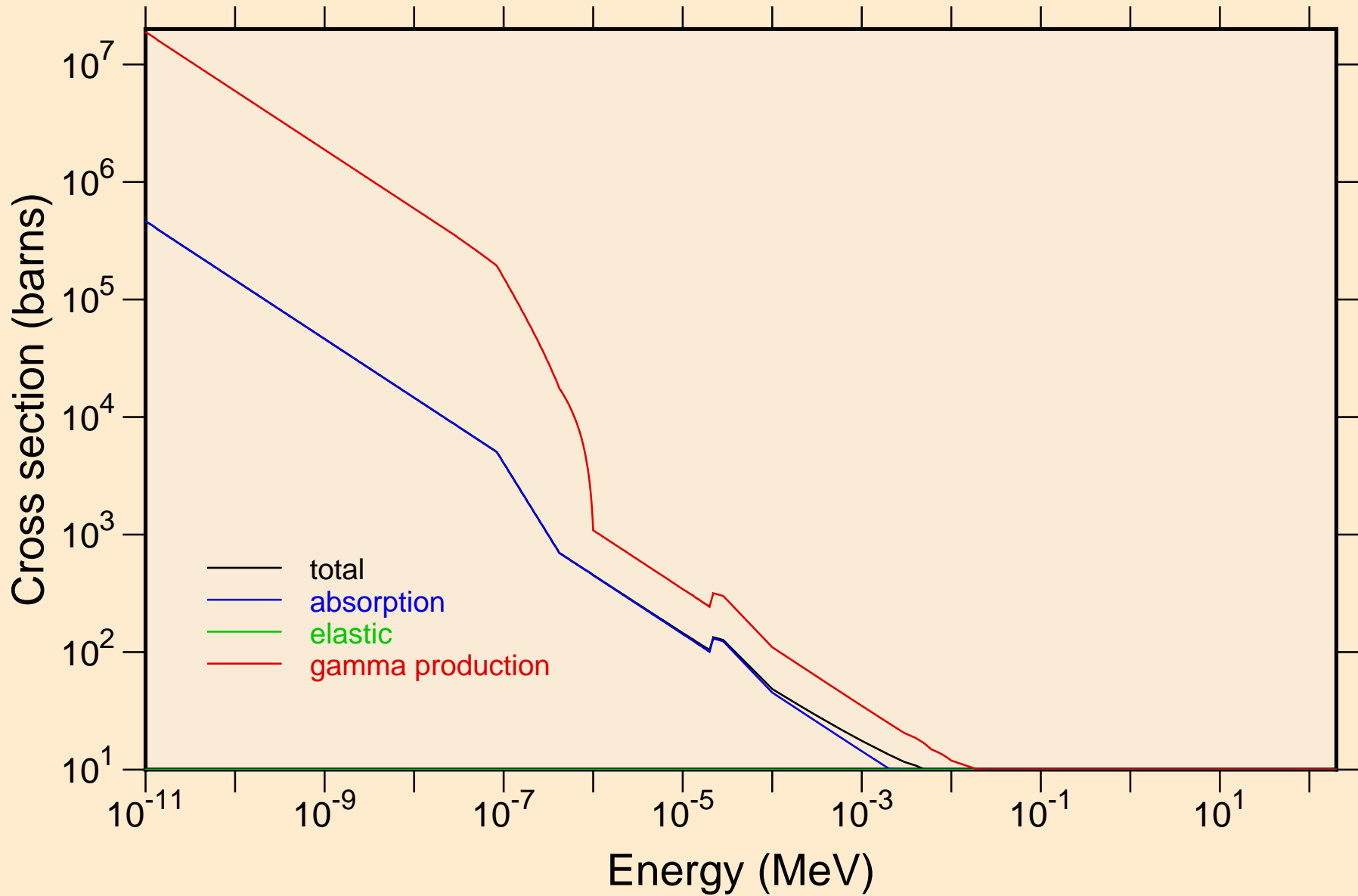
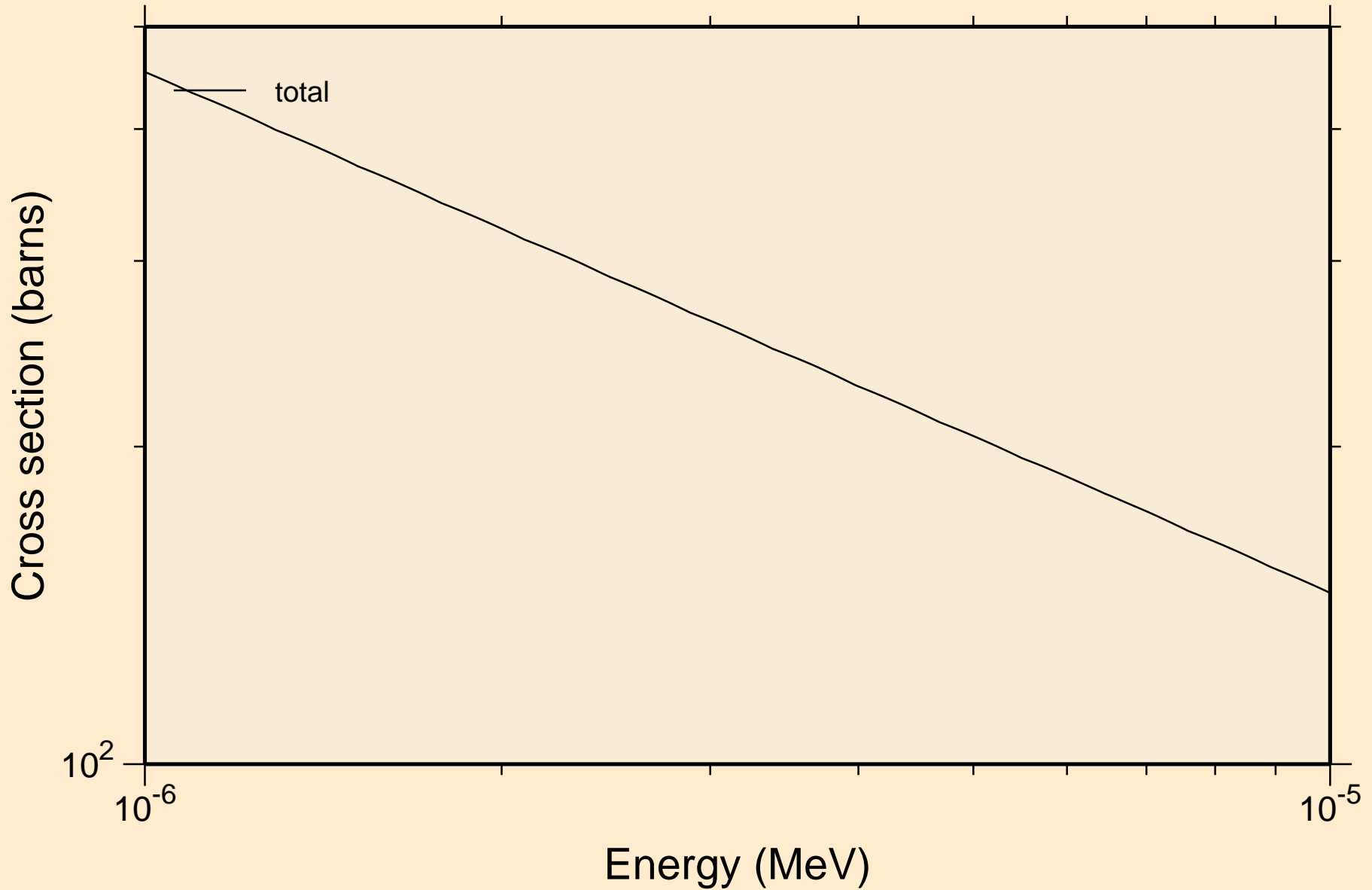


# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

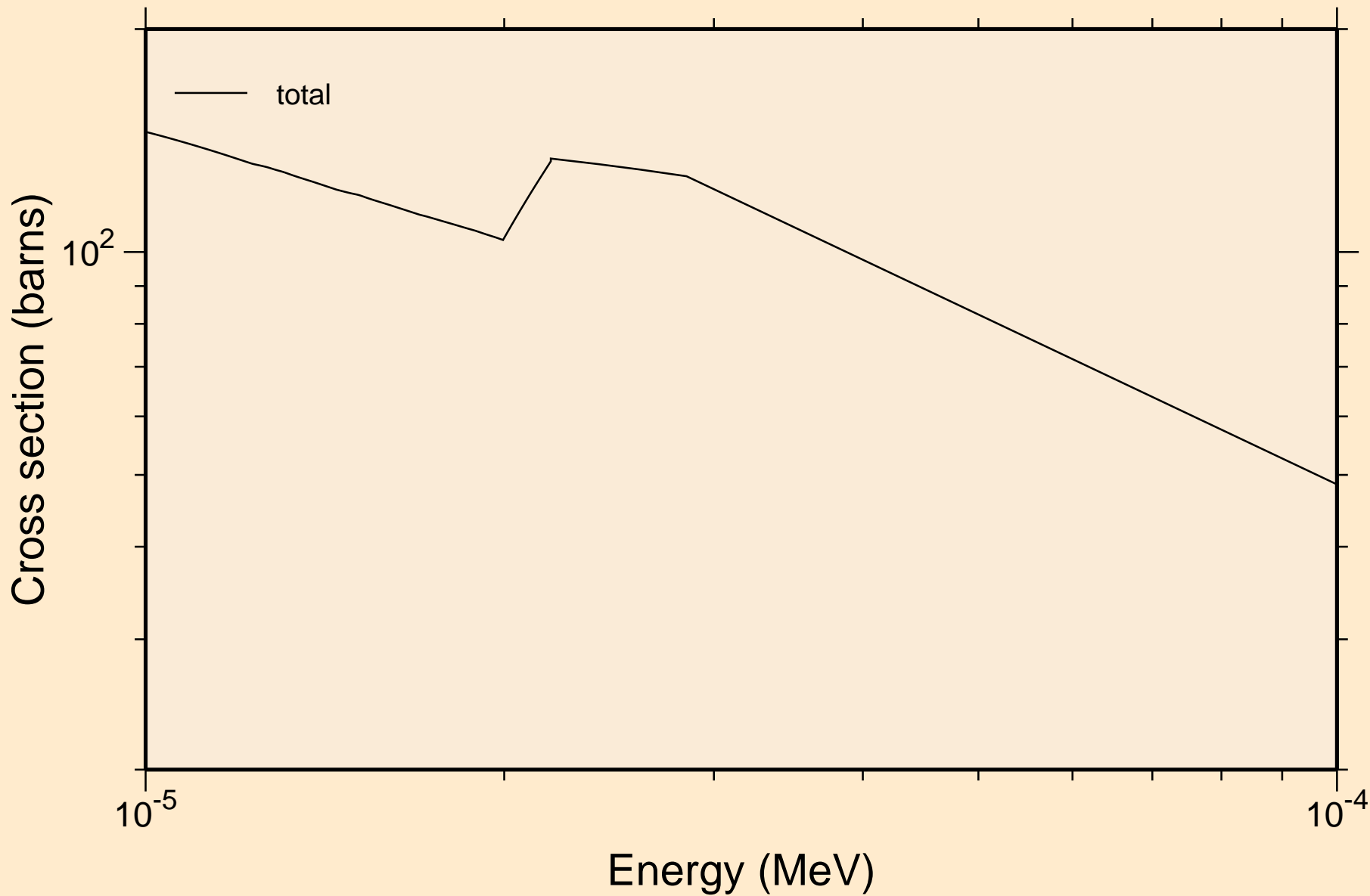
## Principal cross sections



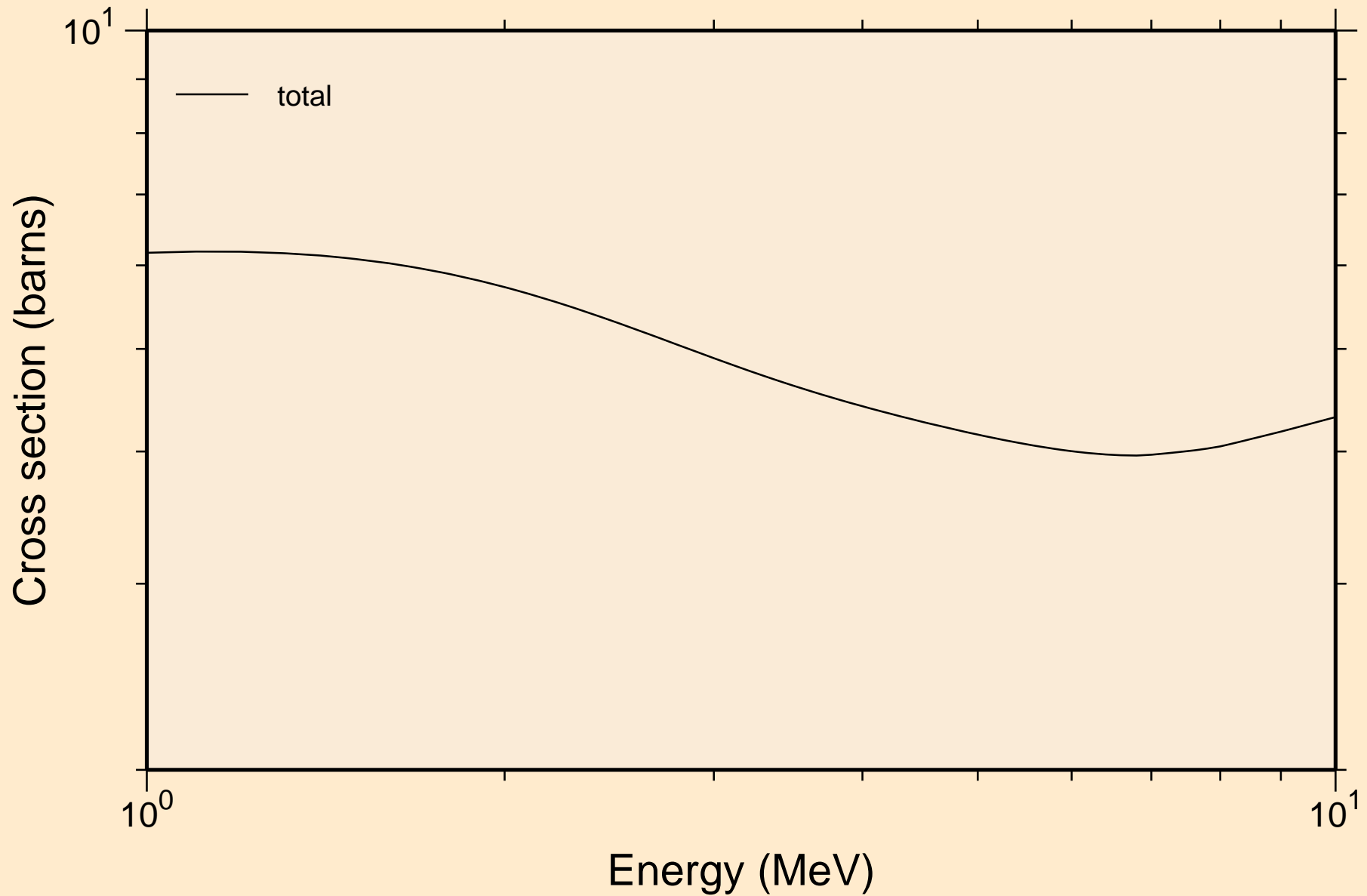
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



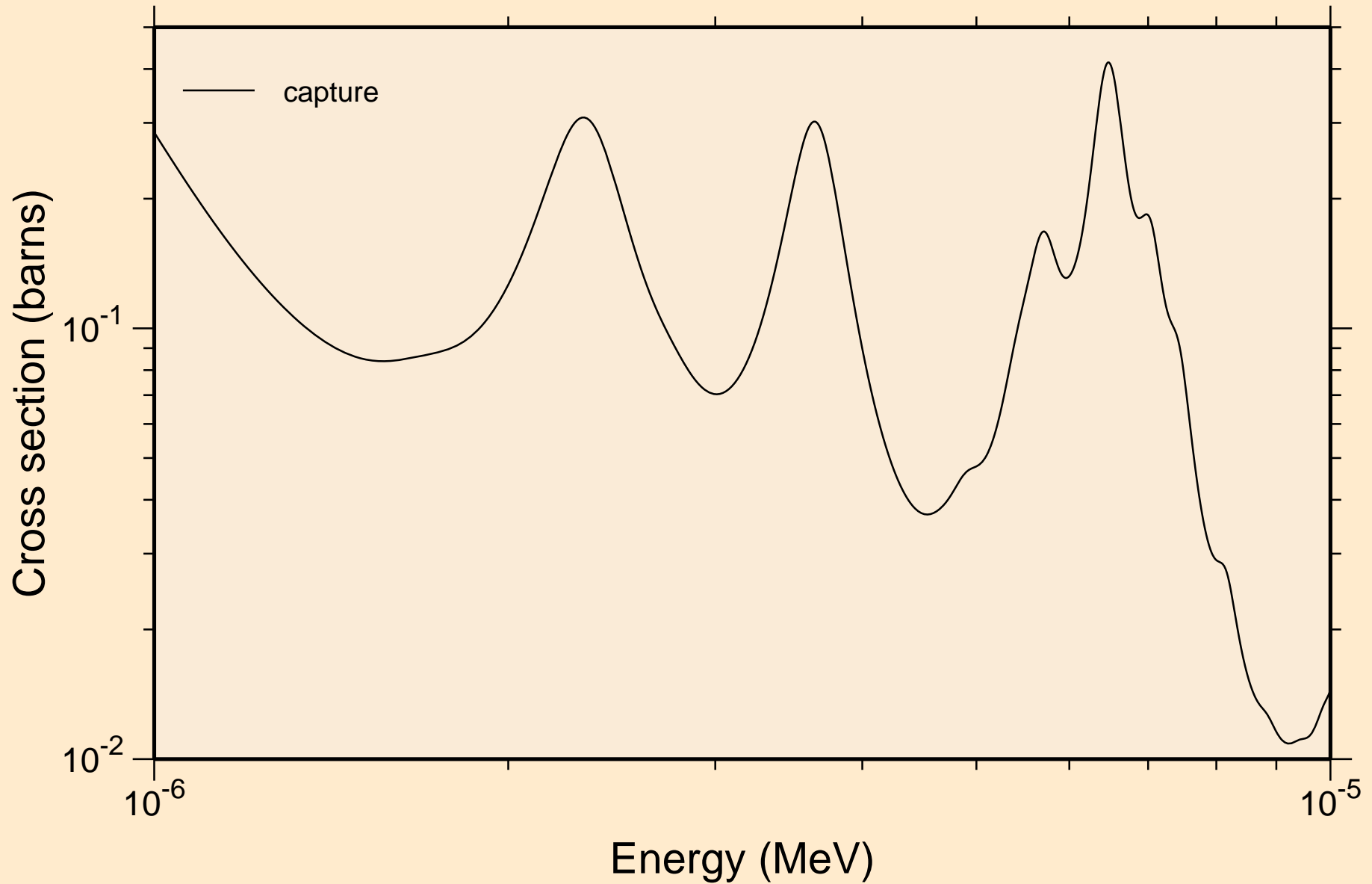
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resonance total cross section



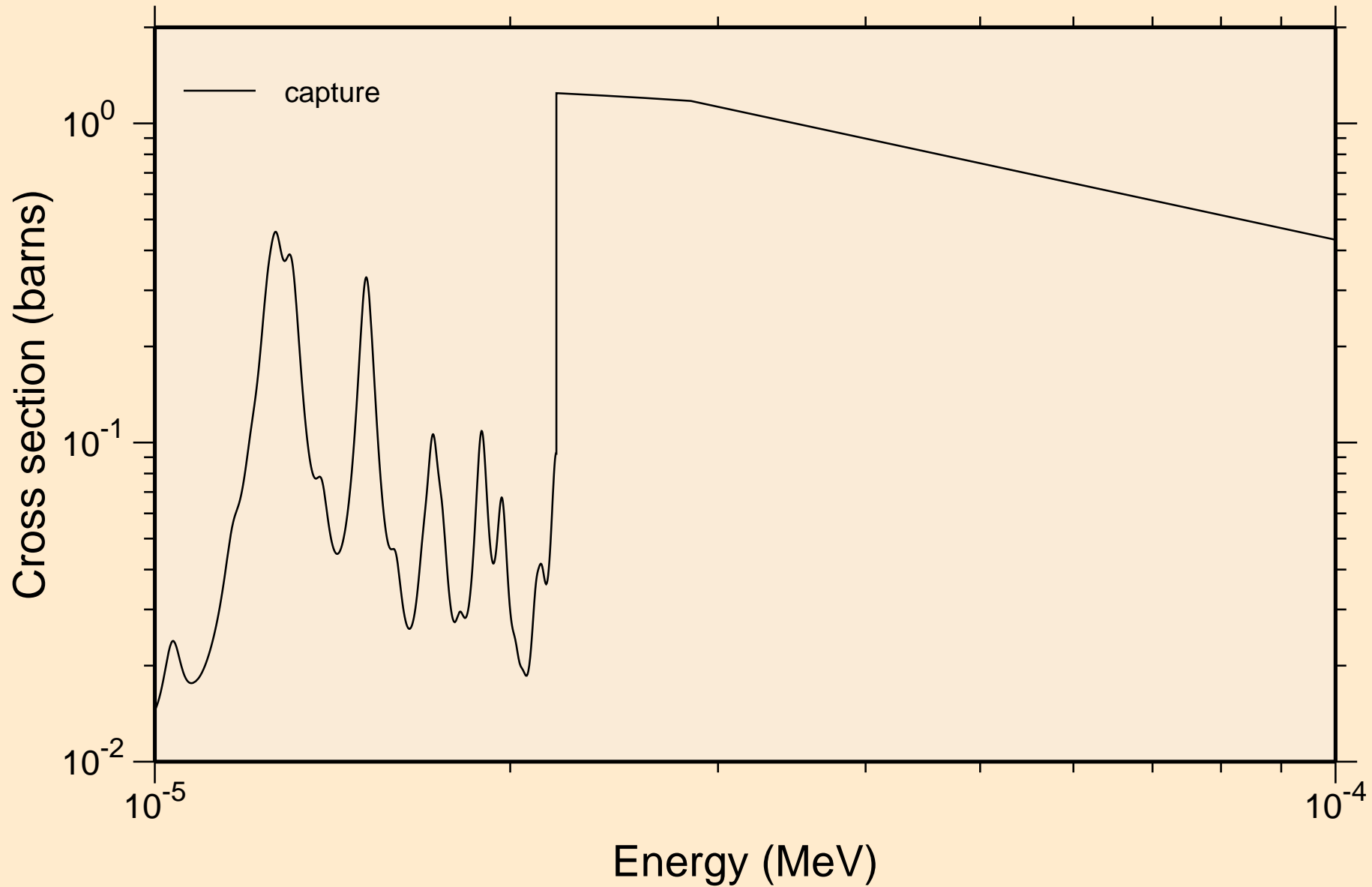
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resonance total cross section



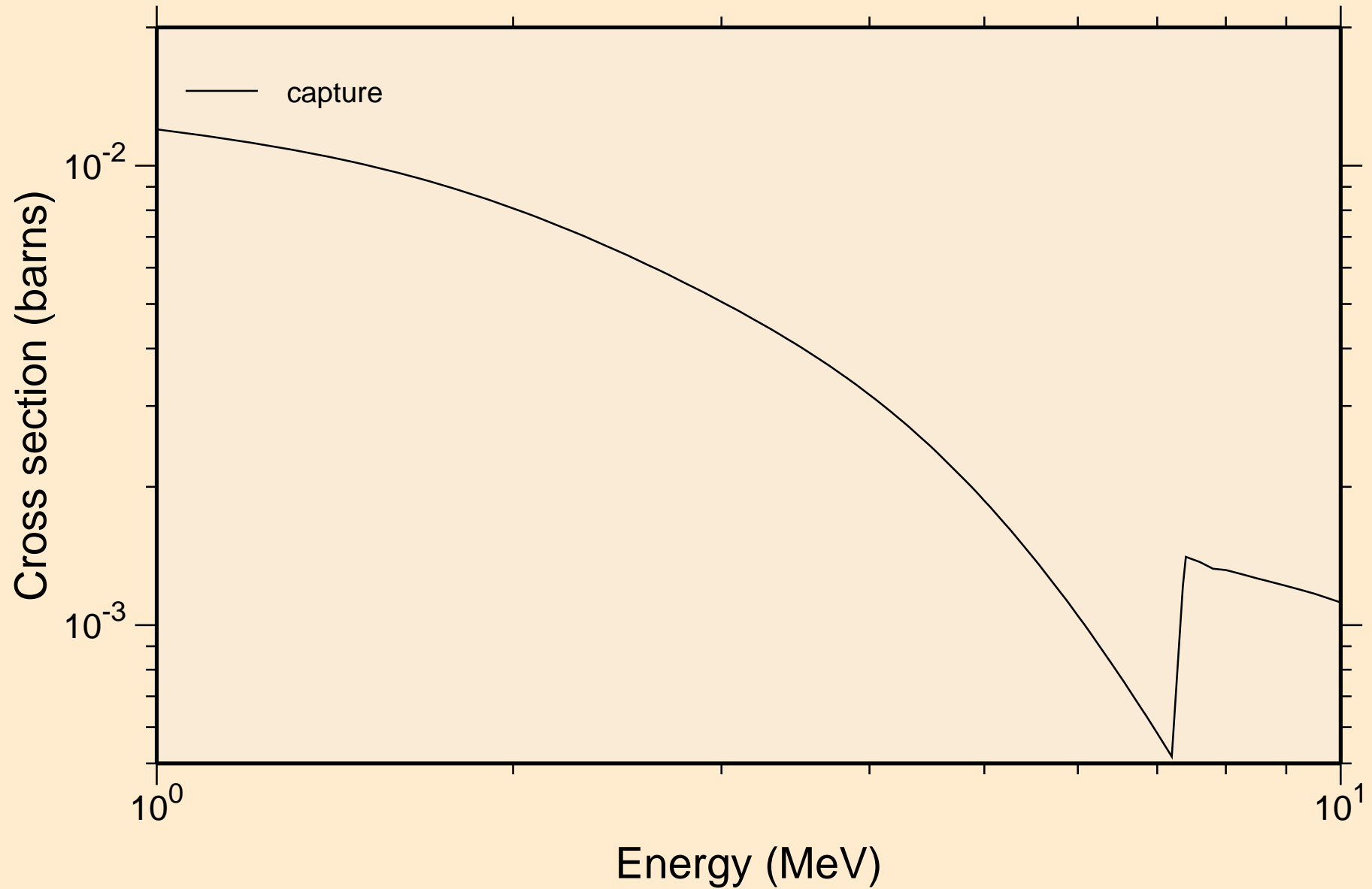
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

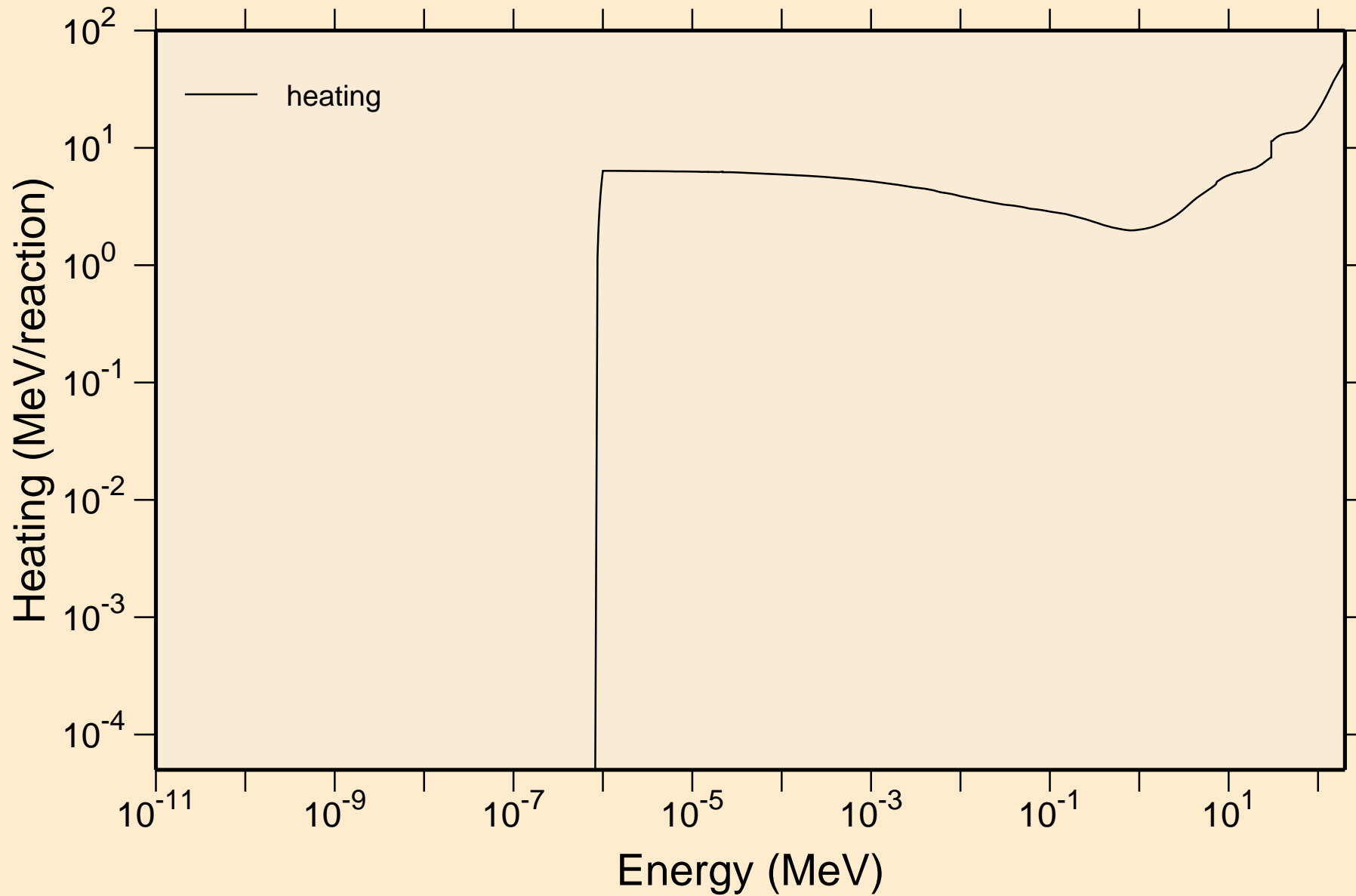


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

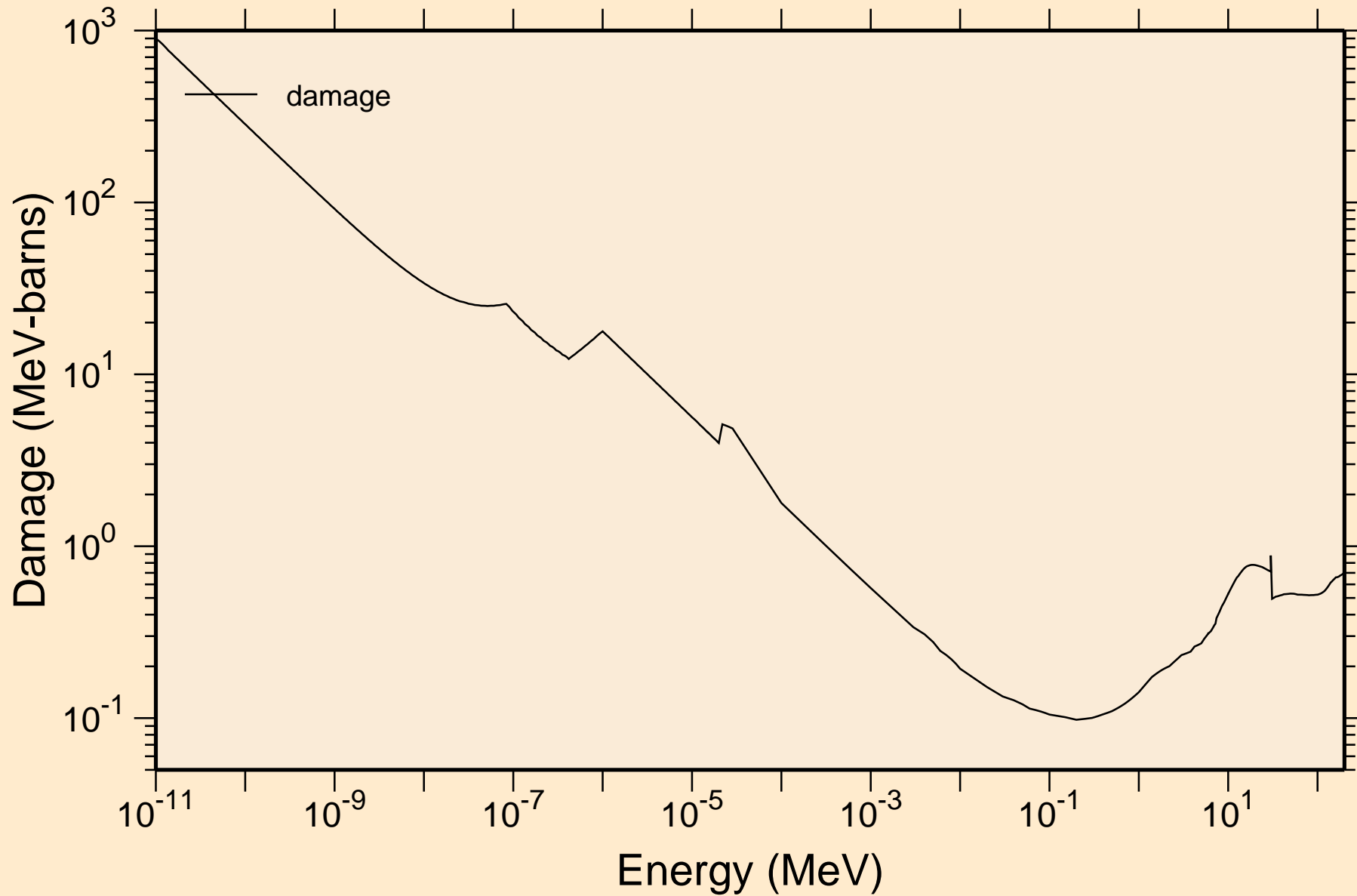
## Heating





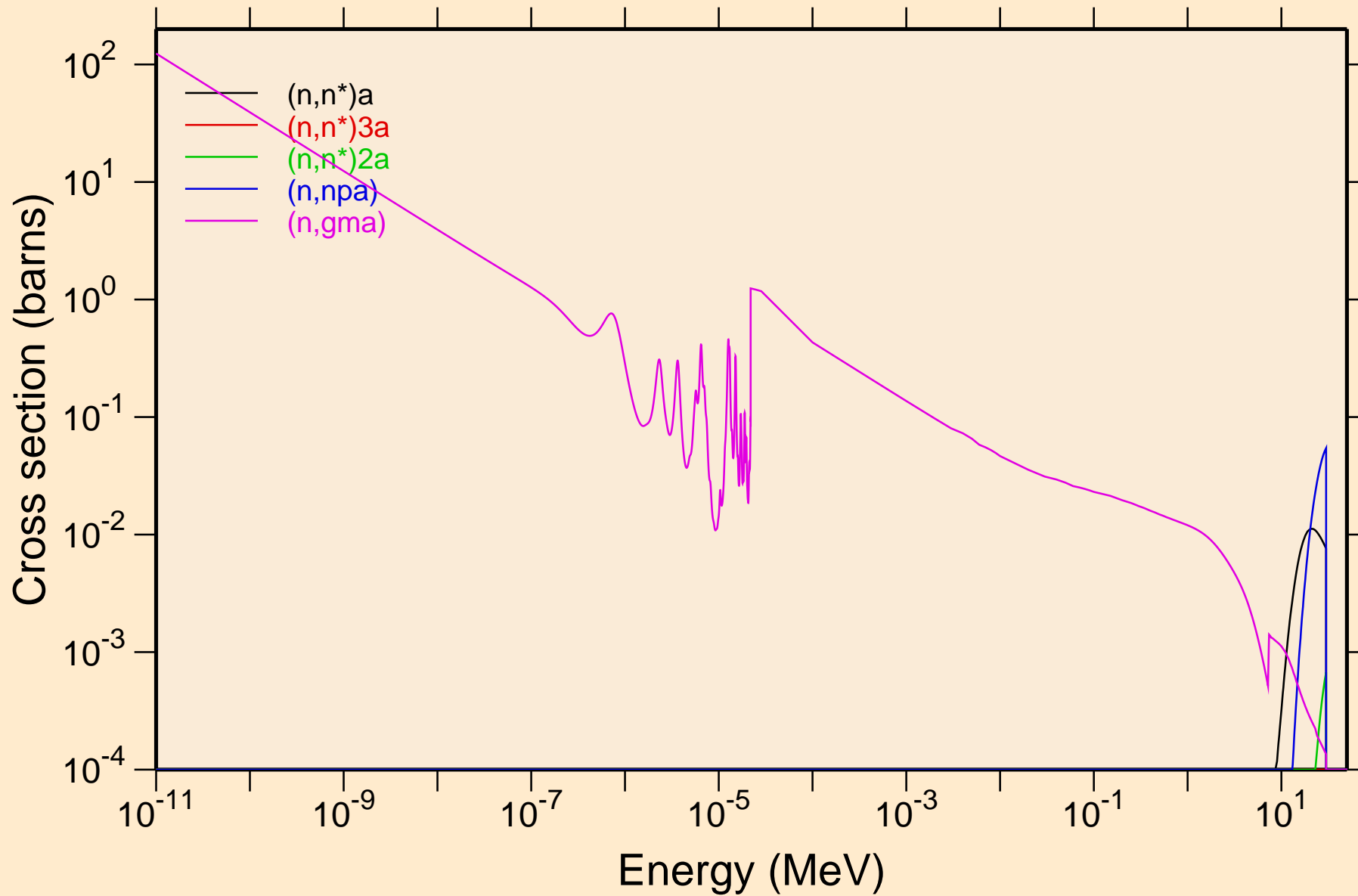
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## Damage



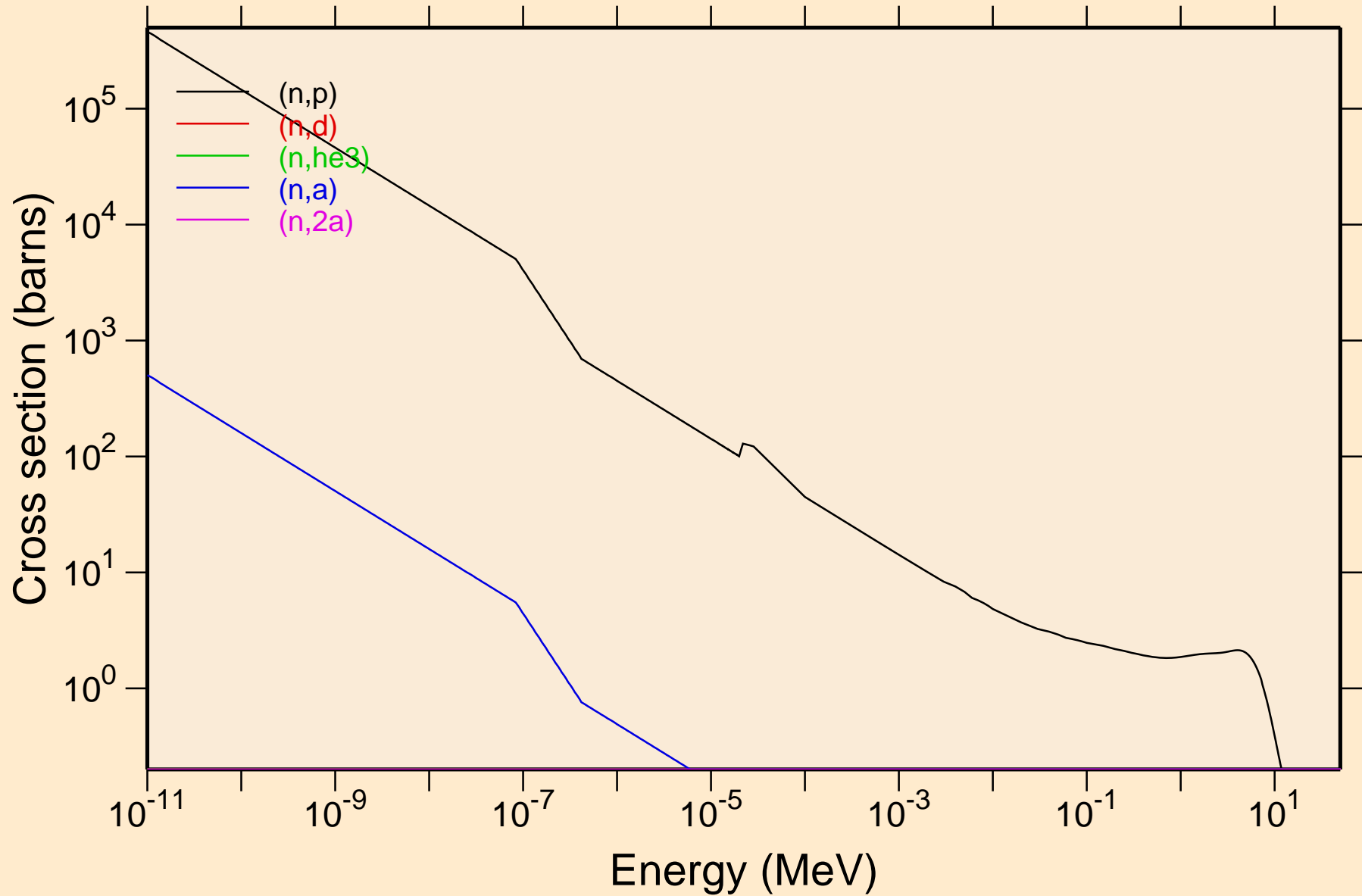
# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

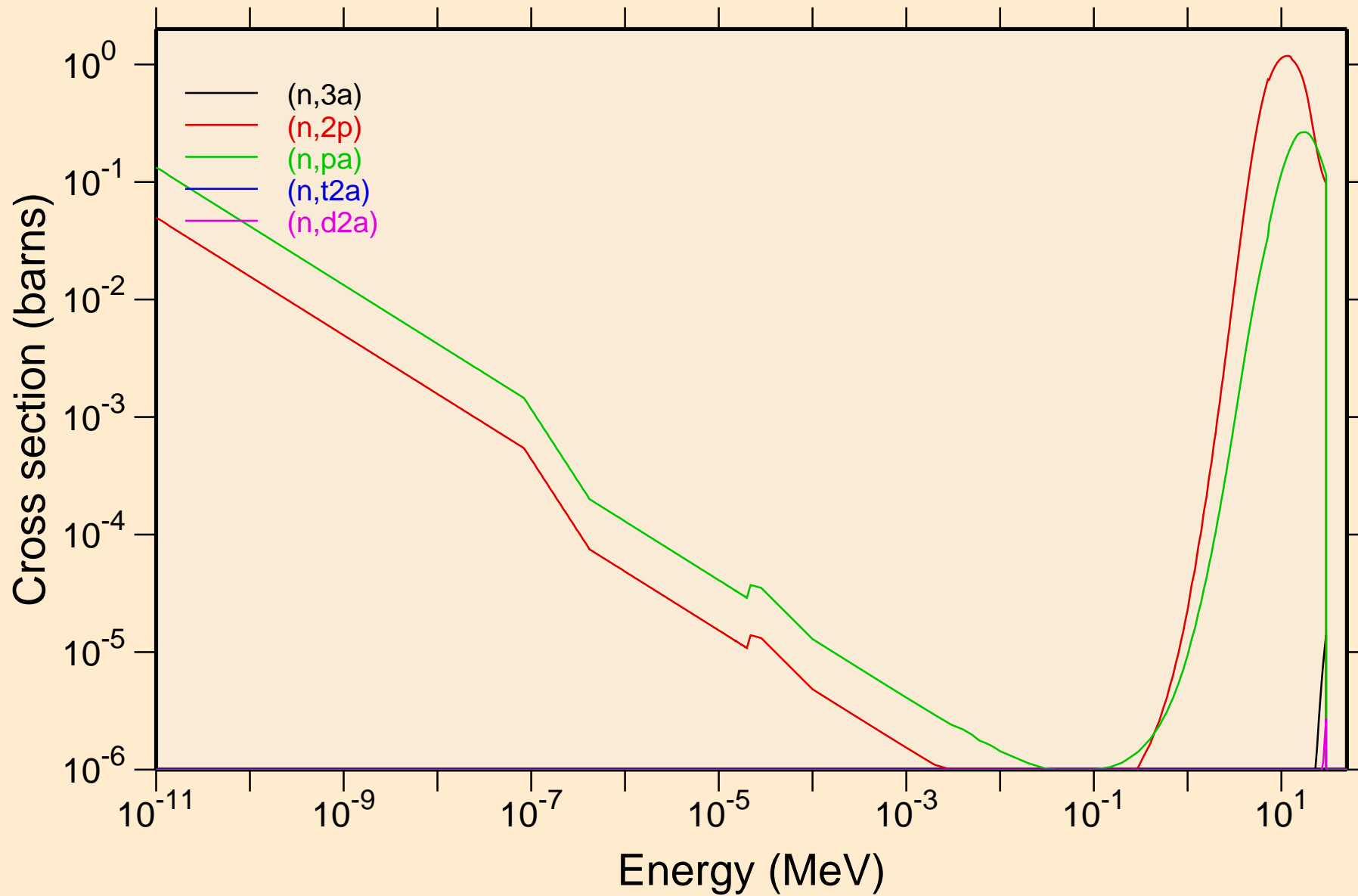


# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

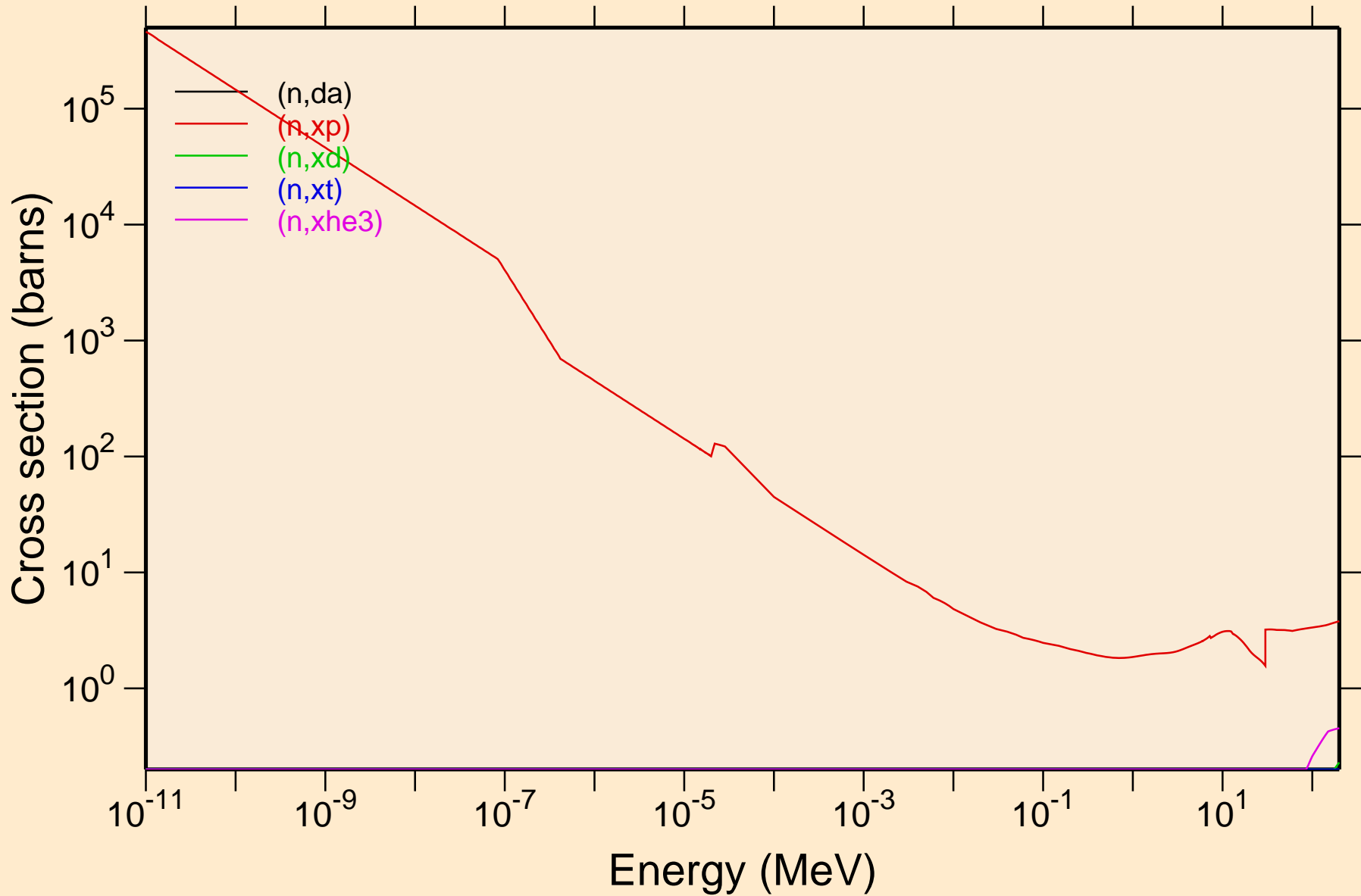


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

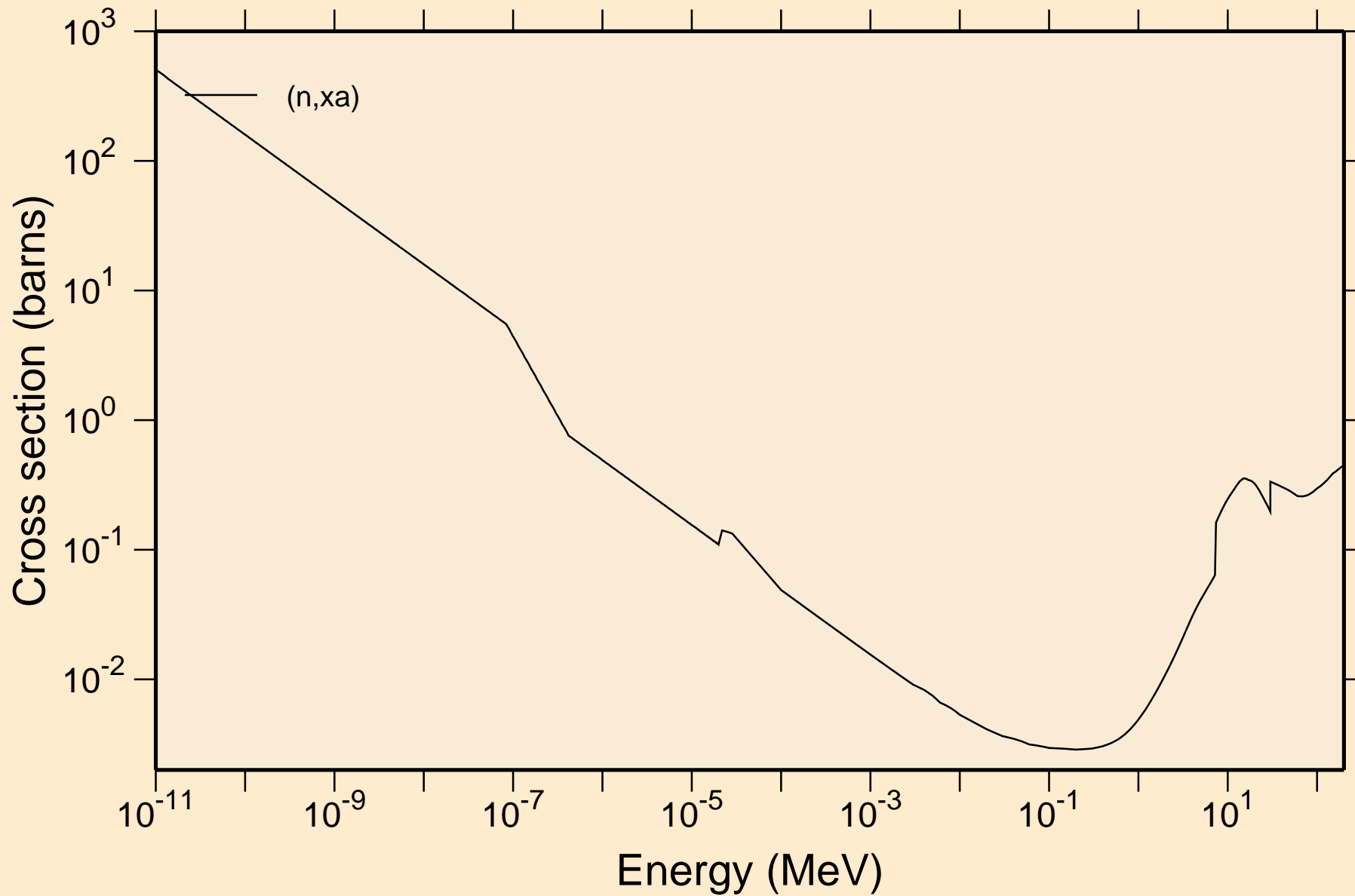


# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

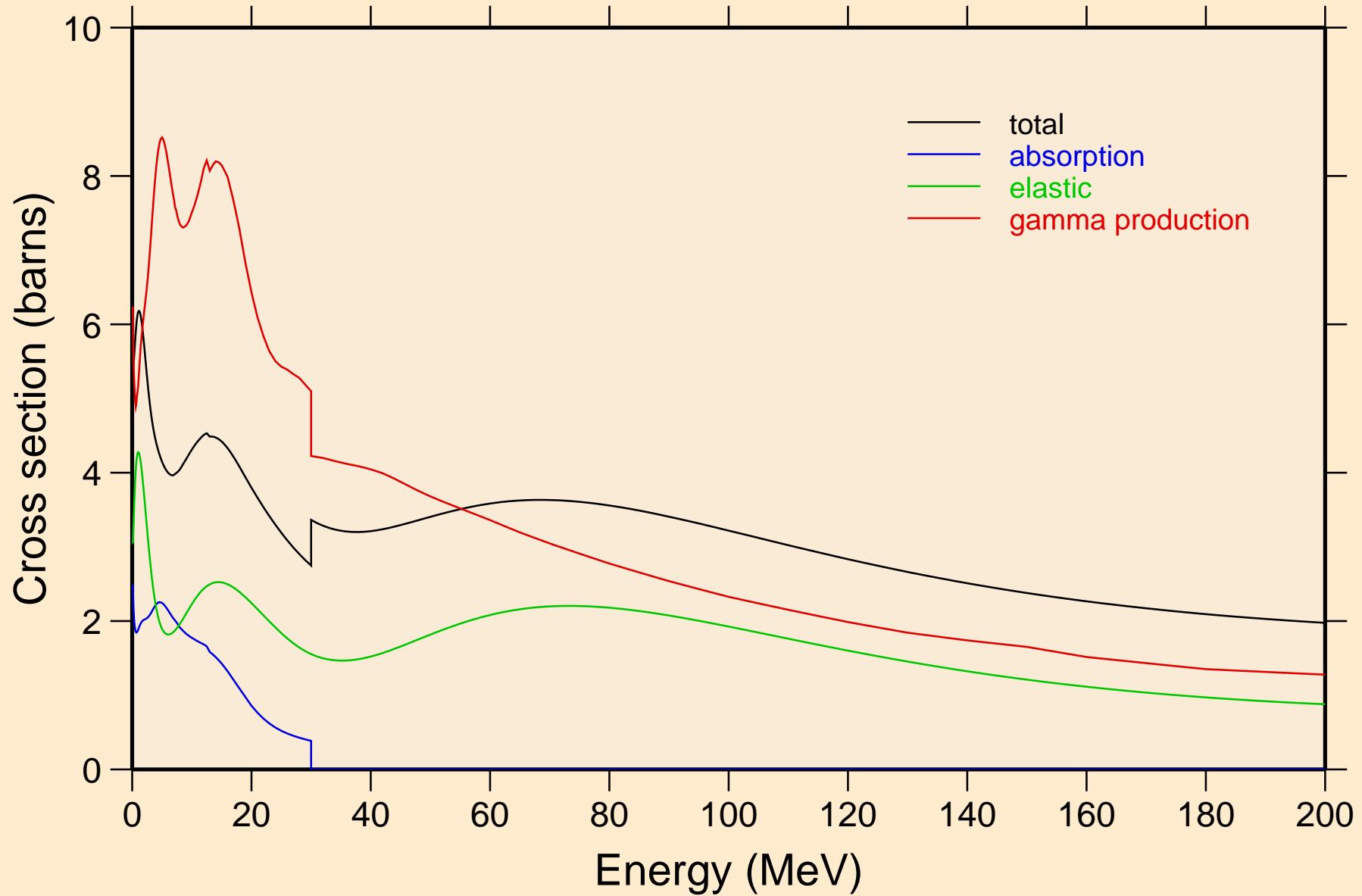


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



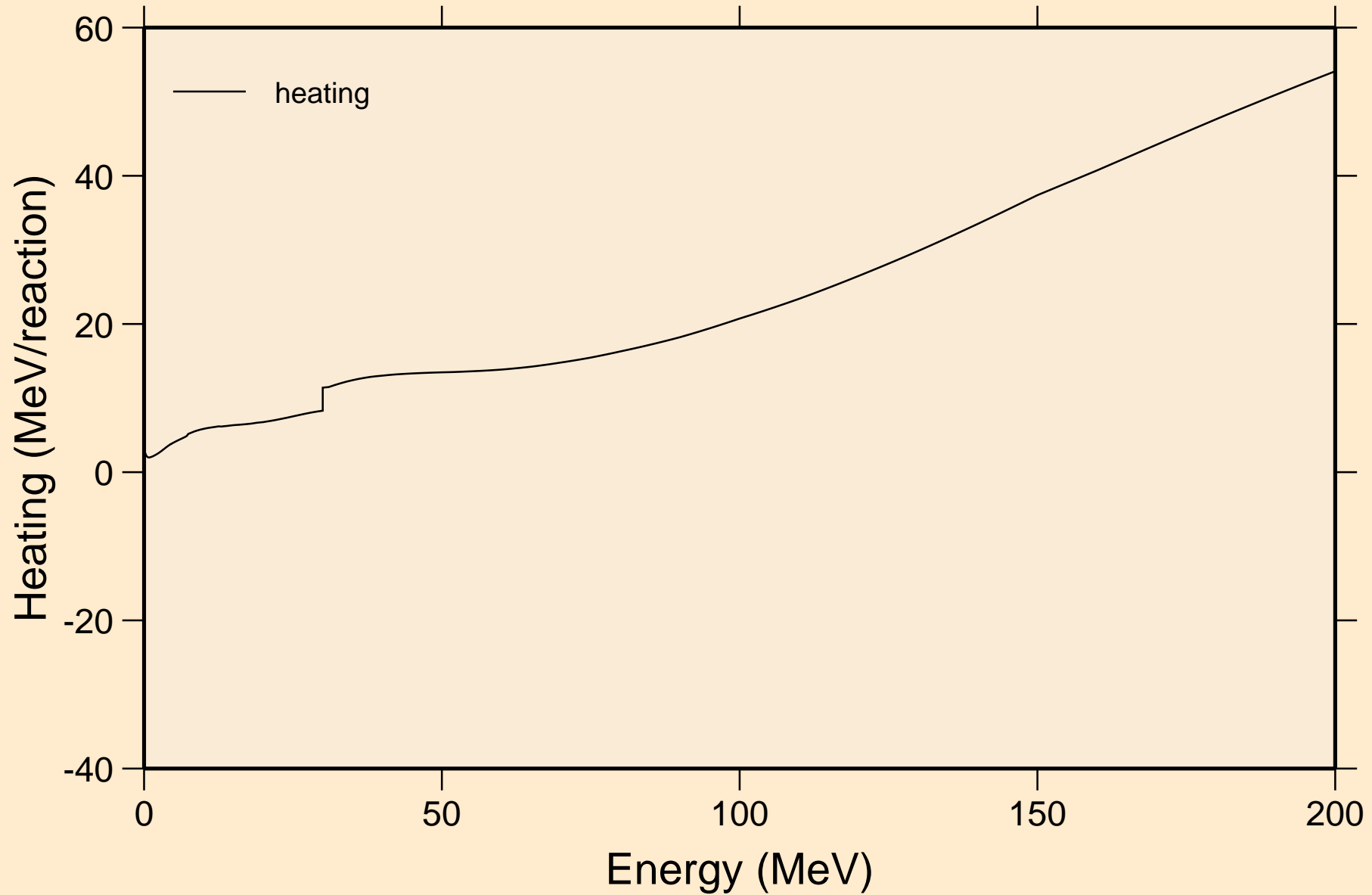
# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

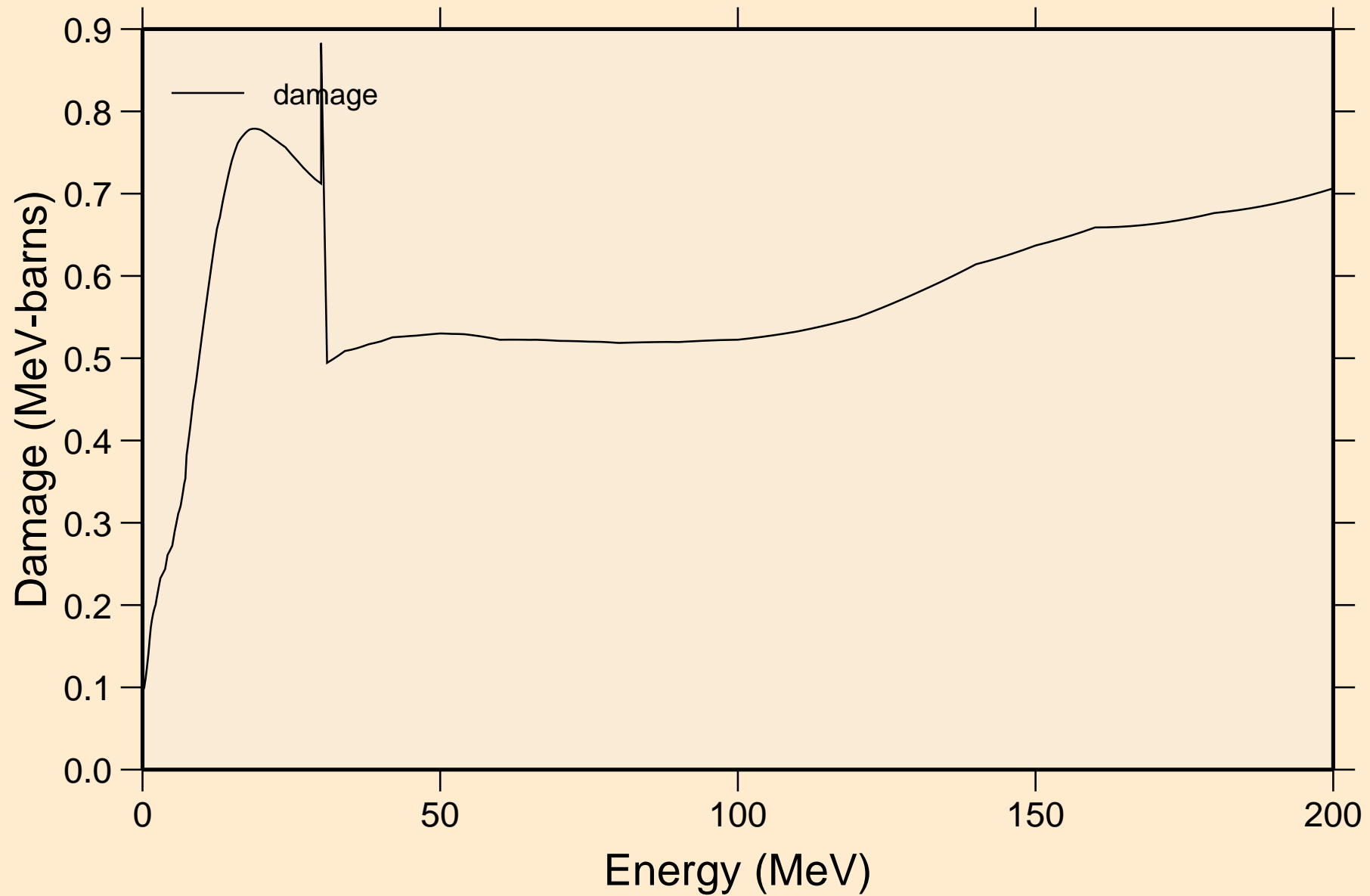
## Heating





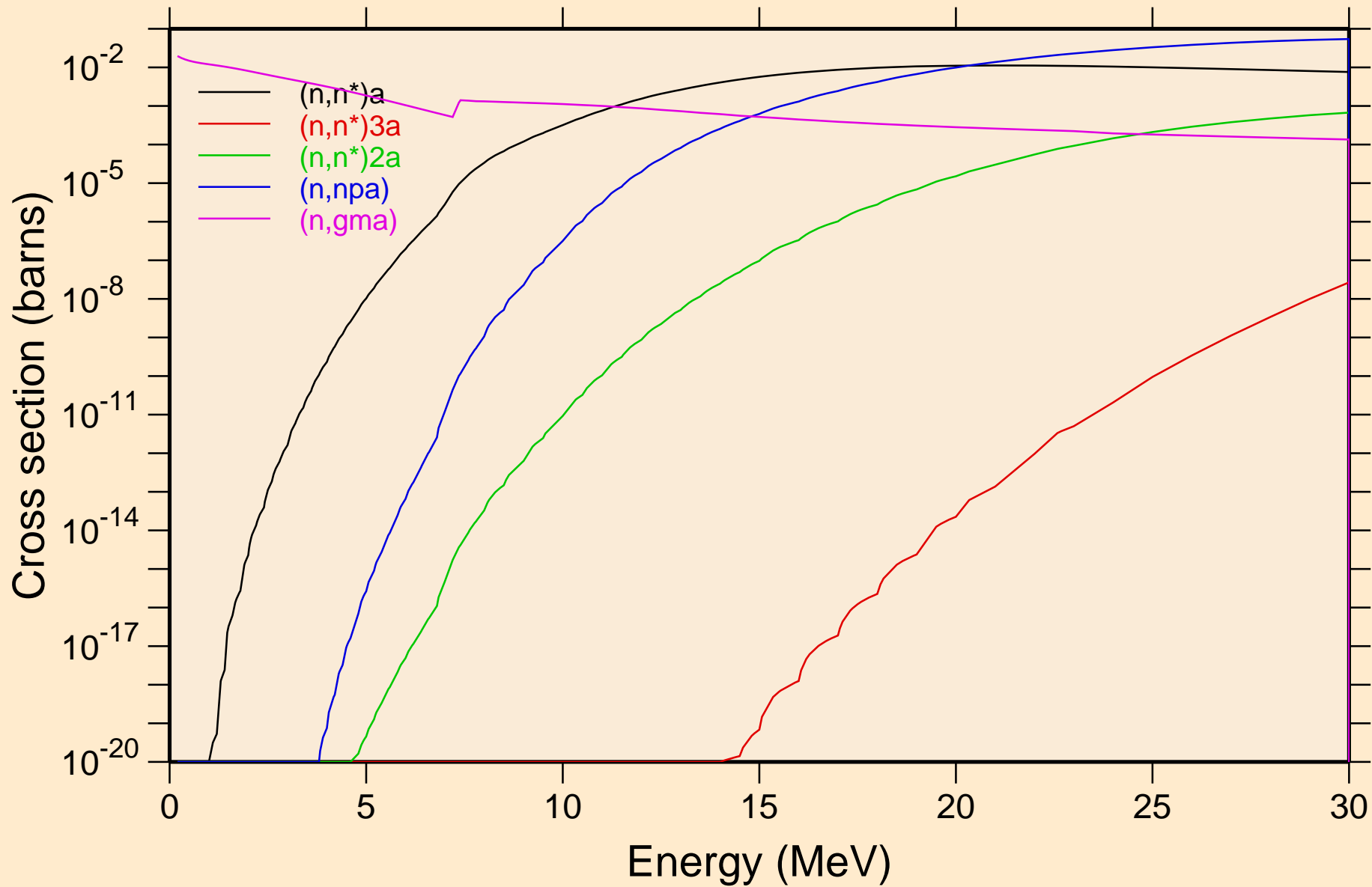
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## Damage



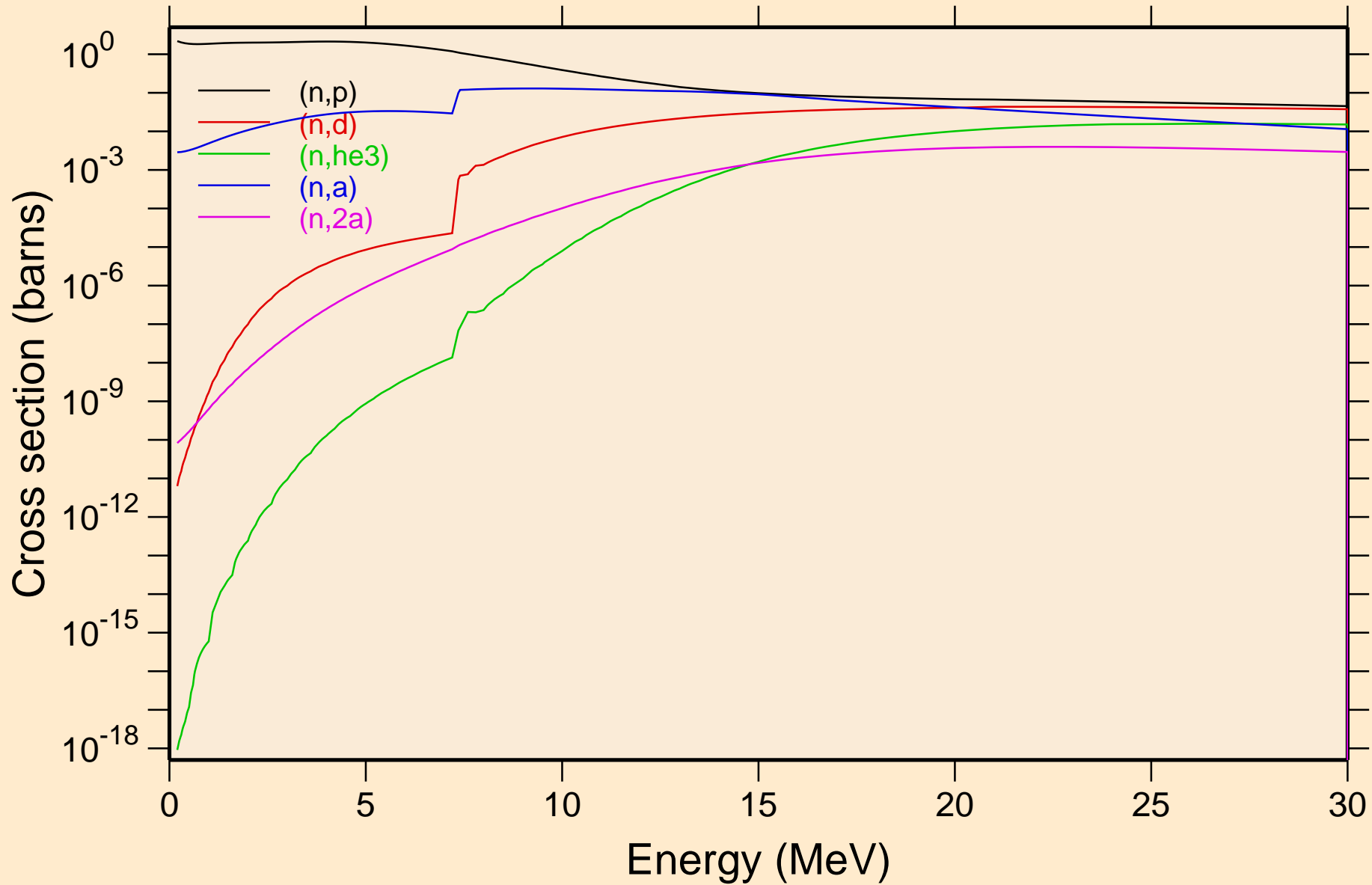
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## Non-threshold reactions



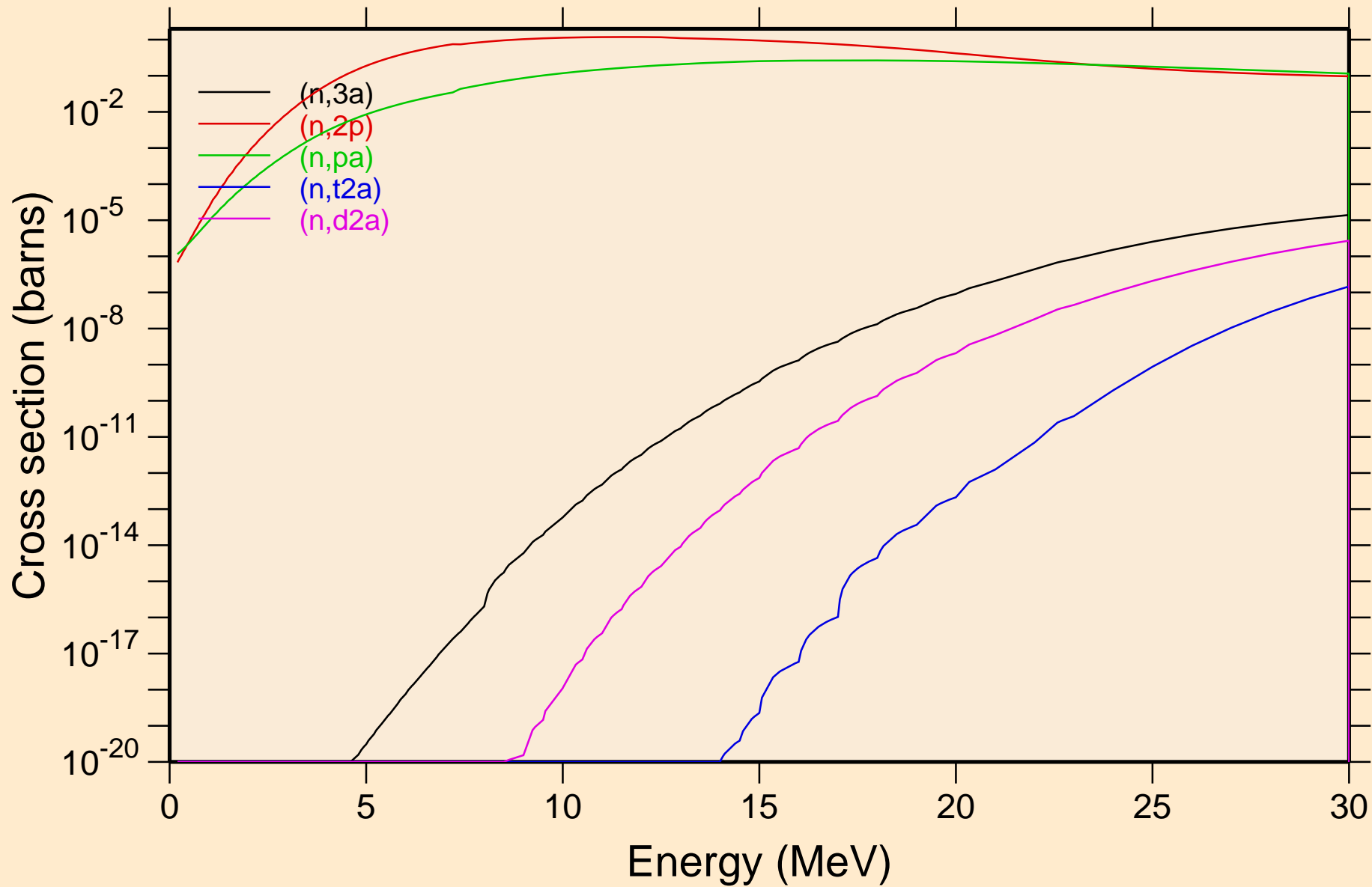
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## Non-threshold reactions



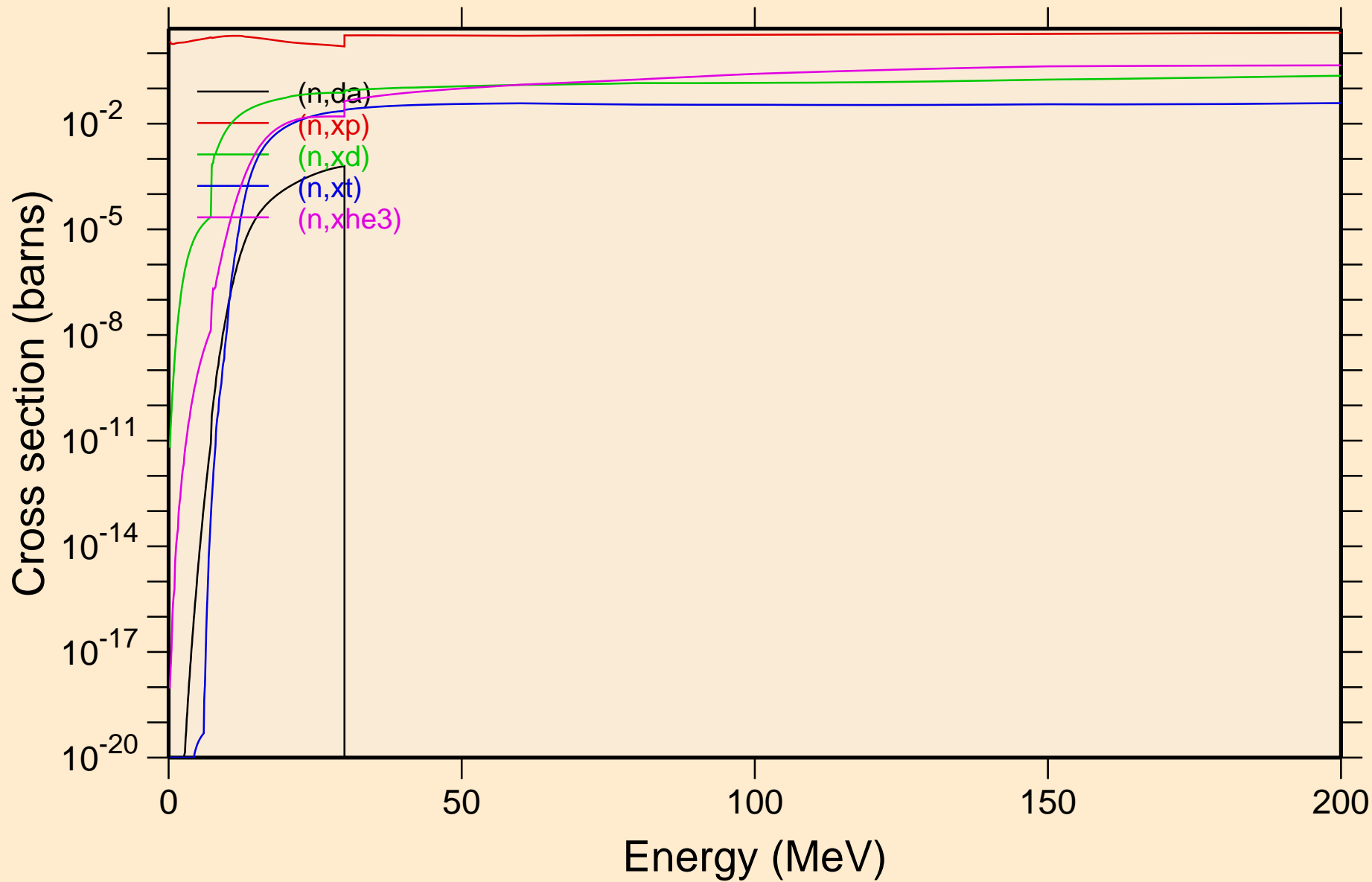
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## Non-threshold reactions

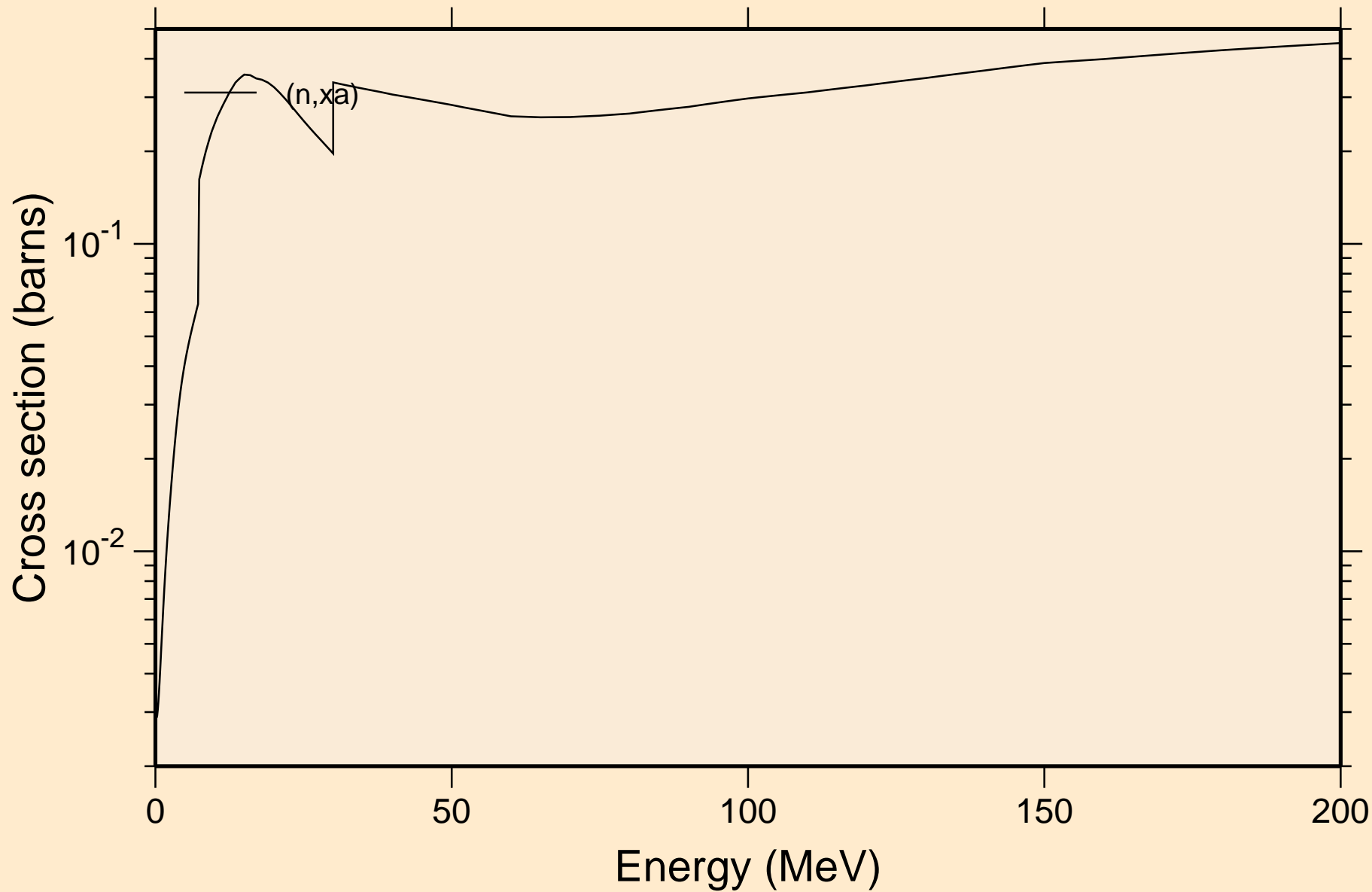


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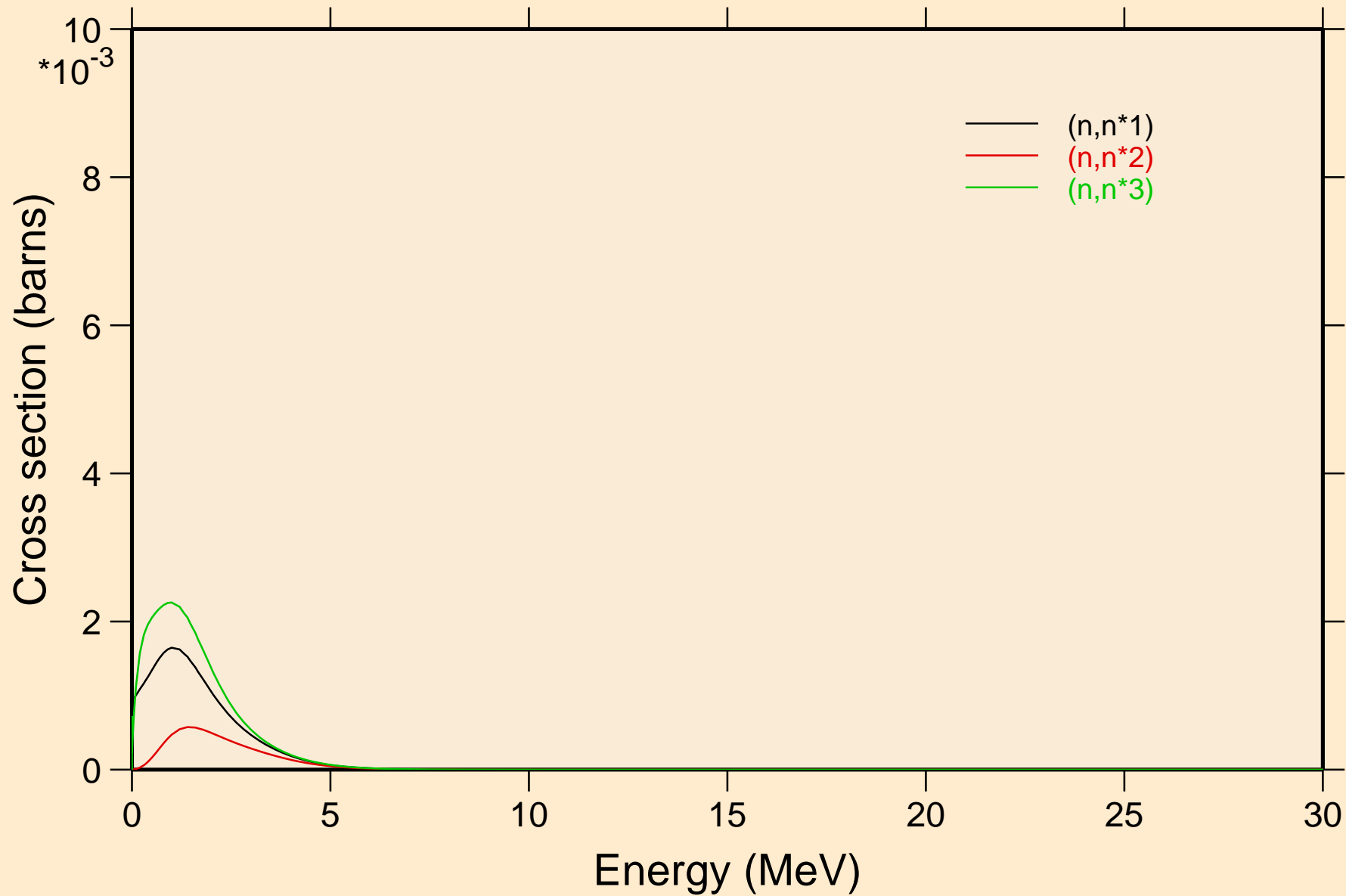
## Non-threshold reactions



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

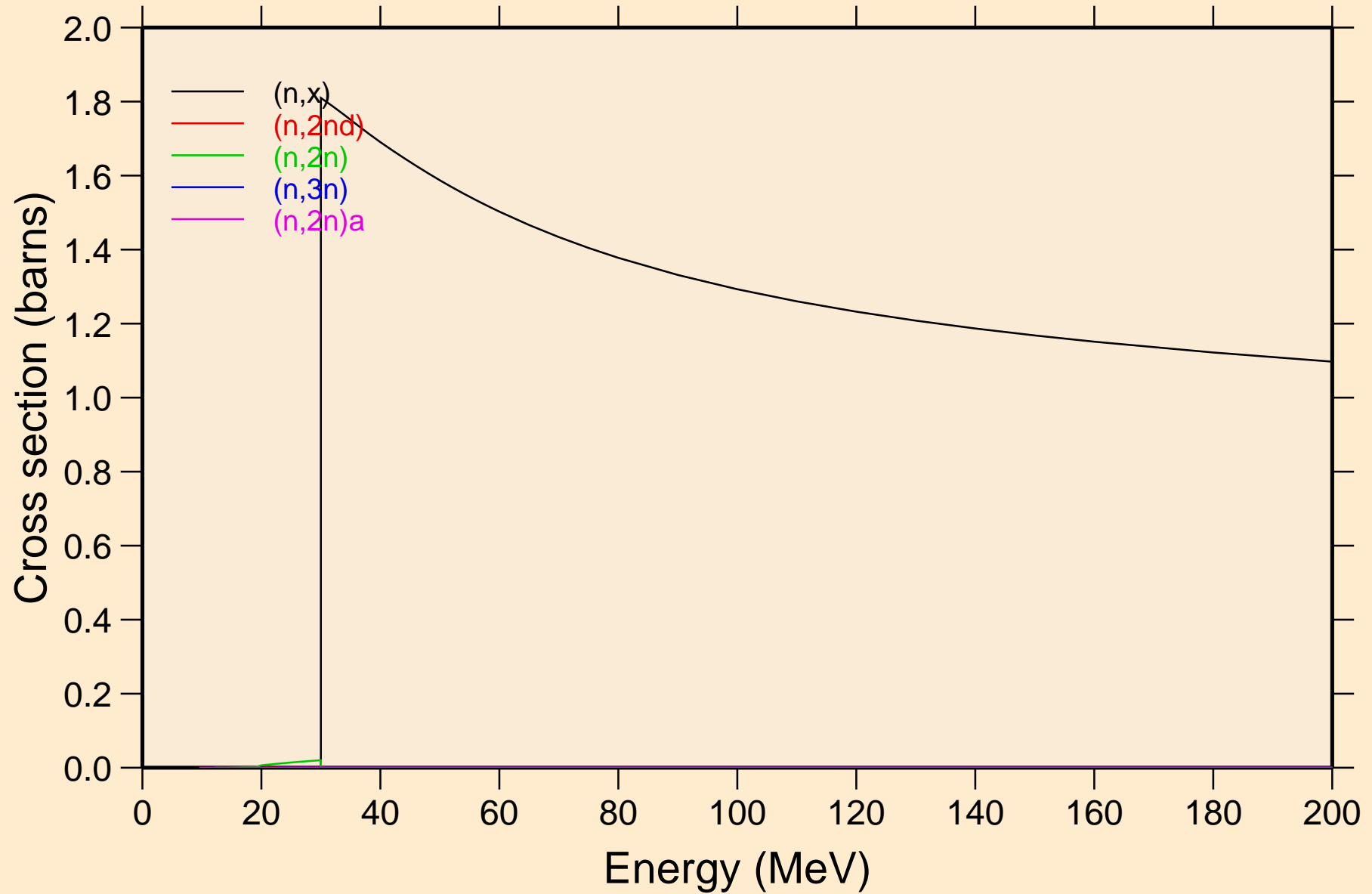


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



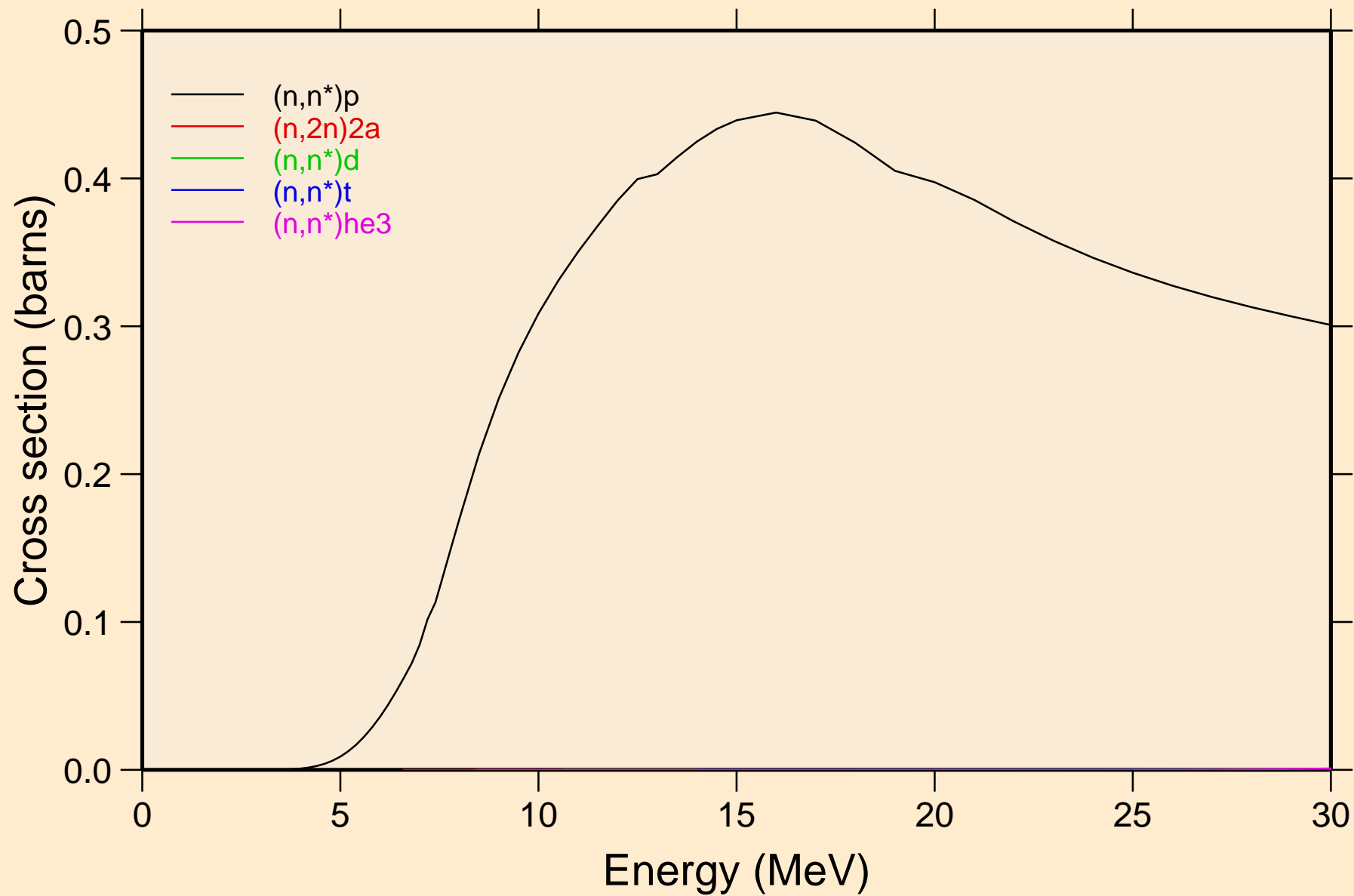
# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



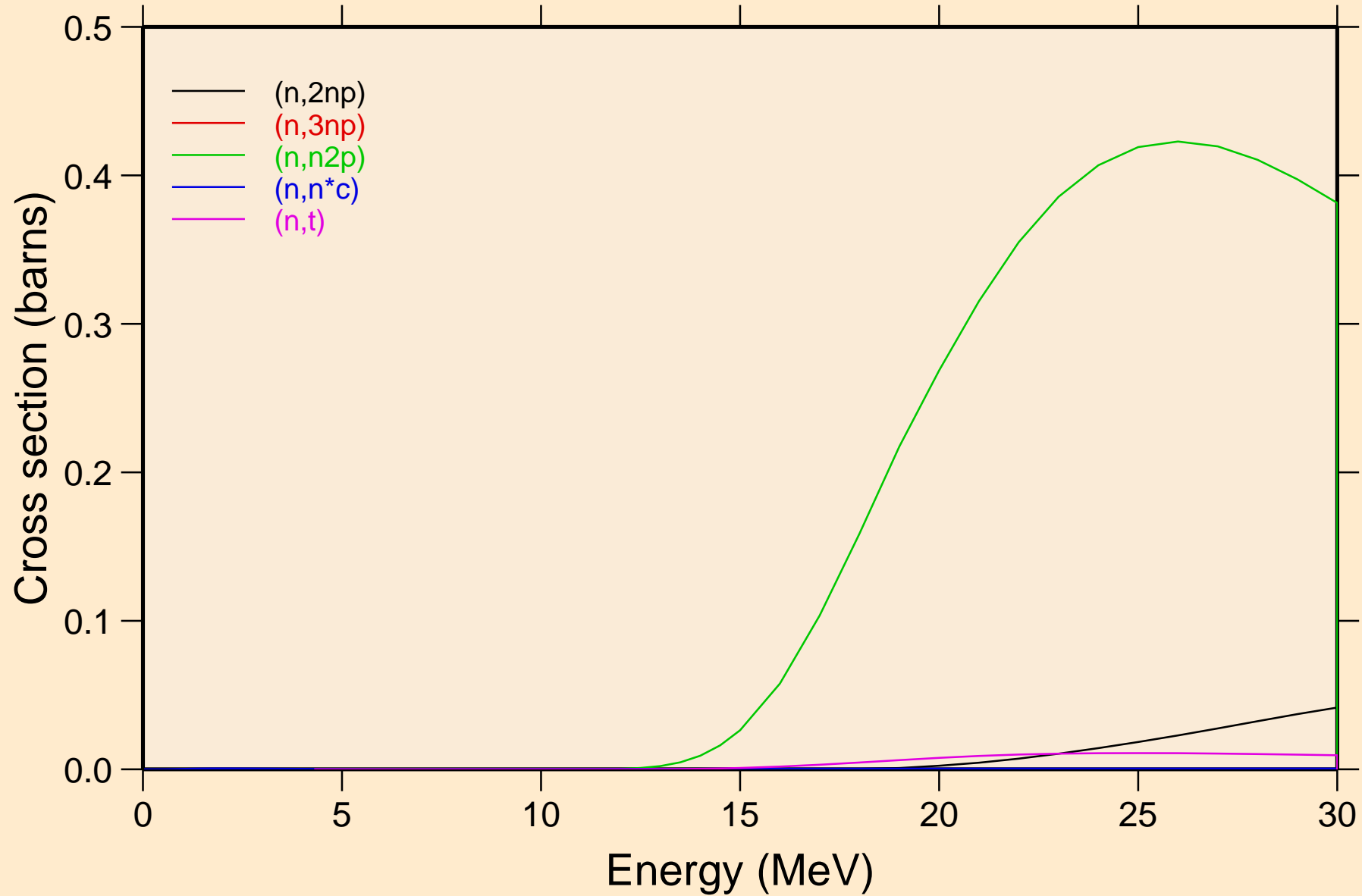


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

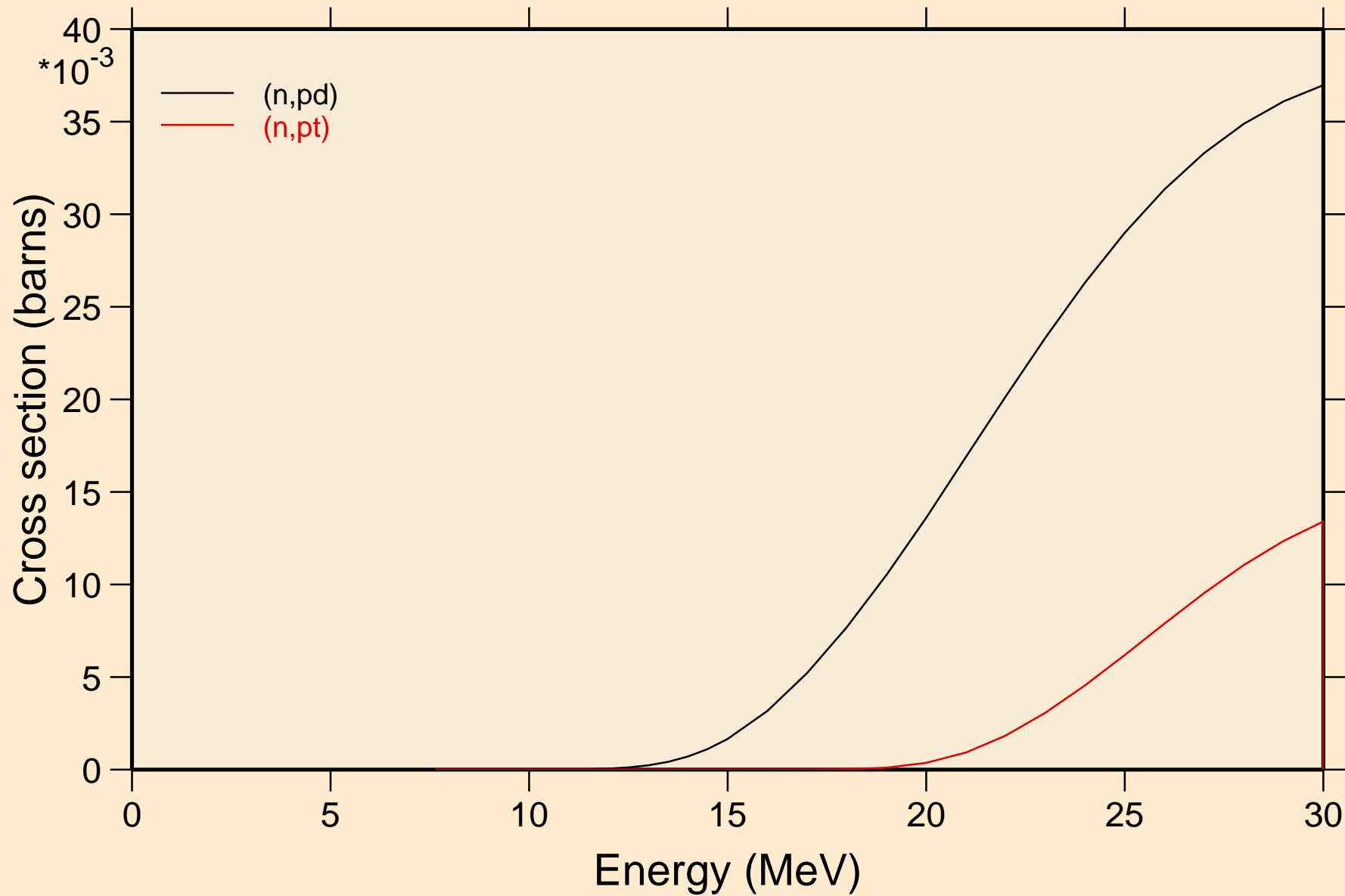


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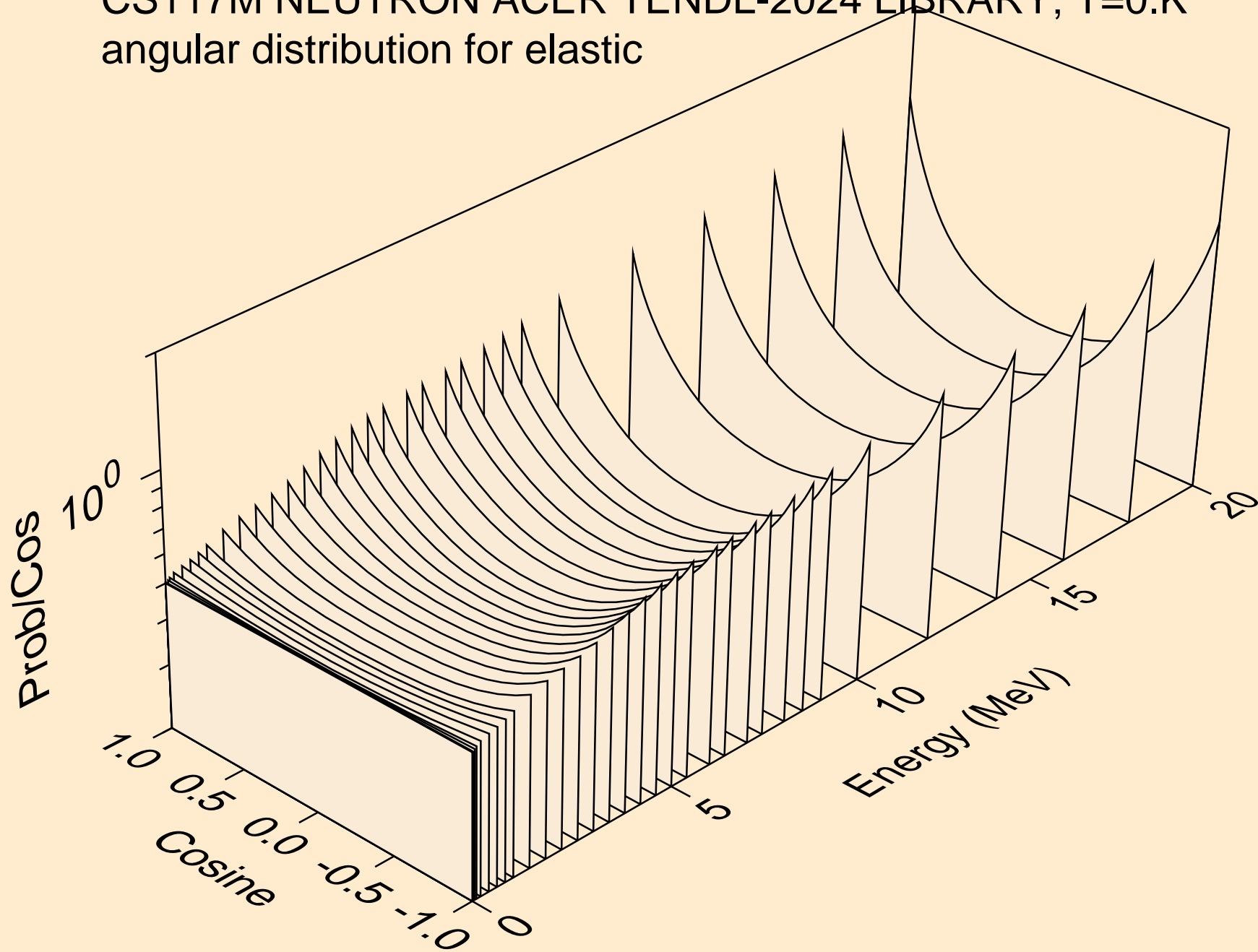
## Threshold reactions



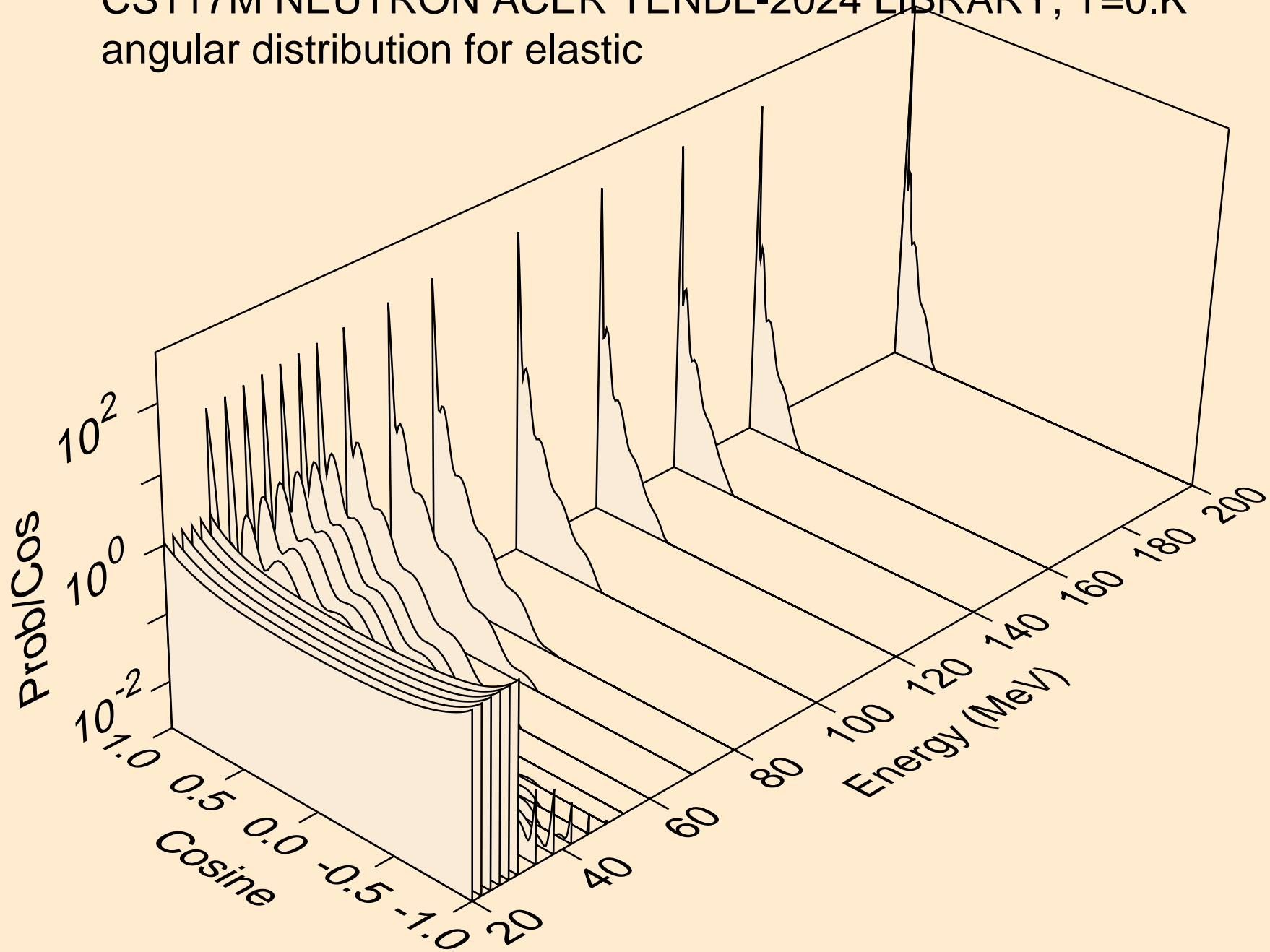
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



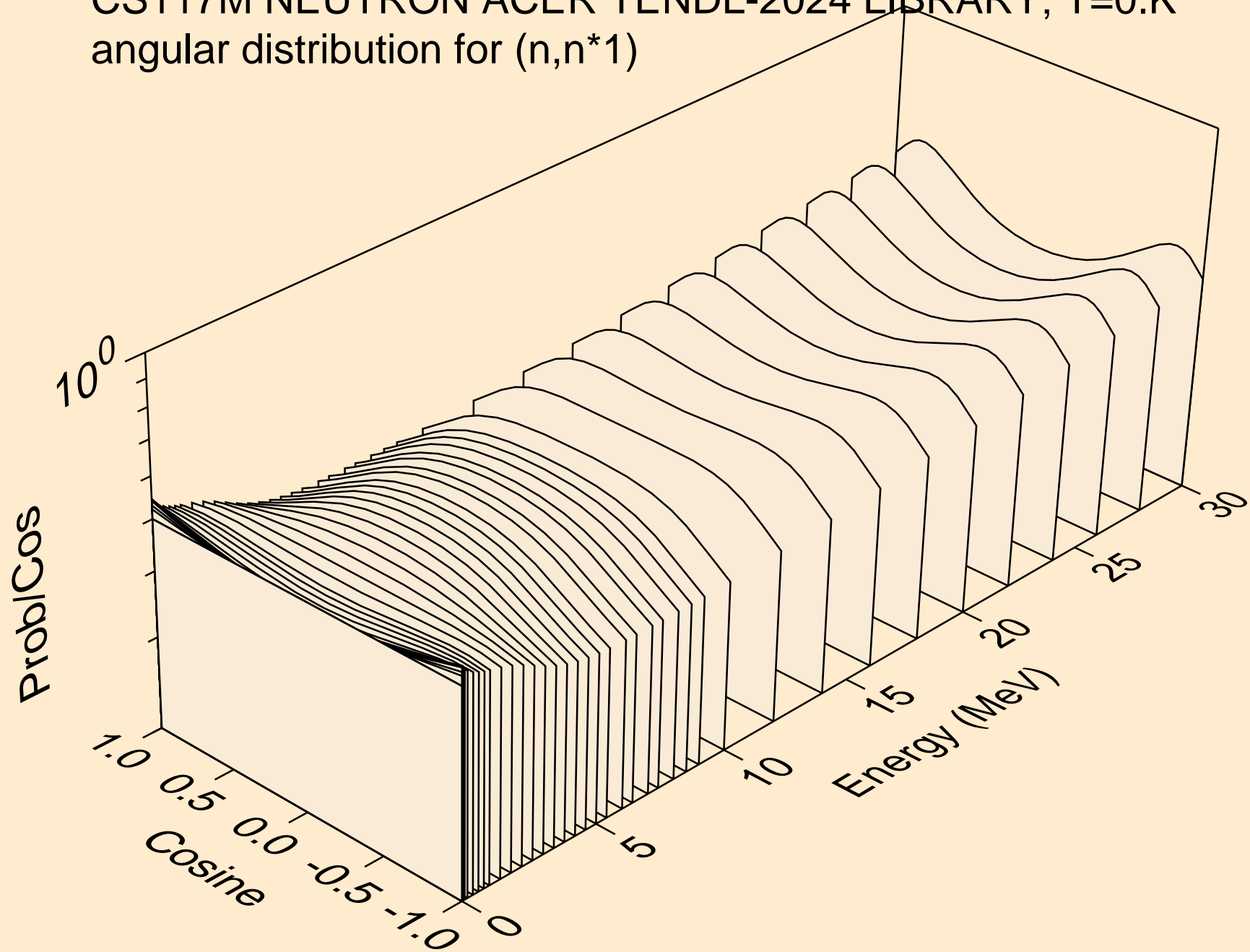
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



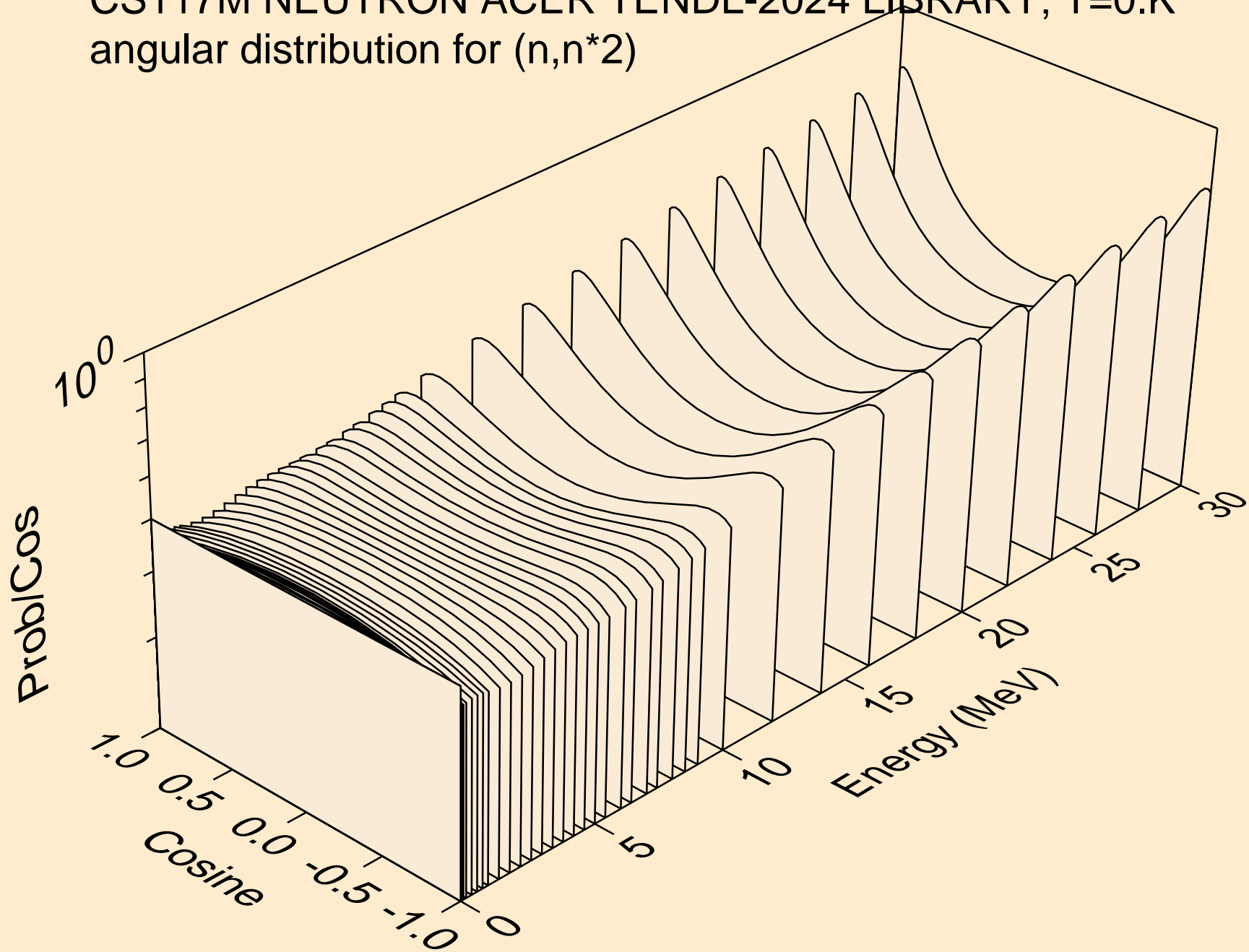
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



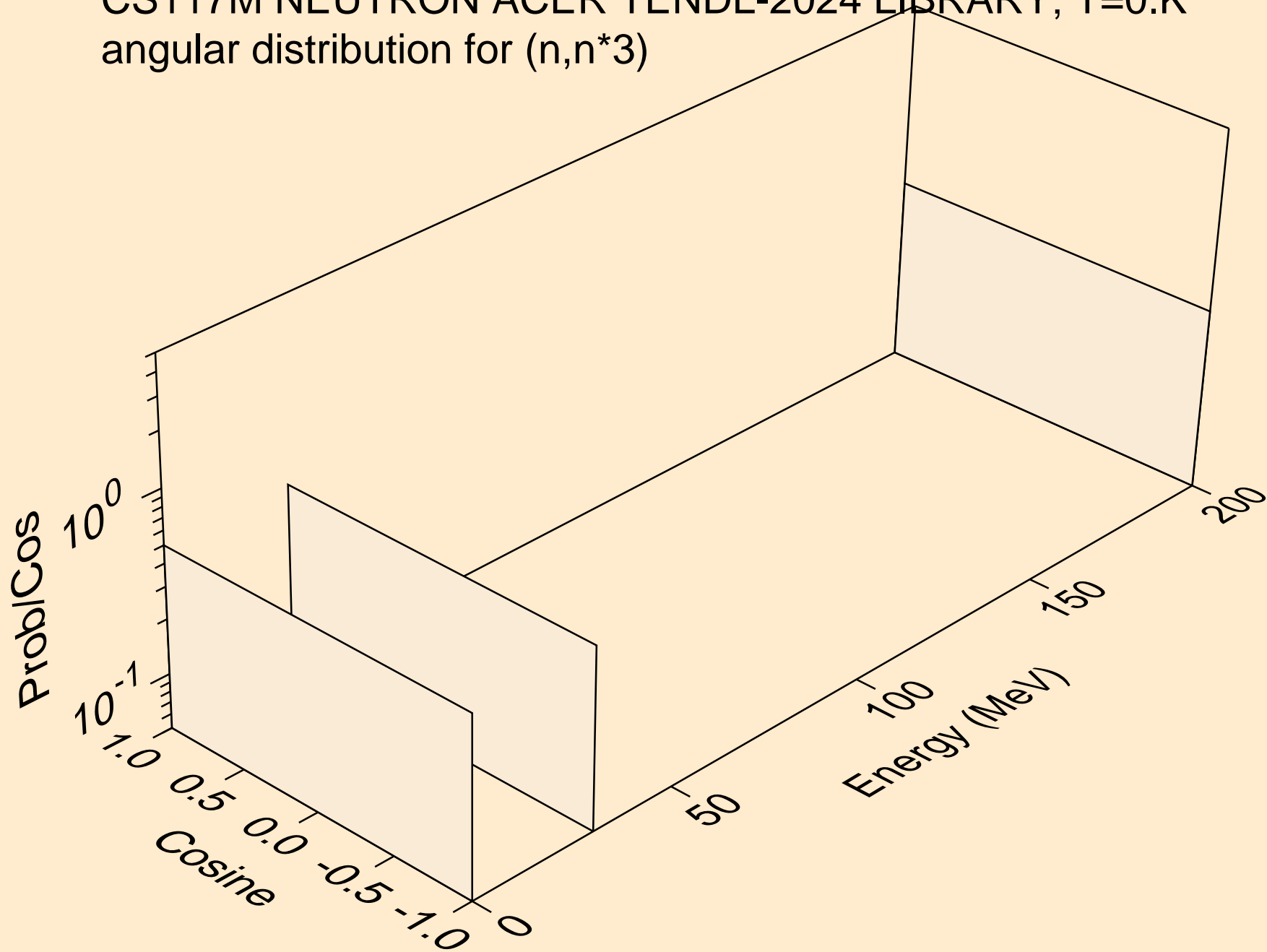
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

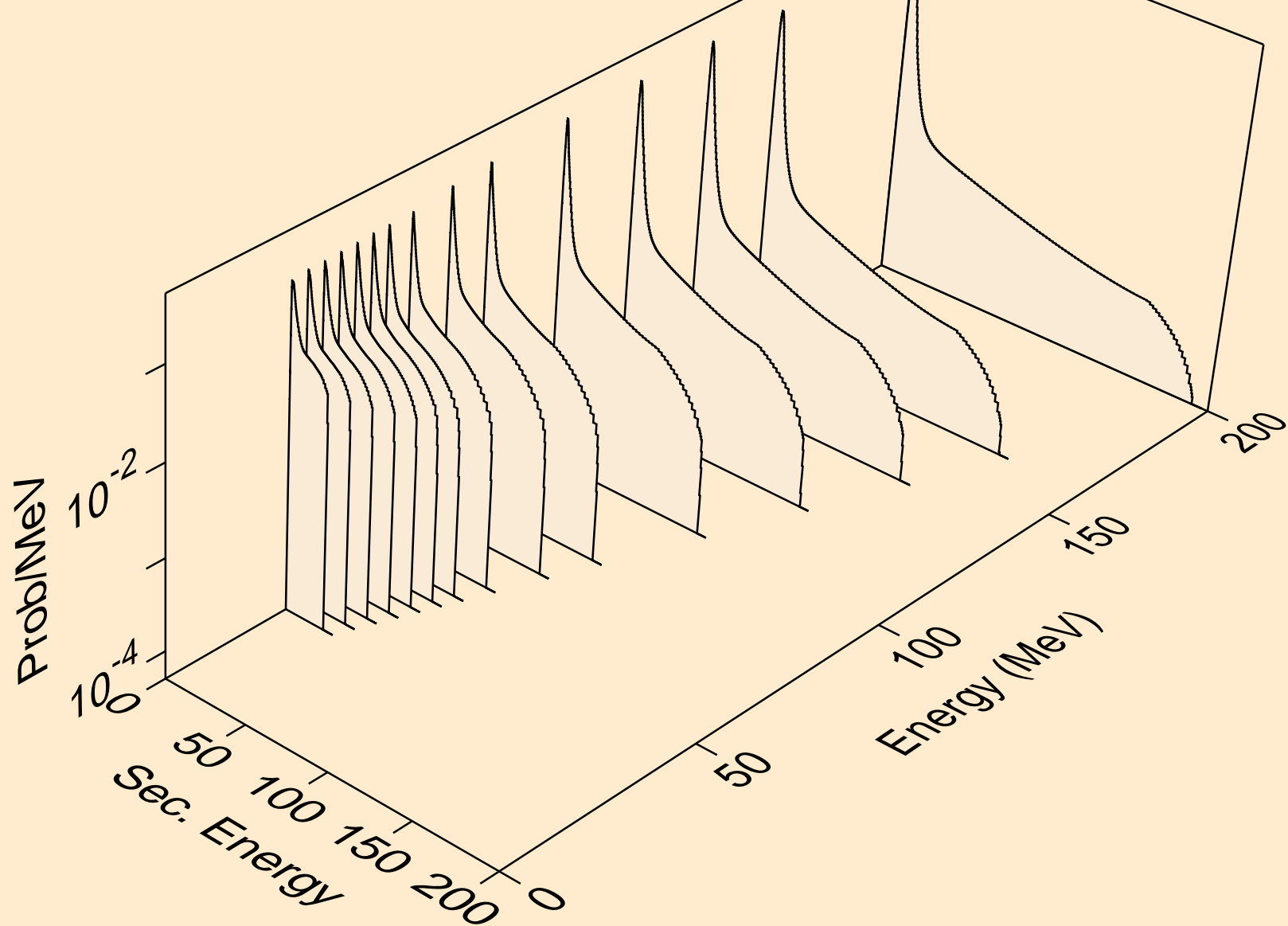


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

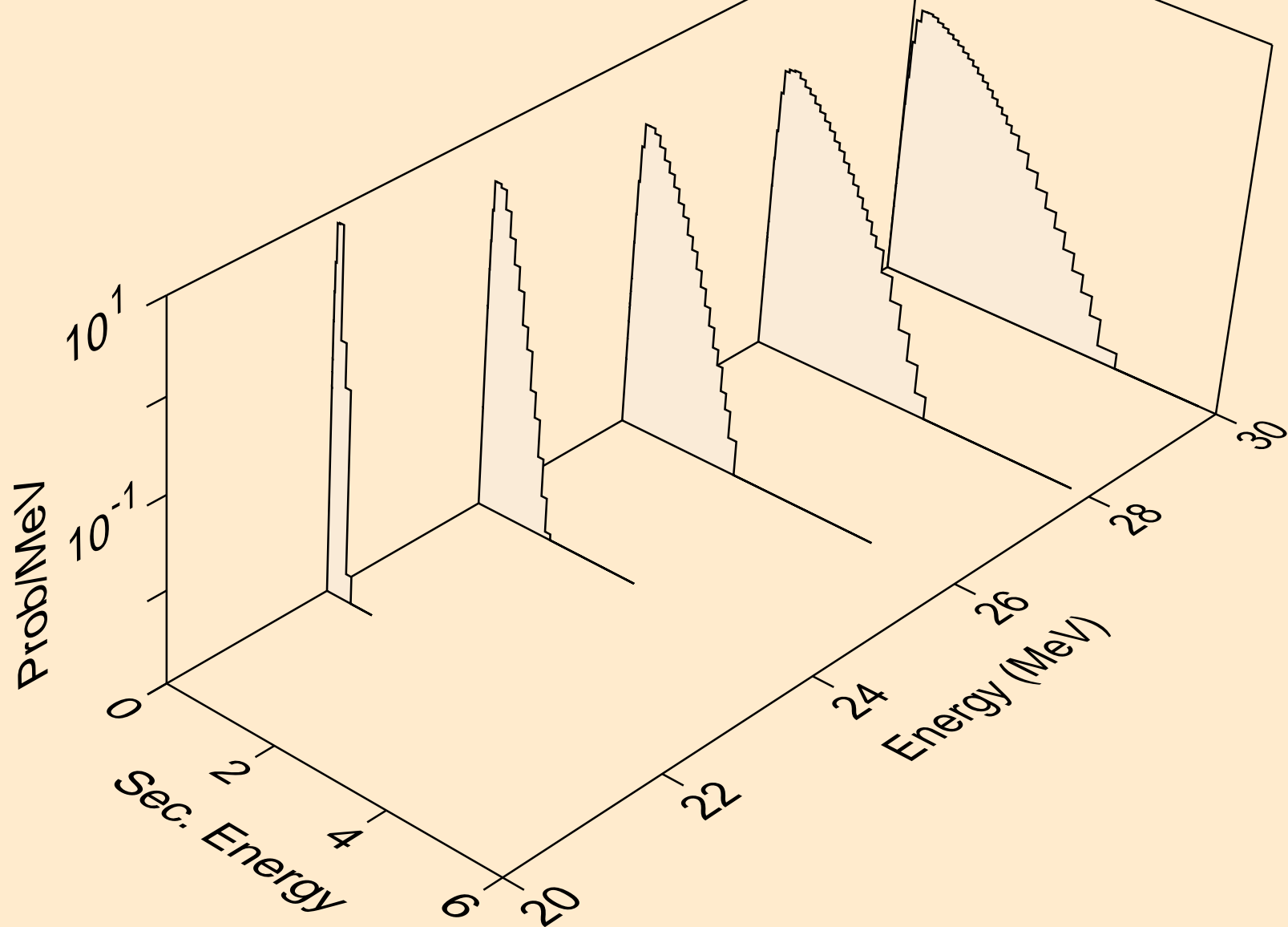




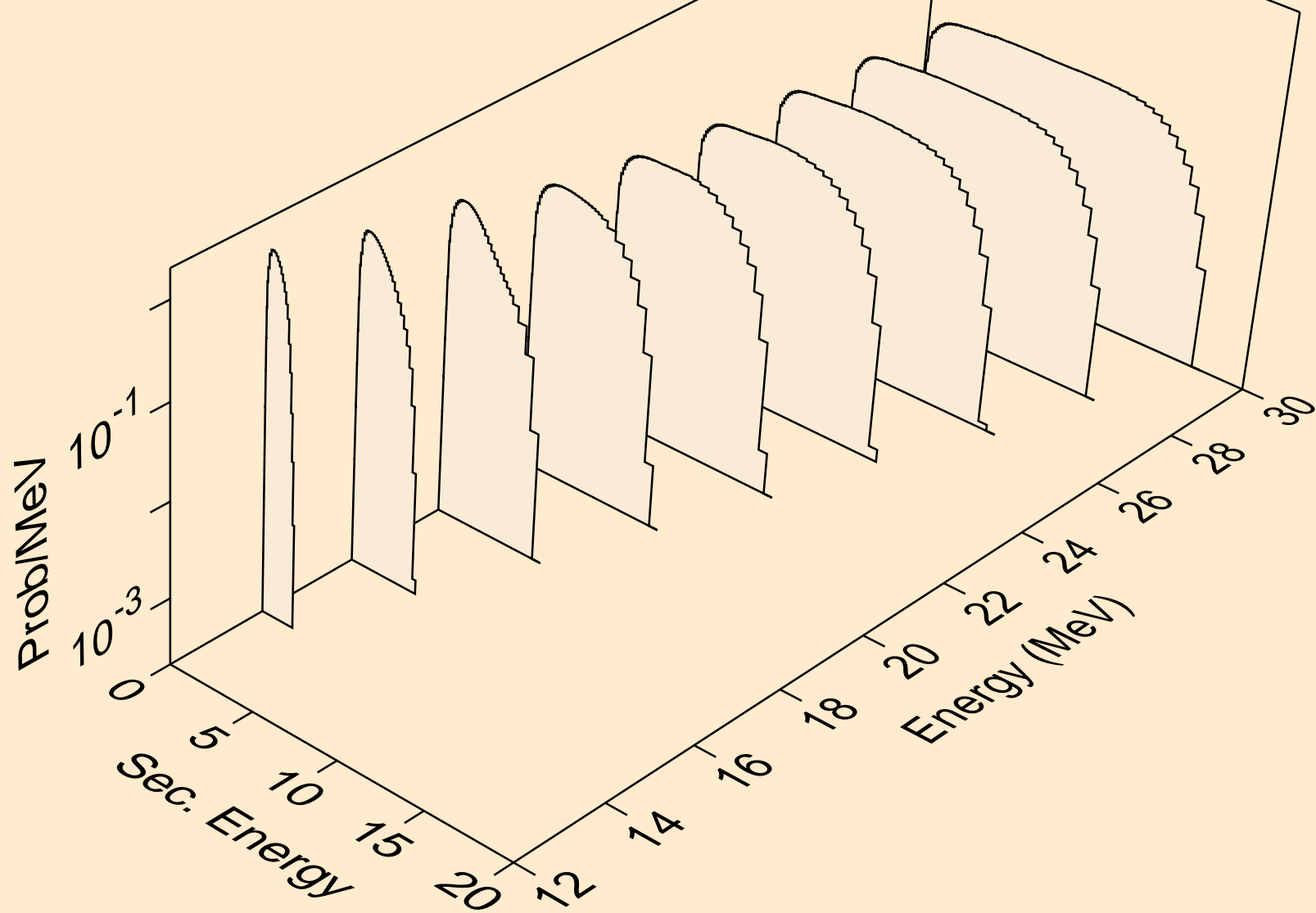
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



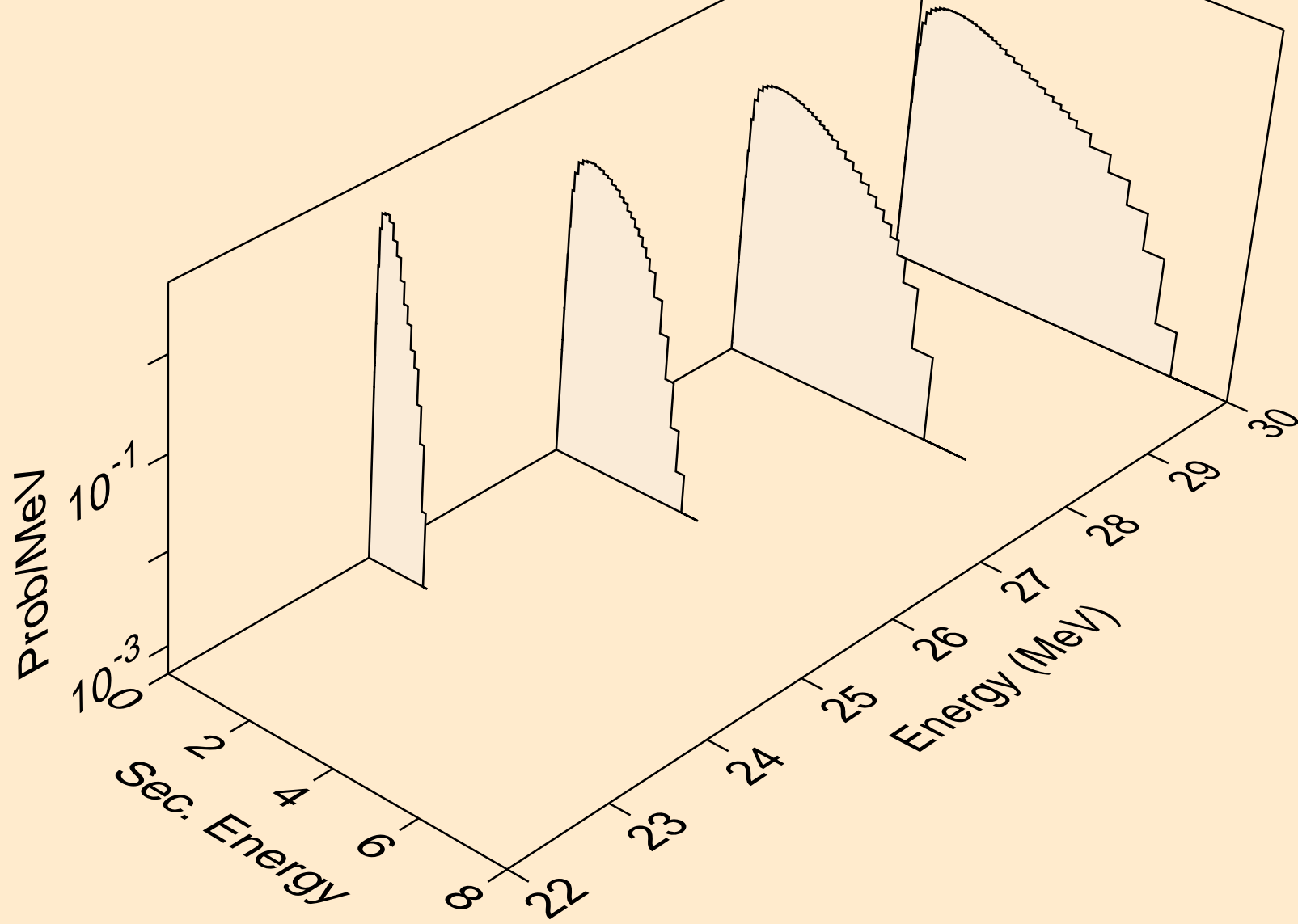
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



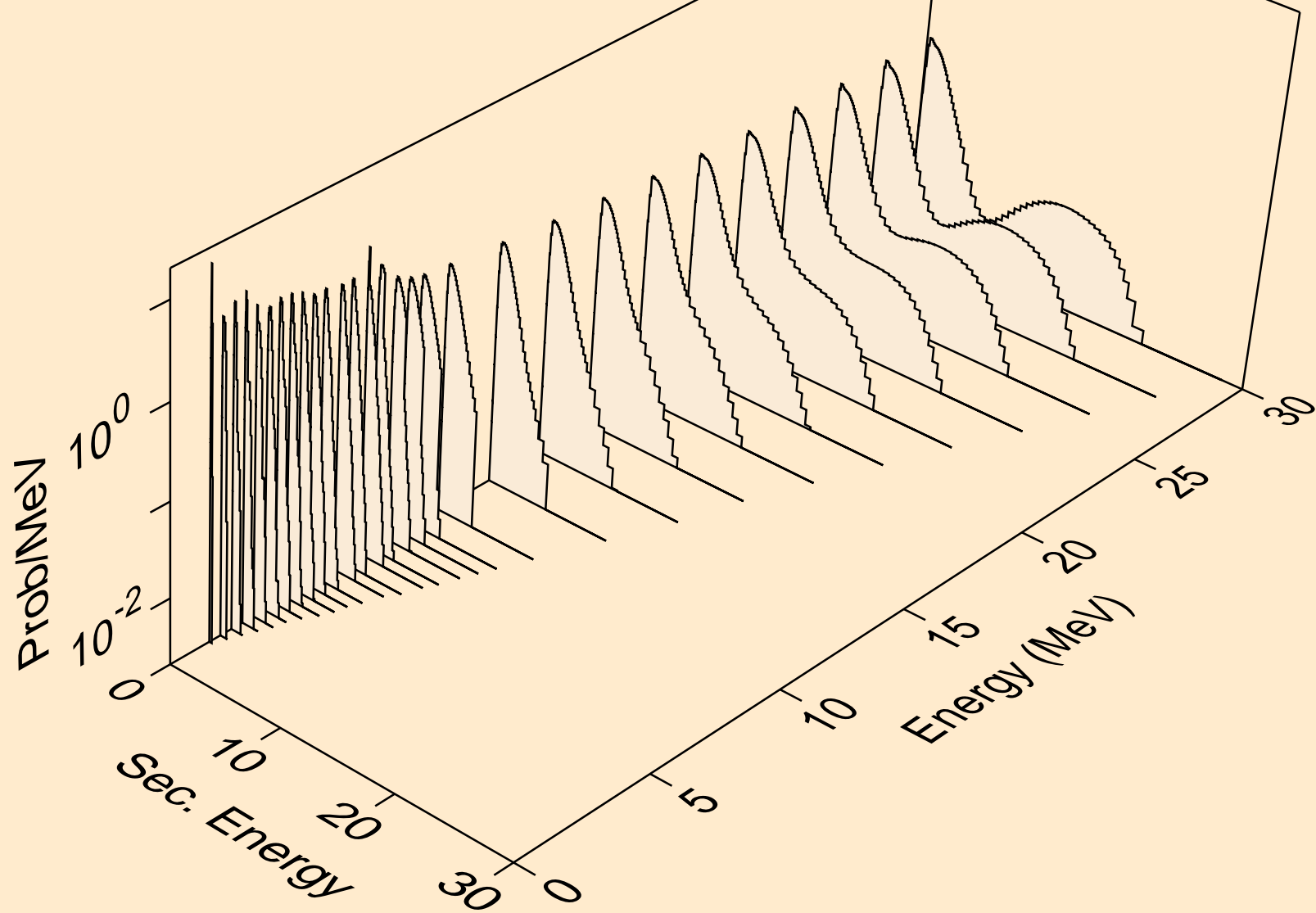
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Neutron emission for (n,2n)



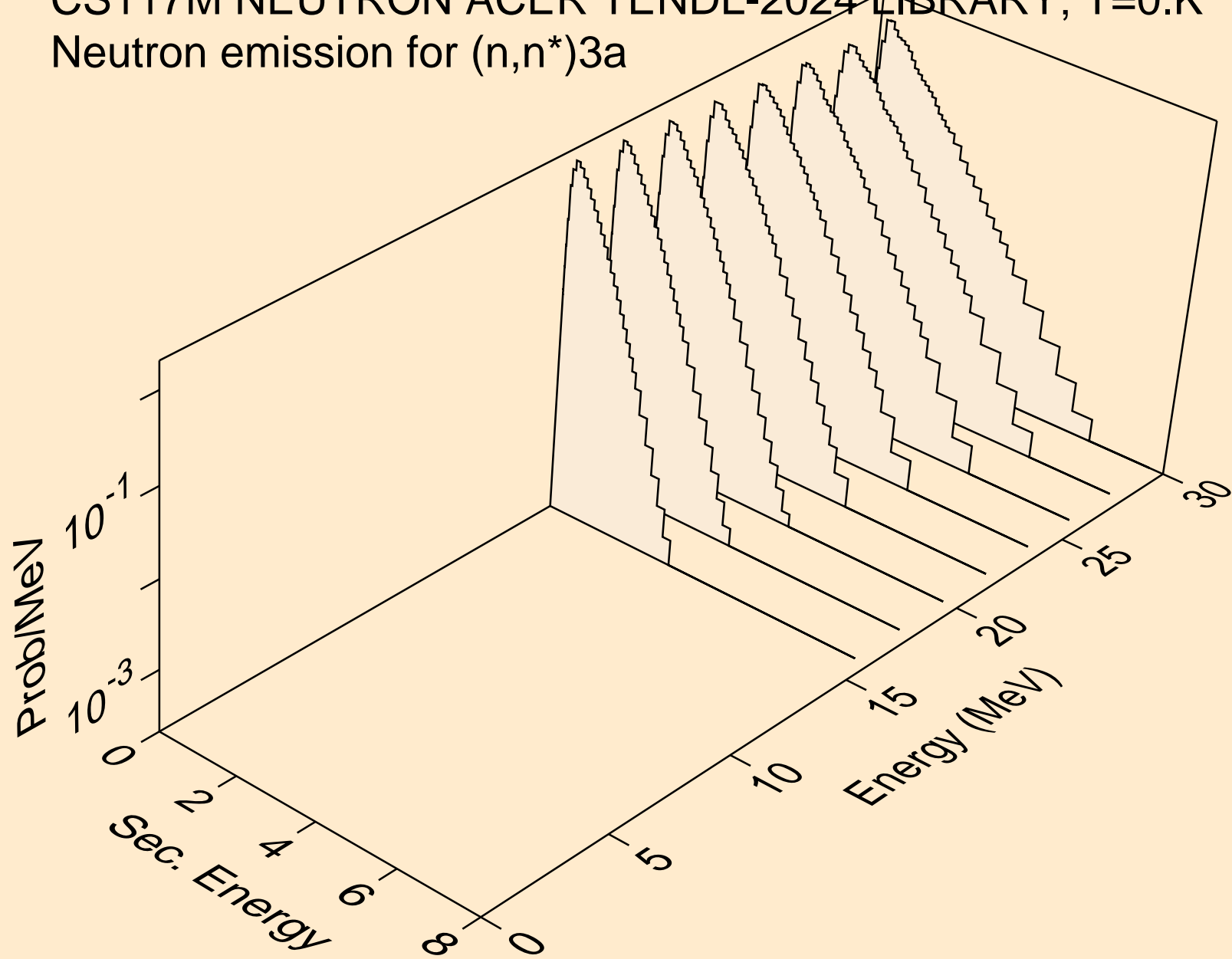
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Neutron emission for (n,3n)



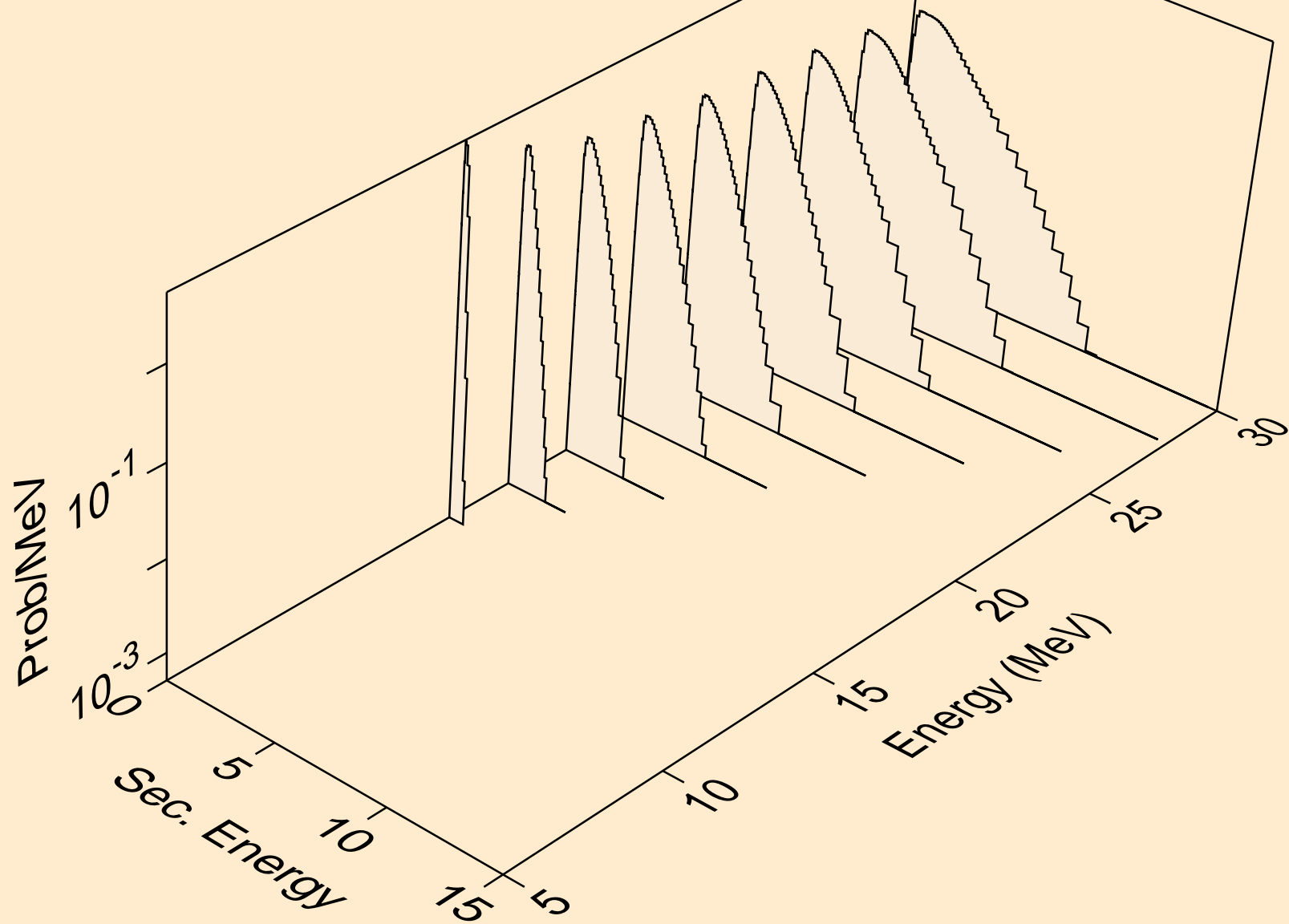
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Neutron emission for (n,n\*)a



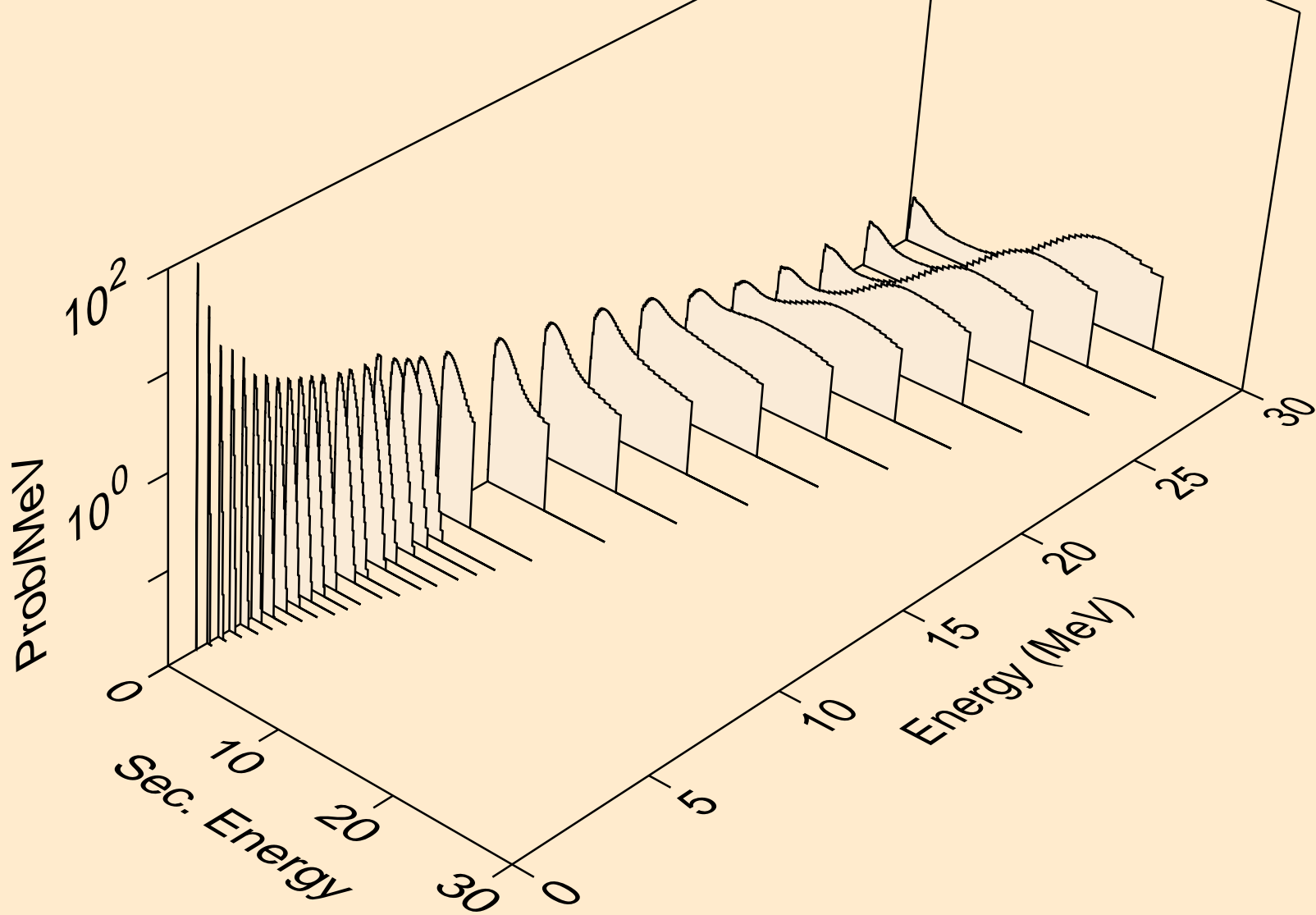
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

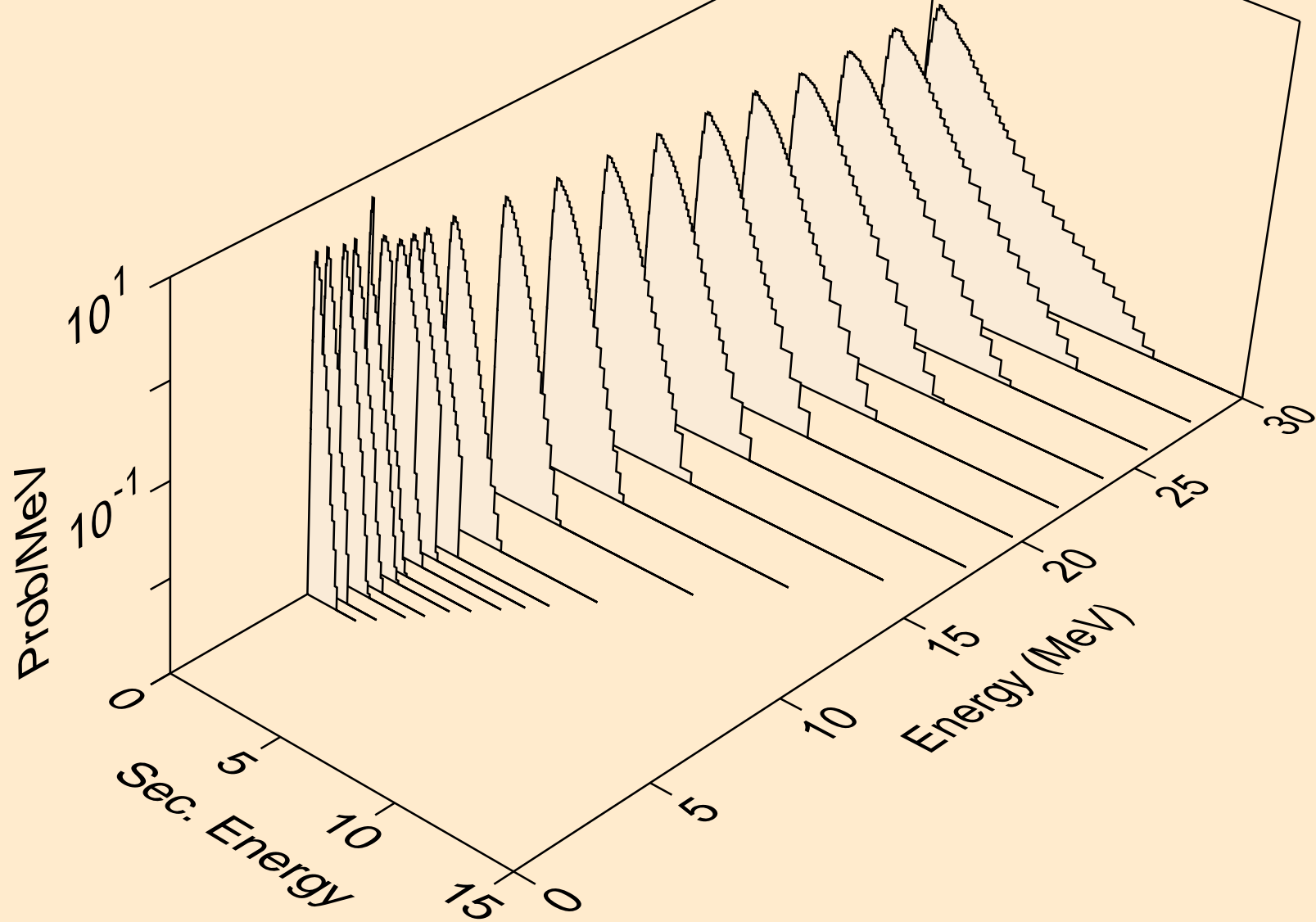


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

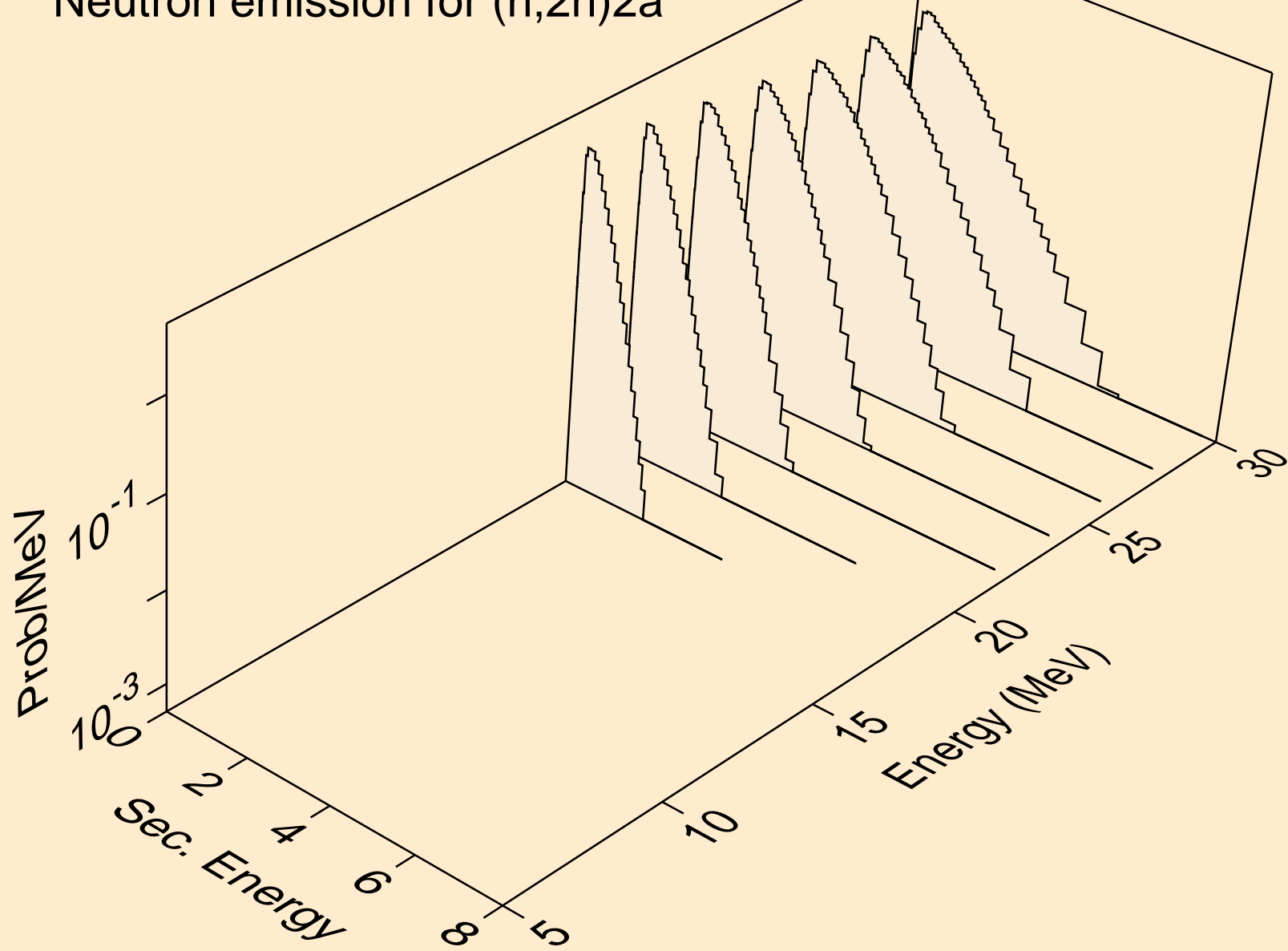




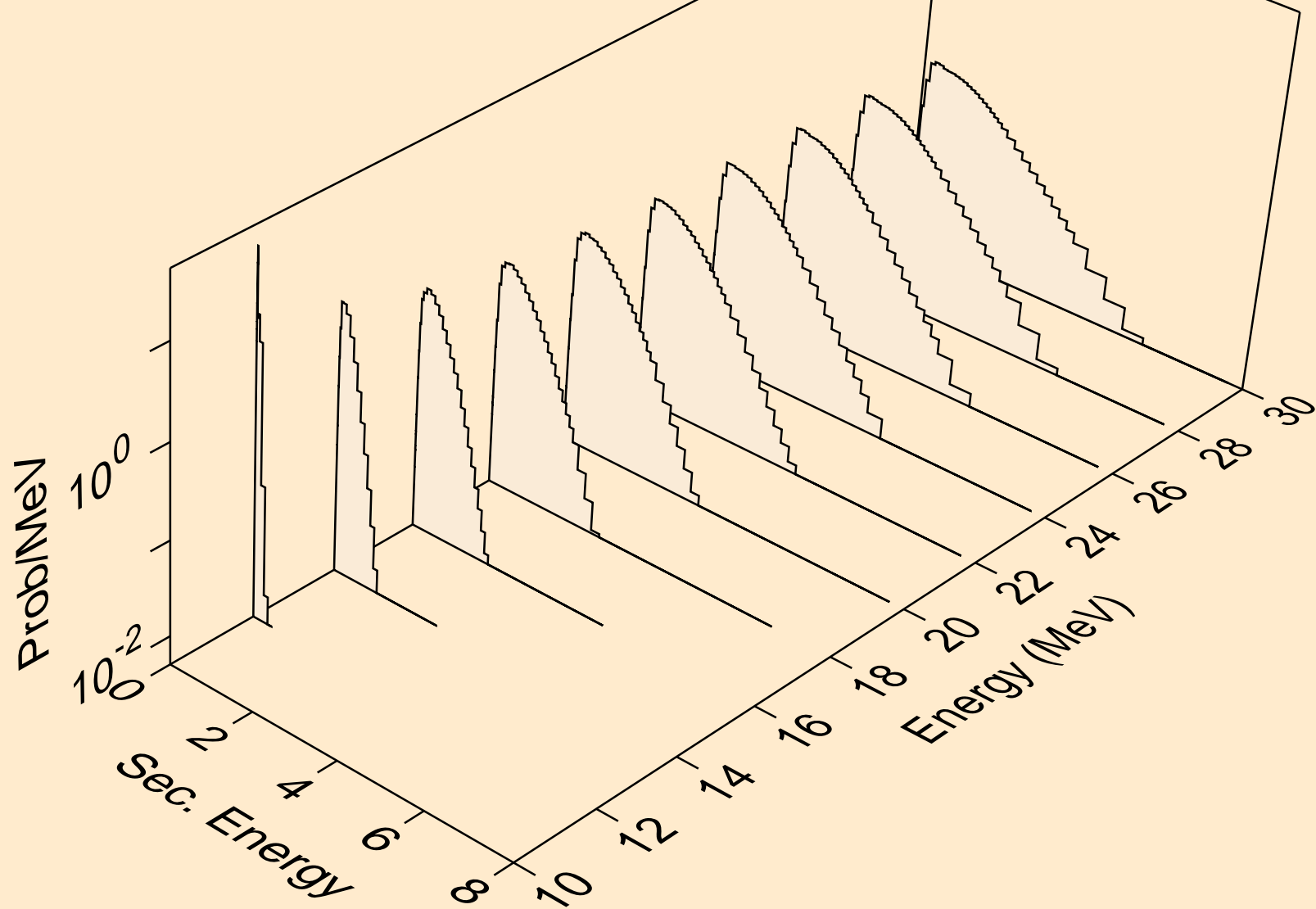
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



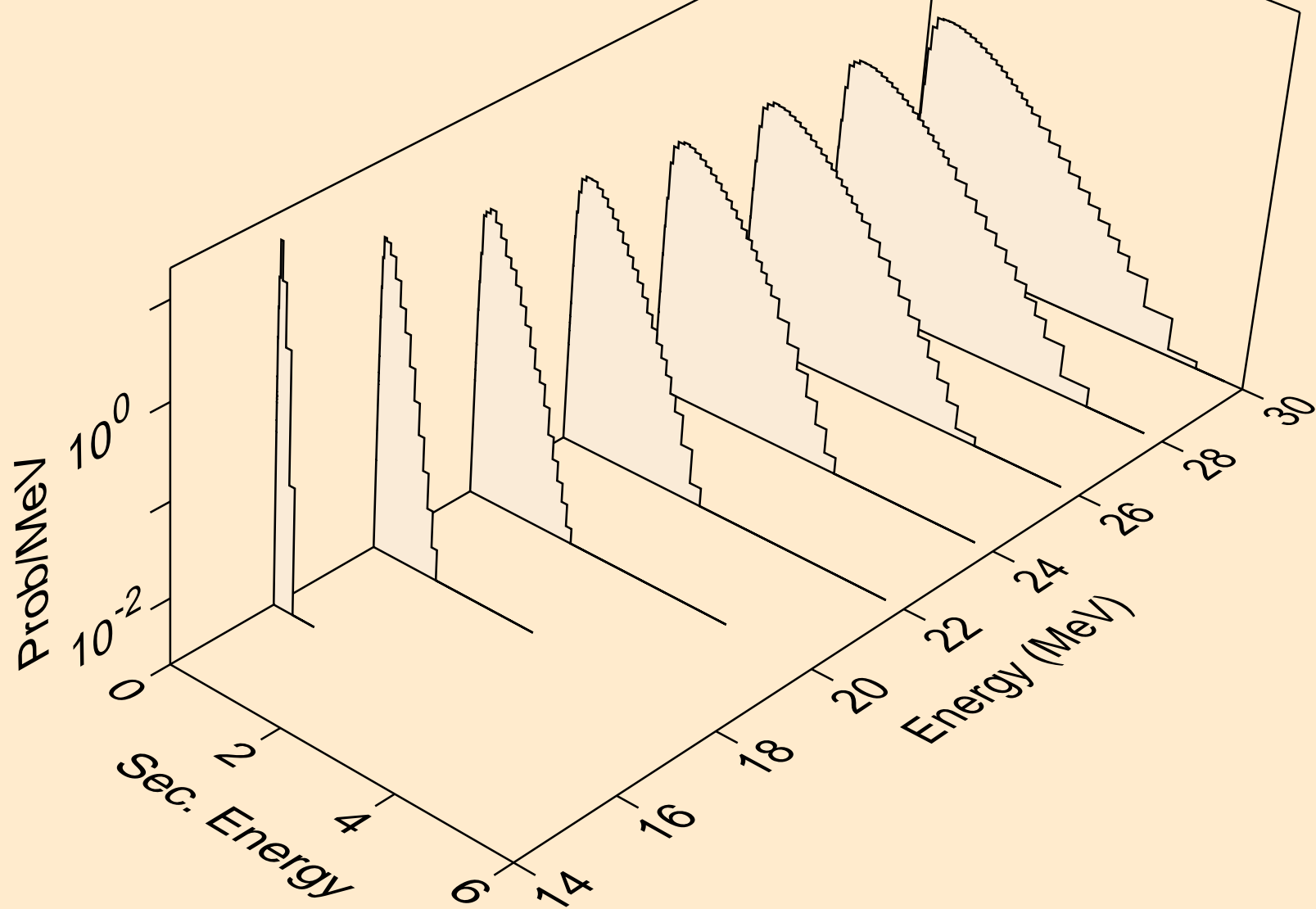
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Neutron emission for (n,2n)2a



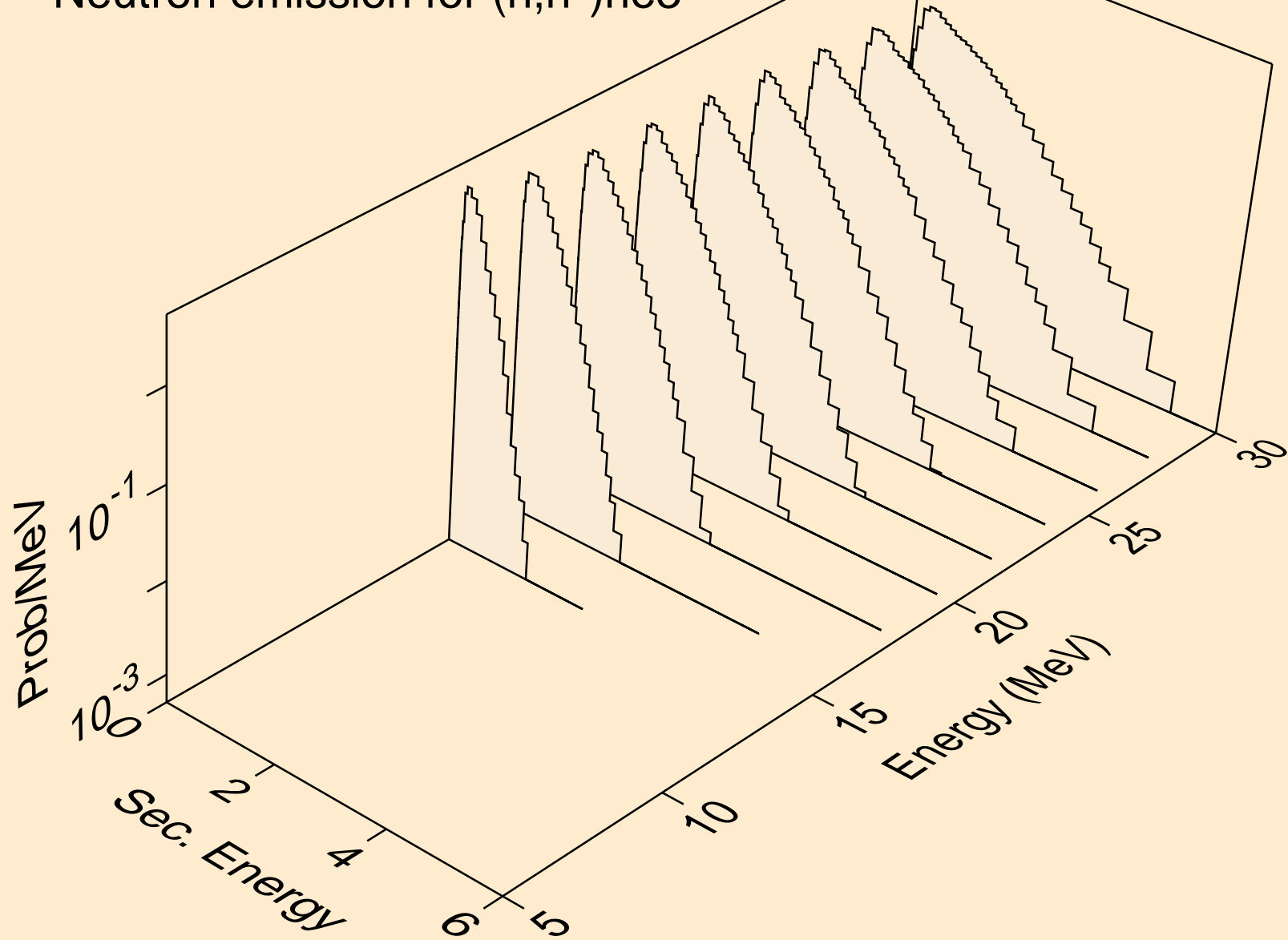
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



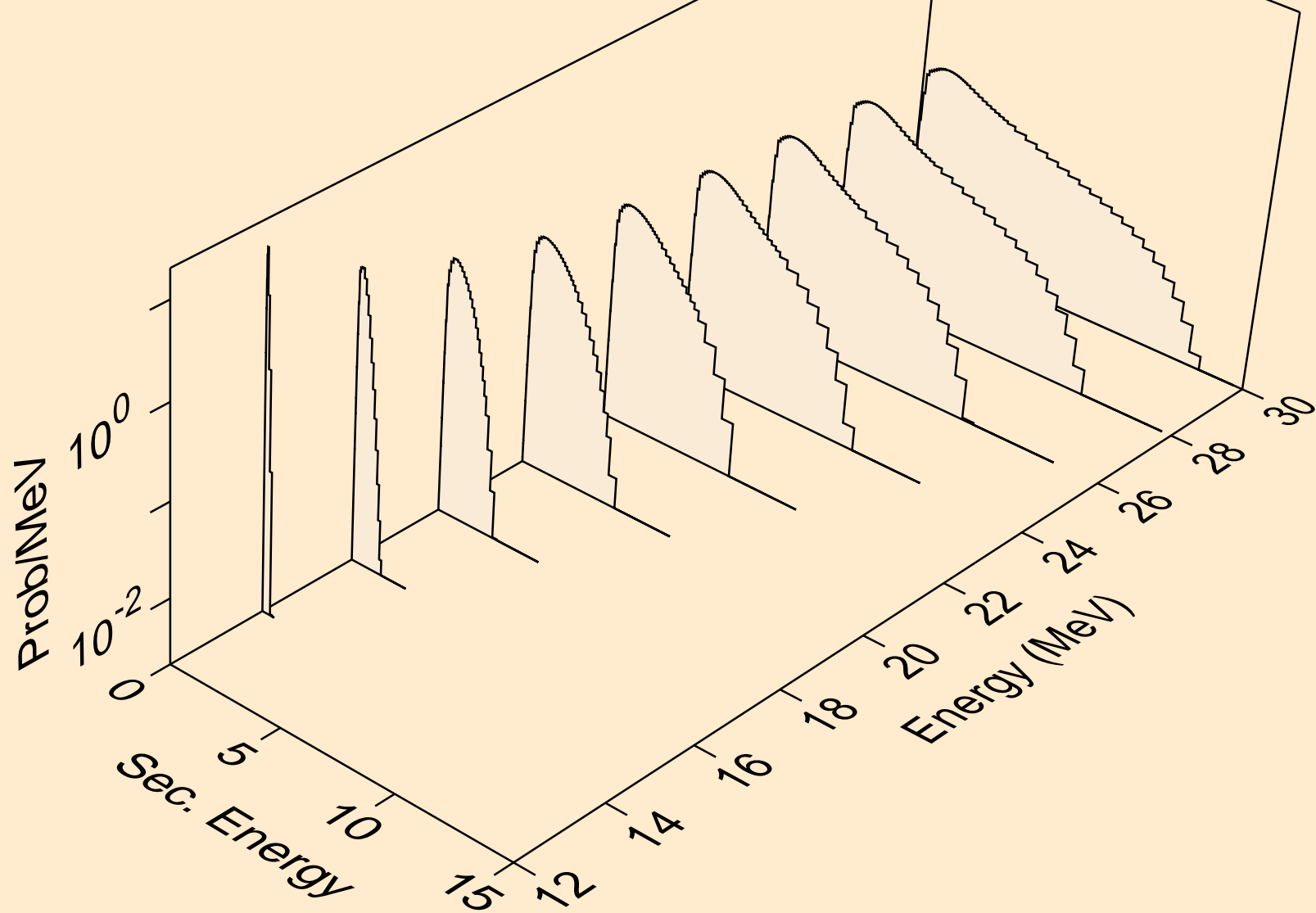
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



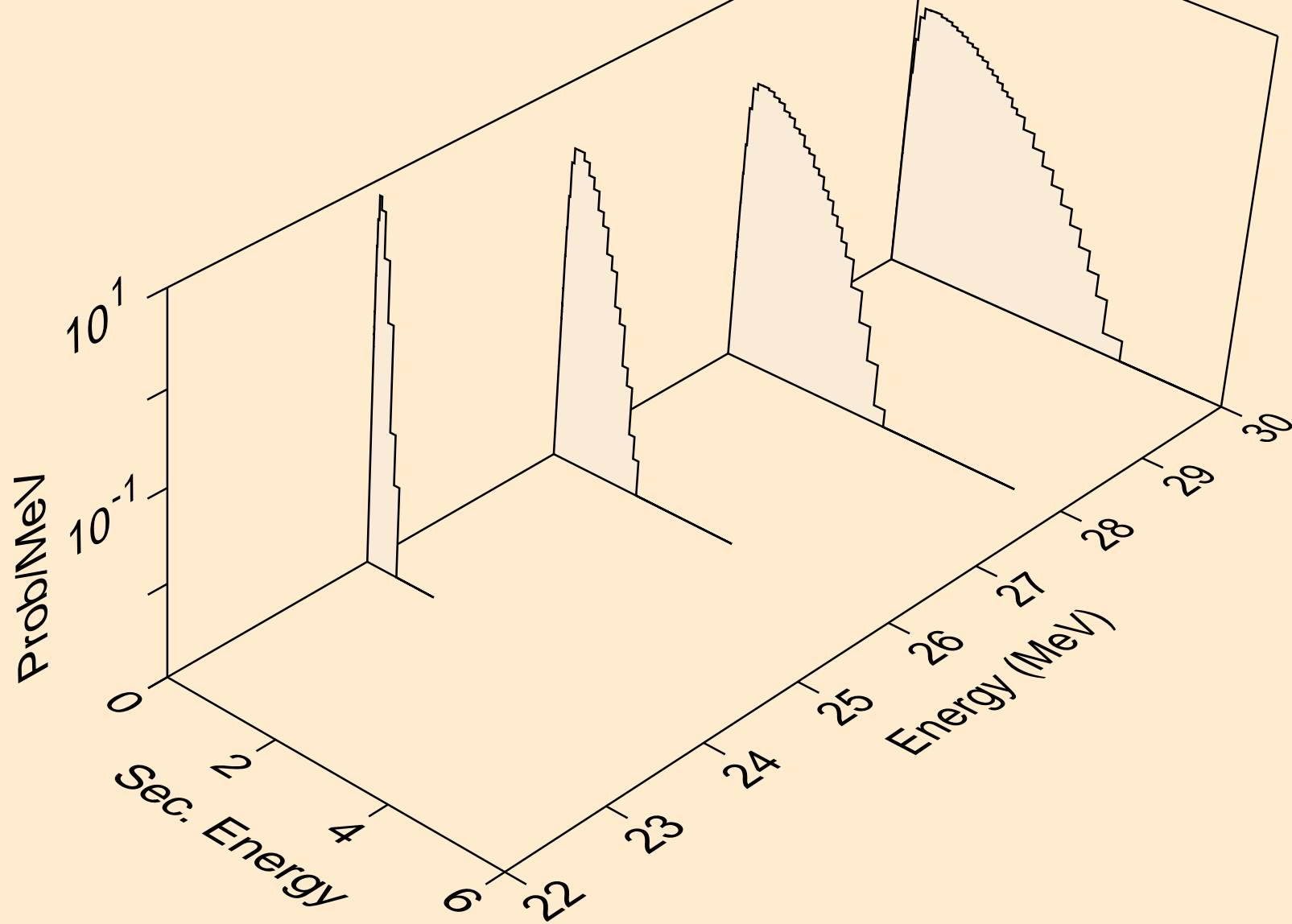
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



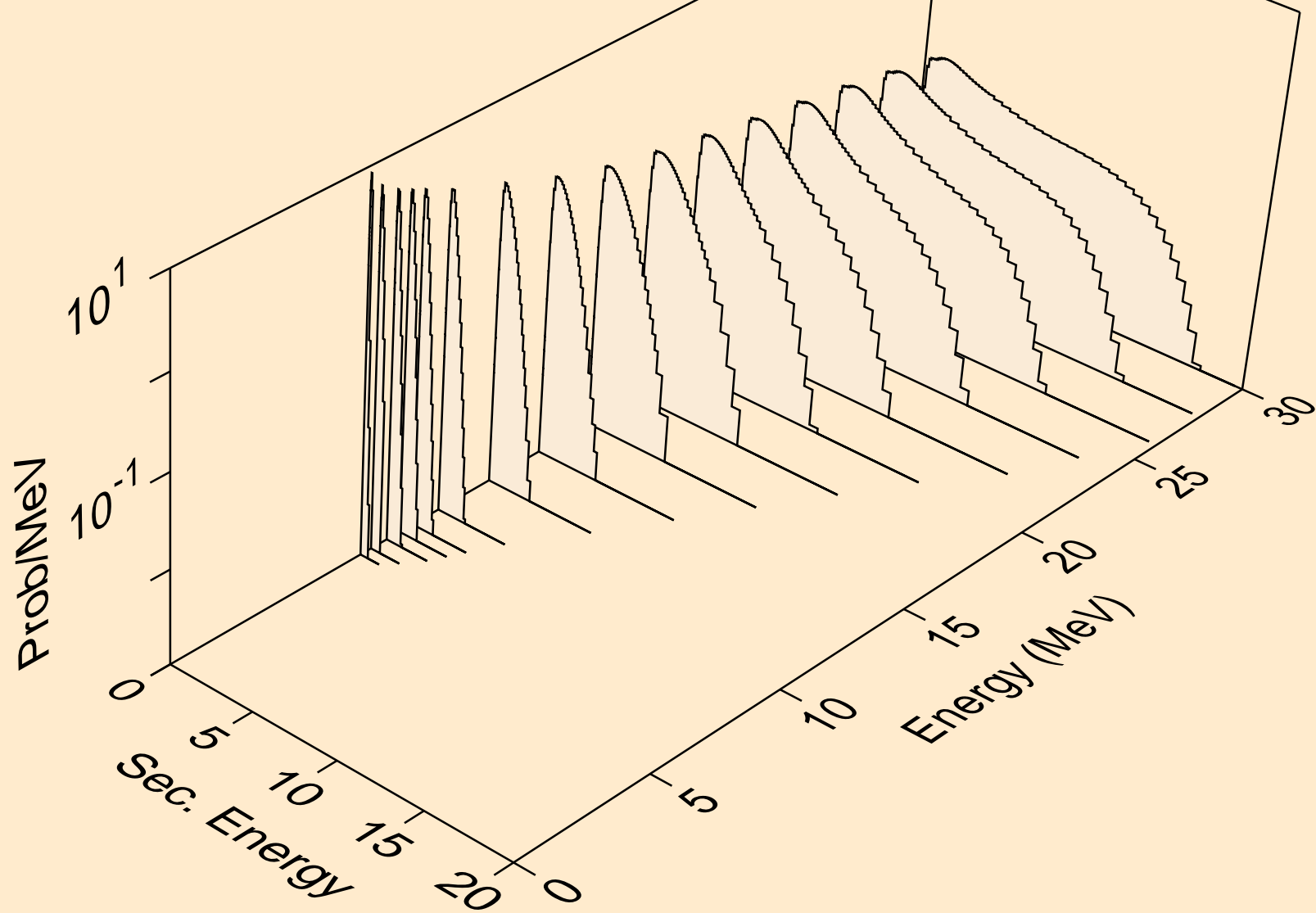
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

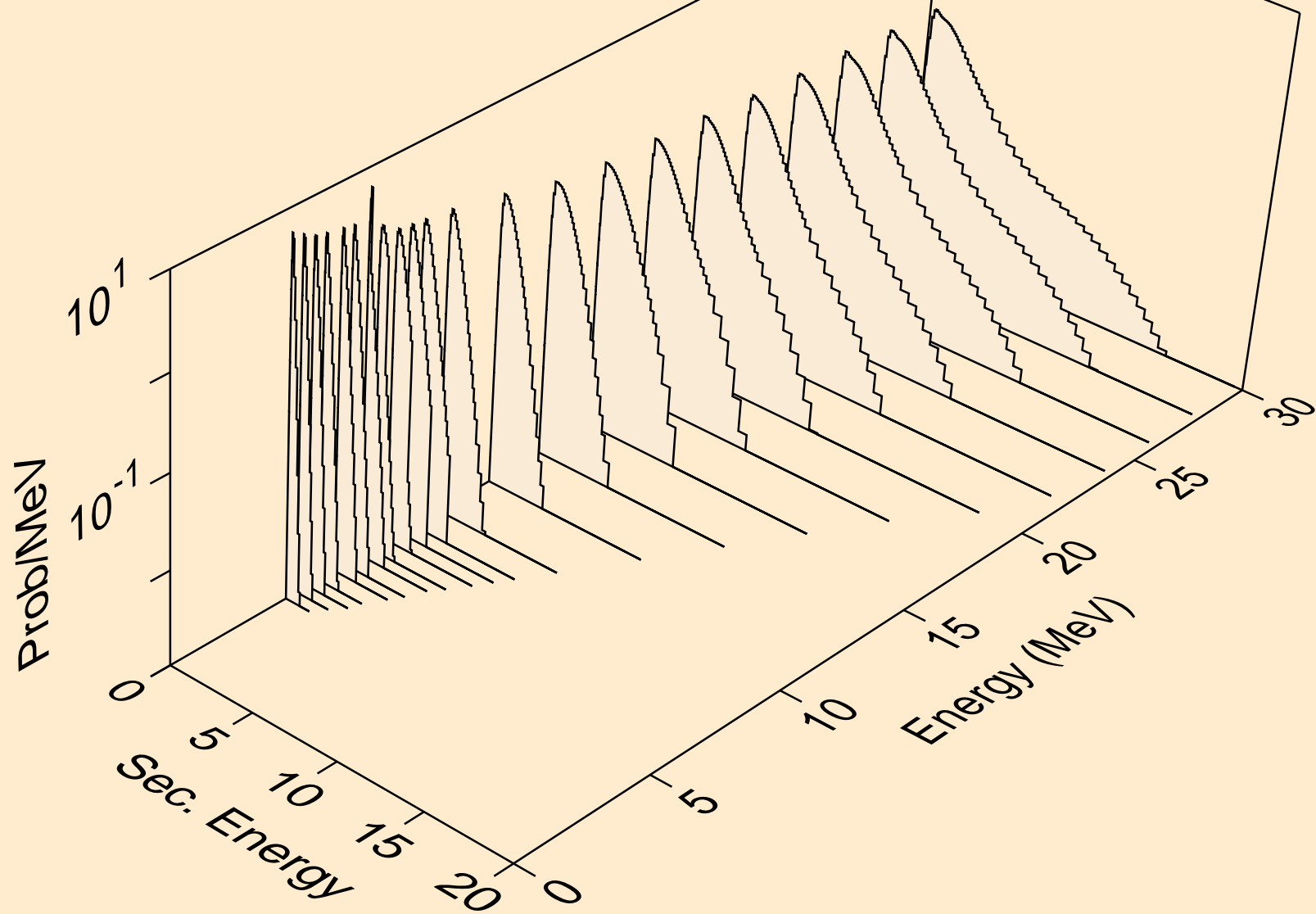


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

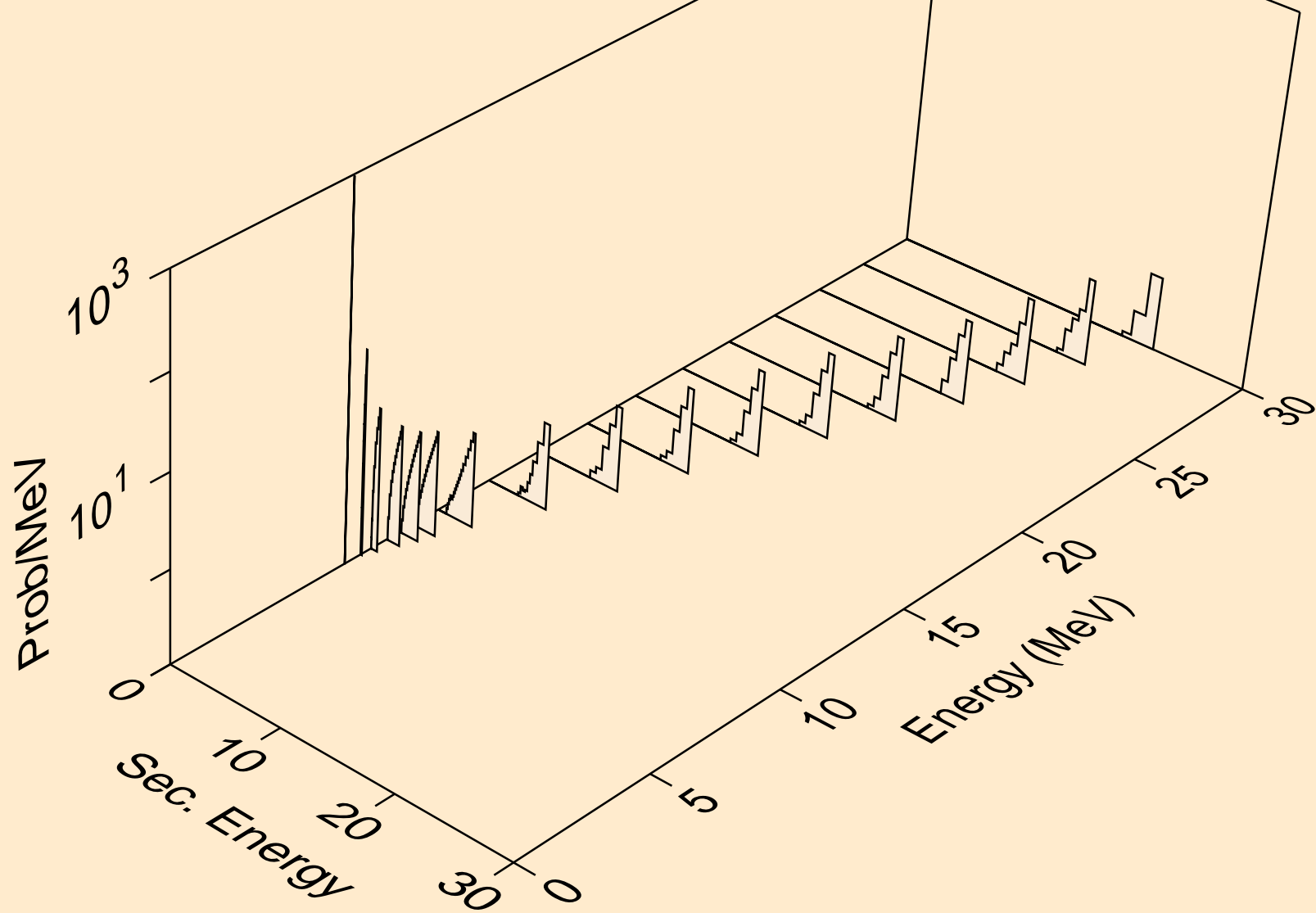




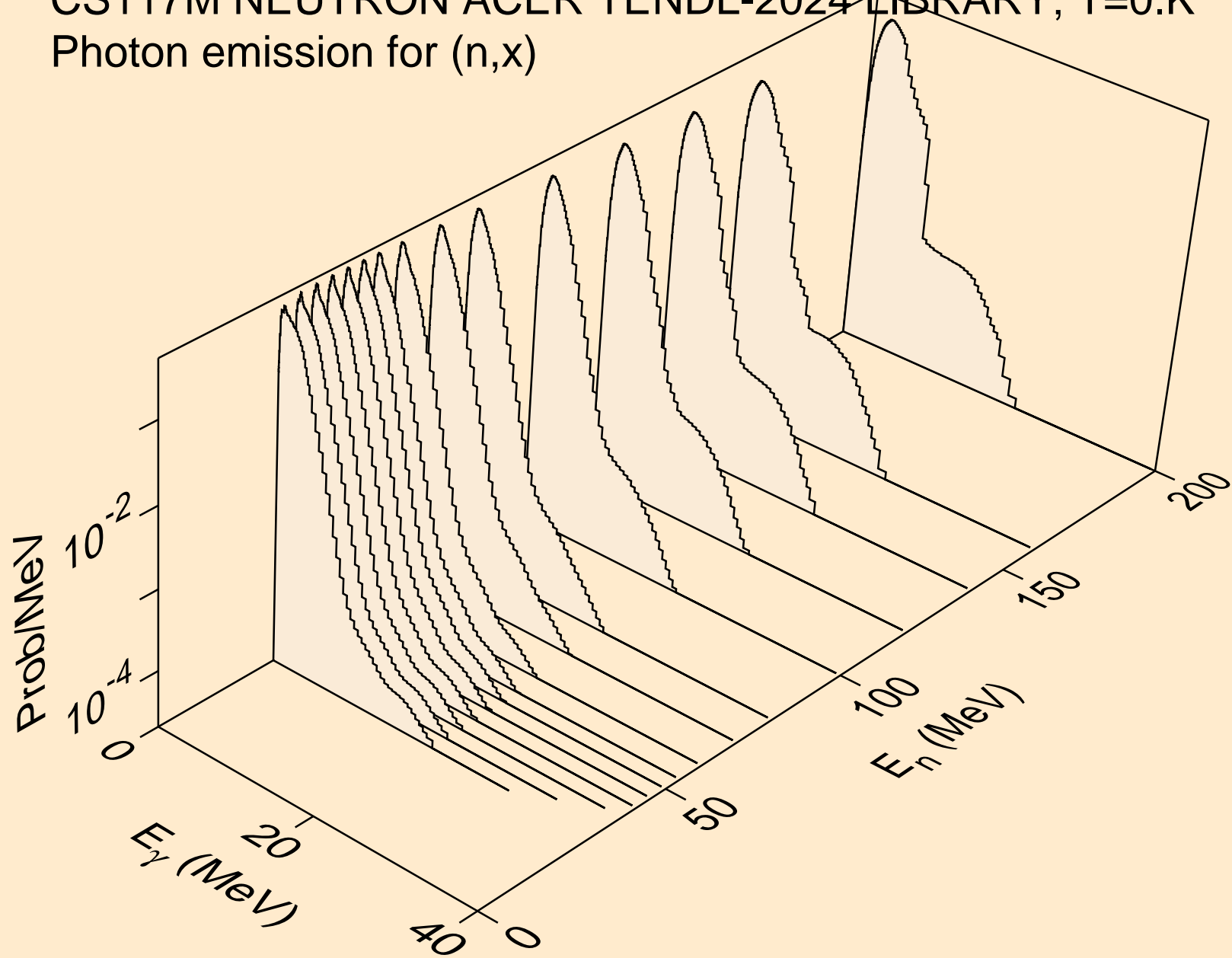
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Neutron emission for (n,npa)



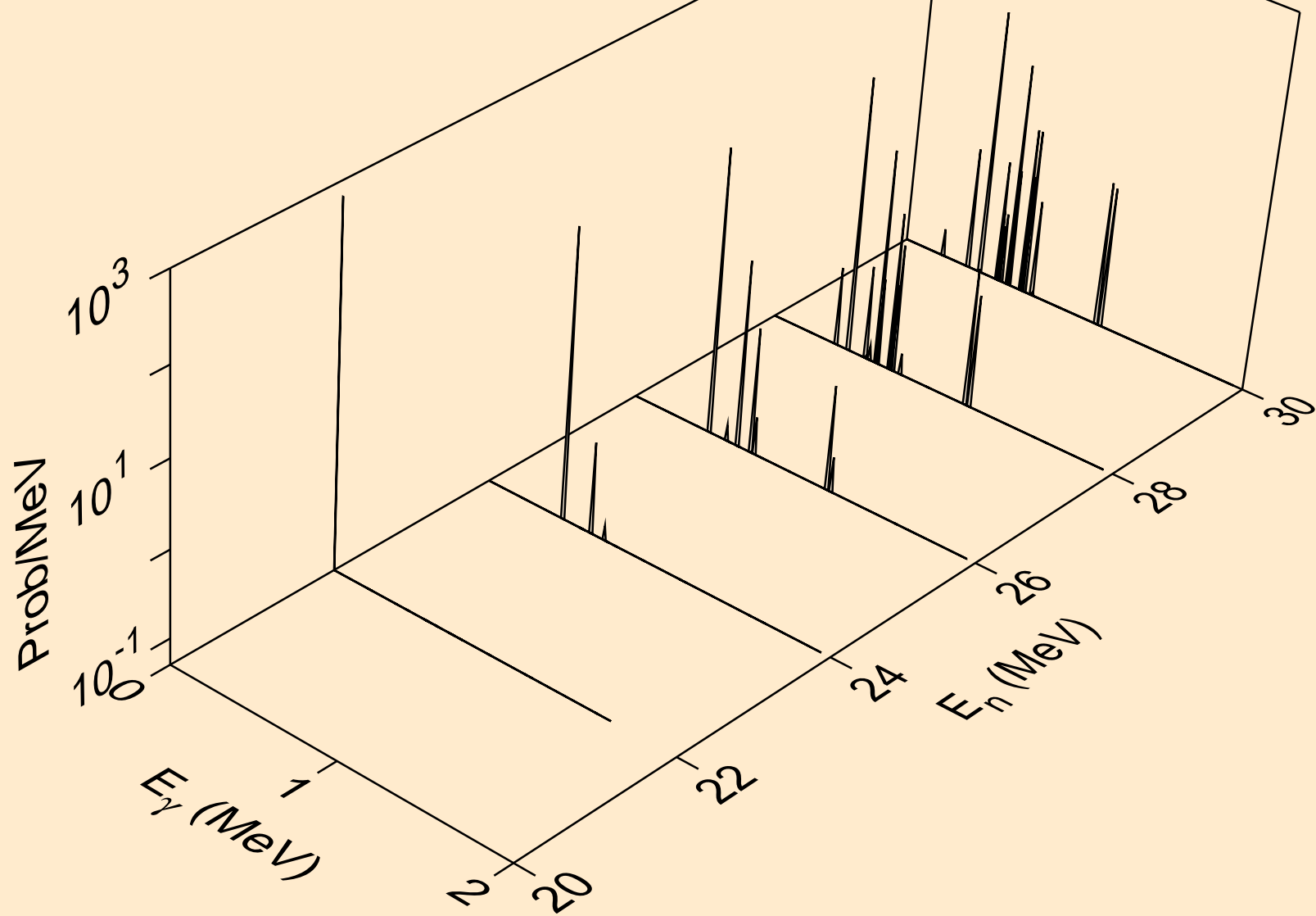
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Neutron emission for (n,n\*c)



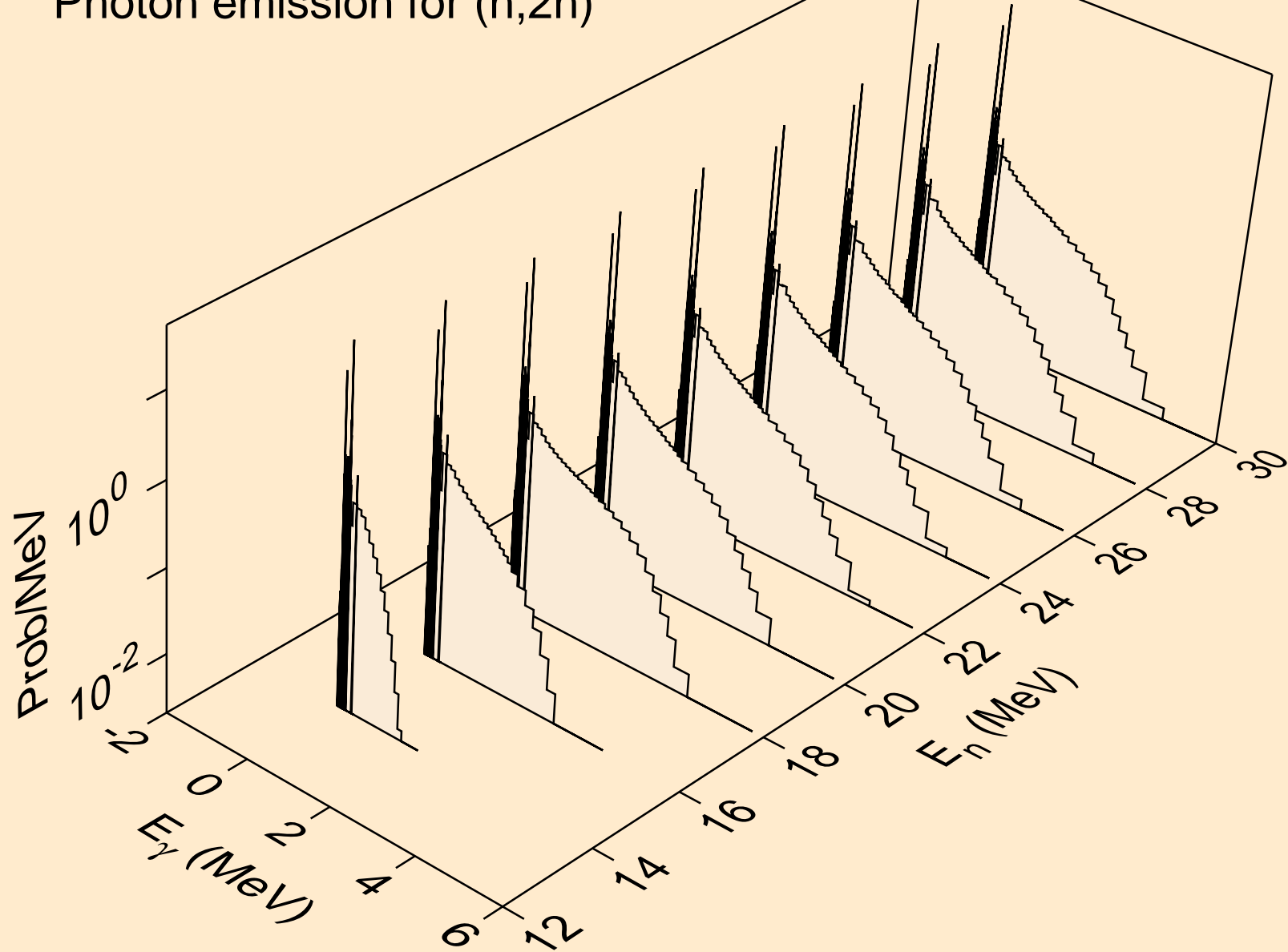
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Photon emission for (n,x)



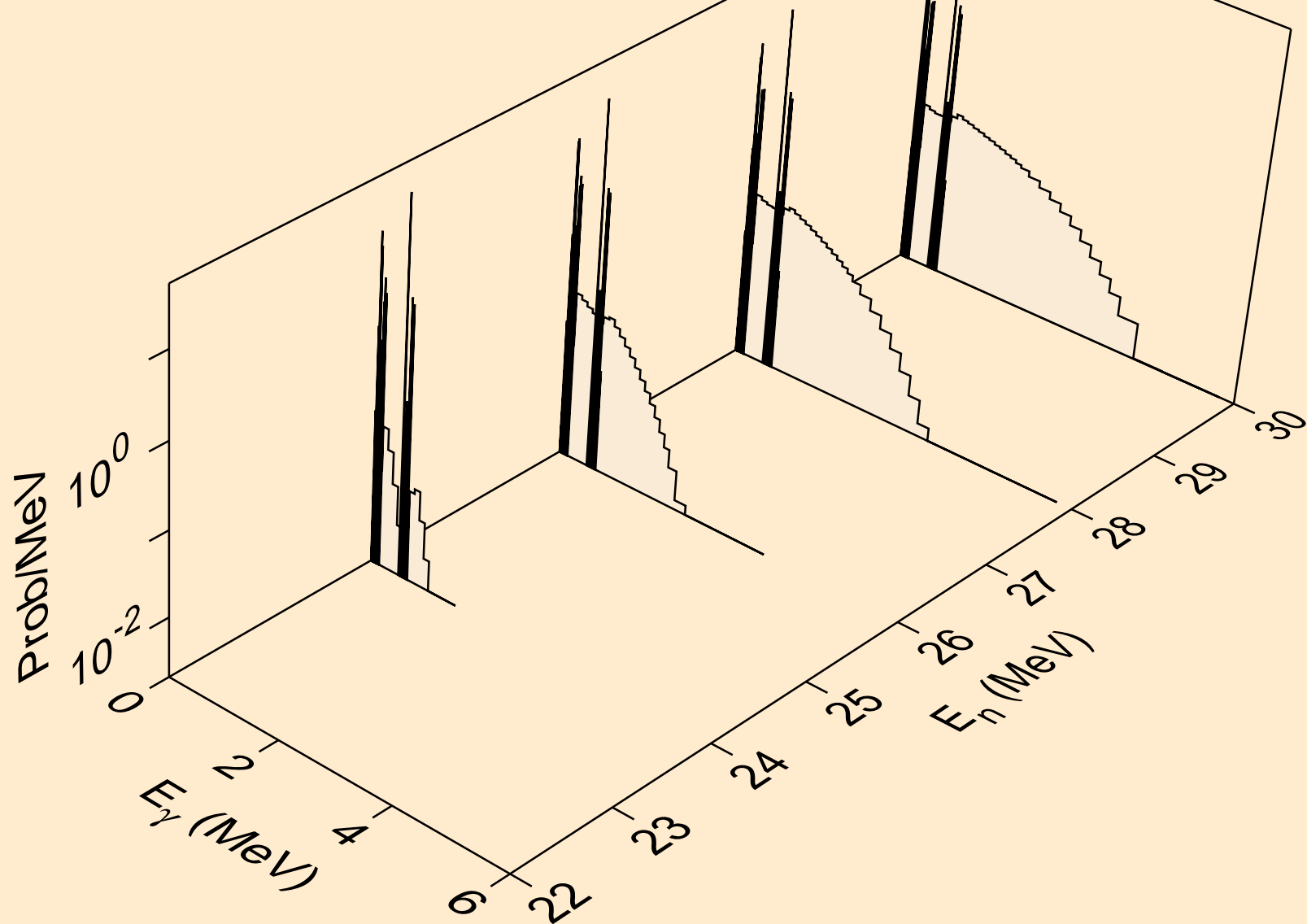
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Photon emission for (n,2nd)



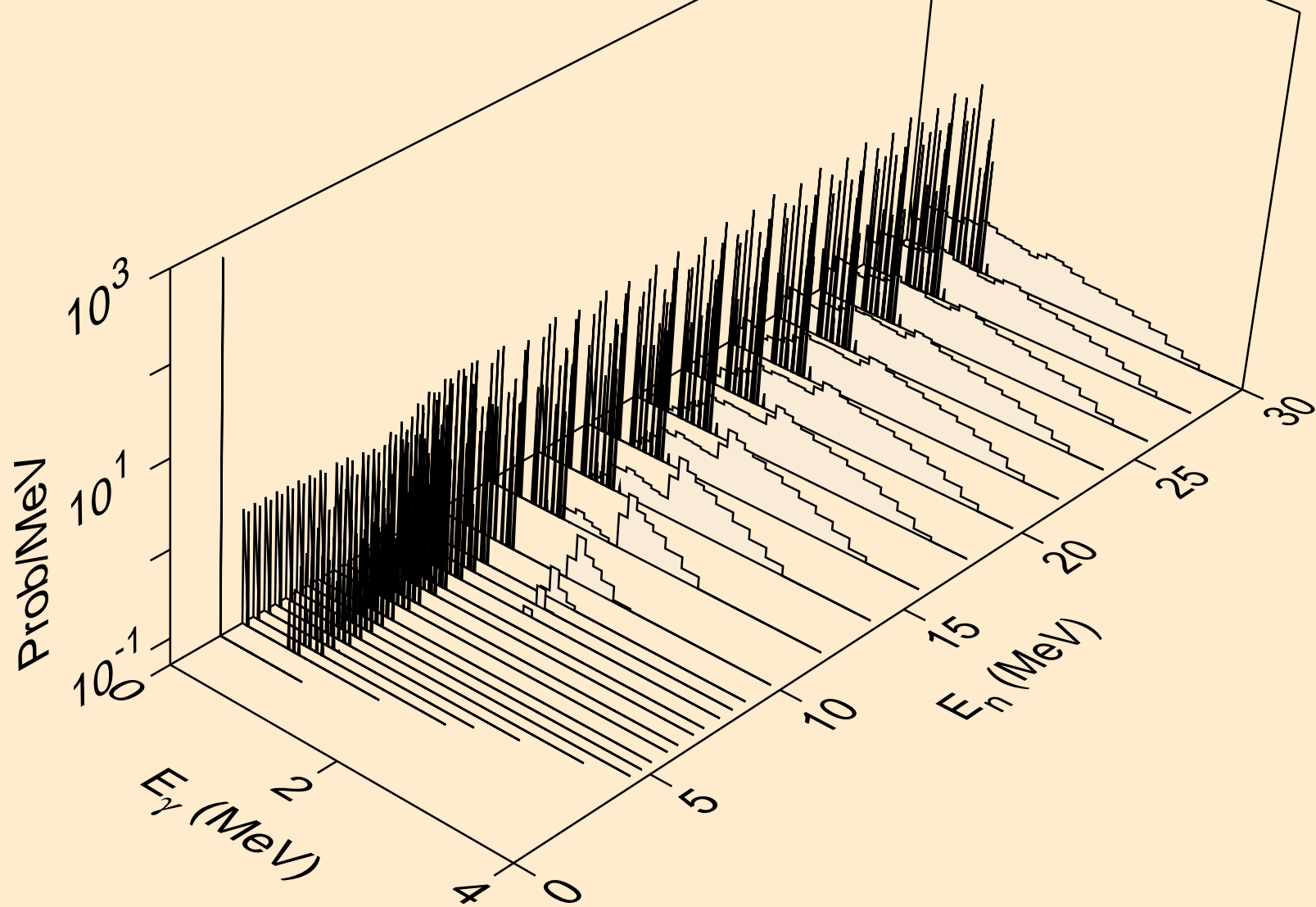
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Photon emission for (n,2n)



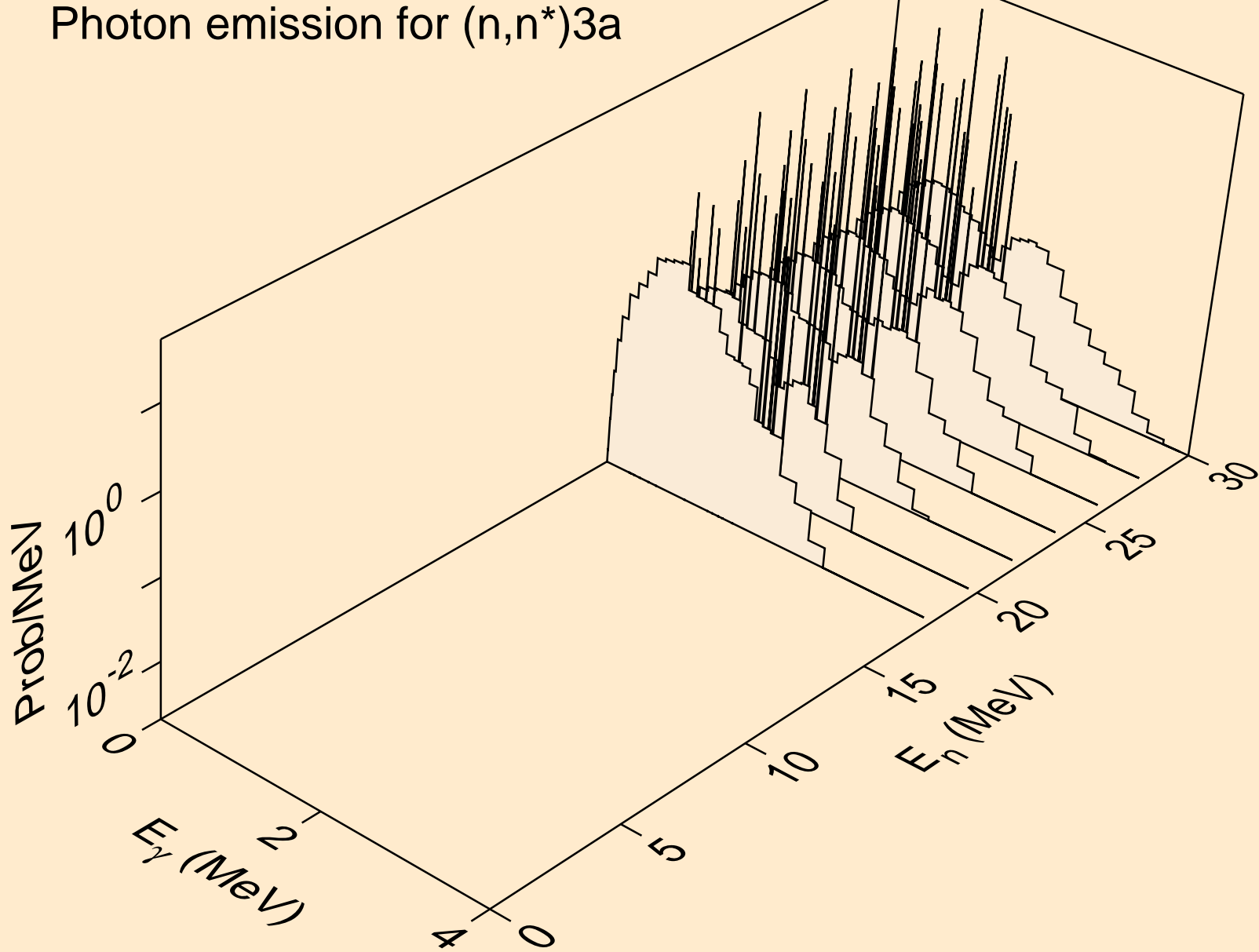
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

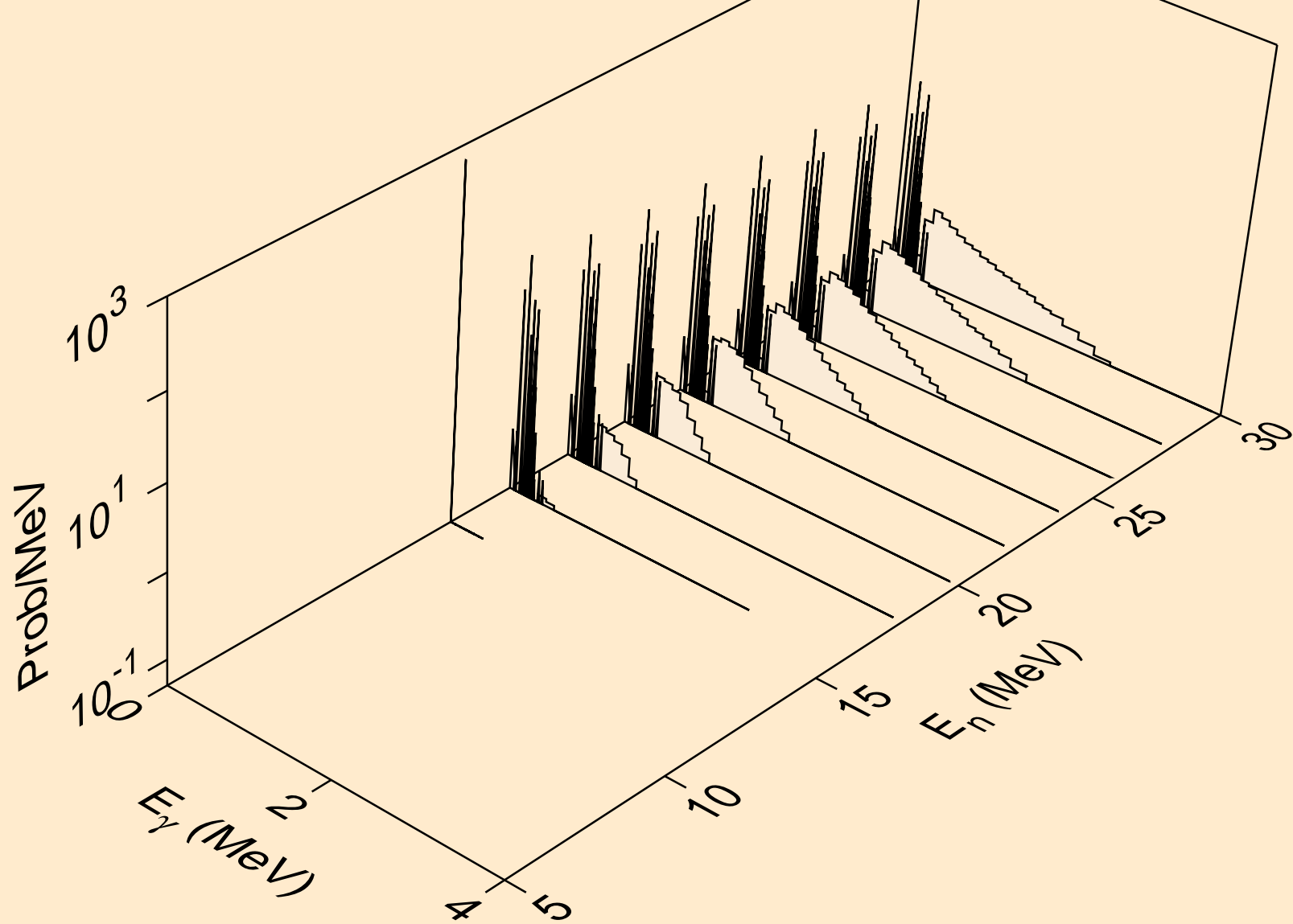


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a

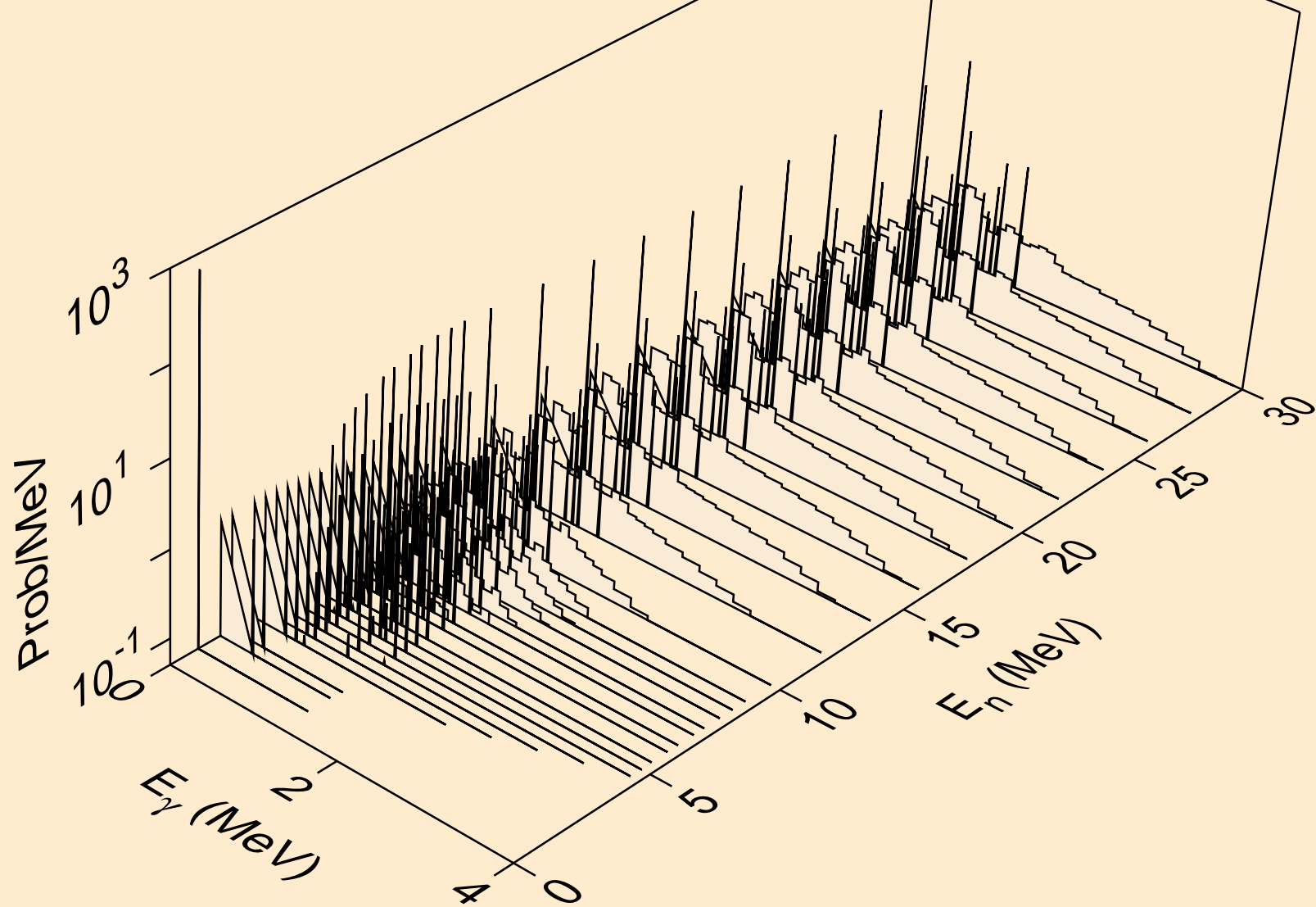




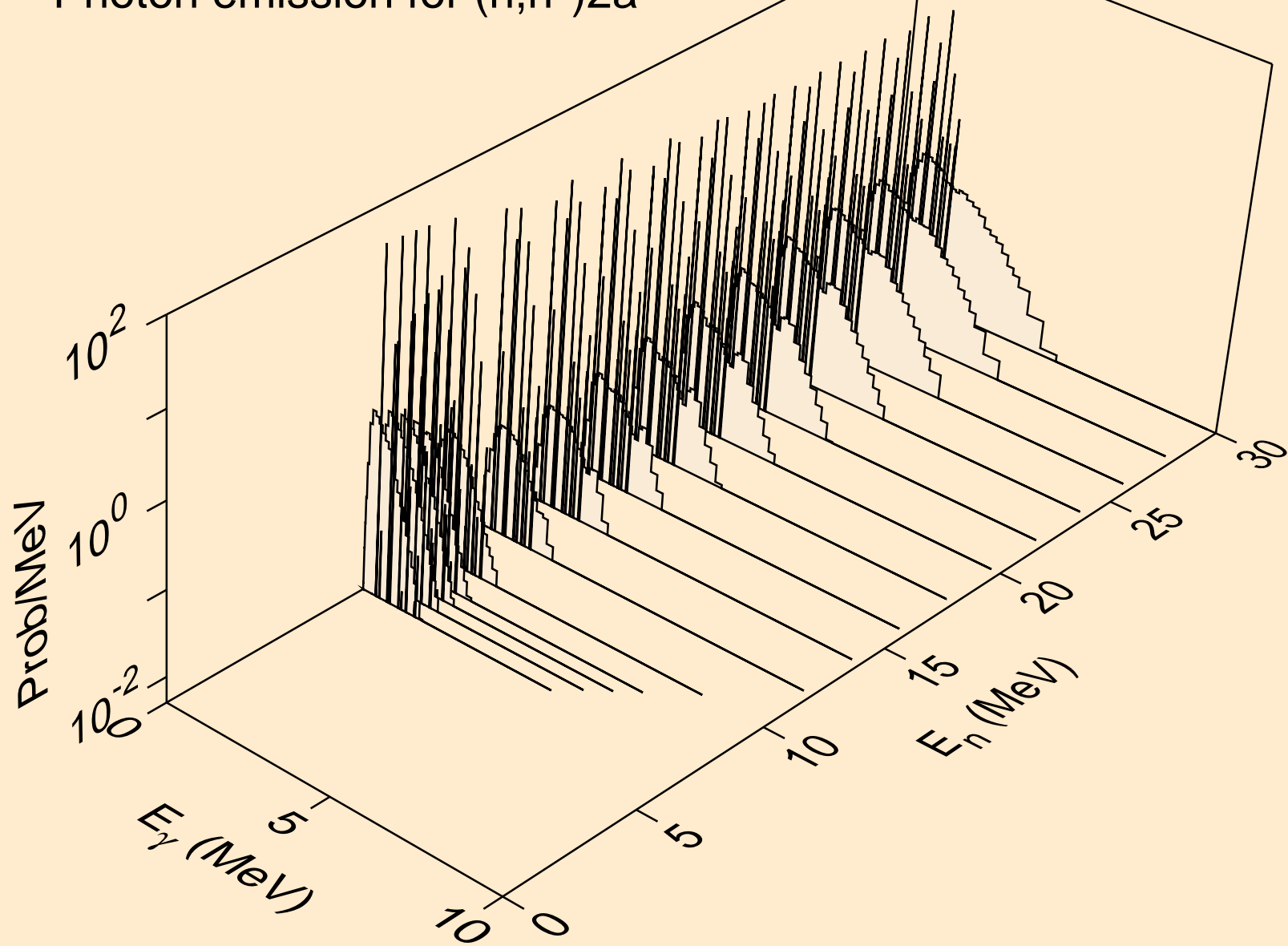
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Photon emission for (n,2n)a



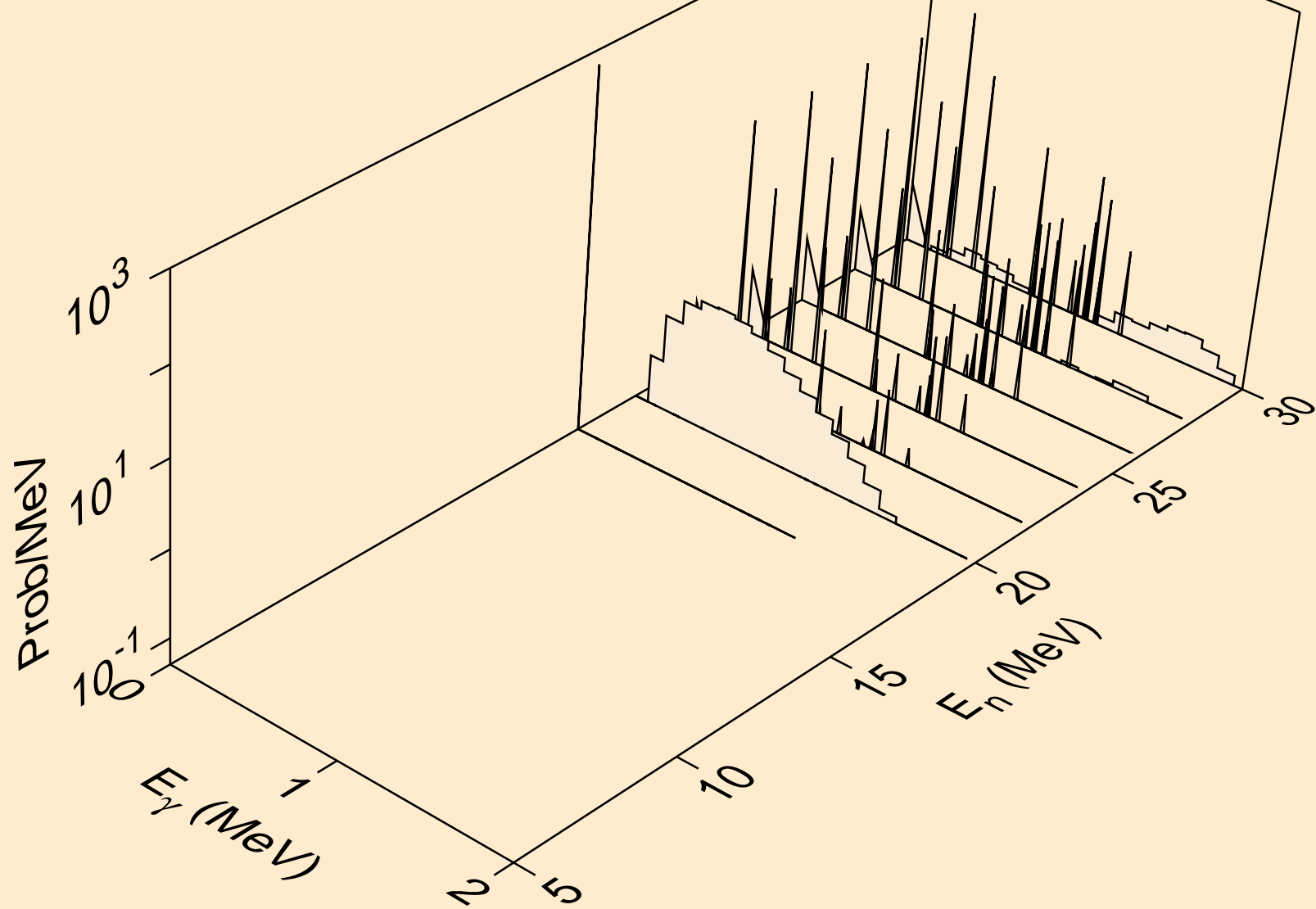
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



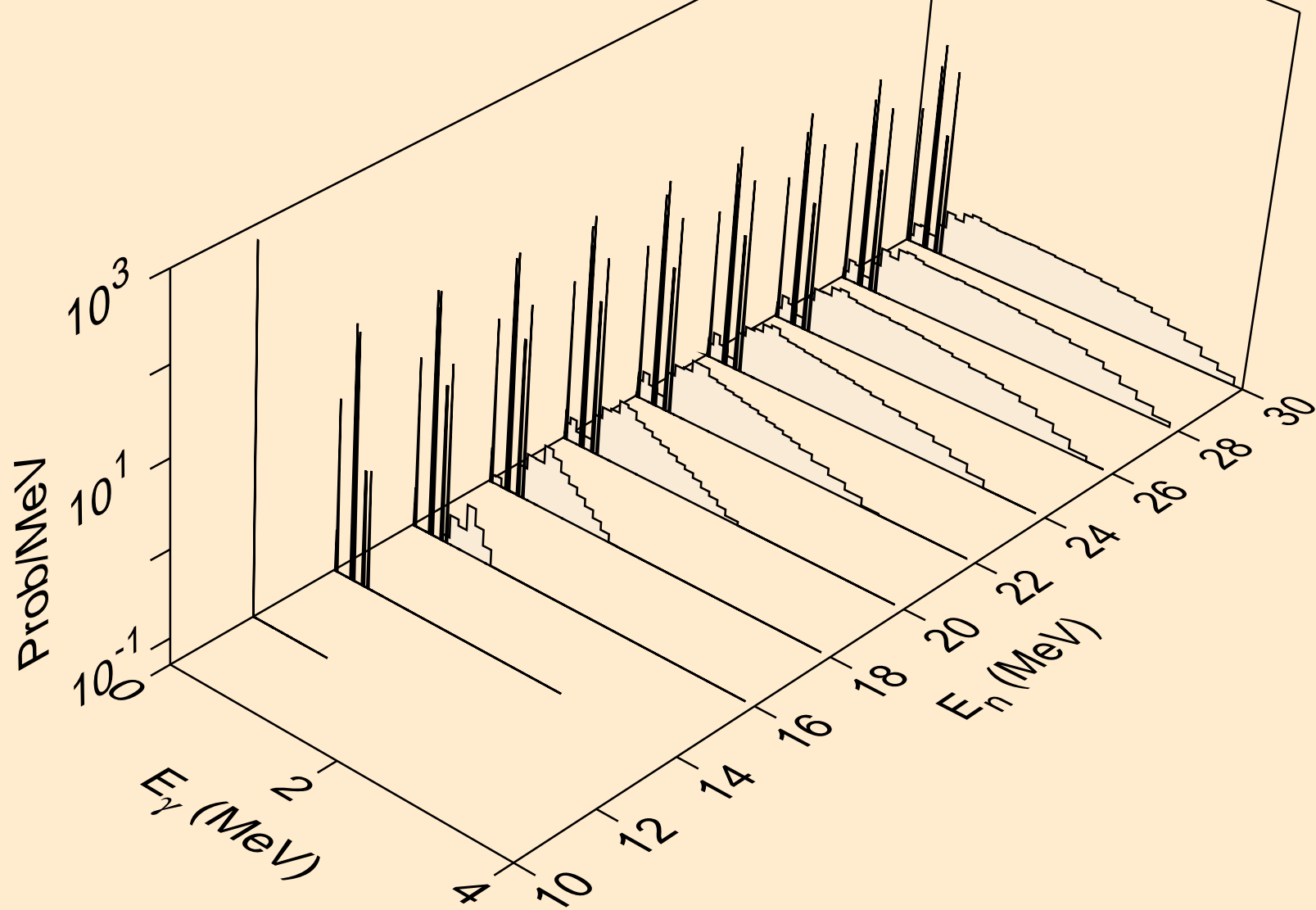
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Photon emission for (n,n\*)2a



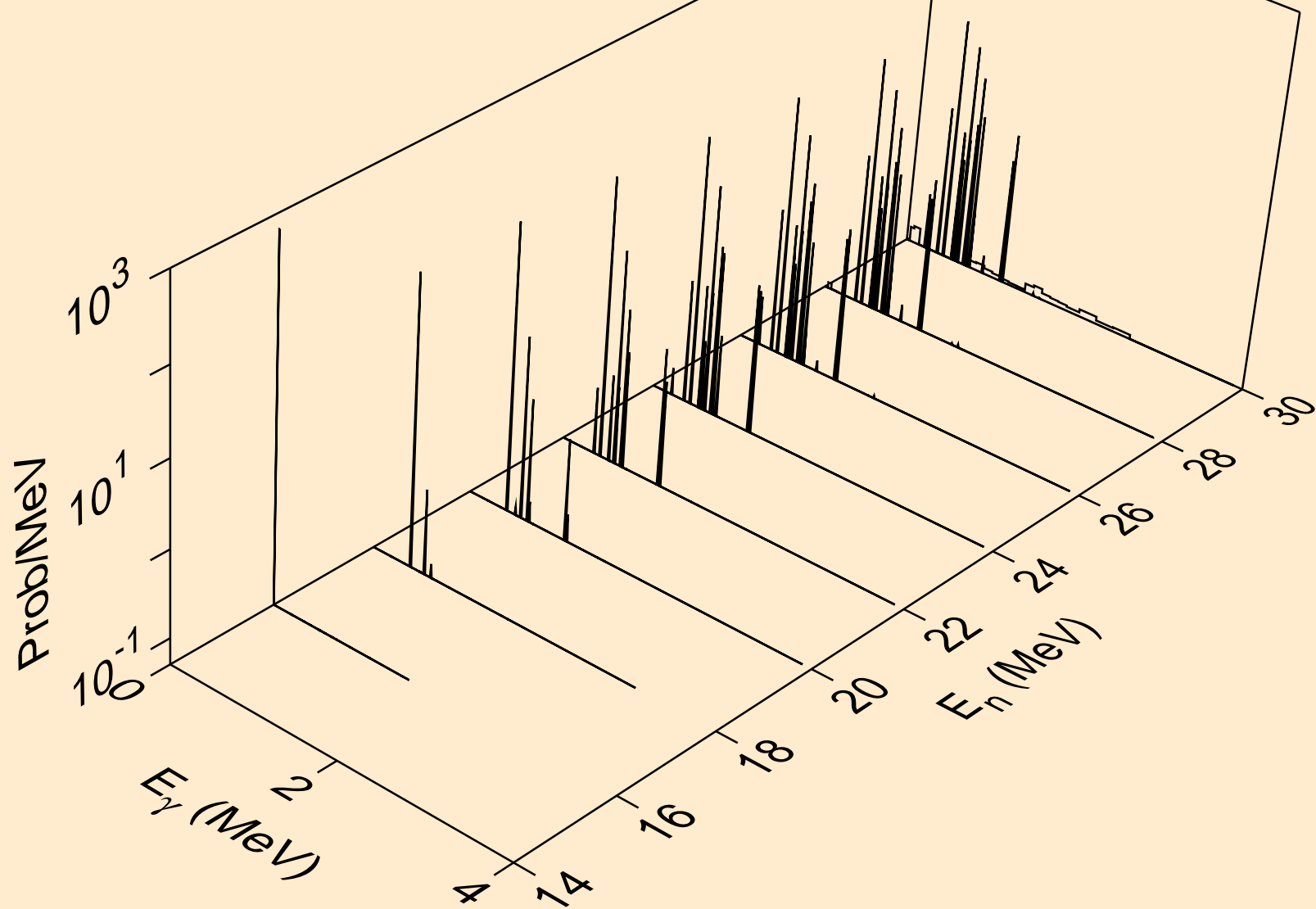
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Photon emission for (n,2n)2a



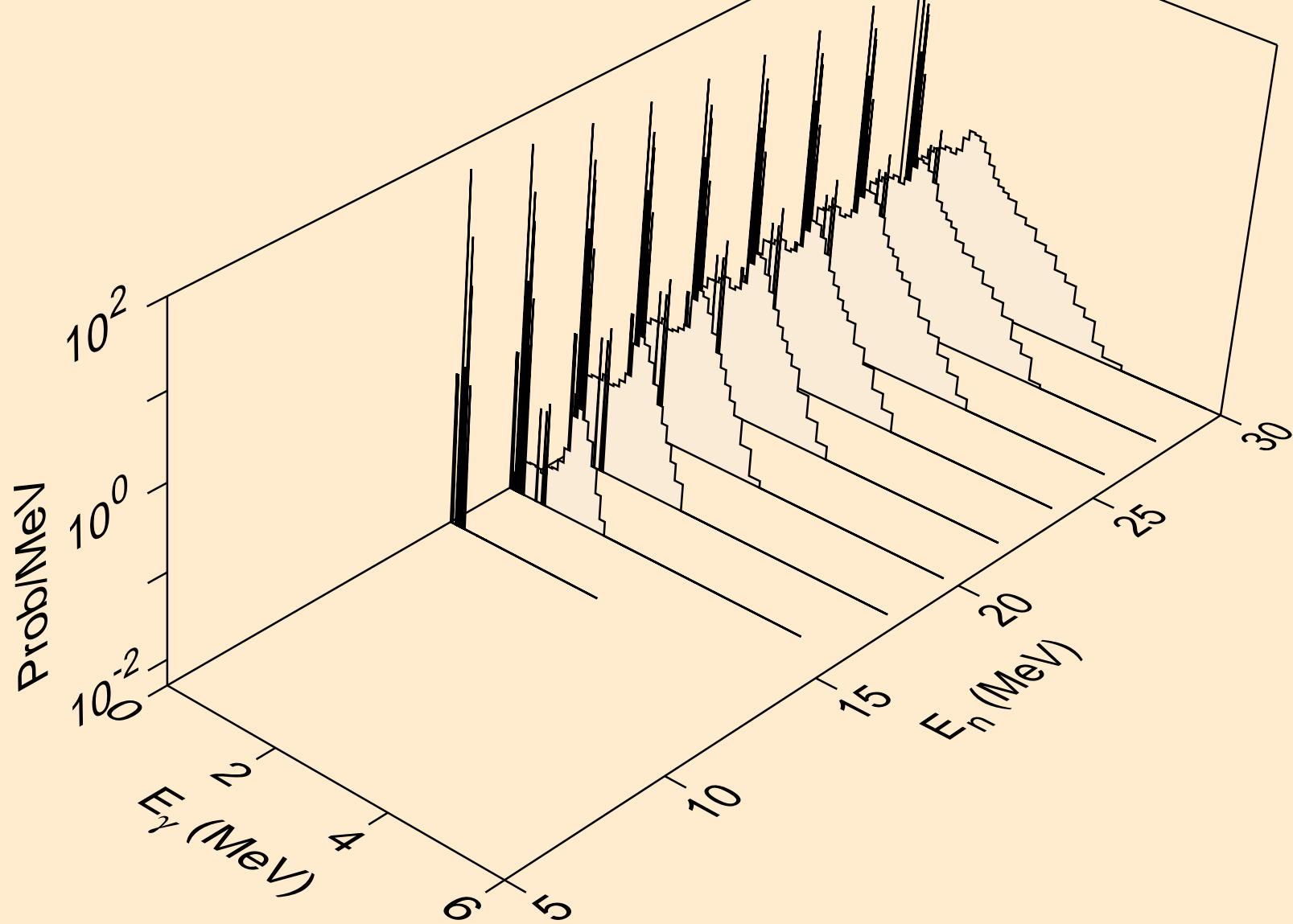
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



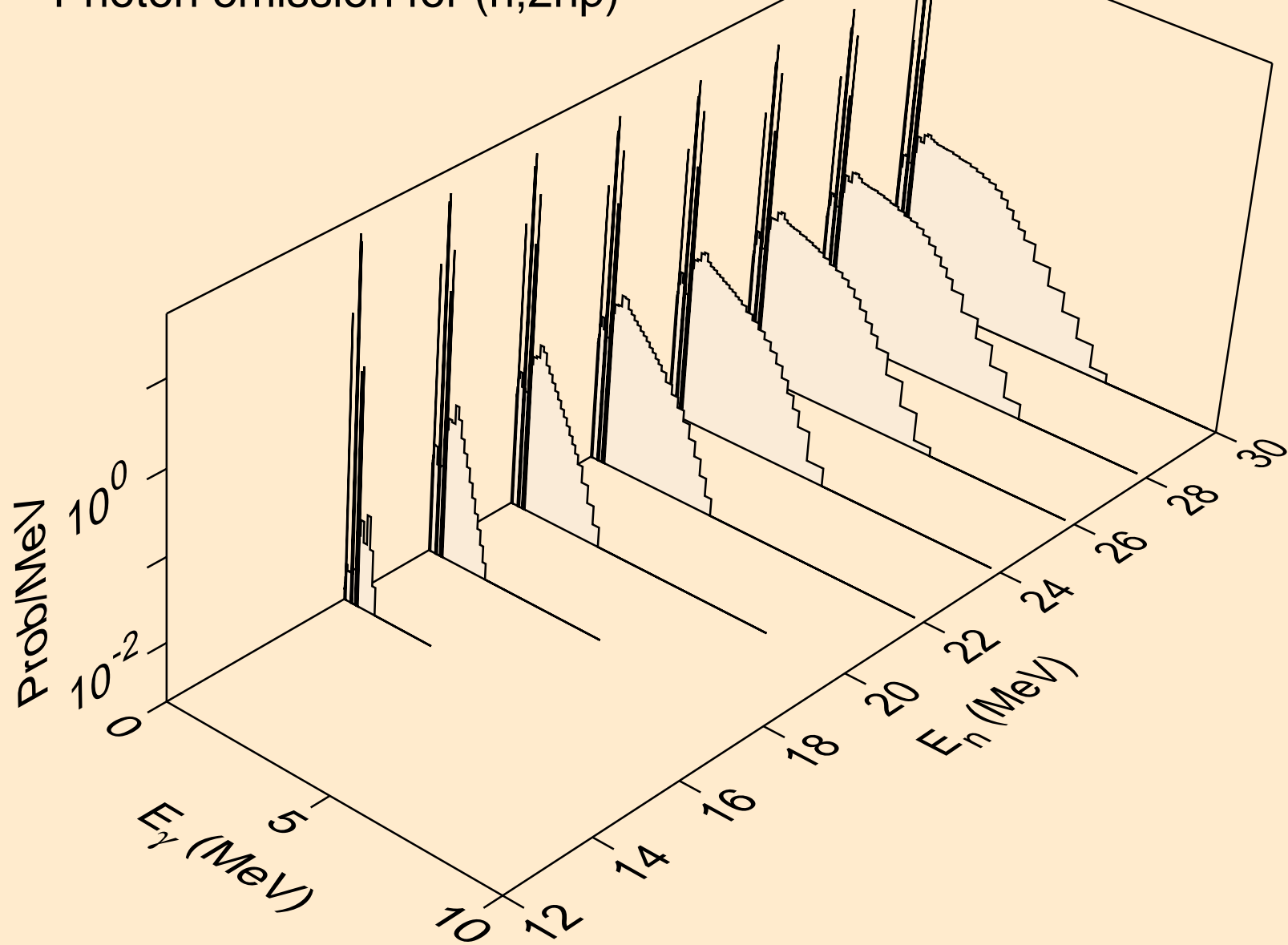
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

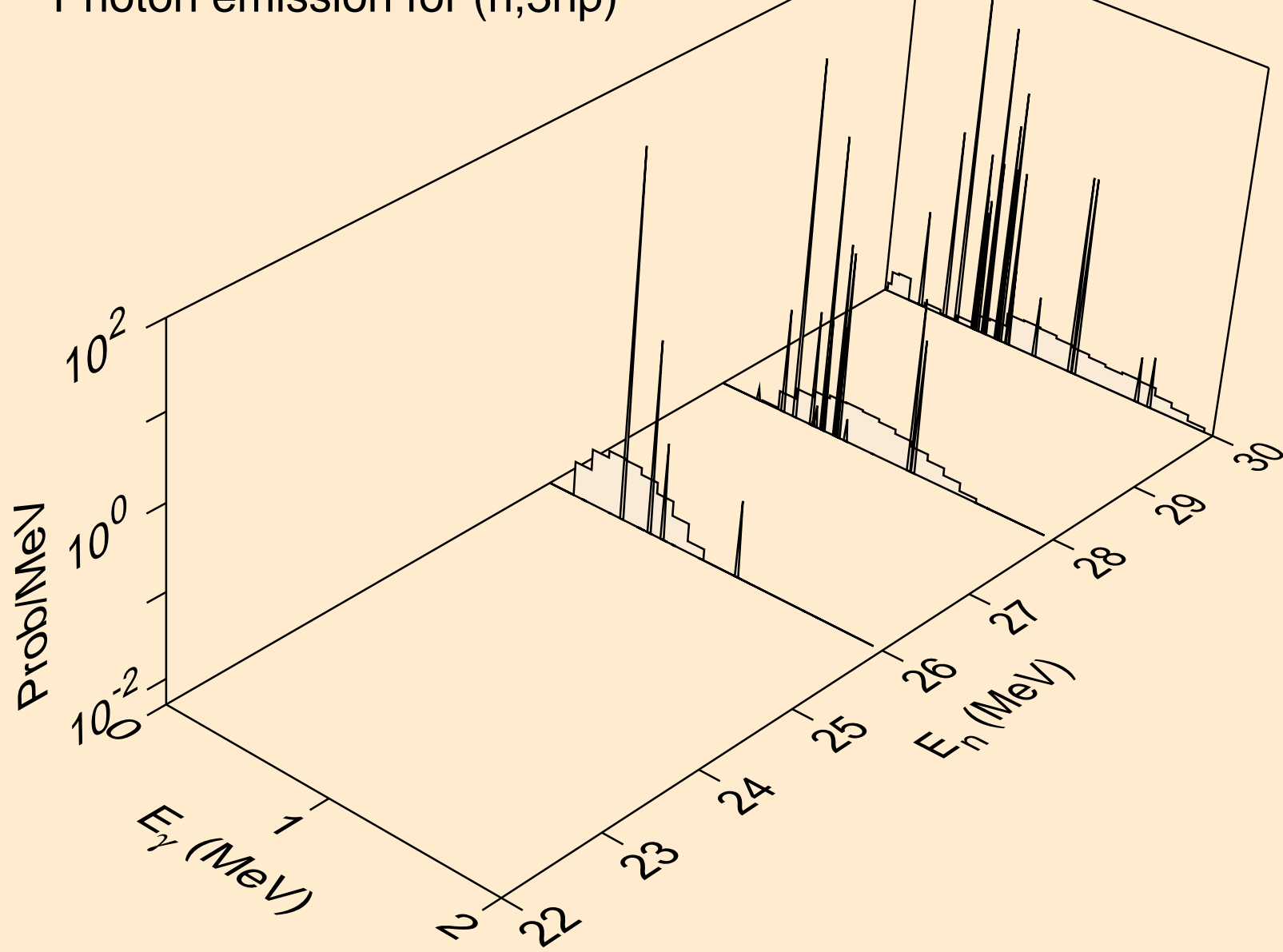


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

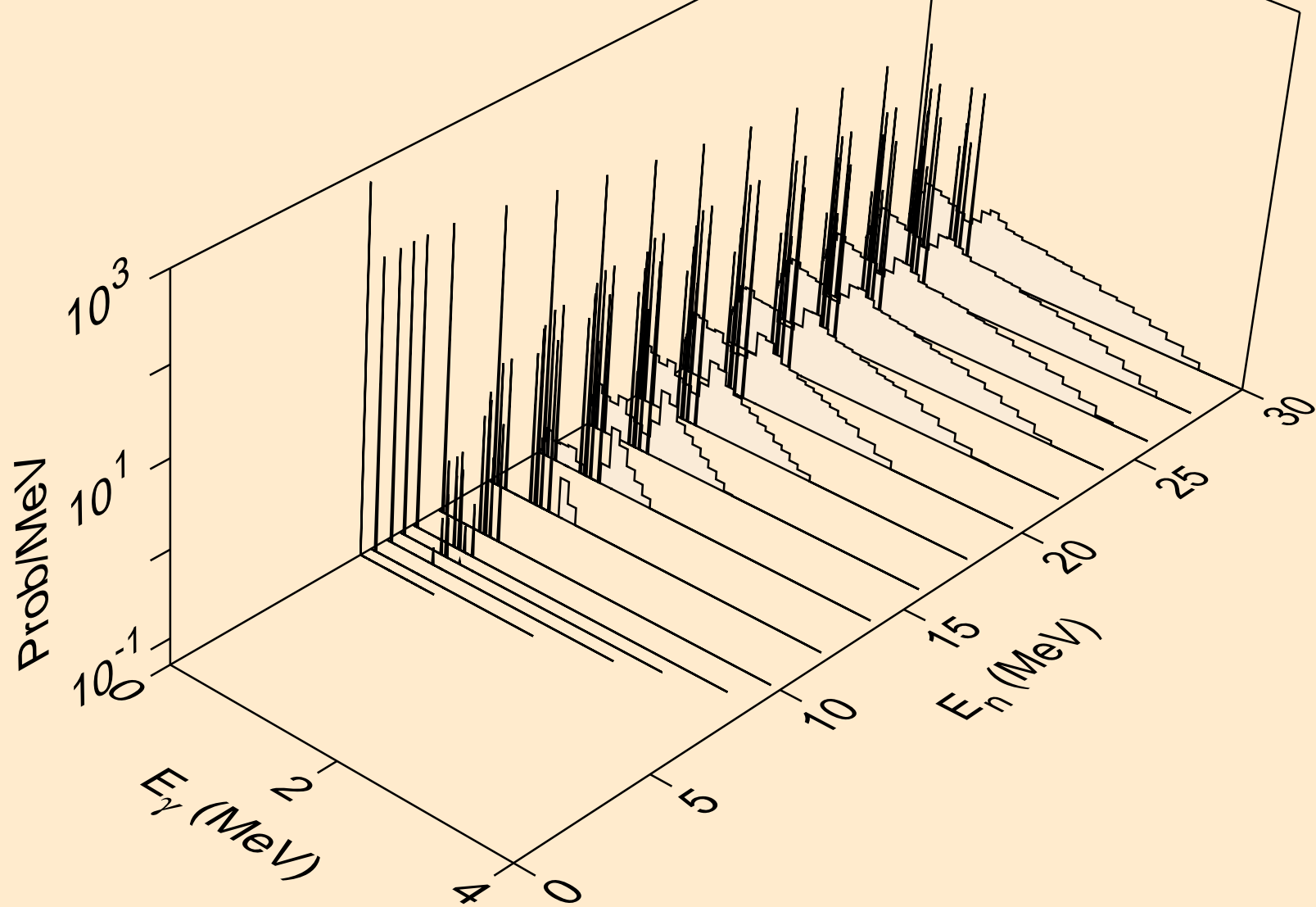




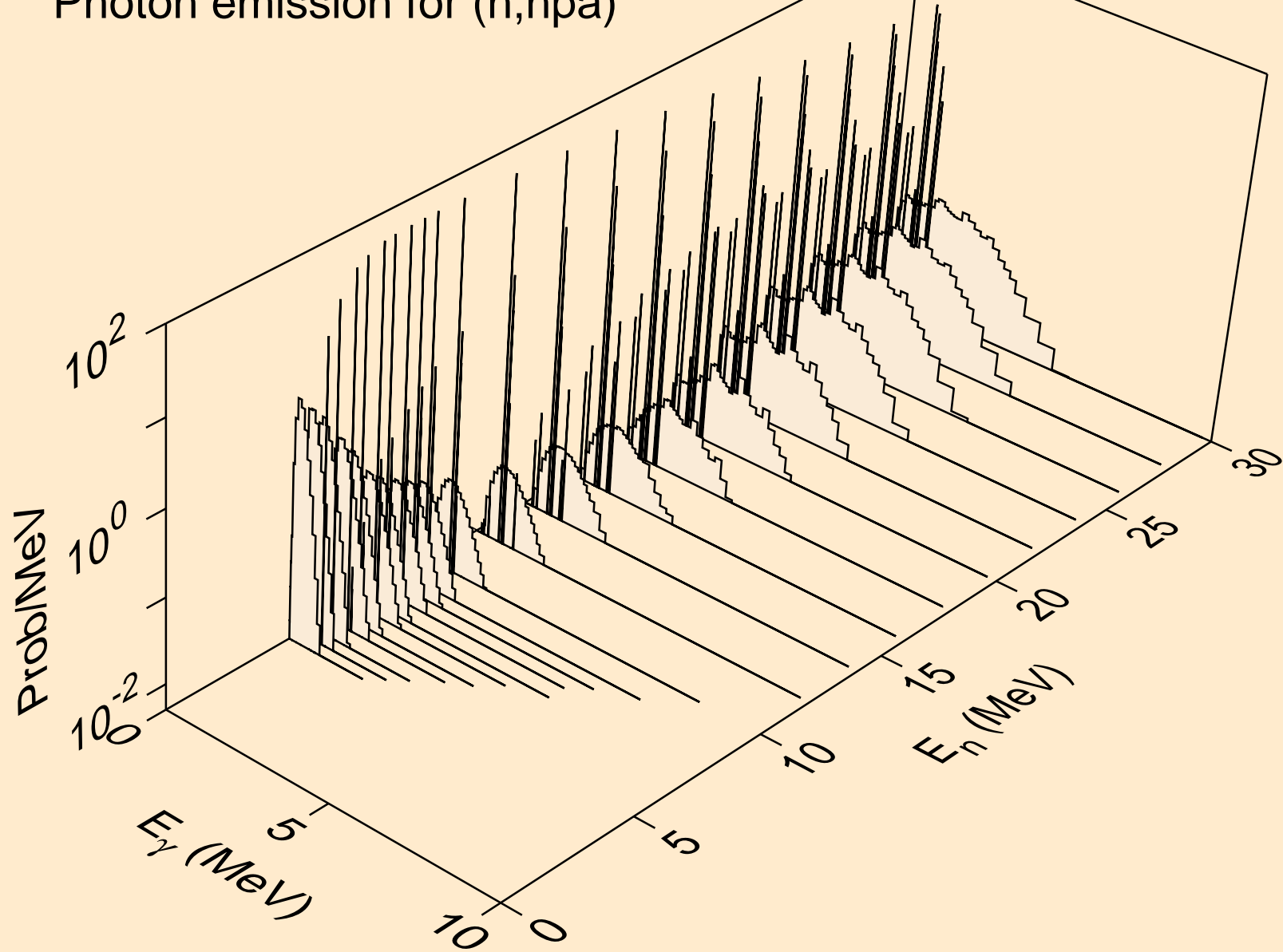
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



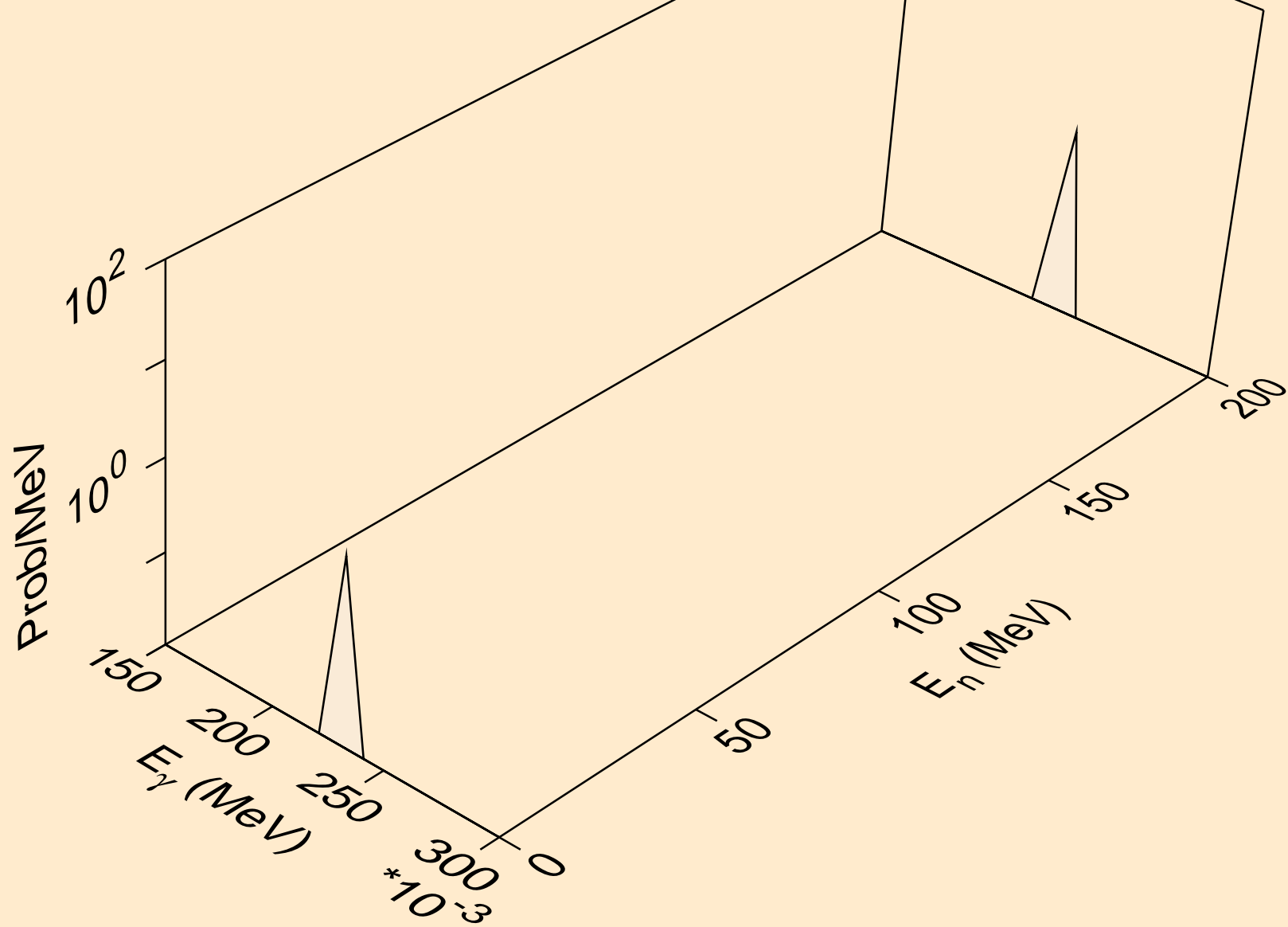
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



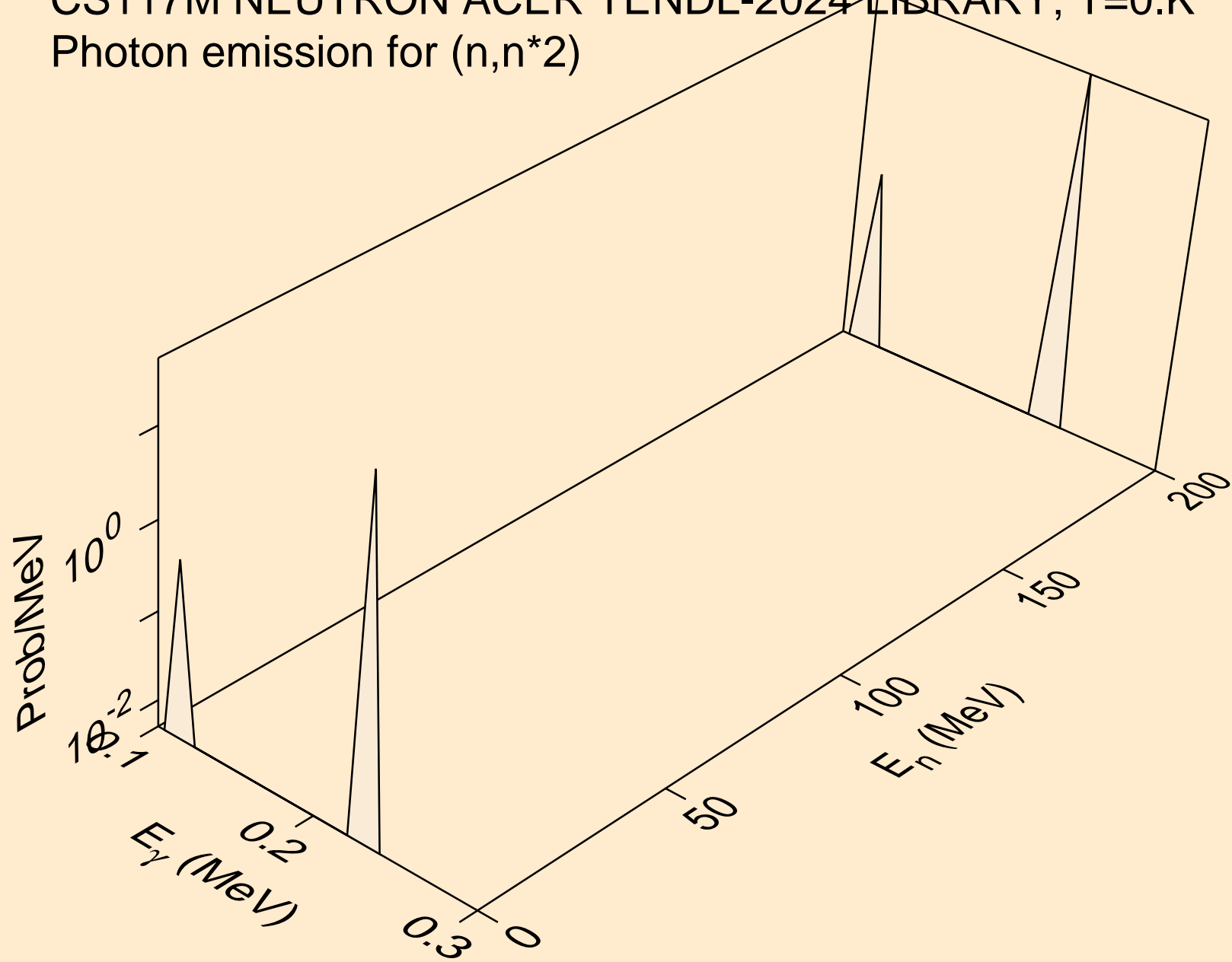
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



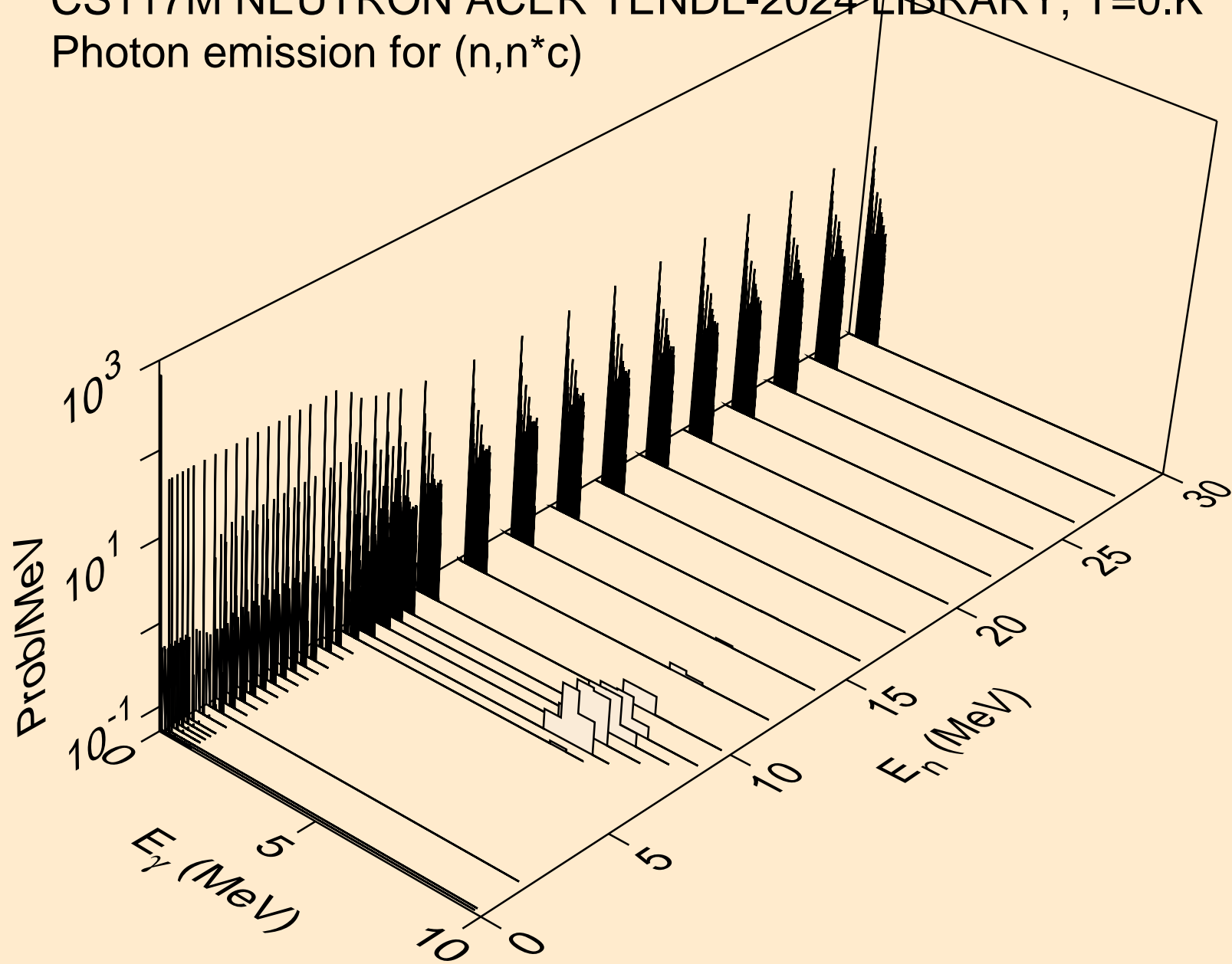
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*1)



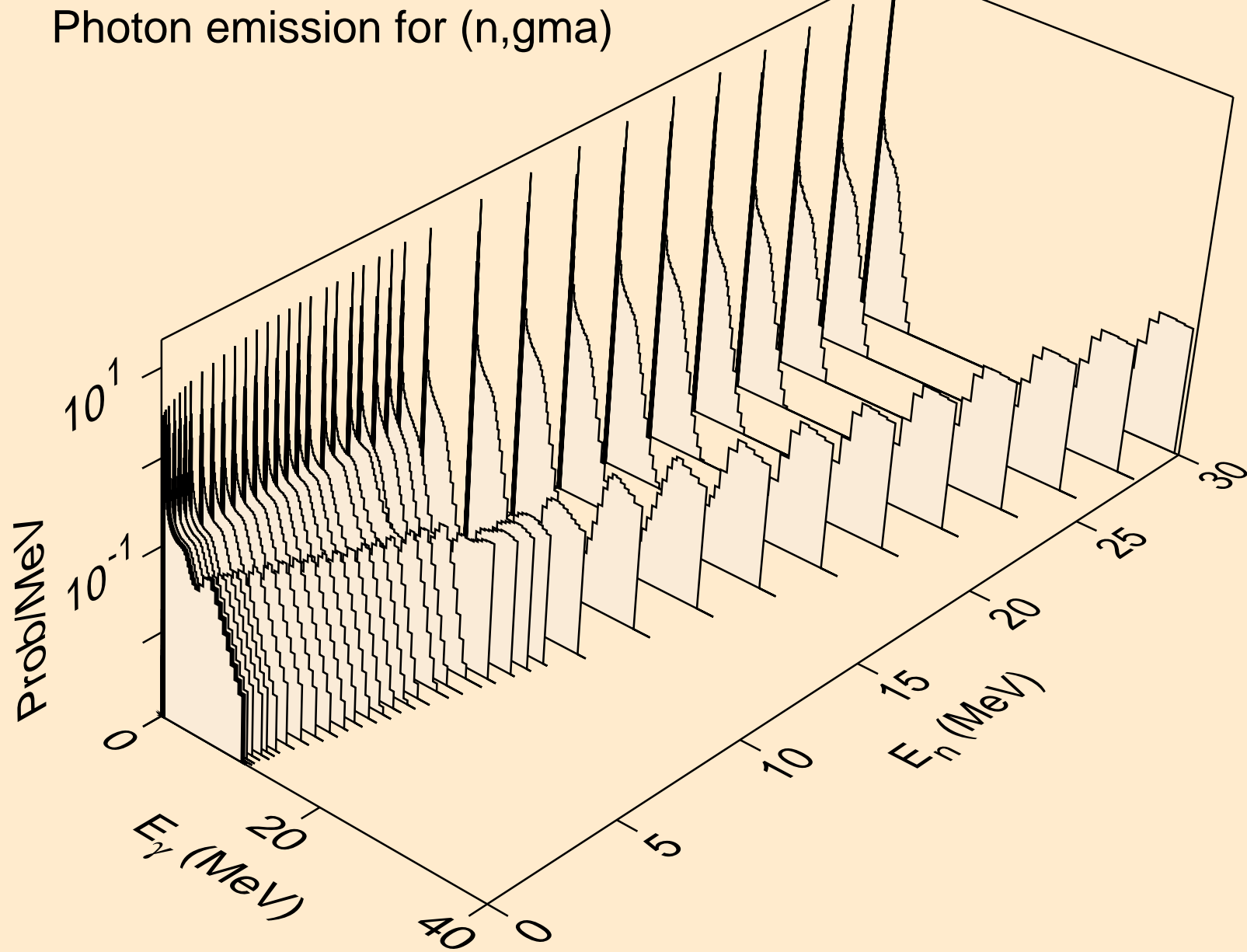
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*2)



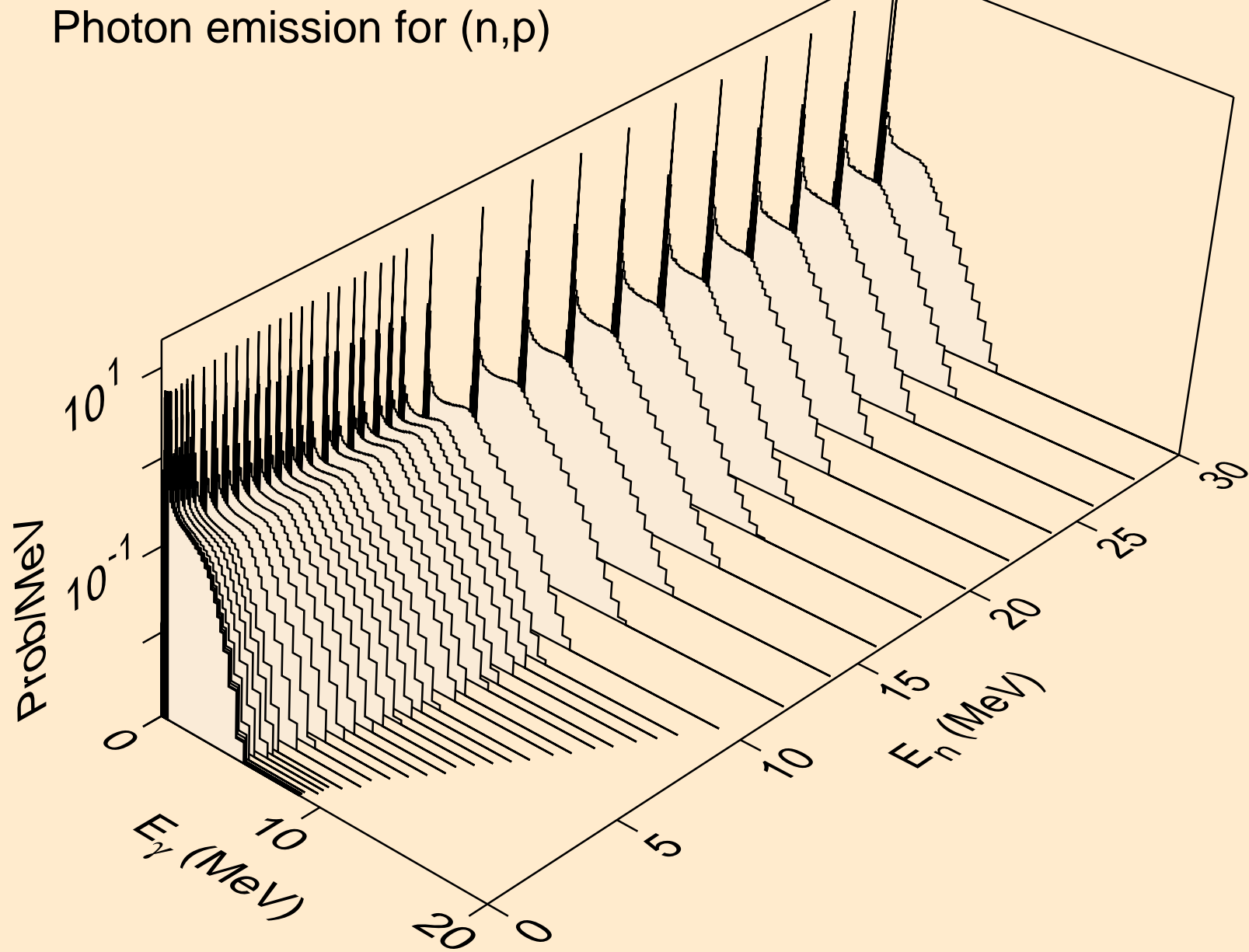
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

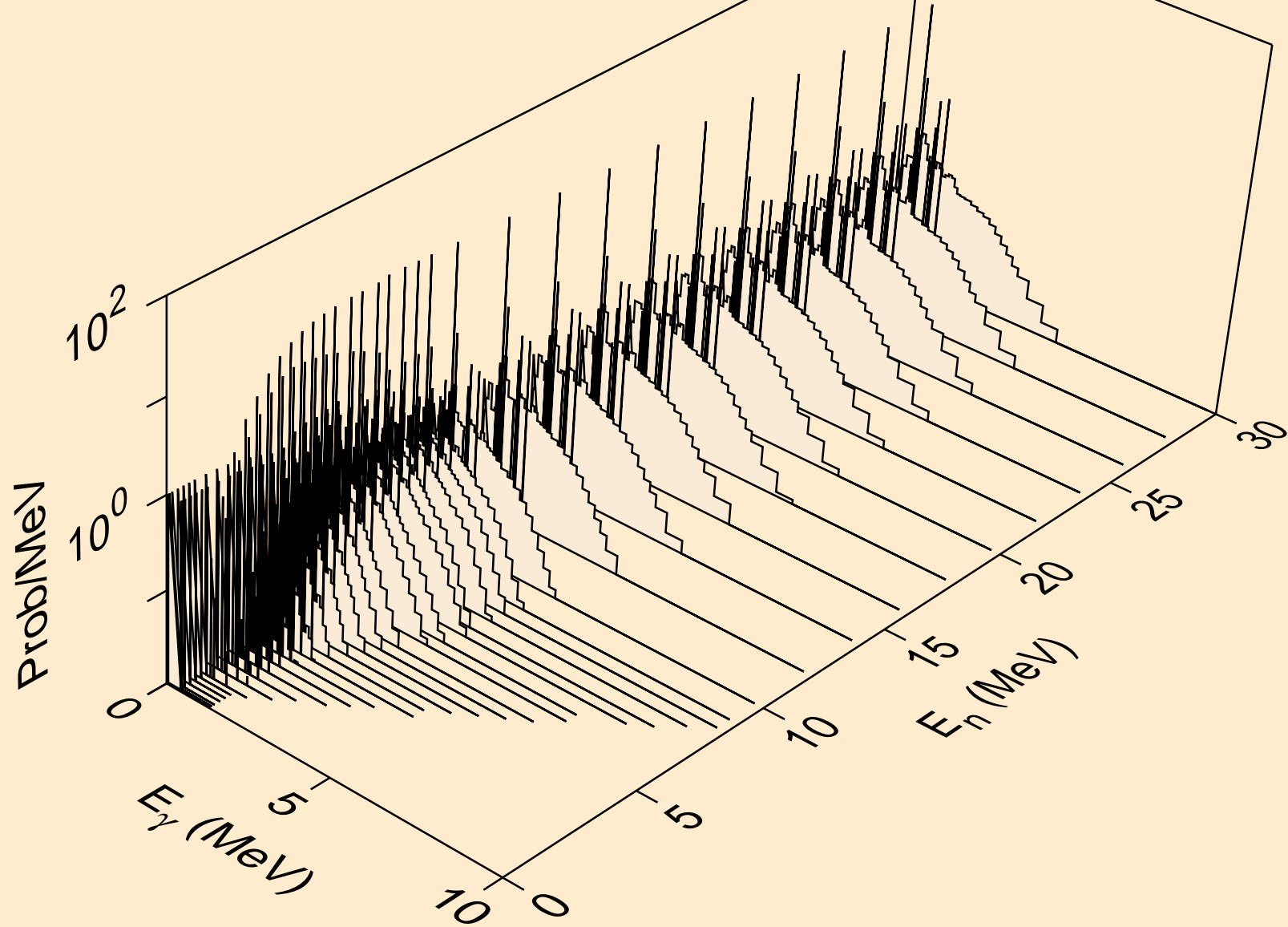


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

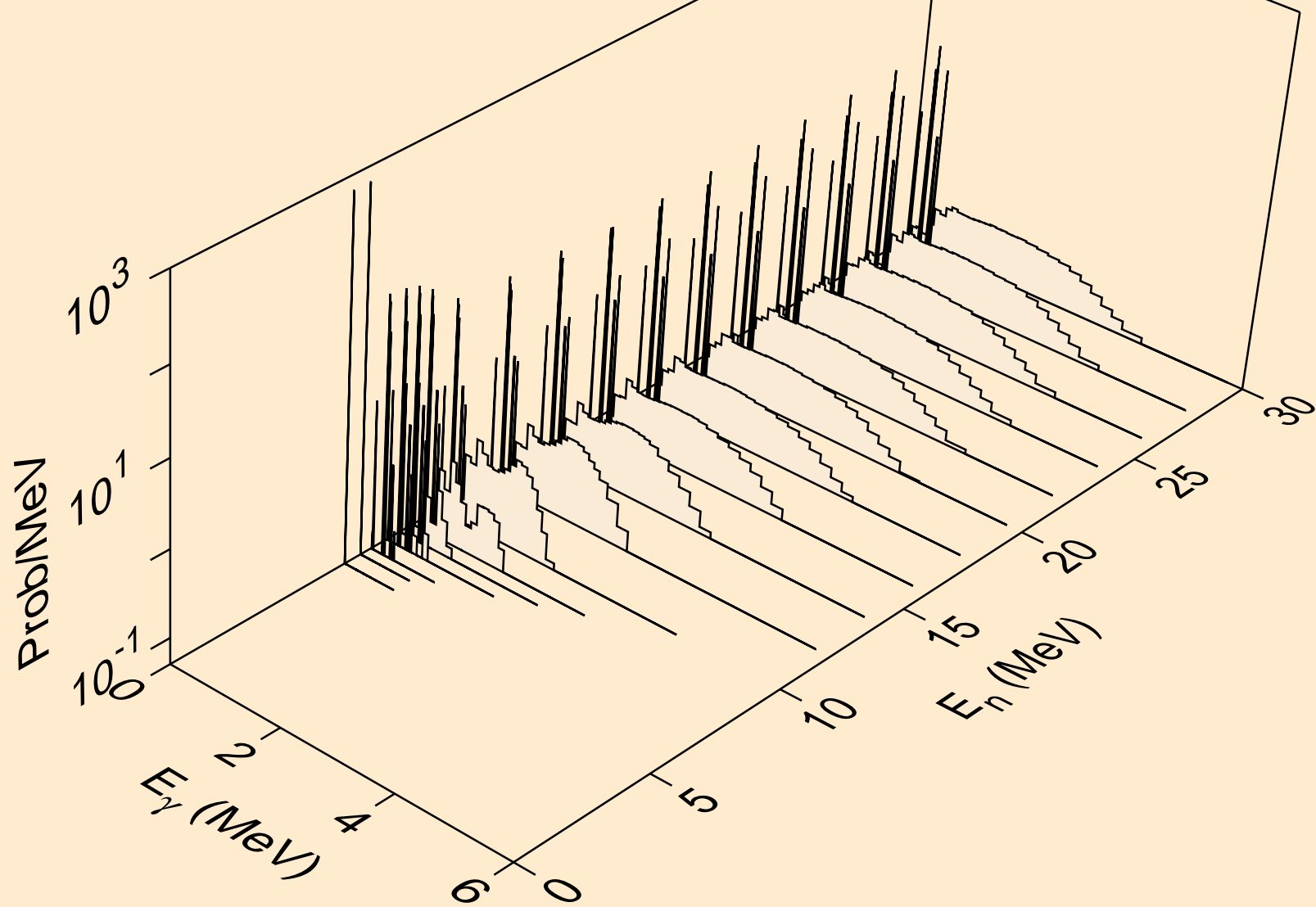




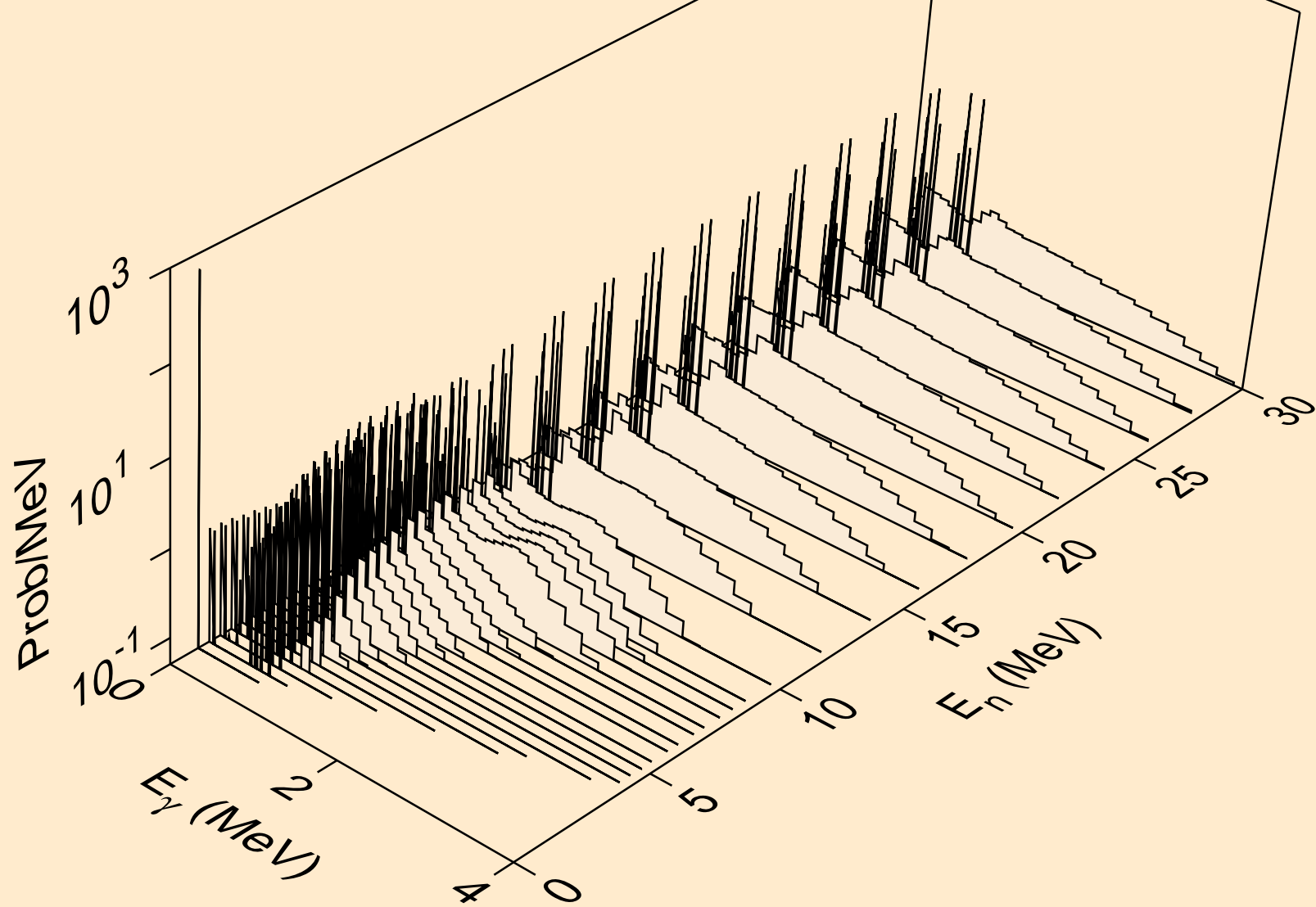
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



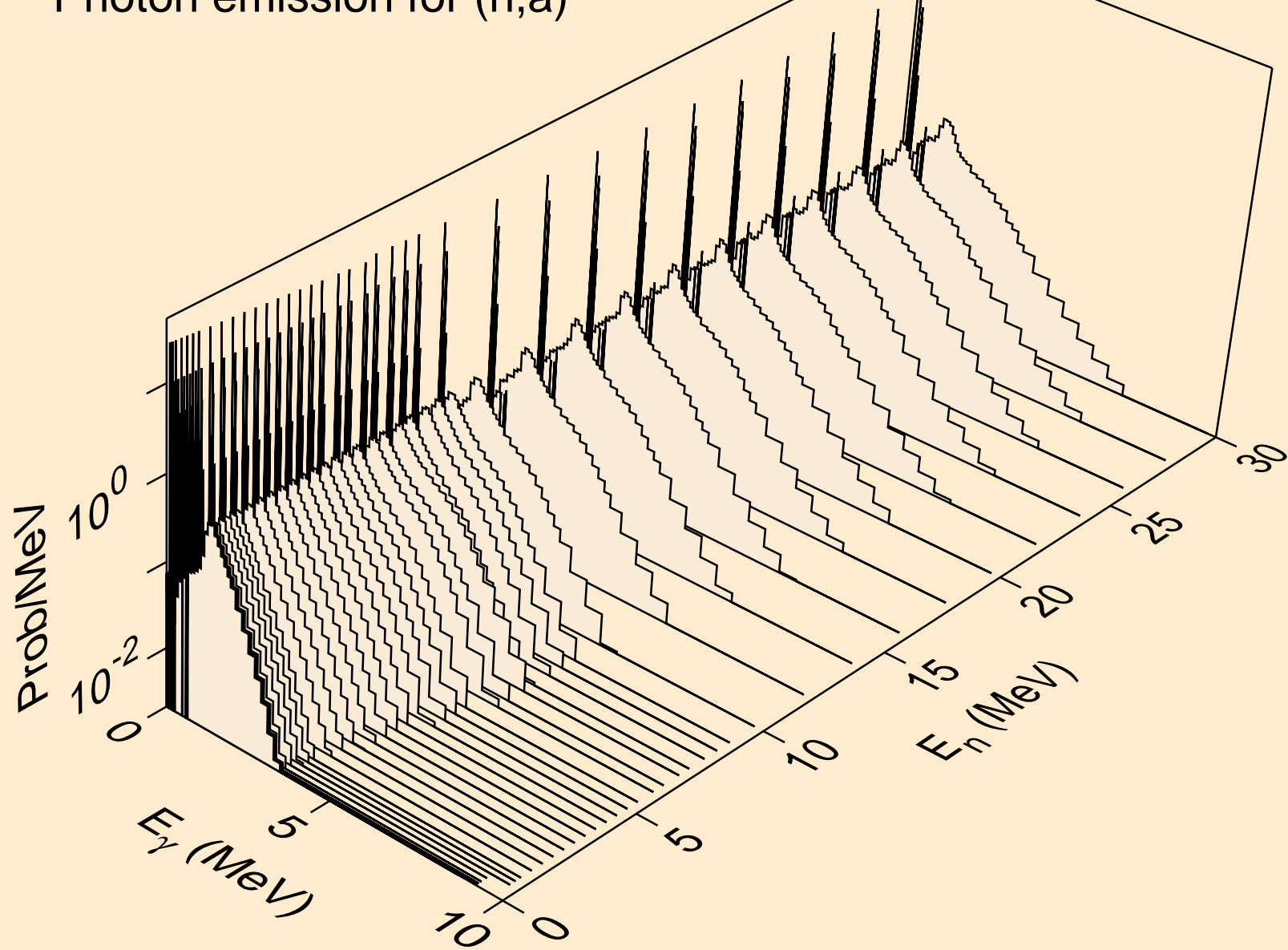
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



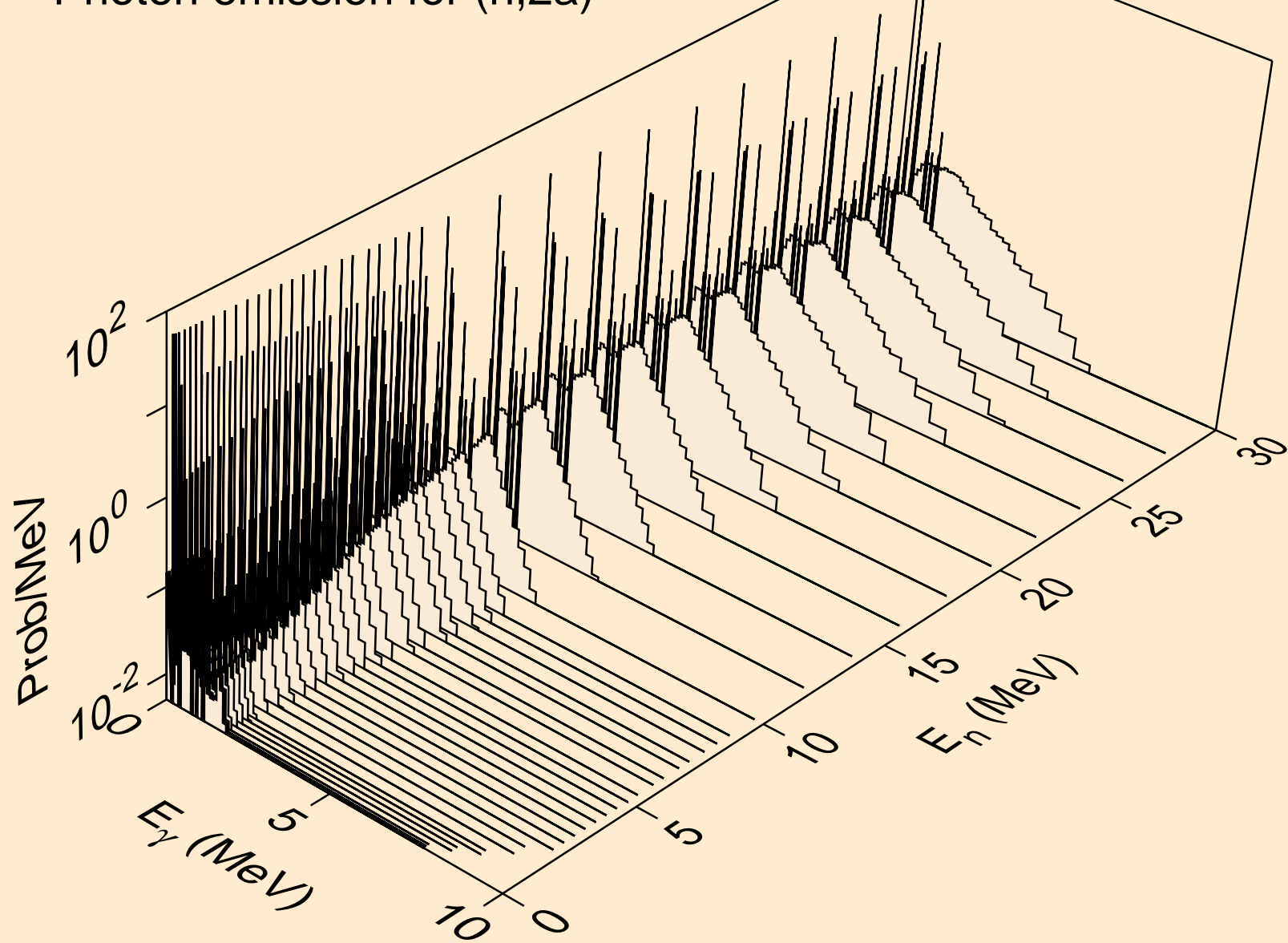
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Photon emission for (n,he3)



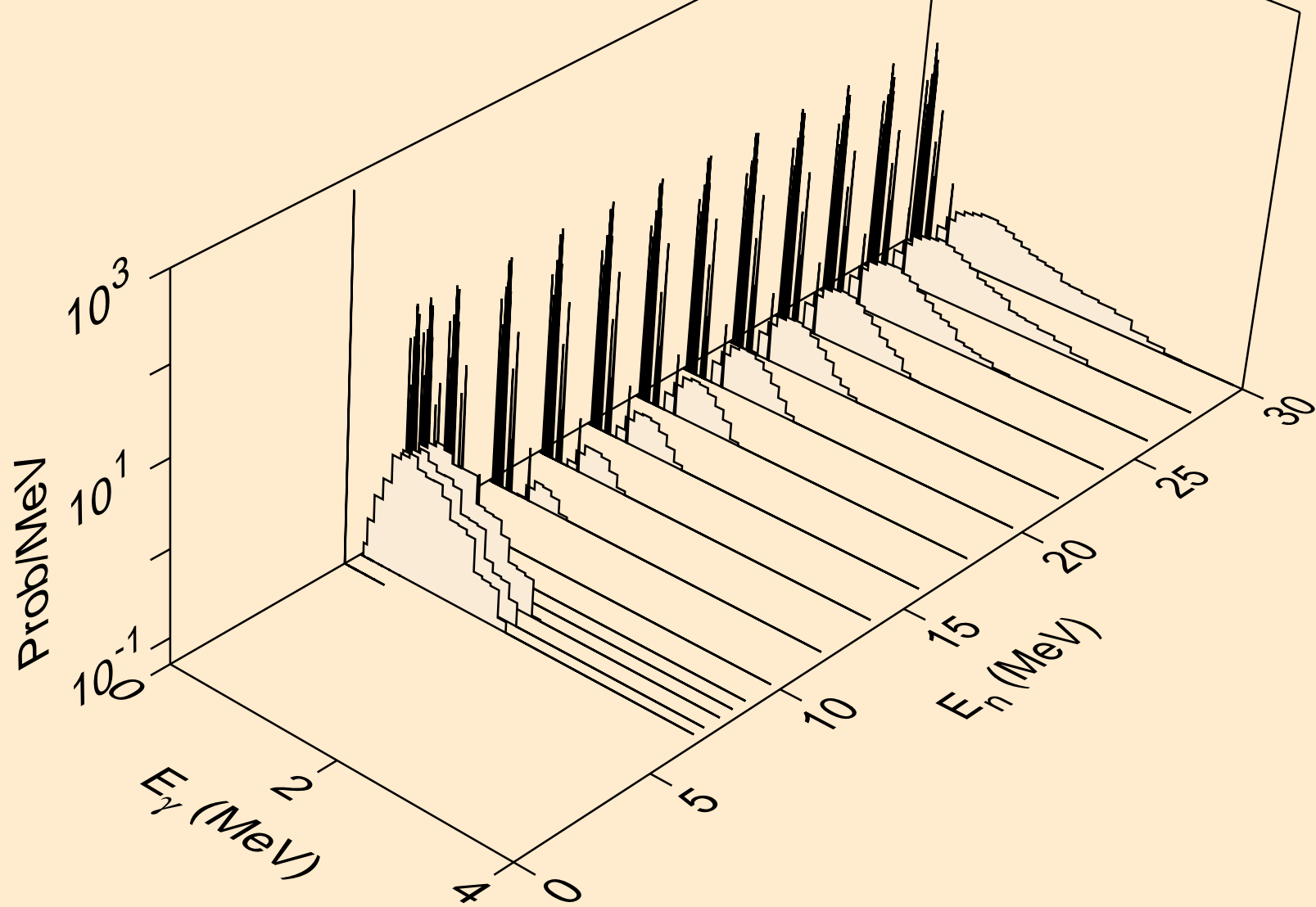
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



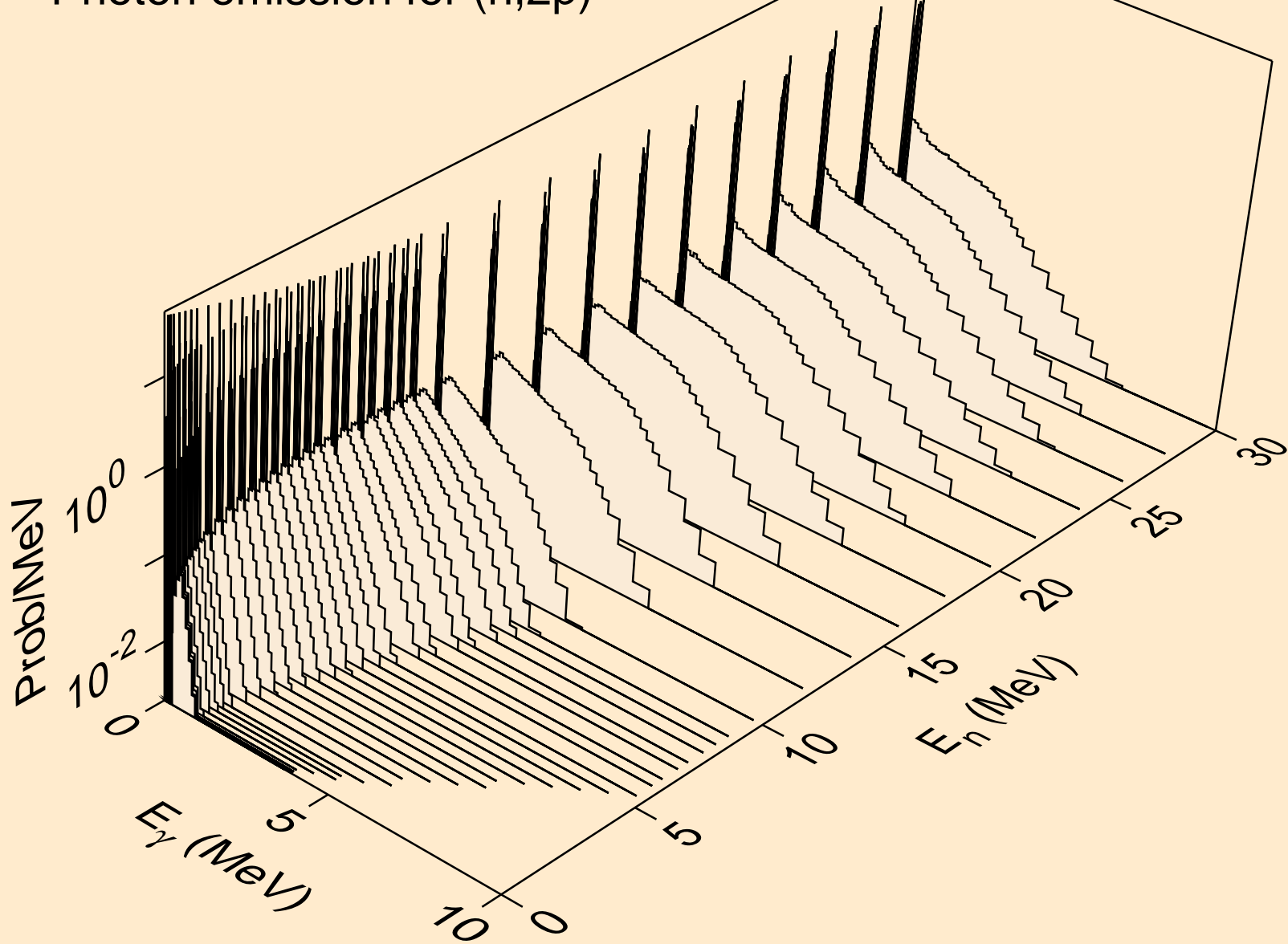
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



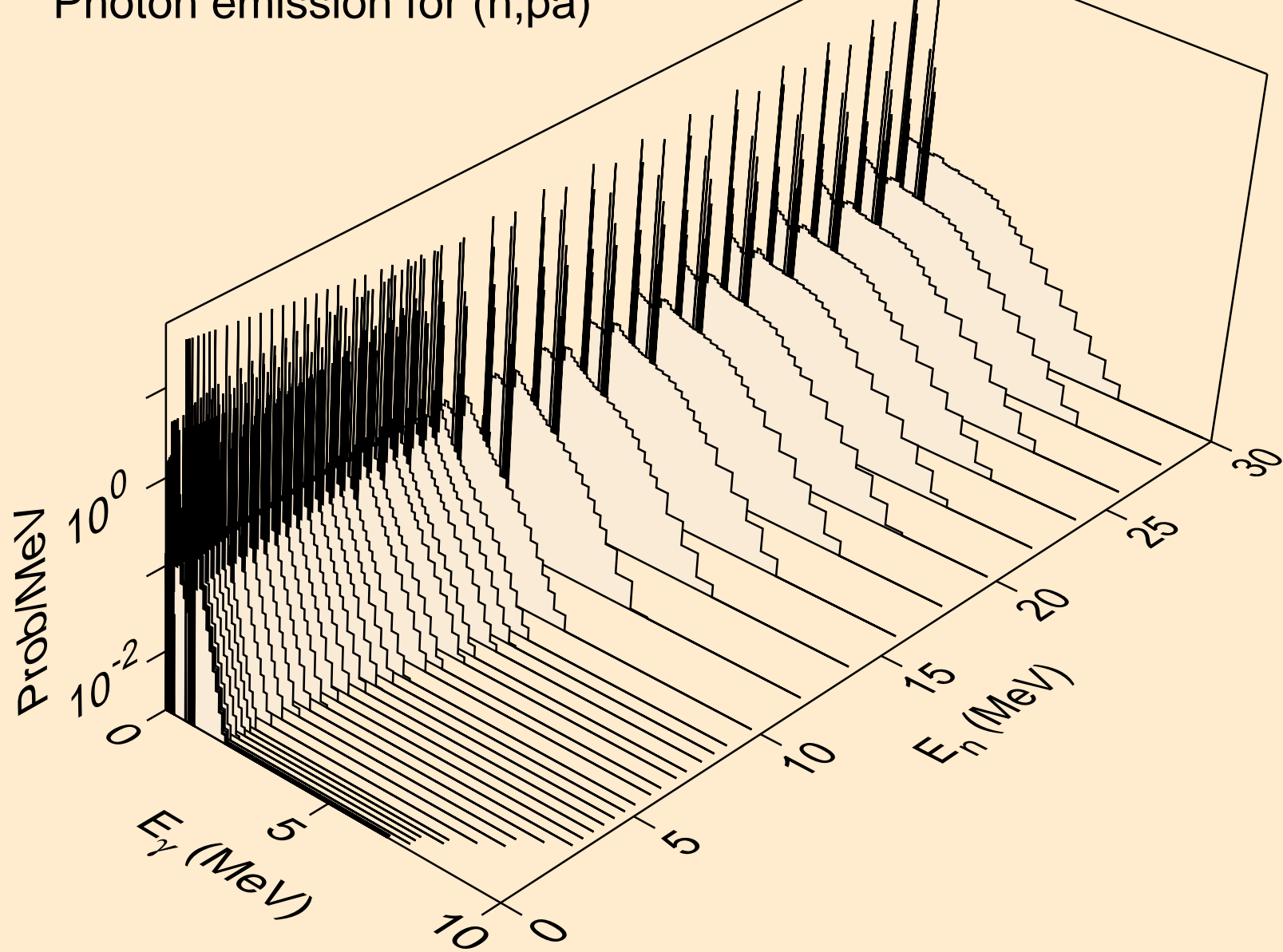
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

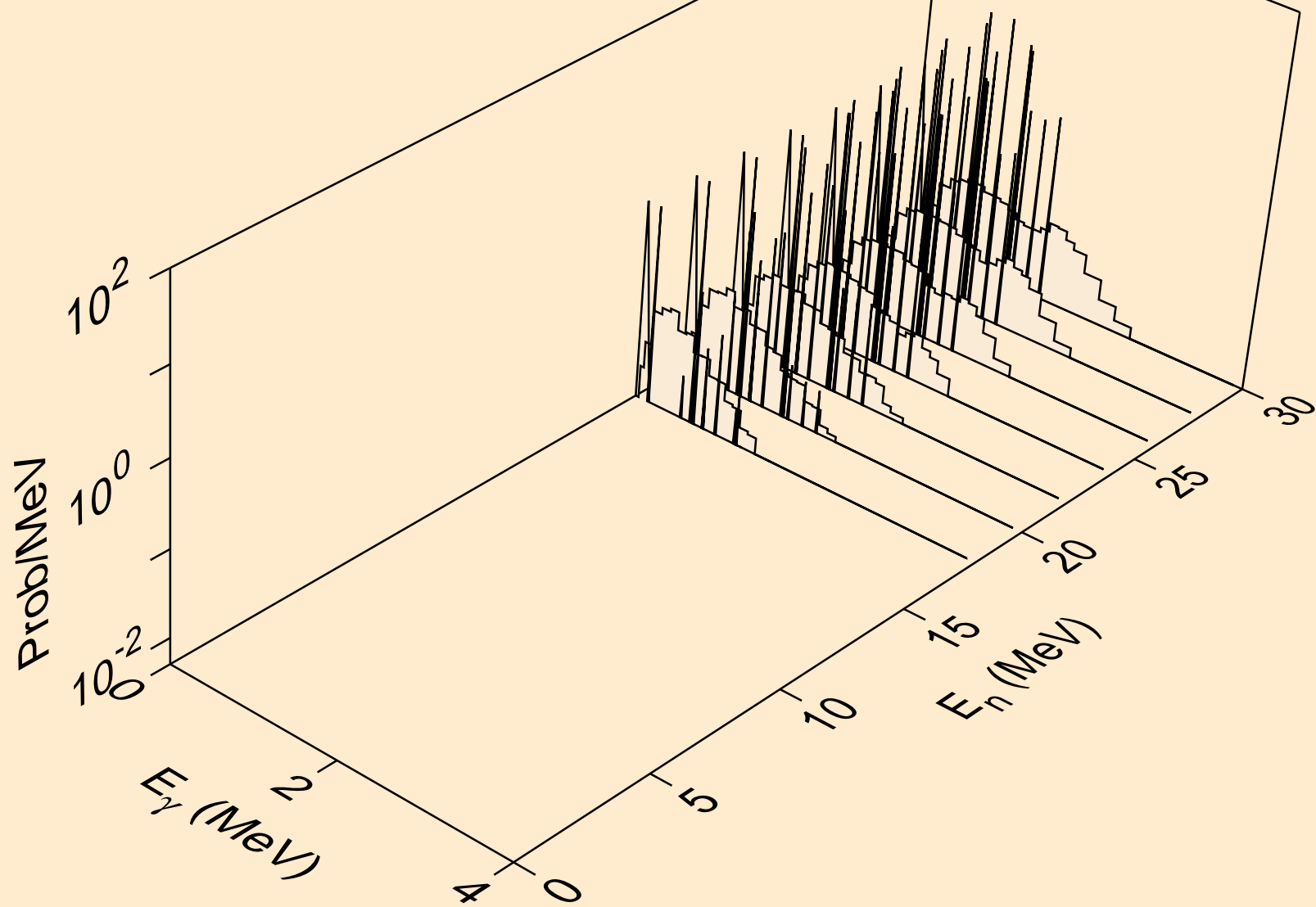


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

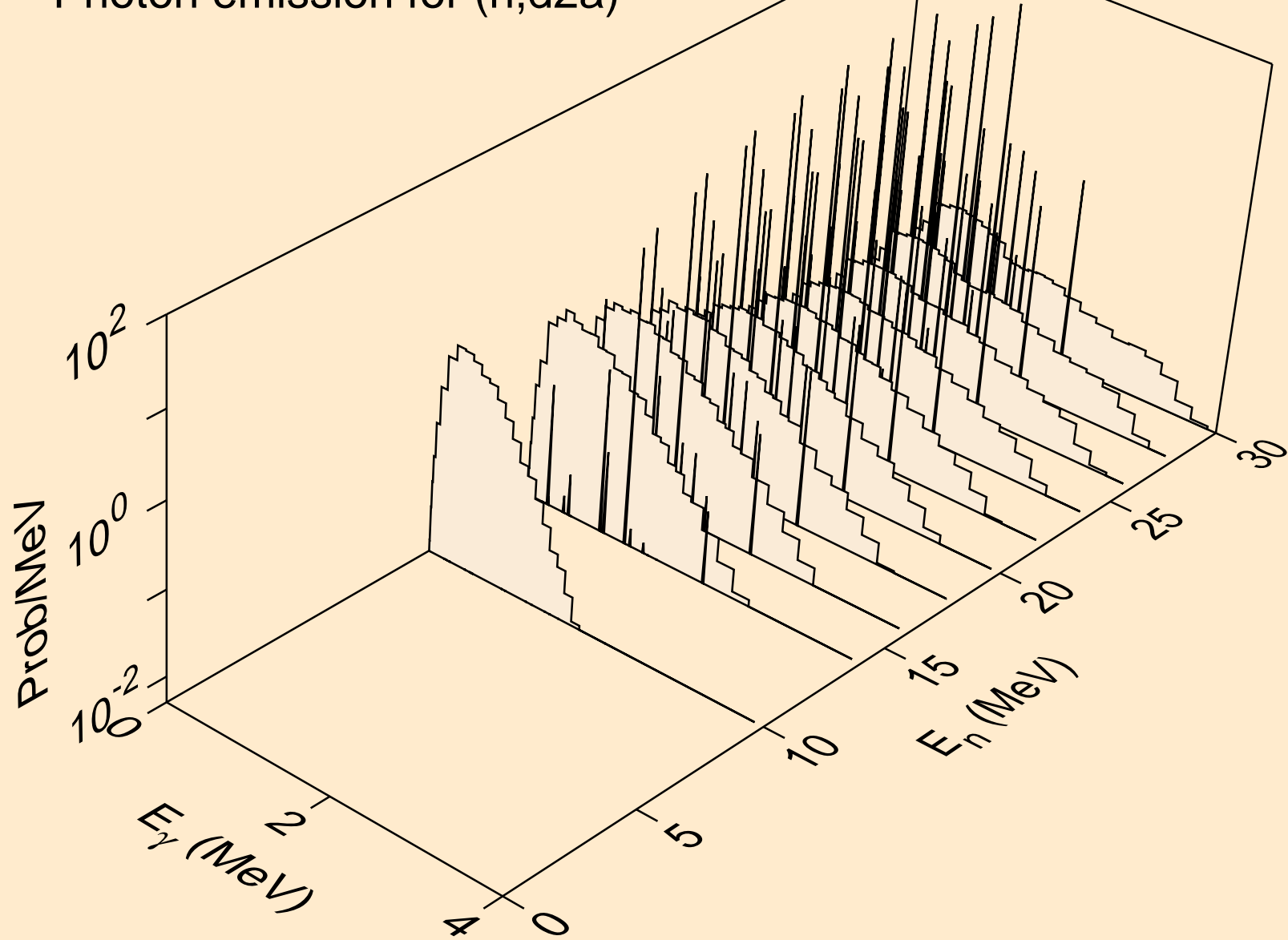




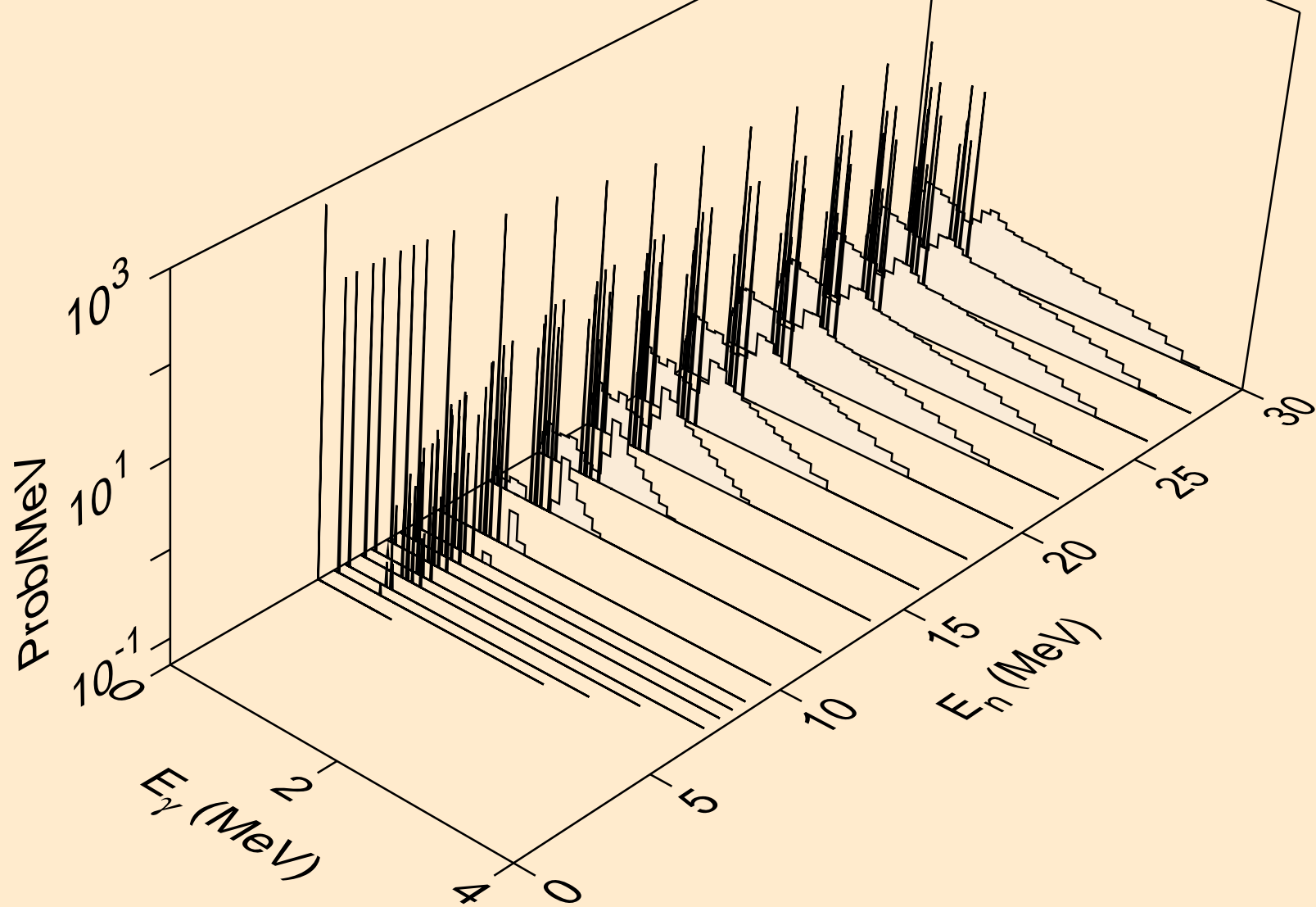
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)



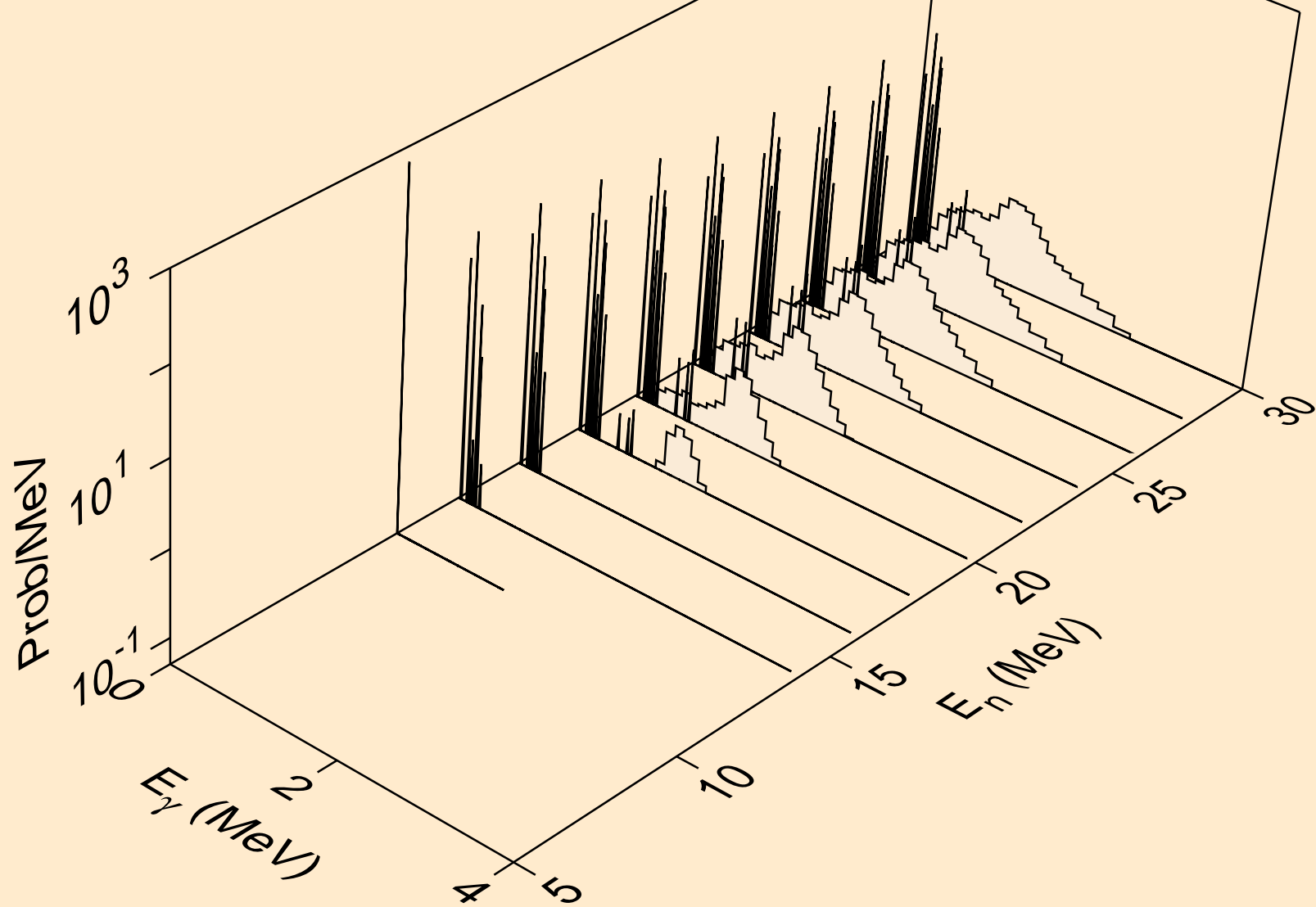
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



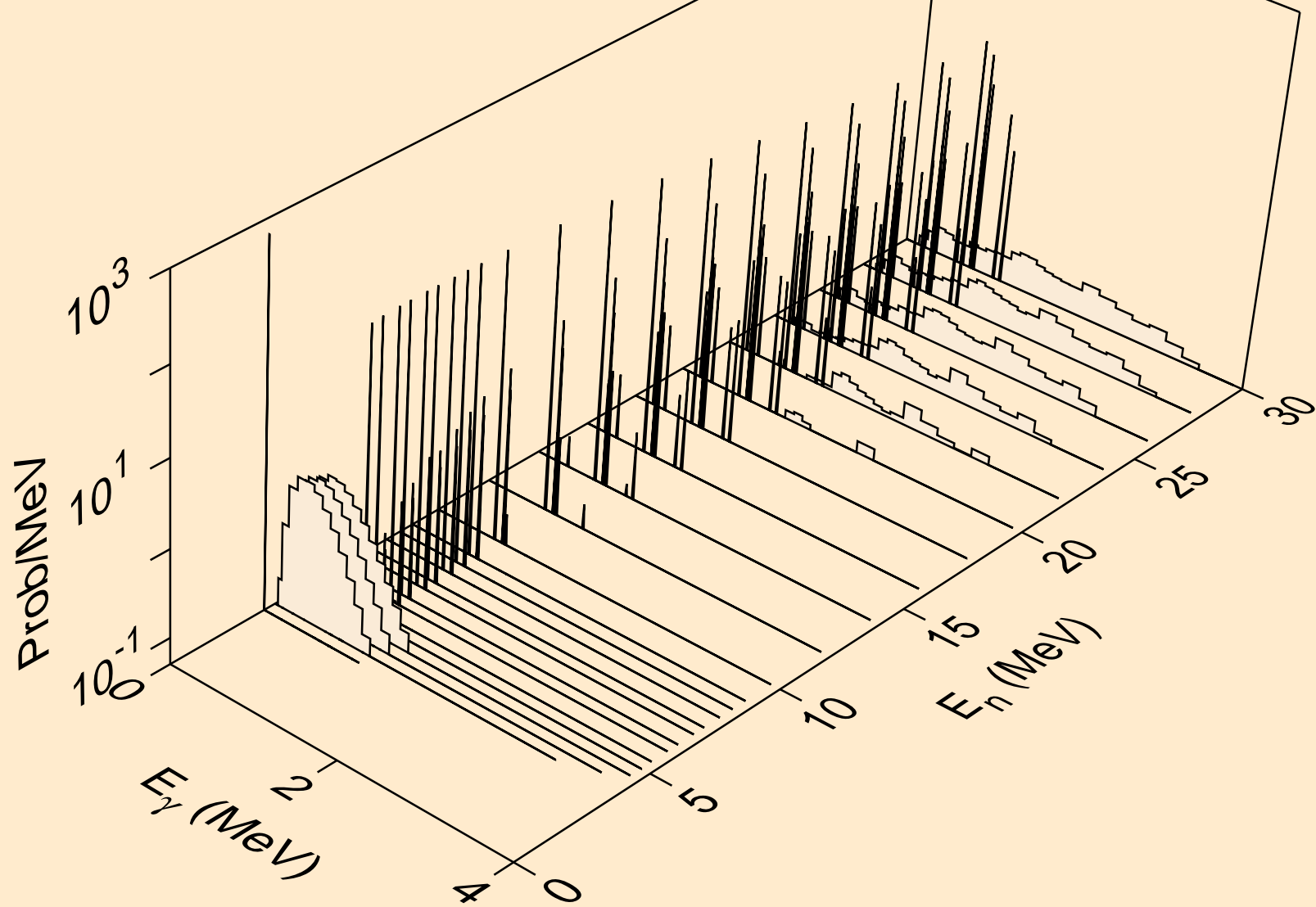
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



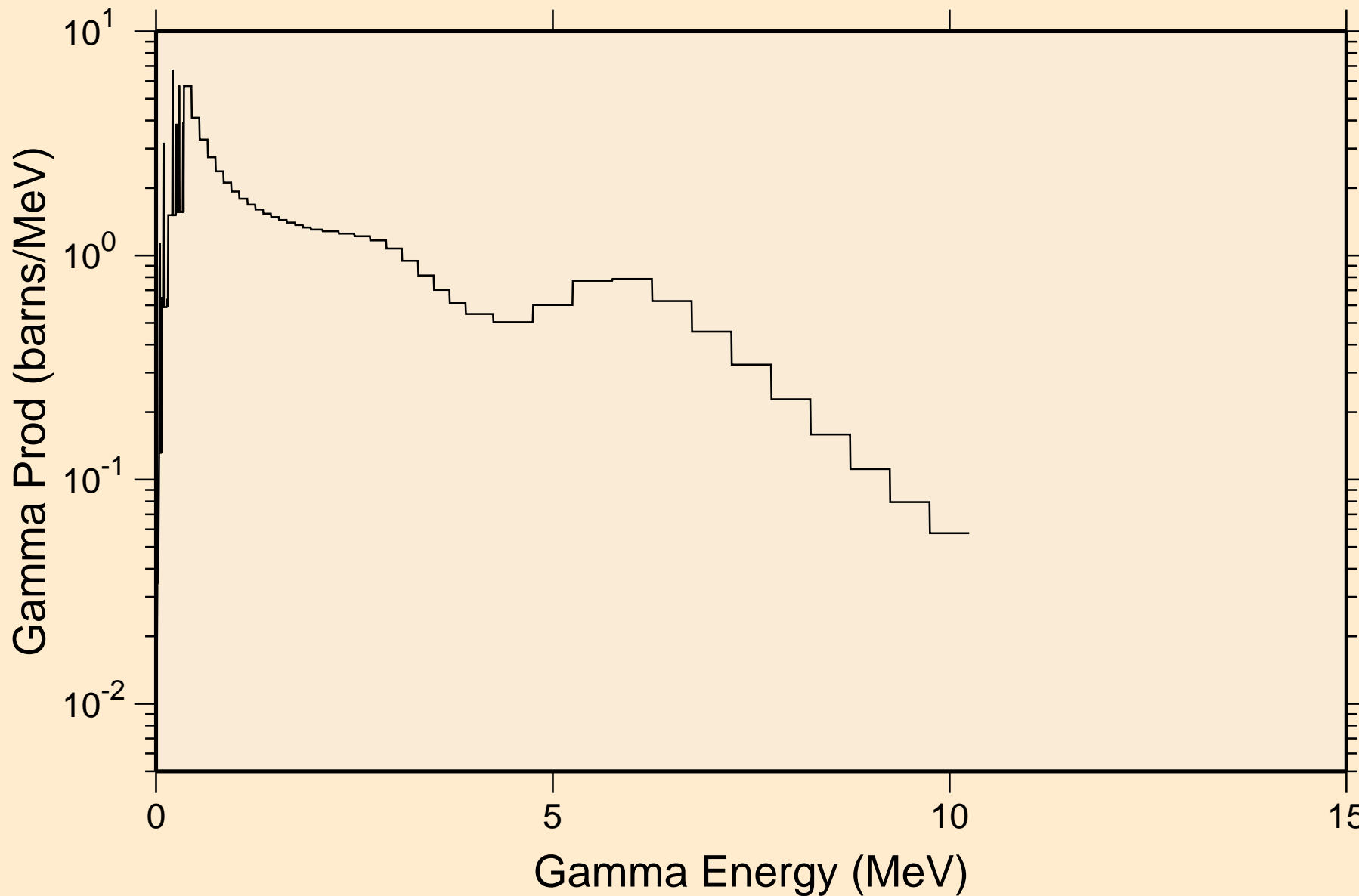
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



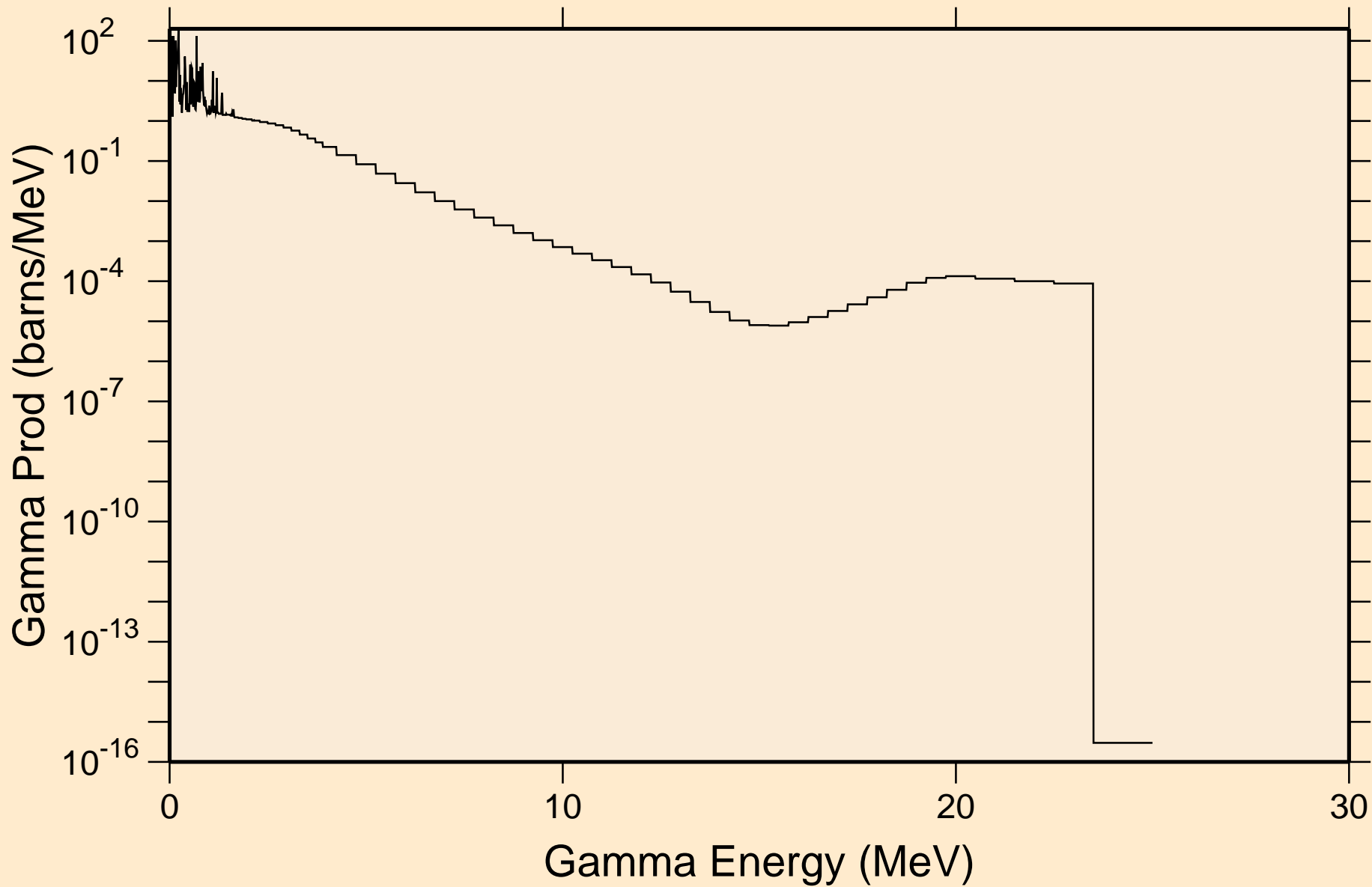
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

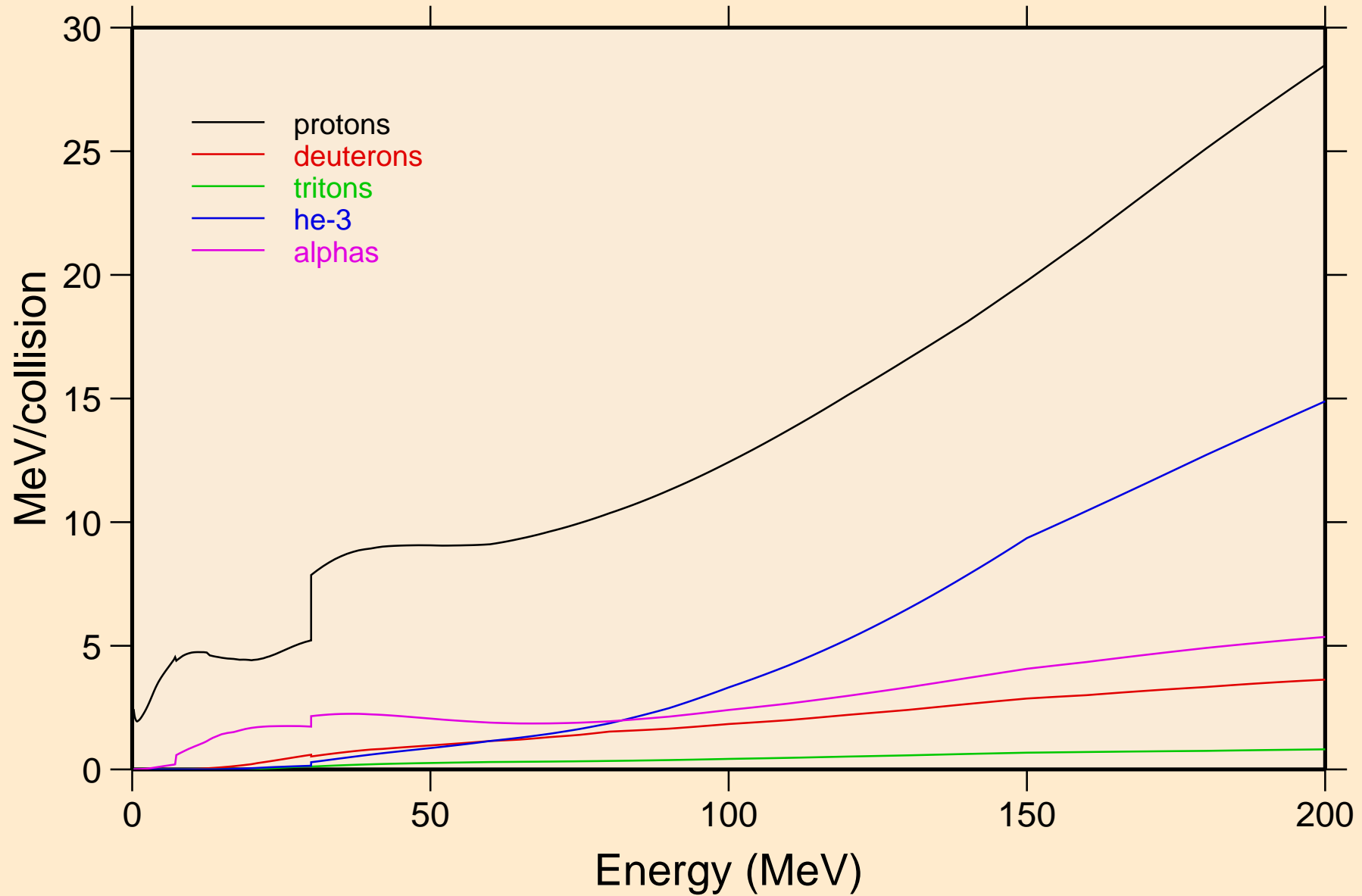


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

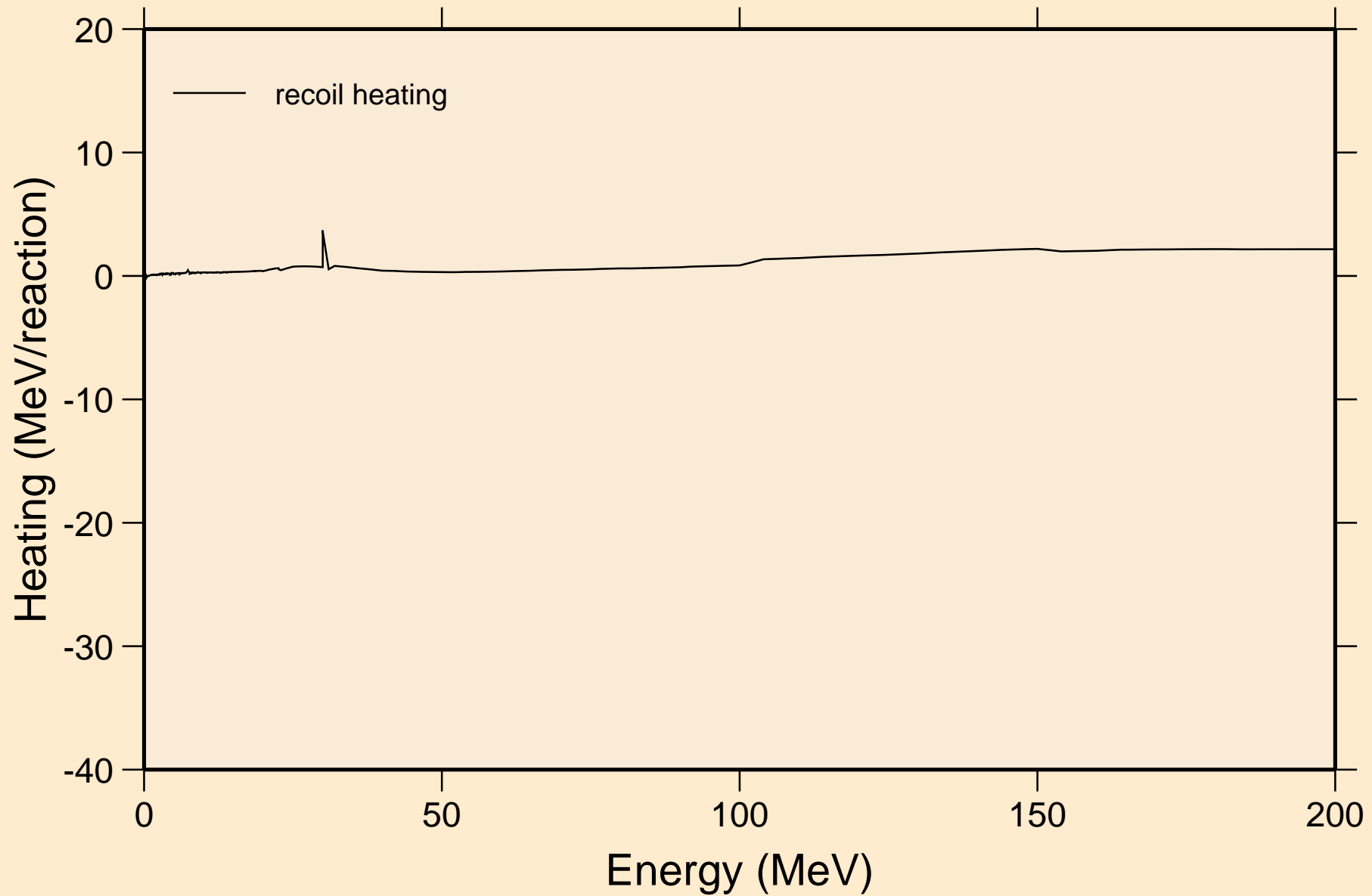
## Particle heating contributions





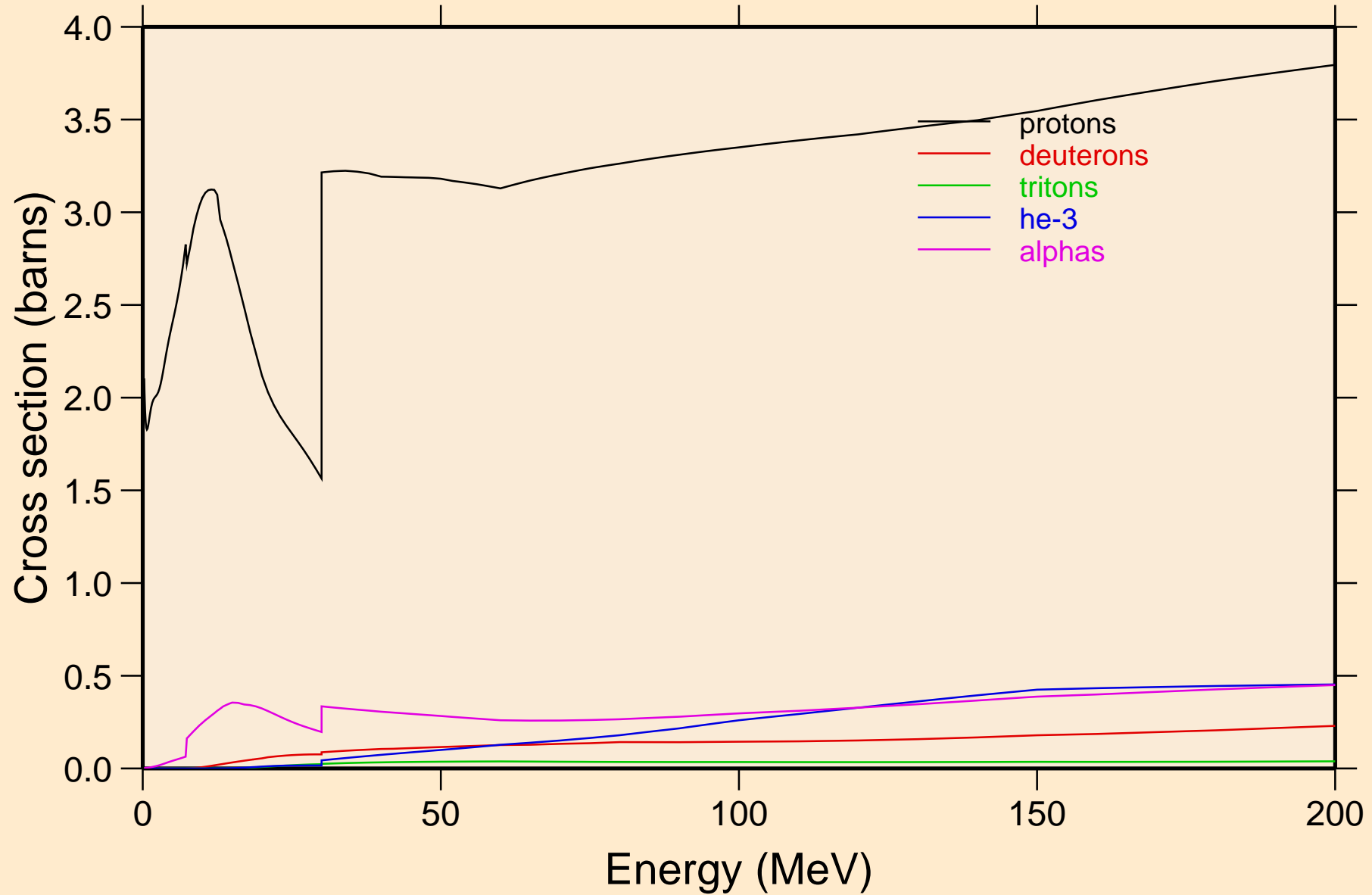
# CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

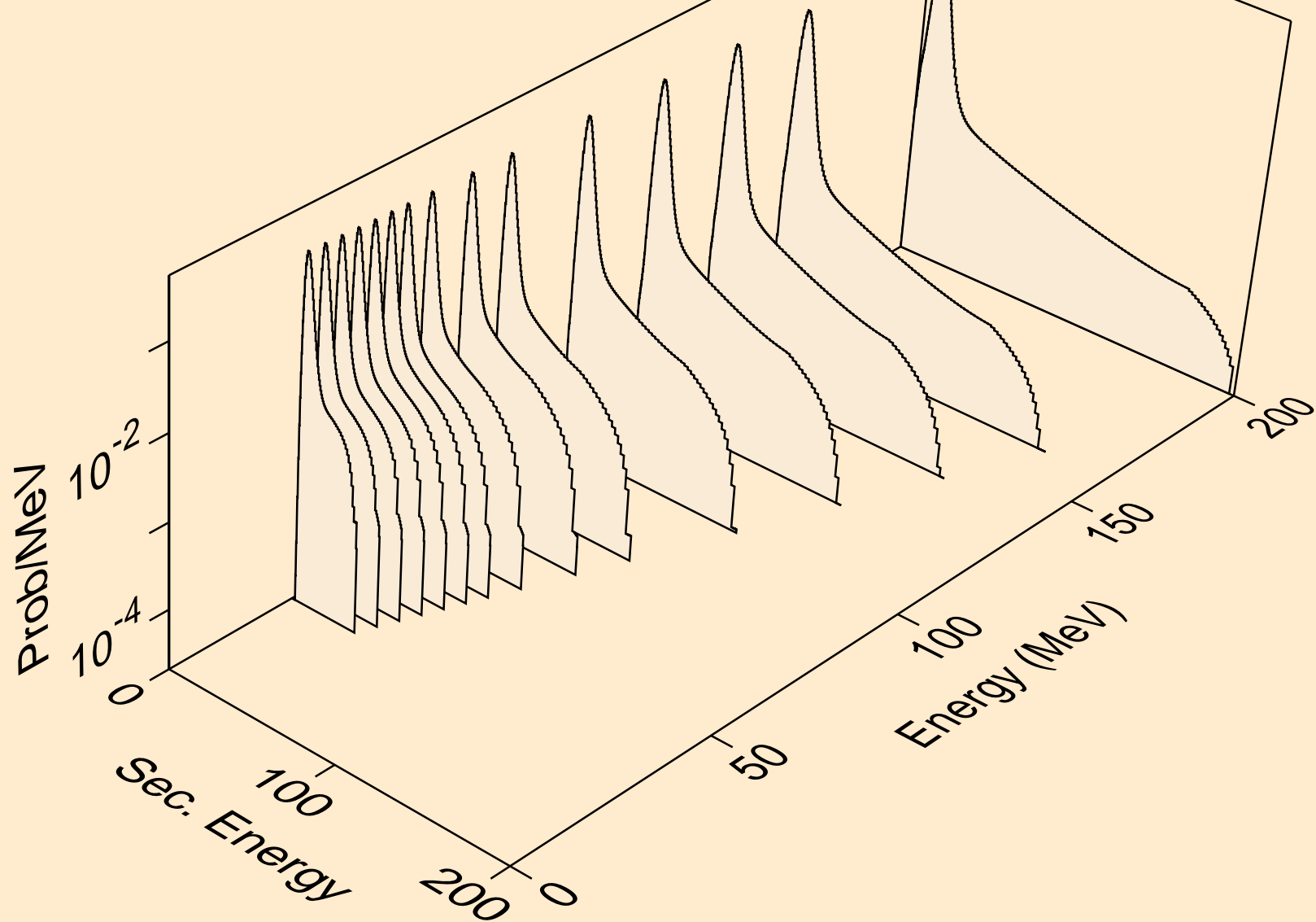


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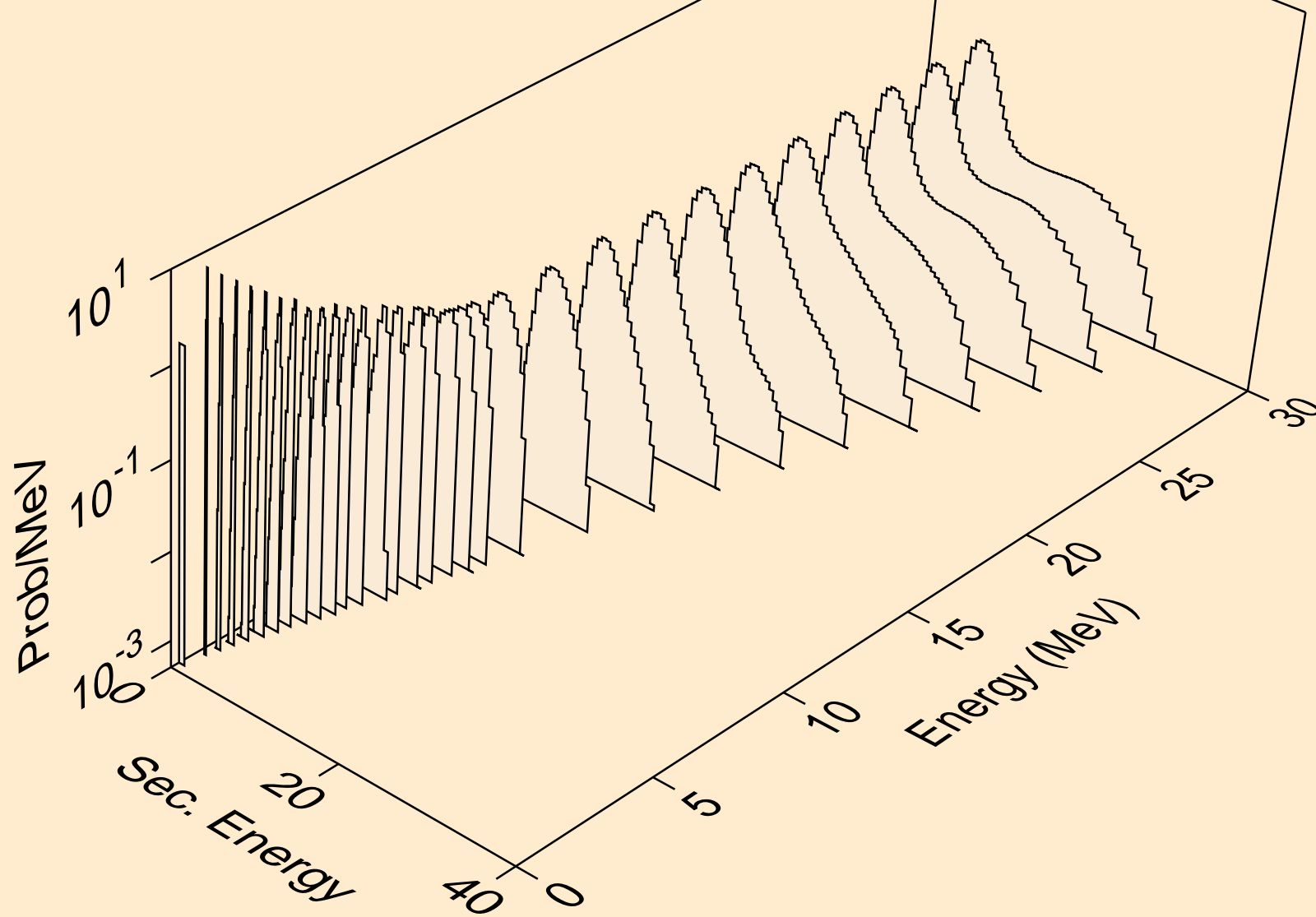
## Particle production cross sections



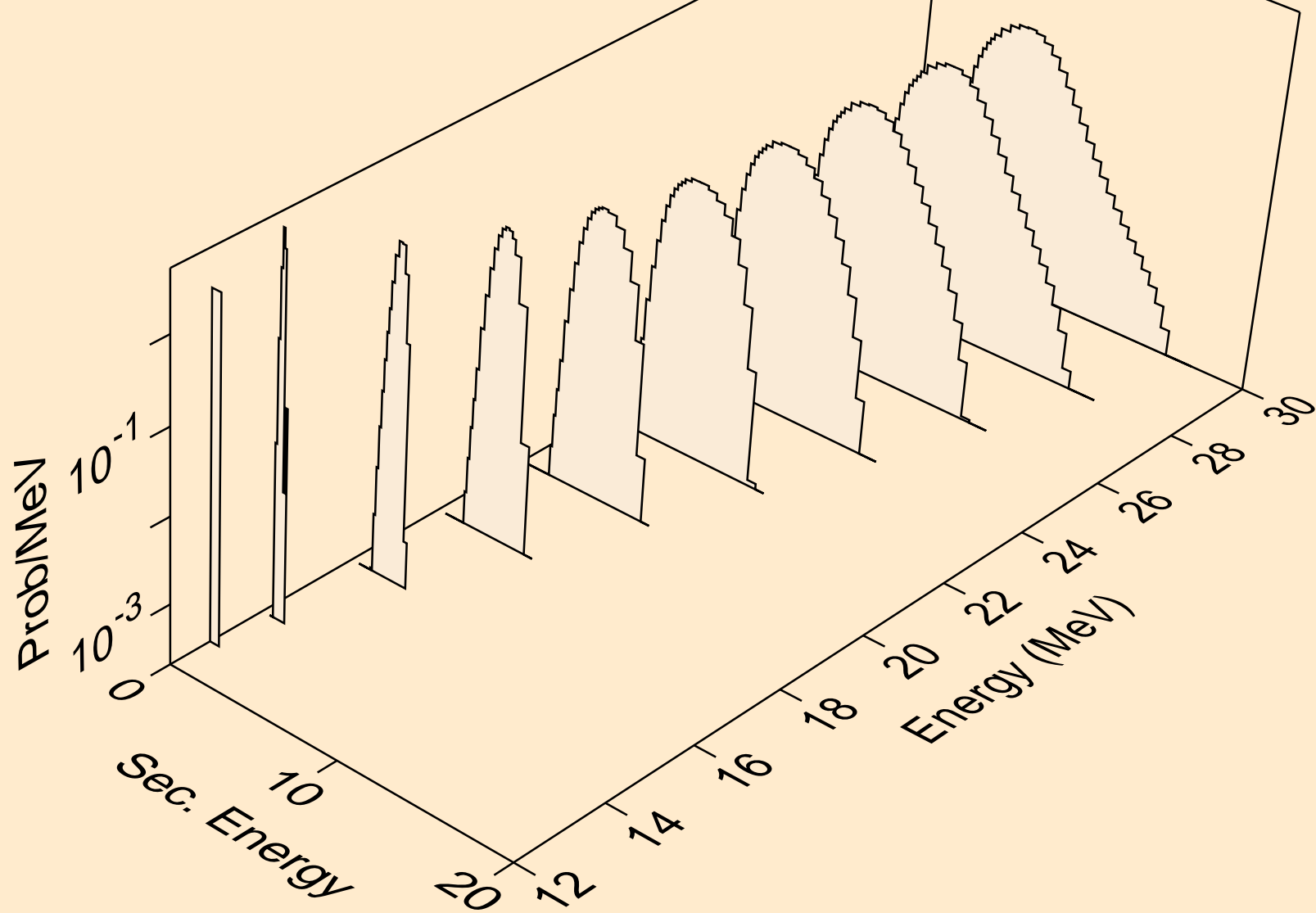
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



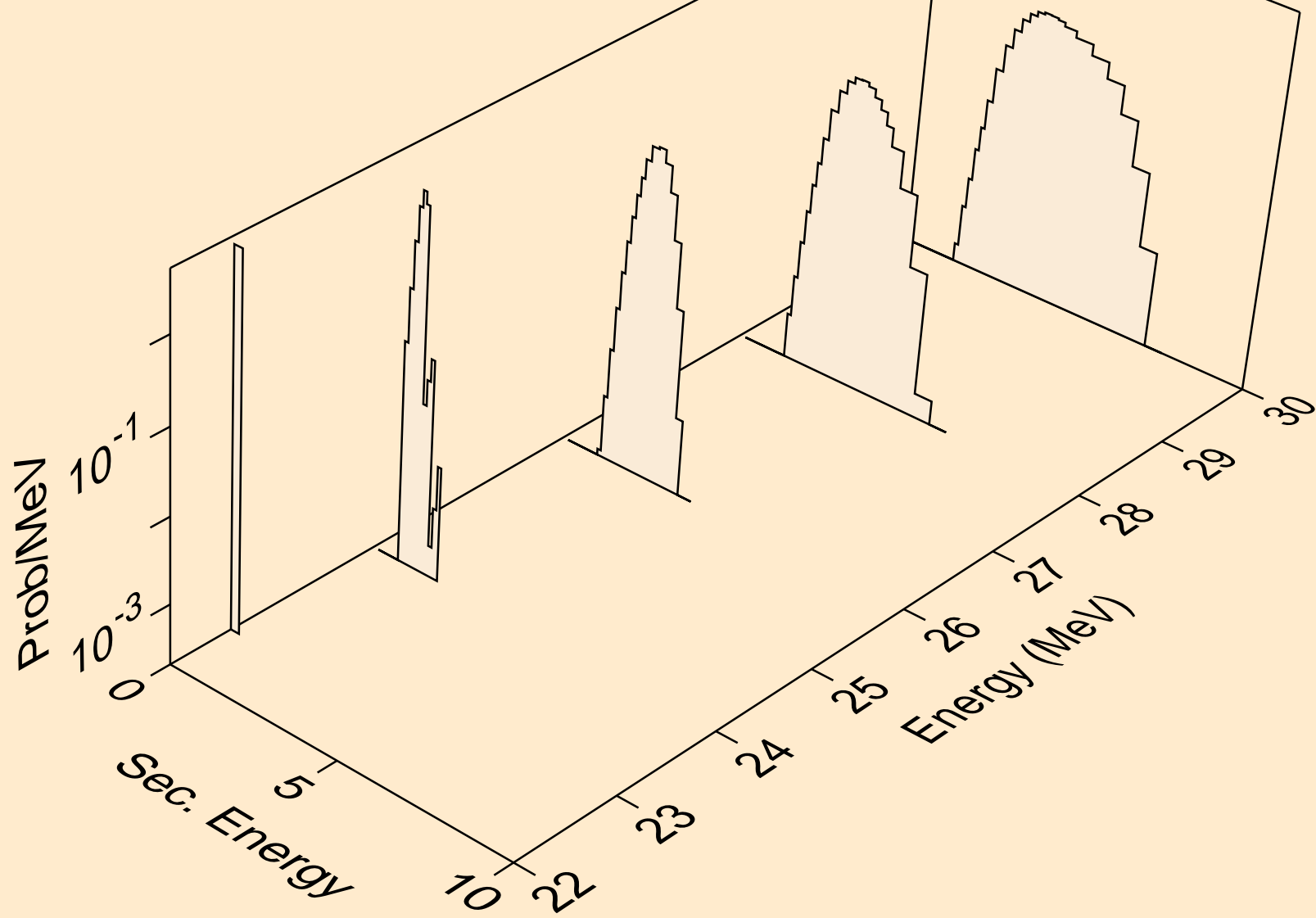
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



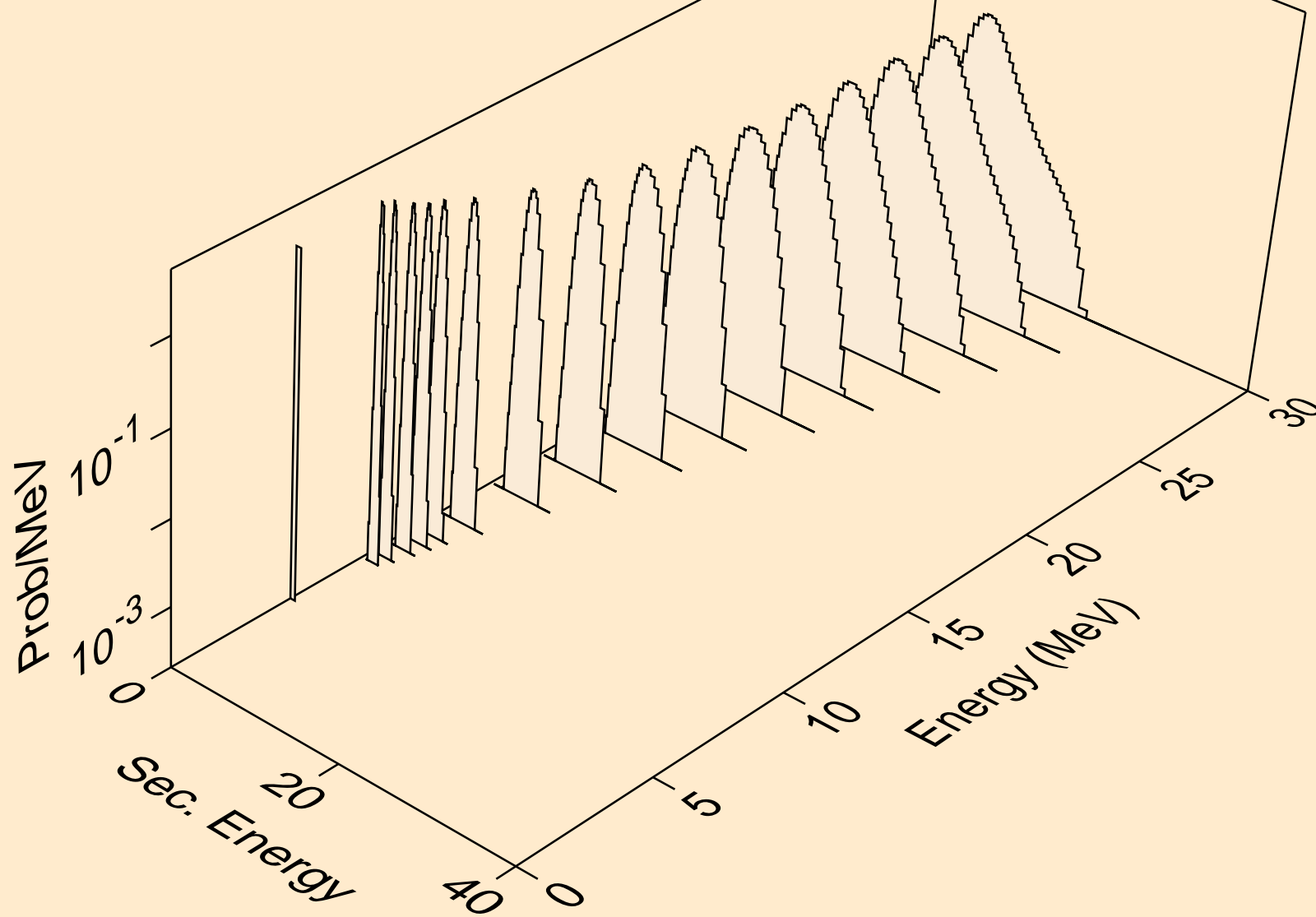
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protons from (n,2np)



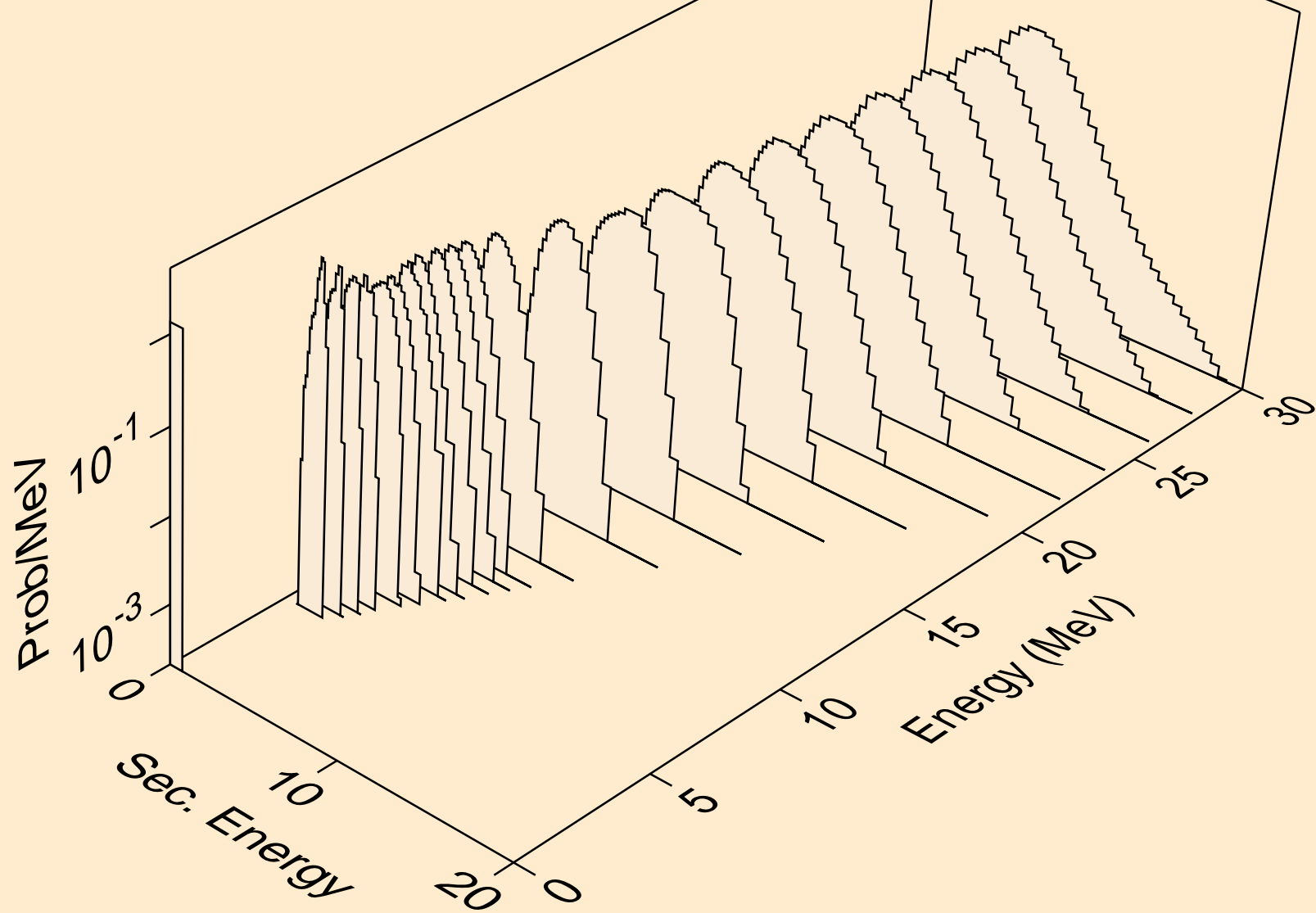
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

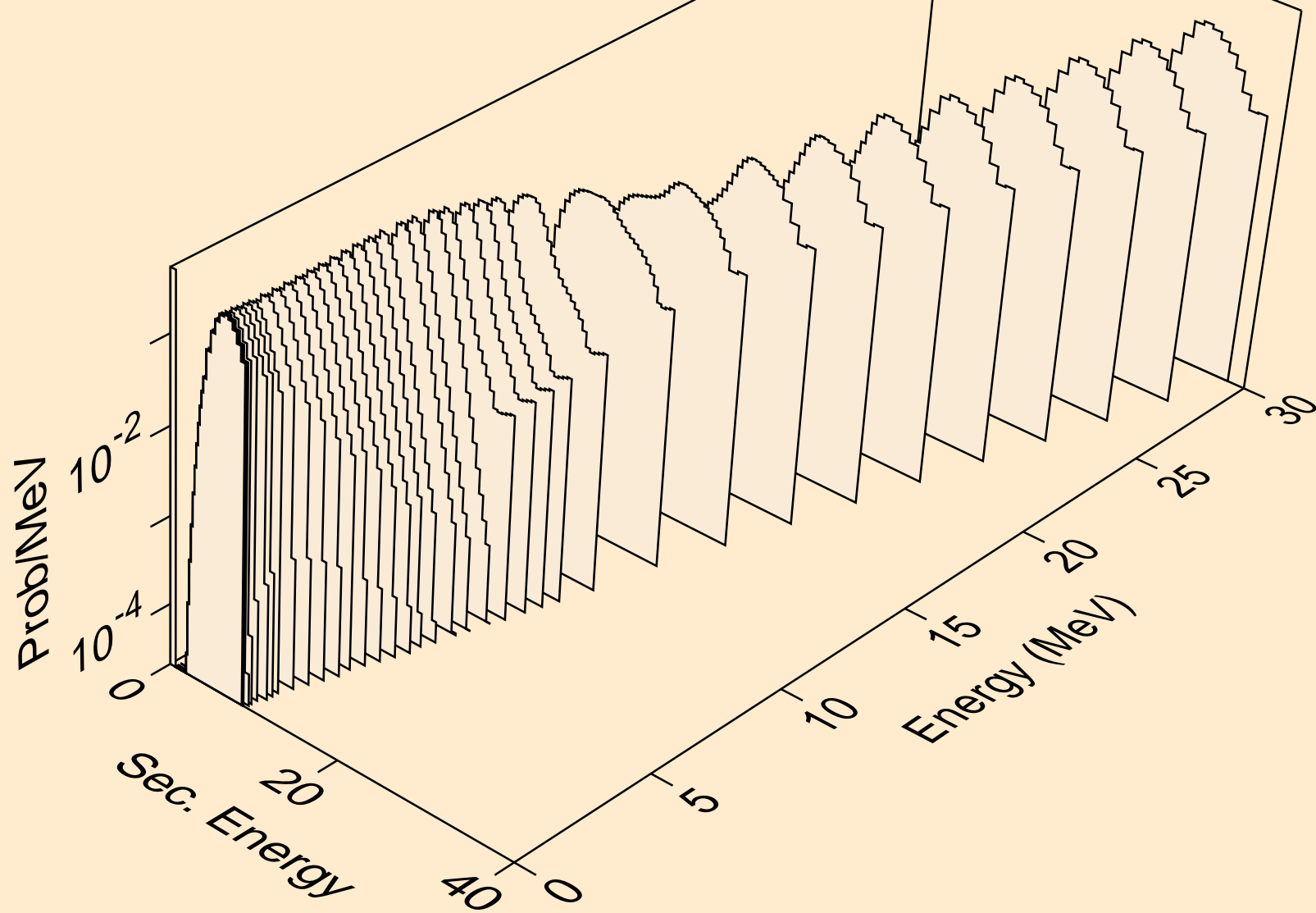


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protons from (n,npa)

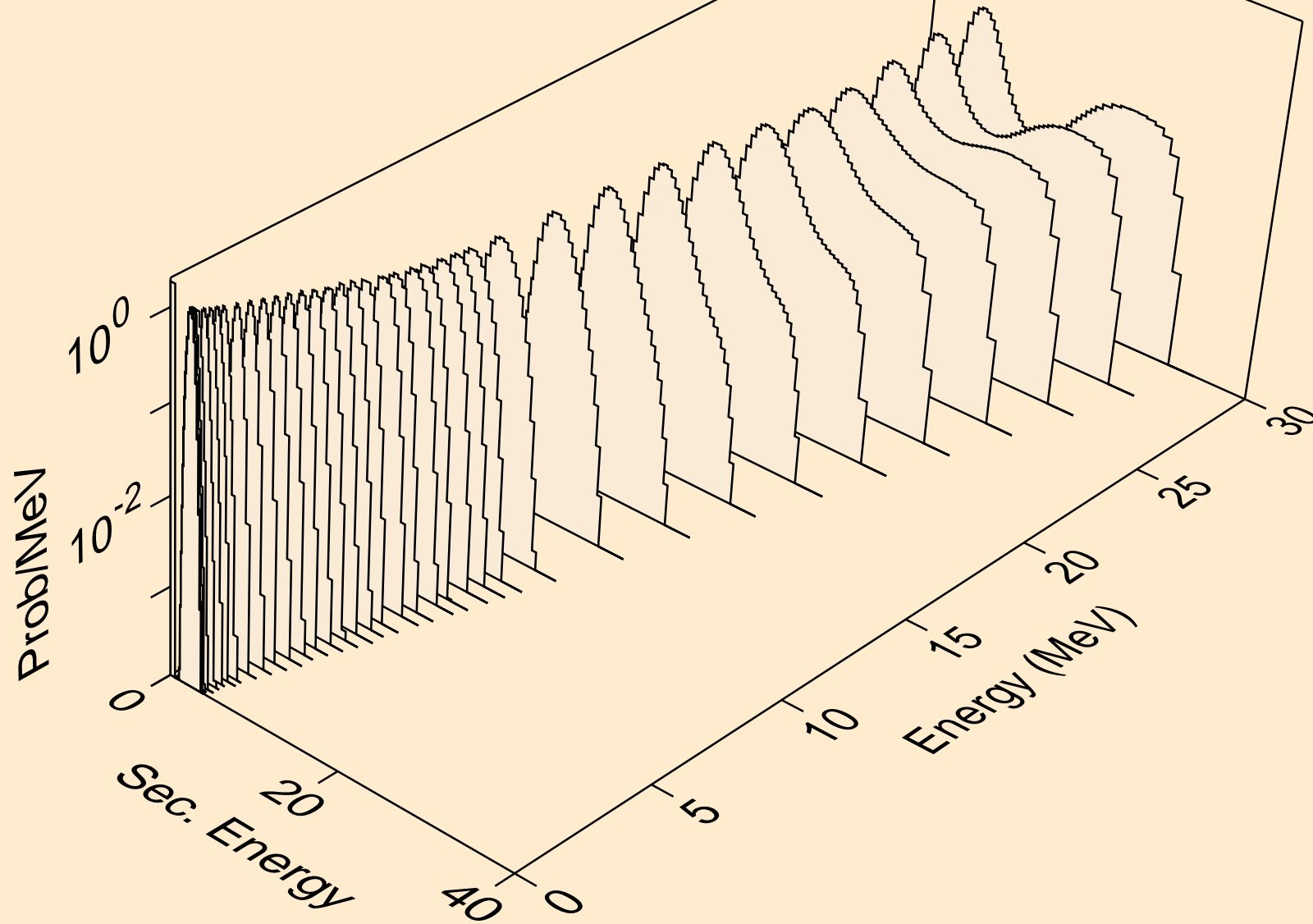




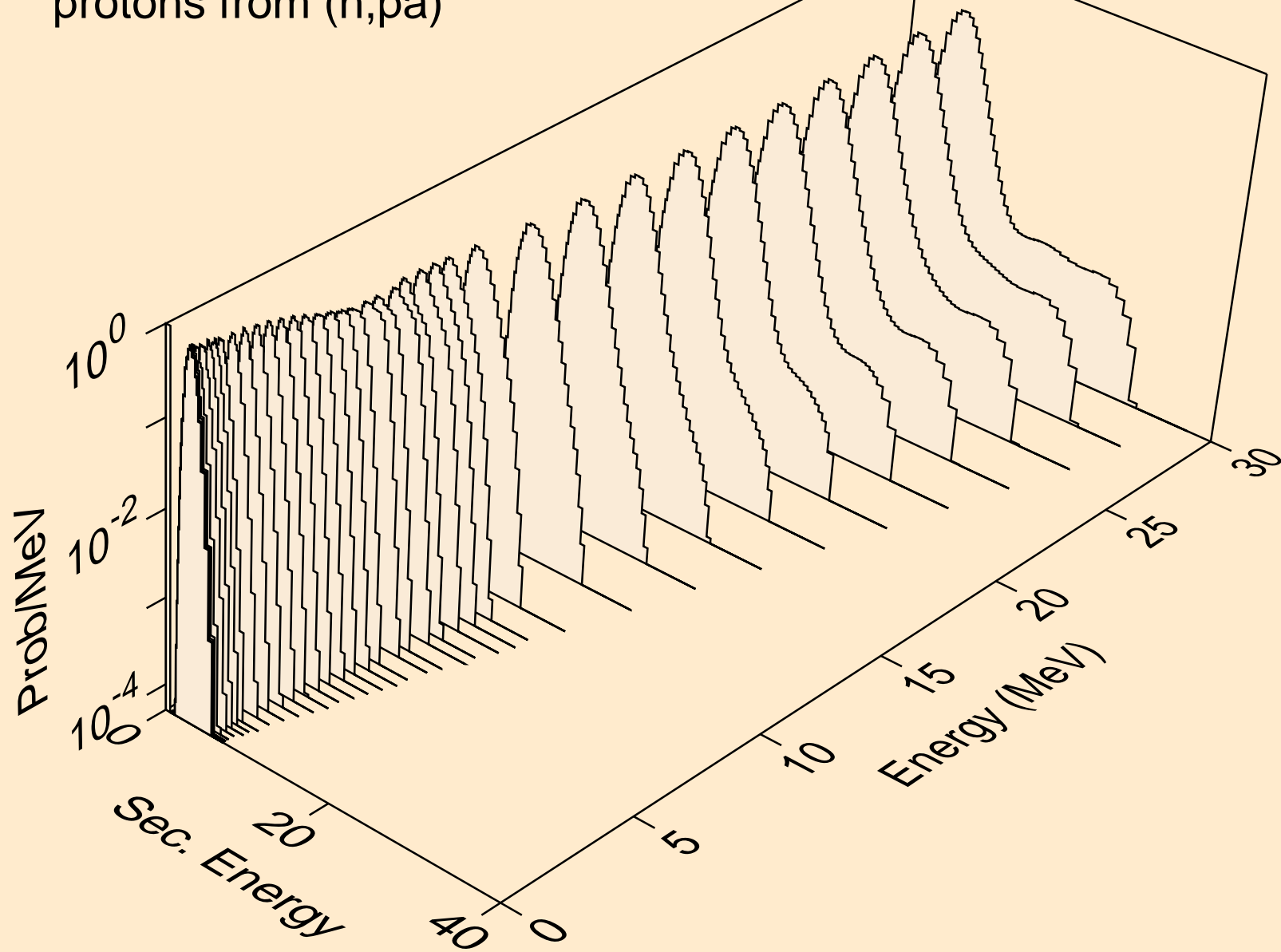
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protons from (n,p)



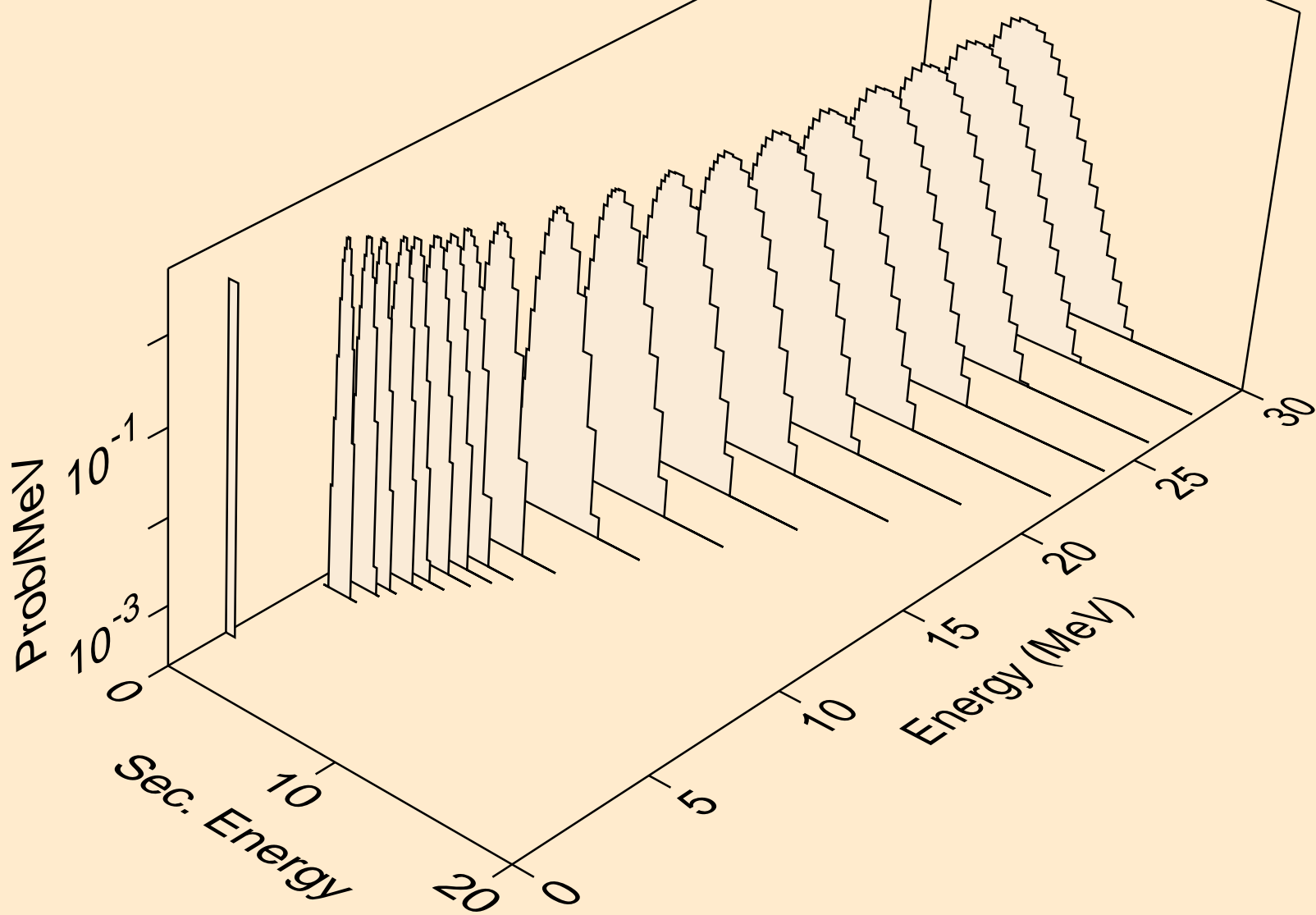
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protons from (n,2p)



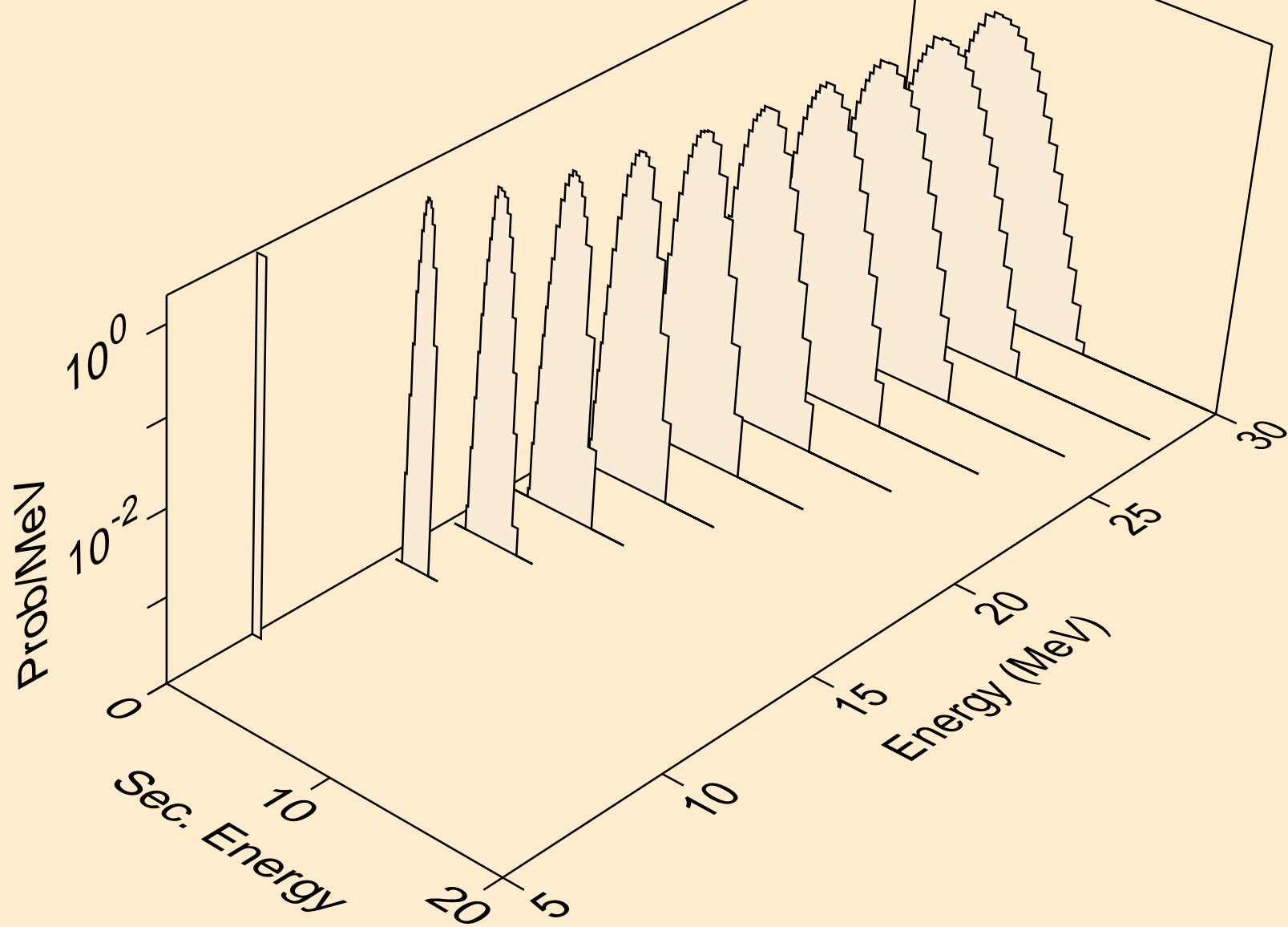
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protons from (n,p)



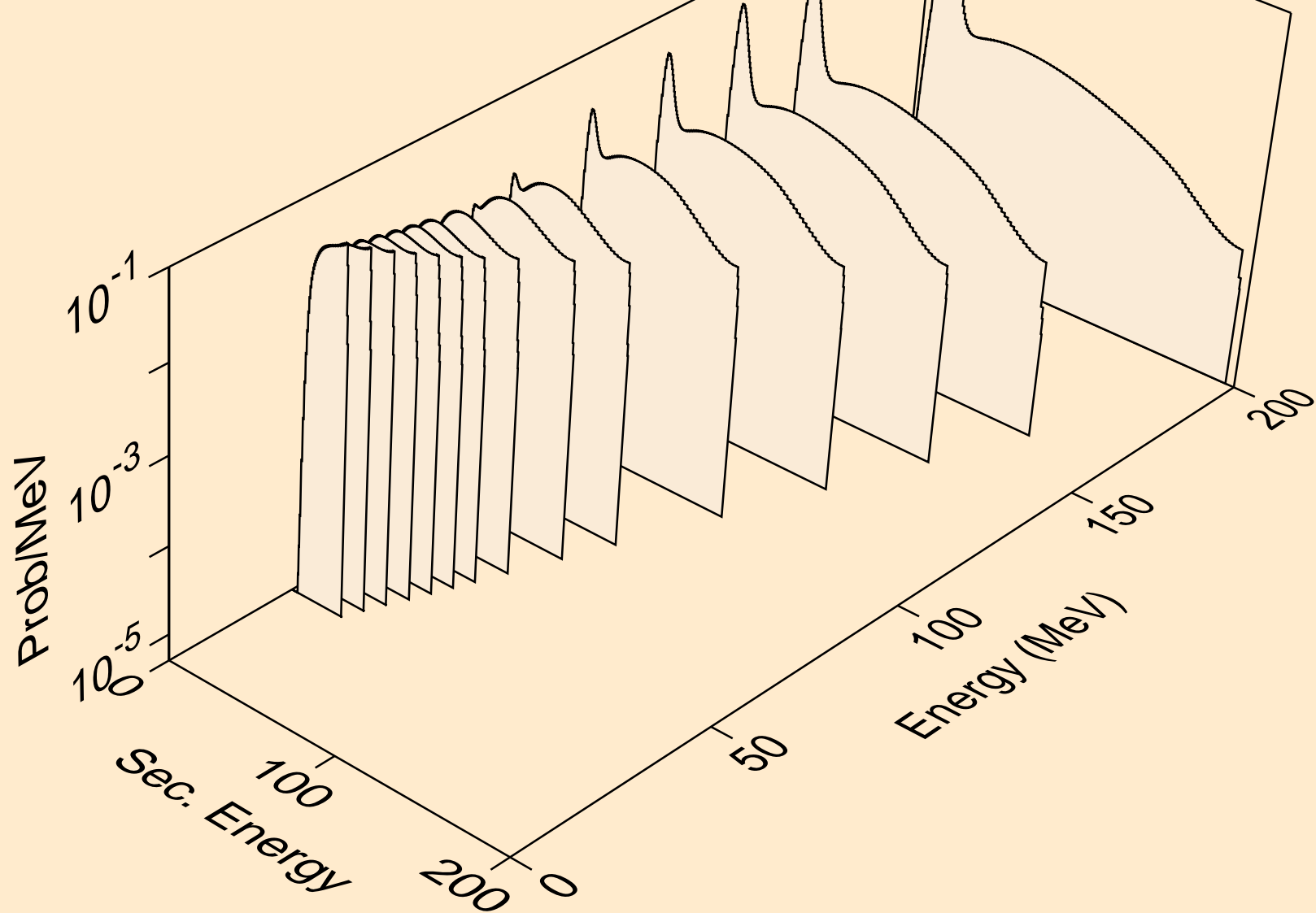
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protons from (n,pd)



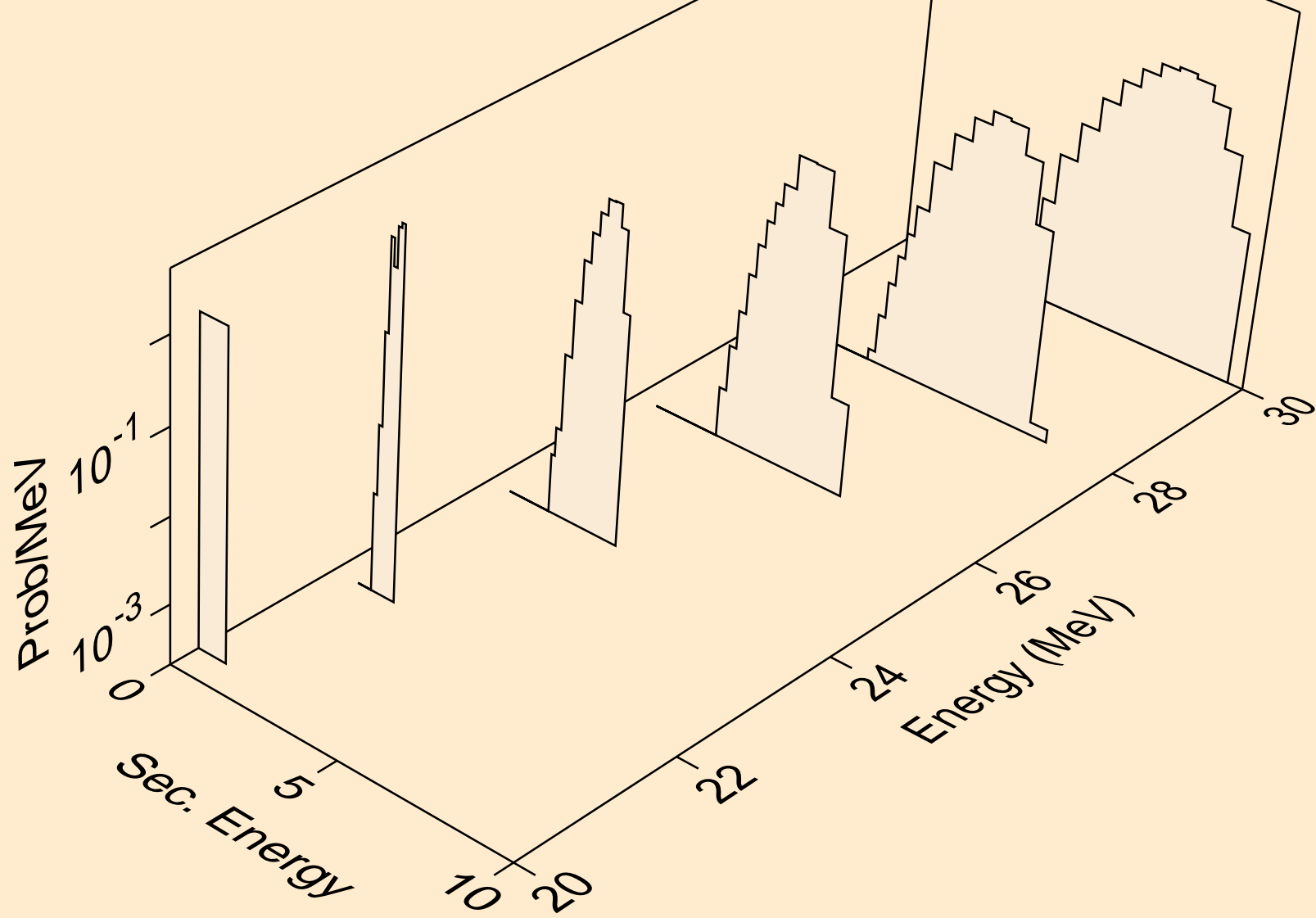
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protons from (n,pt)



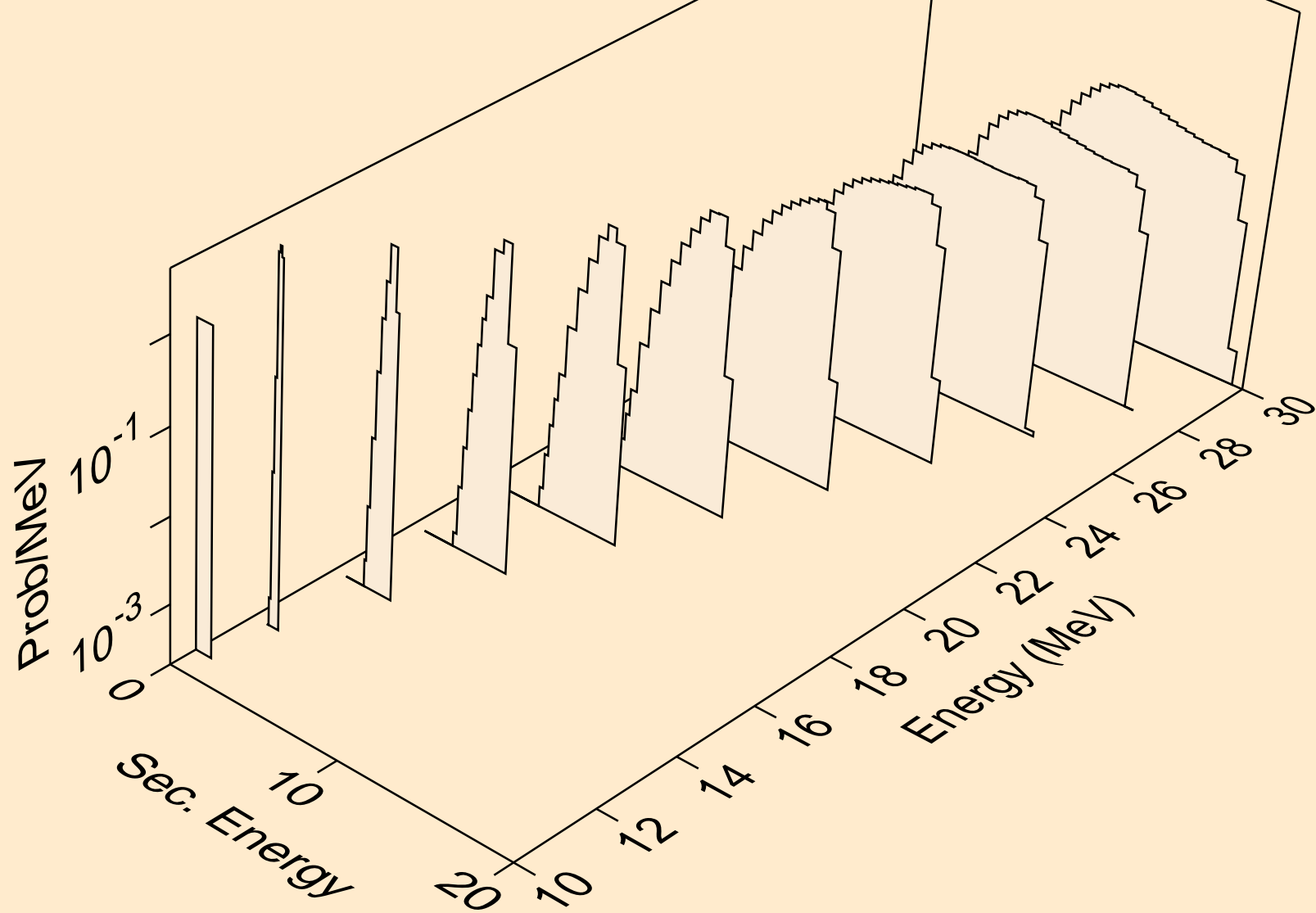
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

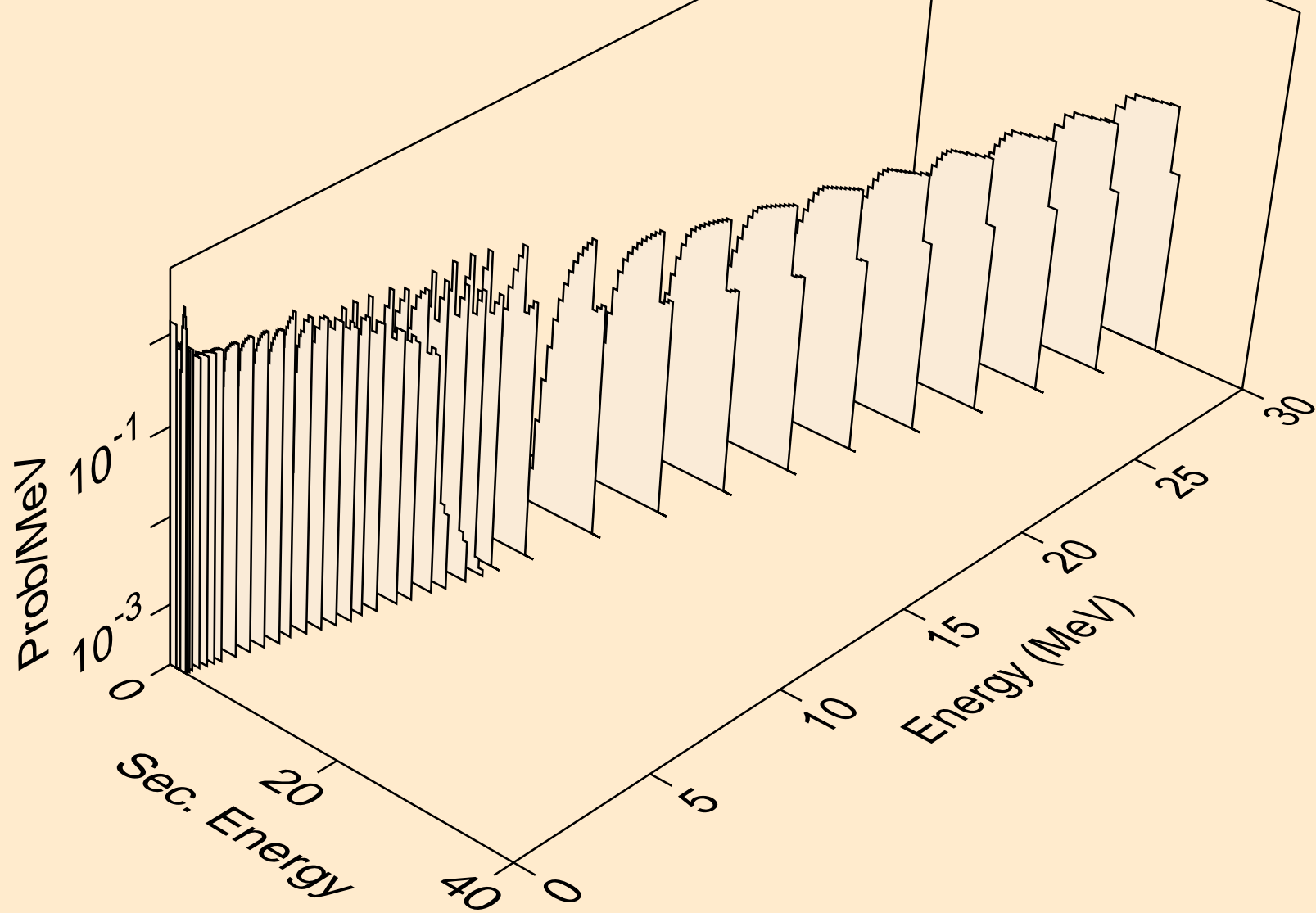


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

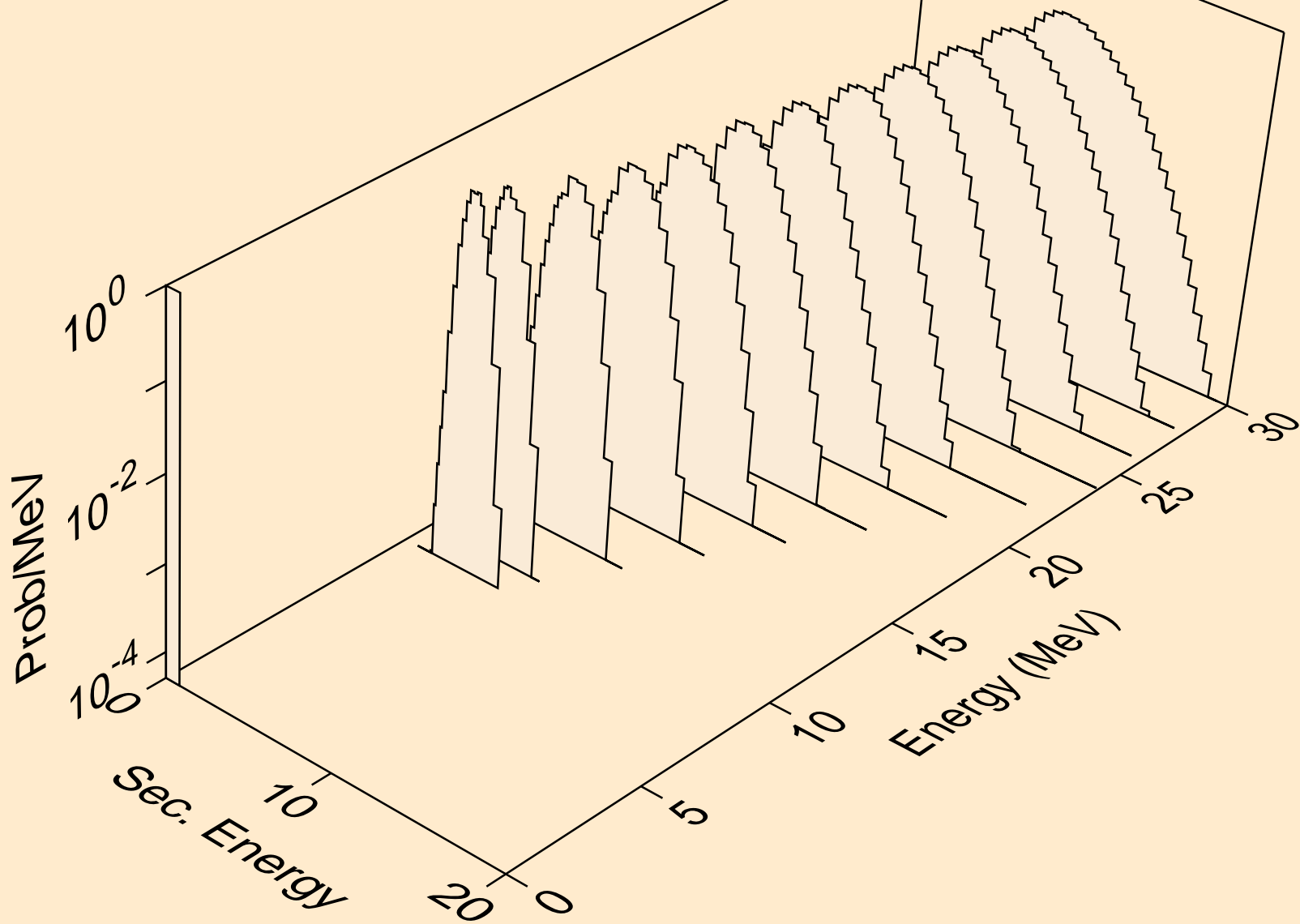




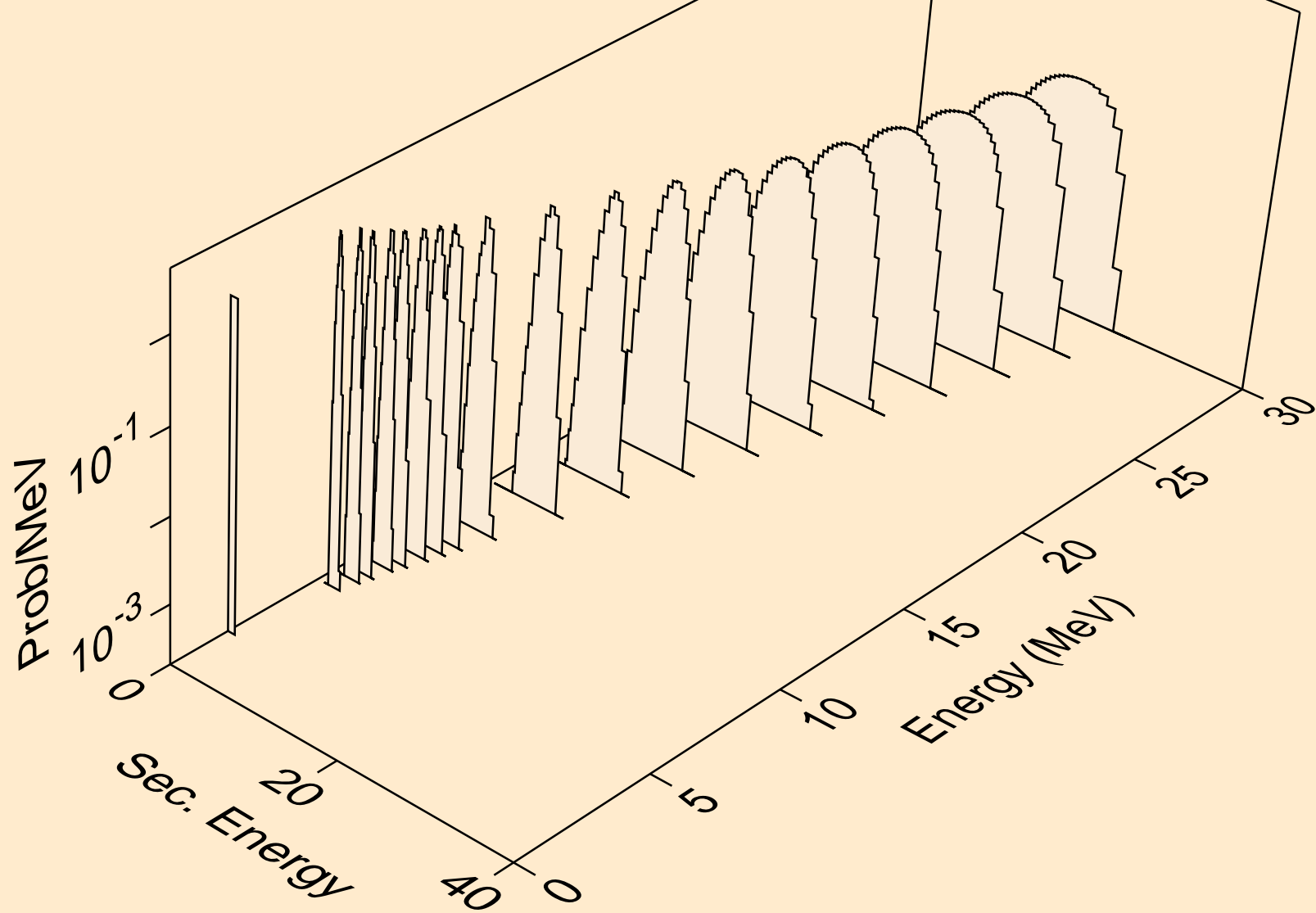
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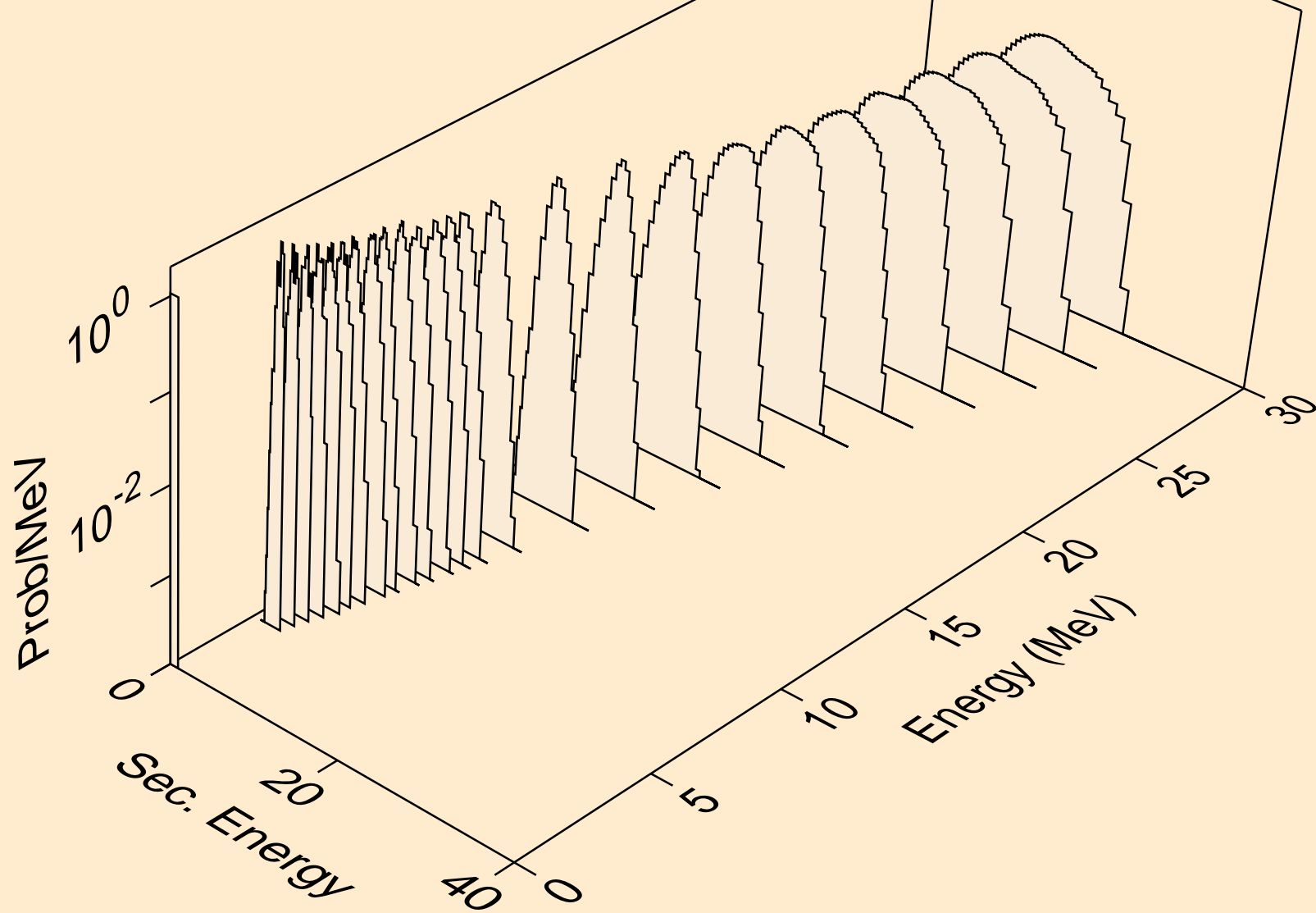
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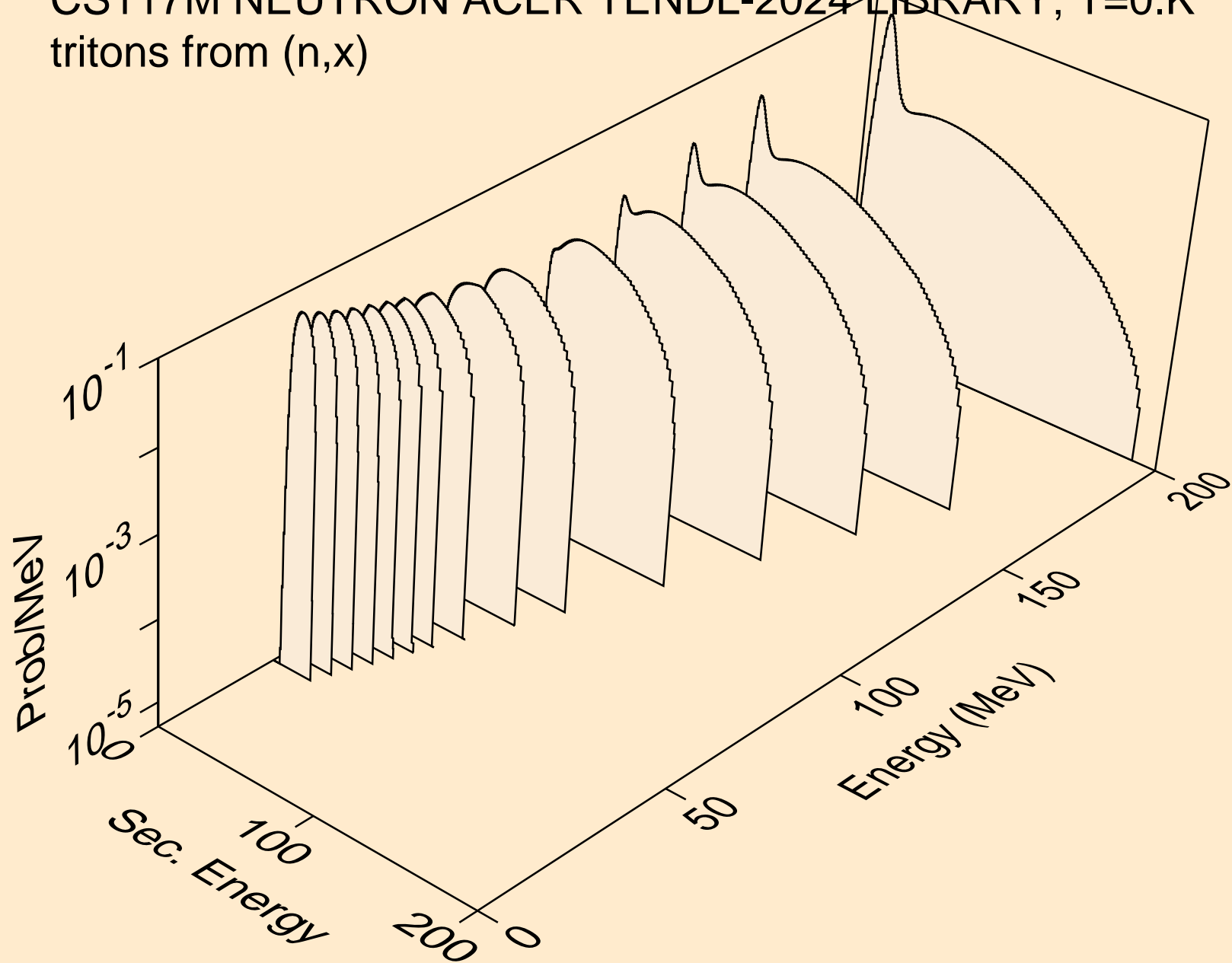
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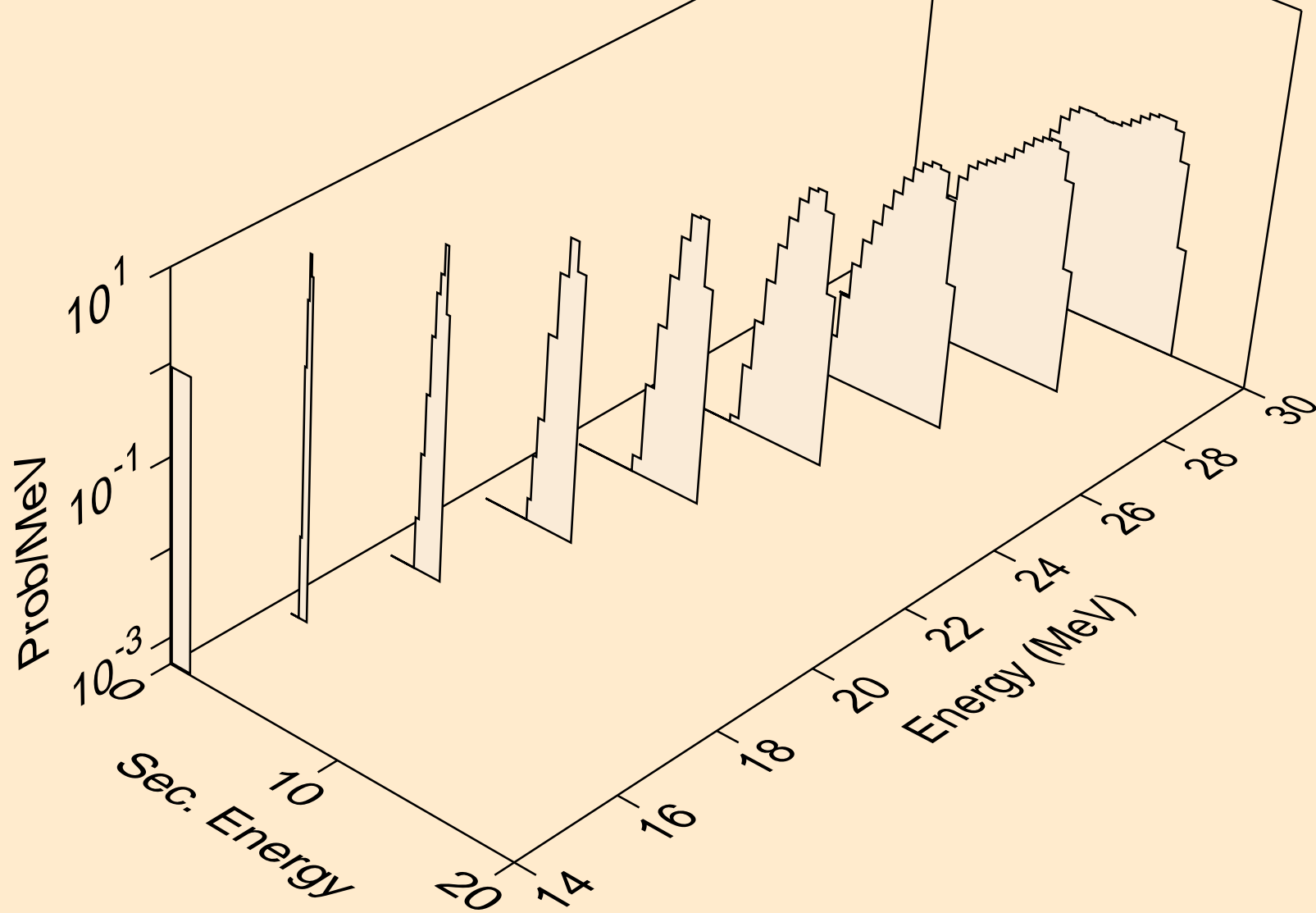
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deuterons from (n,da)



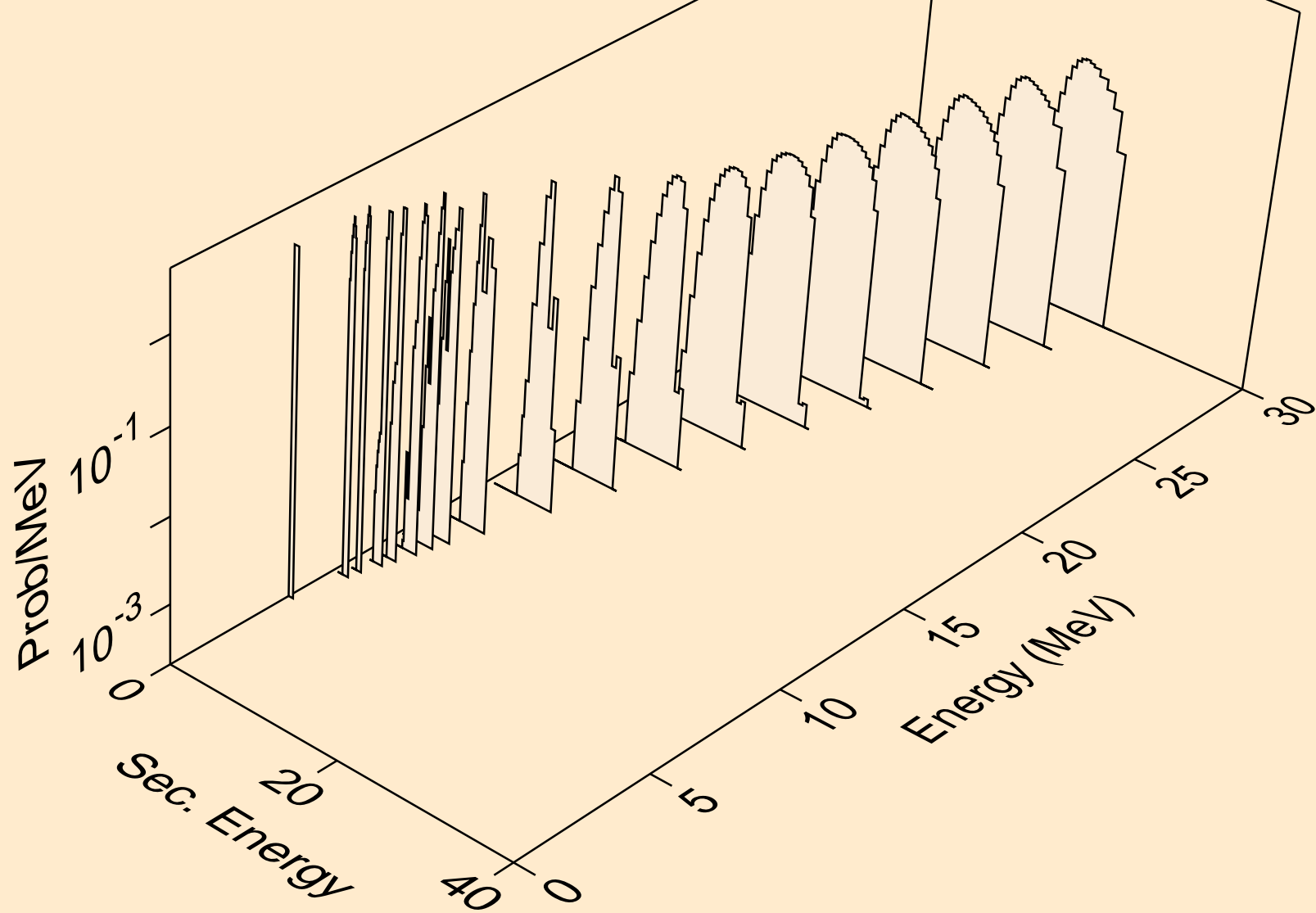
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tritons from (n,x)



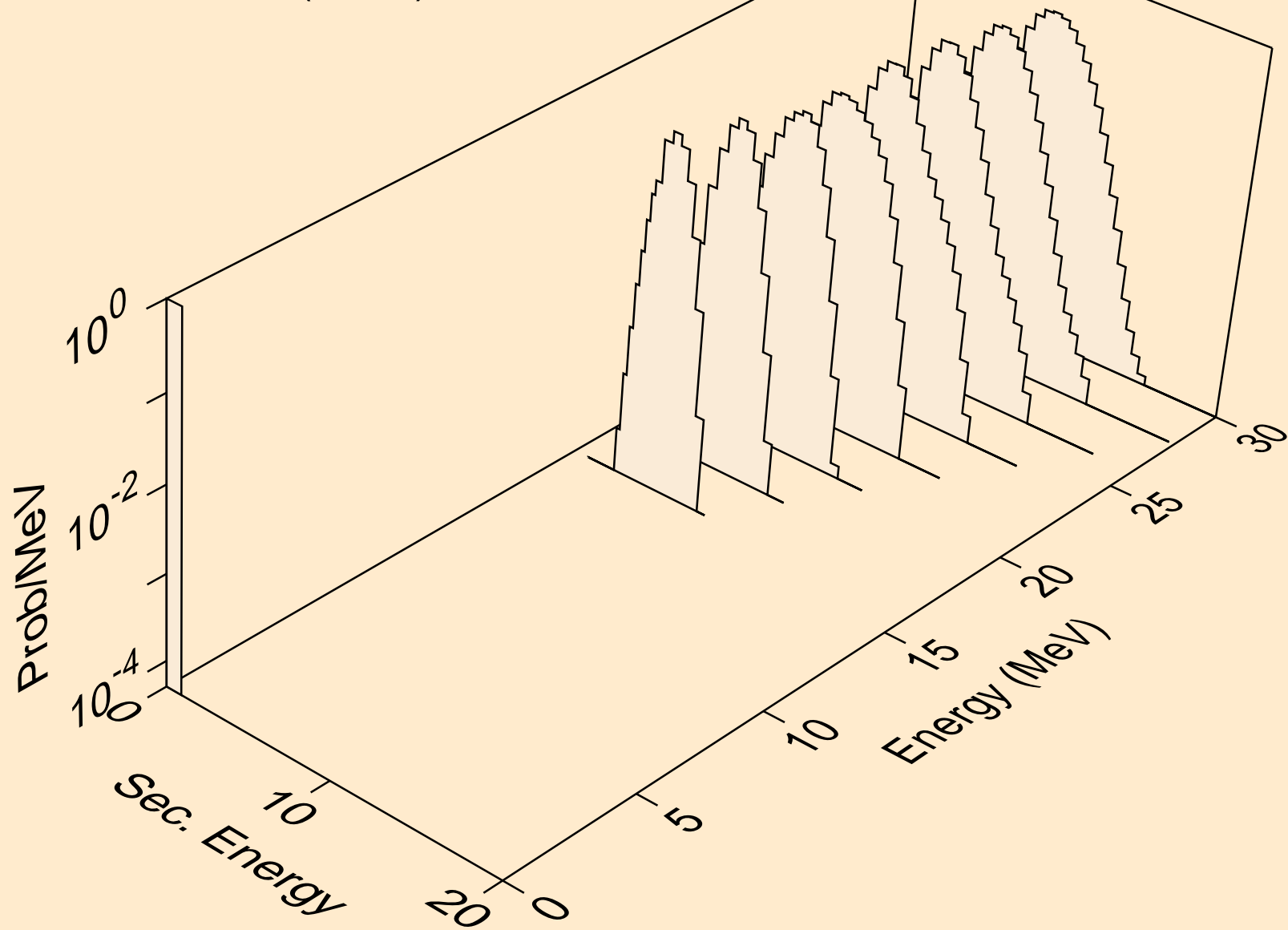
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

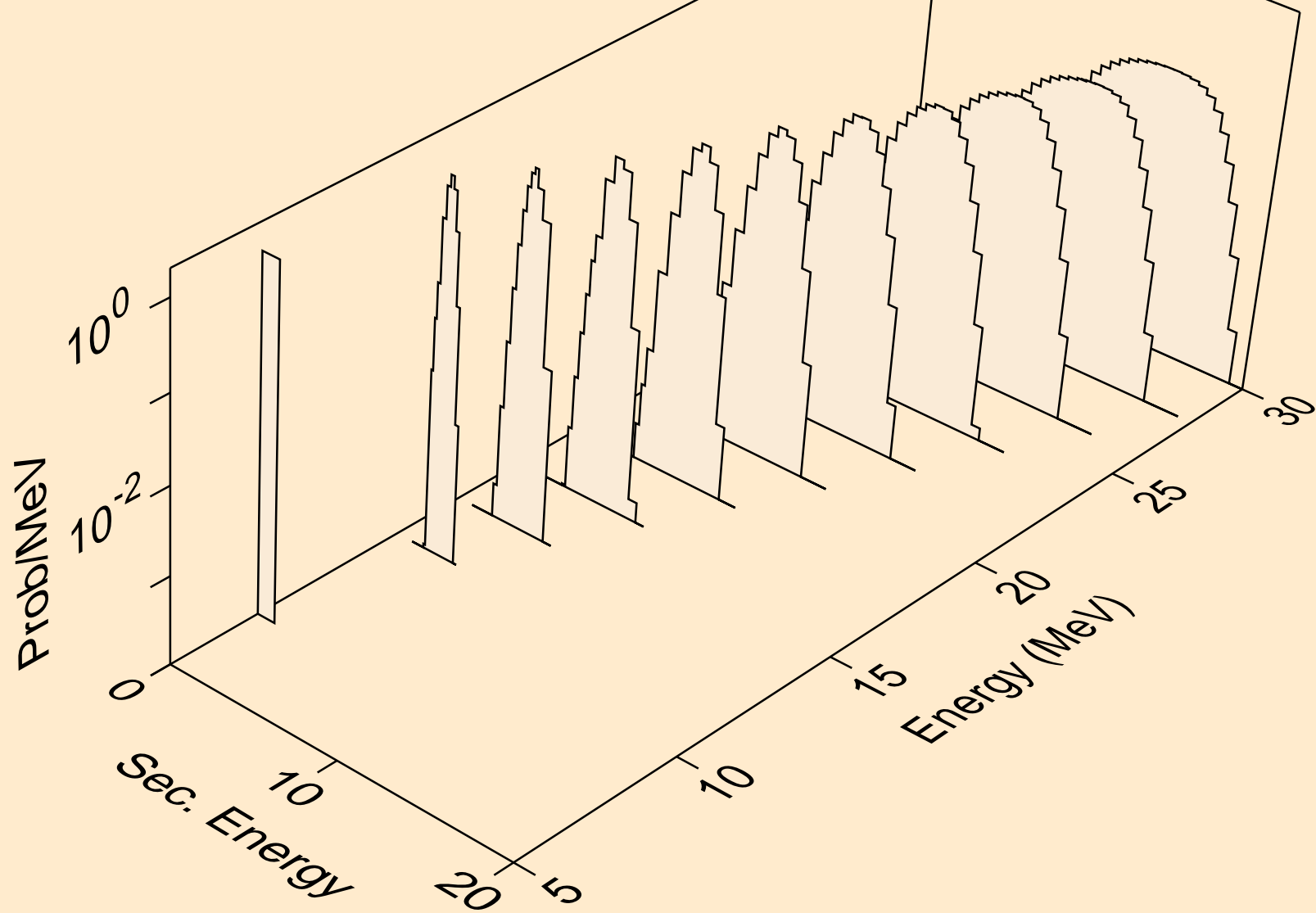


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tritons from (n,t2a)

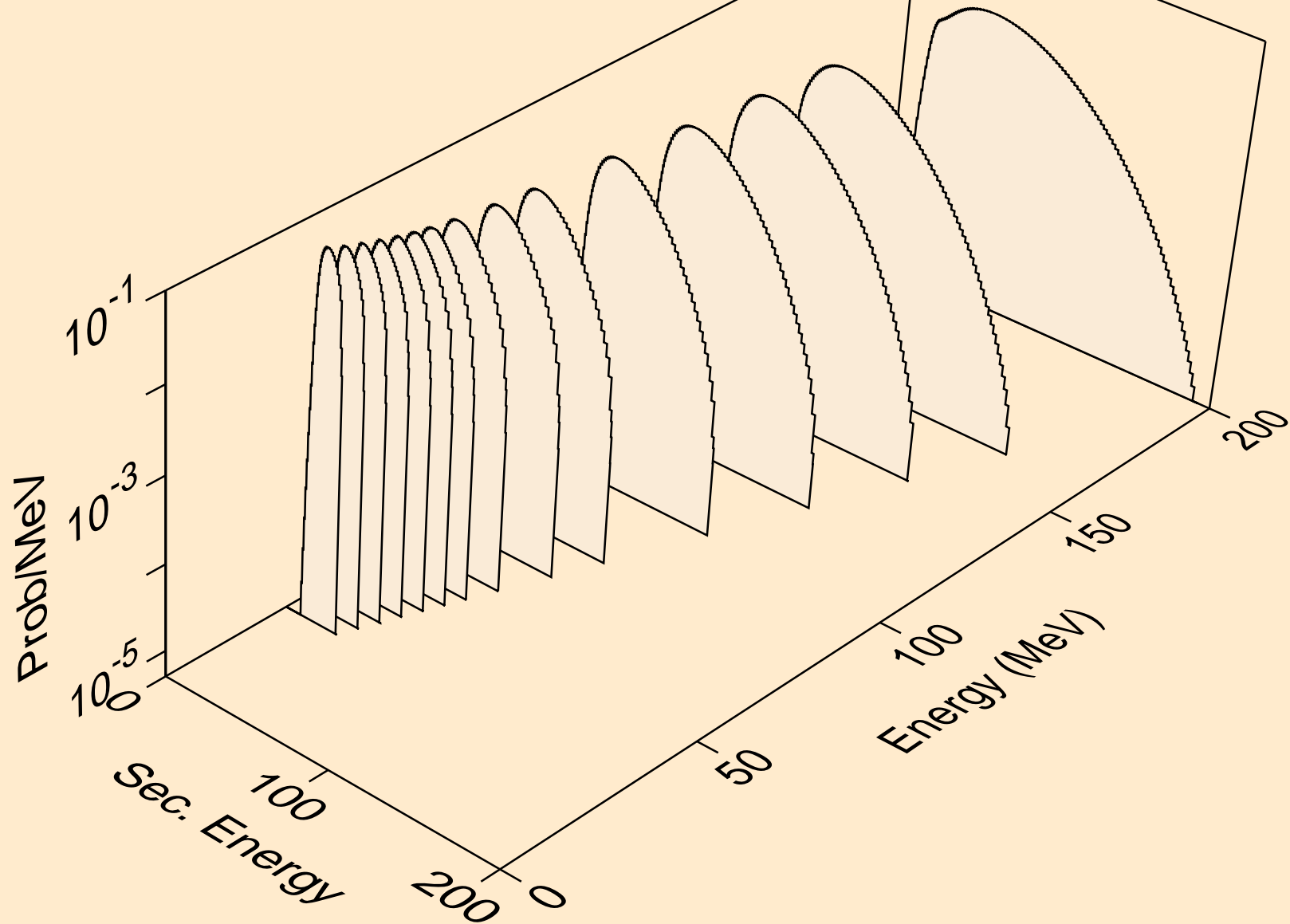




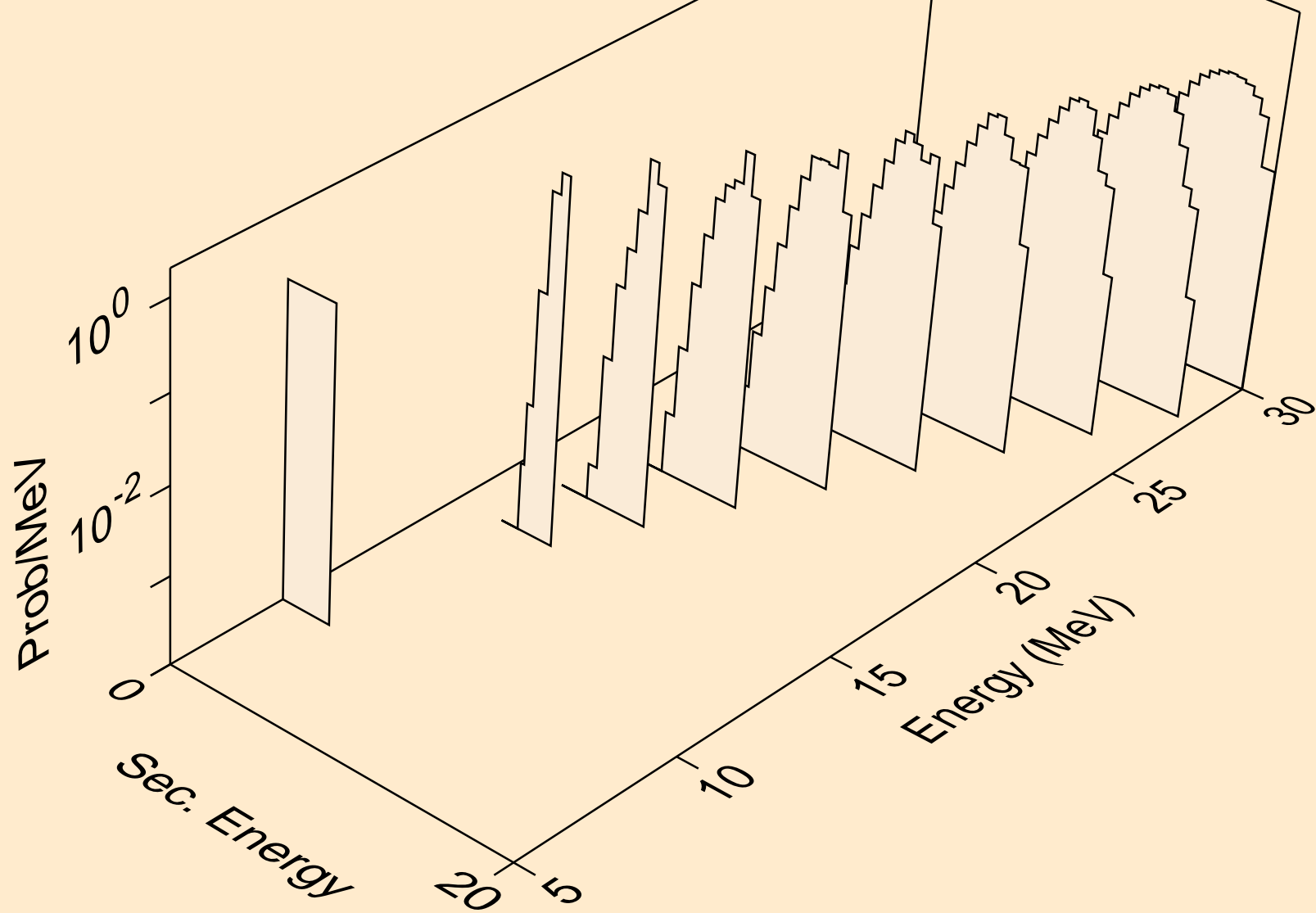
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tritons from (n,pt)



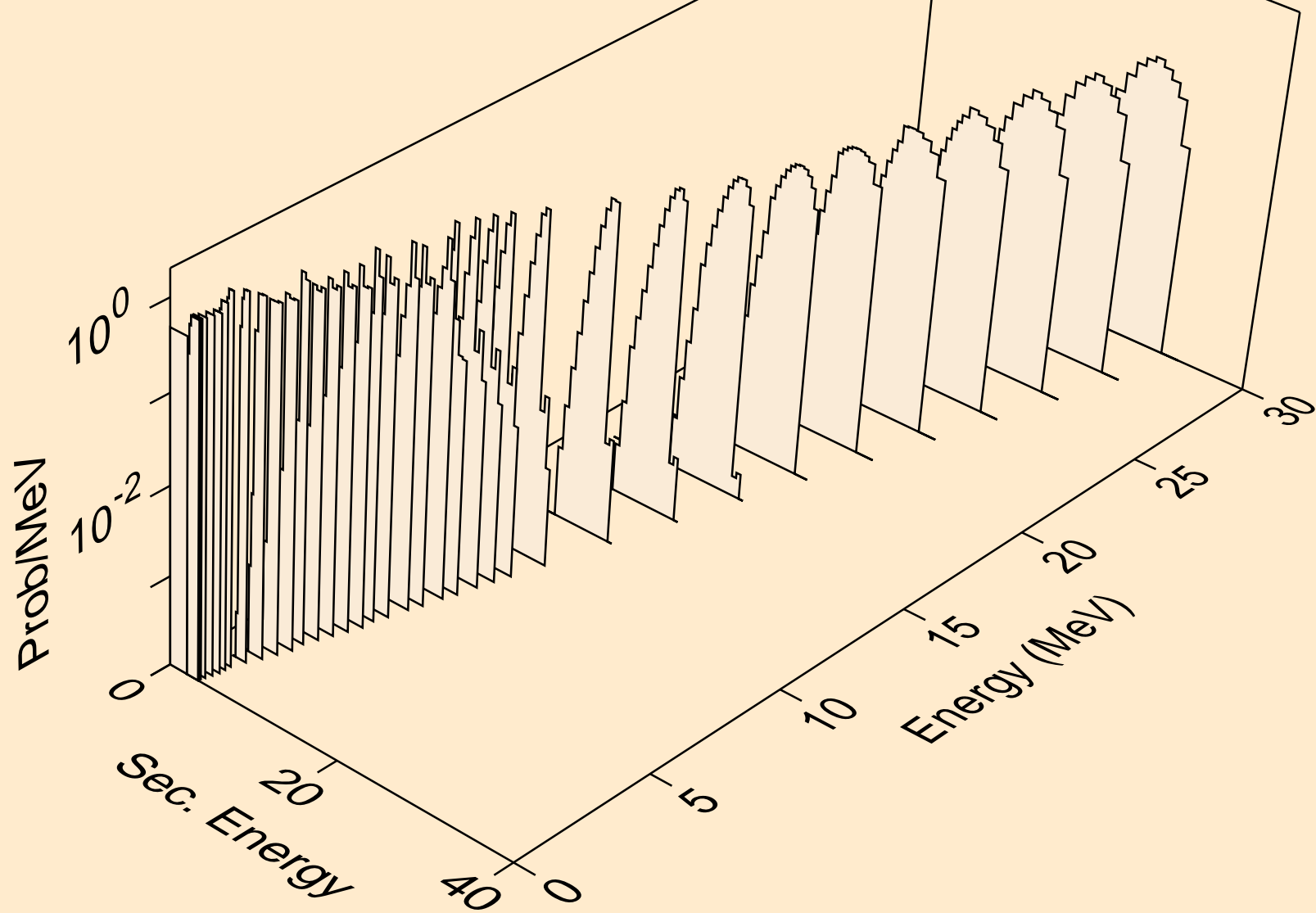
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



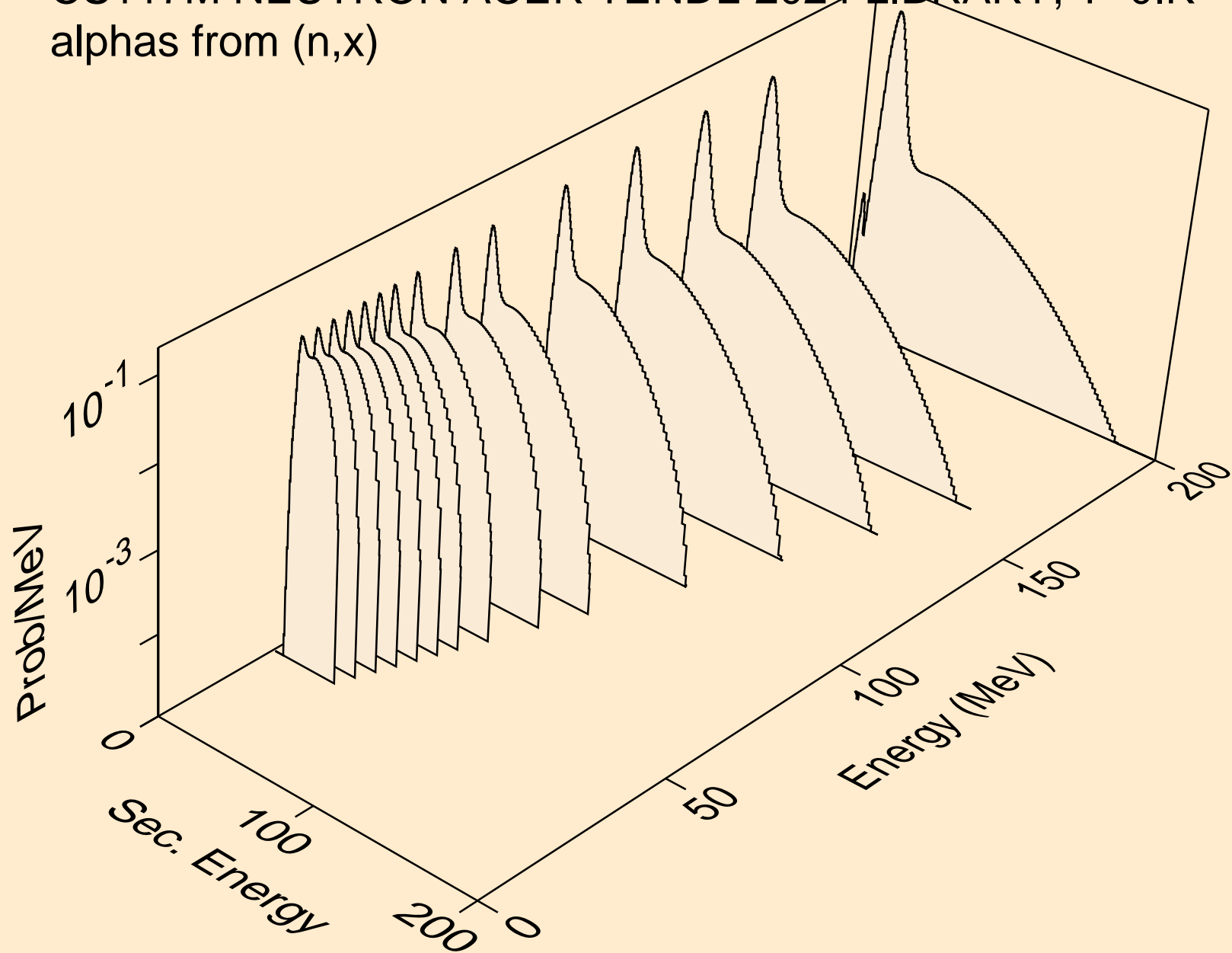
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



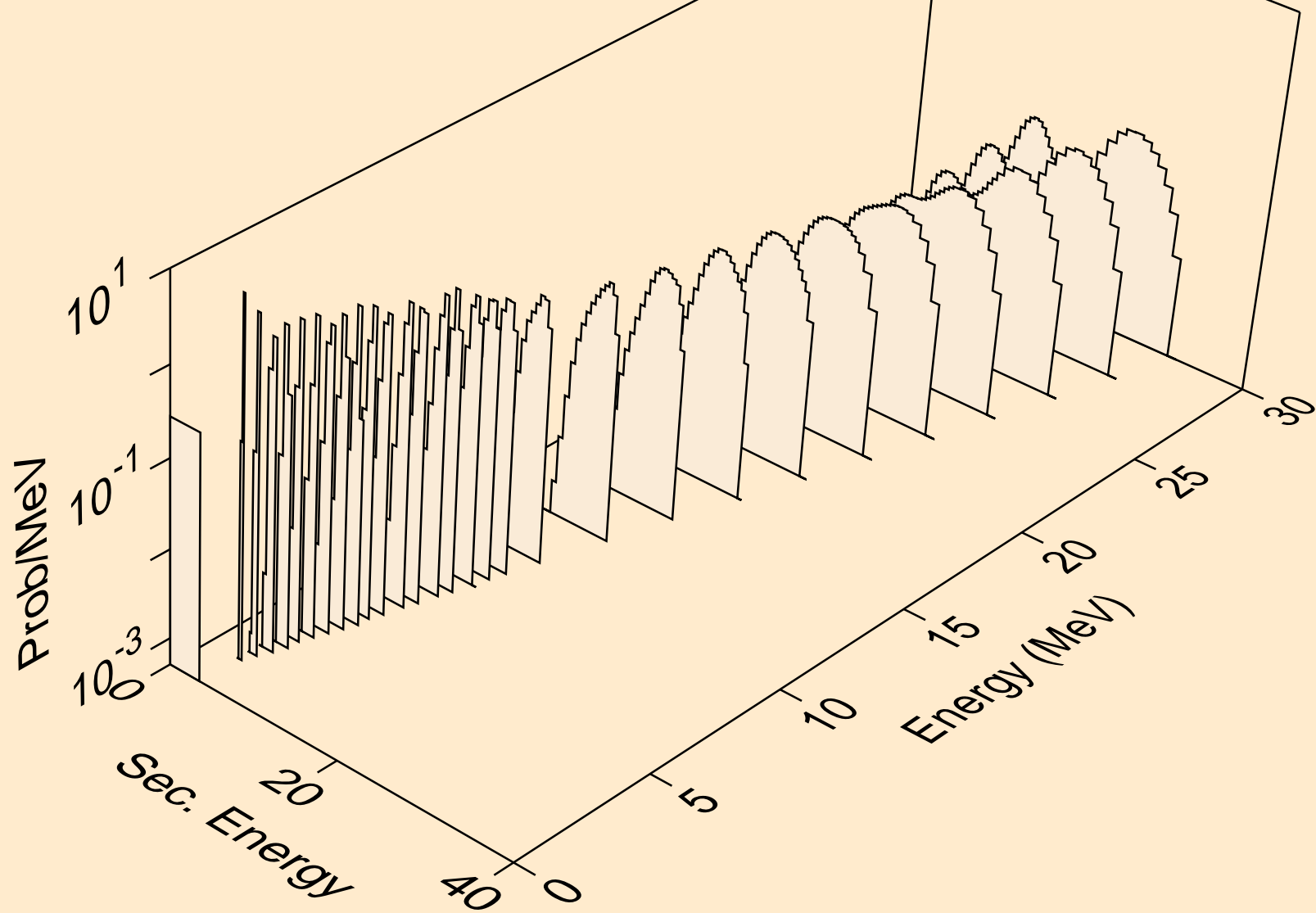
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he3s from (n,he3)



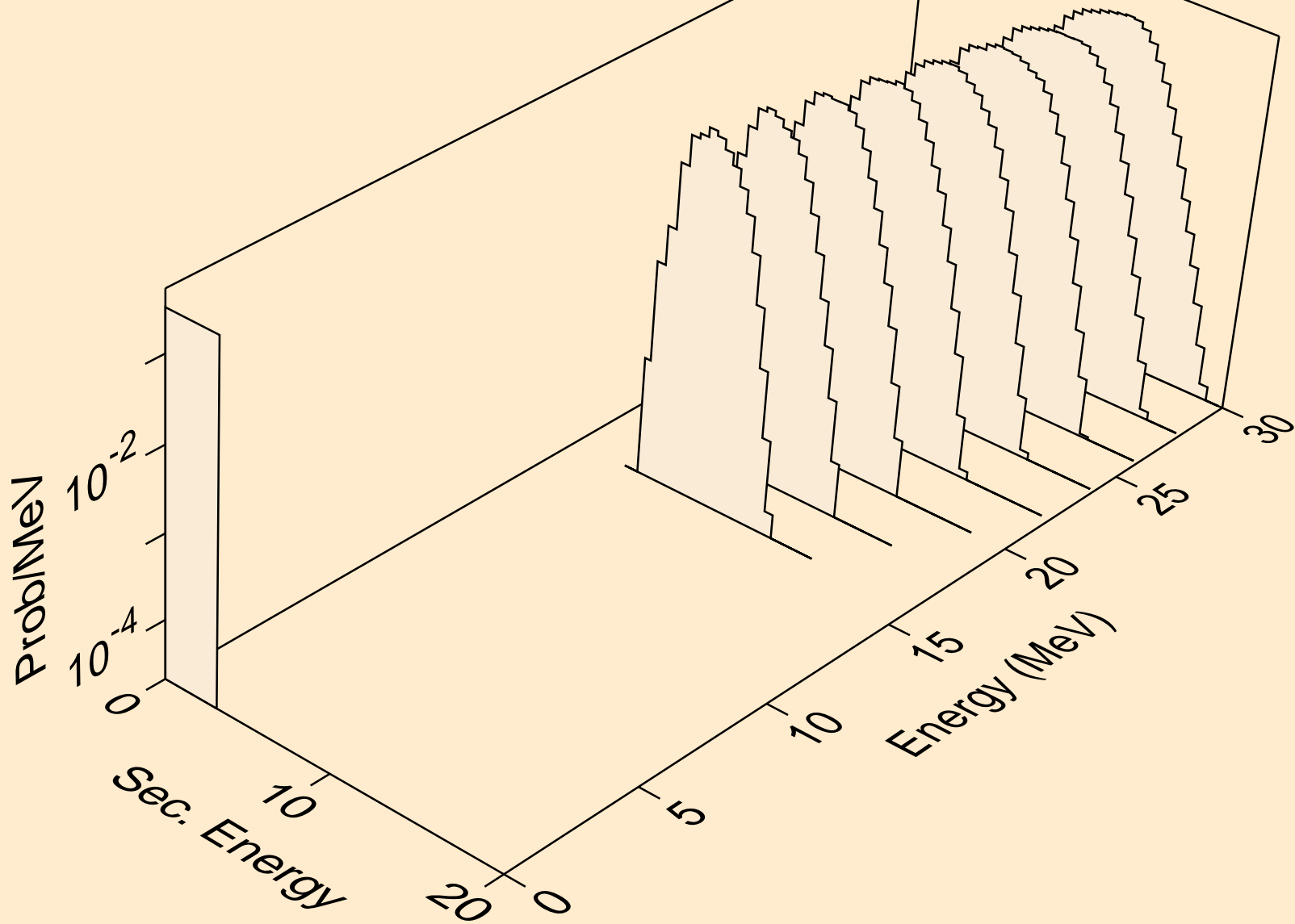
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



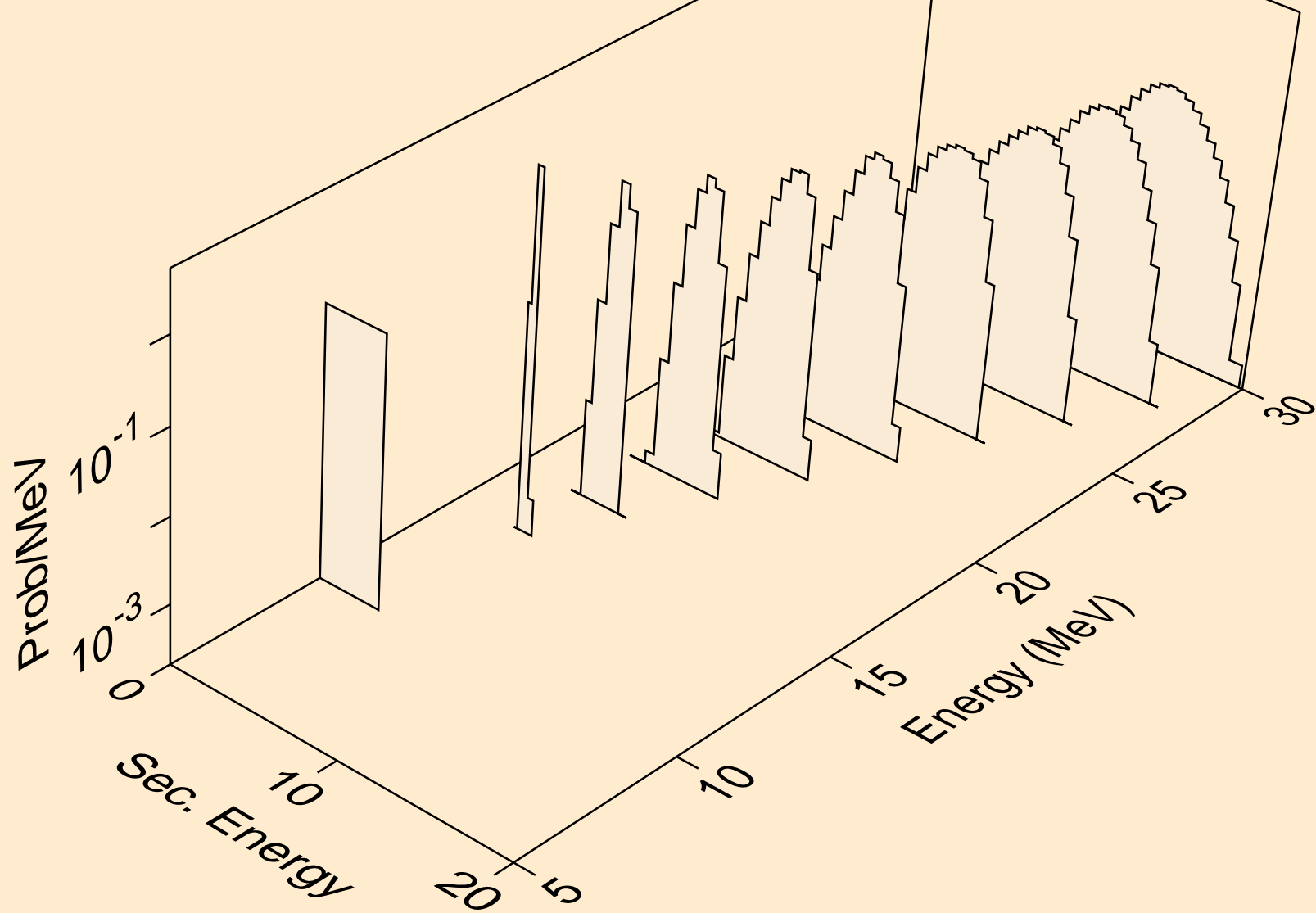
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)3a

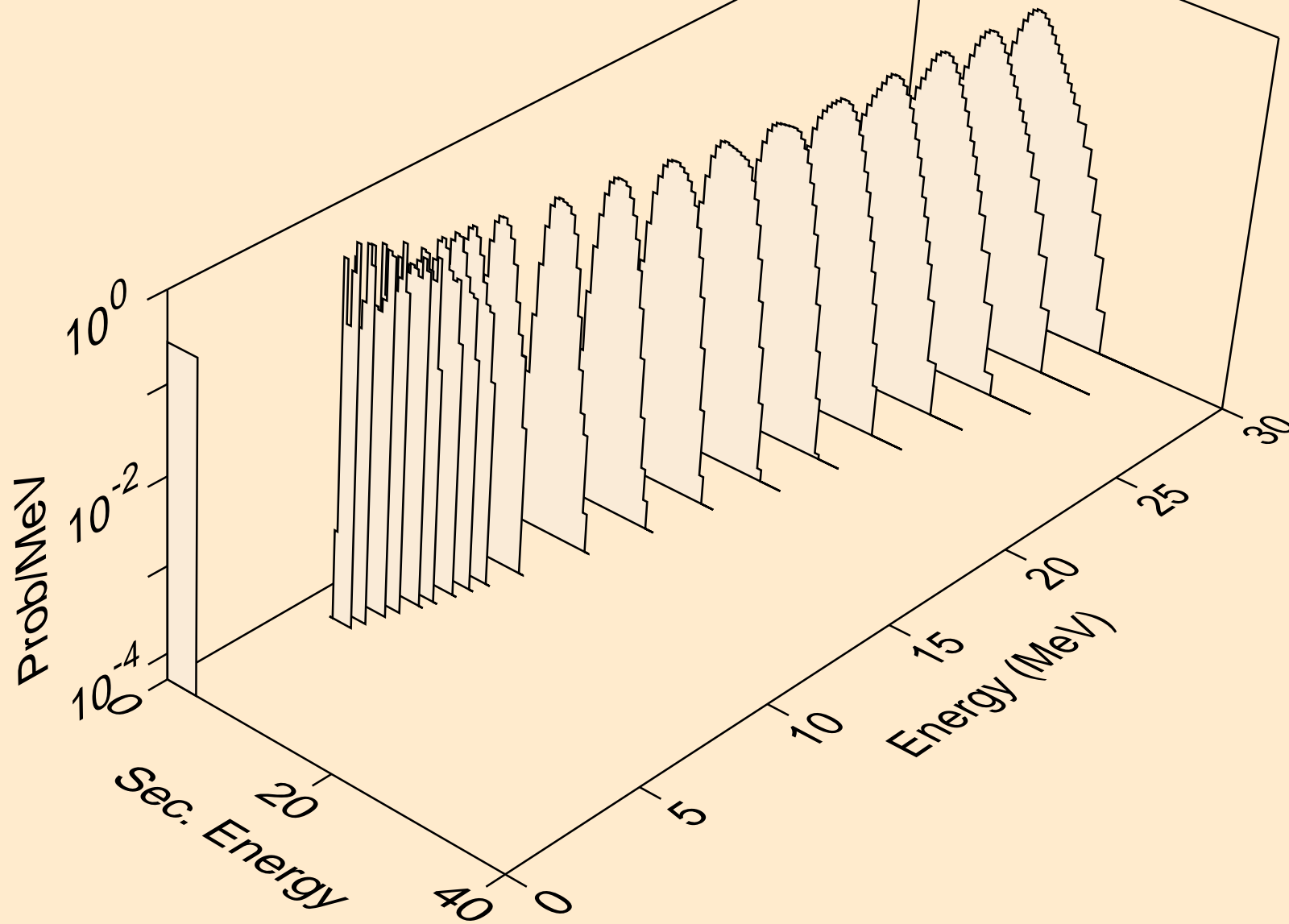


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alphas from (n,2n)a

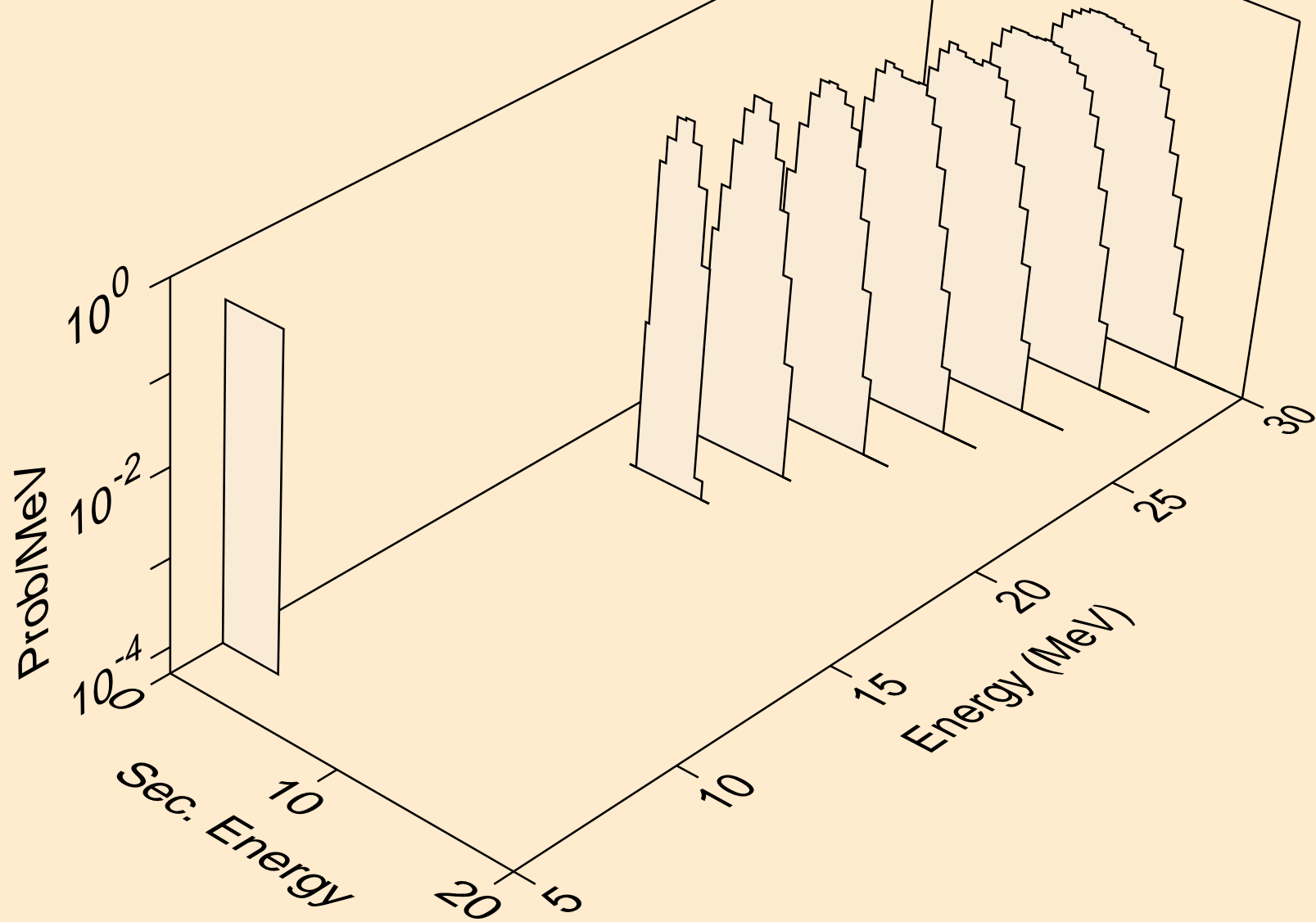




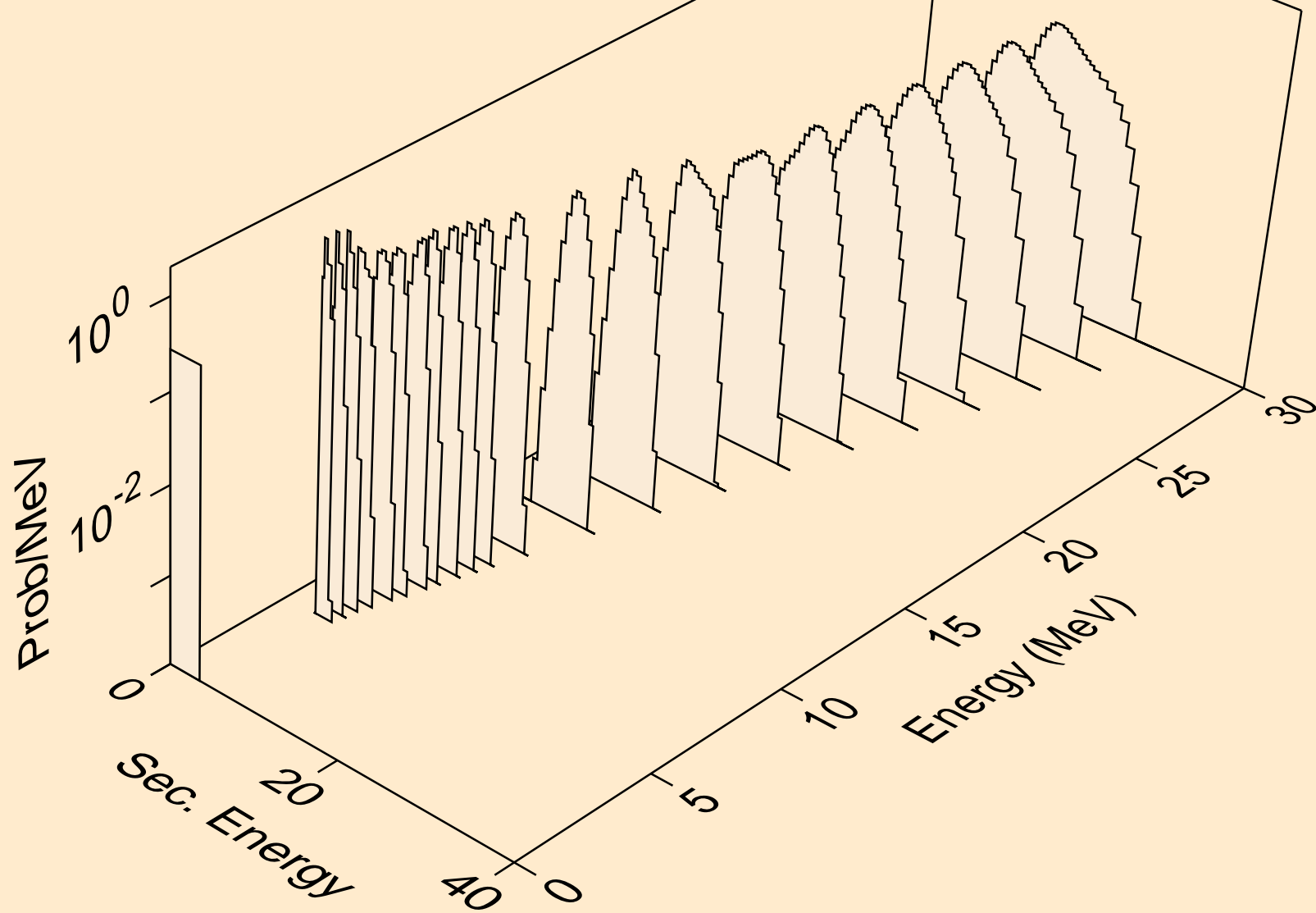
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alphas from (n,n\*)2a



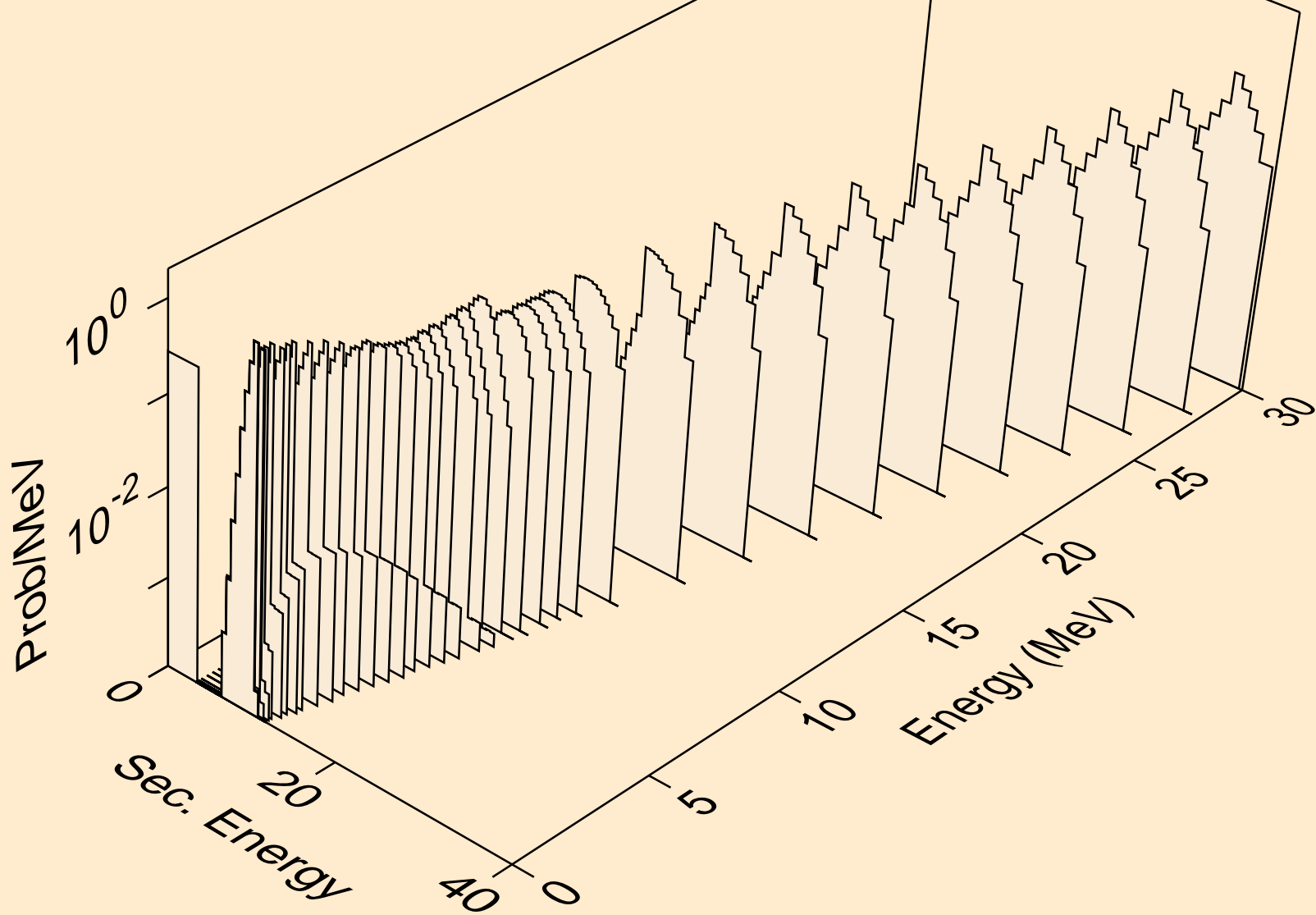
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alphas from (n,2n)2a



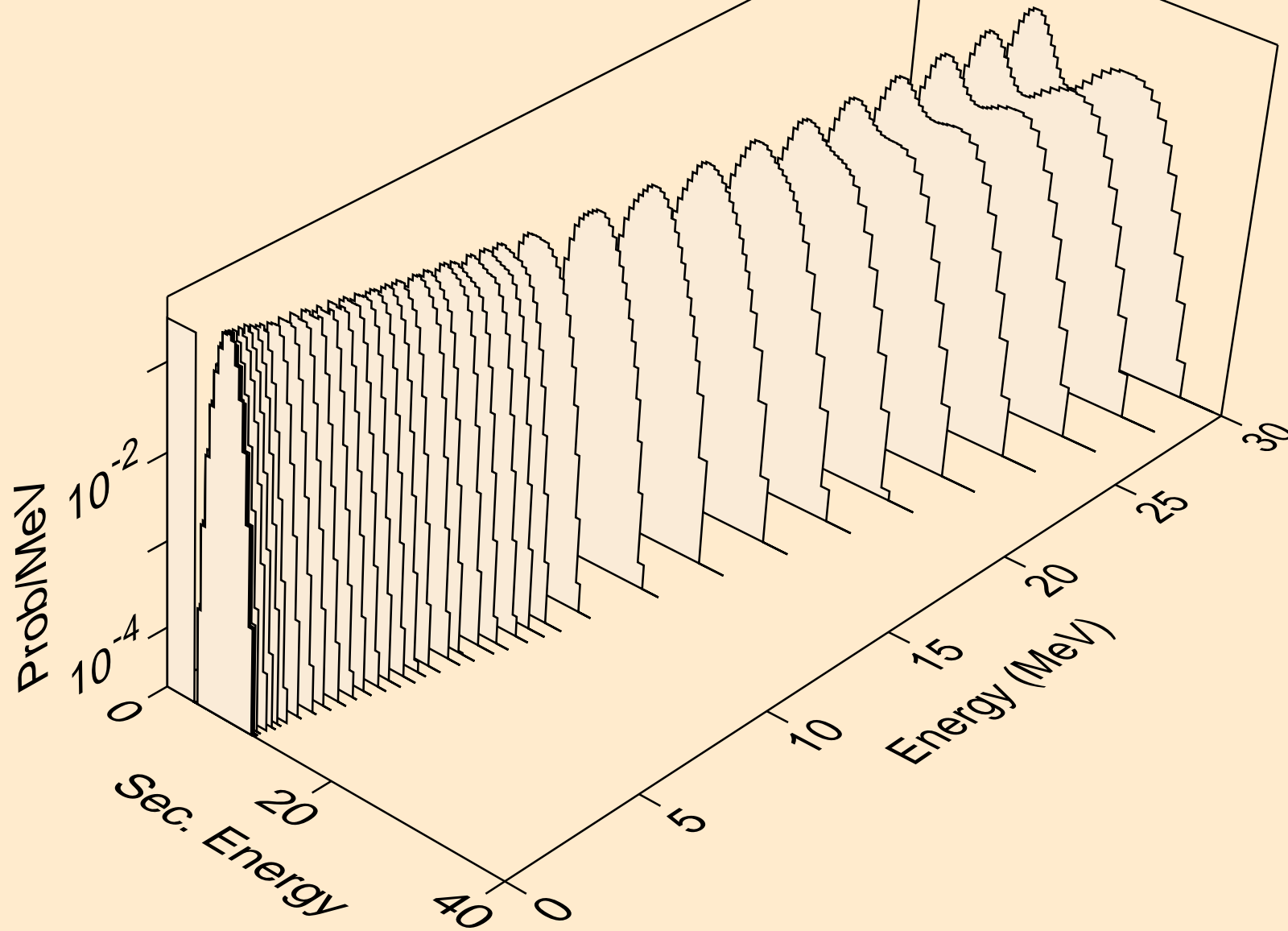
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



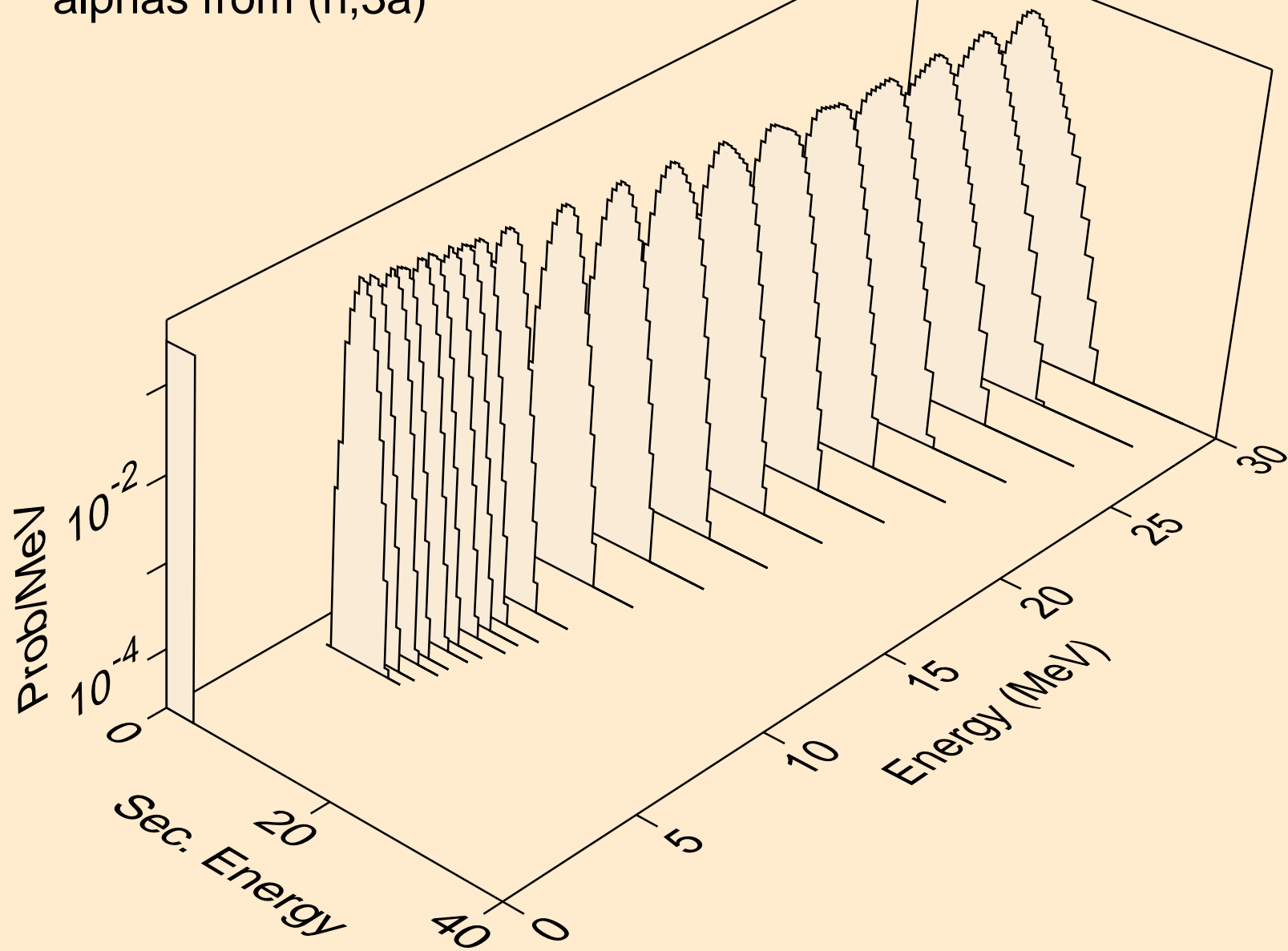
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alphas from (n,a)



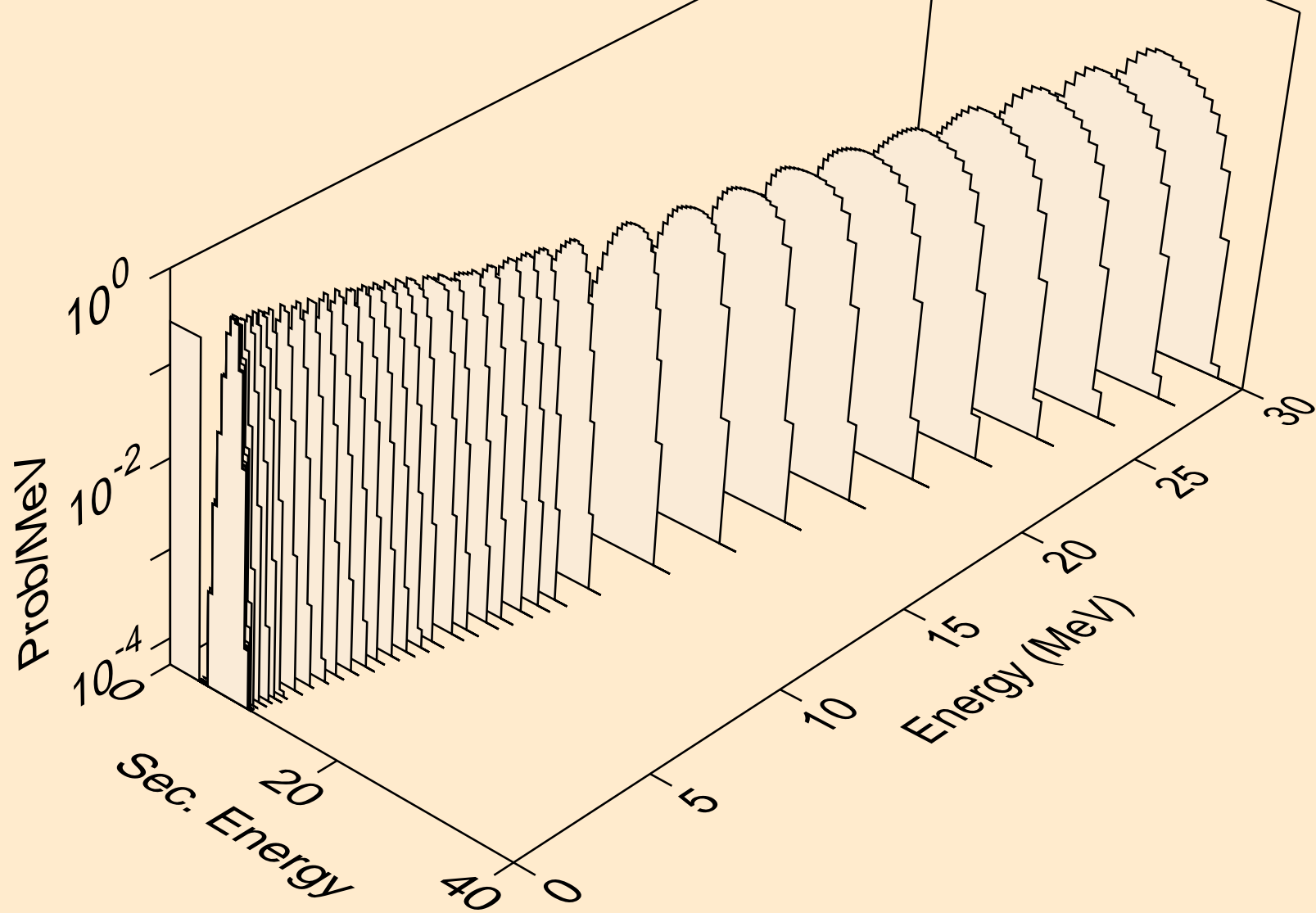
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alphas from (n,2a)



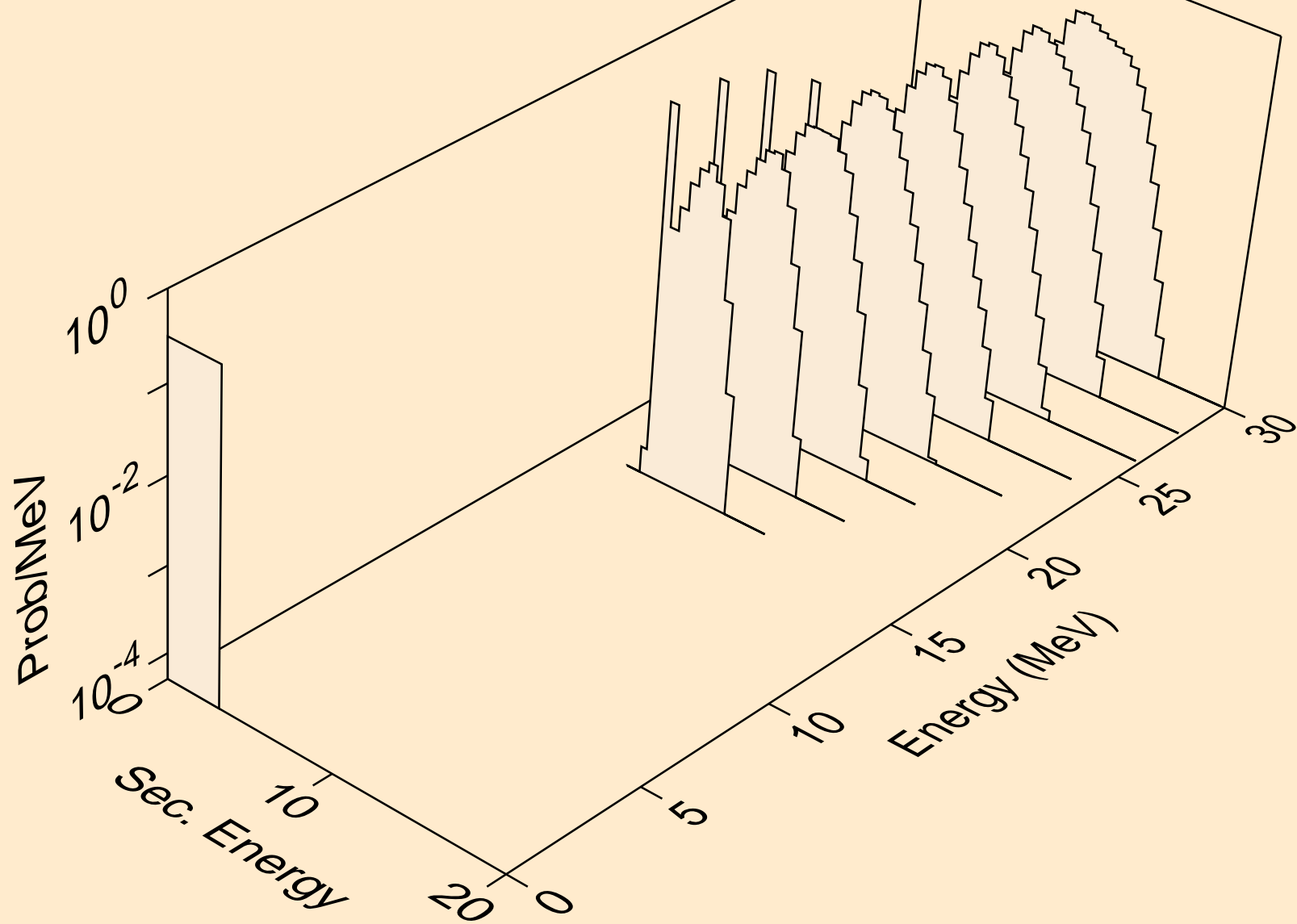
CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

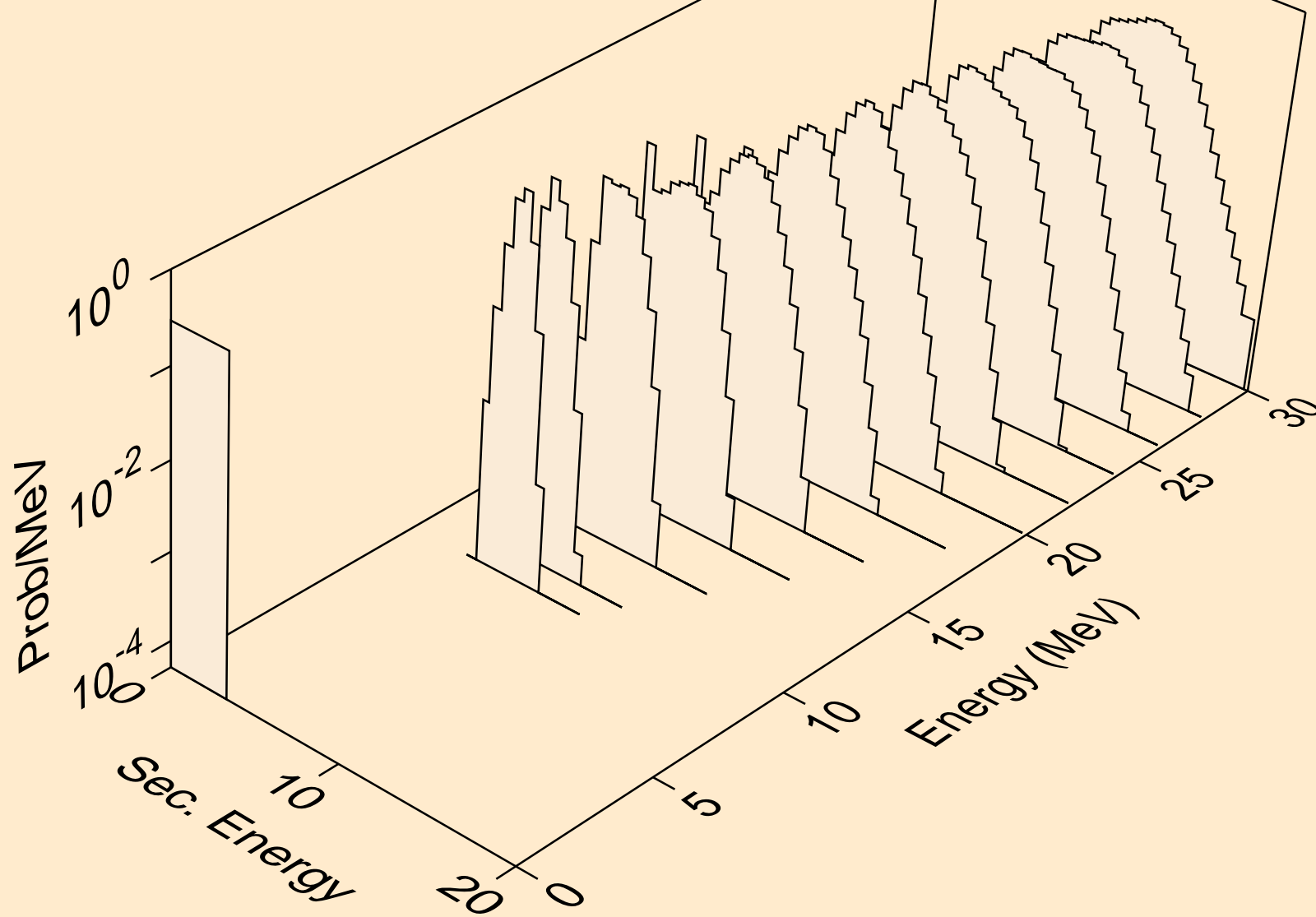


CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,t2a)





CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



CS117M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

