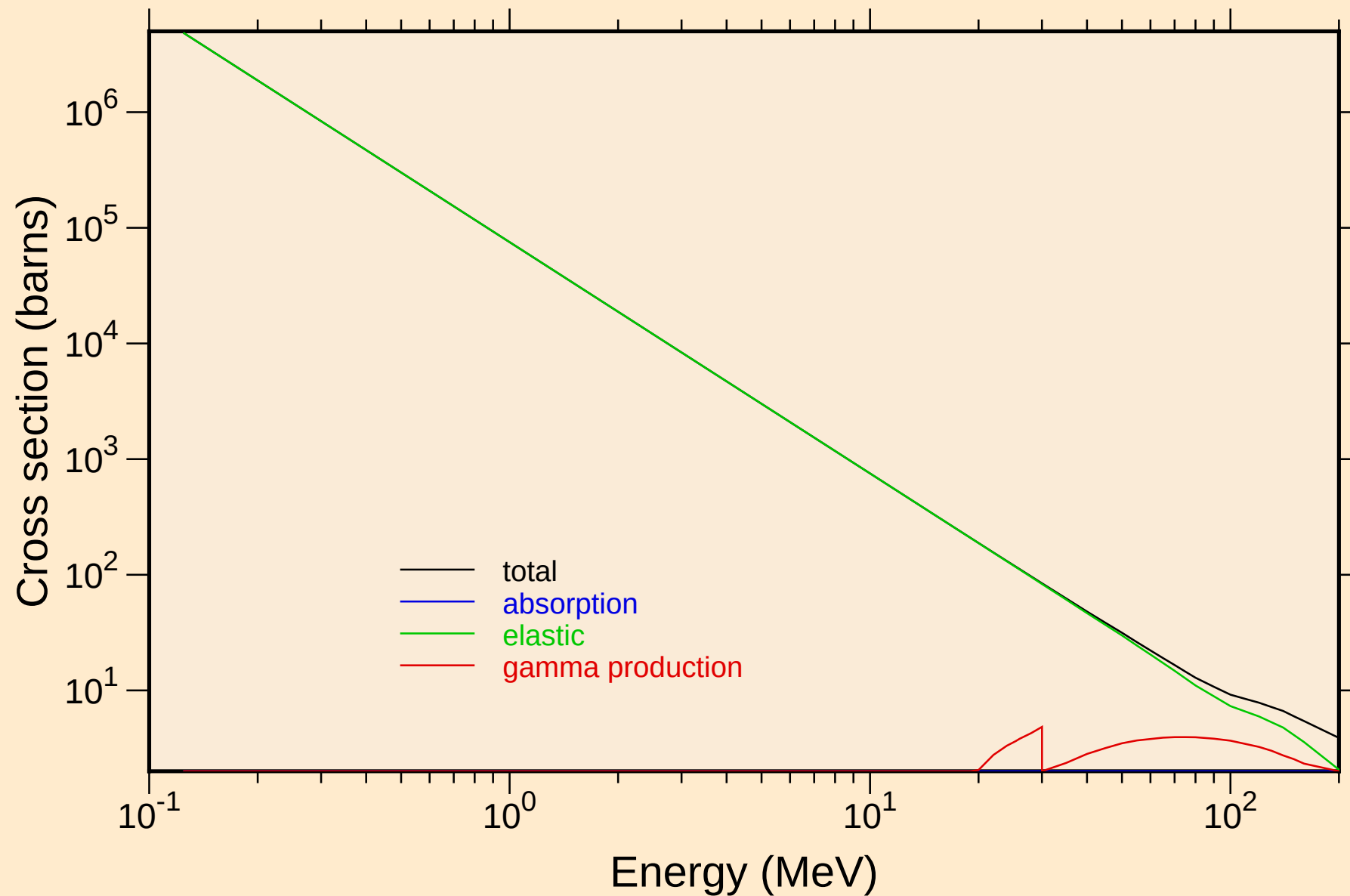


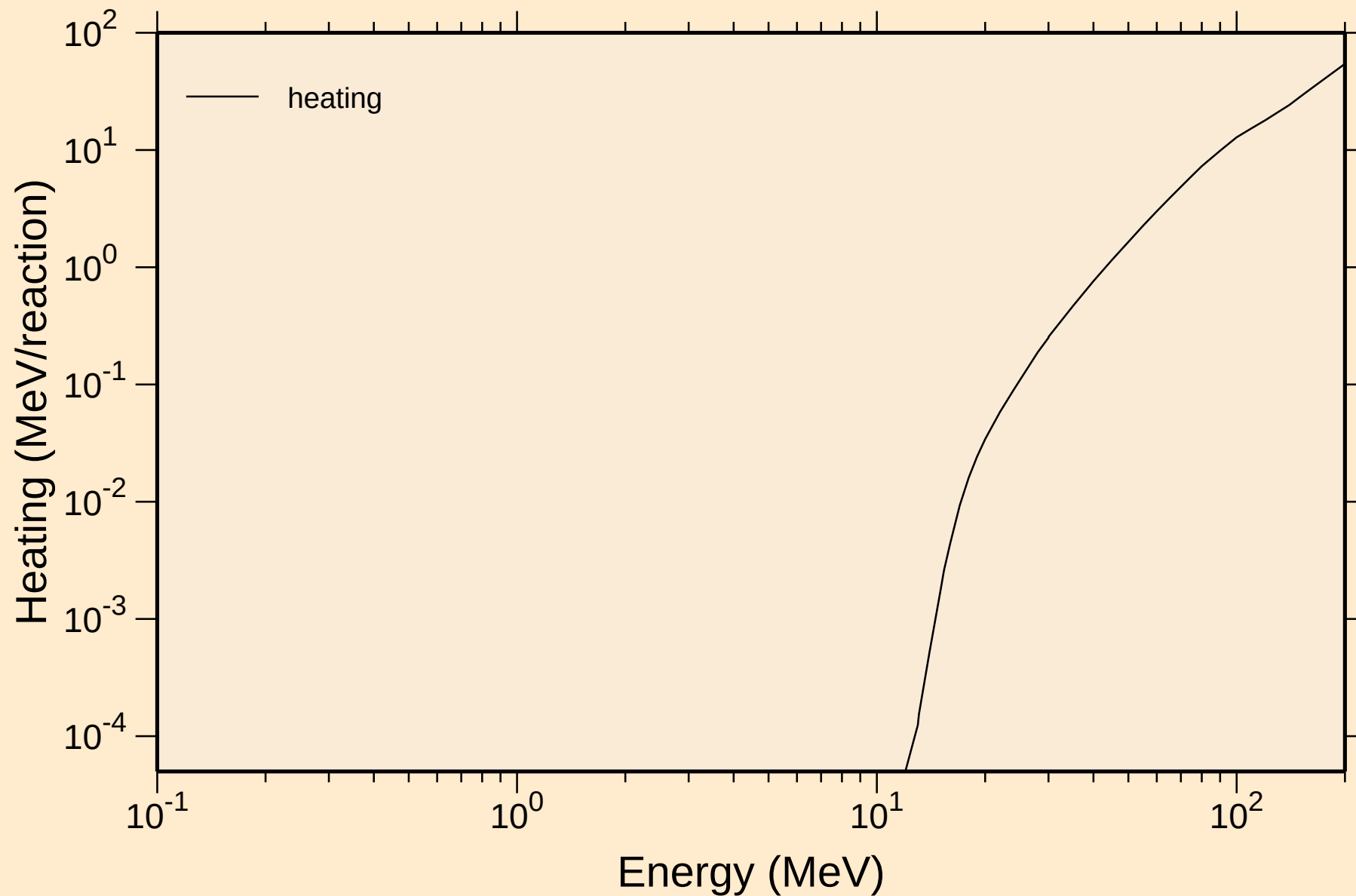
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



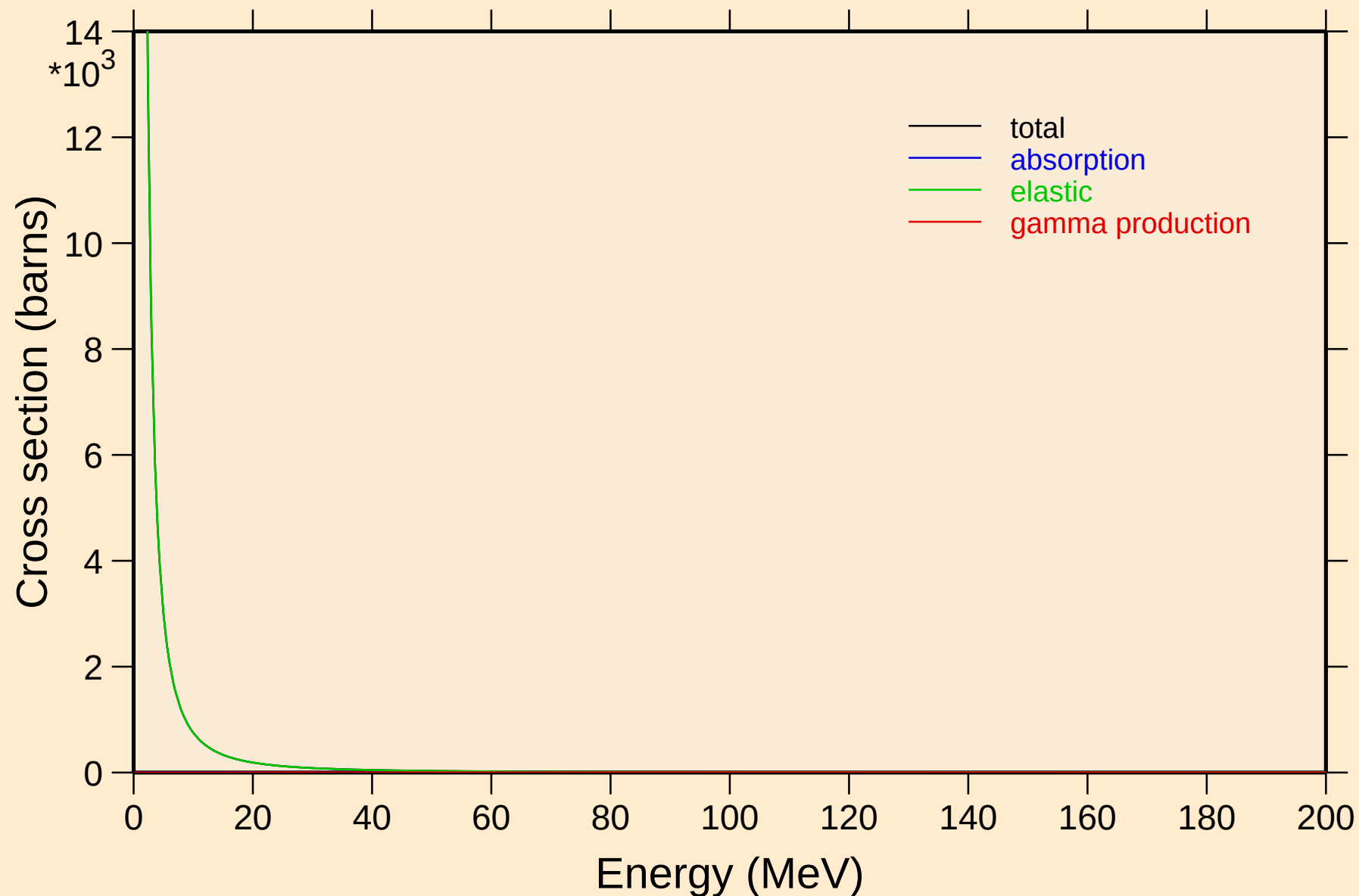
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Heating



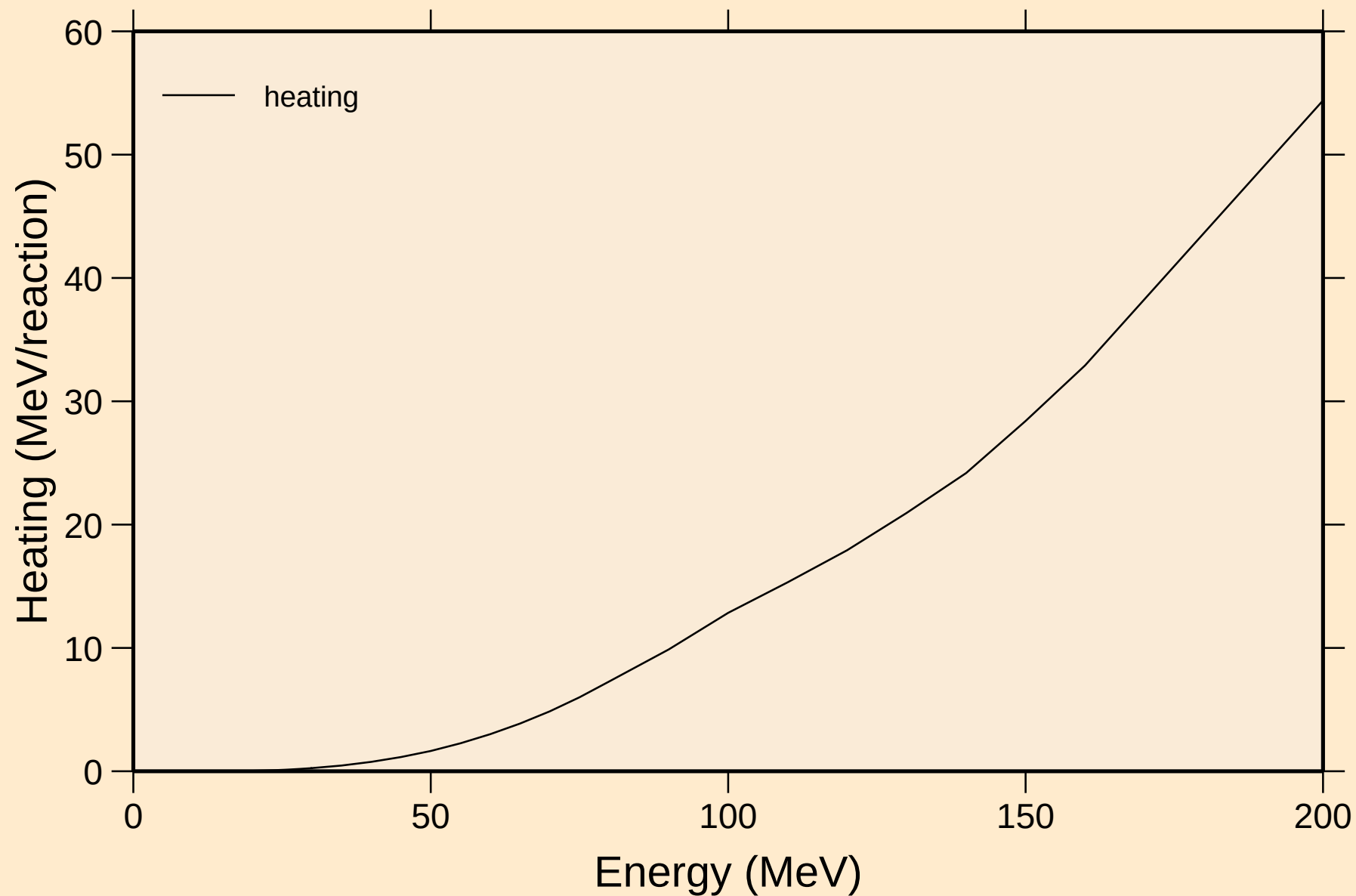
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Principal cross sections



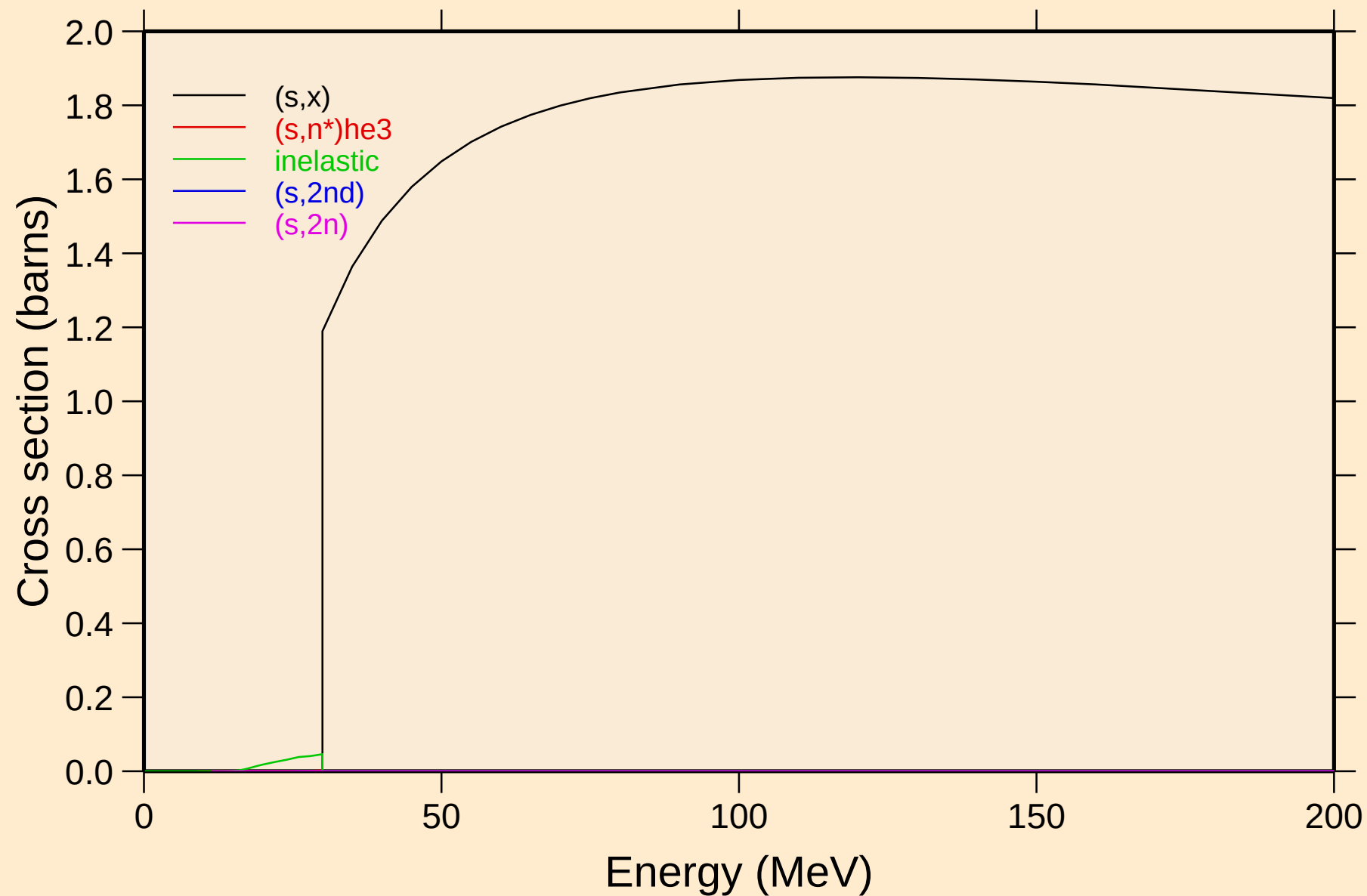
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Heating



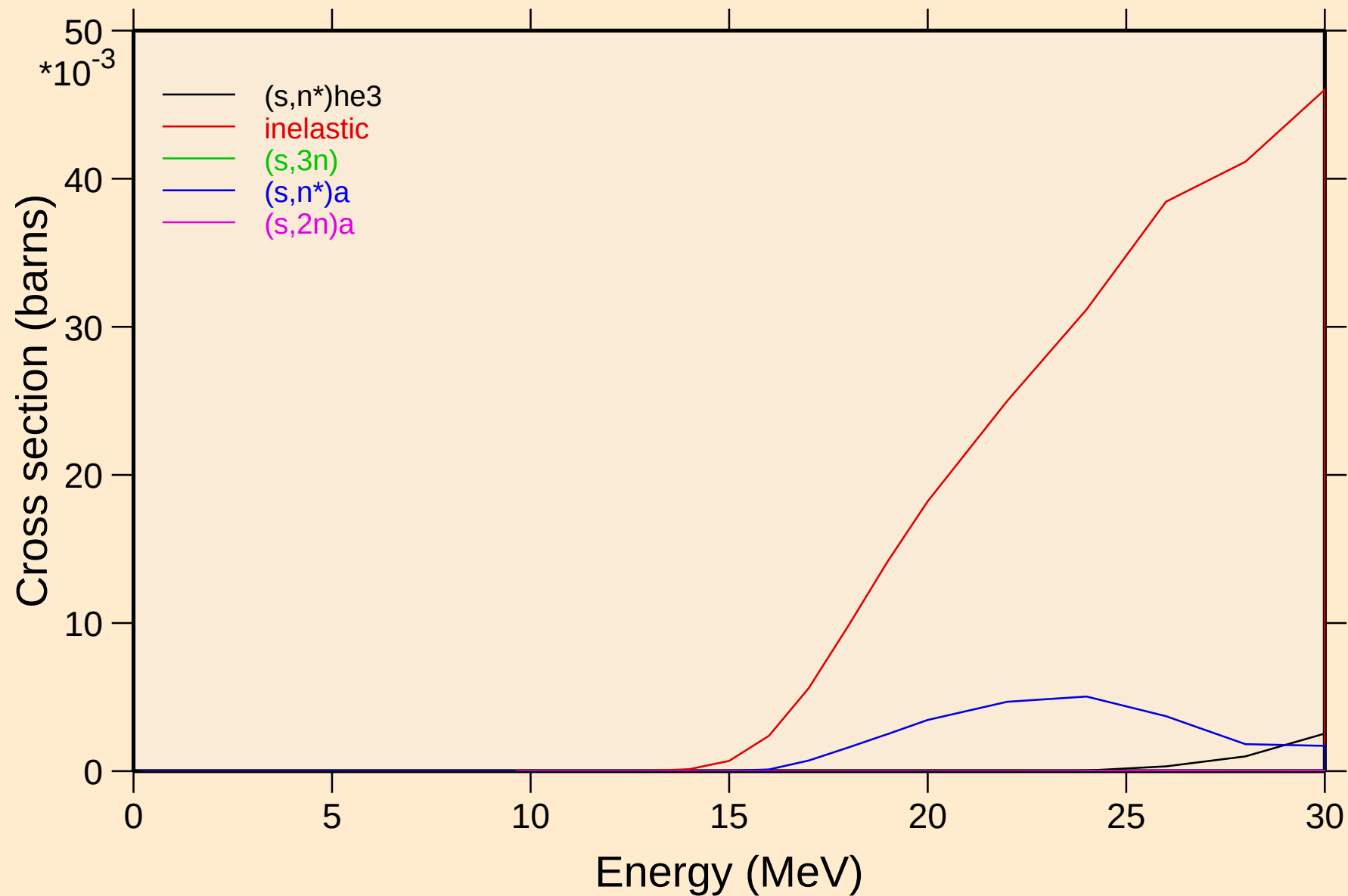
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Threshold reactions

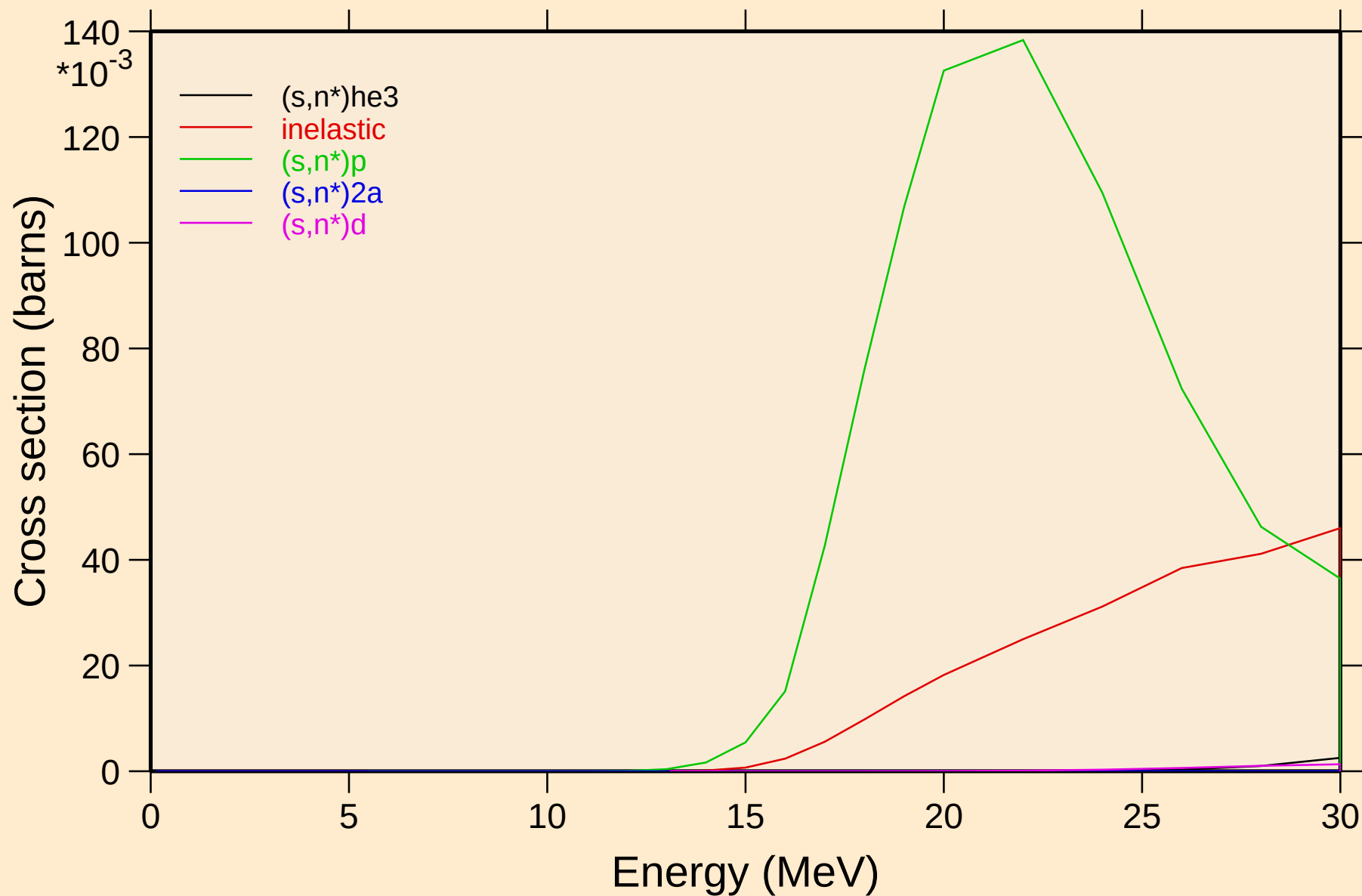


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

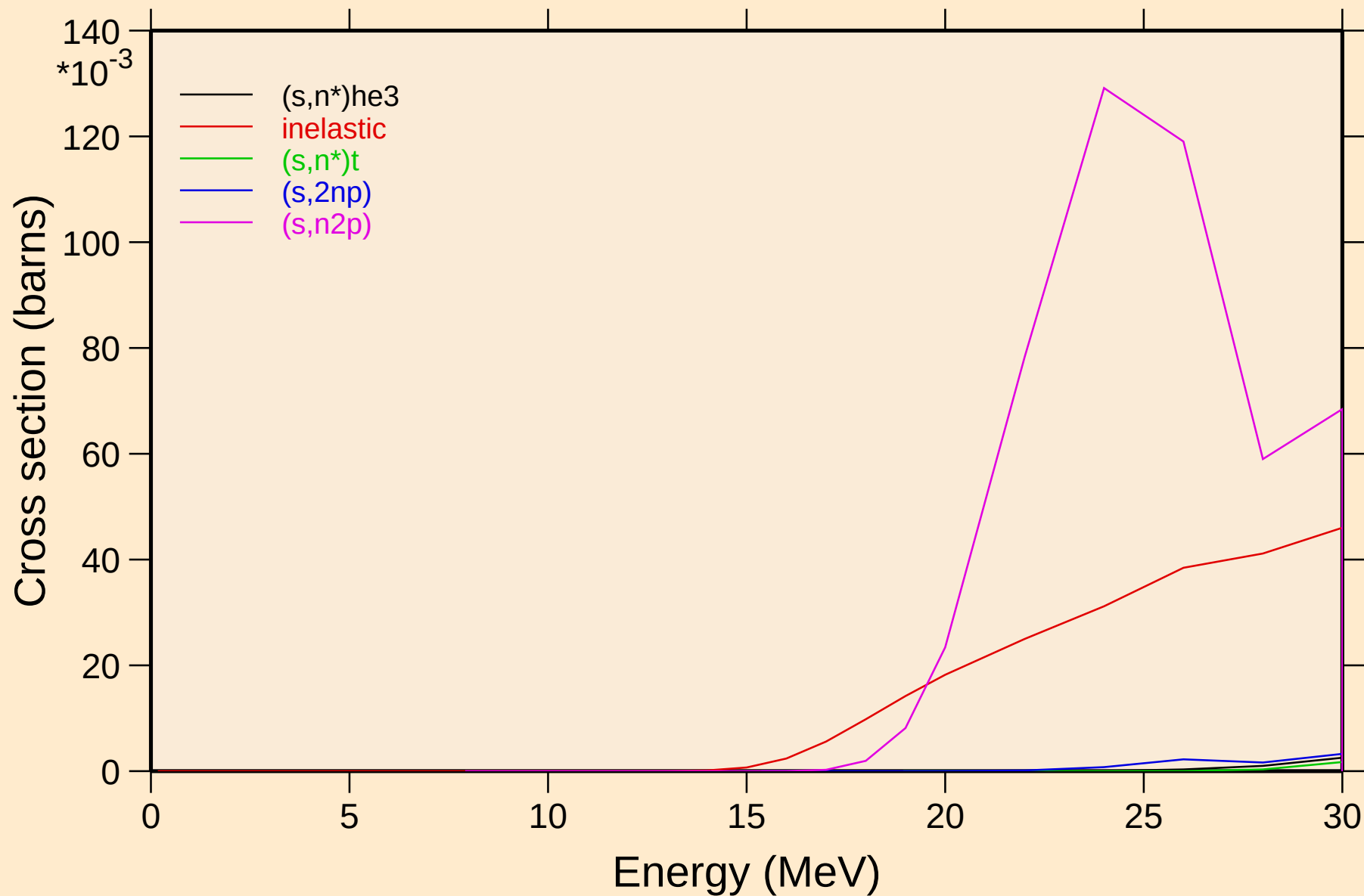
Threshold reactions



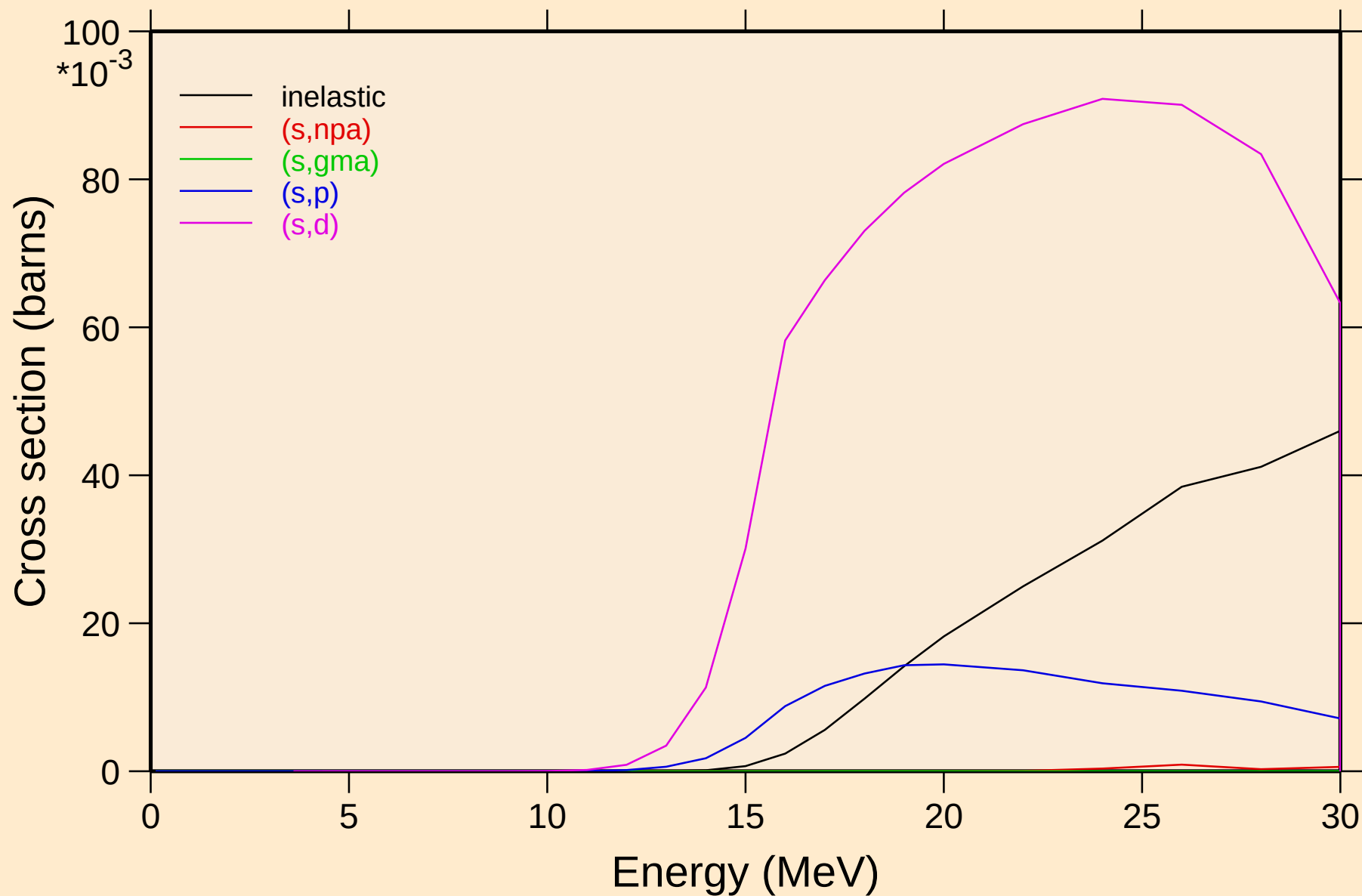
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

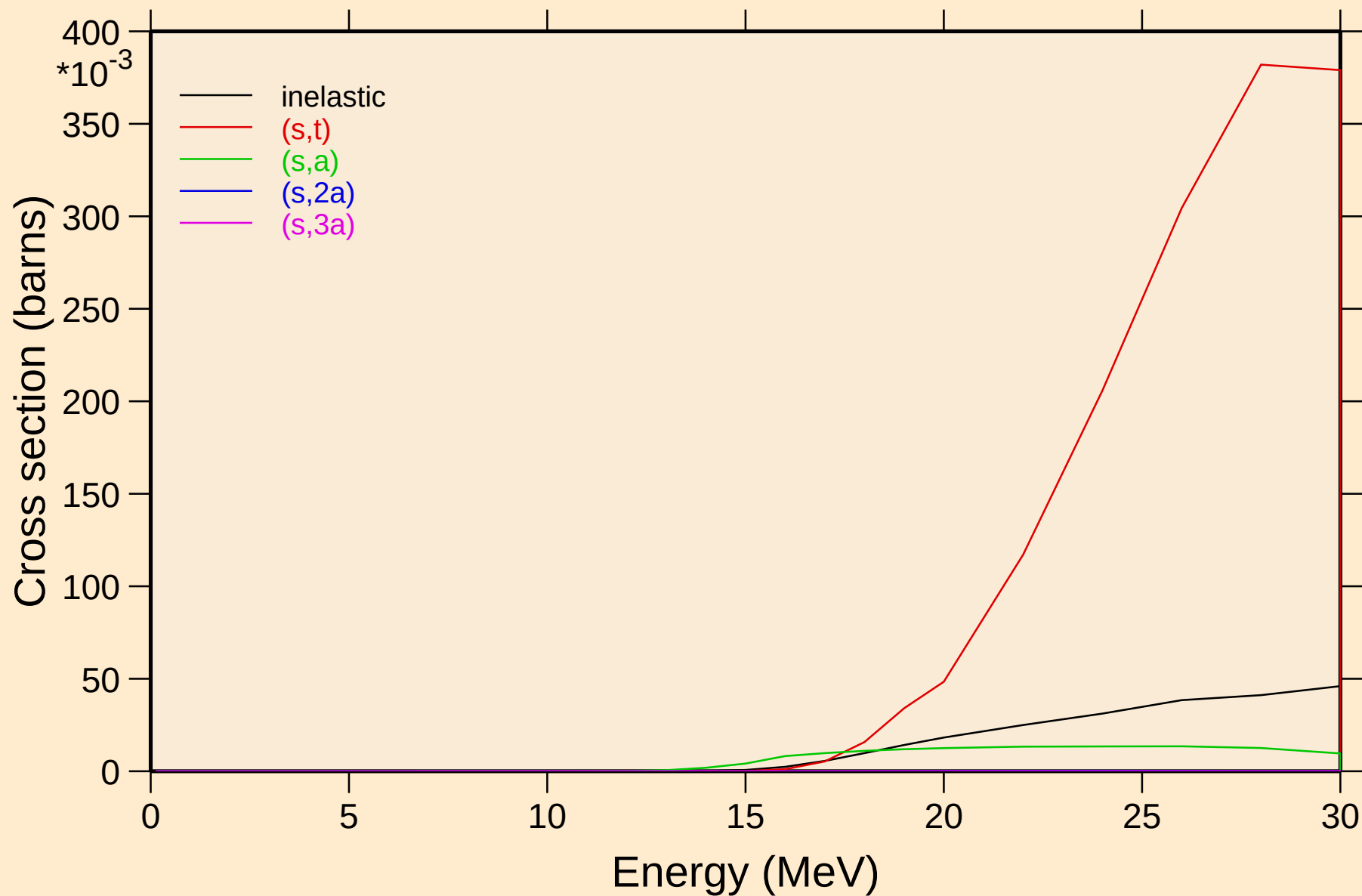


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions



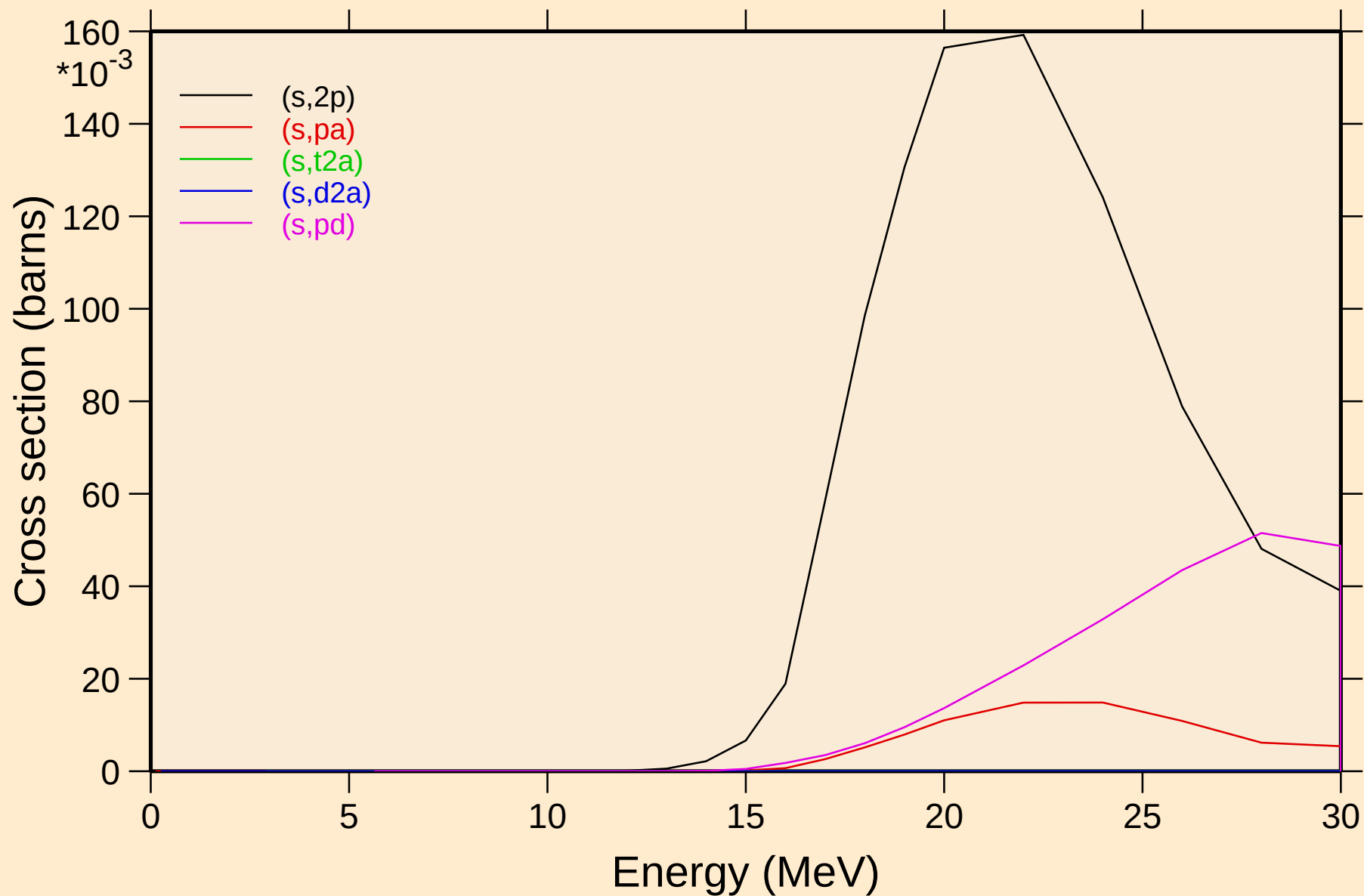
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Threshold reactions



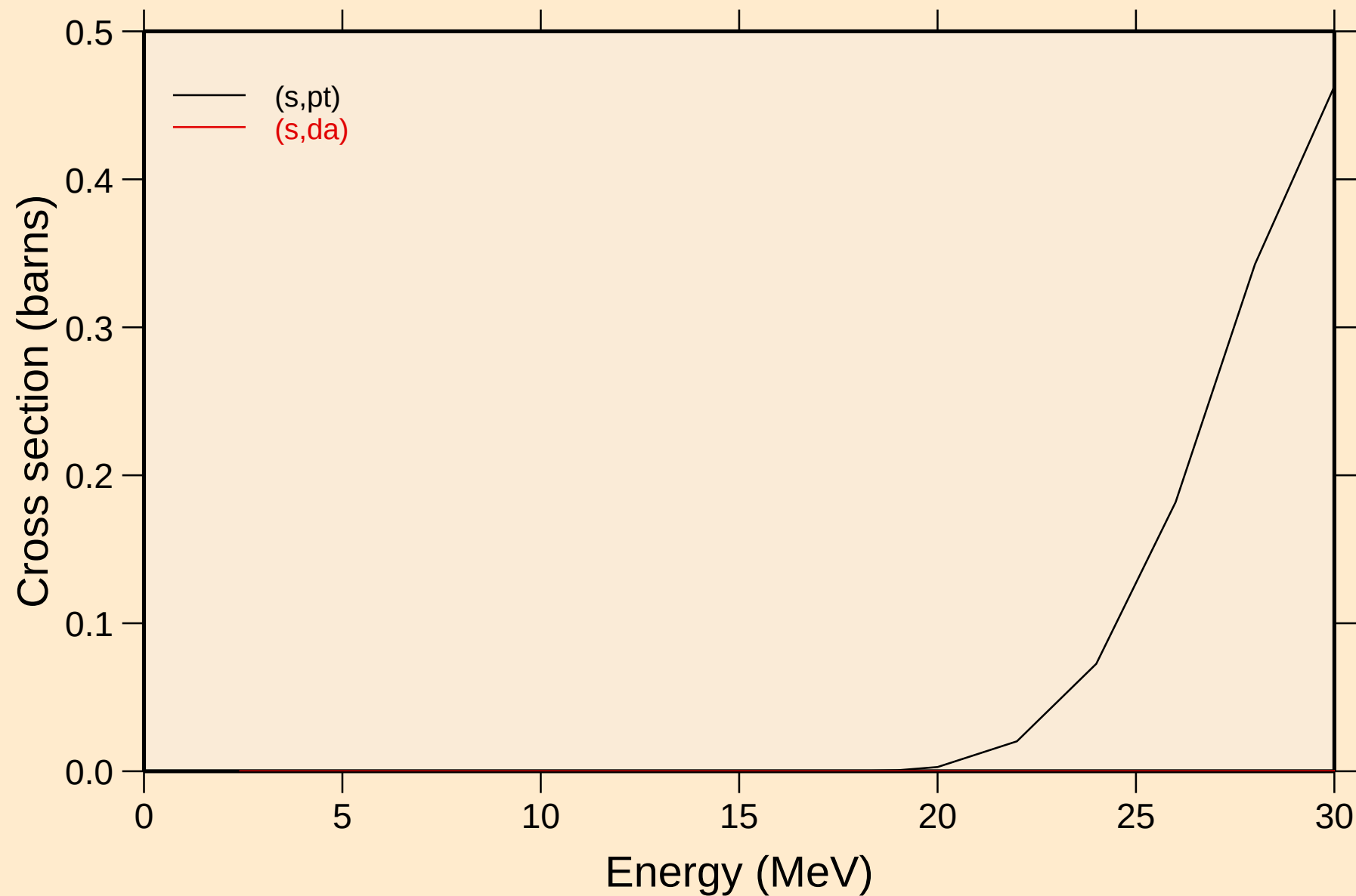
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Threshold reactions

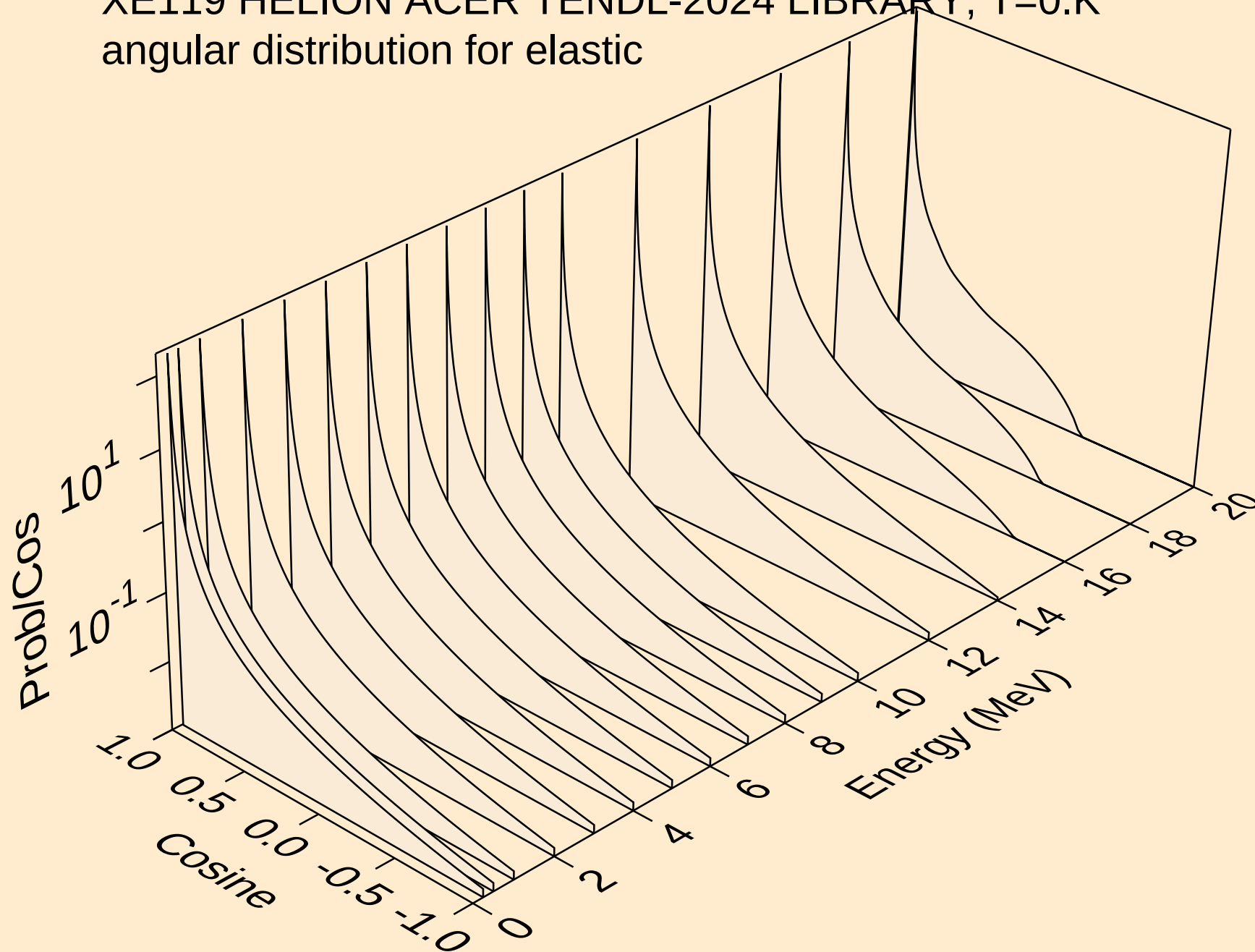


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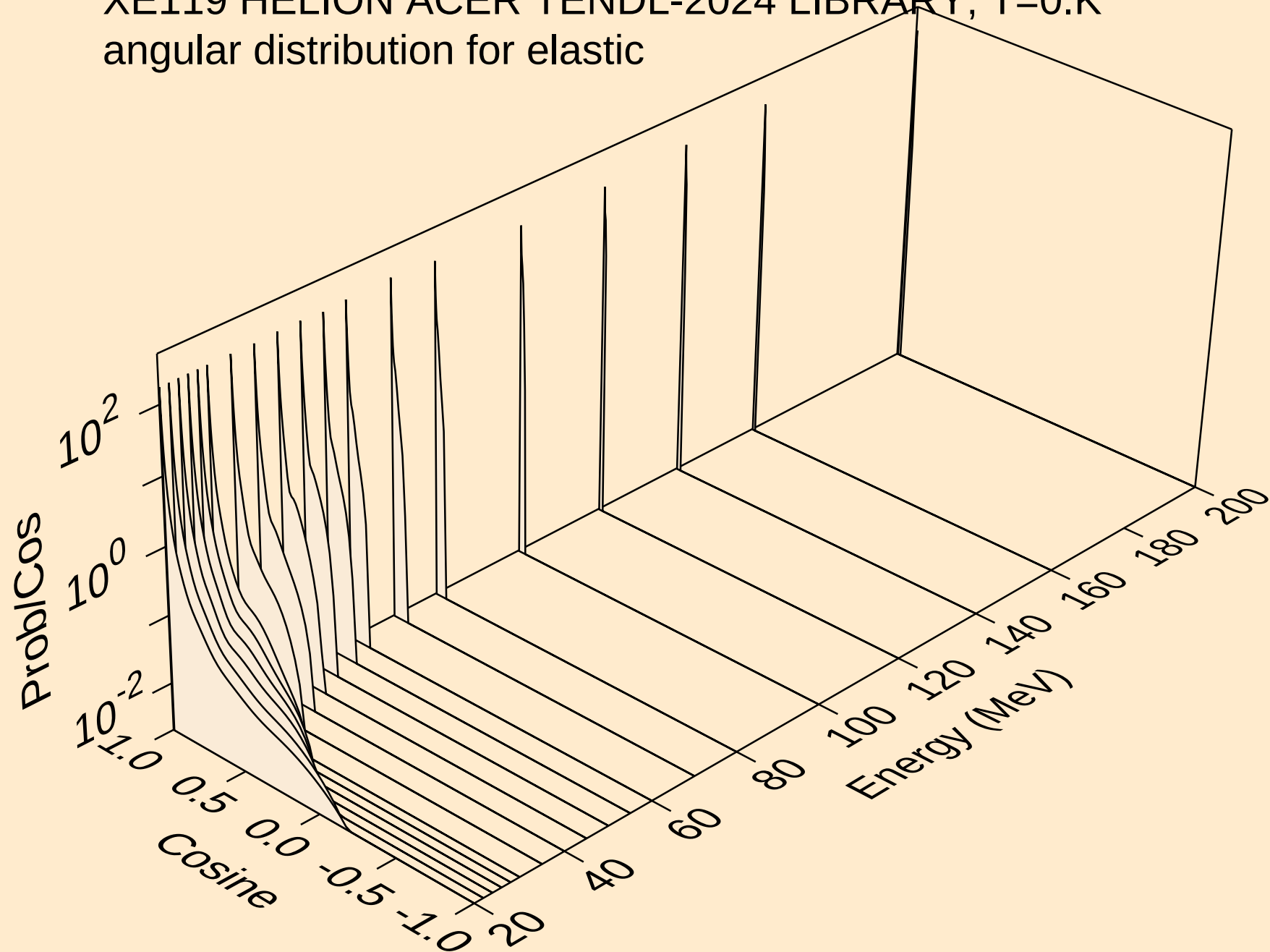
Threshold reactions



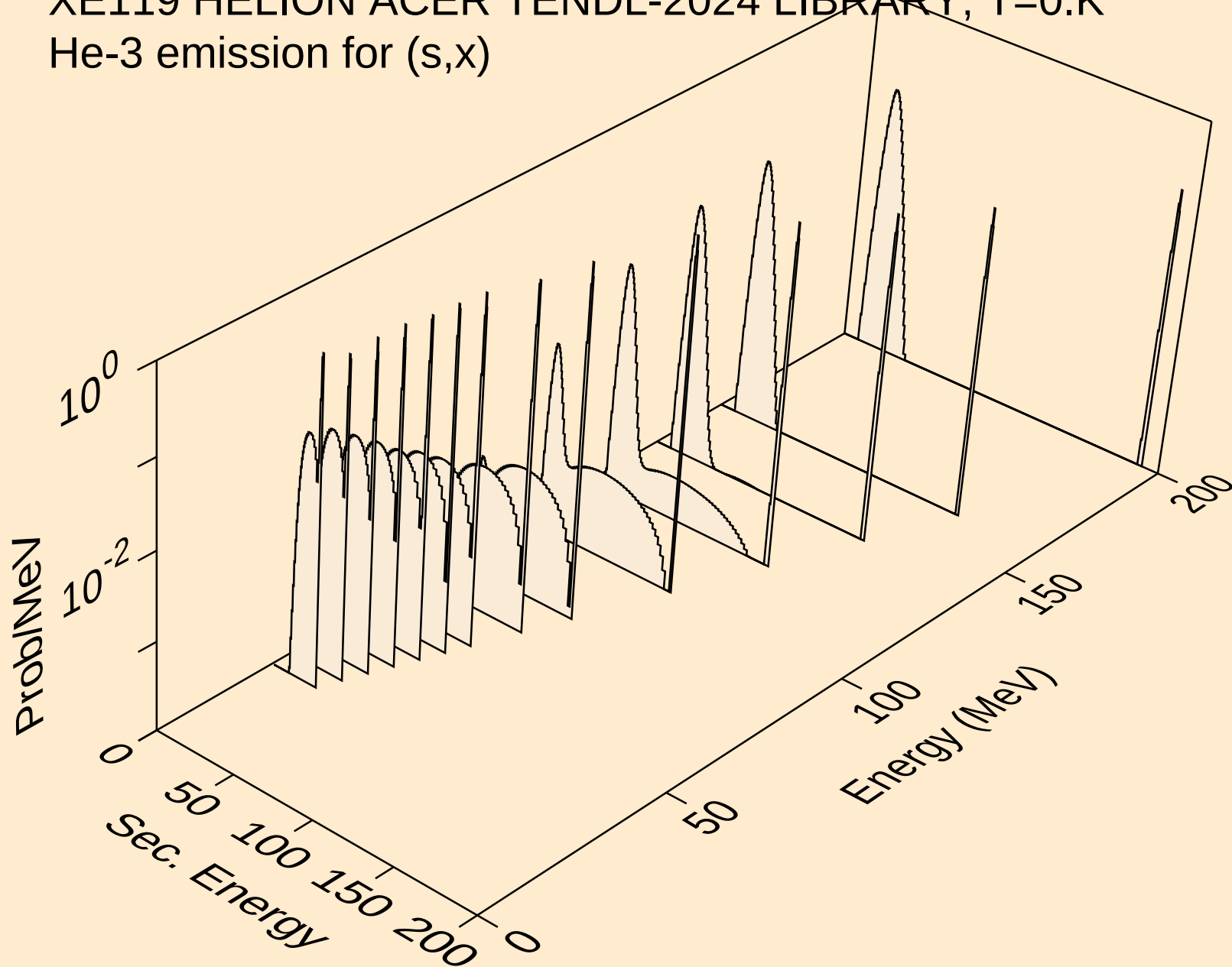
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



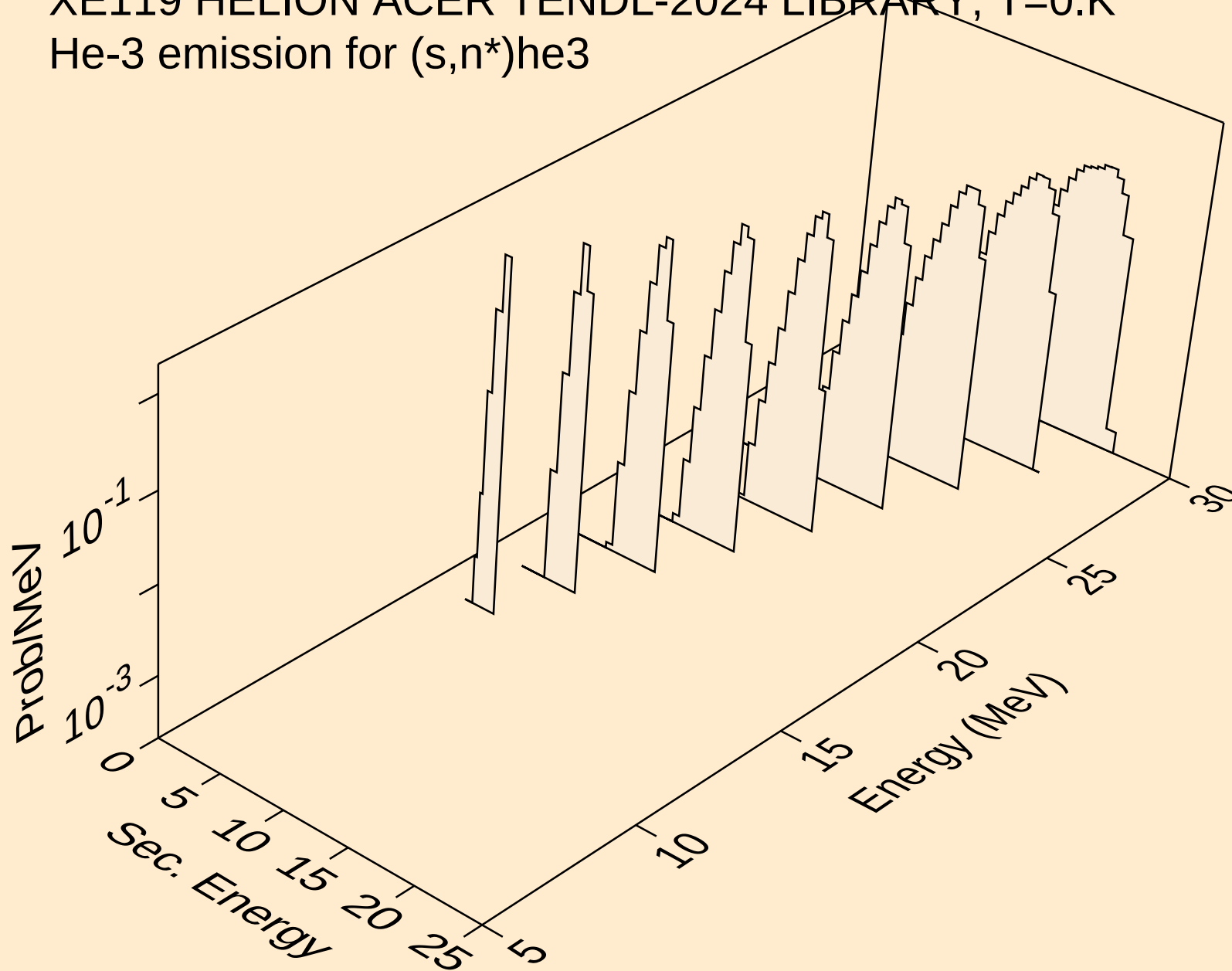
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



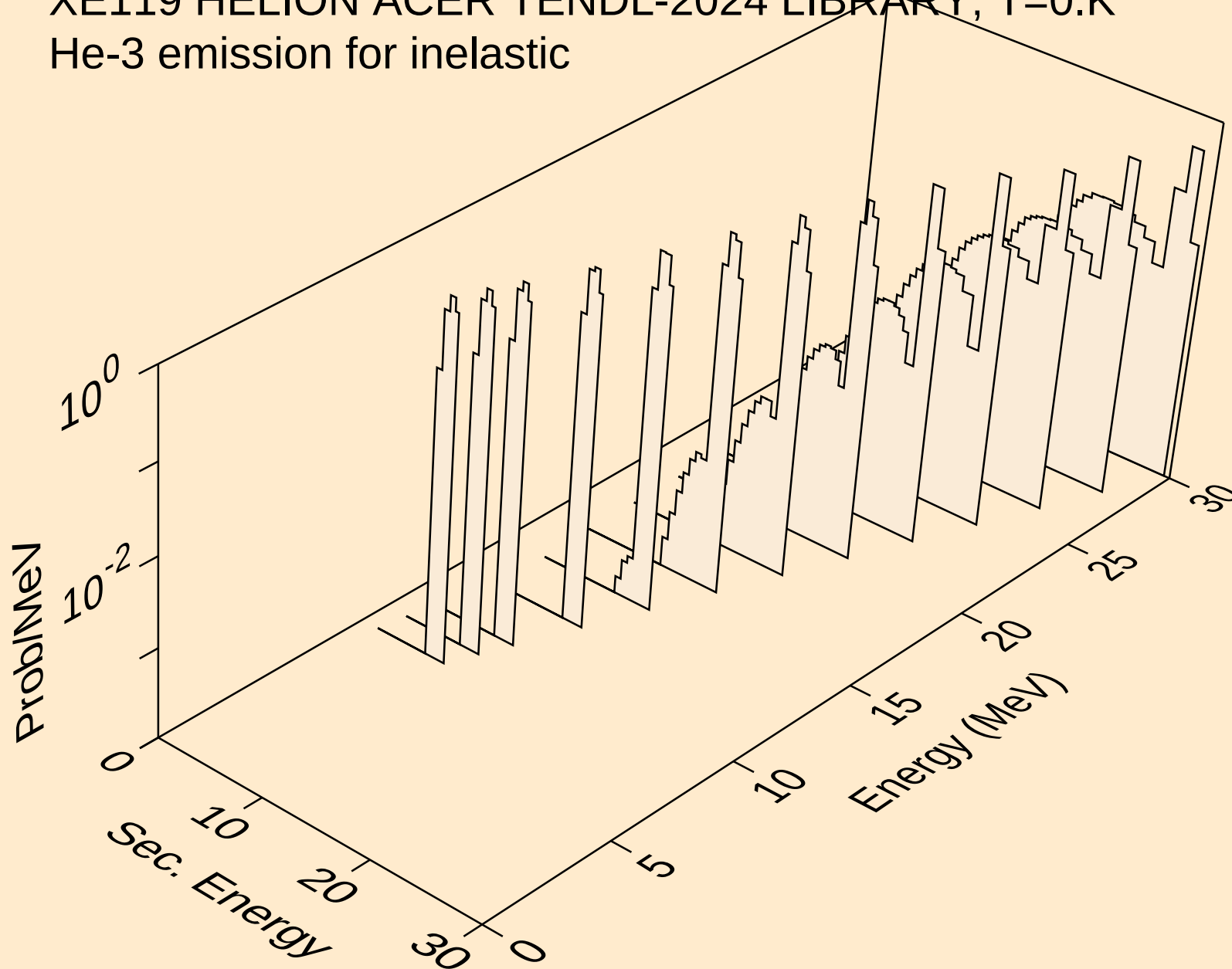
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for (s,x)



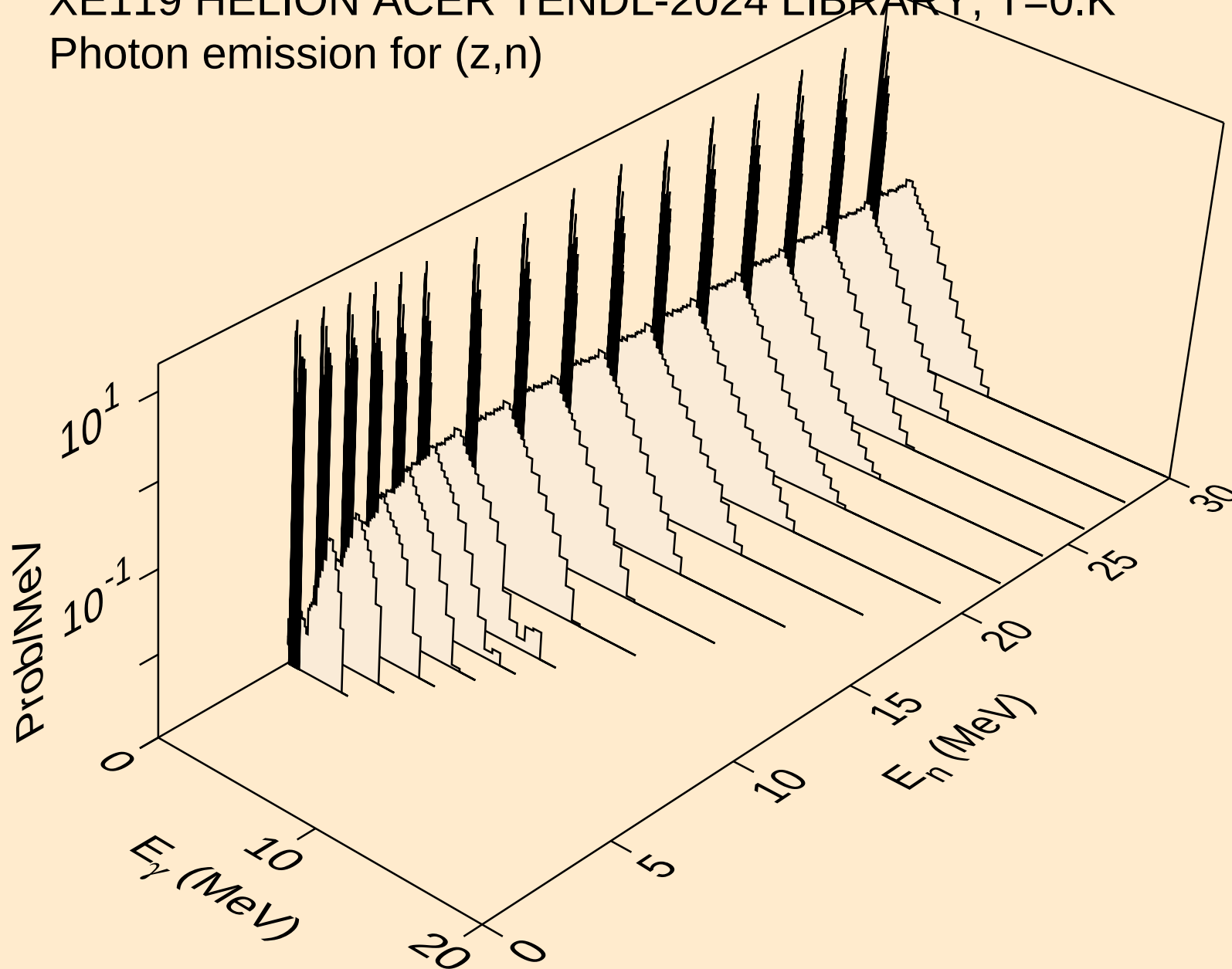
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
He-3 emission for inelastic

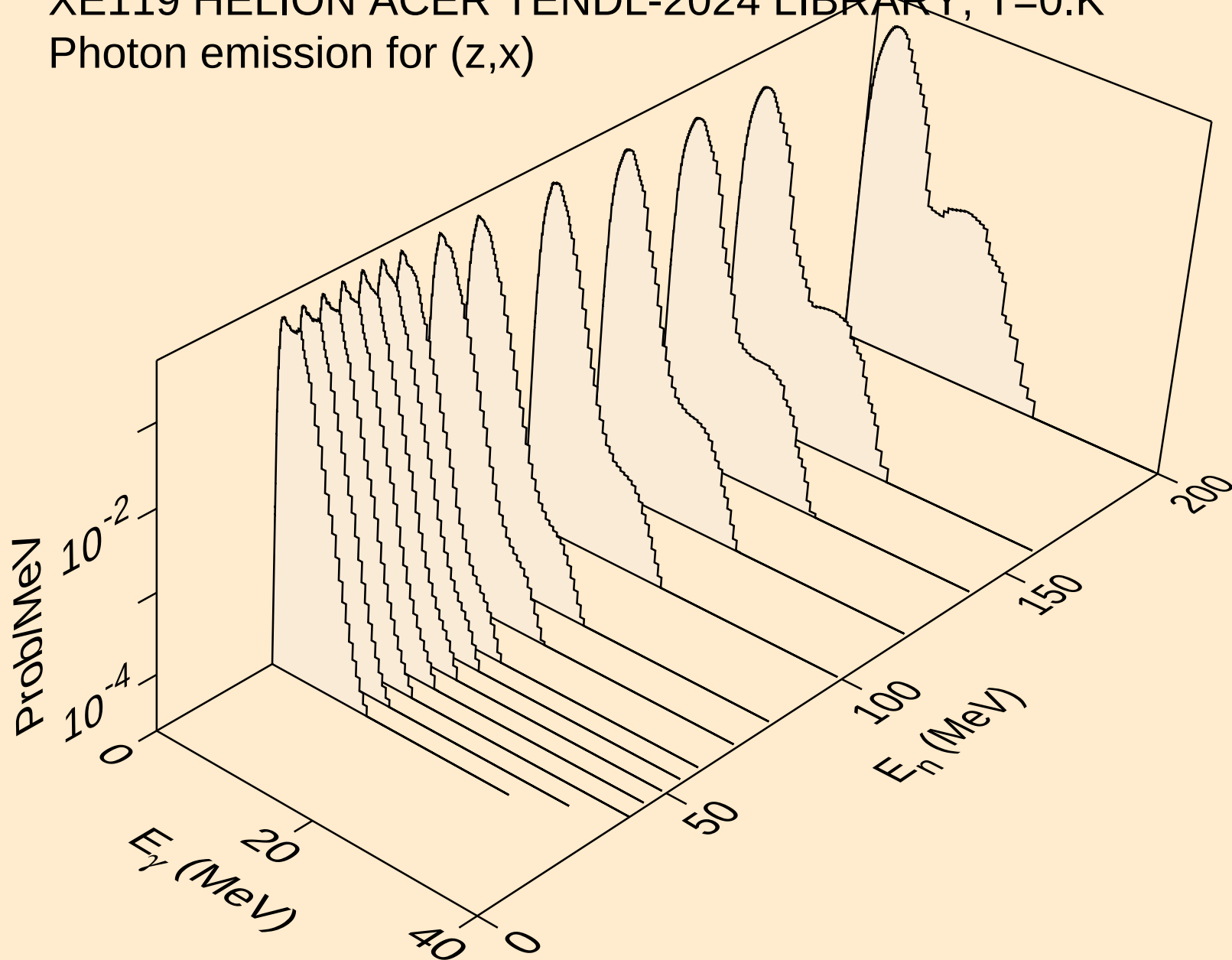


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,n)

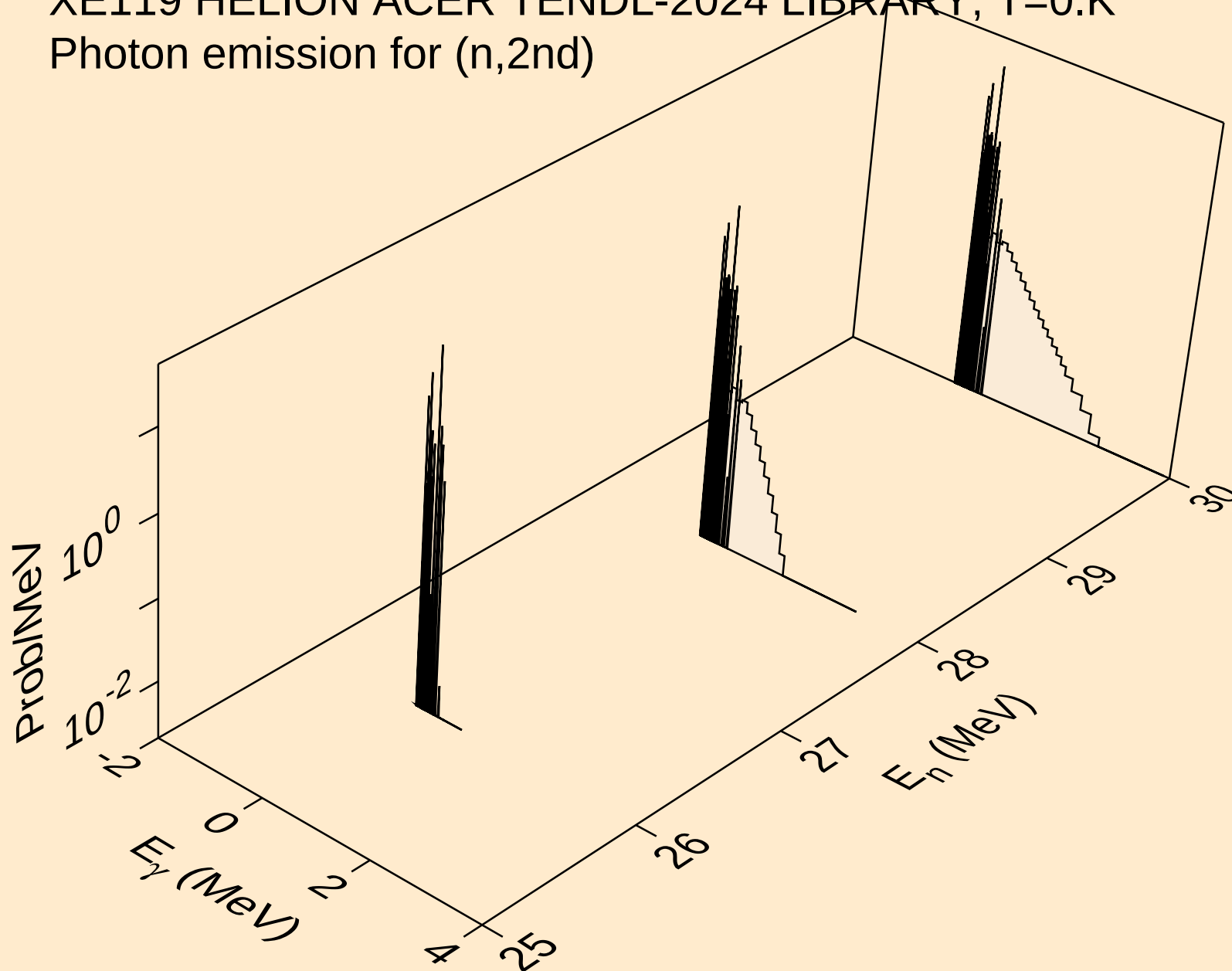


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

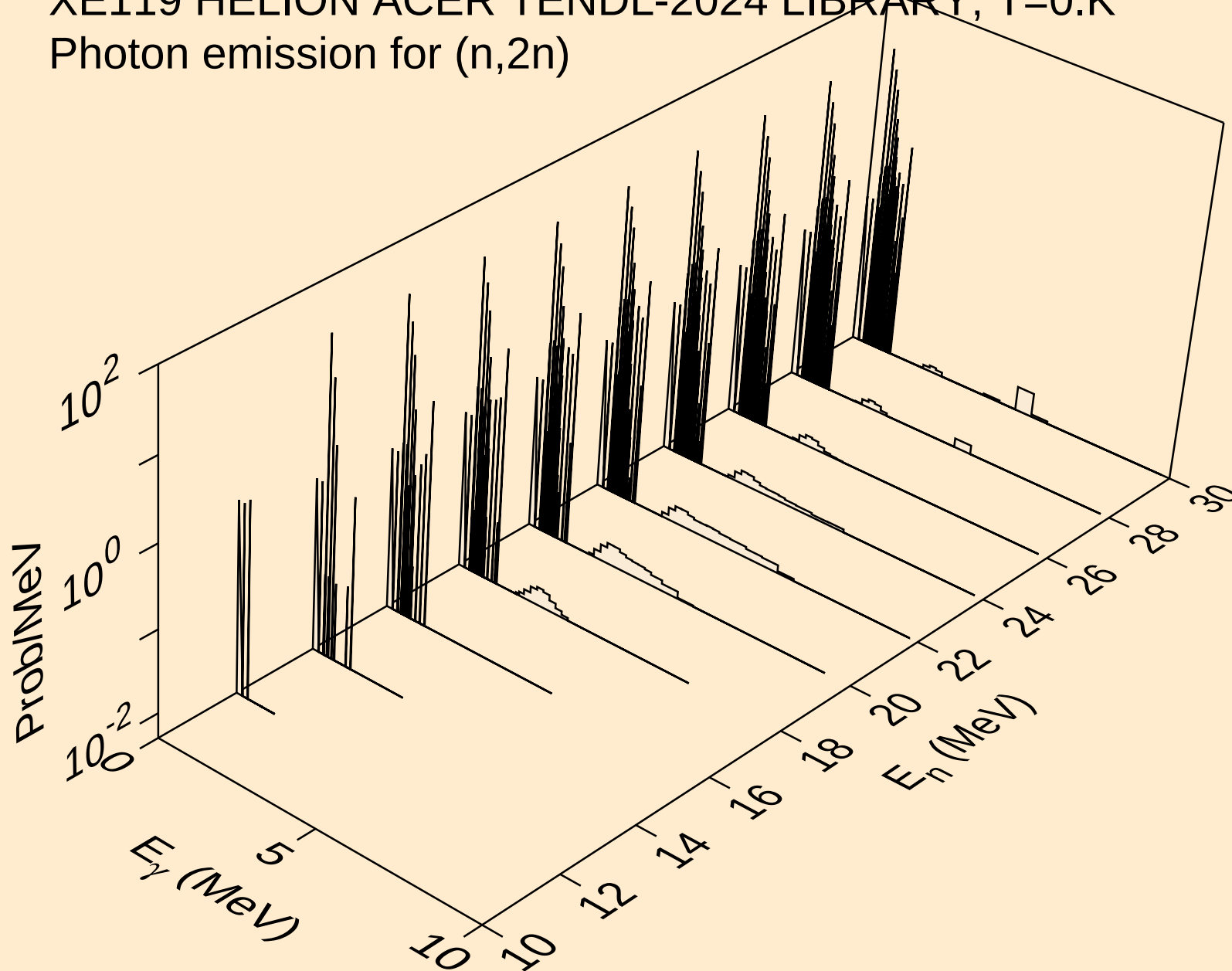
Photon emission for (z,x)



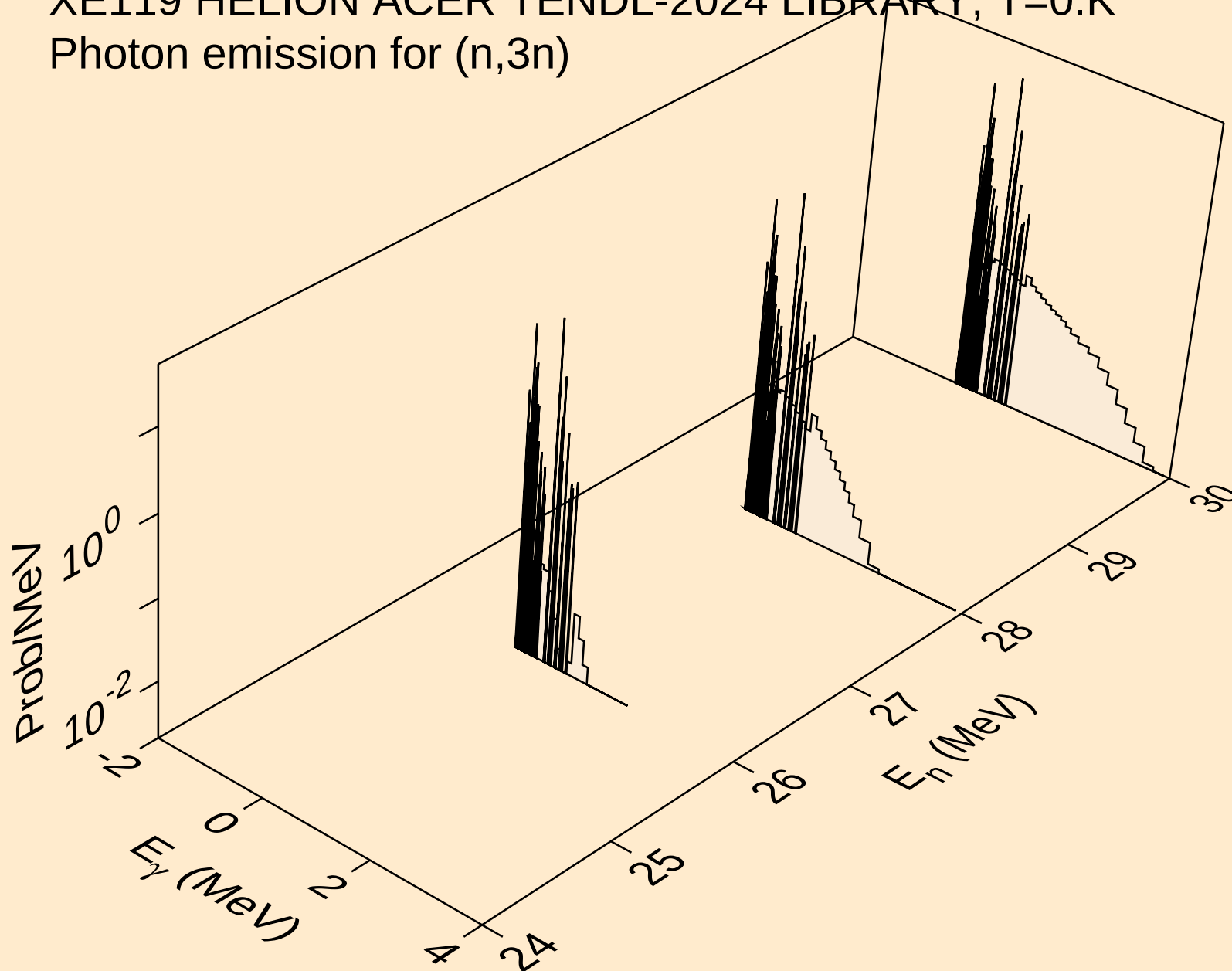
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



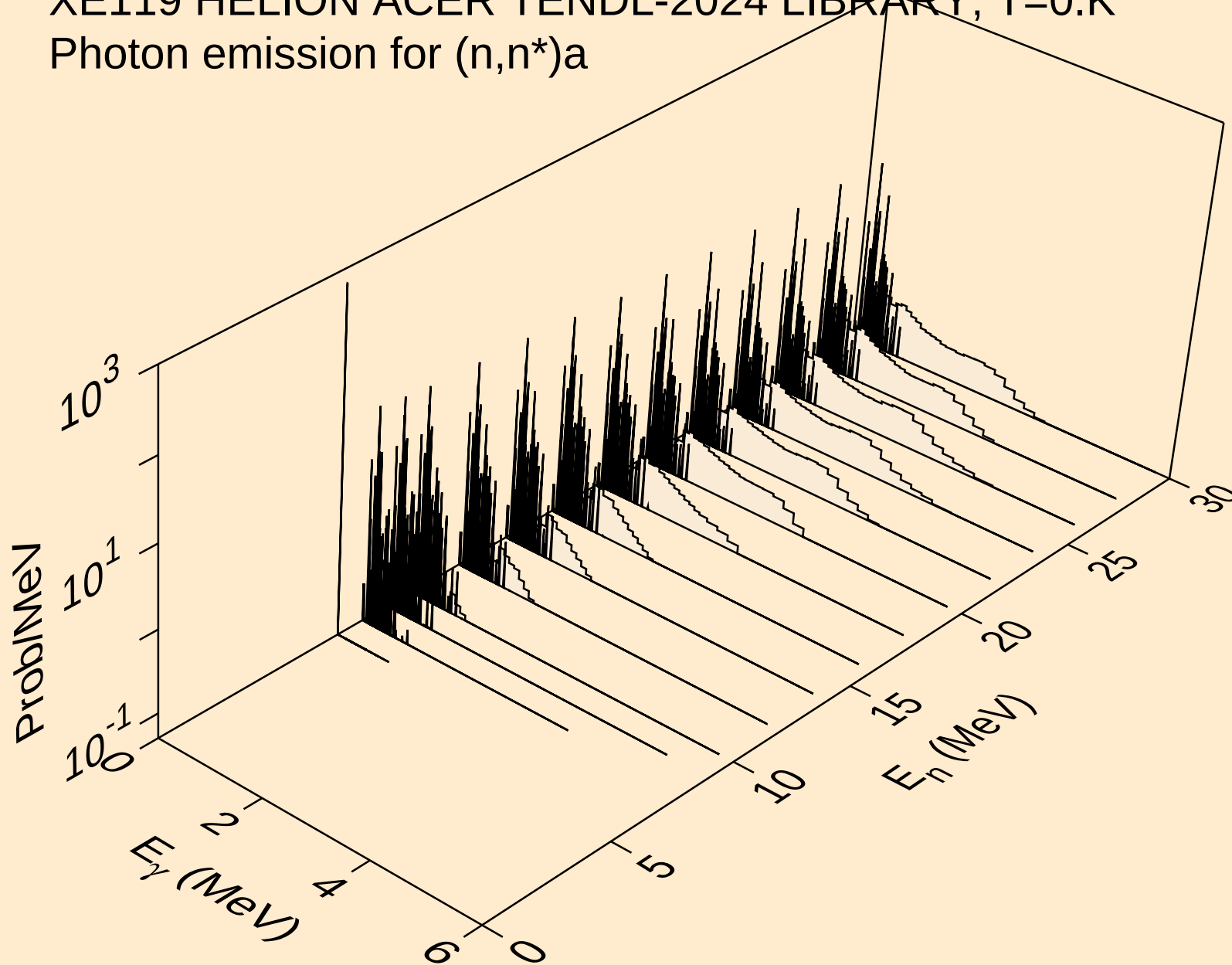
XE119 HELION ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2n)



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)

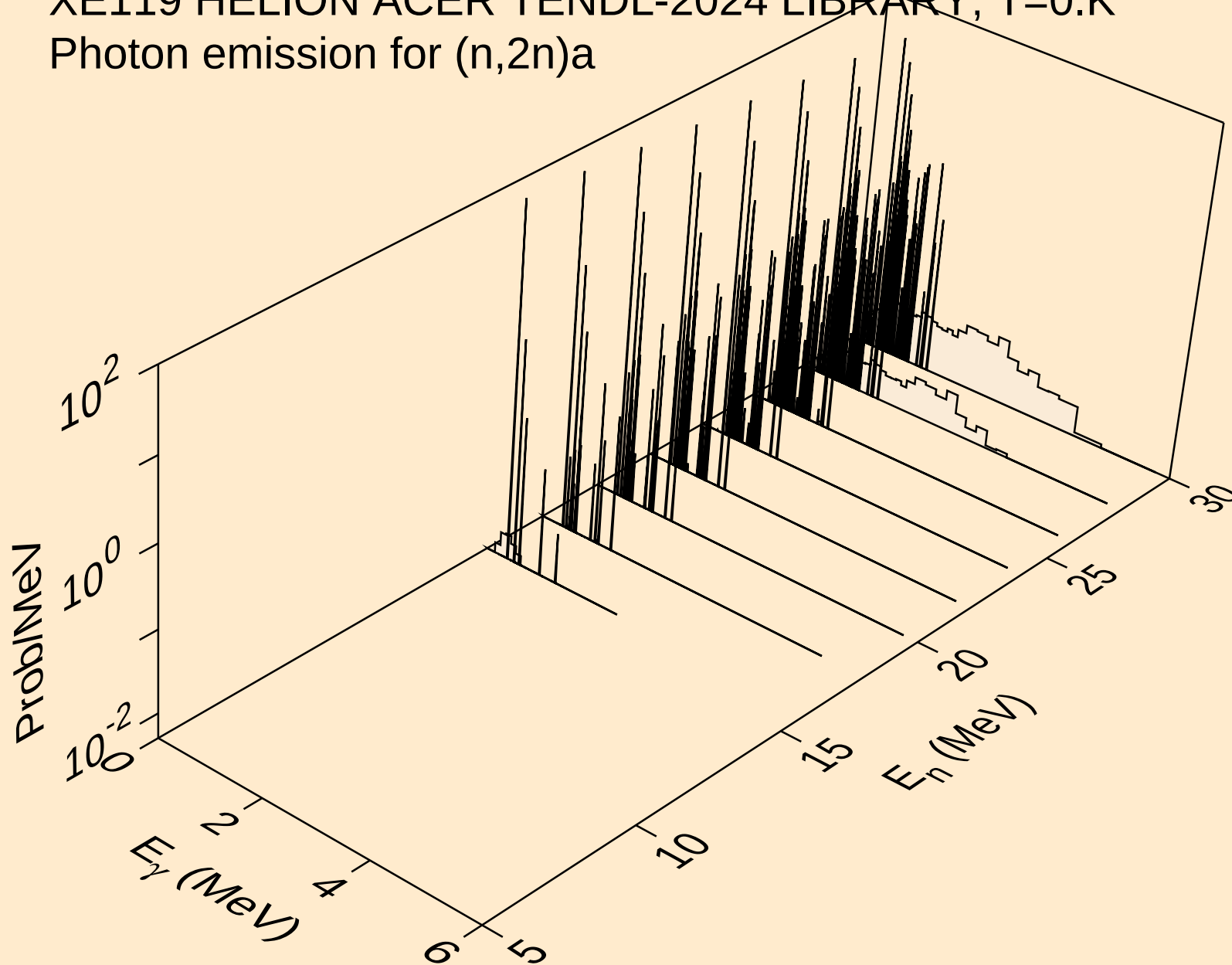


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)a

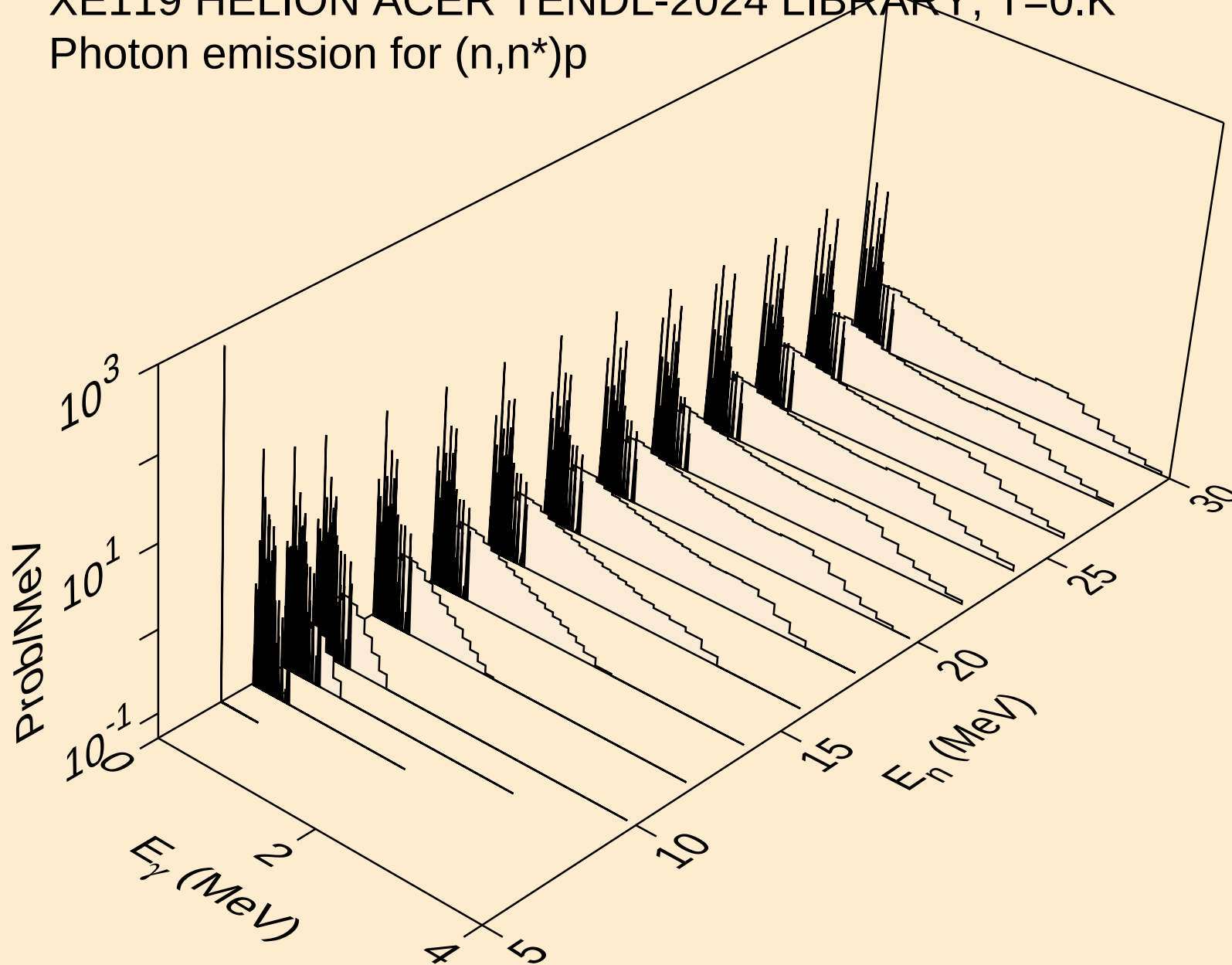


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

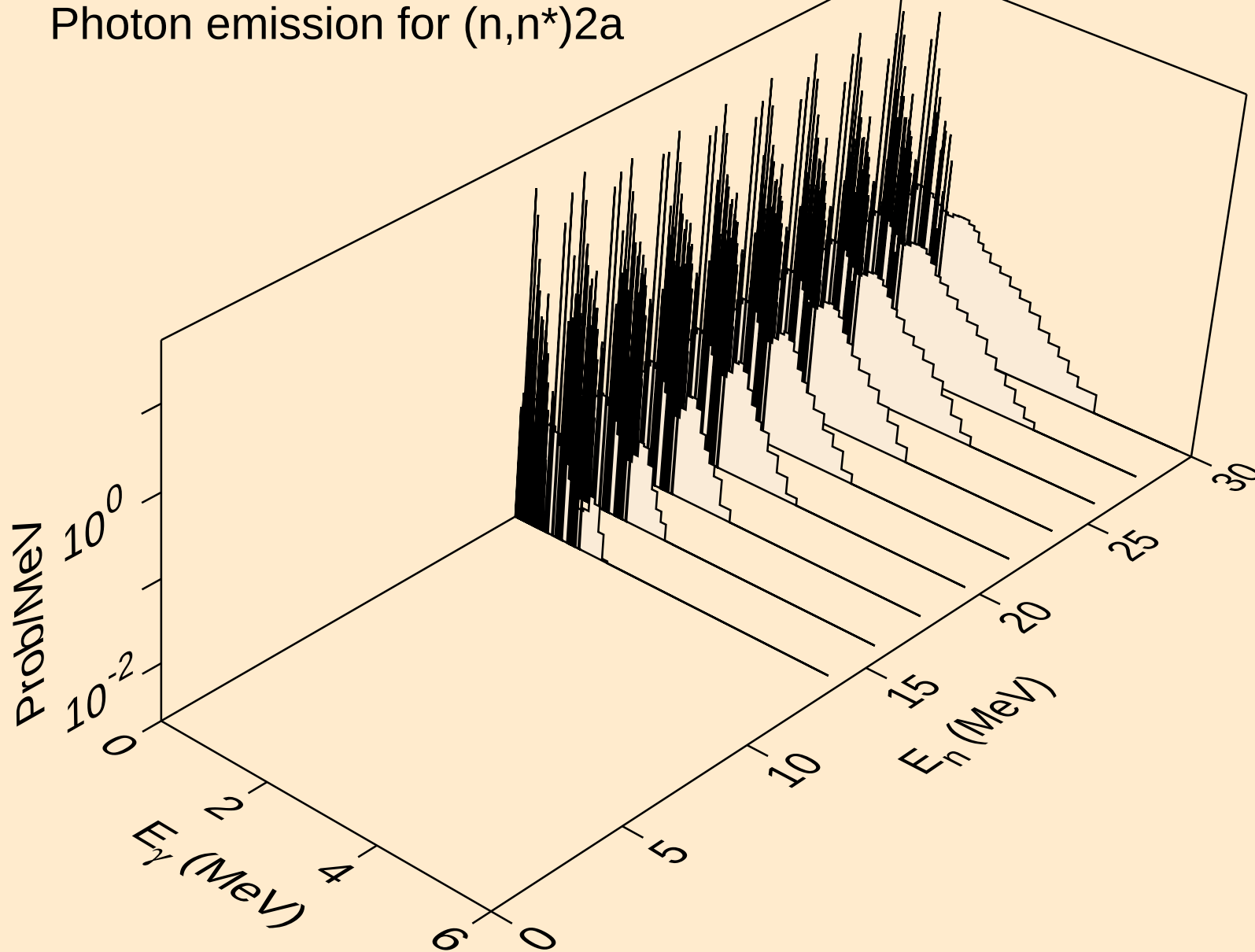
Photon emission for (n,2n) α



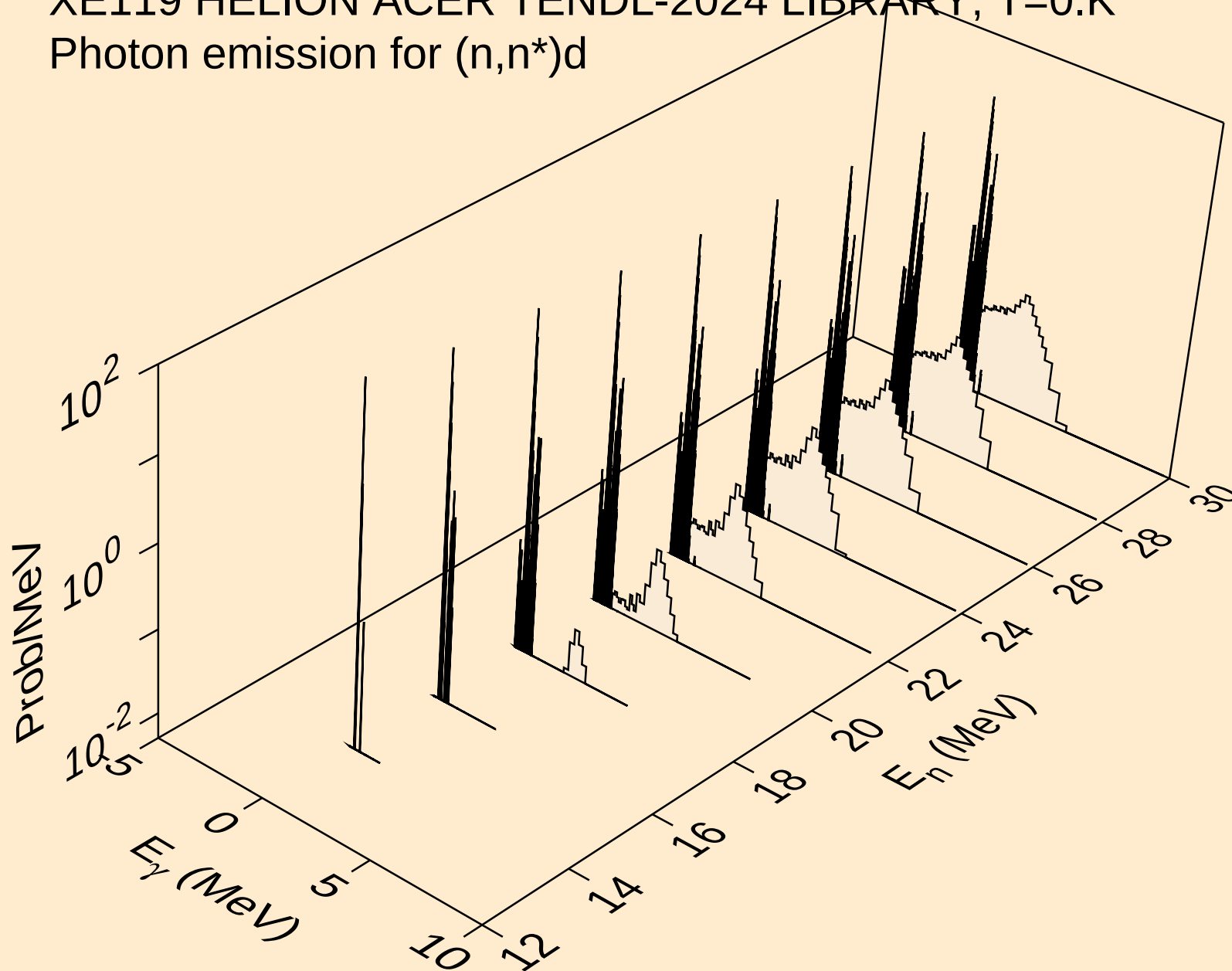
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)p



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)2a

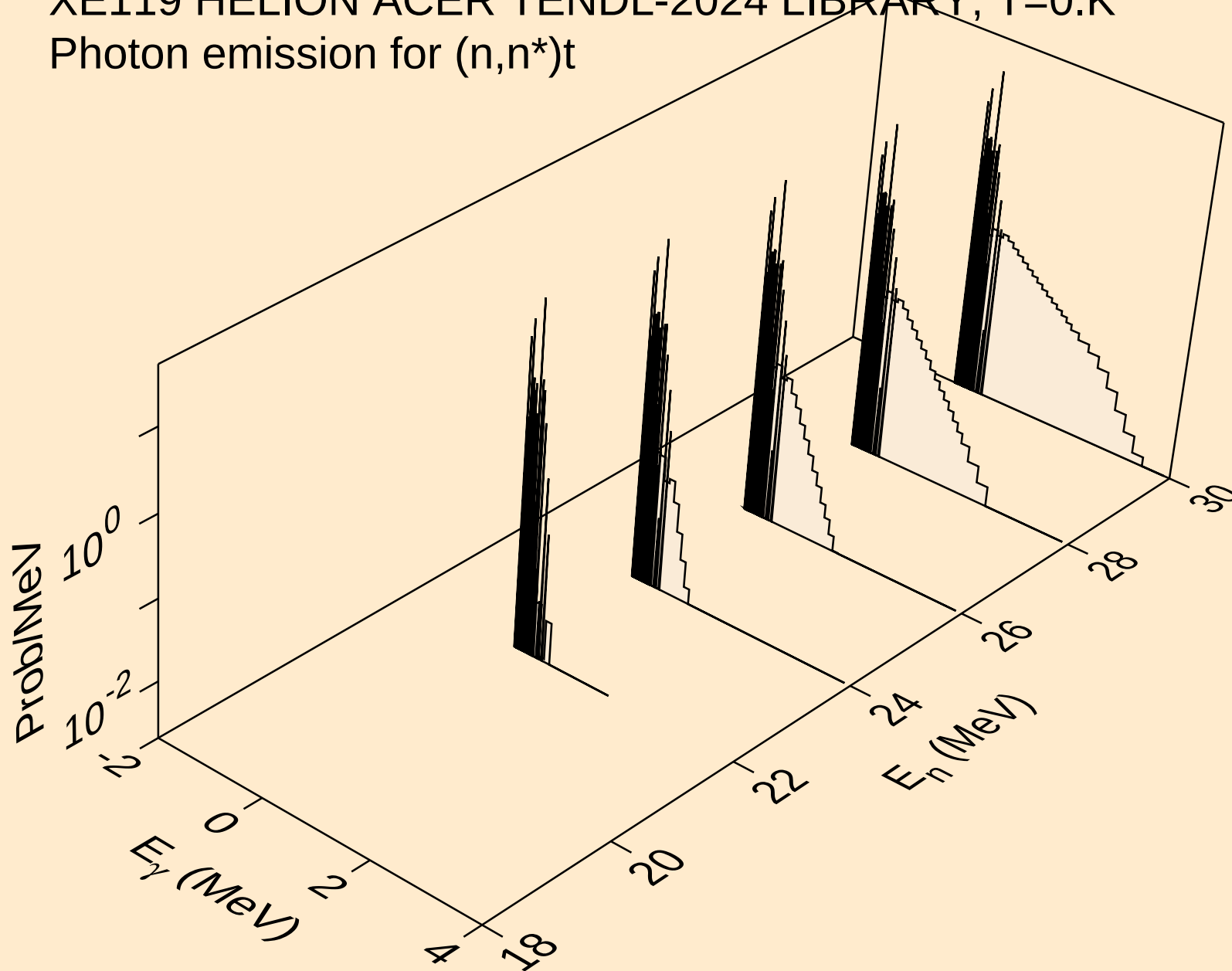


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d

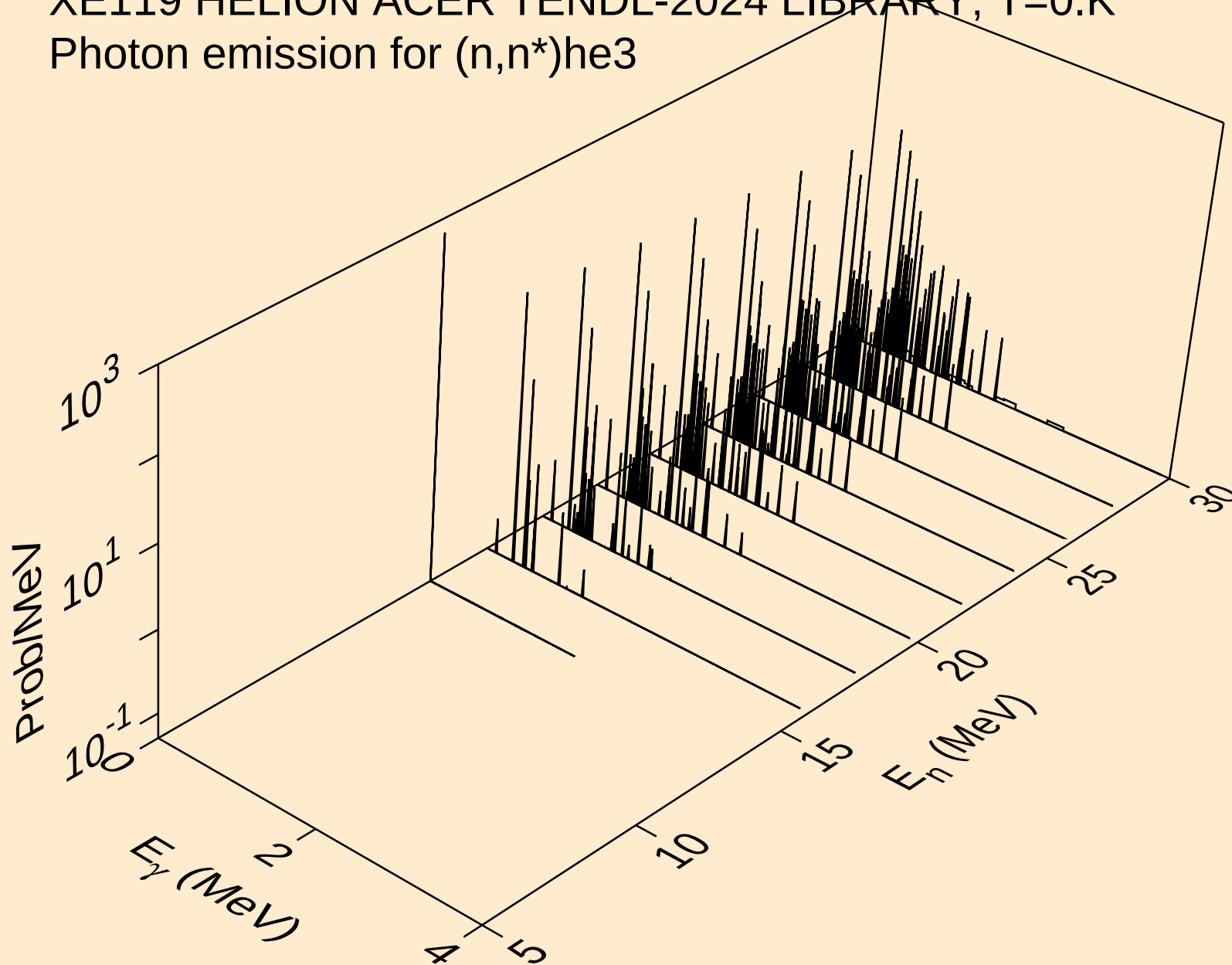


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

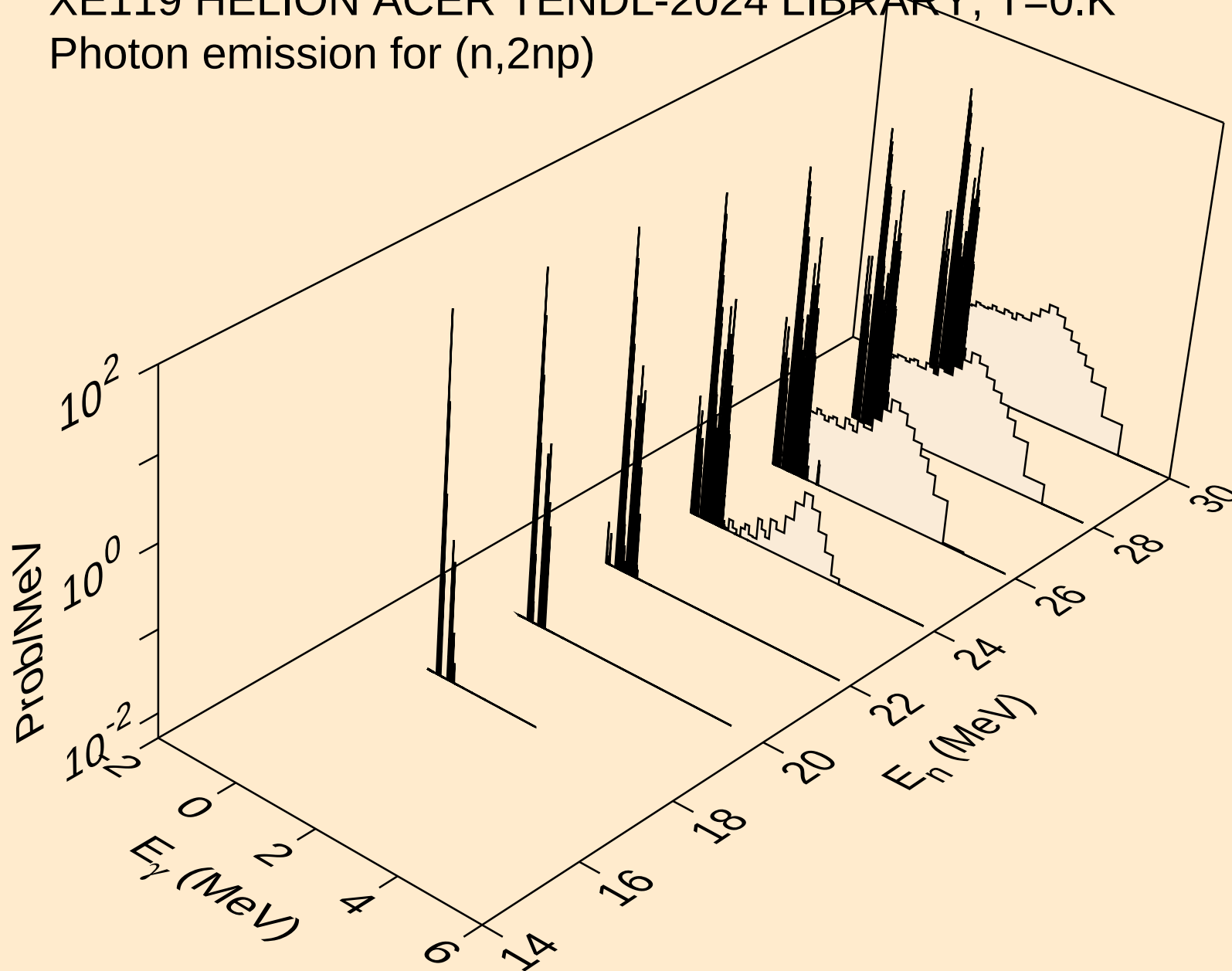
Photon emission for (n,n*)t



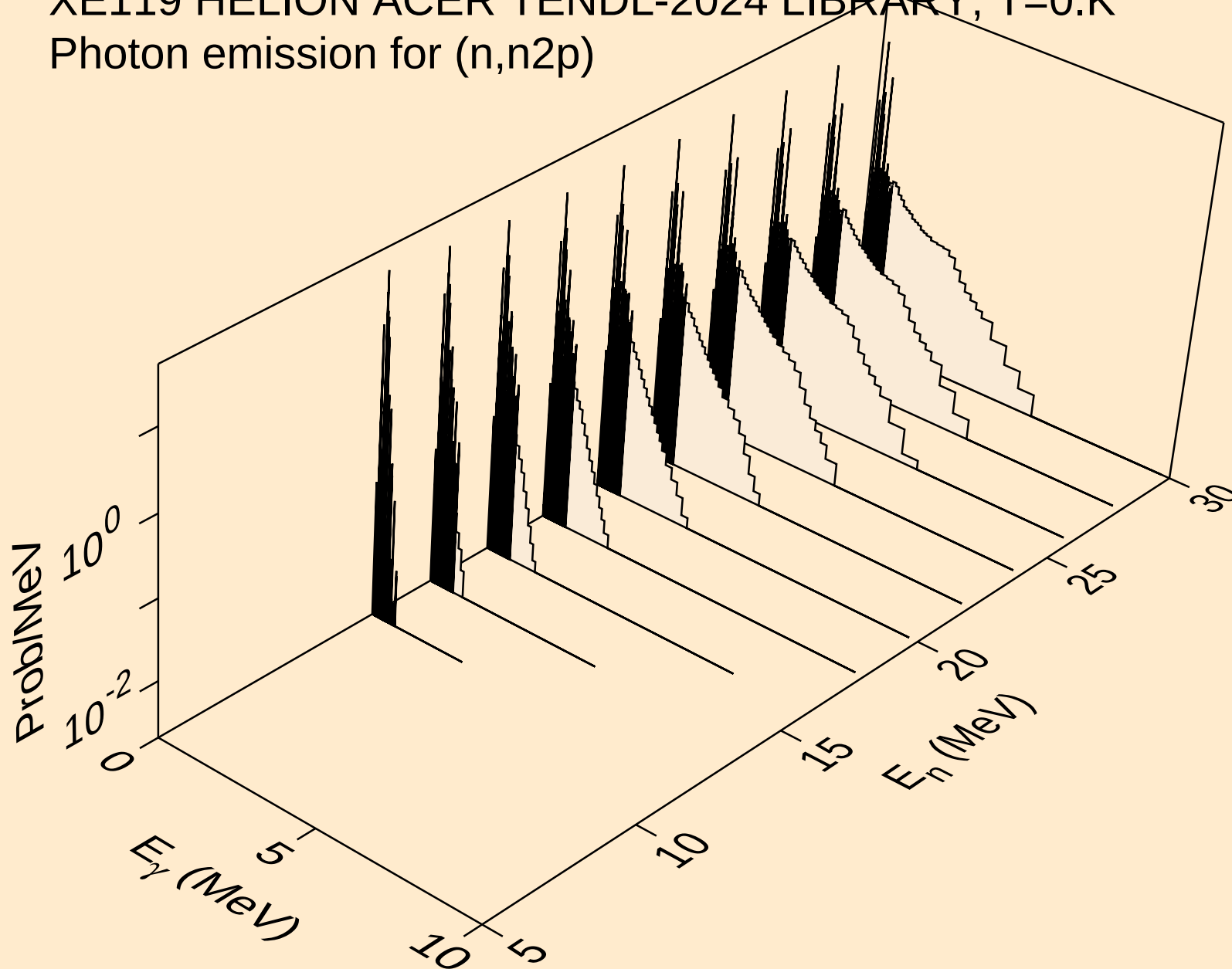
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3



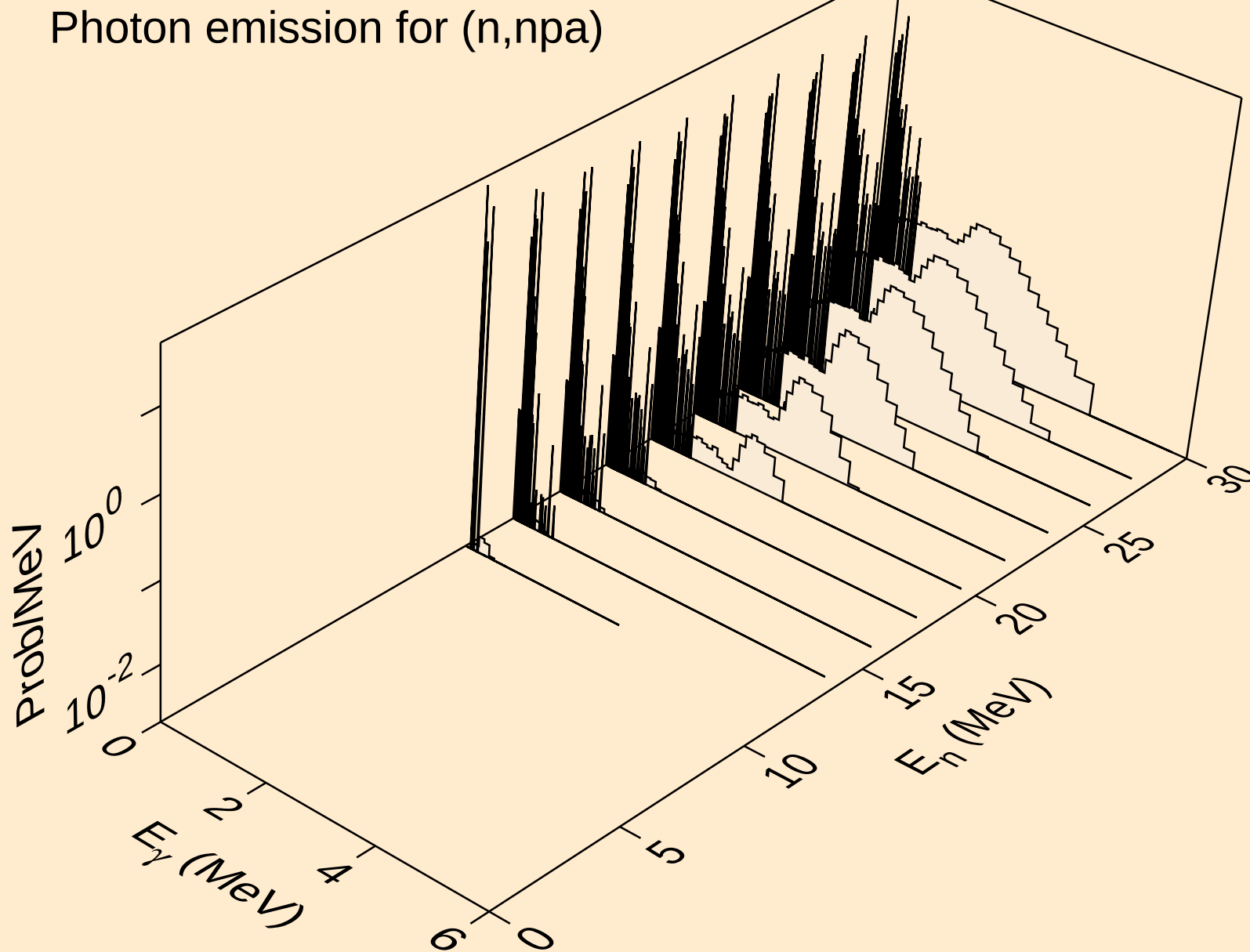
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)



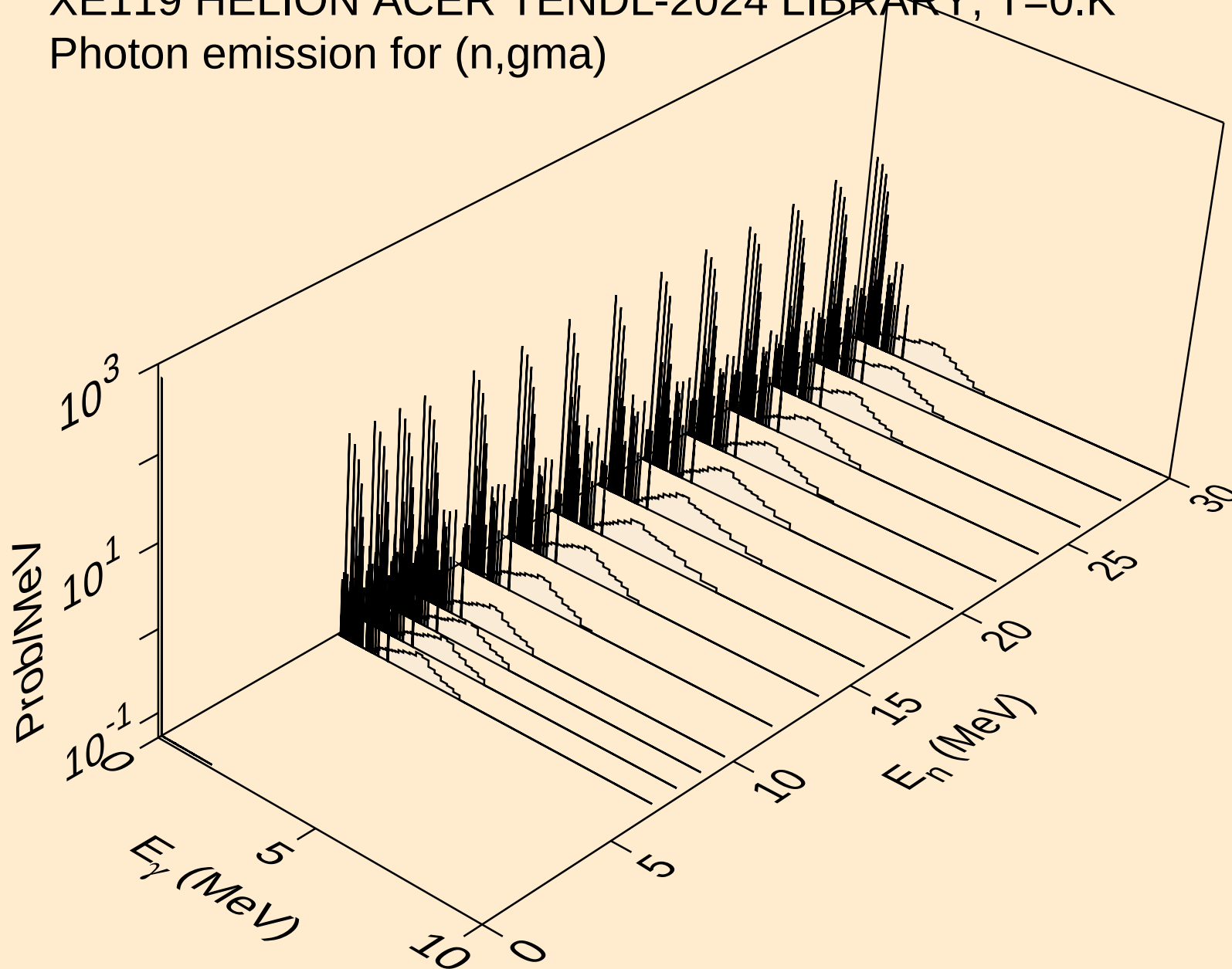
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



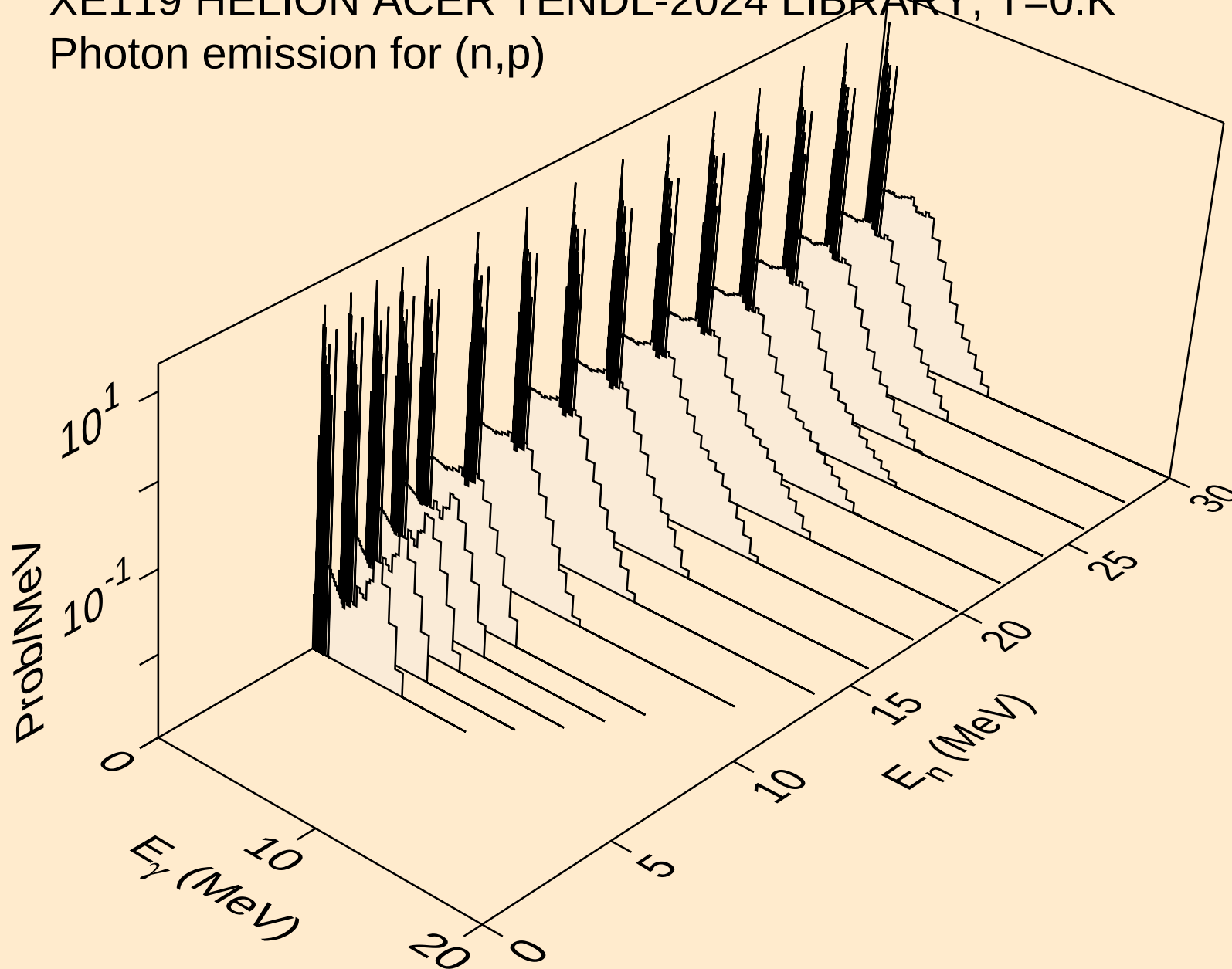
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)



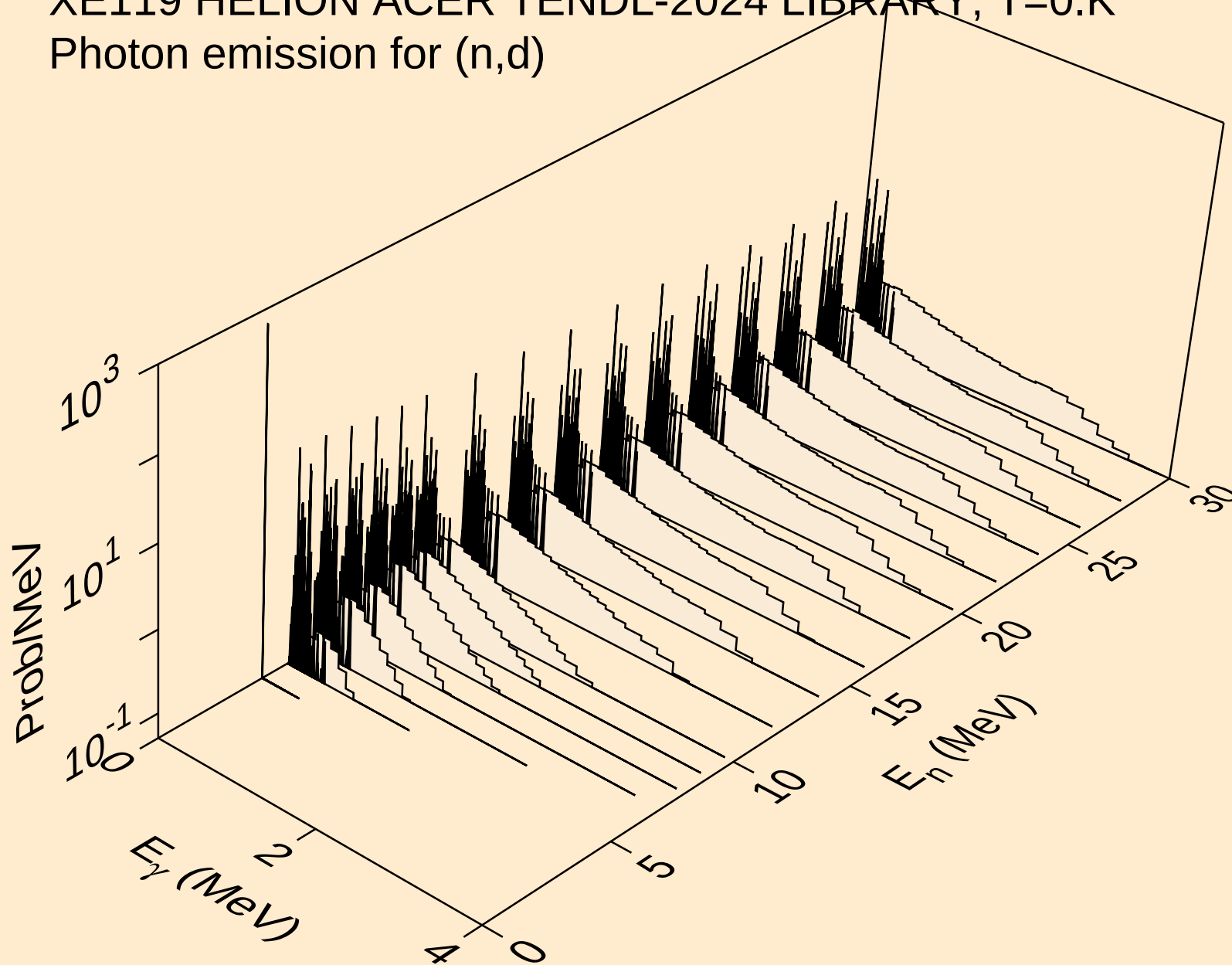
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)



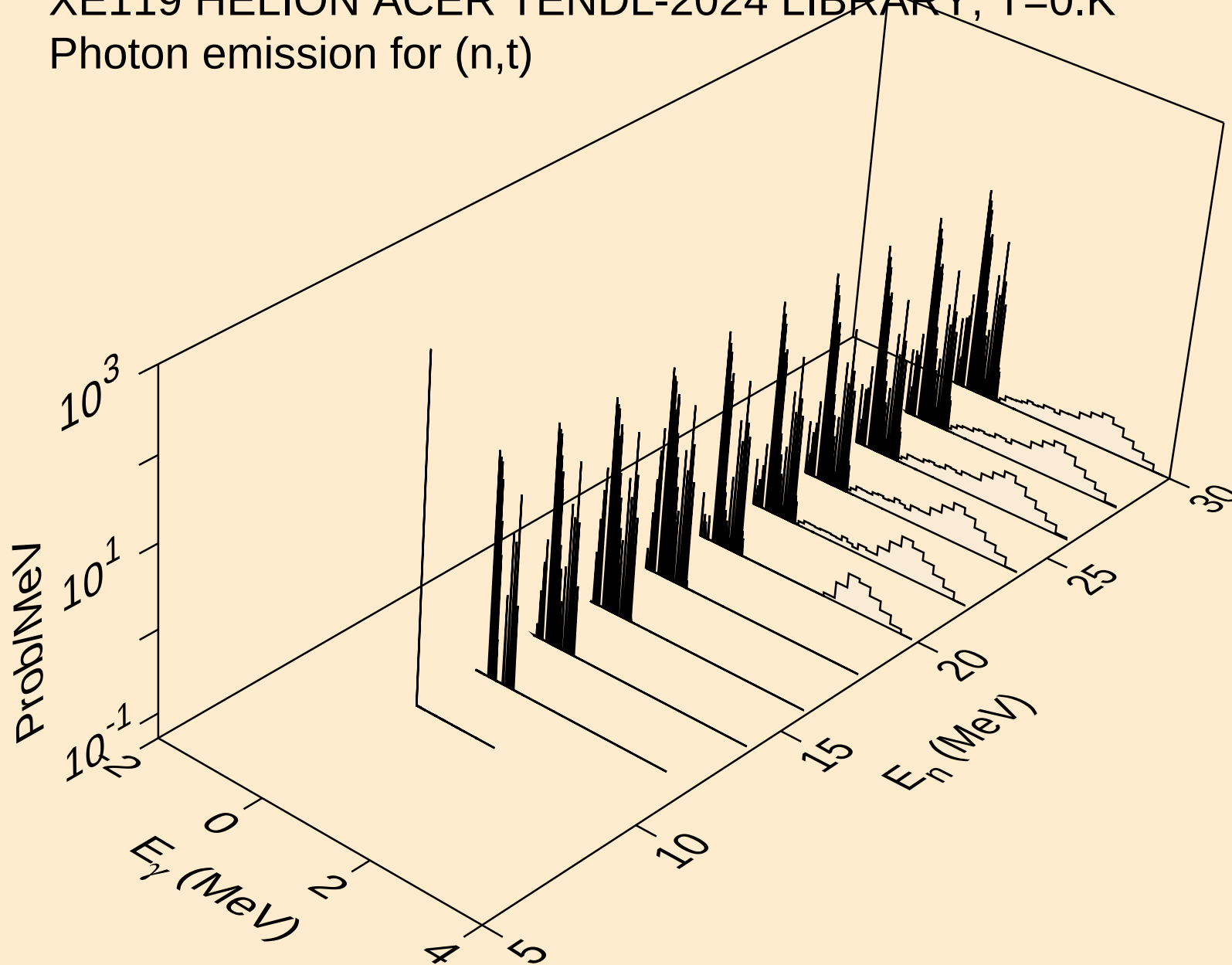
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



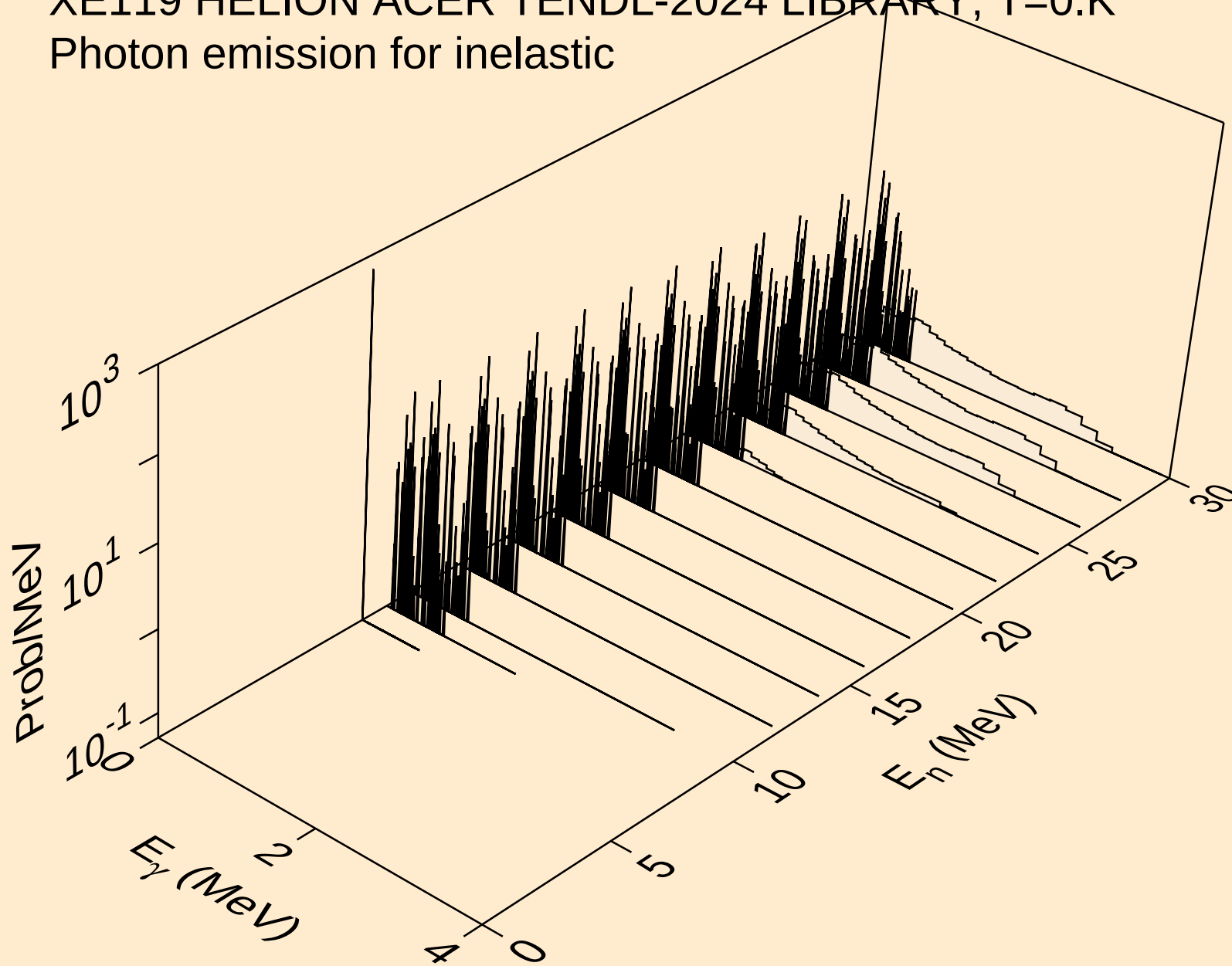
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Photon emission for (n,d)



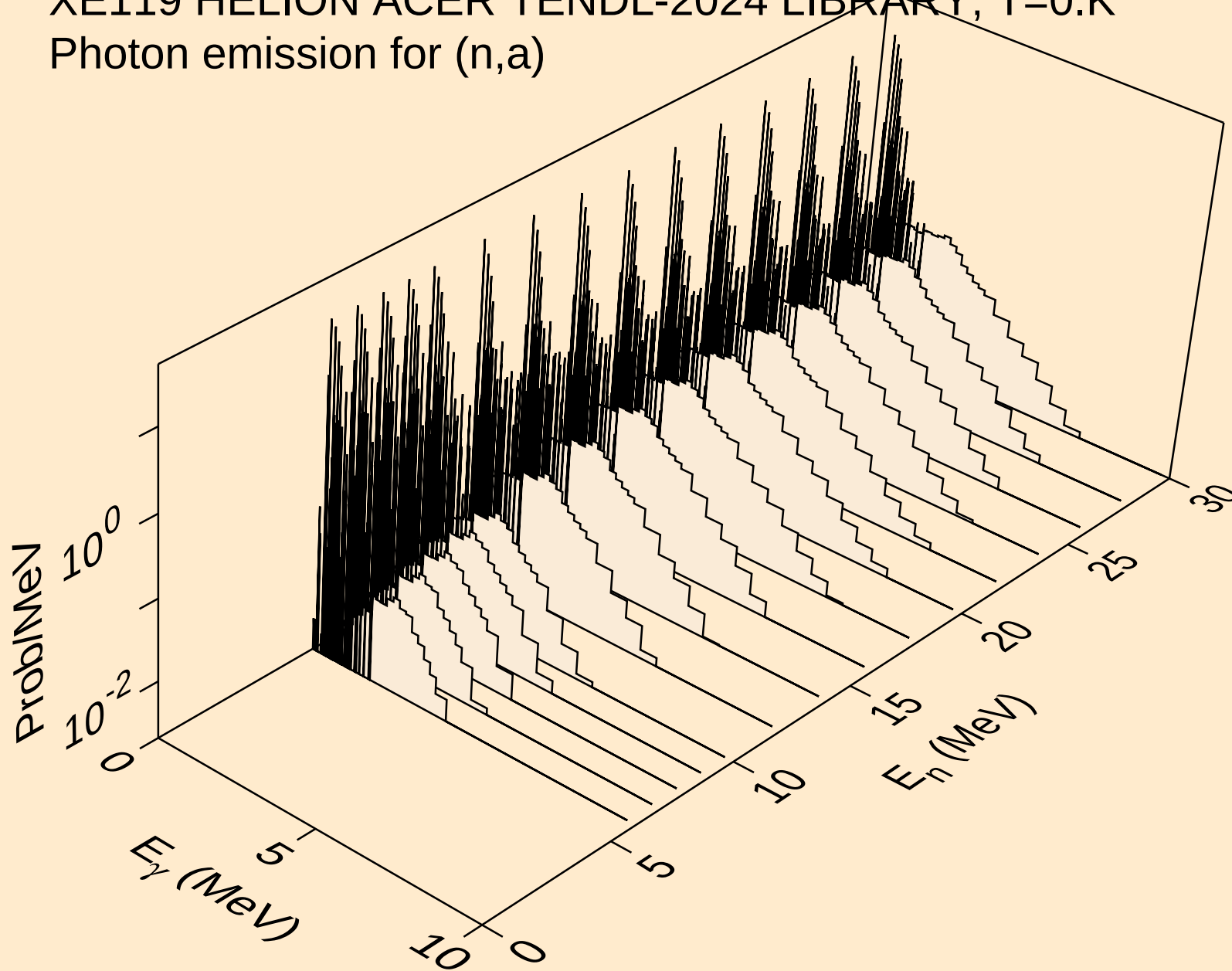
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Photon emission for (n,t)



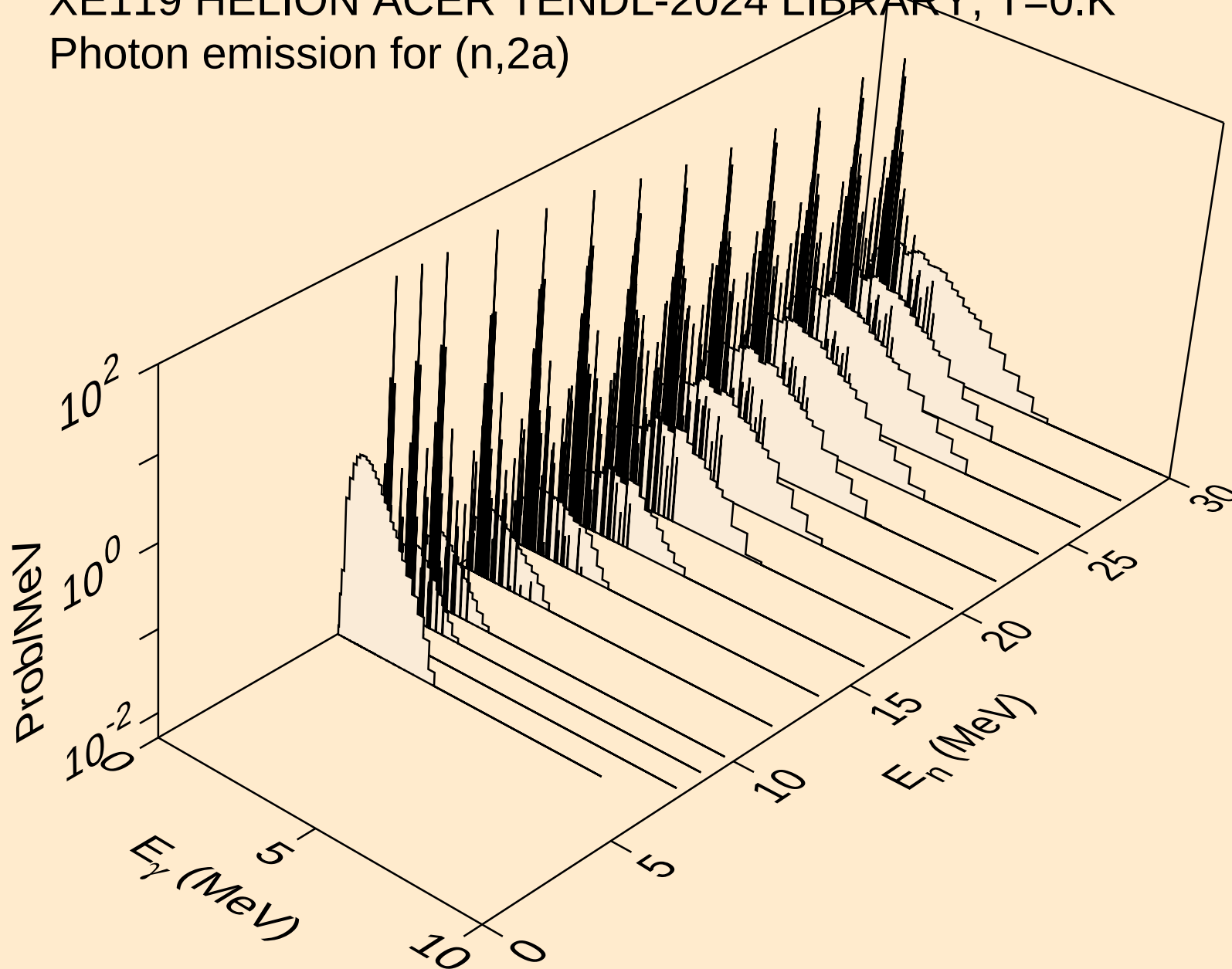
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for inelastic



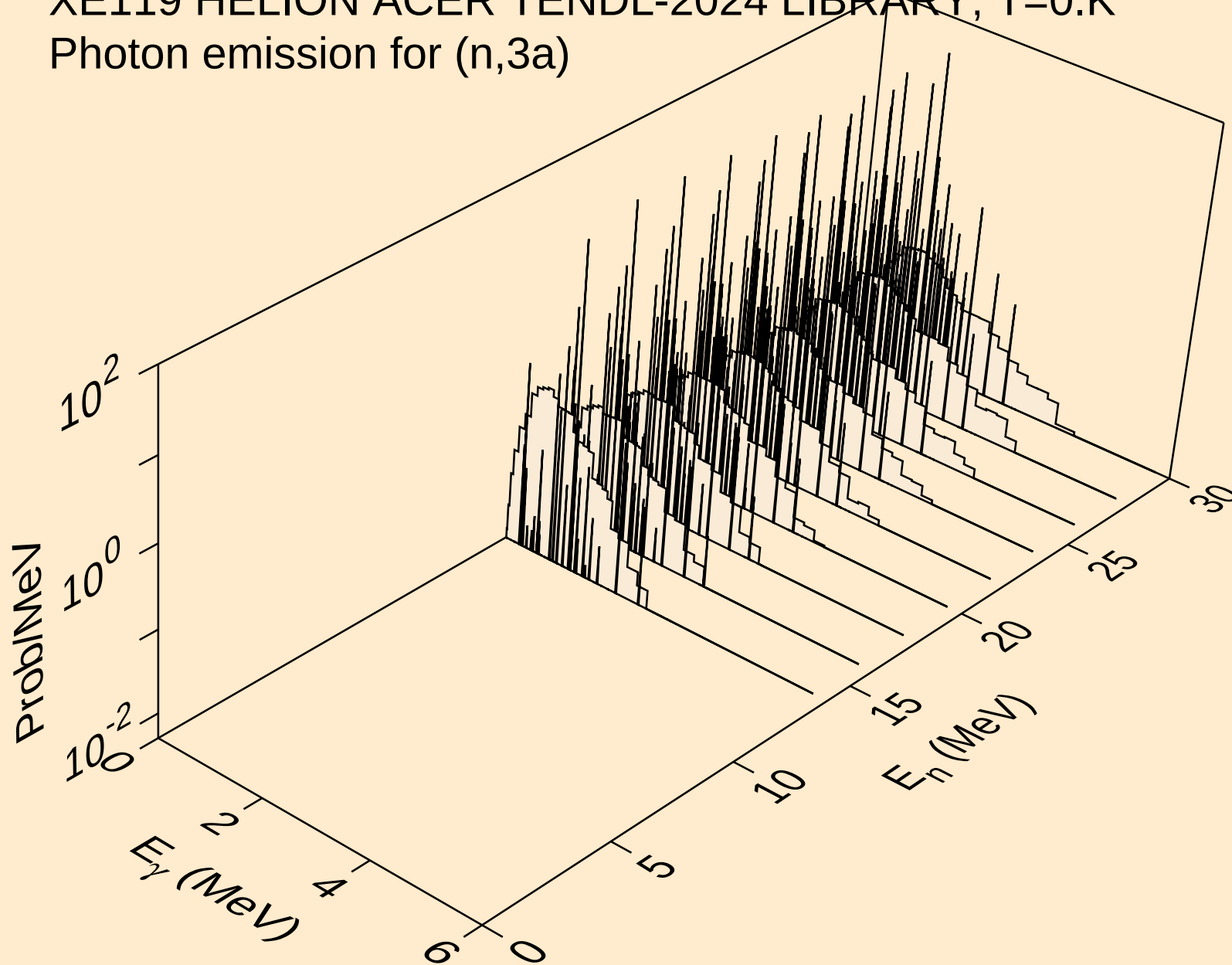
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Photon emission for (n,a)



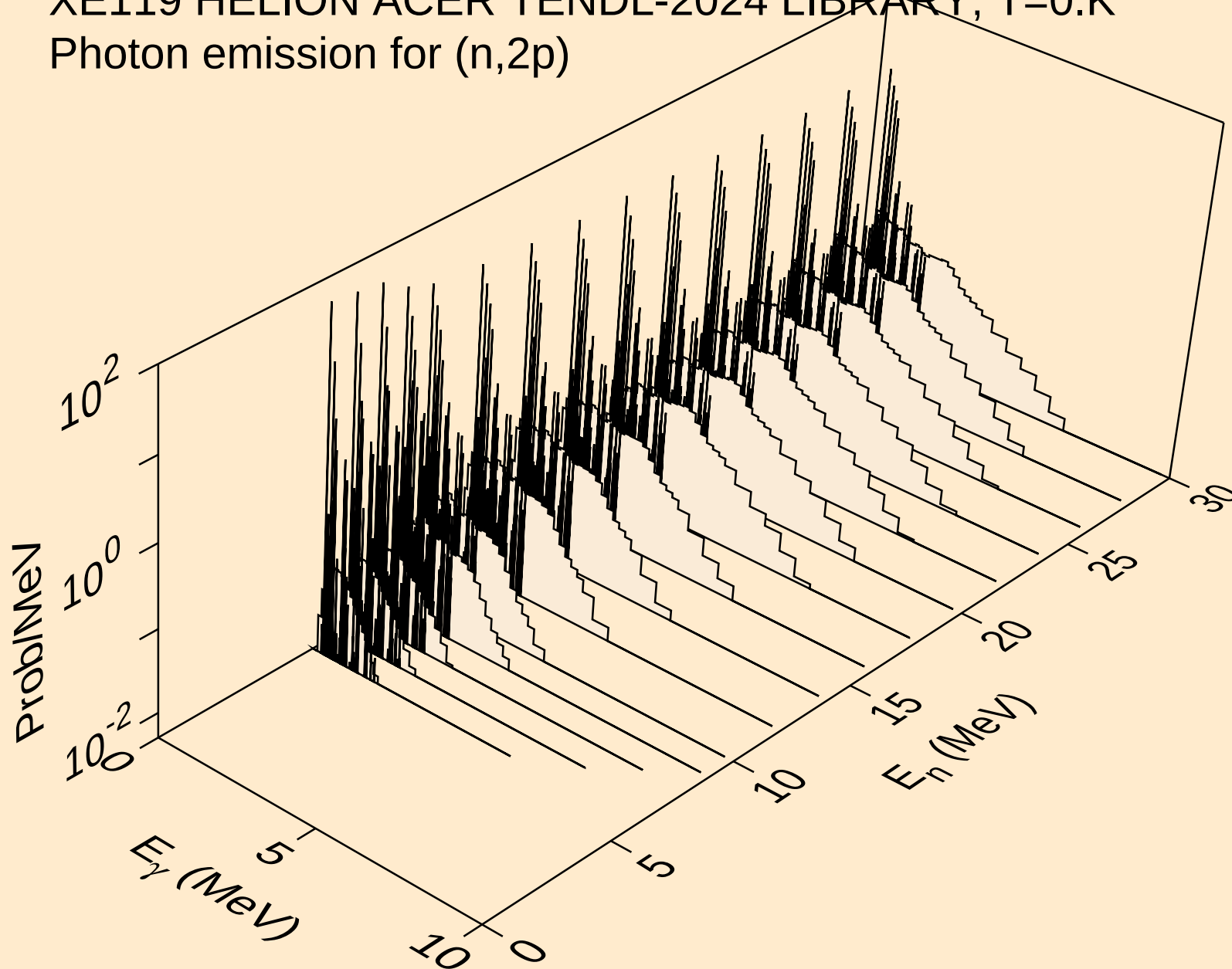
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



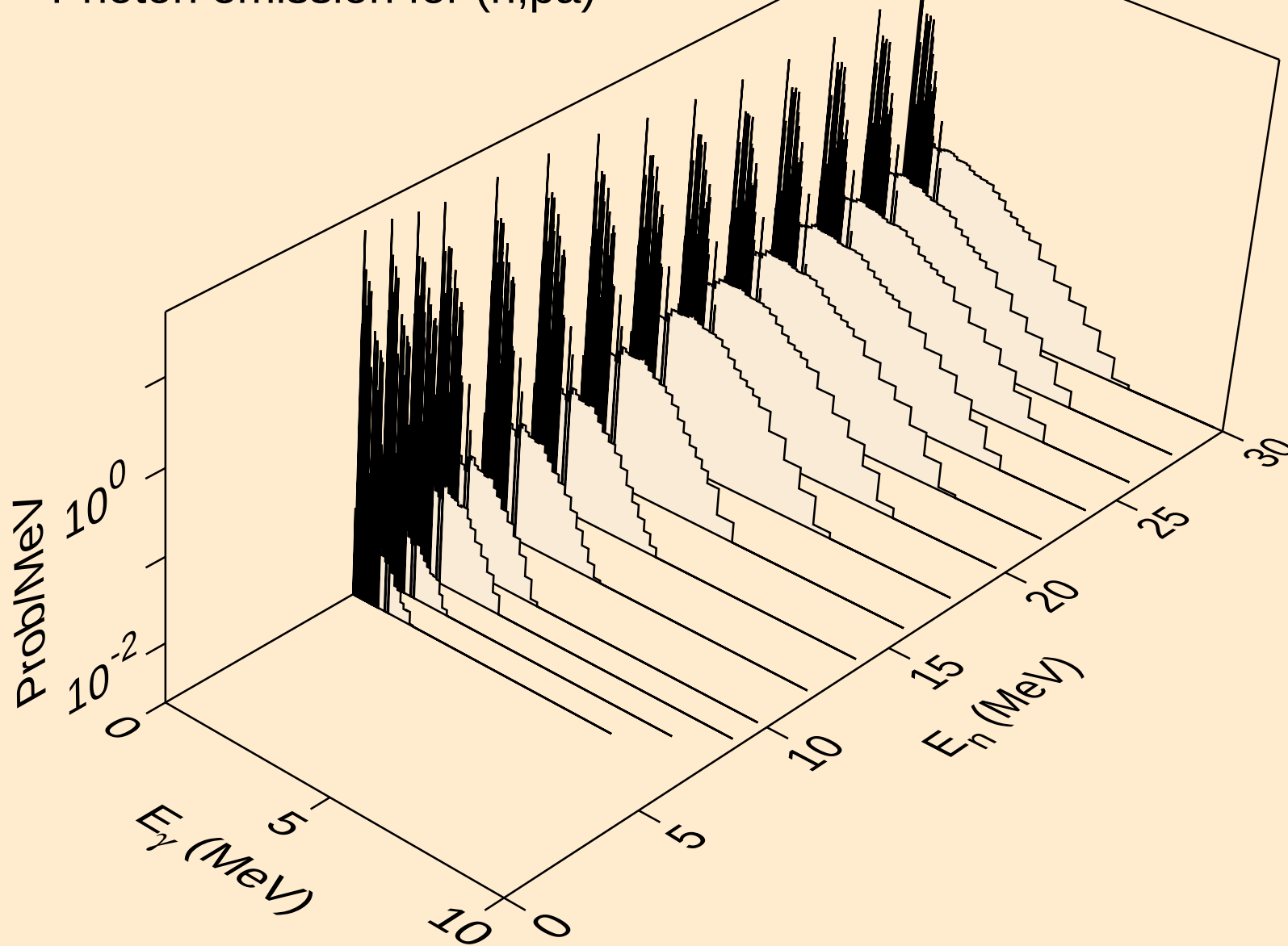
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3a)



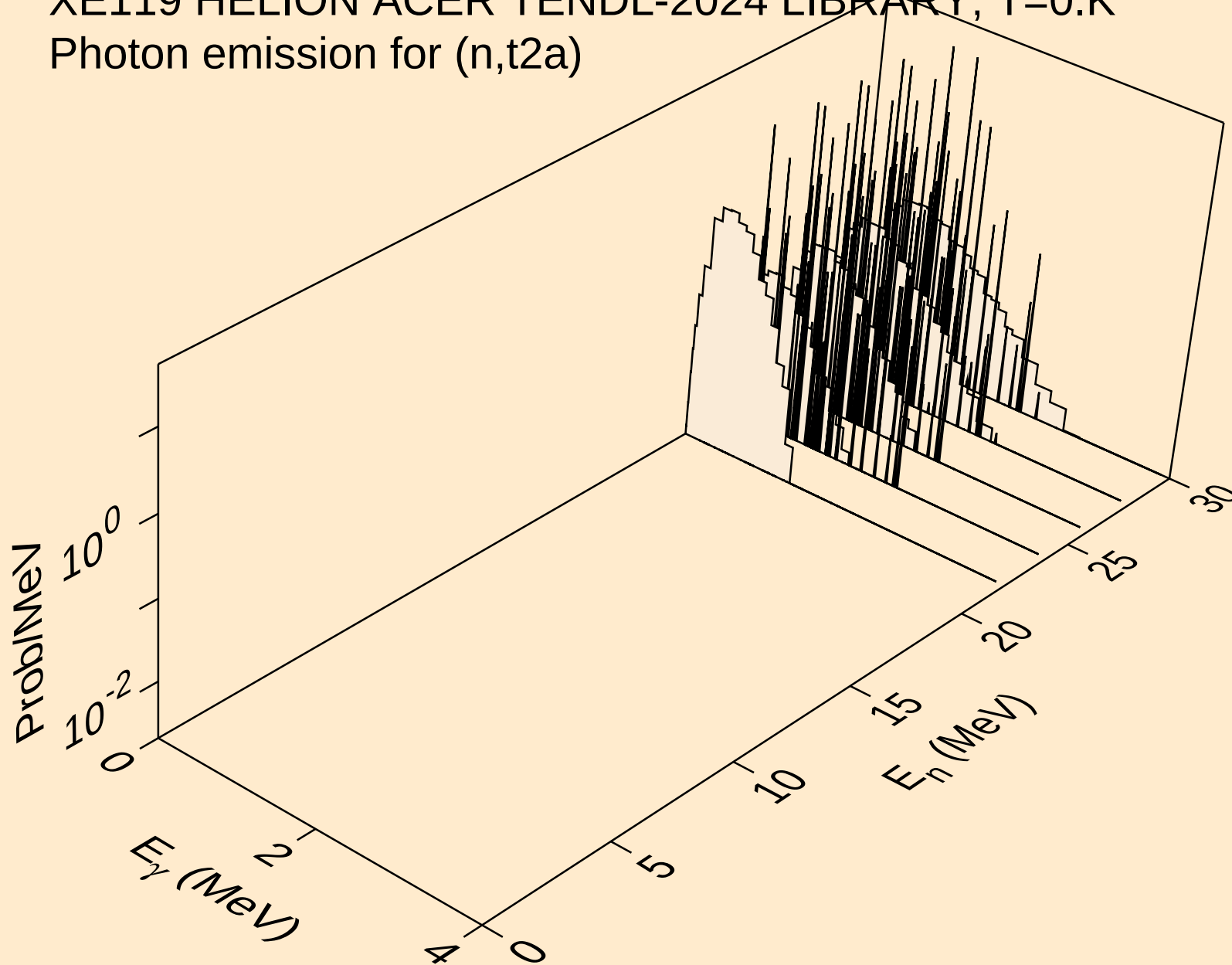
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)



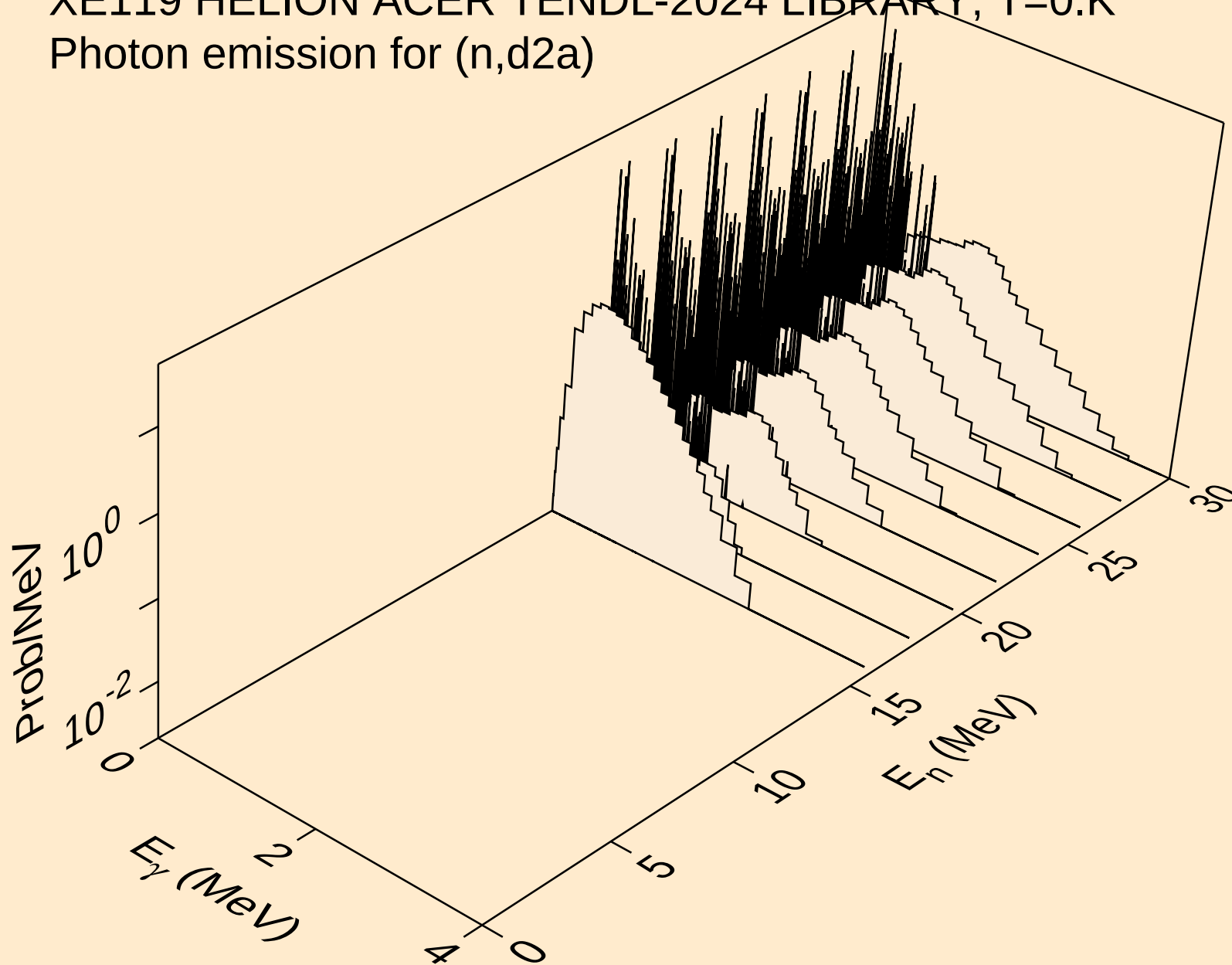
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p α)



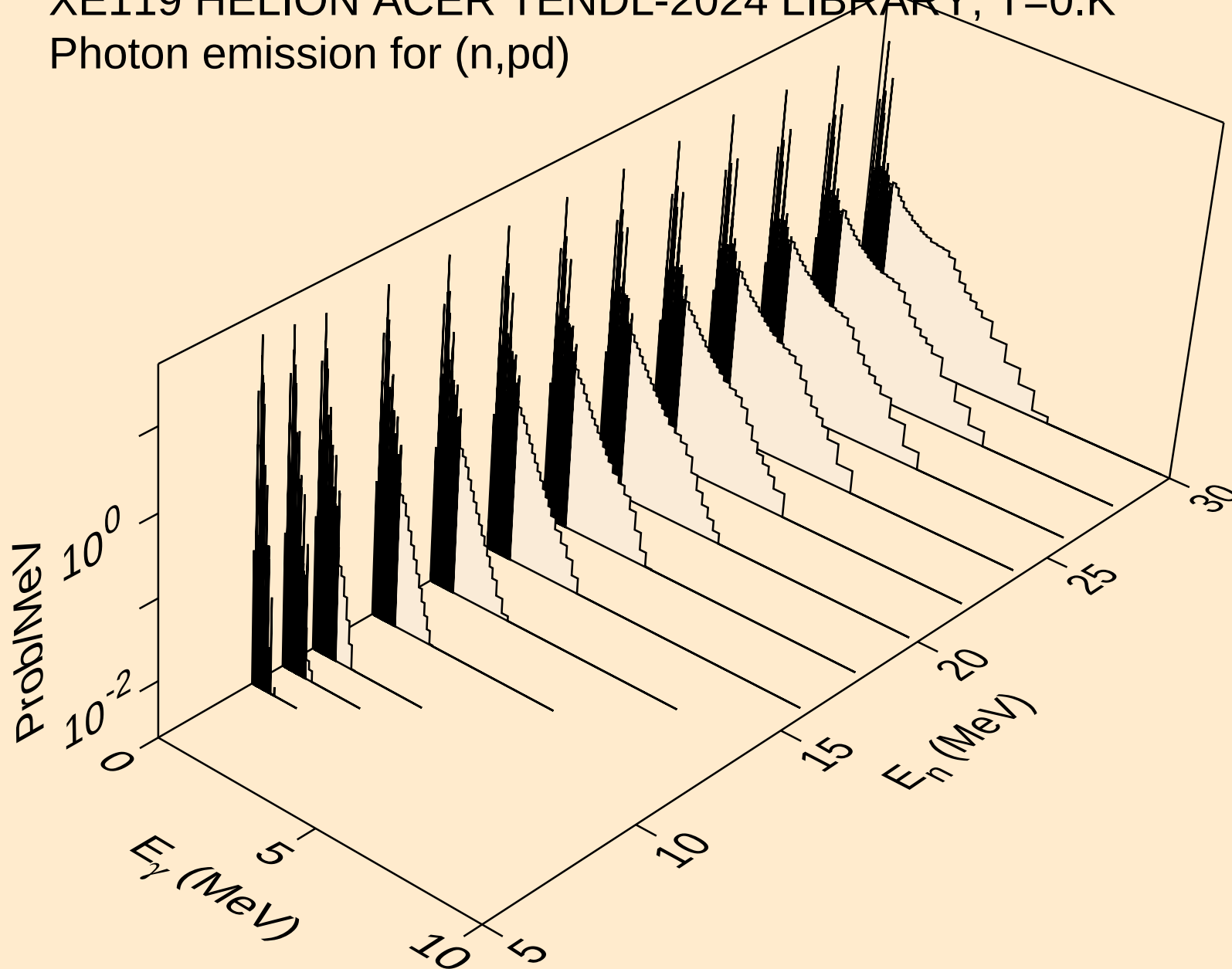
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t2a)



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d2a)

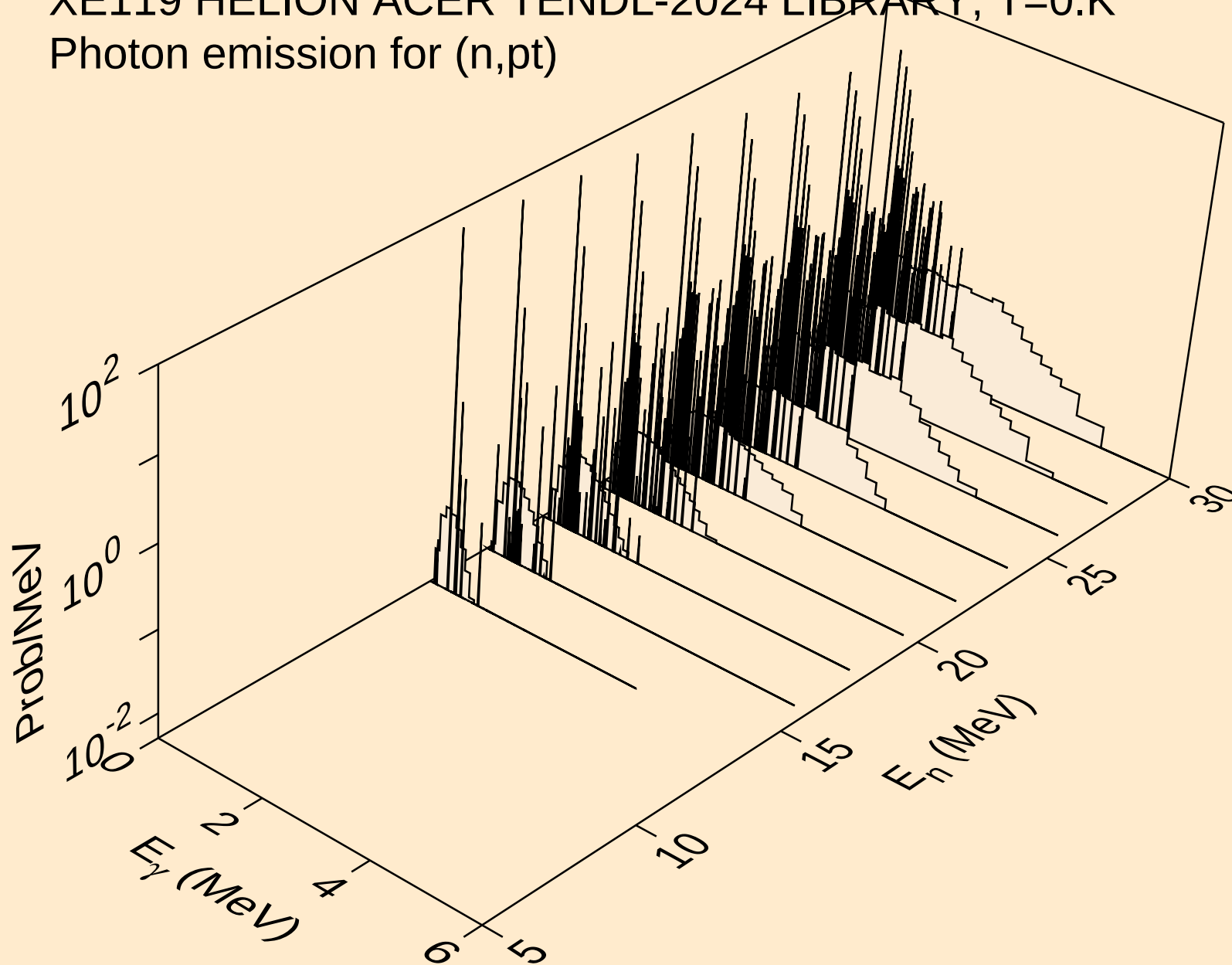


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Photon emission for (n,pd)

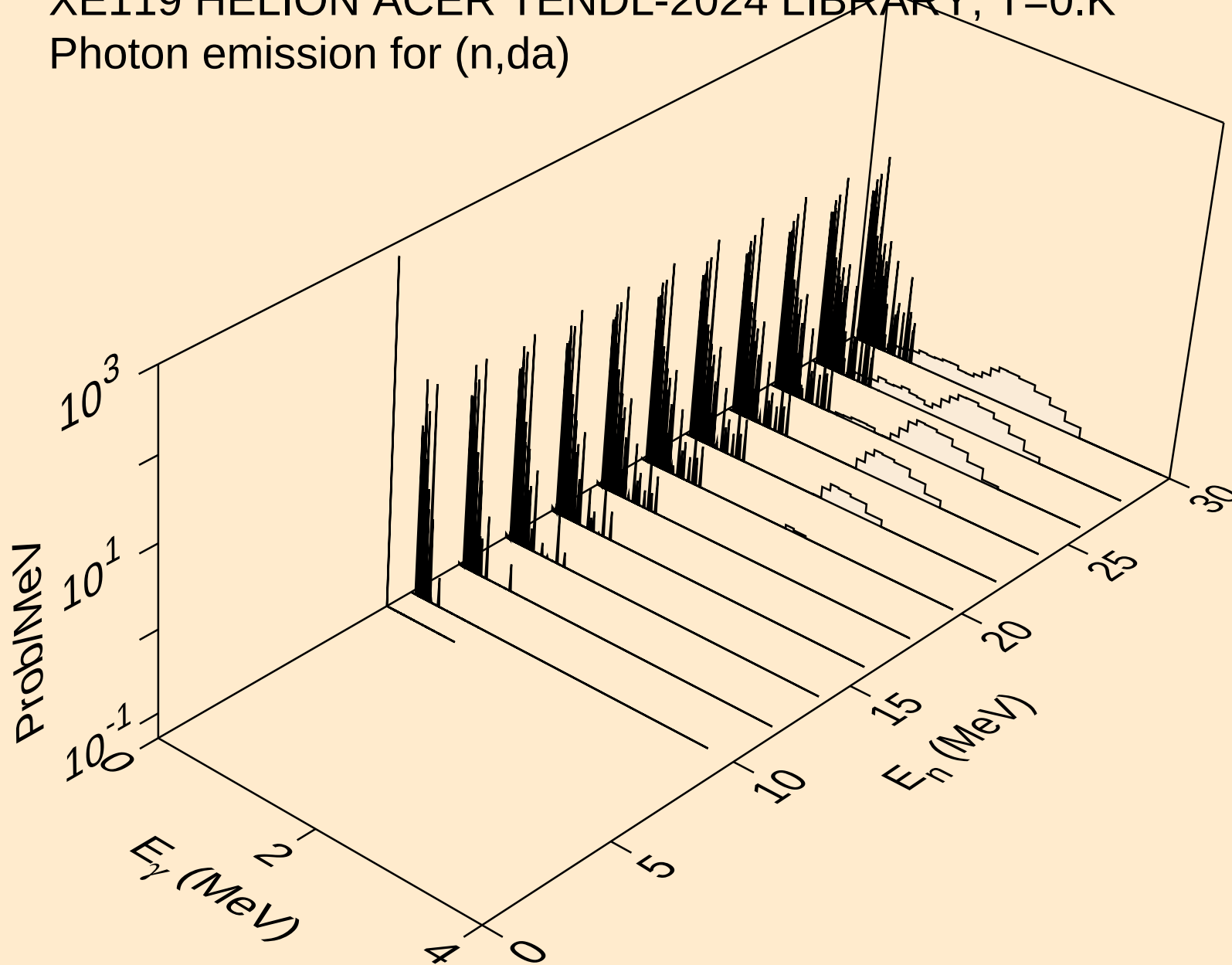


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Photon emission for (n,pt)

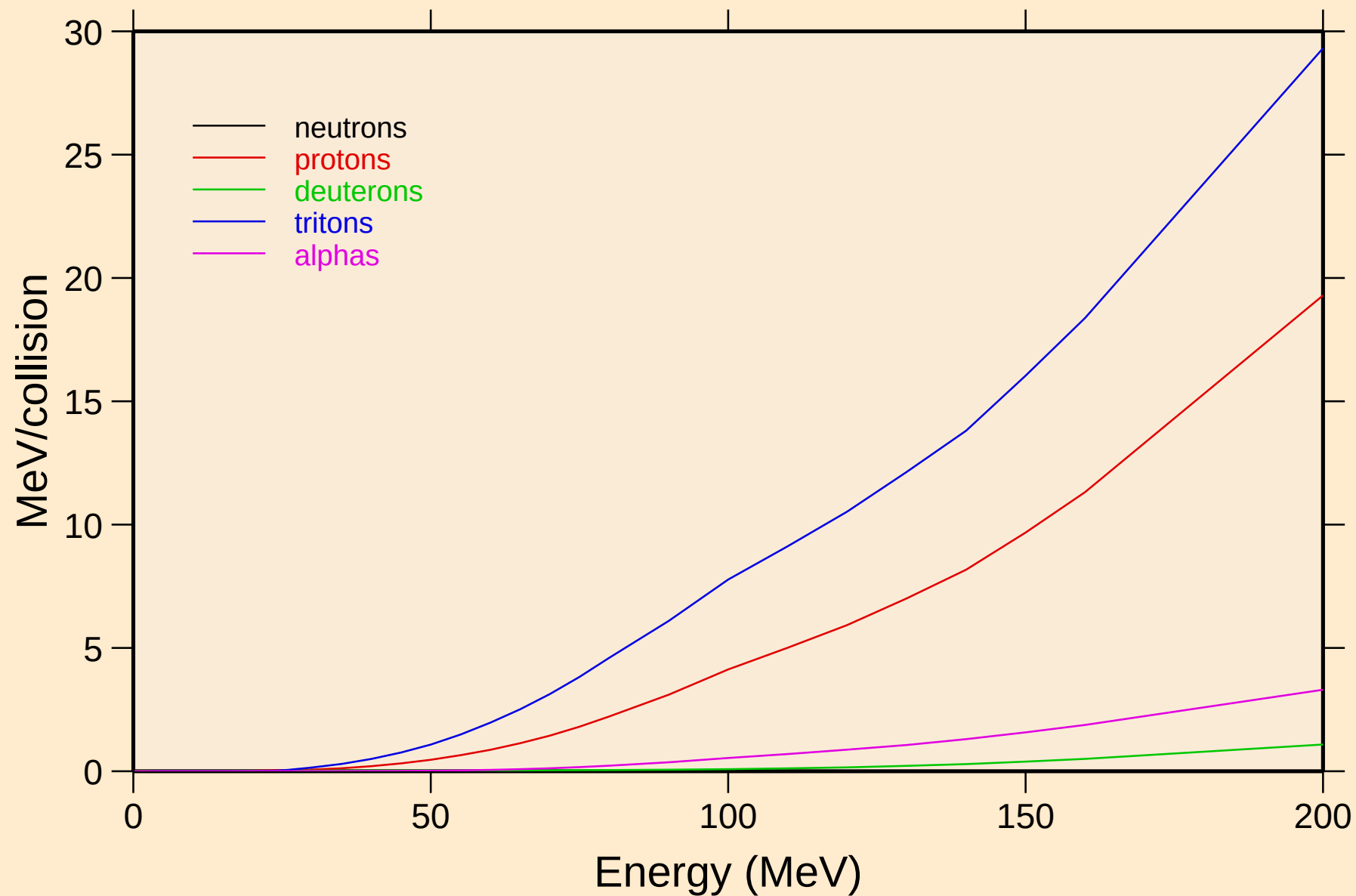


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Photon emission for (n,da)



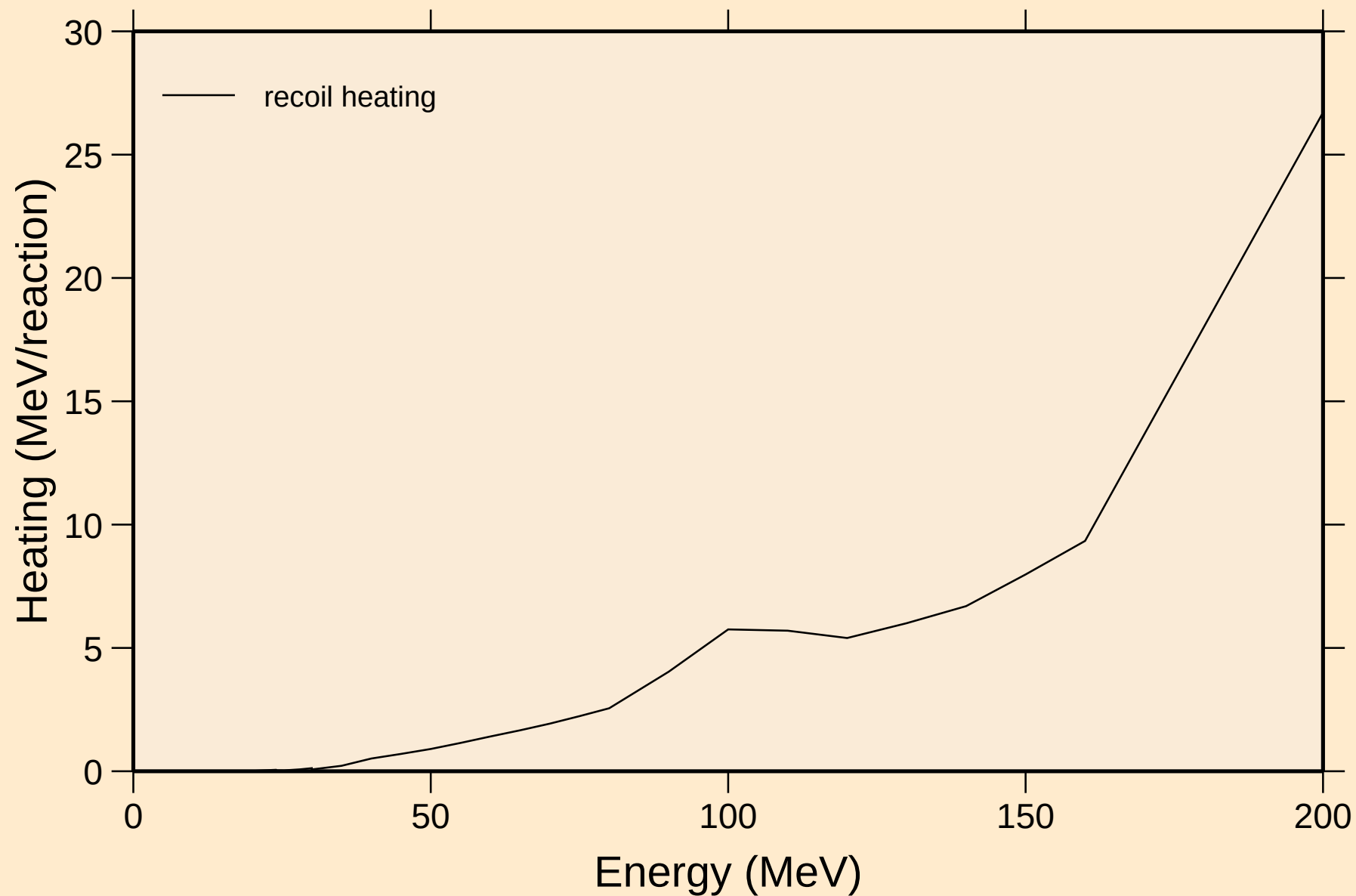
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions



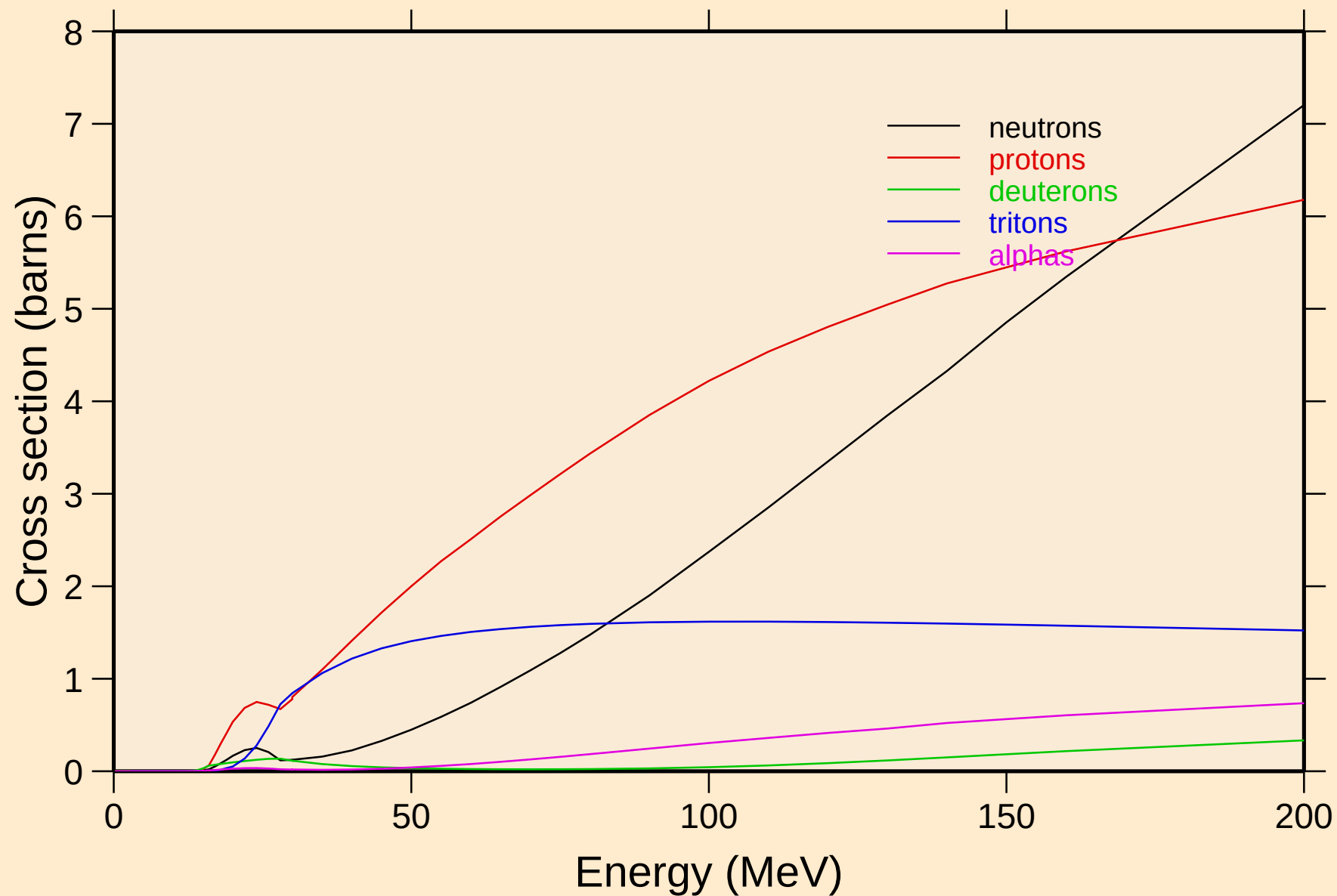
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Recoil Heating

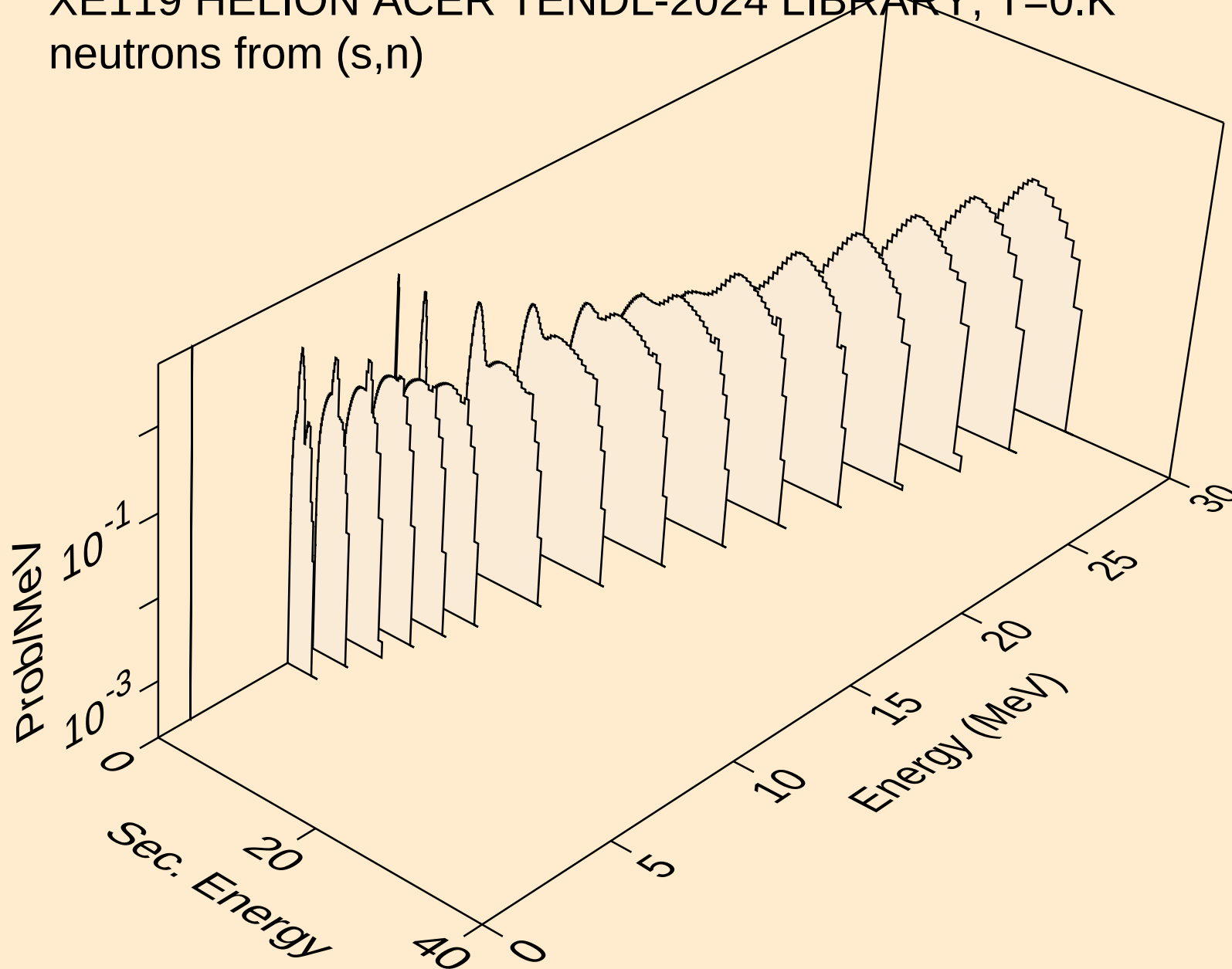


XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K

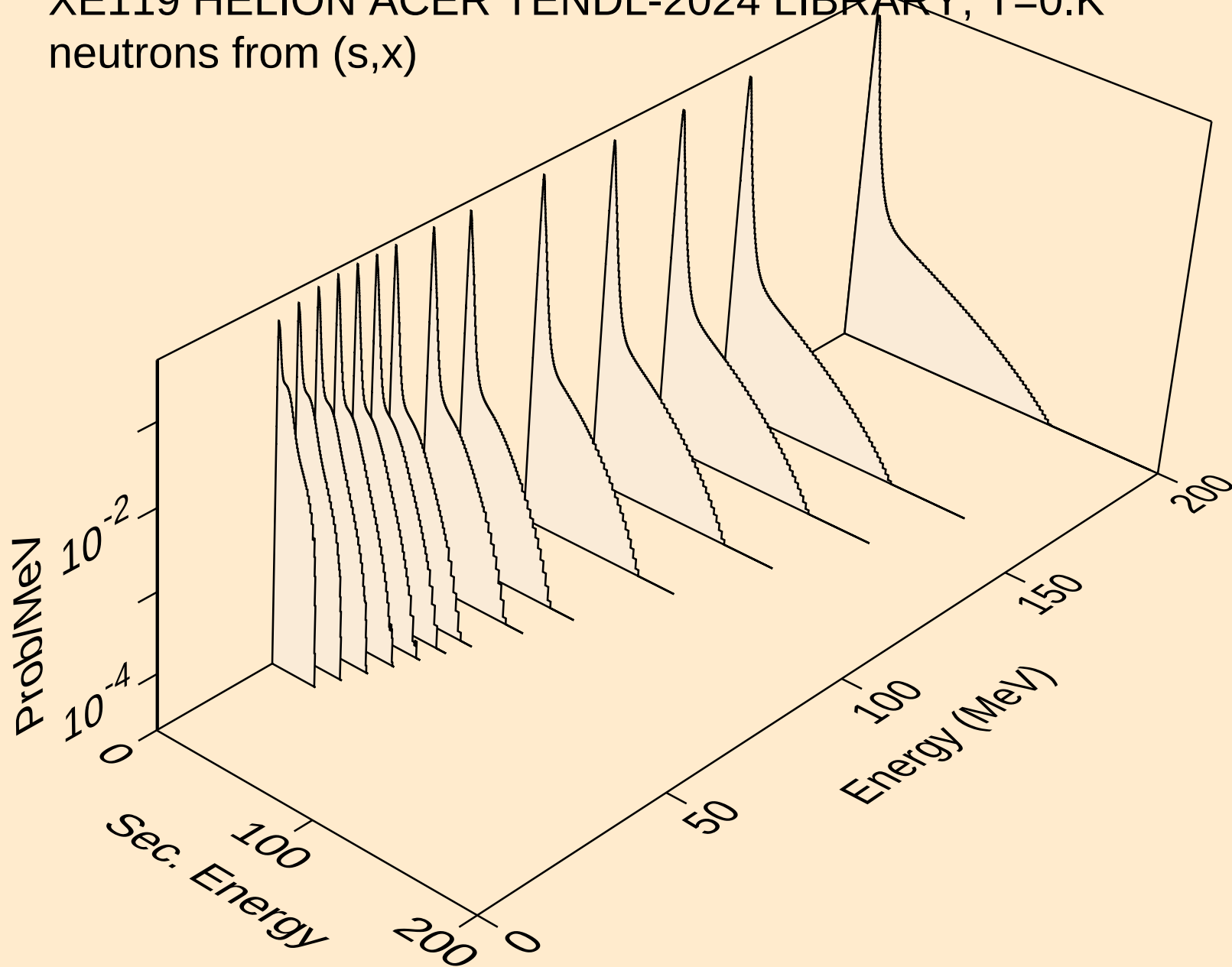
Particle production cross sections



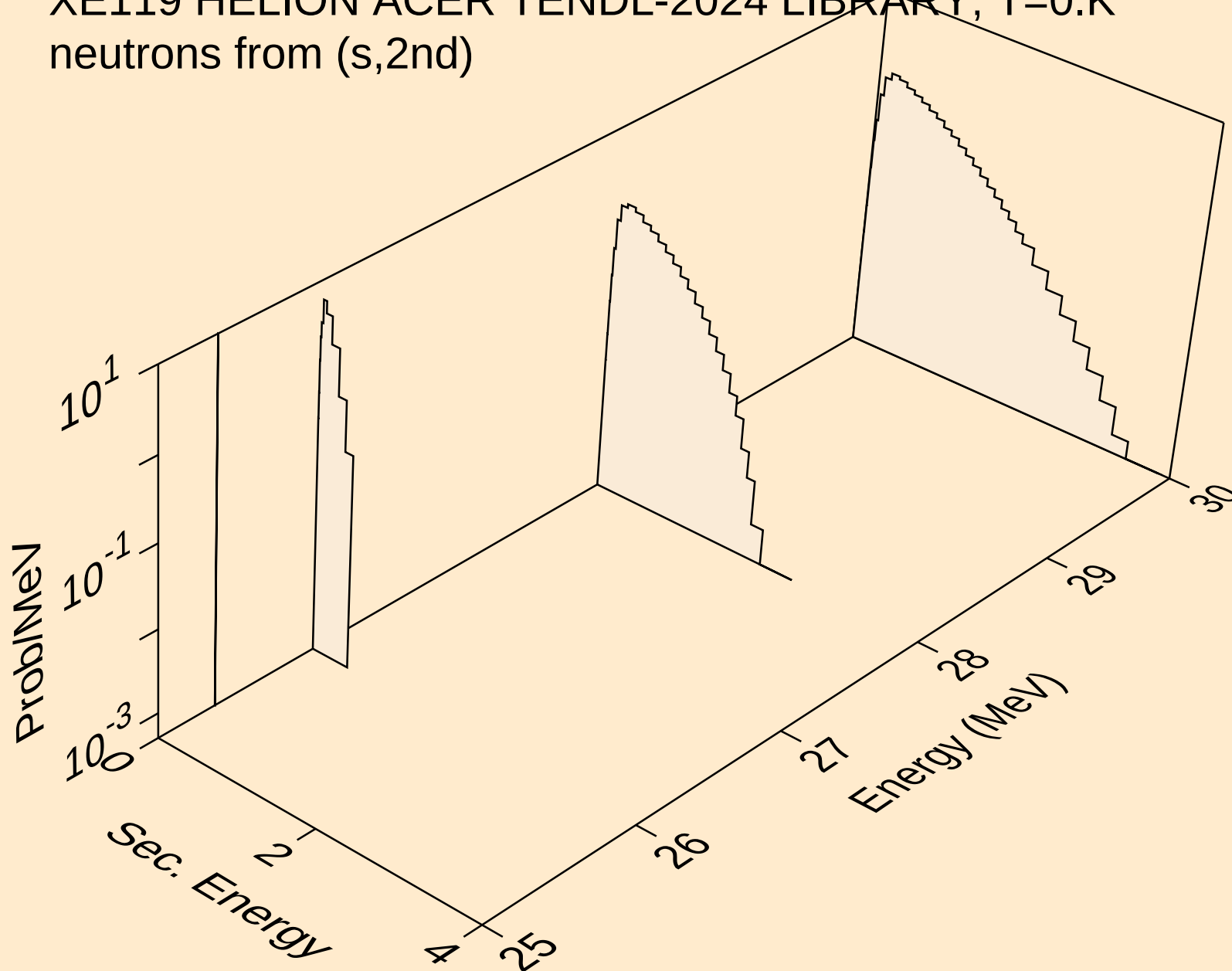
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n)



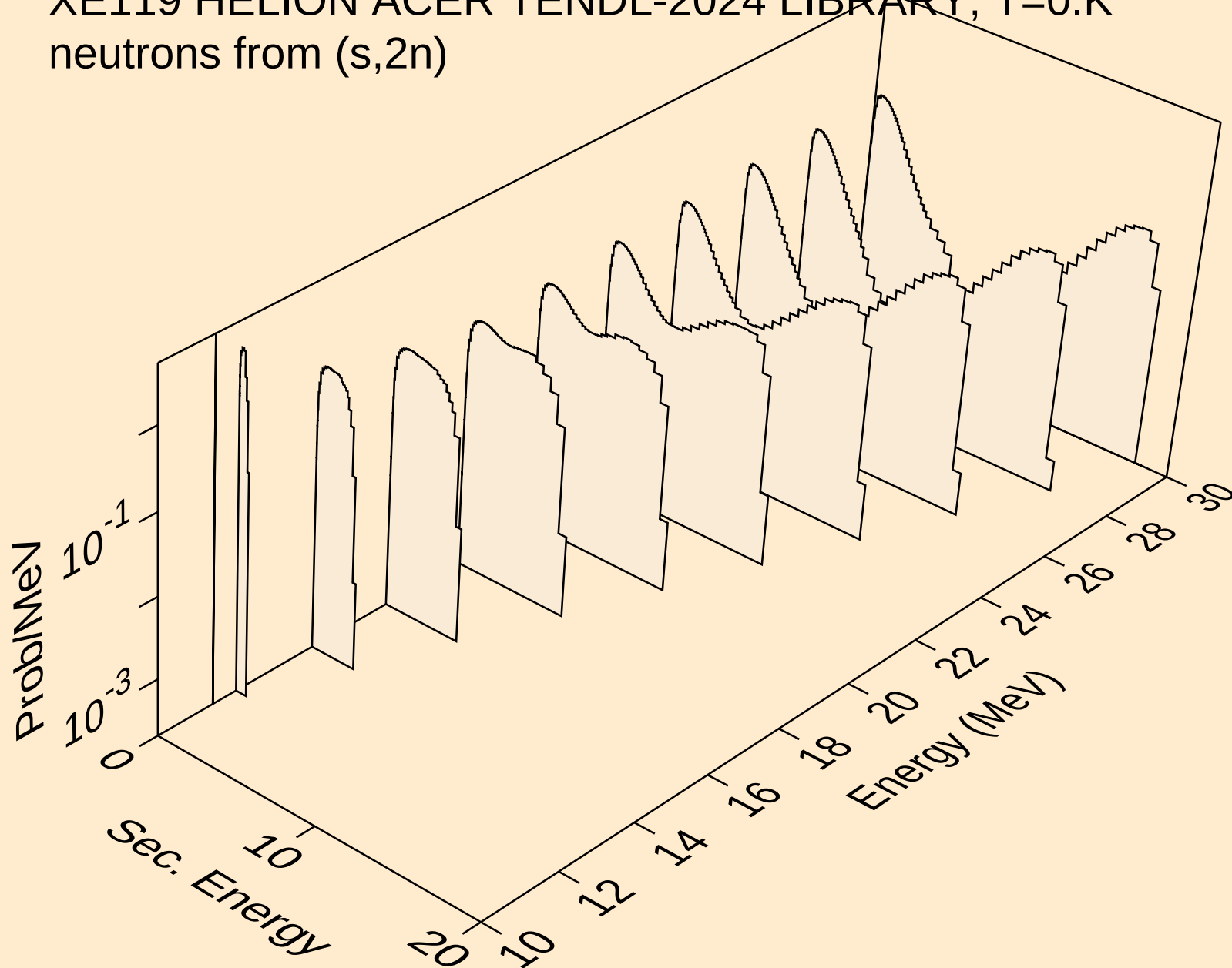
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neutrons from (s,x)



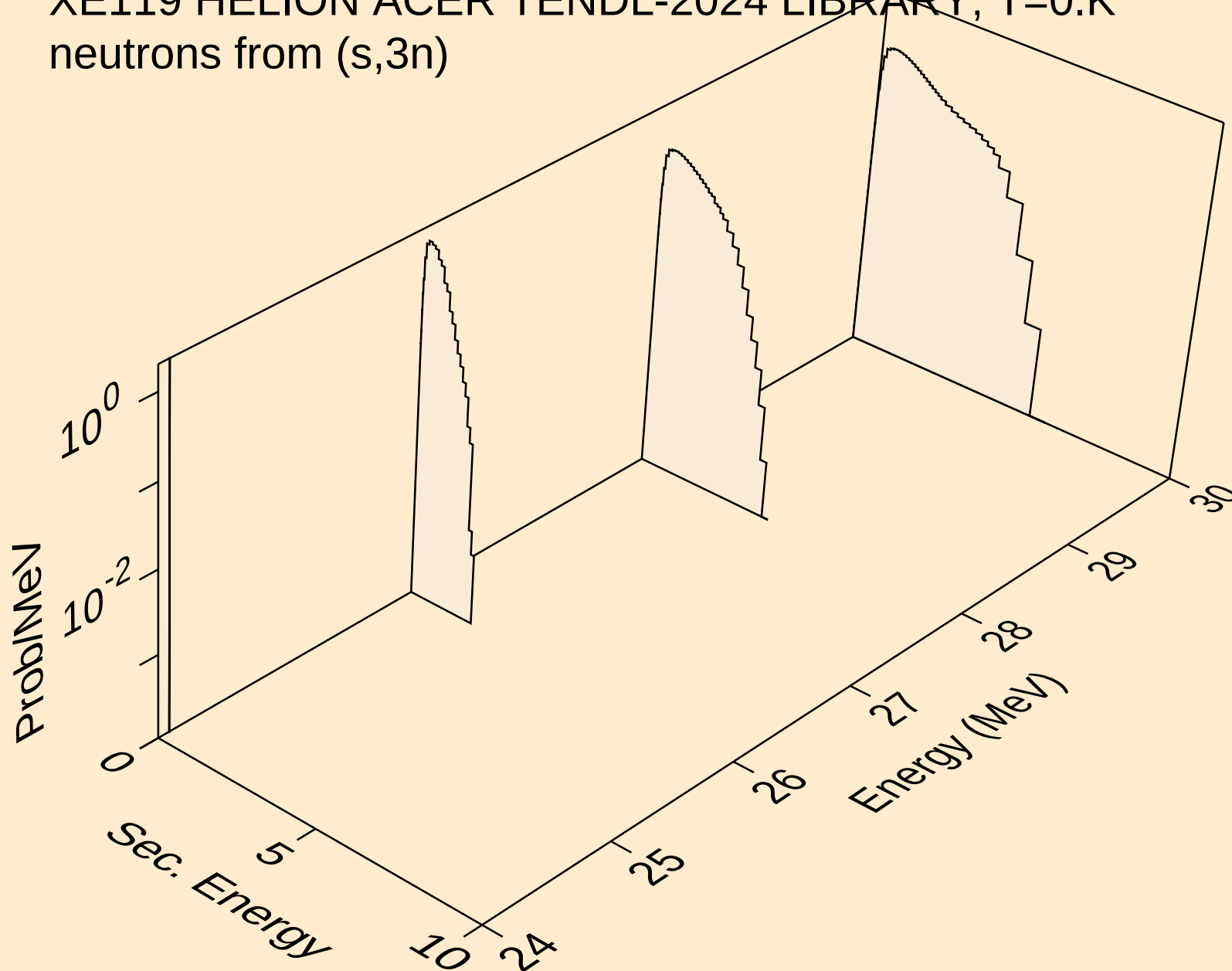
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neutrons from (s,2nd)



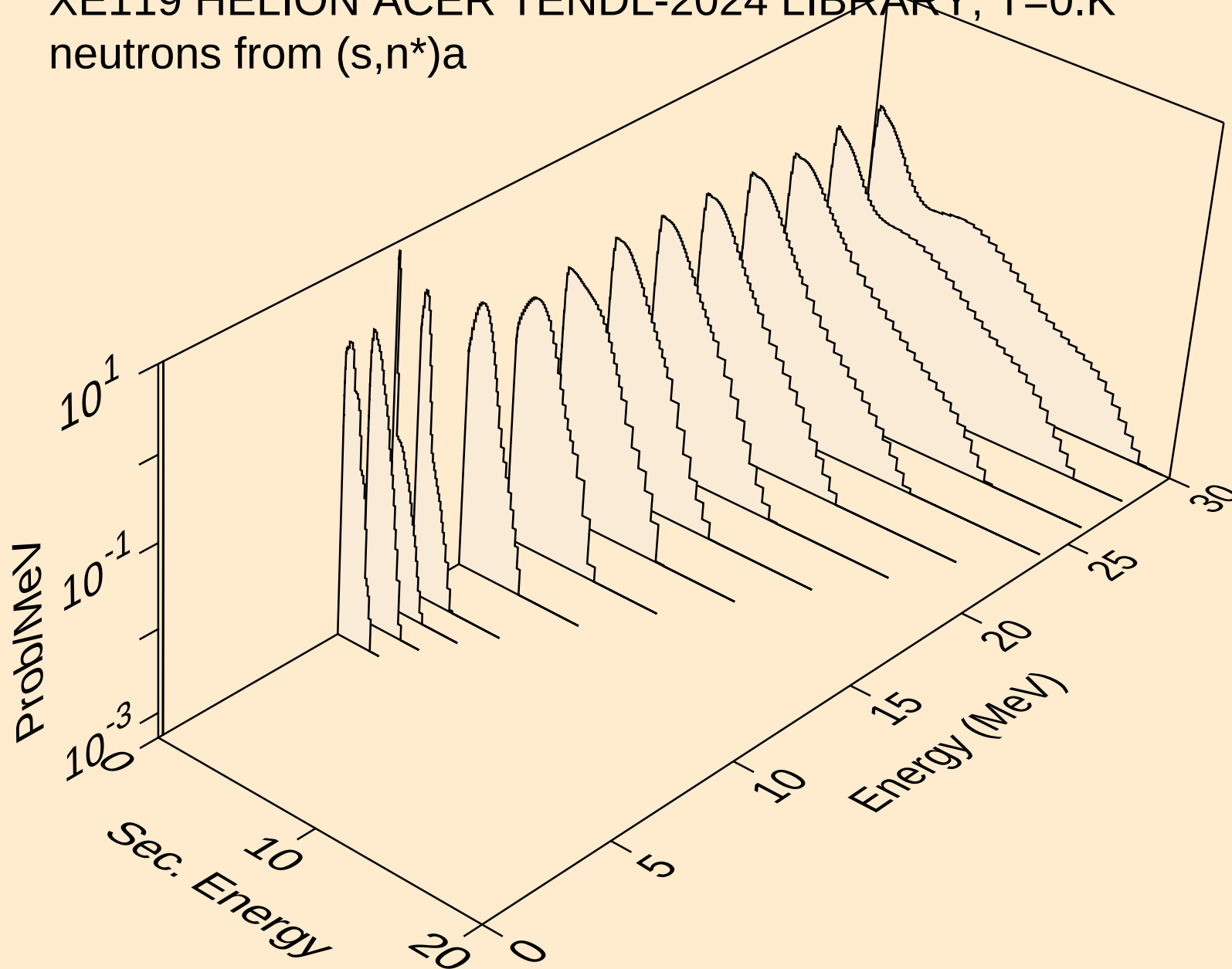
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neutrons from (s,2n)



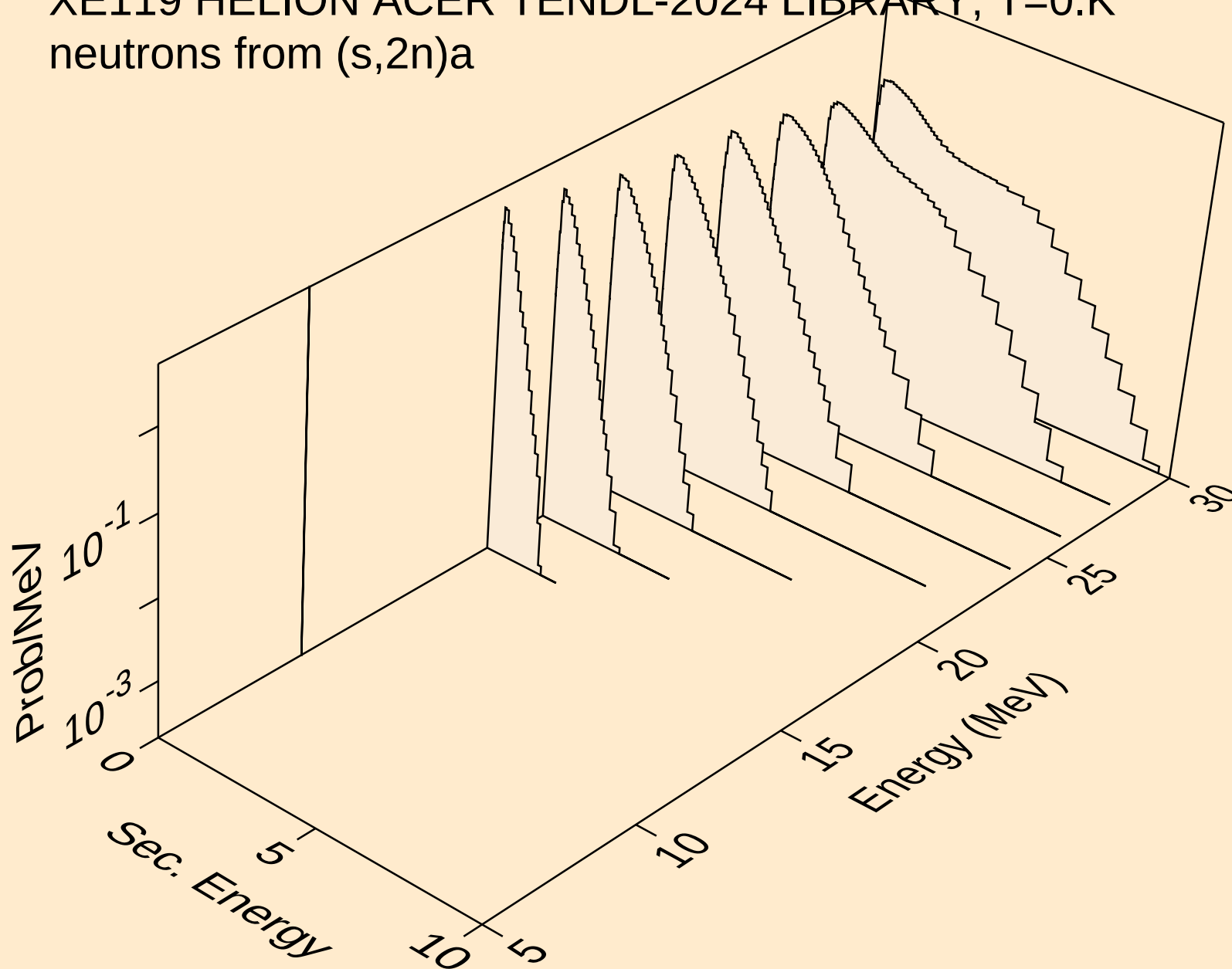
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,3n)



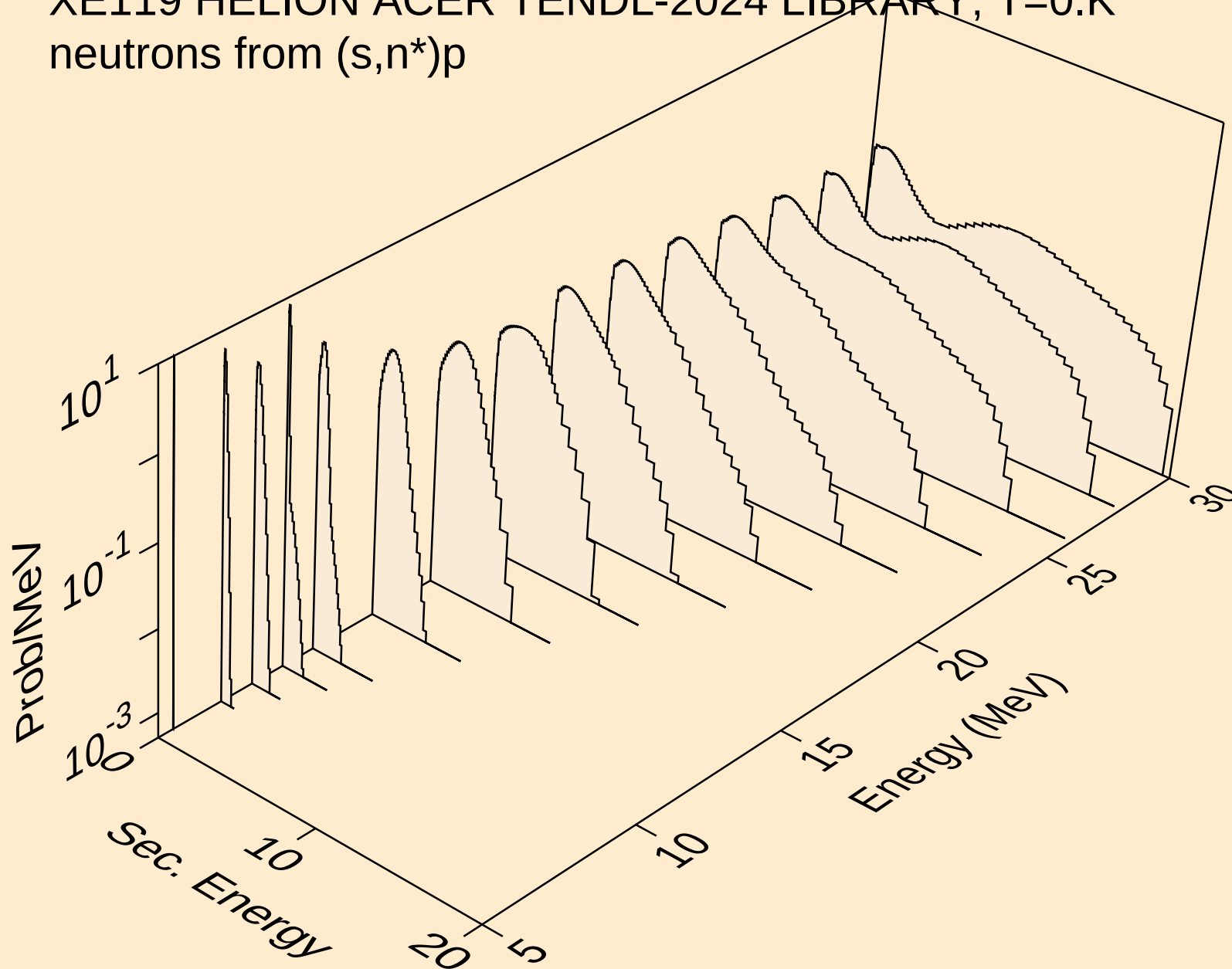
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)a



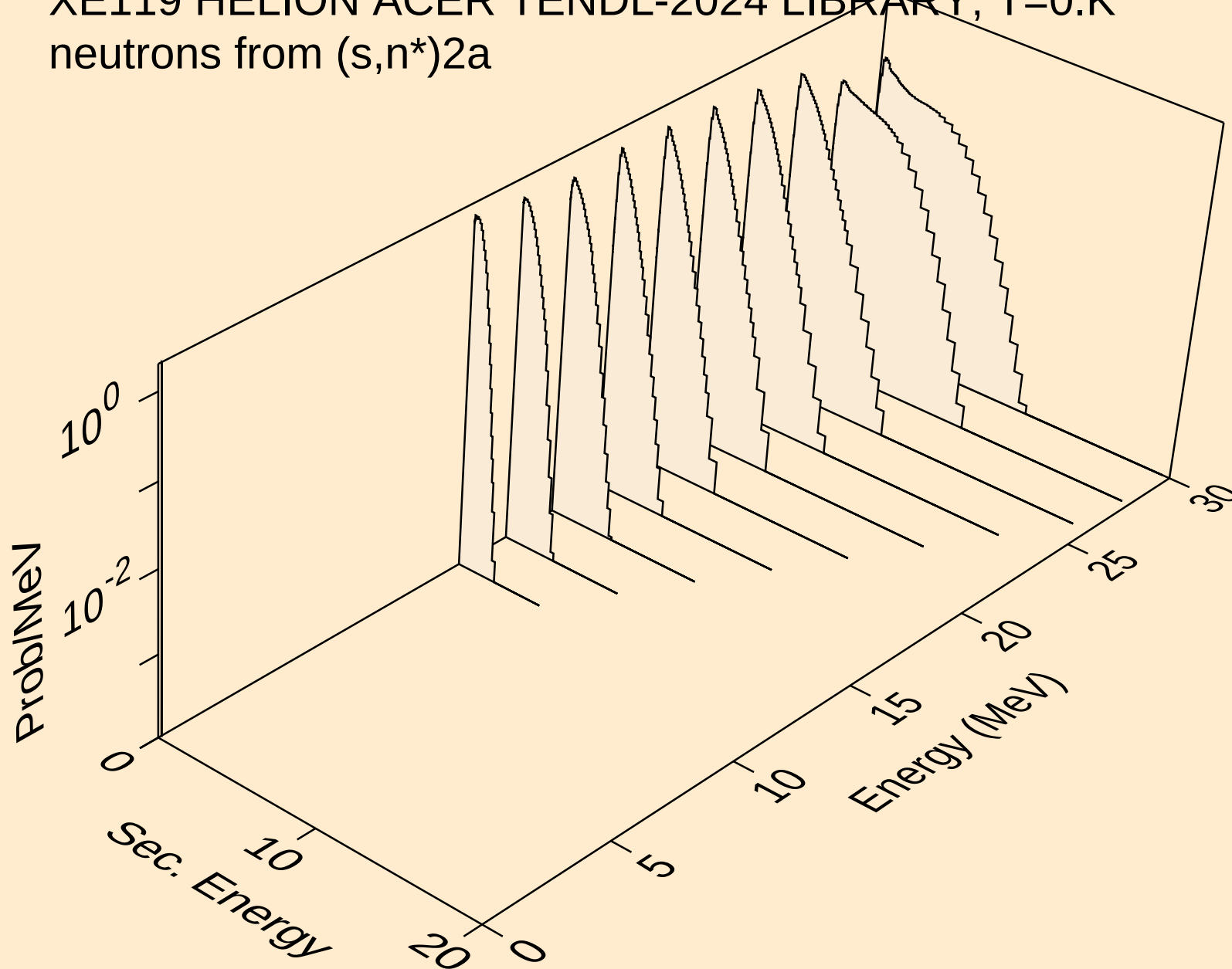
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neutrons from (s,2n)a



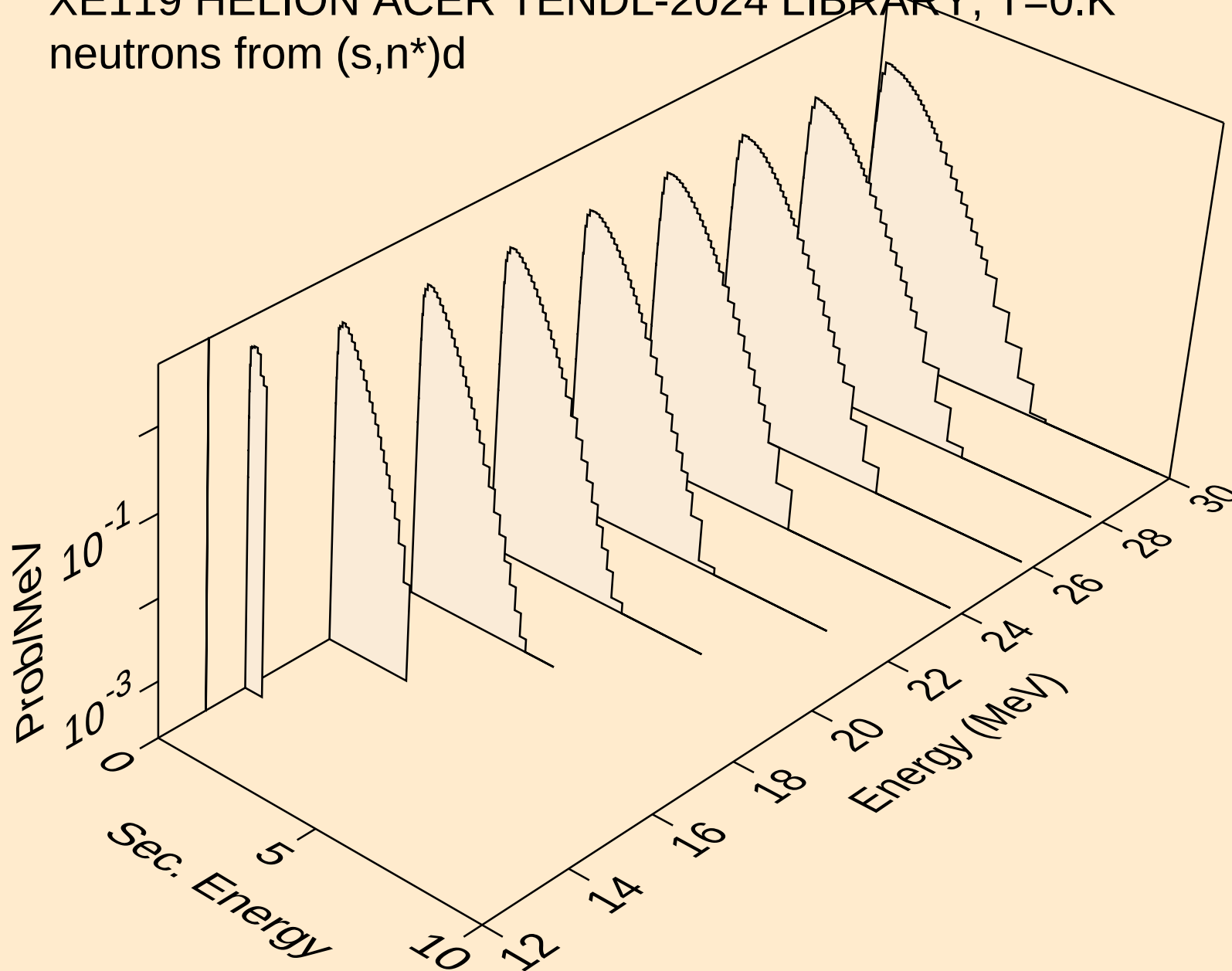
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (s,n*)p



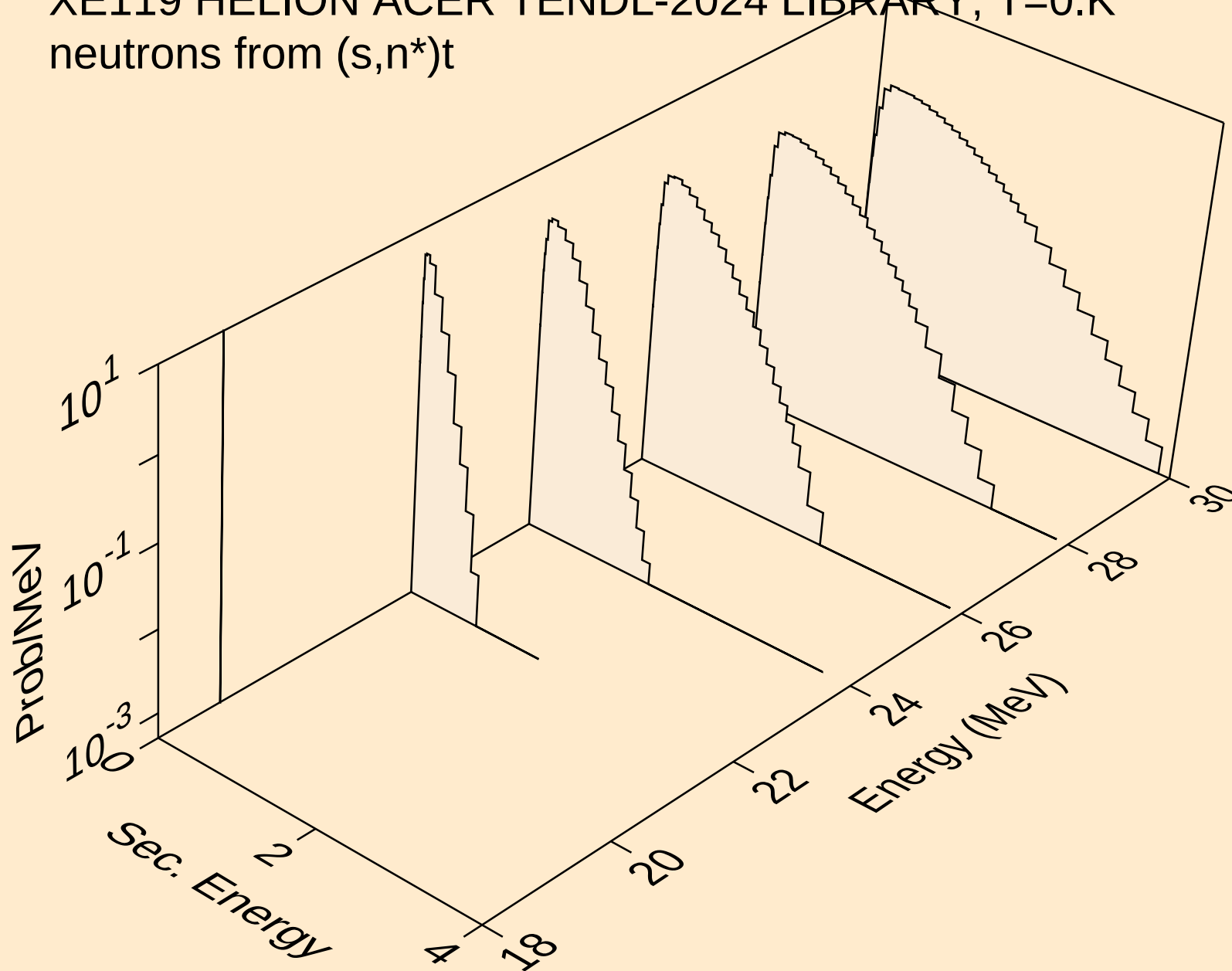
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neutrons from (s,n*)2a



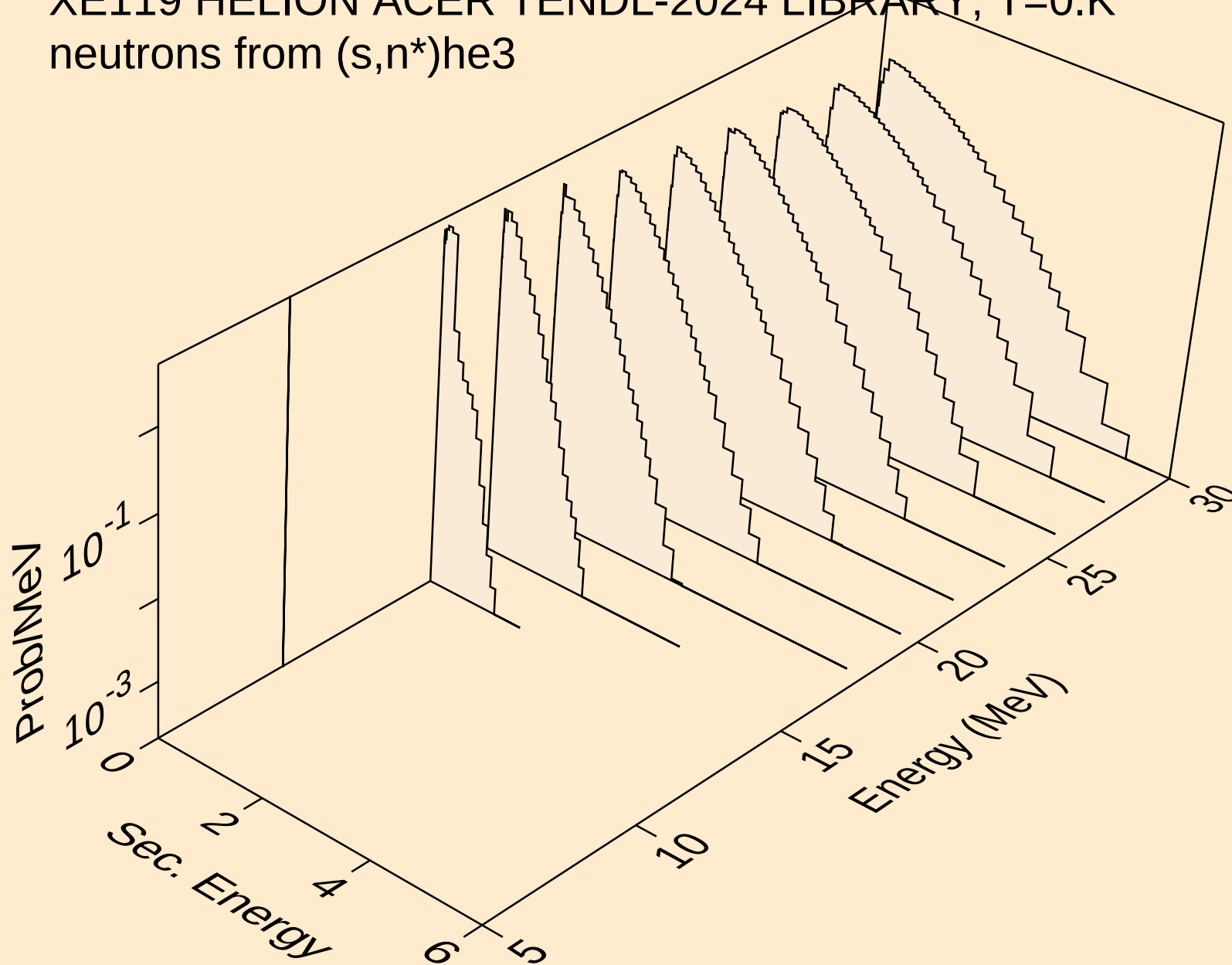
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neutrons from (s,n*)d



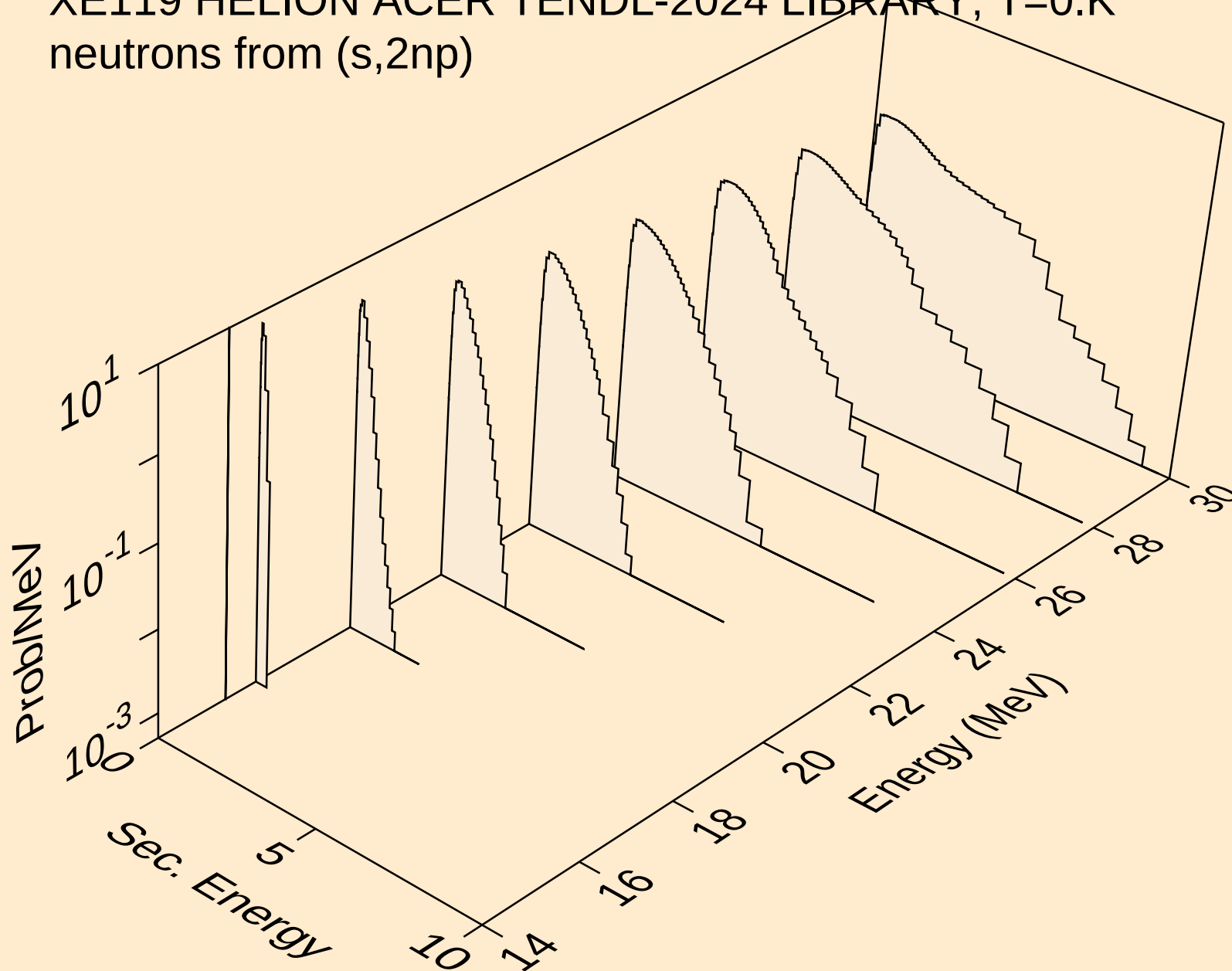
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neutrons from (s,n*)t



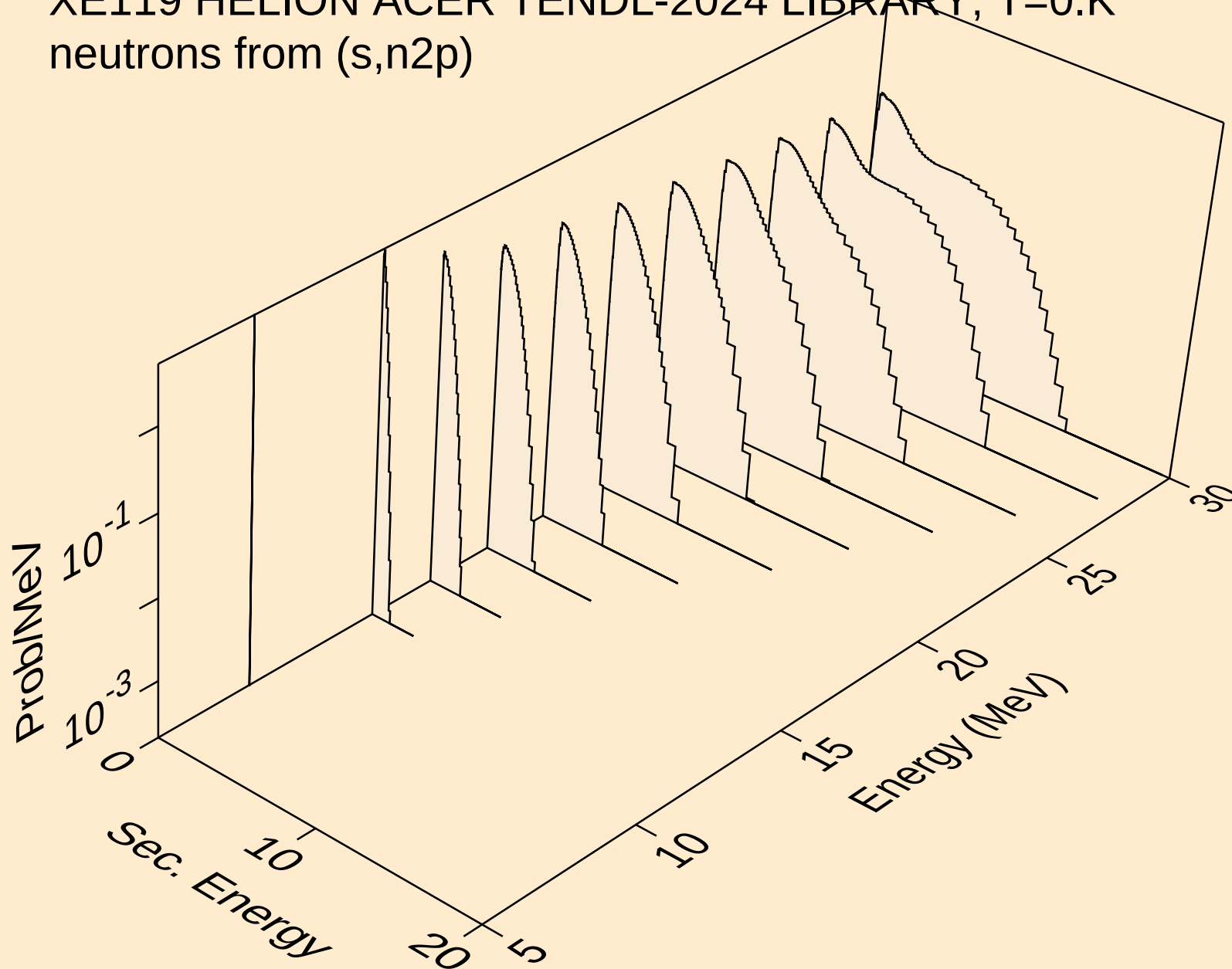
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neutrons from (s,n*)he3



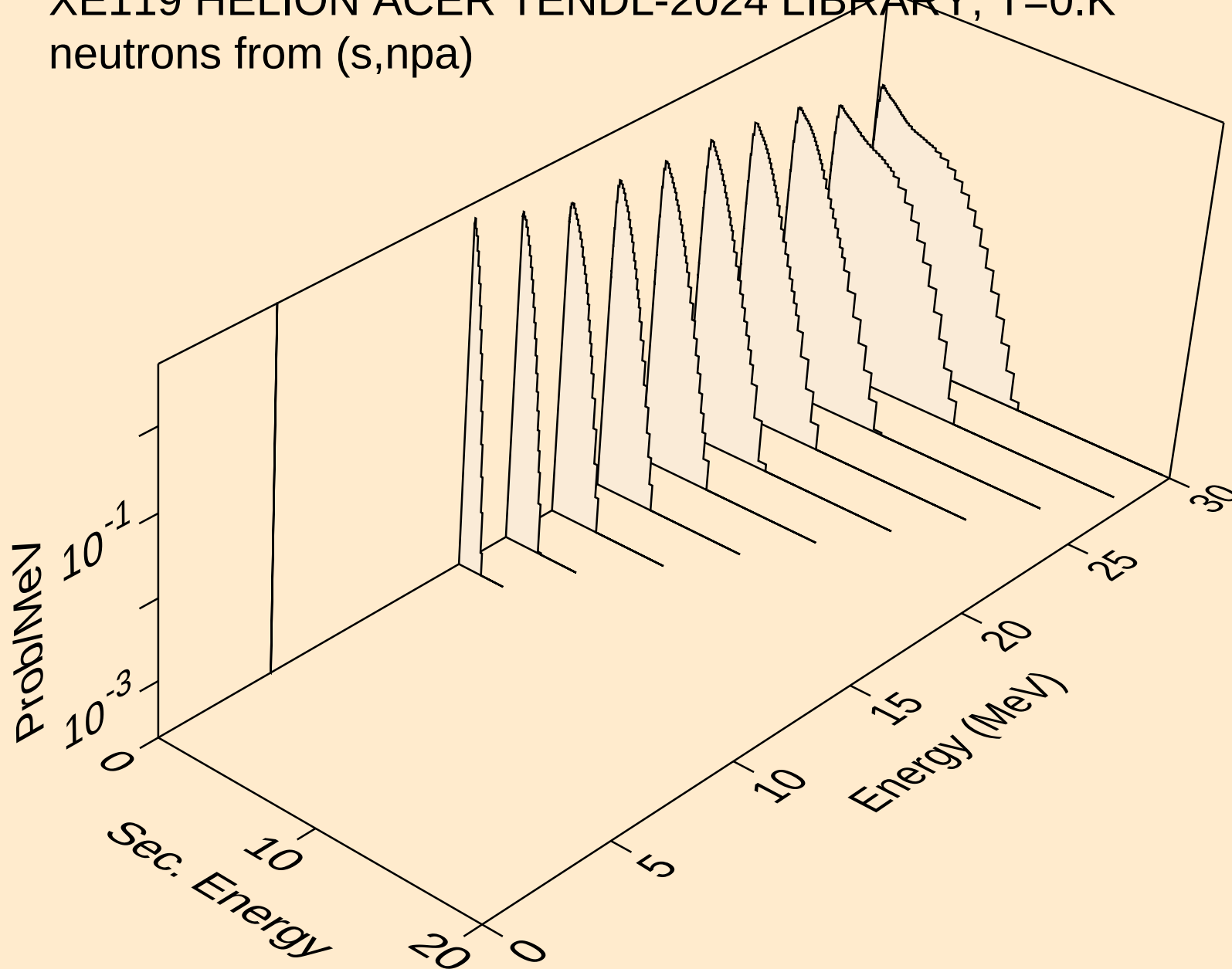
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neutrons from (s,2np)



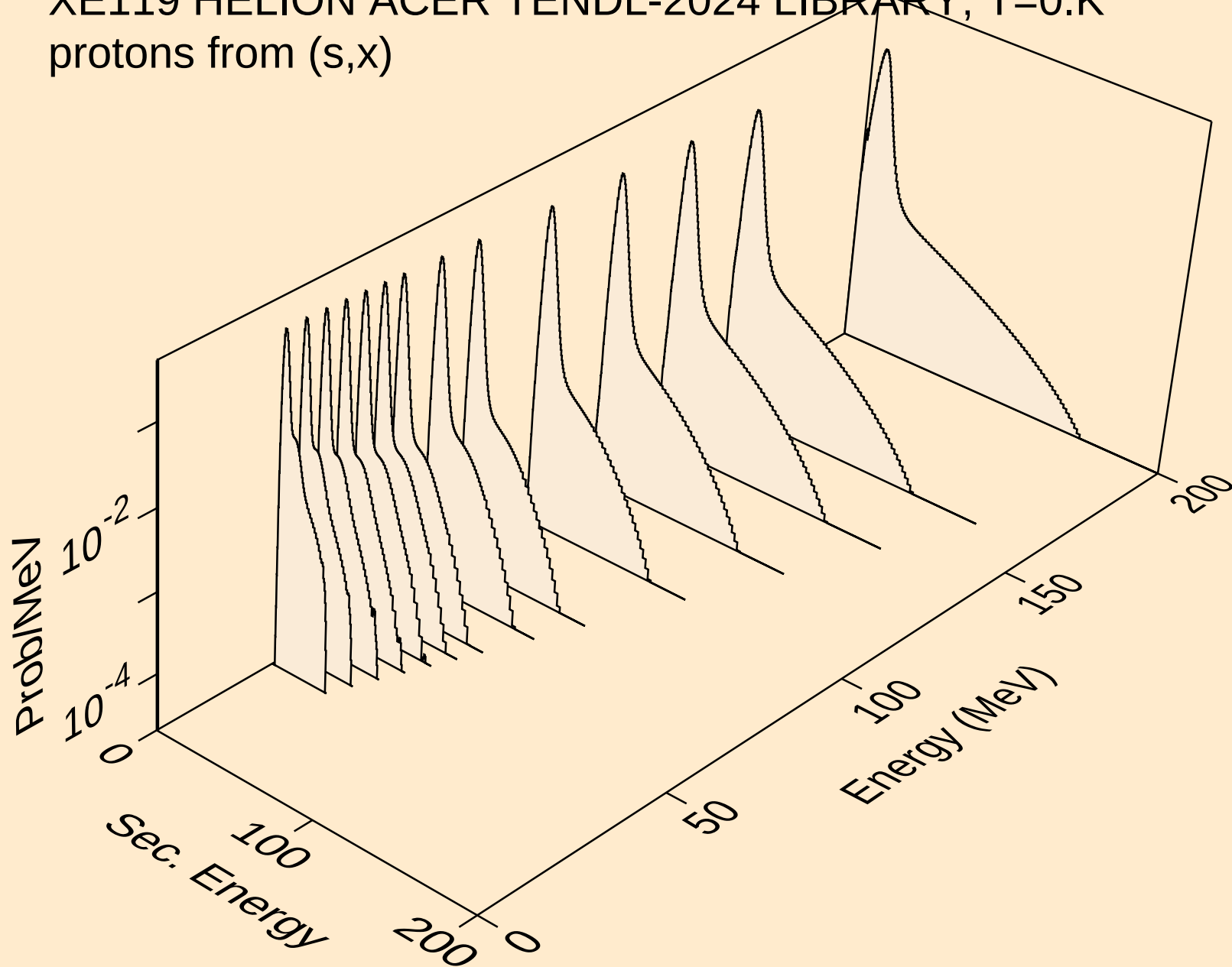
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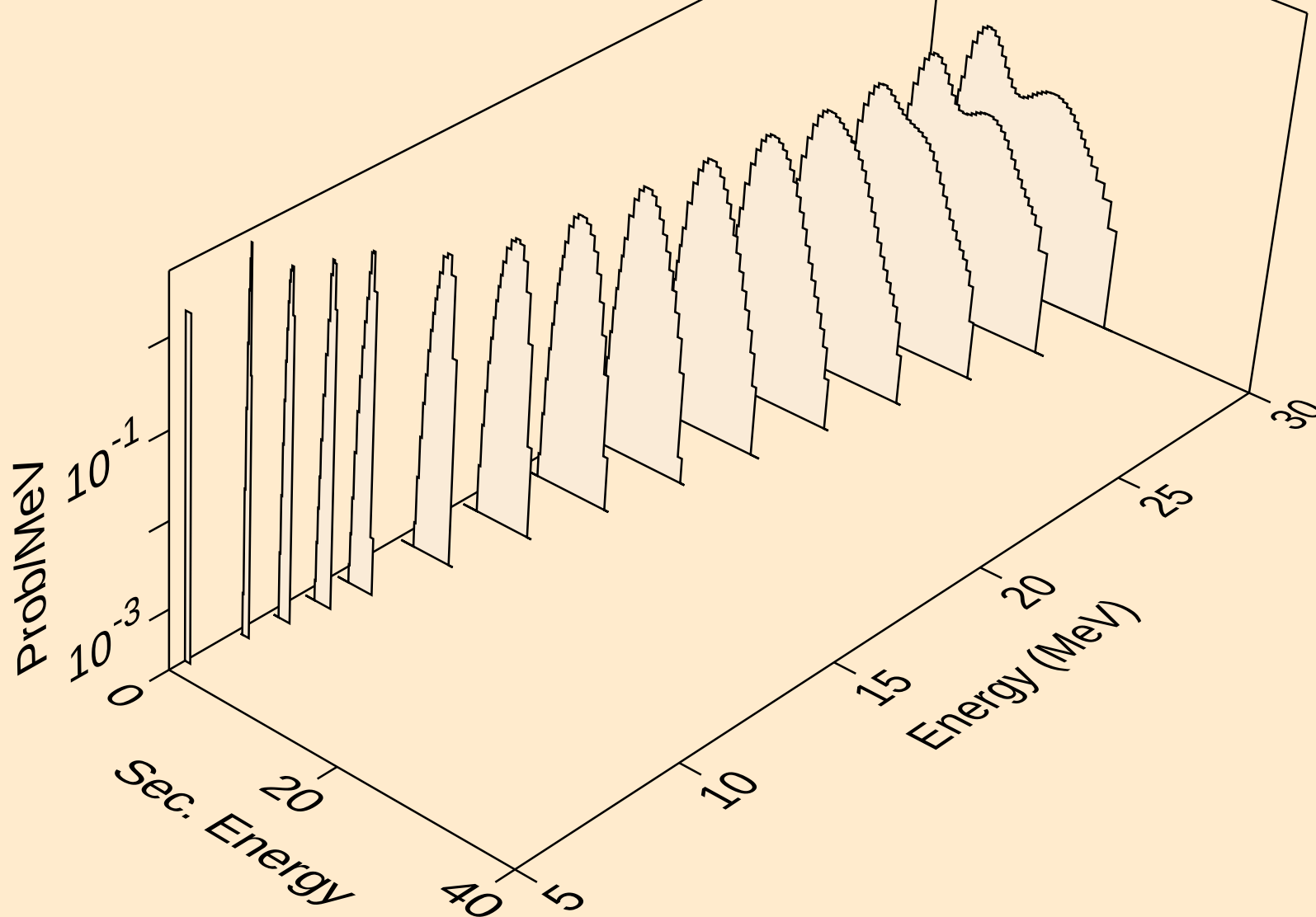
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neutrons from (s,npa)



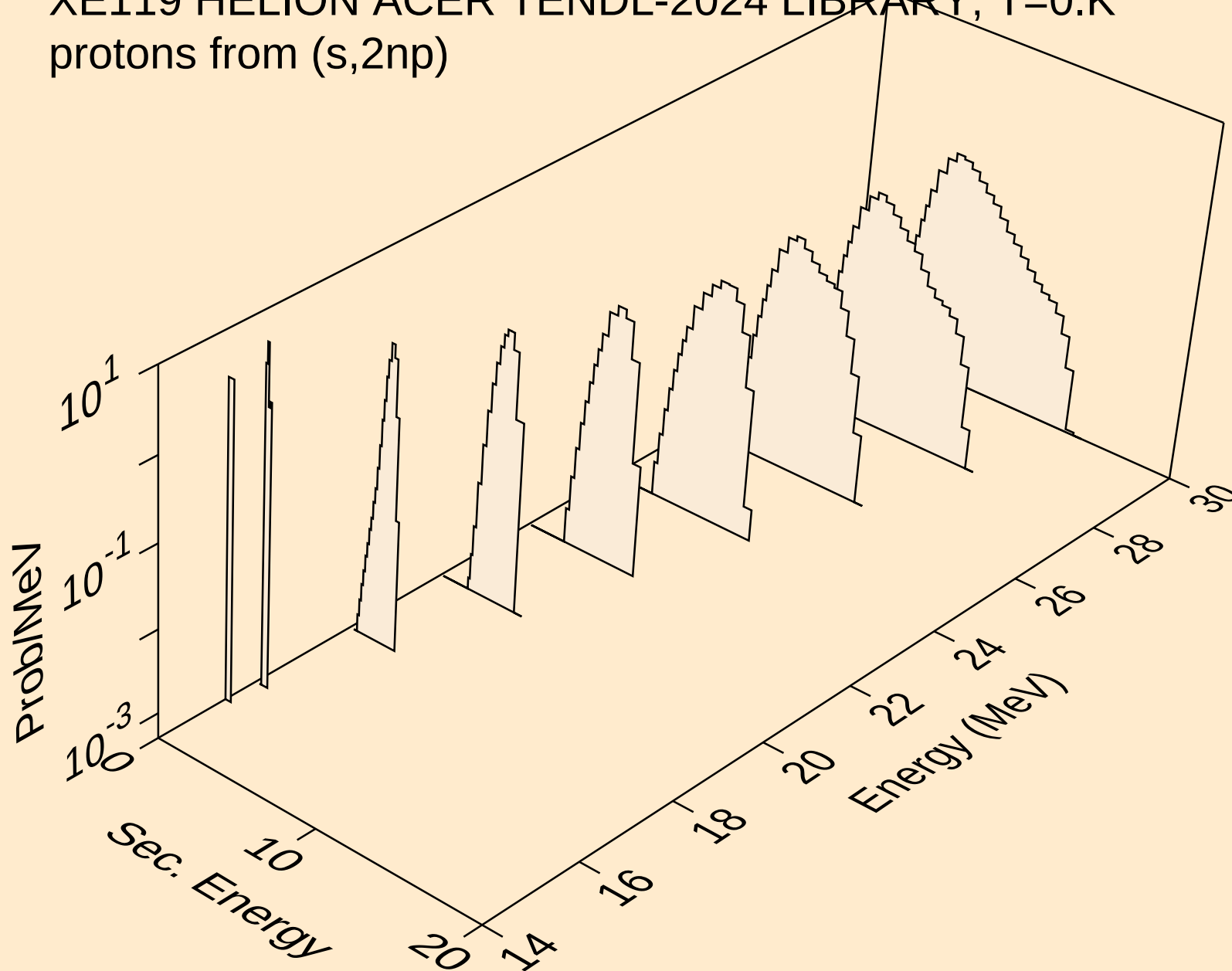
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protons from (s,x)



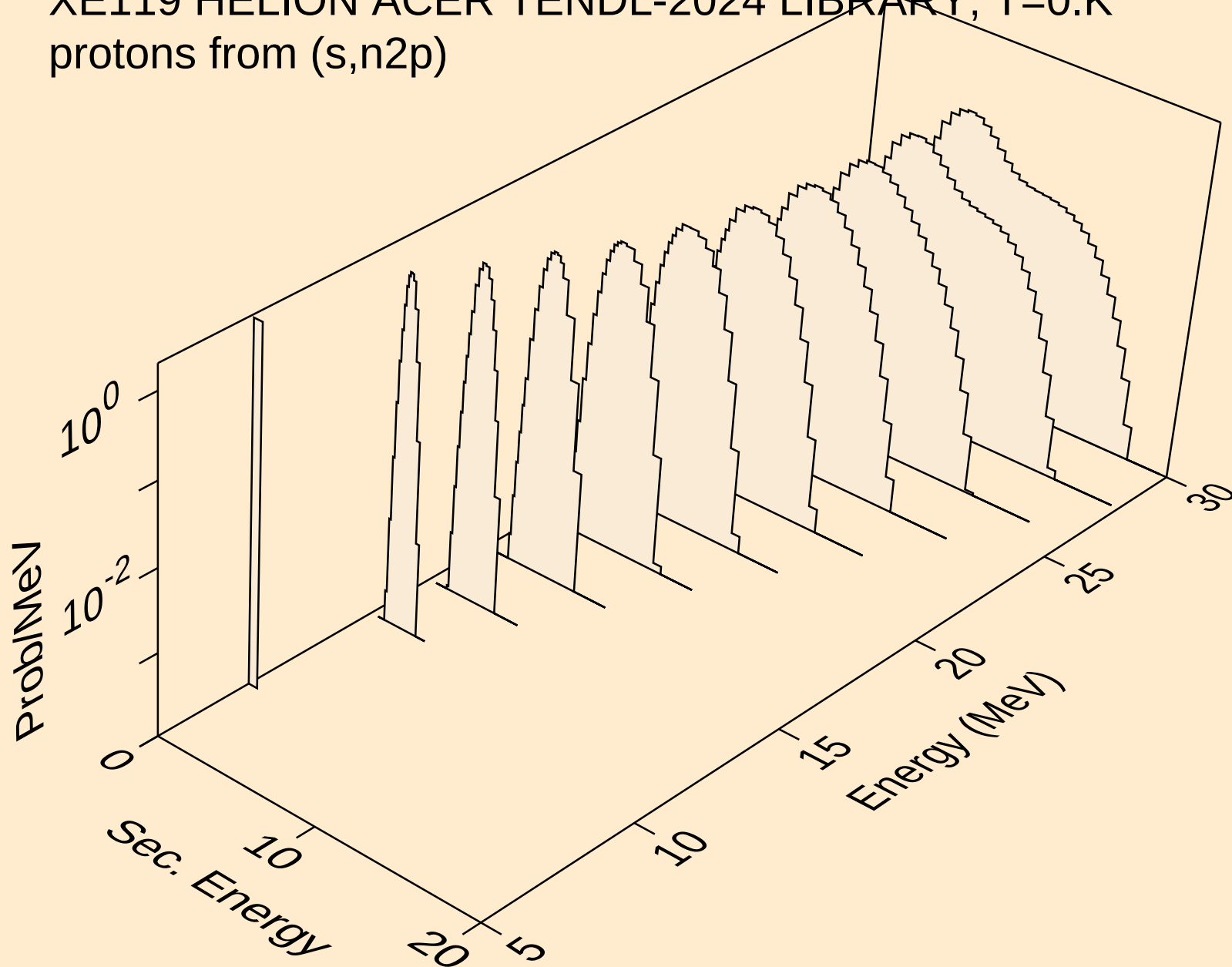
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protons from (s,n*)p



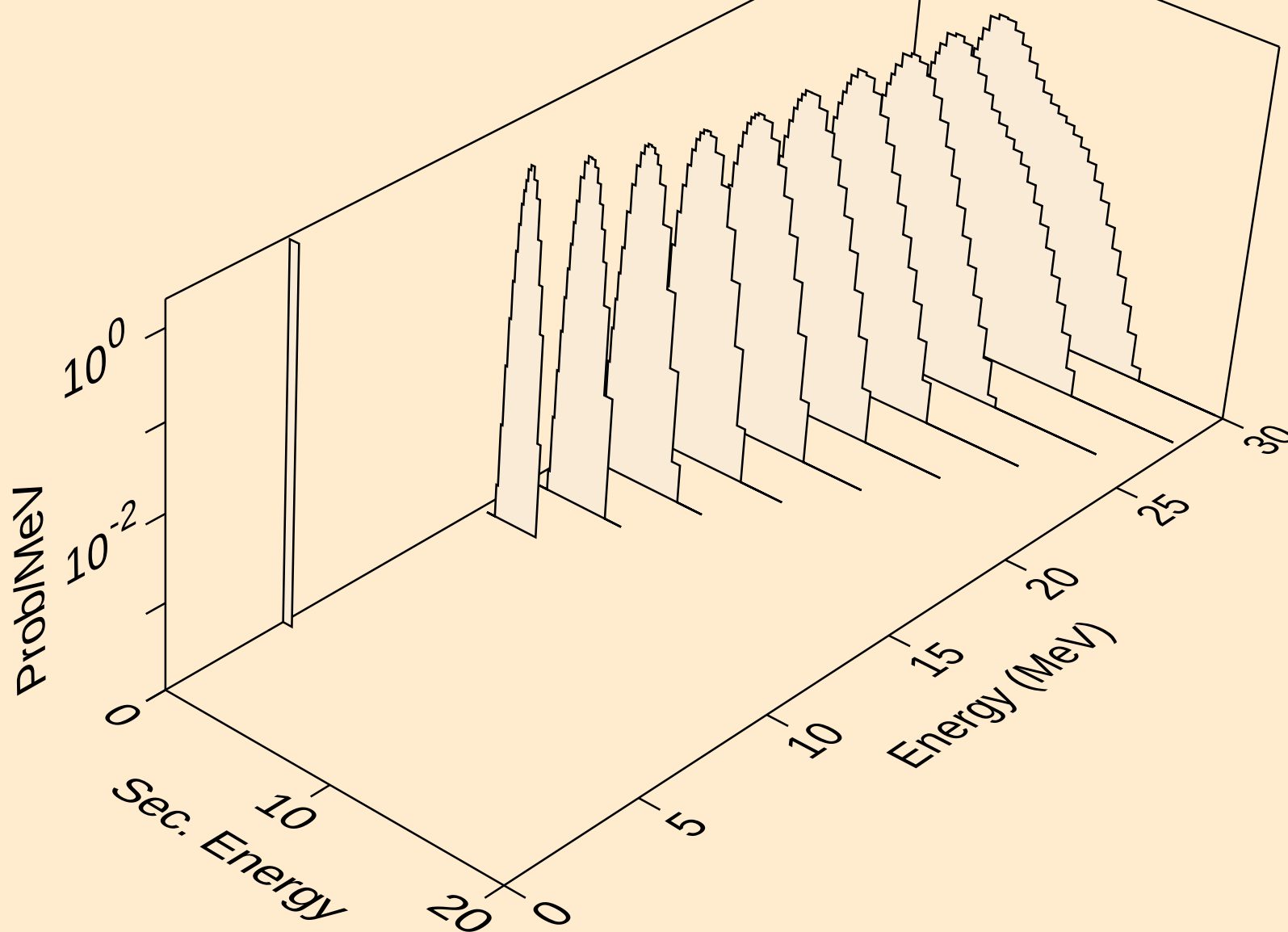
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protons from (s,2np)



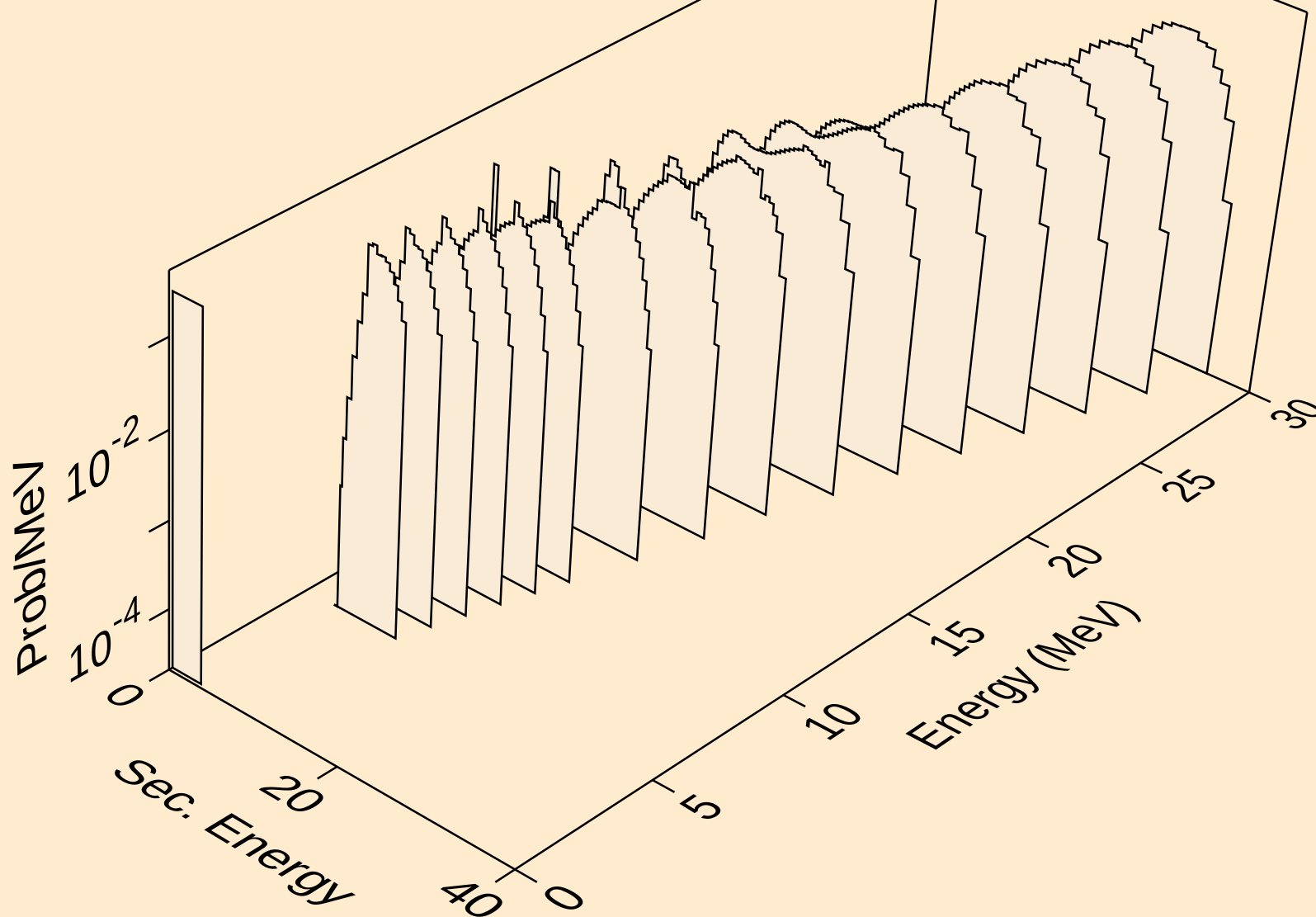
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
protons from (s,n2p)



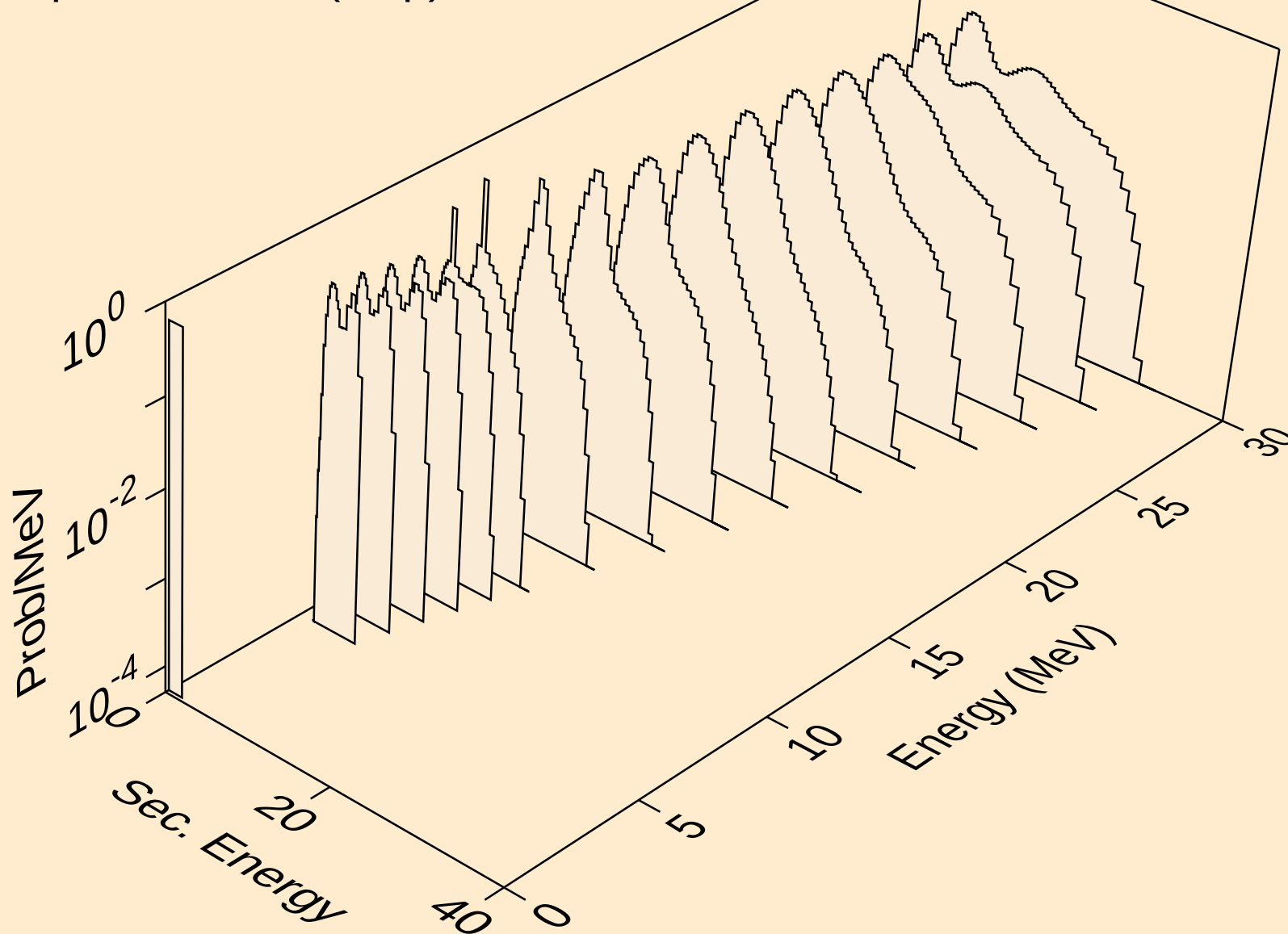
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protons from (s,npa)



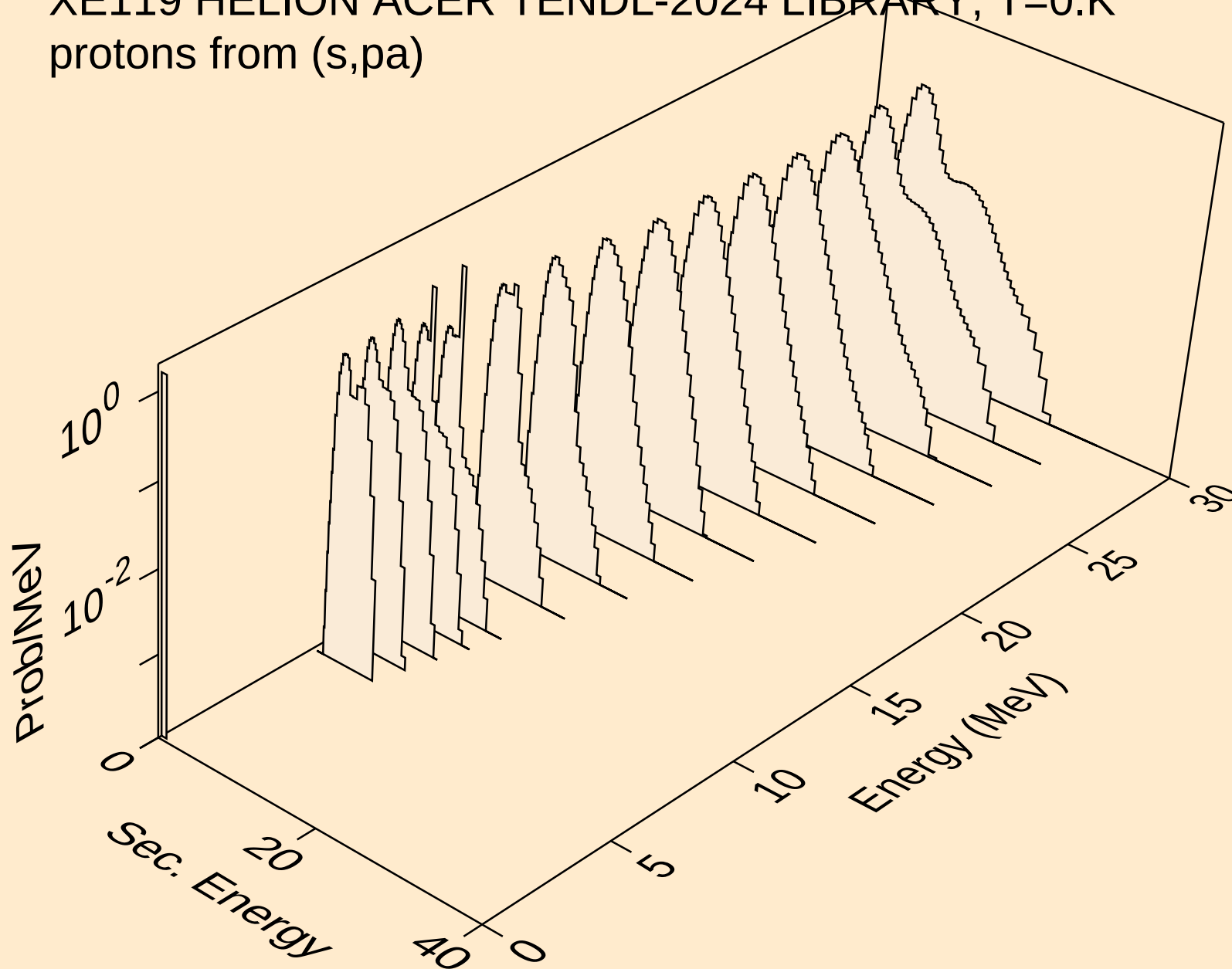
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protons from (s,p)



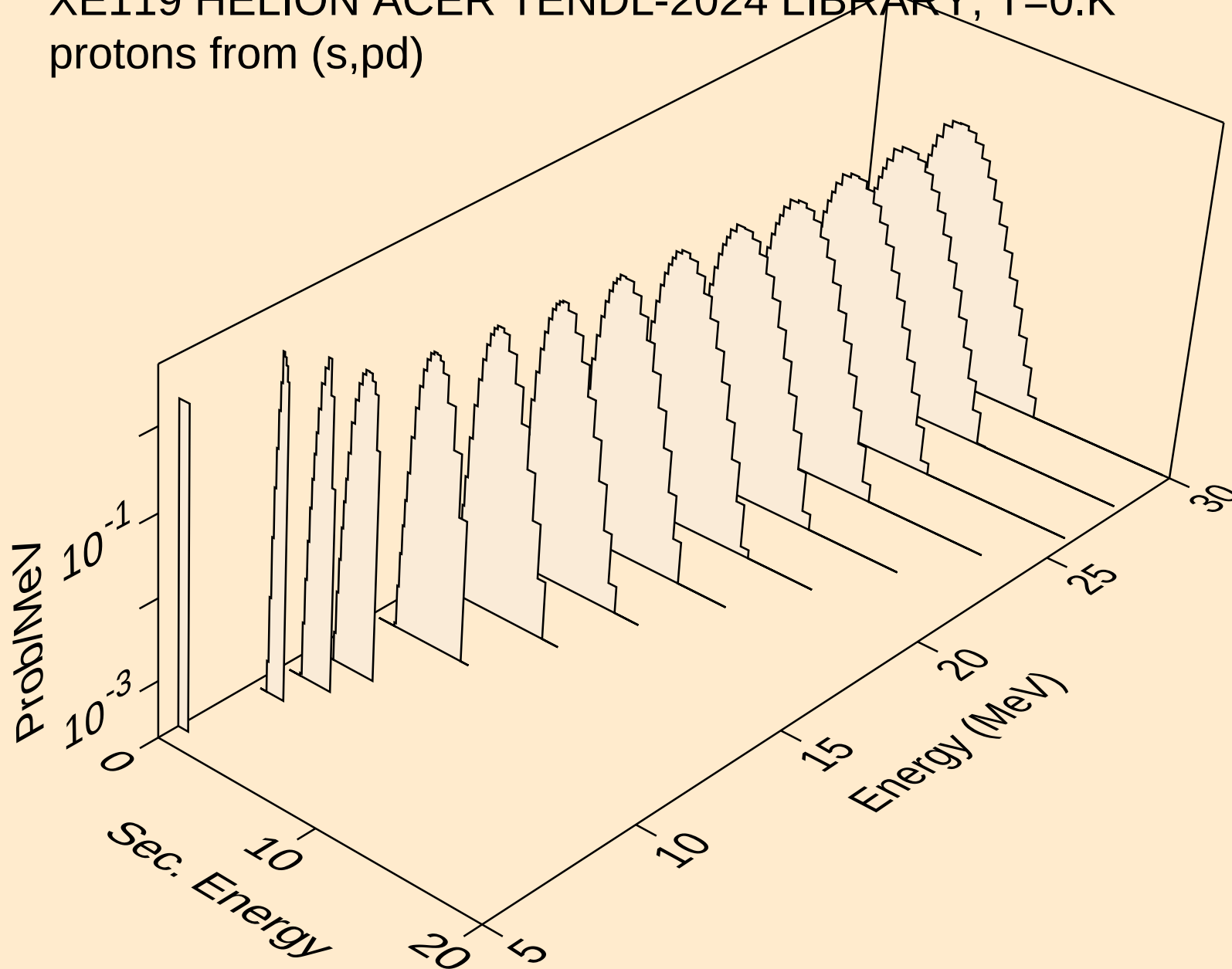
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protons from (s,2p)



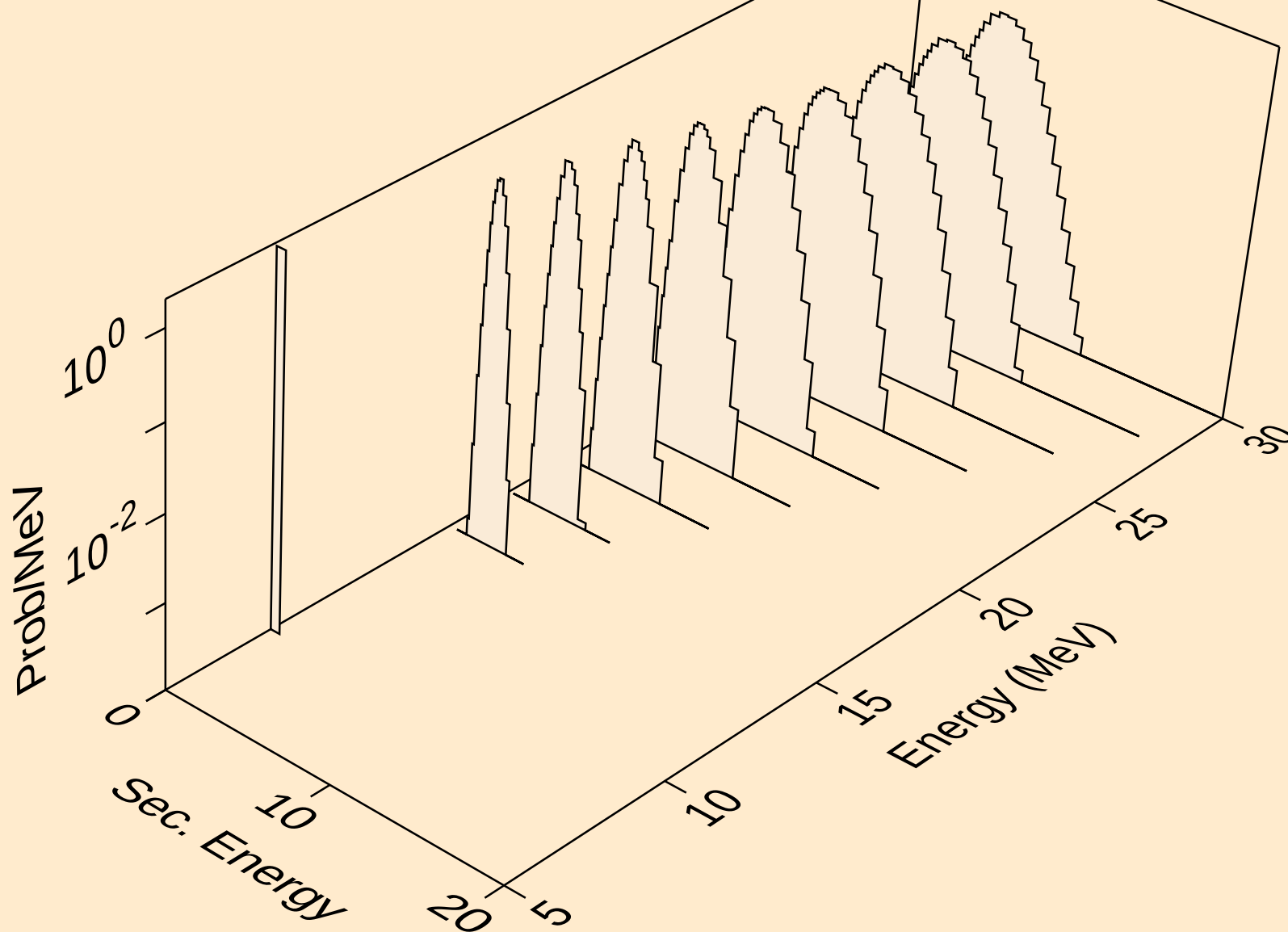
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protons from (s,pa)



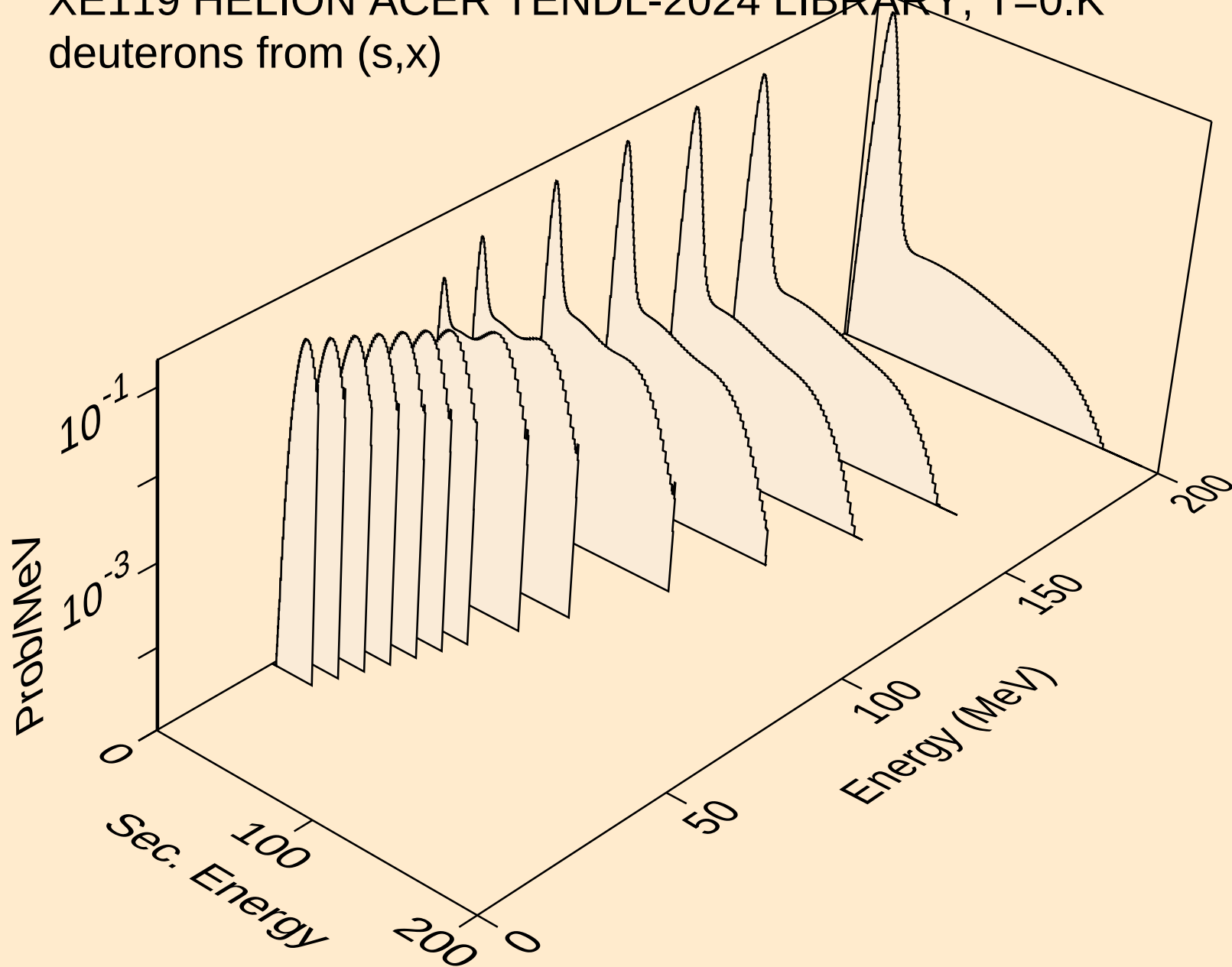
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protons from (s,pd)



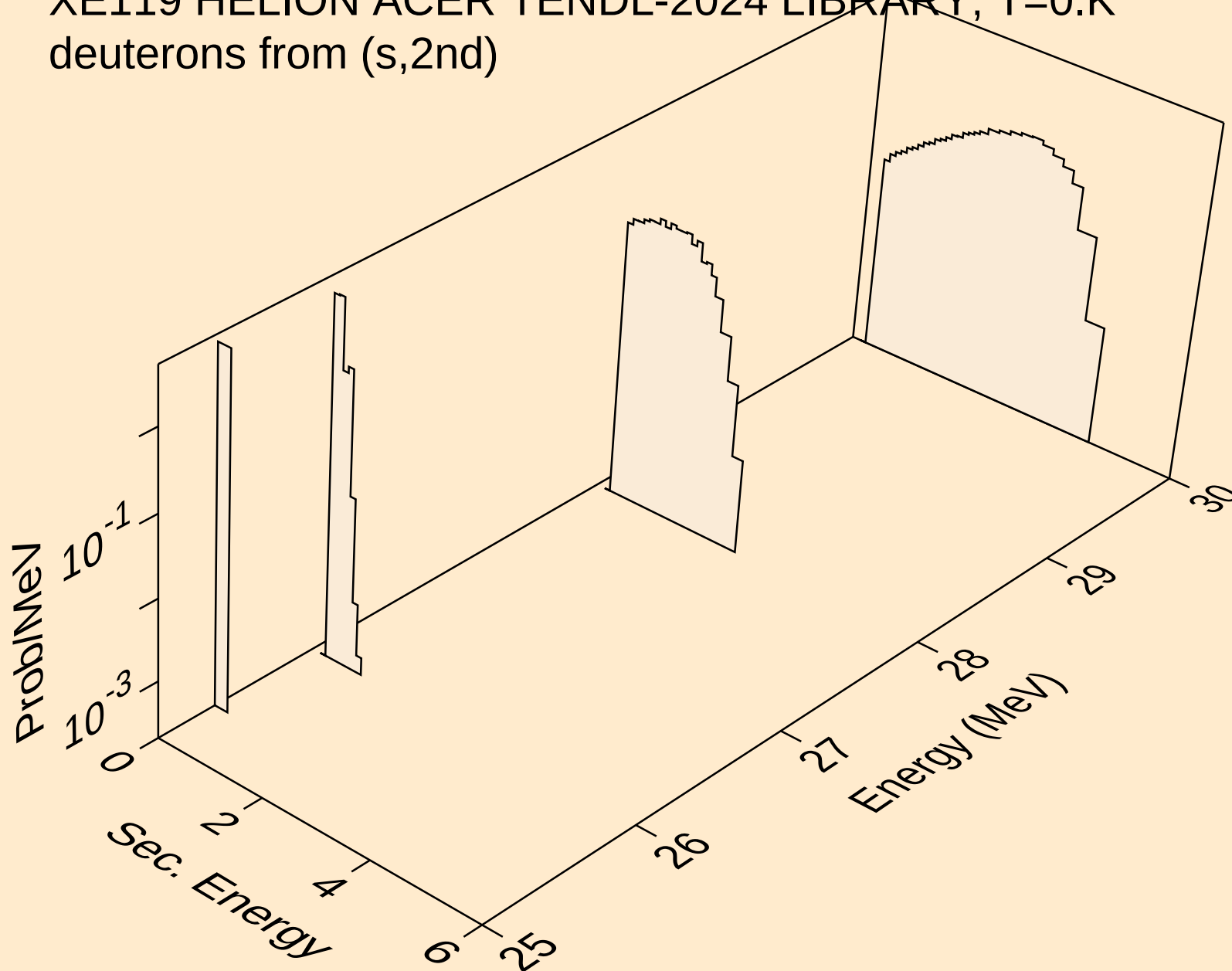
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protons from (s,pt)



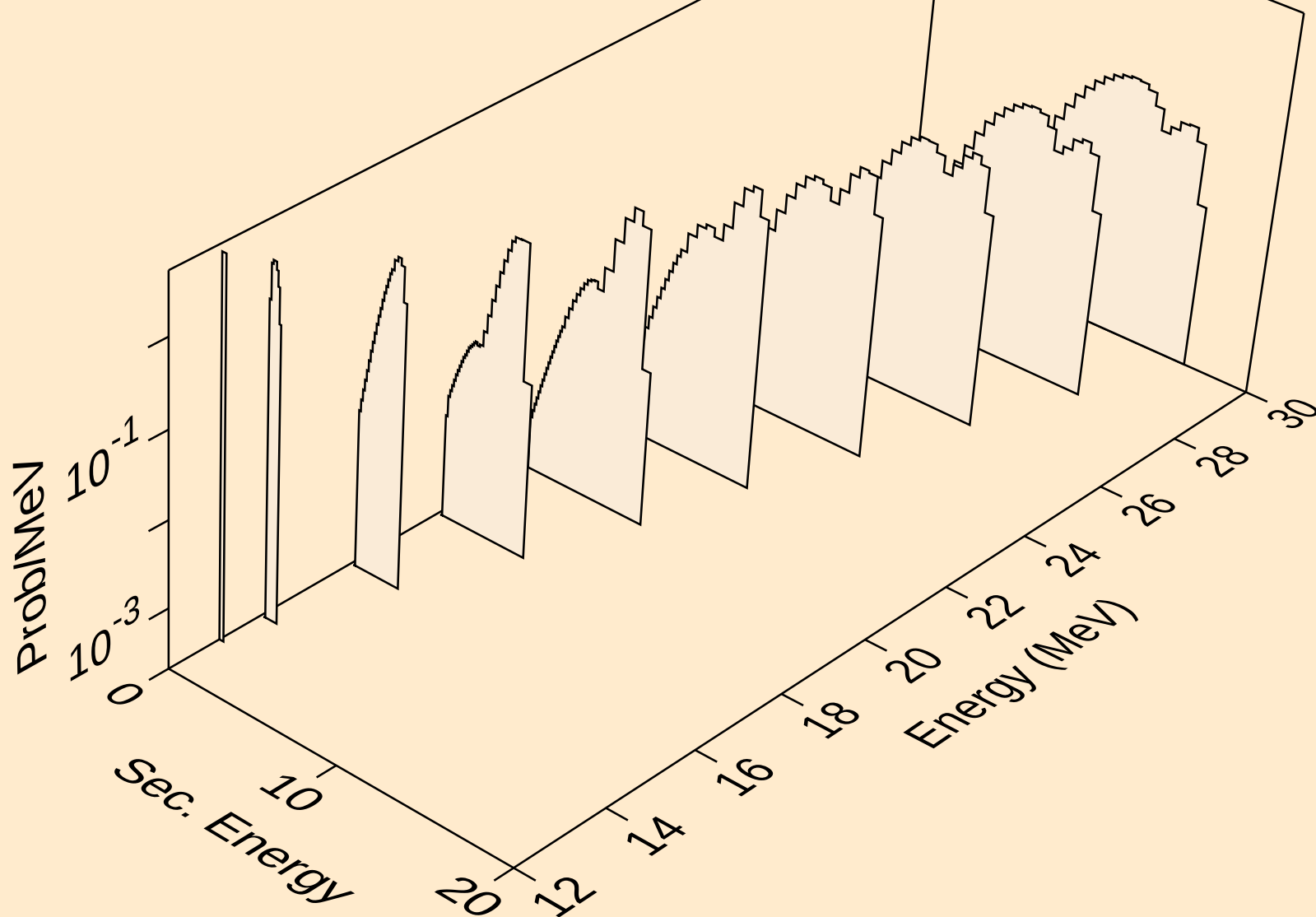
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deuterons from (s,x)



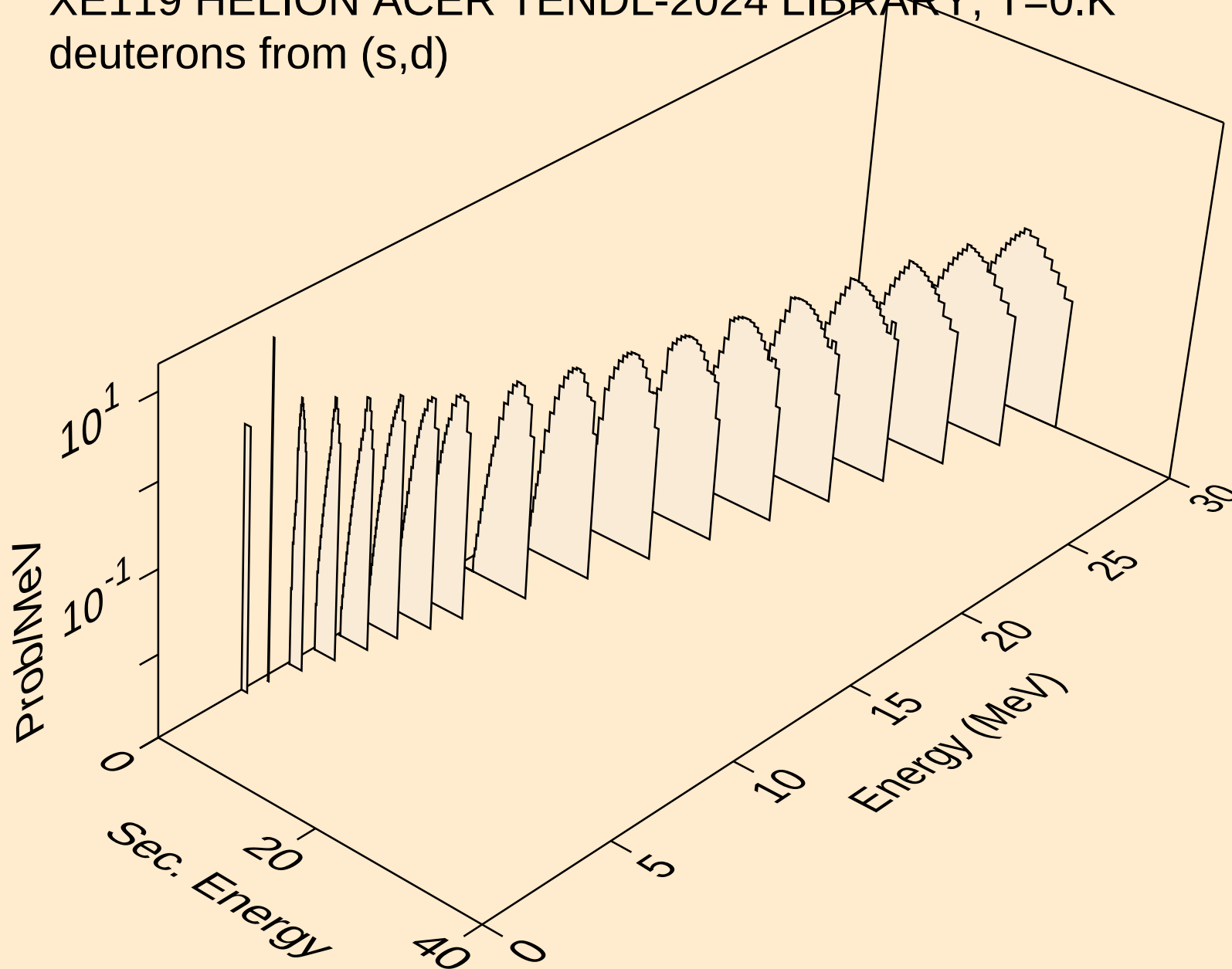
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deuterons from (s,2nd)



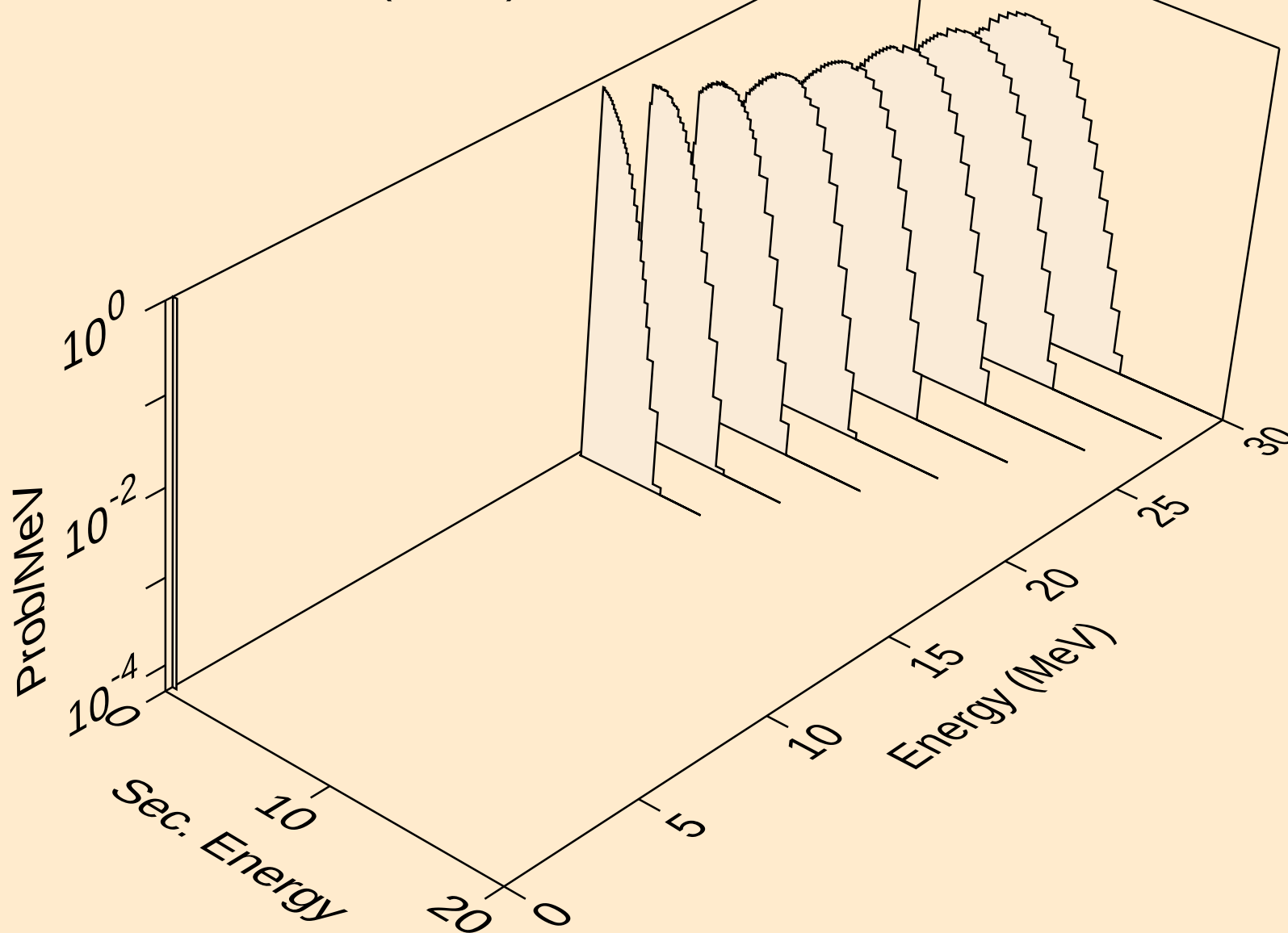
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deuterons from (s,n*)d



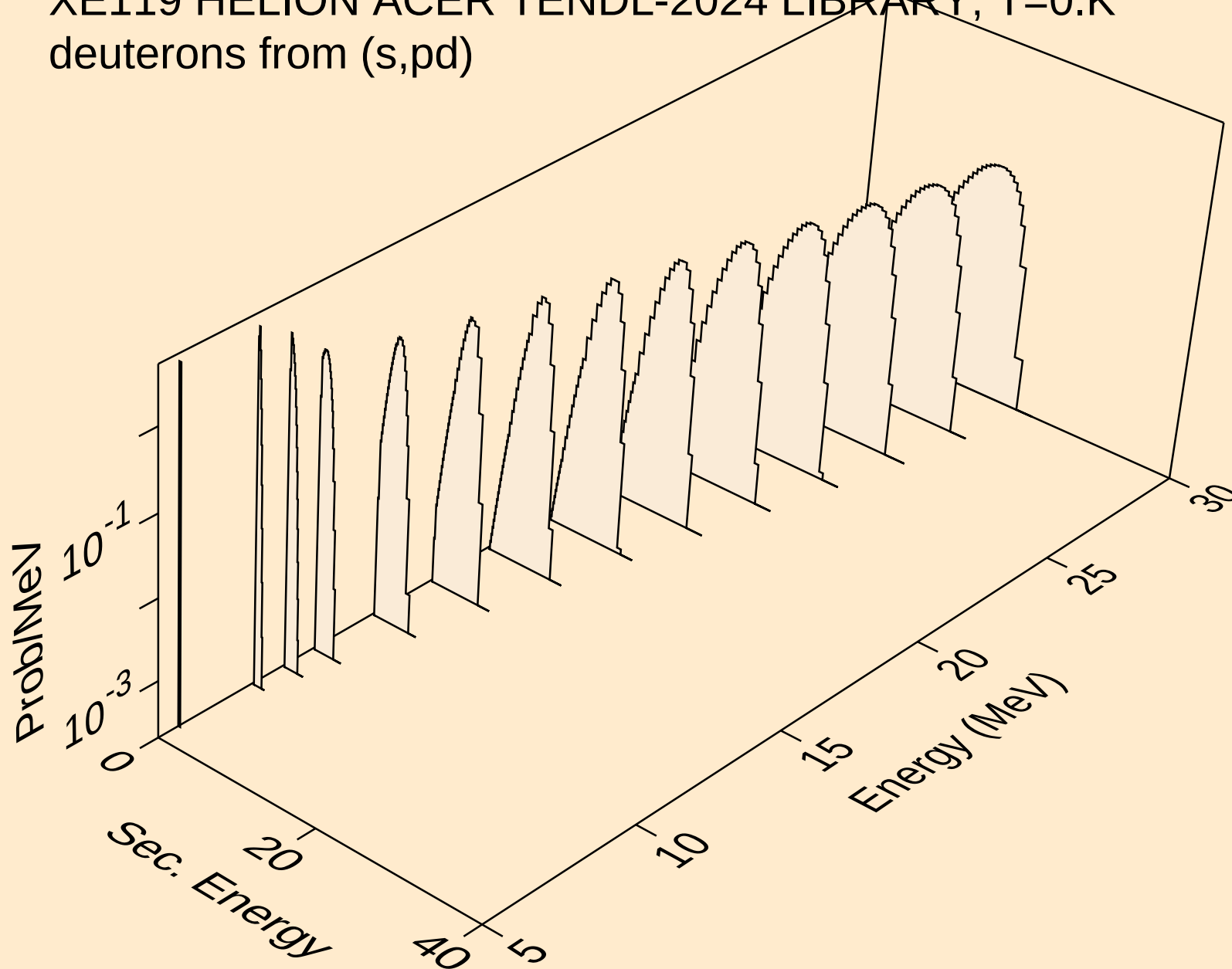
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deuterons from (s,d)



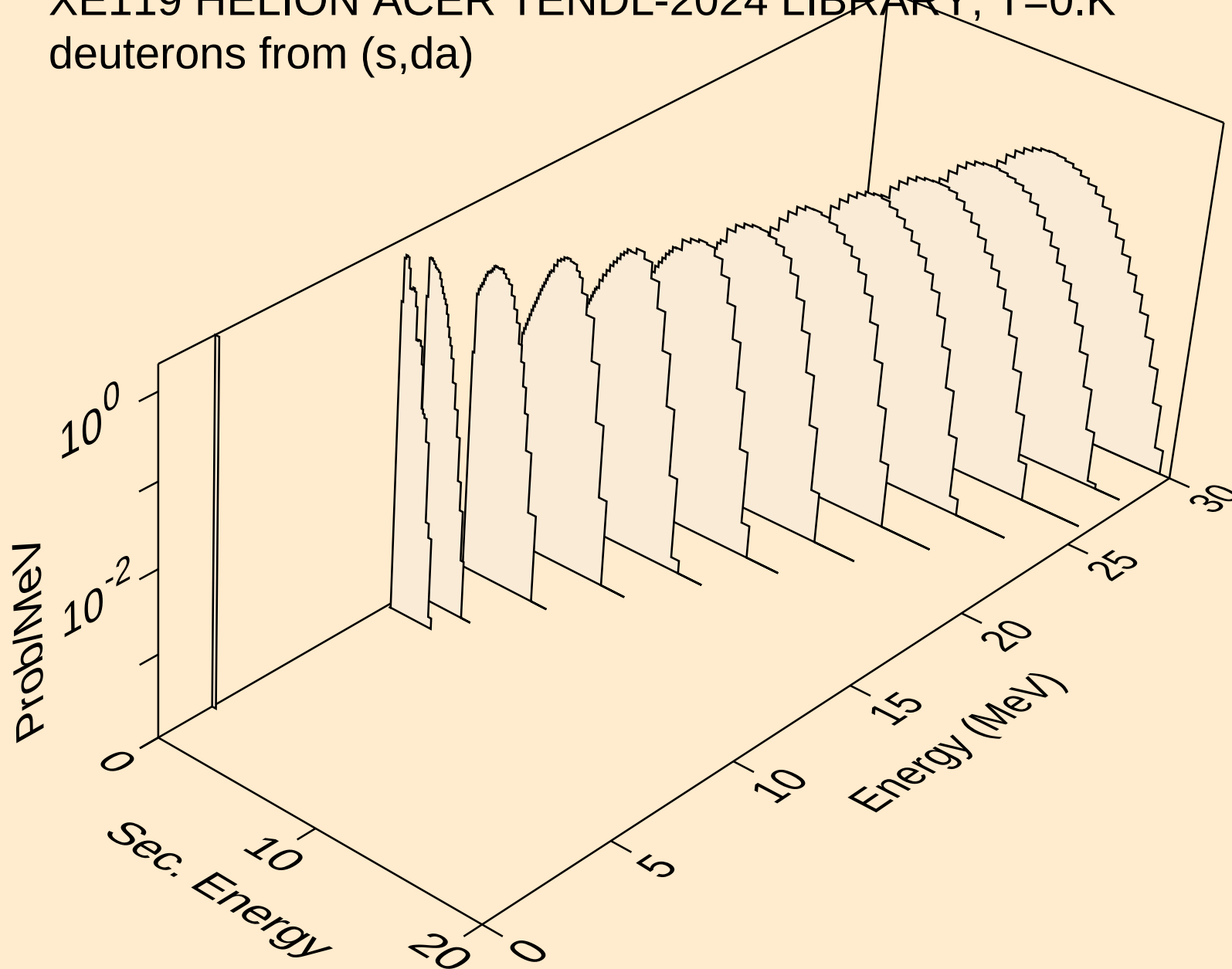
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deuterons from (s,d2a)



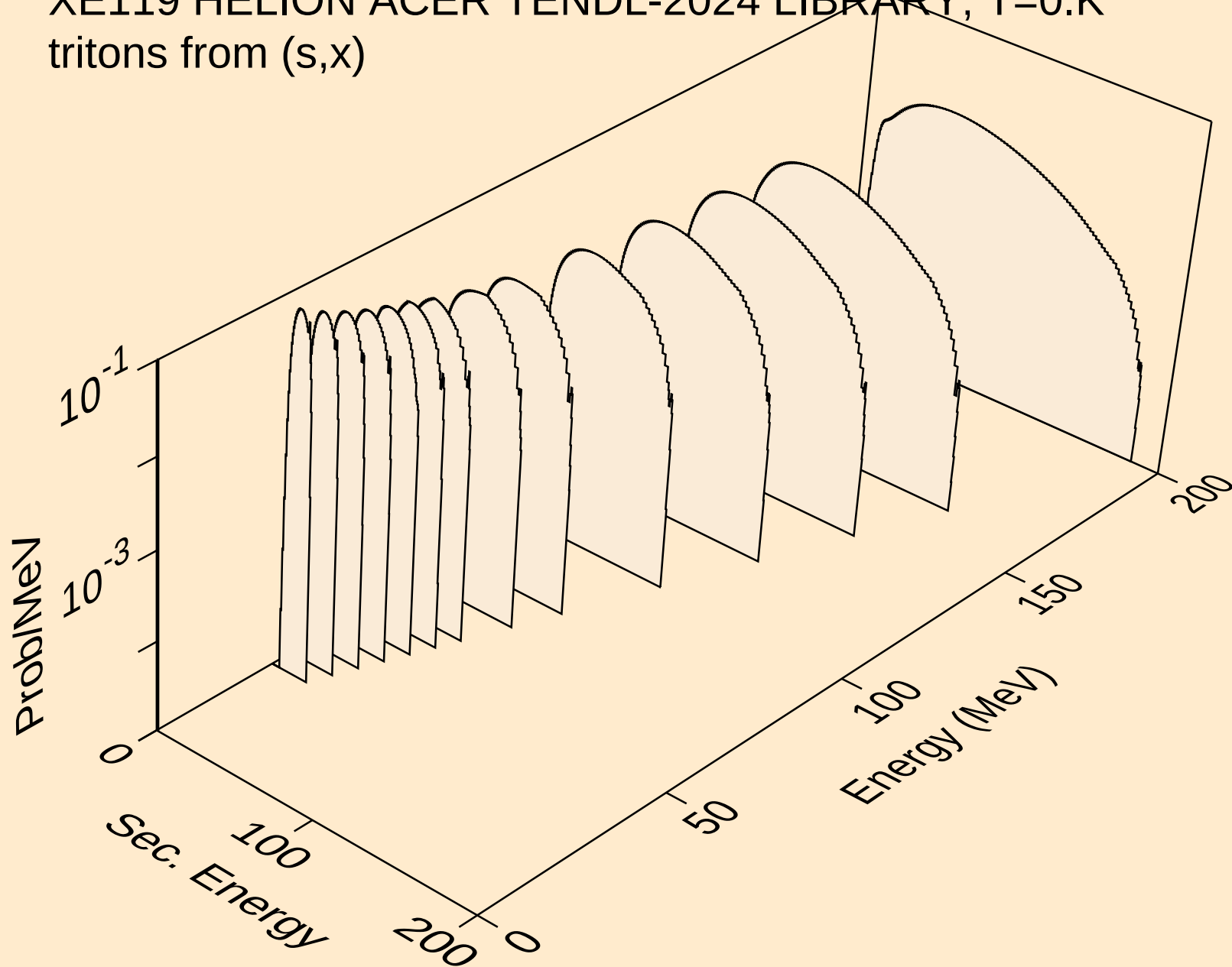
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deuterons from (s,pd)



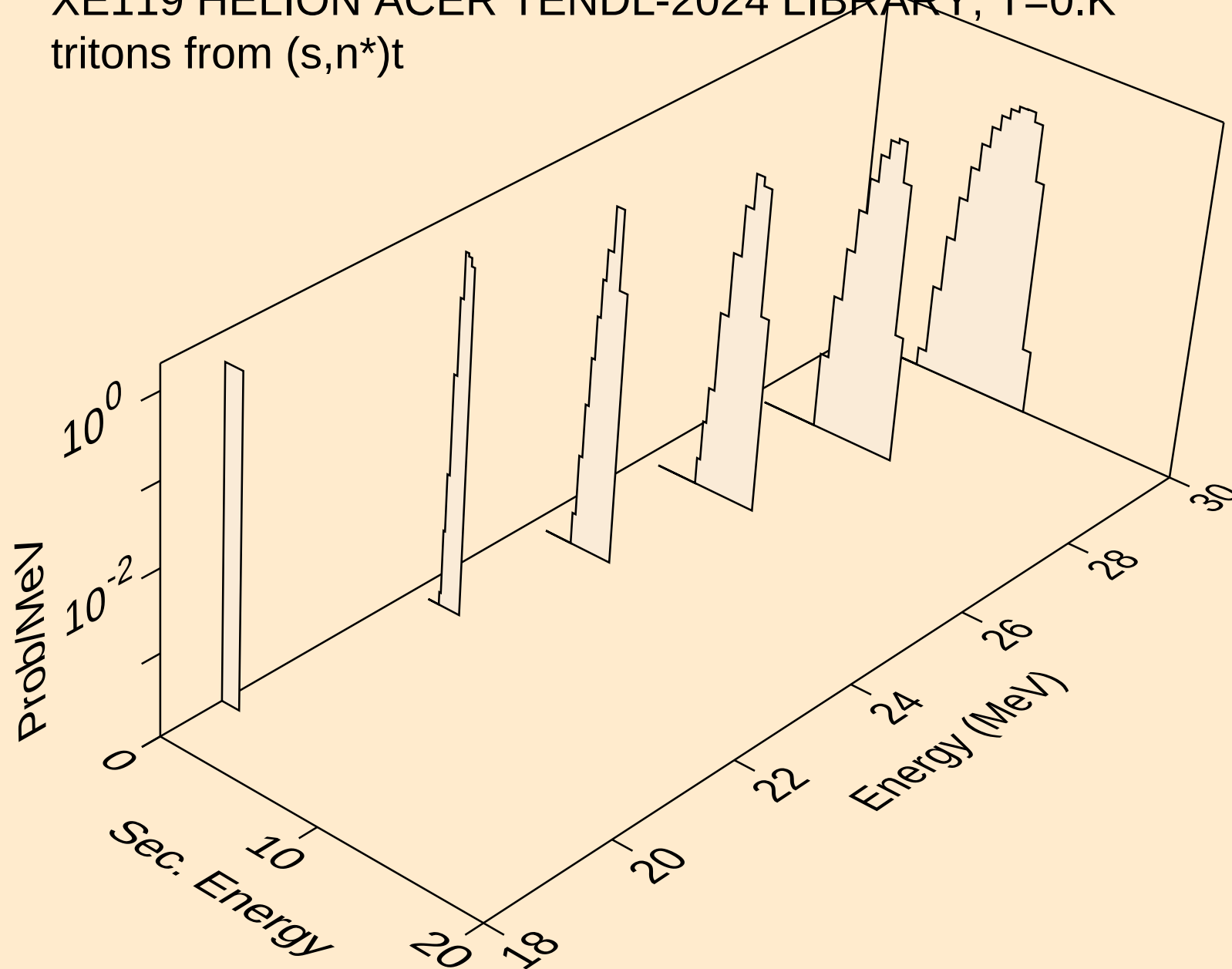
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deuterons from (s,da)



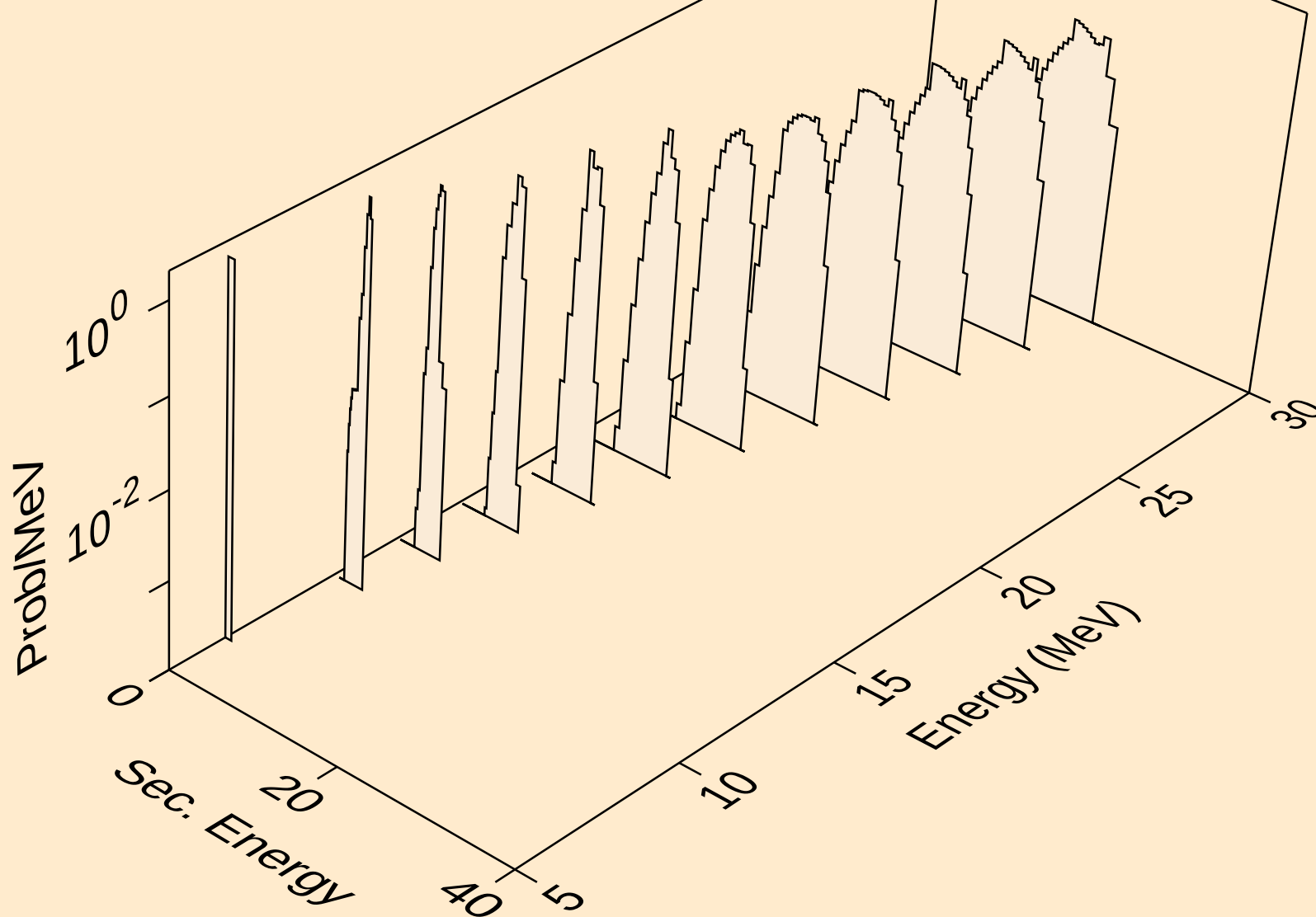
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tritons from (s,x)



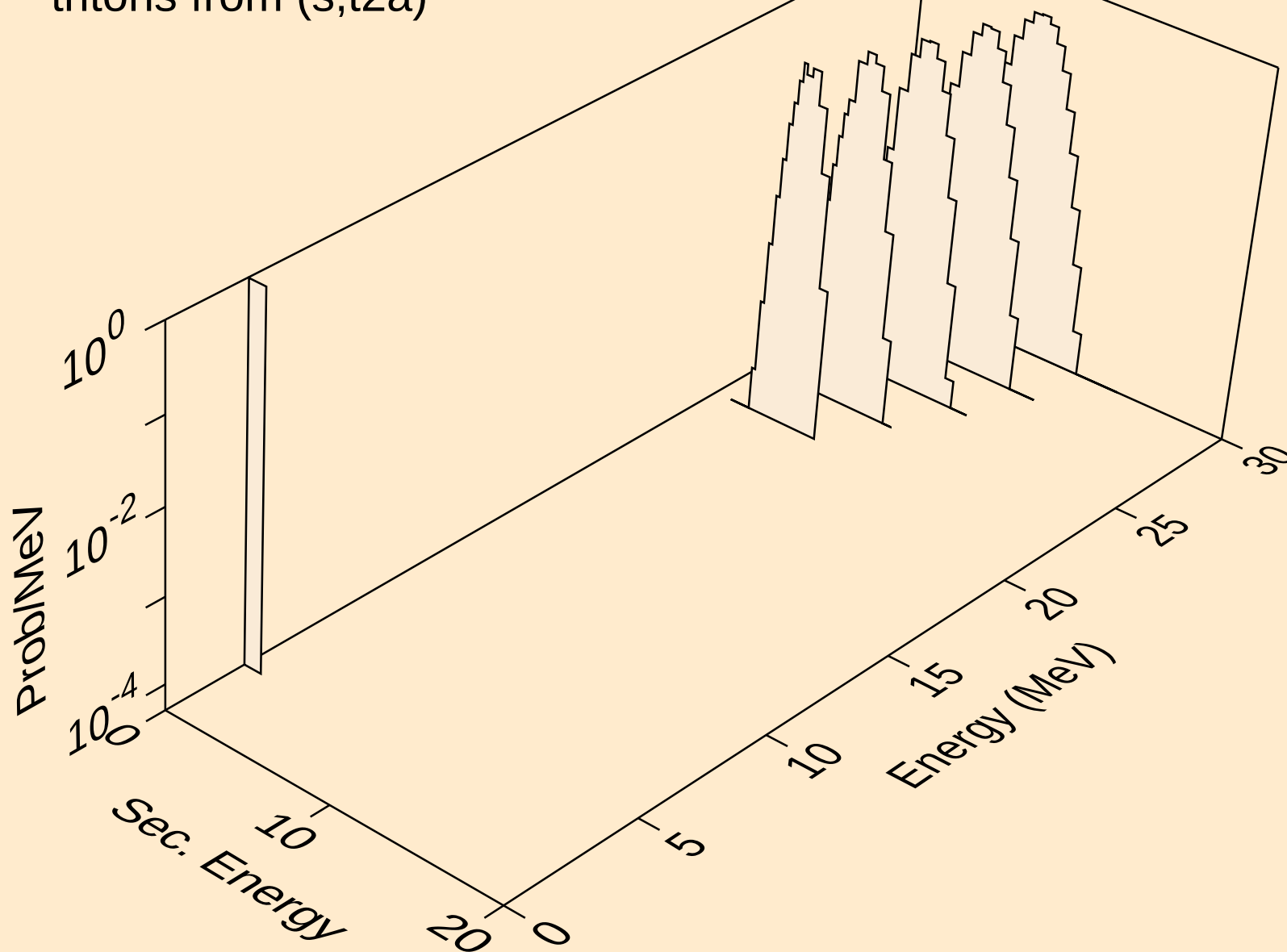
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tritons from (s,n*)t



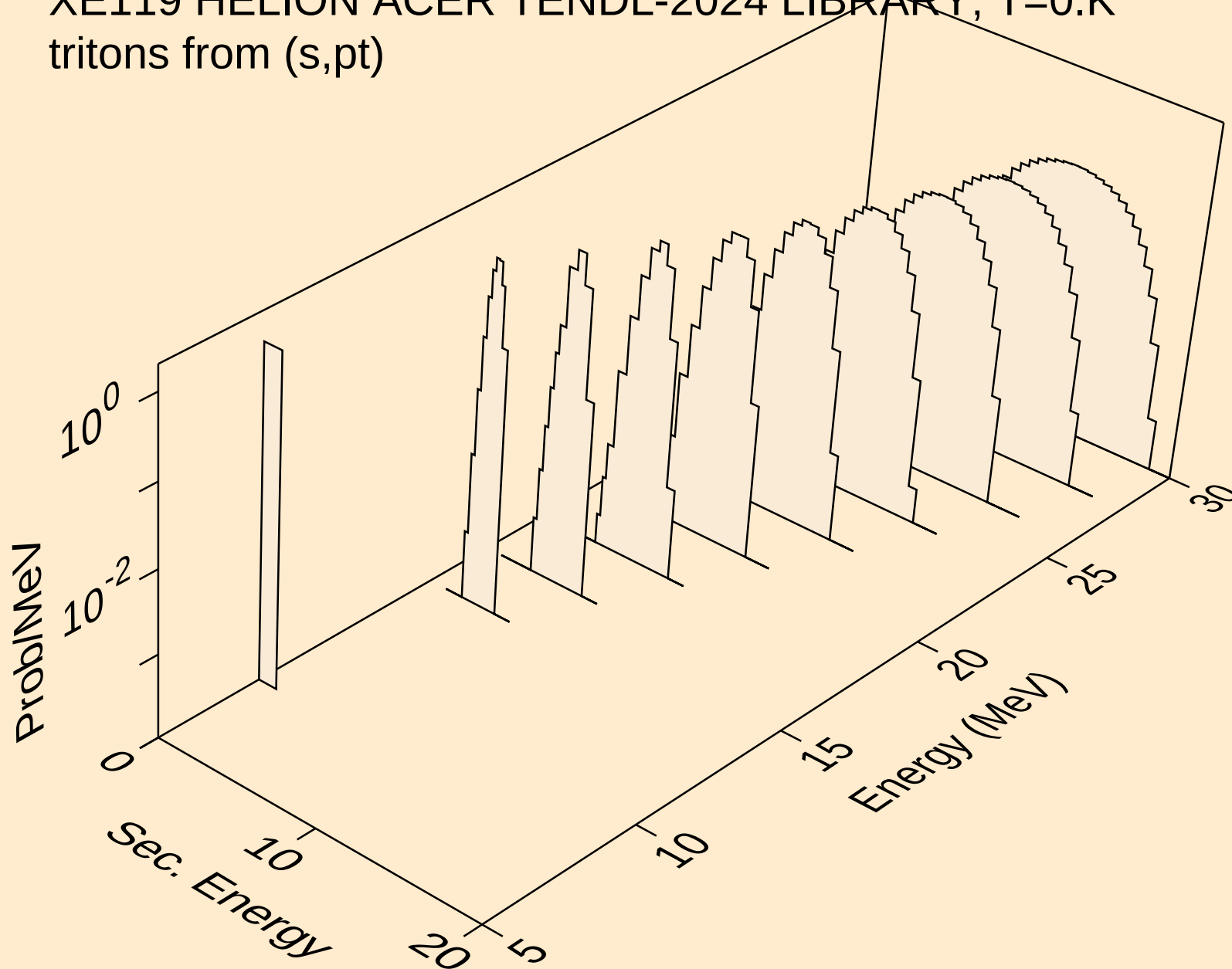
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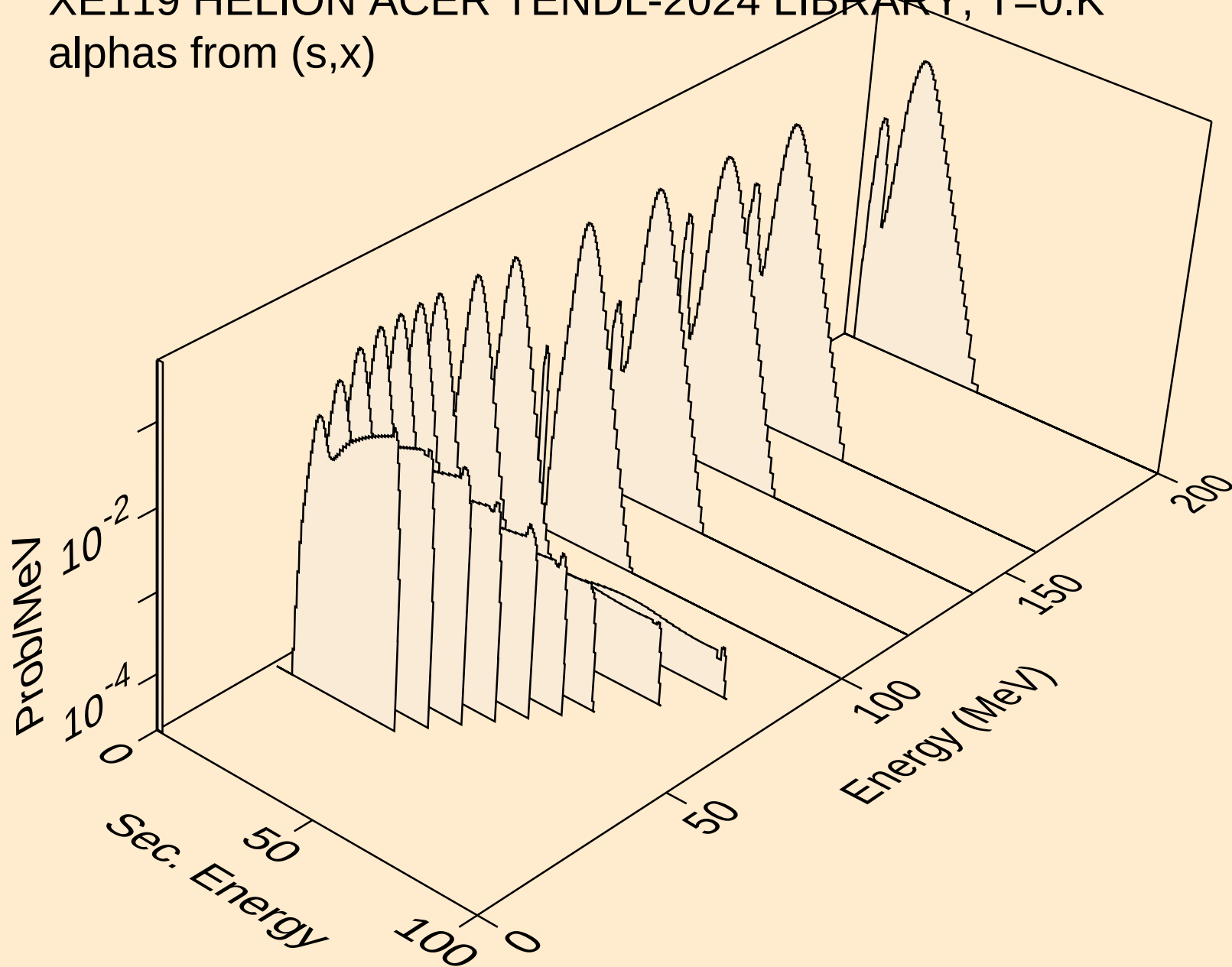
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tritons from (s,t2a)



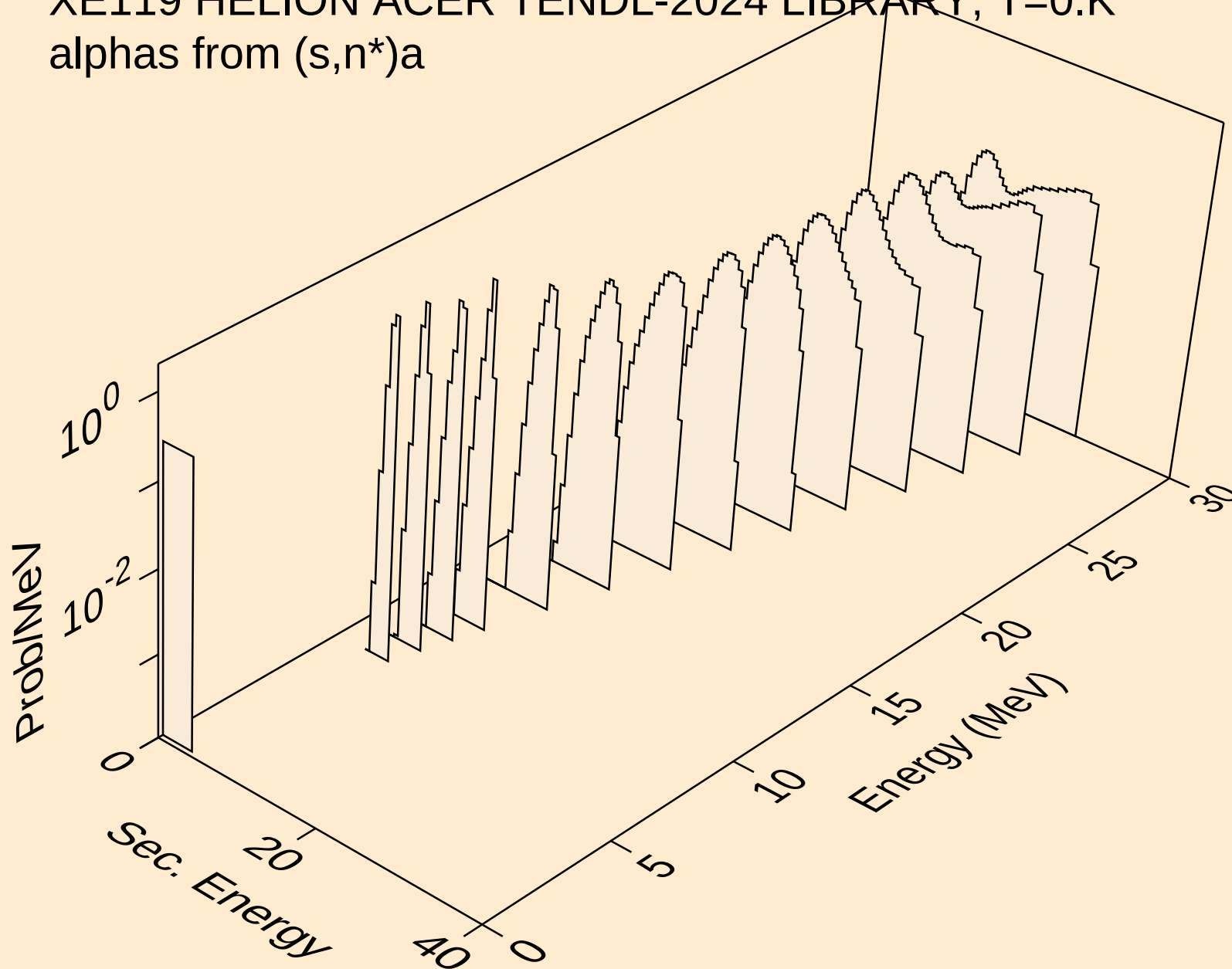
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tritons from (s,pt)



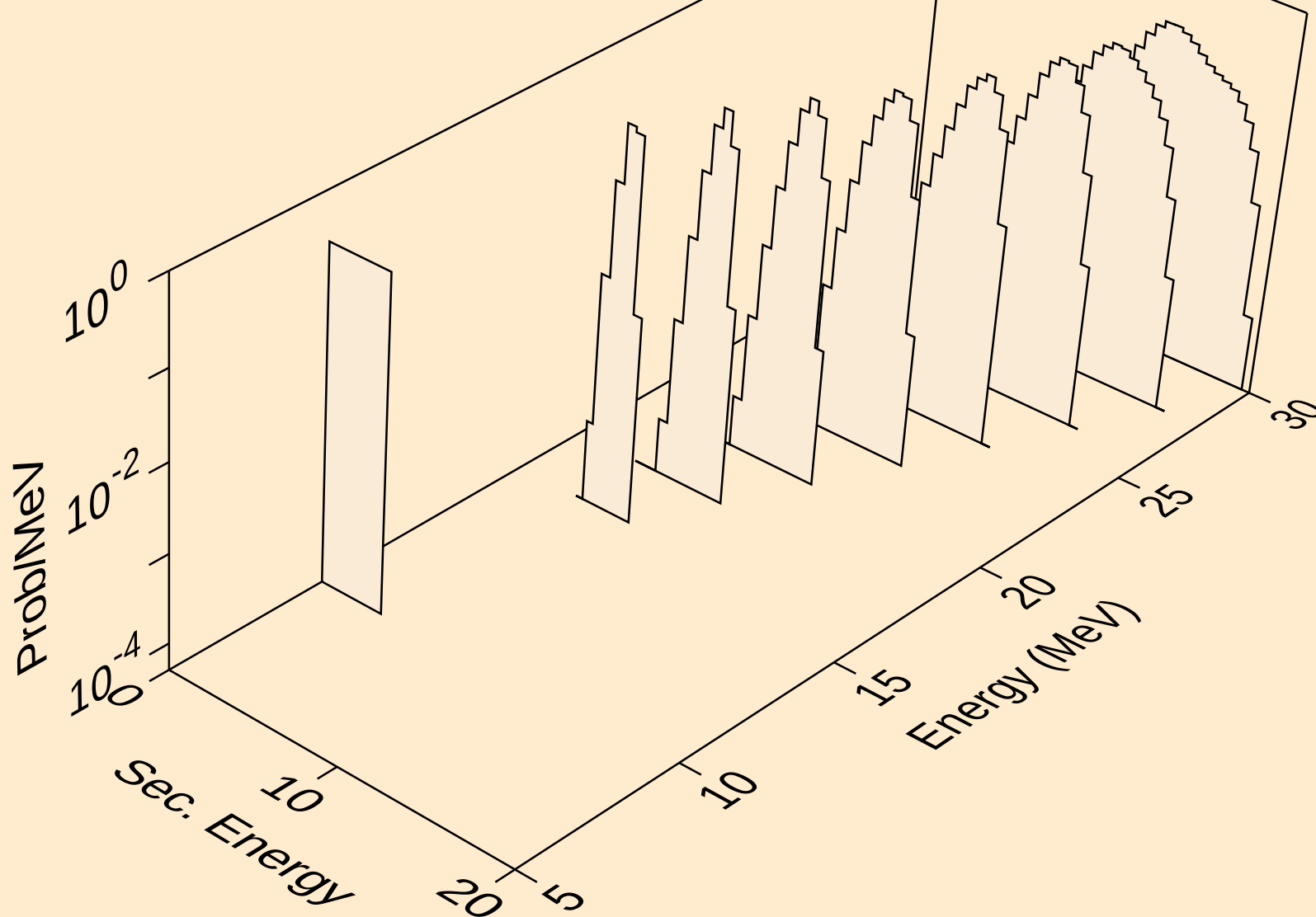
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,x)



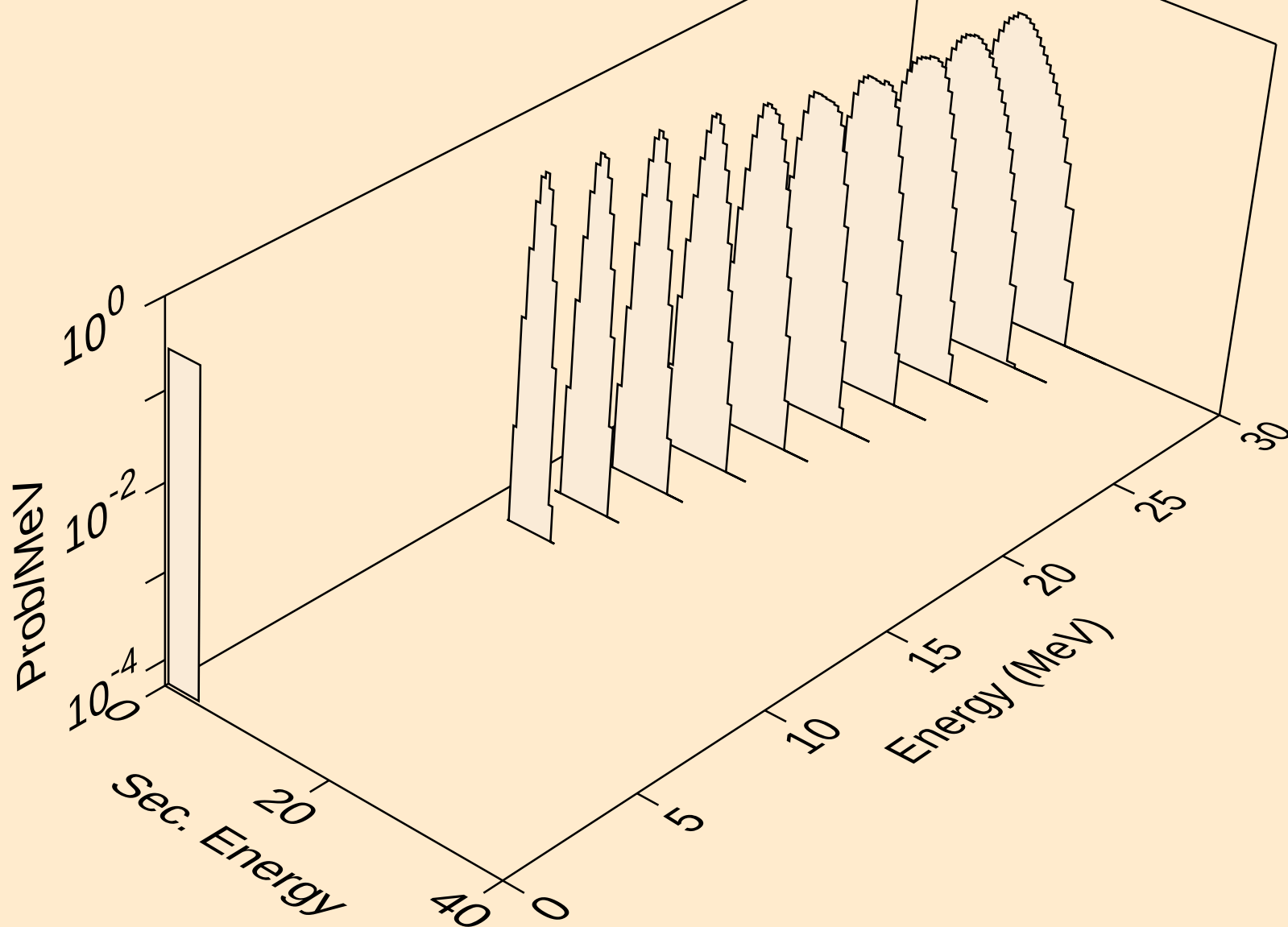
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alphas from (s,n*)a



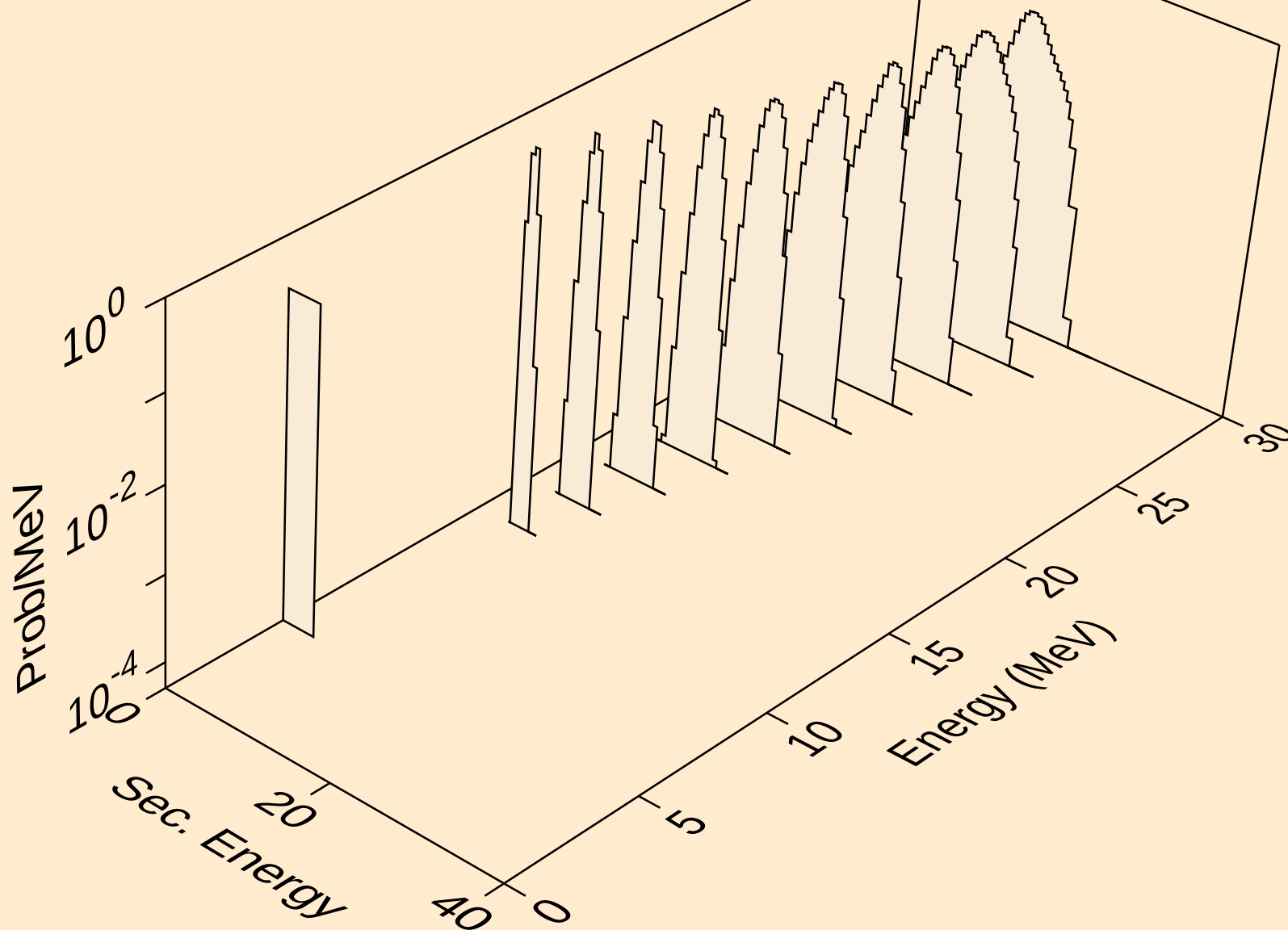
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alphas from (s,2n)a



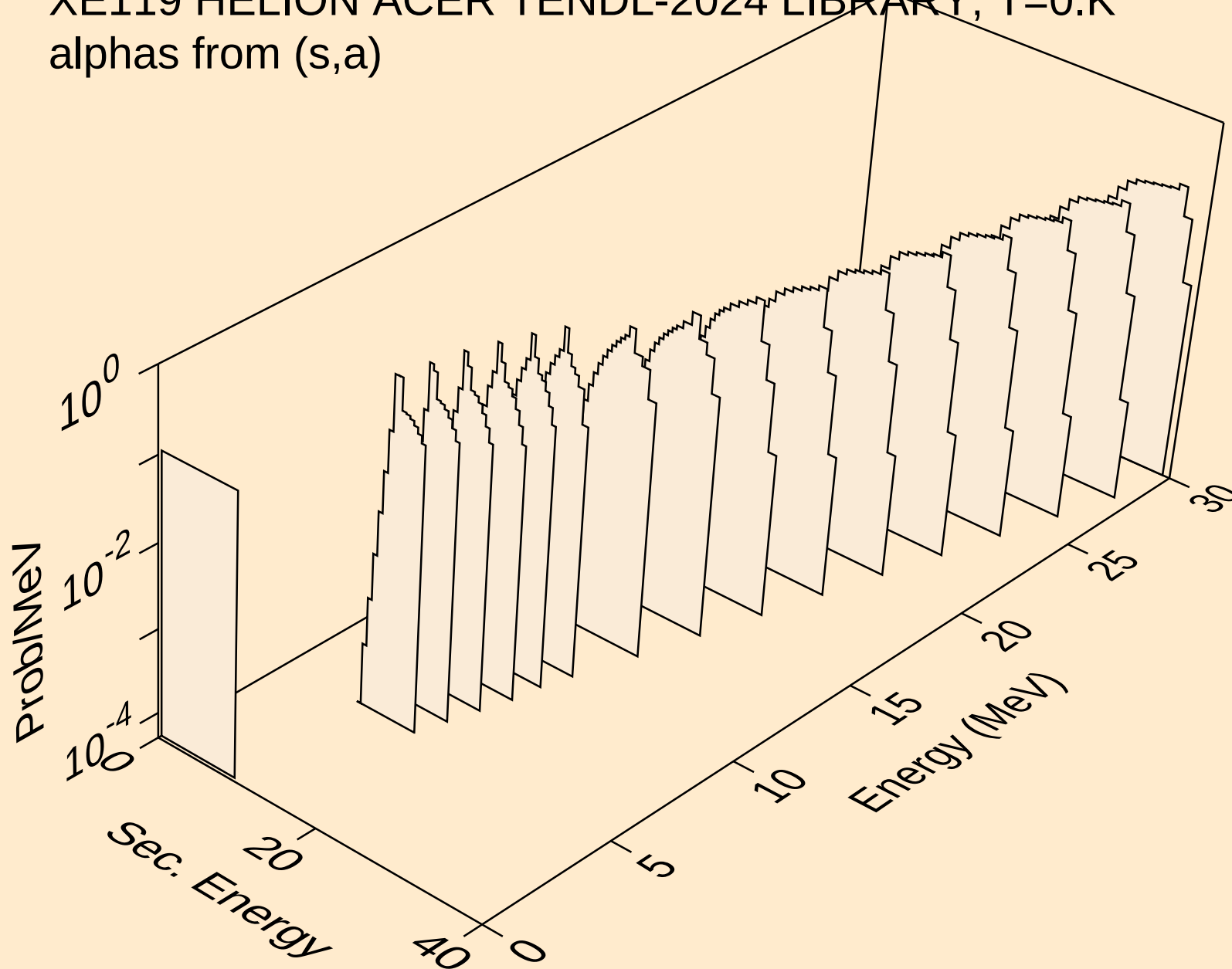
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alphas from (s,n*)2a



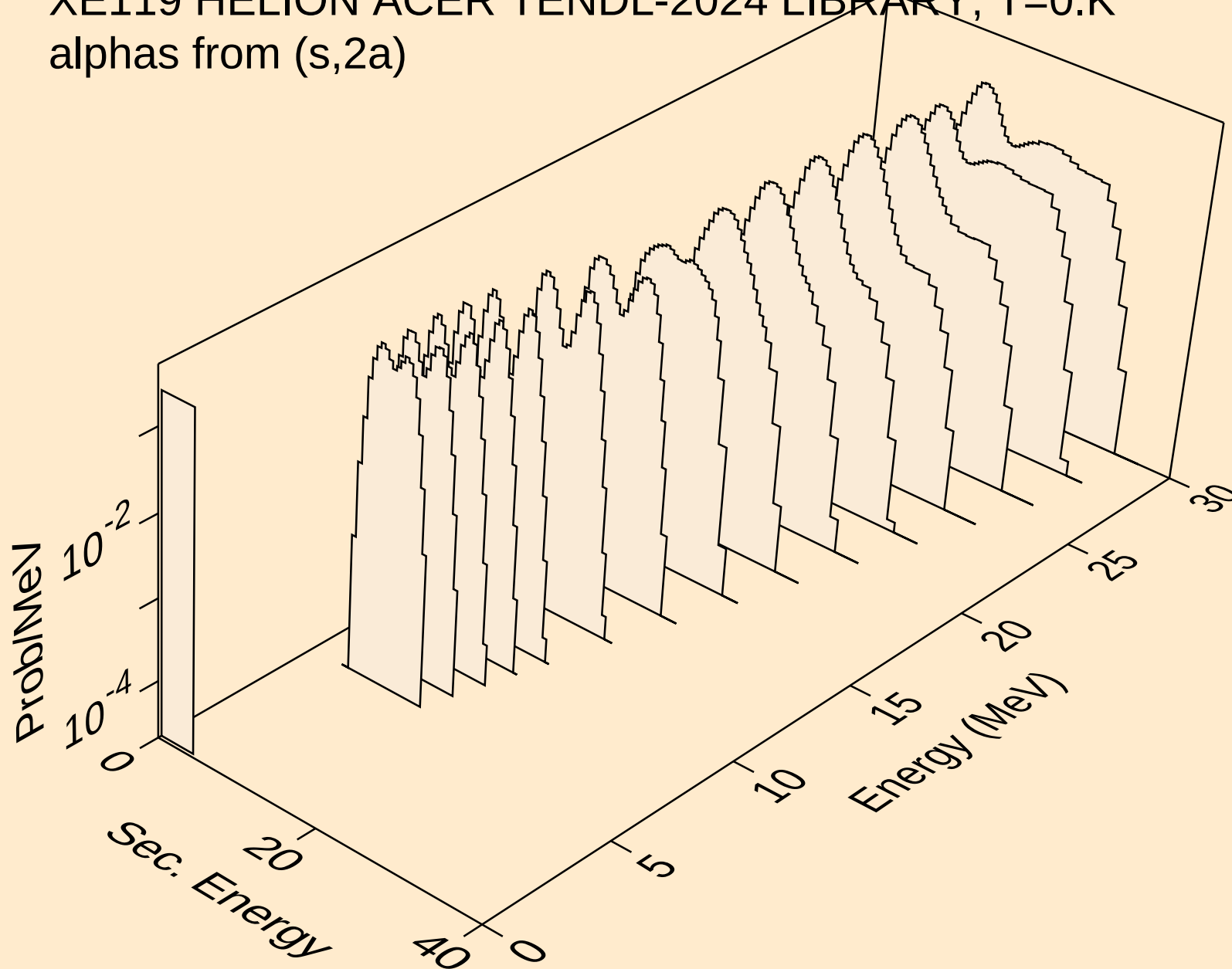
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alphas from (s,npa)



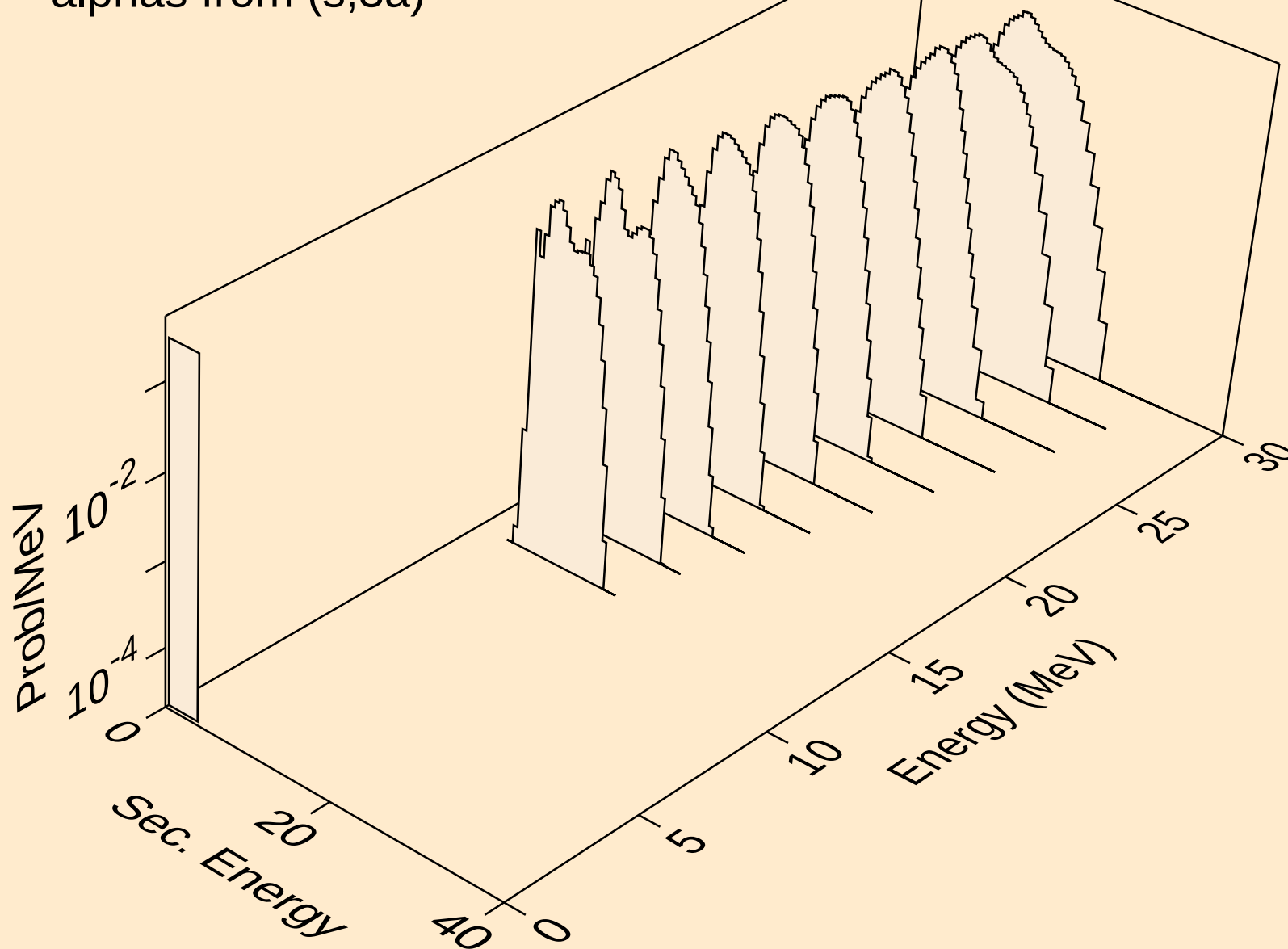
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alphas from (s,a)



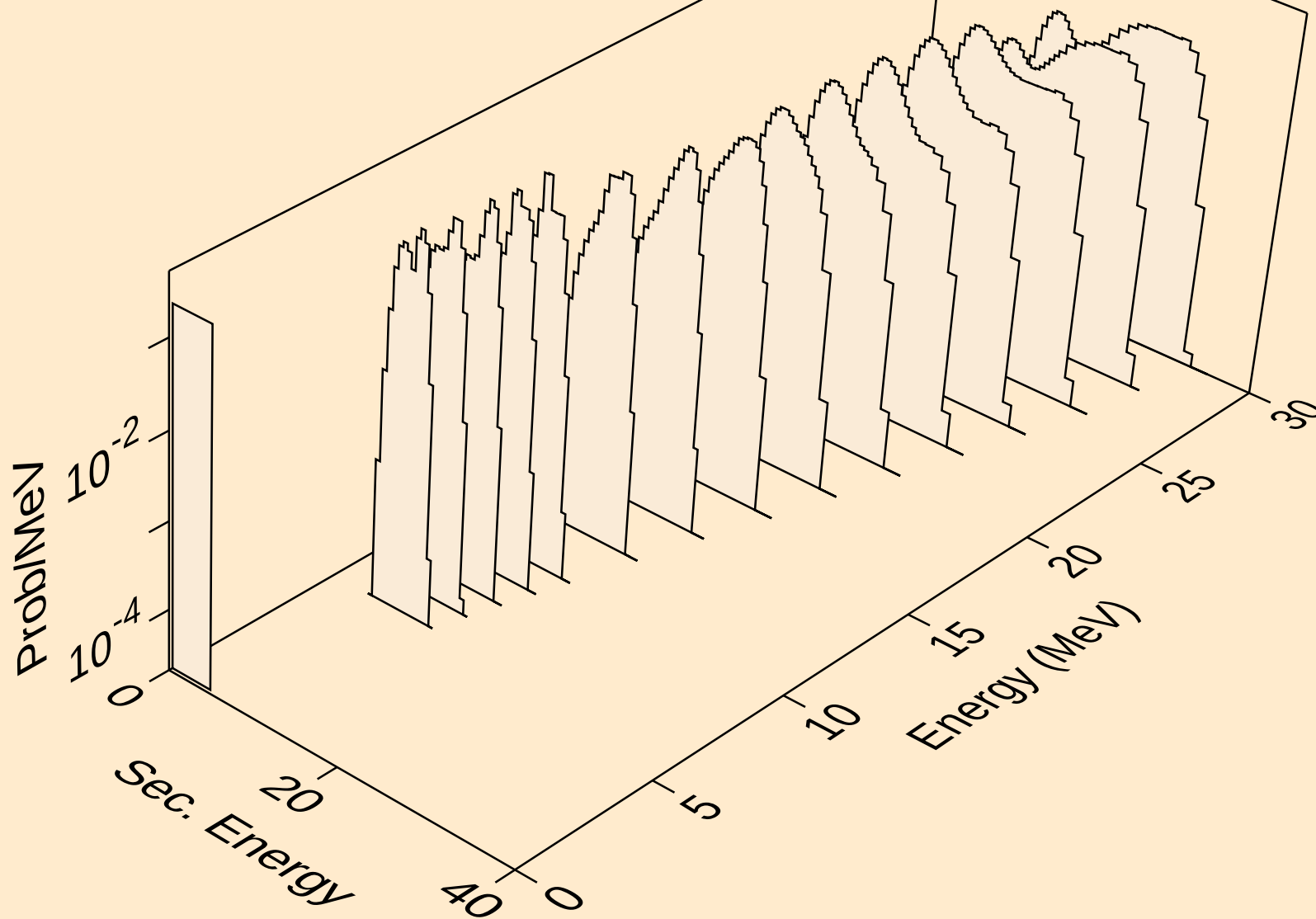
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alphas from (s,2a)



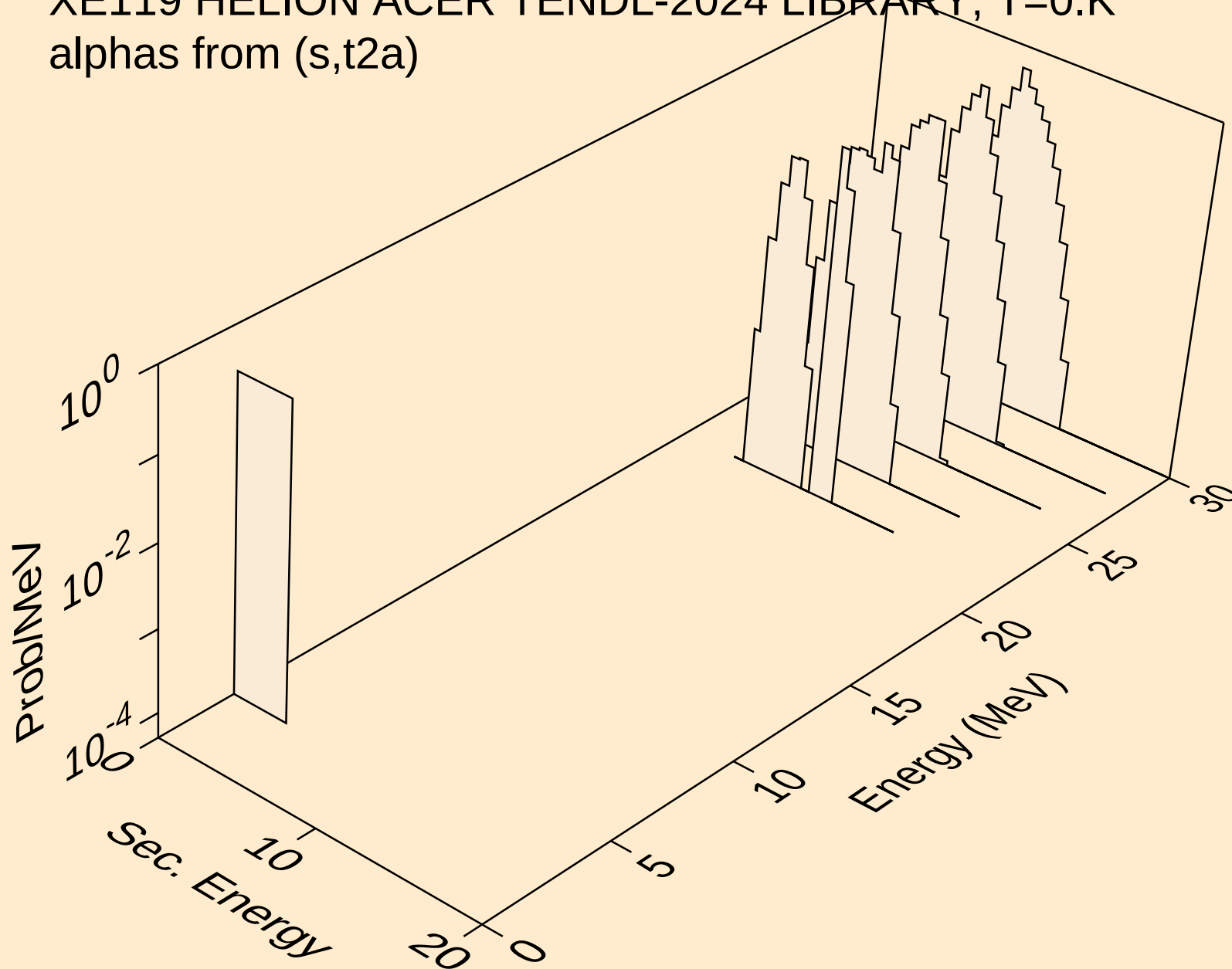
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,3a)



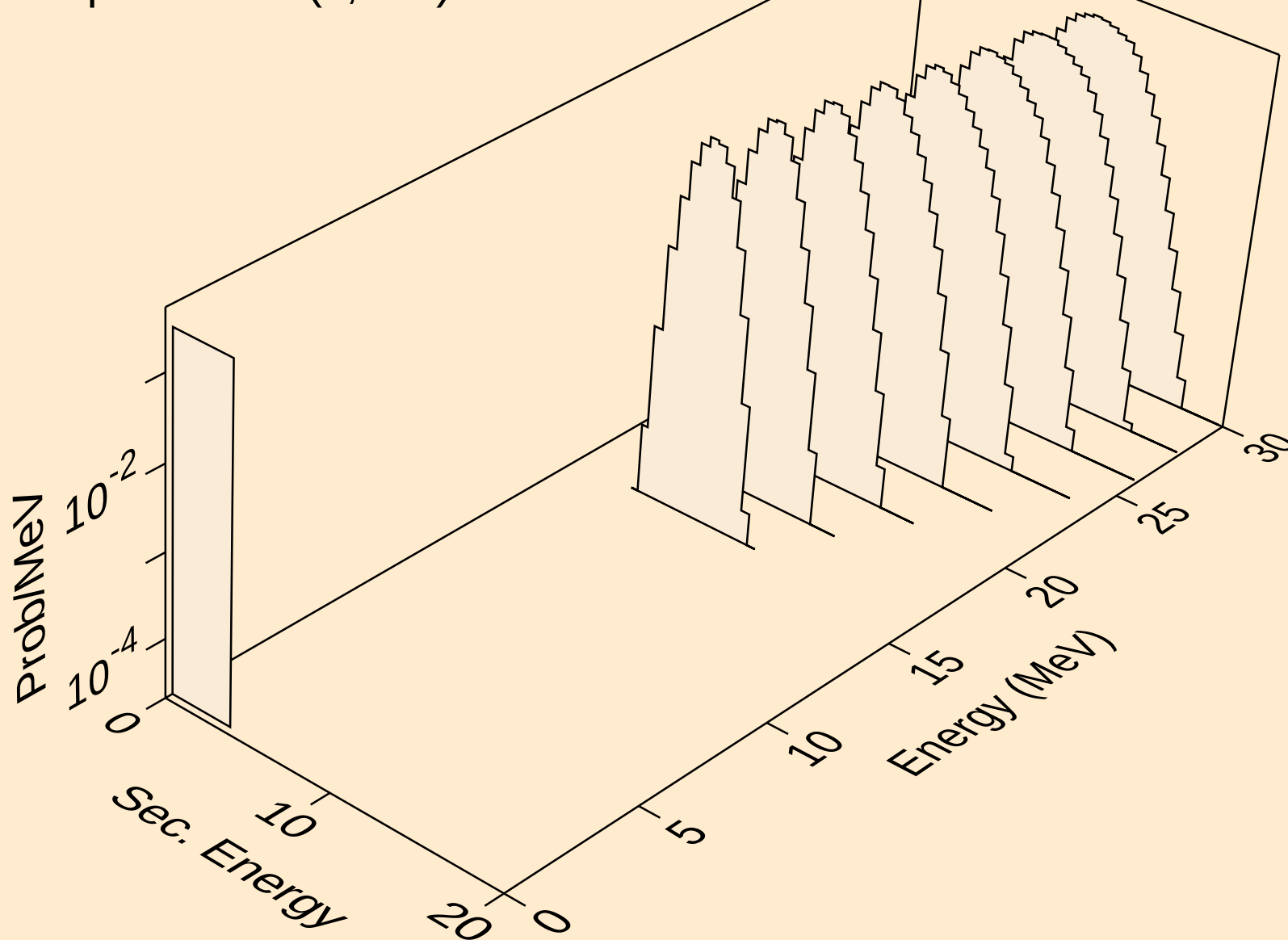
XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,pa)



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,t2a)



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,d2a)



XE119 HELION ACER TENDL-2024 LIBRARY; T=0.K
alphas from (s,da)

