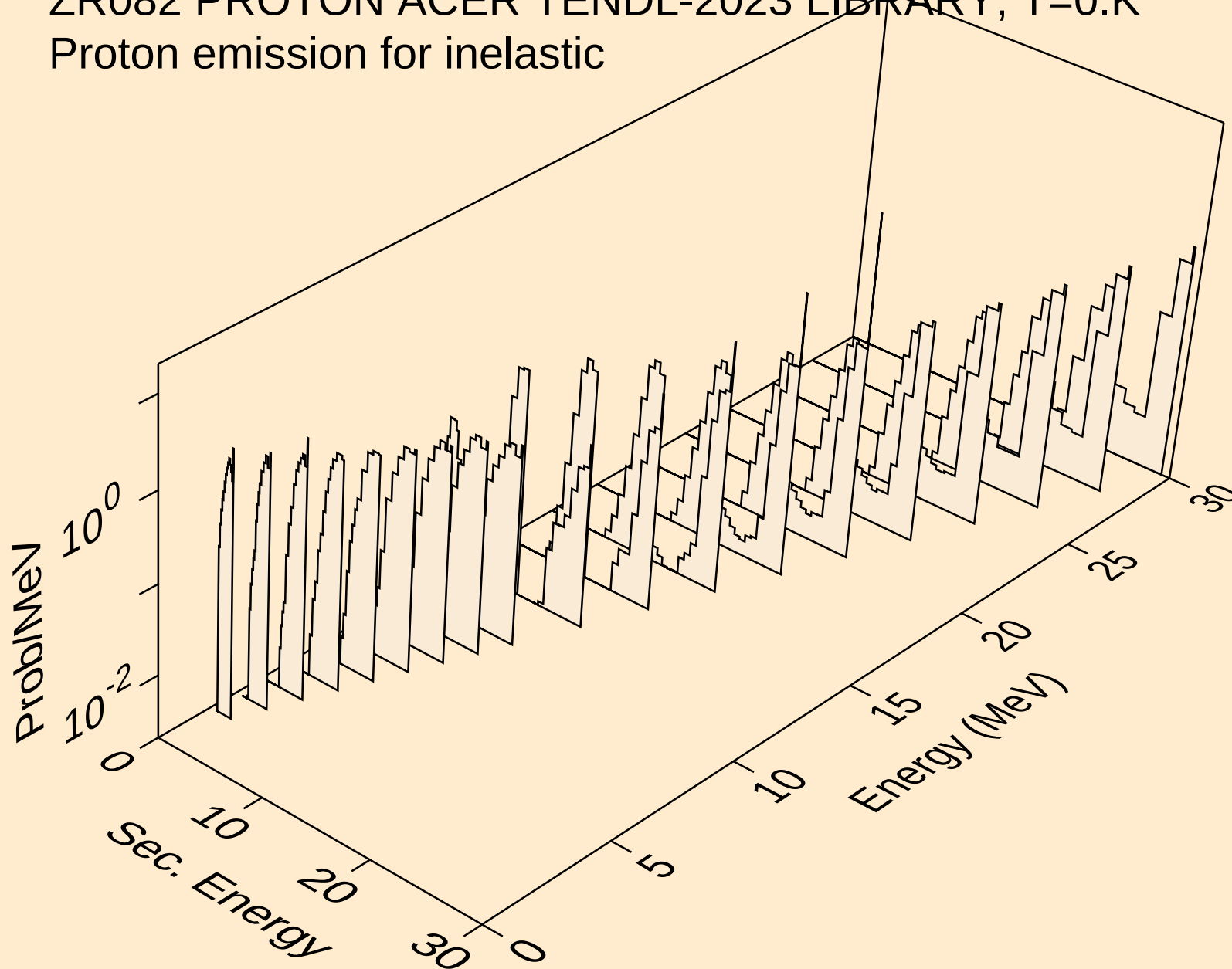


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,npa)

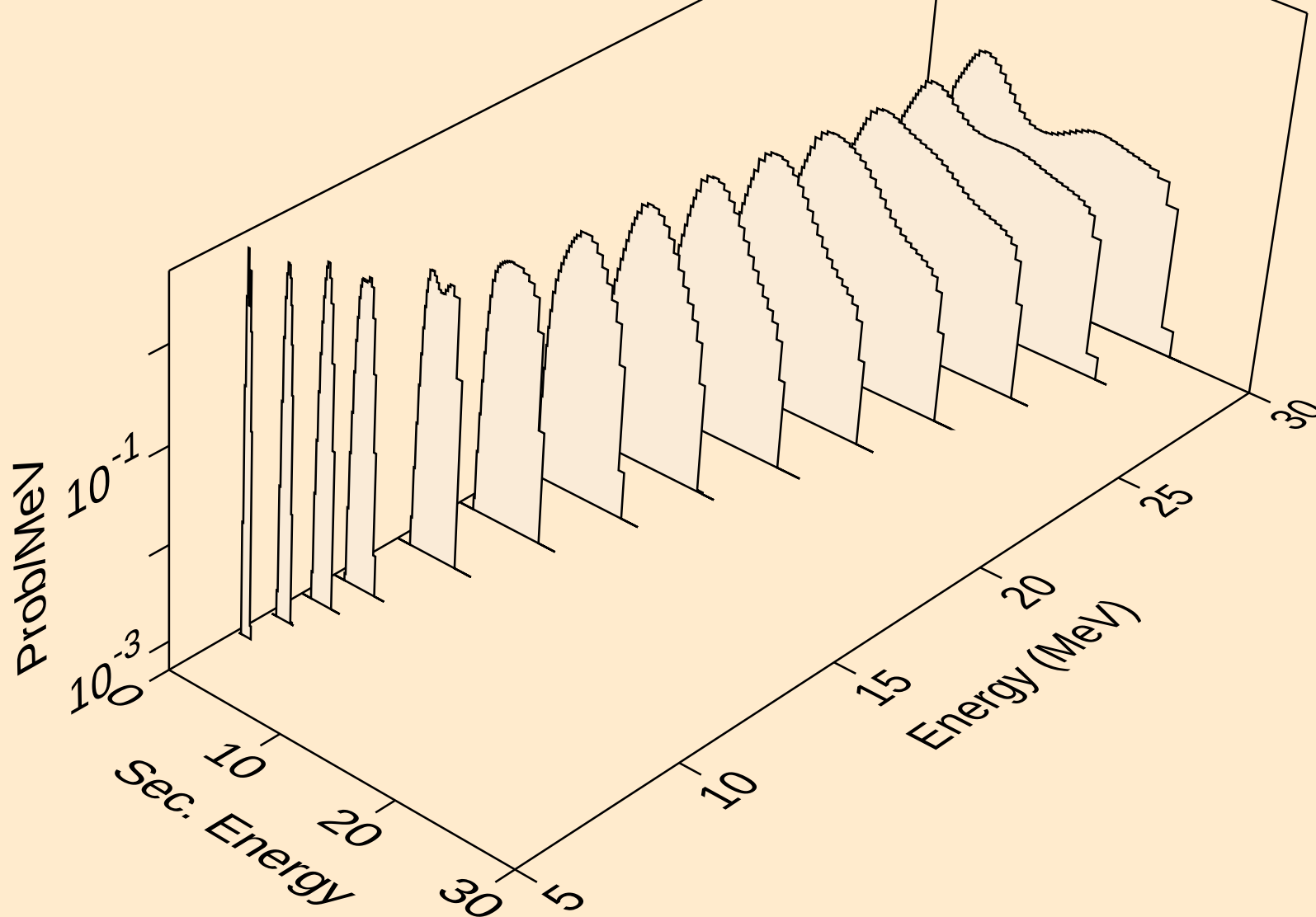


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



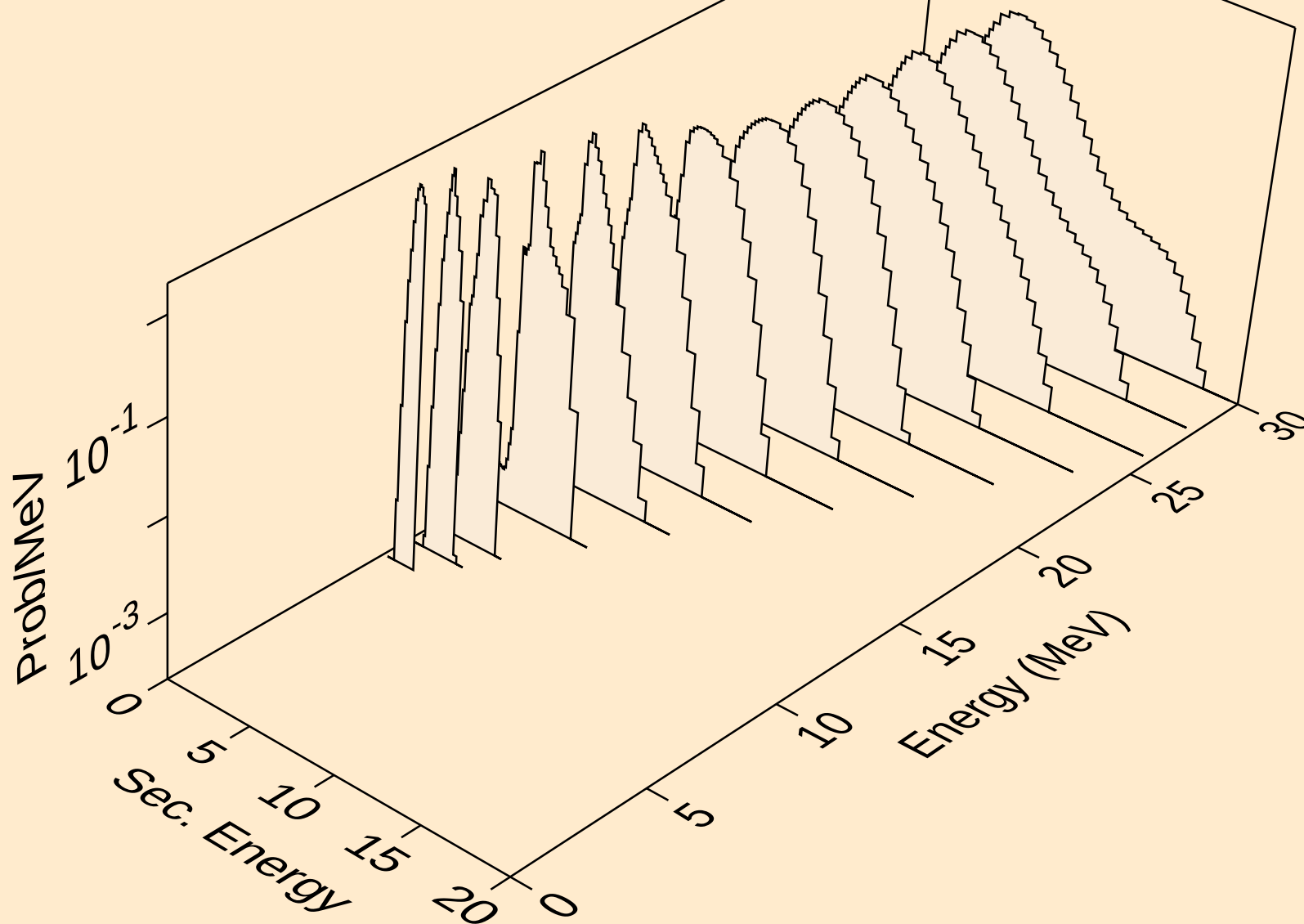
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2p)



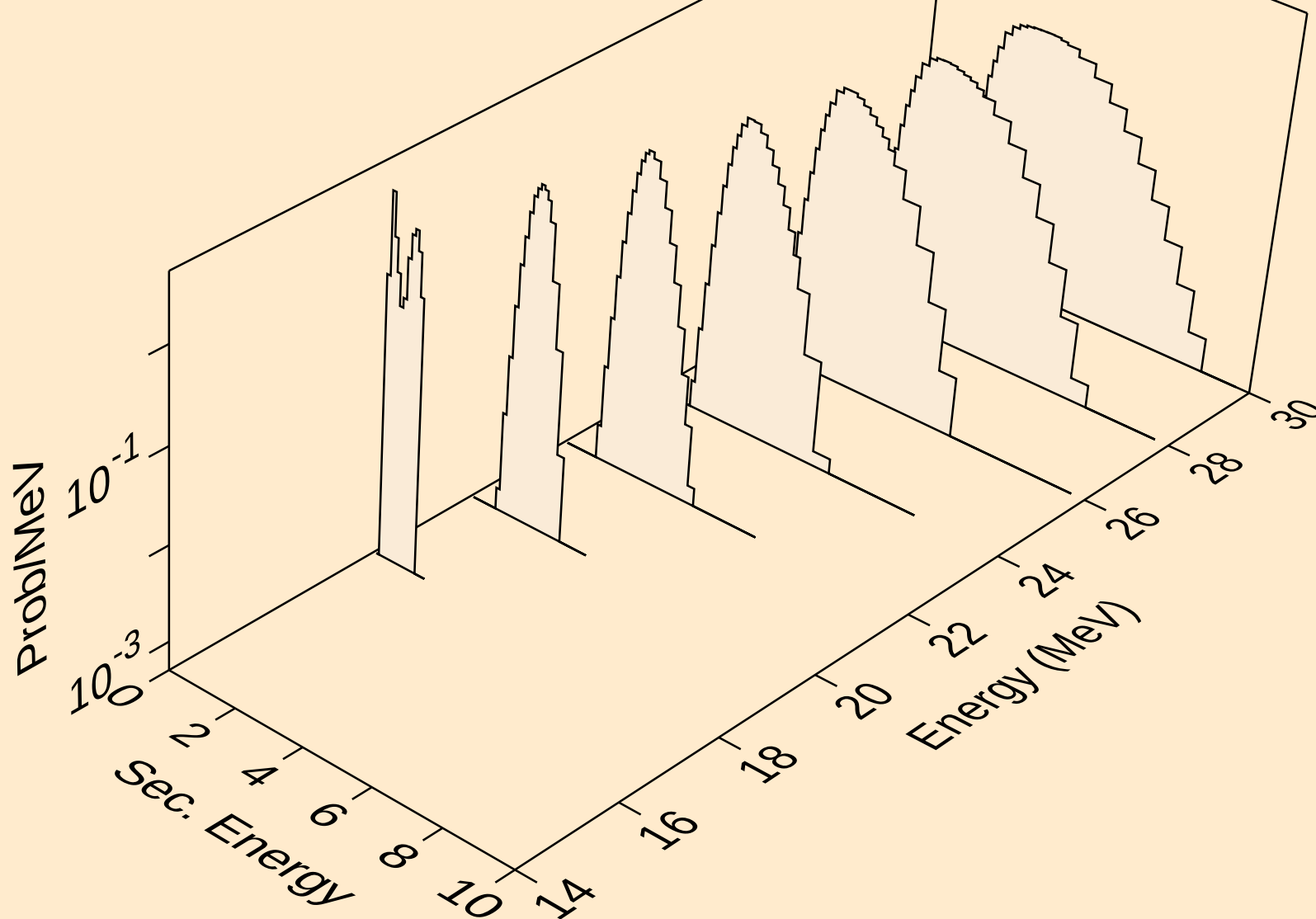
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pa)



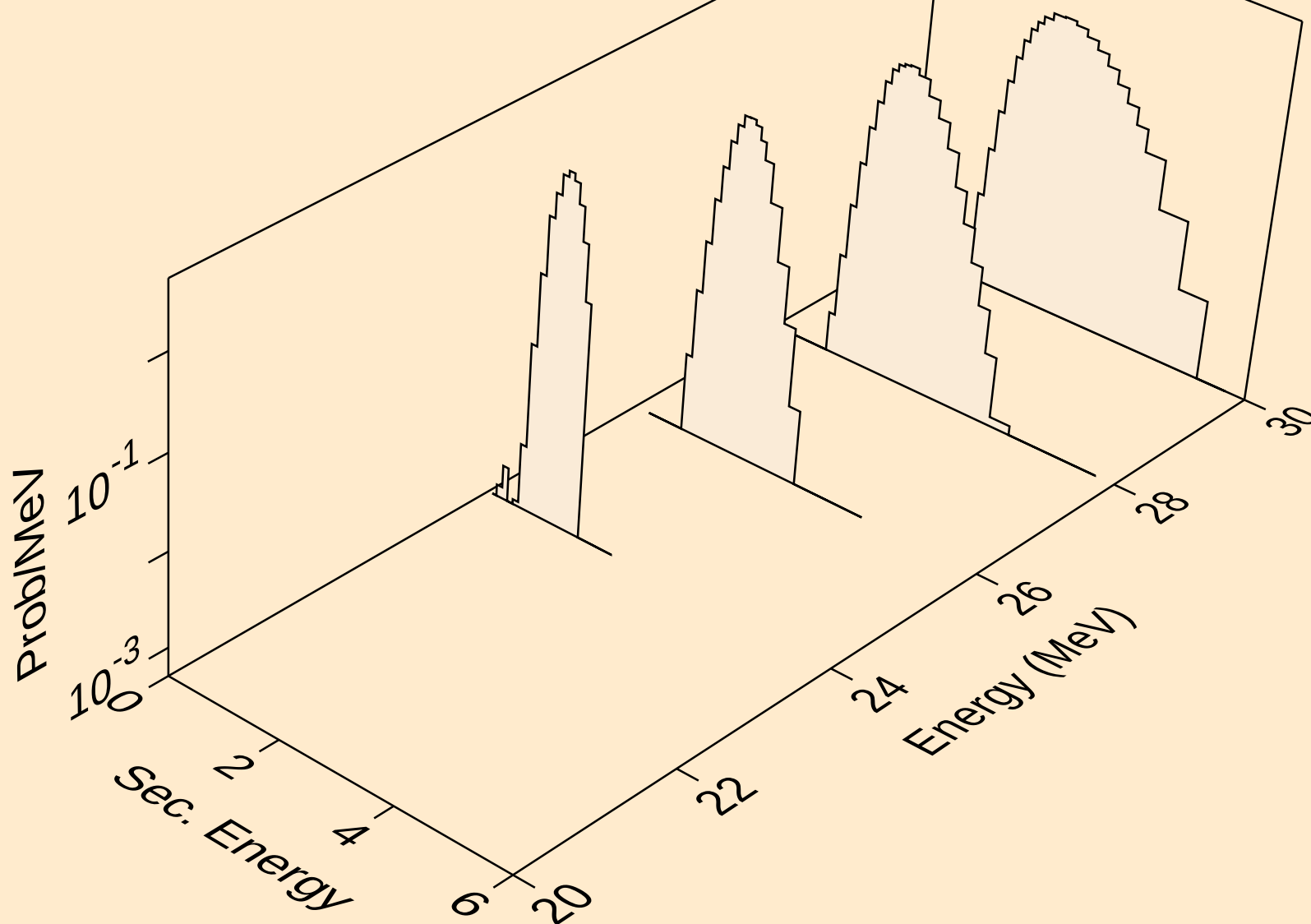
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pd)

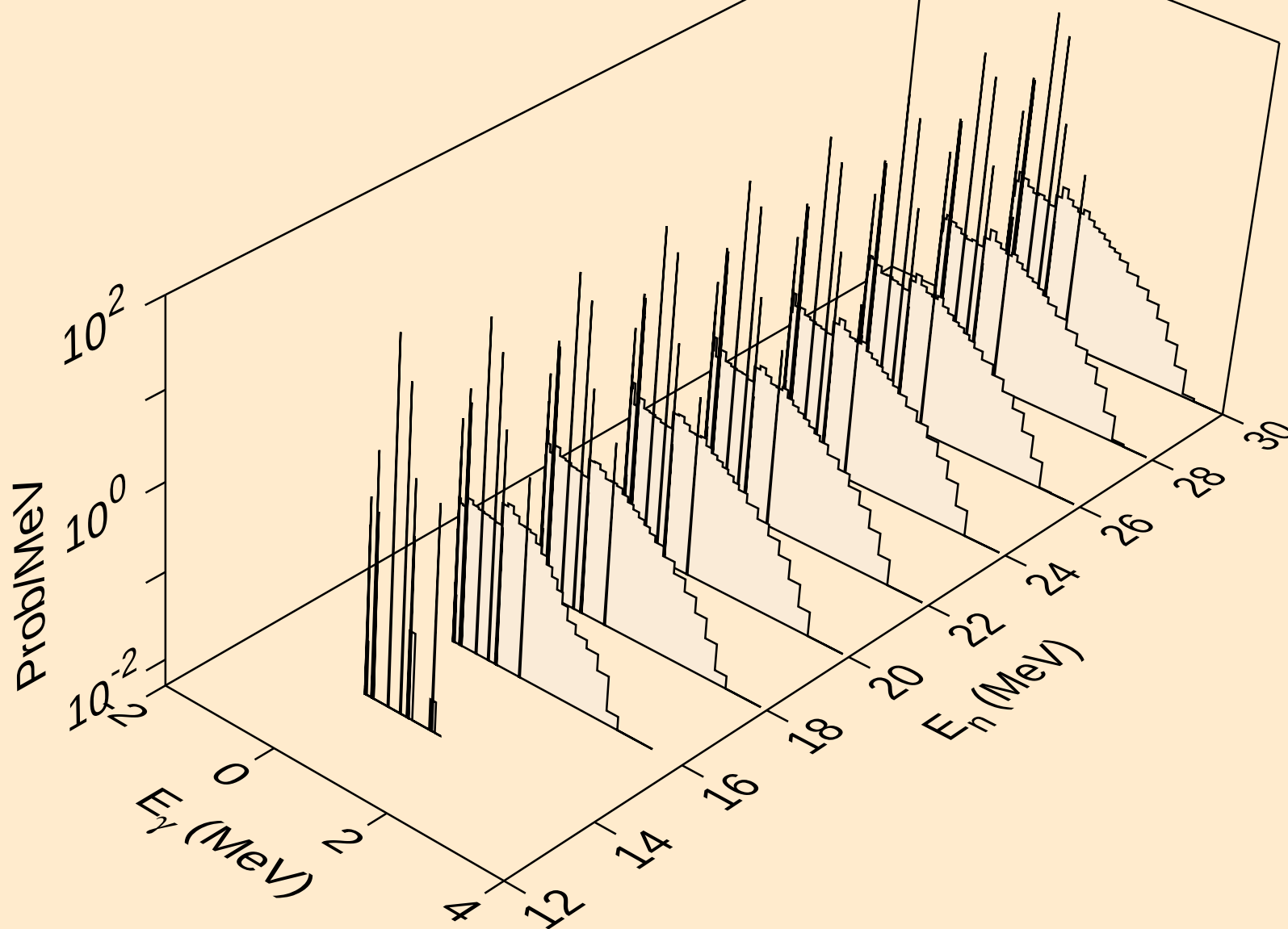


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

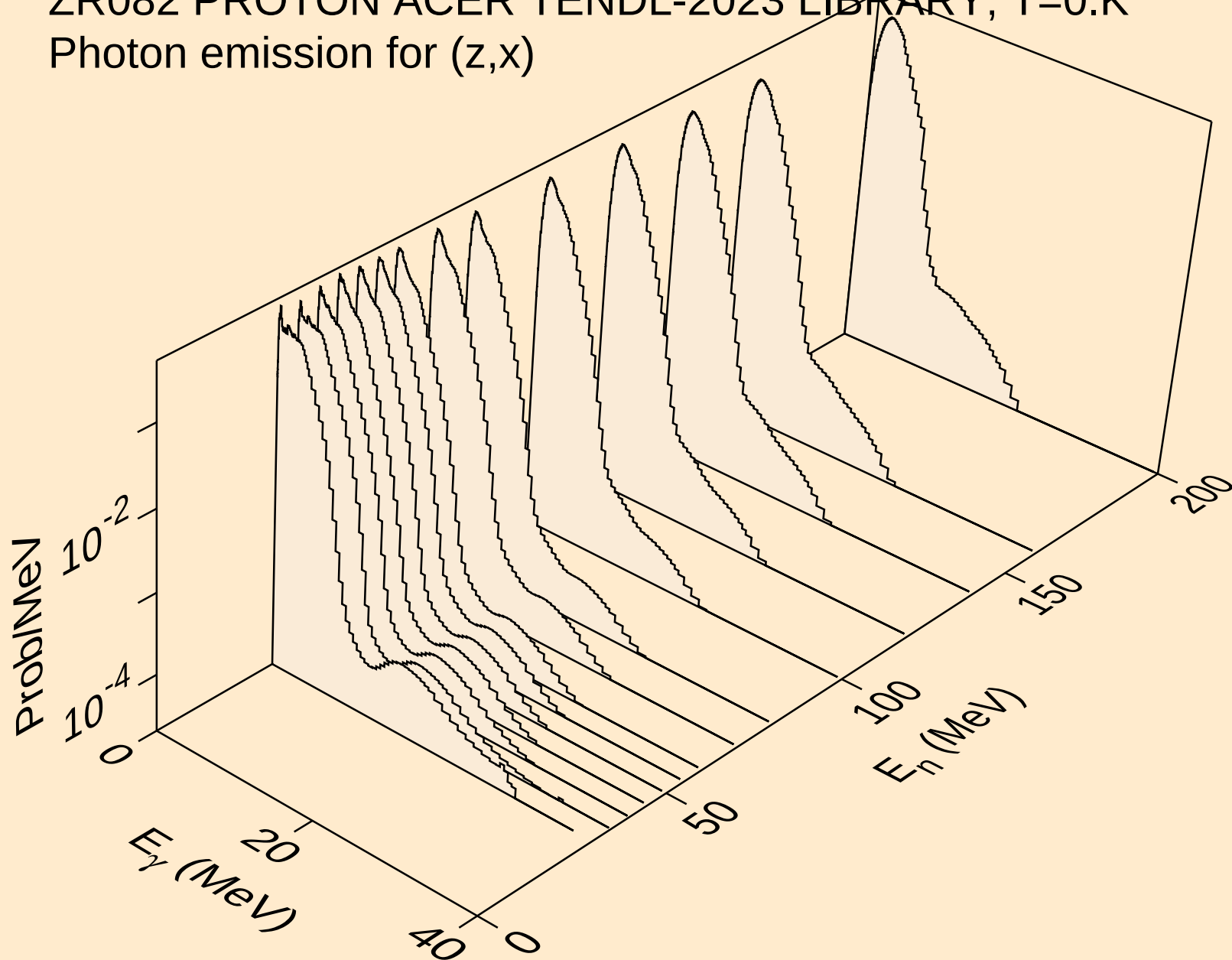


ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (z,n)



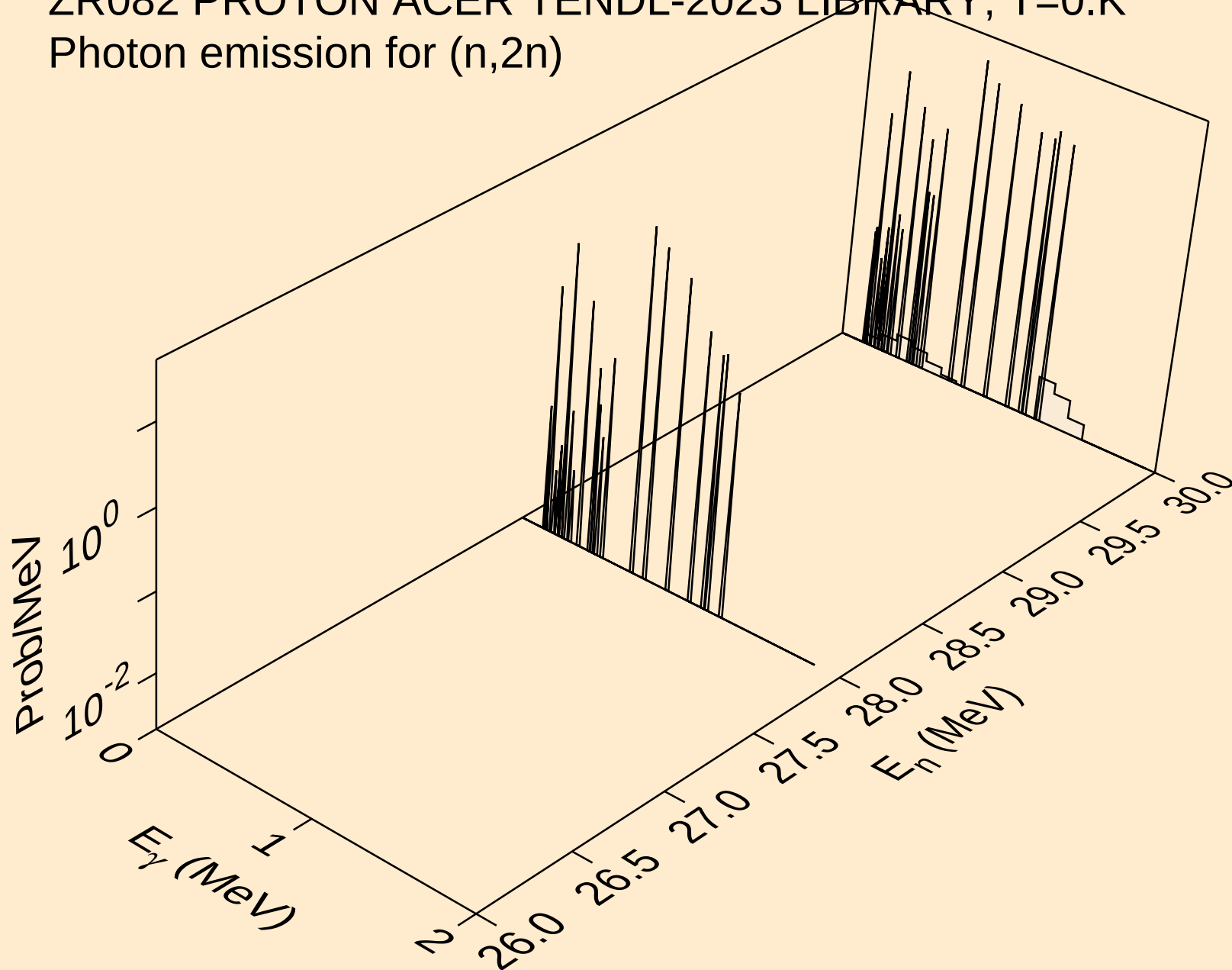
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)



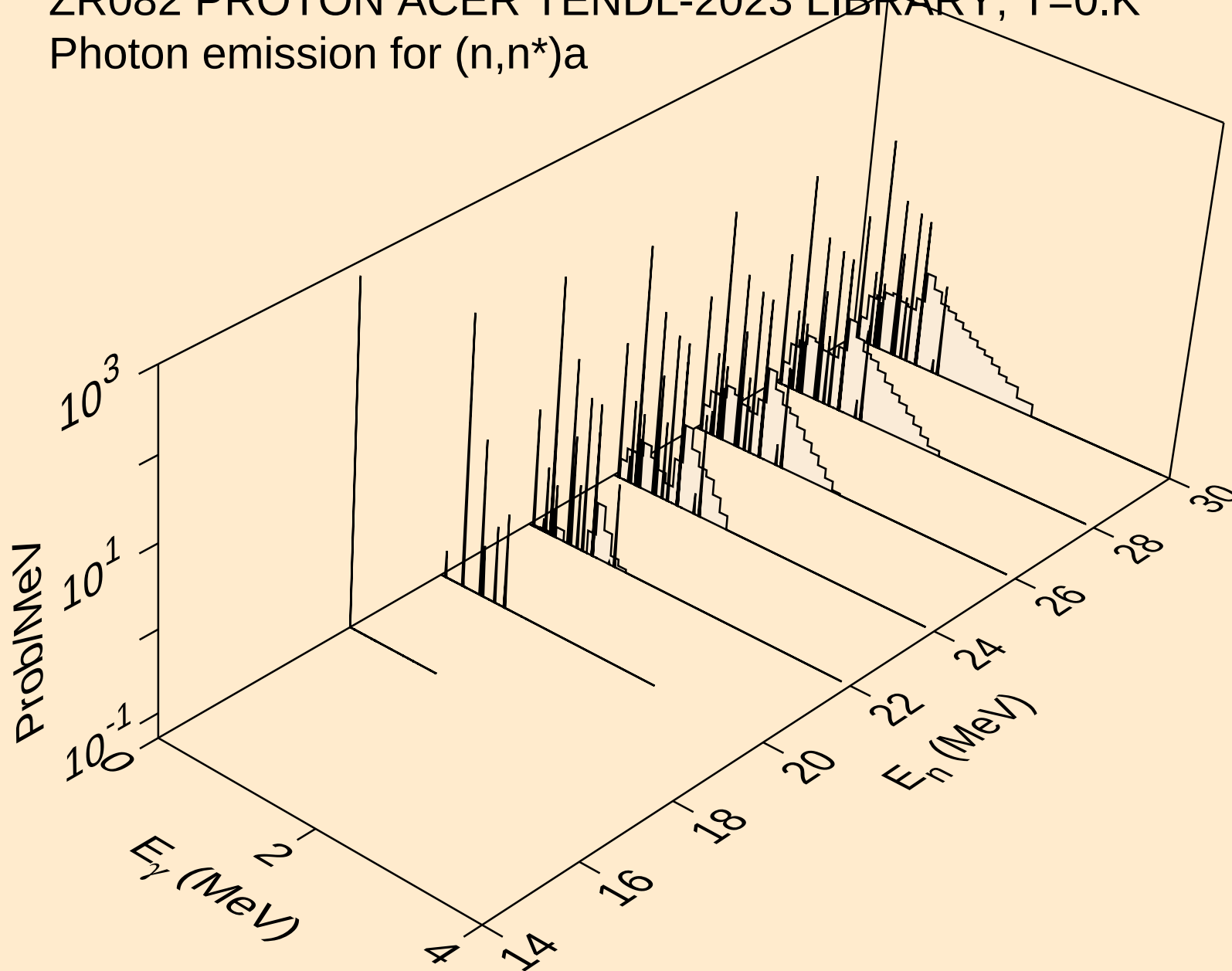
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

Photon emission for (n,2n)



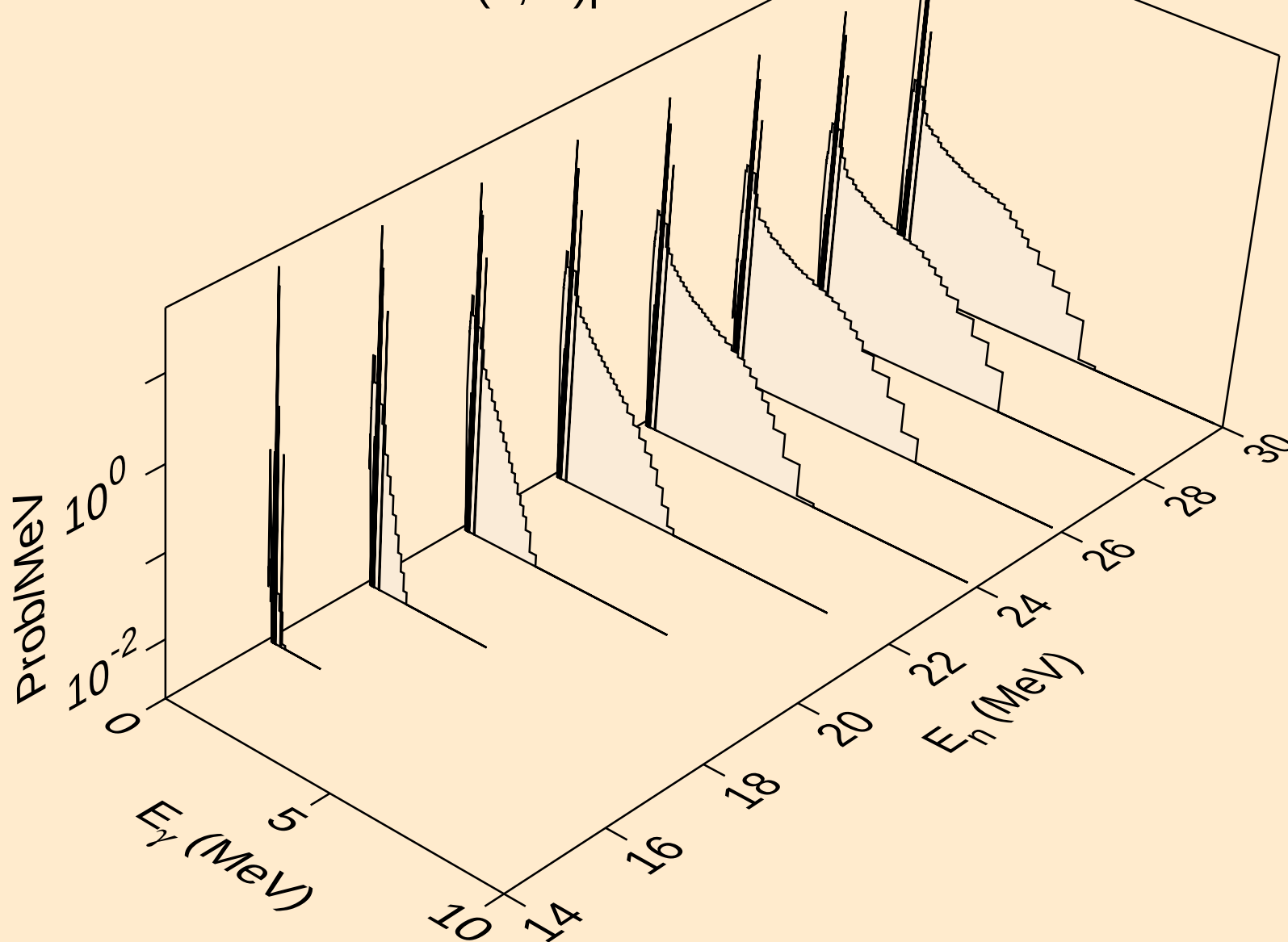
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

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



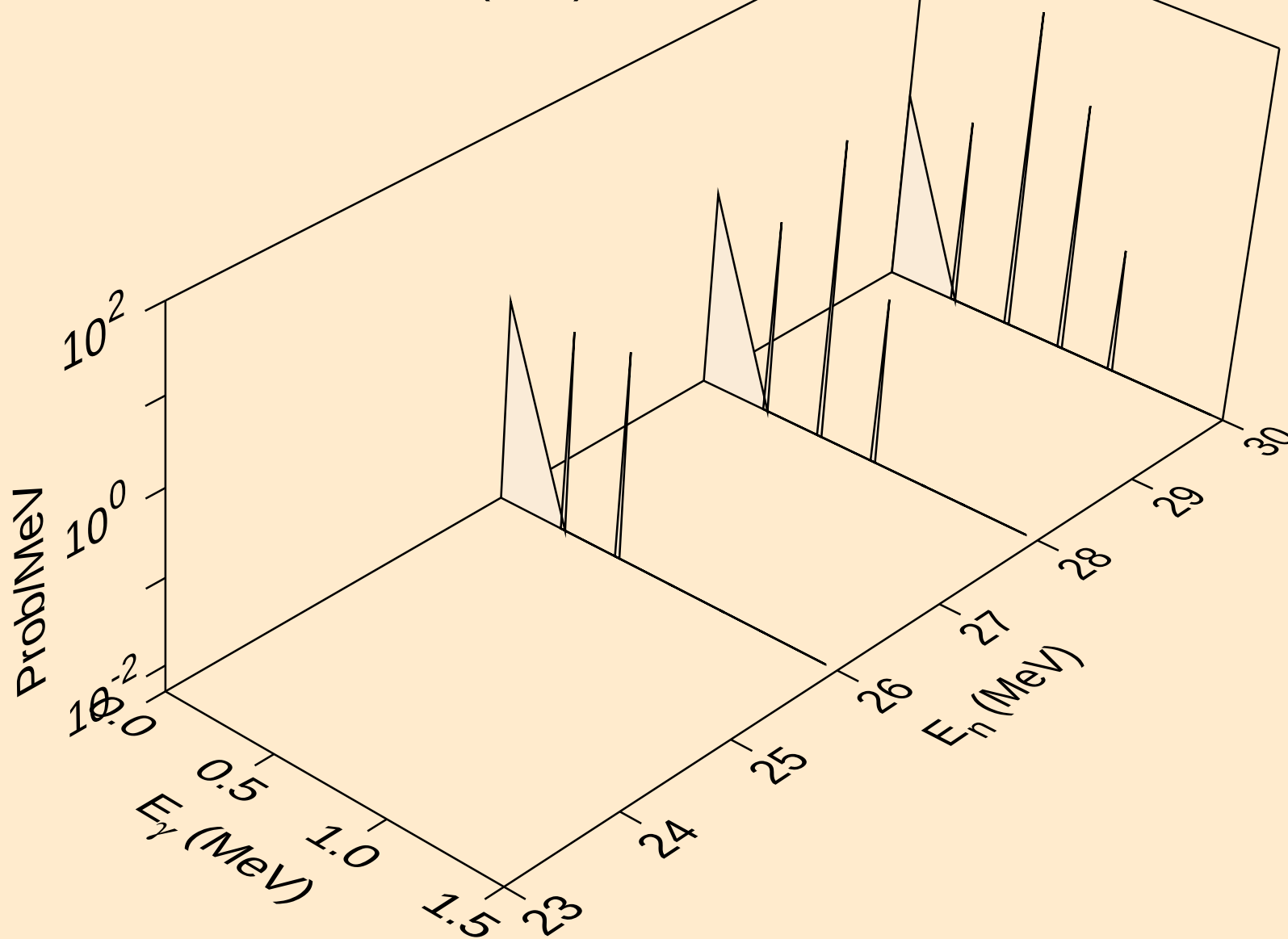
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p

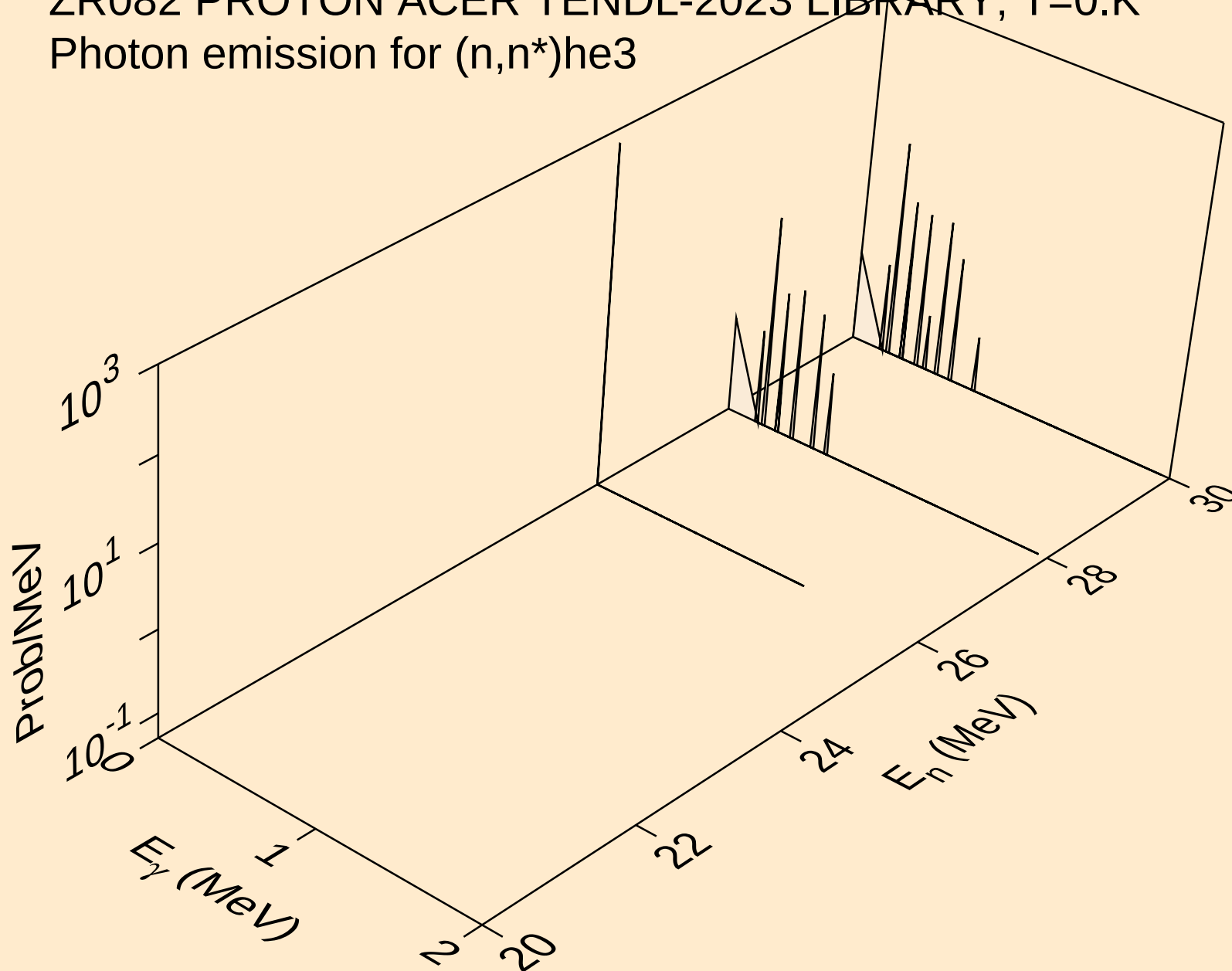


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

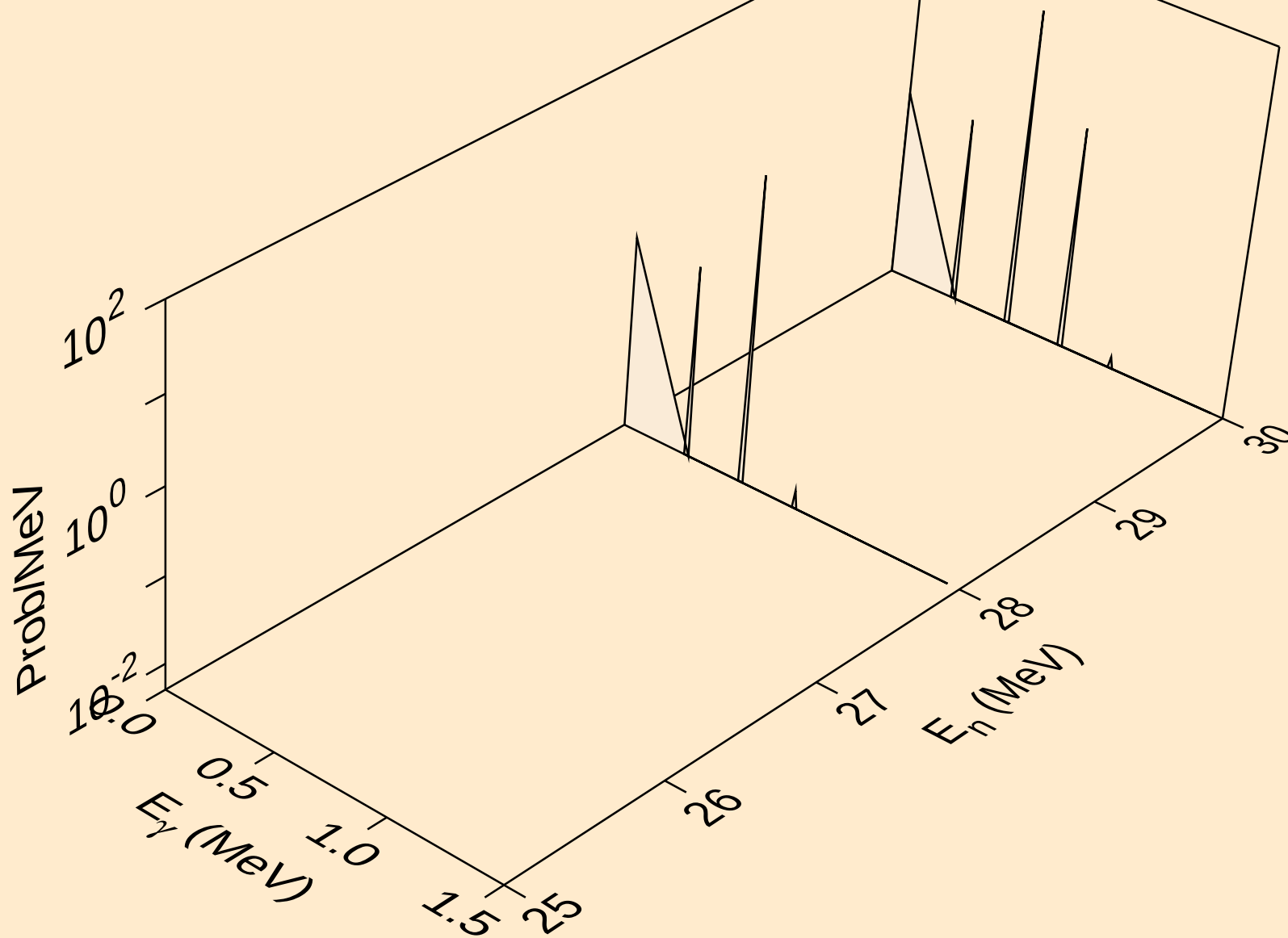
Photon emission for (n,n*)d



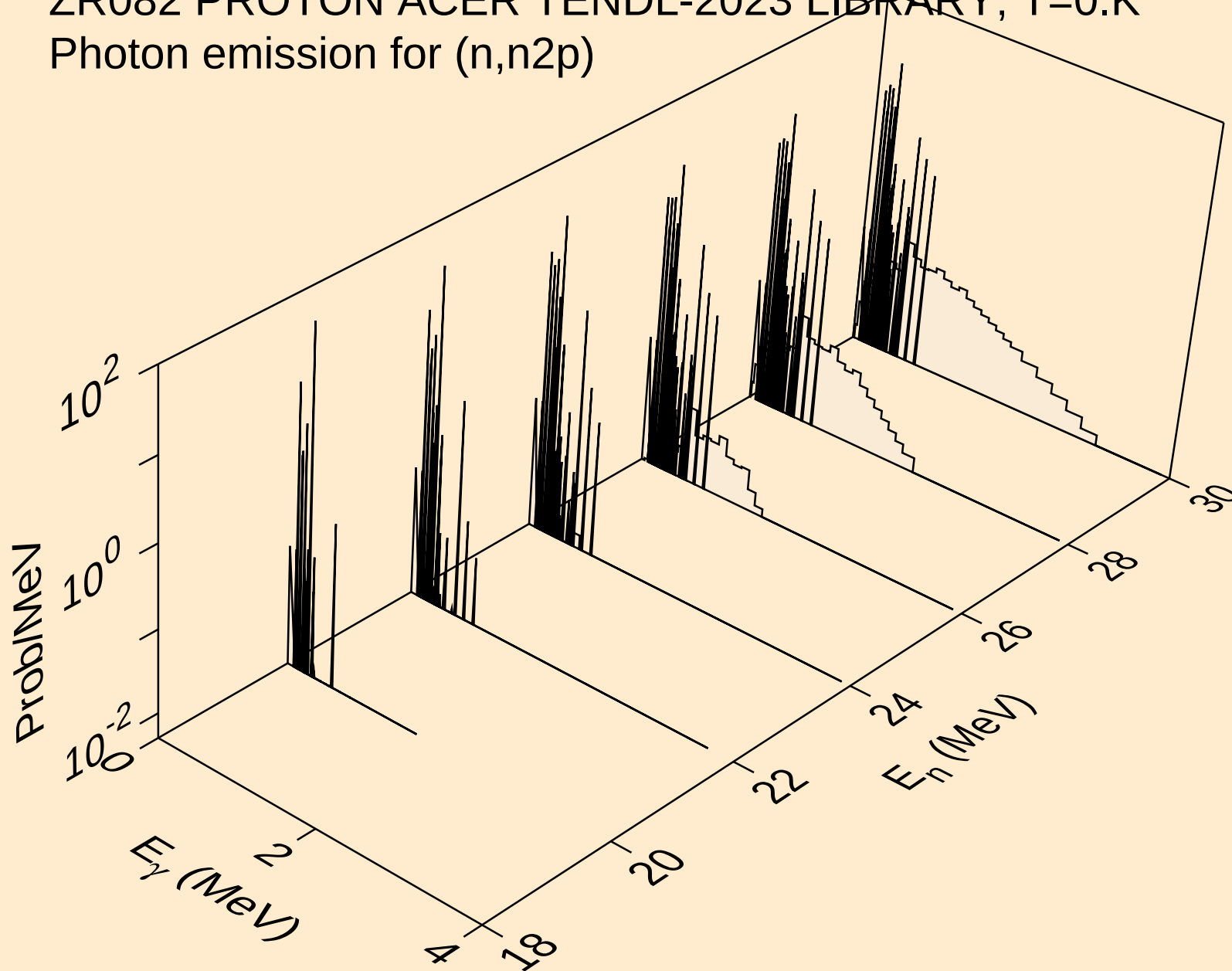
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



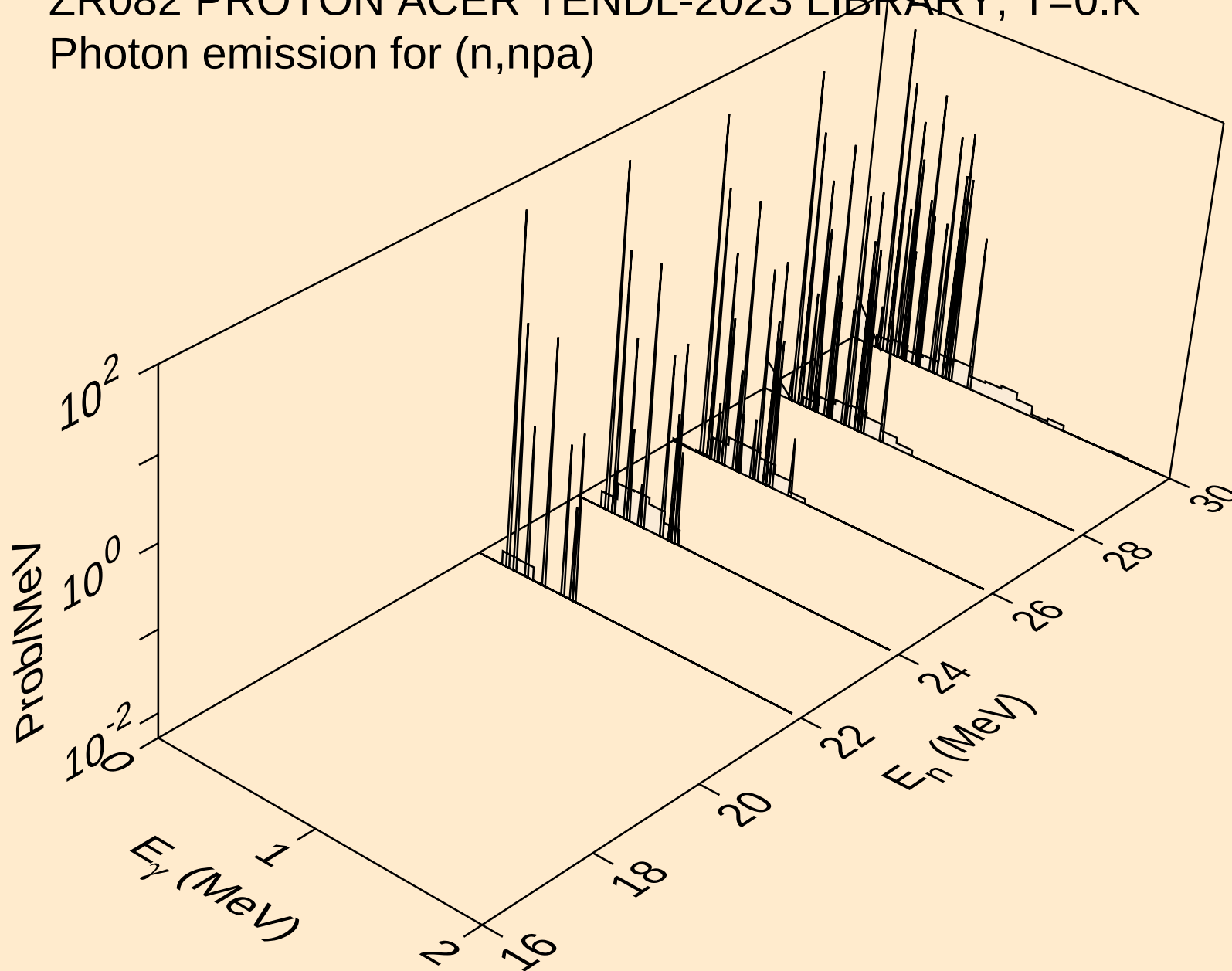
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



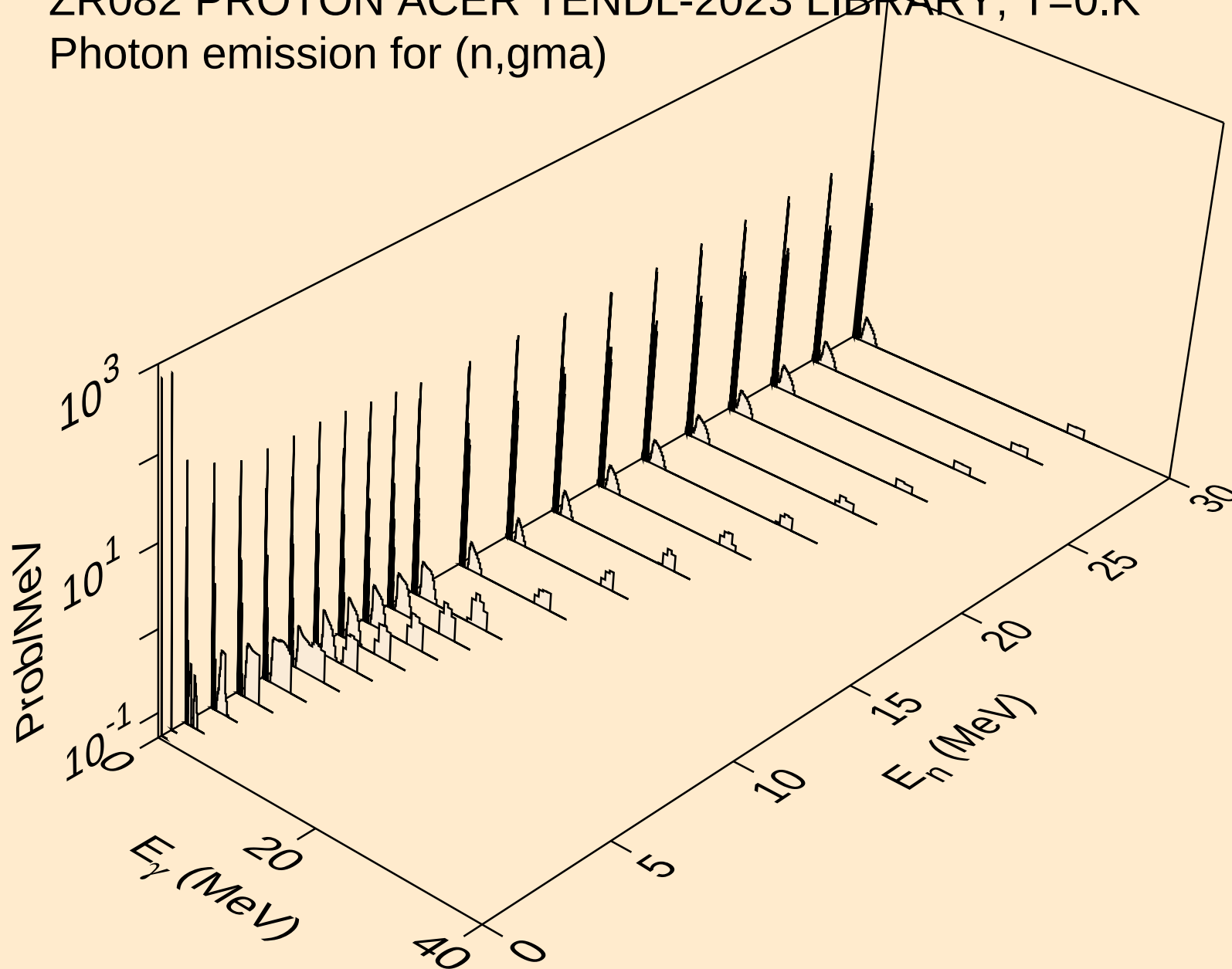
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,n2p)



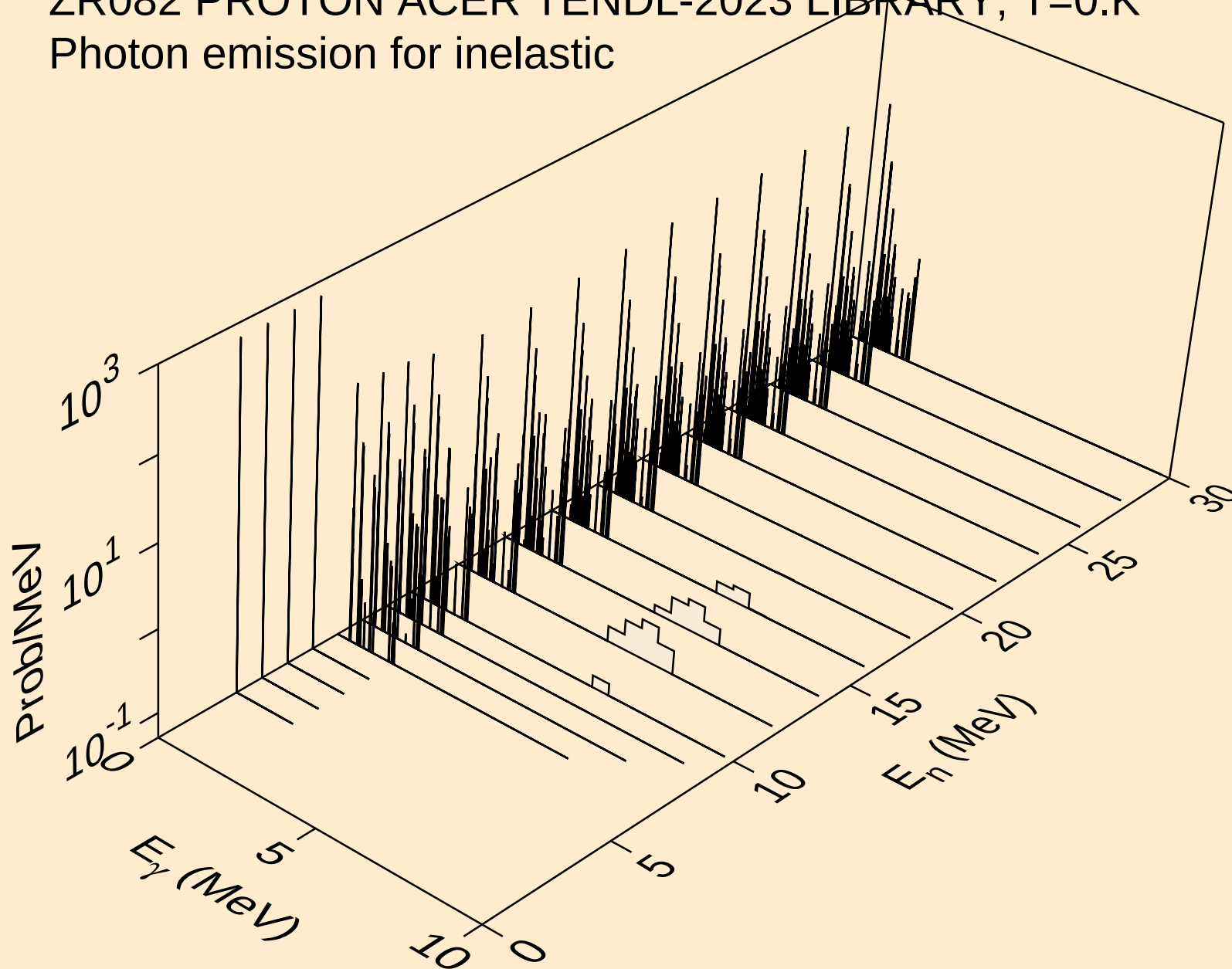
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,npa)



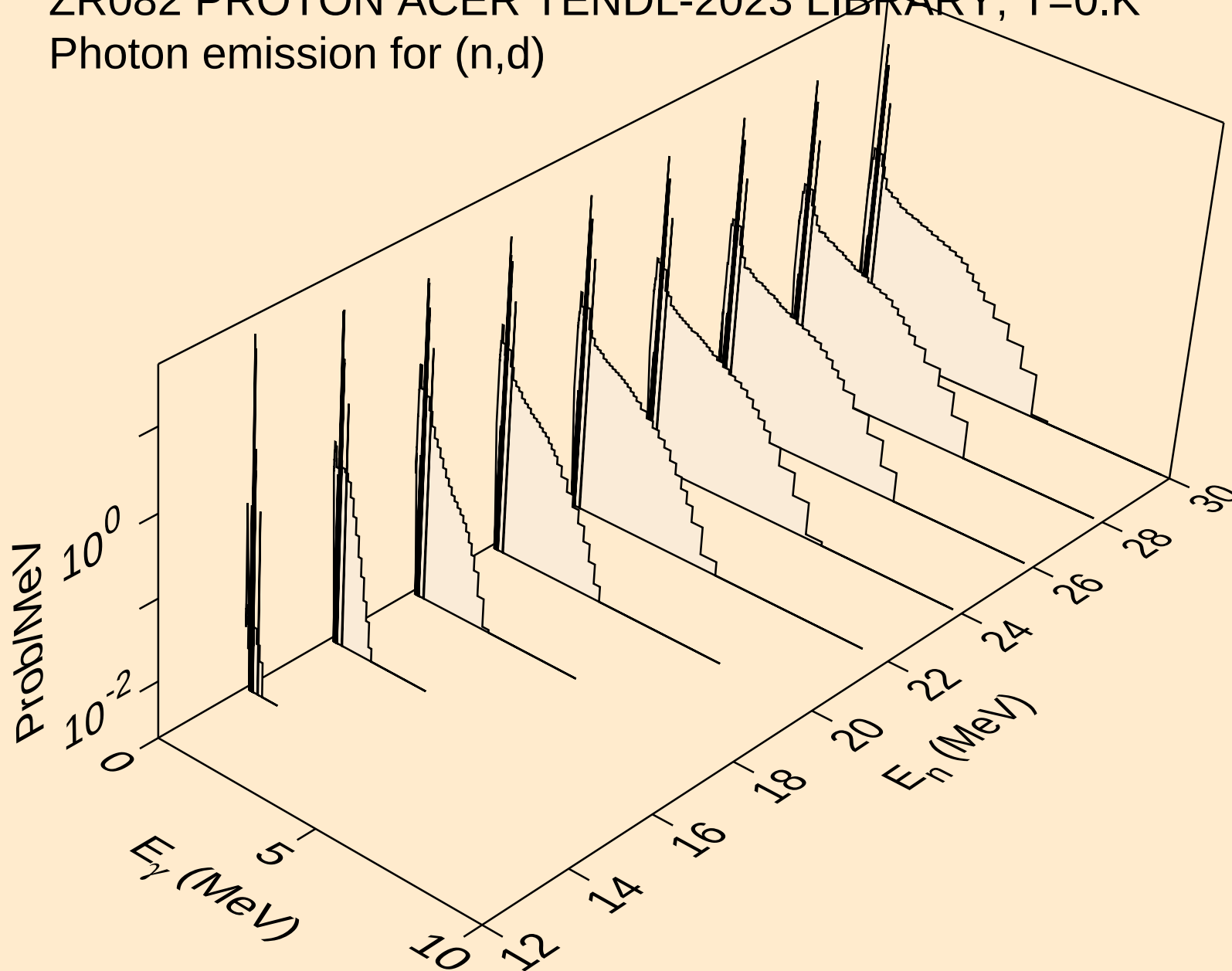
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic

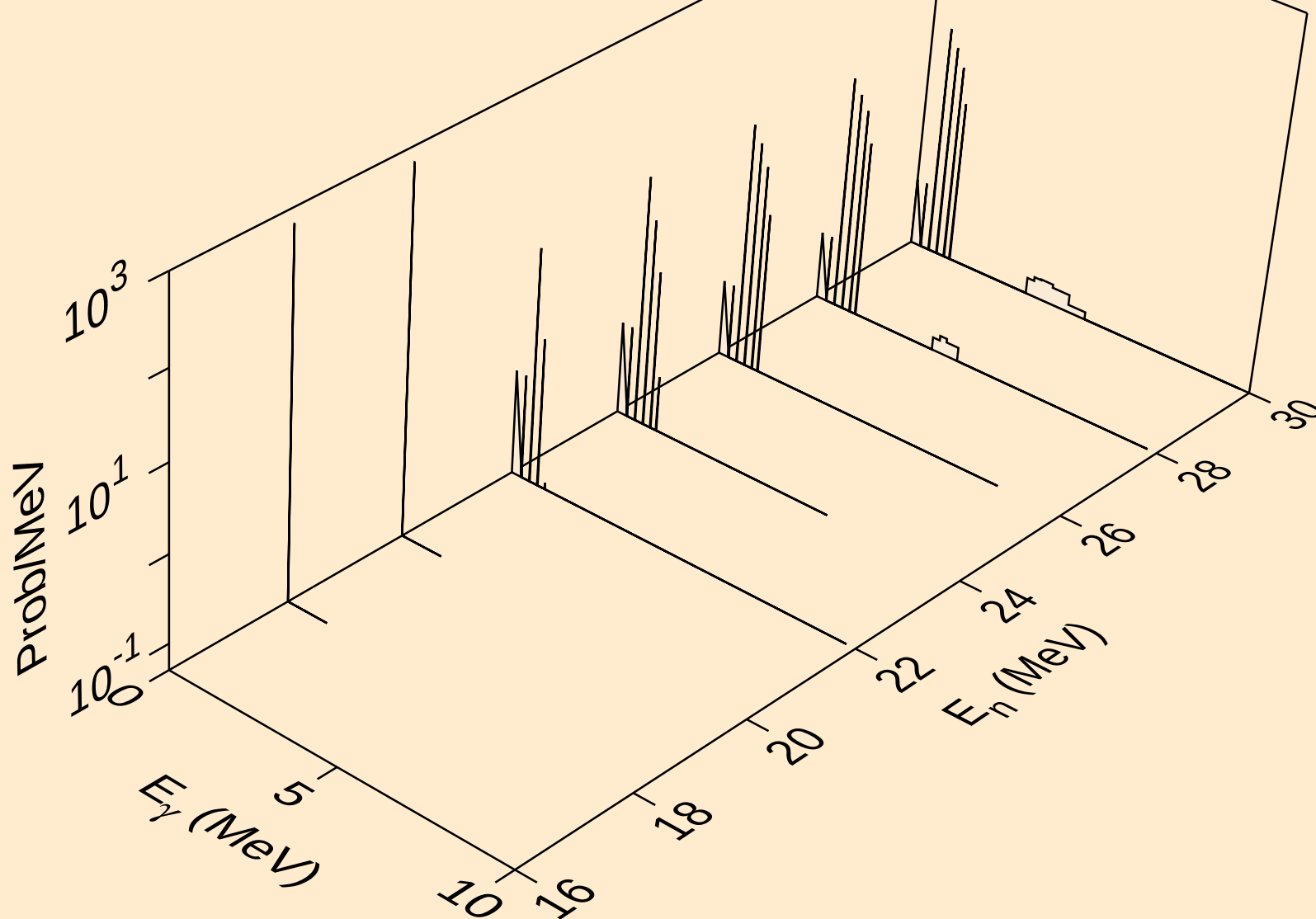


ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,d)

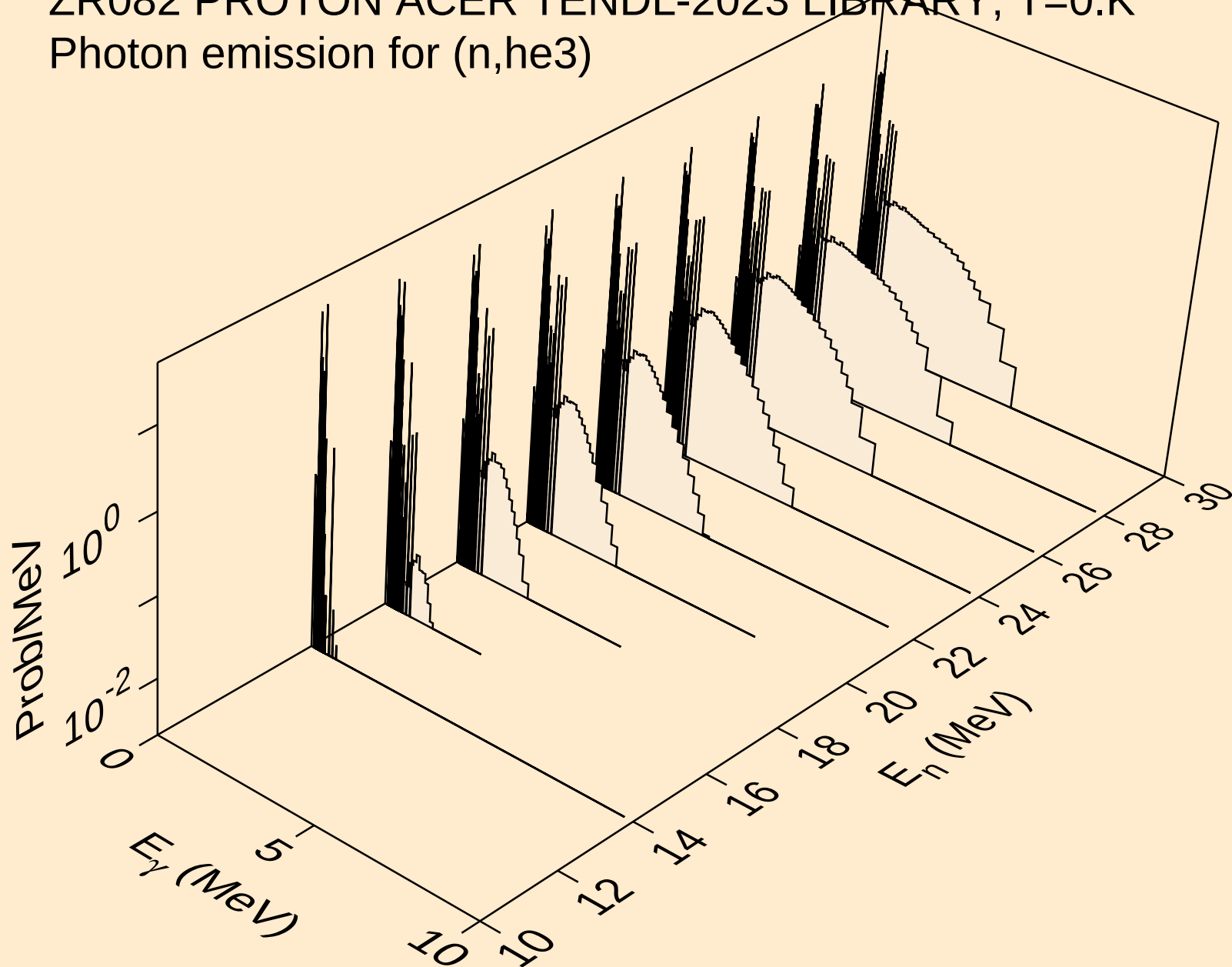


ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$

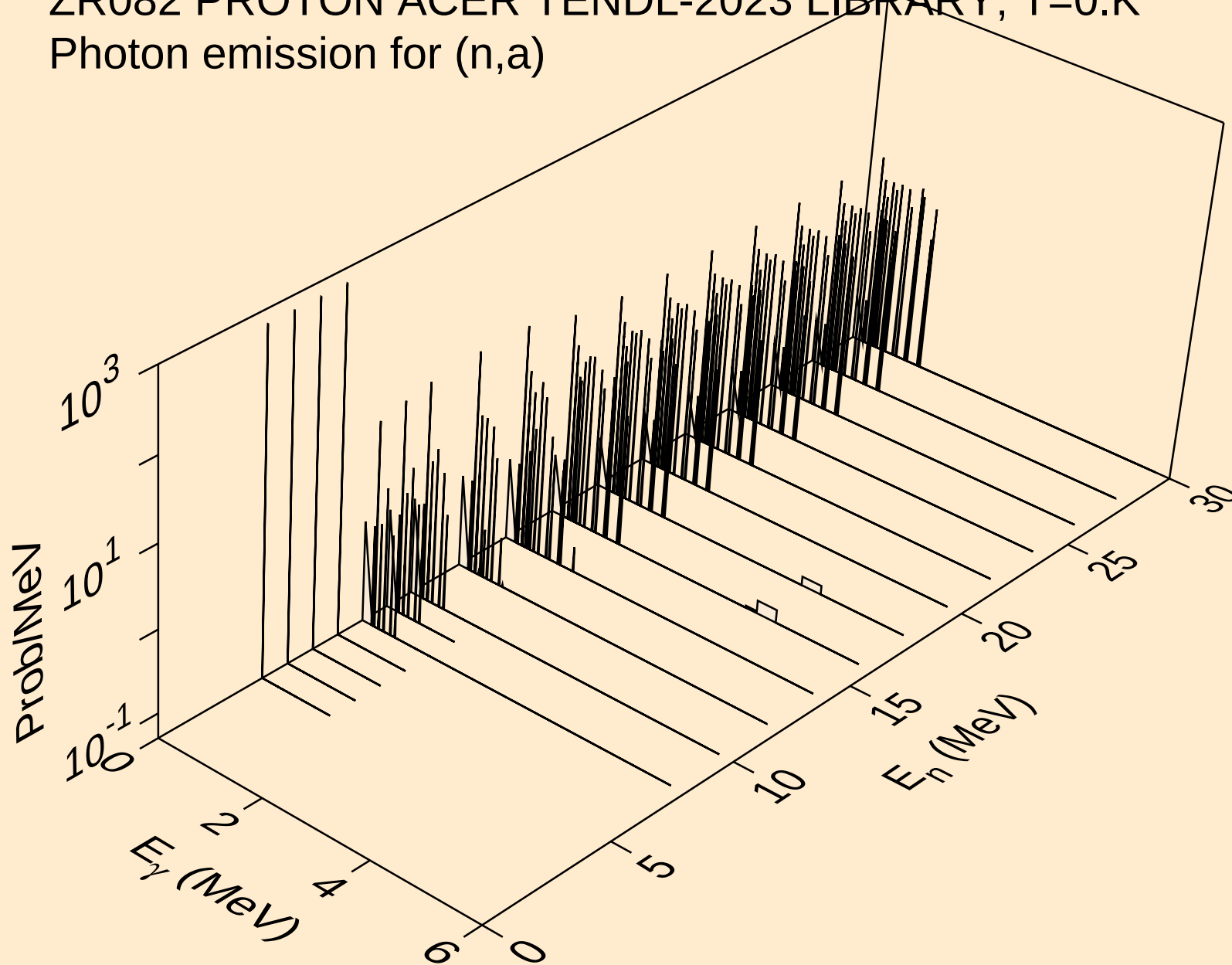
Photon emission for (n,t)



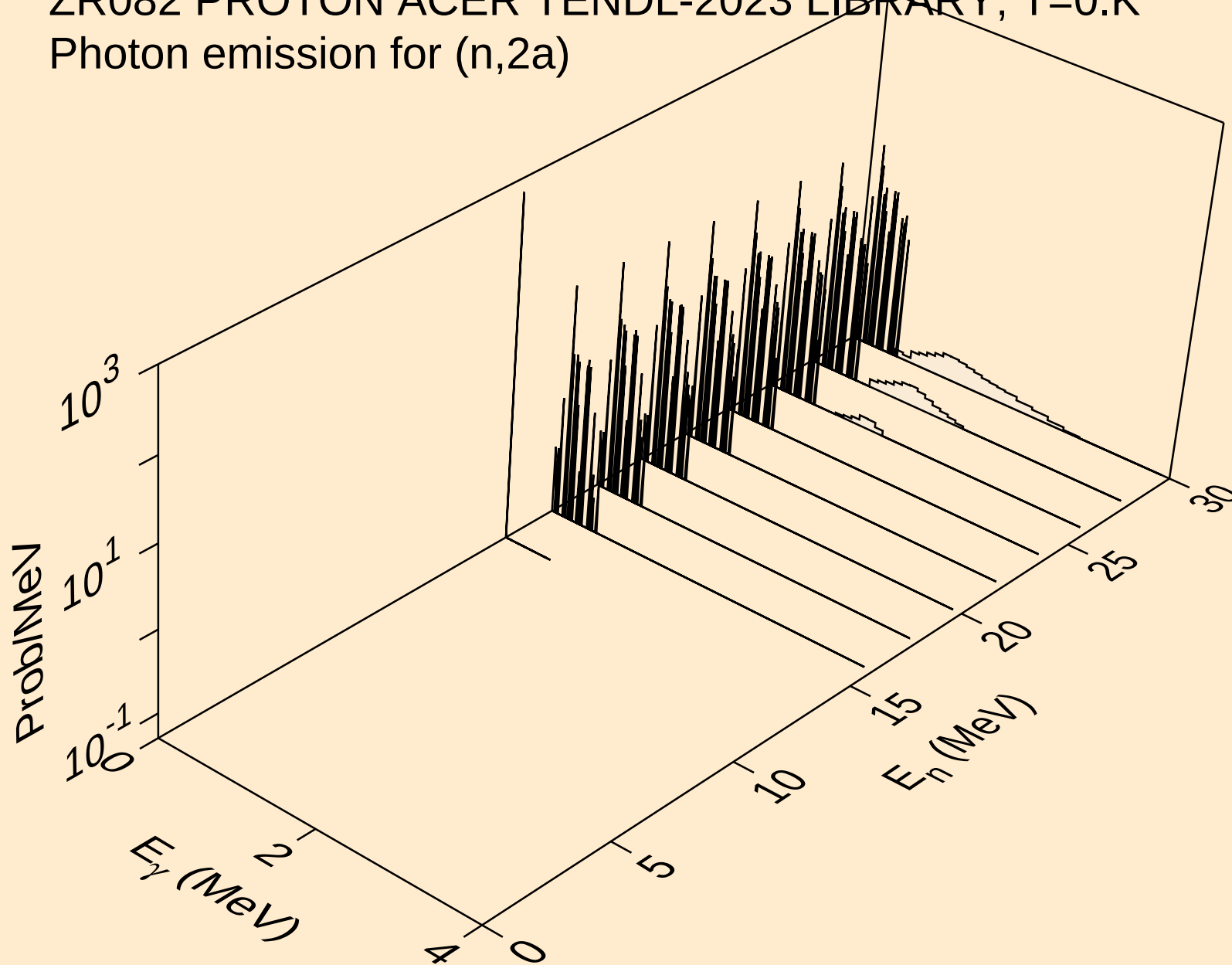
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,he3)



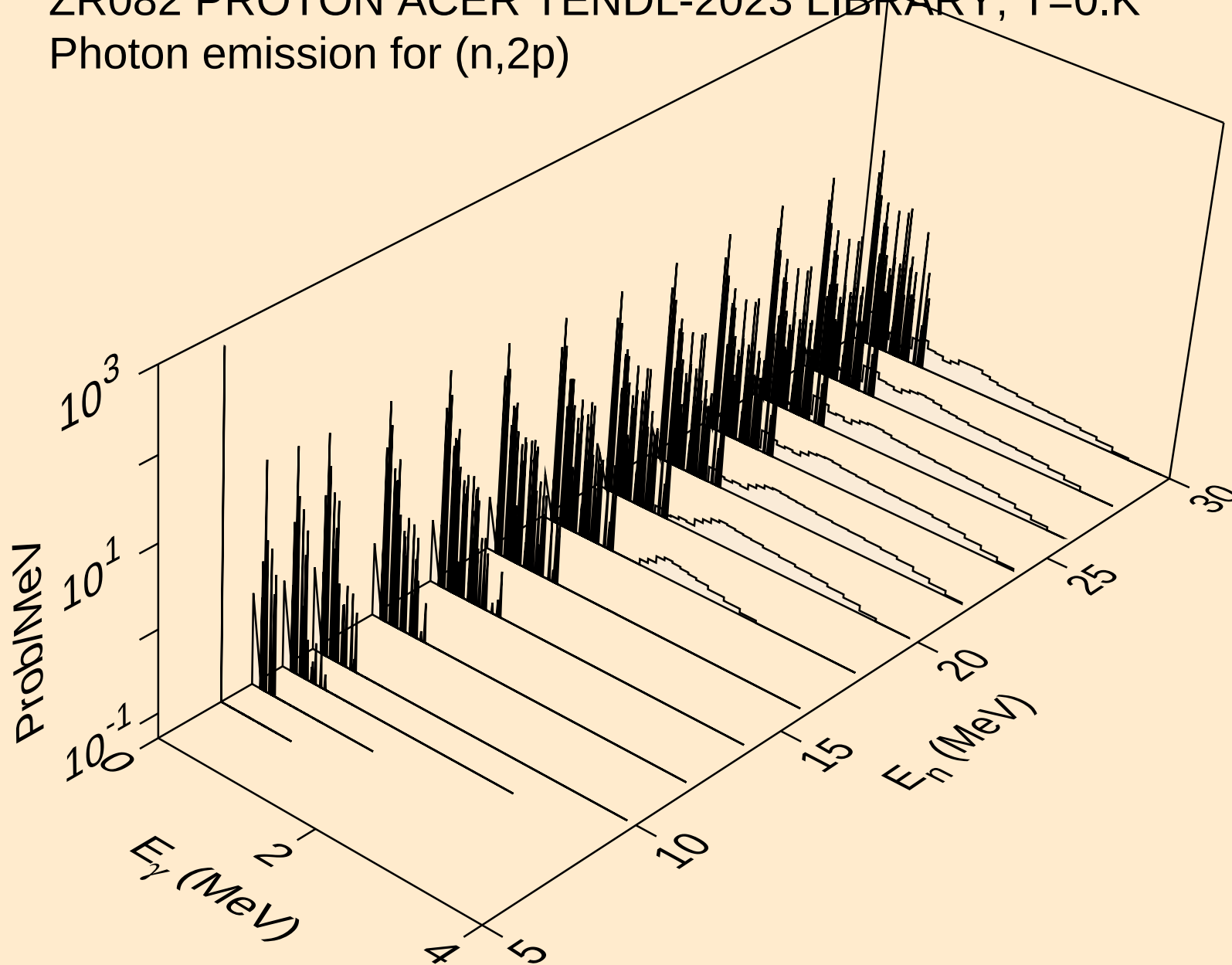
ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)

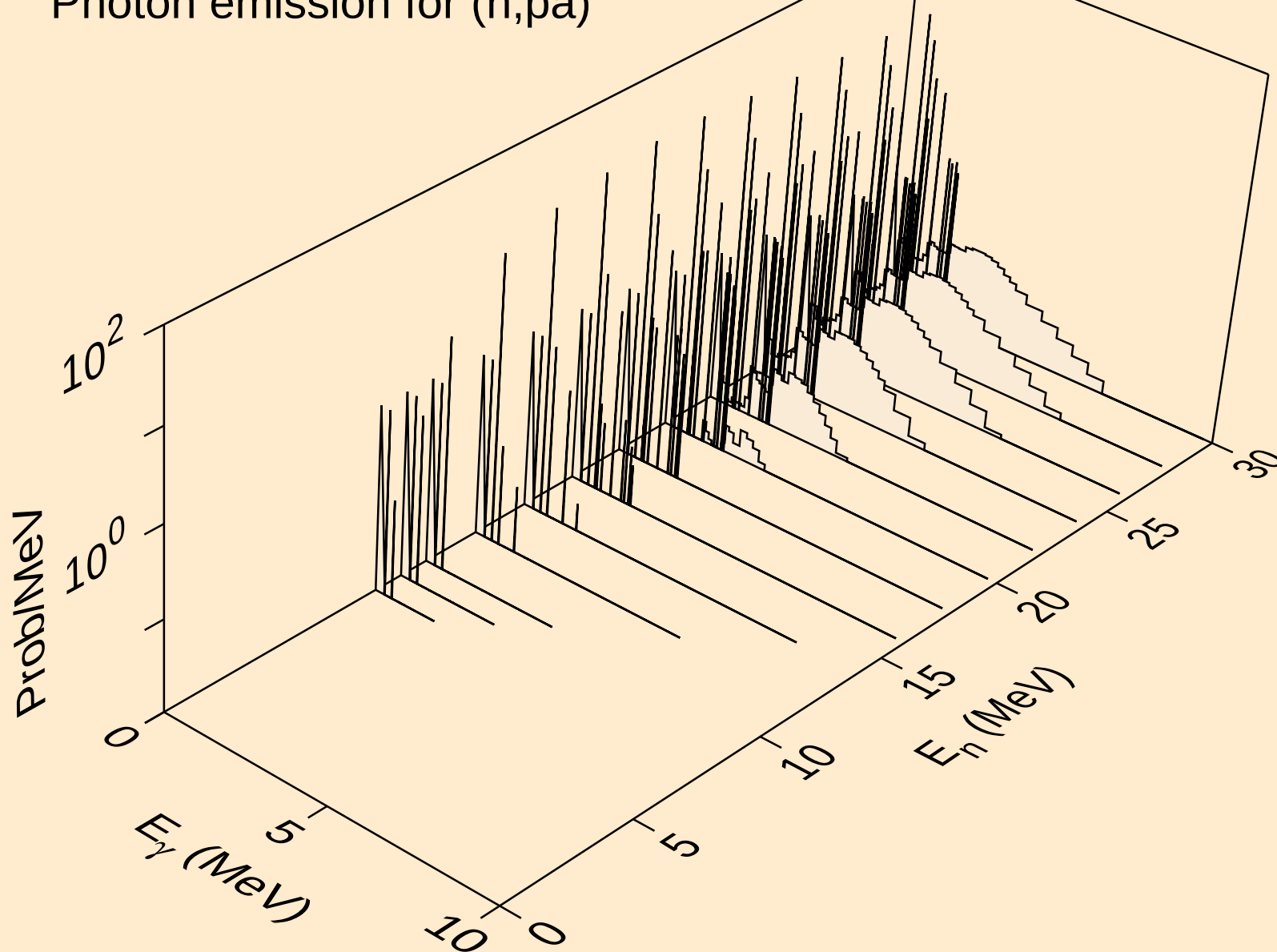


ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2p)

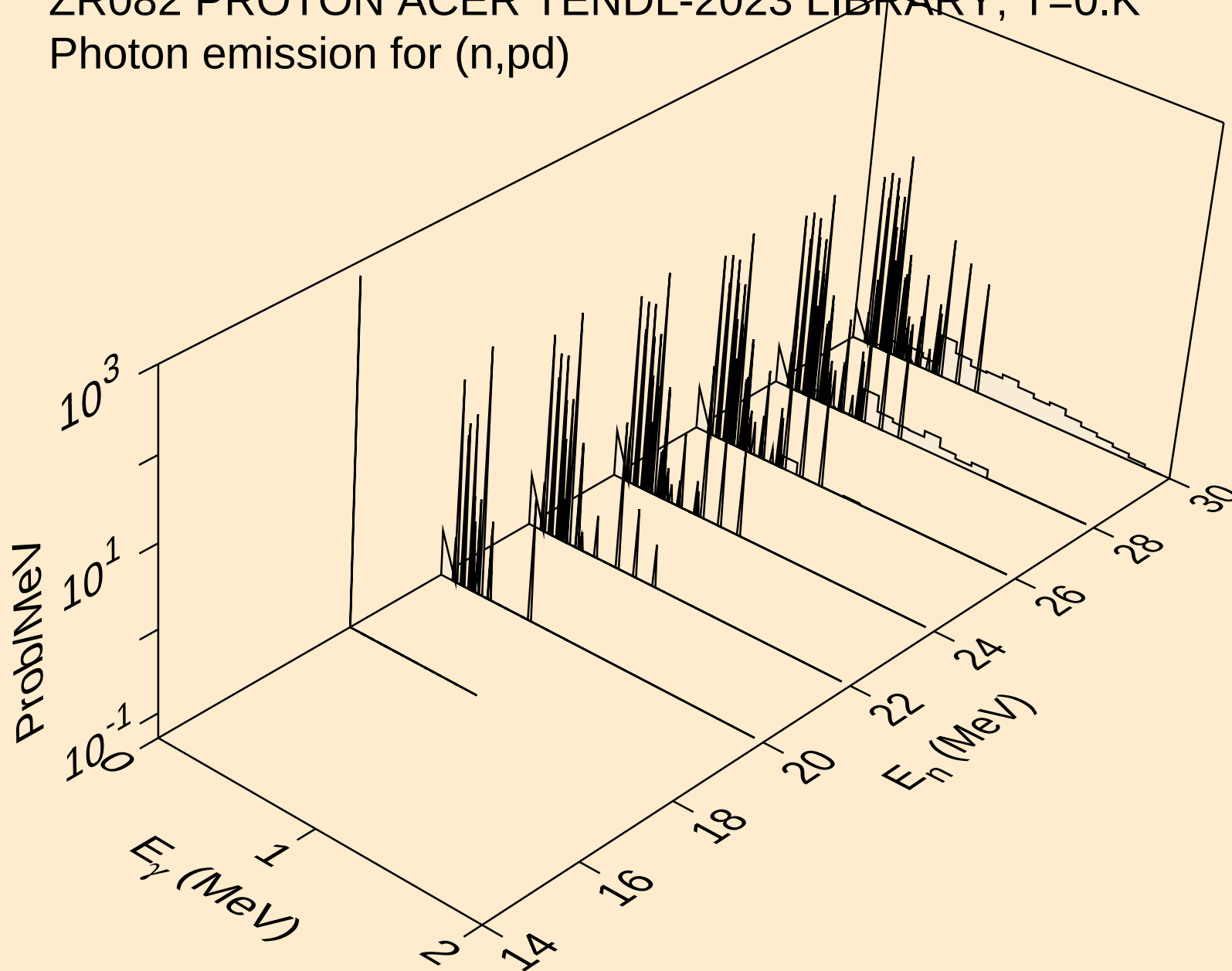


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p α)

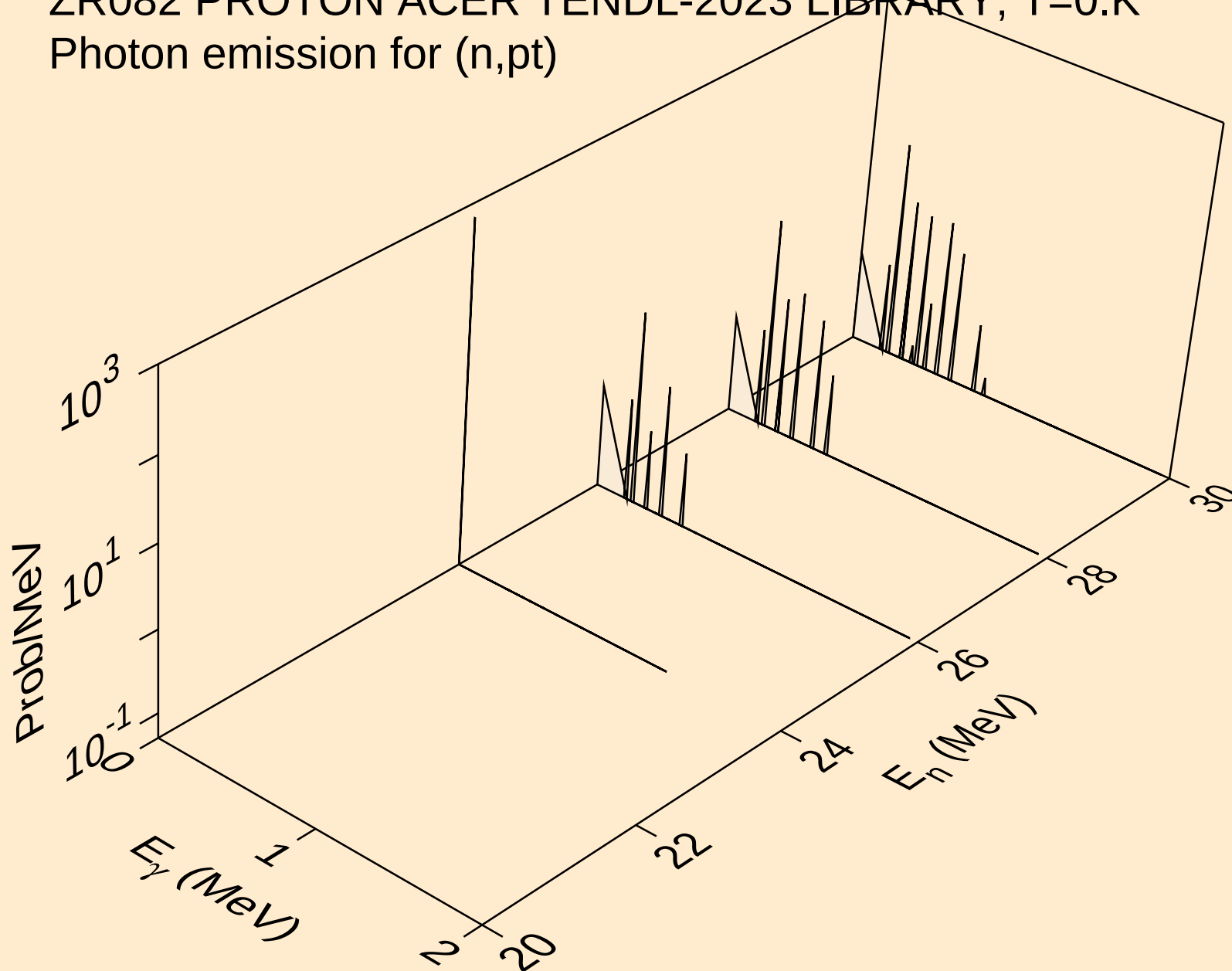


ZR082 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,pd)



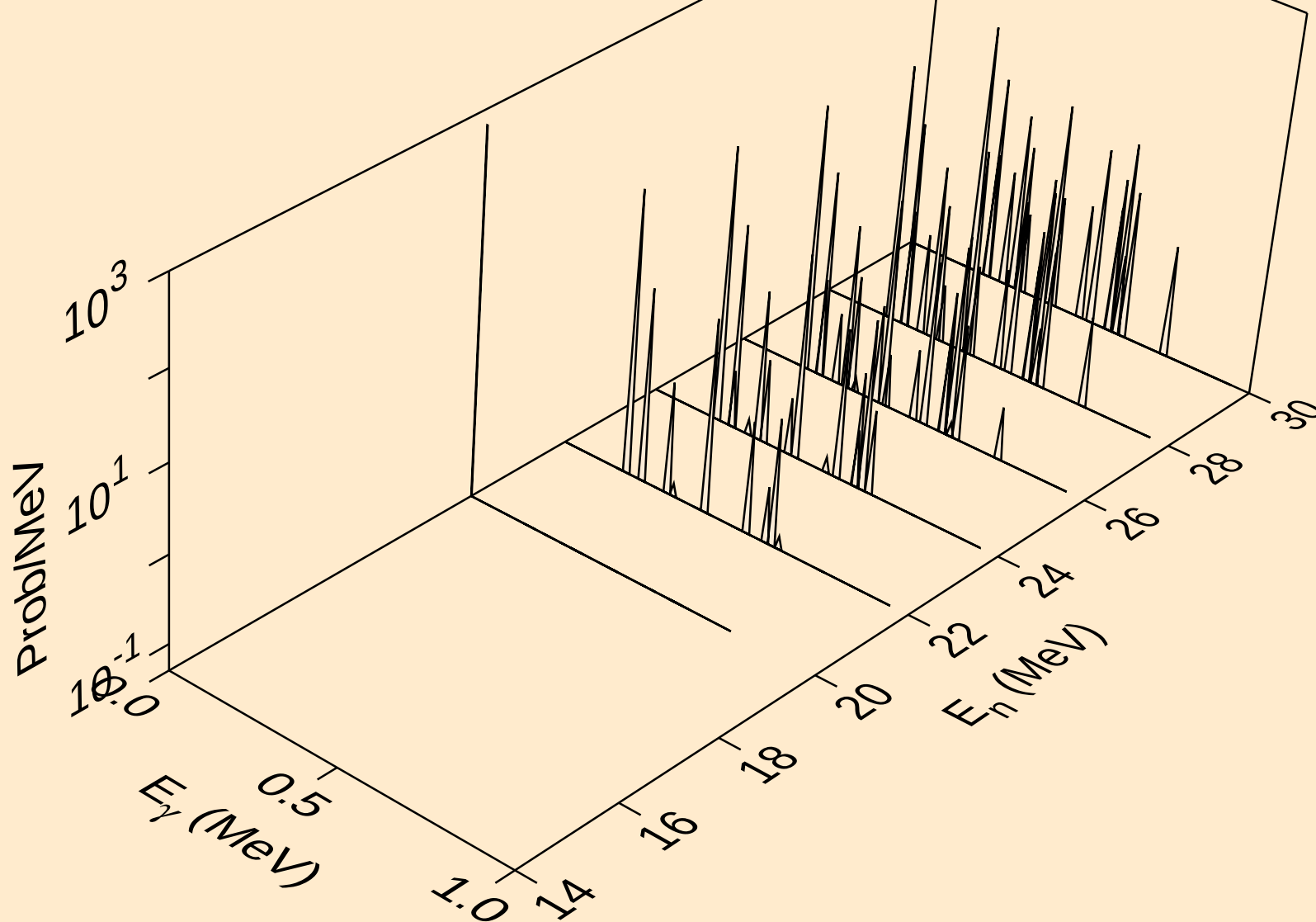
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)



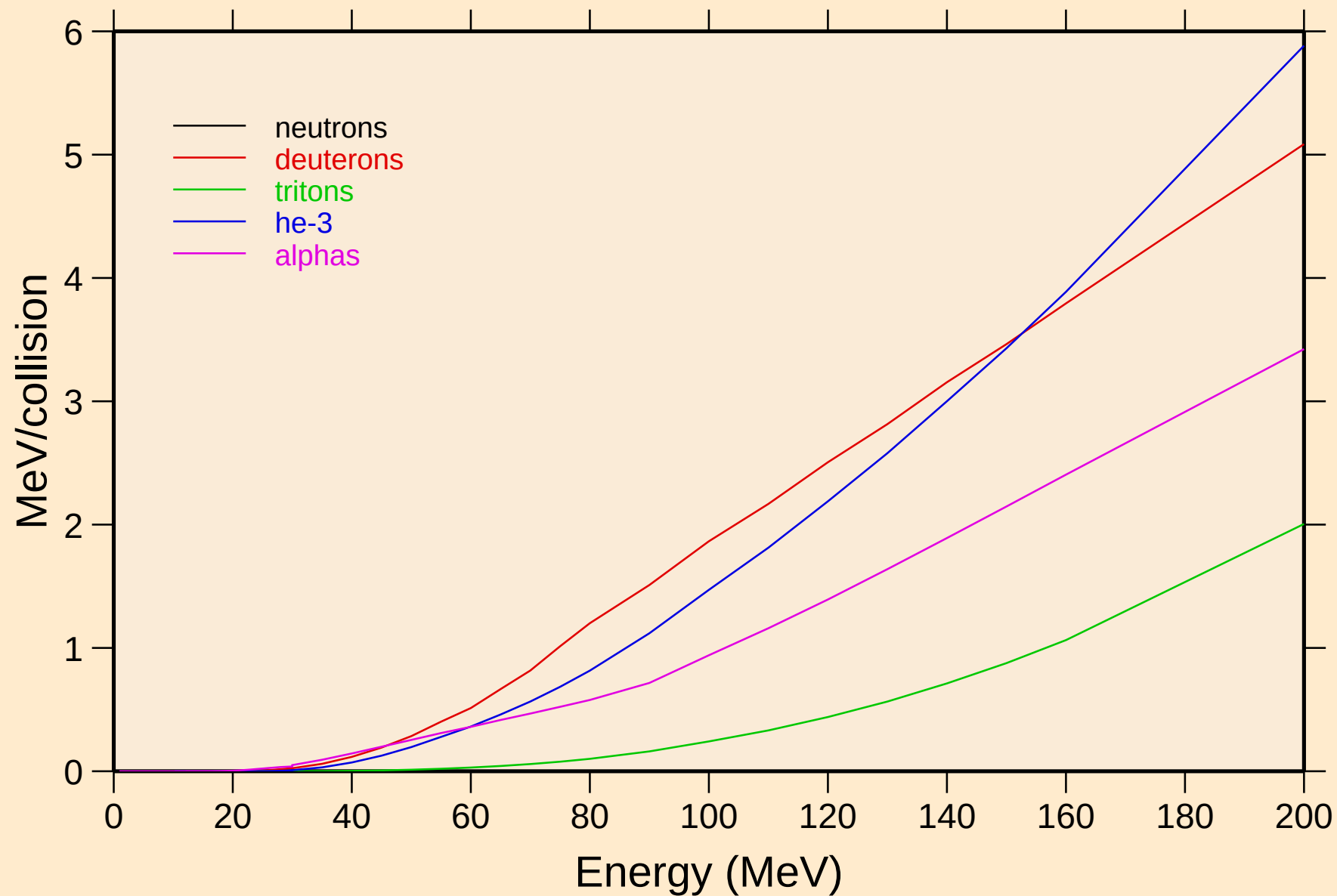
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,da)



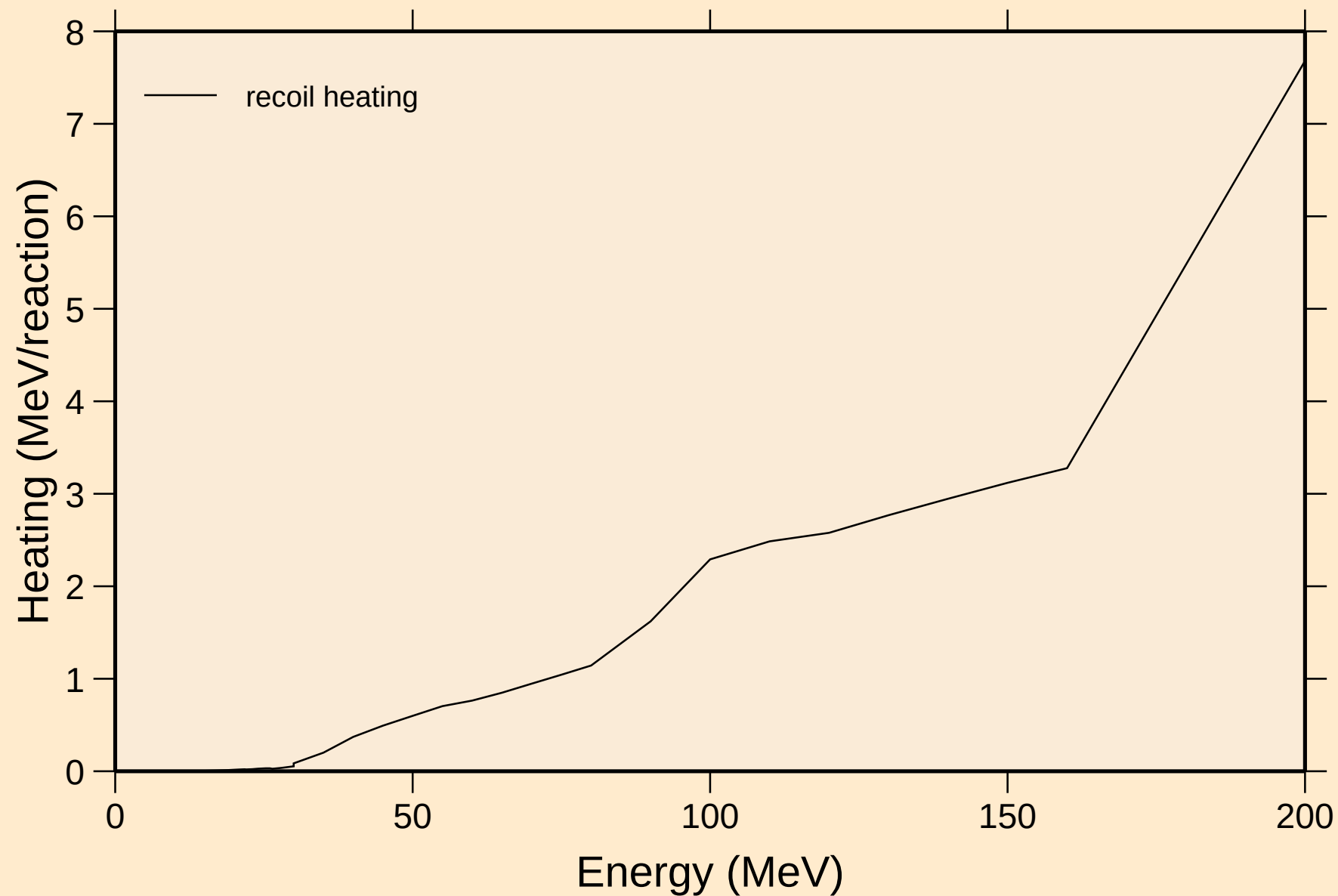
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



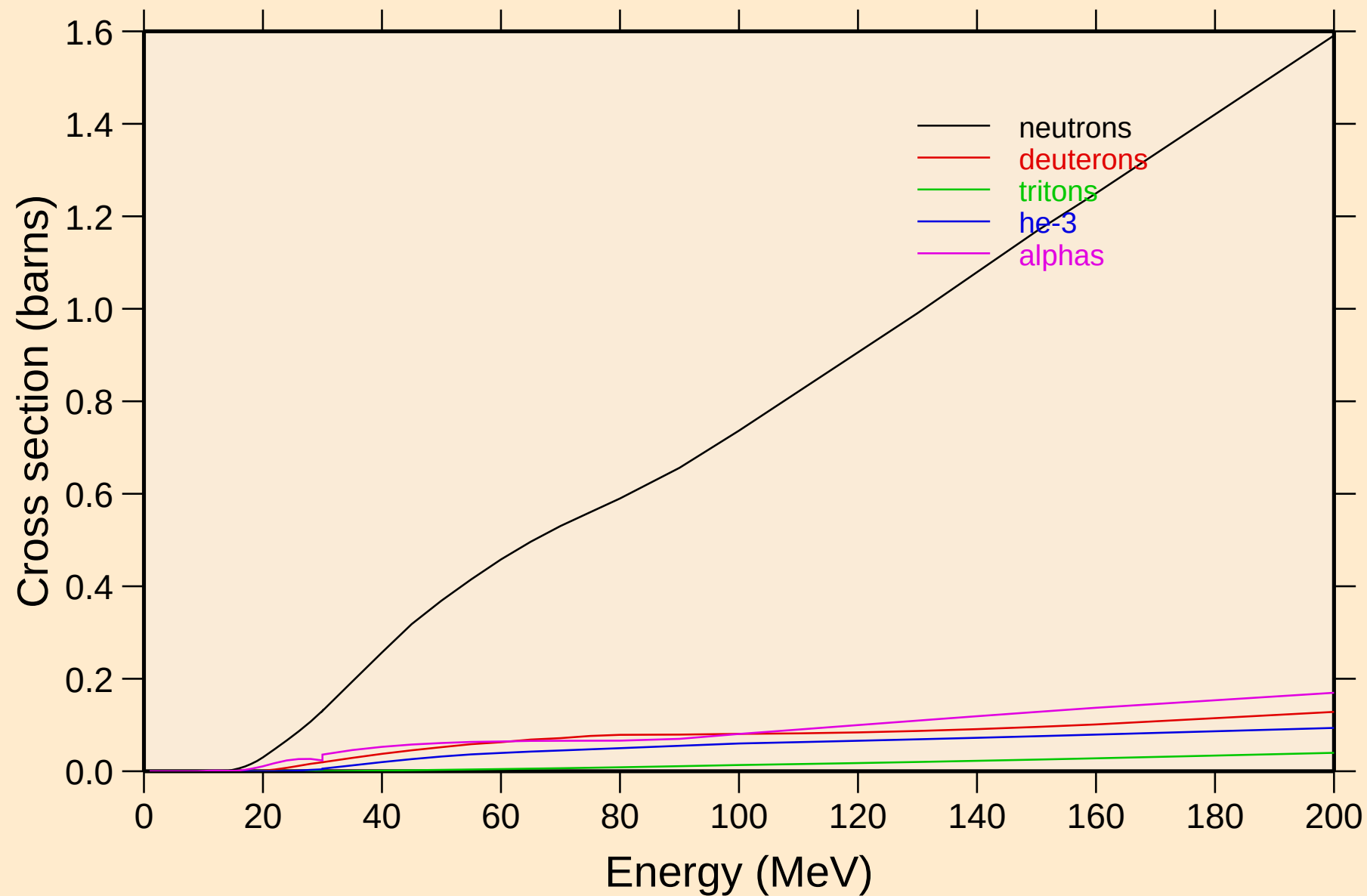
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

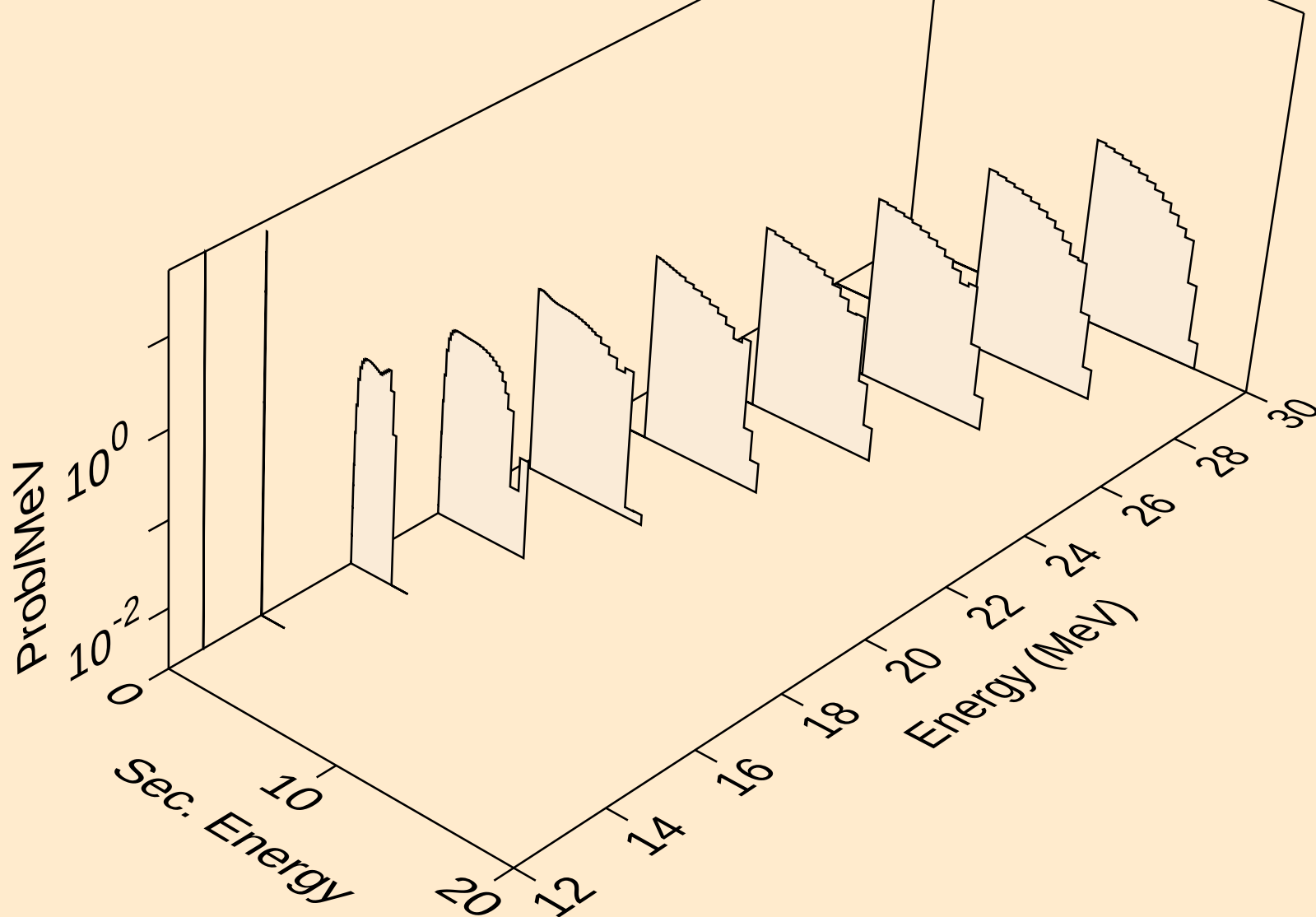


ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K

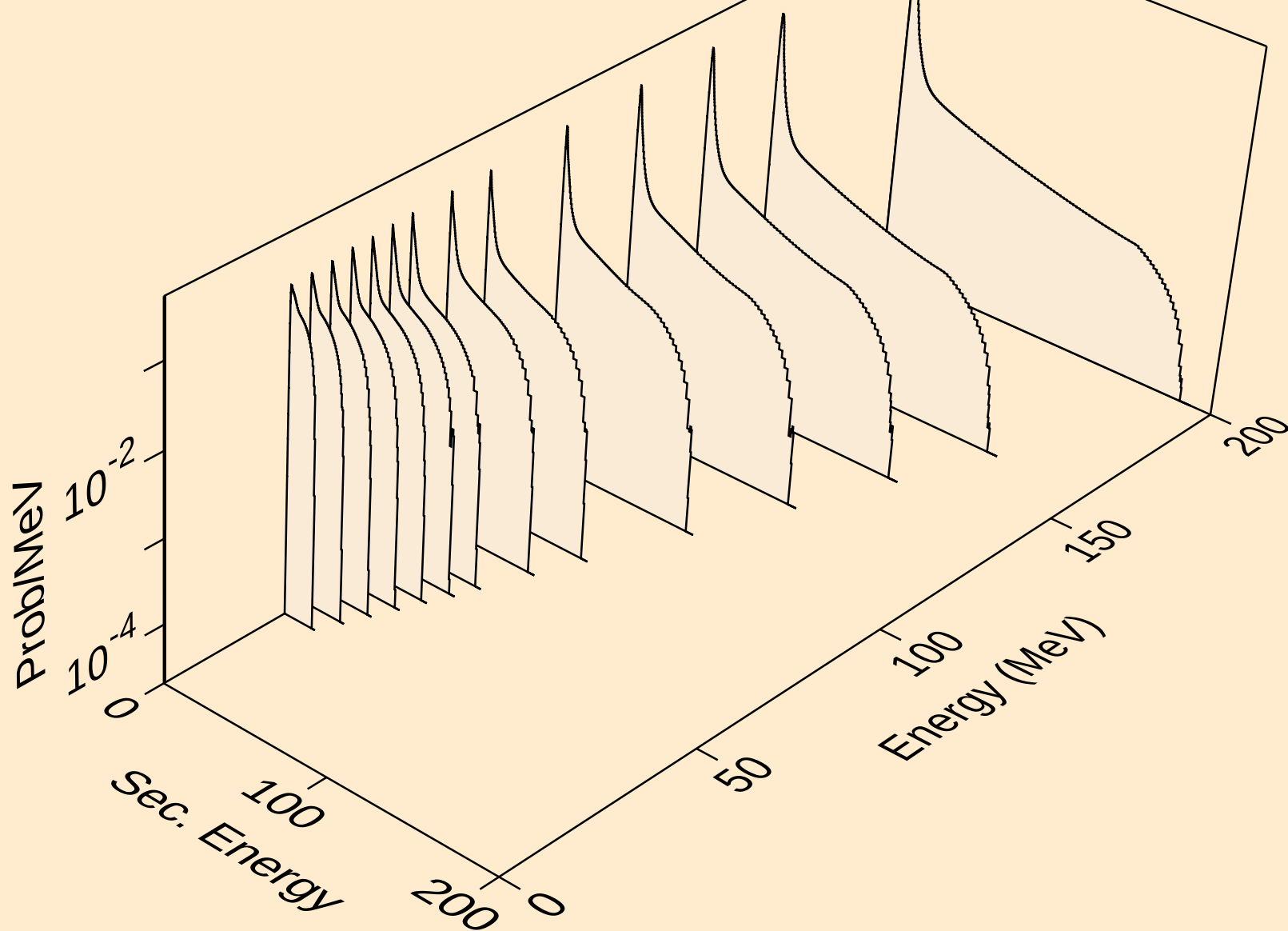
Particle production cross sections



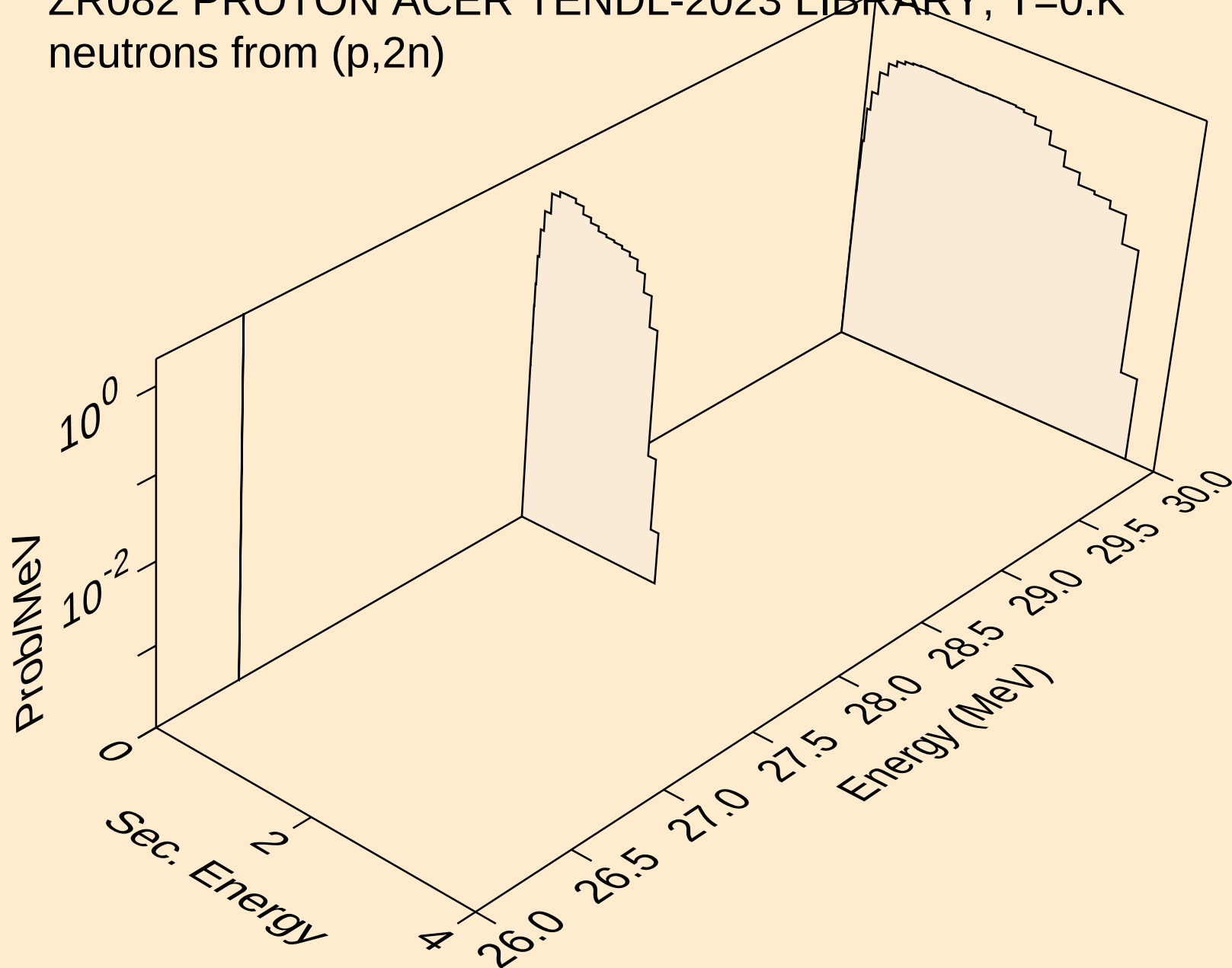
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



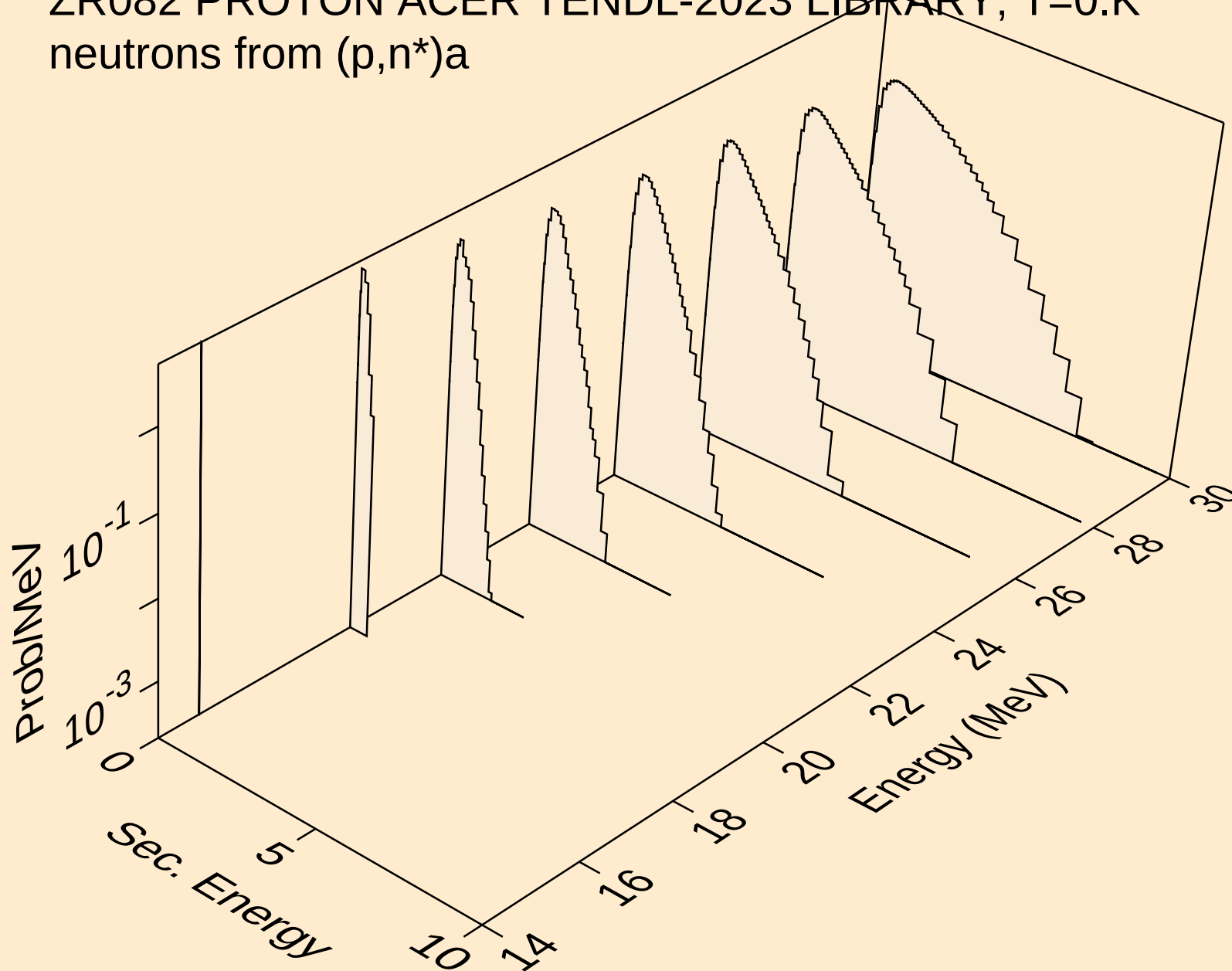
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



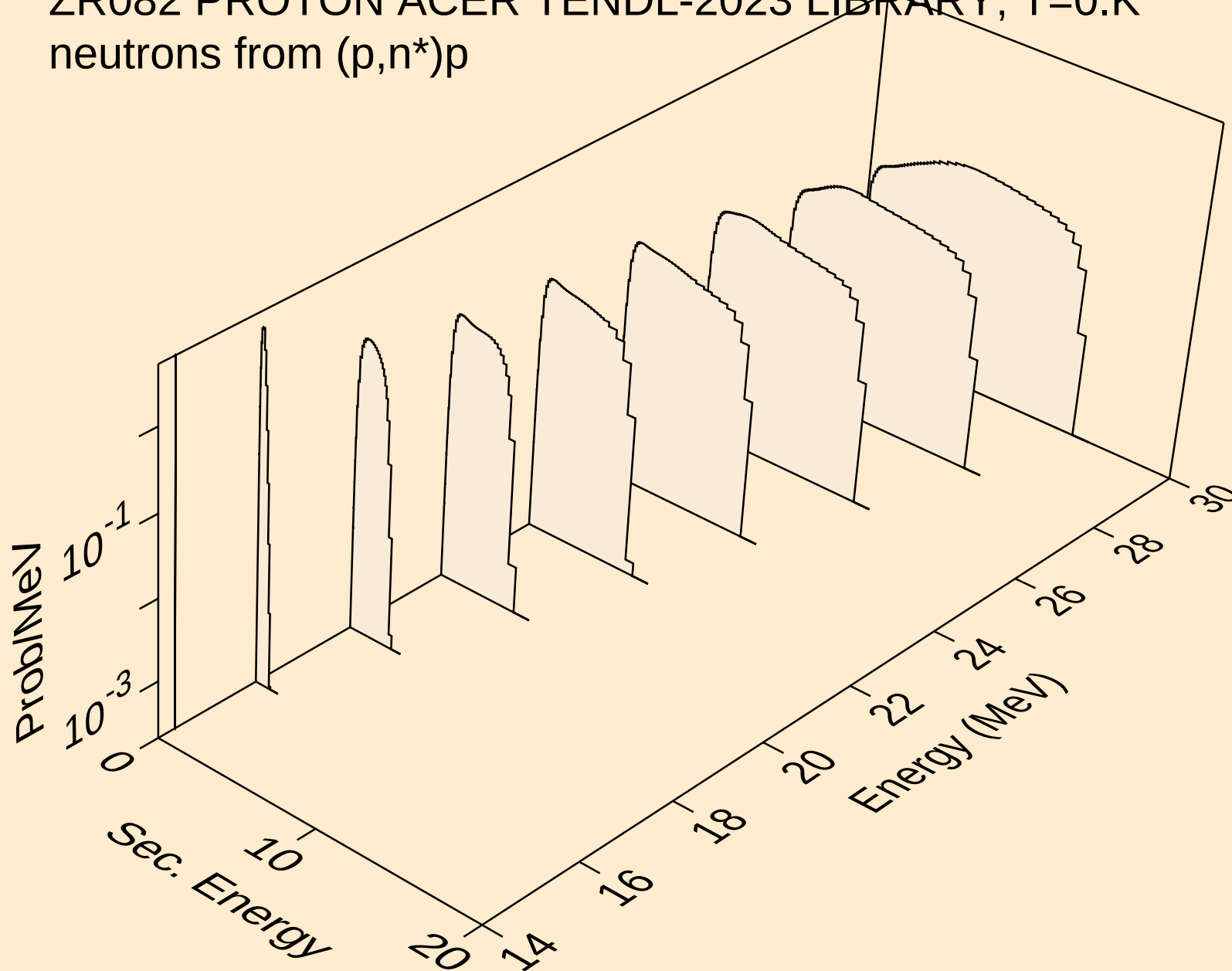
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



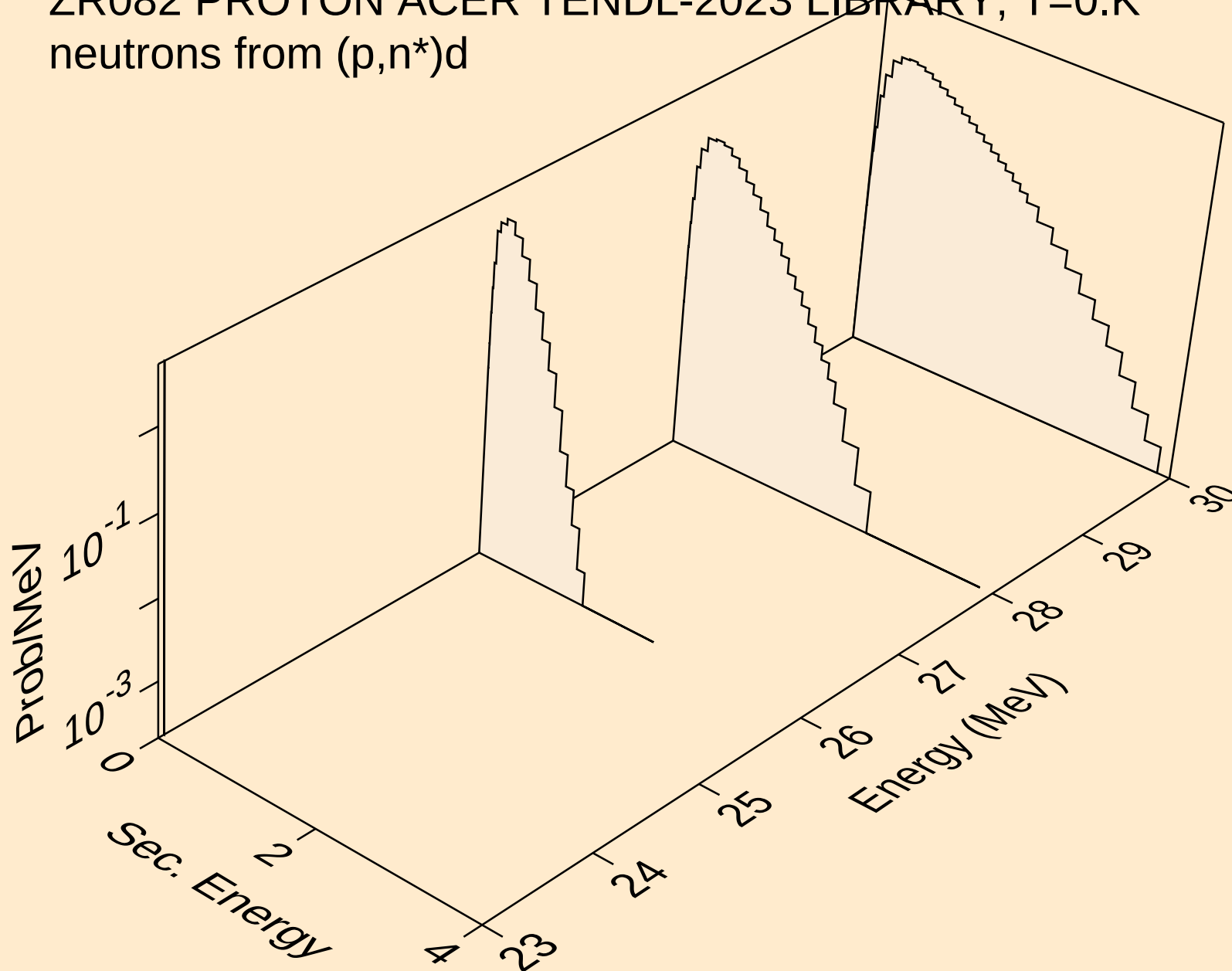
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



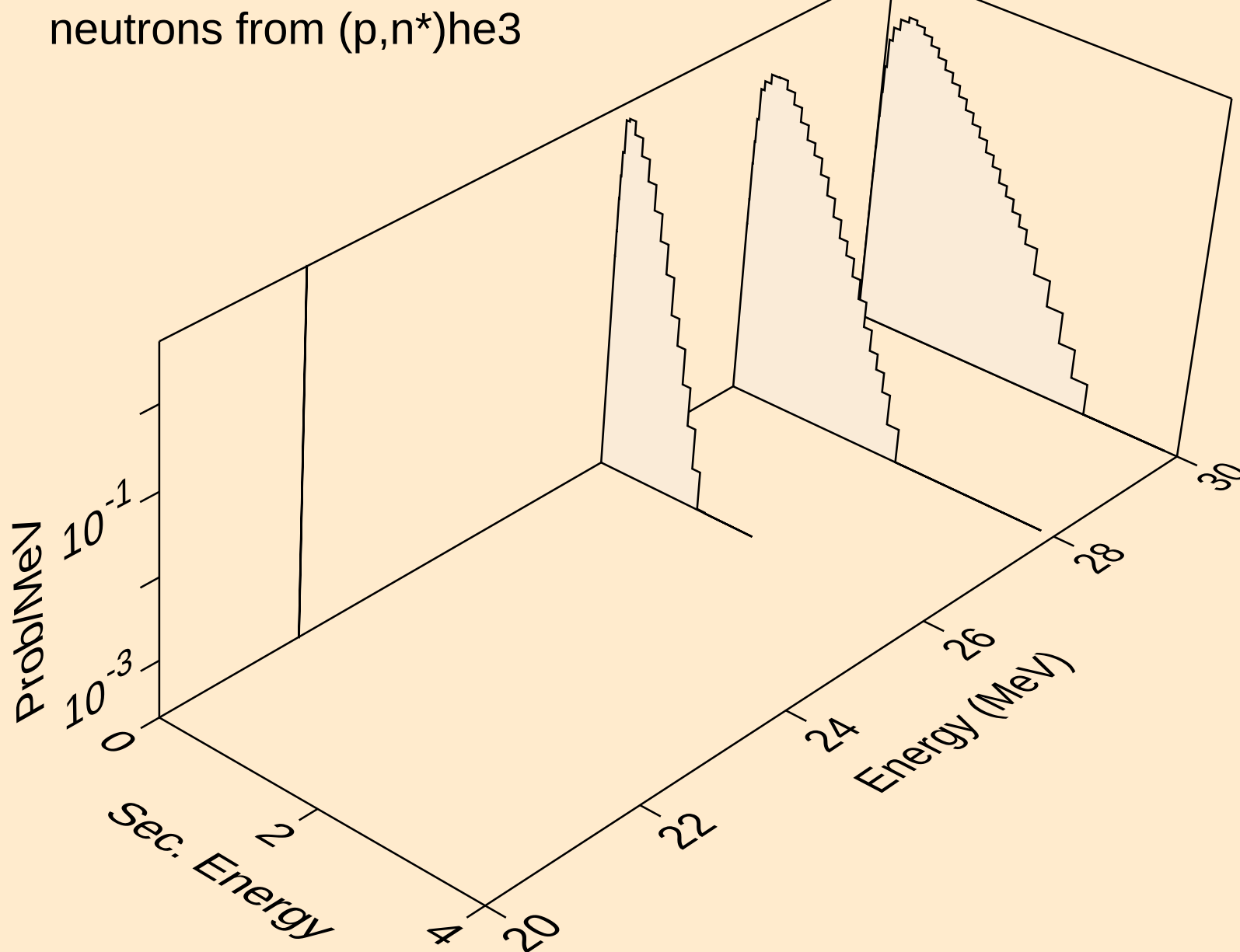
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p



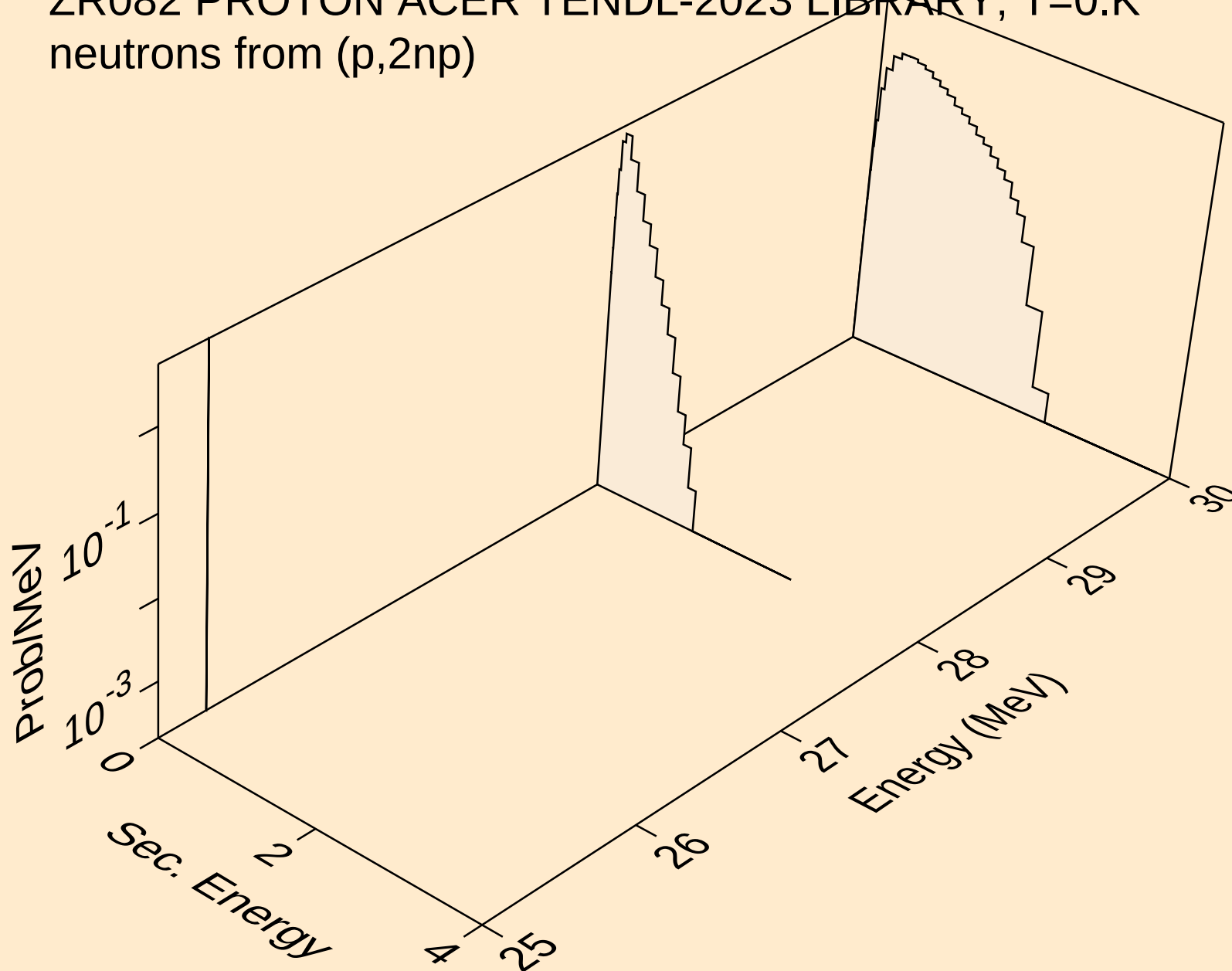
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d



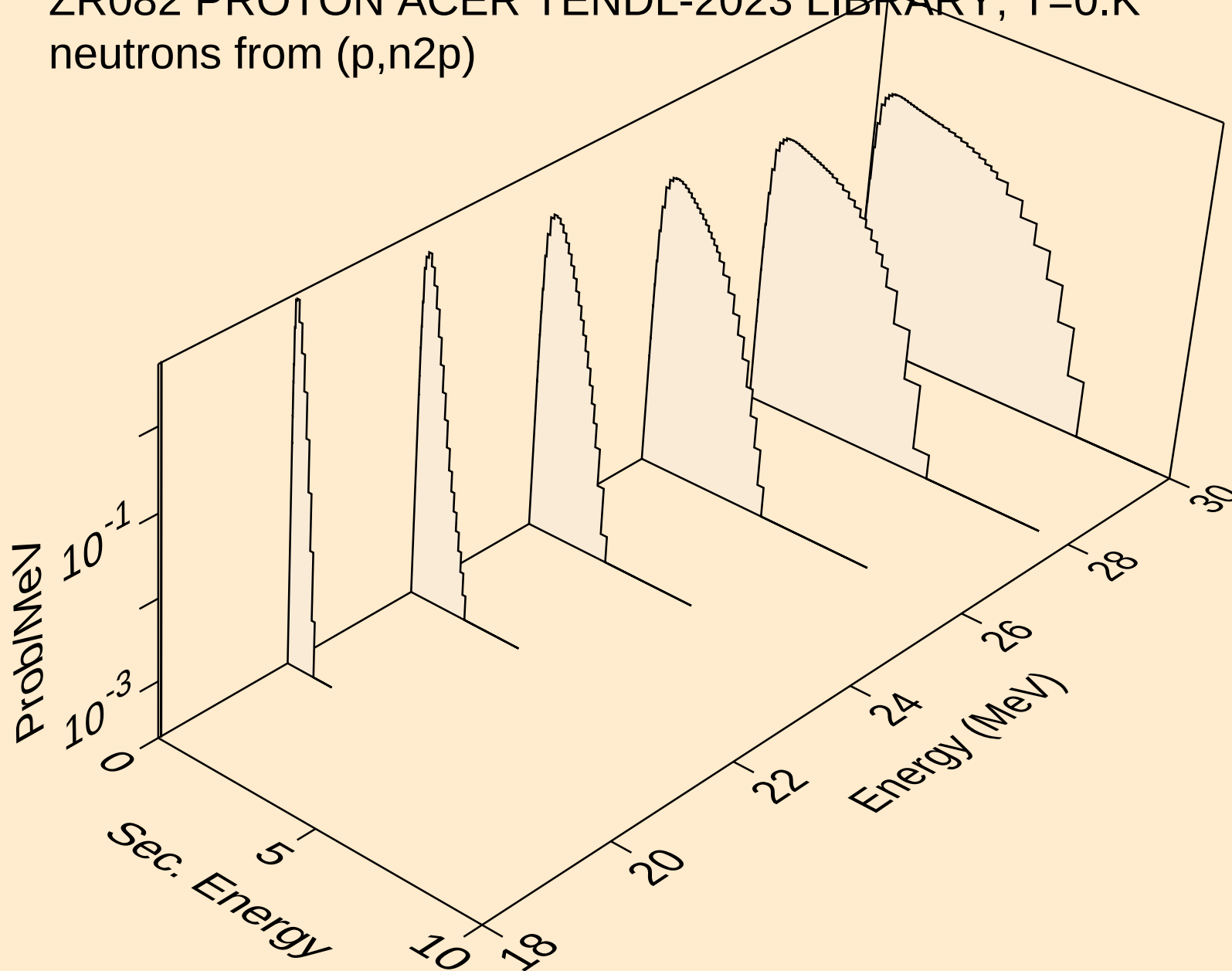
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



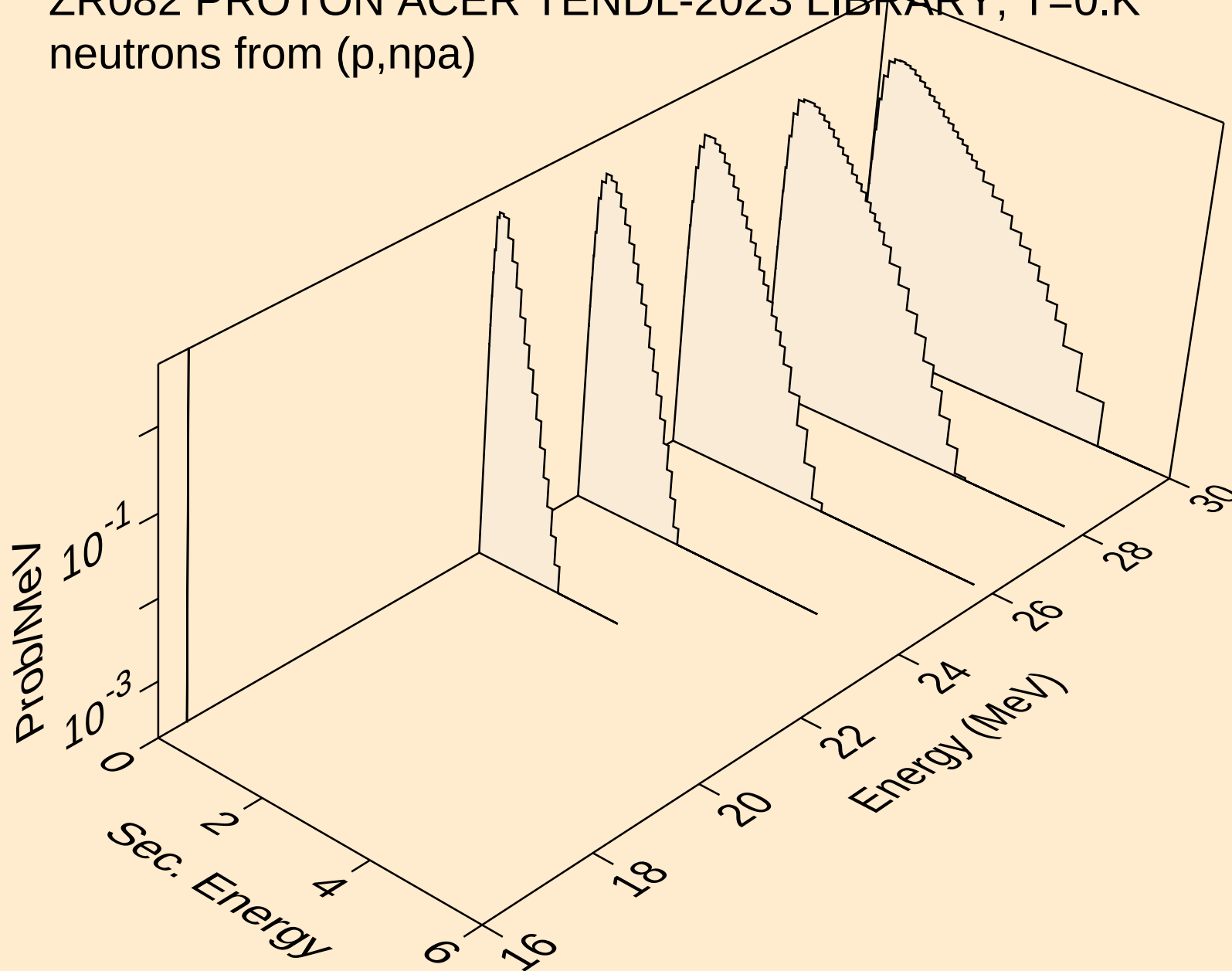
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neutrons from (p,2np)



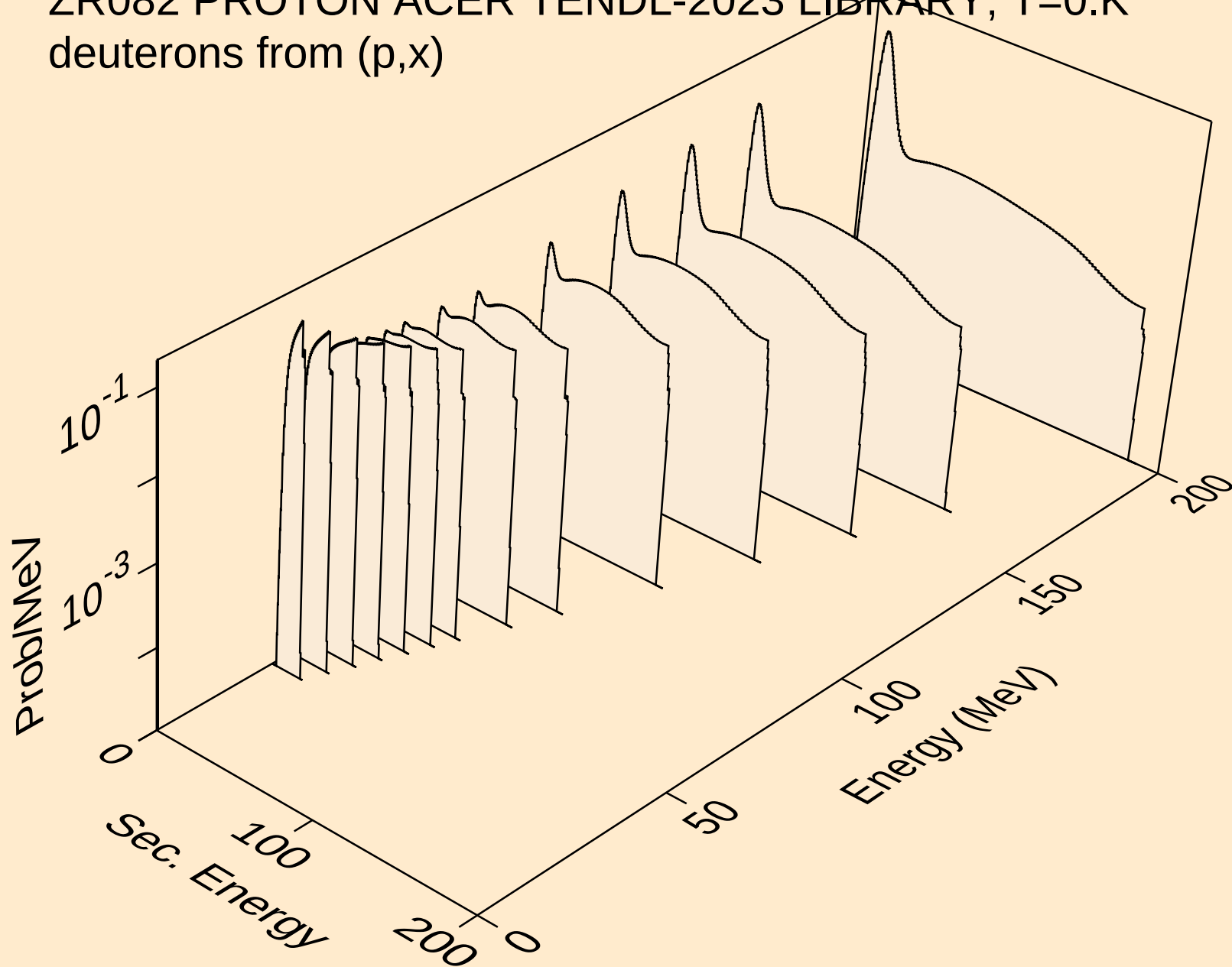
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)



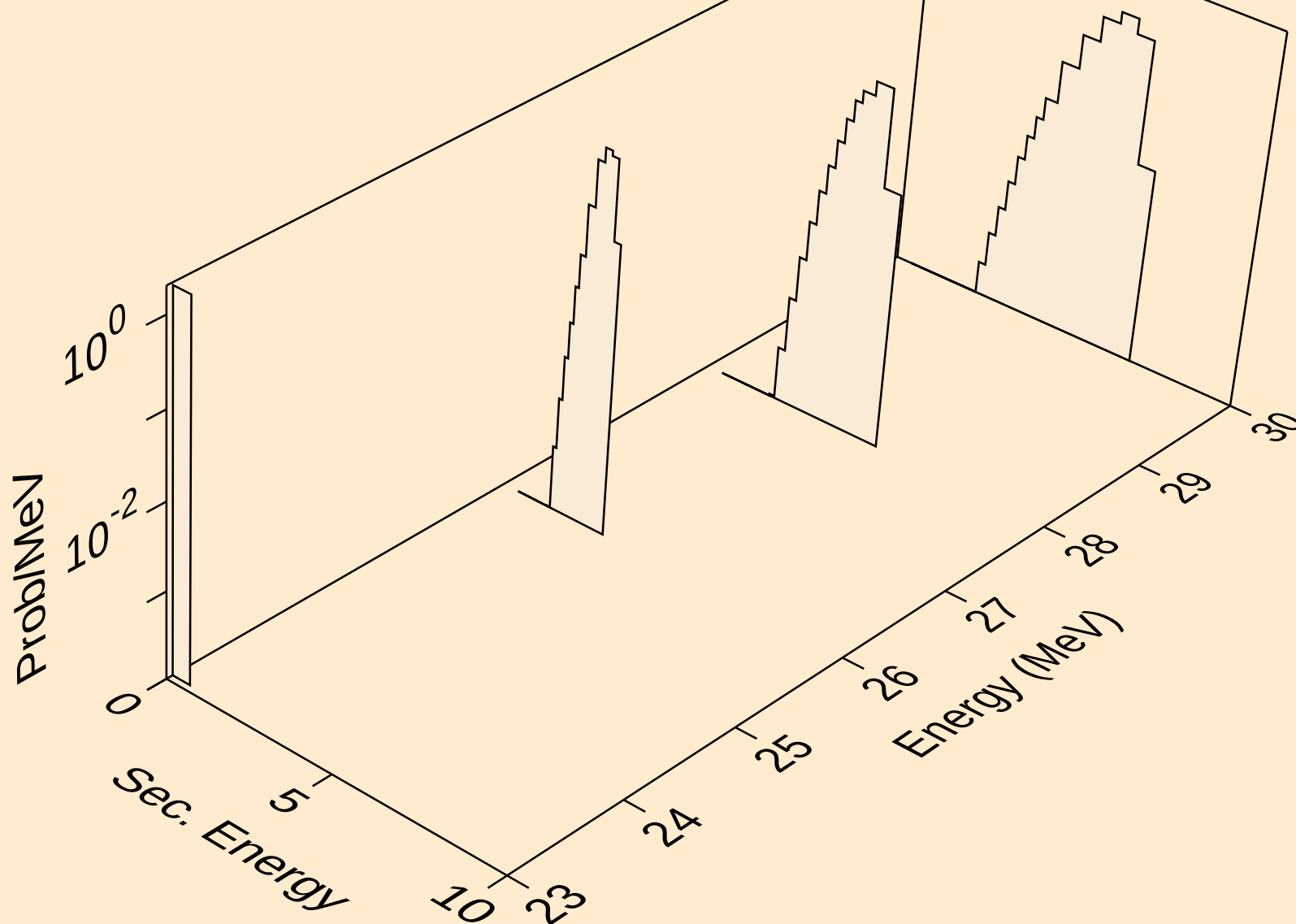
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neutrons from (p,npa)



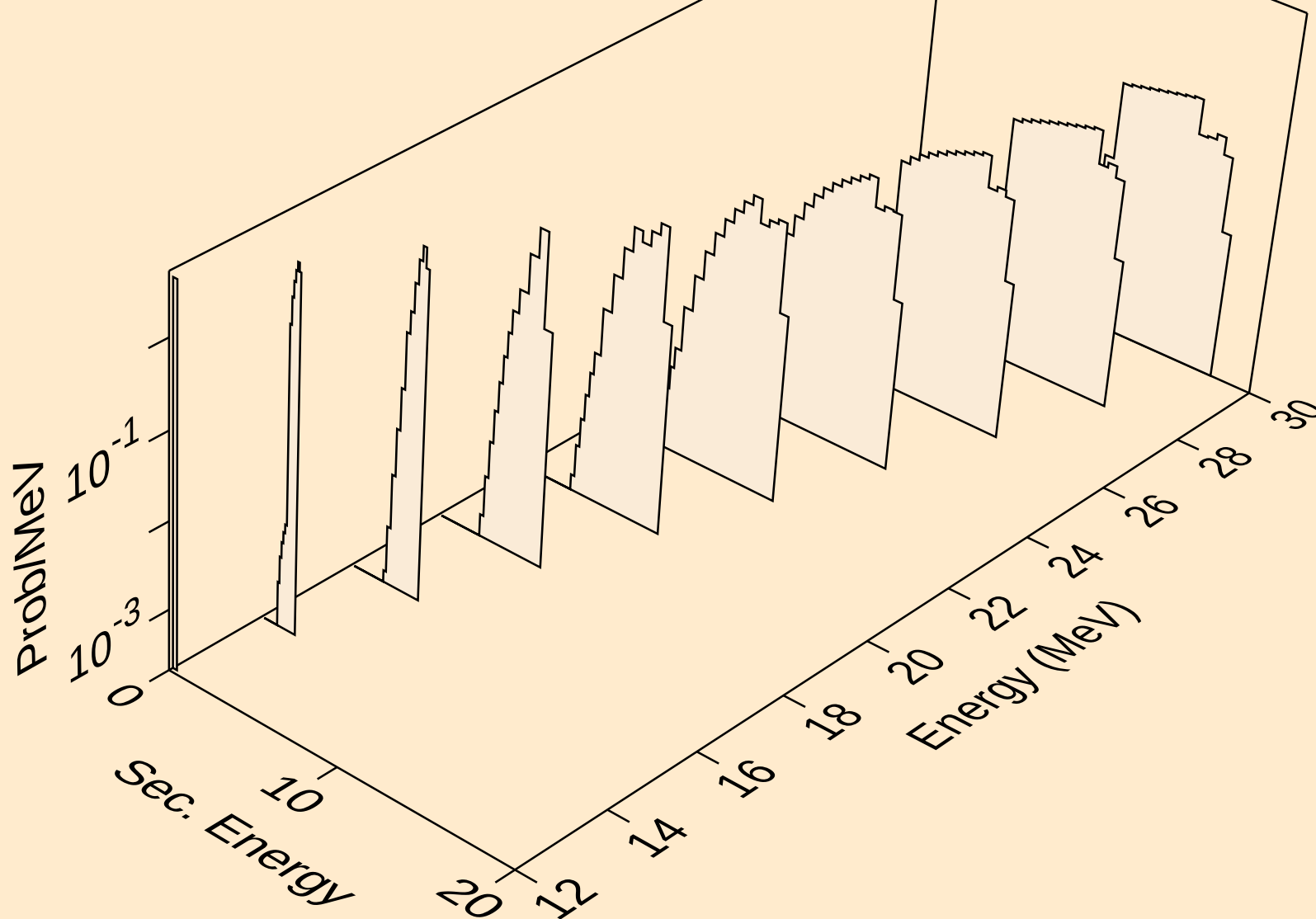
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)



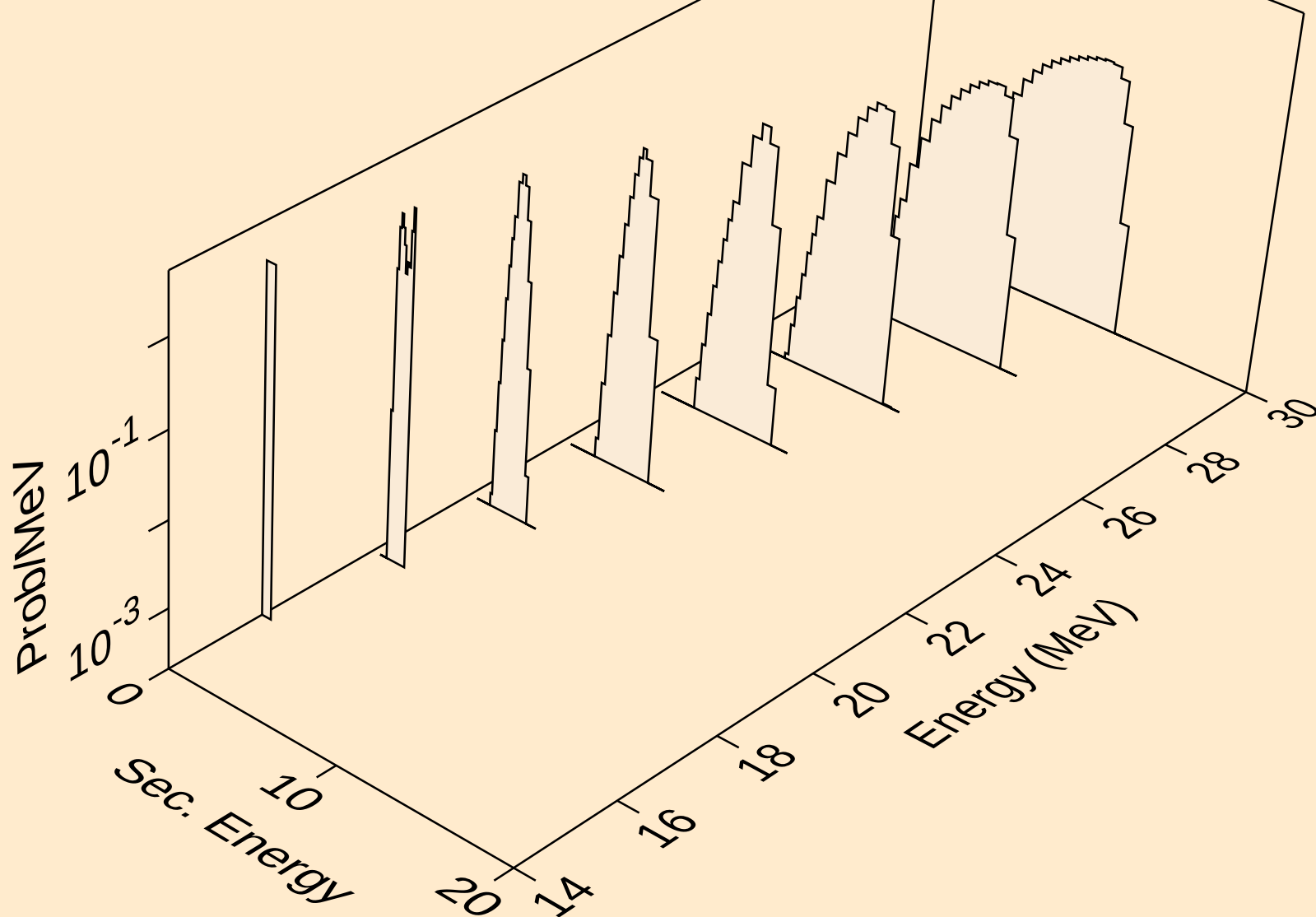
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d



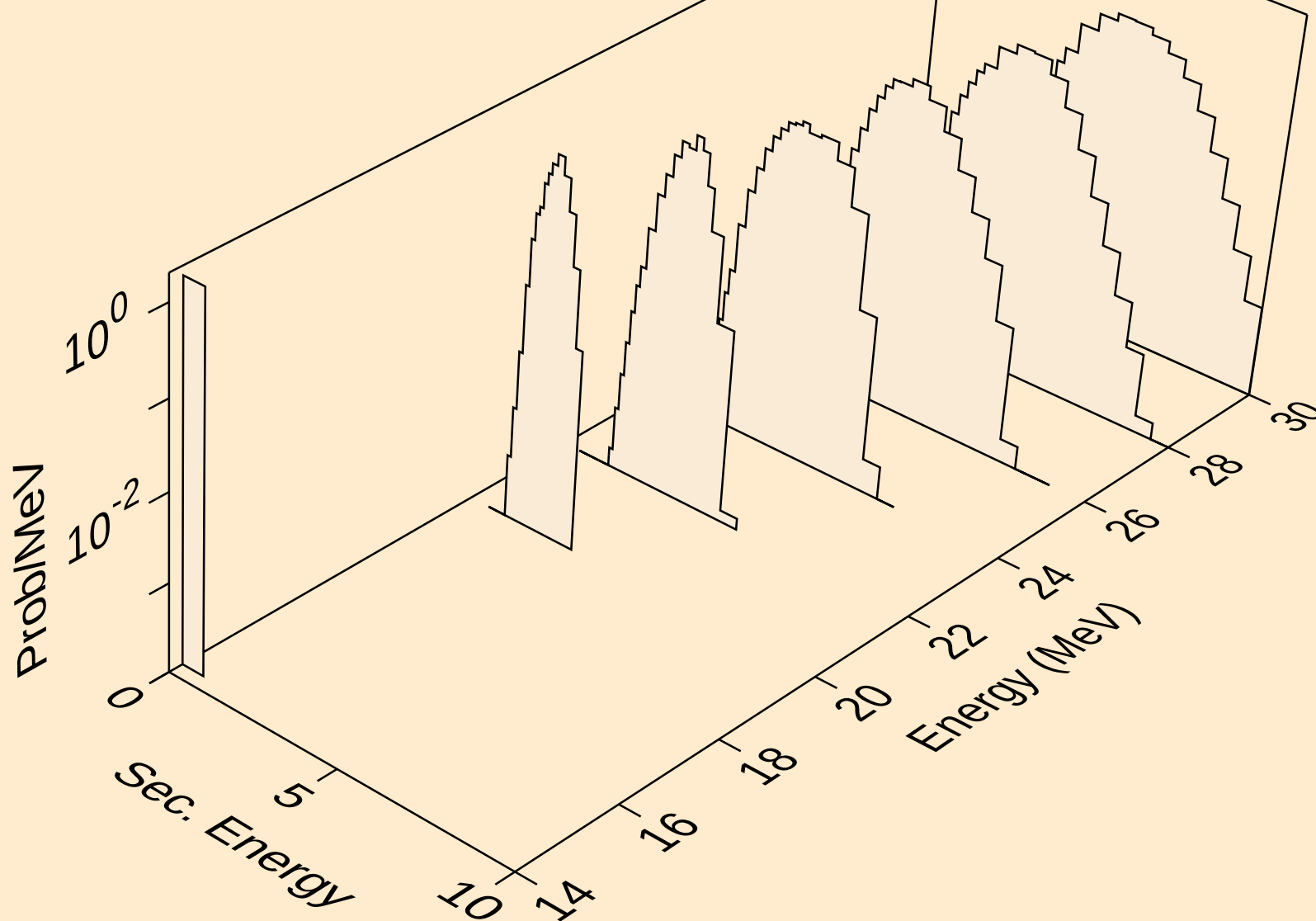
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,d)



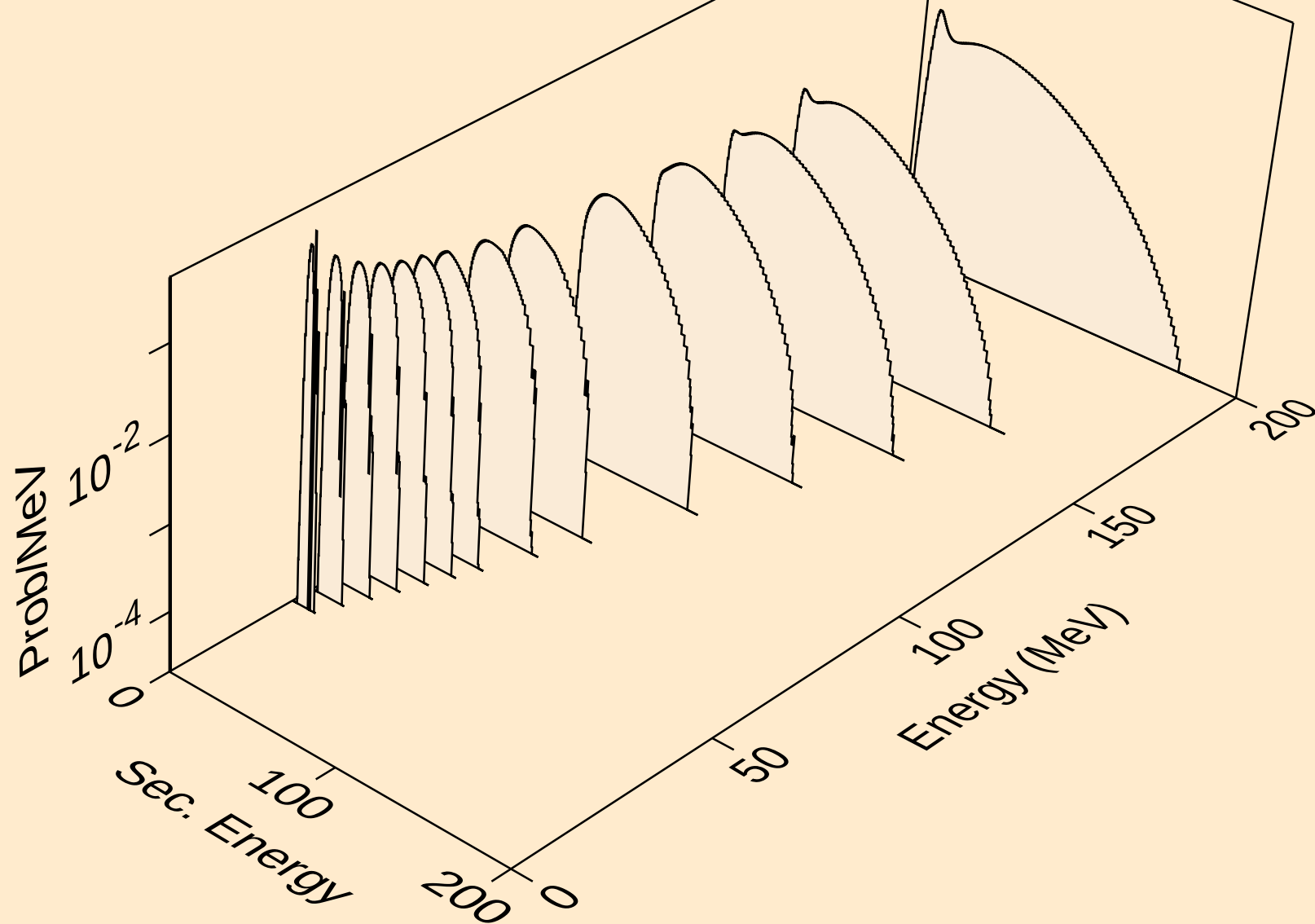
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deuterons from (p,pd)



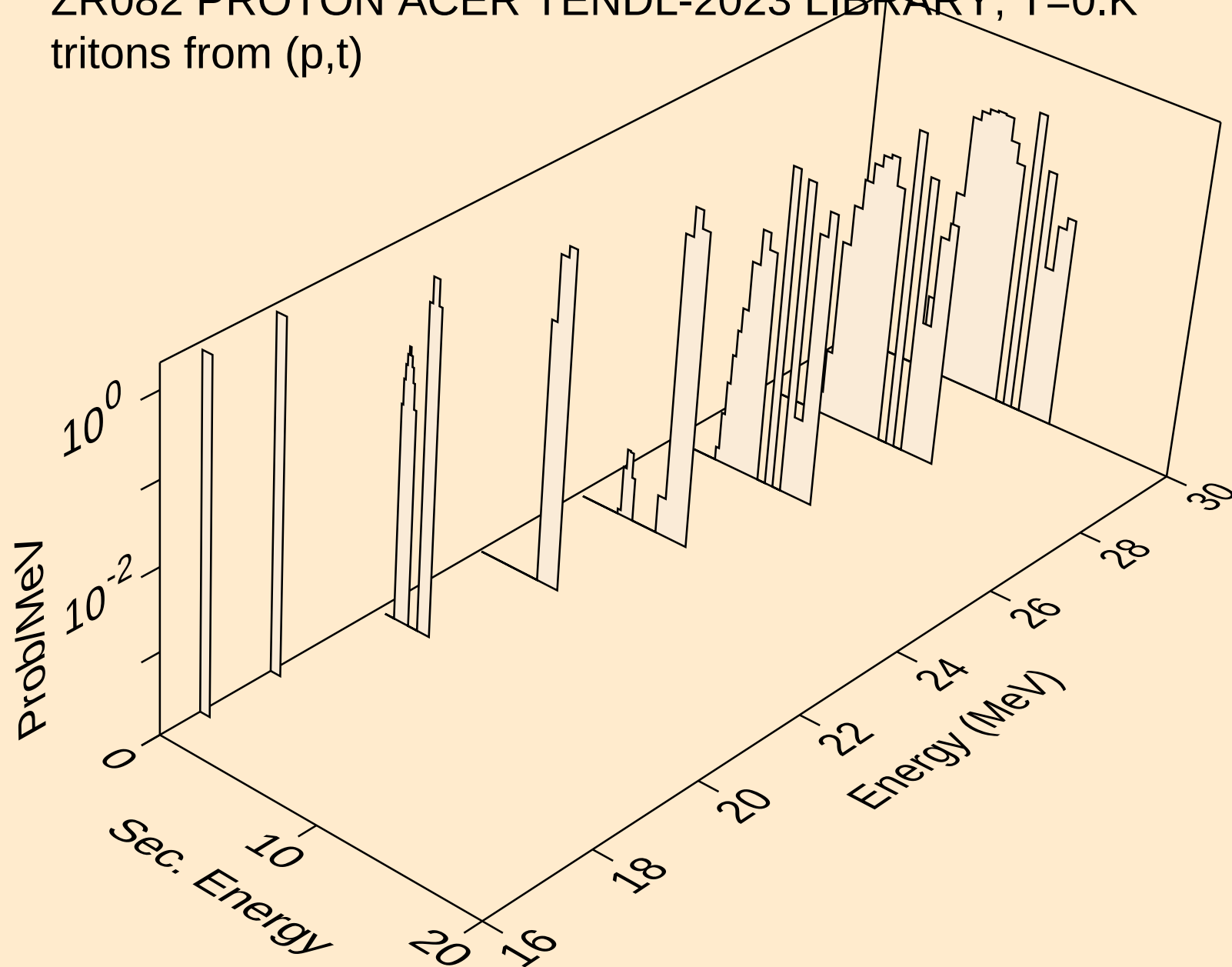
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deuterons from (p,da)



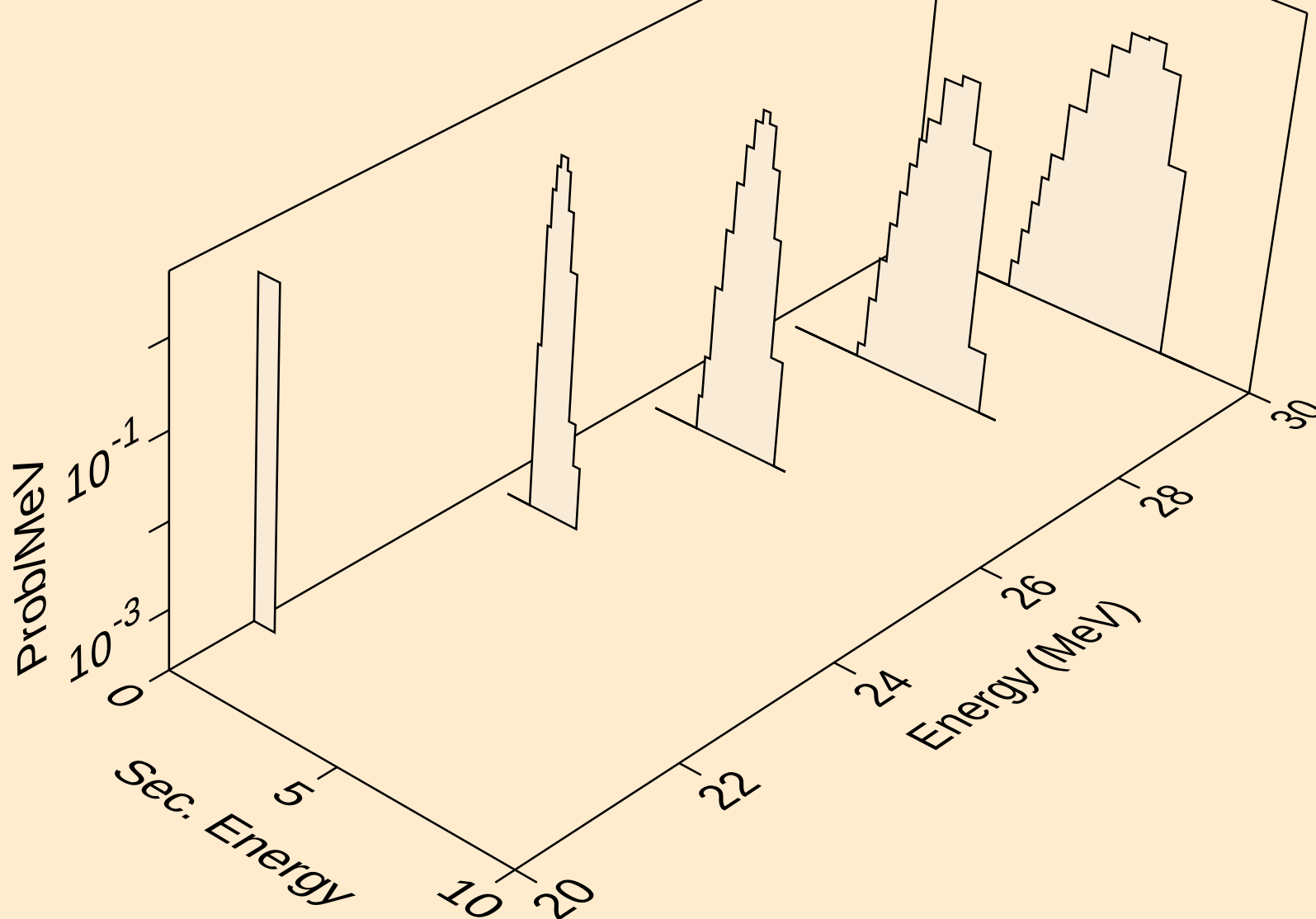
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)



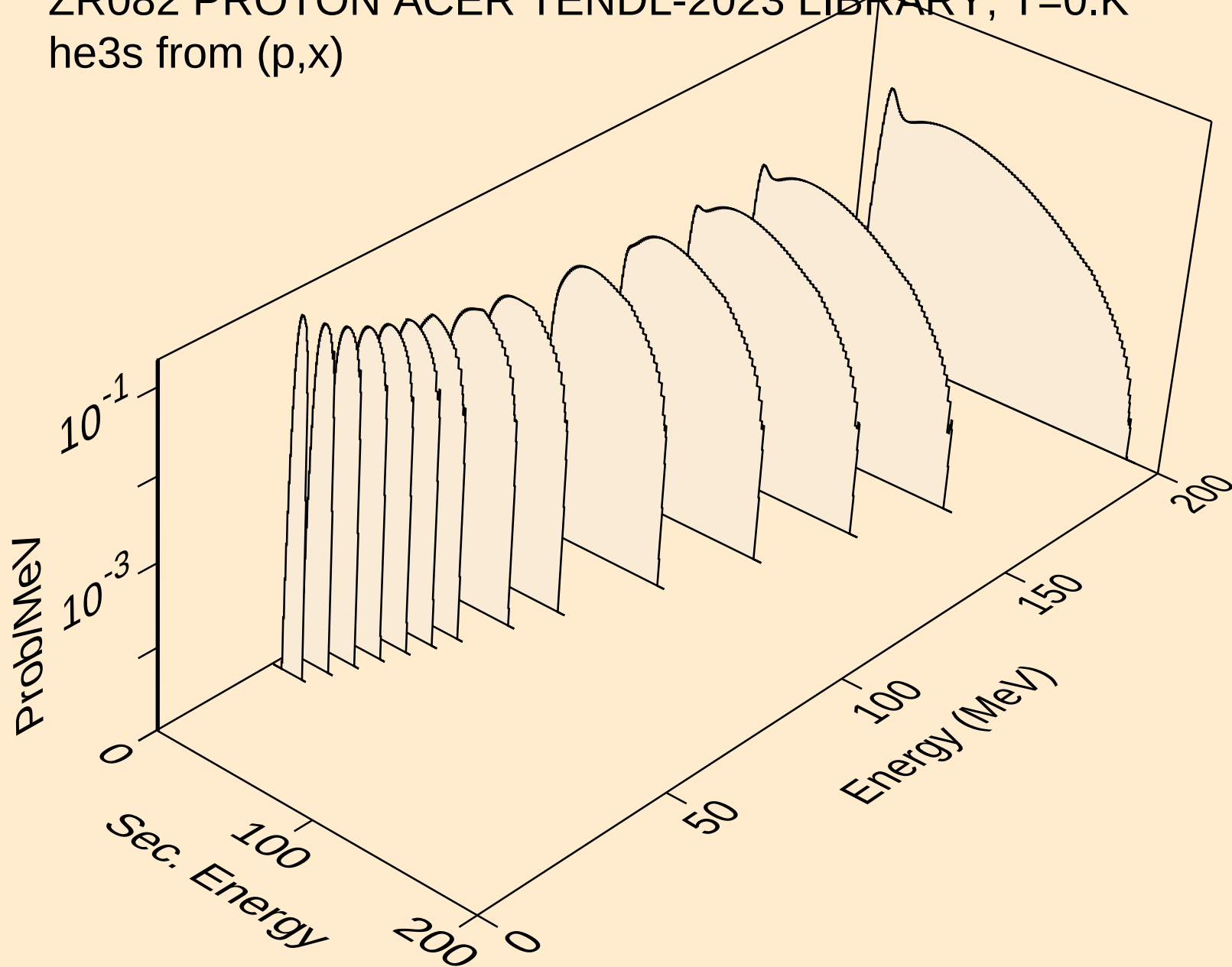
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,t)



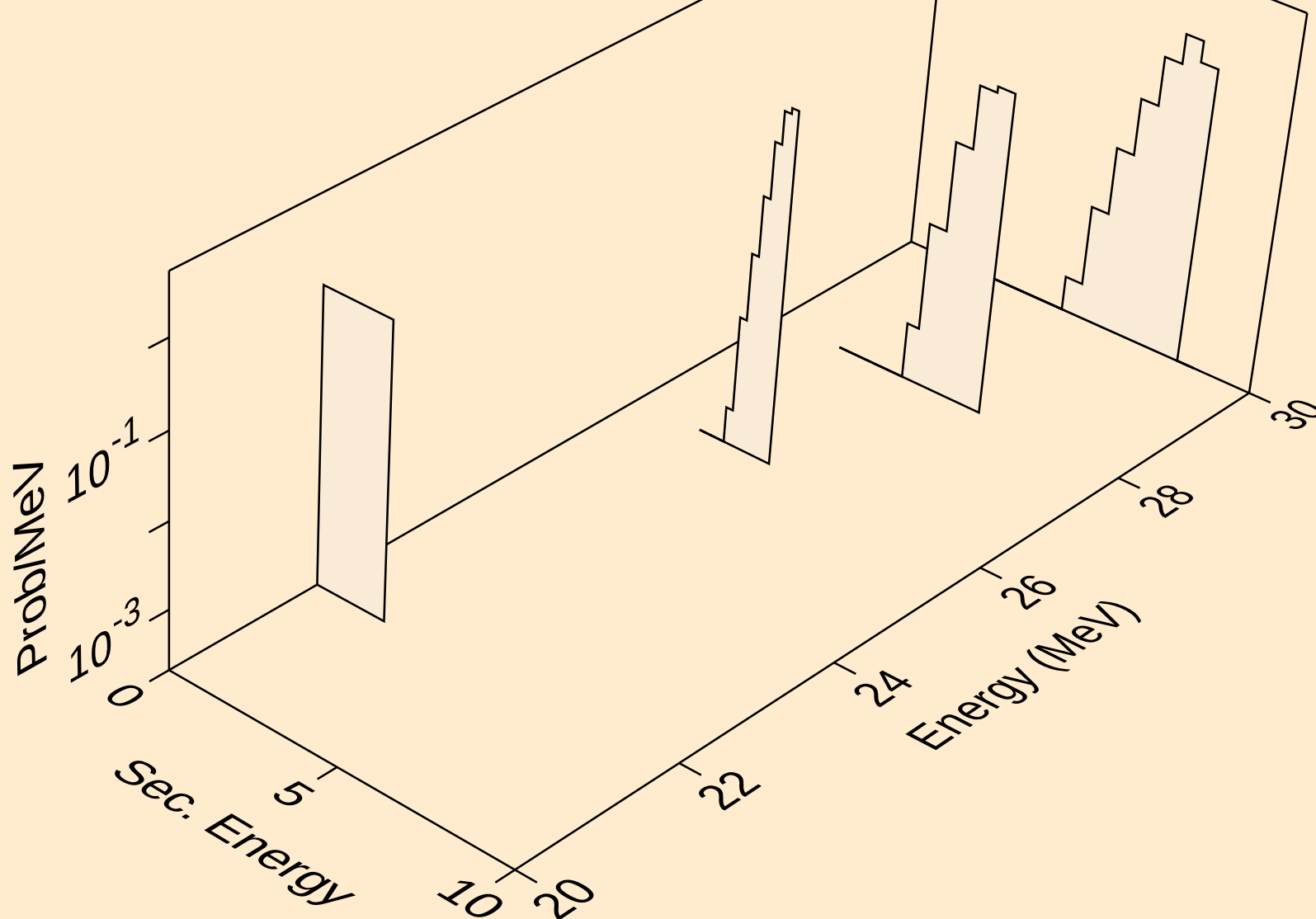
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,pt)



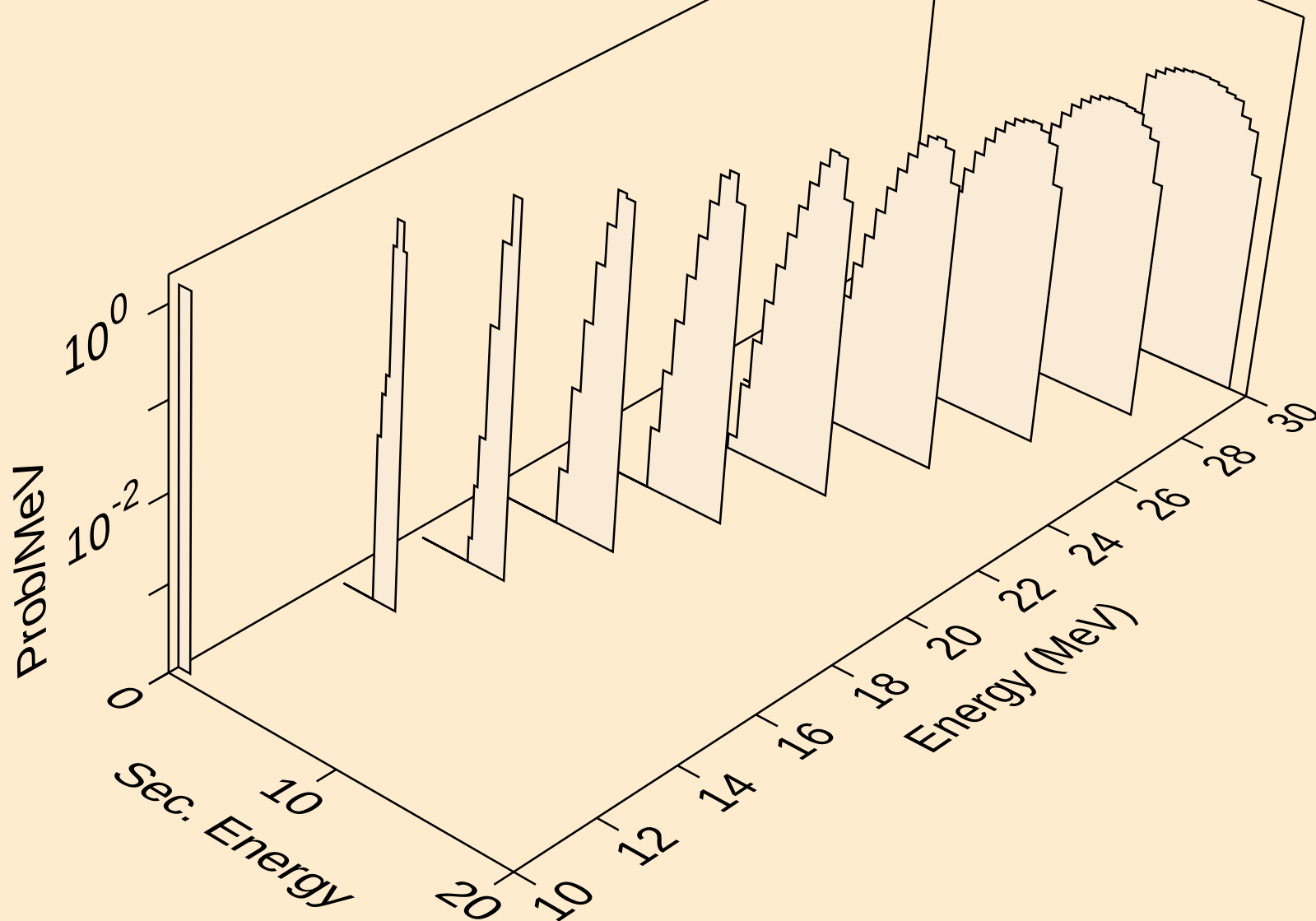
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,x)



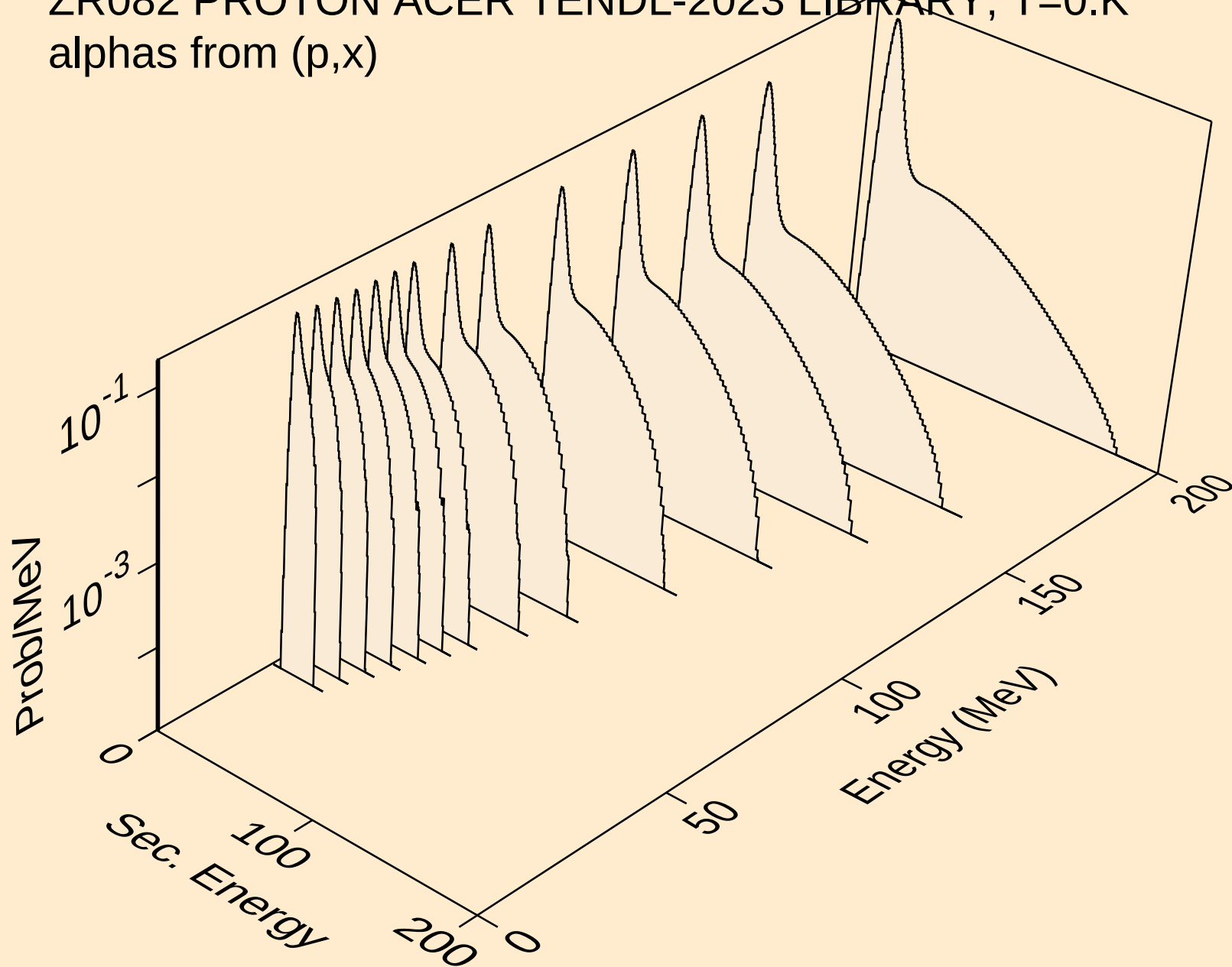
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,n*)he3



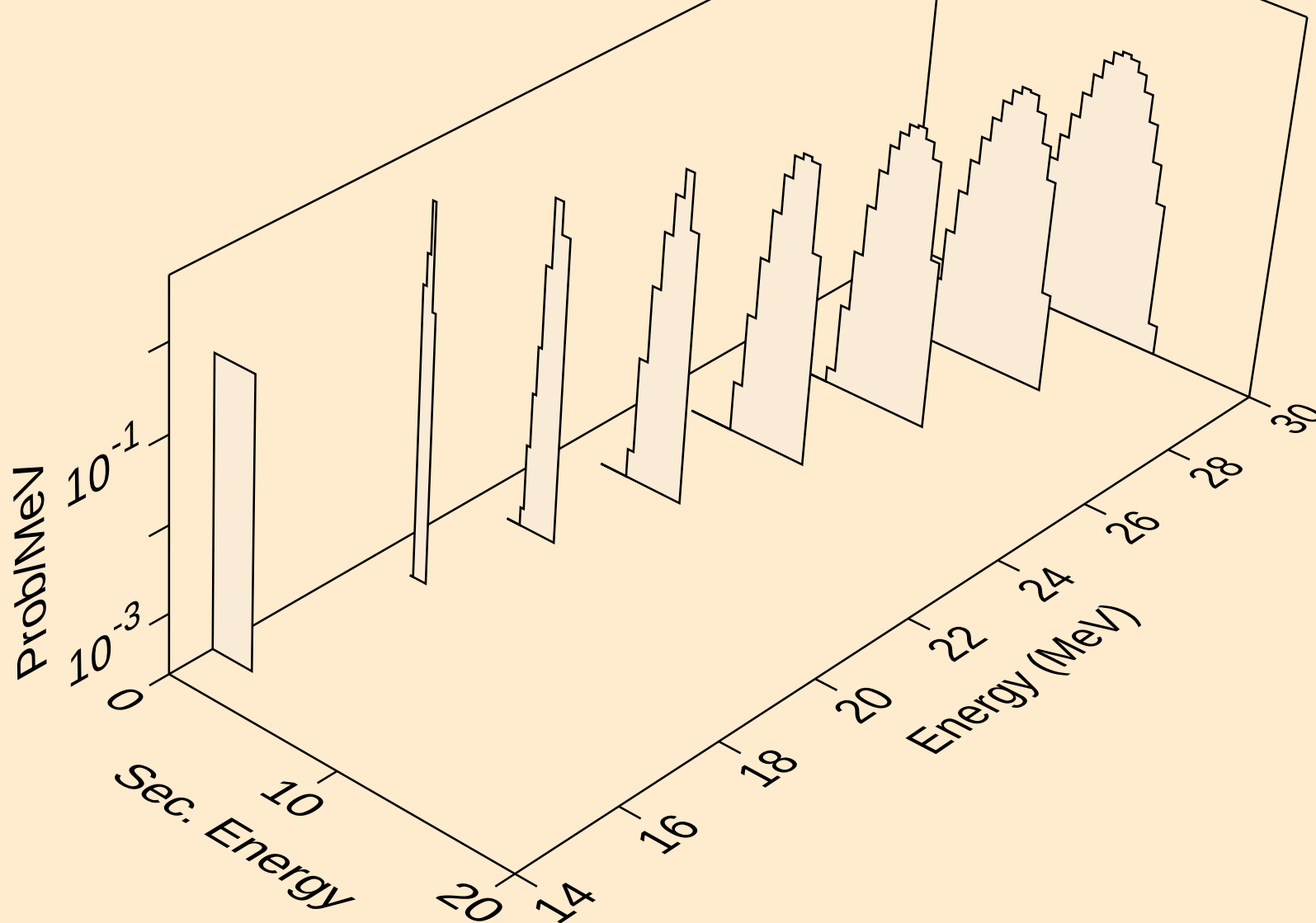
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,he3)



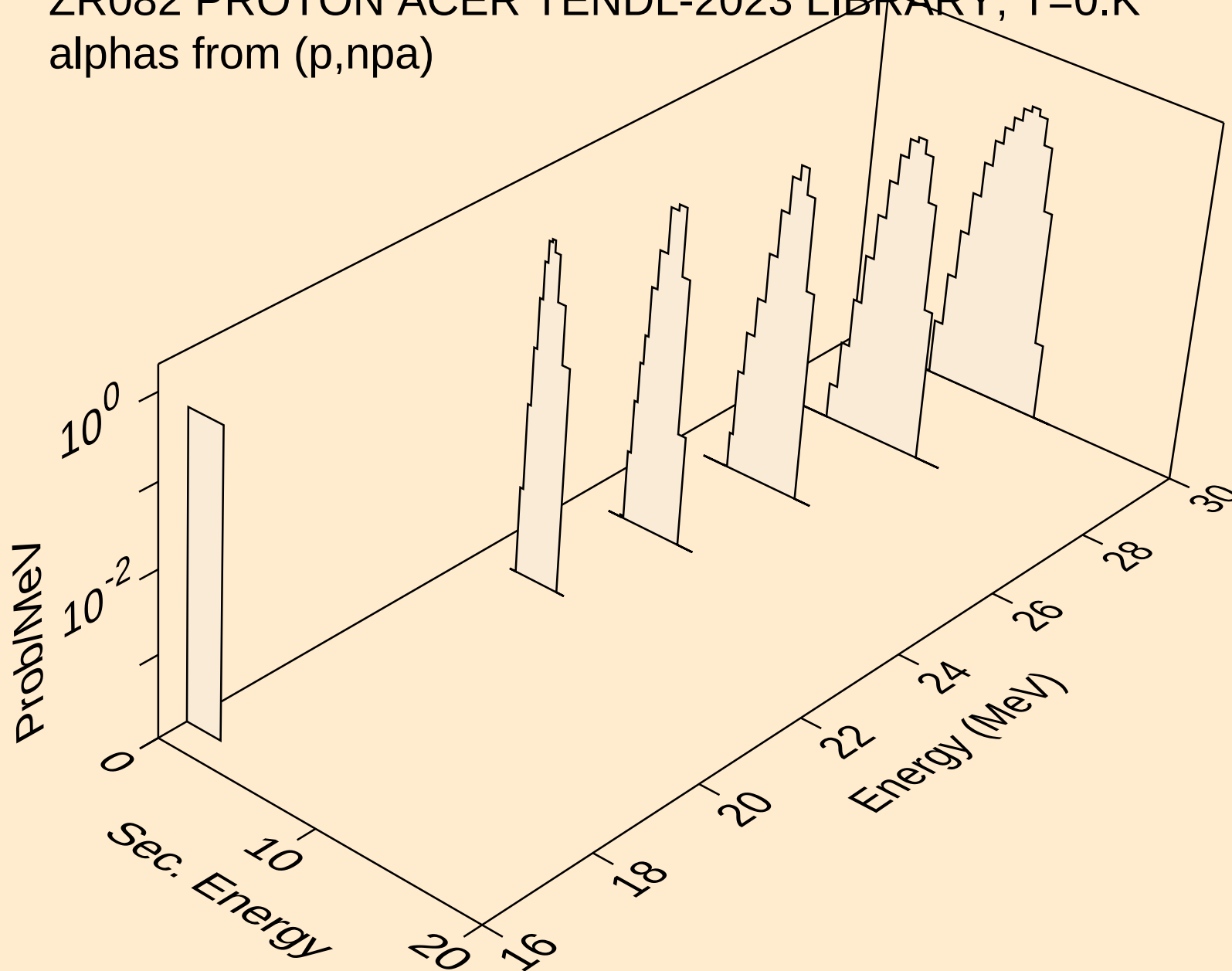
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)



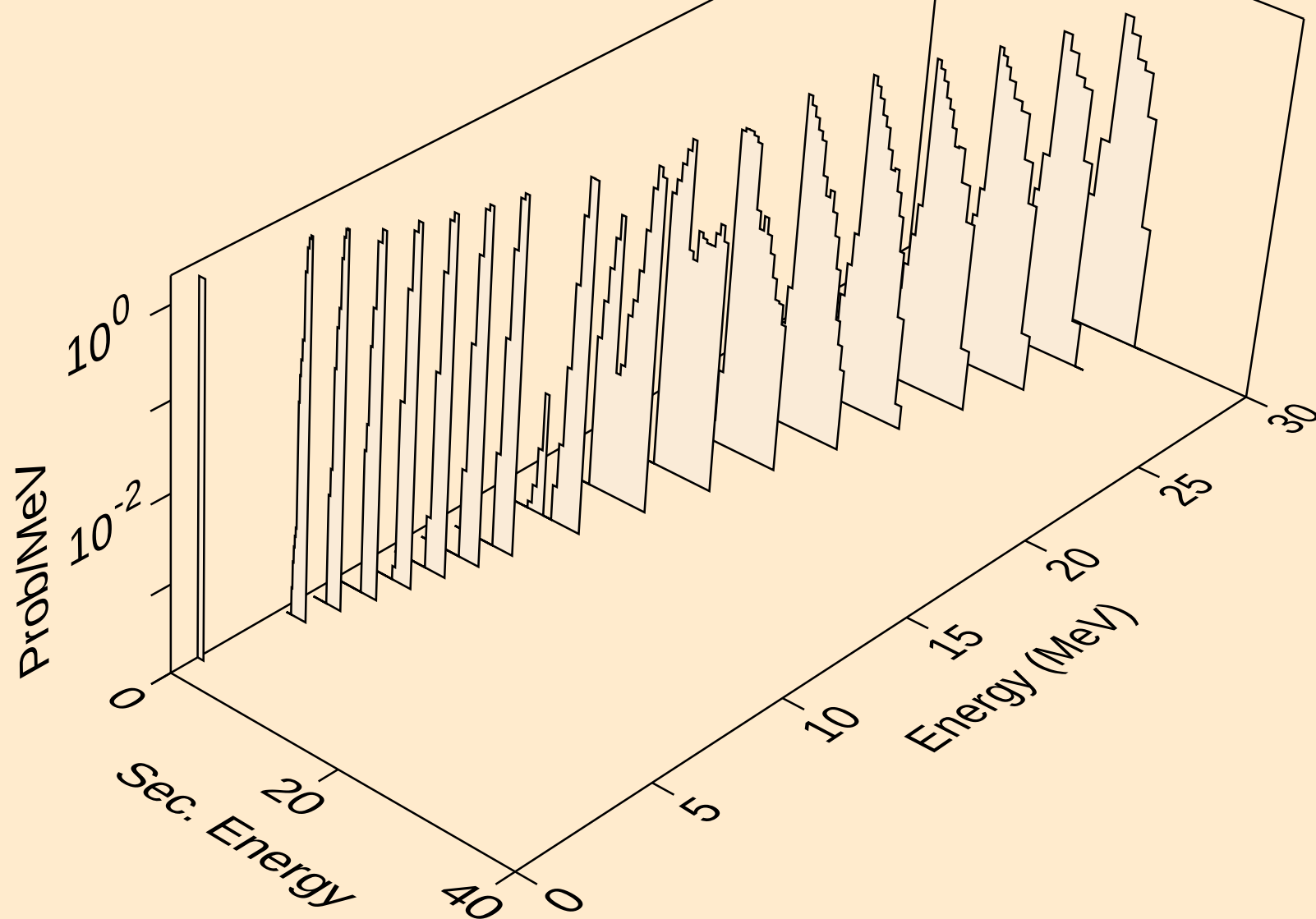
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



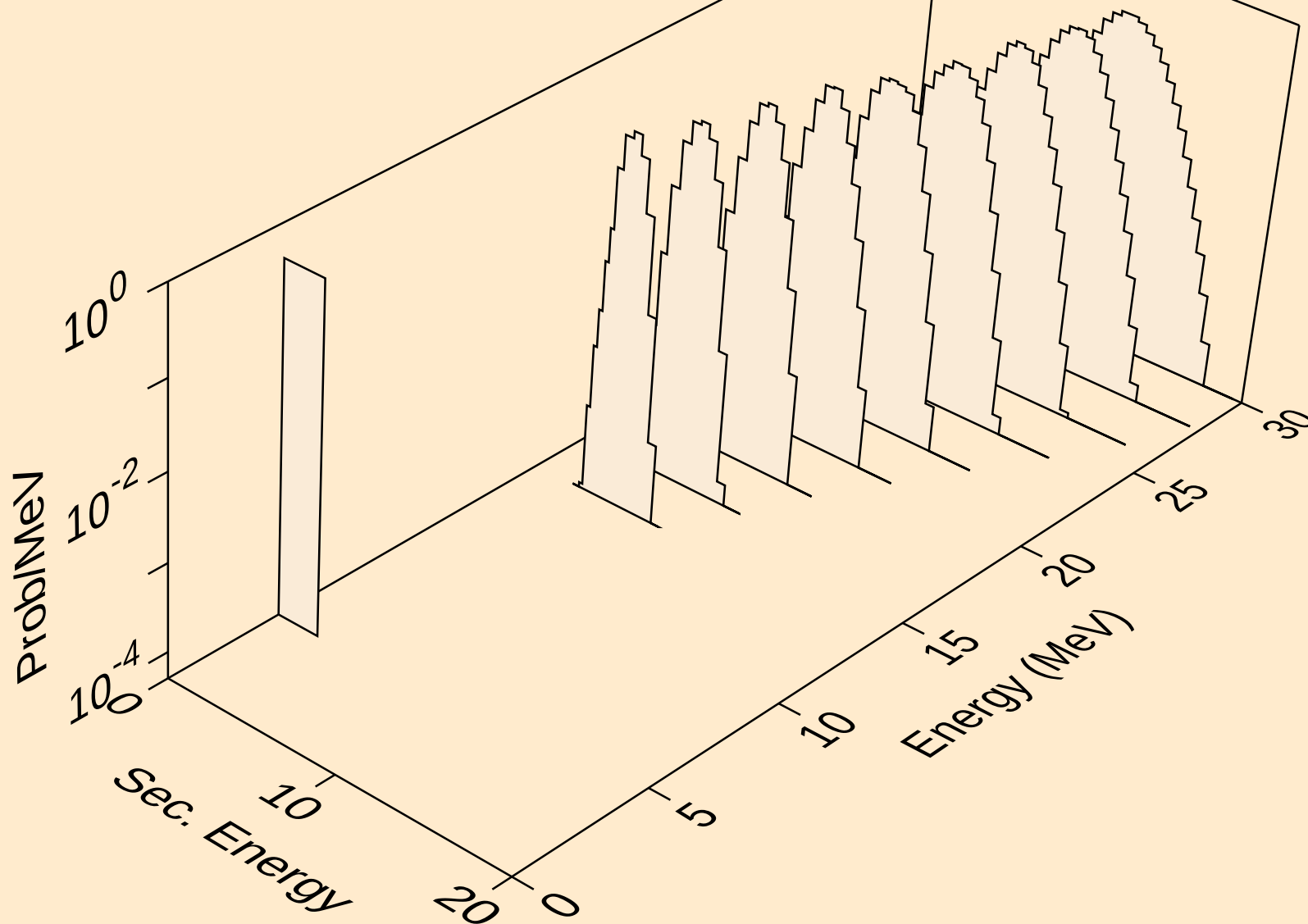
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



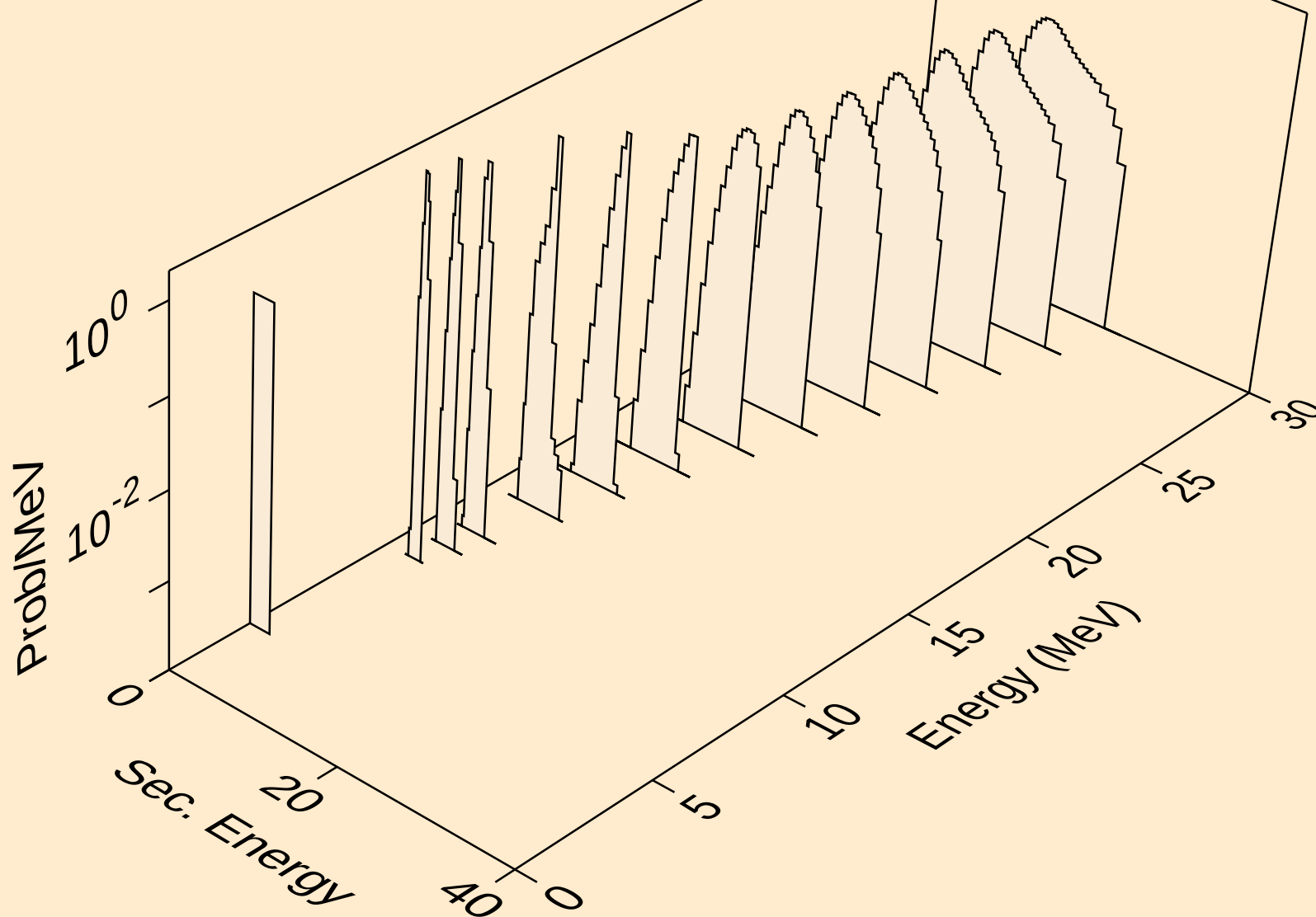
ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



ZR082 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

