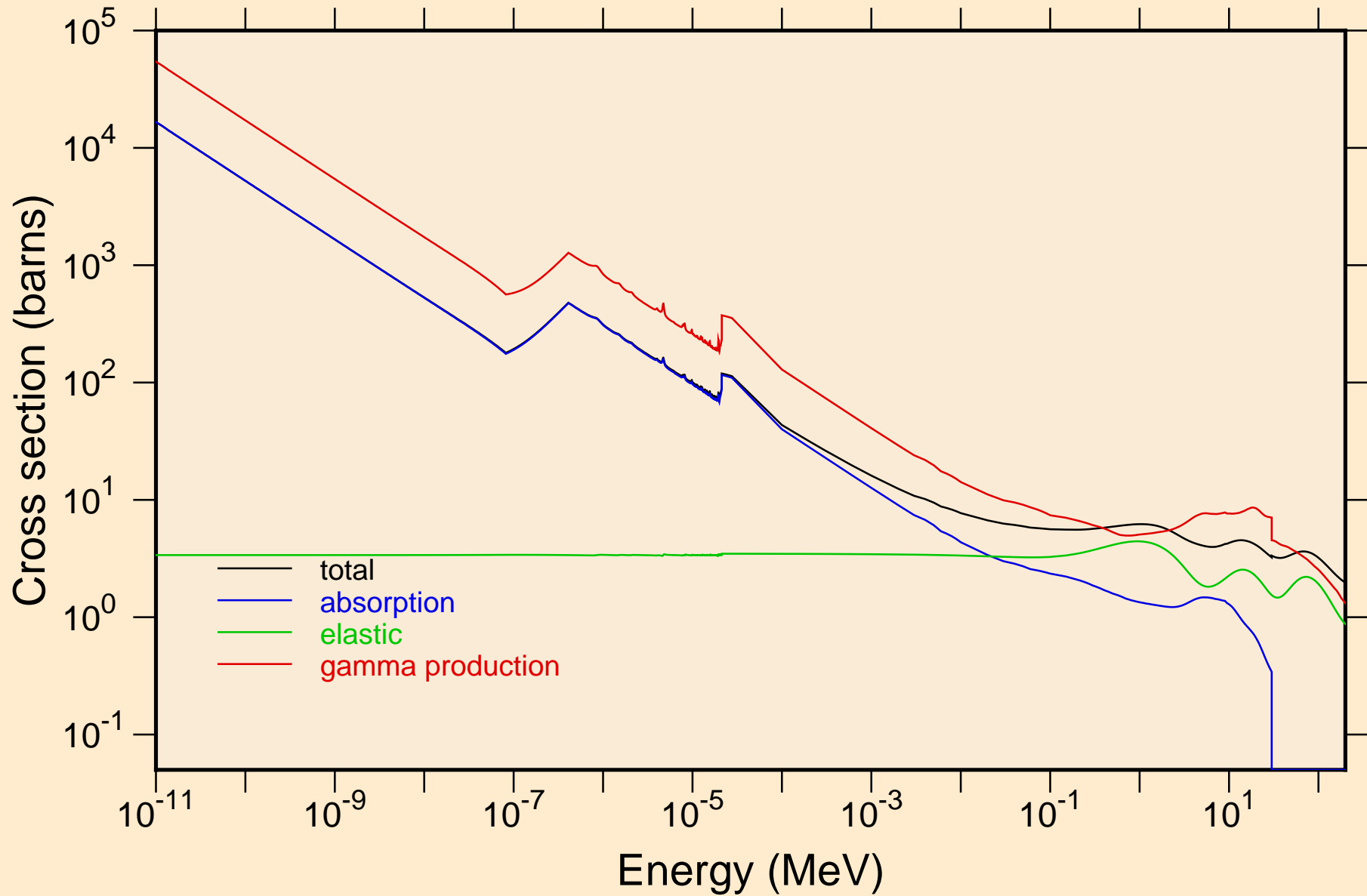
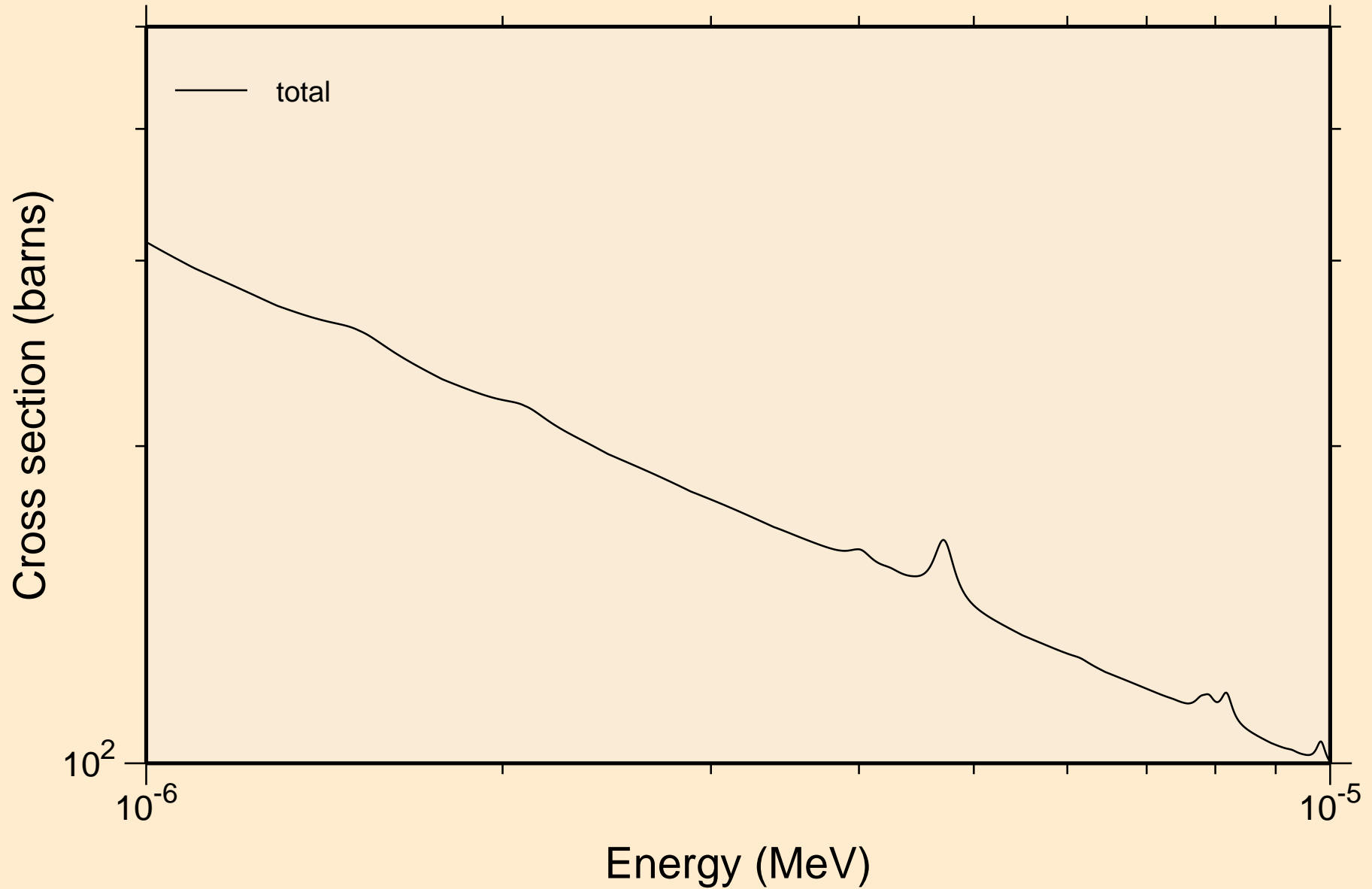


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

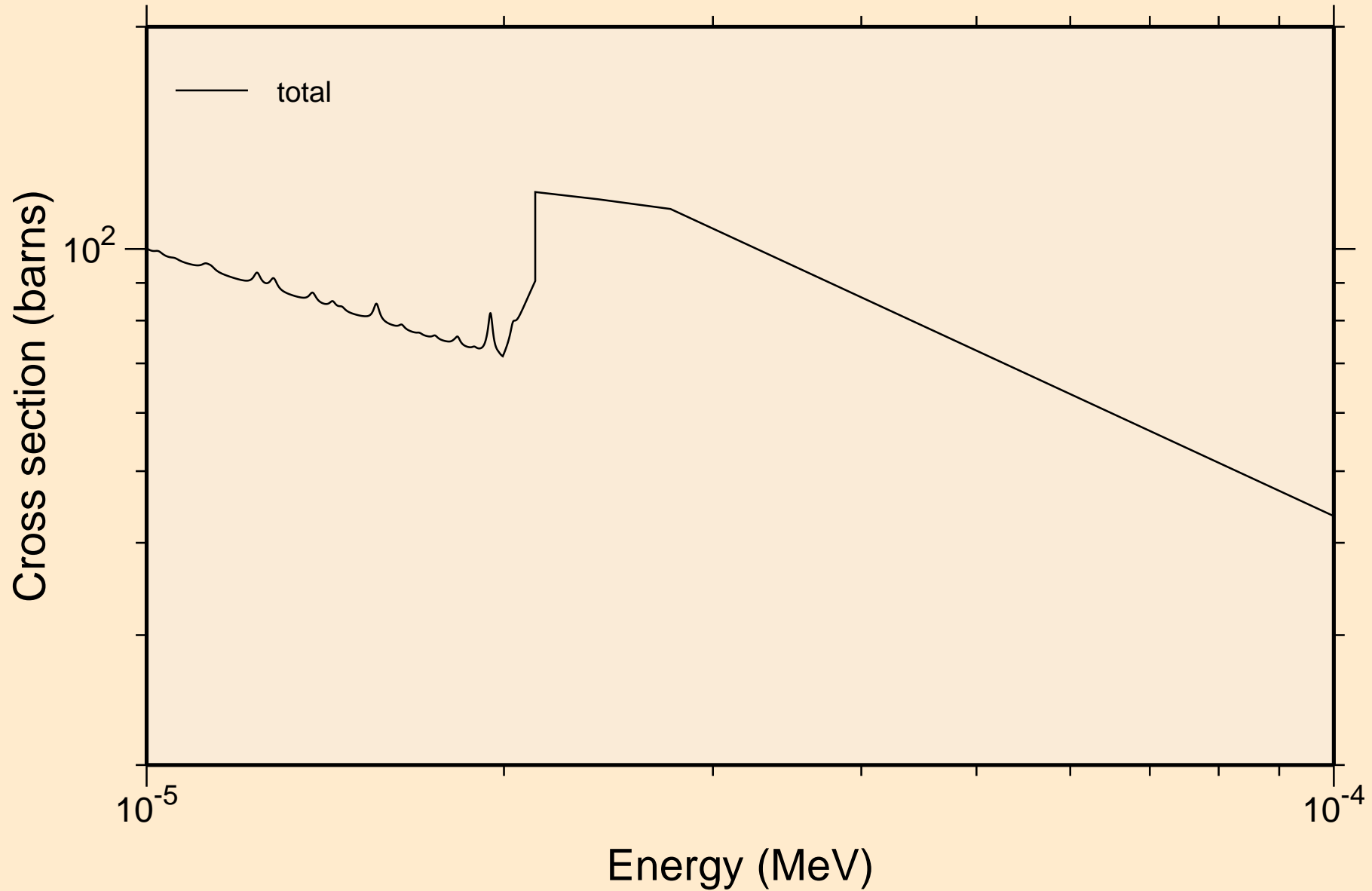
## Principal cross sections



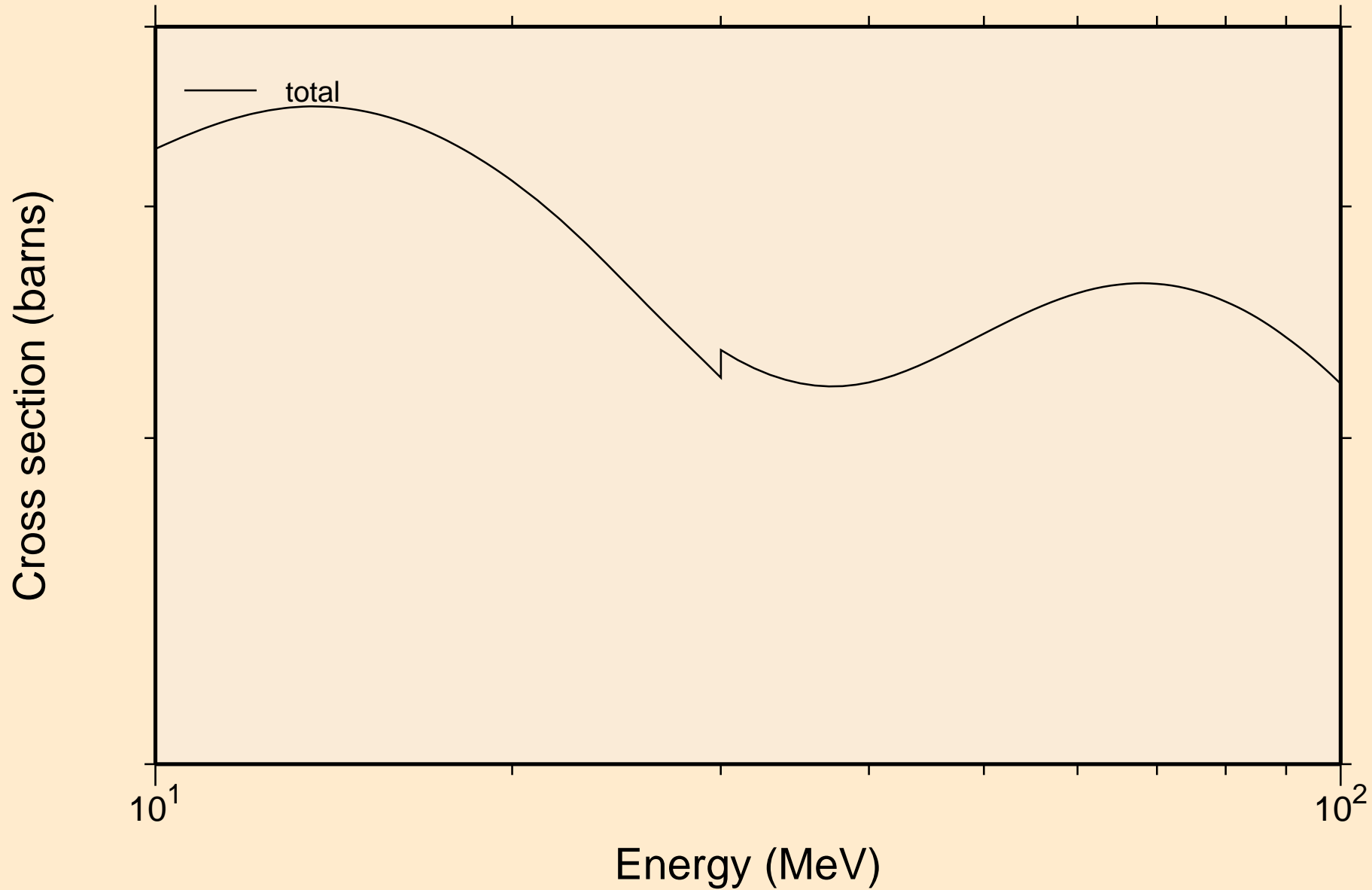
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



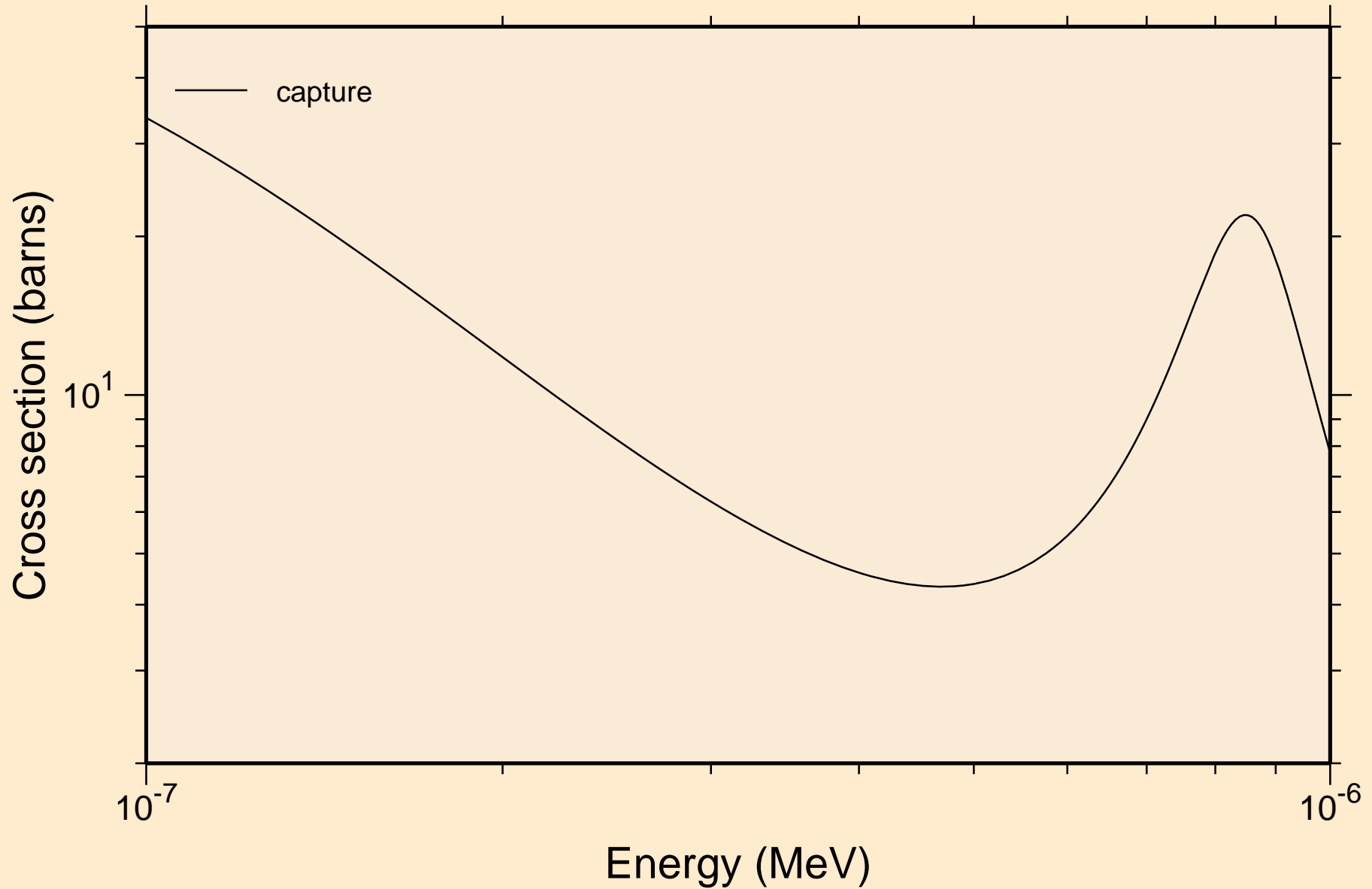
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resonance total cross section



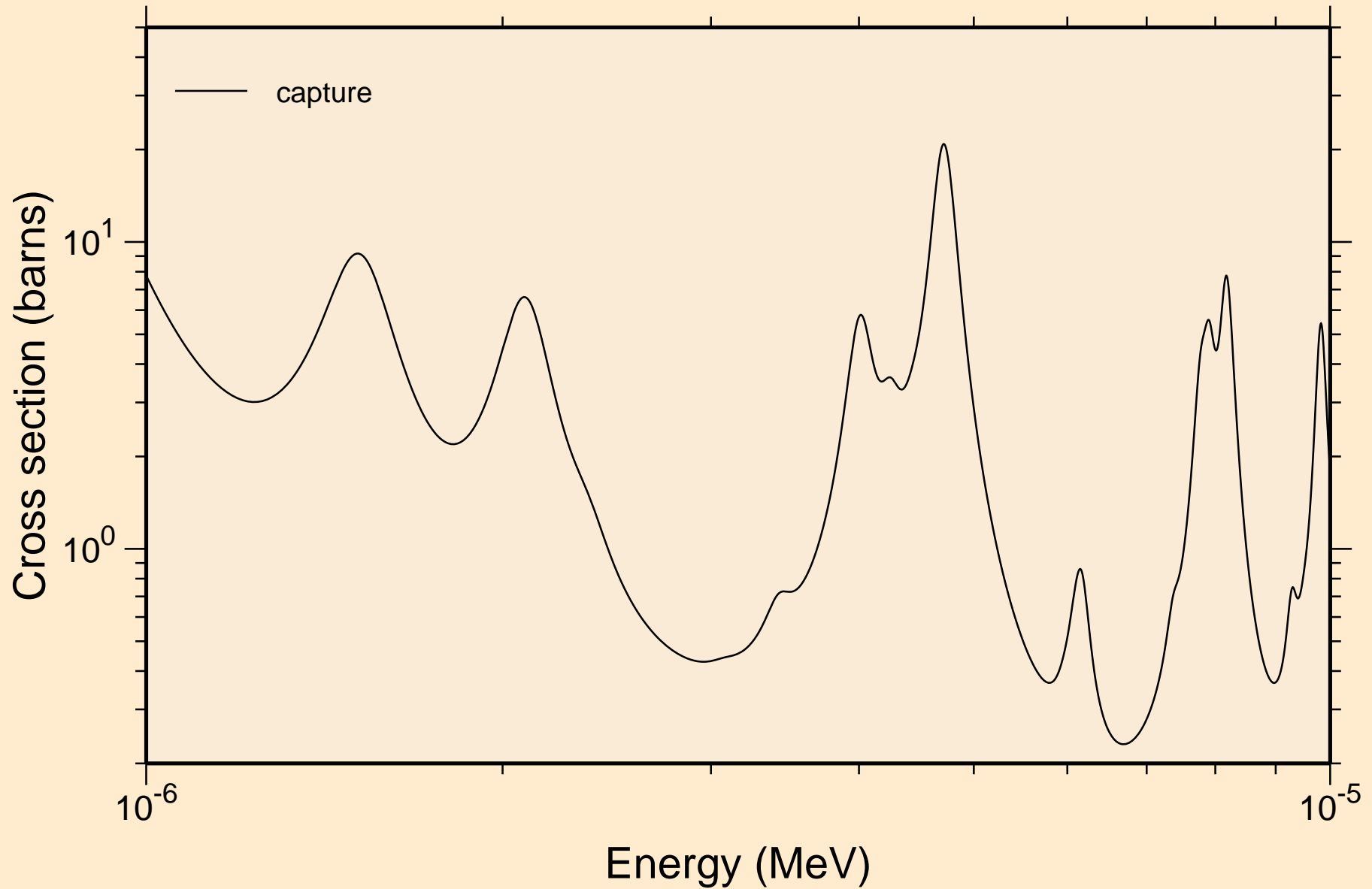
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



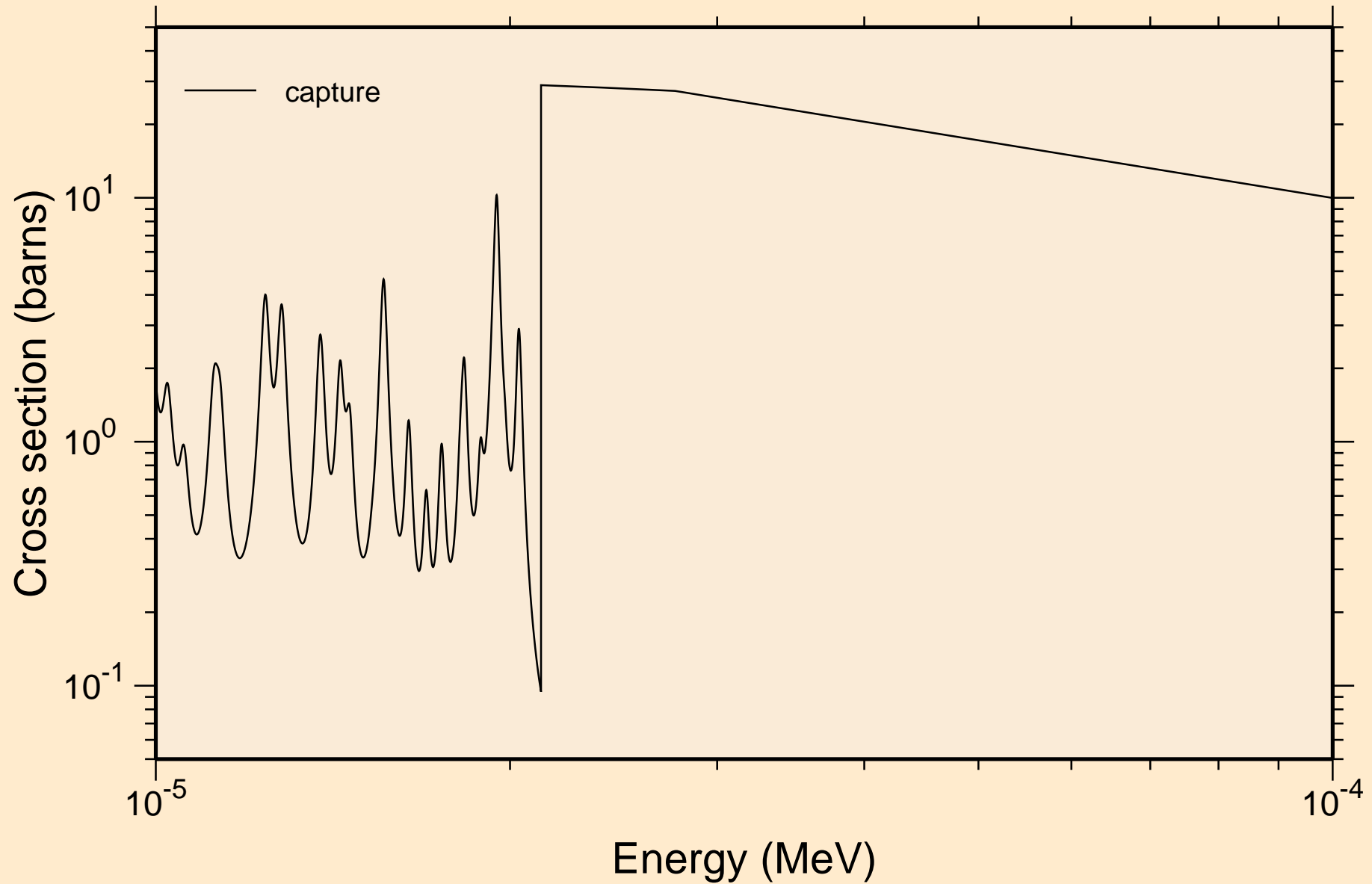
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



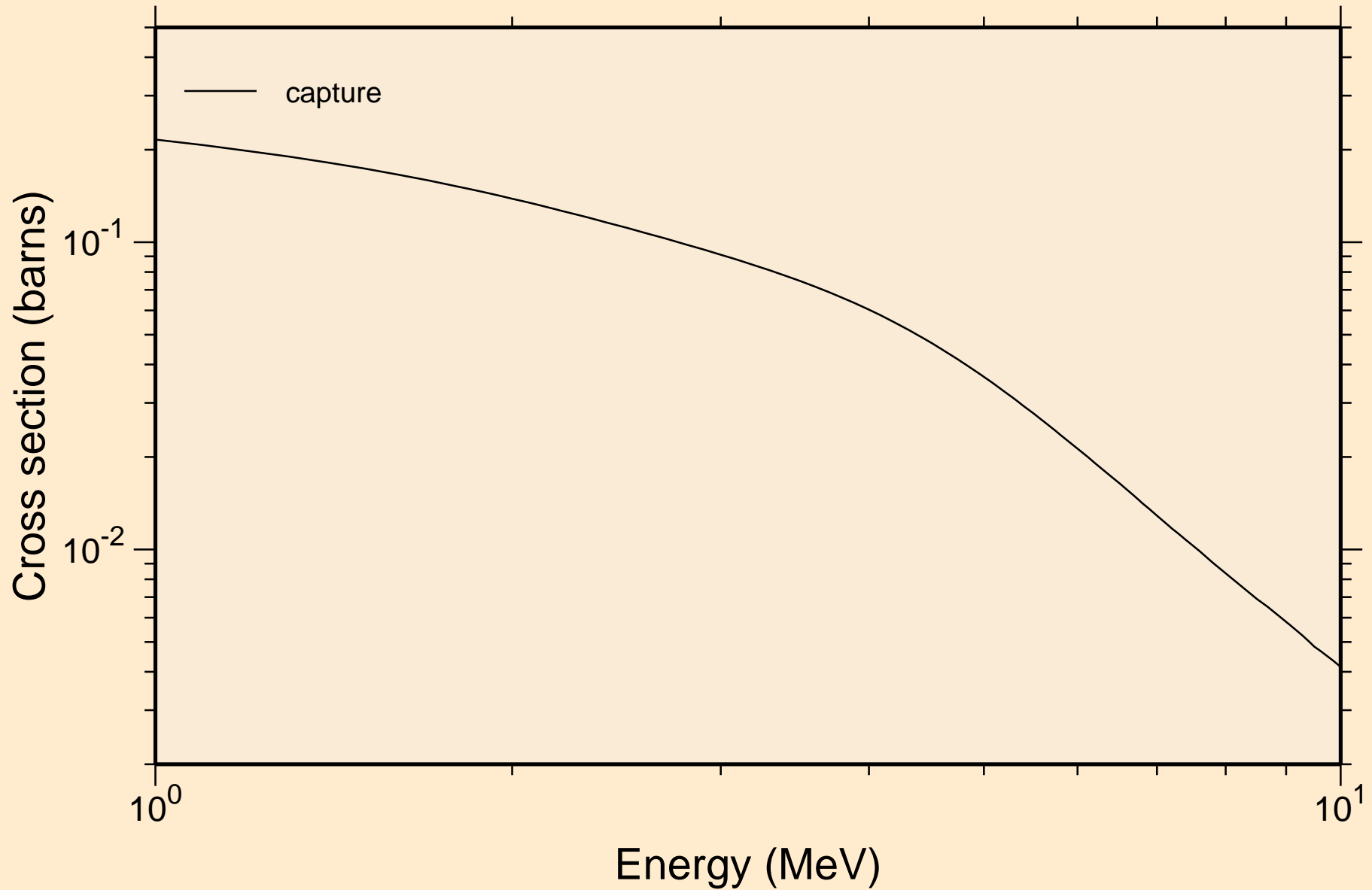
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



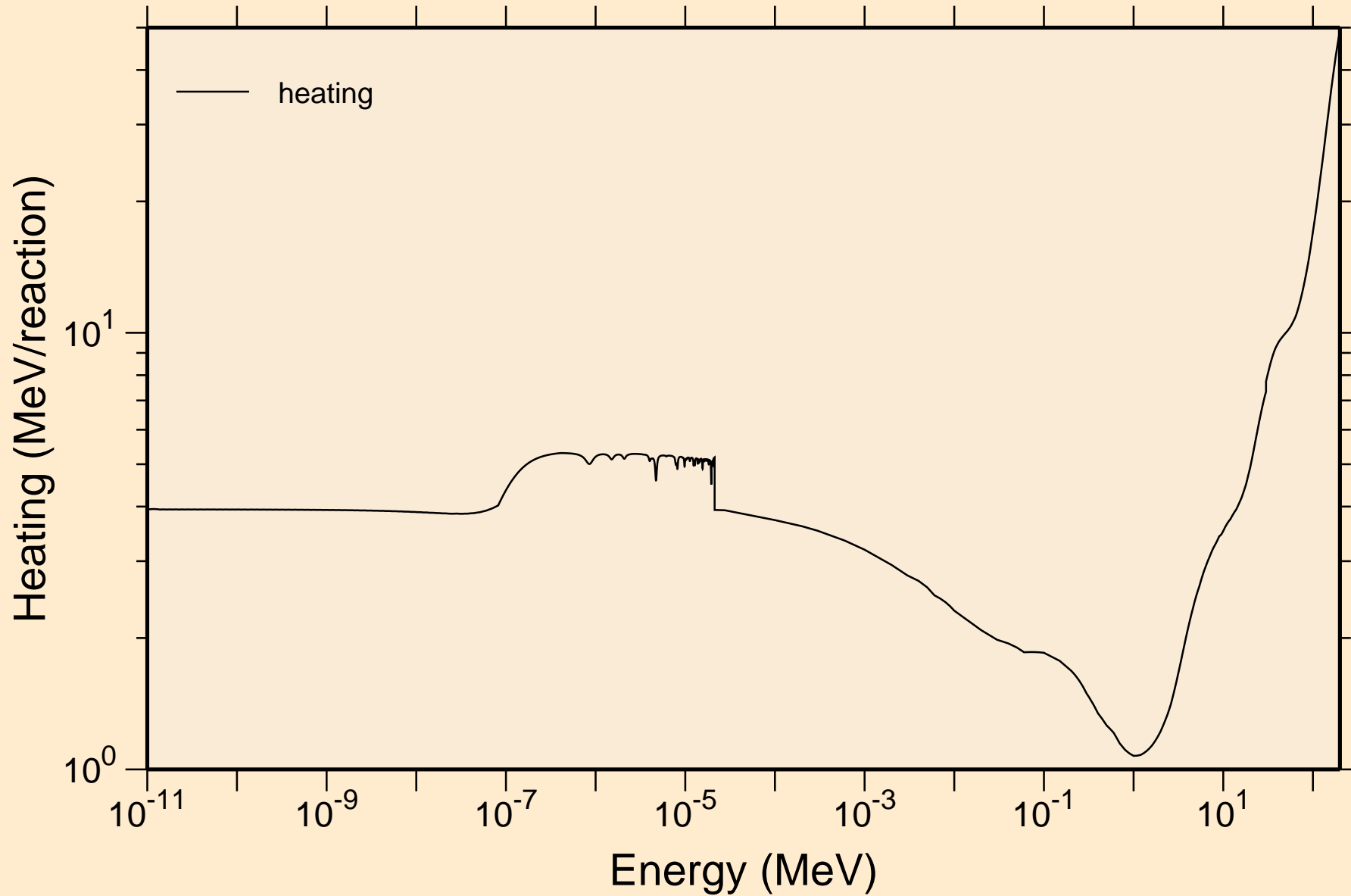
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resonance absorption cross sections



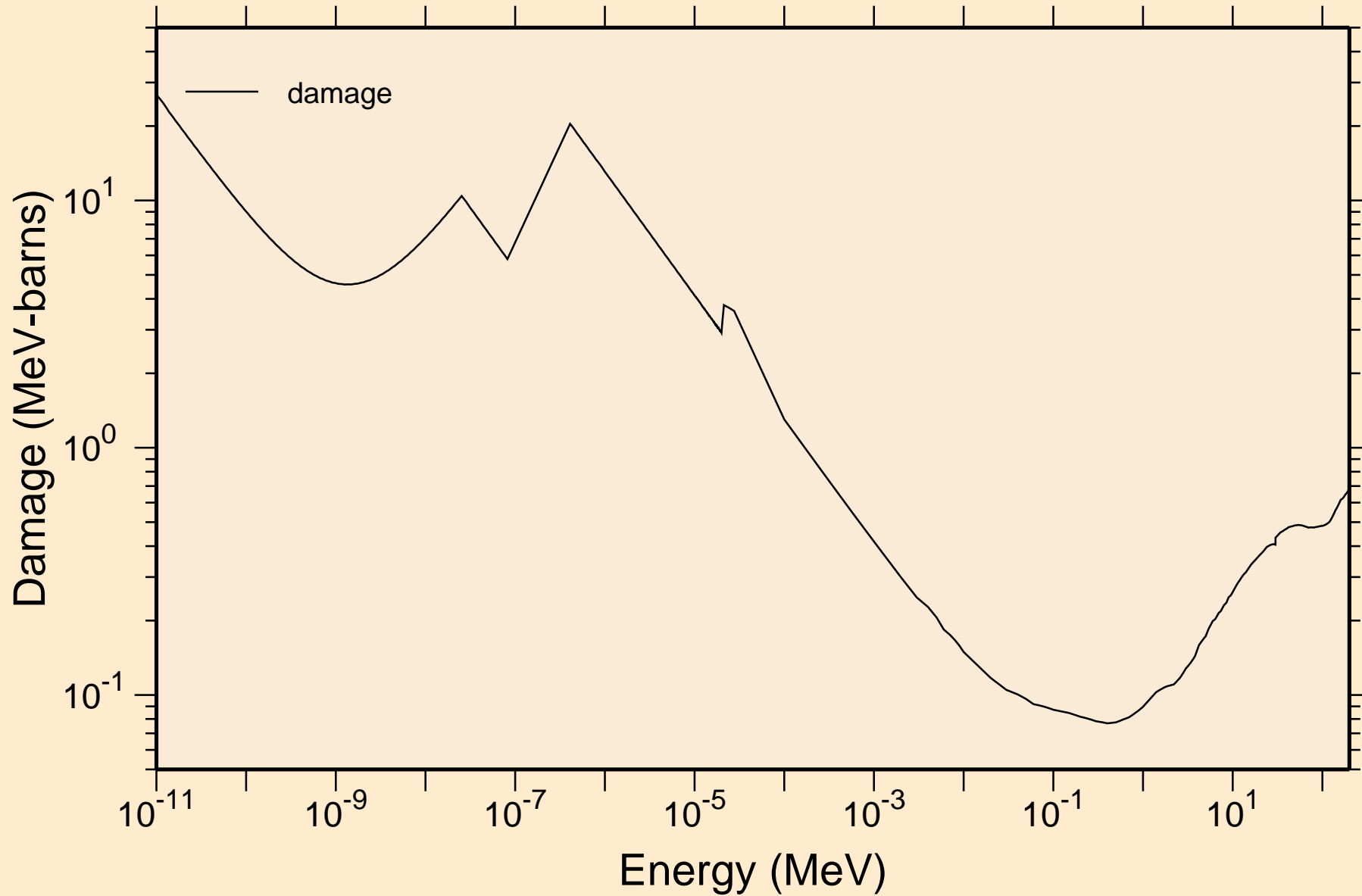


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

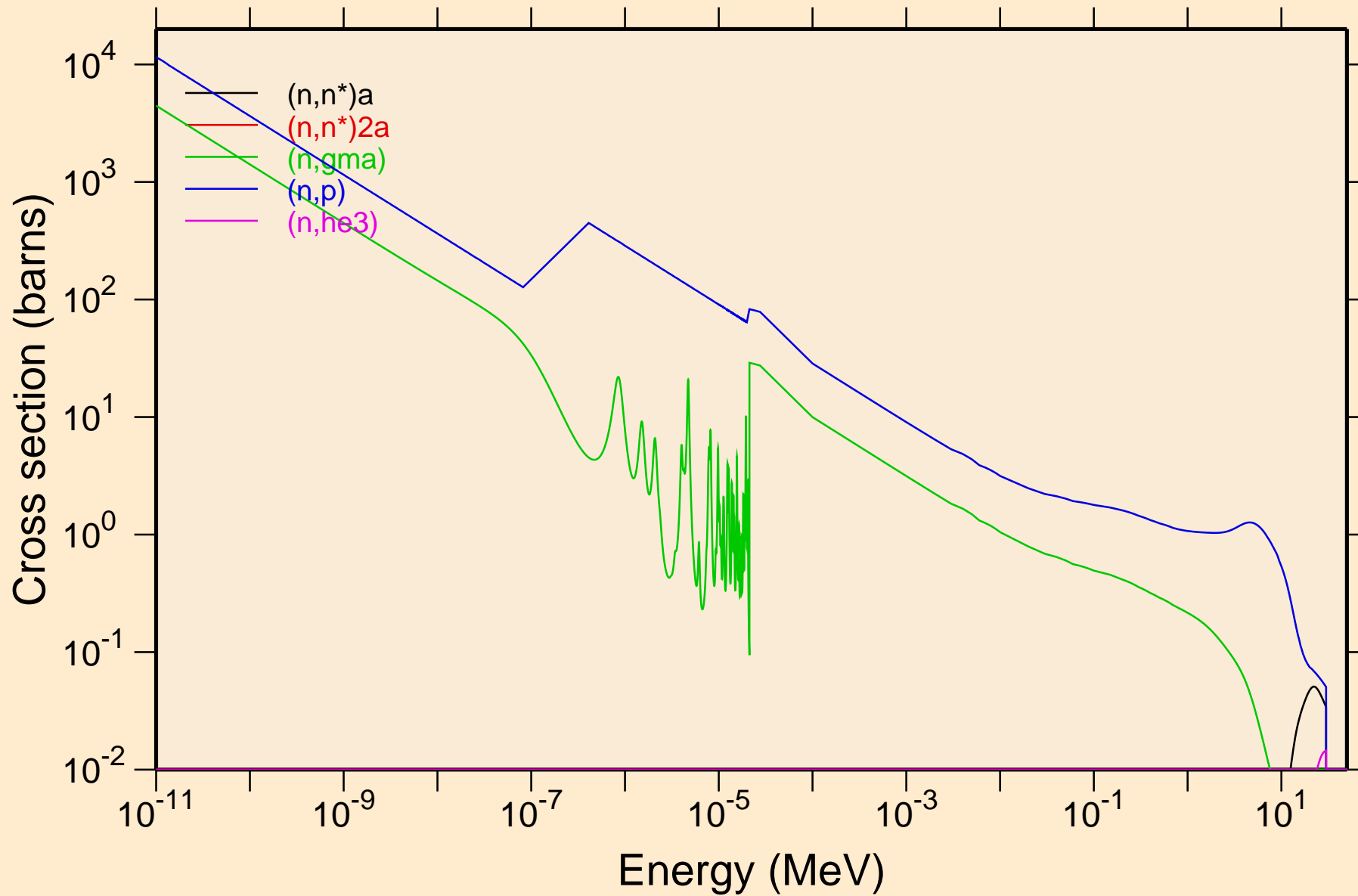
## Heating



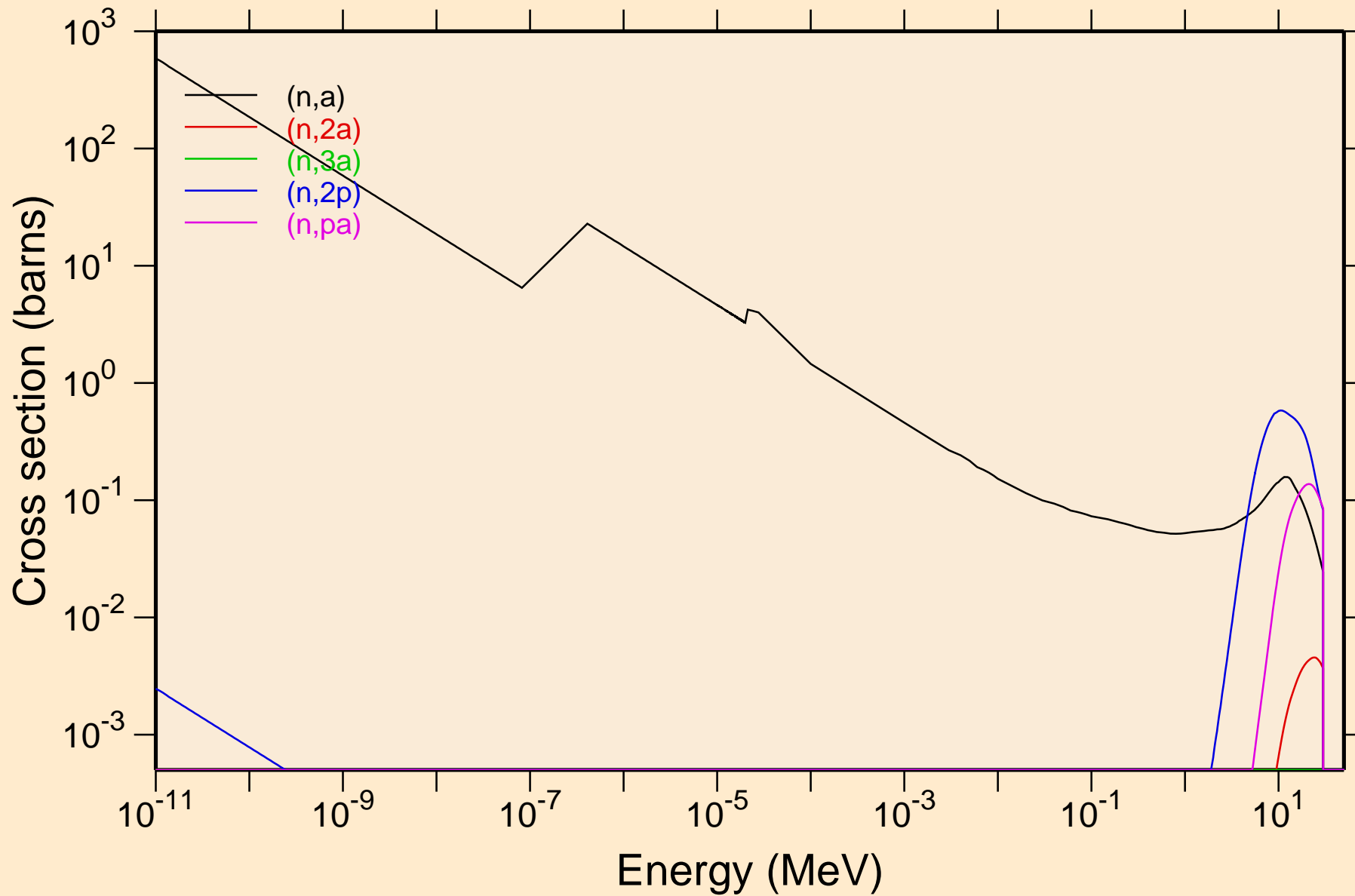
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



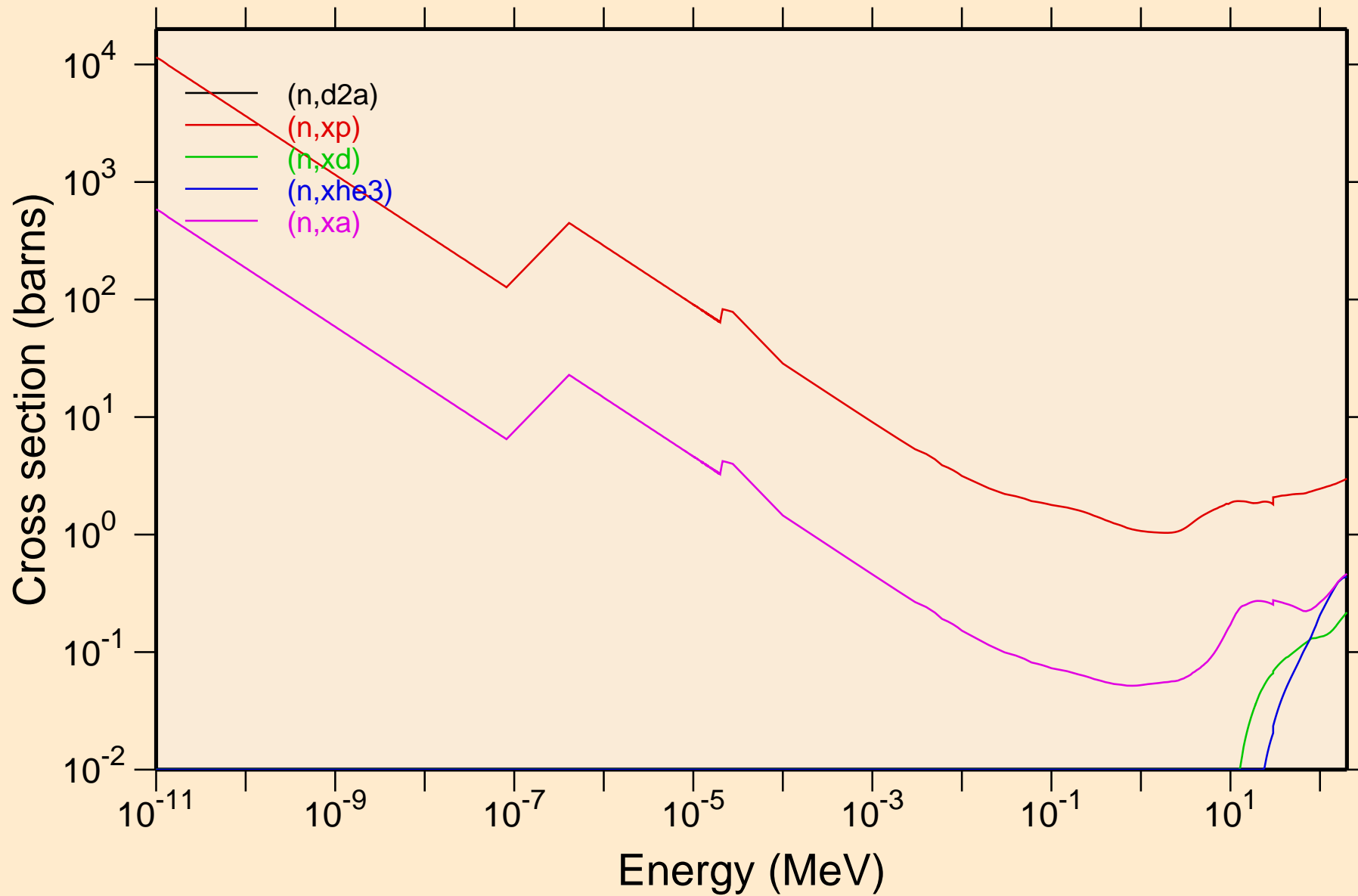
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



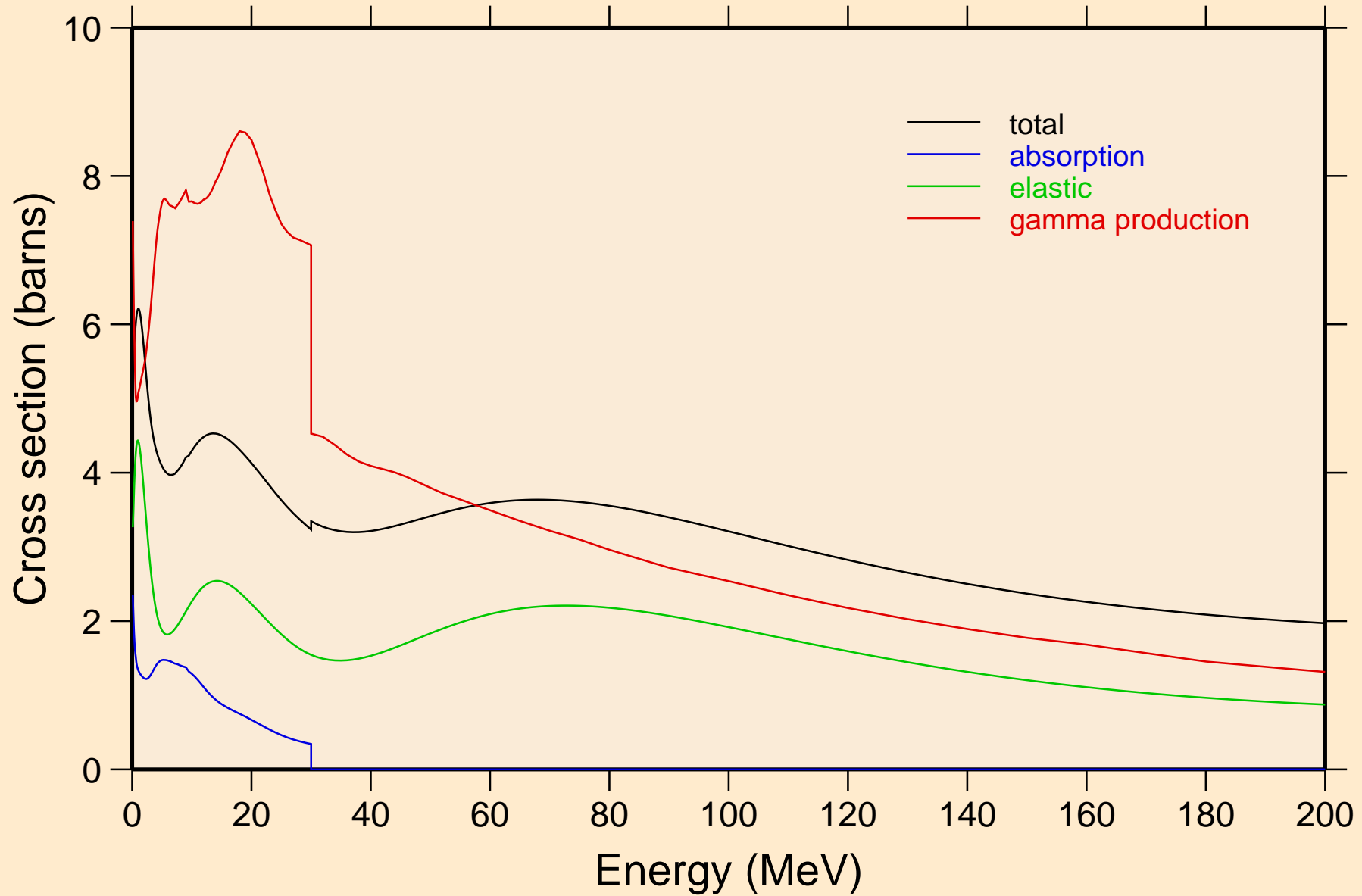
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

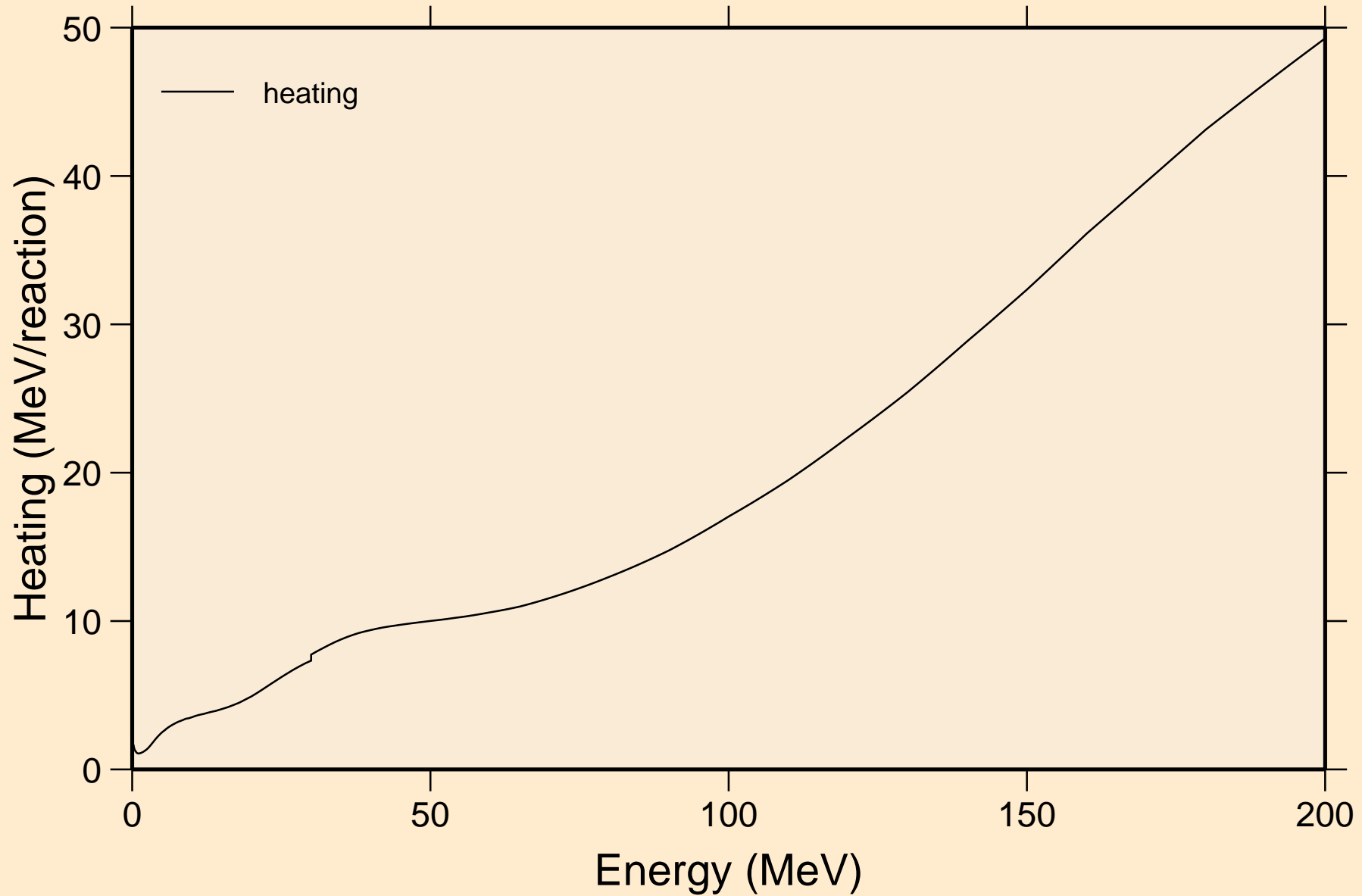


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

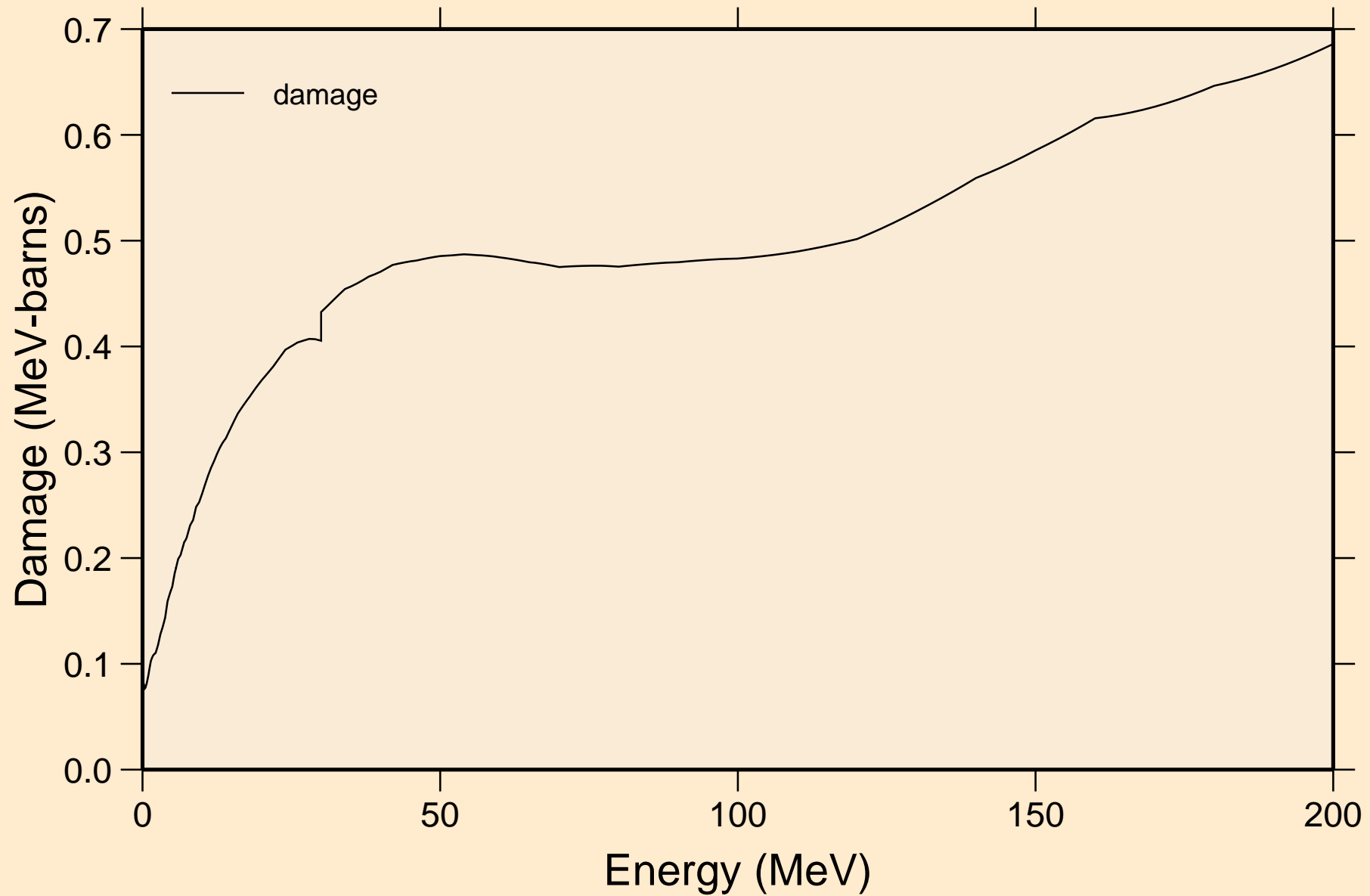


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

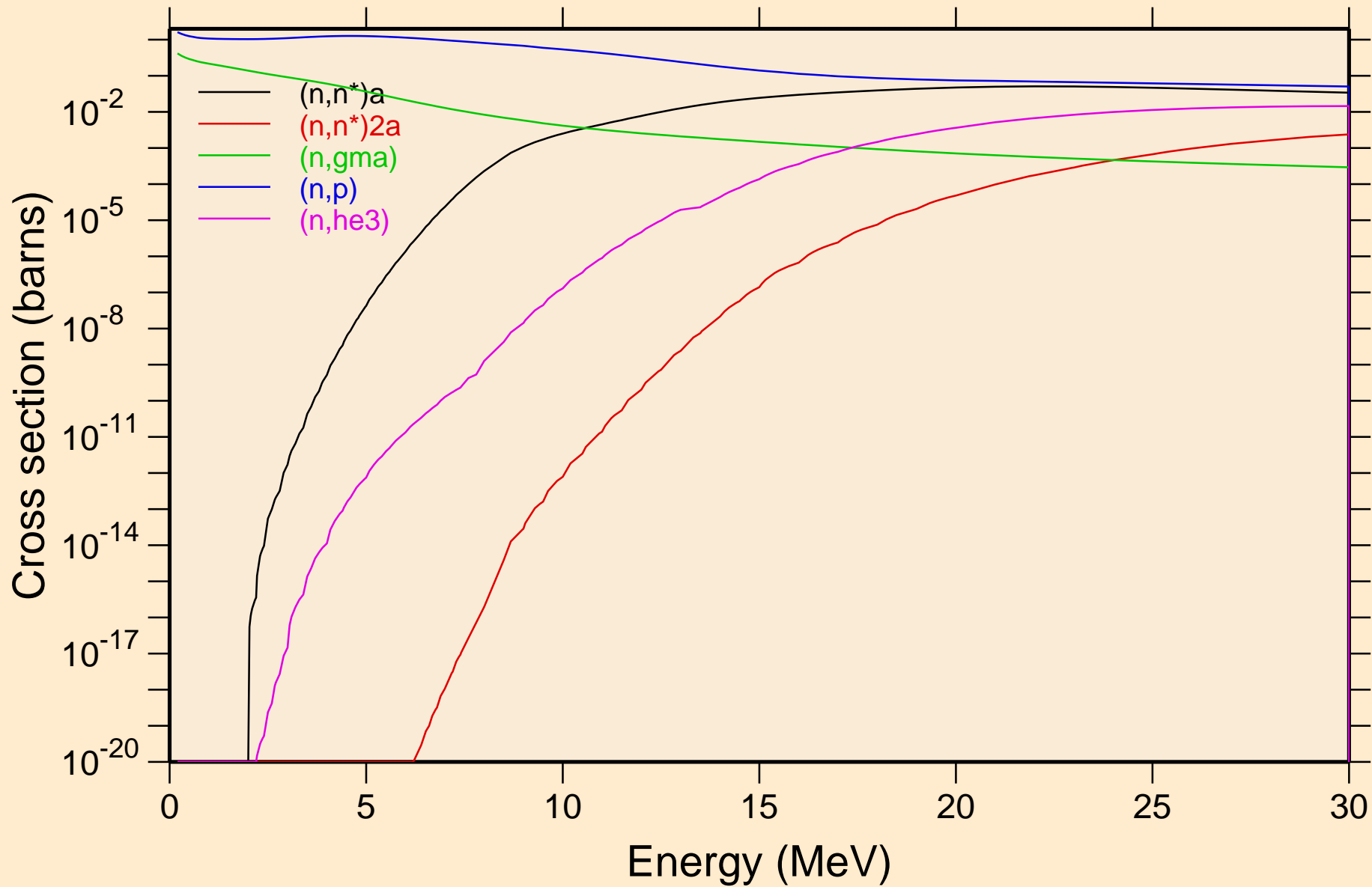


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



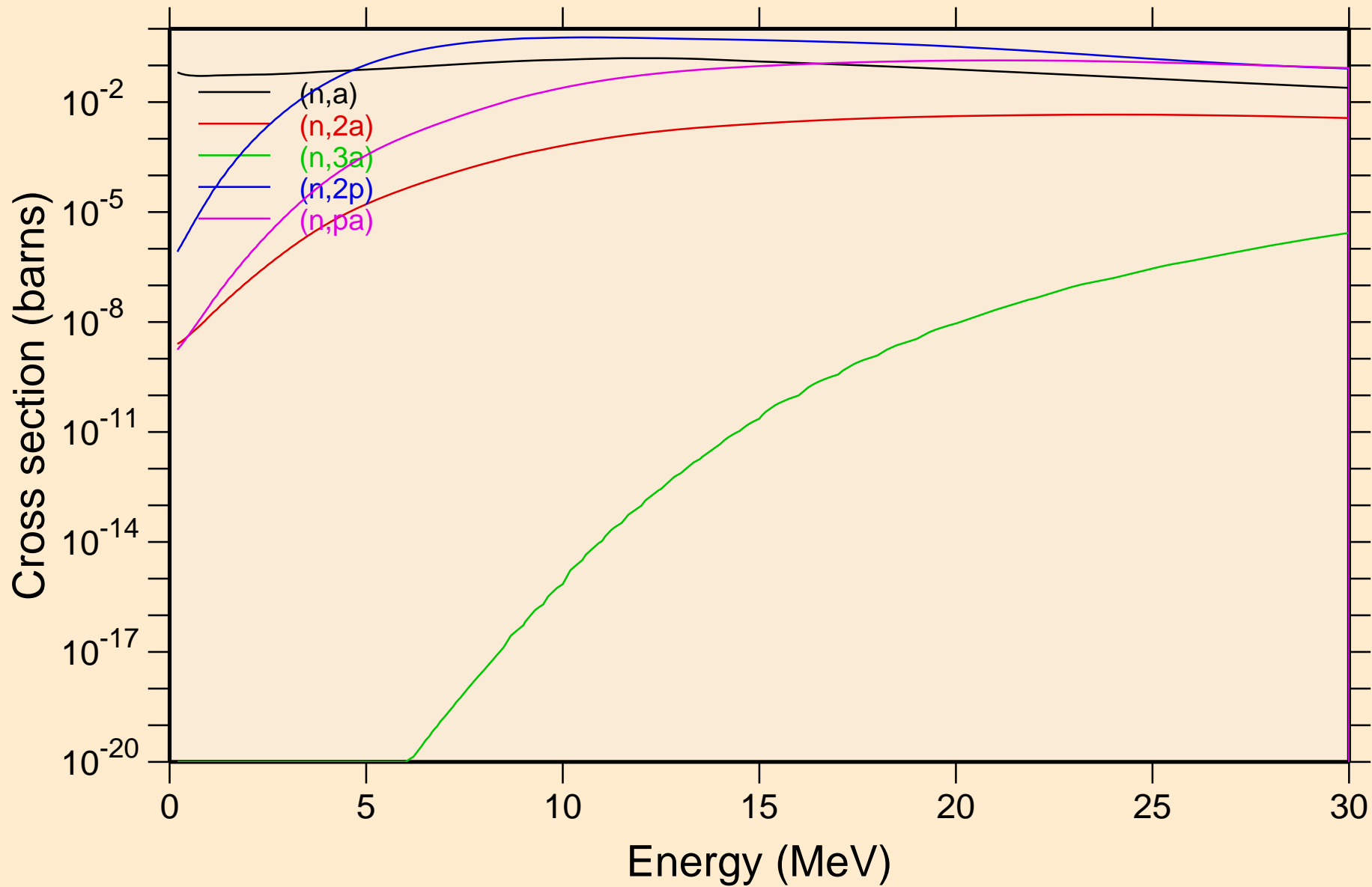


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

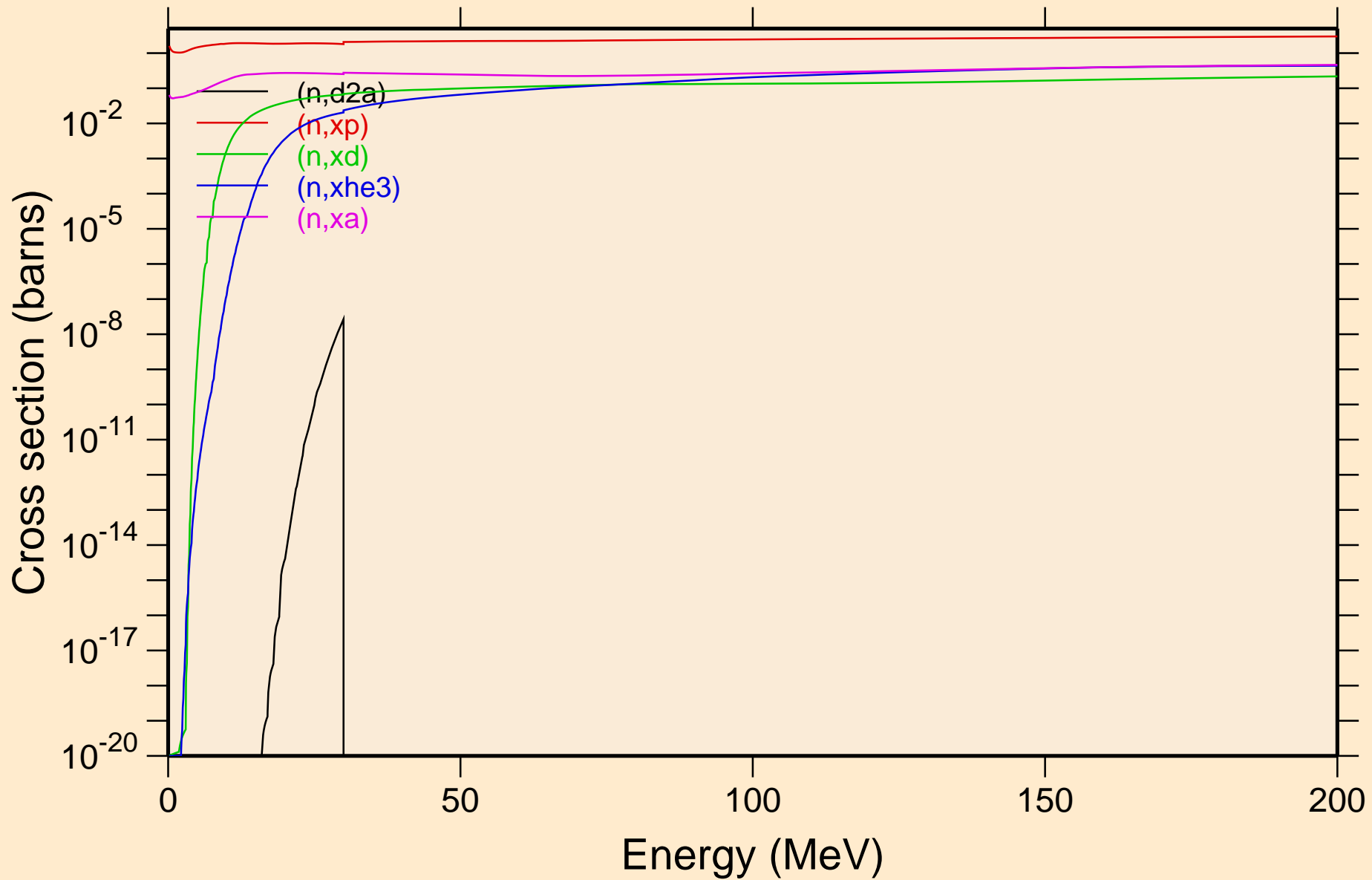


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

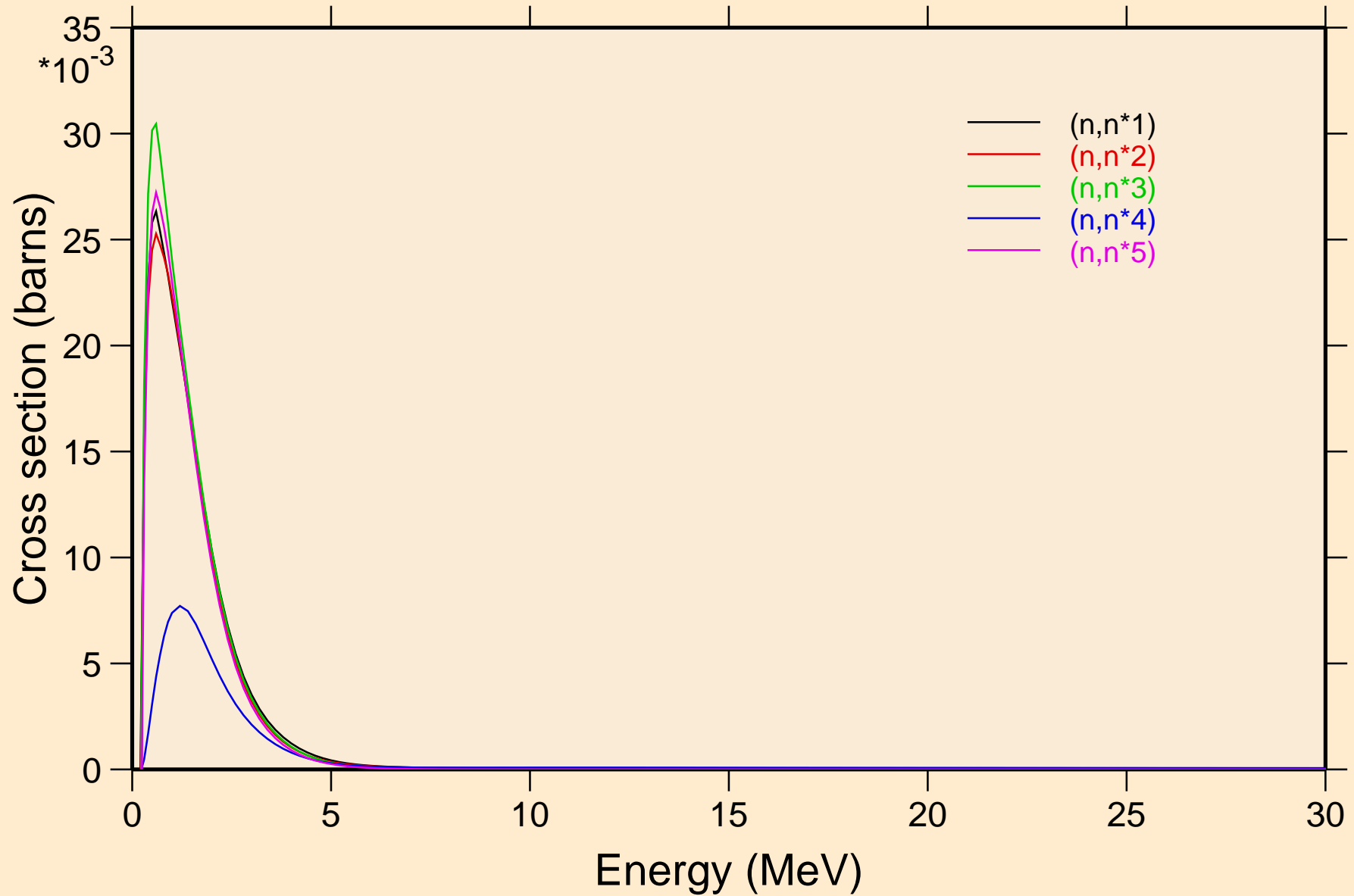
## Non-threshold reactions



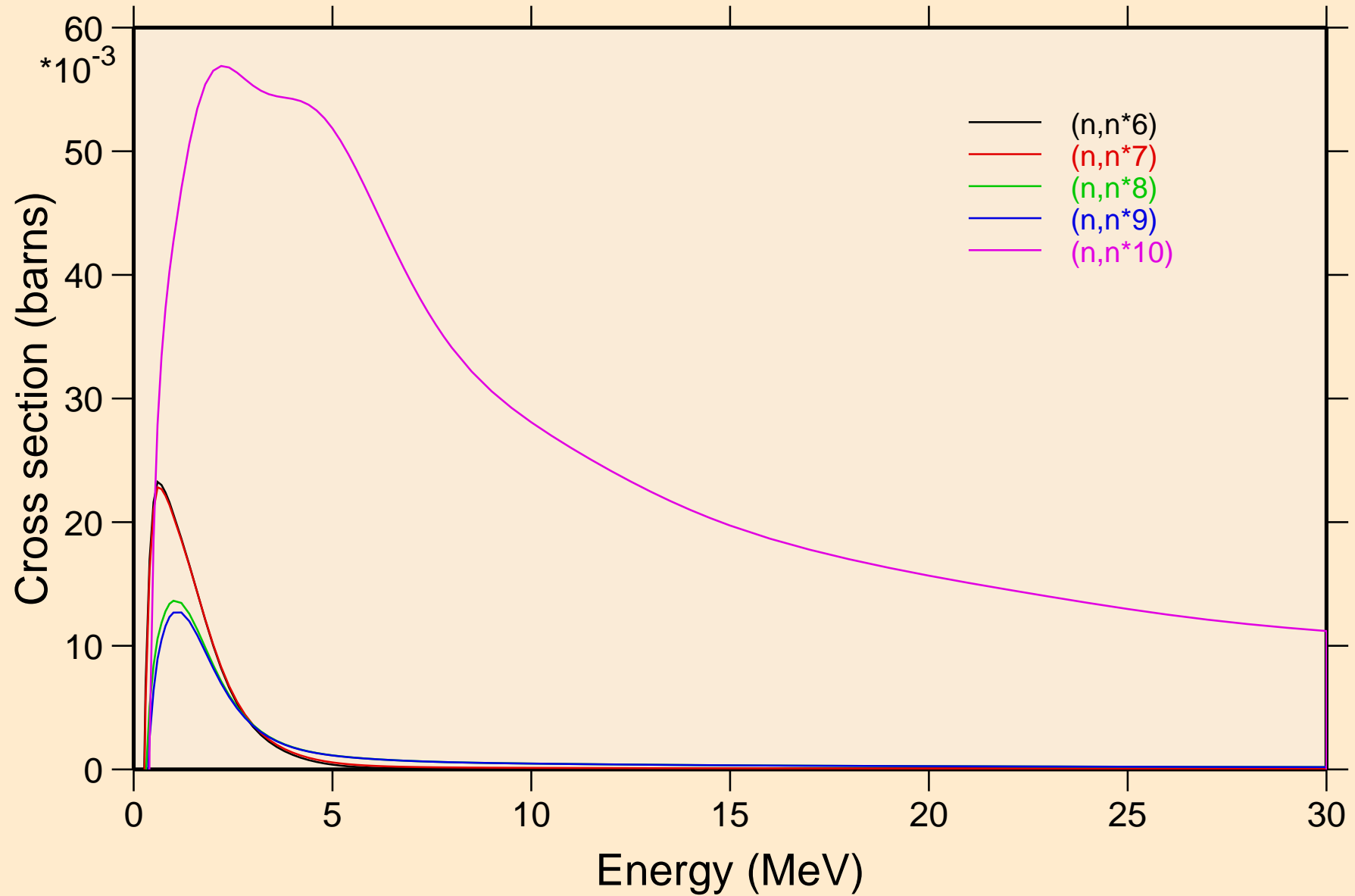
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



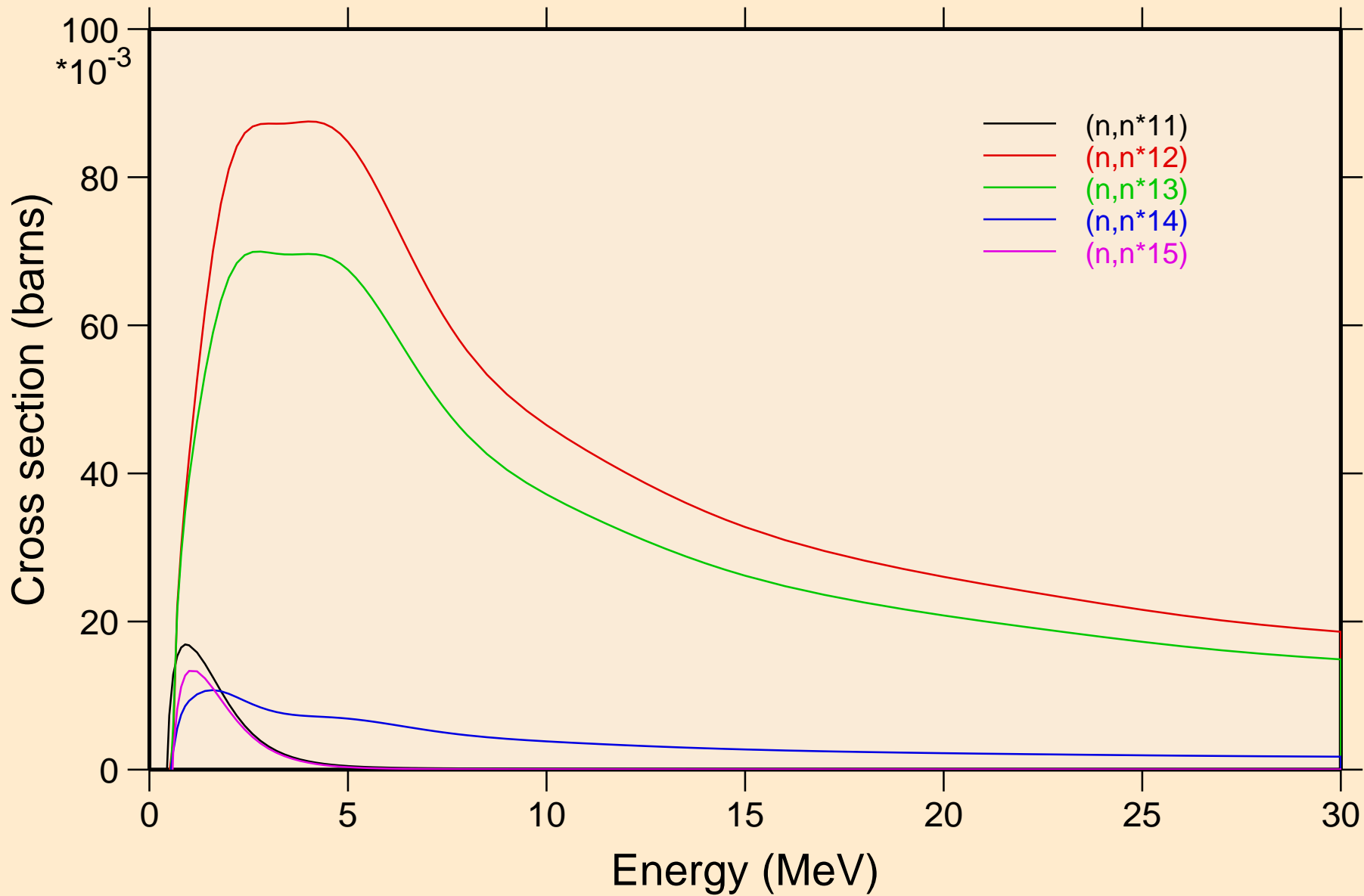
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



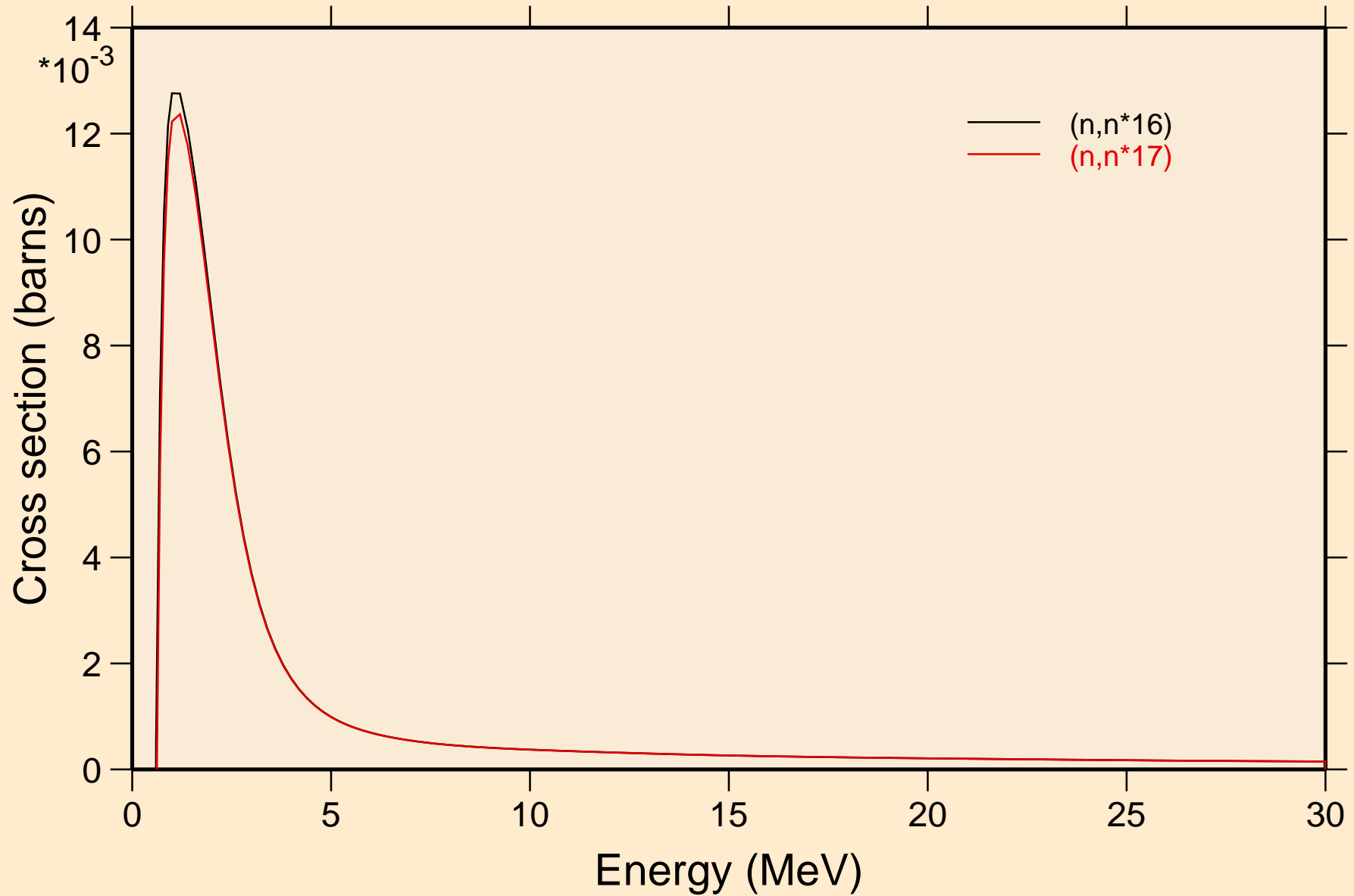
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

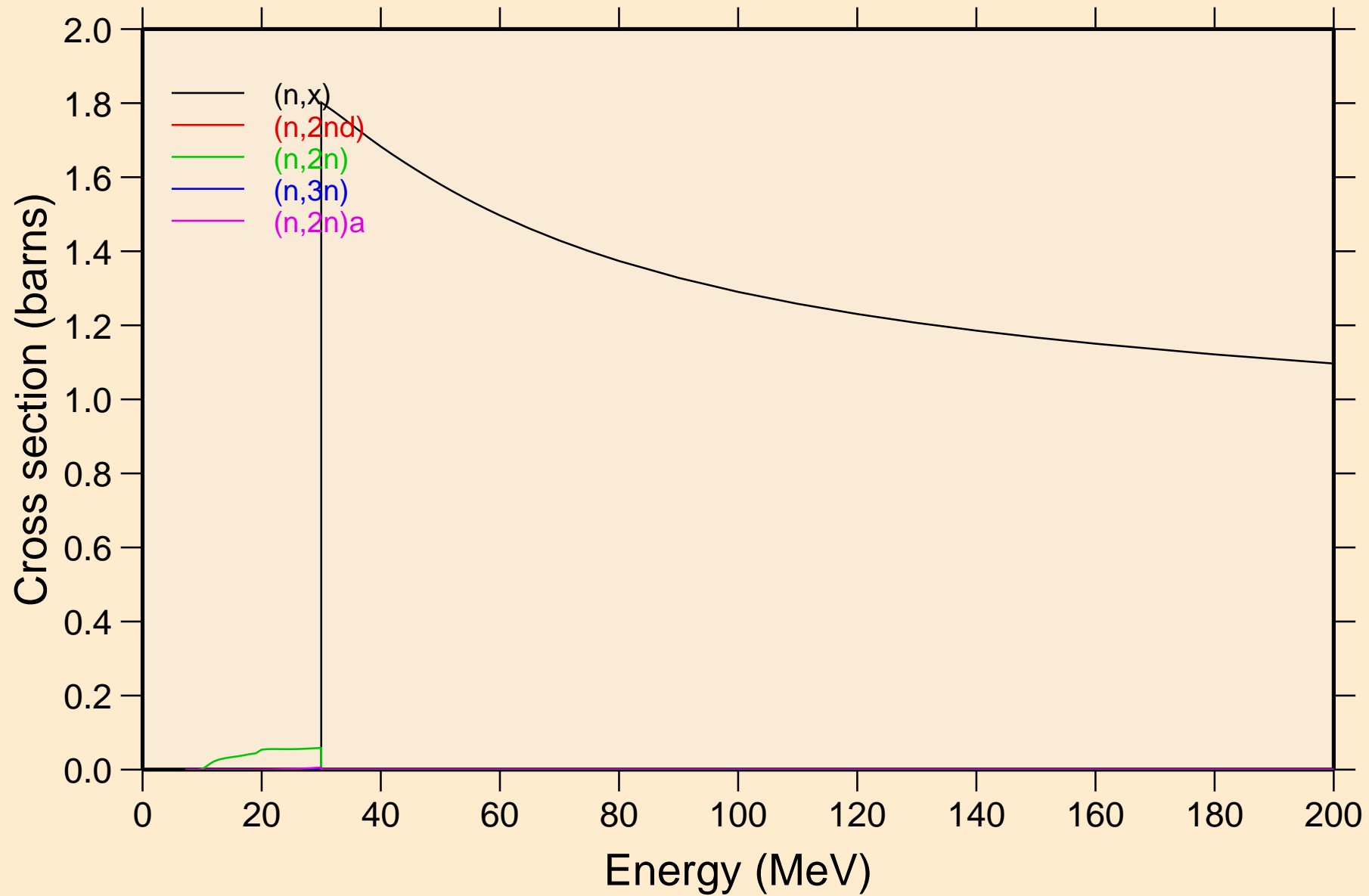


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



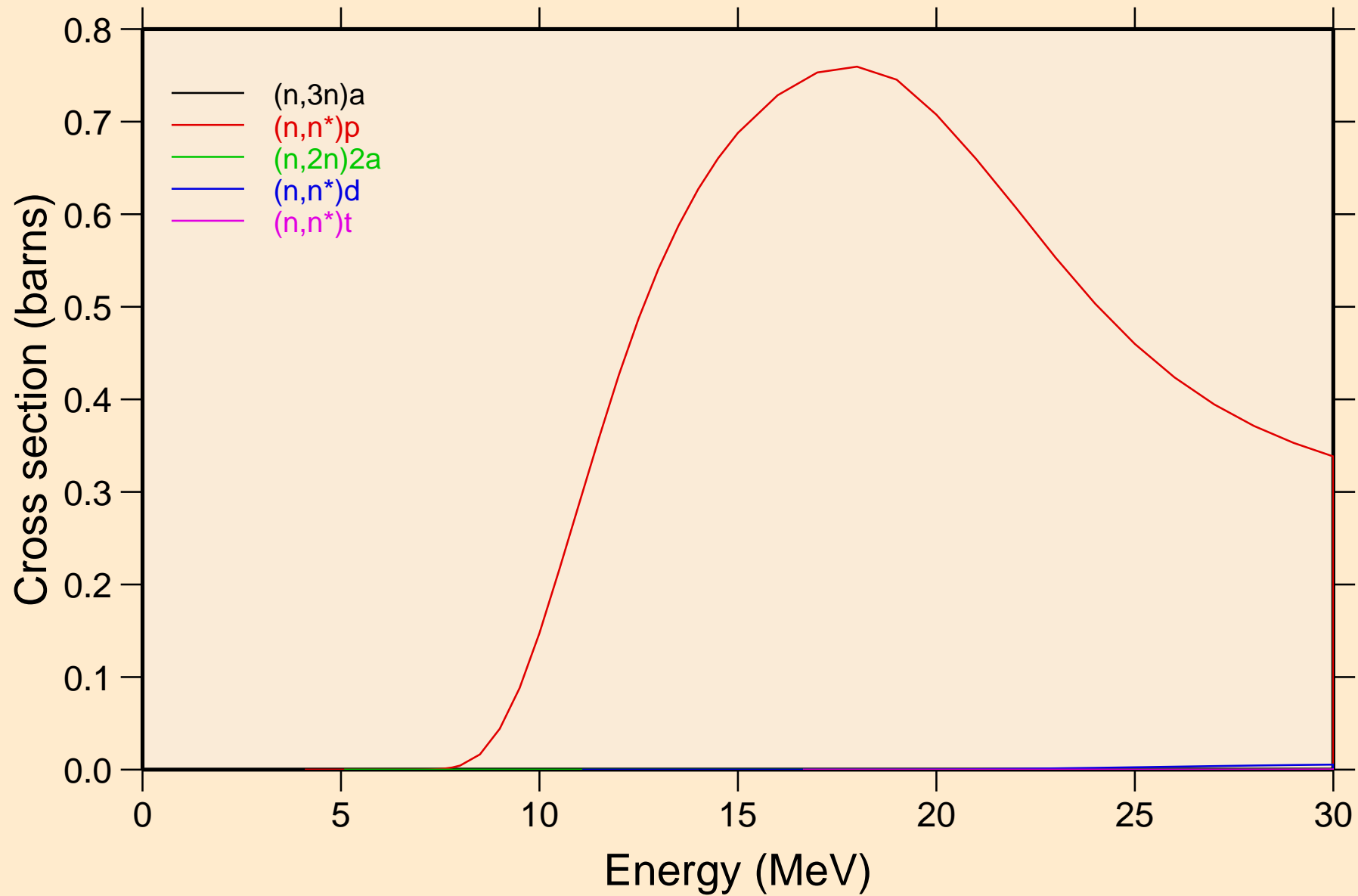
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## Threshold reactions

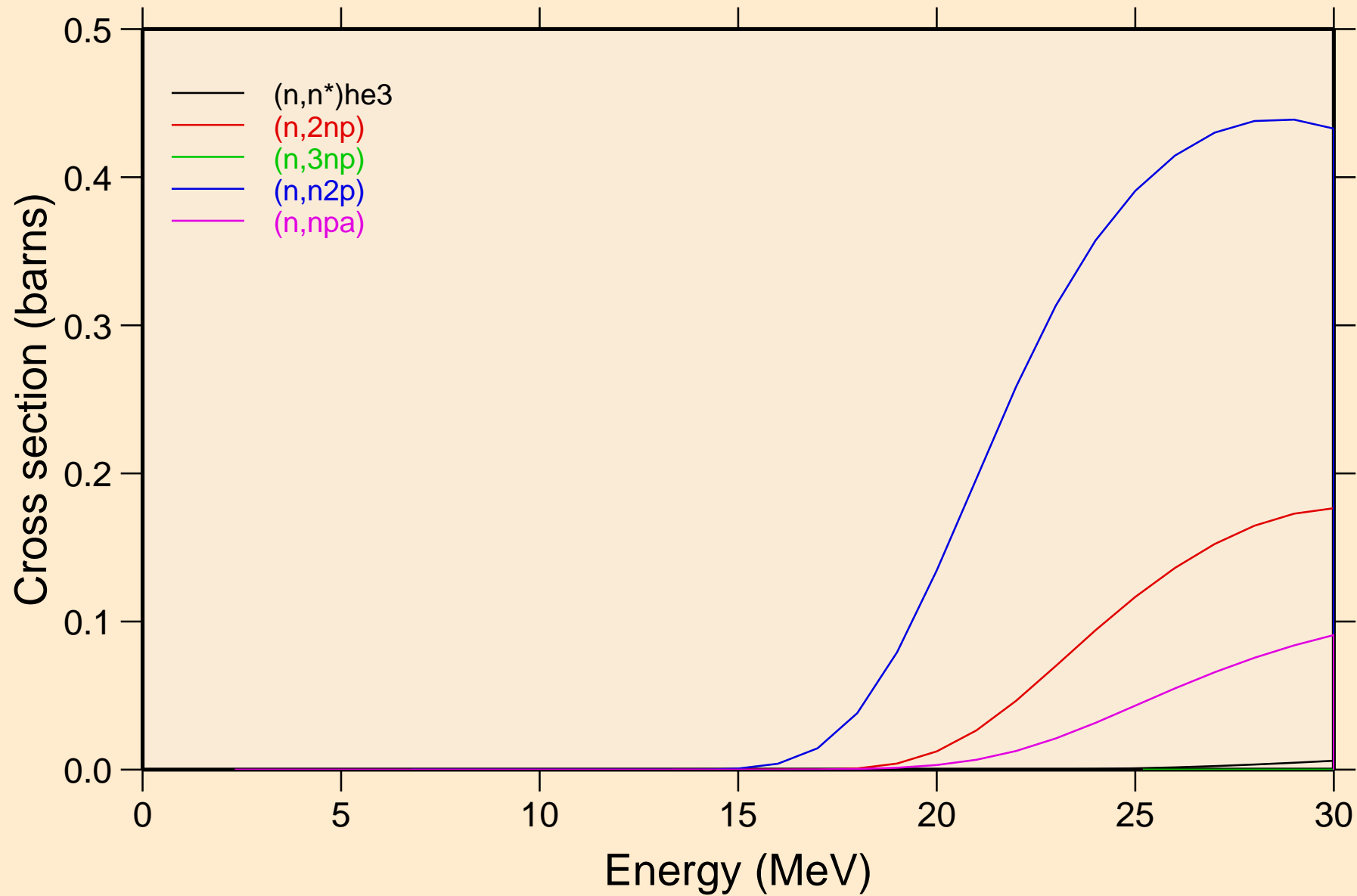




XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

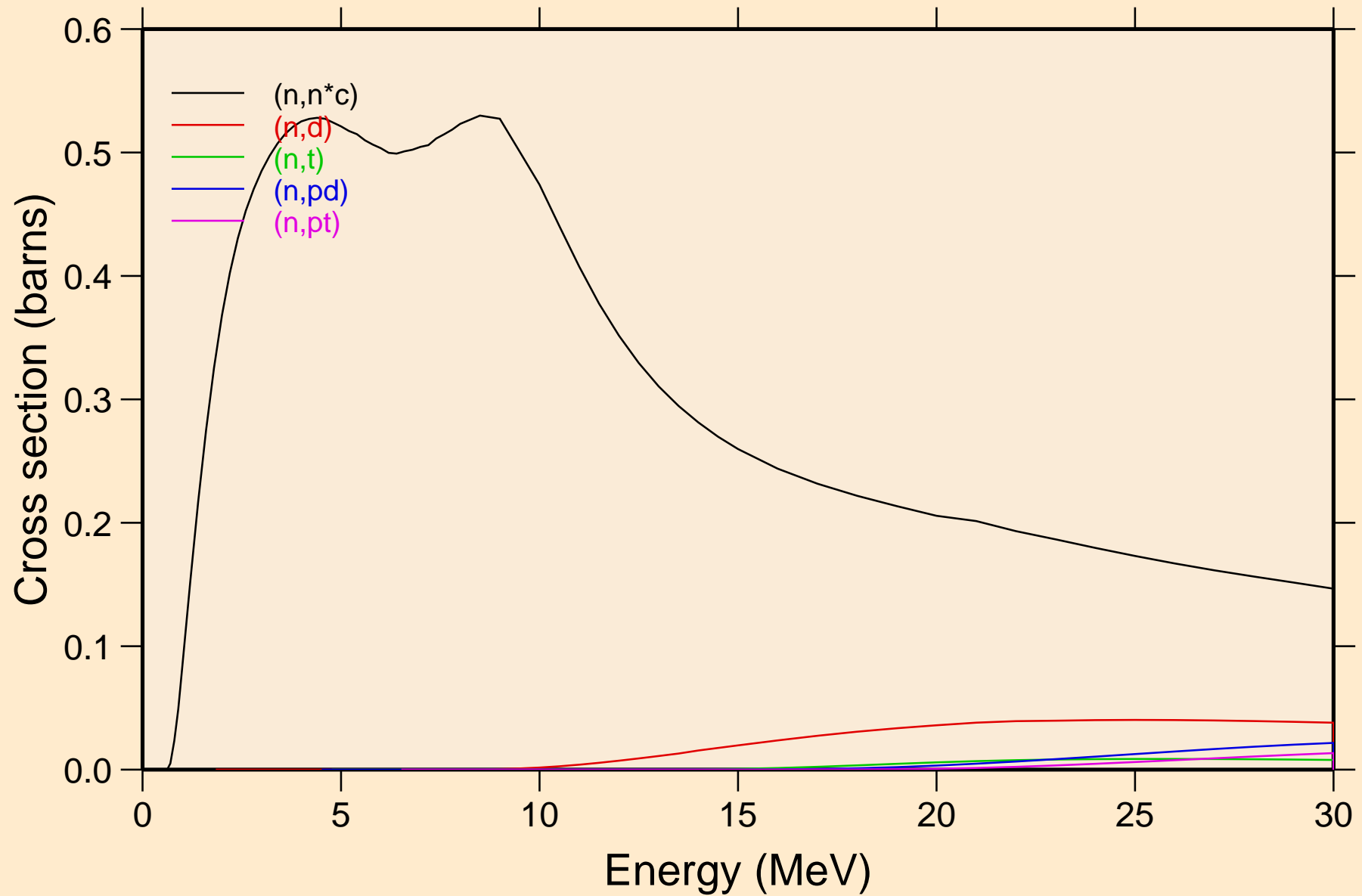


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

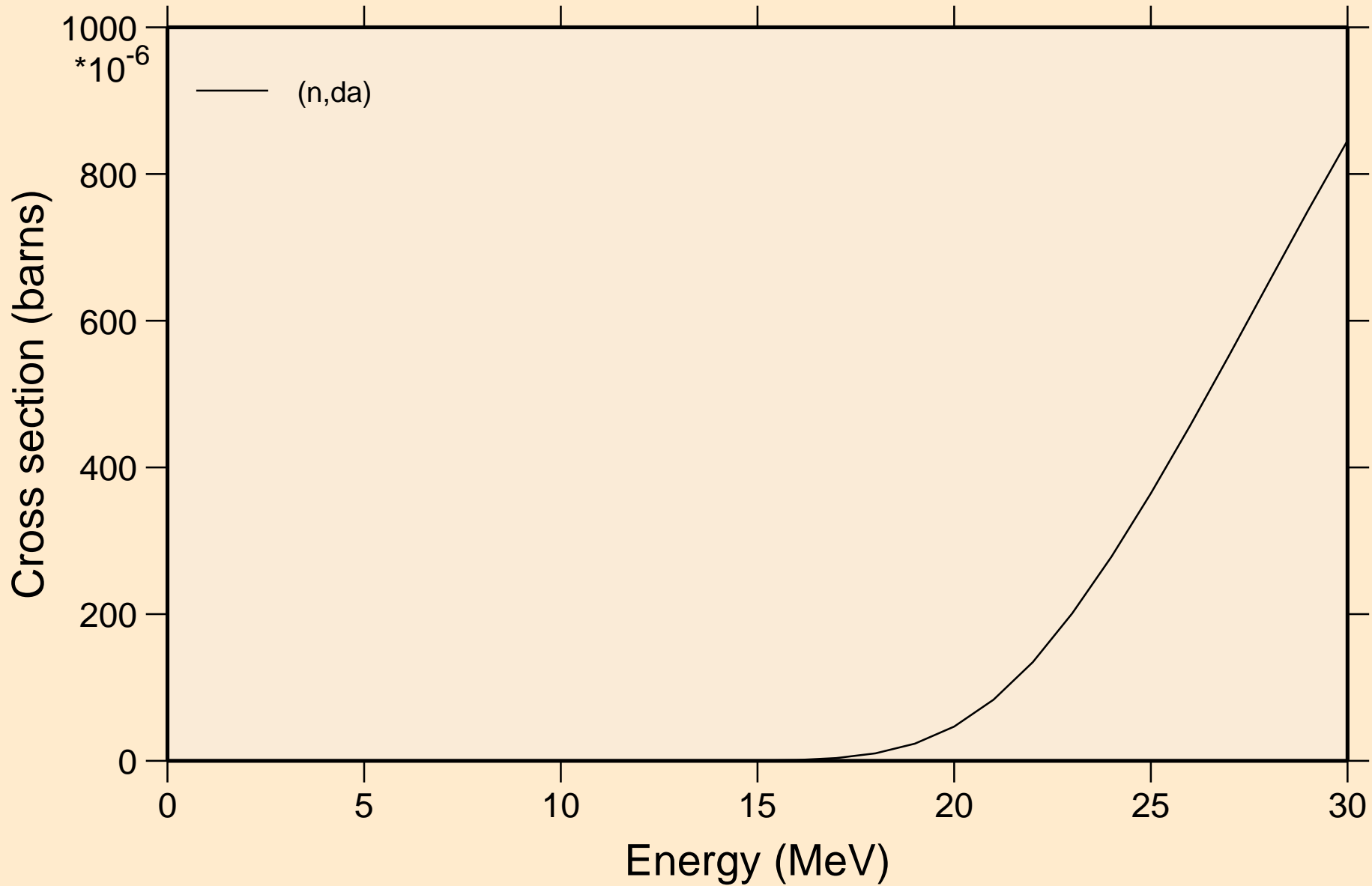


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

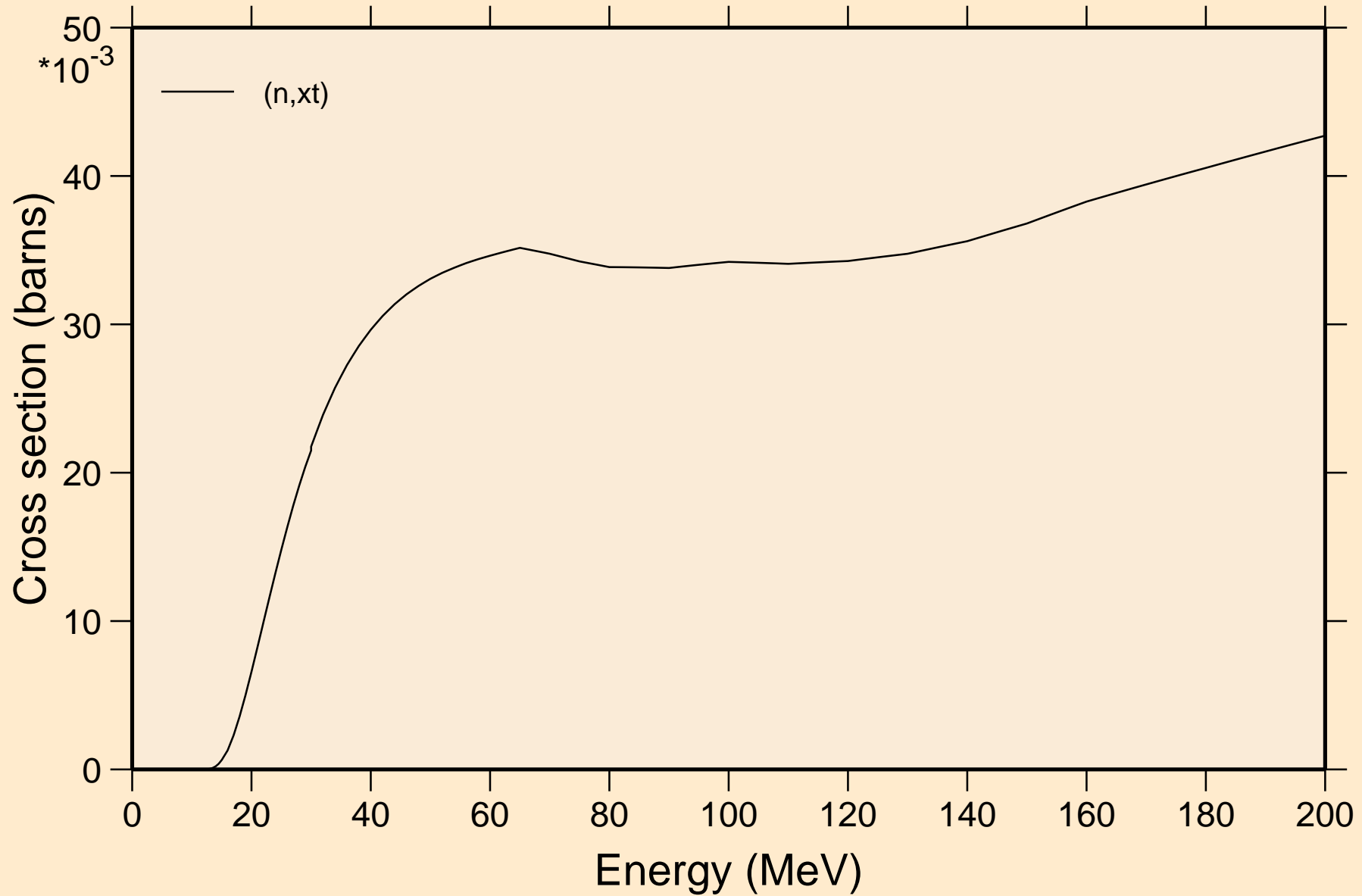
## Threshold reactions



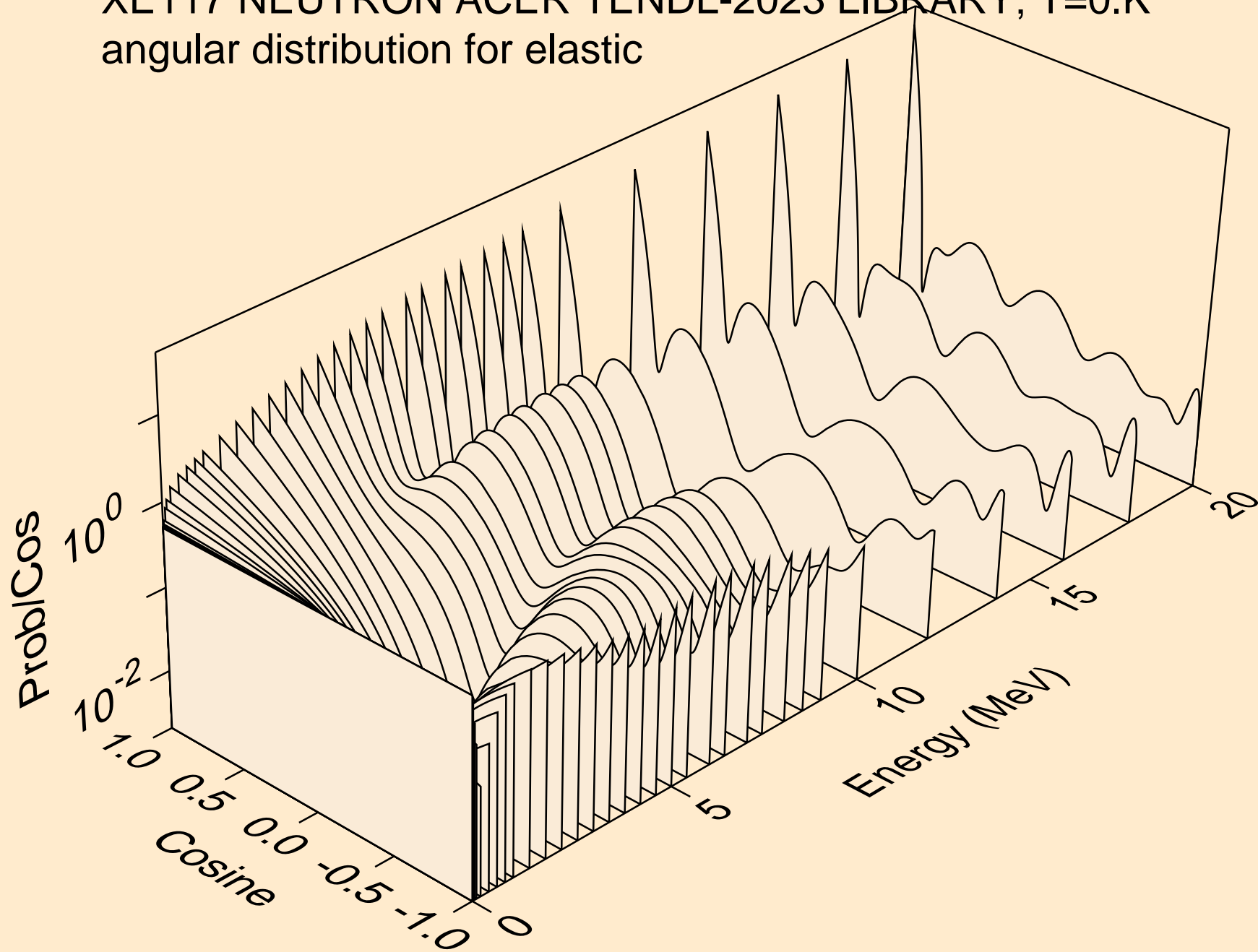
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



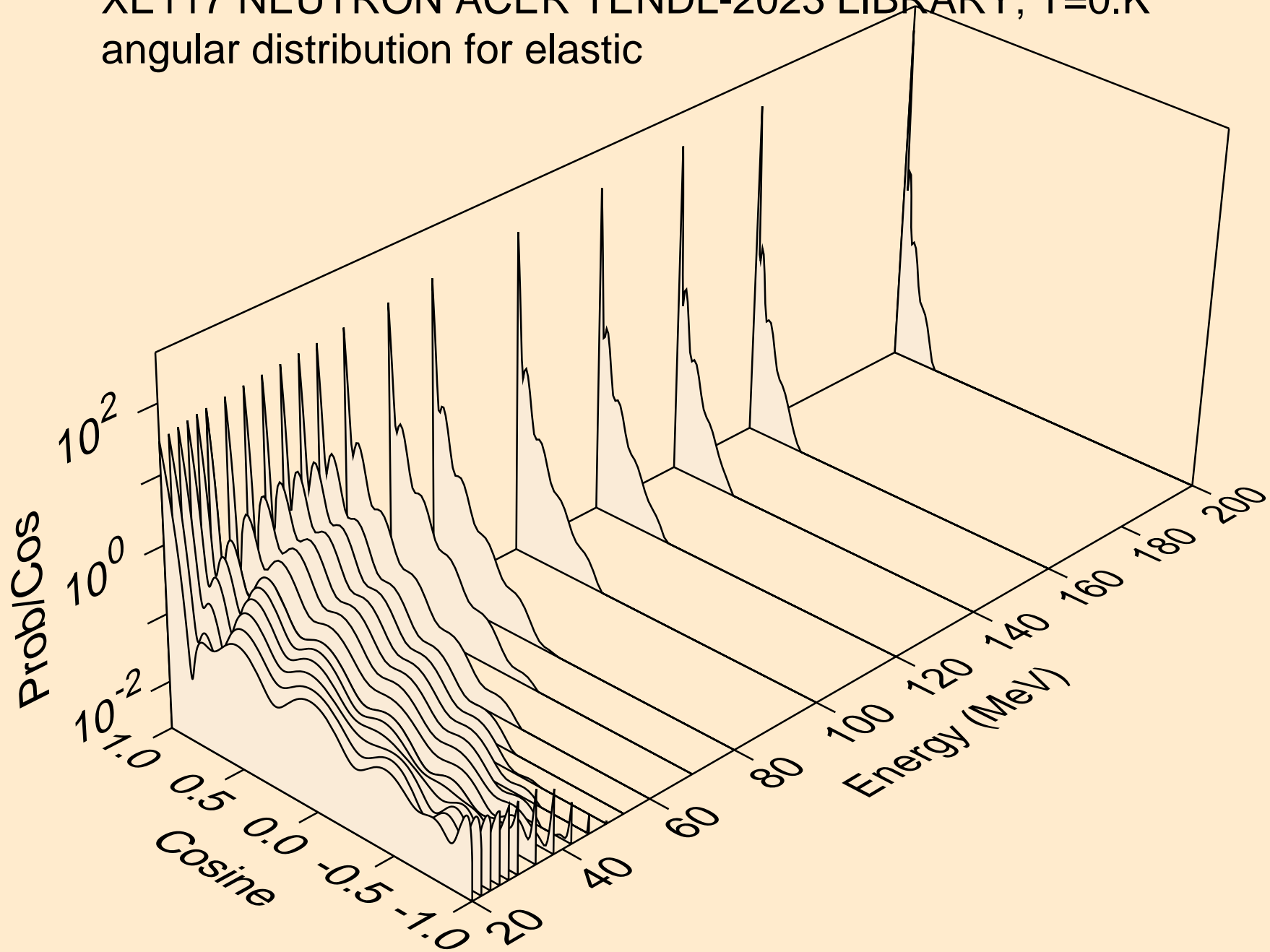
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



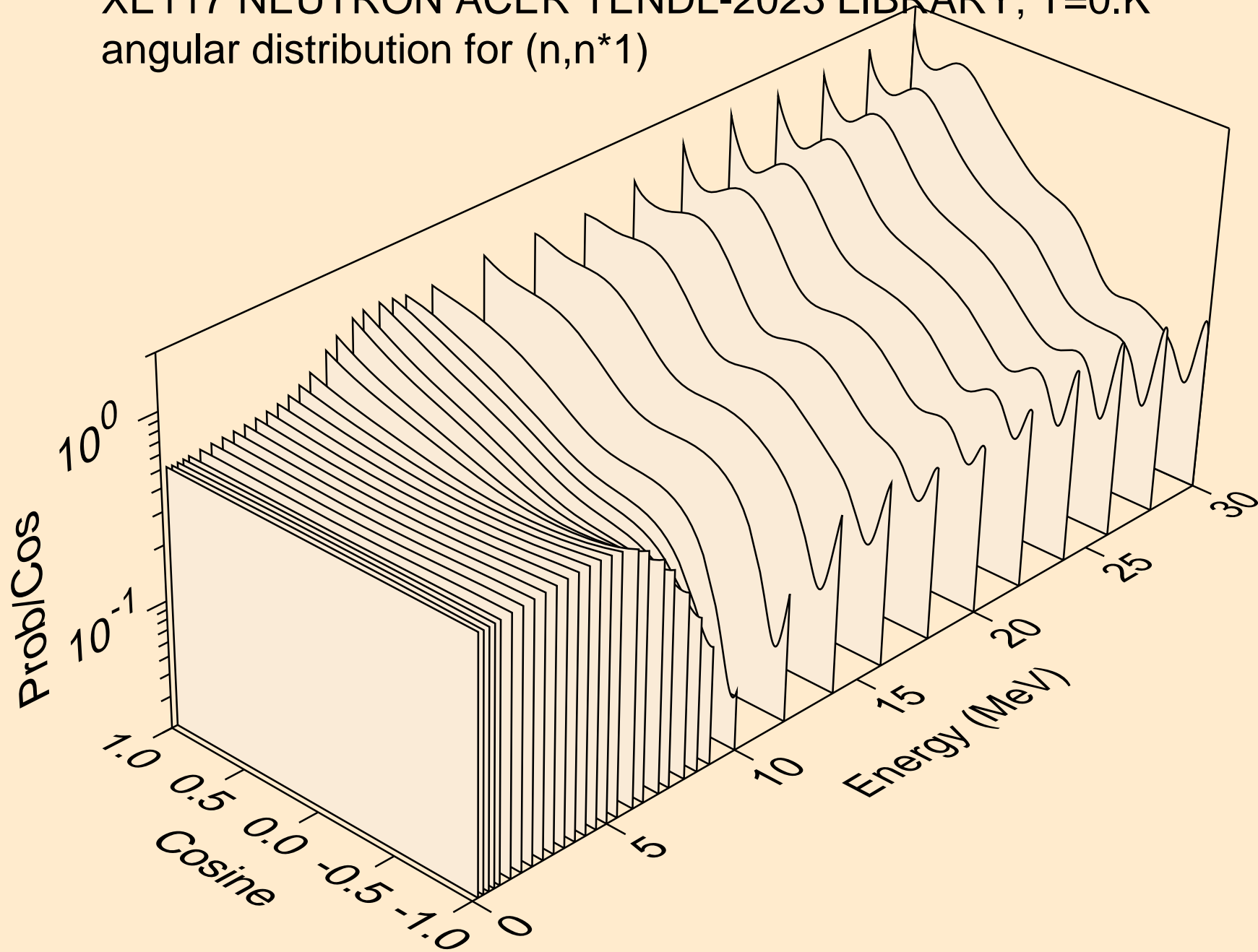
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

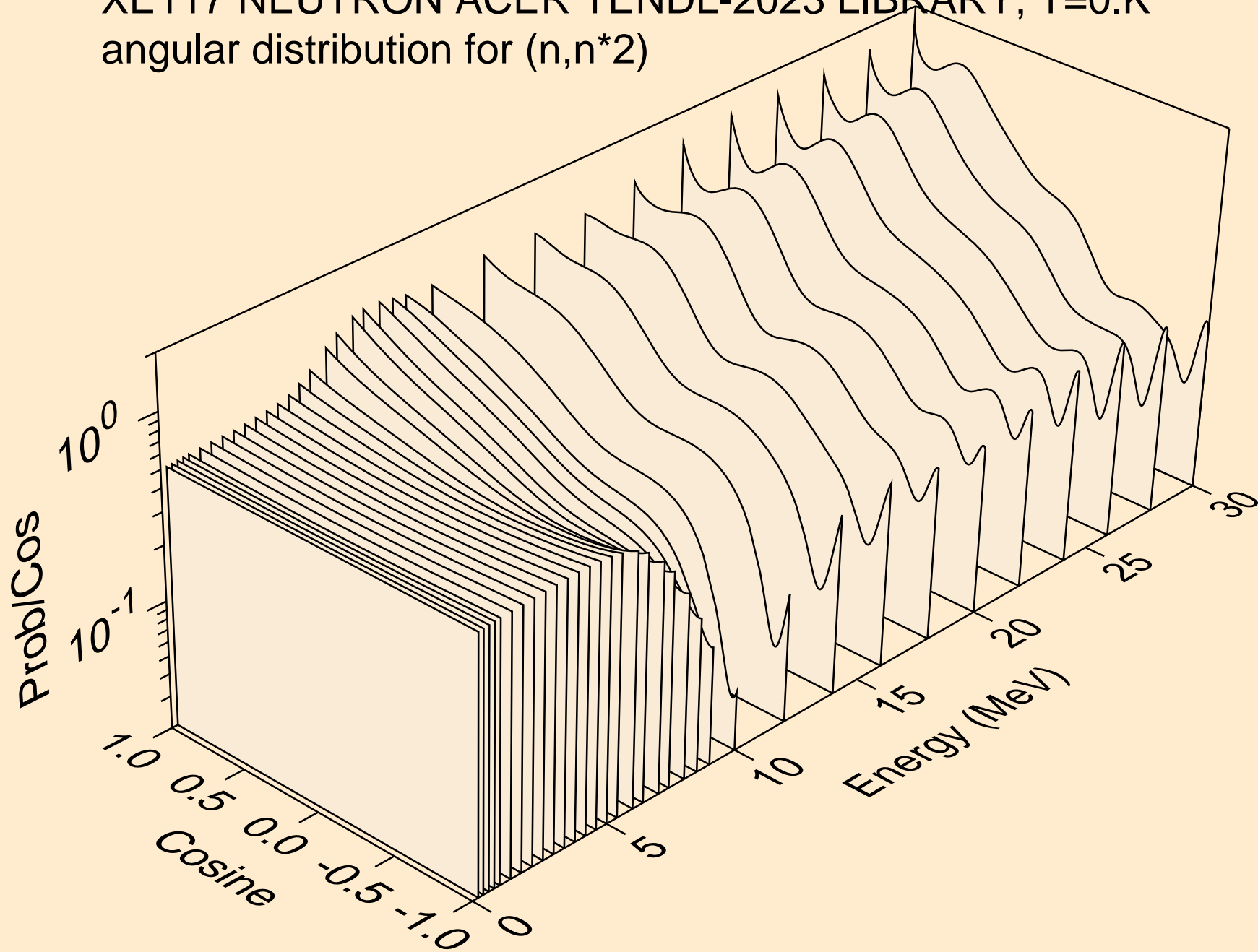


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

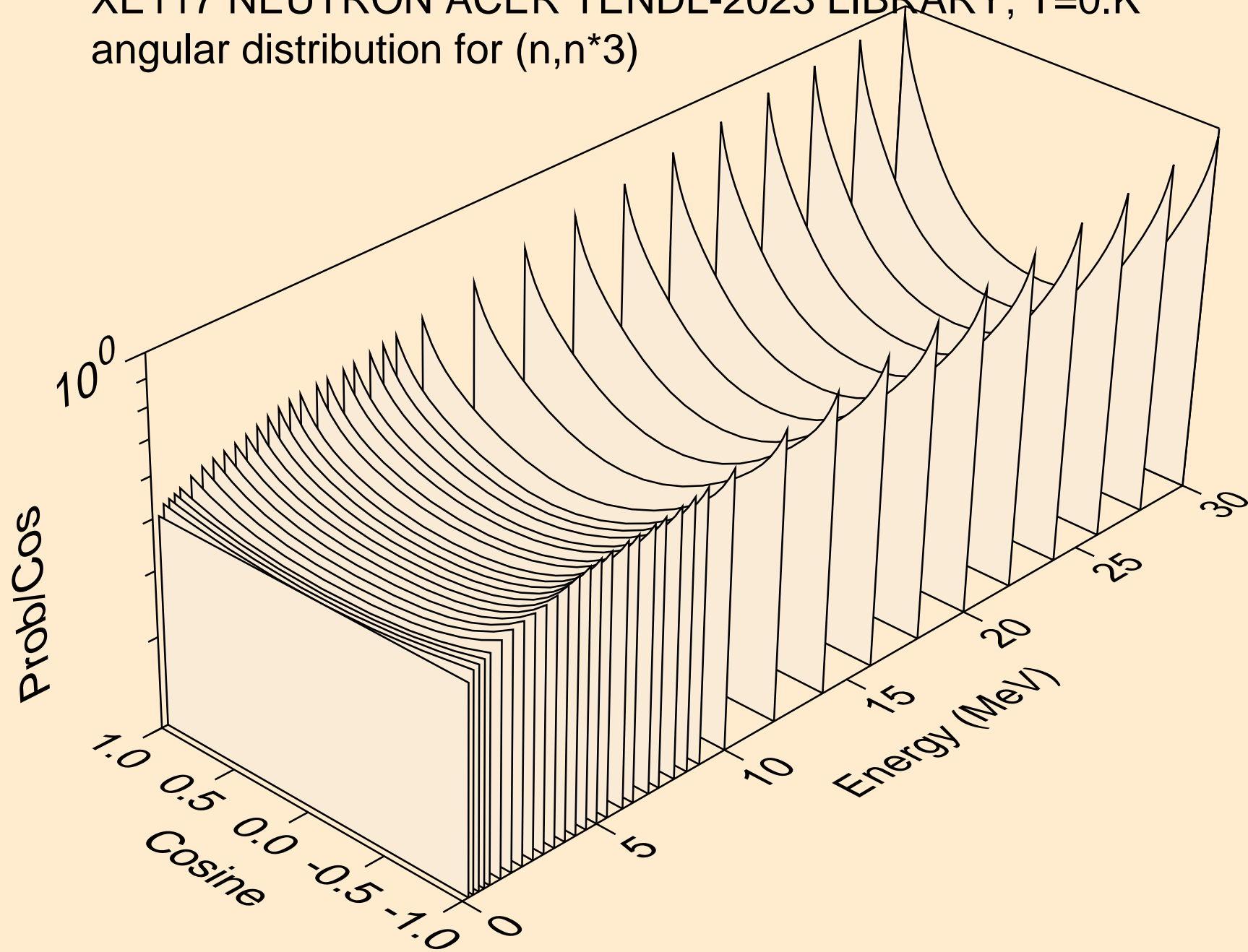




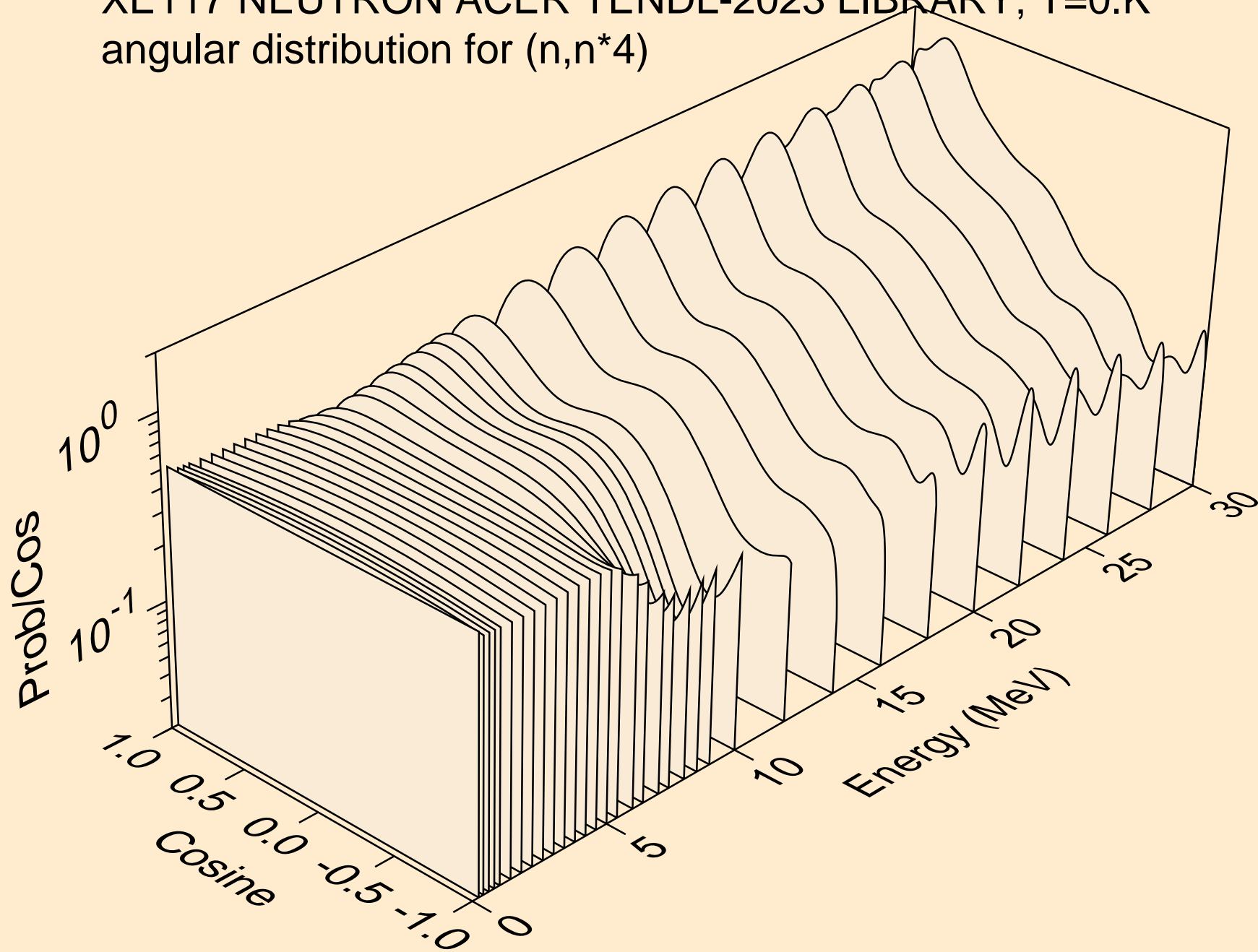
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angular distribution for (n,n\*2)



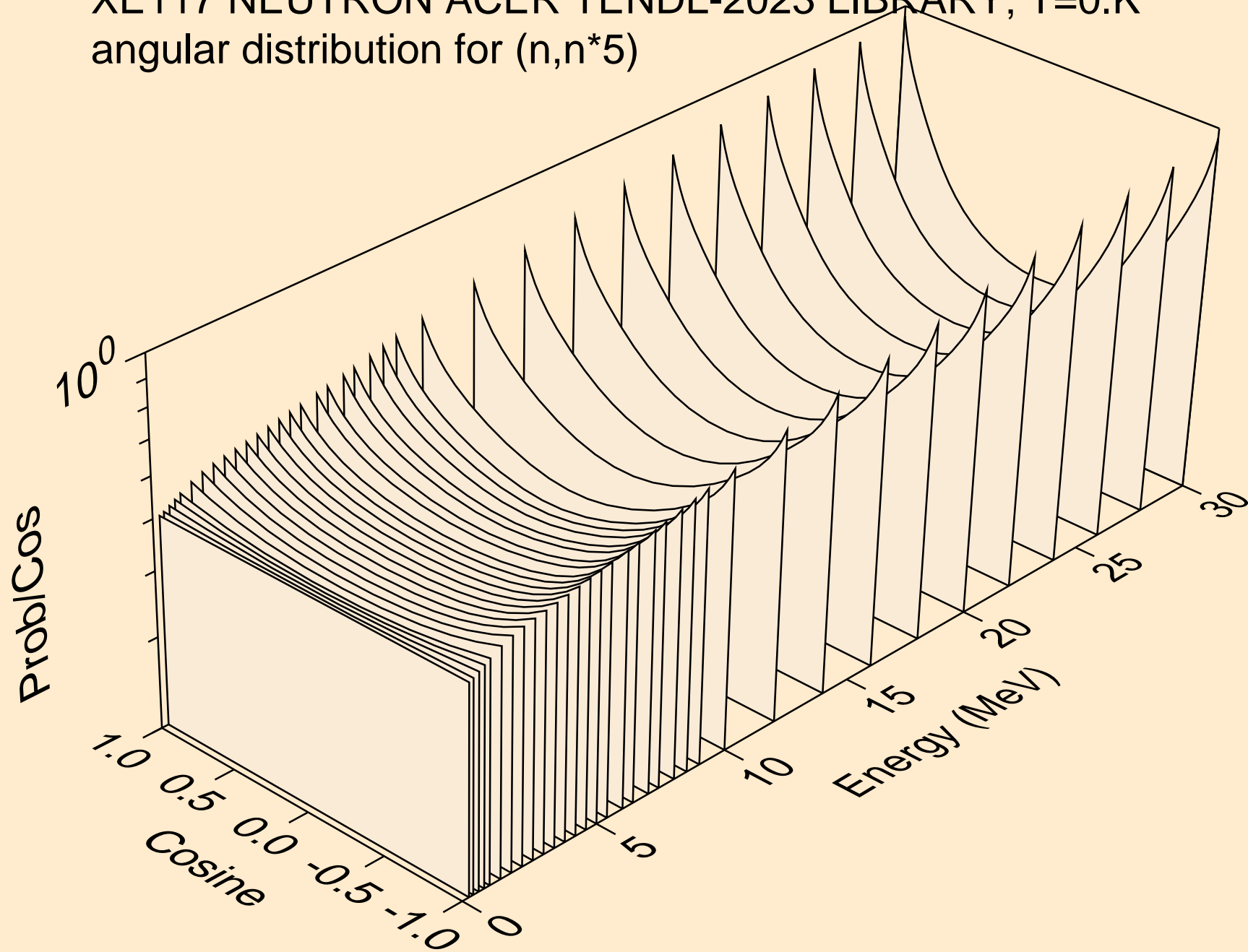
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angular distribution for (n,n\*3)



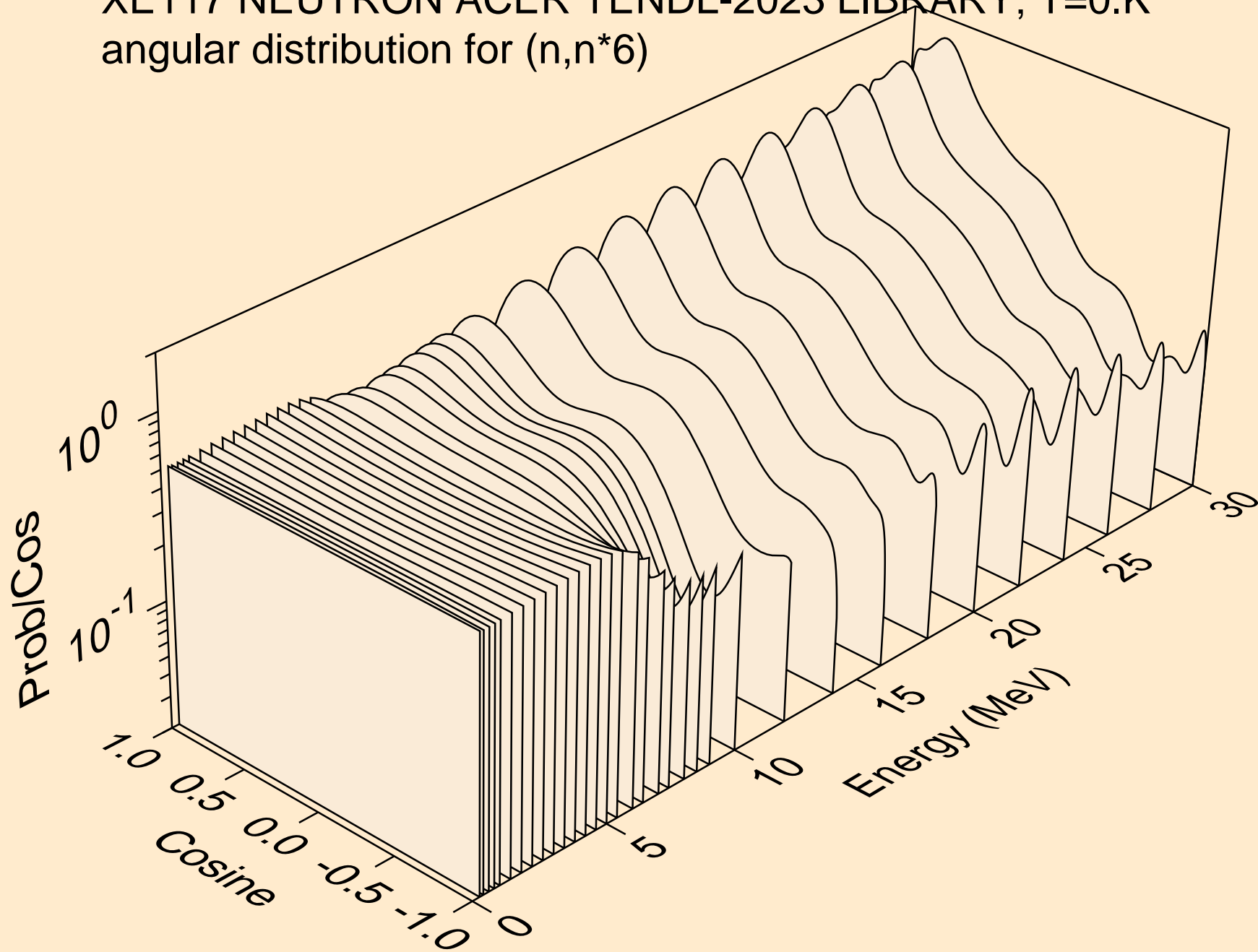
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angular distribution for (n,n\*4)



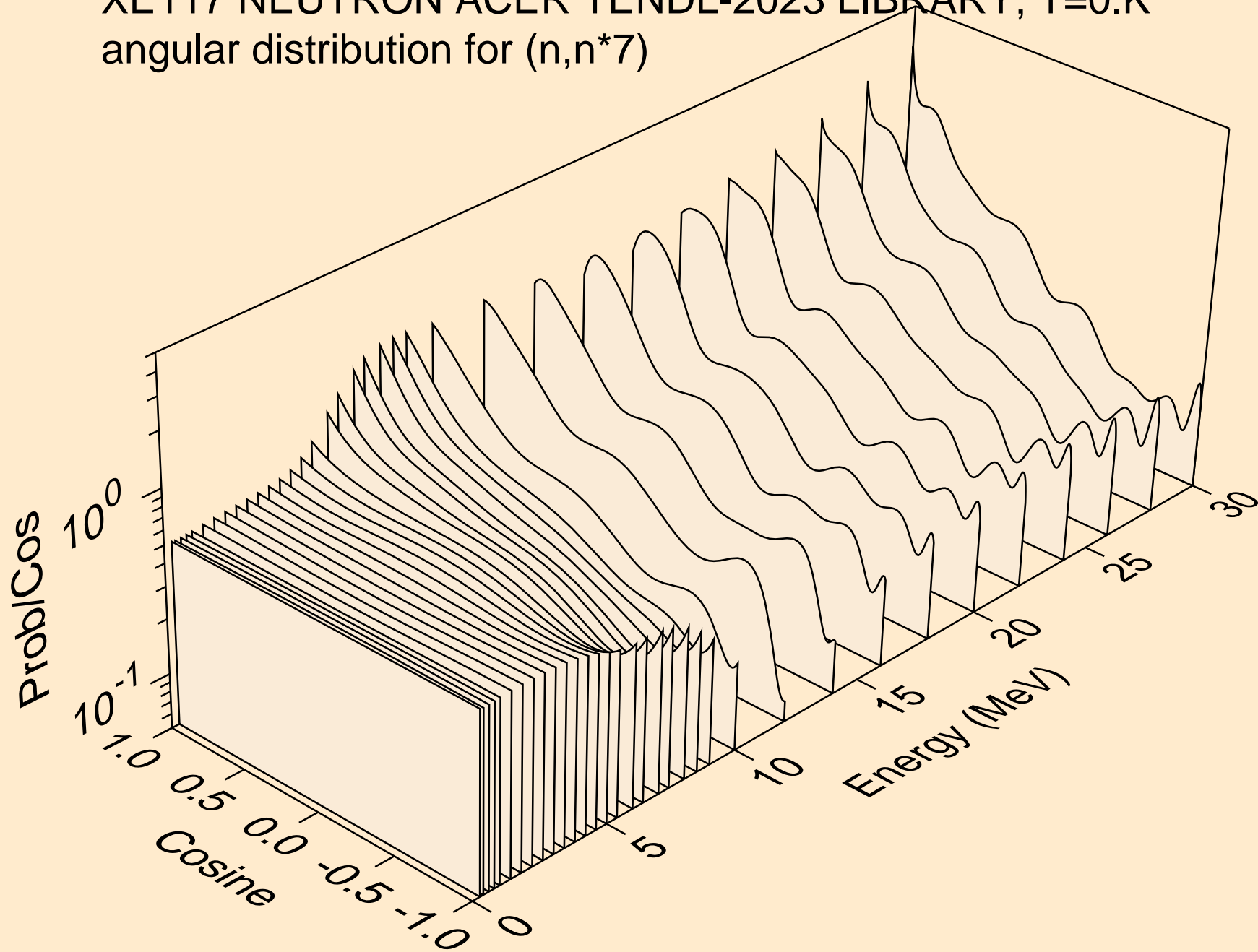
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angular distribution for (n,n\*5)



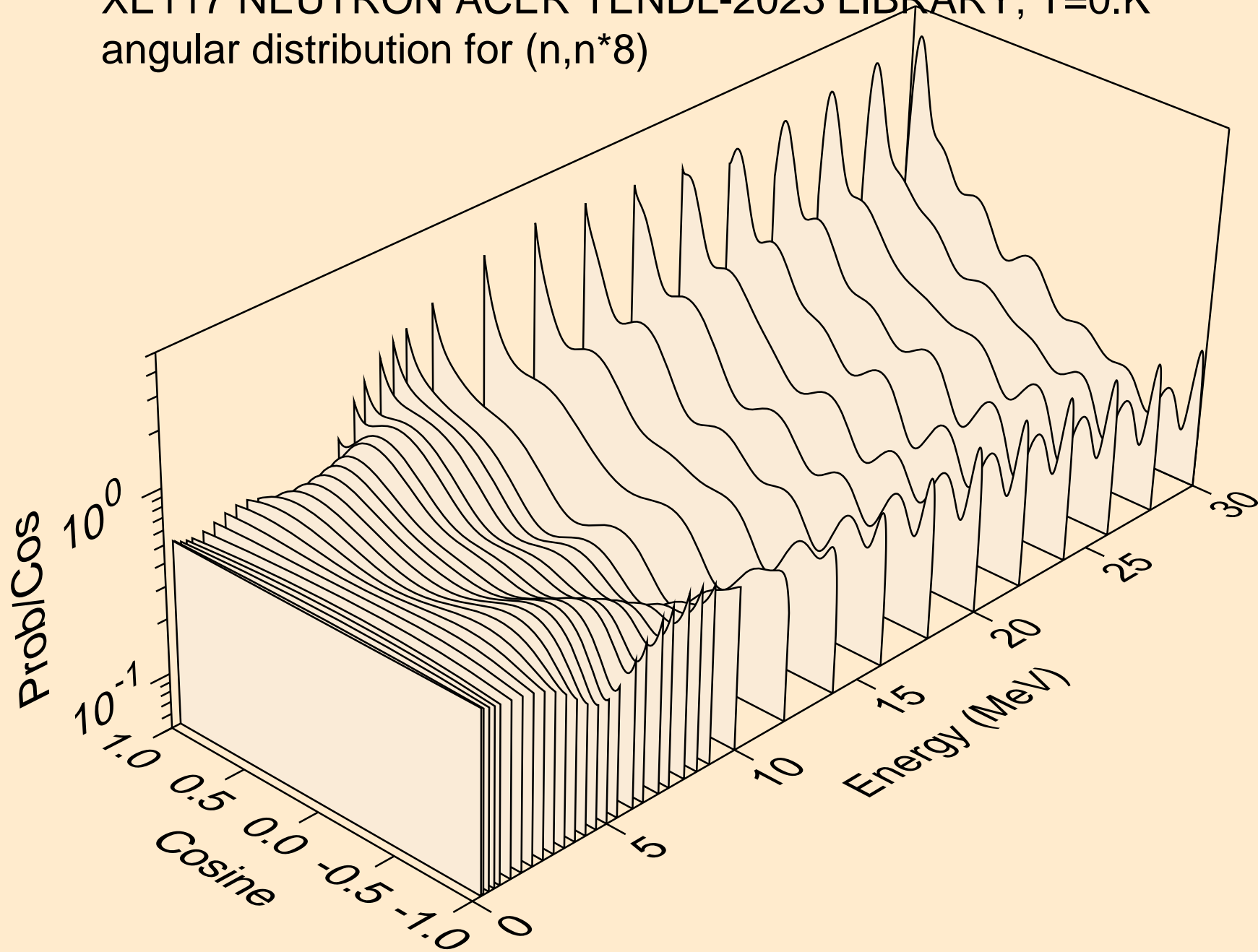
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angular distribution for (n,n\*6)



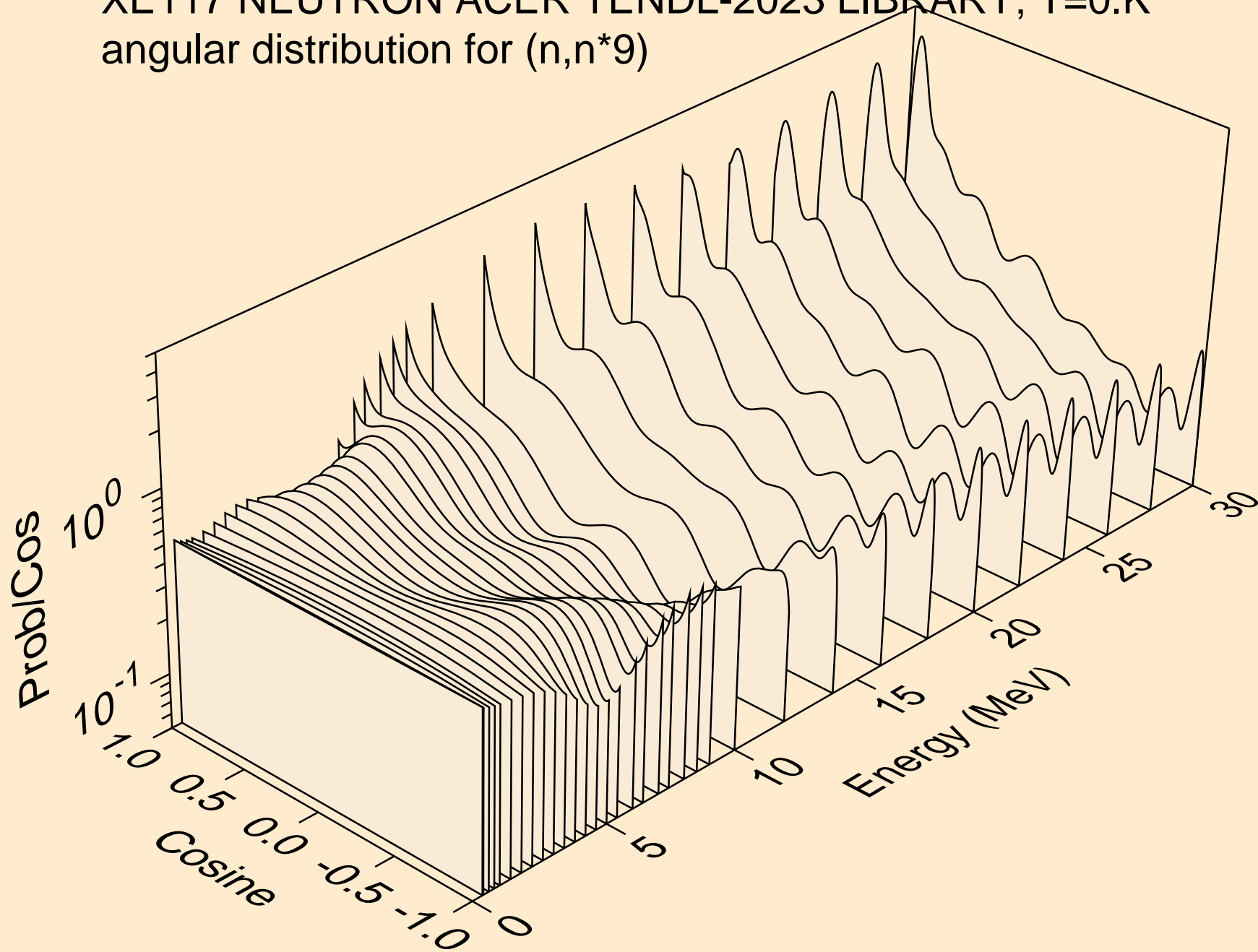
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

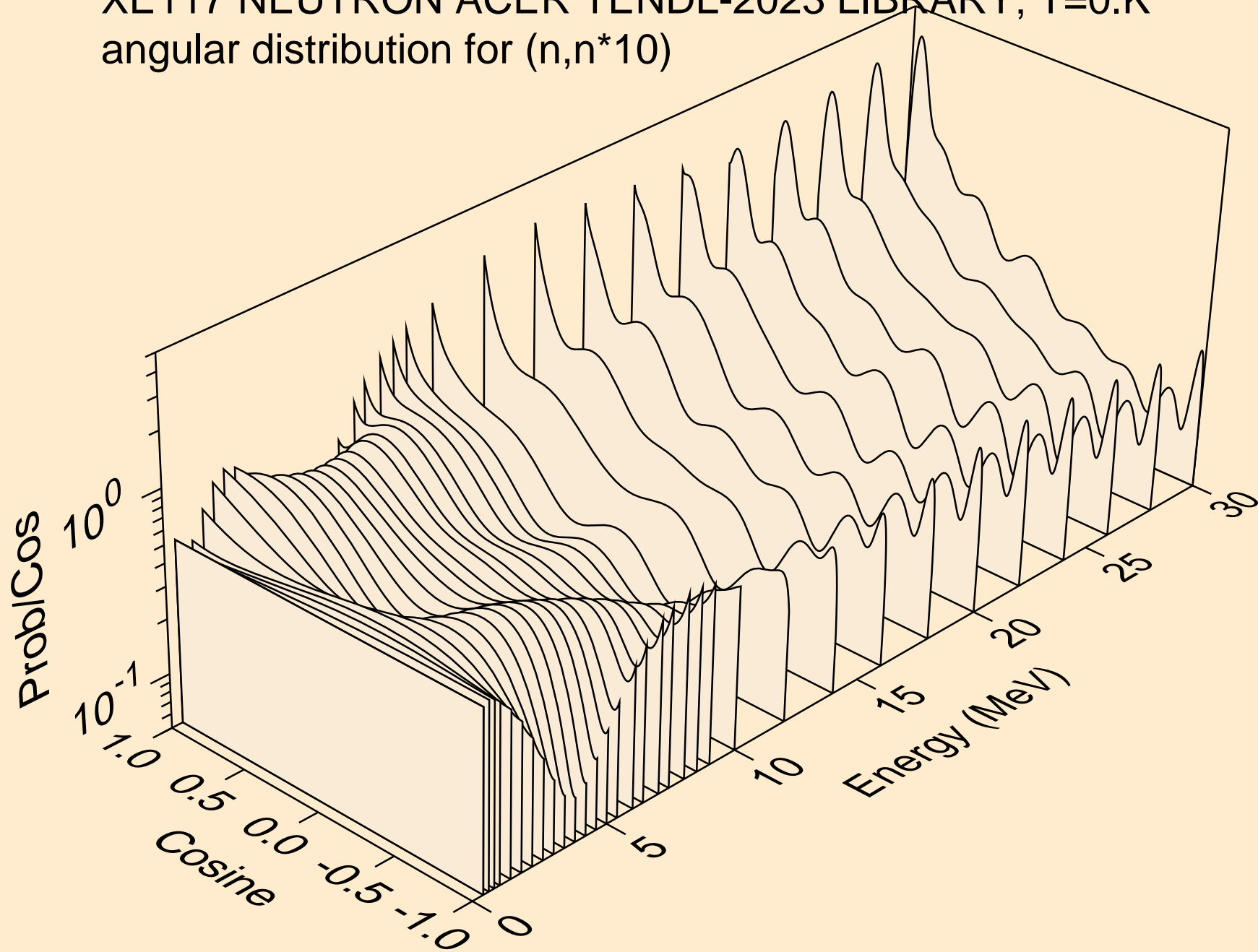


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

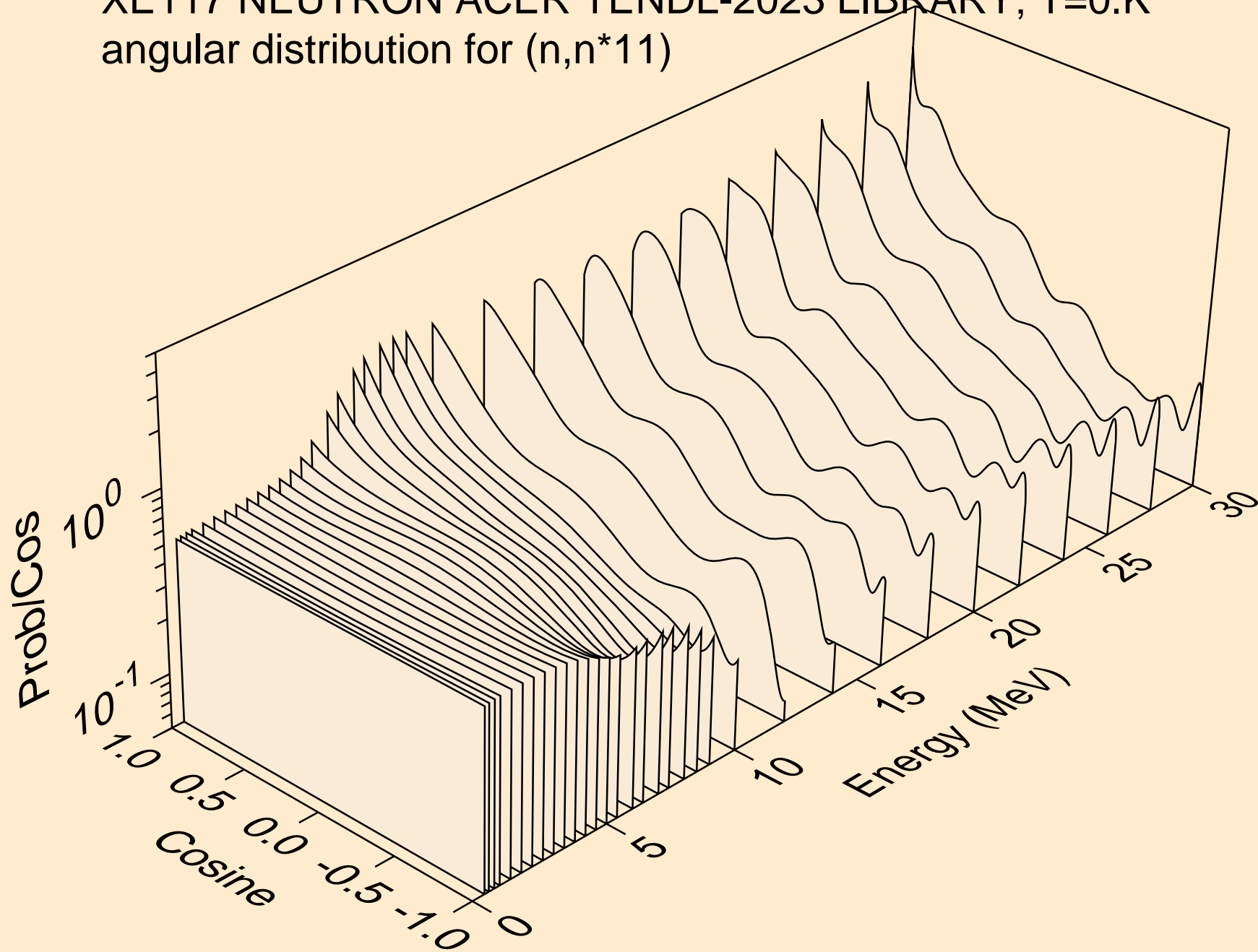




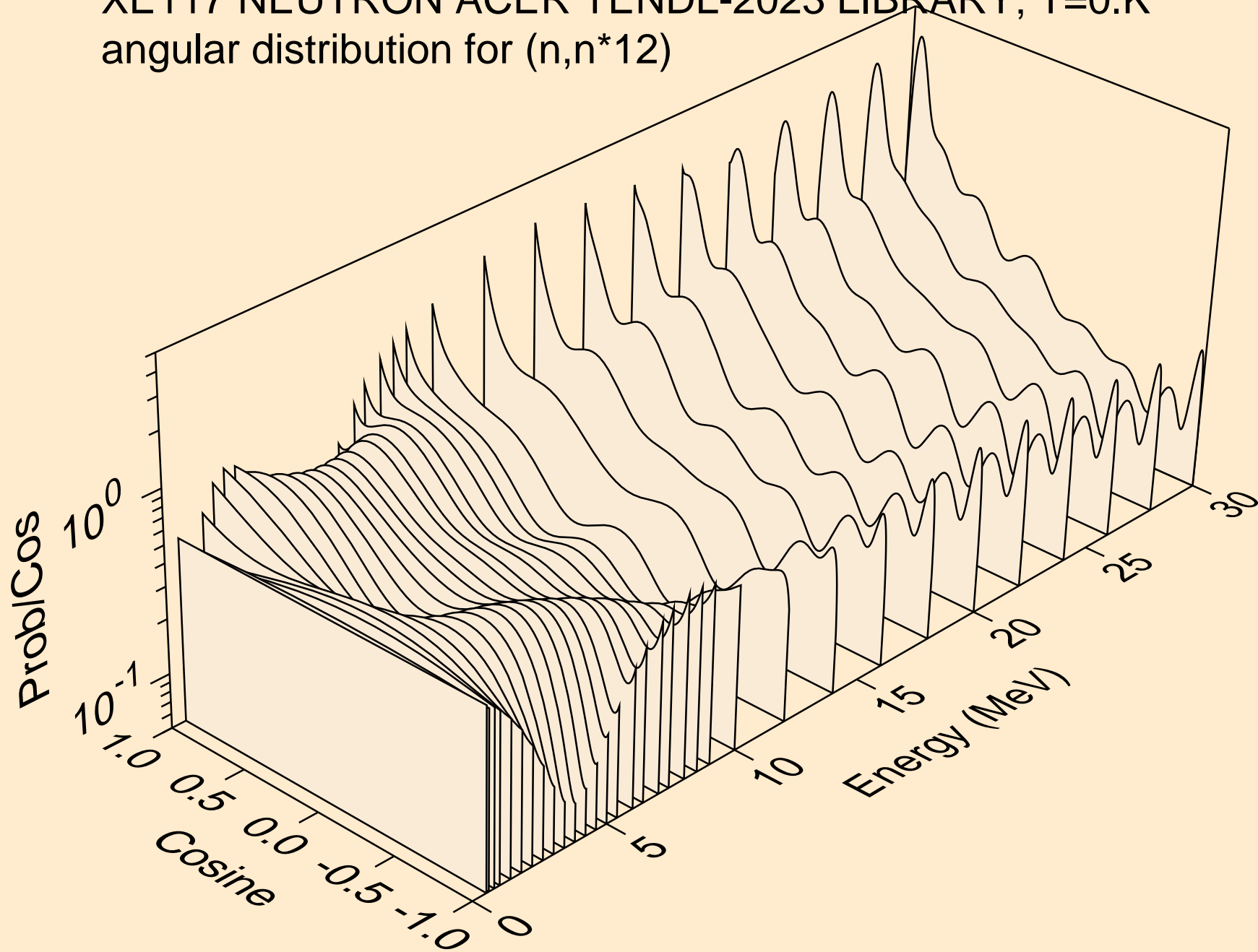
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angular distribution for (n,n\*10)



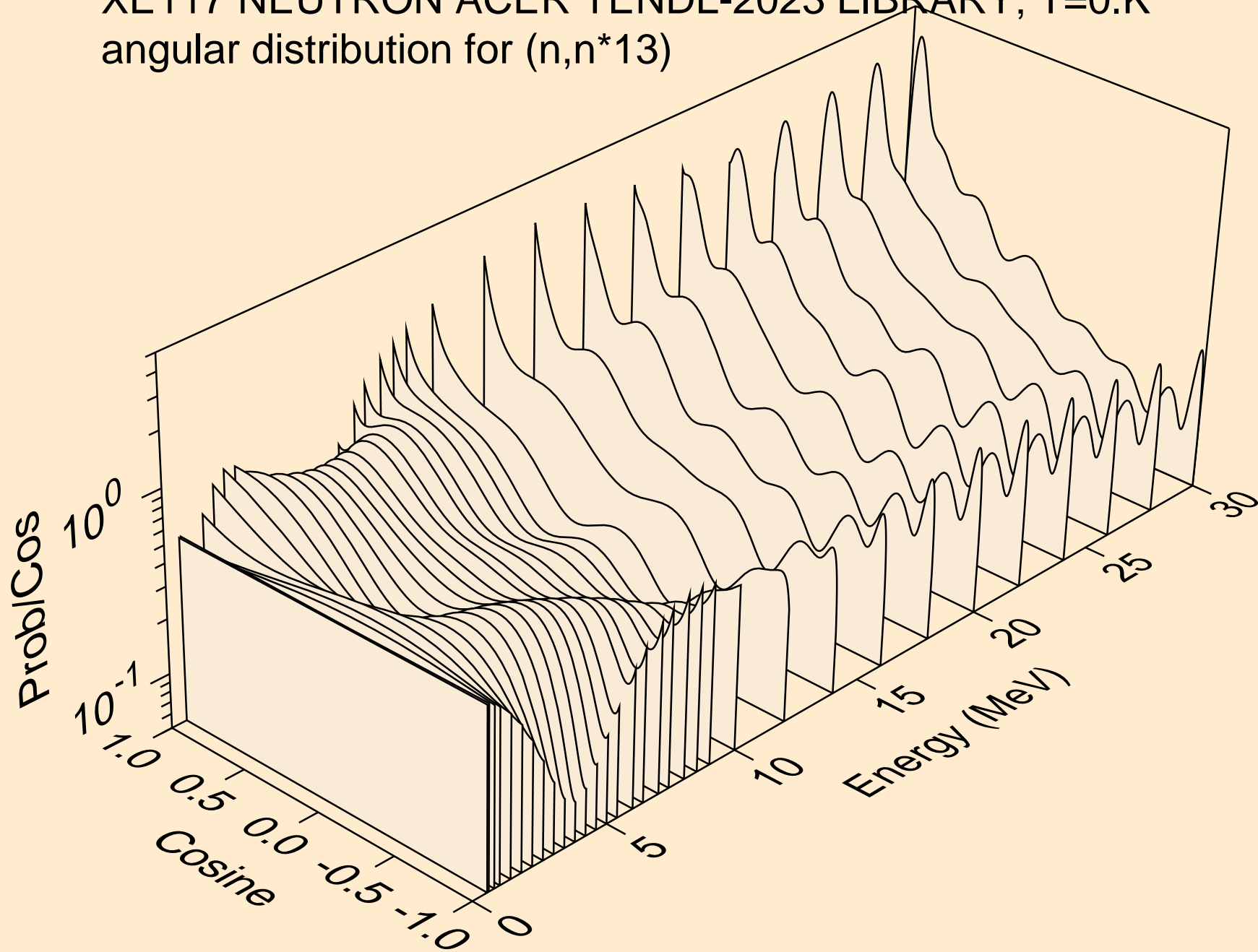
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angular distribution for (n,n\*11)



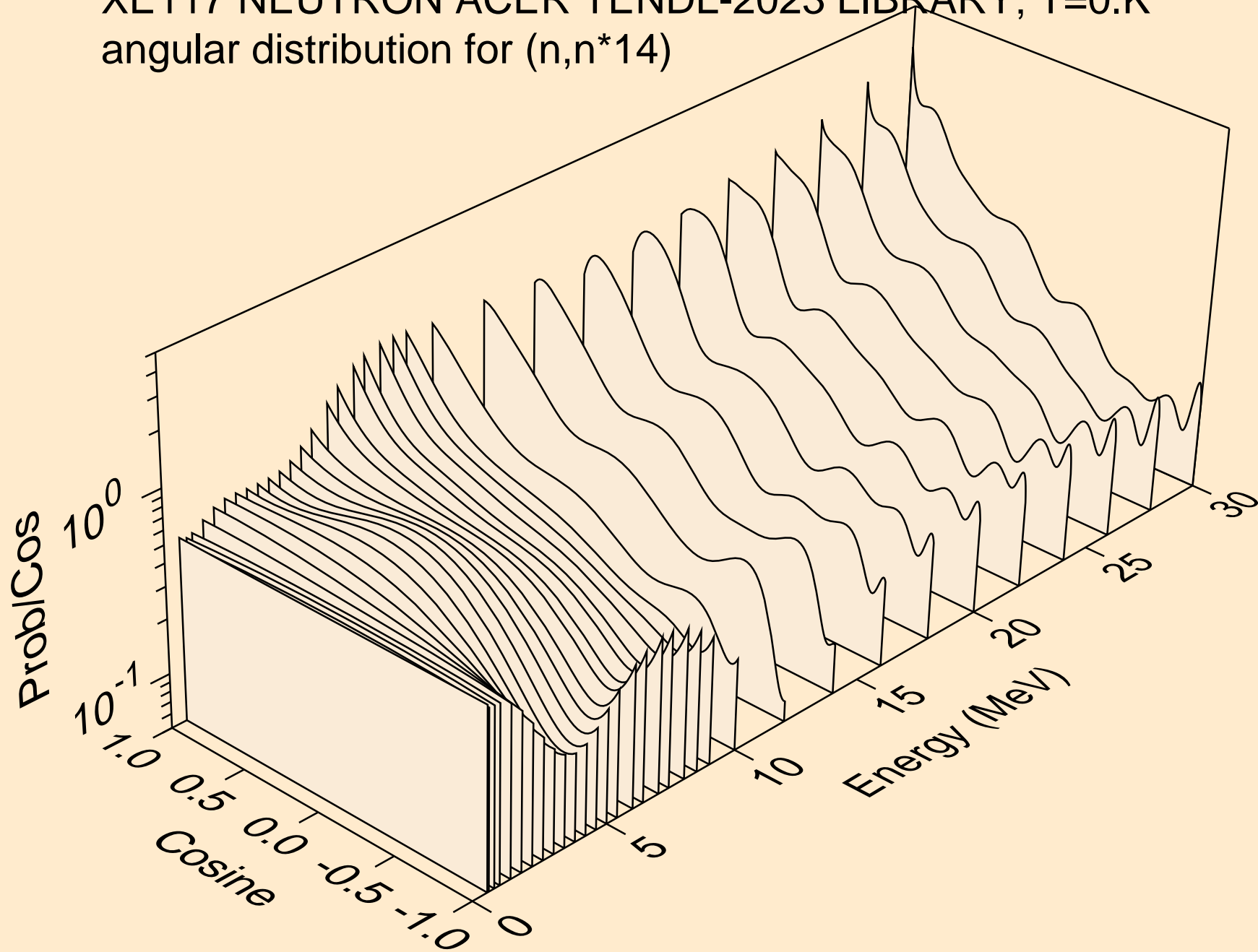
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angular distribution for (n,n\*12)



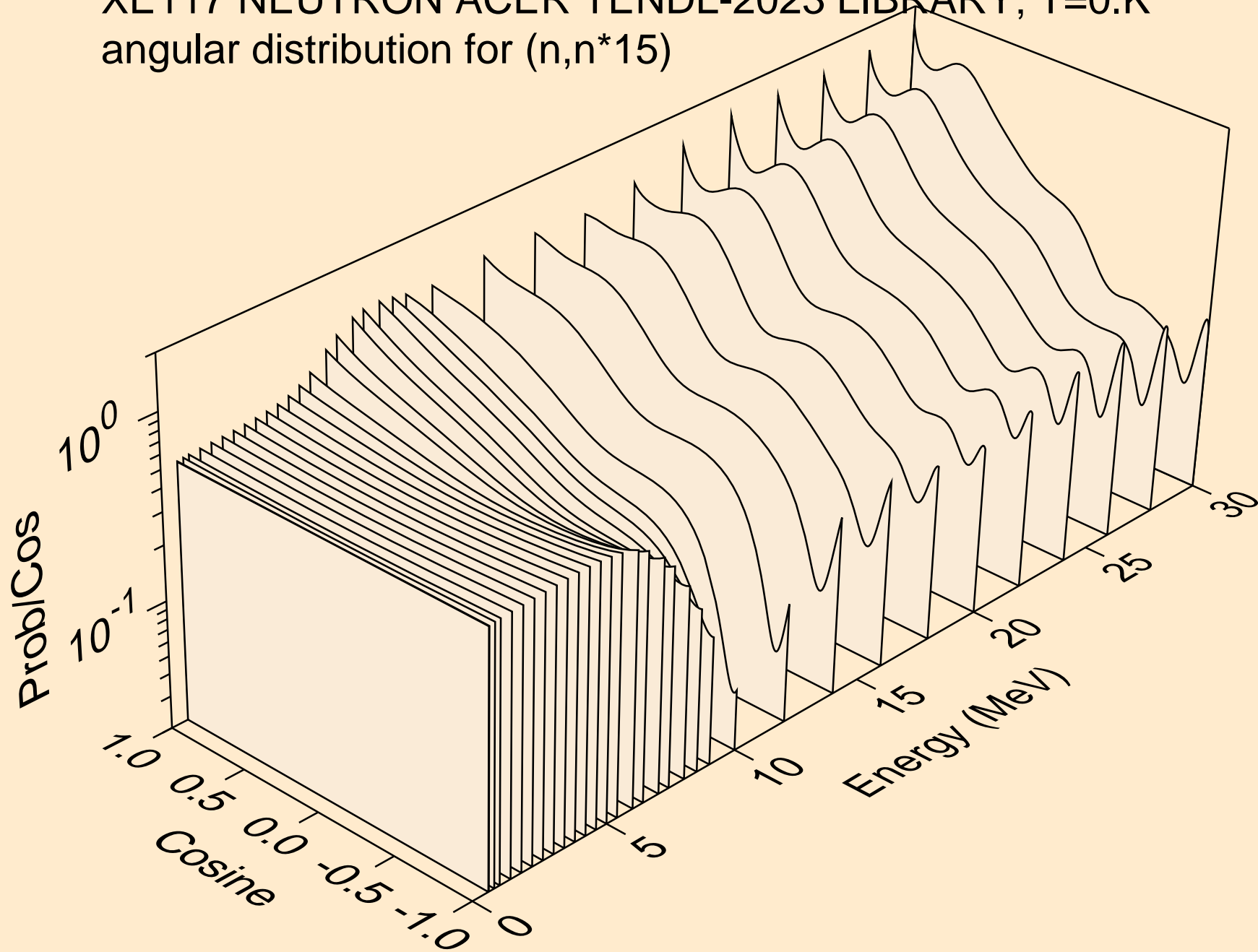
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angular distribution for (n,n\*13)



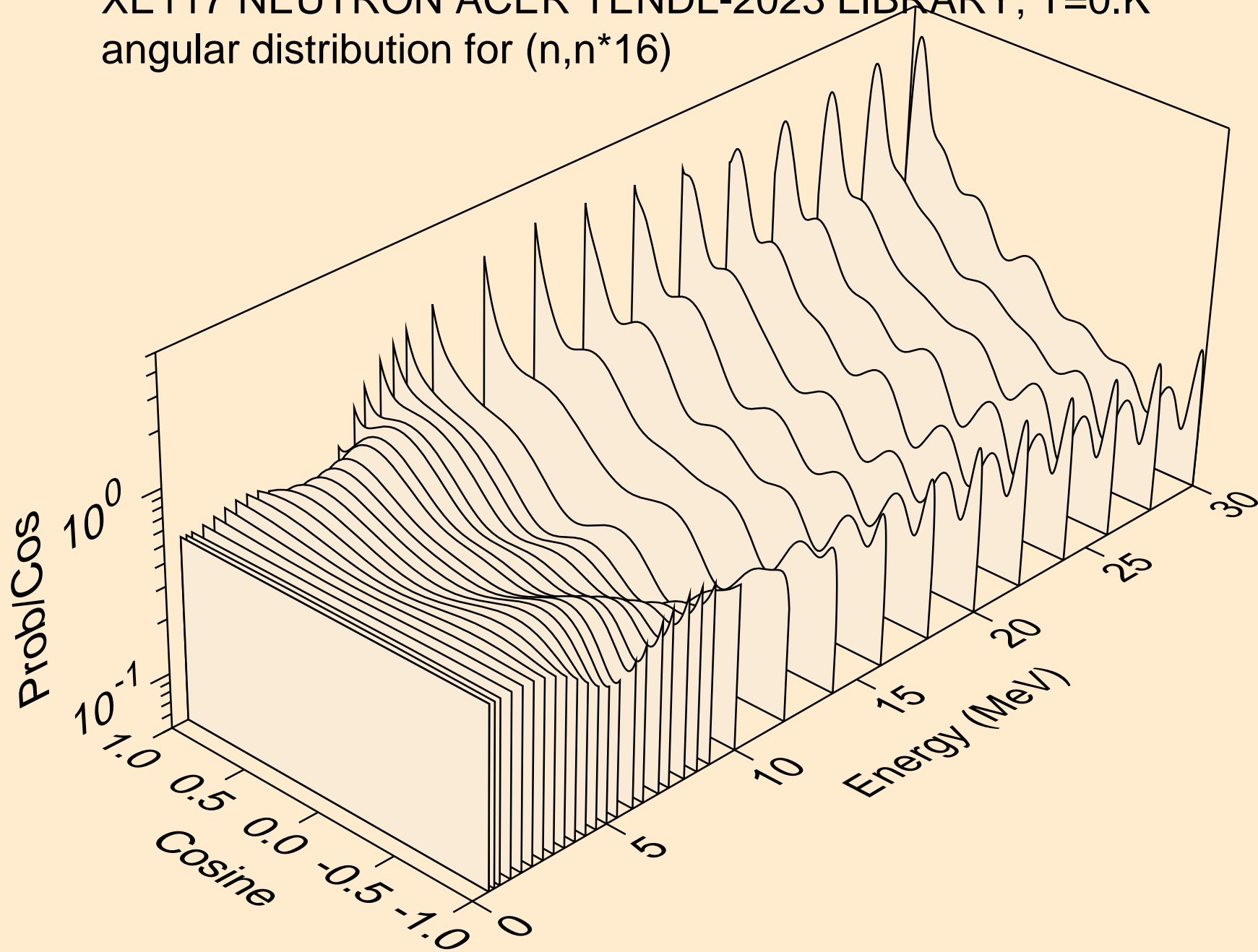
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angular distribution for (n,n\*14)



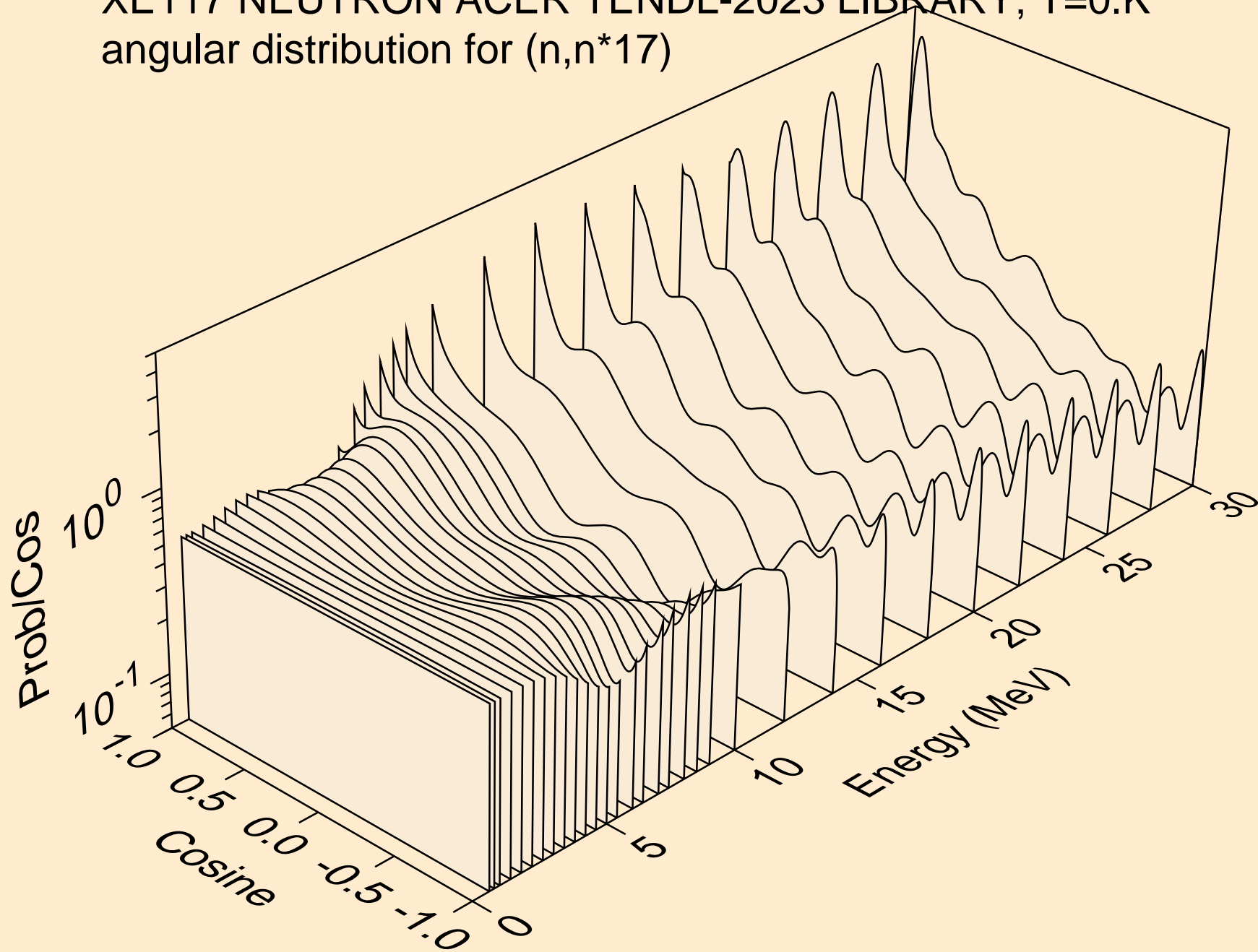
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

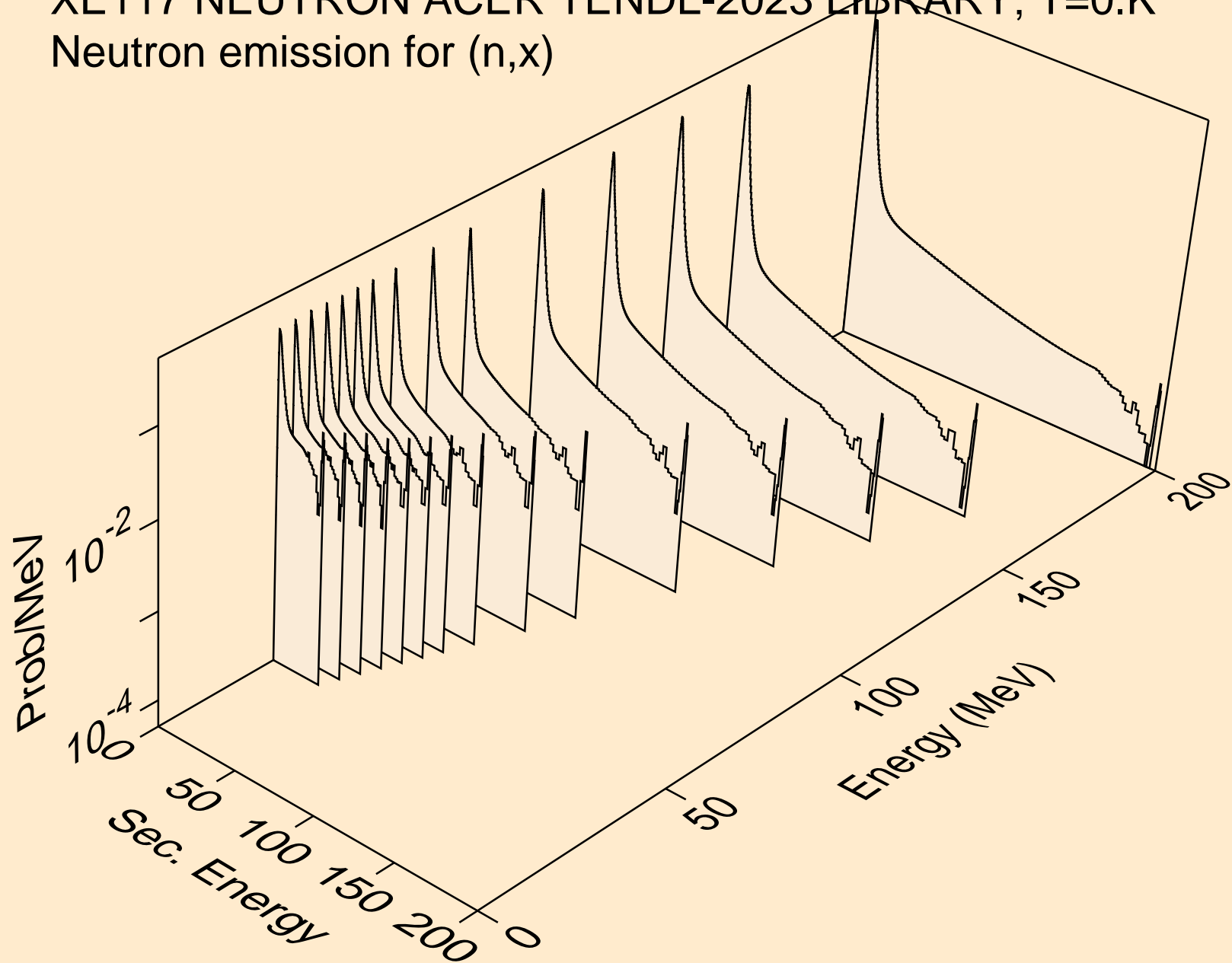


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

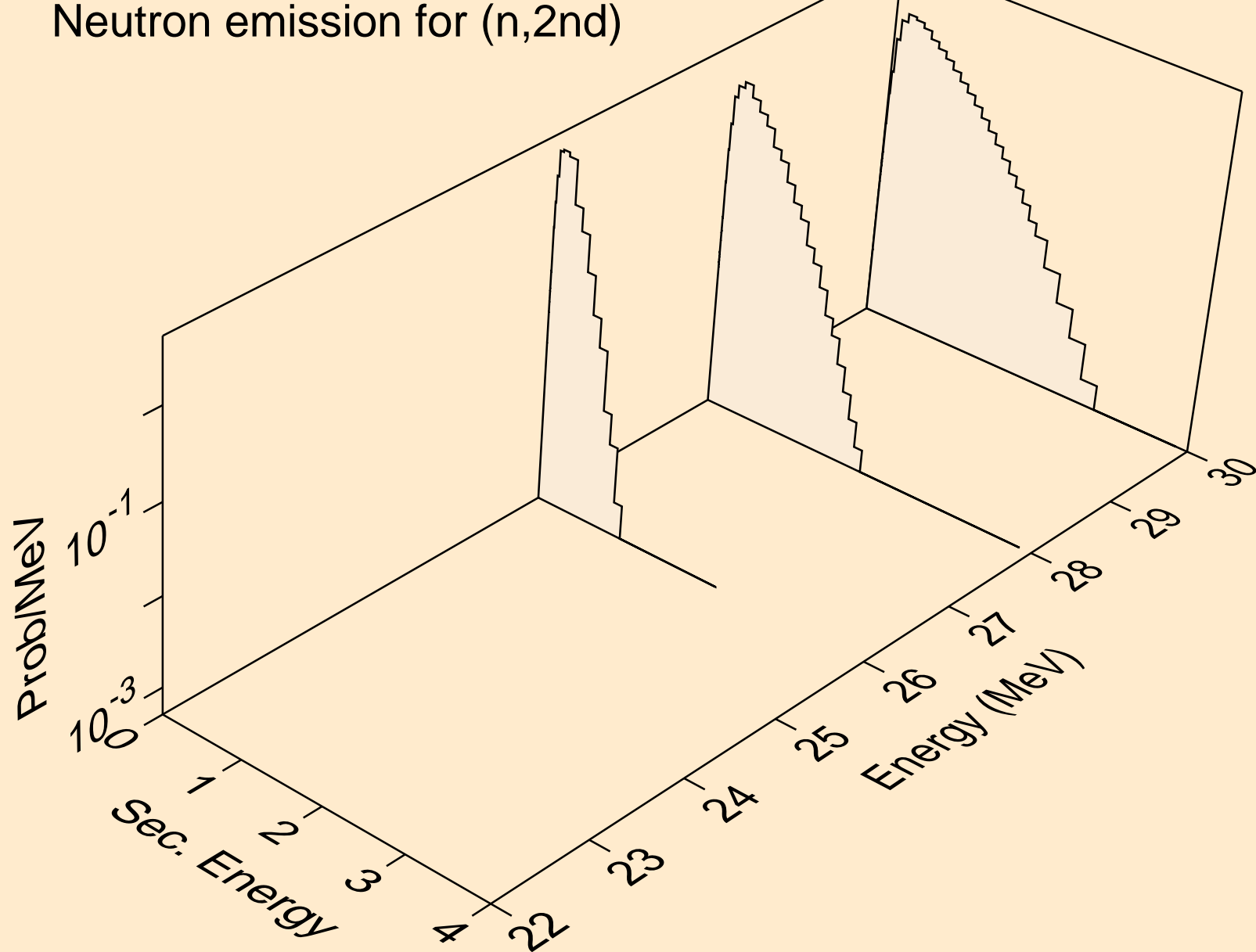




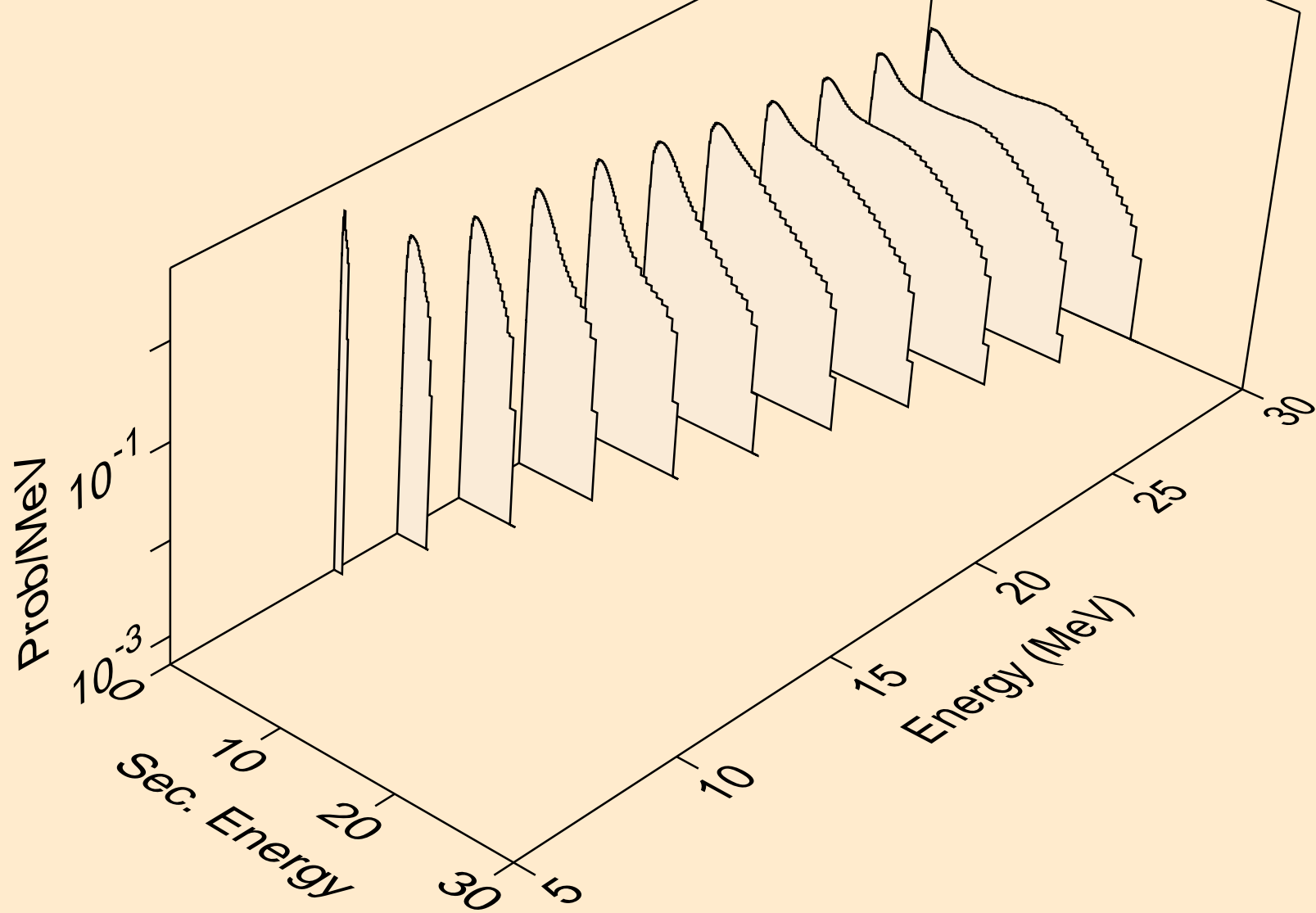
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



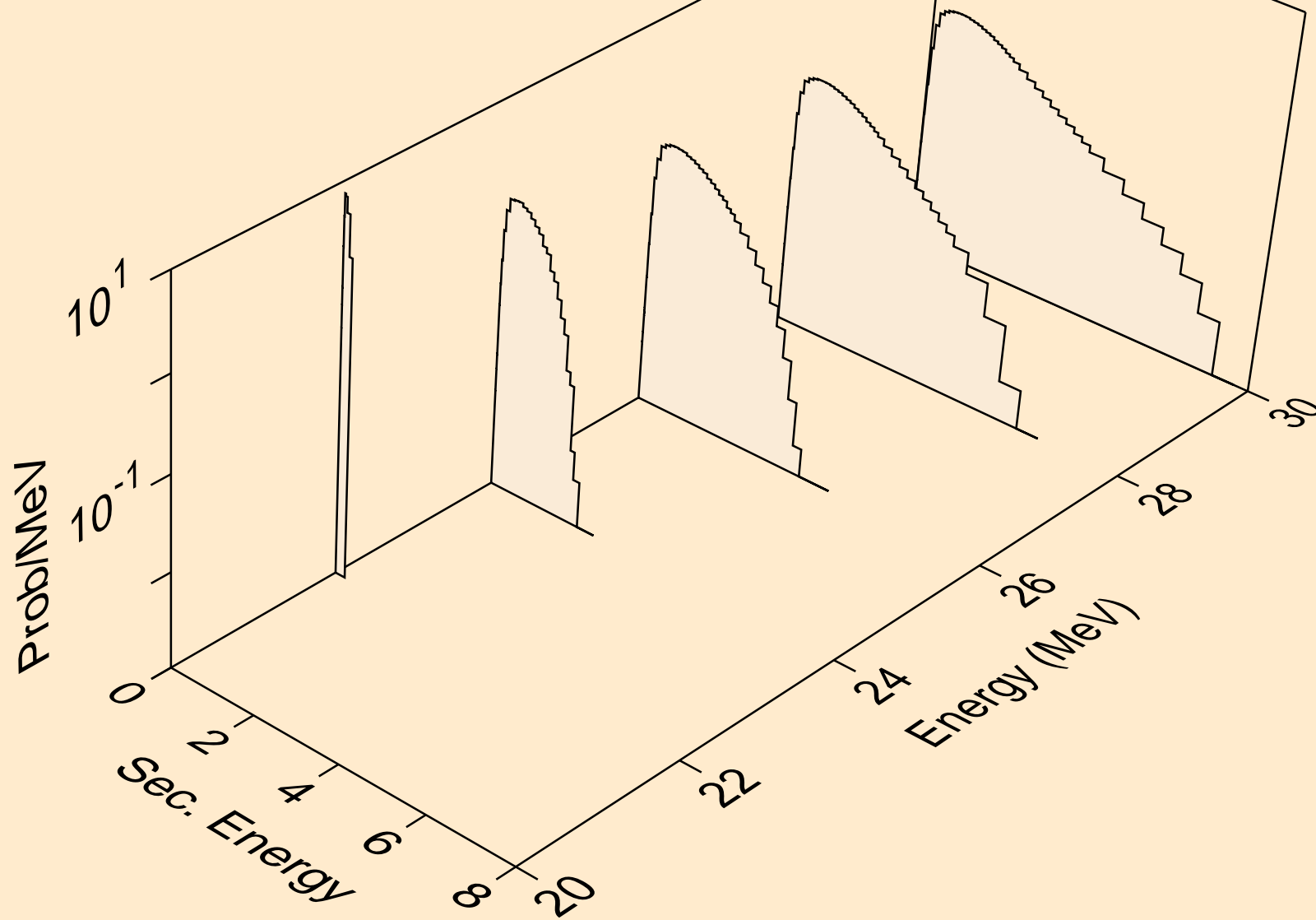
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



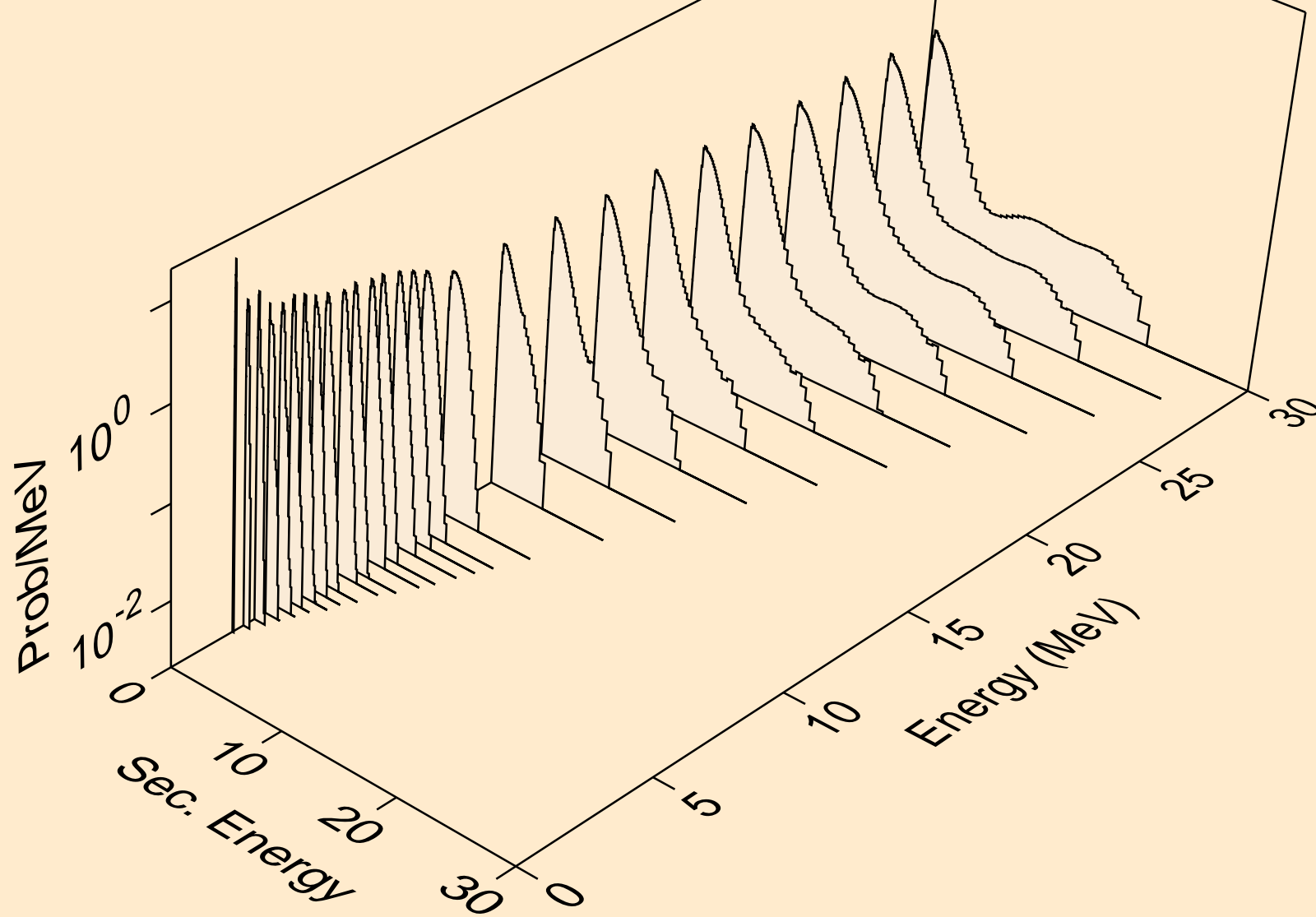
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Neutron emission for (n,2n)



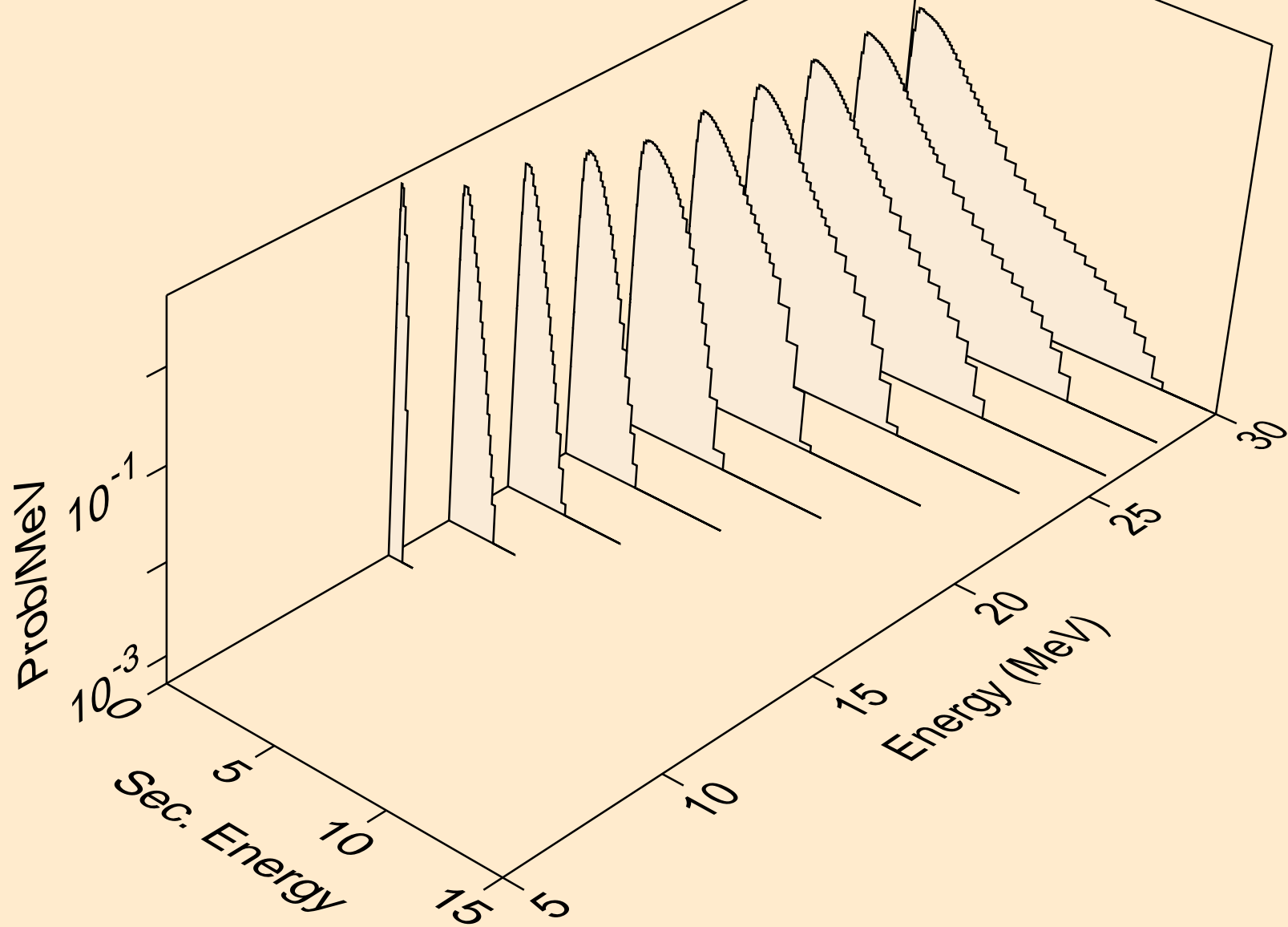
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



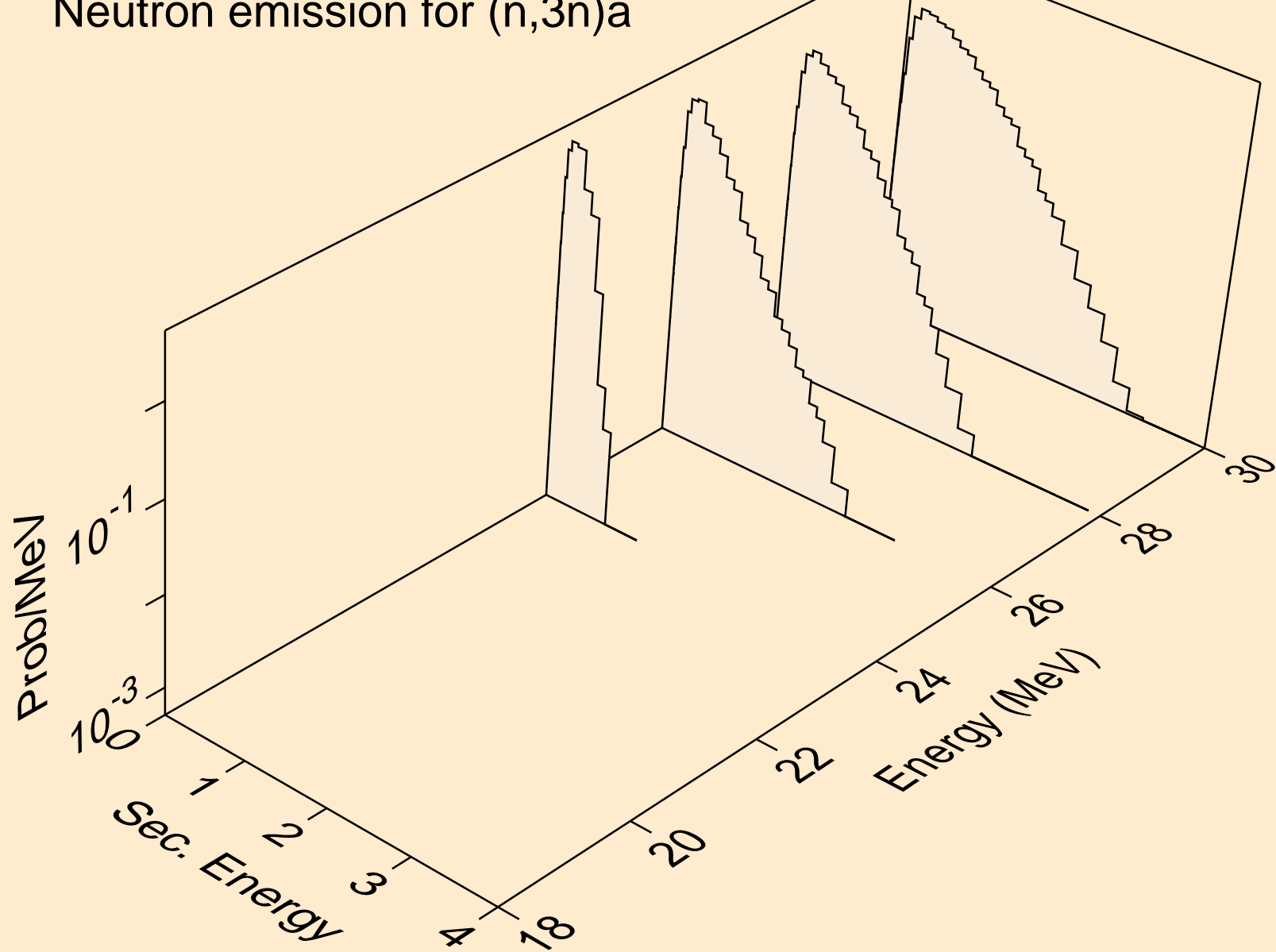
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



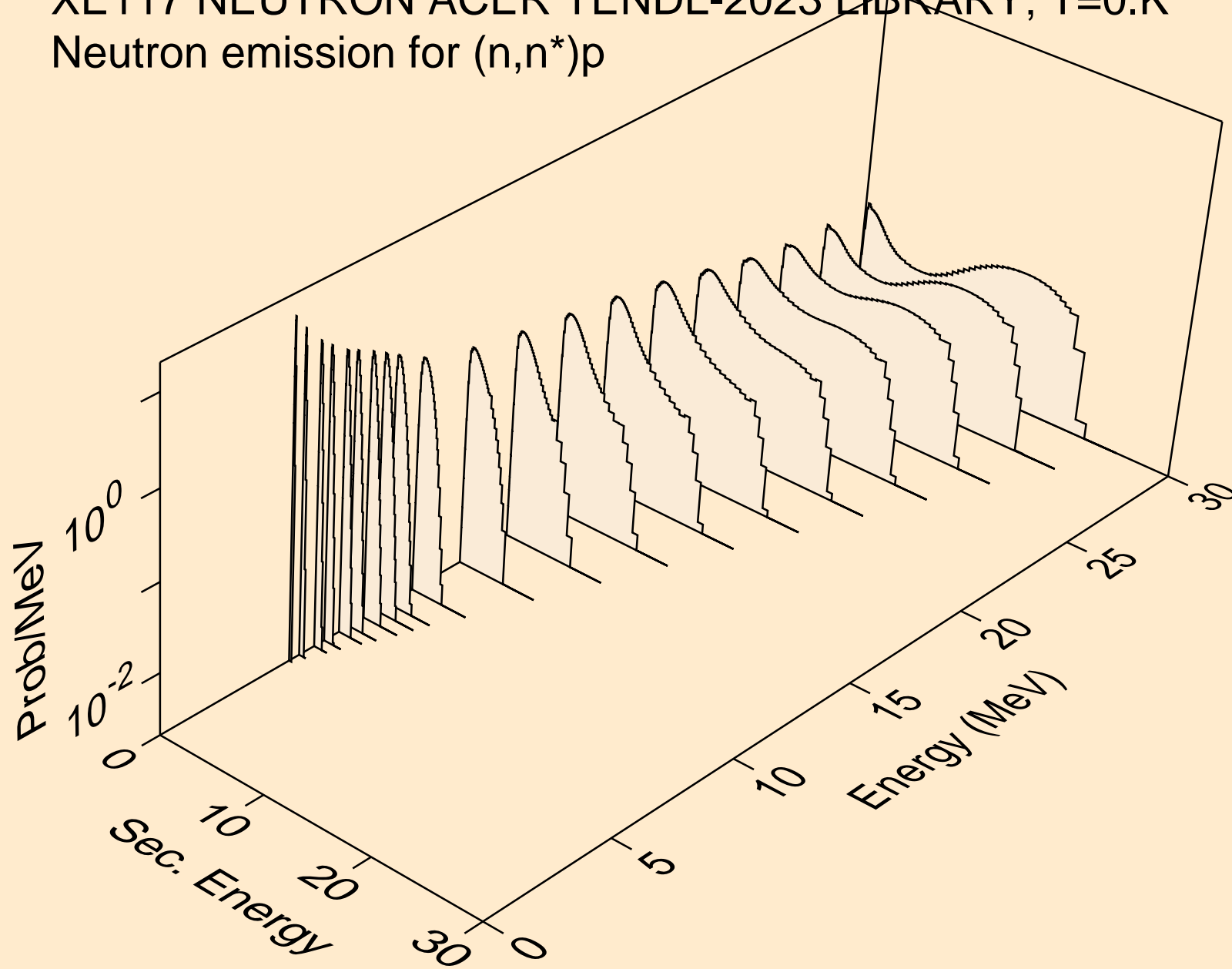
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

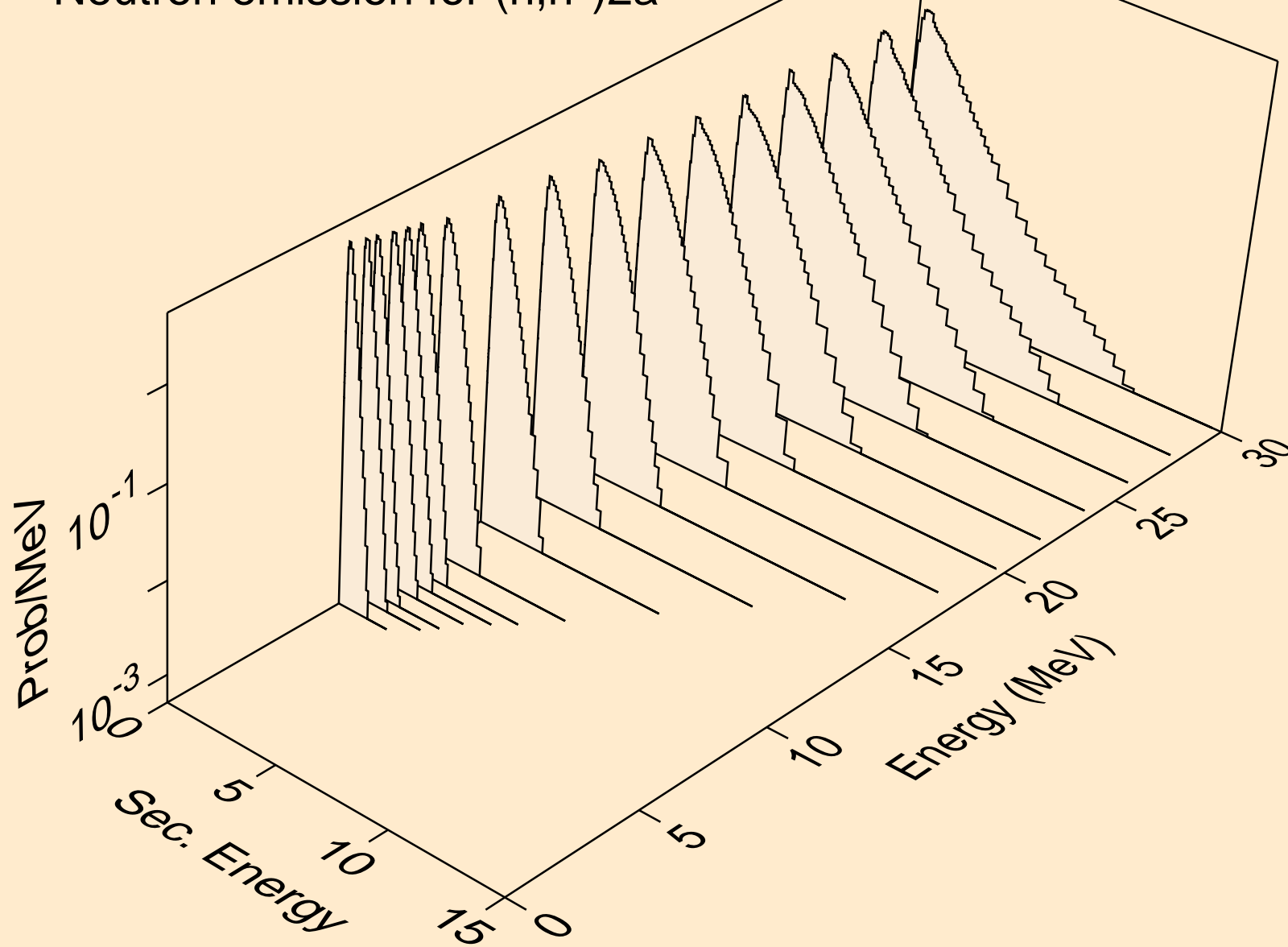


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

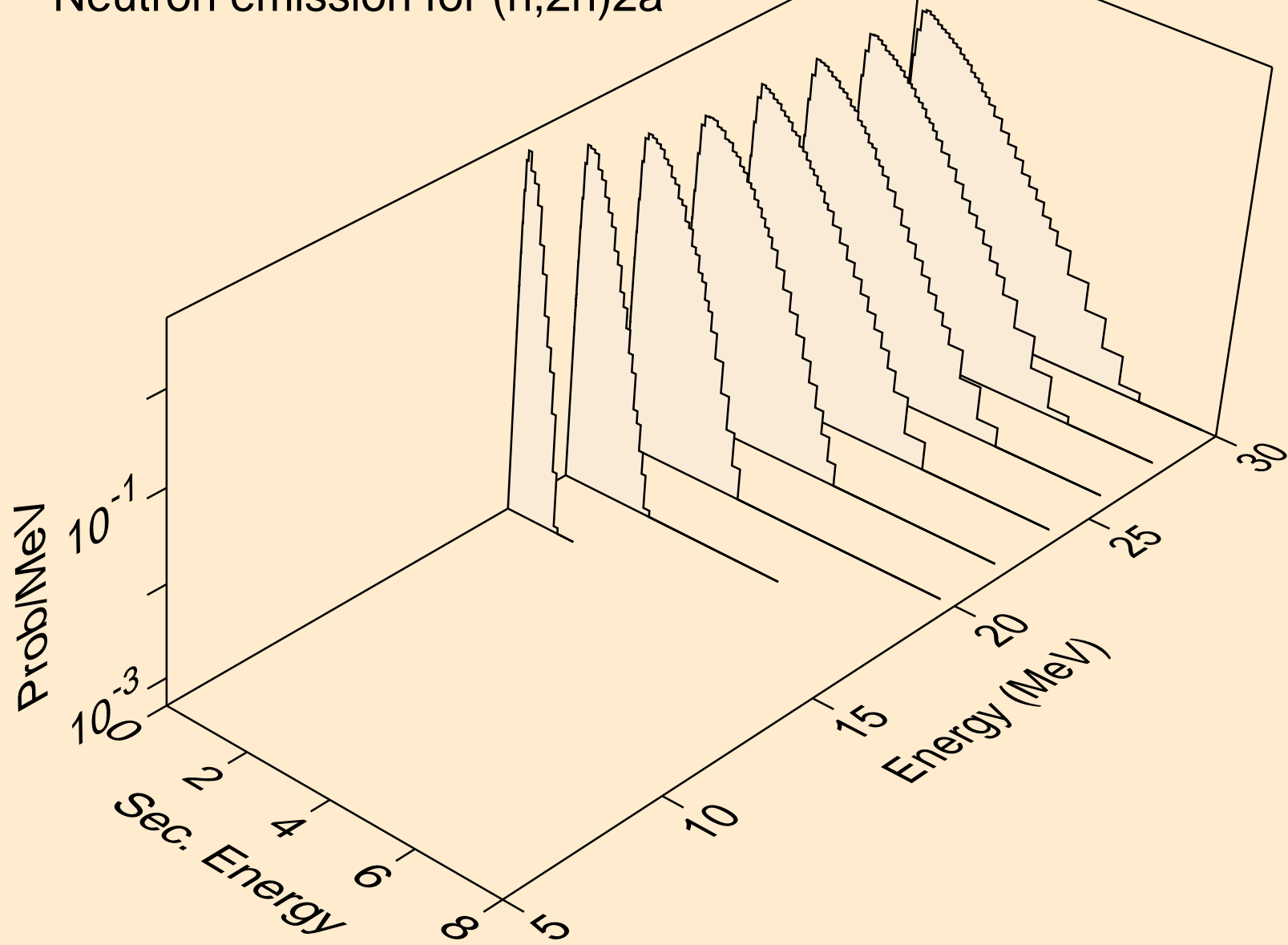




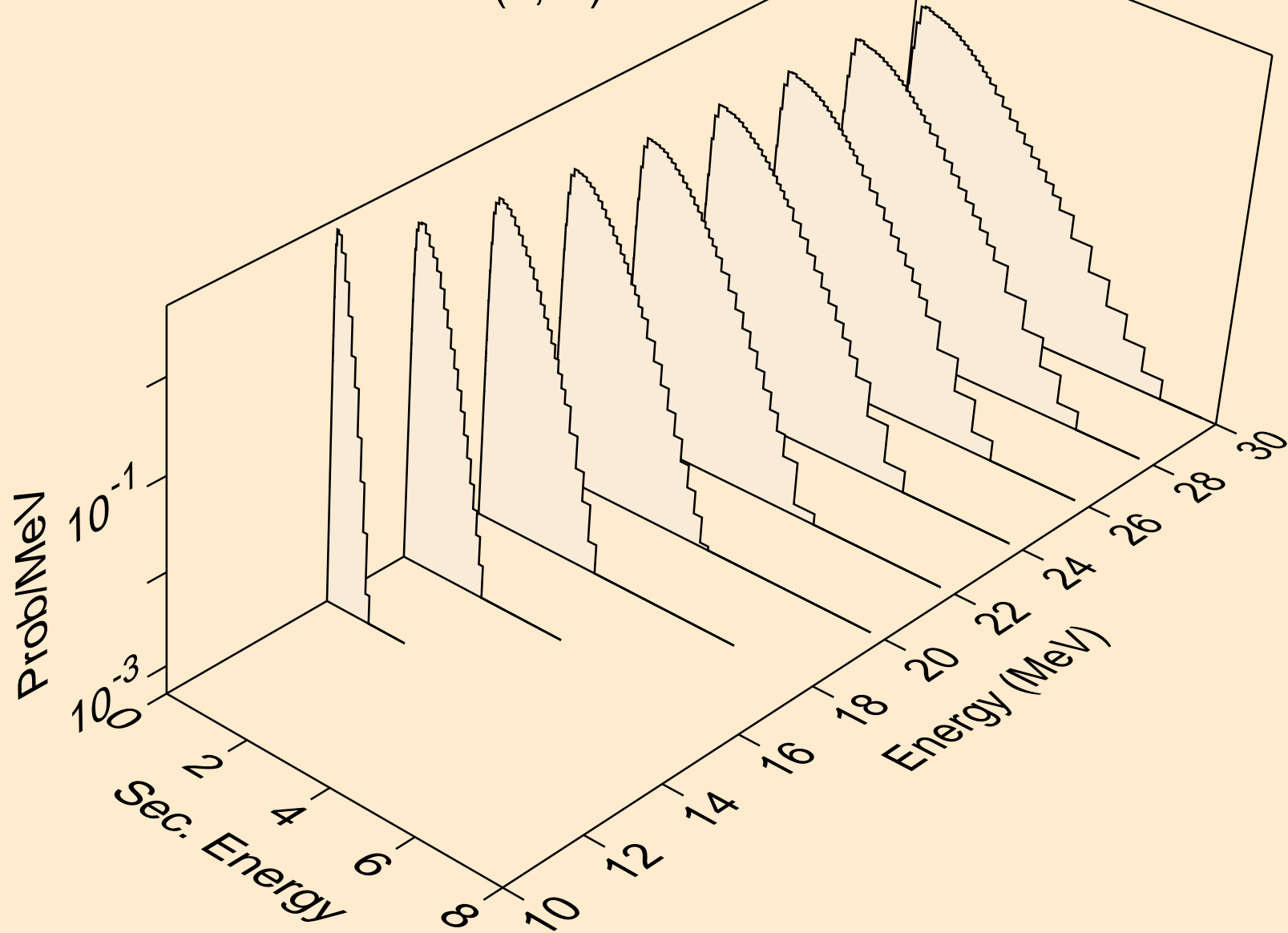
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



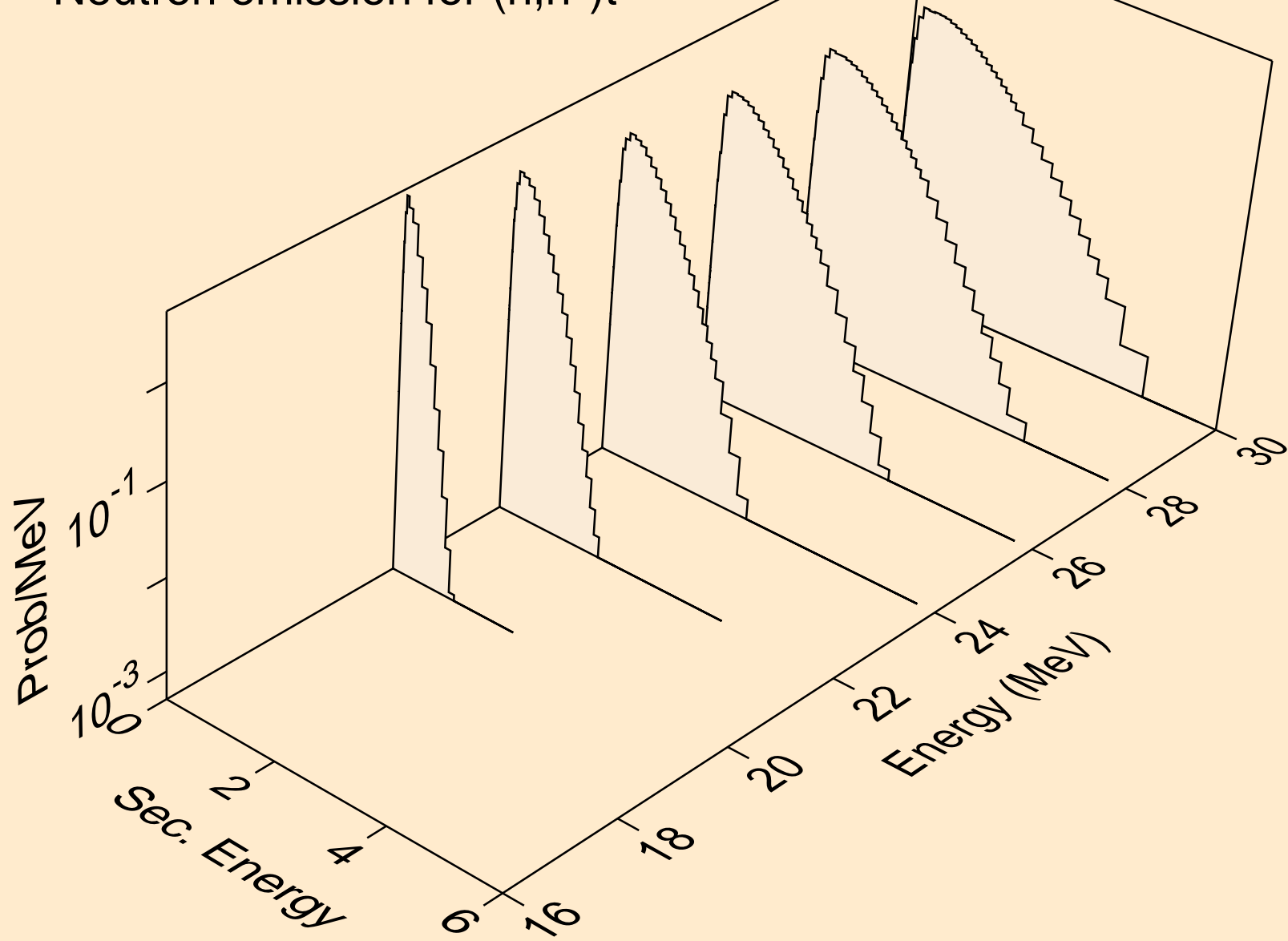
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



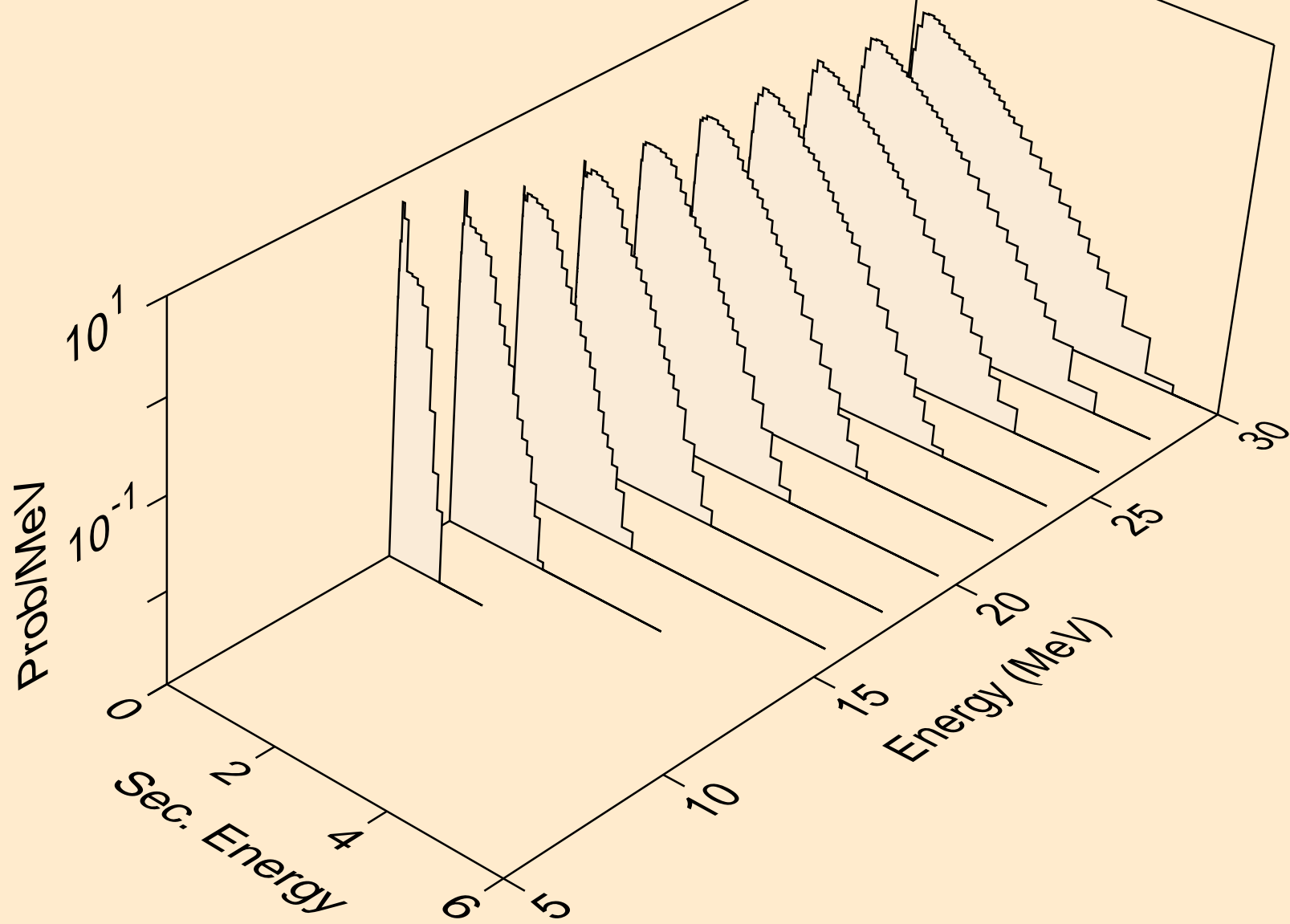
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Neutron emission for (n,n\*)d



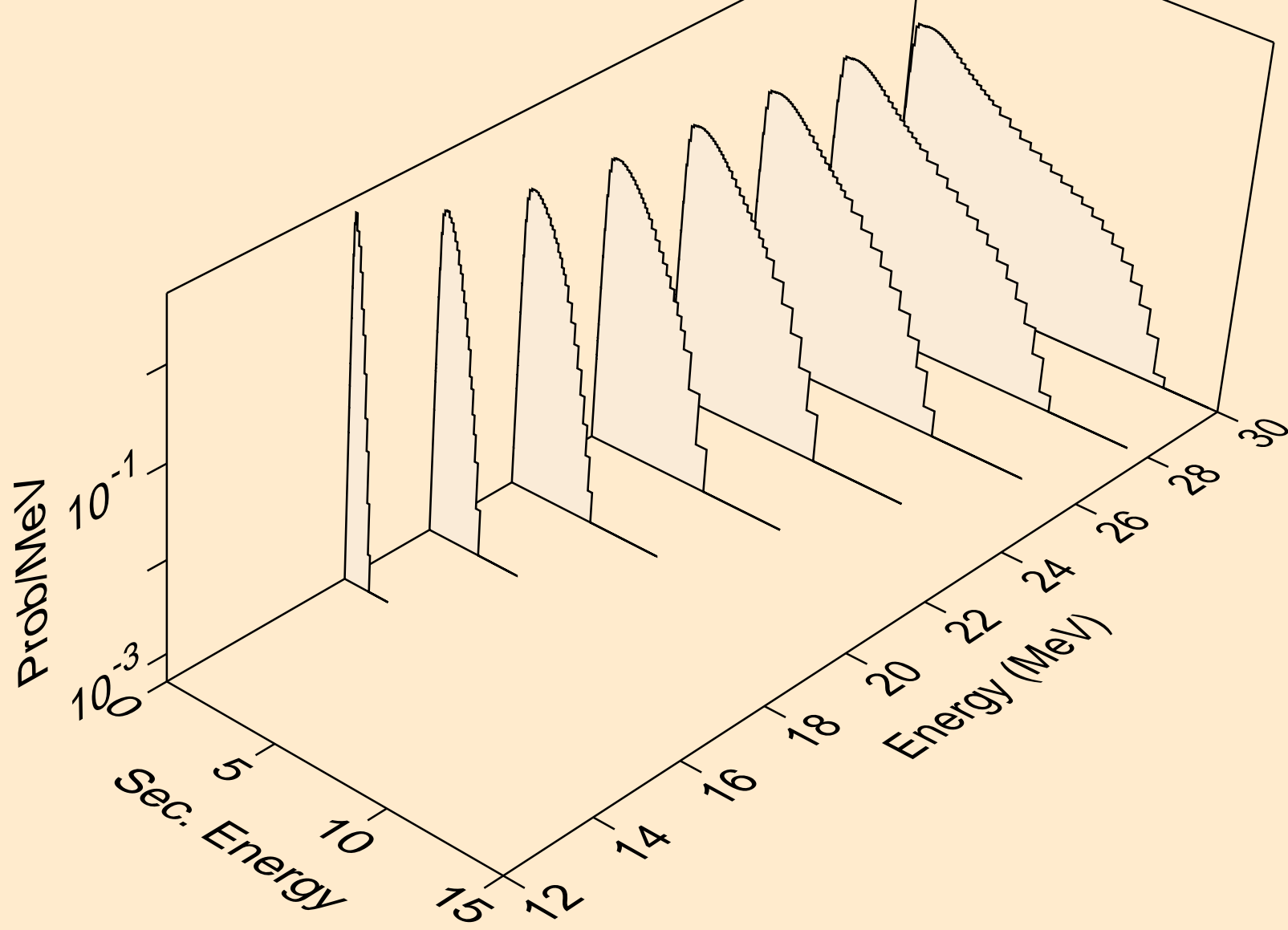
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Neutron emission for (n,n\*)t



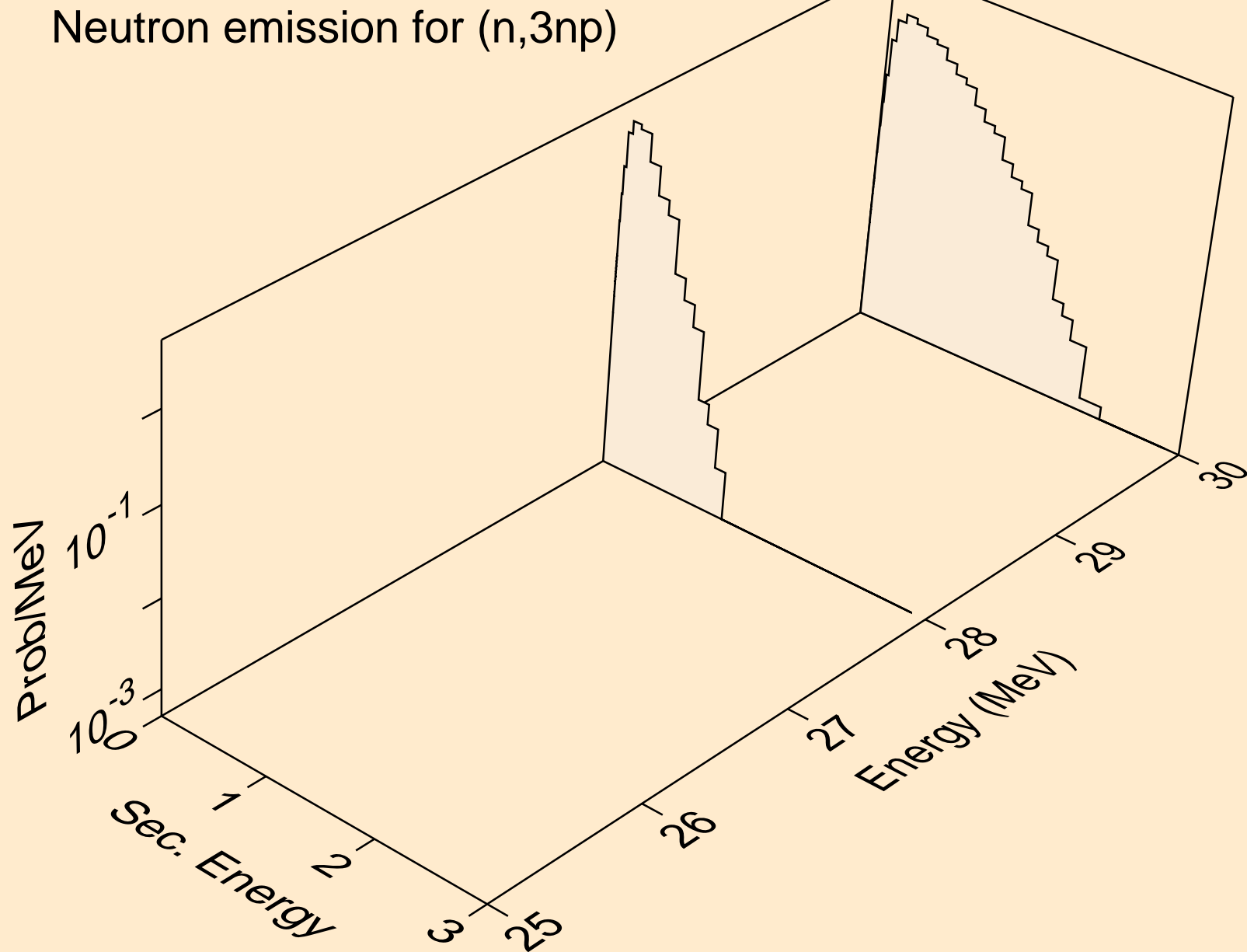
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



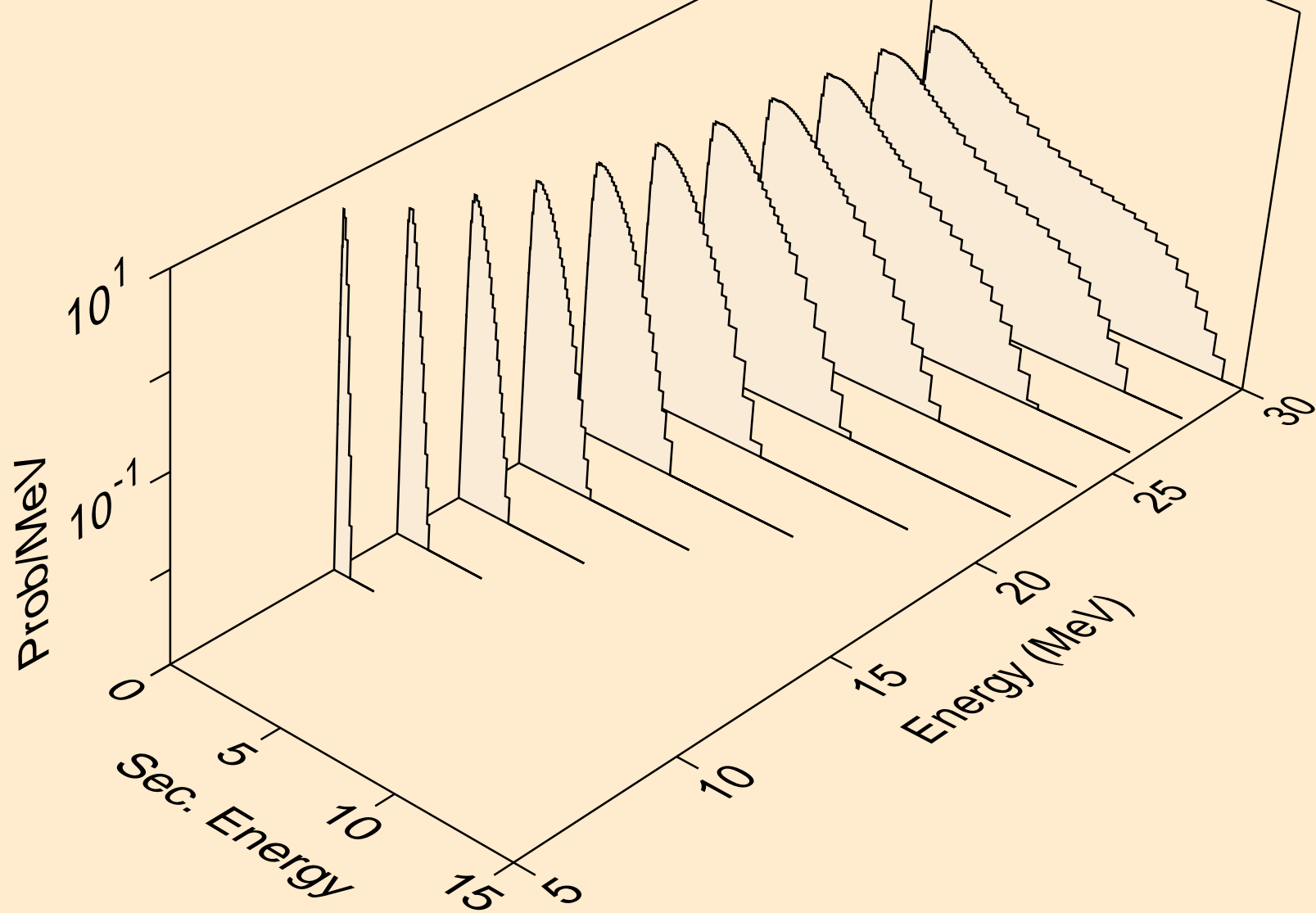
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

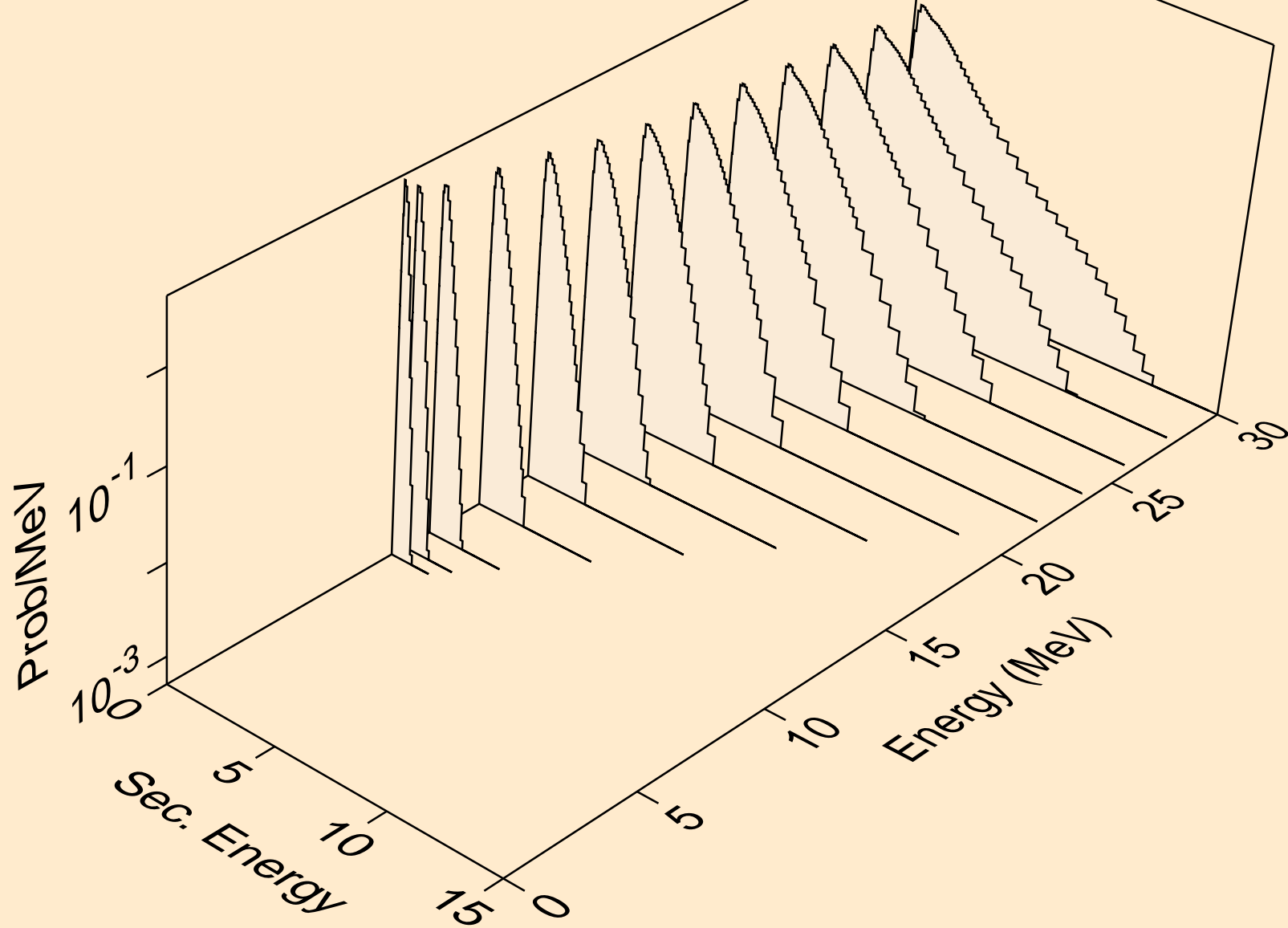


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

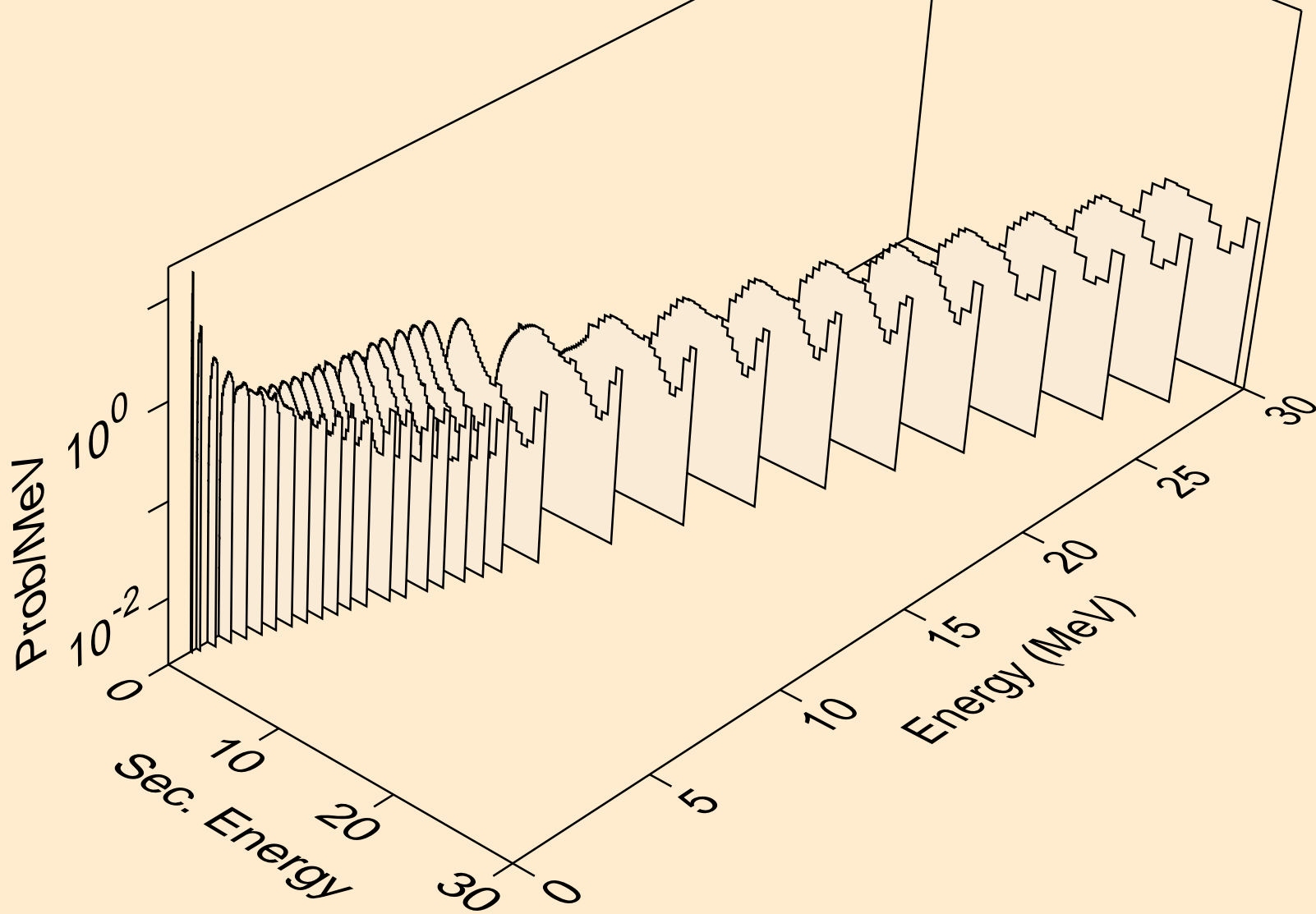




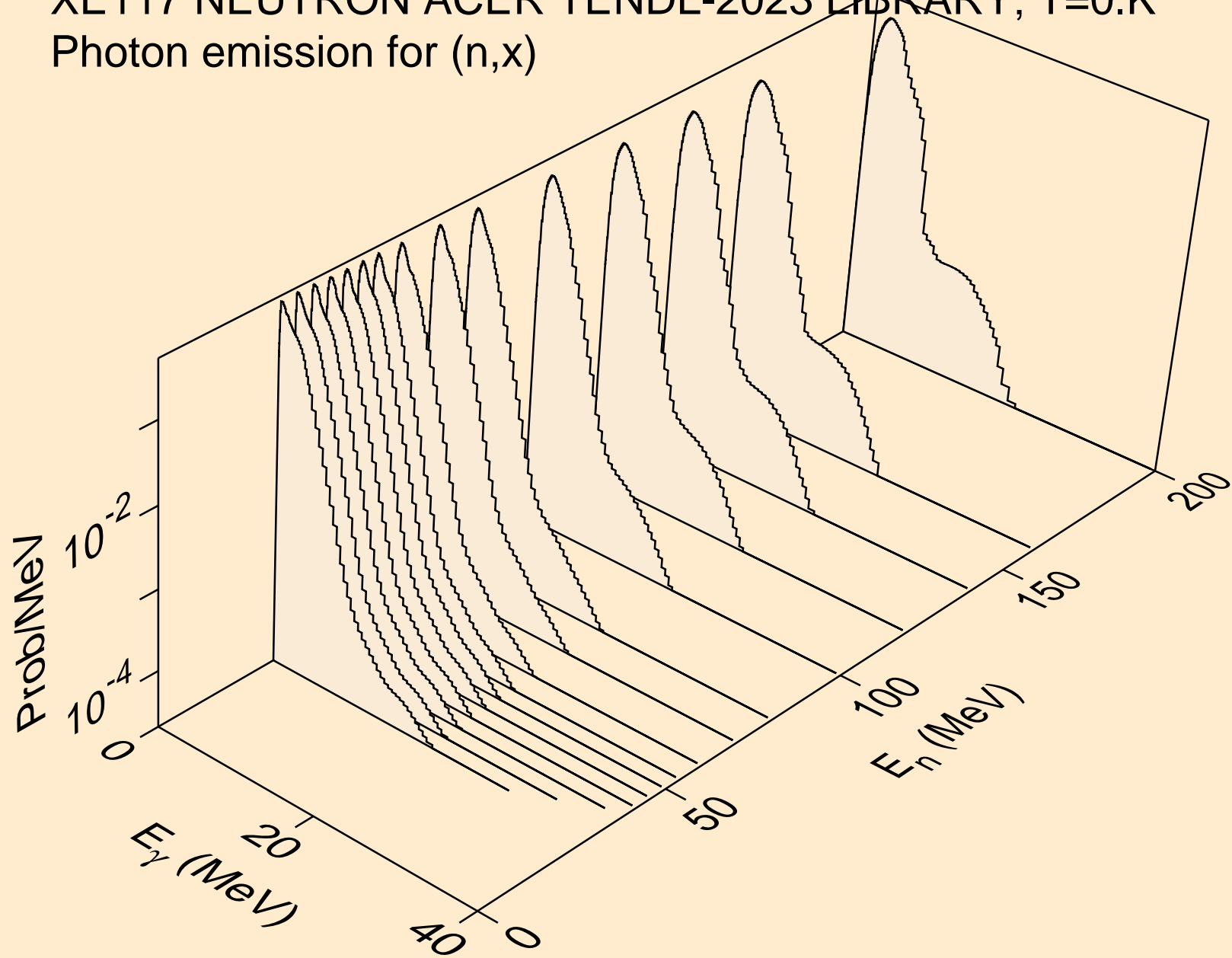
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



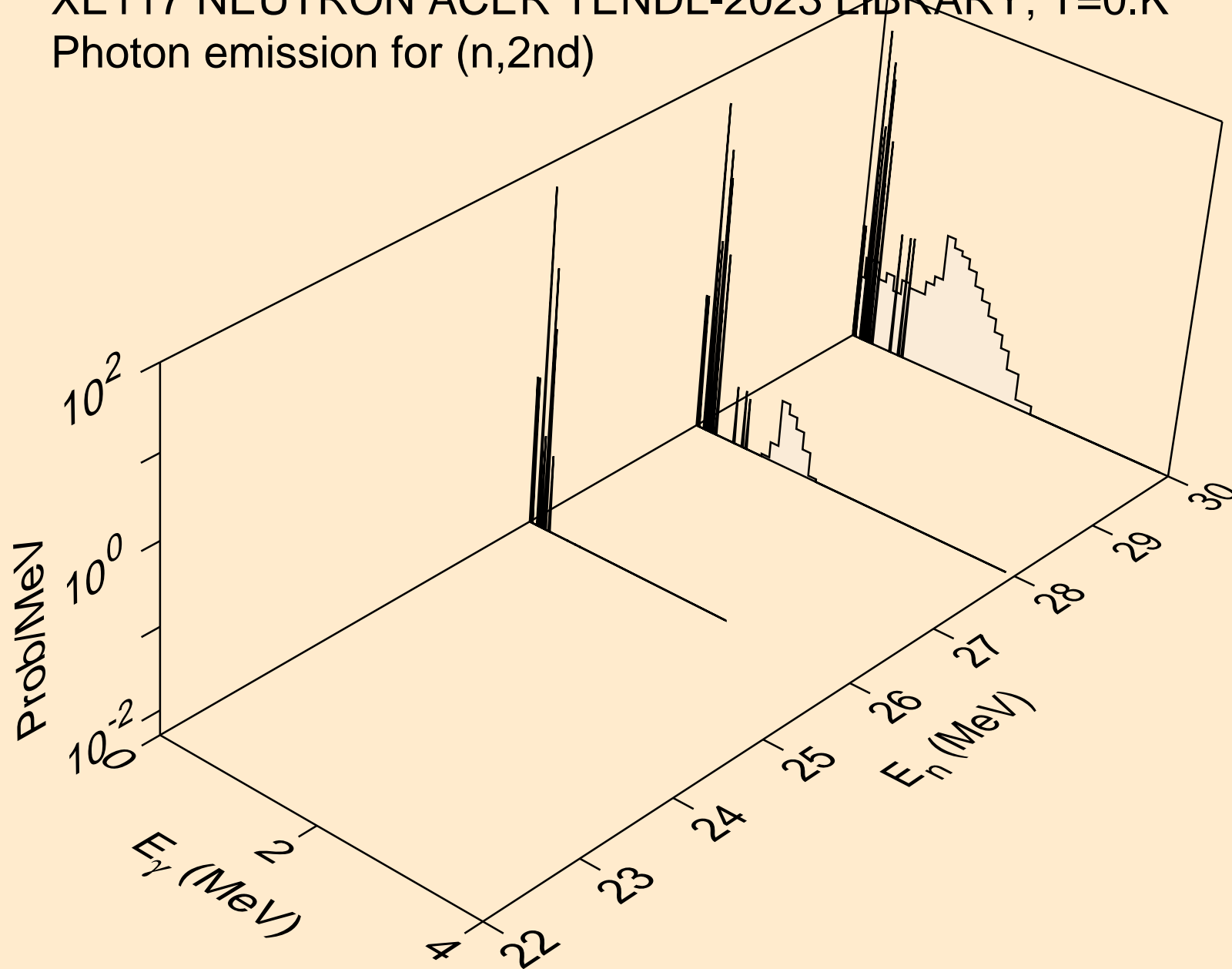
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



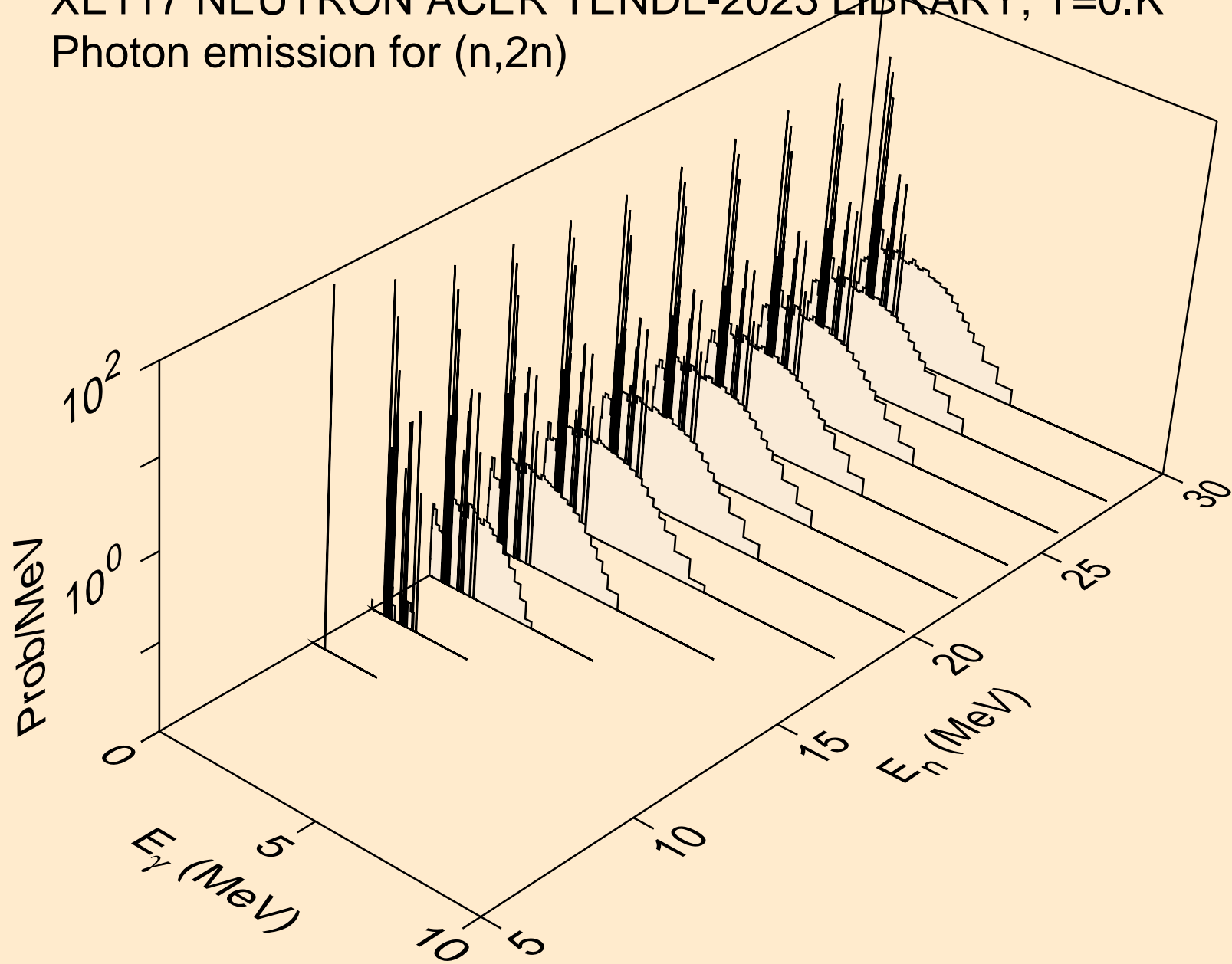
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



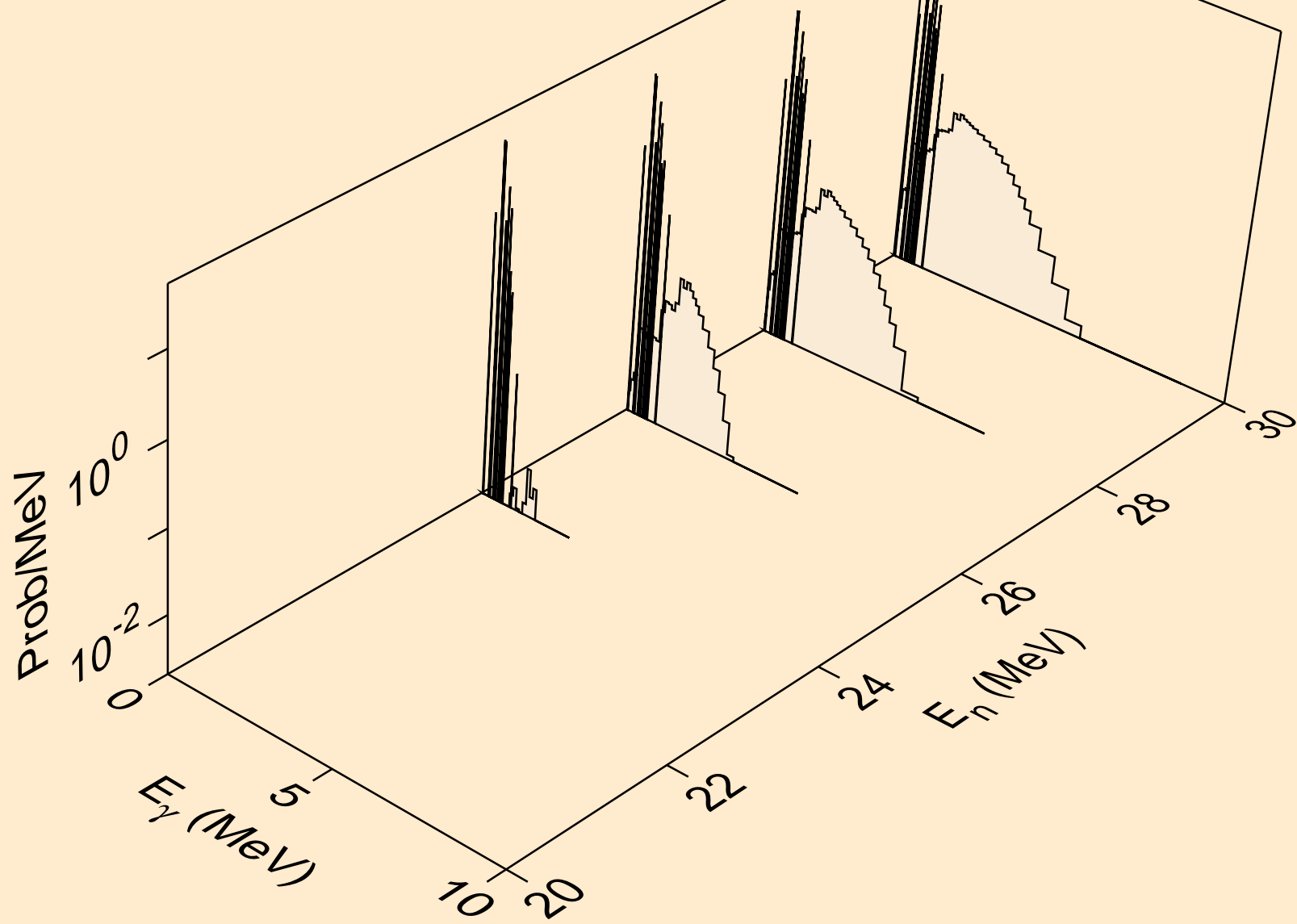
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



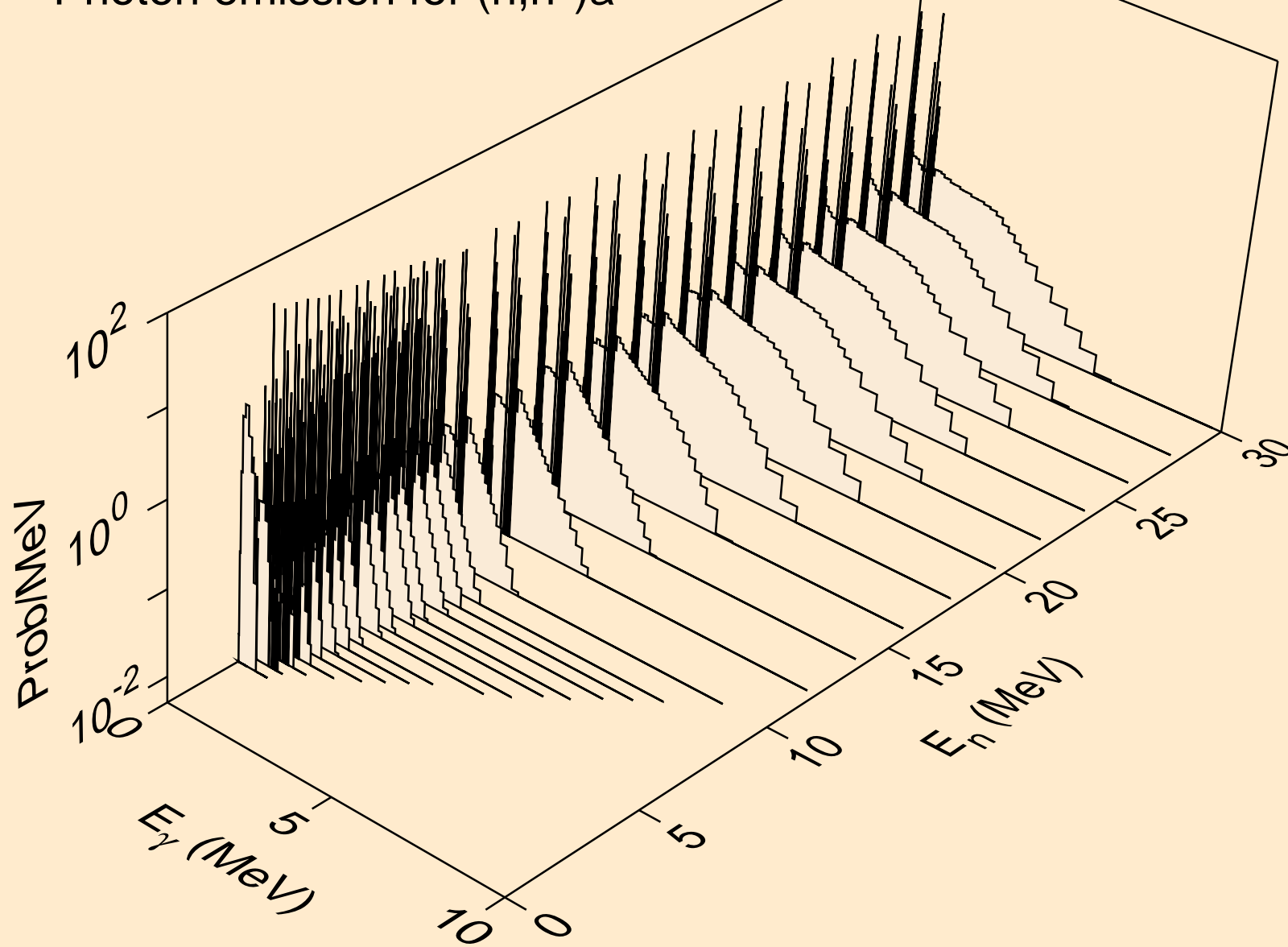
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



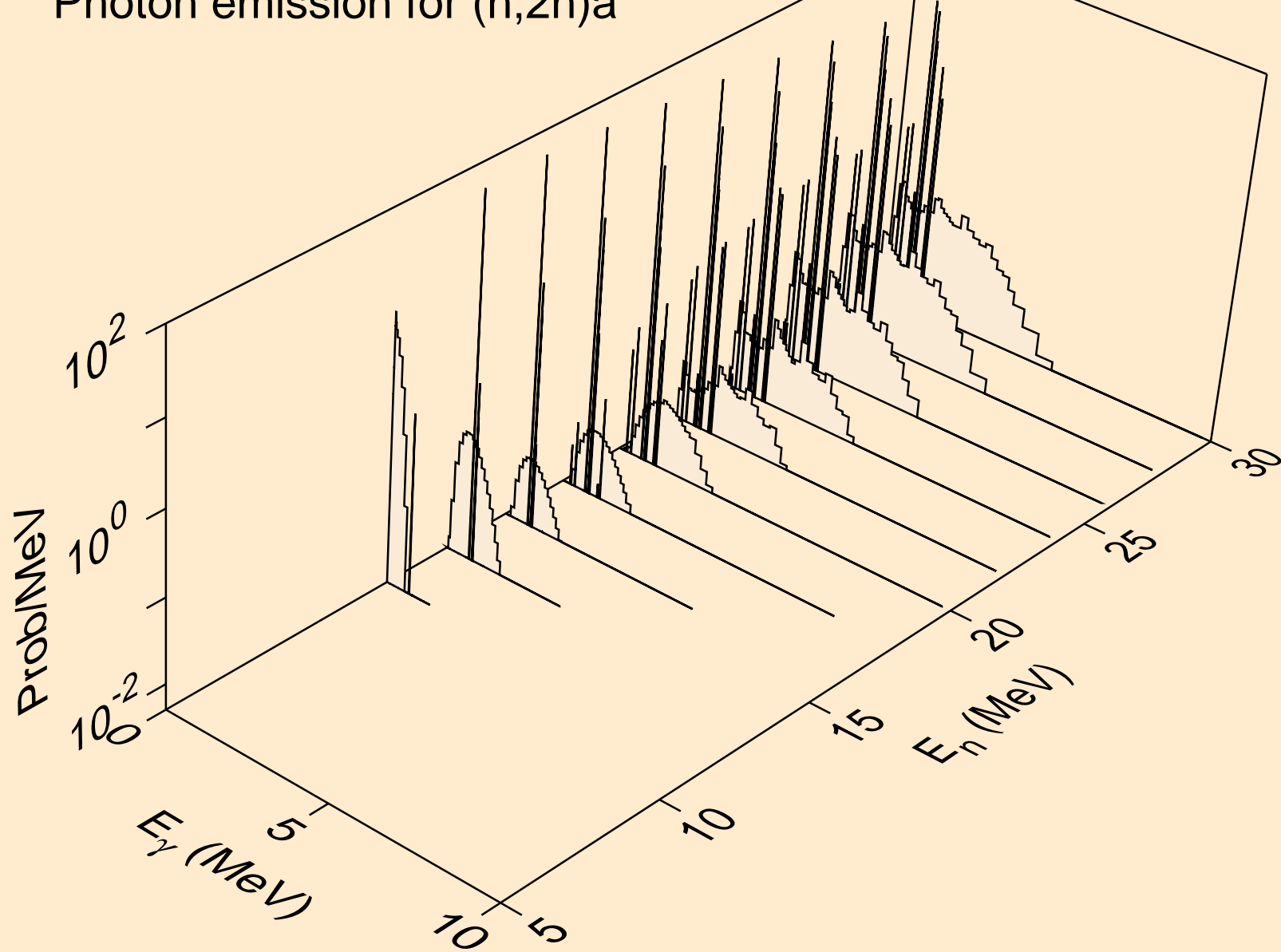
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

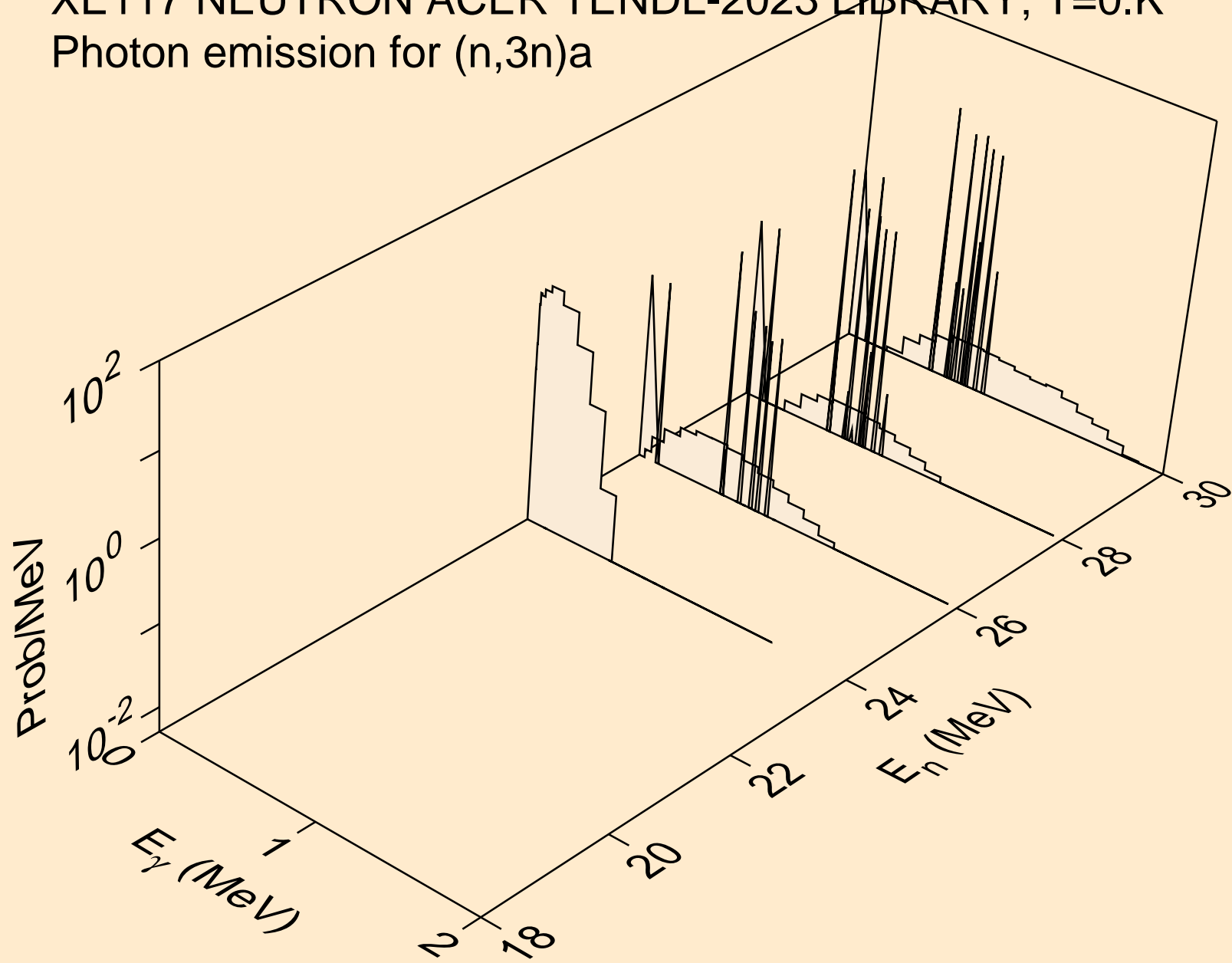


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

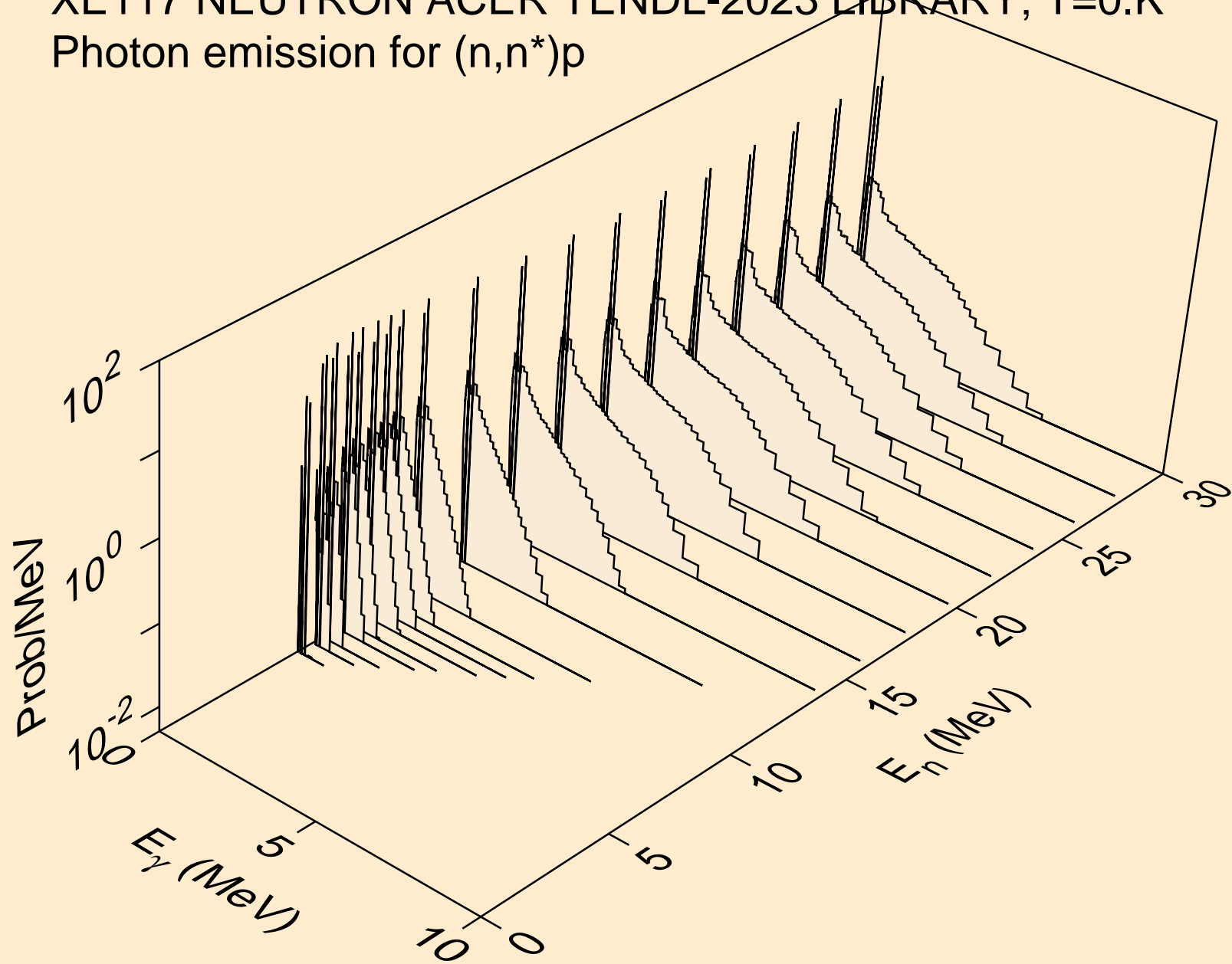




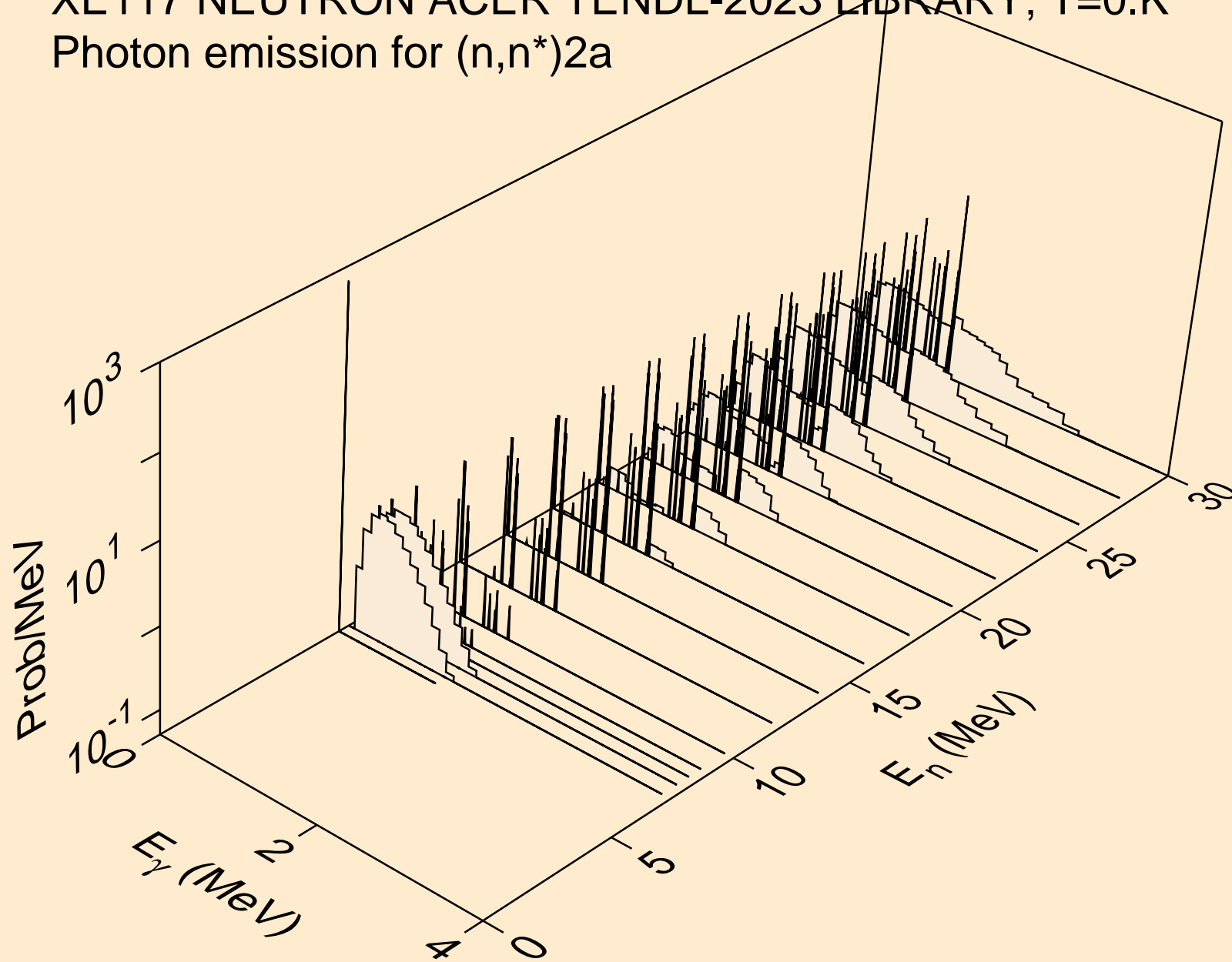
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Photon emission for (n,3n)a



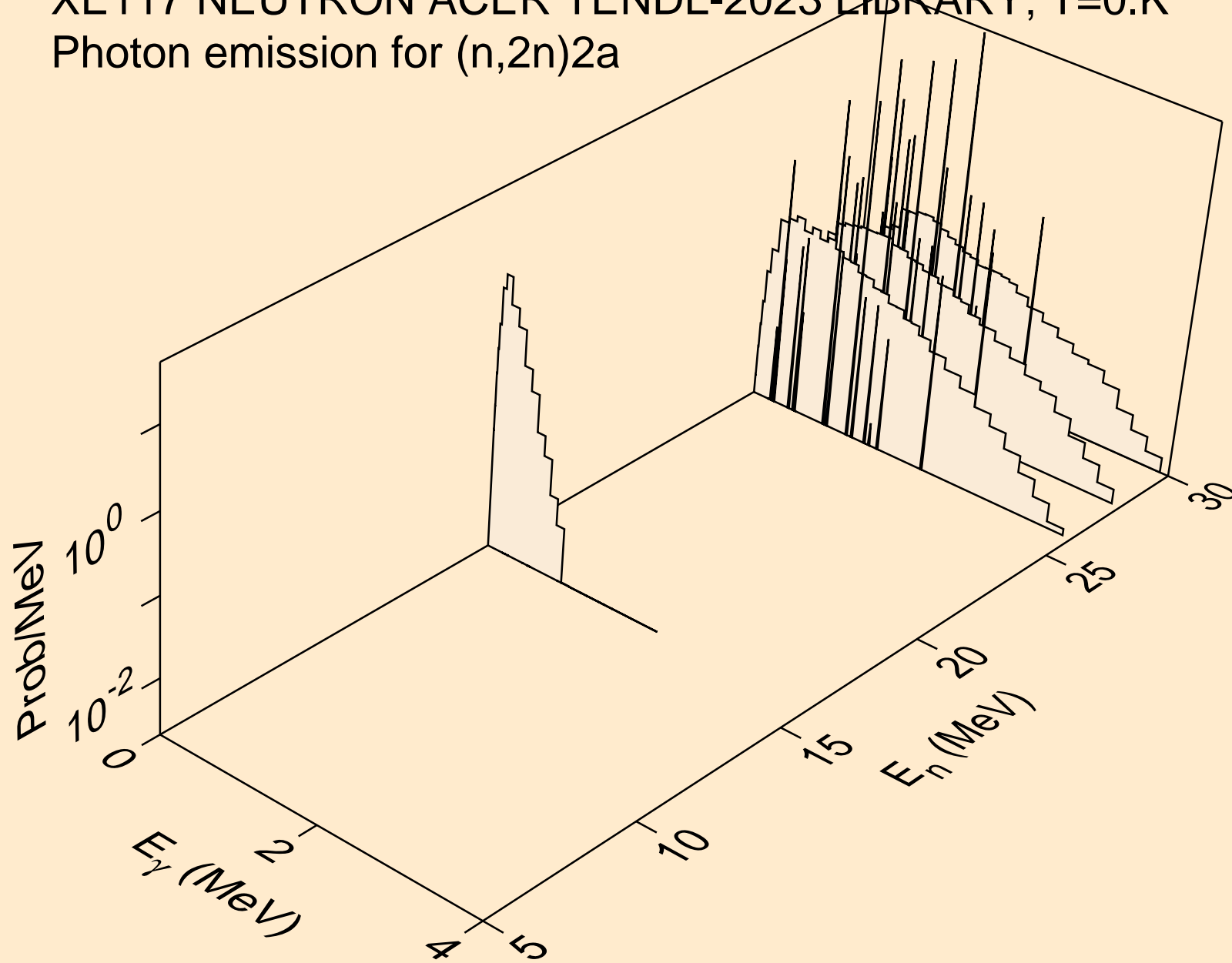
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Photon emission for (n,n\*)p



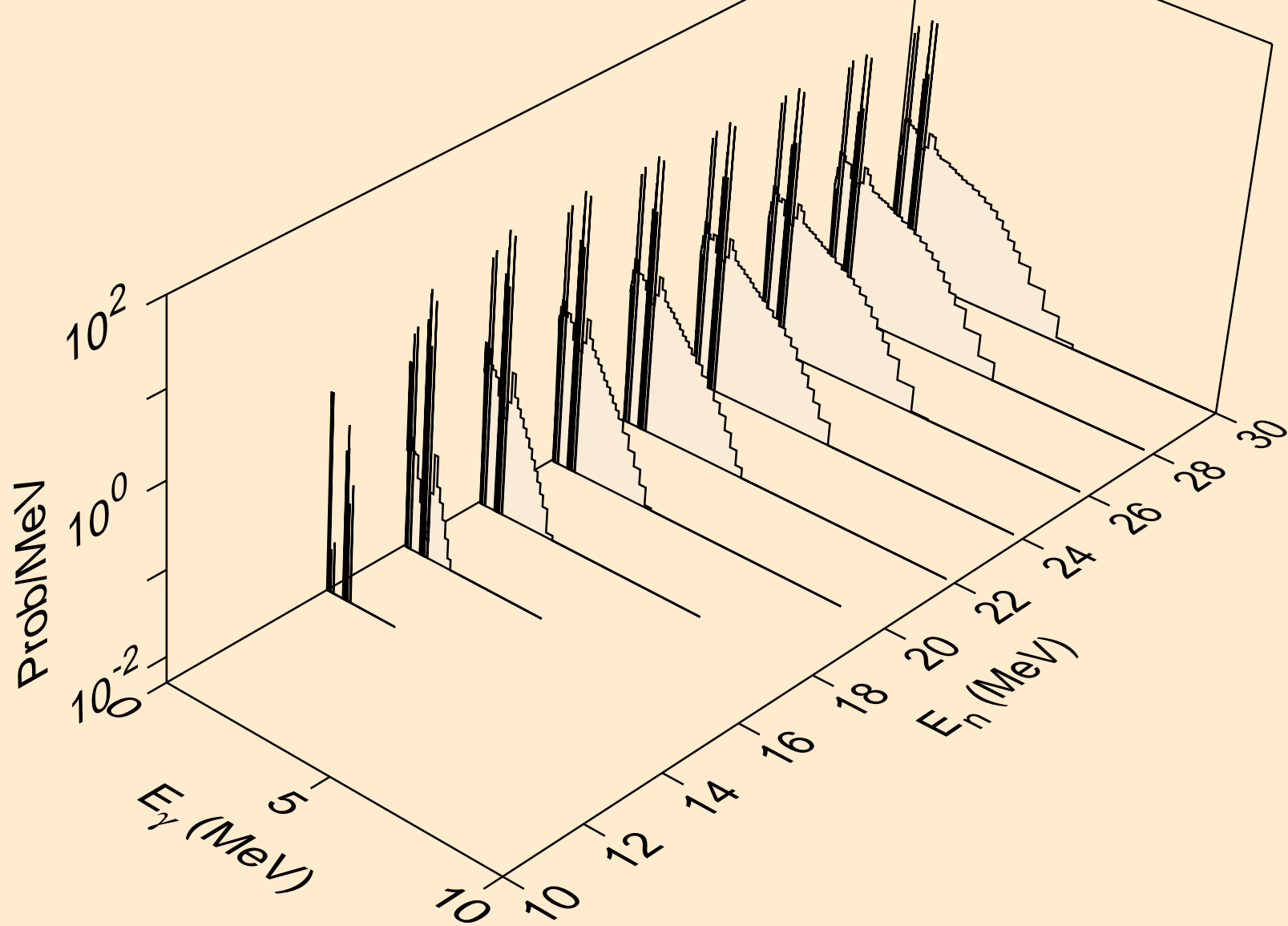
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Photon emission for (n,n\*)2a



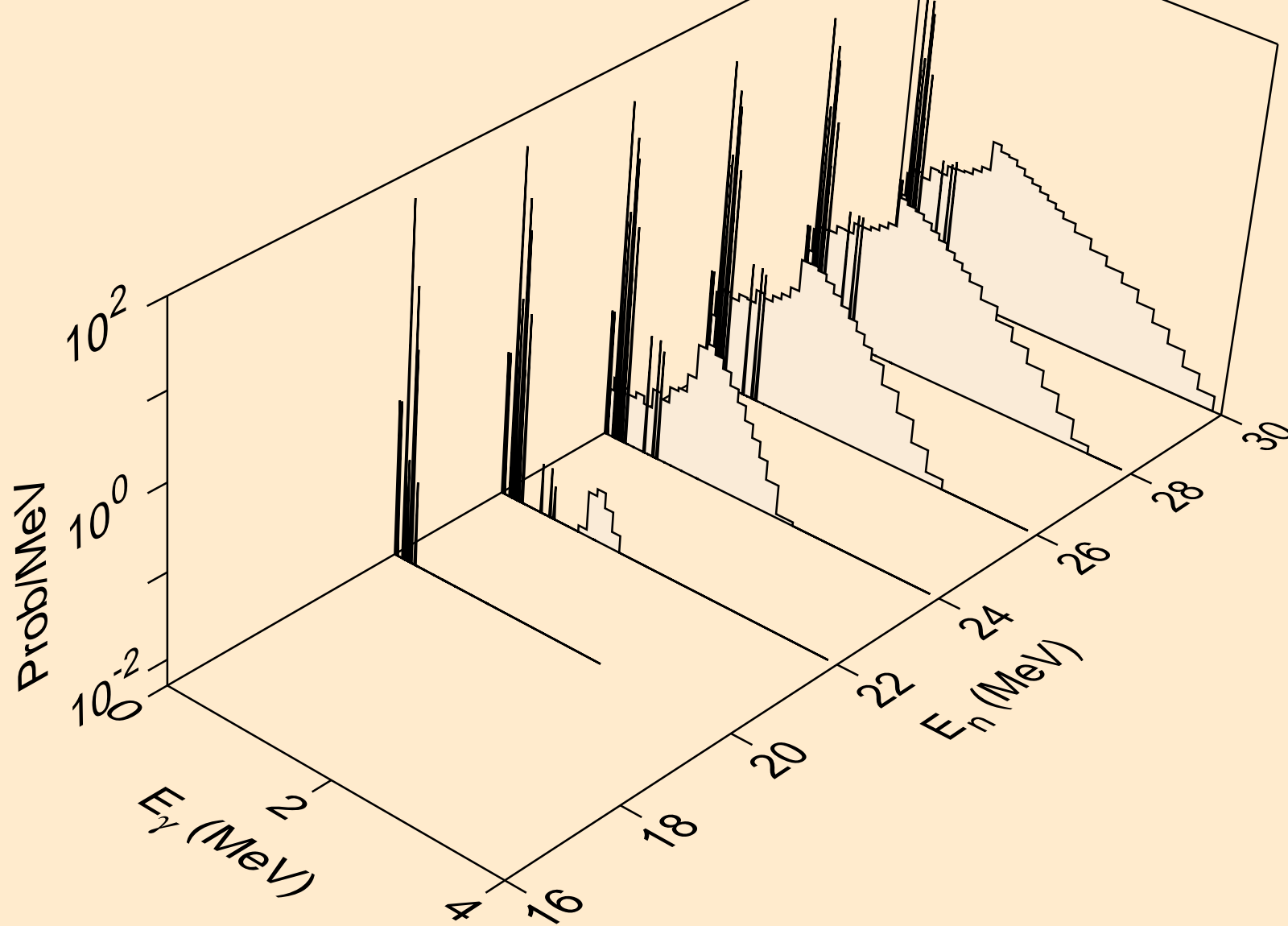
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Photon emission for (n,2n)2a



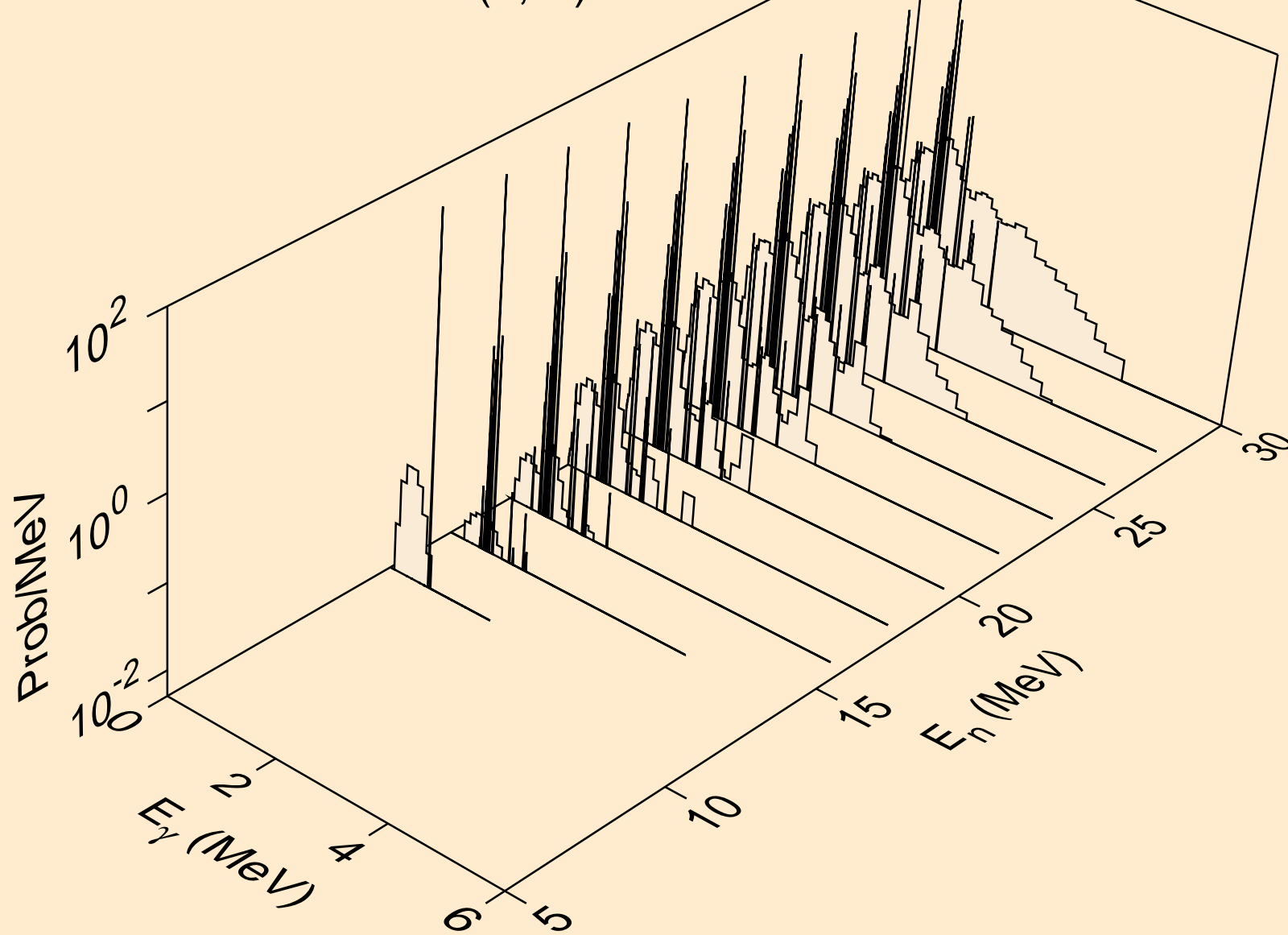
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Photon emission for (n,n\*)d



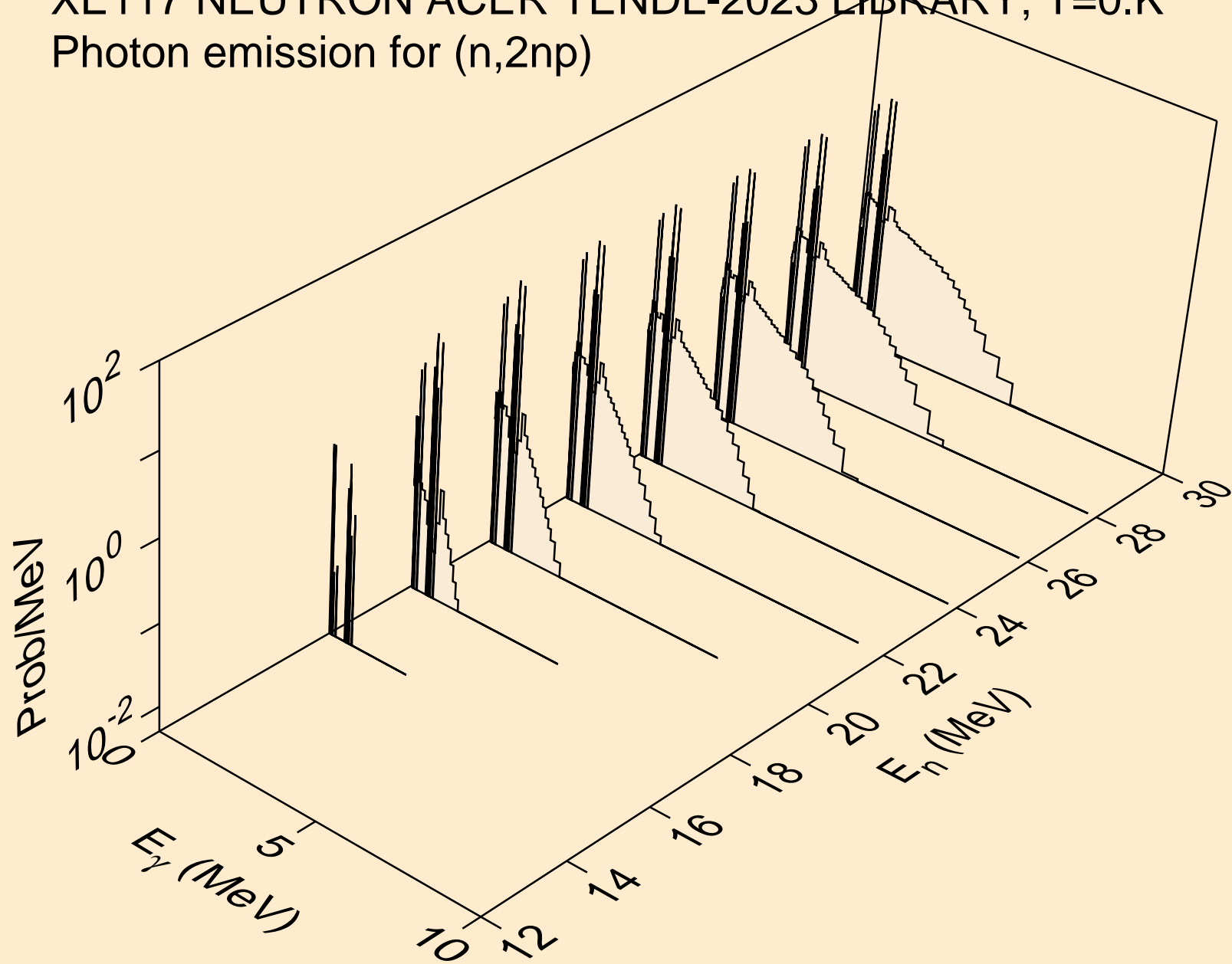
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

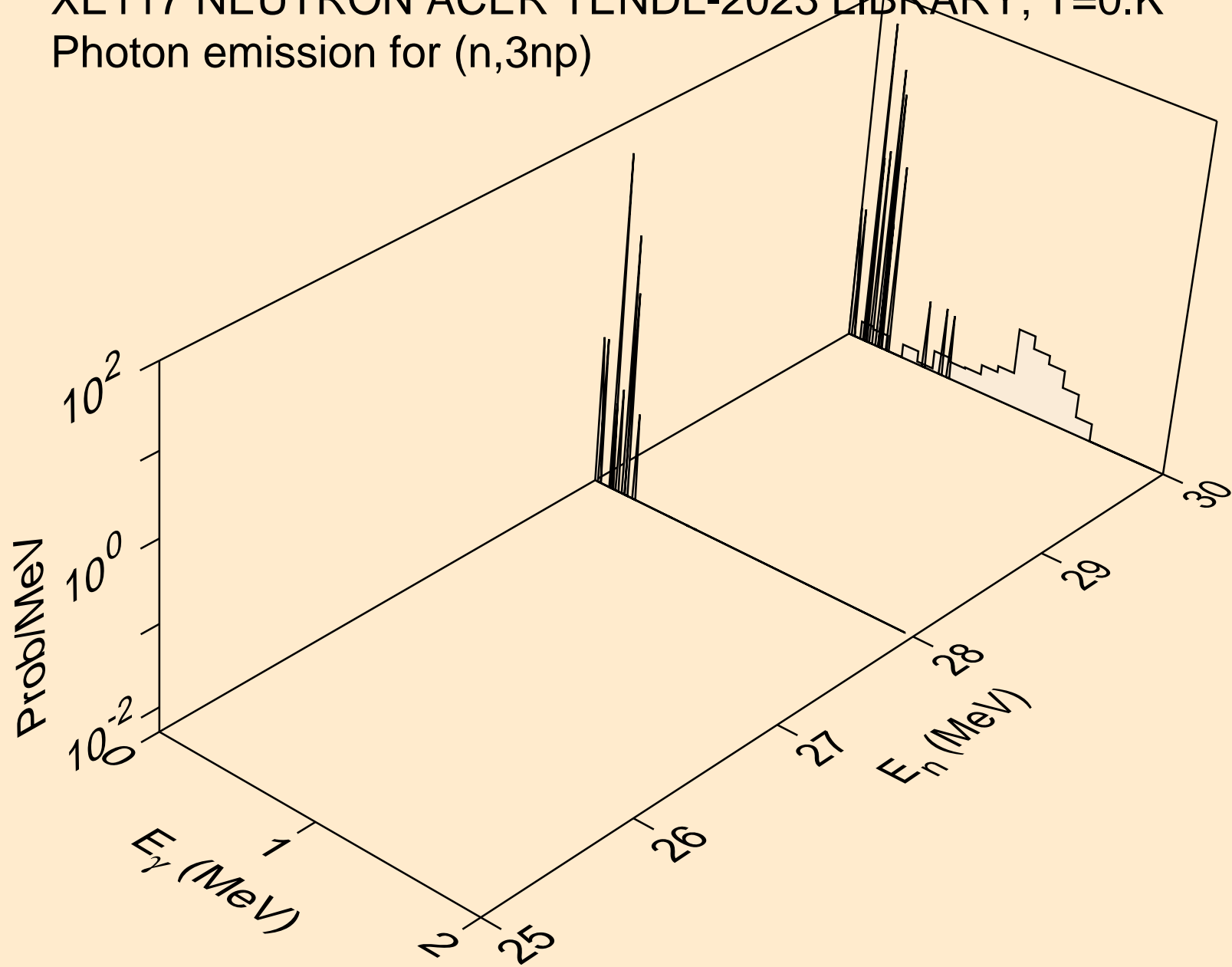


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Photon emission for (n,2np)

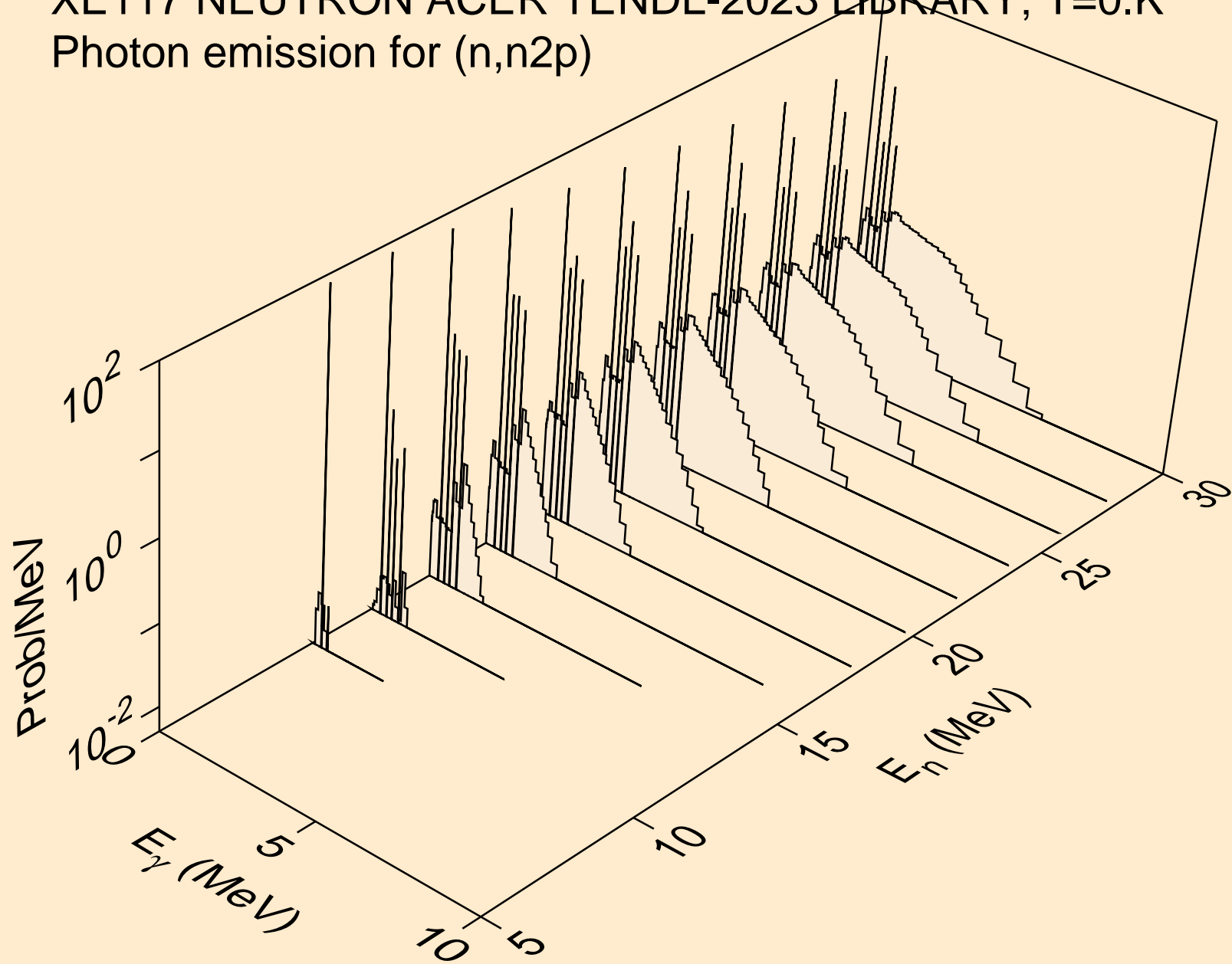




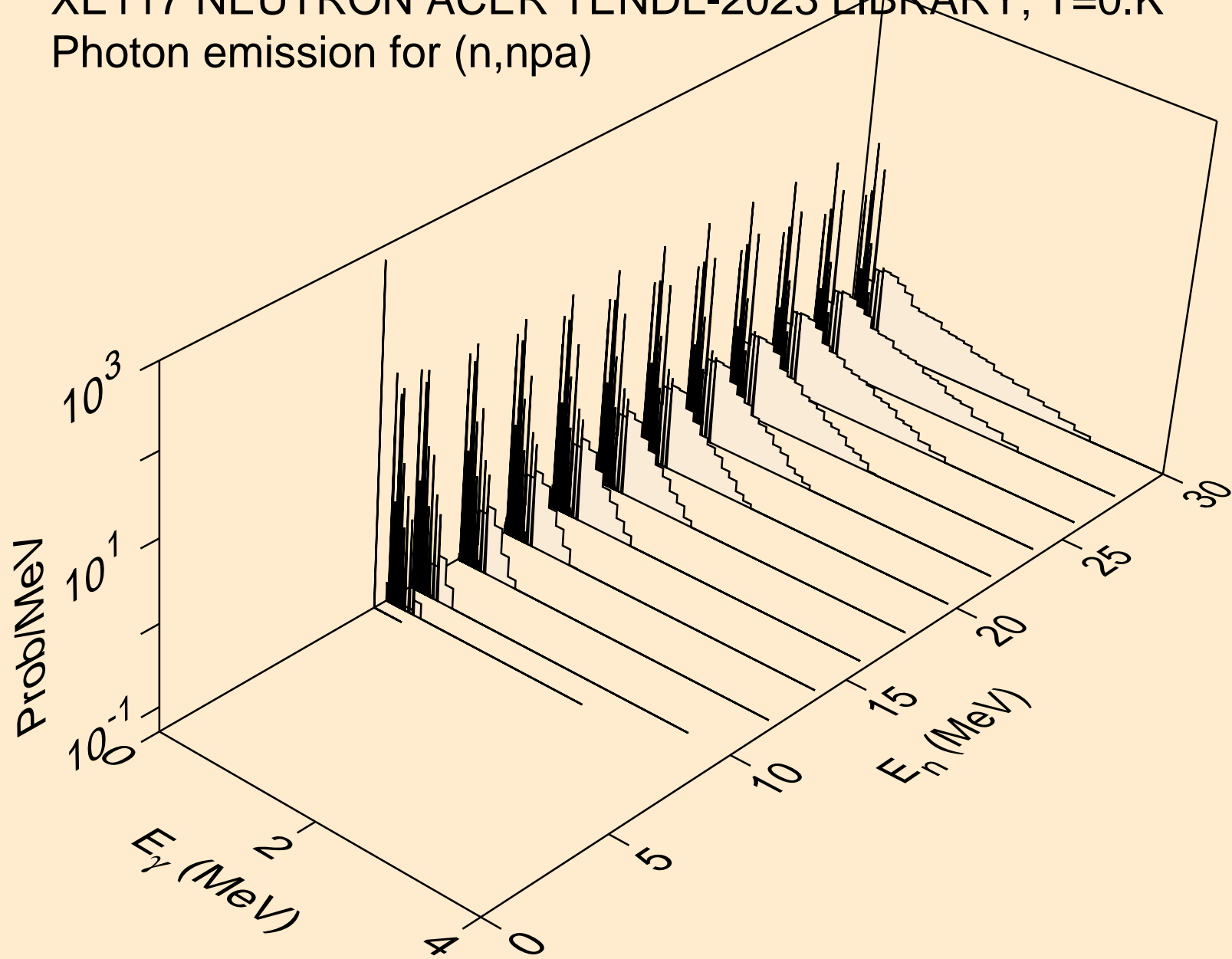
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Photon emission for (n,3np)



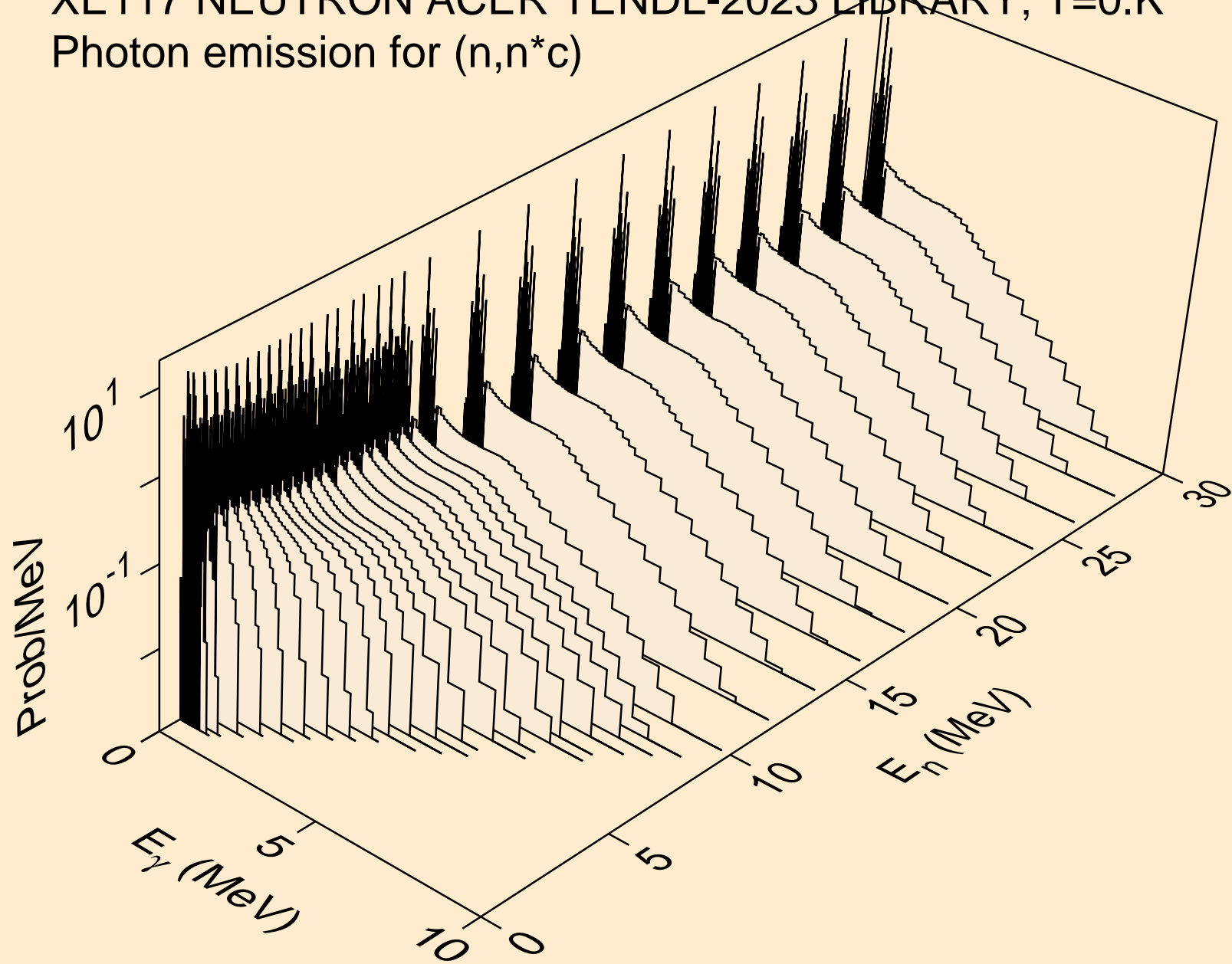
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Photon emission for (n,n2p)



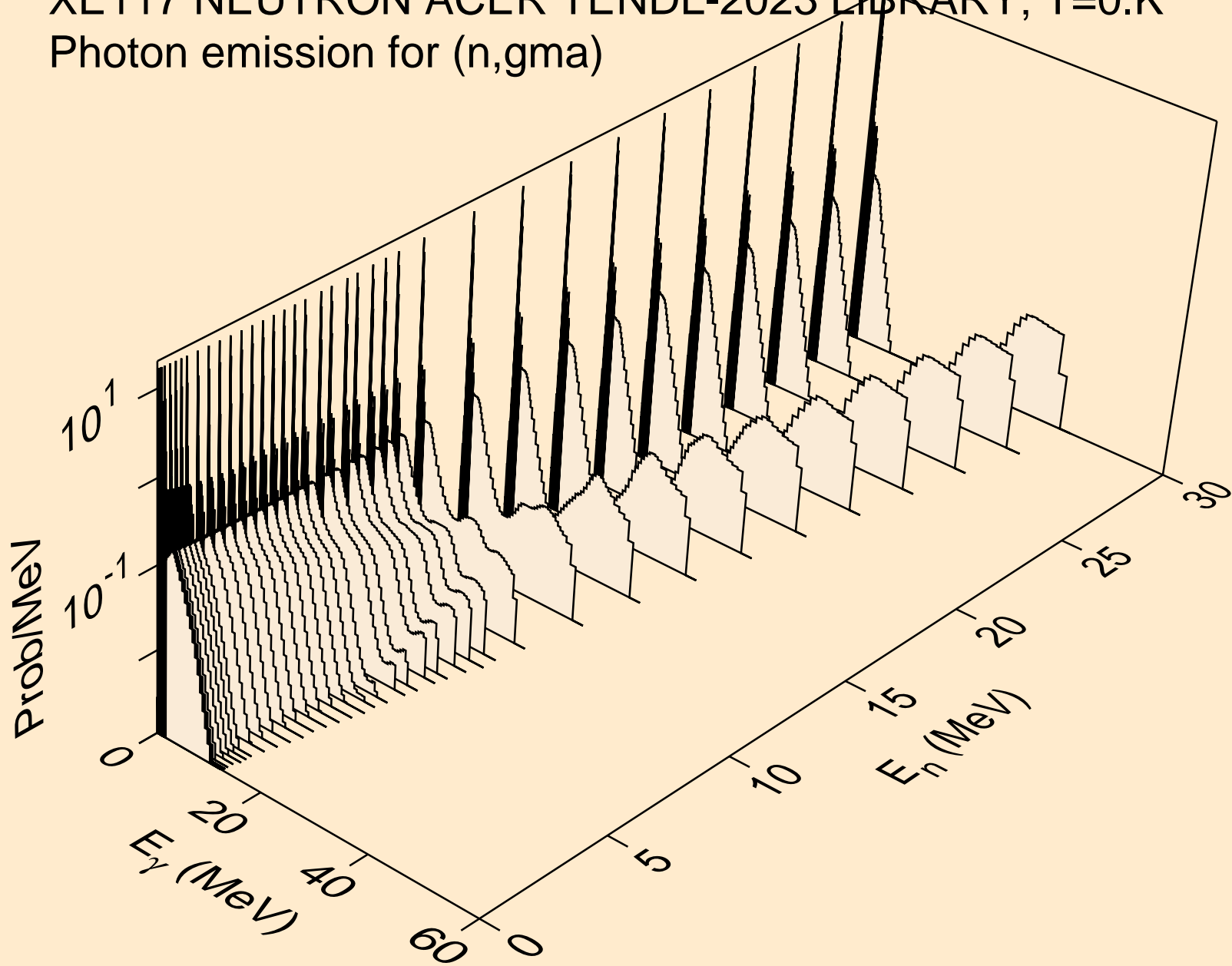
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Photon emission for (n,npa)



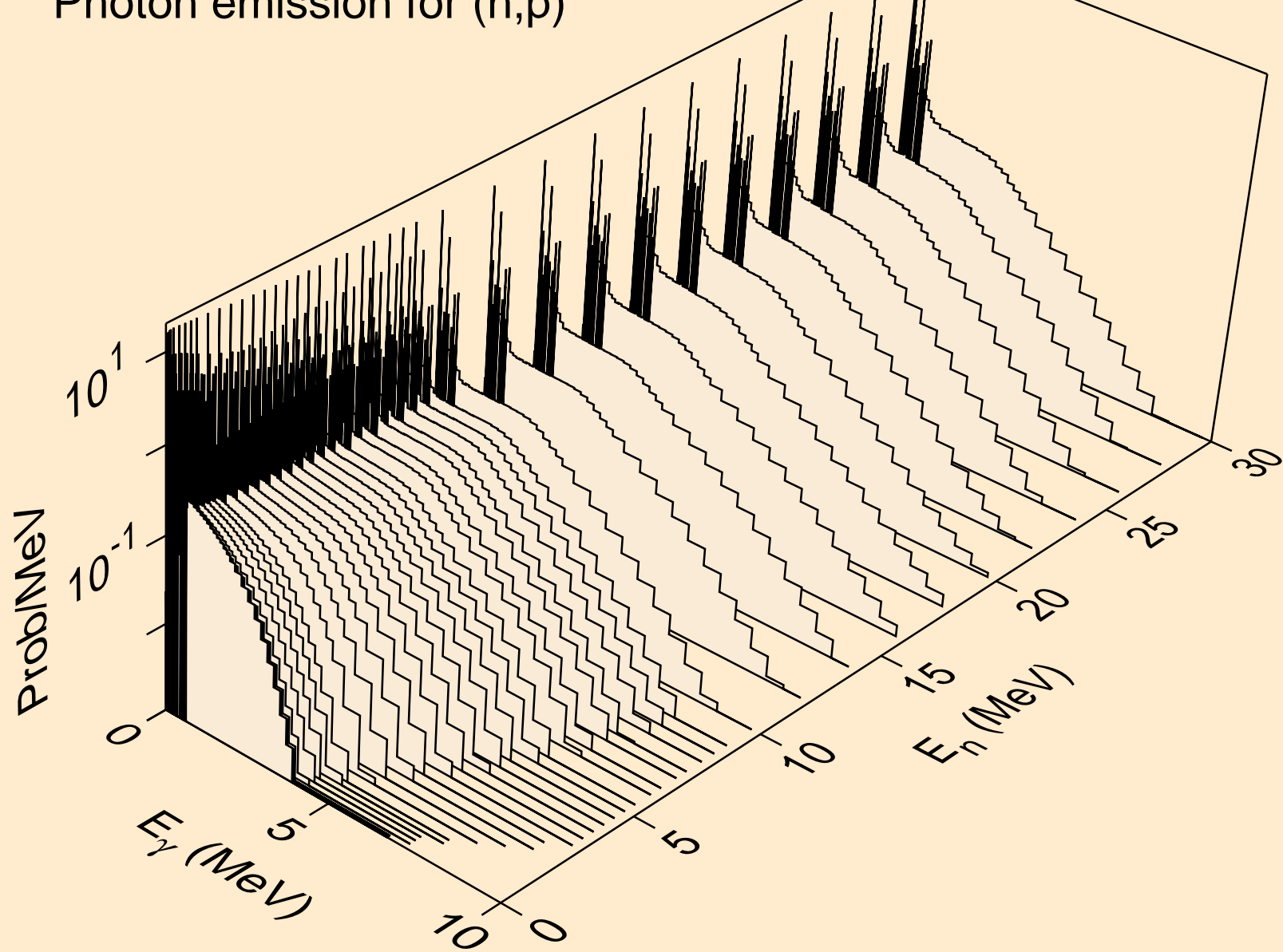
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Photon emission for (n,n\*c)



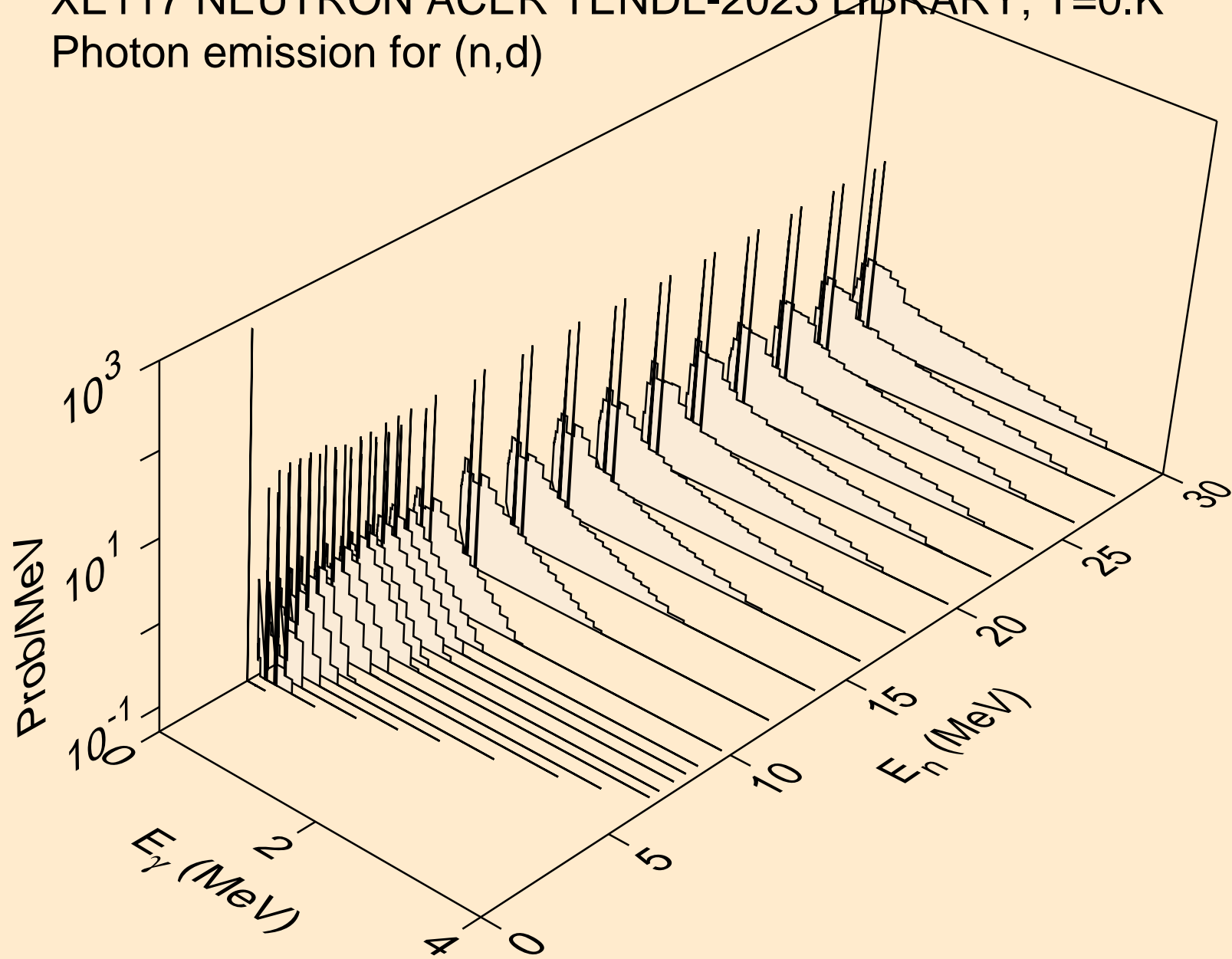
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Photon emission for (n,gma)



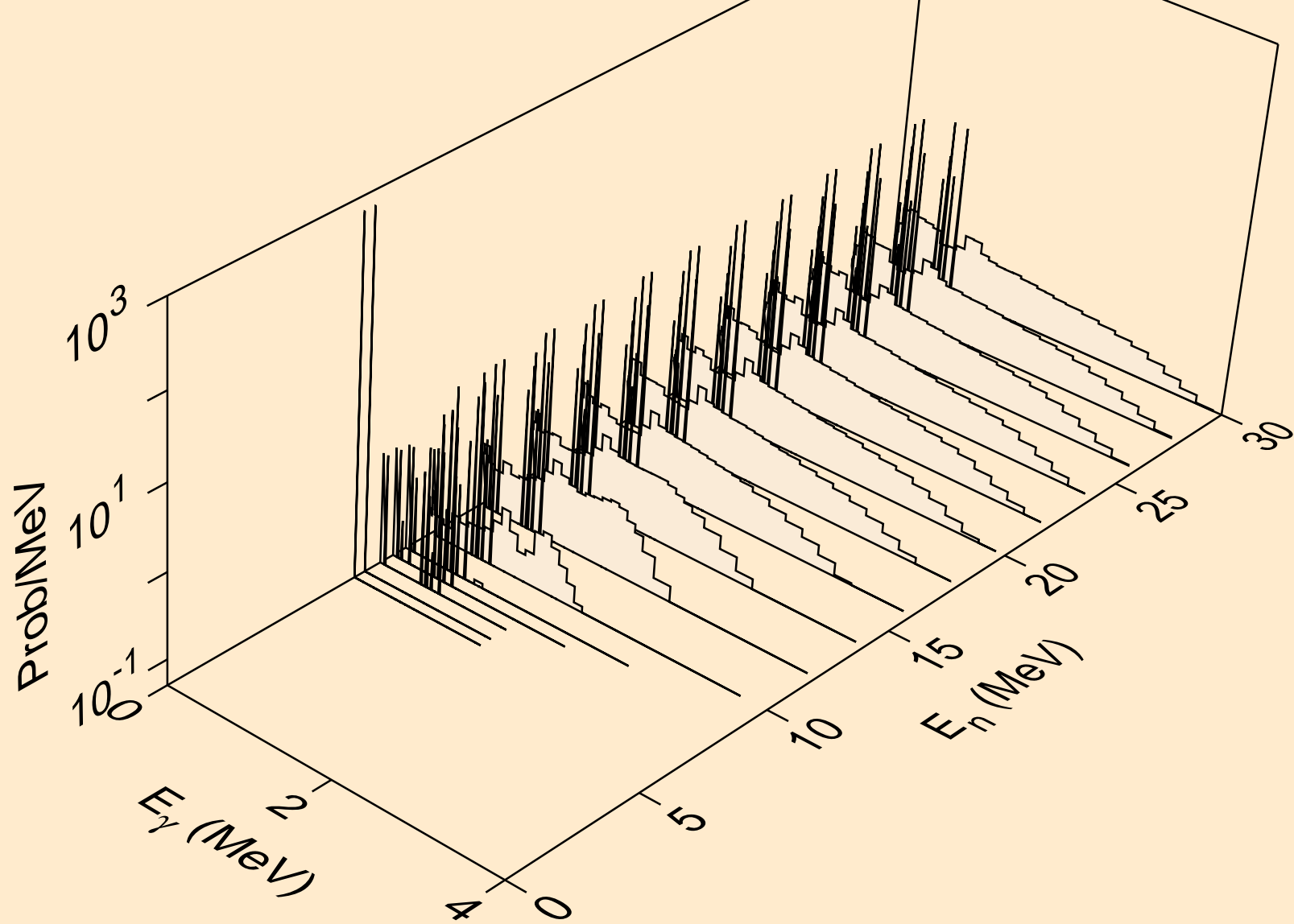
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

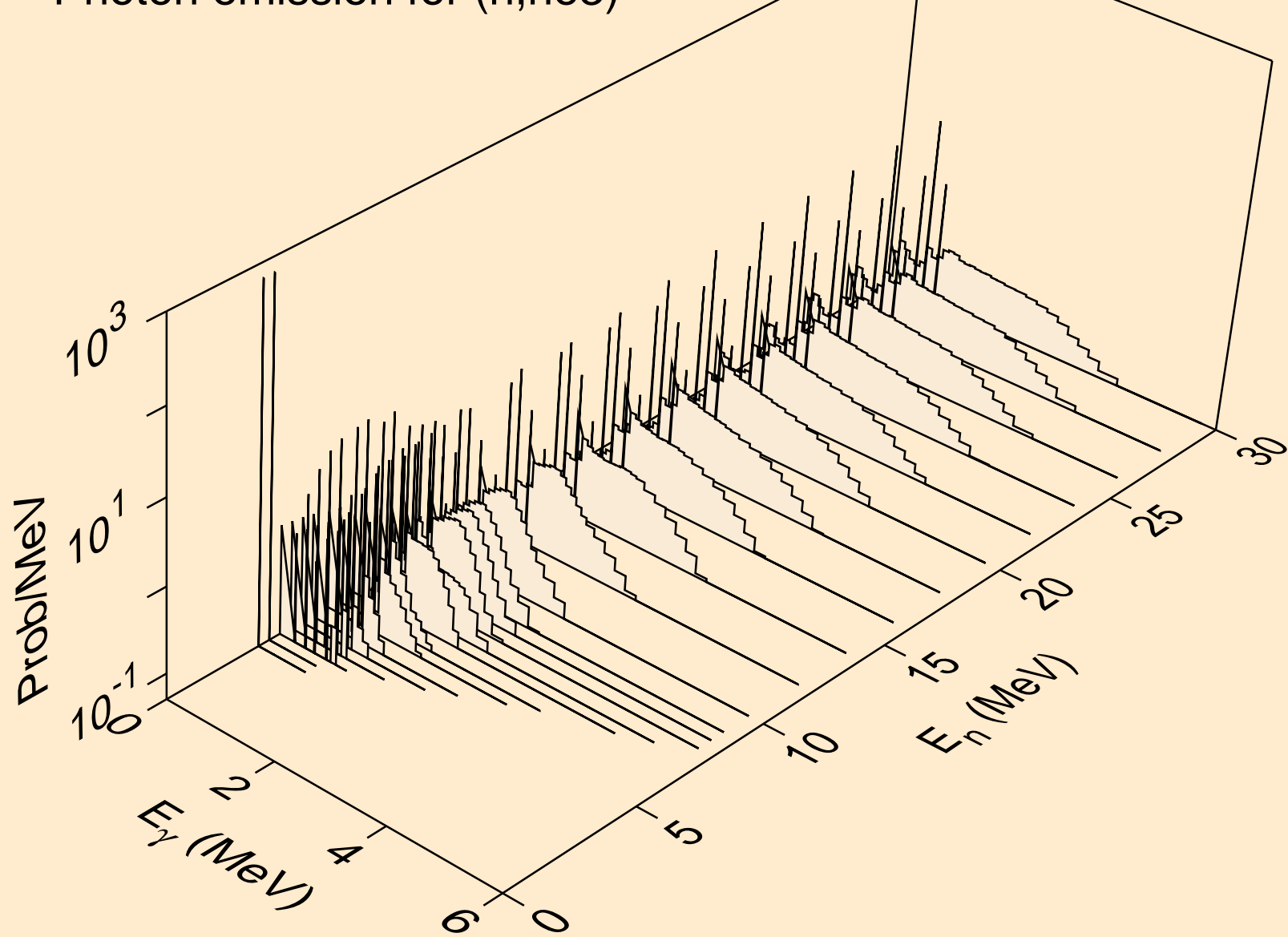


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

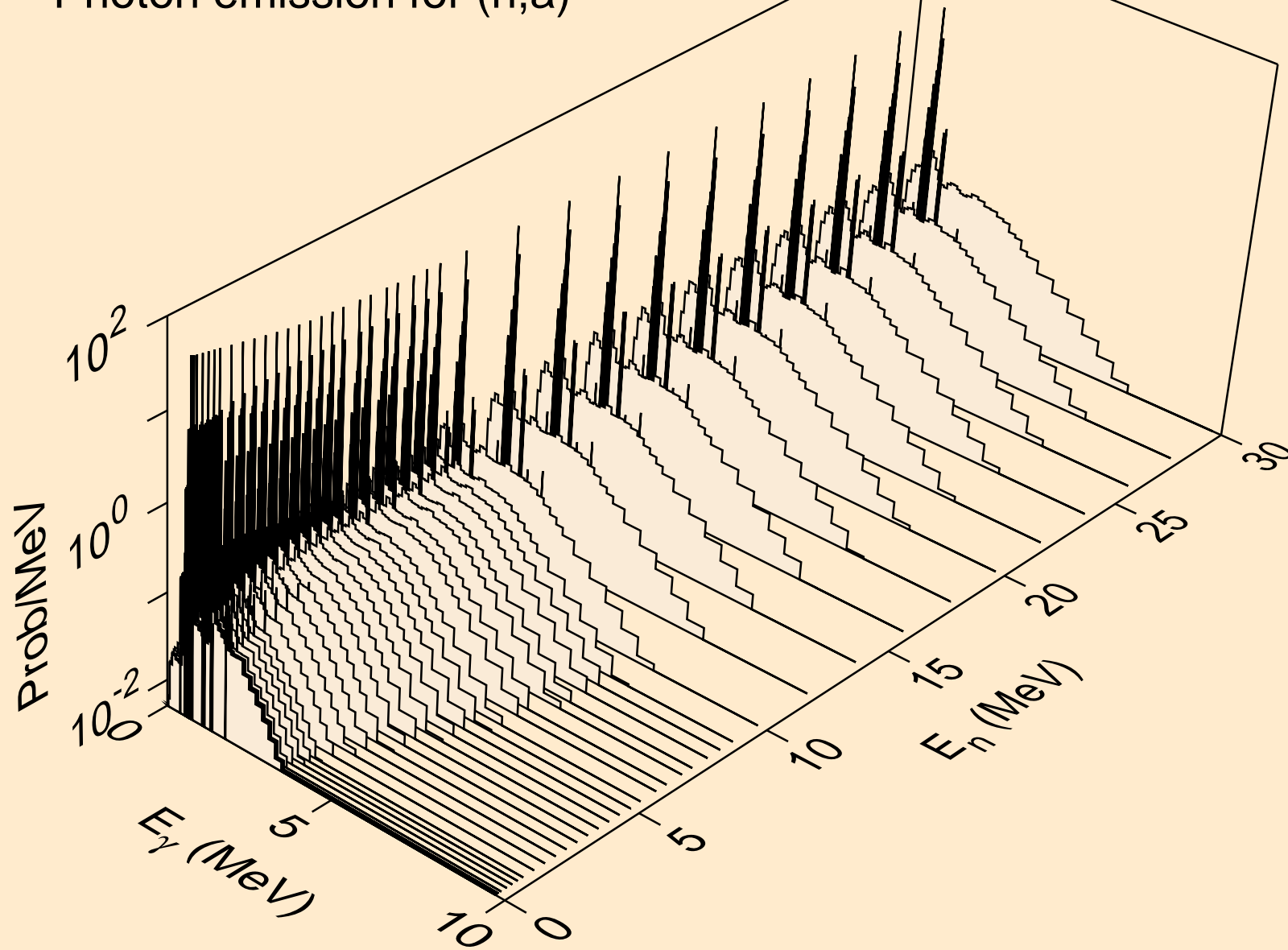




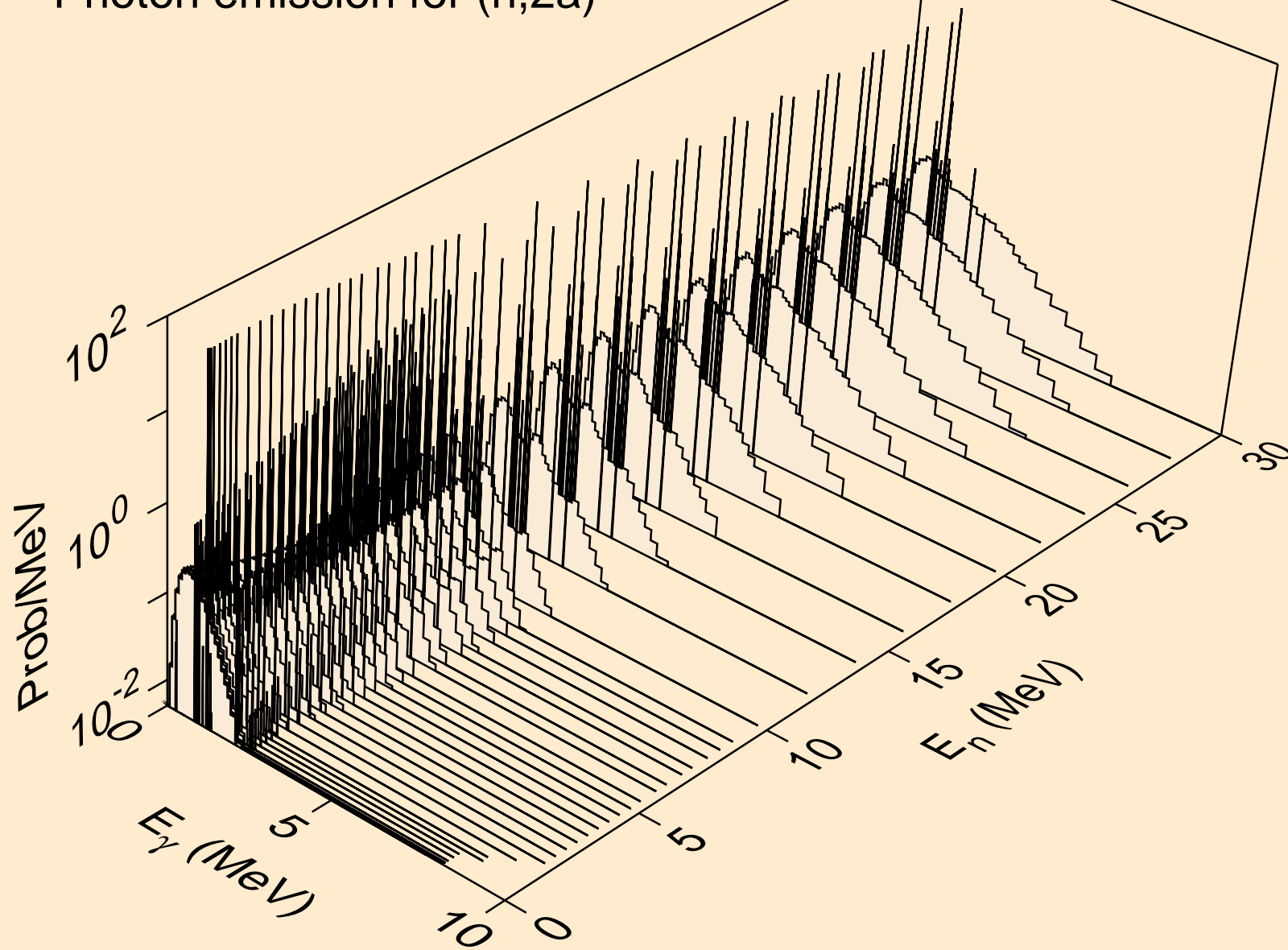
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Photon emission for (n,he3)



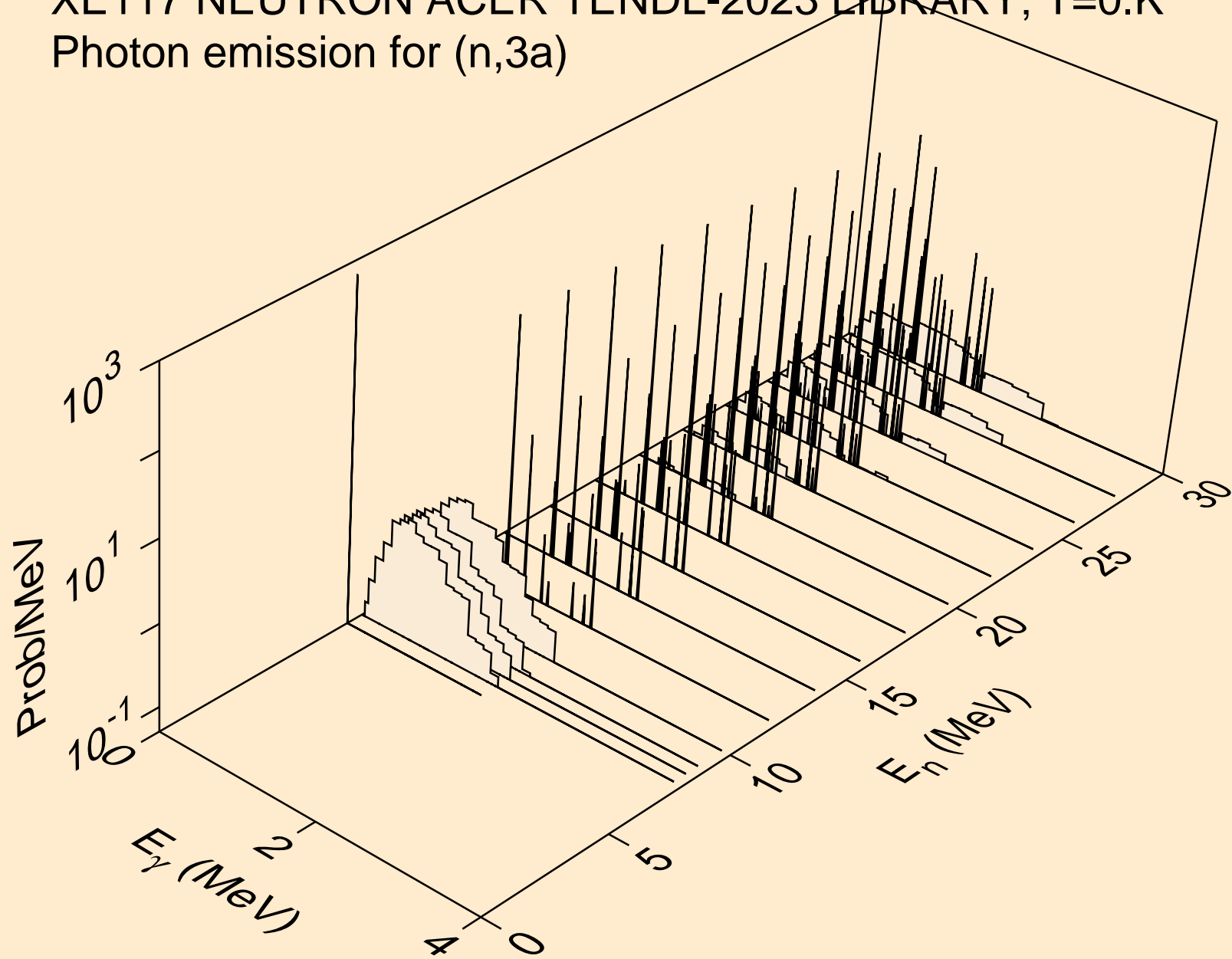
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Photon emission for (n,a)



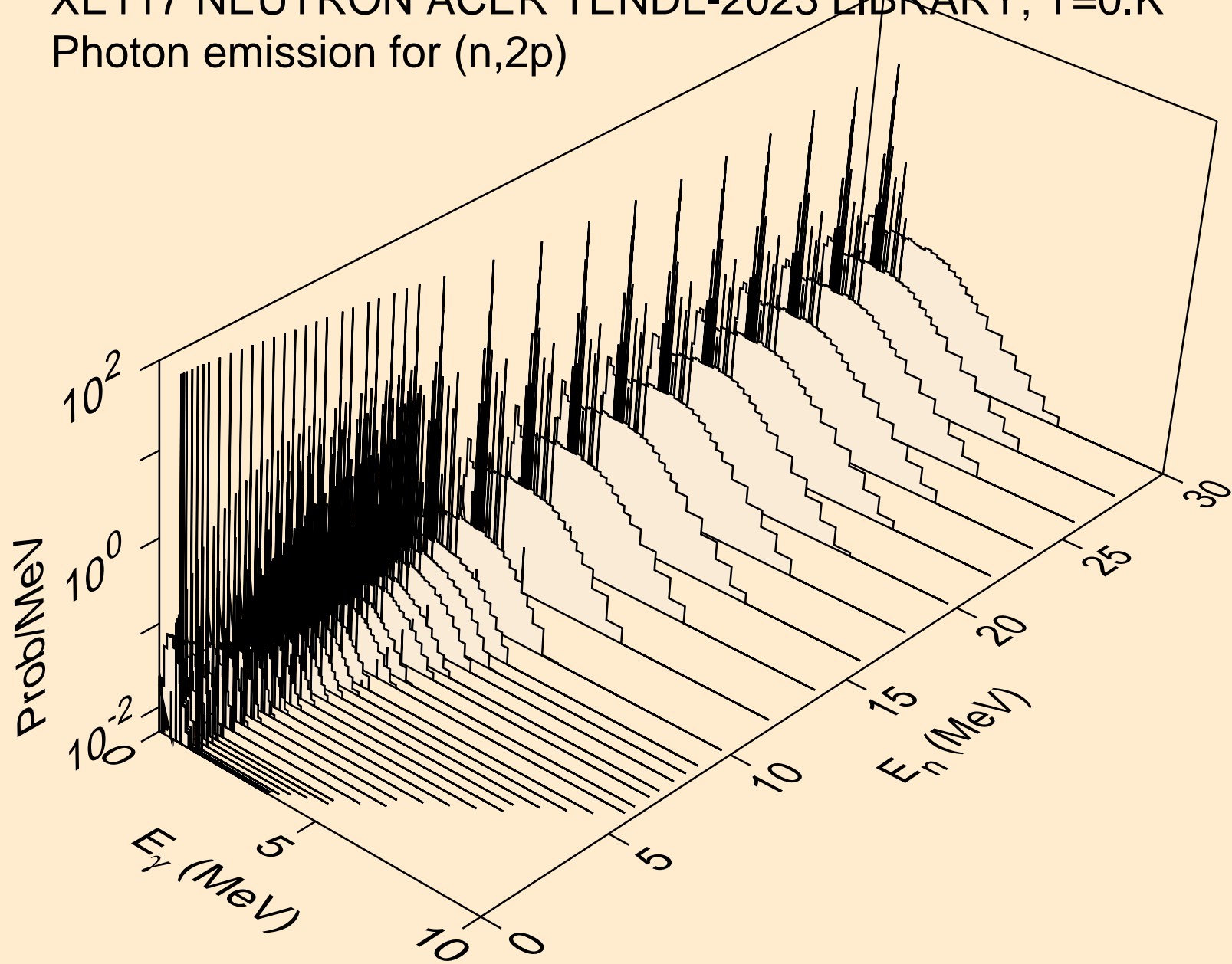
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Photon emission for (n,2a)



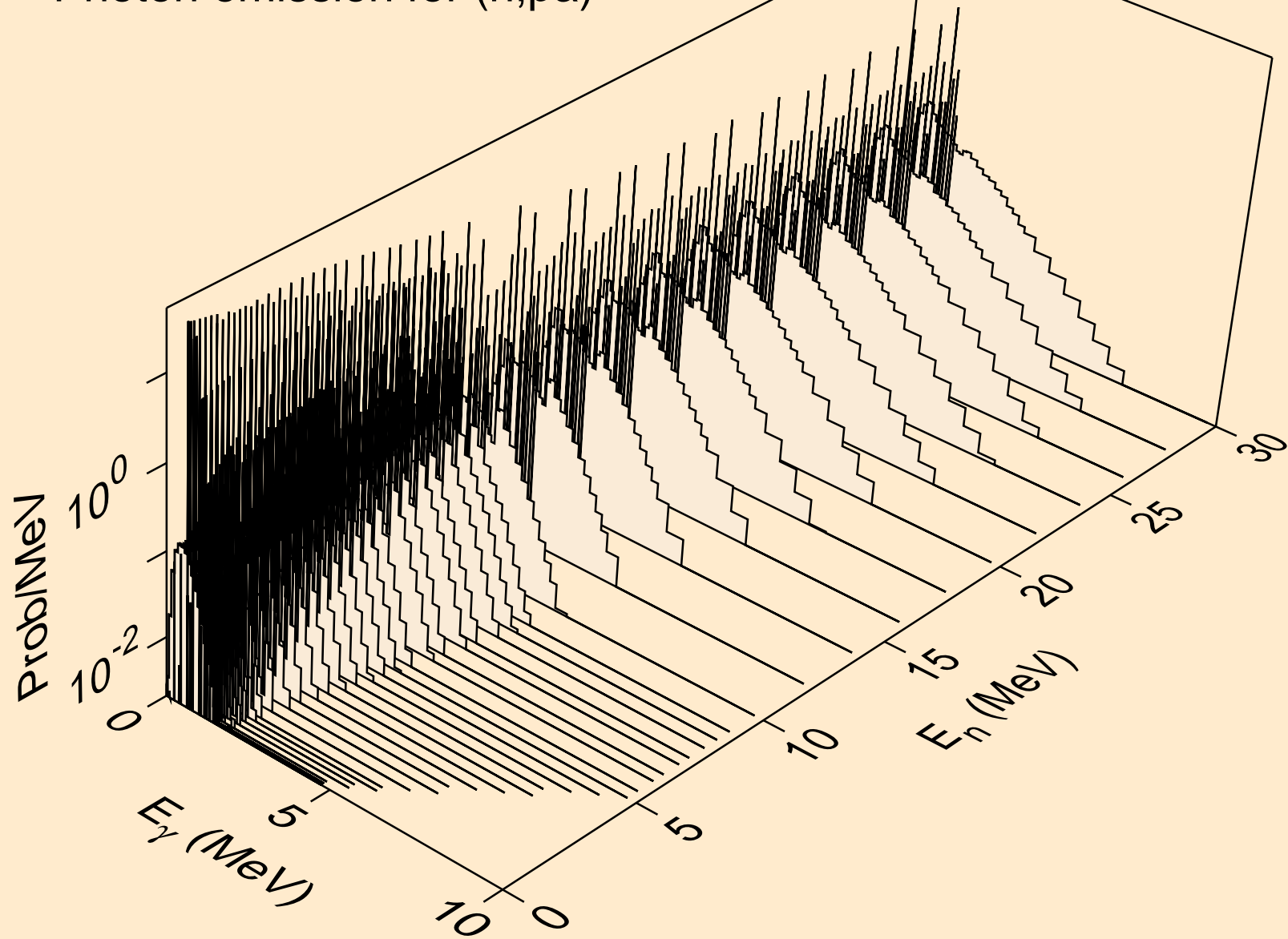
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Photon emission for (n,3a)



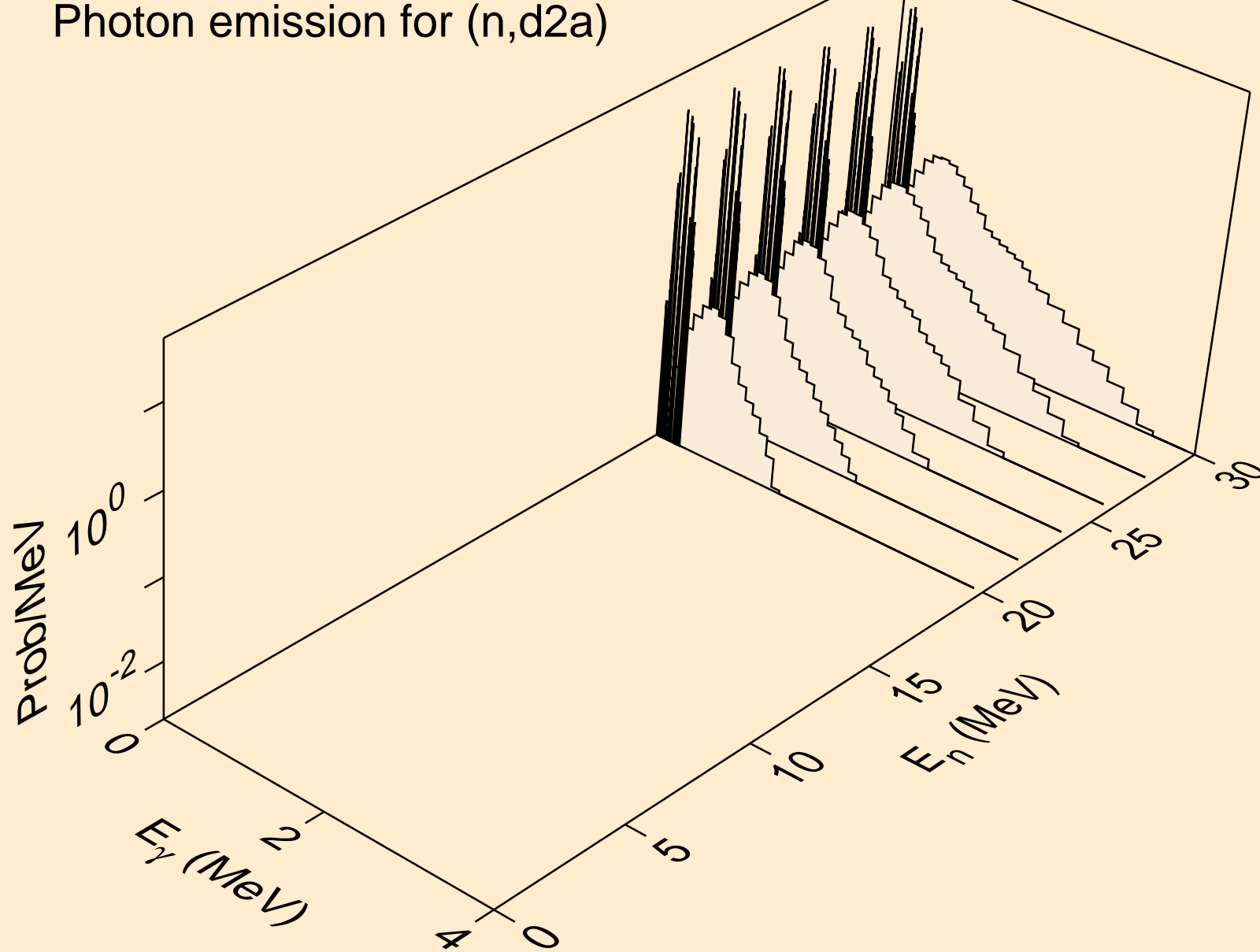
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Photon emission for (n,2p)



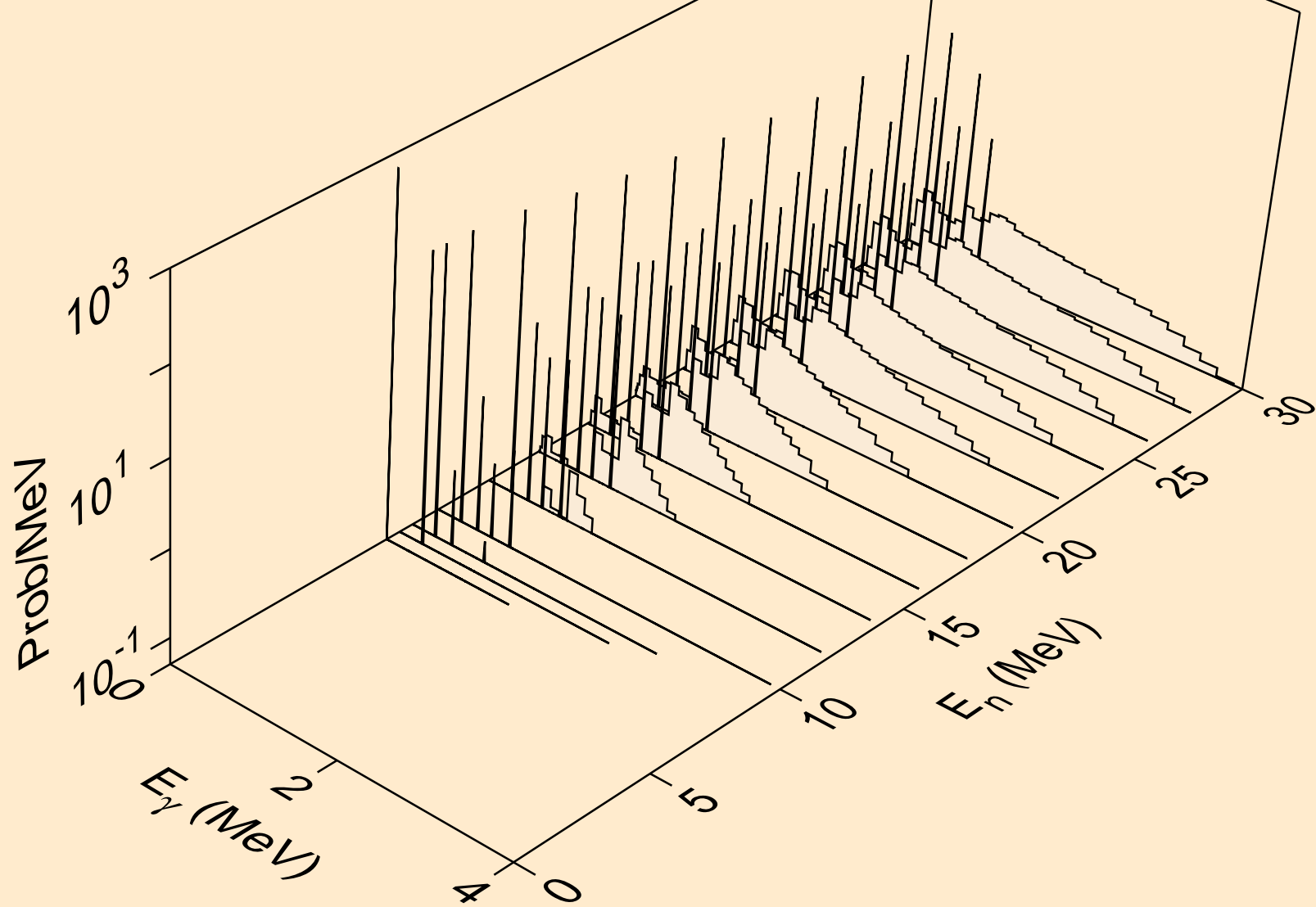
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)

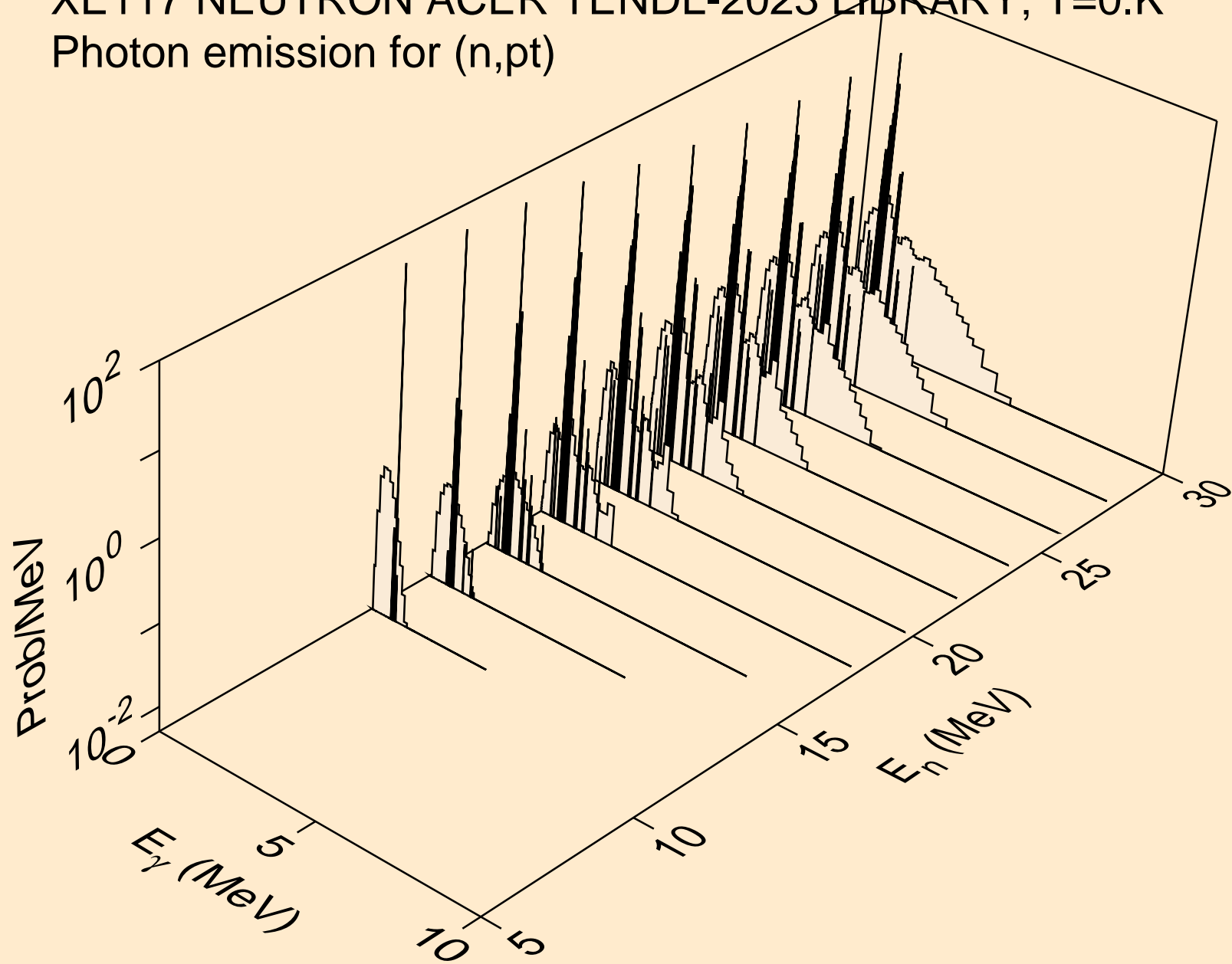


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

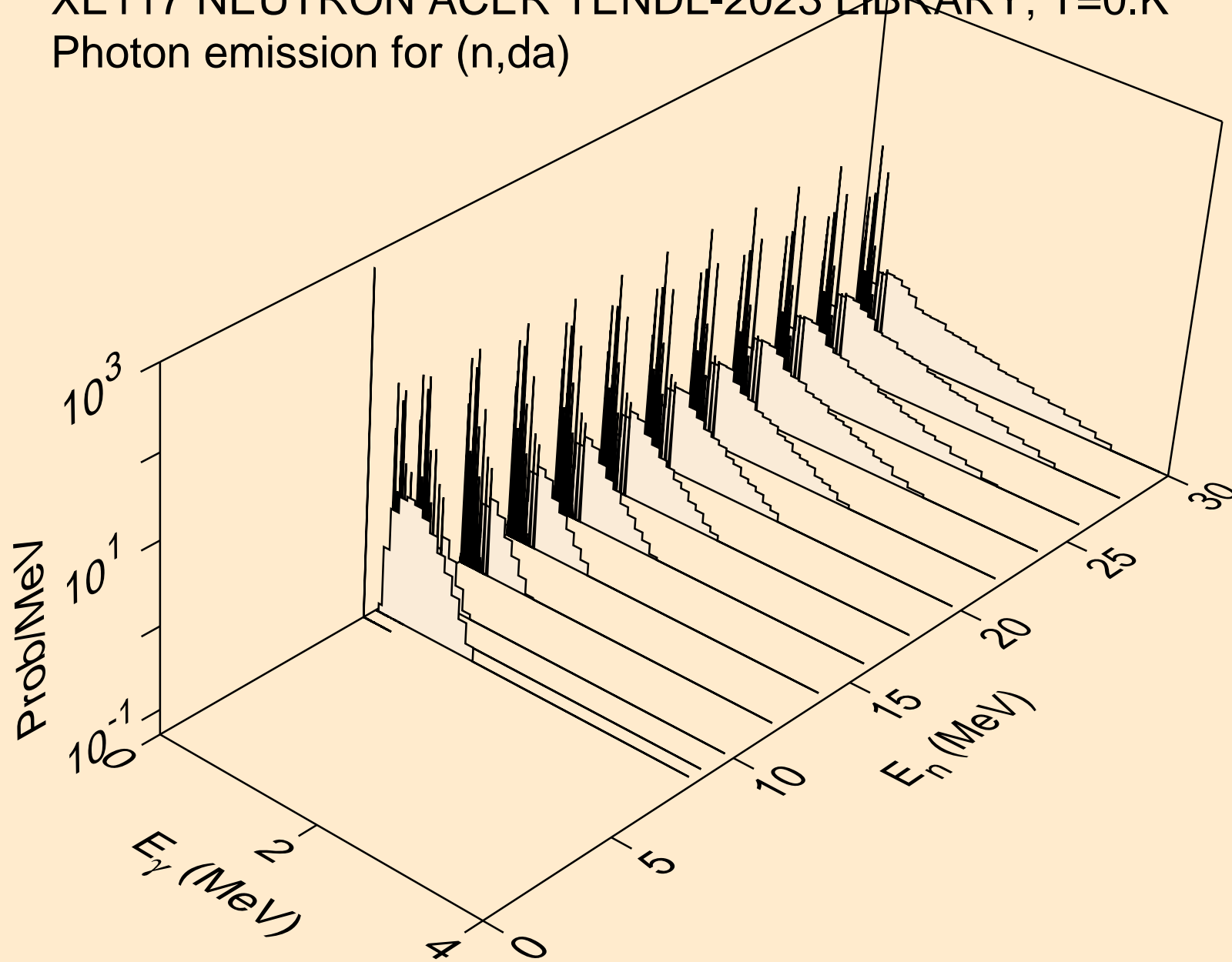




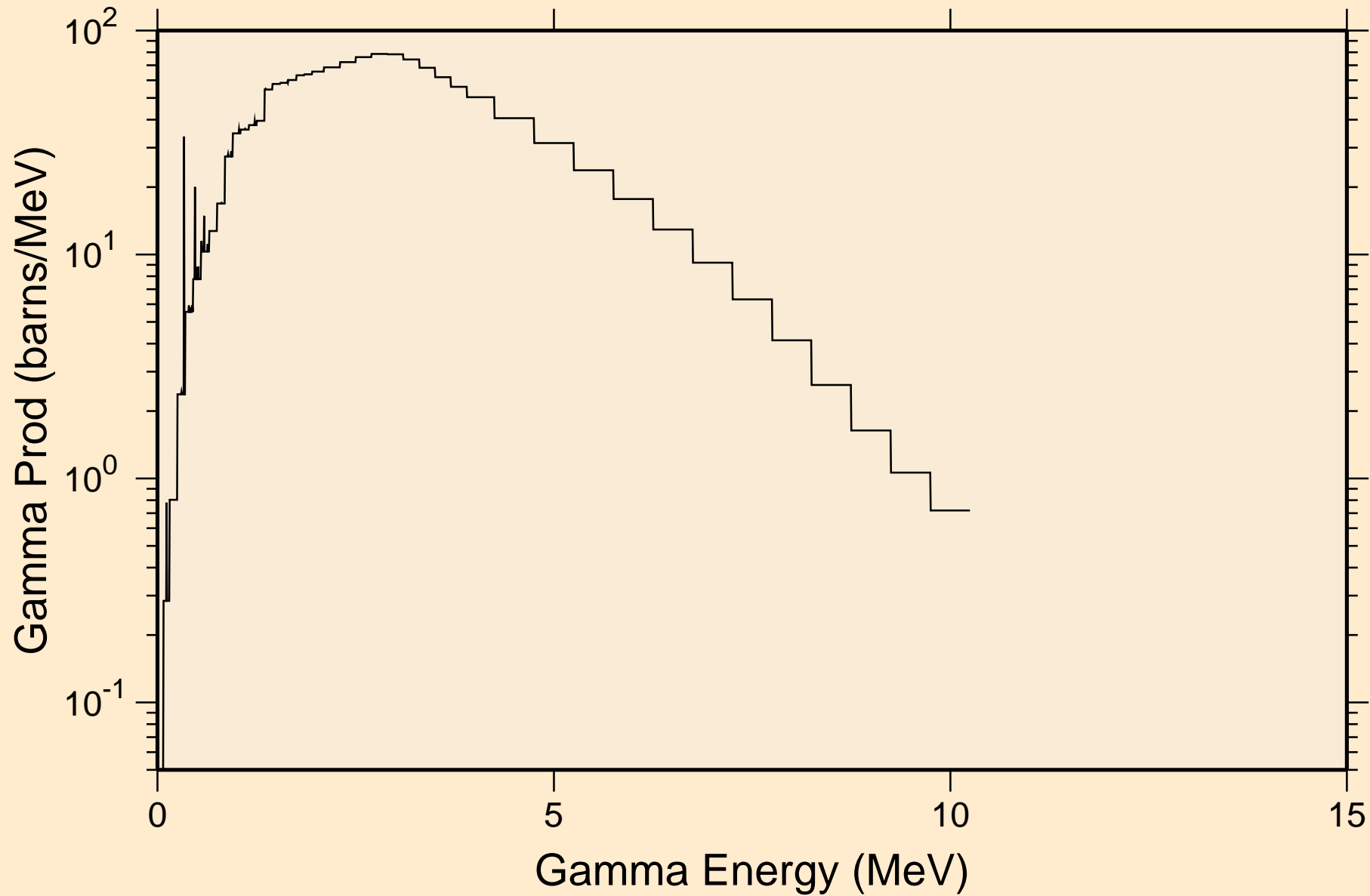
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Photon emission for (n,pt)



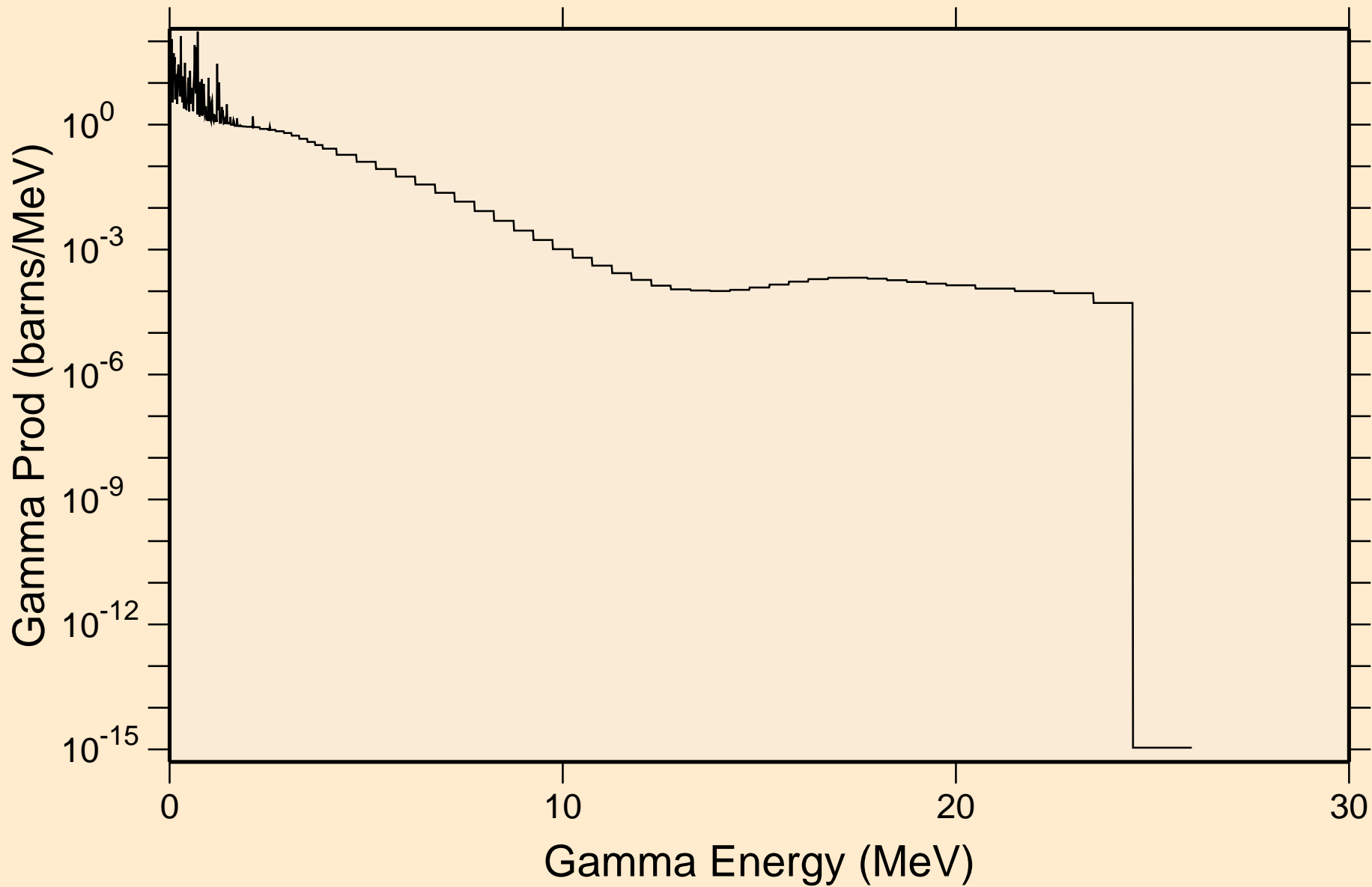
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

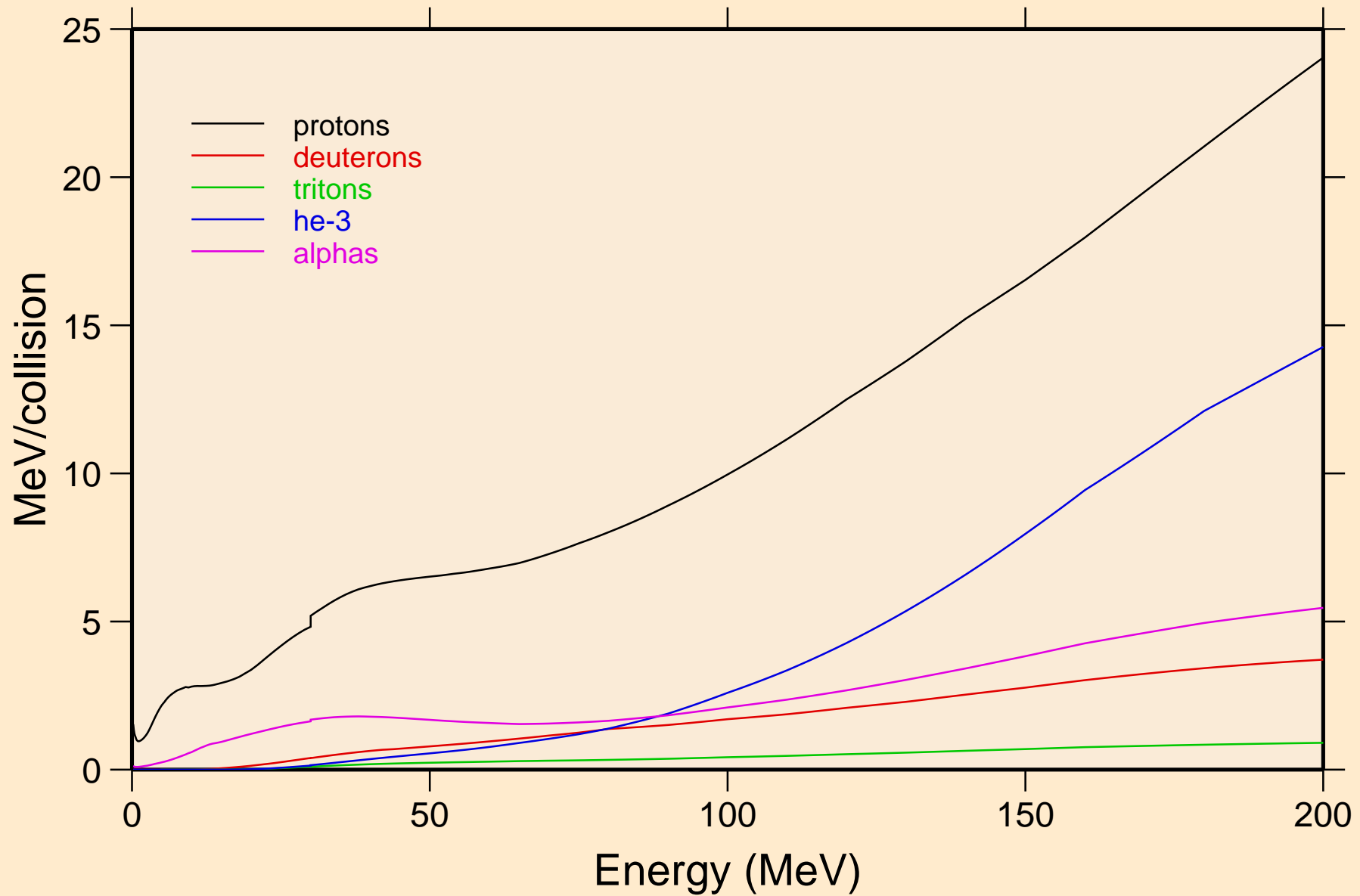


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

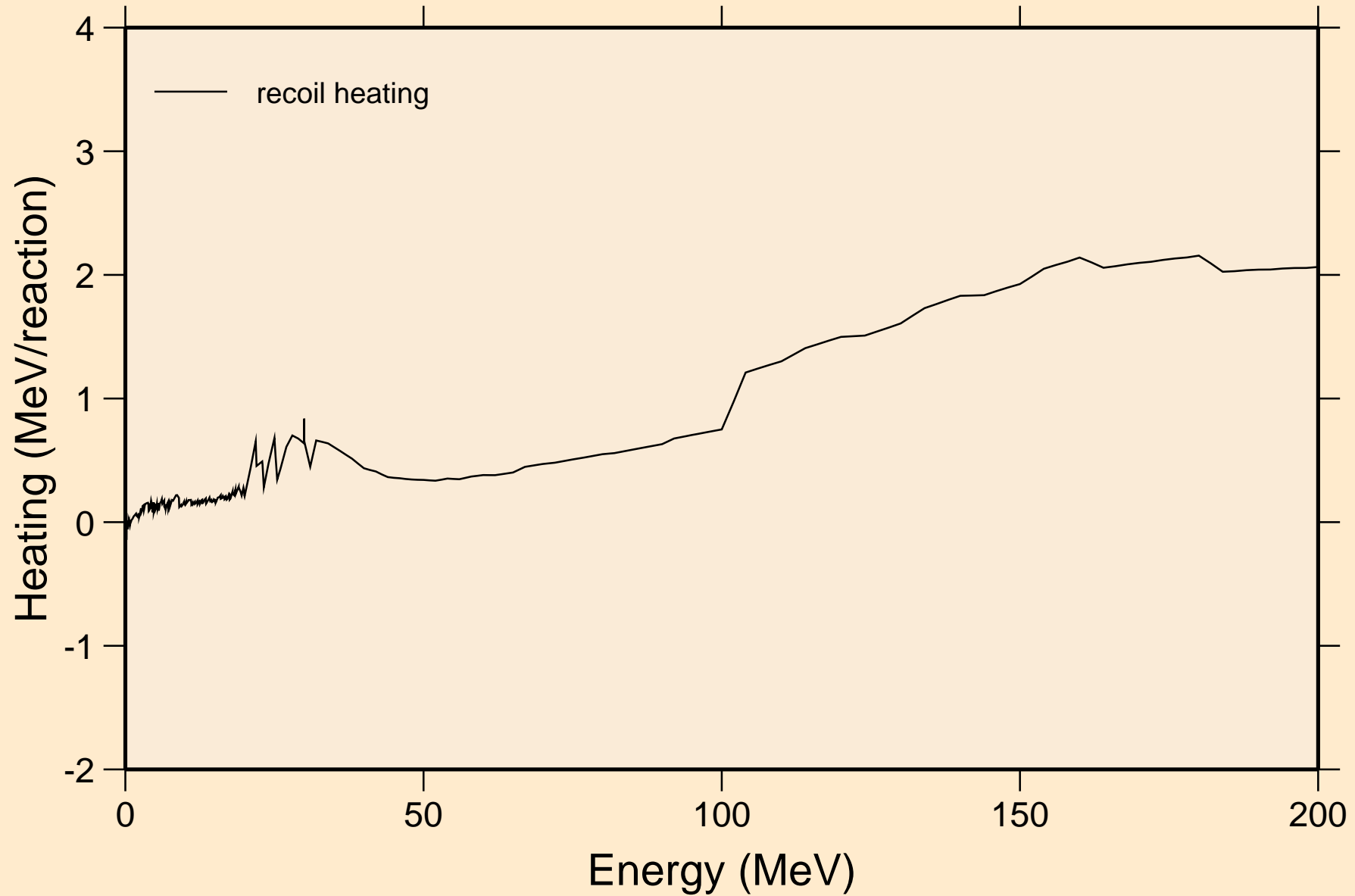


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

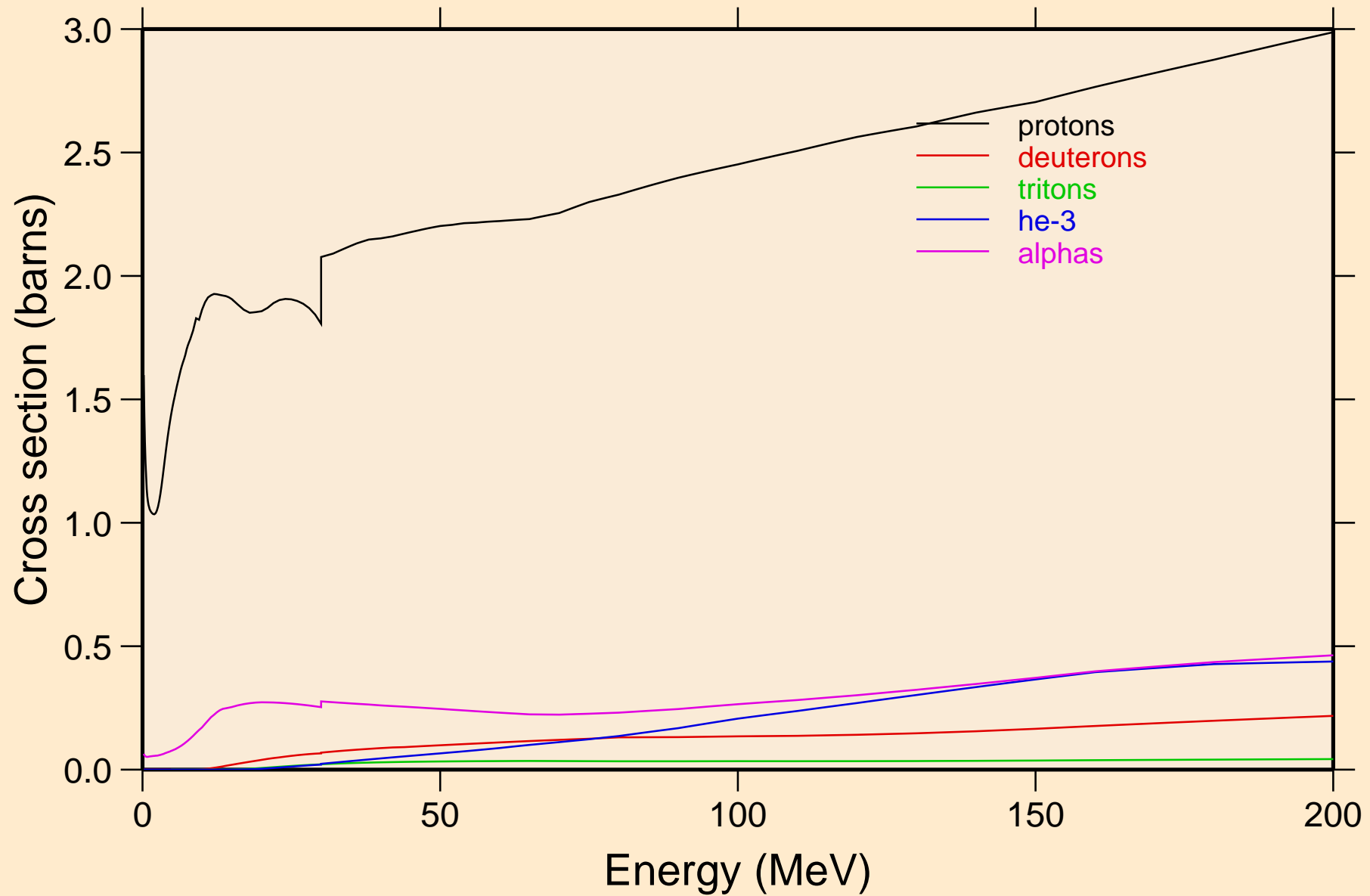


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

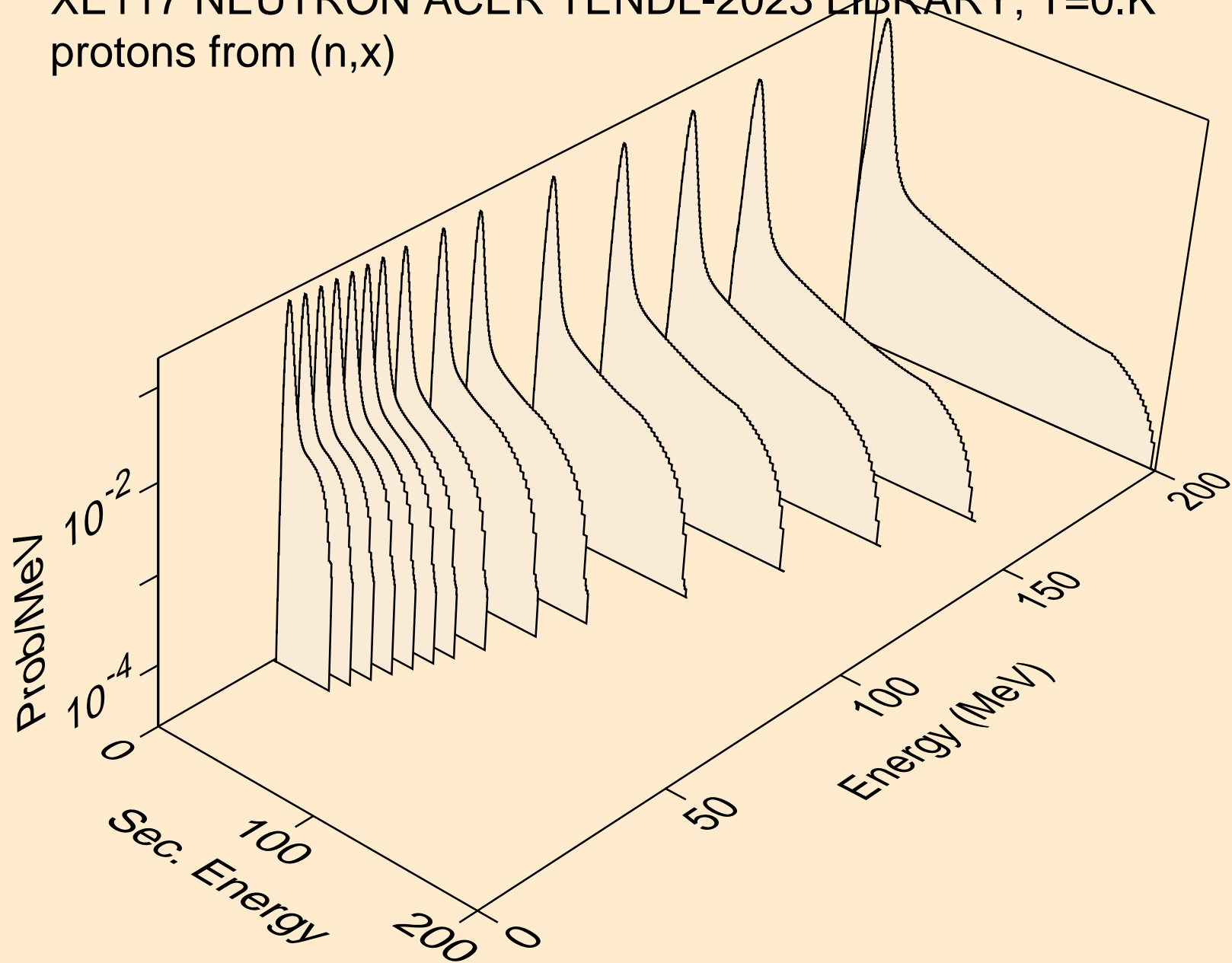


# XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

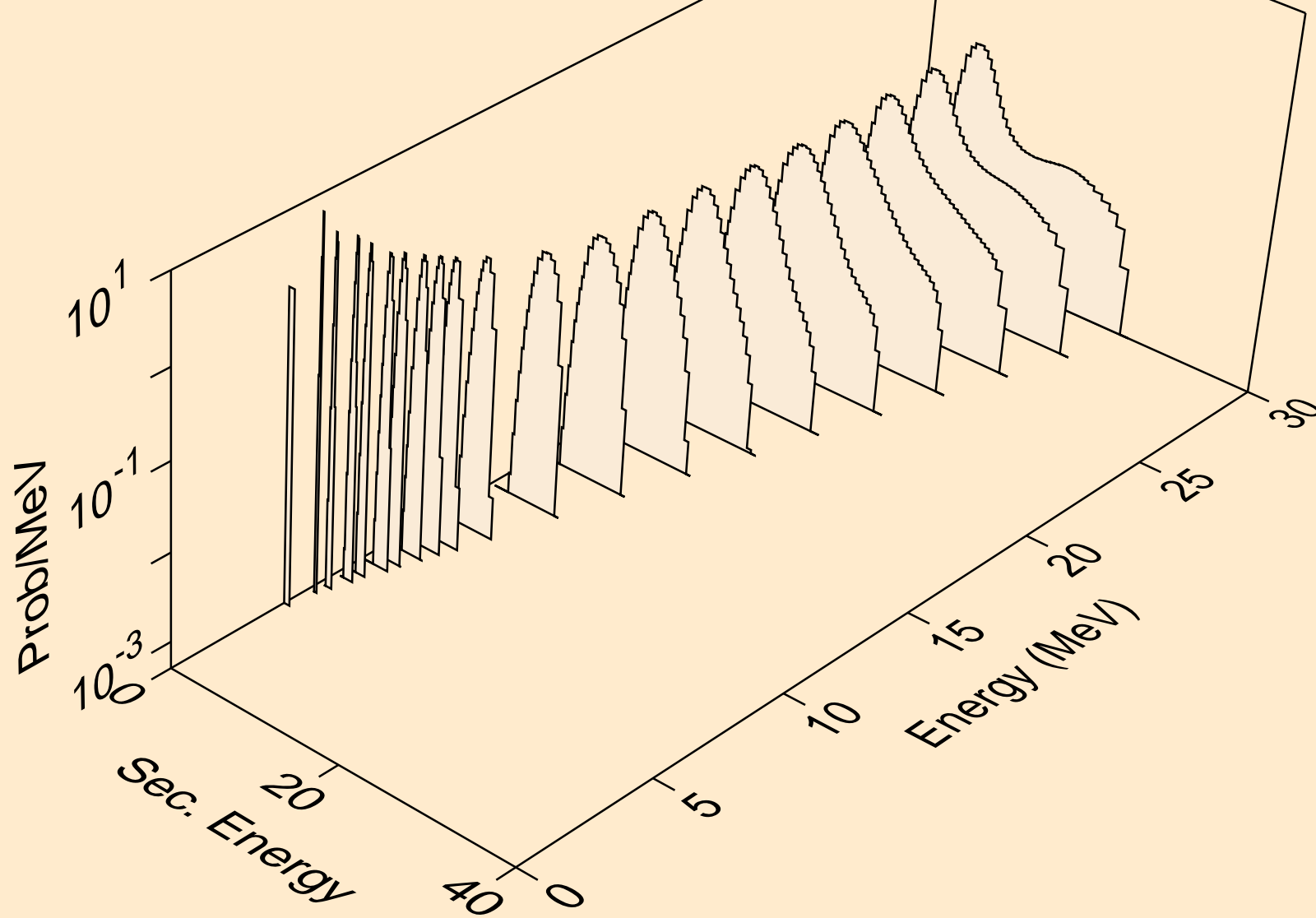


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

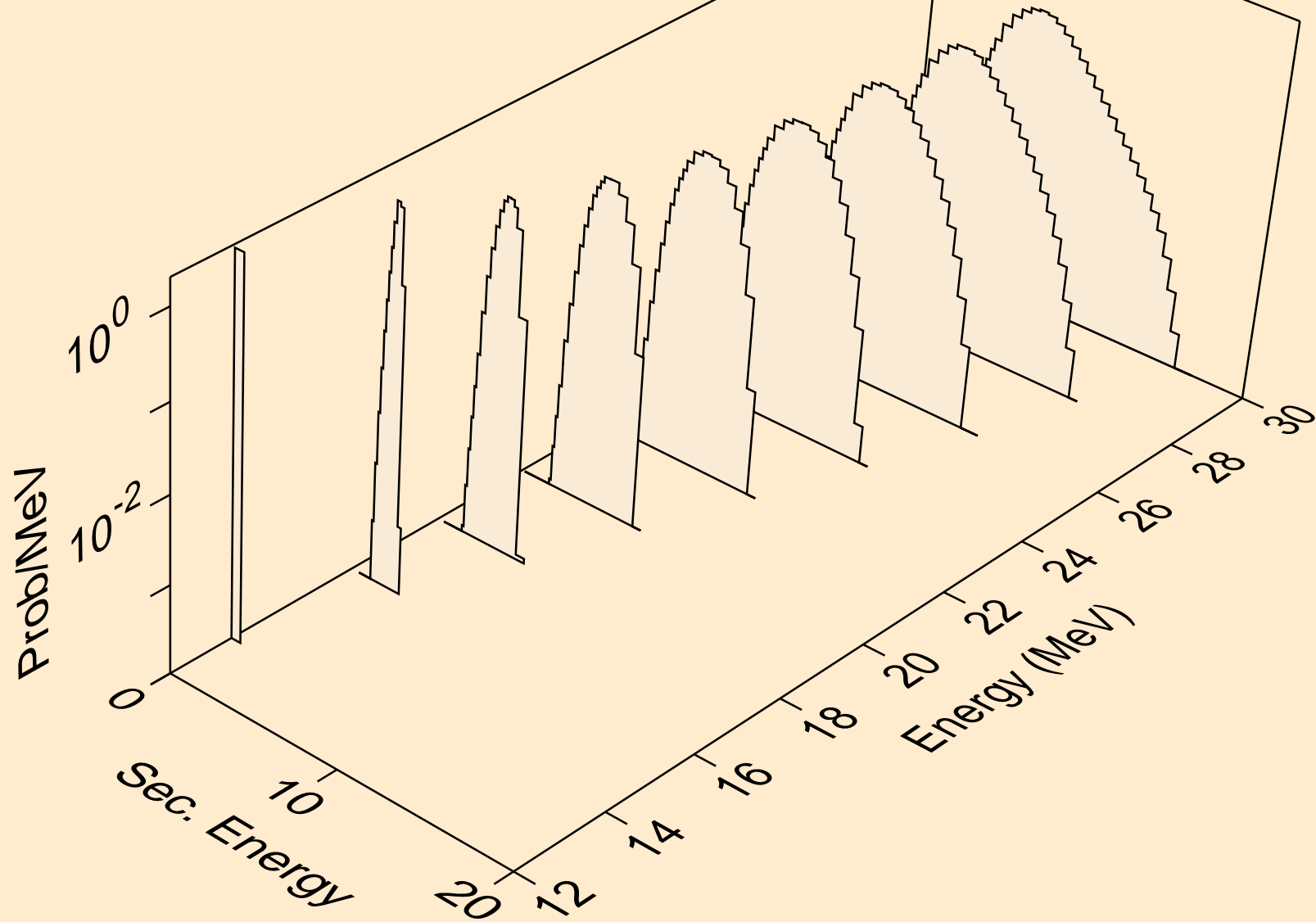




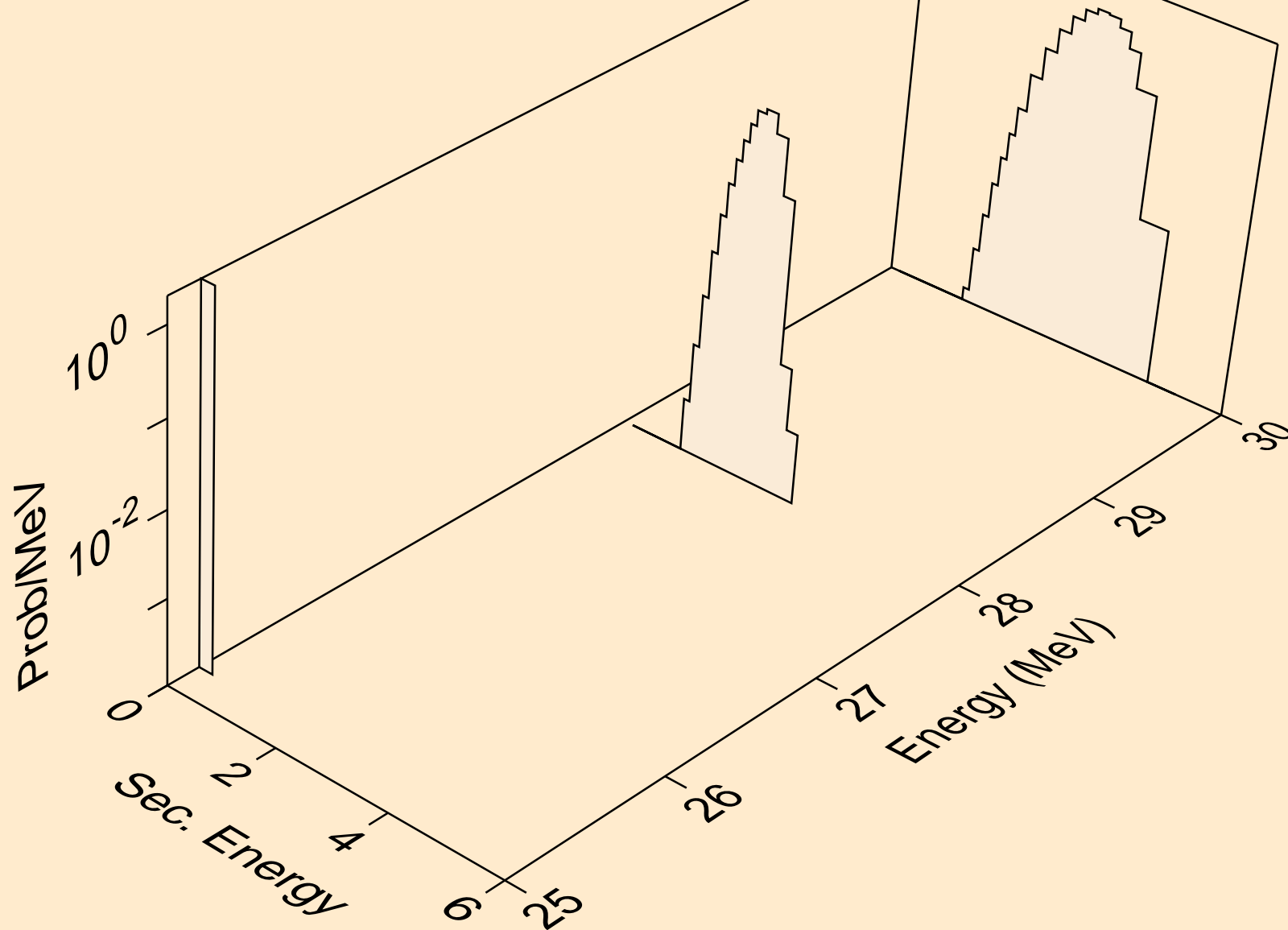
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protons from (n,n\*)p



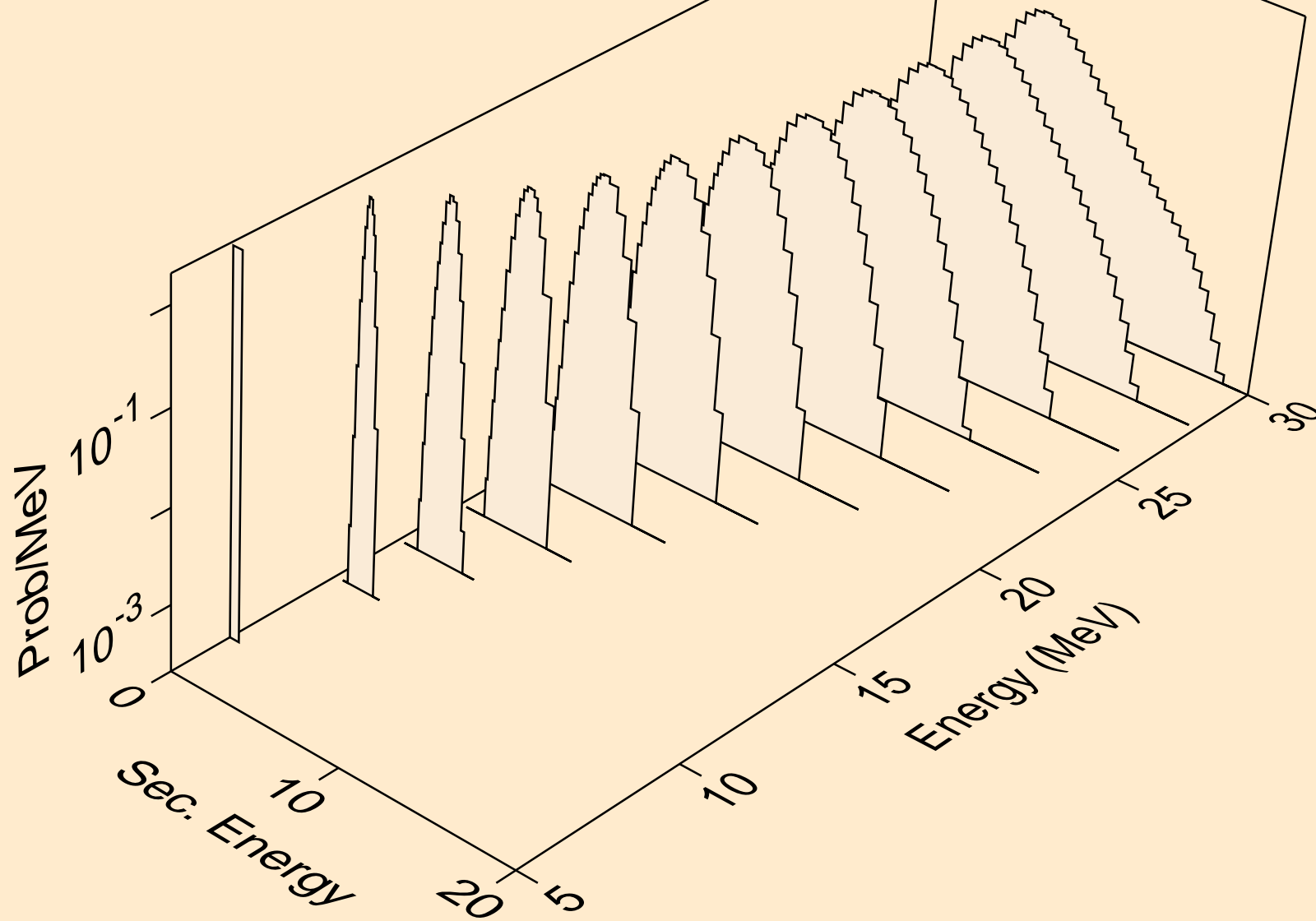
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protons from (n,2np)



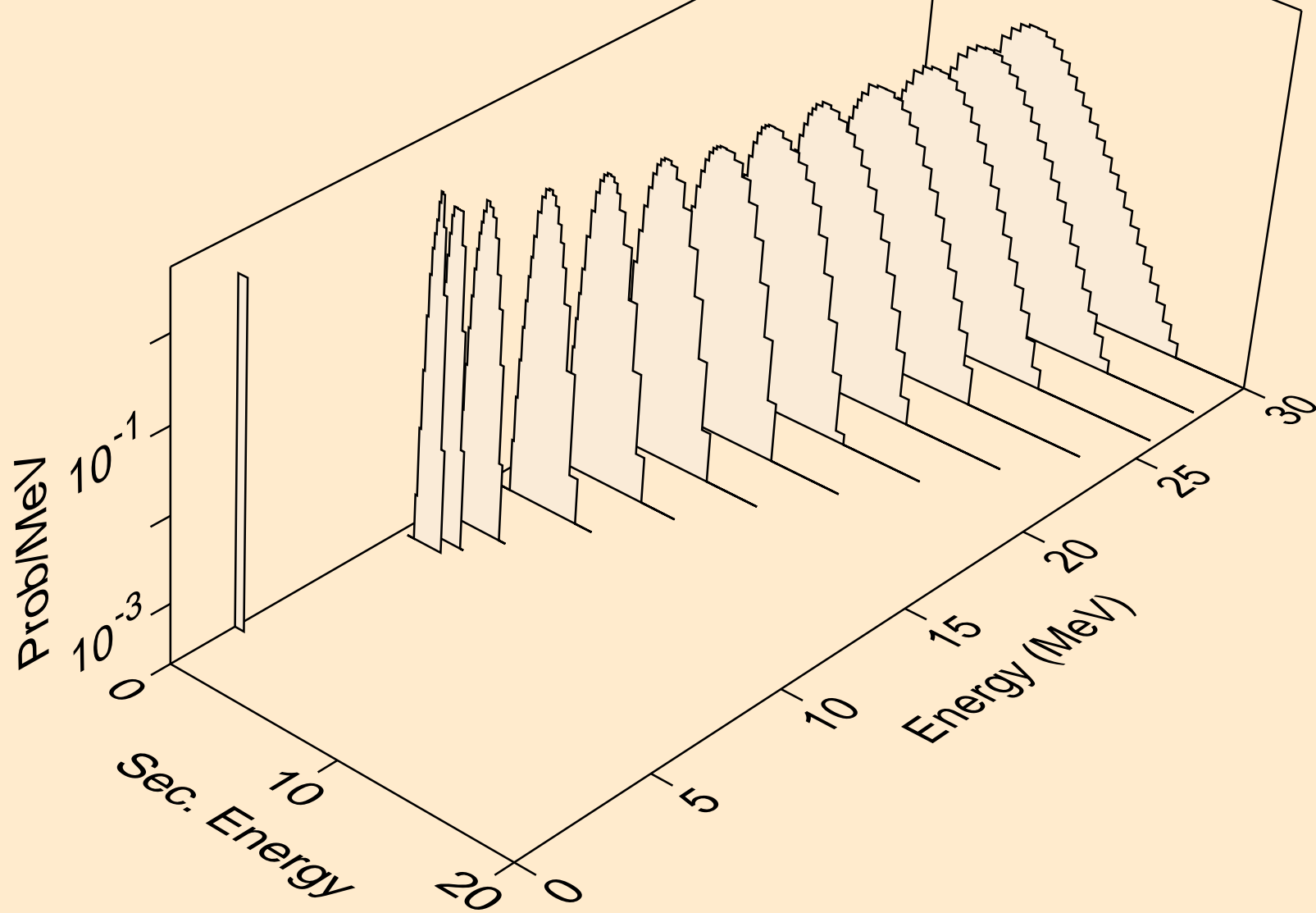
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protons from (n,3np)



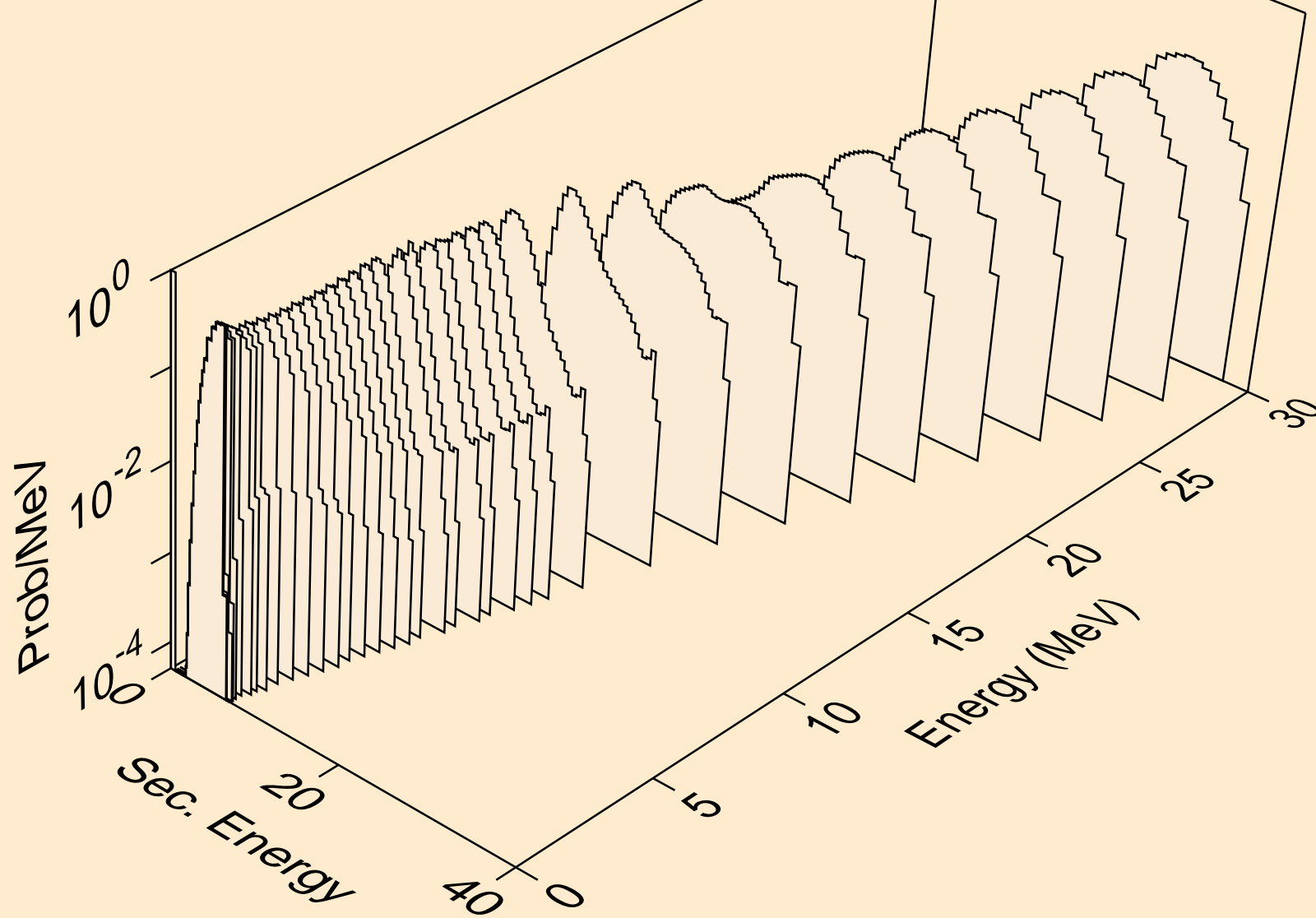
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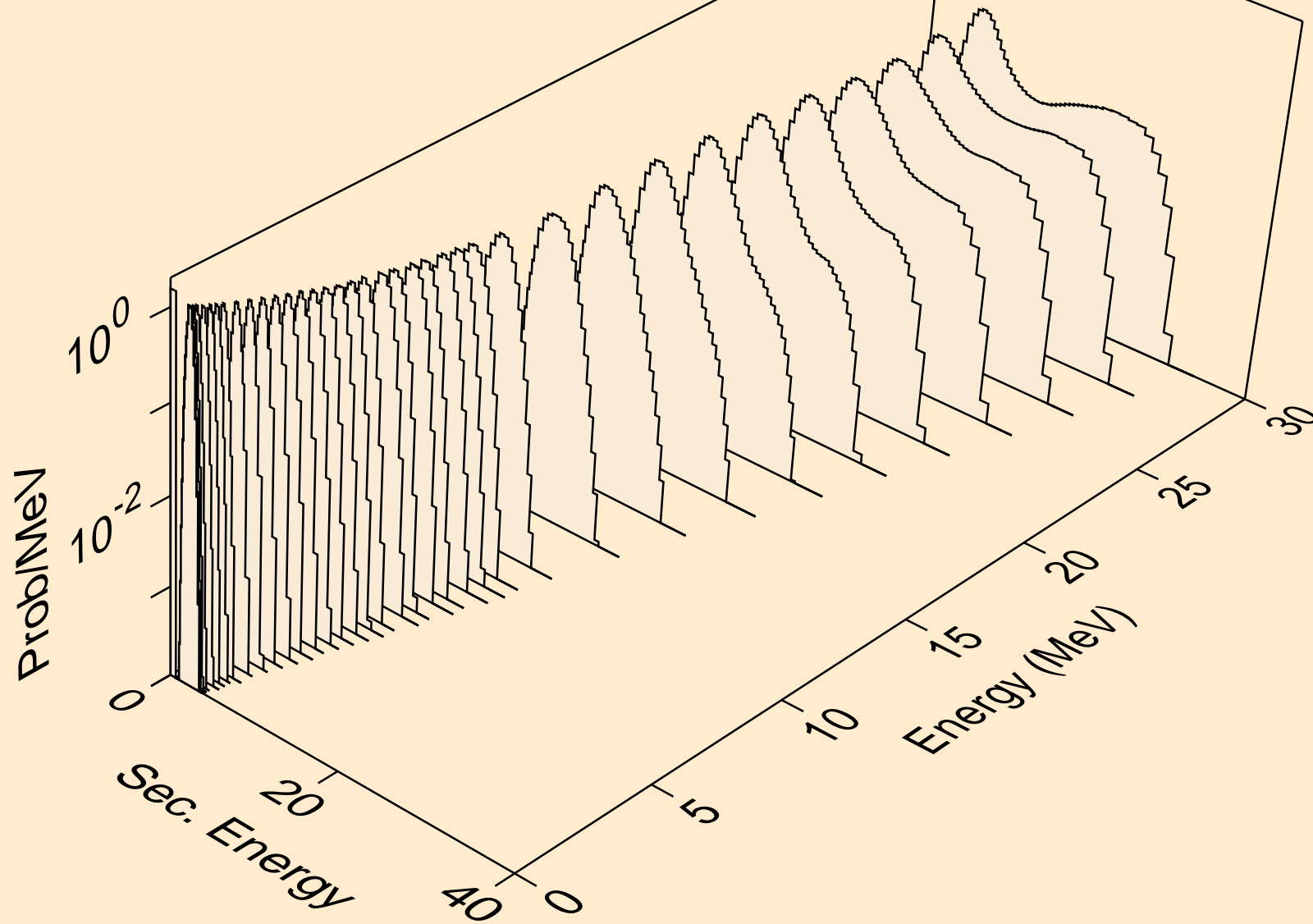
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protons from (n,npa)



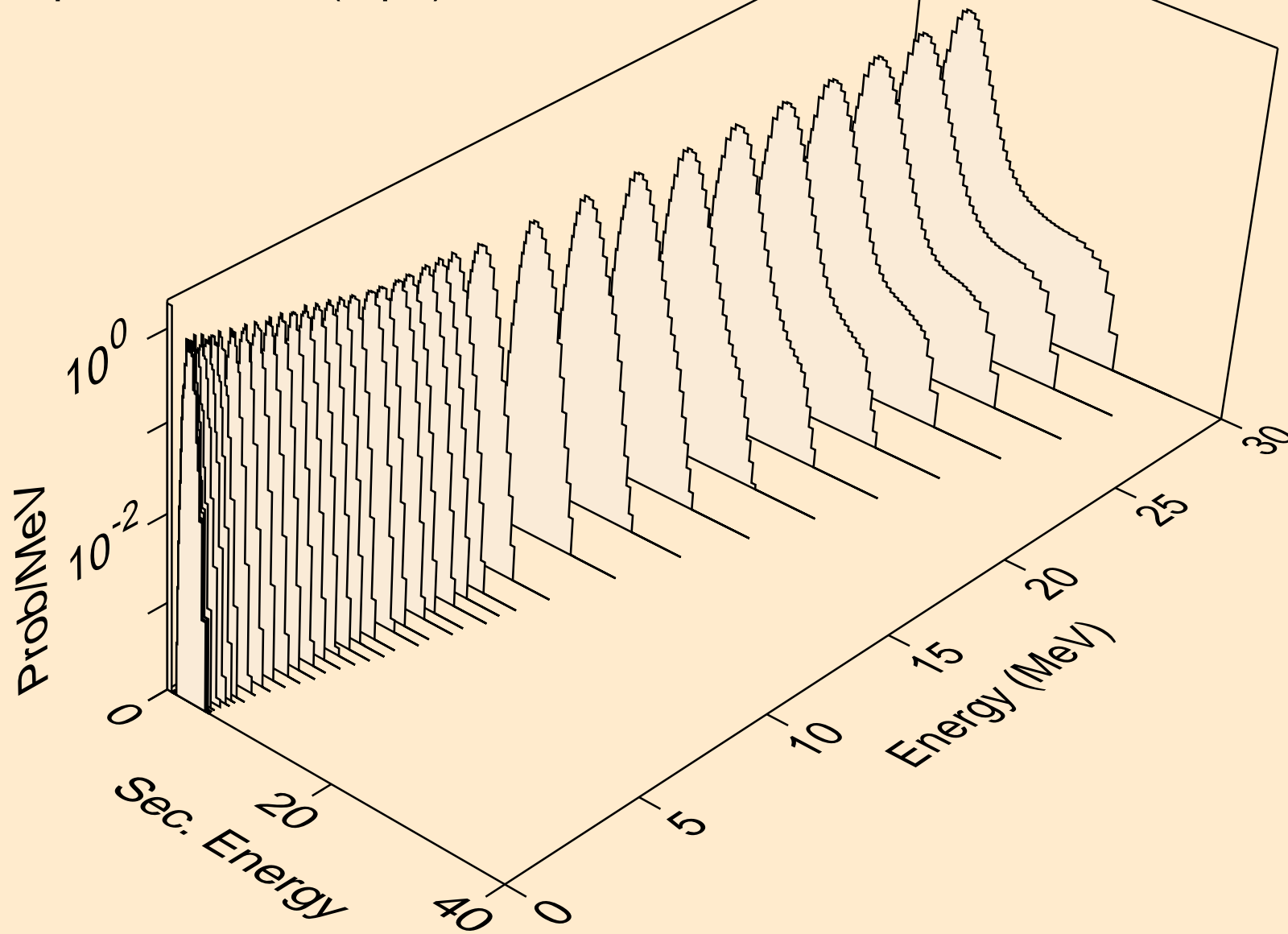
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protons from (n,p)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

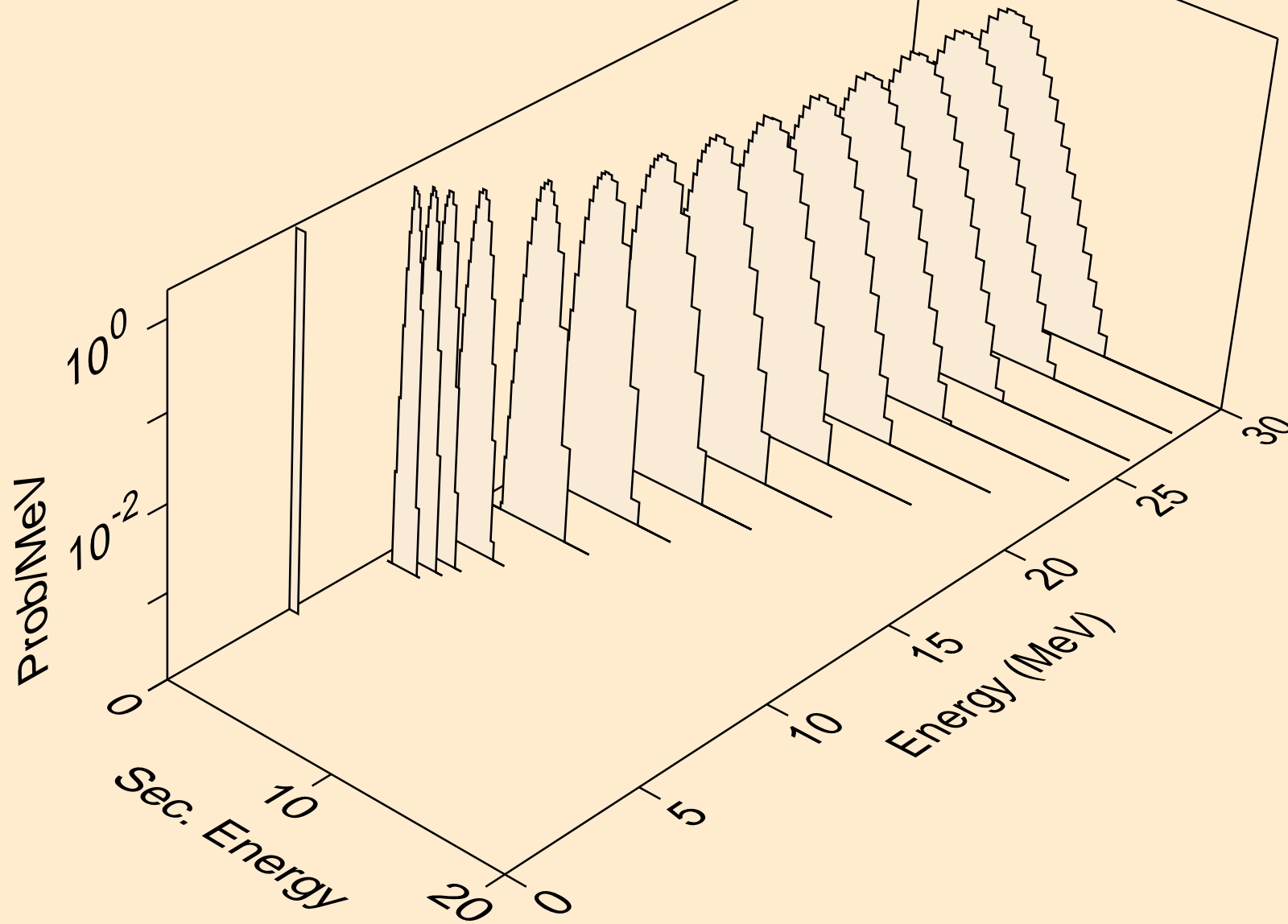


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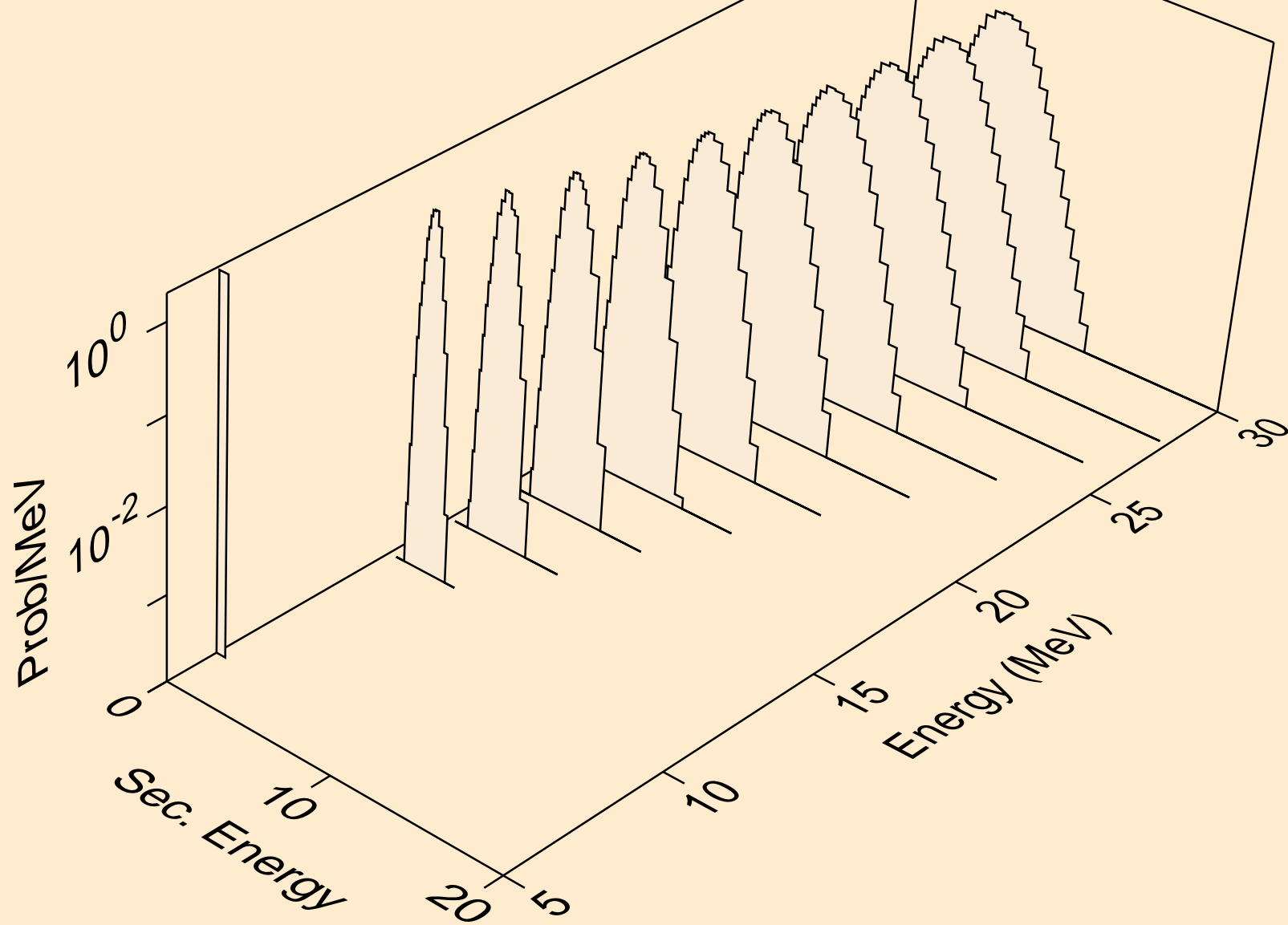




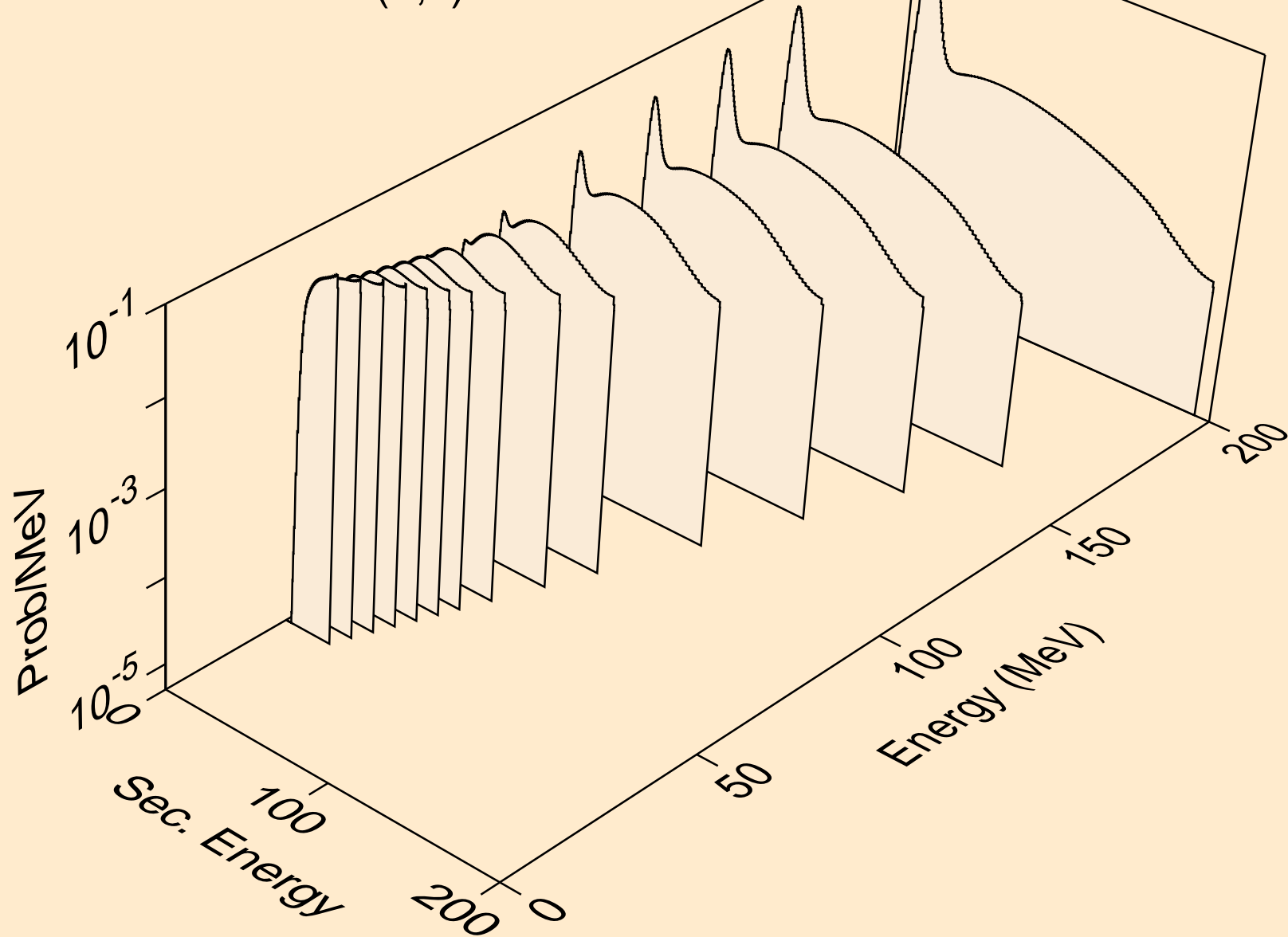
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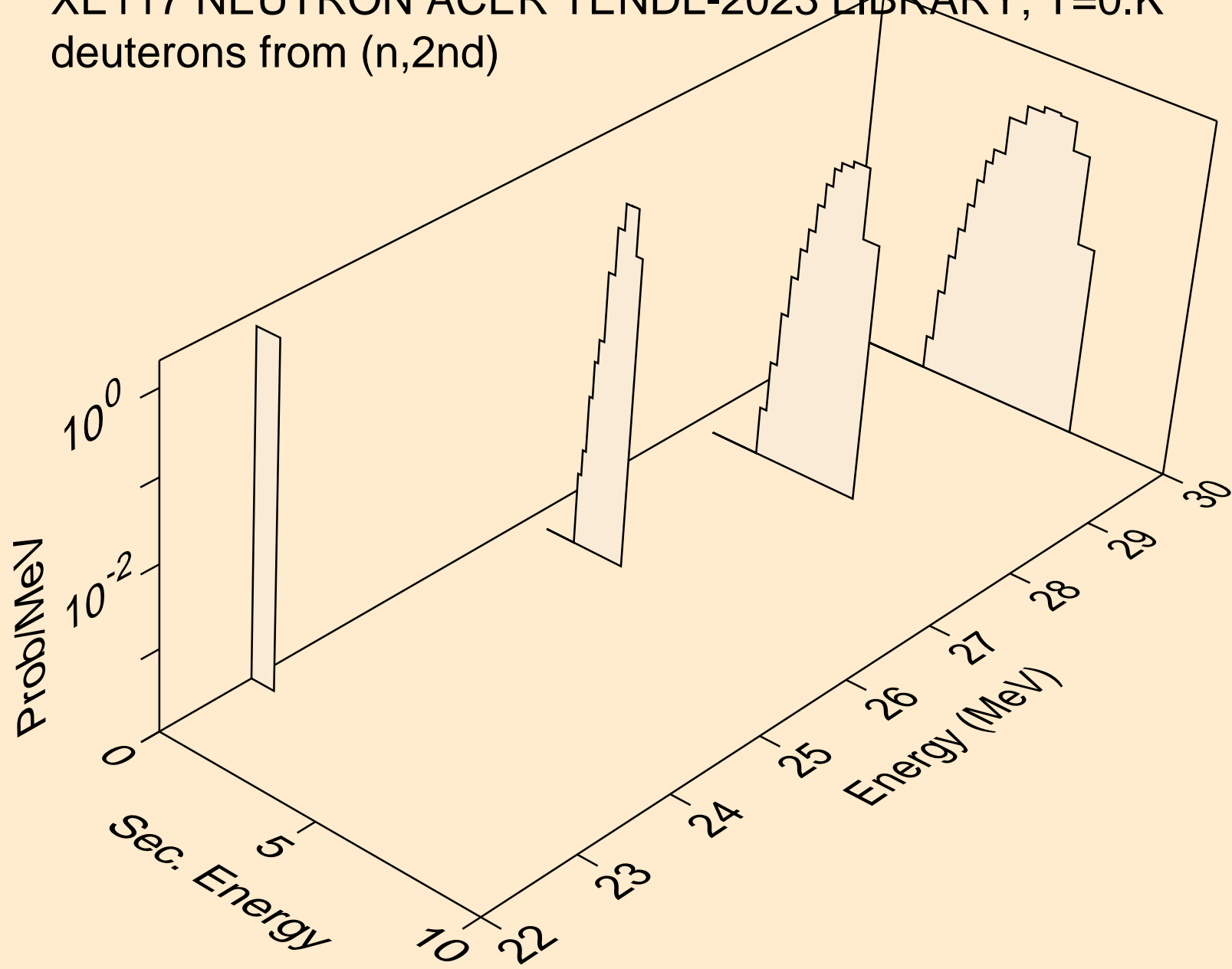
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protons from (n,pt)



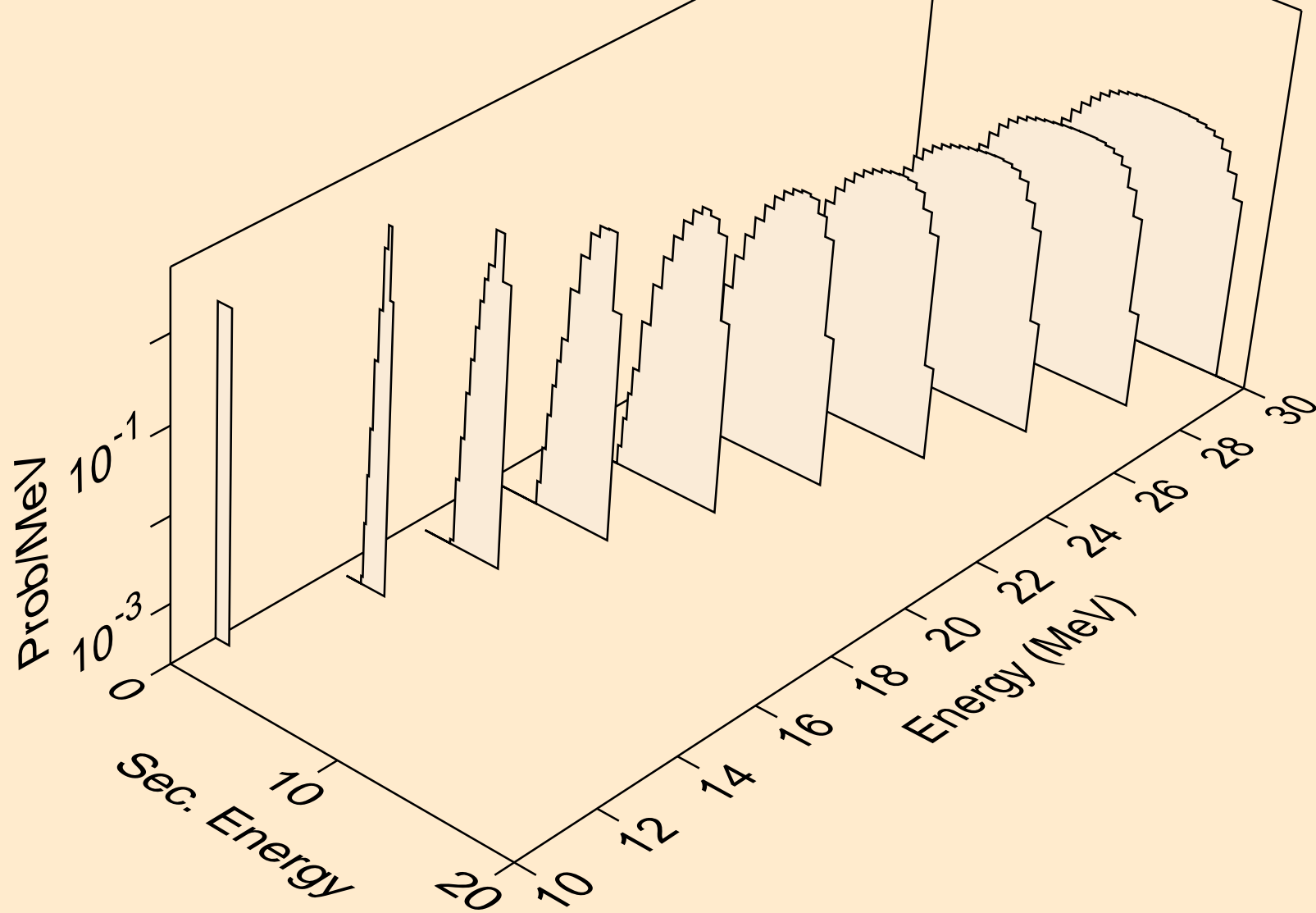
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deuterons from (n,x)



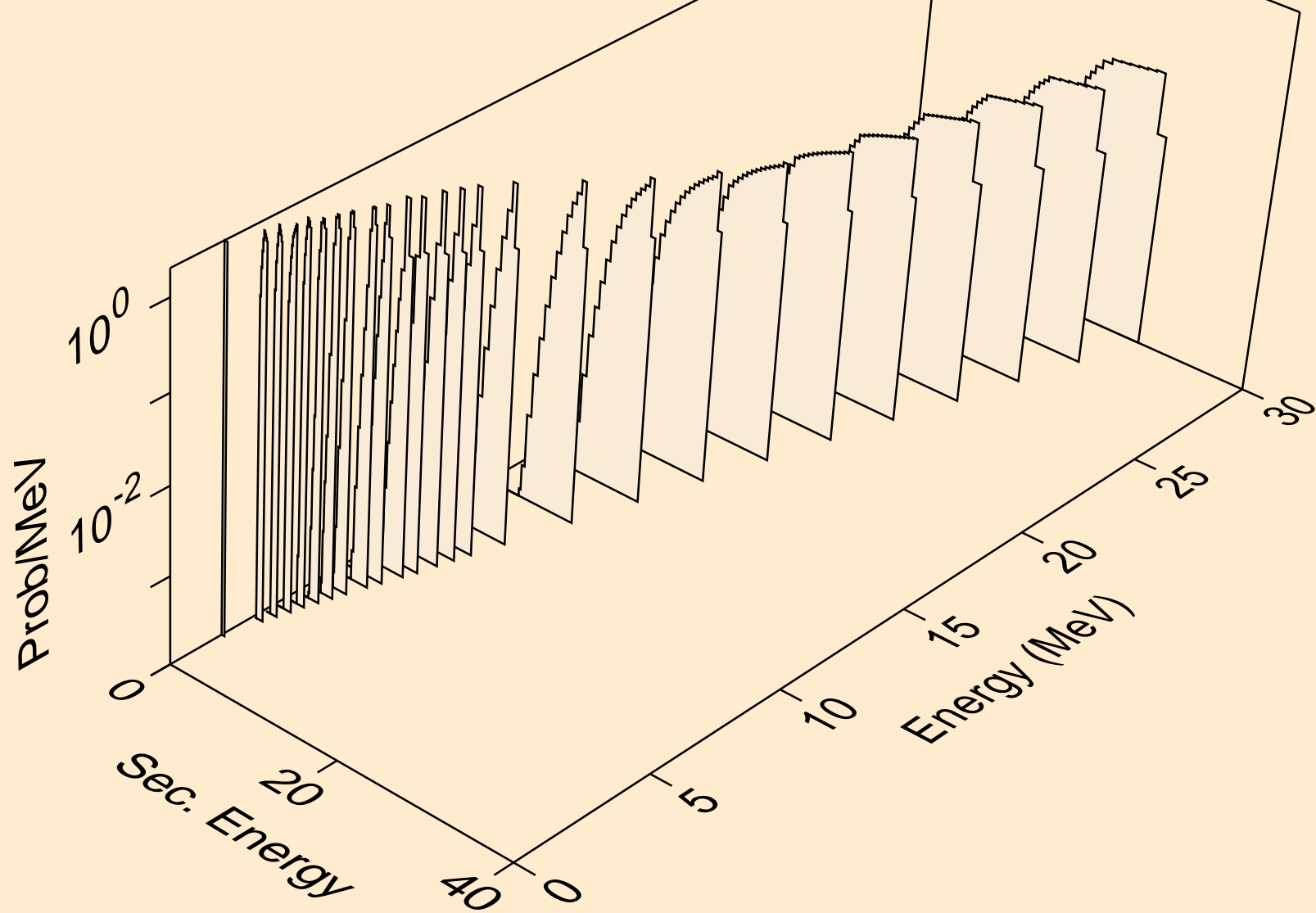
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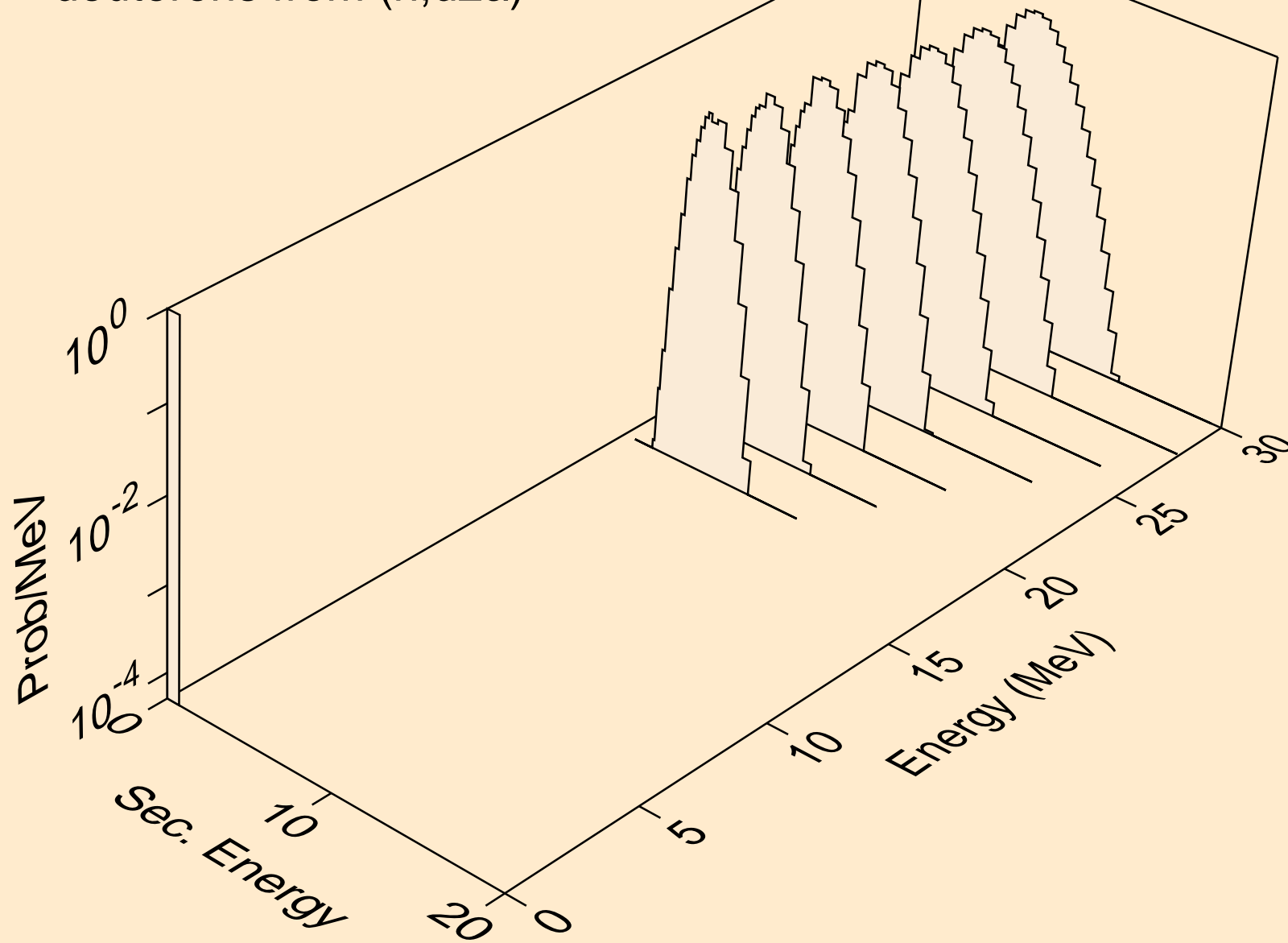
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deuterons from (n,n\*)d



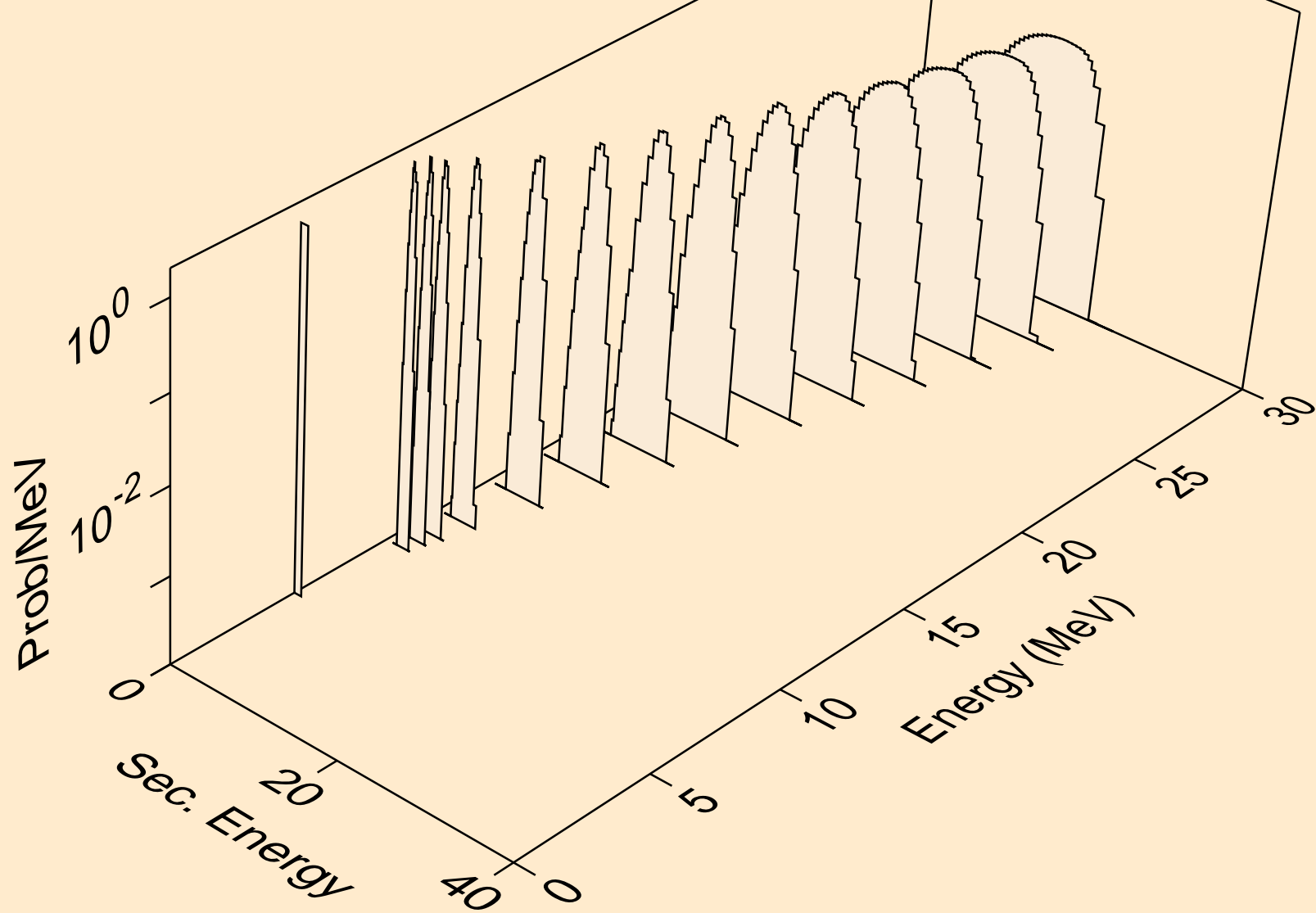
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deuterons from (n,d)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d2a)

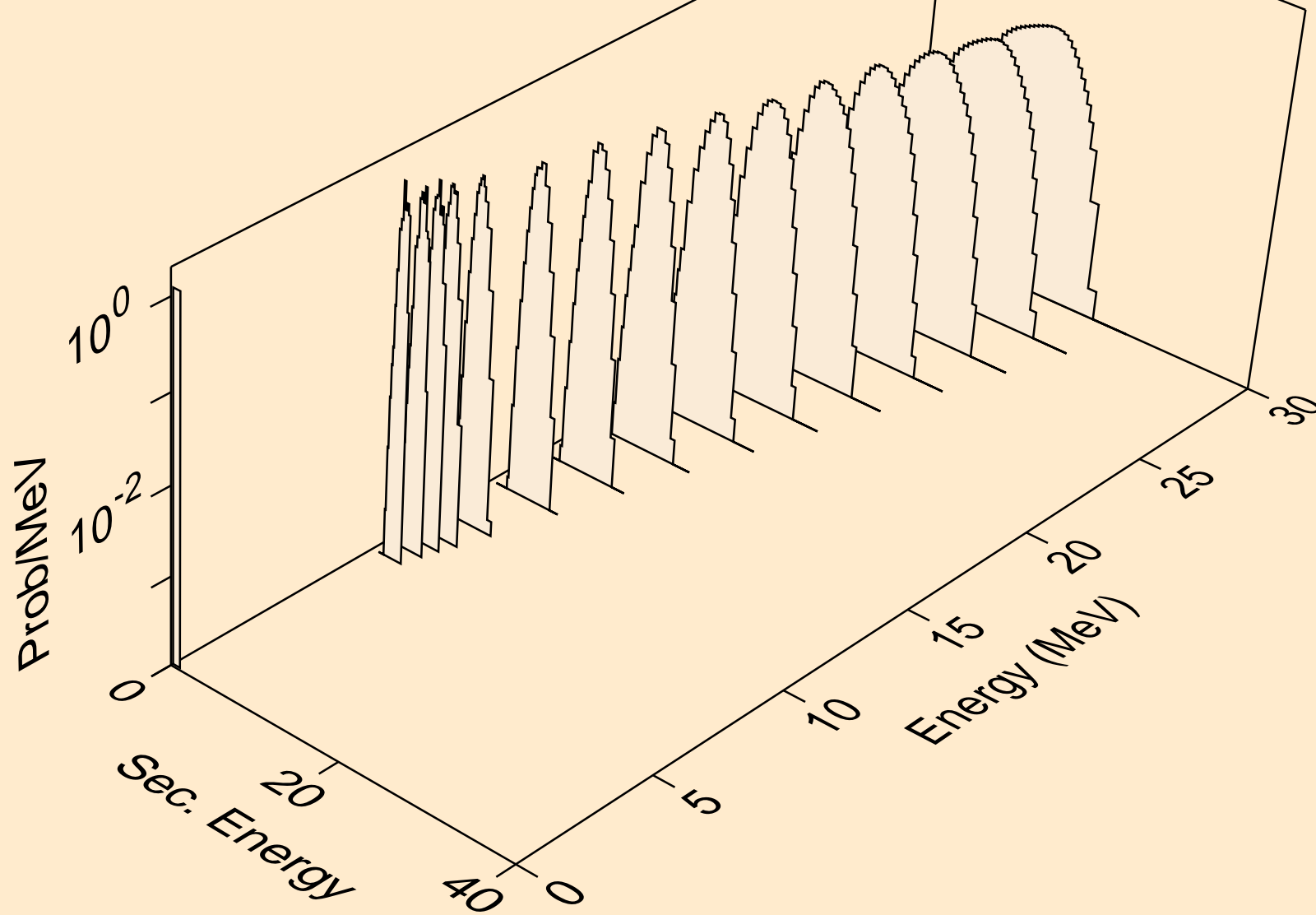


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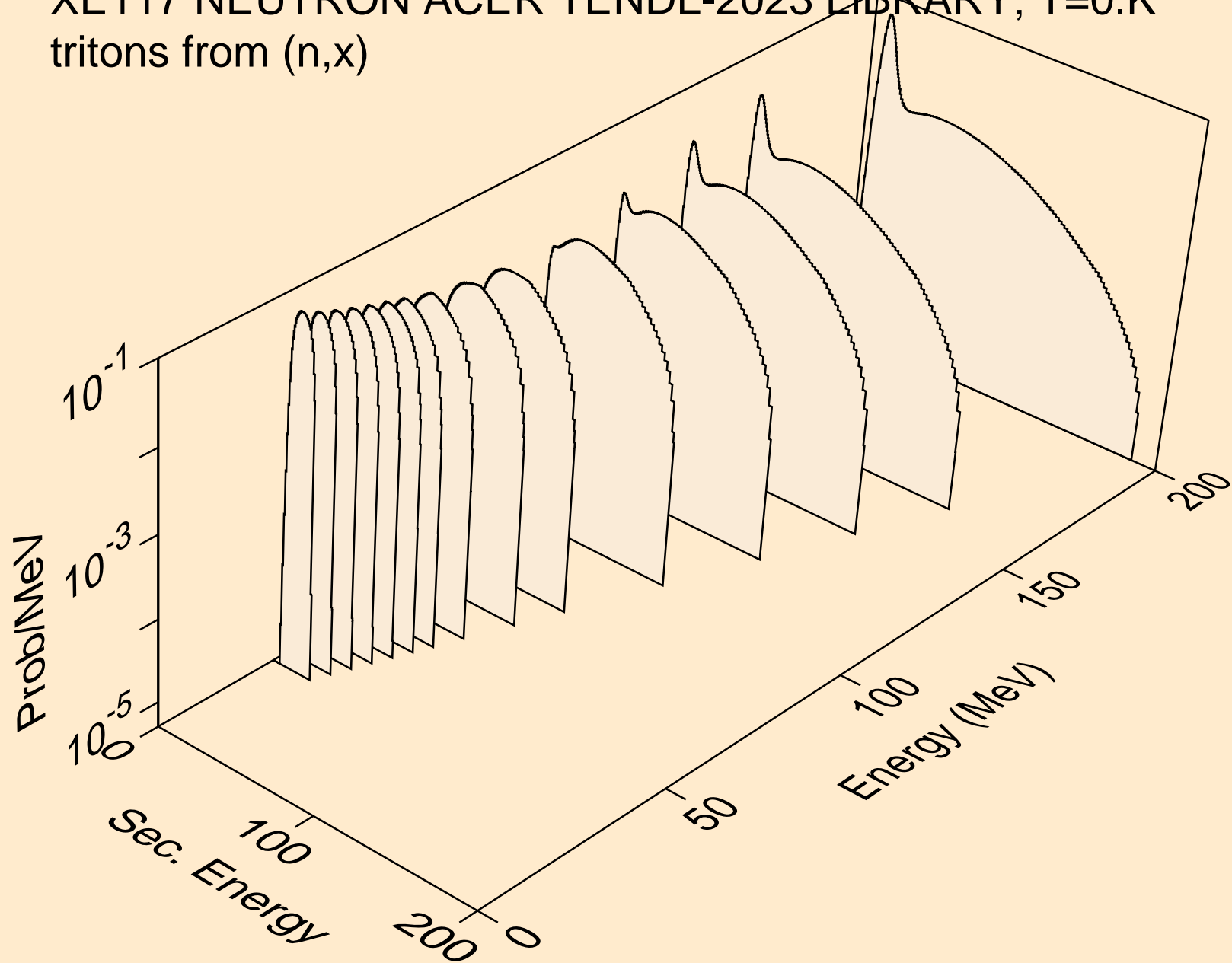




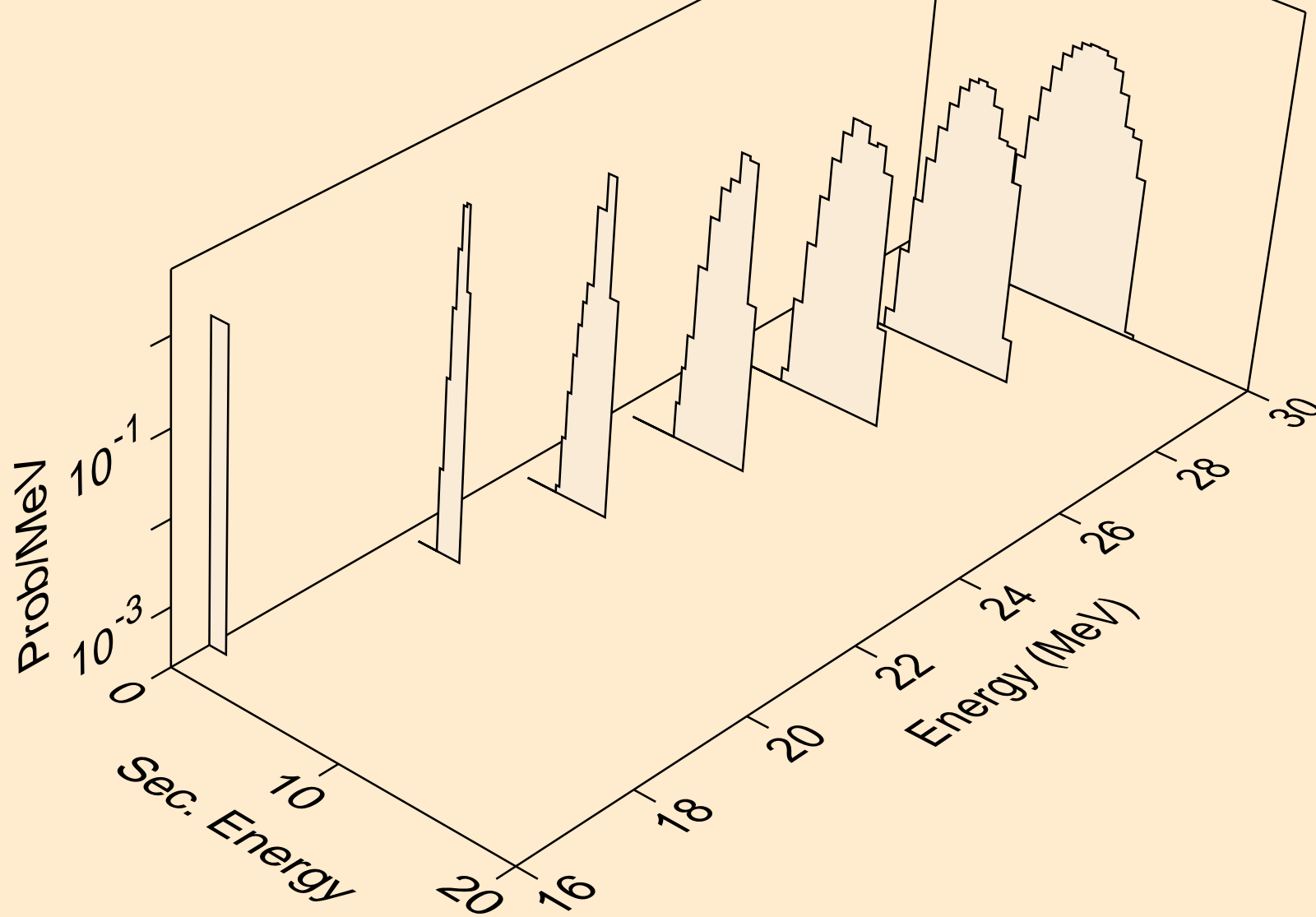
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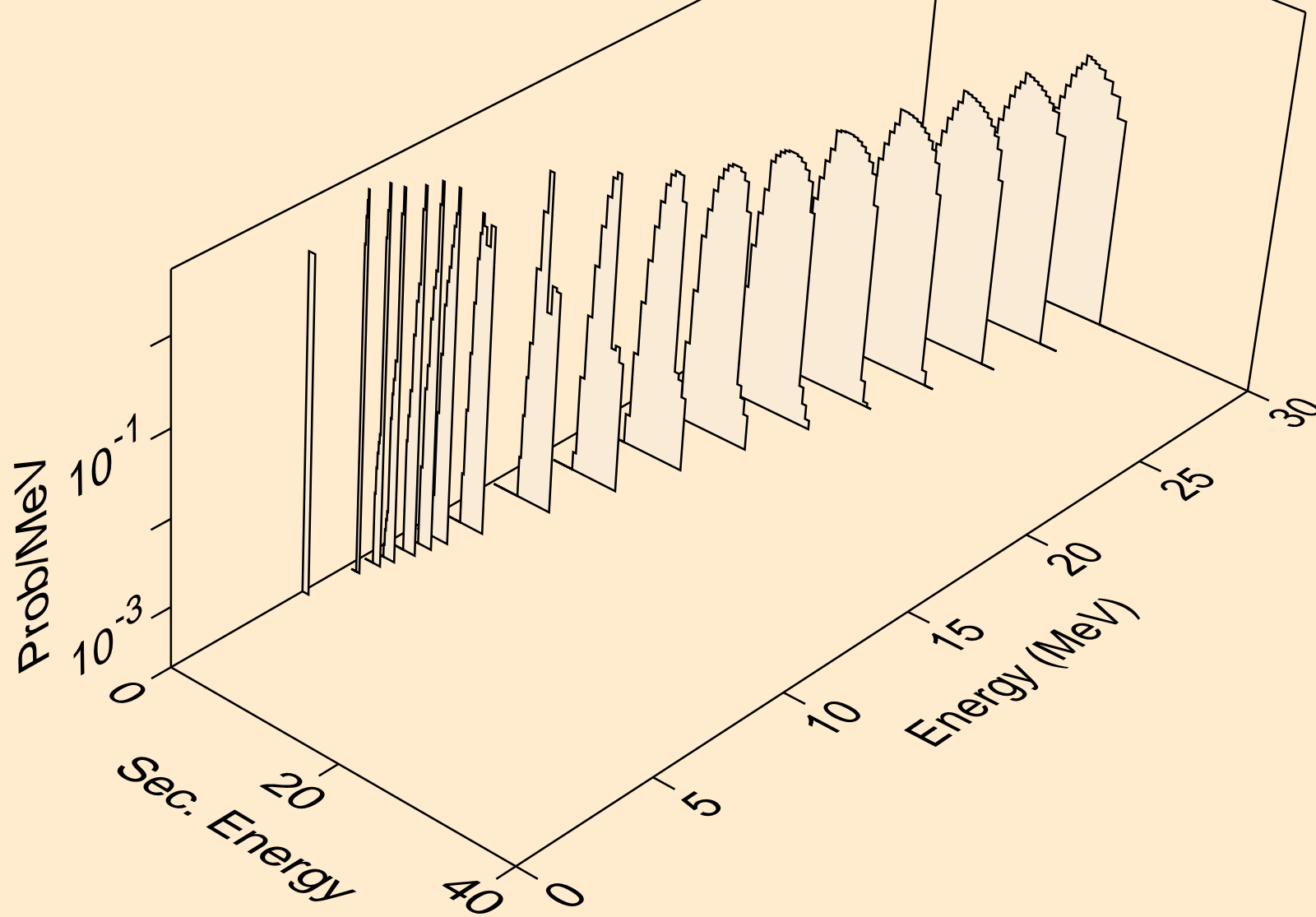
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tritons from (n,x)



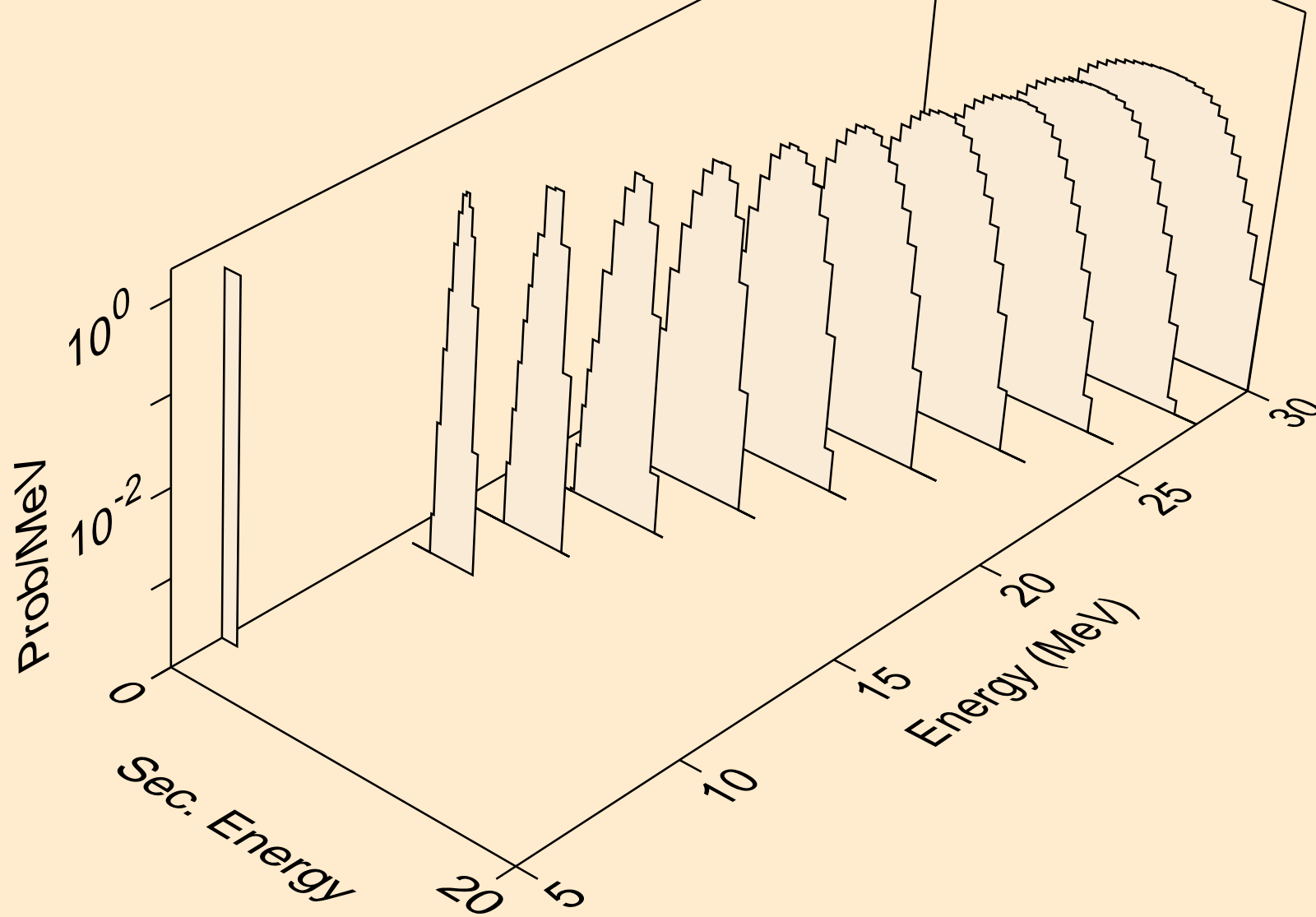
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tritons from (n,n\*)t



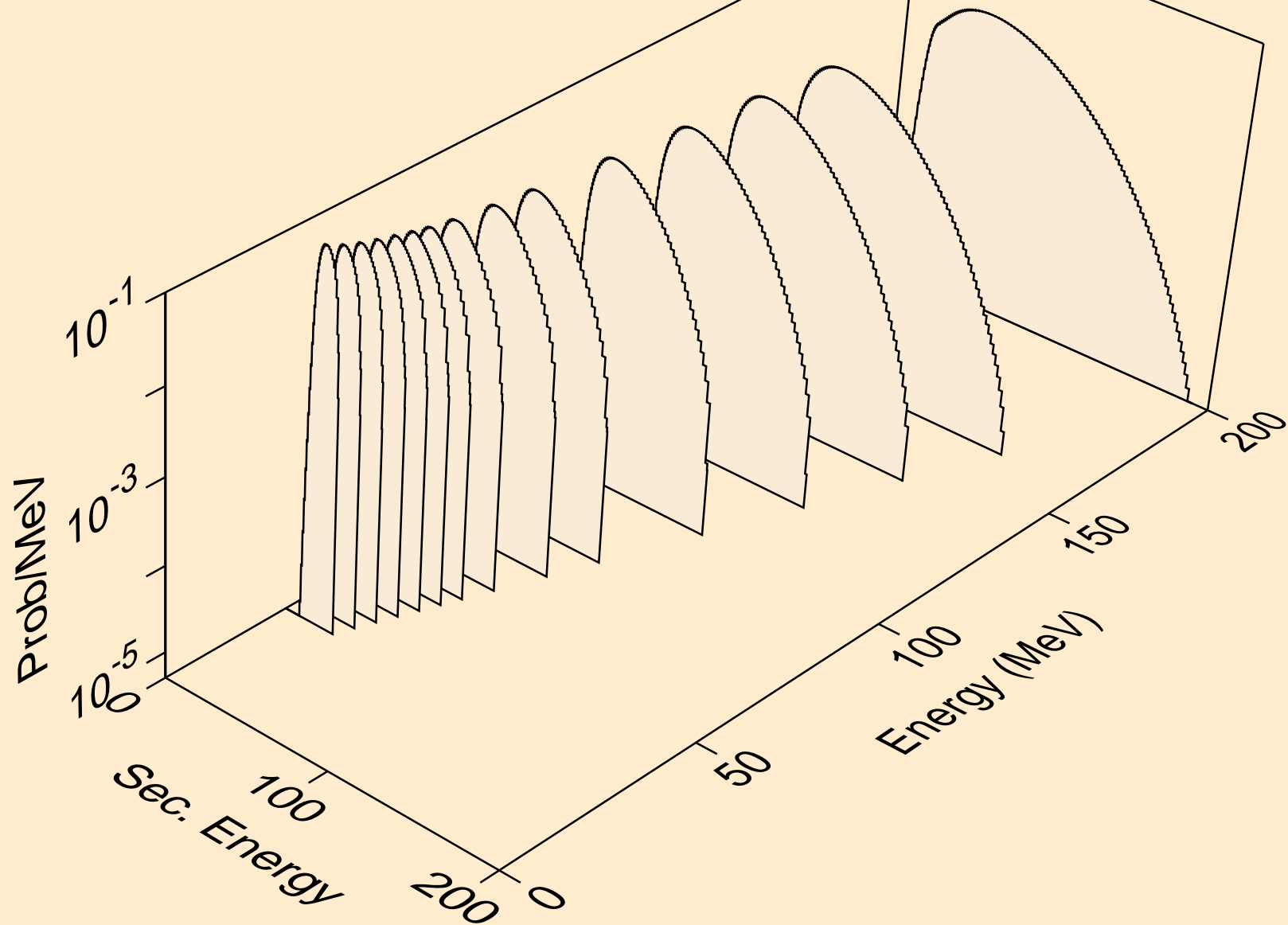
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tritons from (n,t)



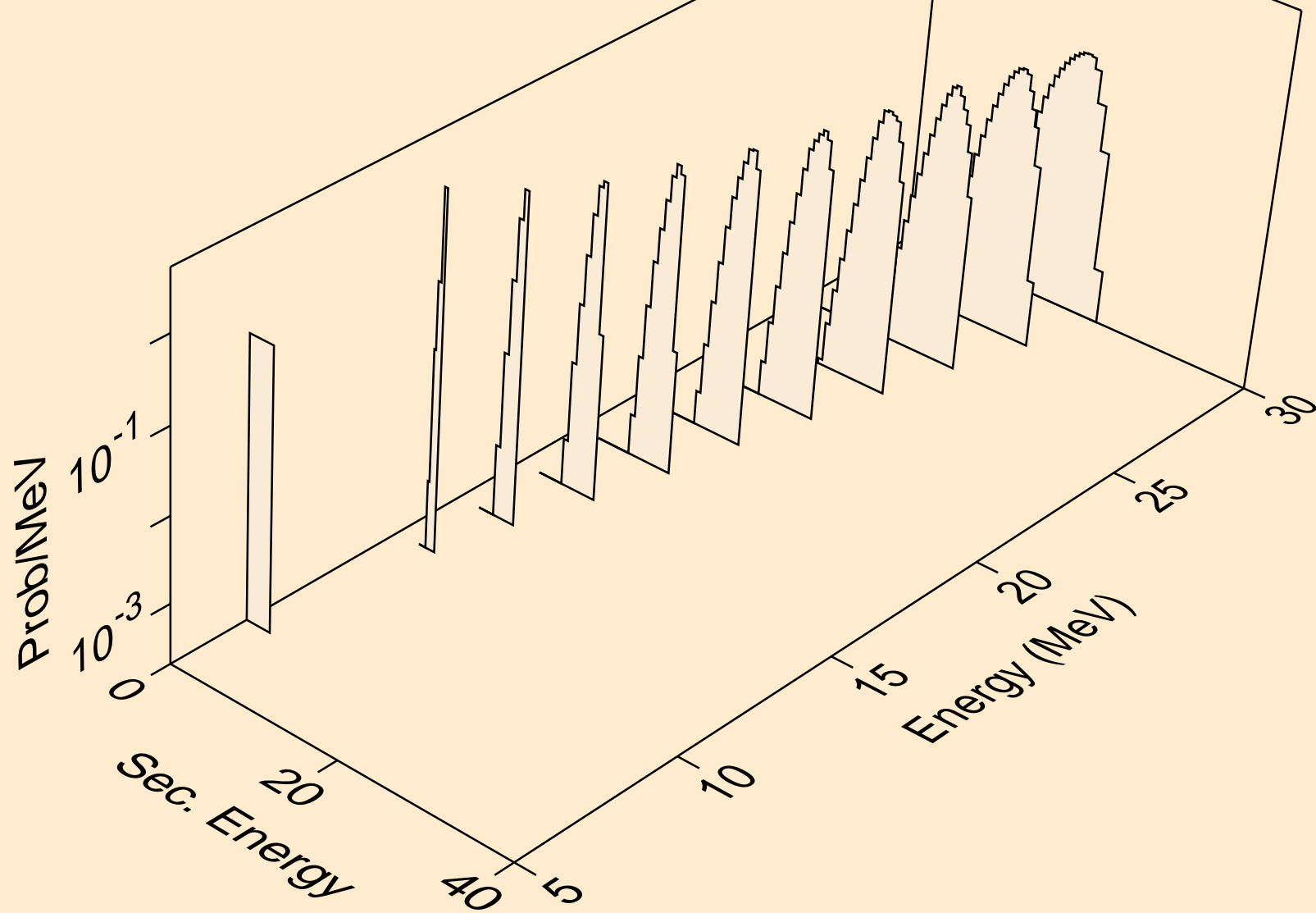
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tritons from (n,pt)



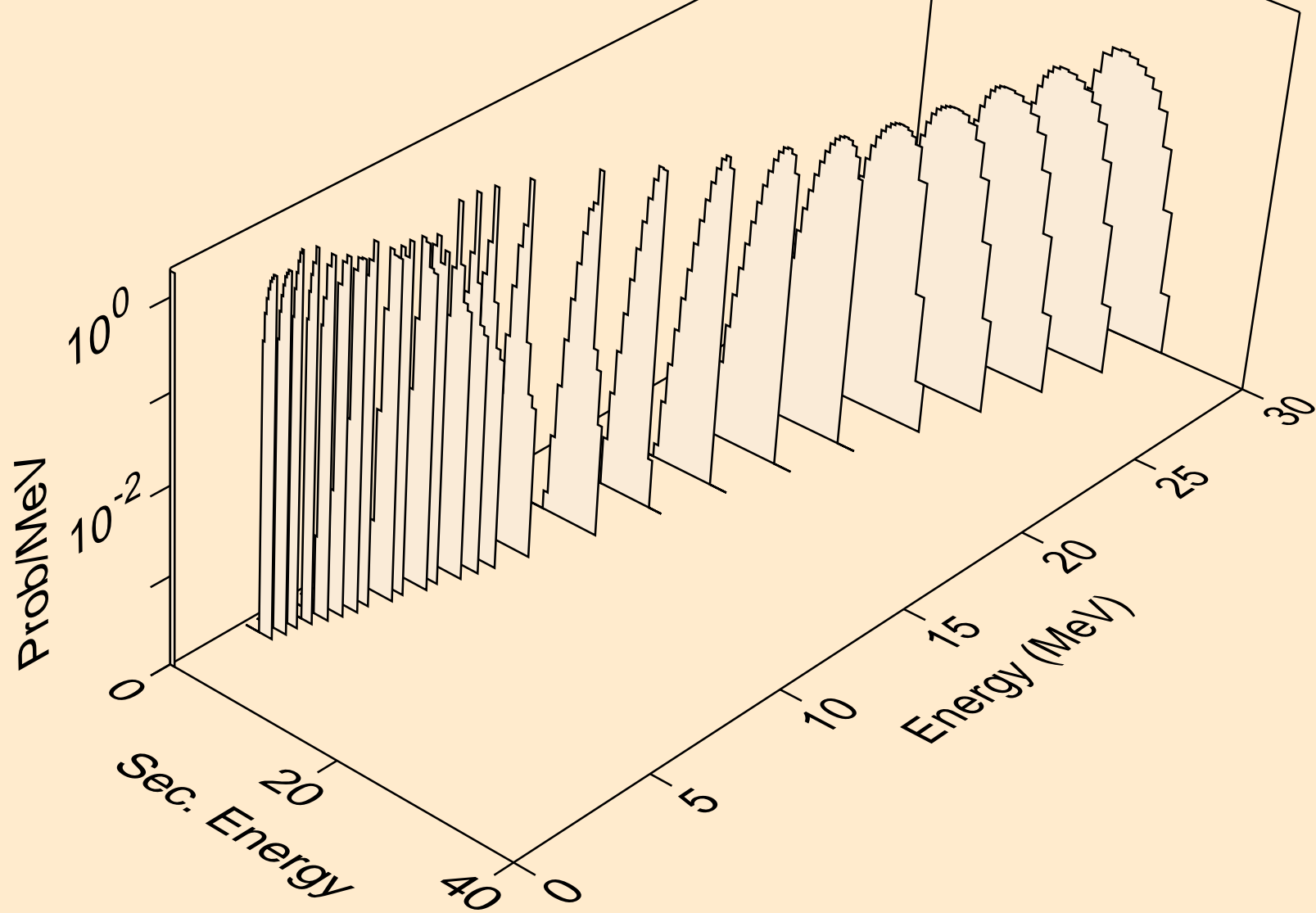
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

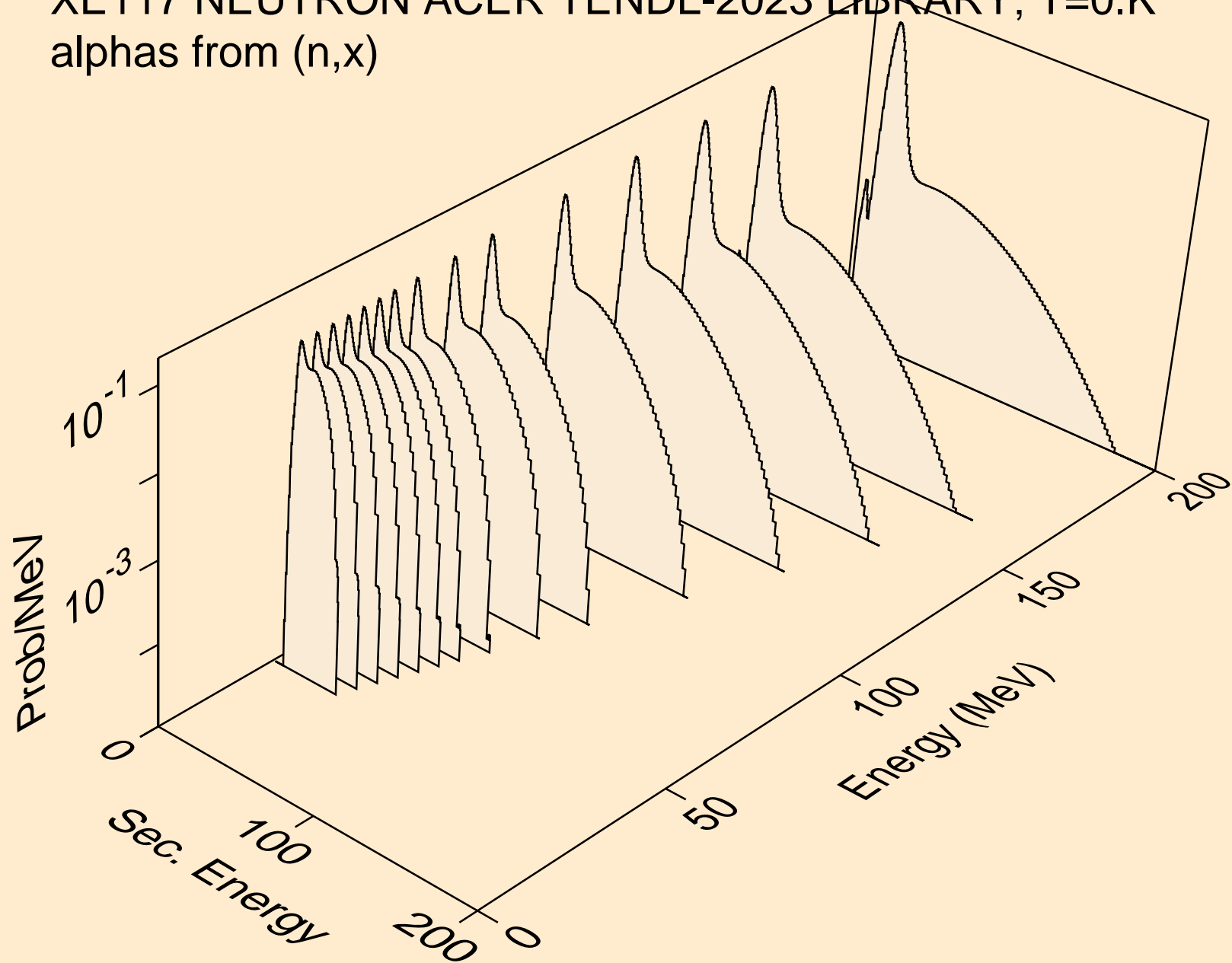


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he3s from (n,he3)

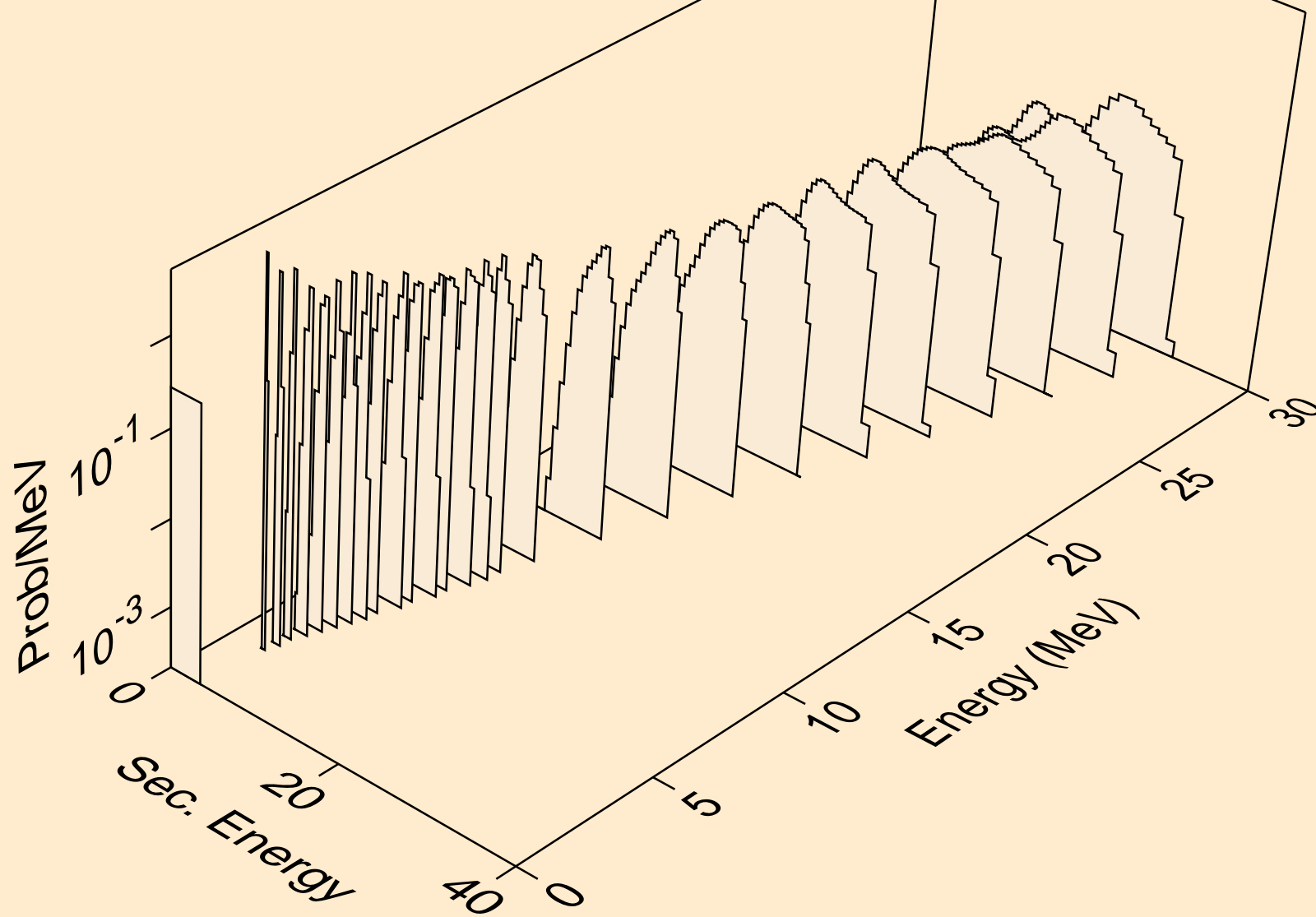




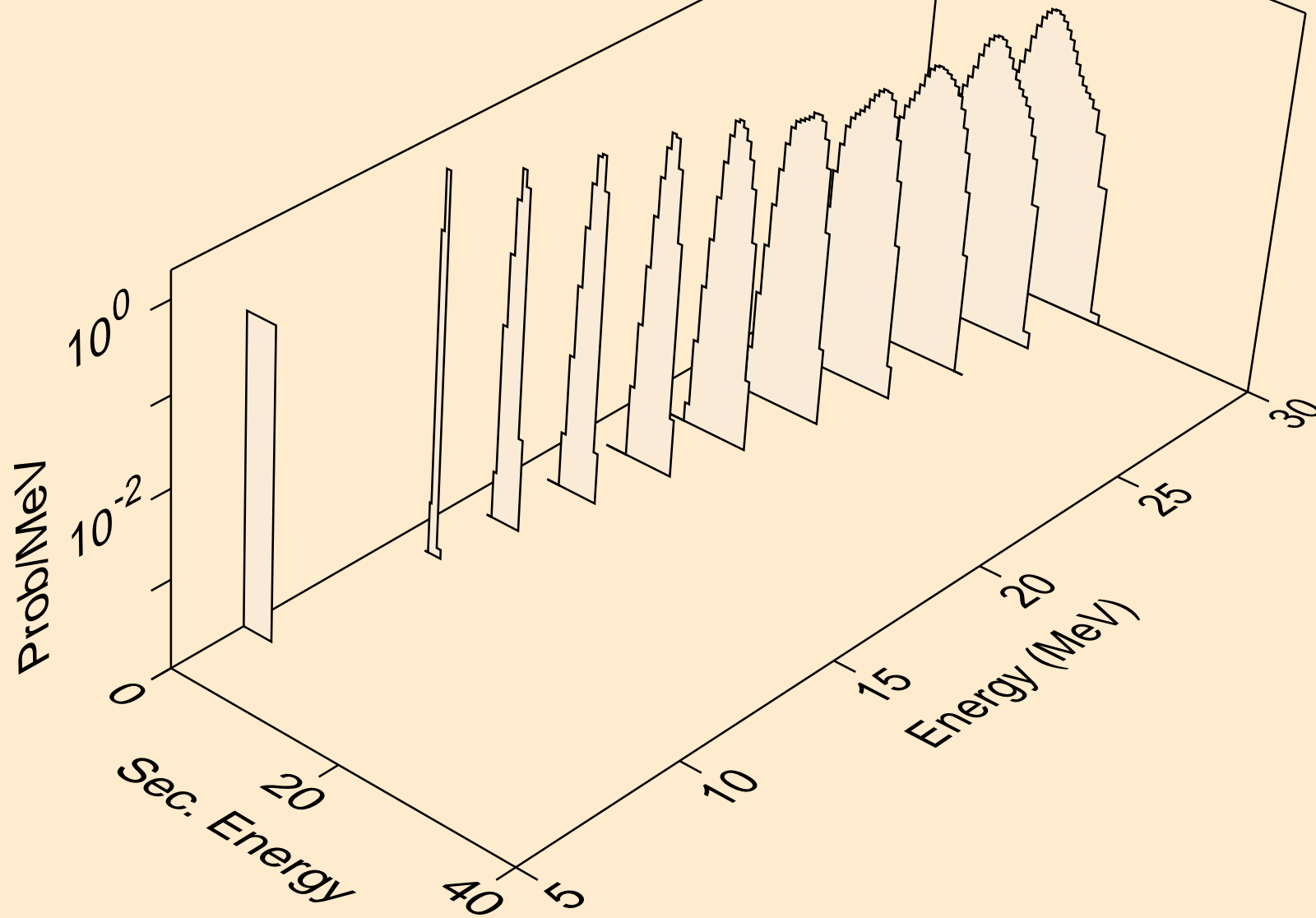
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alphas from (n,x)



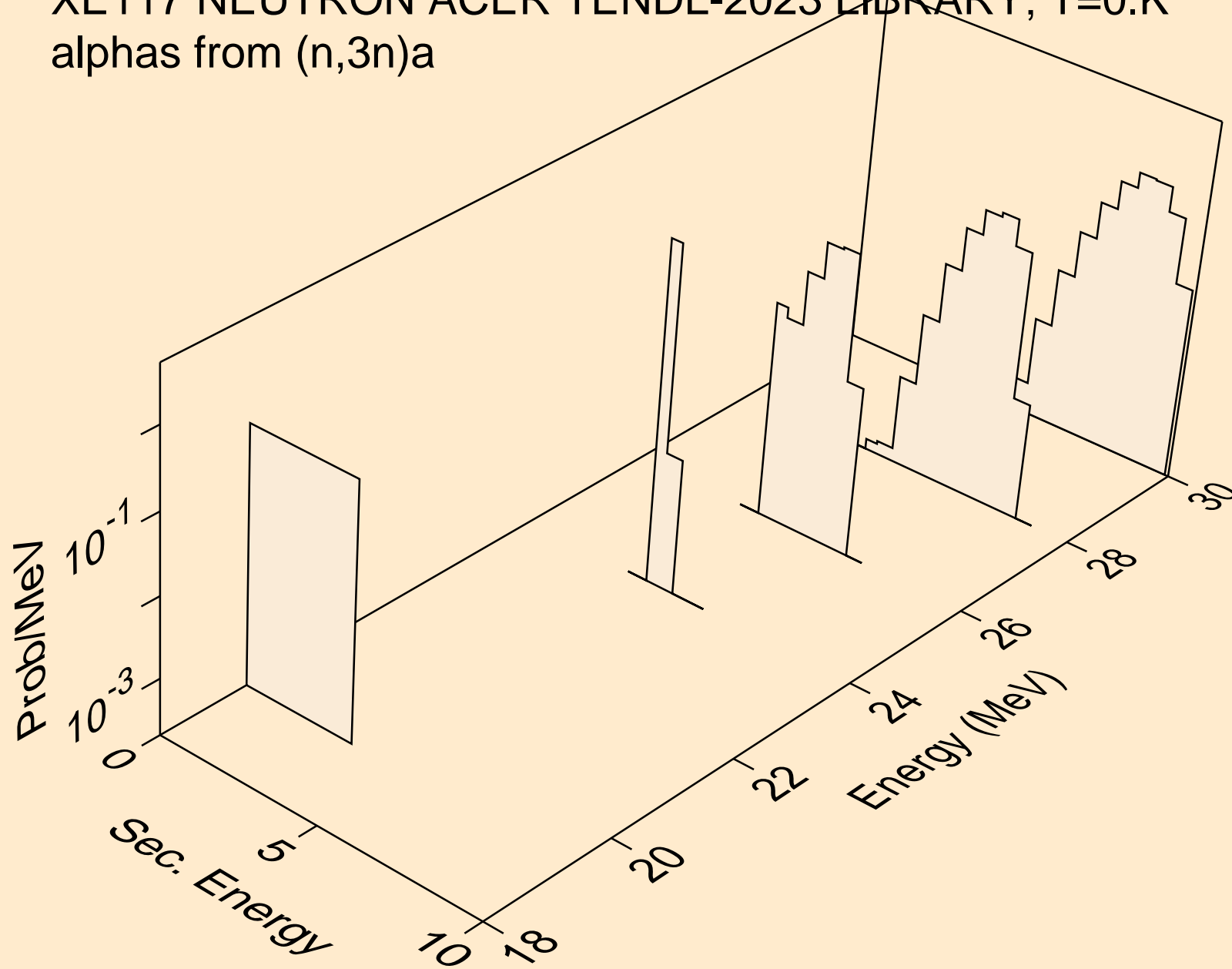
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alphas from (n,n\*)a



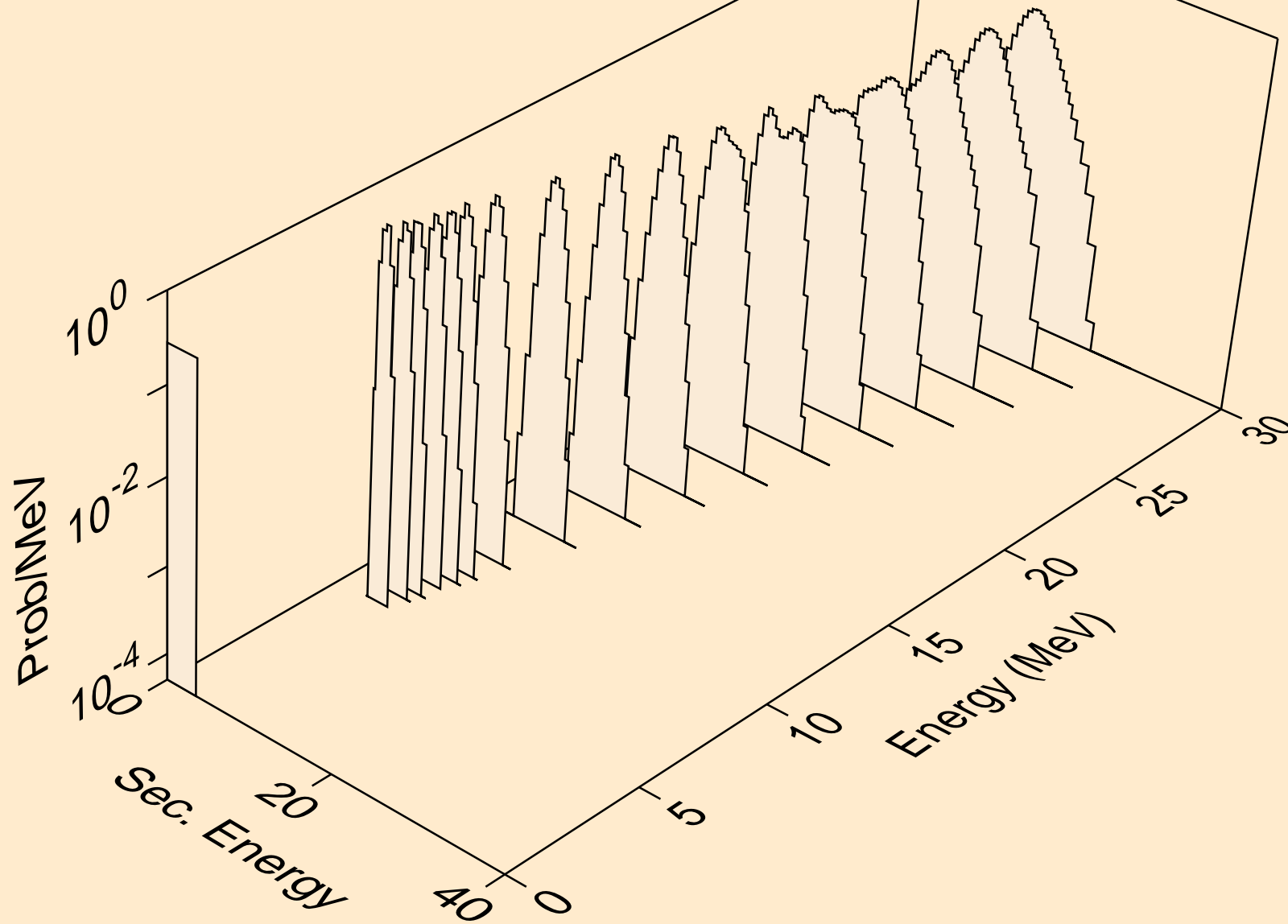
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alphas from (n,2n)a



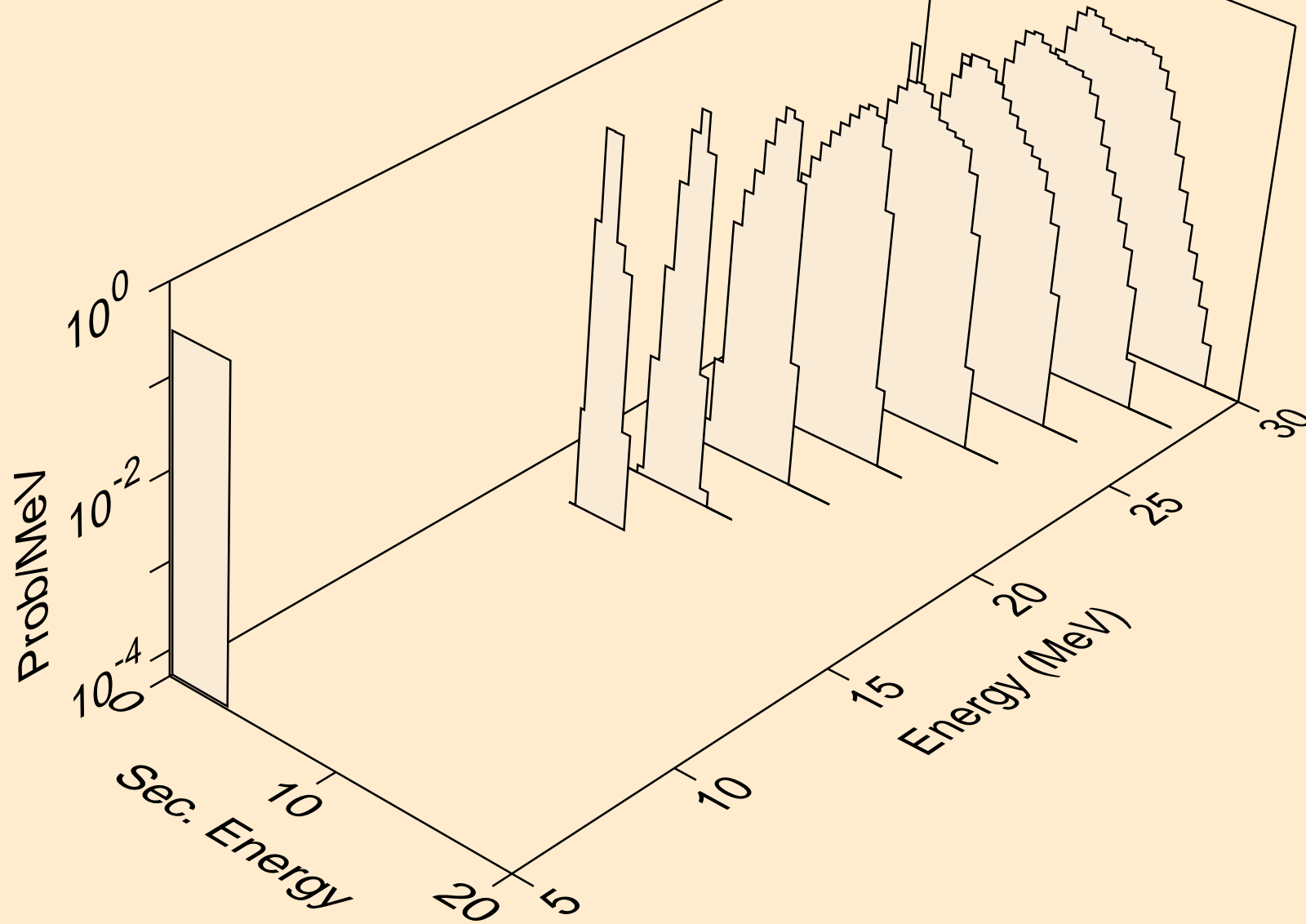
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alphas from (n,3n)a



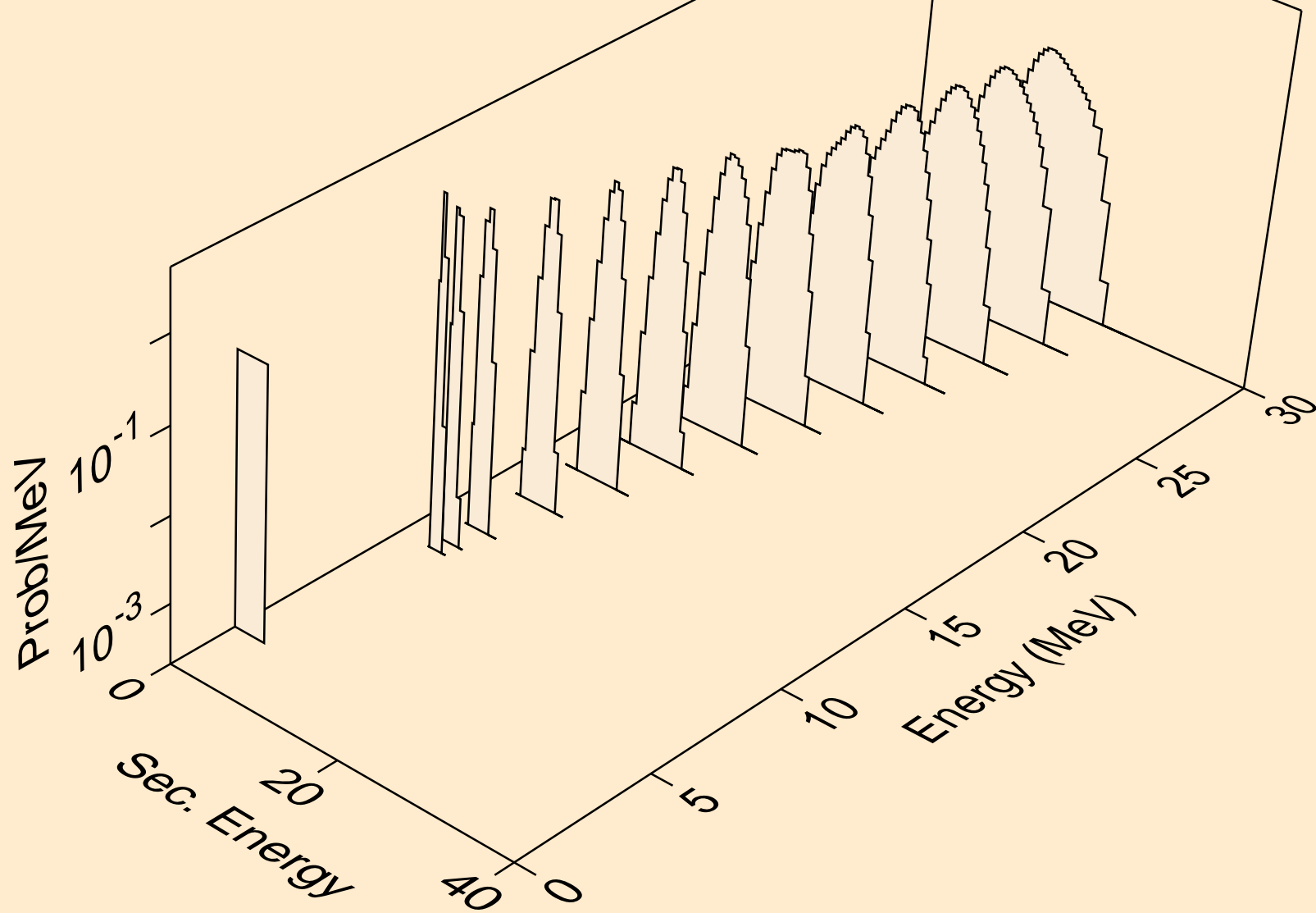
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alphas from (n,n\*)2a



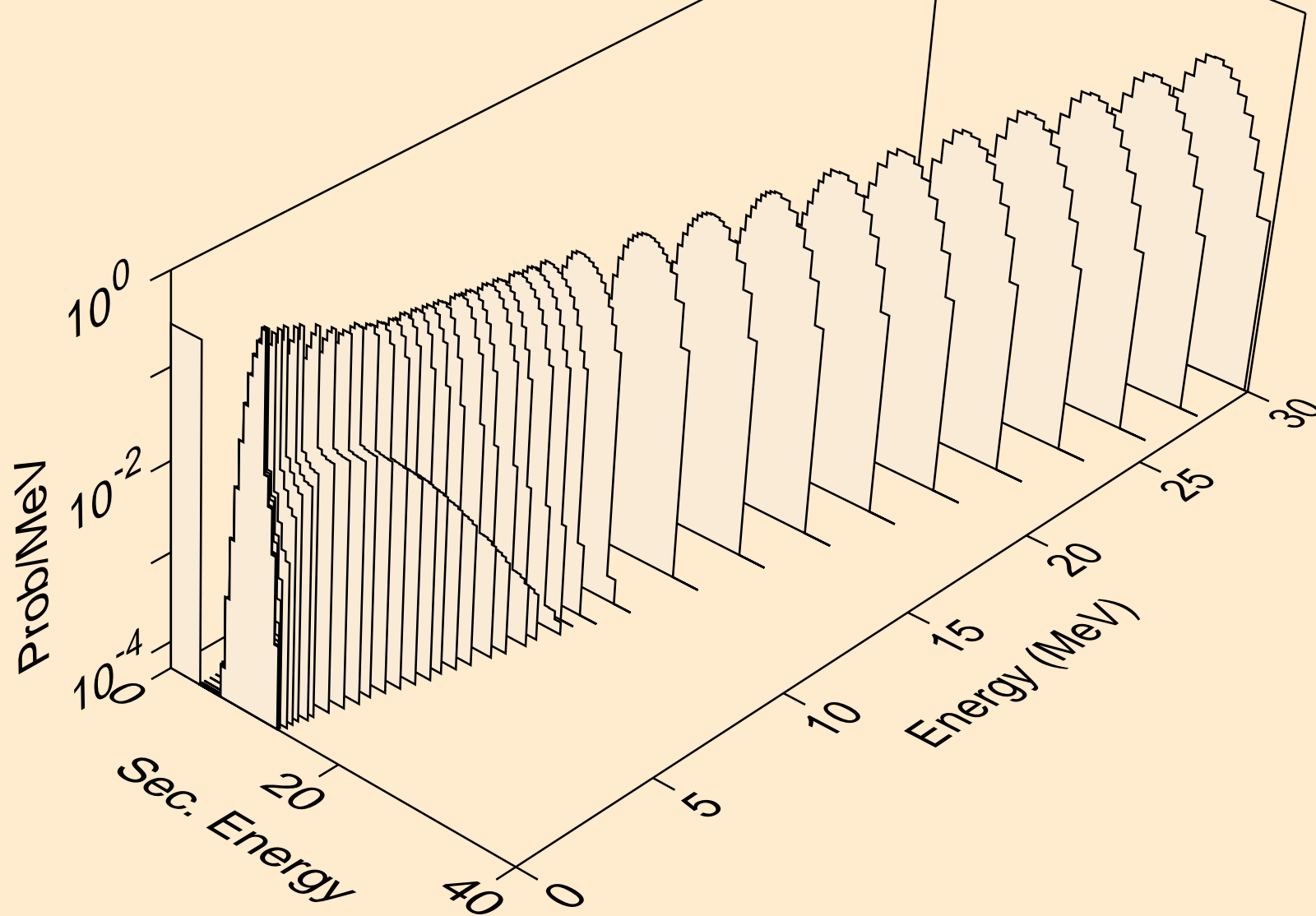
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

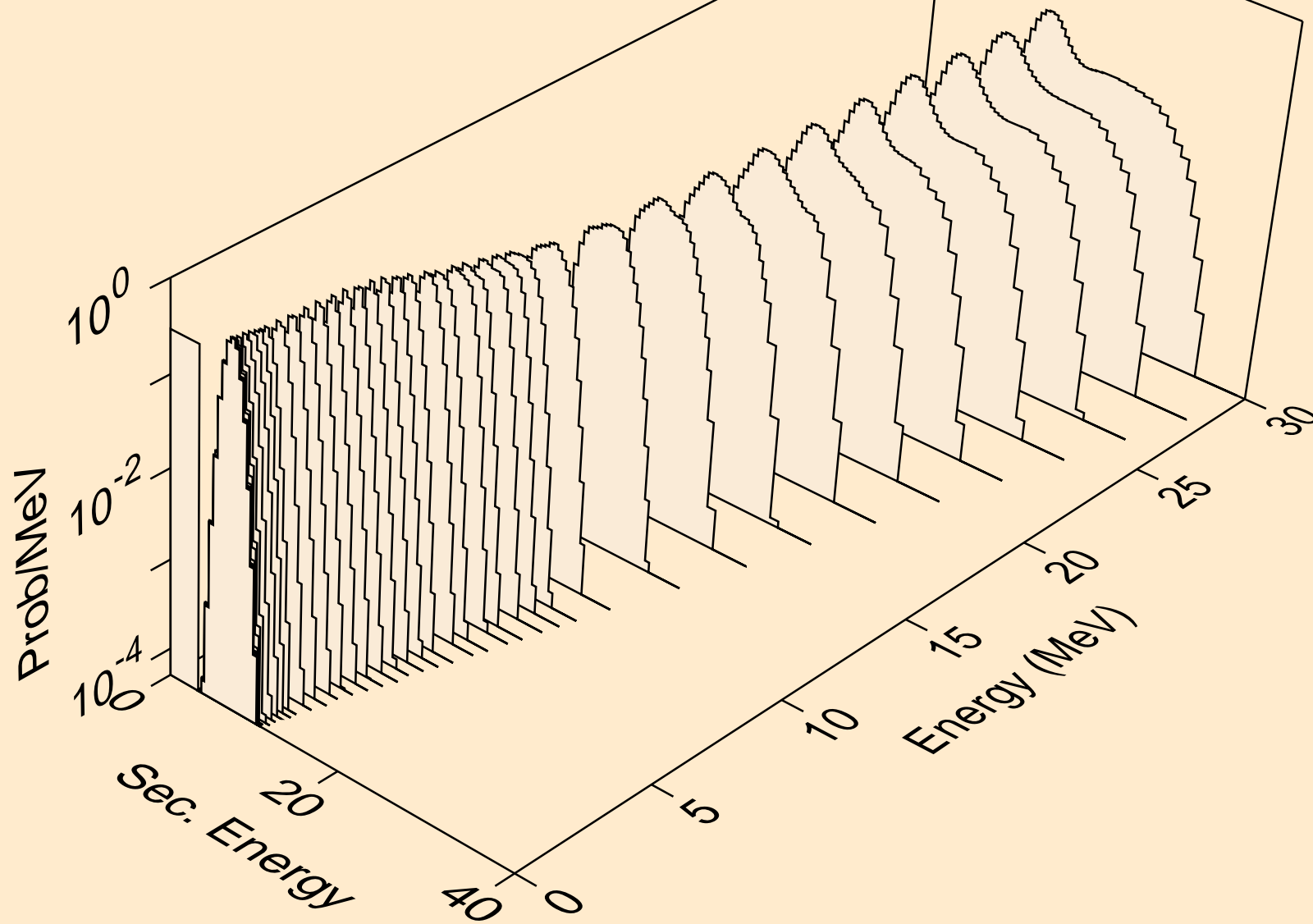


XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

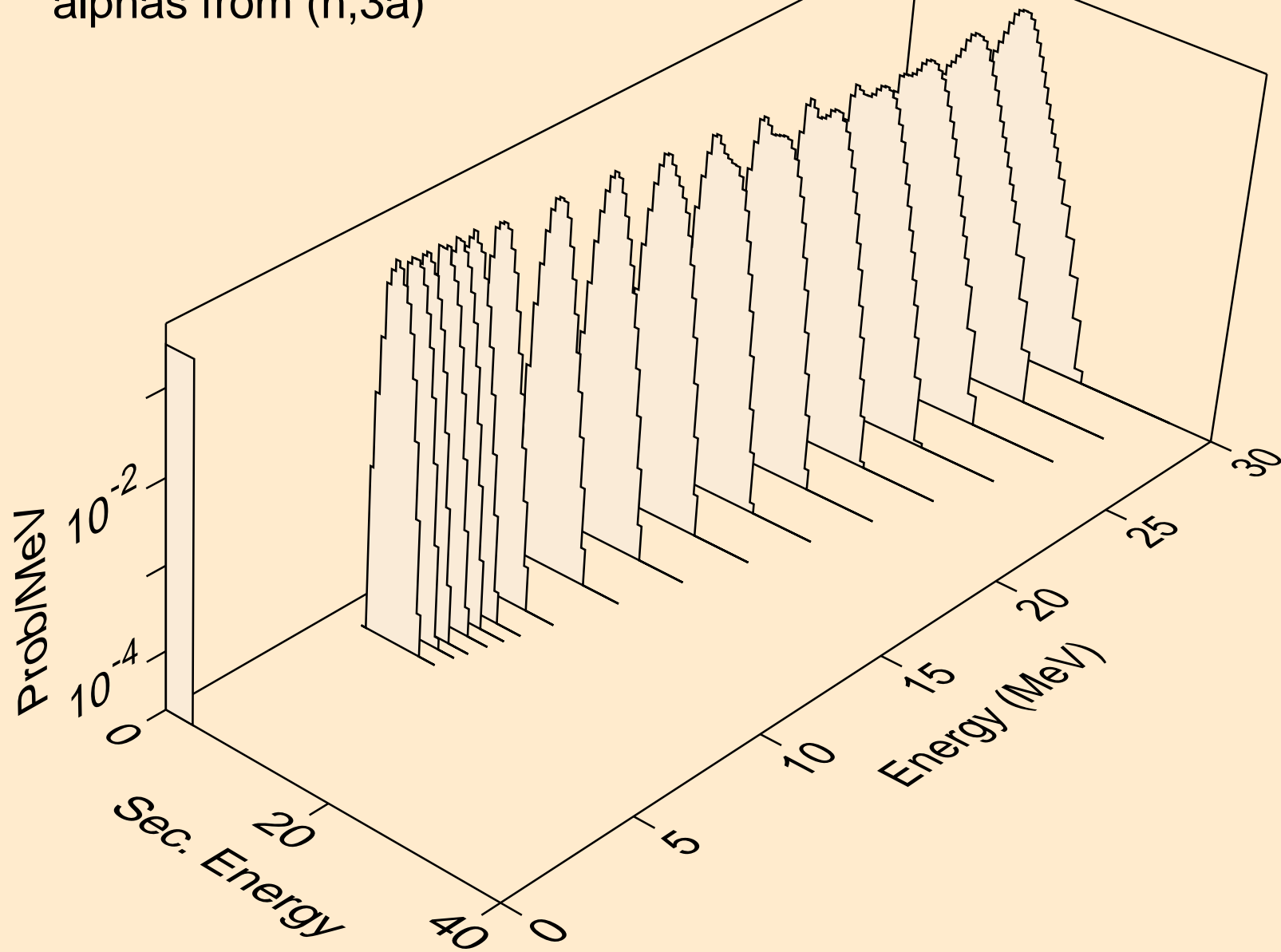




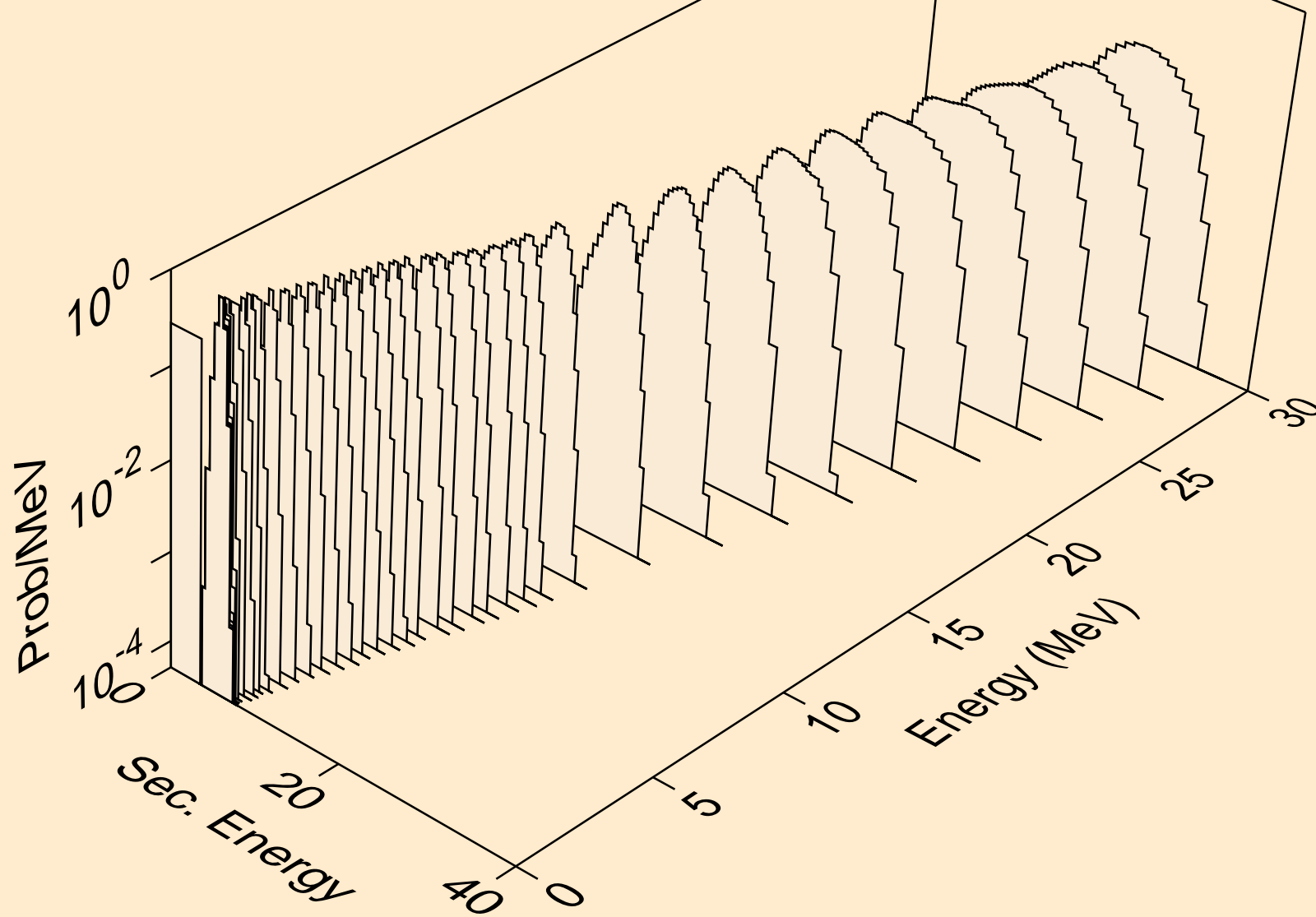
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



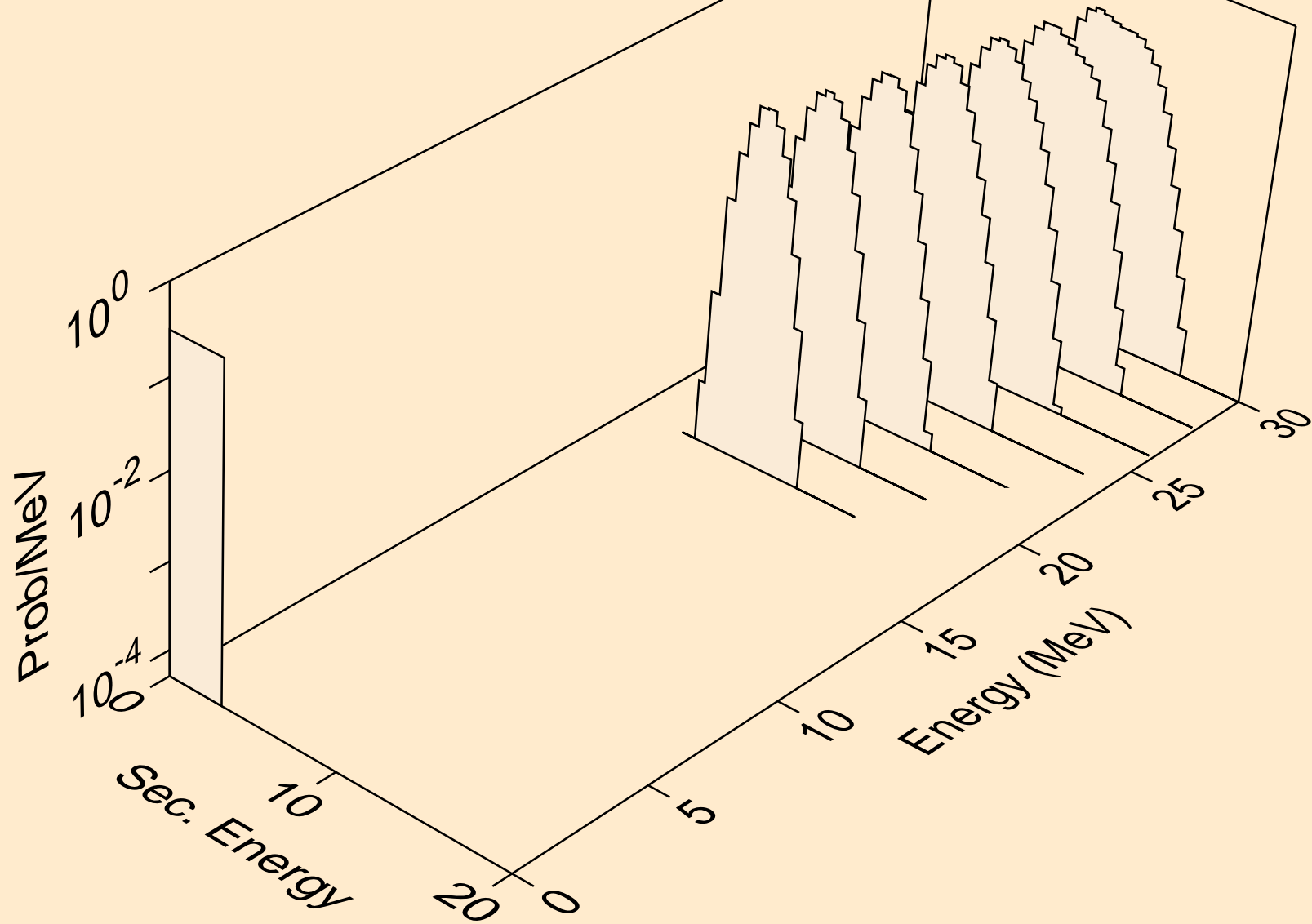
XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



XE117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

