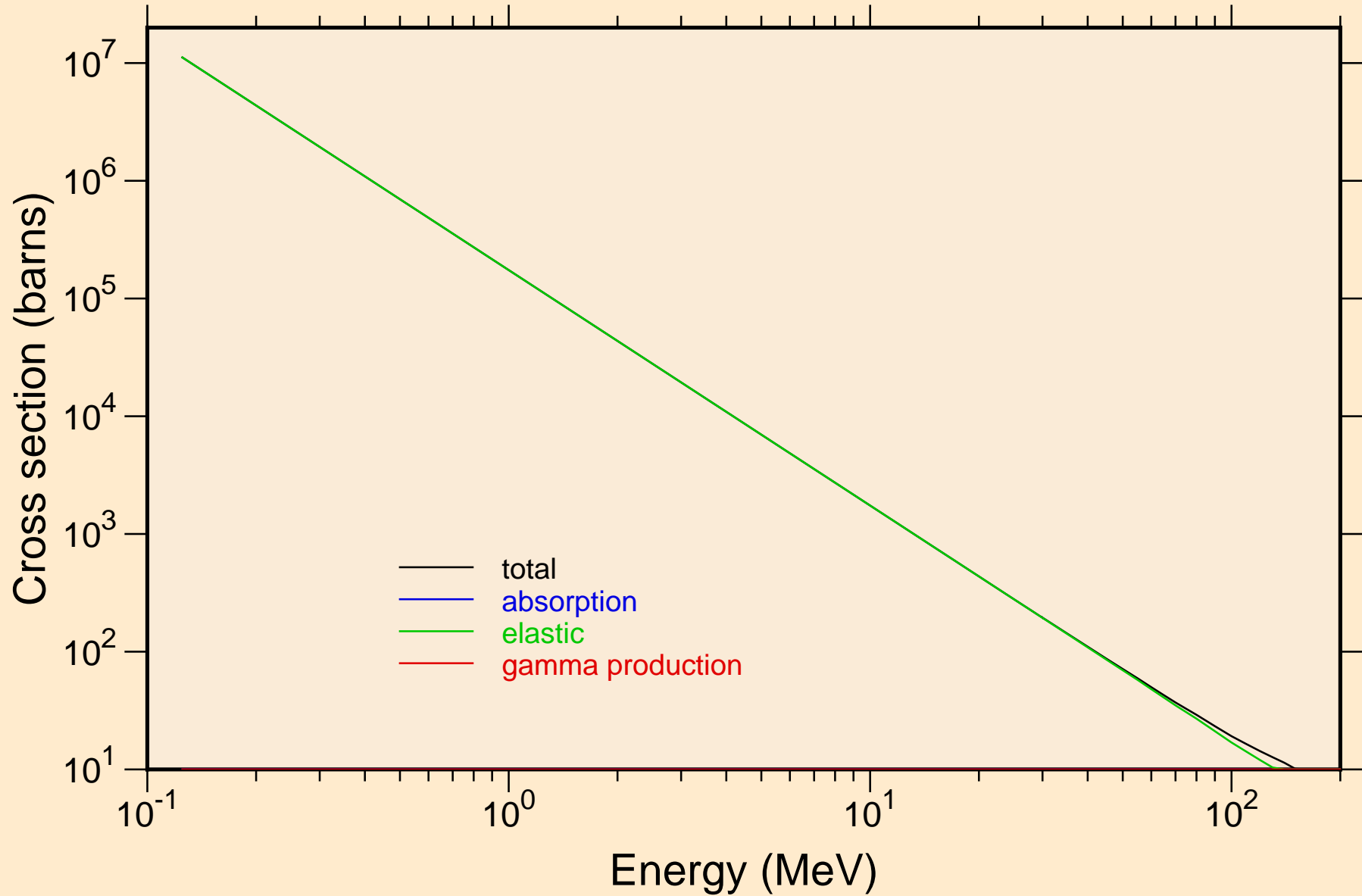
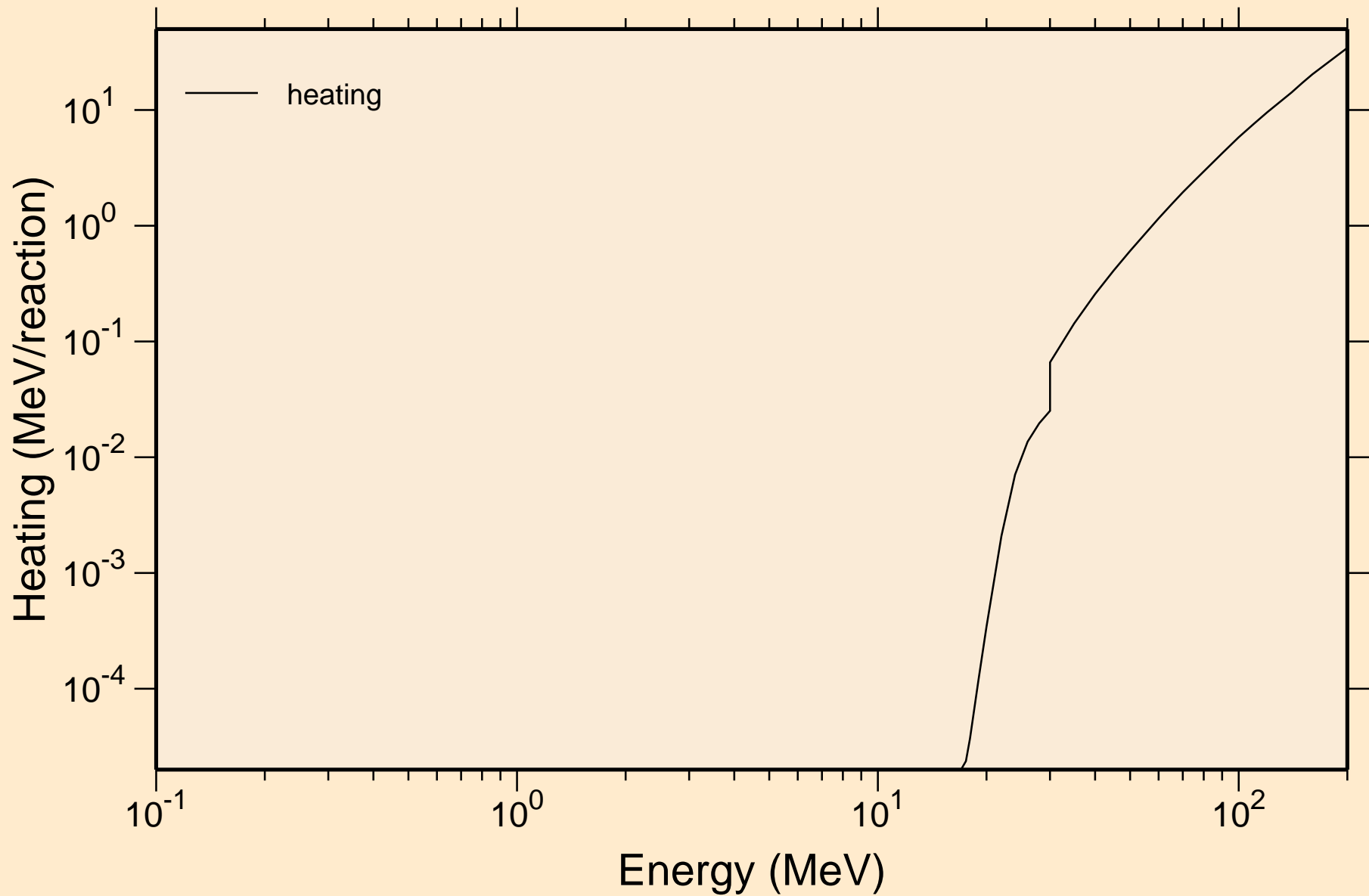


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



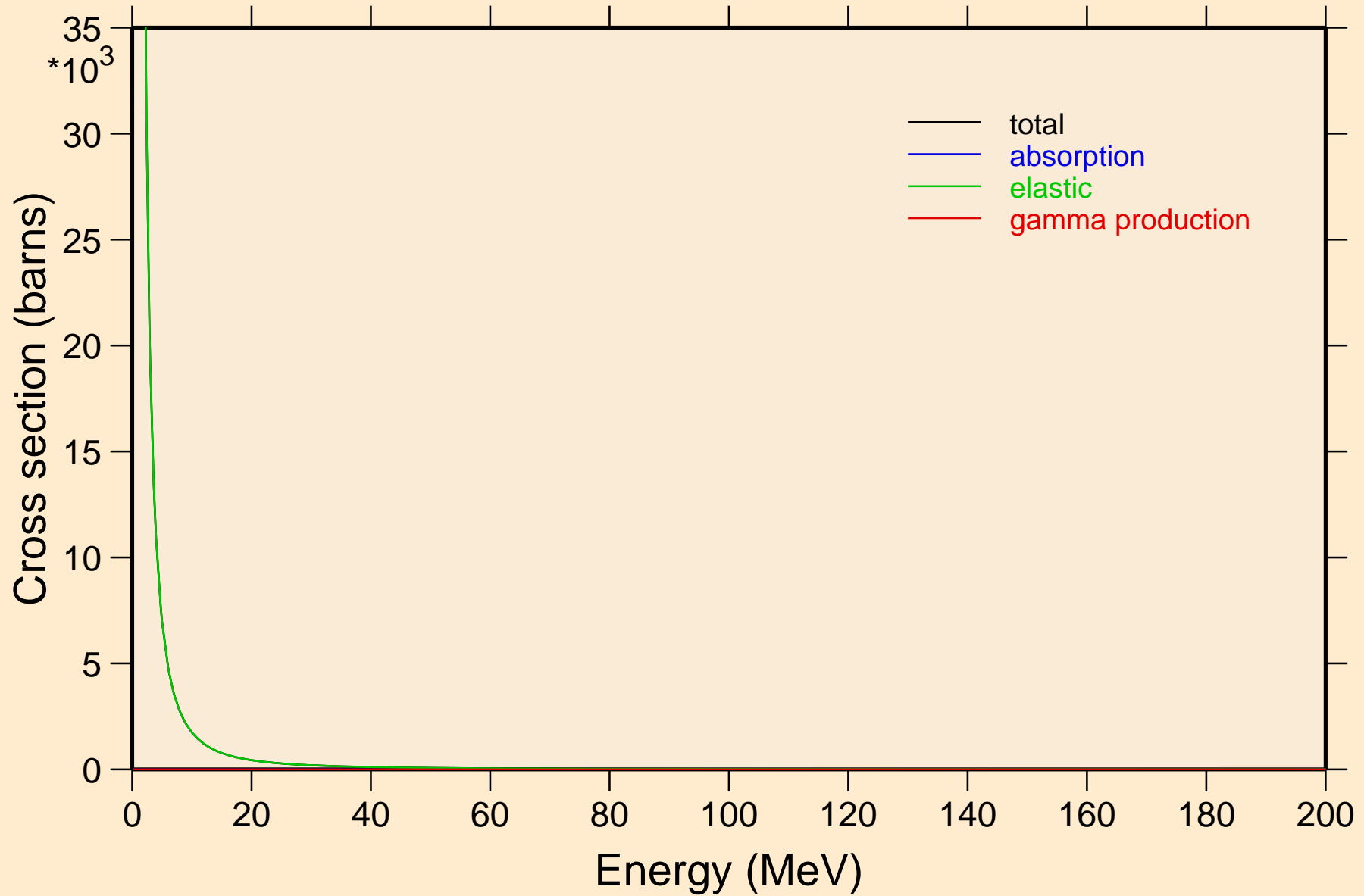
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



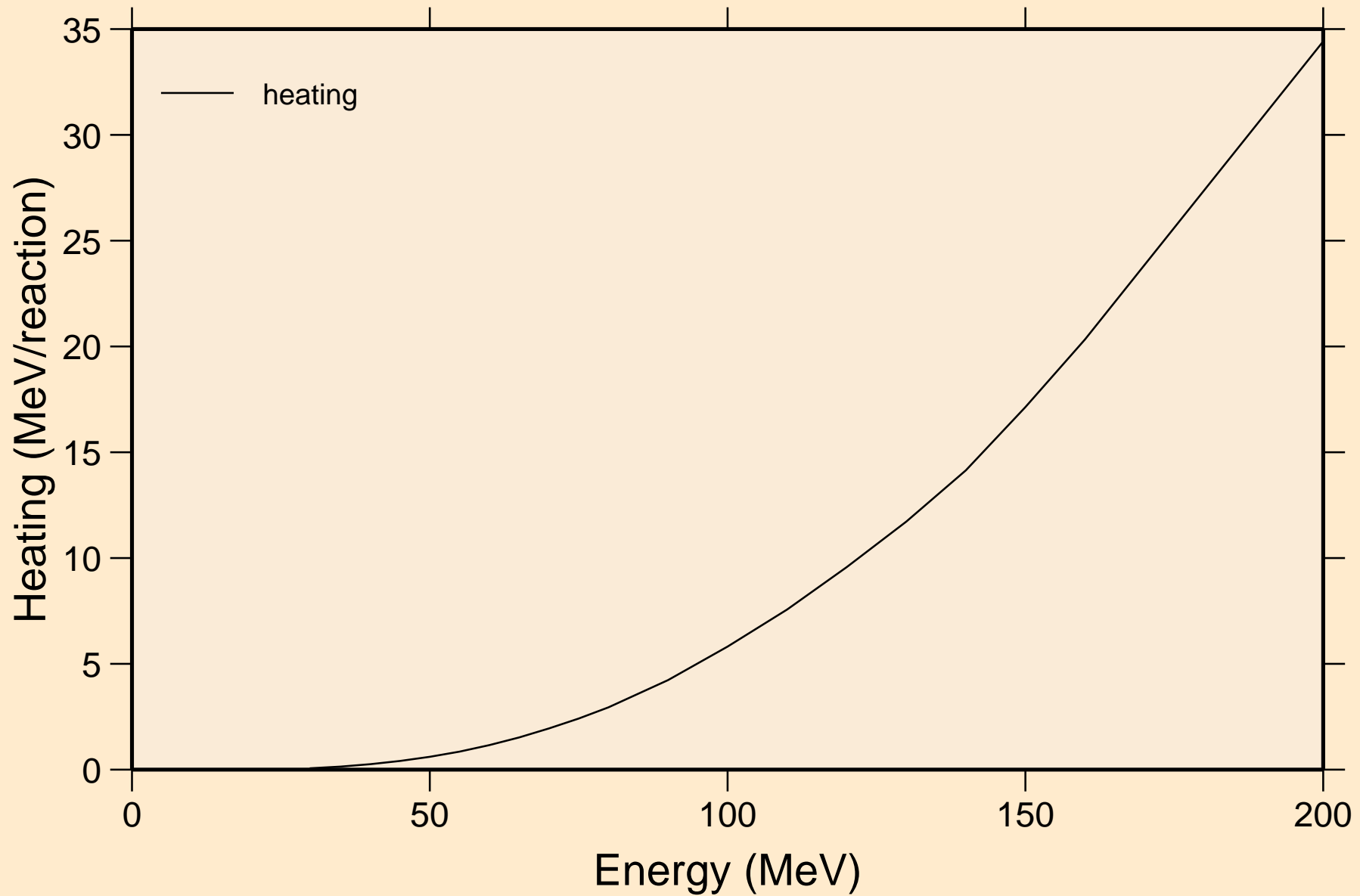
# BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

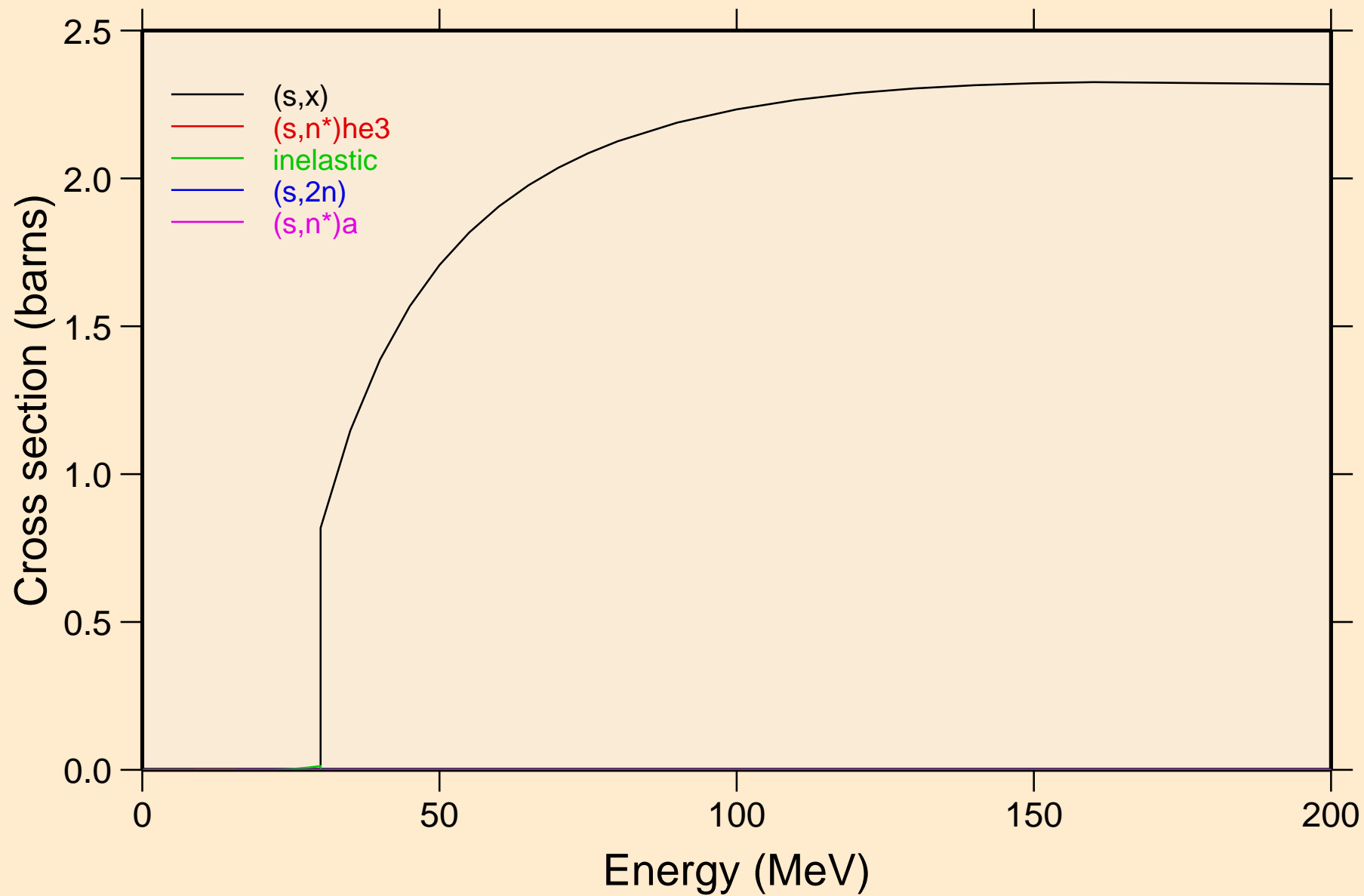


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

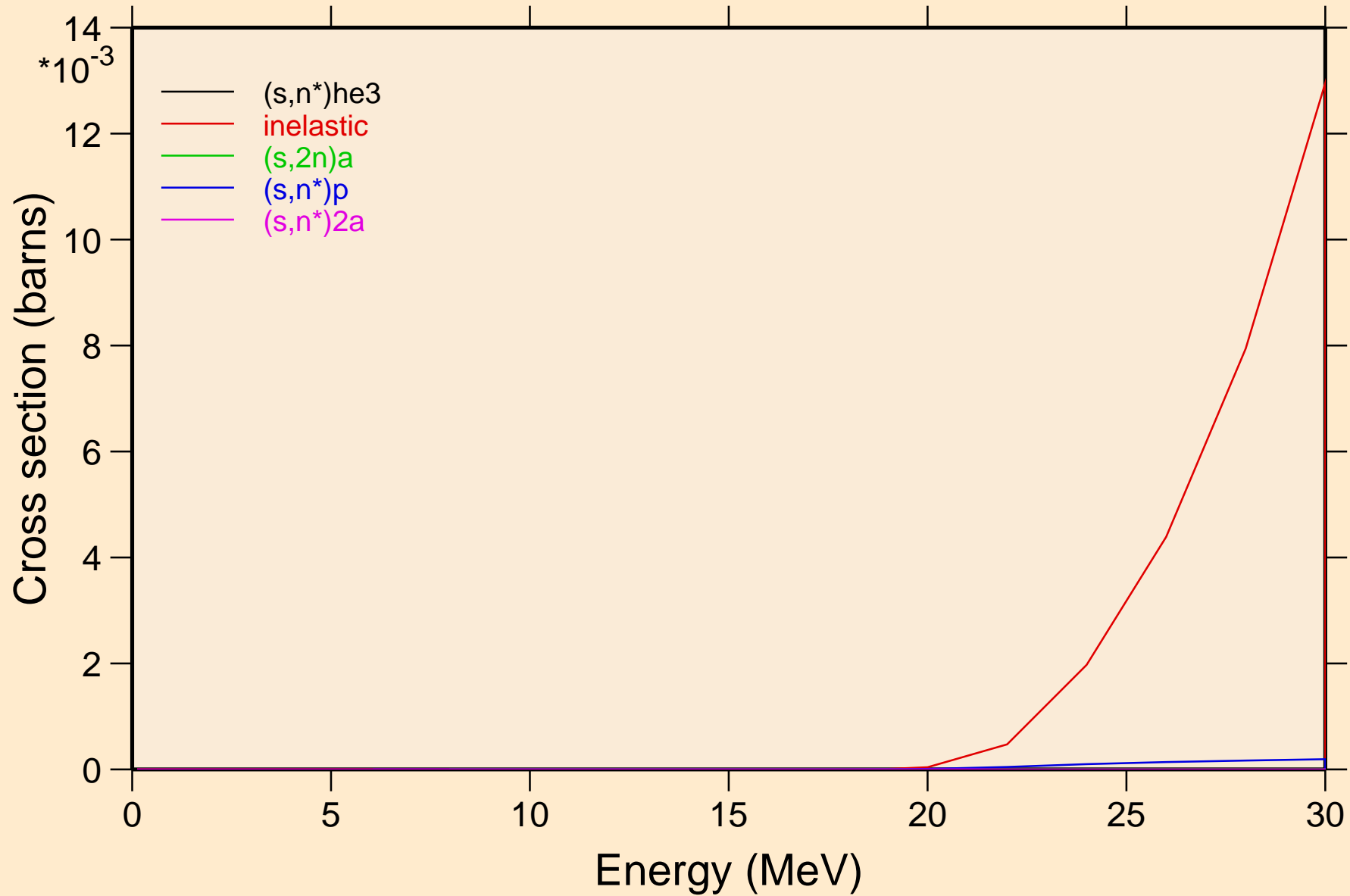
Heating



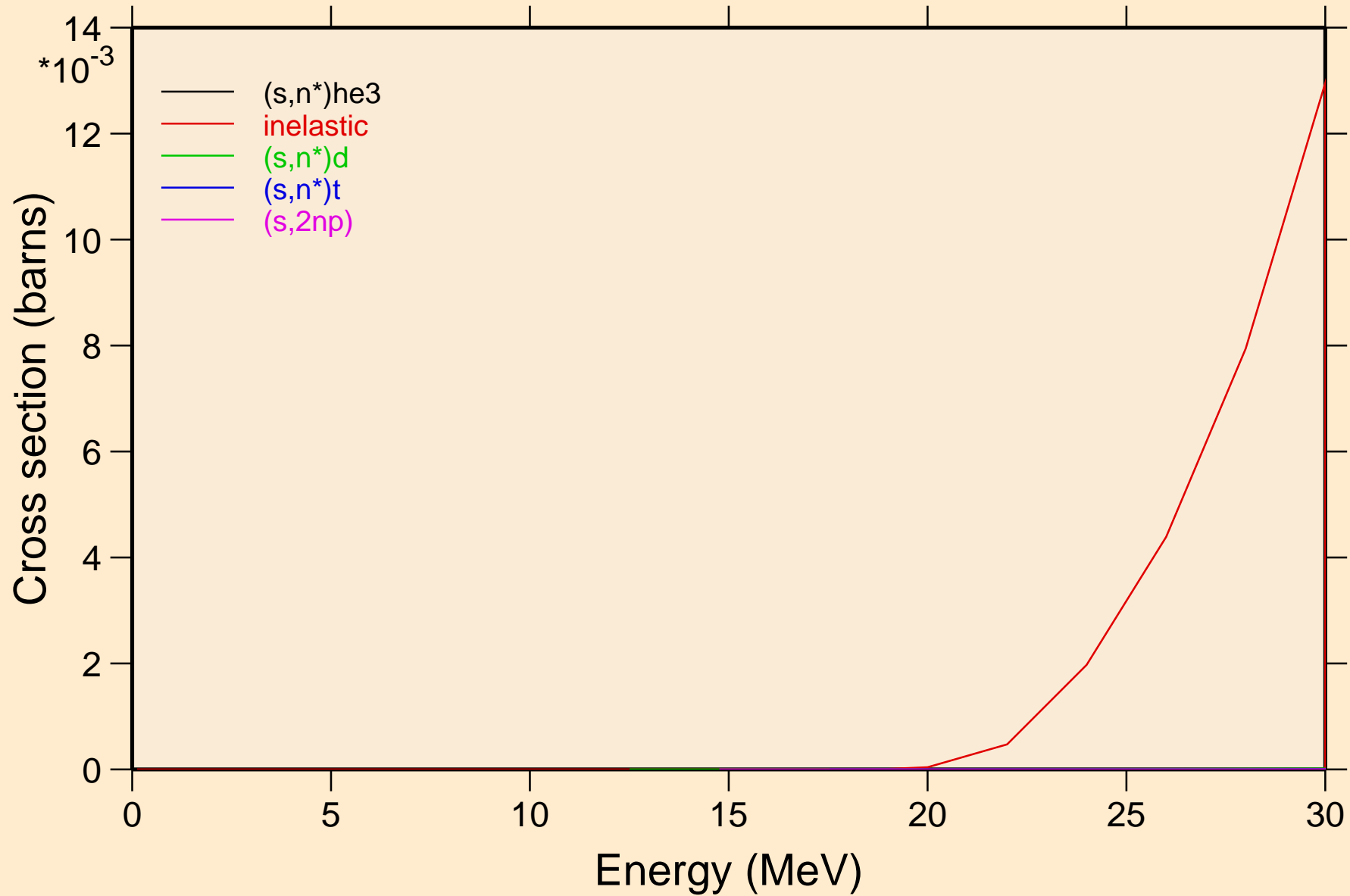
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



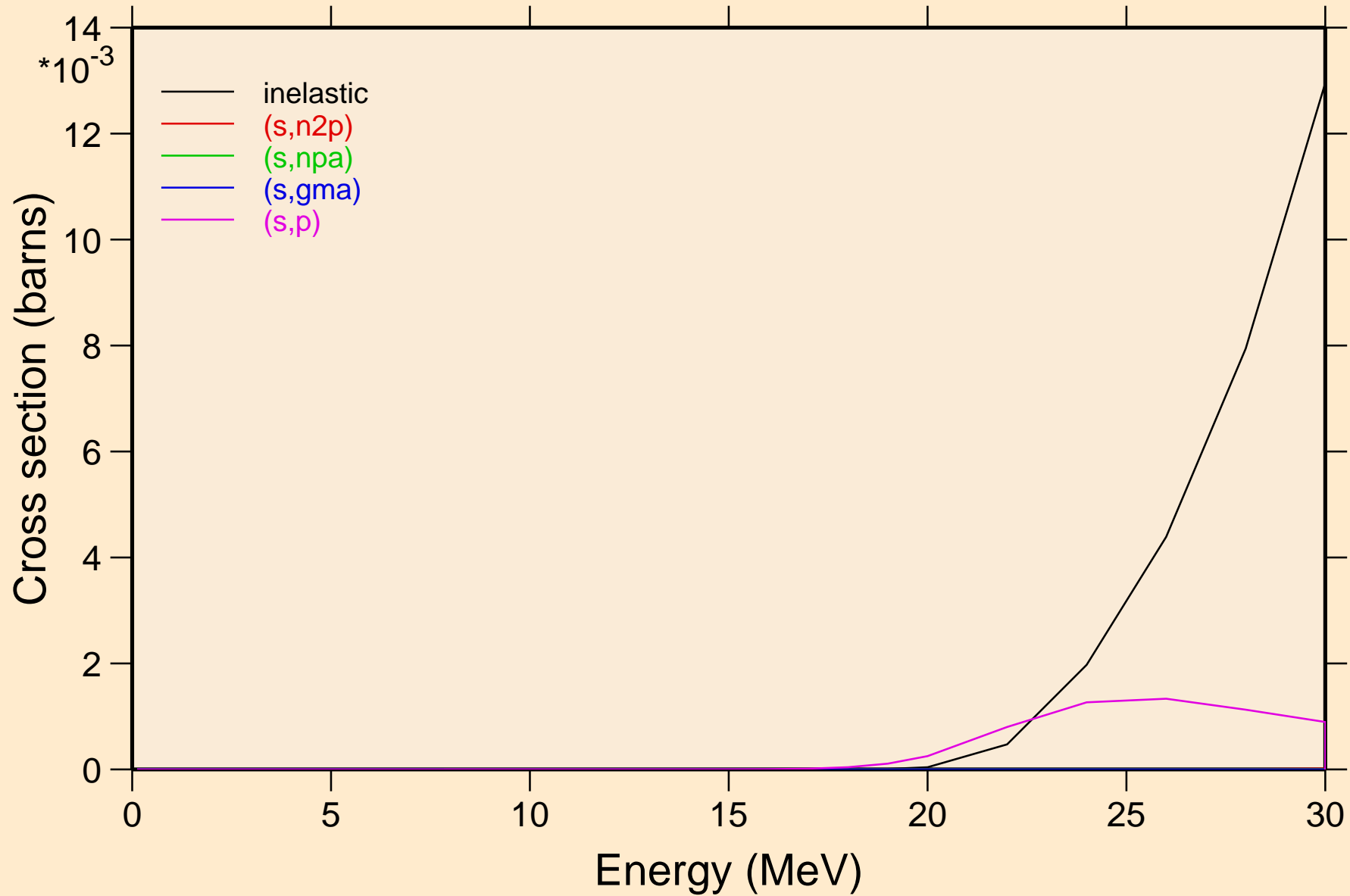
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

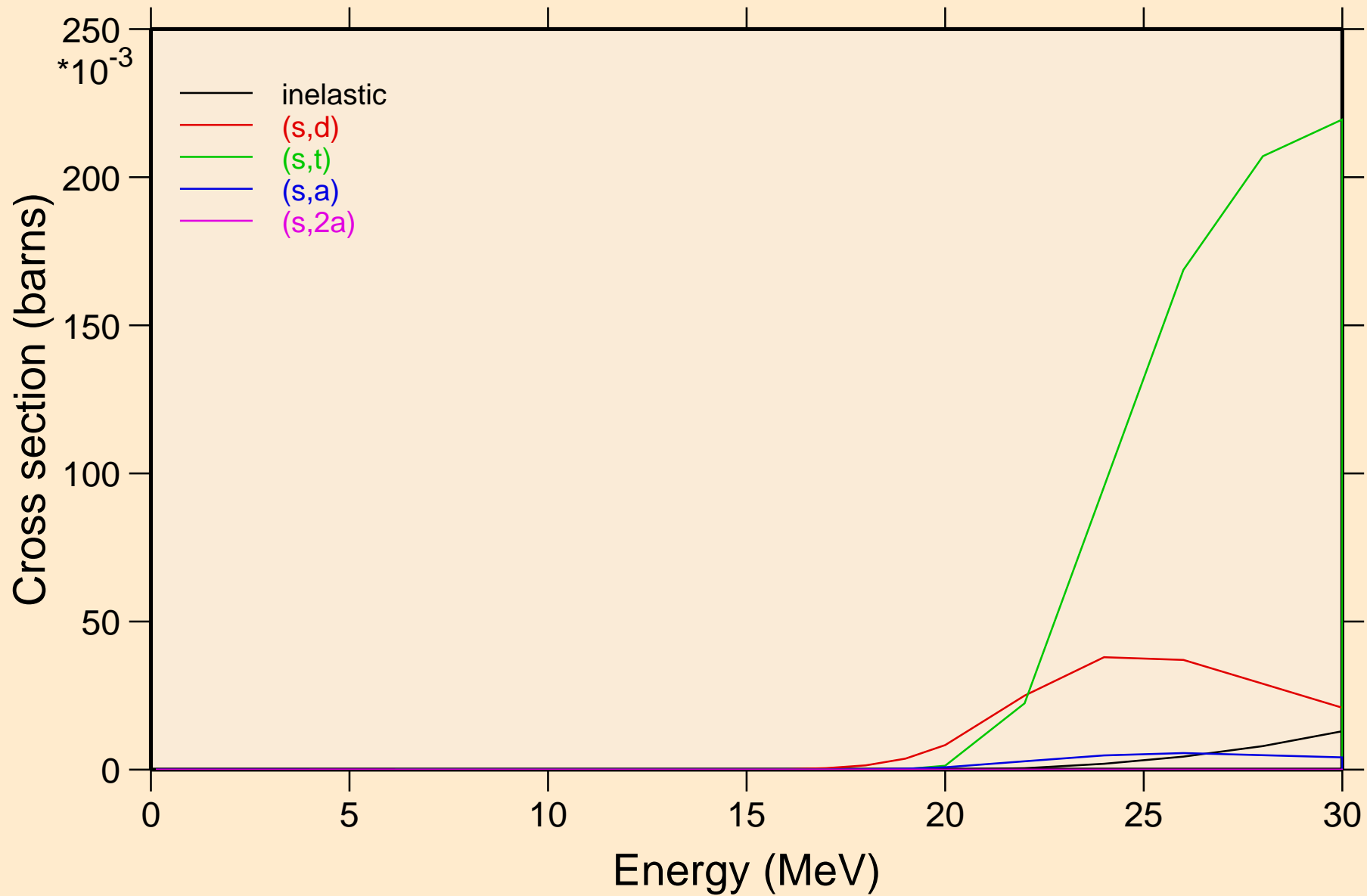


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

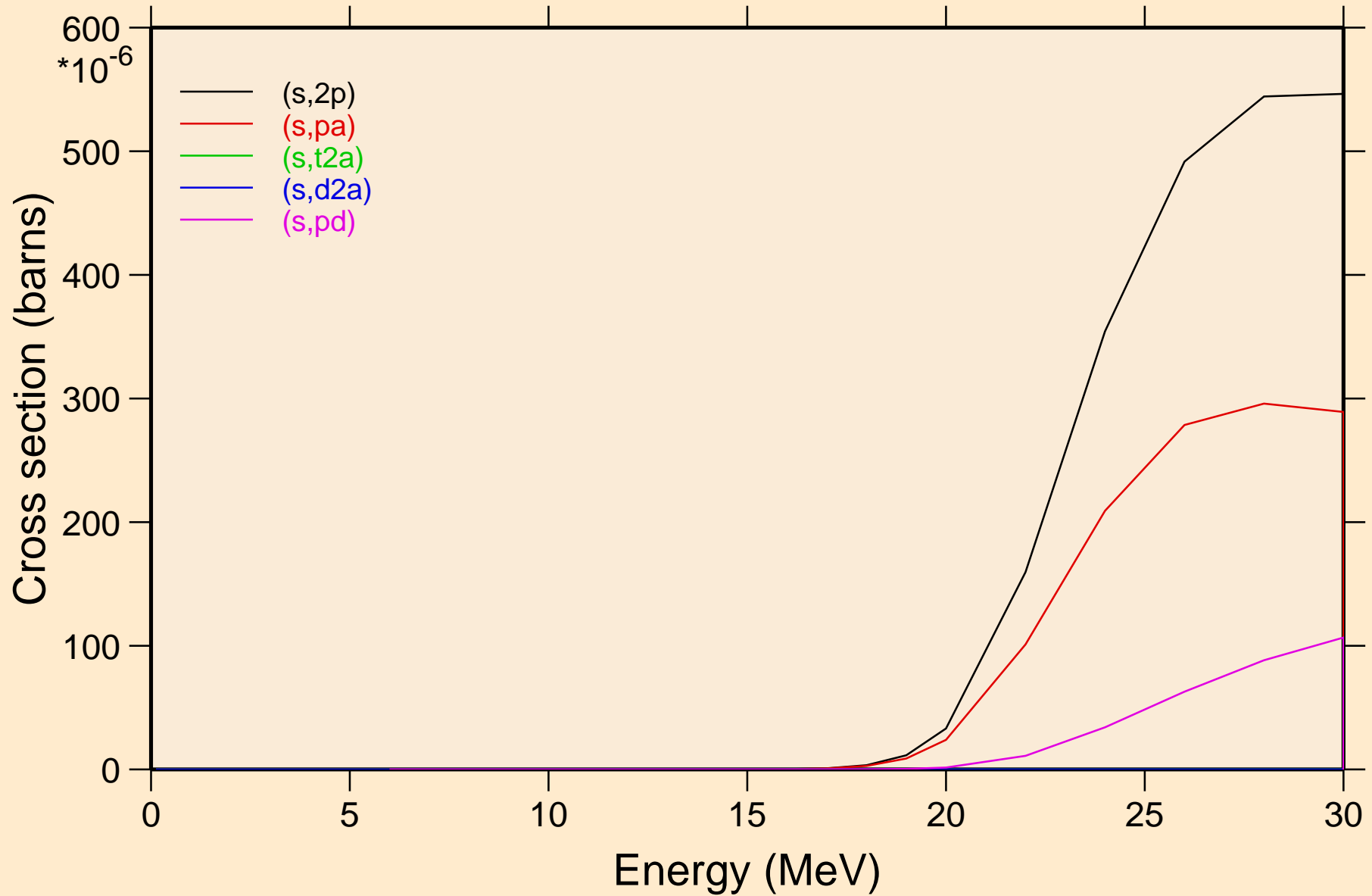




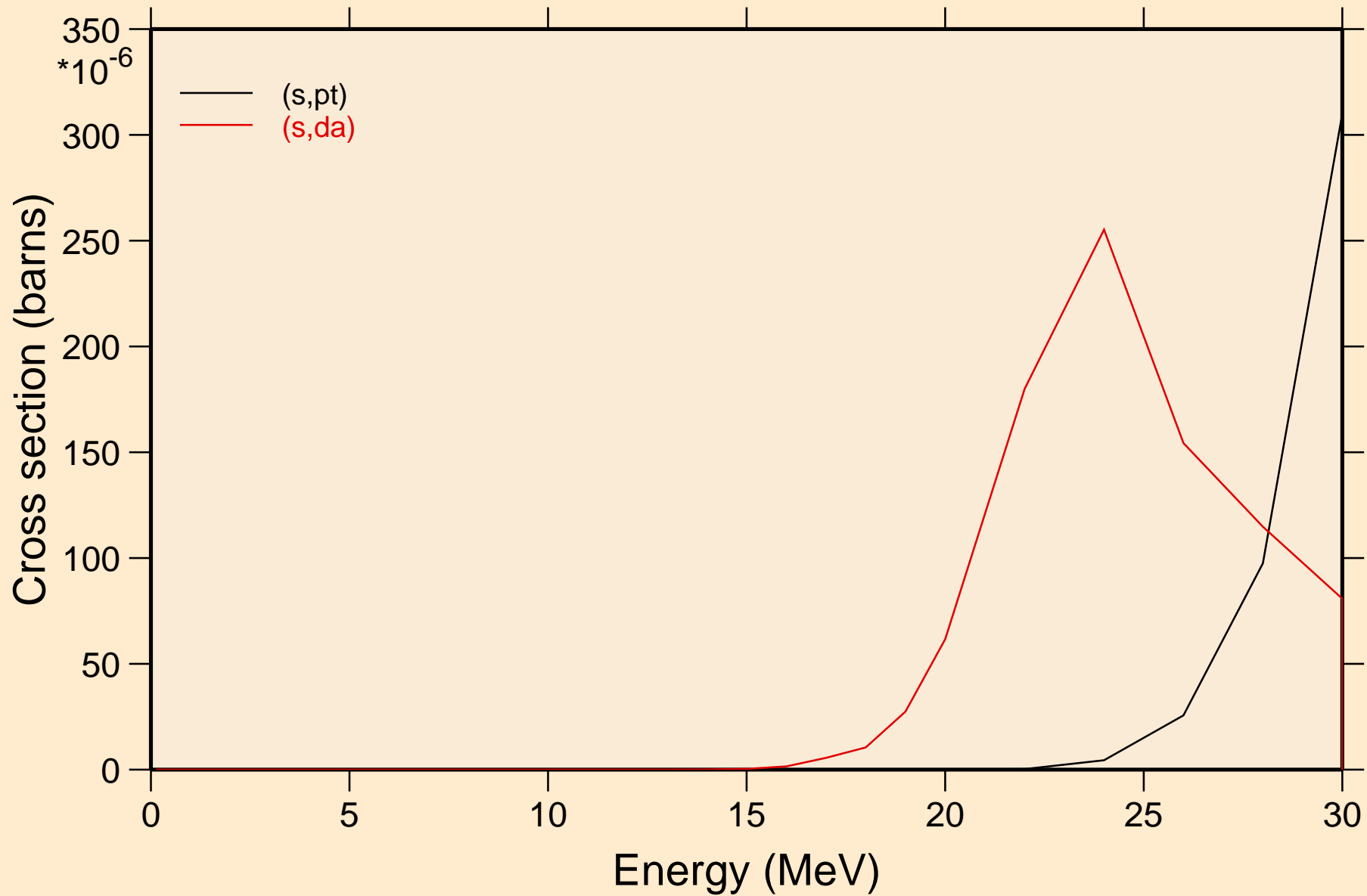
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Threshold reactions



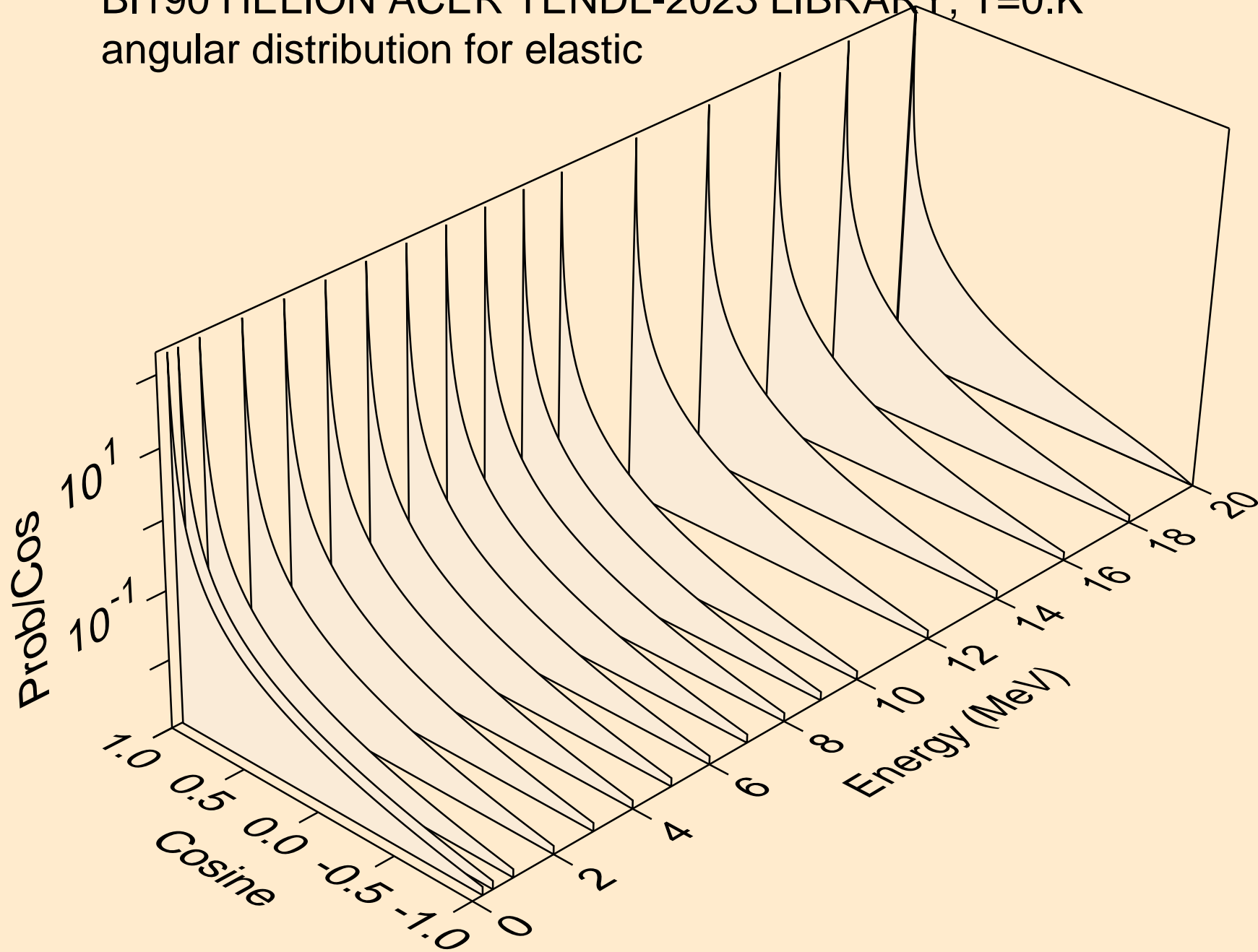
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



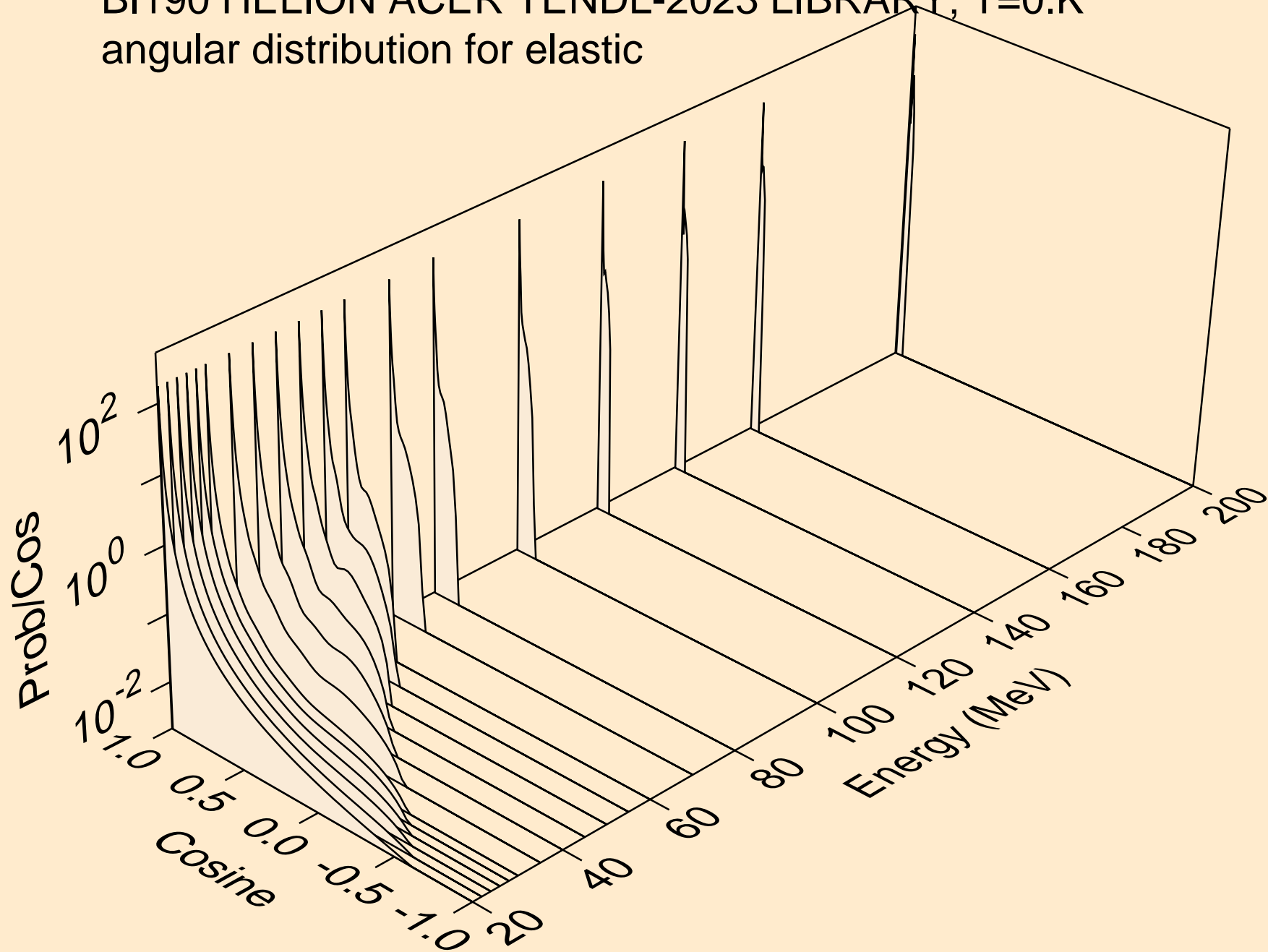
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Threshold reactions



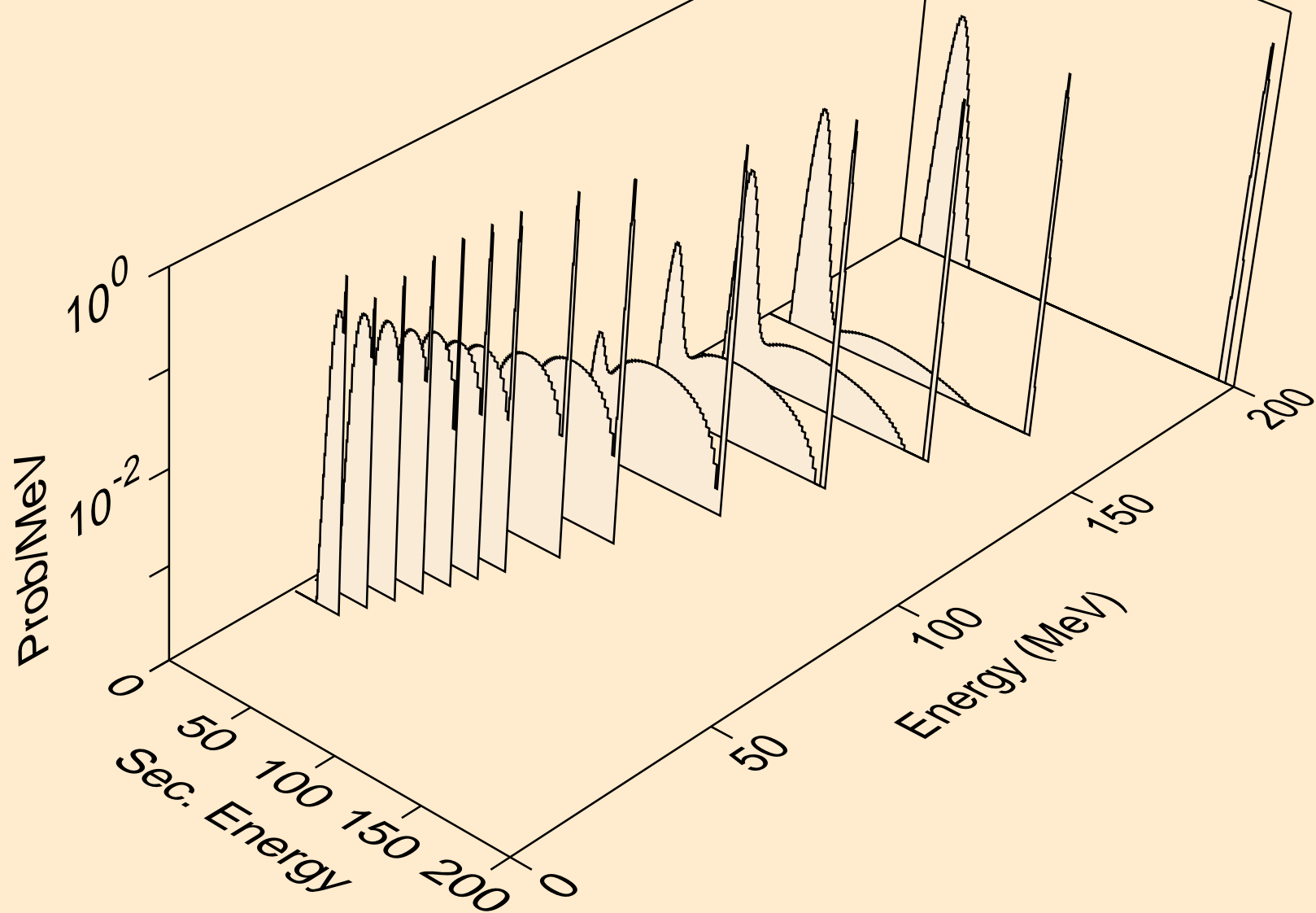
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



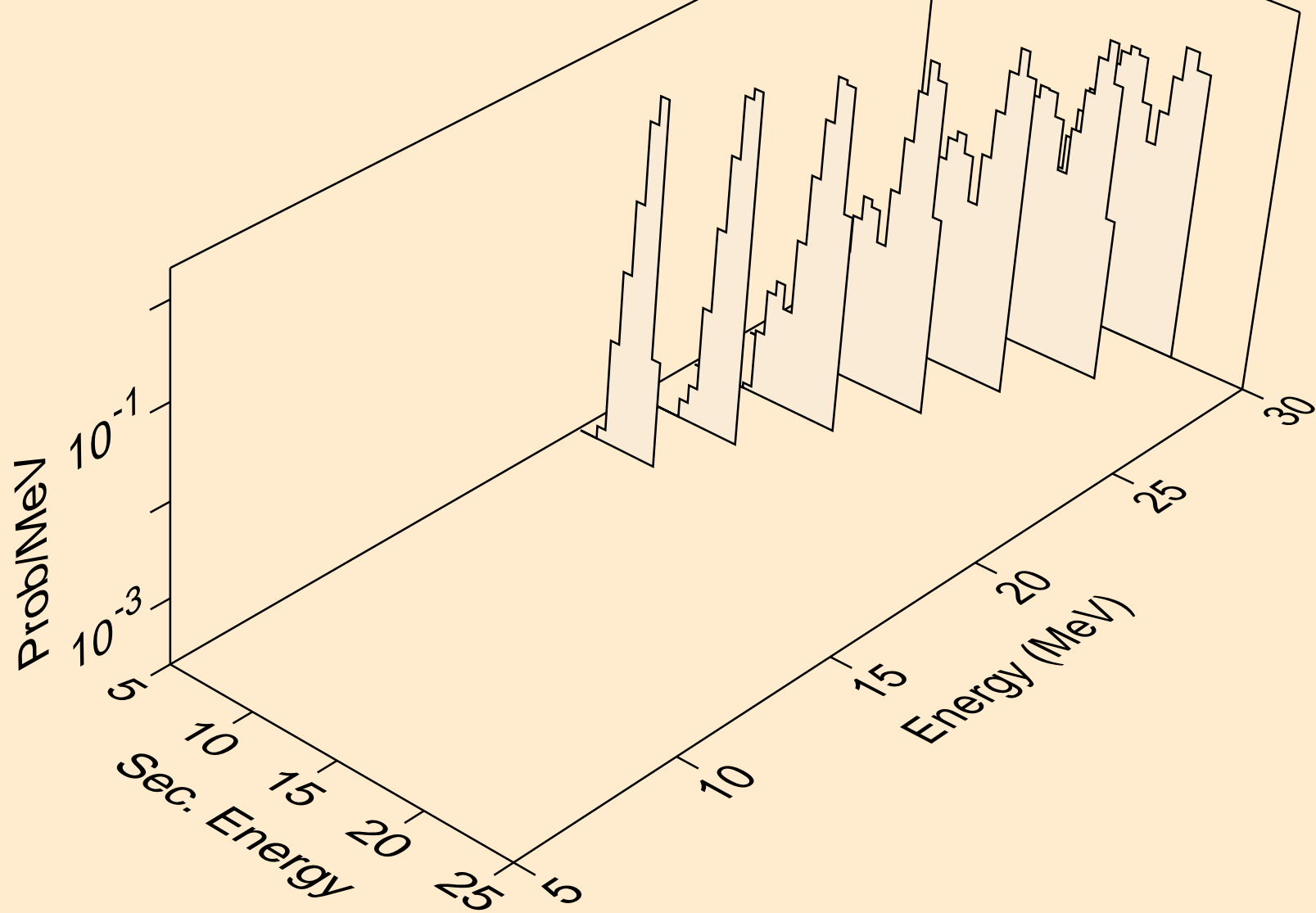
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



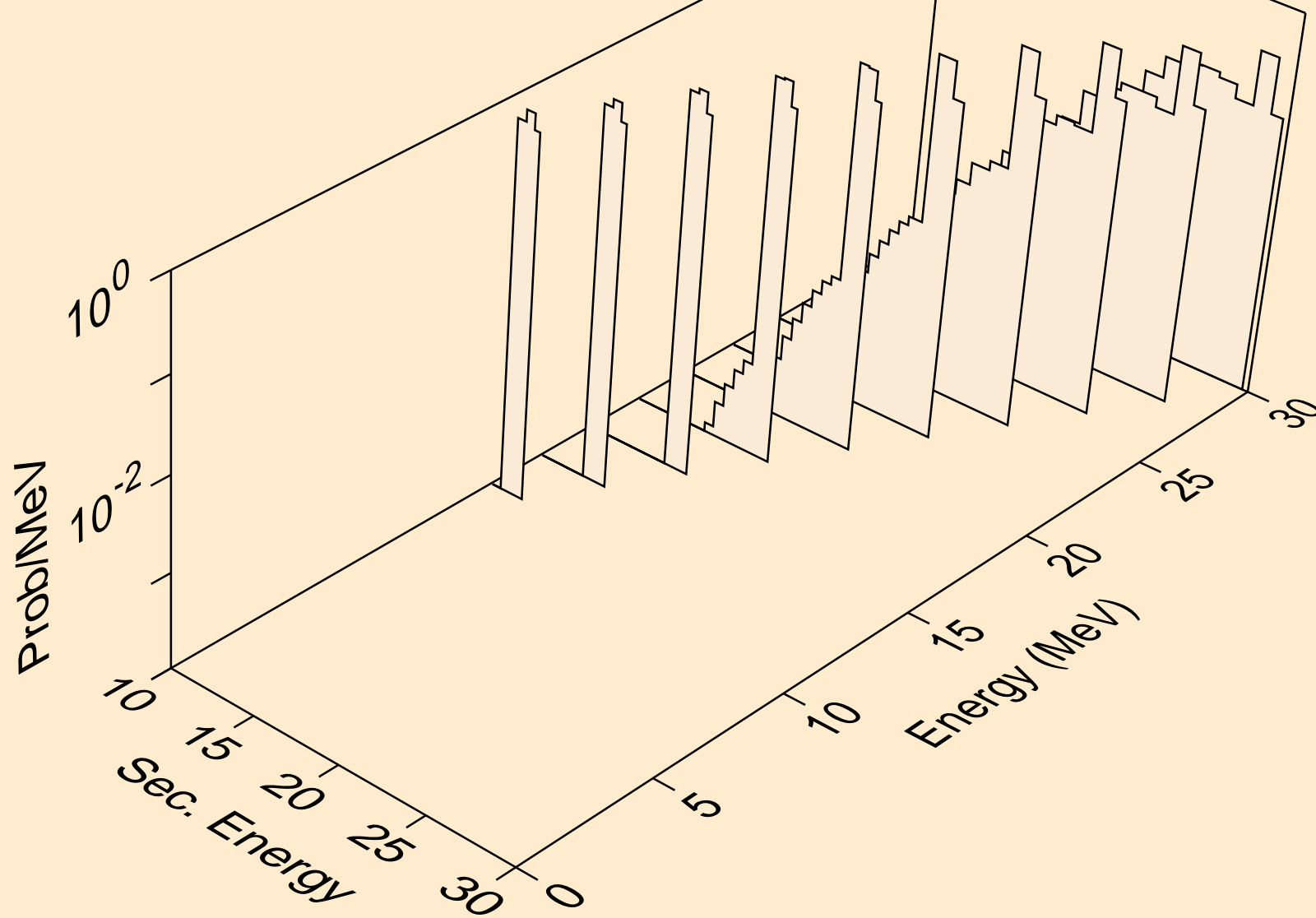
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

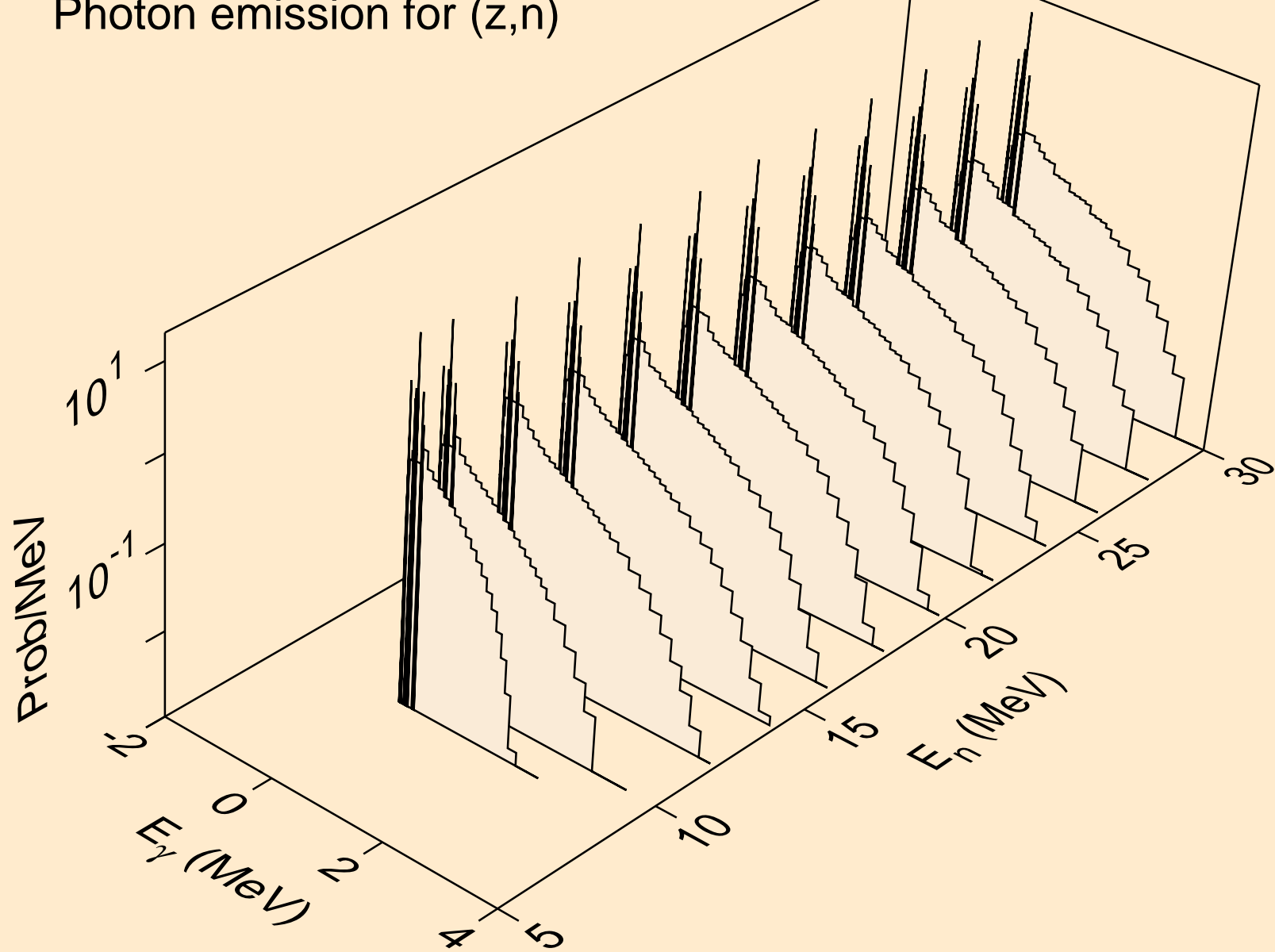


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



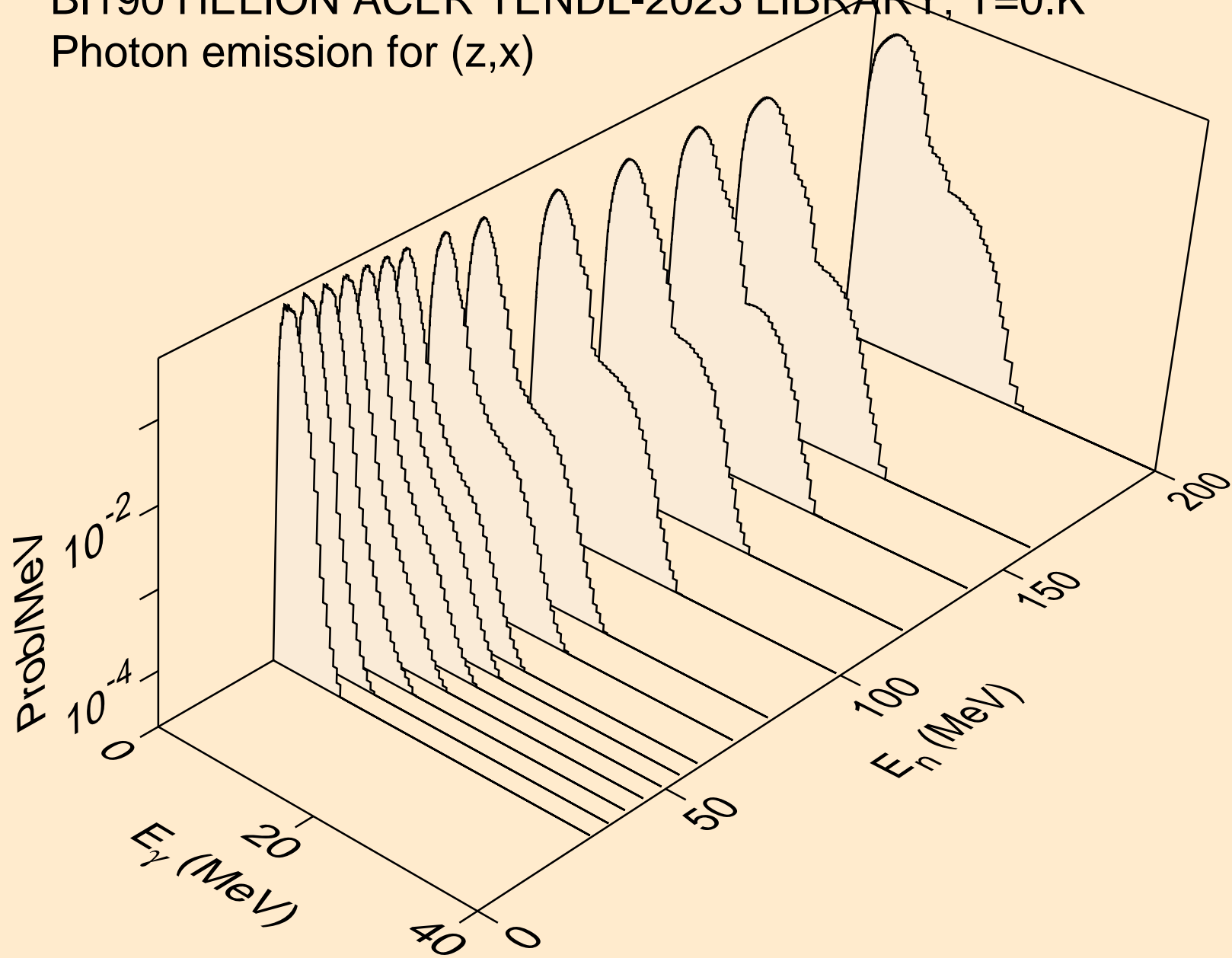


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

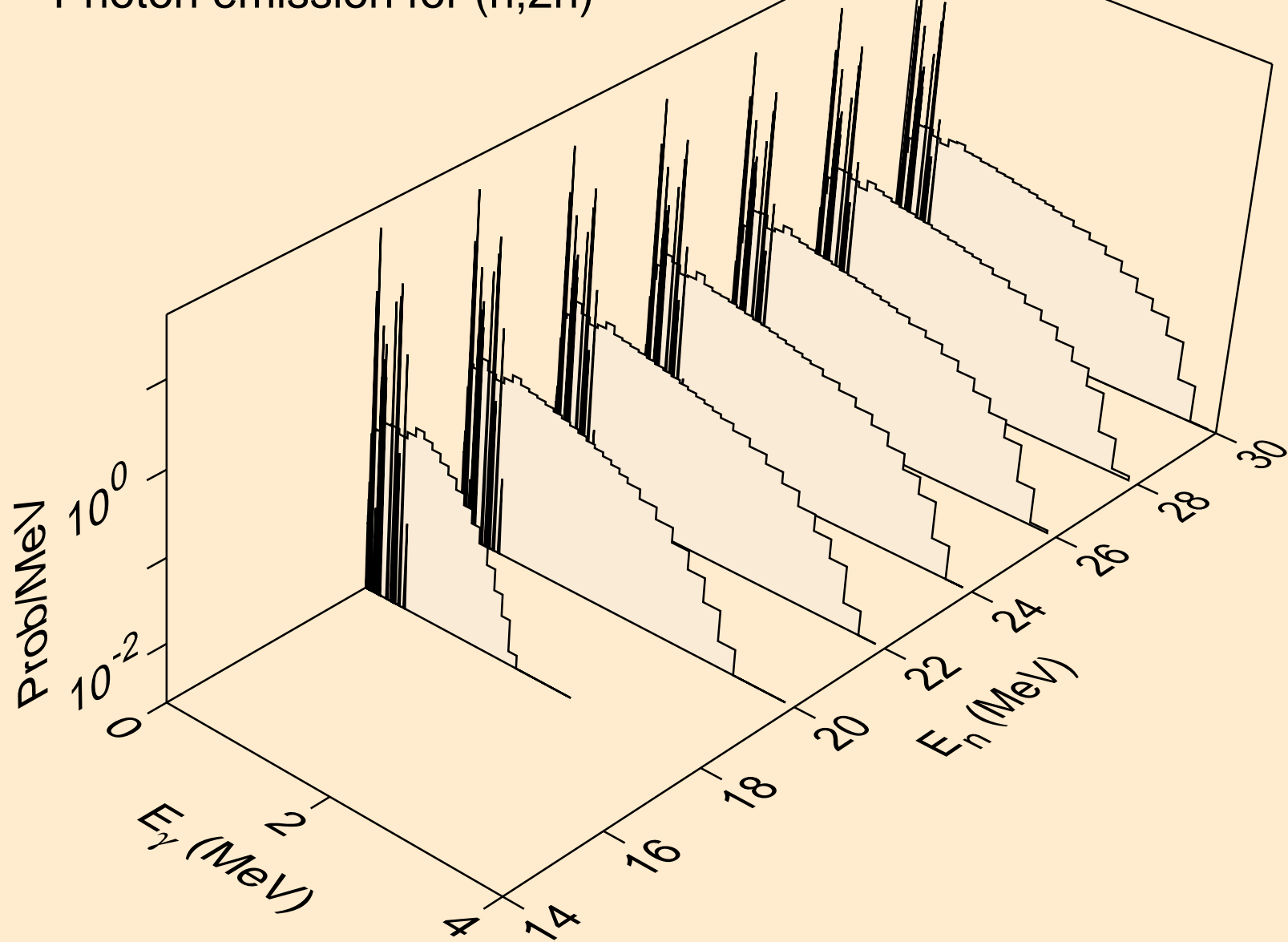


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

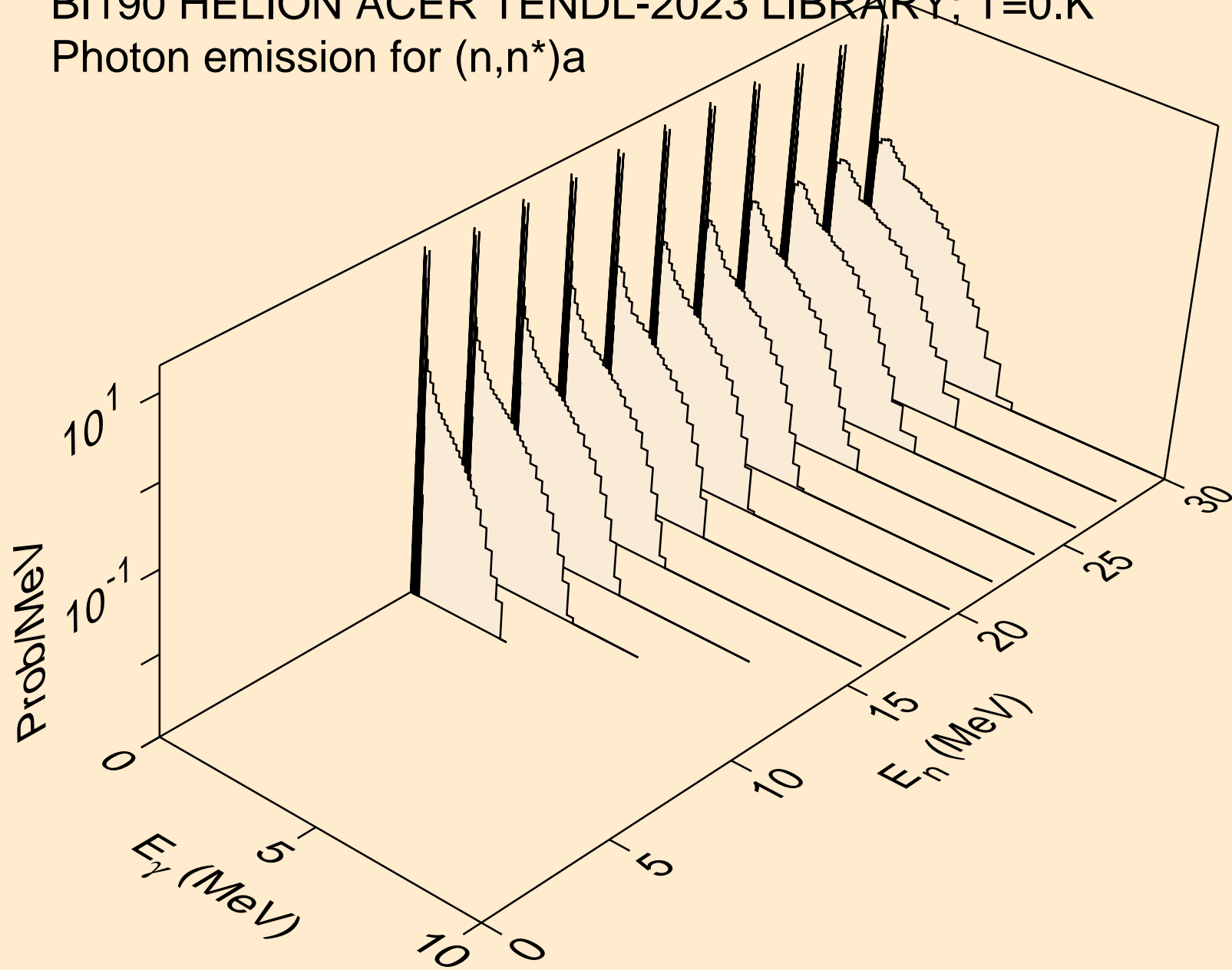
Photon emission for (z,x)



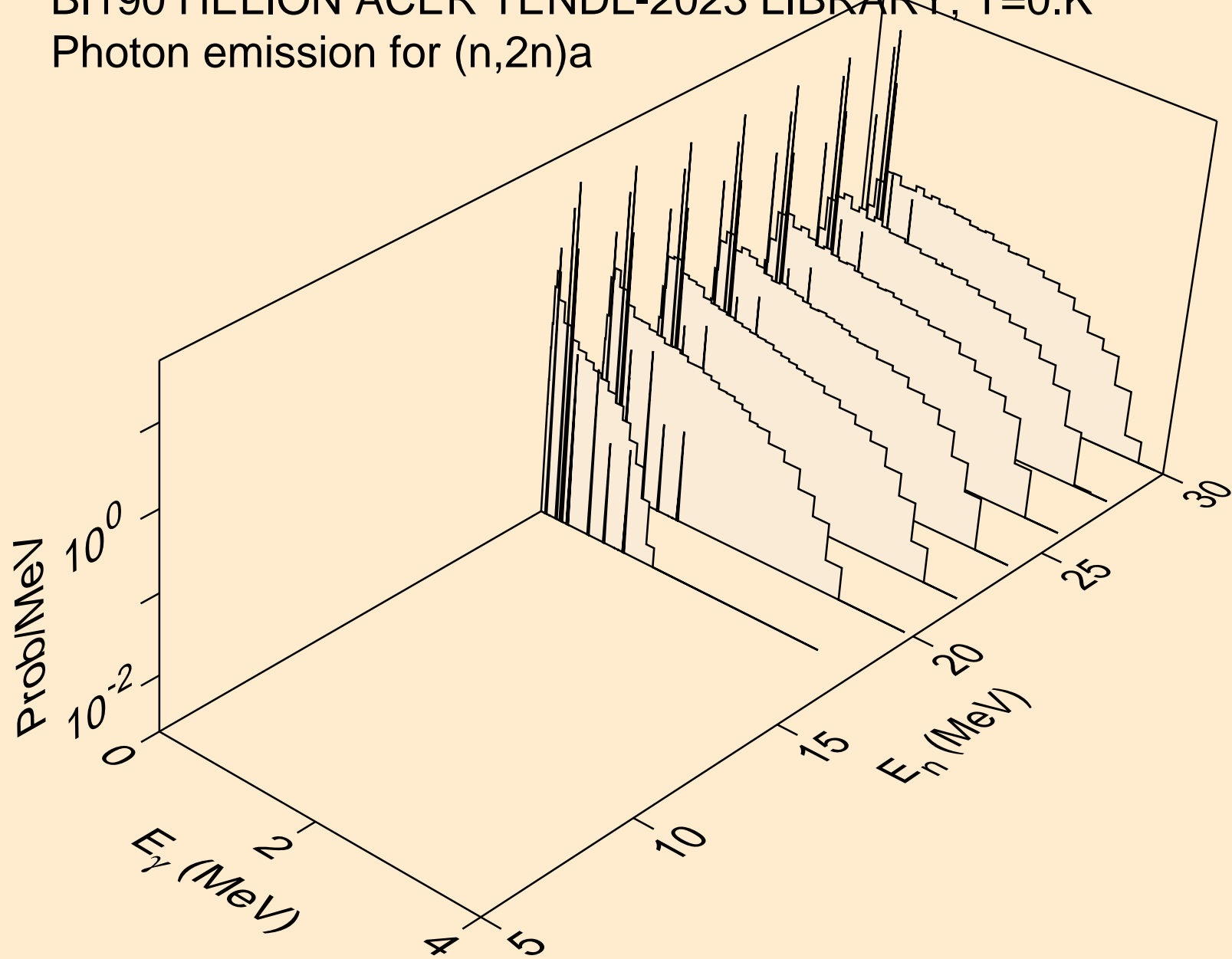
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



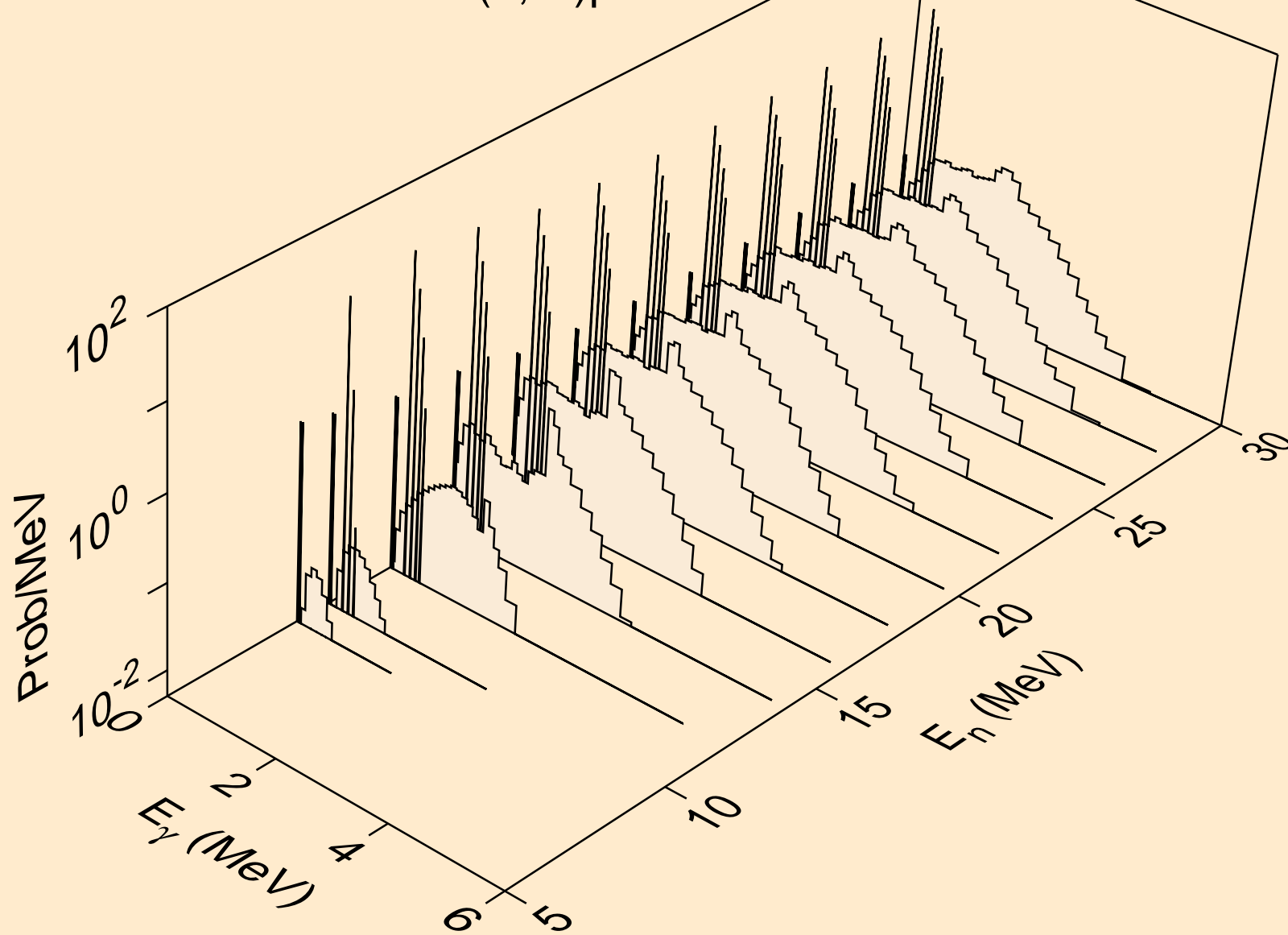
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



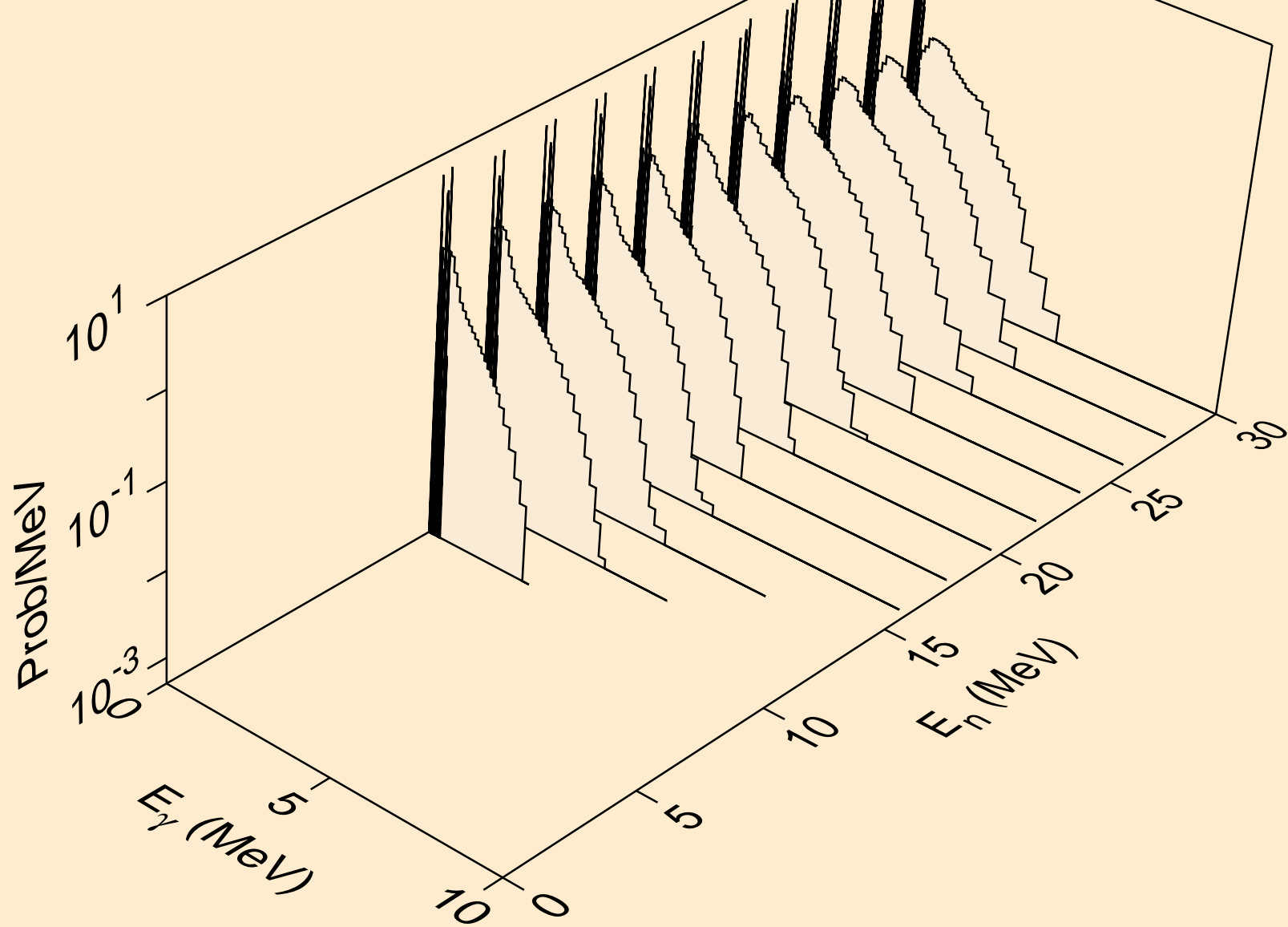
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



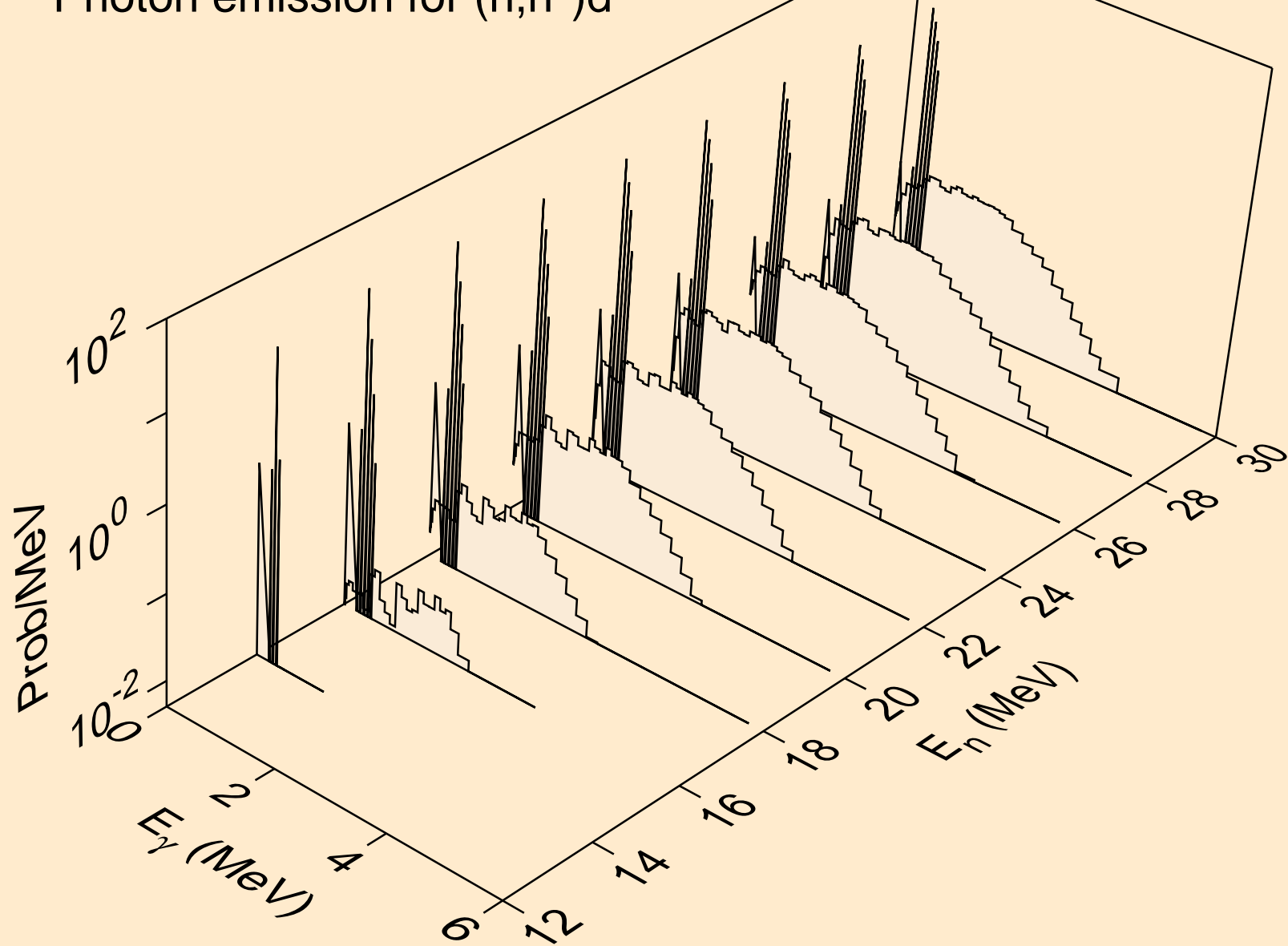
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

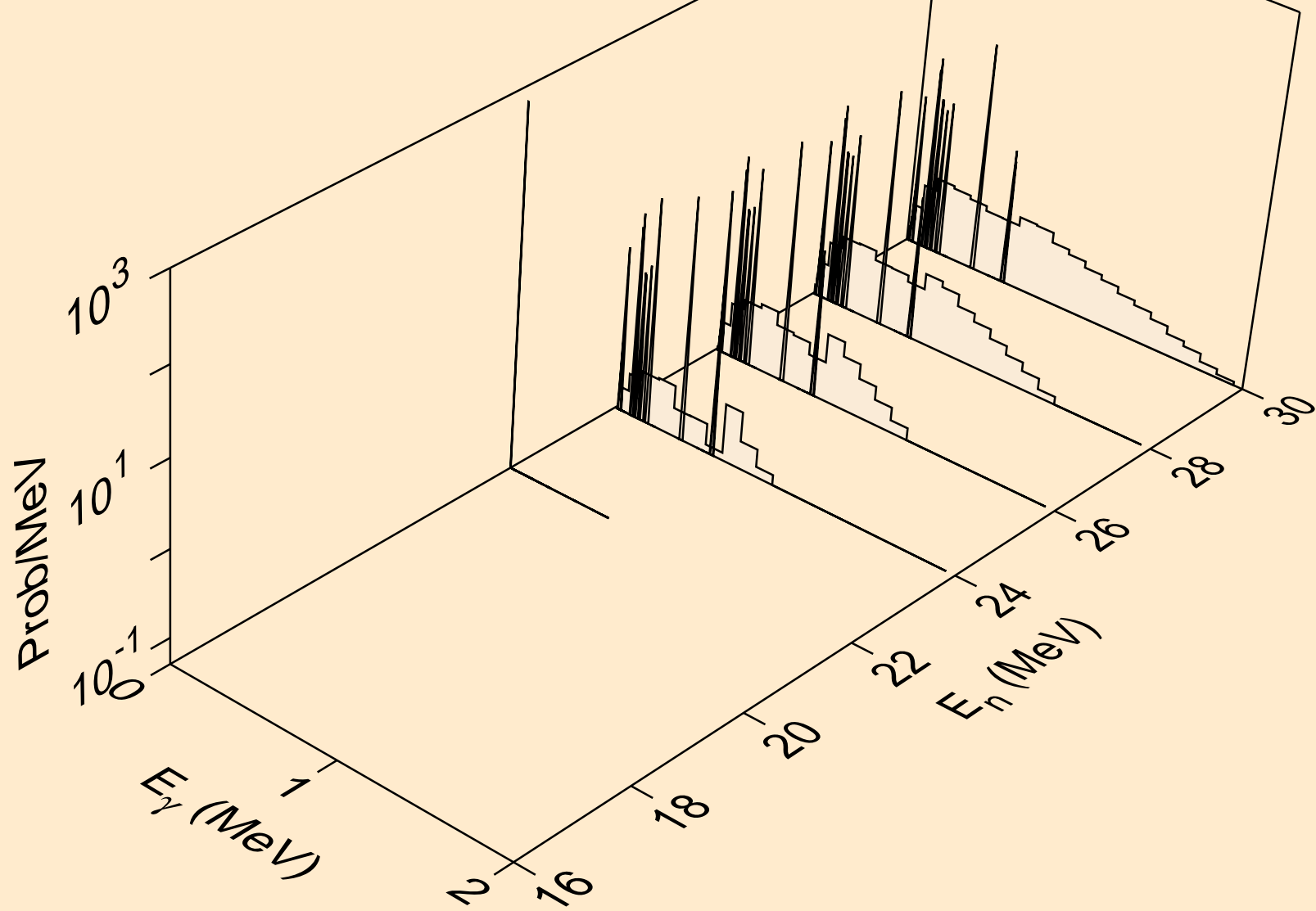


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

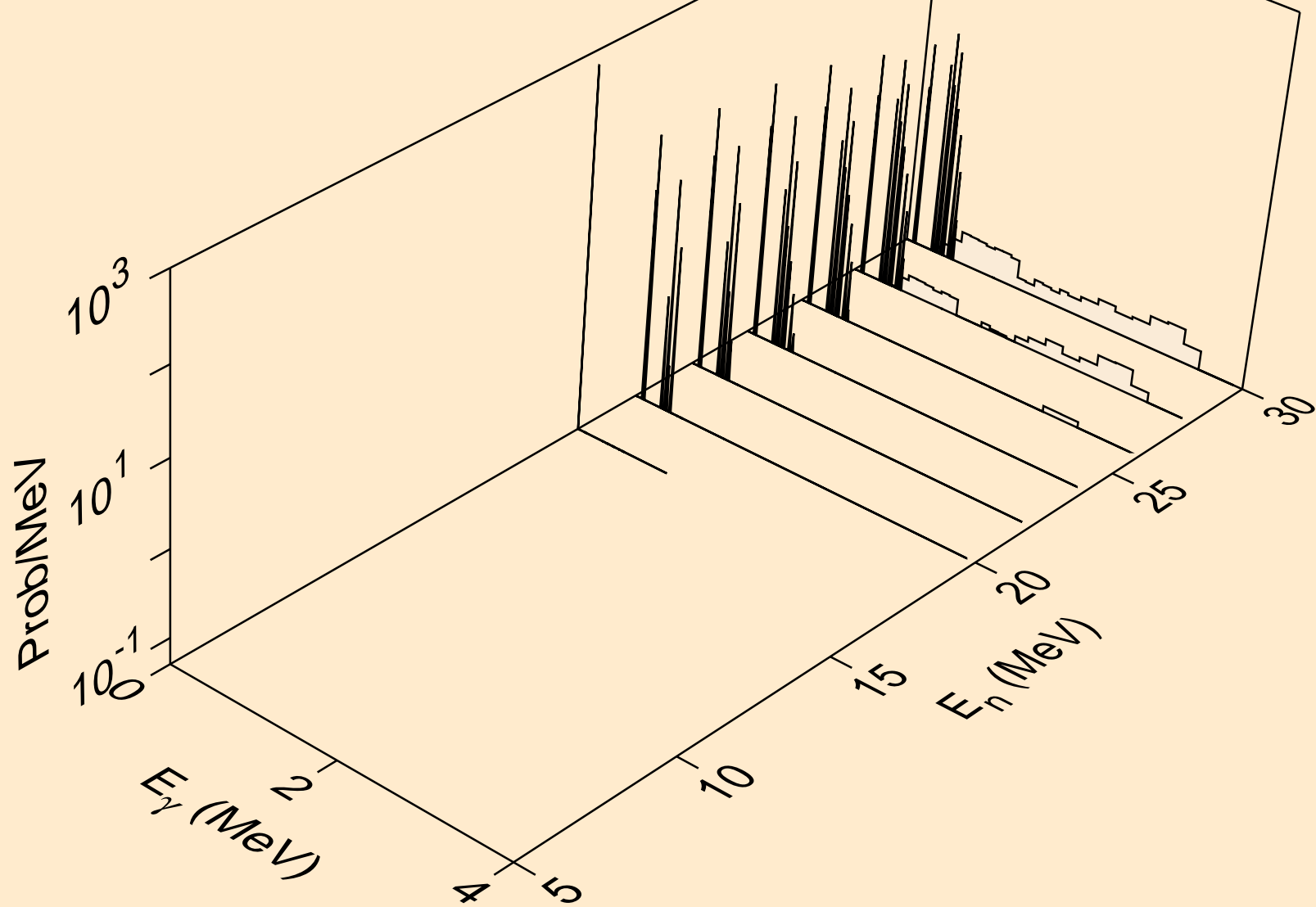




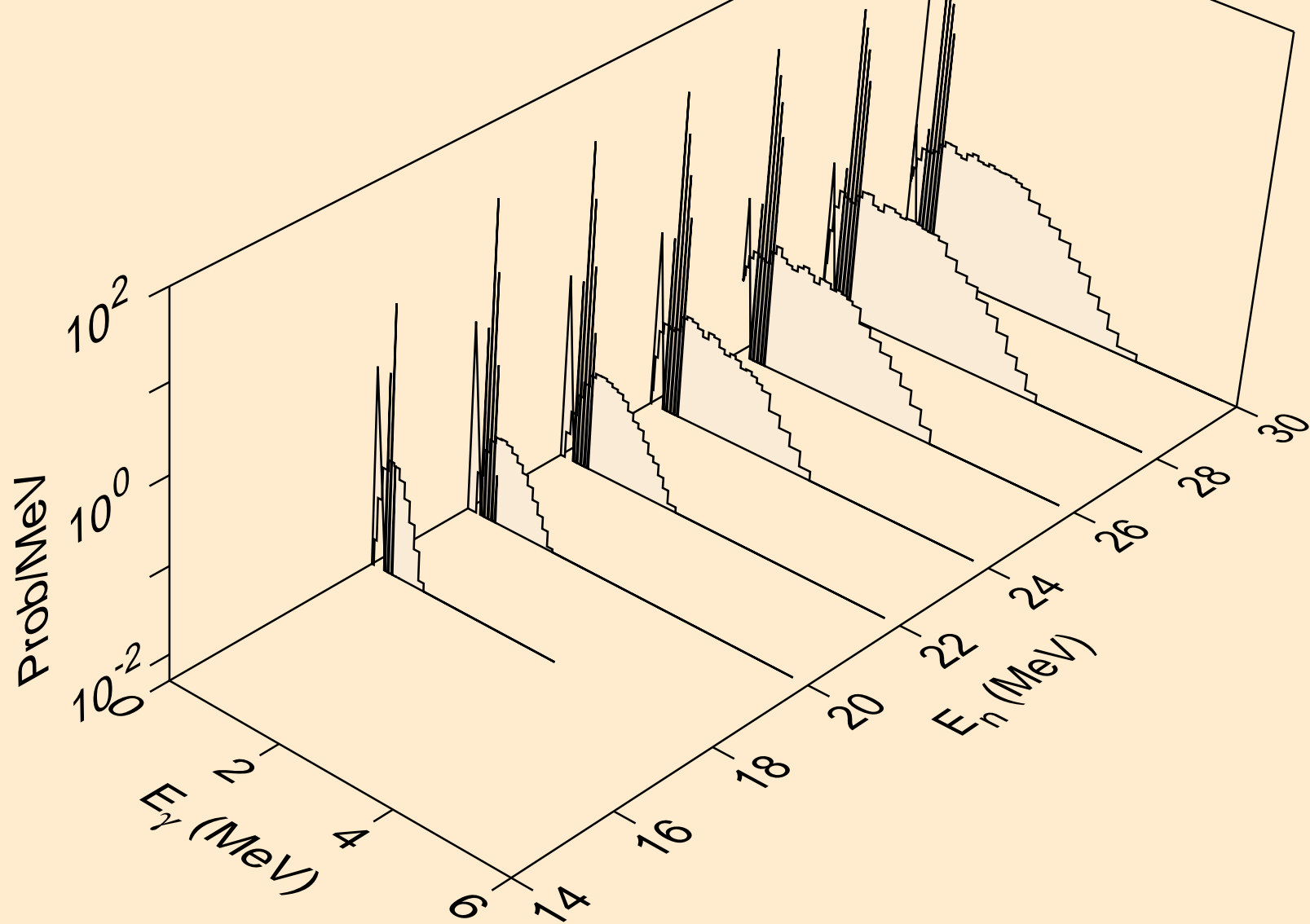
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



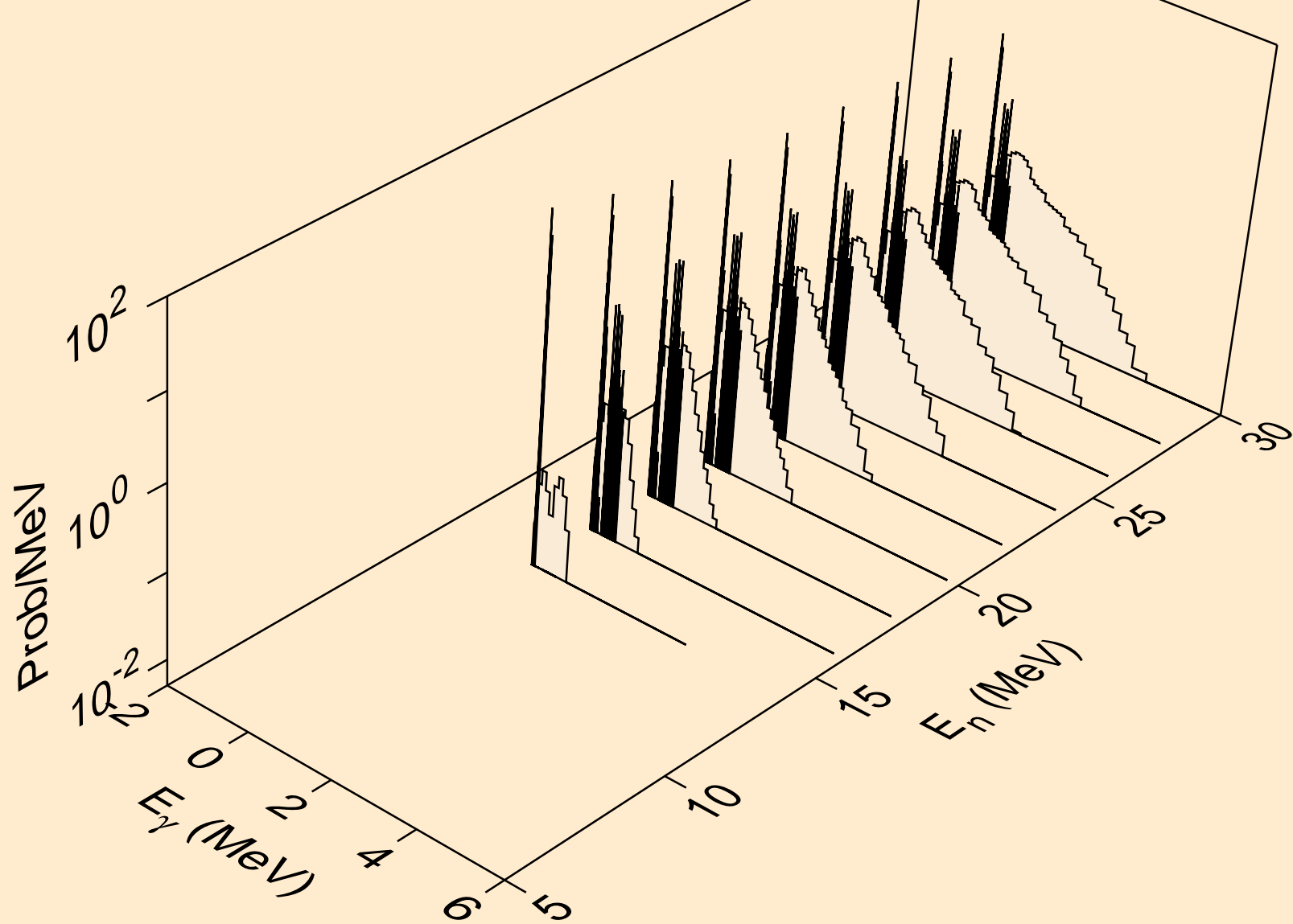
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



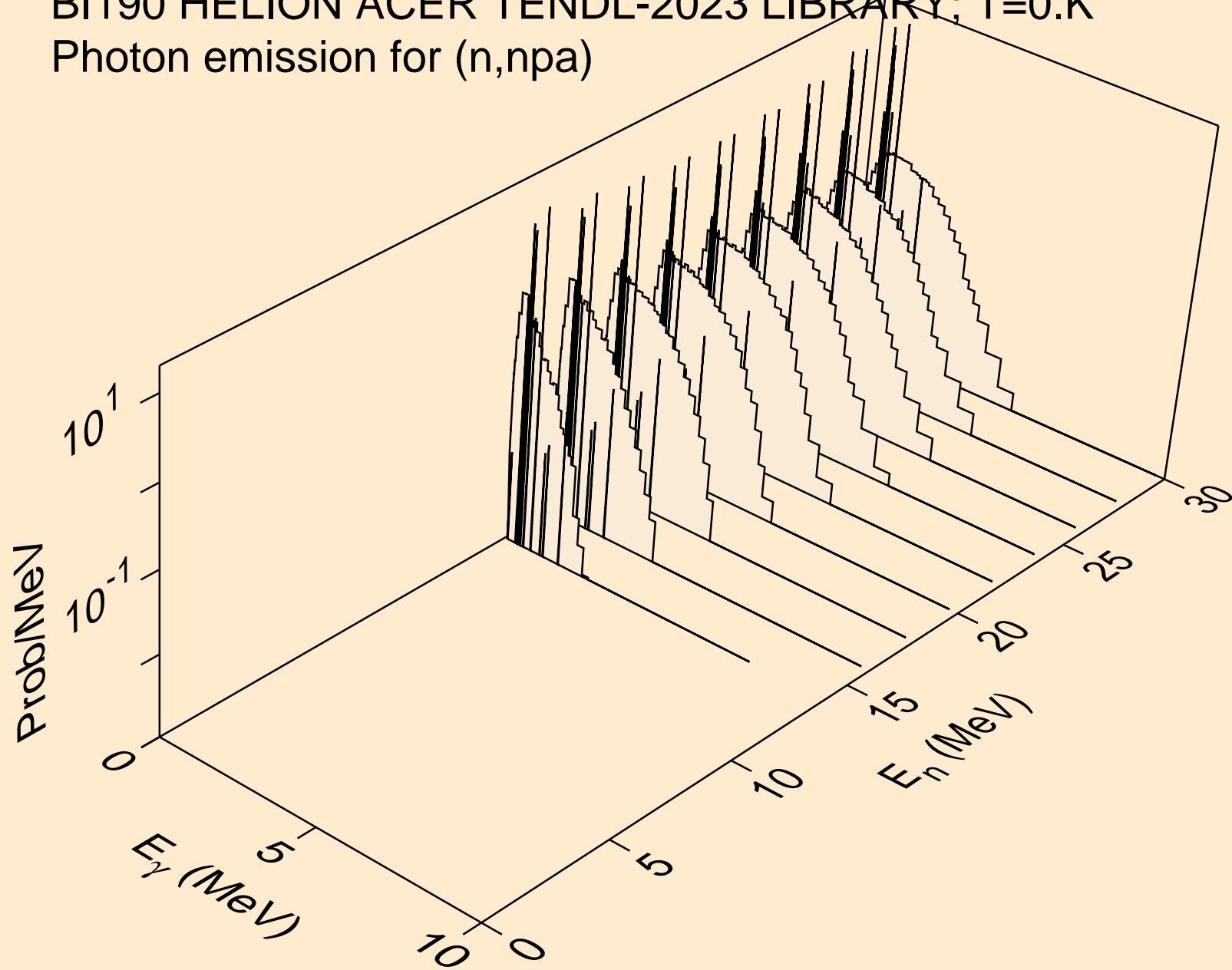
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



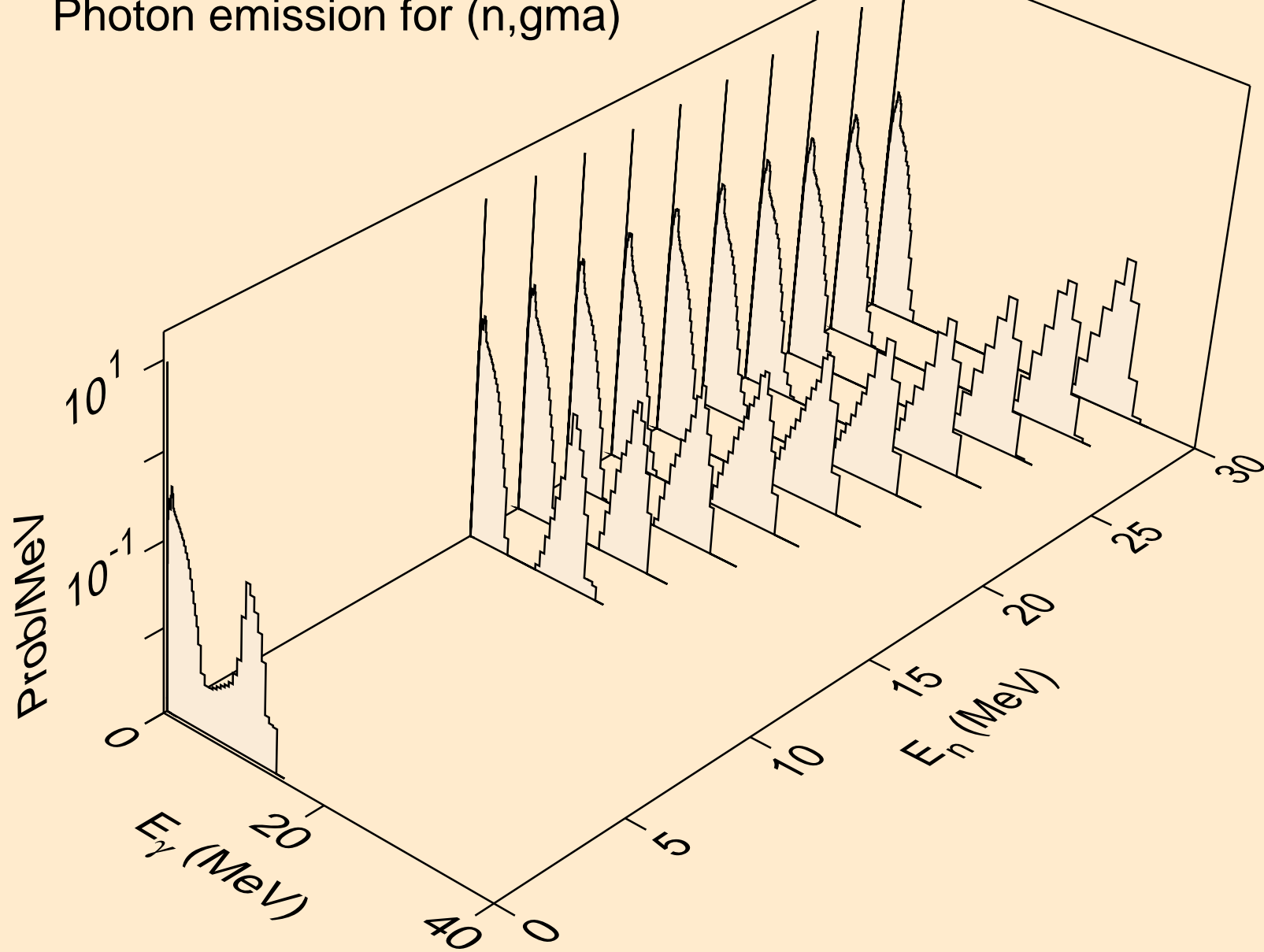
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Photon emission for (n,n2p)



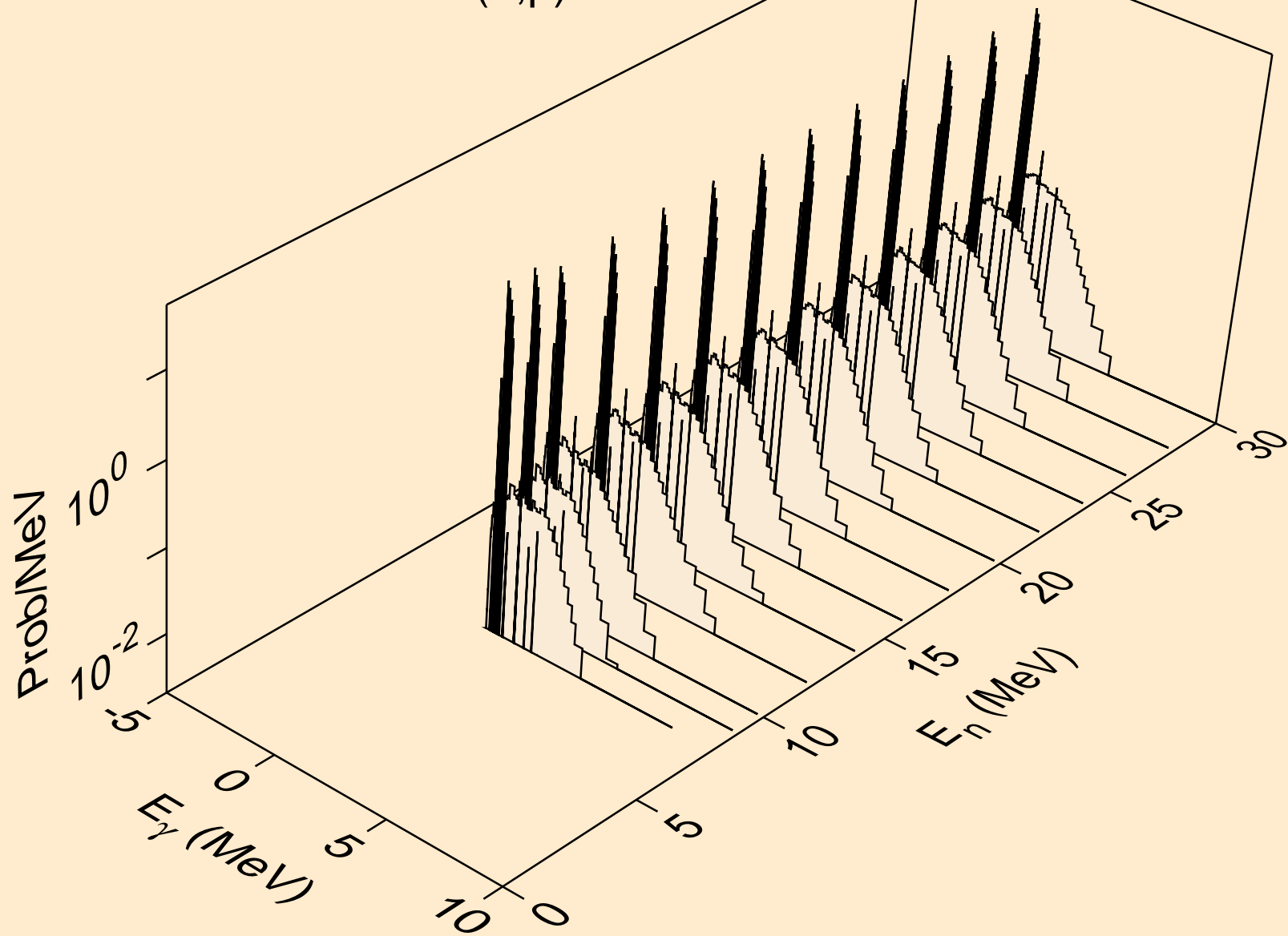
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Photon emission for (n,npa)



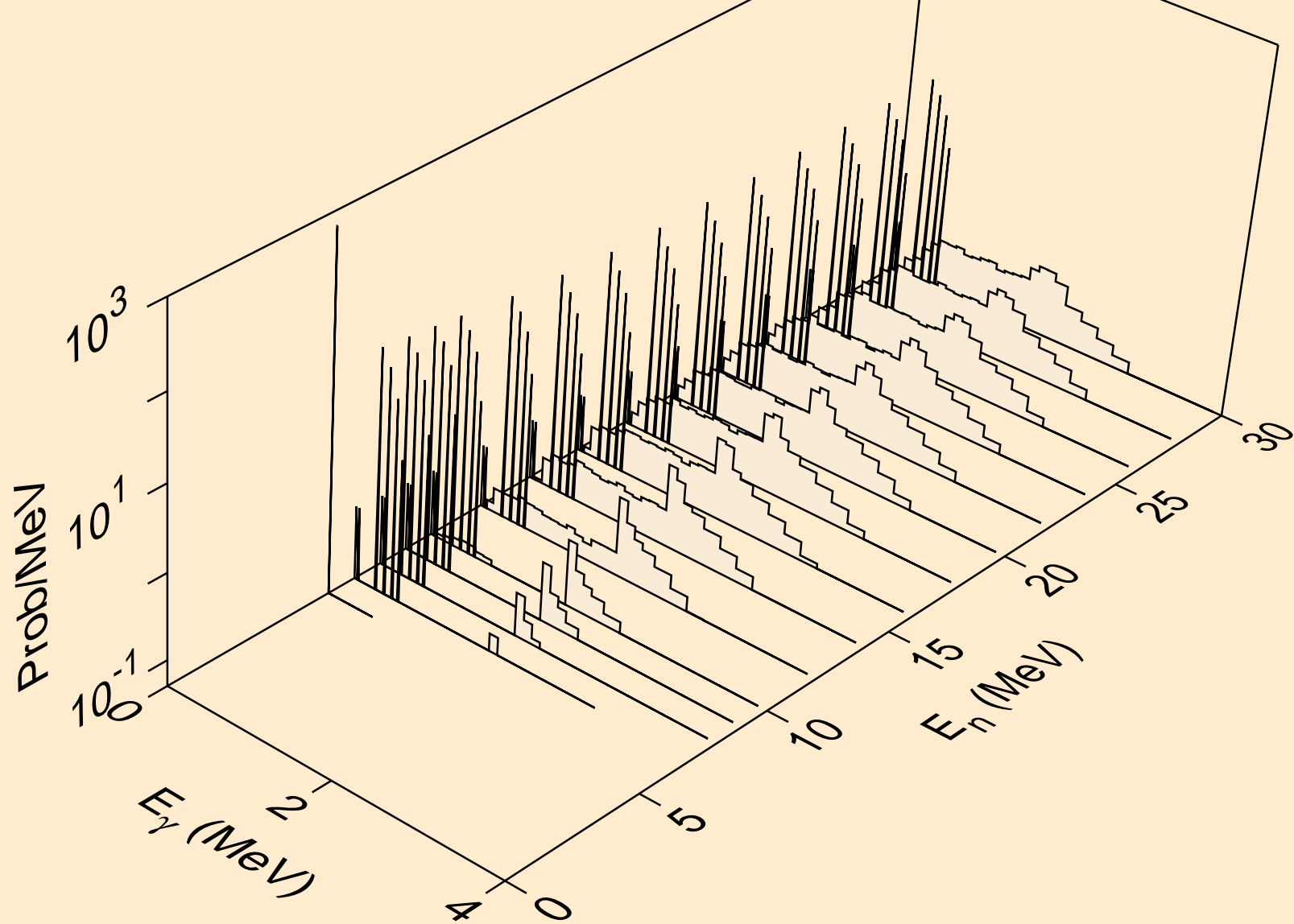
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

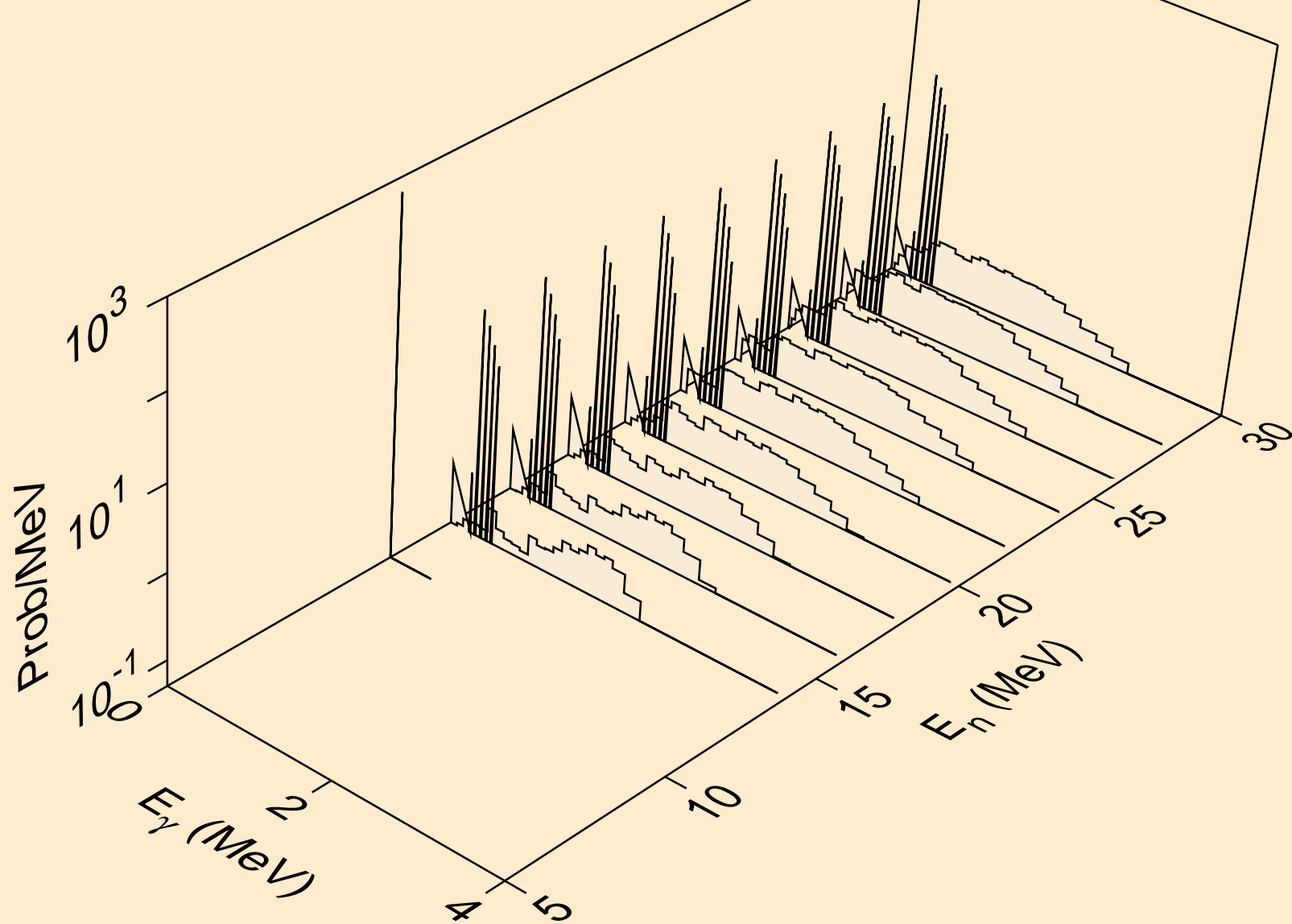


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

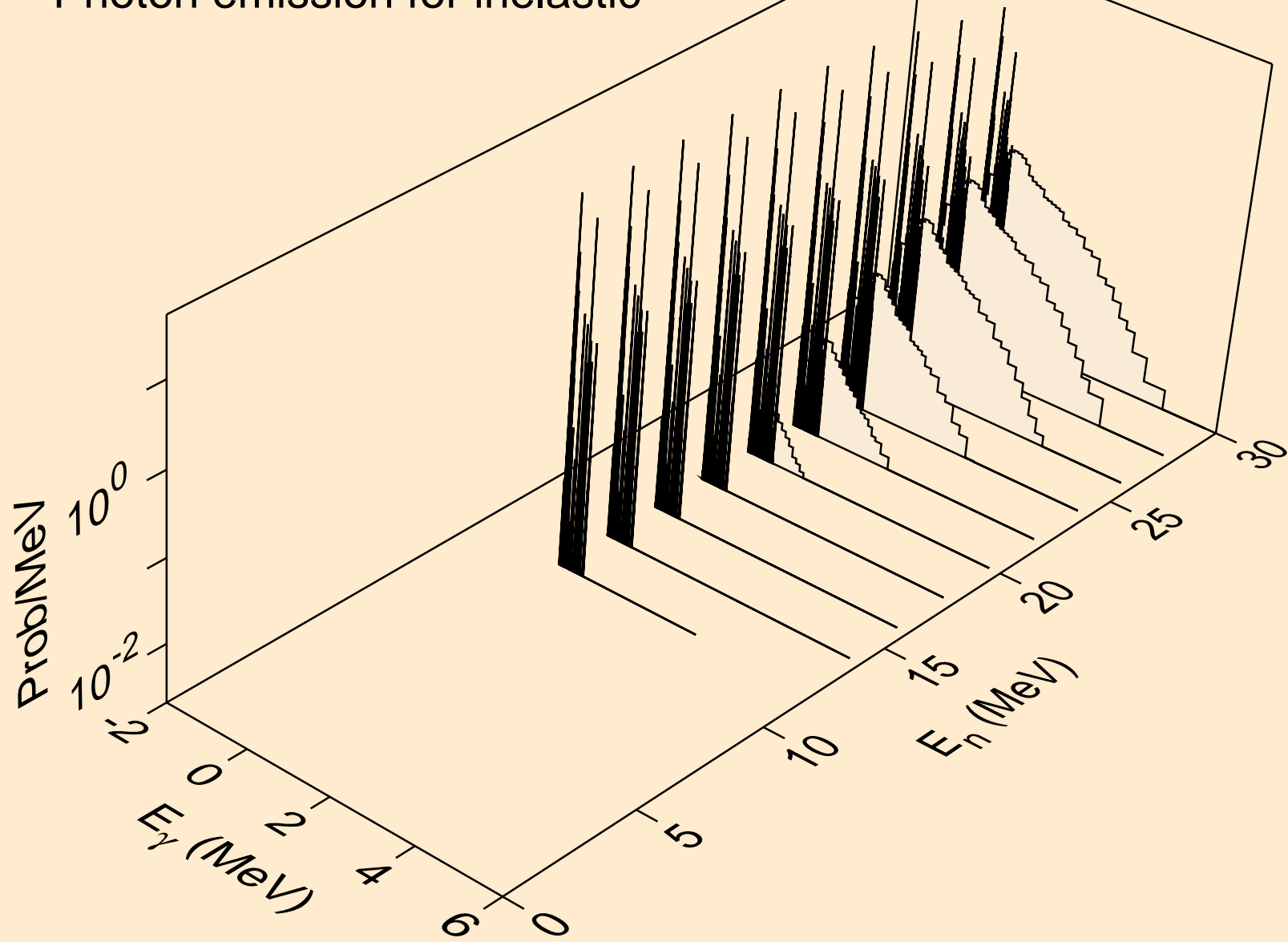




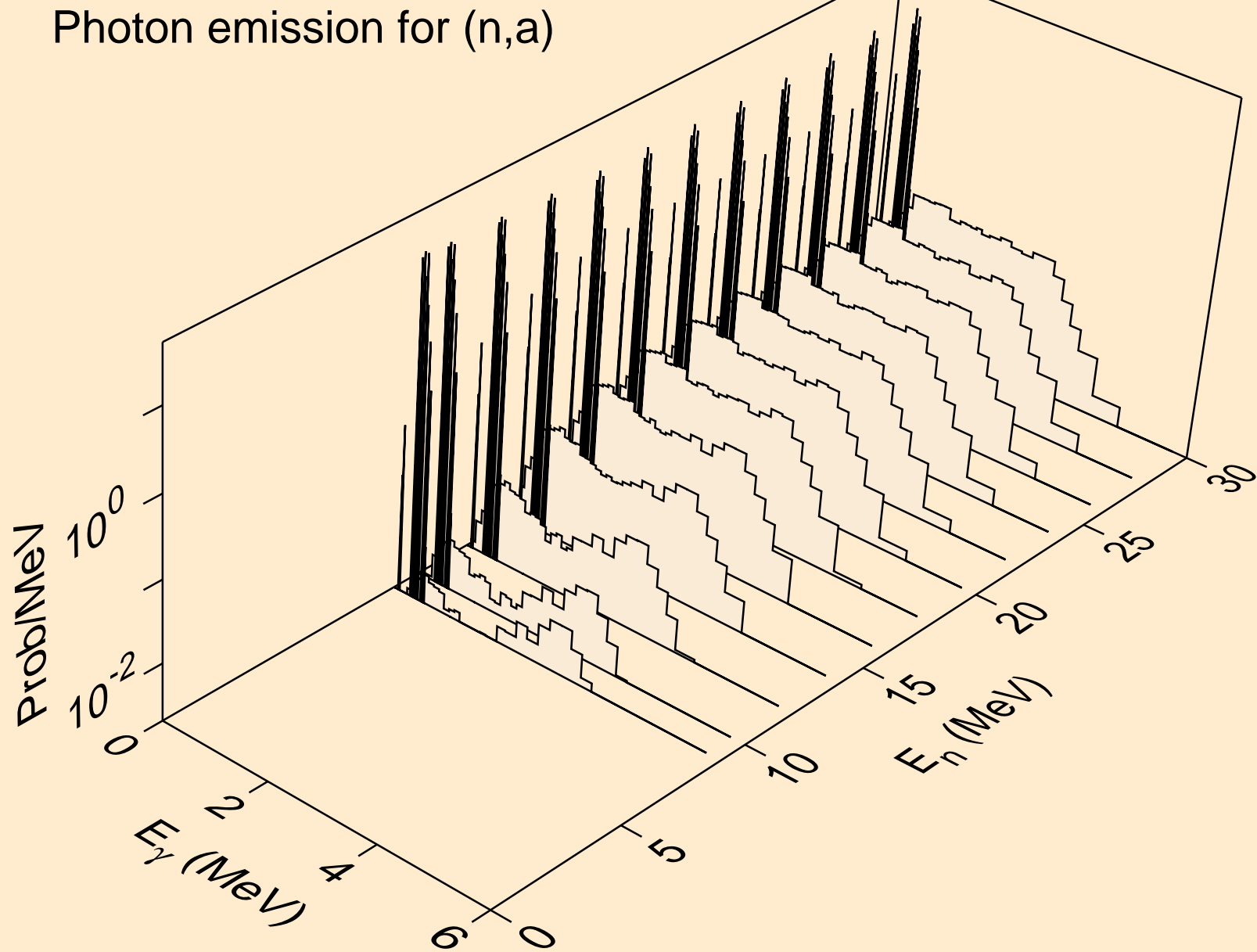
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Photon emission for (n,t)



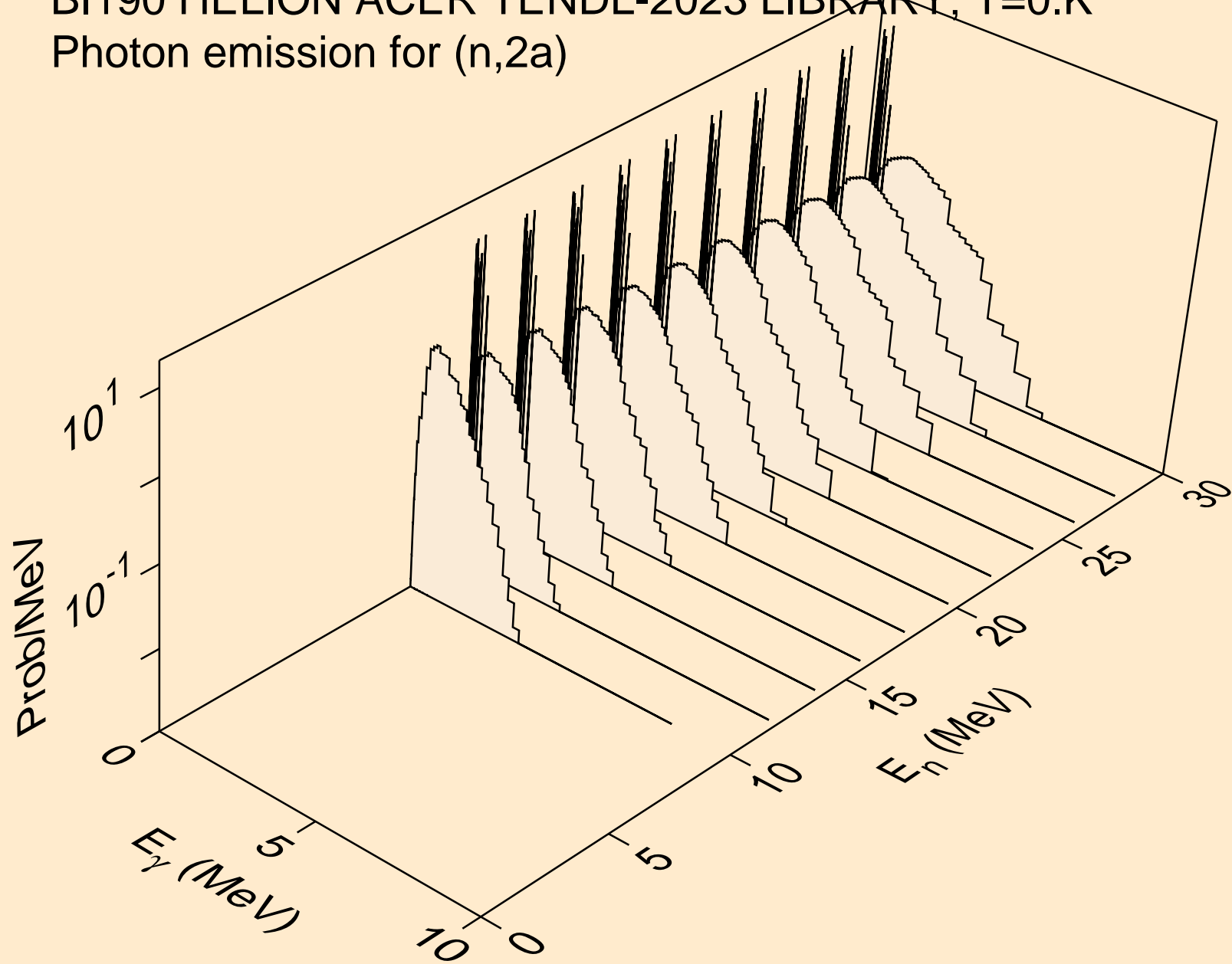
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



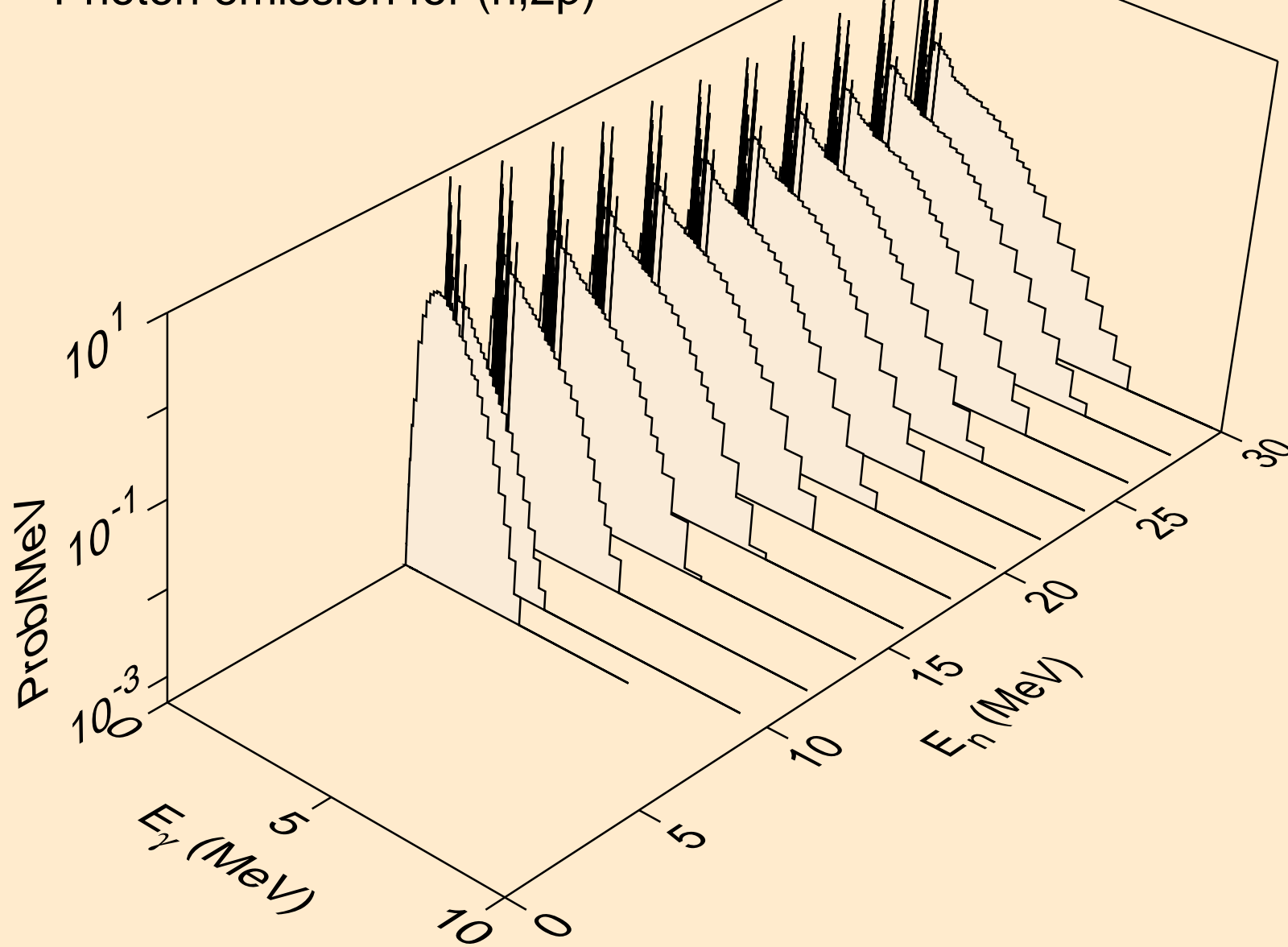
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Photon emission for (n,a)



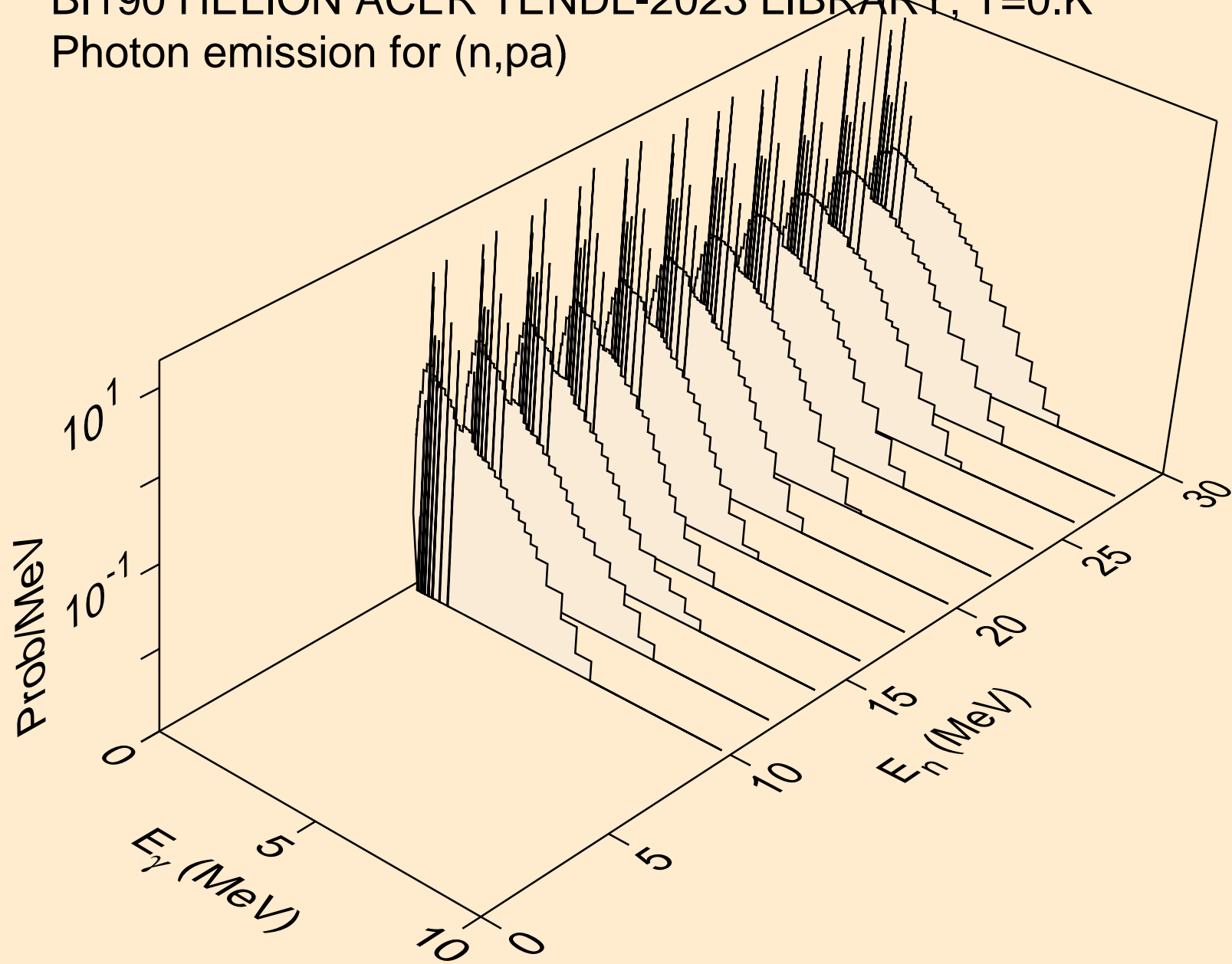
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Photon emission for (n,2a)



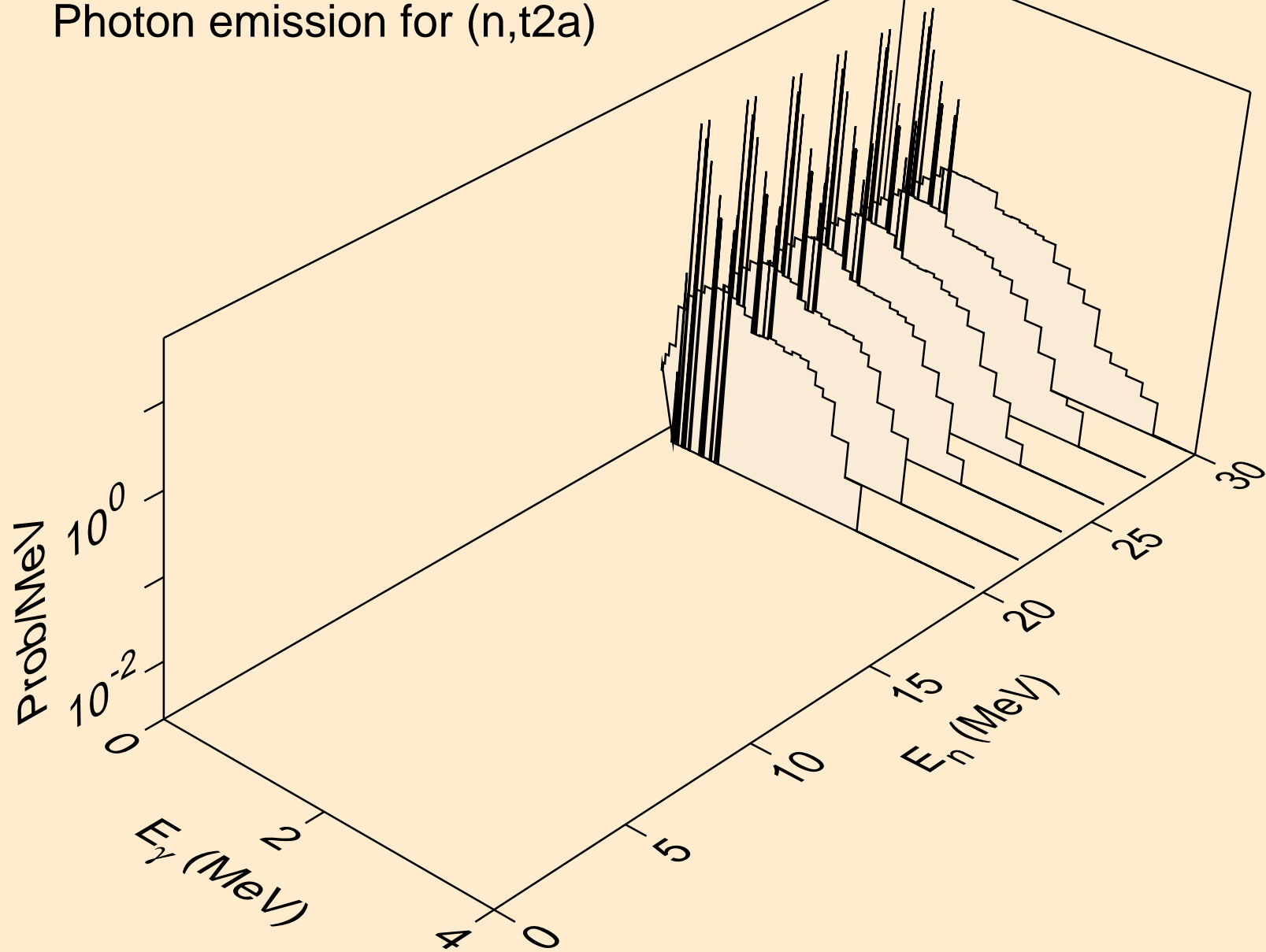
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Photon emission for (n,2p)



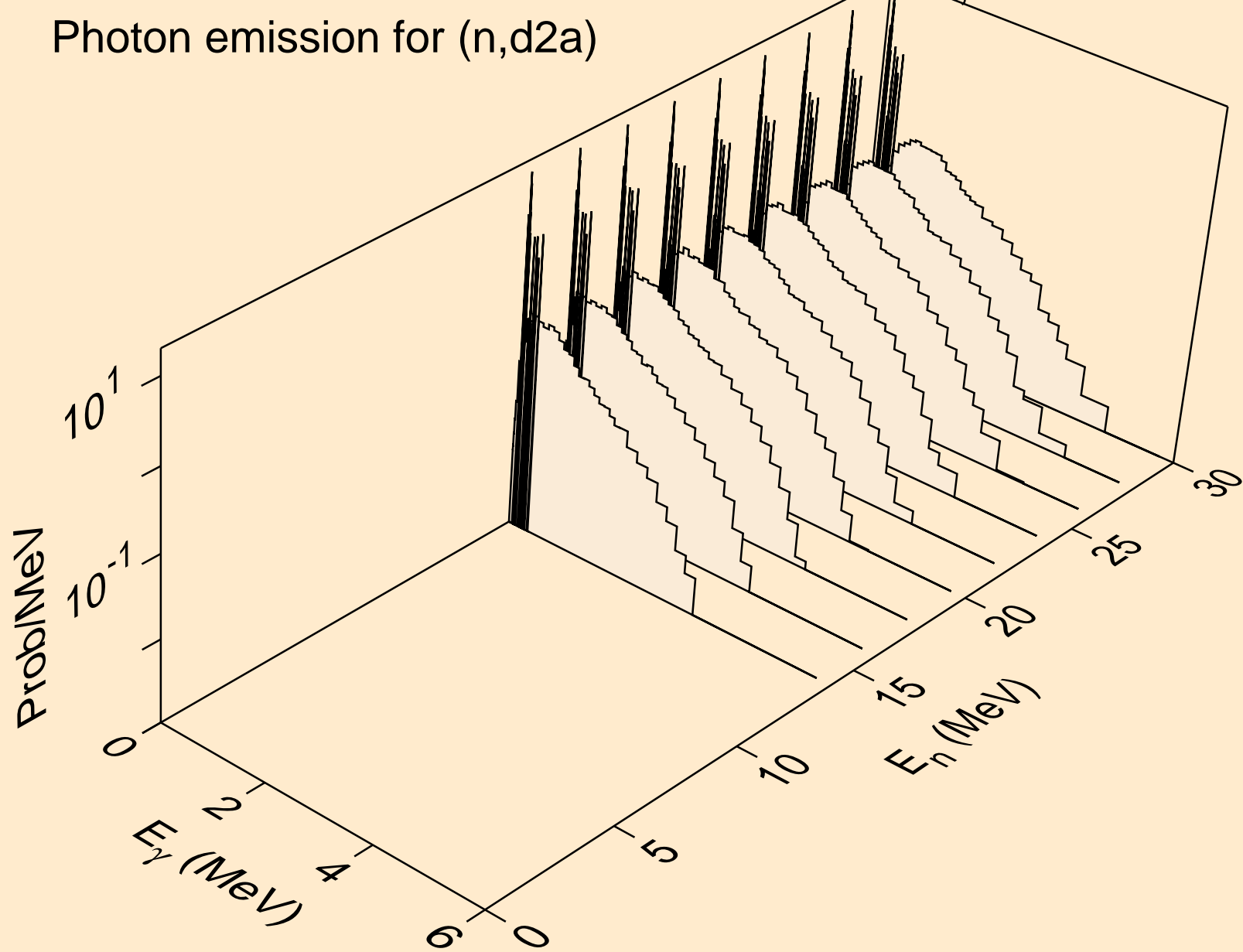
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)

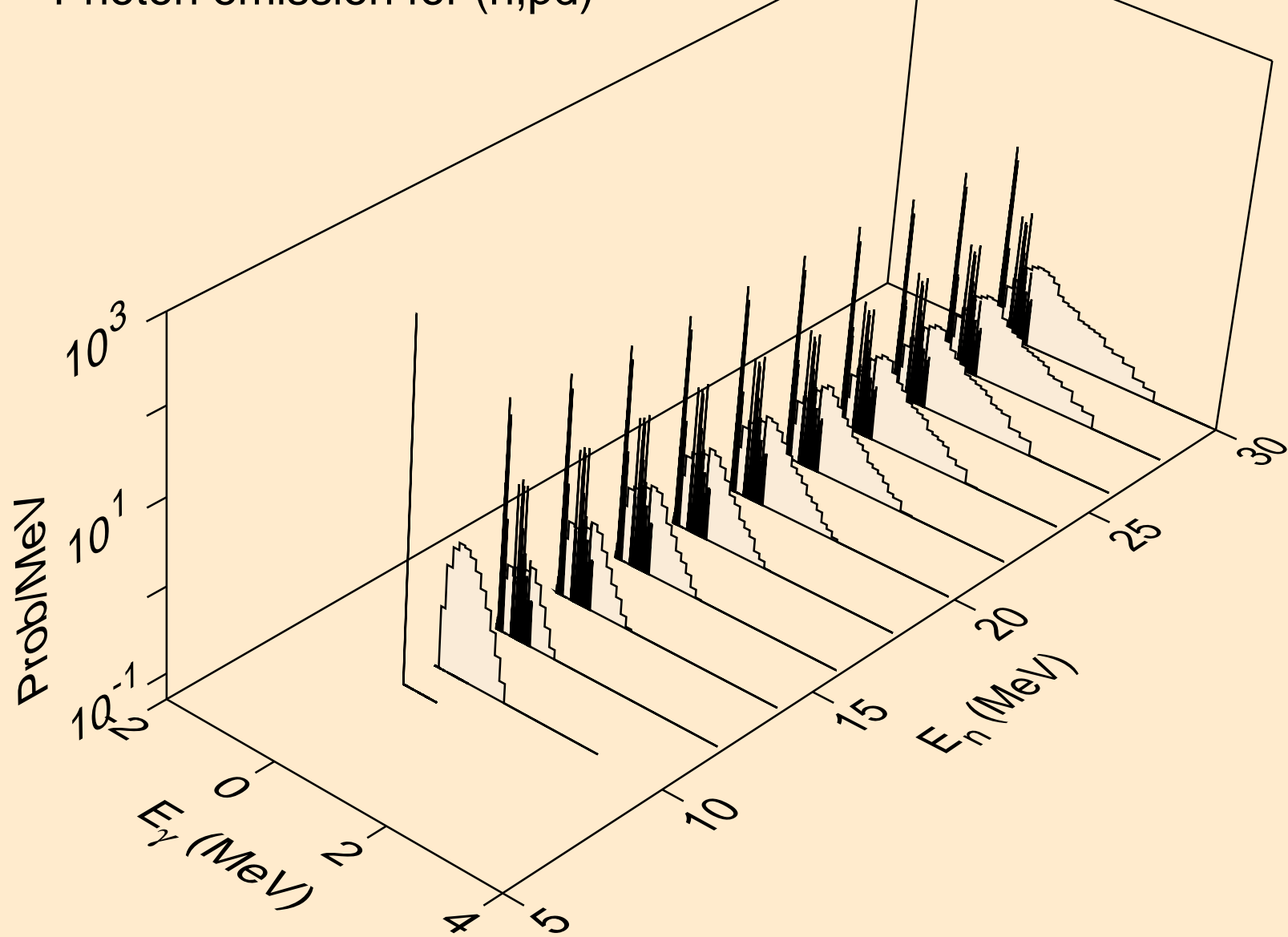


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)

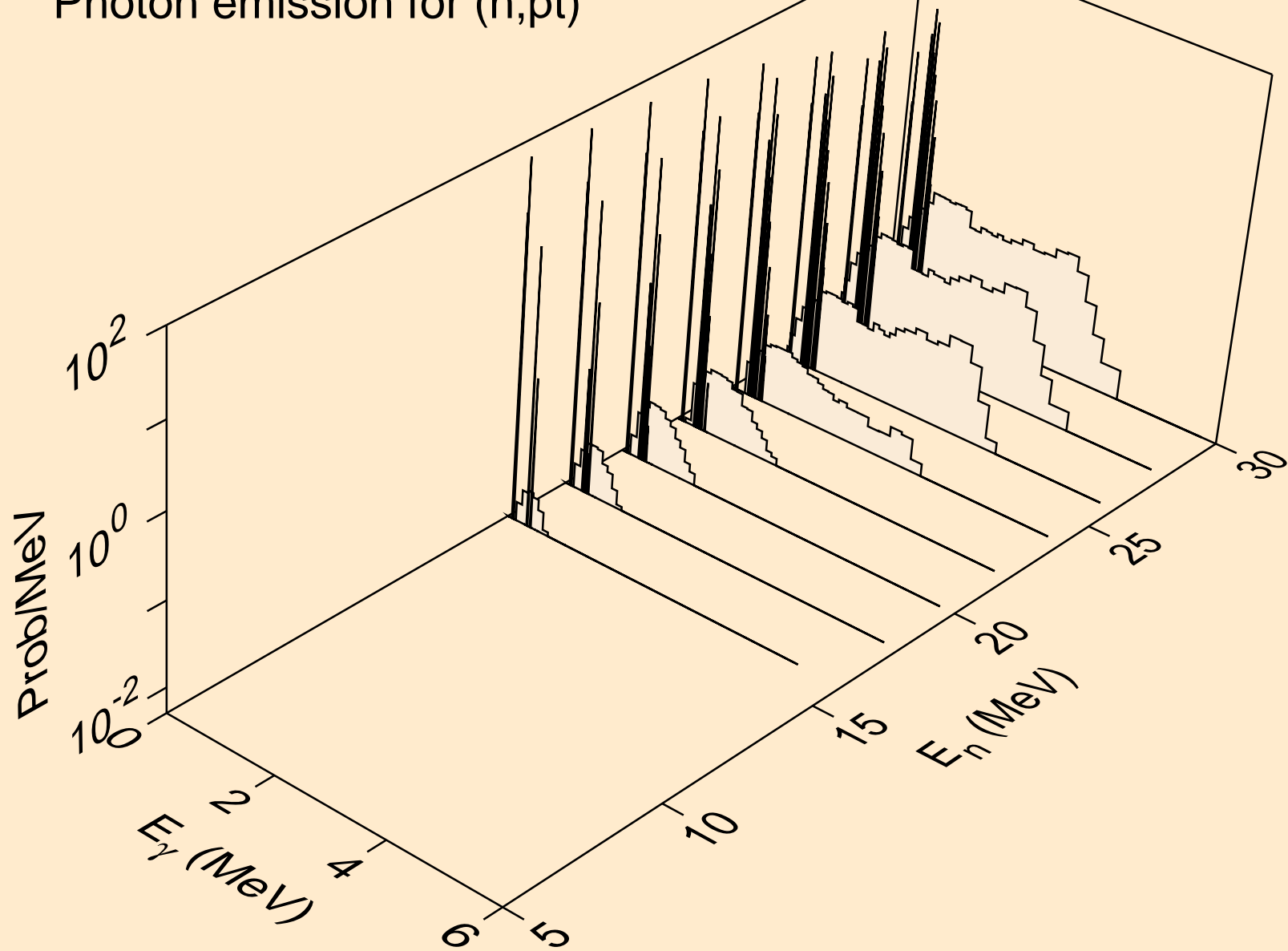




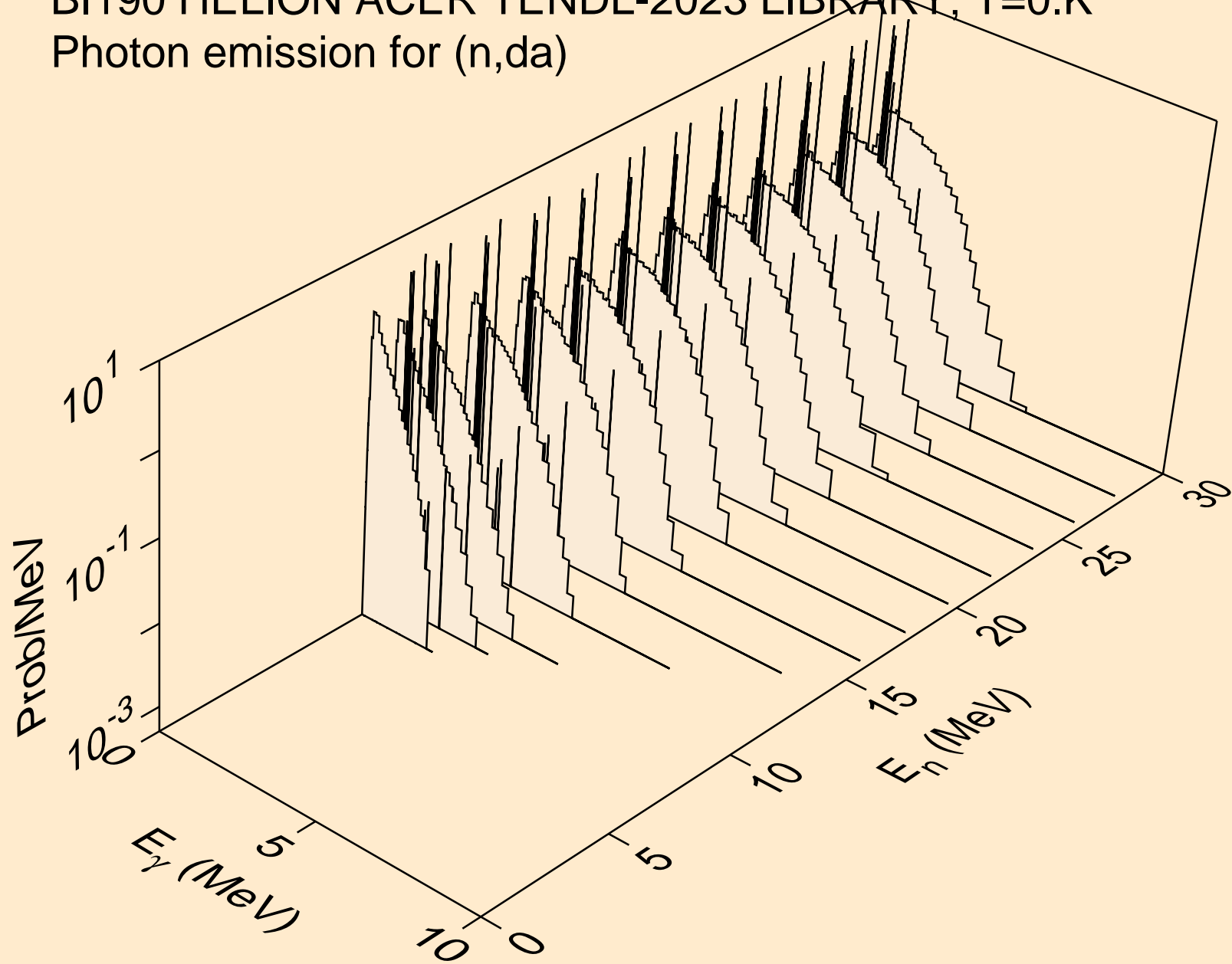
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Photon emission for (n,pd)



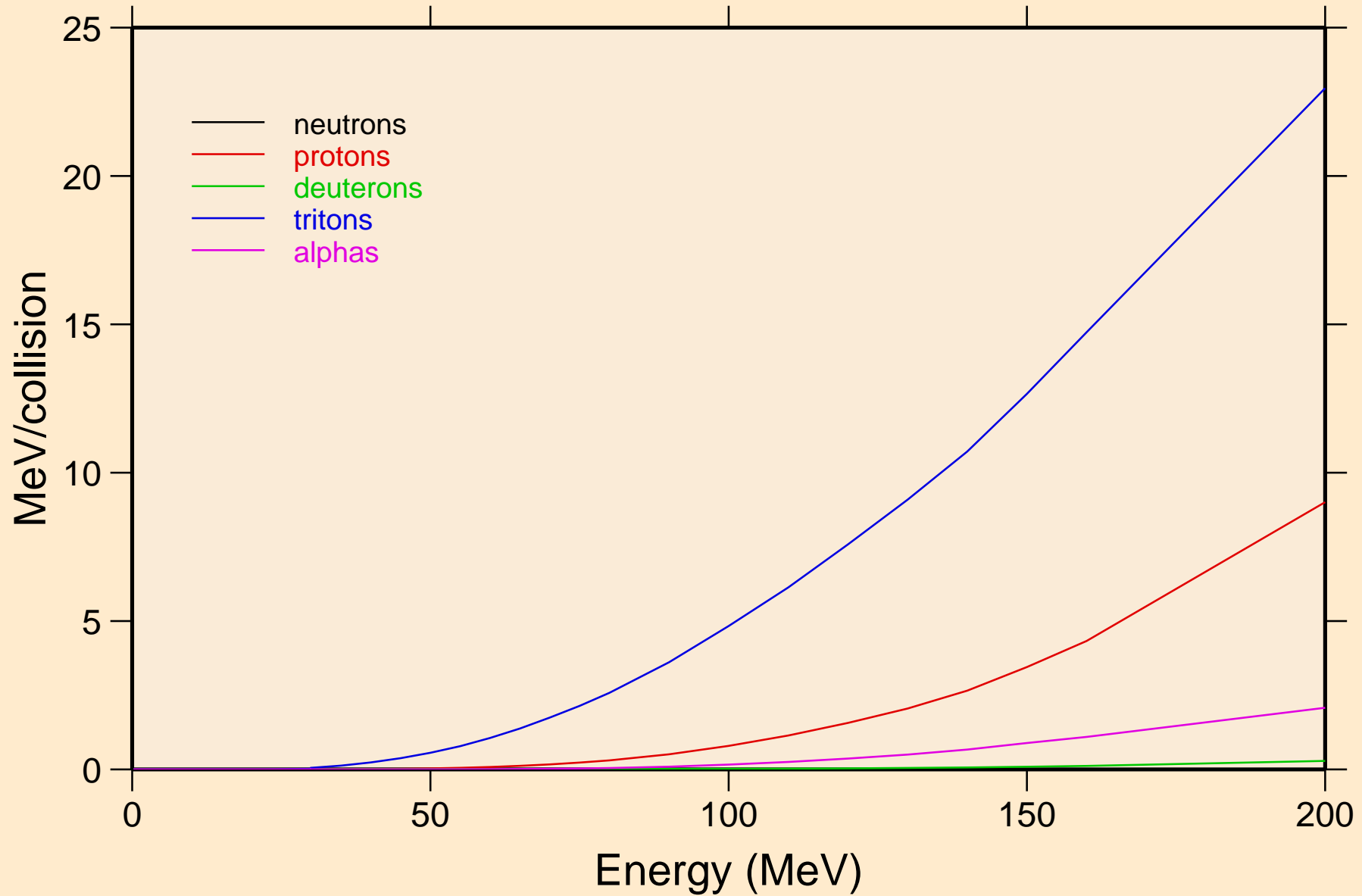
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

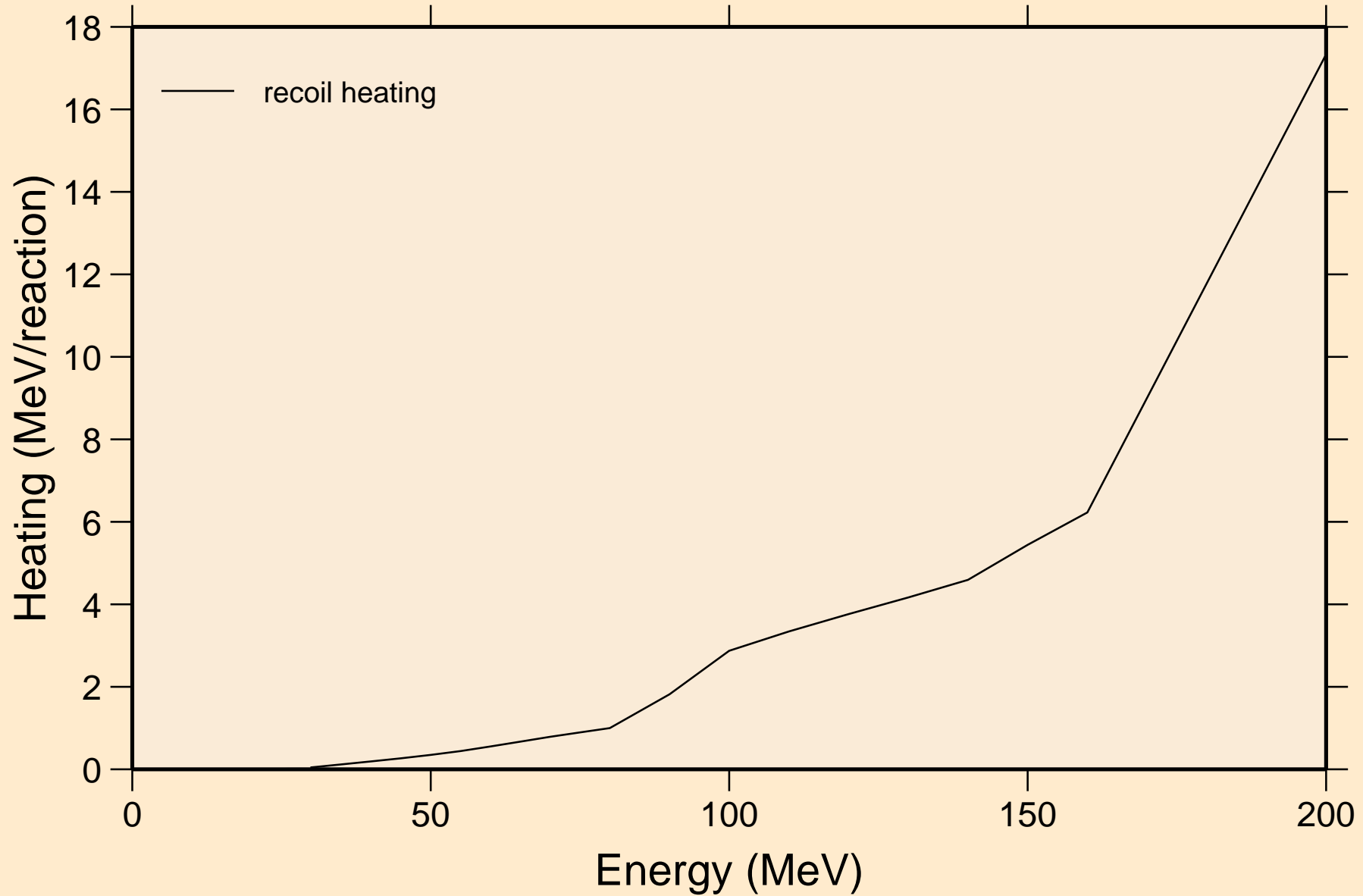


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



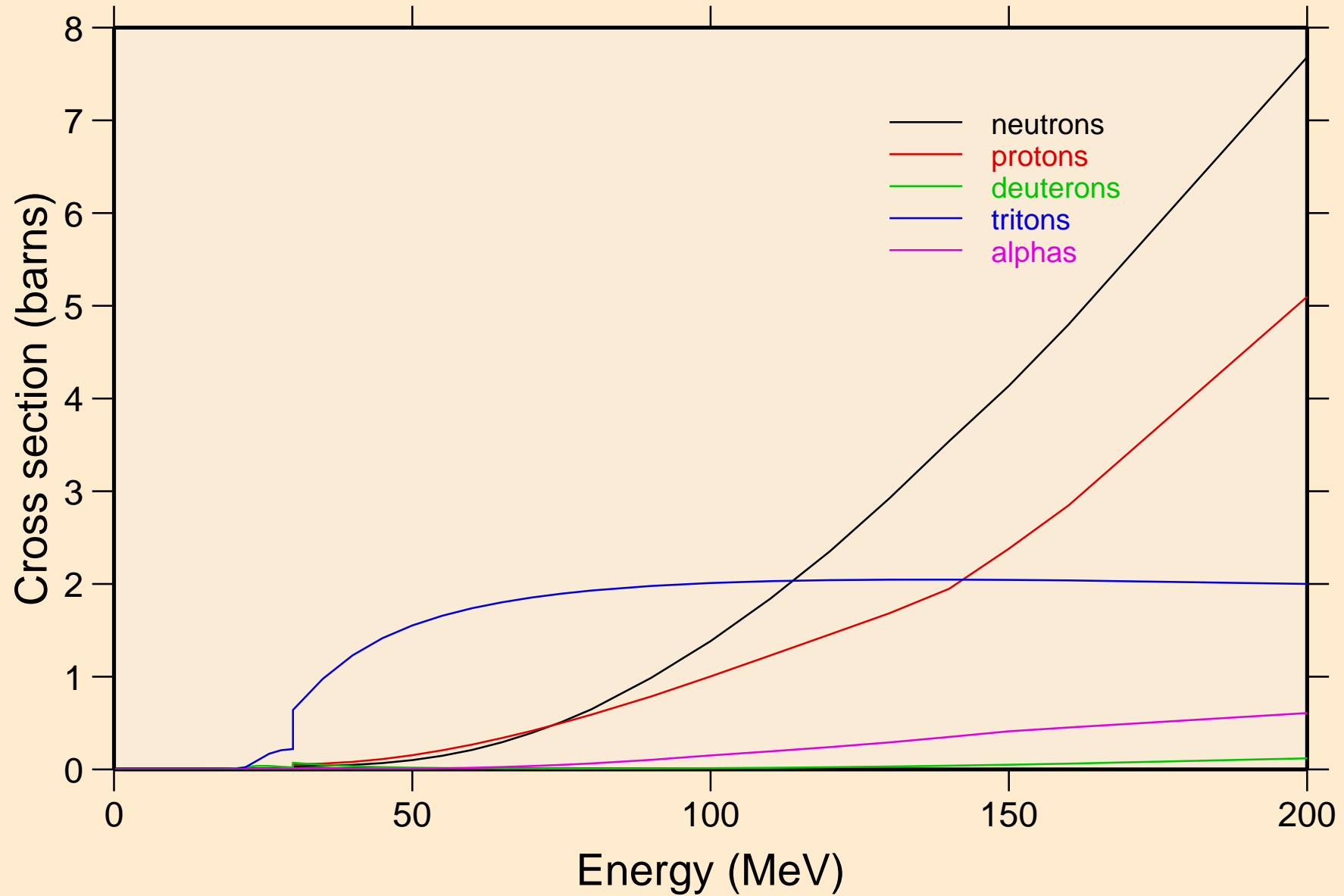
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

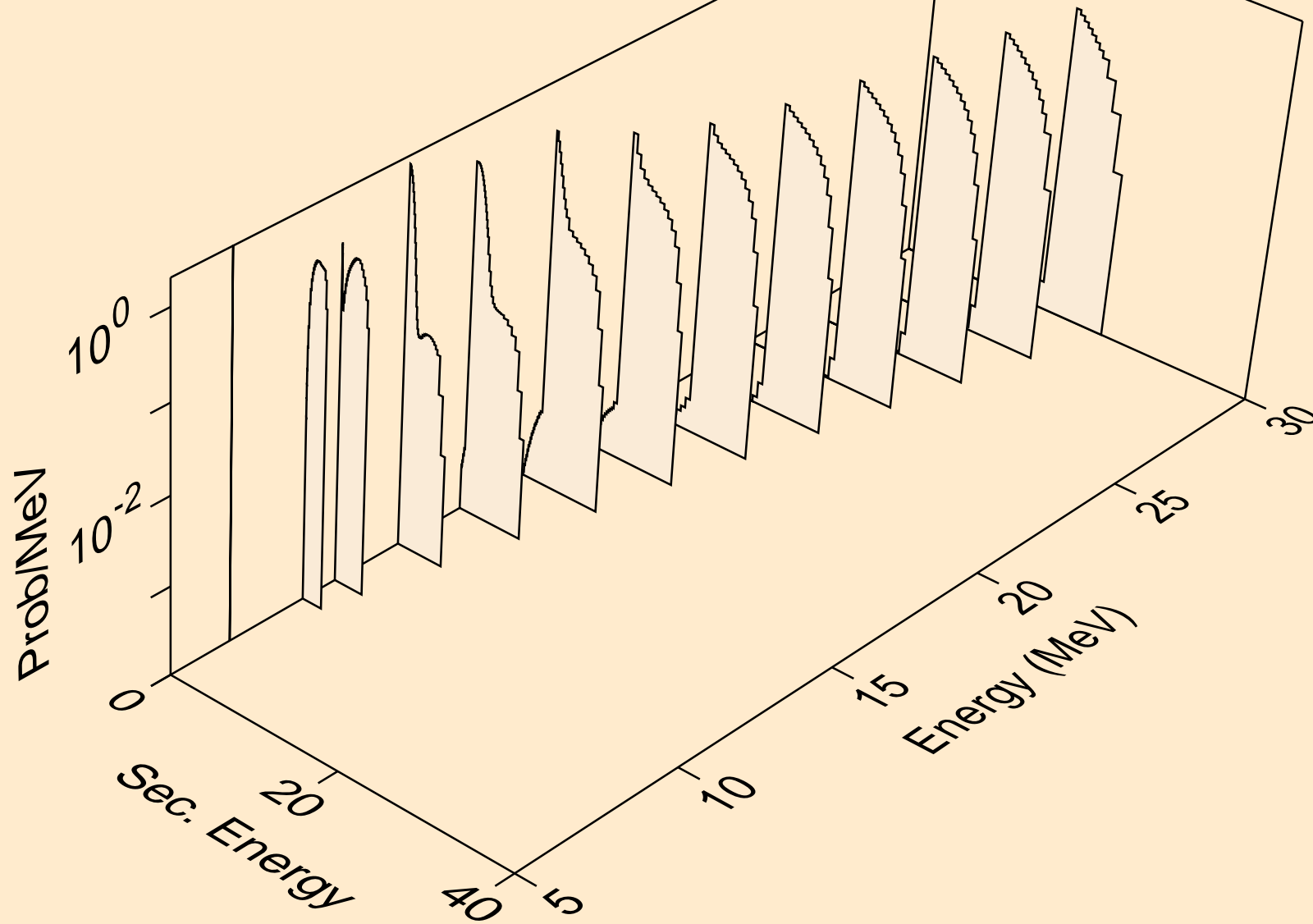


# BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K

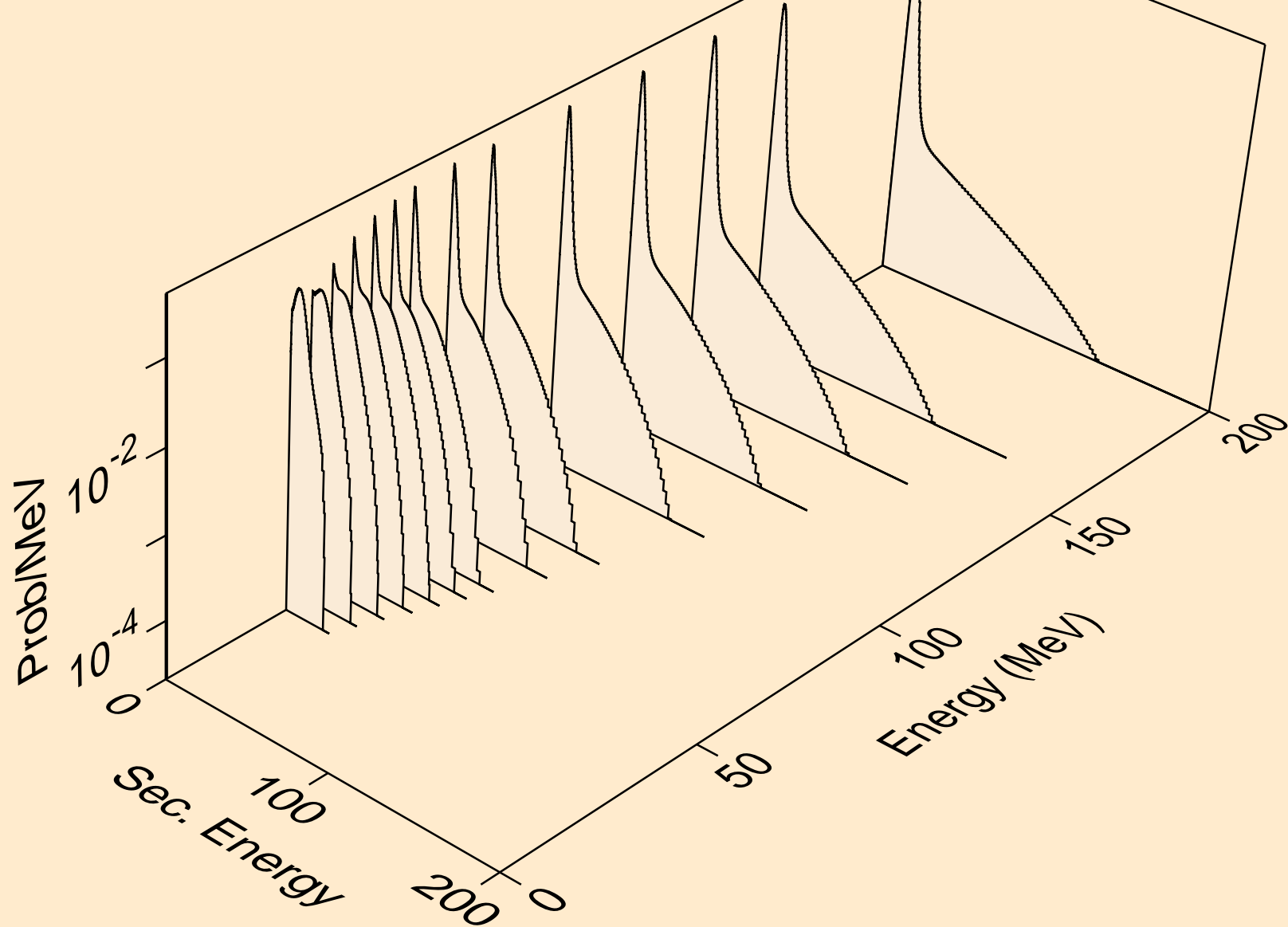
## Particle production cross sections



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)

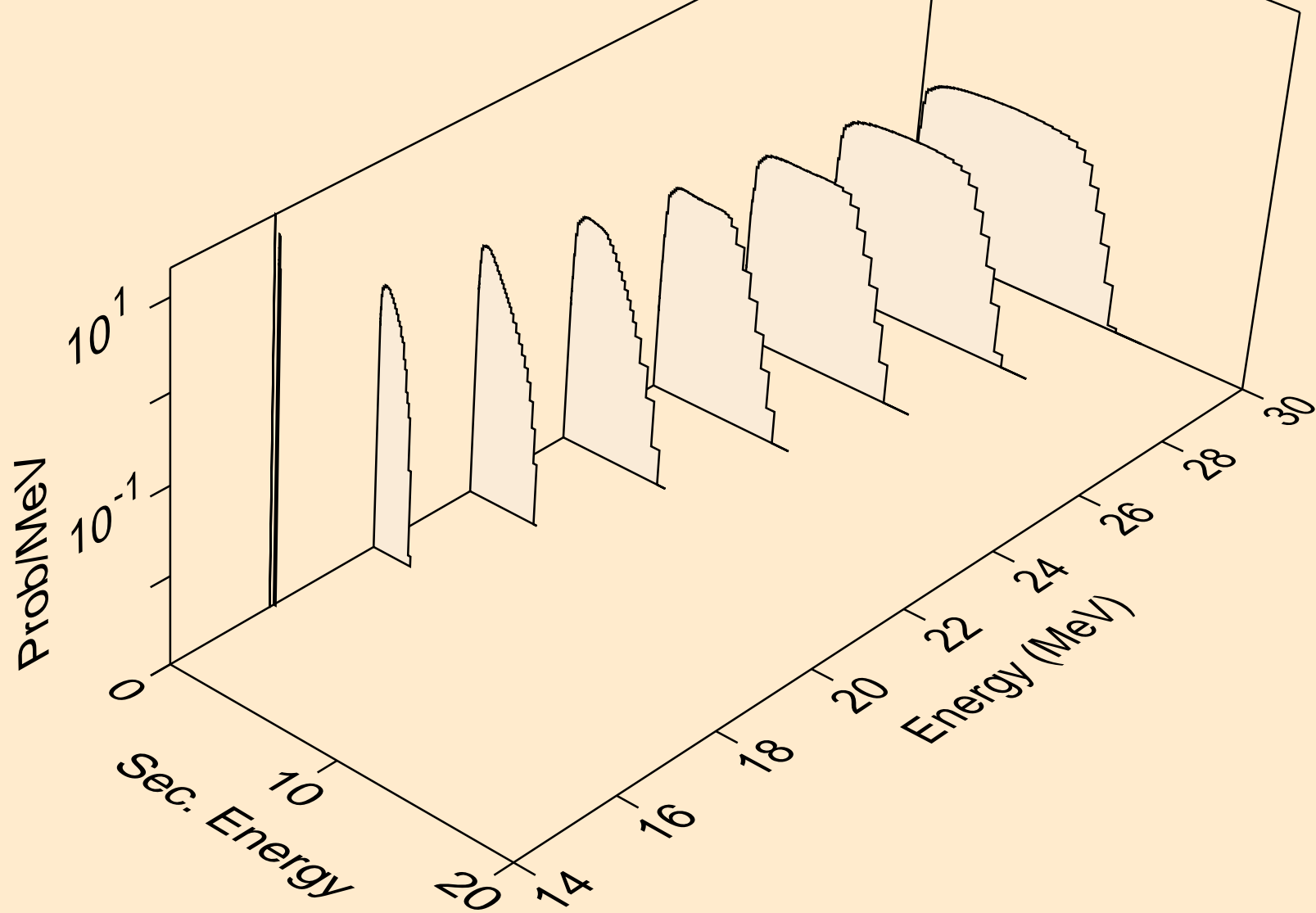


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

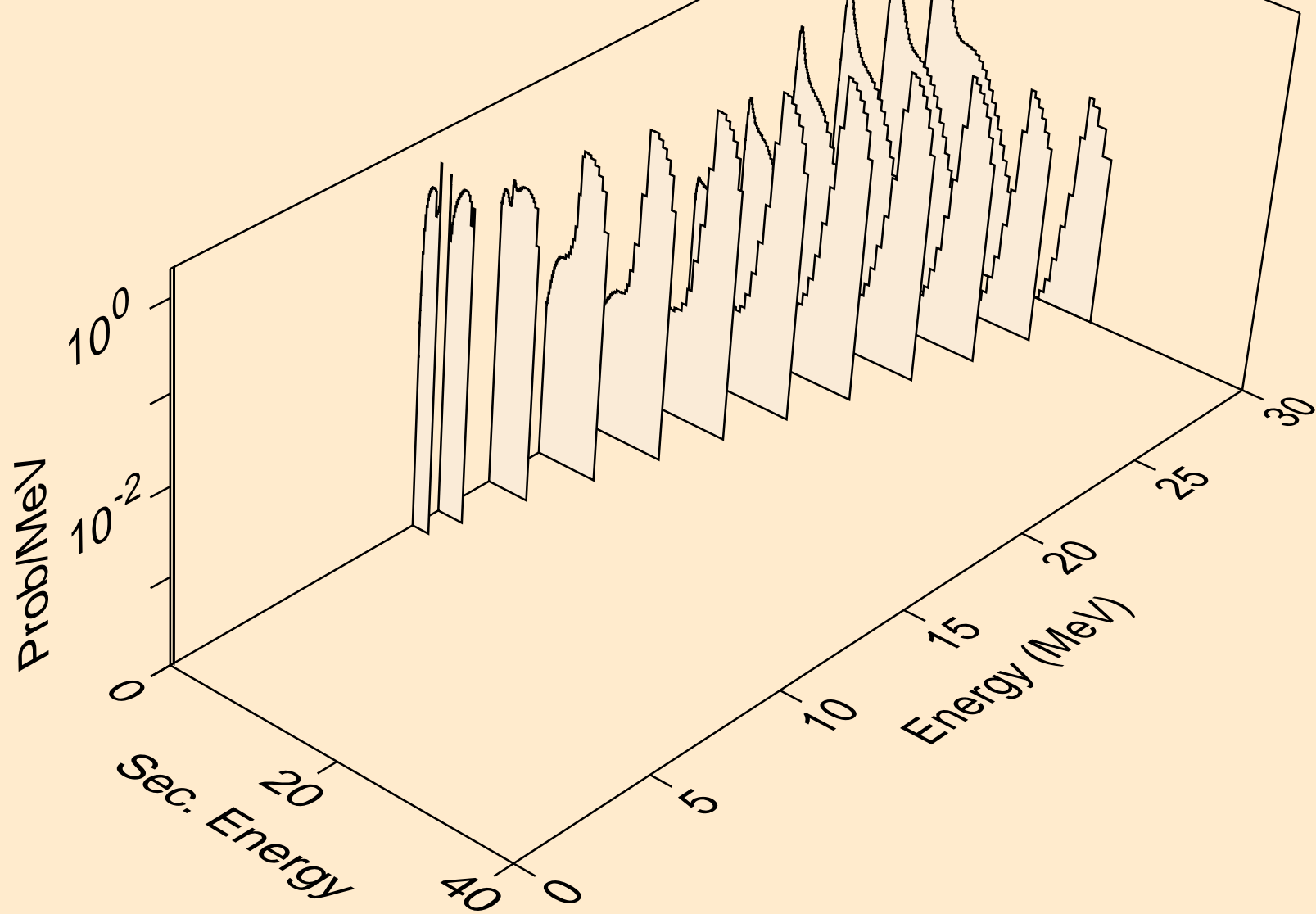




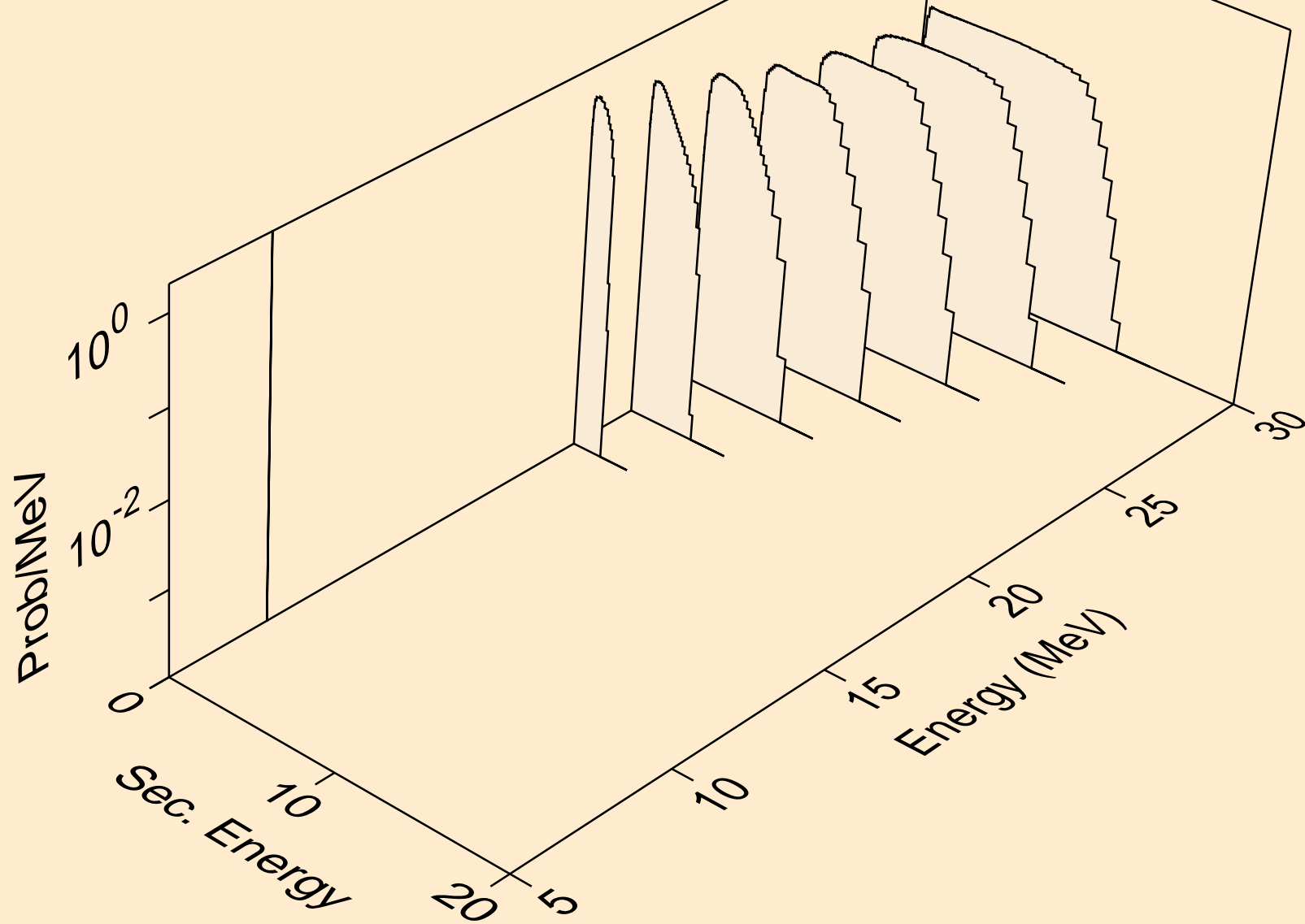
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



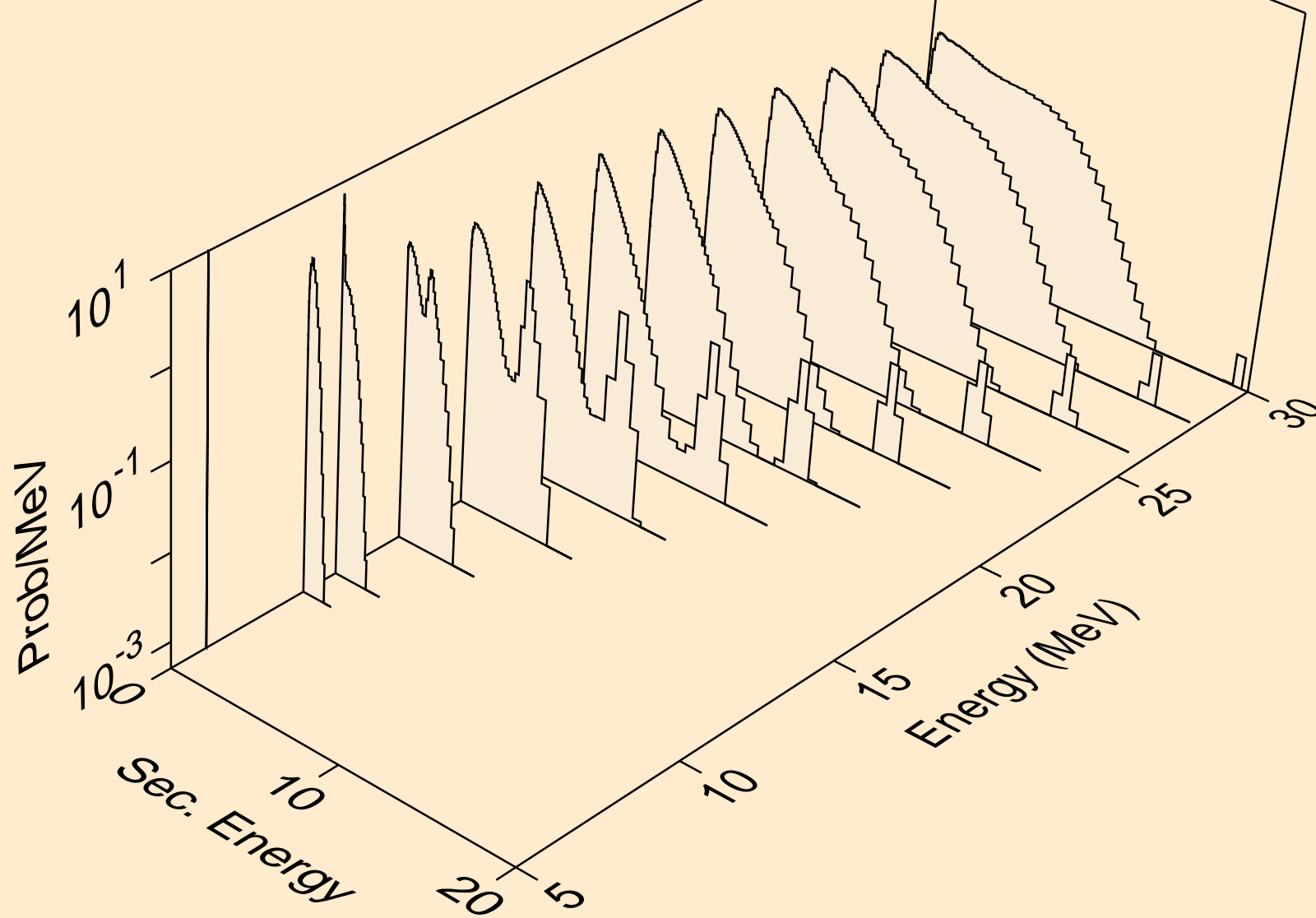
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



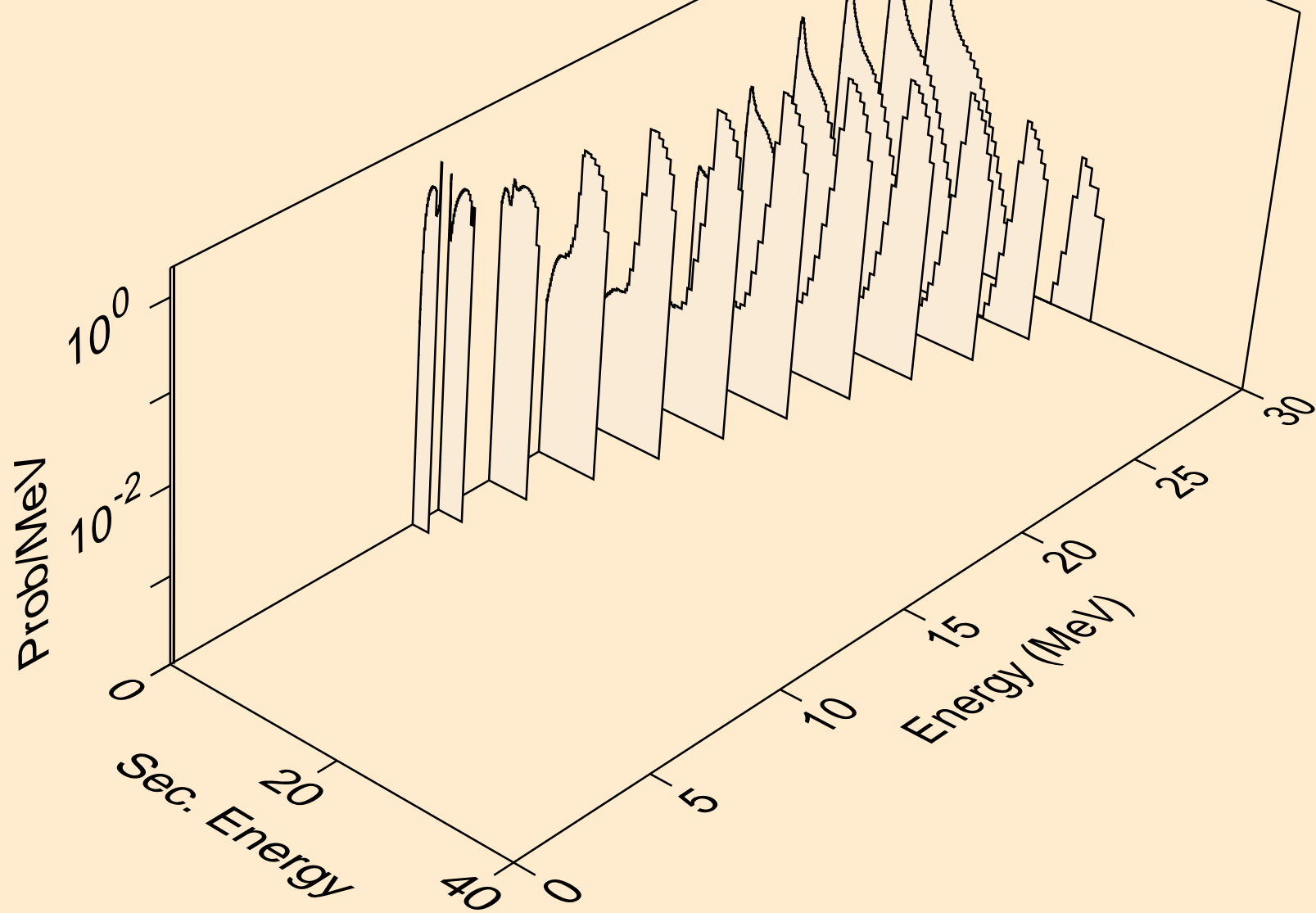
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



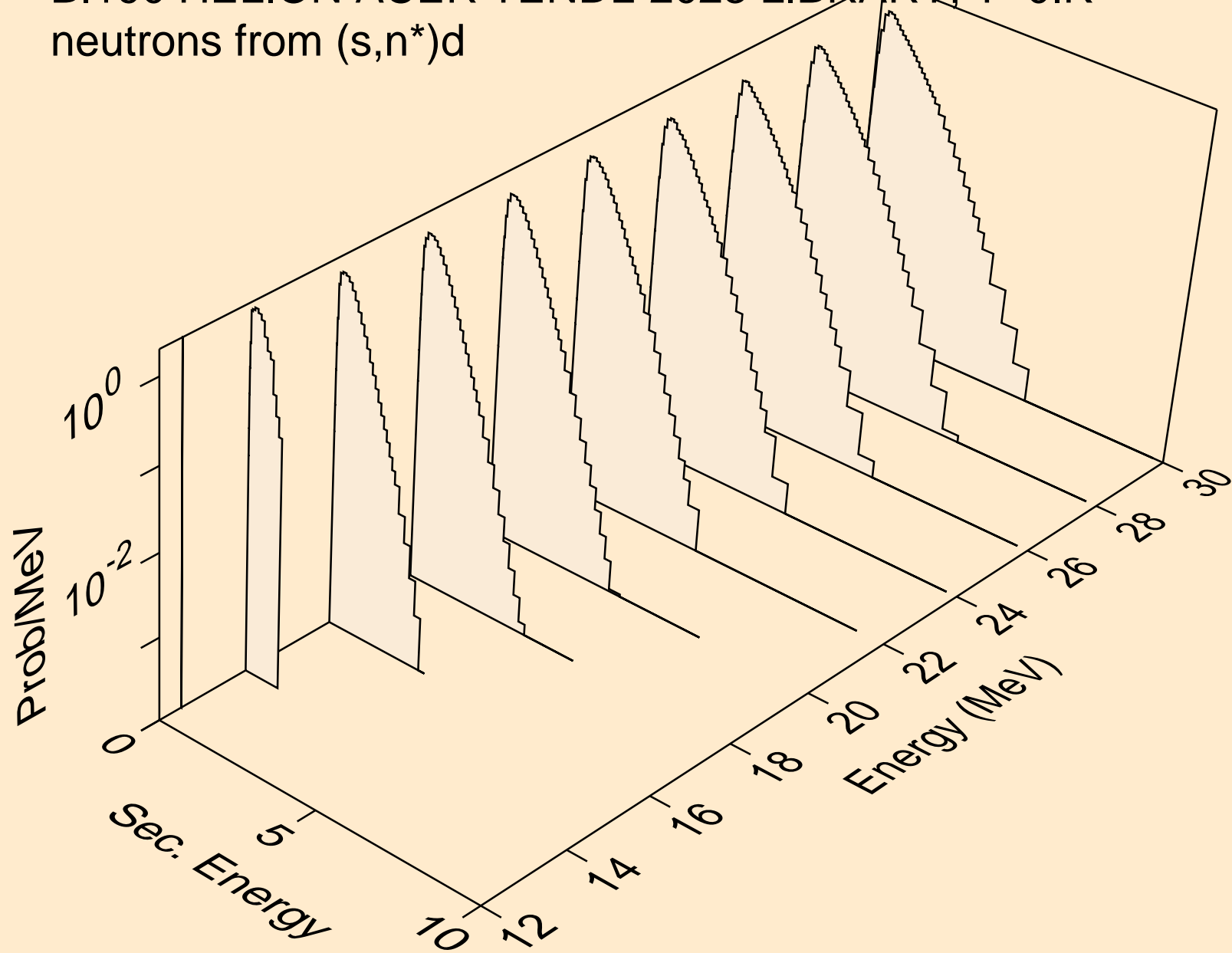
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



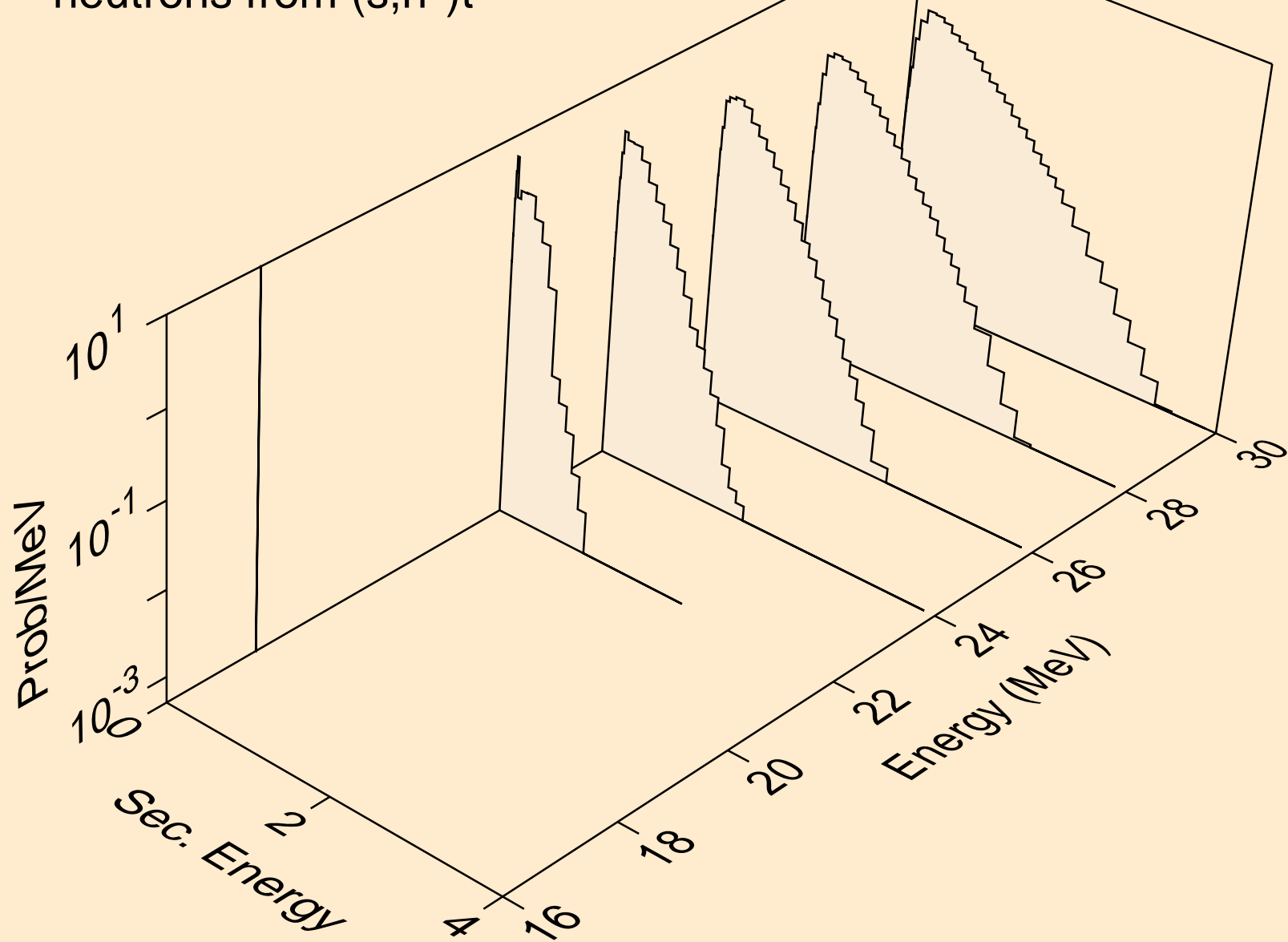
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



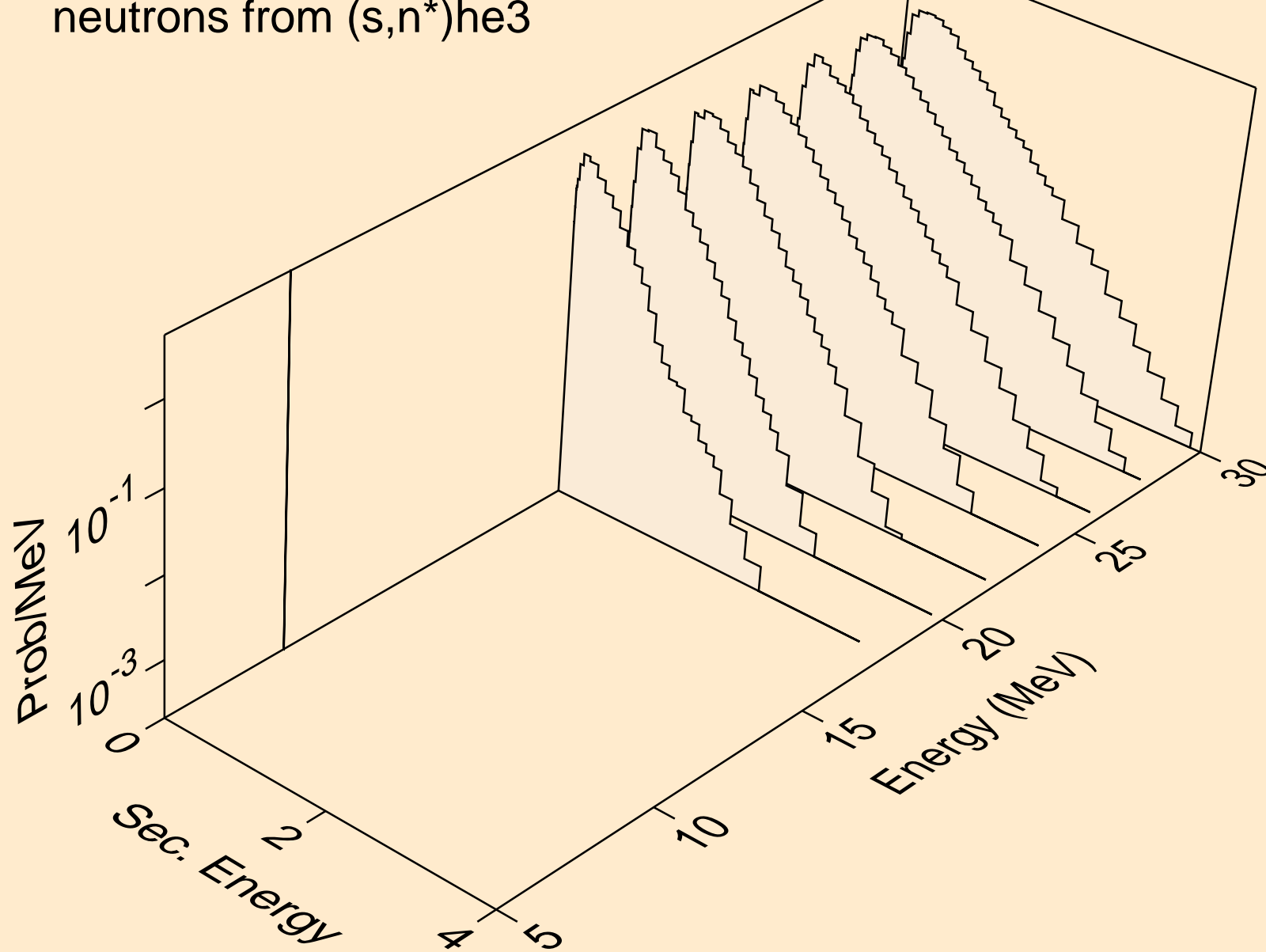
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t

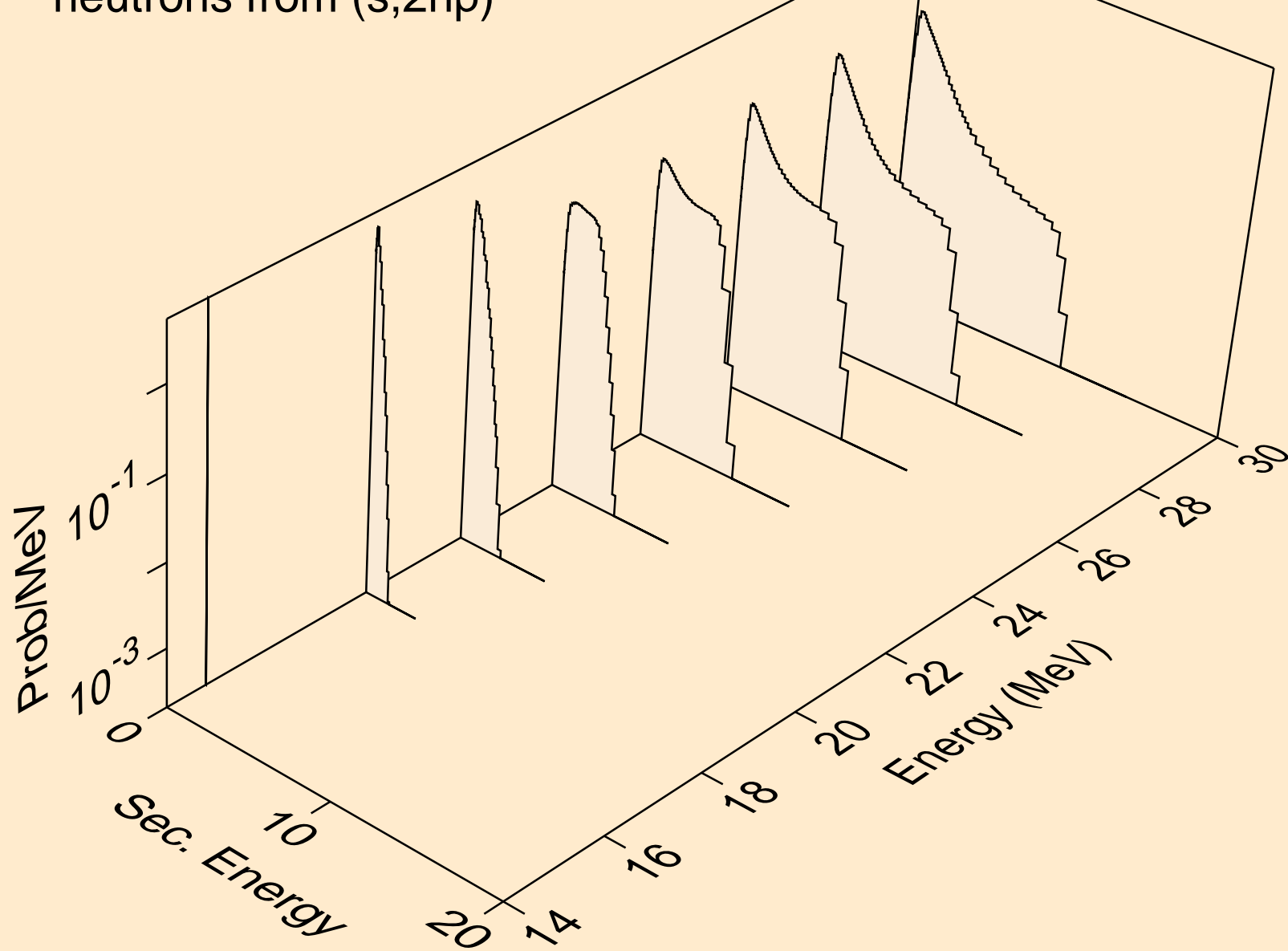


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

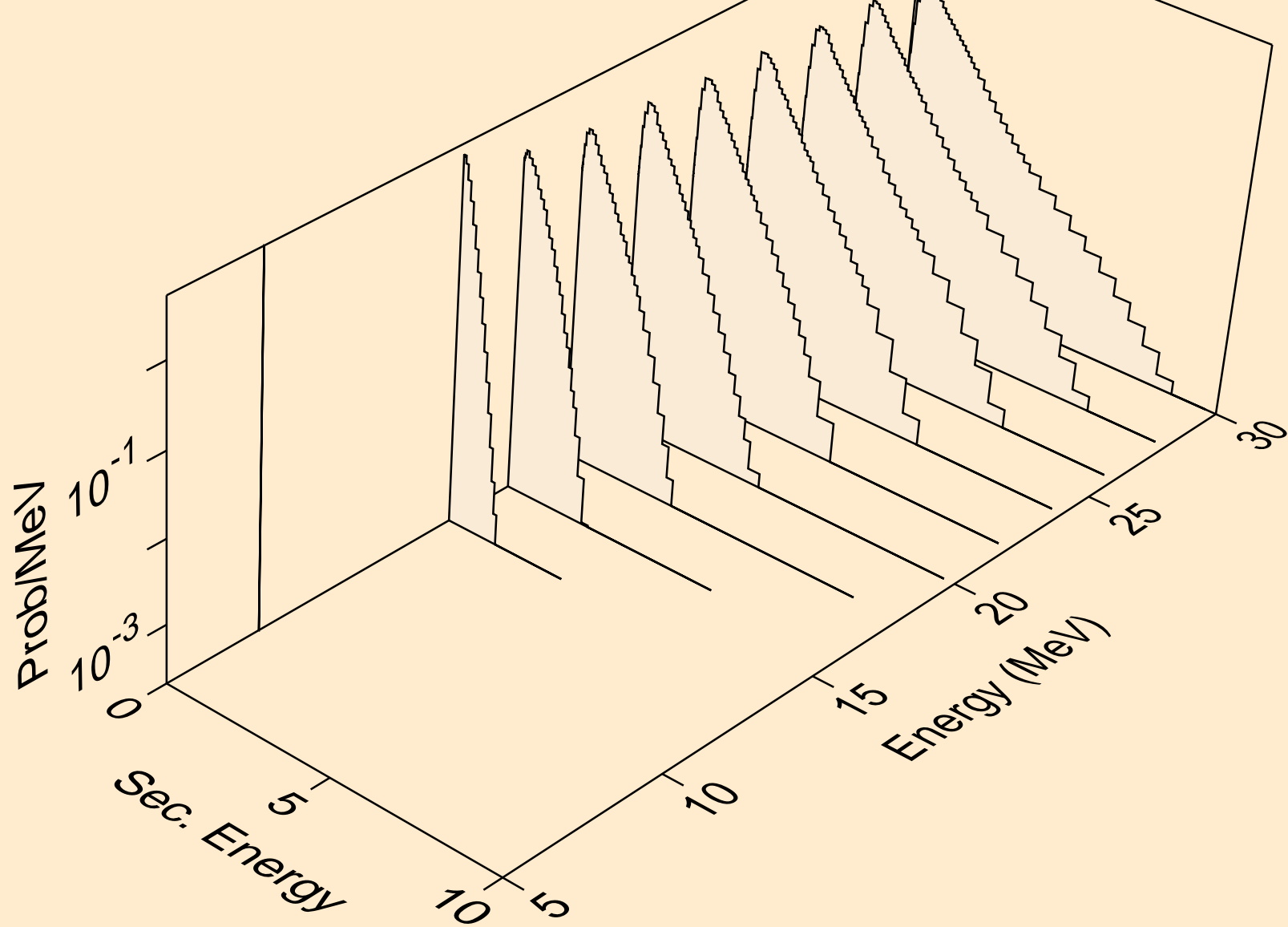




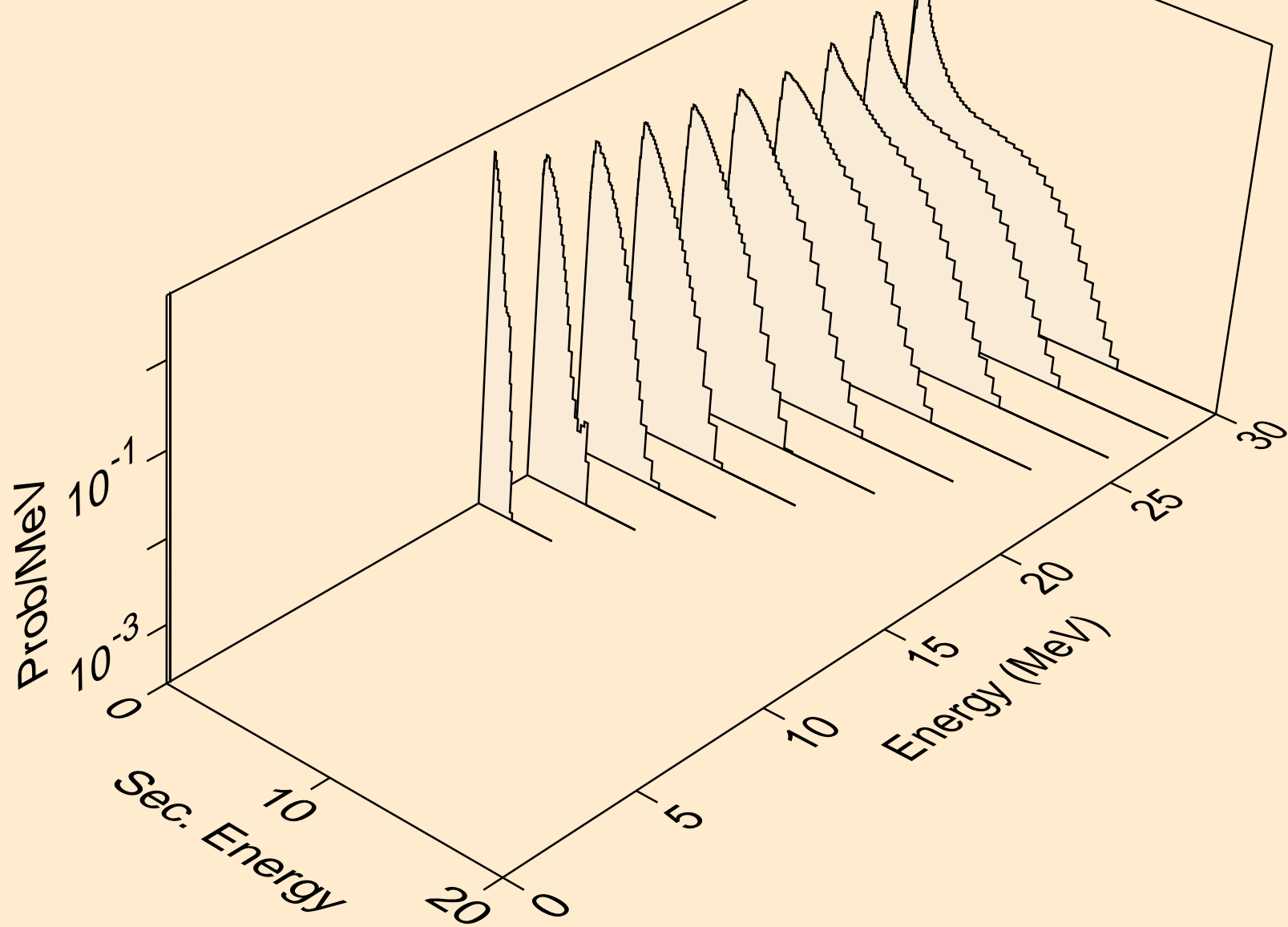
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



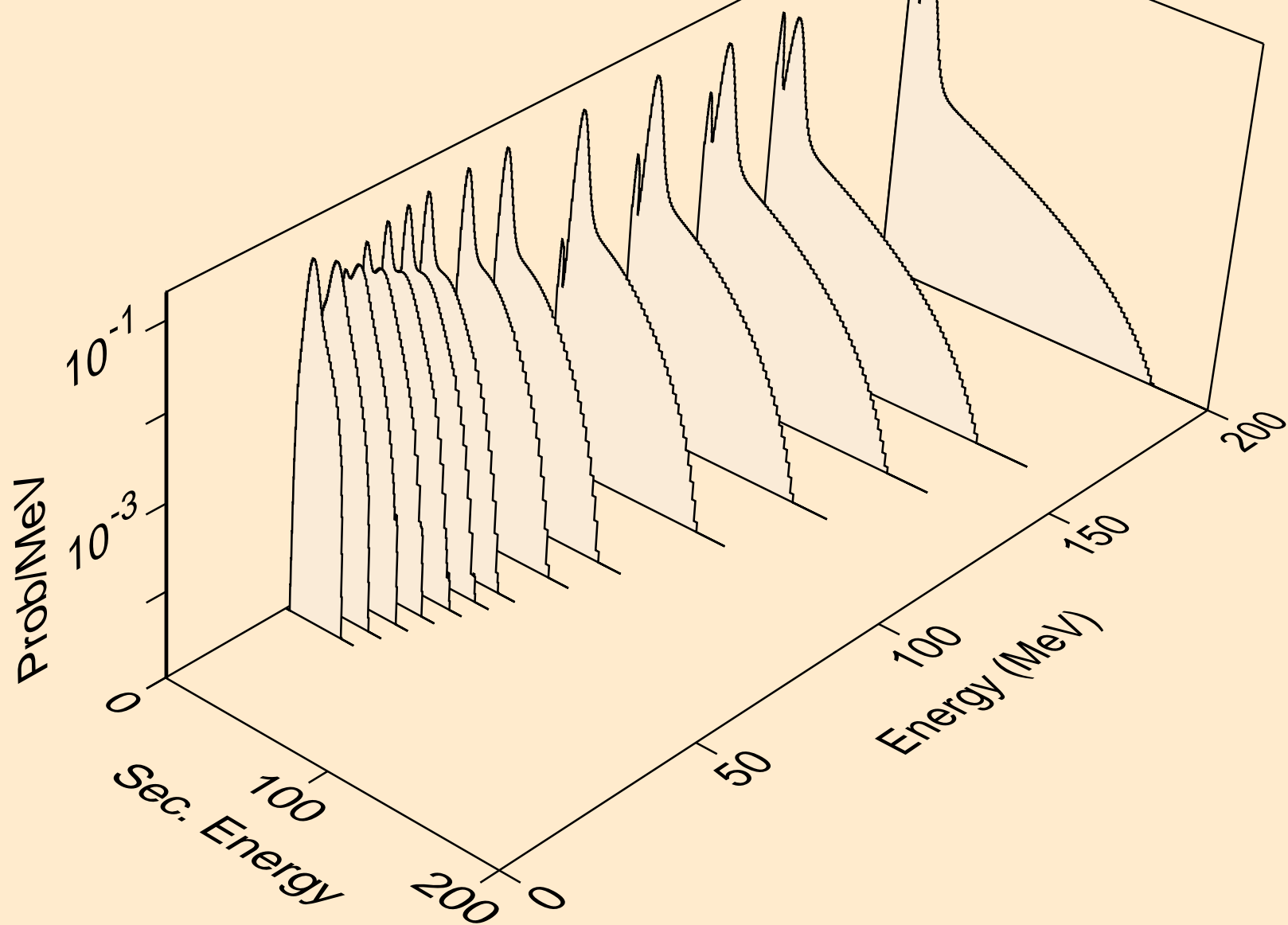
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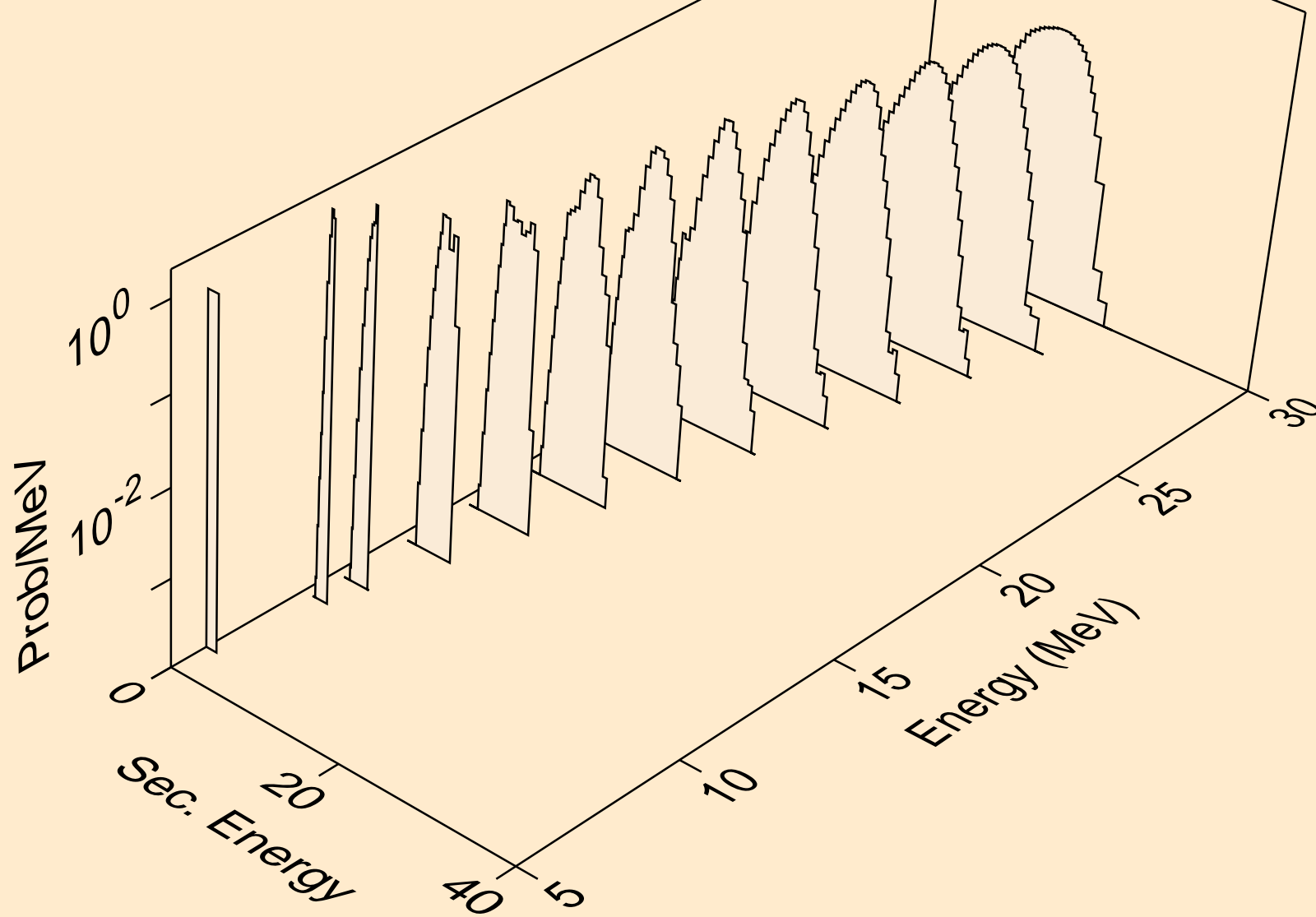
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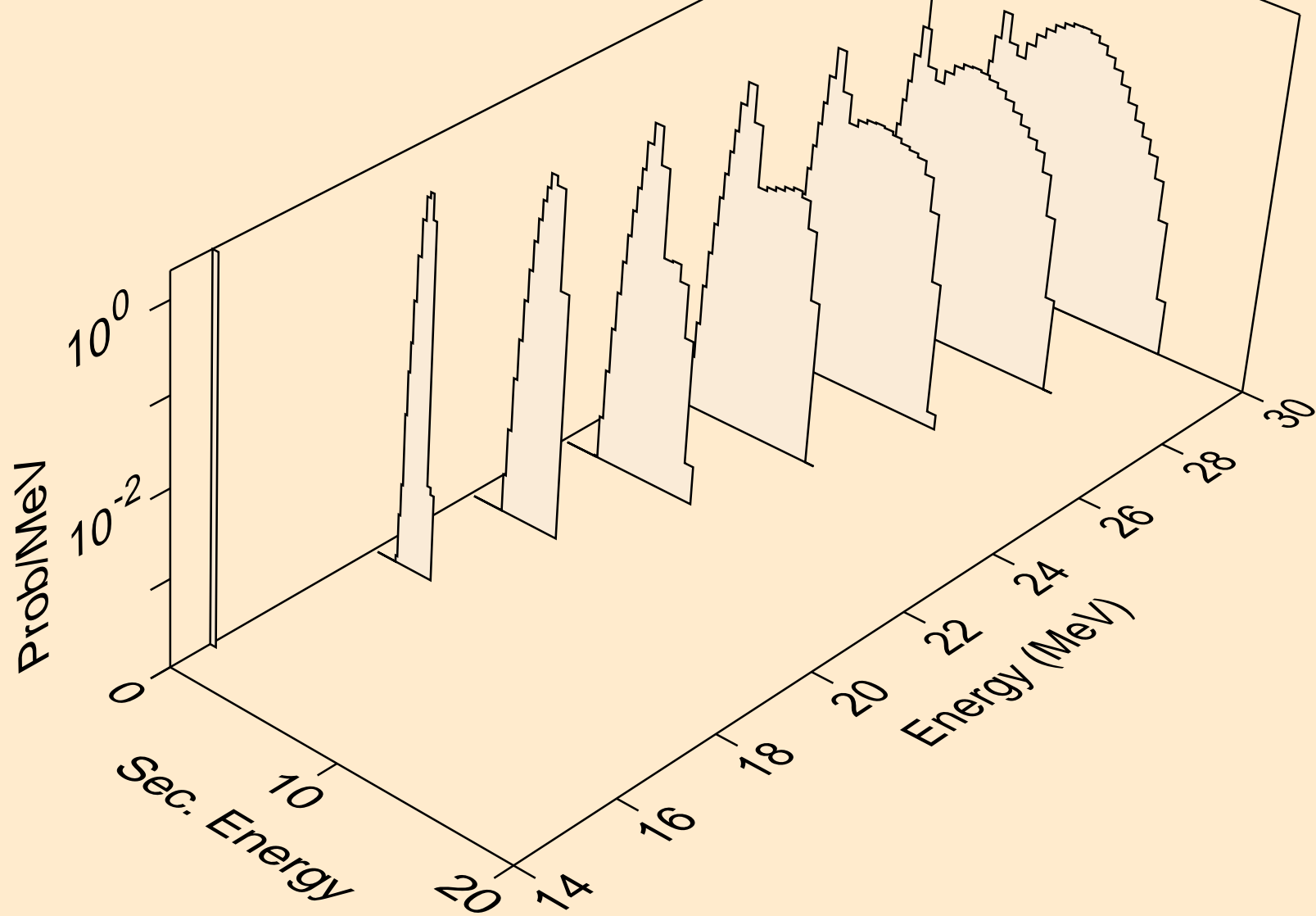
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



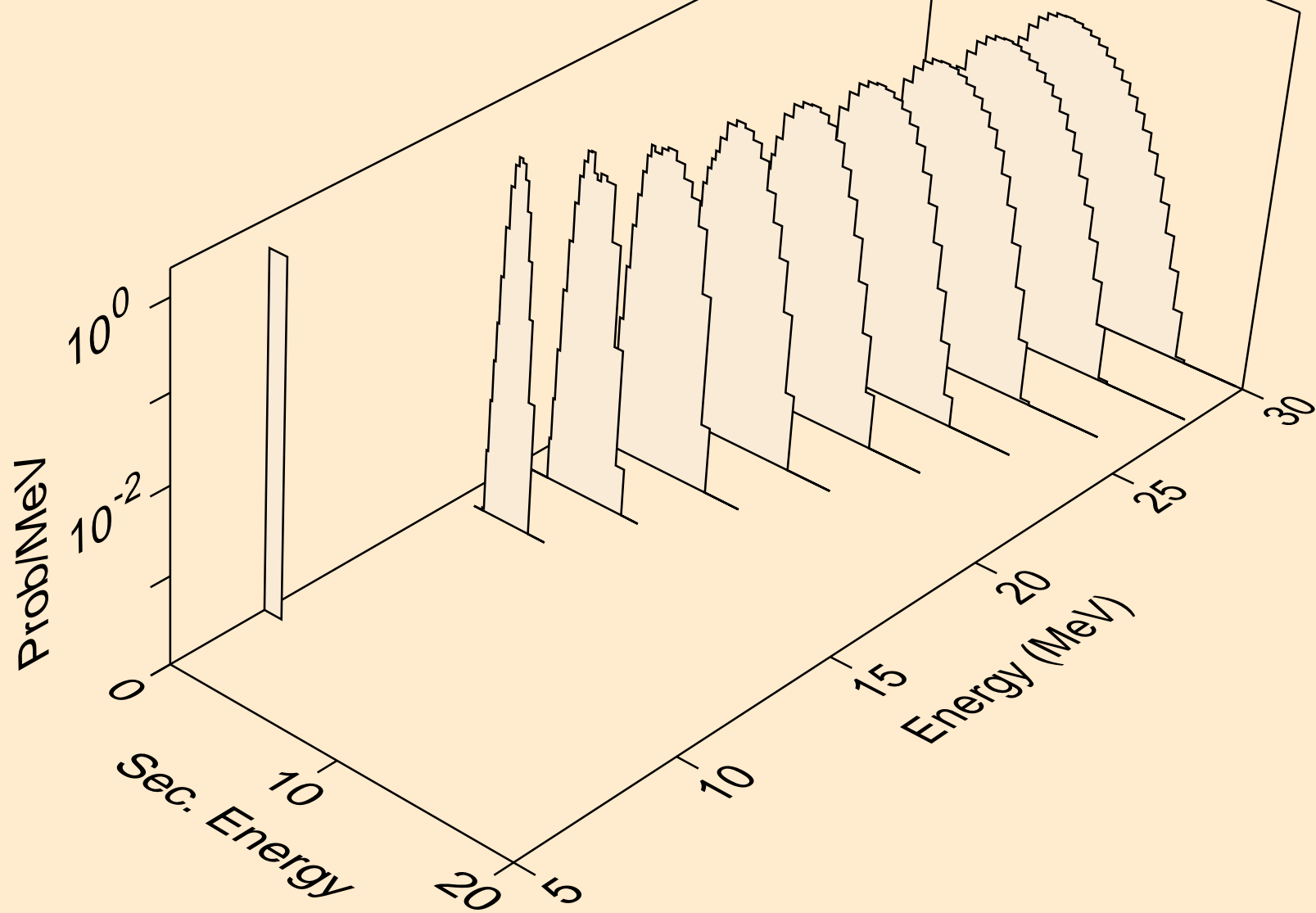
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



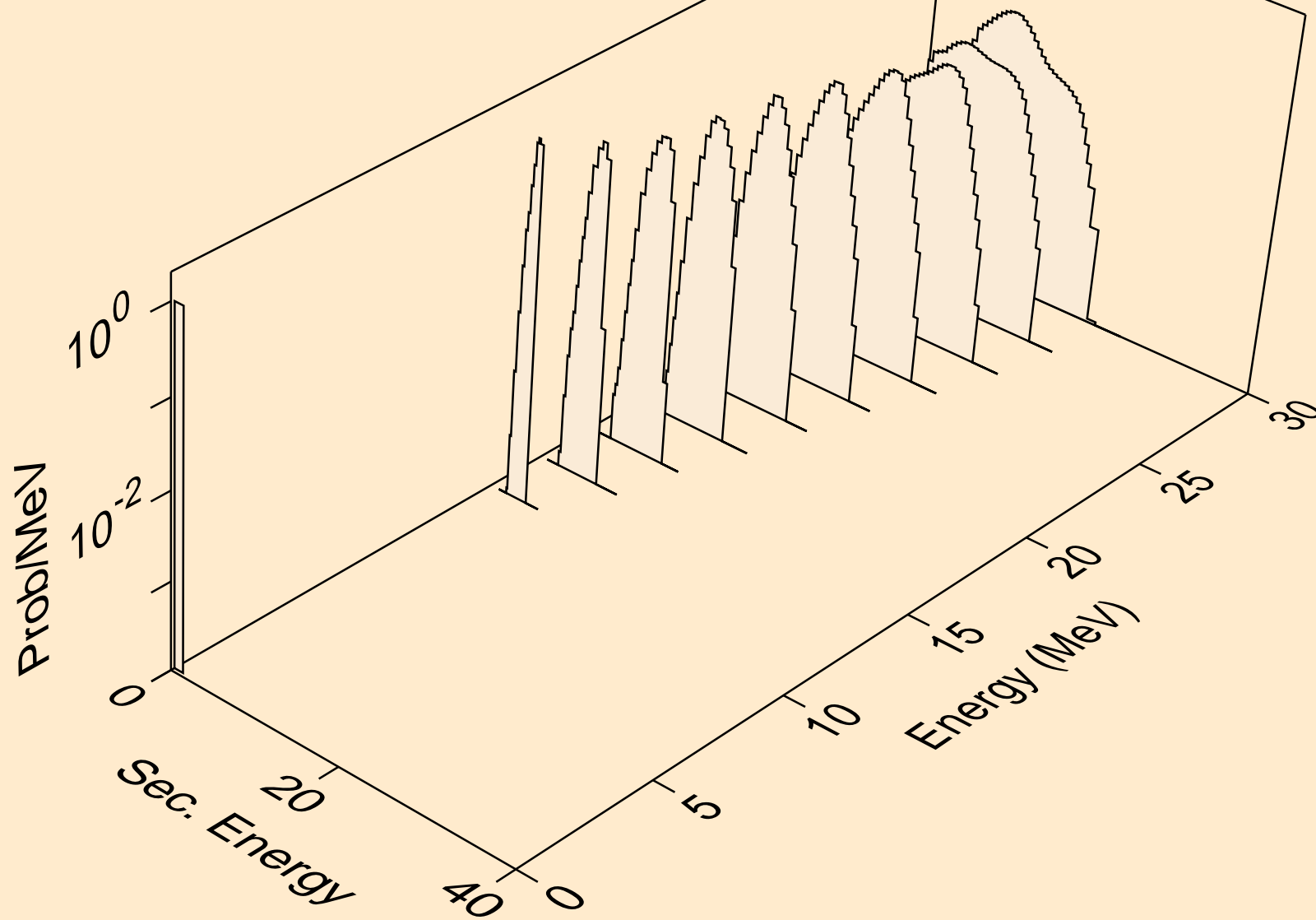
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)

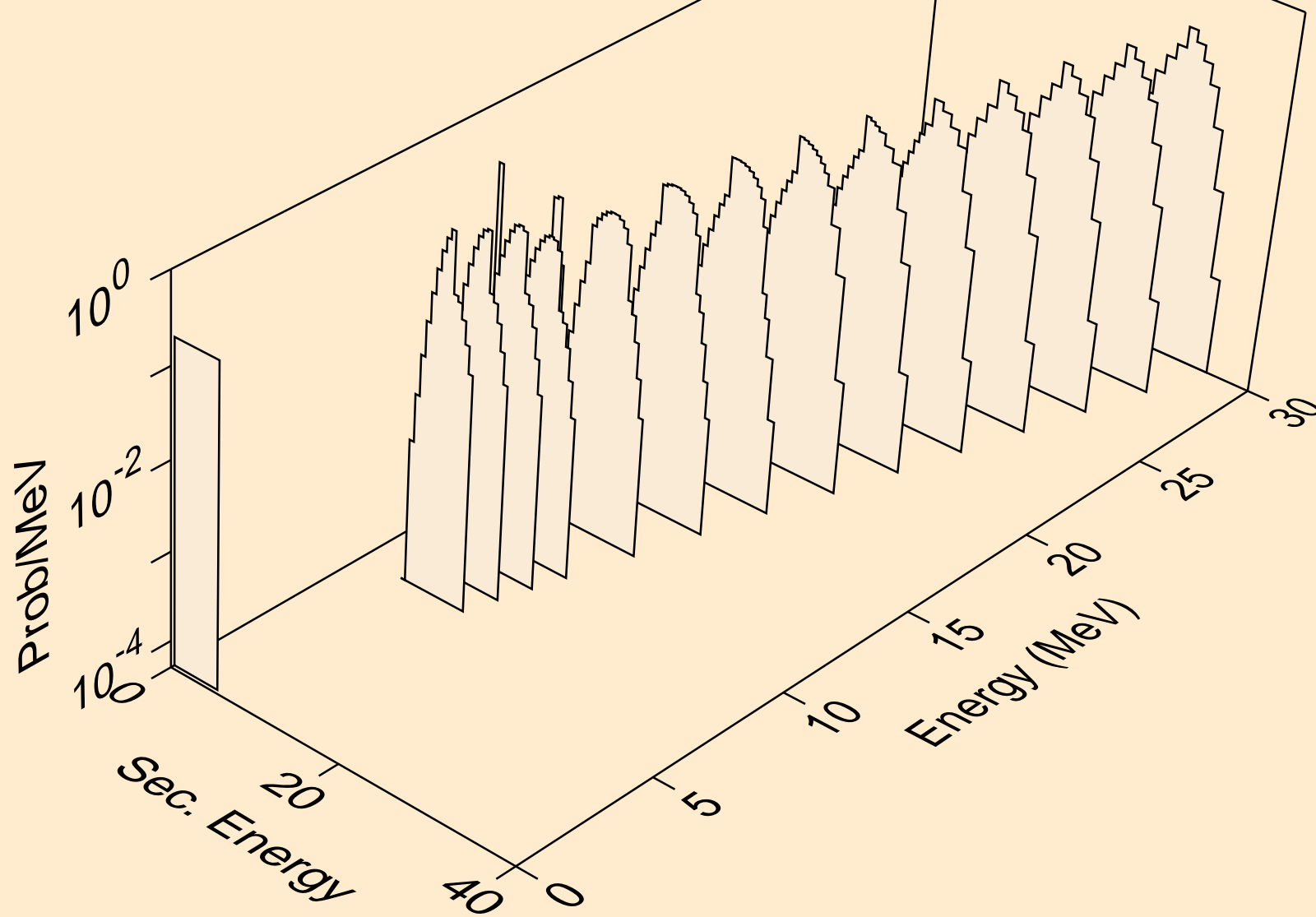


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protons from (s,npa)

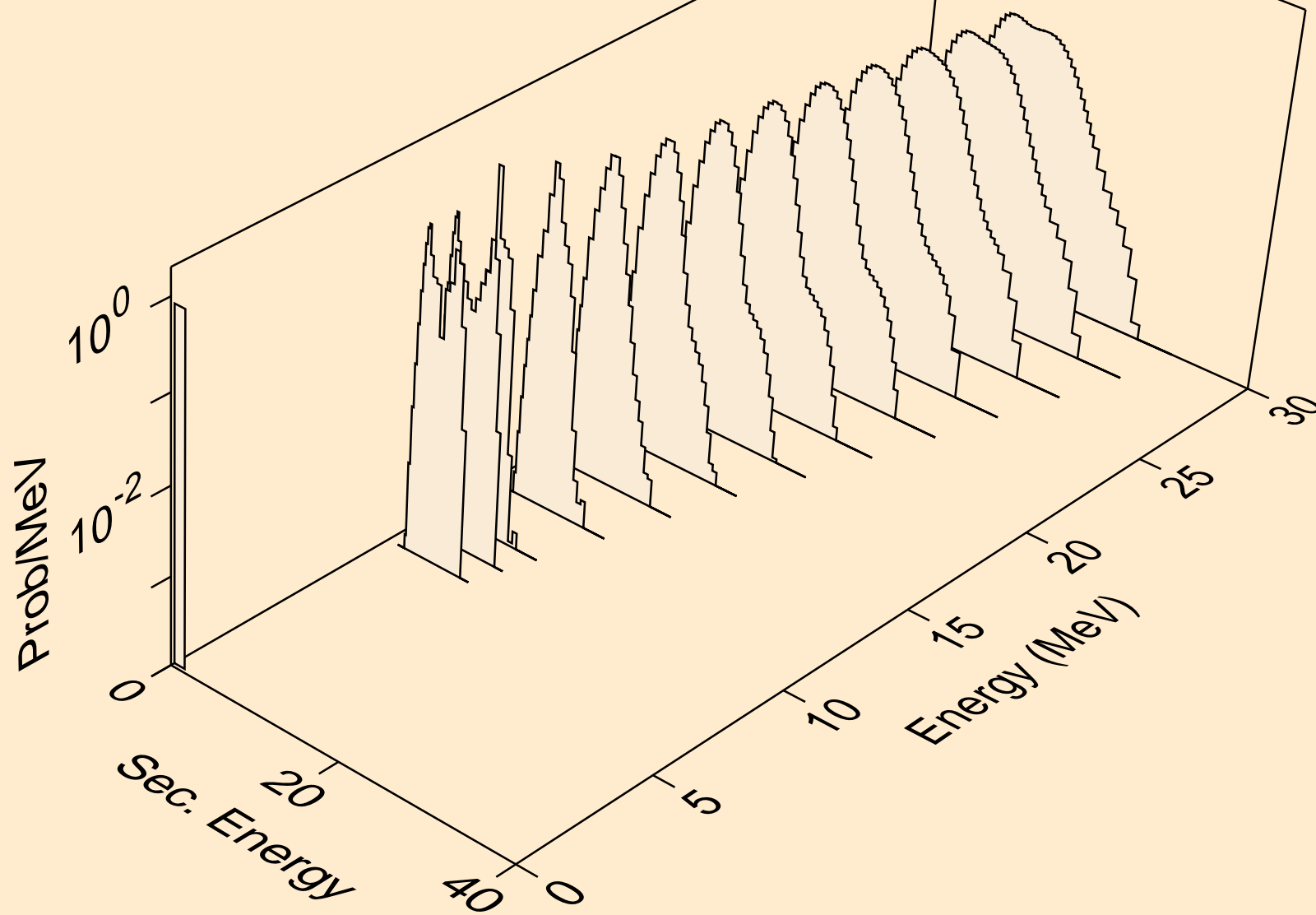




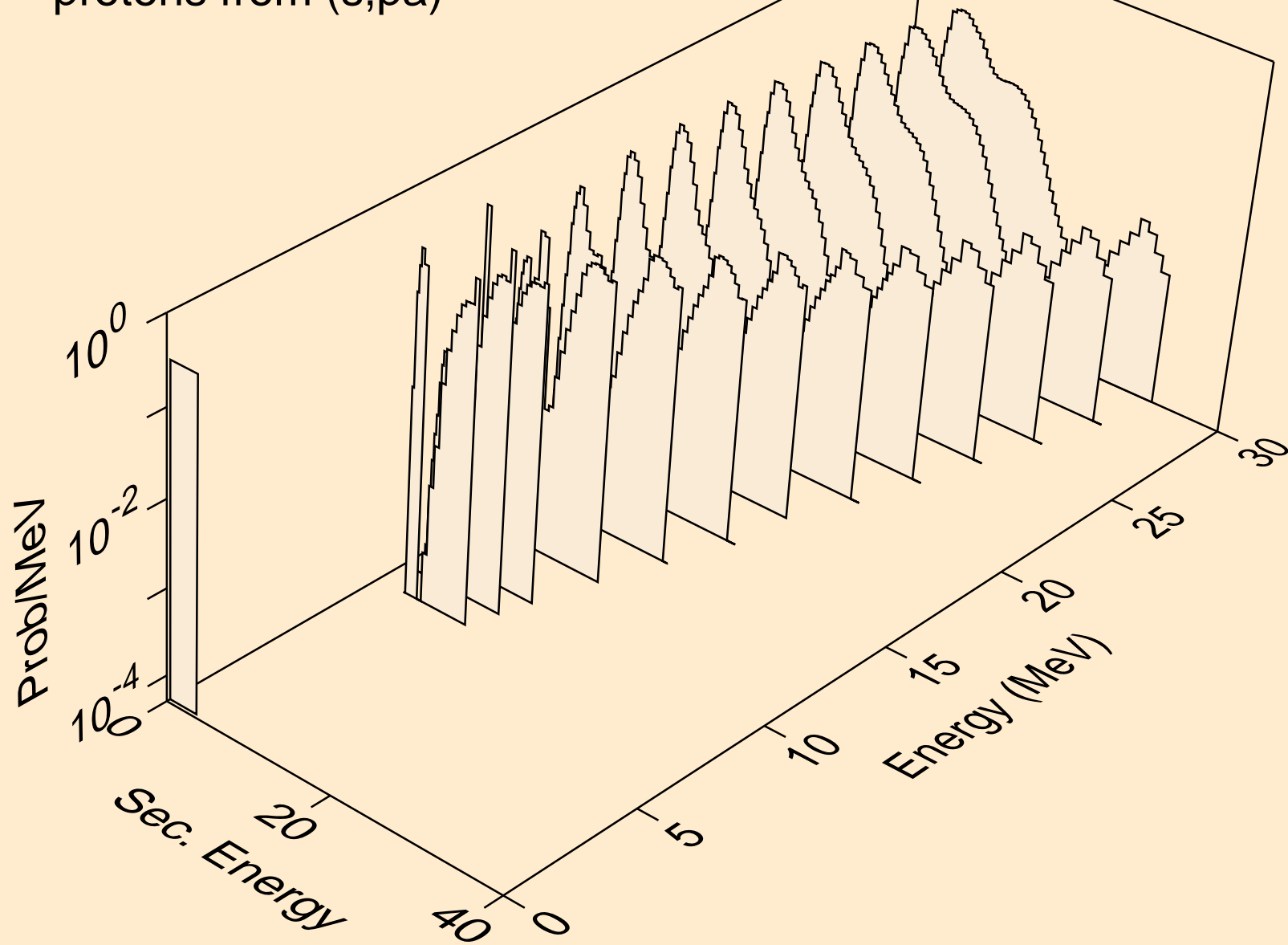
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protons from (s,p)



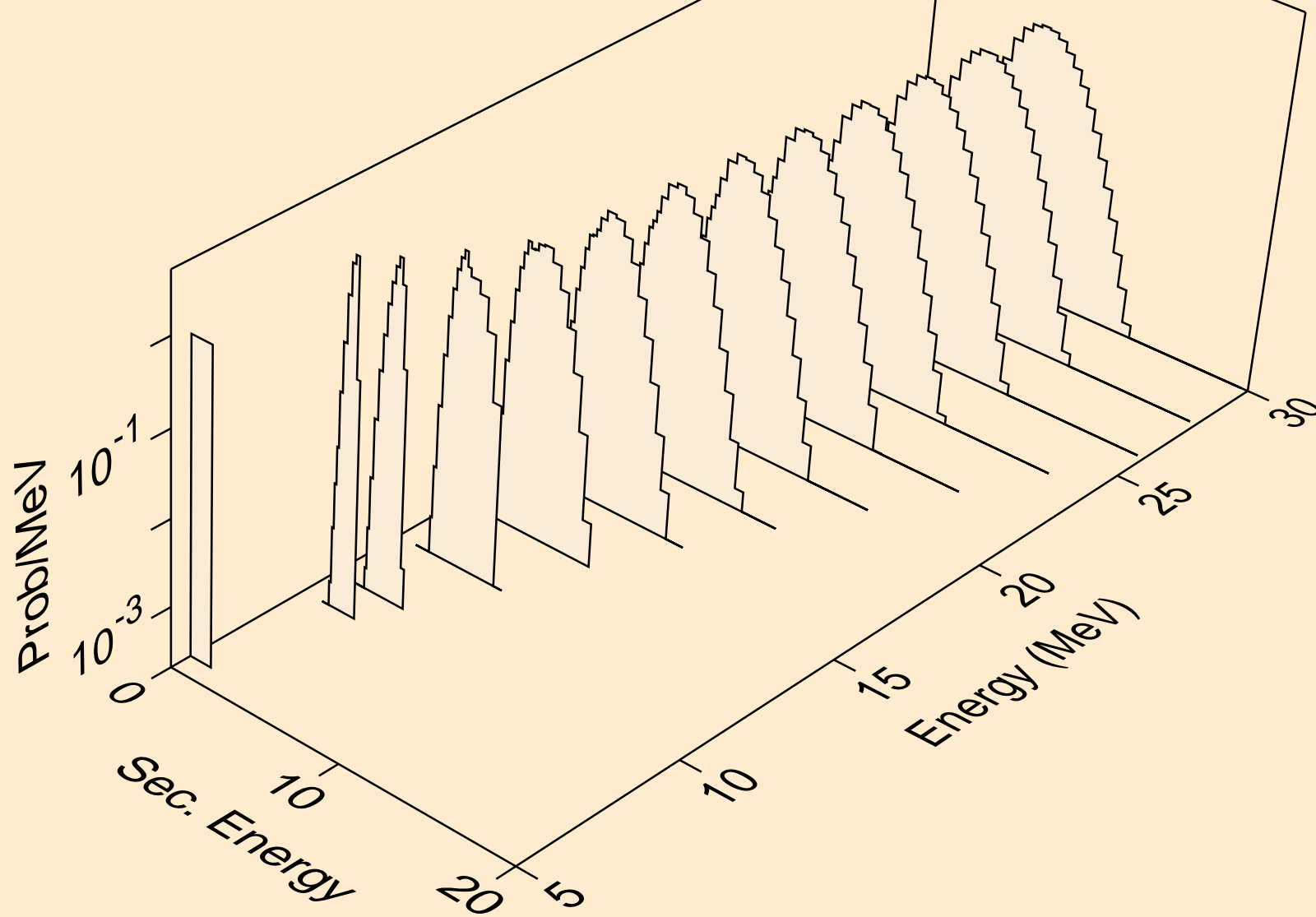
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protons from (s,2p)



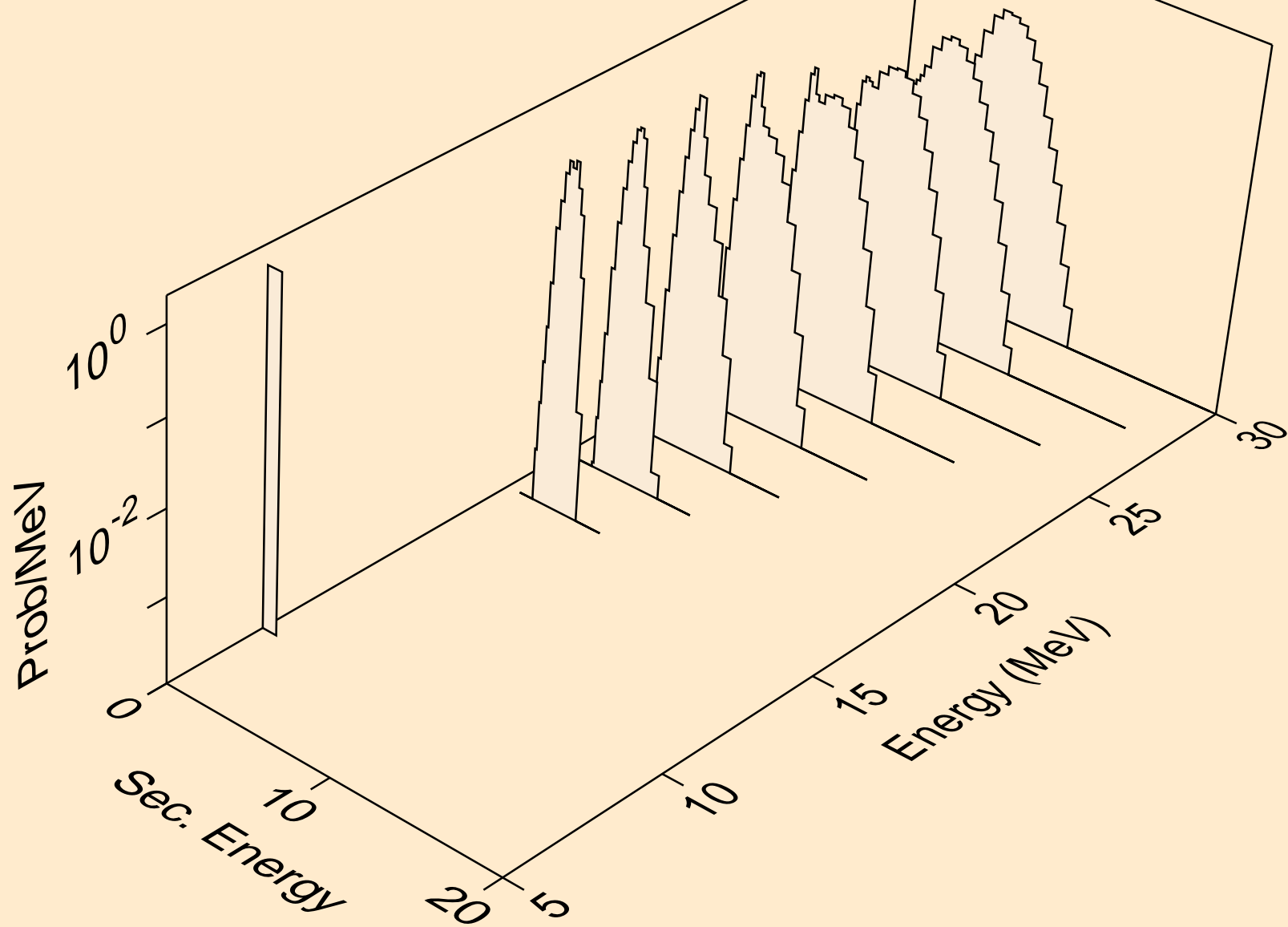
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



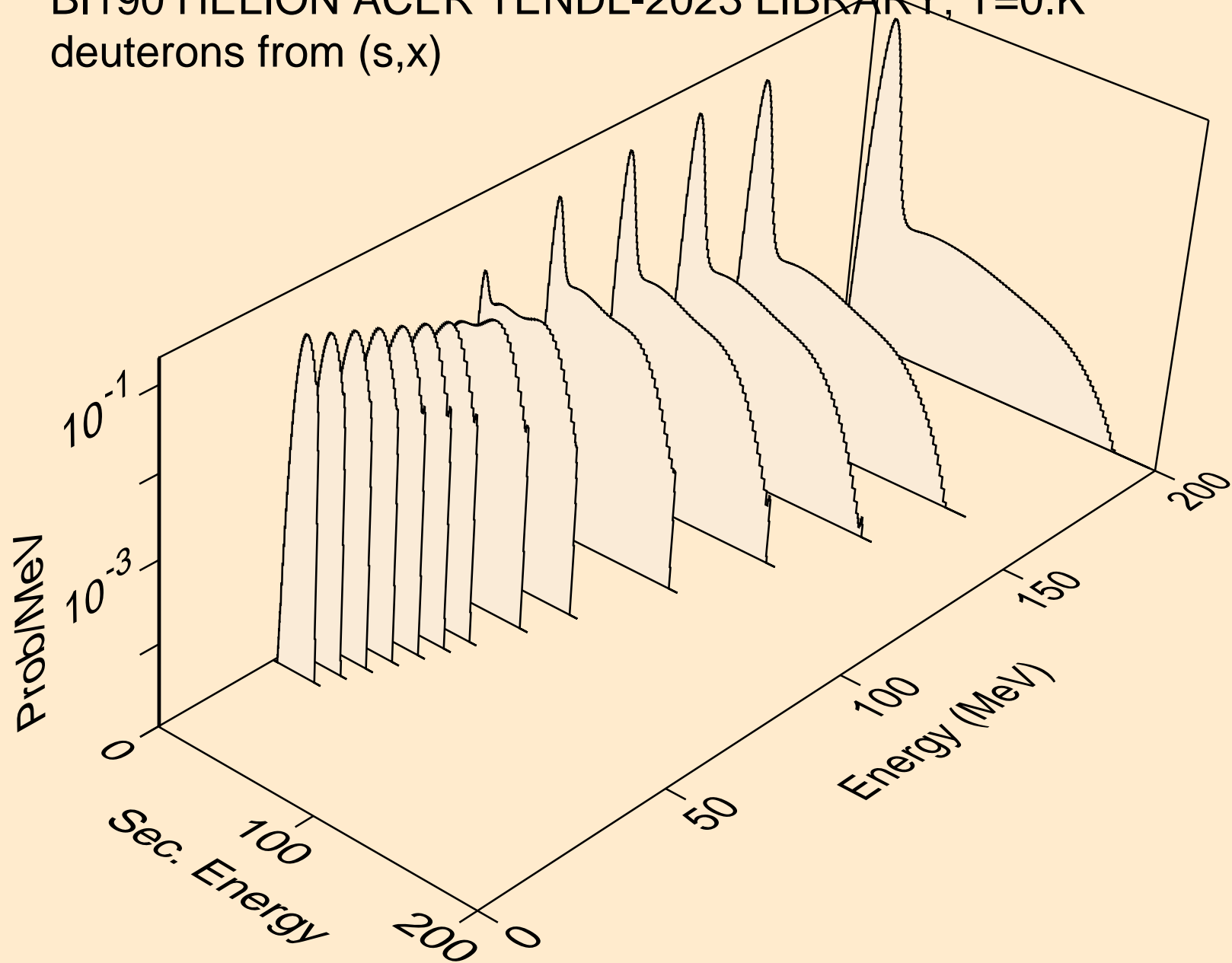
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



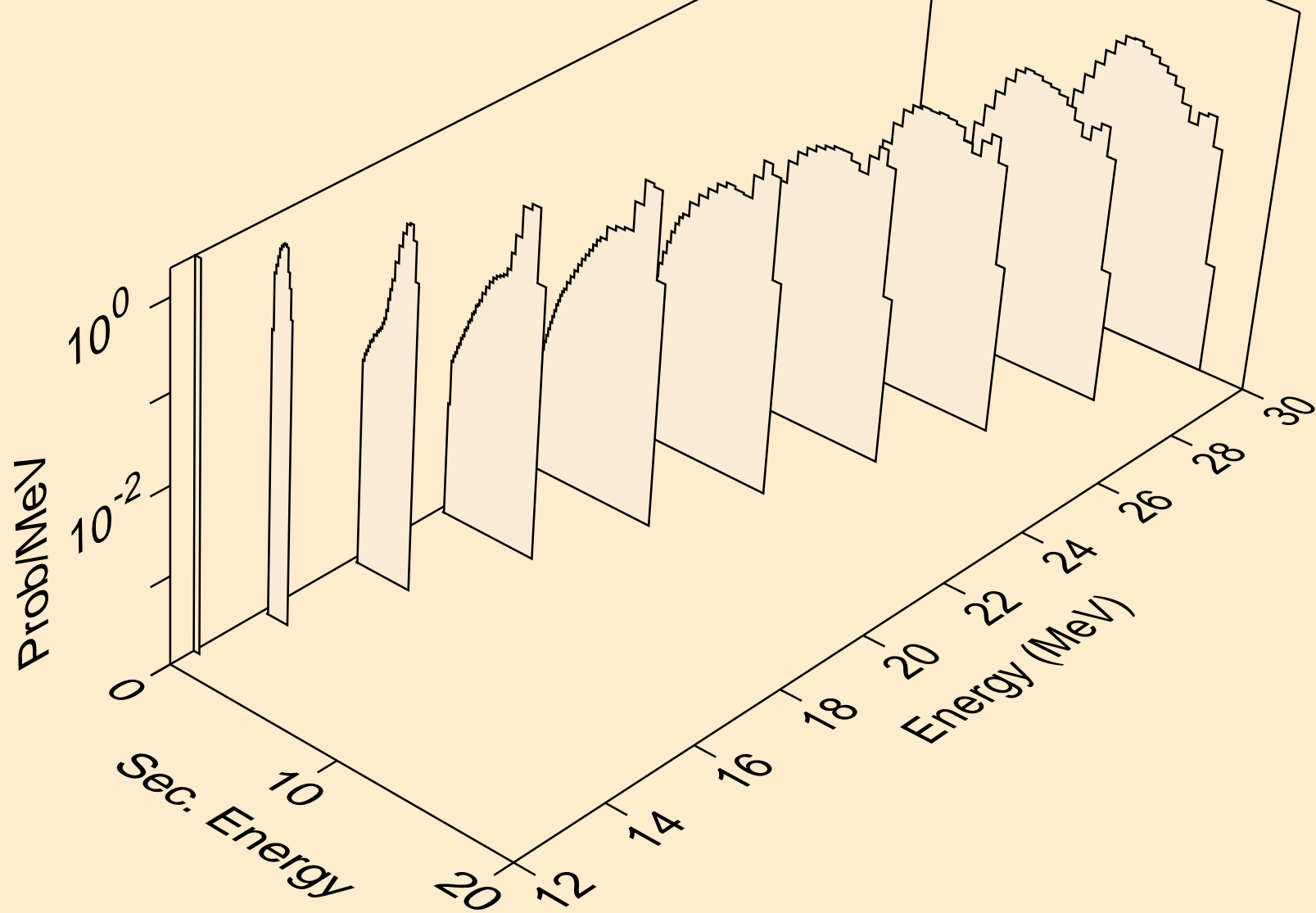
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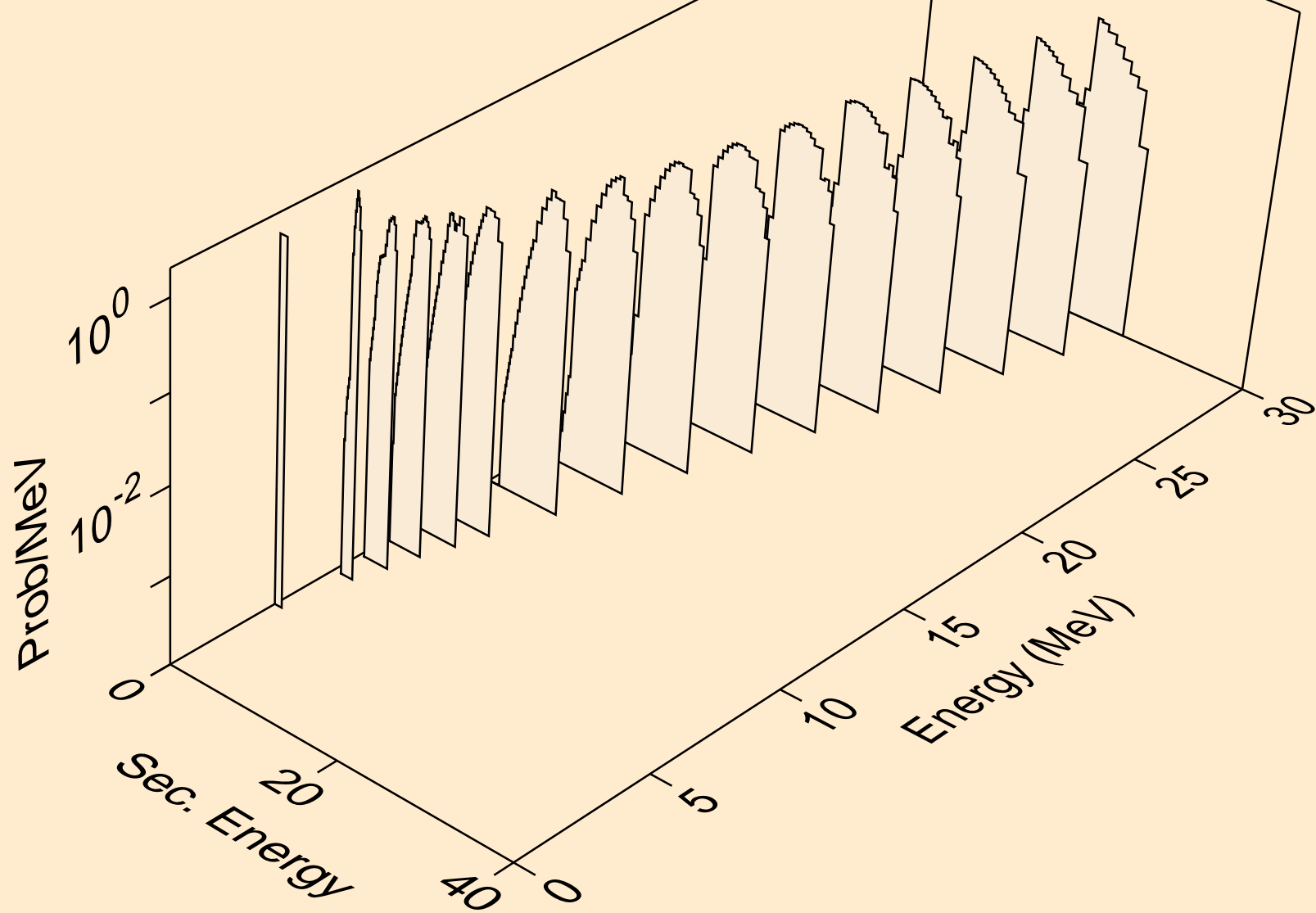
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

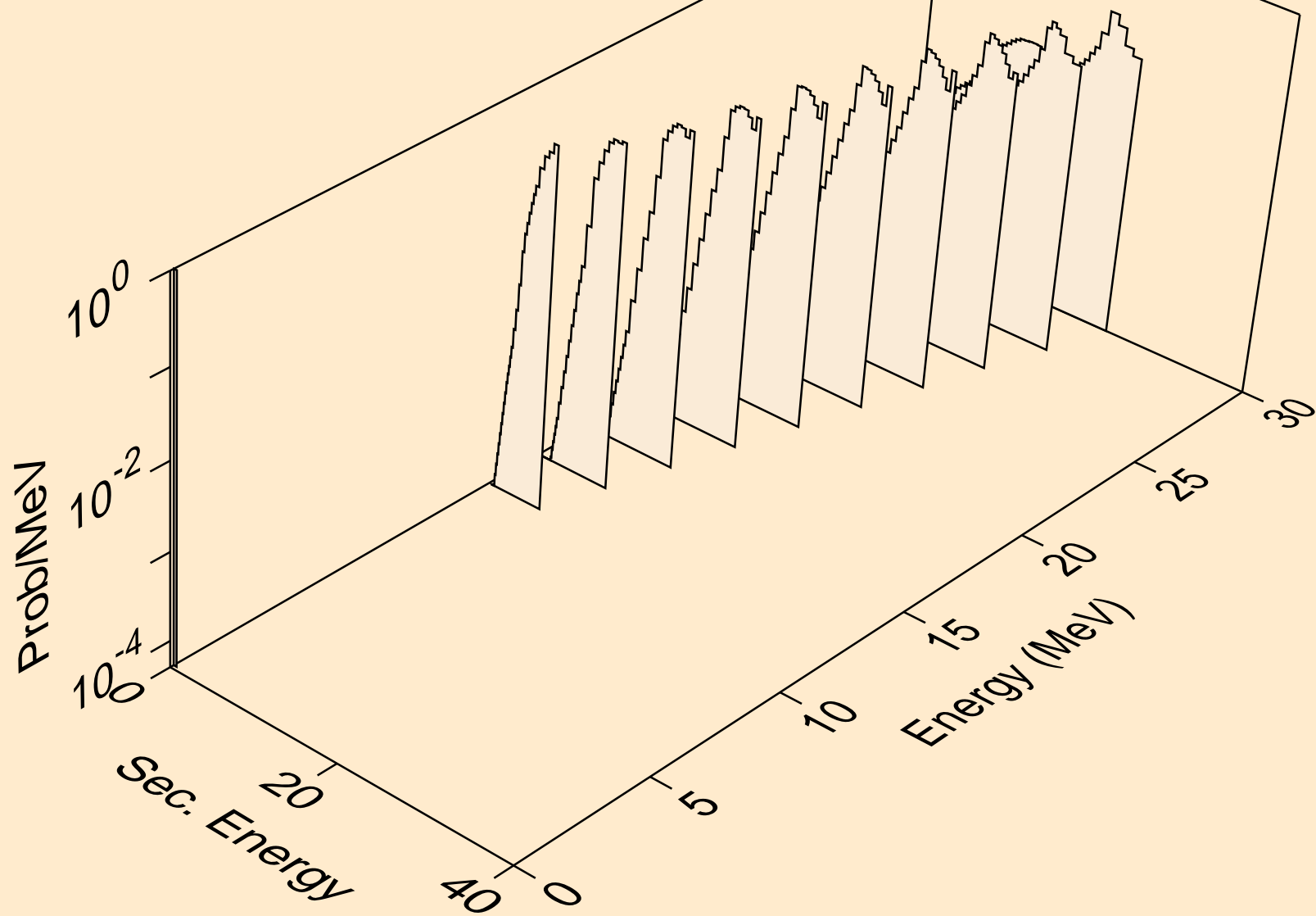


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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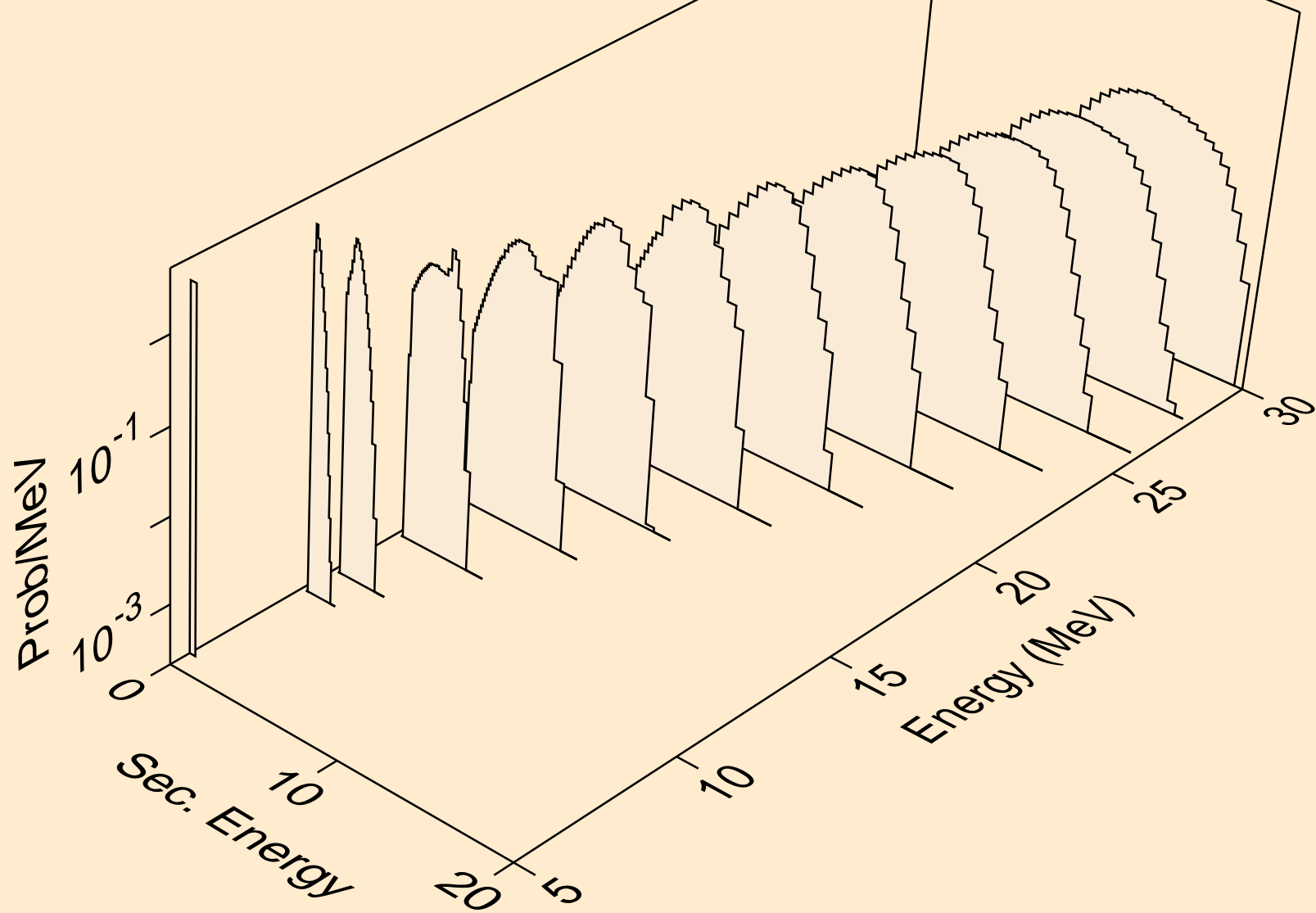




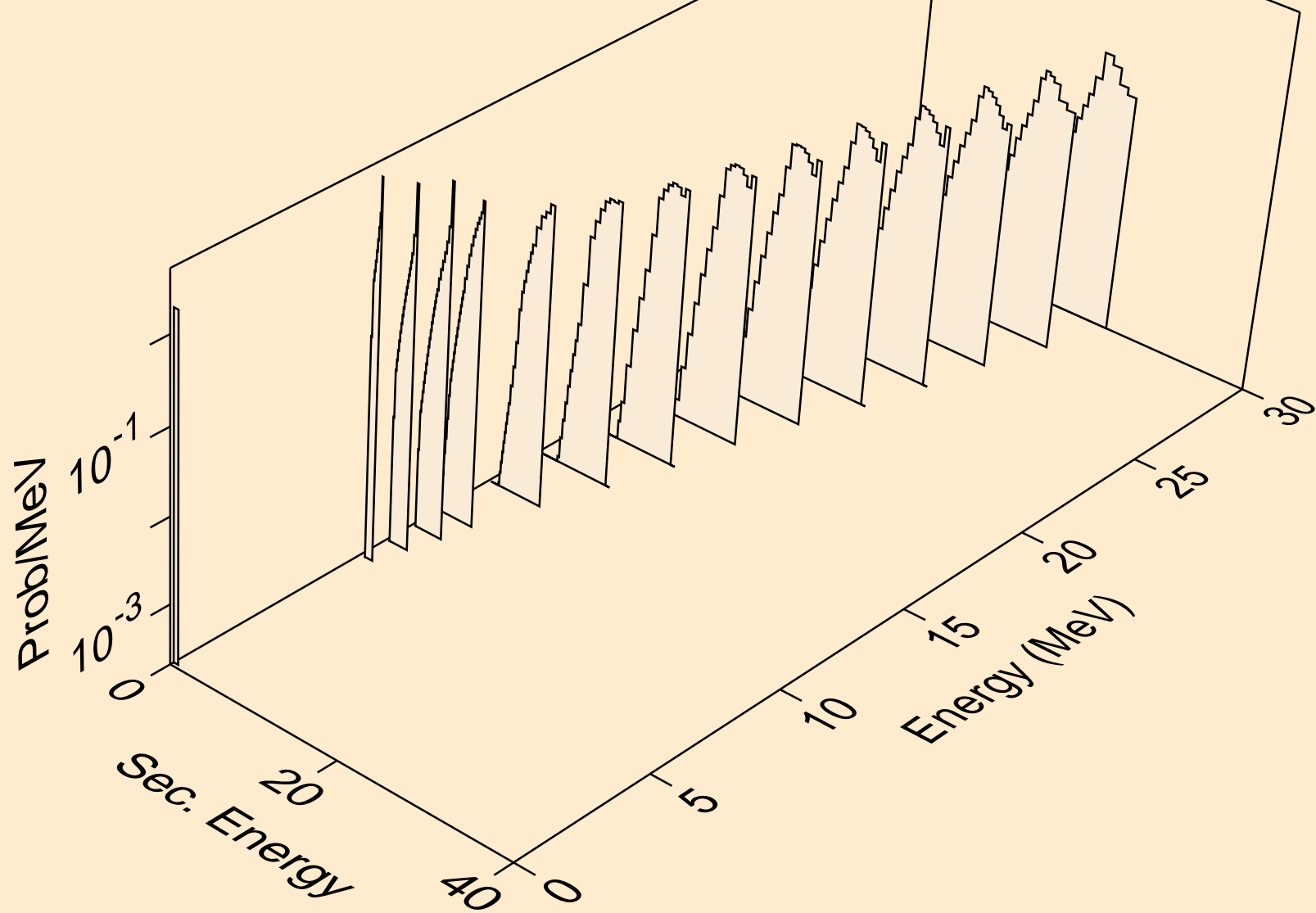
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d2a)



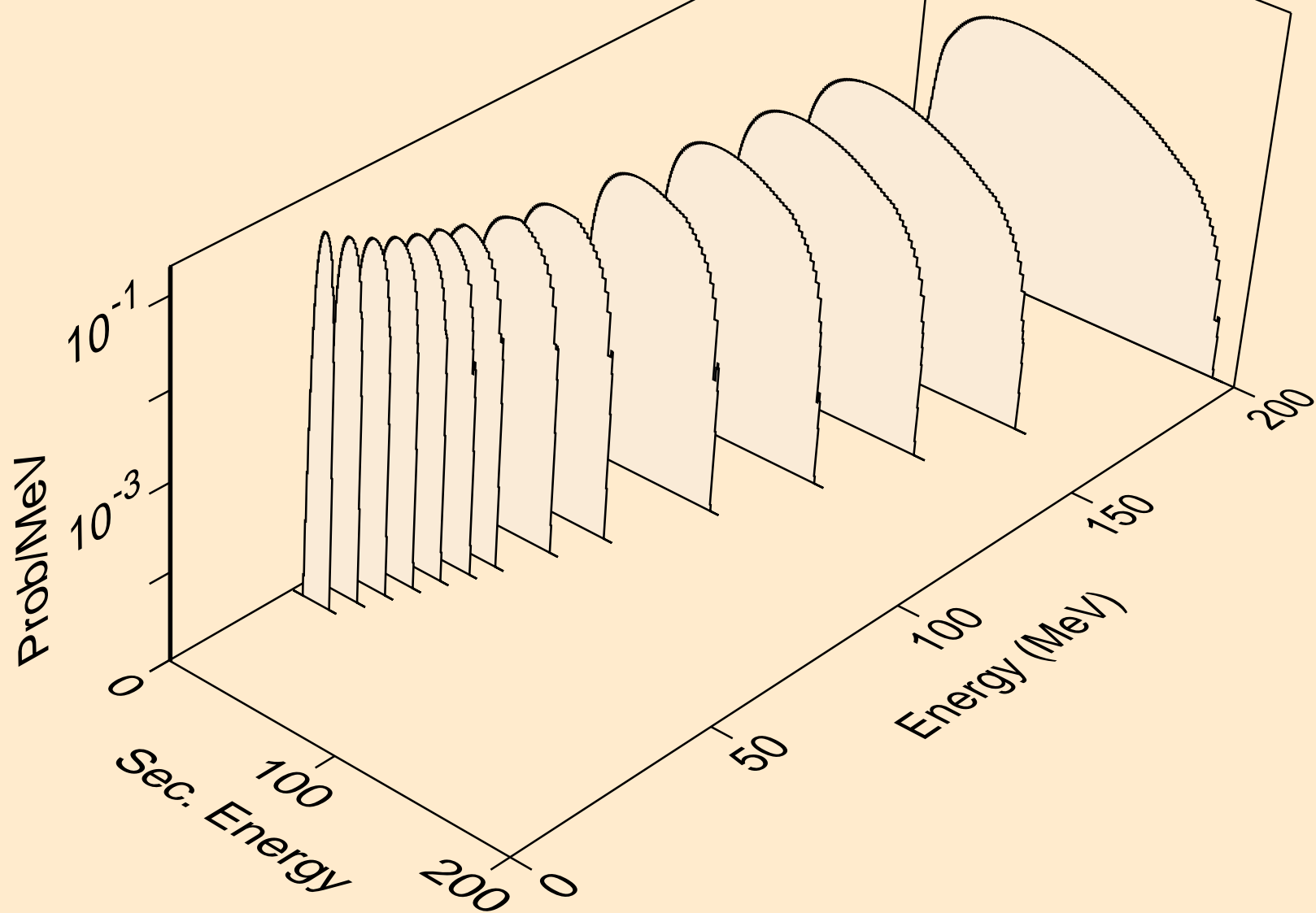
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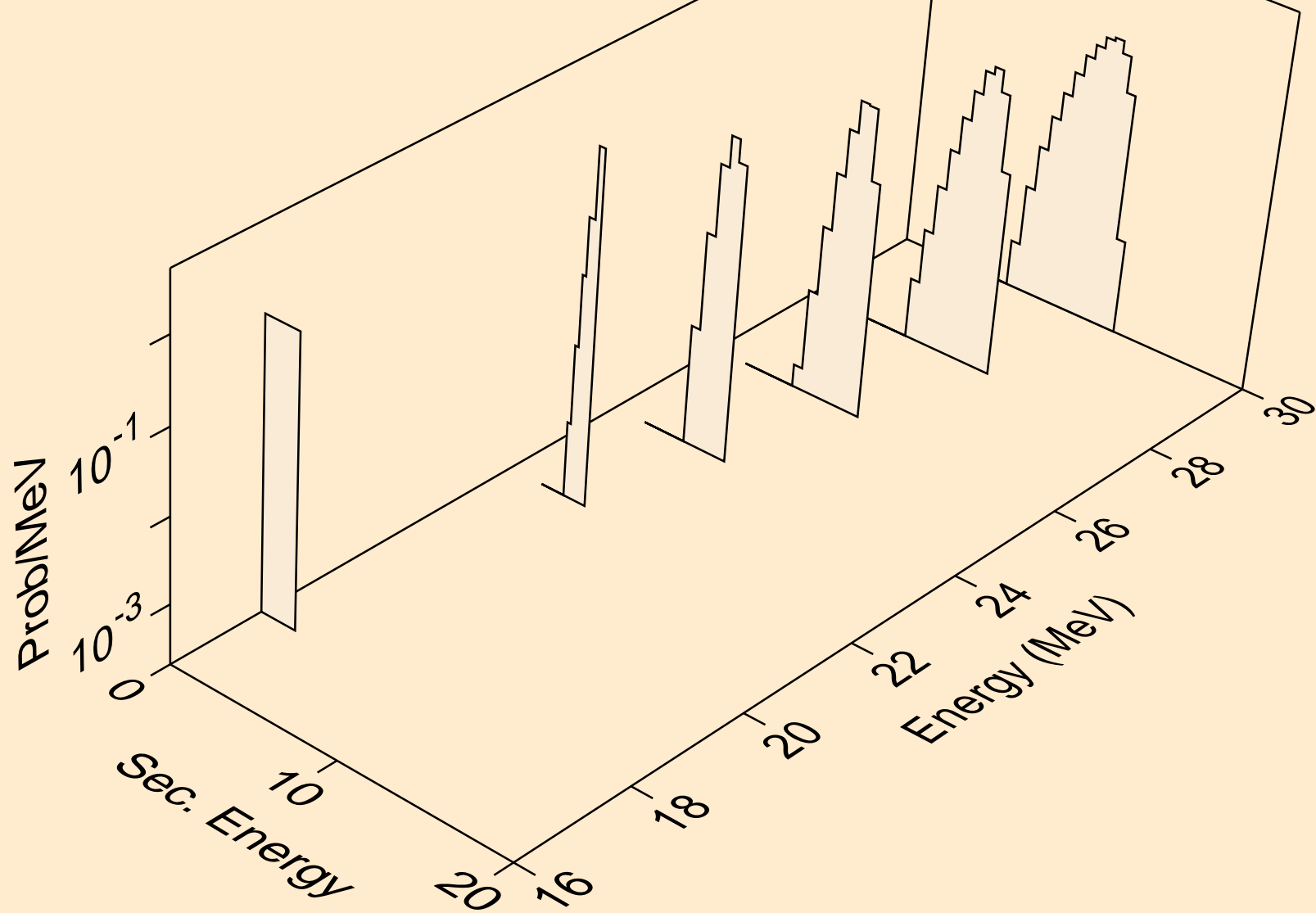
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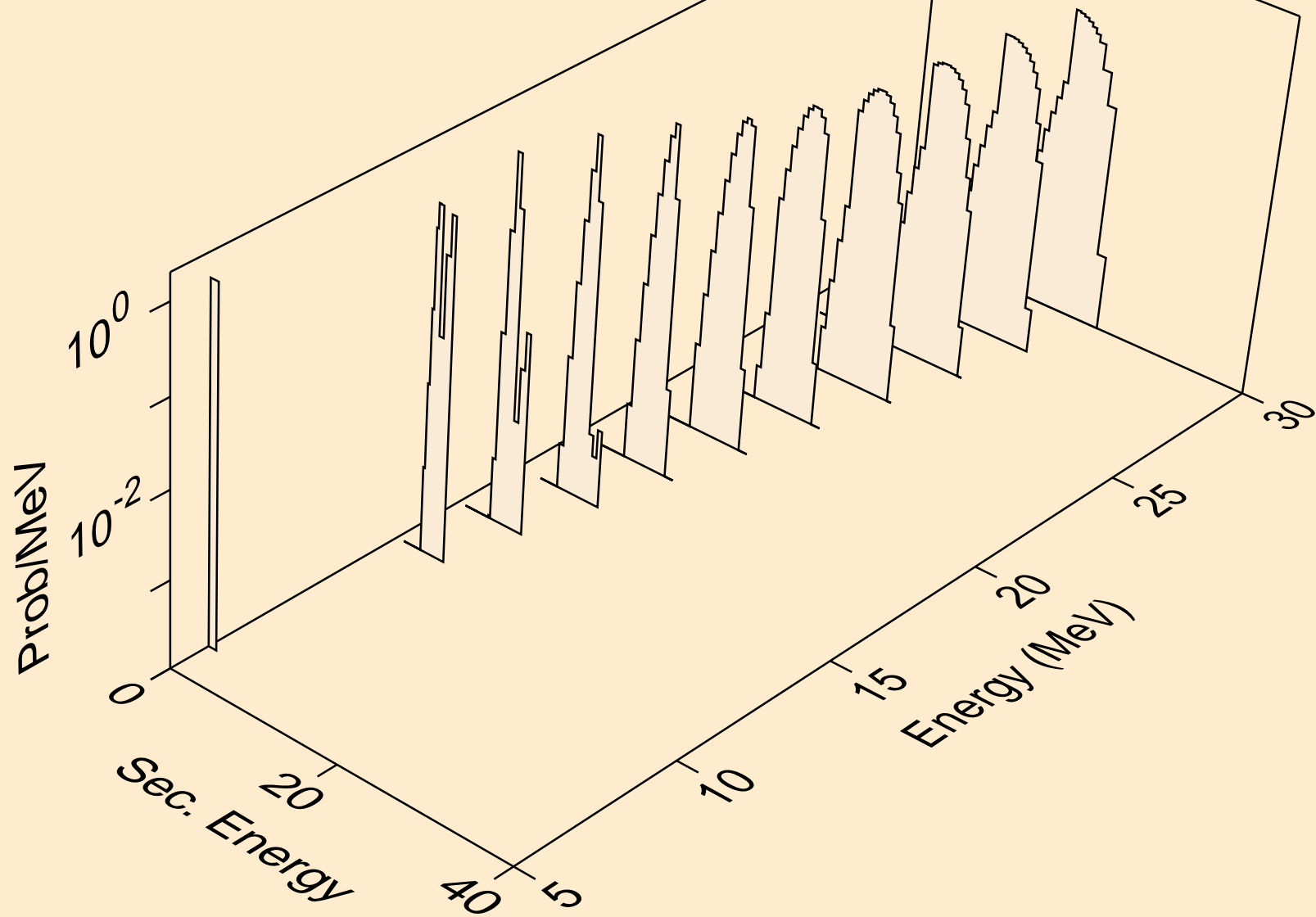
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



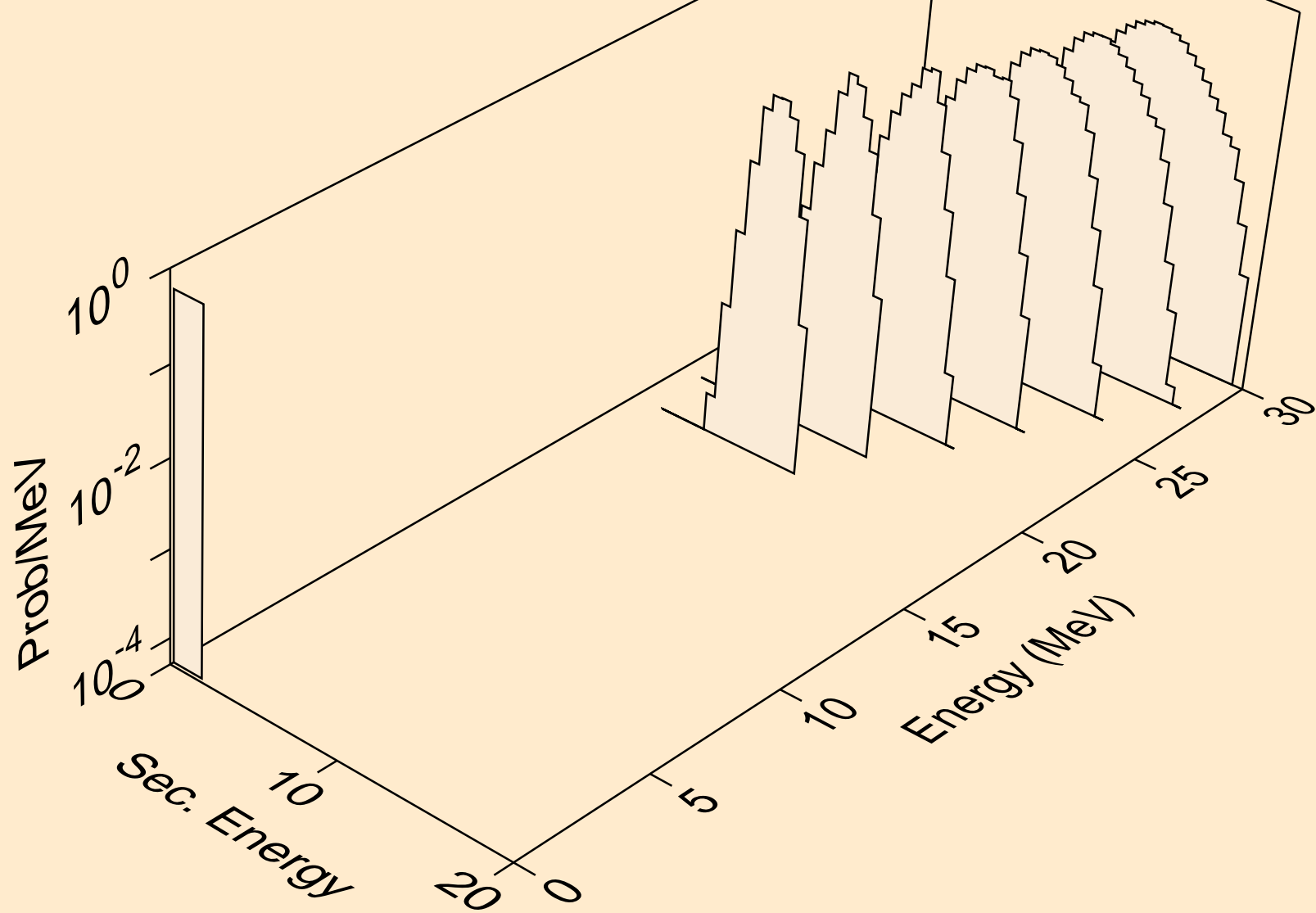
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tritons from (s,n\*)t



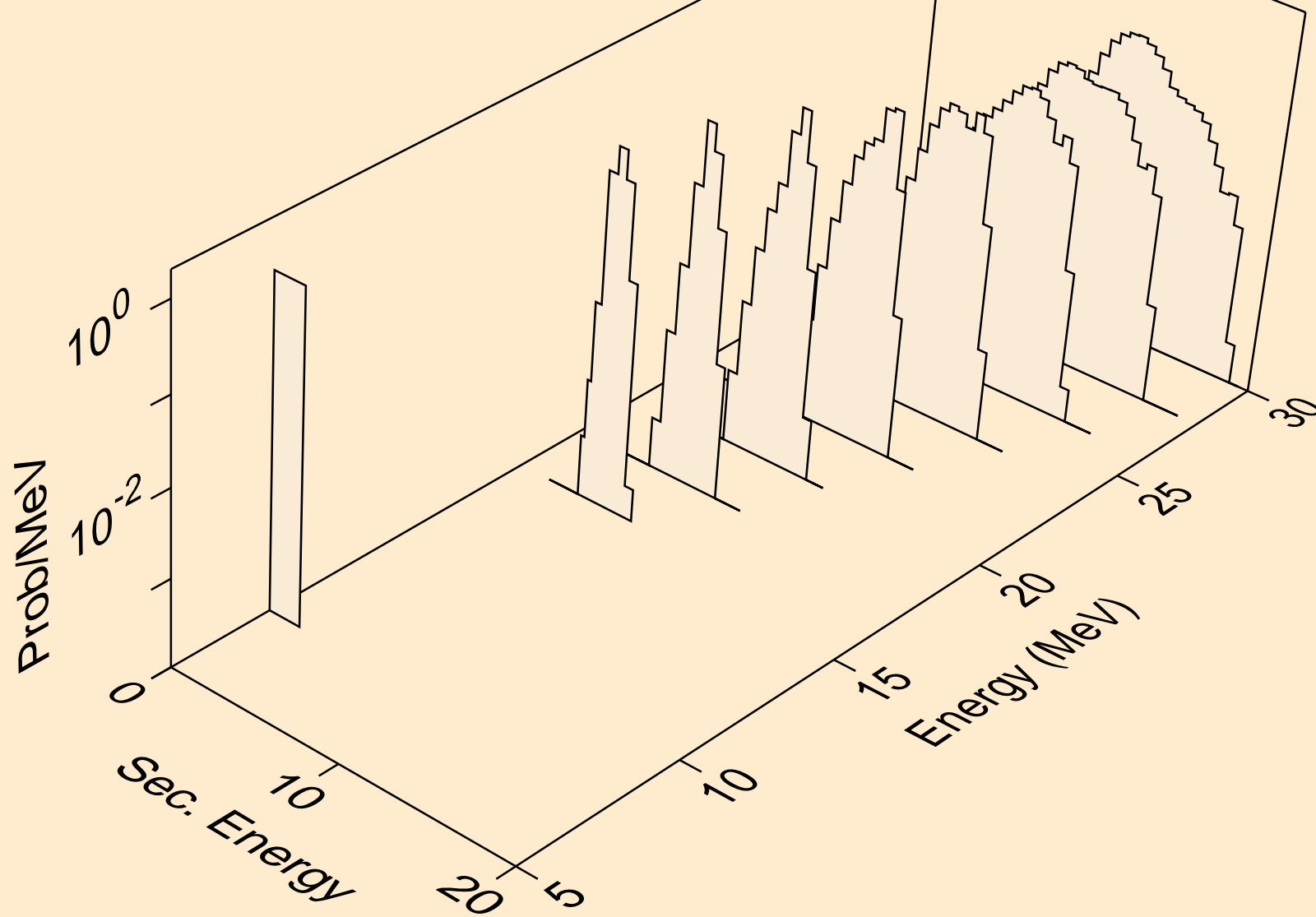
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BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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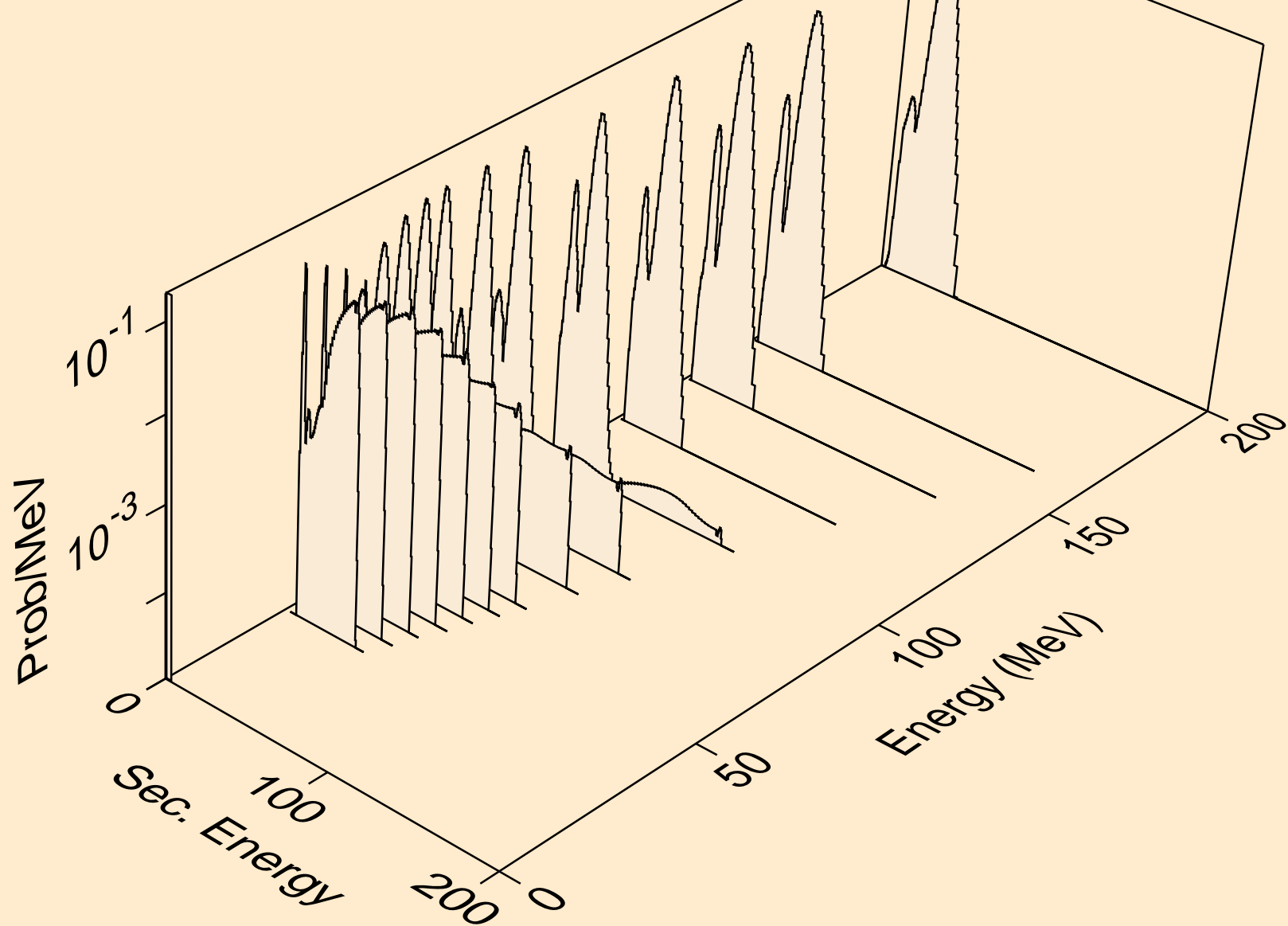


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

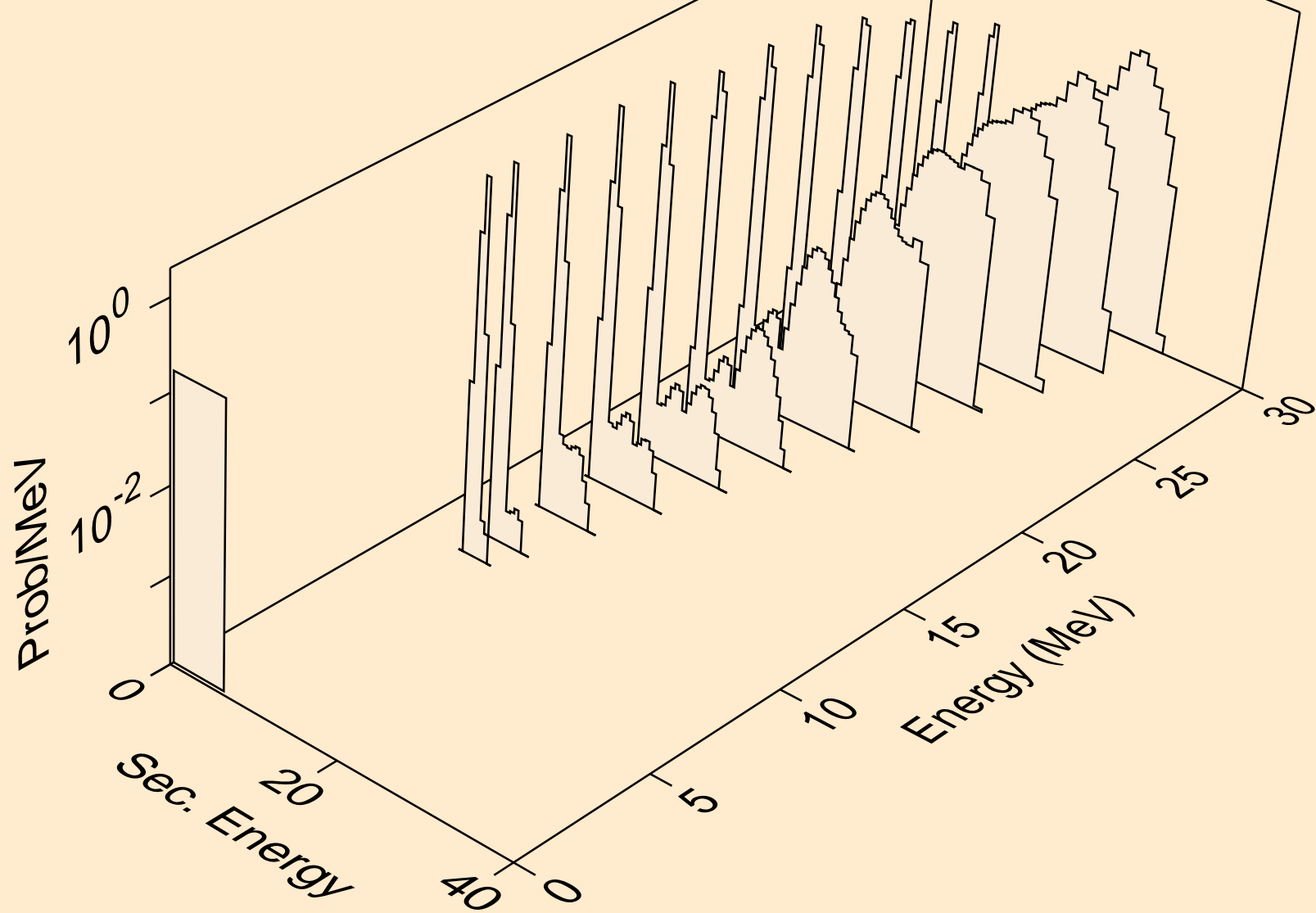




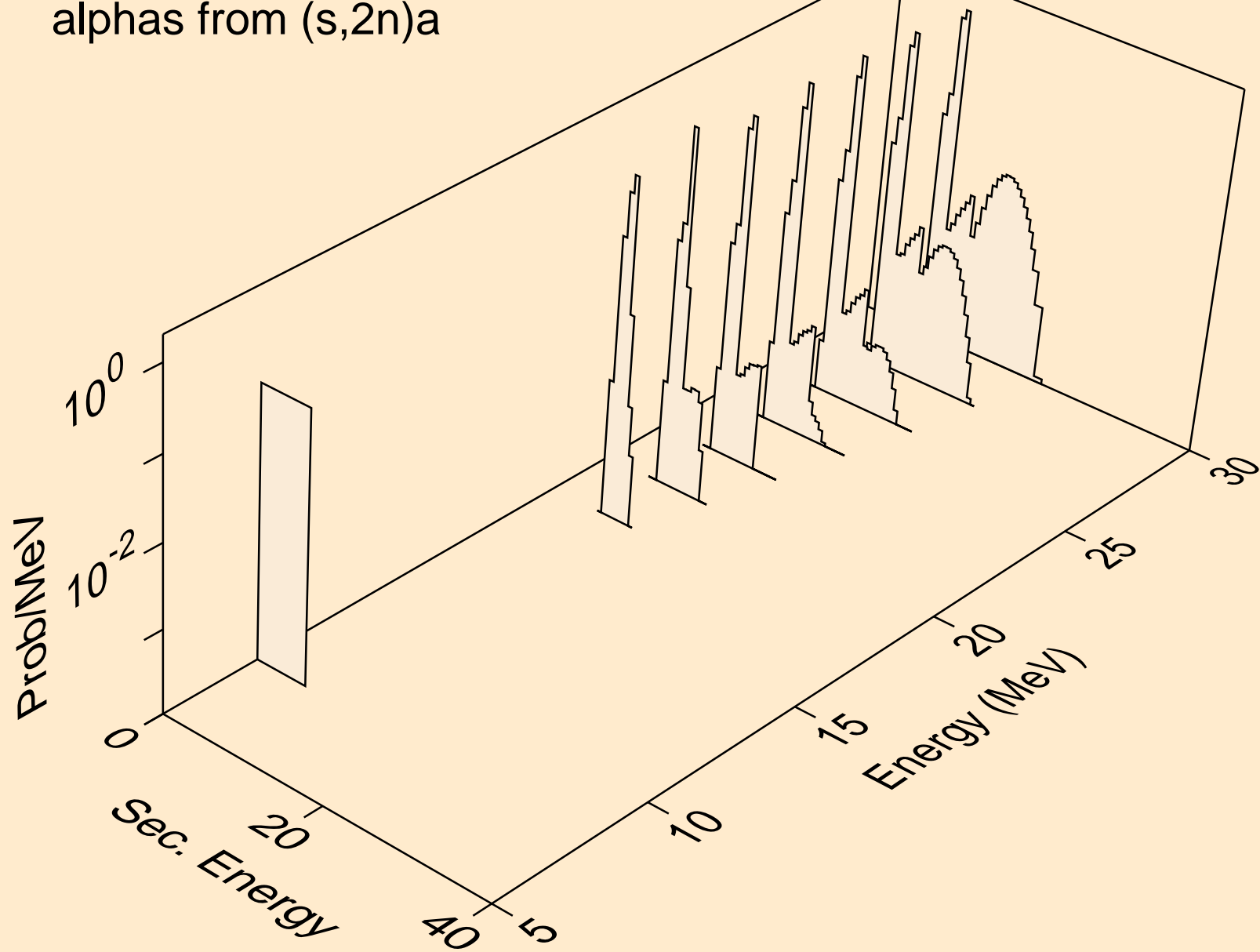
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



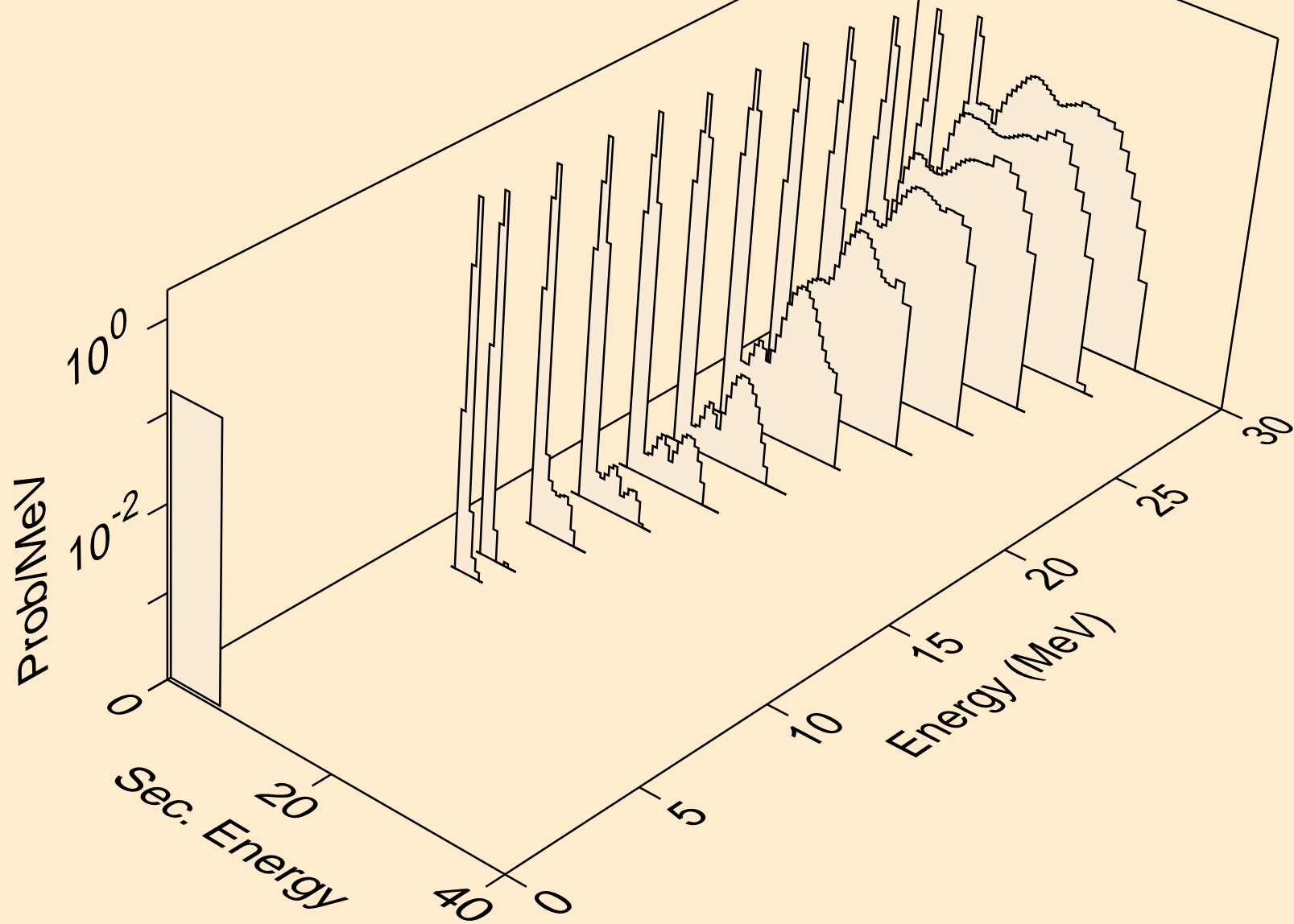
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



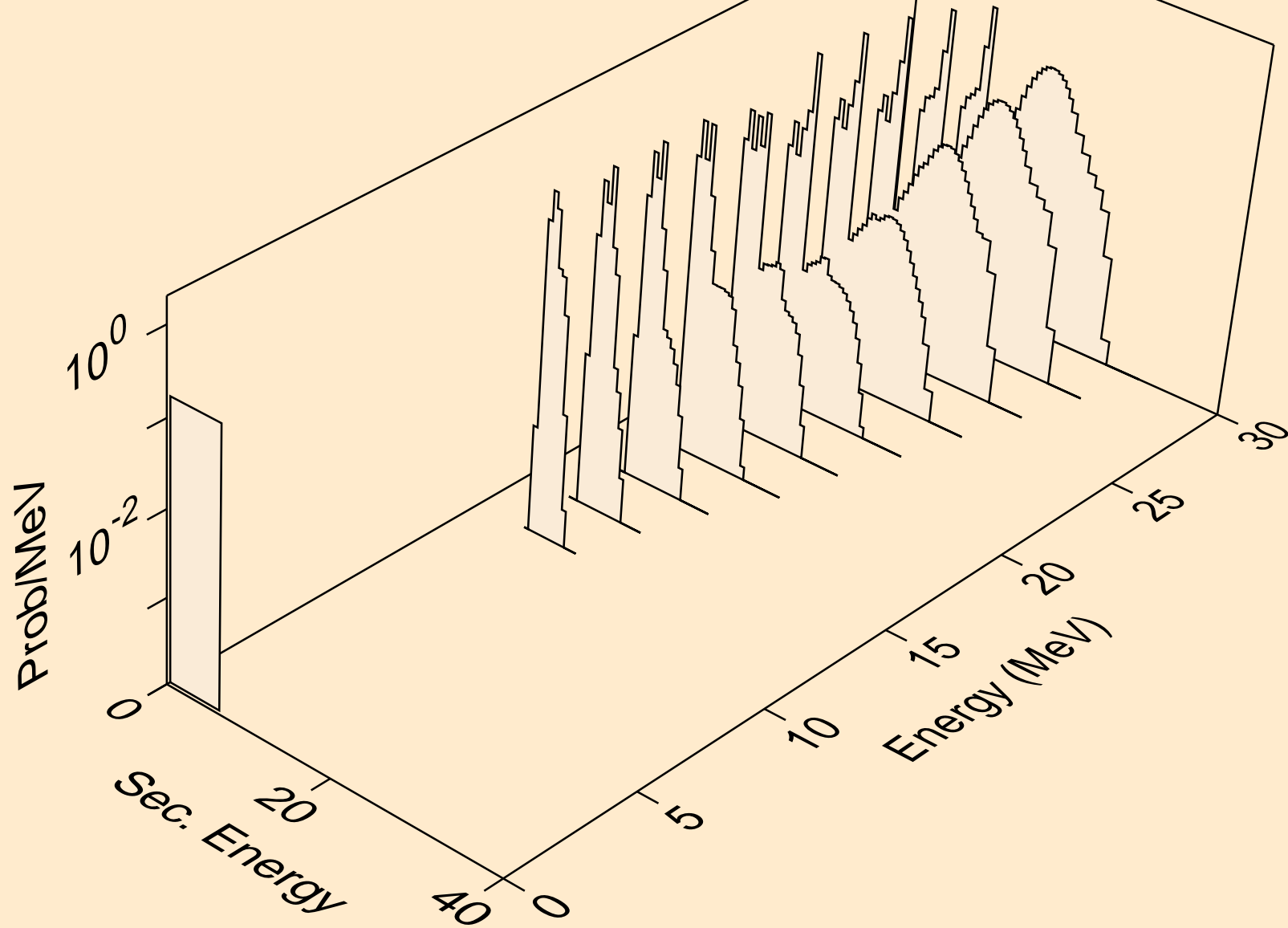
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



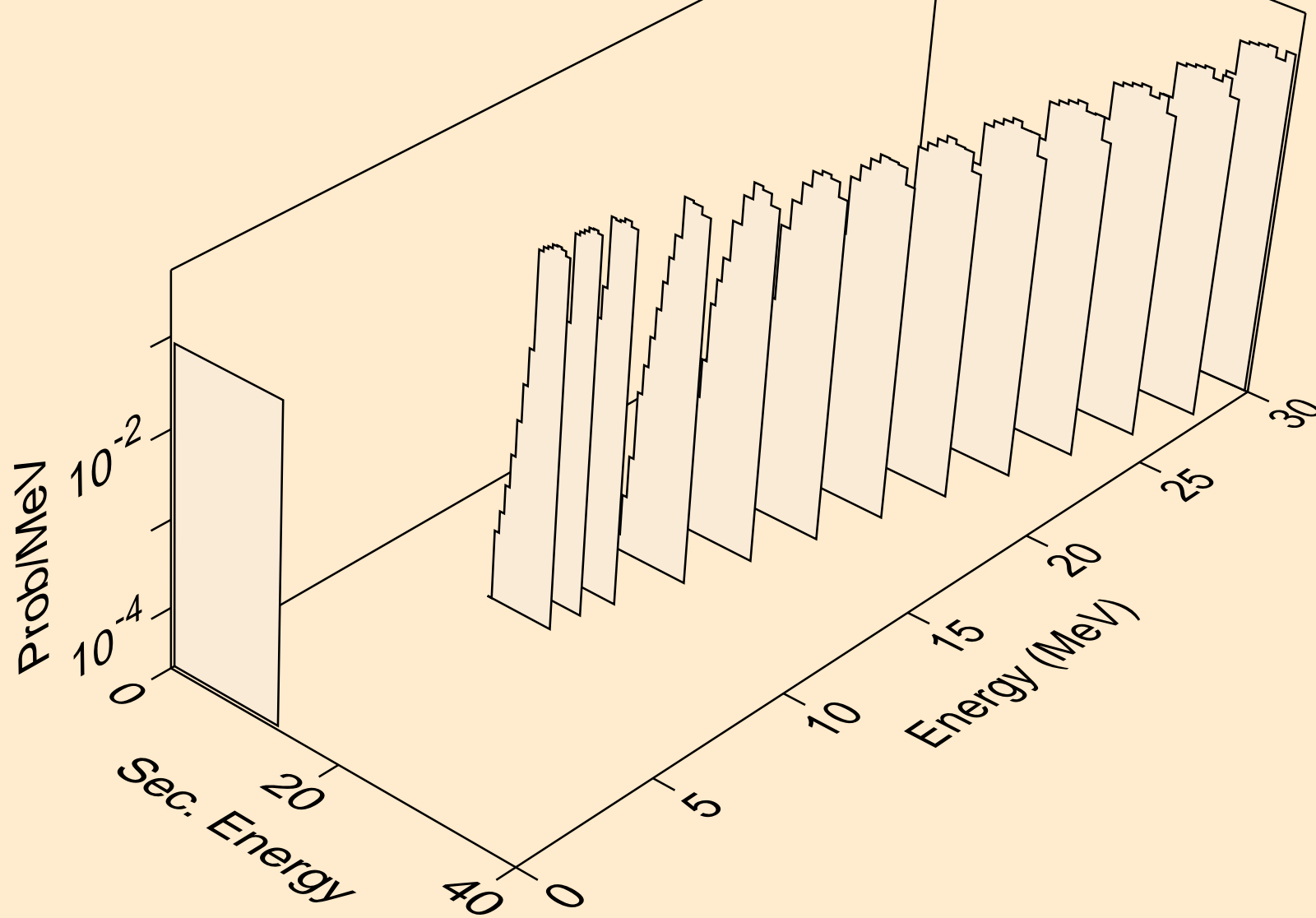
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alphas from (s,n\*)2a



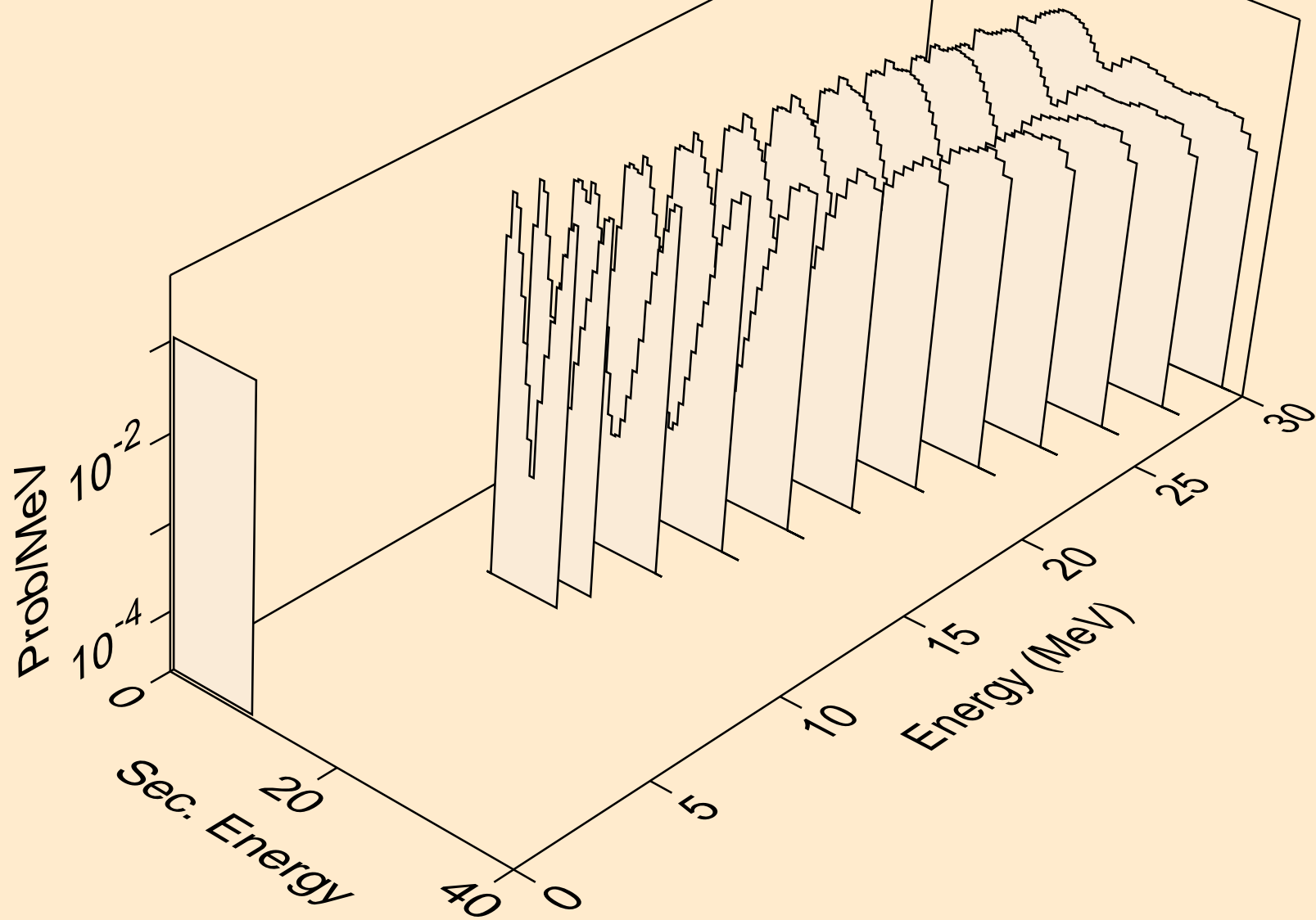
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alphas from (s,npa)



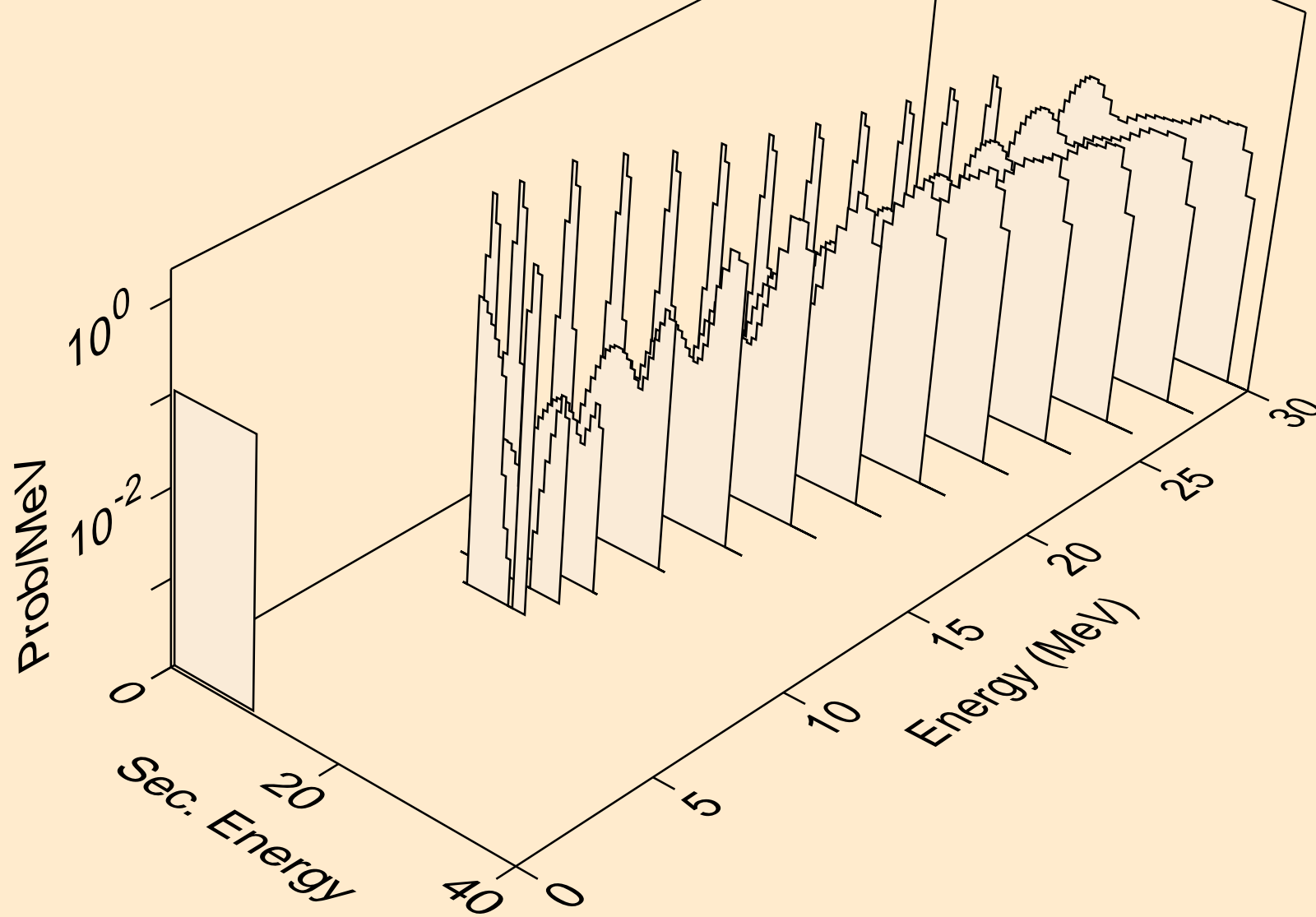
BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)

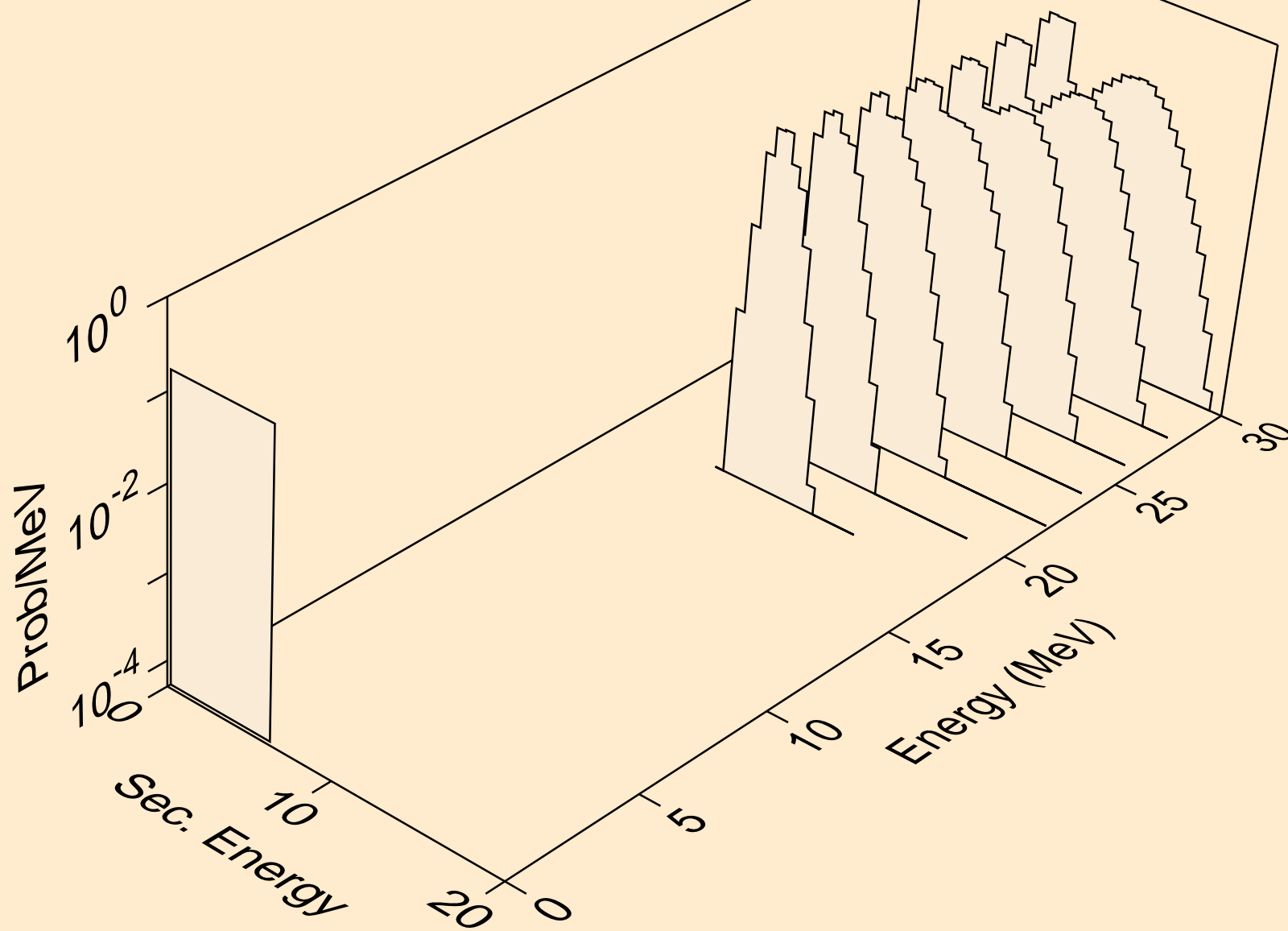


BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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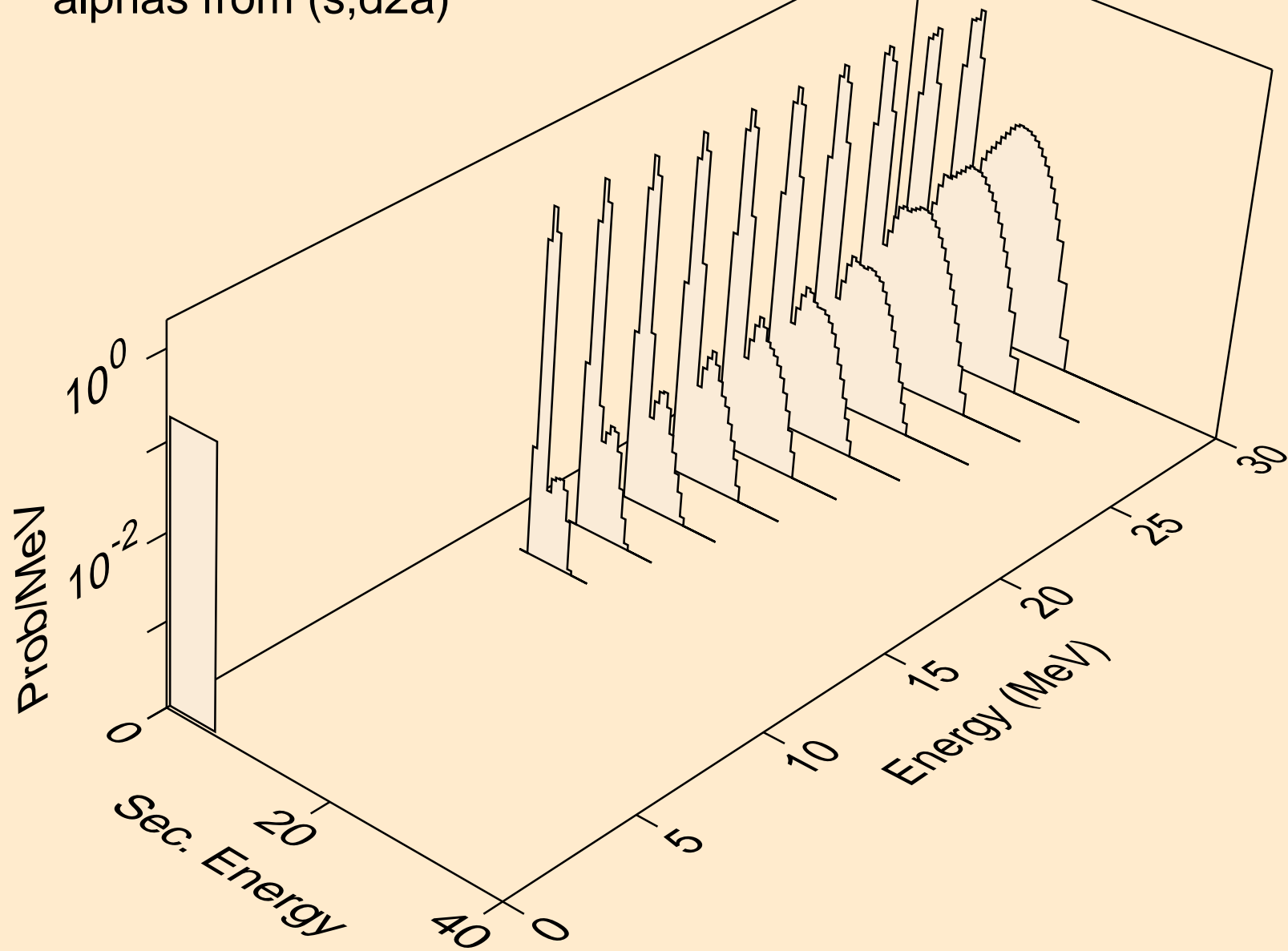




BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



BI190 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

