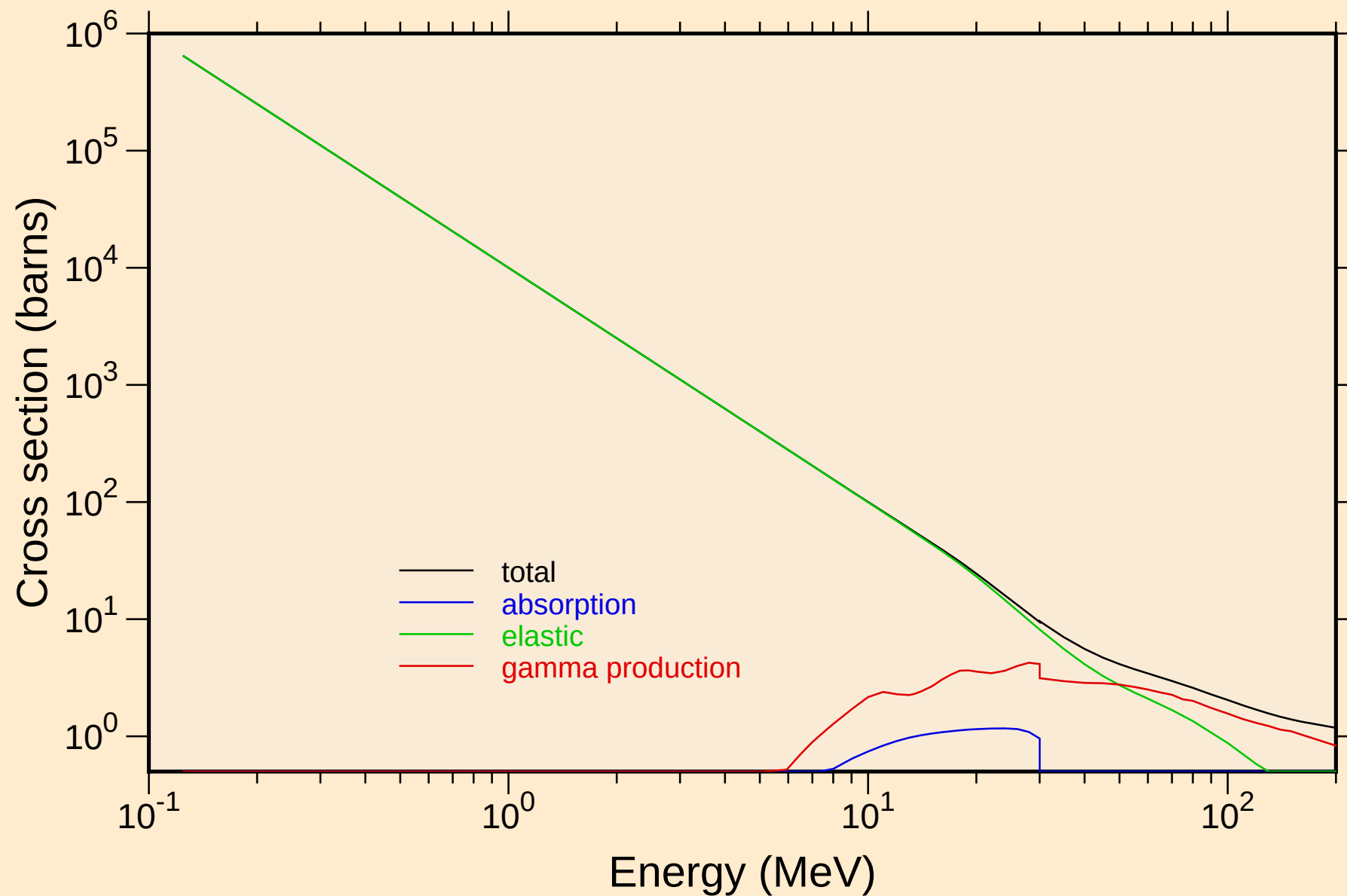


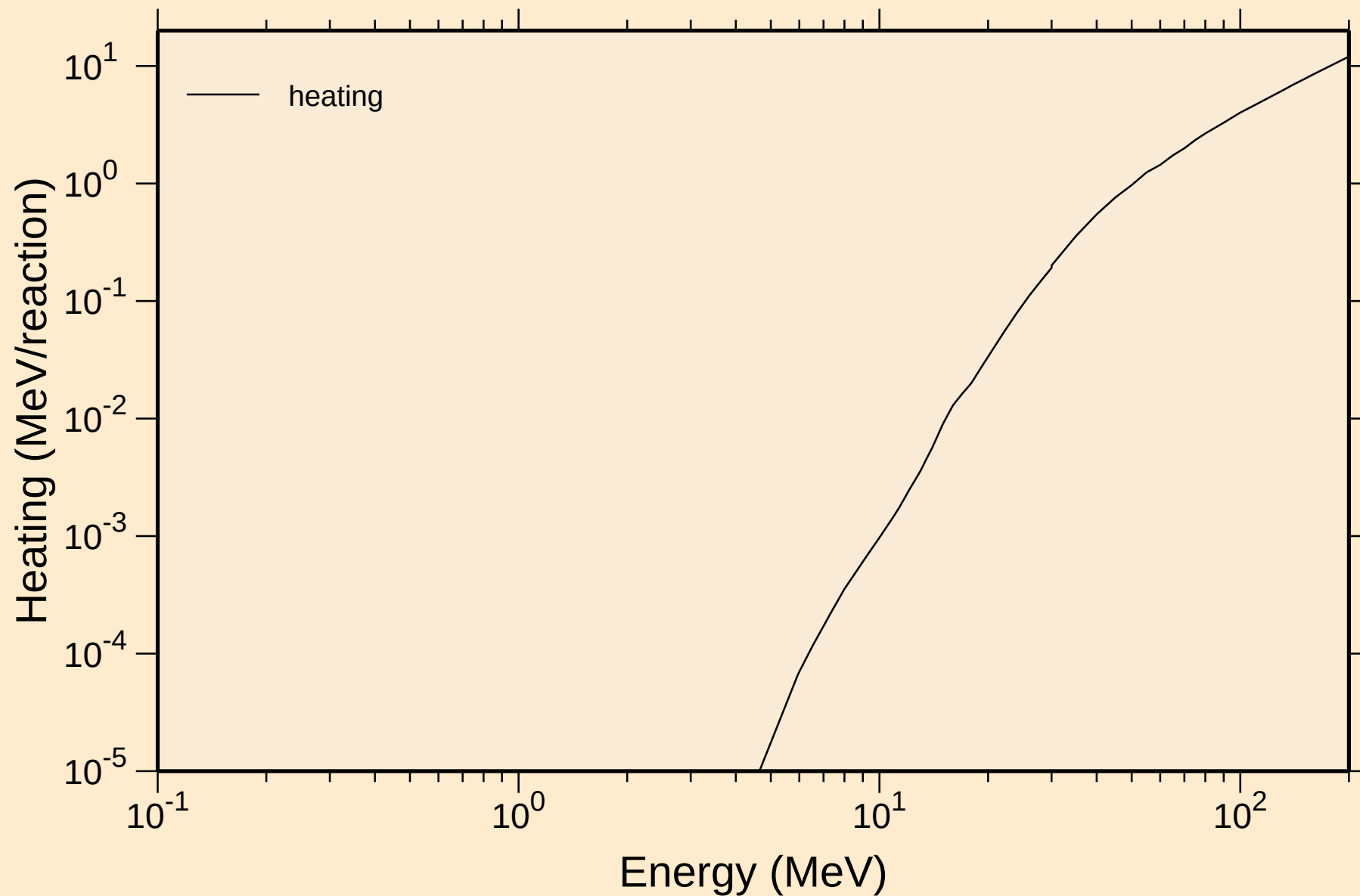
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



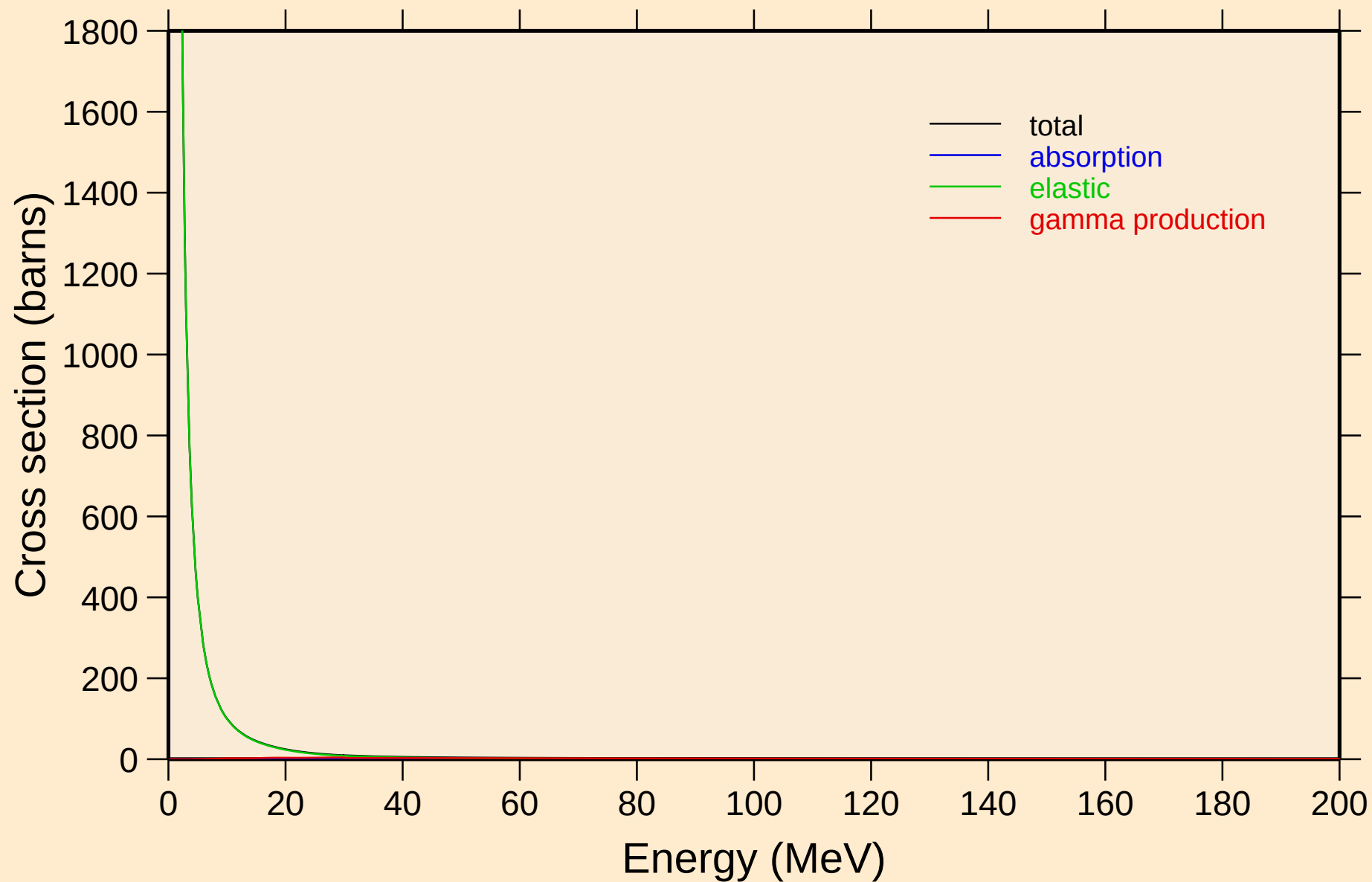
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



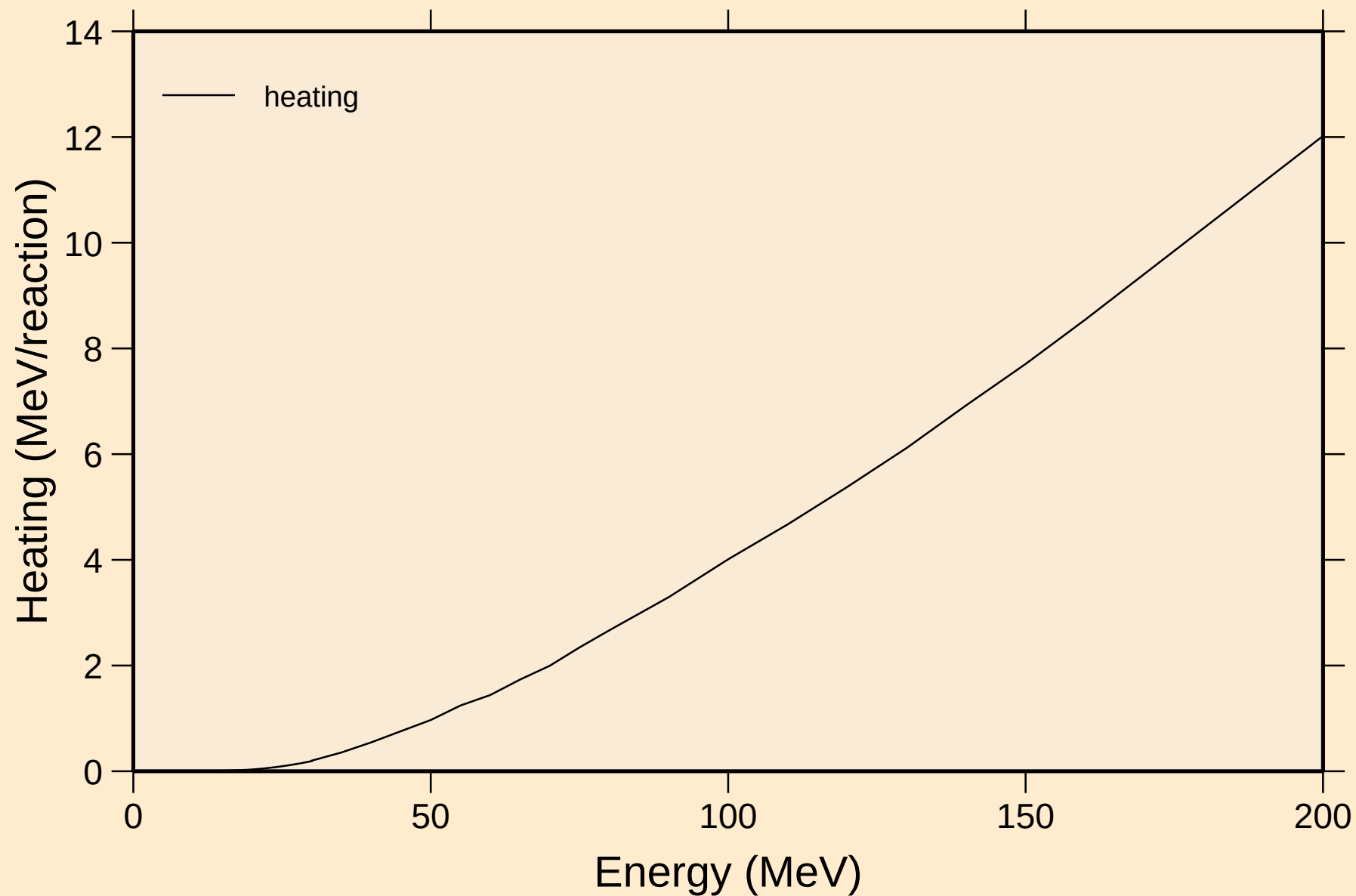
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Principal cross sections



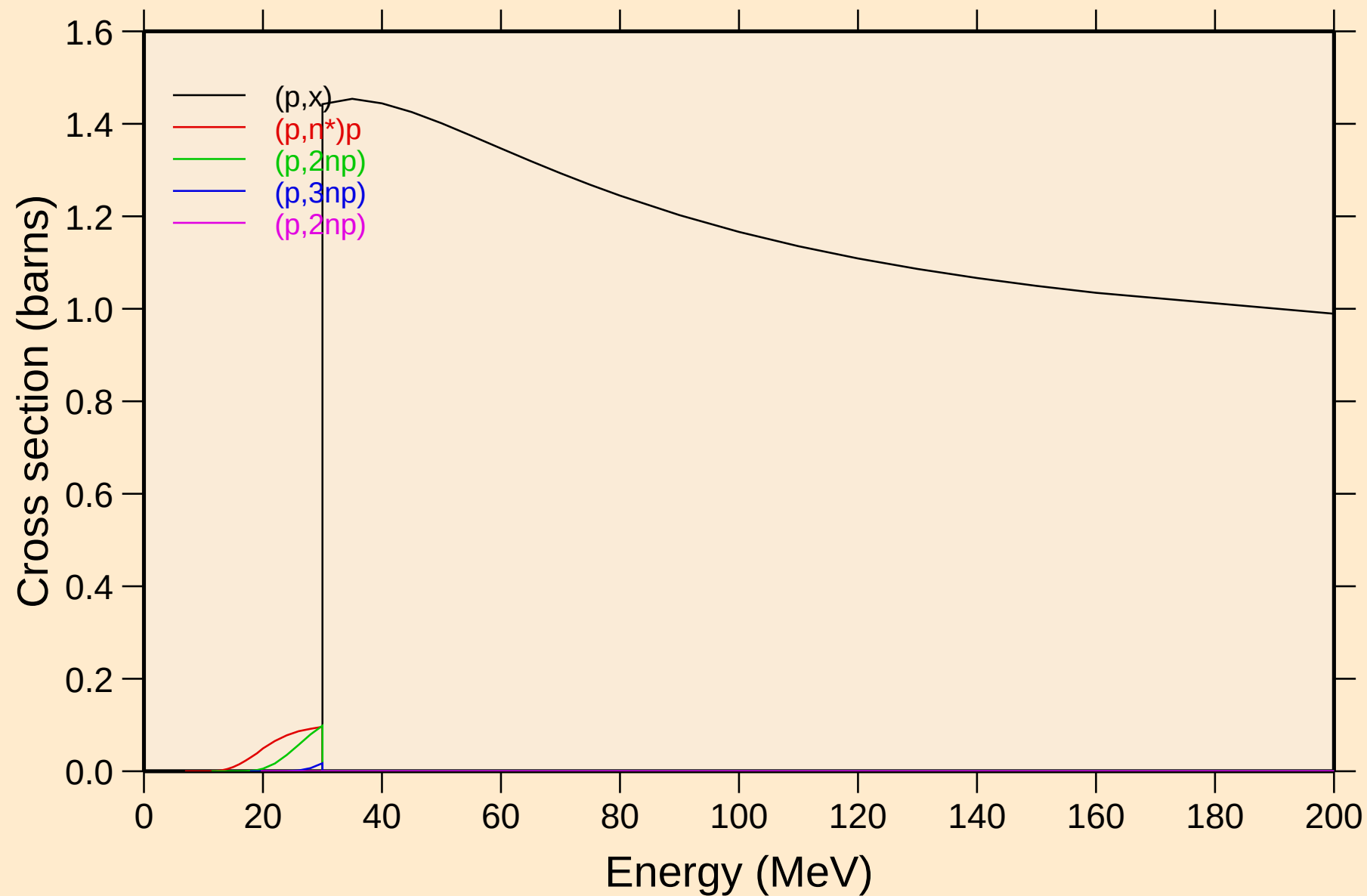
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Heating



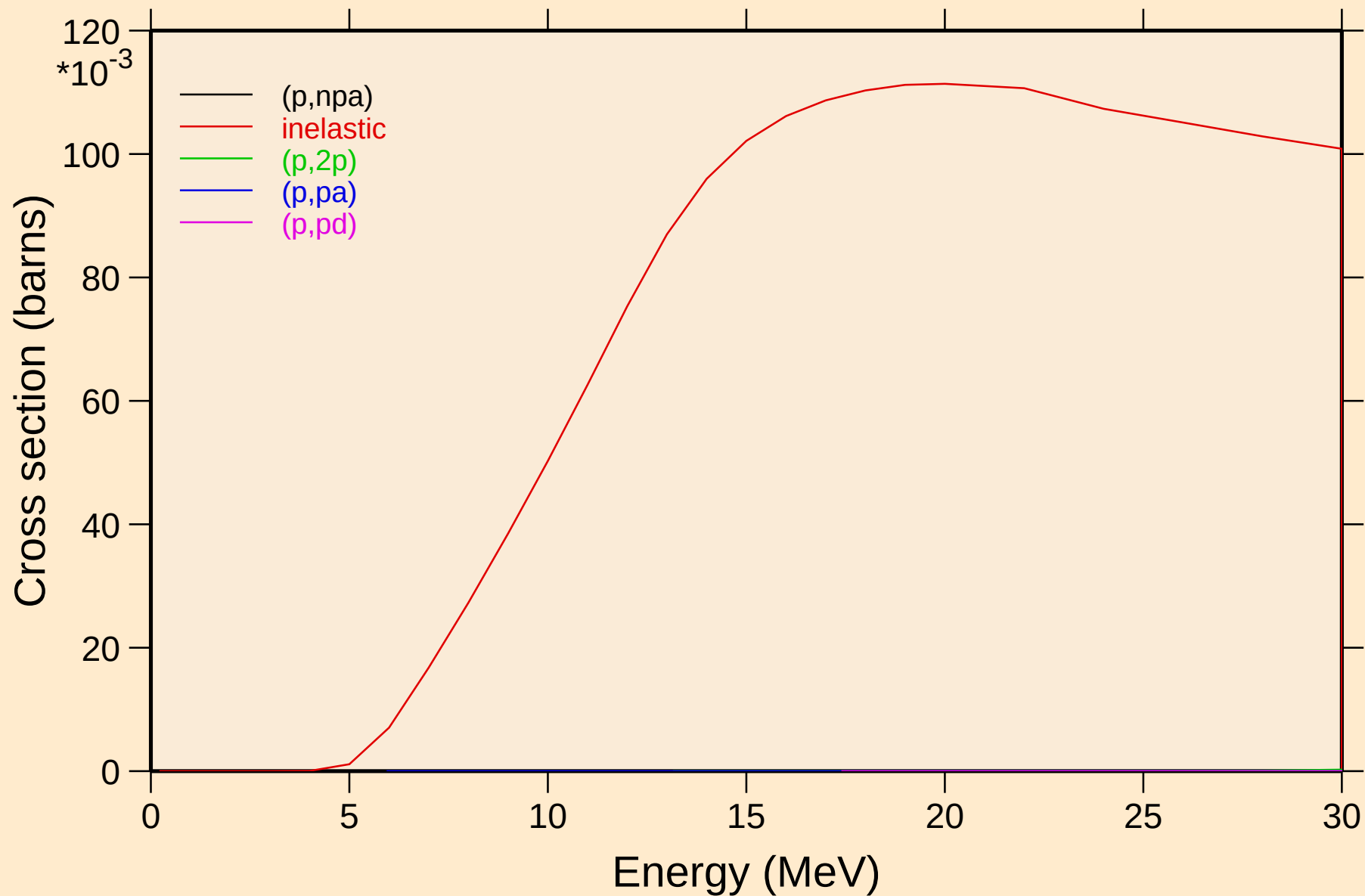
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



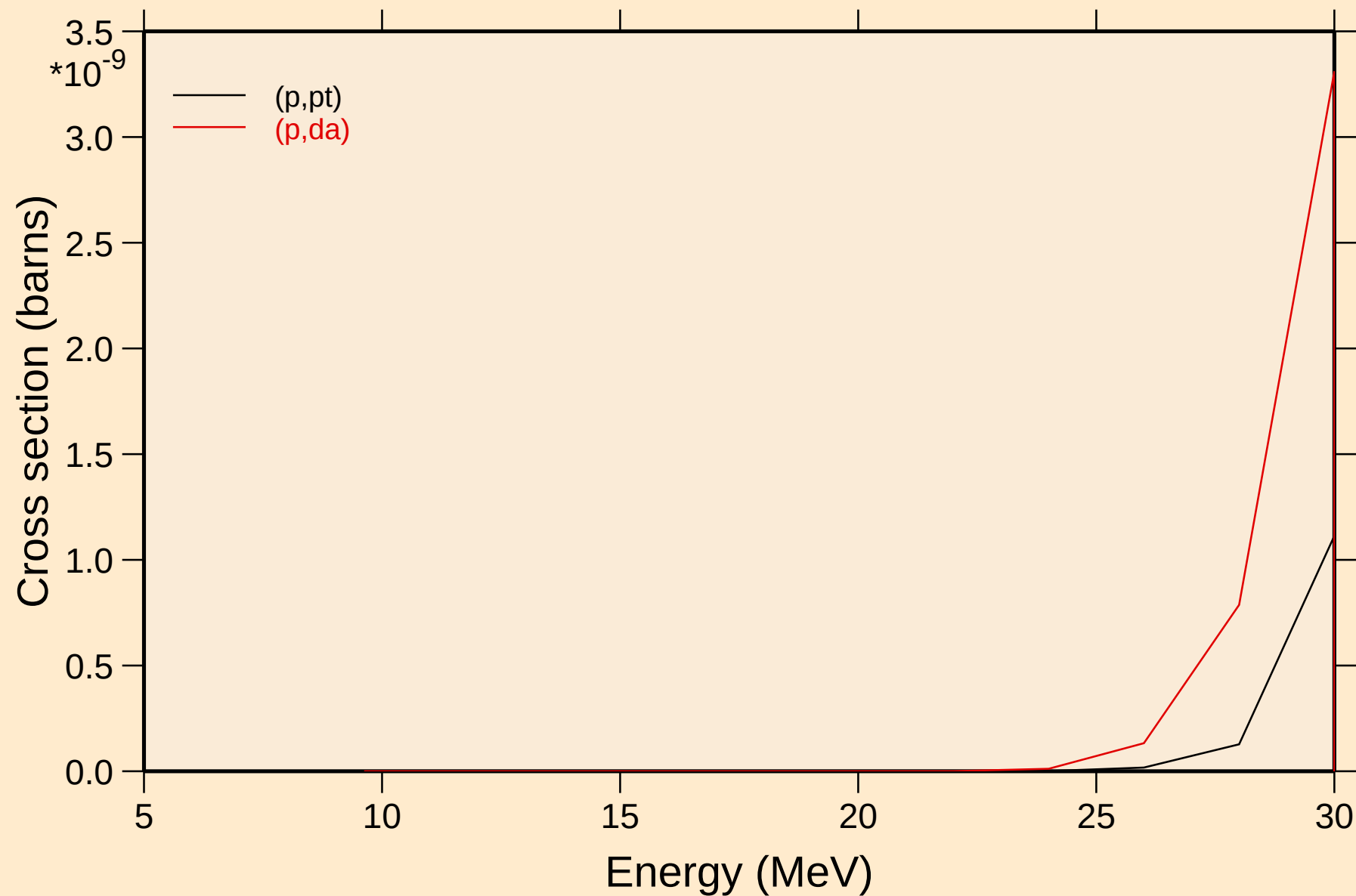
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

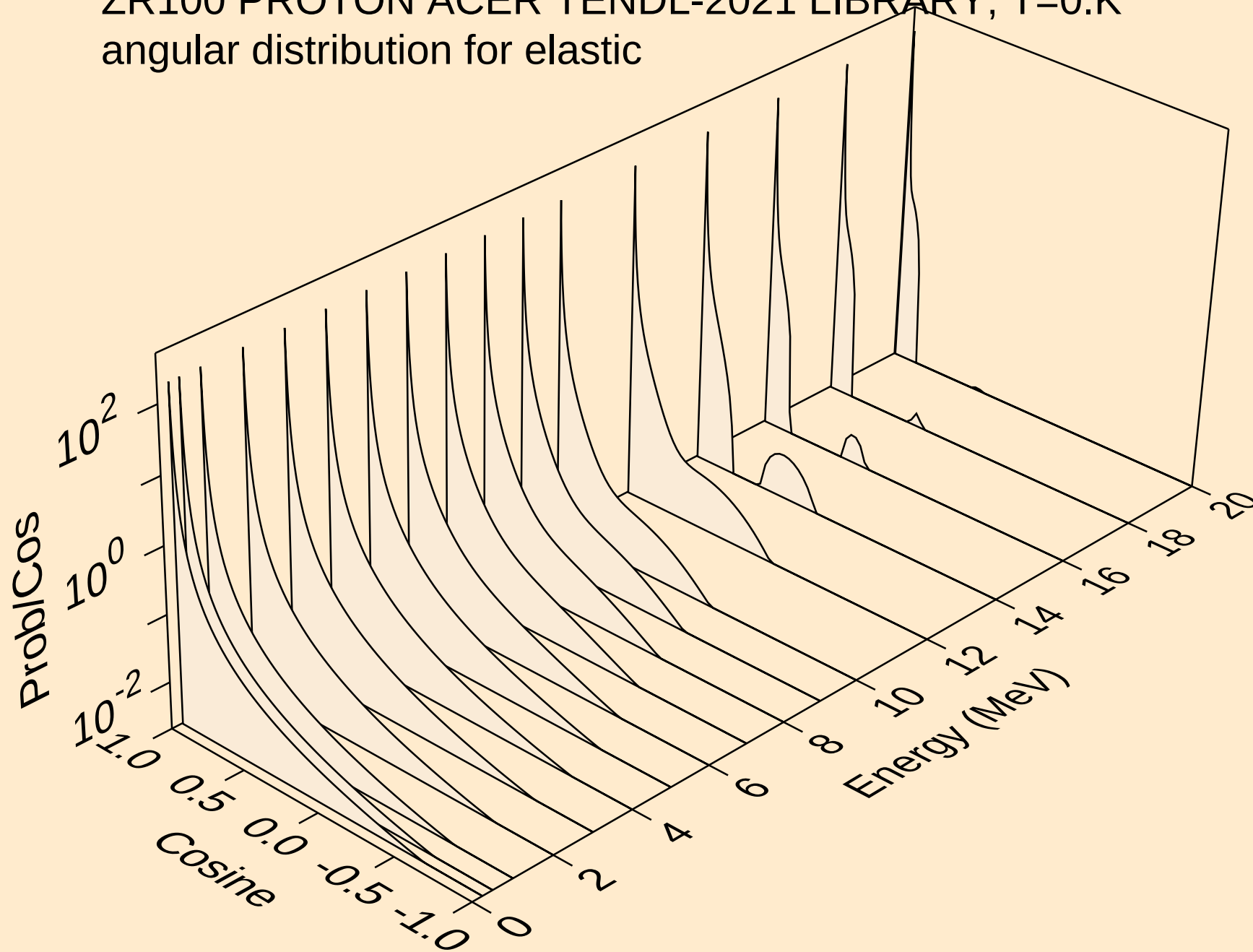


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

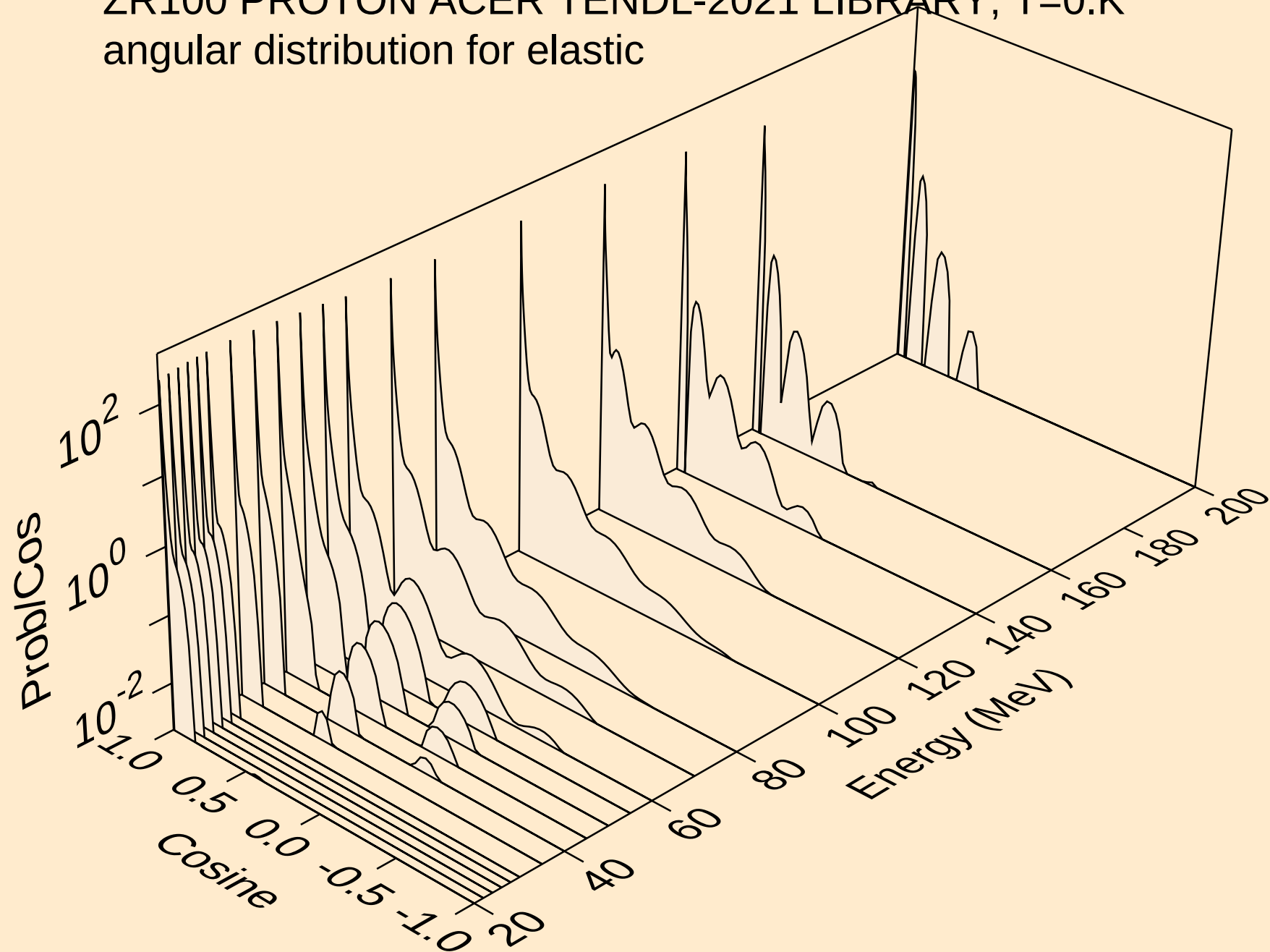
Threshold reactions



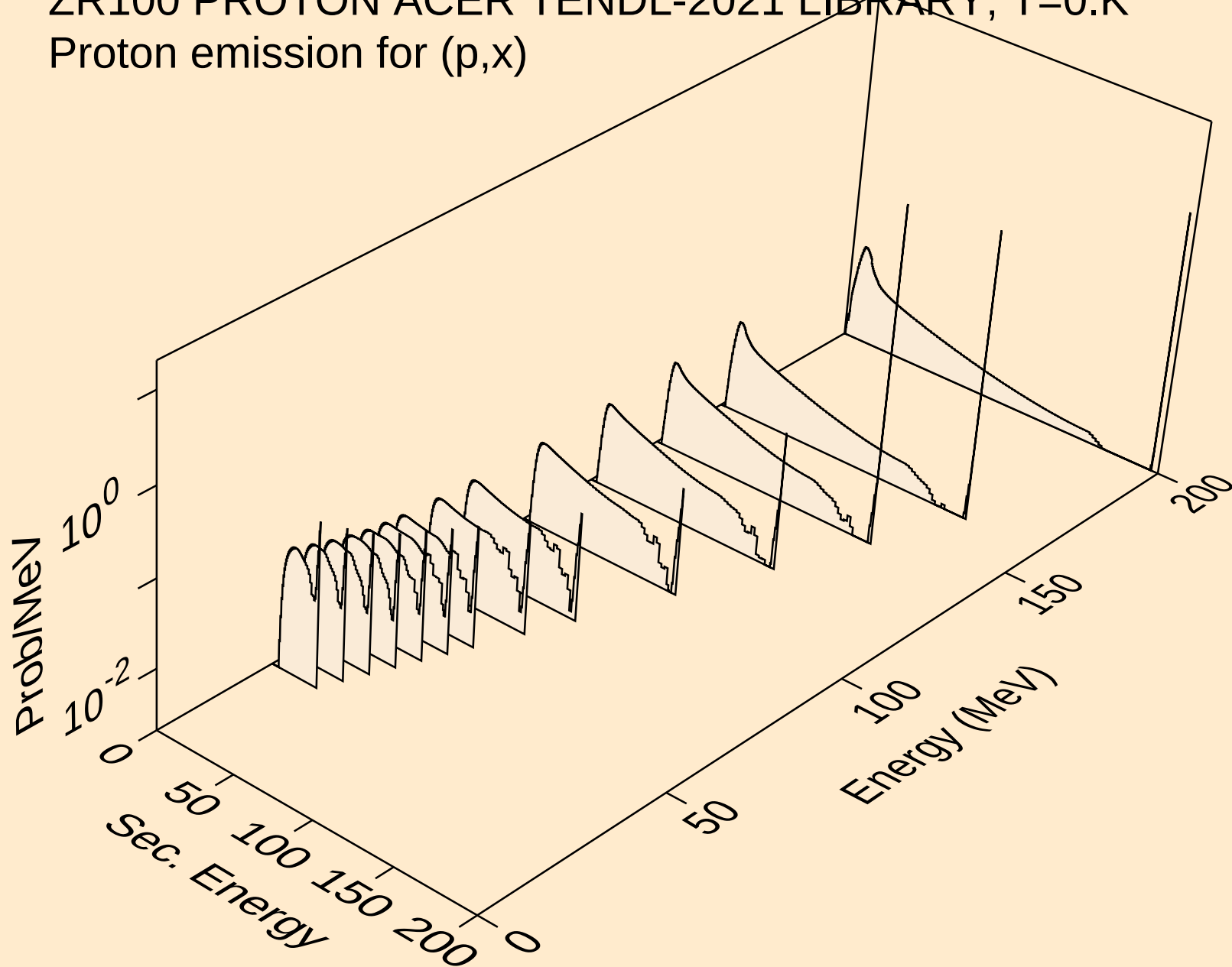
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
angular distribution for elastic

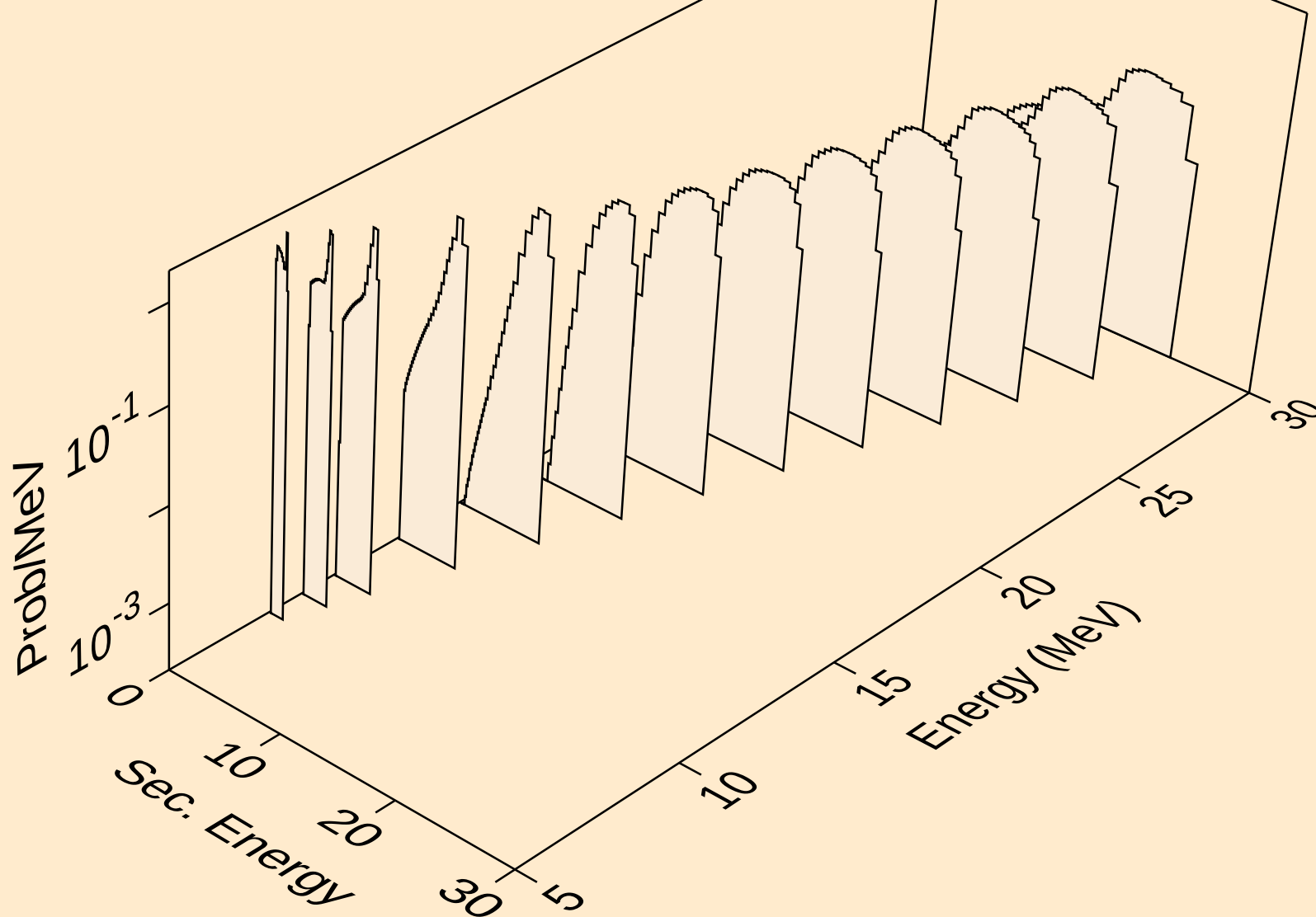


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,x)

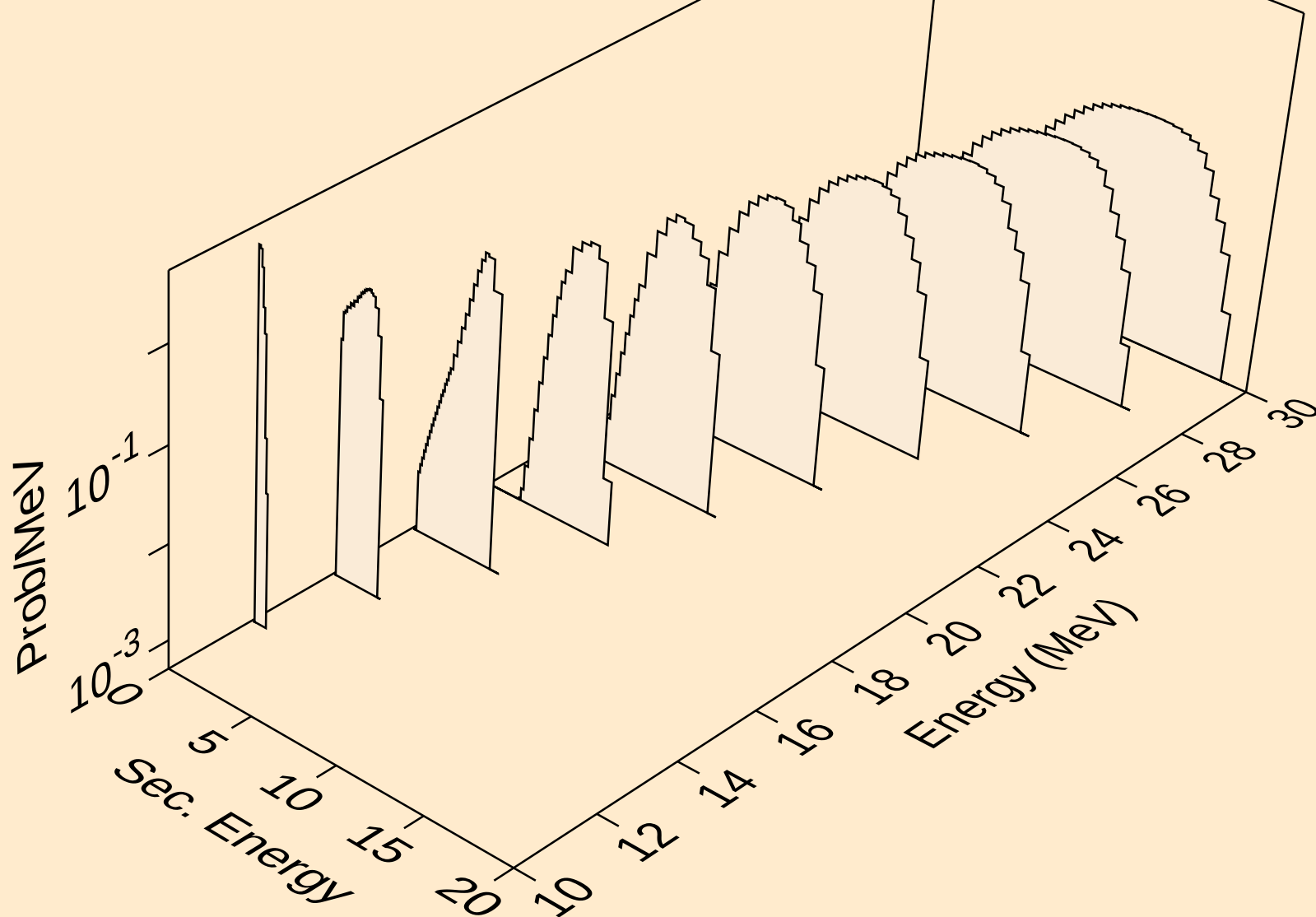


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

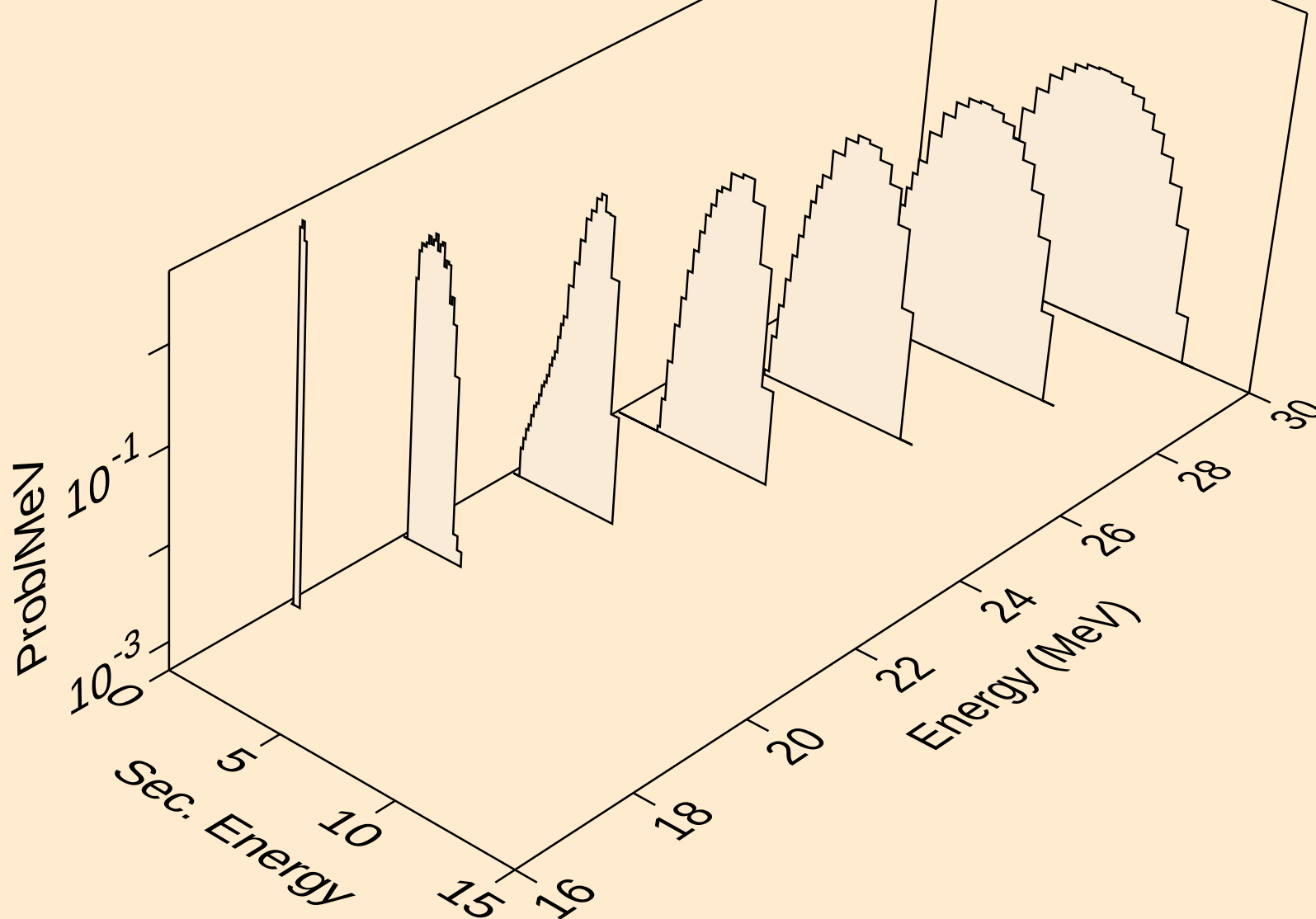
Proton emission for $(p,n^*)p$



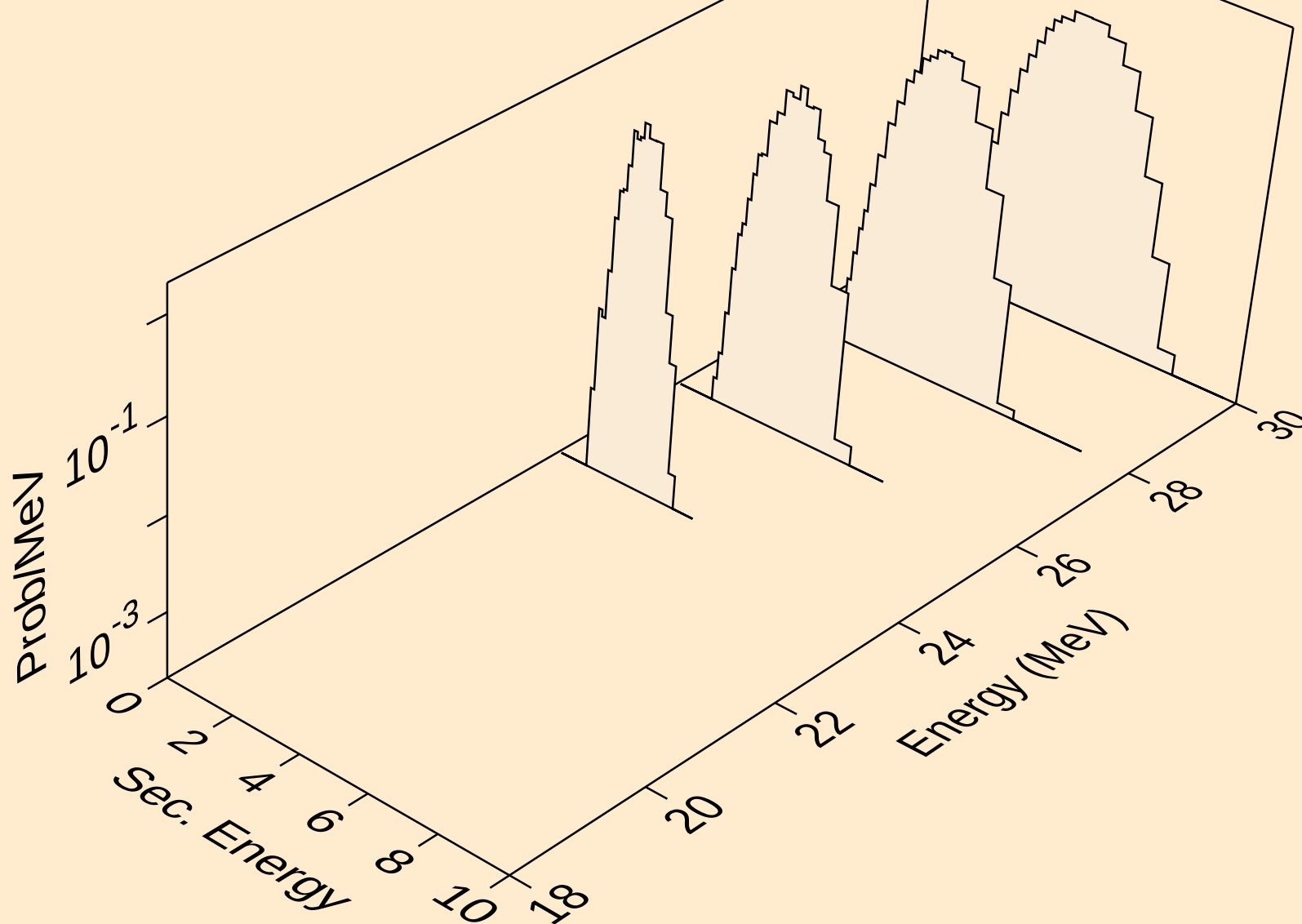
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Proton emission for (p,2np)



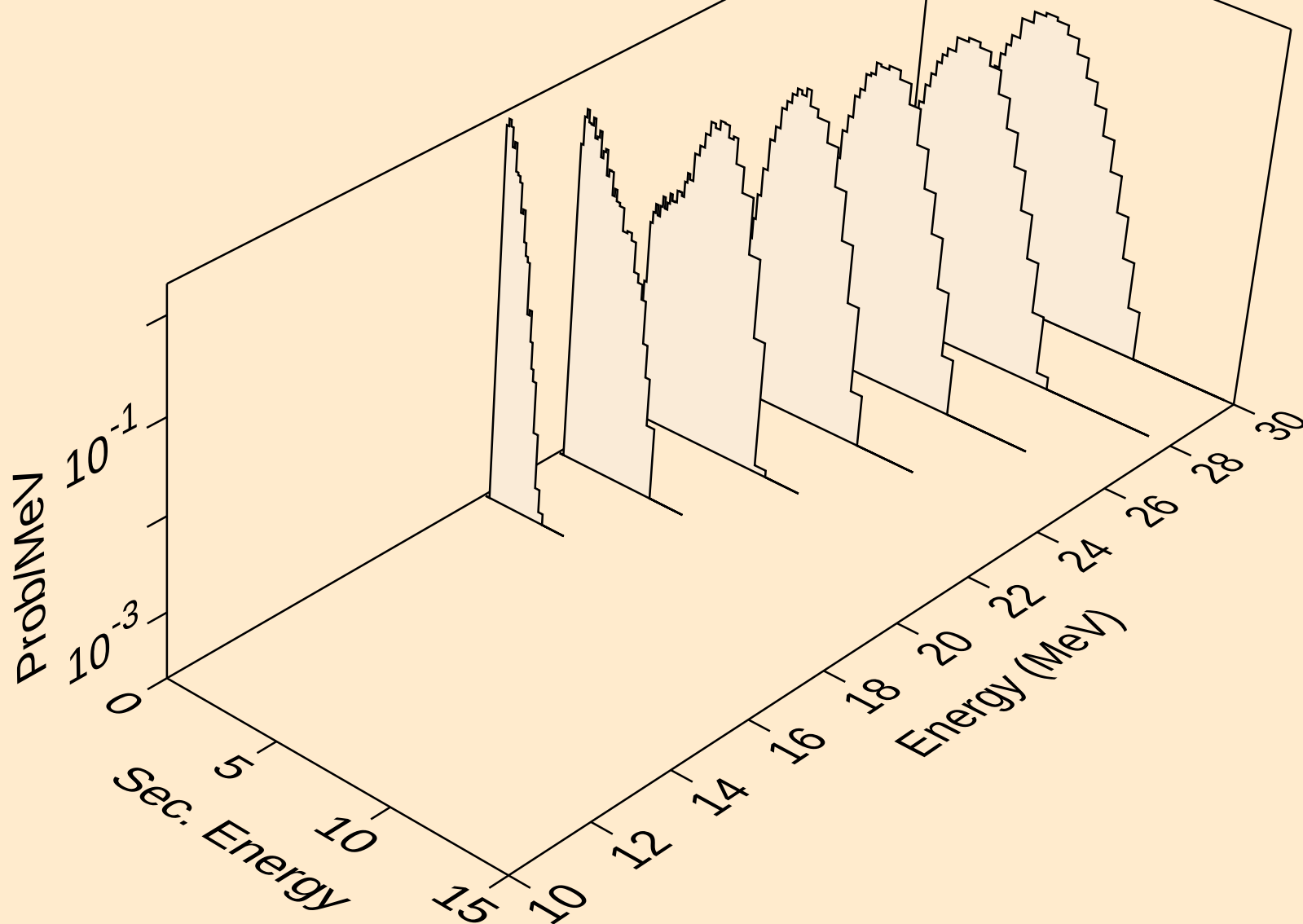
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,3np)



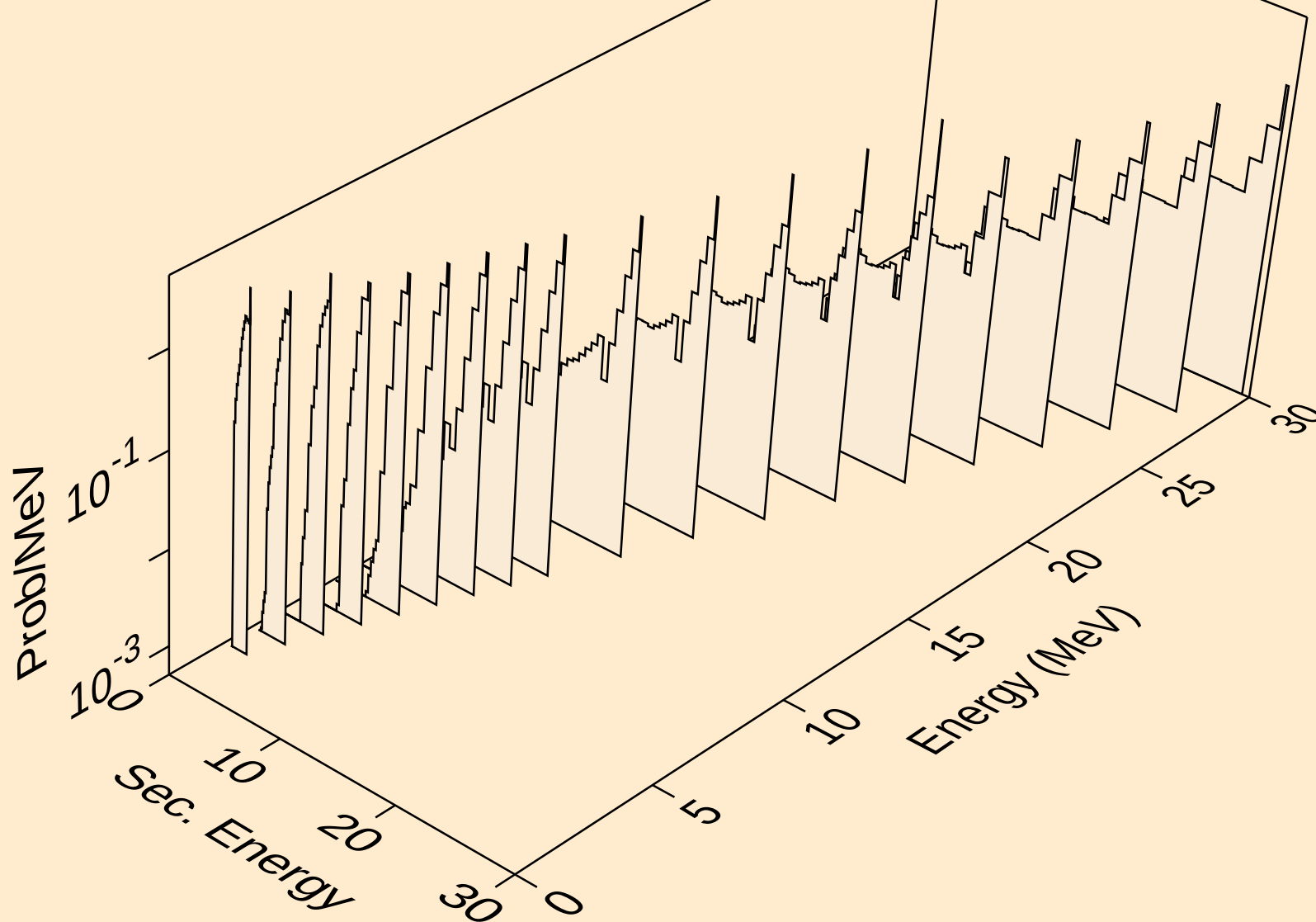
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,2np)



ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,npa)

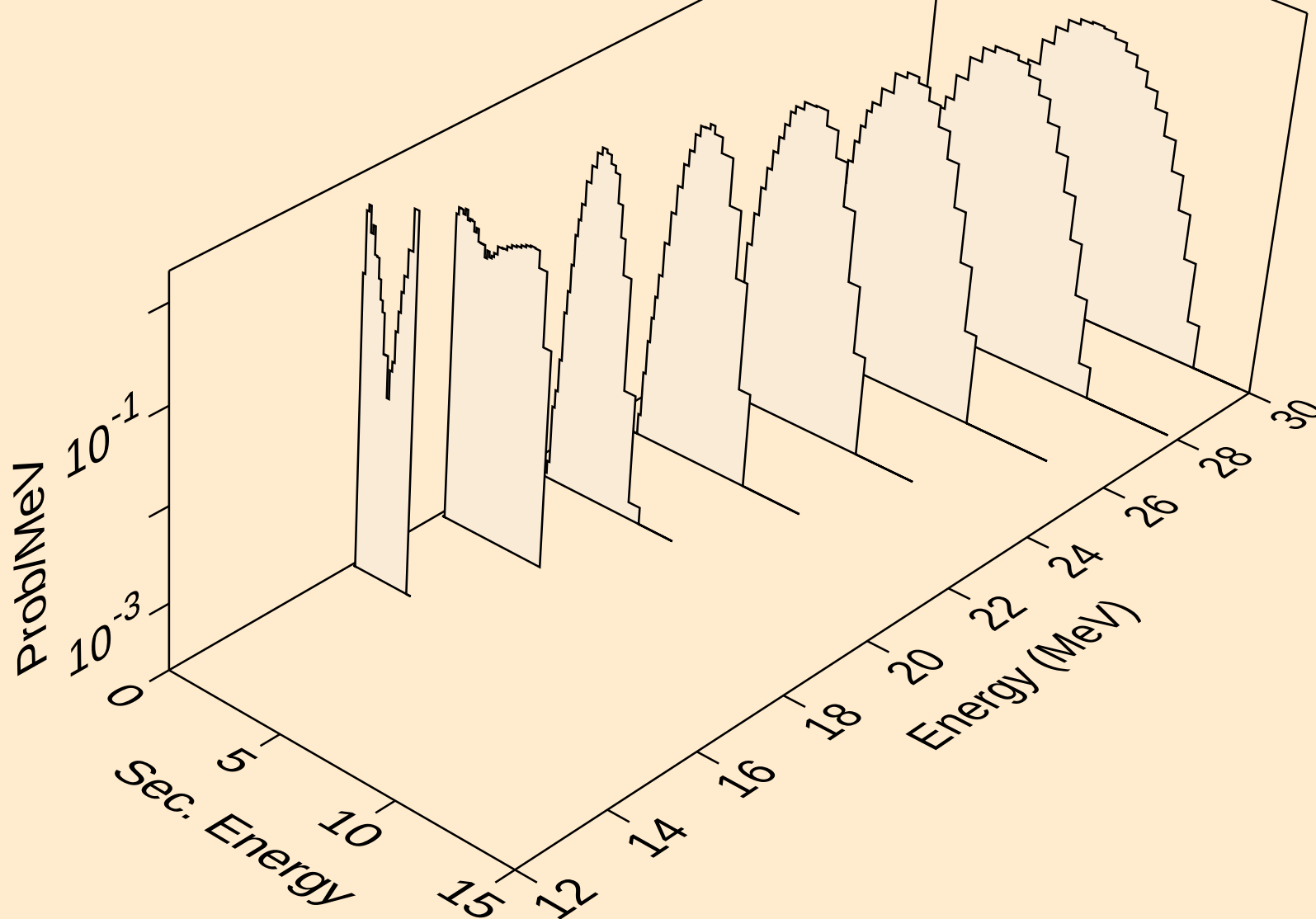


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for inelastic

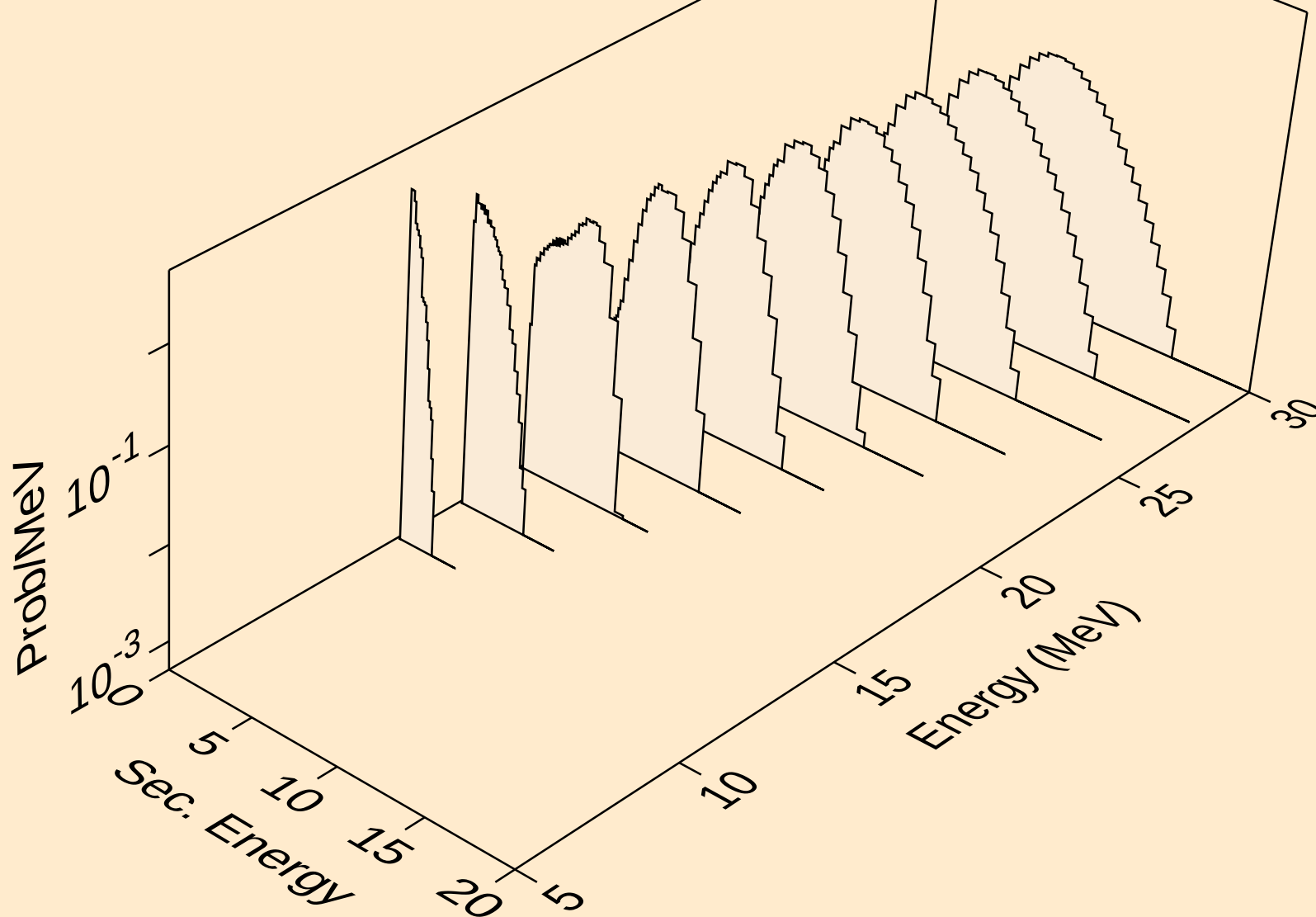


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,2p)

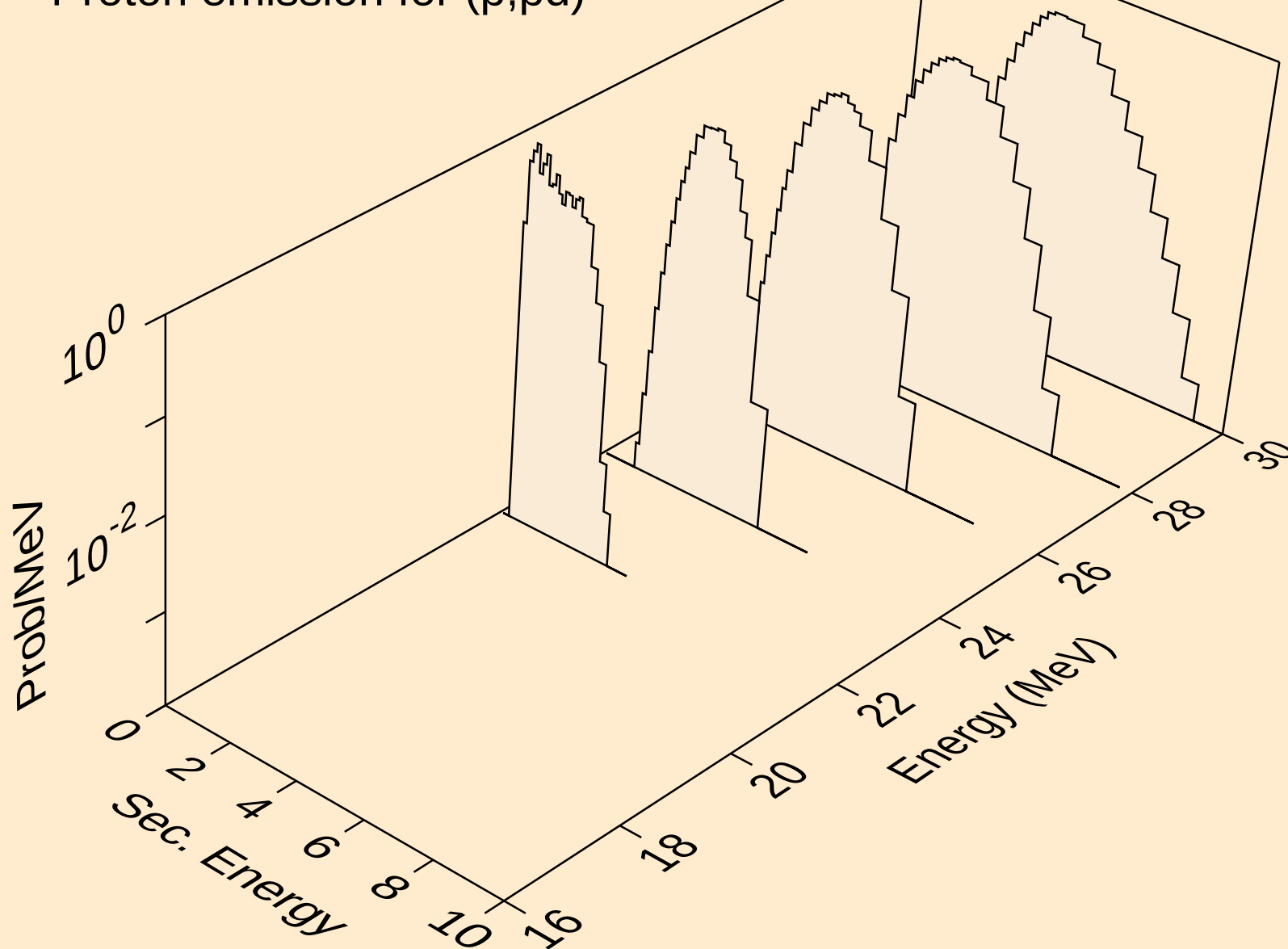


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,pa)



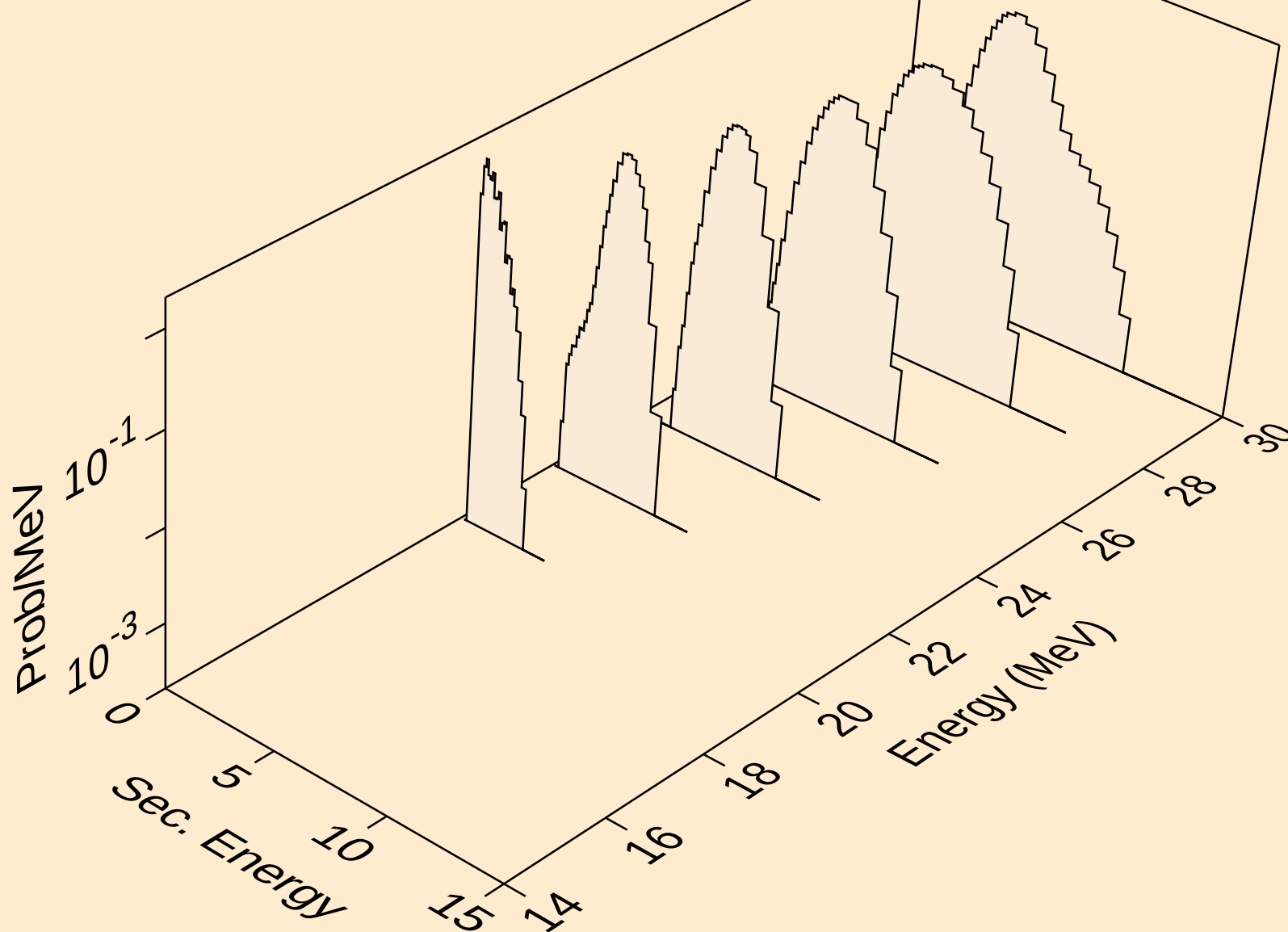
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,pd)

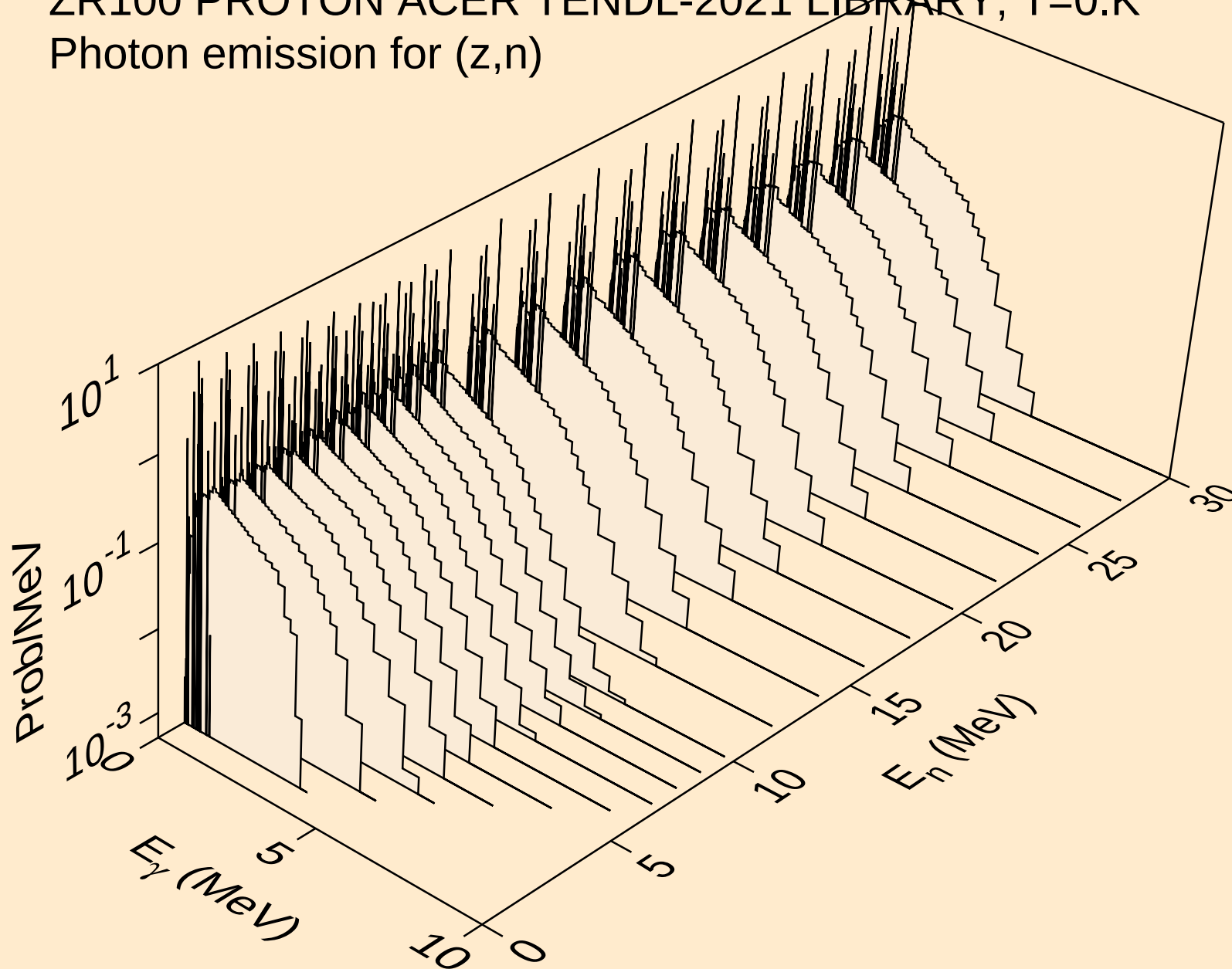


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Proton emission for (p,pt)

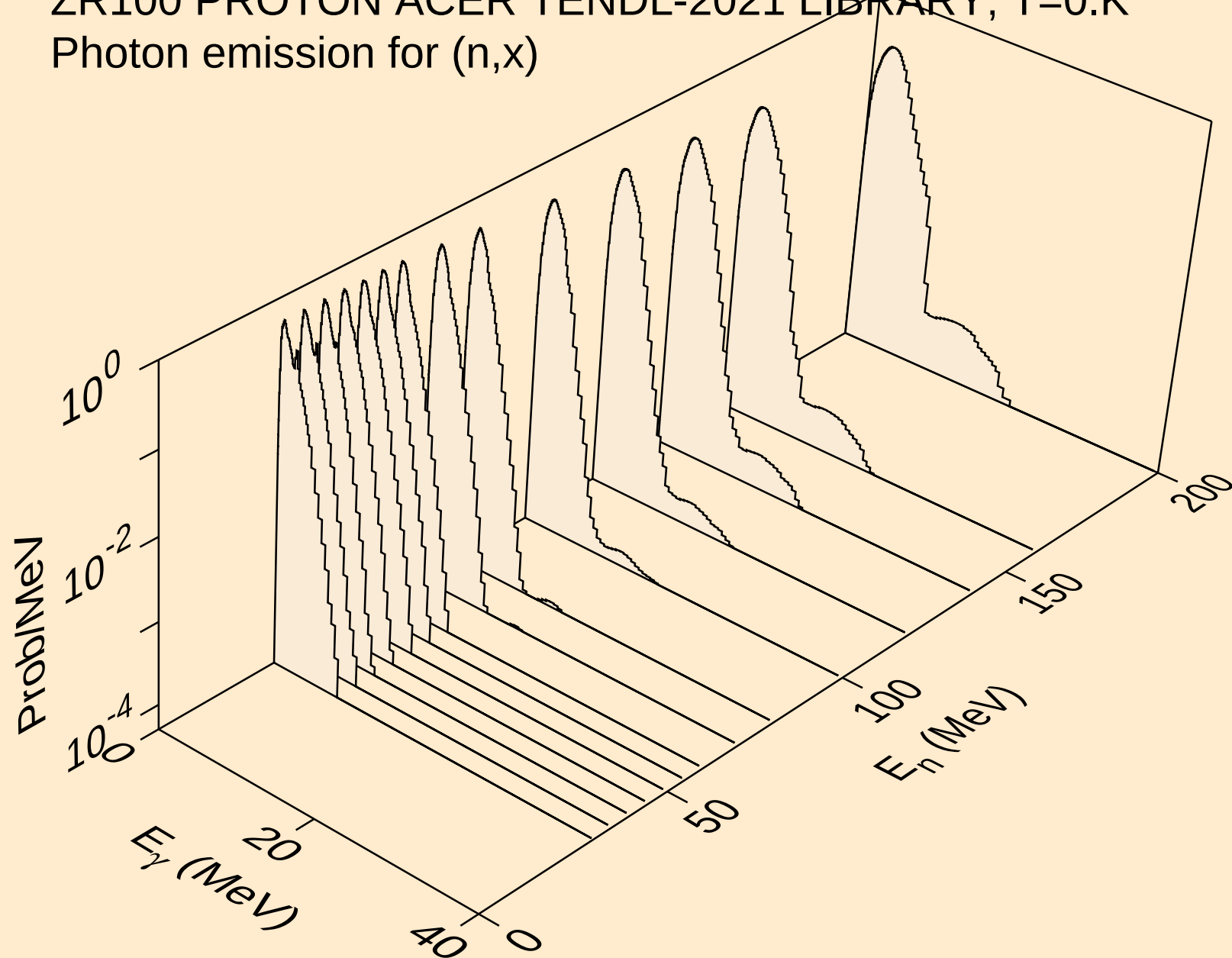


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (z,n)

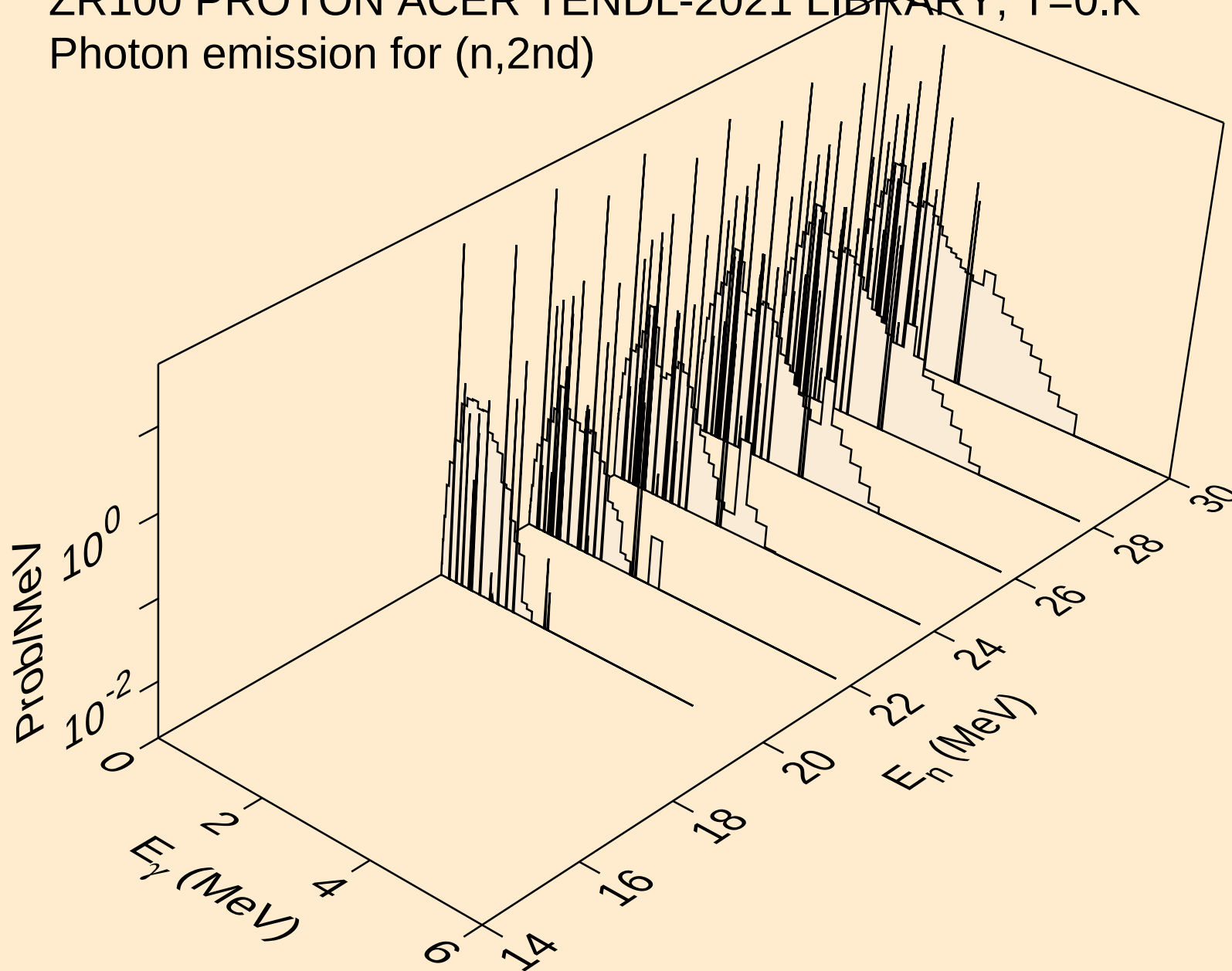


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

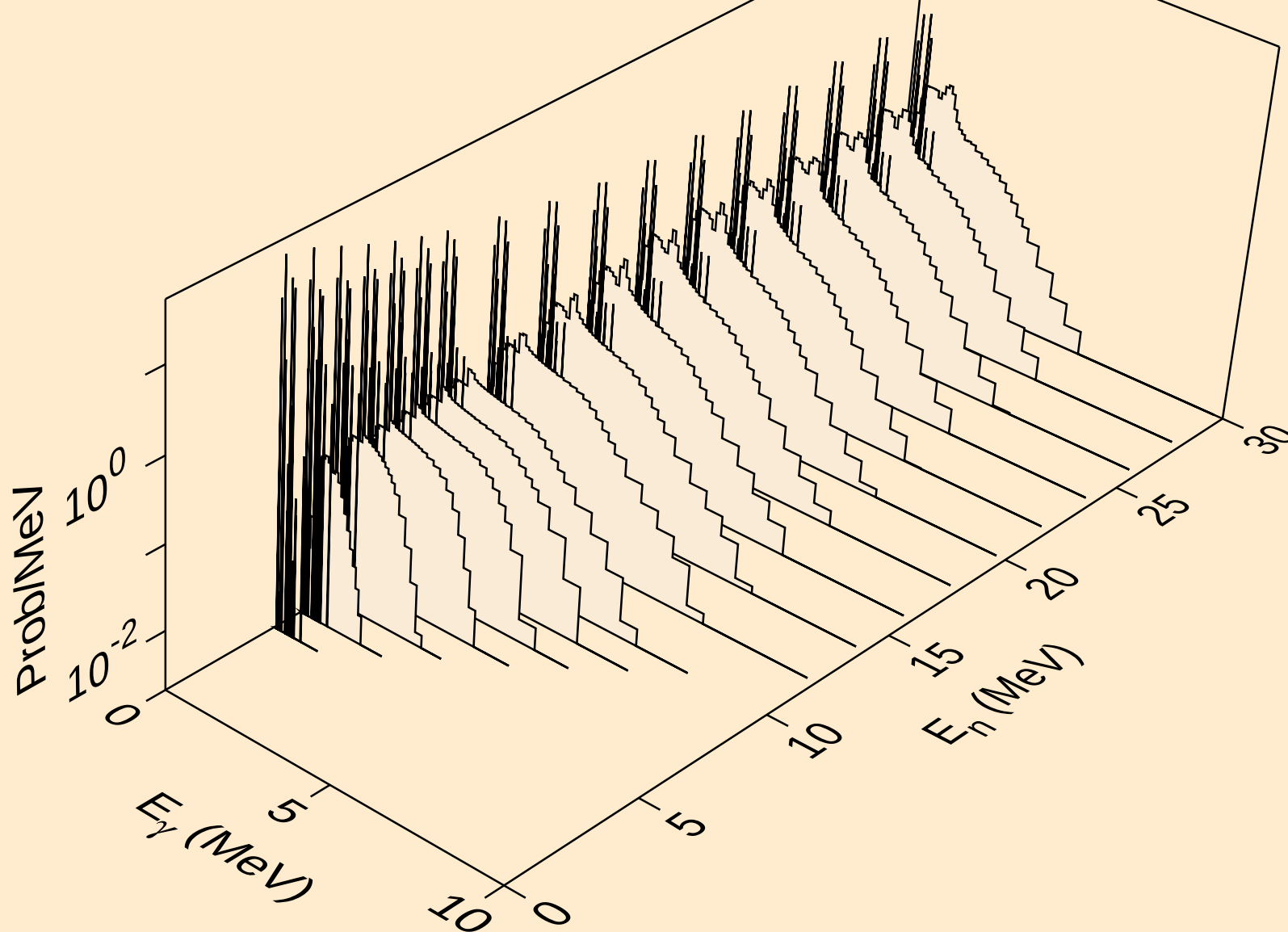
Photon emission for (n,x)



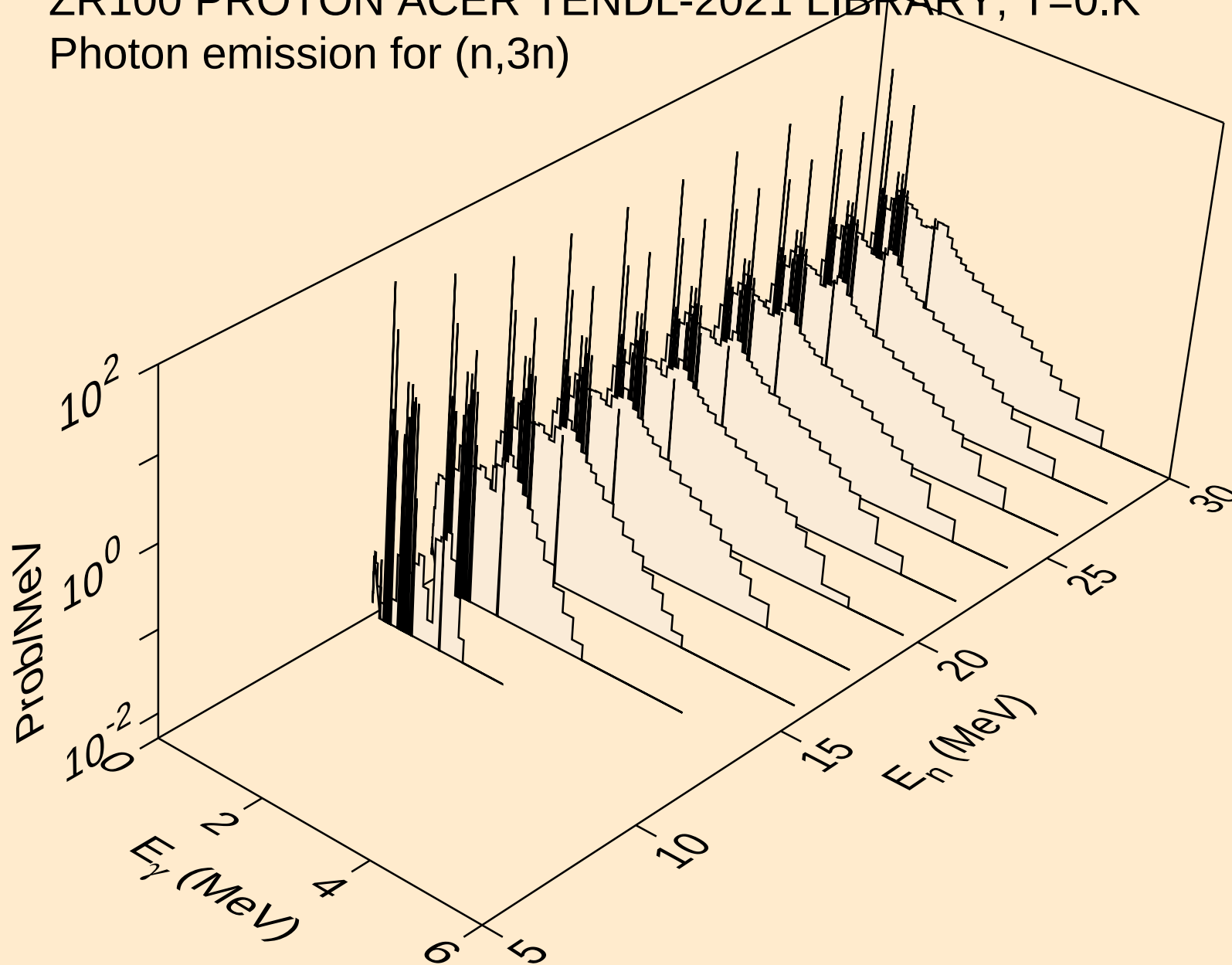
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2nd)



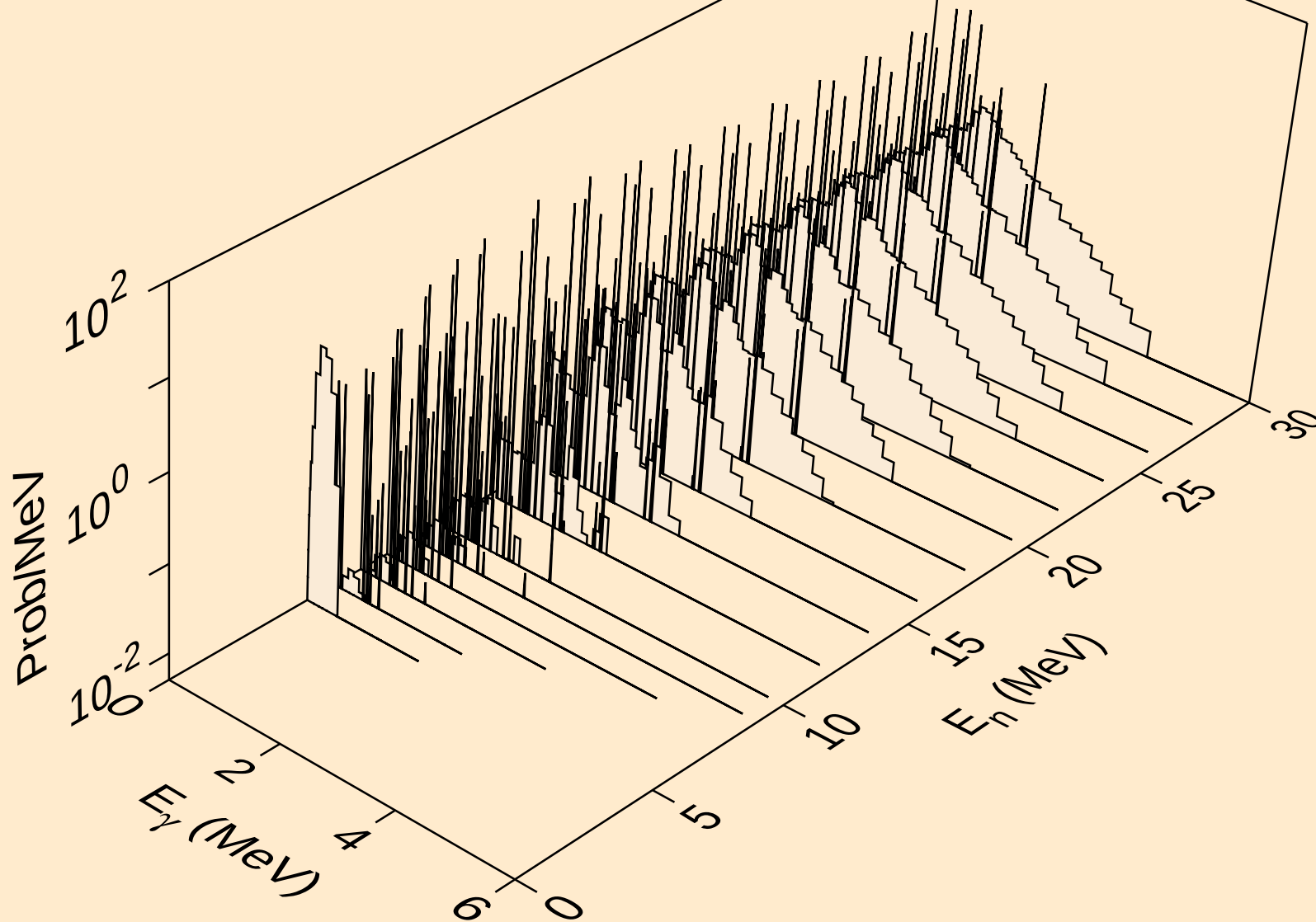
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2n)



ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,3n)

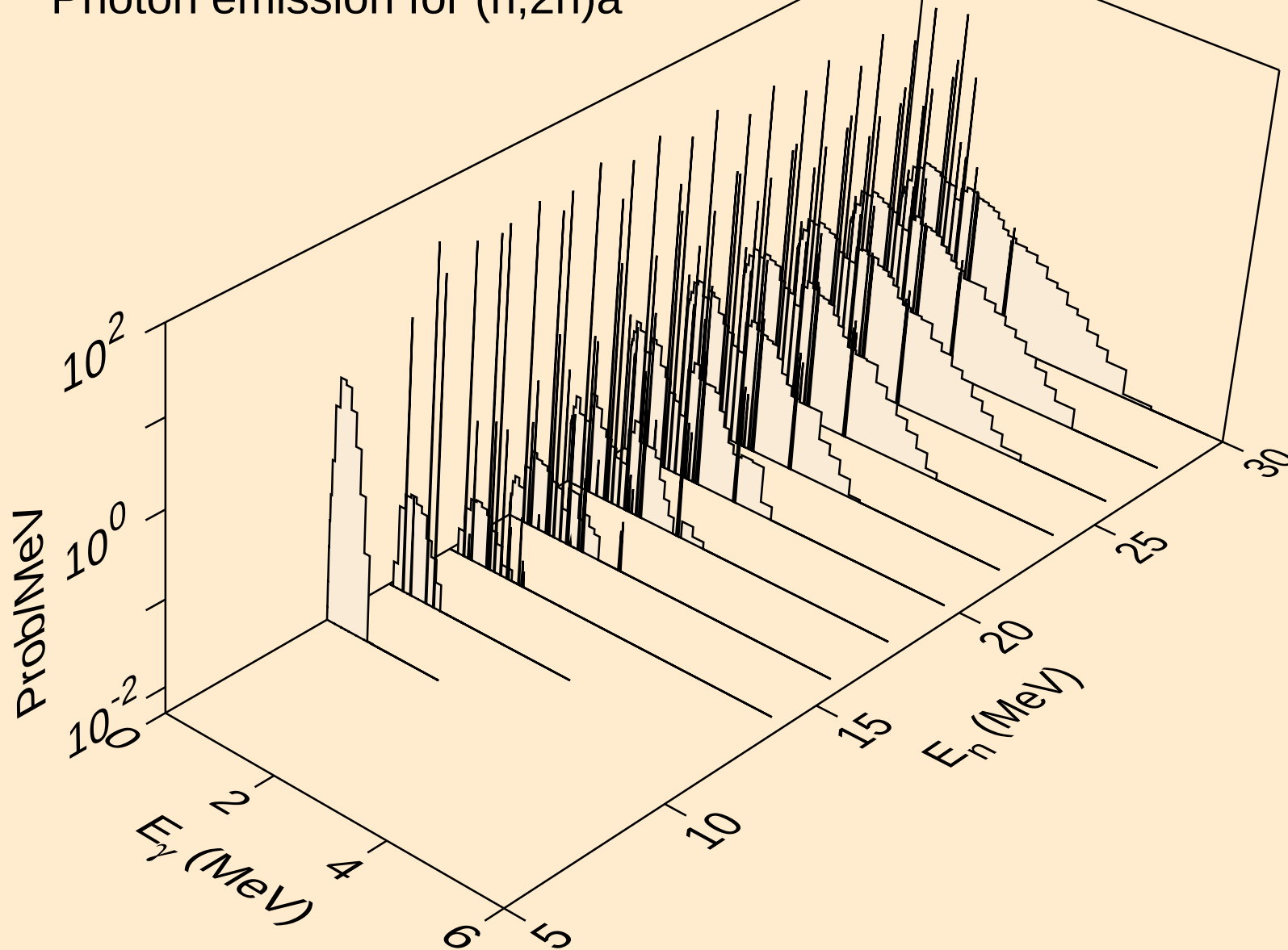


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)a$



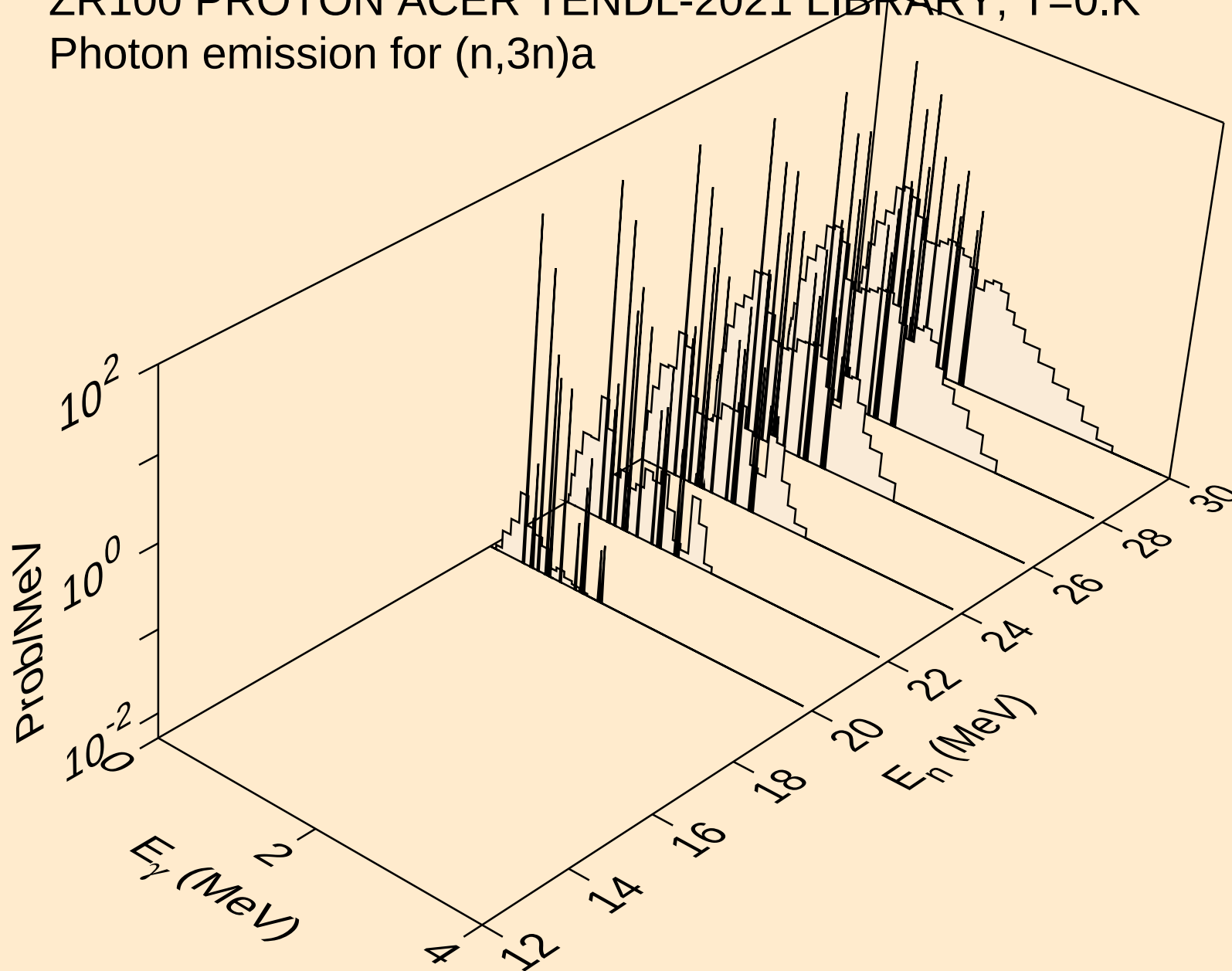
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$

Photon emission for $(n,2n)\alpha$



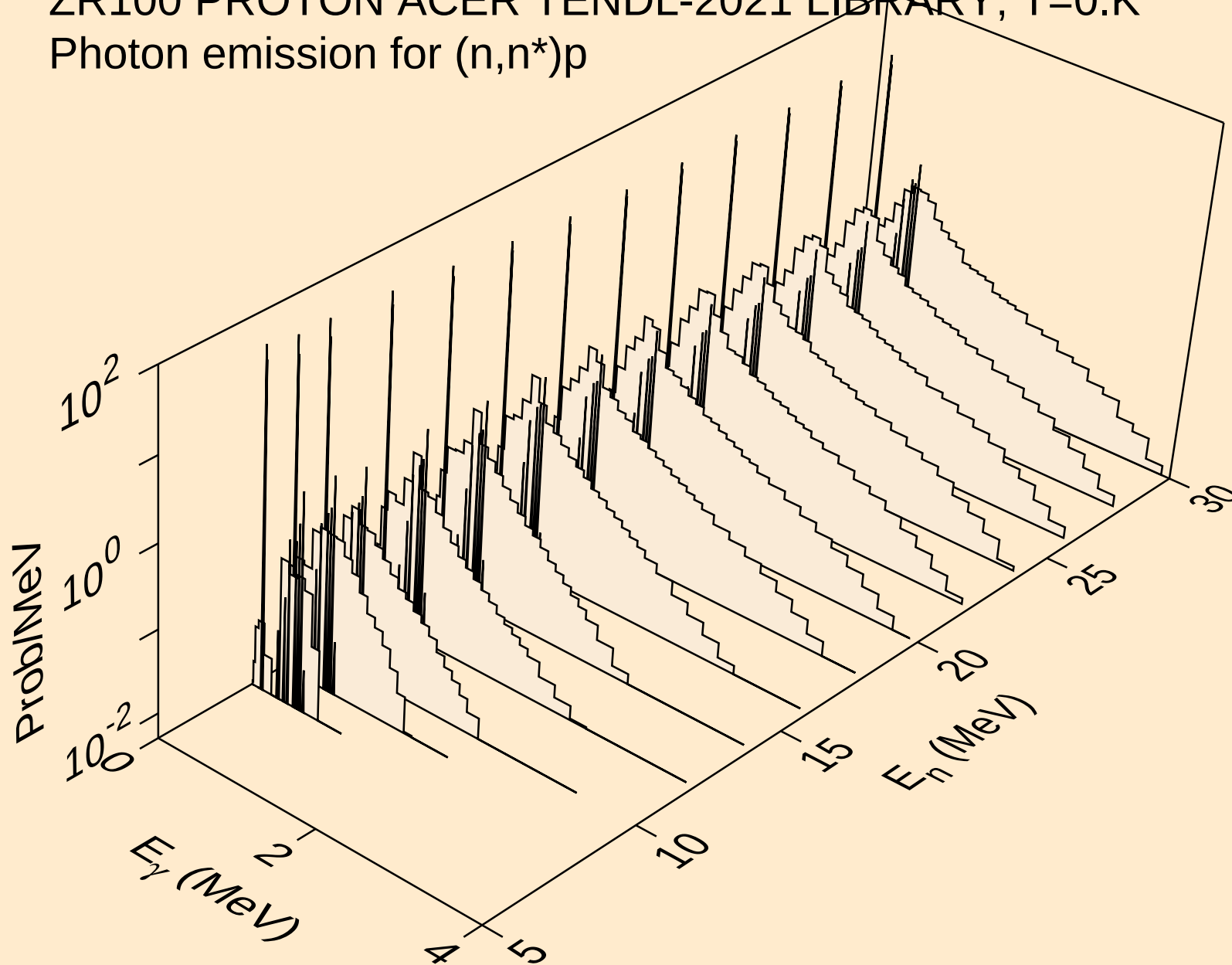
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$

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

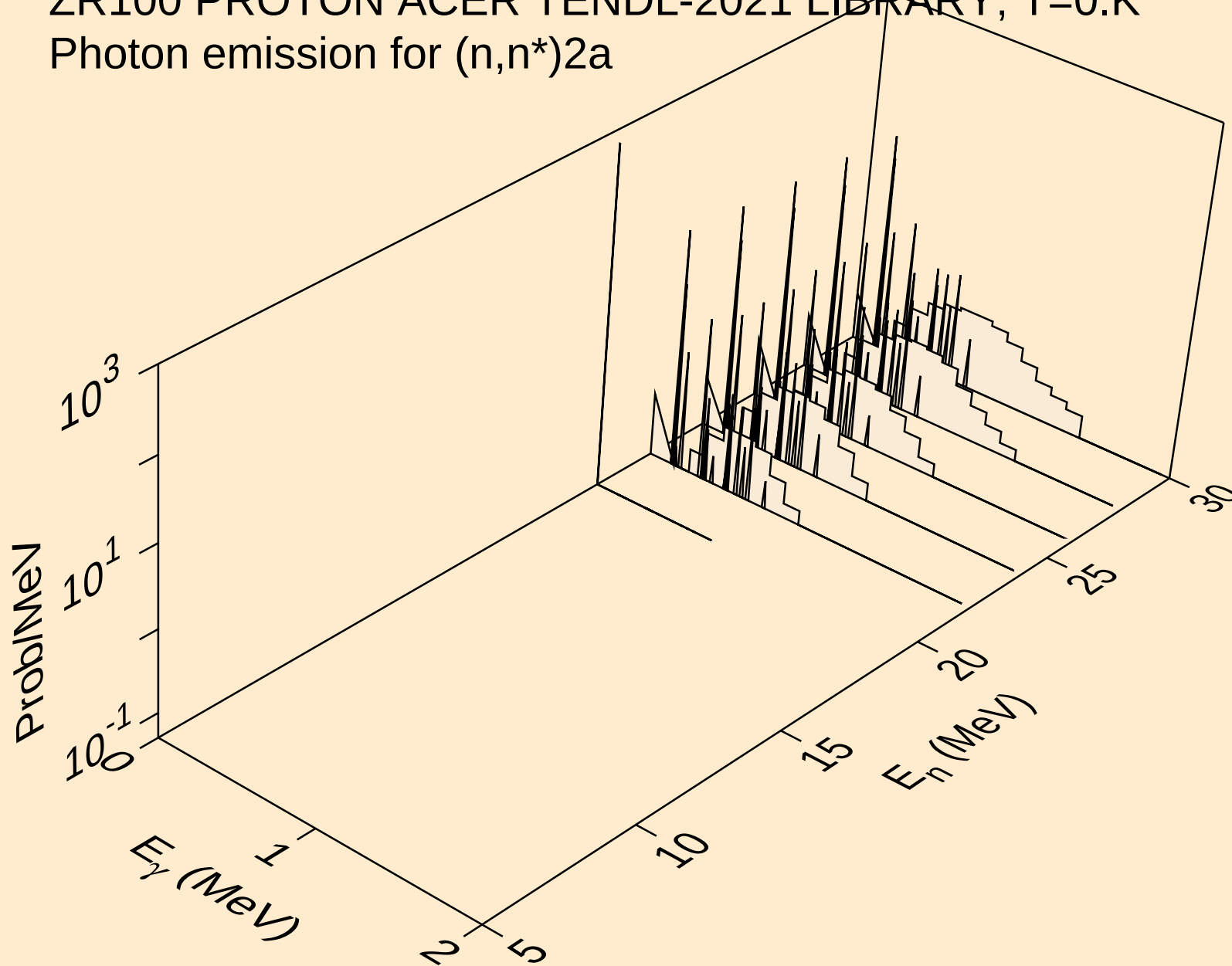


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$

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

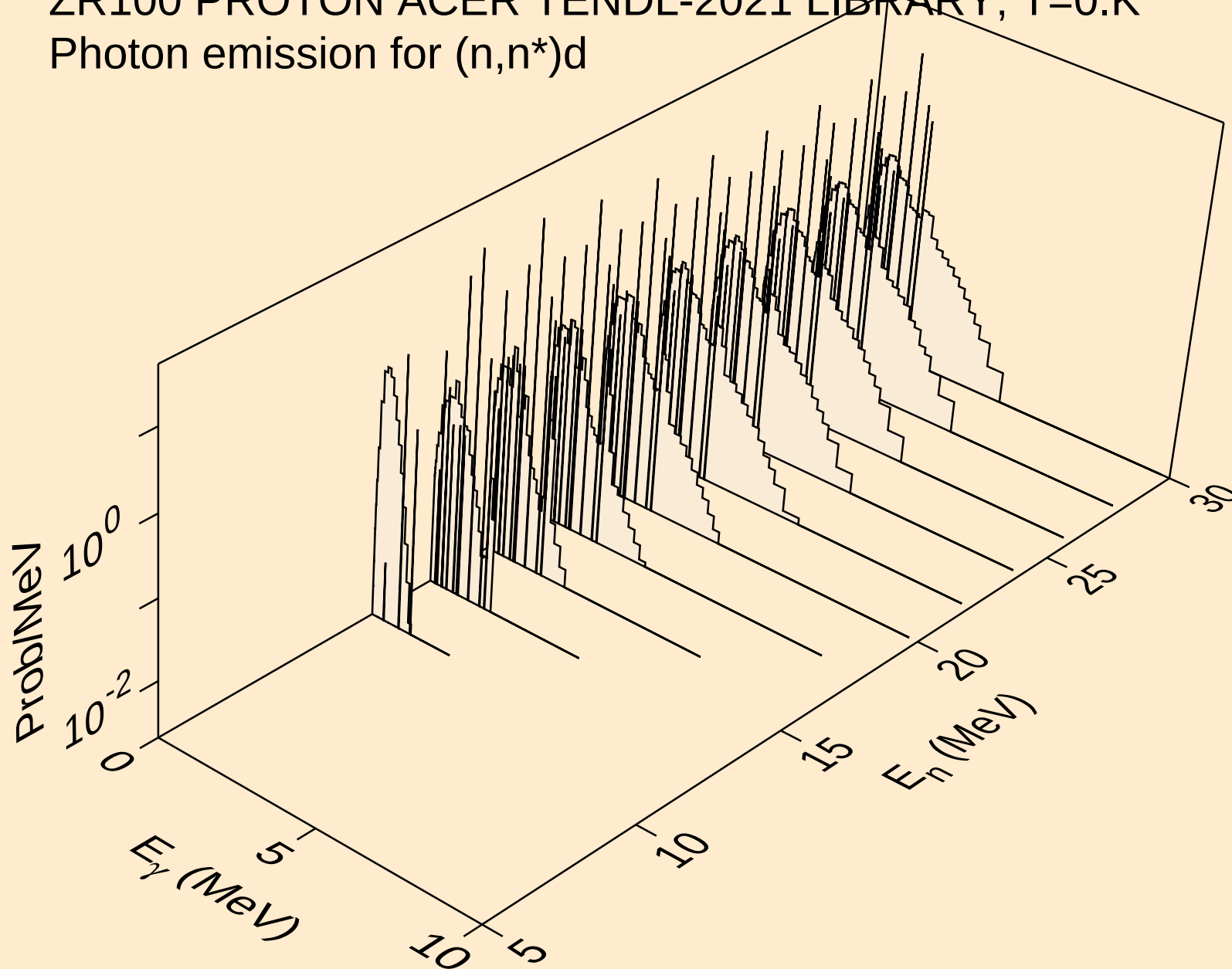


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)^{2a}$



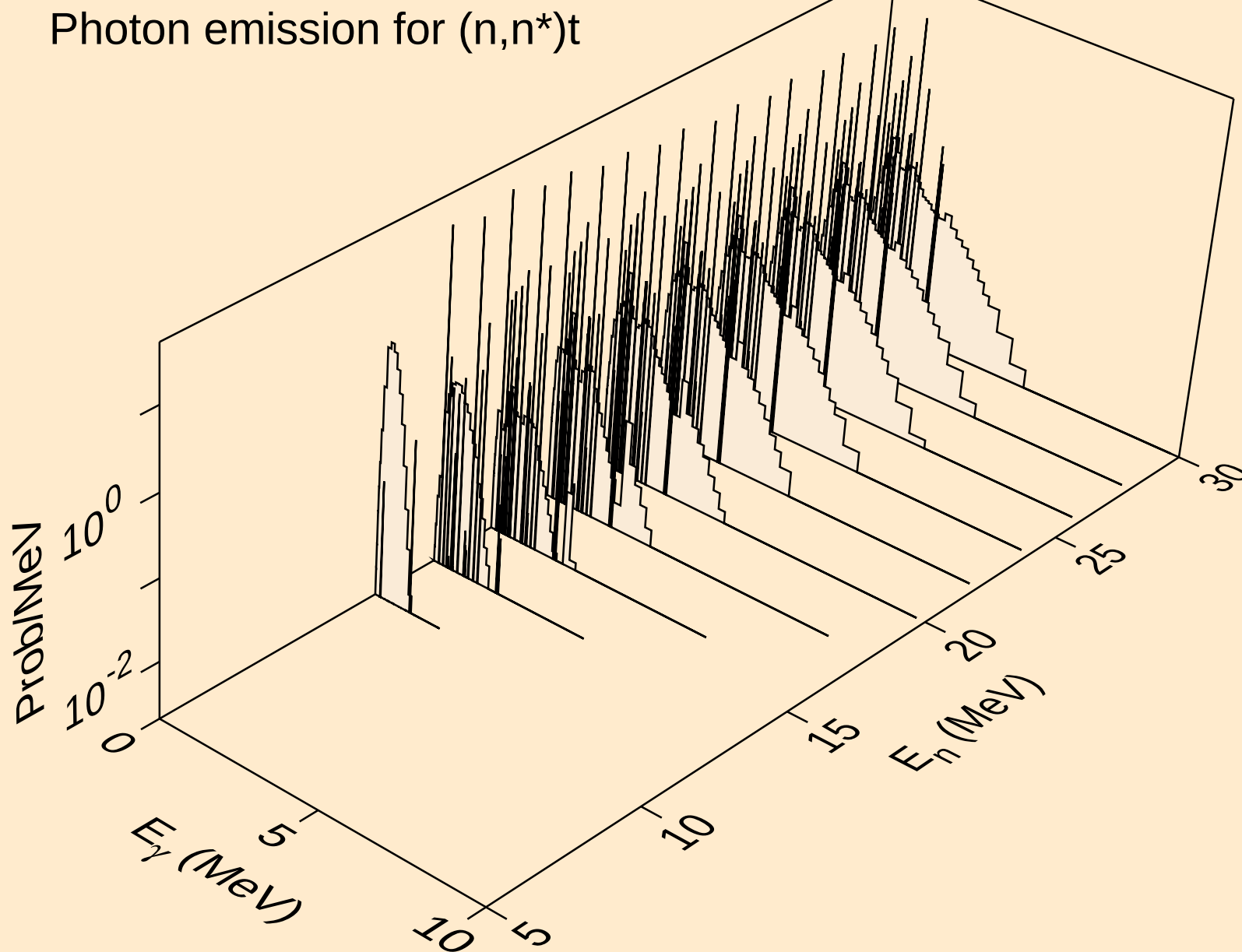
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$

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



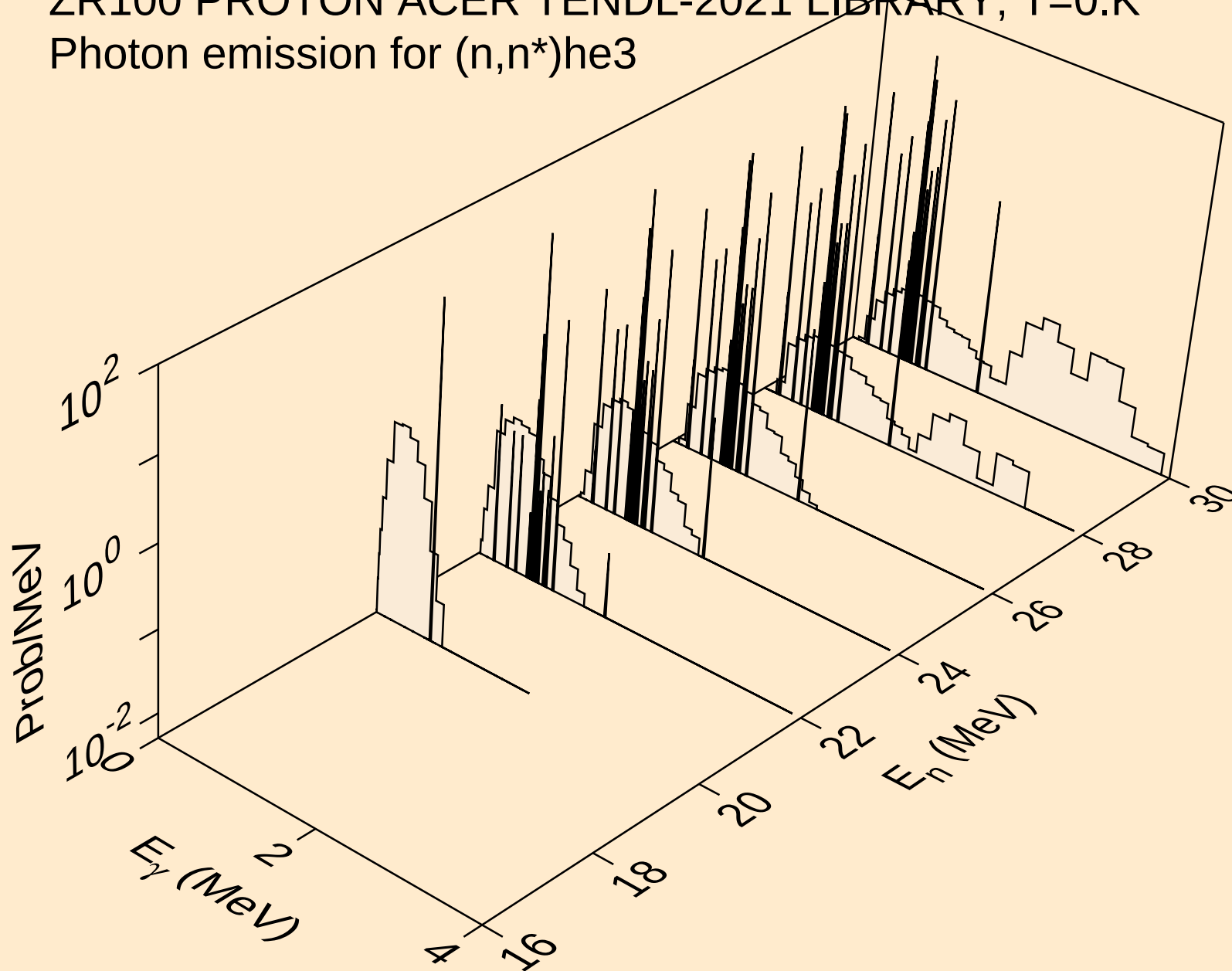
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$

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

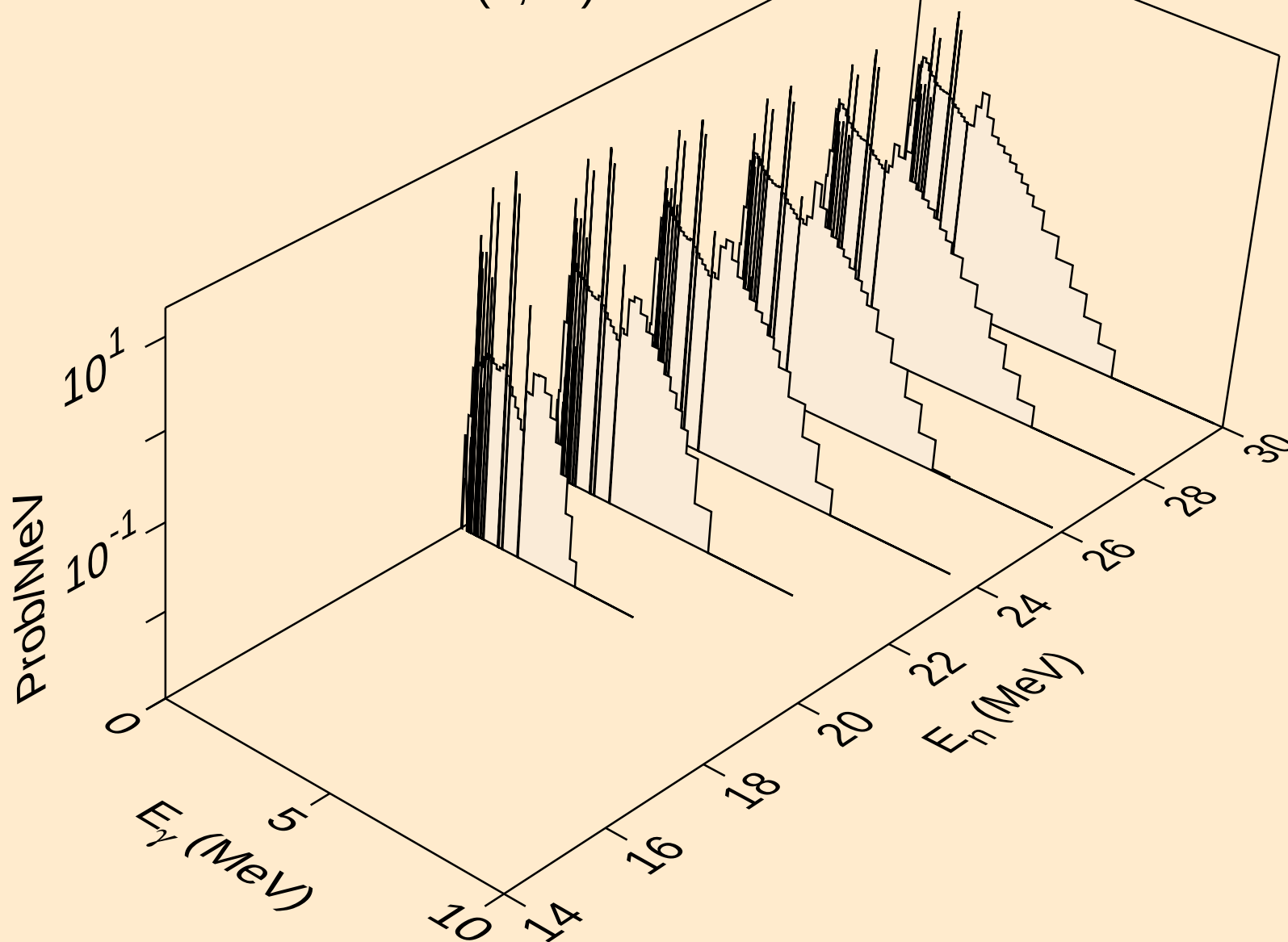


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

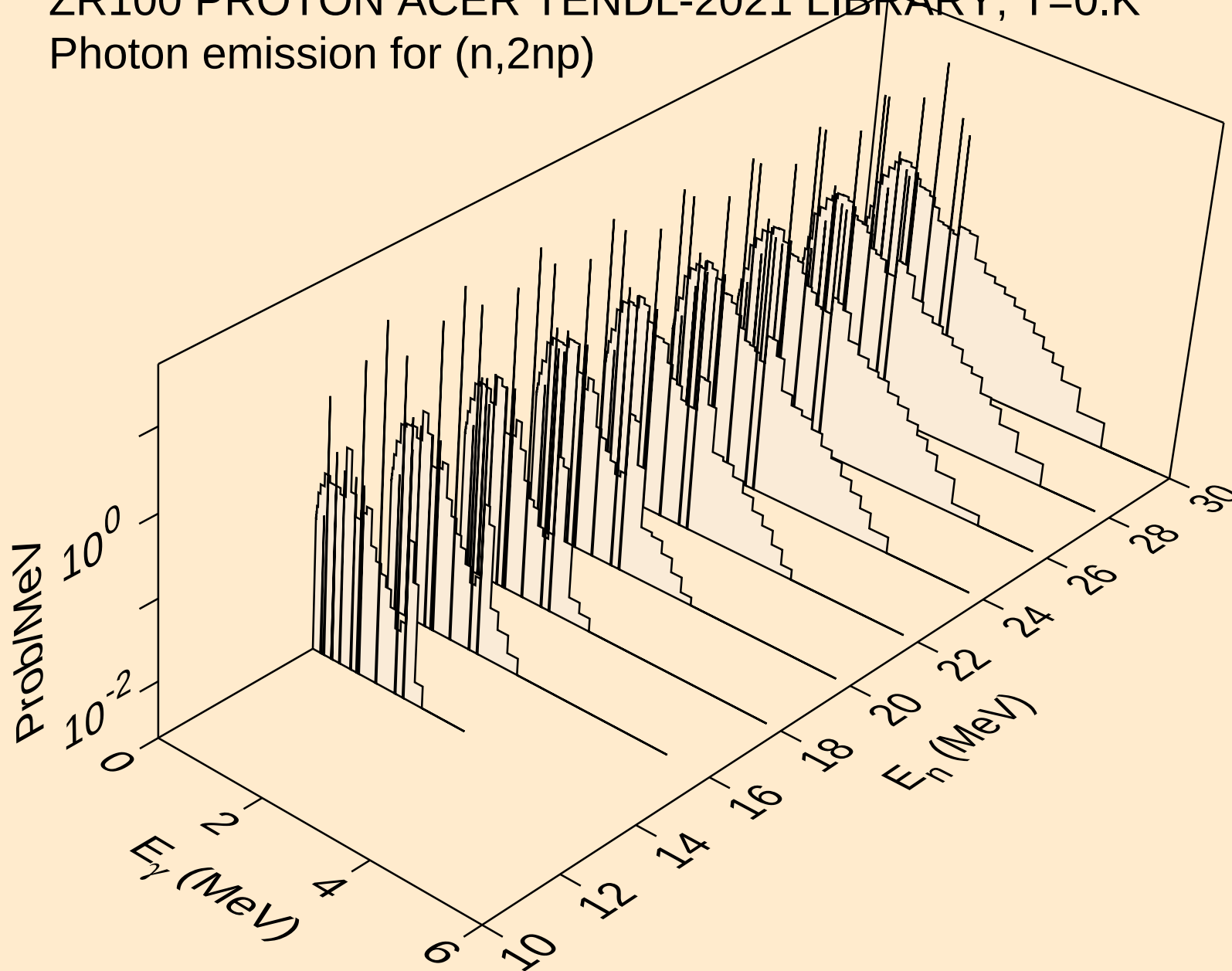
Photon emission for (n,n*)he3



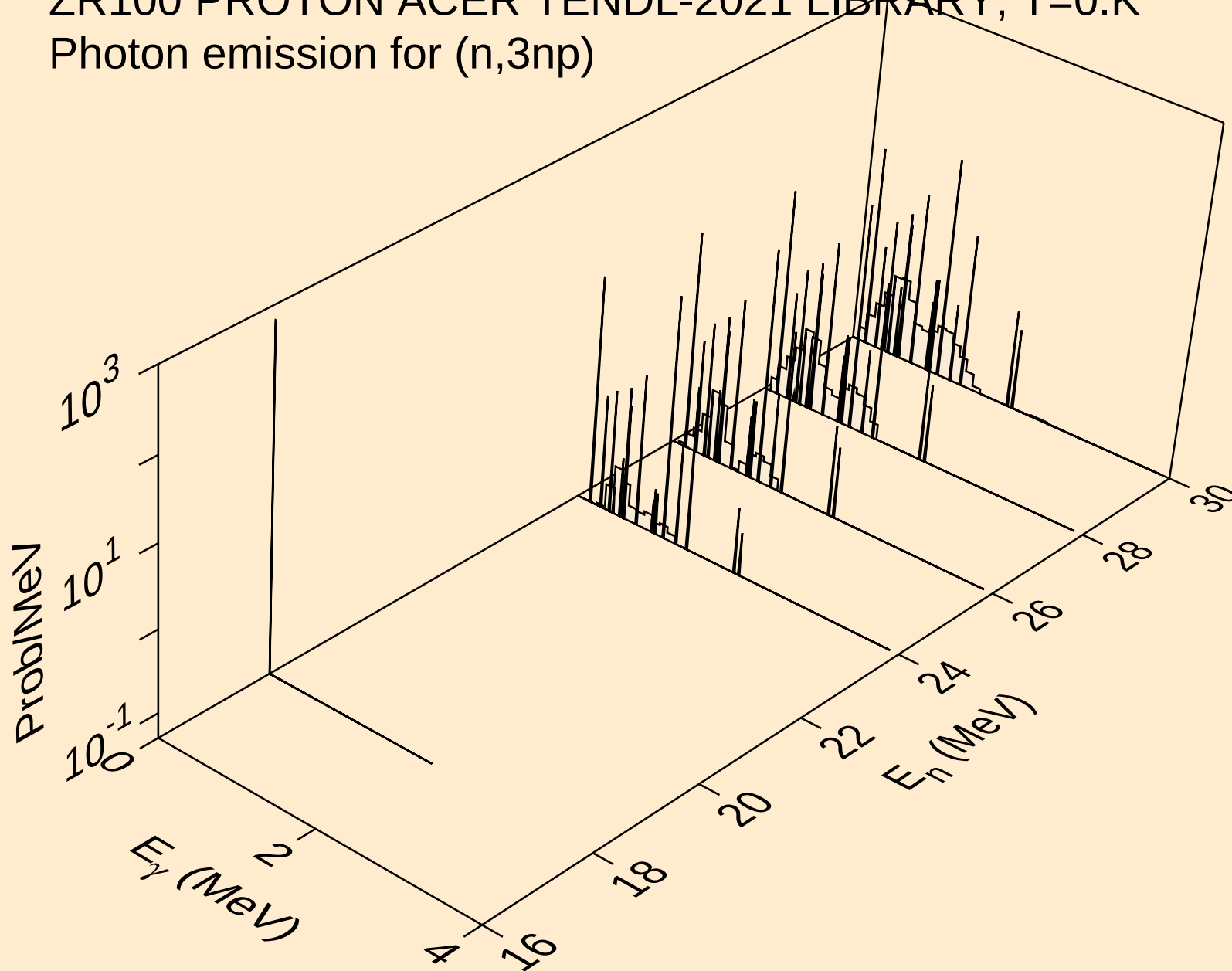
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,4n)



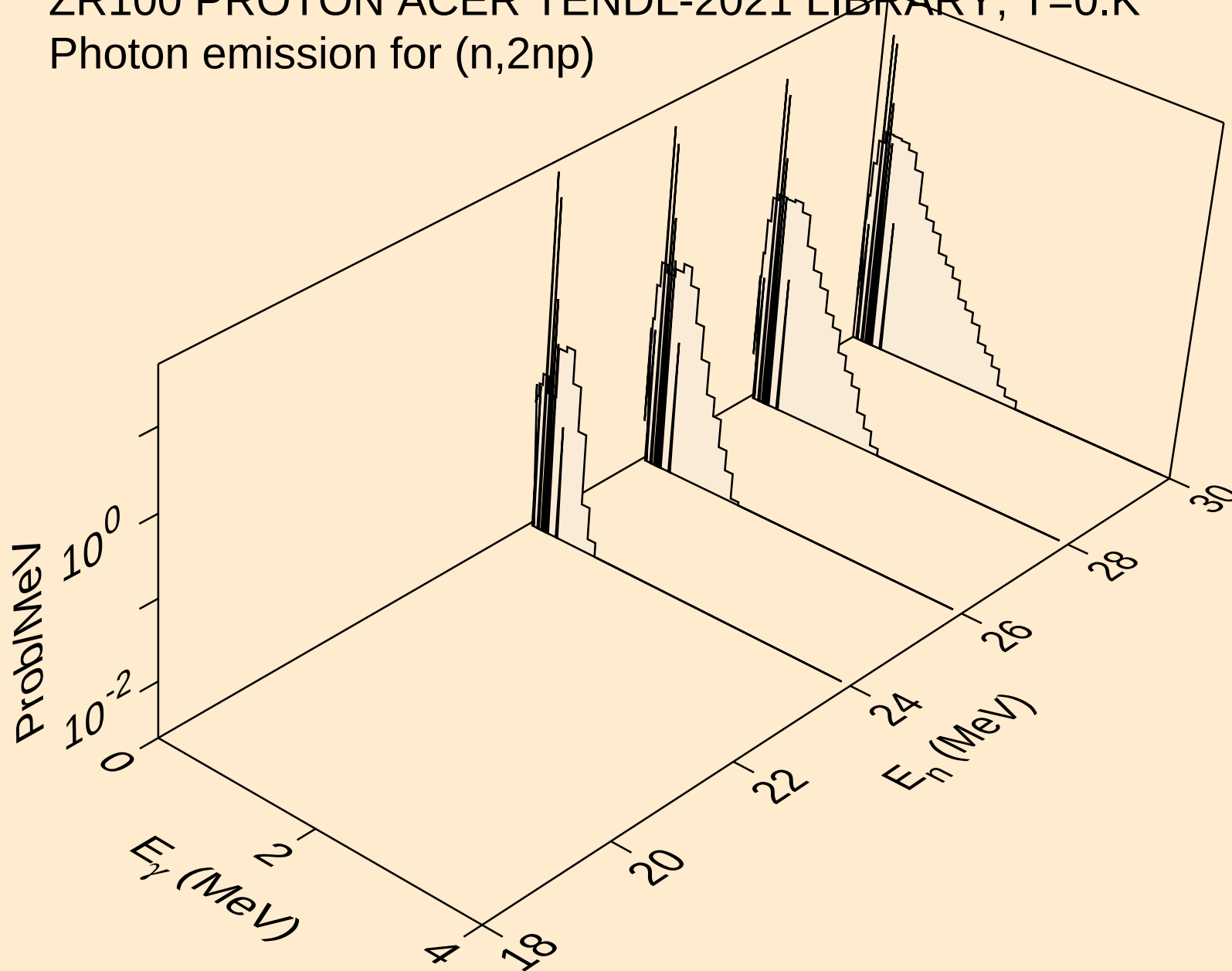
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2np)



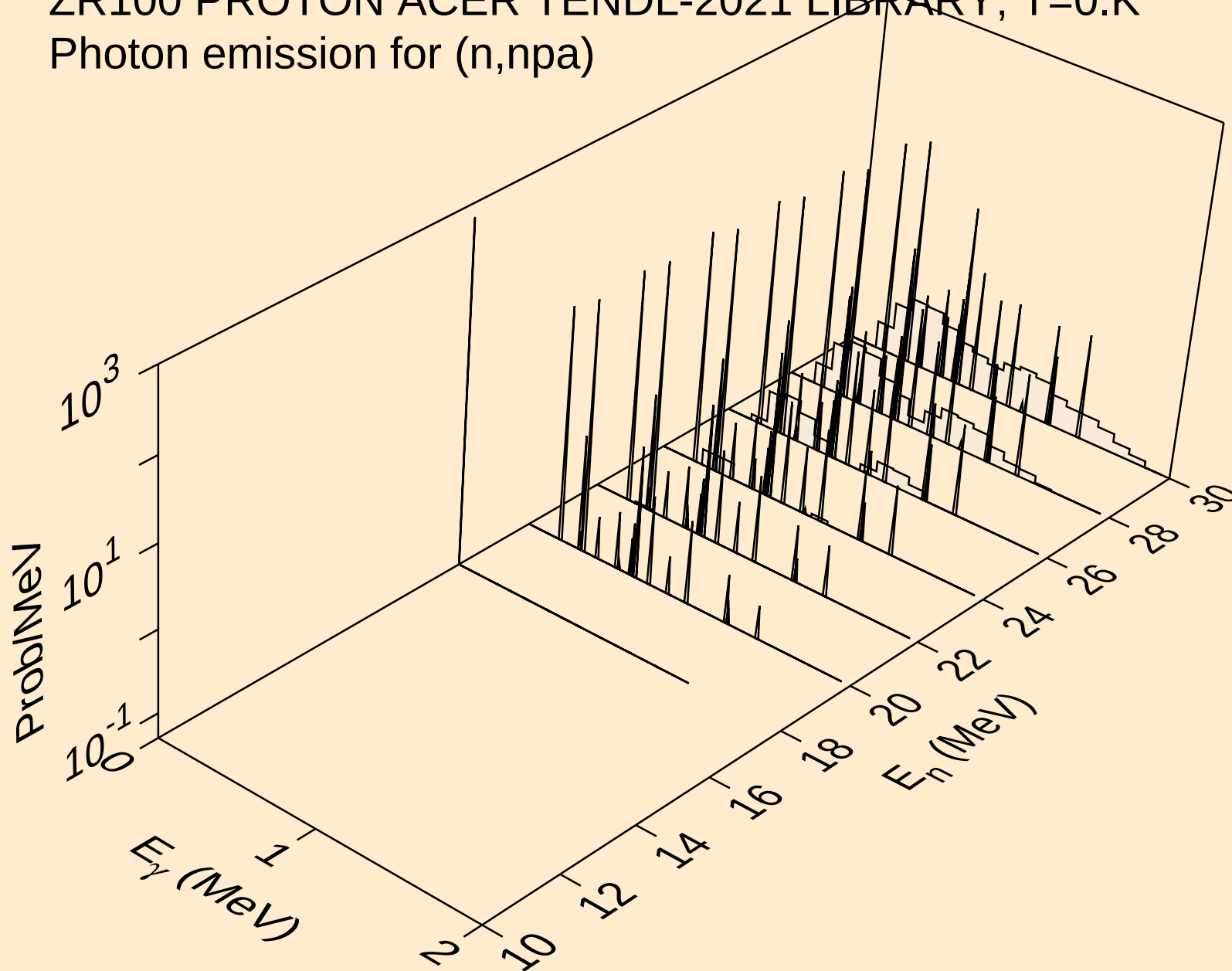
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,3np)



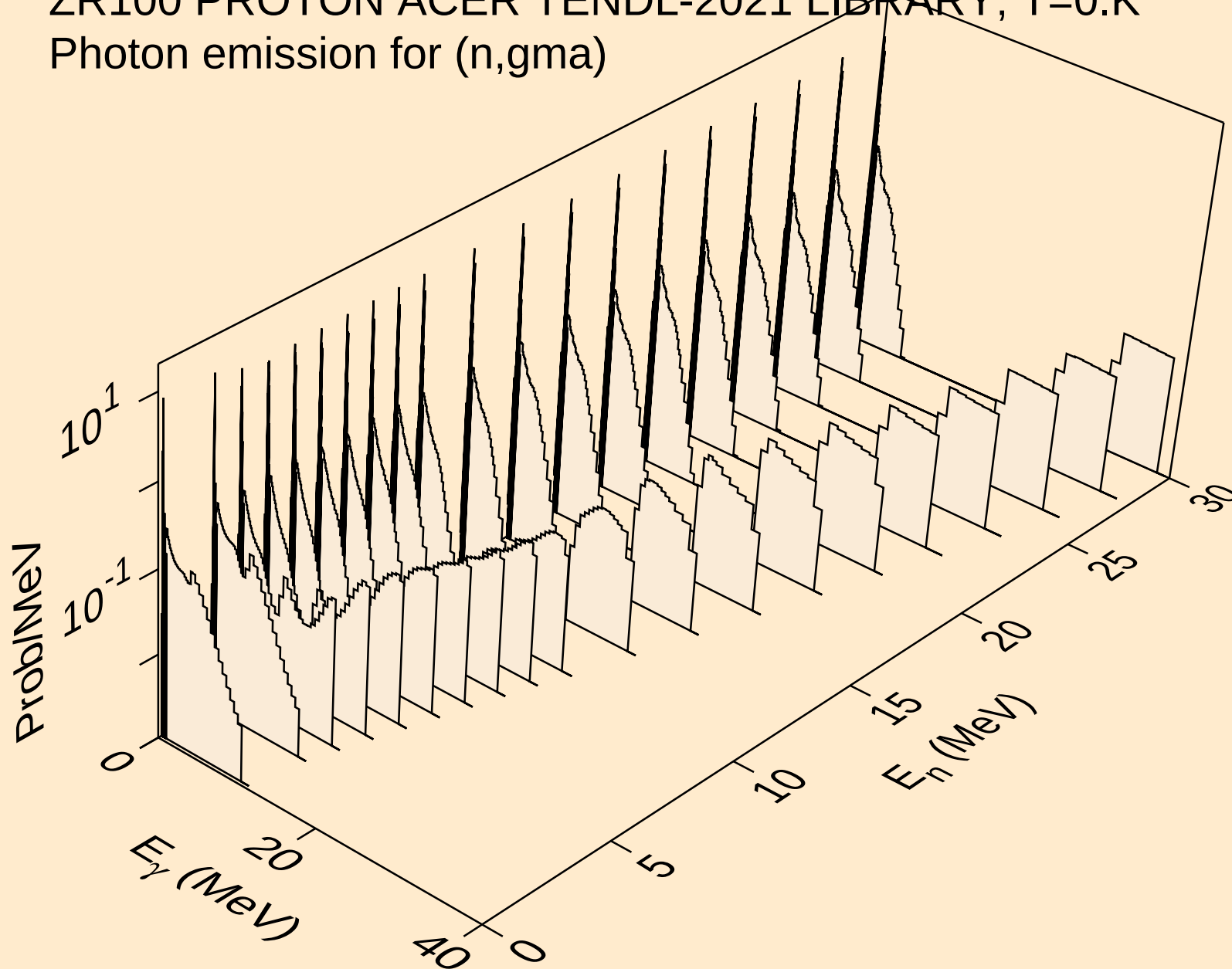
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Photon emission for (n,2np)



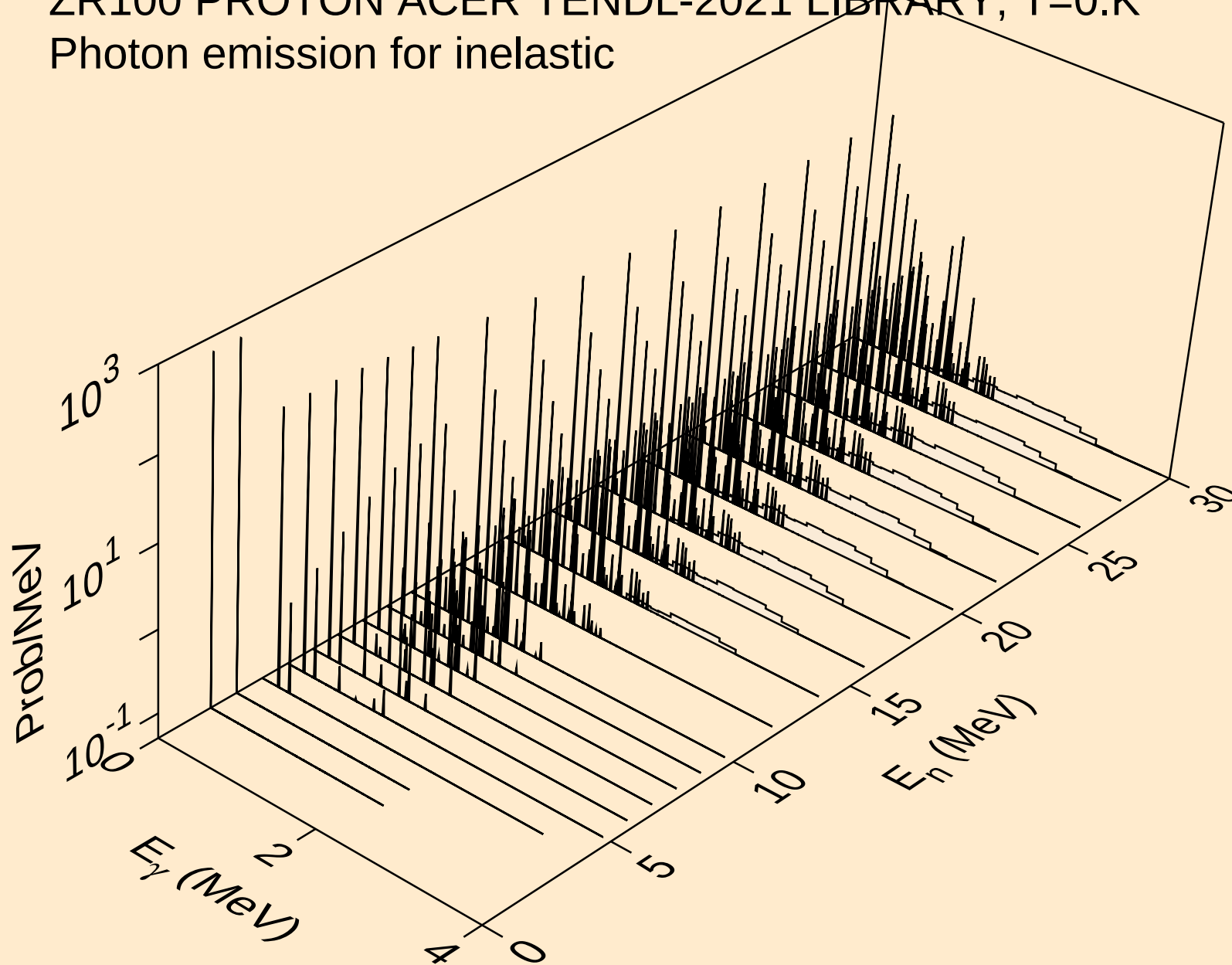
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,npa)



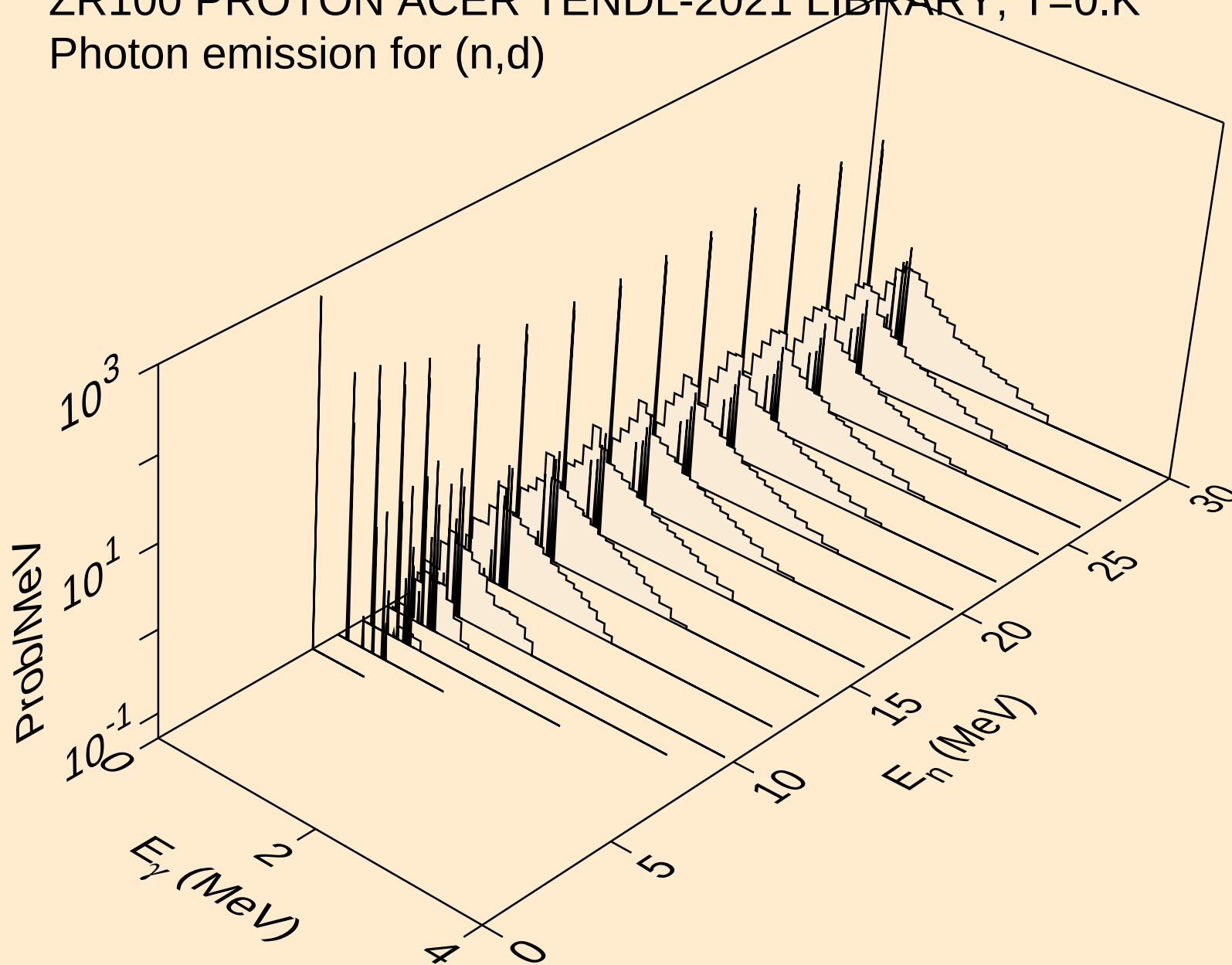
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,gma)



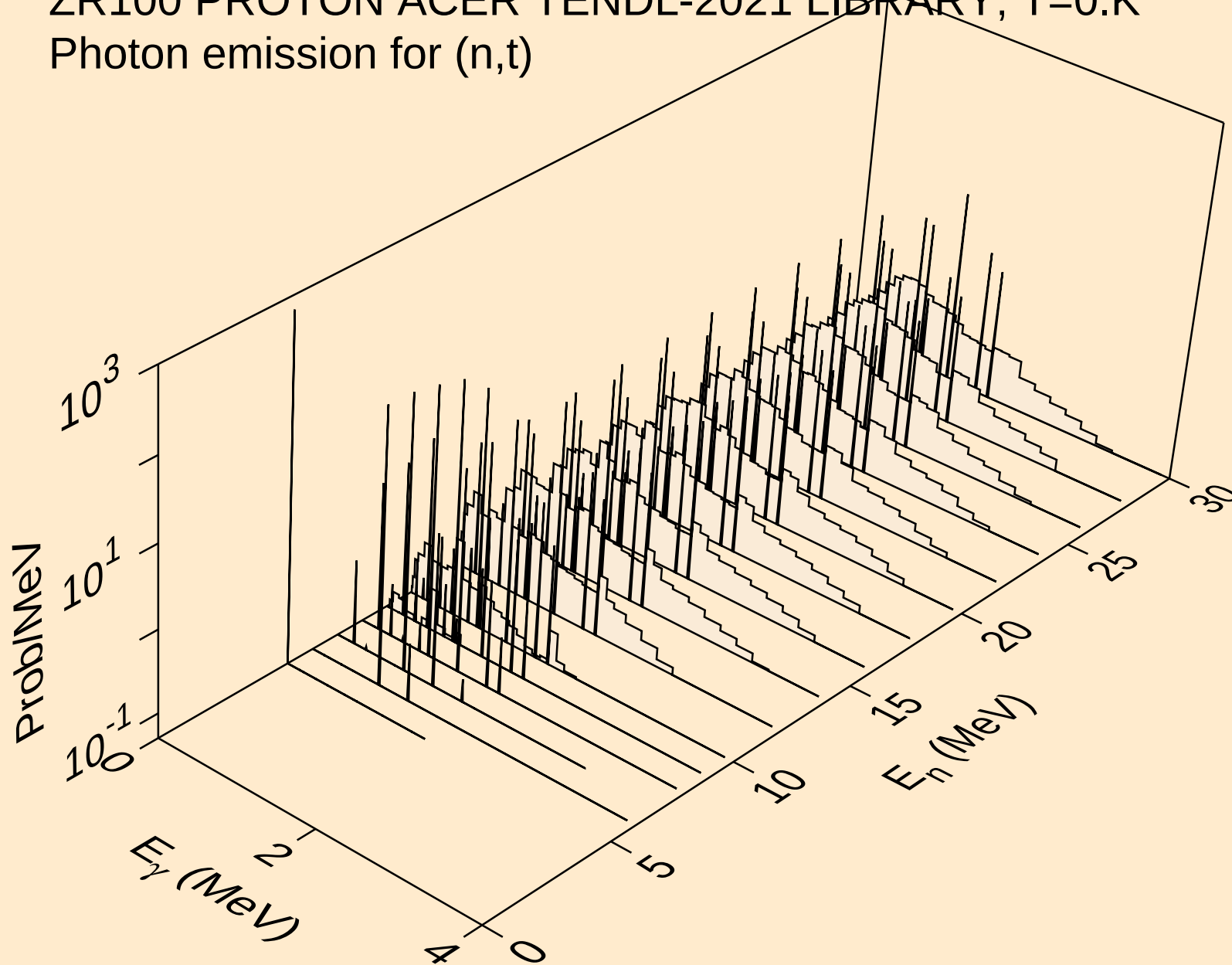
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for inelastic



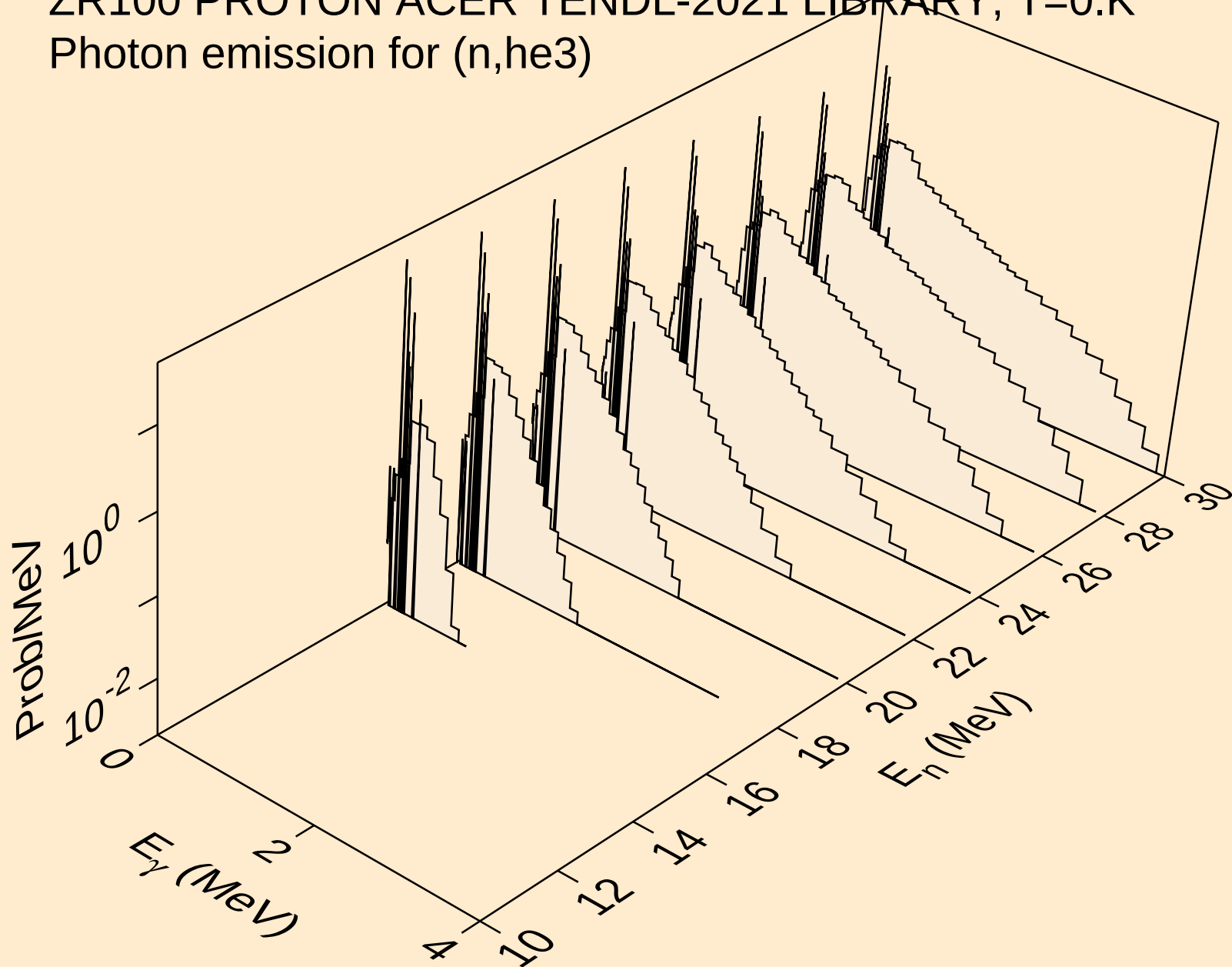
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,d)



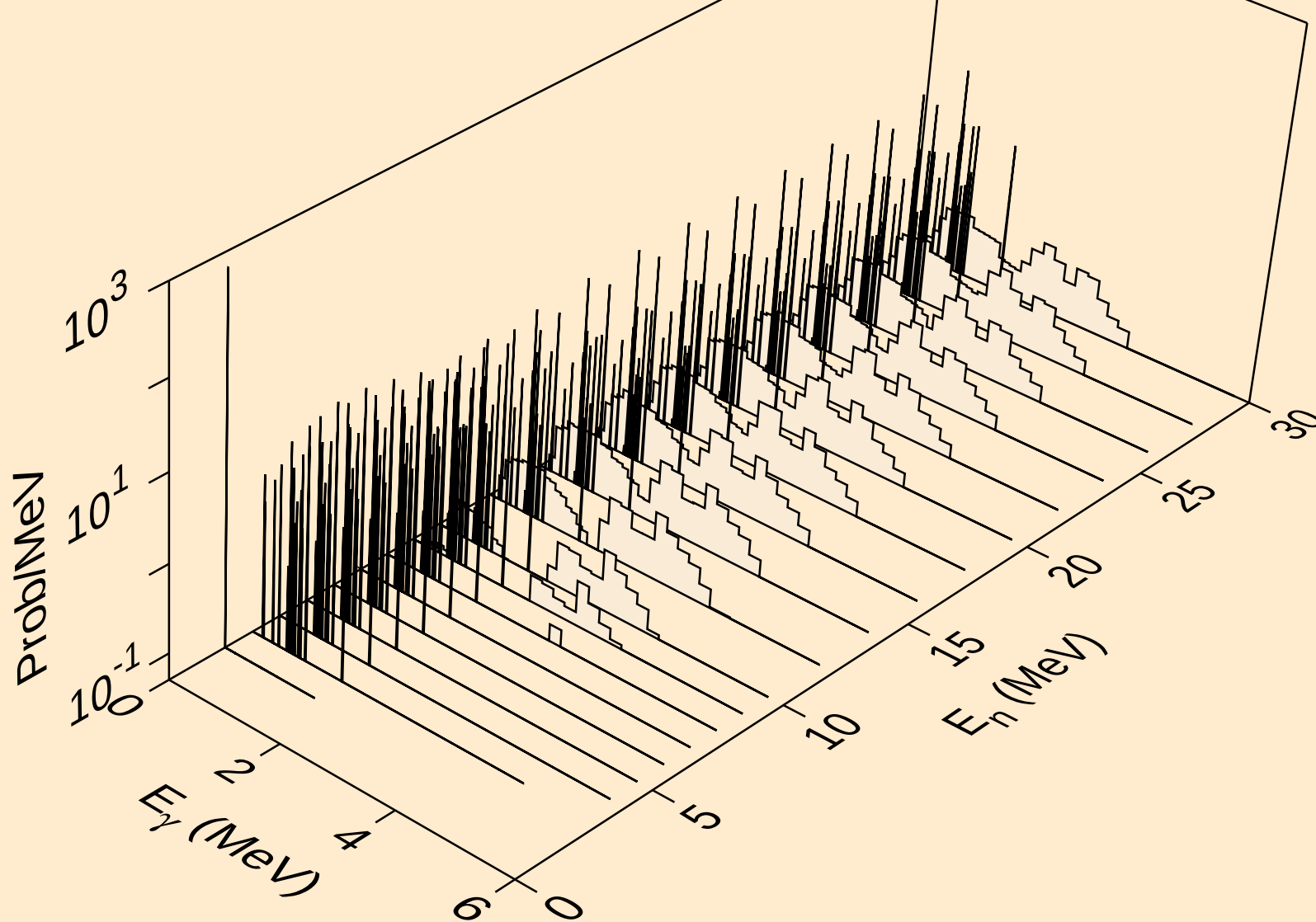
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,t)



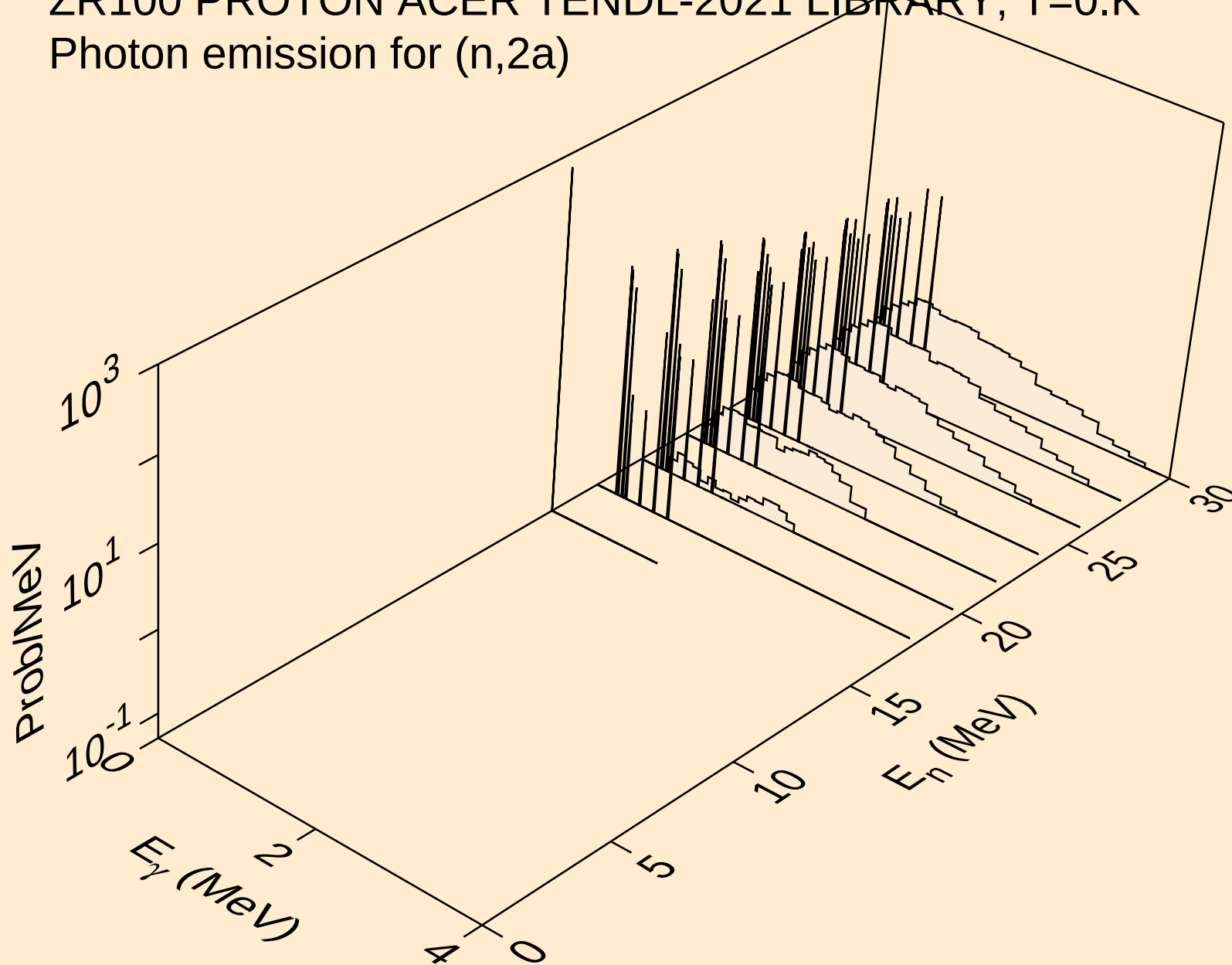
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Photon emission for (n,he3)



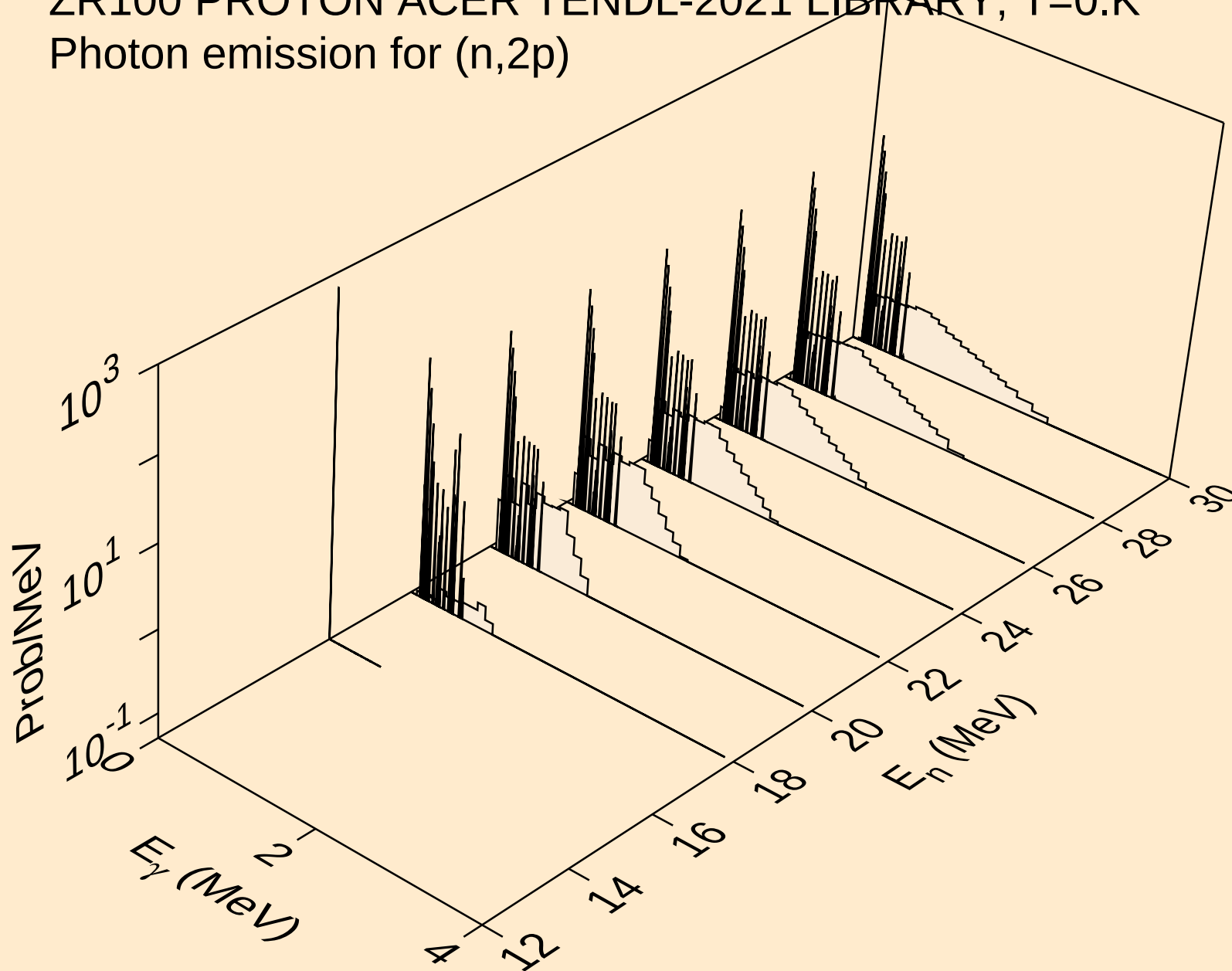
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,a)



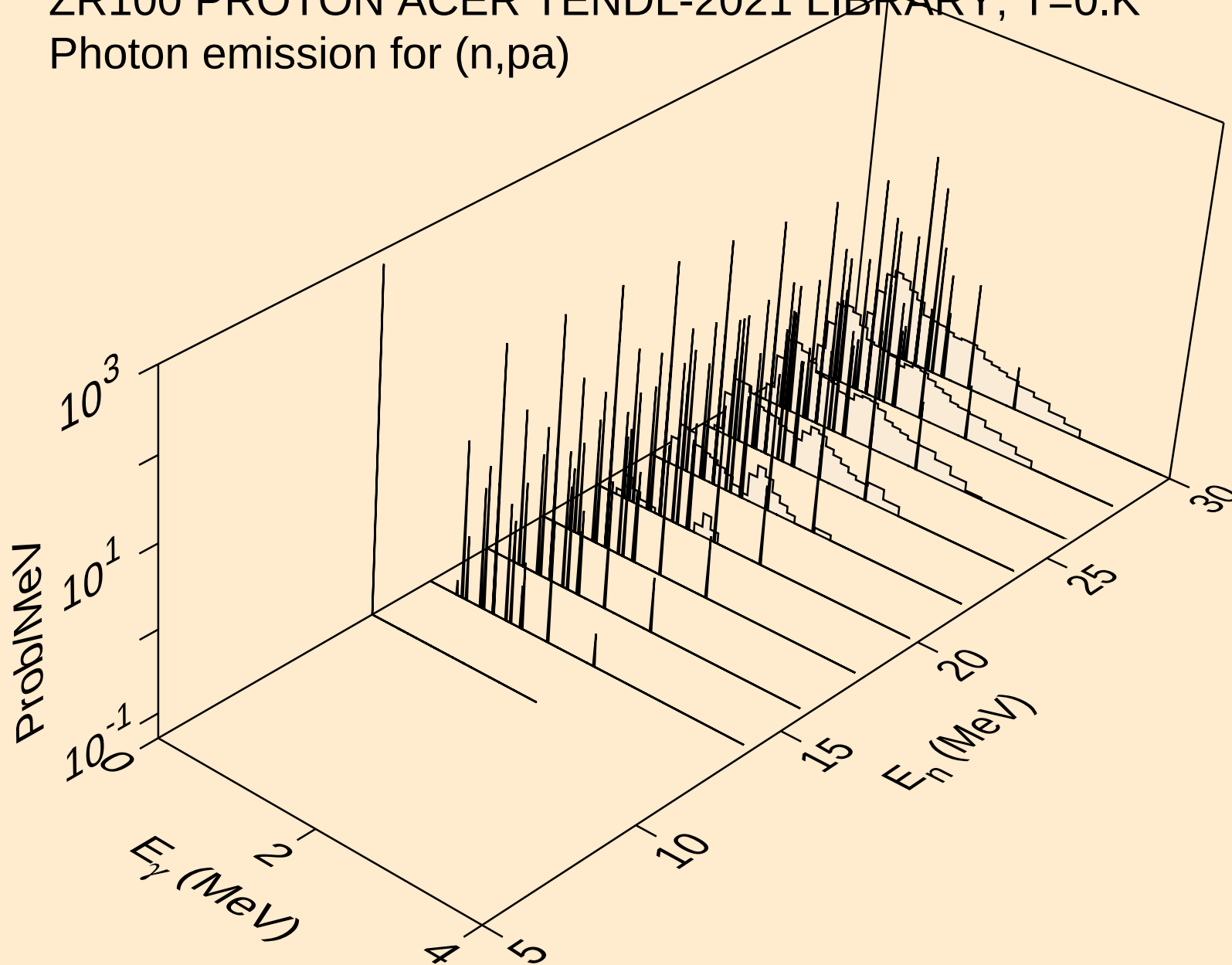
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2a)



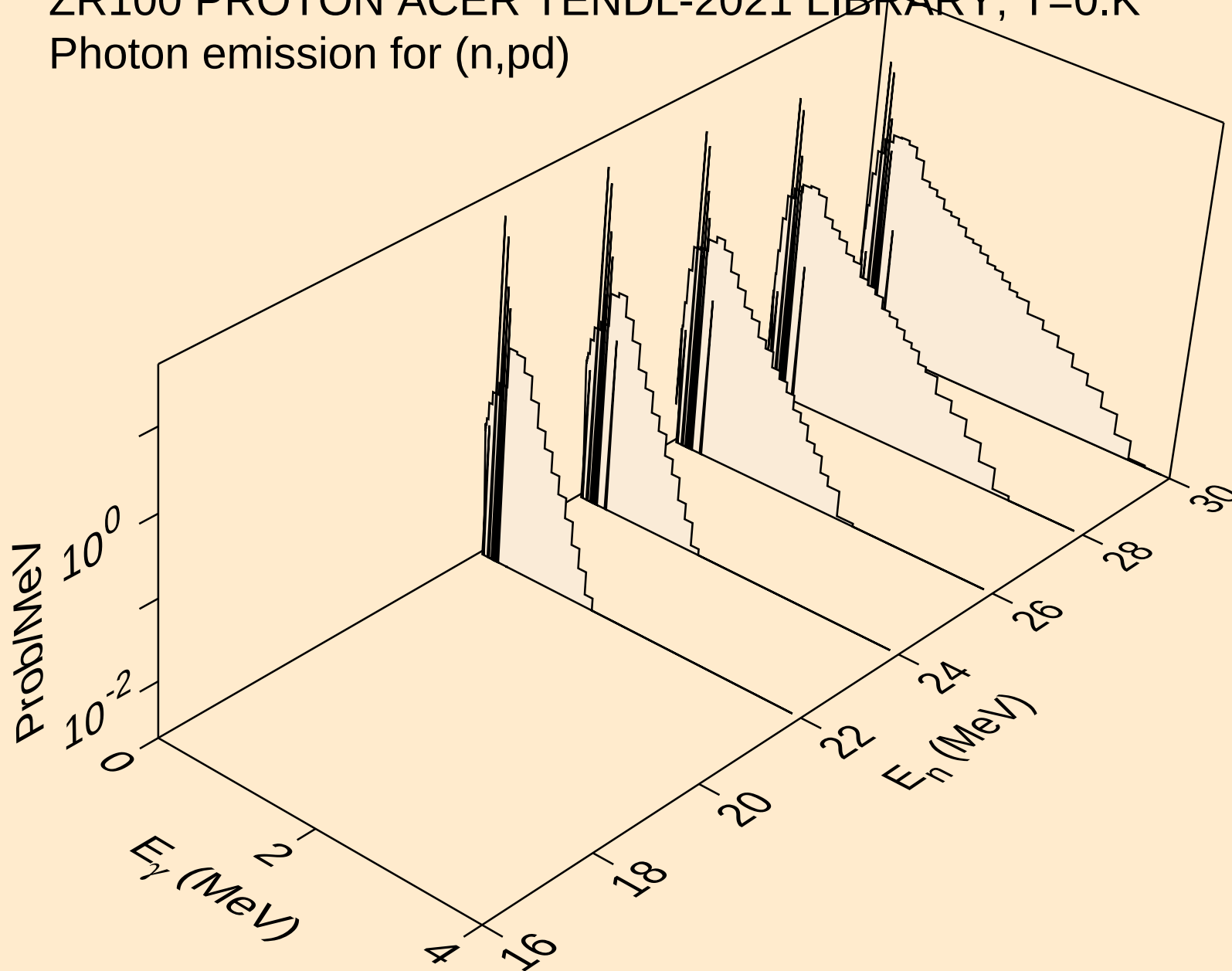
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2p)



ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,pa)

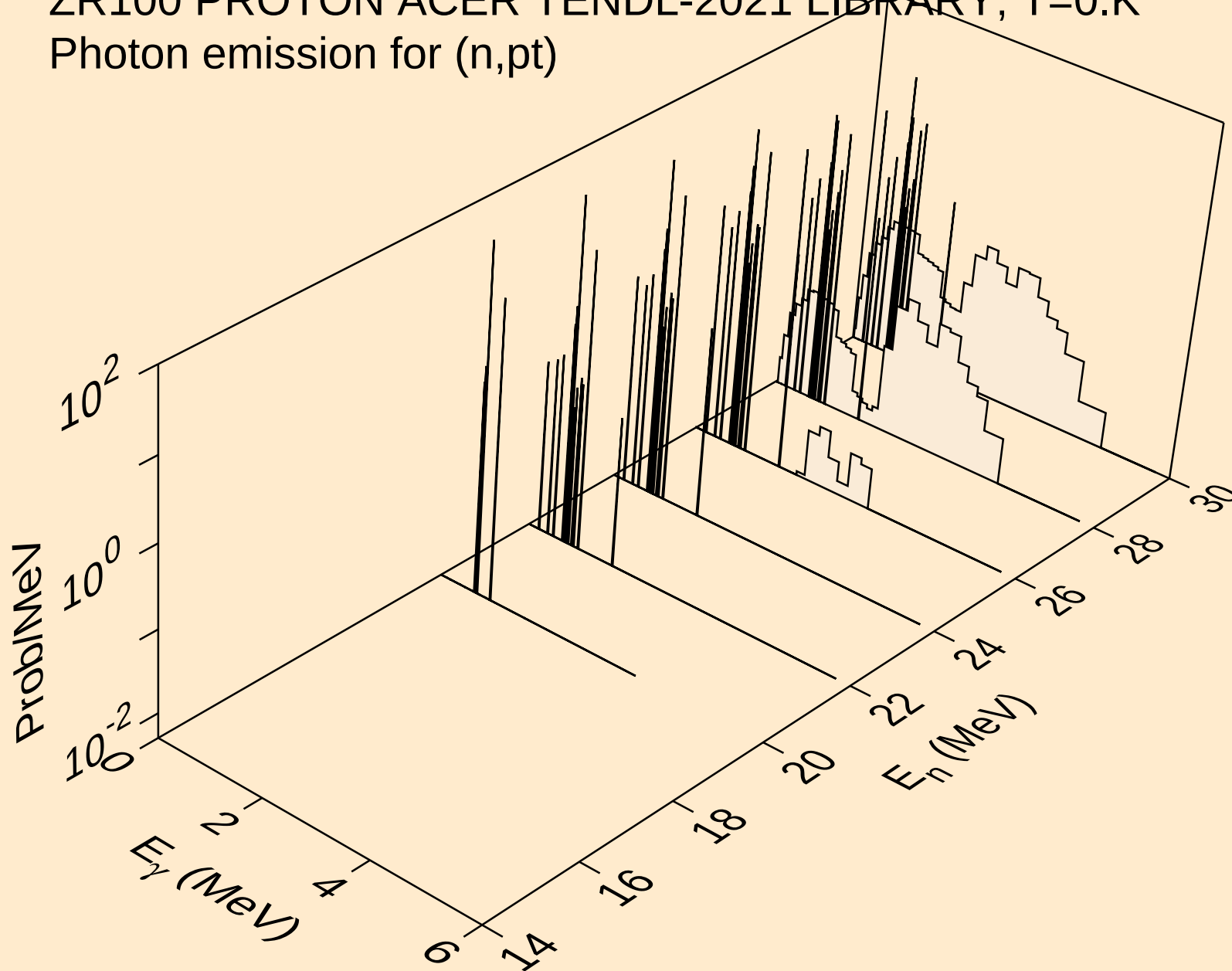


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,pd)

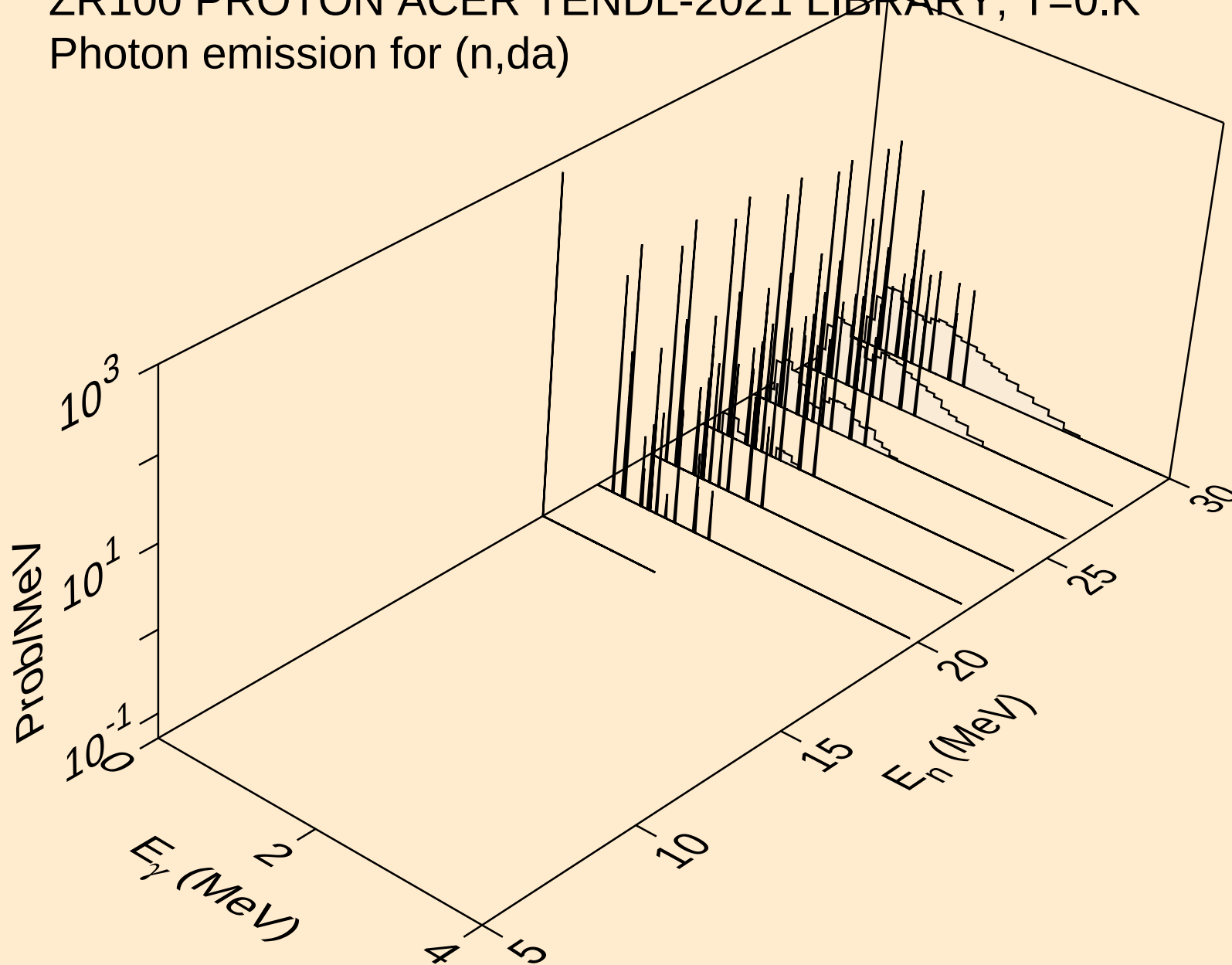


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,pt)

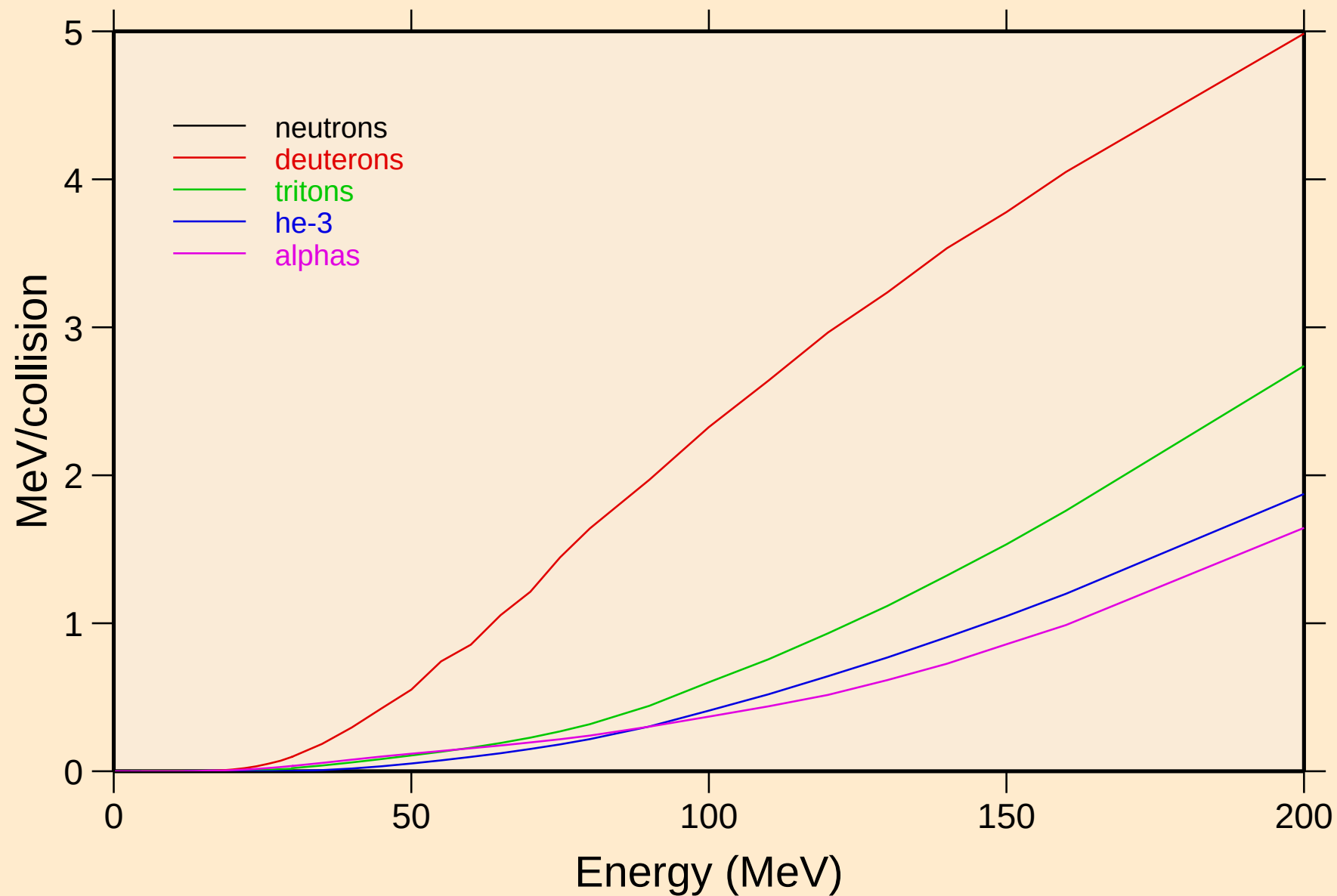


ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,da)



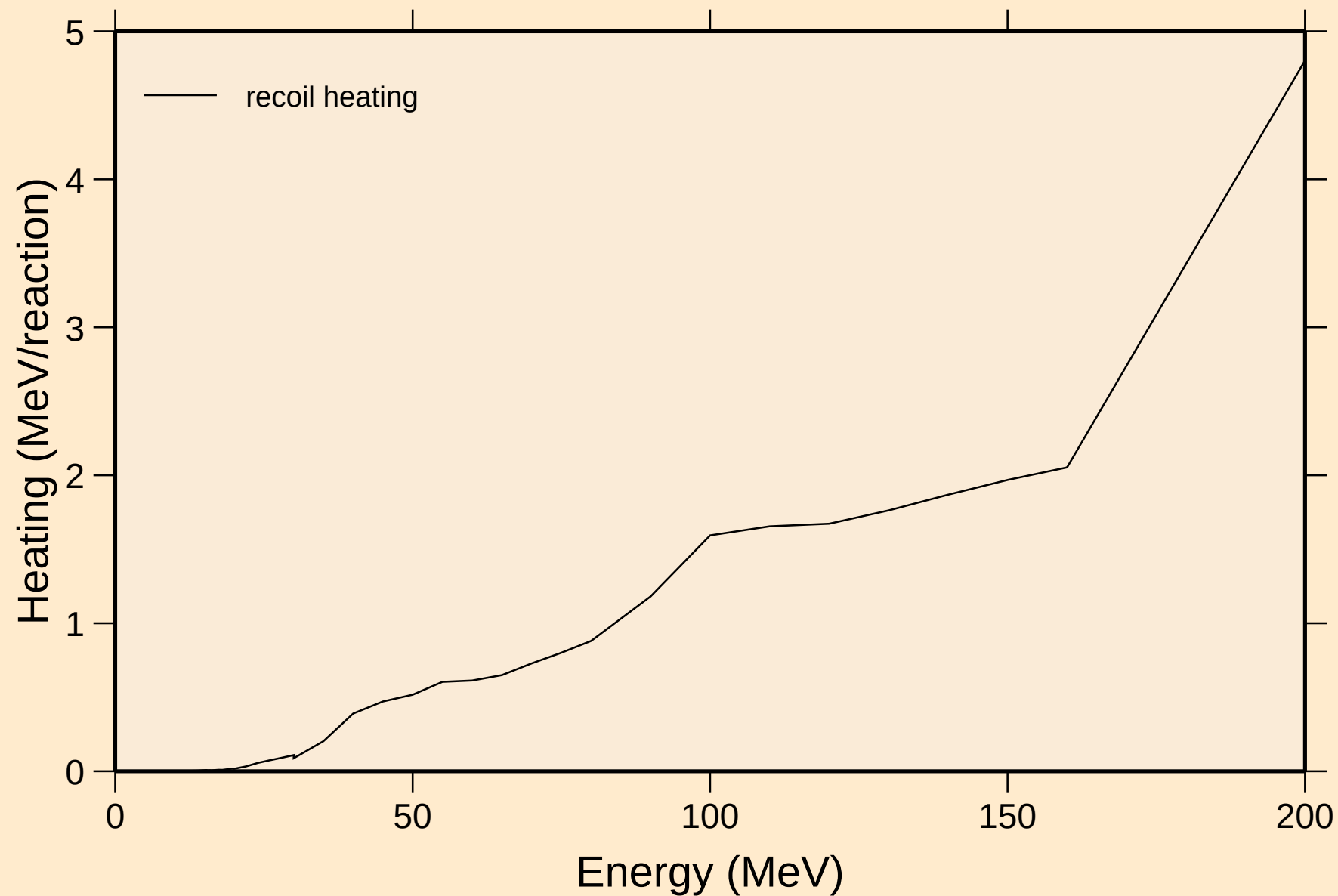
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Particle heating contributions



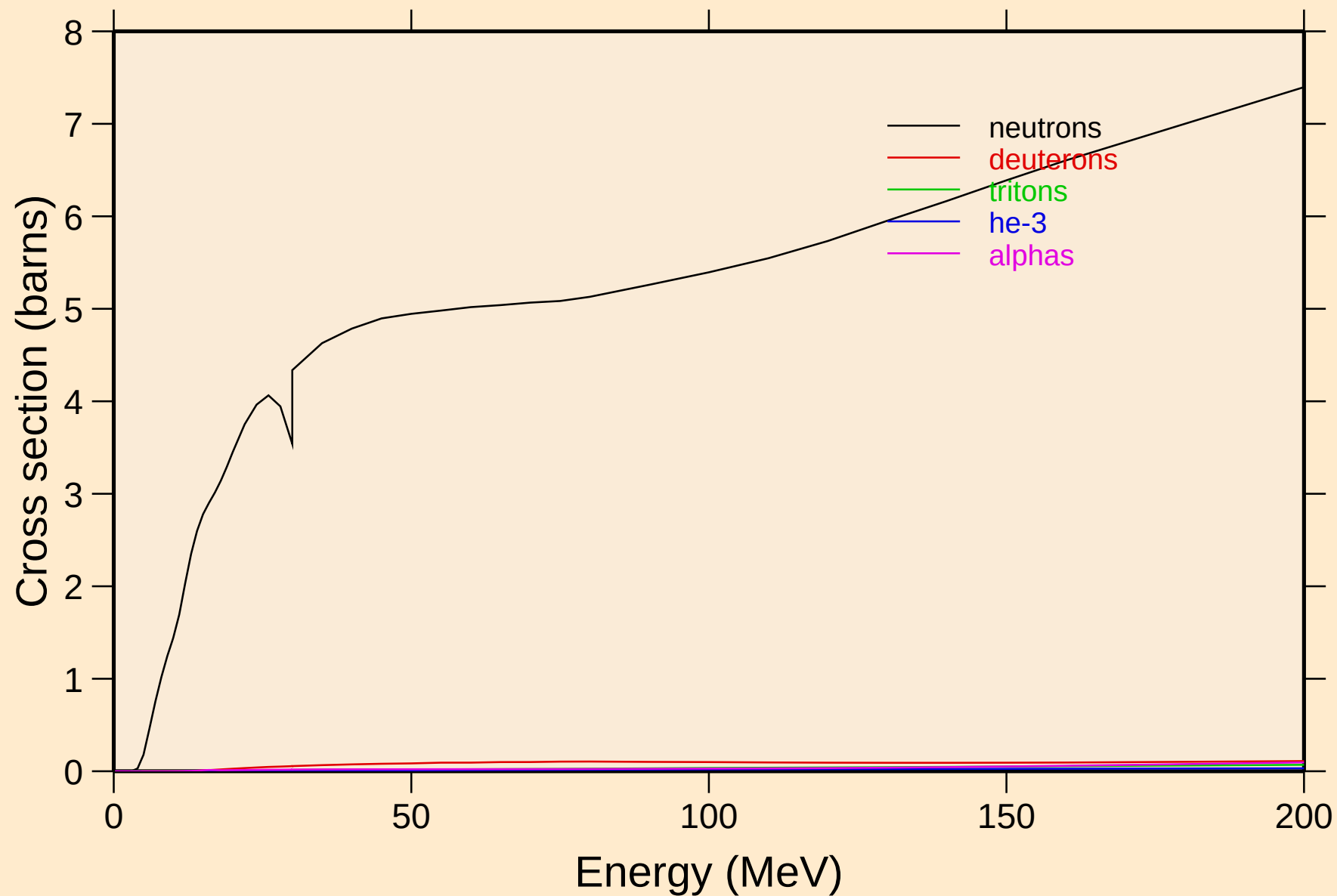
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

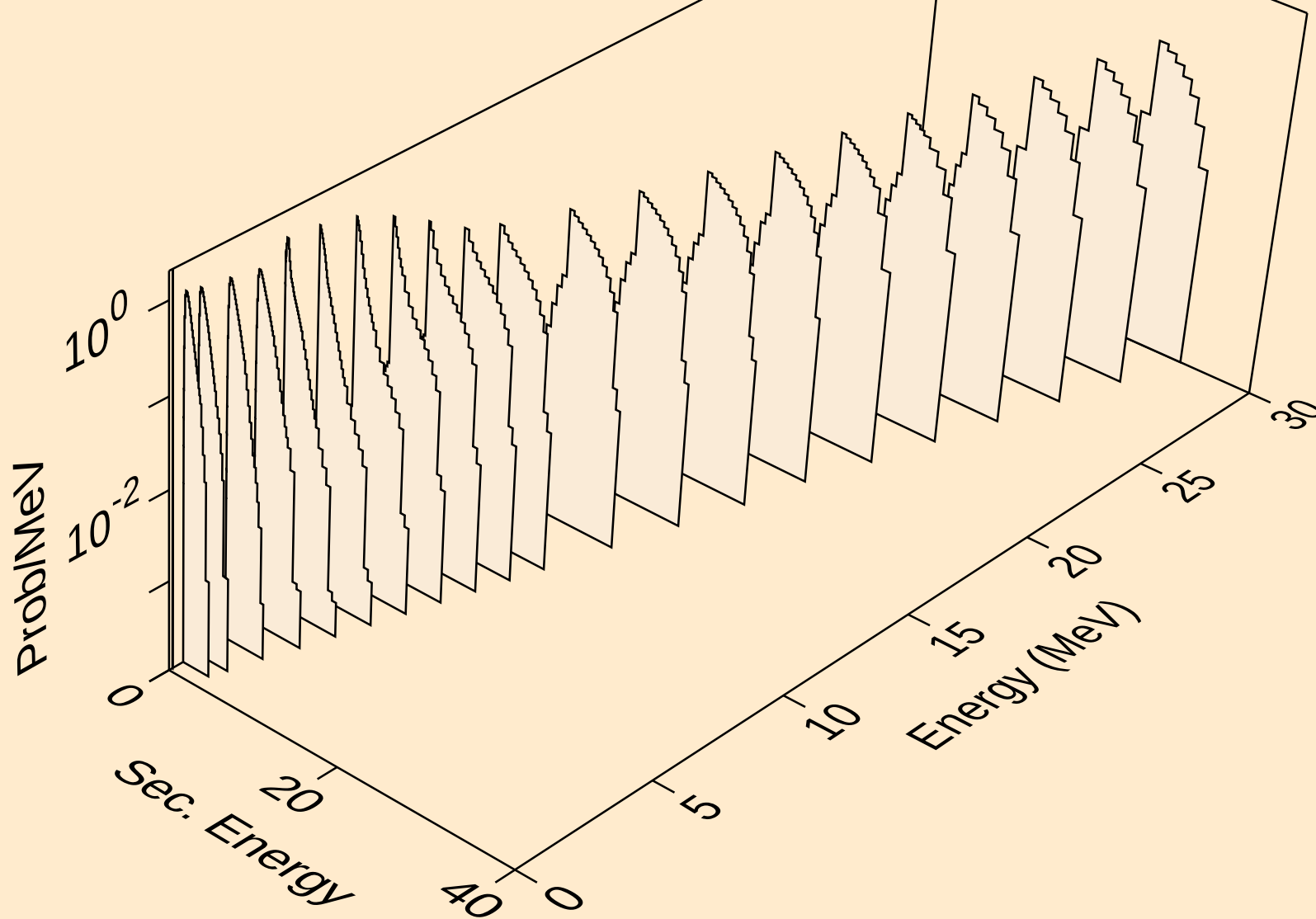


ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K

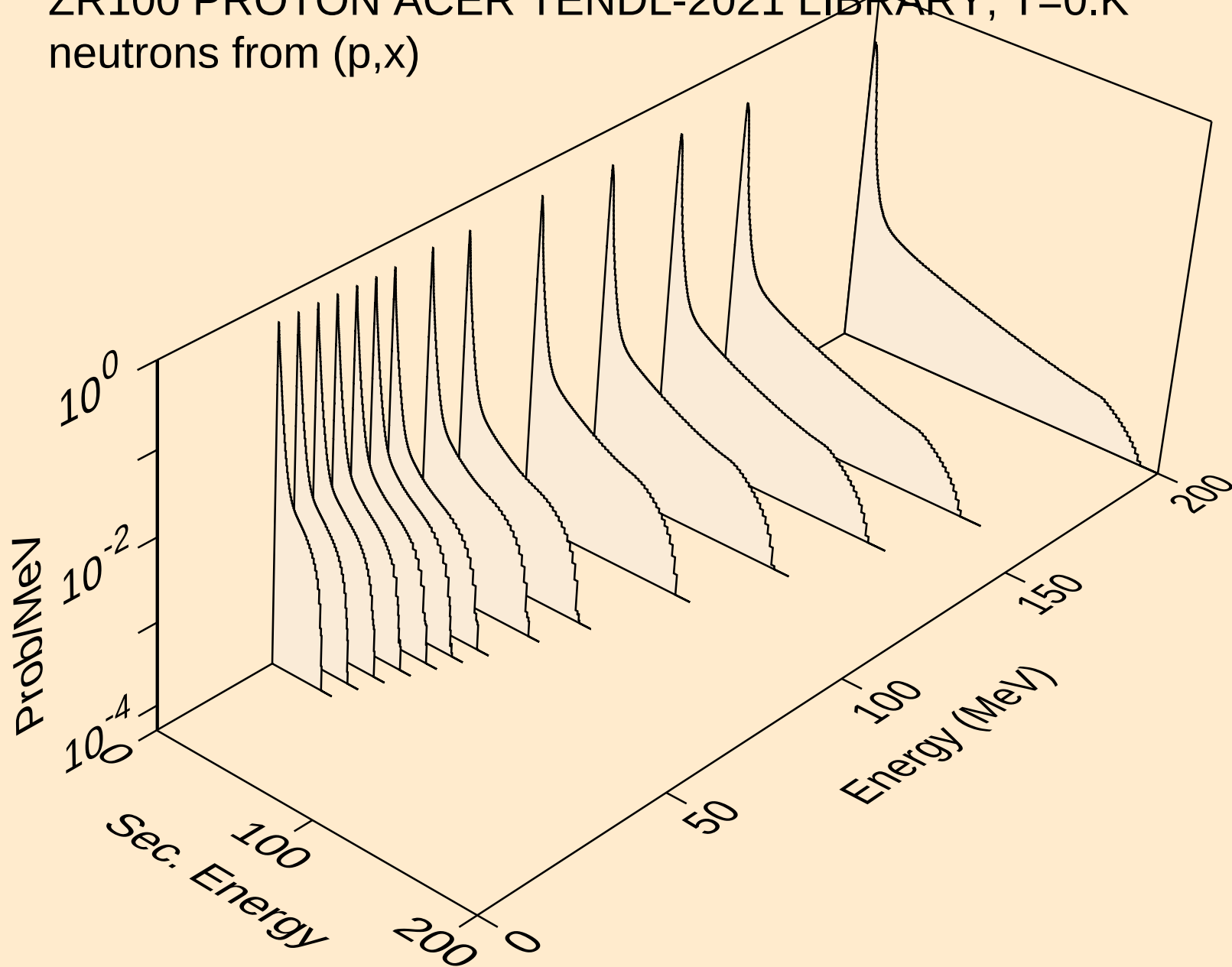
Particle production cross sections



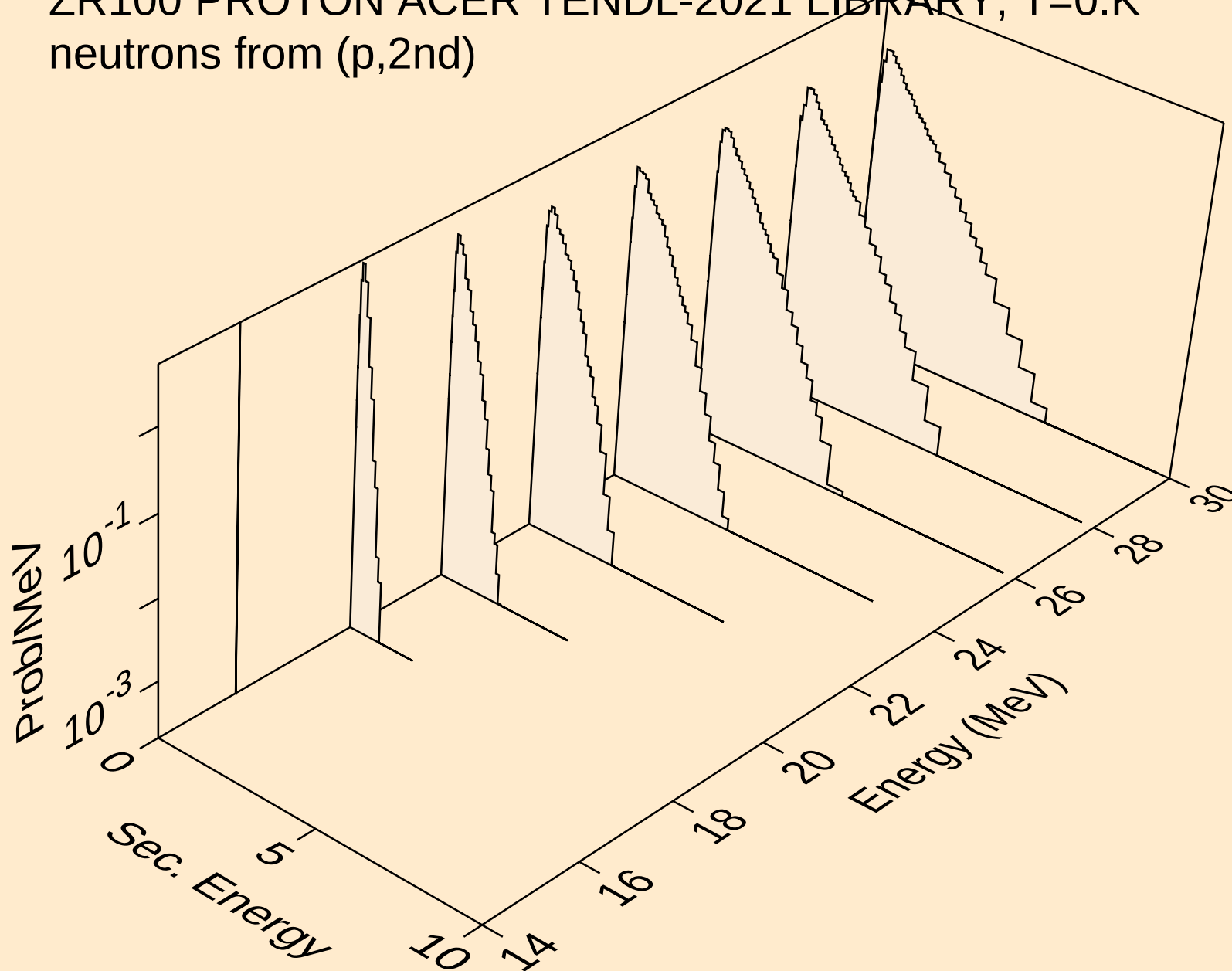
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n)



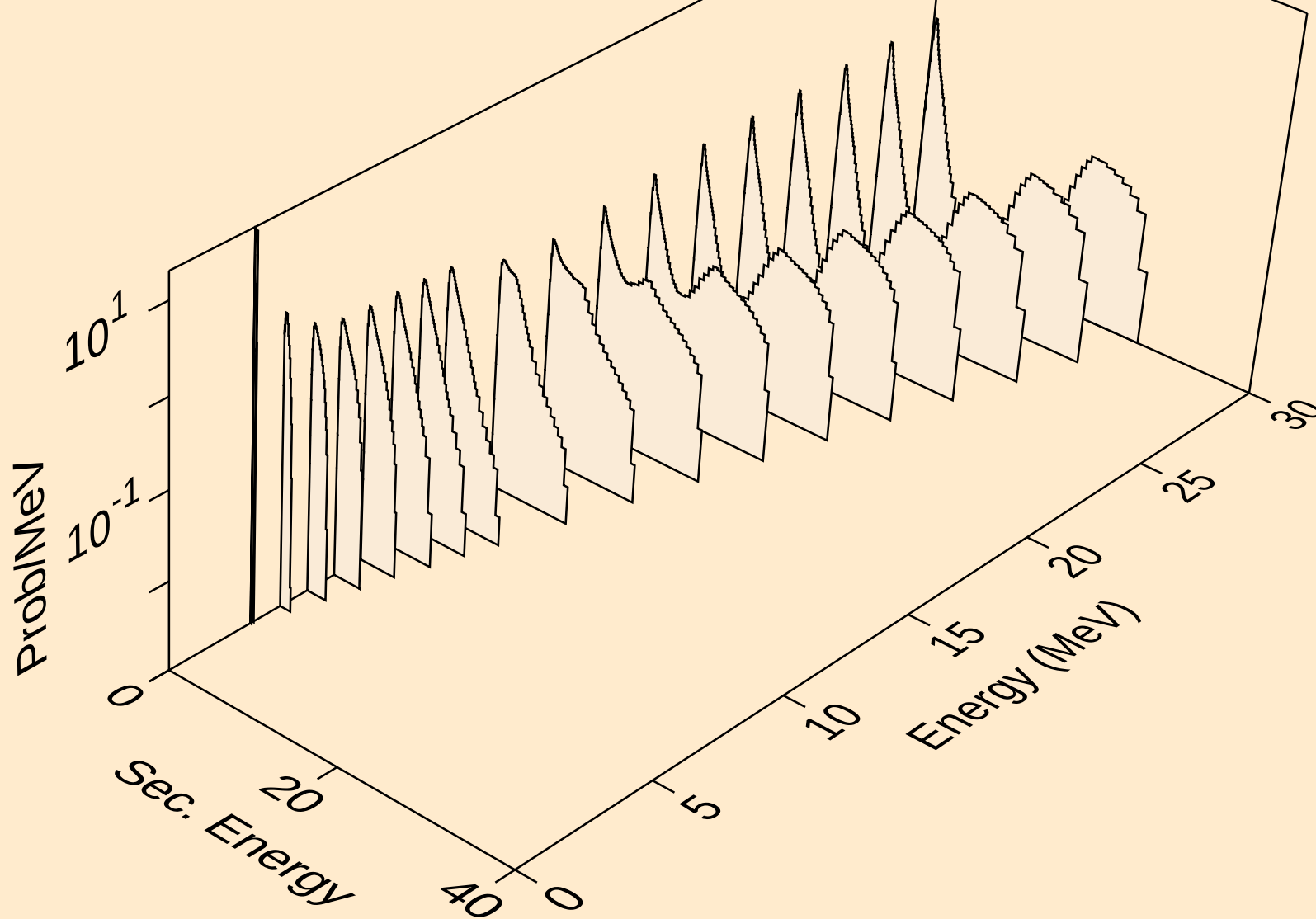
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,x)



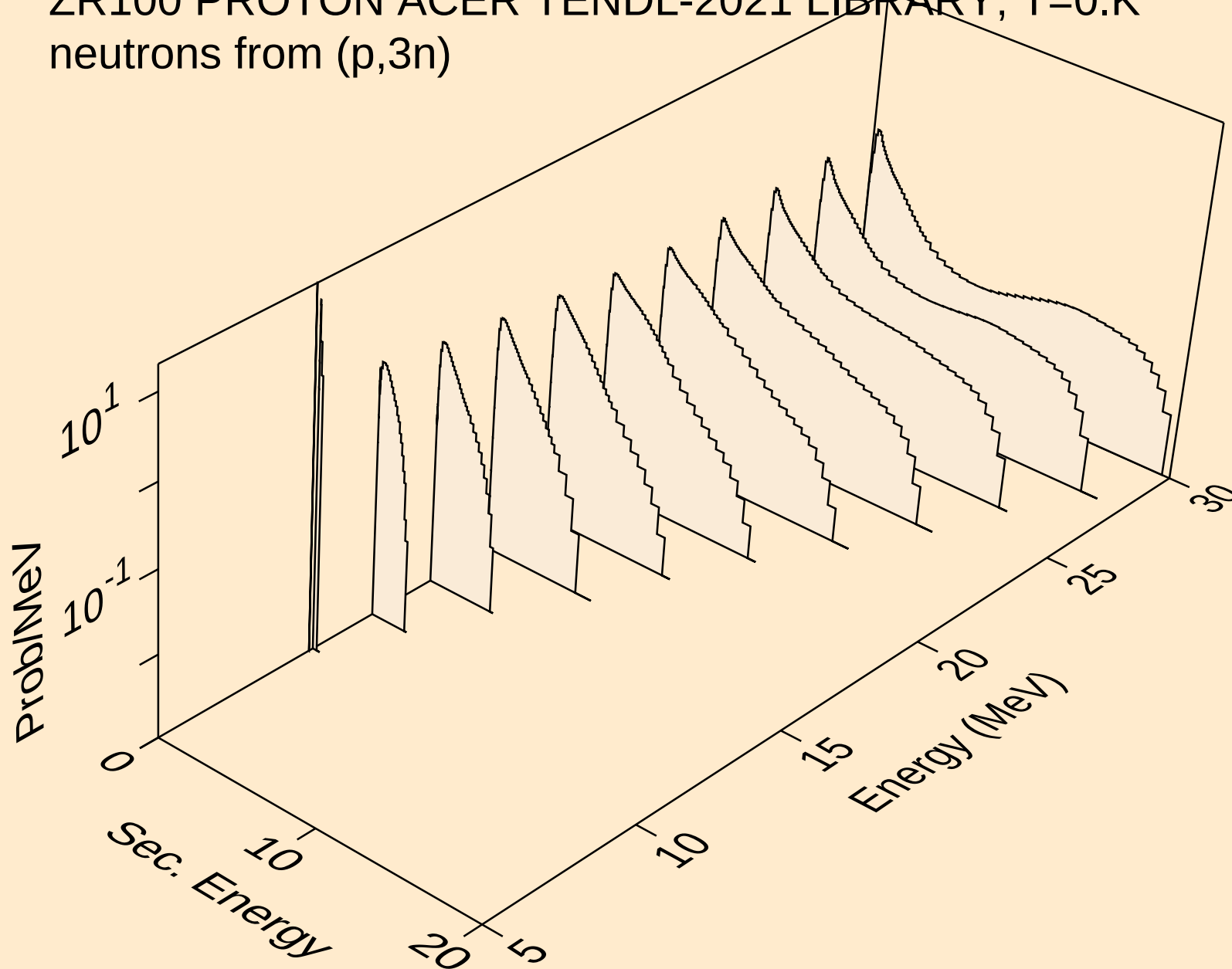
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2nd)



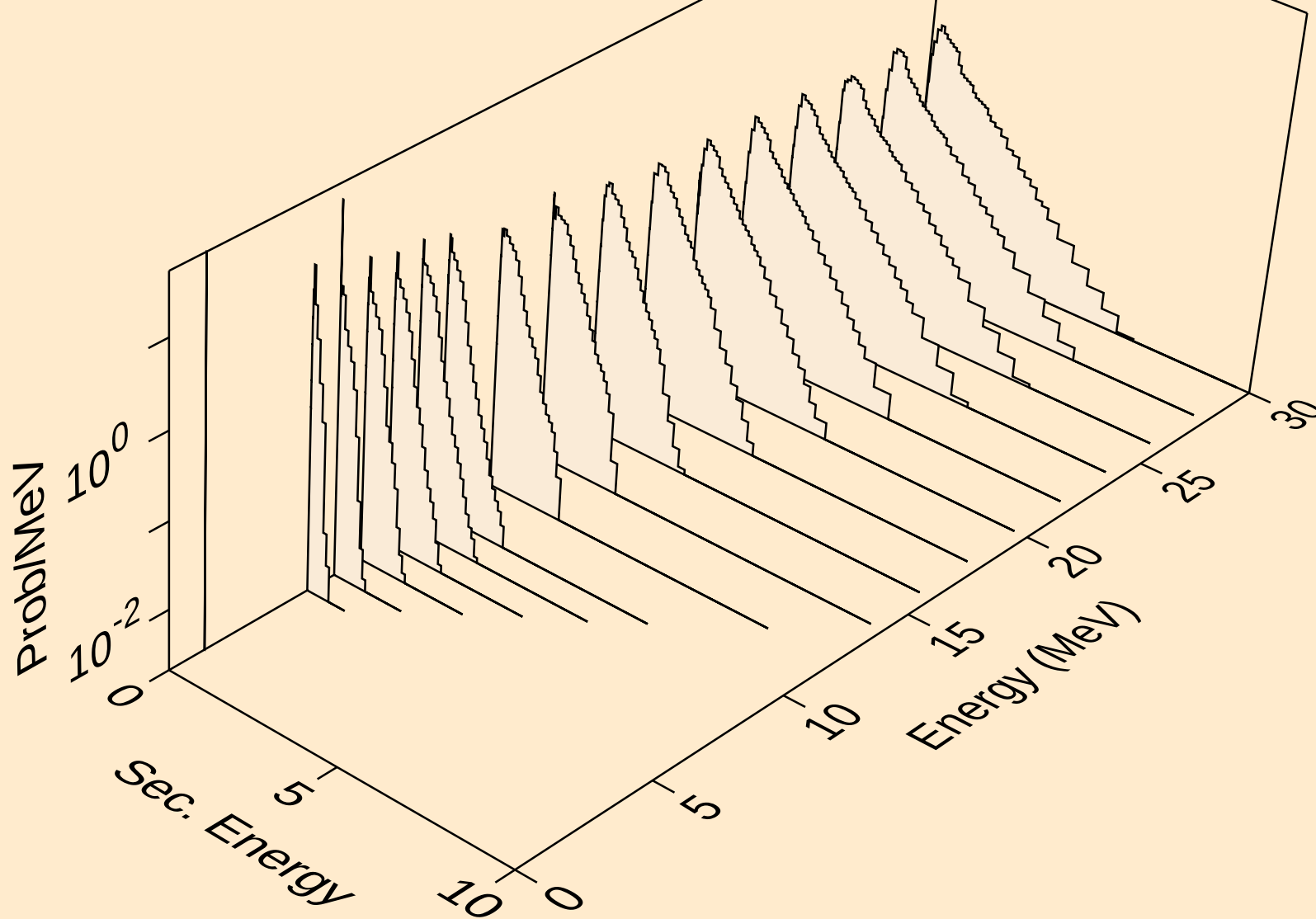
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)



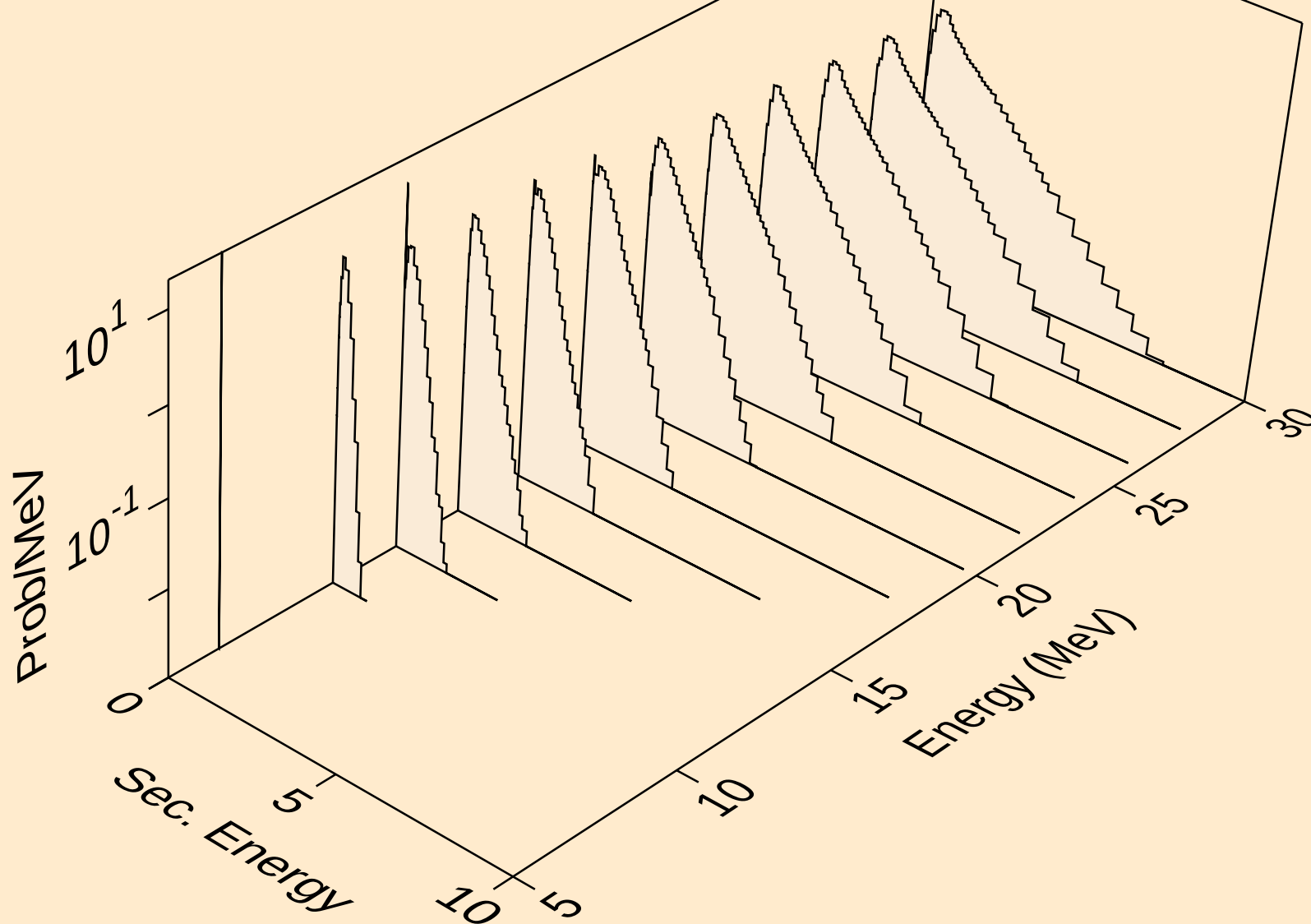
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)



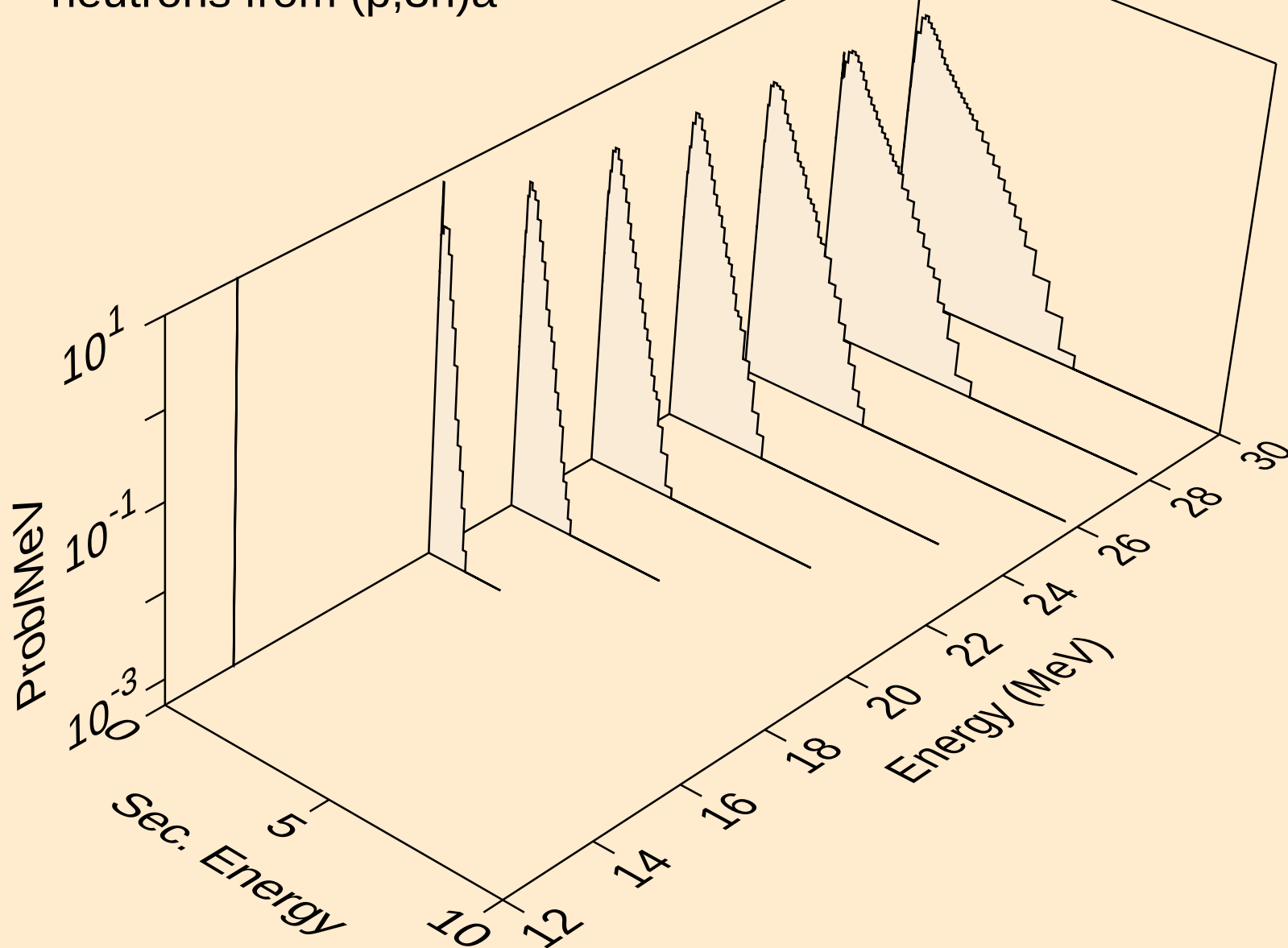
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
neutrons from $(p,n^*)a$



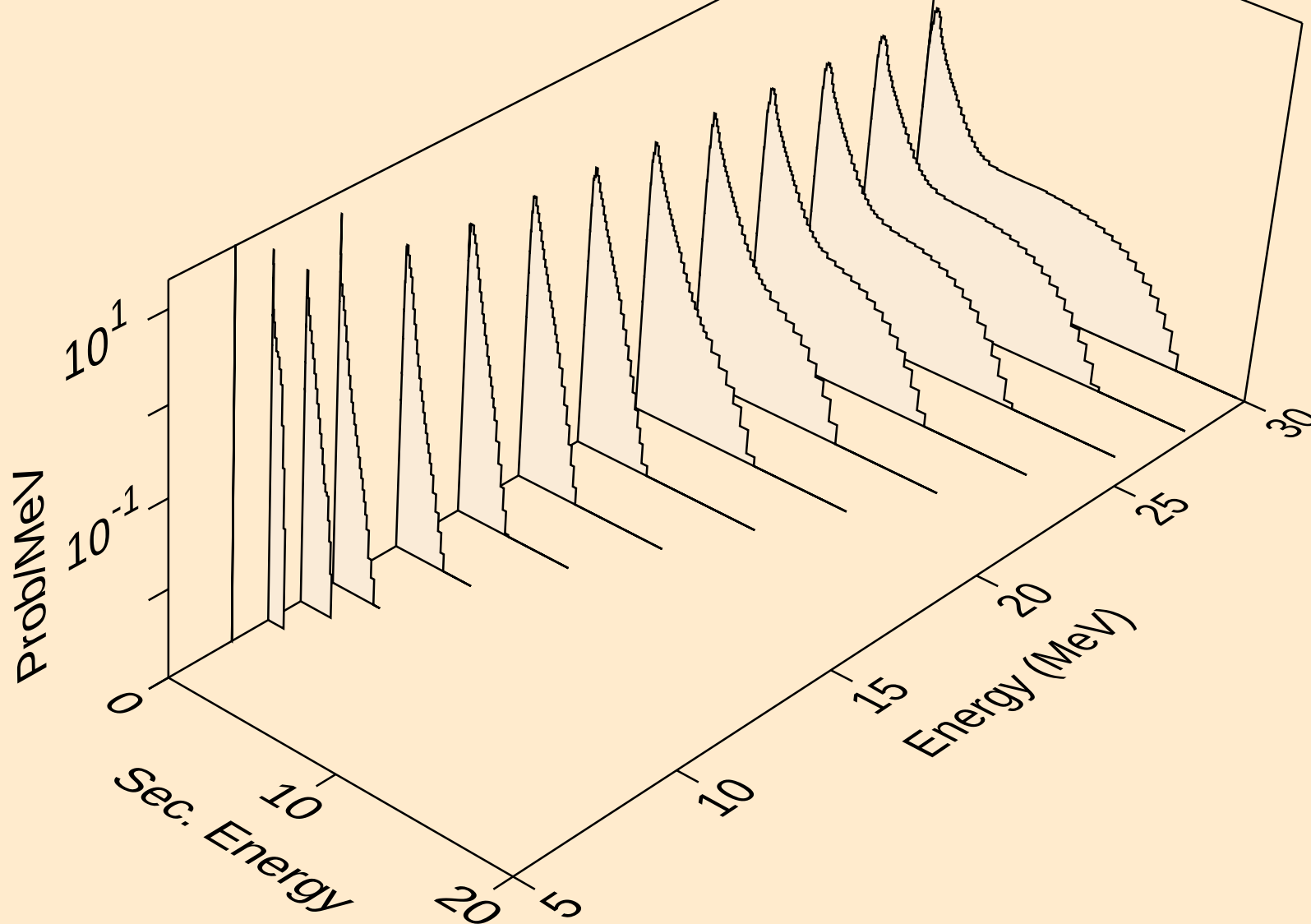
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)a



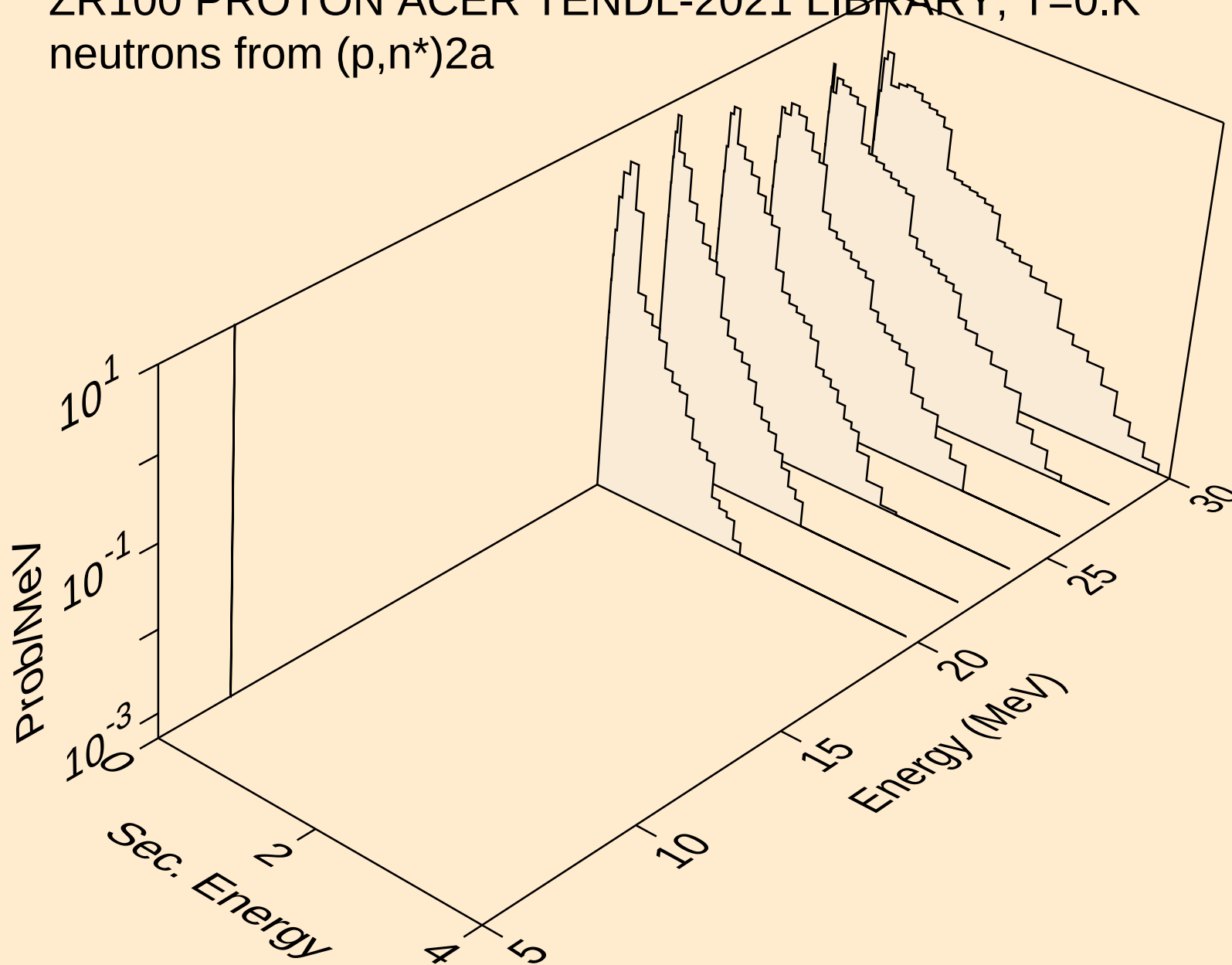
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)a



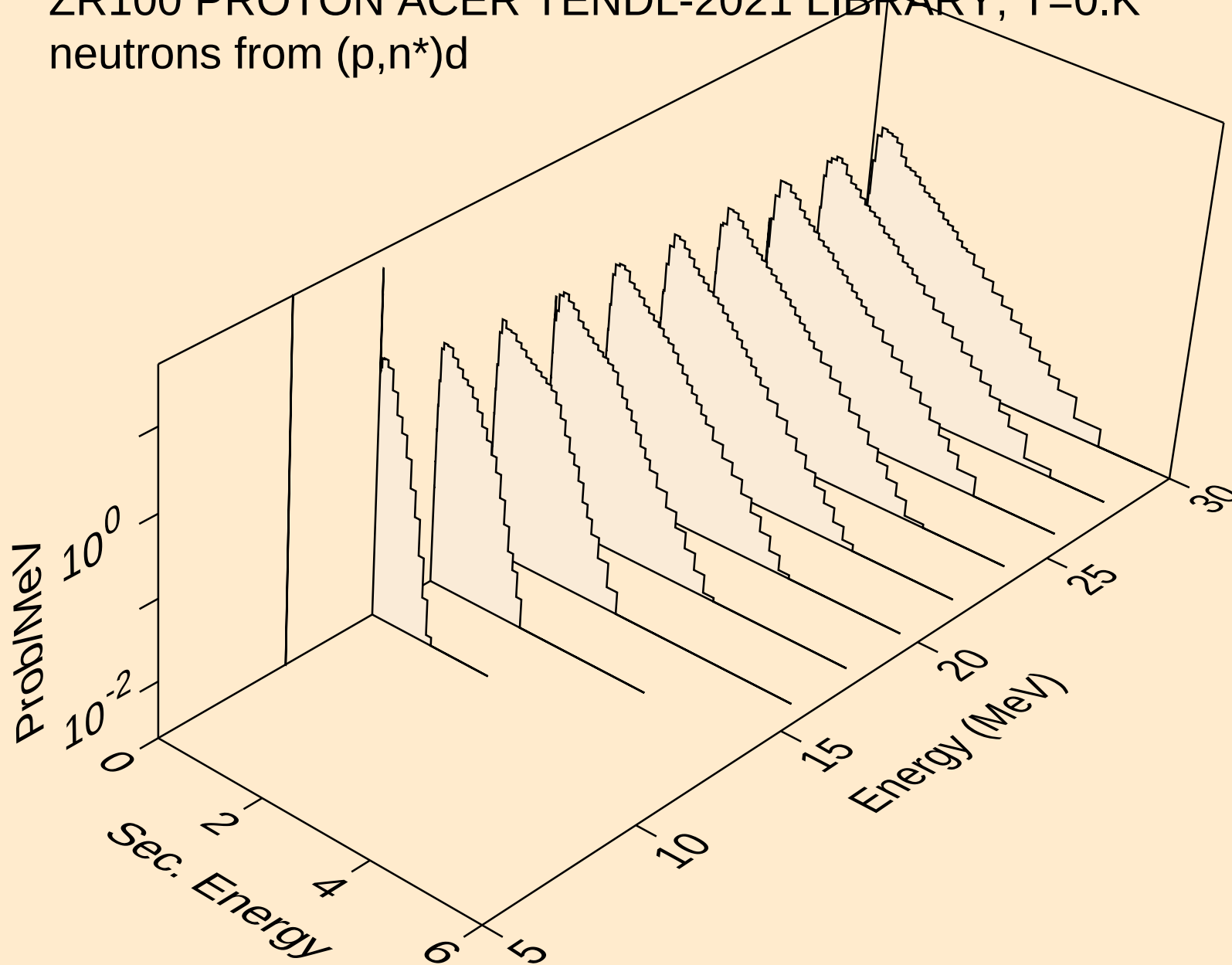
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)p



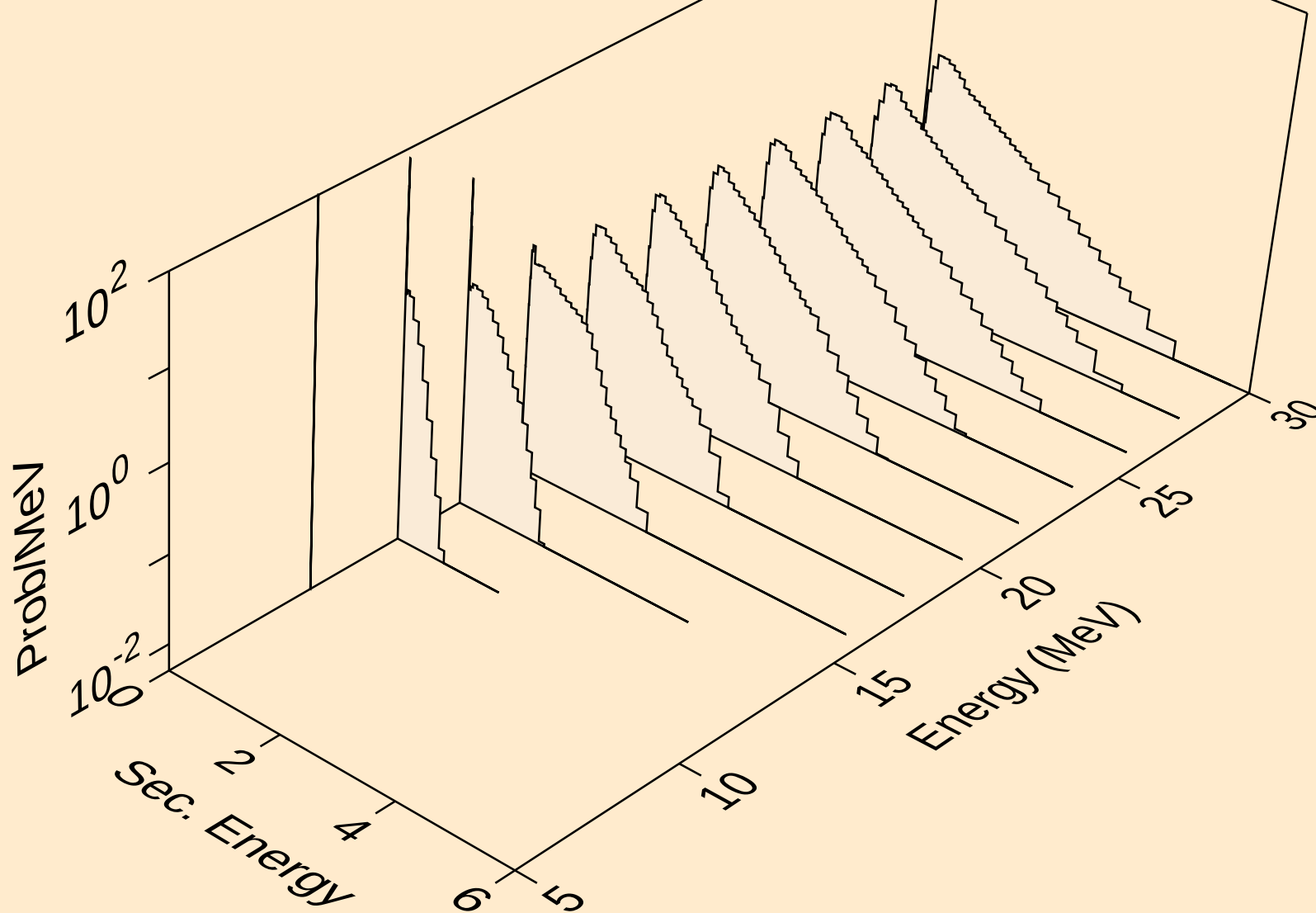
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)2a



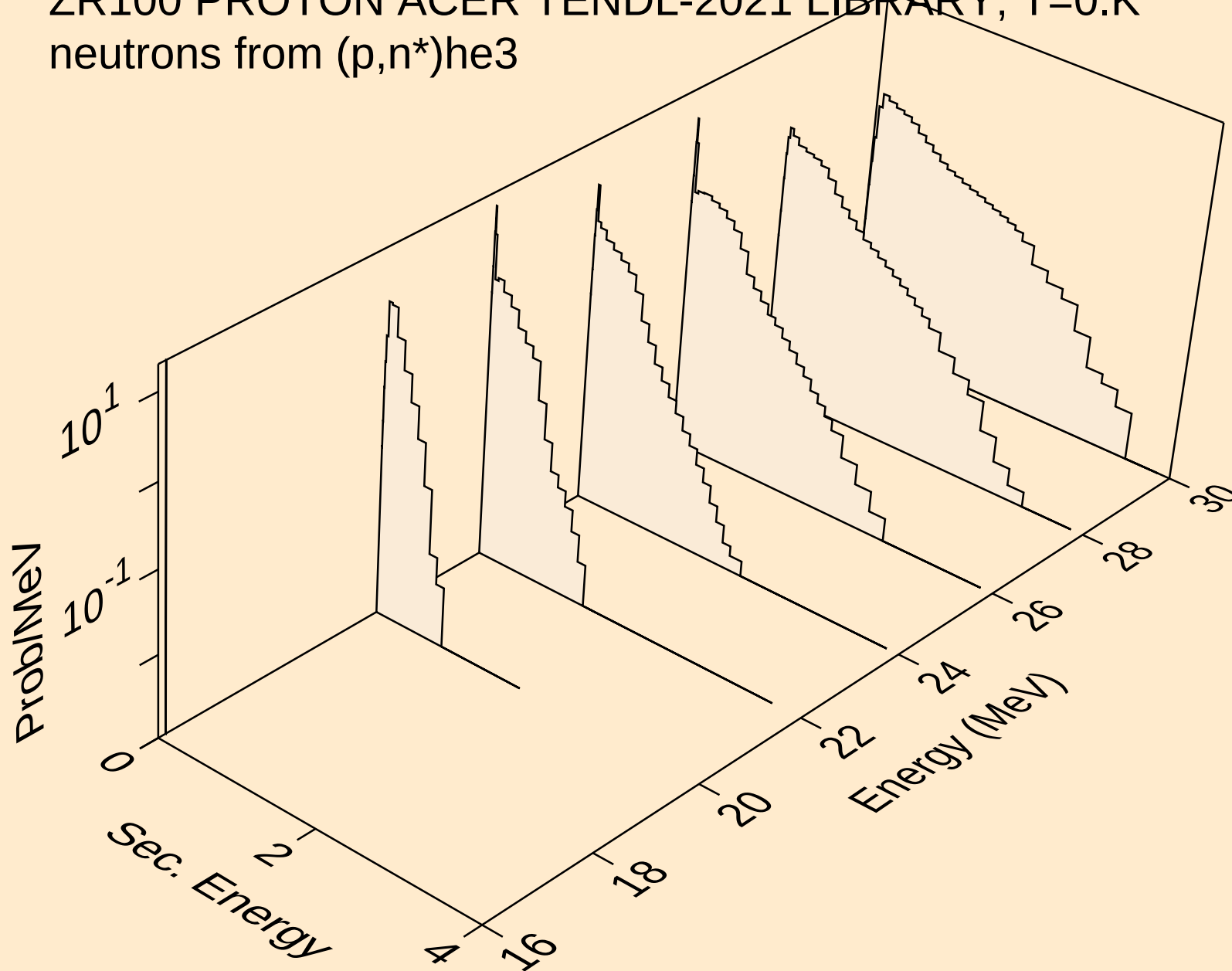
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
neutrons from $(p,n^*)d$



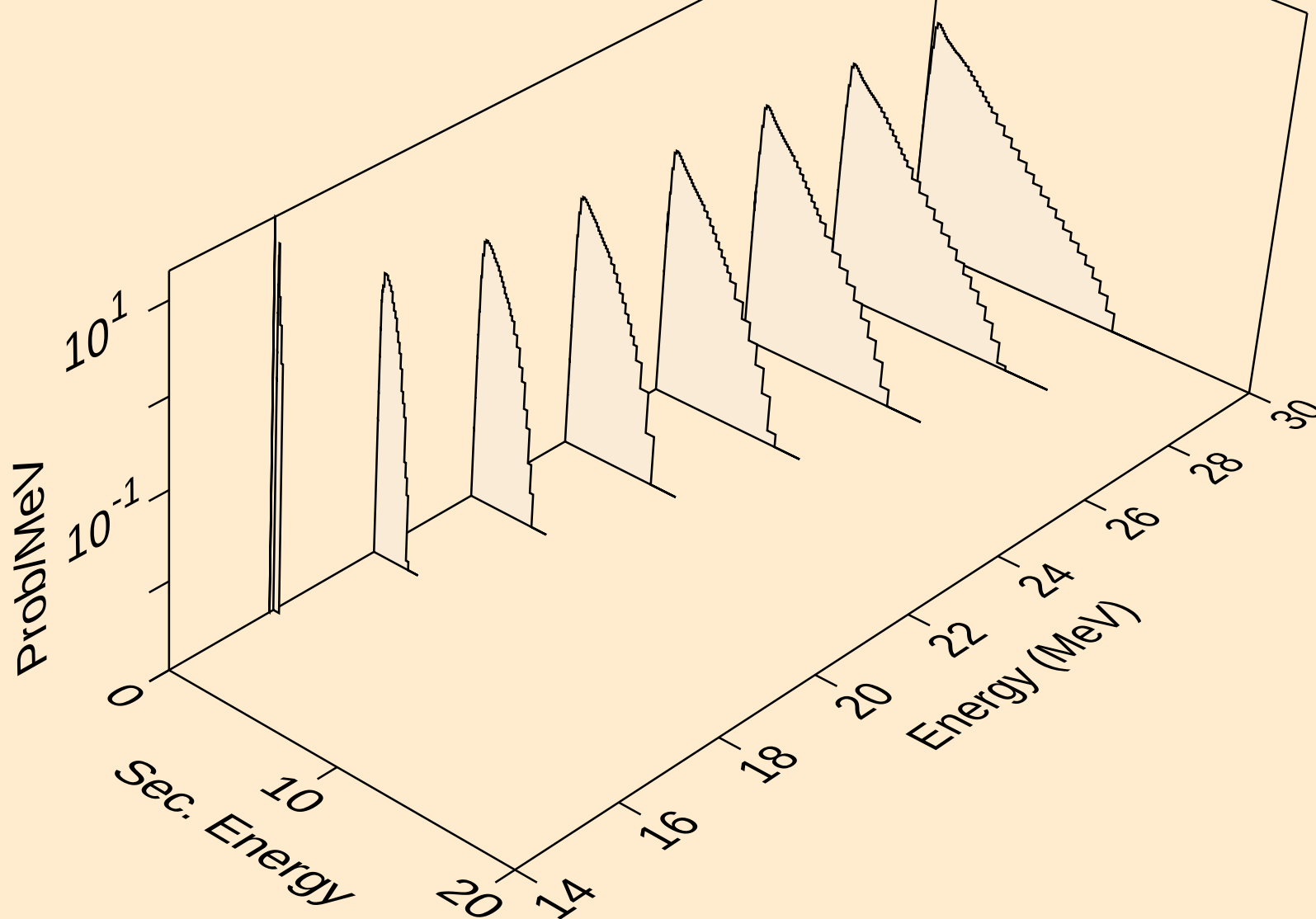
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
neutrons from $(p,n^*)t$



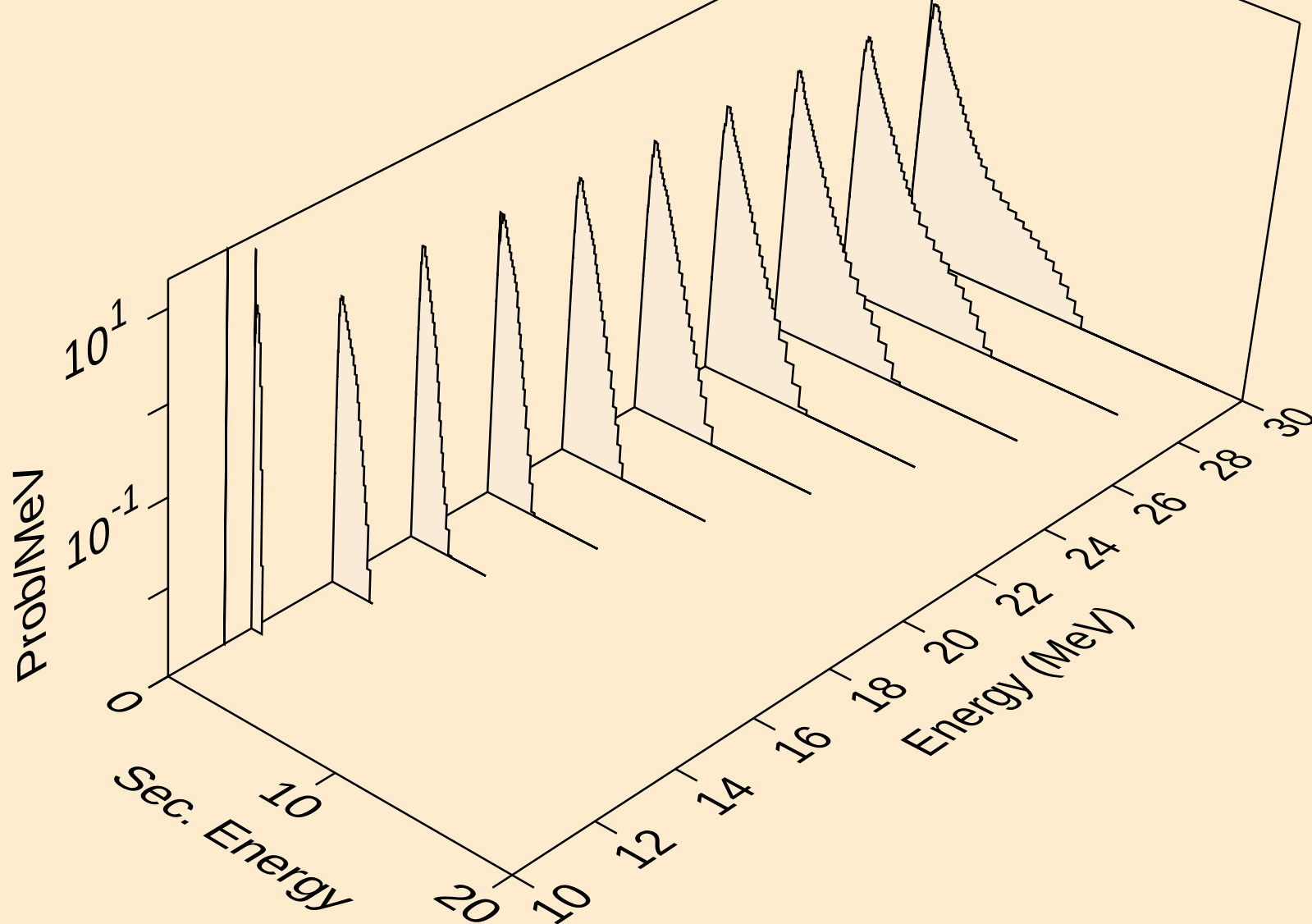
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)he3



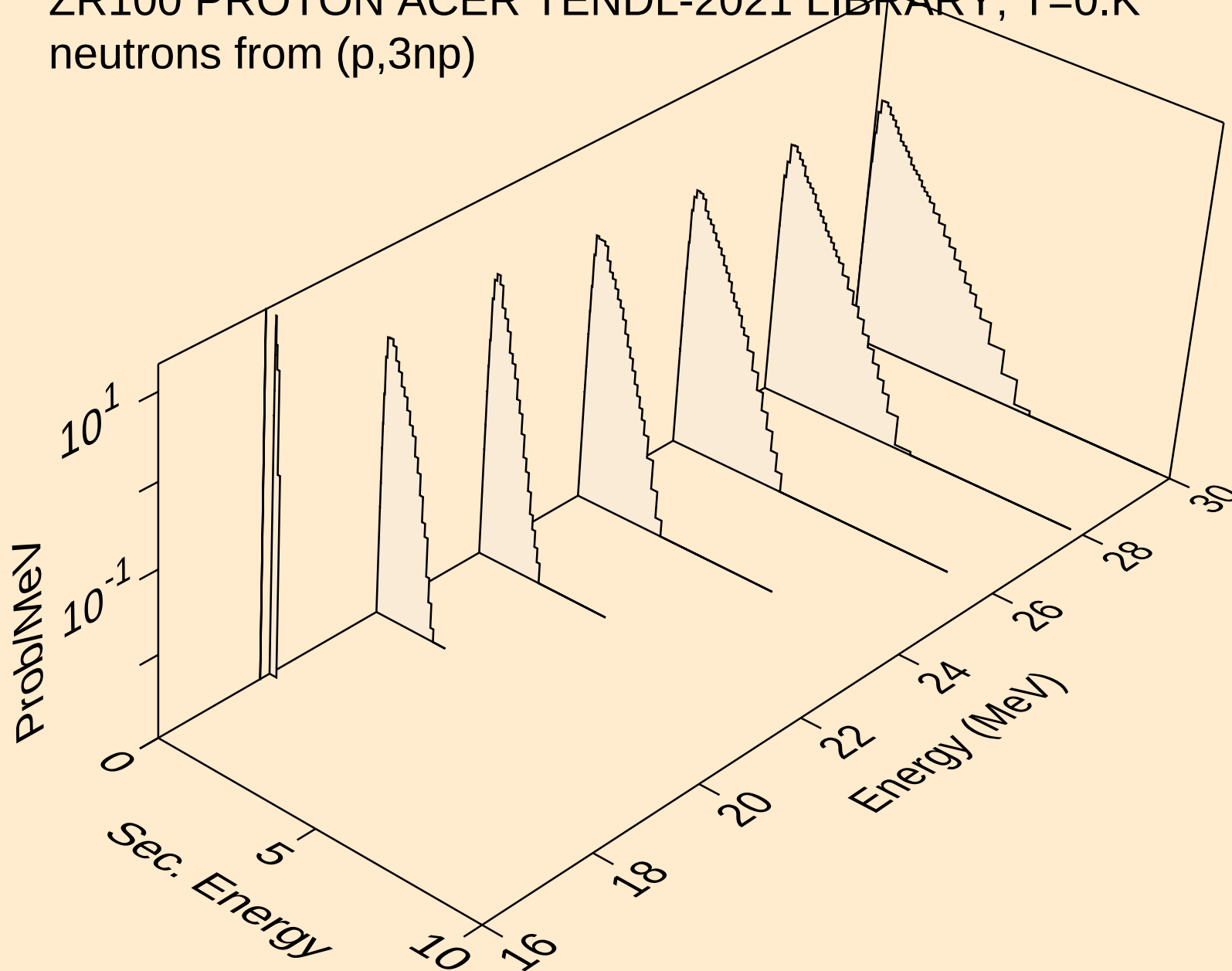
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,4n)



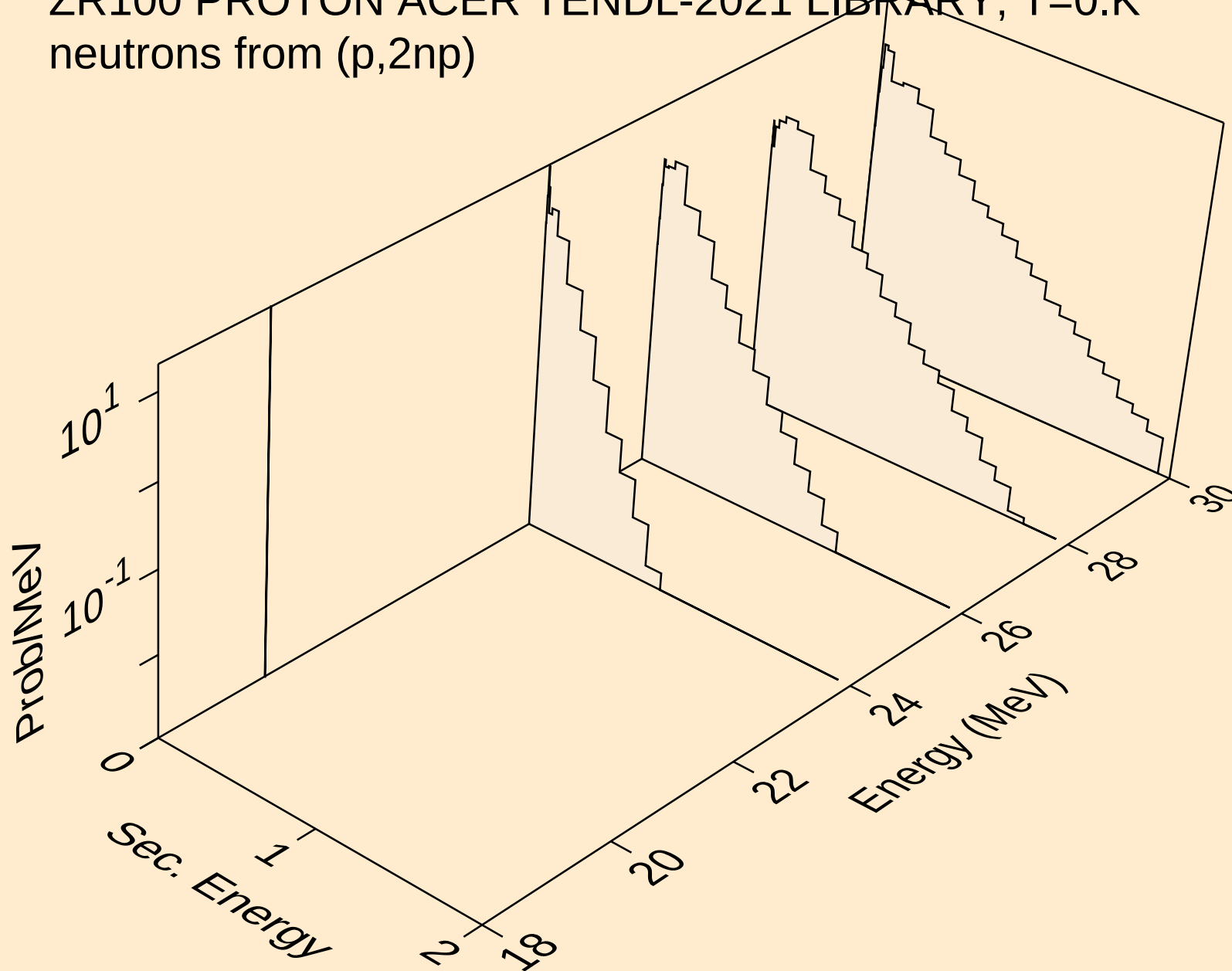
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
neutrons from (p,2np)



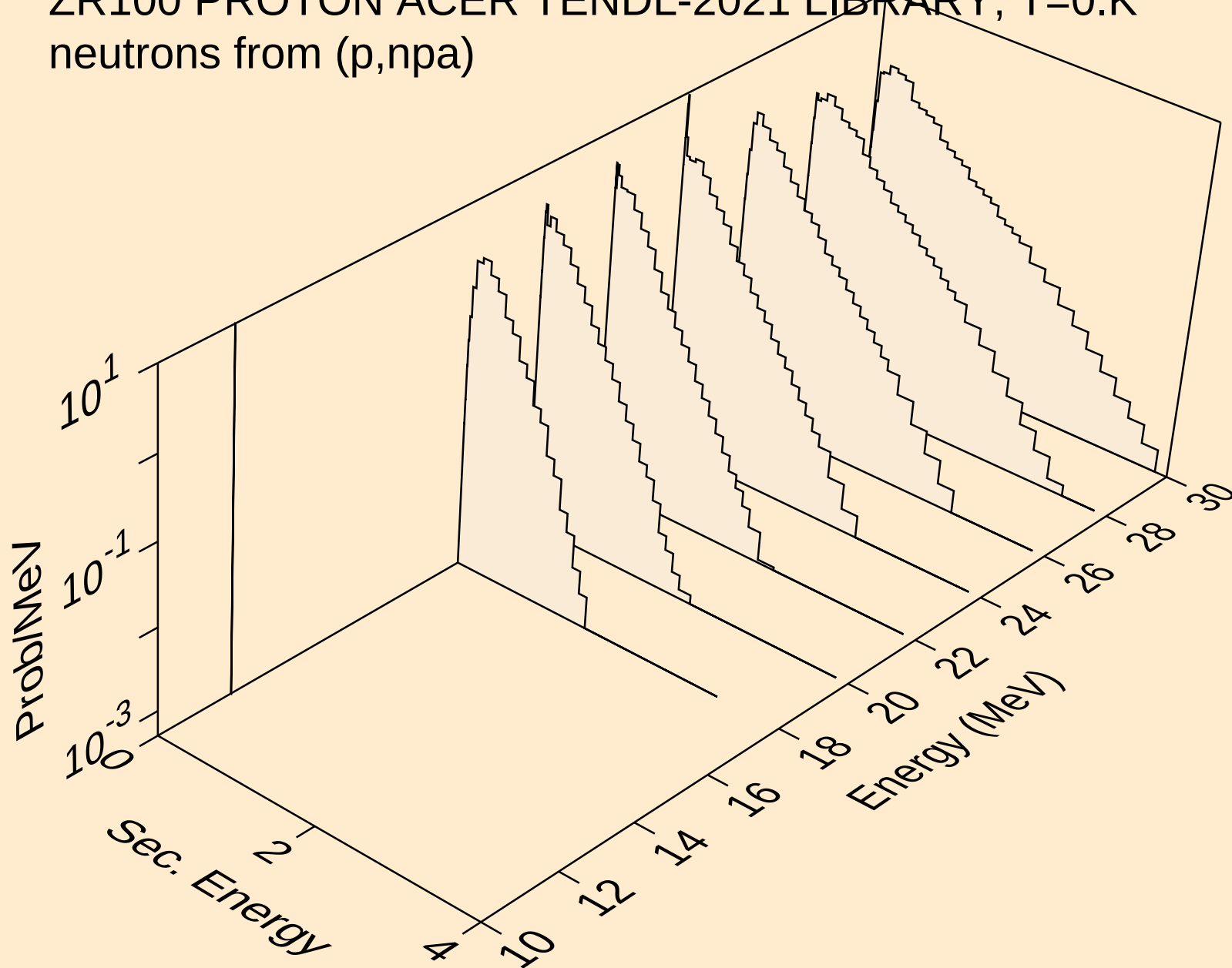
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
neutrons from (p,3np)



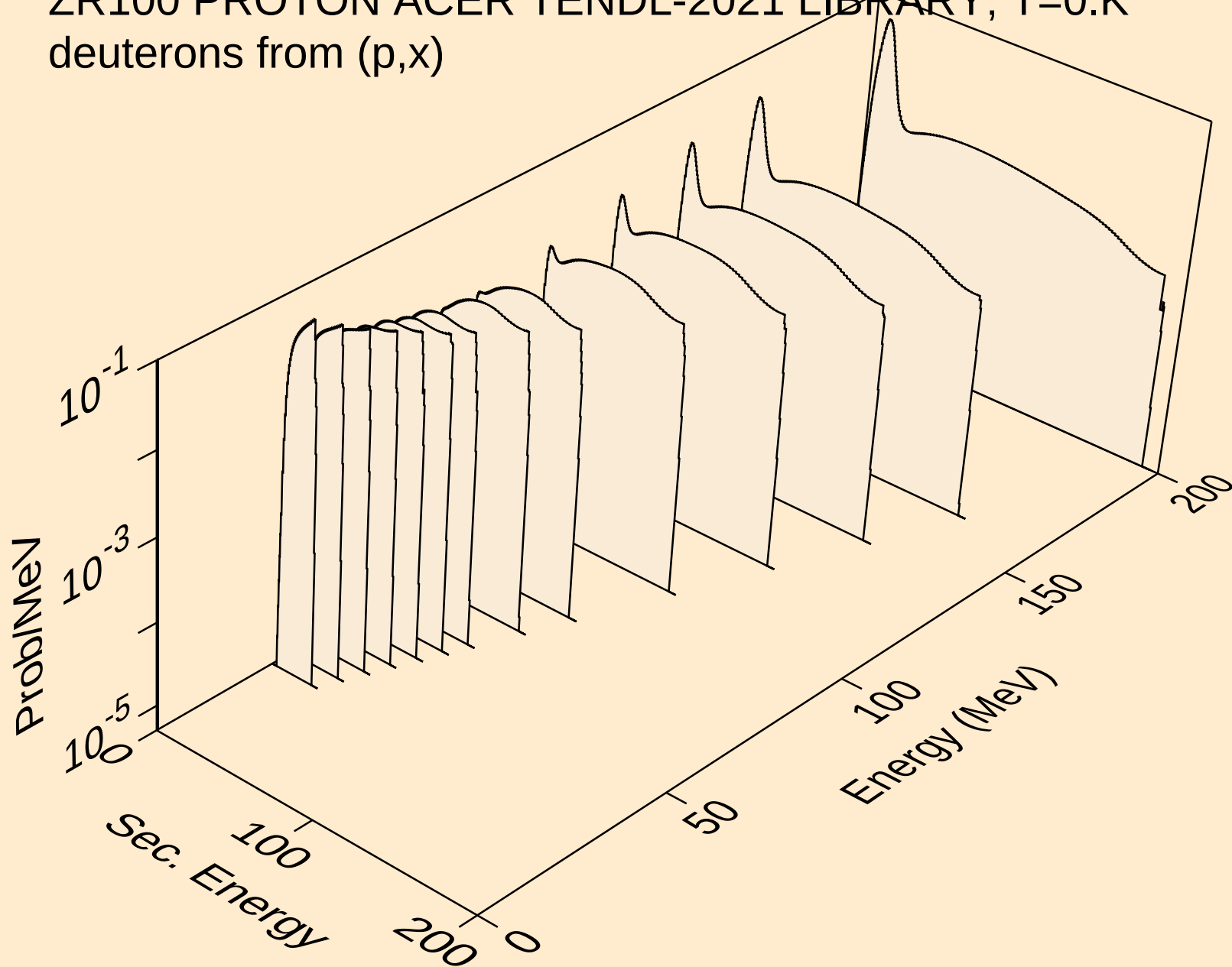
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2np)



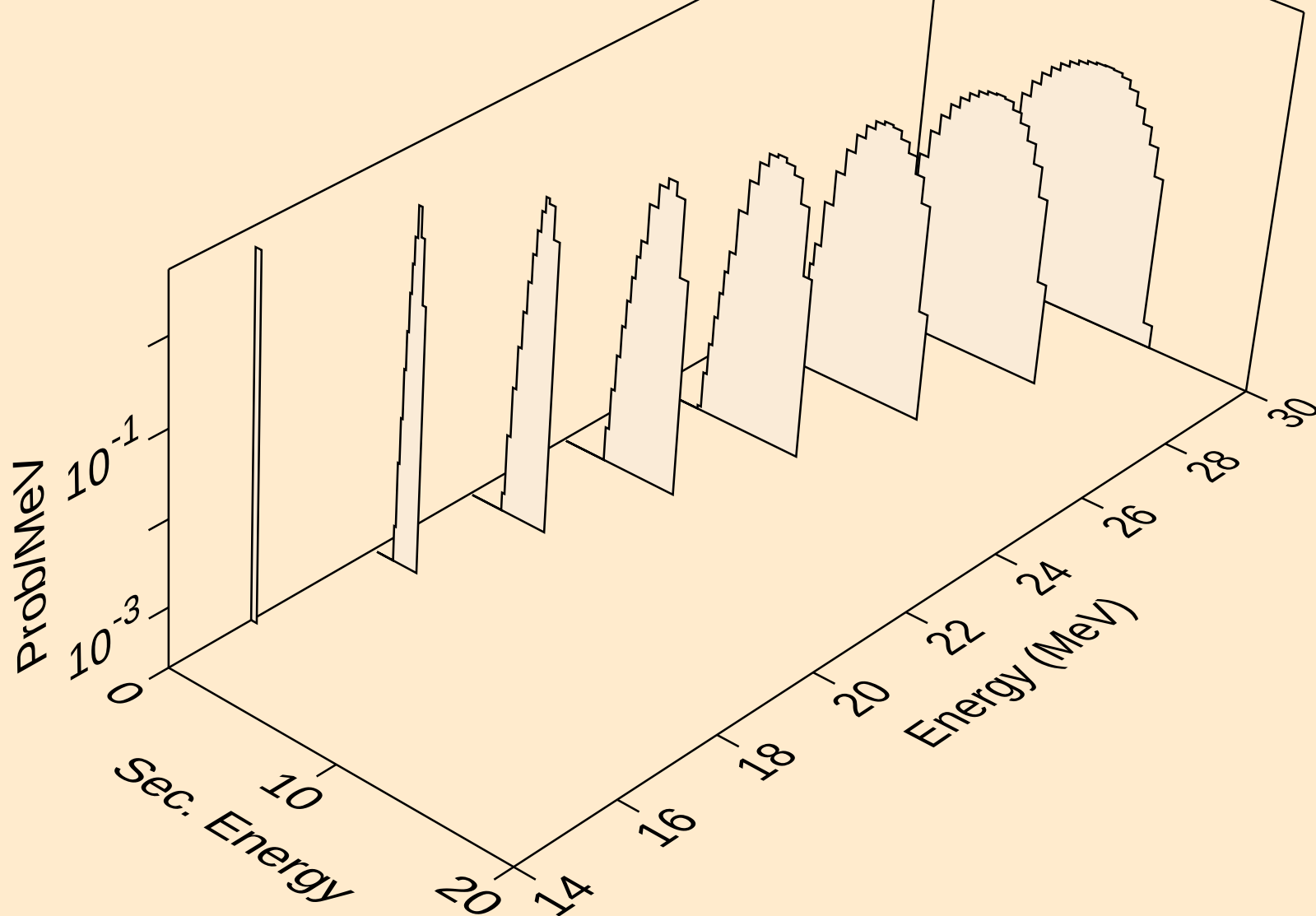
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,npa)



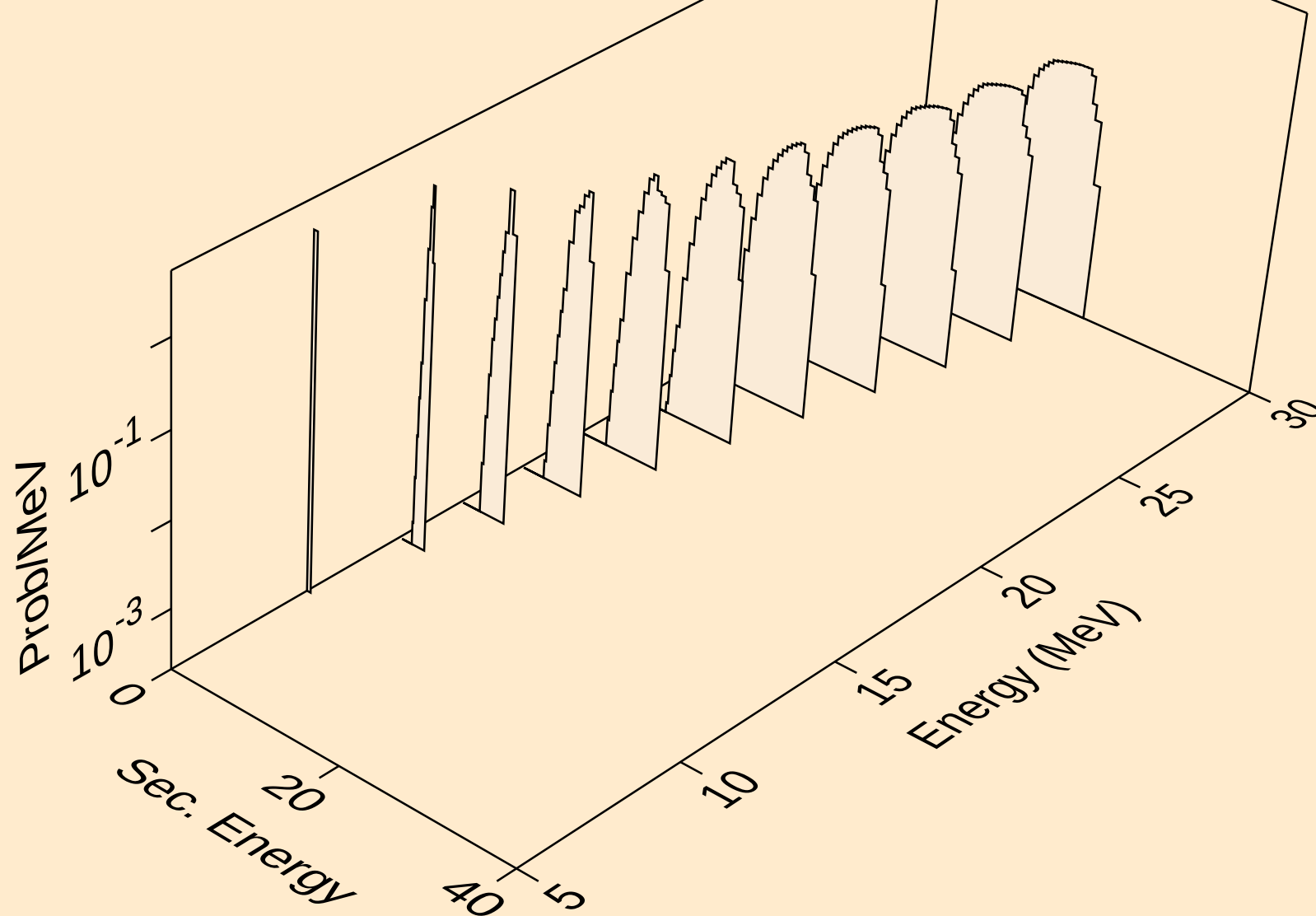
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,x)



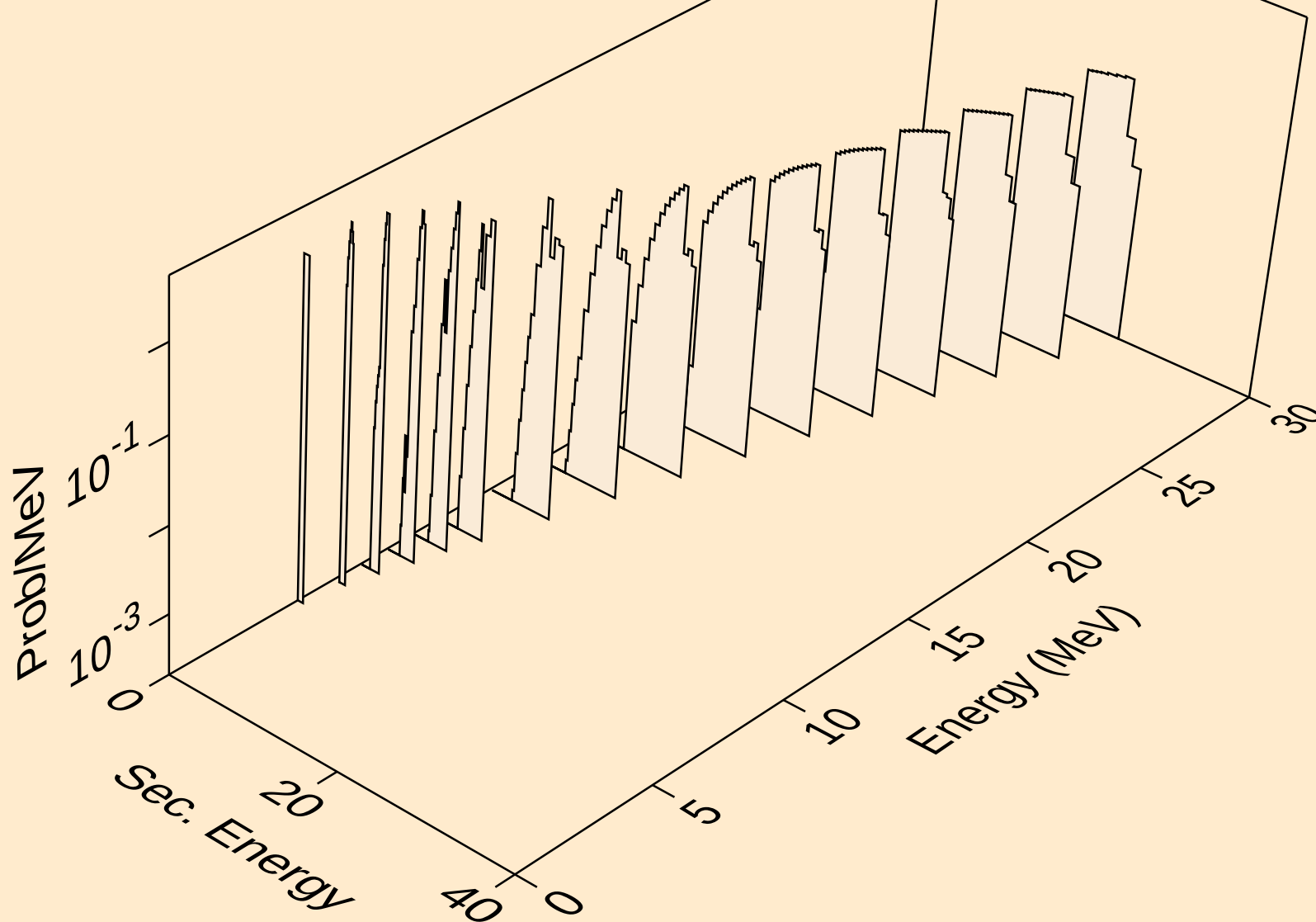
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,2nd)



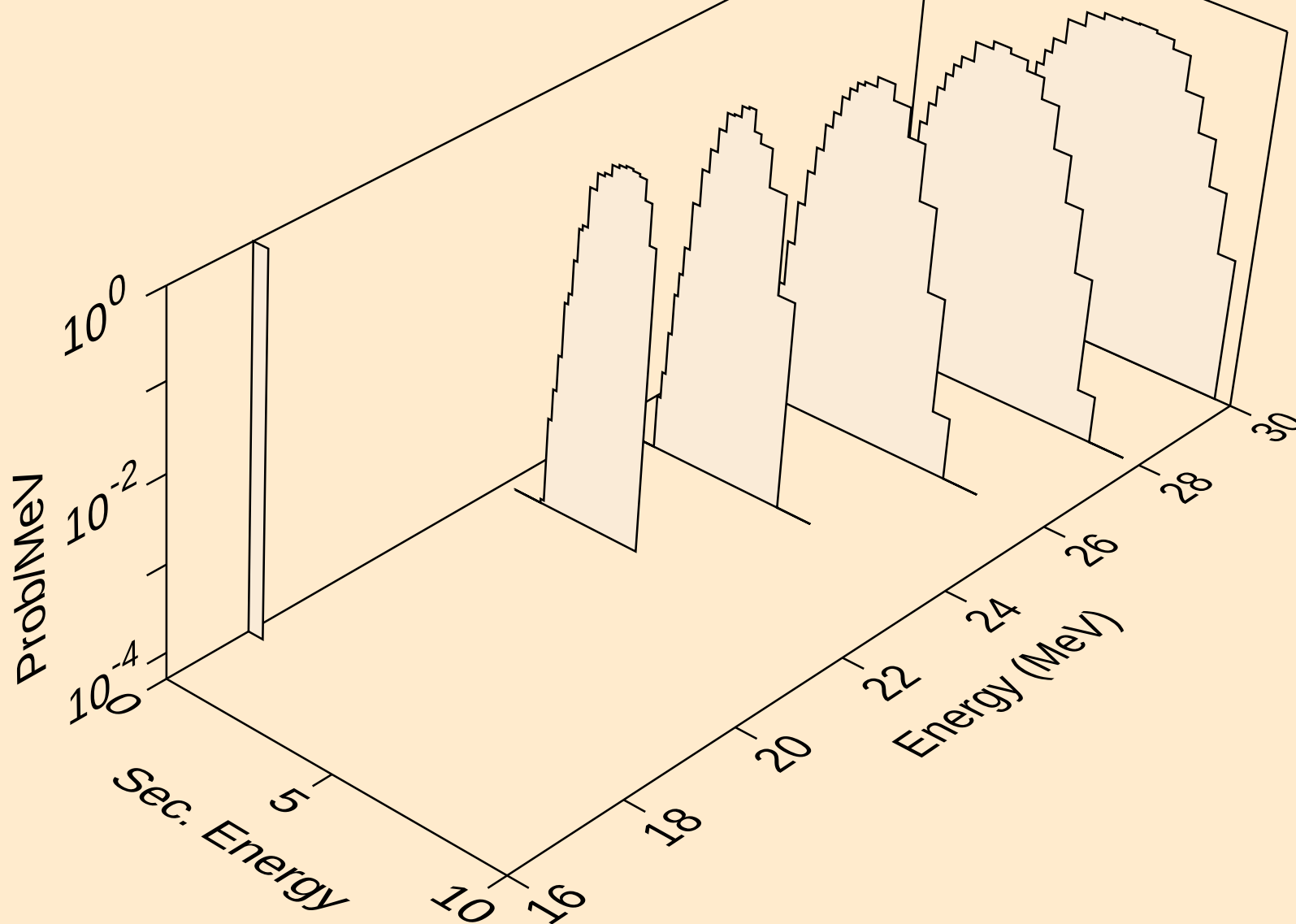
ZR100 PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
deuterons from $(p,n^*)d$



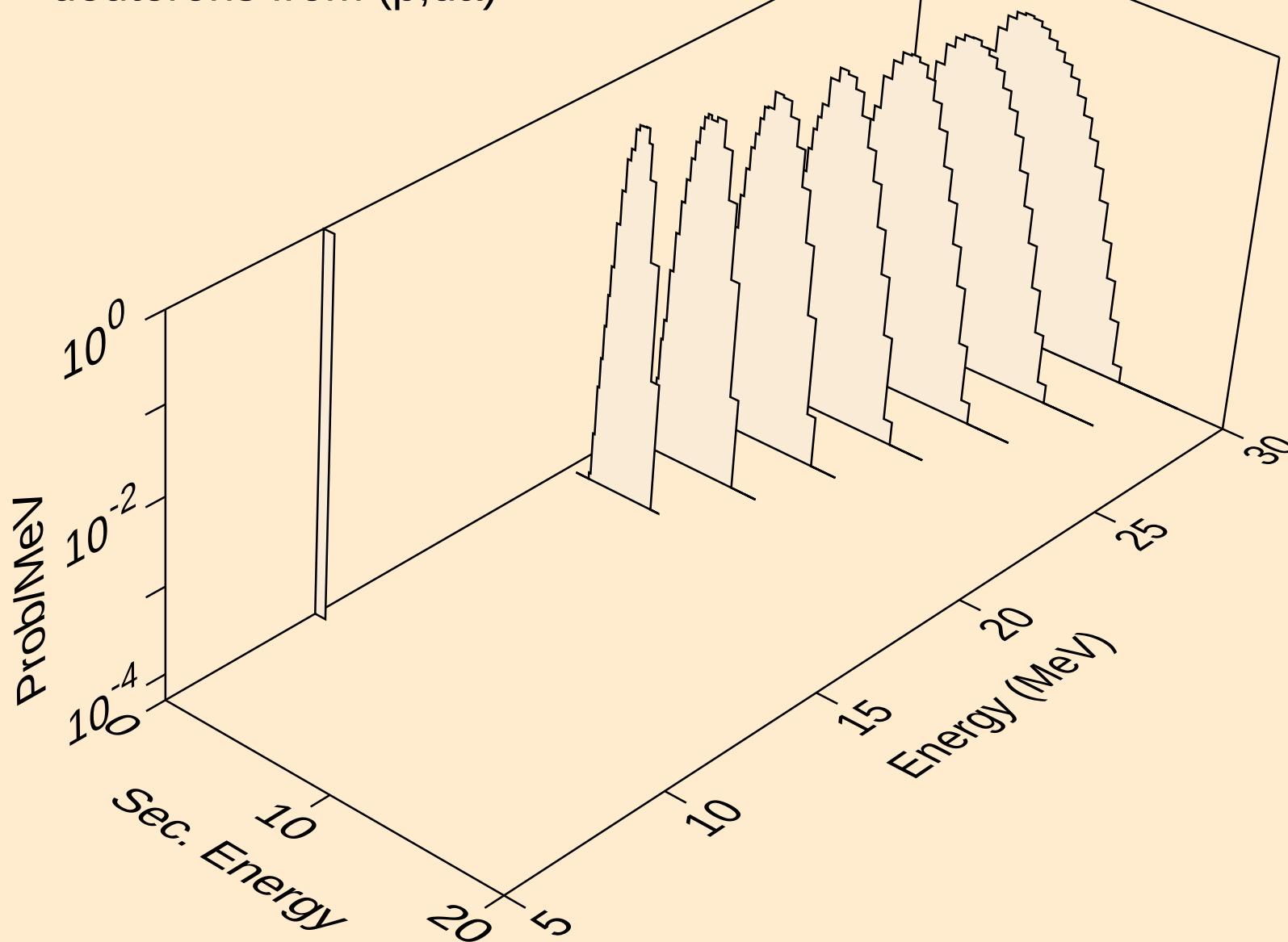
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deuterons from (p,d)



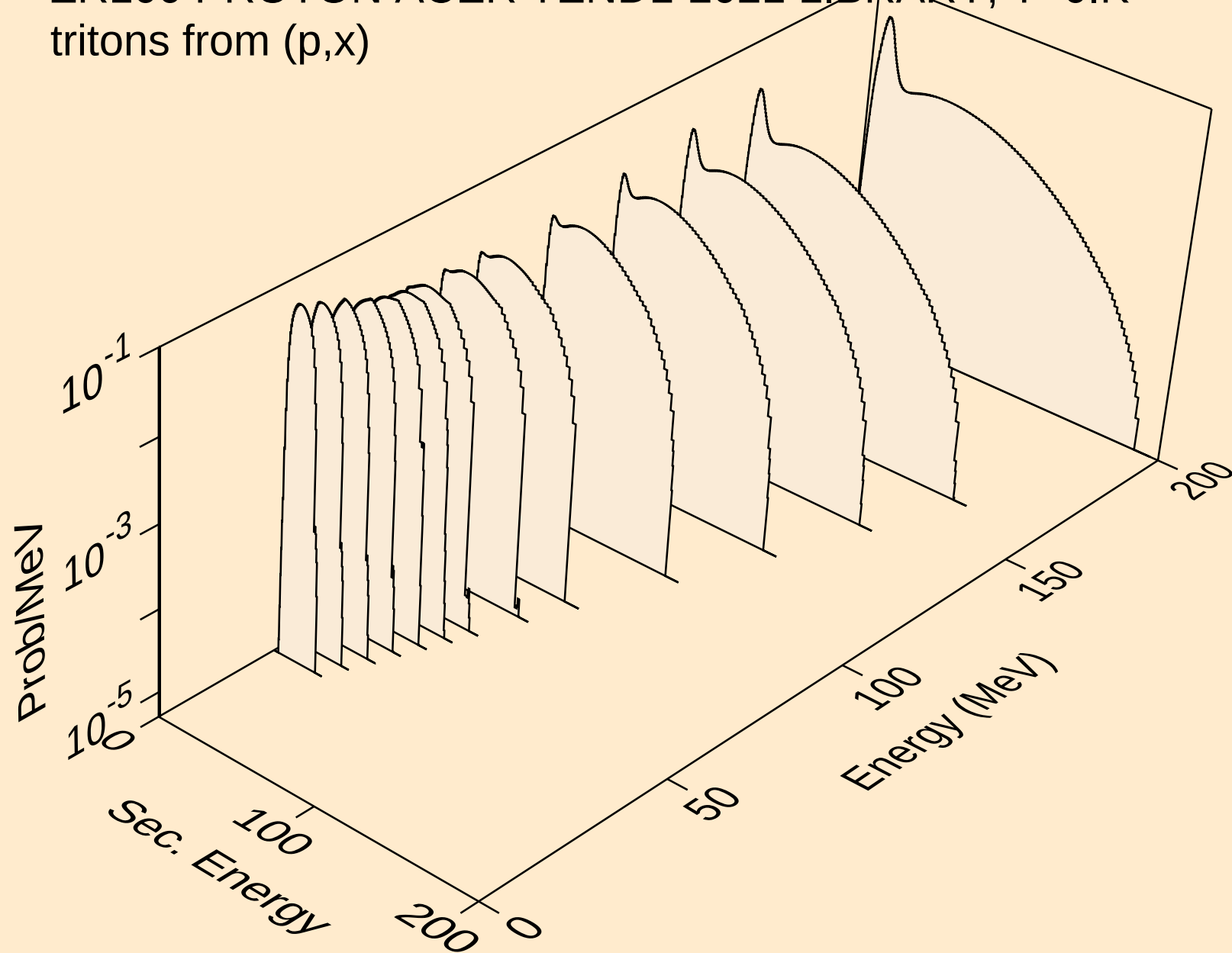
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deuterons from (p,pd)



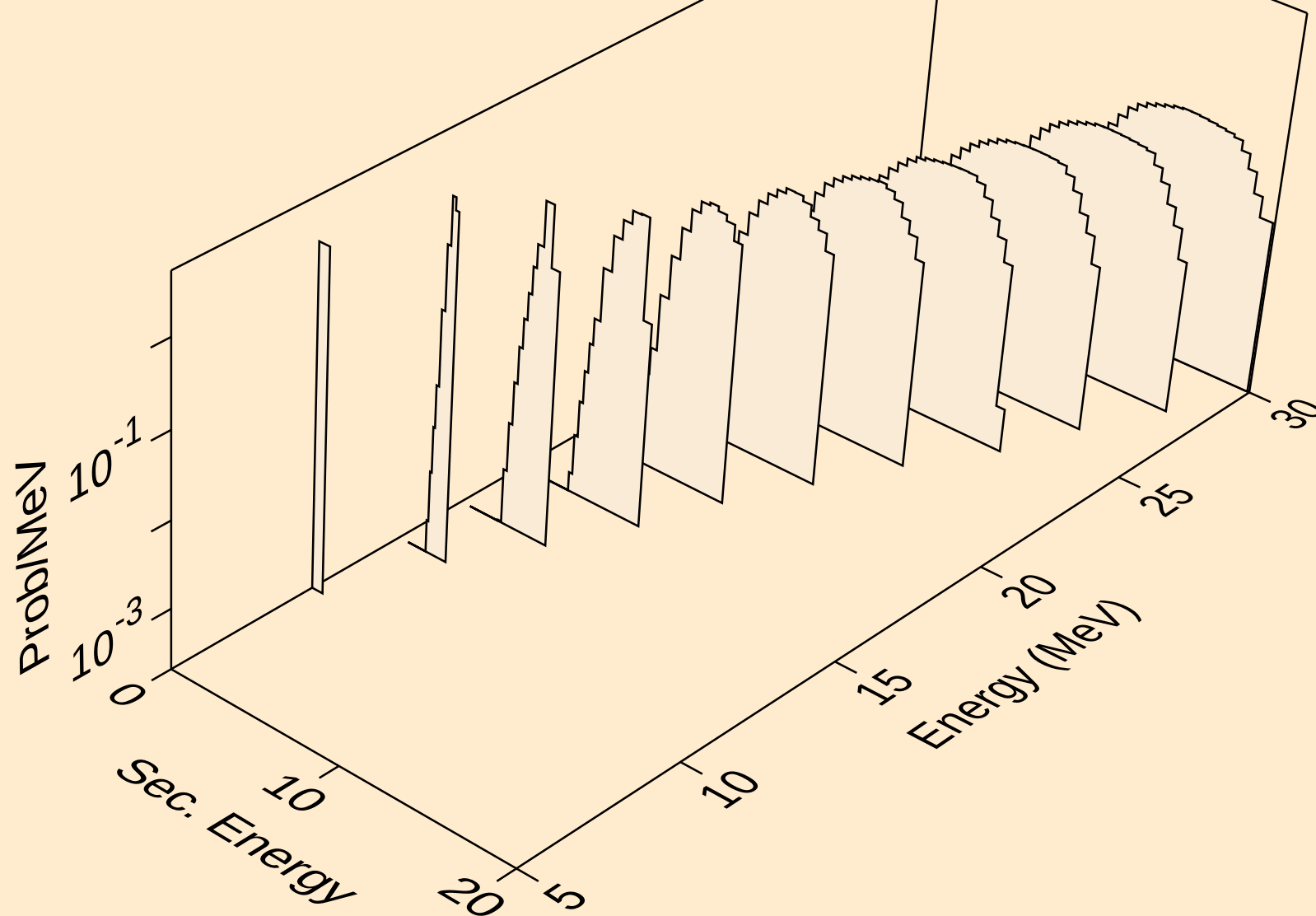
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deuterons from (p,da)



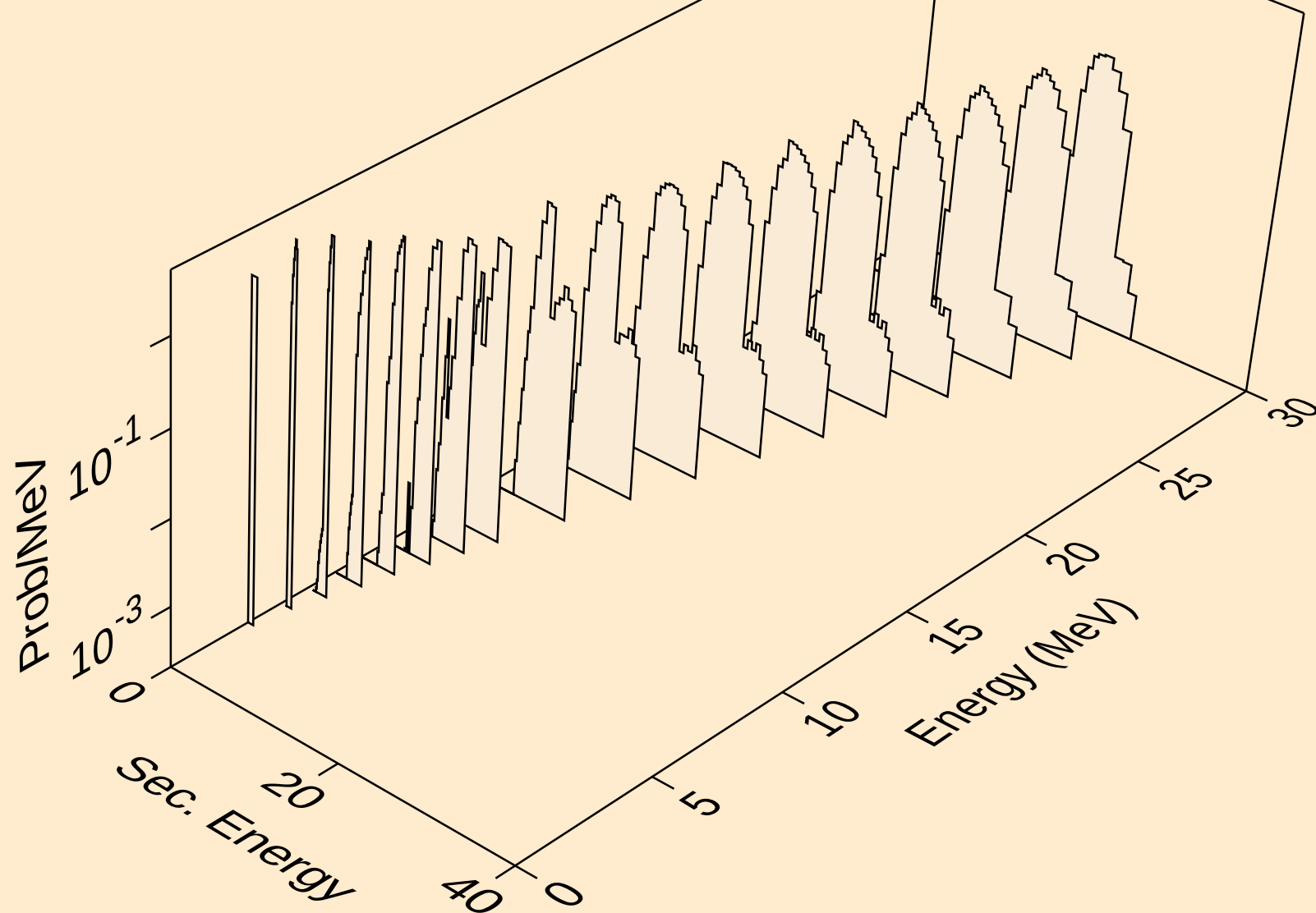
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tritons from (p,x)



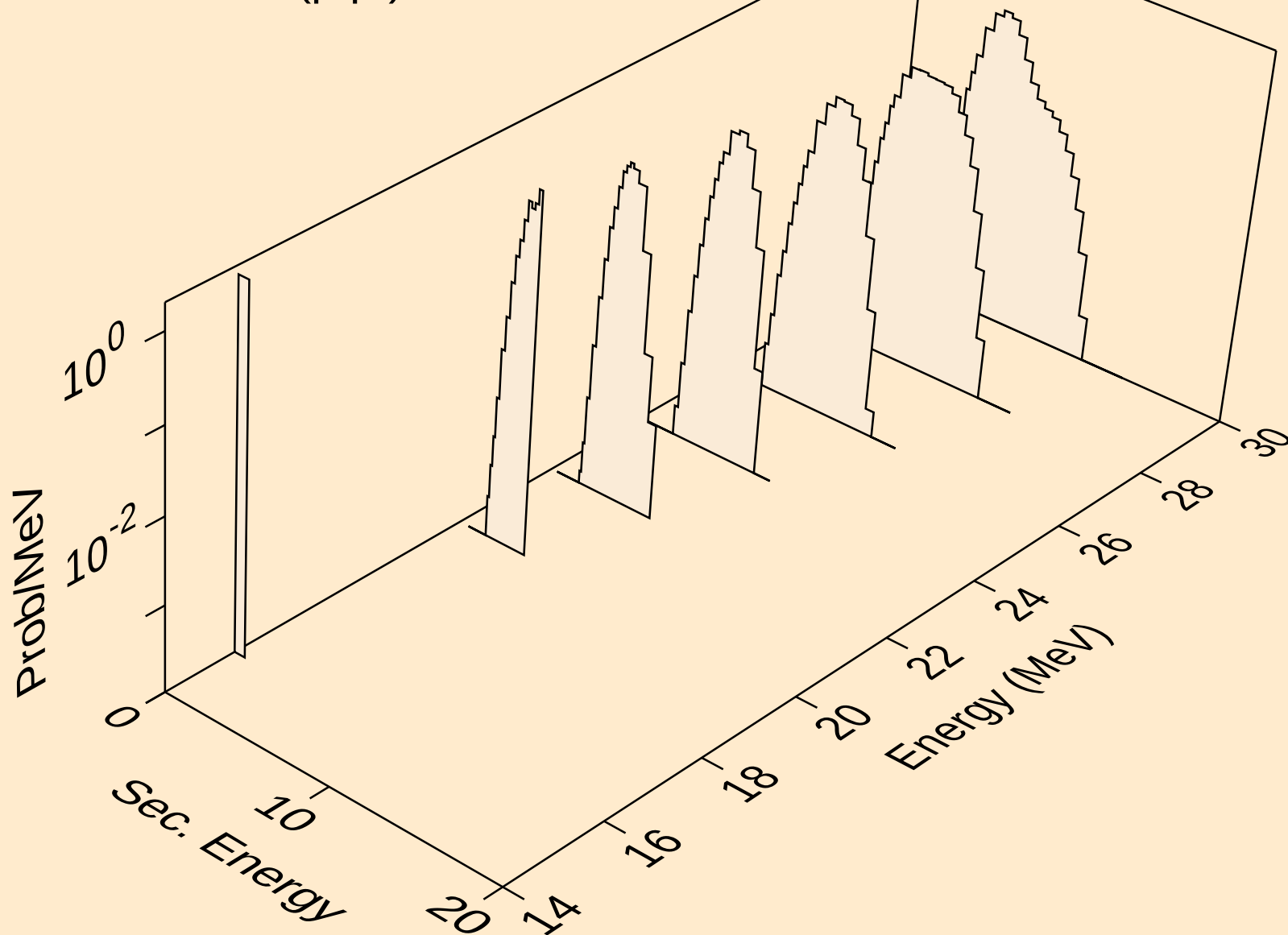
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
tritons from (p,n*)t



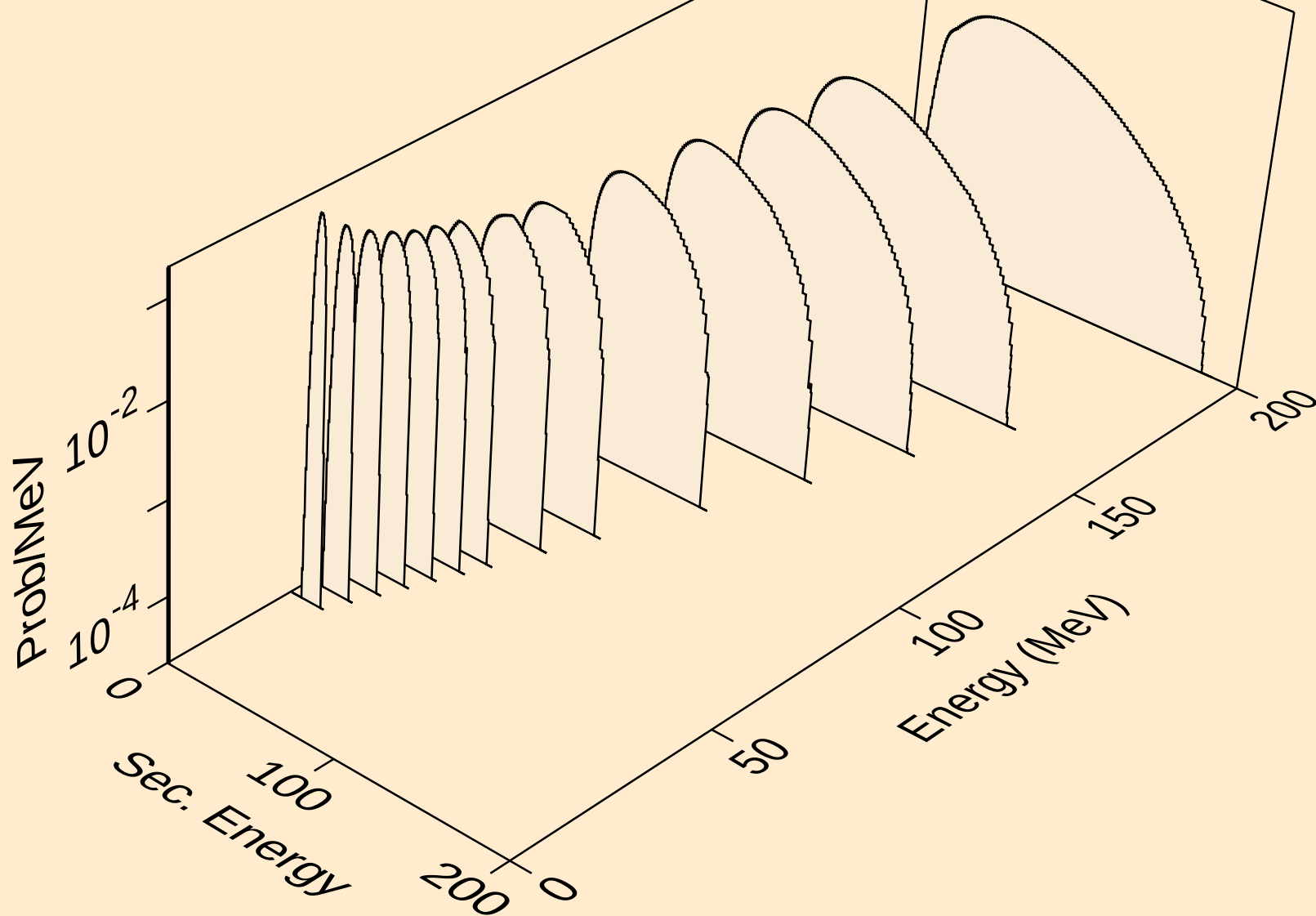
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tritons from (p,t)



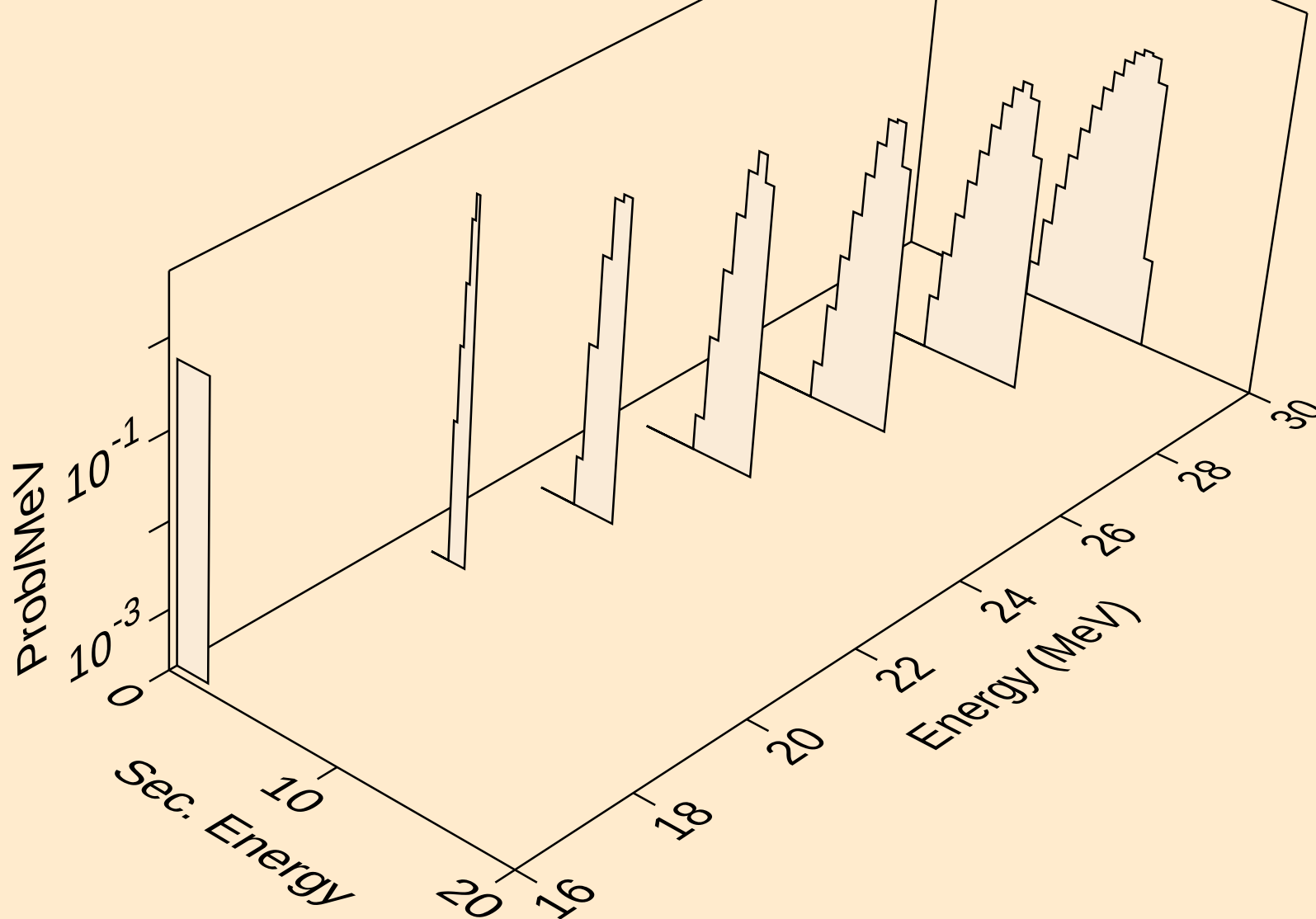
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tritons from (p,pt)



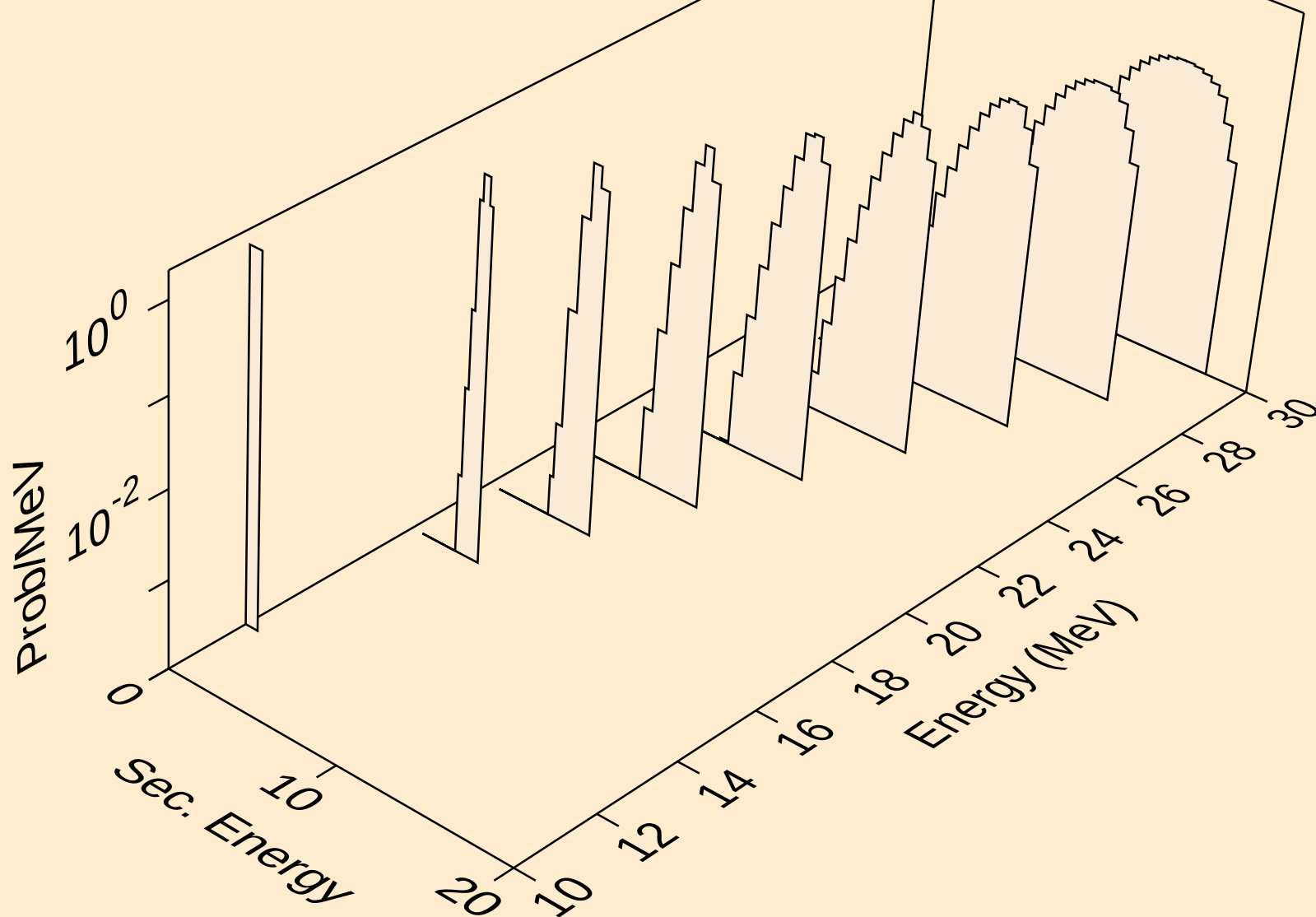
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
he3s from (p,x)



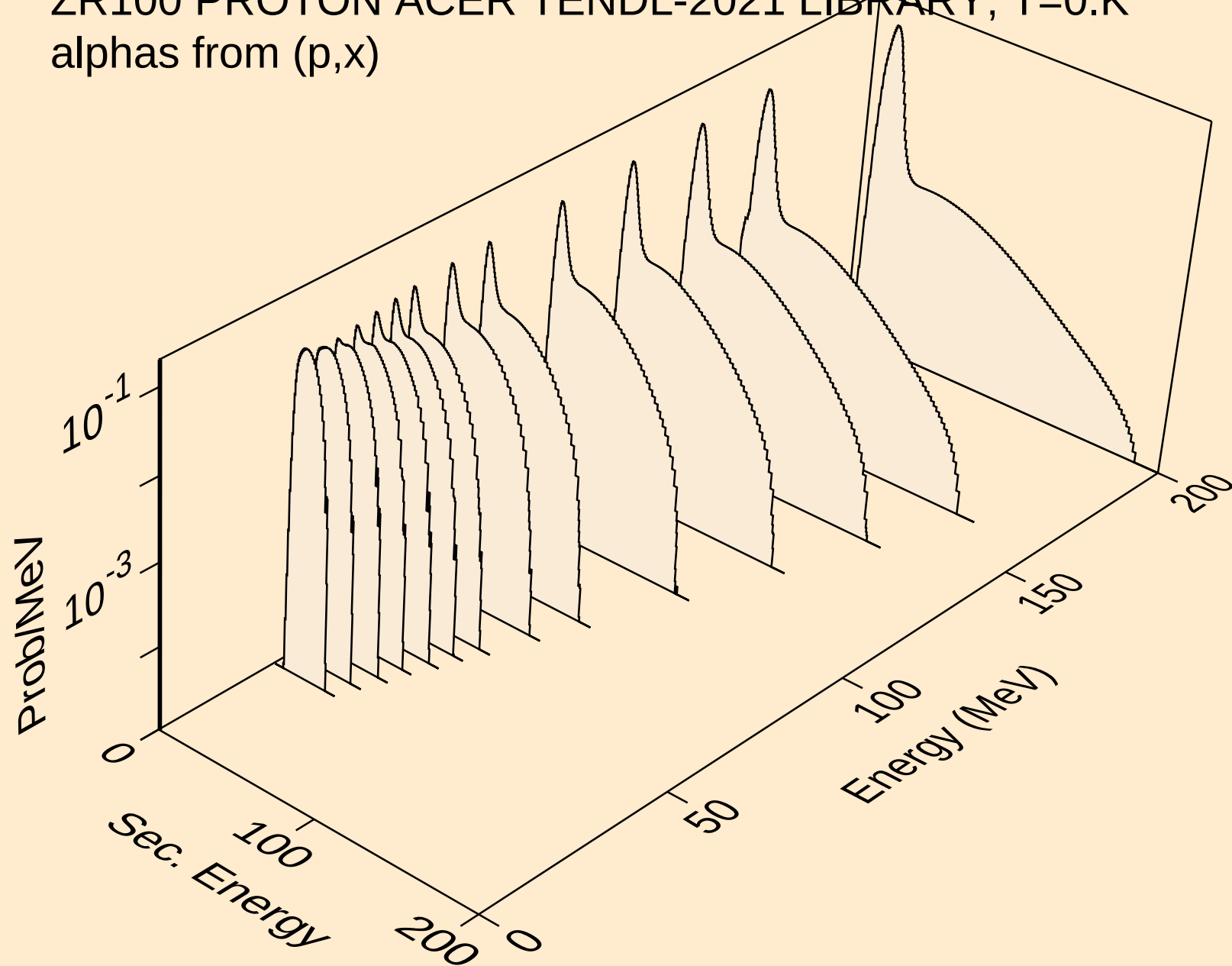
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
he3s from (p,n*)he3



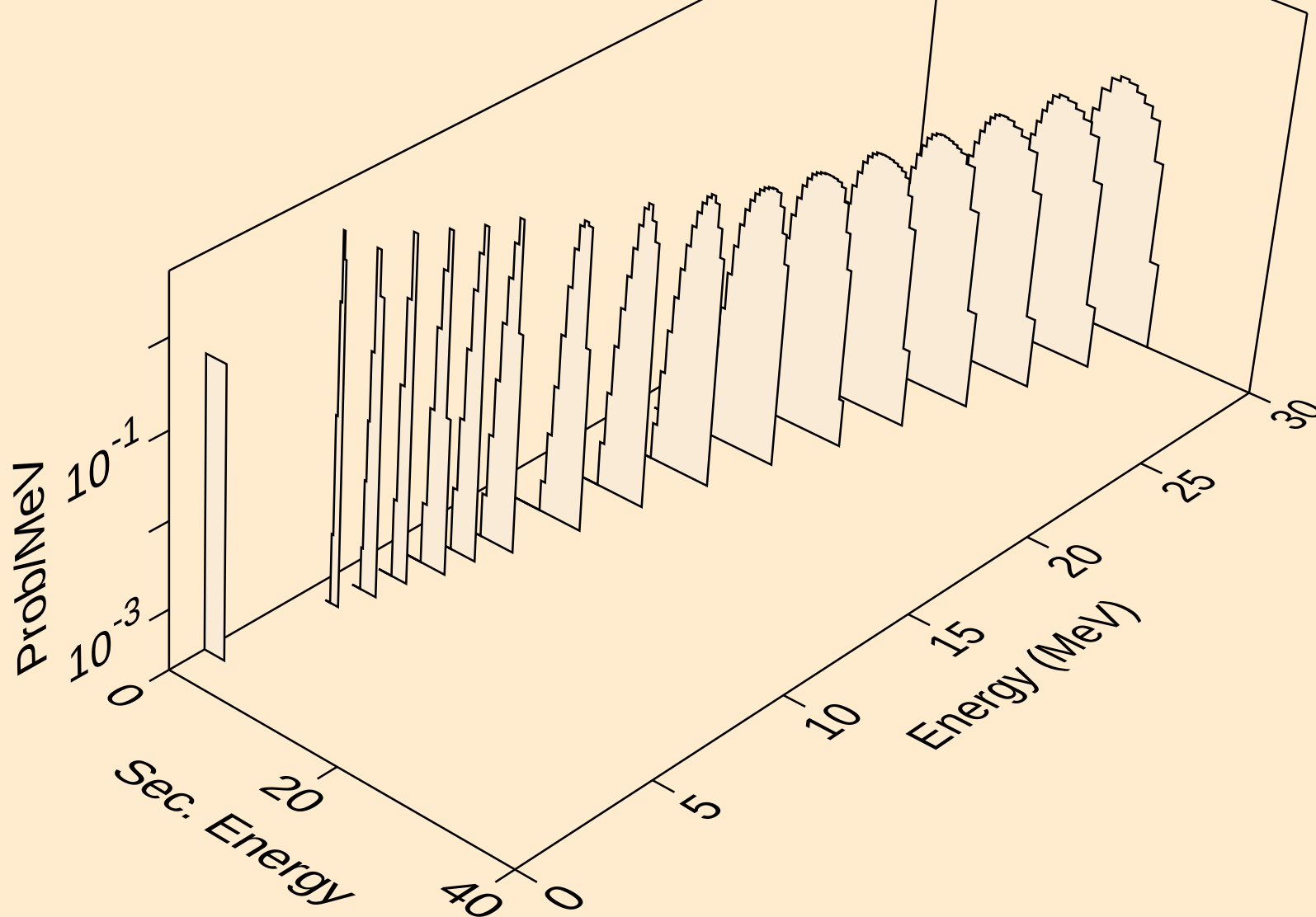
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he3s from (p,he3)



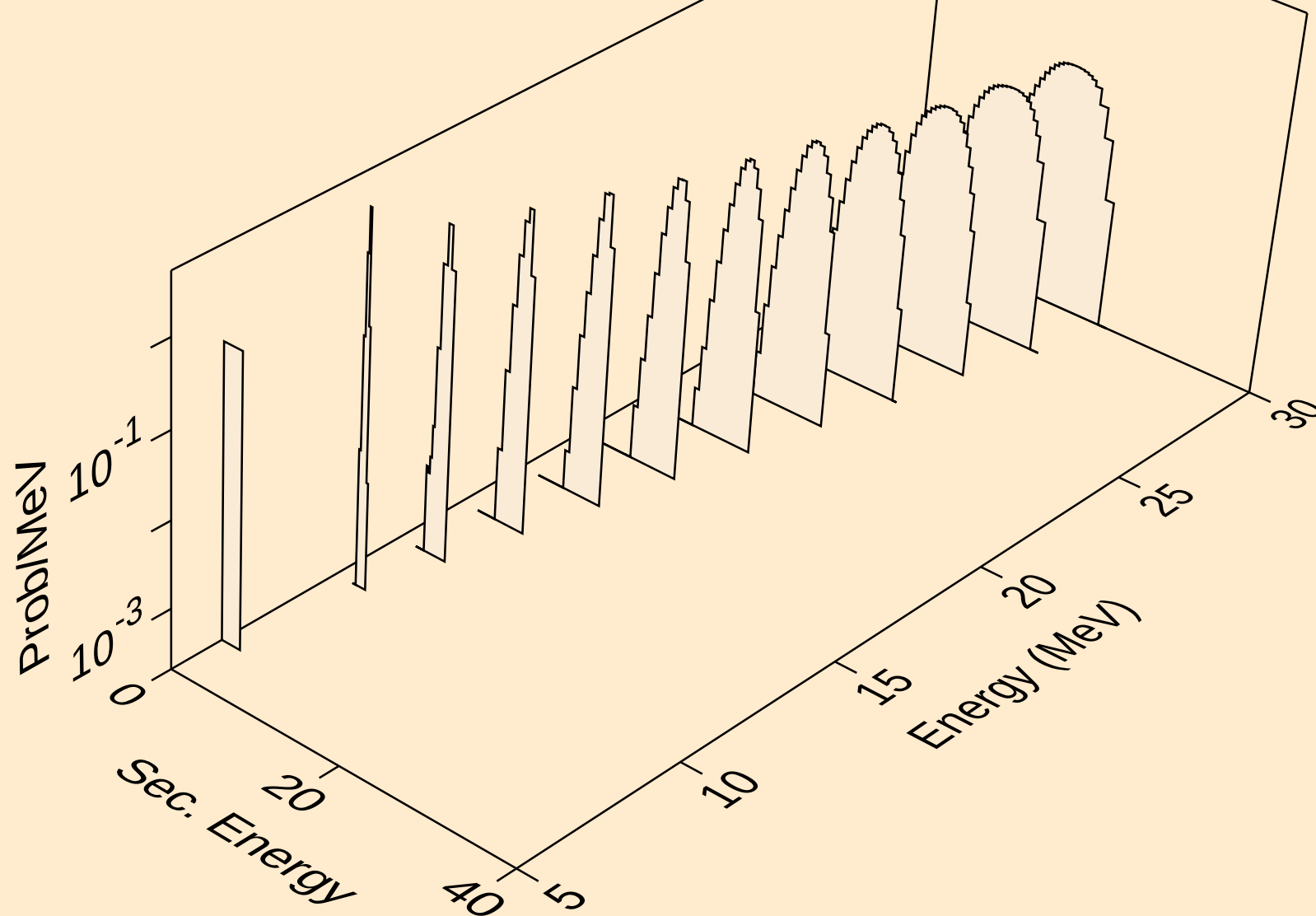
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,x)



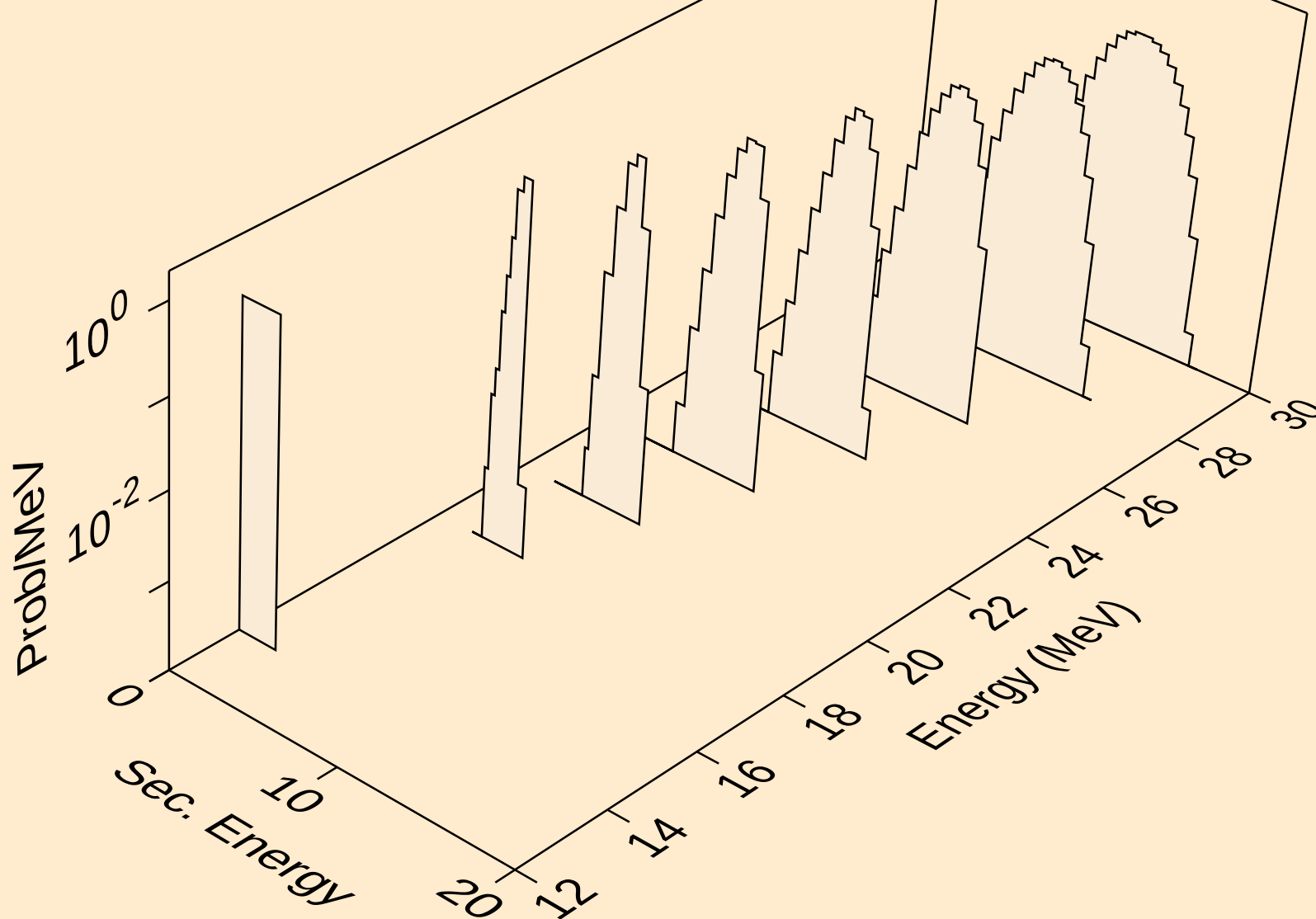
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,n*)a



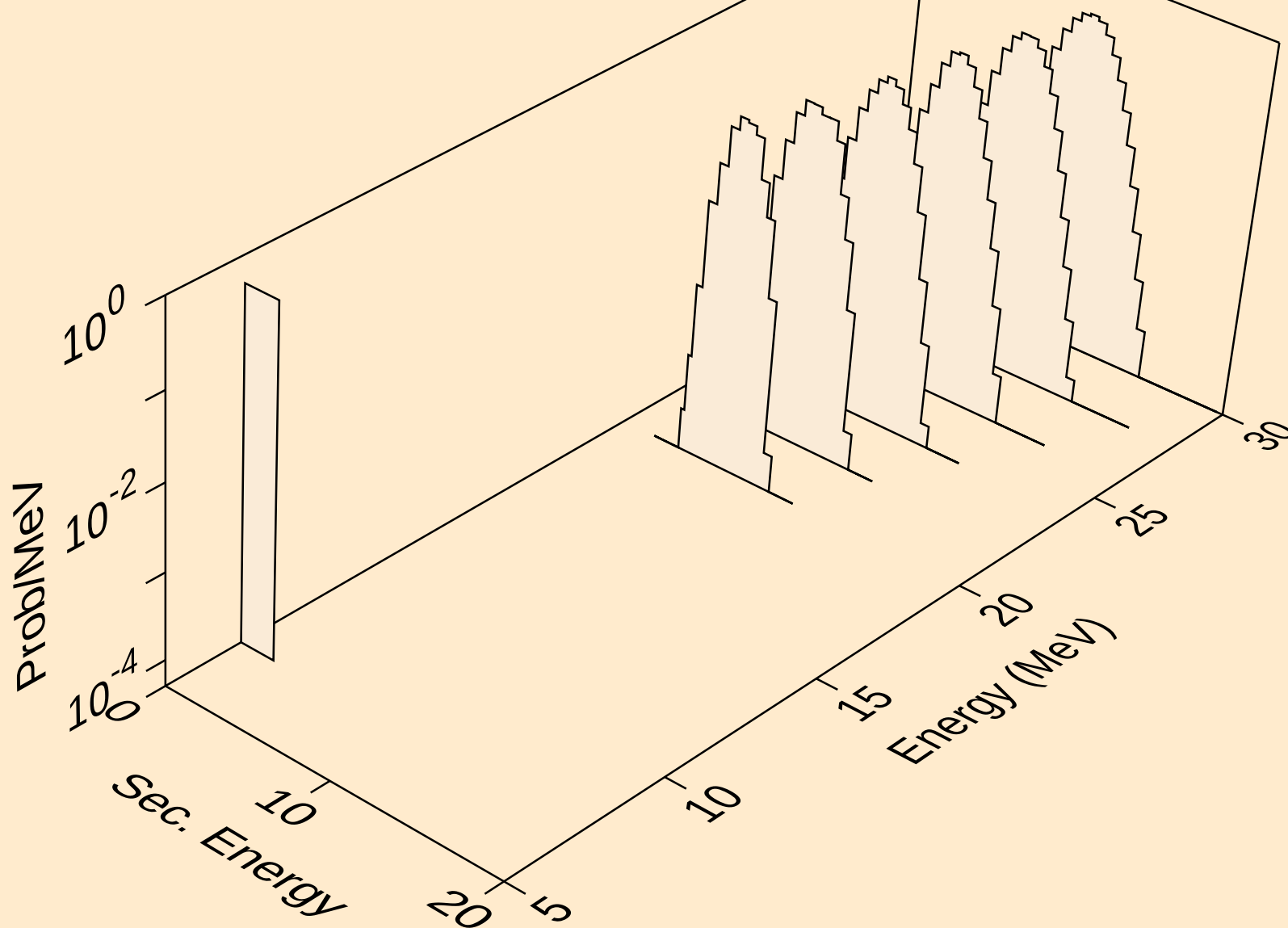
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,2n)a



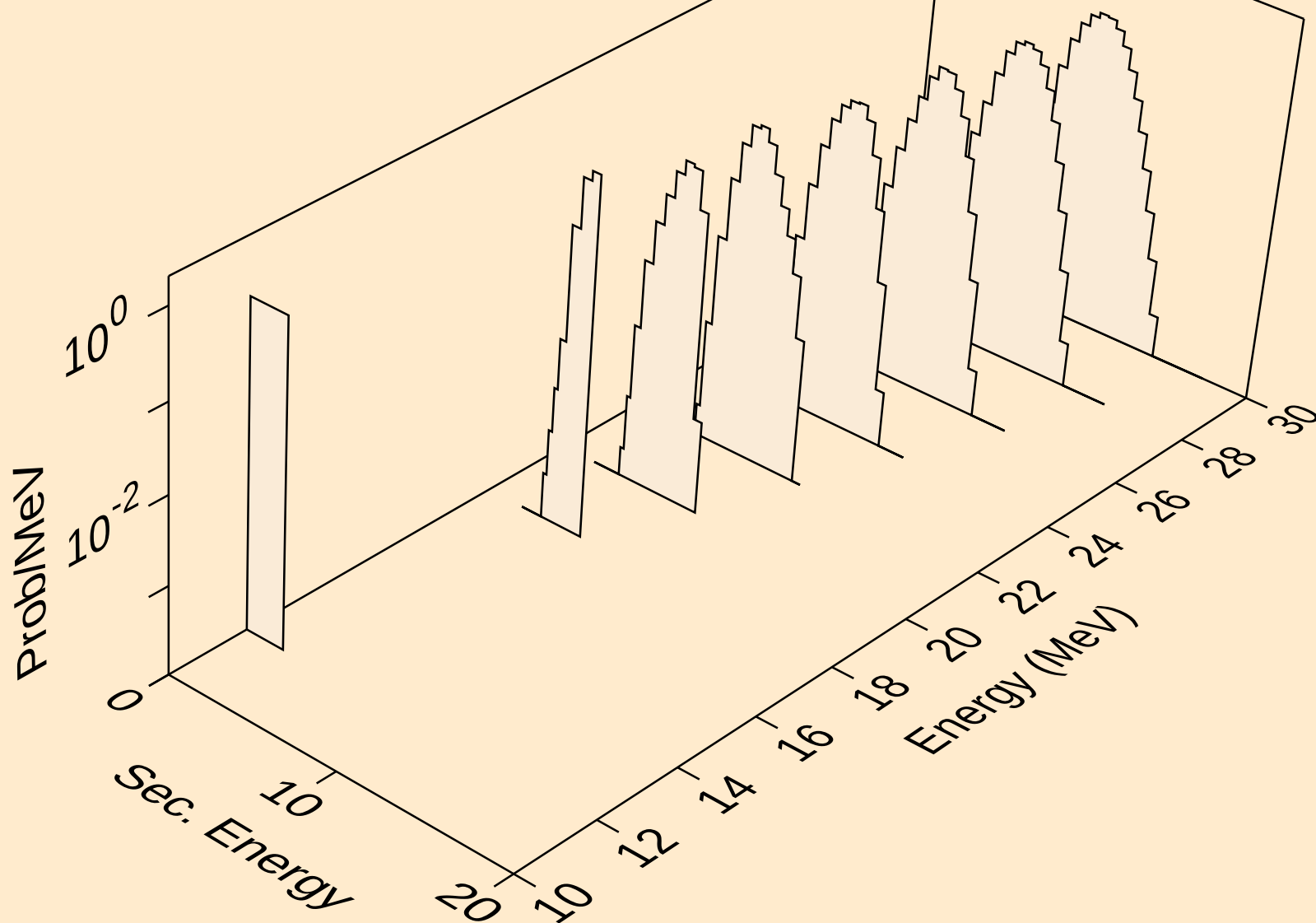
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alphas from (p,3n)a



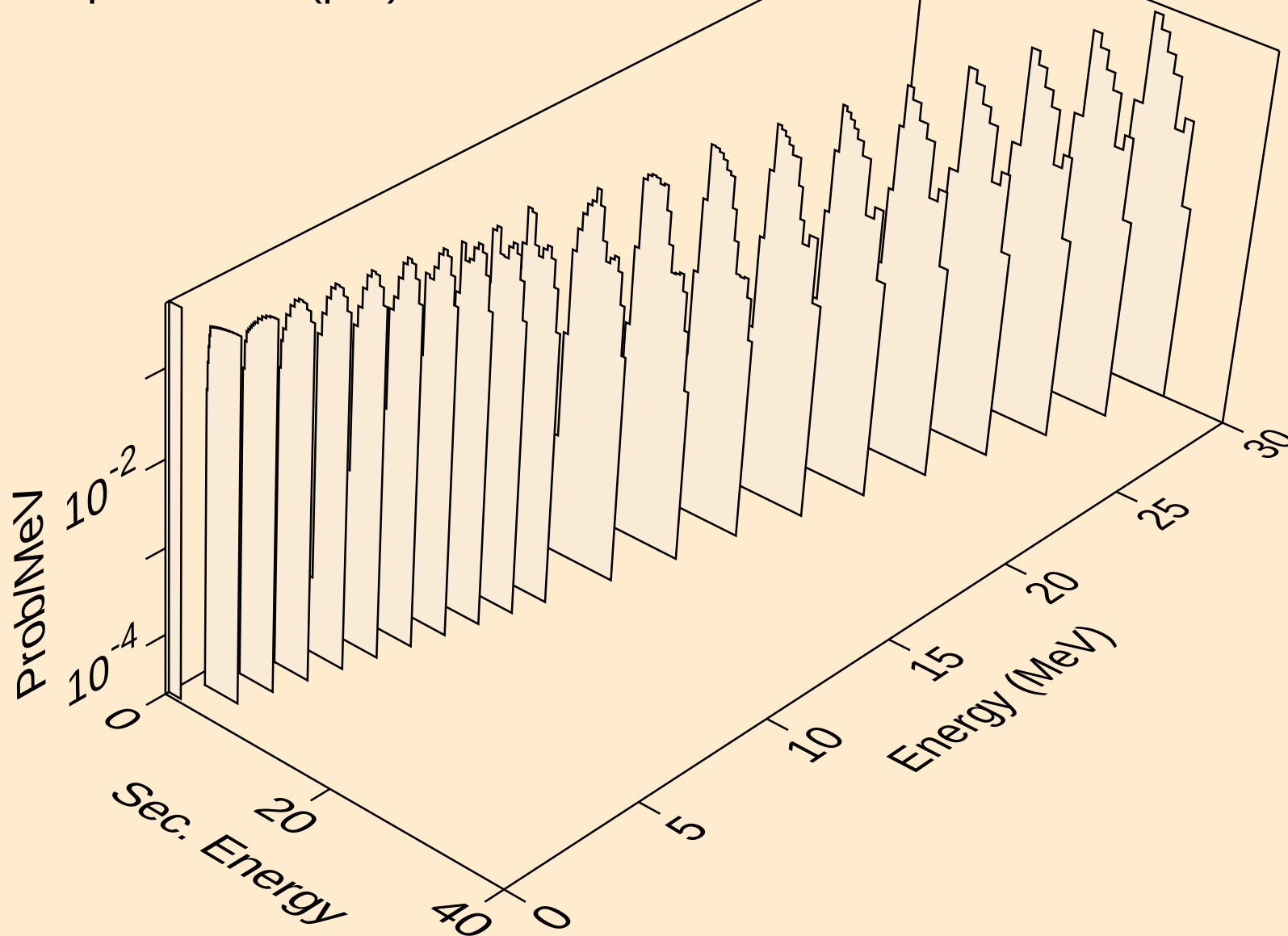
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,n*)2a



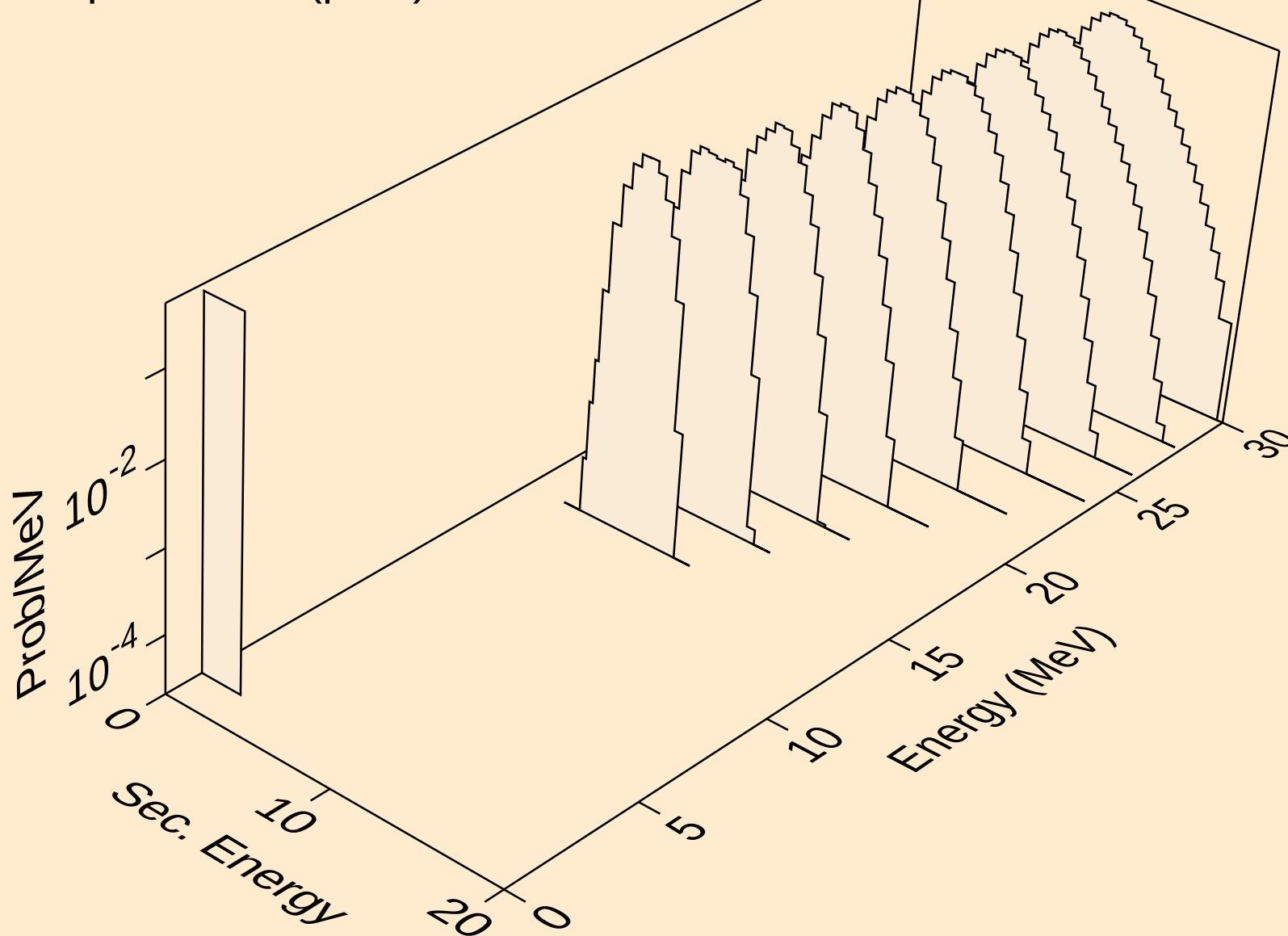
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,npa)



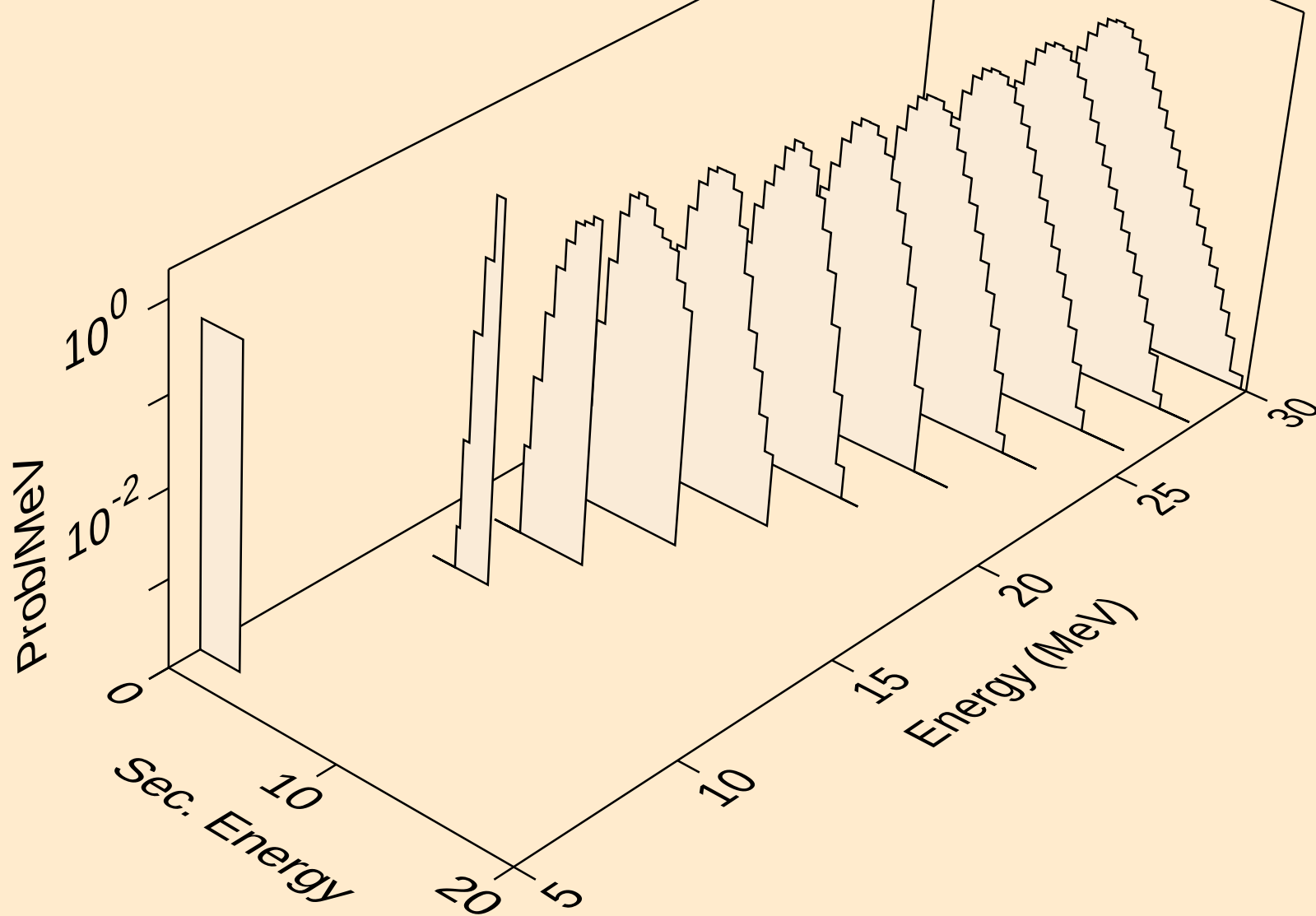
ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,a)



ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,2a)



ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,pa)



ZR100 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,da)

