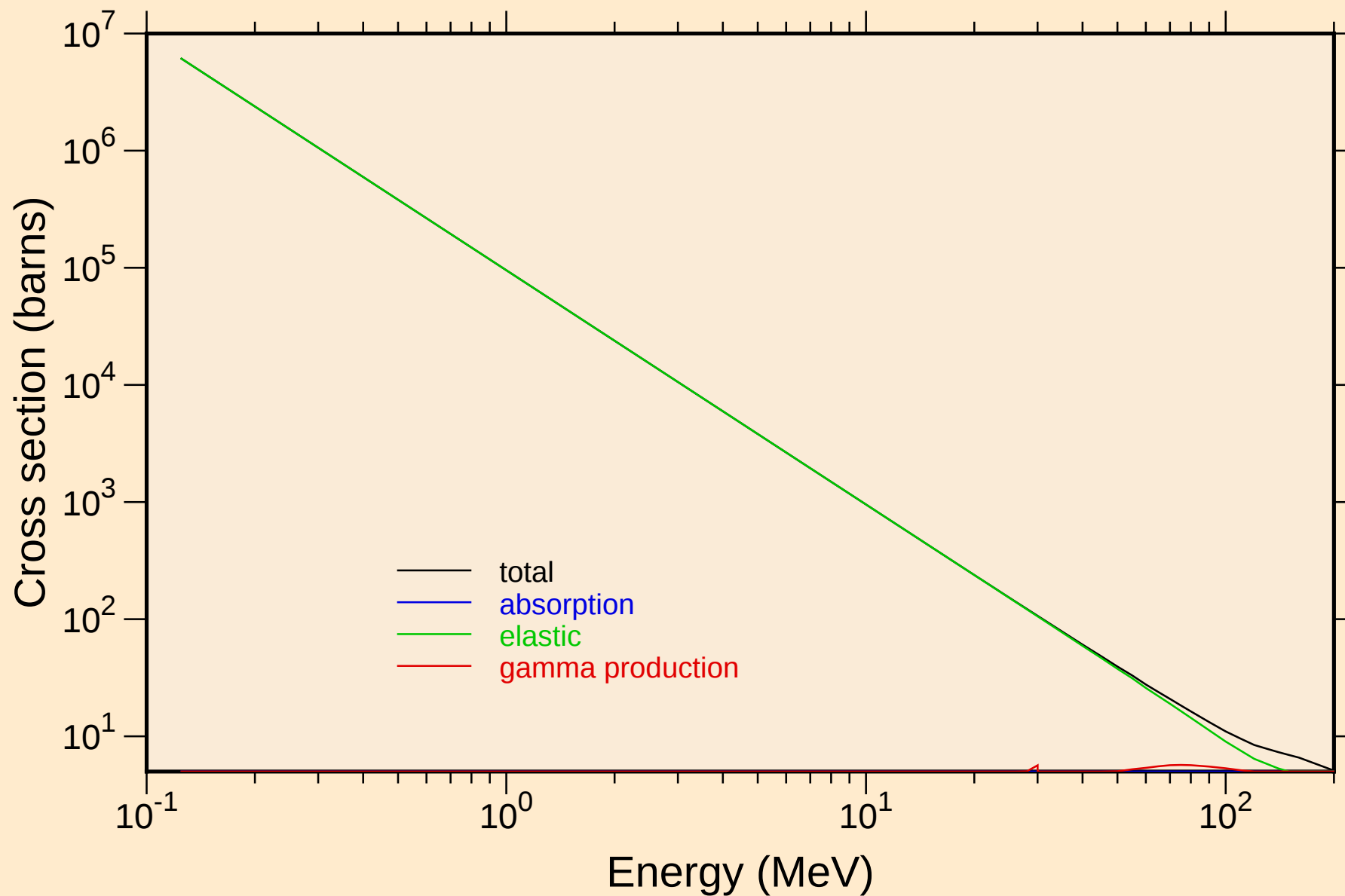


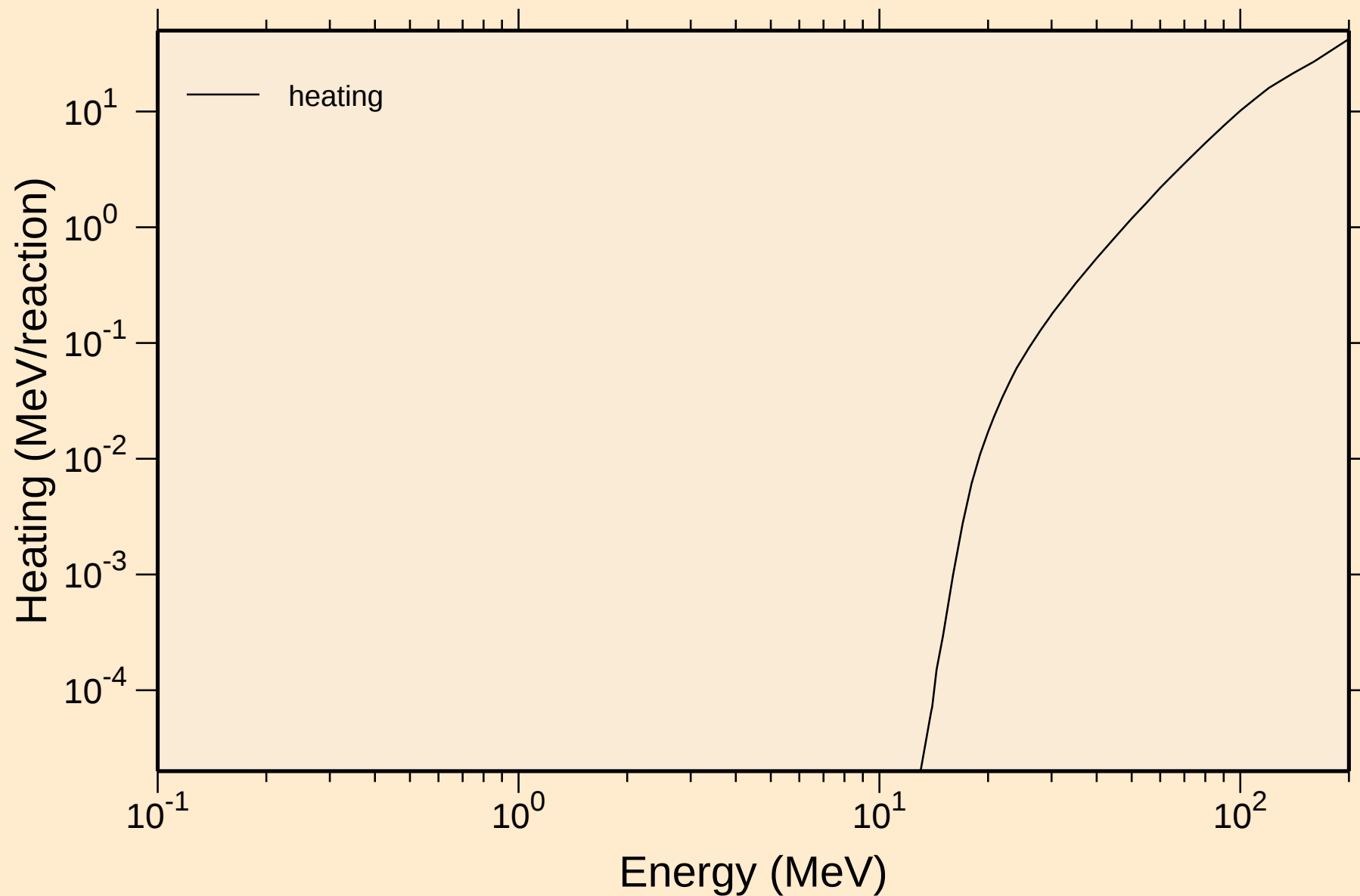
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



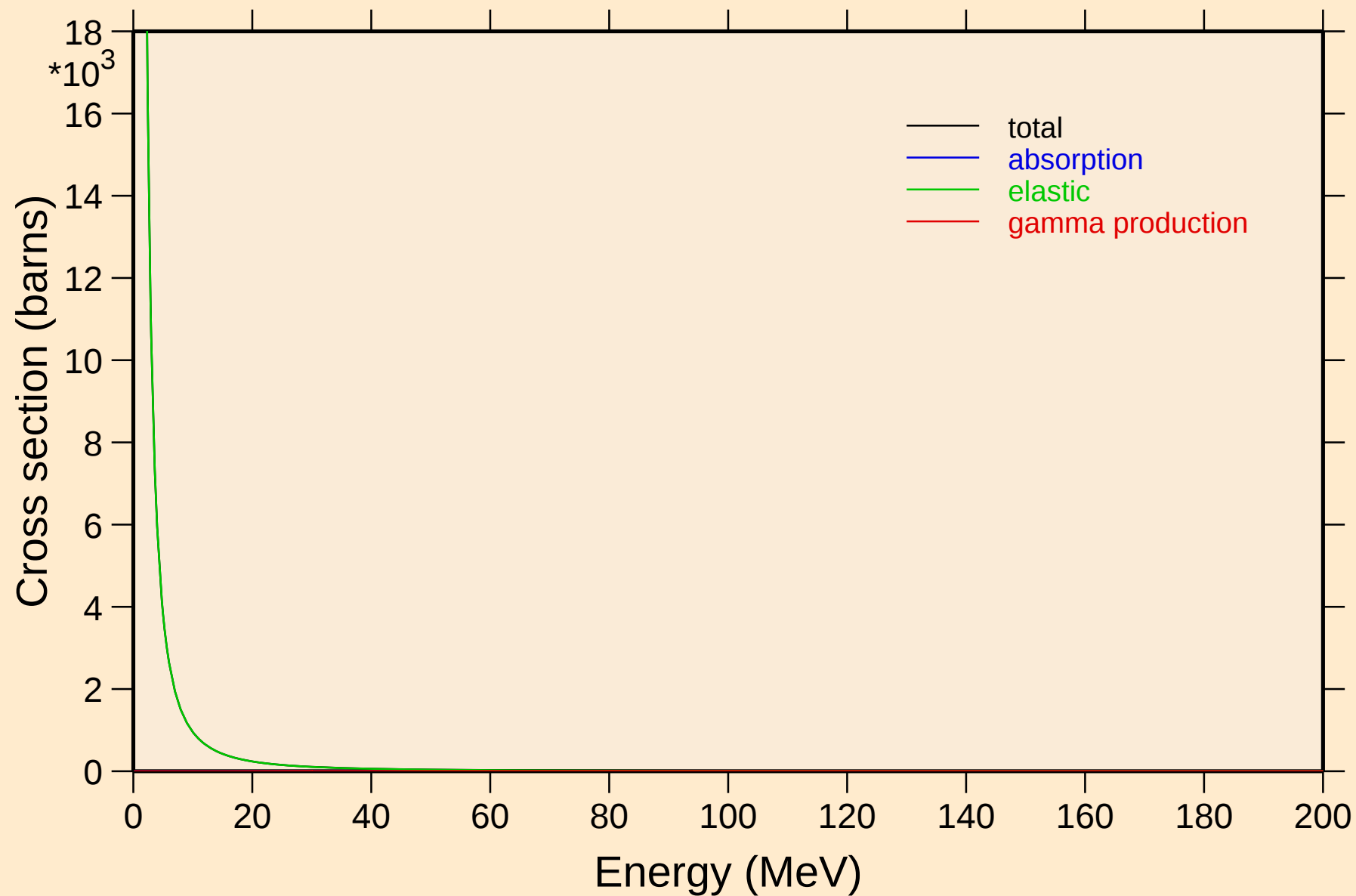
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



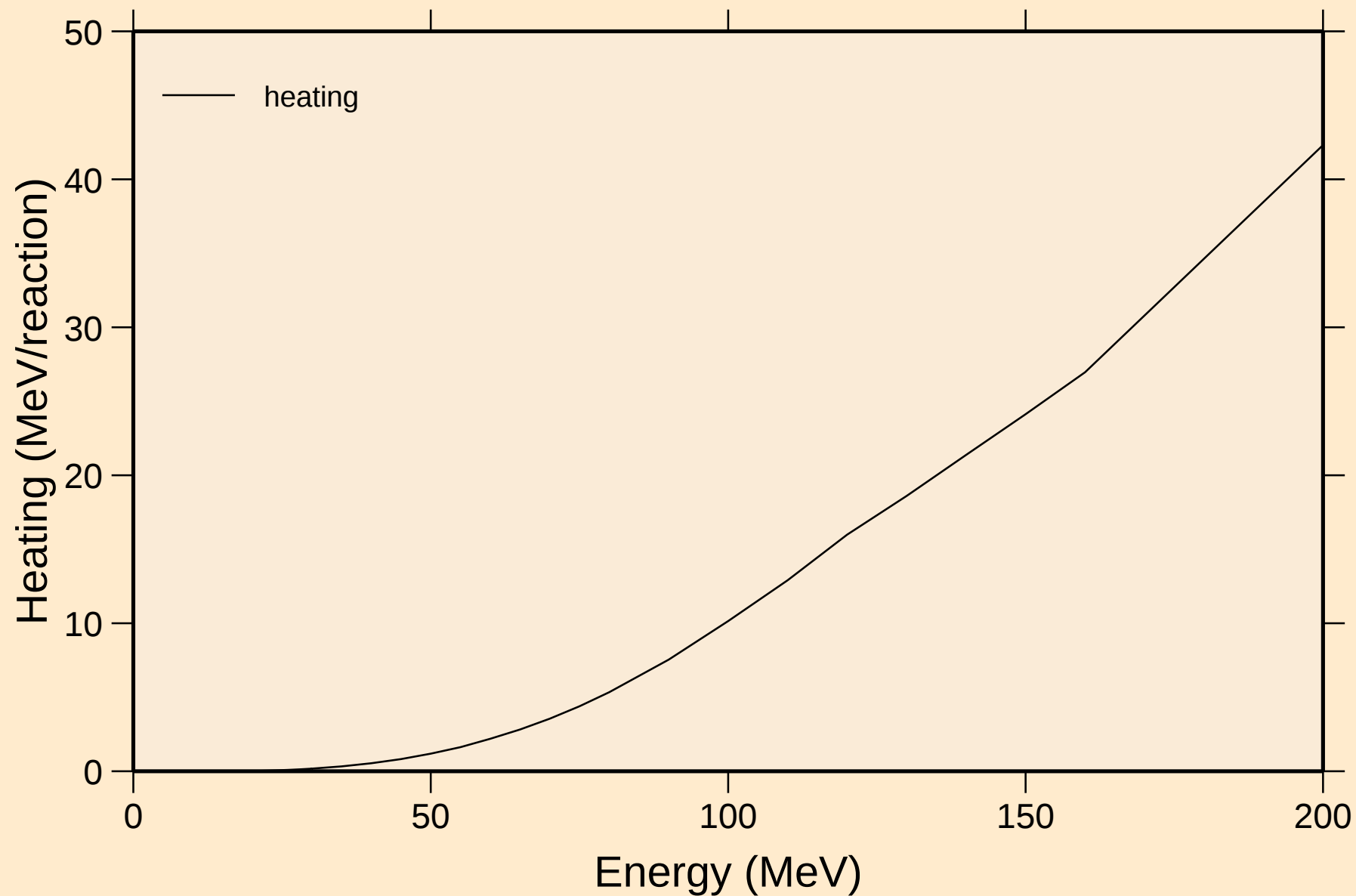
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Principal cross sections



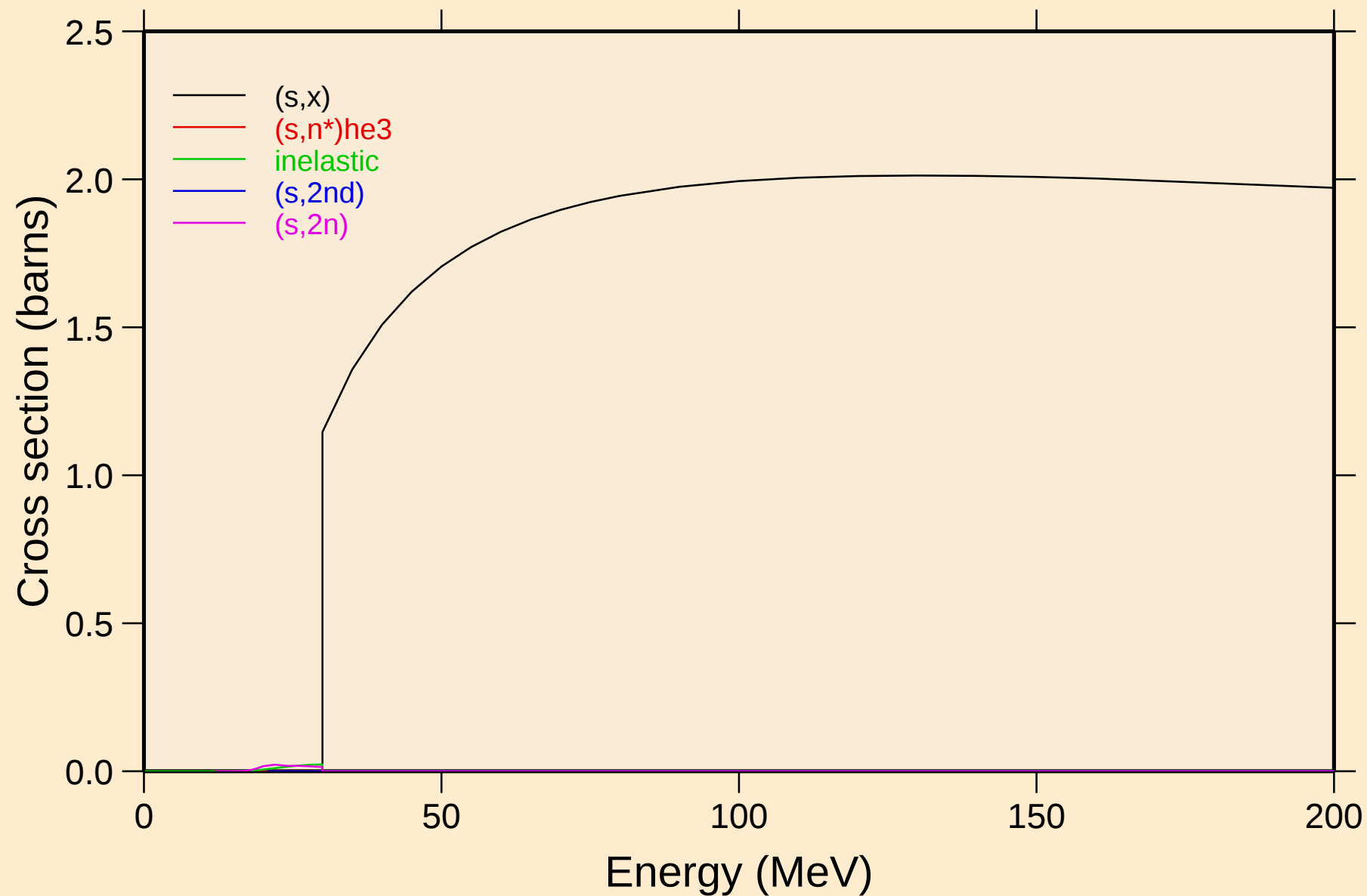
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



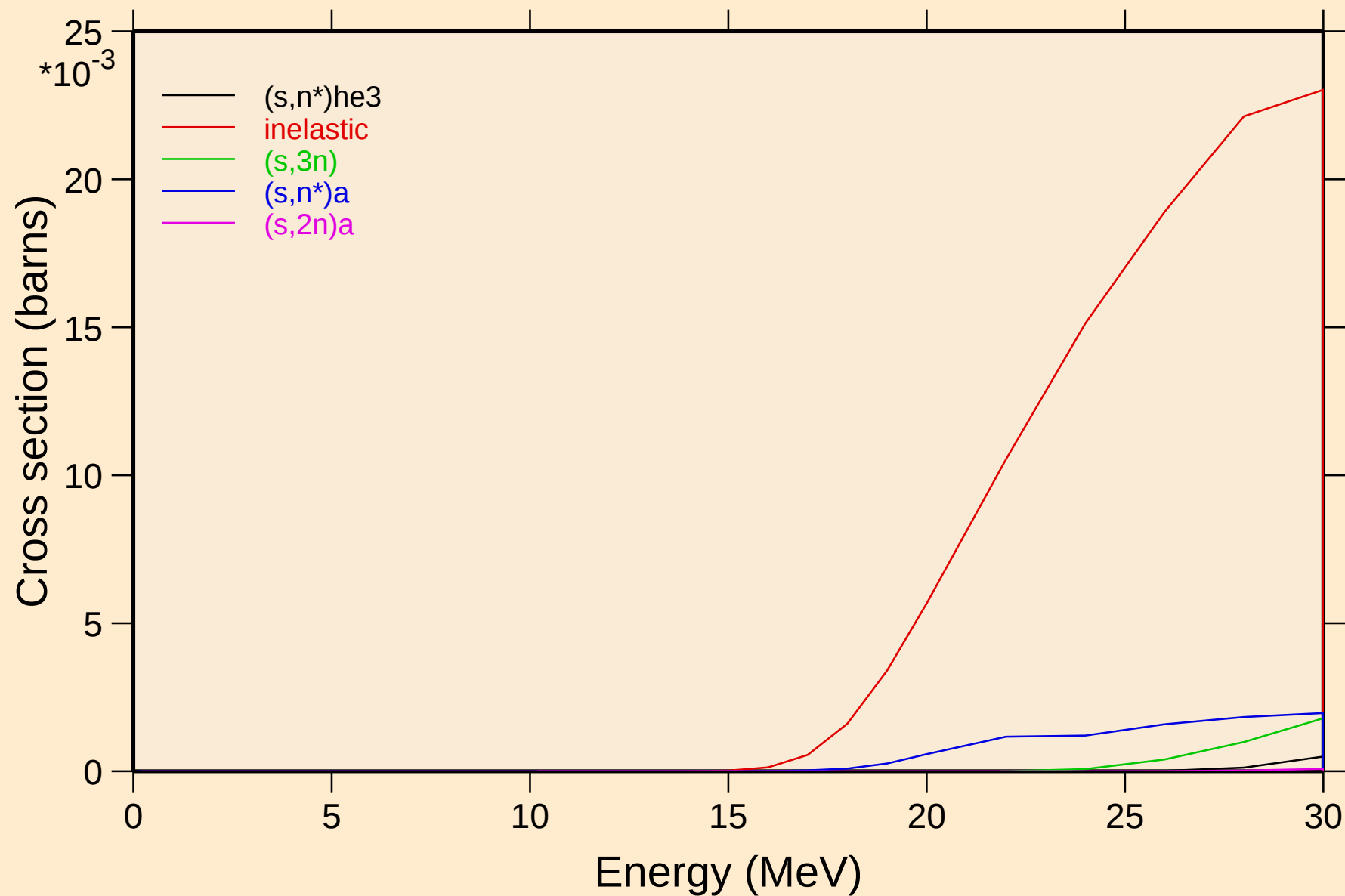
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Threshold reactions



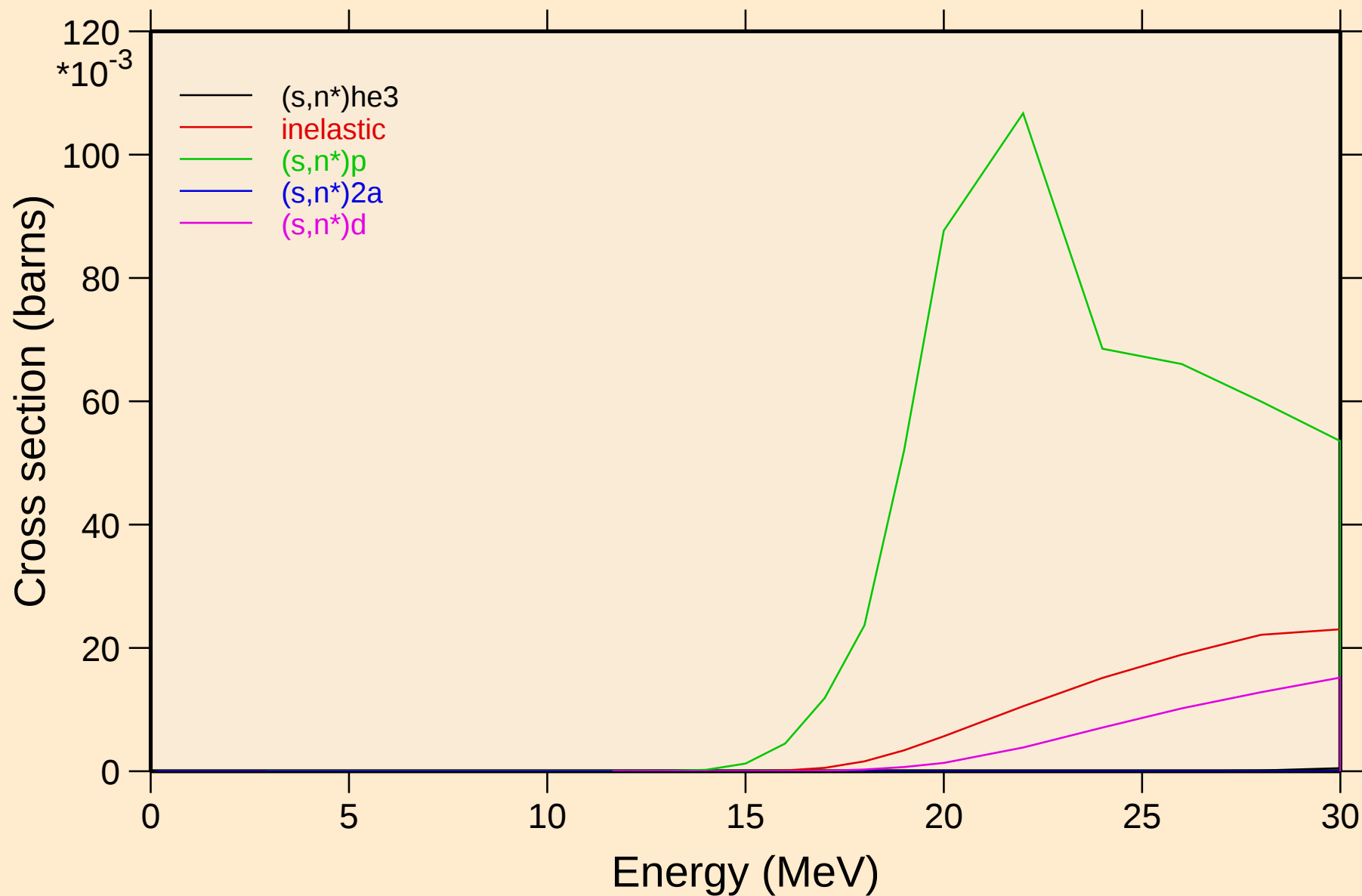
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



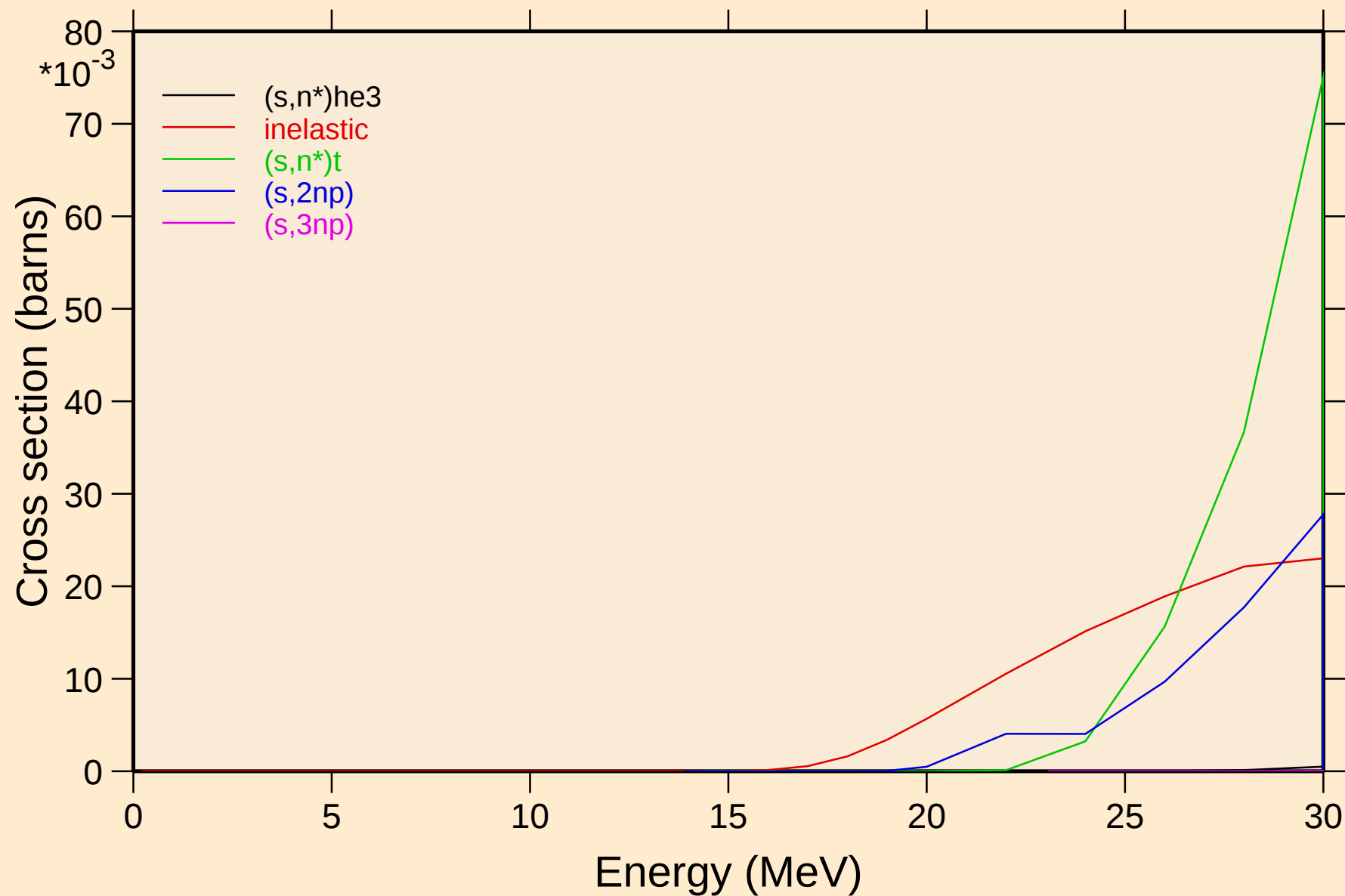
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Threshold reactions



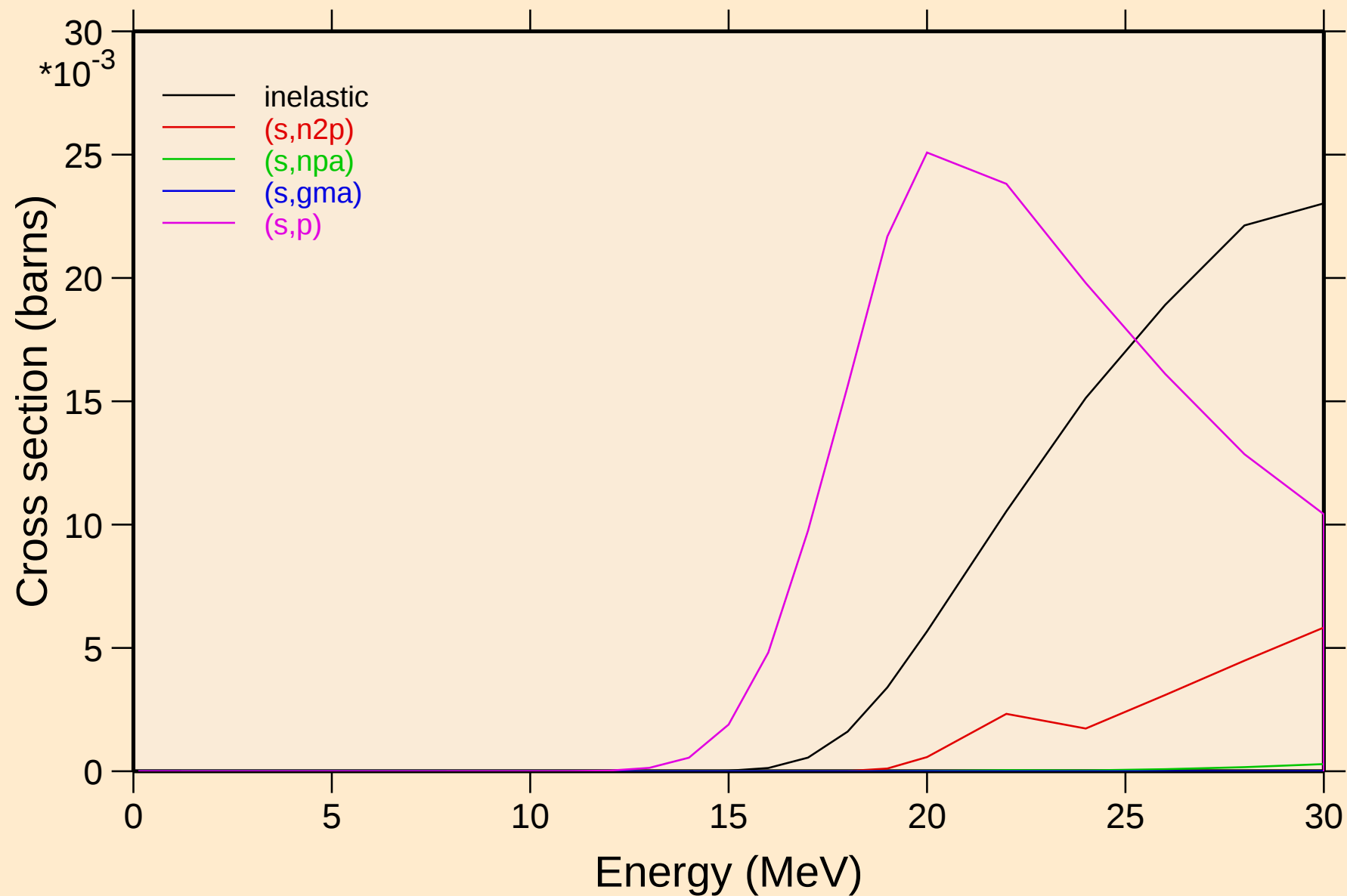
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



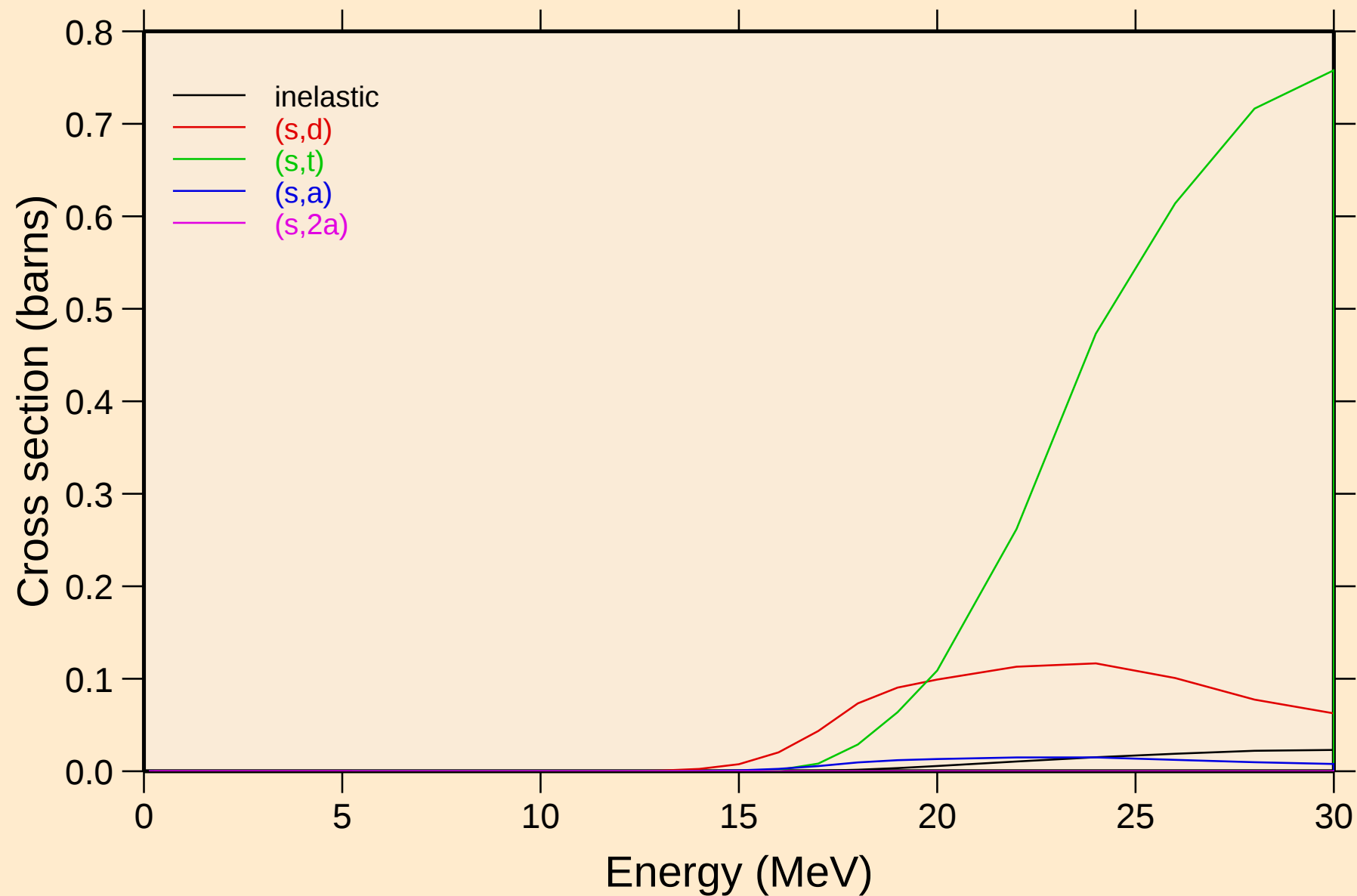
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



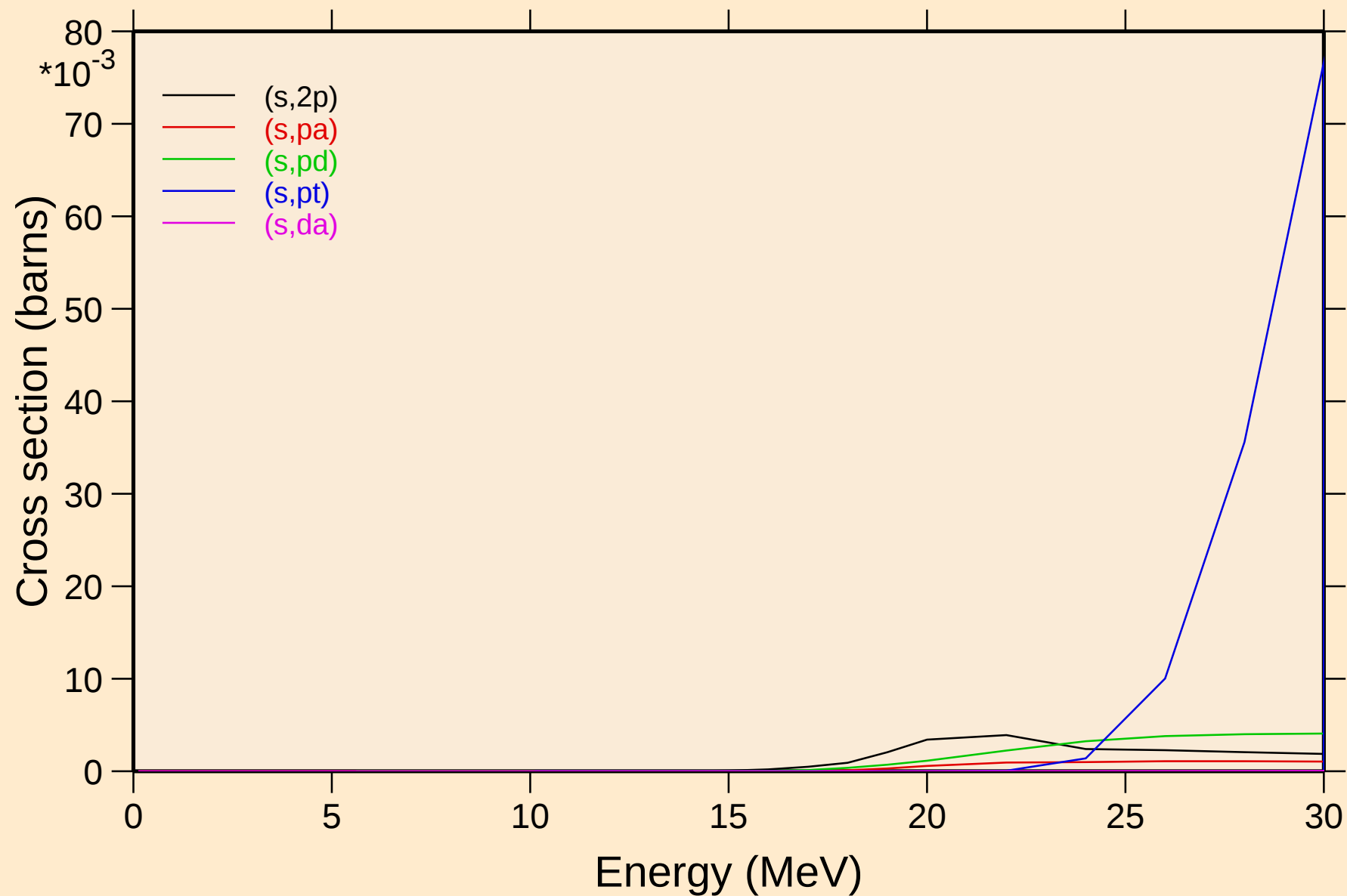
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Threshold reactions

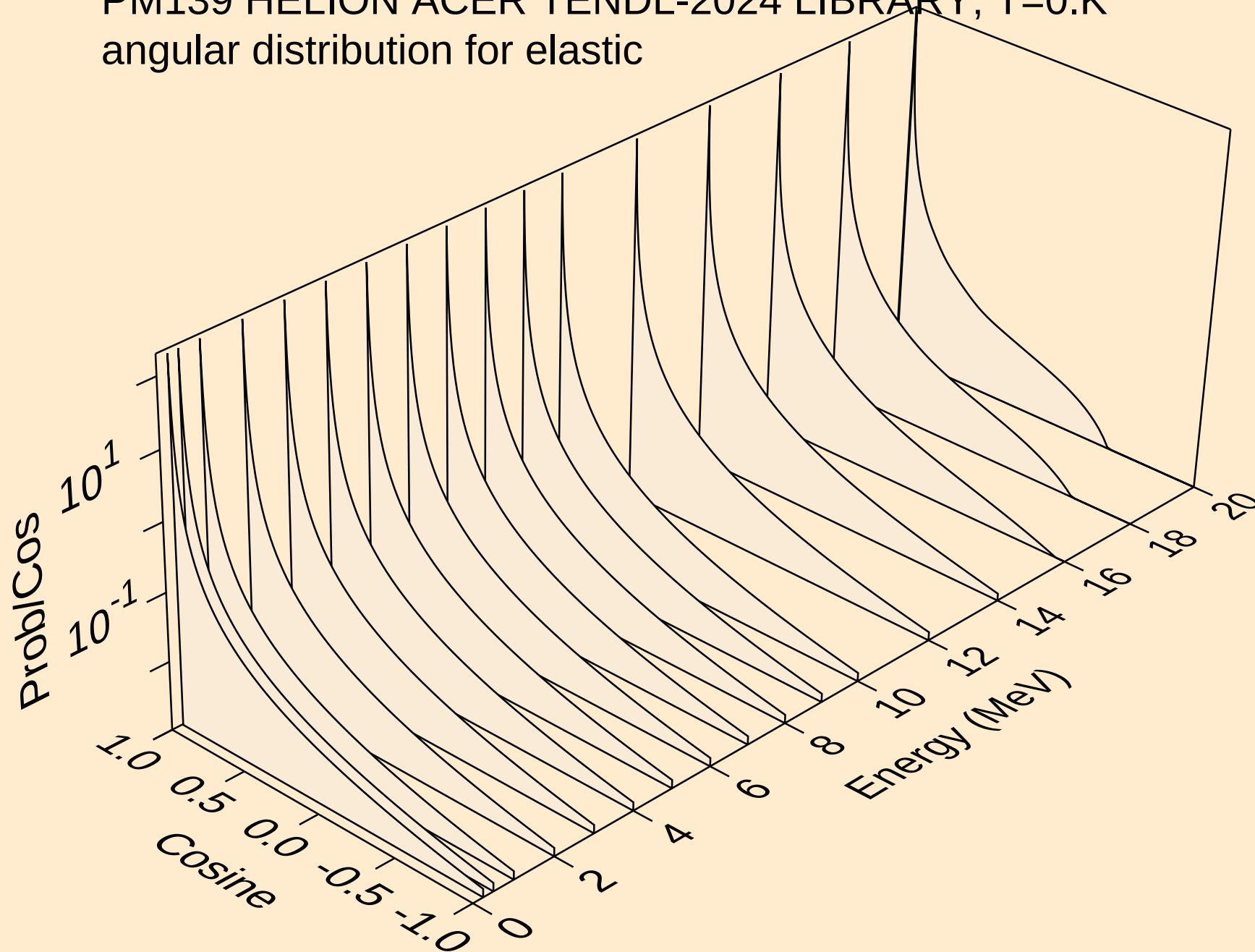


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

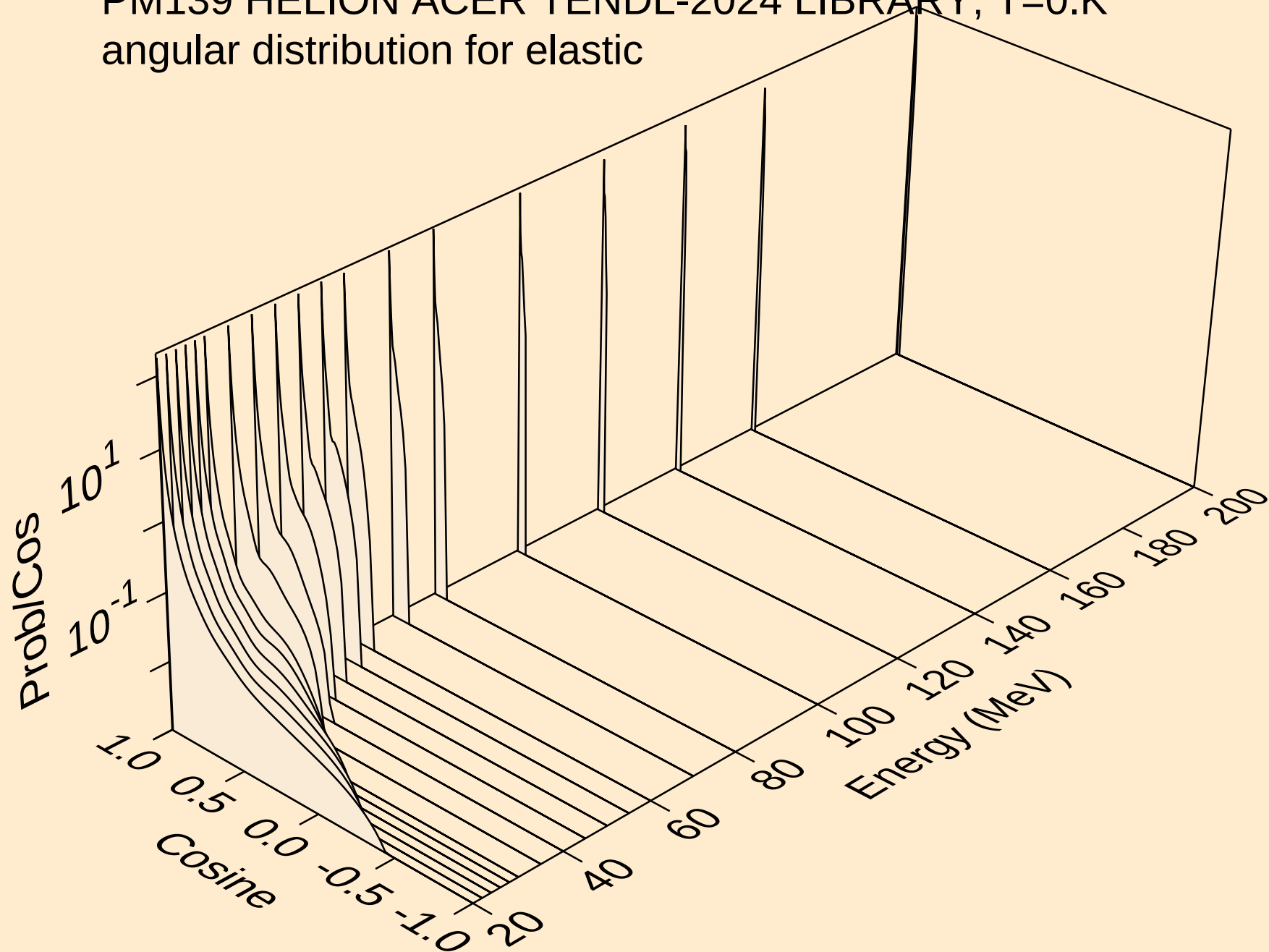
Threshold reactions



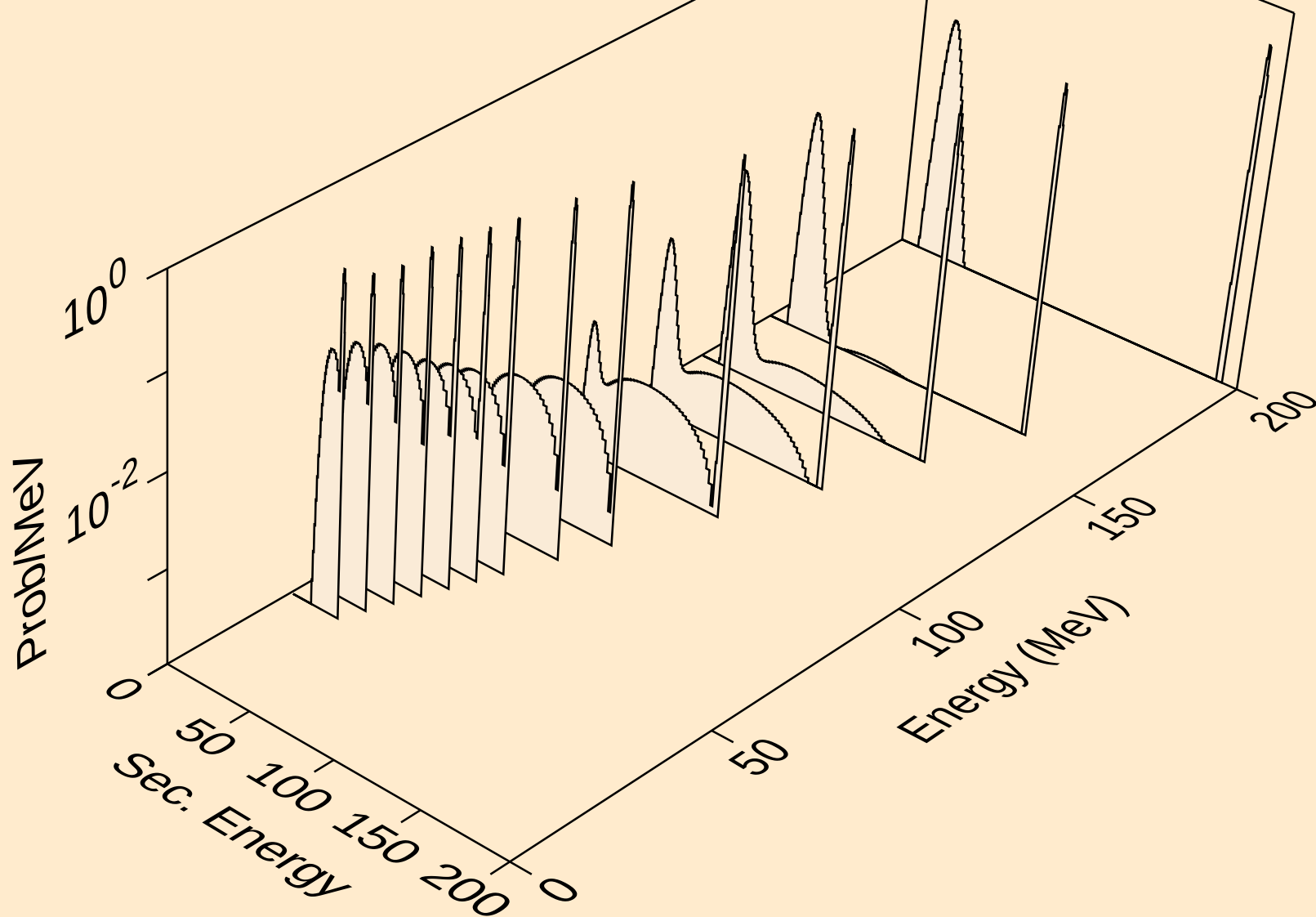
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



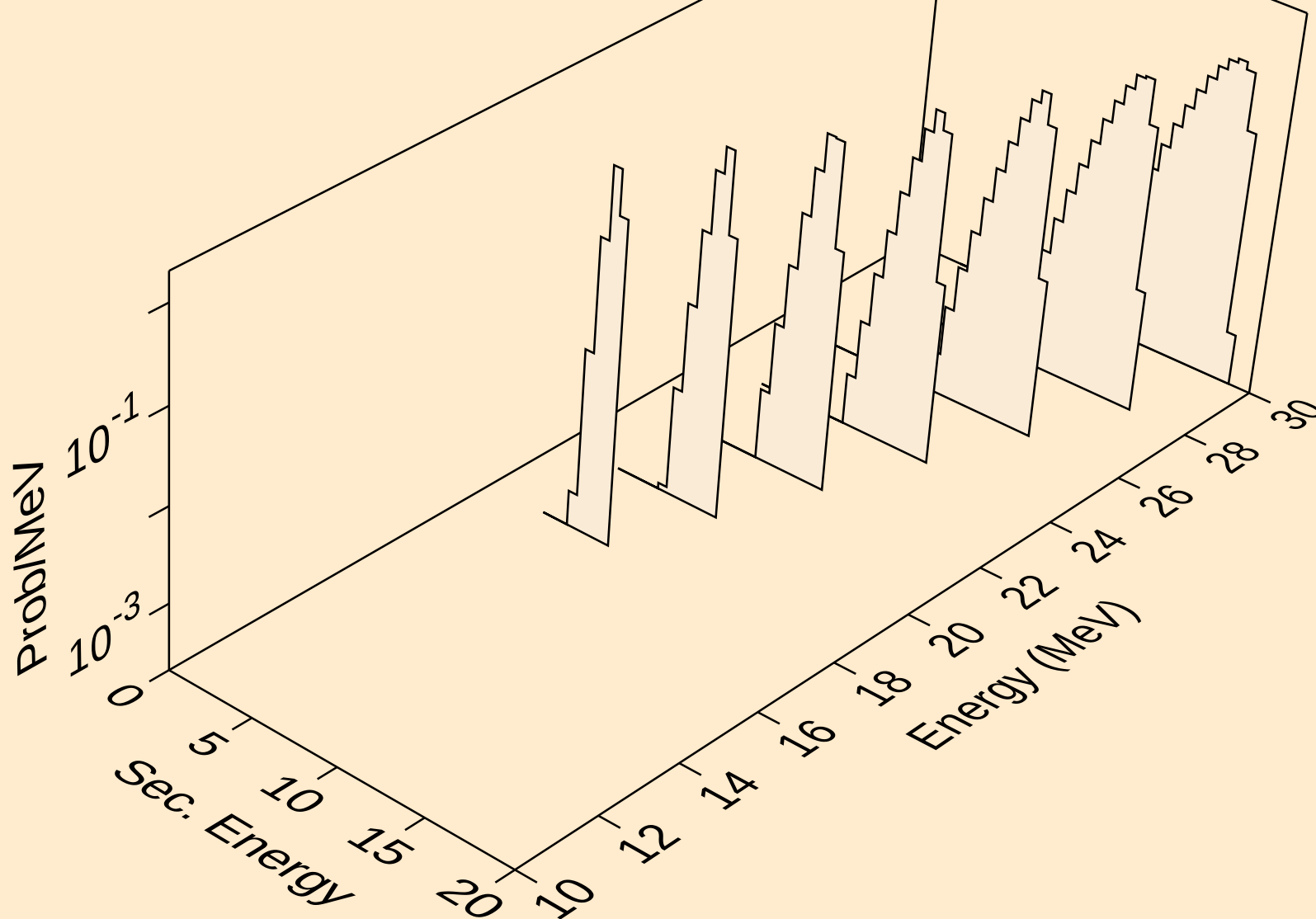
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angular distribution for elastic



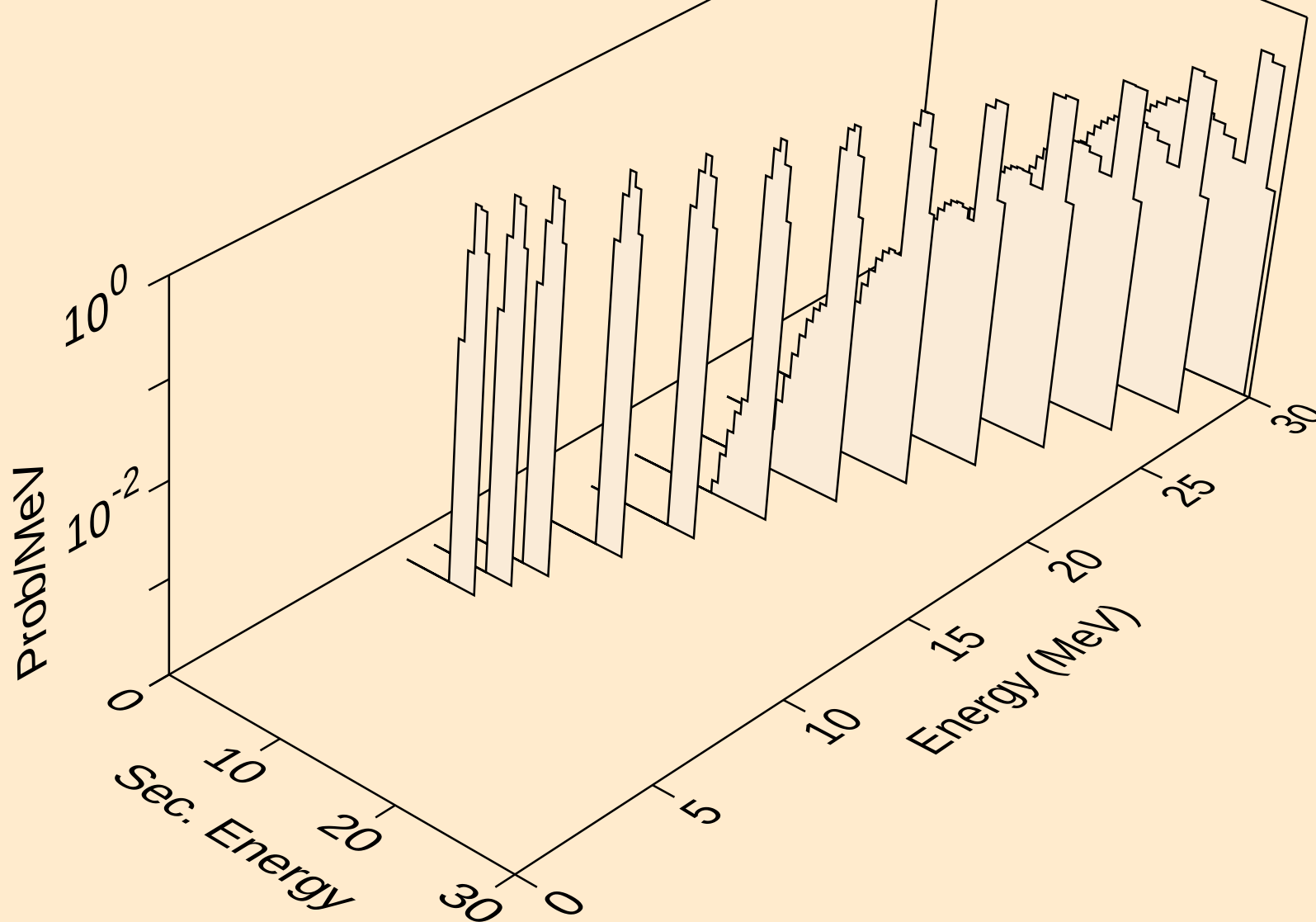
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for (s,x)



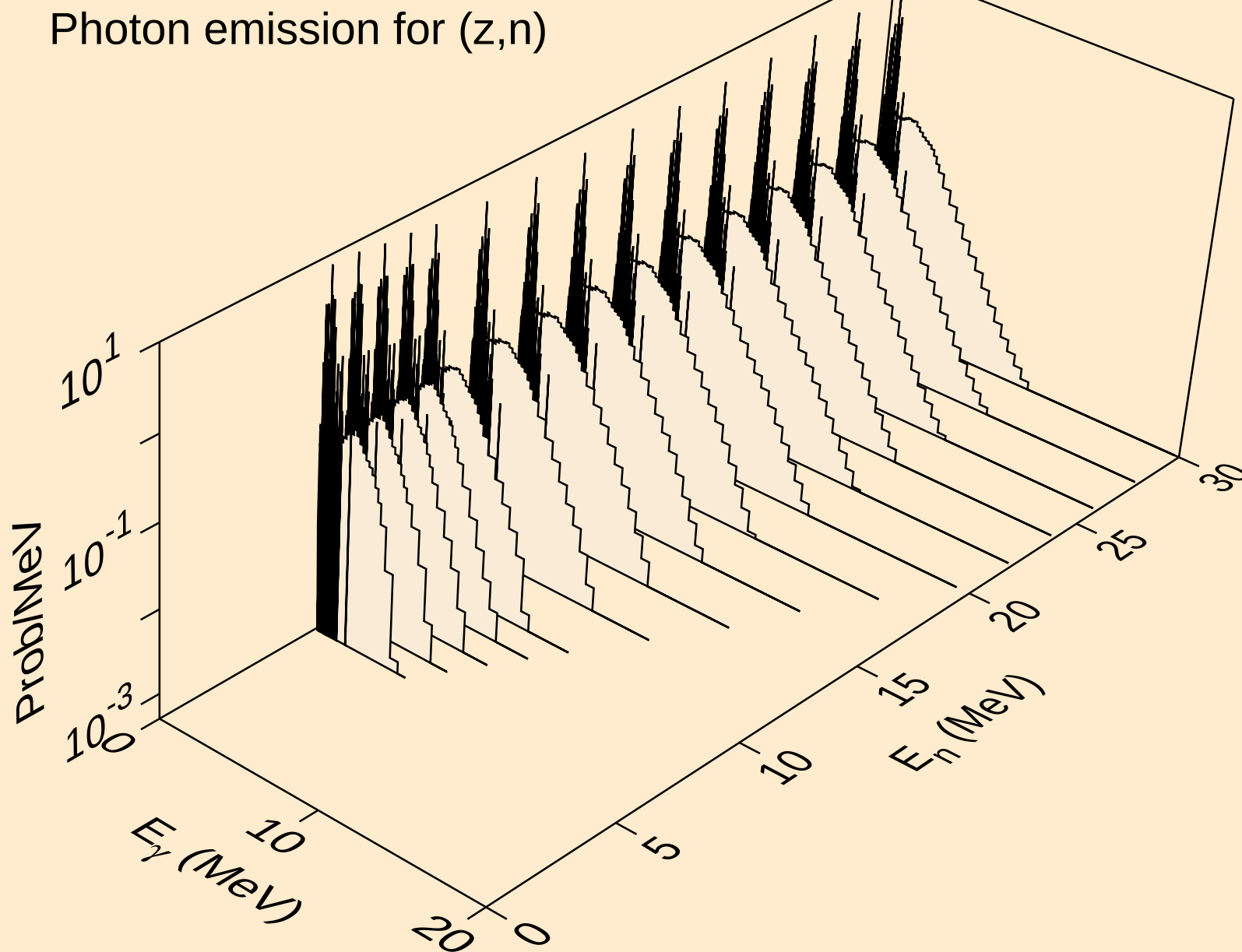
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for inelastic

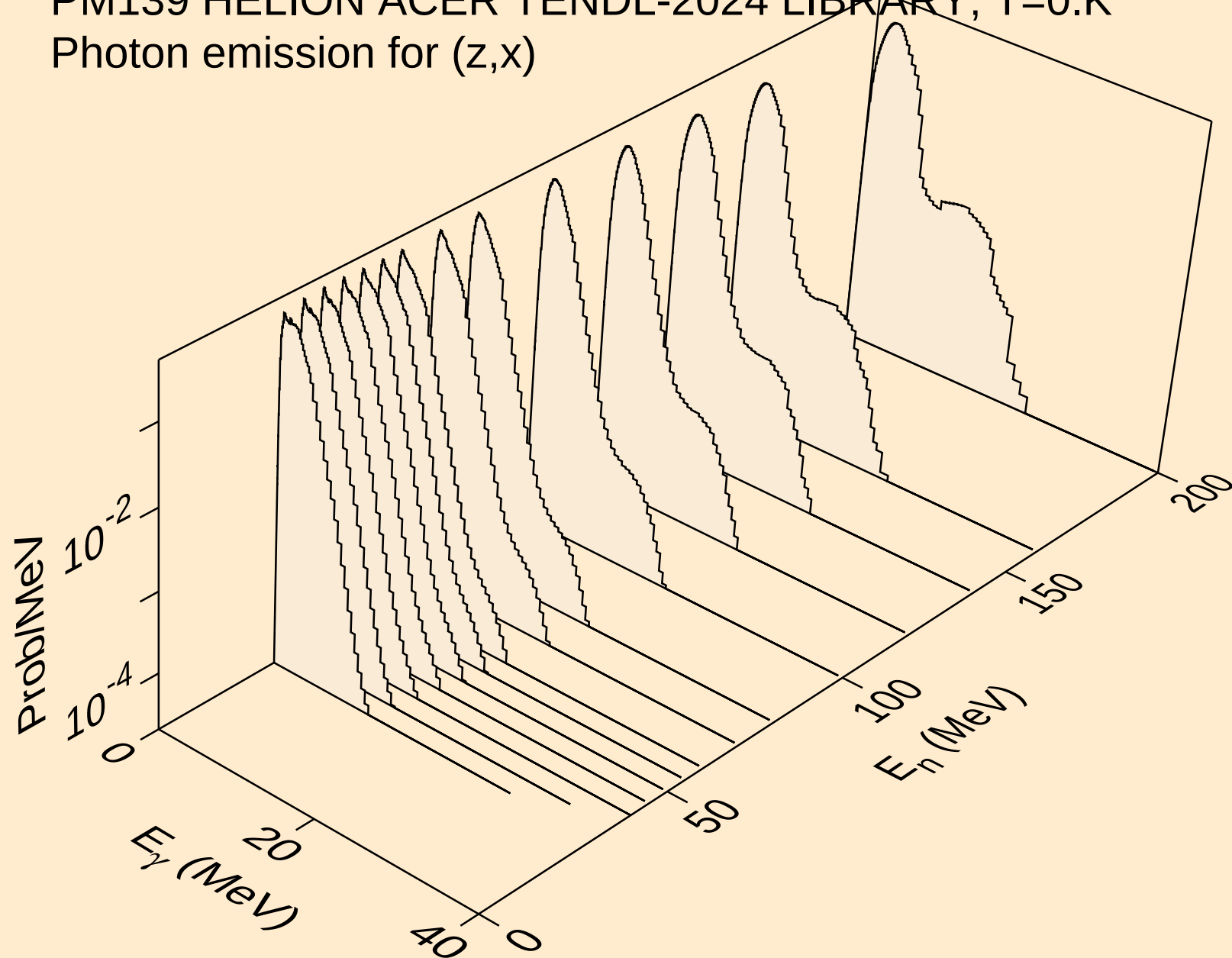


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,n)

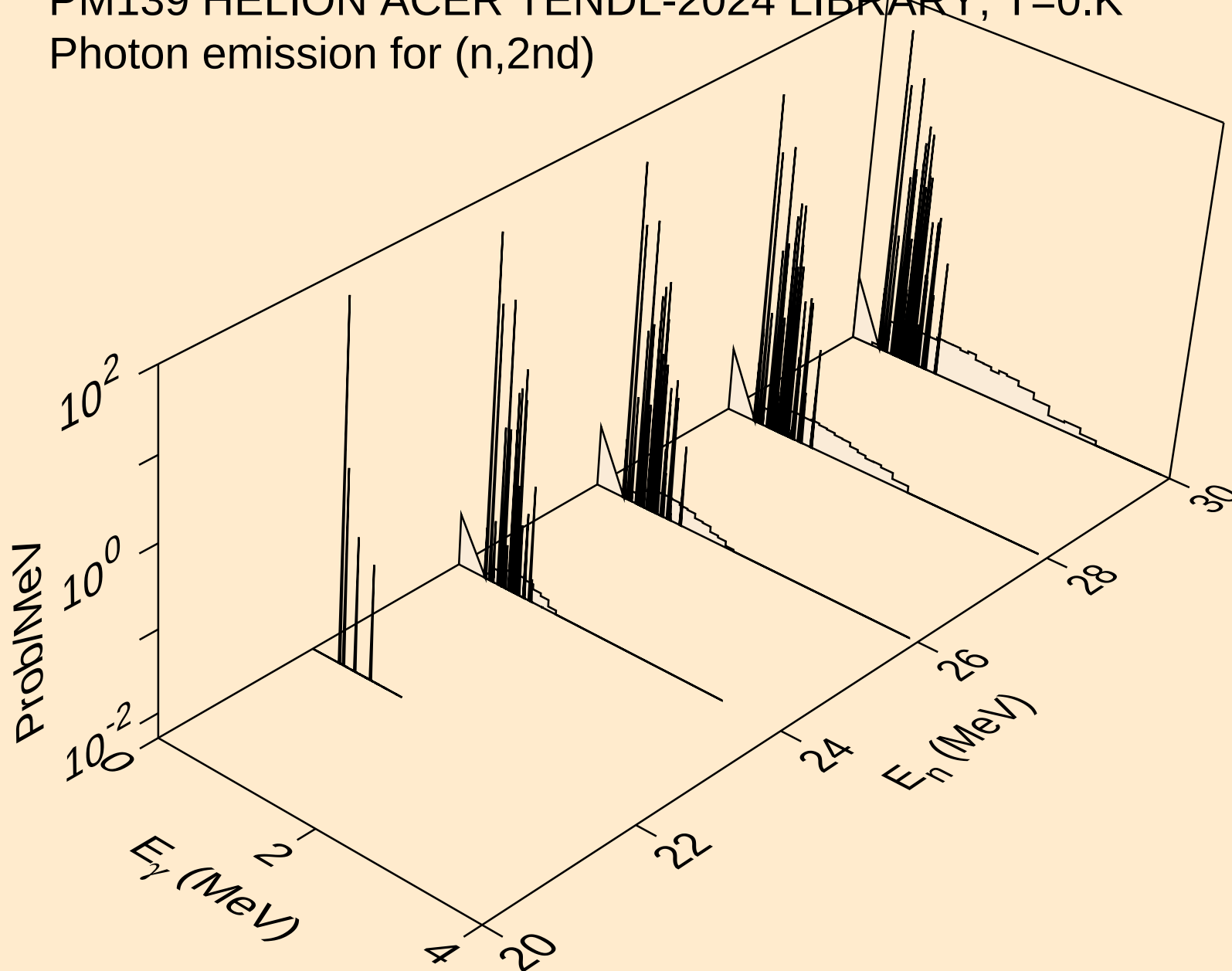


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

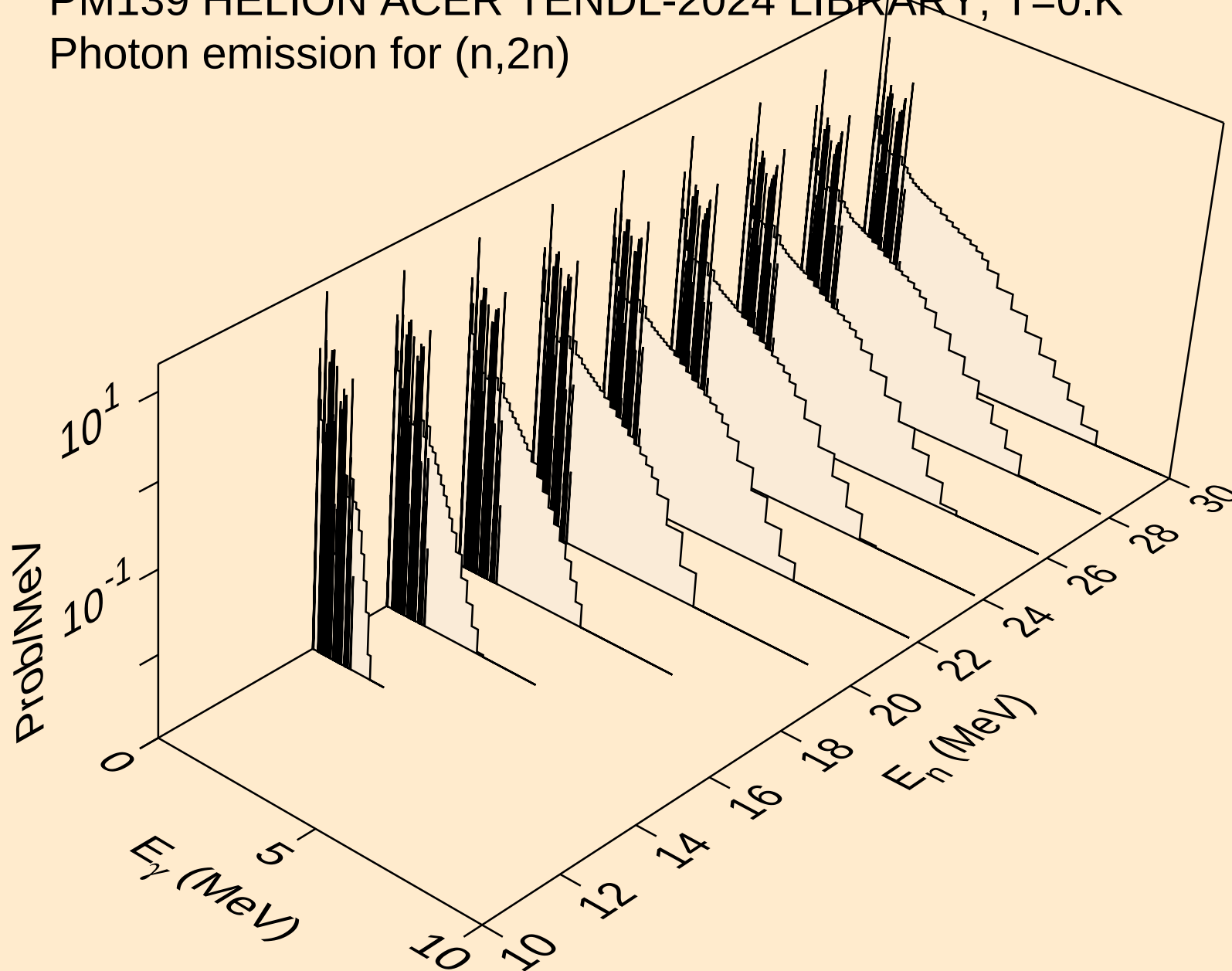
Photon emission for (z,x)



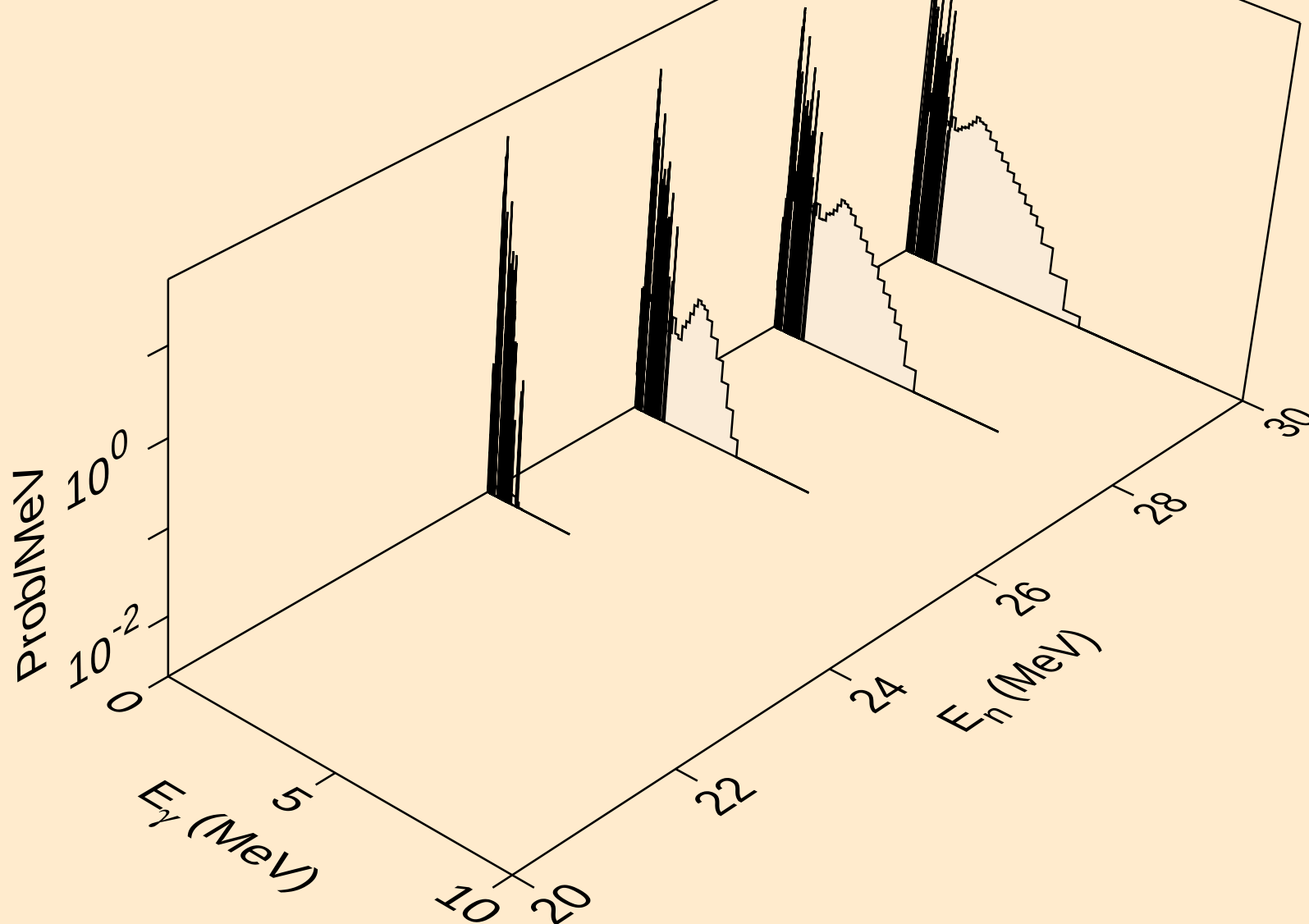
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)

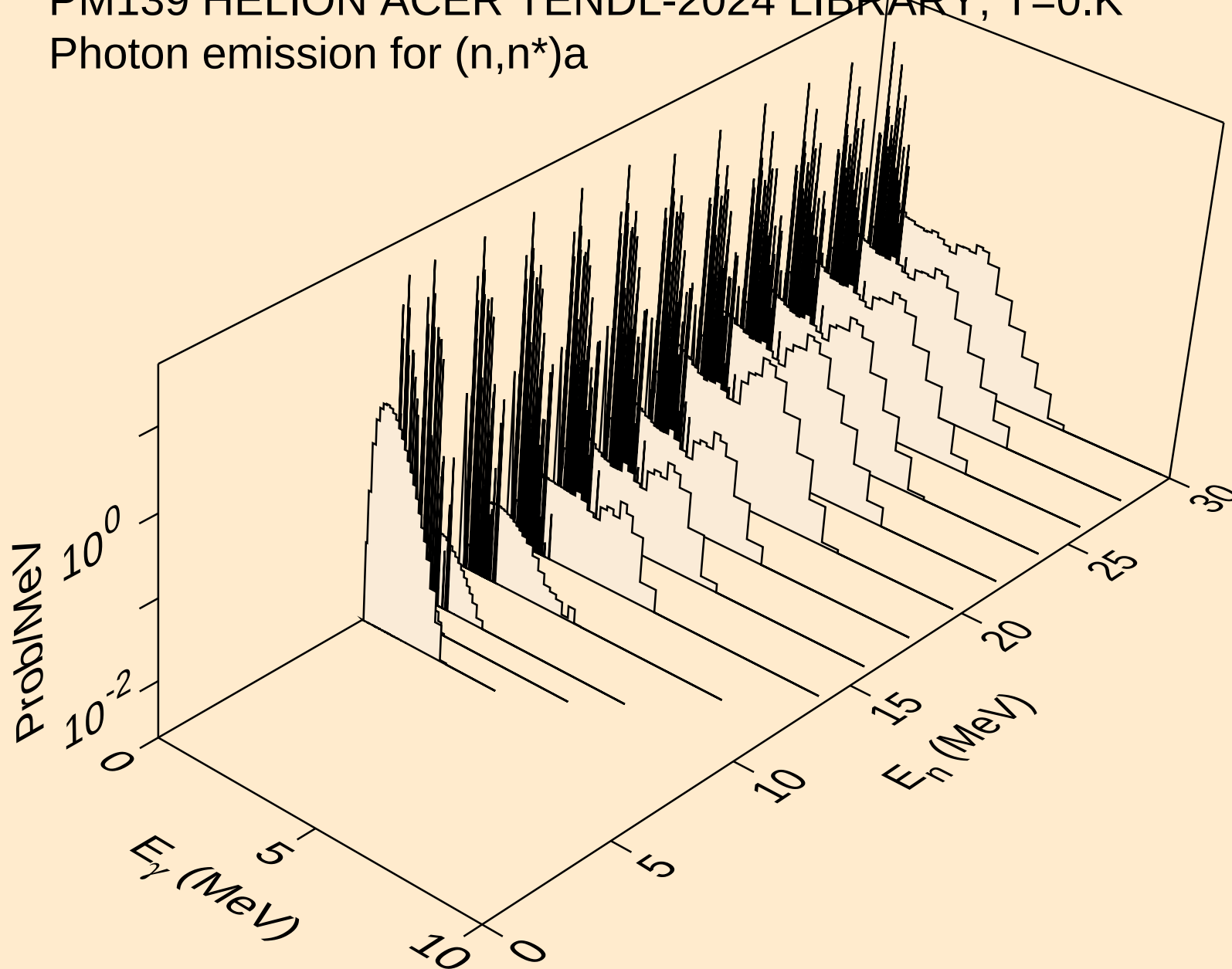


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)



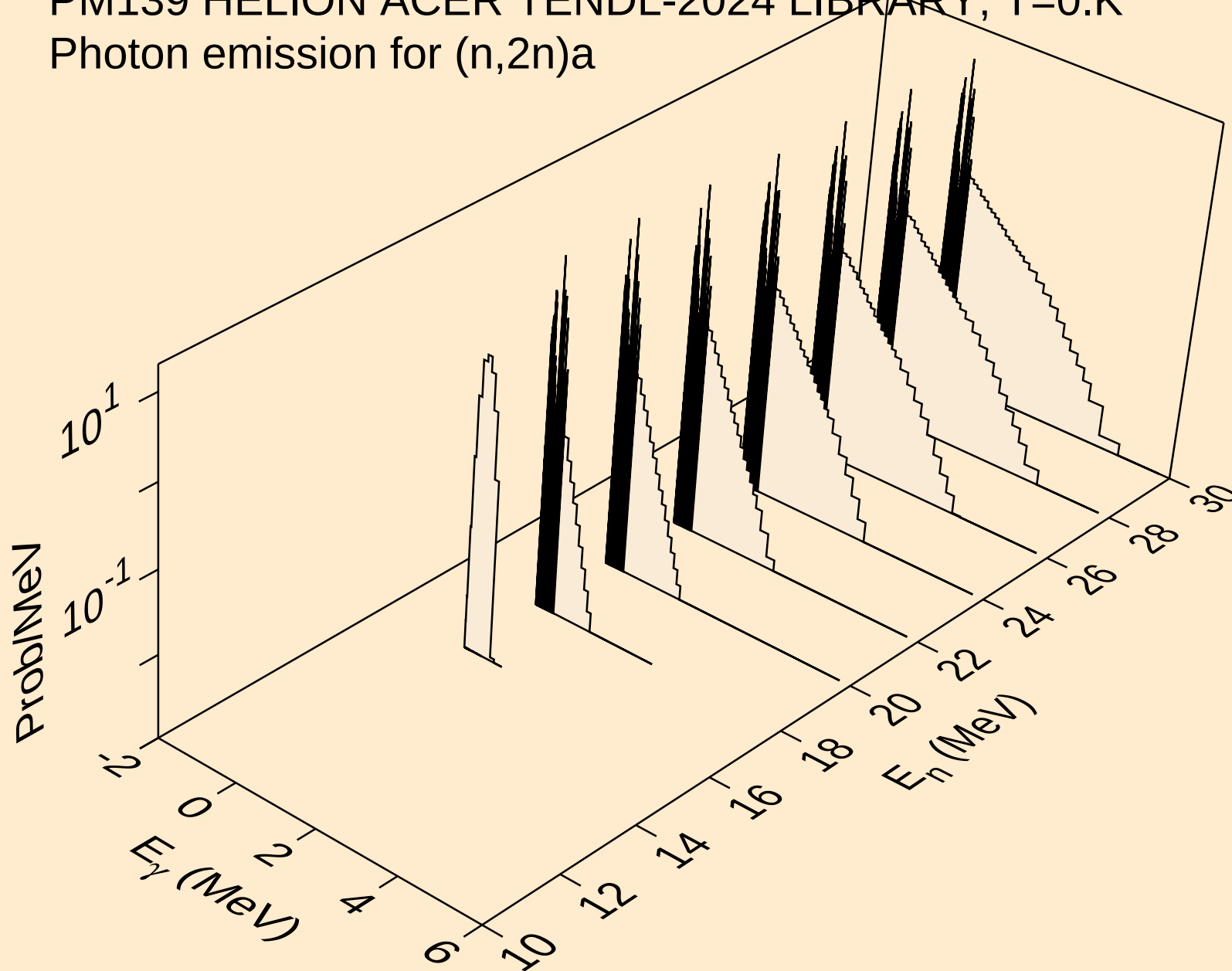
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)a



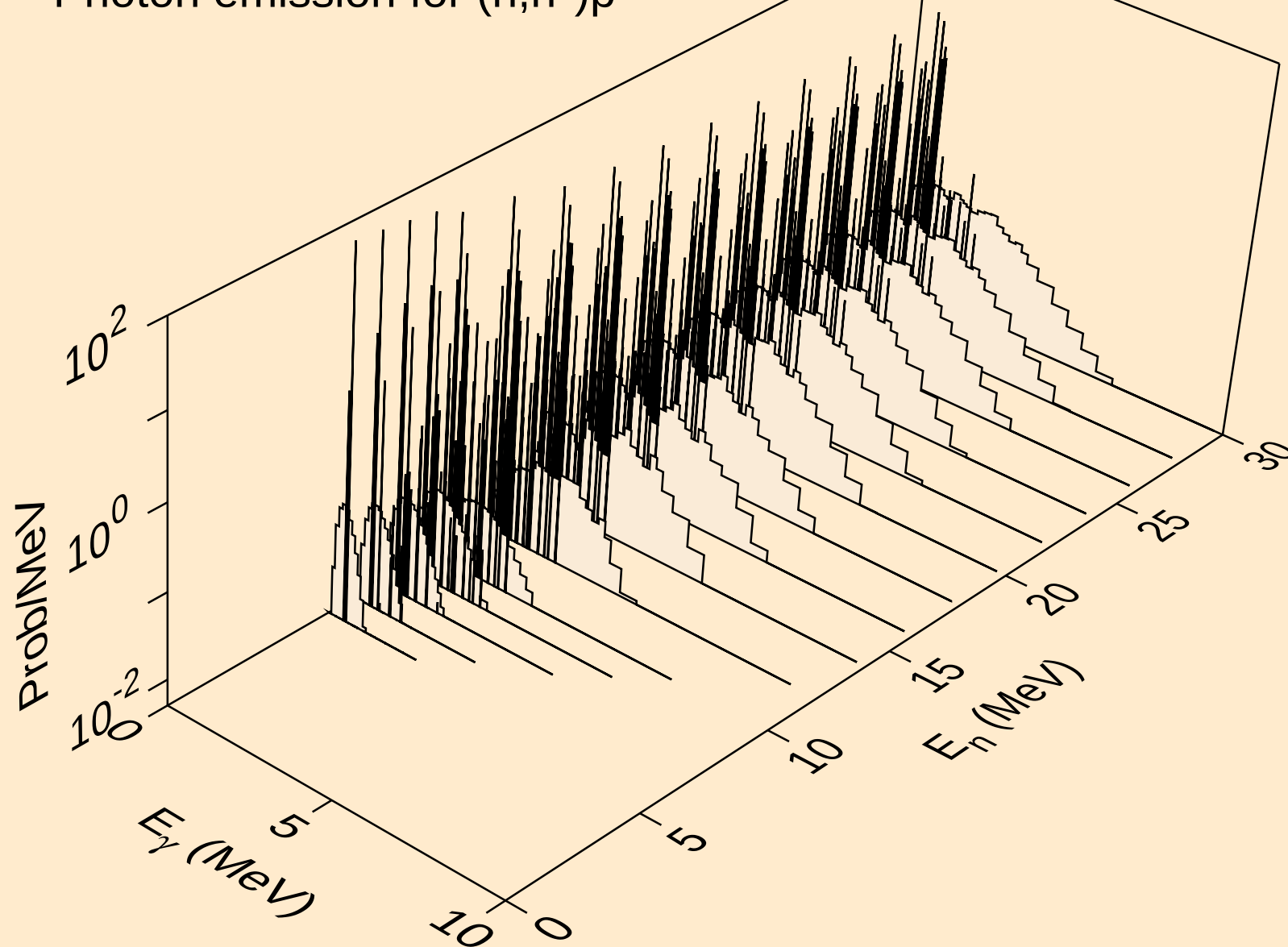
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)a



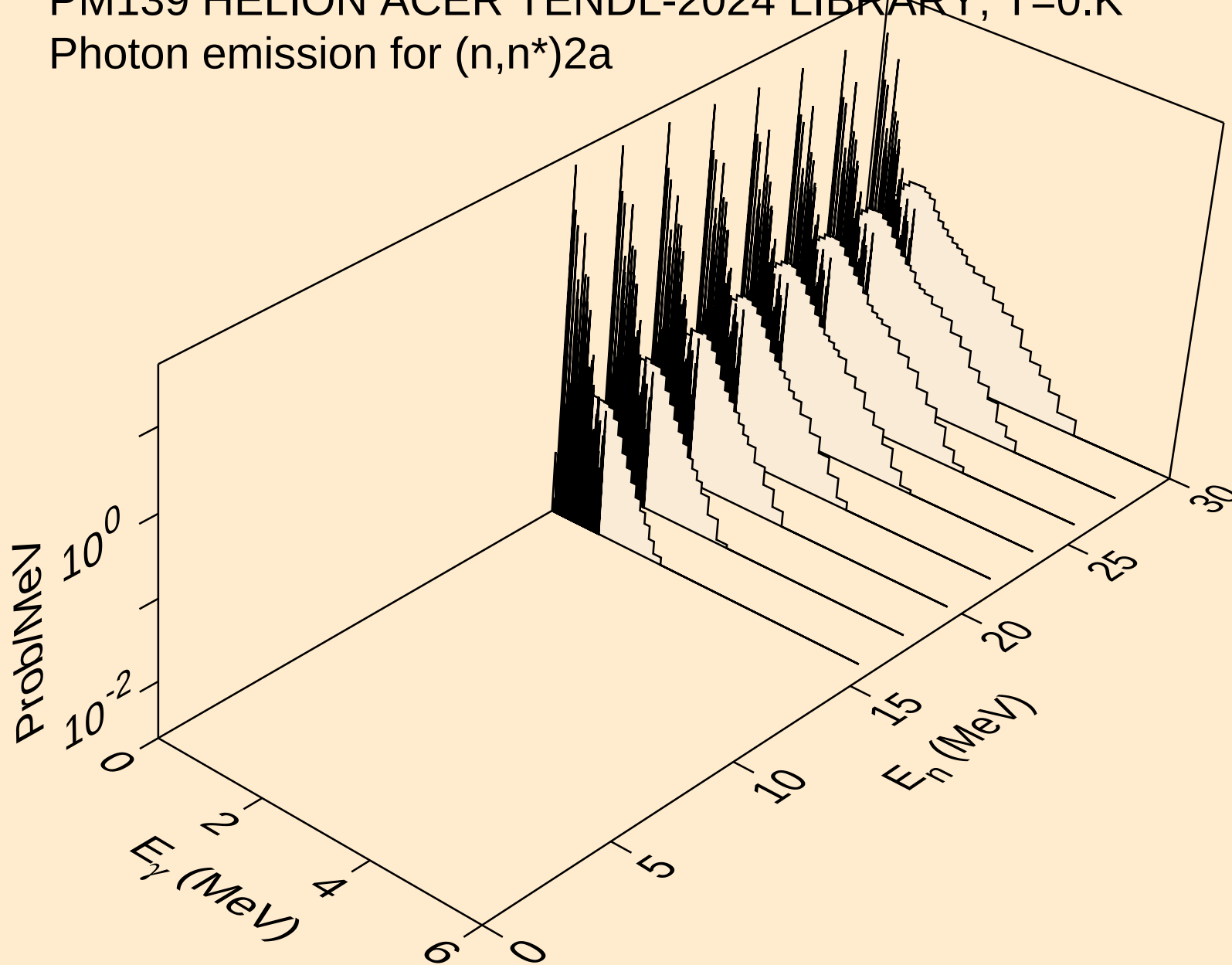
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)p



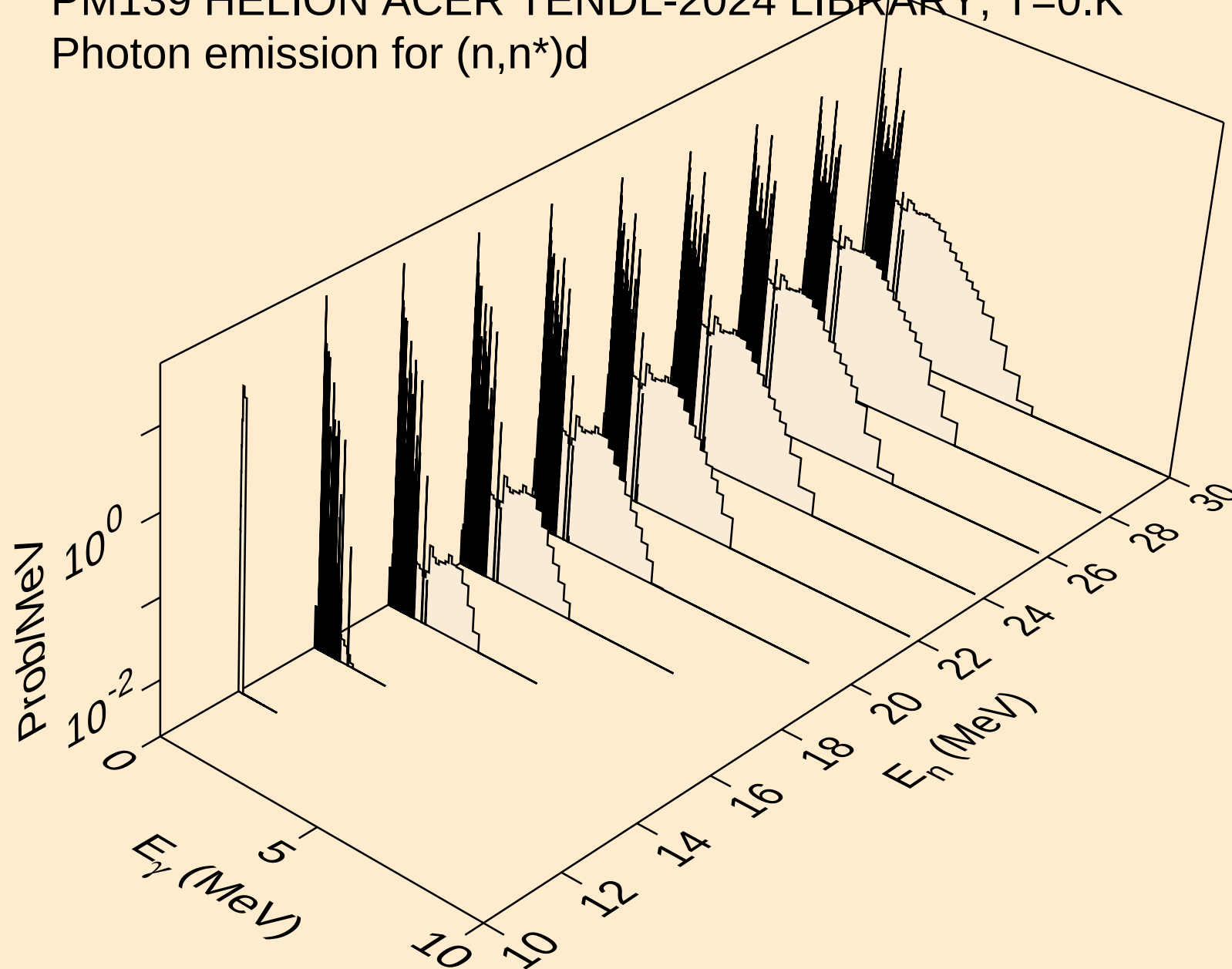
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)2a



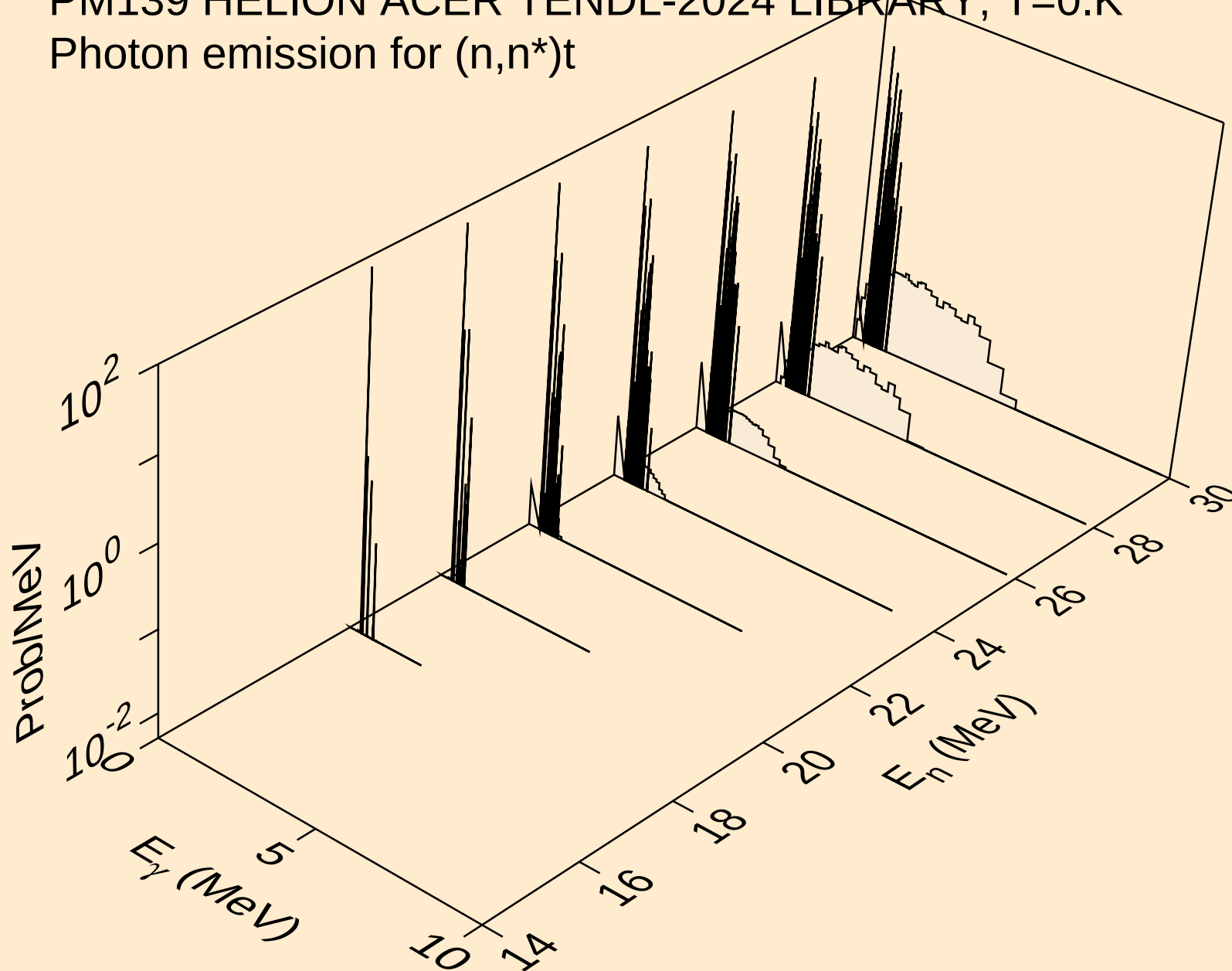
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)d

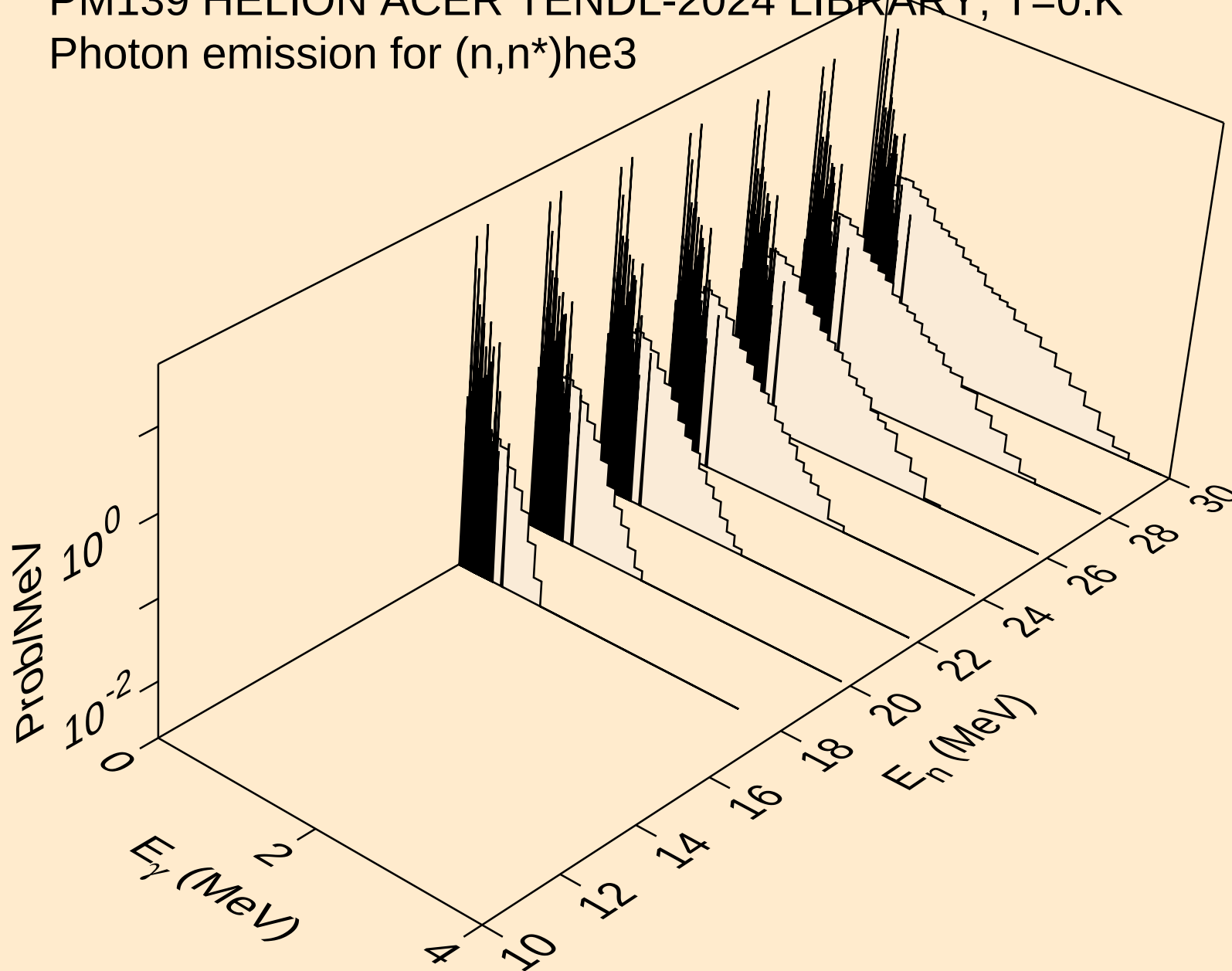


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K

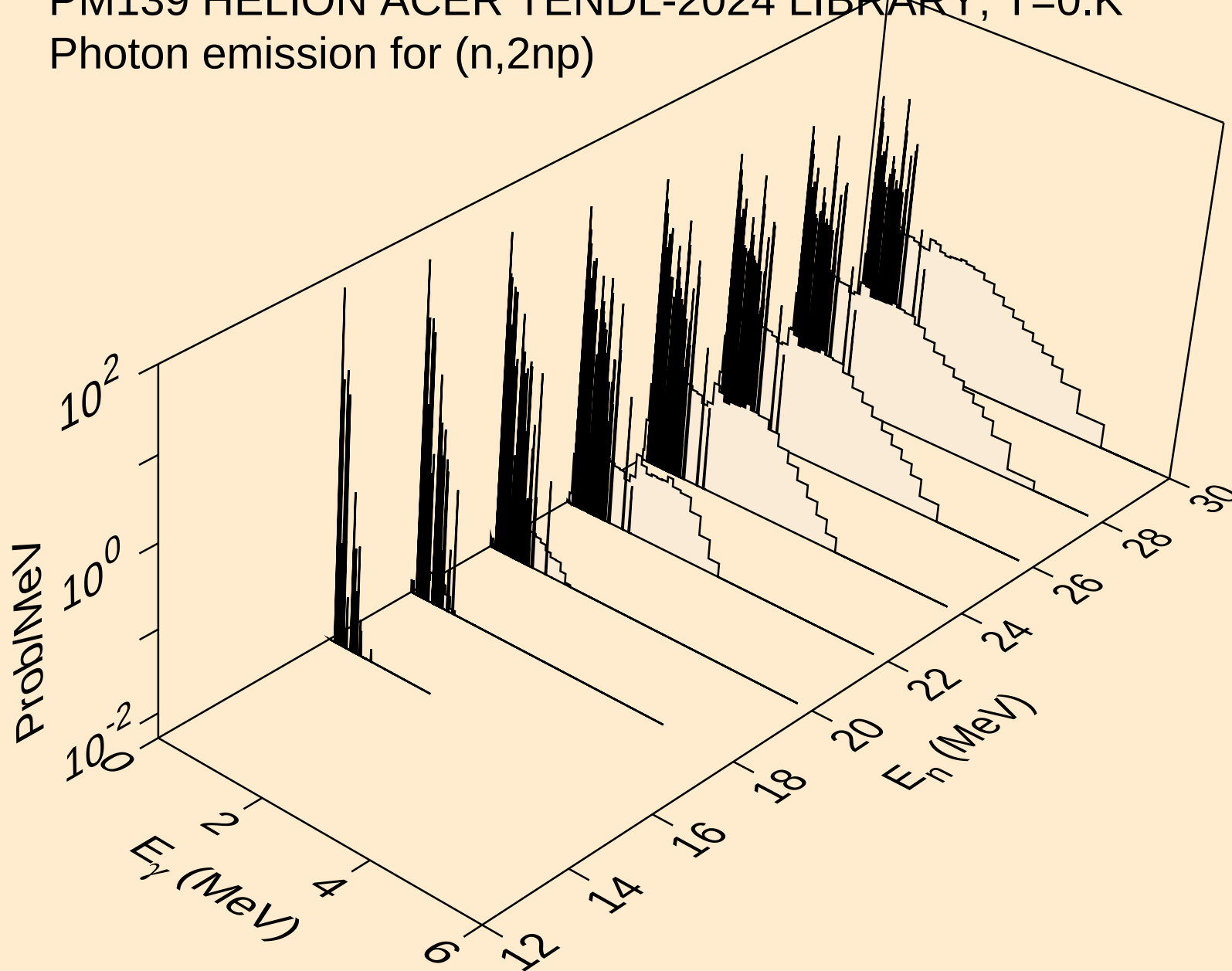
Photon emission for (n,n*)t



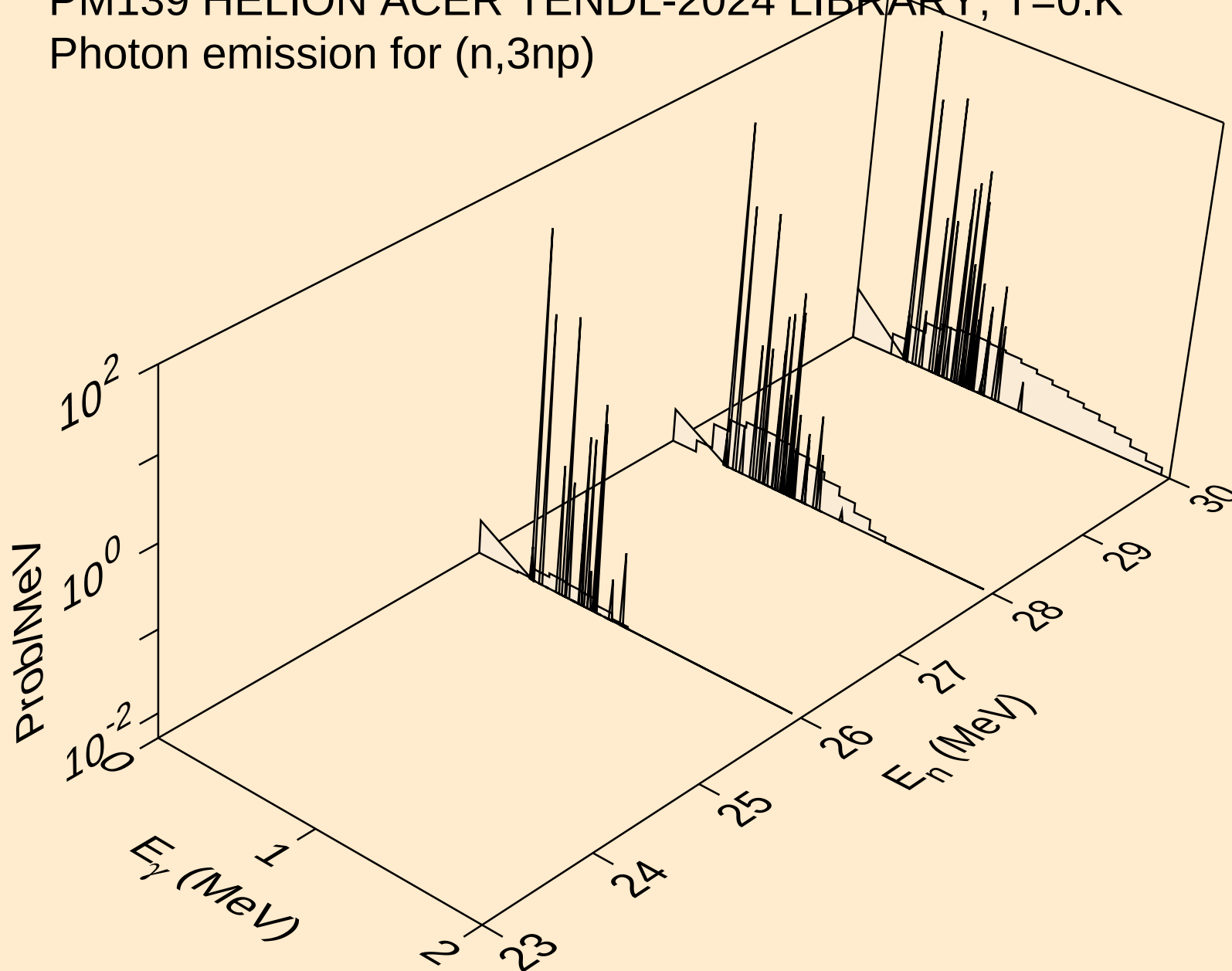
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3



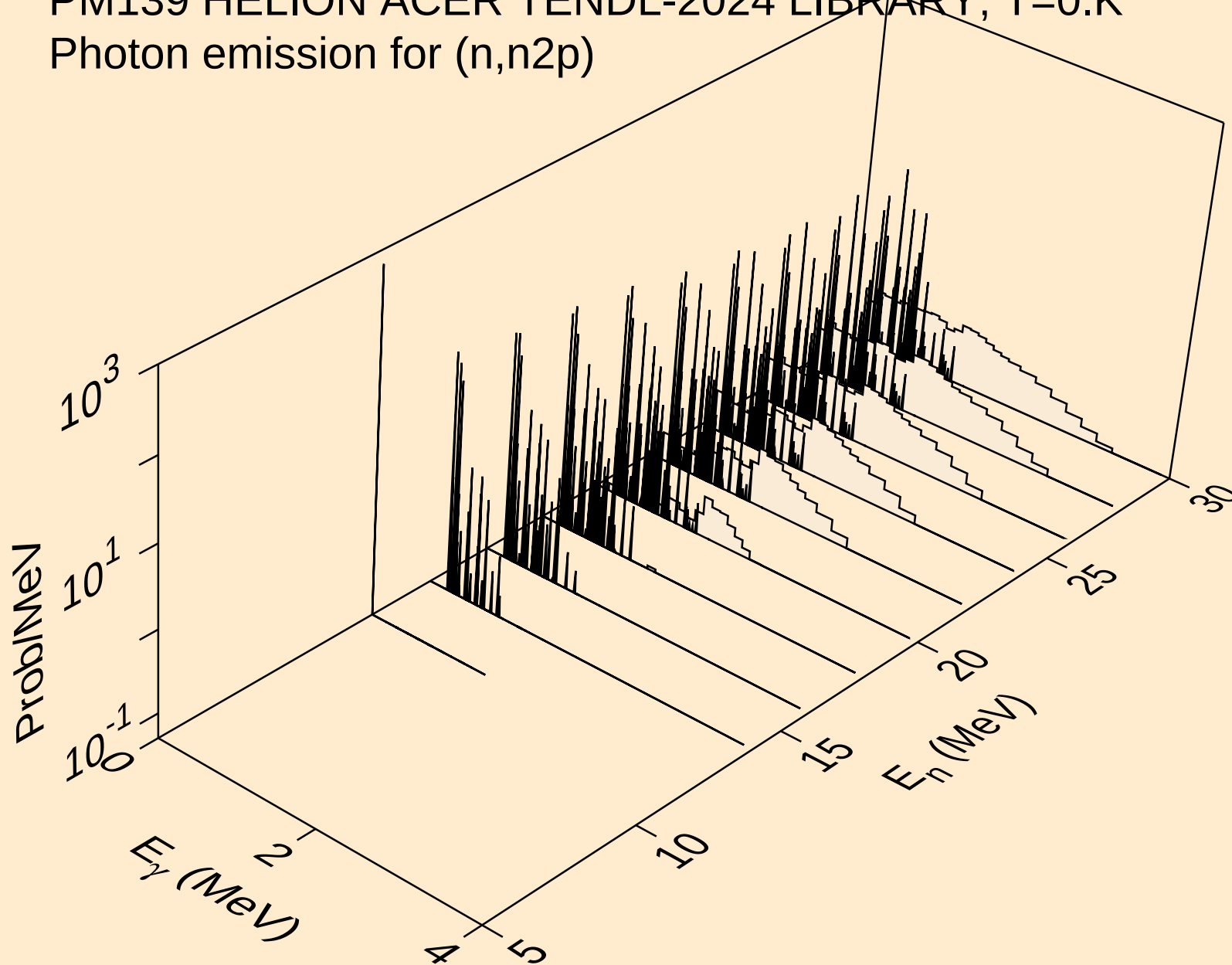
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)



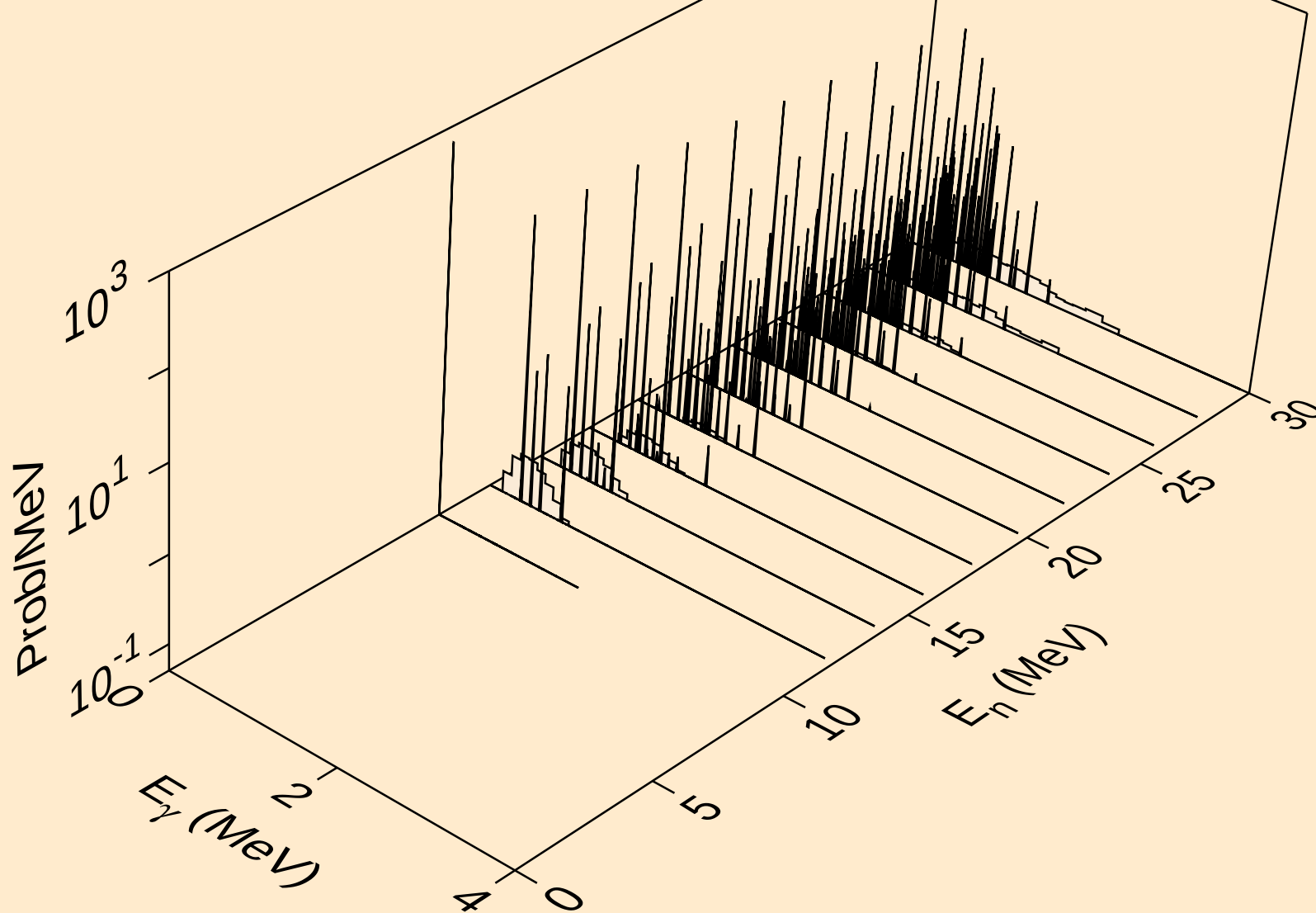
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)



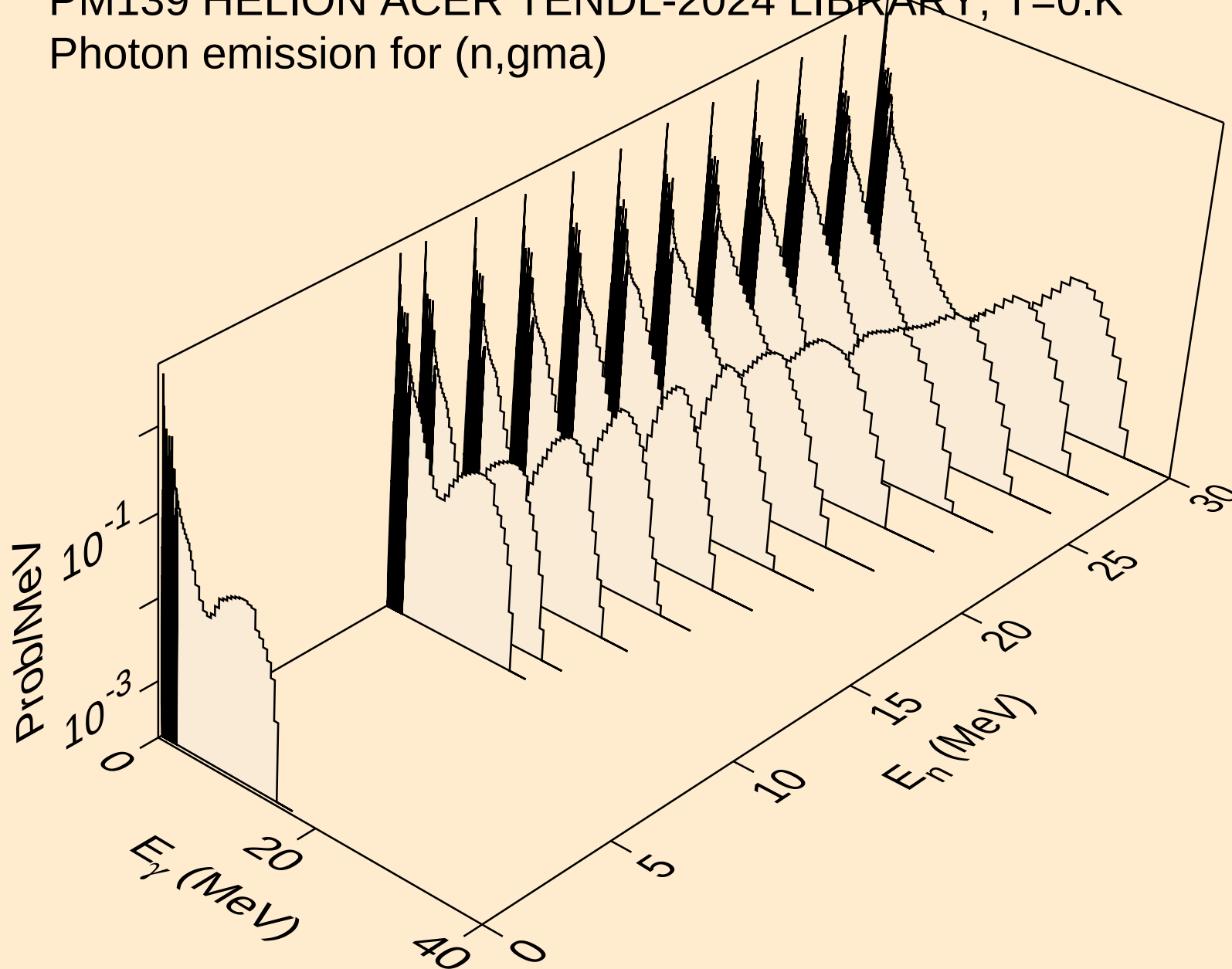
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



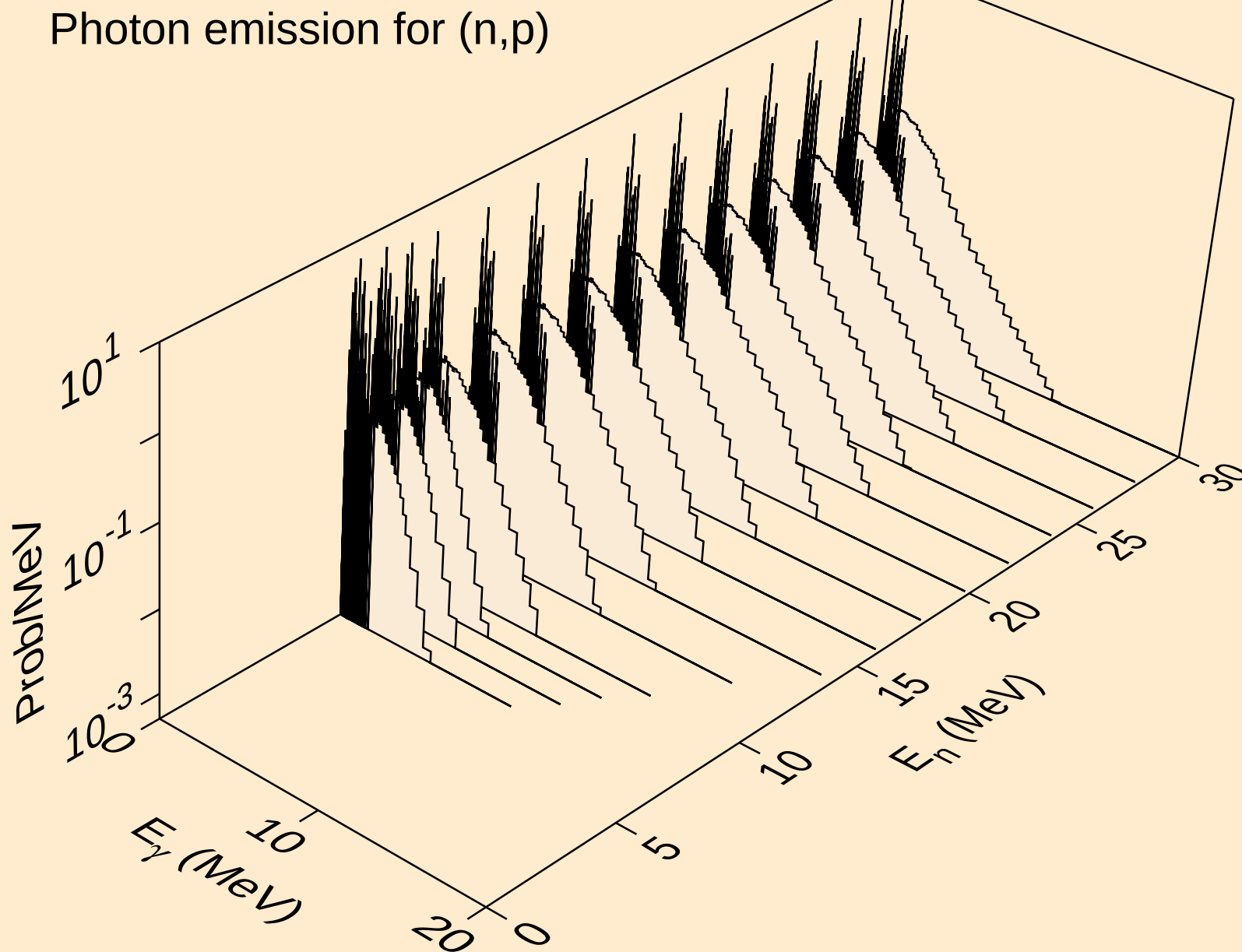
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)



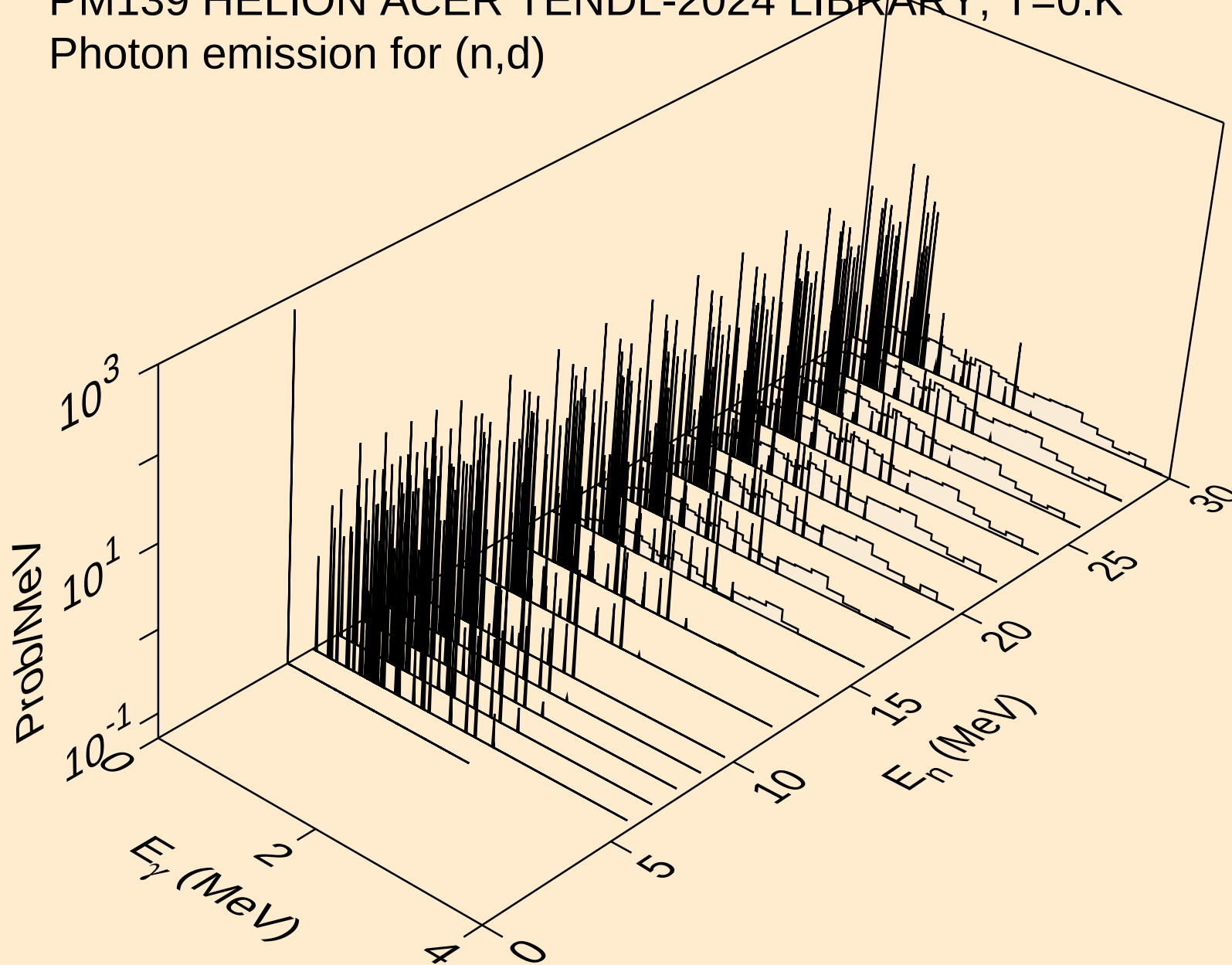
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)



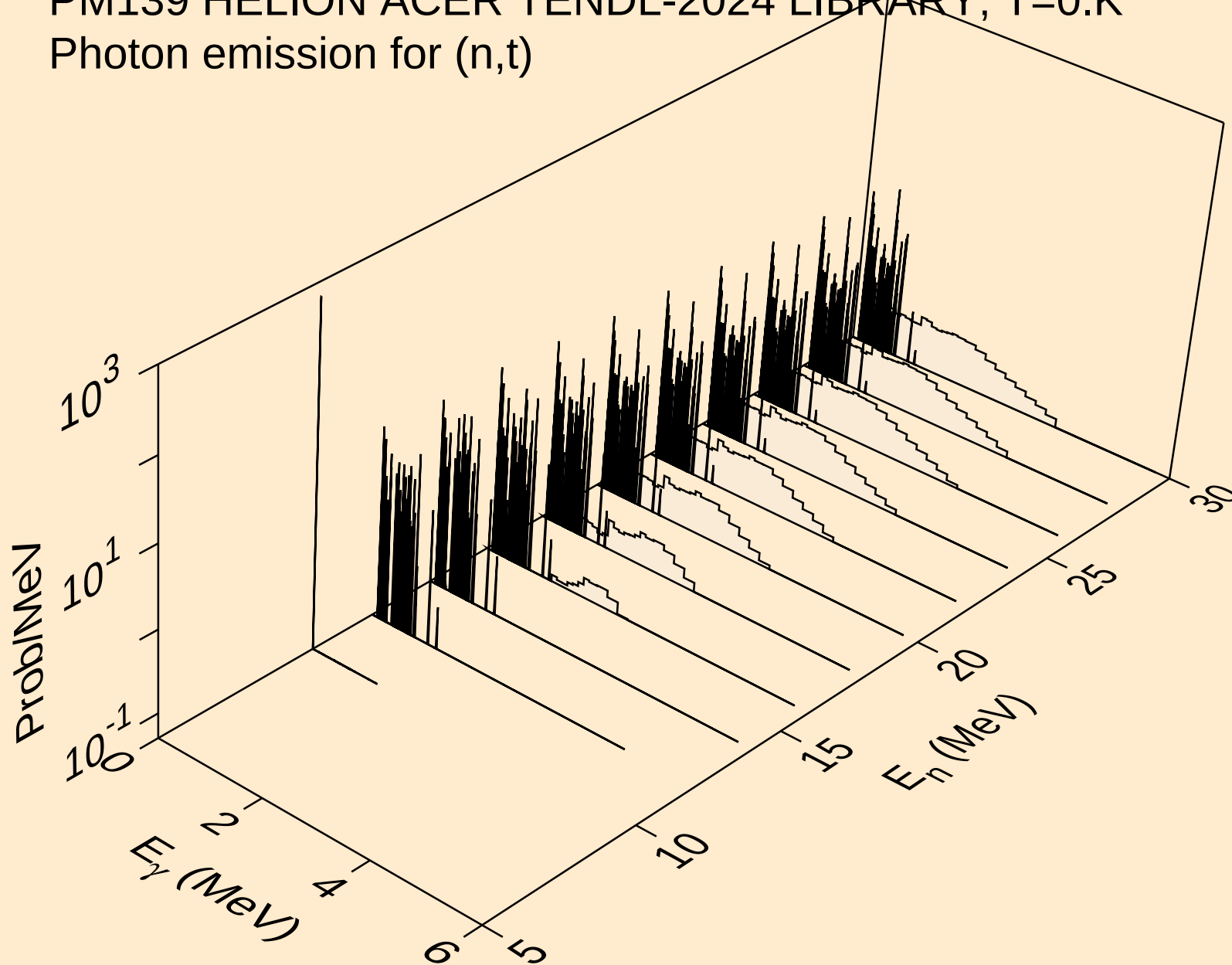
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



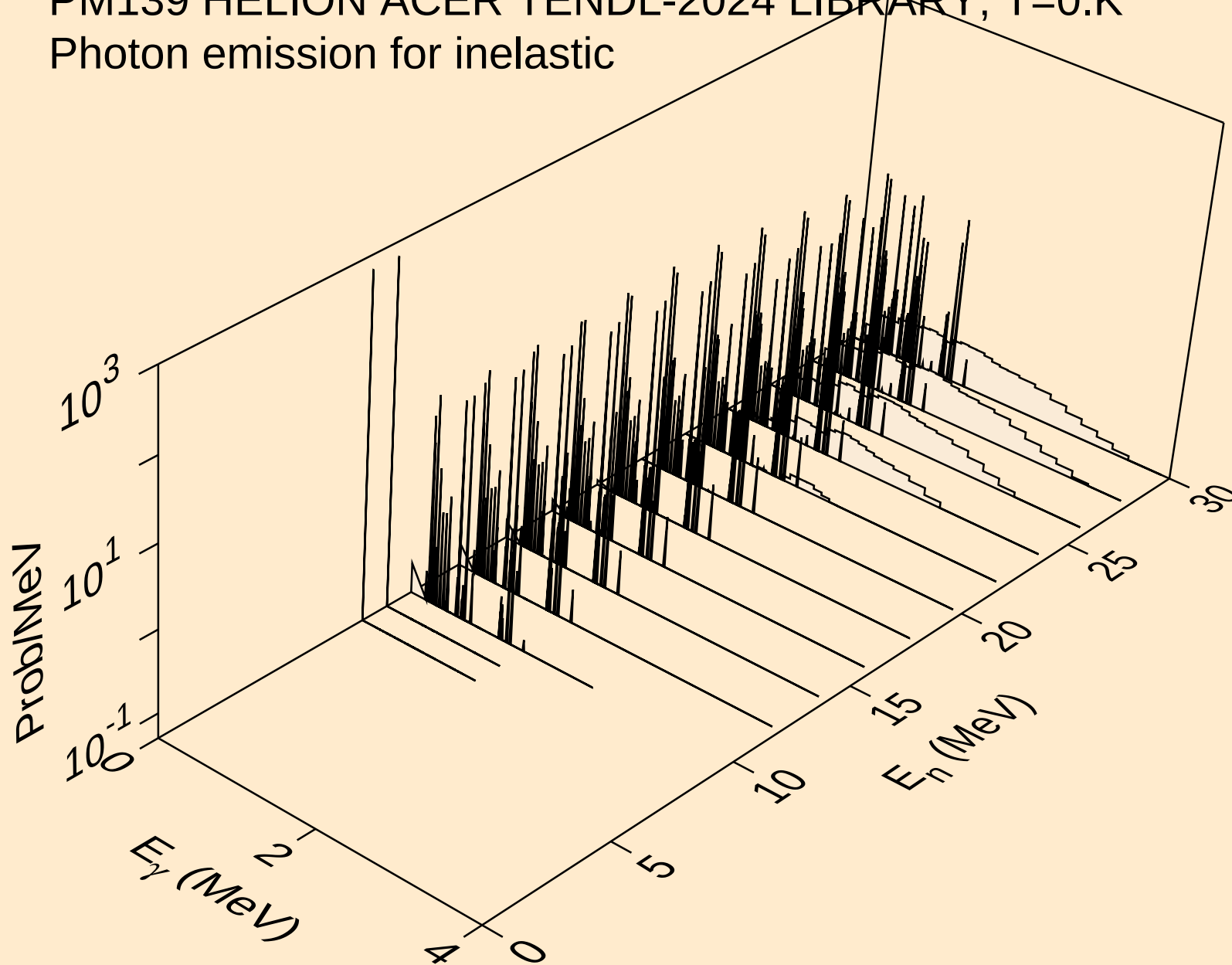
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d)



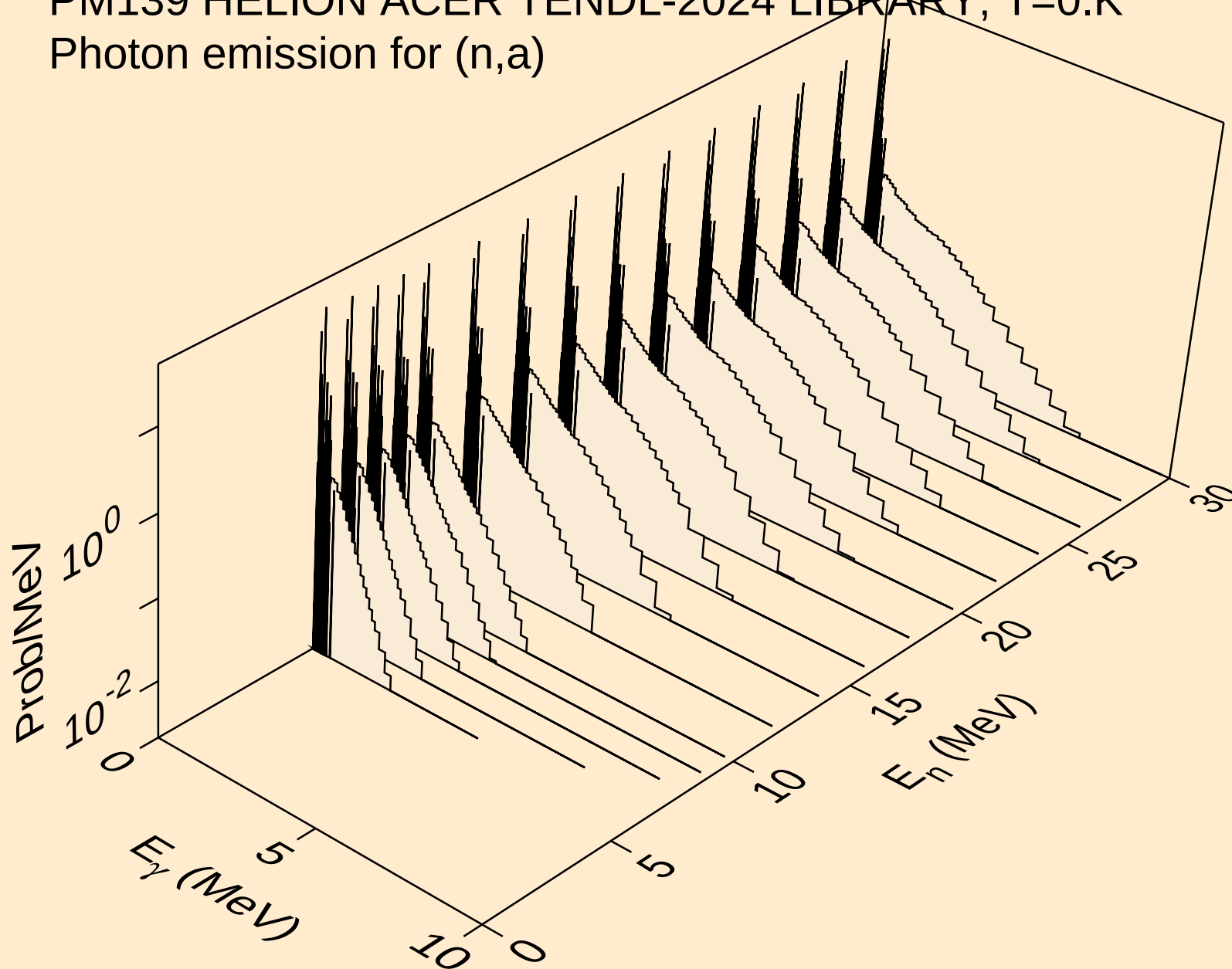
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t)



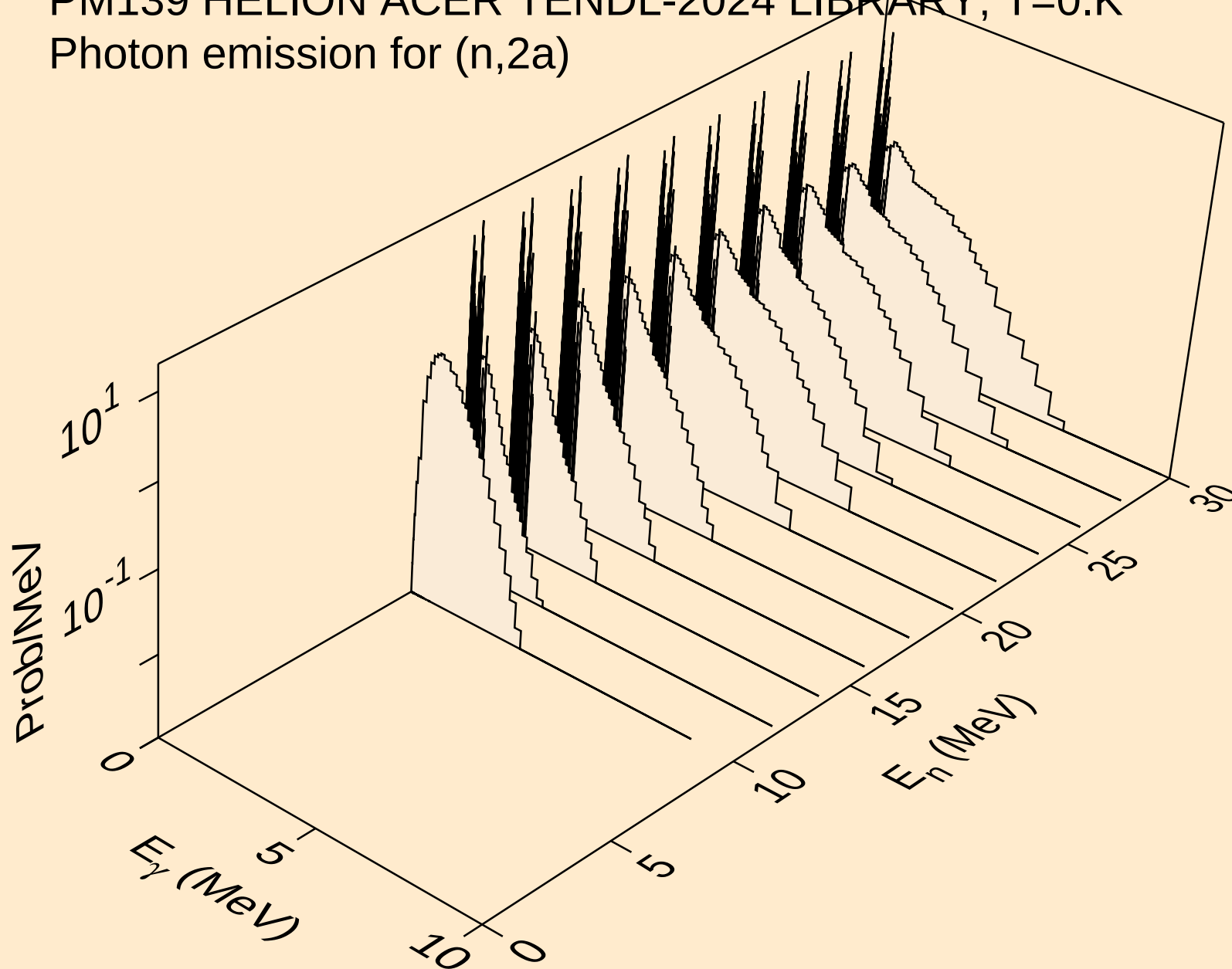
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for inelastic



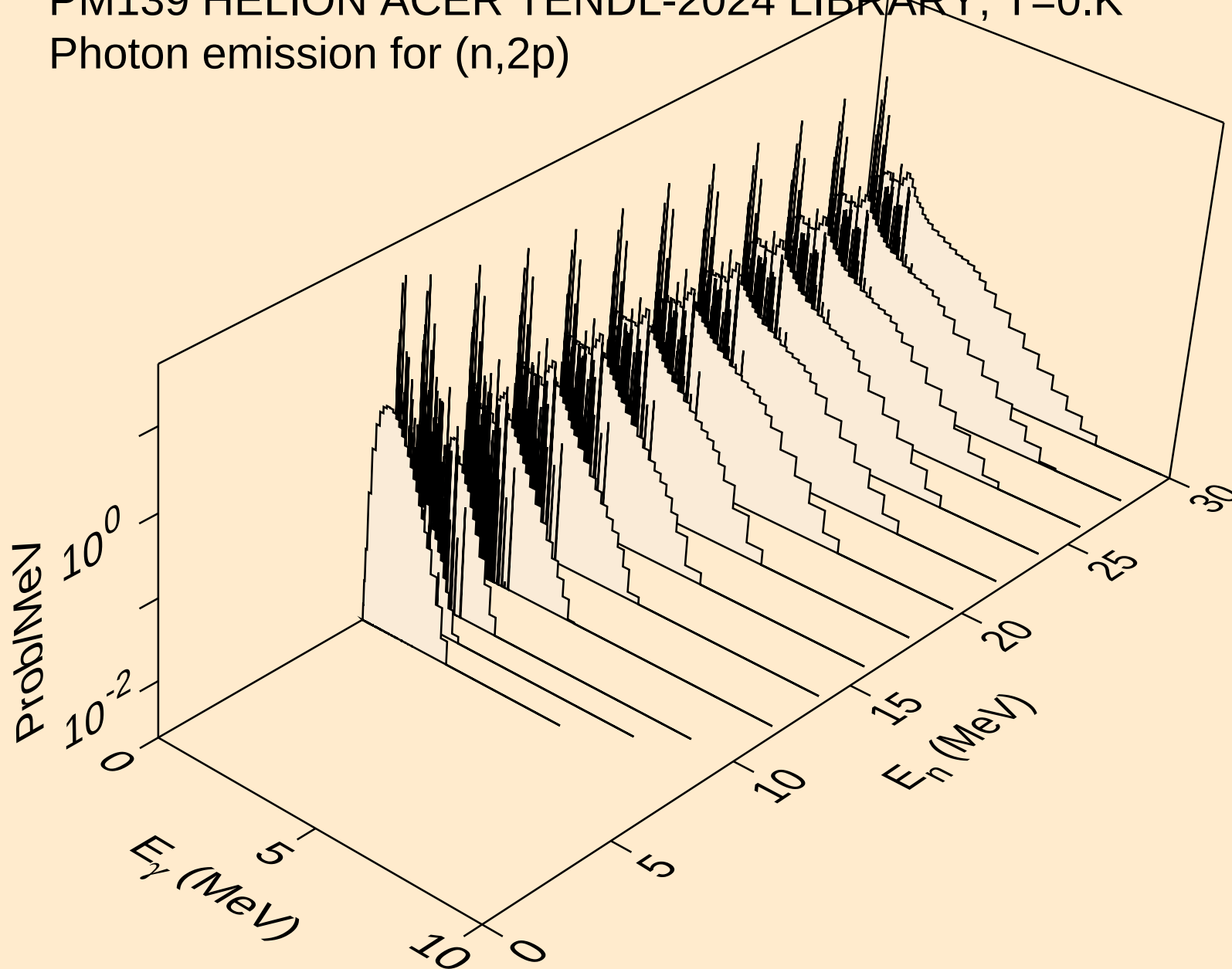
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,a)



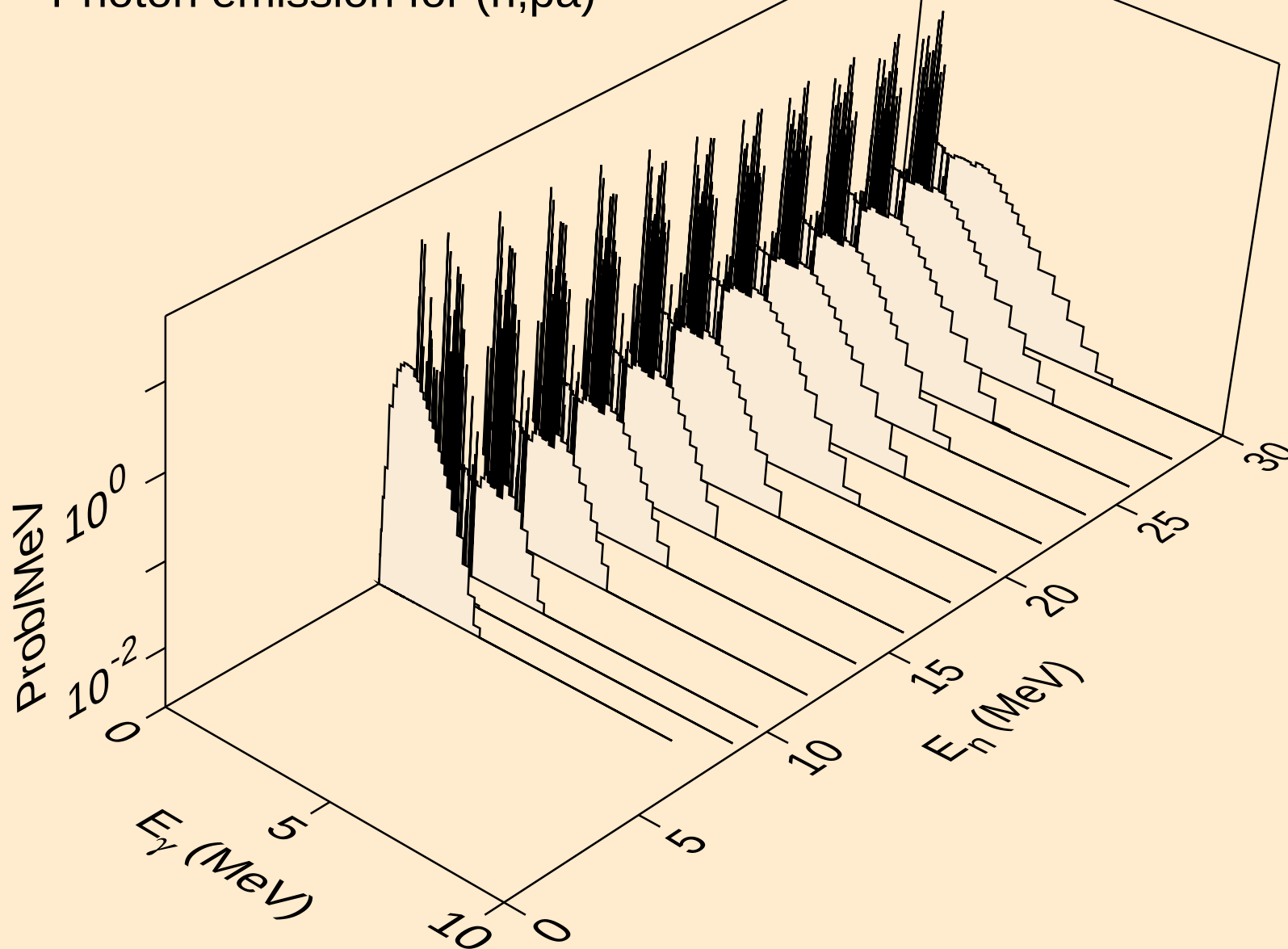
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



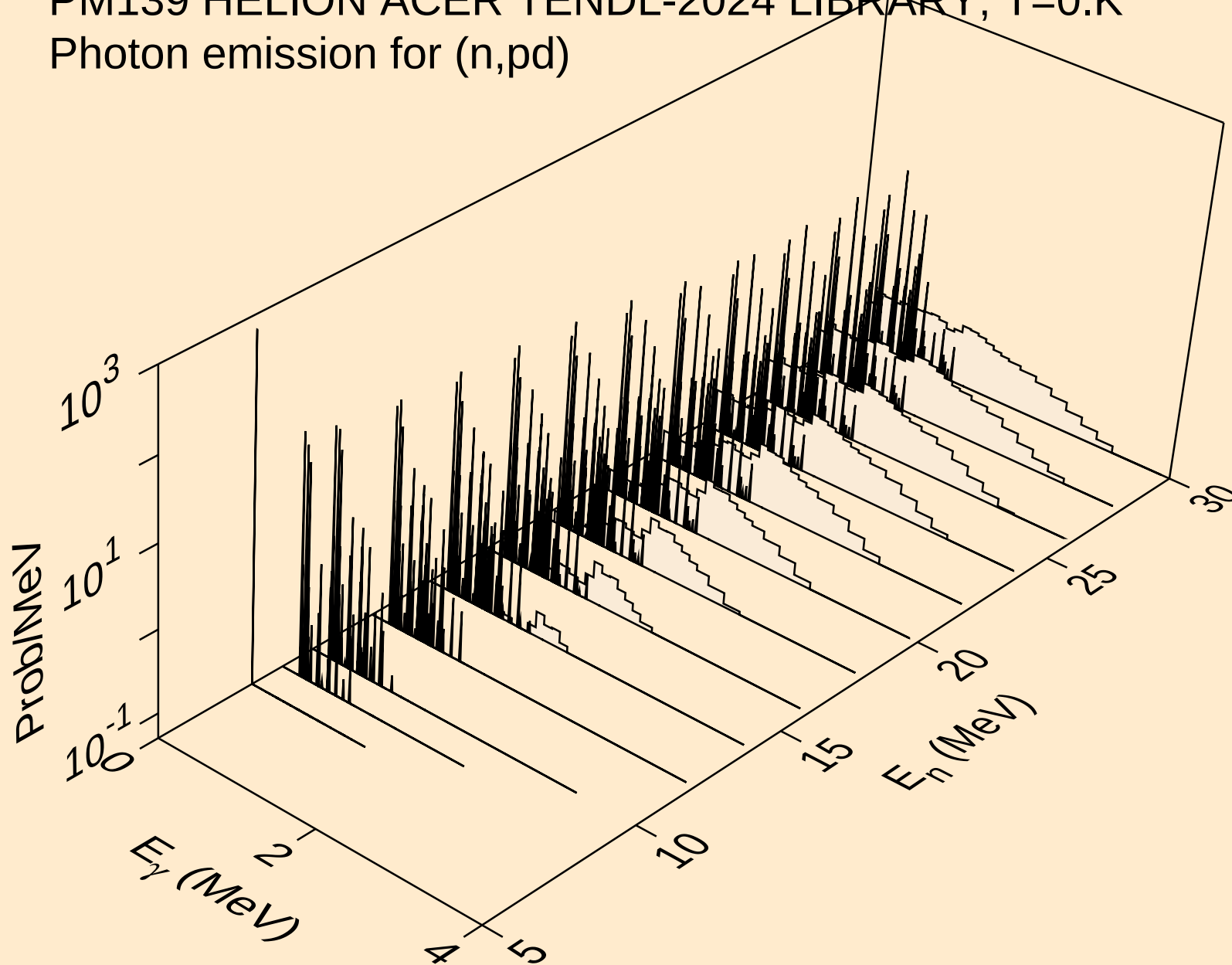
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)



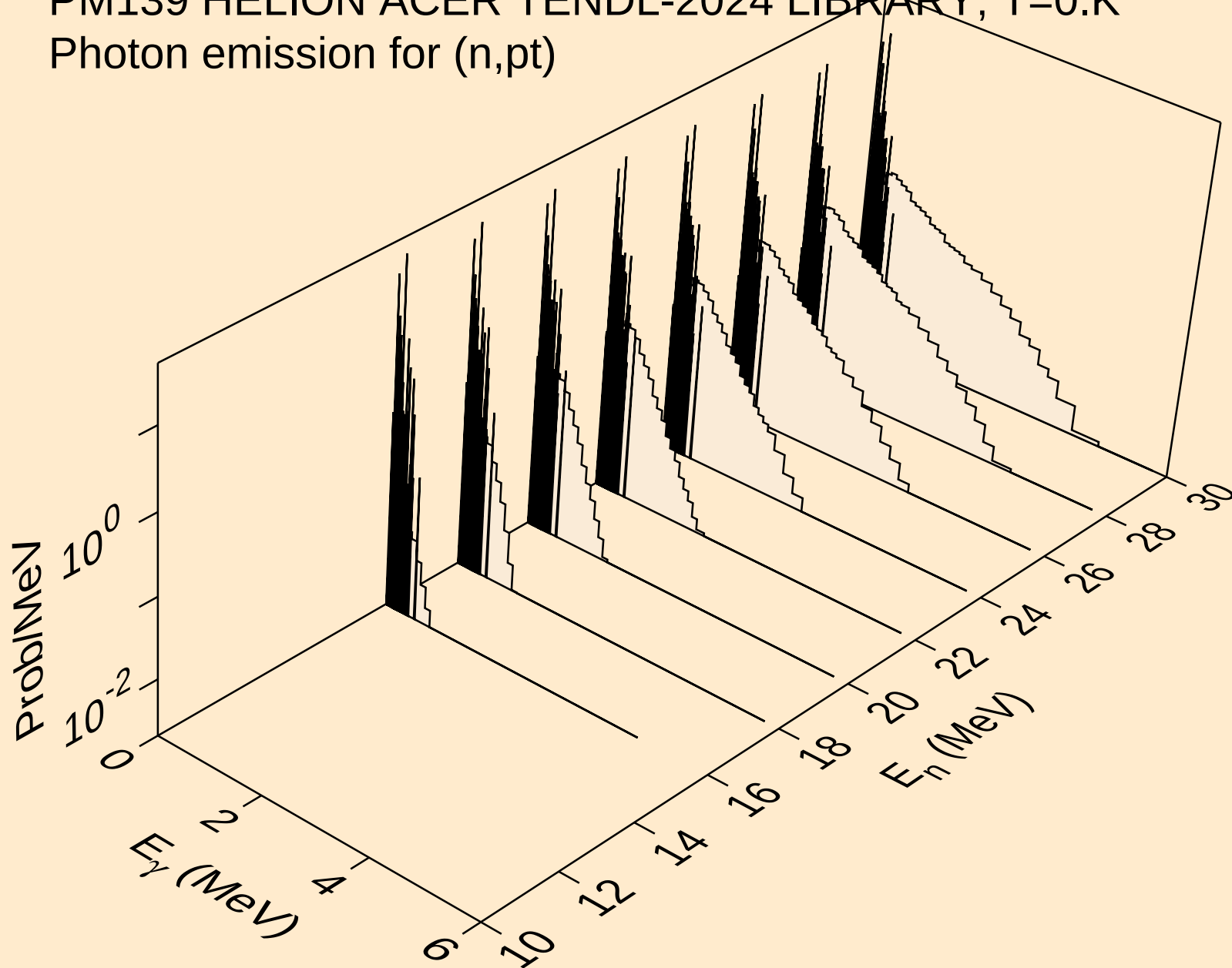
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p α)



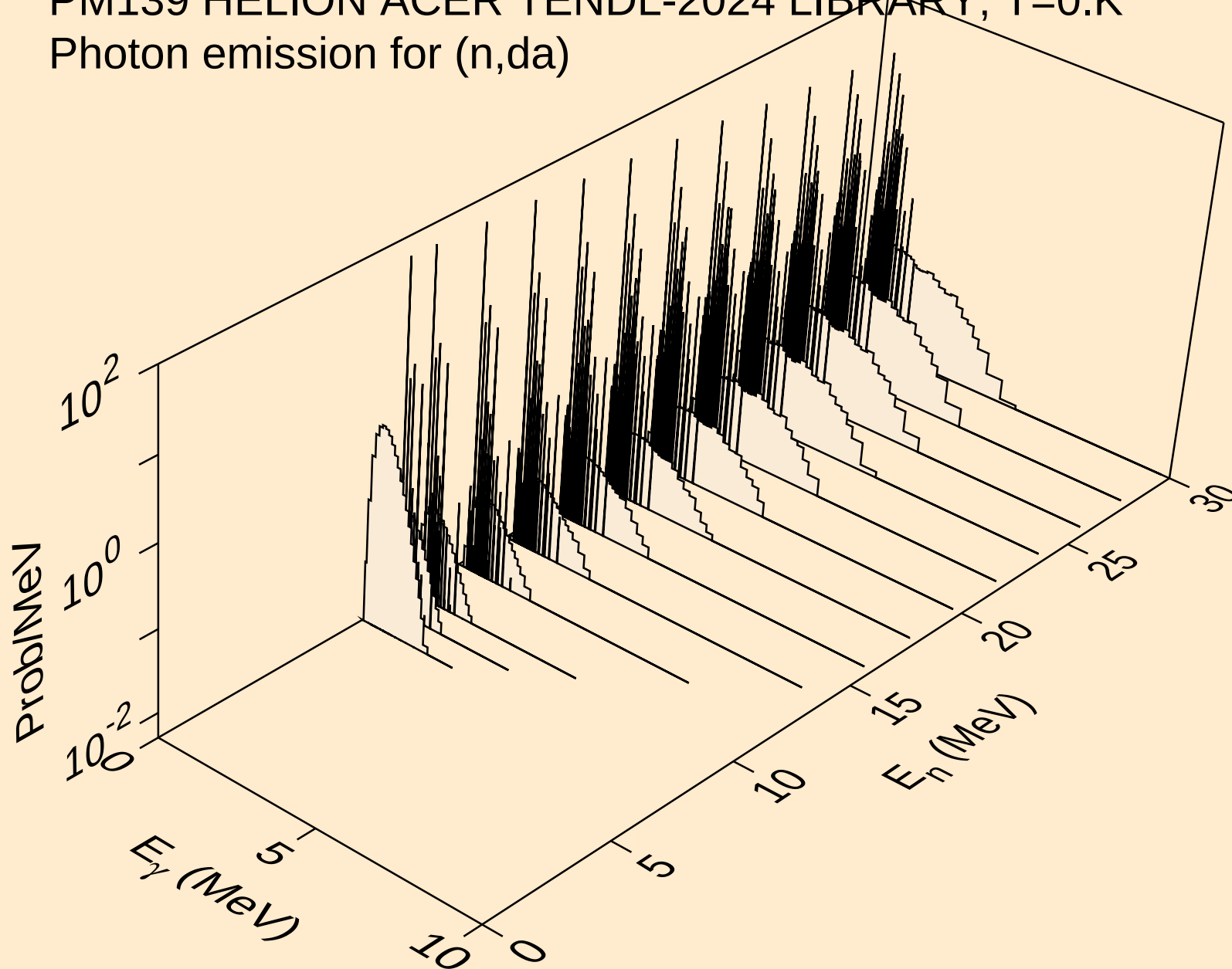
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pd)



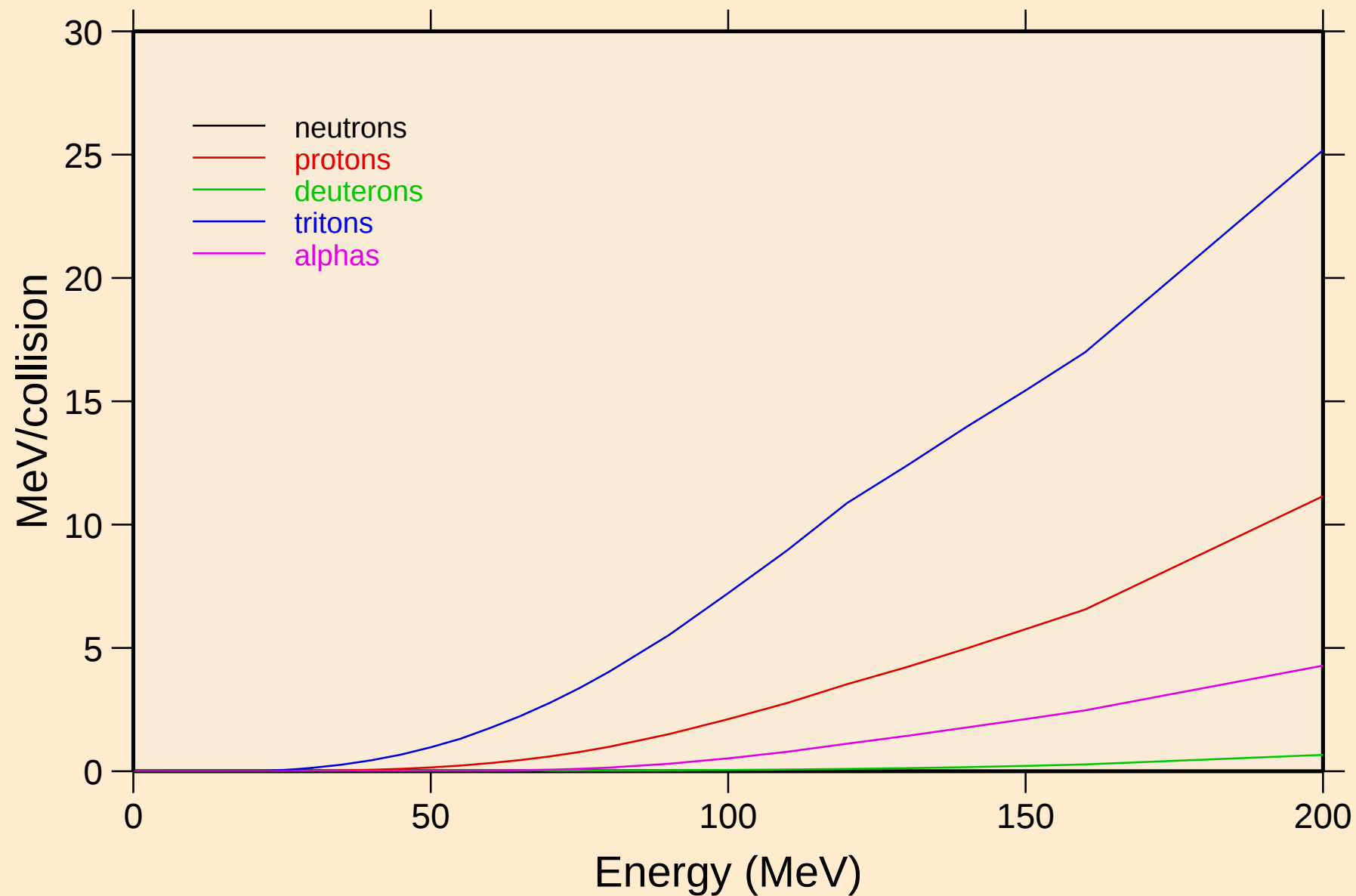
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pt)



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)

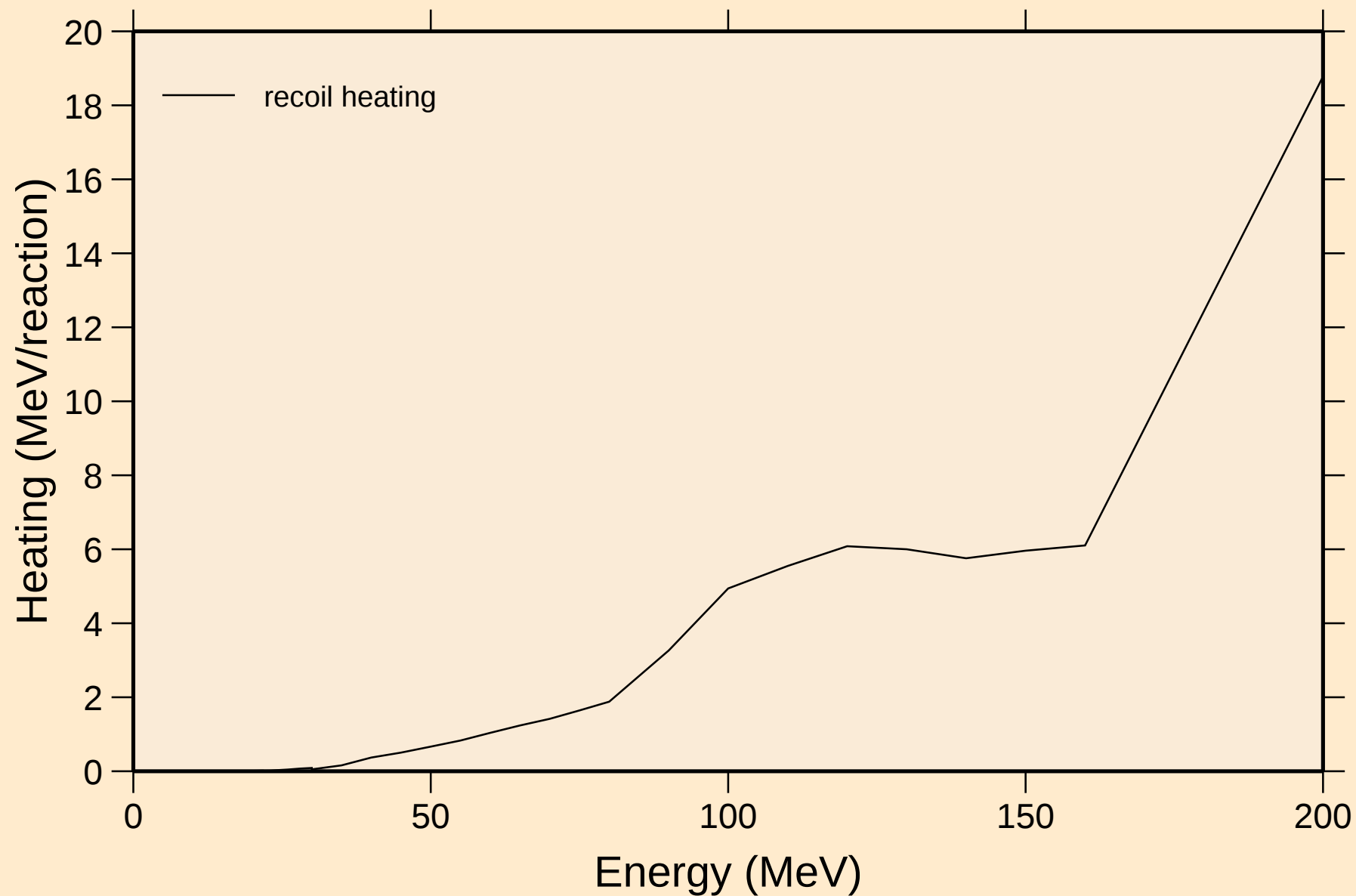


PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions



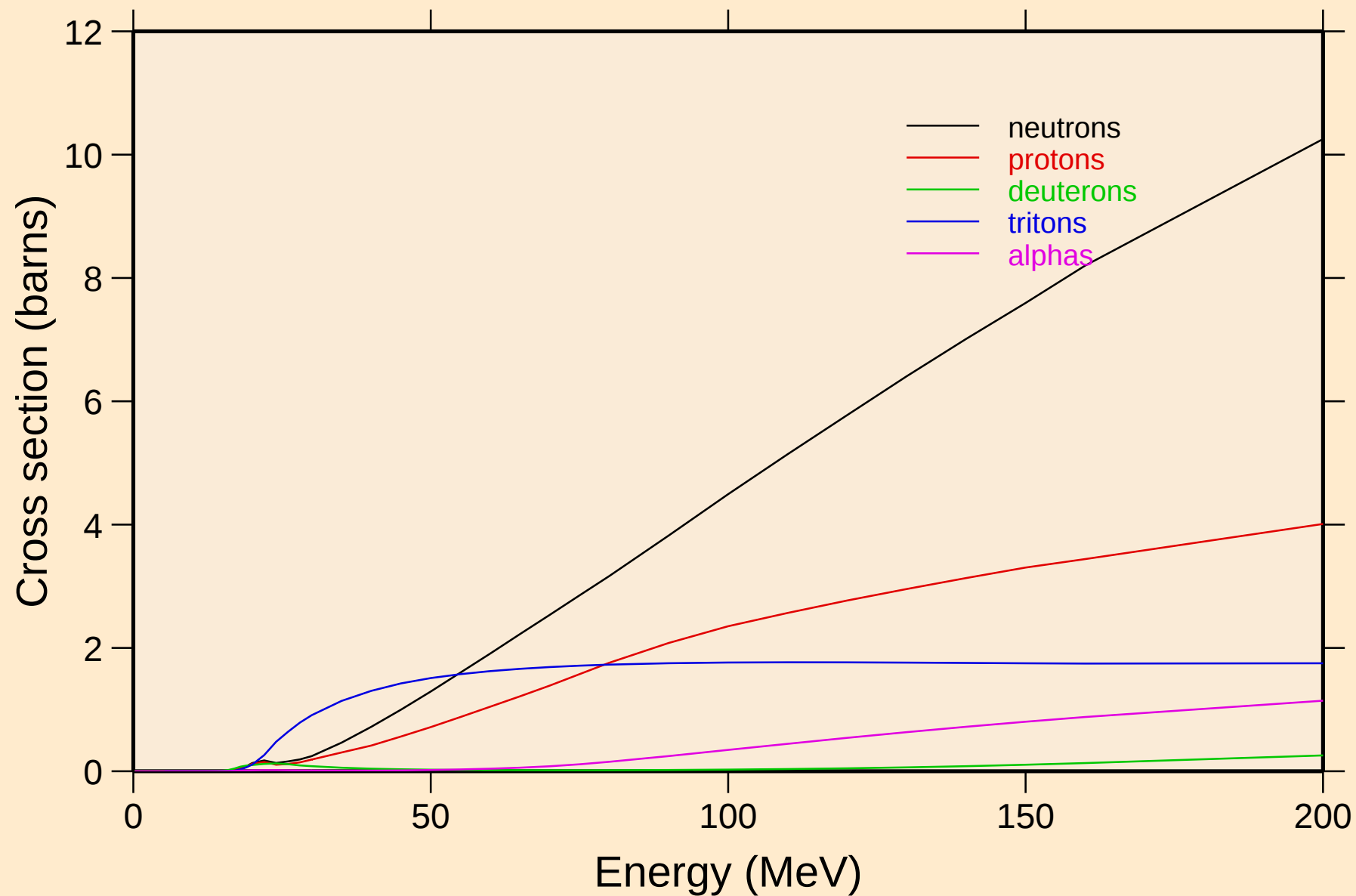
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Recoil Heating

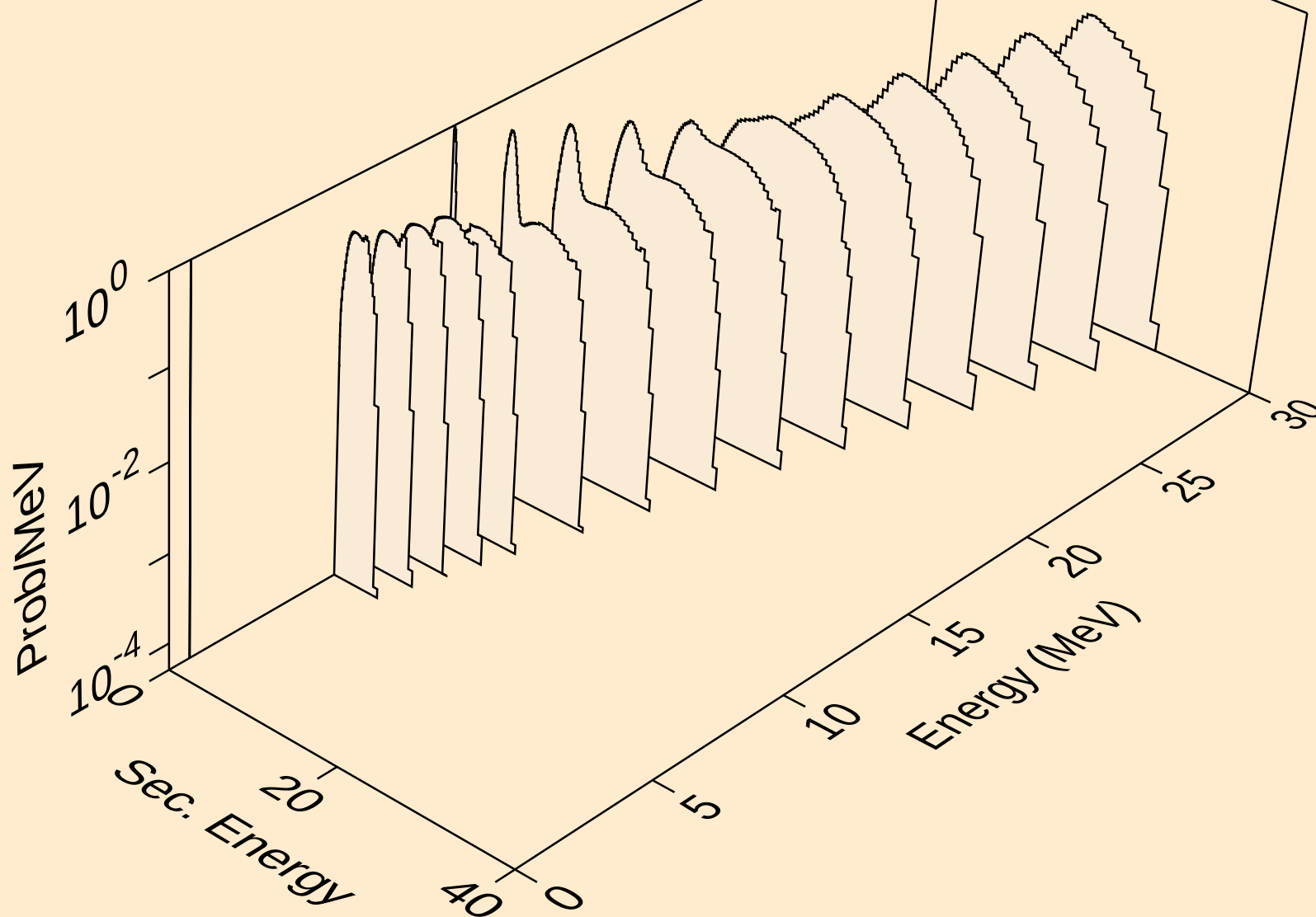


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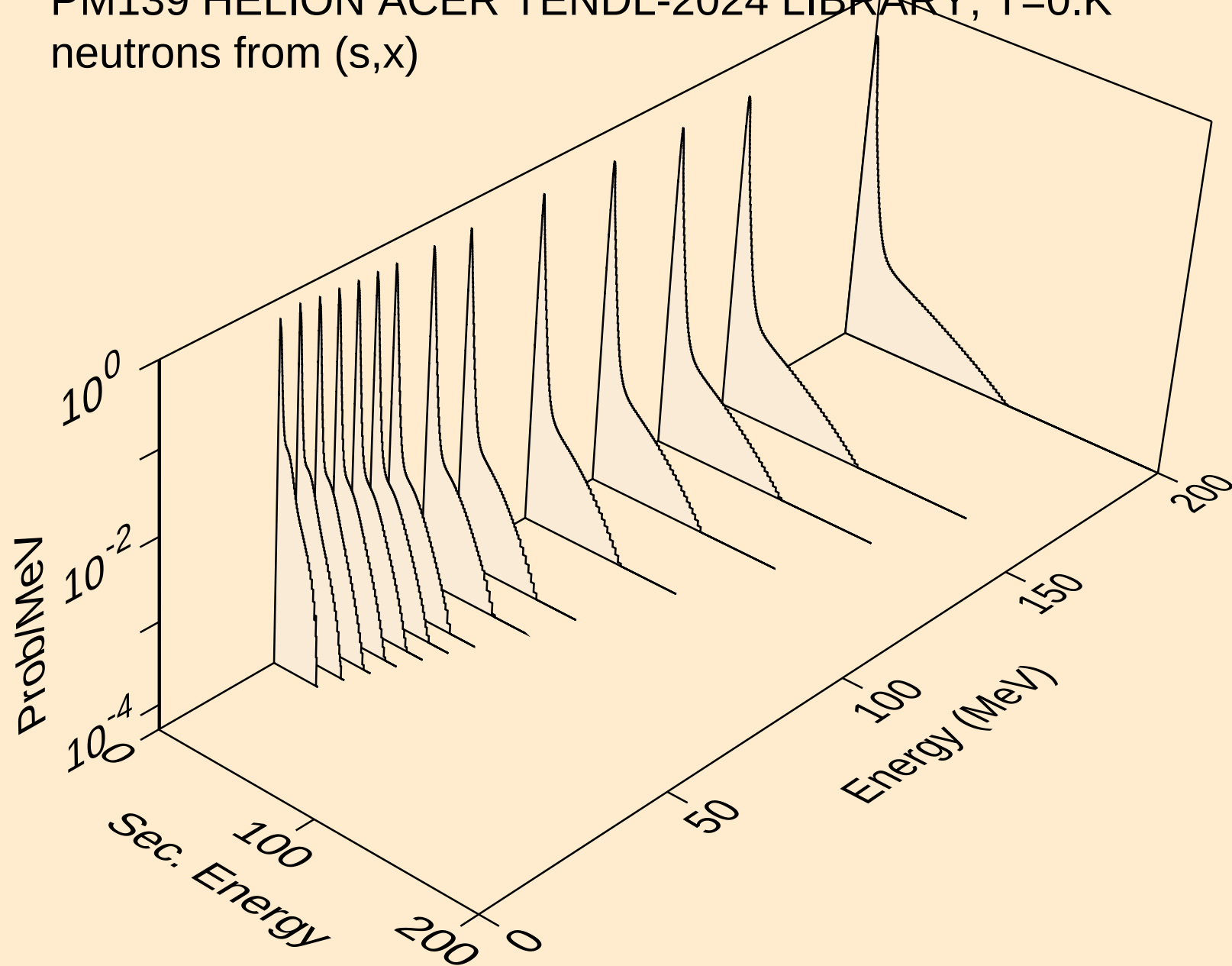
Particle production cross sections



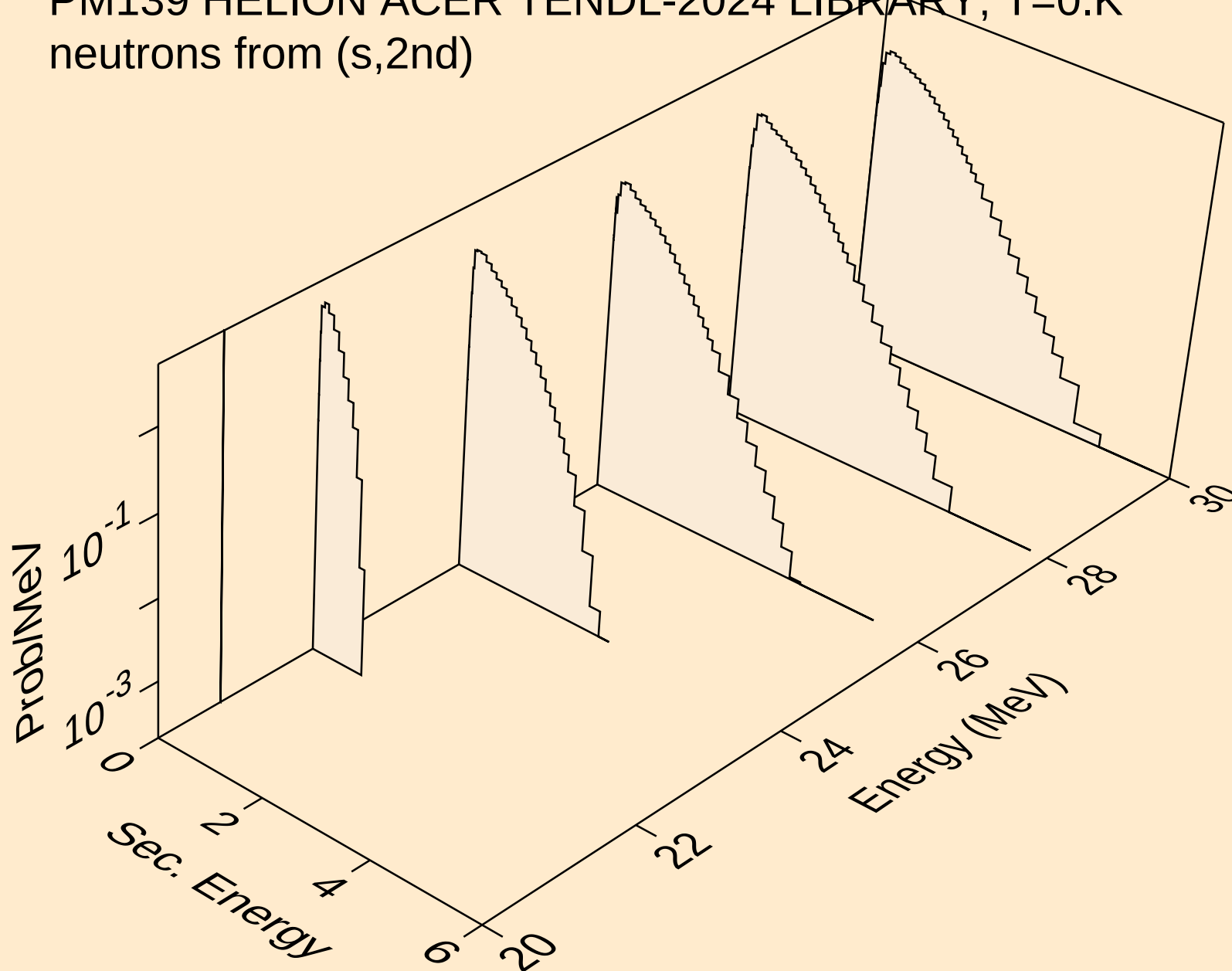
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n)



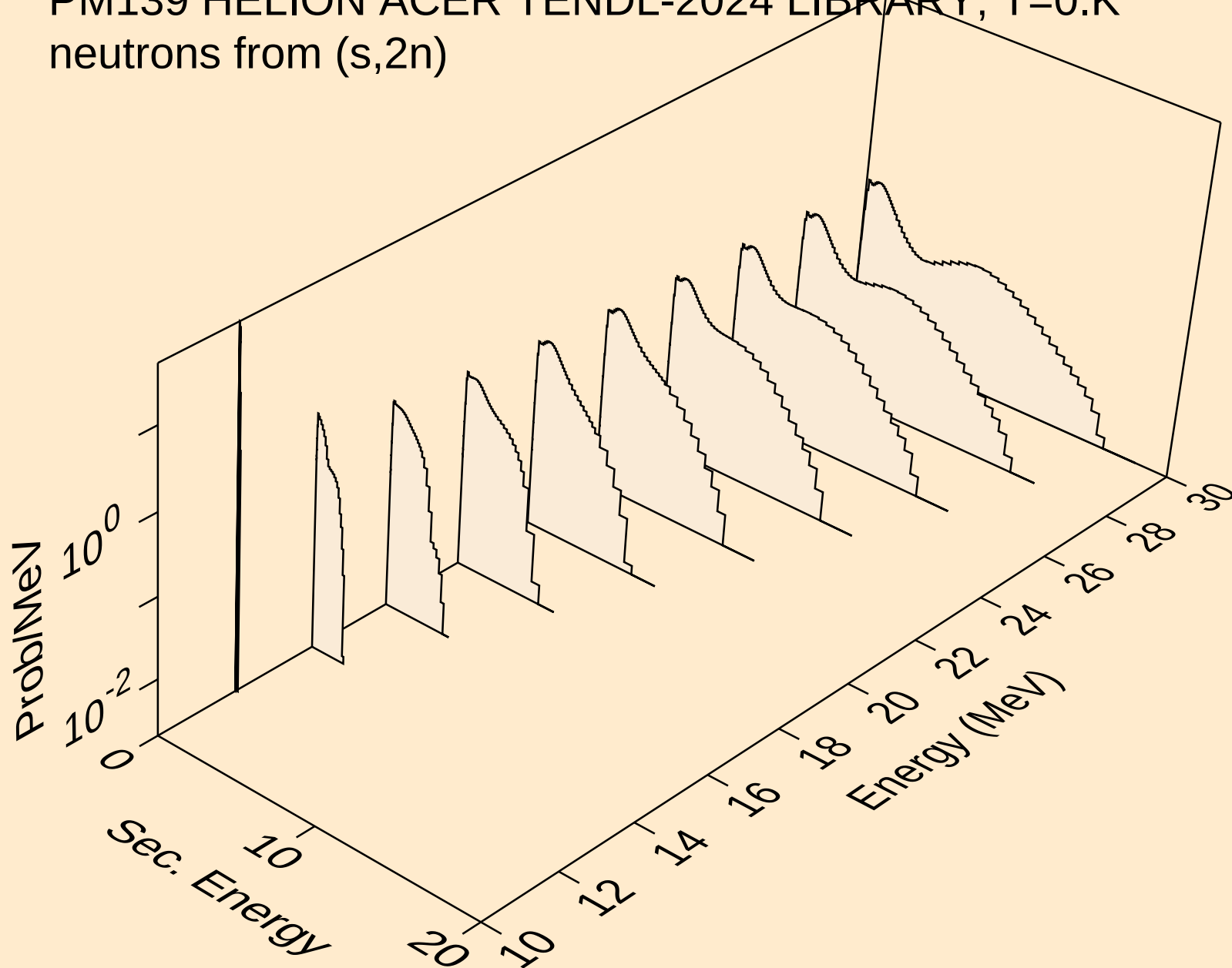
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,x)



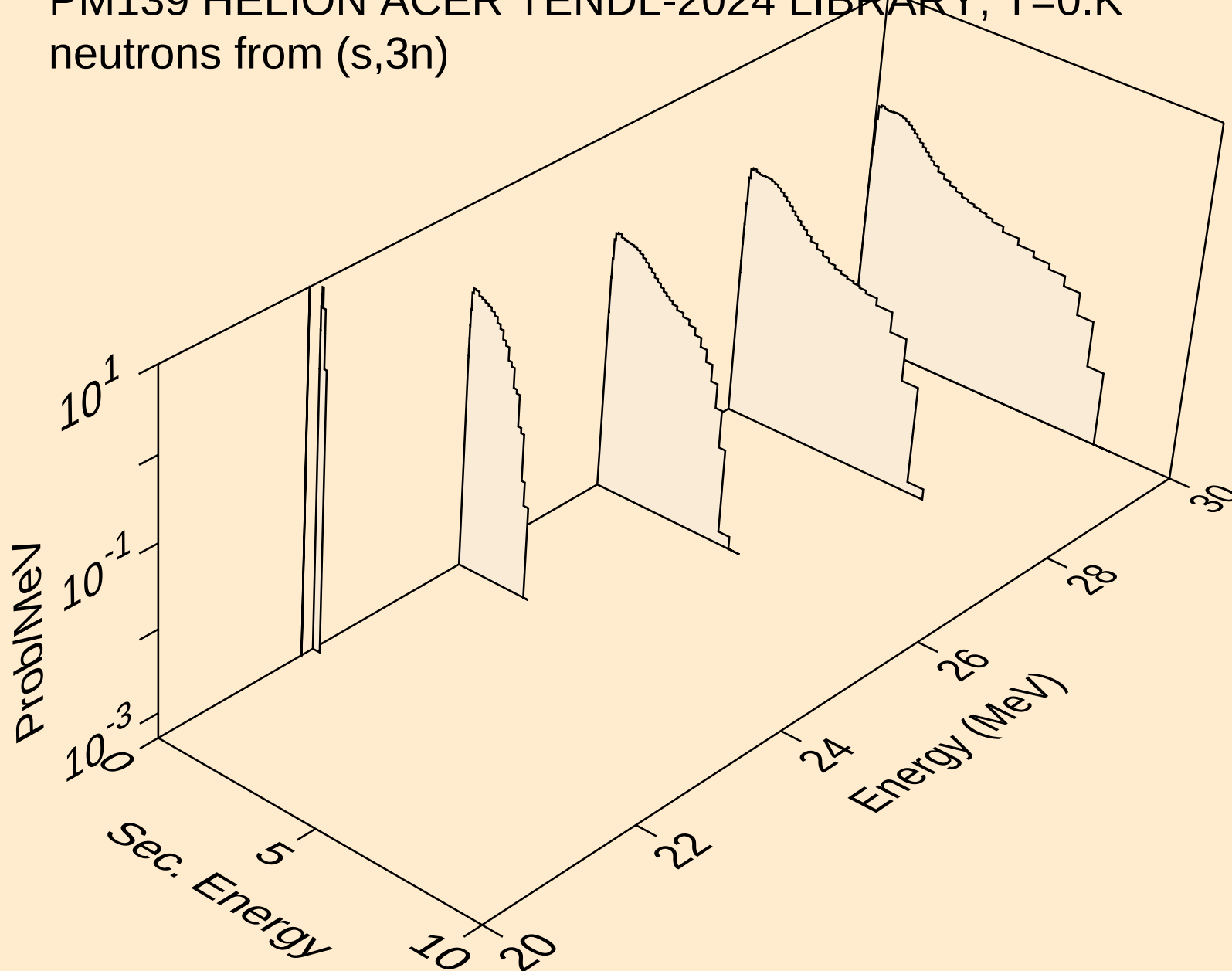
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,2nd)



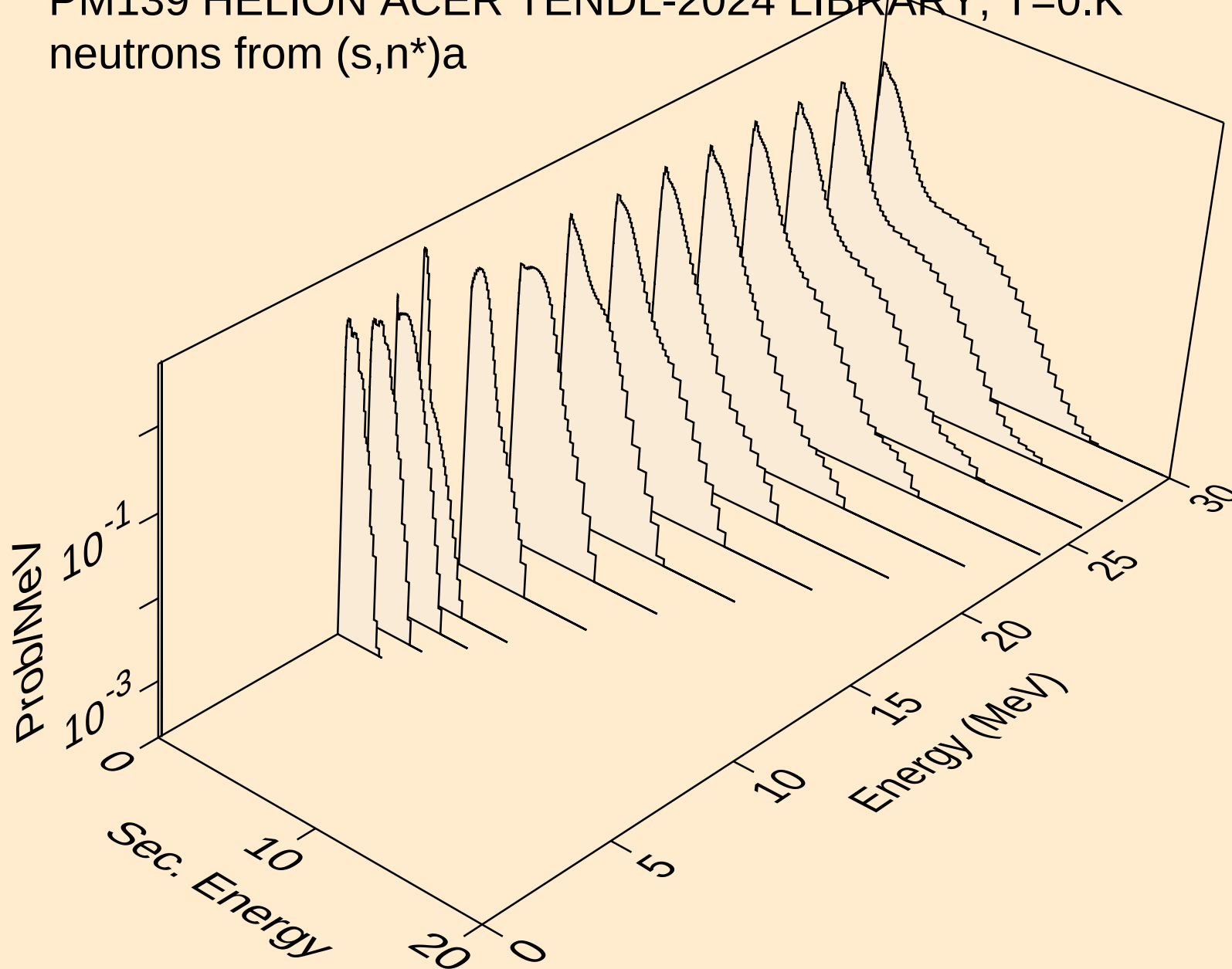
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neutrons from (s,2n)



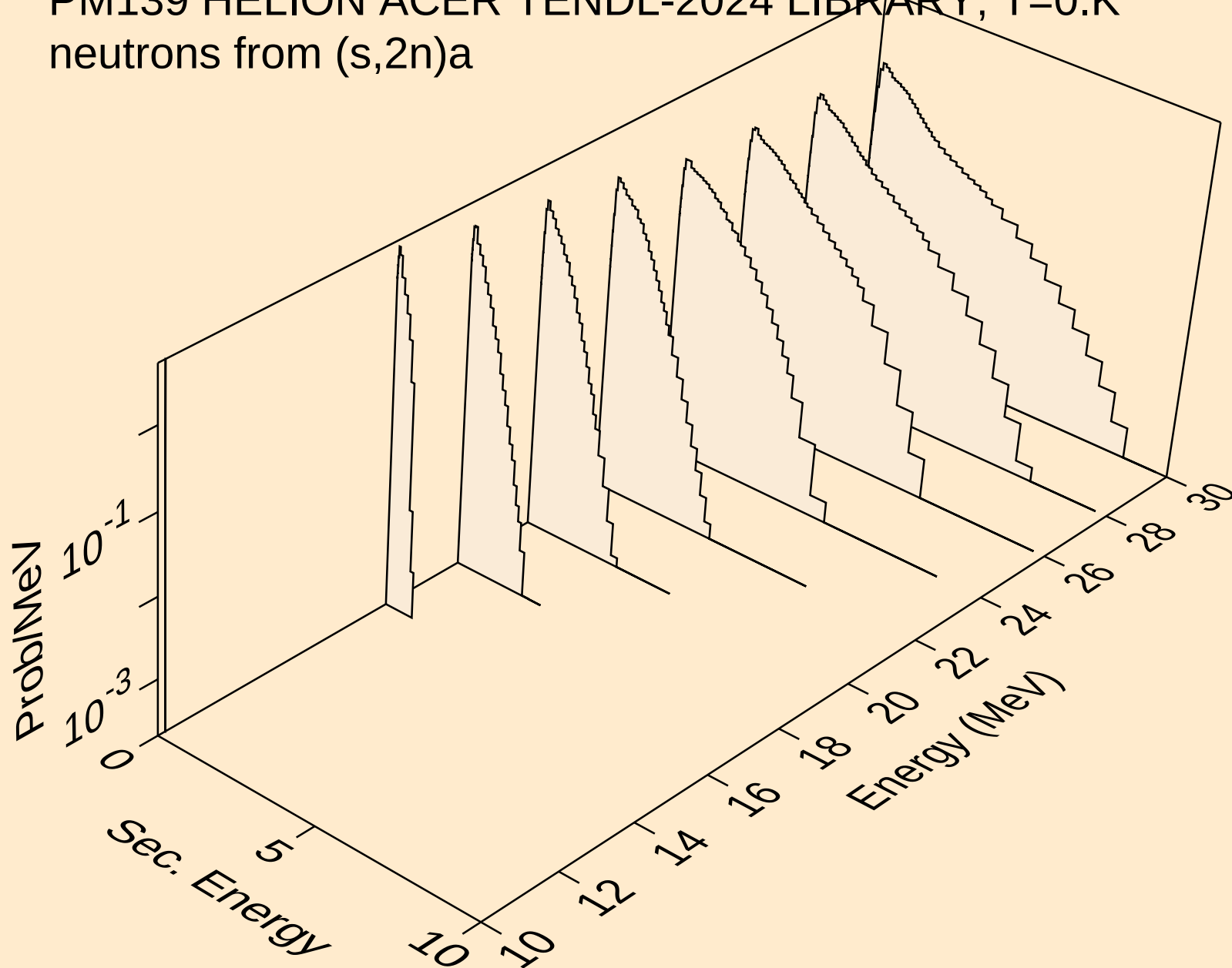
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,3n)



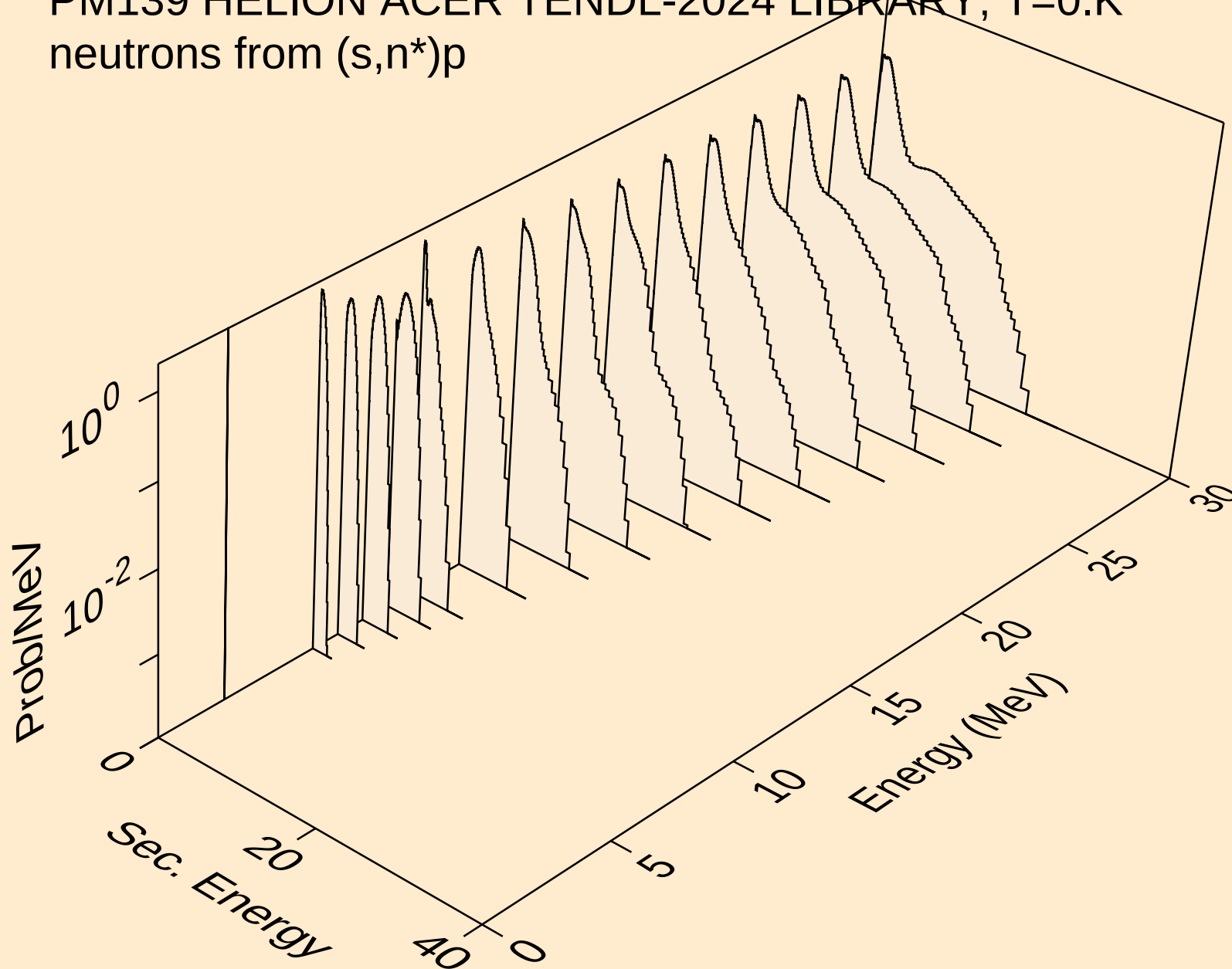
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)a



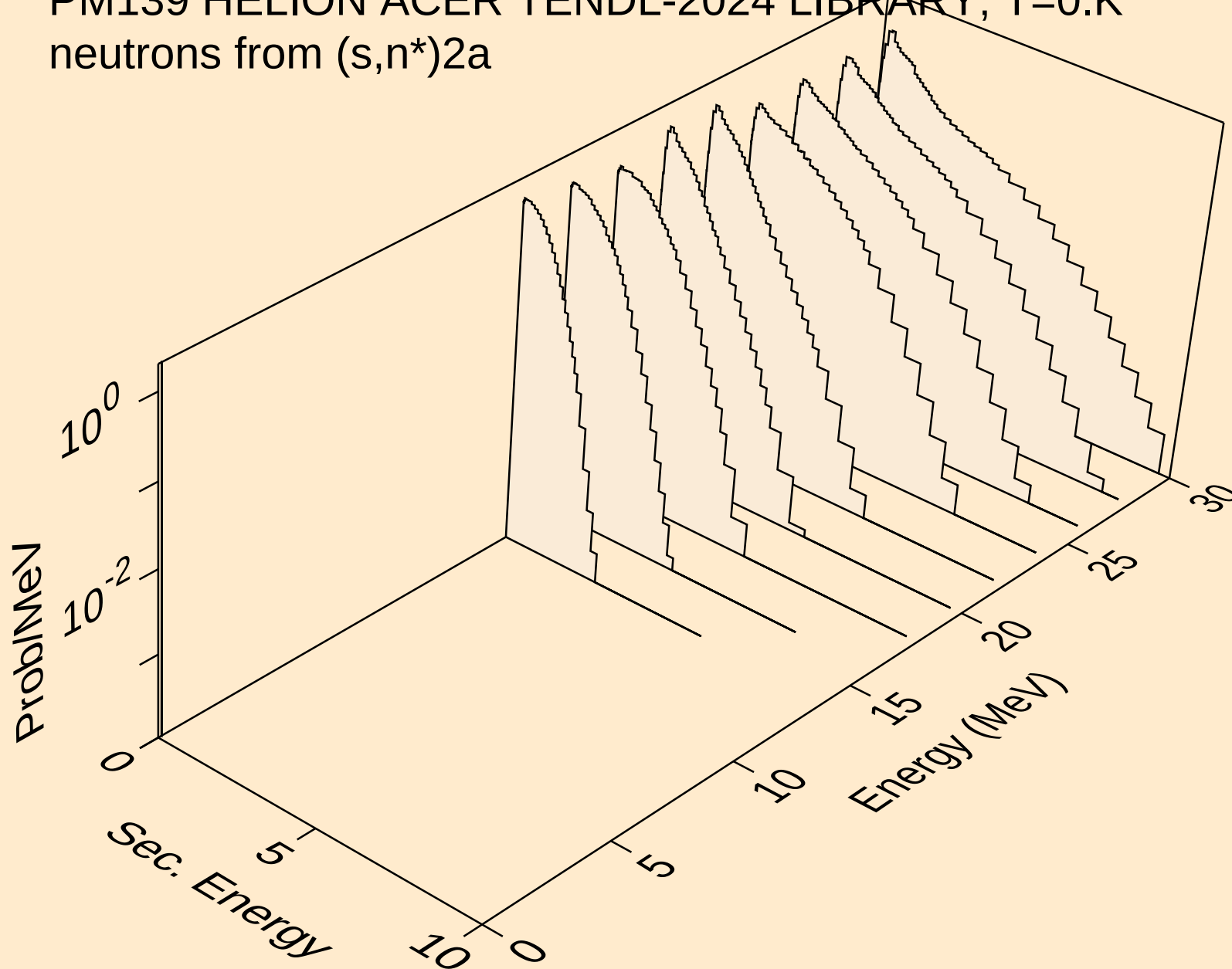
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,2n)a



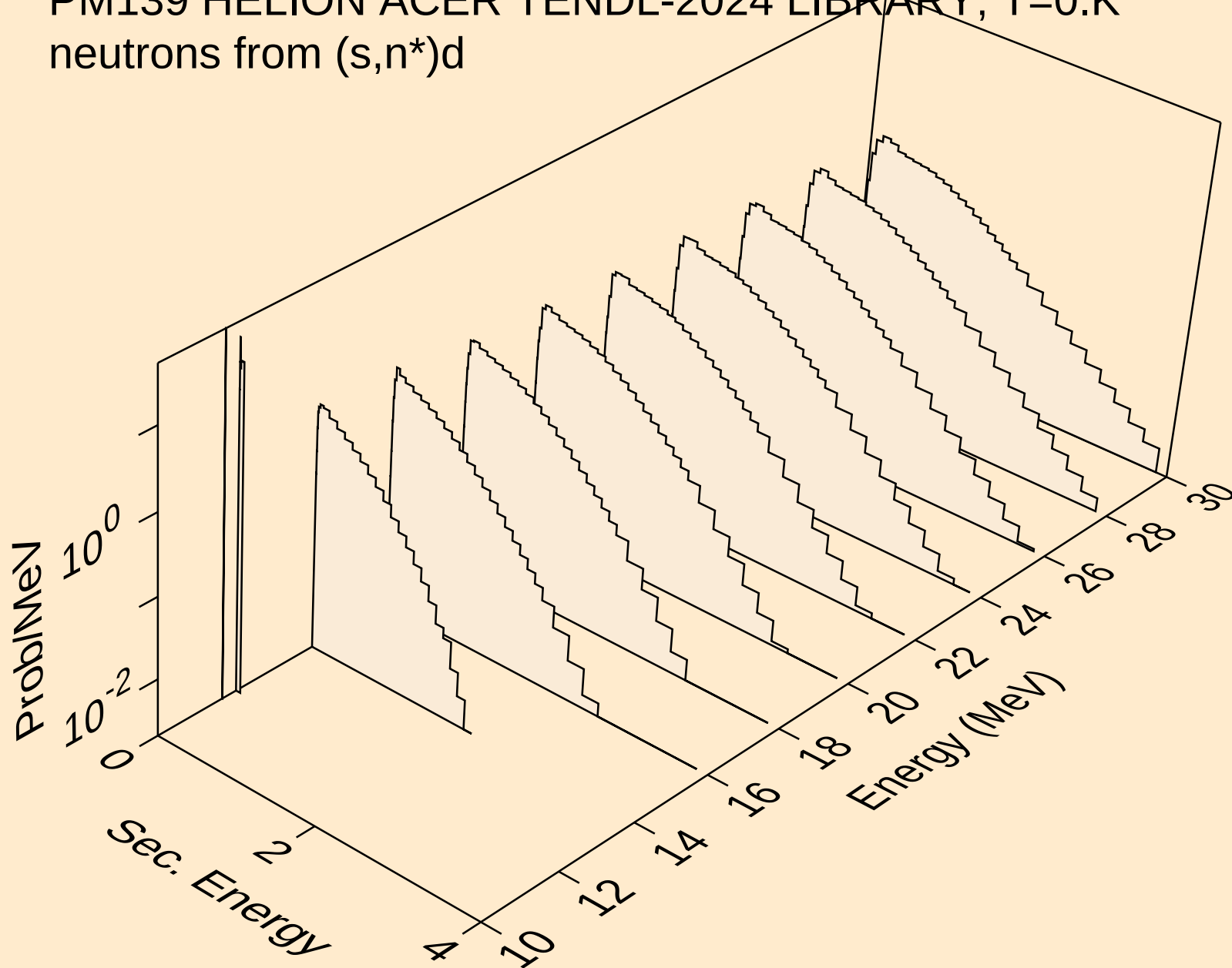
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)p



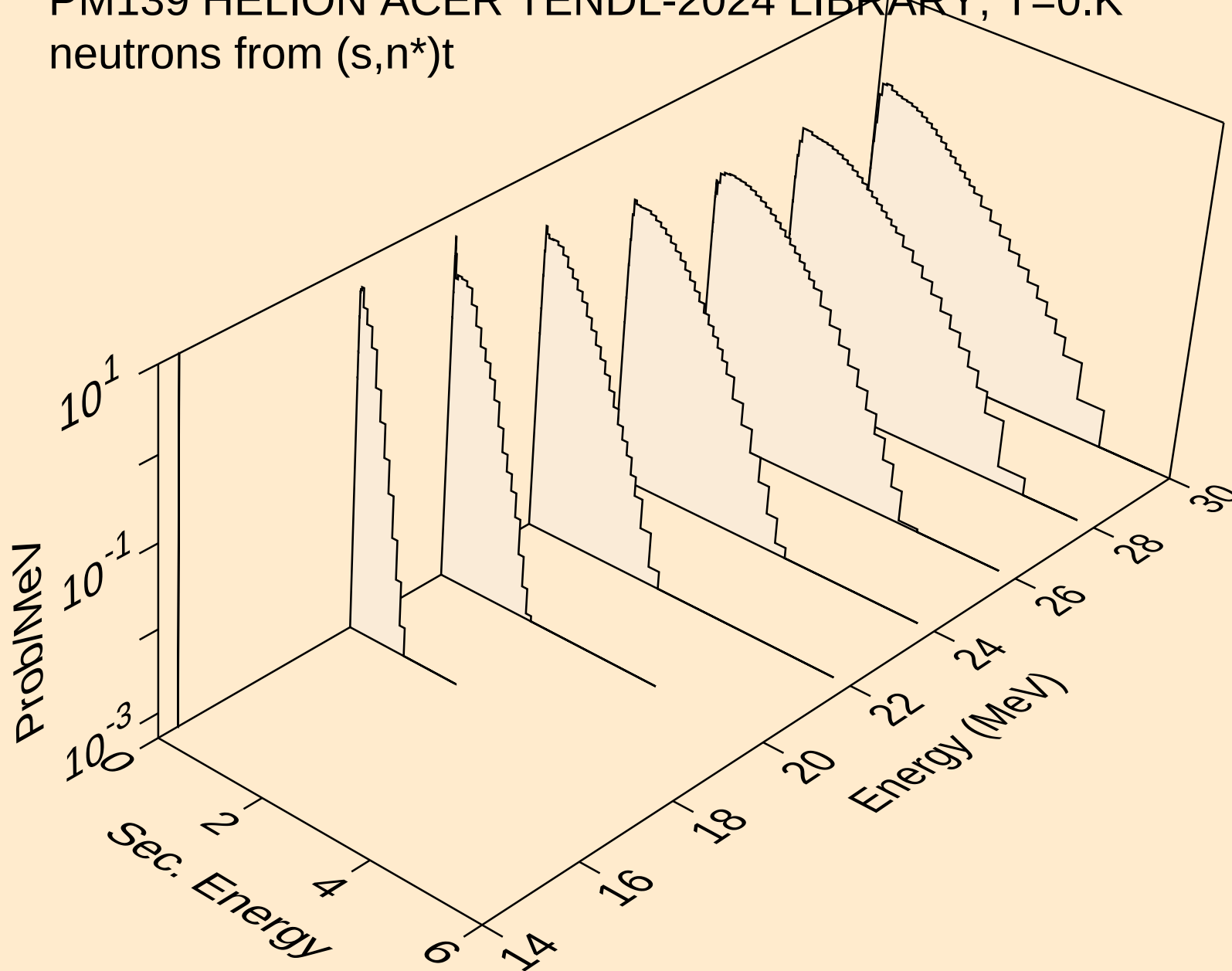
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)2a



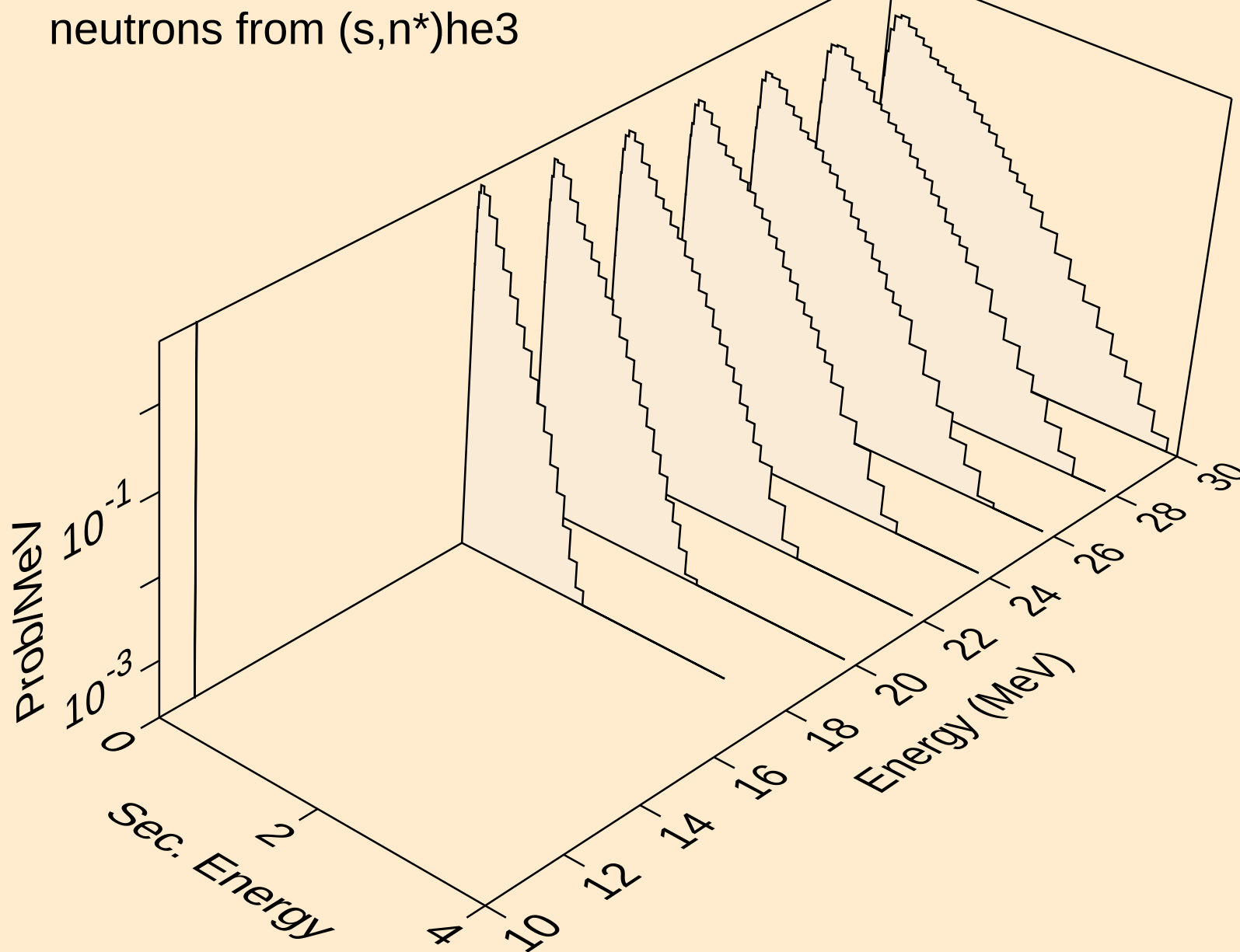
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)d



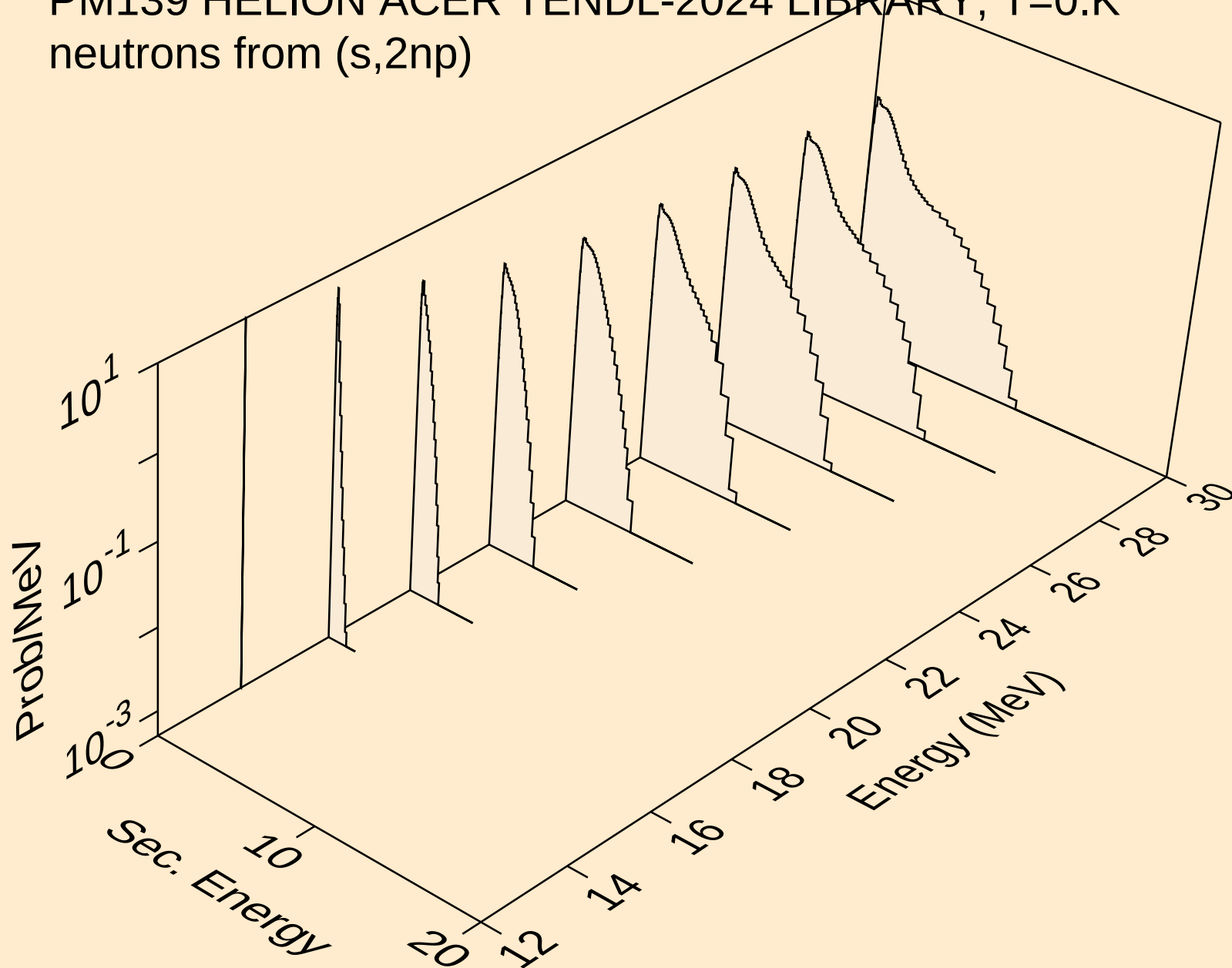
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)t



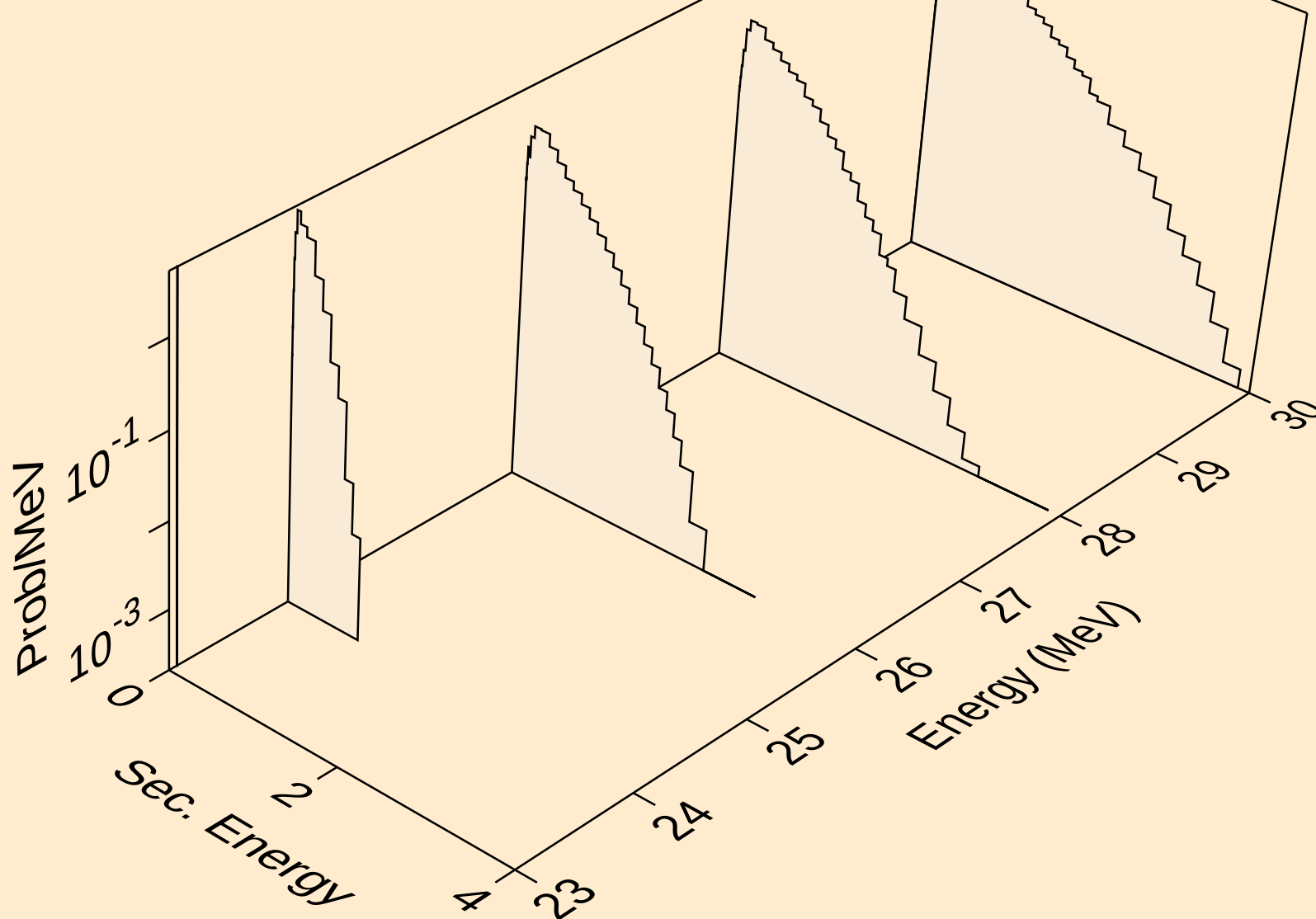
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)he3



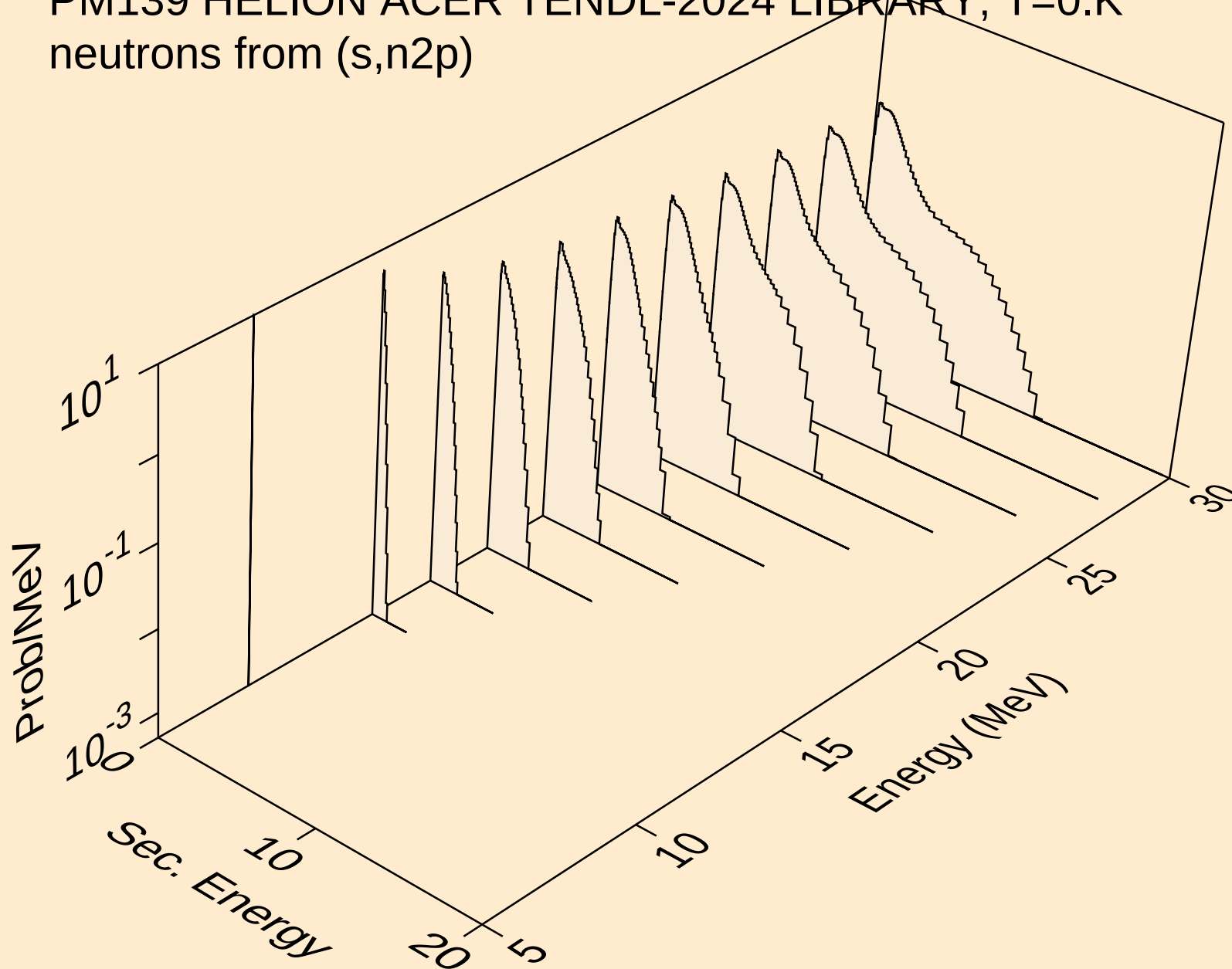
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neutrons from (s,2np)



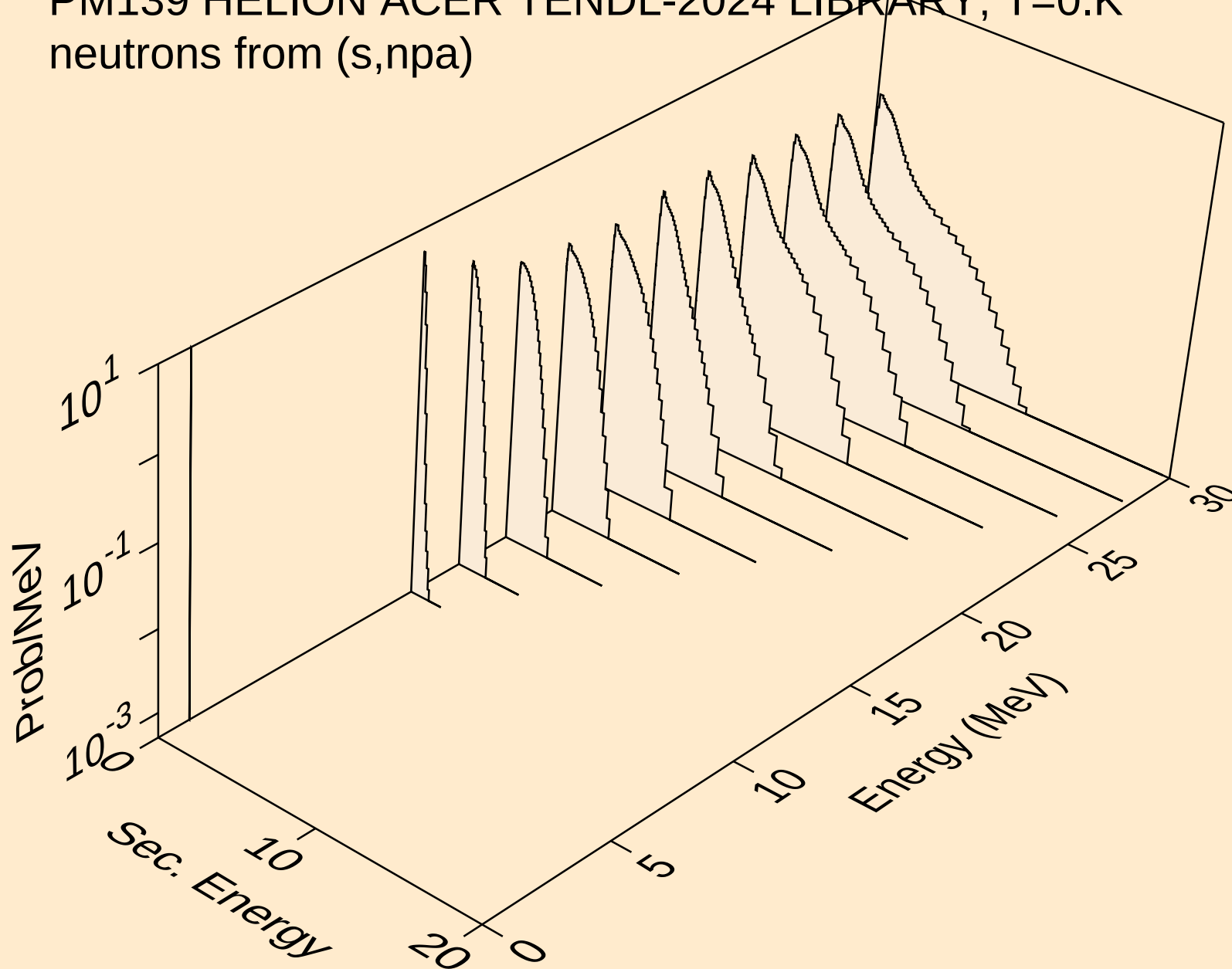
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,3np)



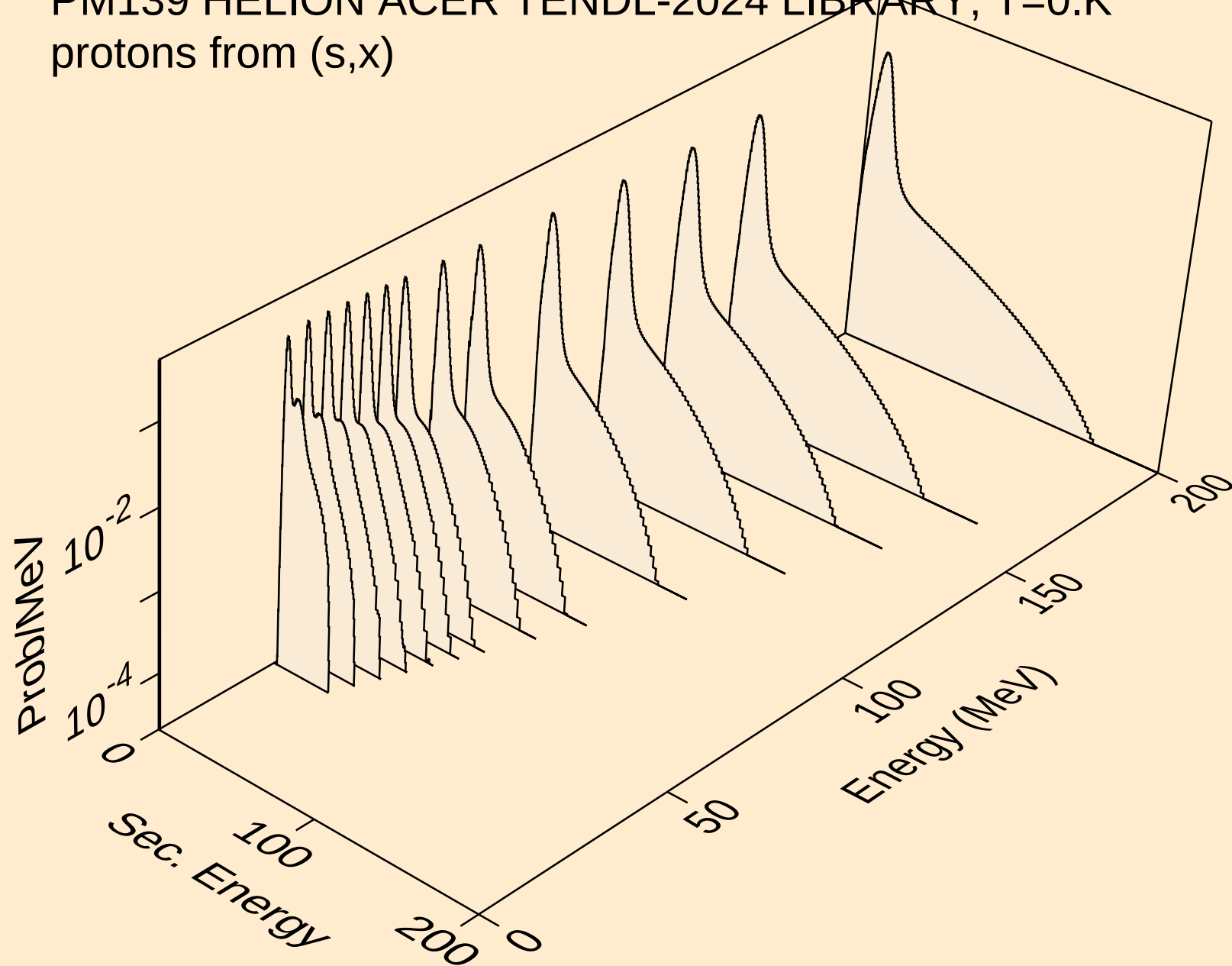
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neutrons from (s,n2p)



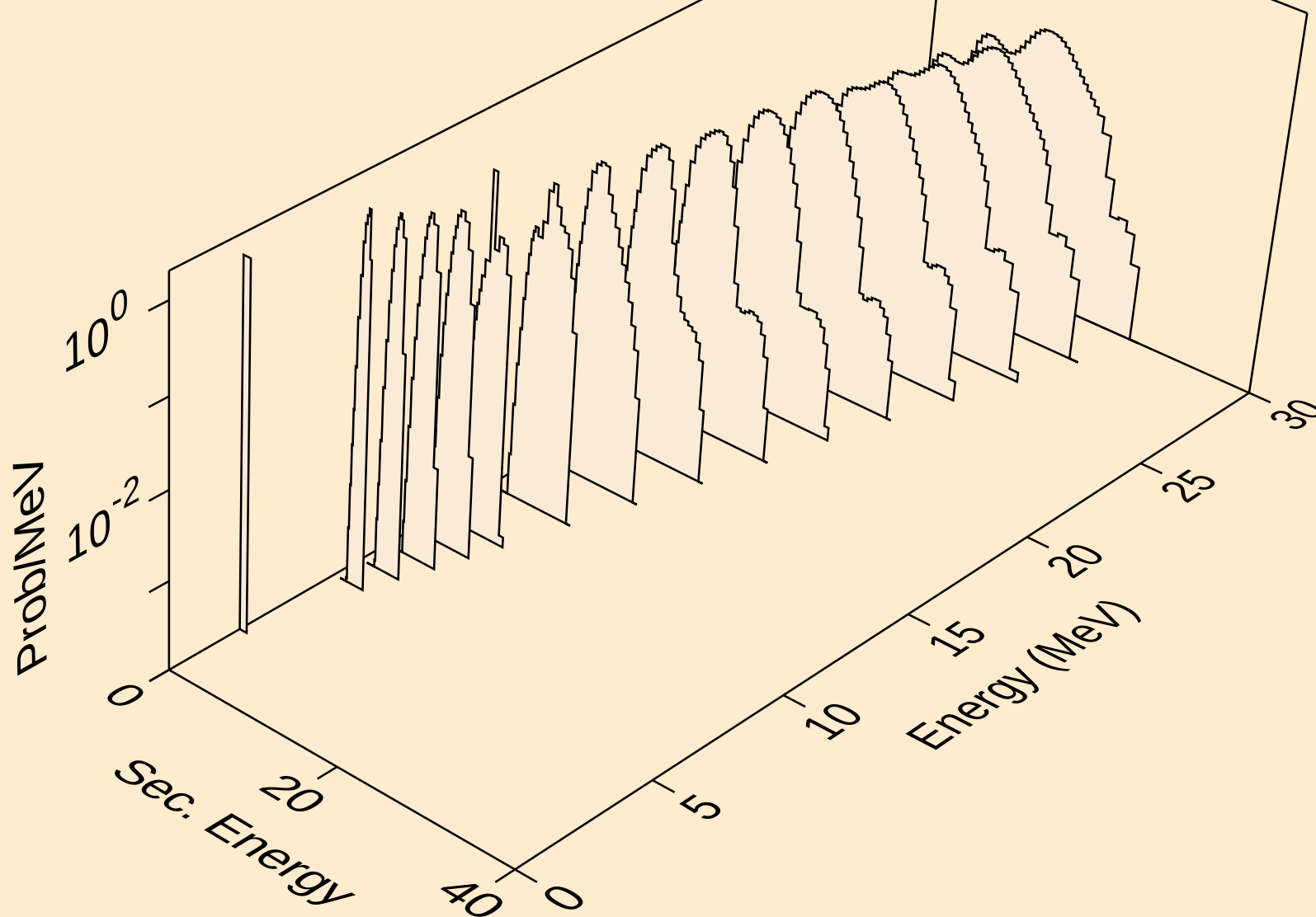
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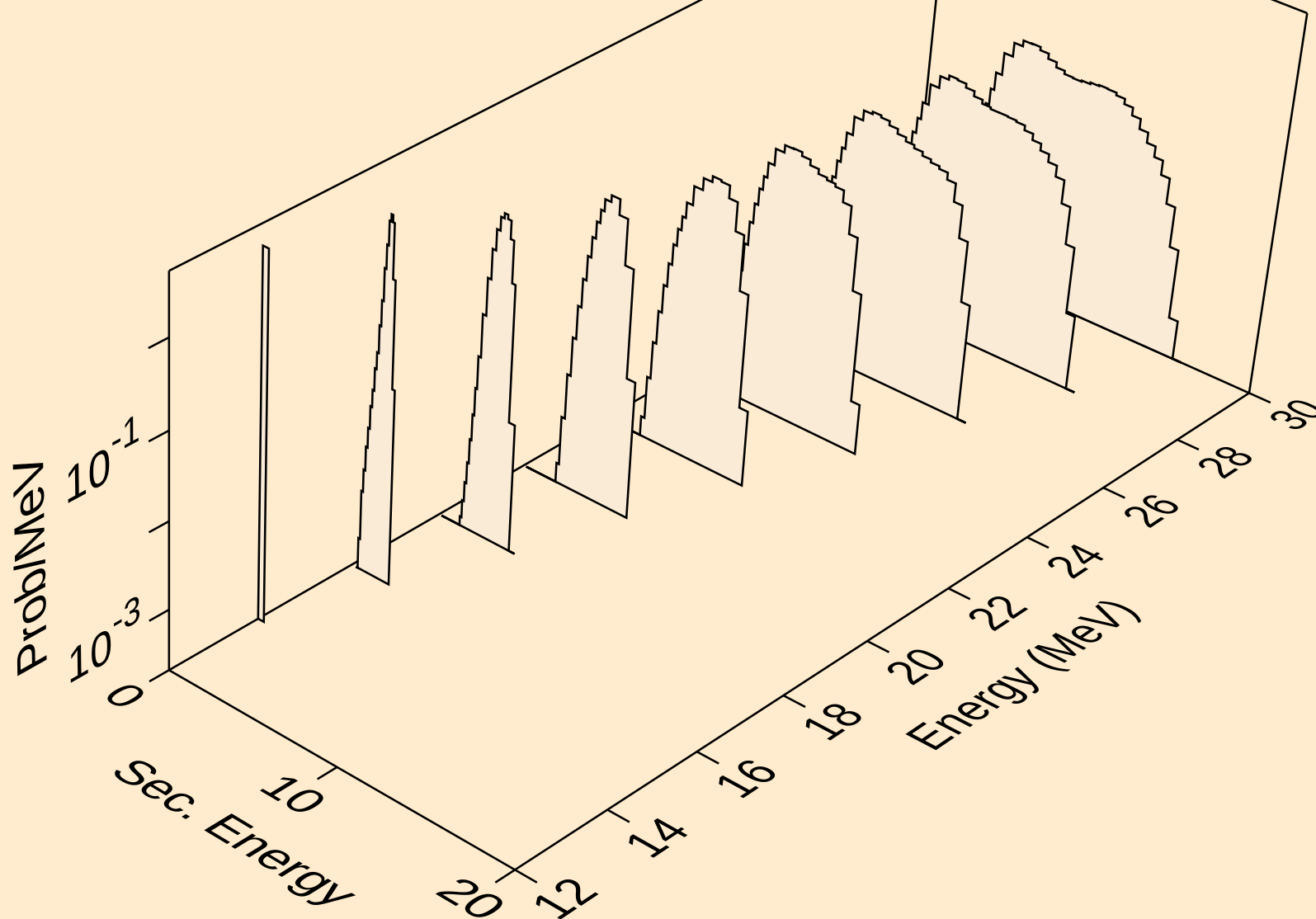
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protons from (s,x)



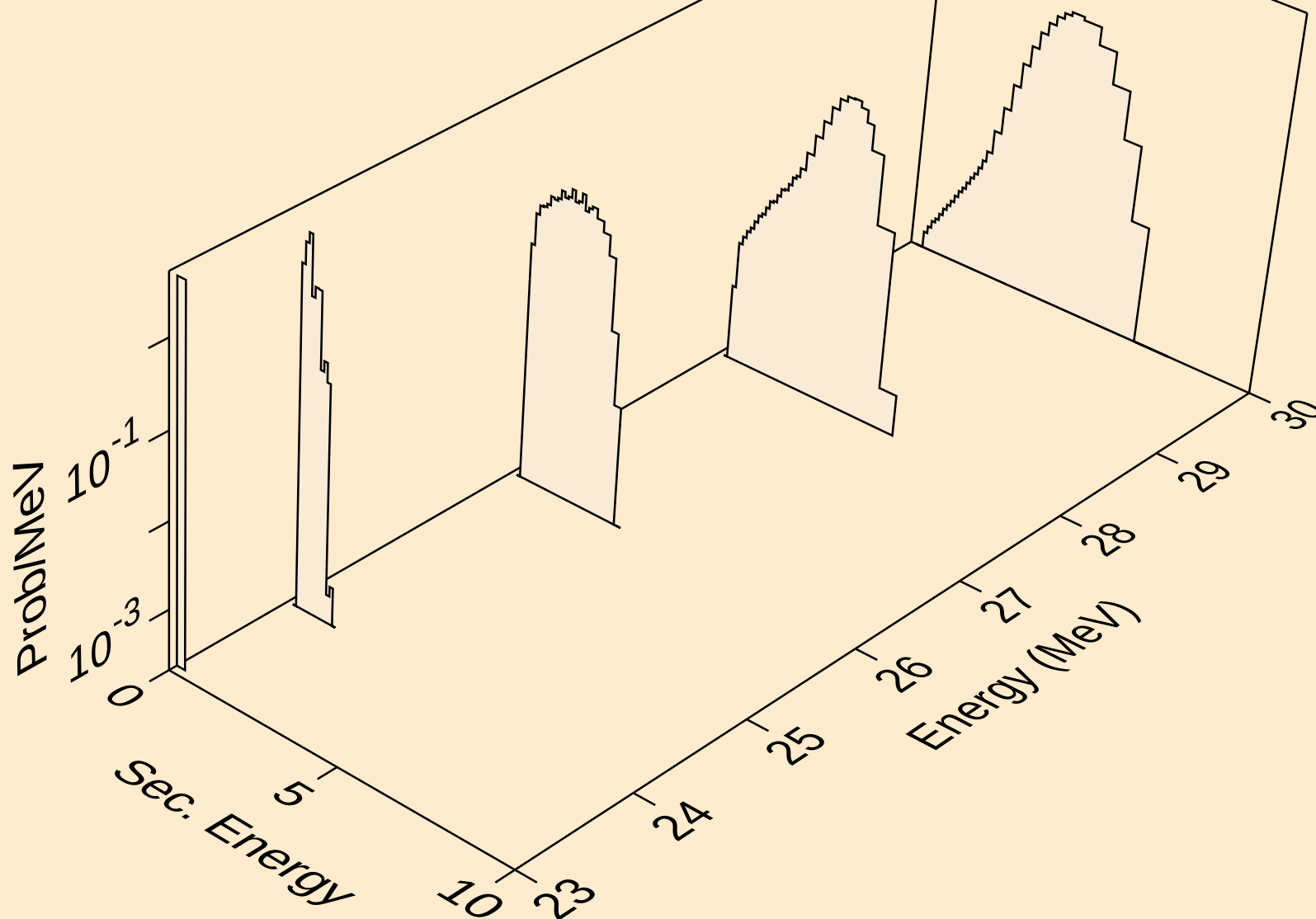
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protons from (s,n*)p



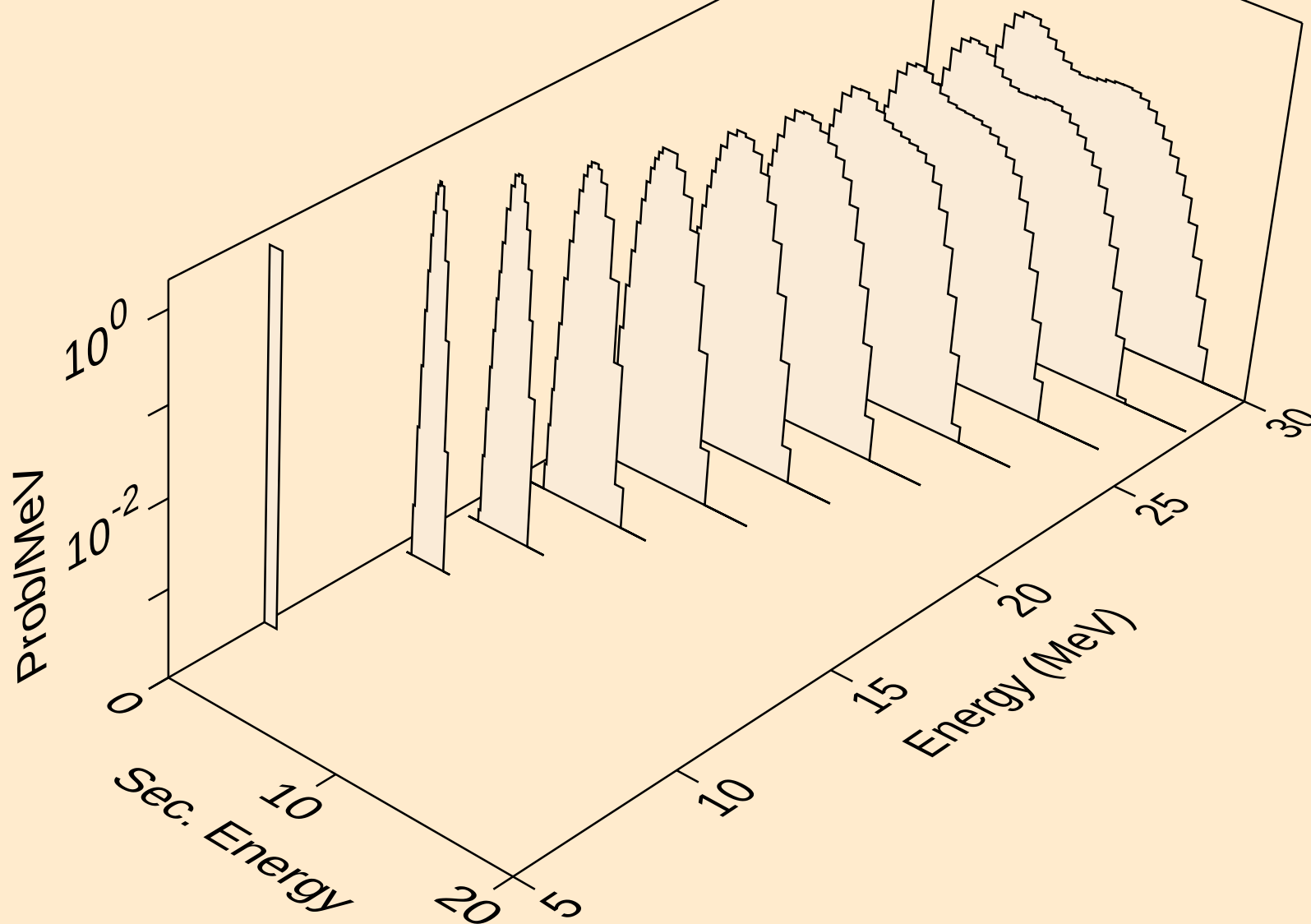
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protons from (s,2np)



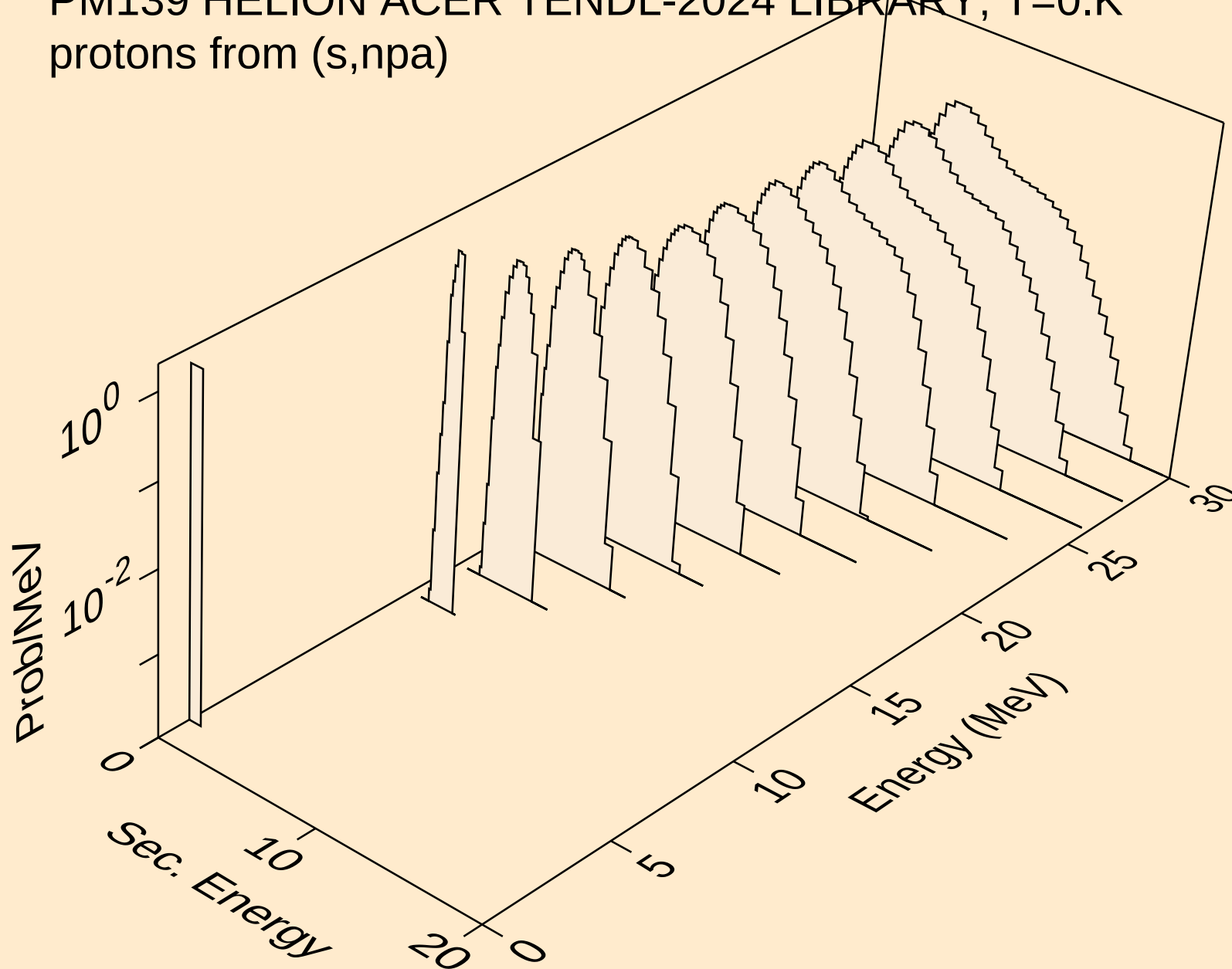
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protons from (s,3np)



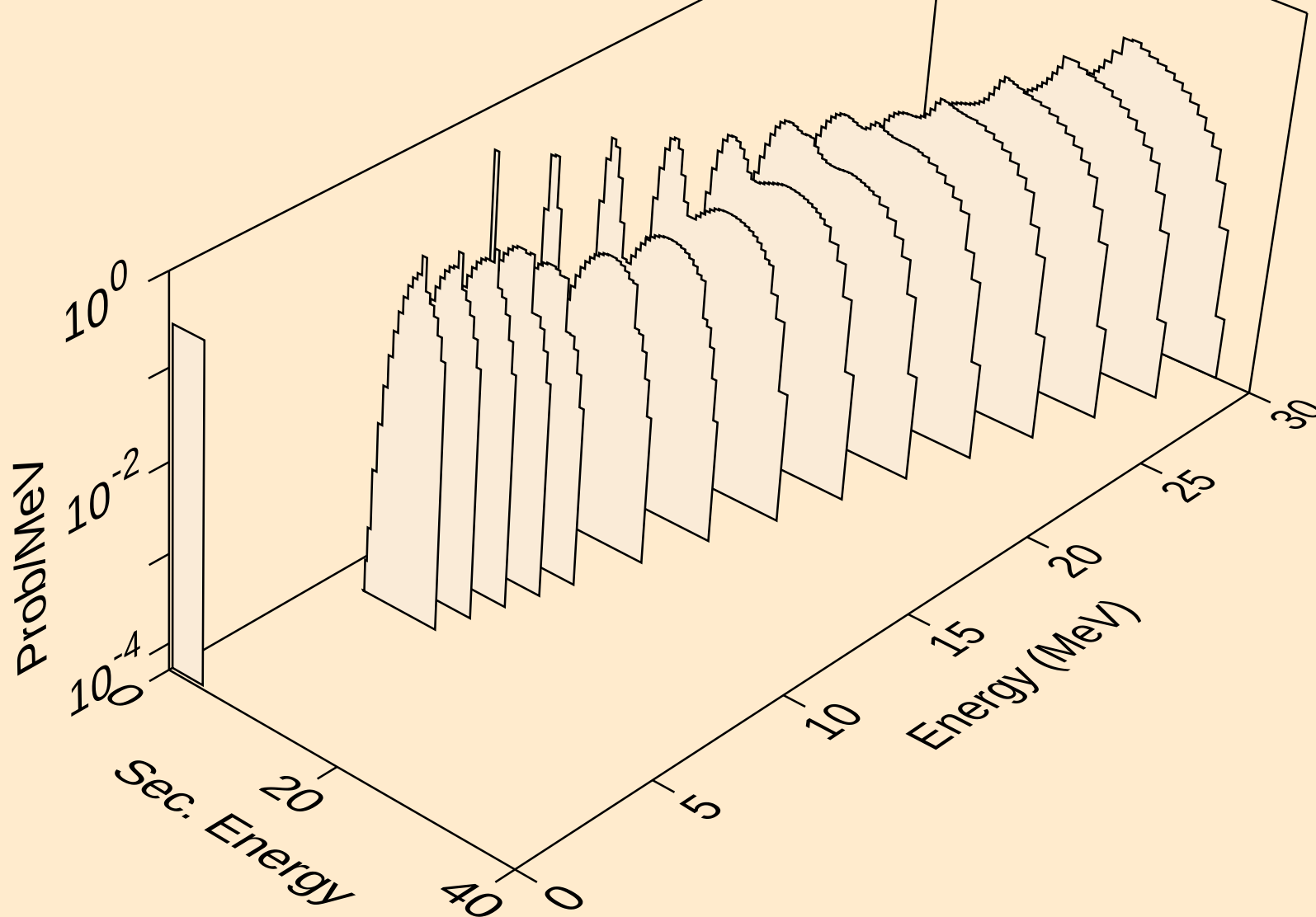
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
protons from (s,n2p)



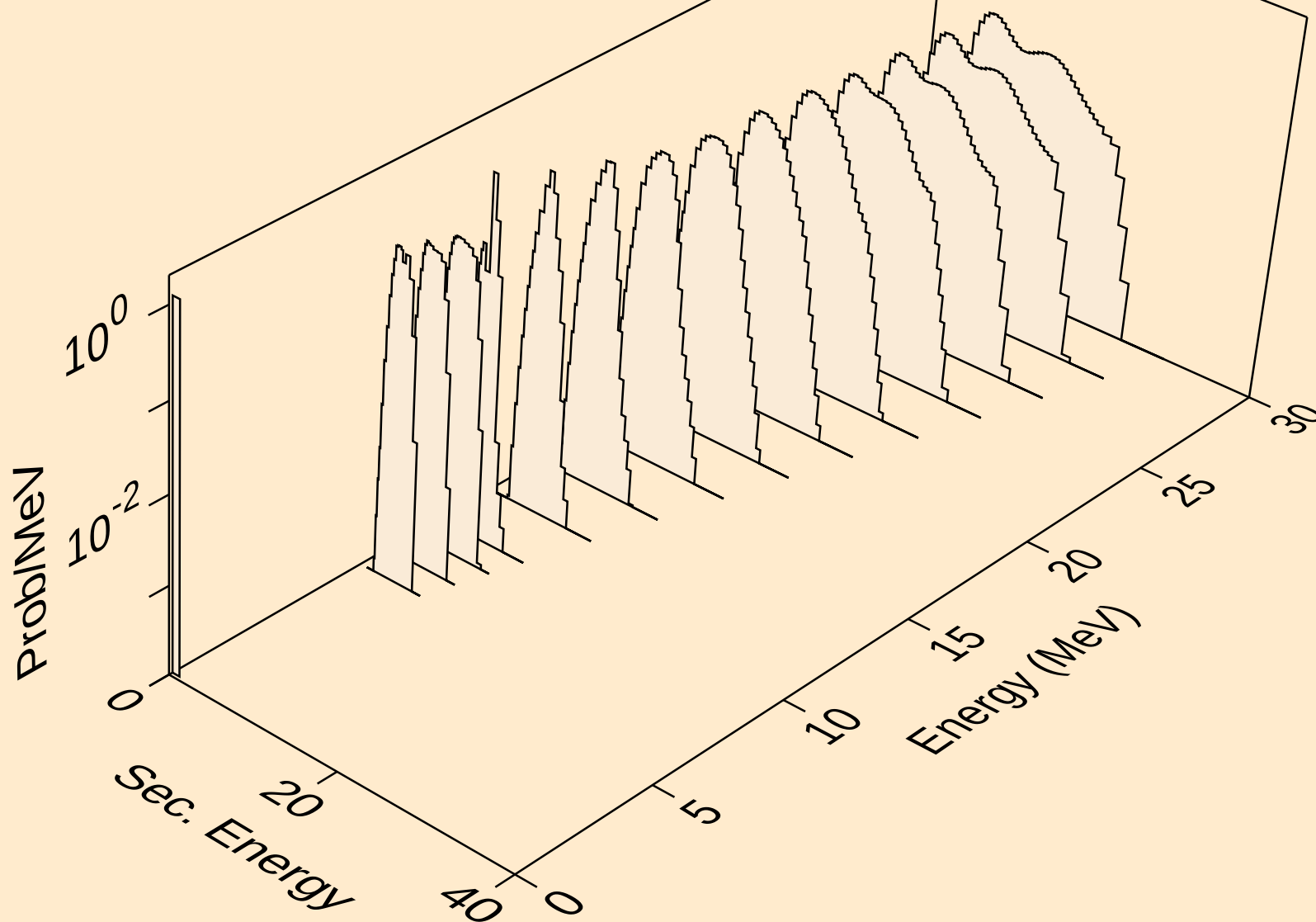
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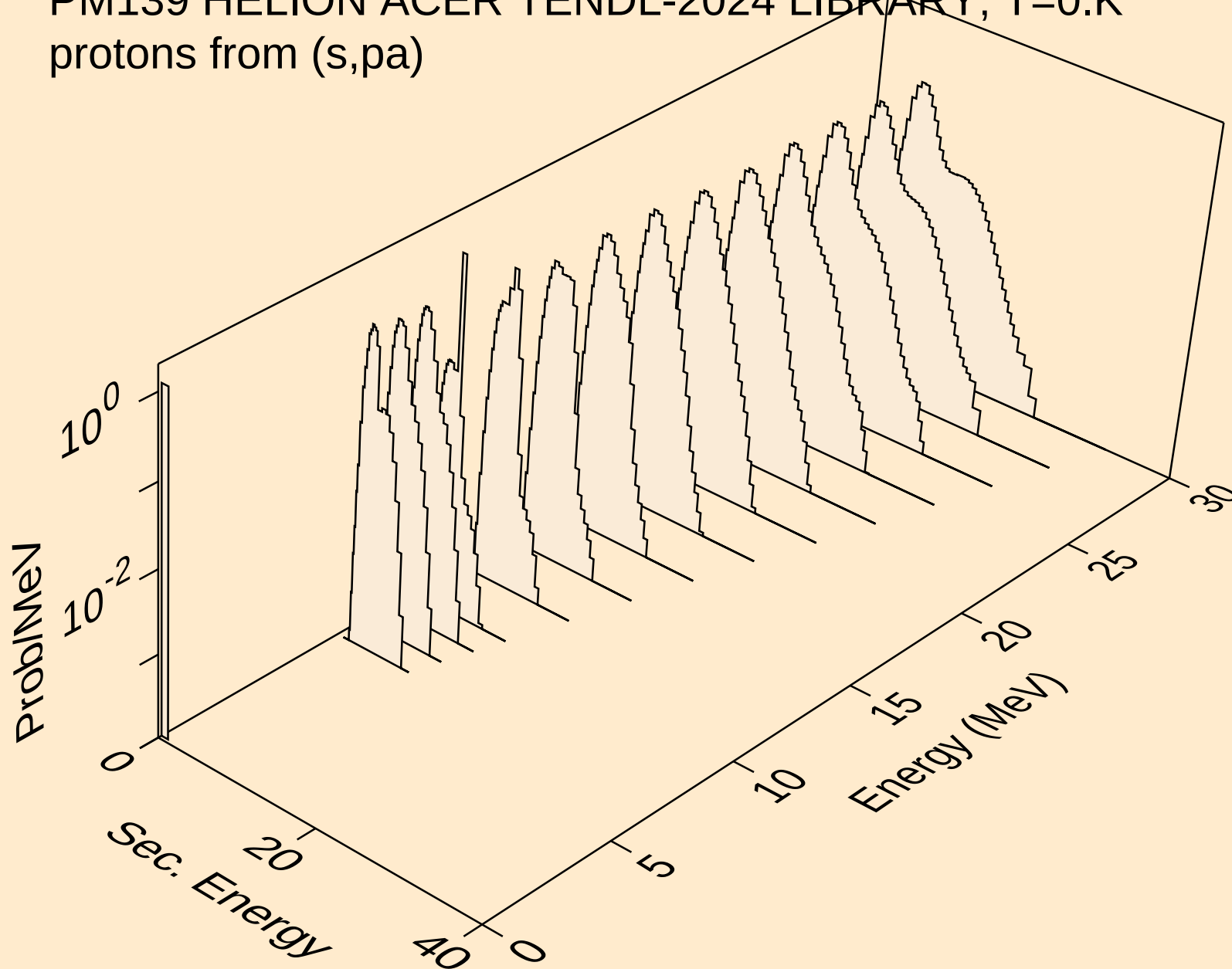
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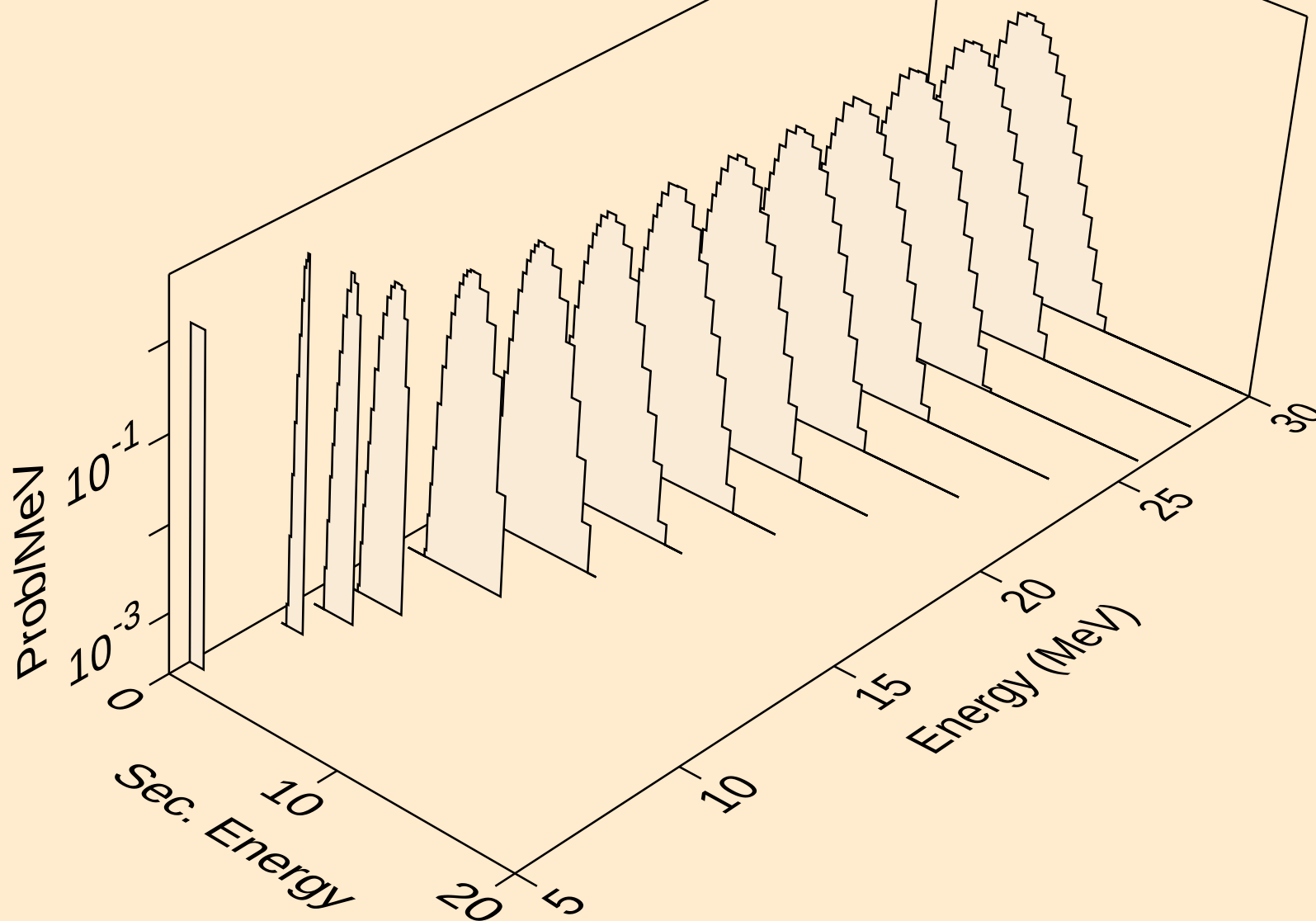
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protons from (s,2p)



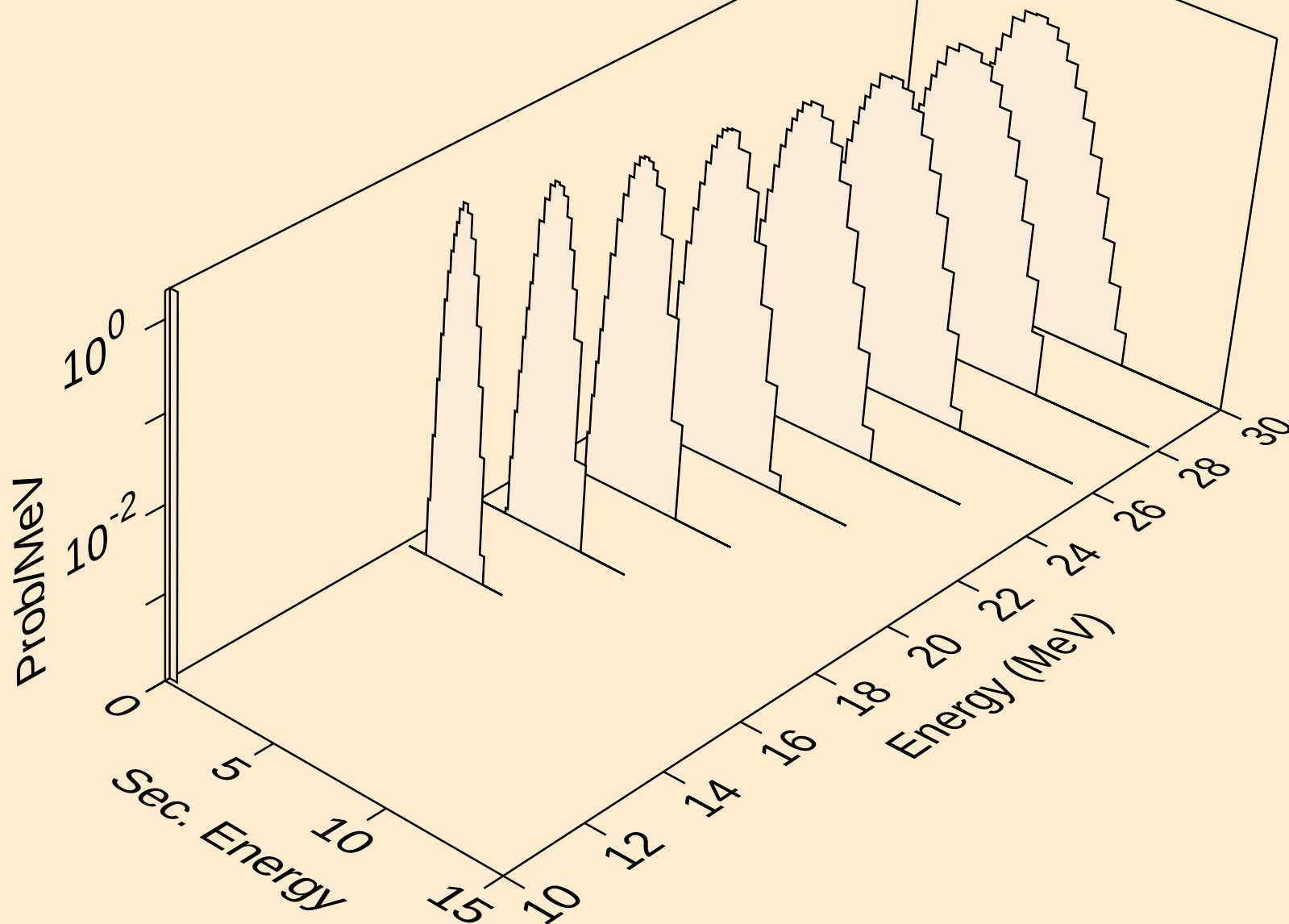
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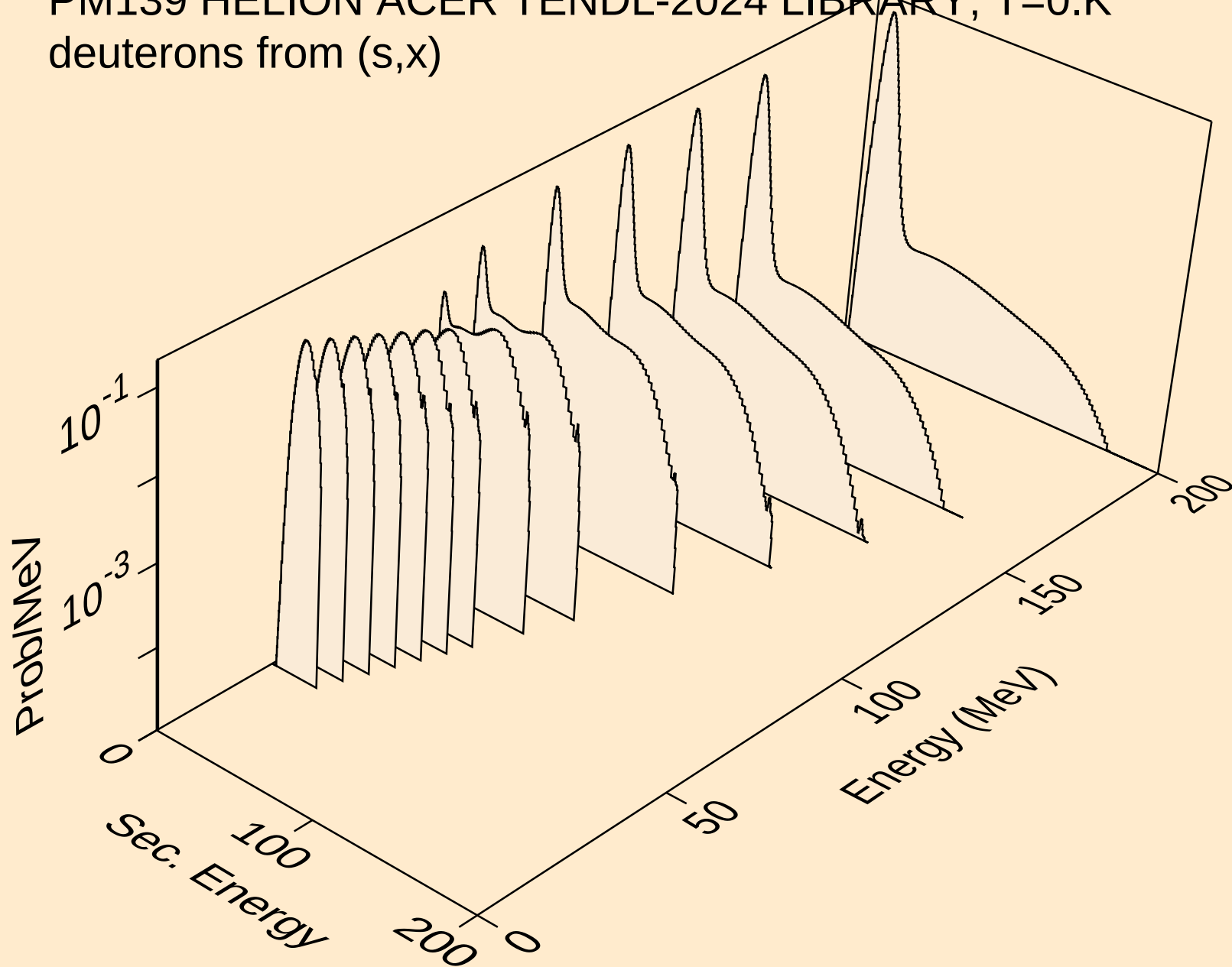
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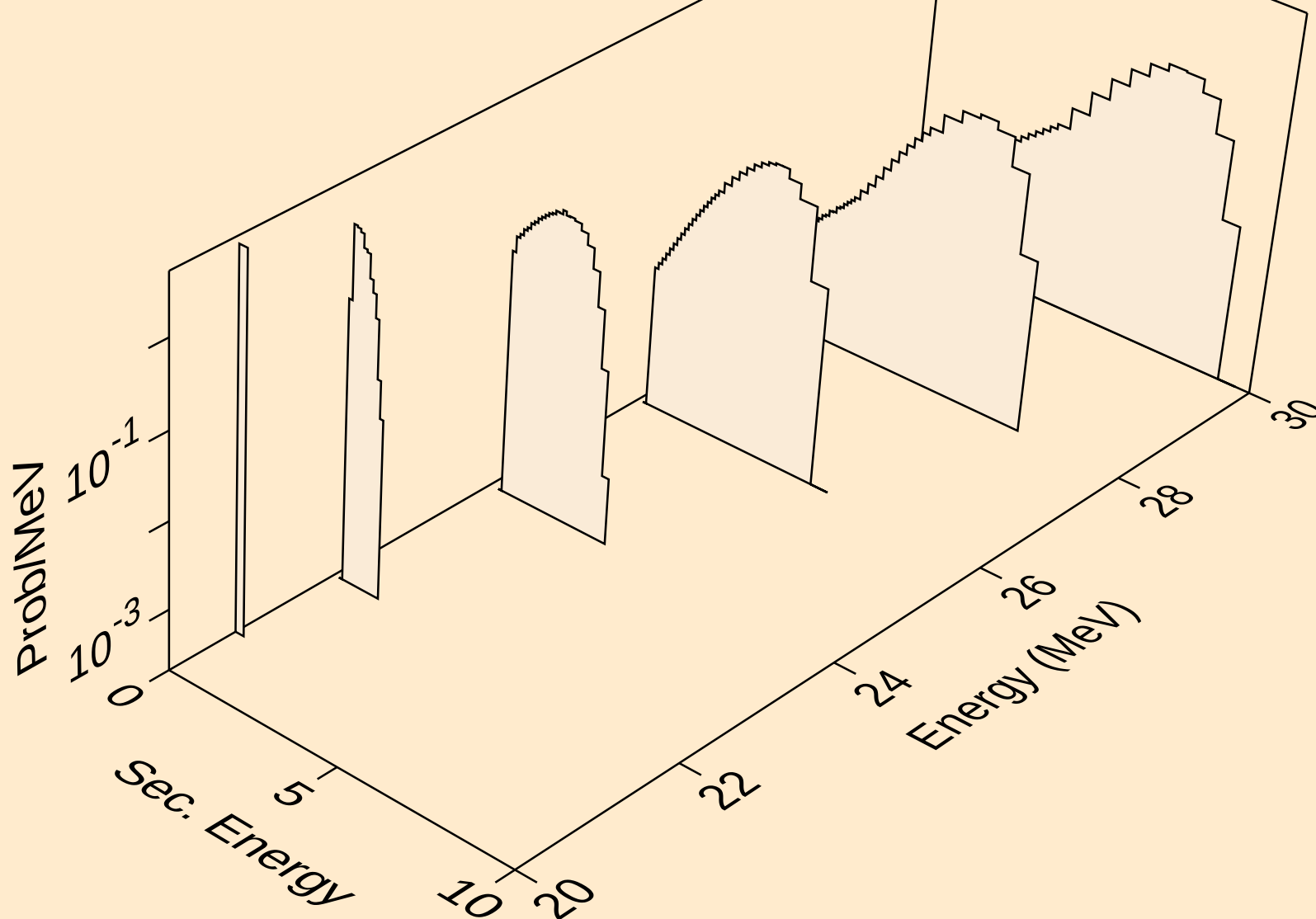
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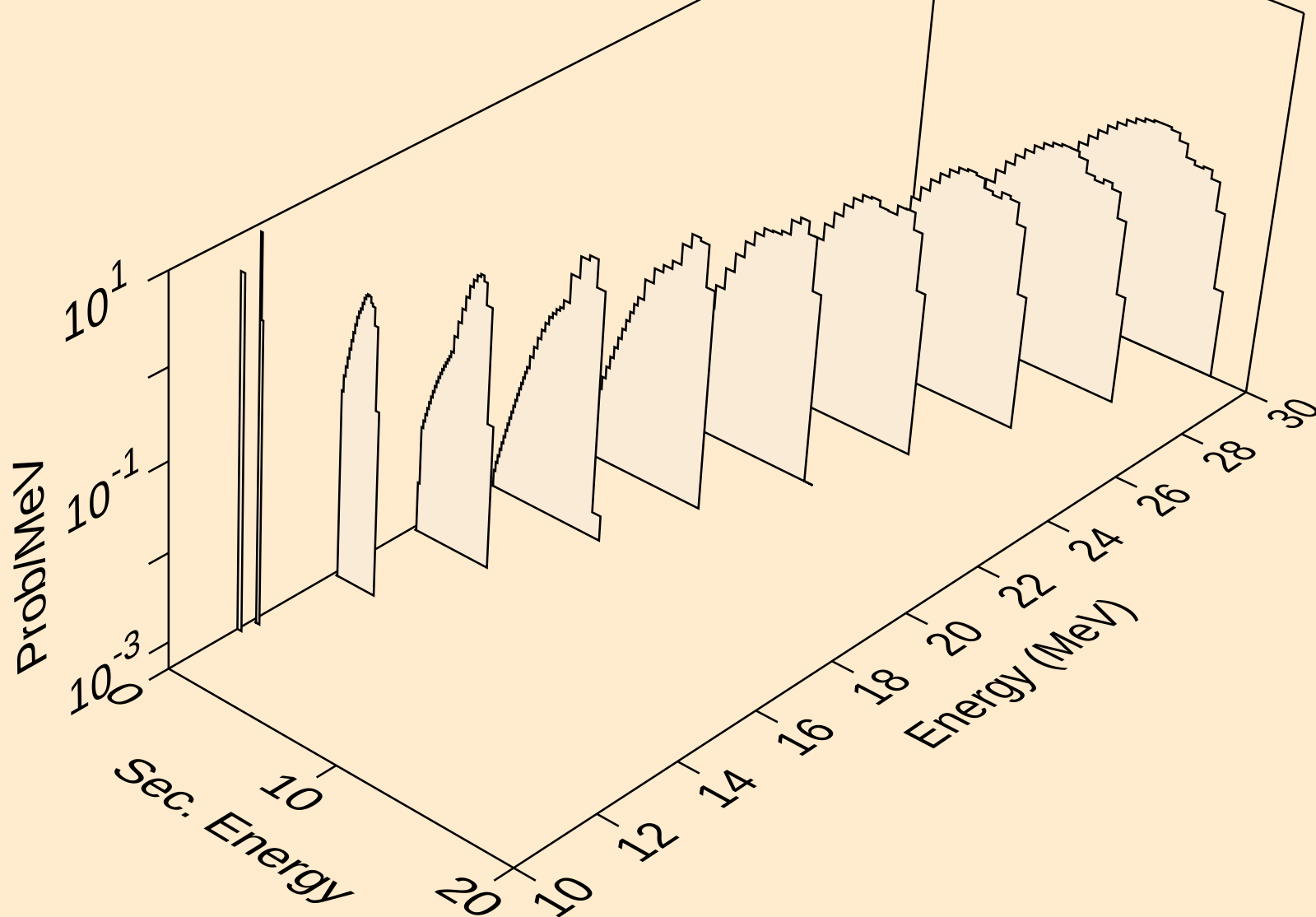
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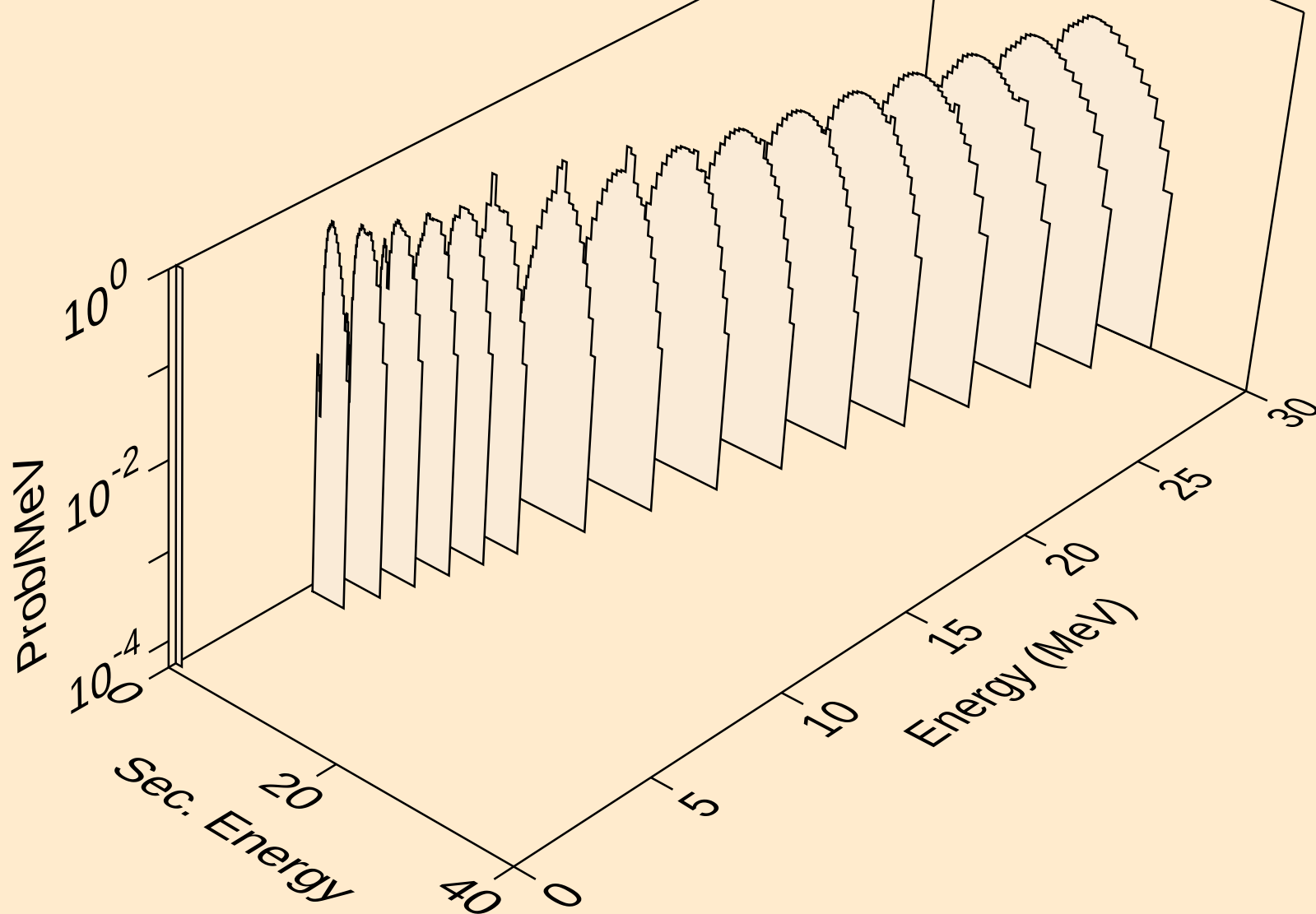
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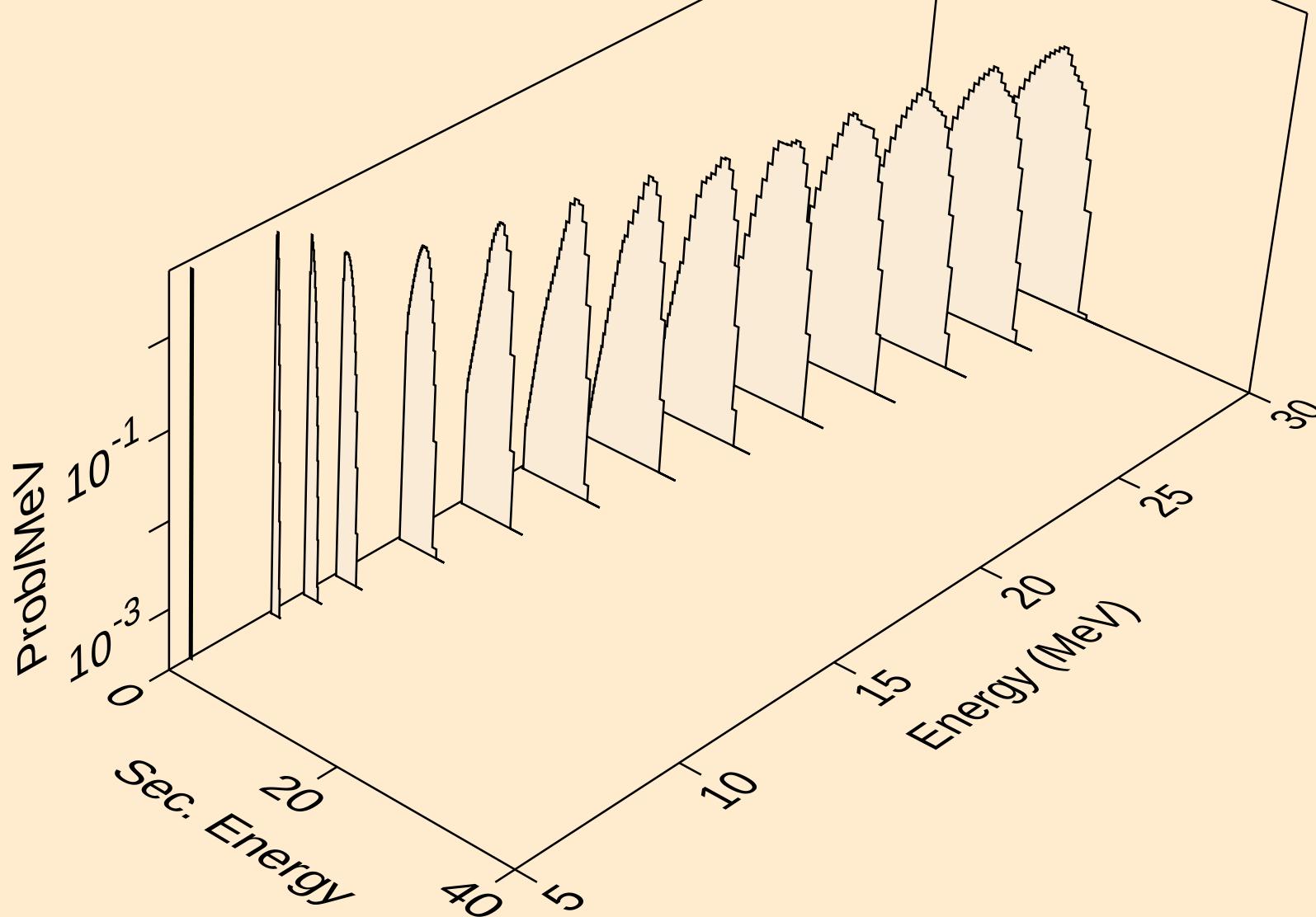
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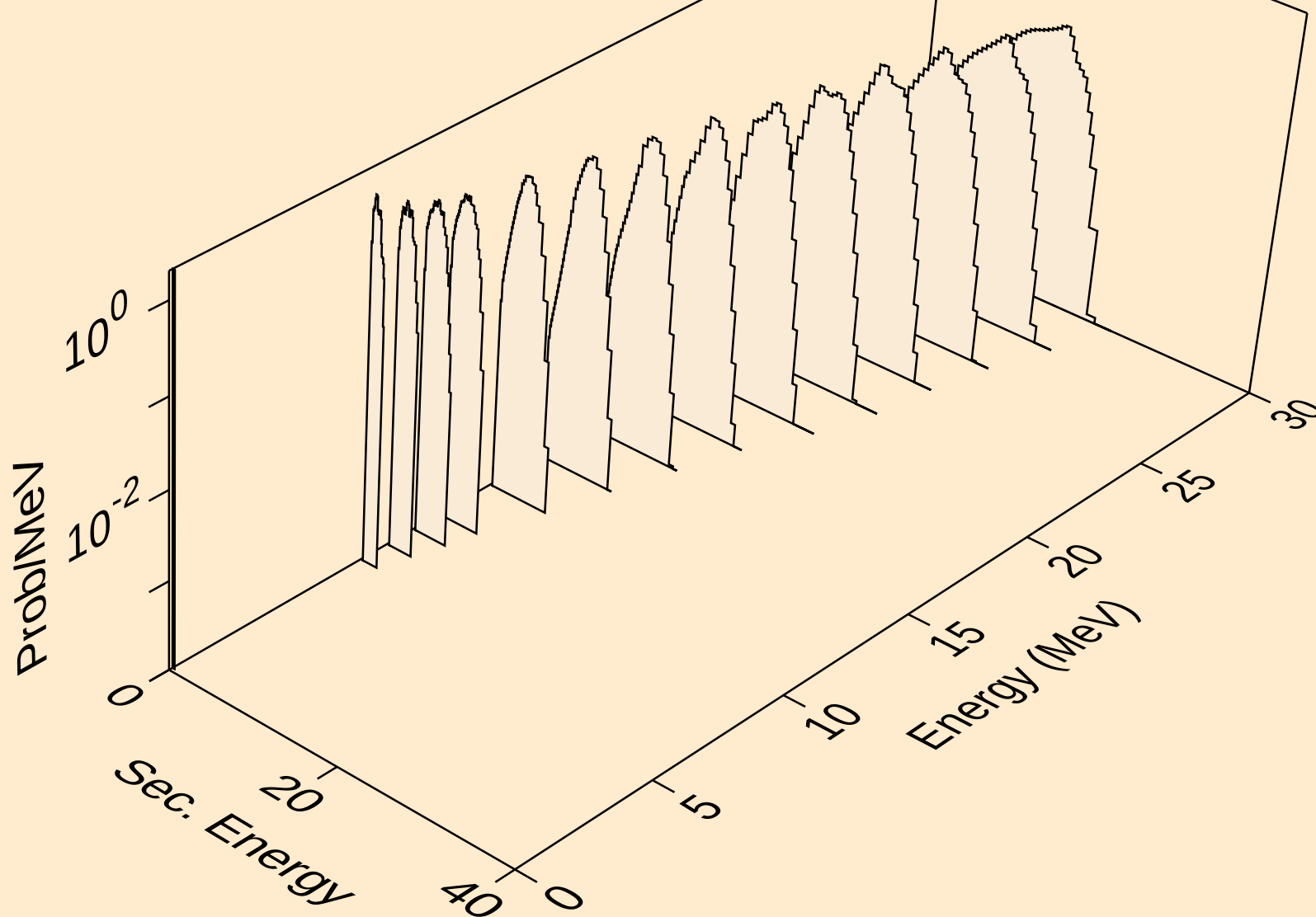
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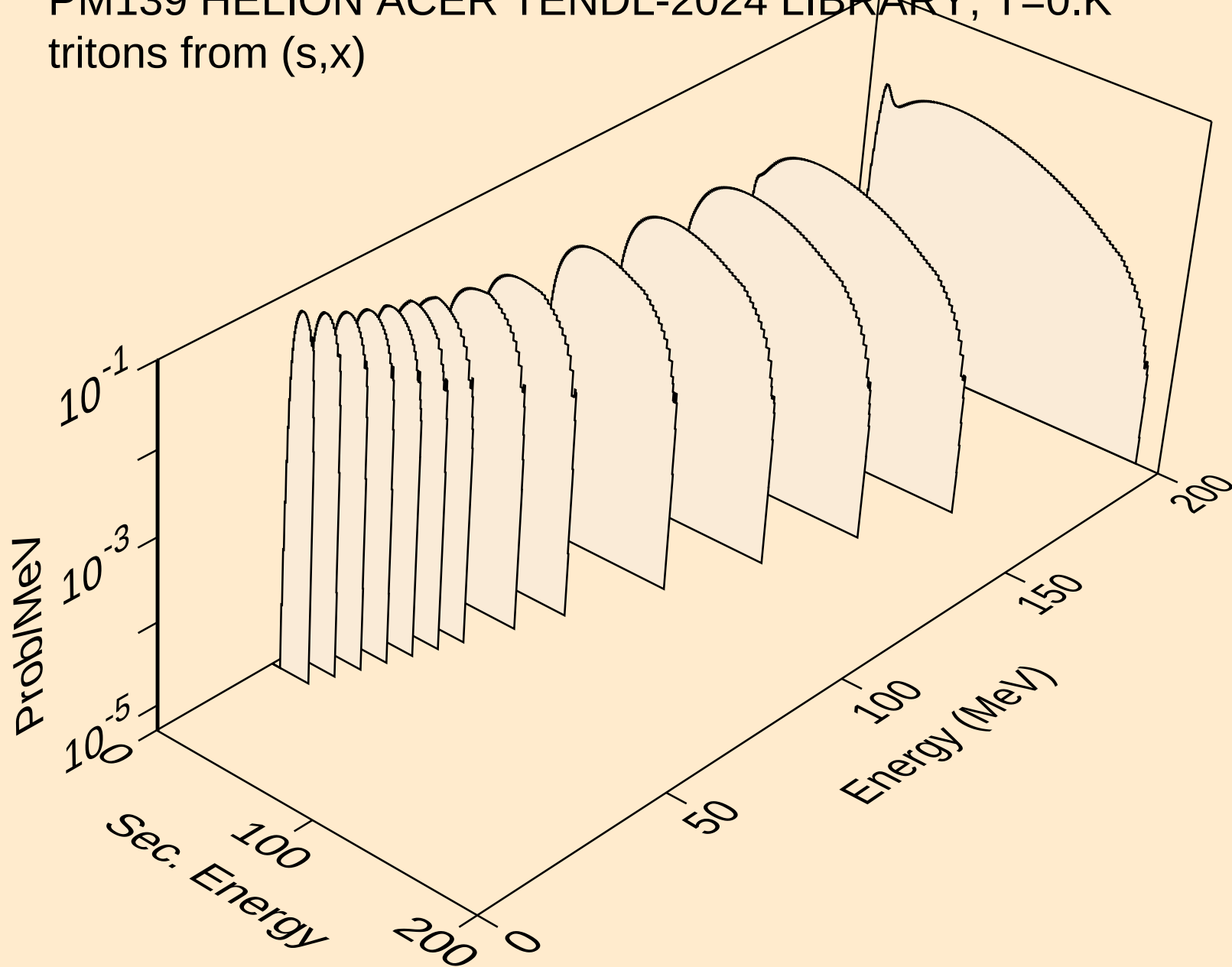
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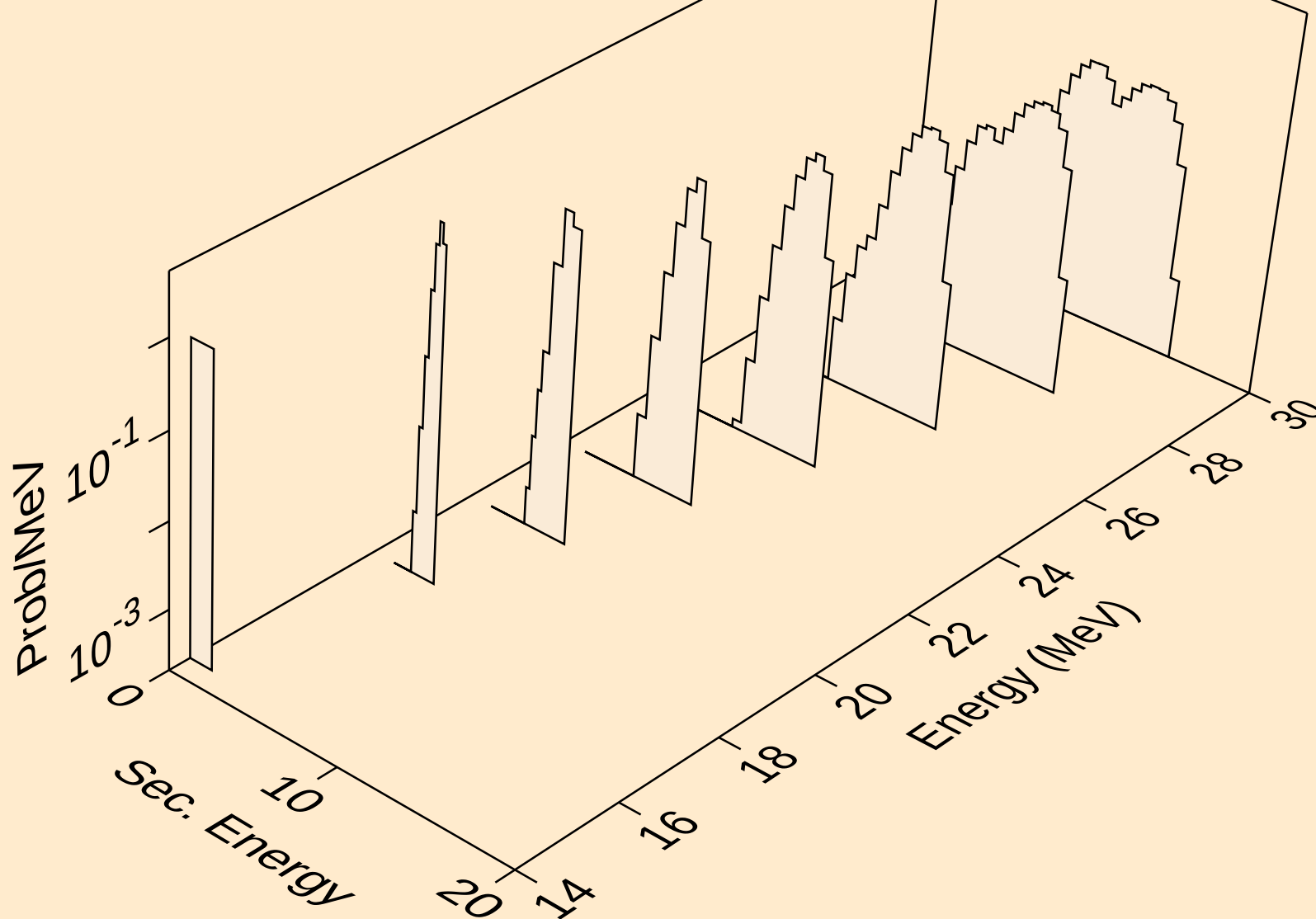
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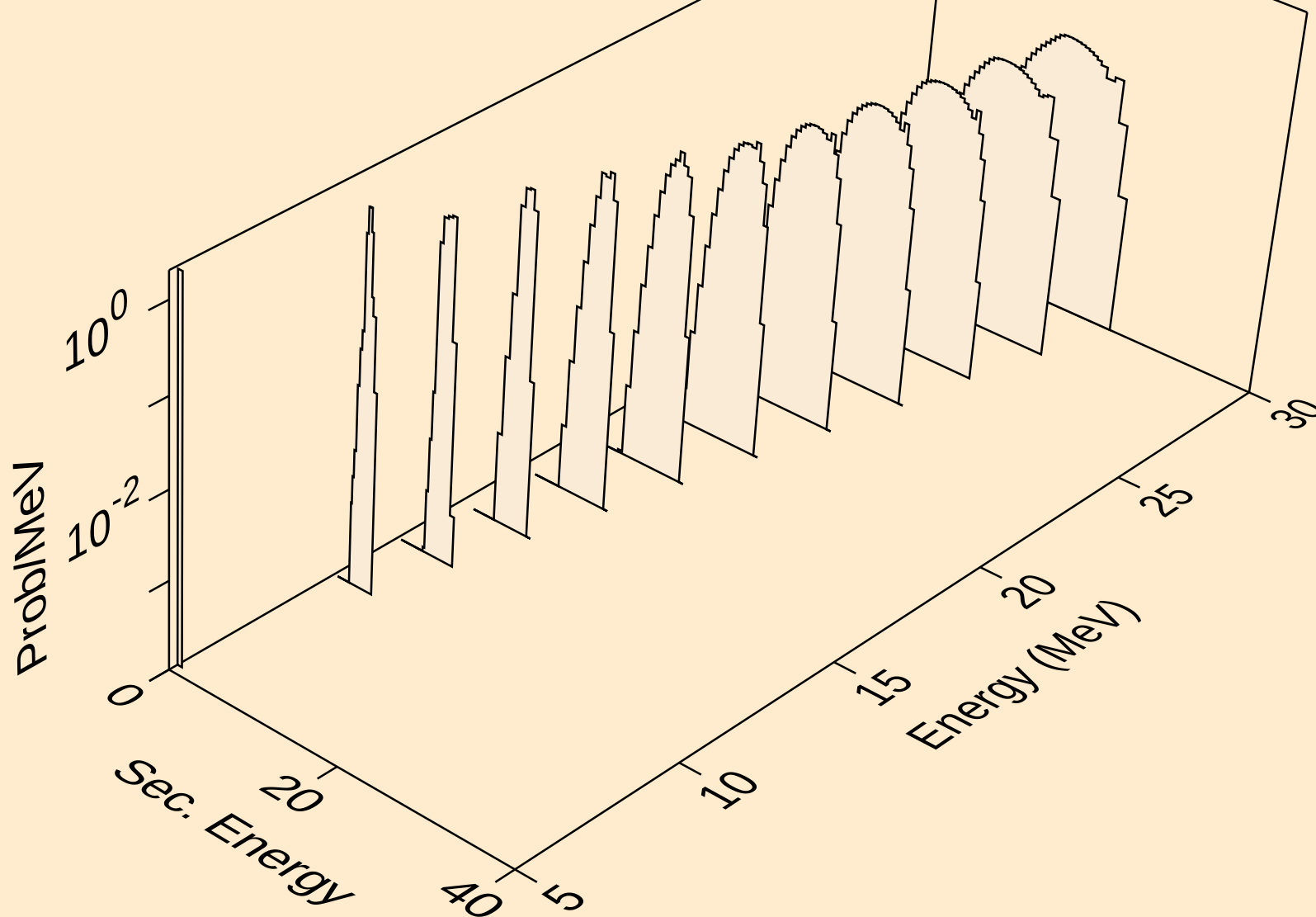
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tritons from (s,x)



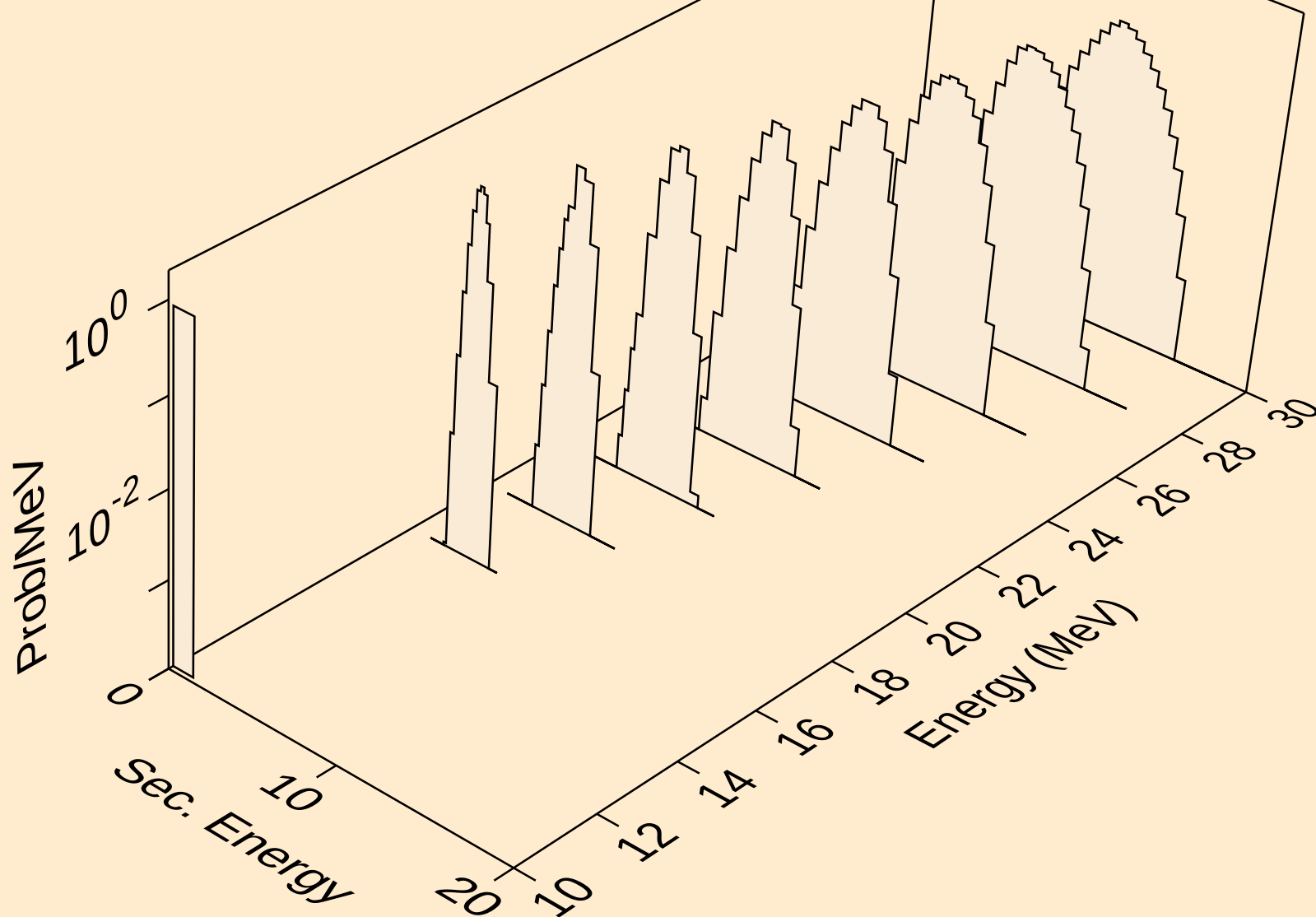
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tritons from (s,n*)t



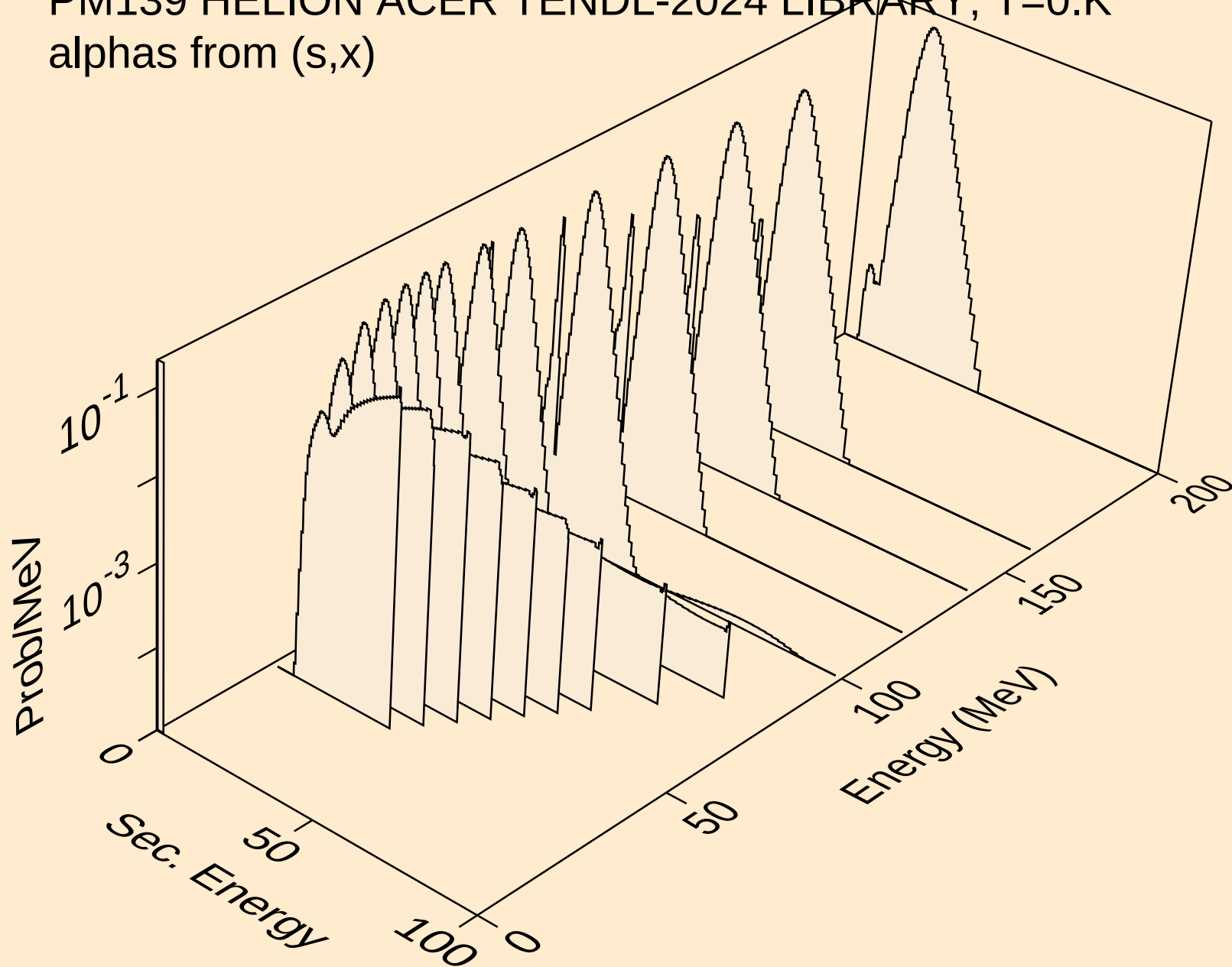
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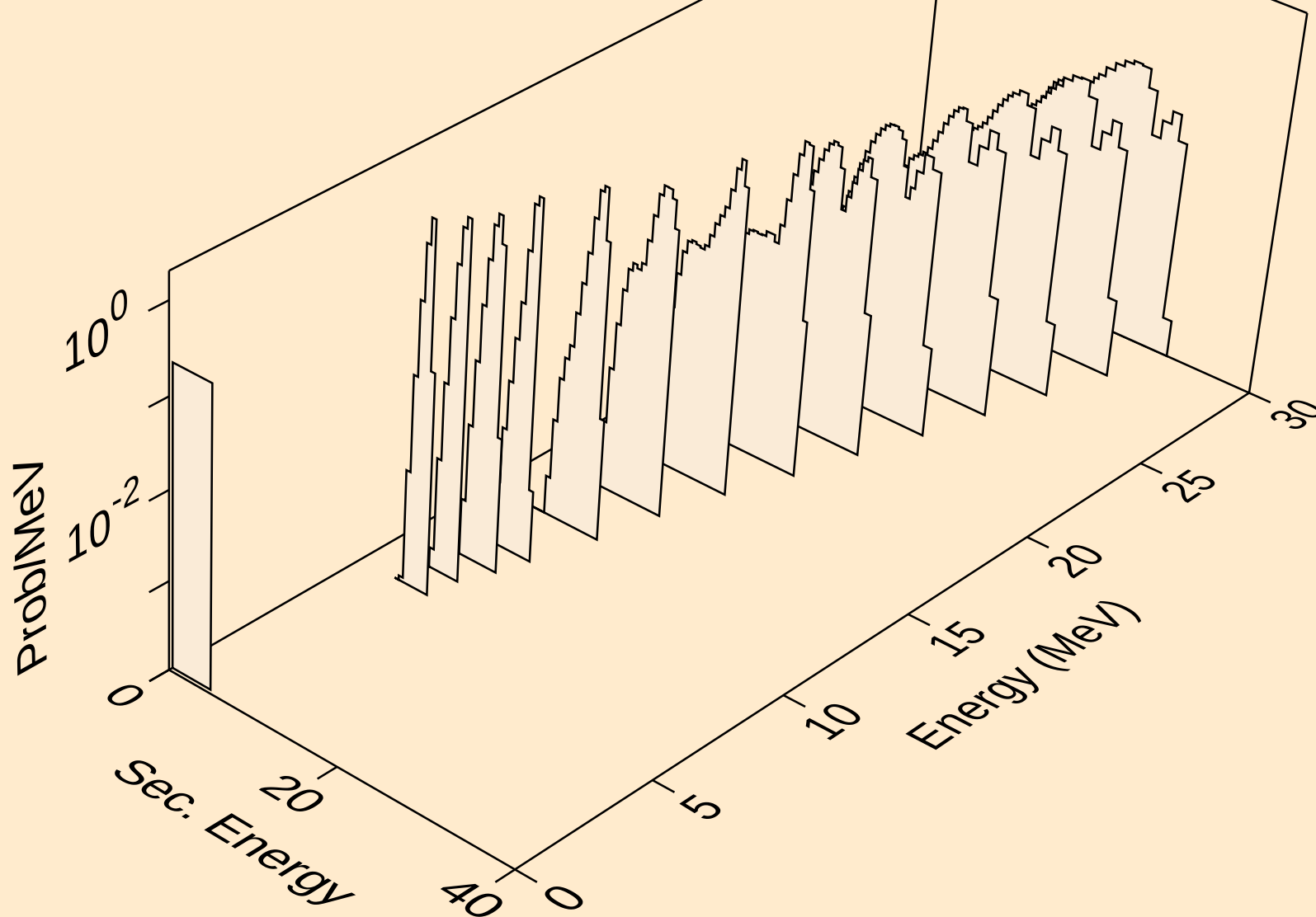
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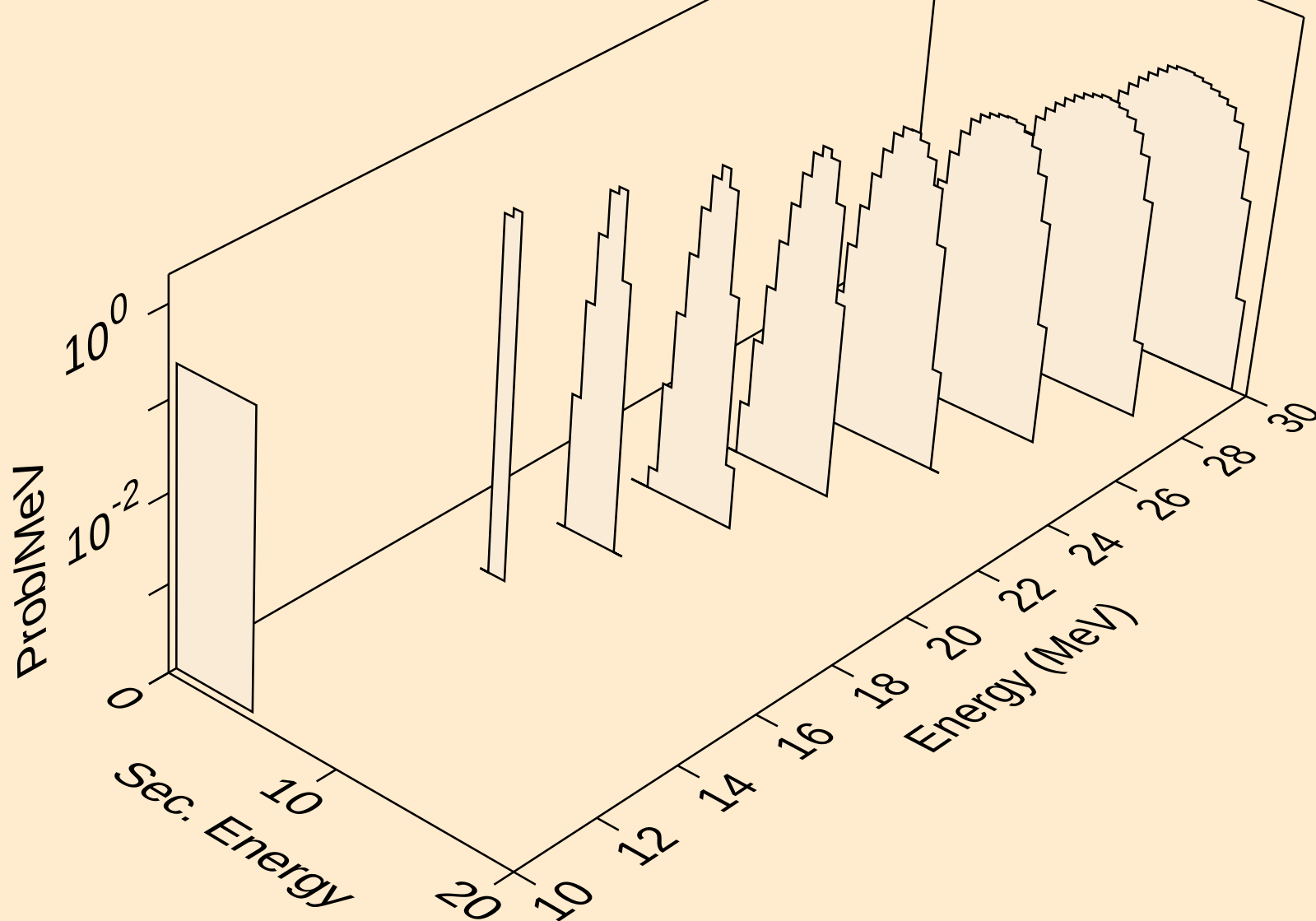
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alphas from (s,x)



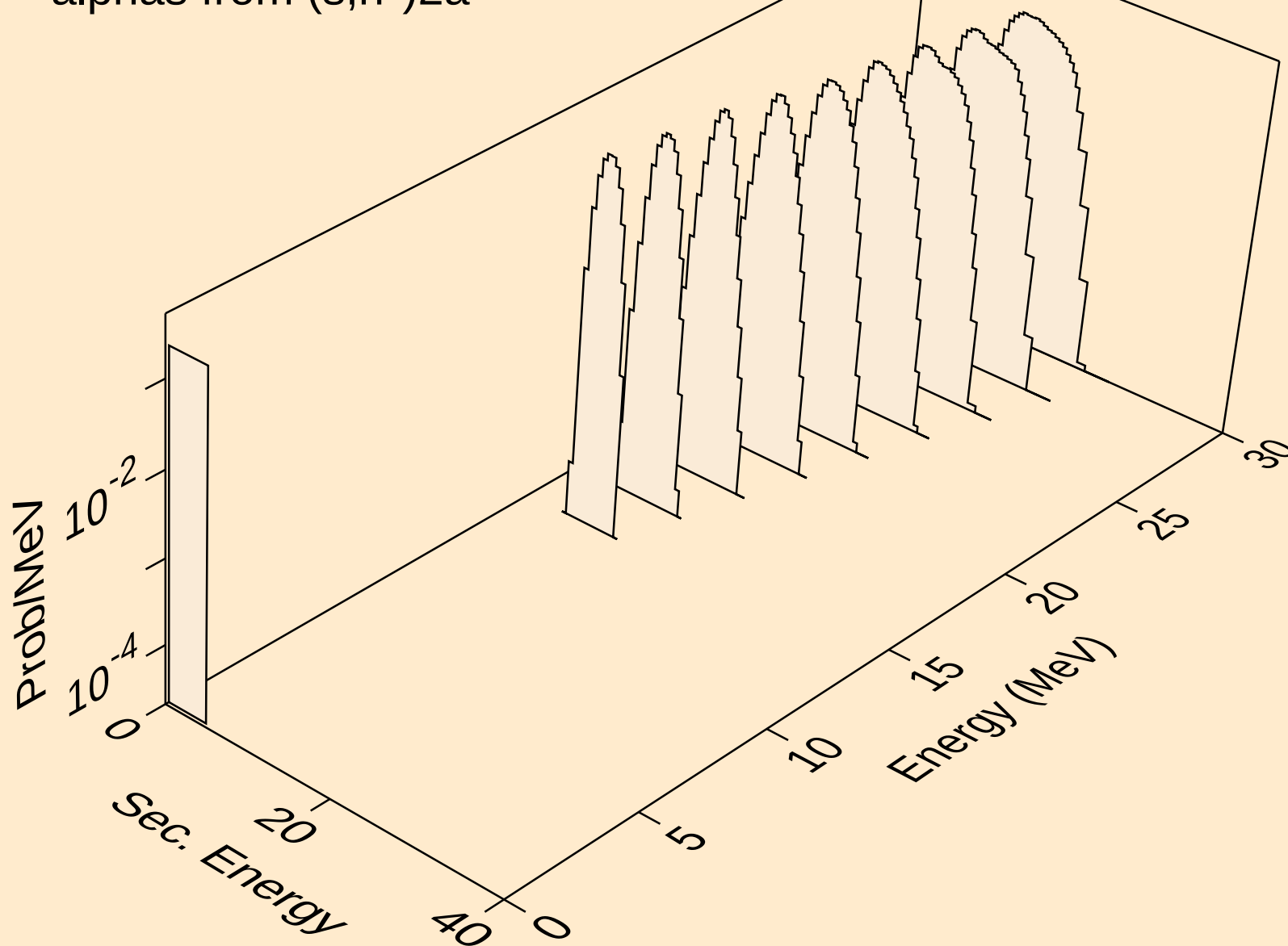
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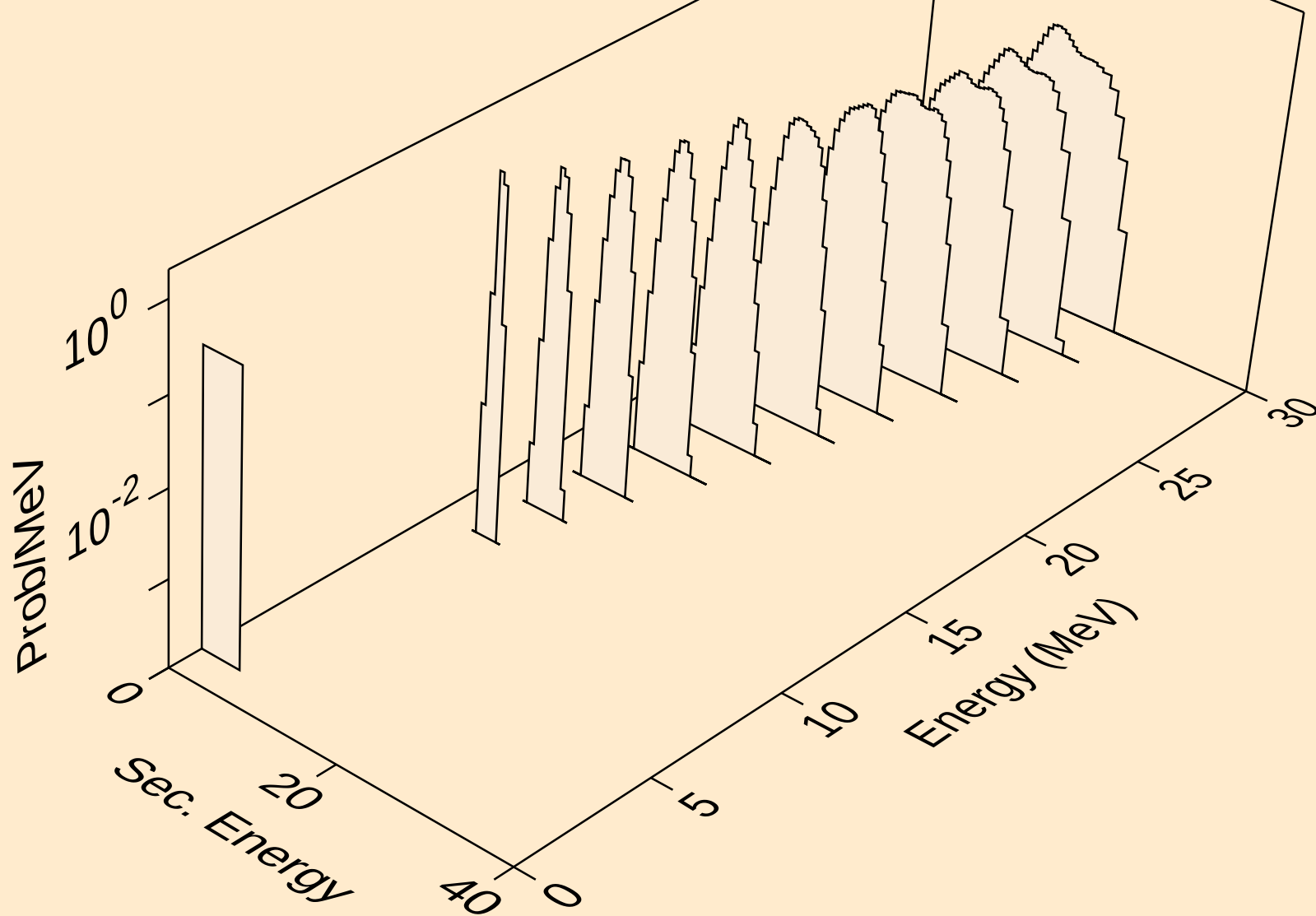
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alphas from (s,2n)a



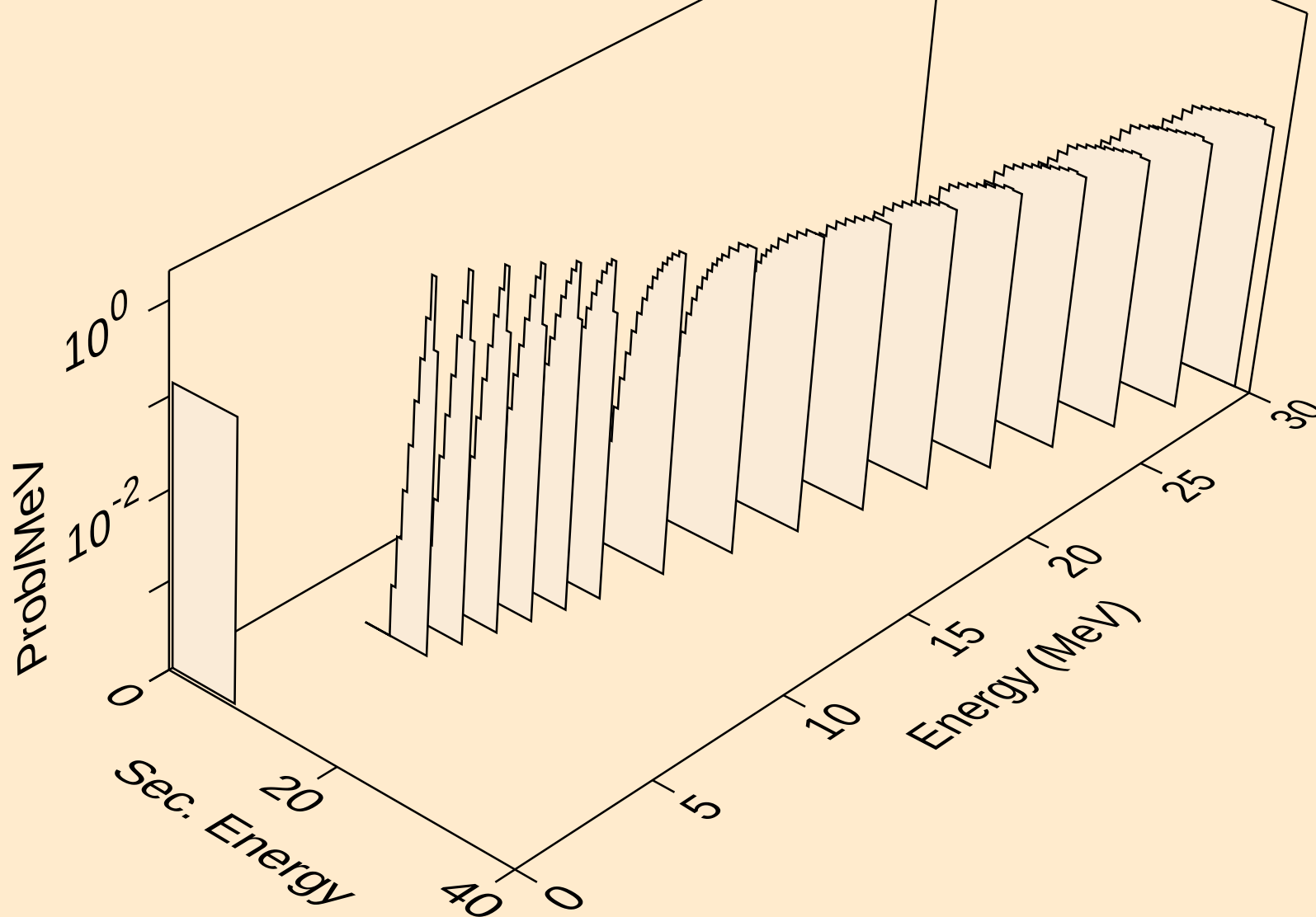
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alphas from (s,n*)2a



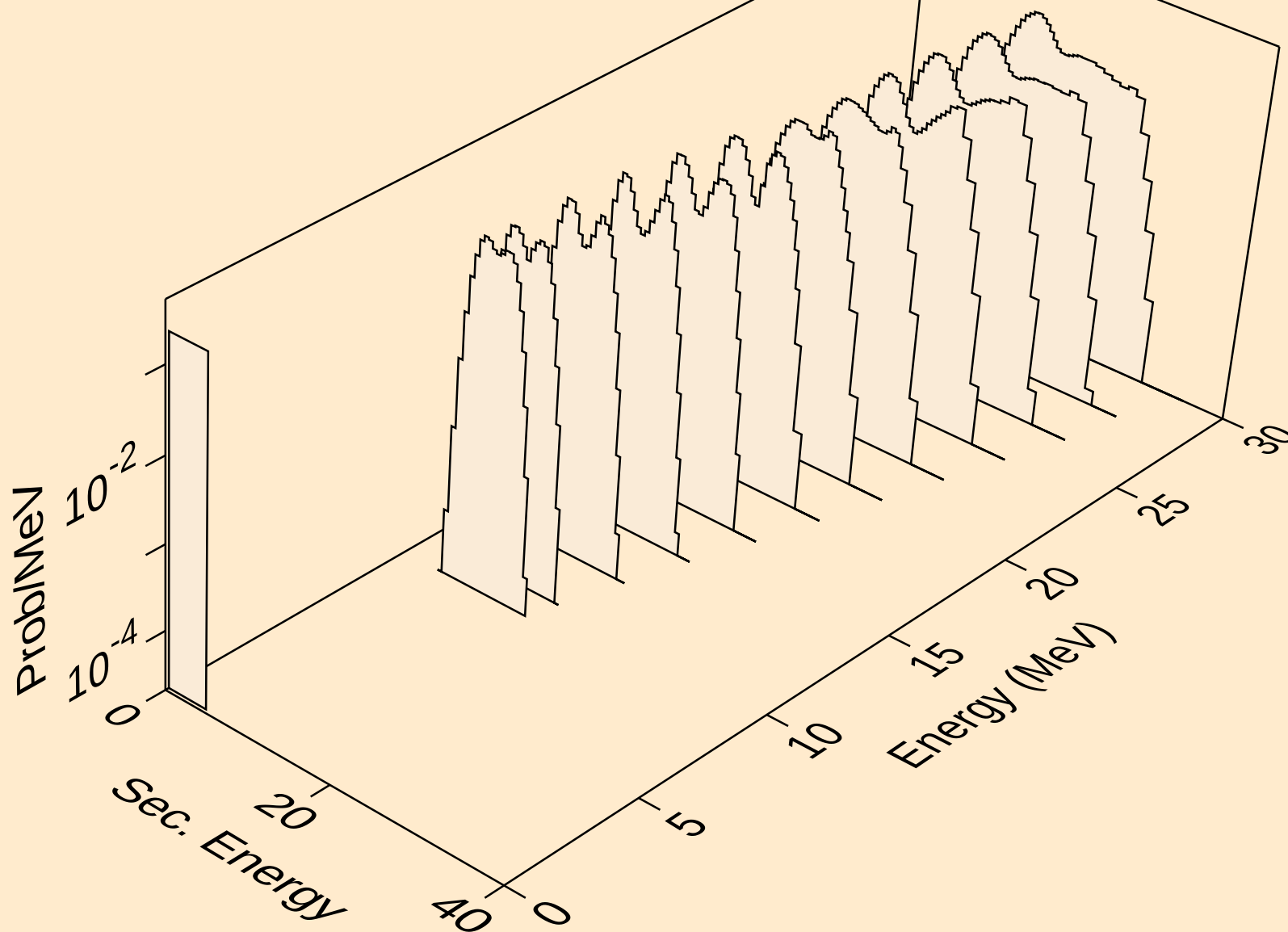
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alphas from (s,npa)



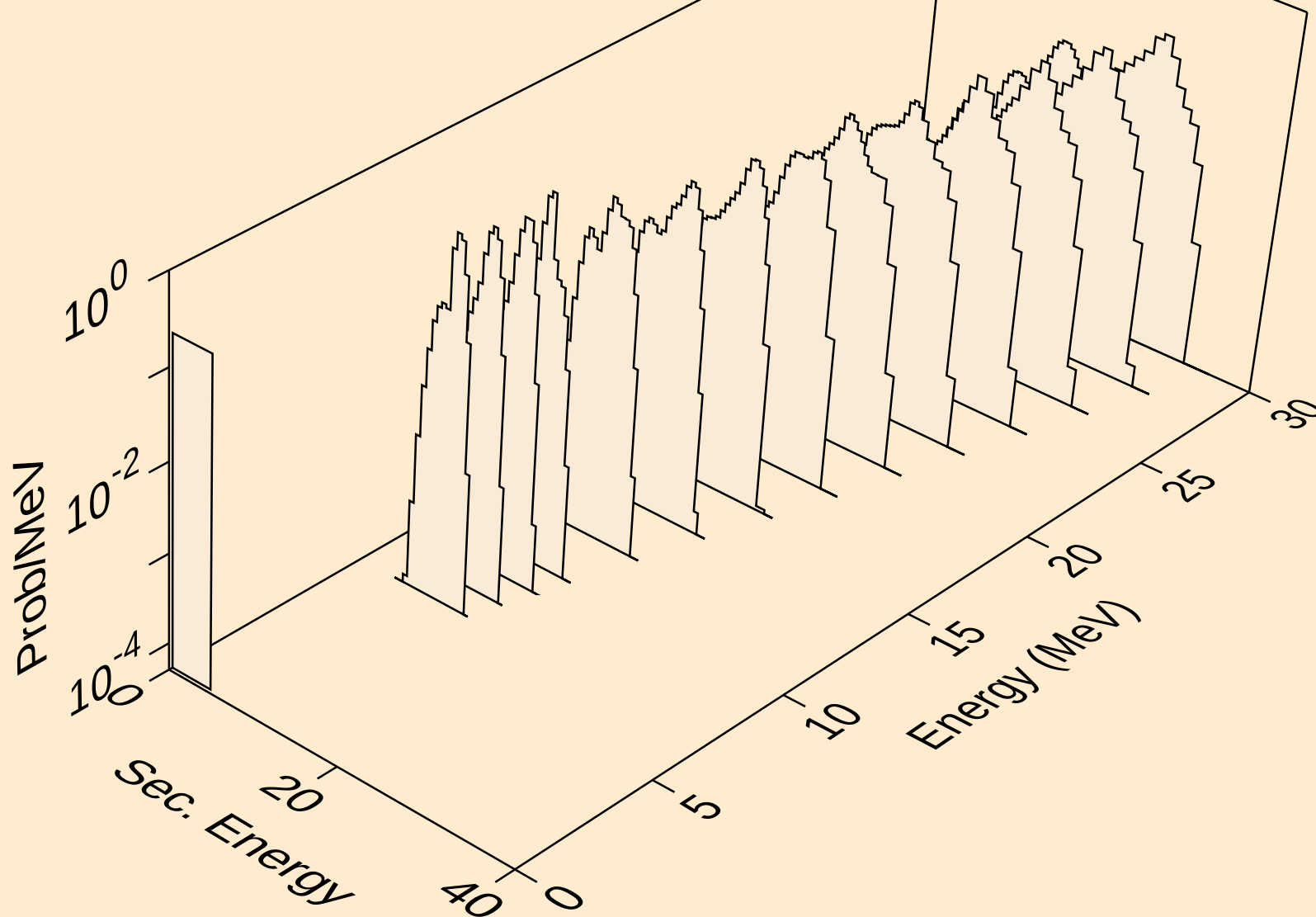
PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,a)



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,2a)



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,pa)



PM139 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,da)

