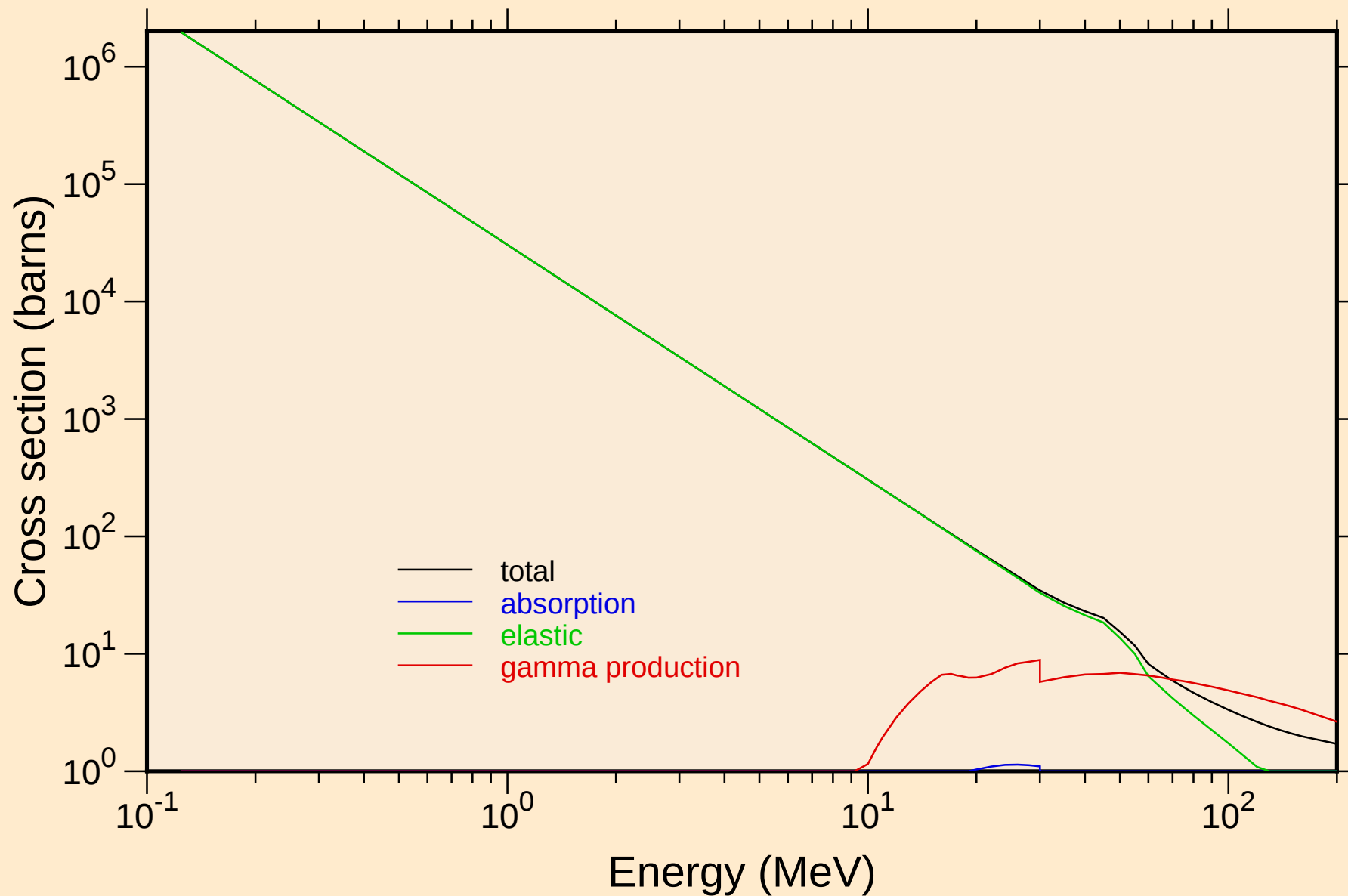


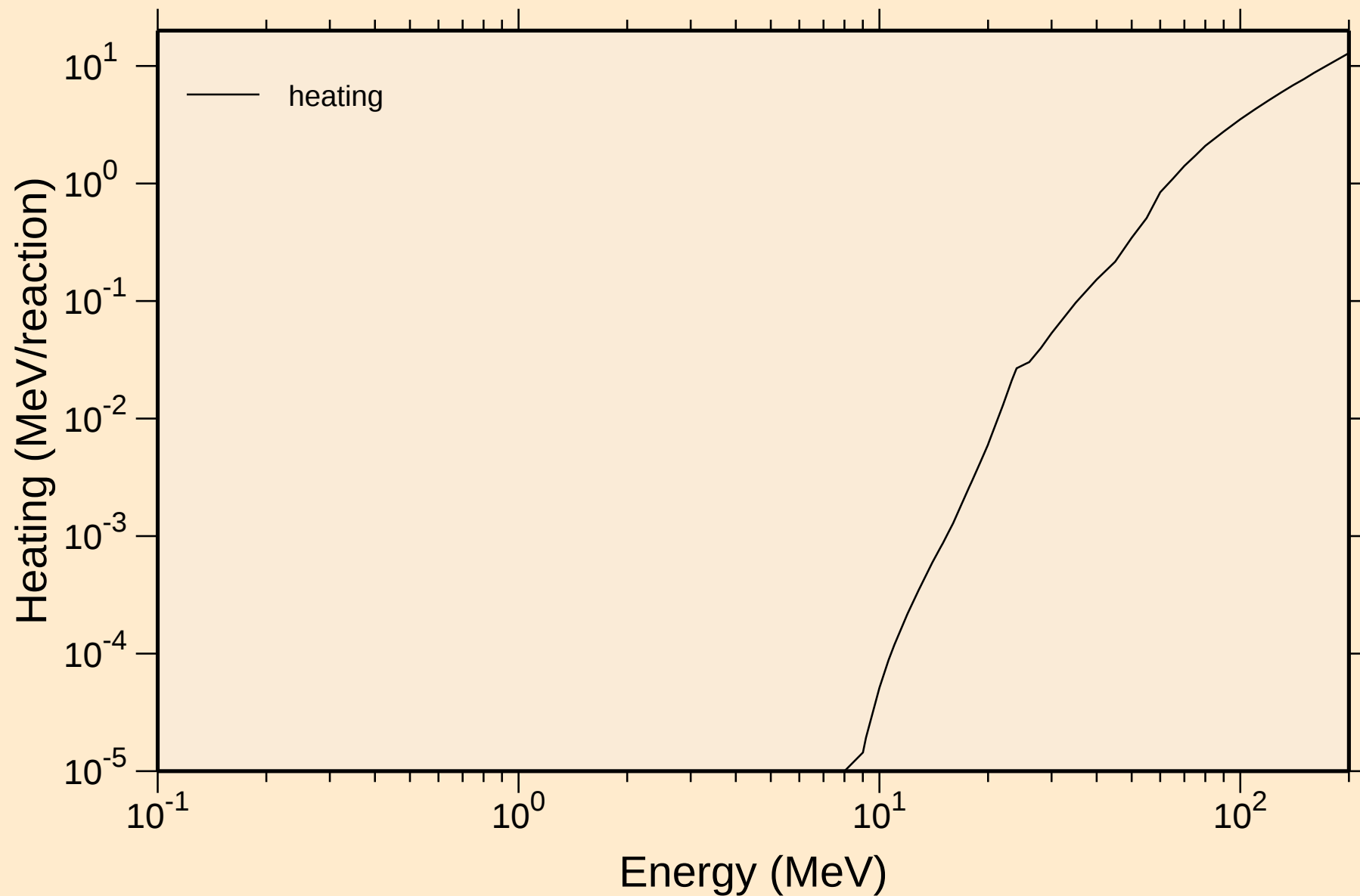
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



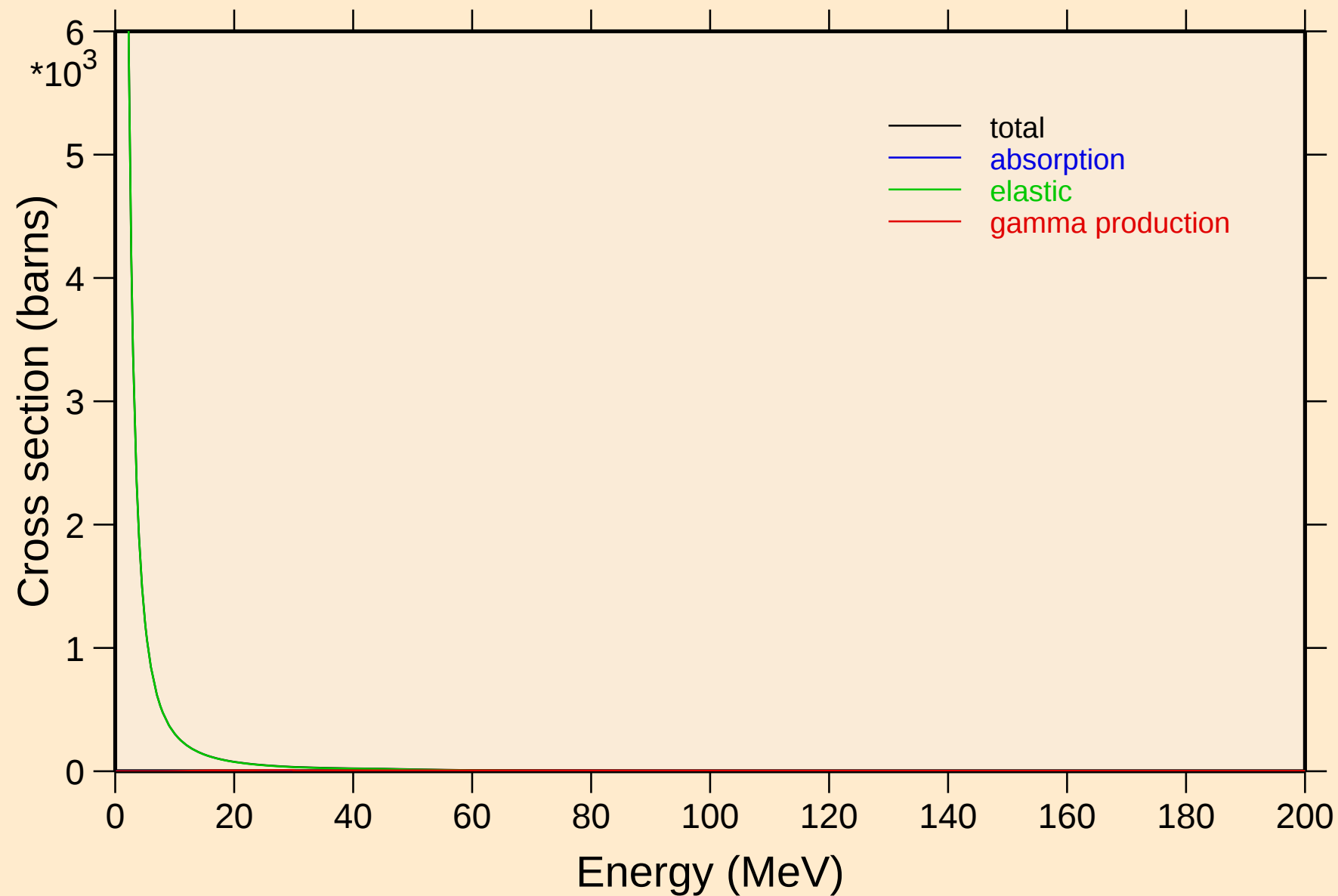
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



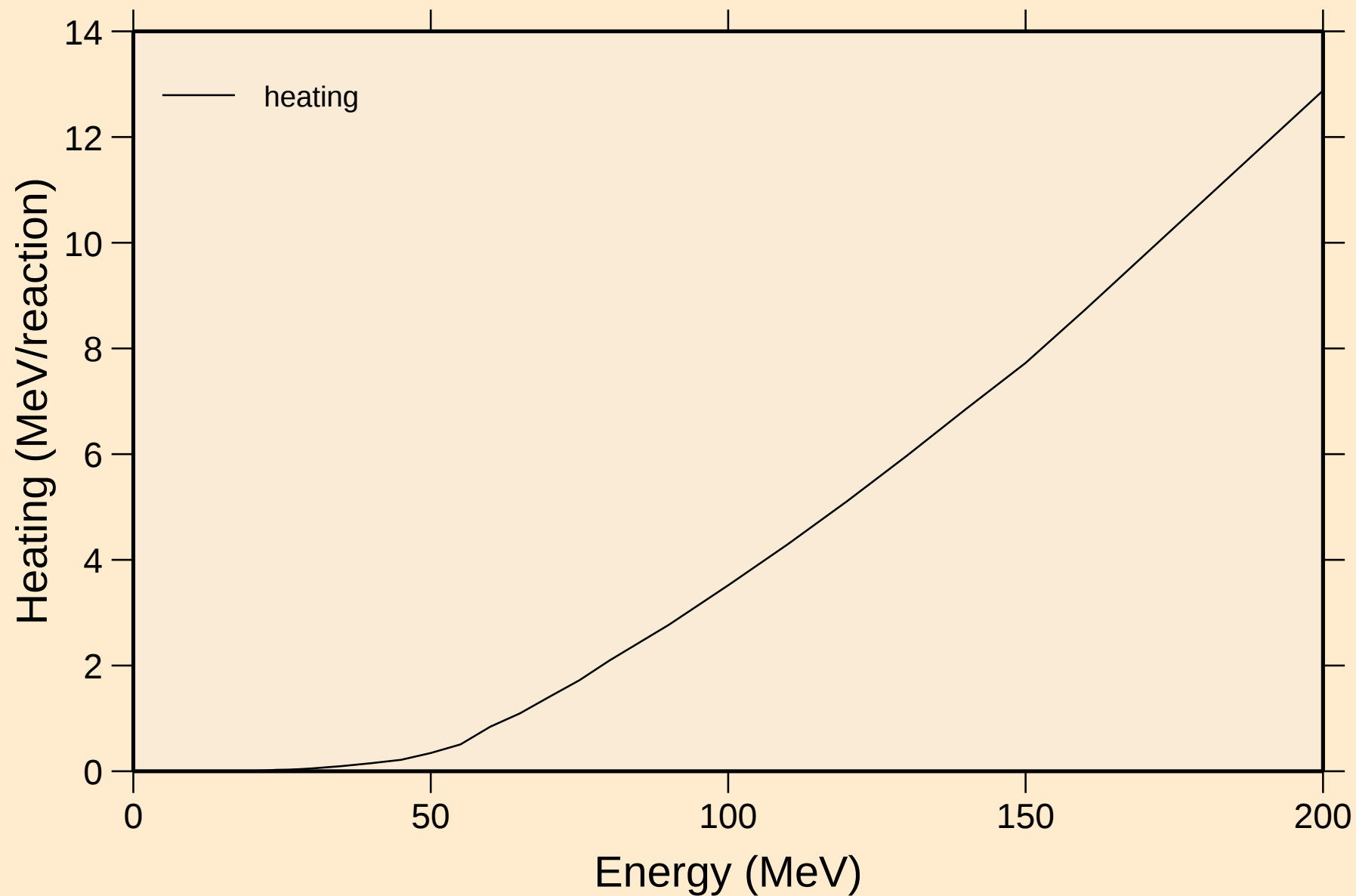
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



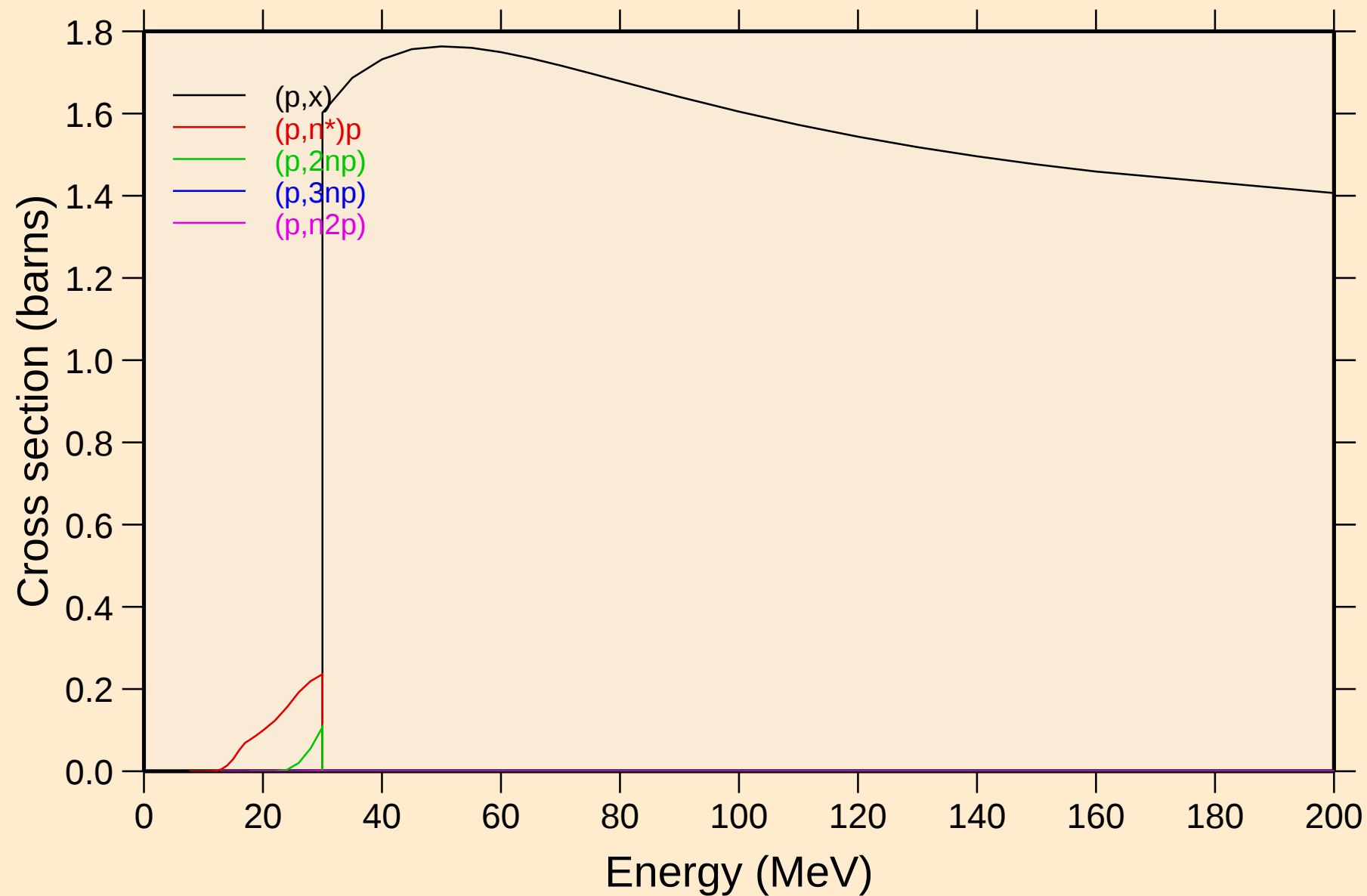
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



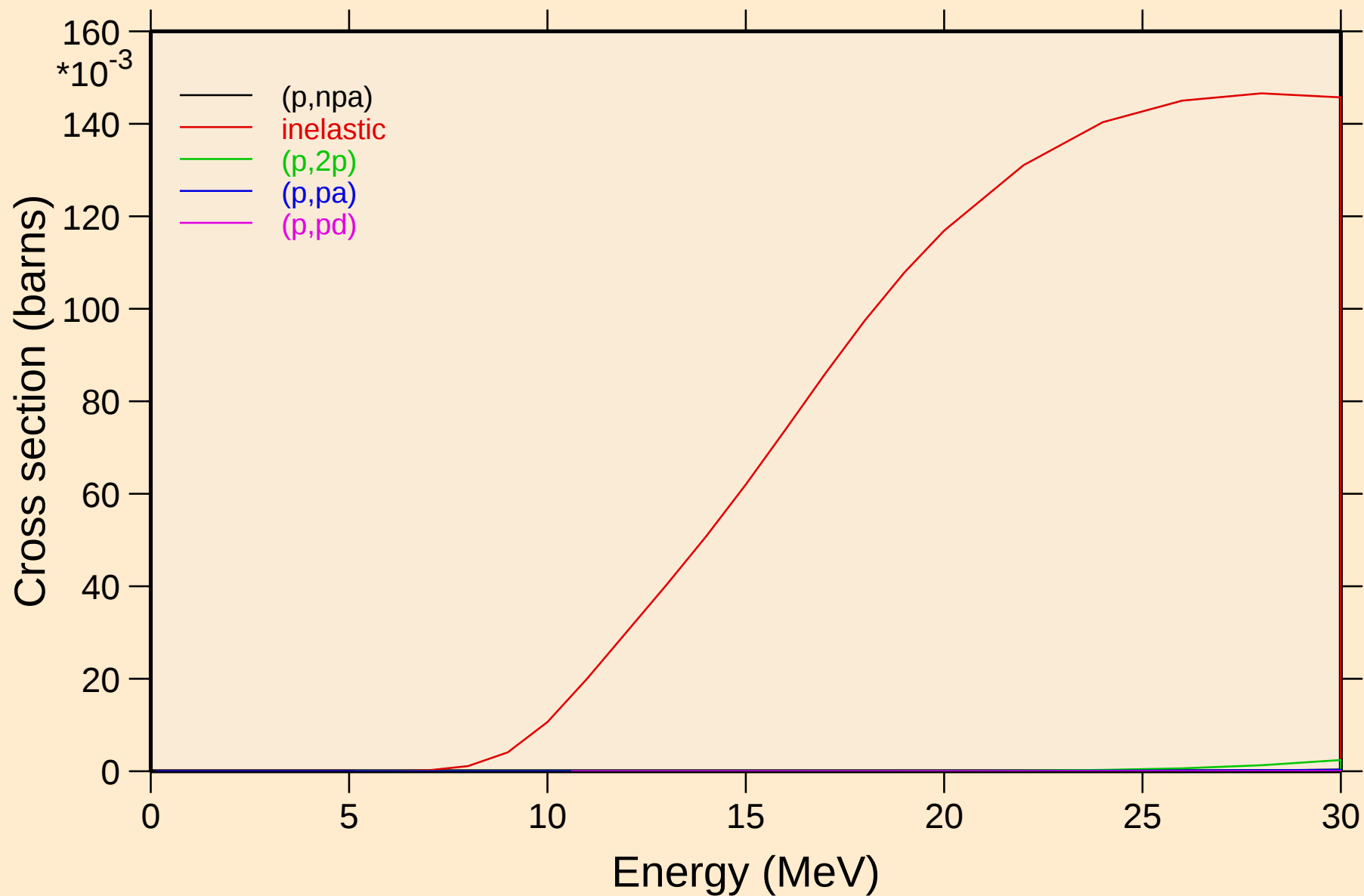
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Threshold reactions



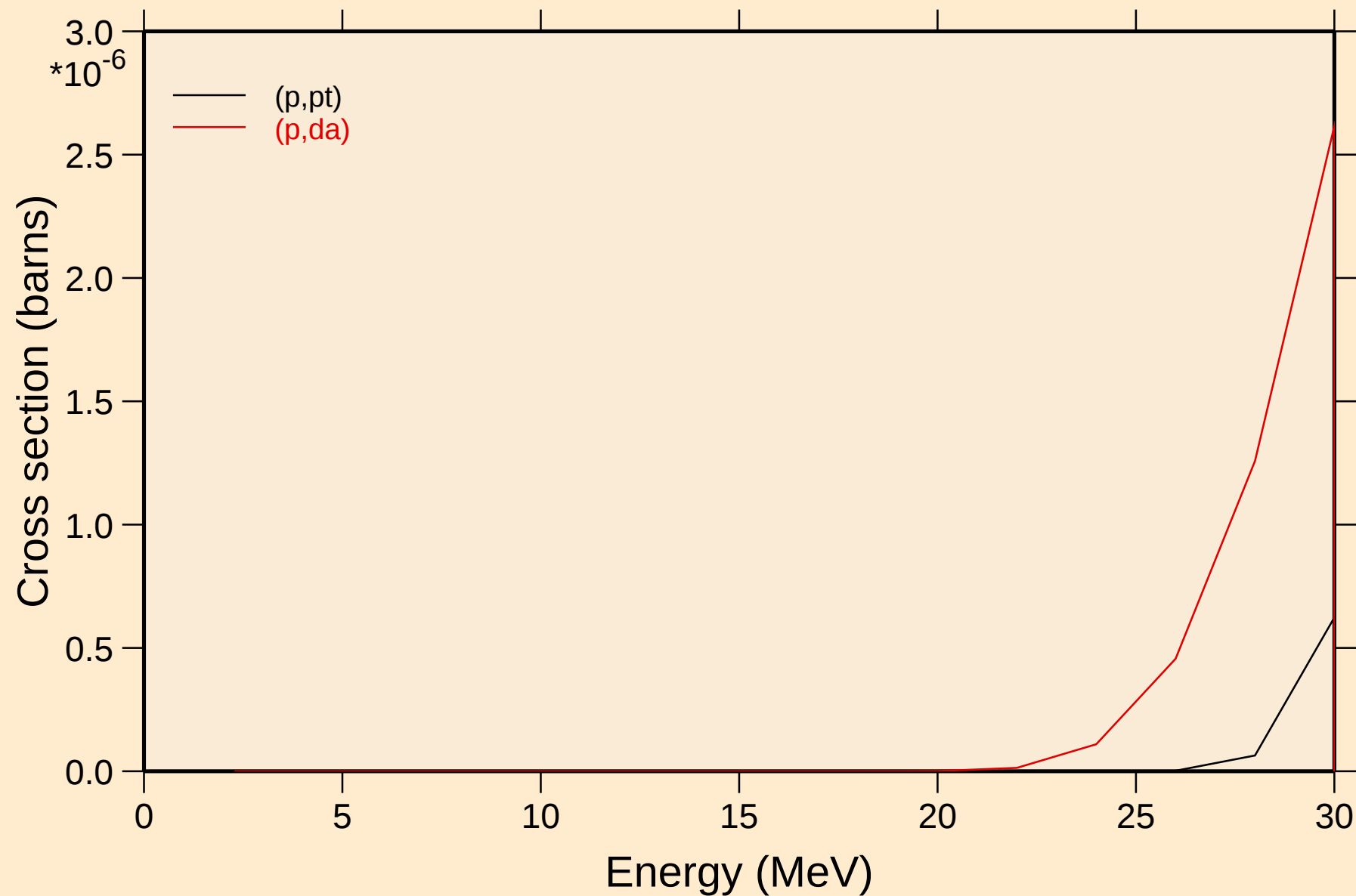
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

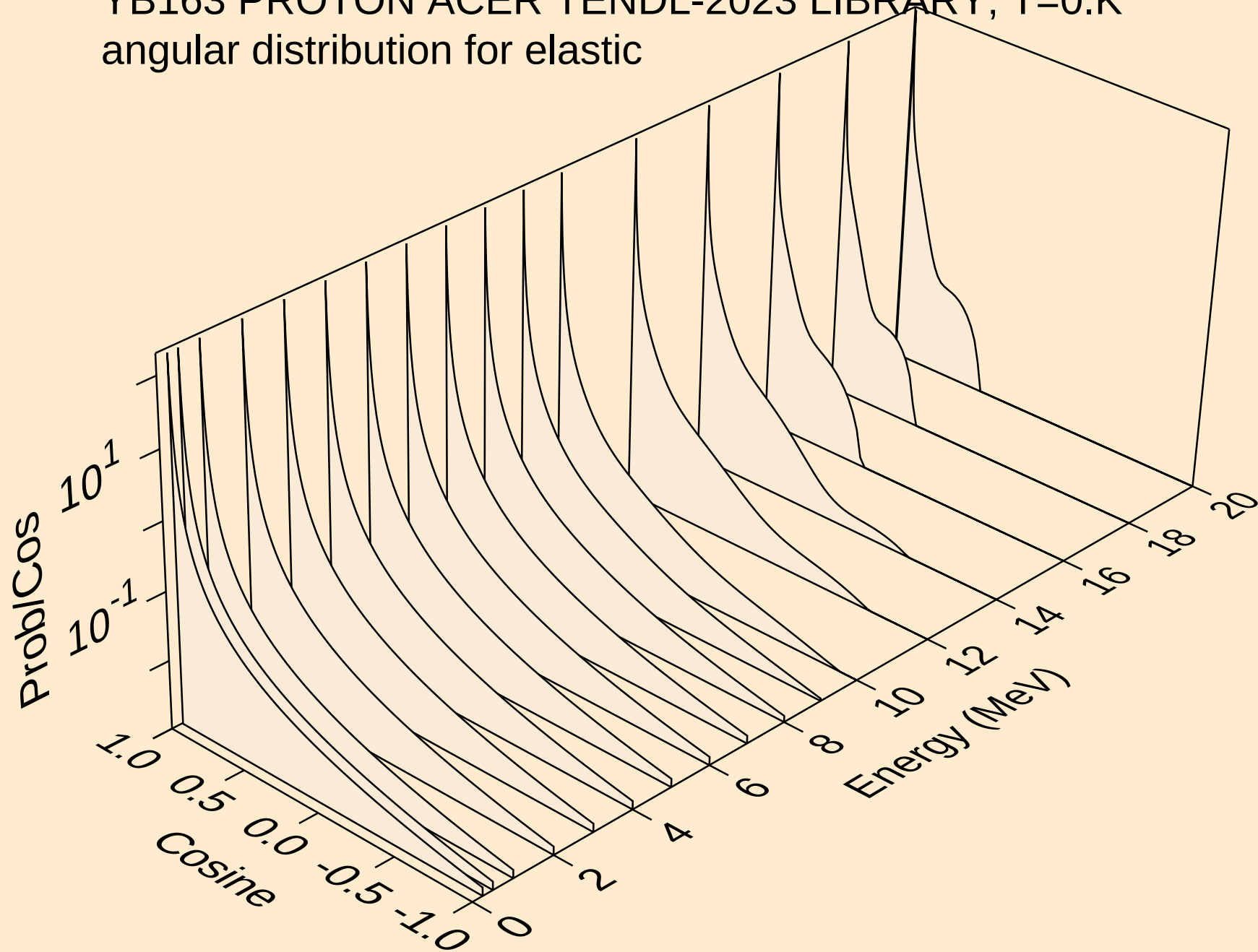


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

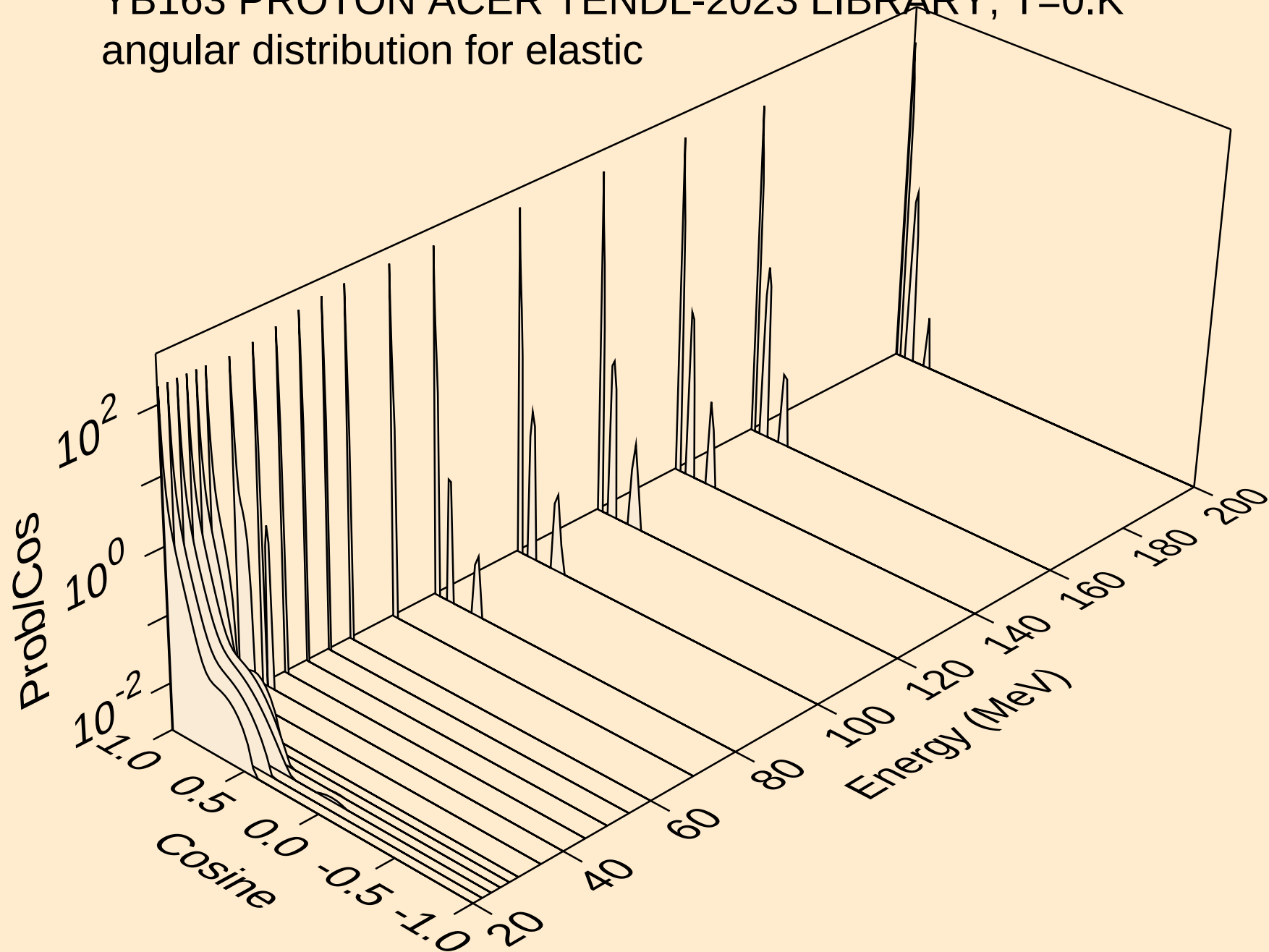
Threshold reactions



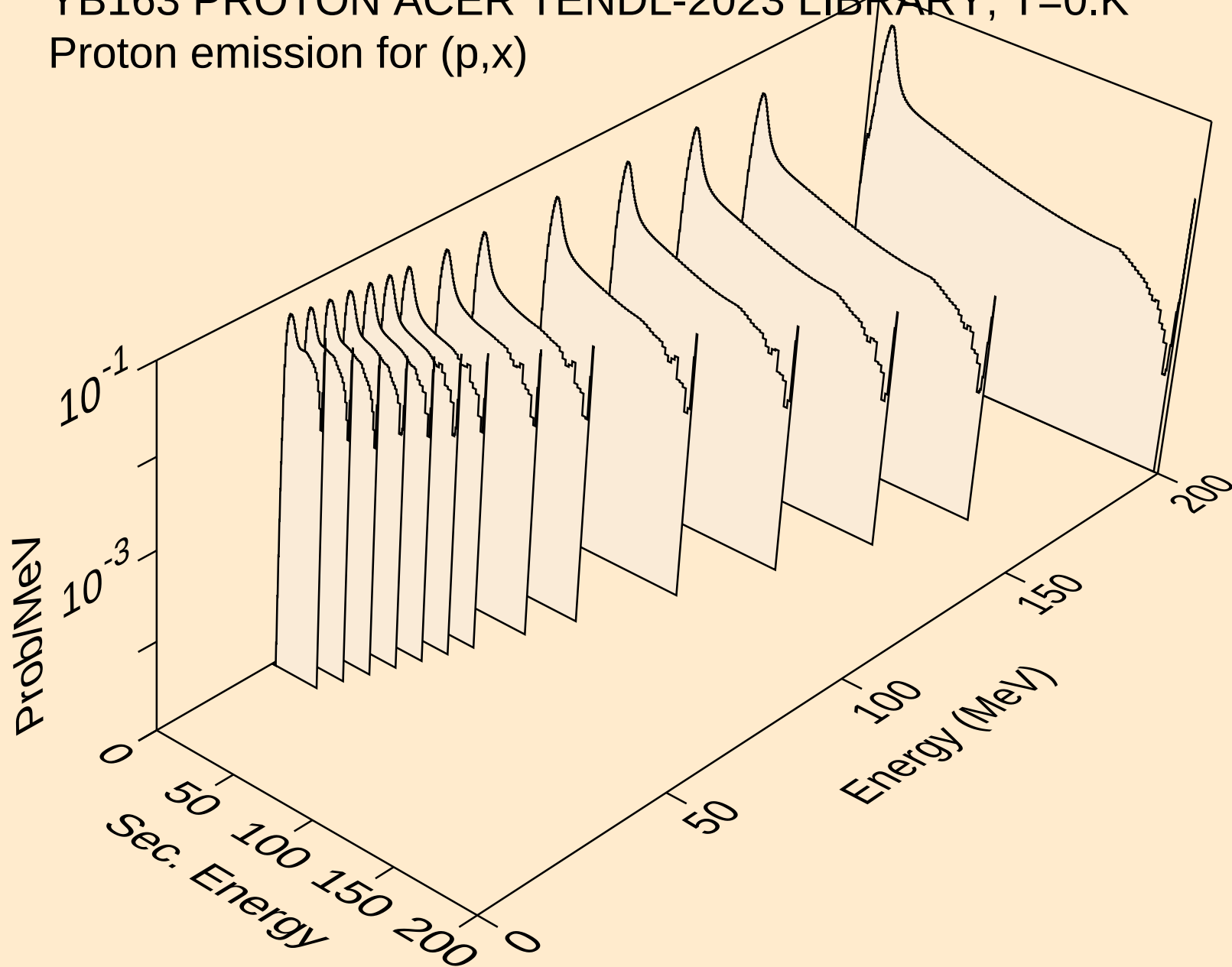
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

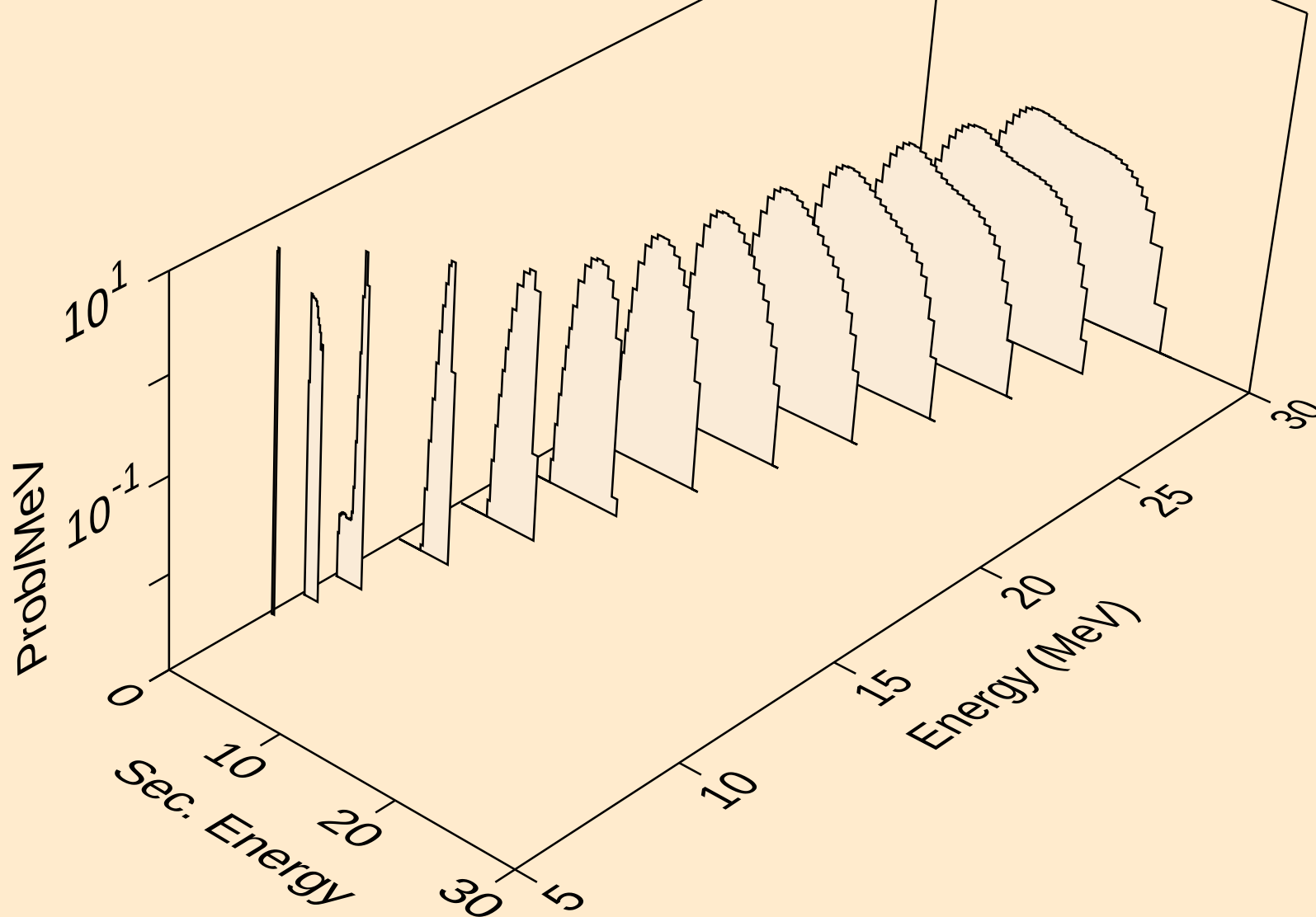


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)

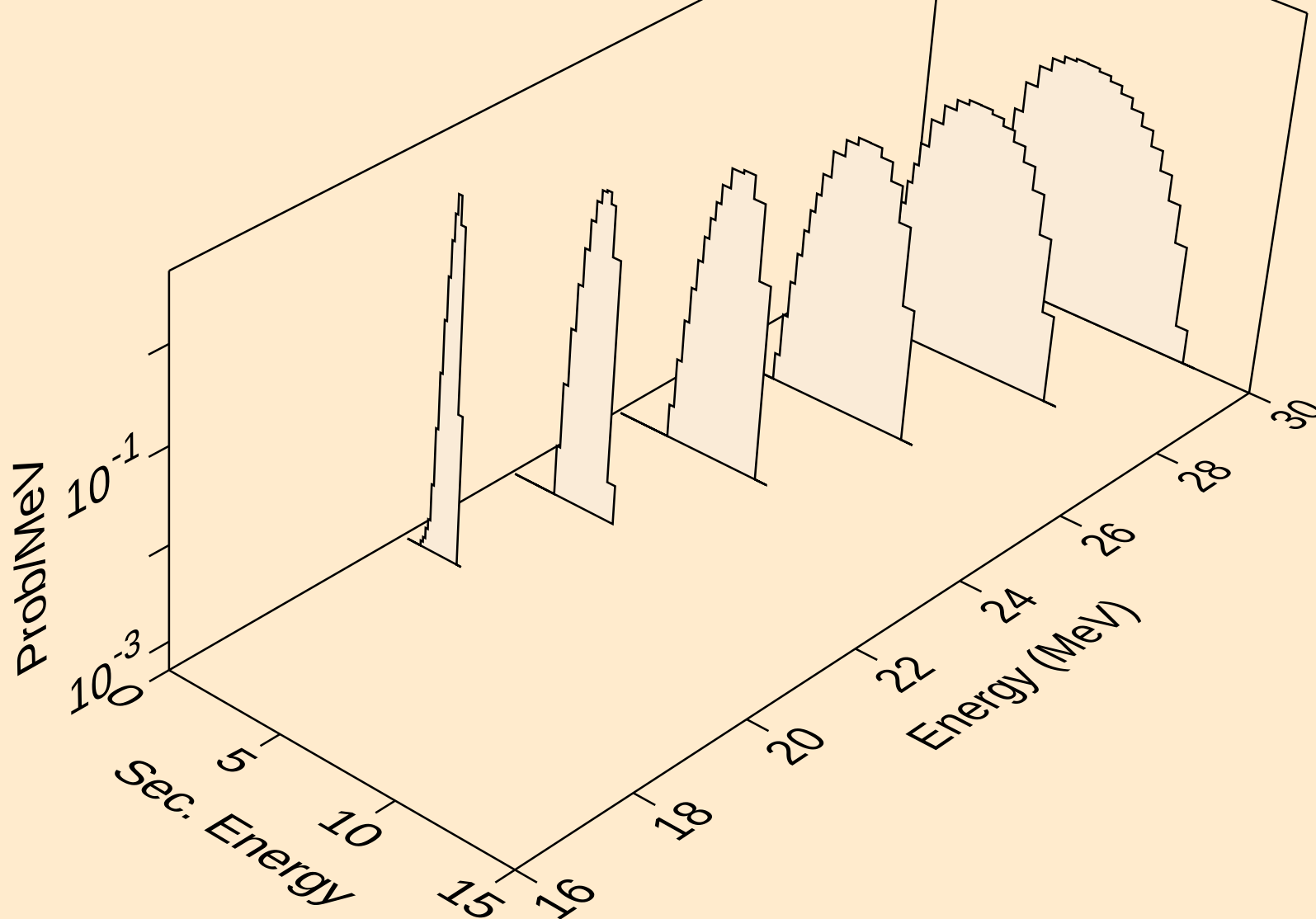


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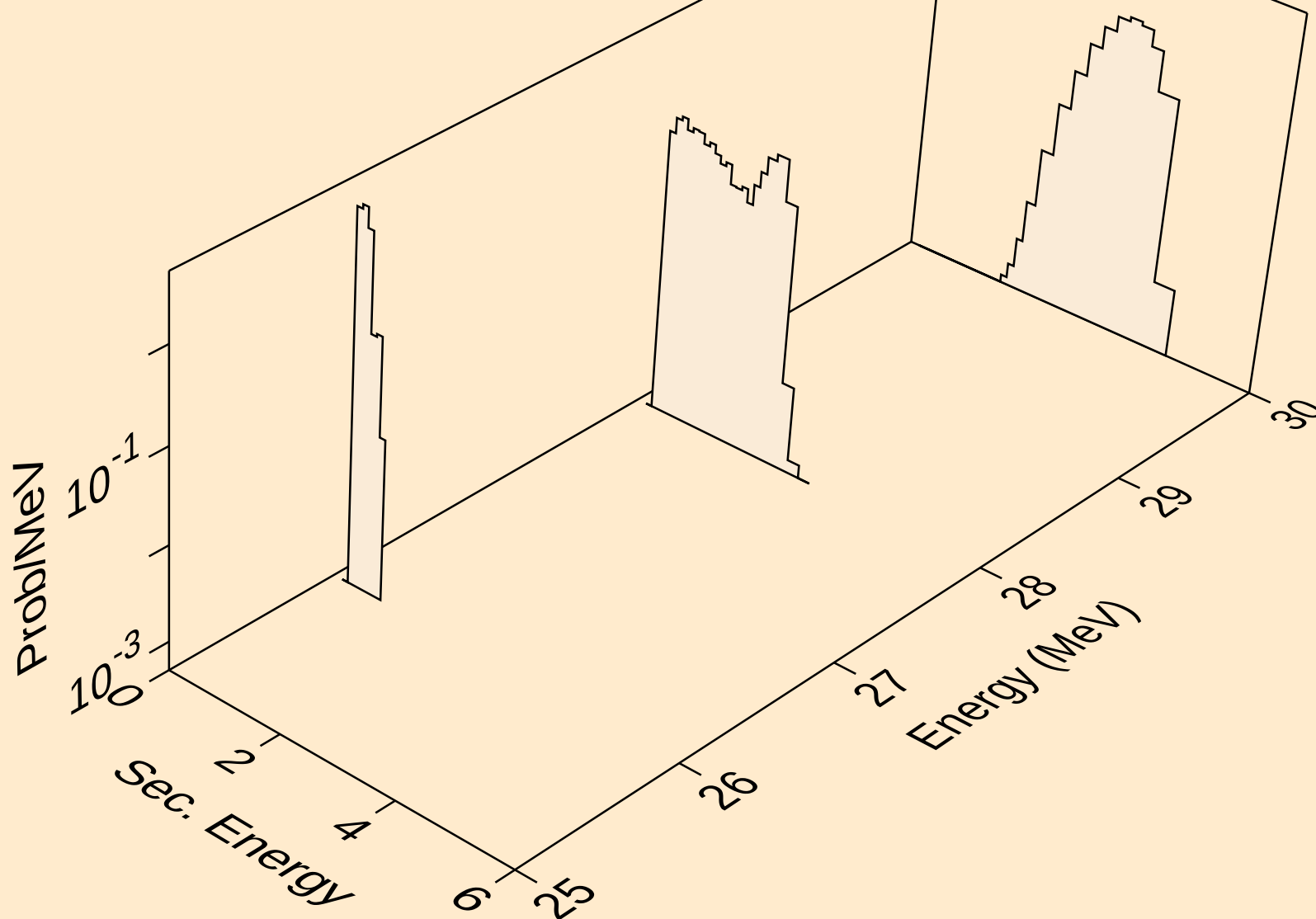
Proton emission for (p,n*)p



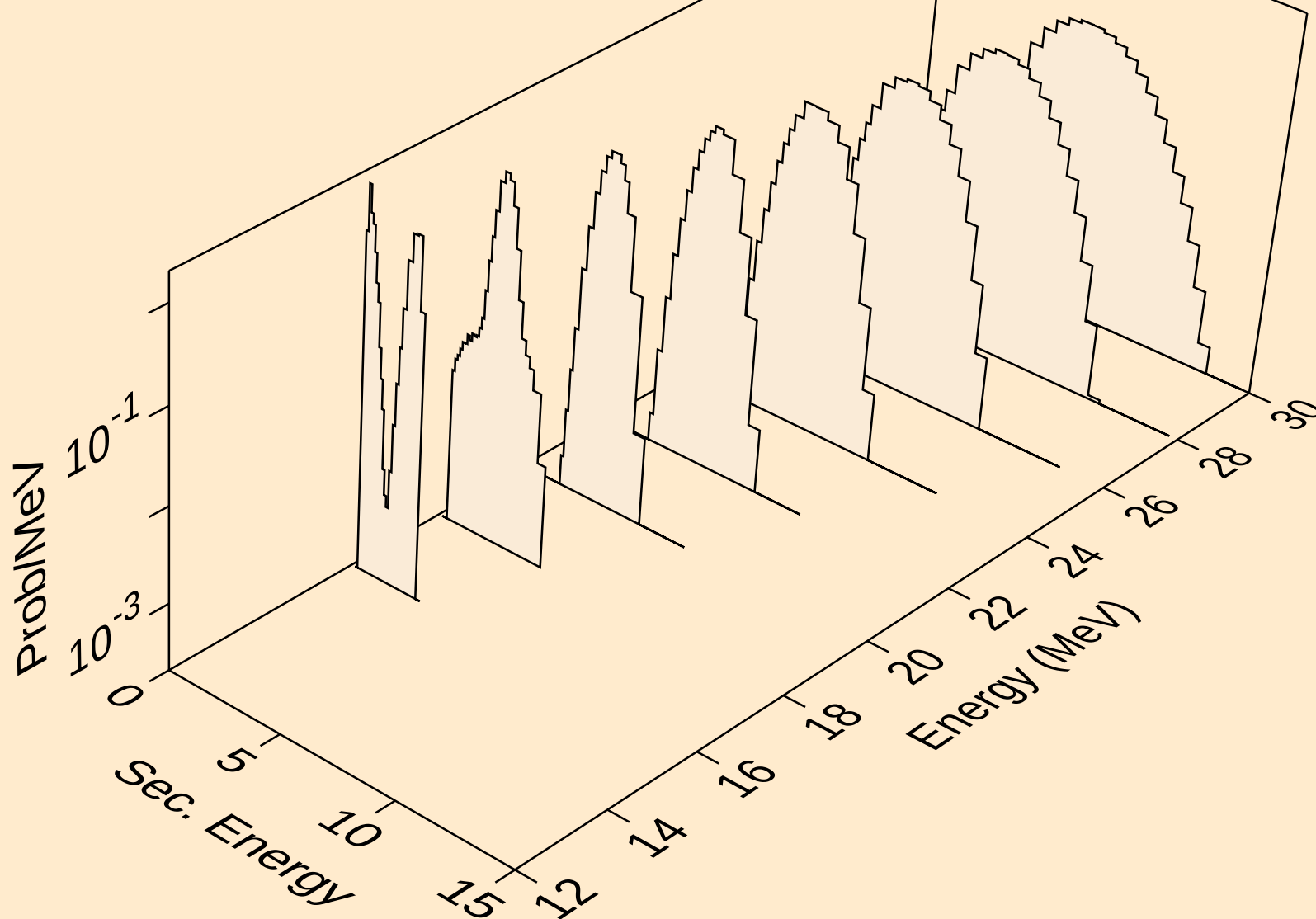
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)



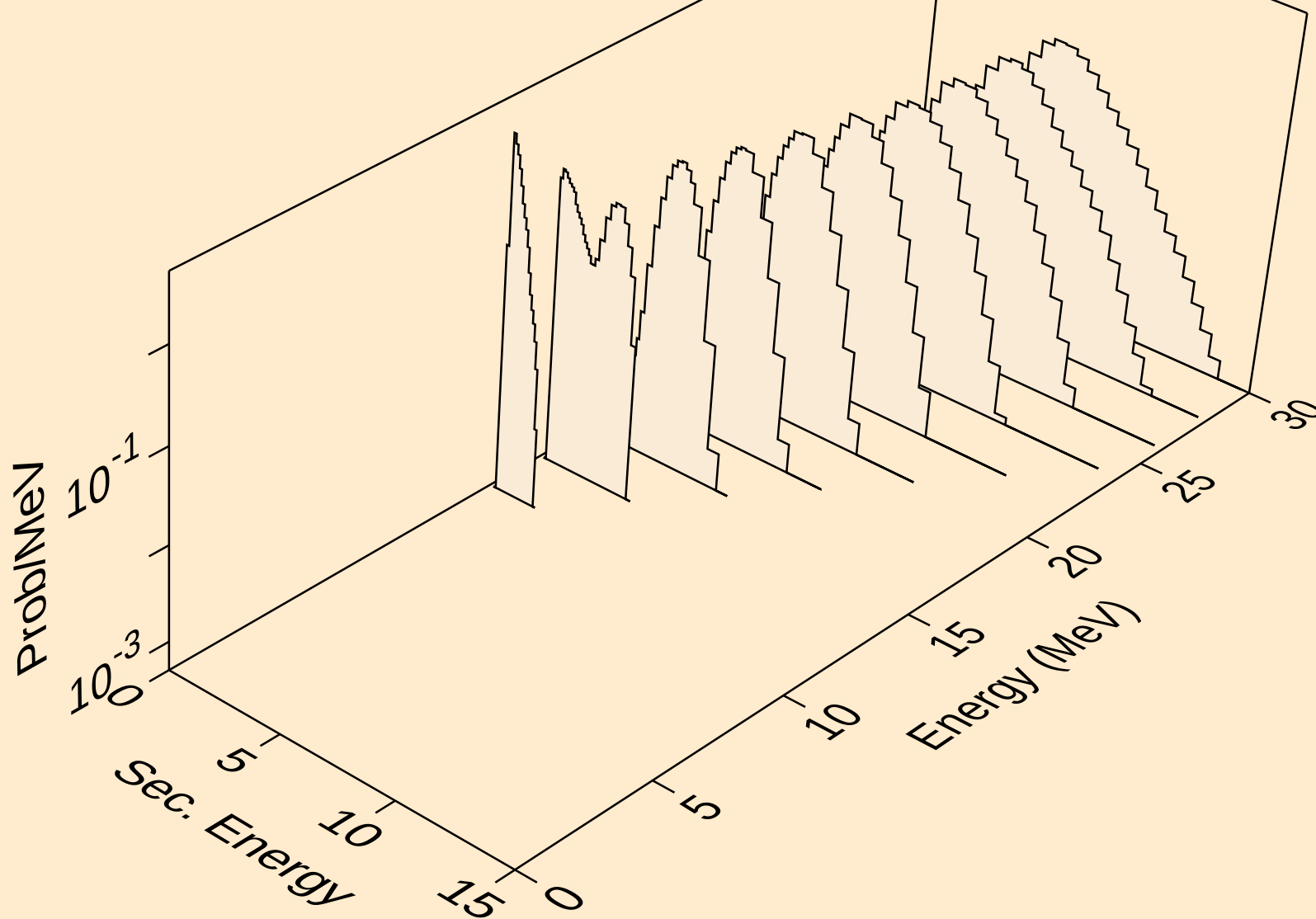
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,3np)



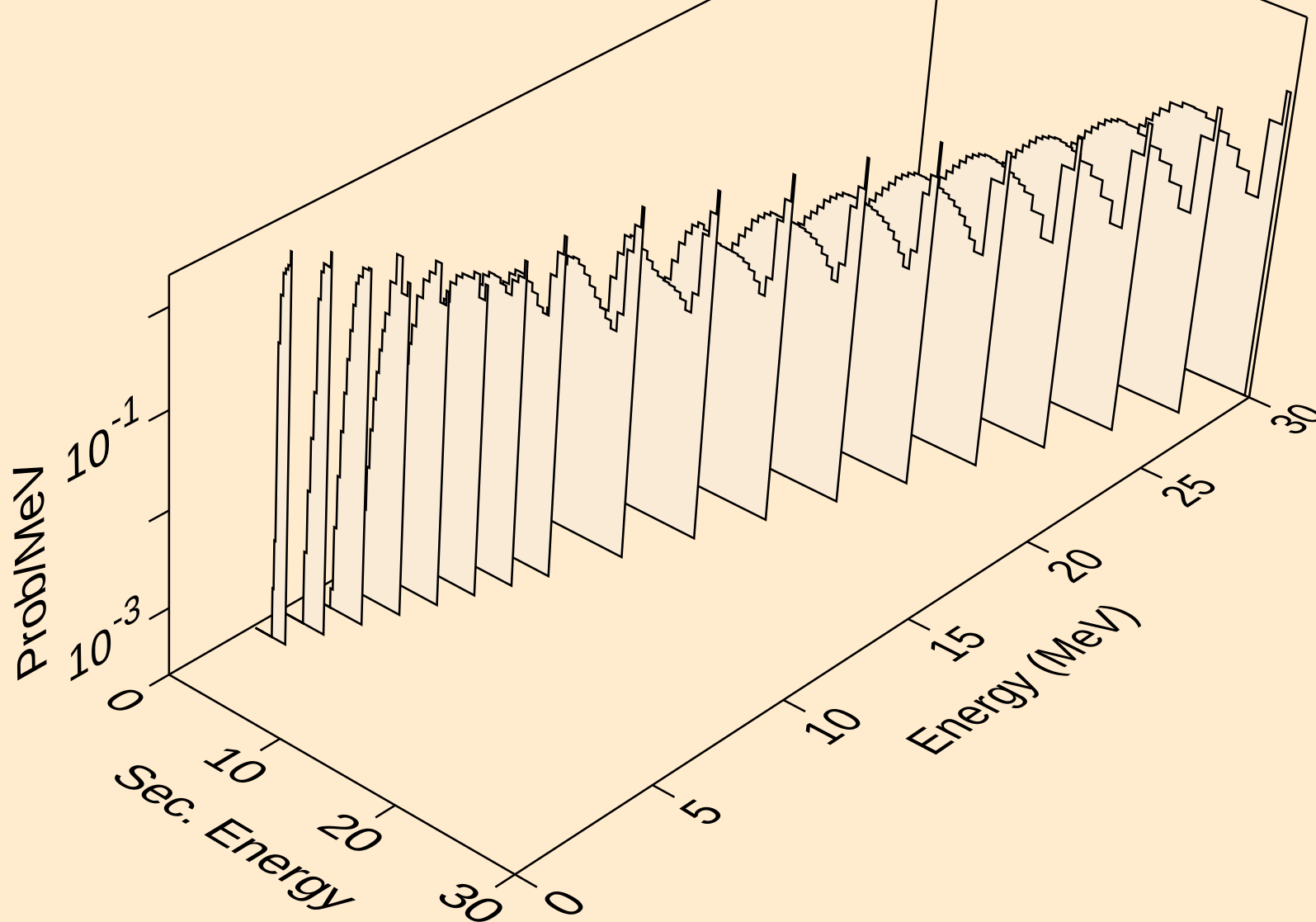
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n2p)



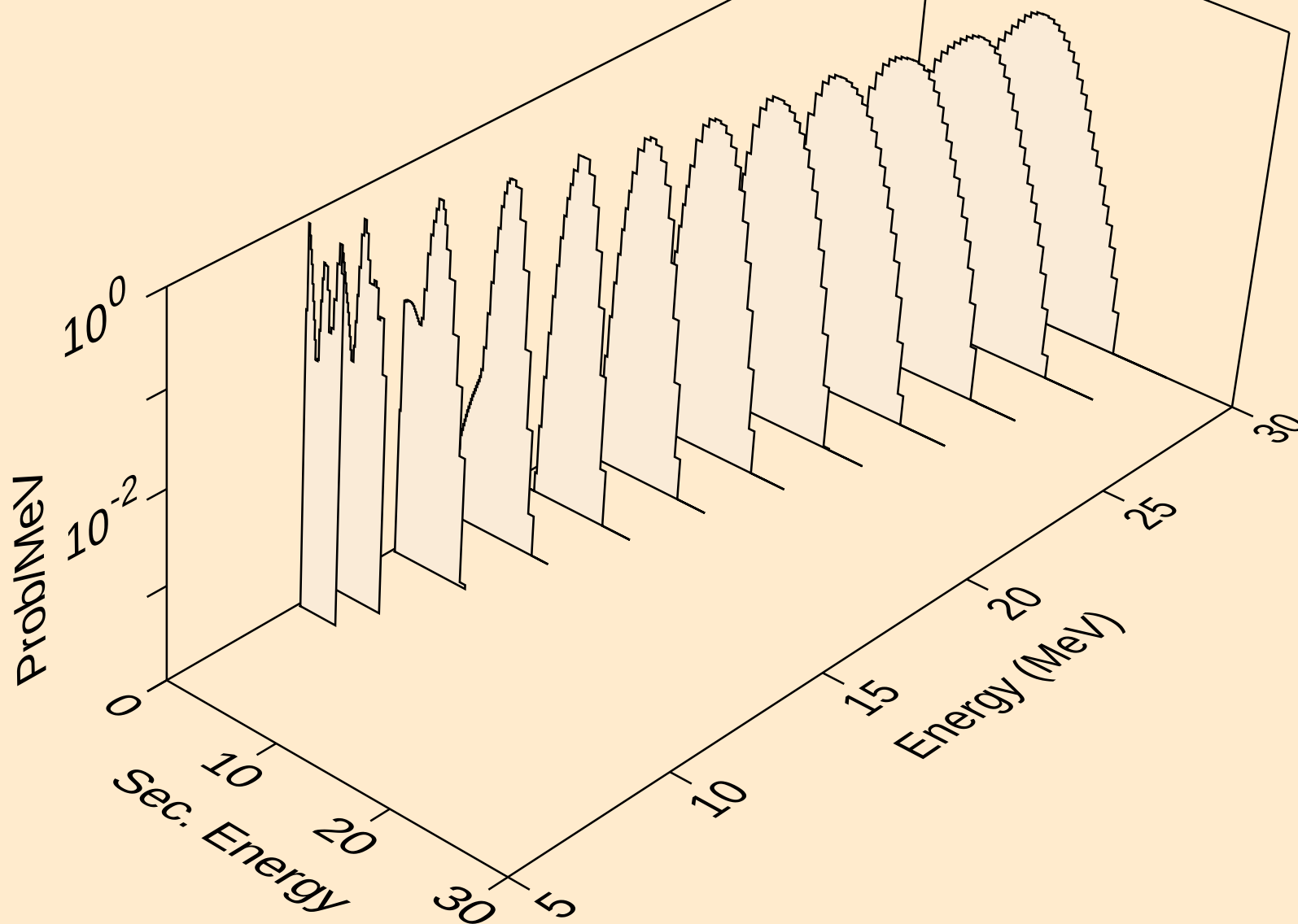
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)



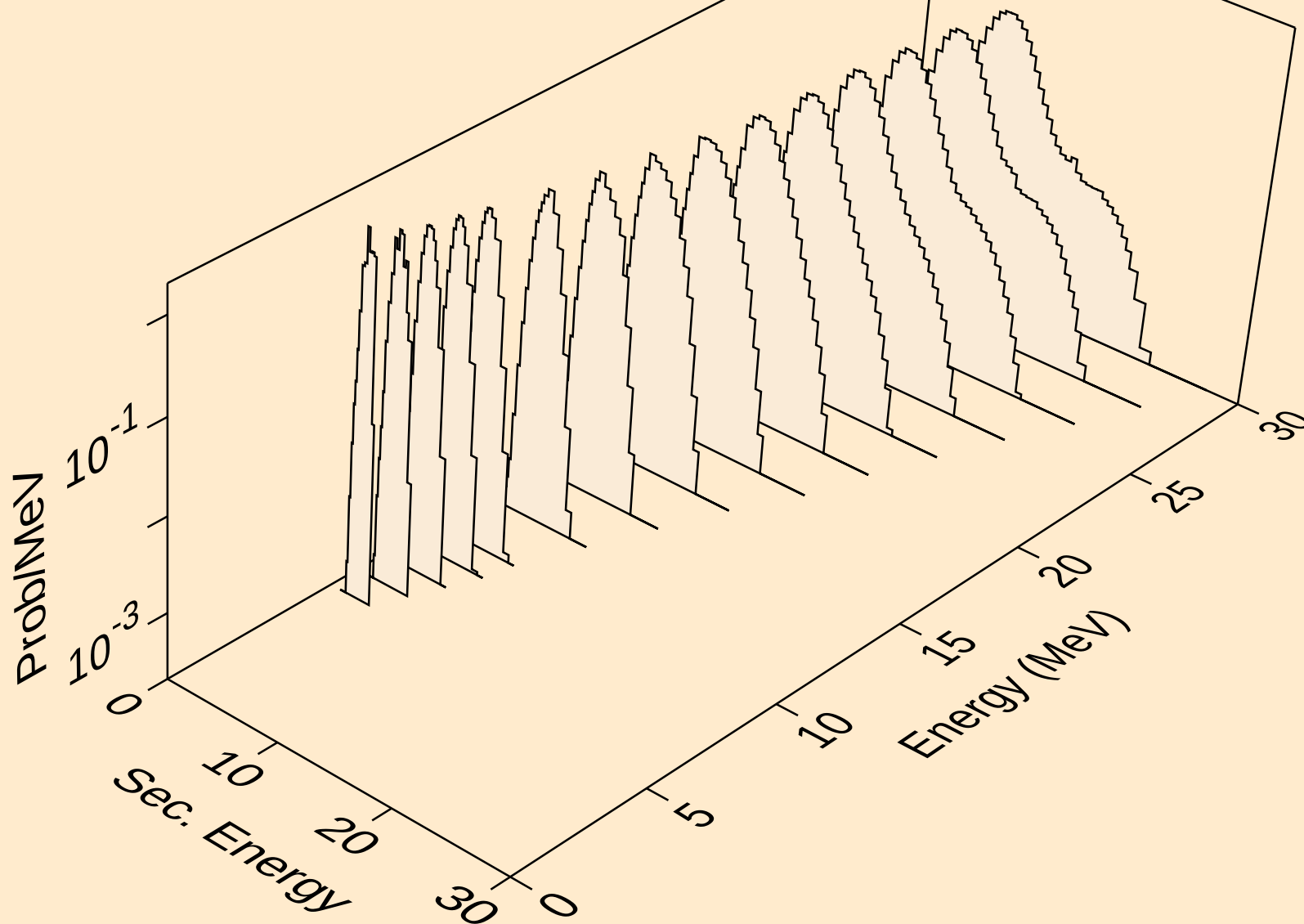
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2p)

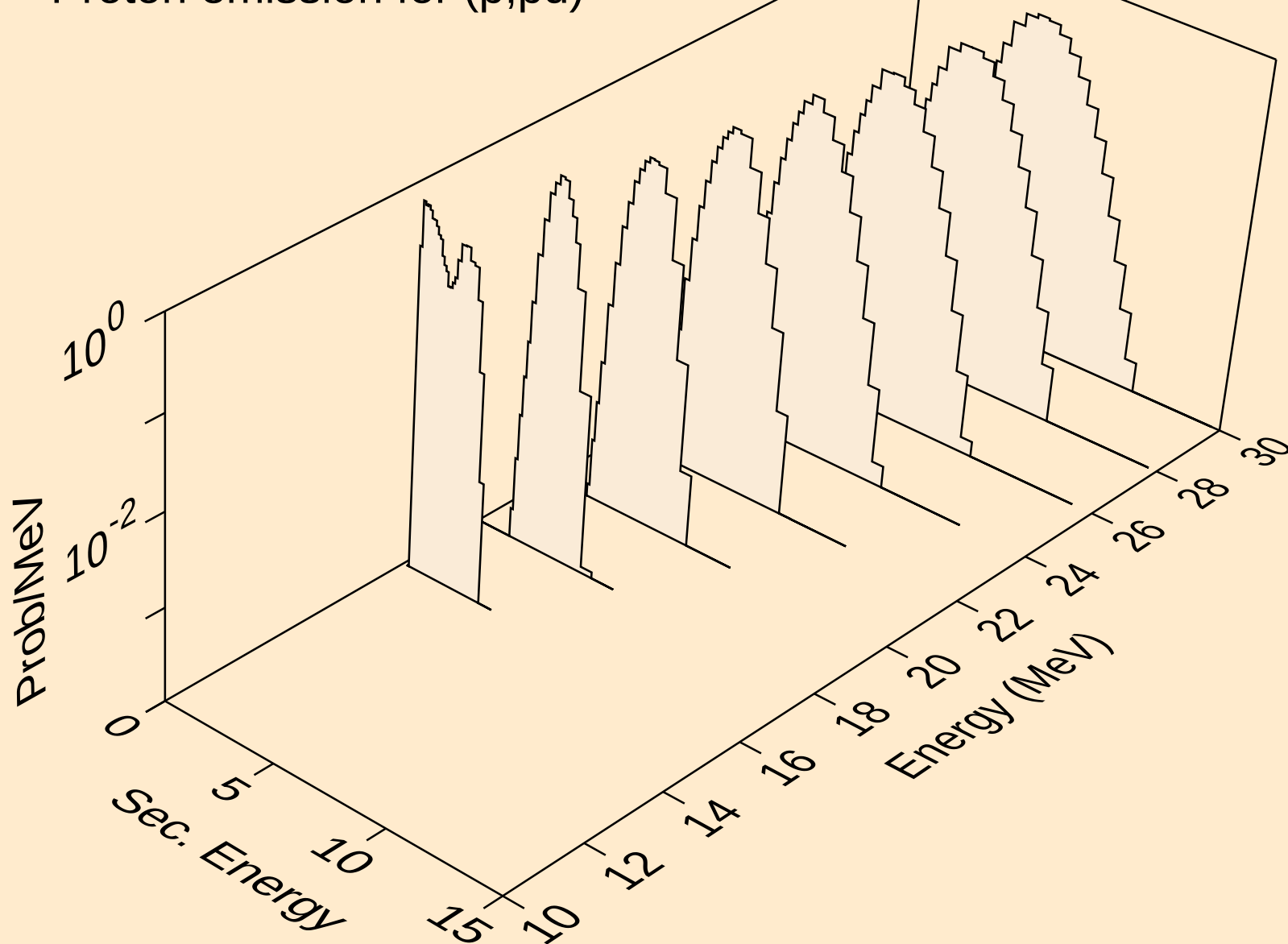


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pa)



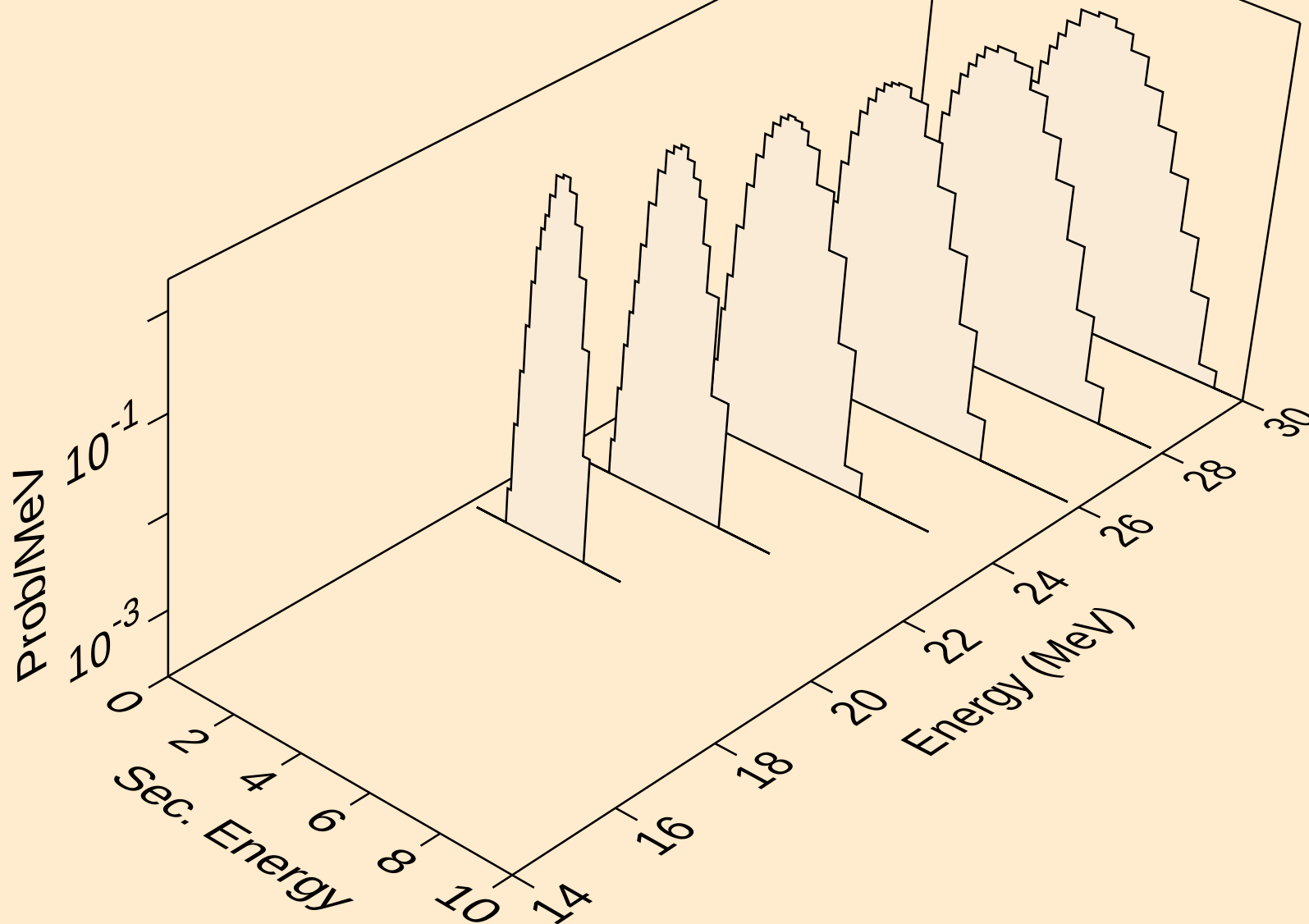
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pd)

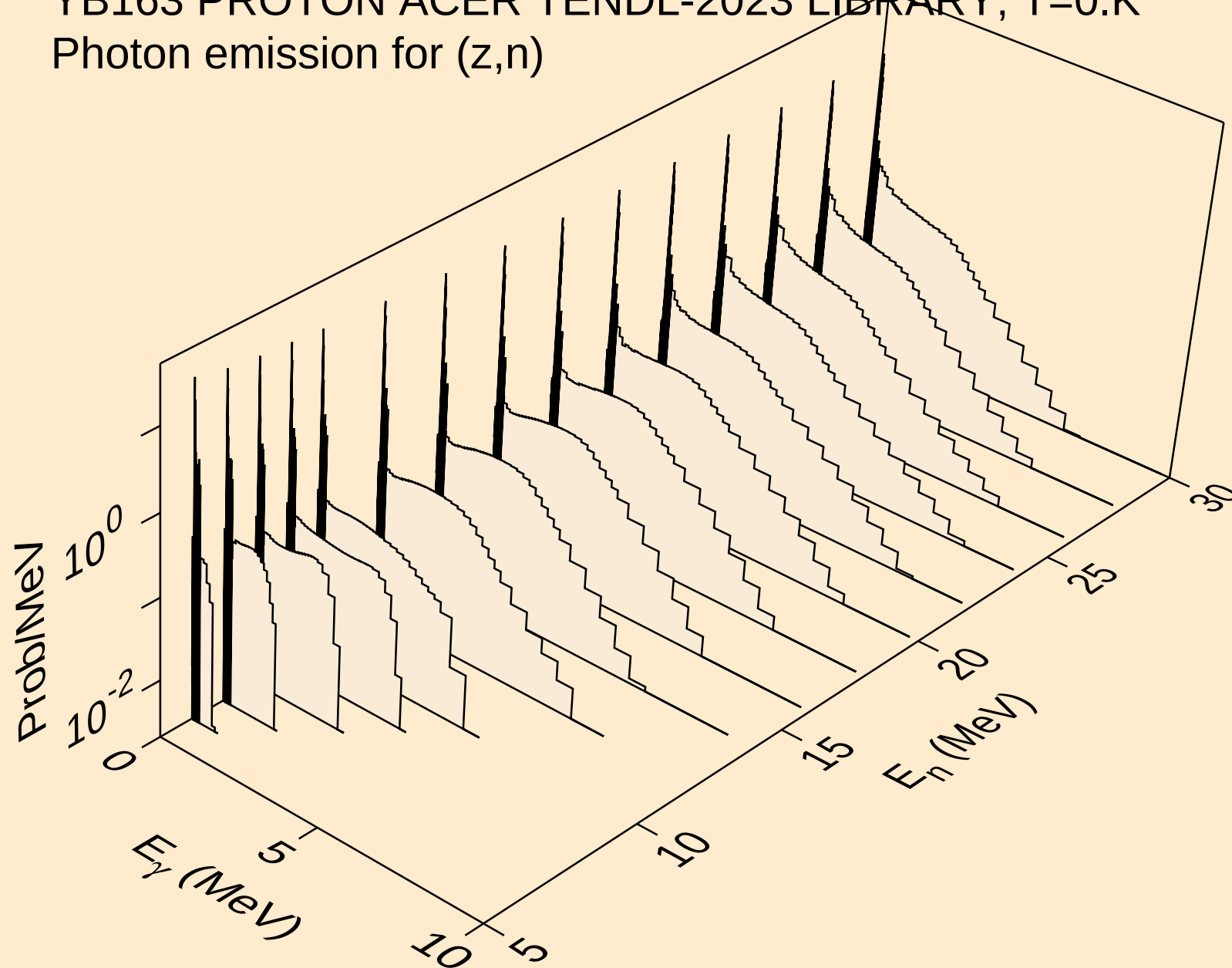


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

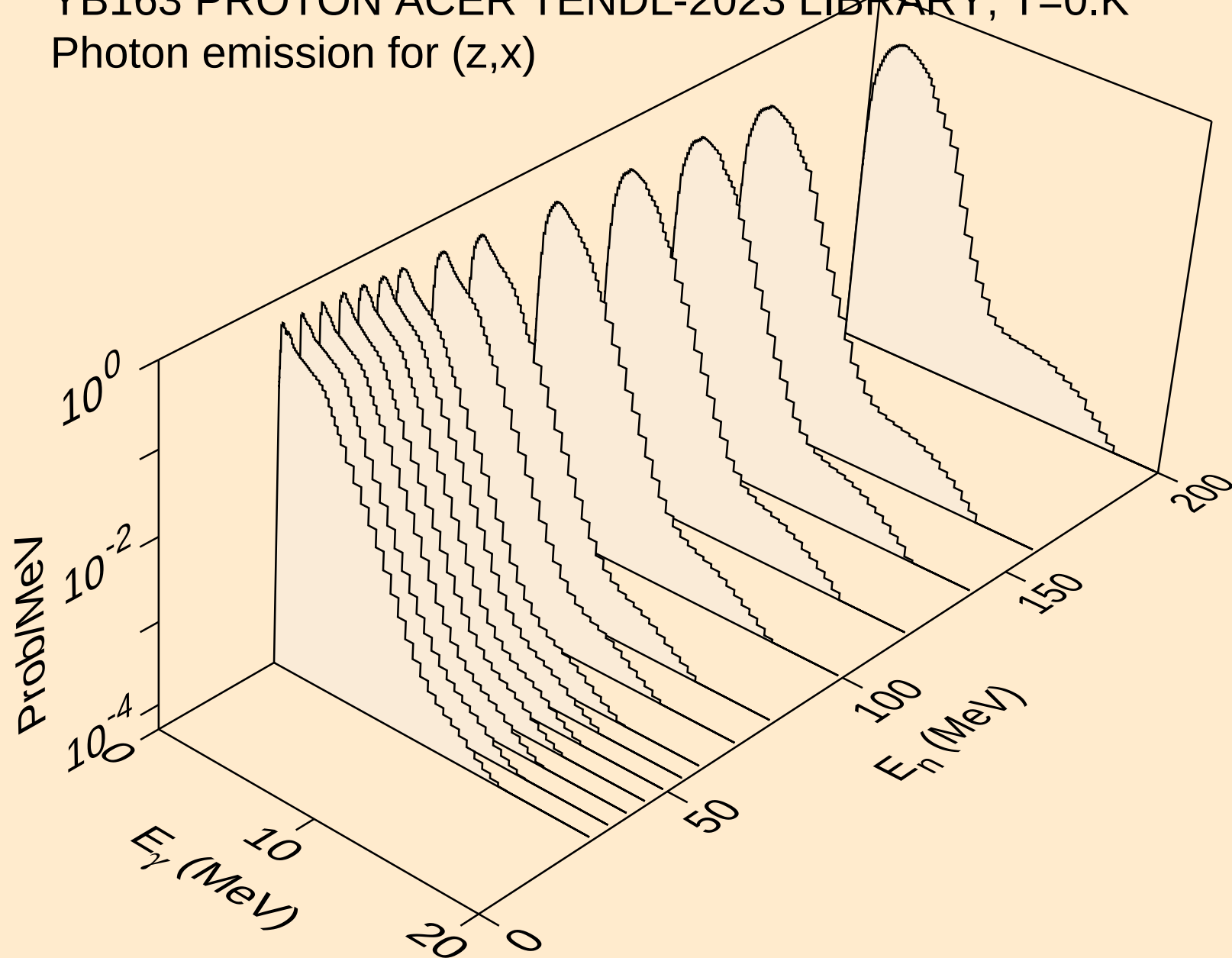


YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (z,n)

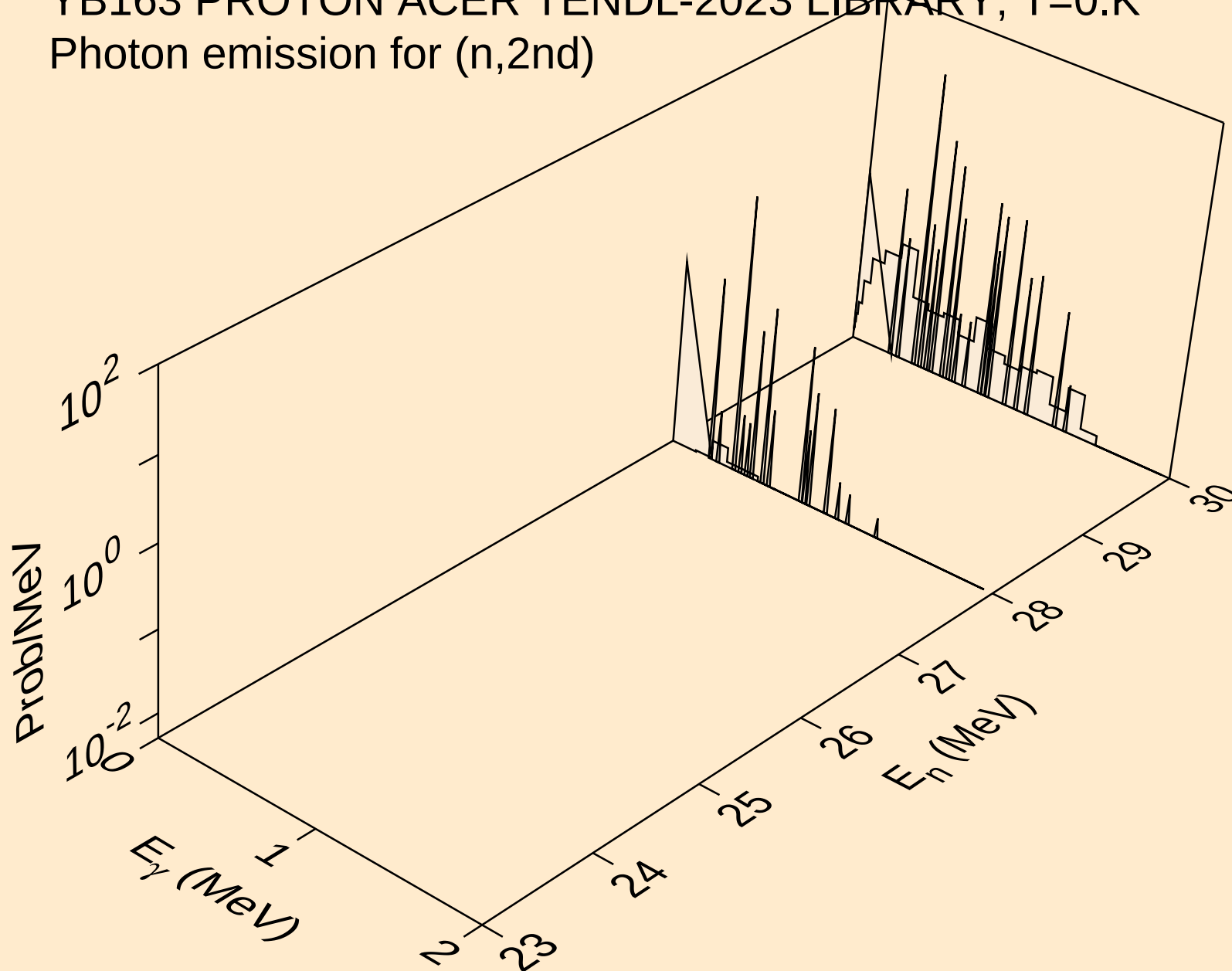


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

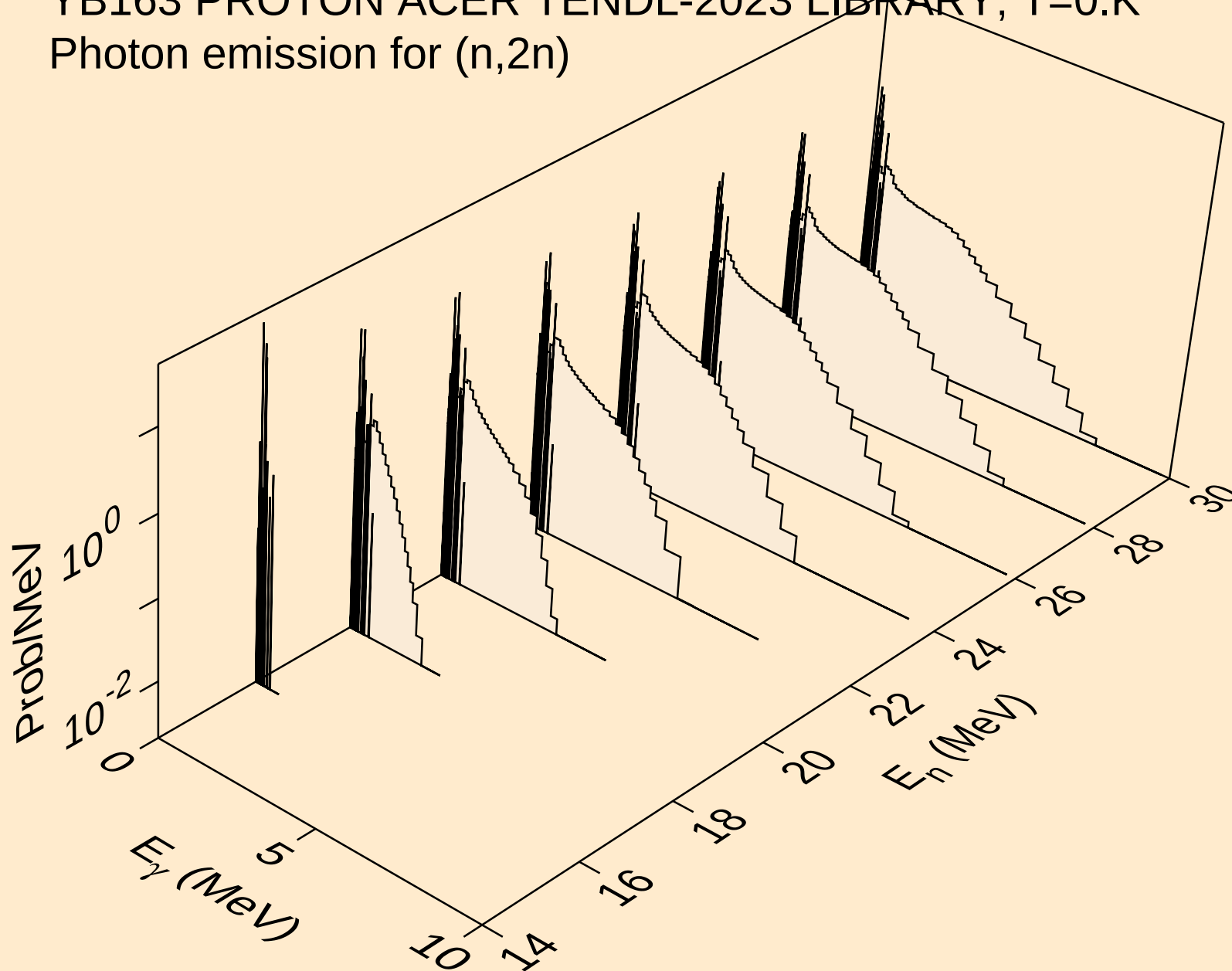
Photon emission for (z,x)



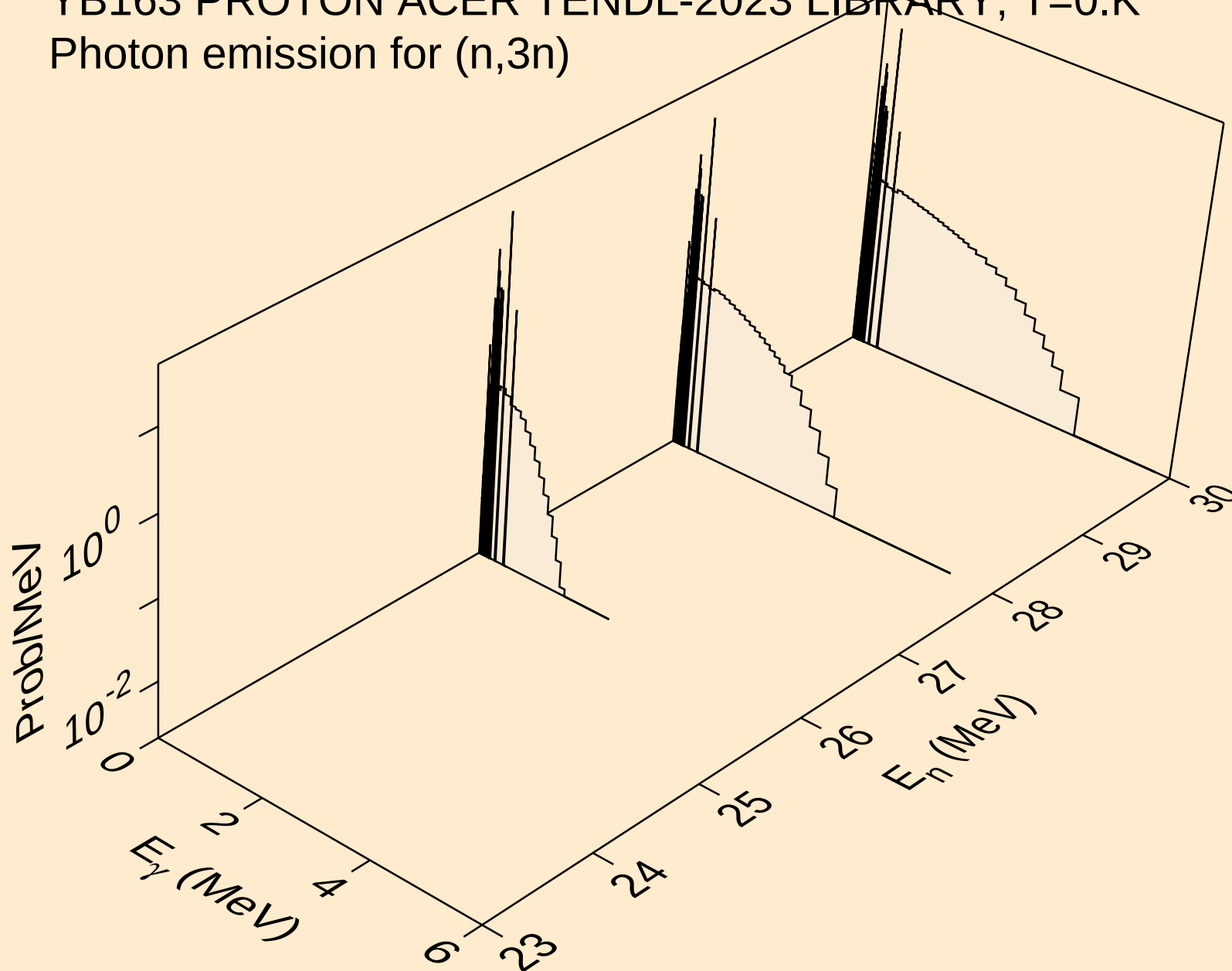
YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2nd)



YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)

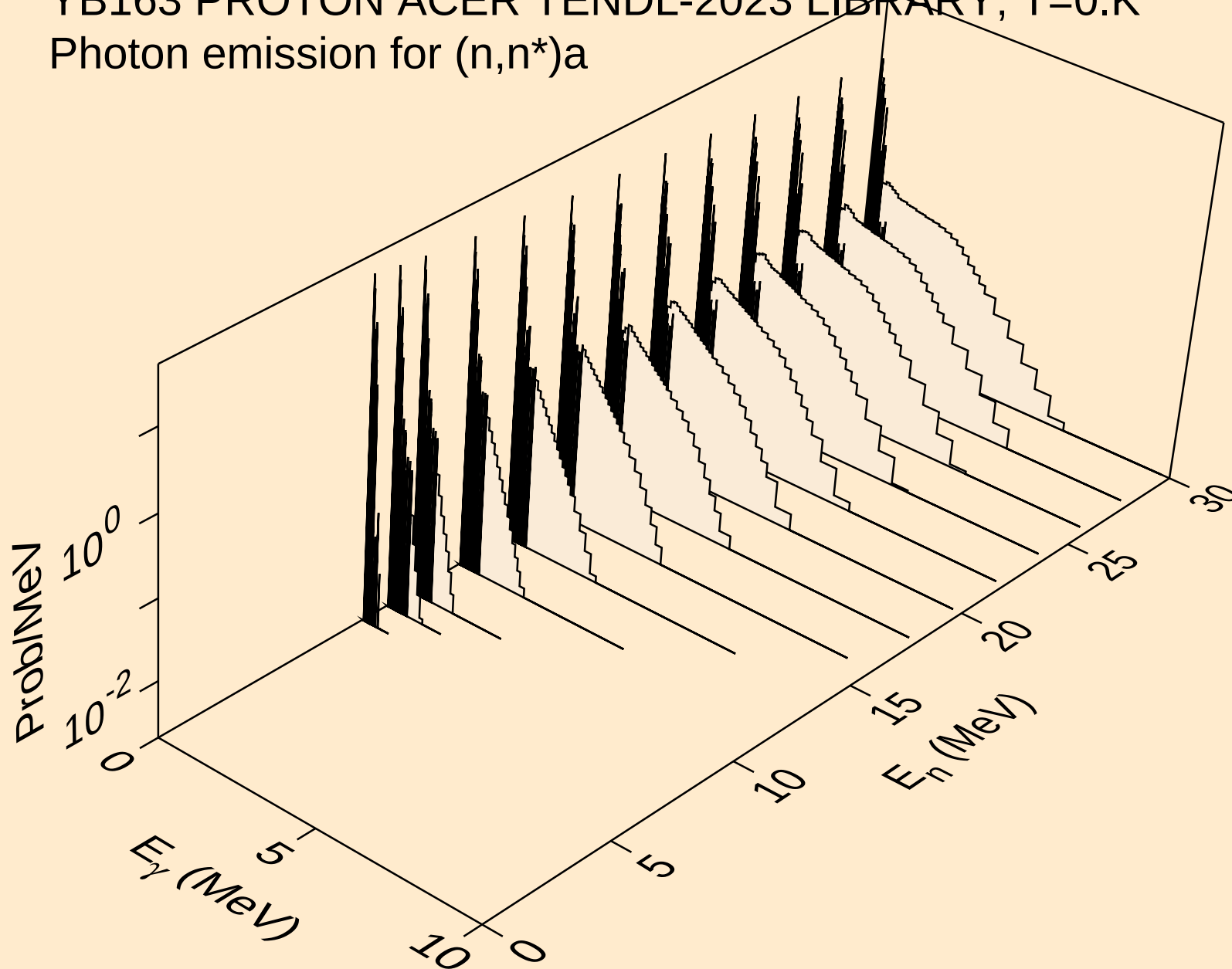


YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,3n)



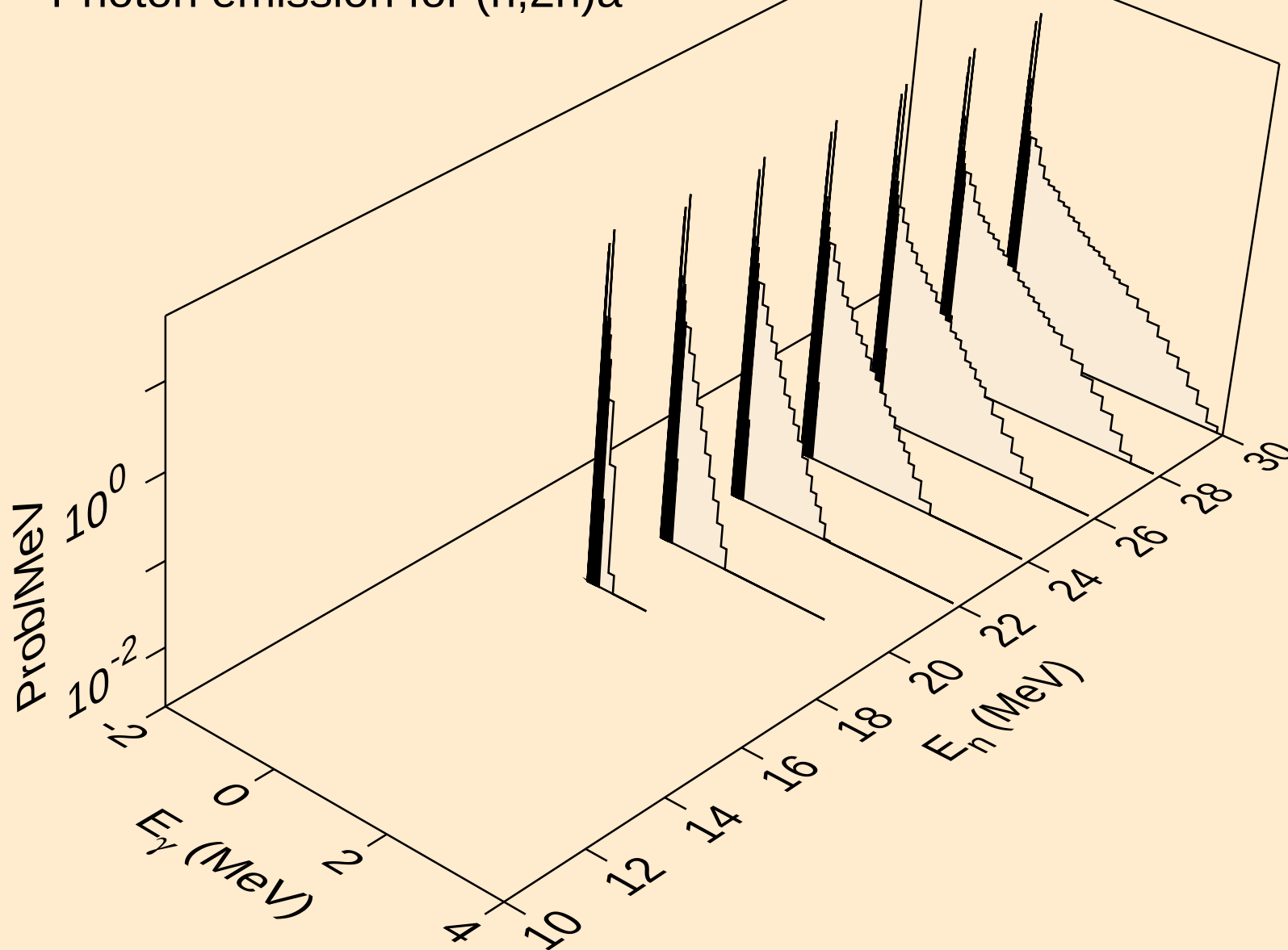
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



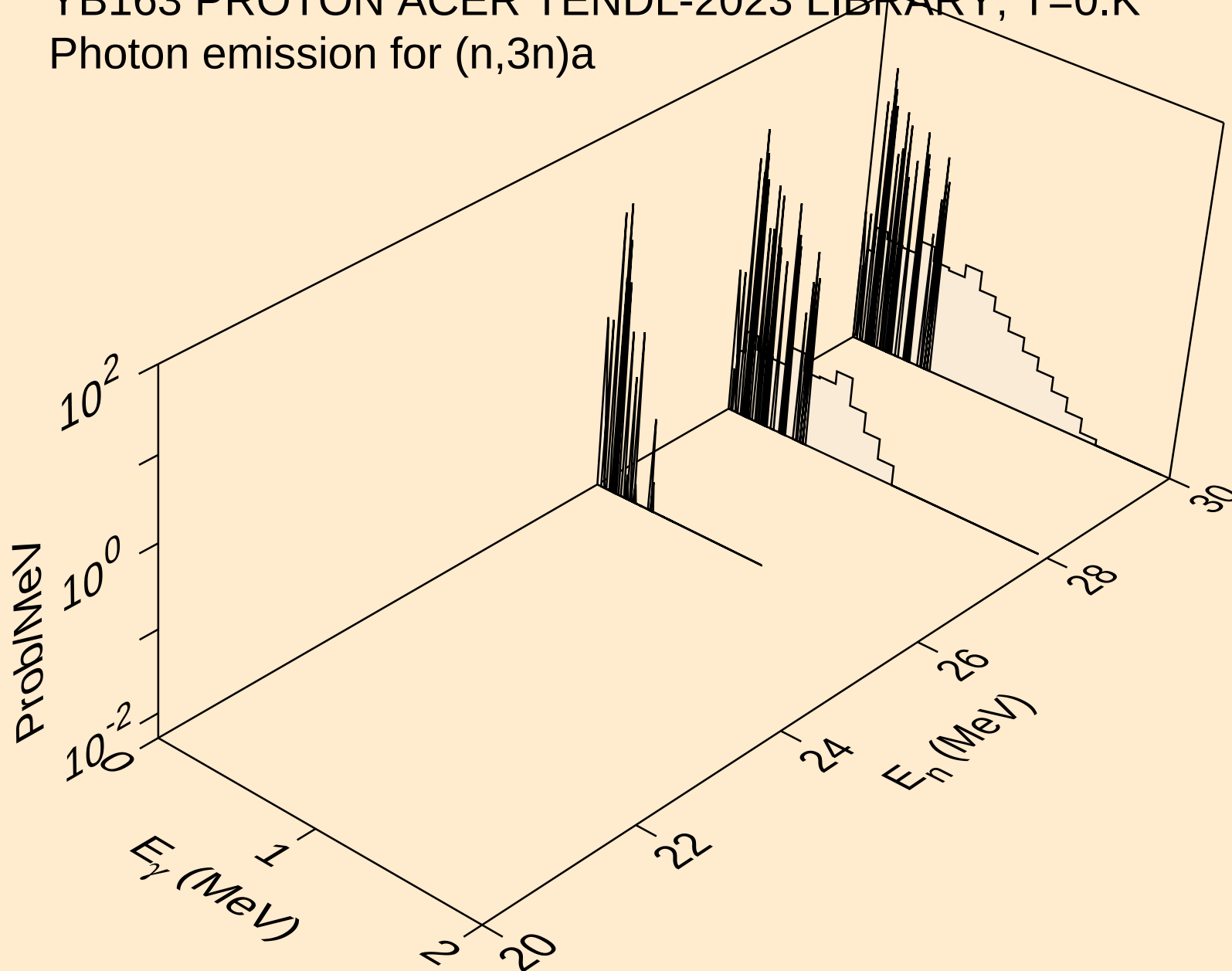
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α

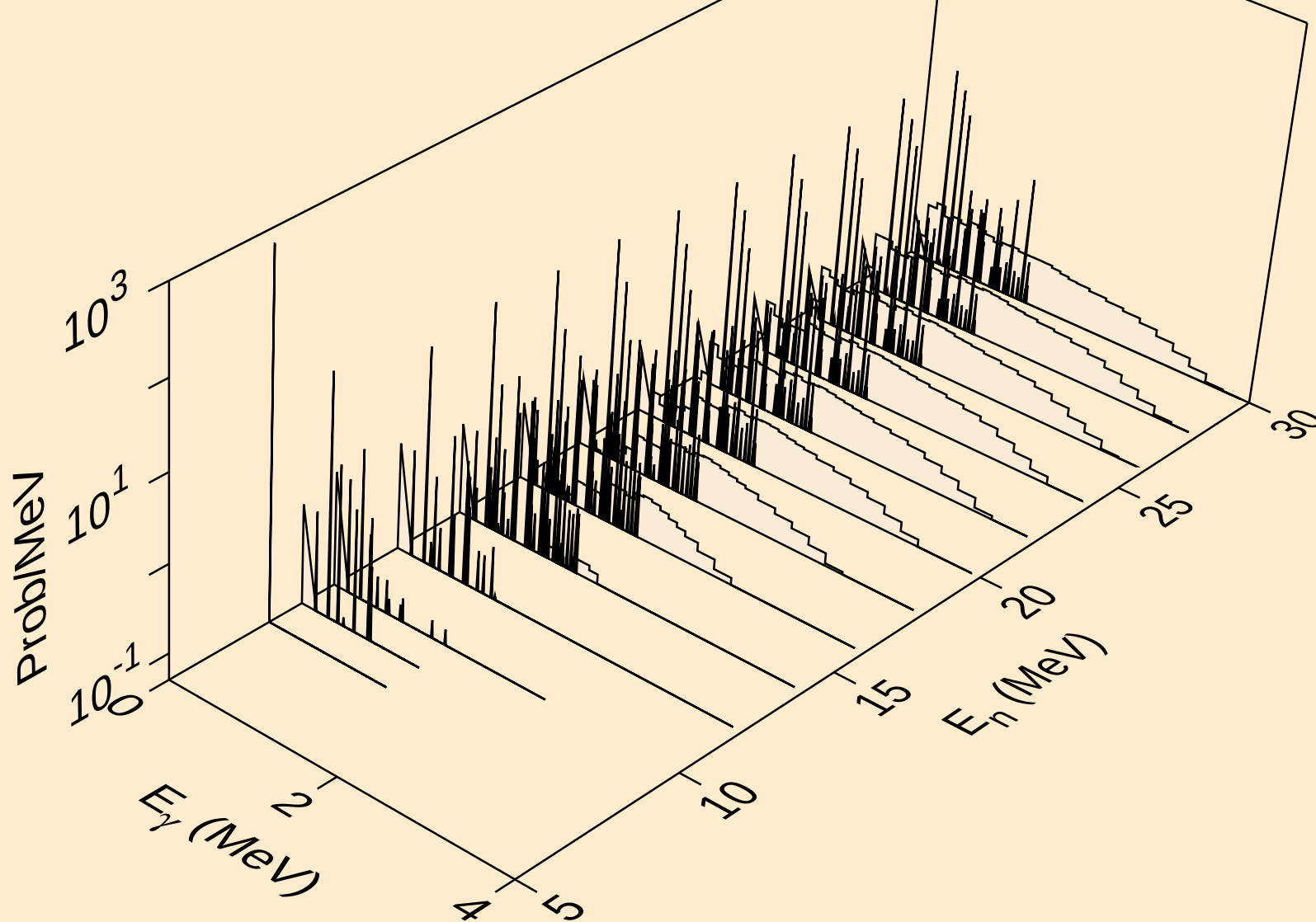


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α

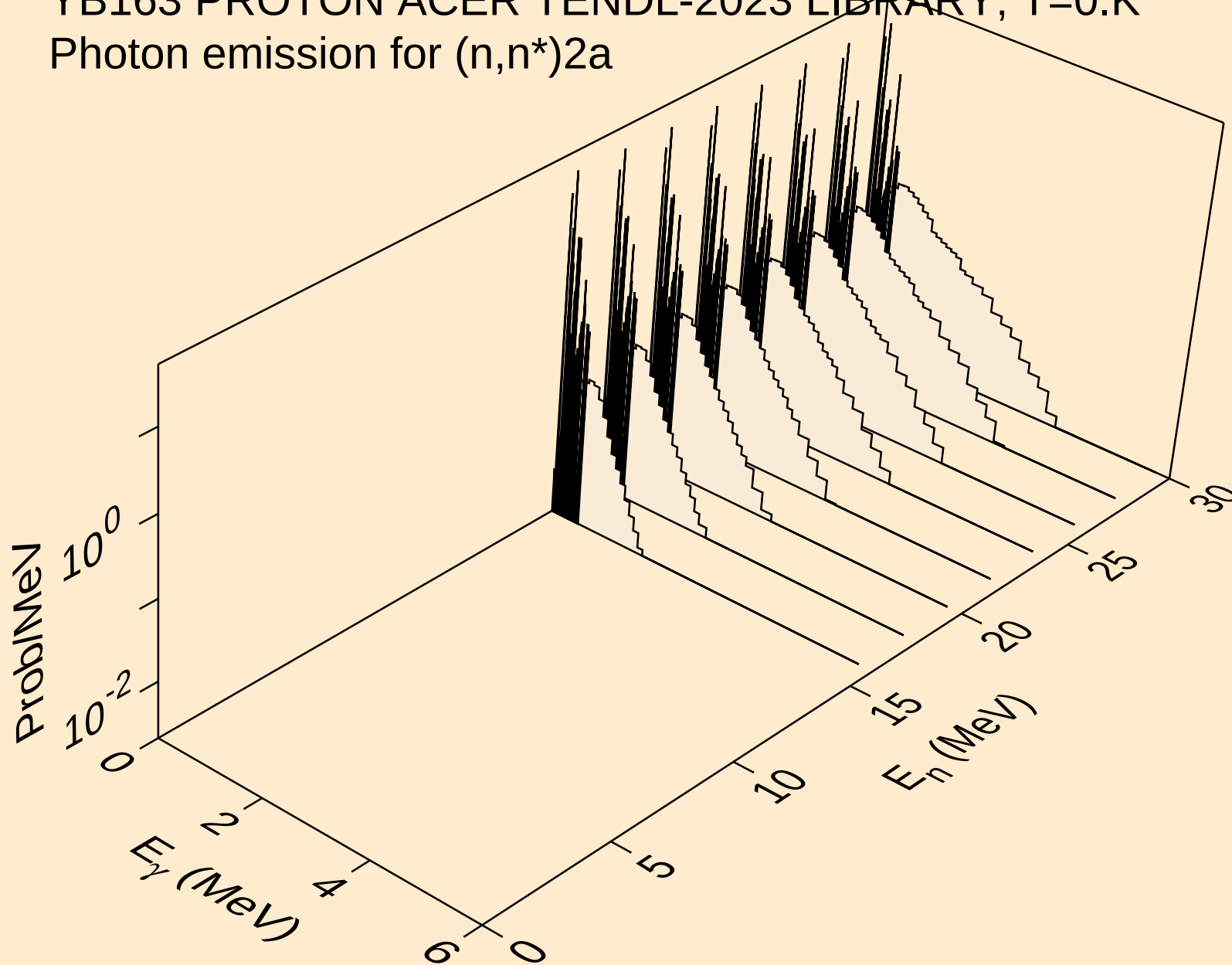


YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)p$



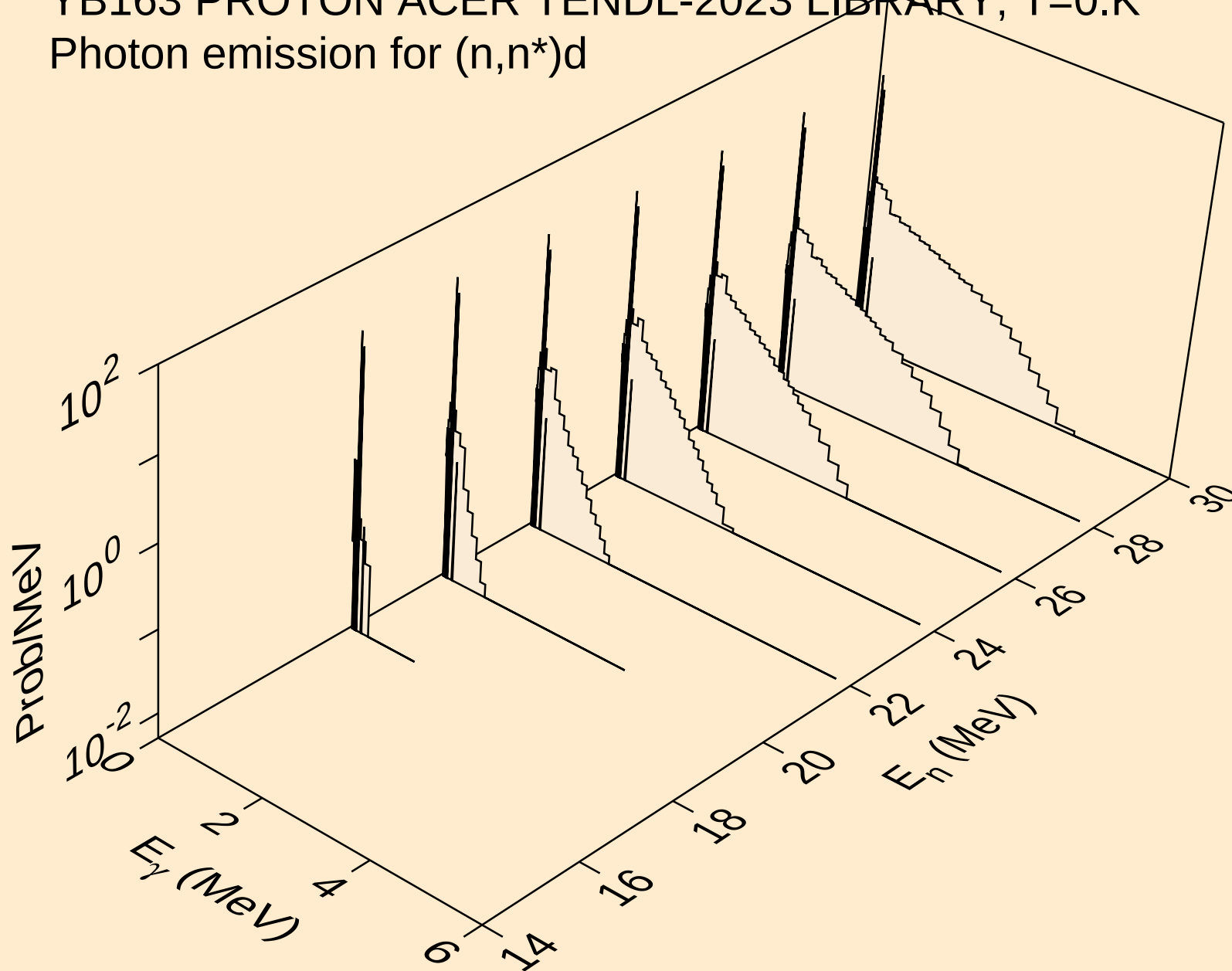
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a



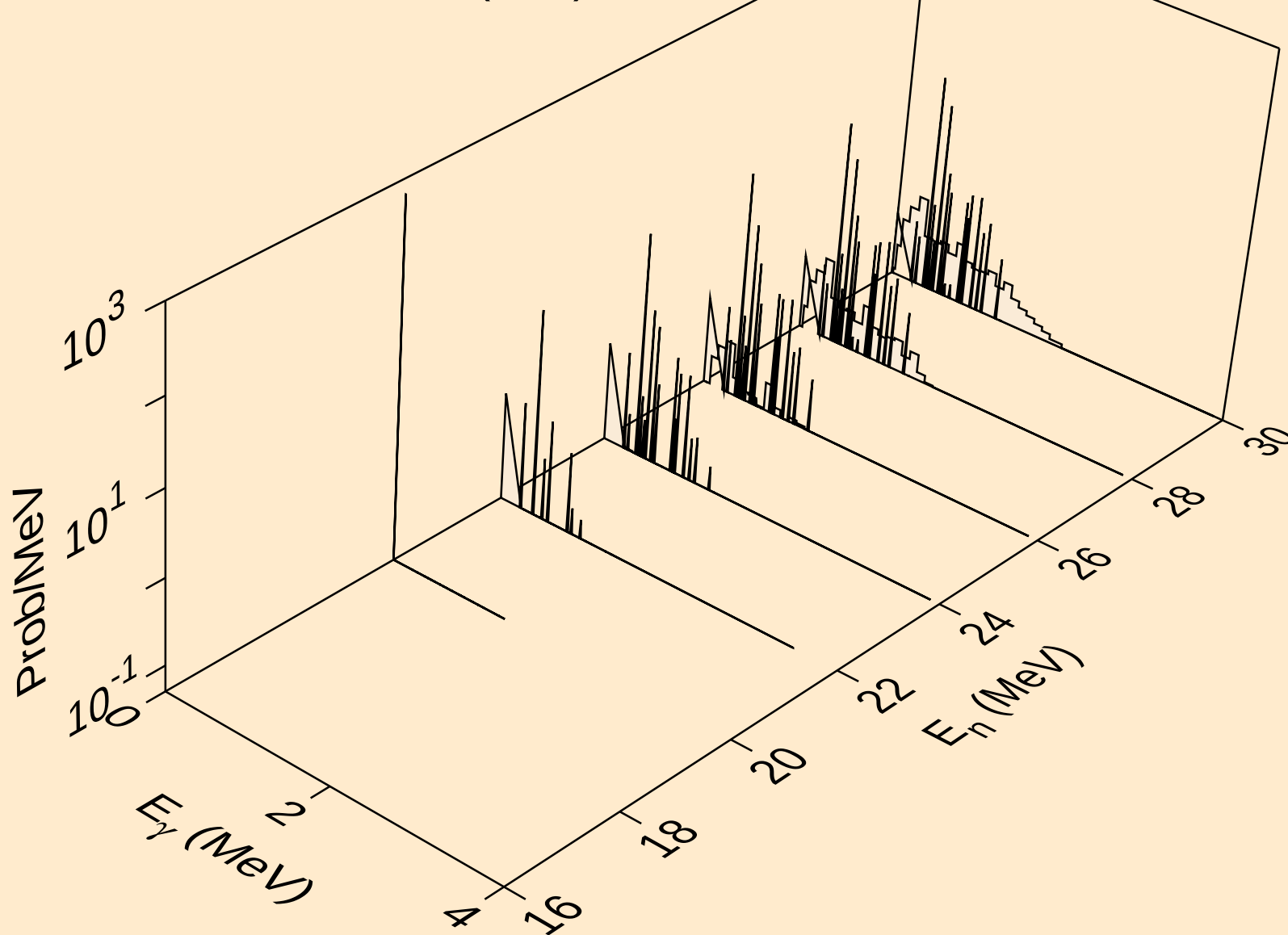
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

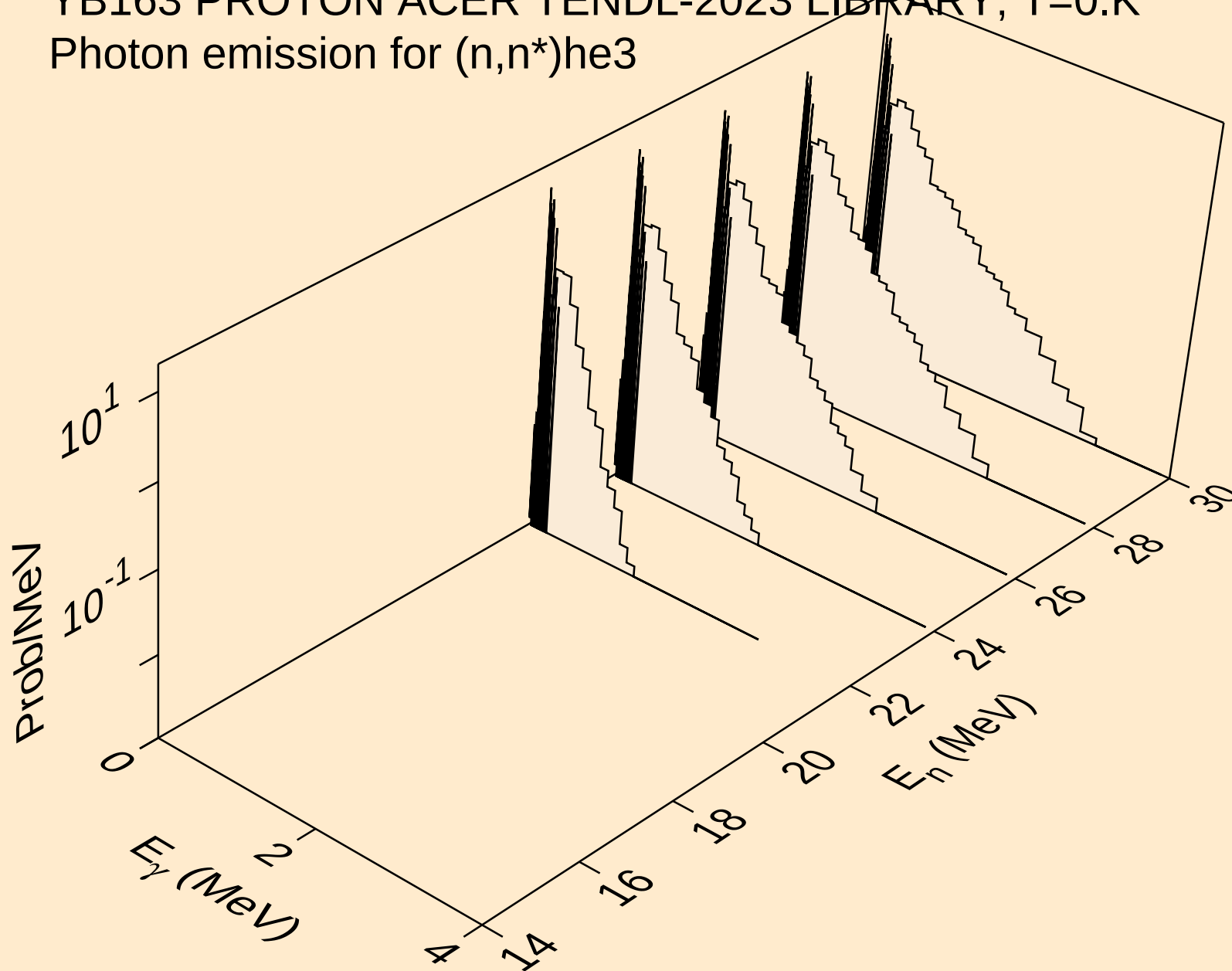


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

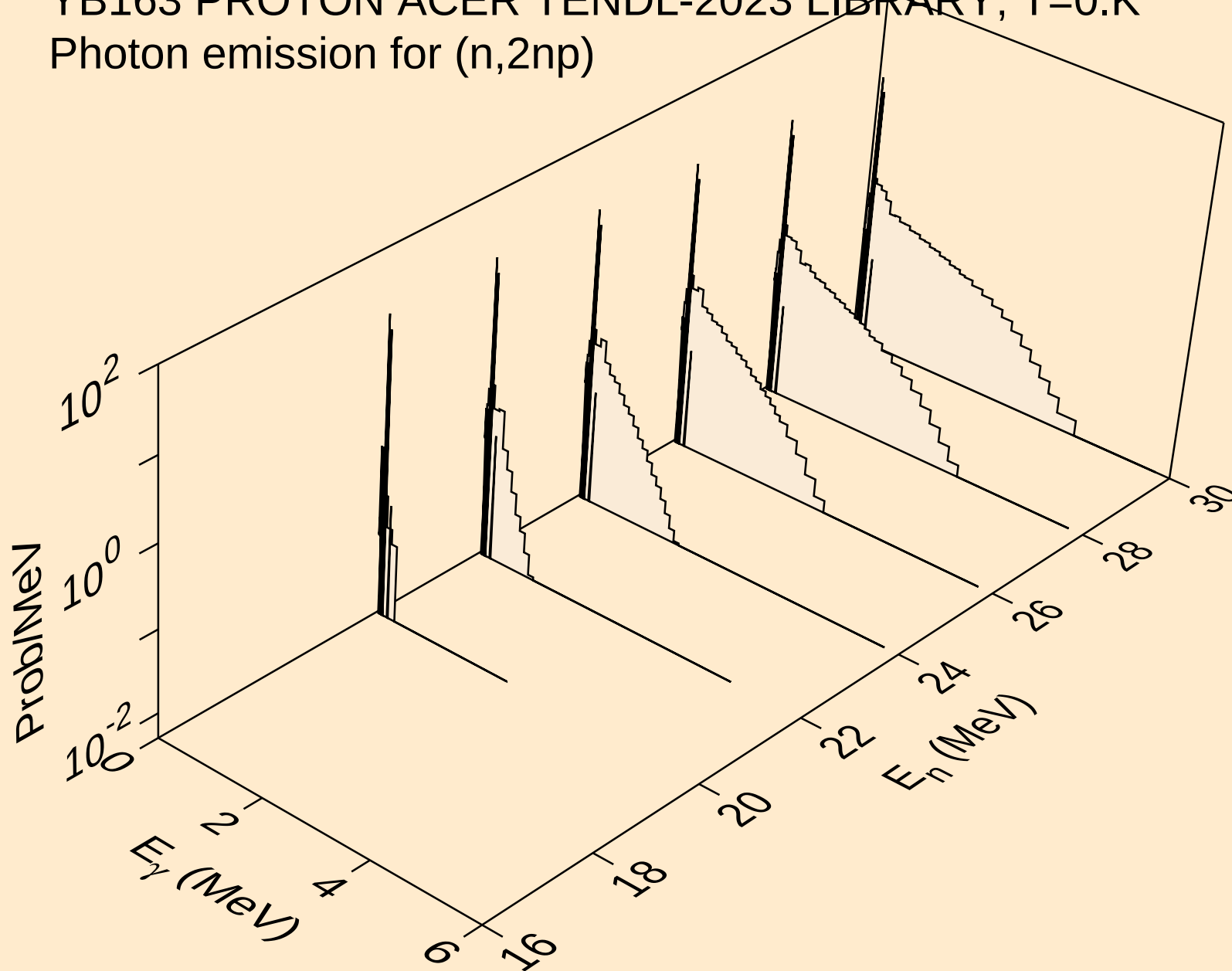
Photon emission for (n,n*)t



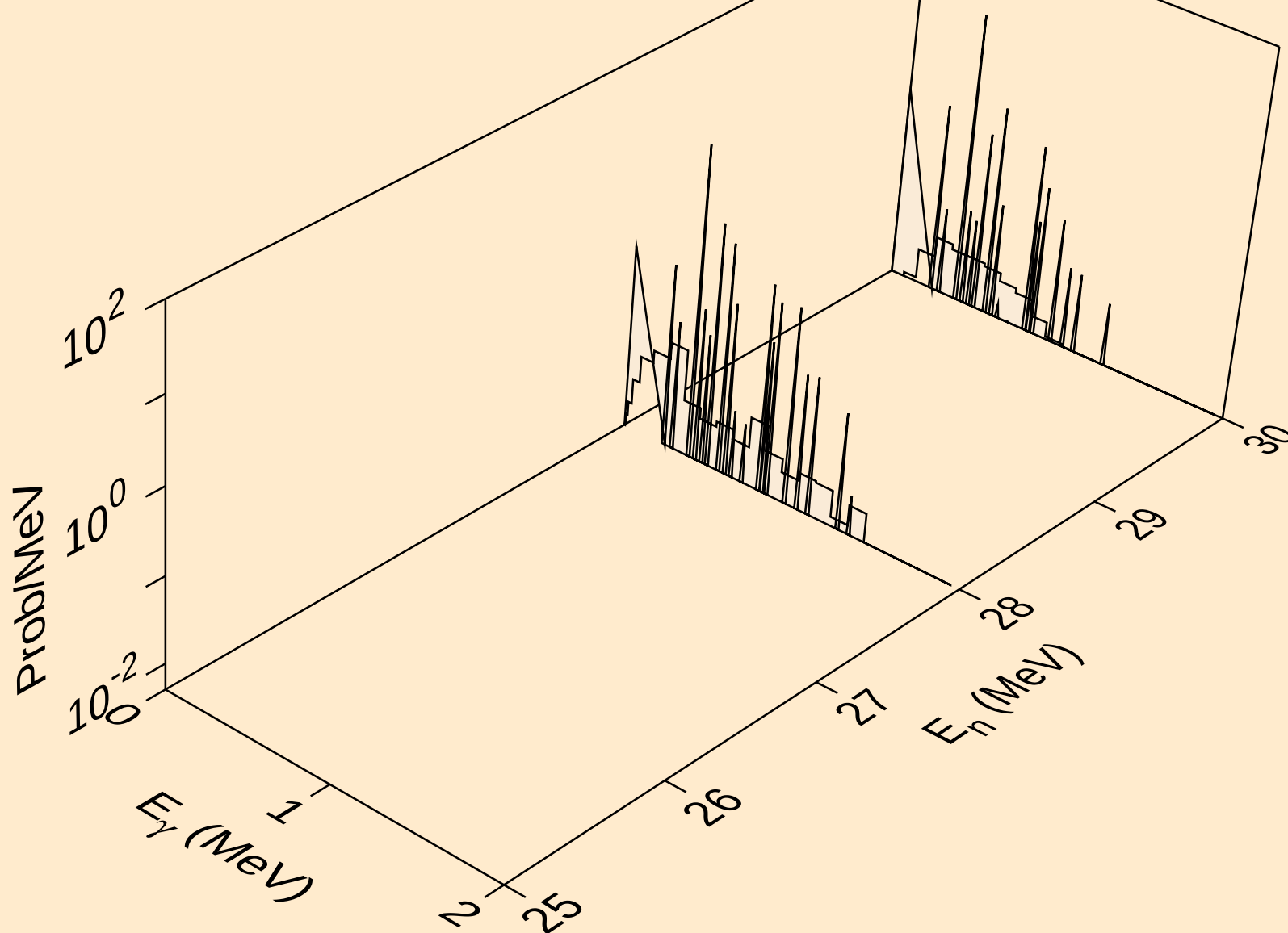
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



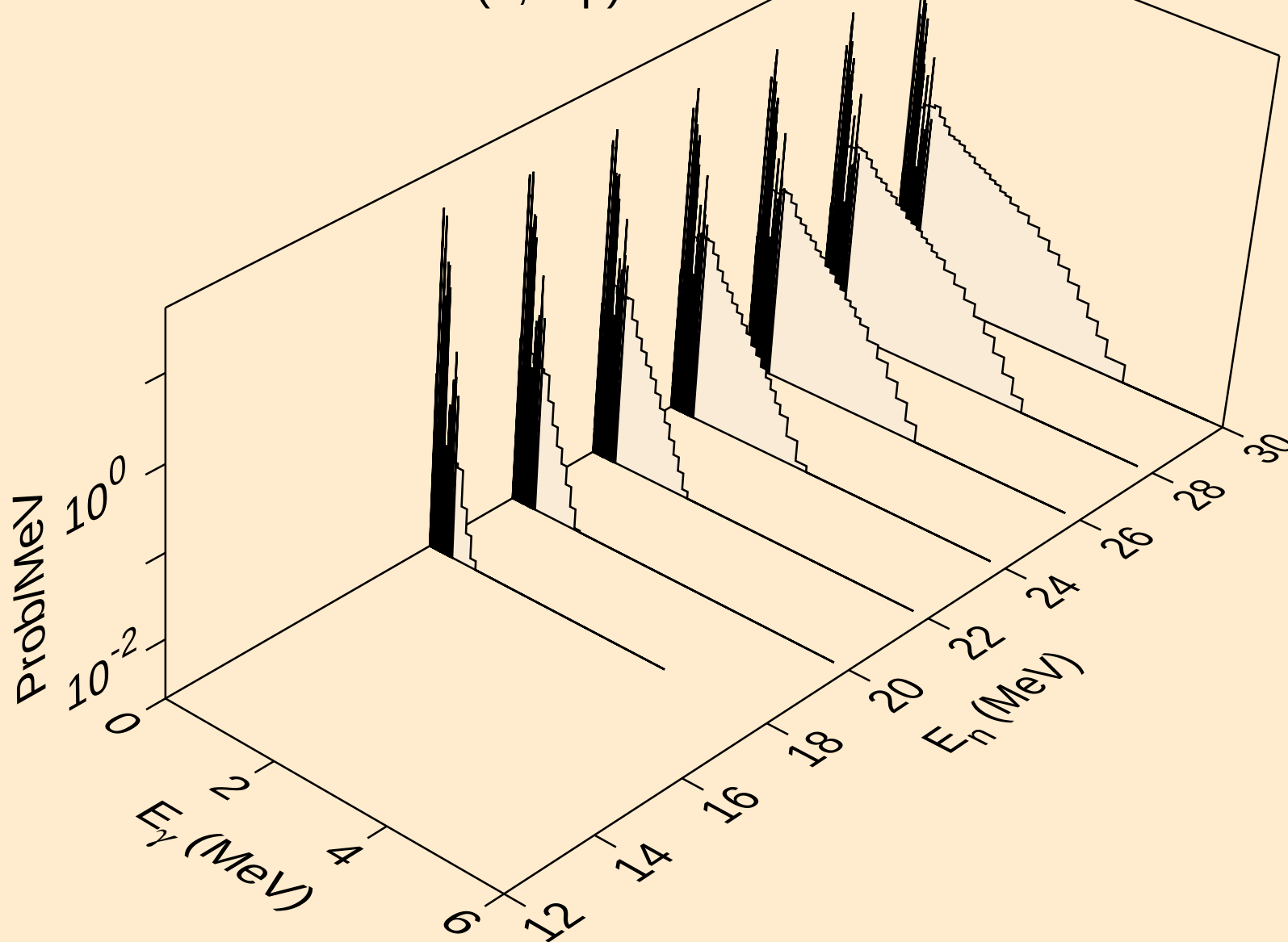
YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



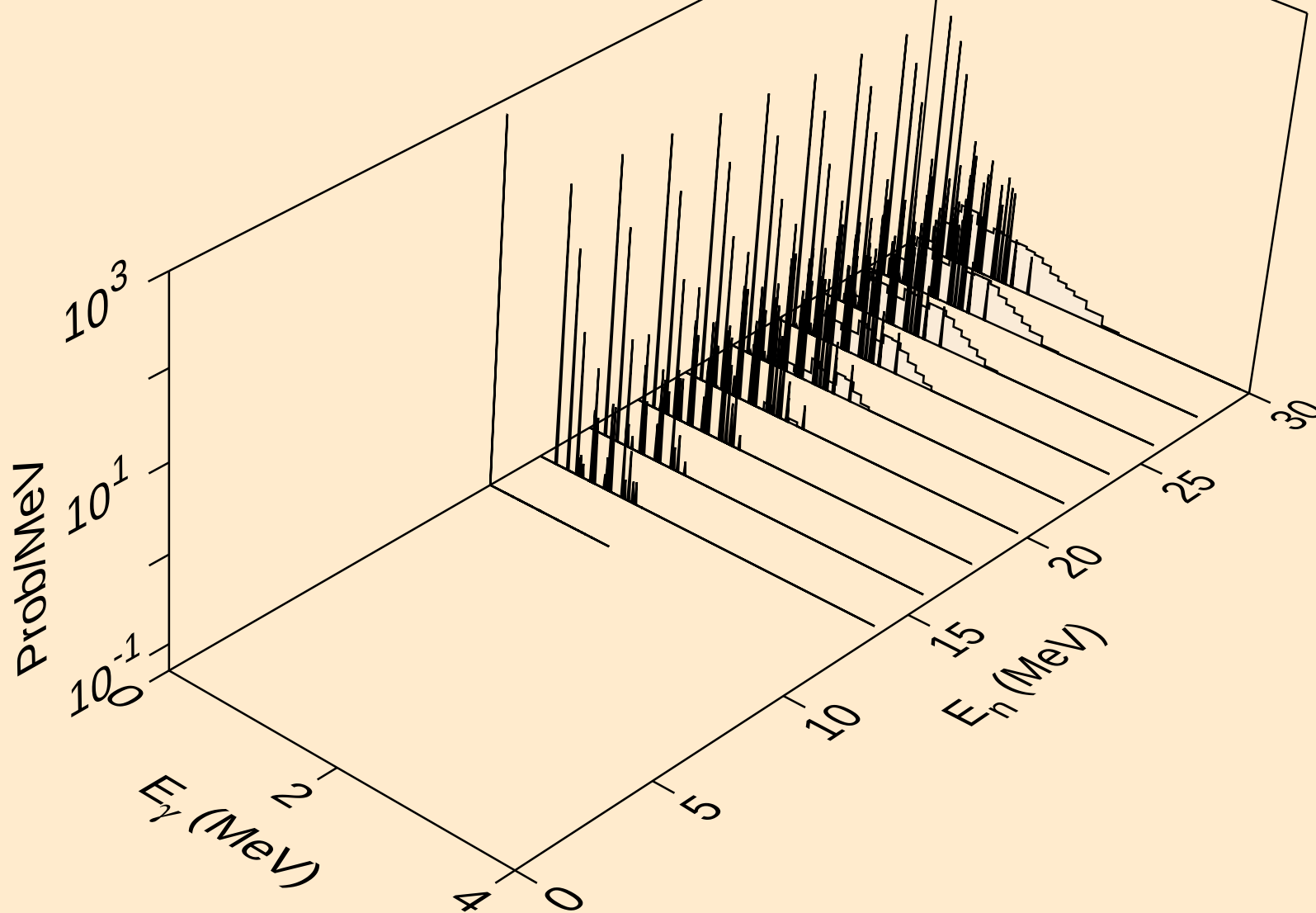
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Photon emission for (n,3np)



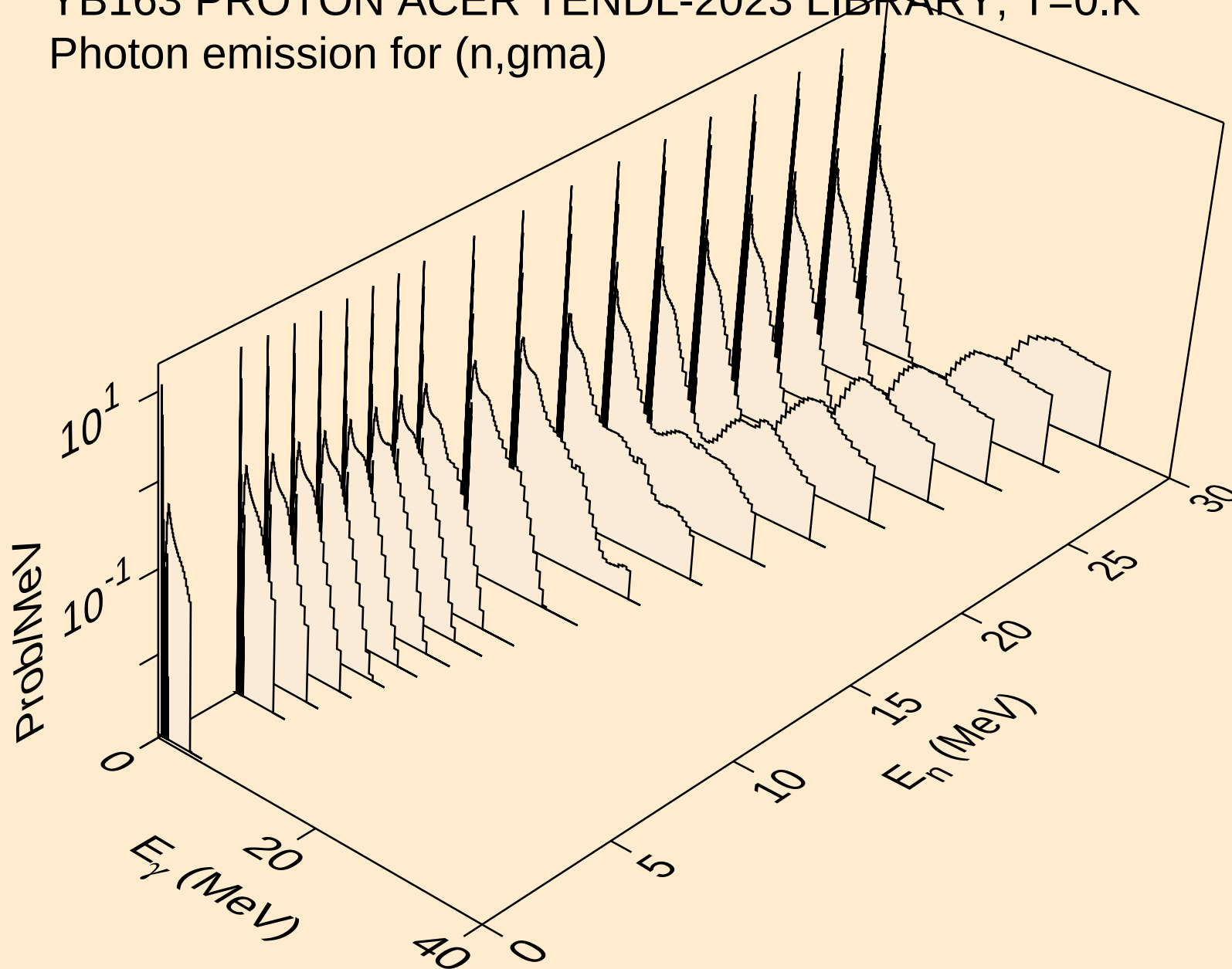
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Photon emission for (n,n2p)



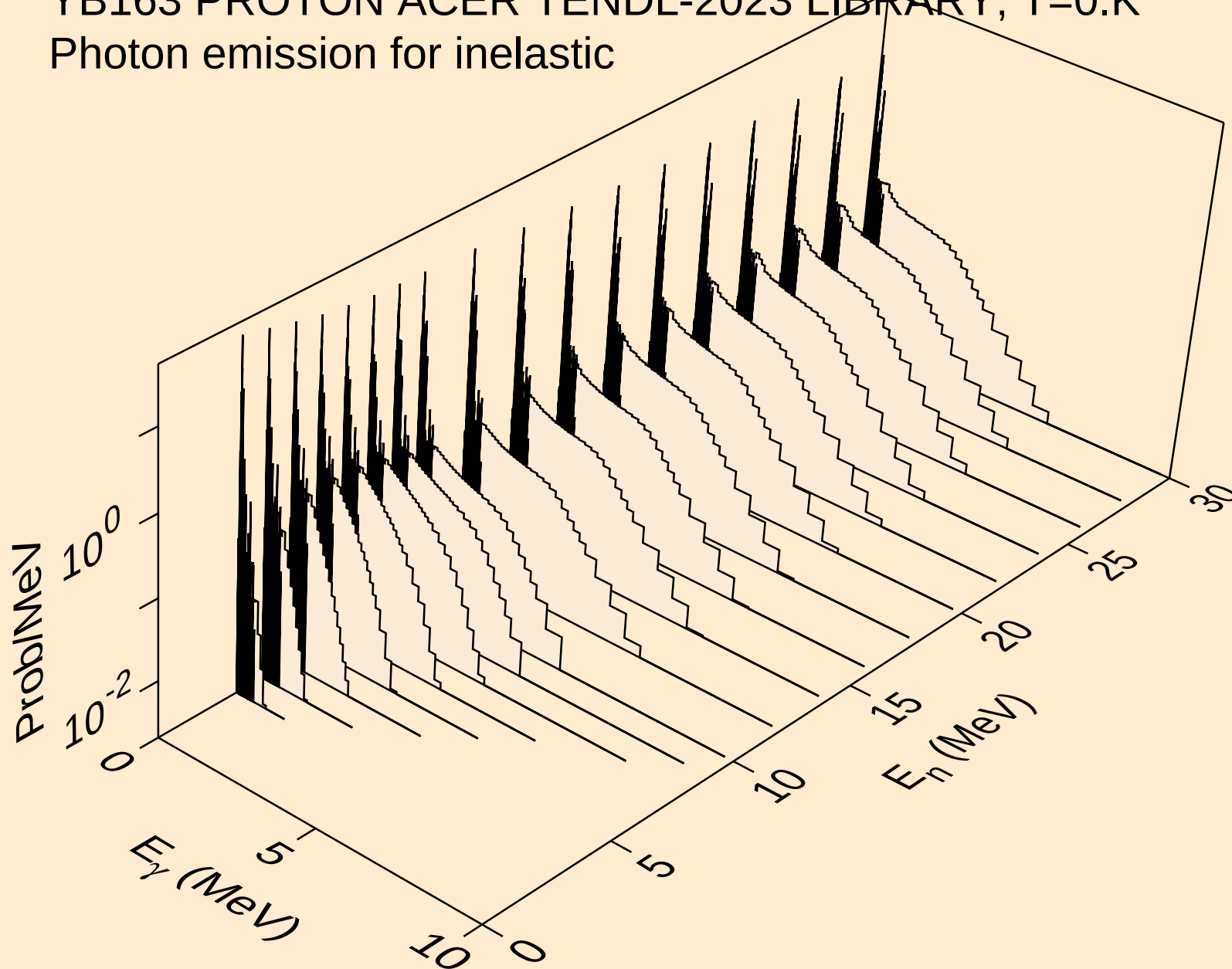
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



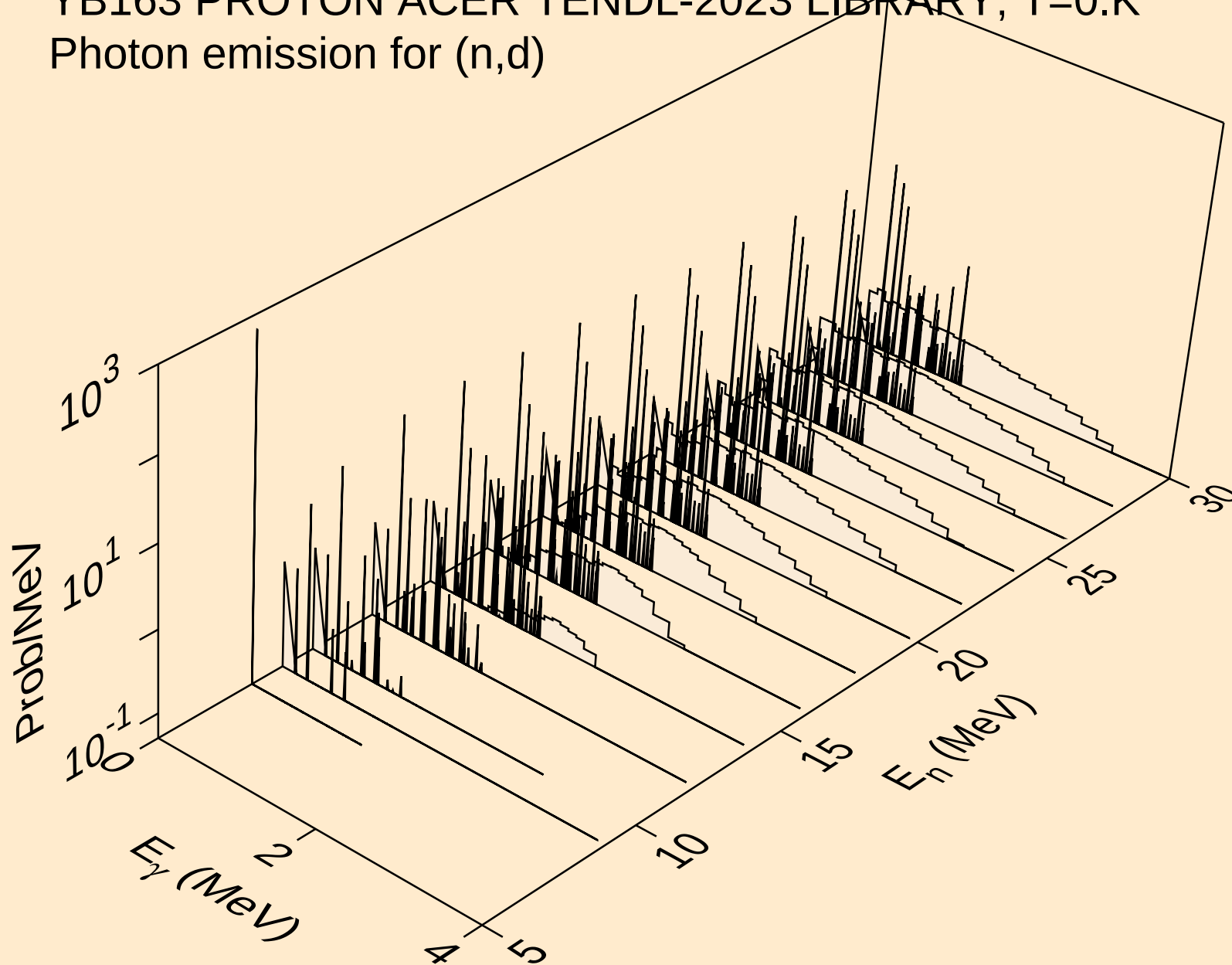
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Photon emission for (n,gma)



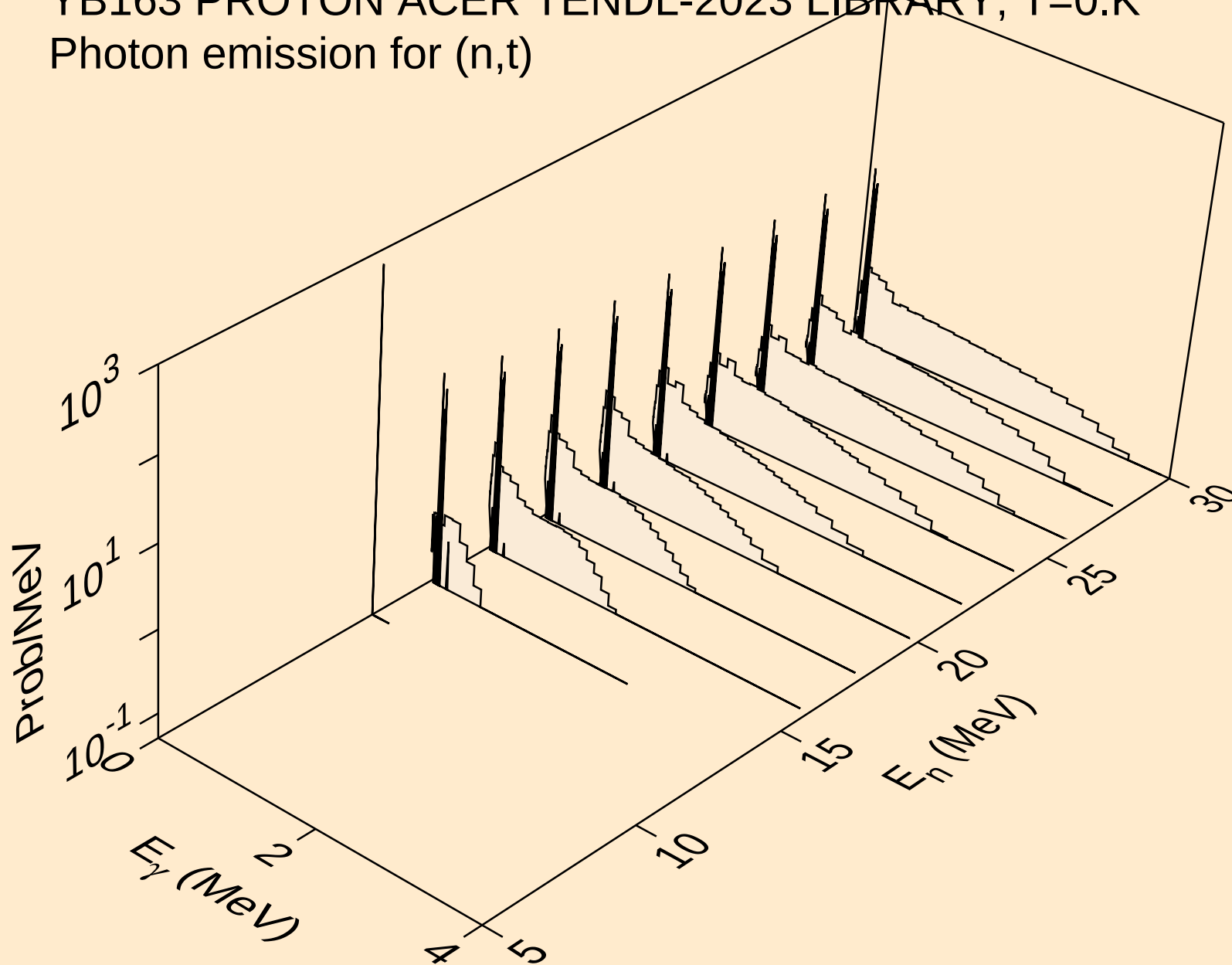
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



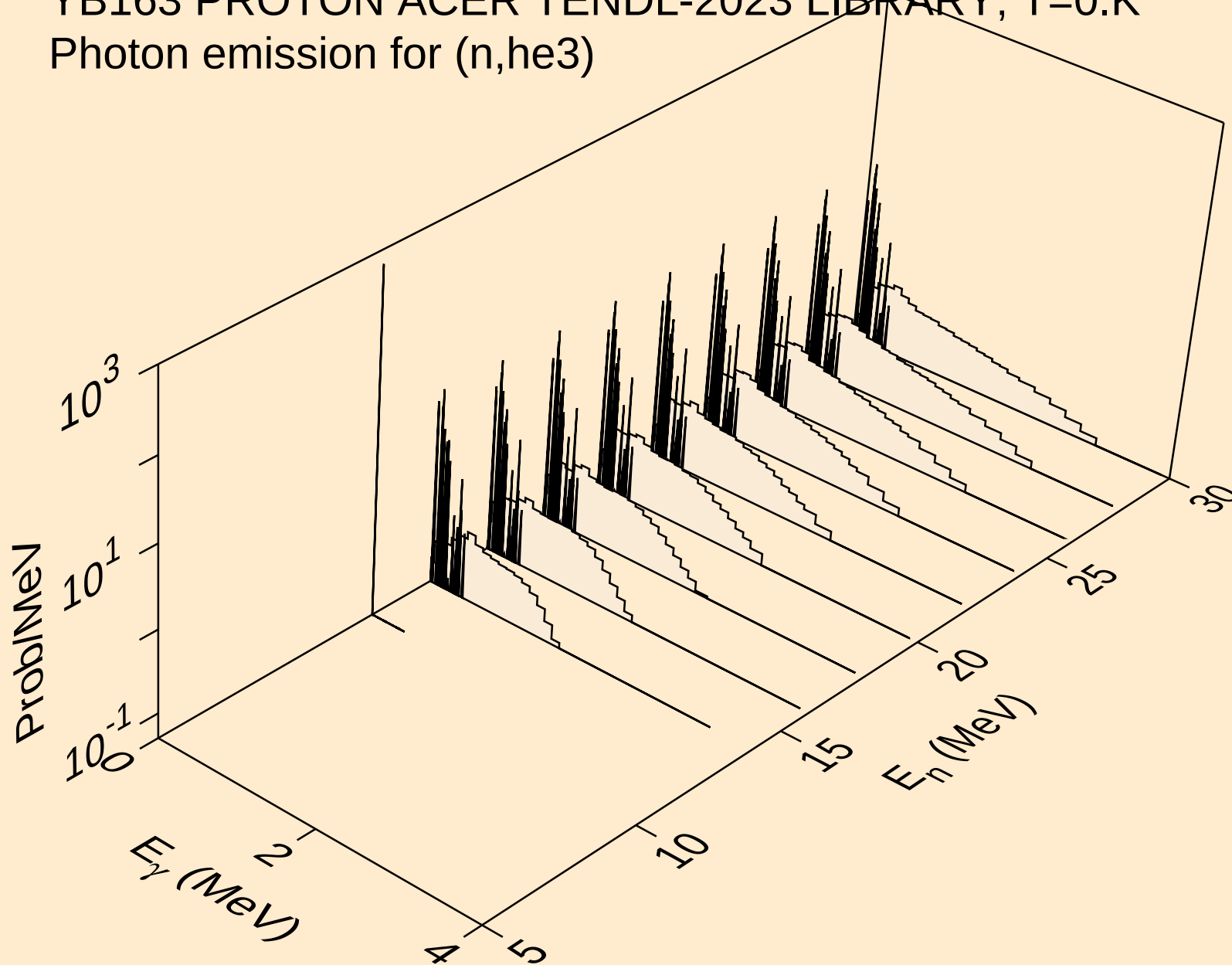
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Photon emission for (n,d)



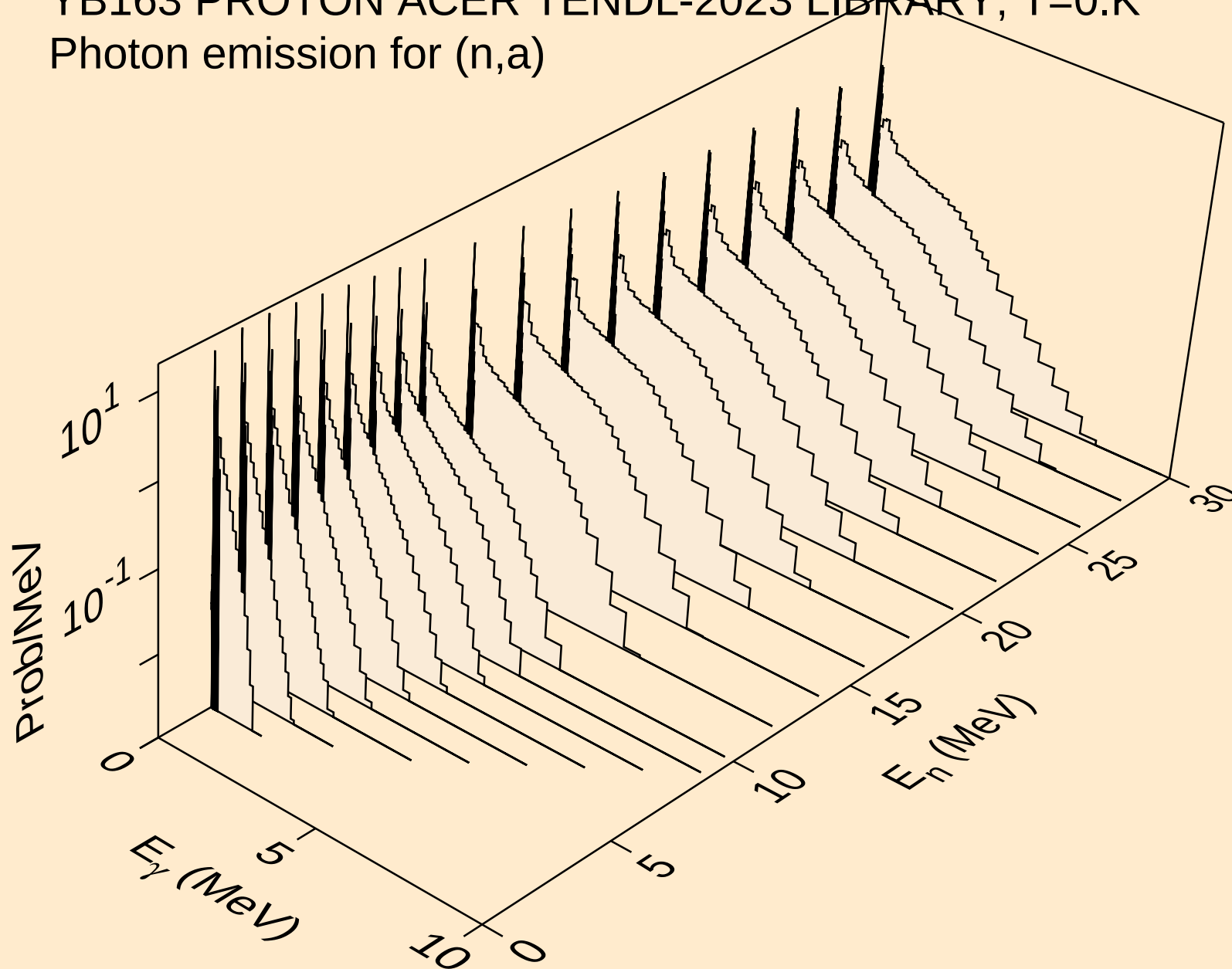
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



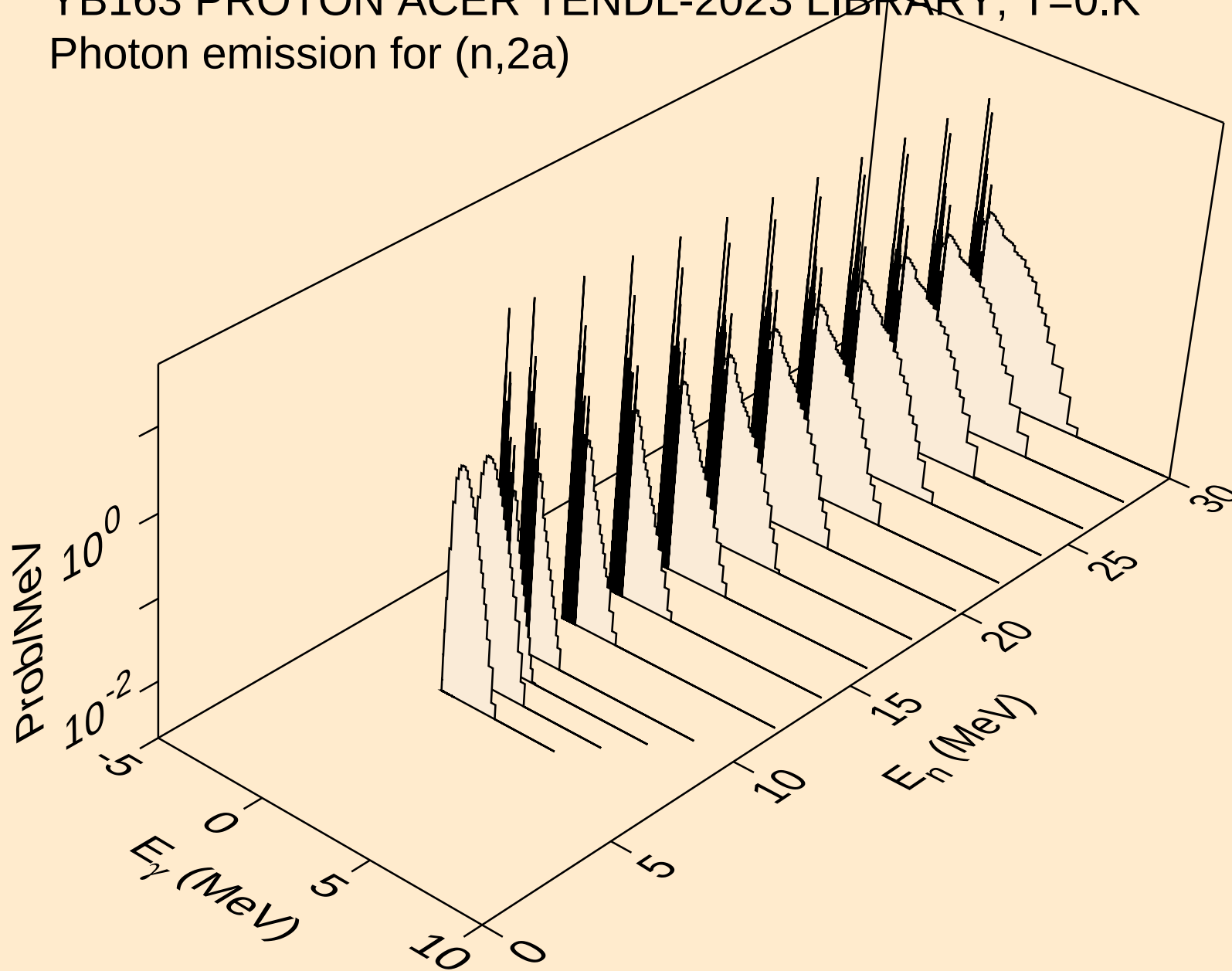
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



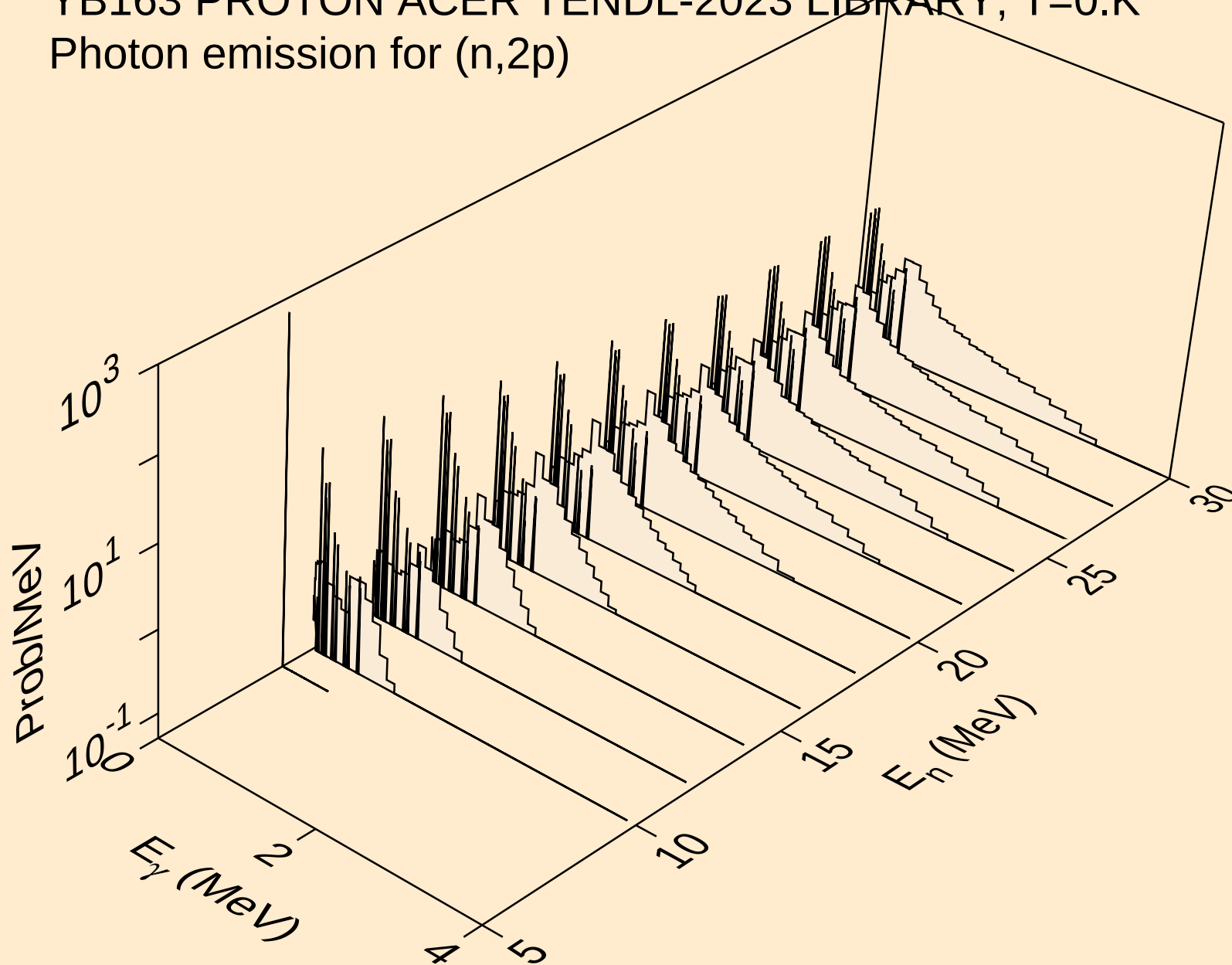
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



YB163 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2a)

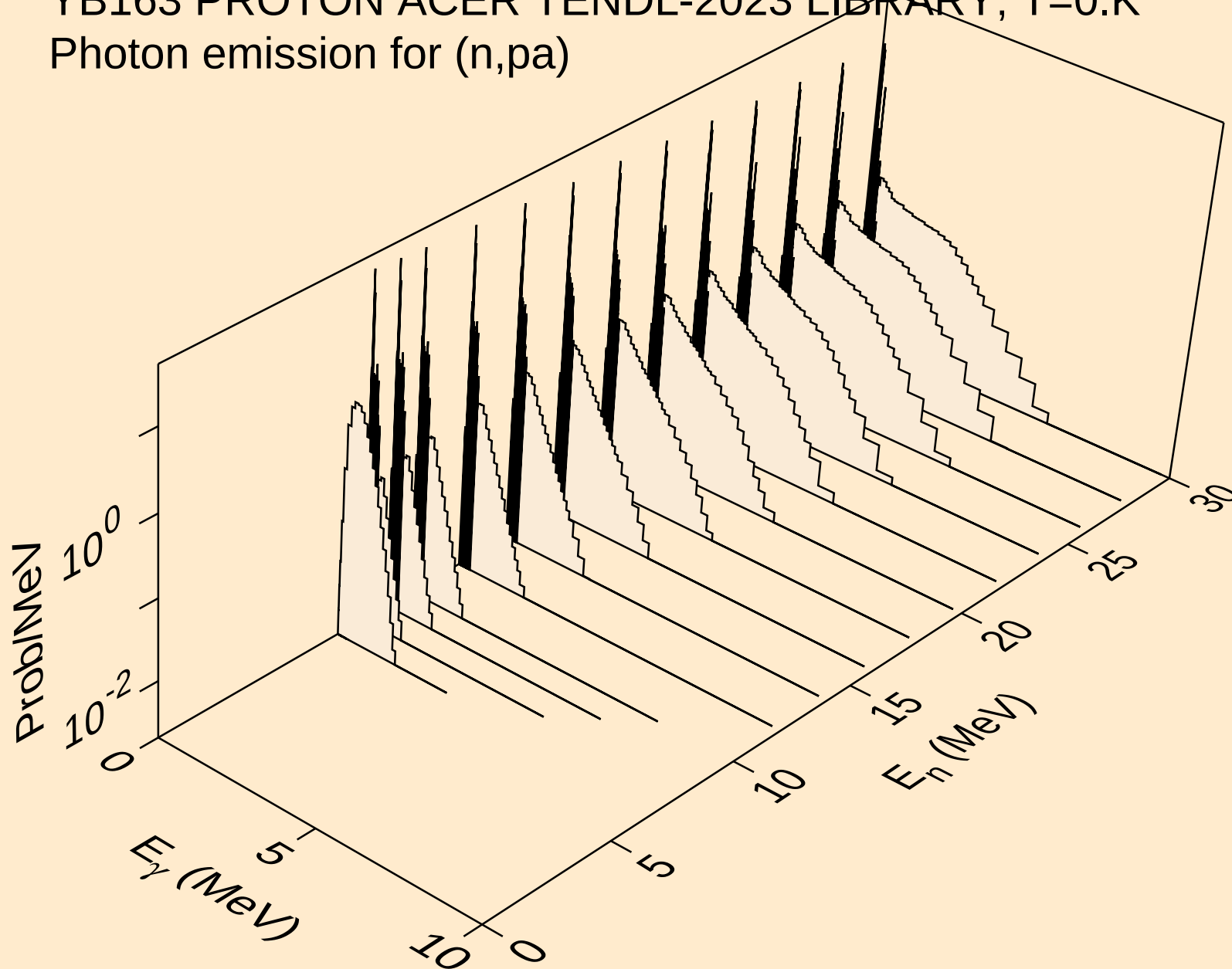


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



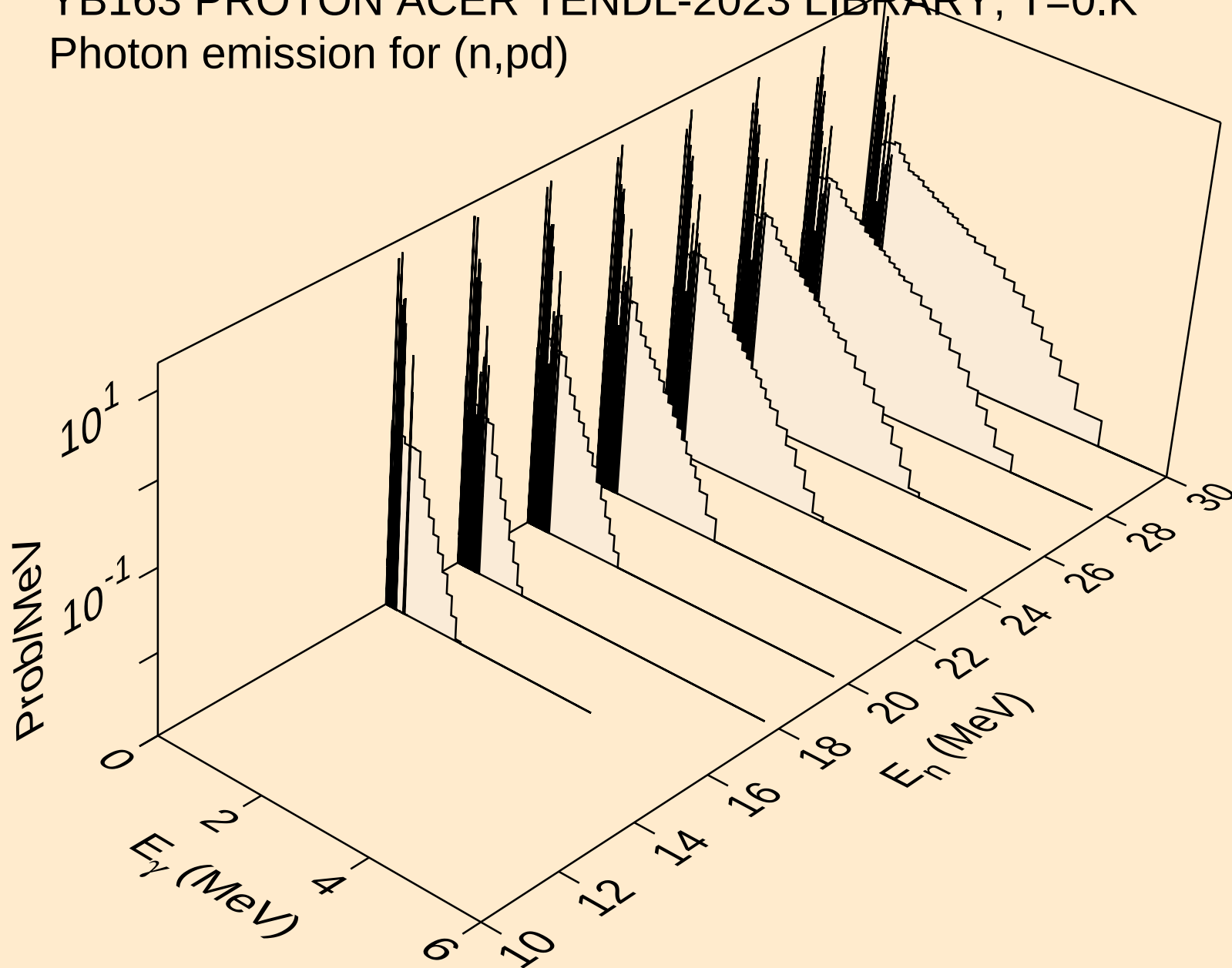
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p) α



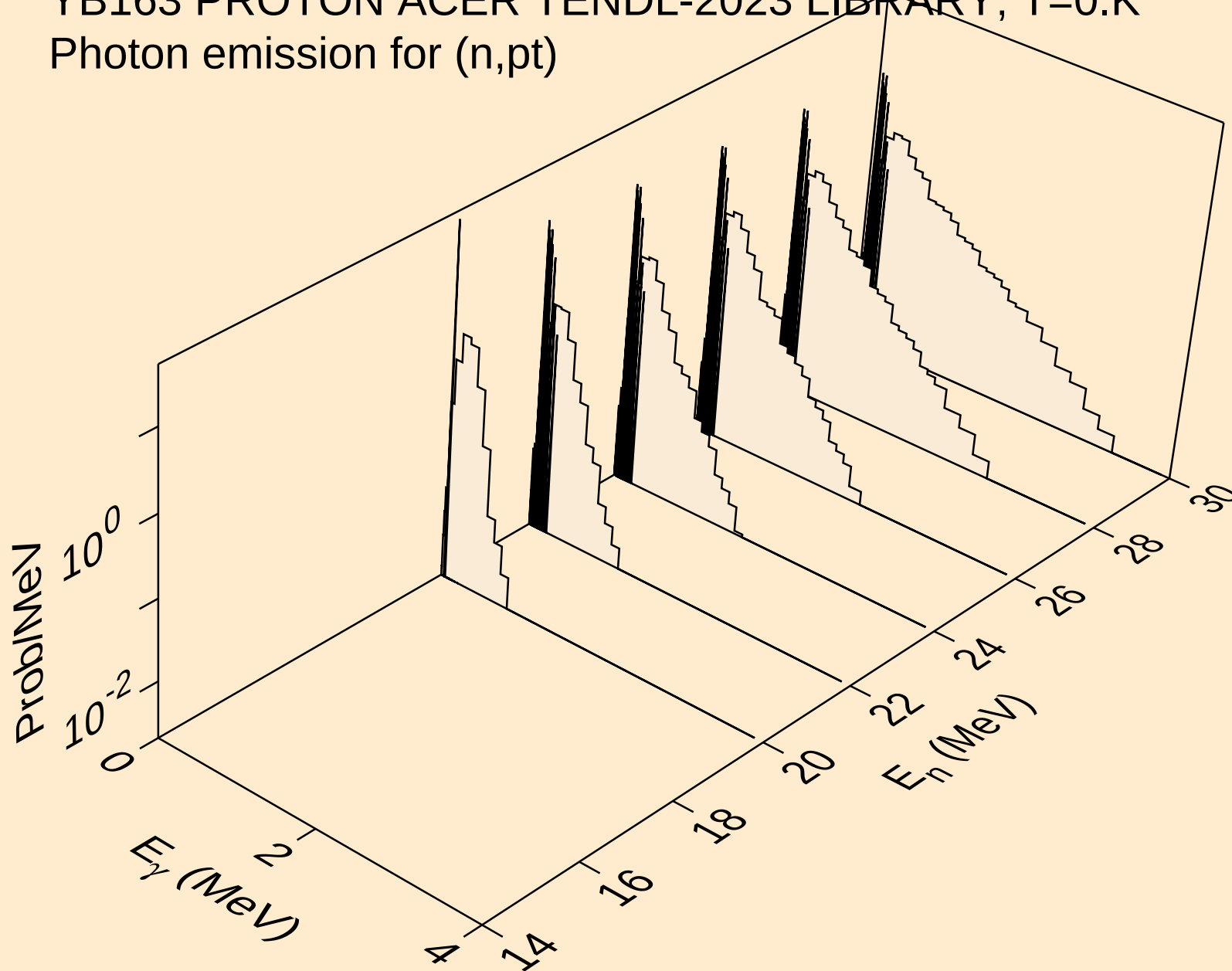
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pd)

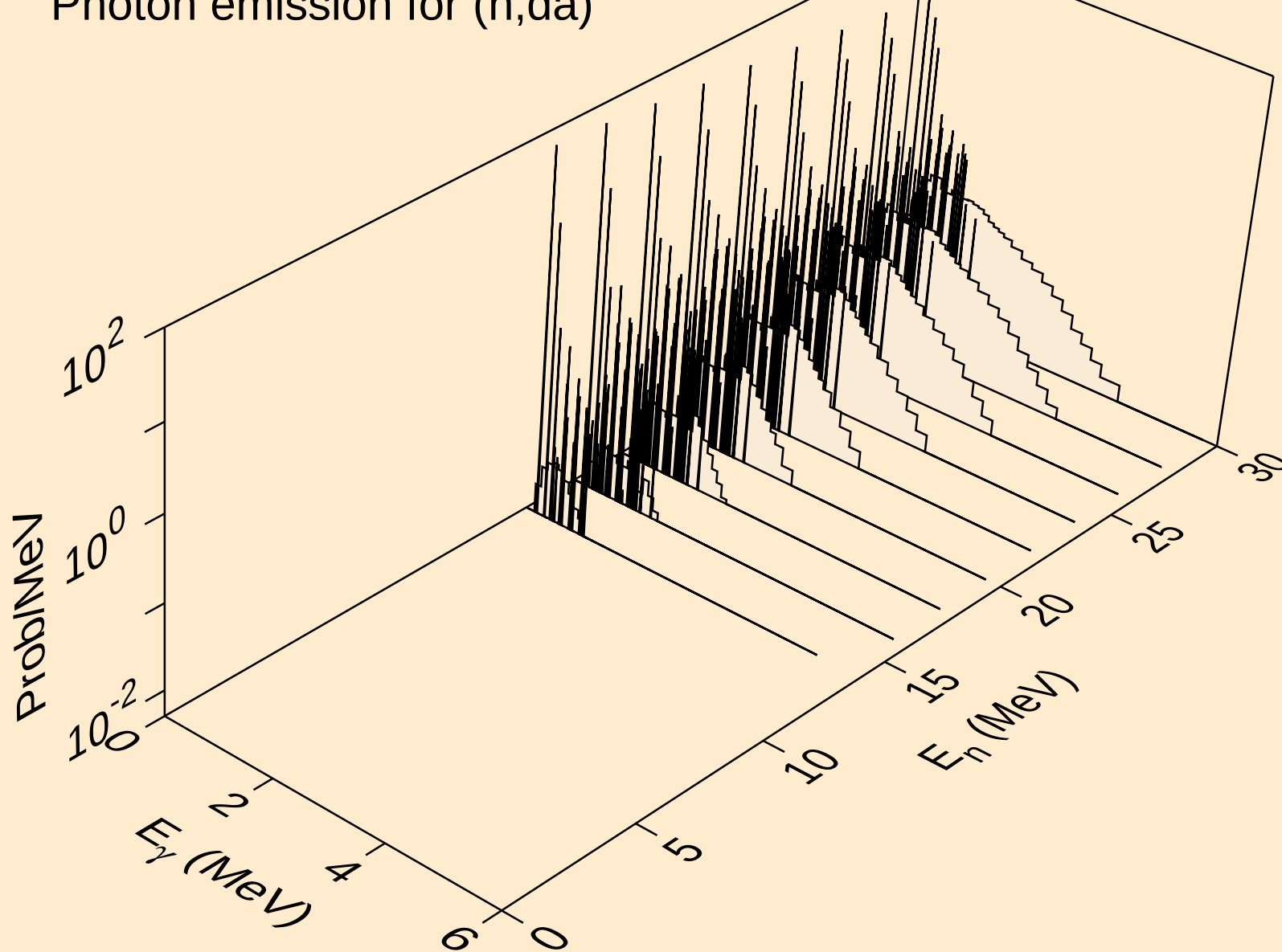


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

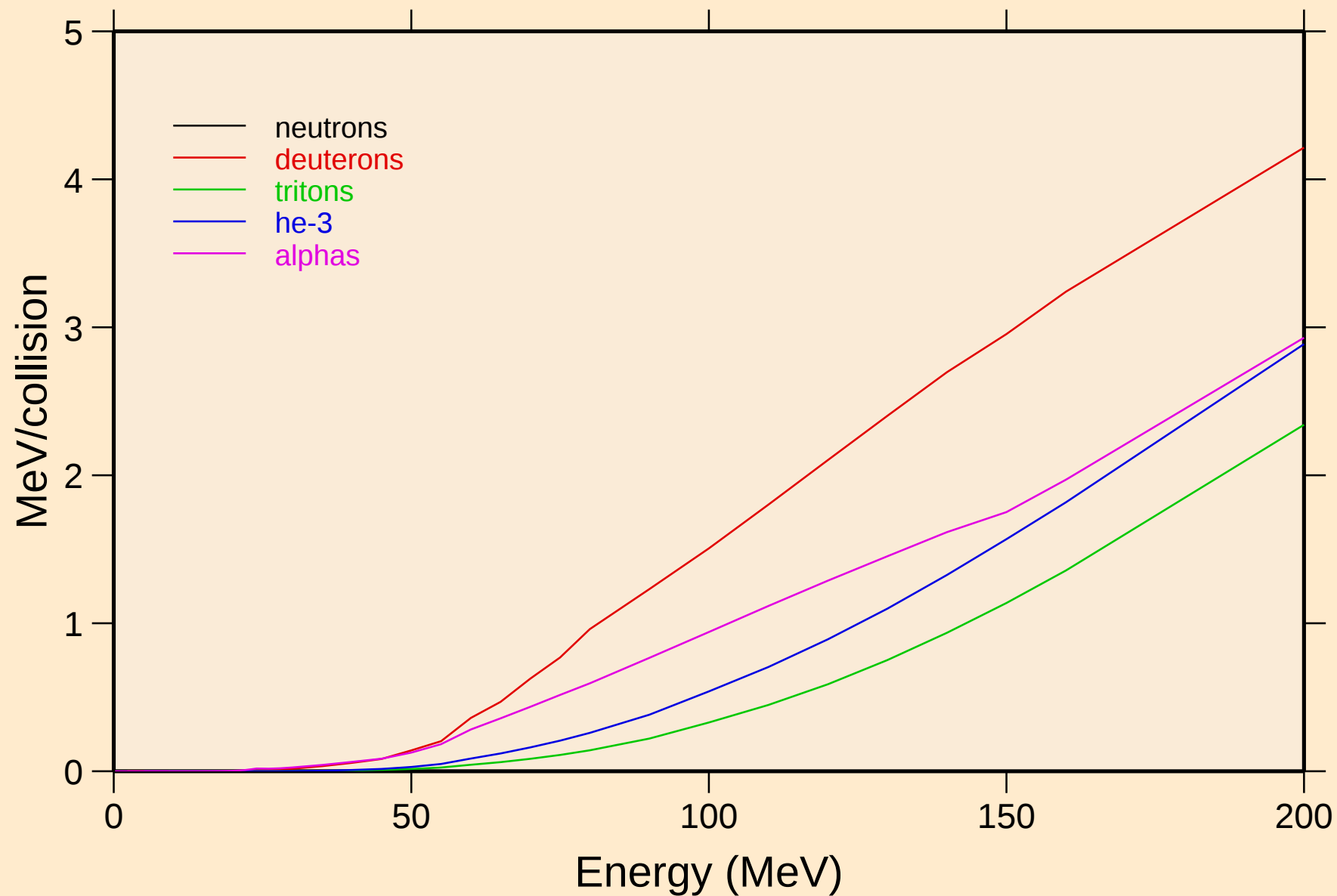


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



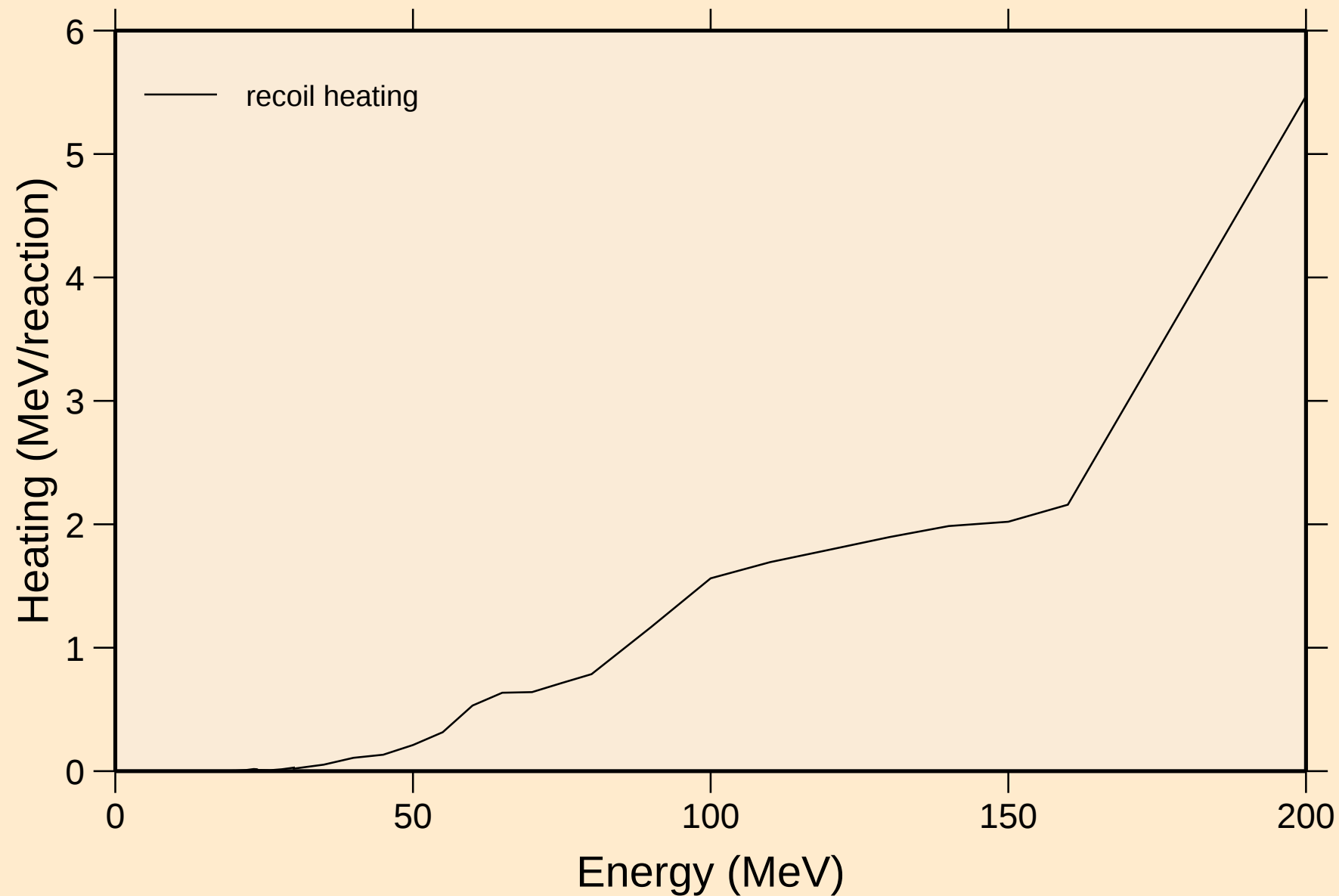
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



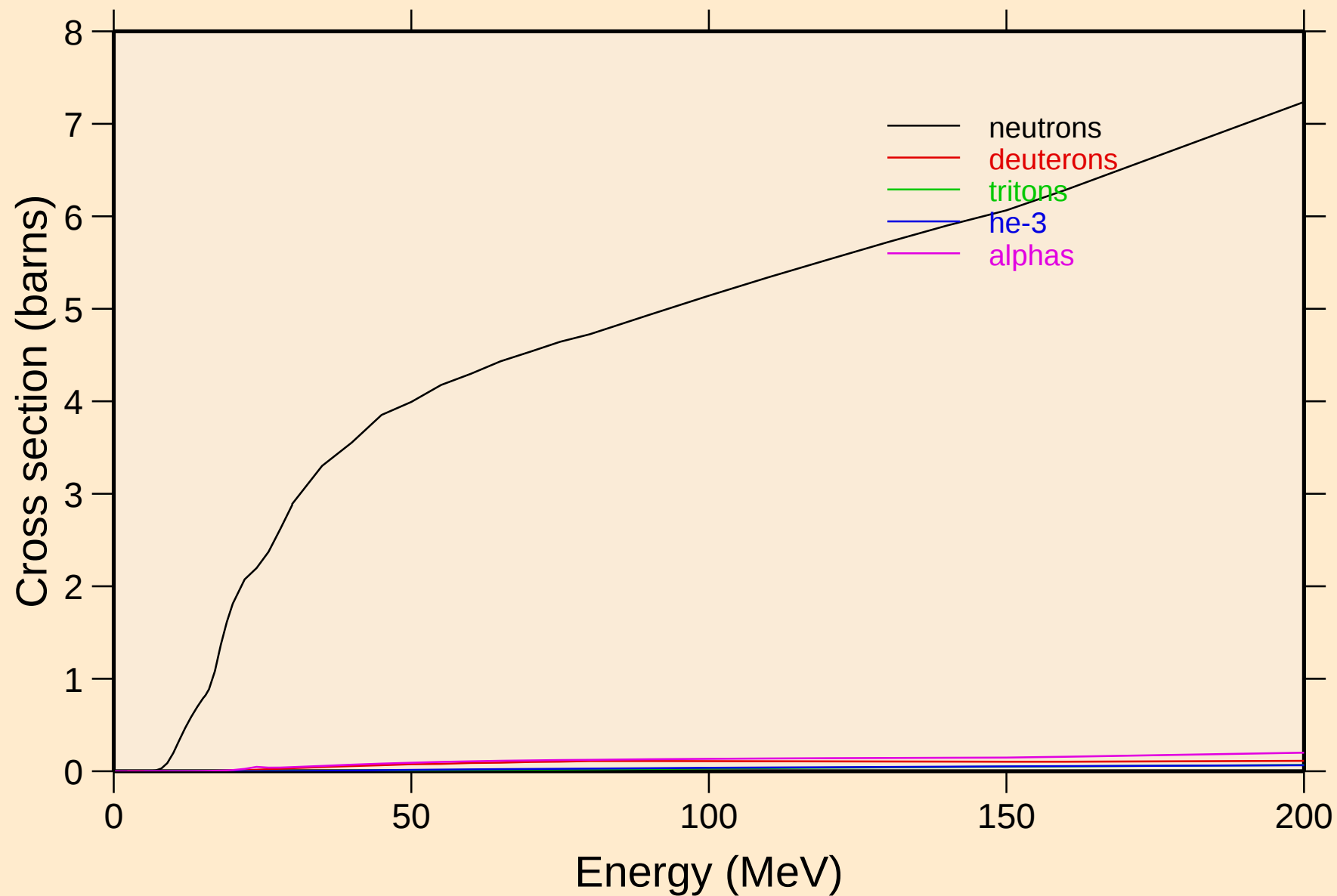
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Recoil Heating

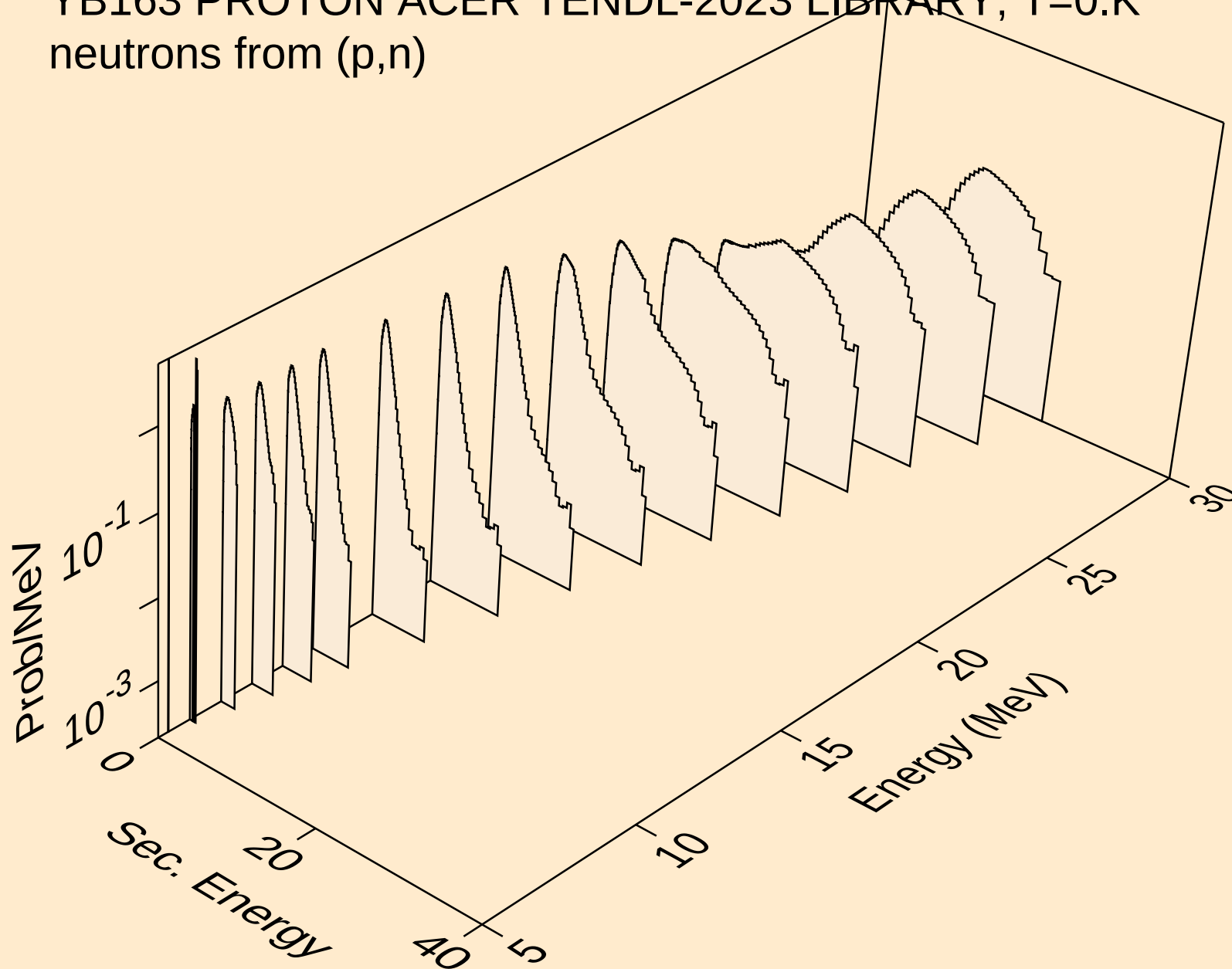


YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

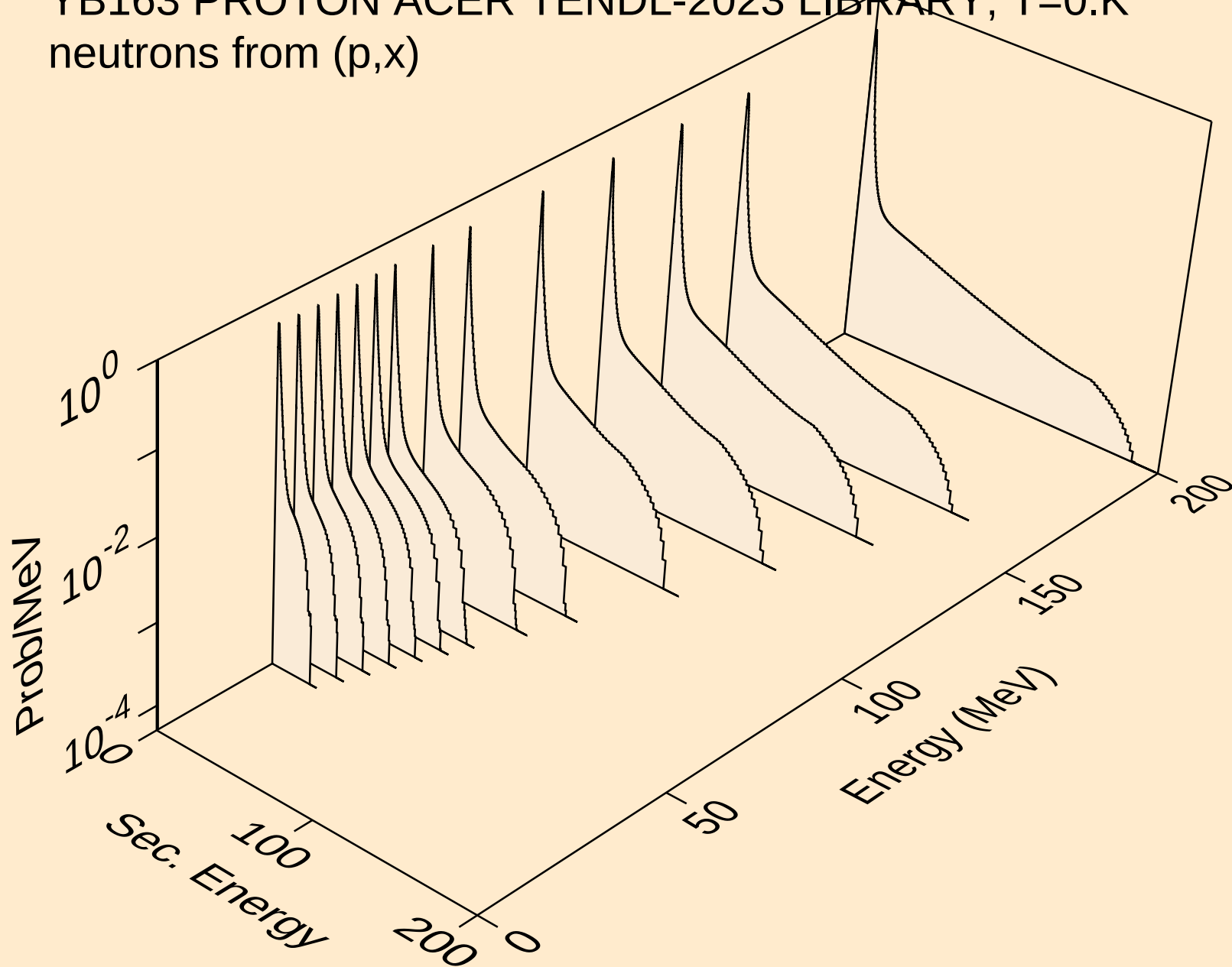
Particle production cross sections



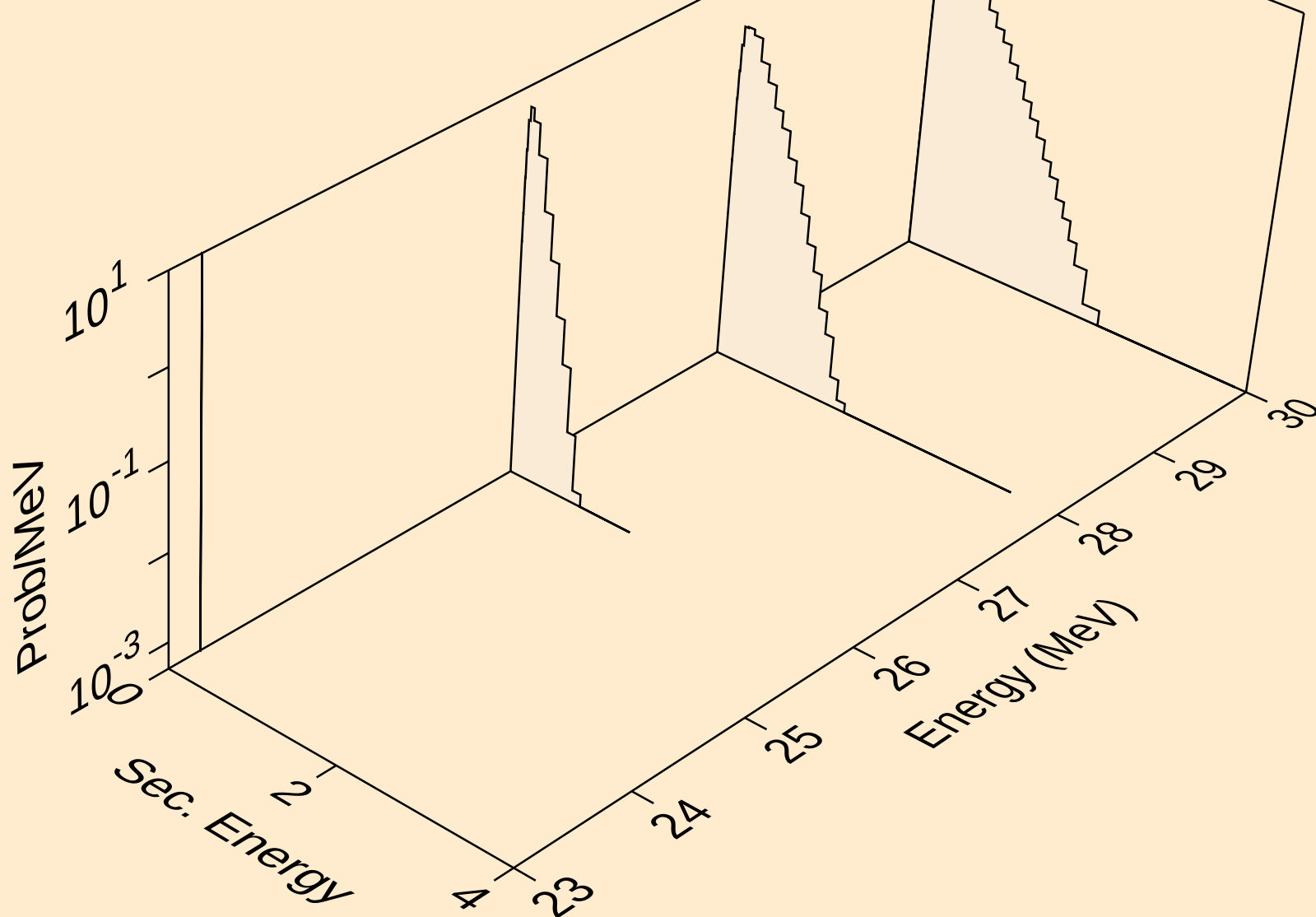
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



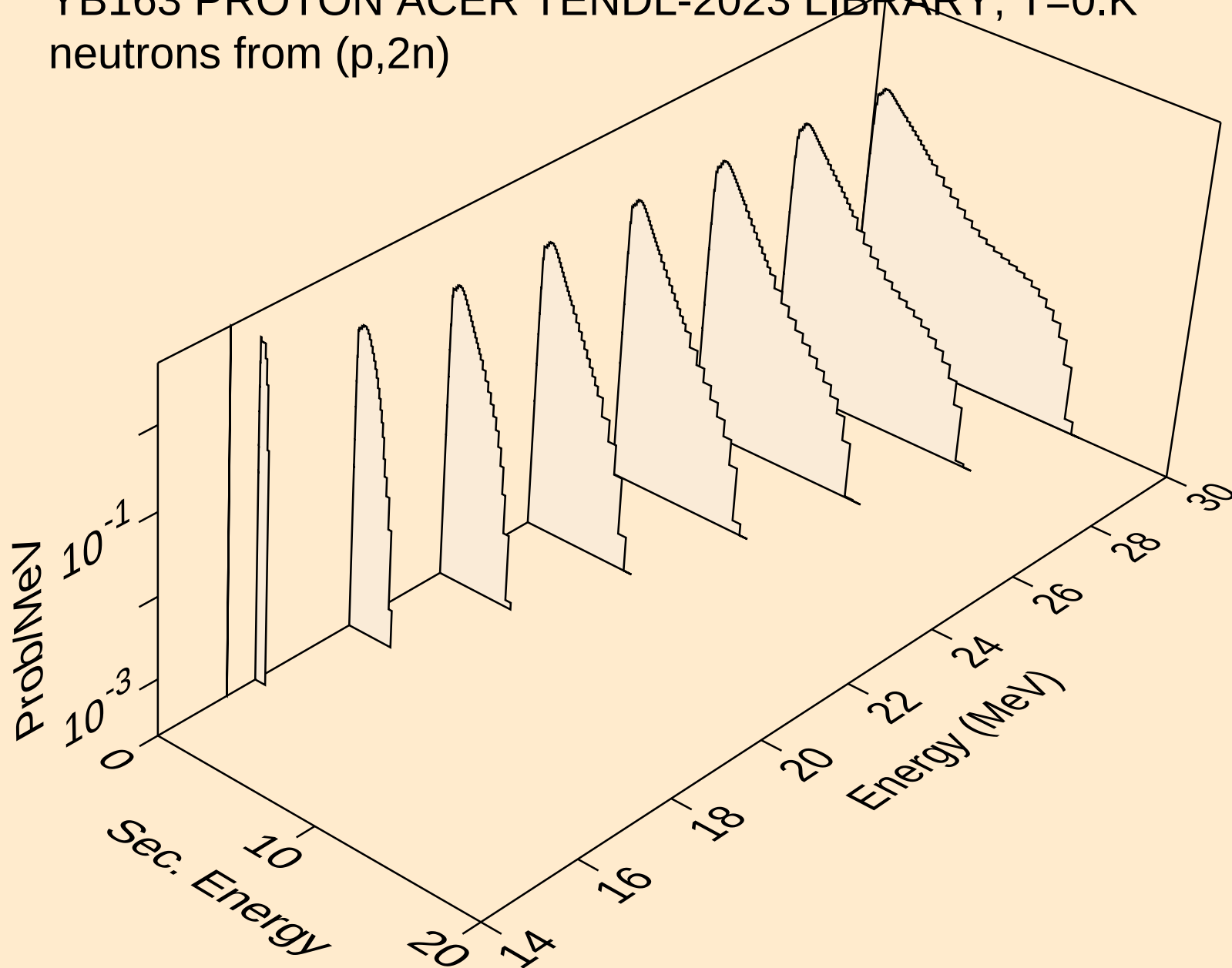
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



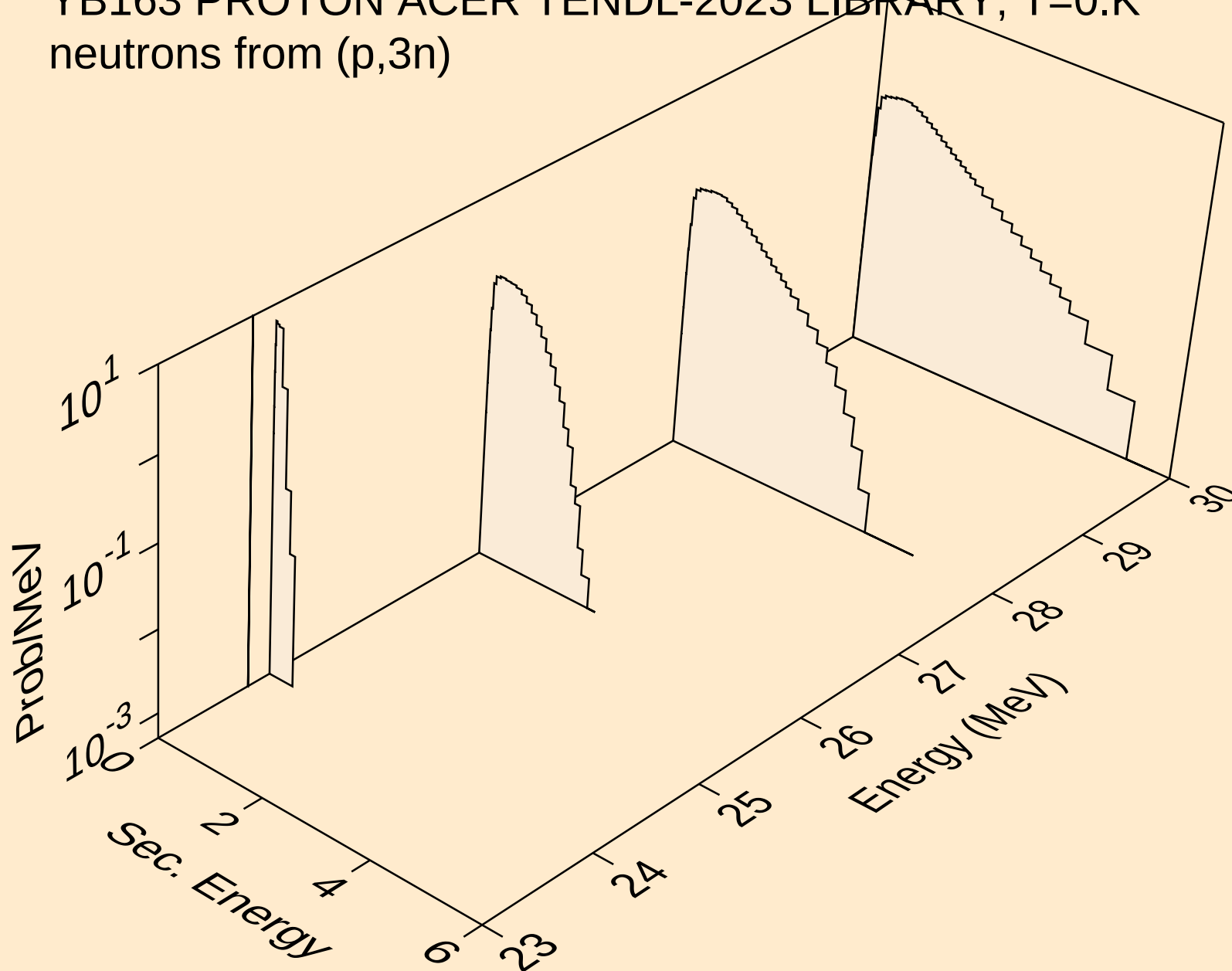
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2nd)



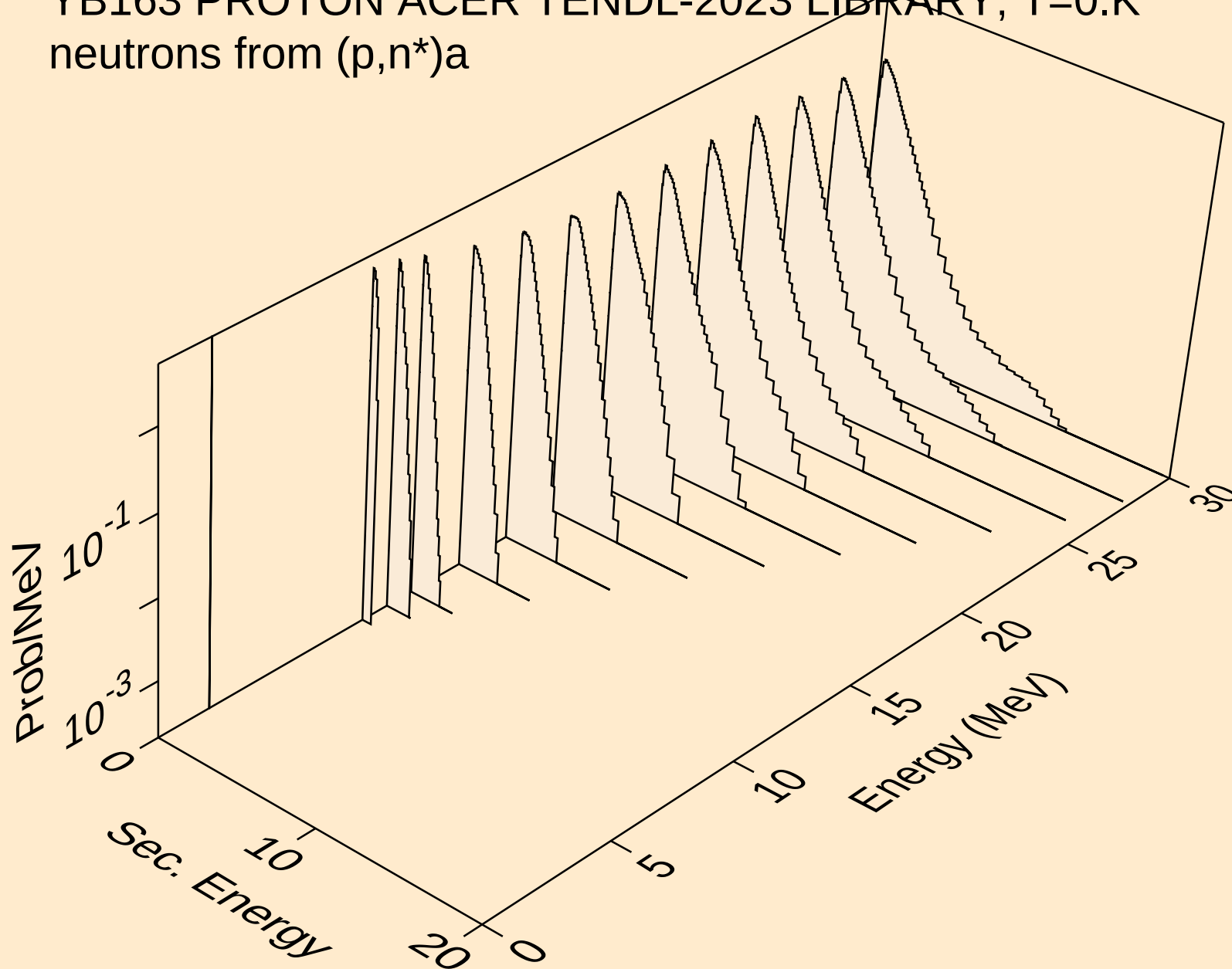
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



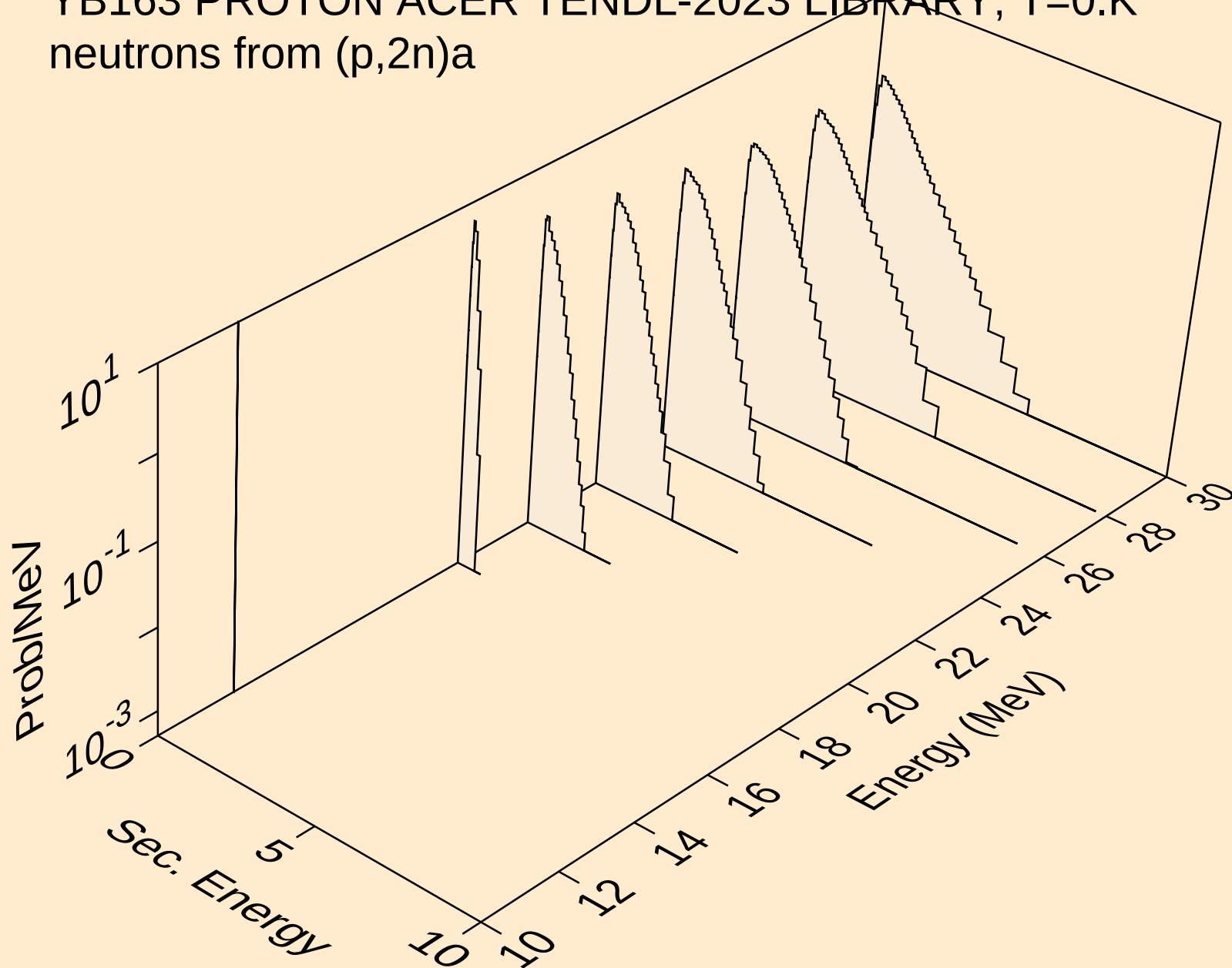
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)



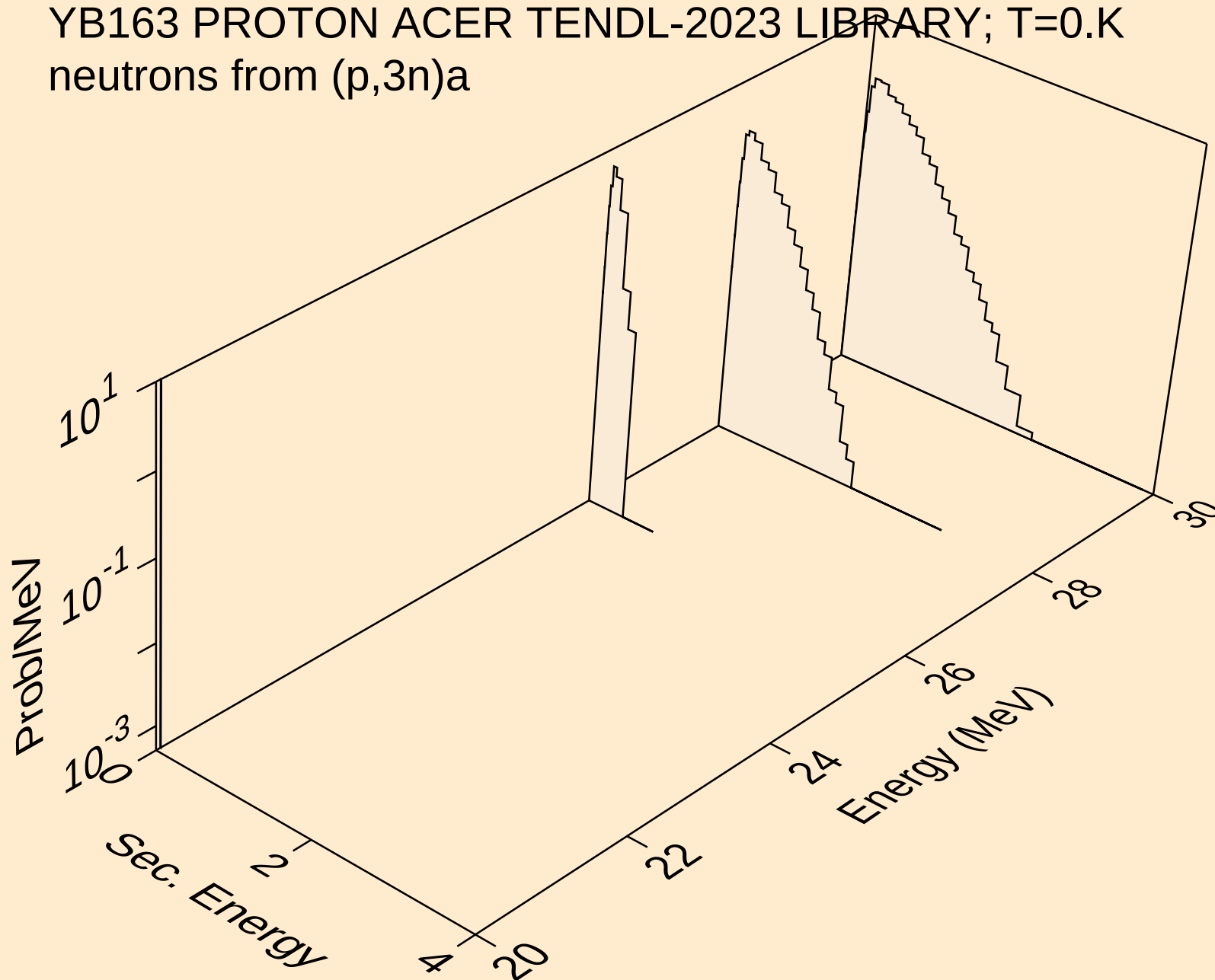
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



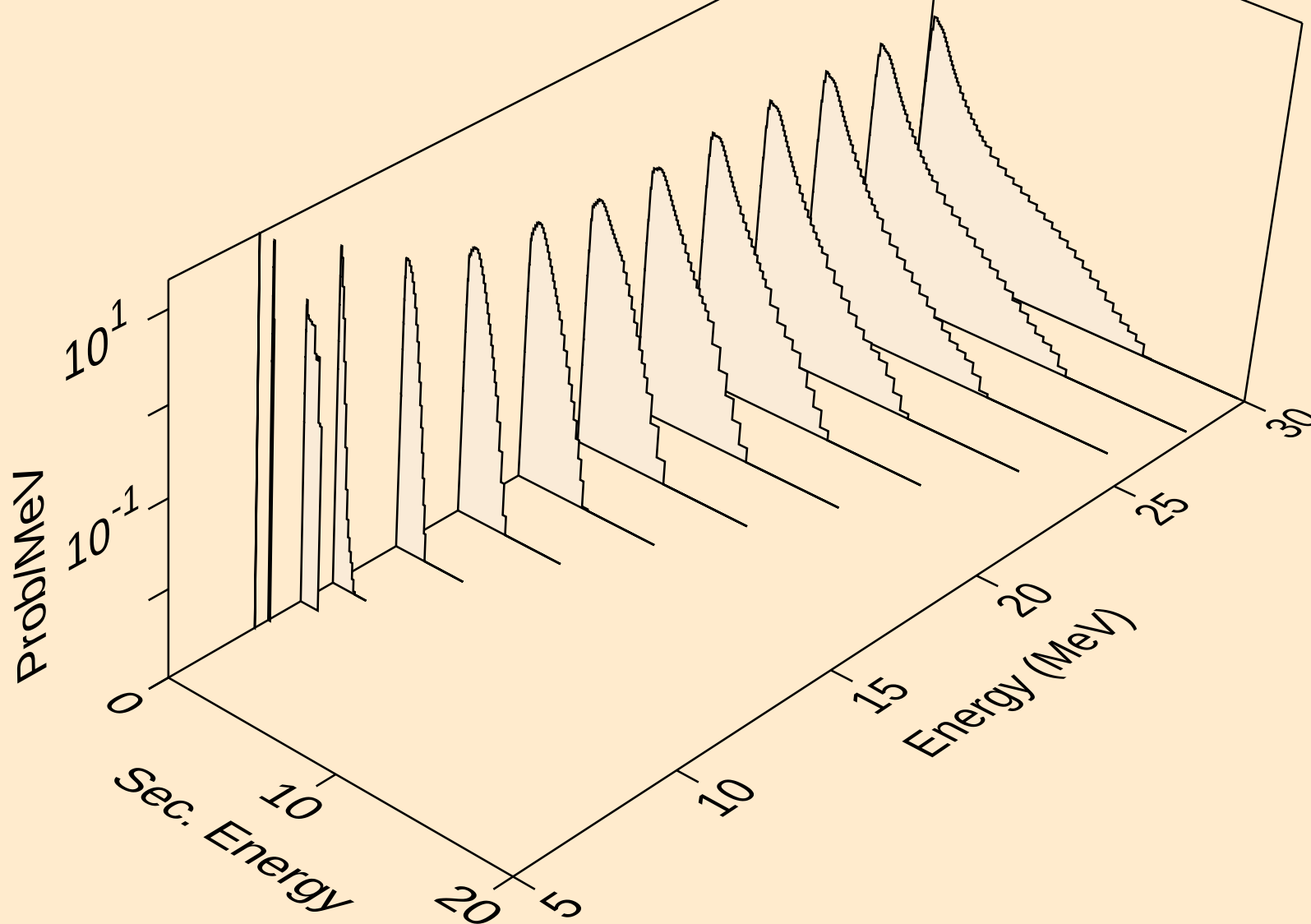
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



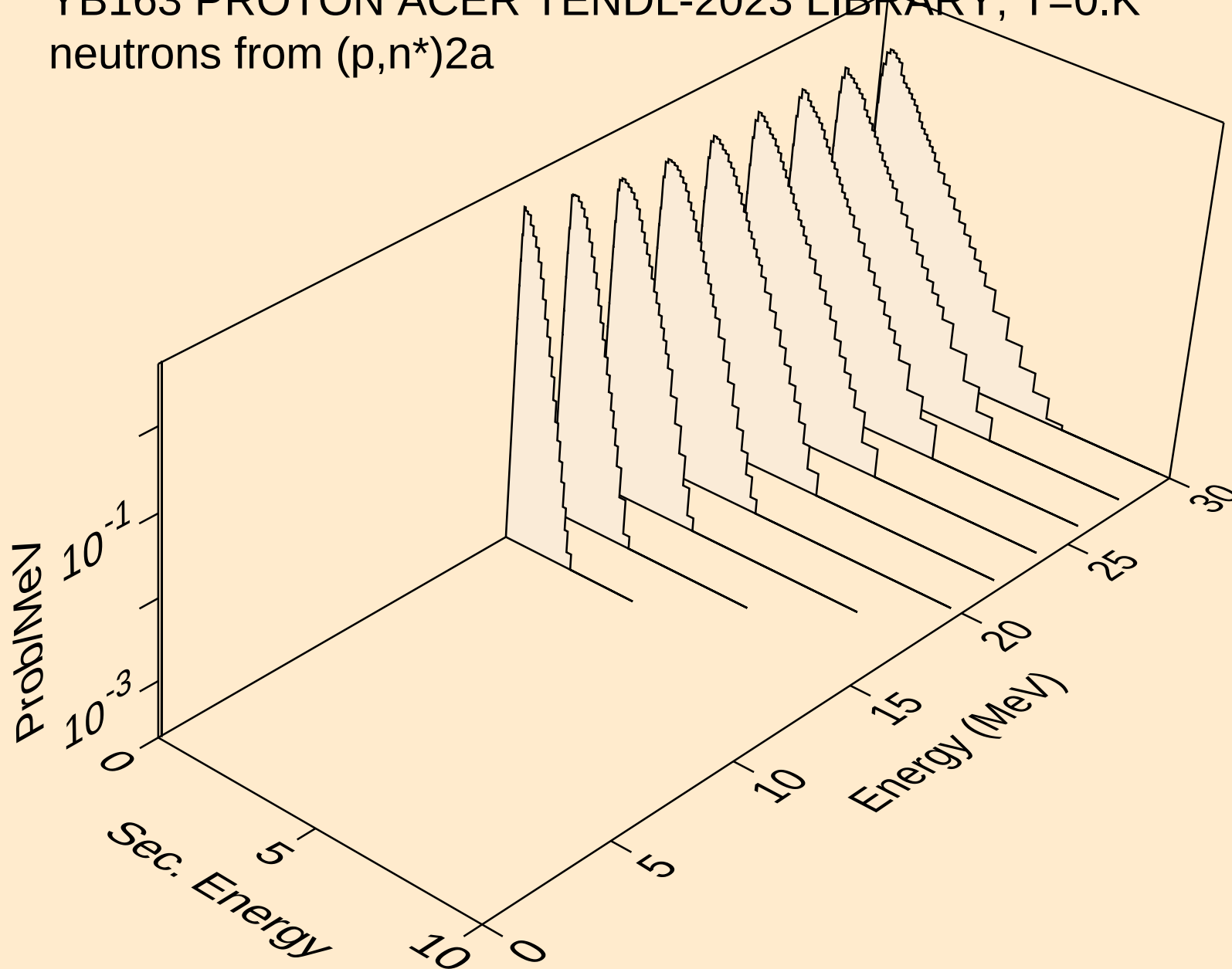
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)a



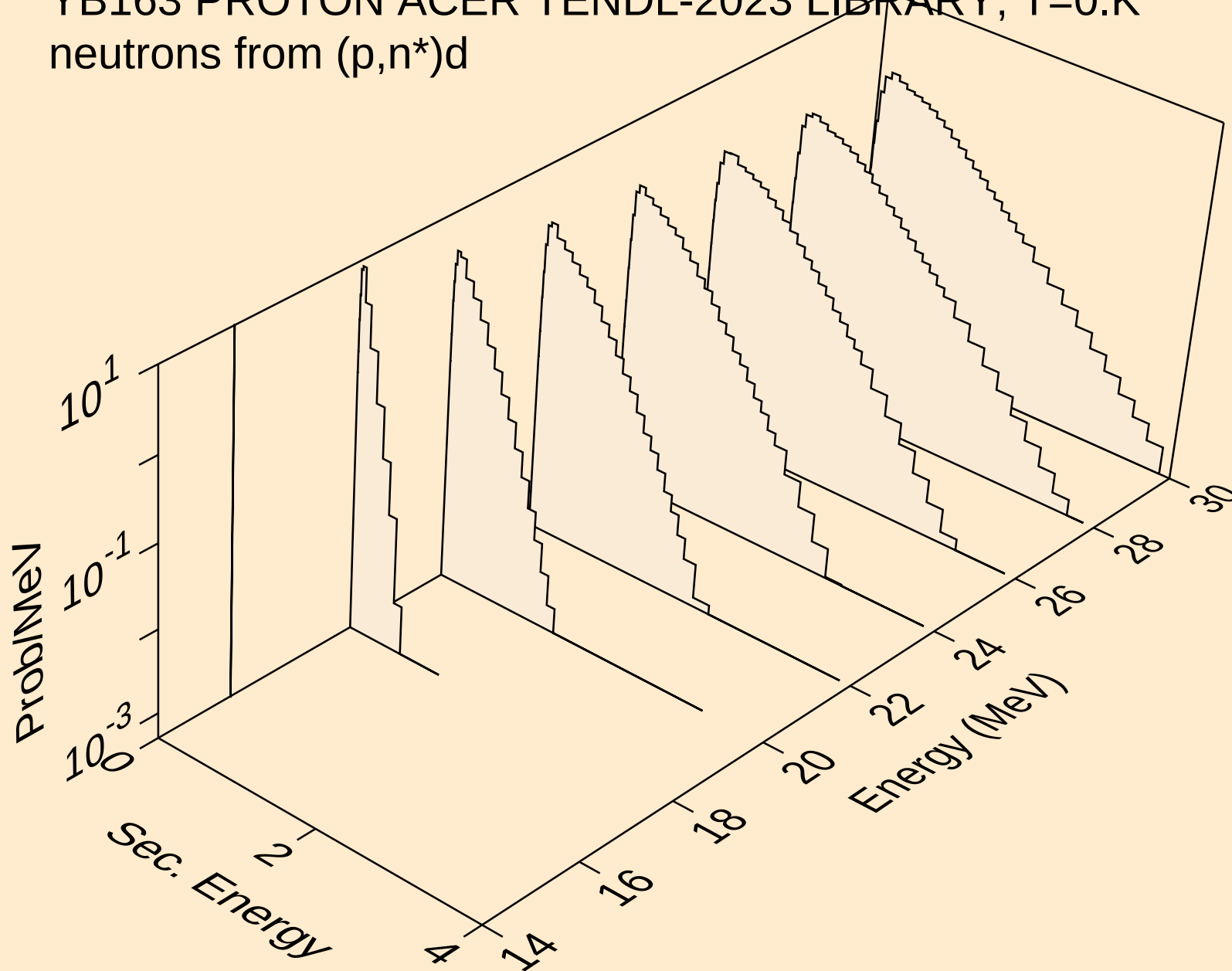
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p



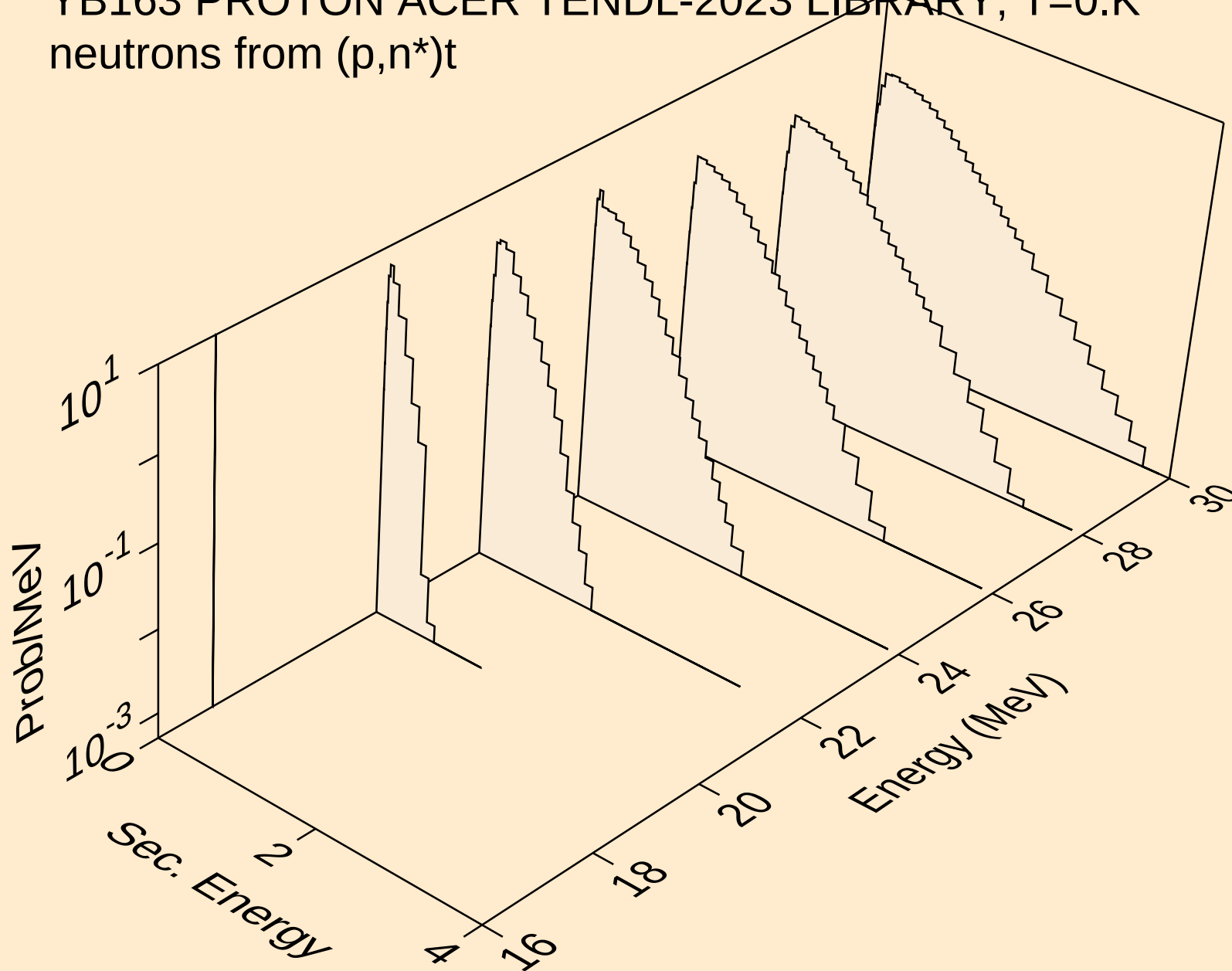
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neutrons from (p,n*)2a



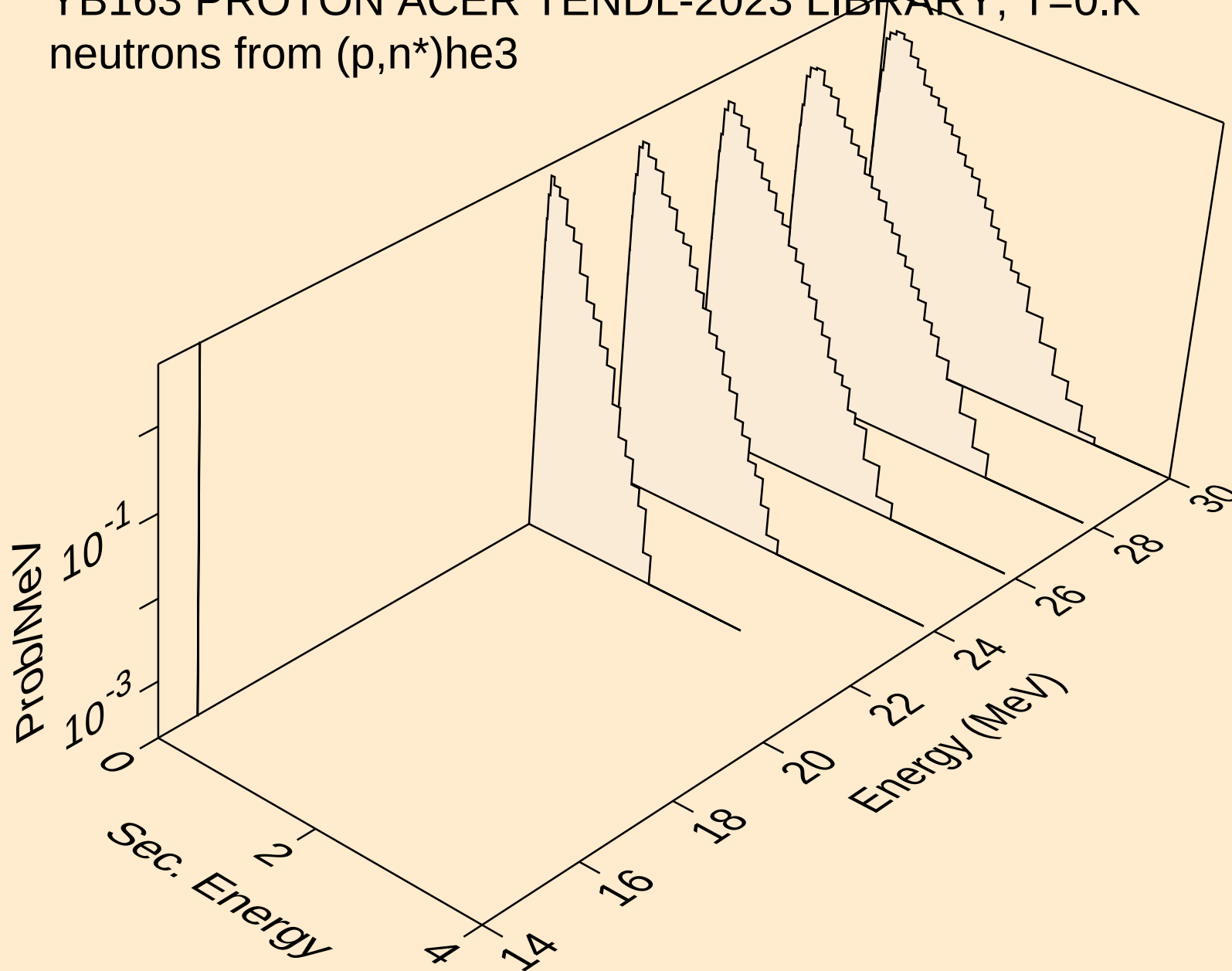
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neutrons from $(p,n^*)d$



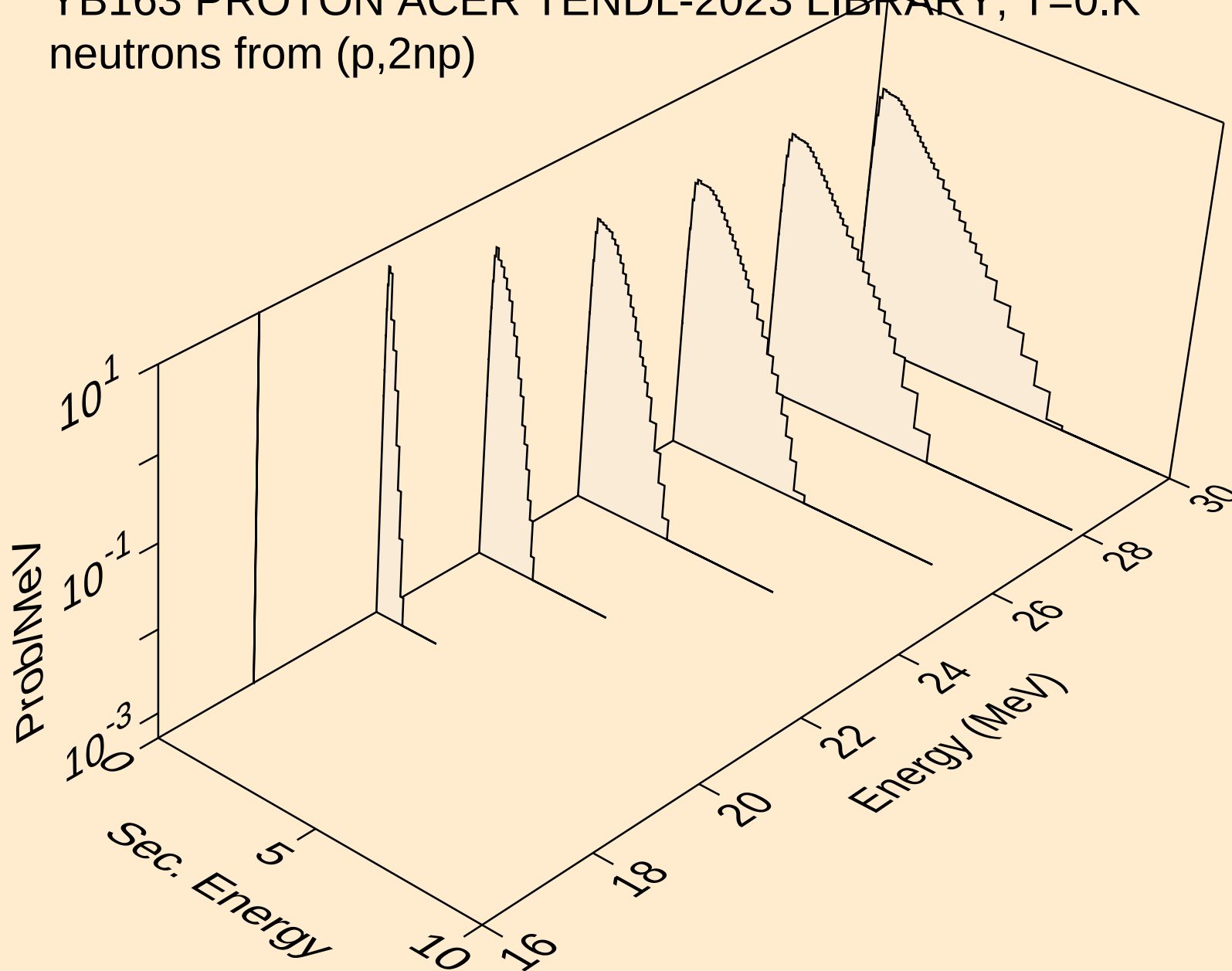
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neutrons from (p,n*)t



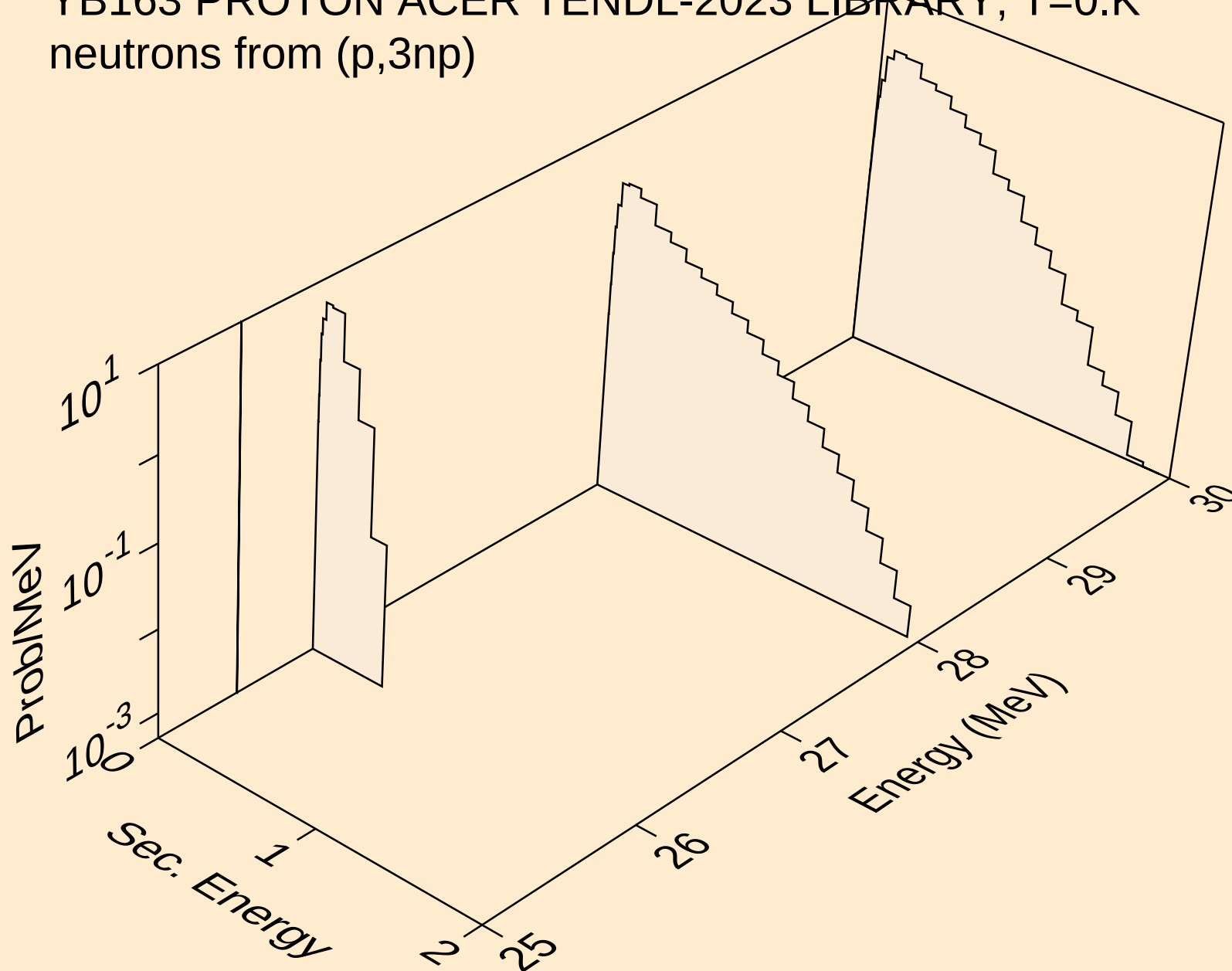
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



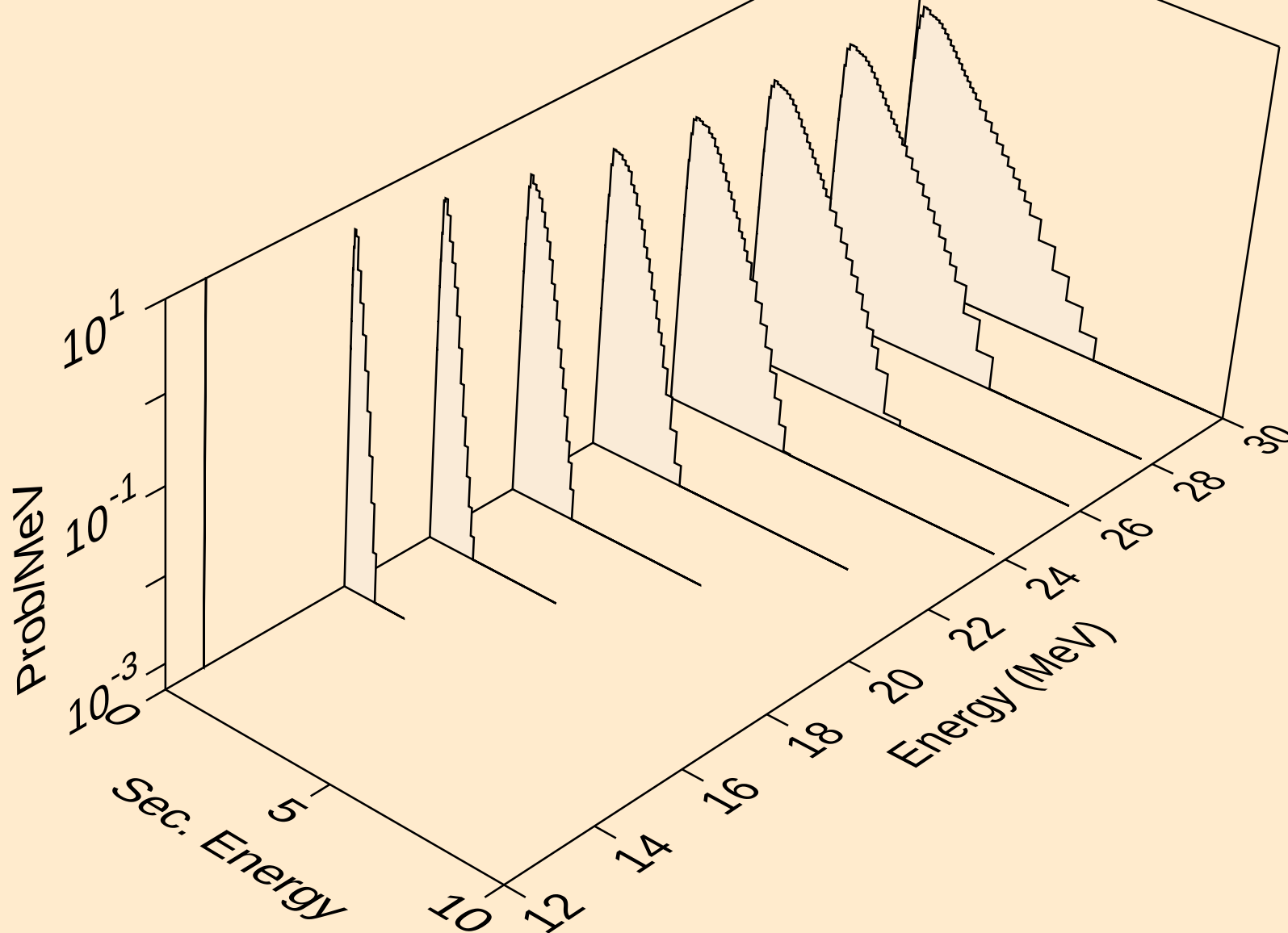
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2np)



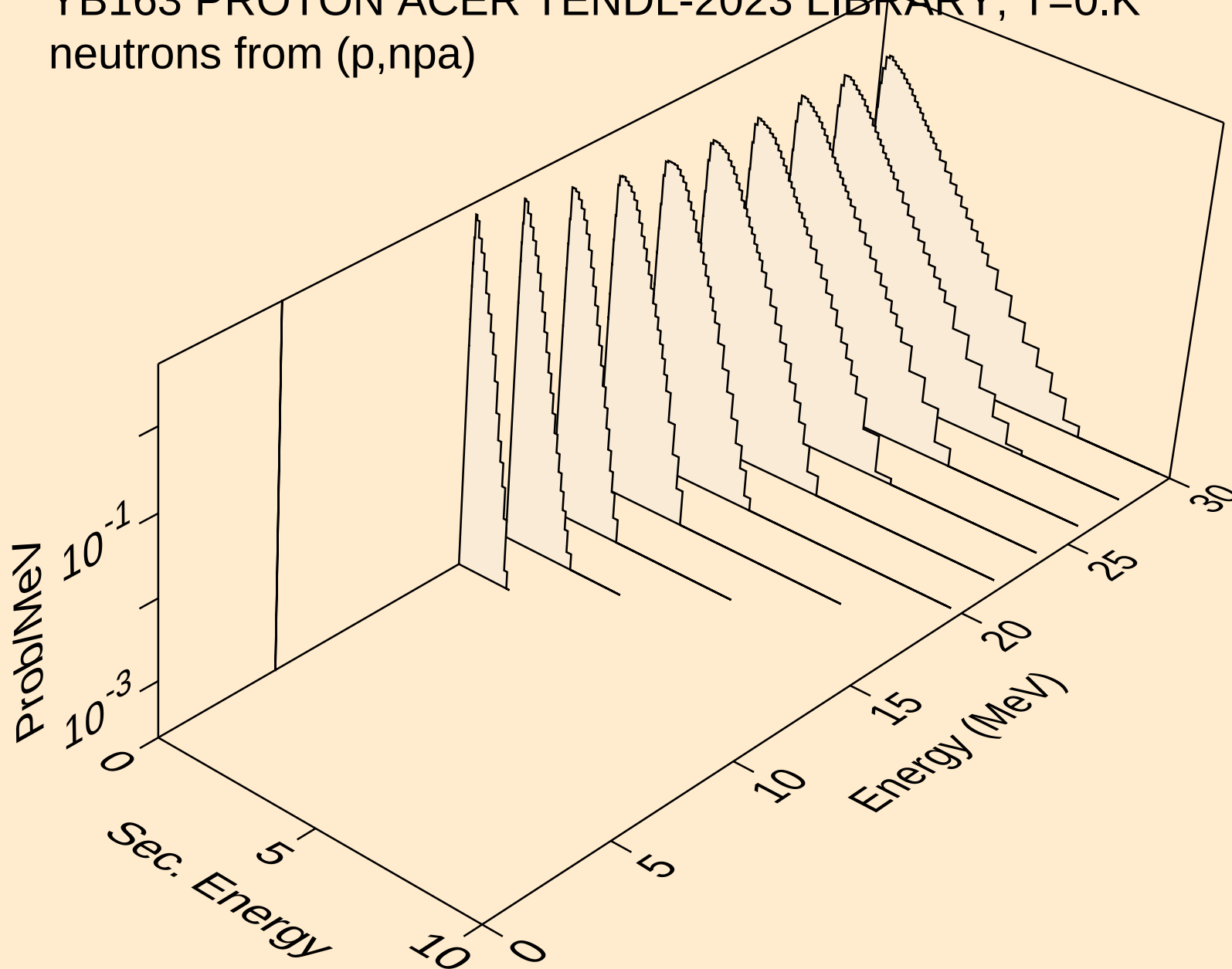
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3np)



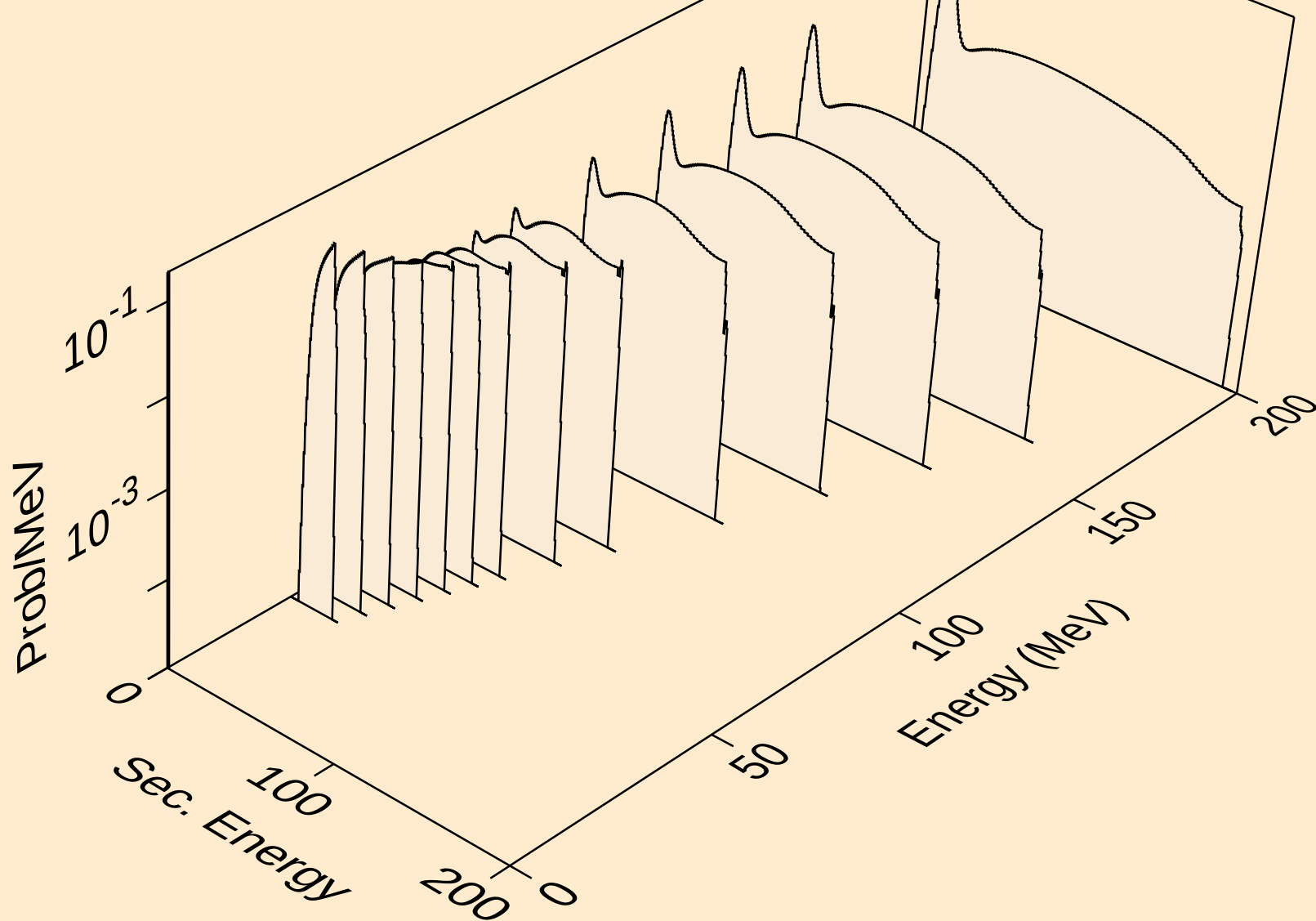
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neutrons from (p,n2p)



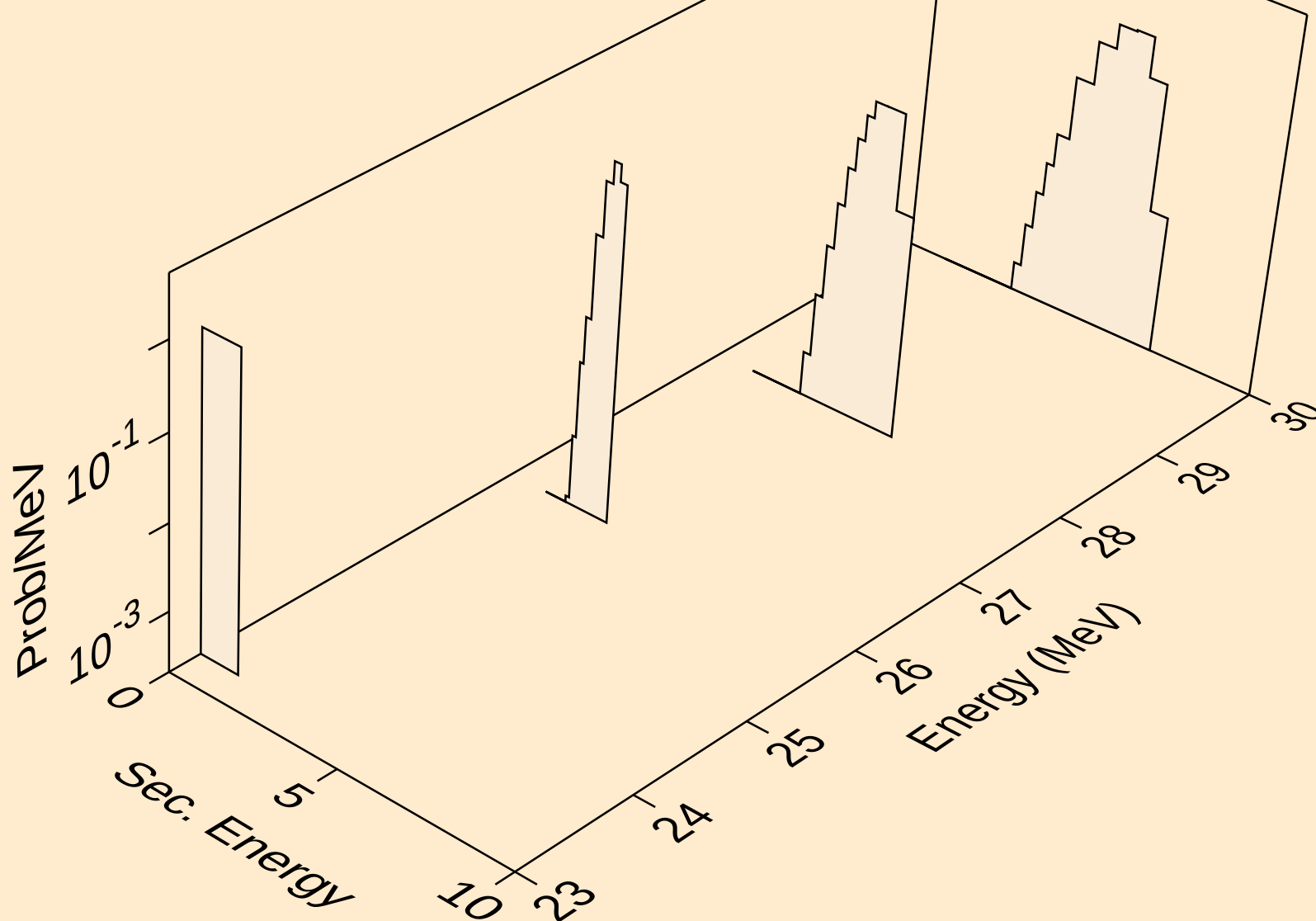
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neutrons from (p,npa)



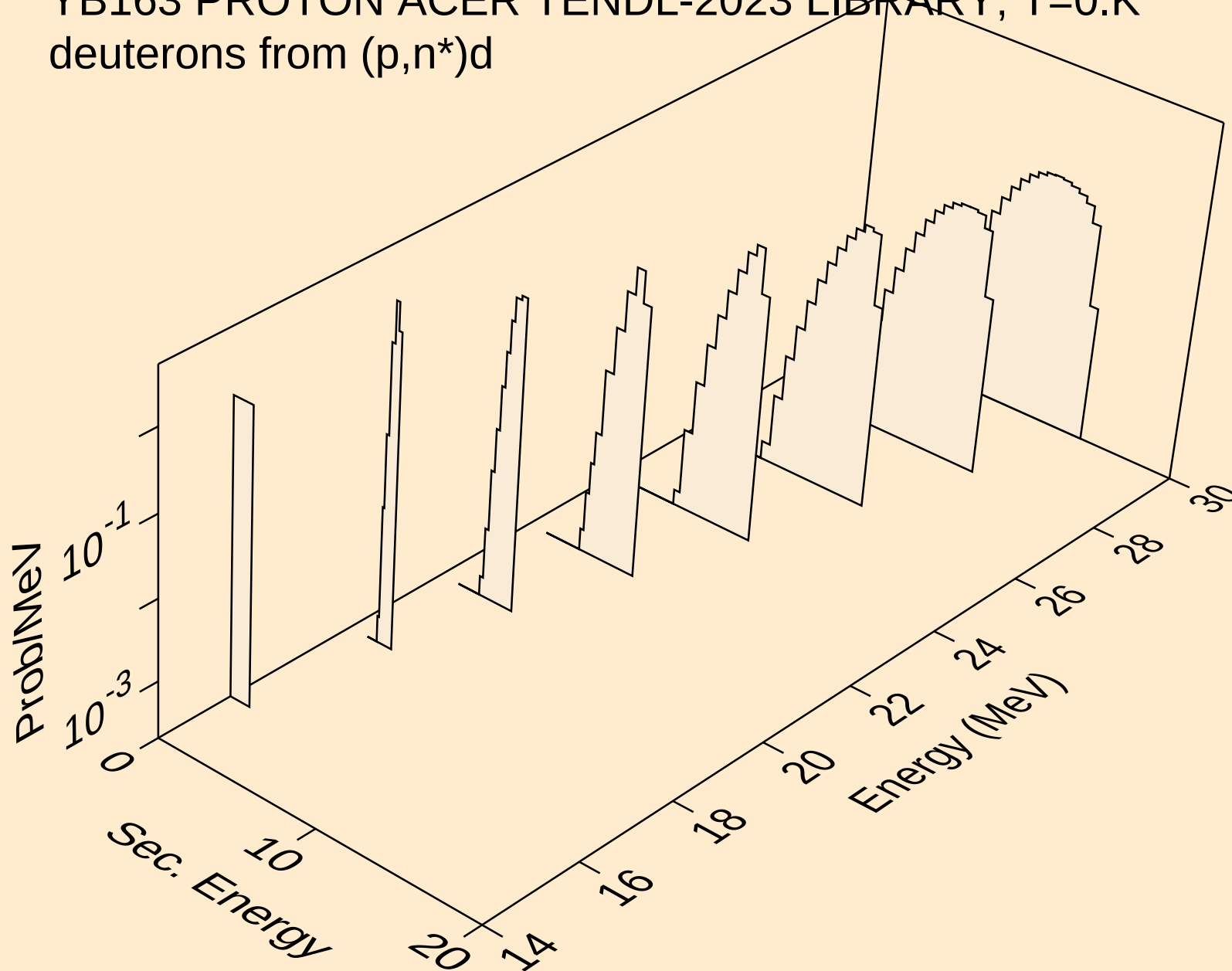
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deuterons from (p,x)



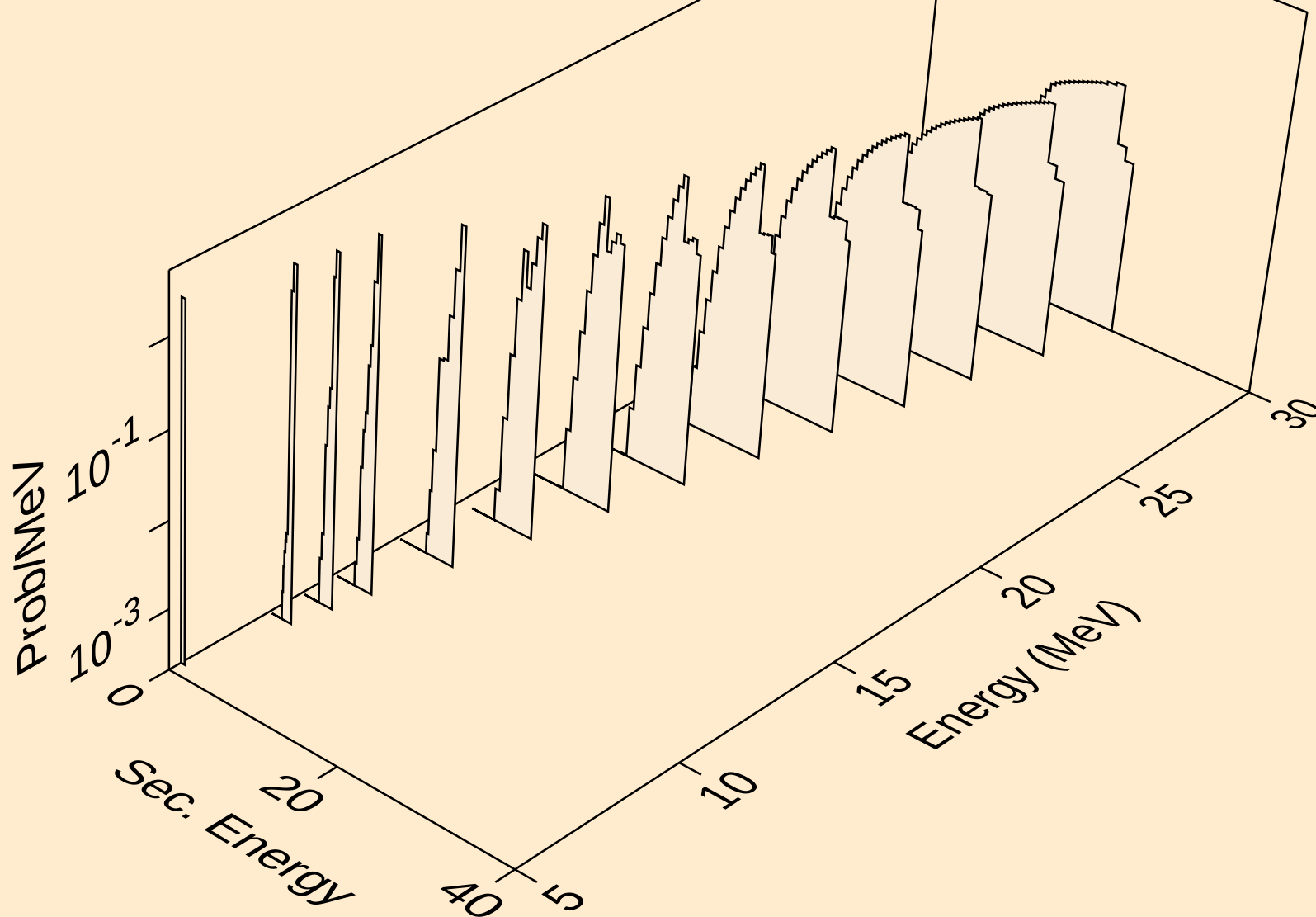
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deuterons from (p,2nd)



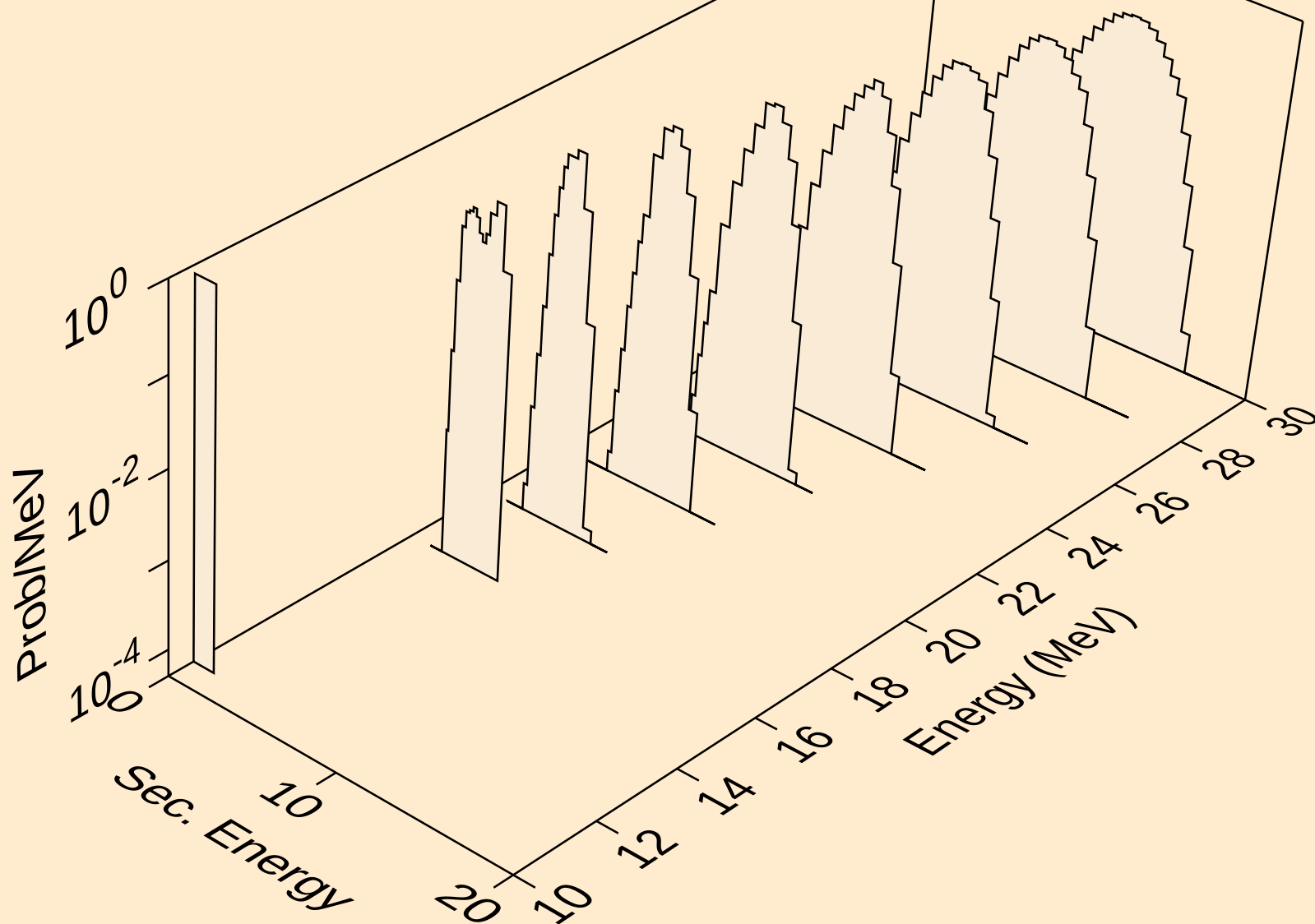
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d



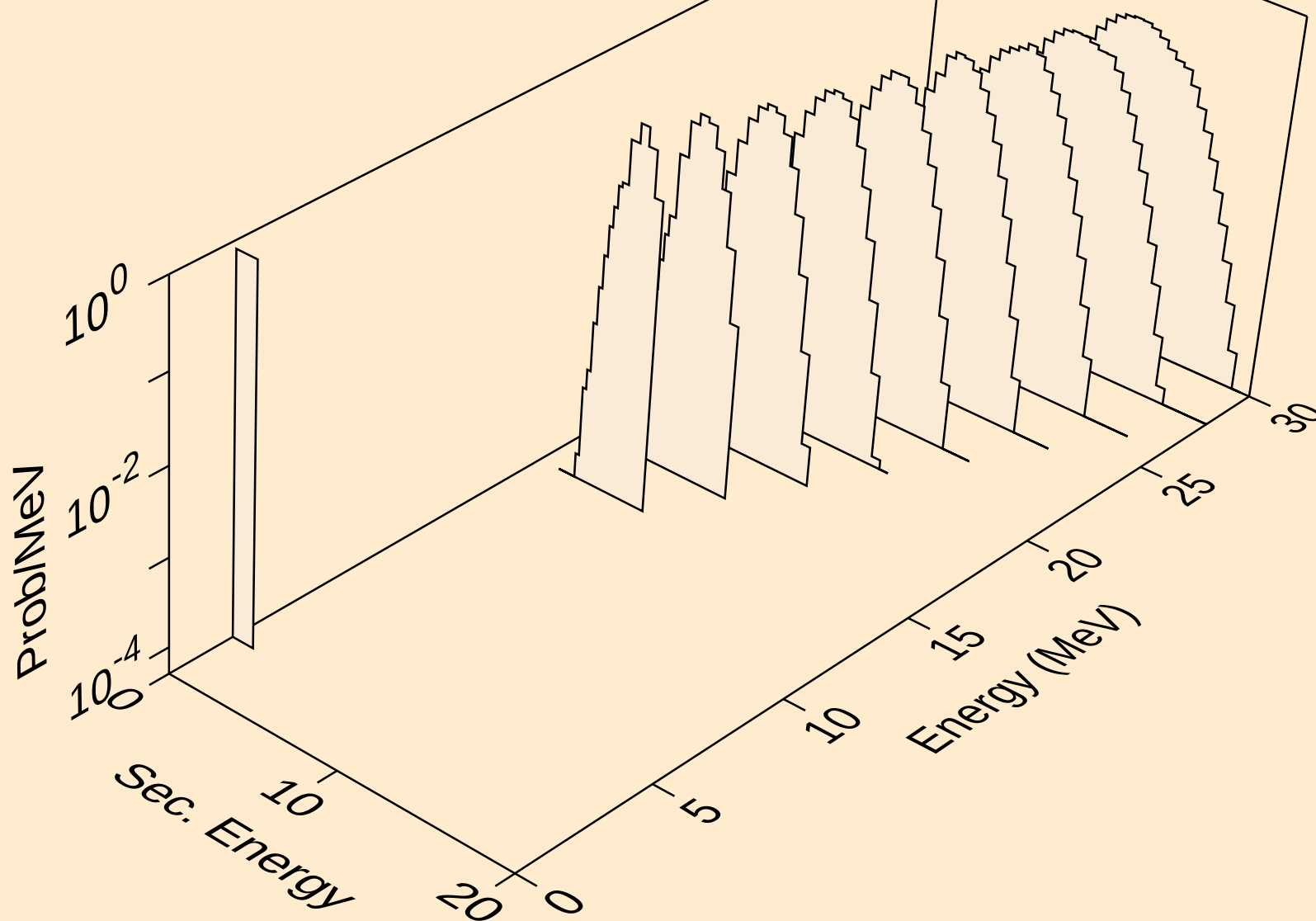
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deuterons from (p,d)



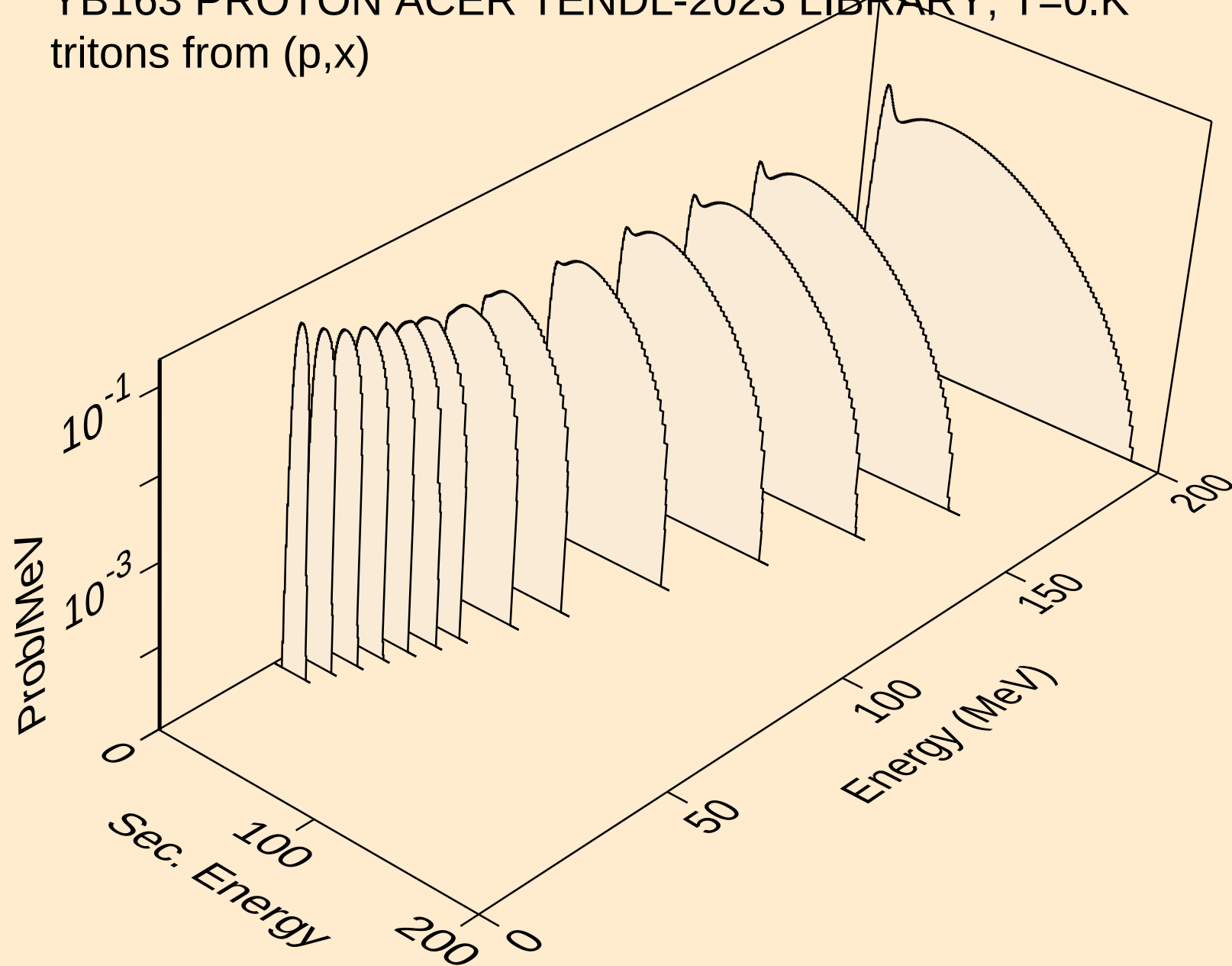
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deuterons from (p,pd)



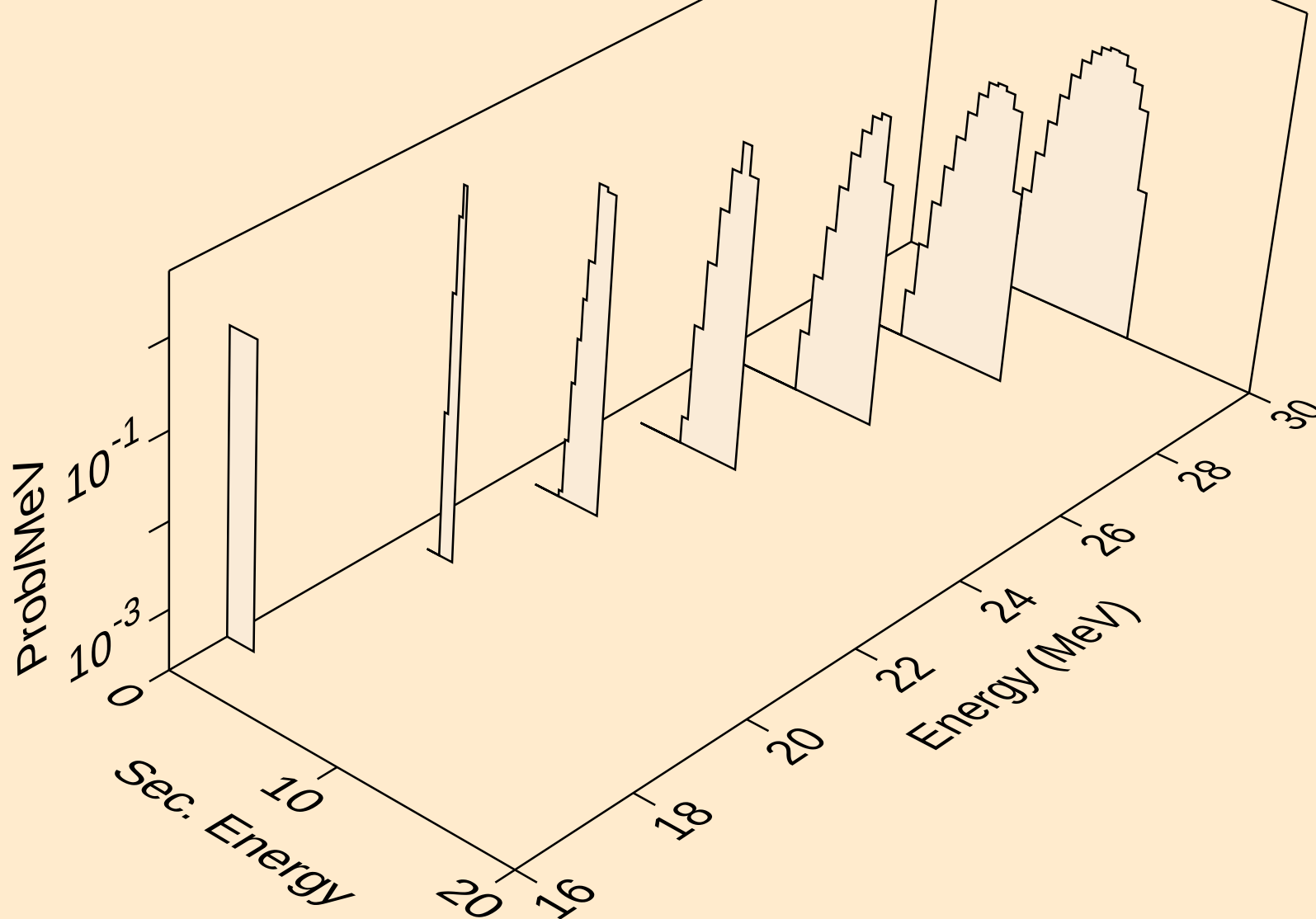
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deuterons from (p,da)



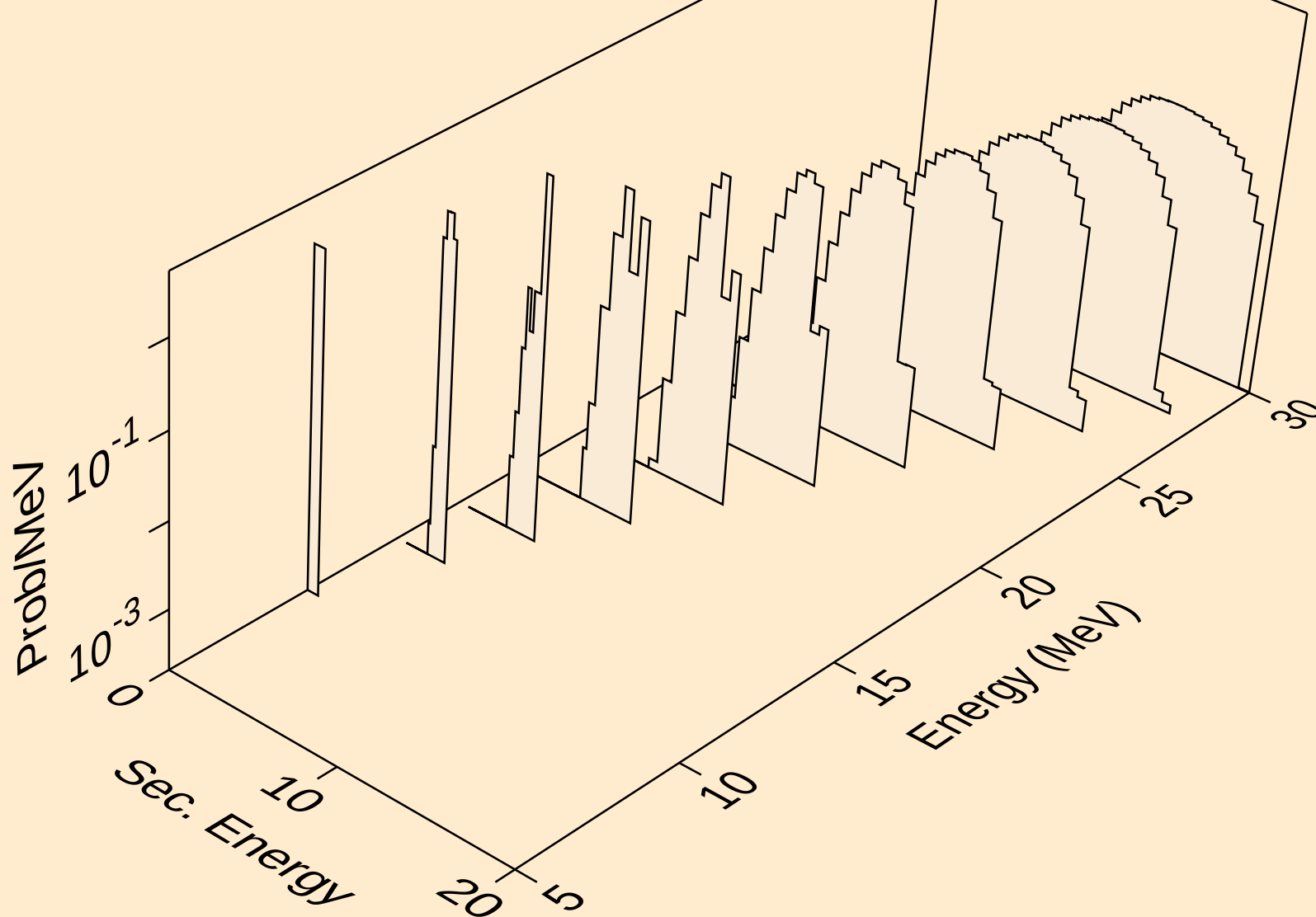
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tritons from (p,x)



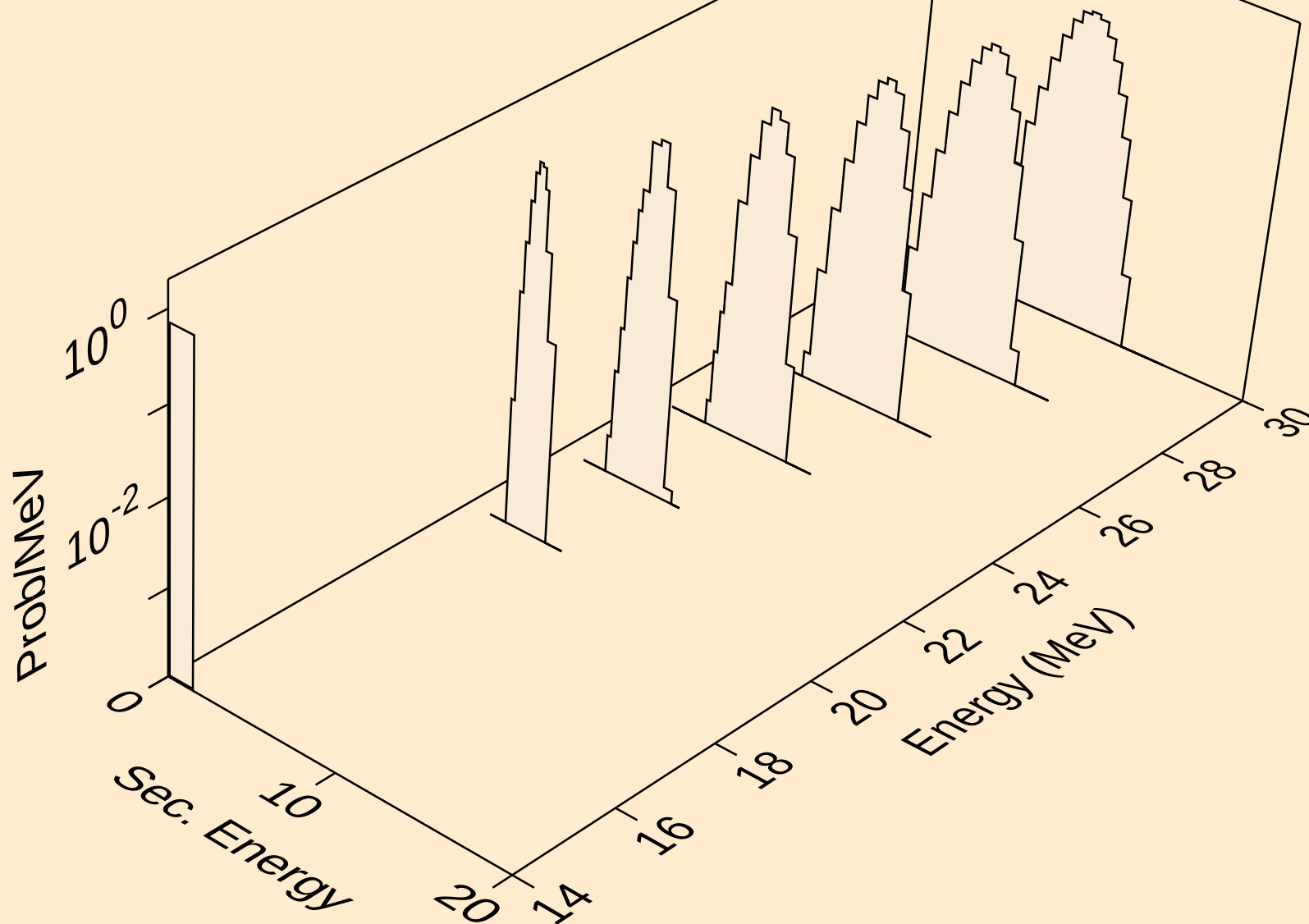
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tritons from (p,n*)t



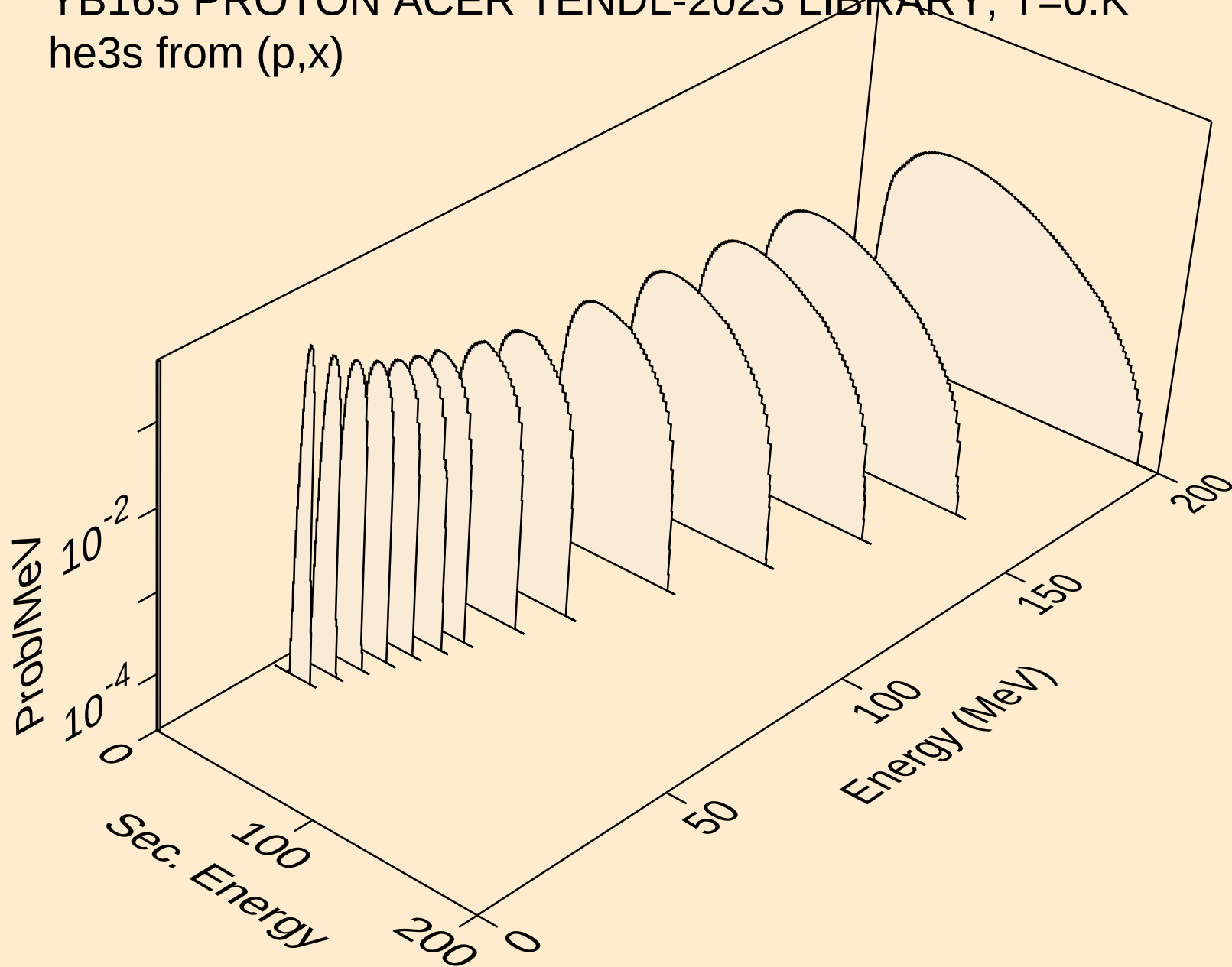
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tritons from (p,t)



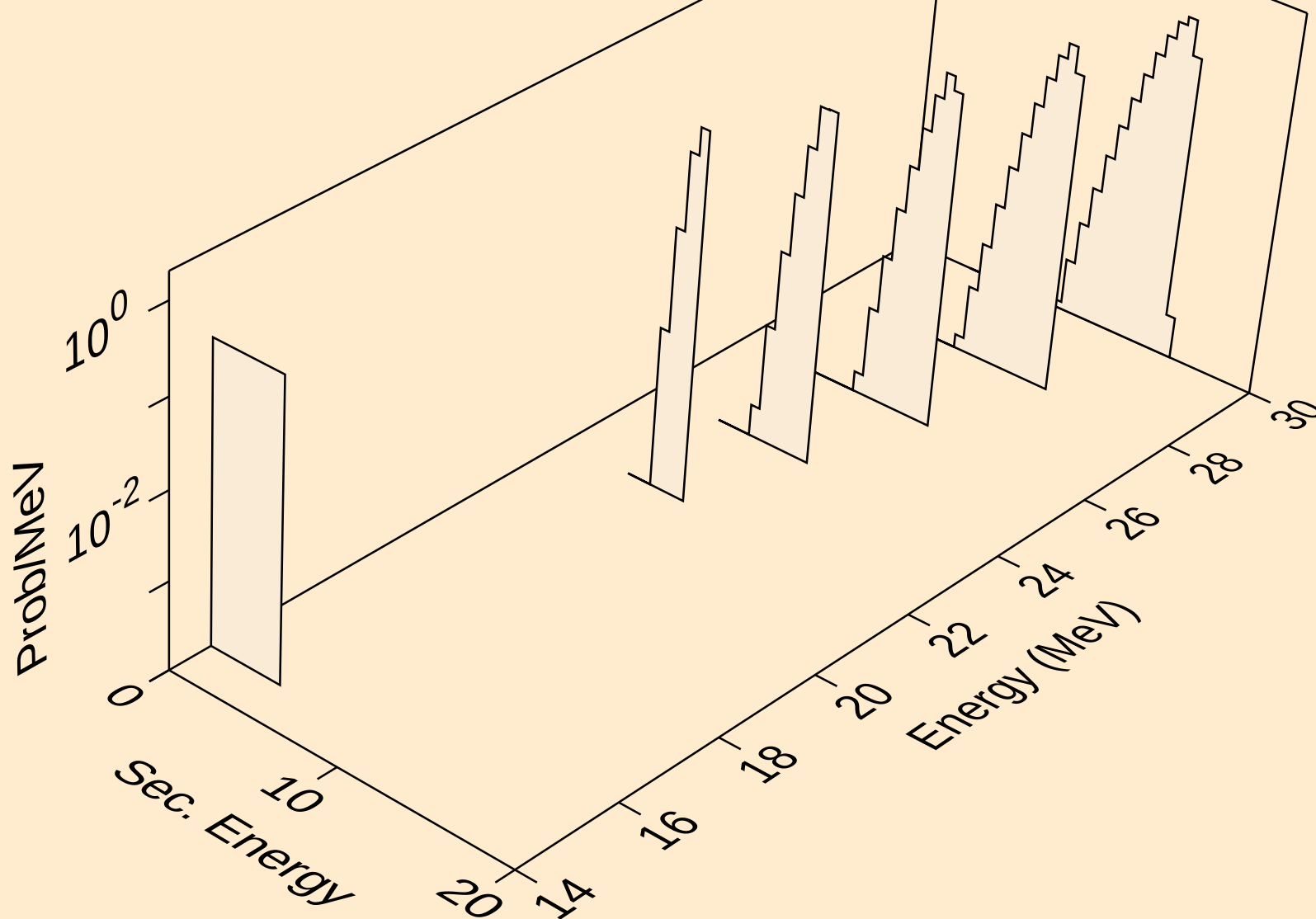
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tritons from (p,pt)



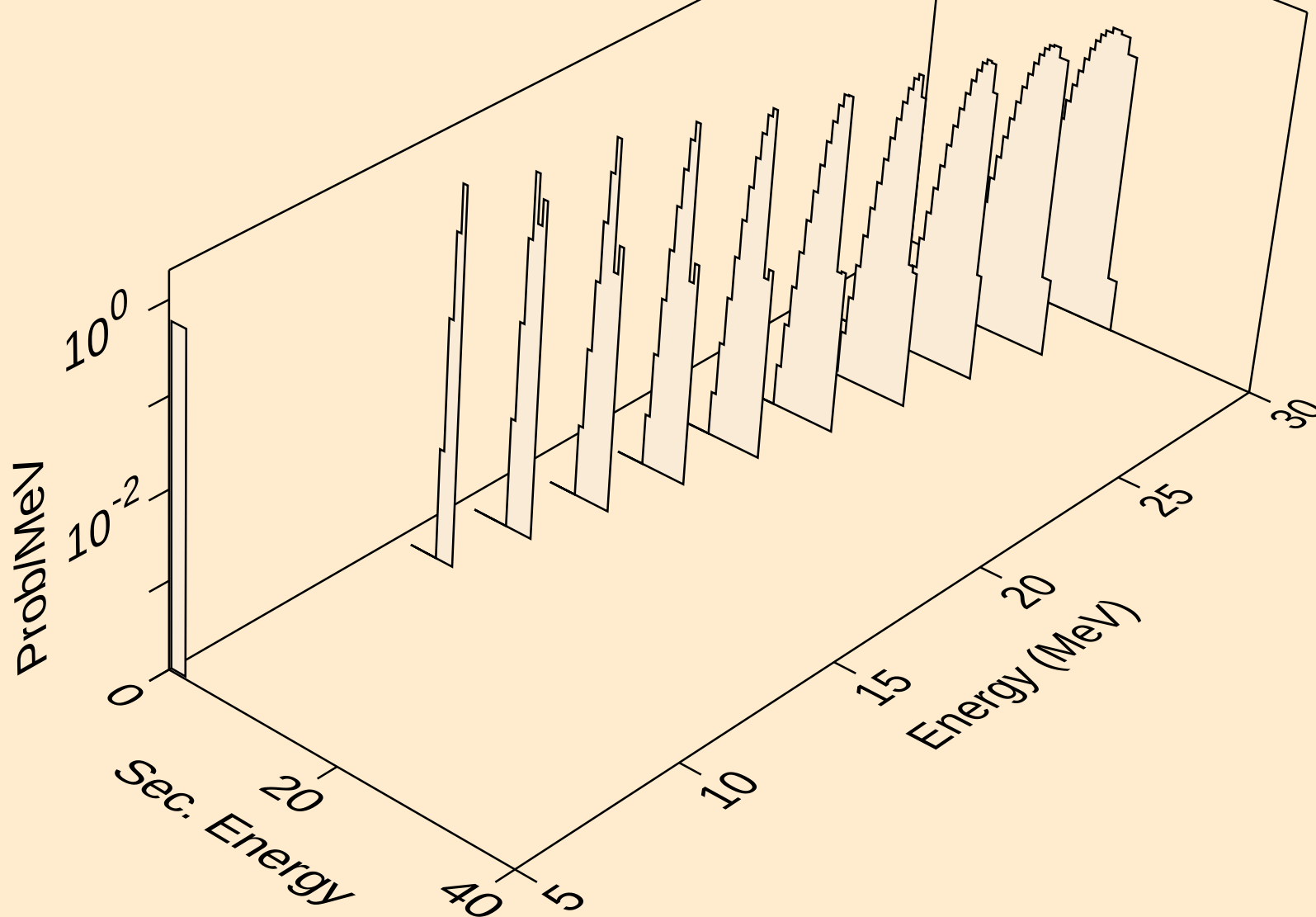
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he3s from (p,x)



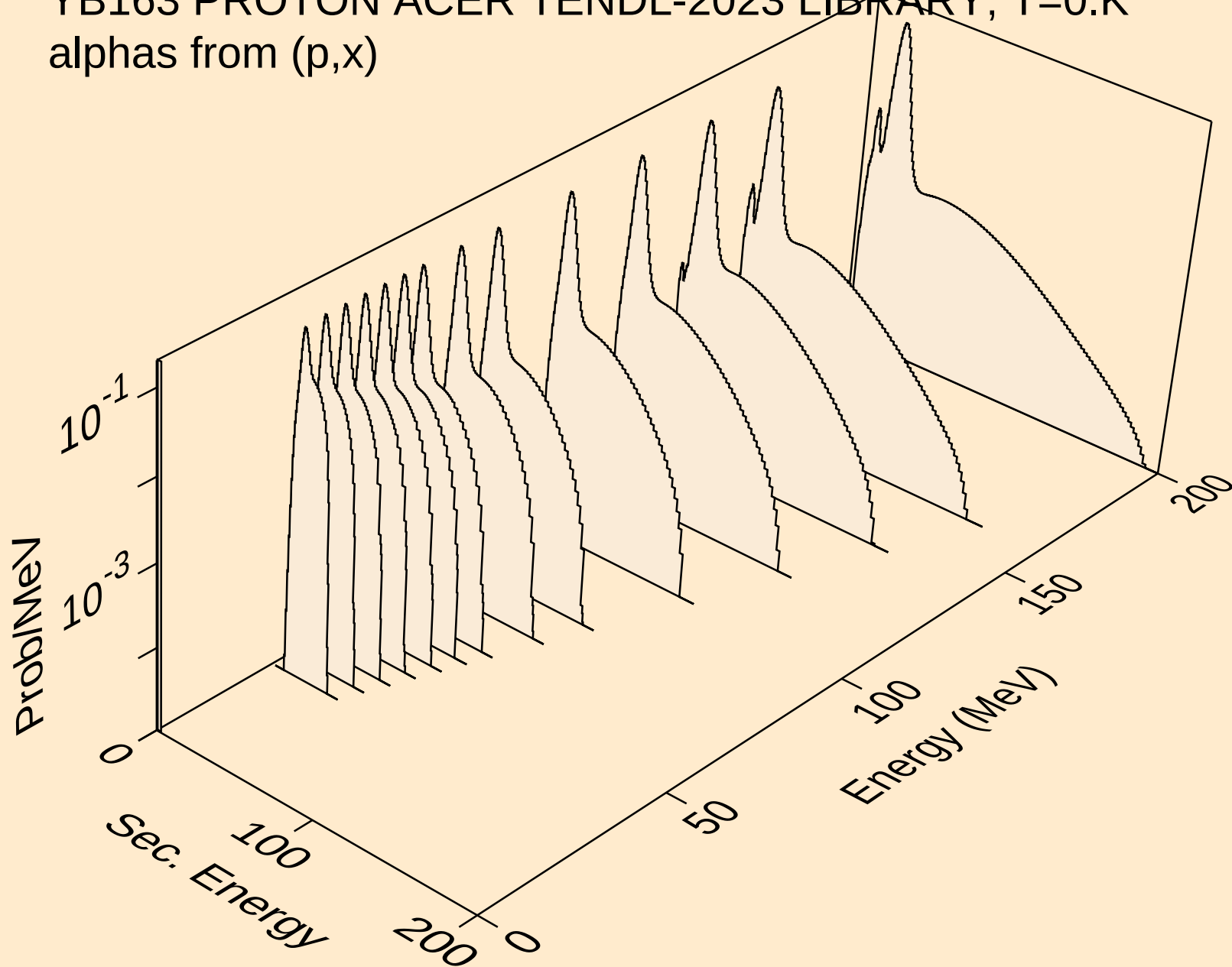
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he3s from (p,n*)he3



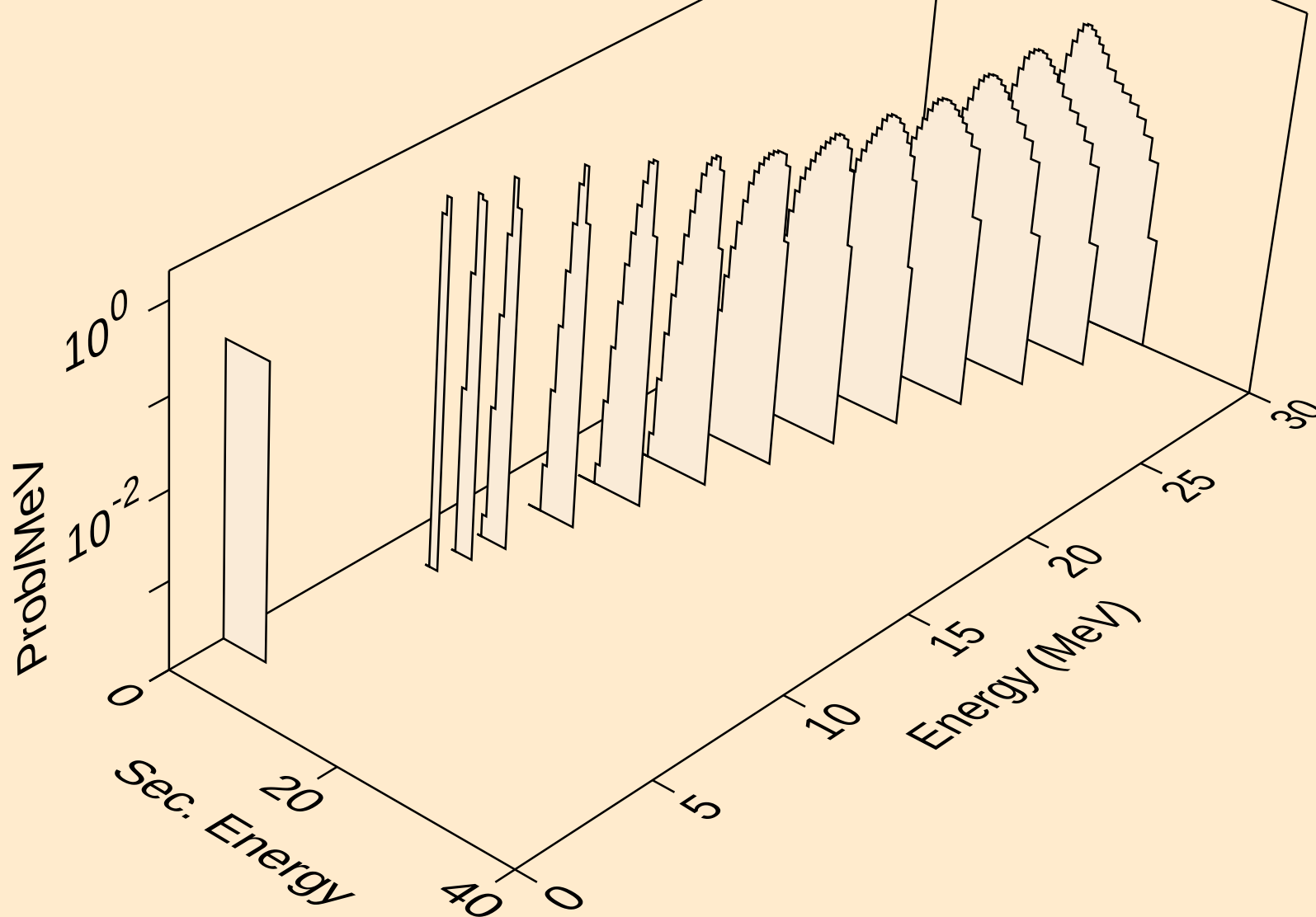
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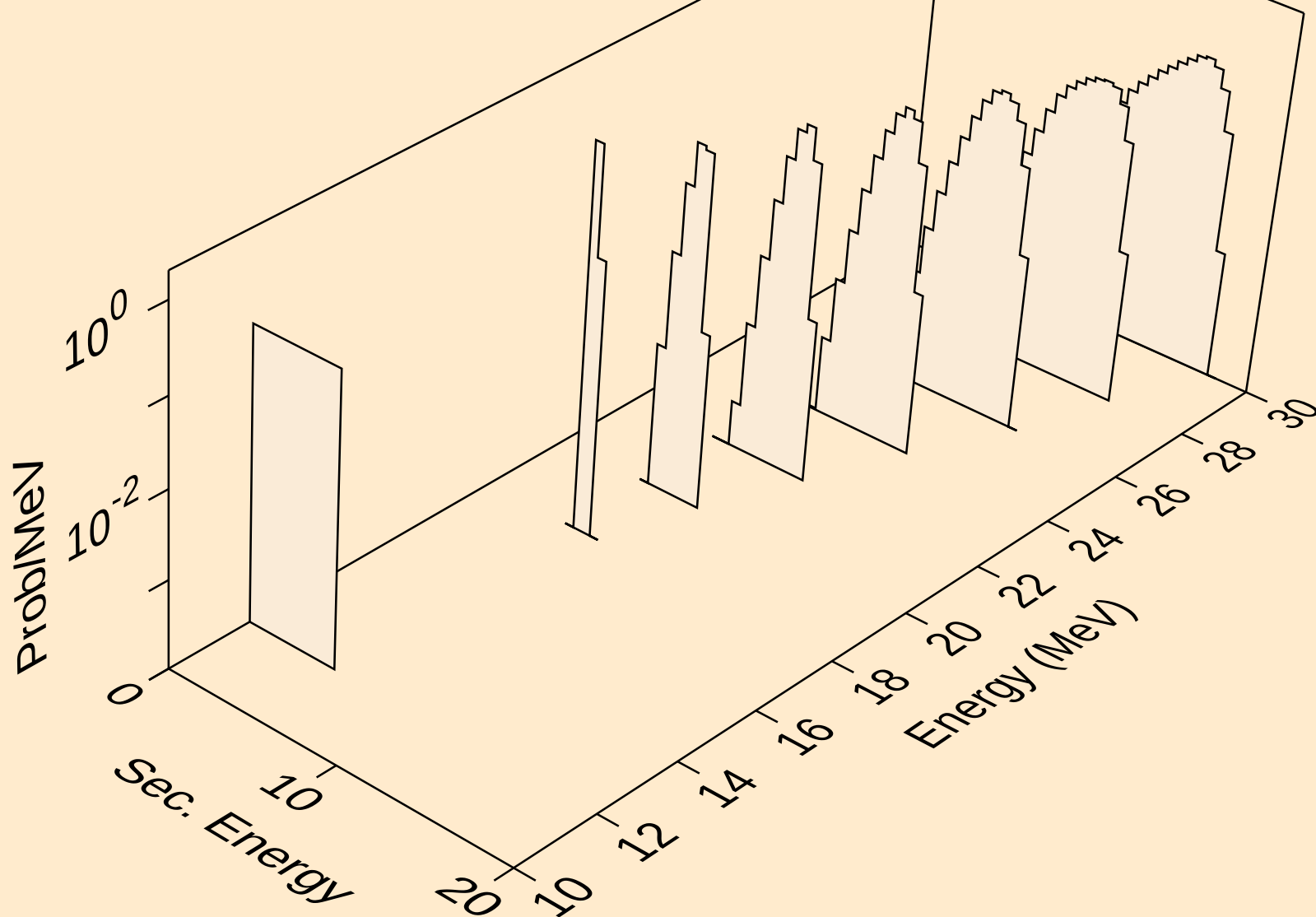
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alphas from (p,x)



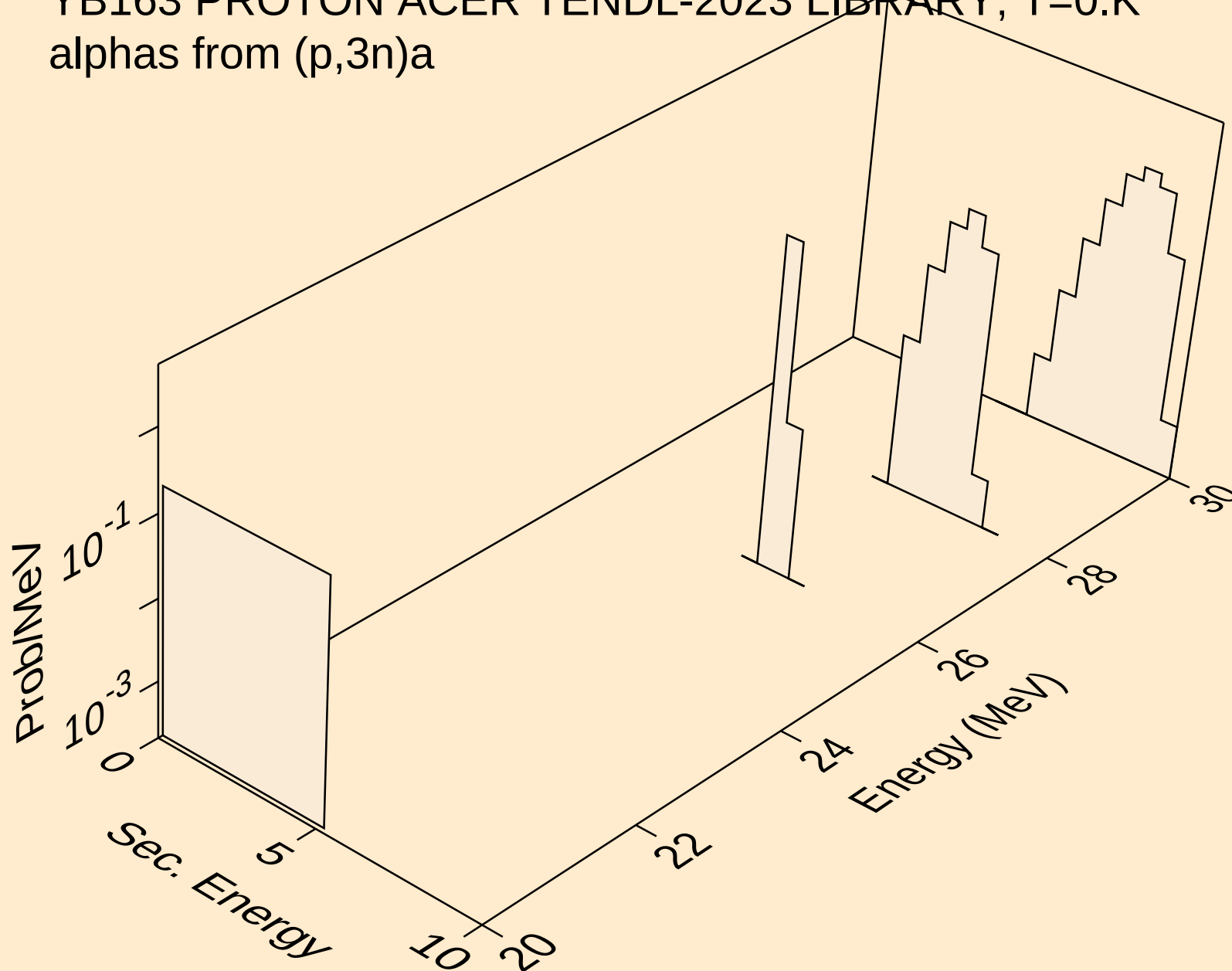
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



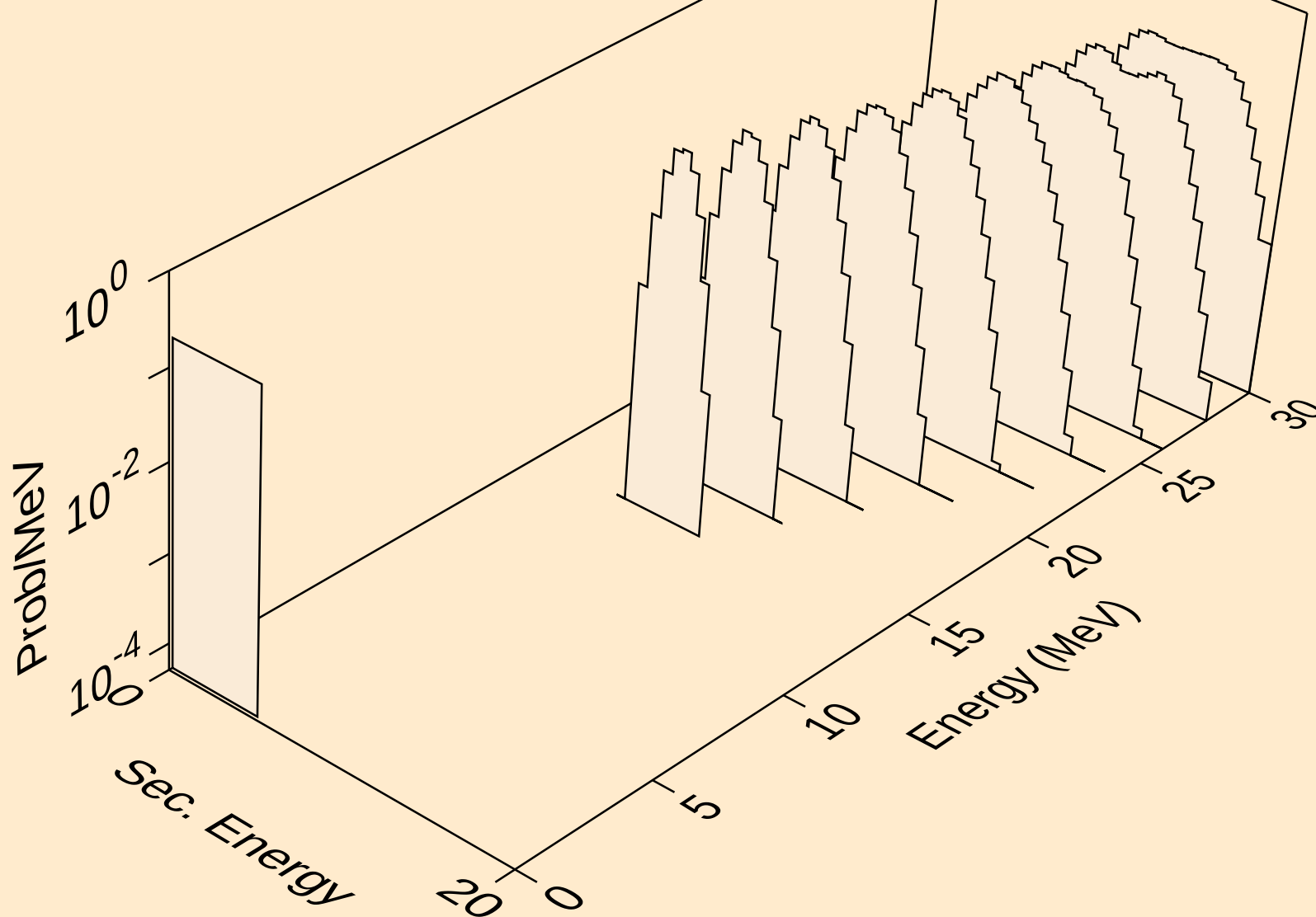
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alphas from (p,2n)a



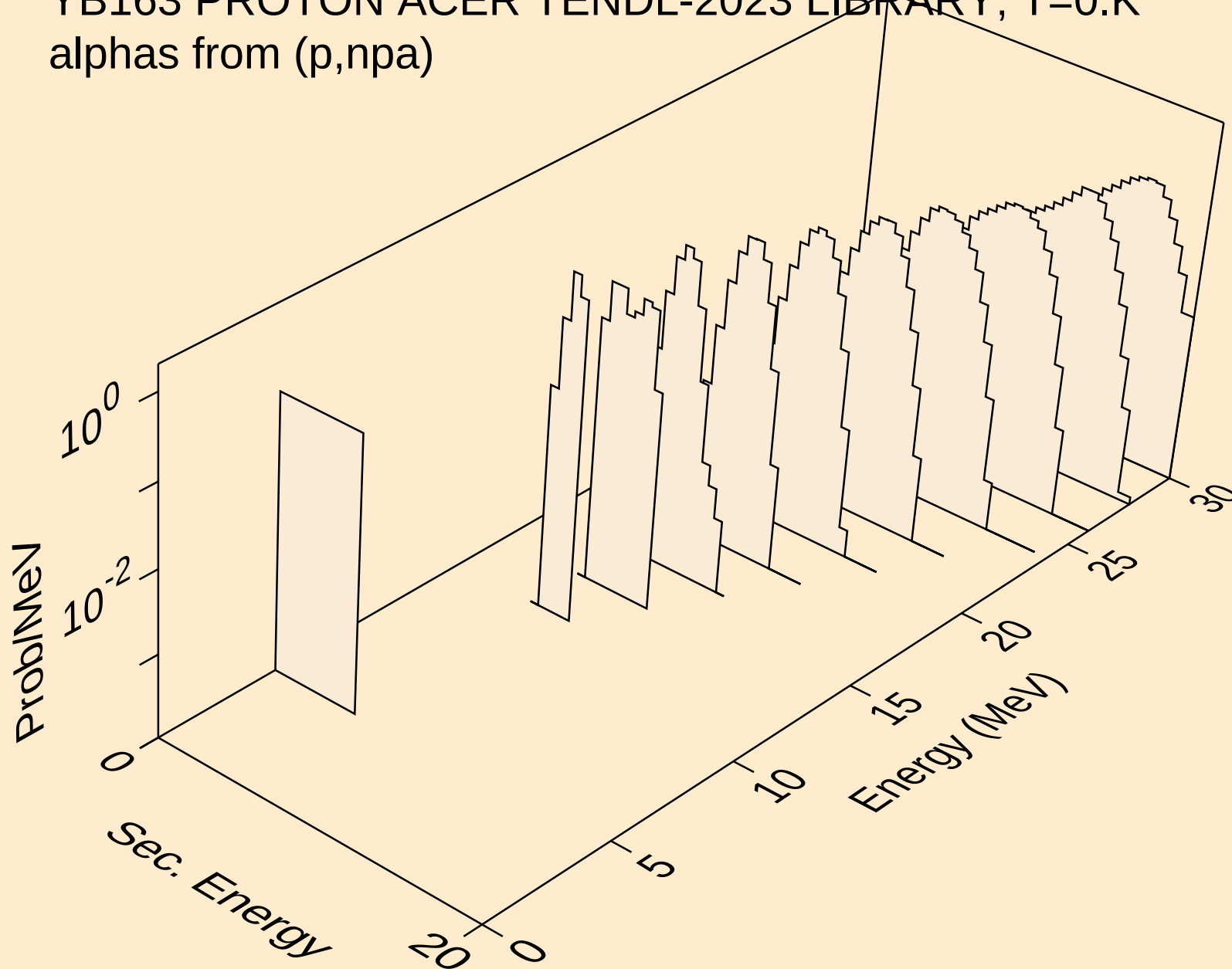
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alphas from (p,3n)a



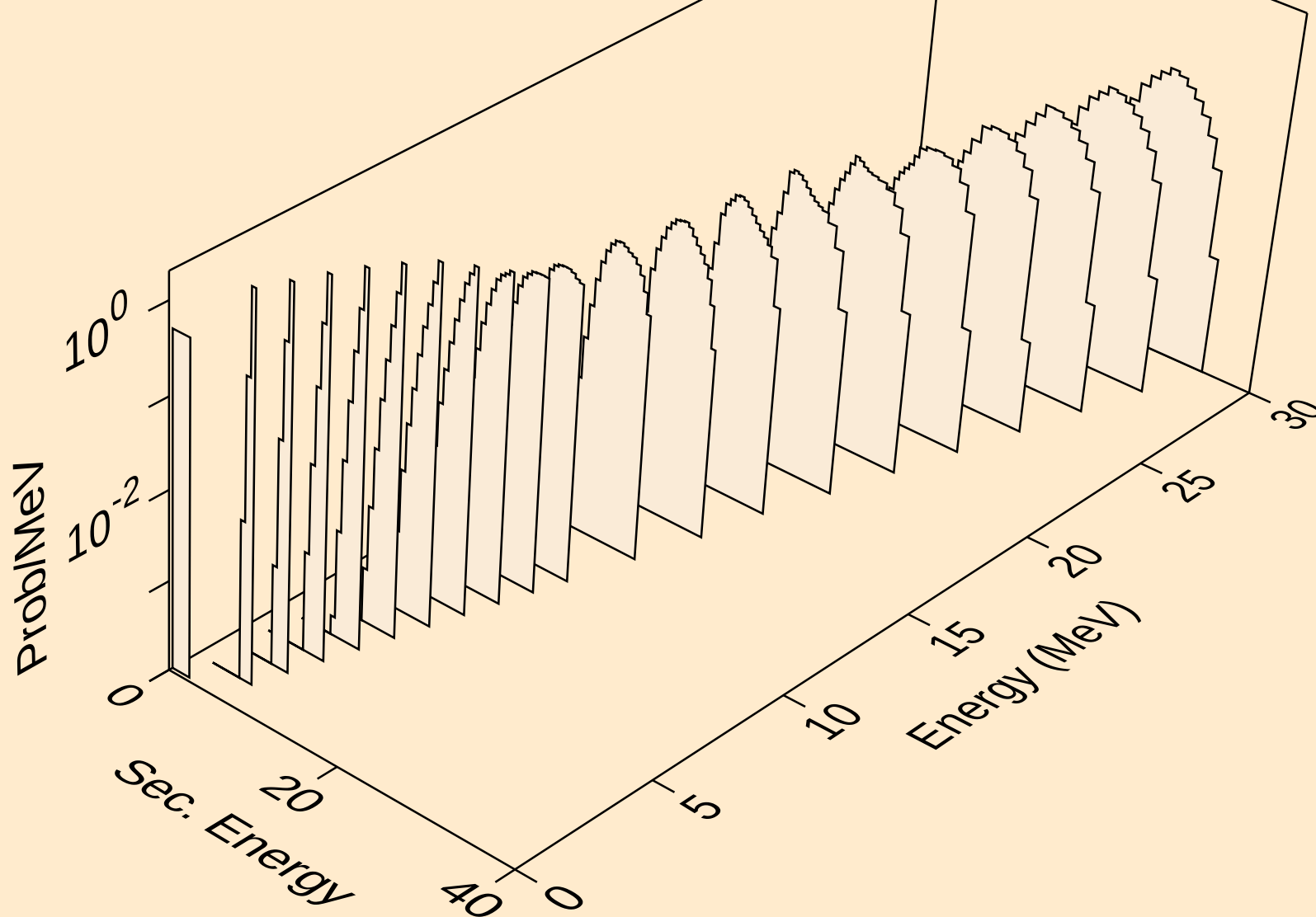
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alphas from (p,n*)2a



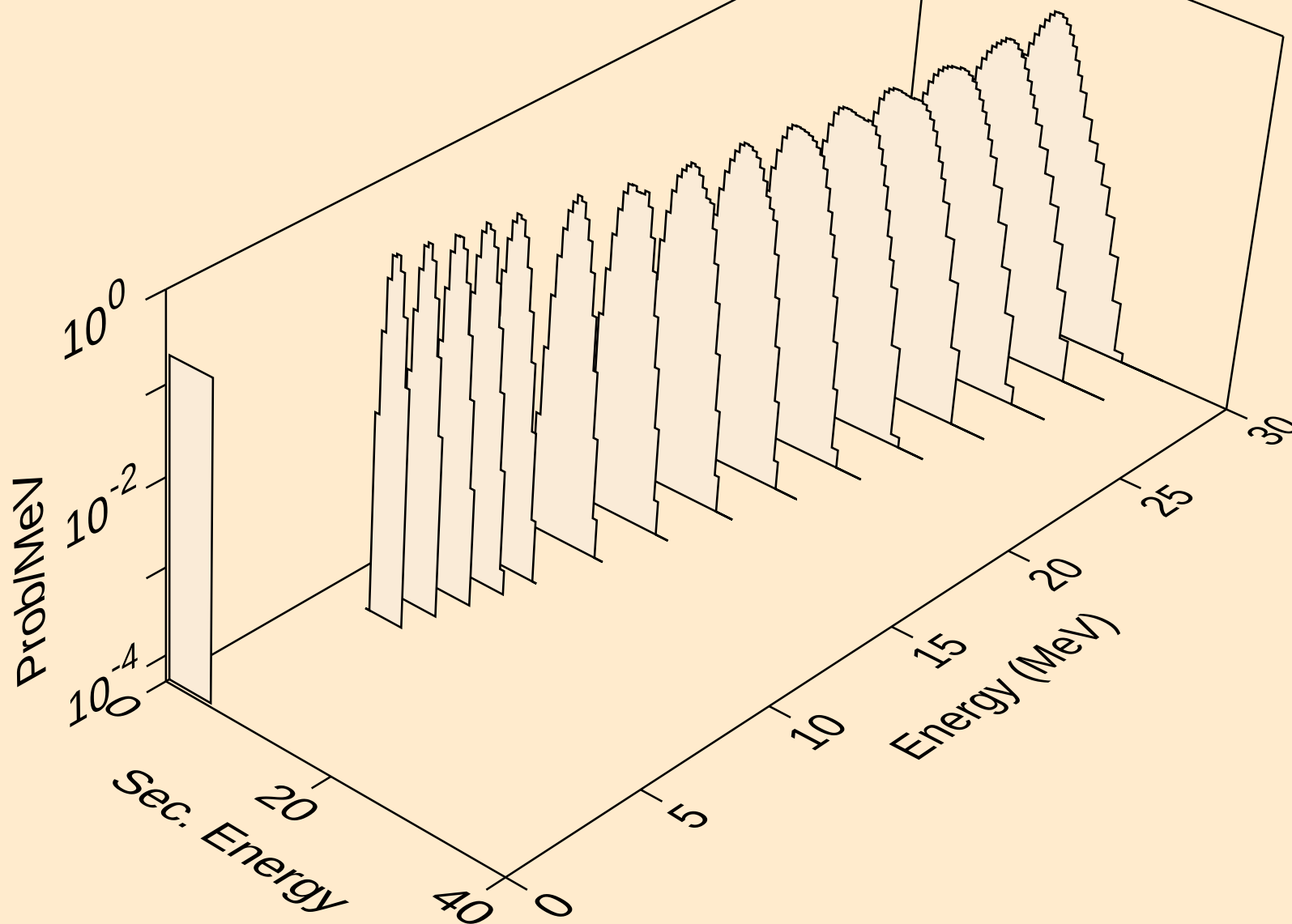
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alphas from (p,npa)



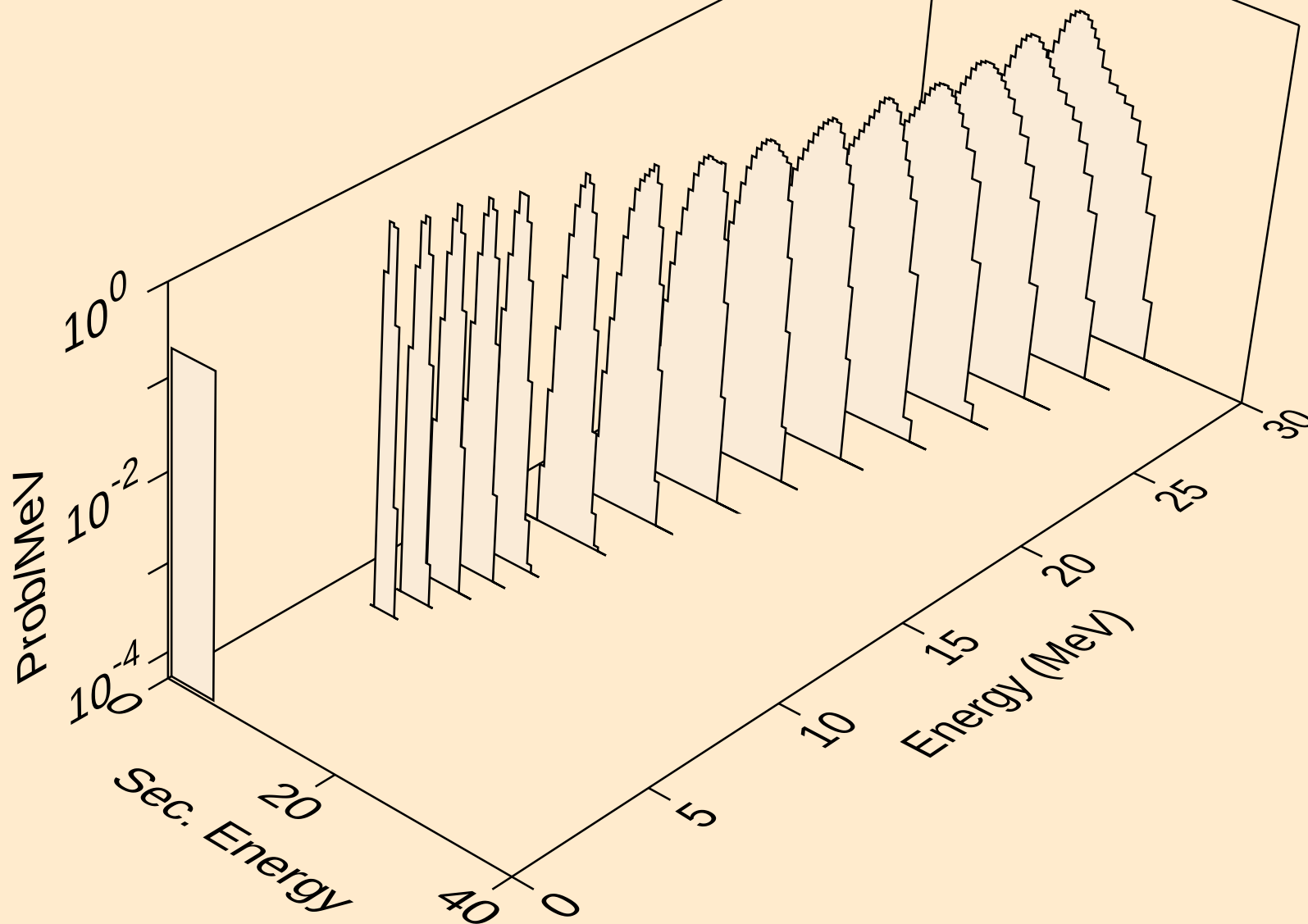
YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



YB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

