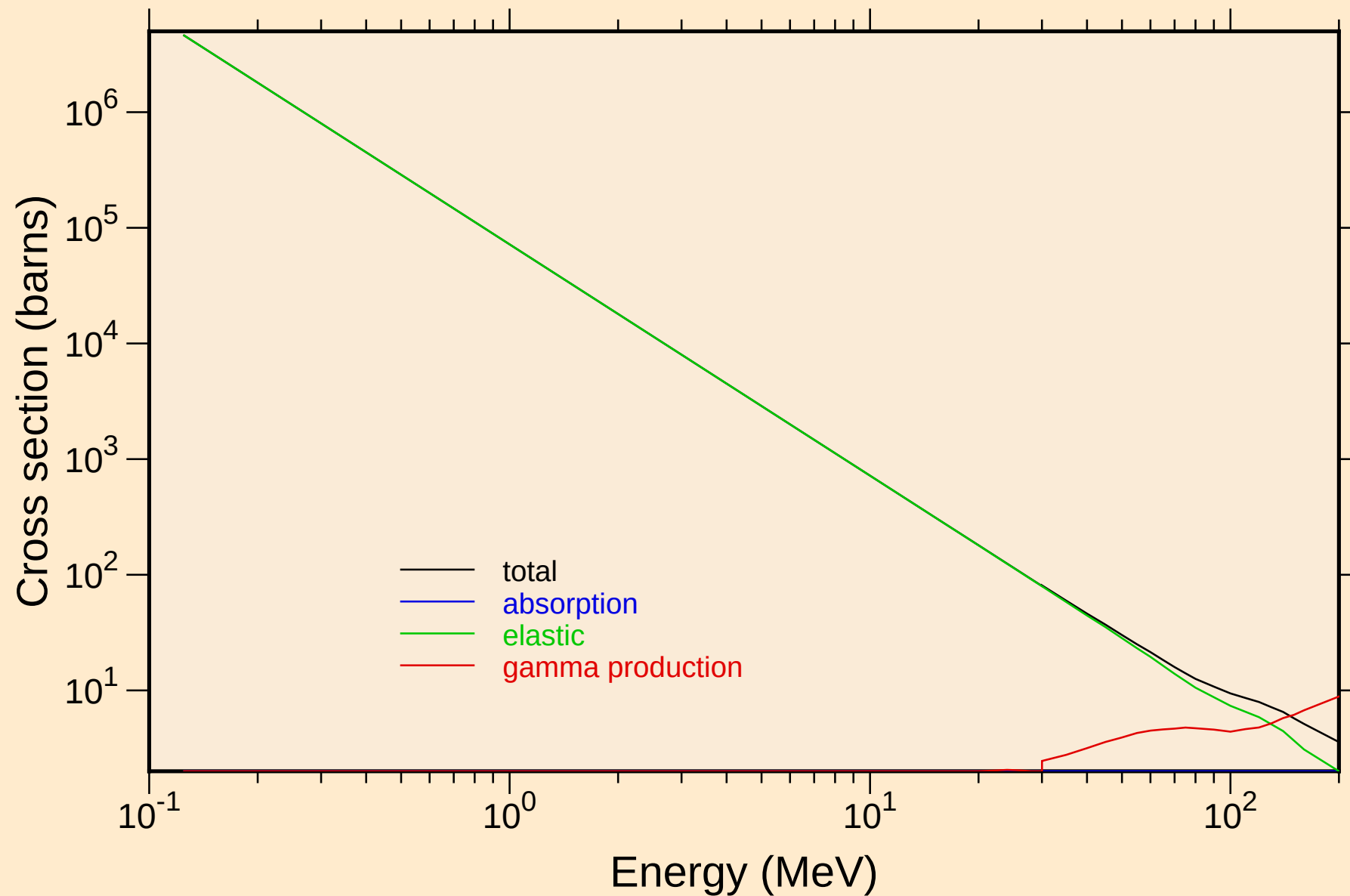


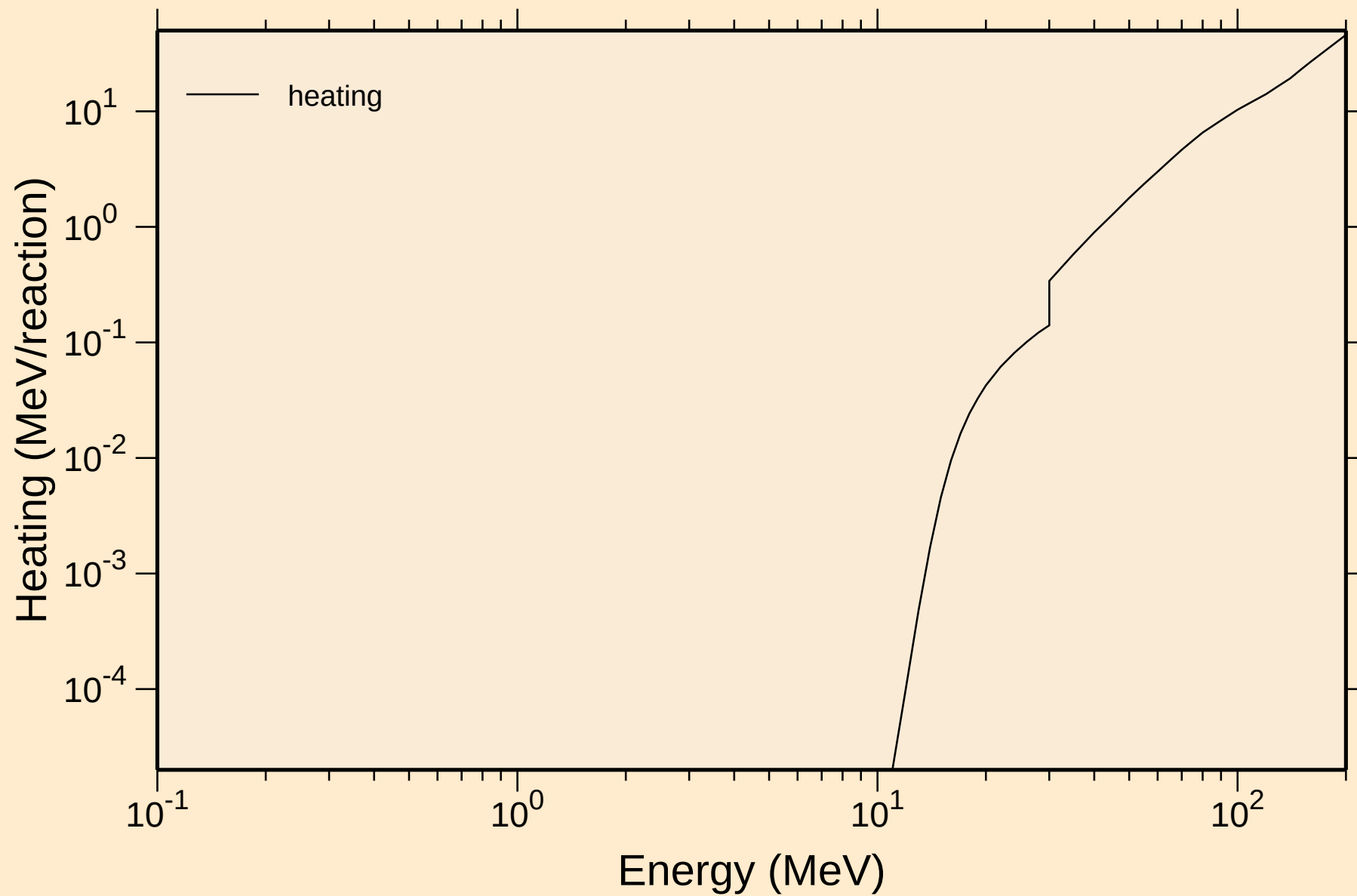
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



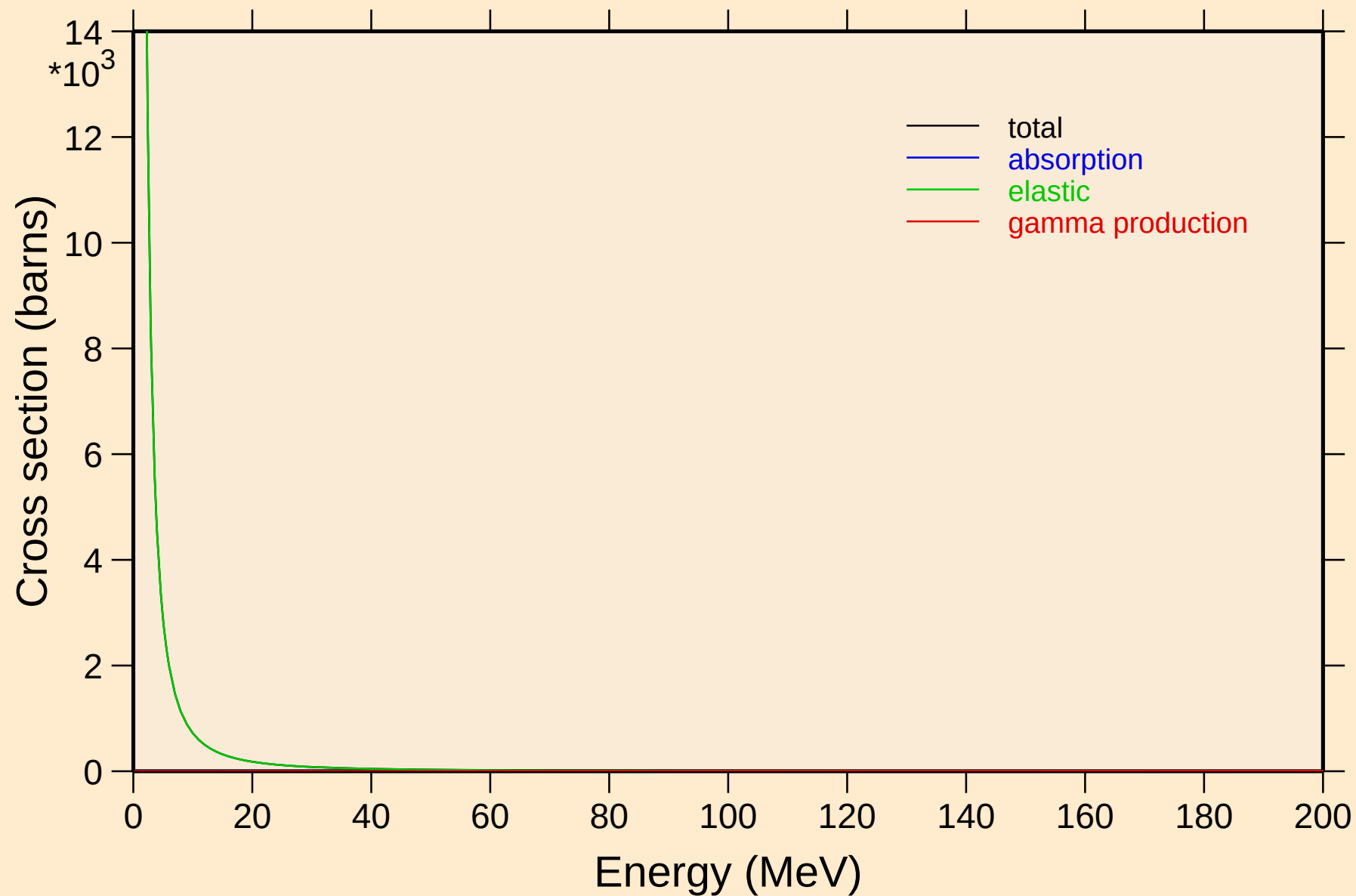
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



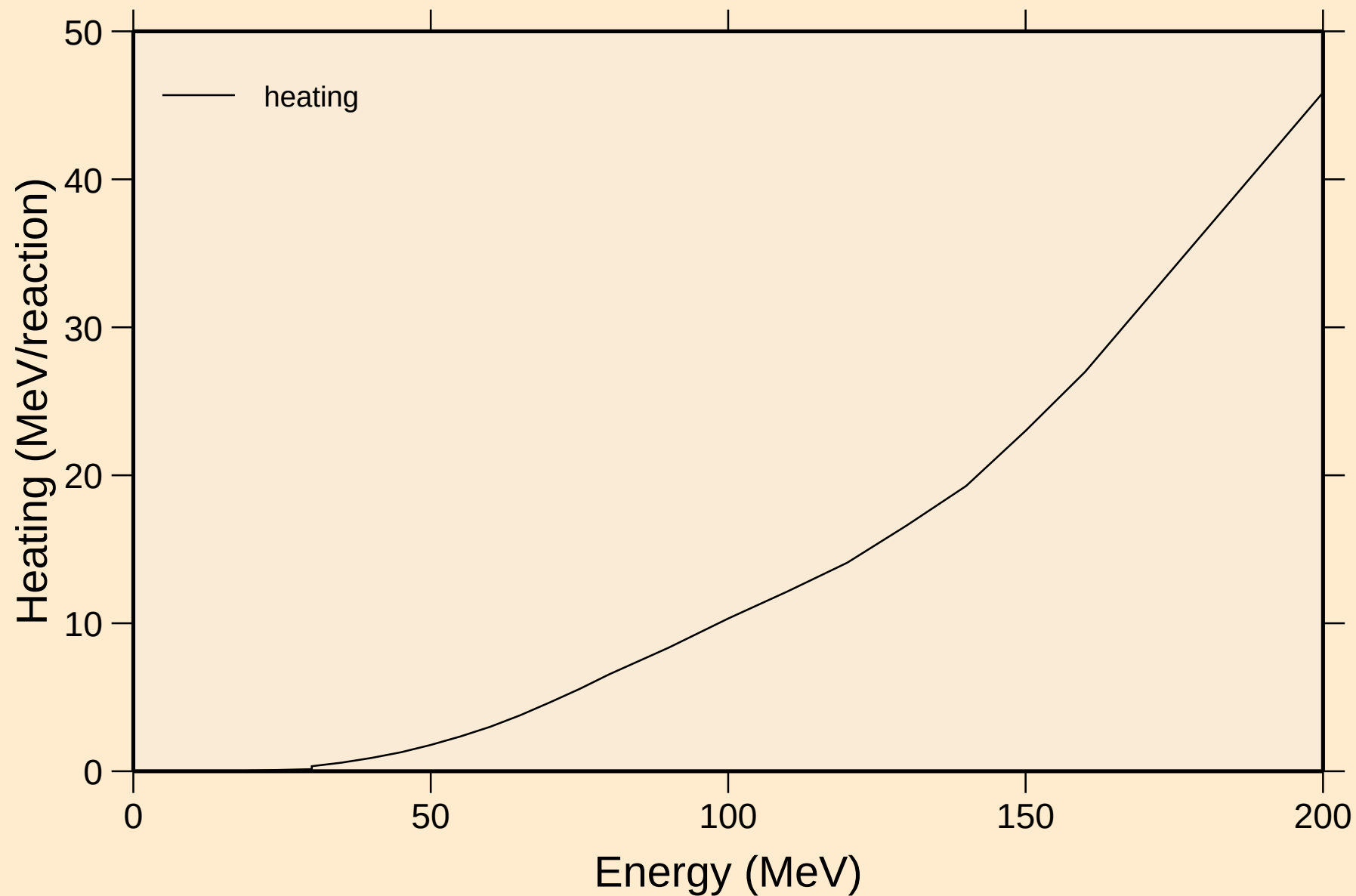
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



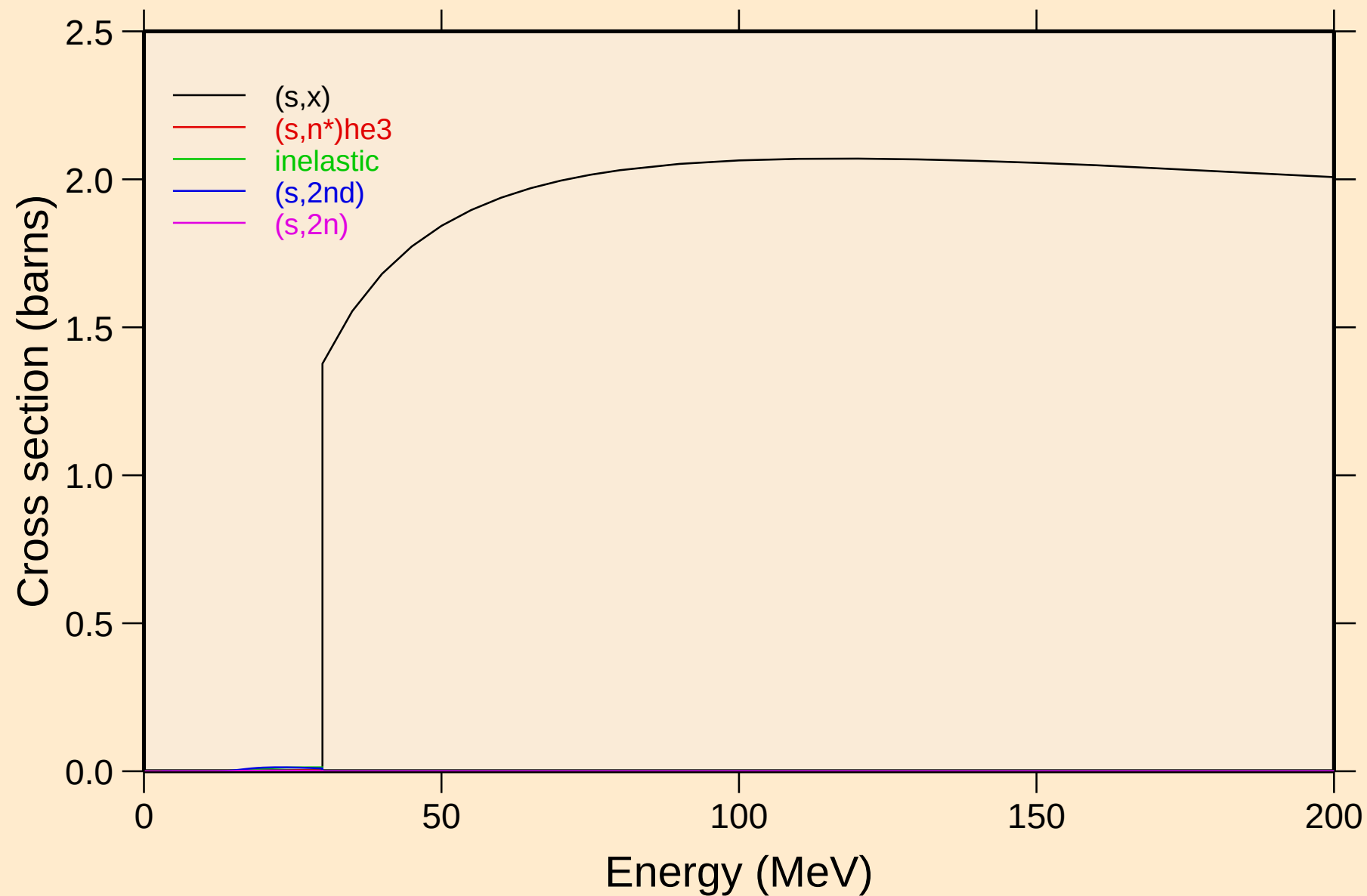
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



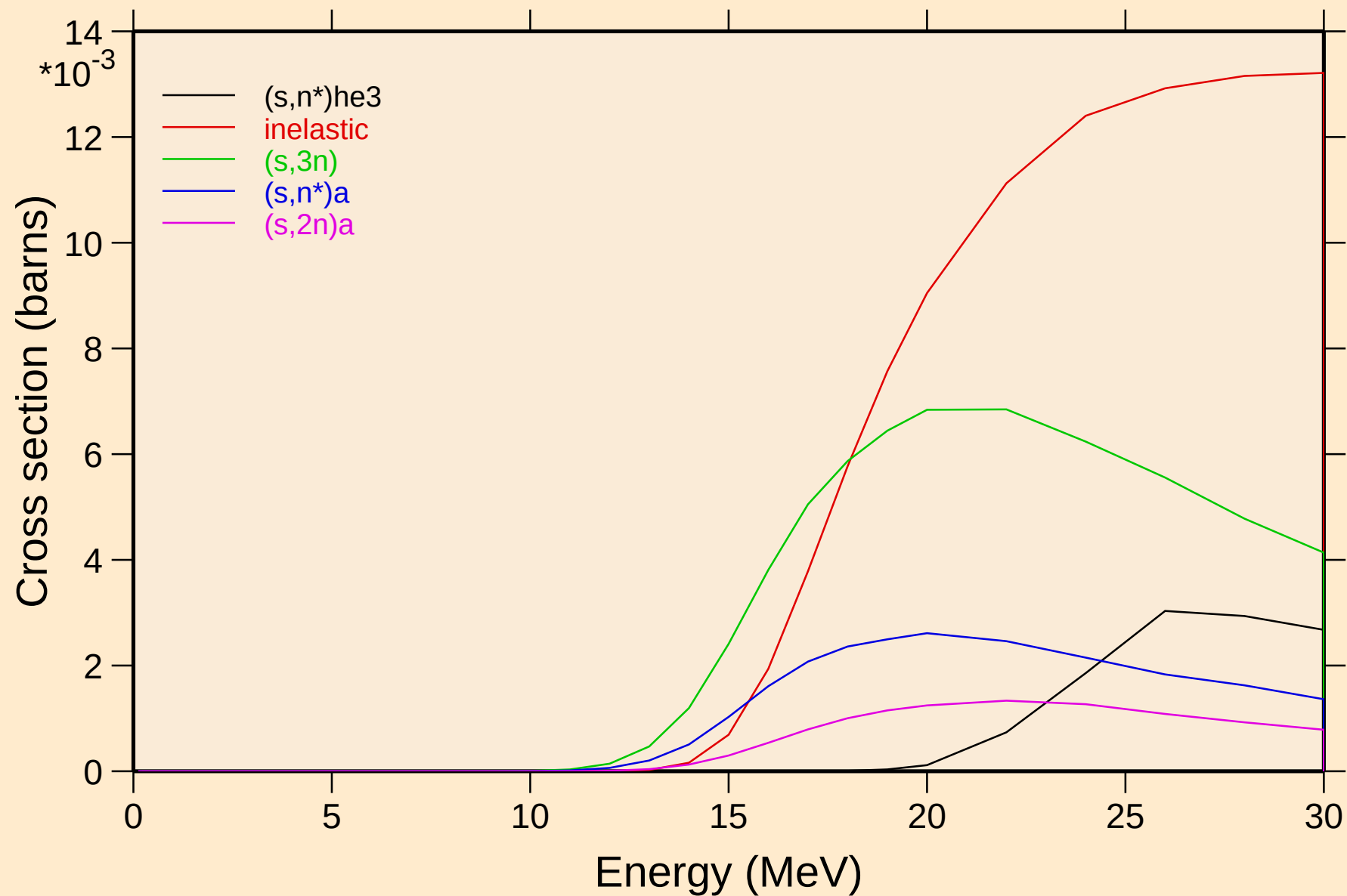
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



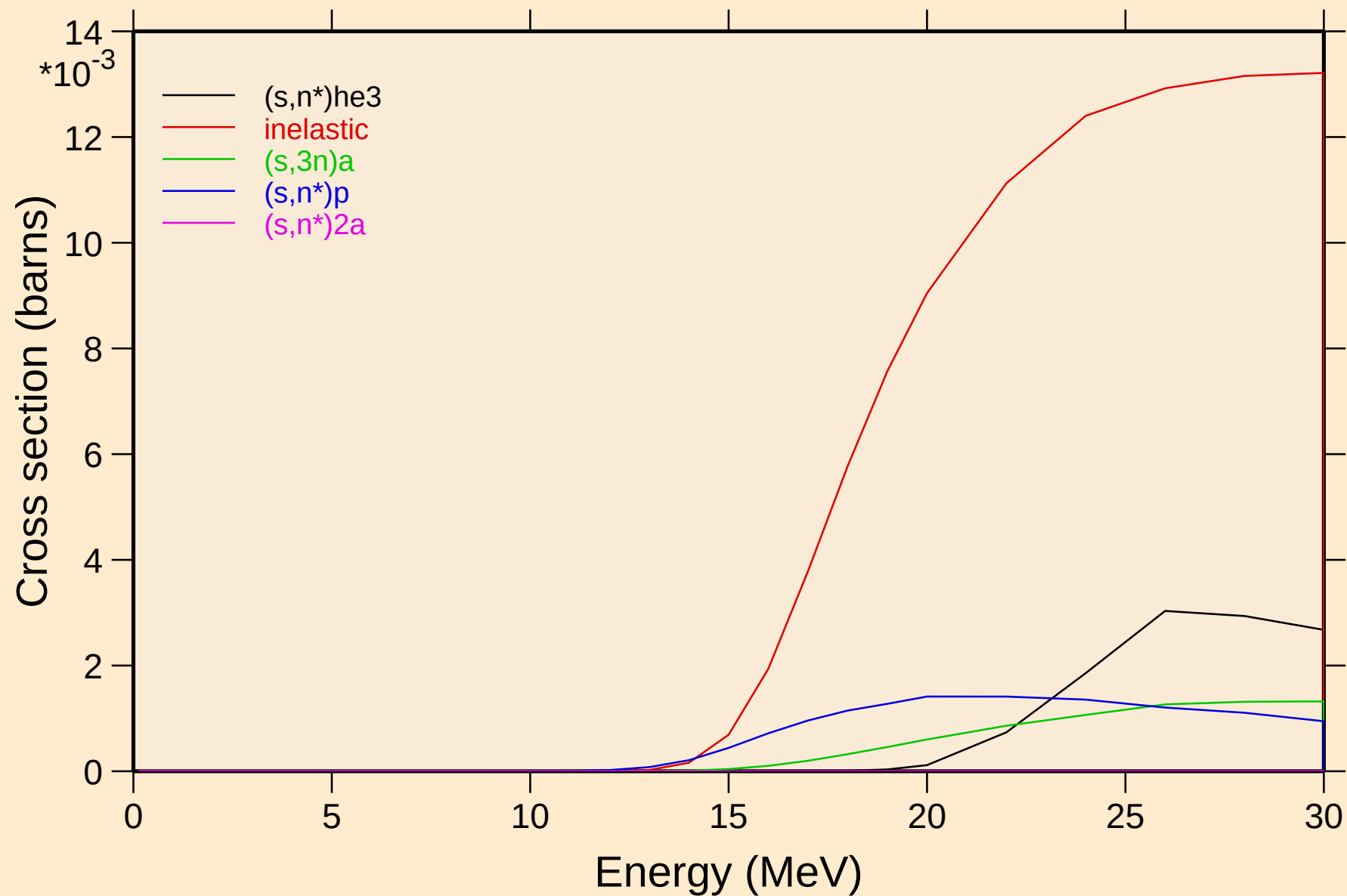
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



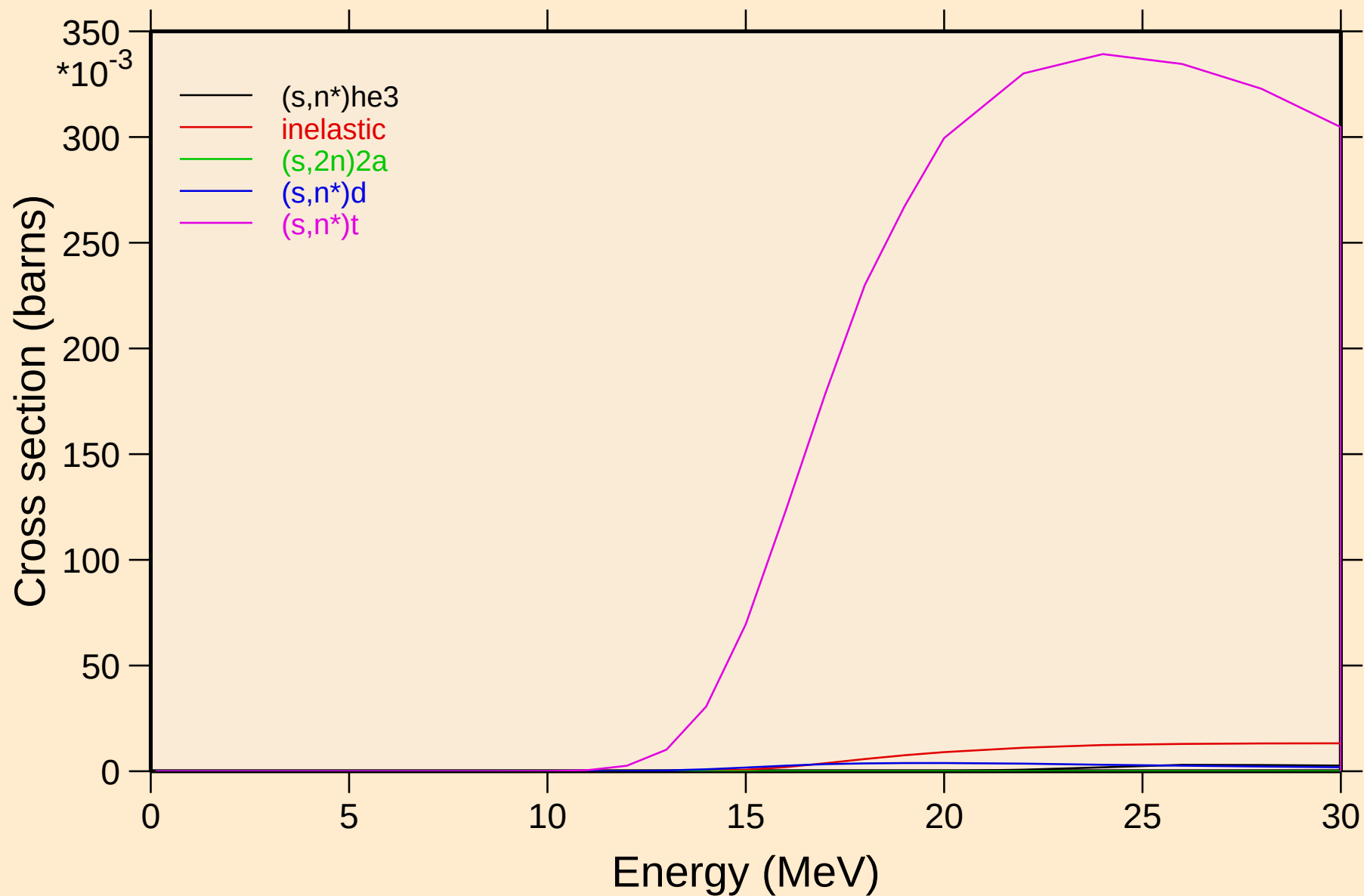
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



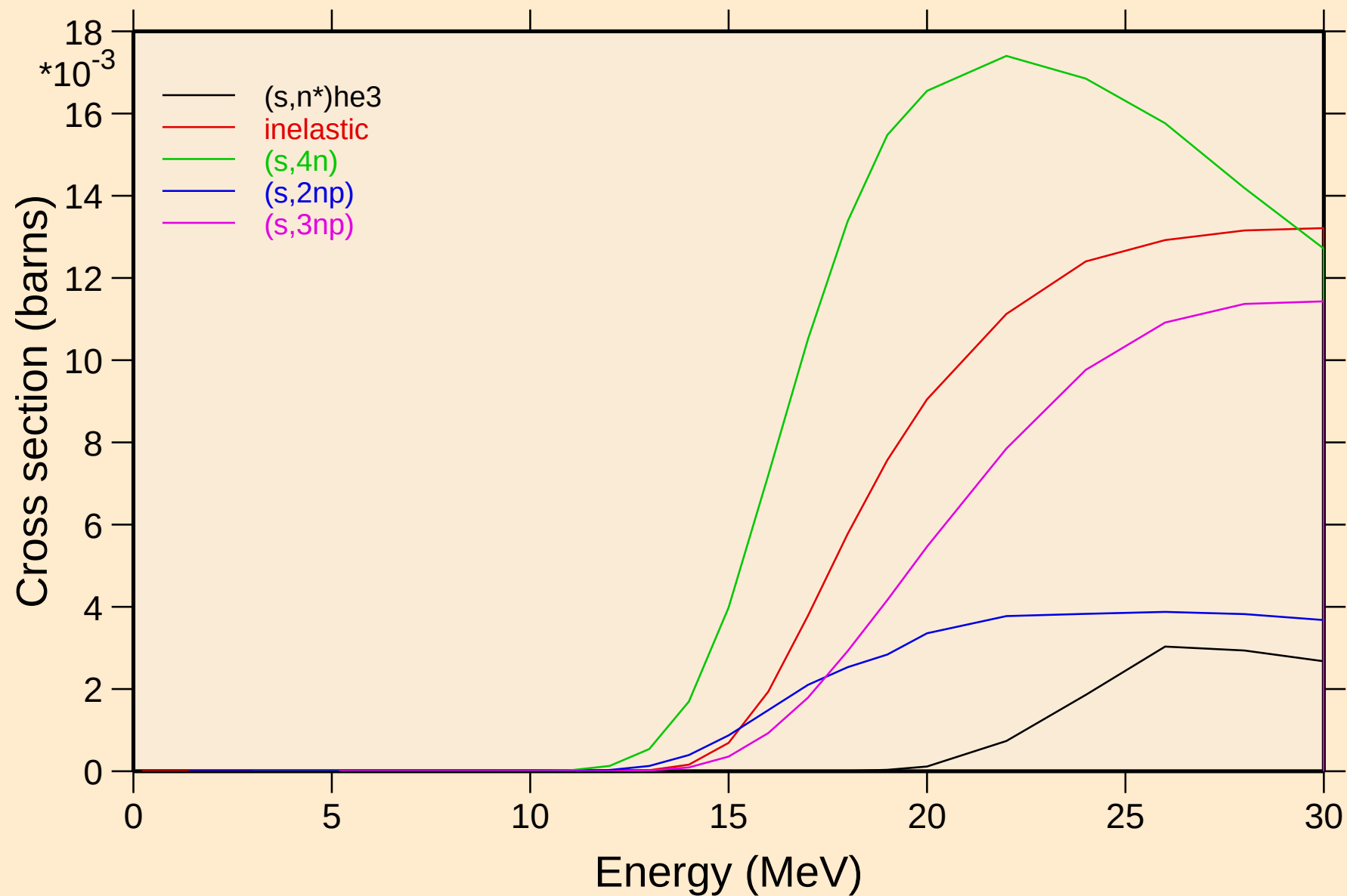
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



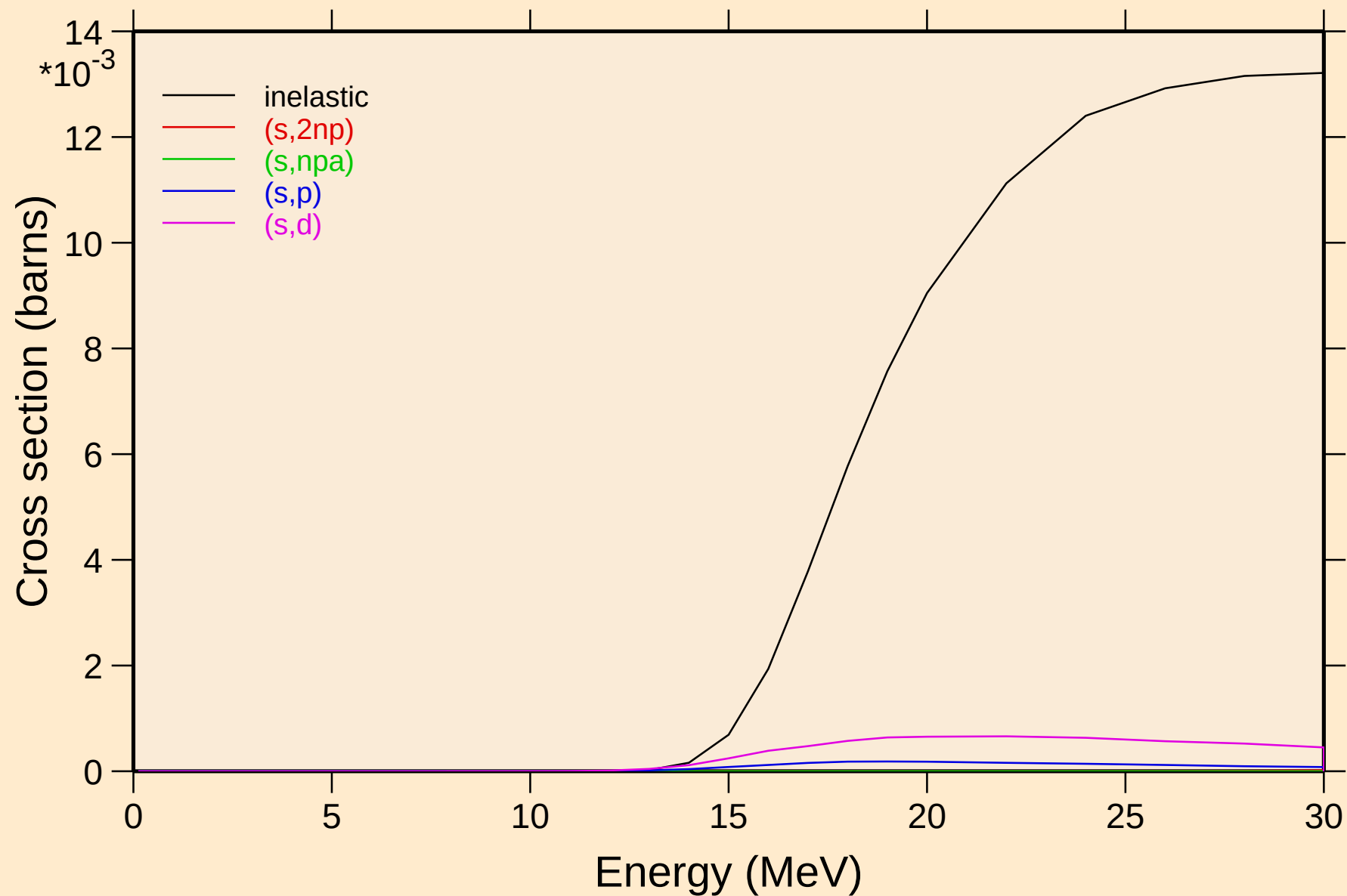
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



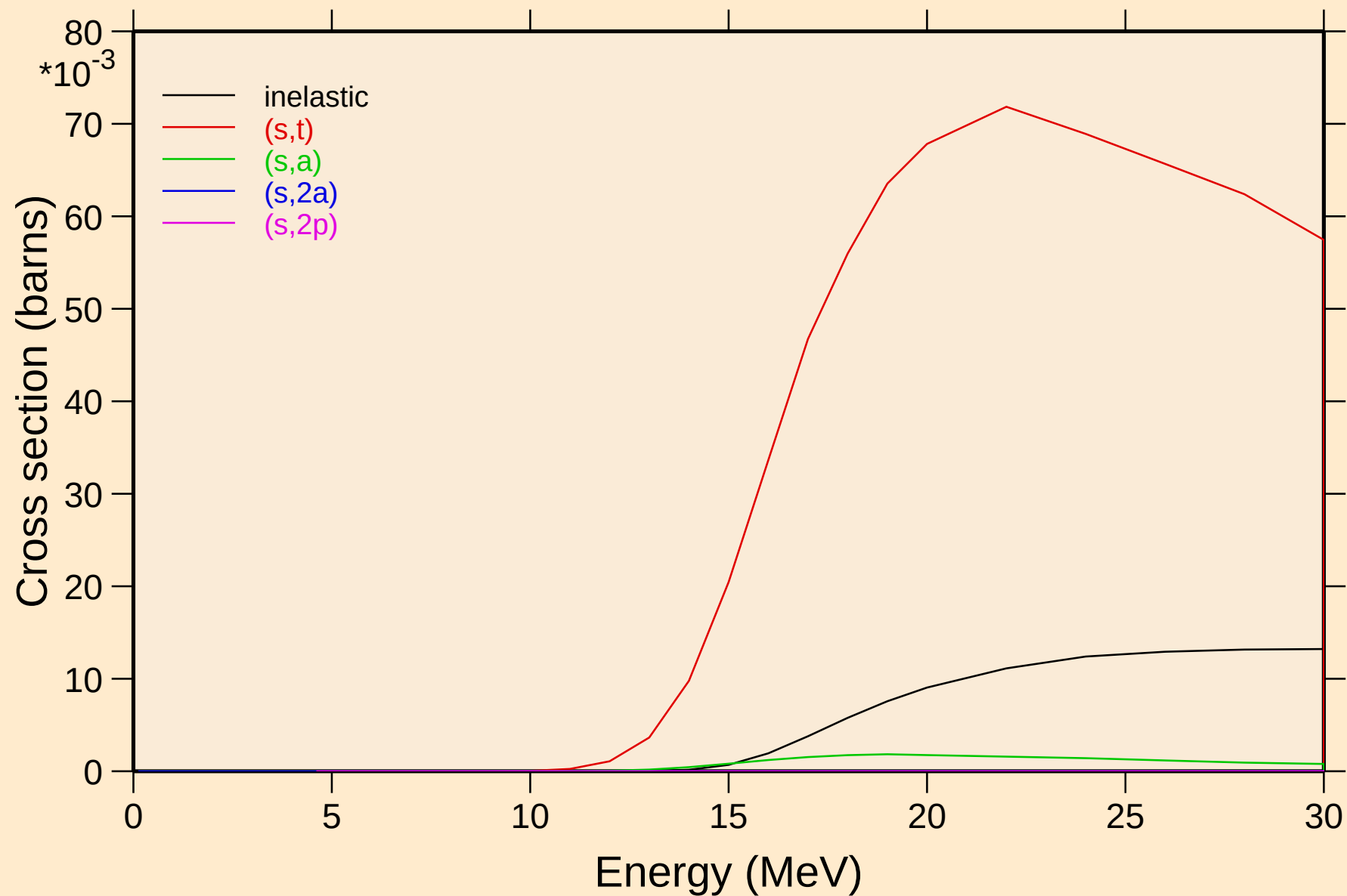
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



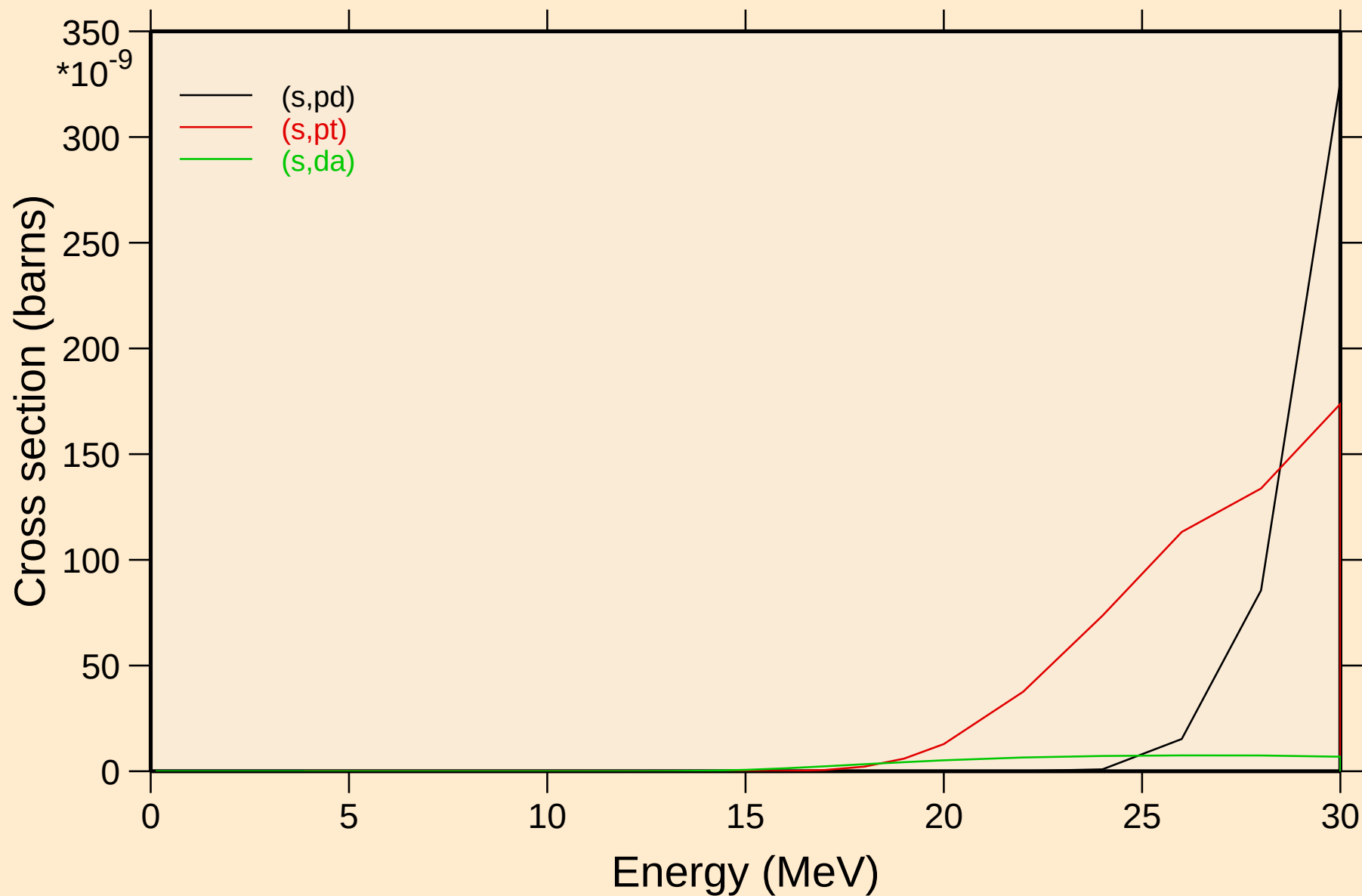
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

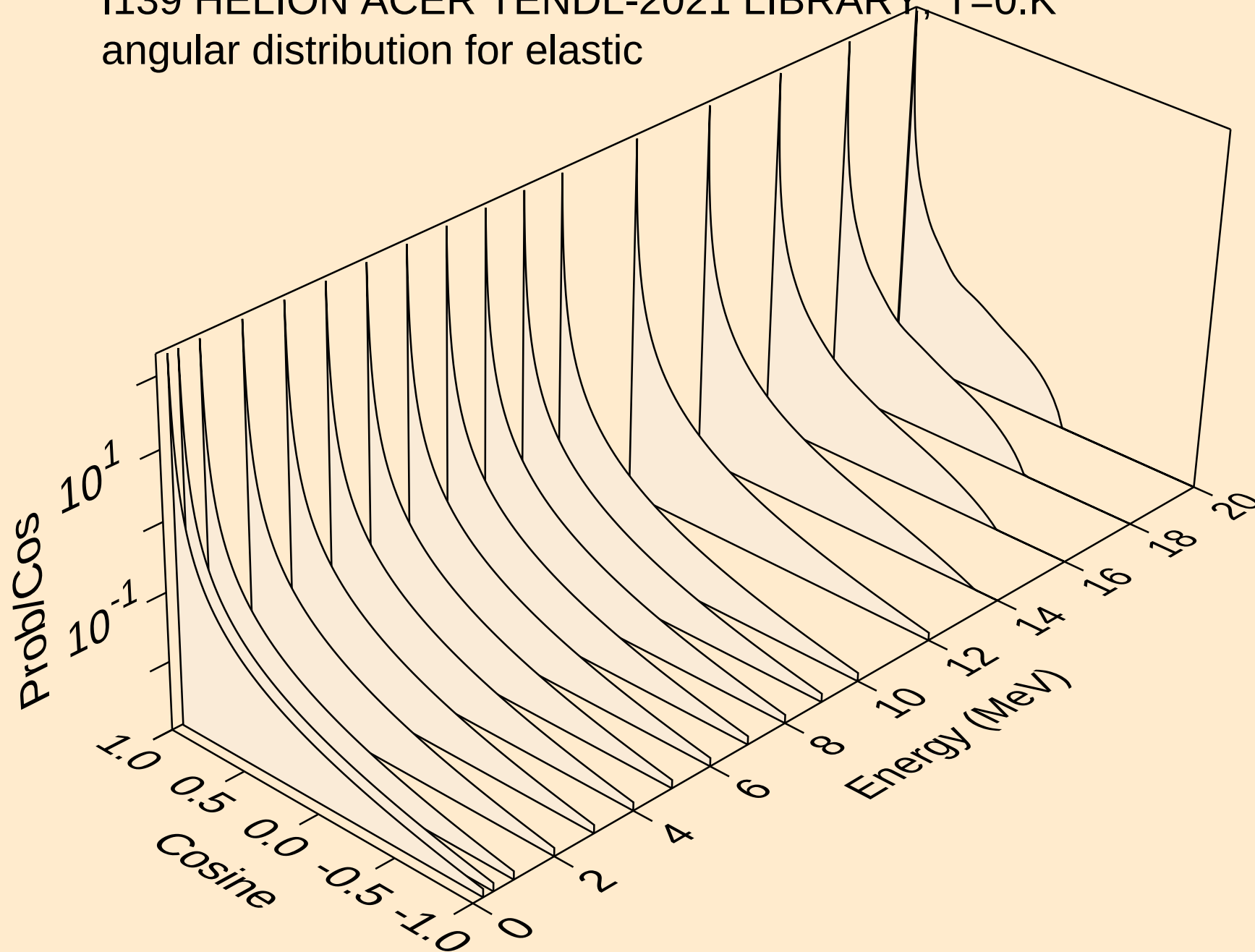


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

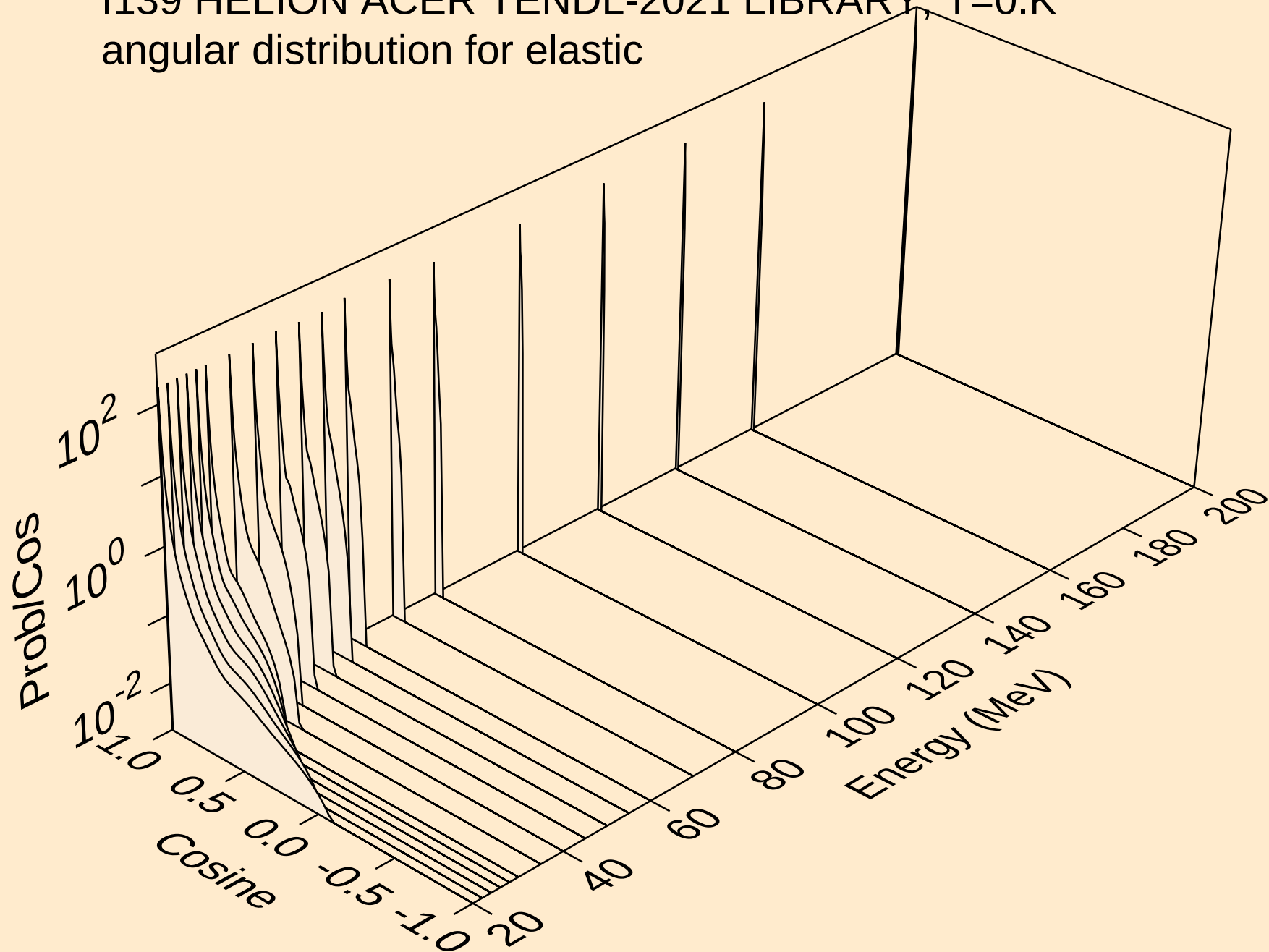
Threshold reactions



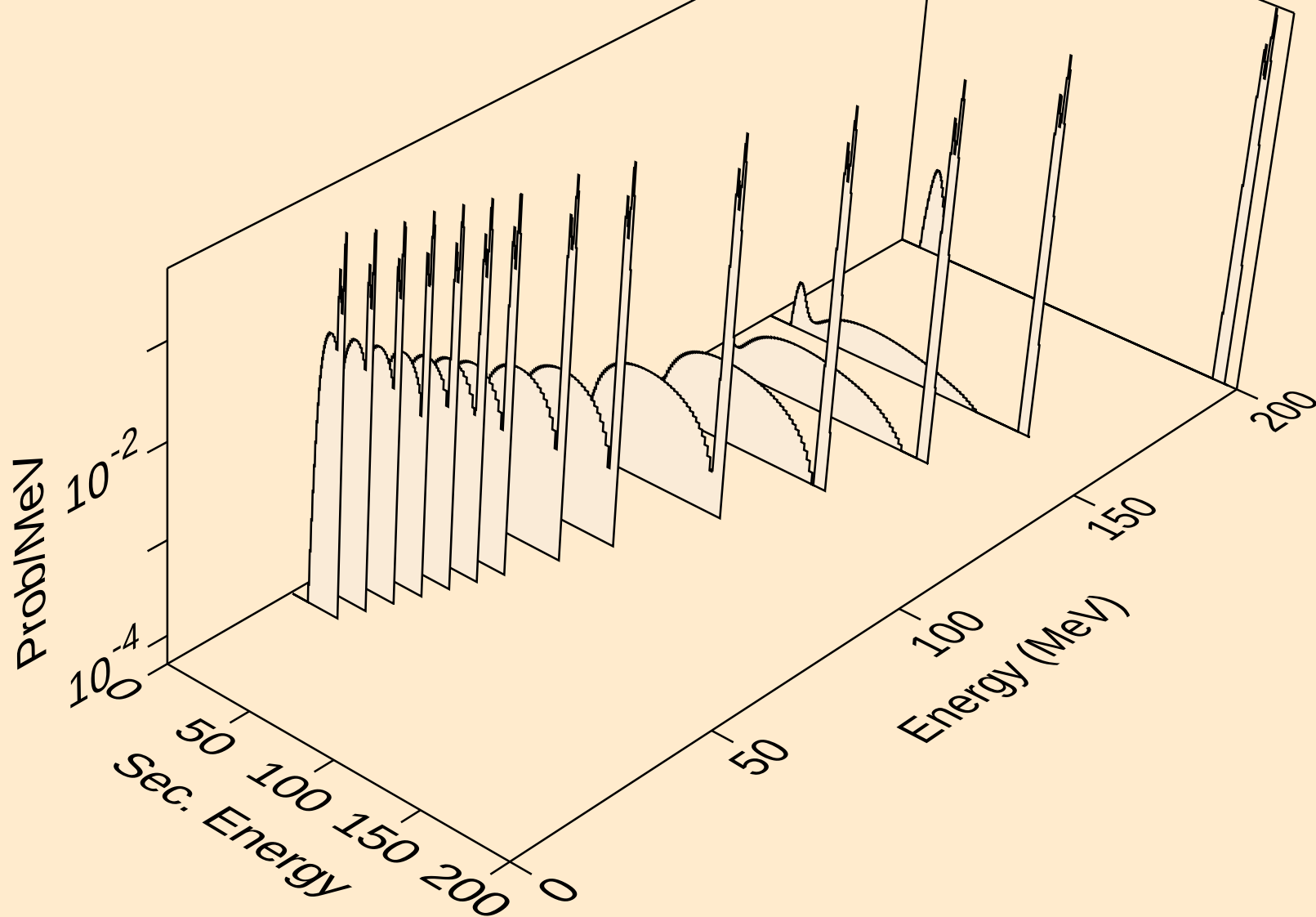
I139 HELION ACER TENDL-2021 LIBRARY: T=0.K
angular distribution for elastic



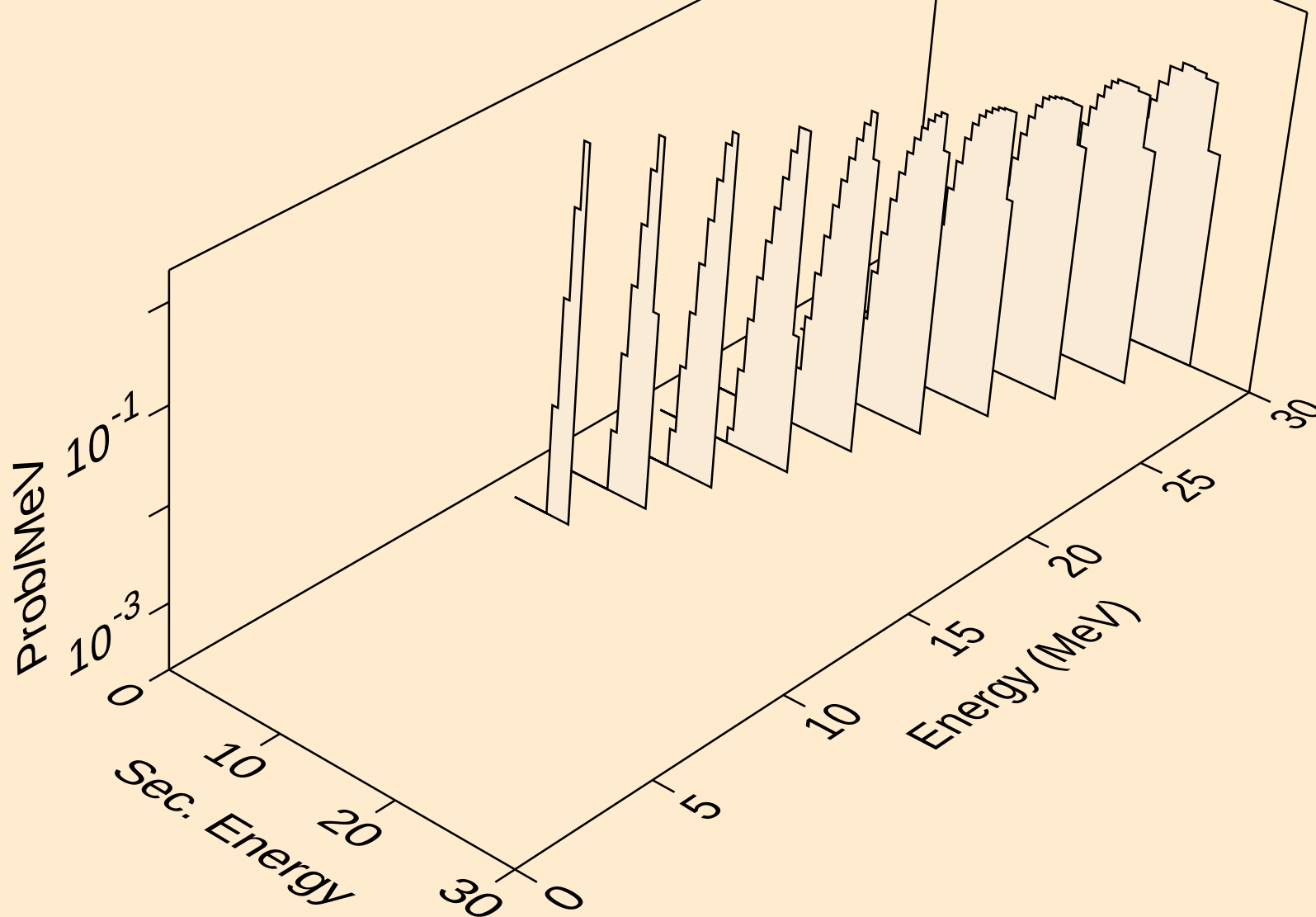
I139 HELION ACER TENDL-2021 LIBRARY: T=0.K
angular distribution for elastic



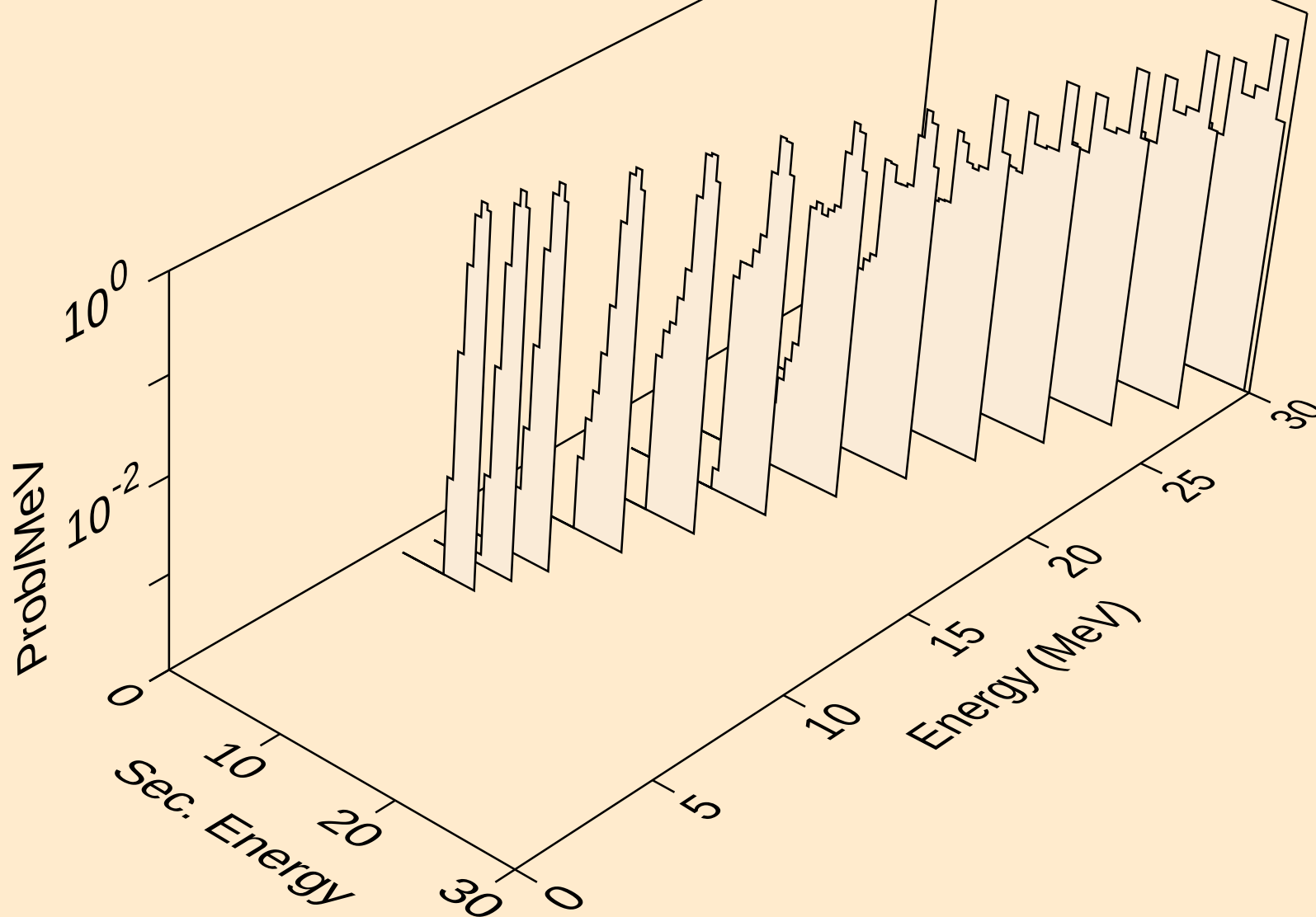
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
He-3 emission for (s,x)



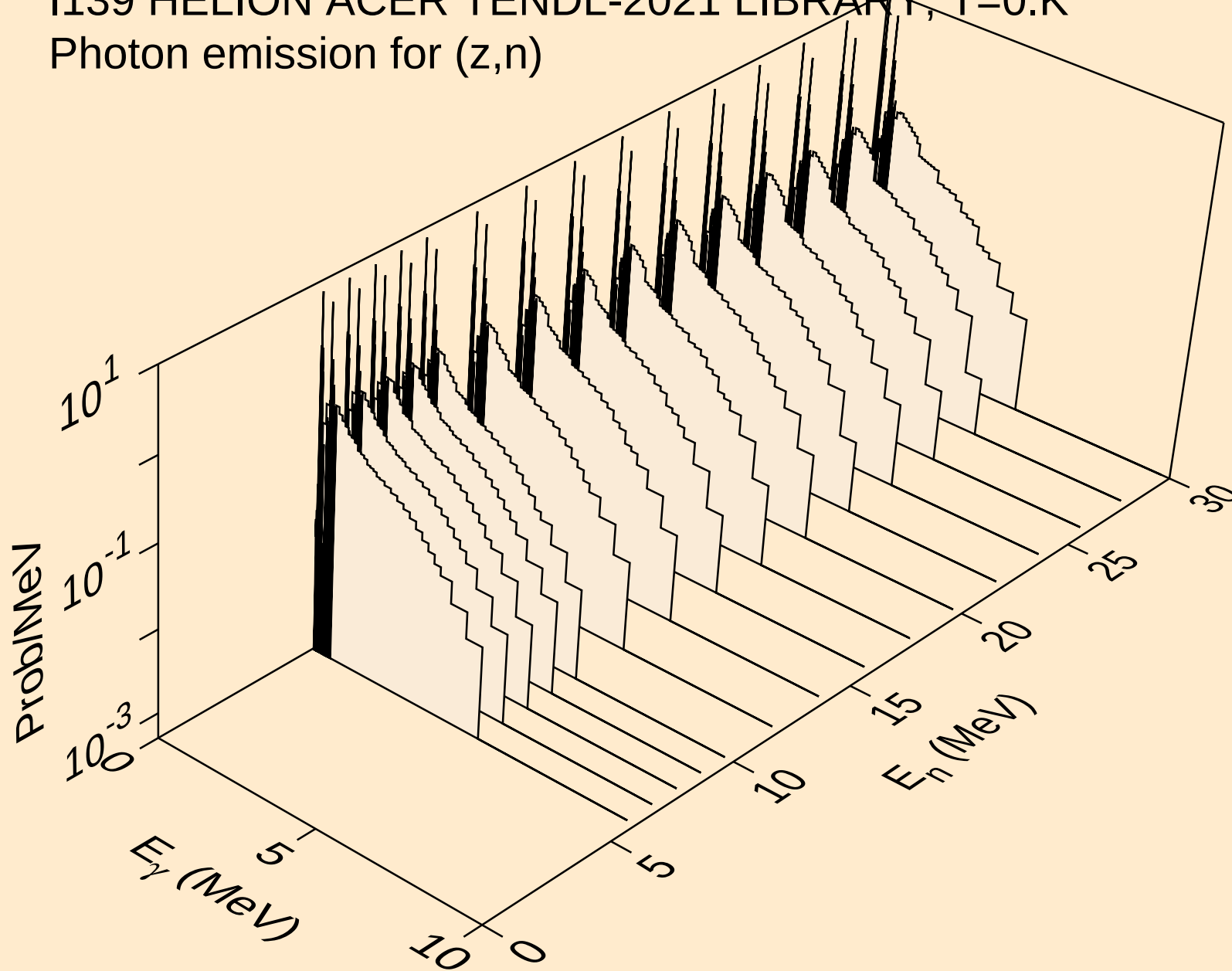
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



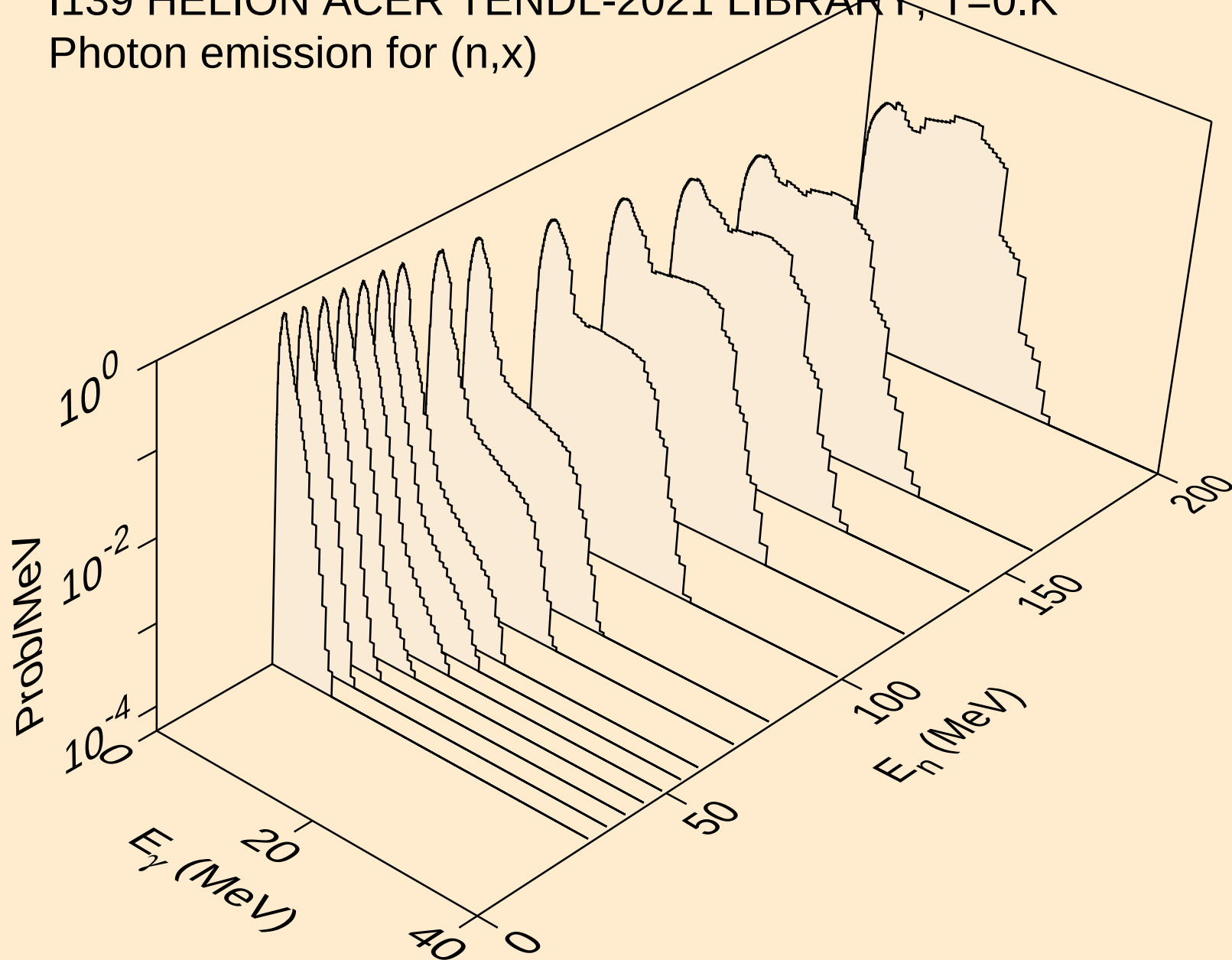
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
He-3 emission for inelastic



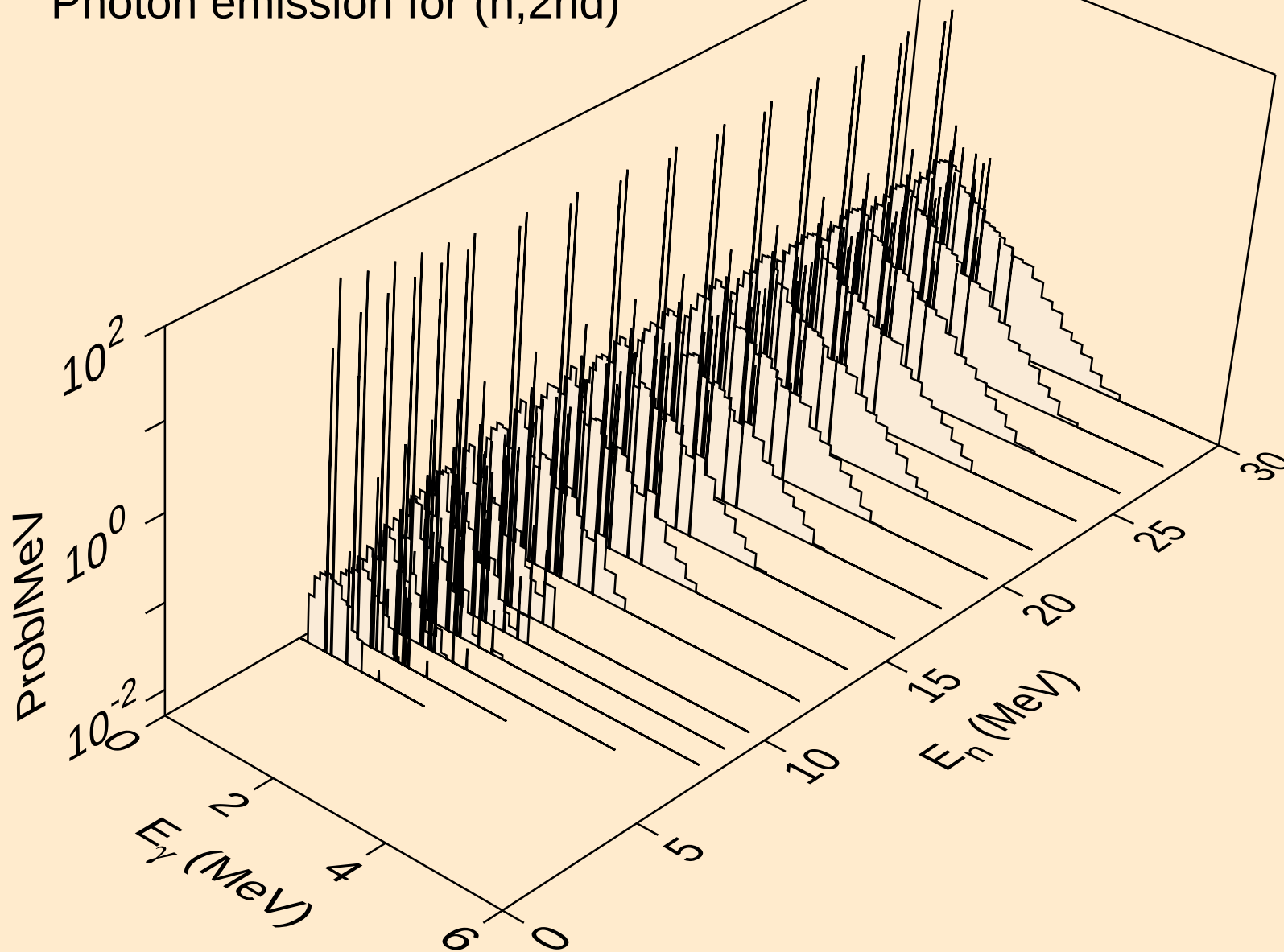
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (z,n)



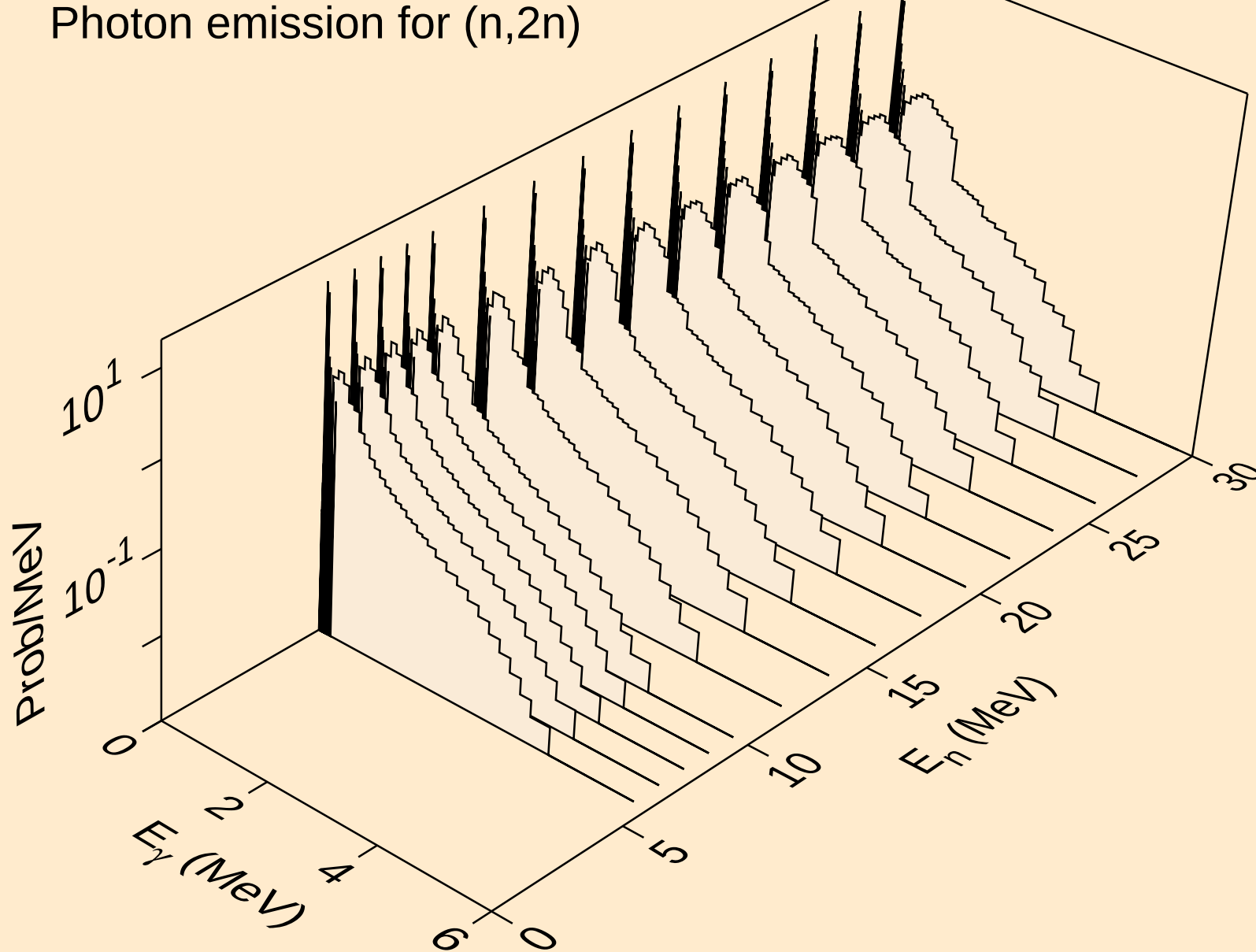
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,x)



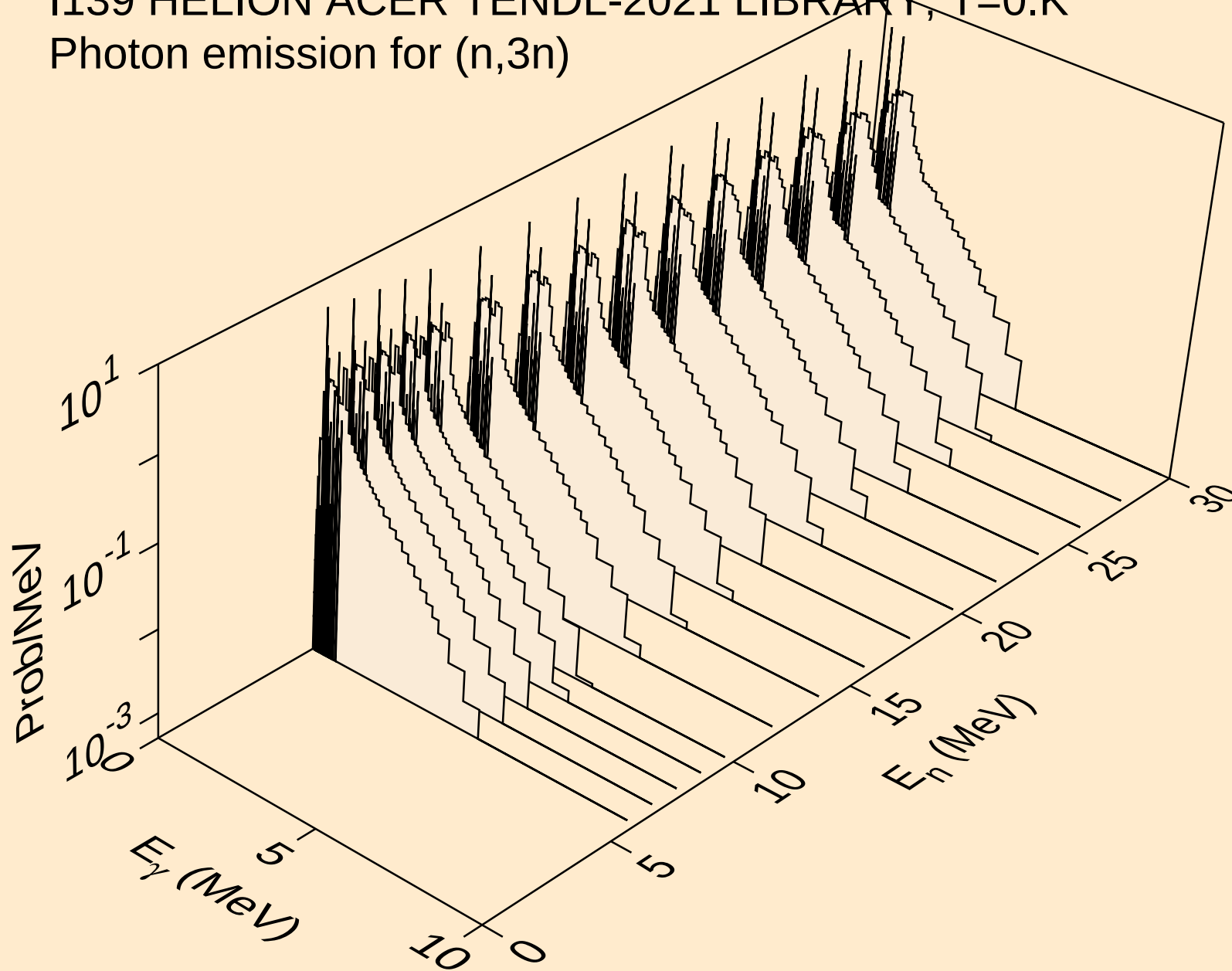
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2nd)



I139 HELION ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2n)

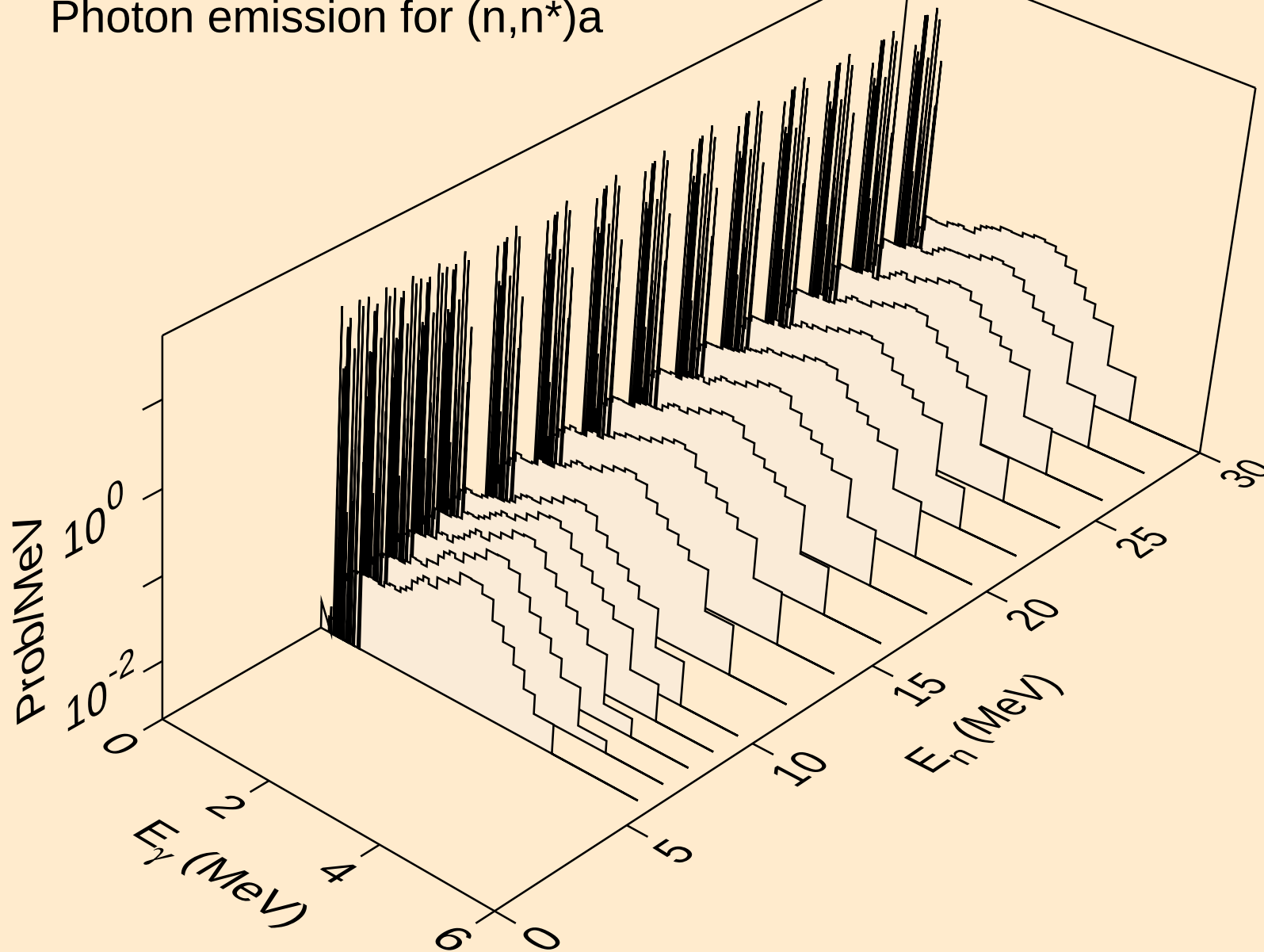


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)



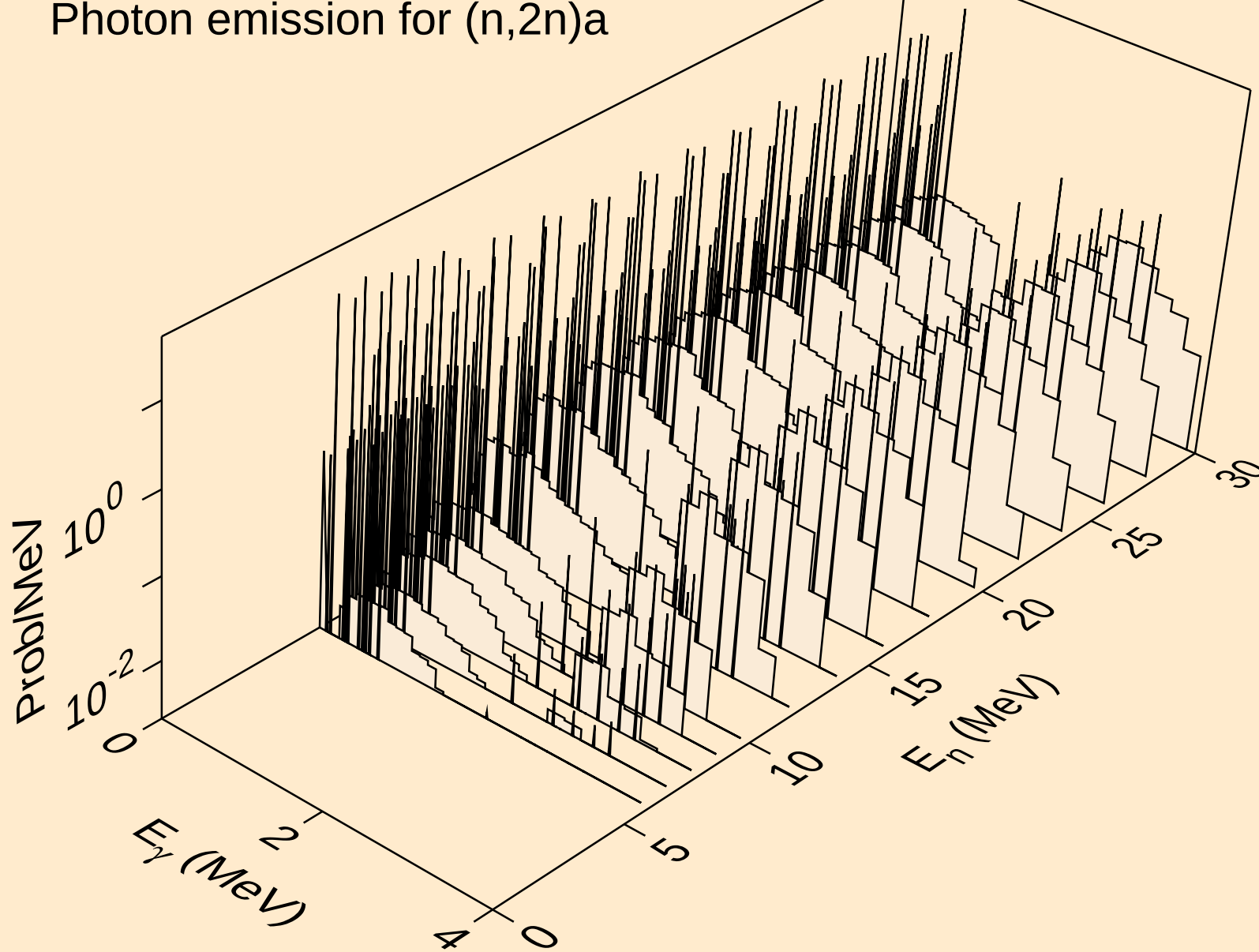
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n*)a

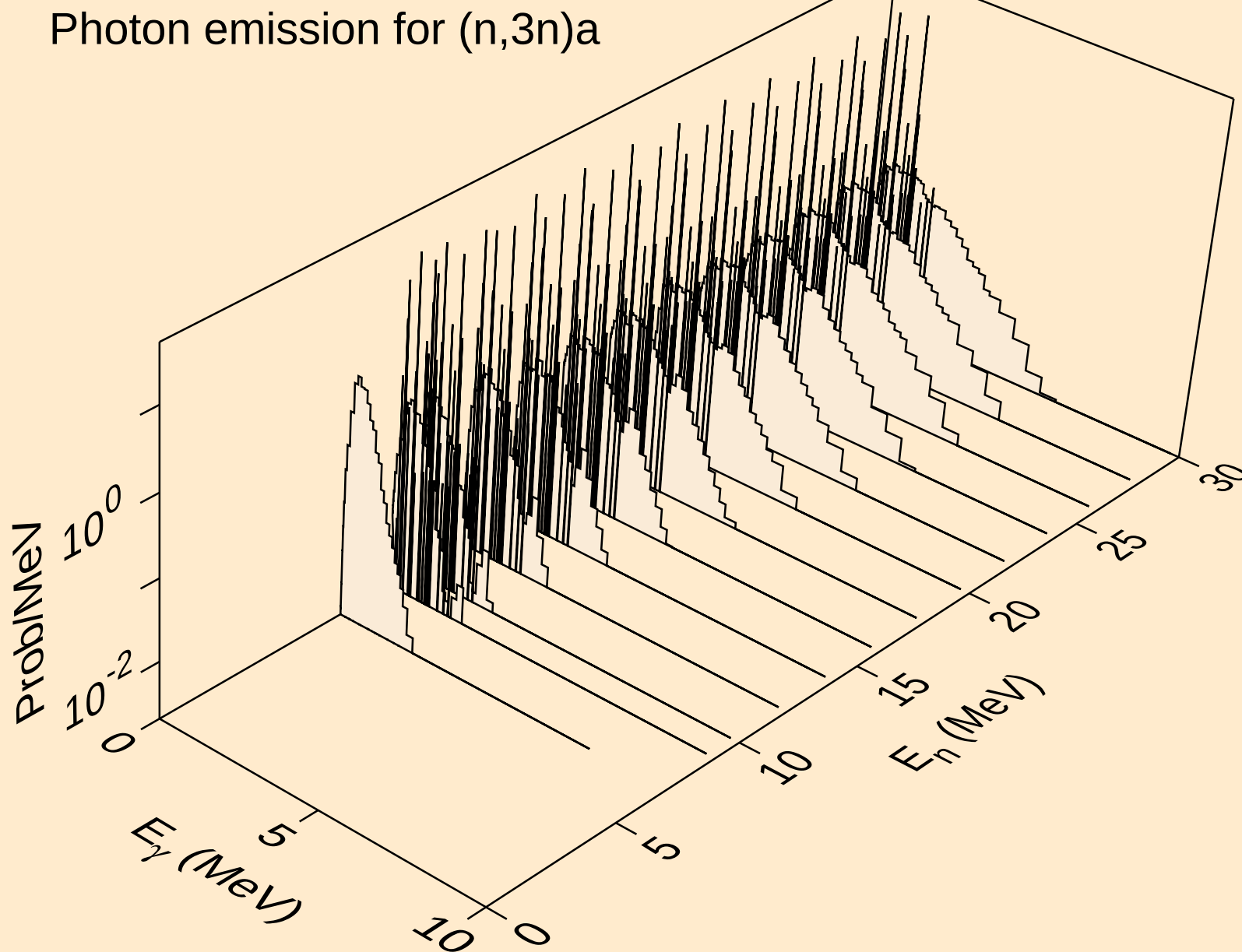


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n) α

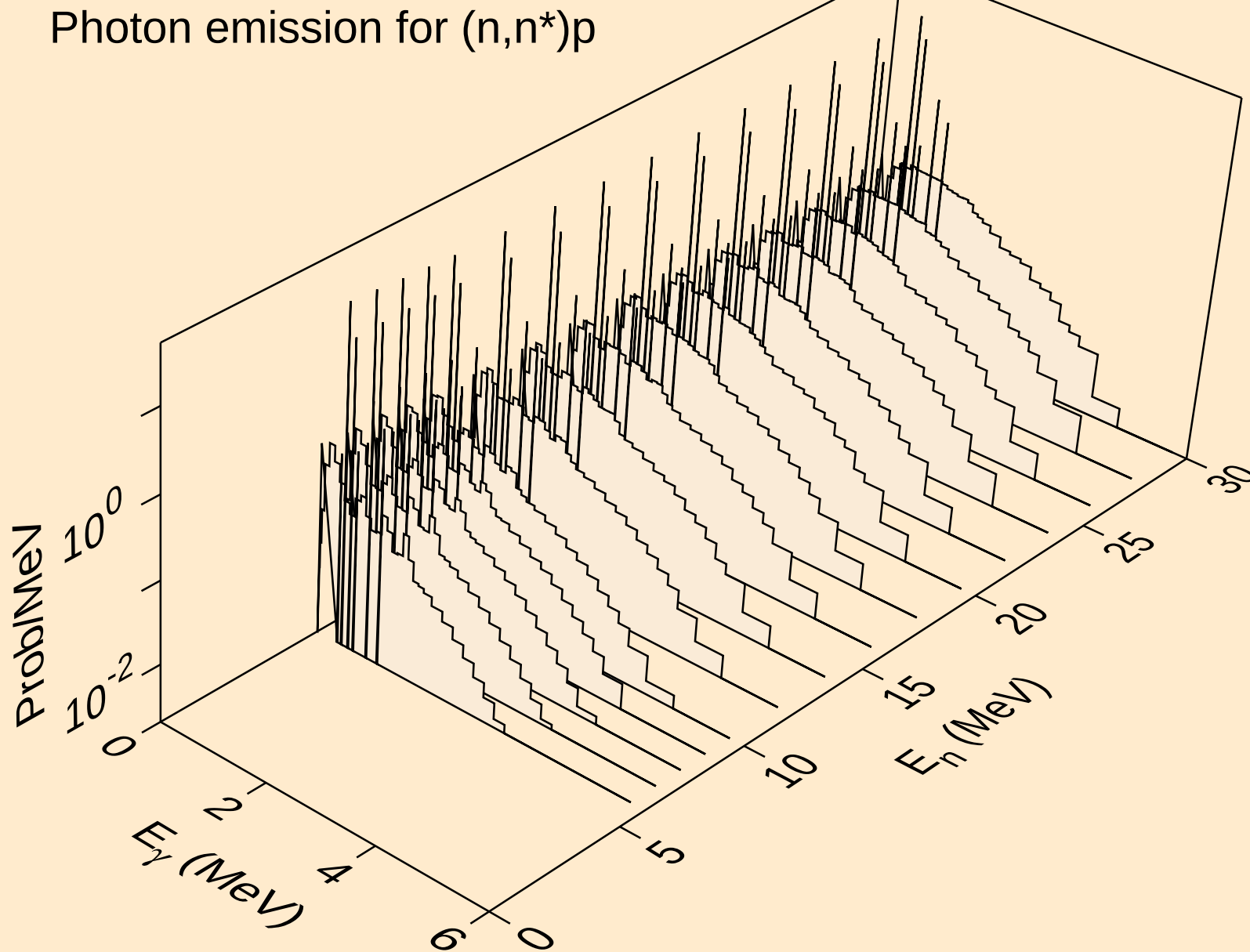


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)a



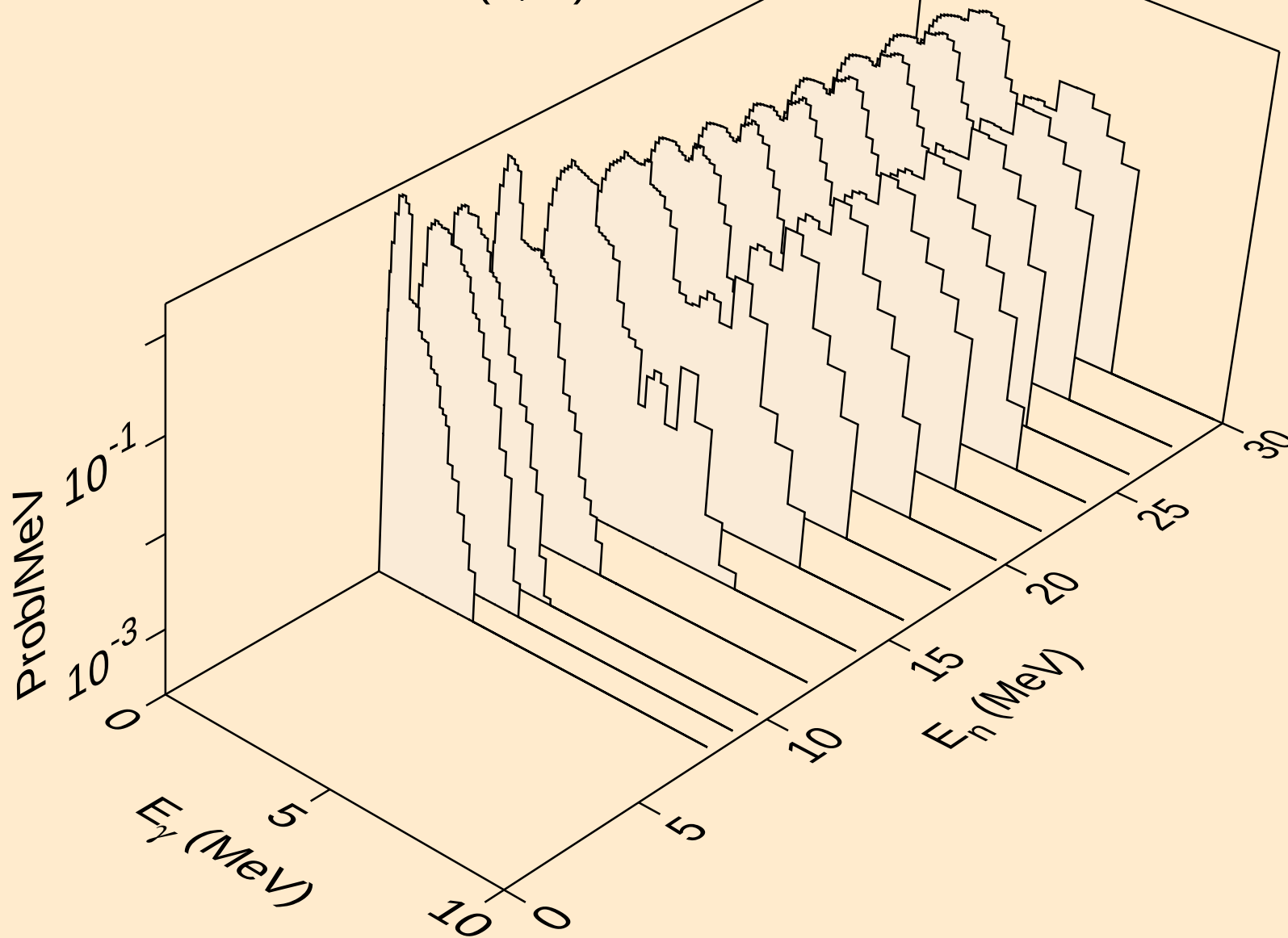
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n*)p



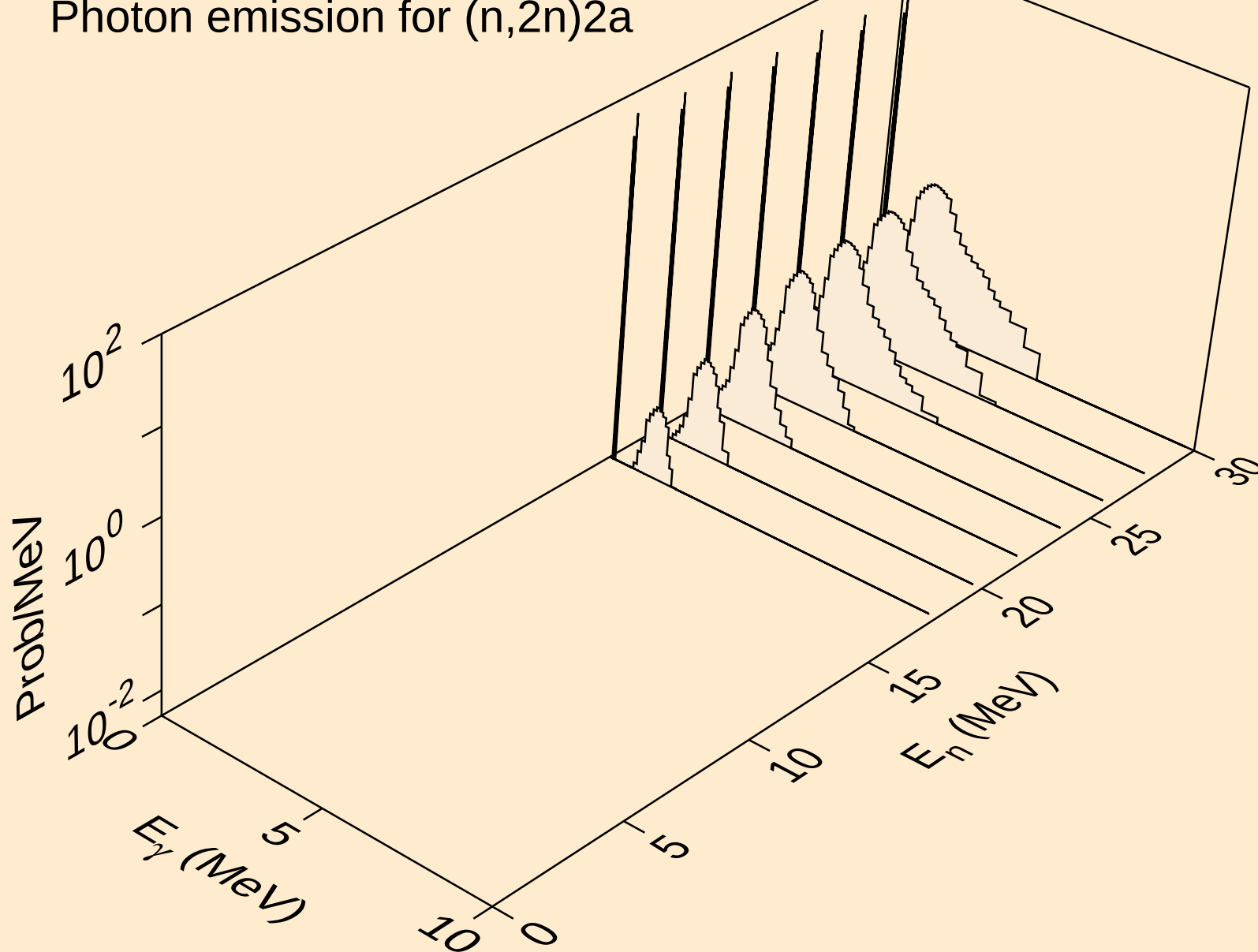
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n*)2a



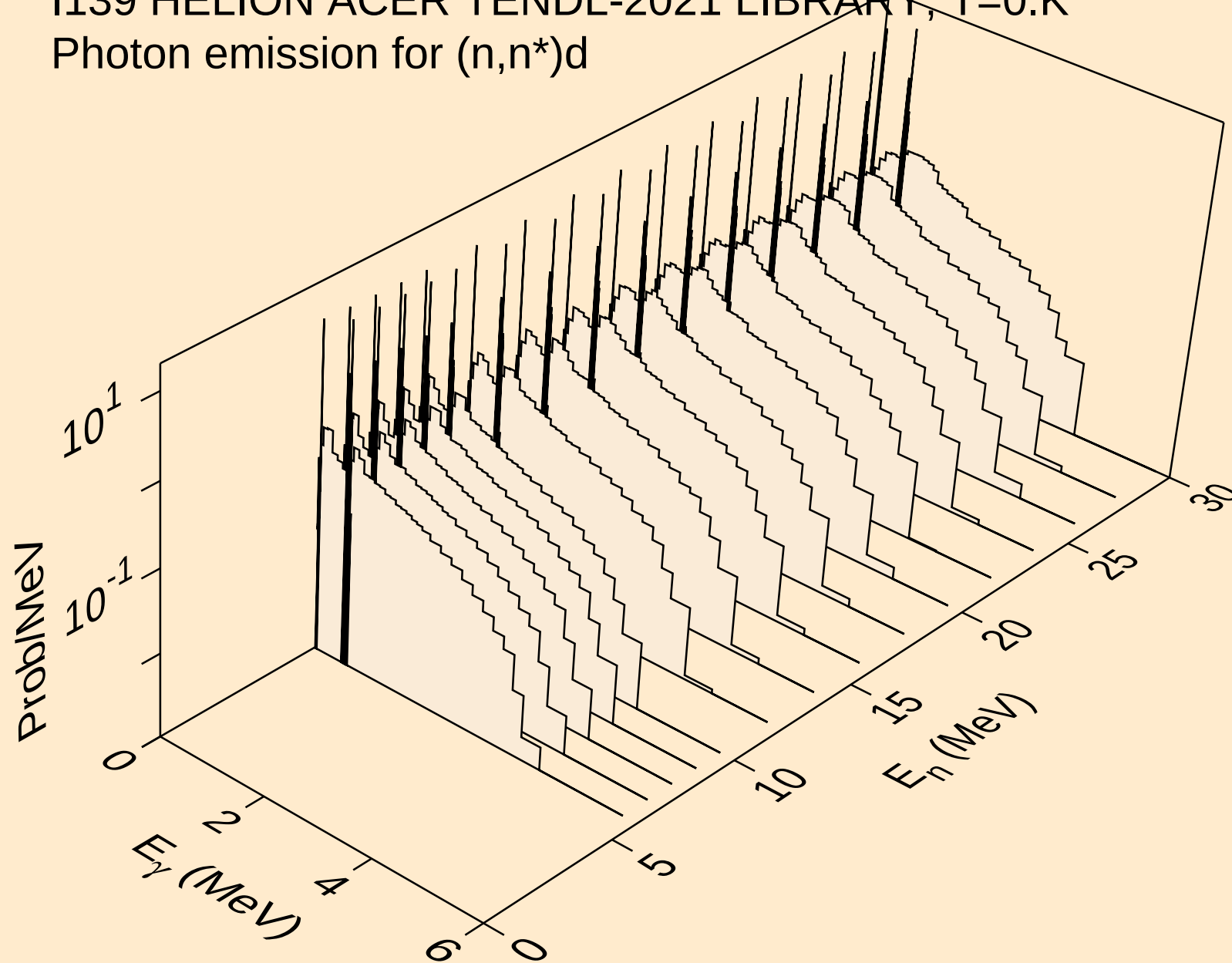
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n)2a



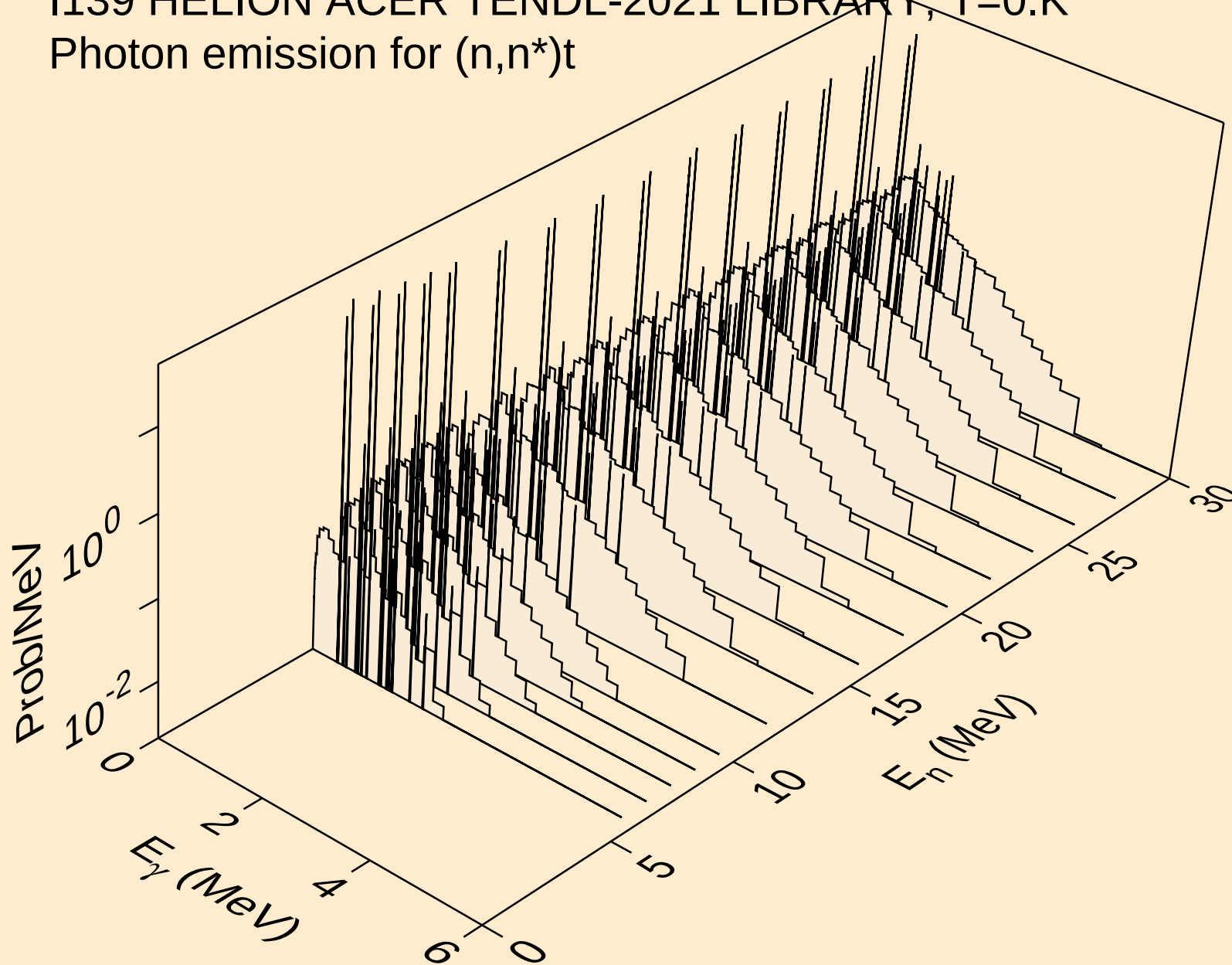
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n*)d



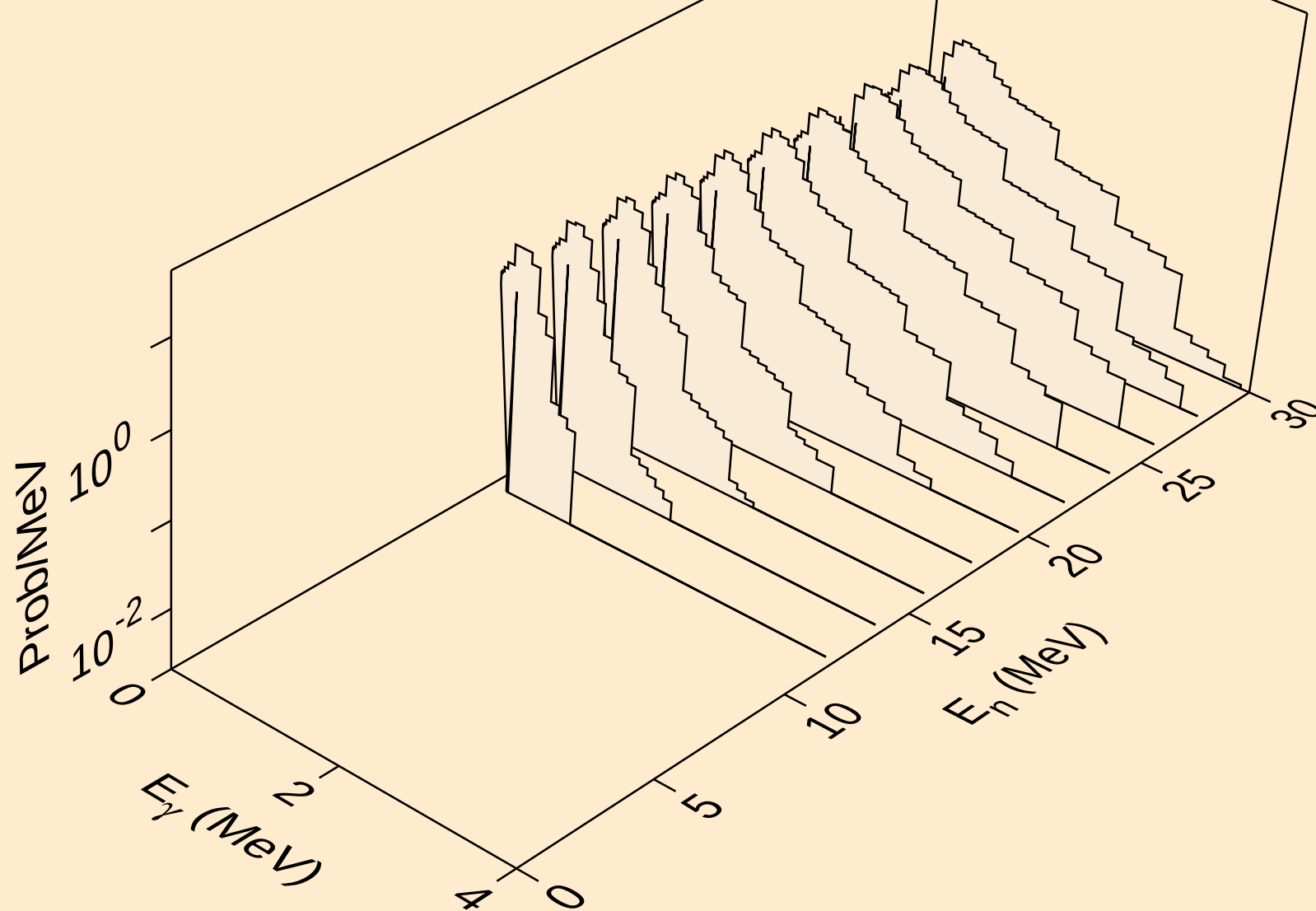
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n*)t

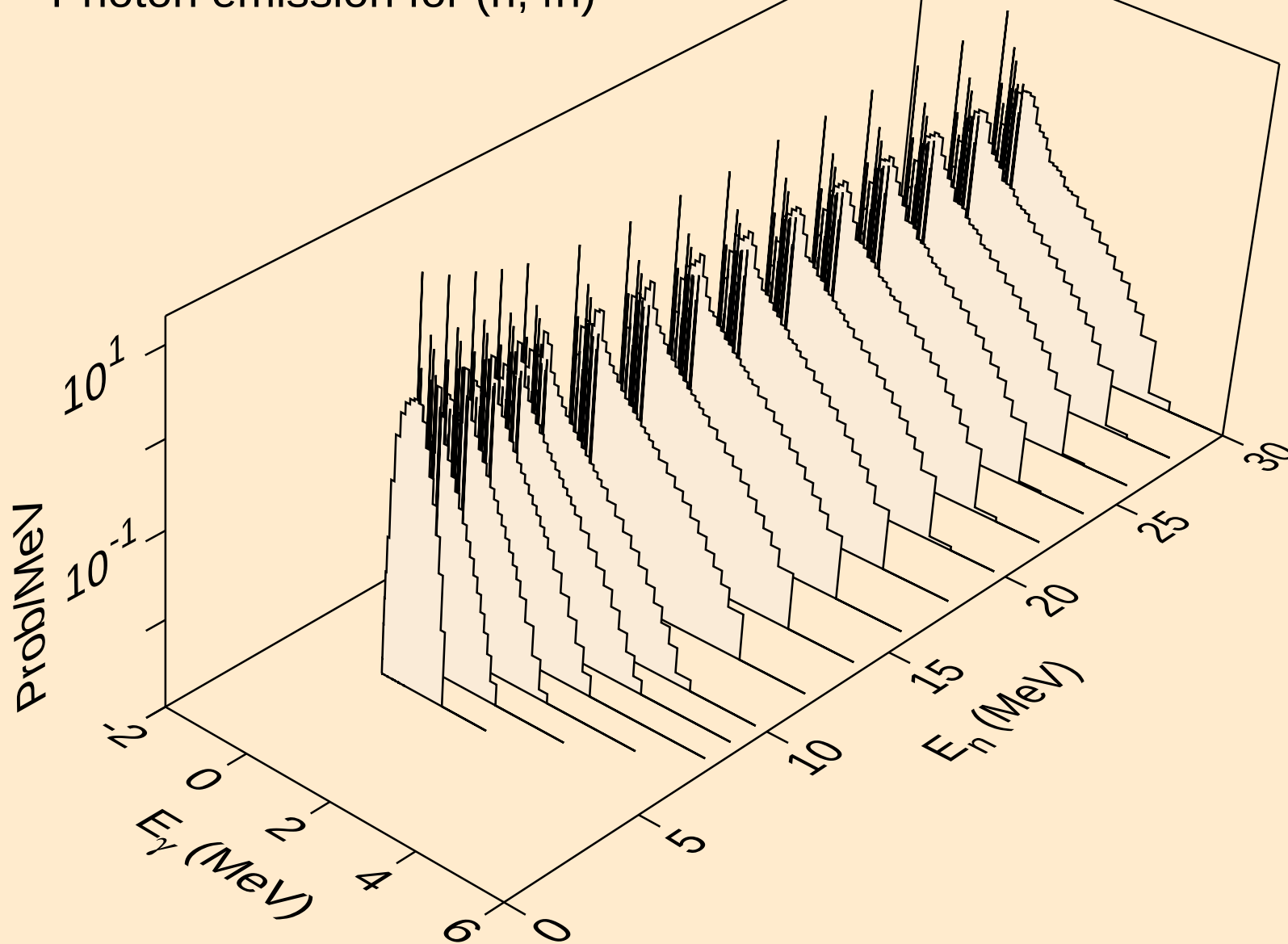


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

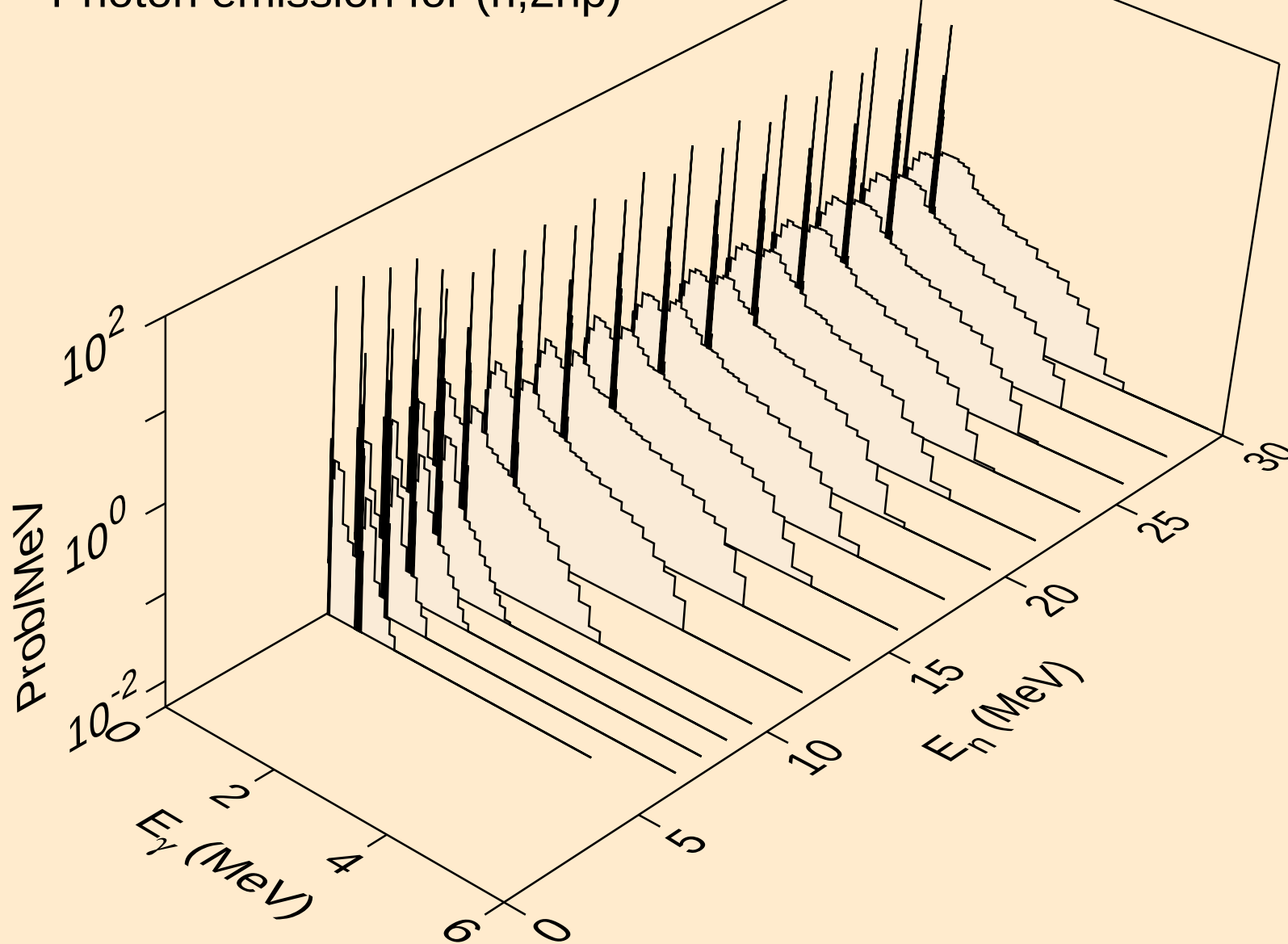
Photon emission for (n,n*)he3



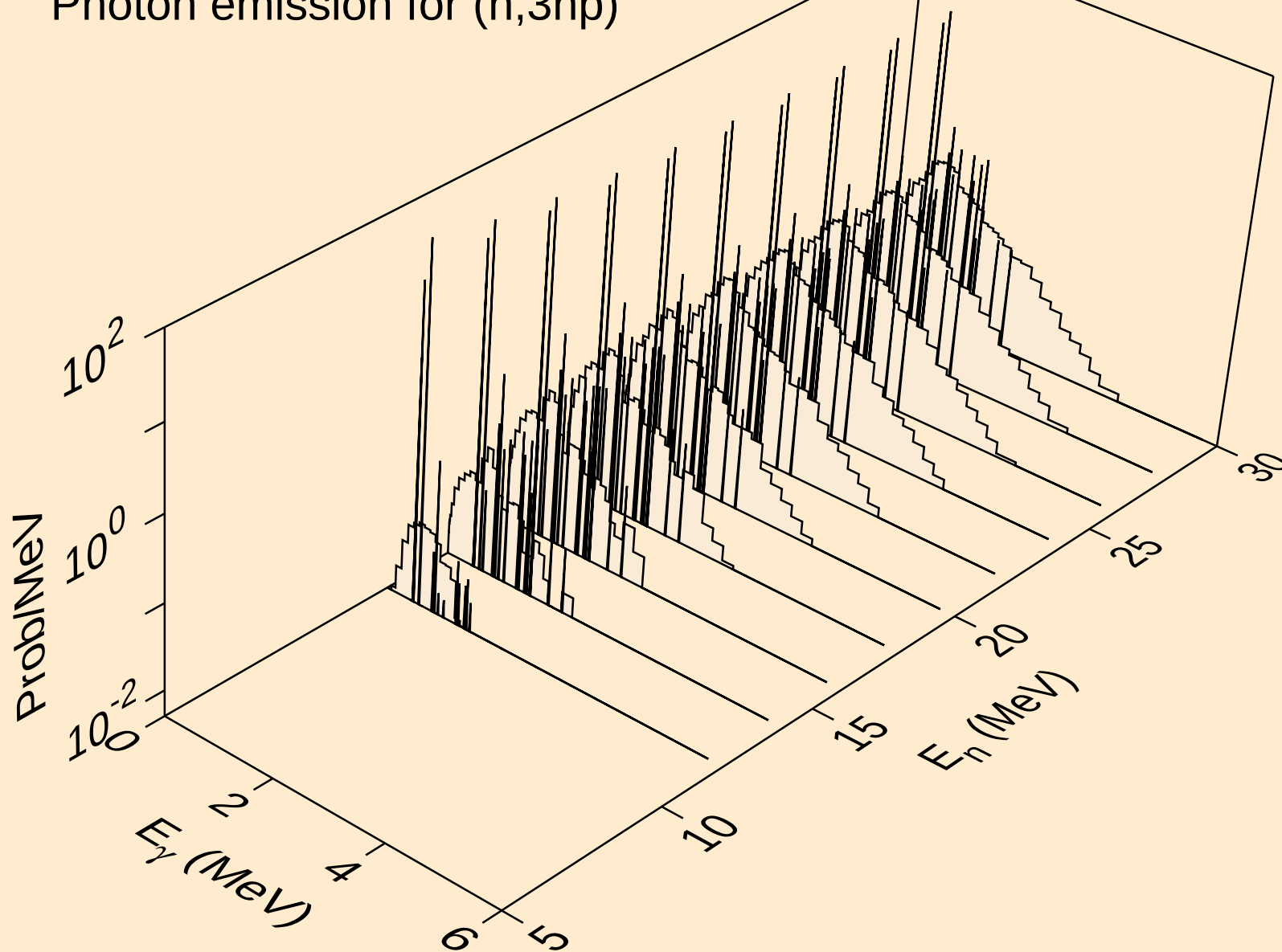
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,4n)



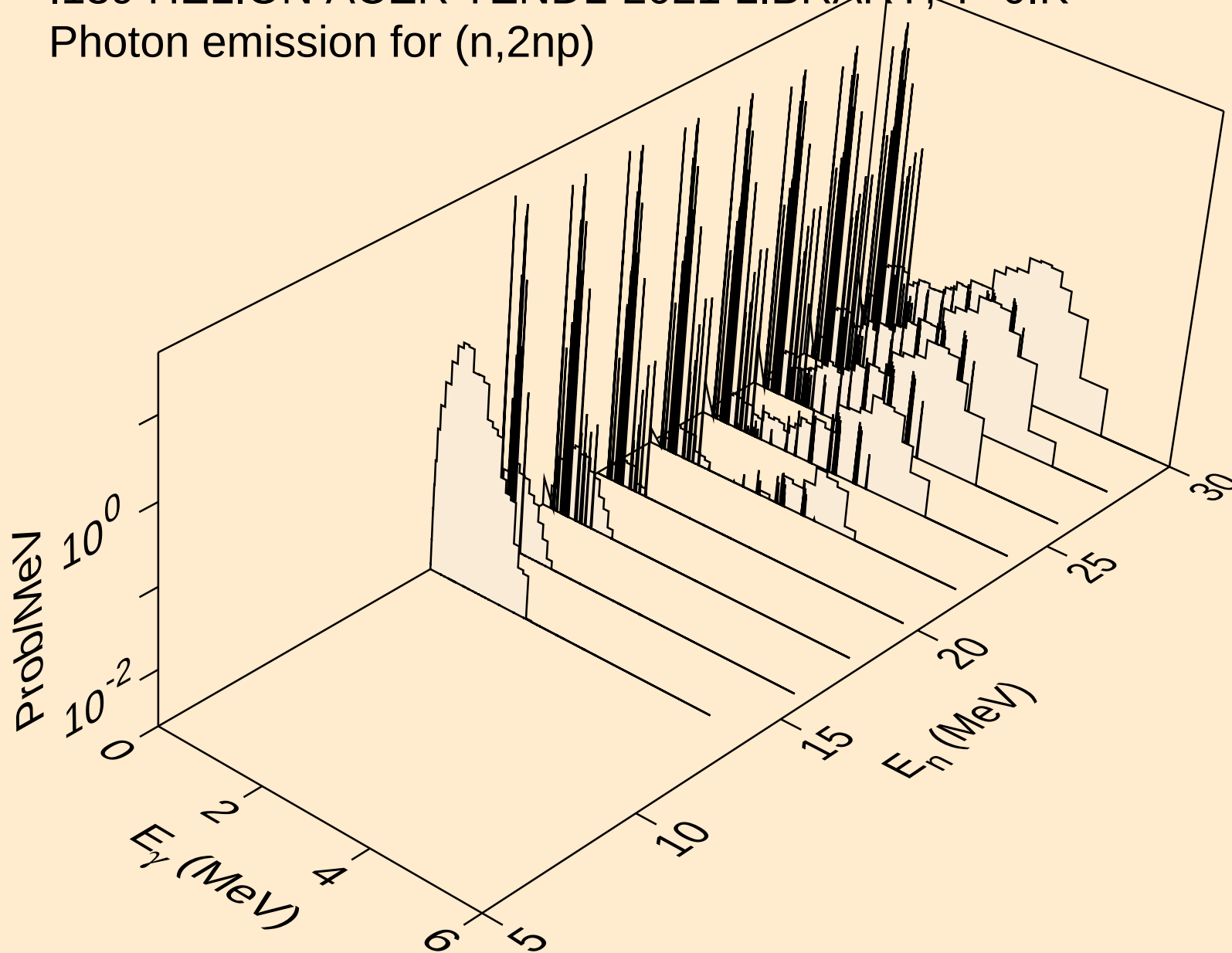
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2np)



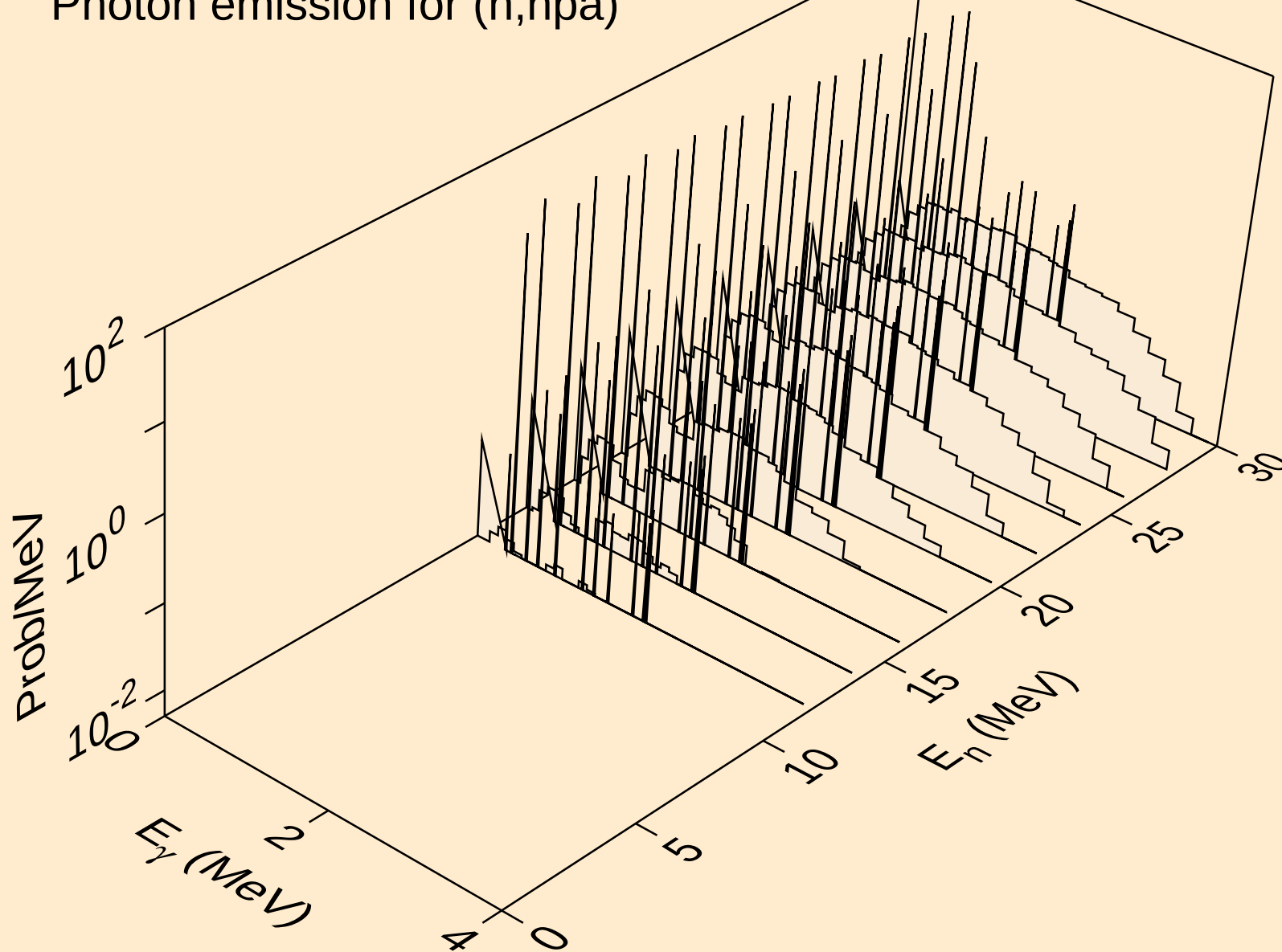
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Photon emission for (n,3np)



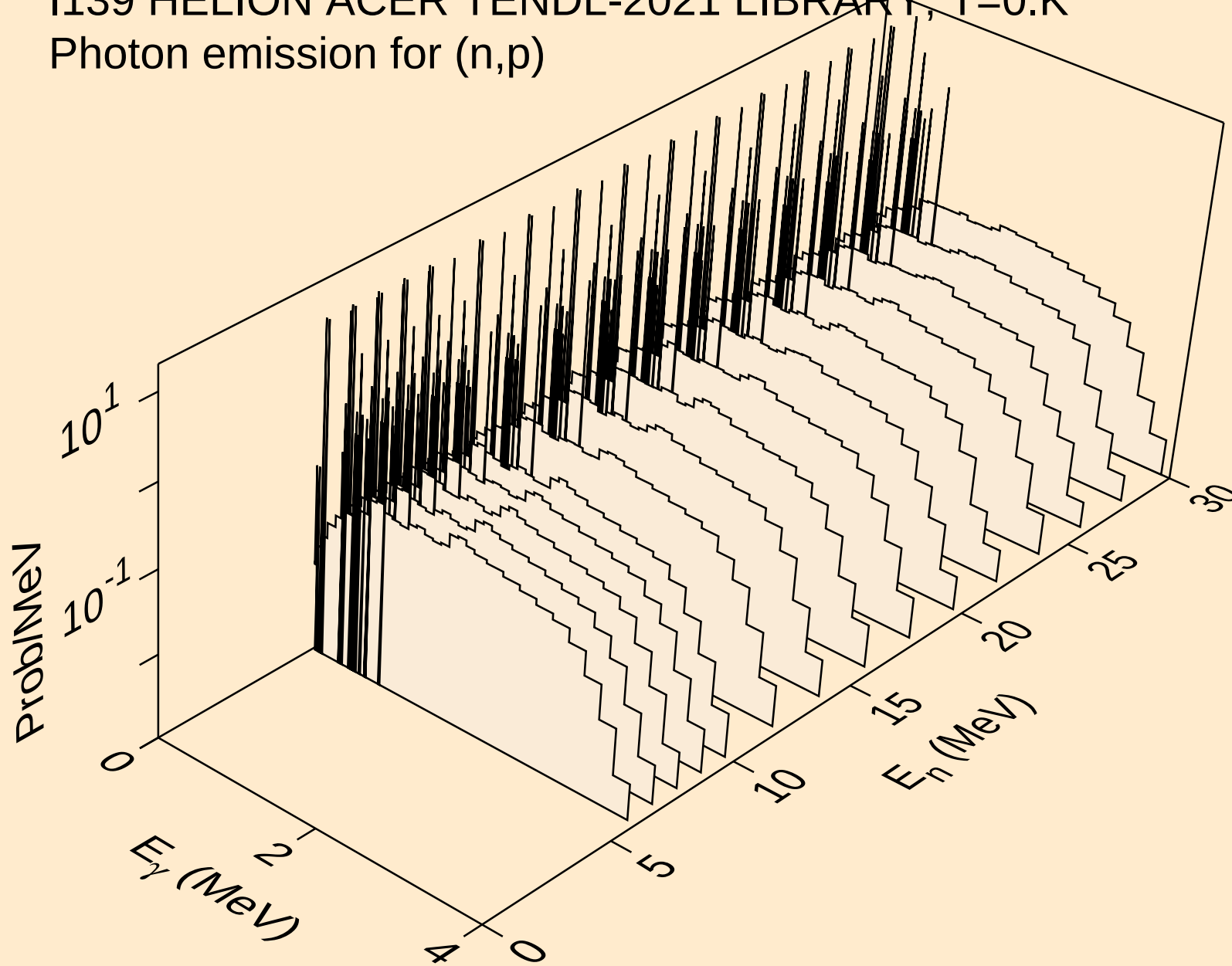
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Photon emission for (n,2np)



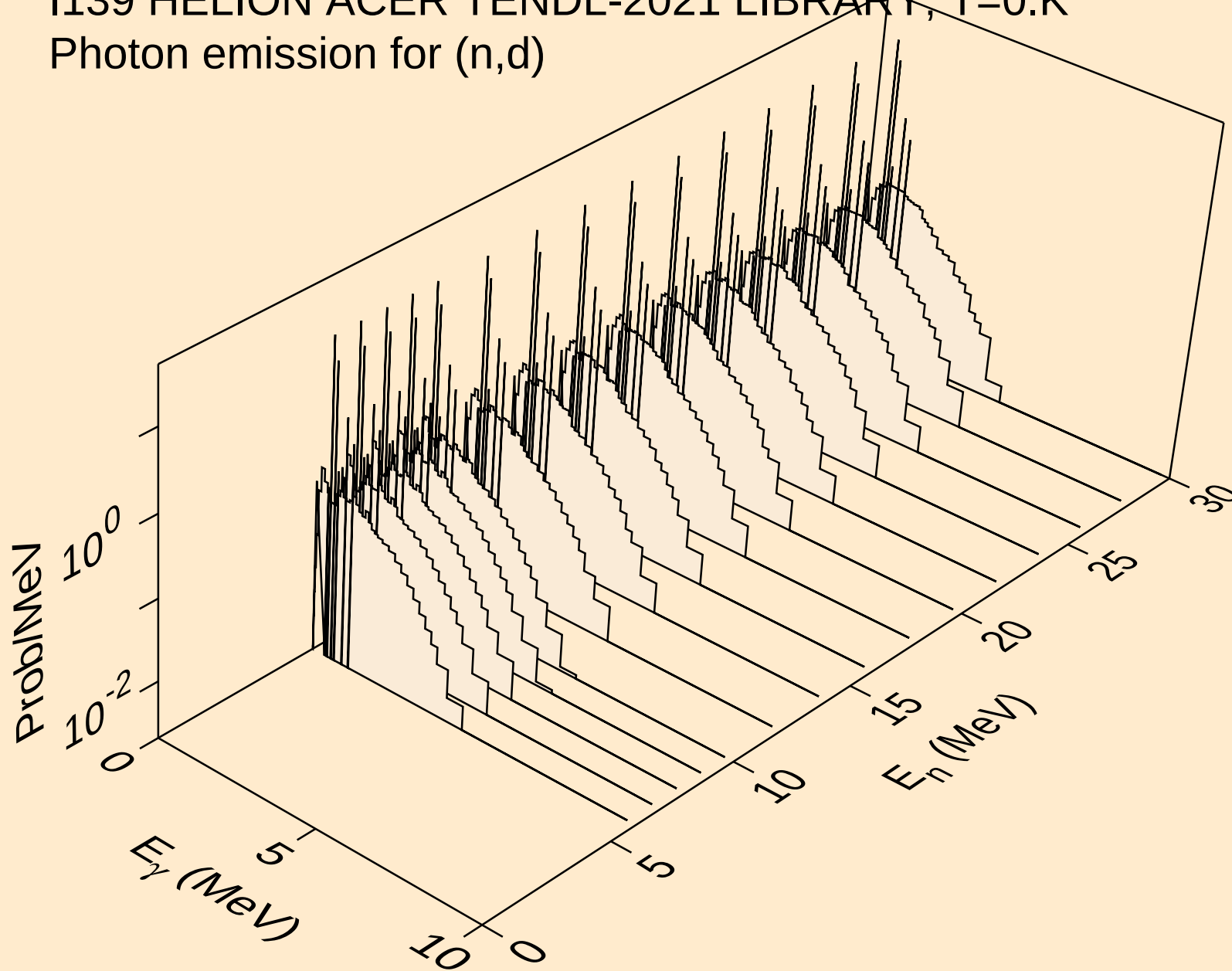
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,npa)



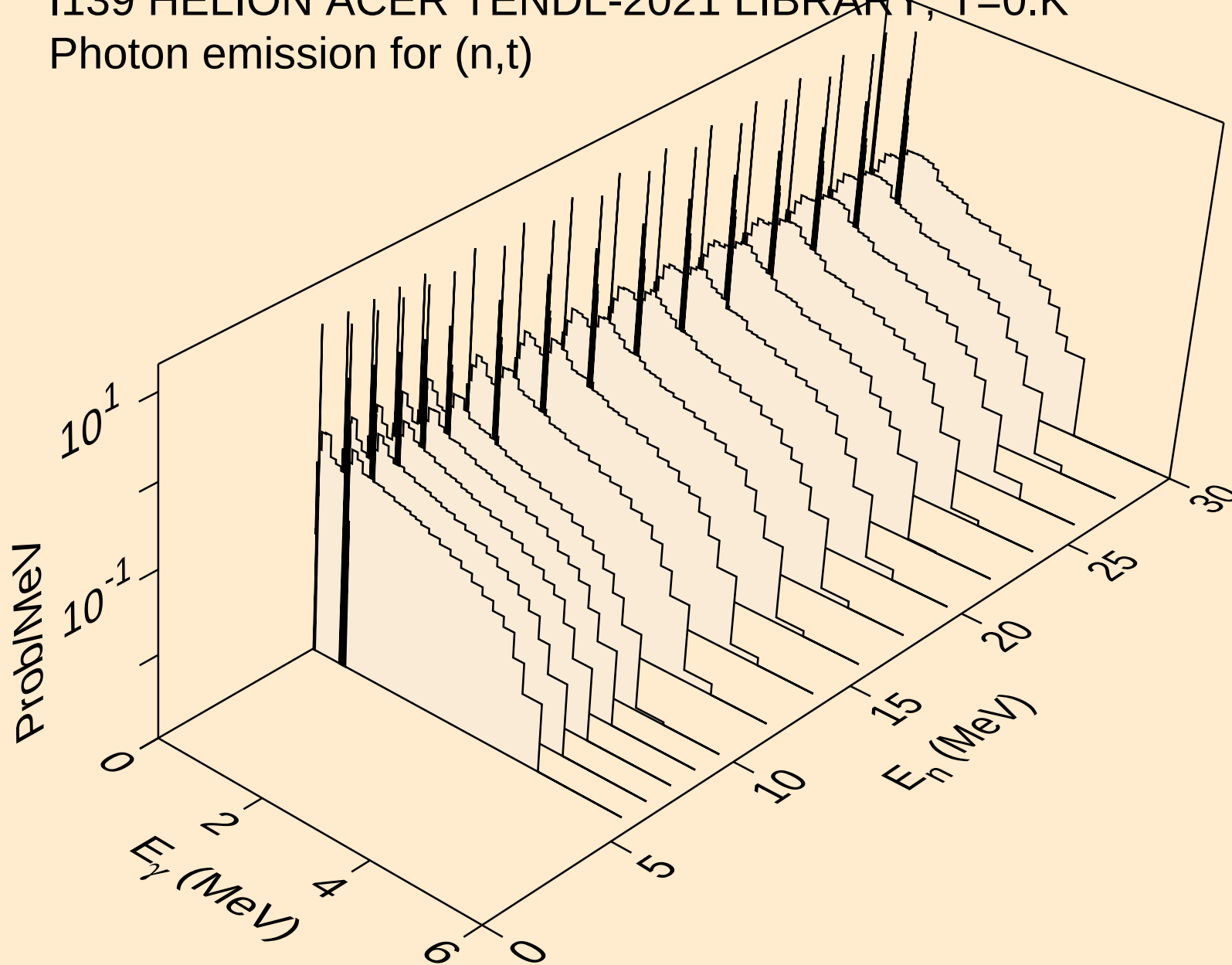
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p)



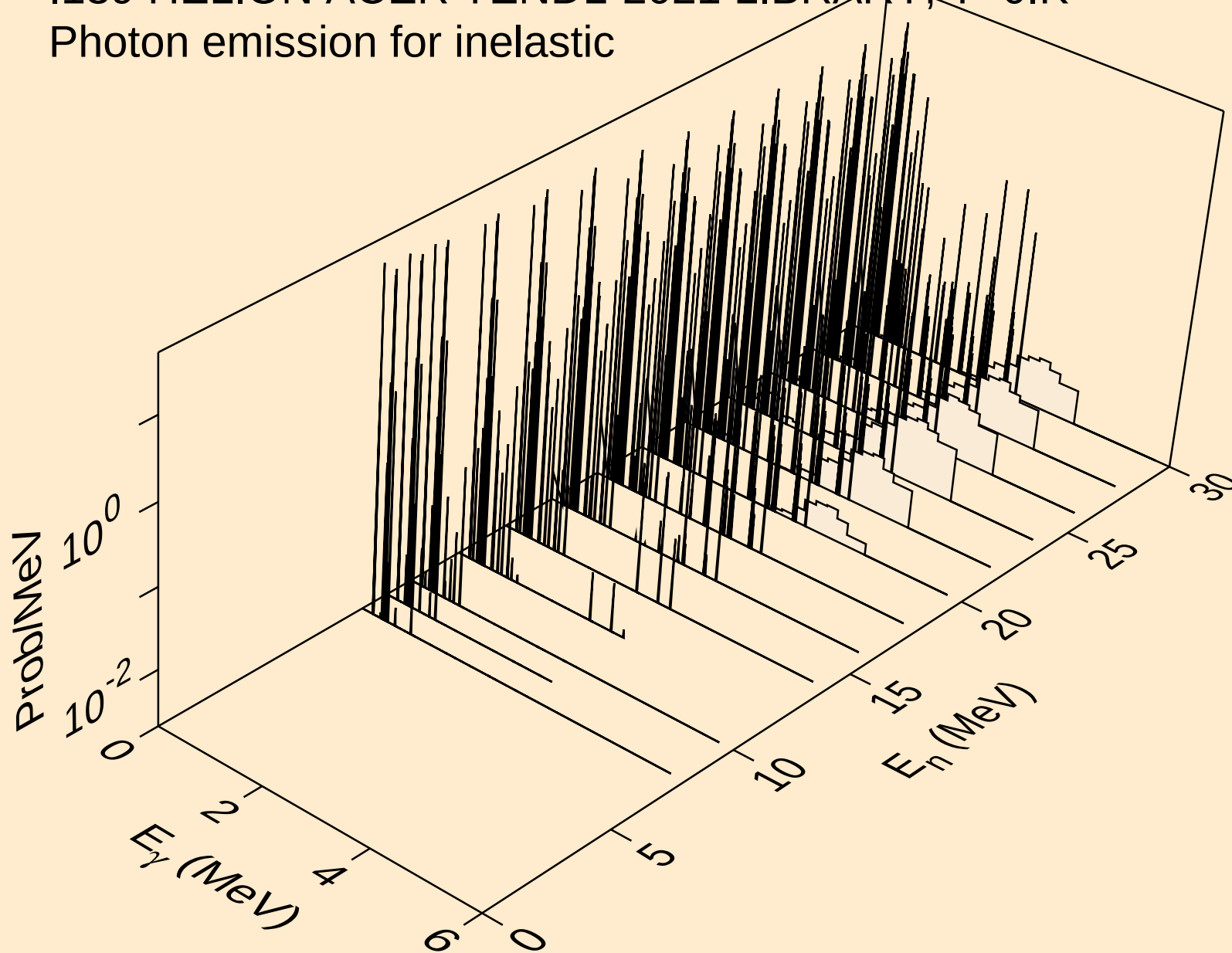
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,d)



I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,t)

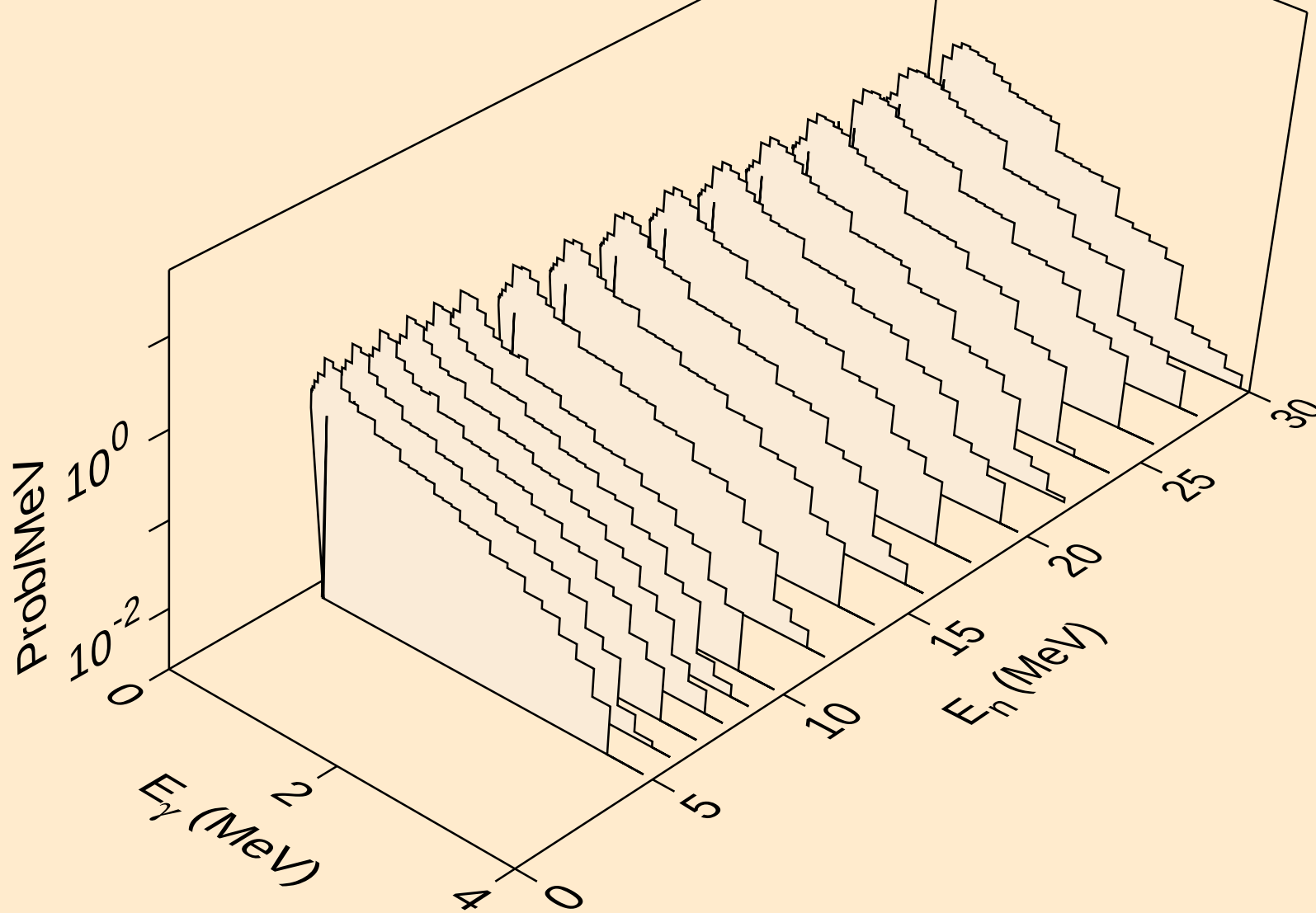


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic

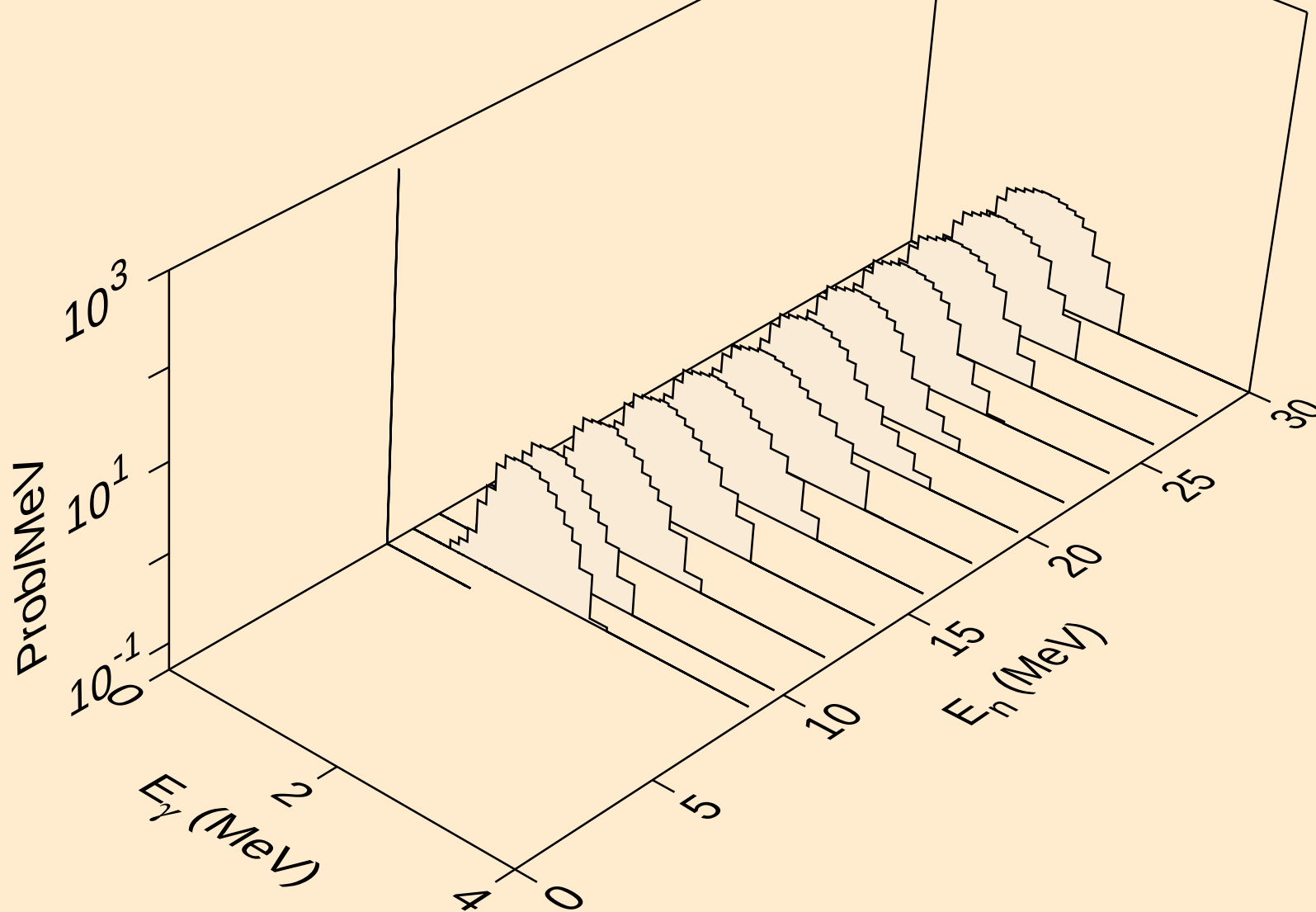


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

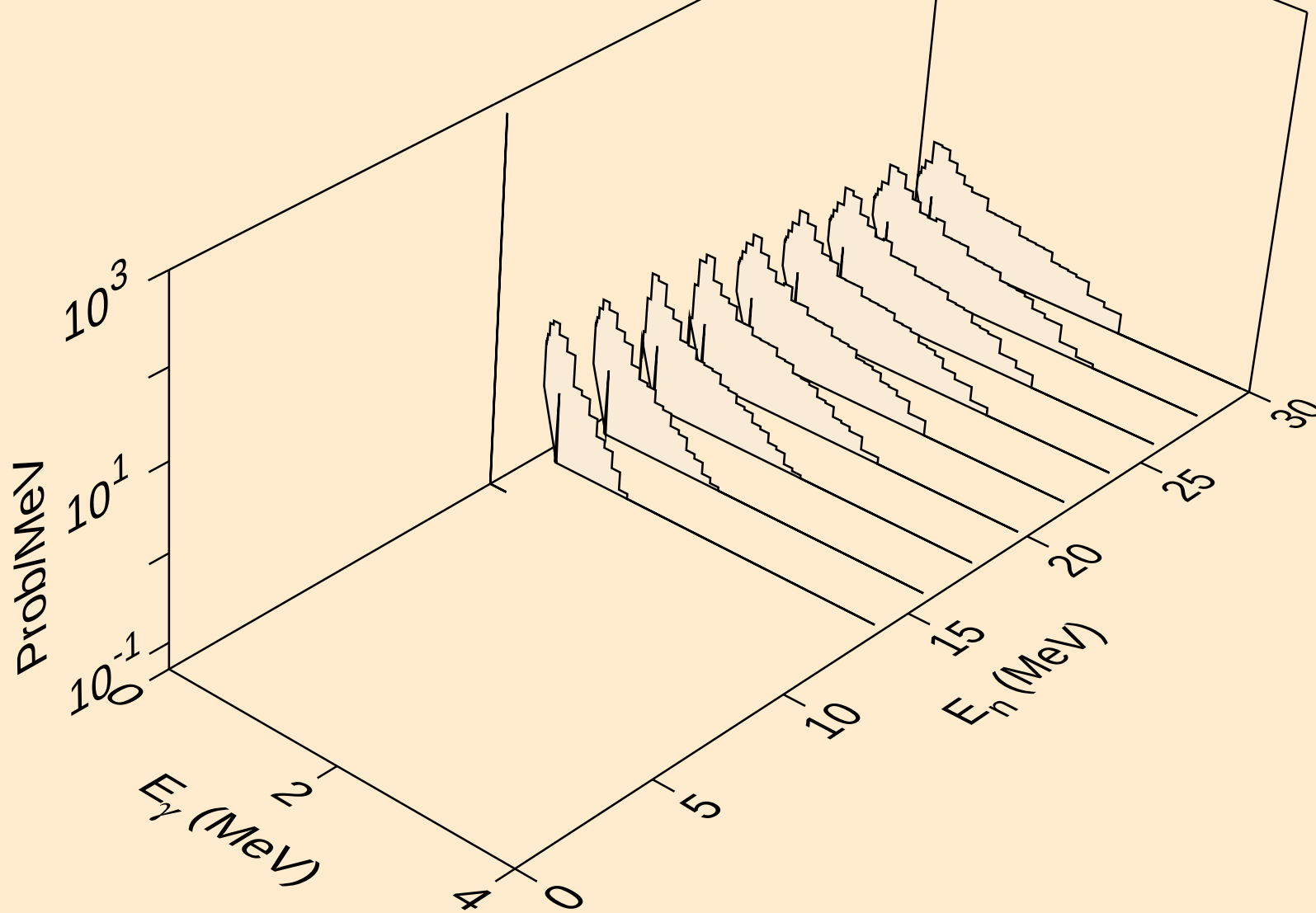
Photon emission for (n,a)



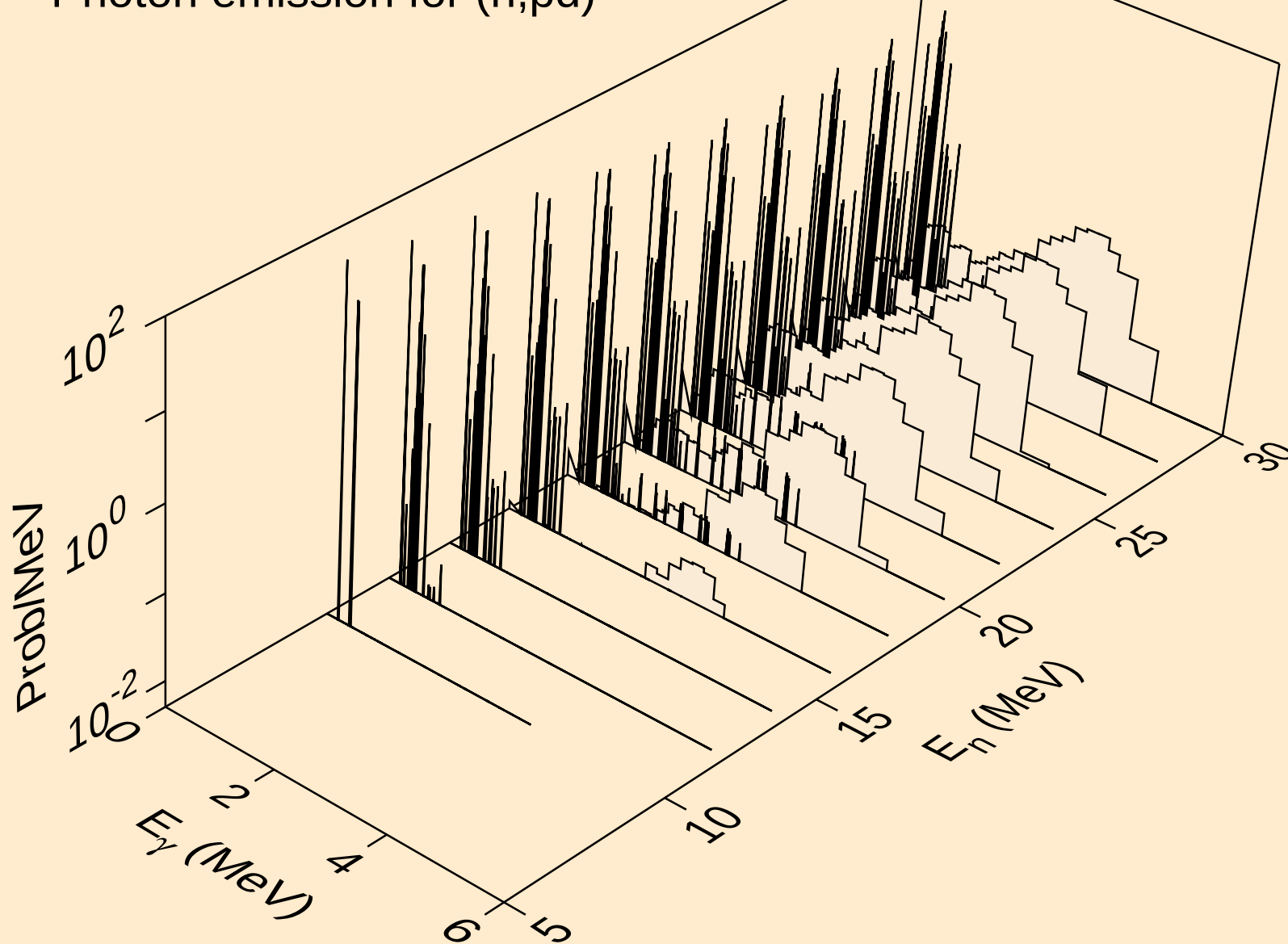
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2a)



I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2p)

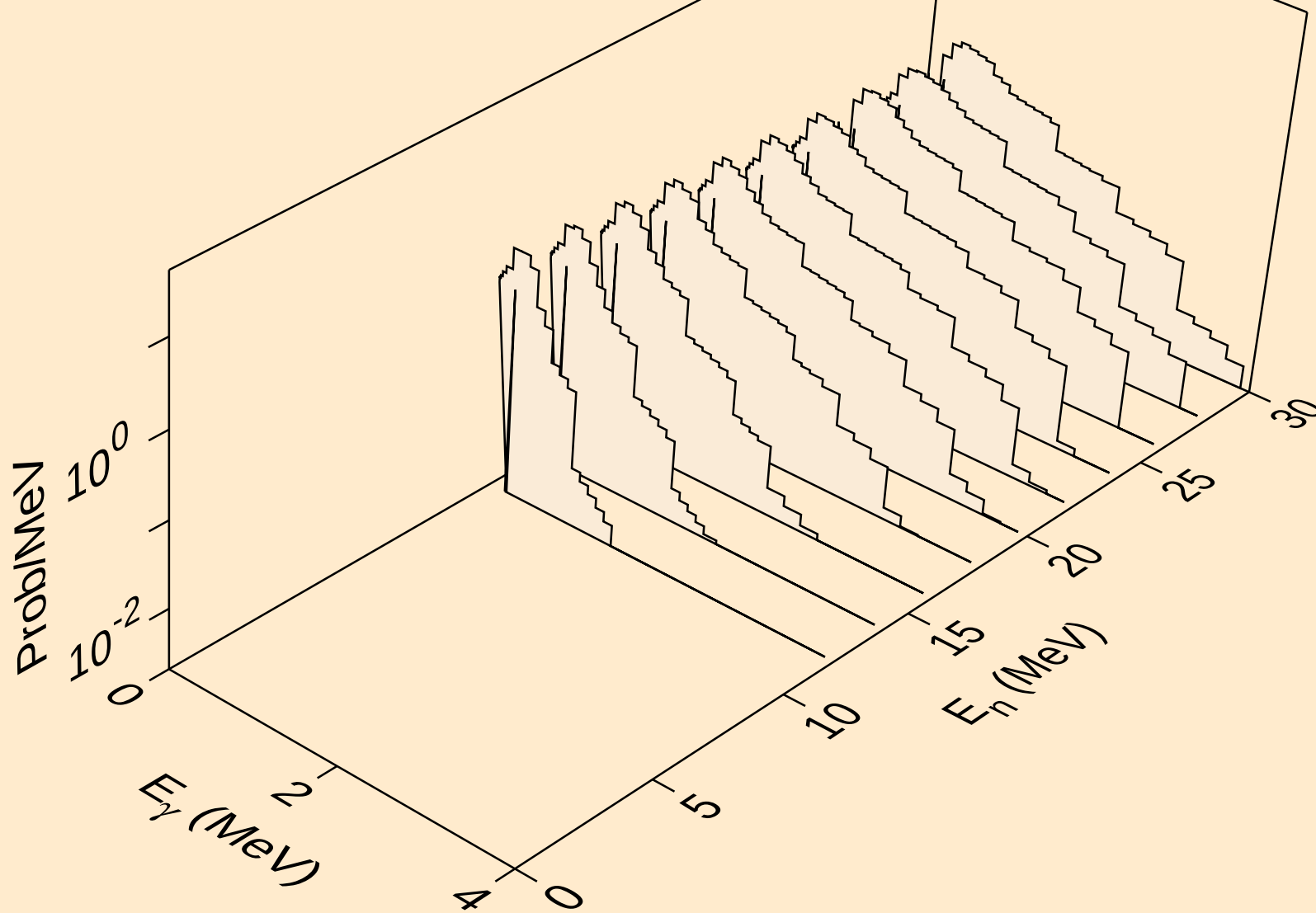


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pd)

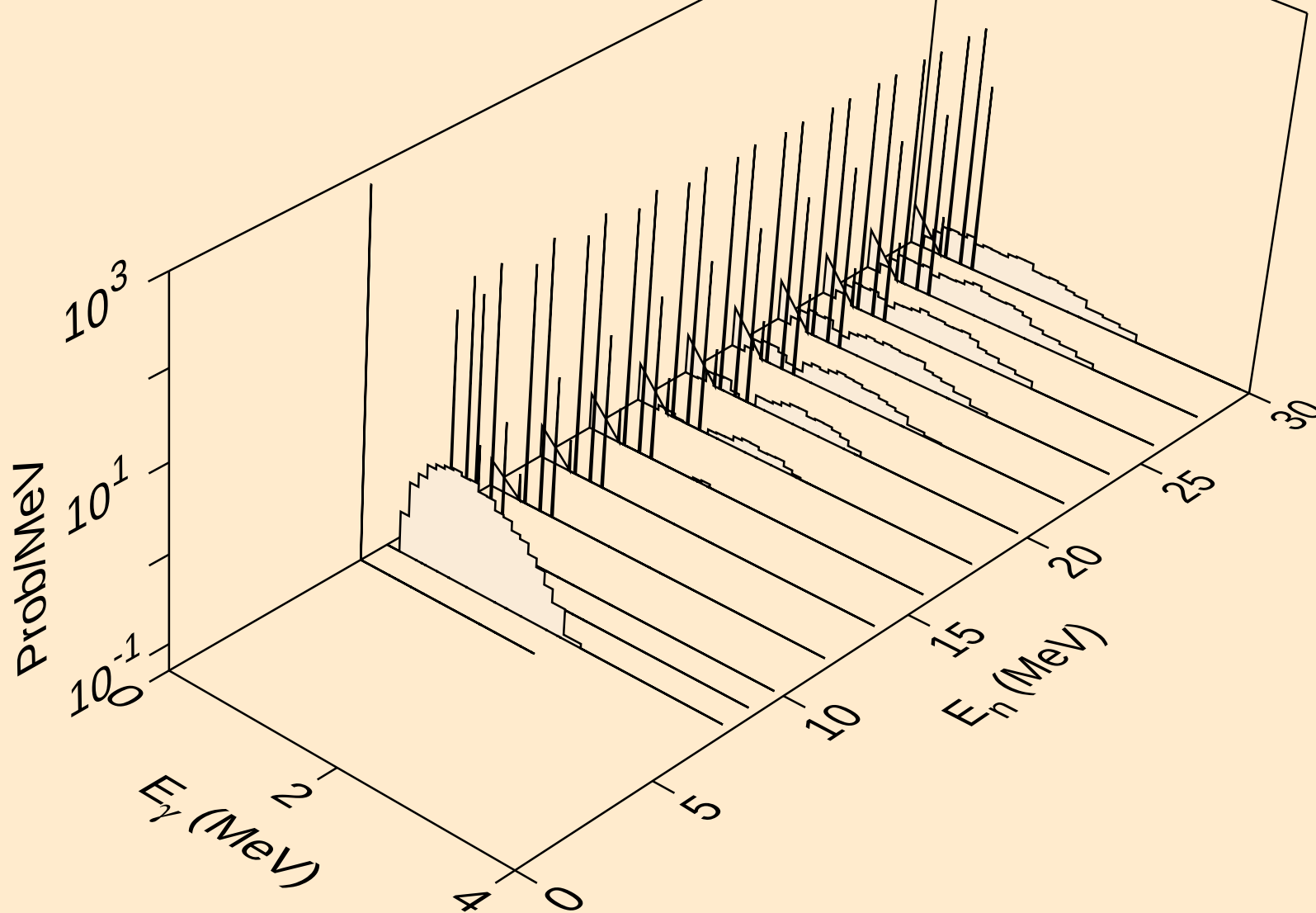


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,pt)

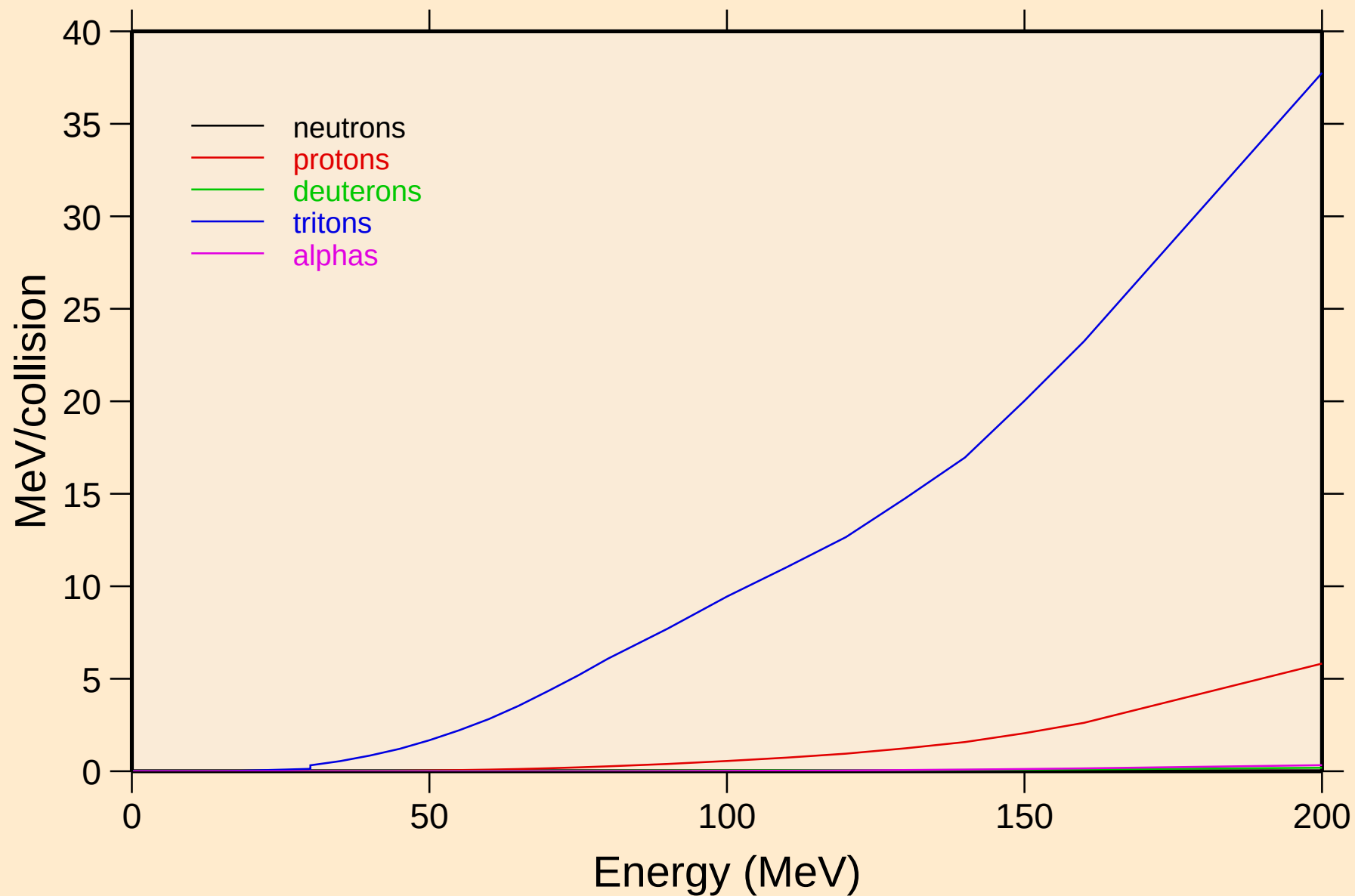


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,da)



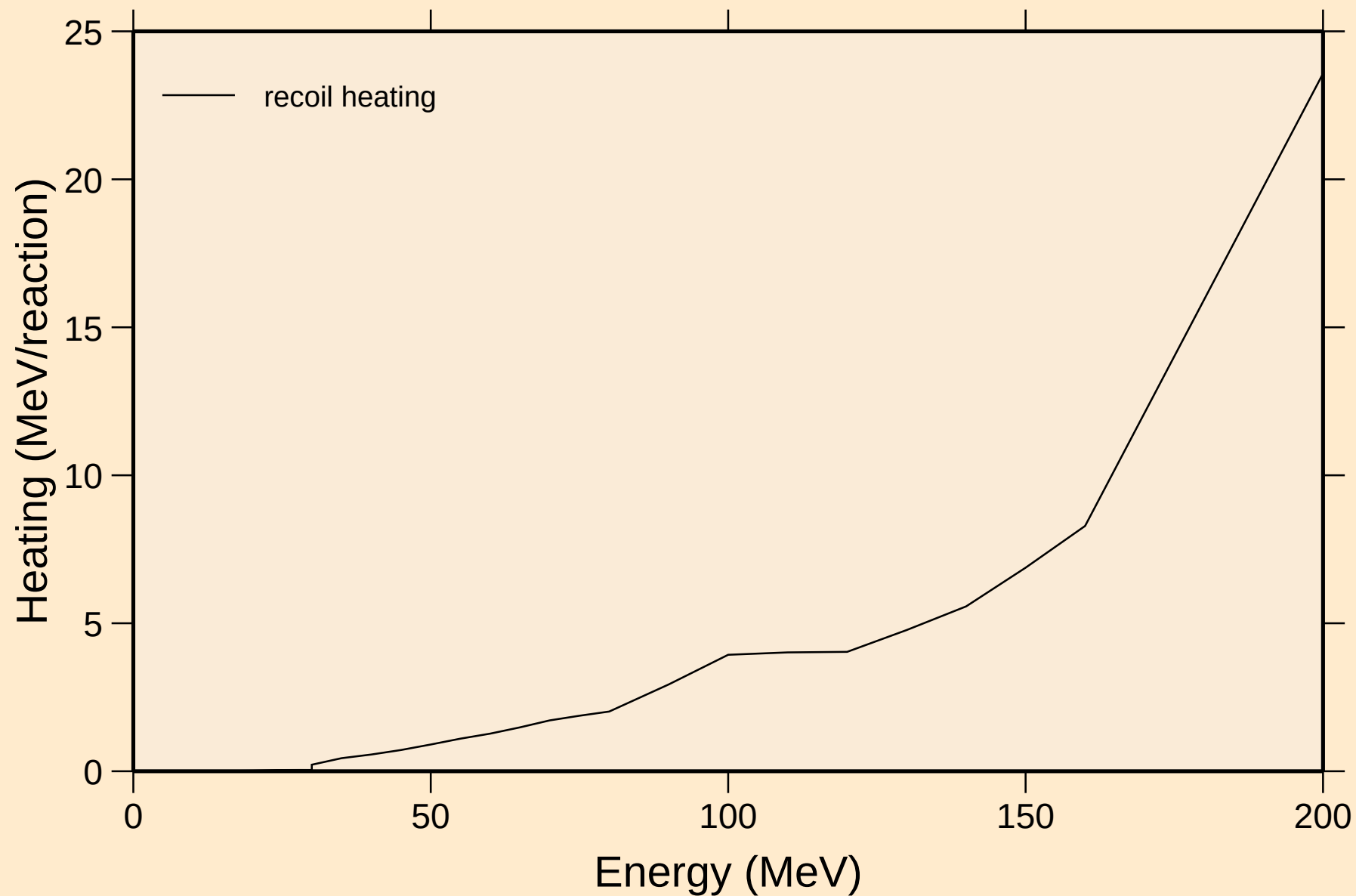
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Particle heating contributions



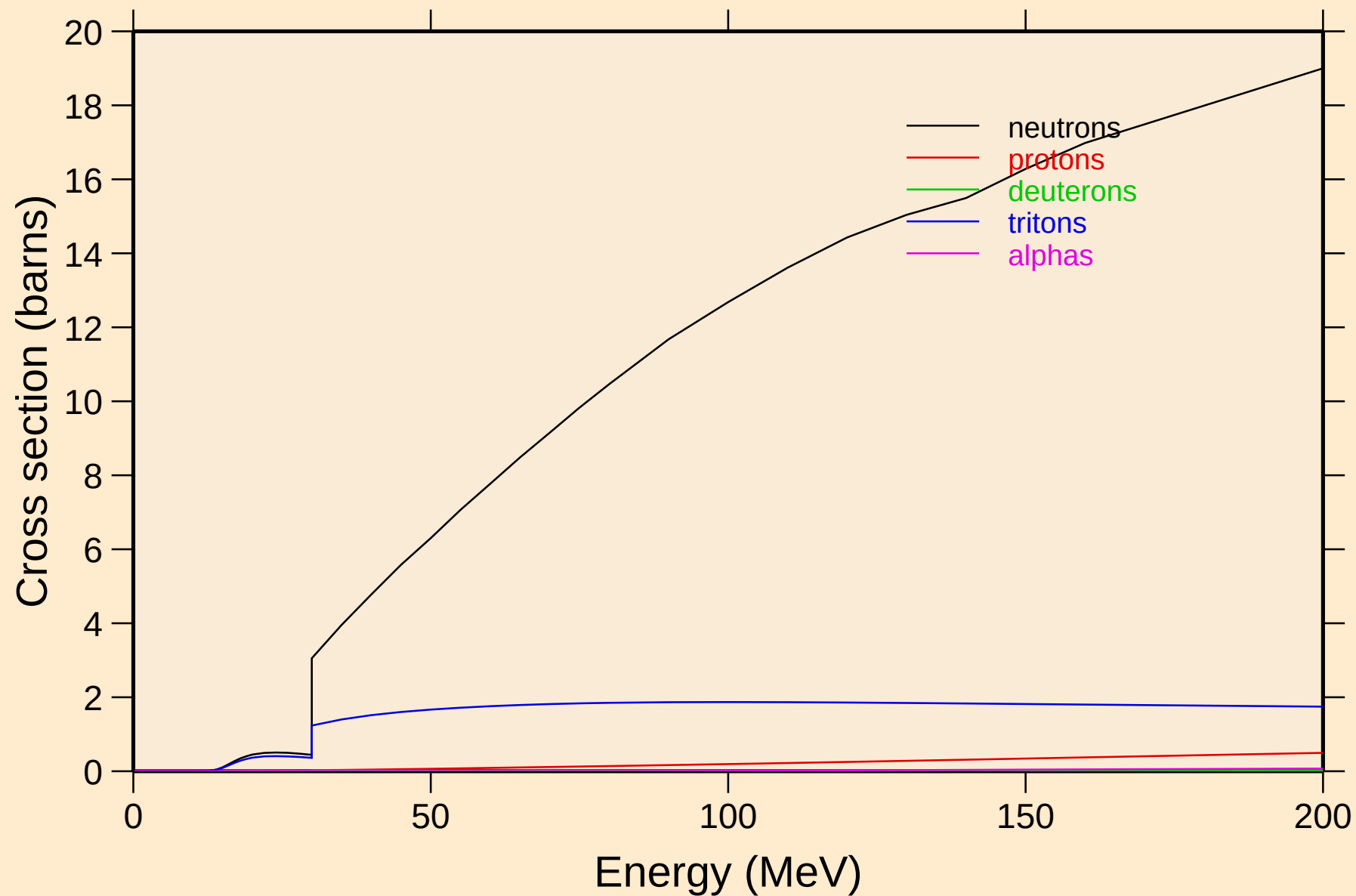
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

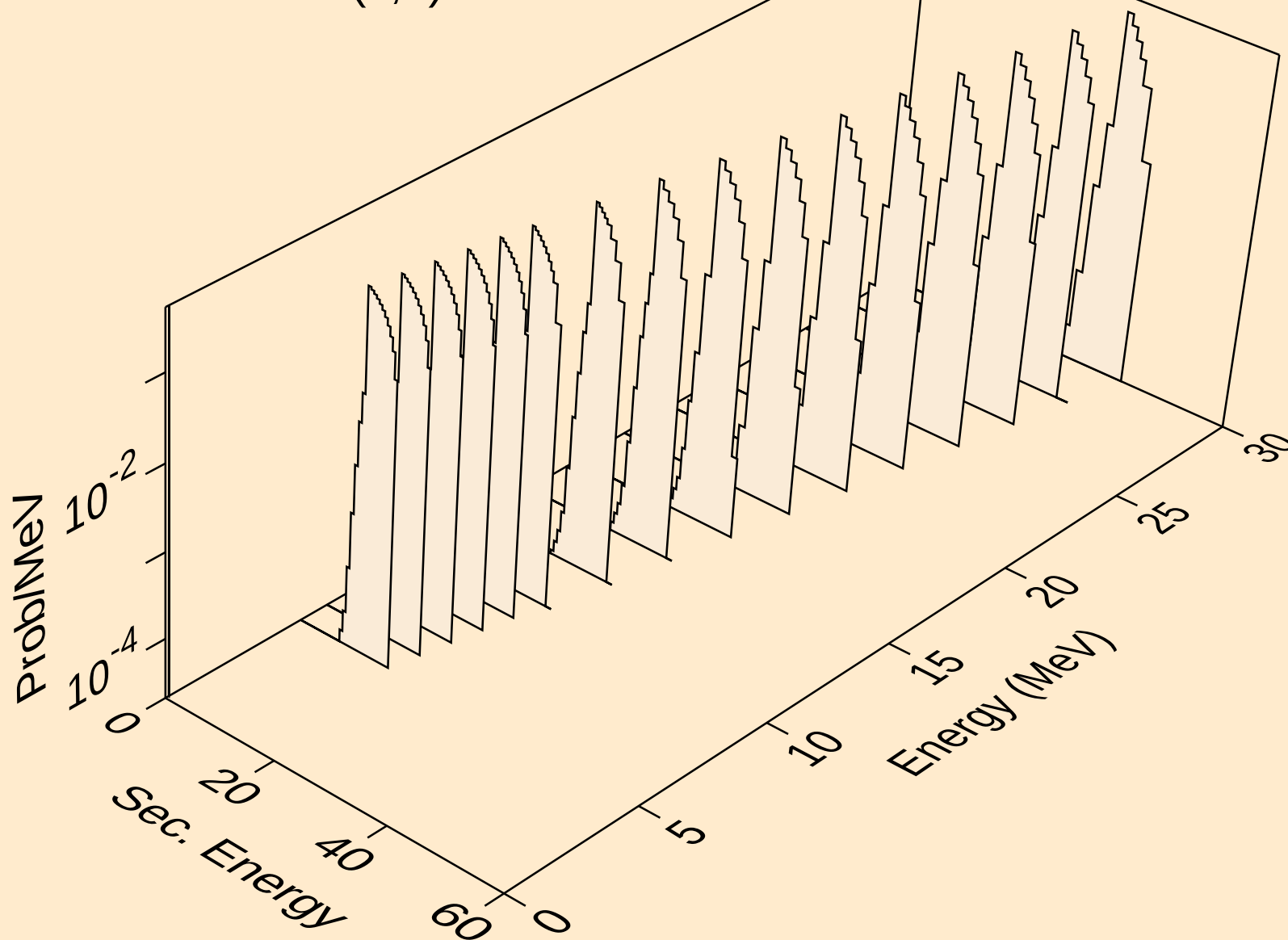


I139 HELION ACER TENDL-2021 LIBRARY; T=0.K

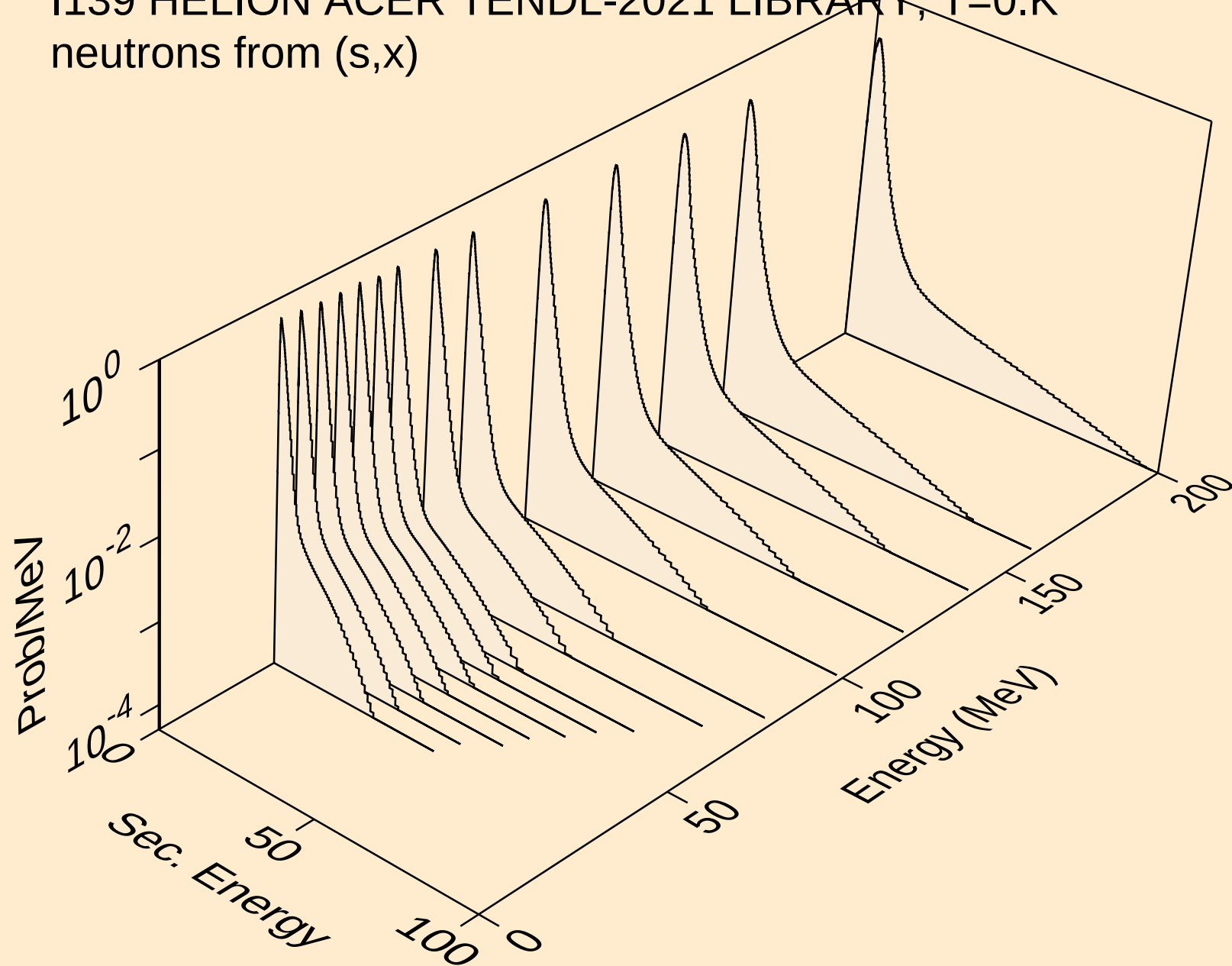
Particle production cross sections



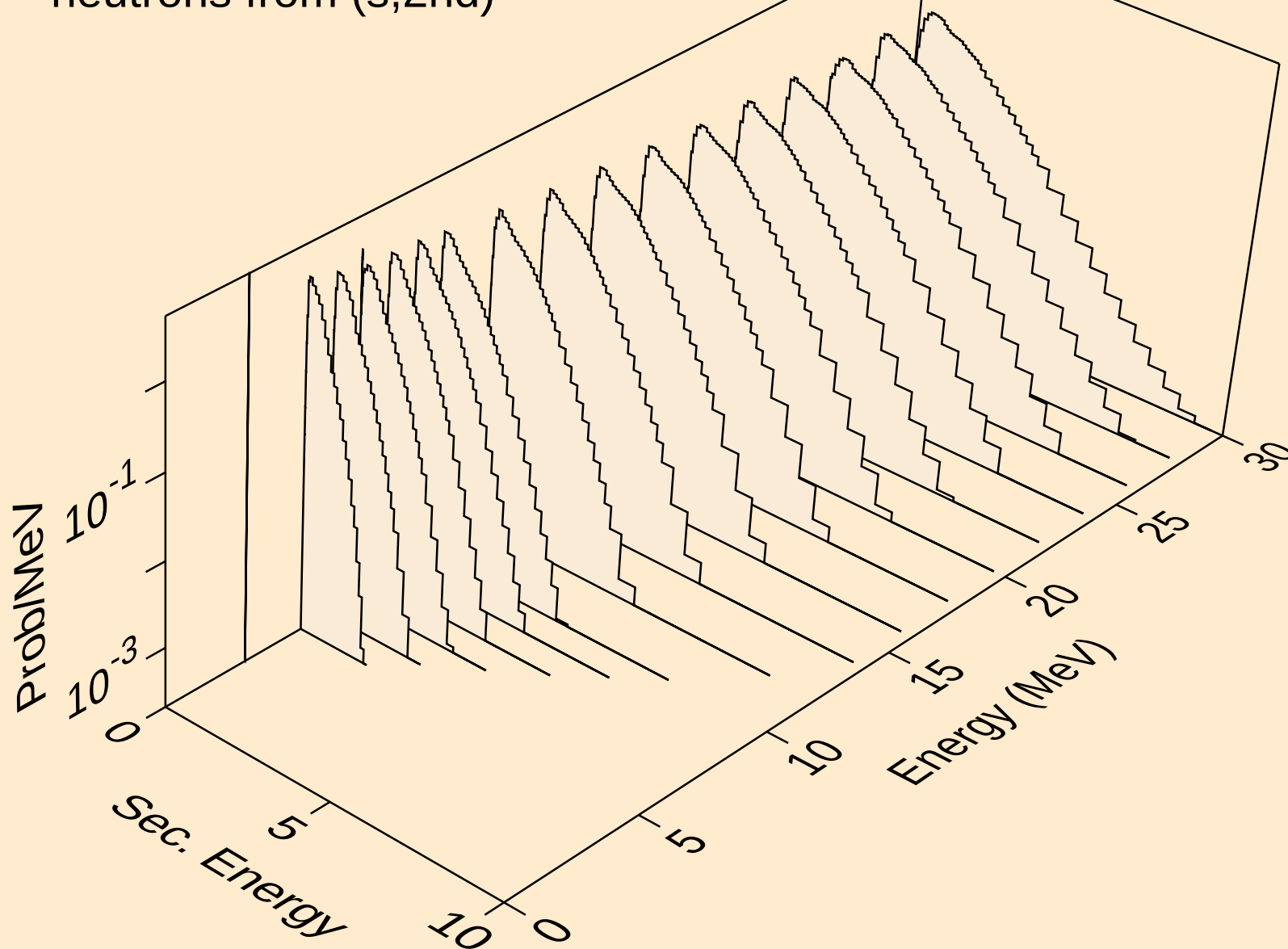
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n)



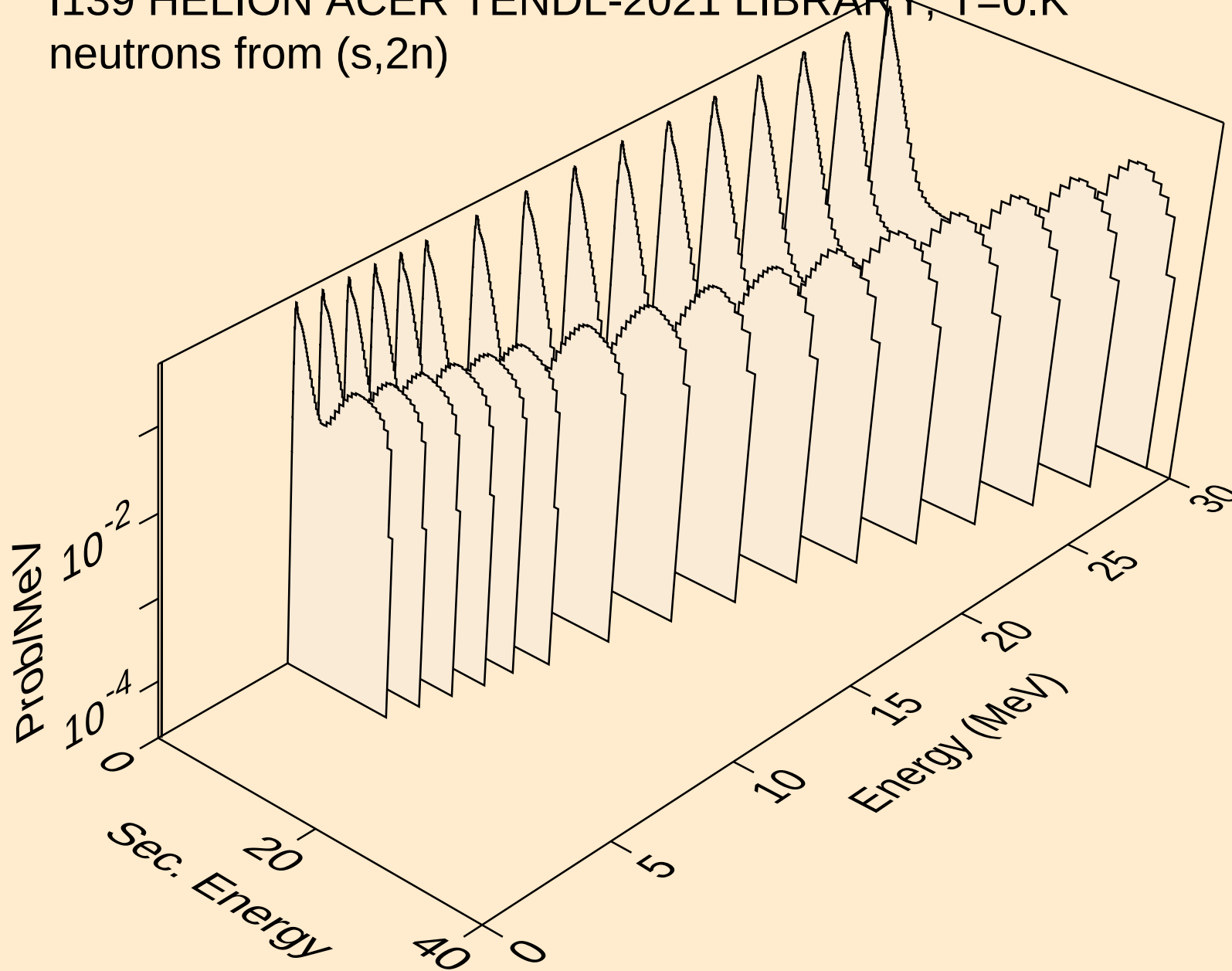
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,x)



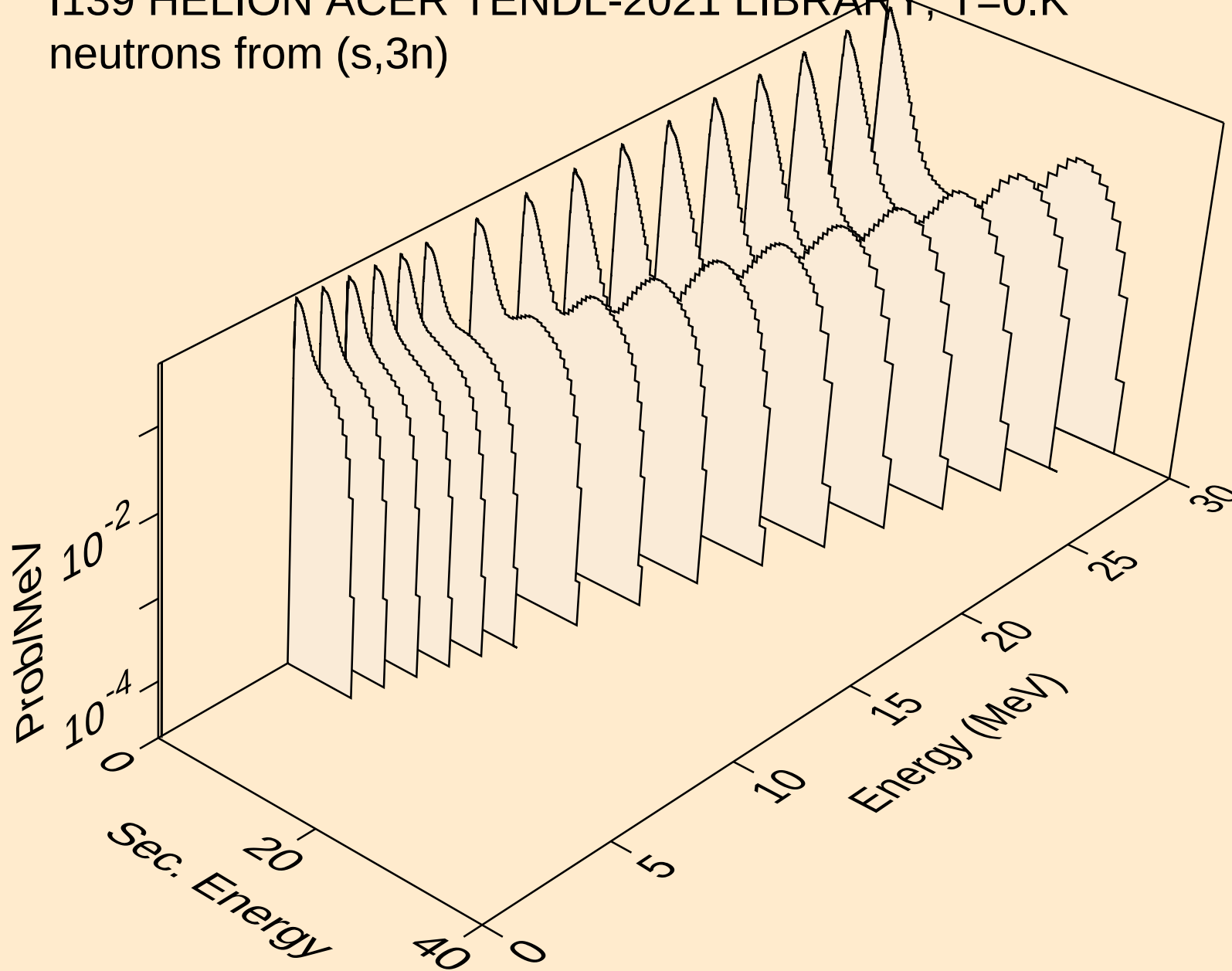
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2nd)



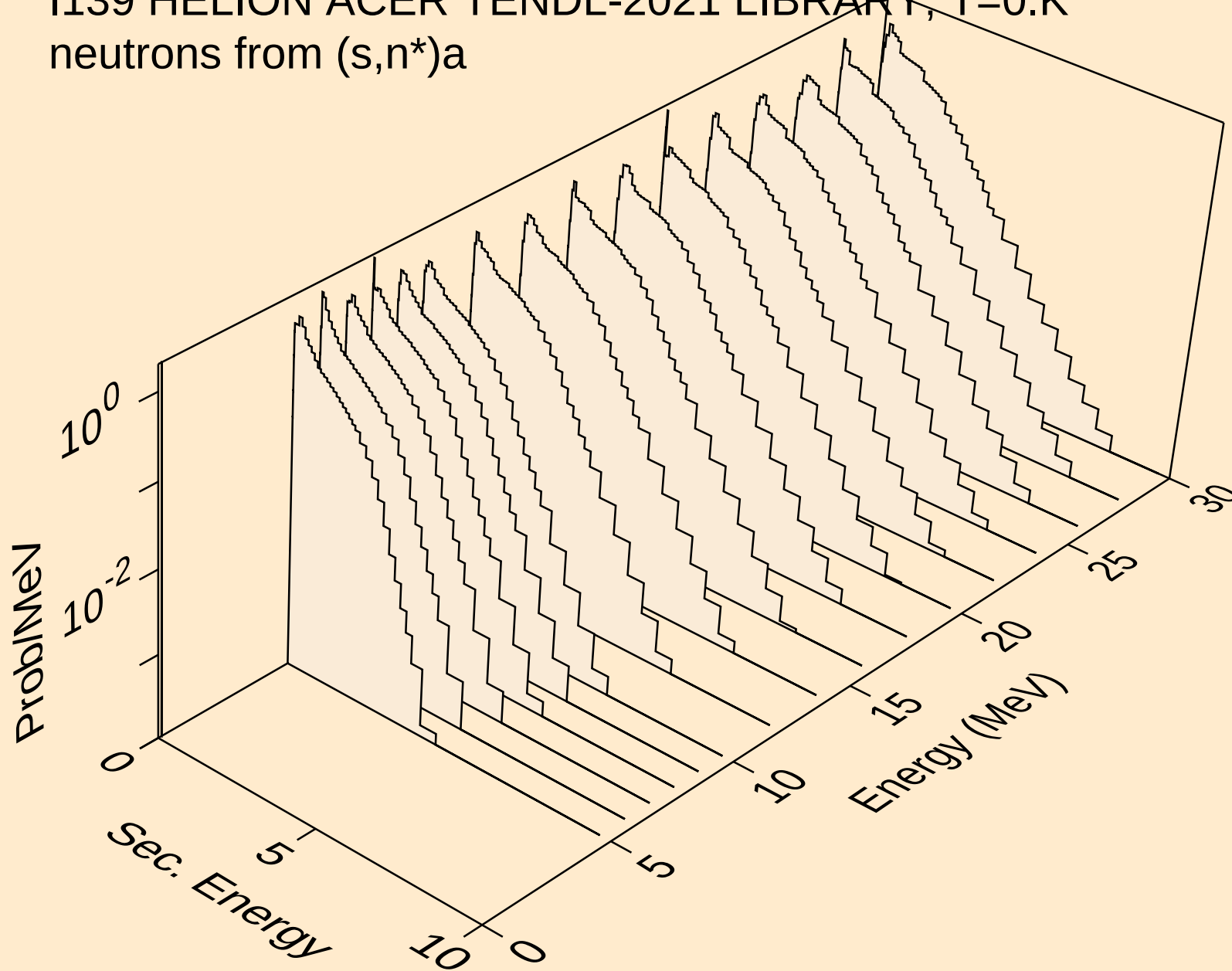
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2n)



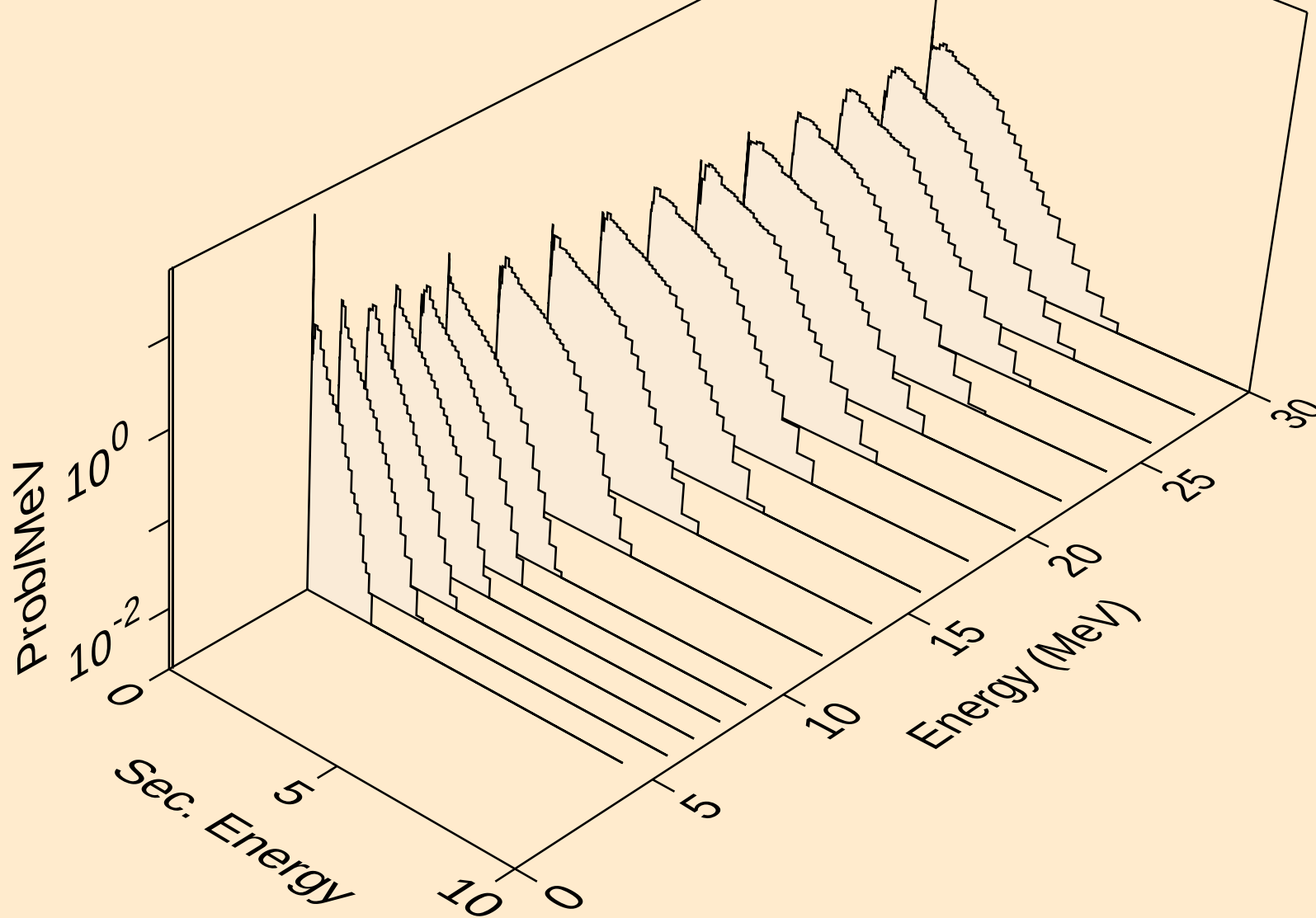
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,3n)



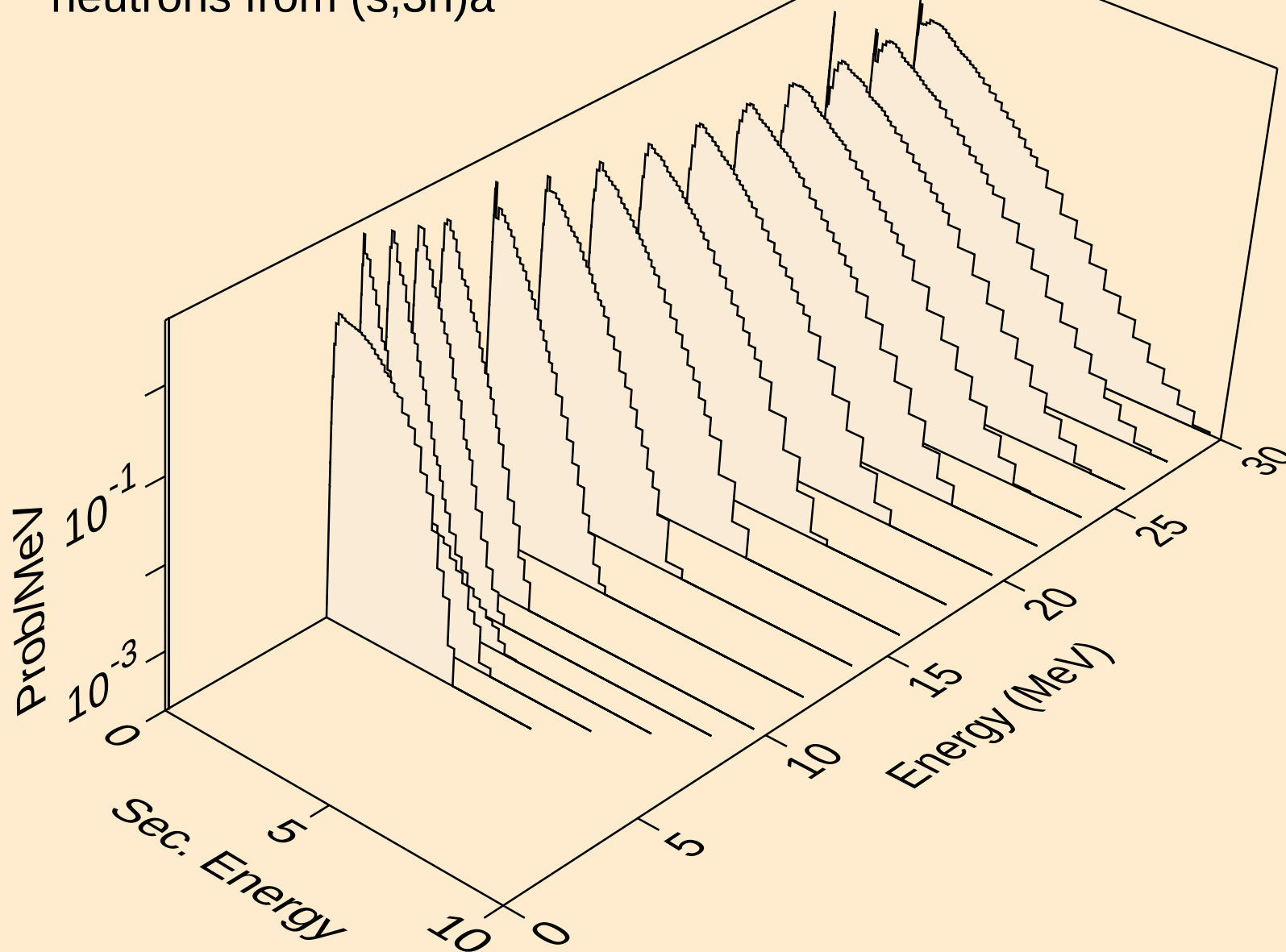
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)a



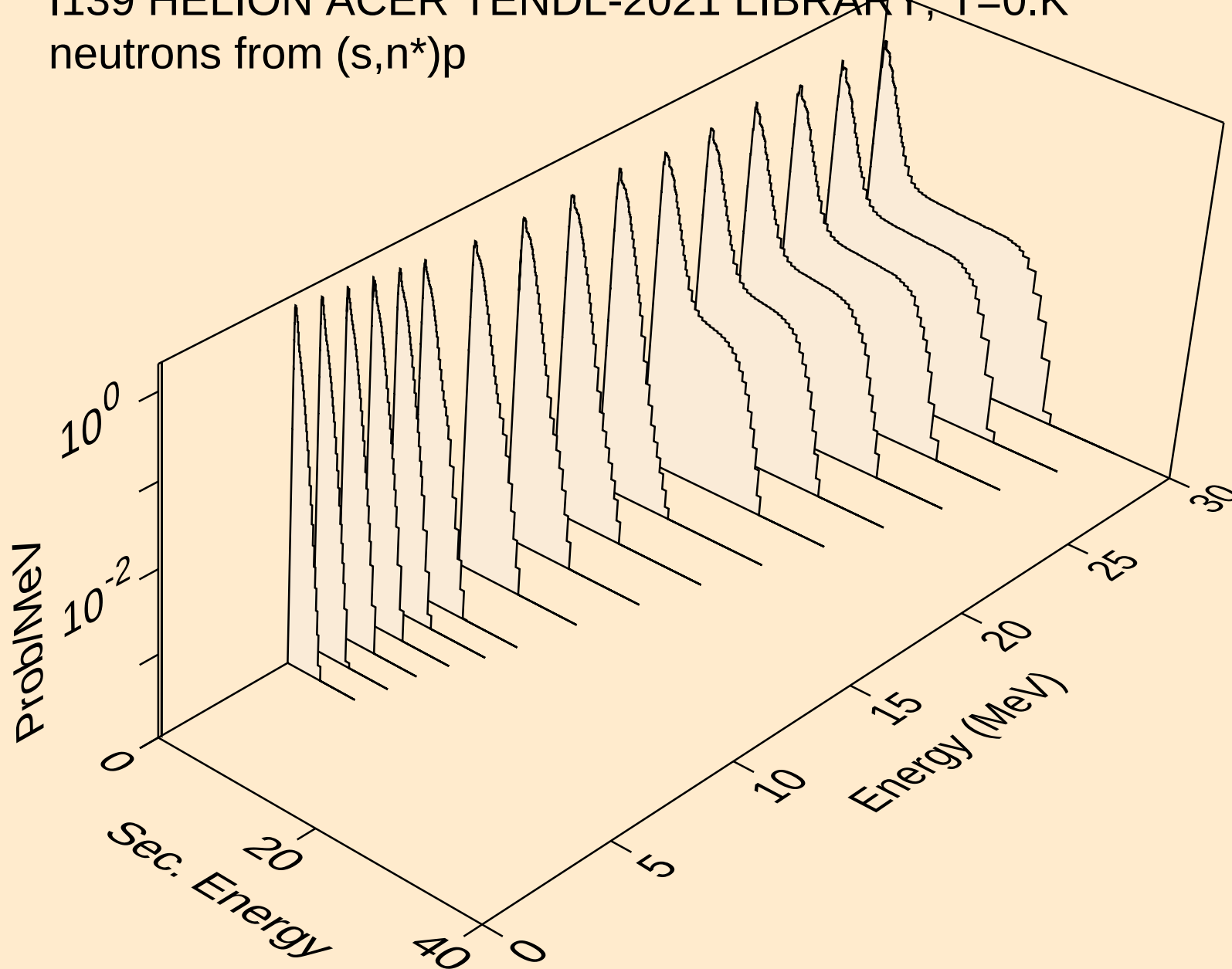
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2n)a



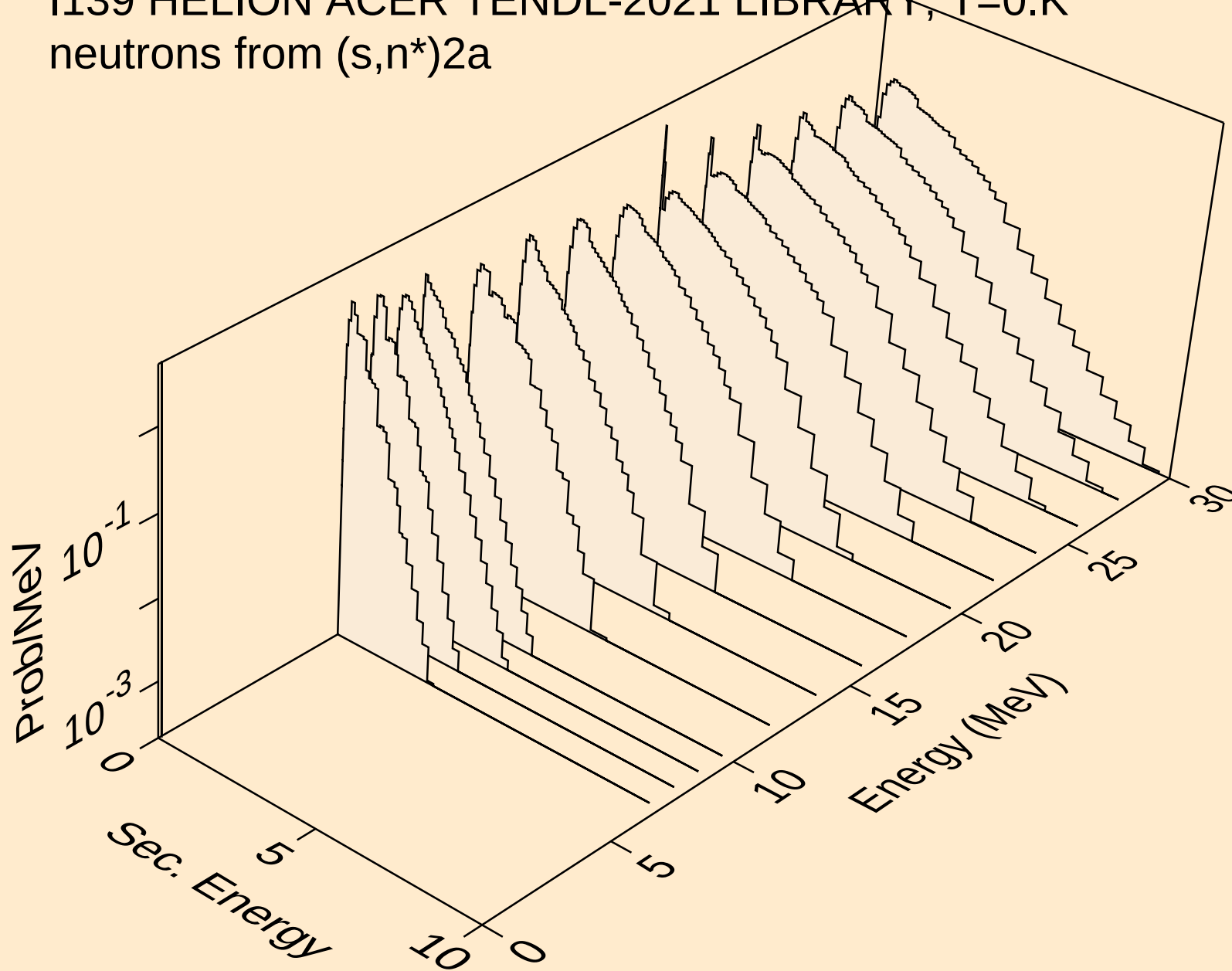
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,3n)a



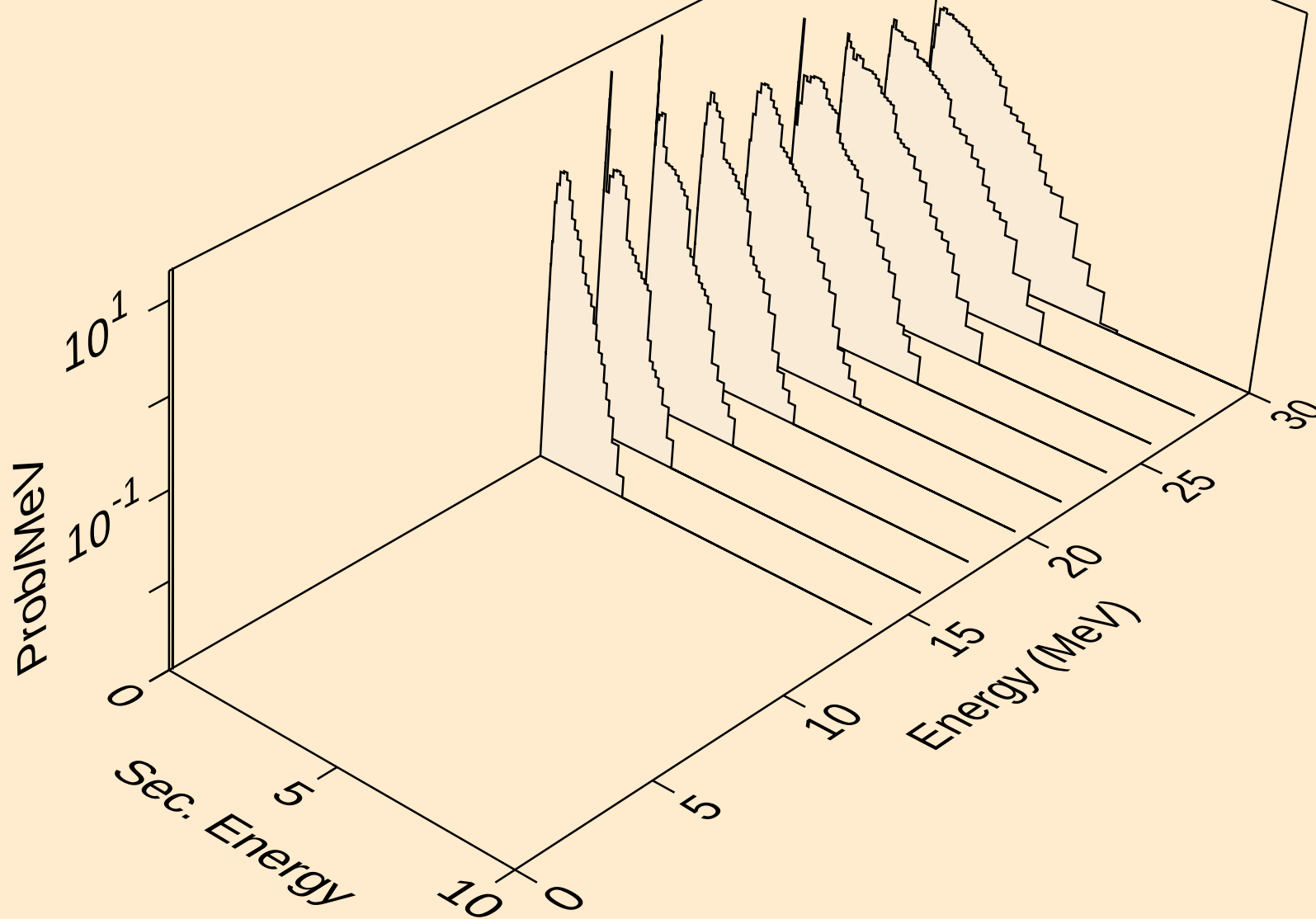
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)p



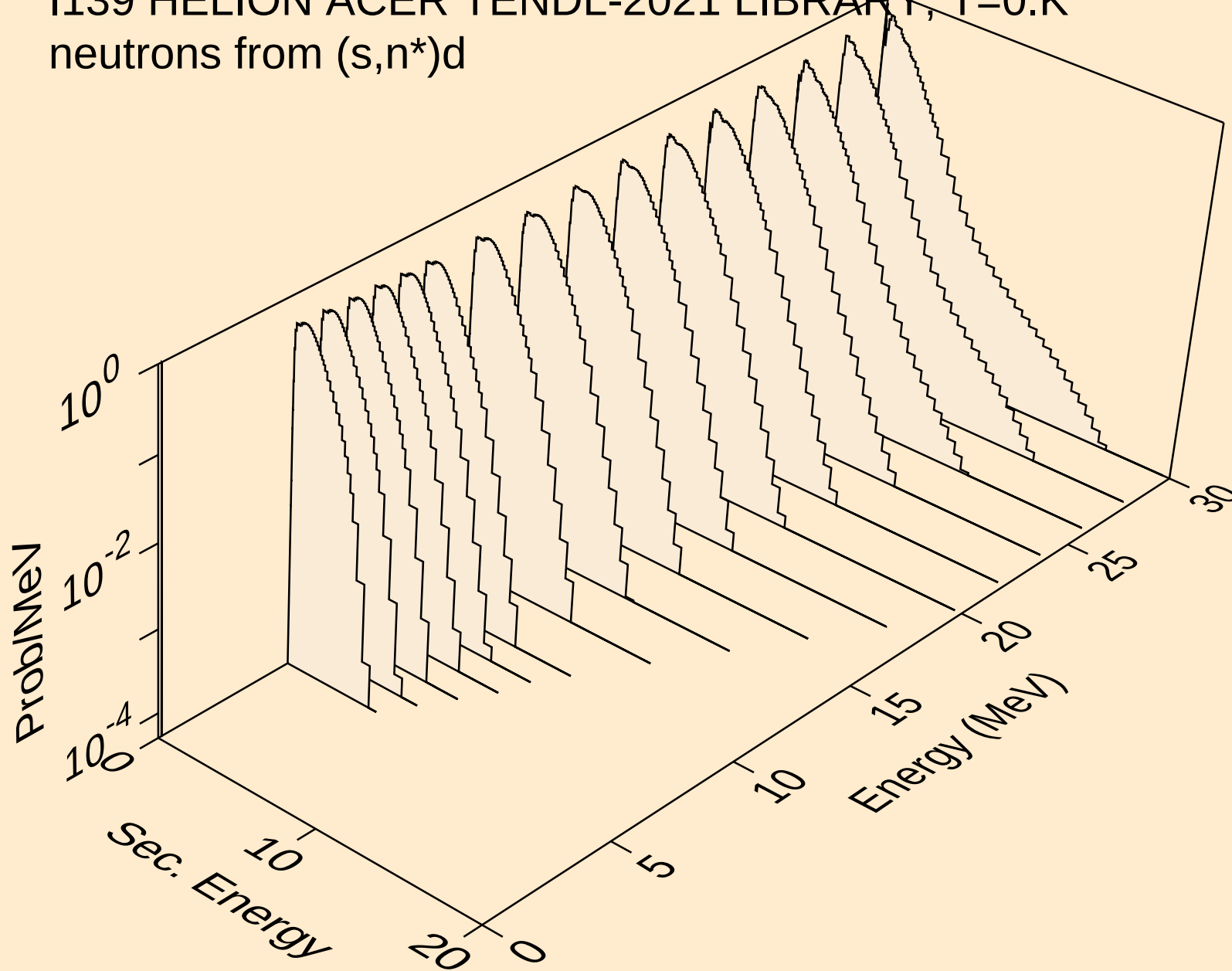
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)2a



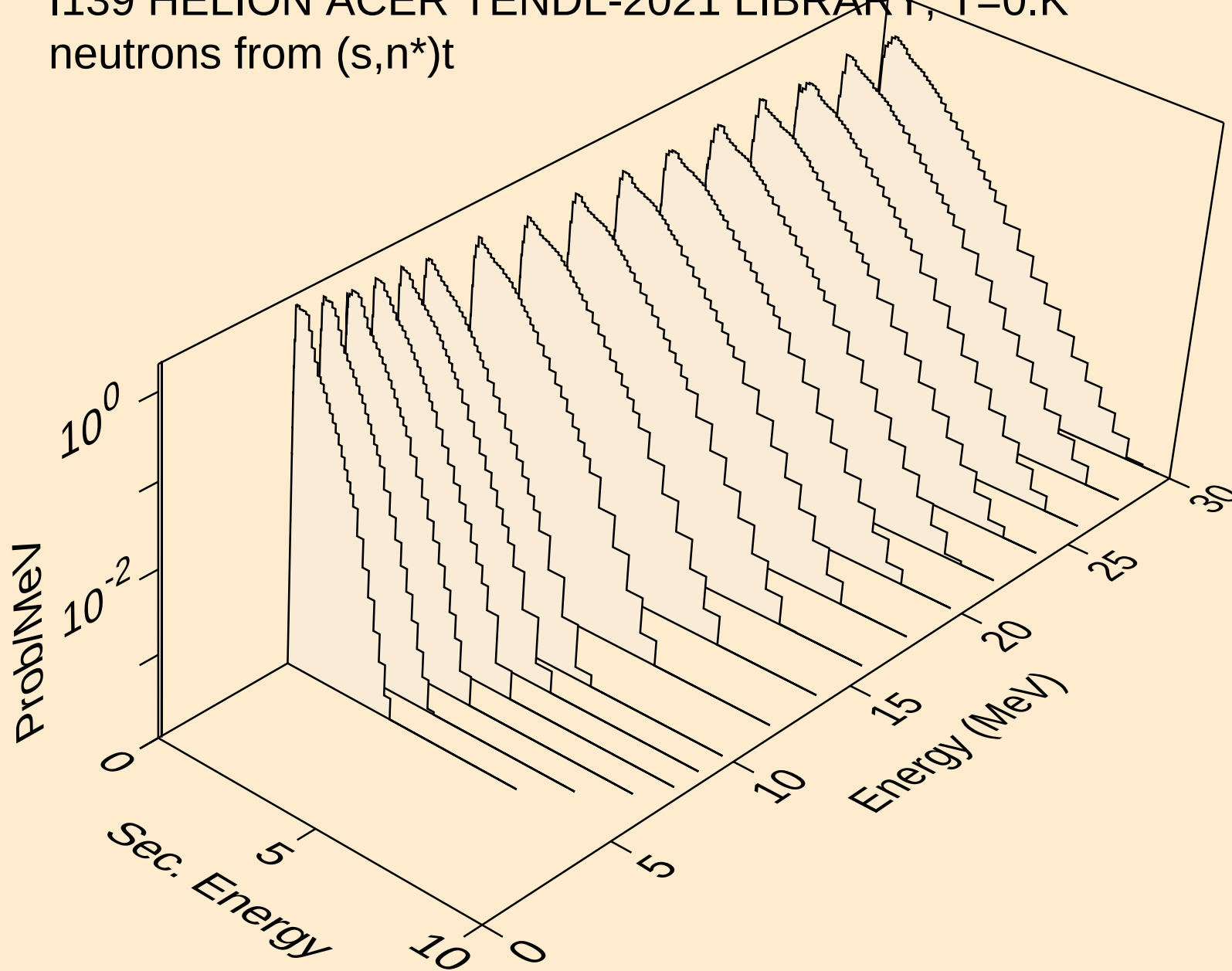
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2n)2a



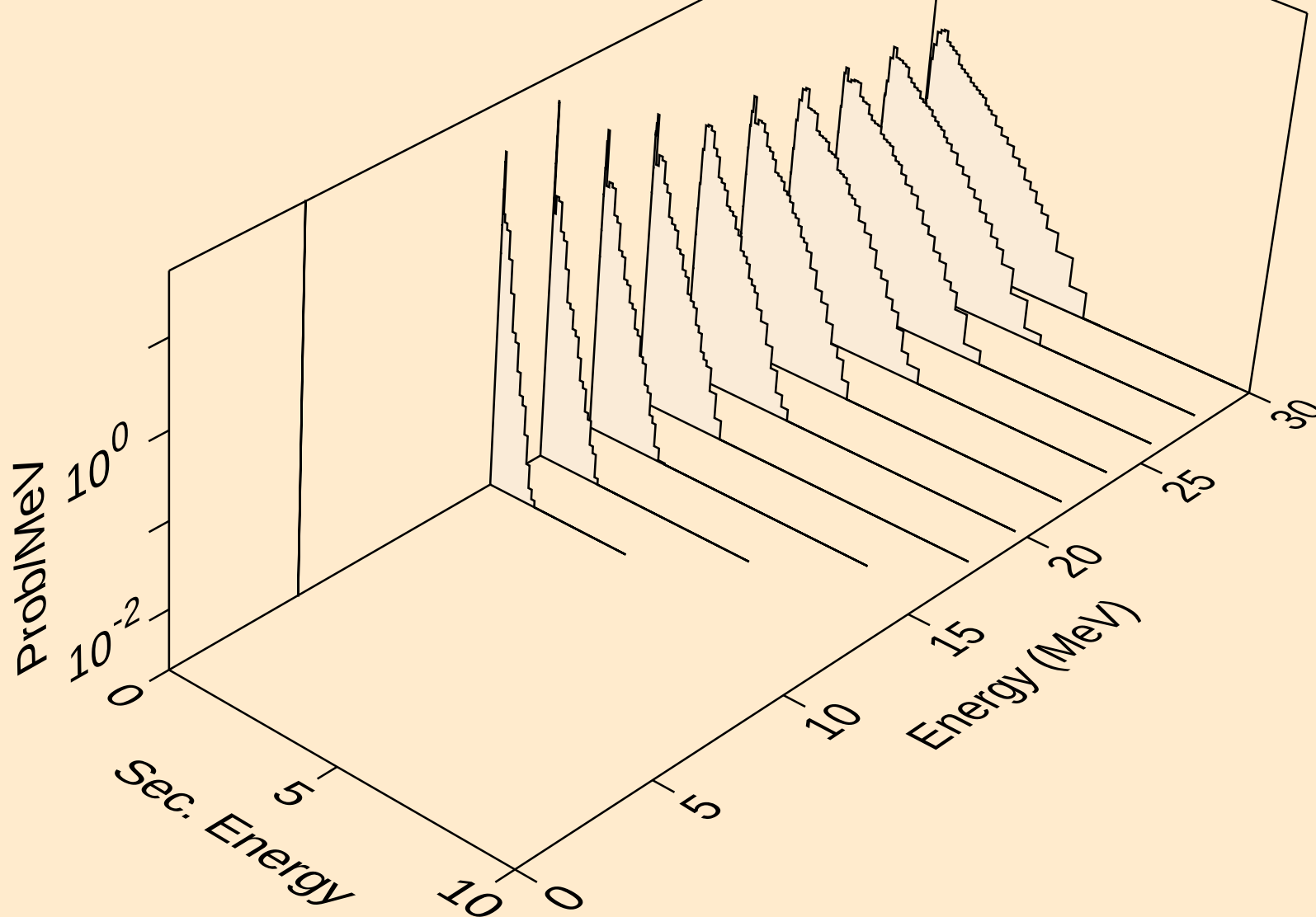
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)d



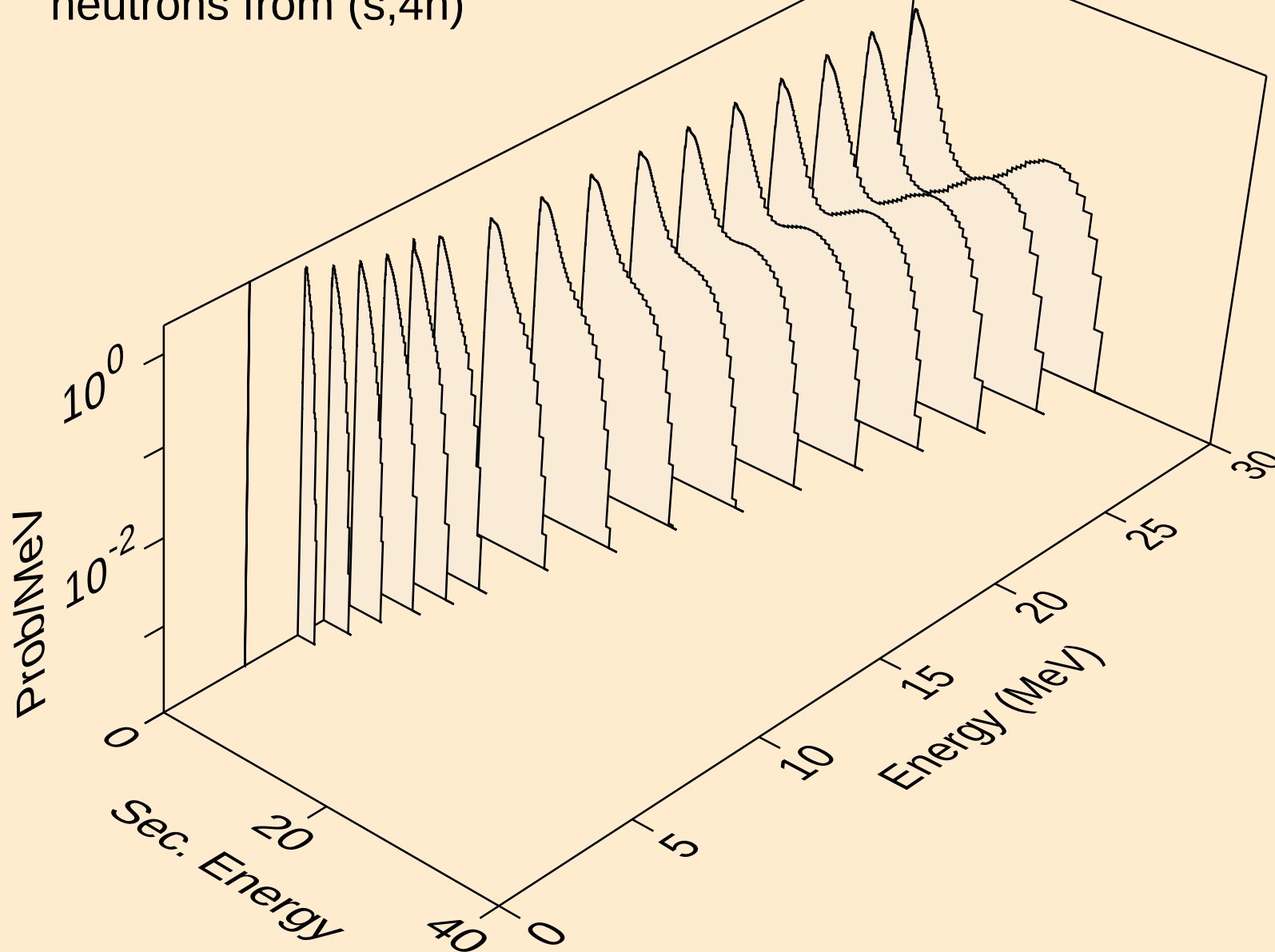
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)t



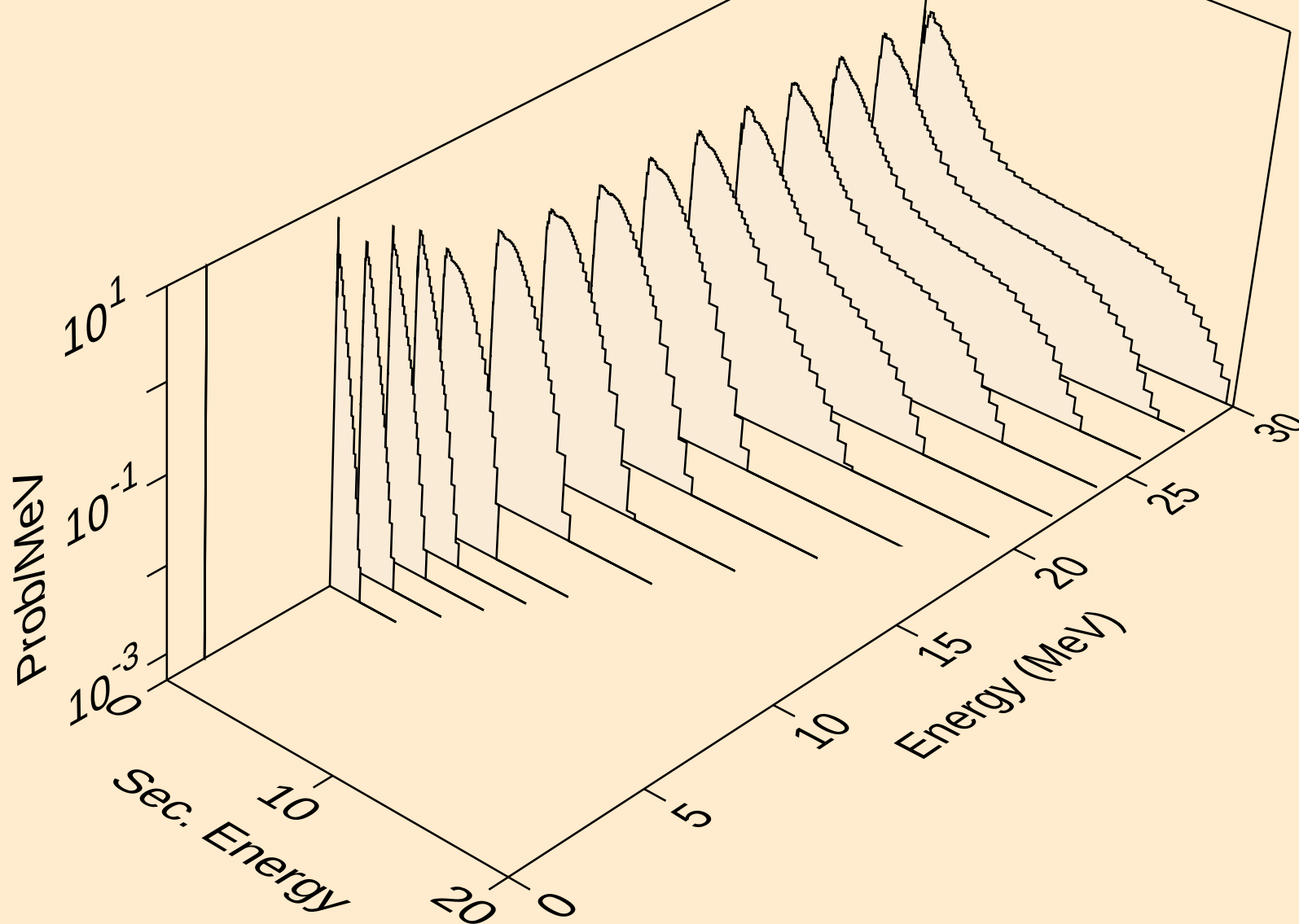
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,n*)he3



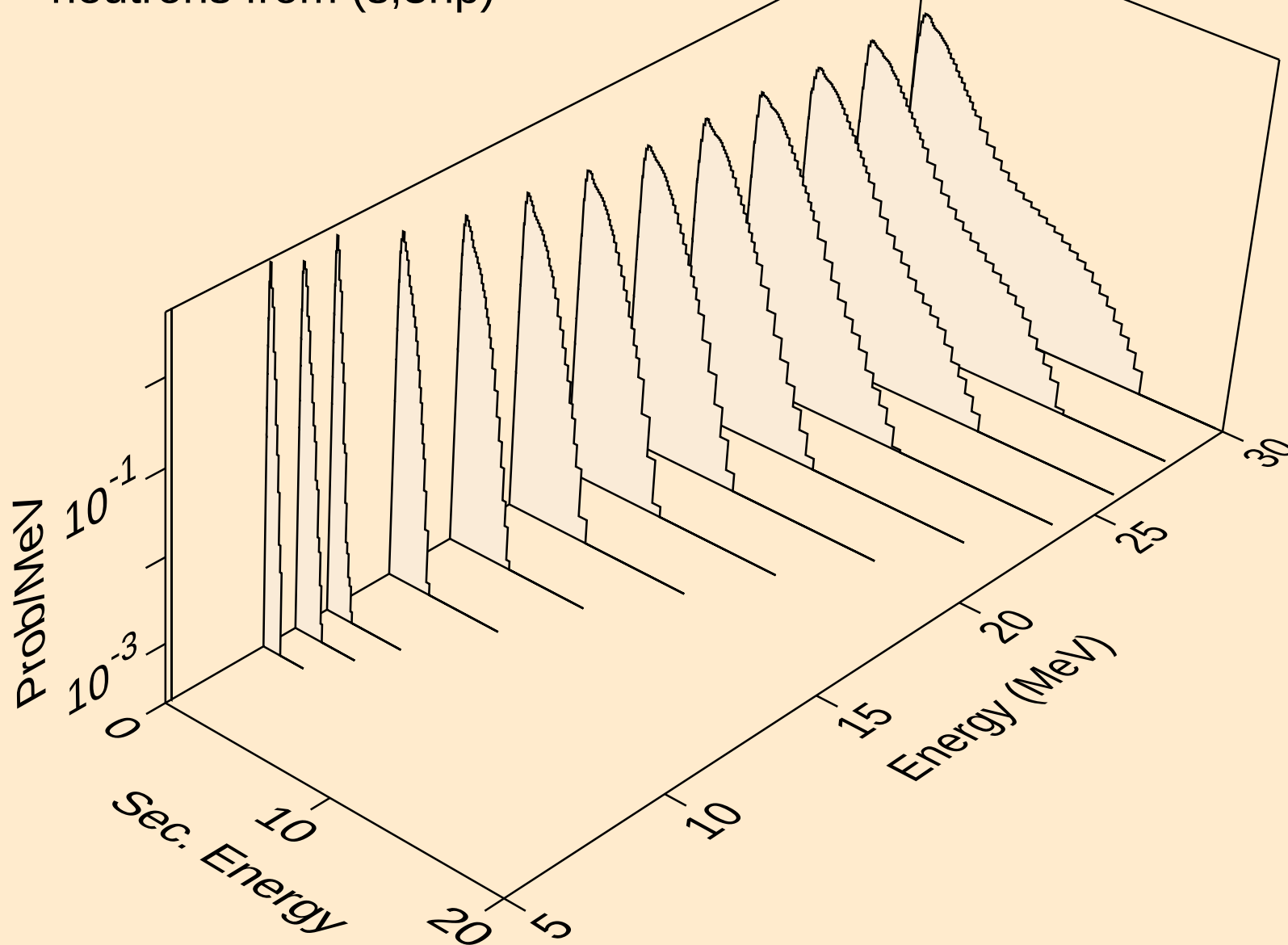
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,4n)



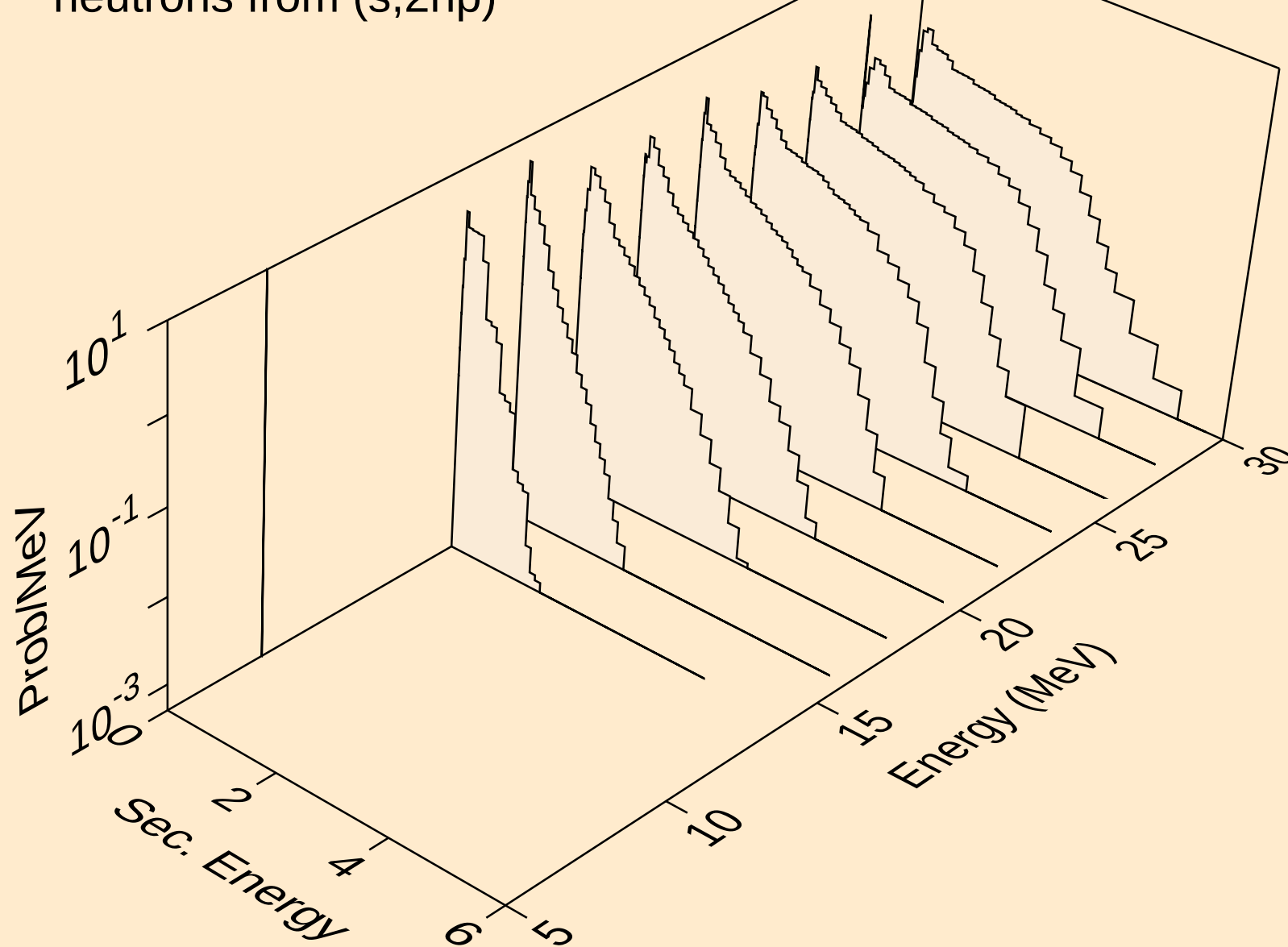
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neutrons from (s,2np)



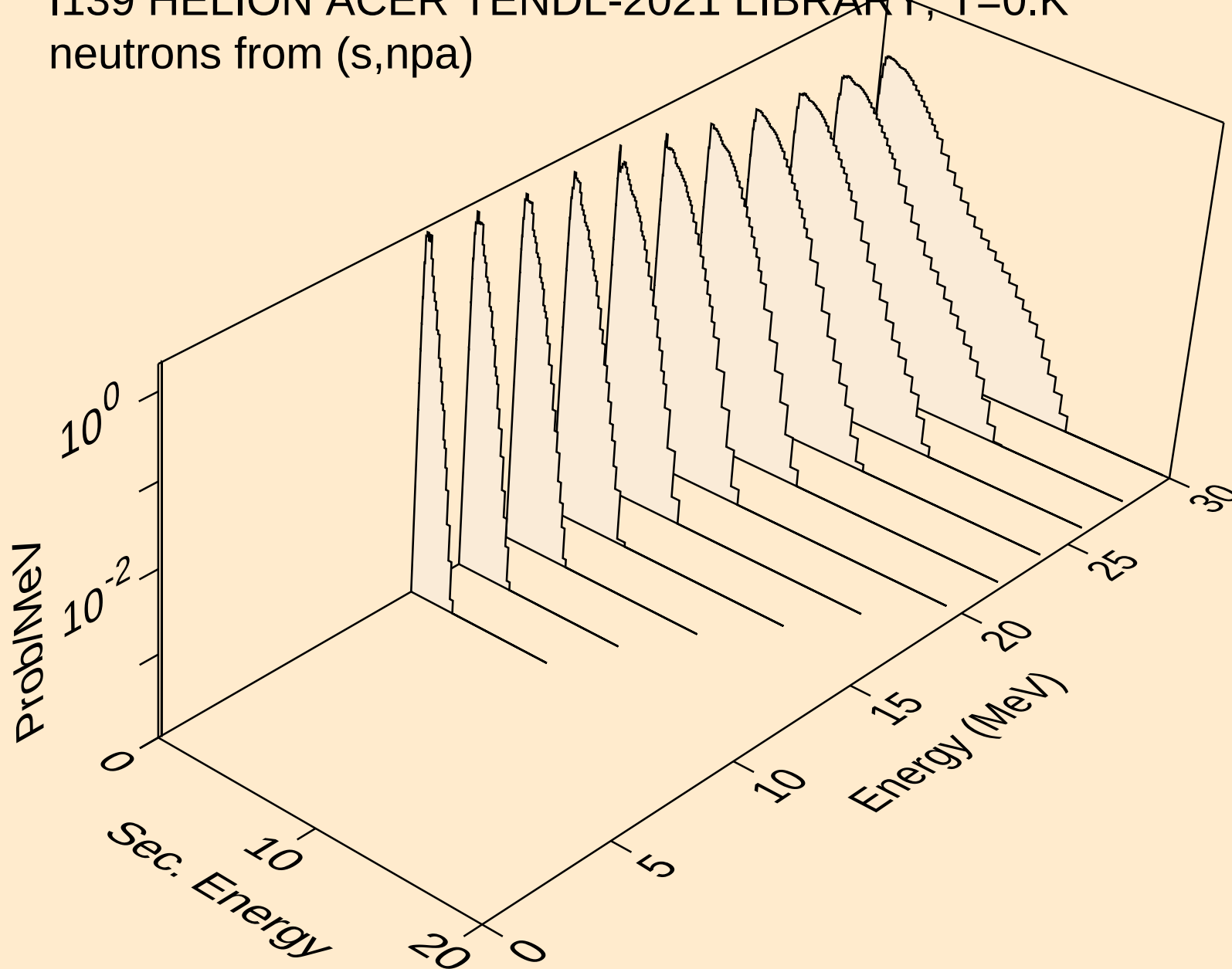
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,3np)



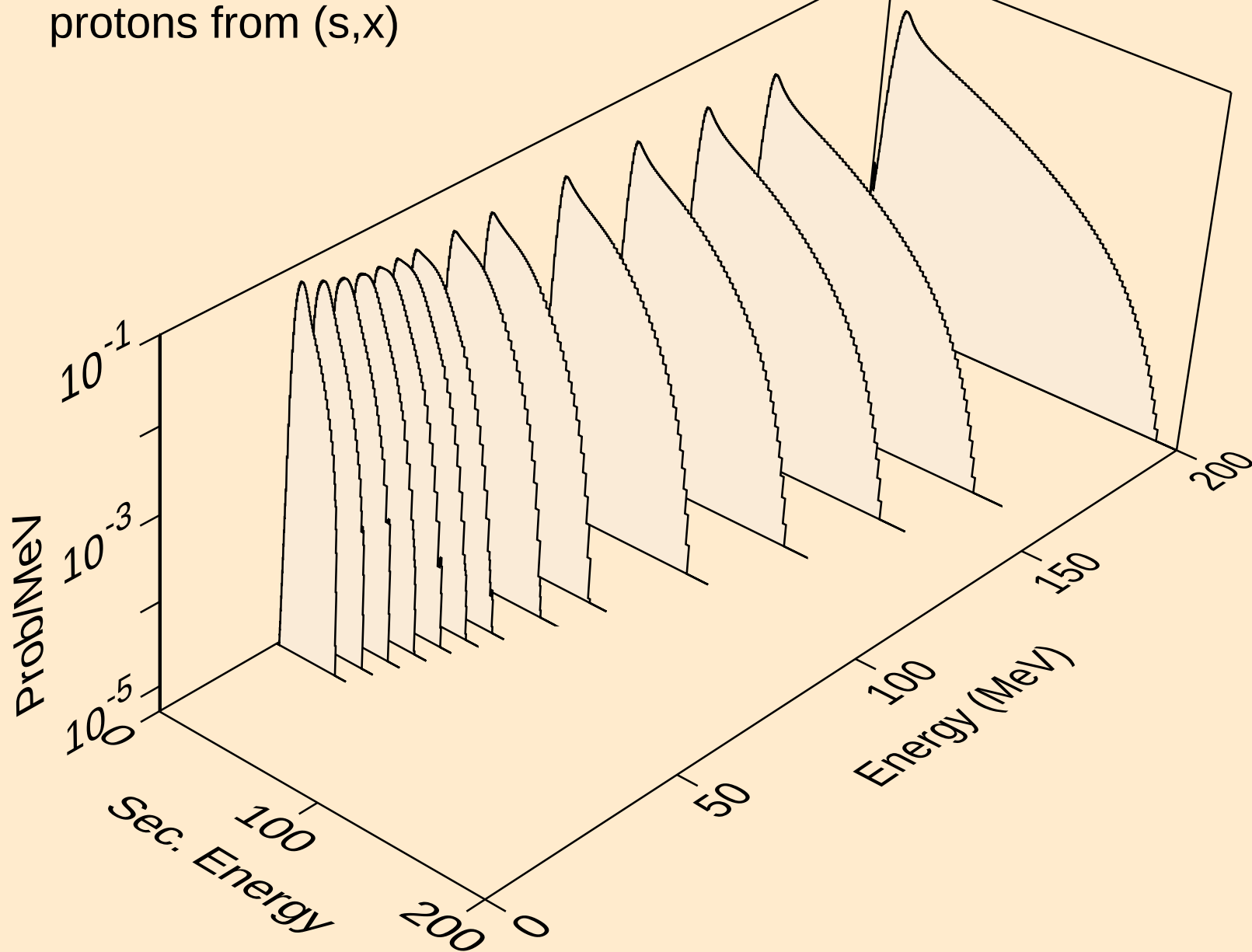
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (s,2np)



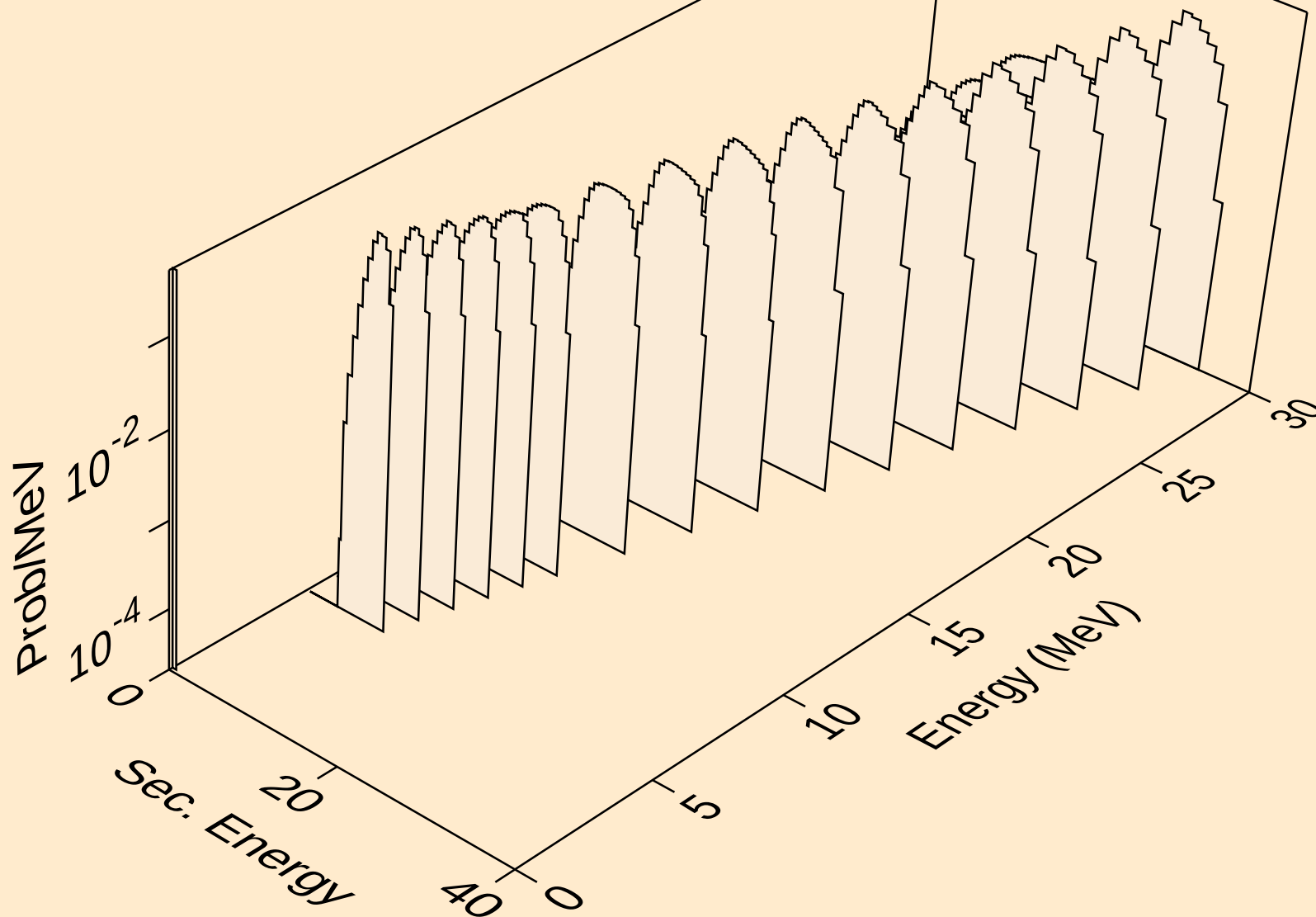
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neutrons from (s,npa)



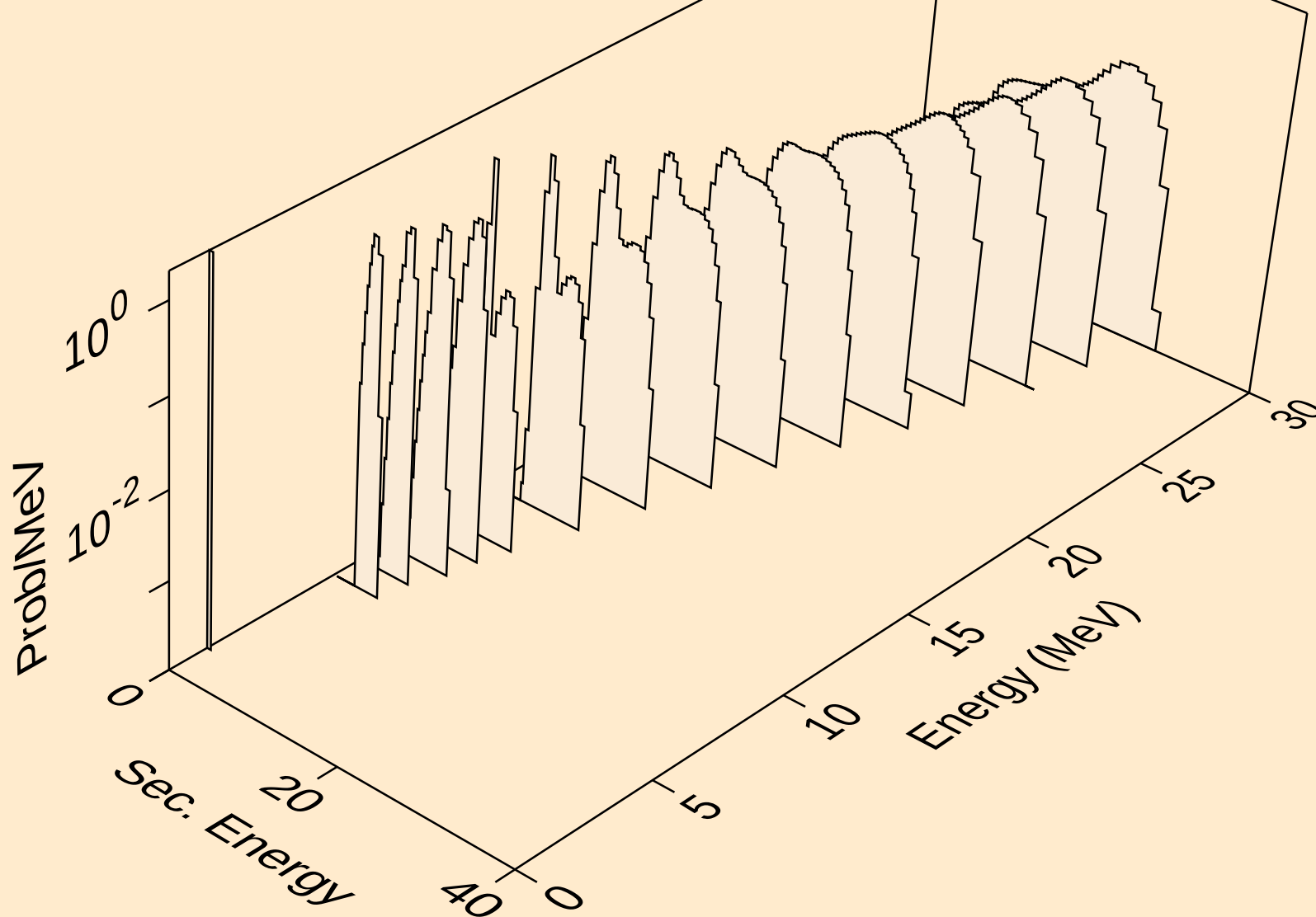
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
protons from (s,x)



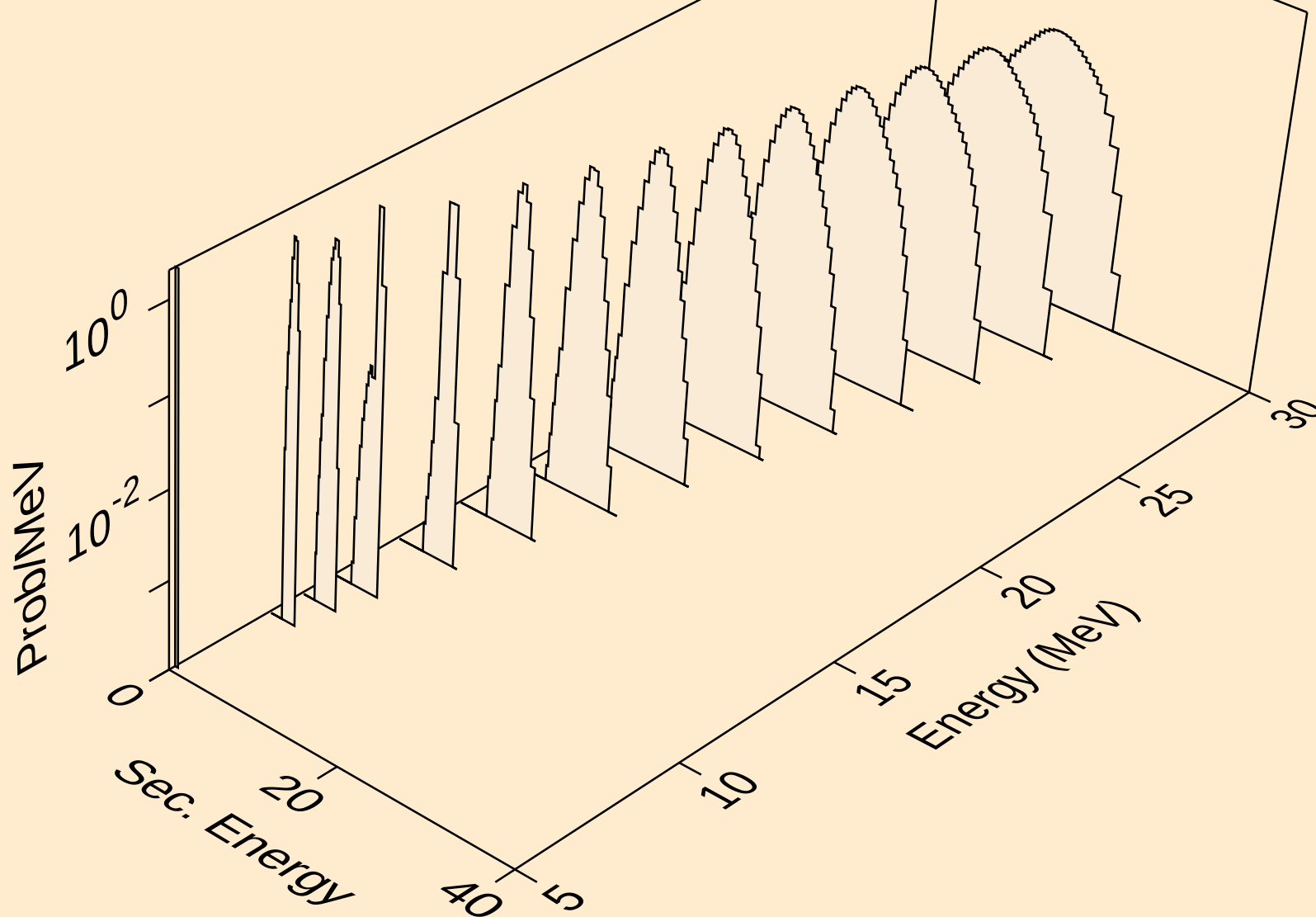
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
protons from (s,n*)p



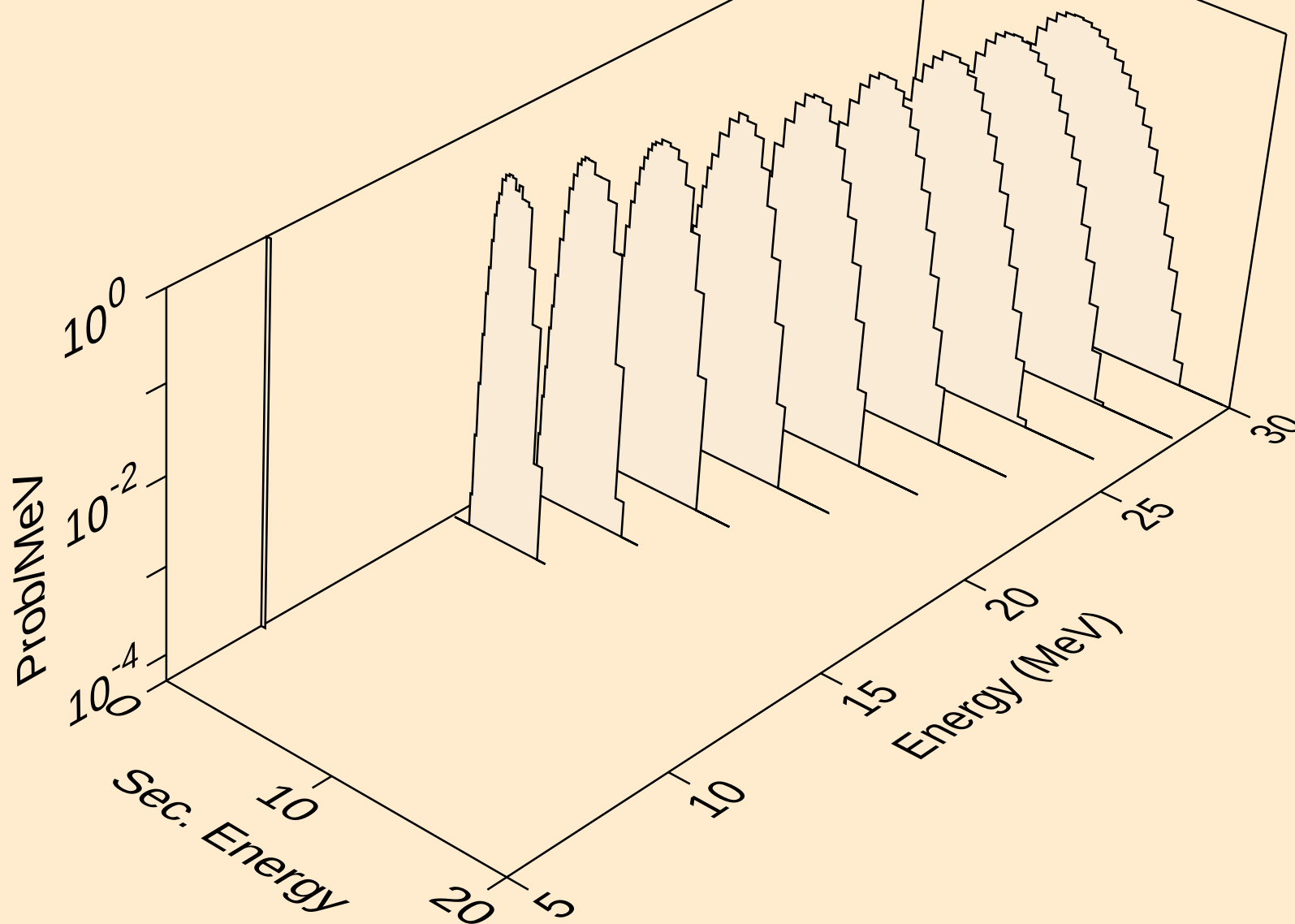
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protons from (s,2np)



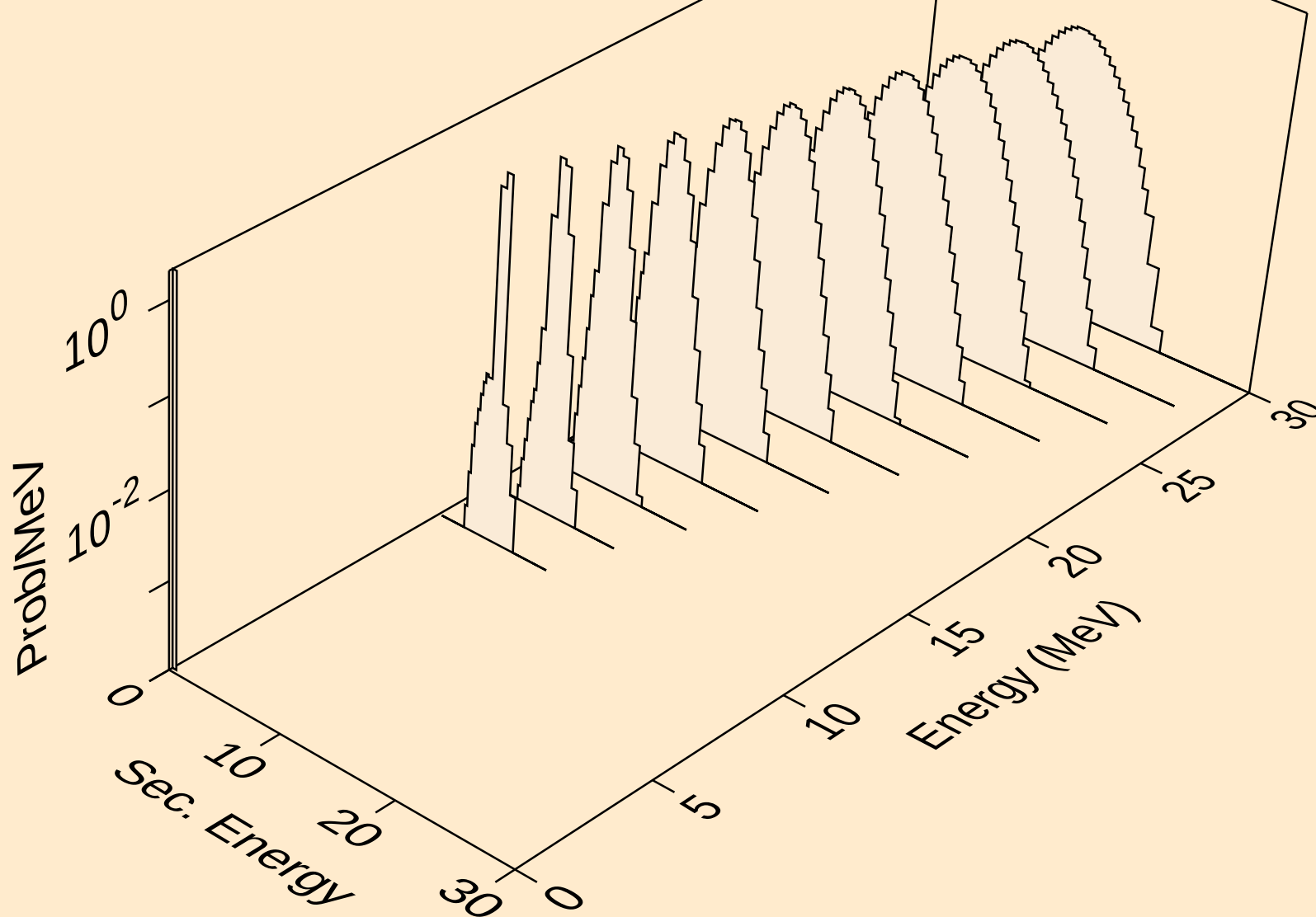
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protons from (s,3np)



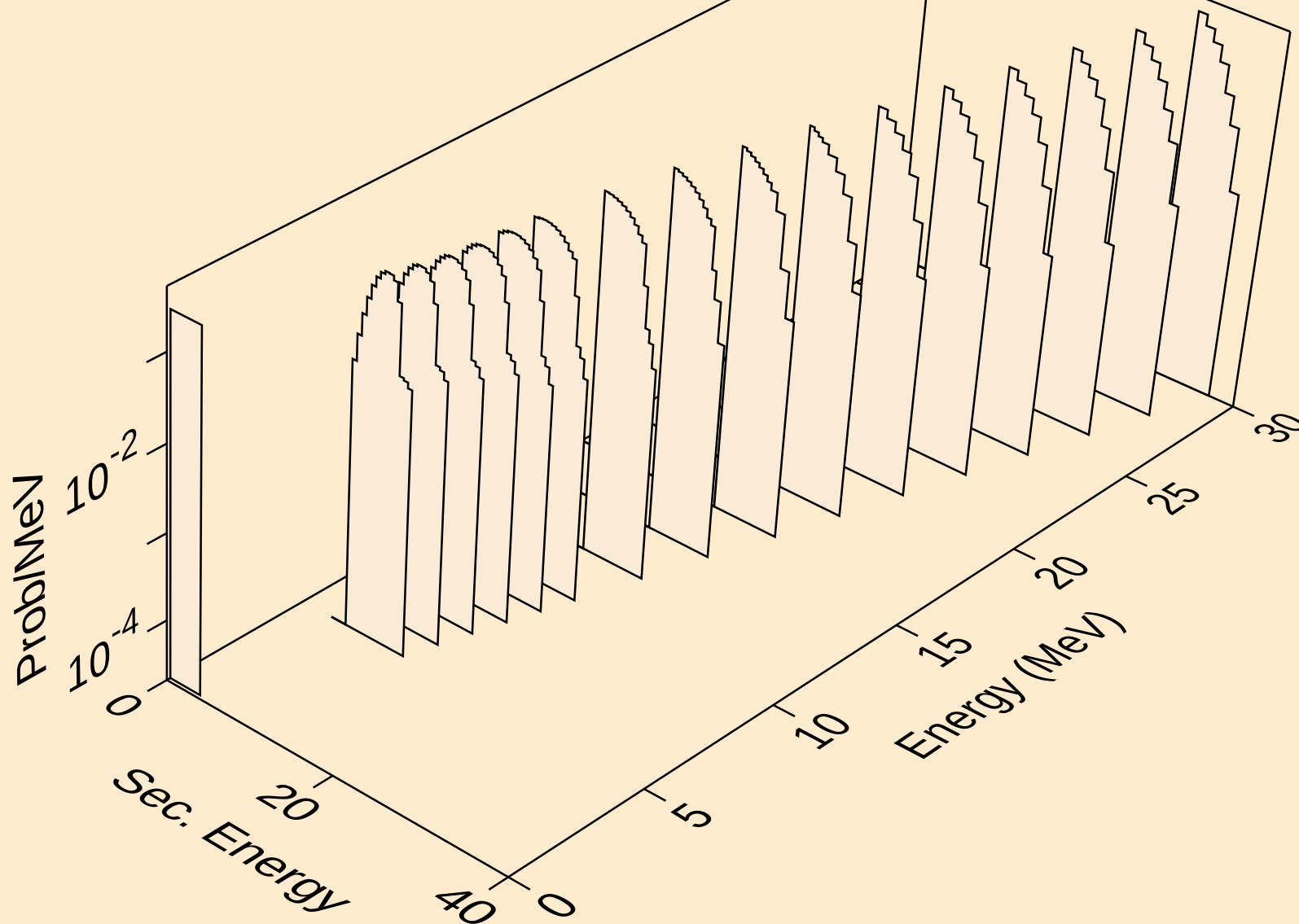
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protons from (s,2np)



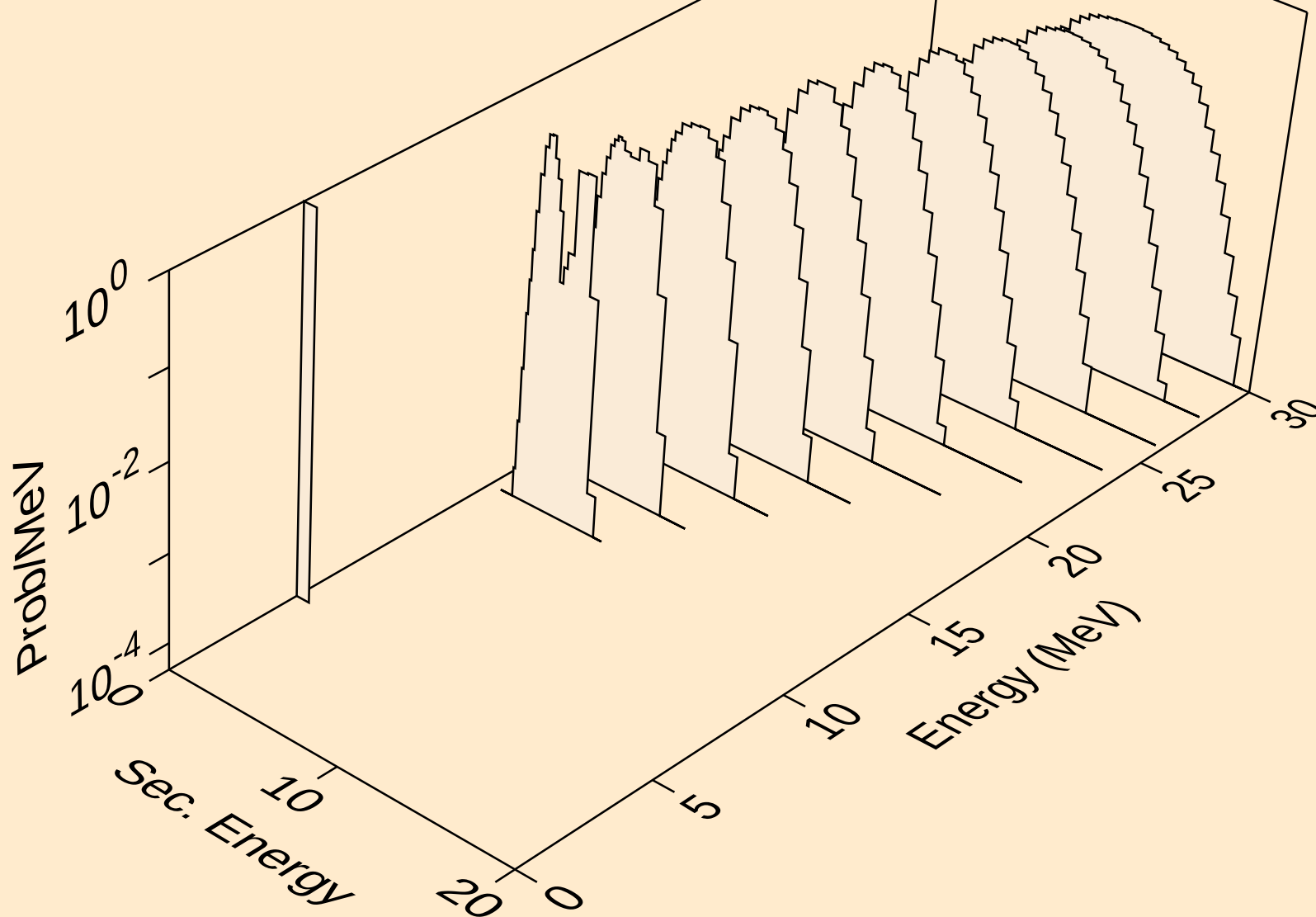
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
protons from (s,npa)



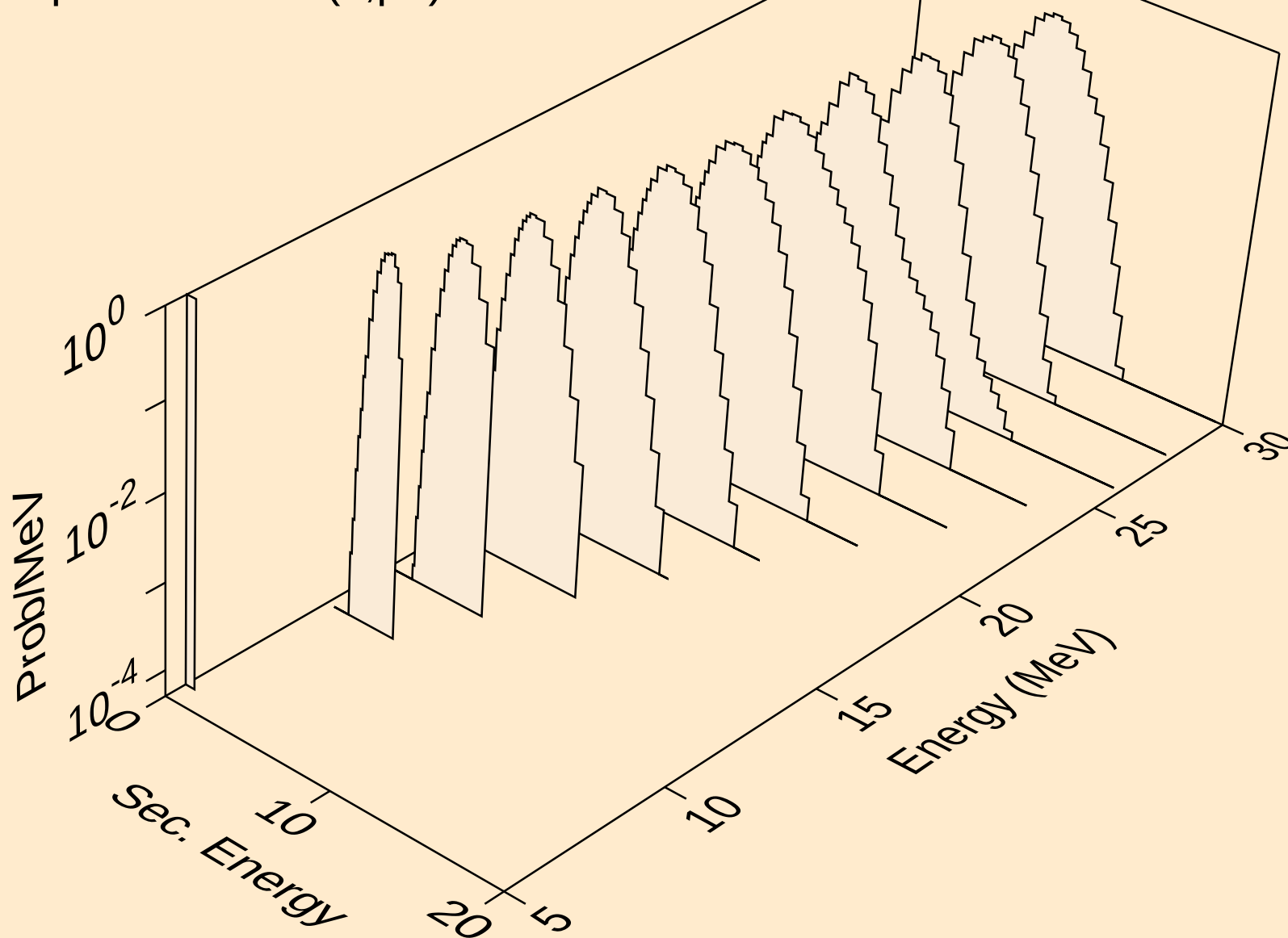
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protons from (s,p)



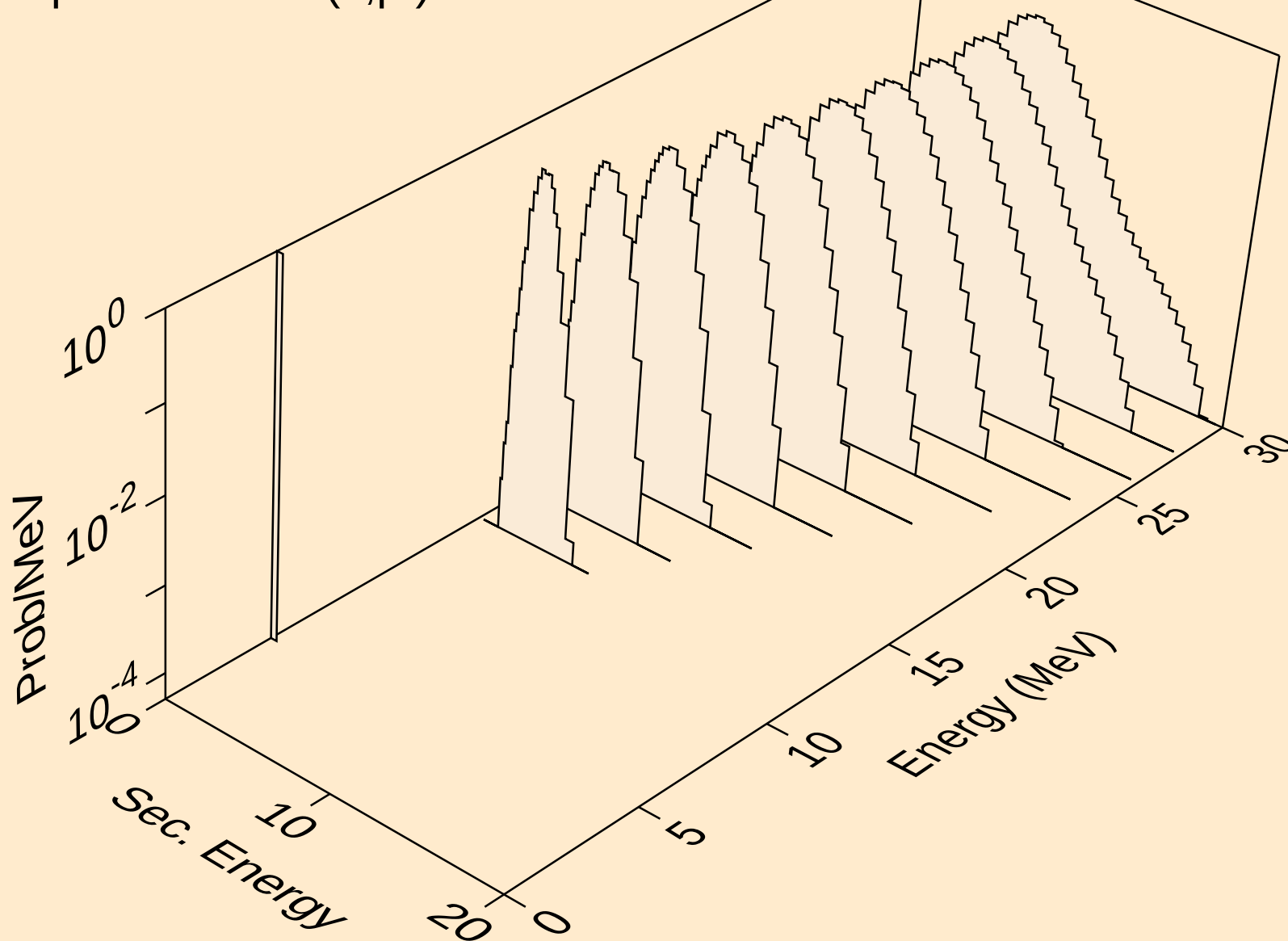
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protons from (s,2p)



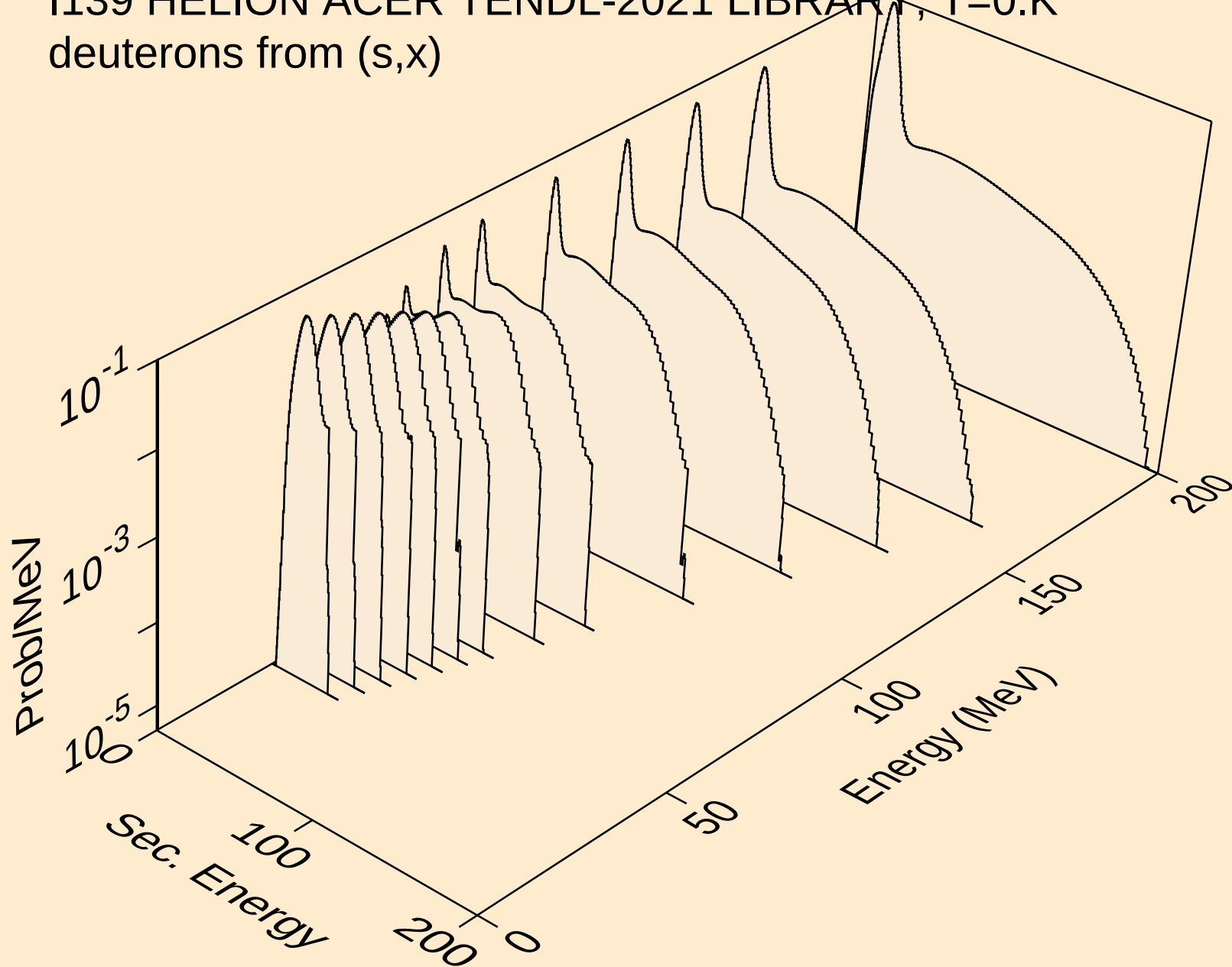
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protons from (s,pd)



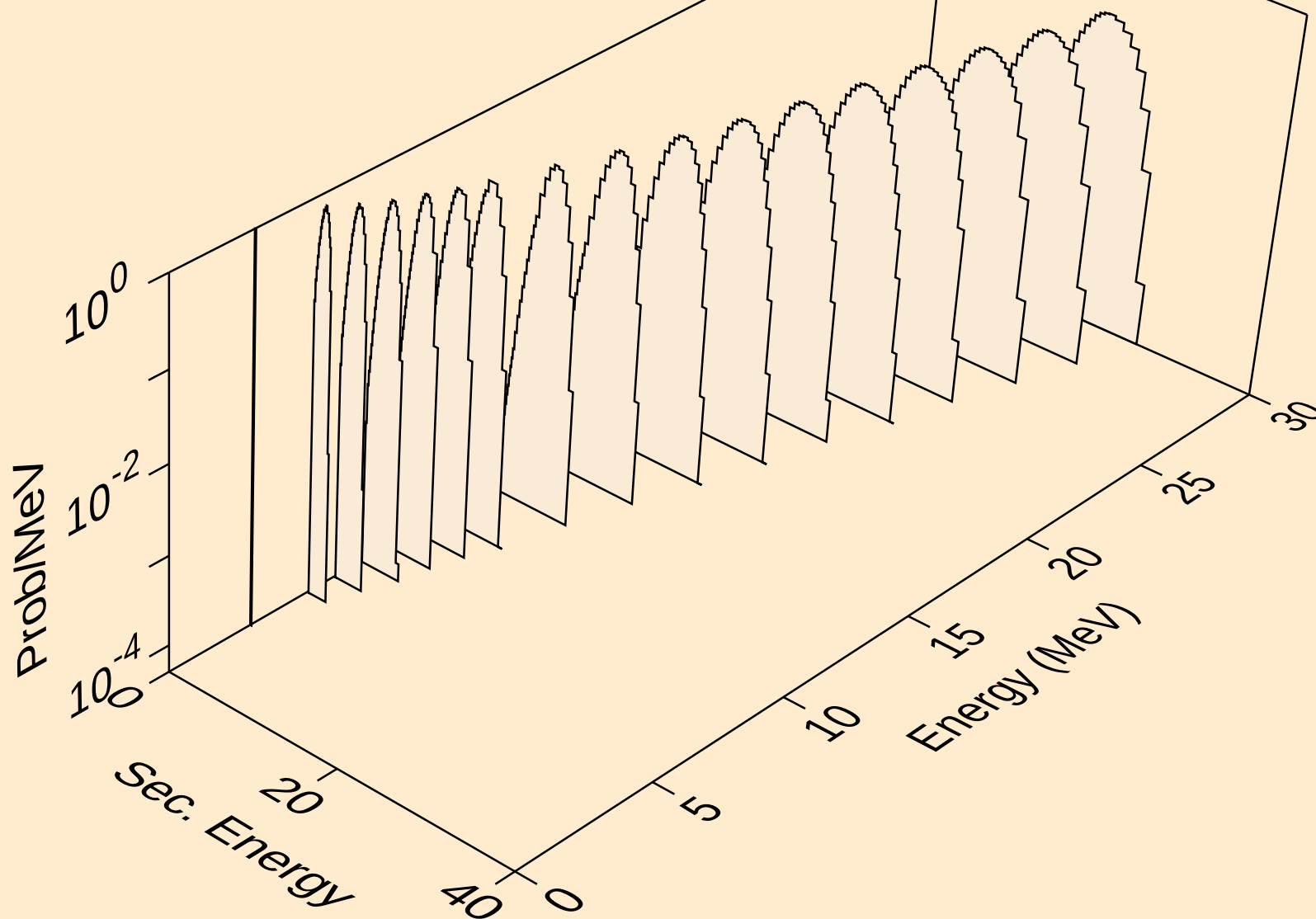
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protons from (s,pt)



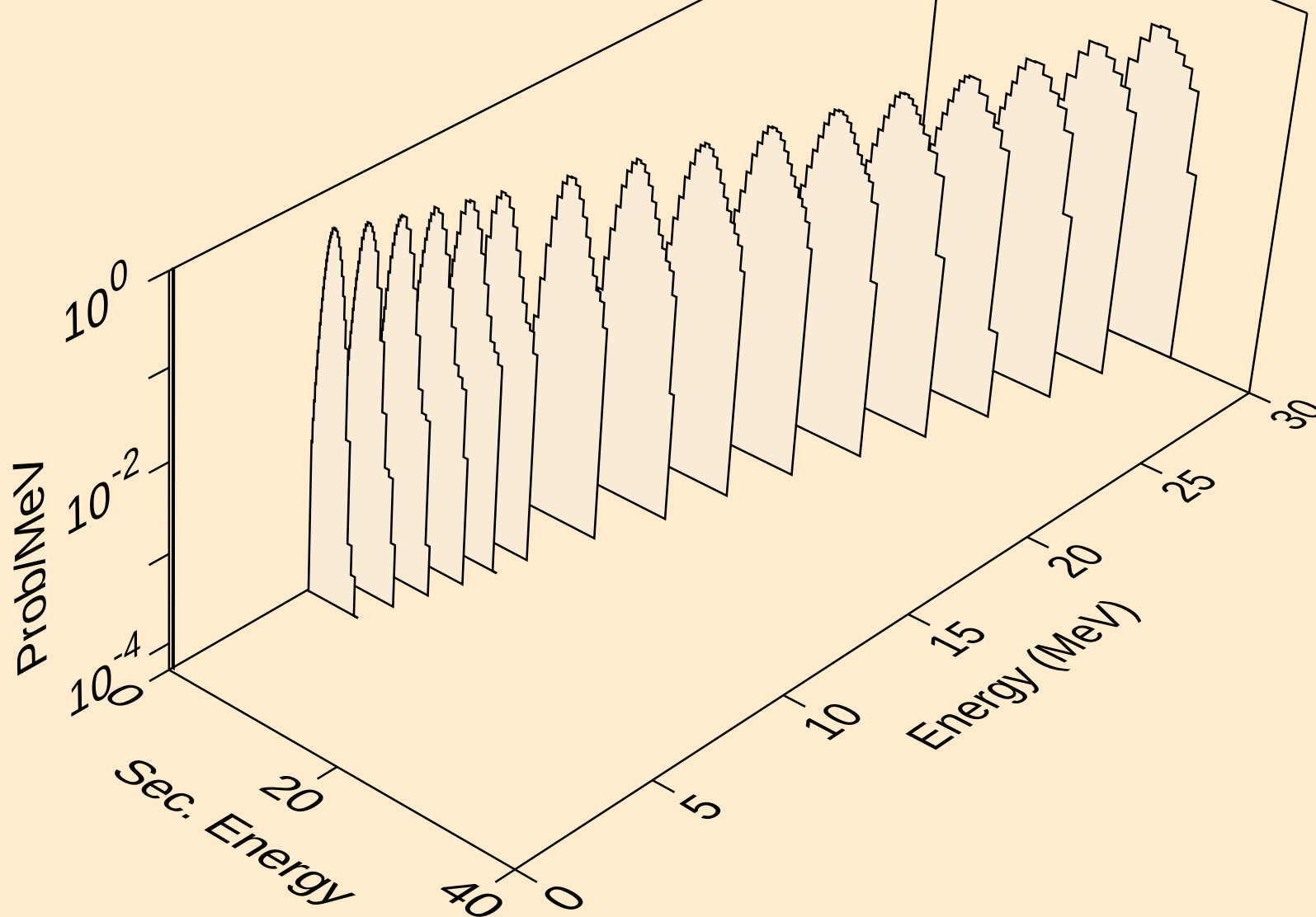
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deuterons from (s,x)



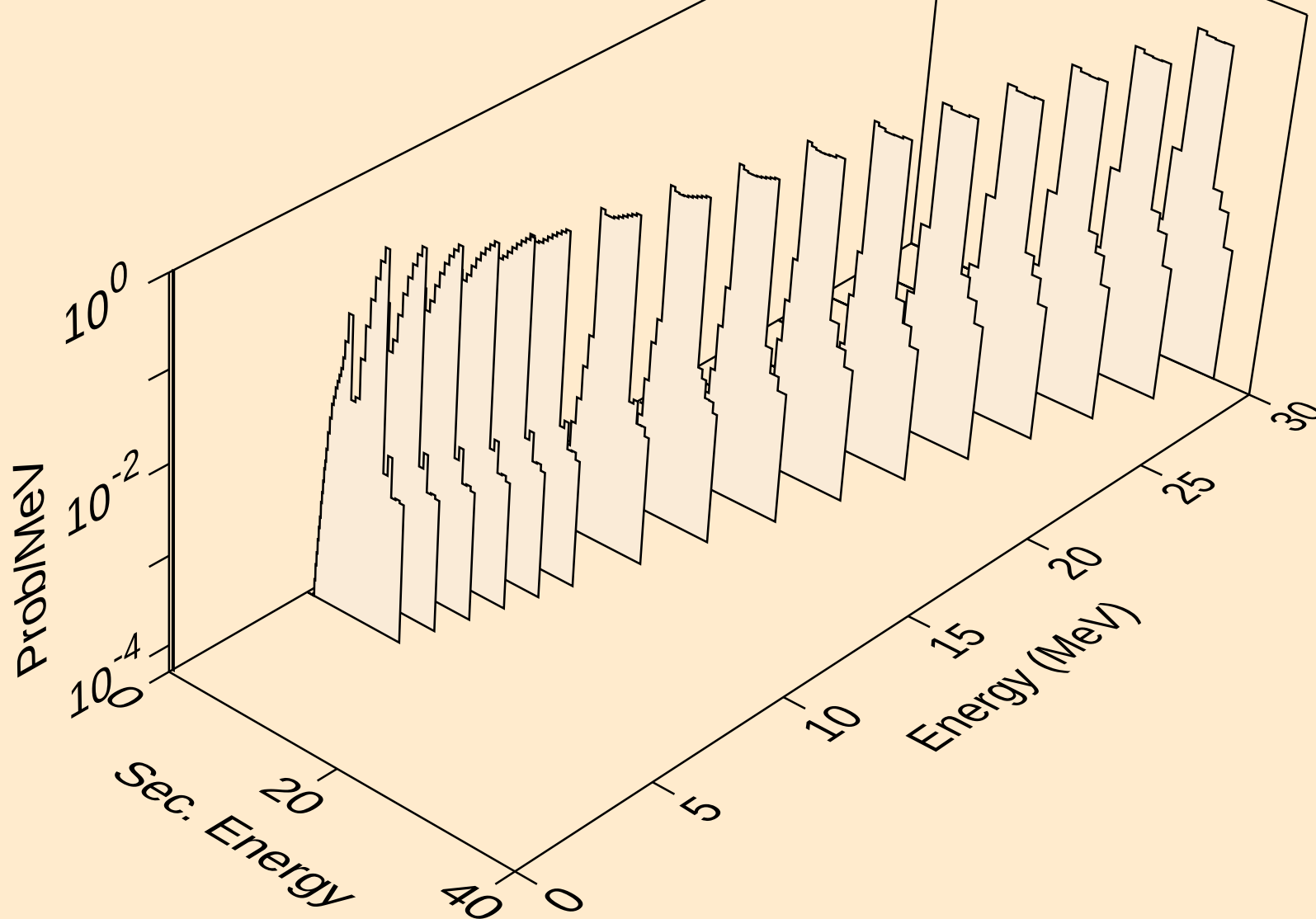
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deuterons from (s,2nd)



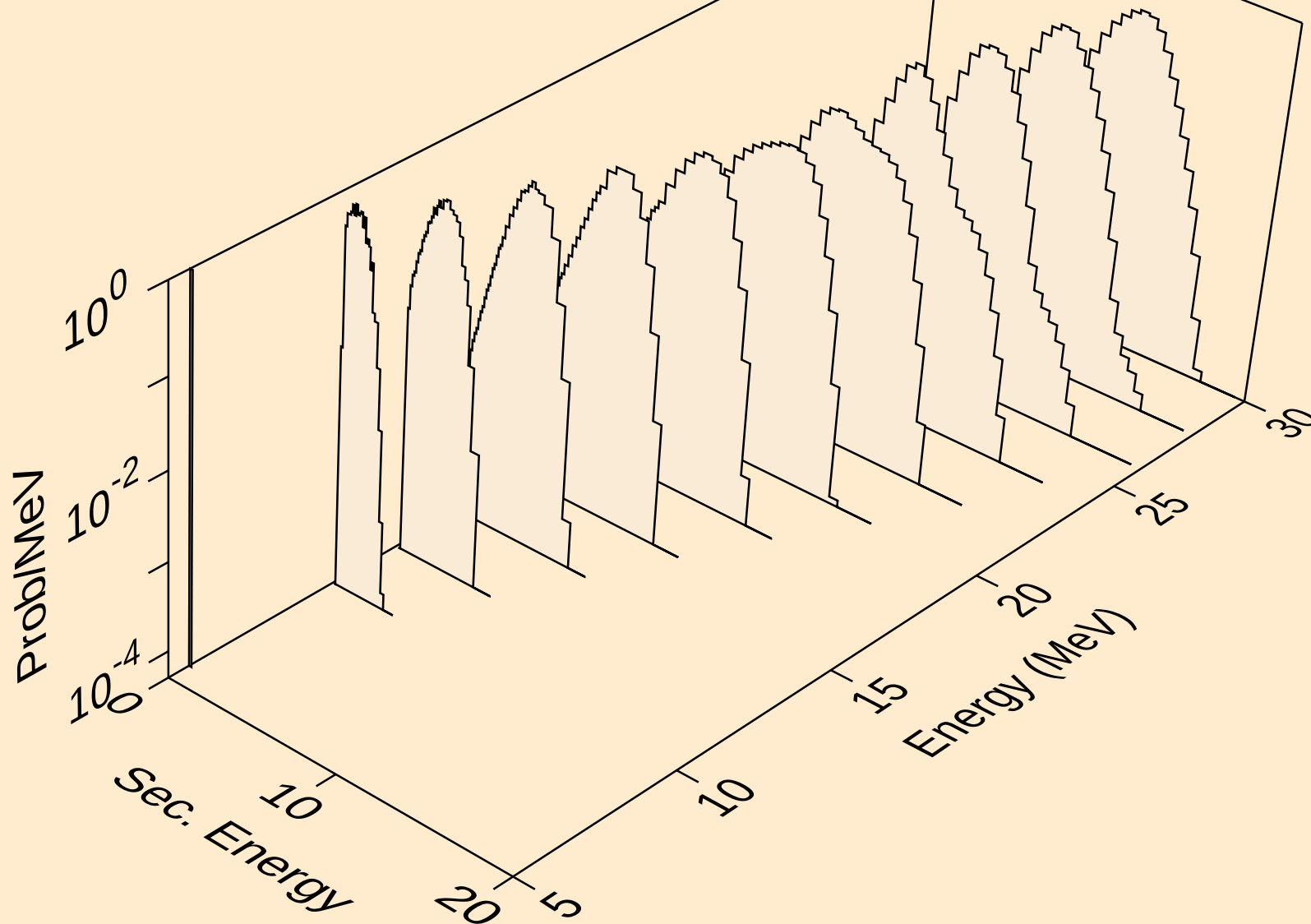
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deuterons from (s,n*)d



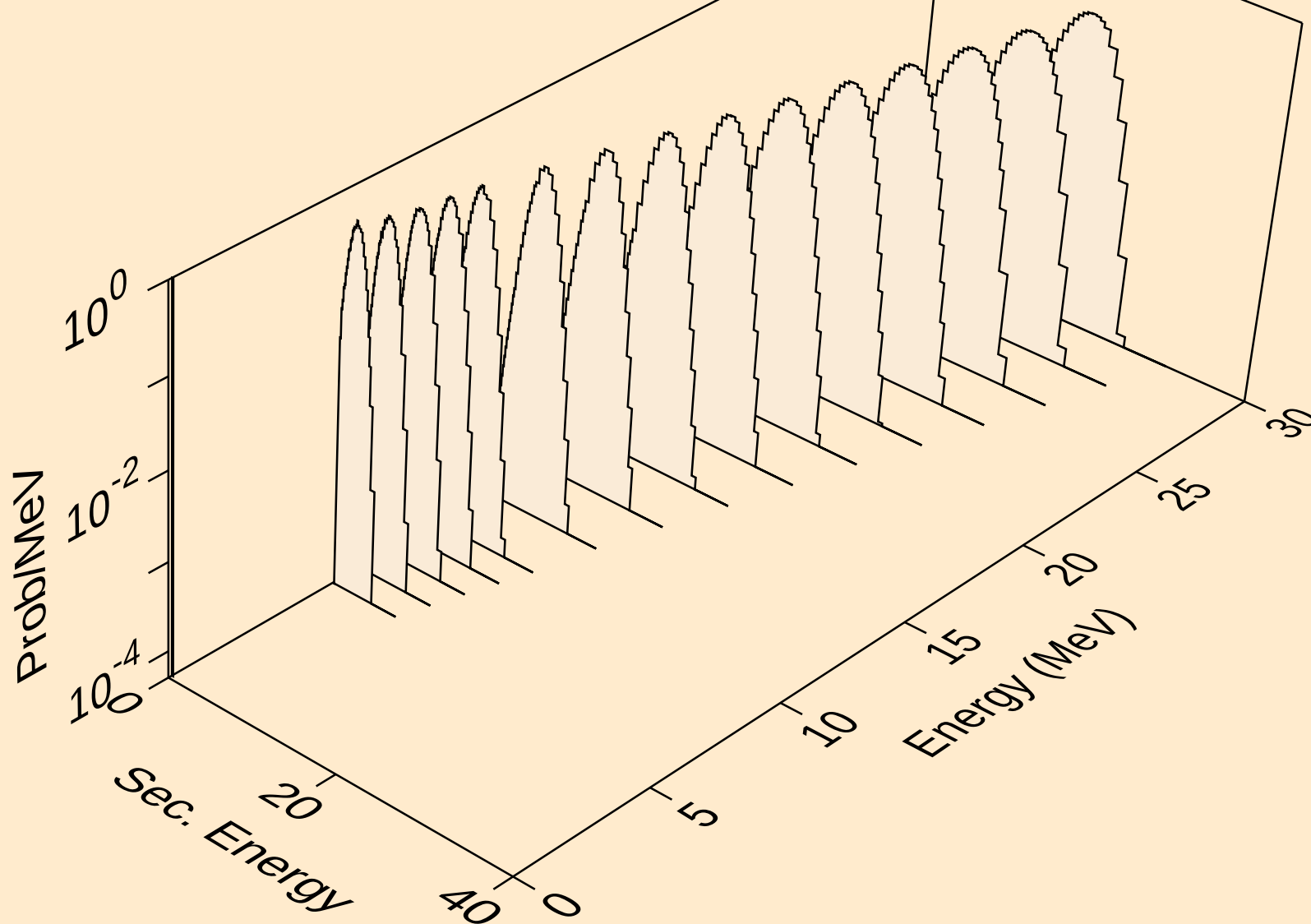
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deuterons from (s,d)



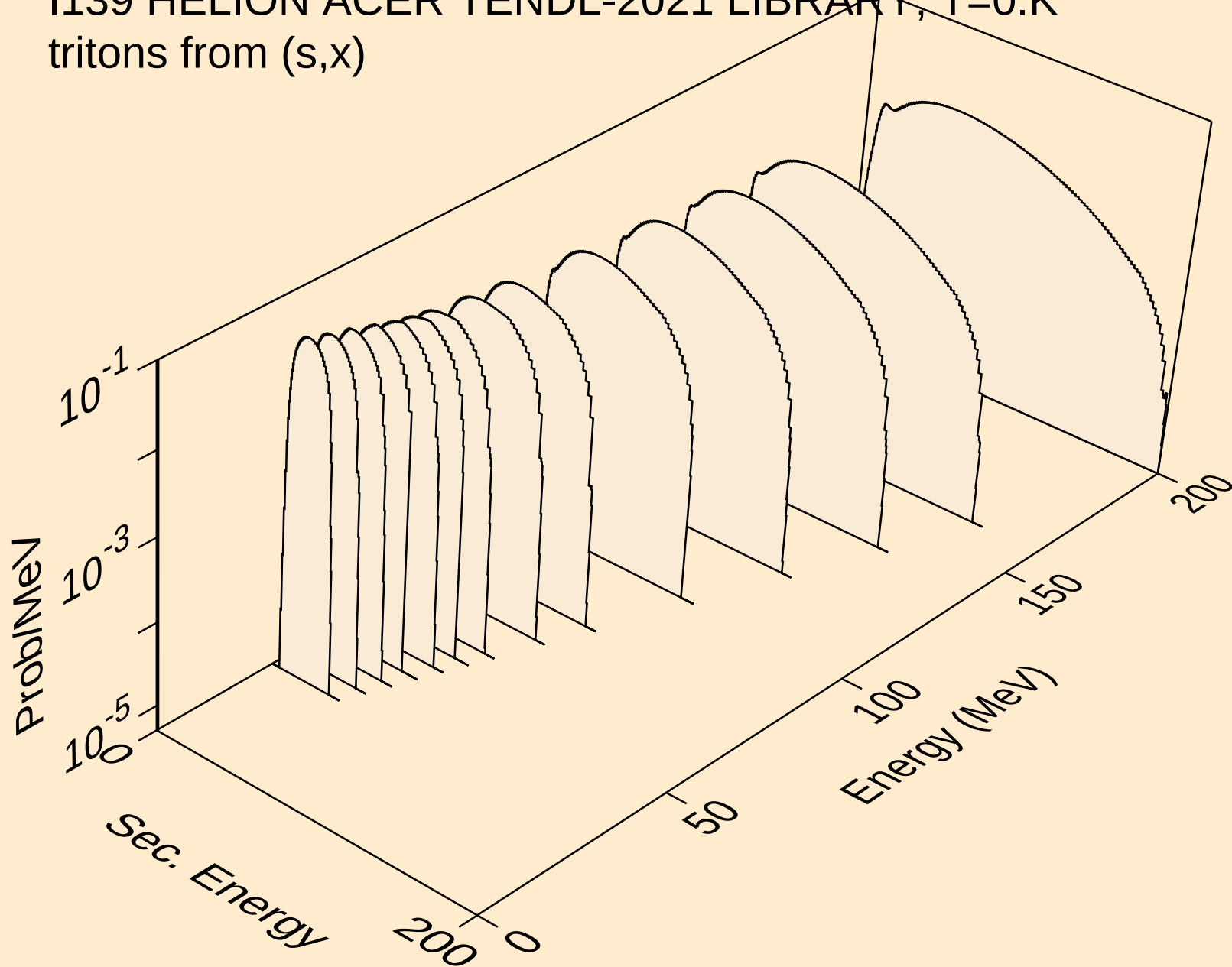
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (s,pd)



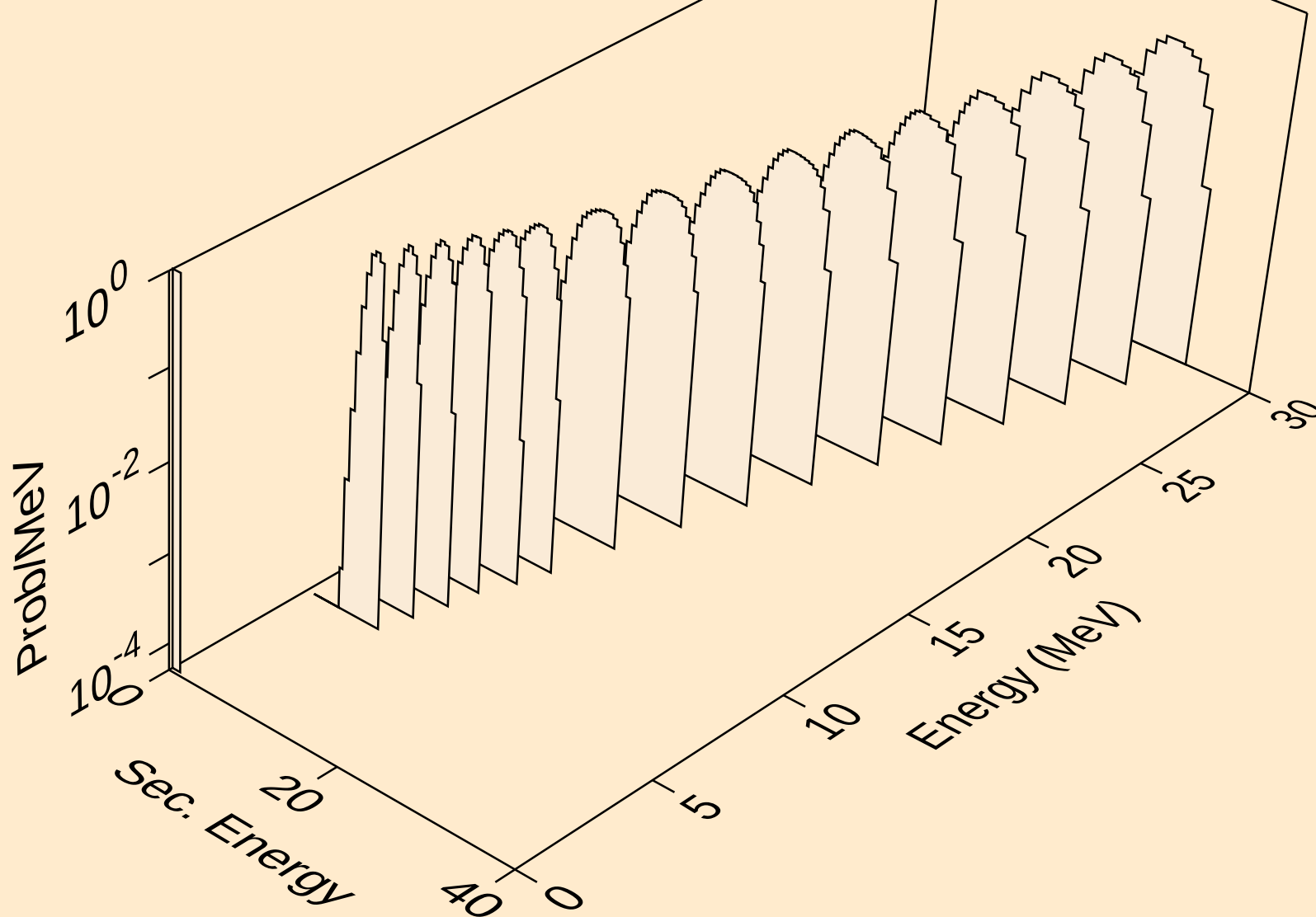
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deuterons from (s,da)



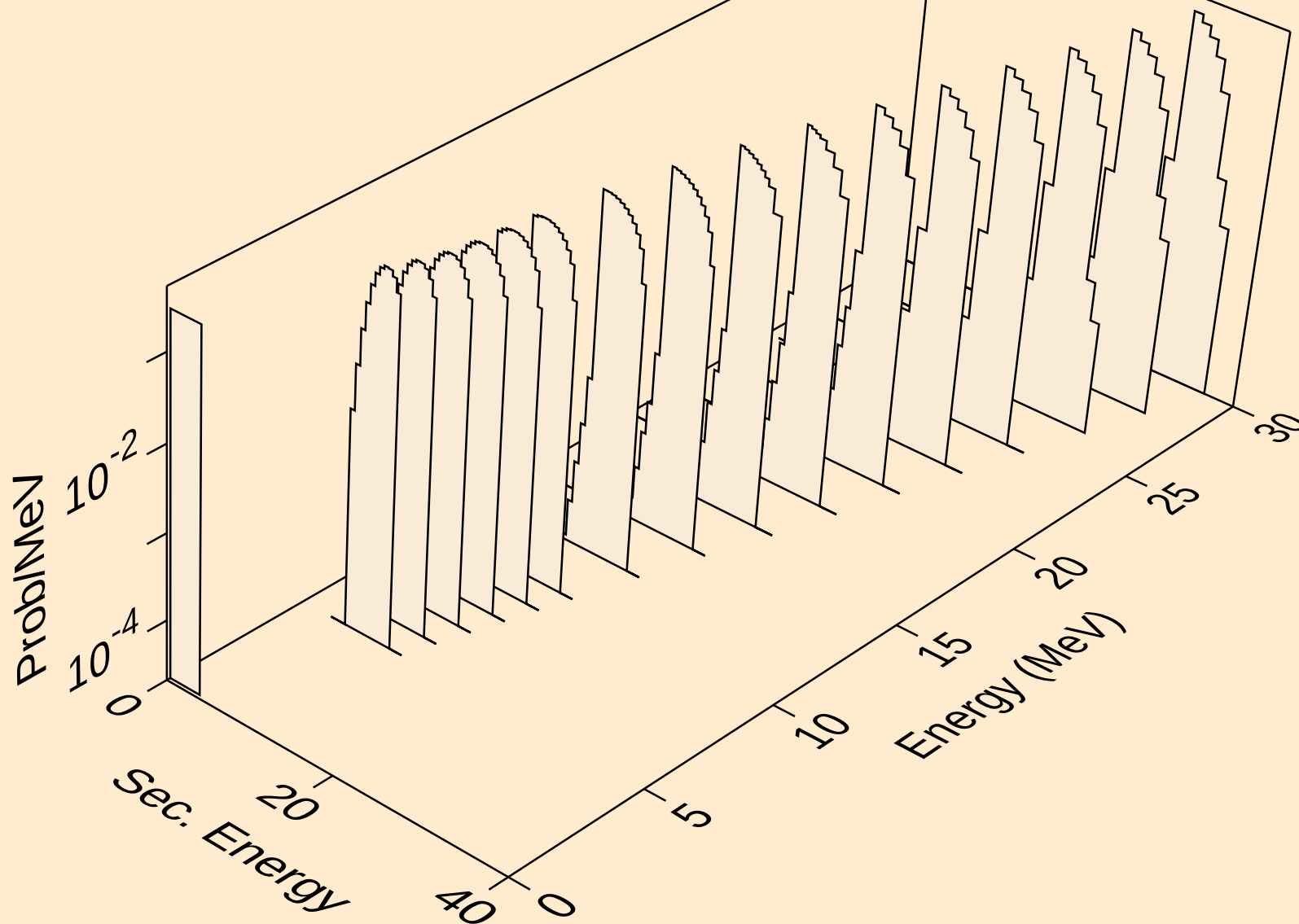
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tritons from (s,x)



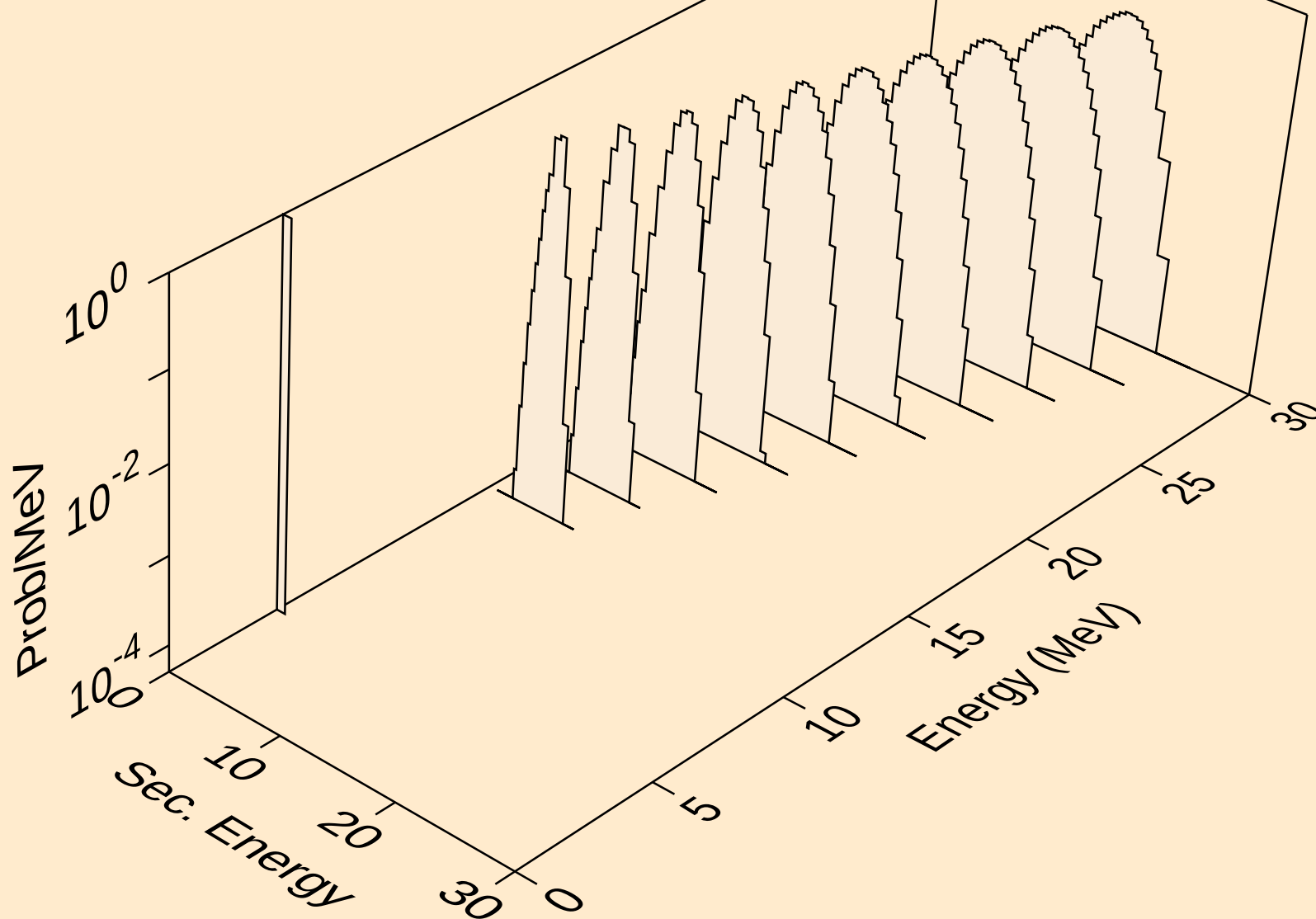
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tritons from (s,n*)t



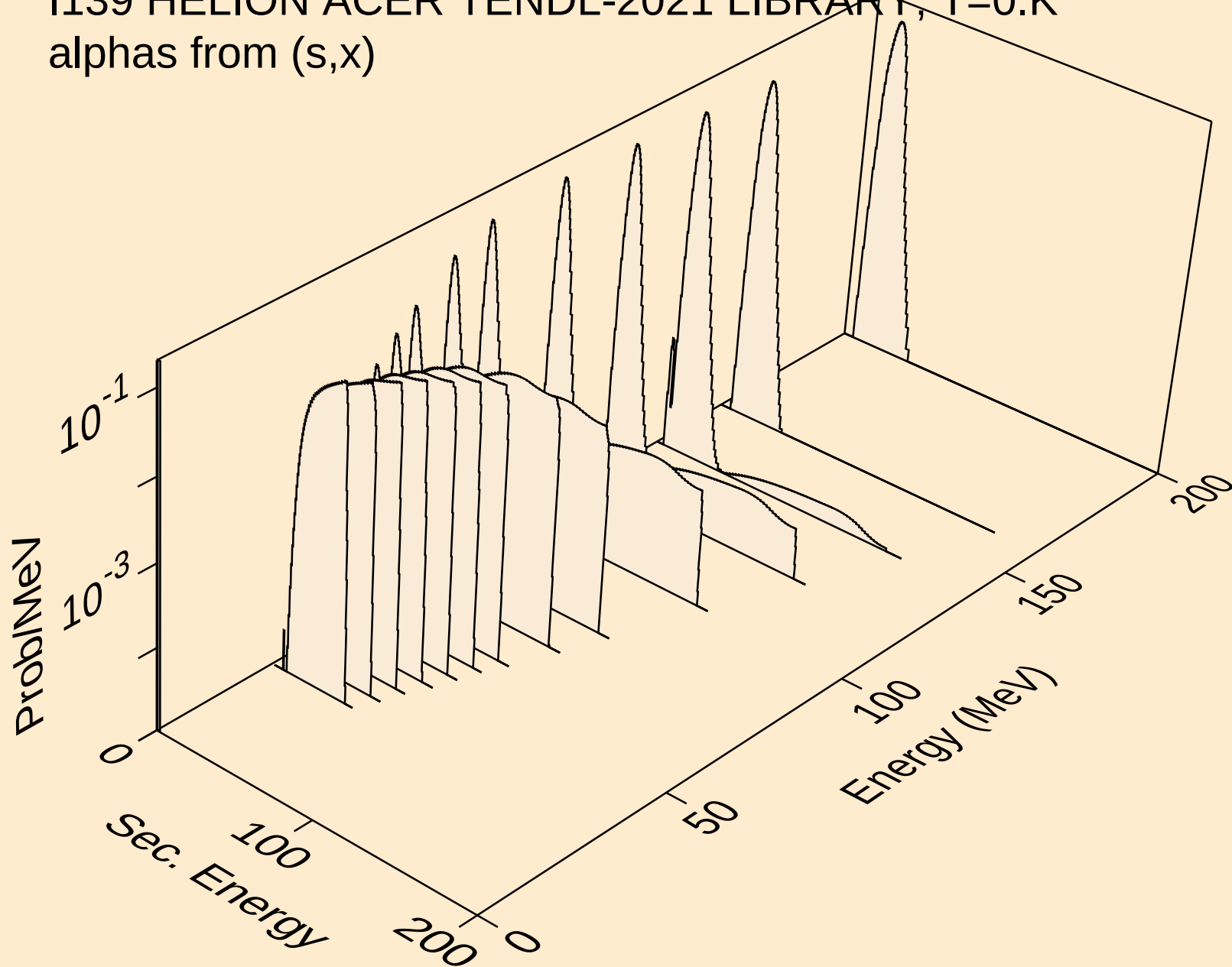
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tritons from (s,t)



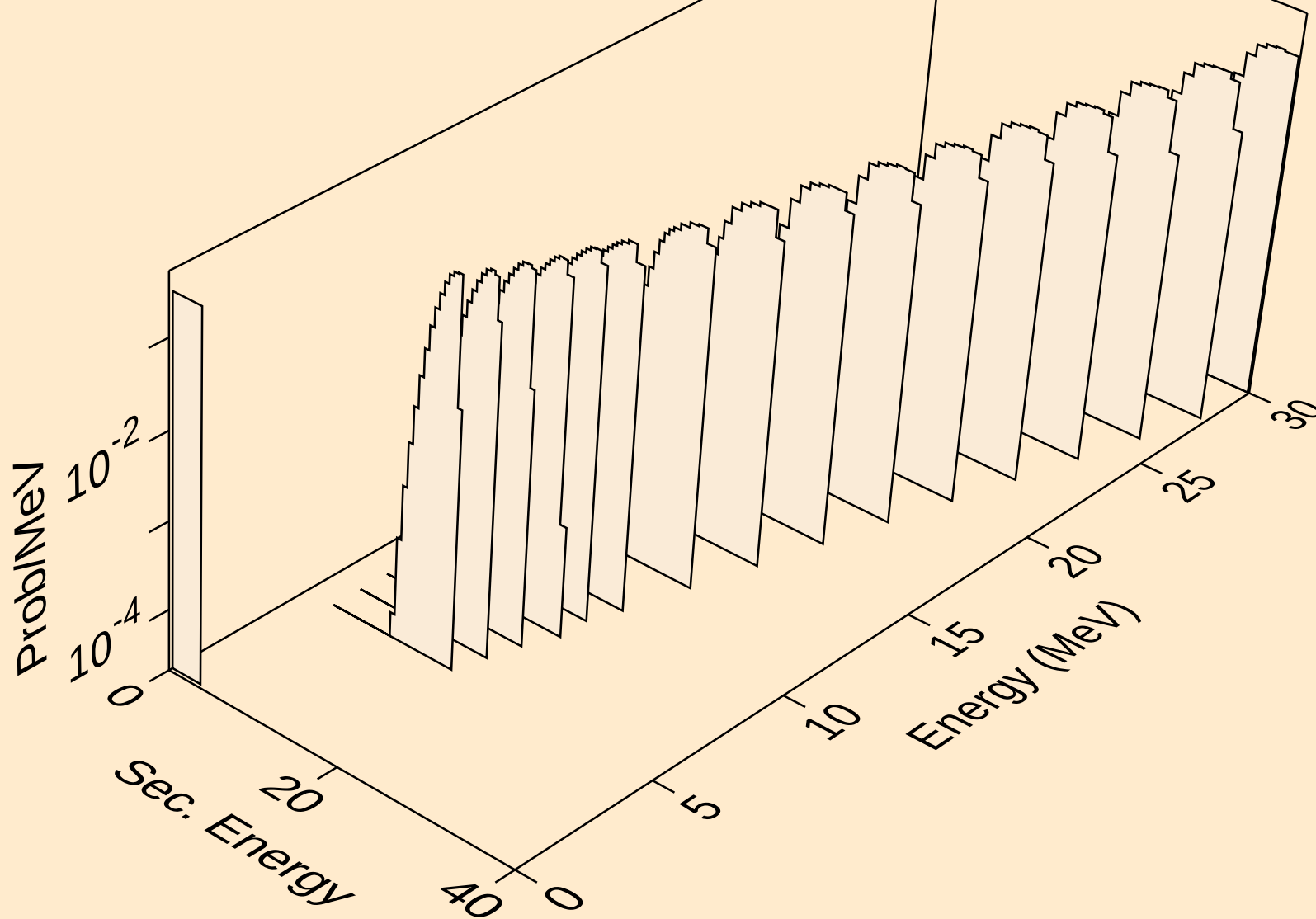
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
tritons from (s,pt)



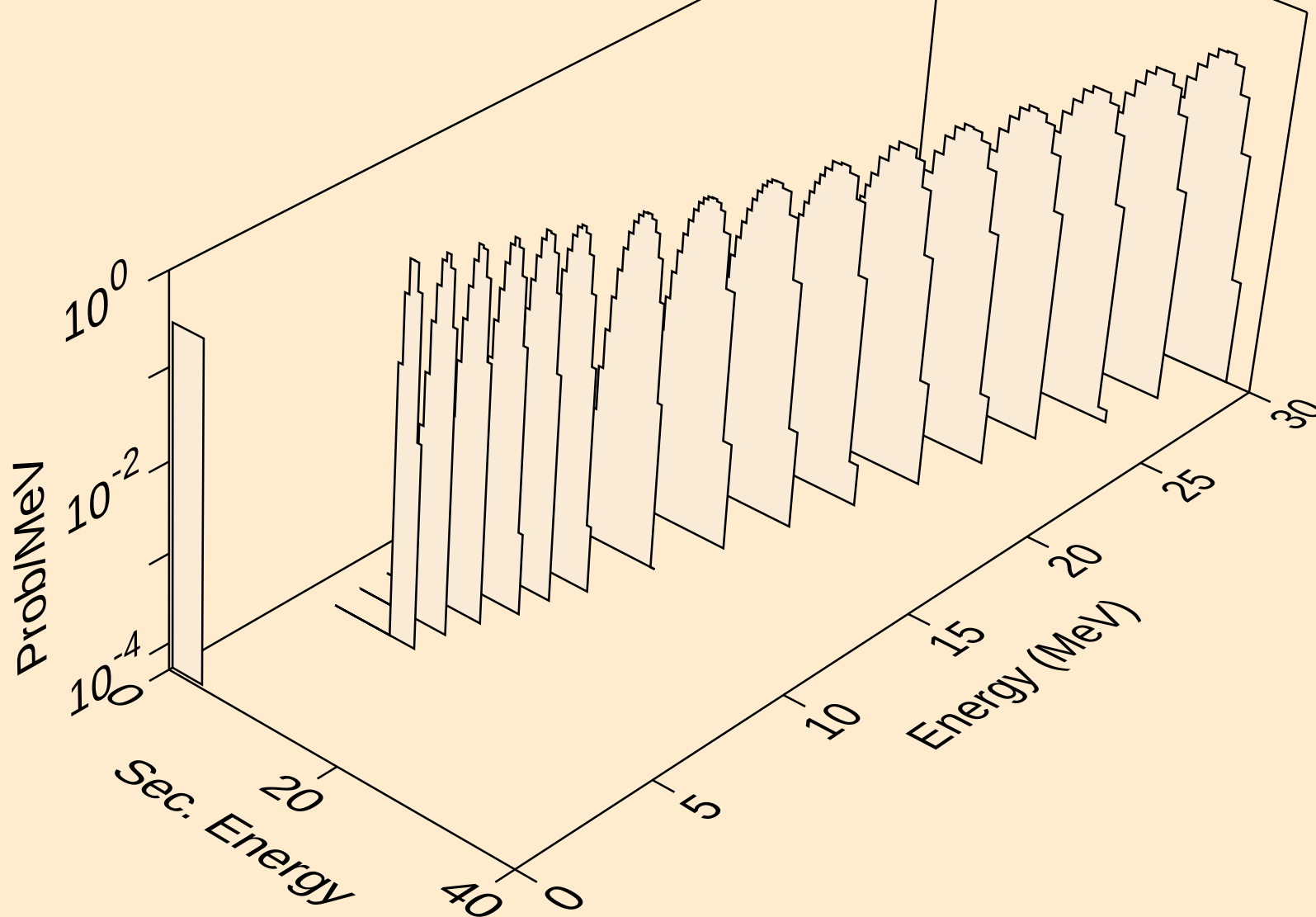
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,x)



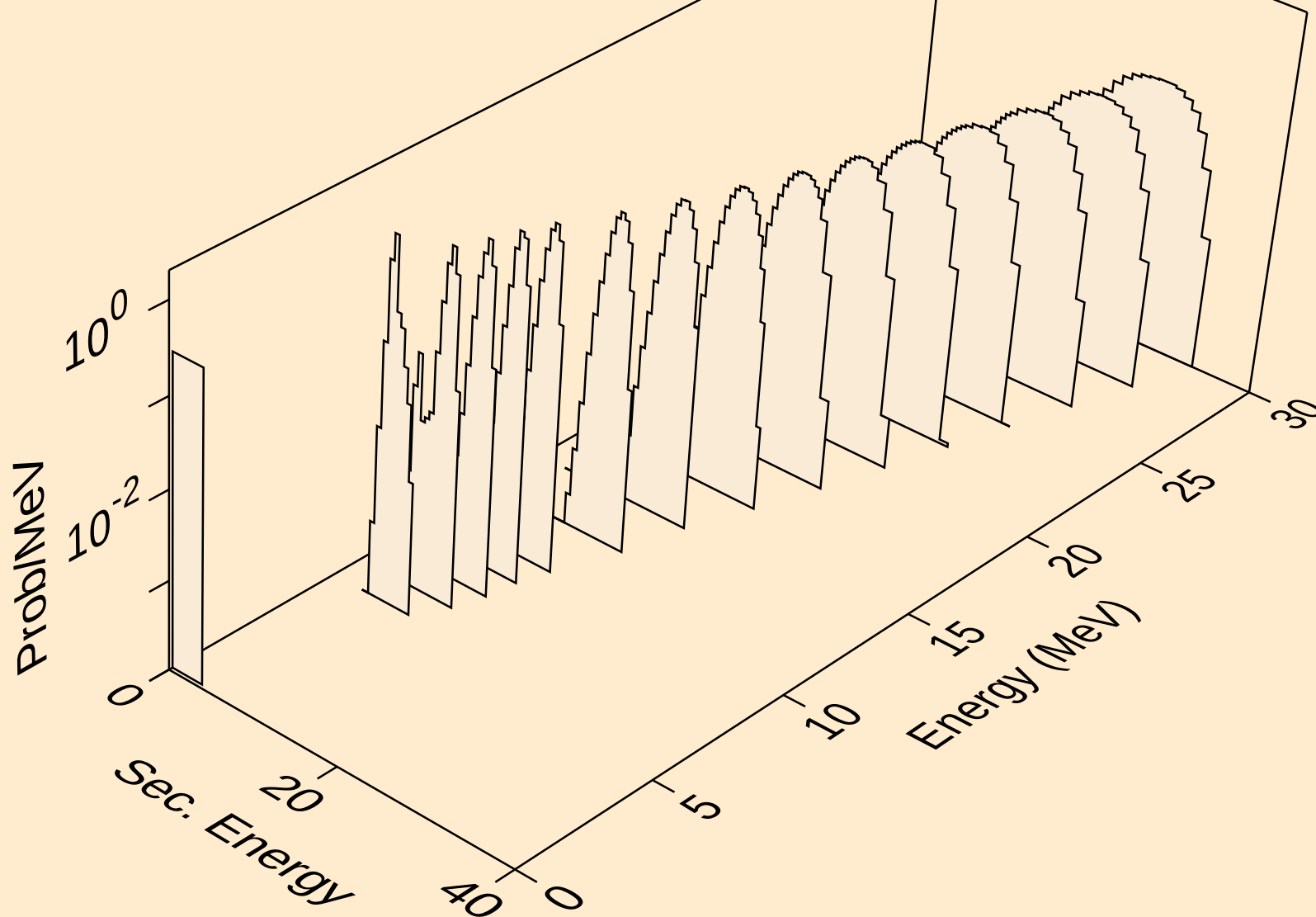
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,n*)a



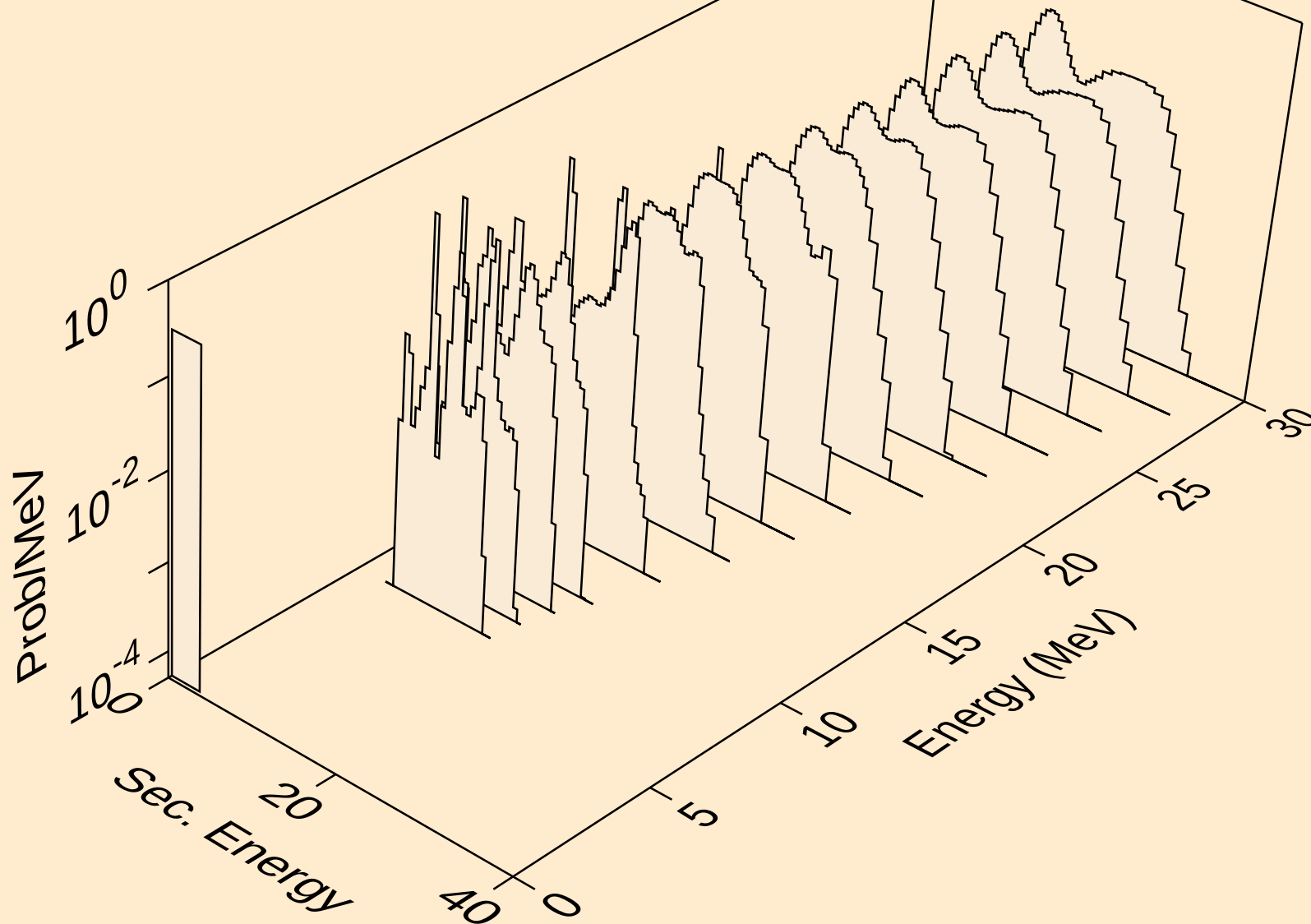
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,2n)a



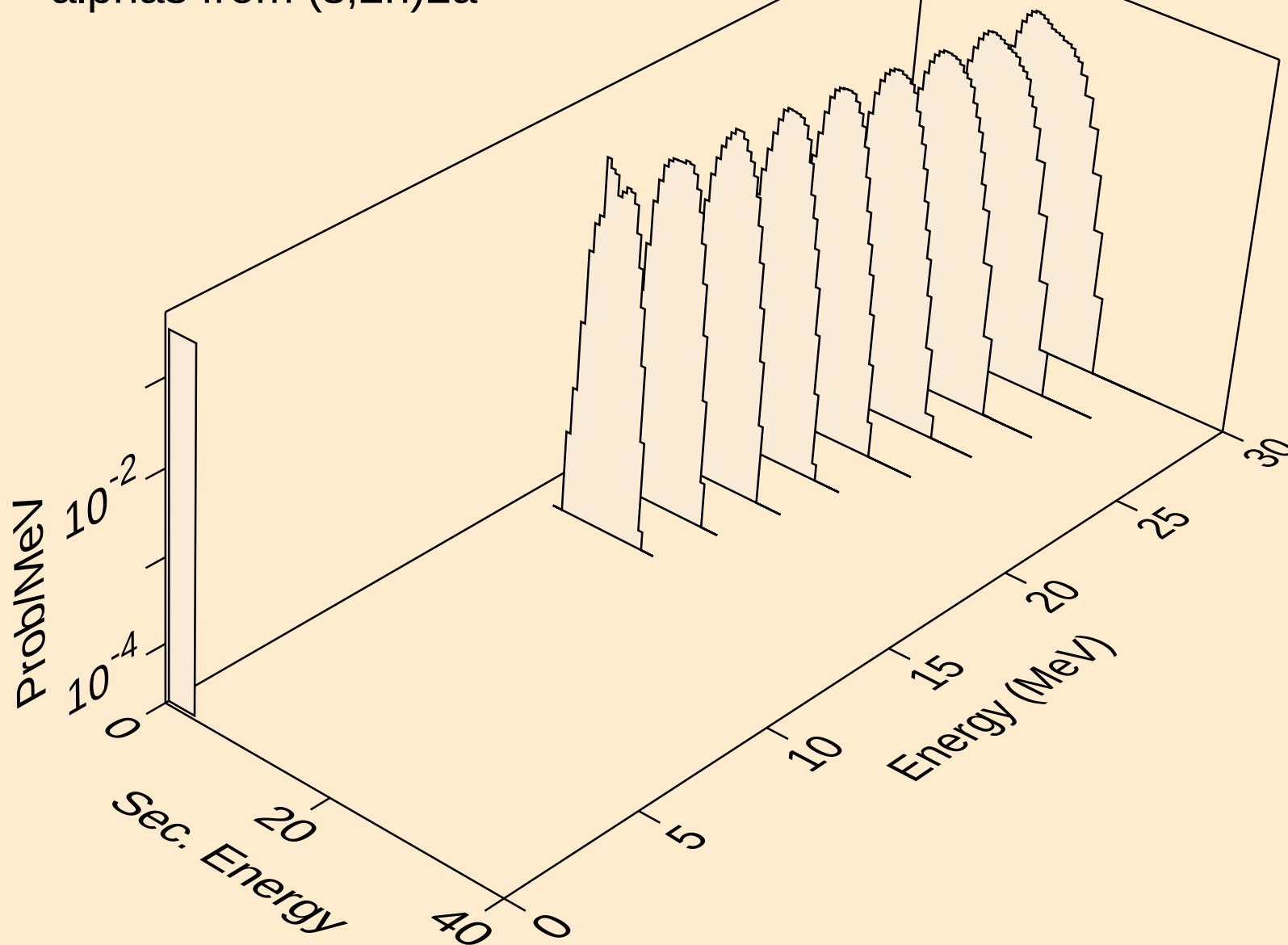
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alphas from (s,3n)a



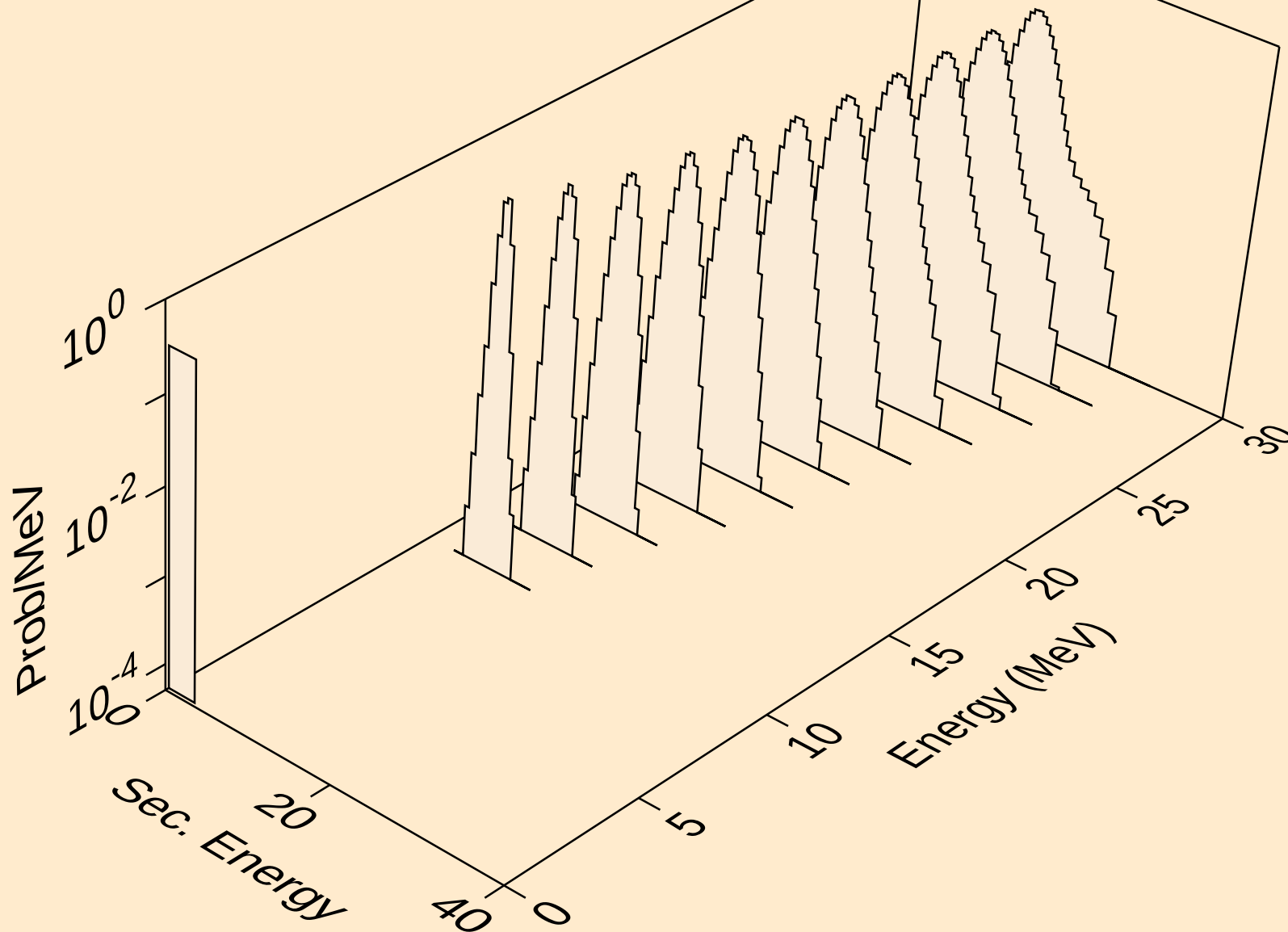
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,n*)2a



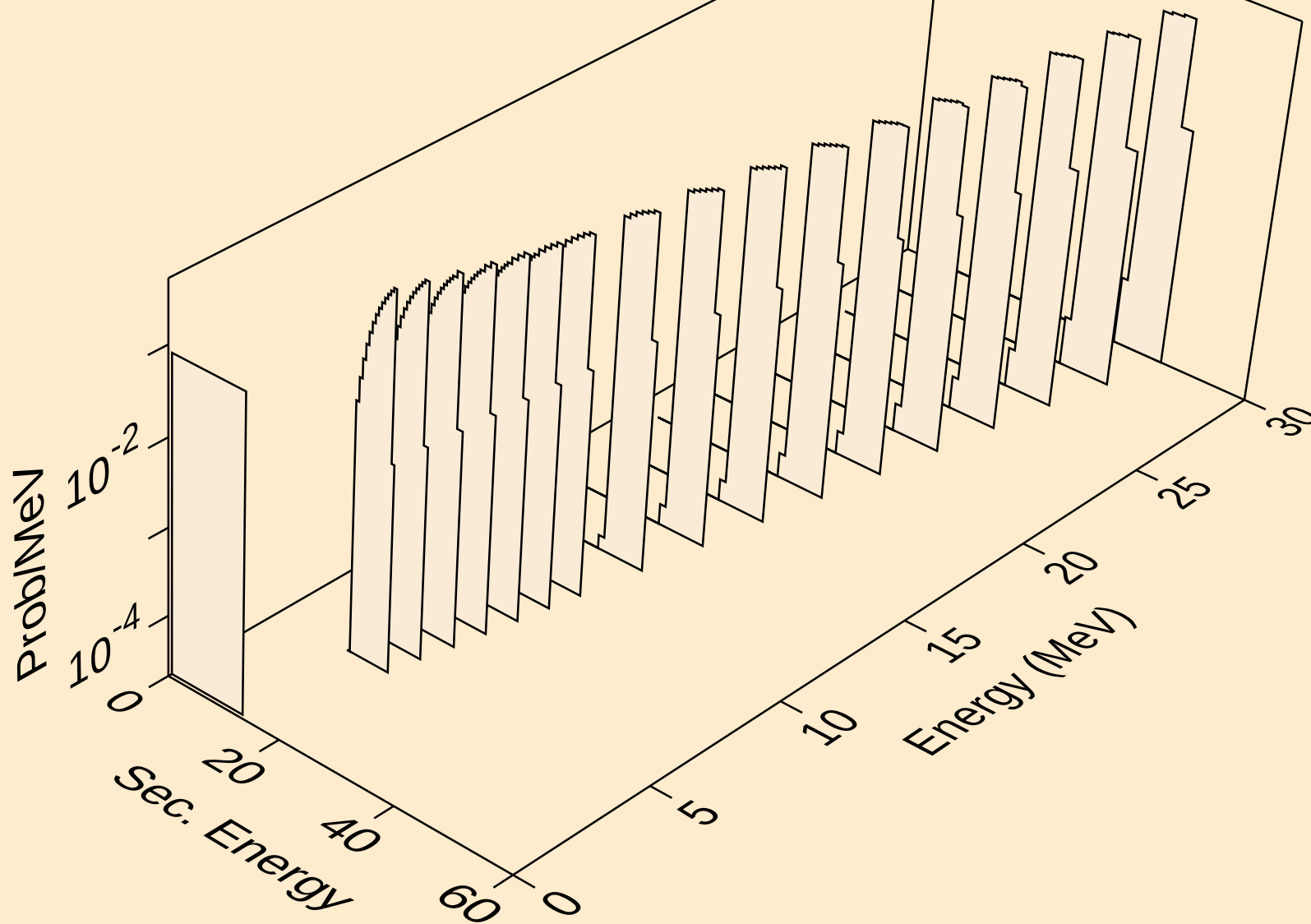
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,2n)2a



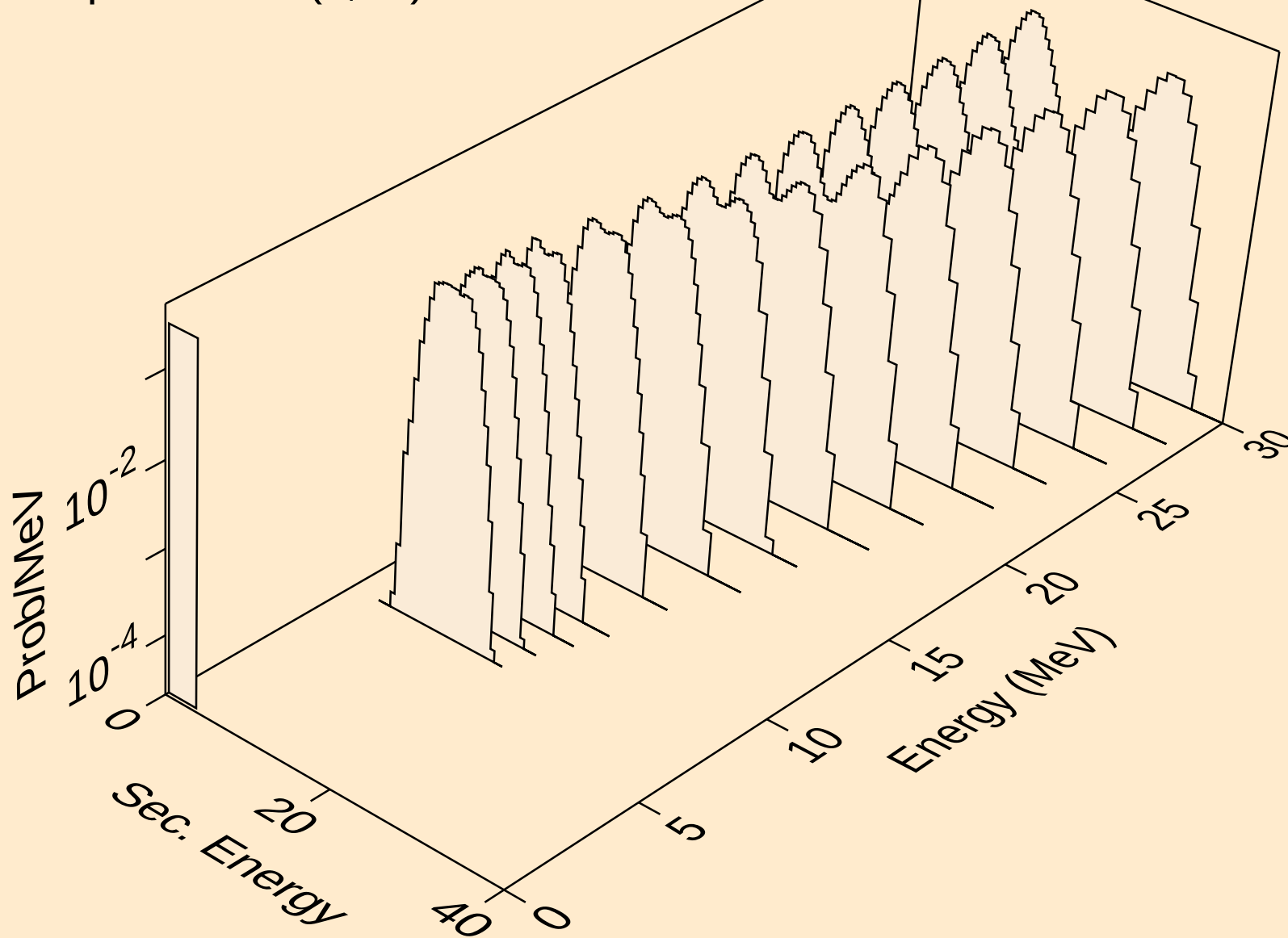
I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,npa)



I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,a)



I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,2a)



I139 HELION ACER TENDL-2021 LIBRARY; T=0.K
alphas from (s,da)

