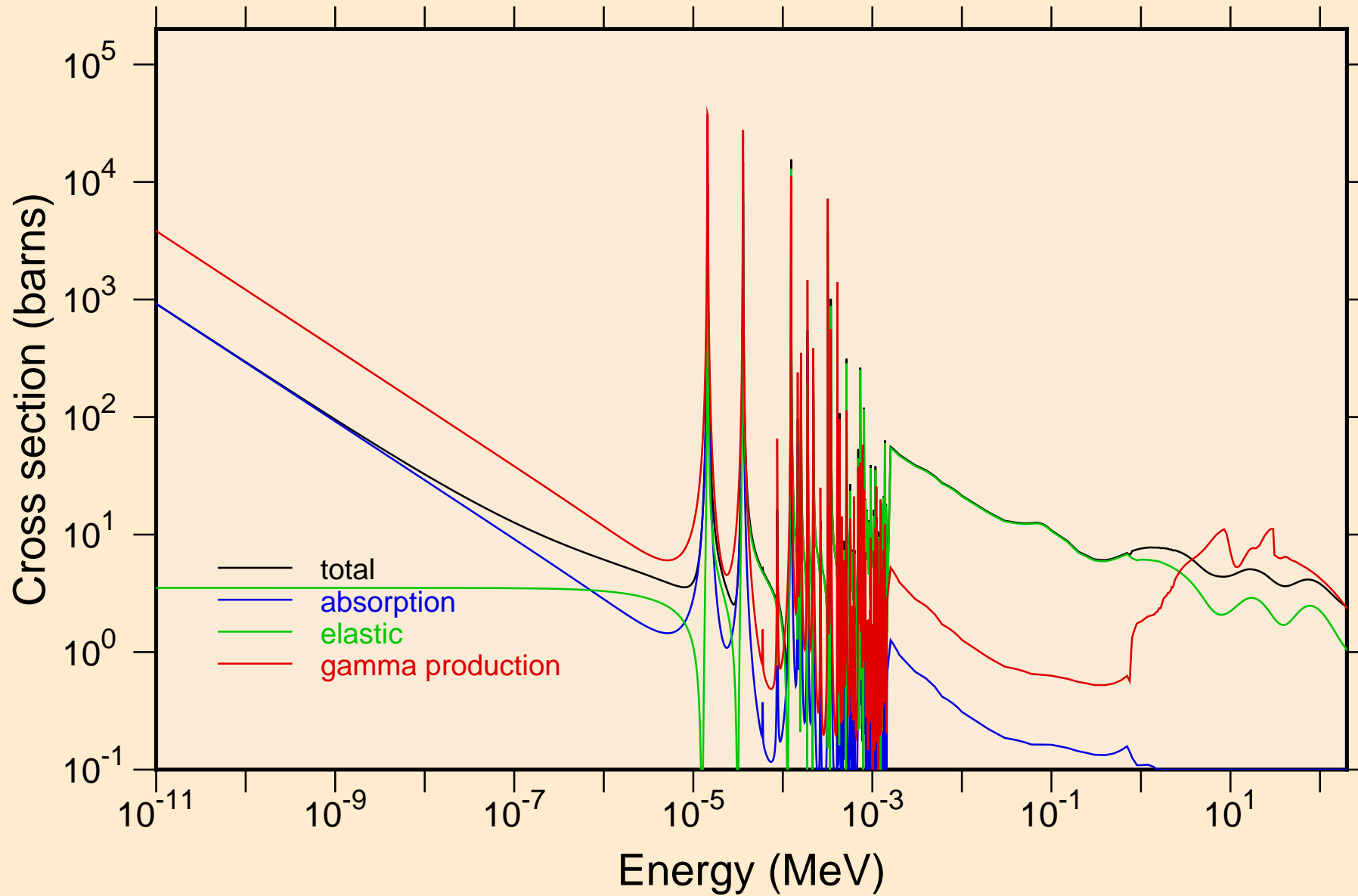
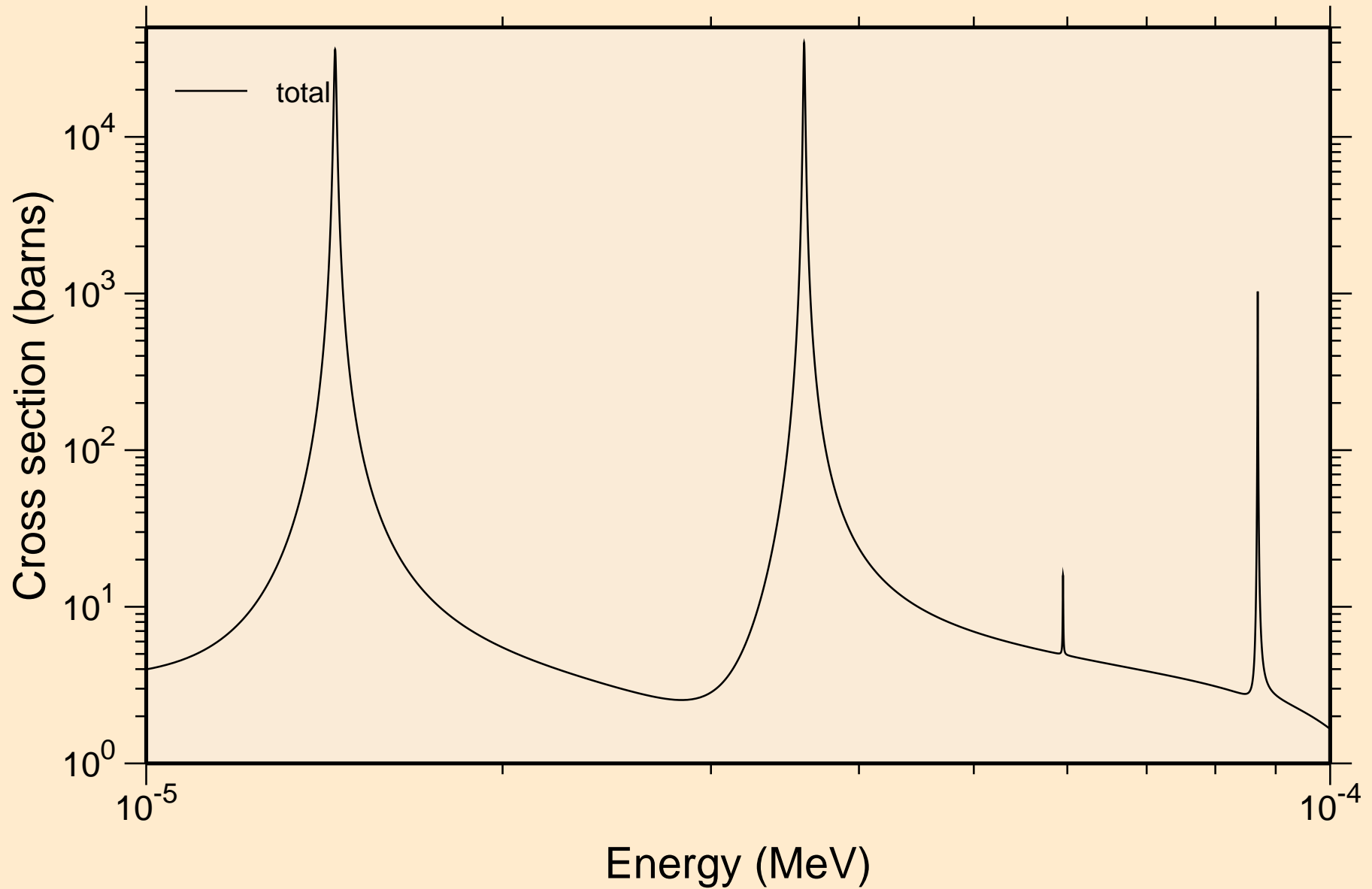


# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

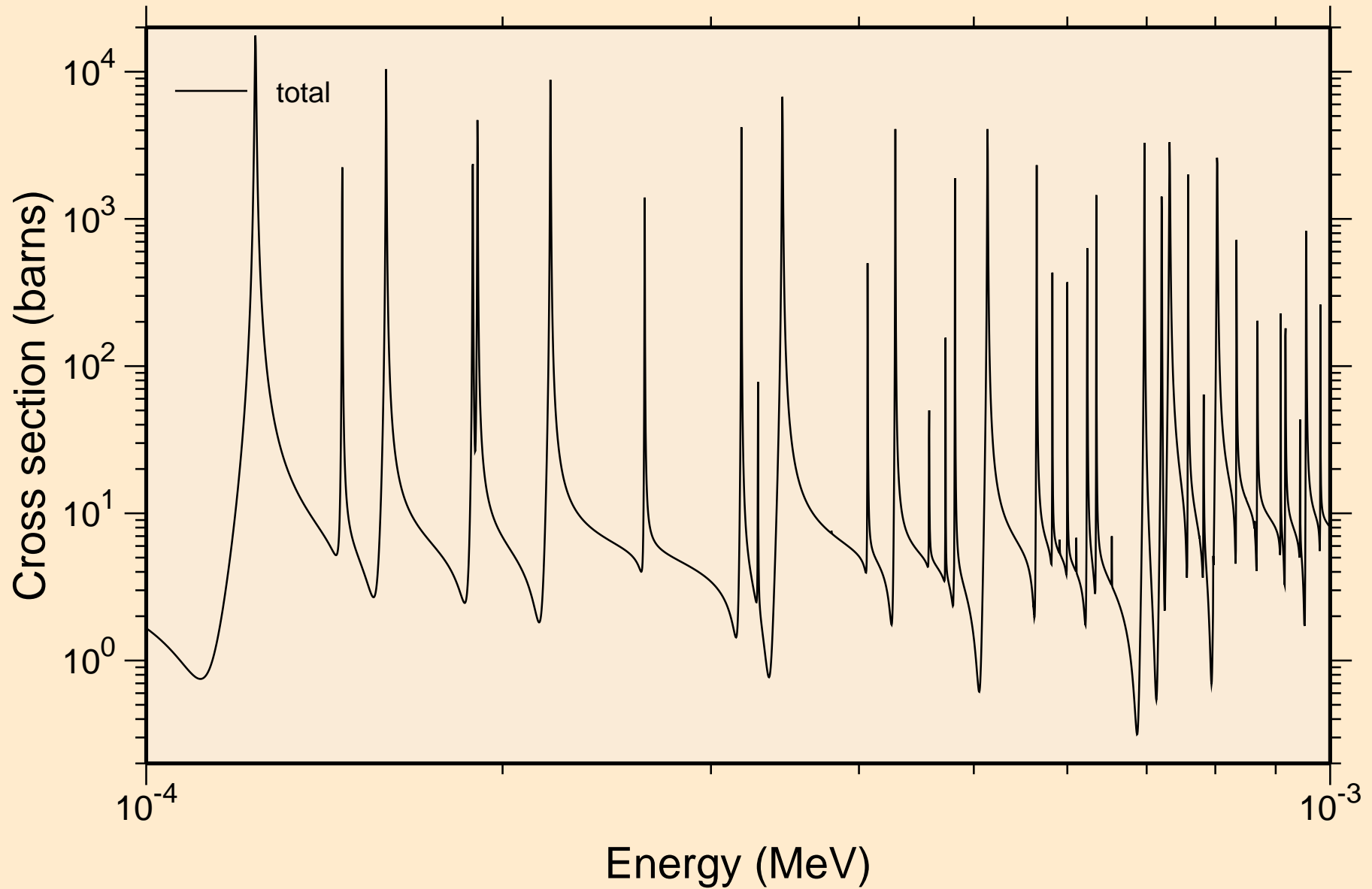
## Principal cross sections



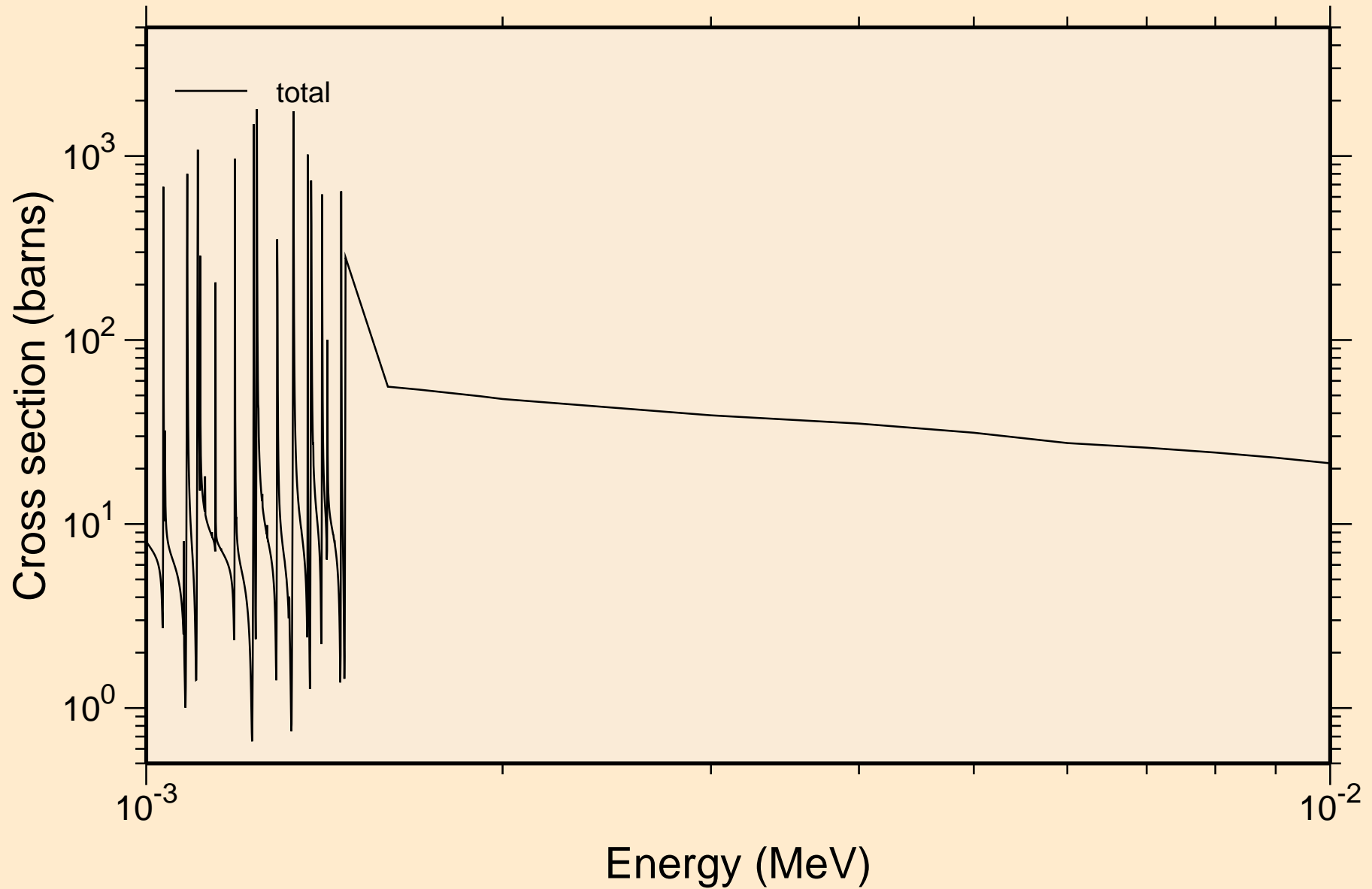
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



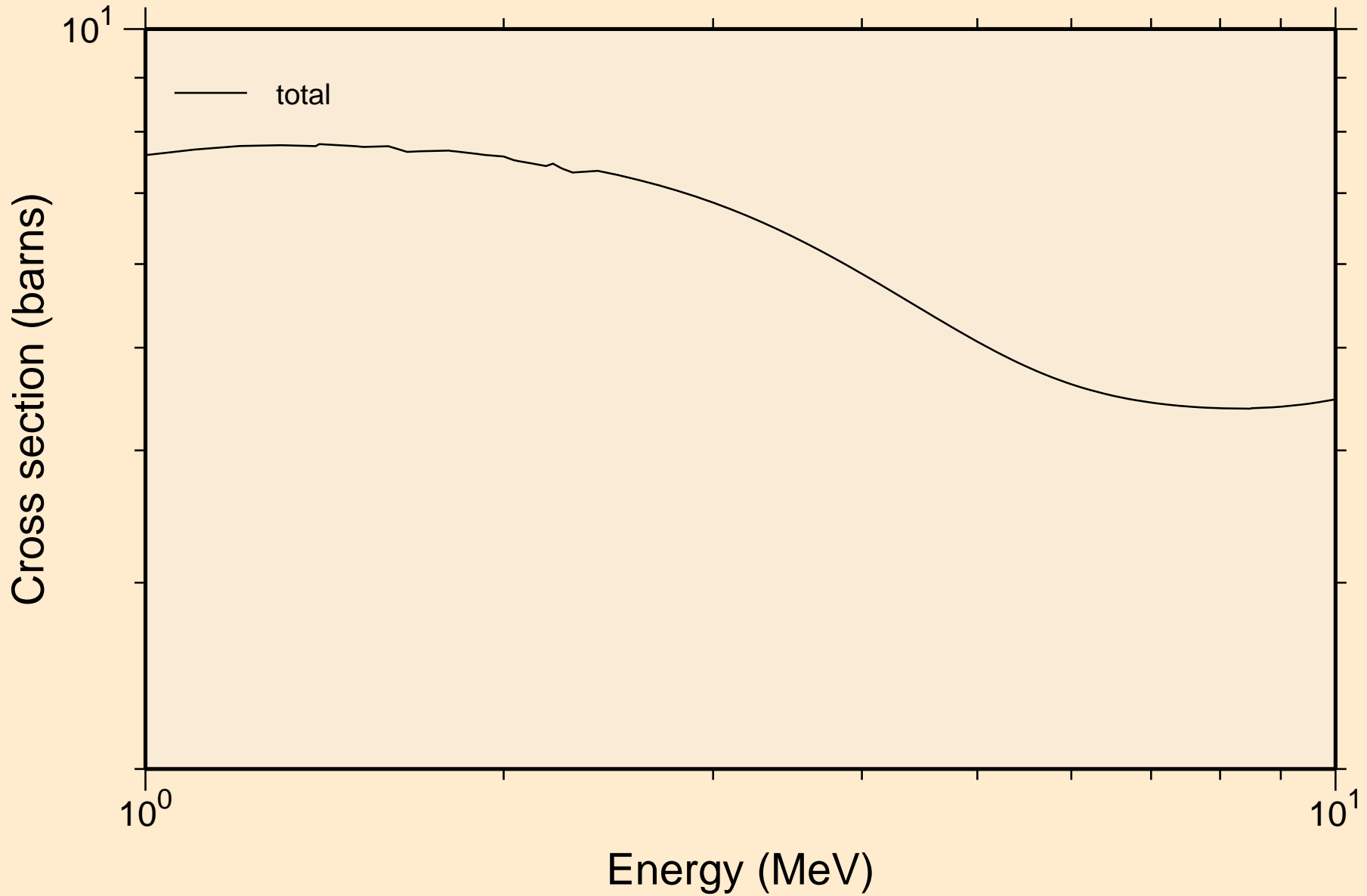
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



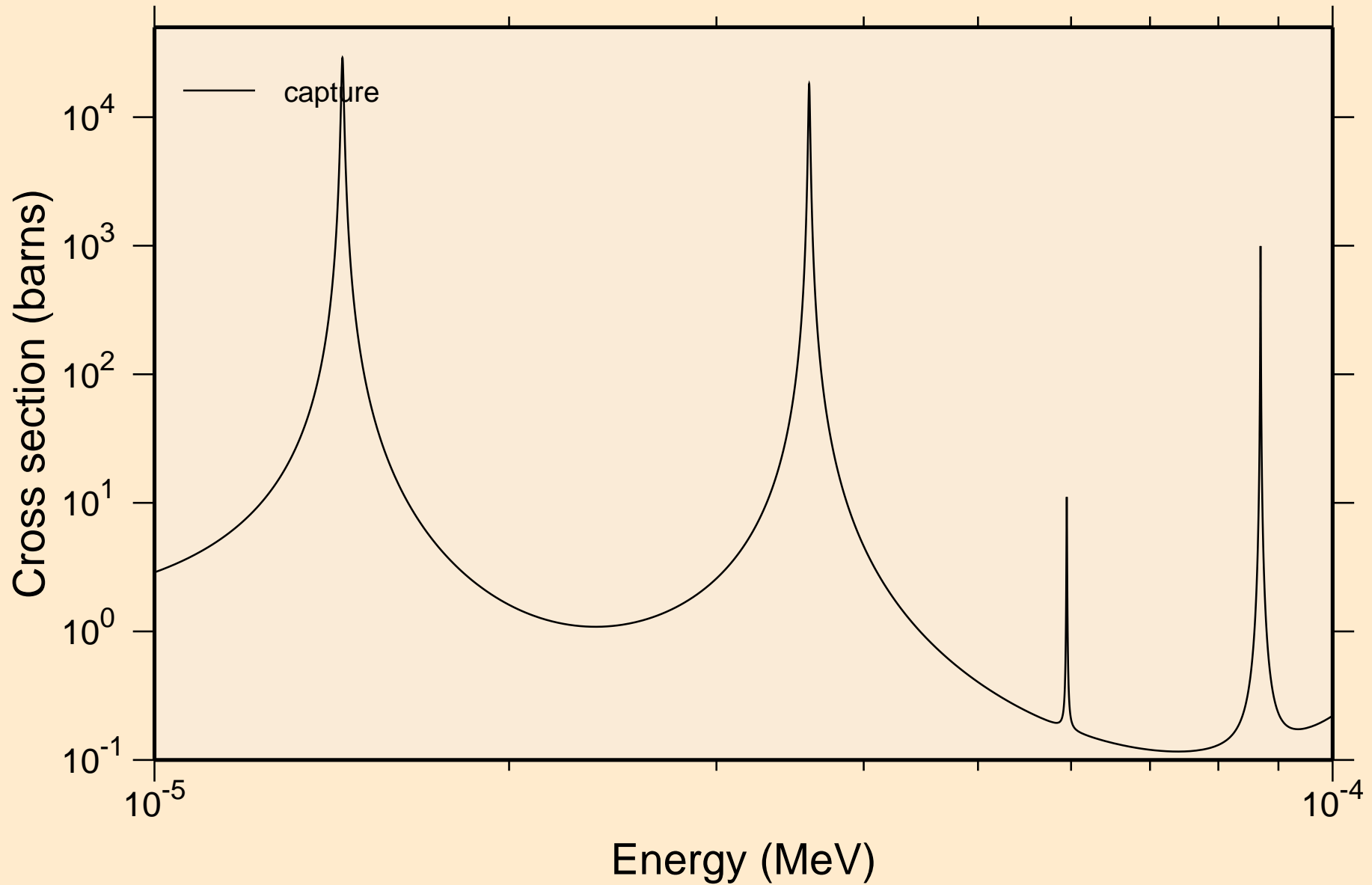
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



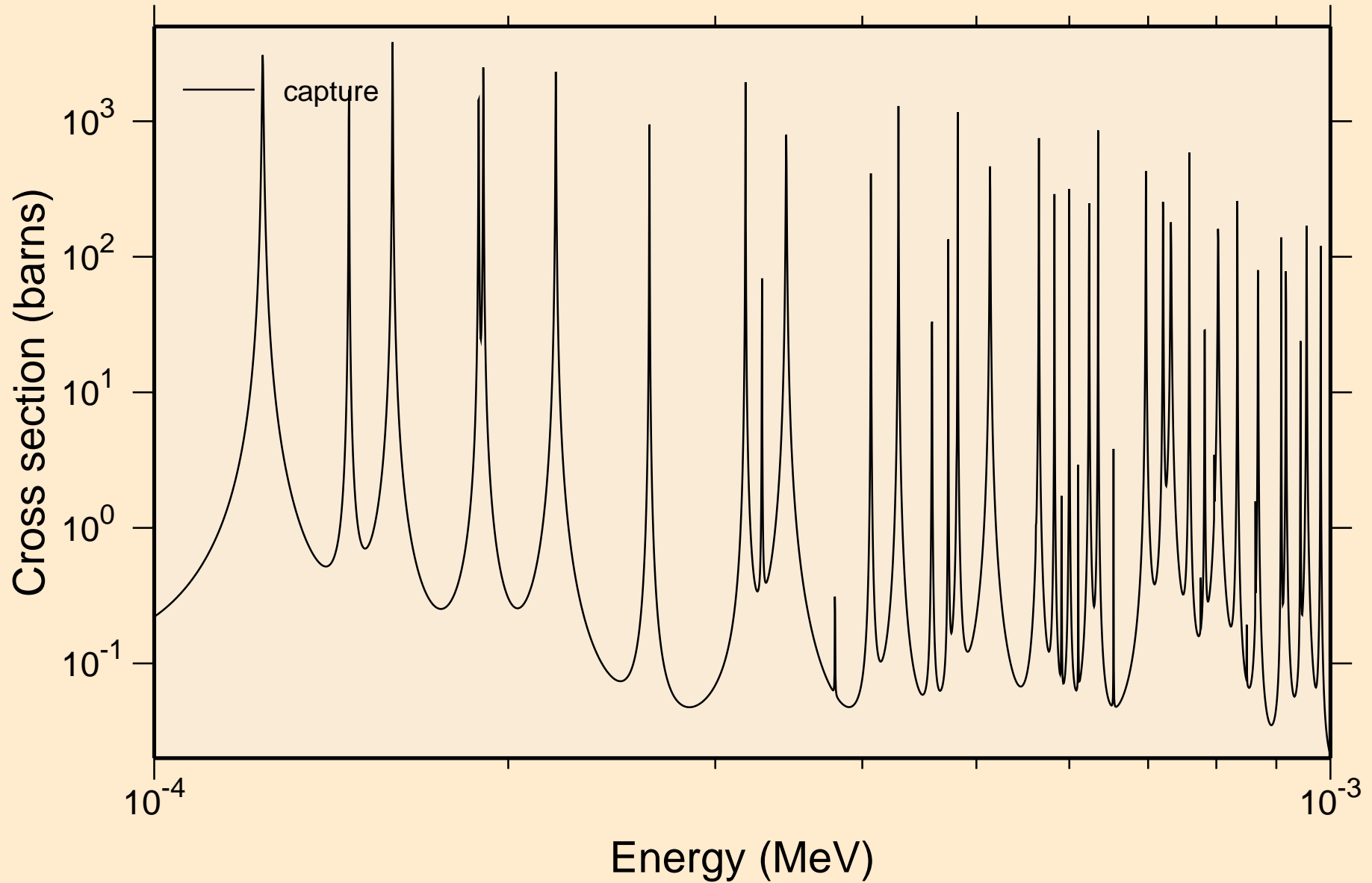
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



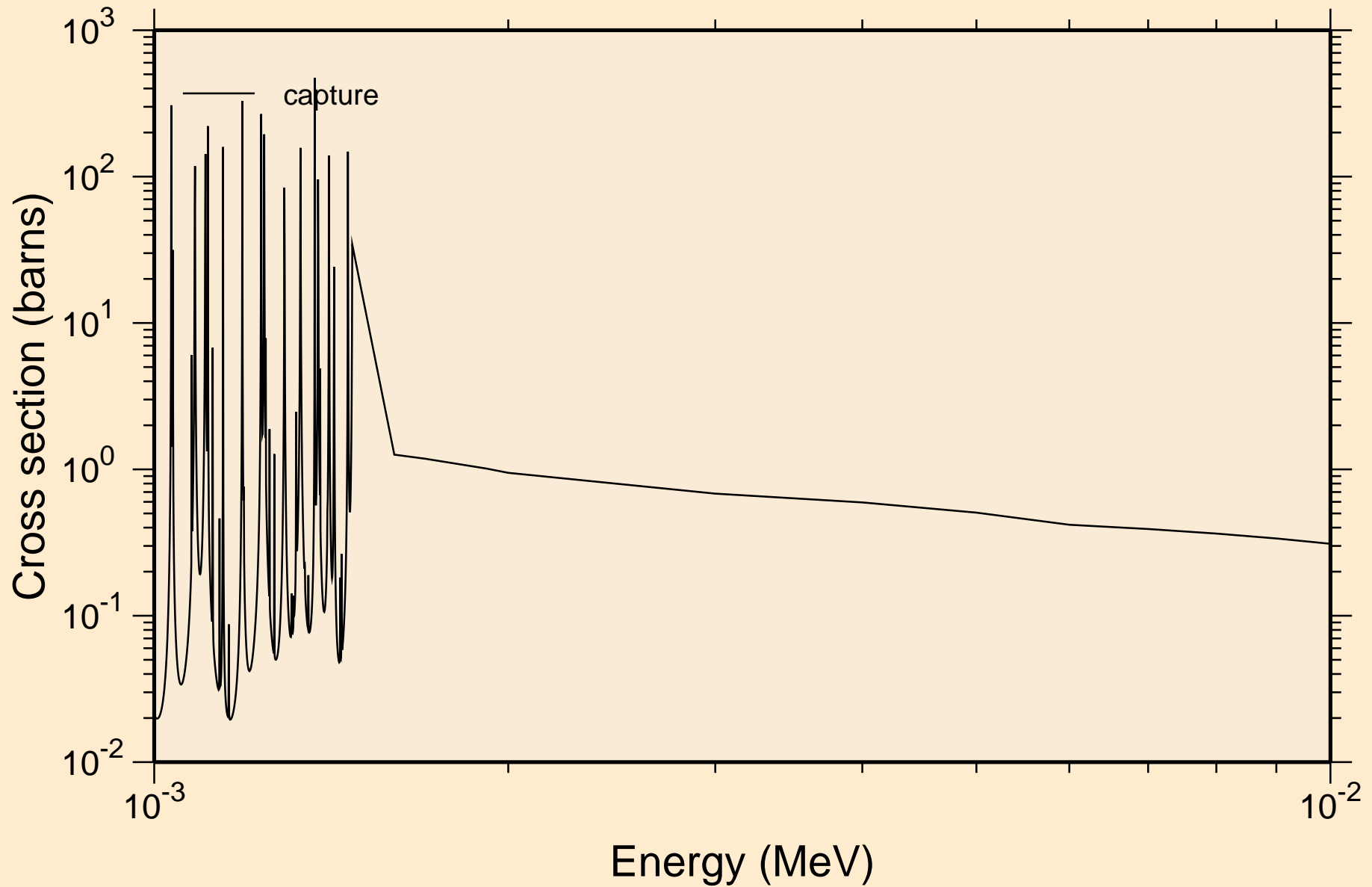
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

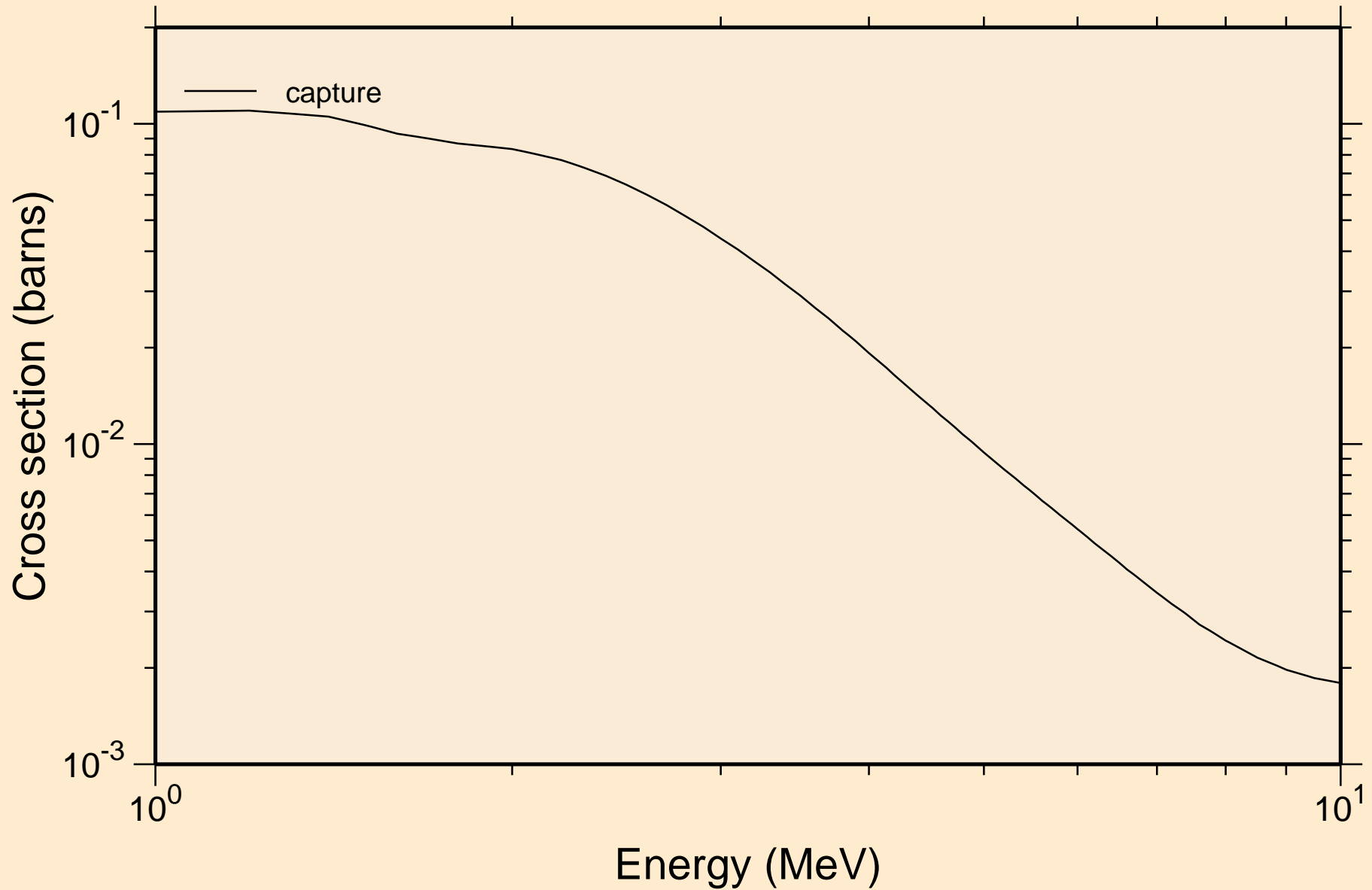


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



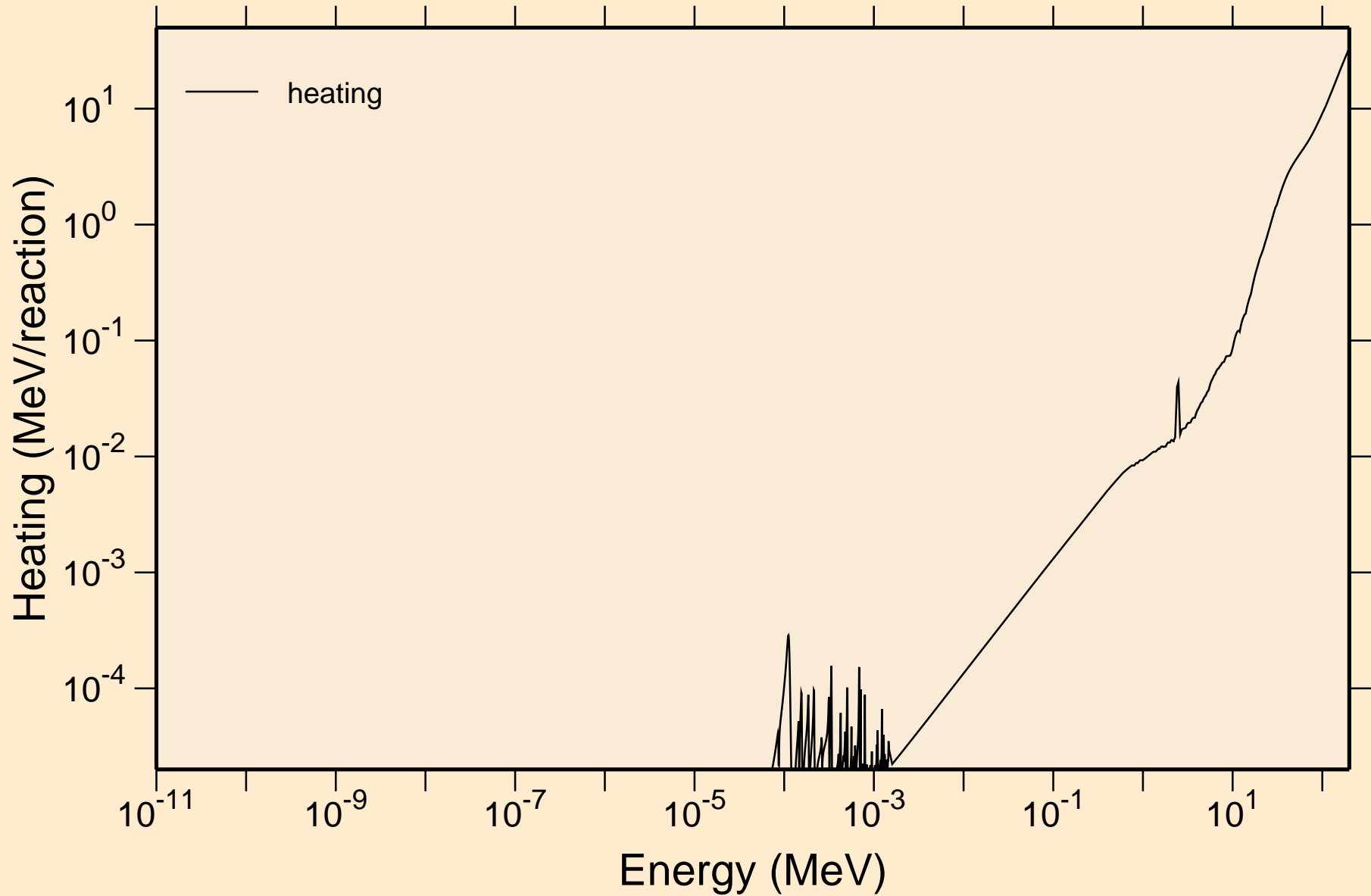


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



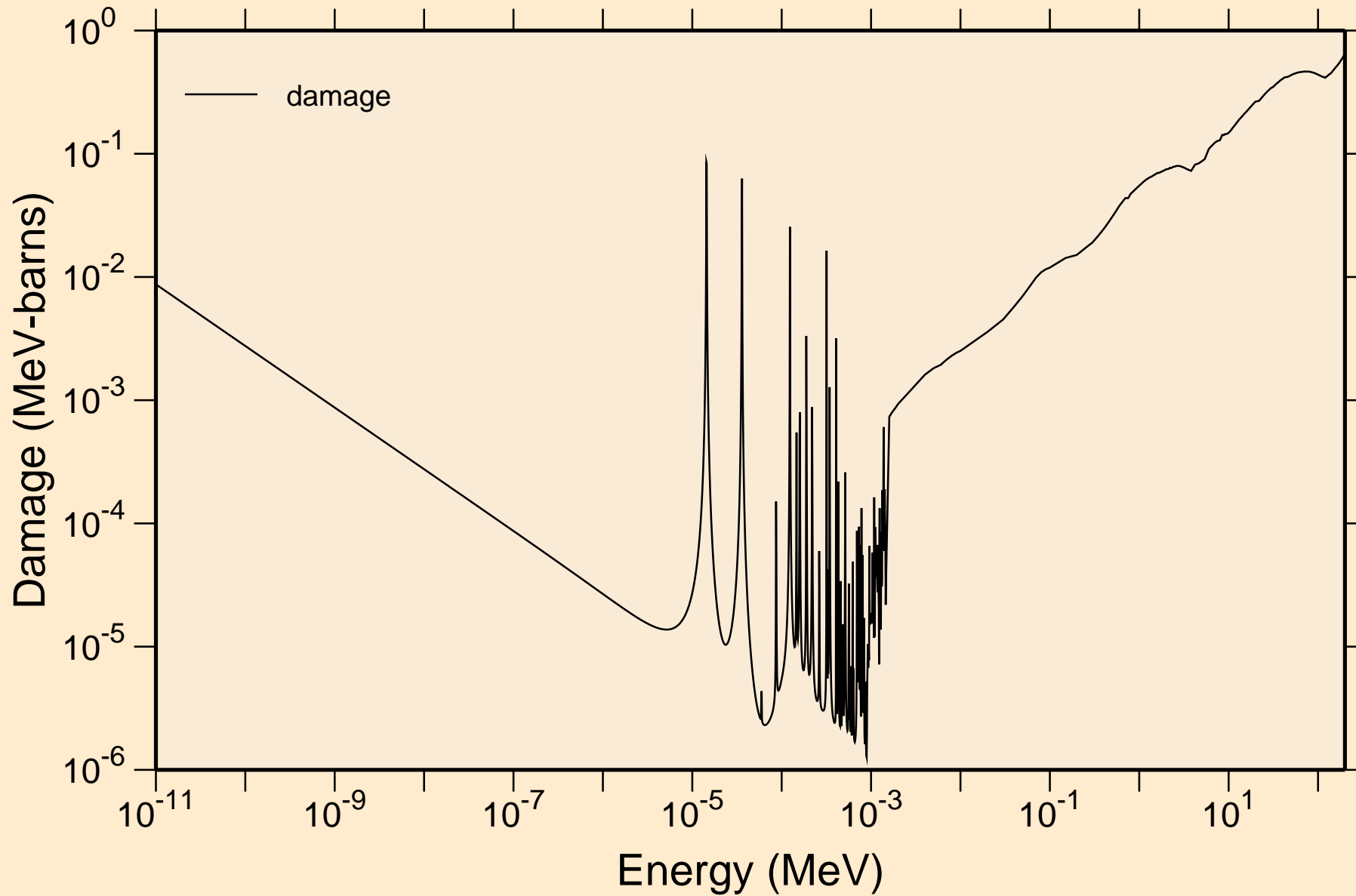
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



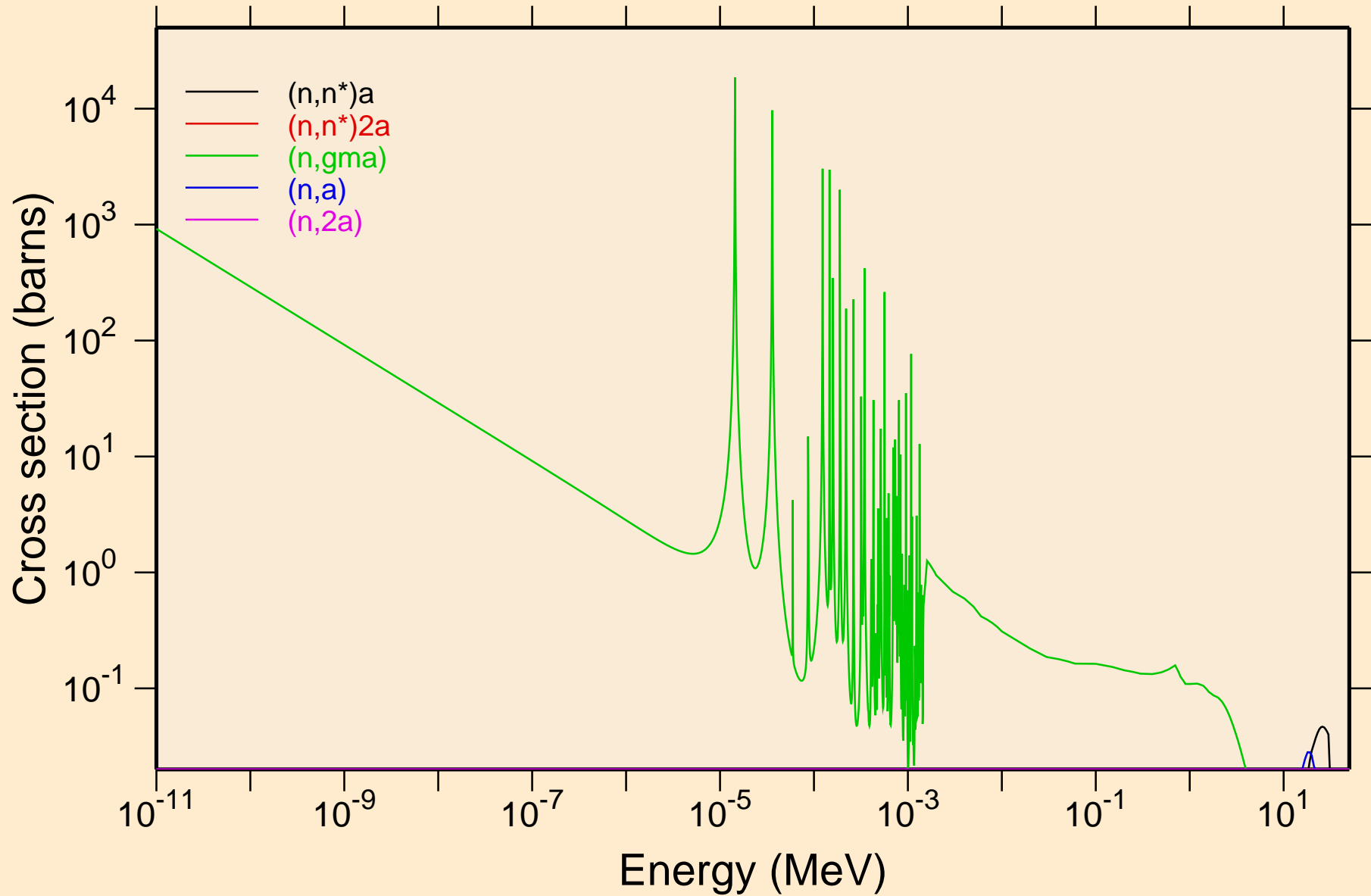
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

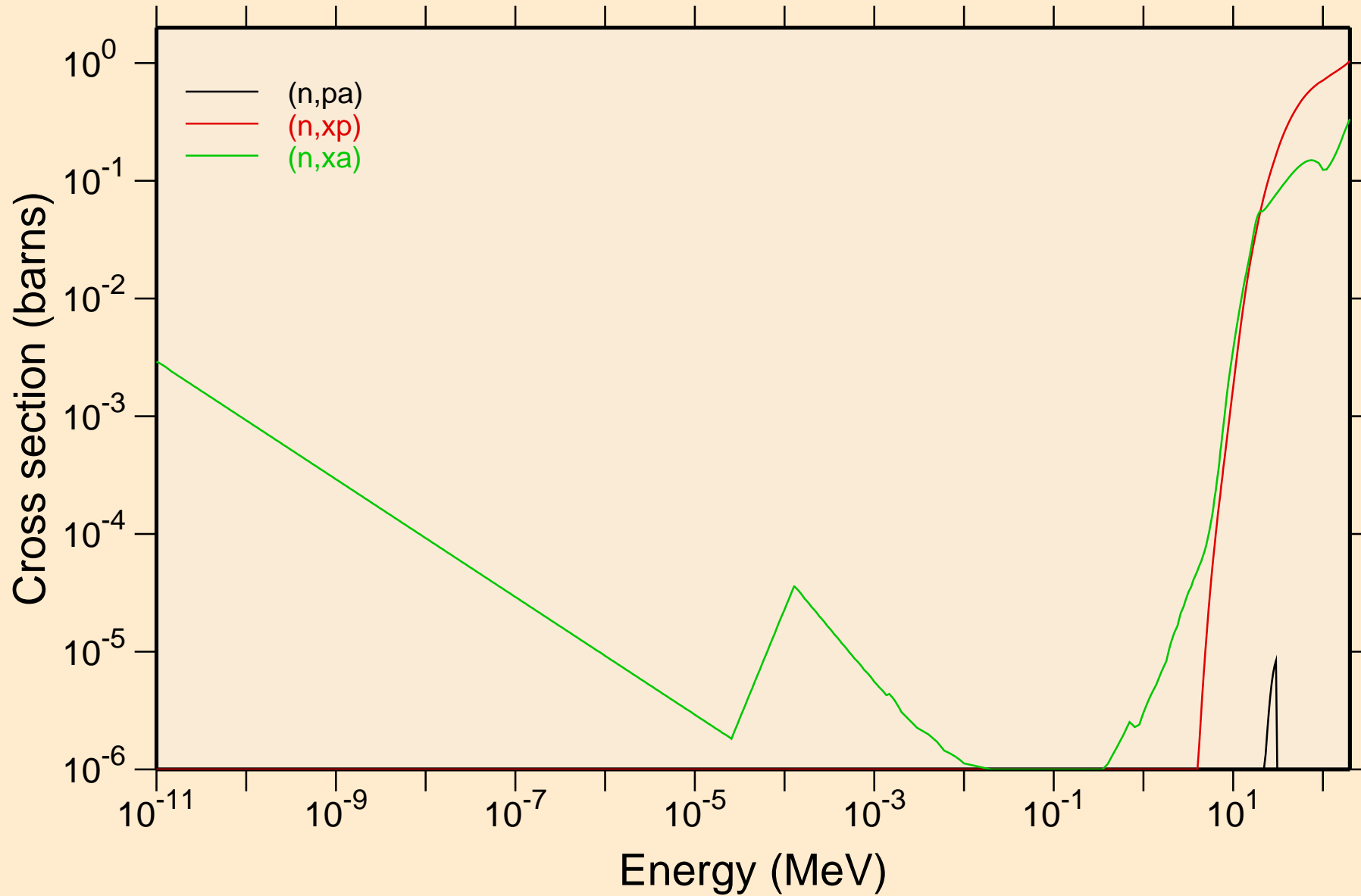


# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

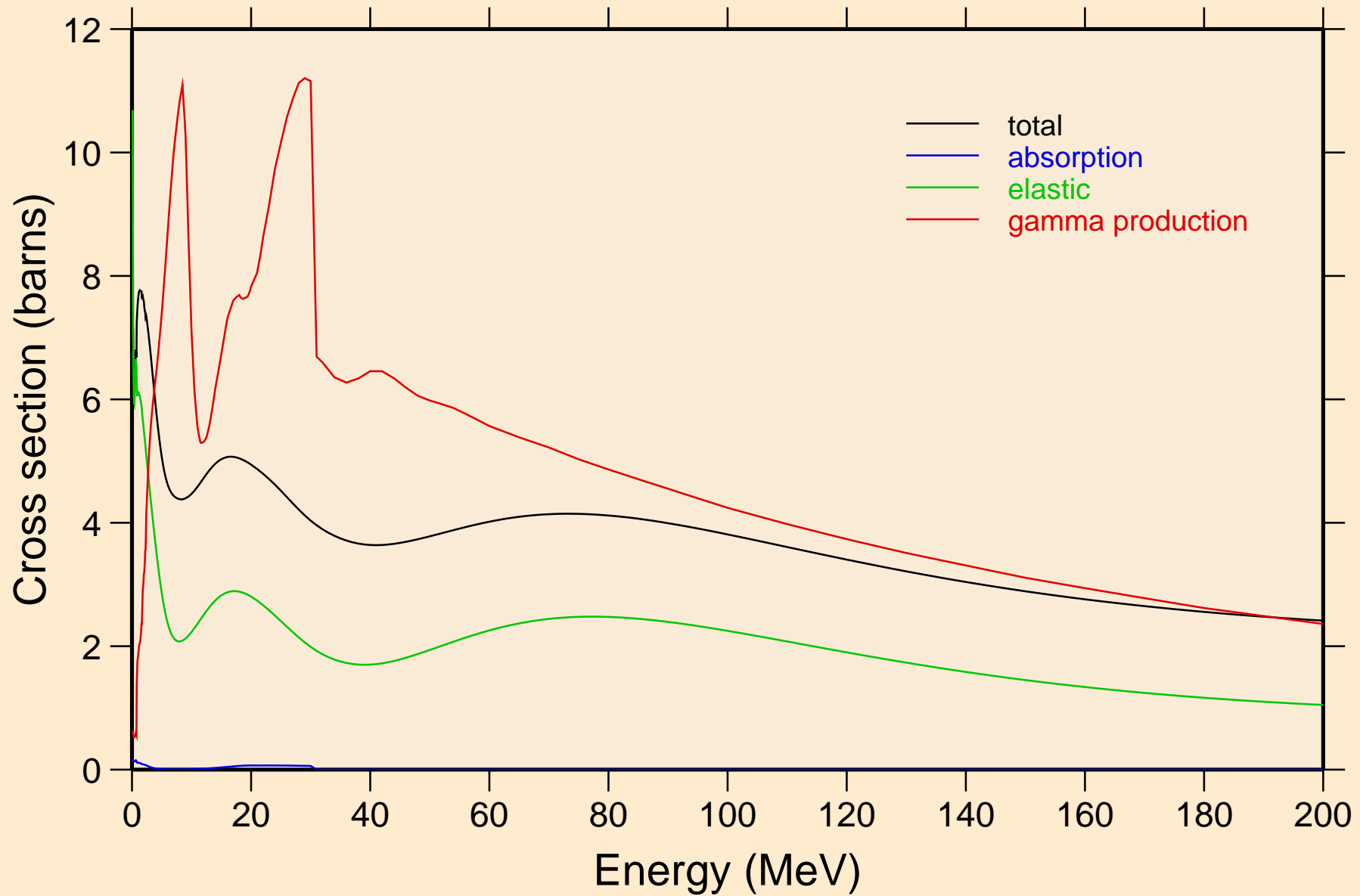


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



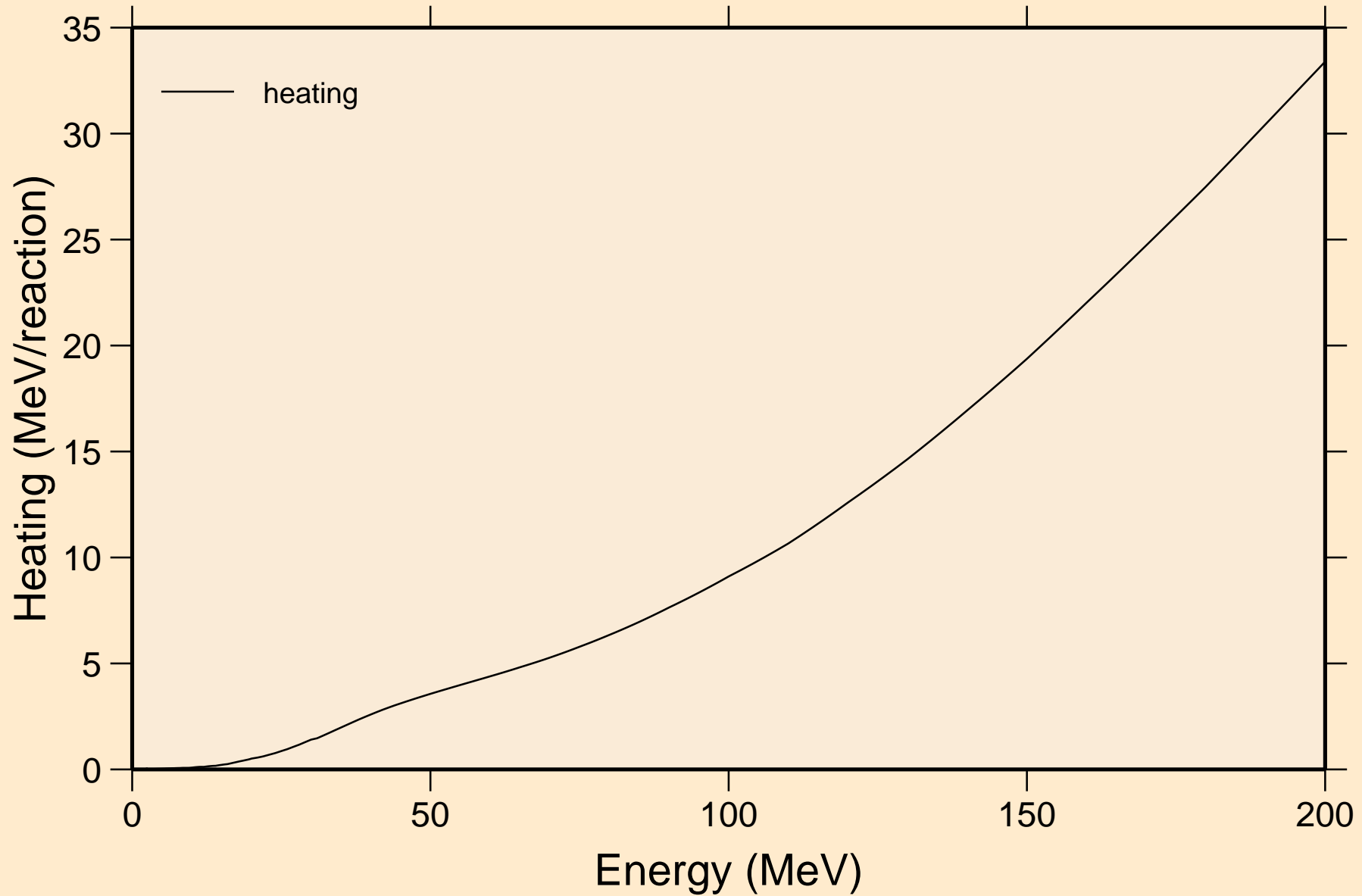
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



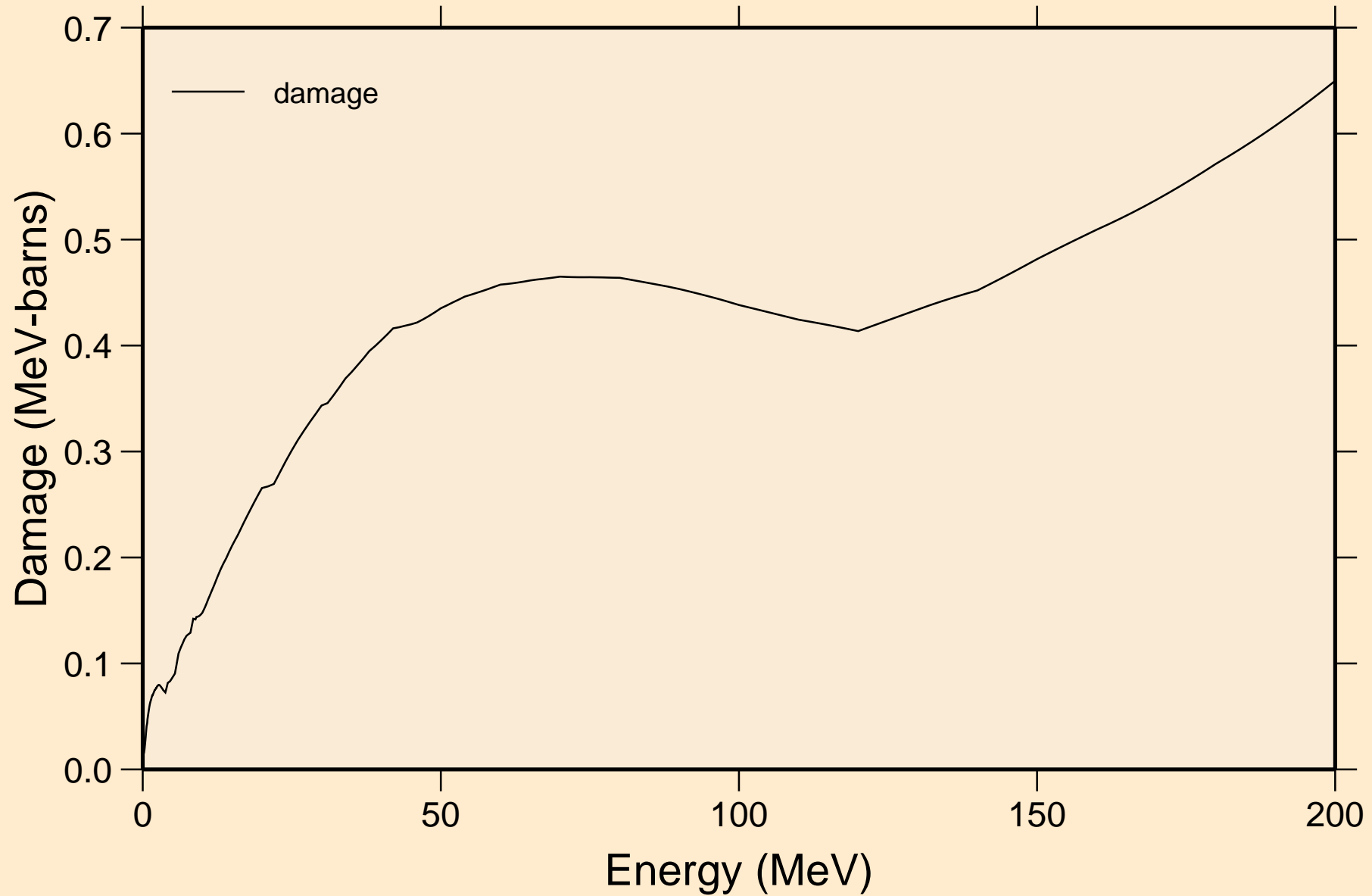
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



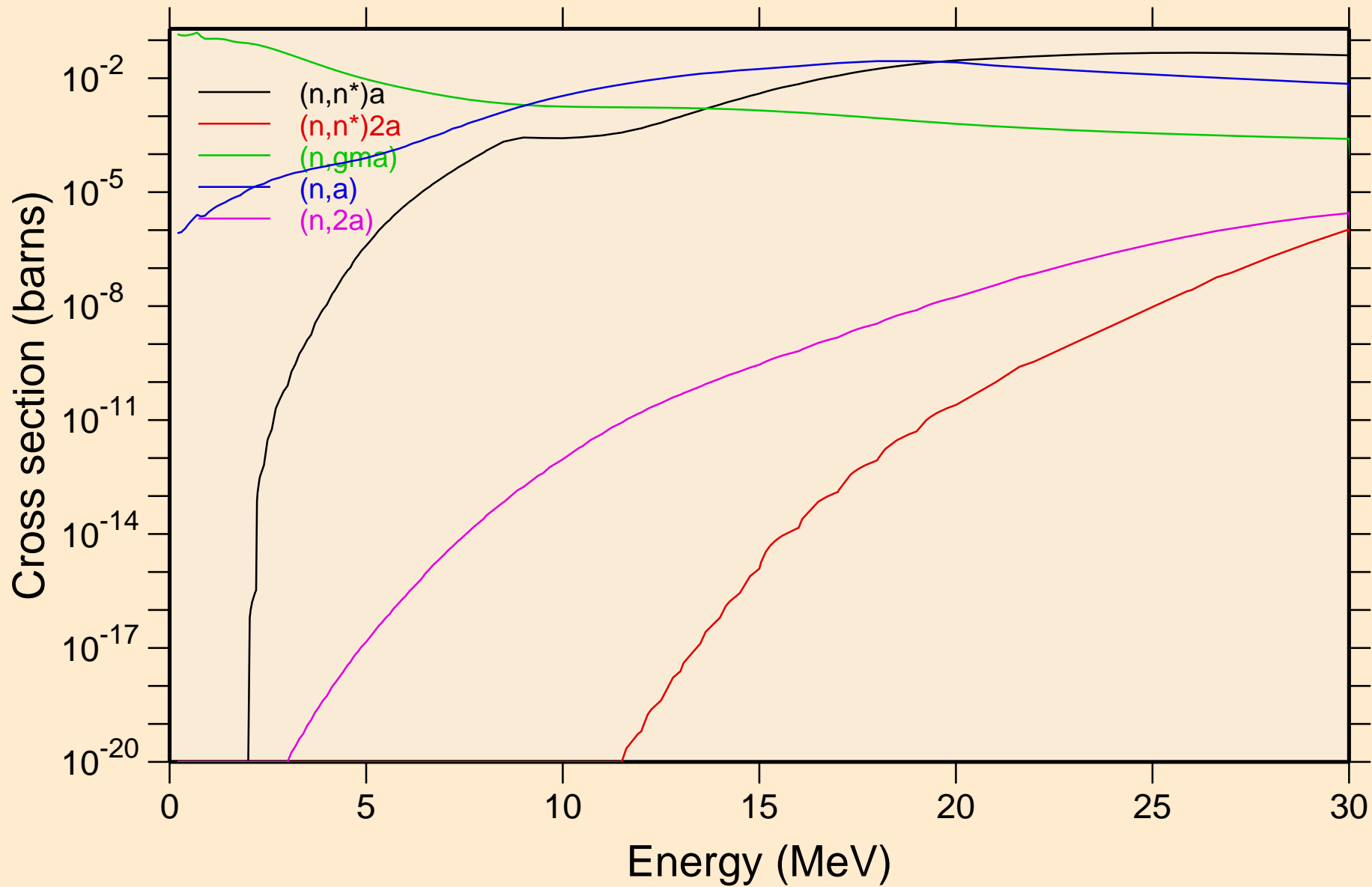
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



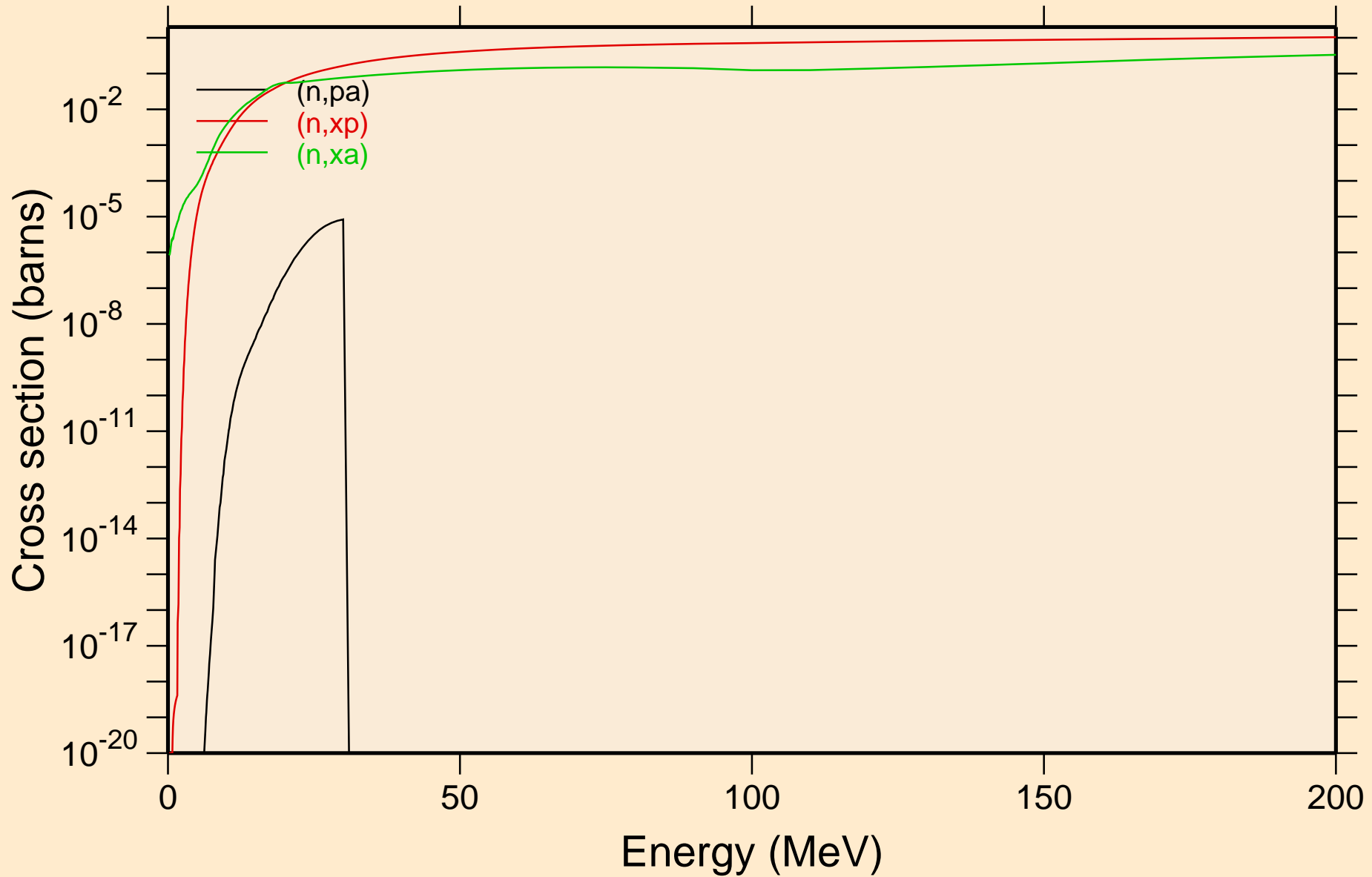


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

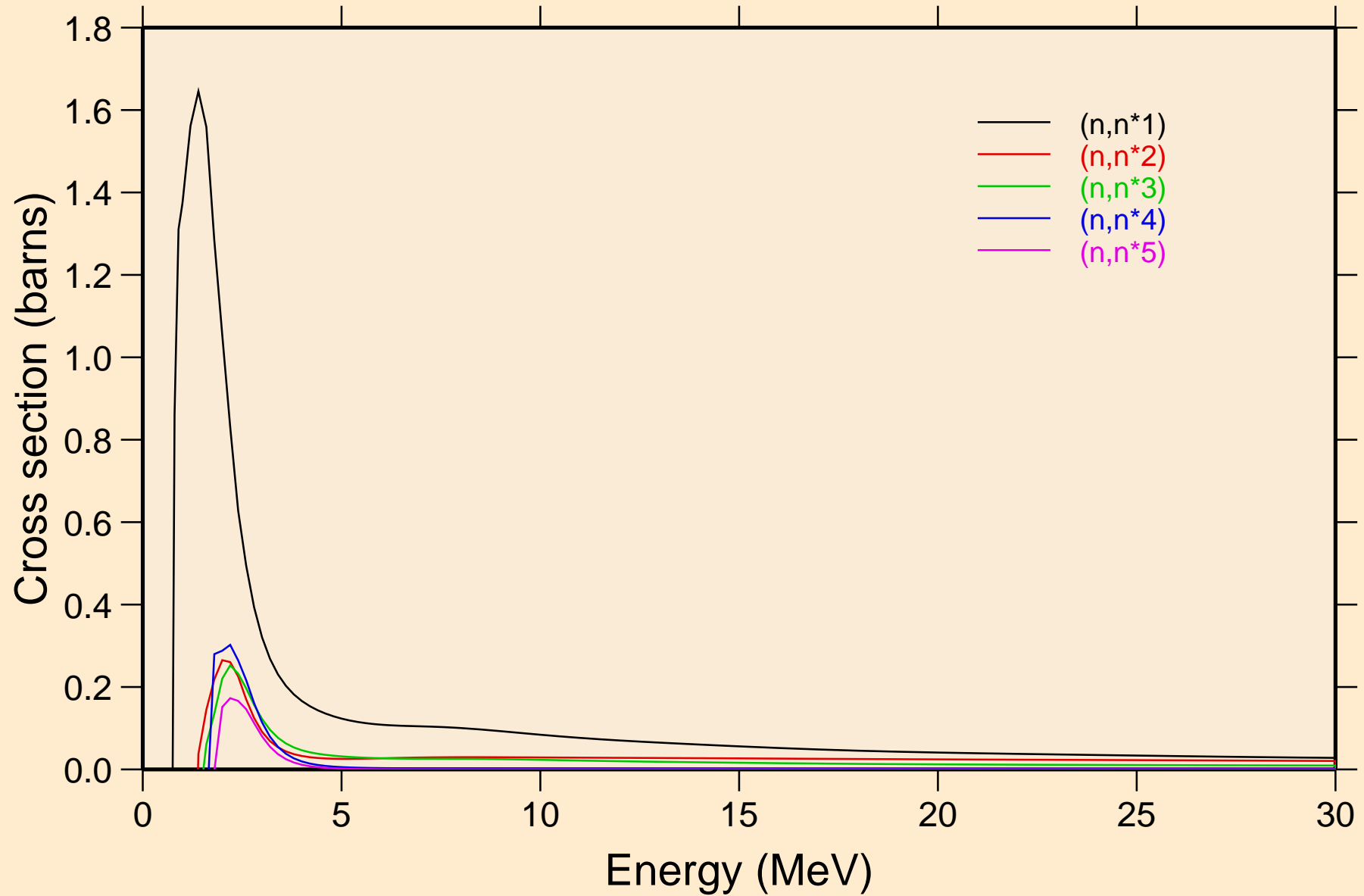


# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

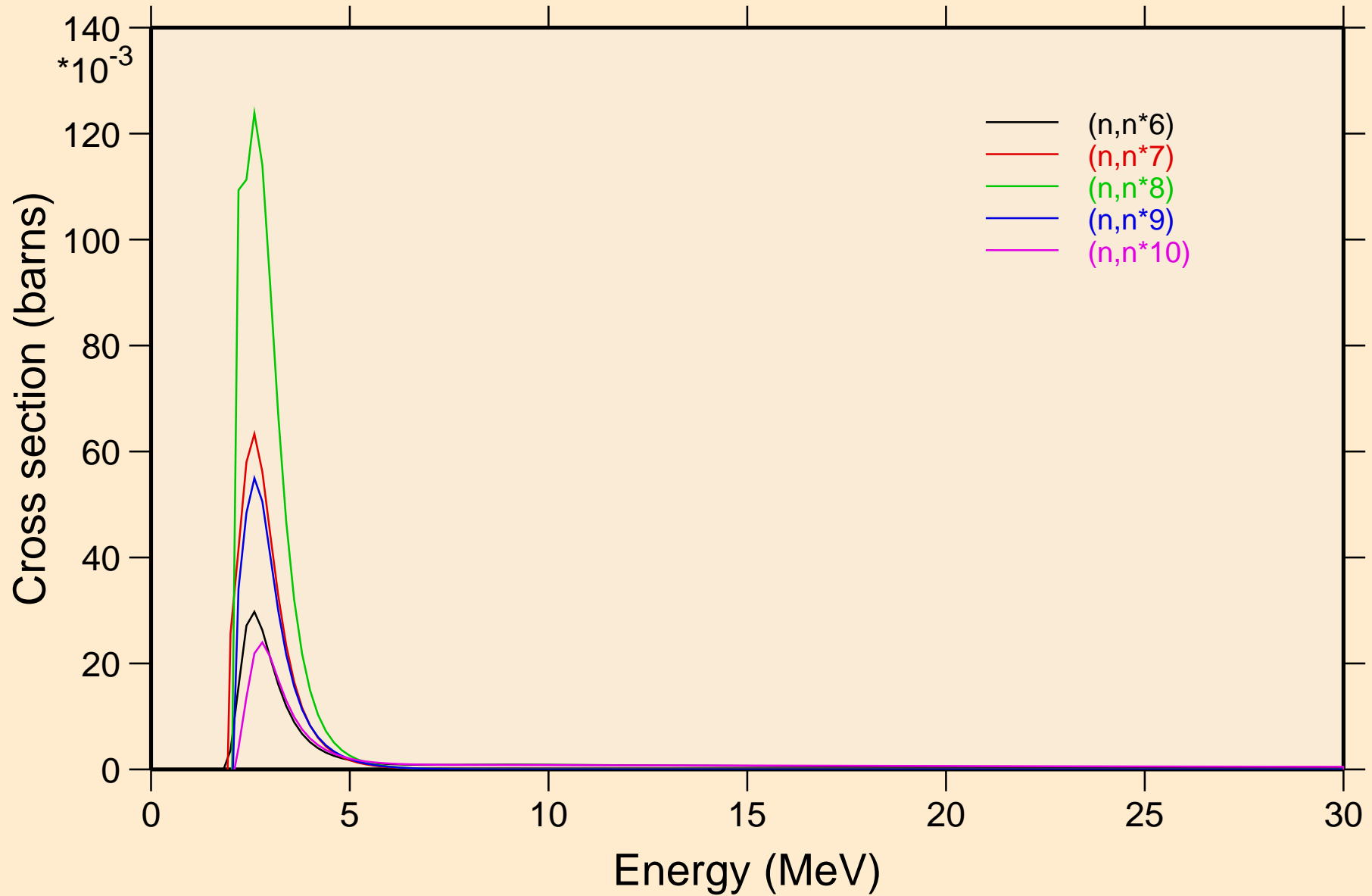
## Non-threshold reactions



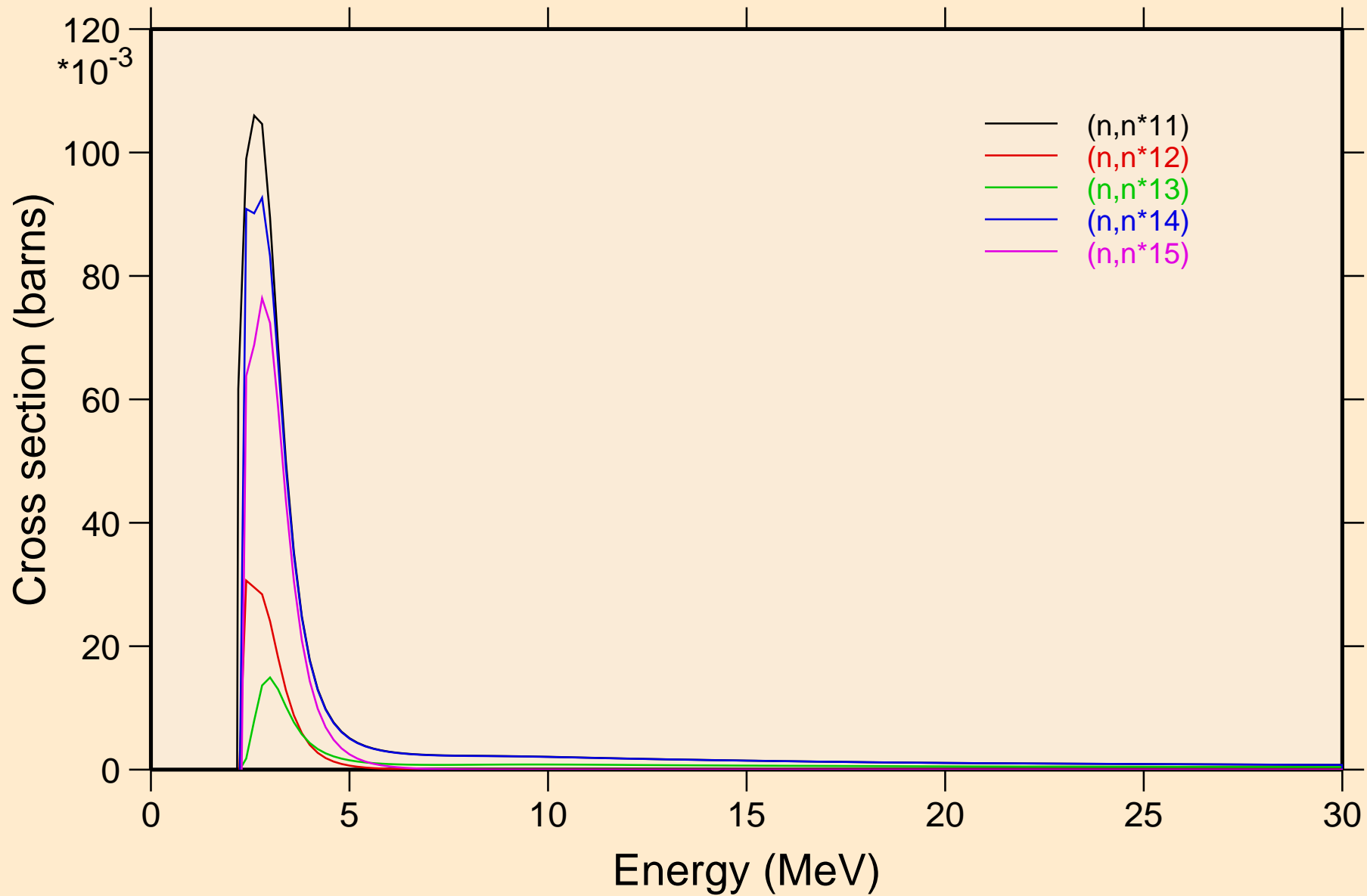
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



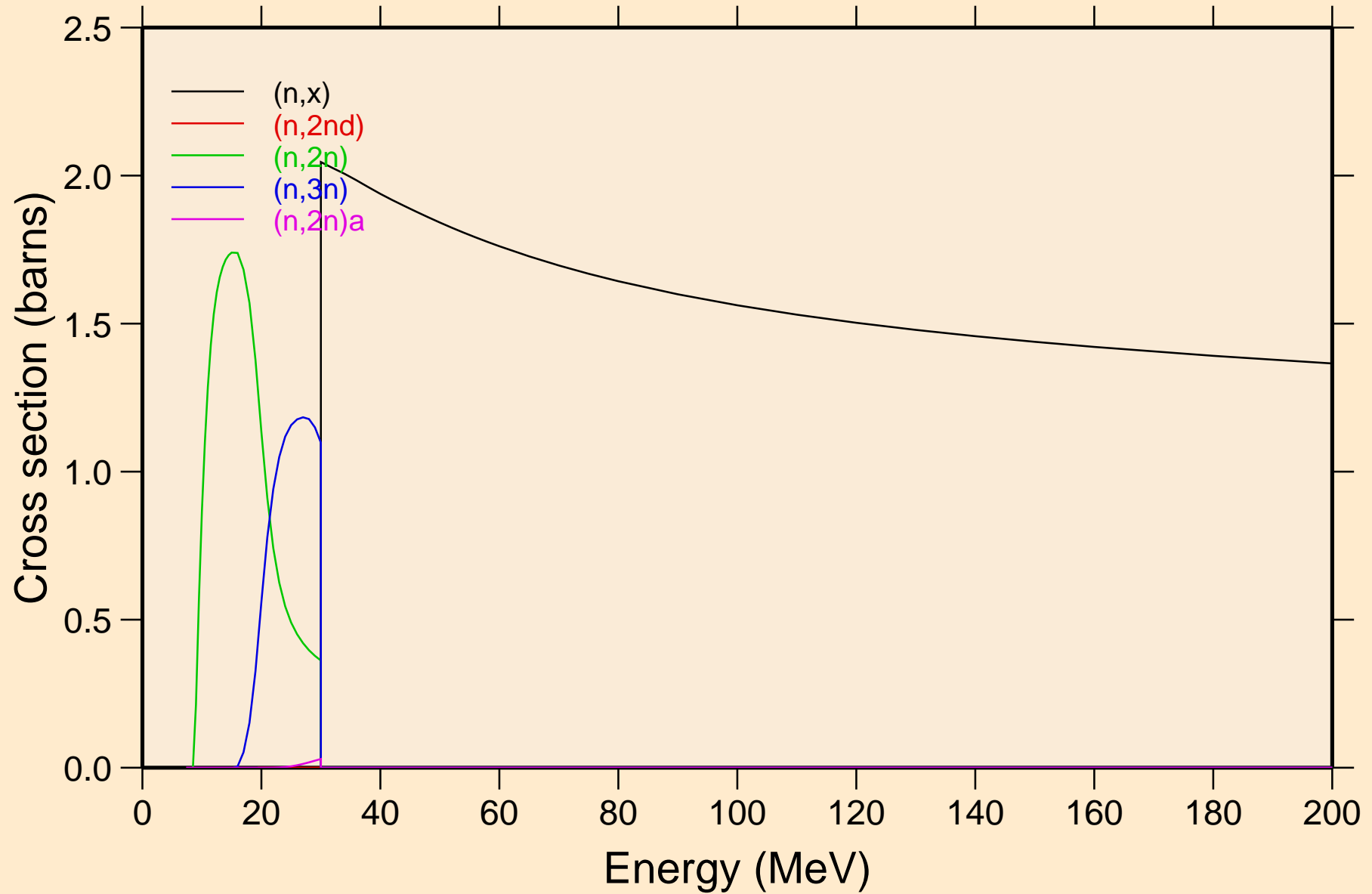
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



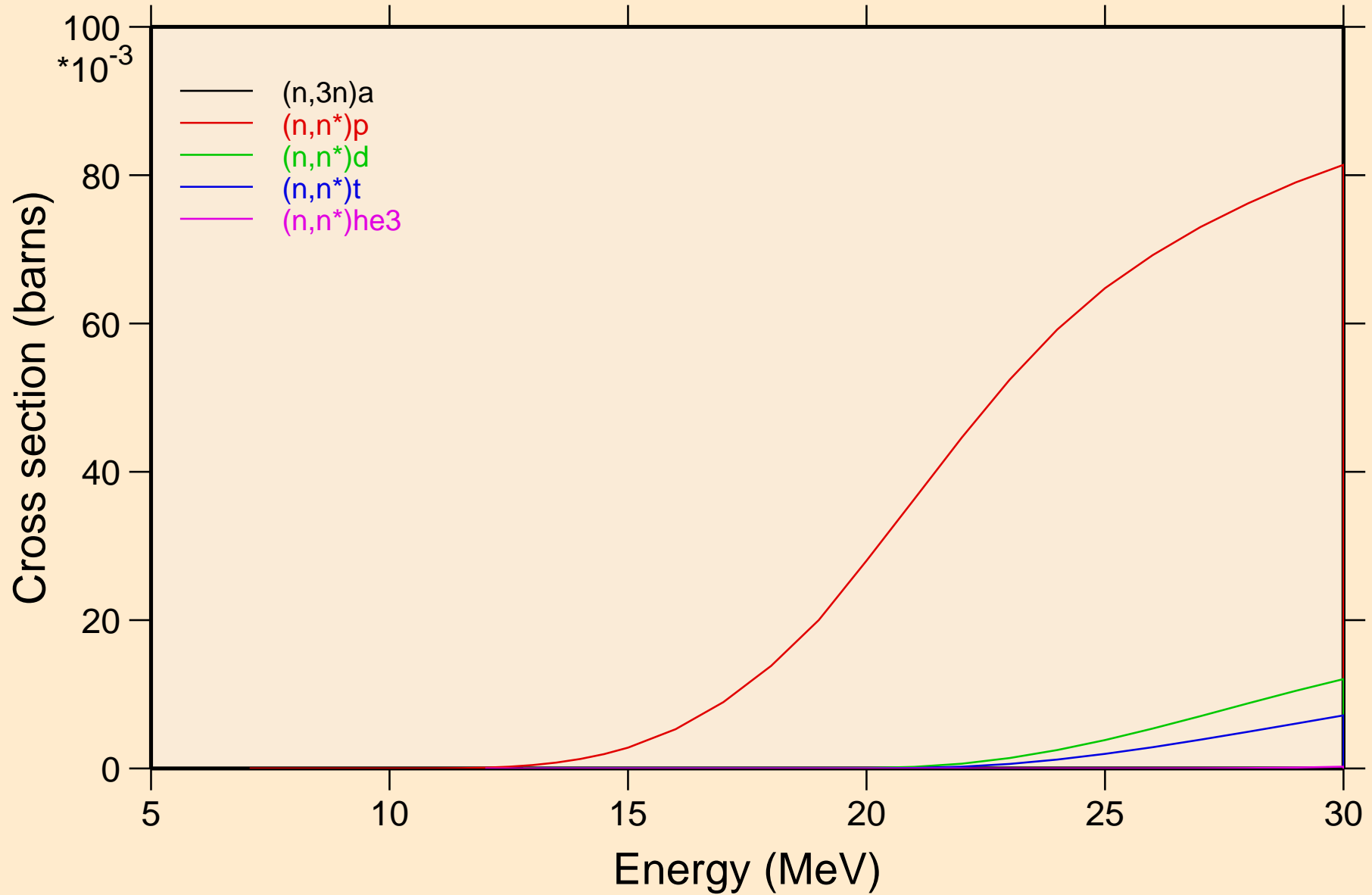
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

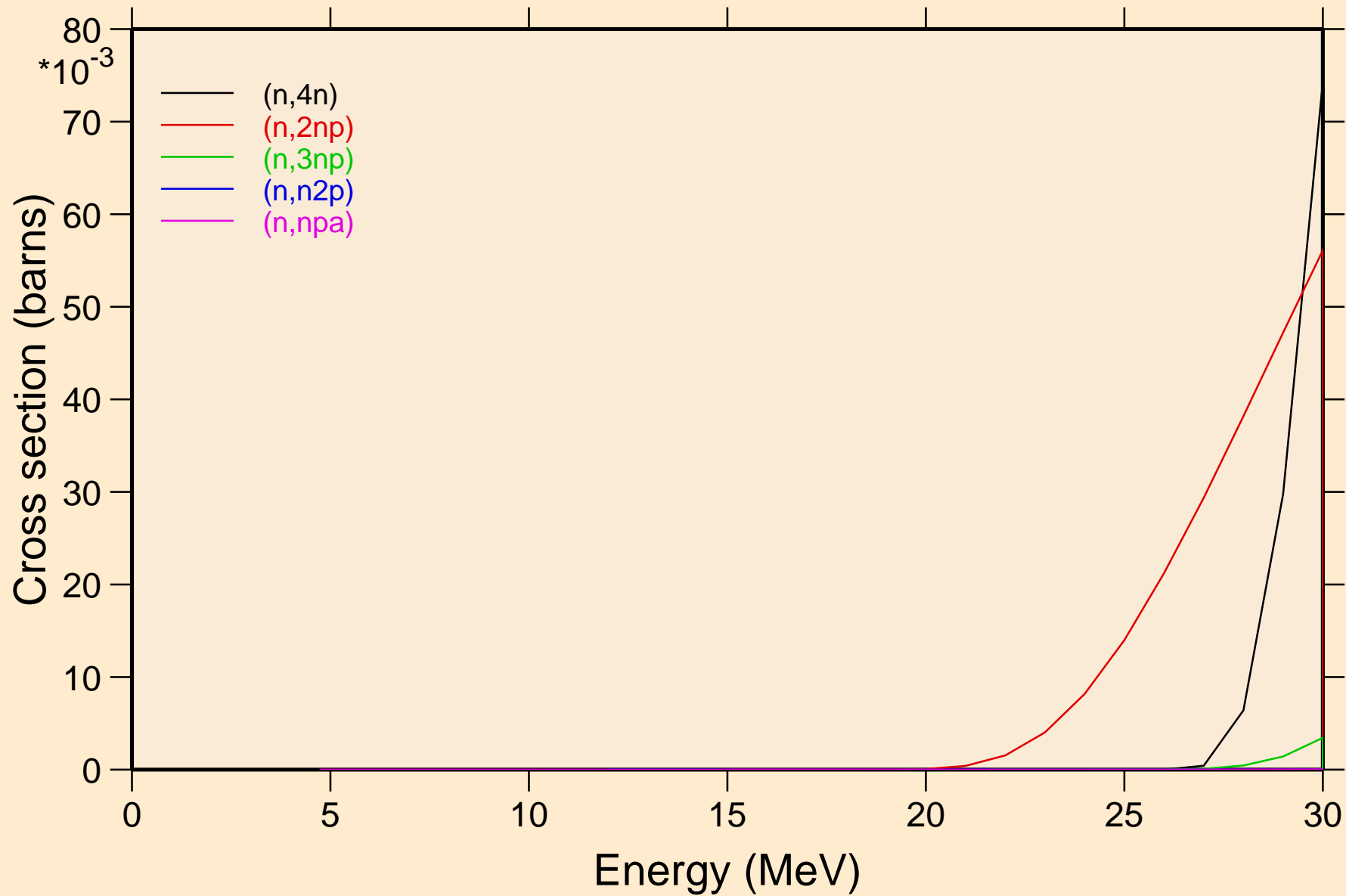


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

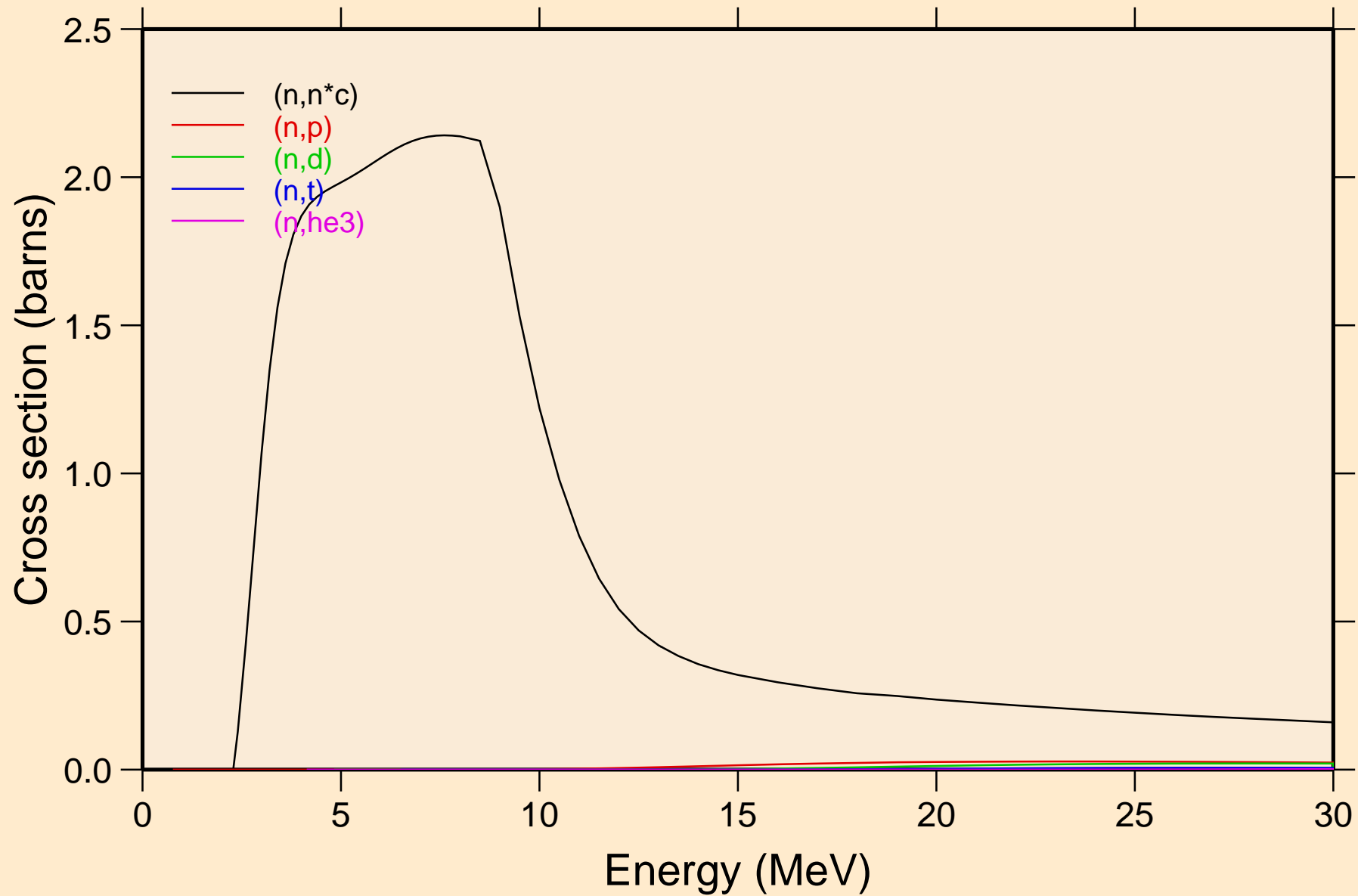
## Threshold reactions



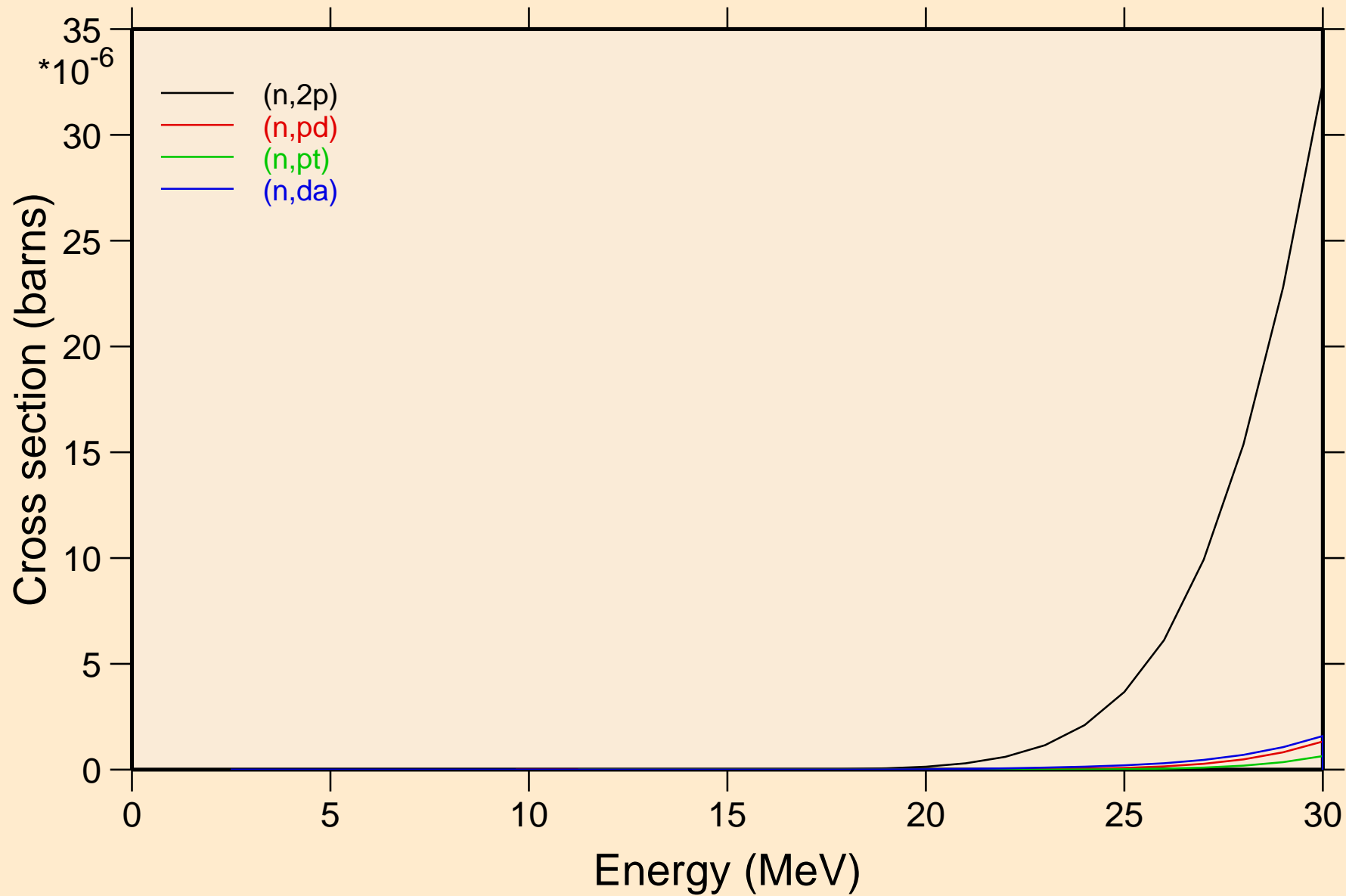


# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

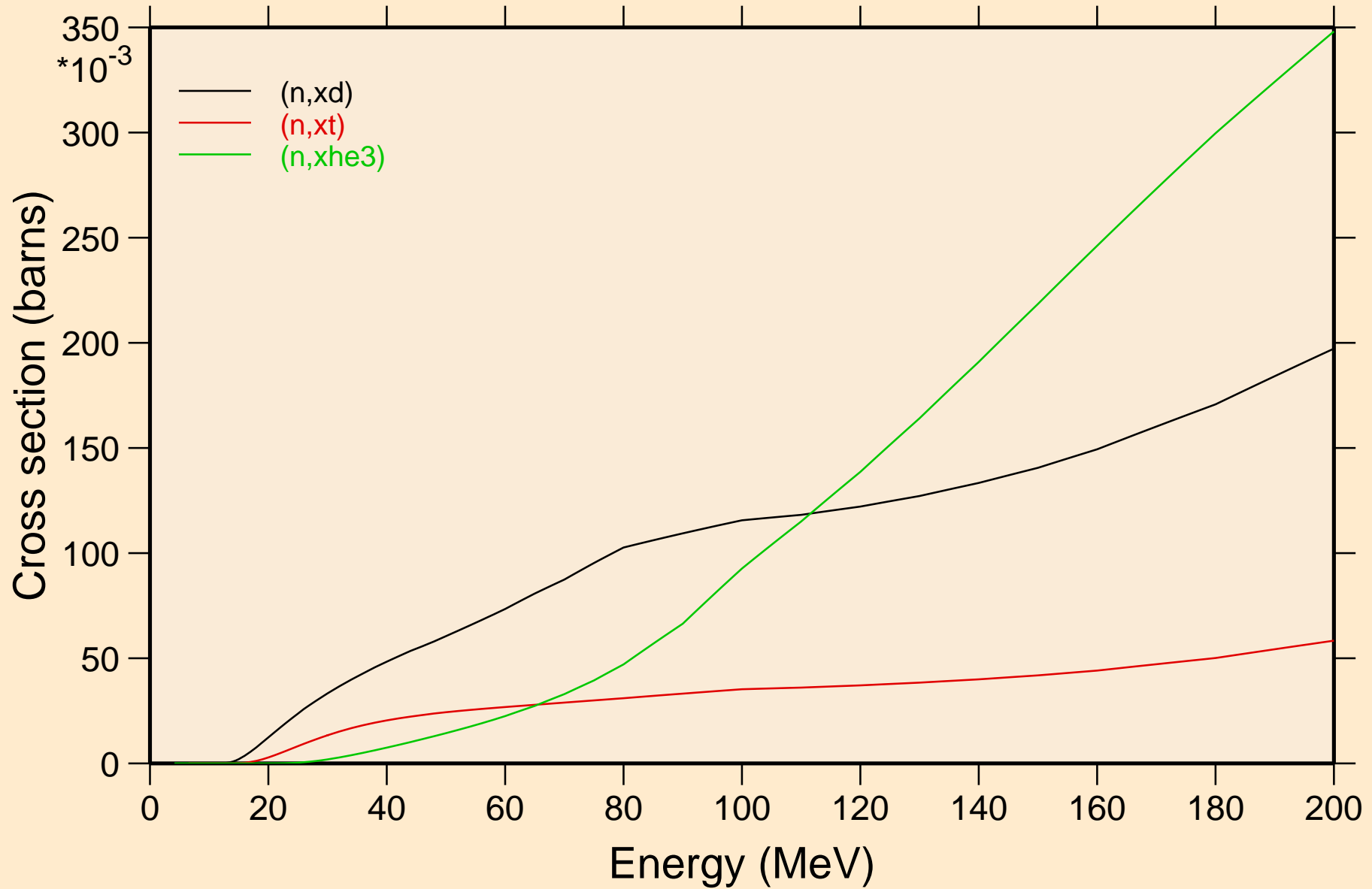


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

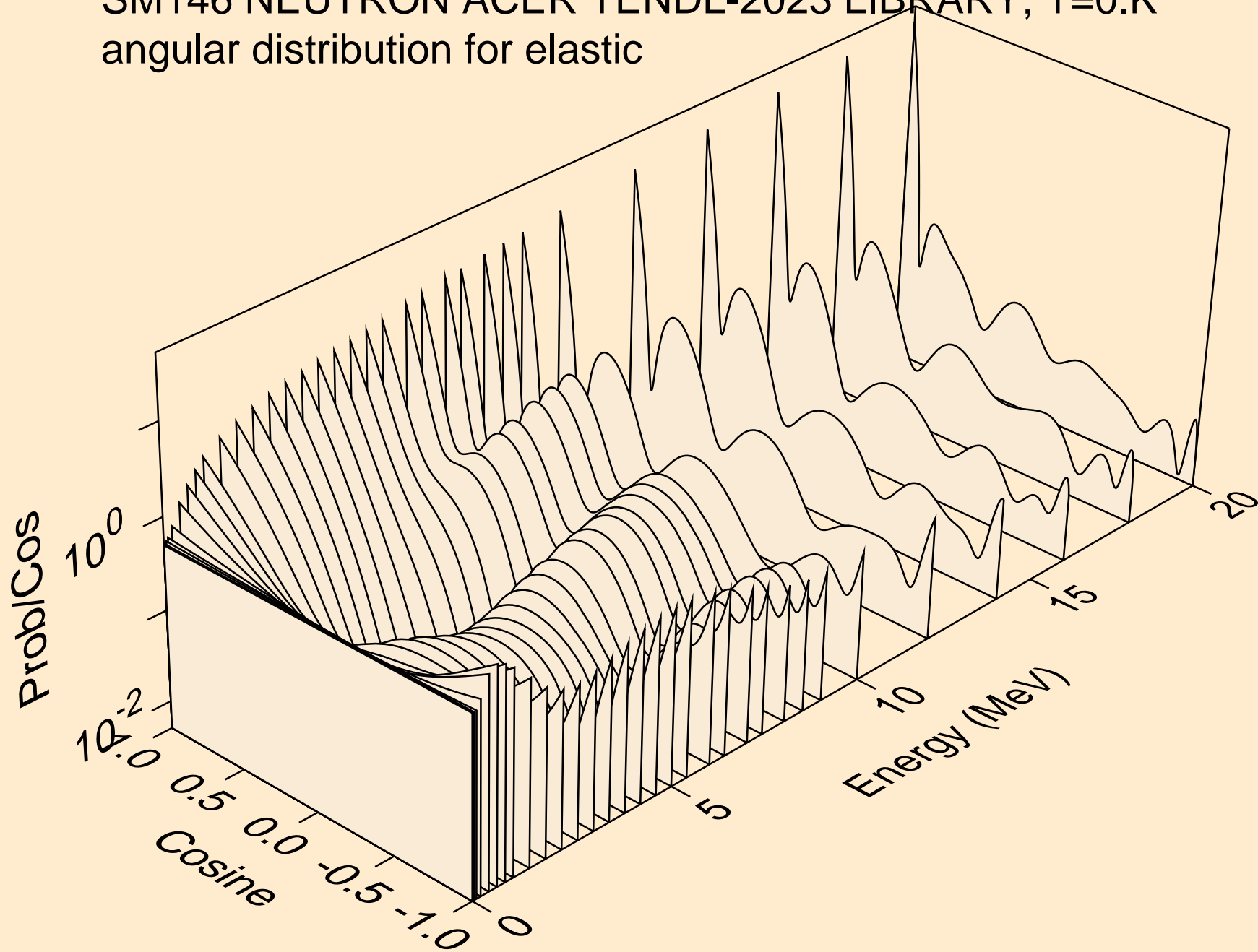


# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

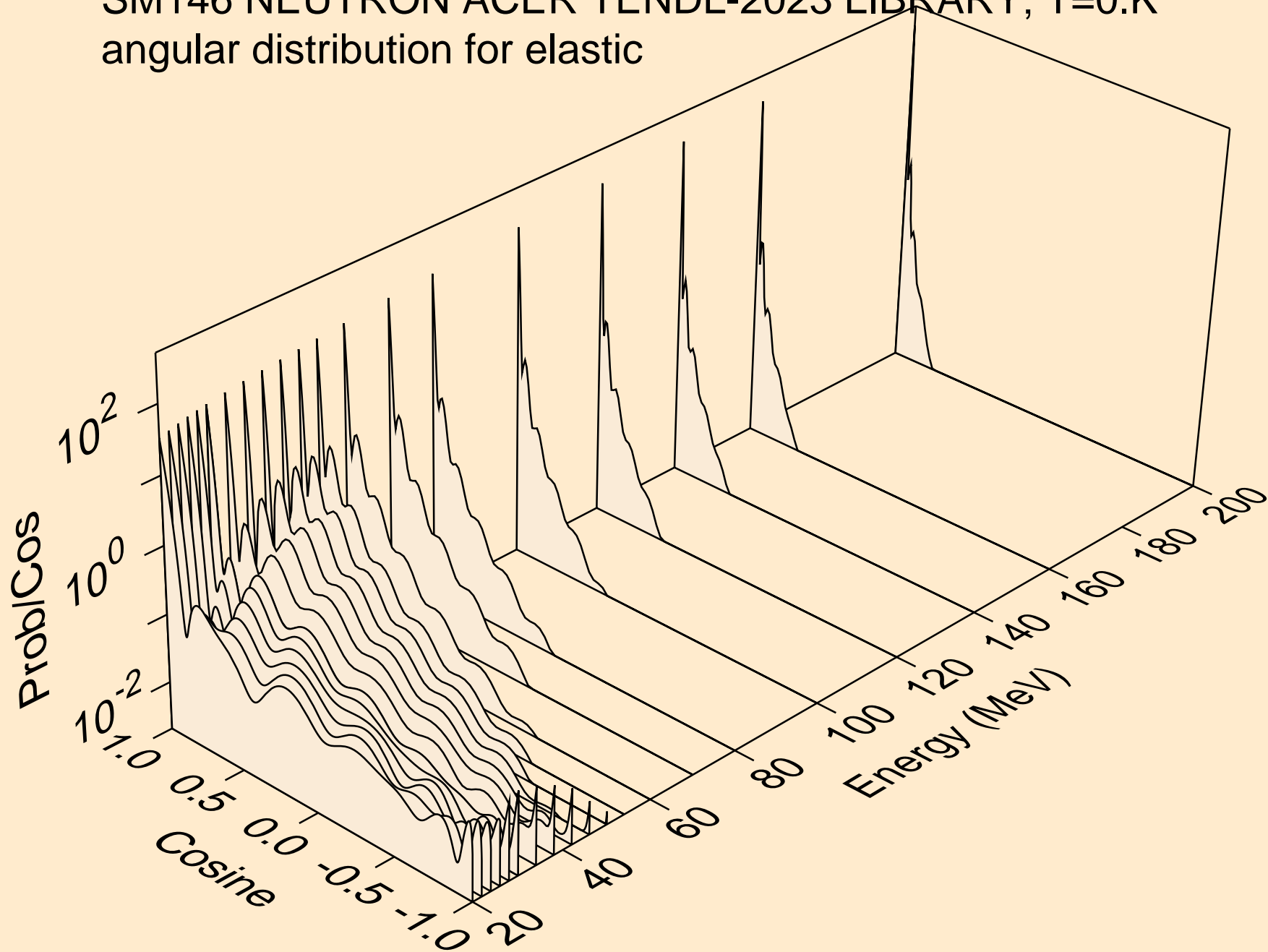
## Threshold reactions



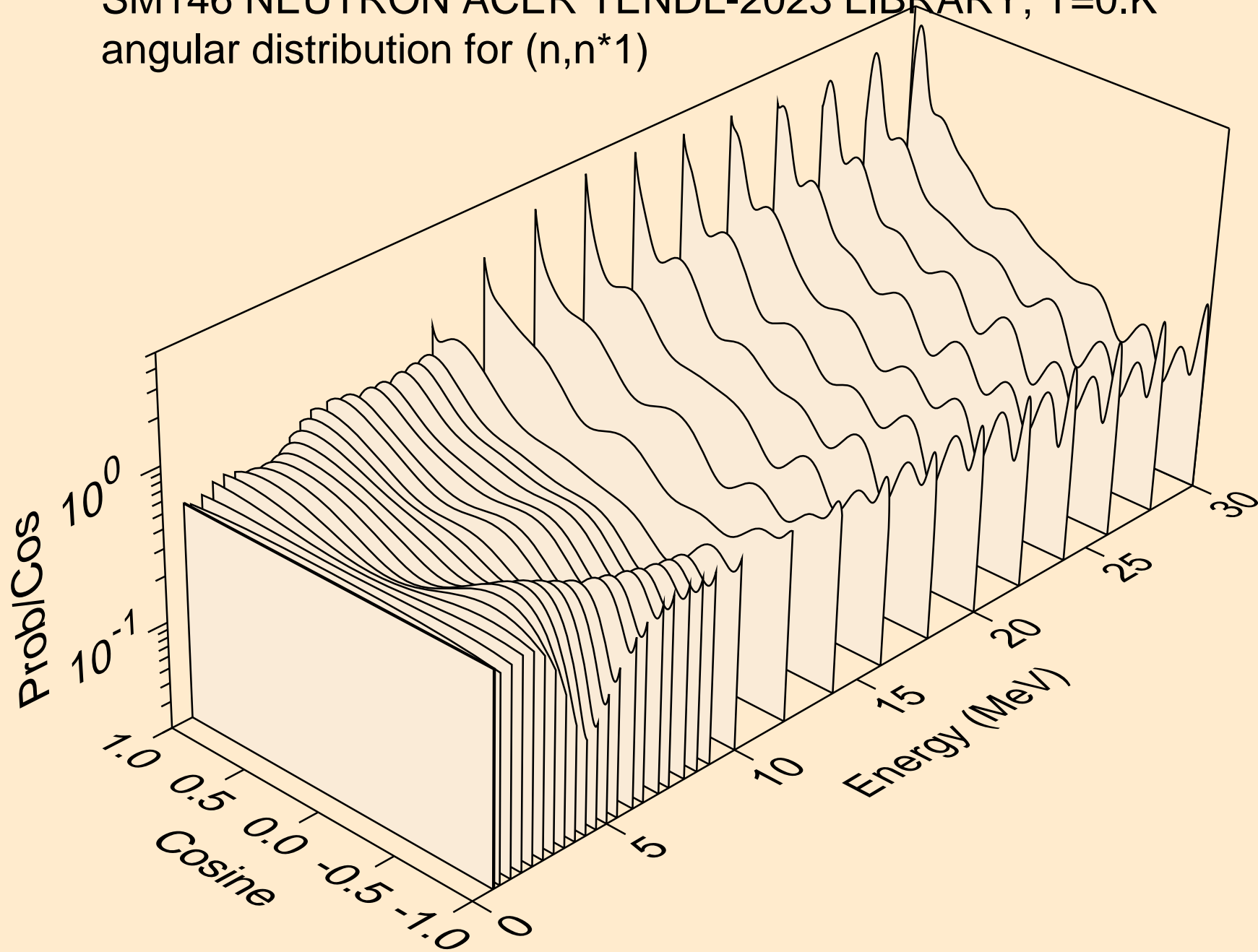
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



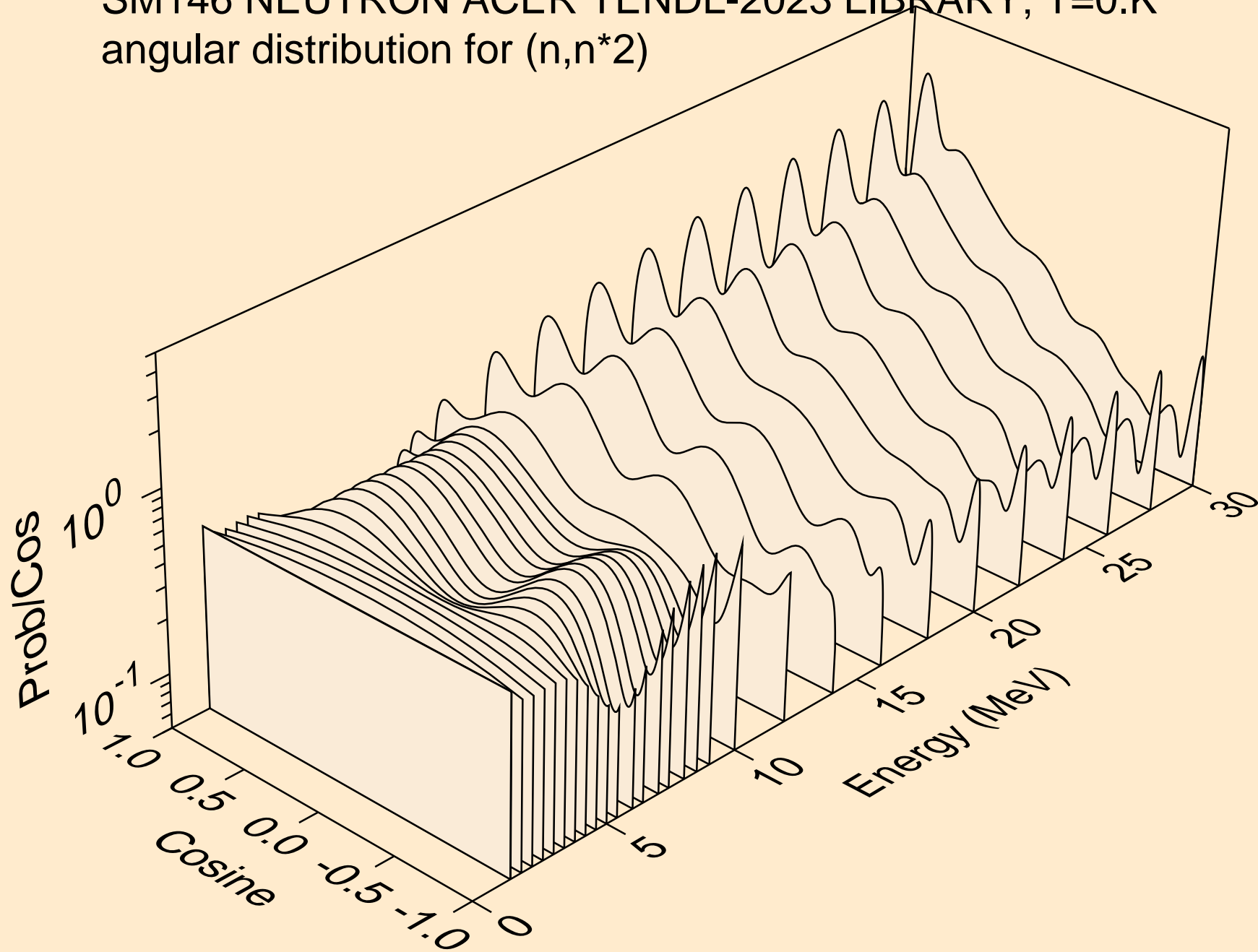
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angular distribution for elastic



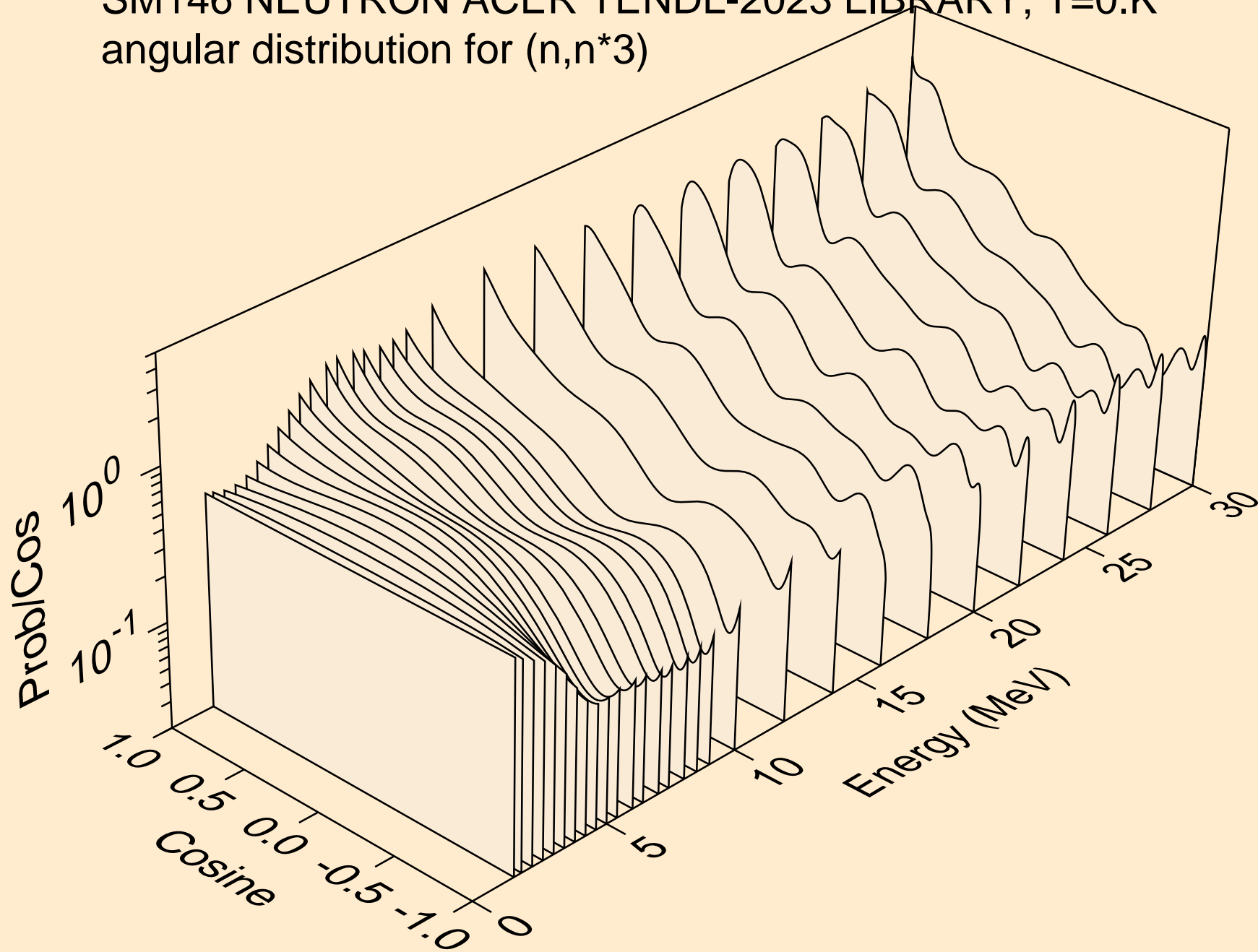
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

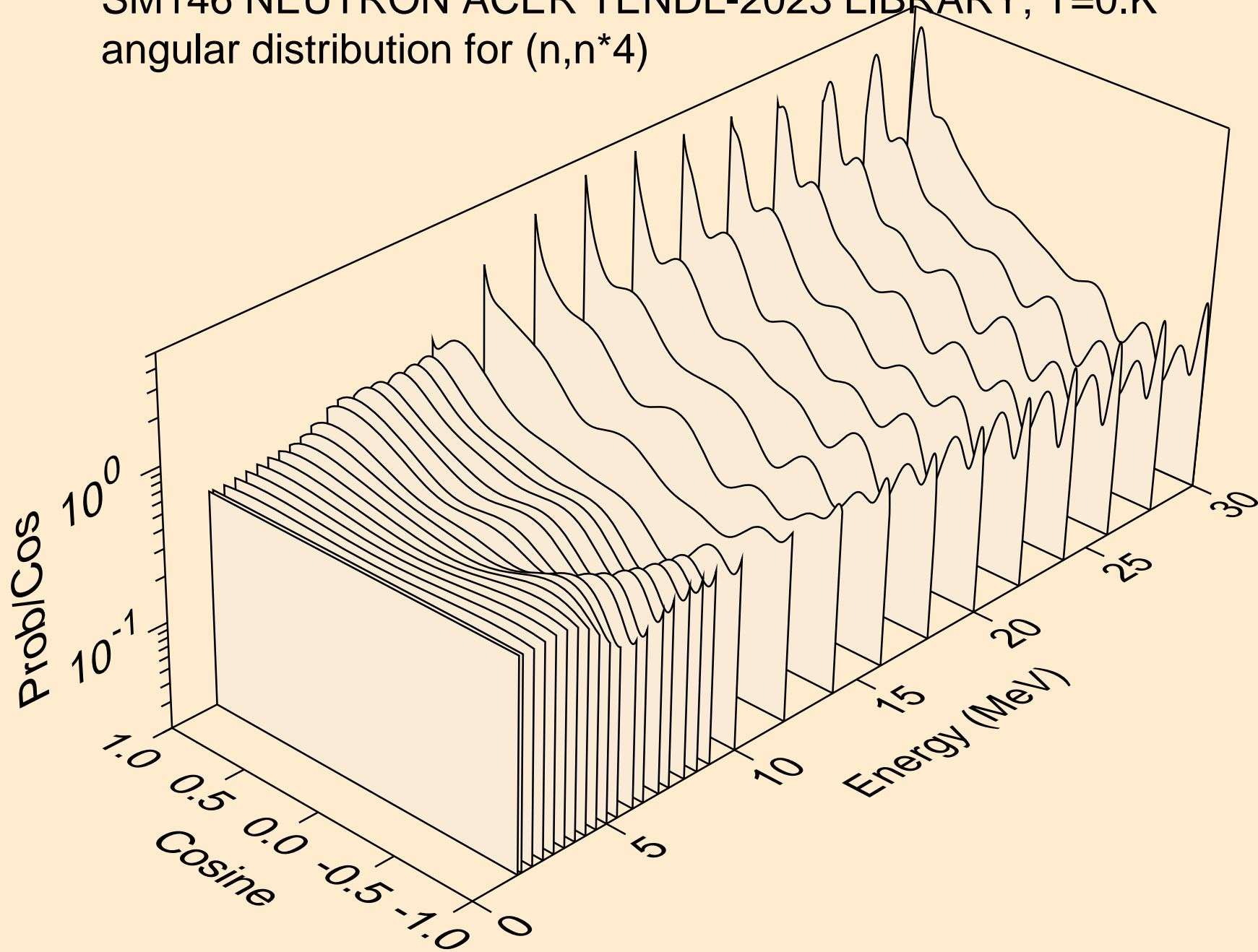


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

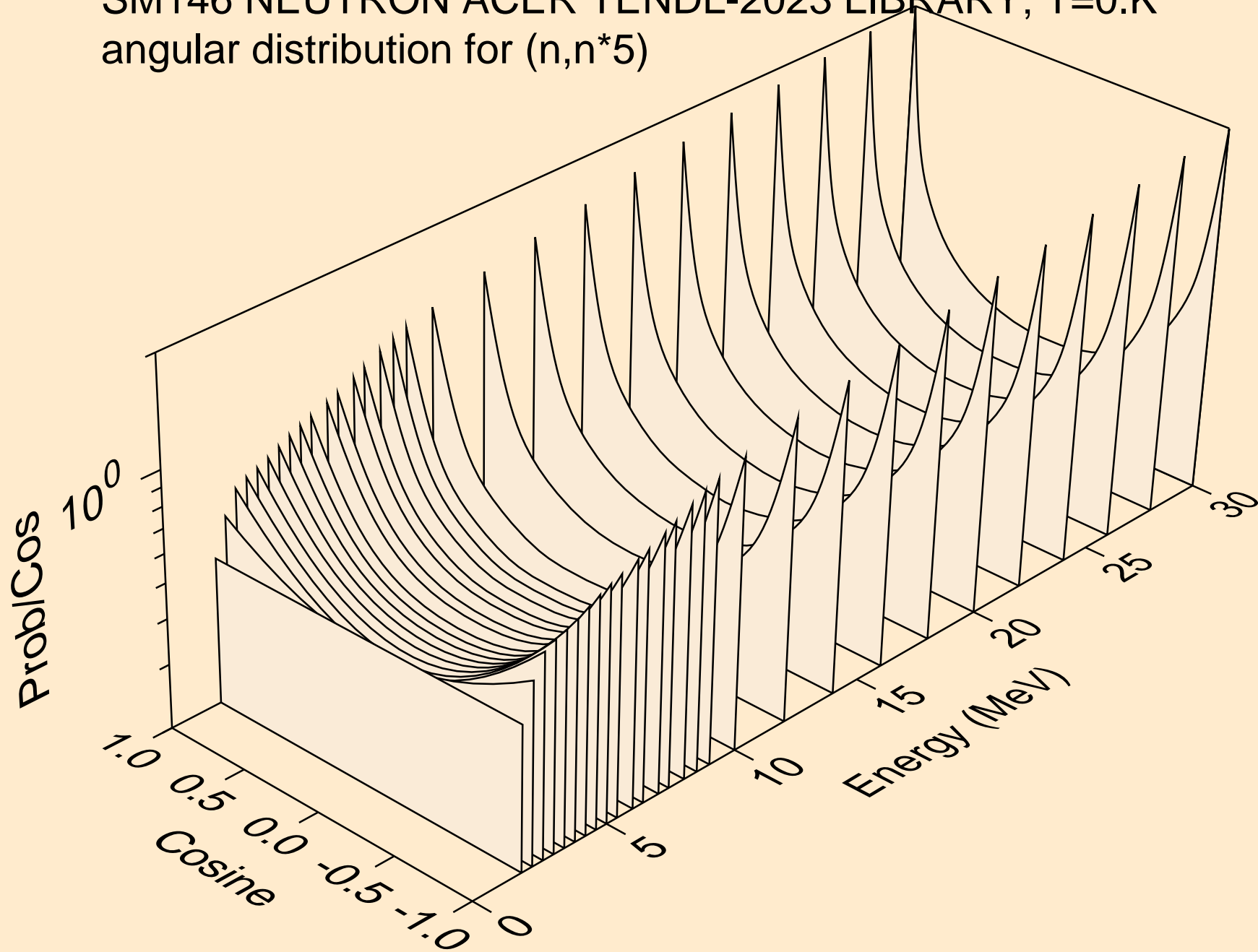




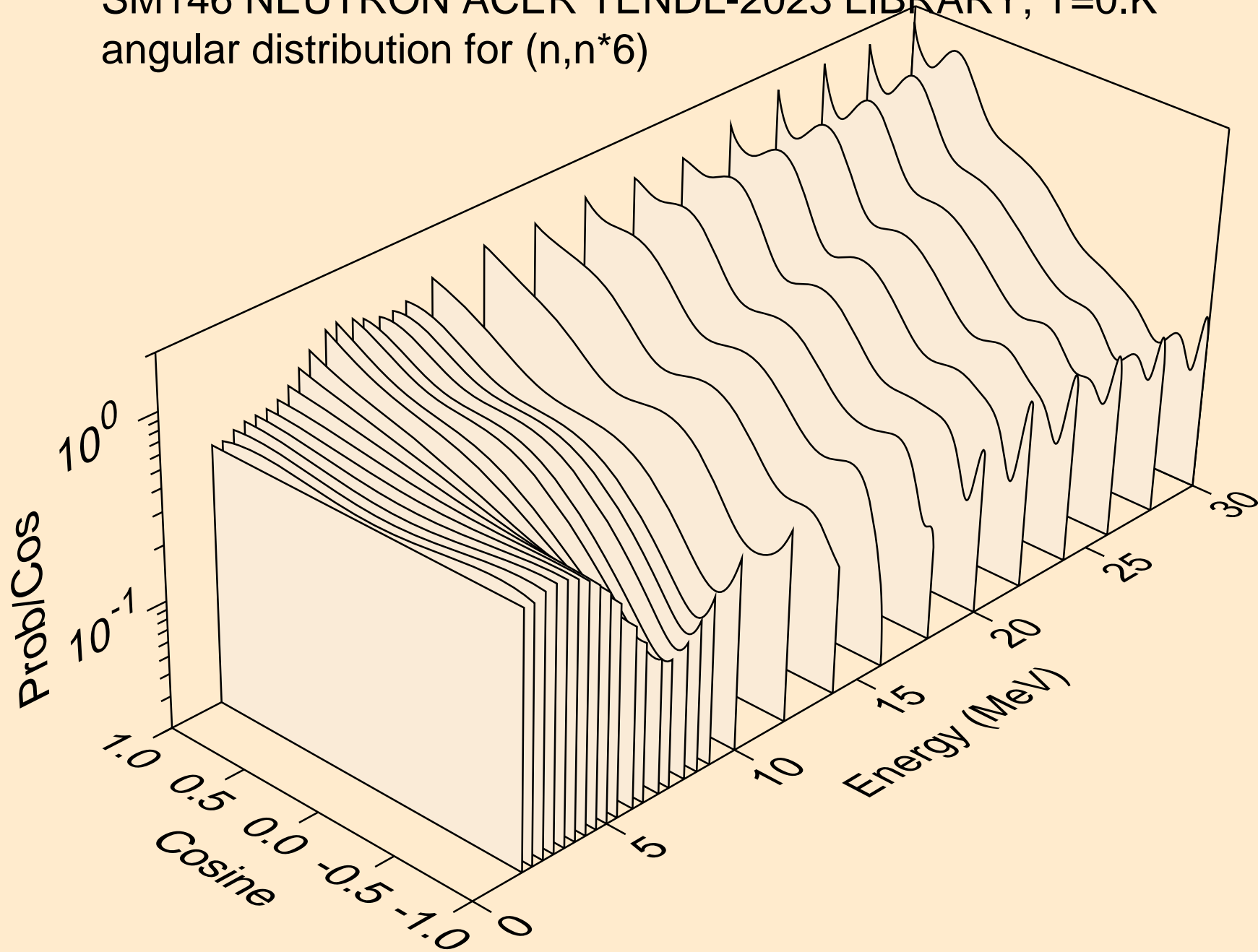
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angular distribution for (n,n\*4)



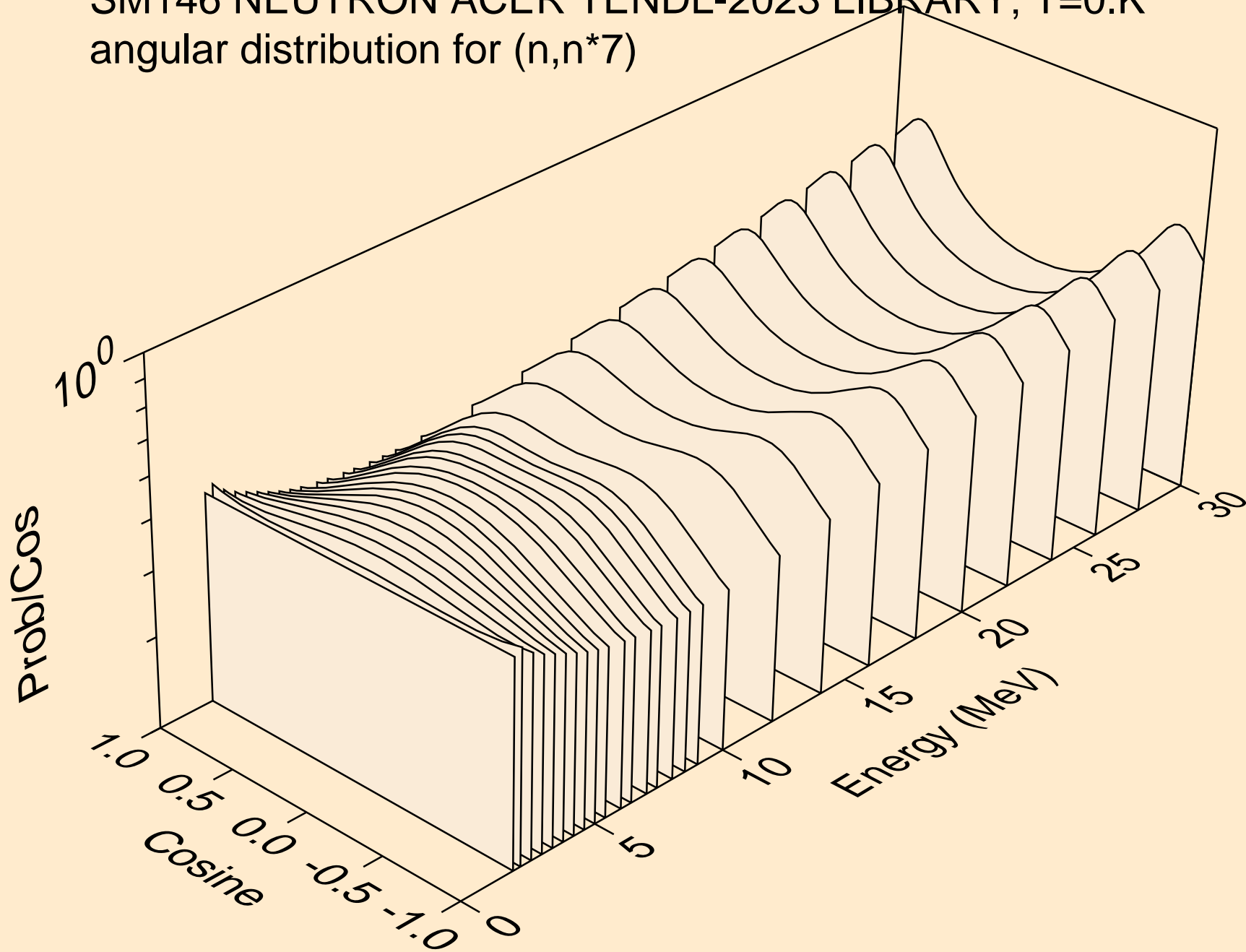
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



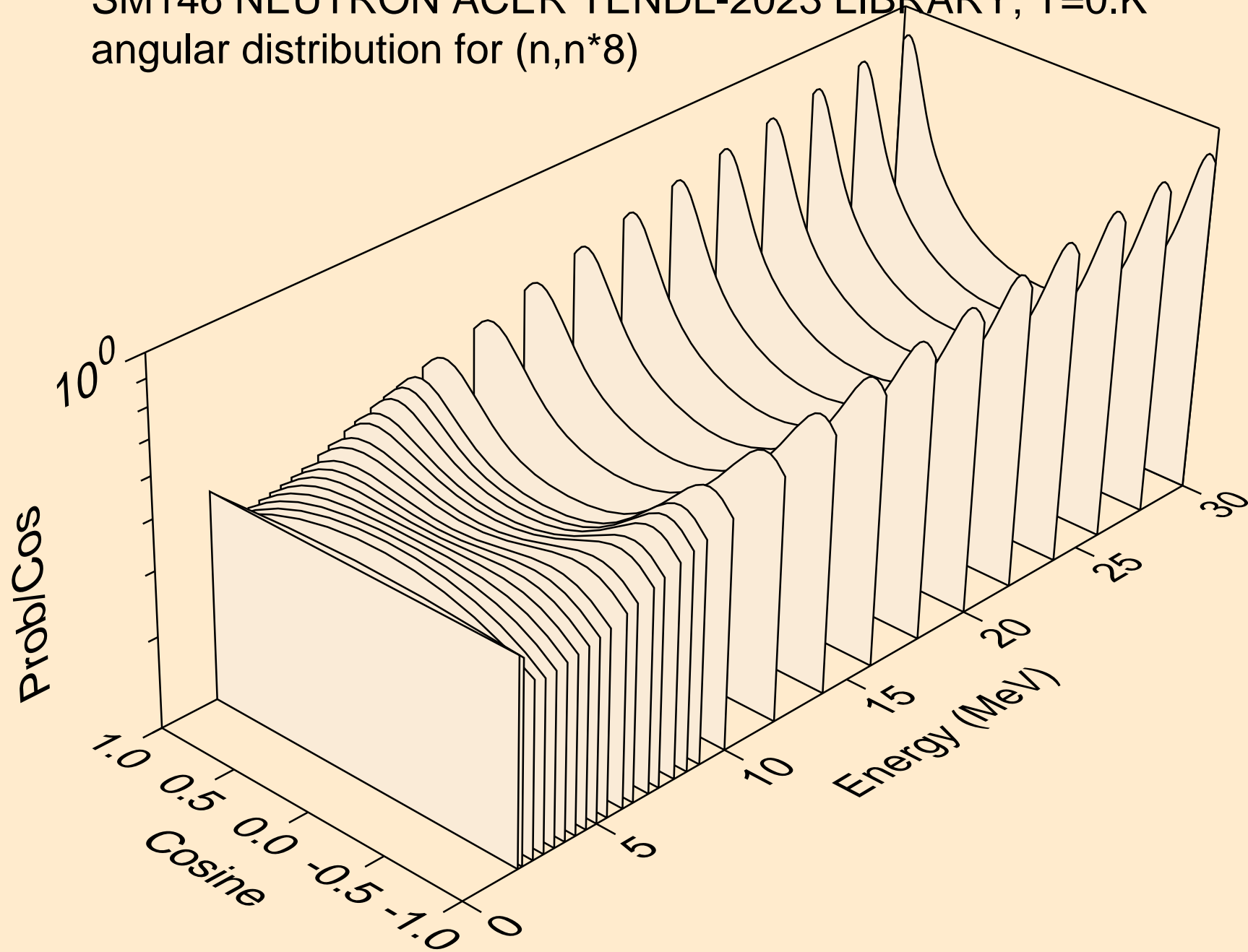
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angular distribution for (n,n\*6)



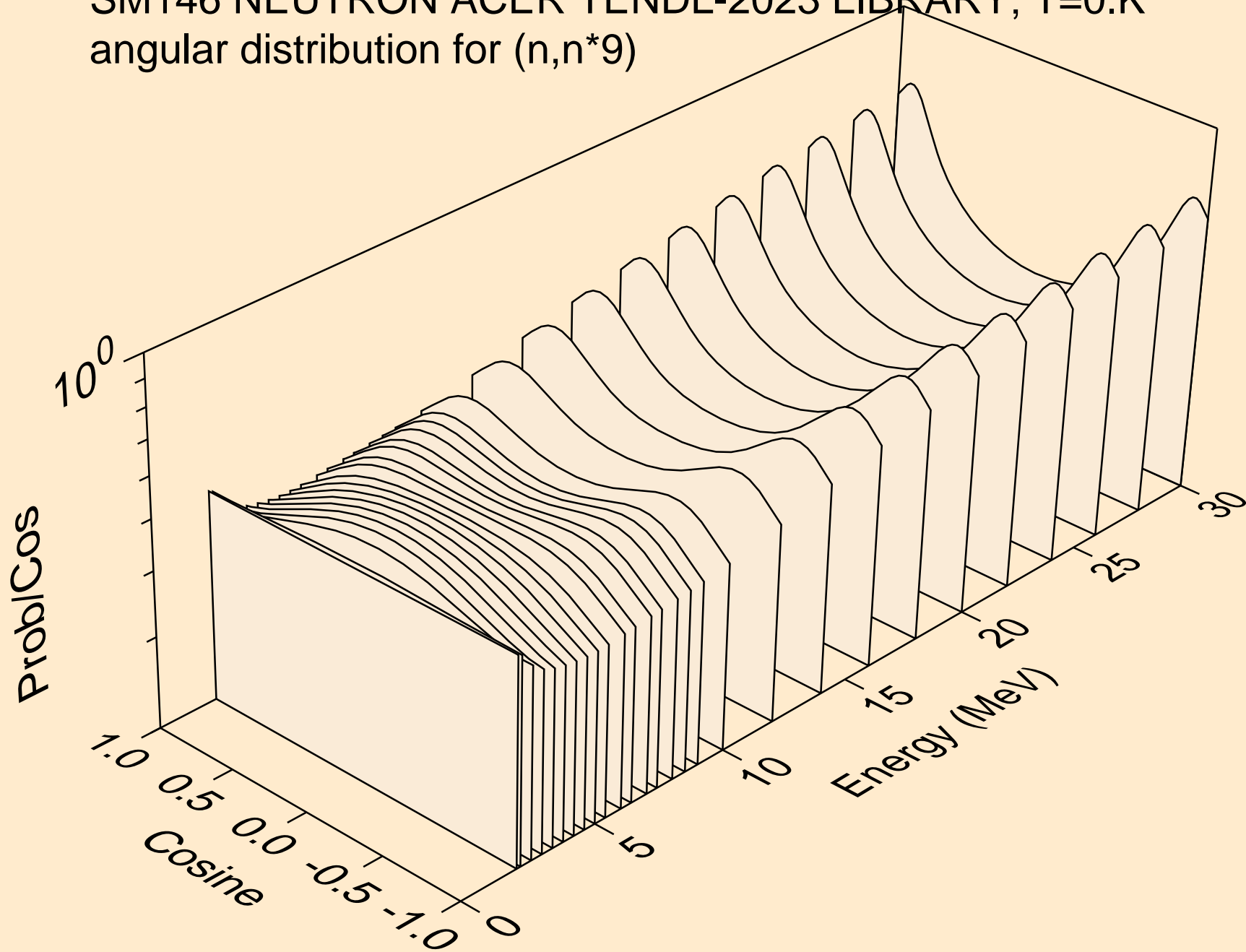
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angular distribution for (n,n\*7)



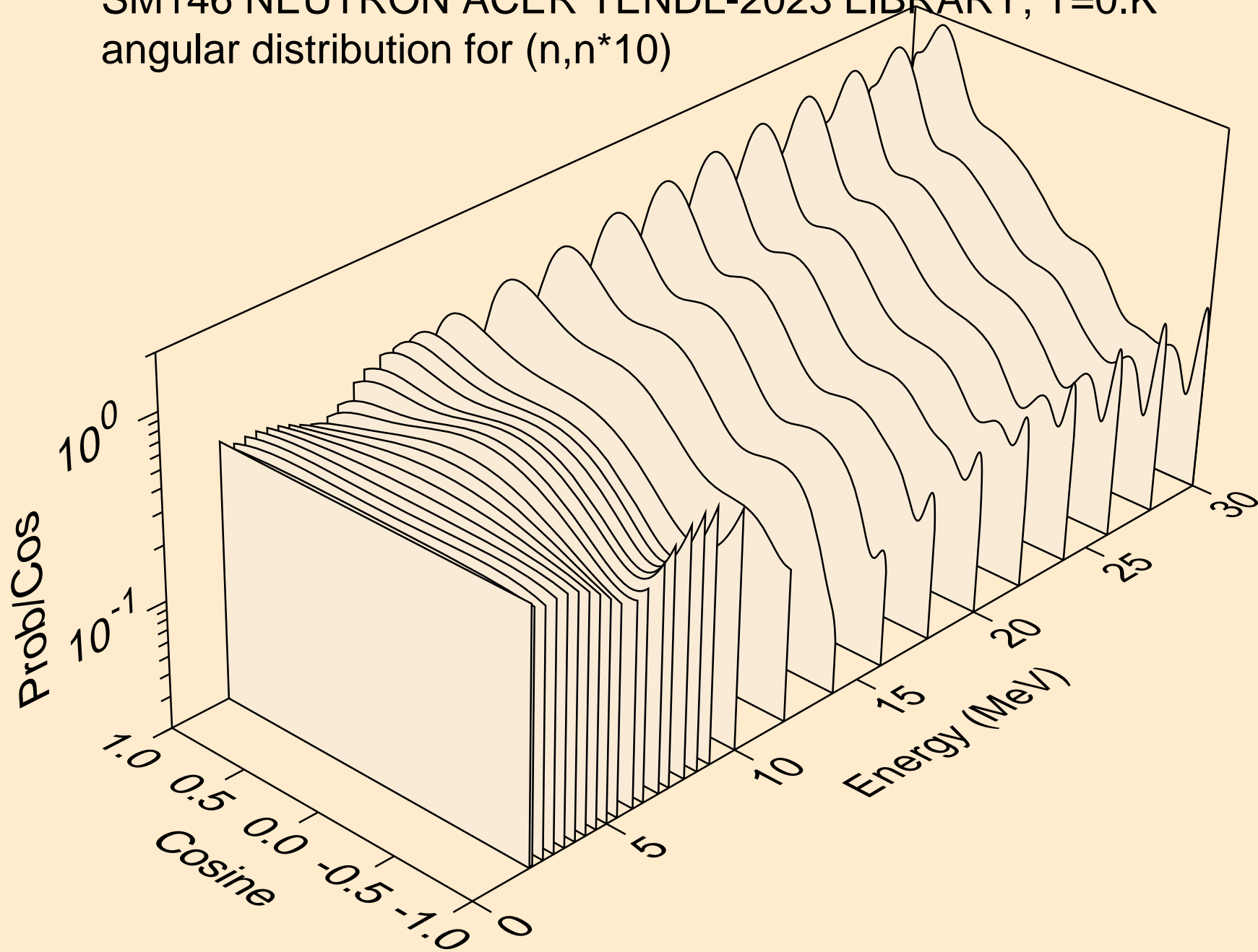
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angular distribution for (n,n\*8)



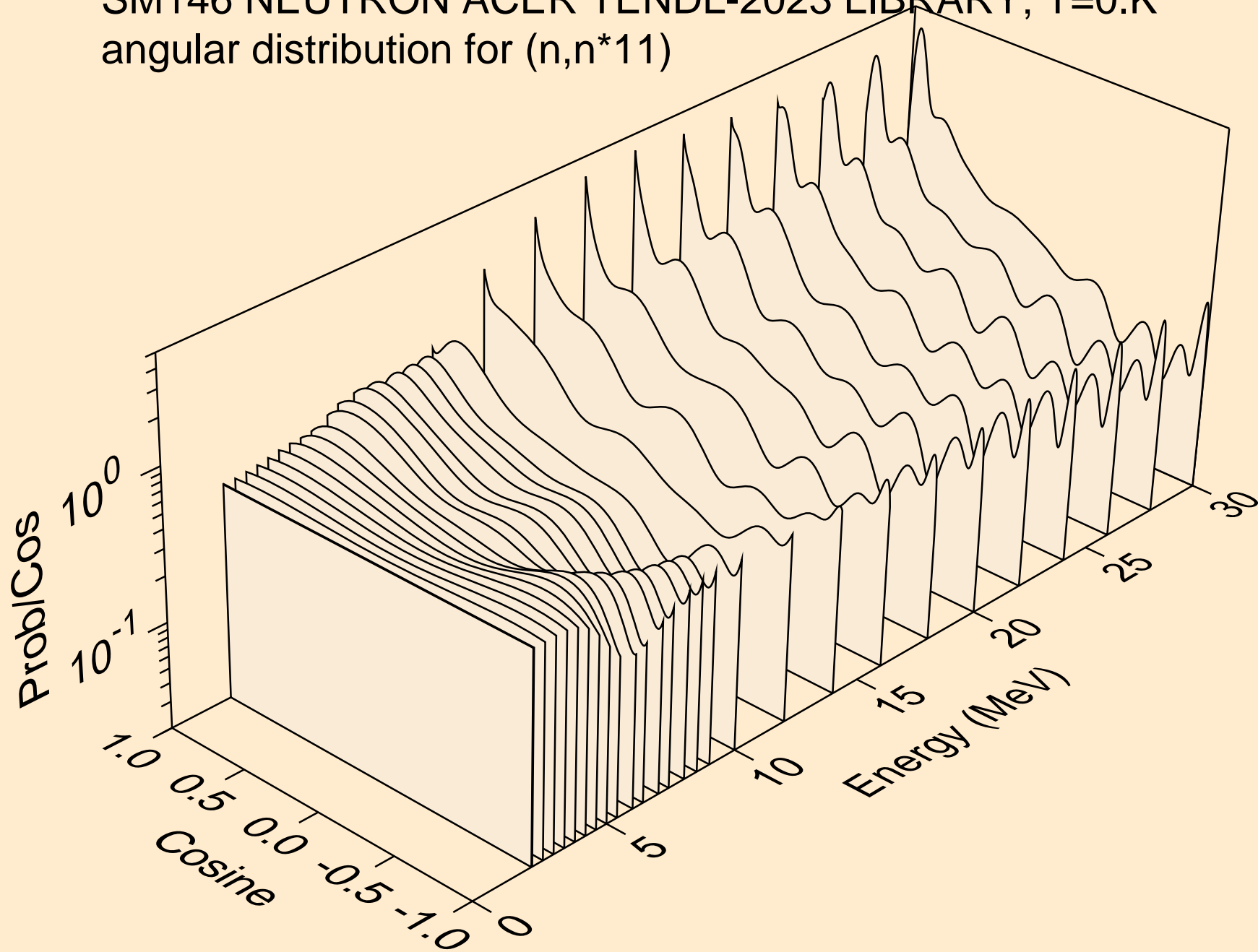
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

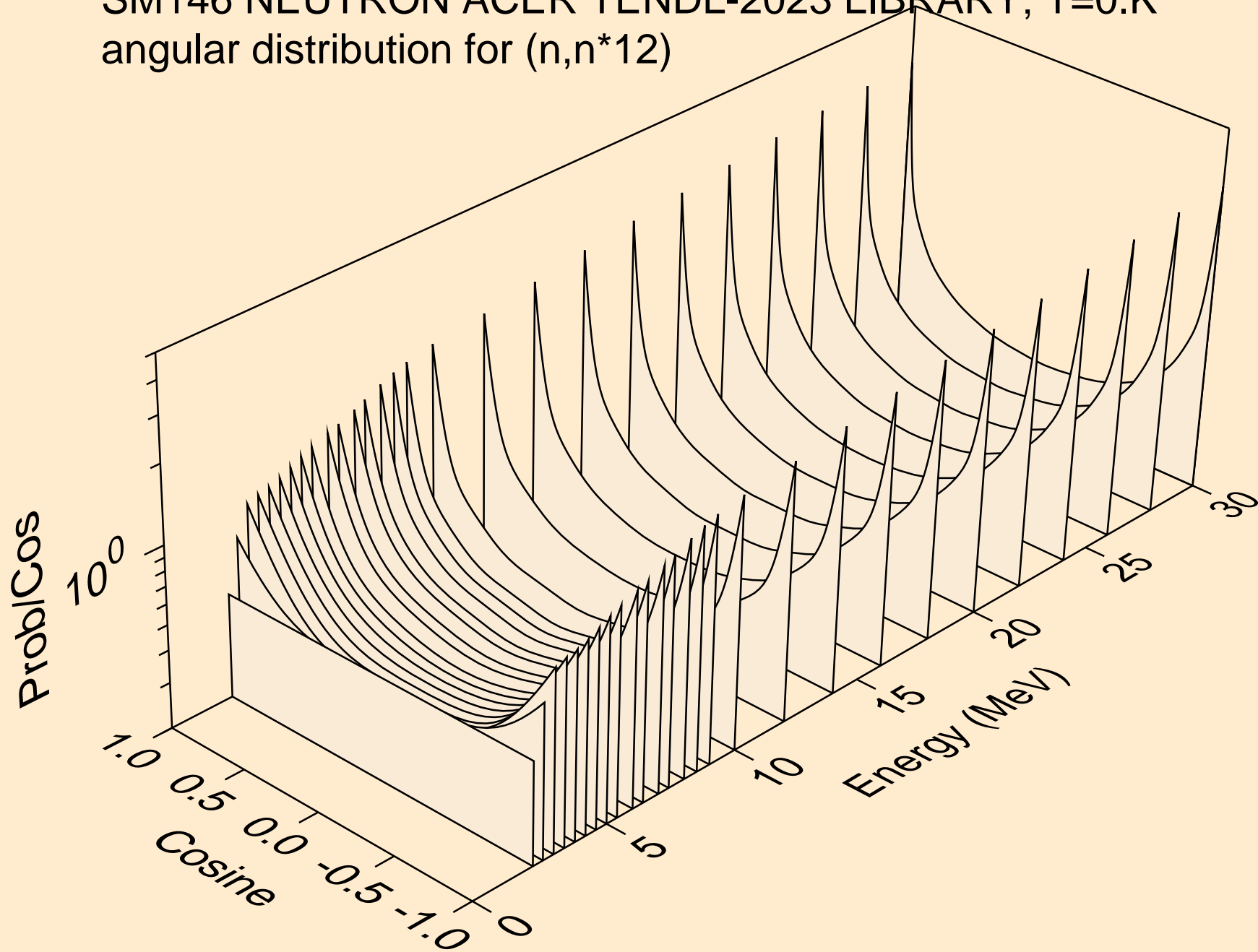


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

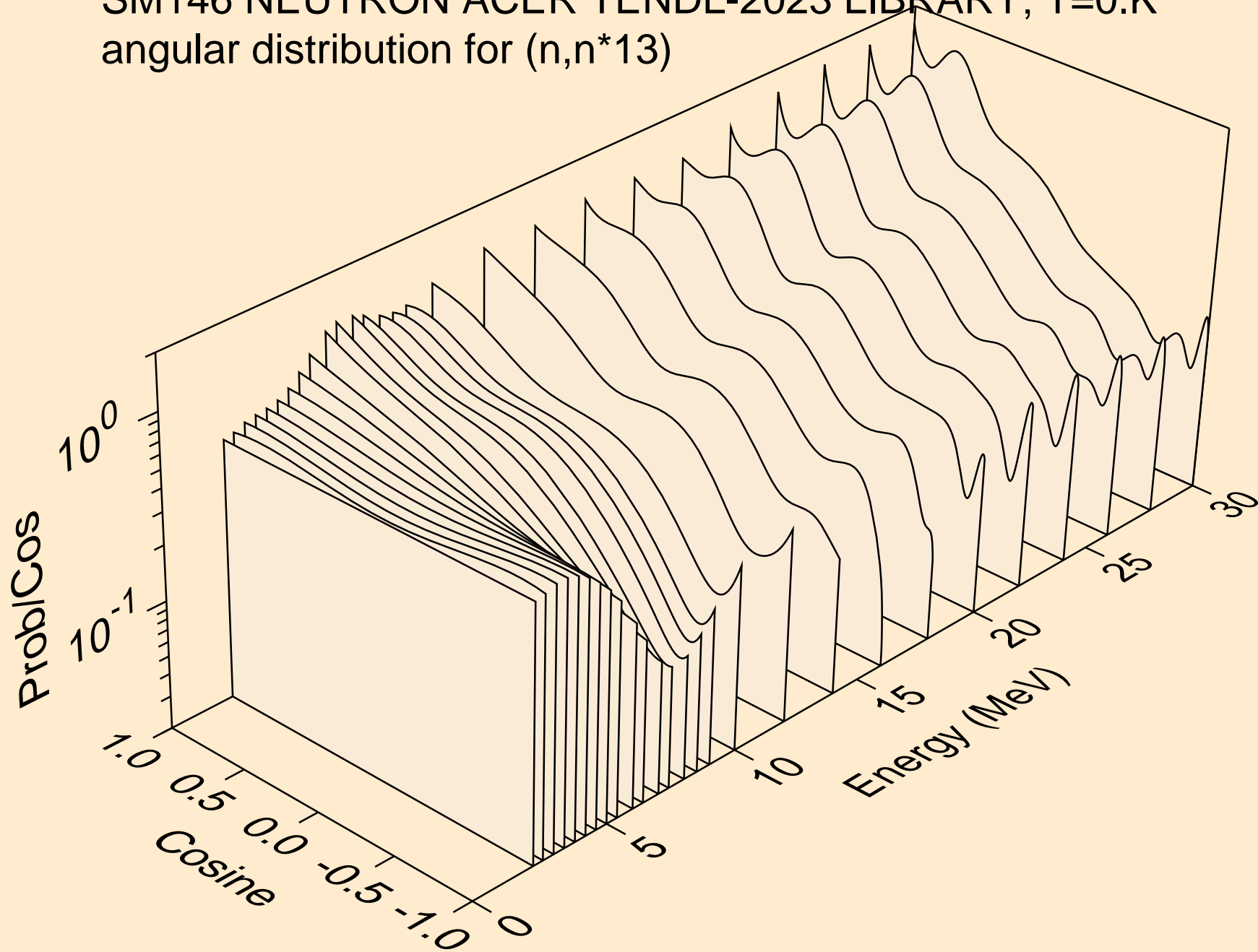




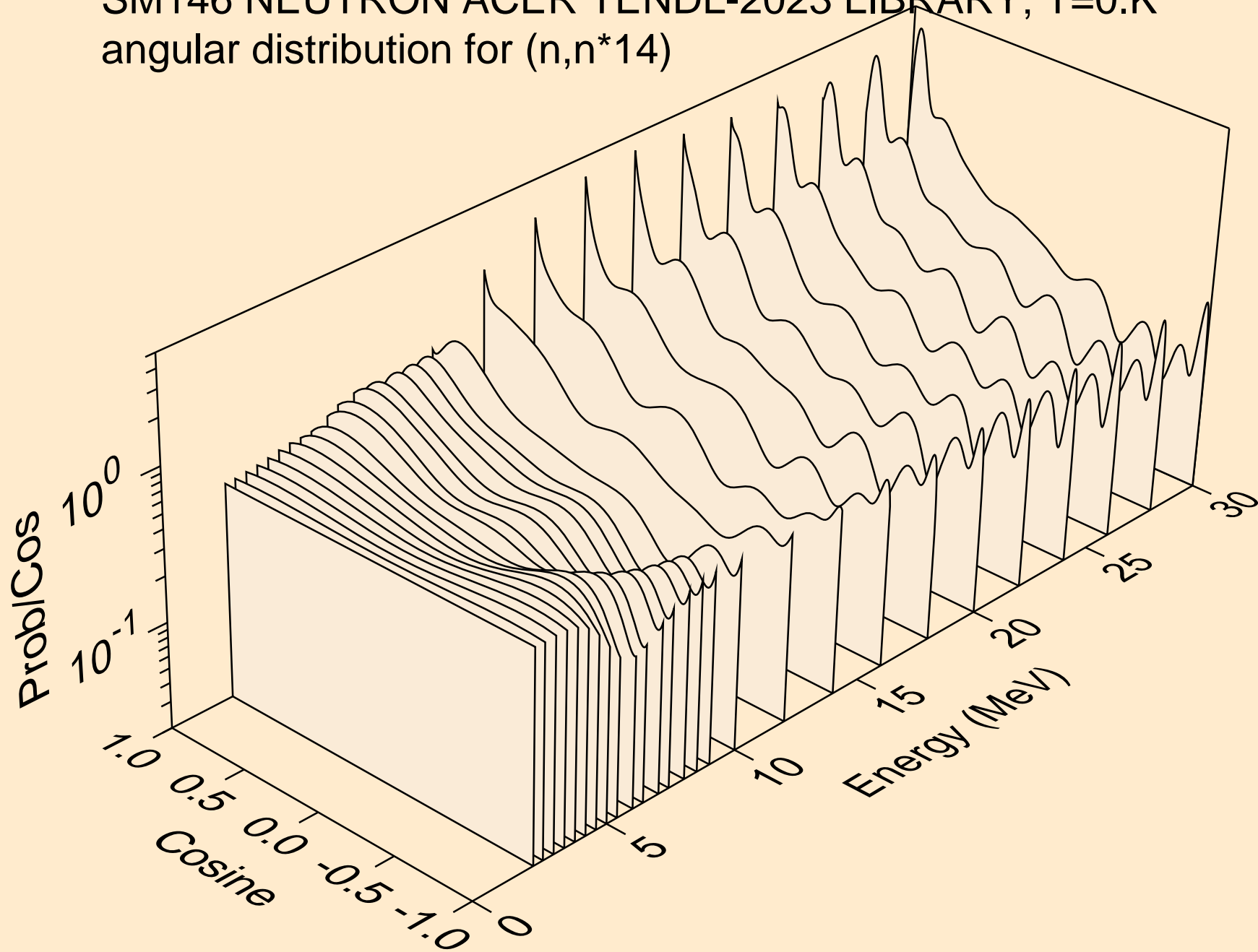
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angular distribution for (n,n\*12)



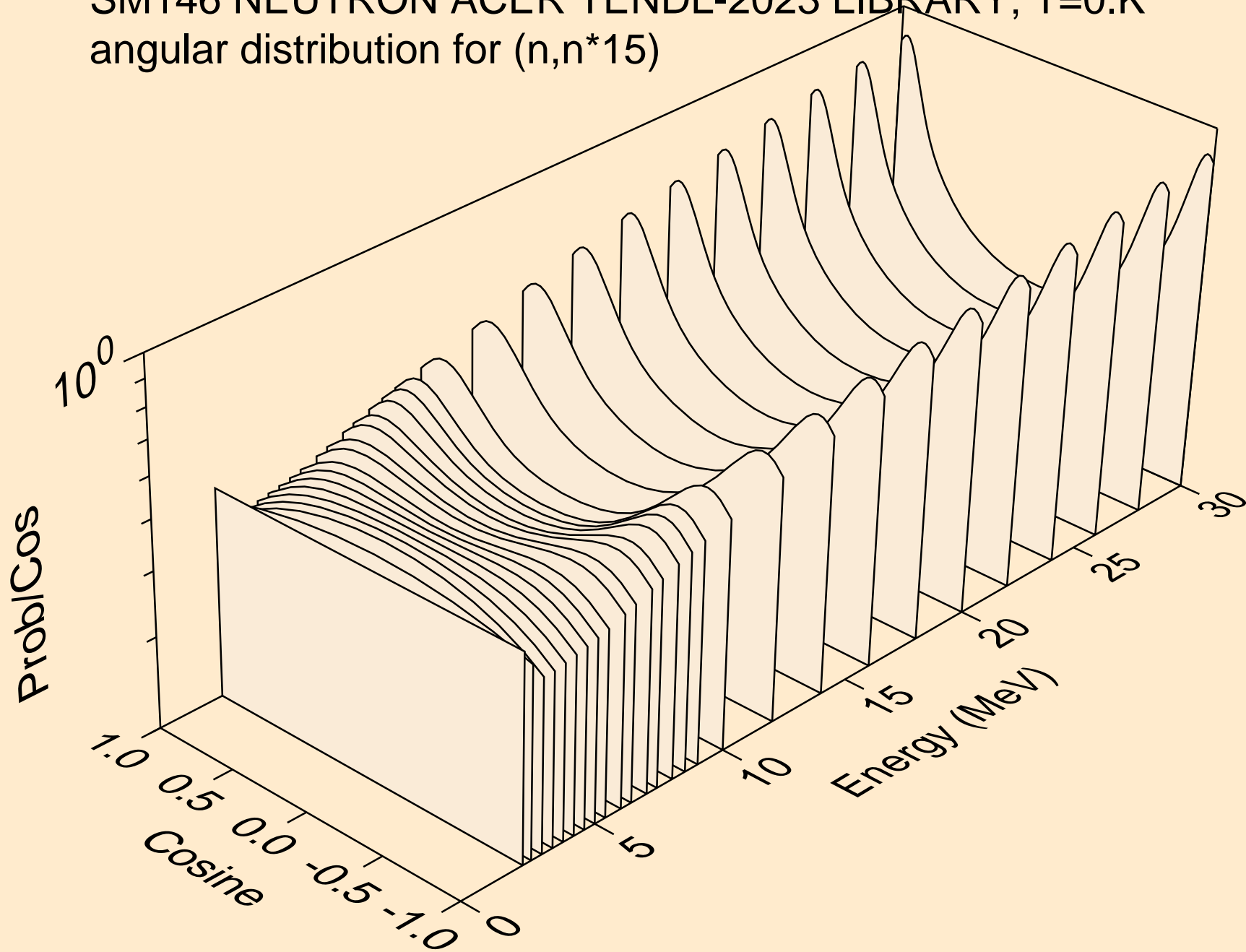
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angular distribution for (n,n\*13)



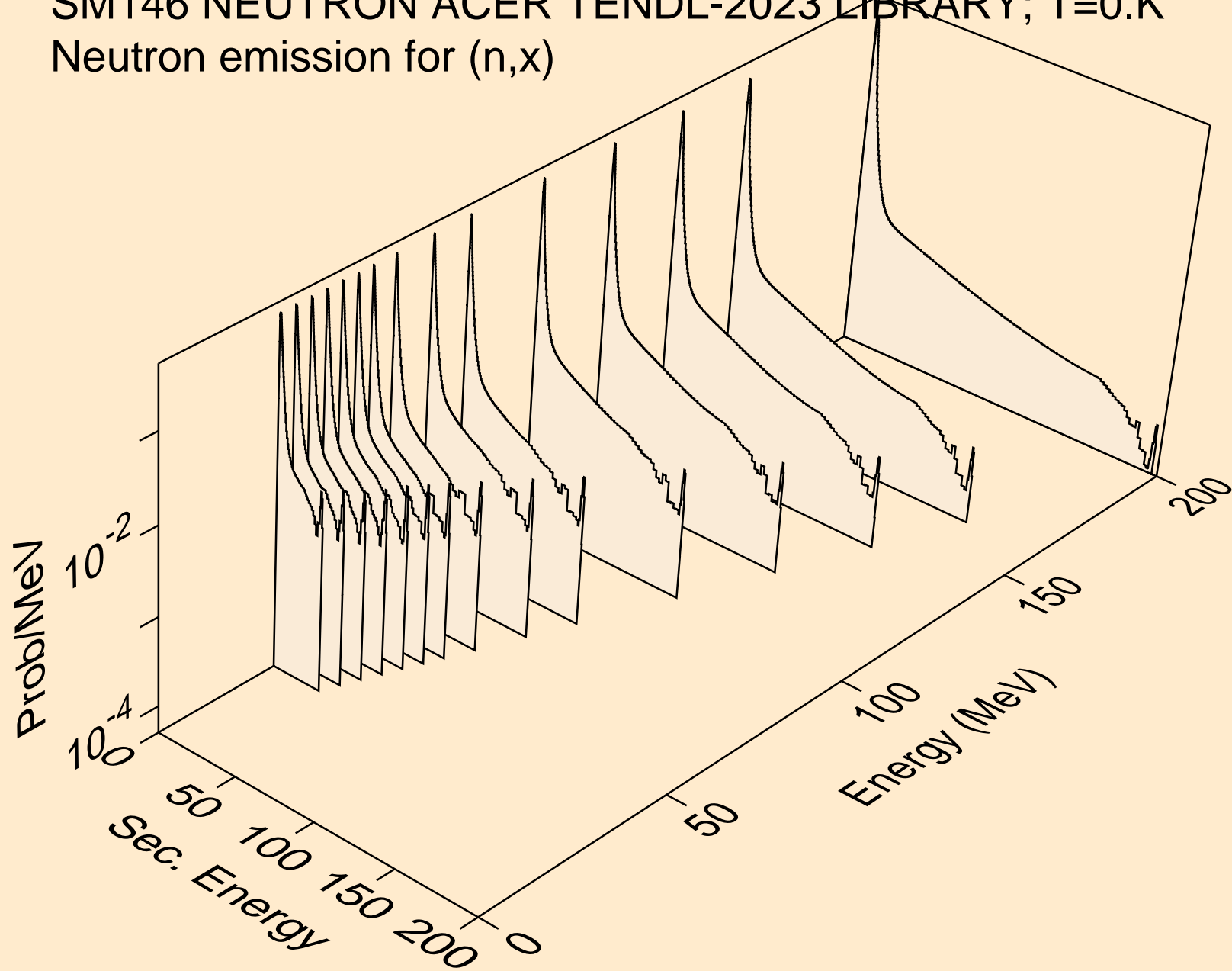
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angular distribution for (n,n\*14)



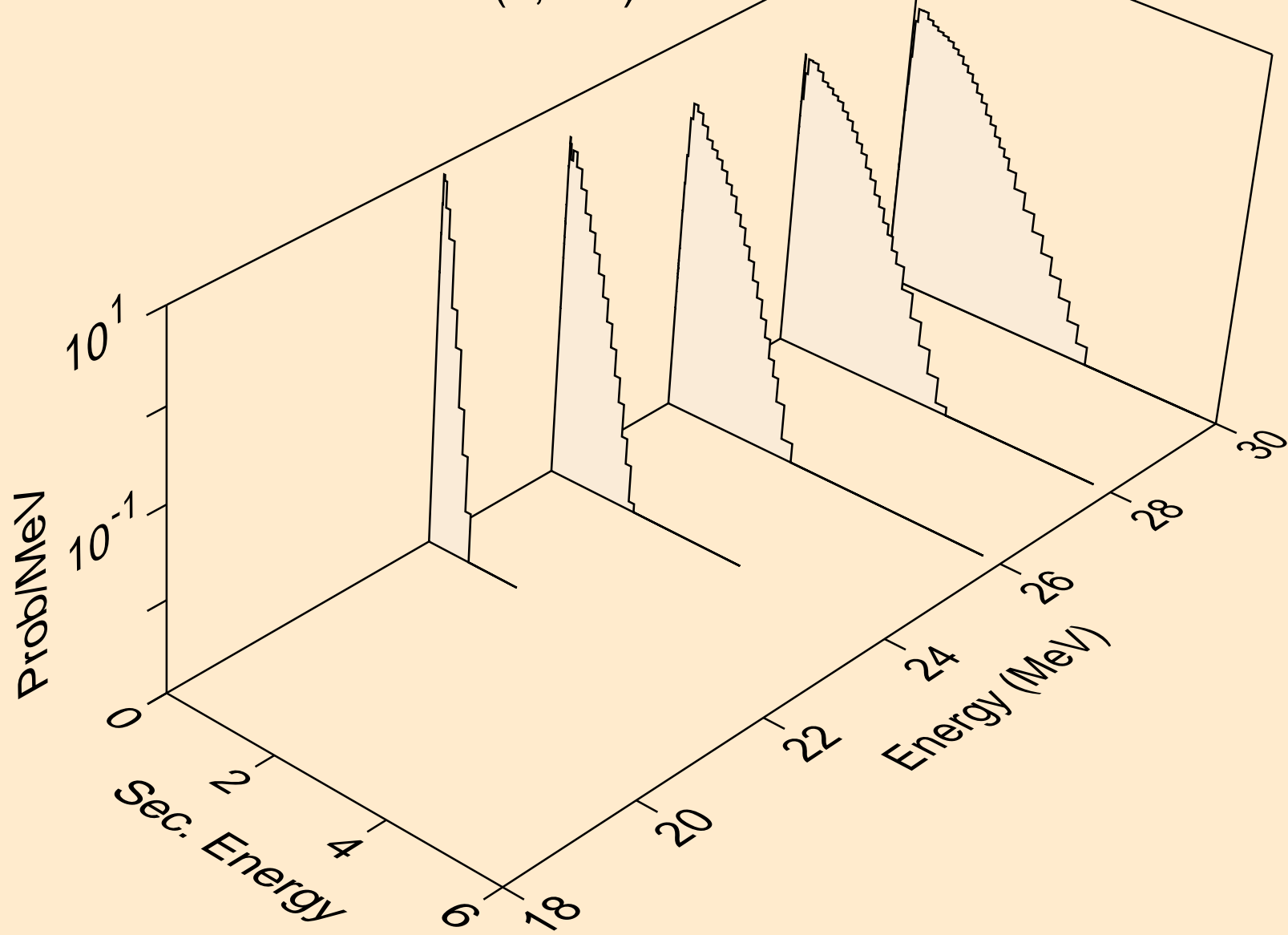
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angular distribution for (n,n\*15)



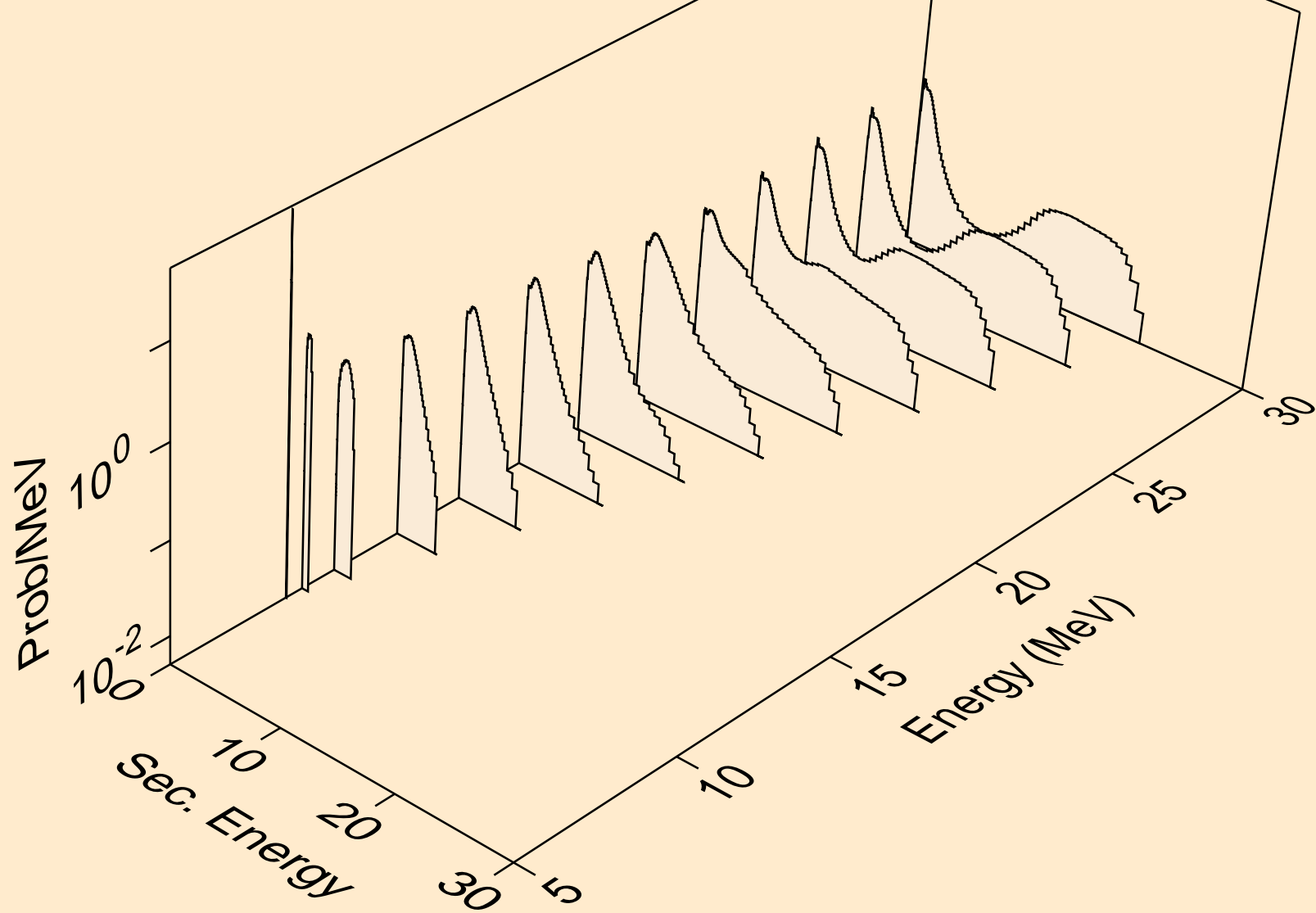
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



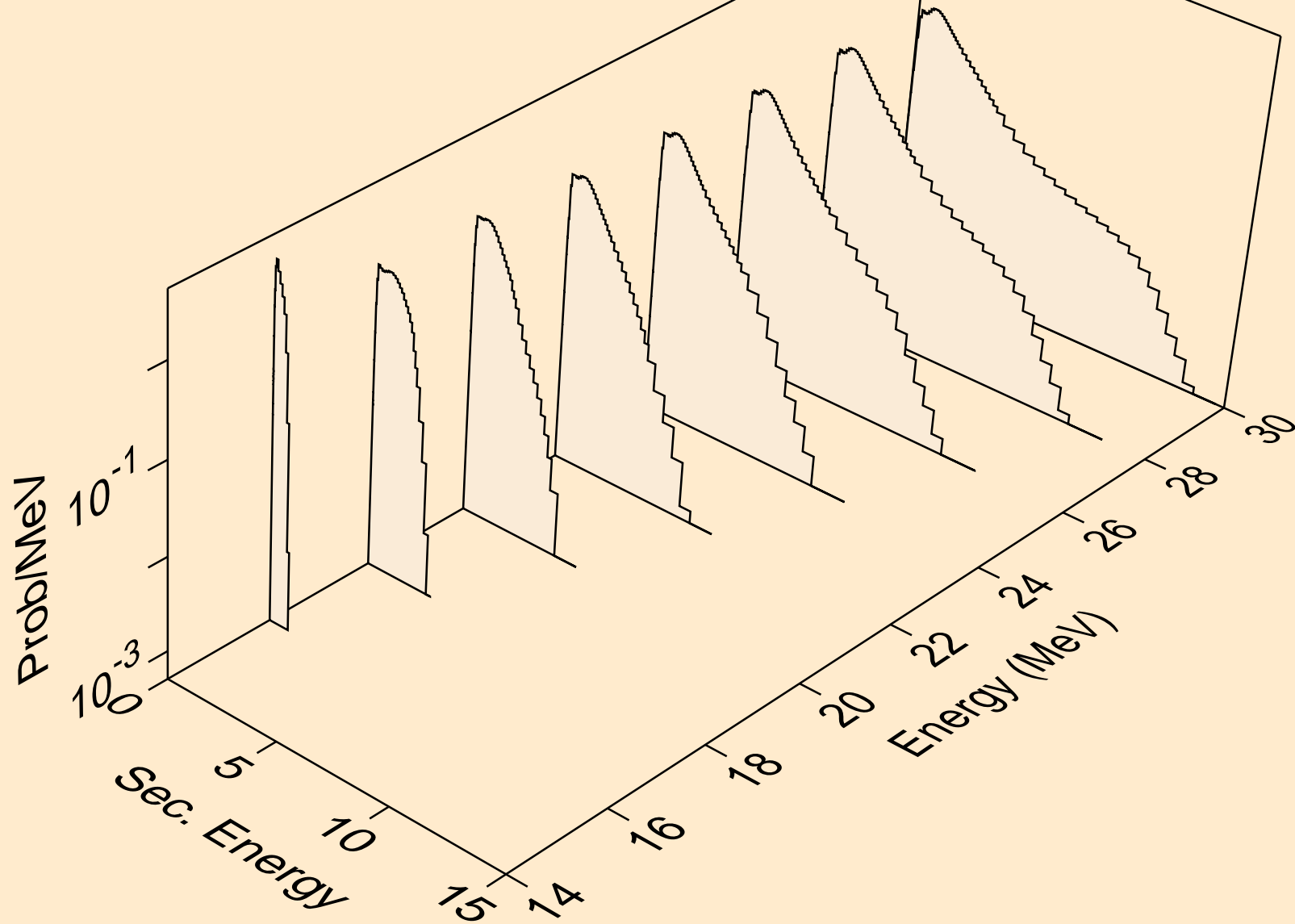
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

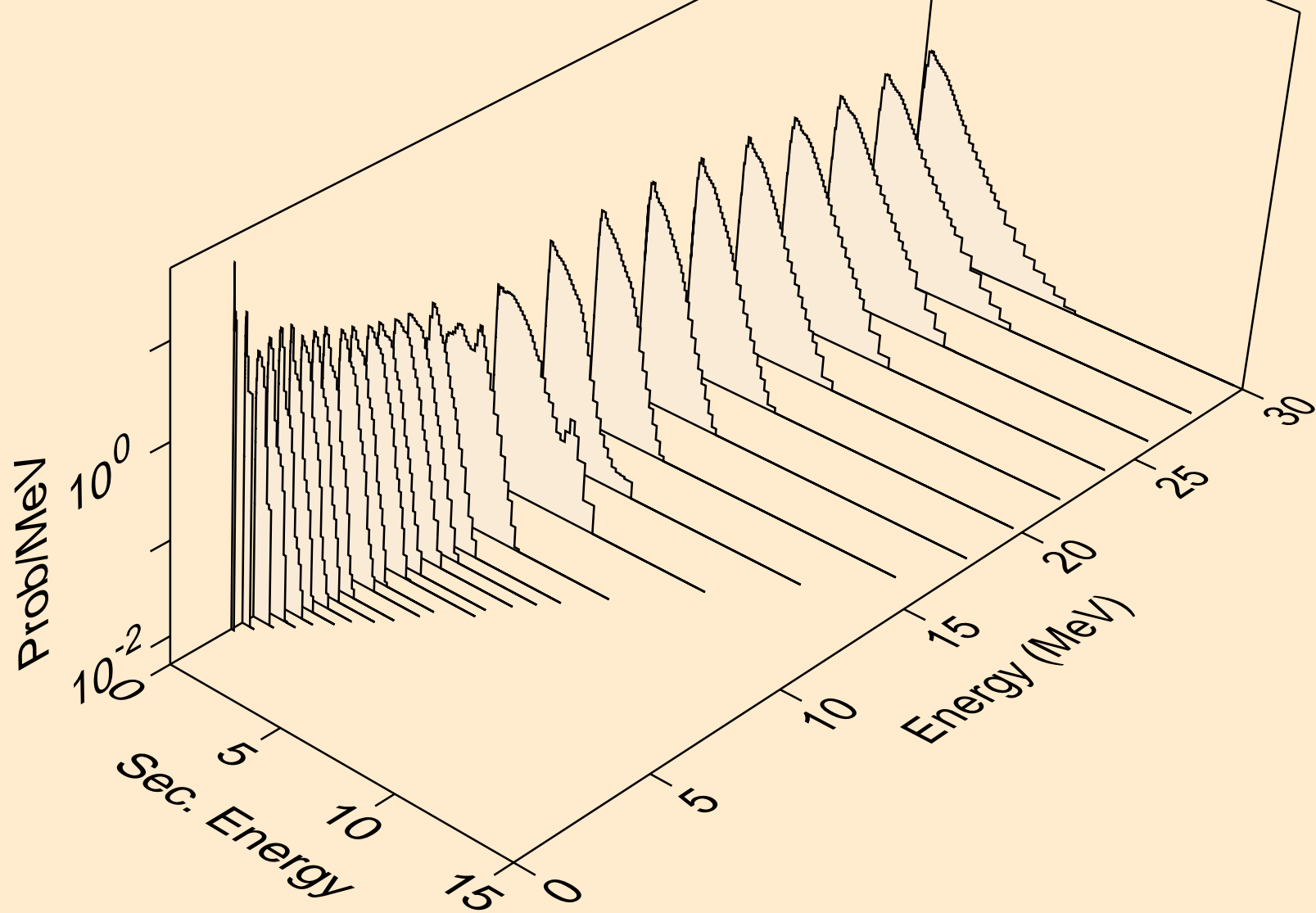


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

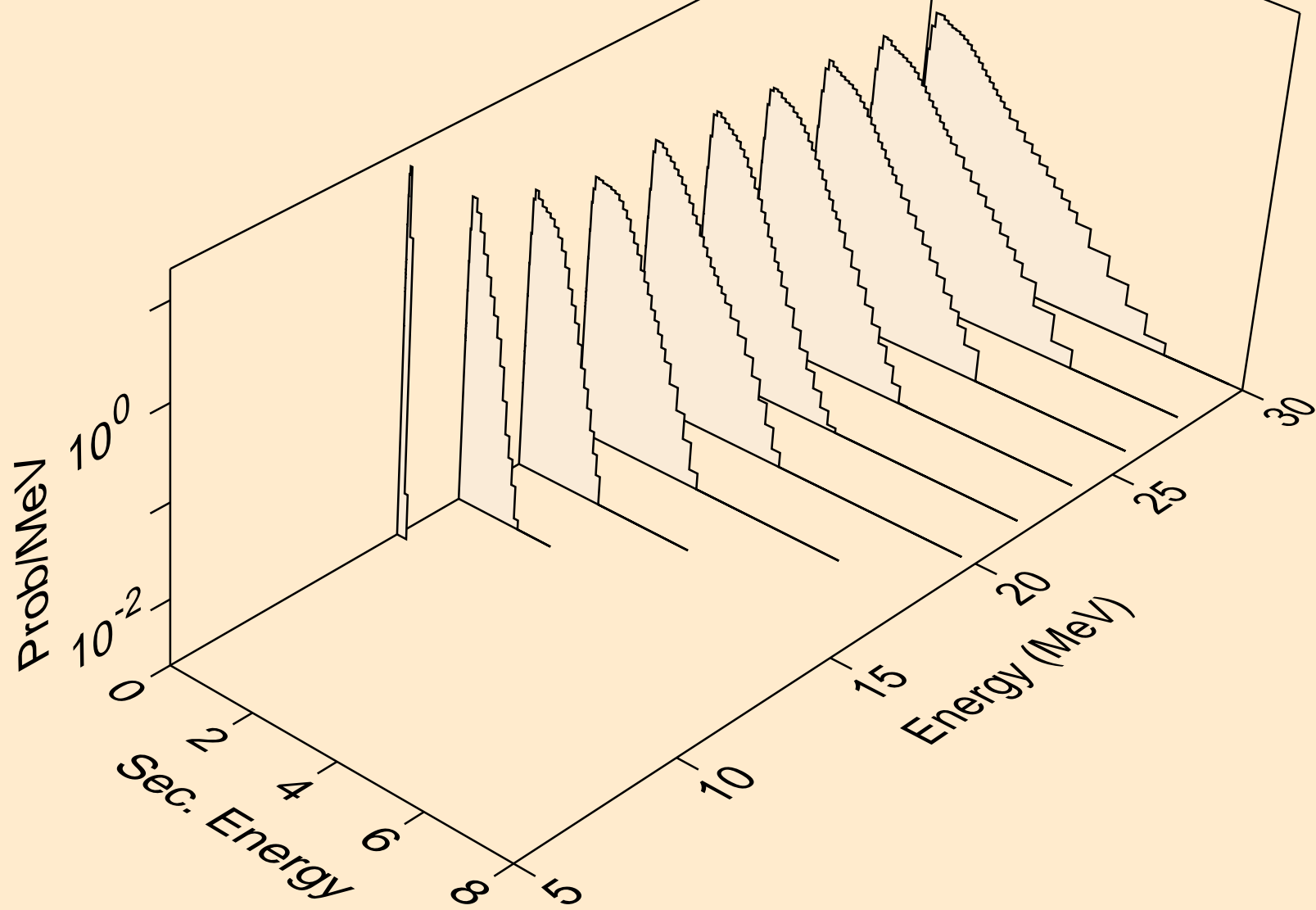




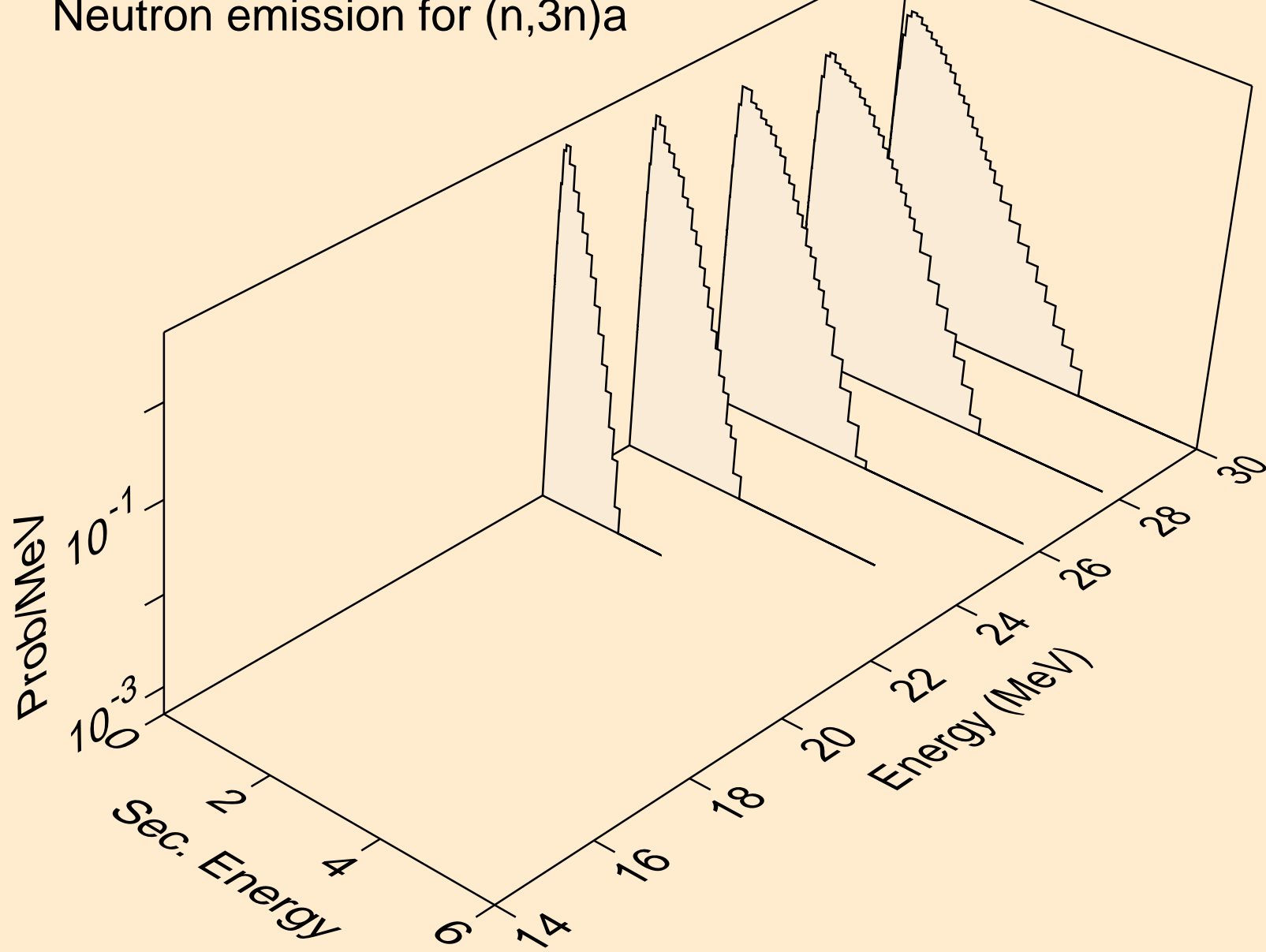
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



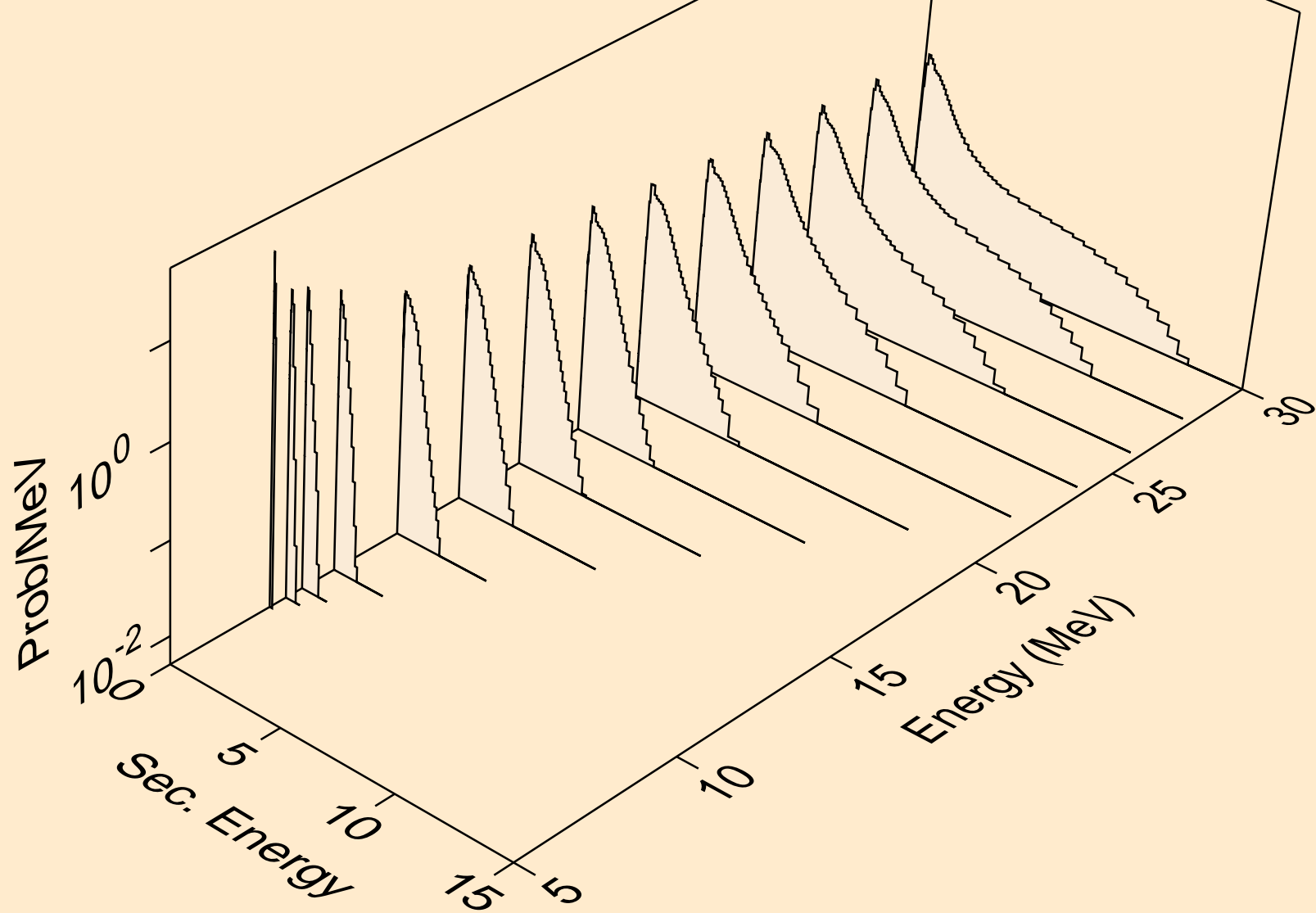
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



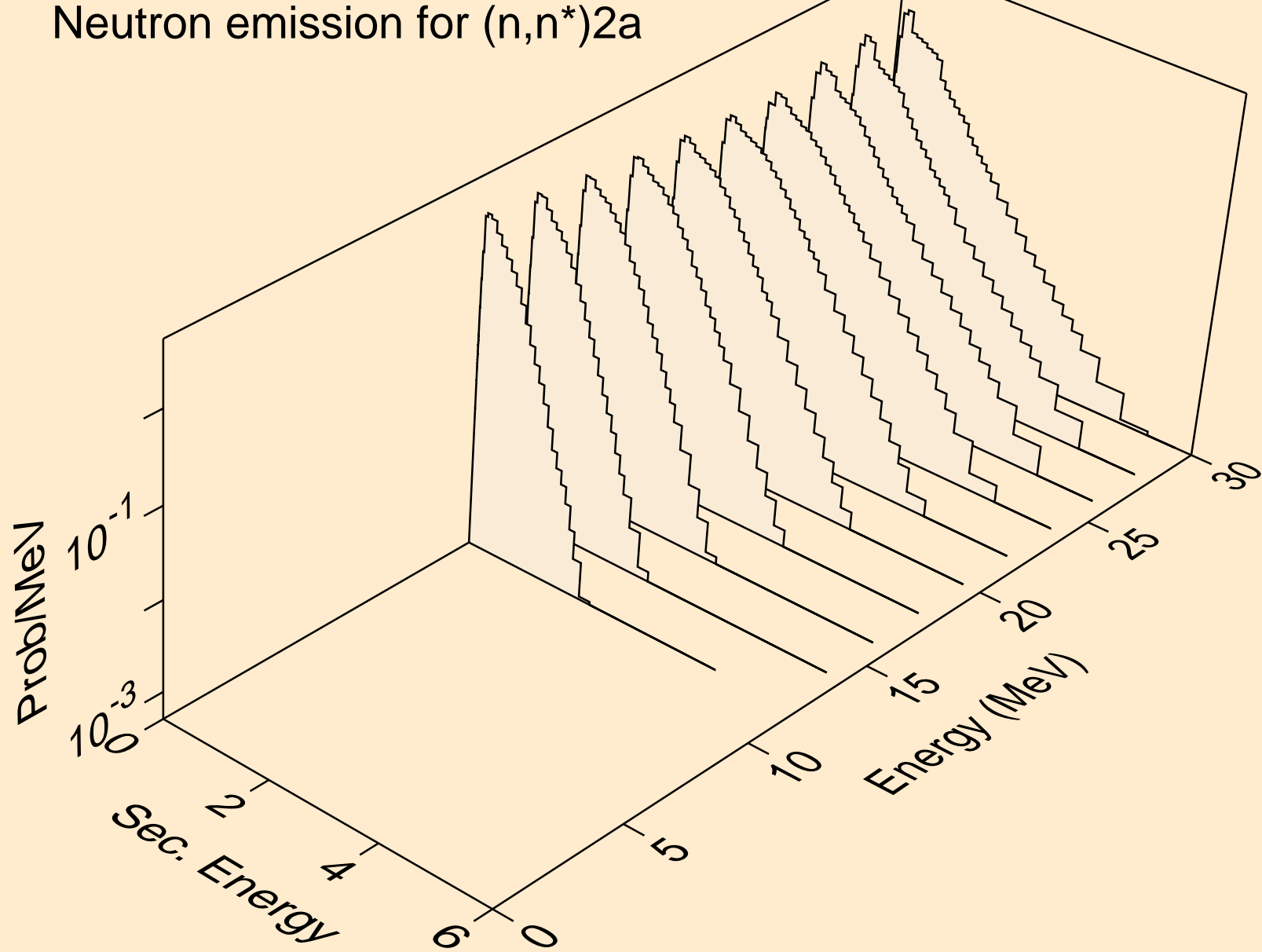
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



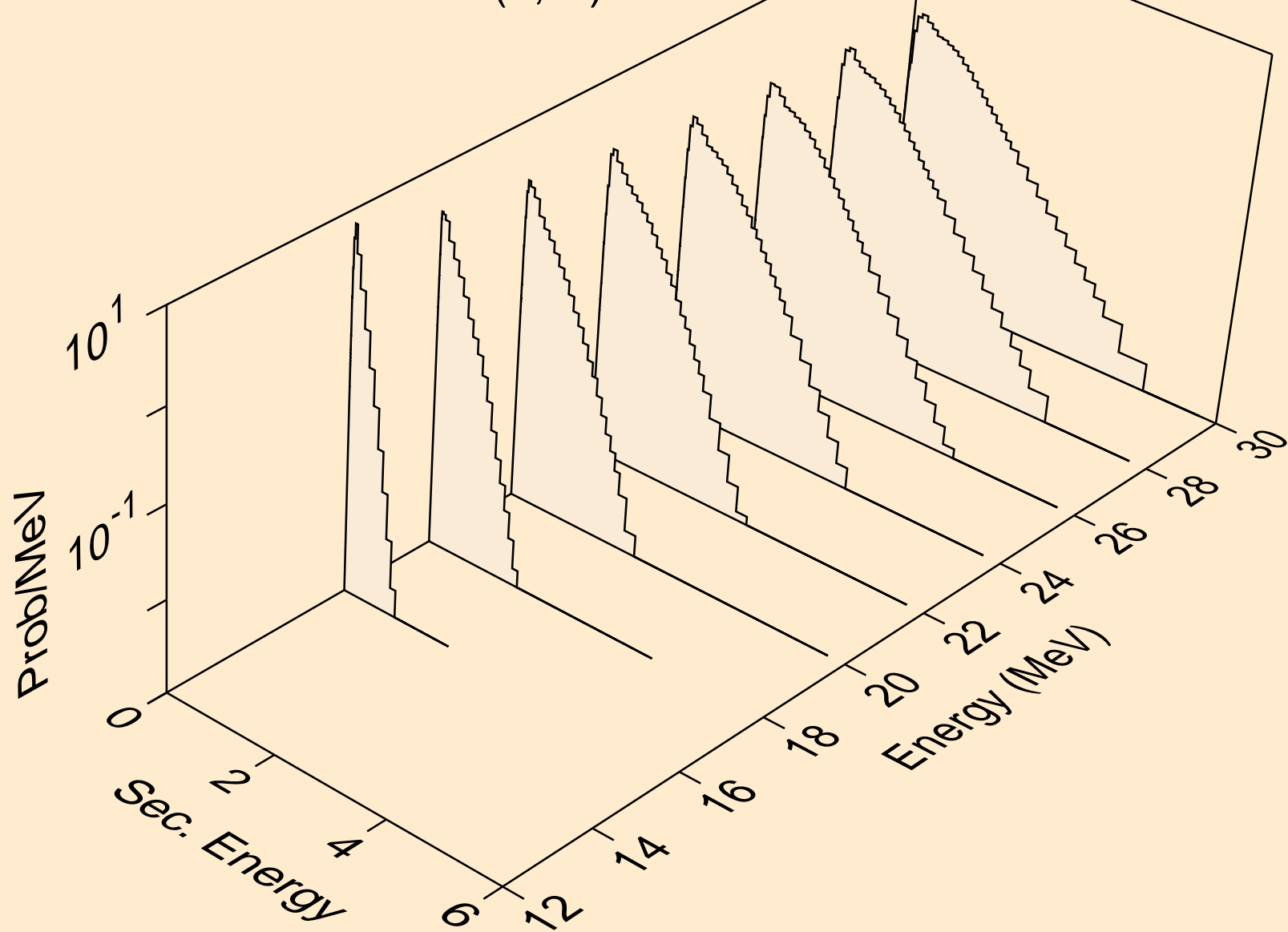
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



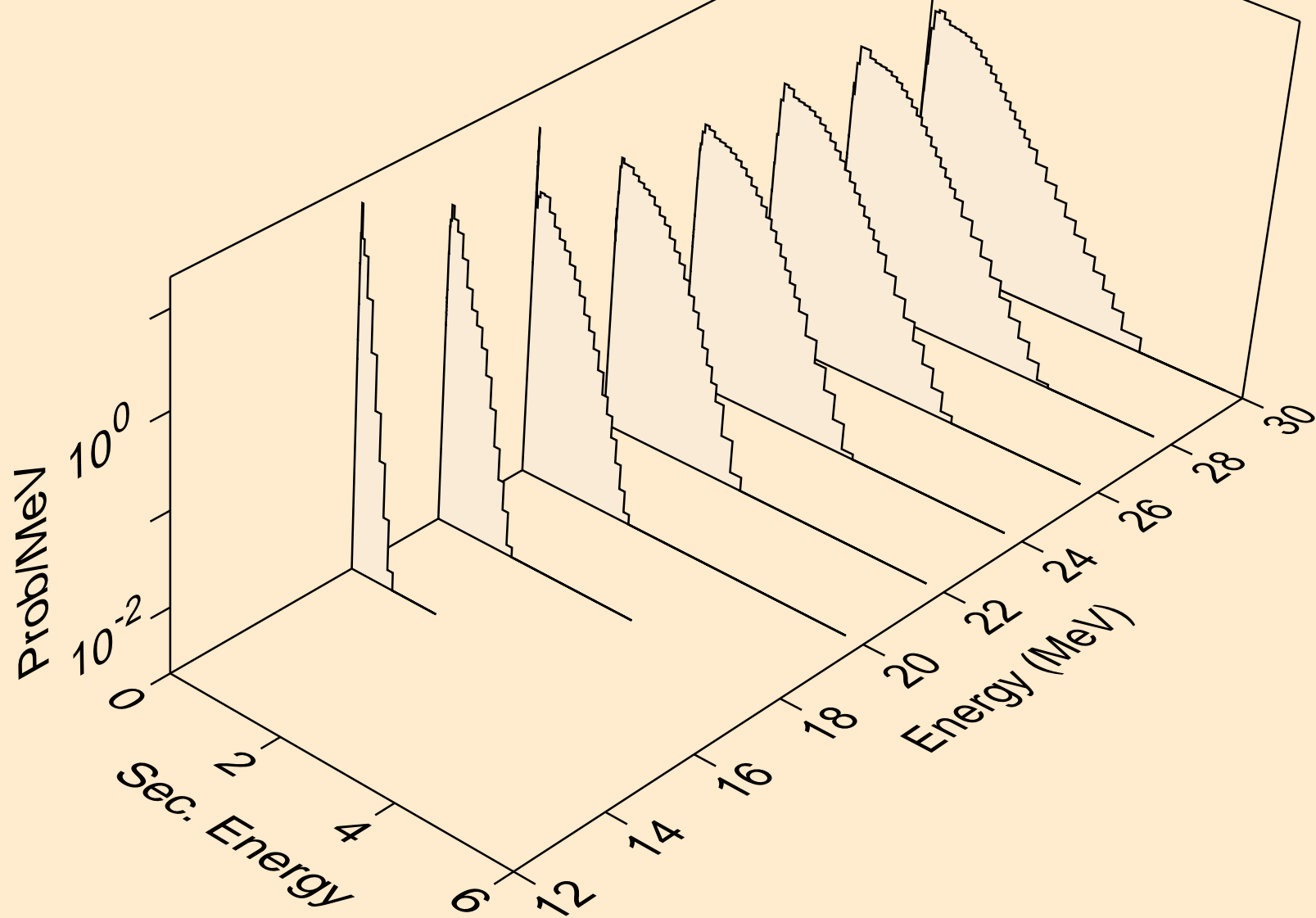
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



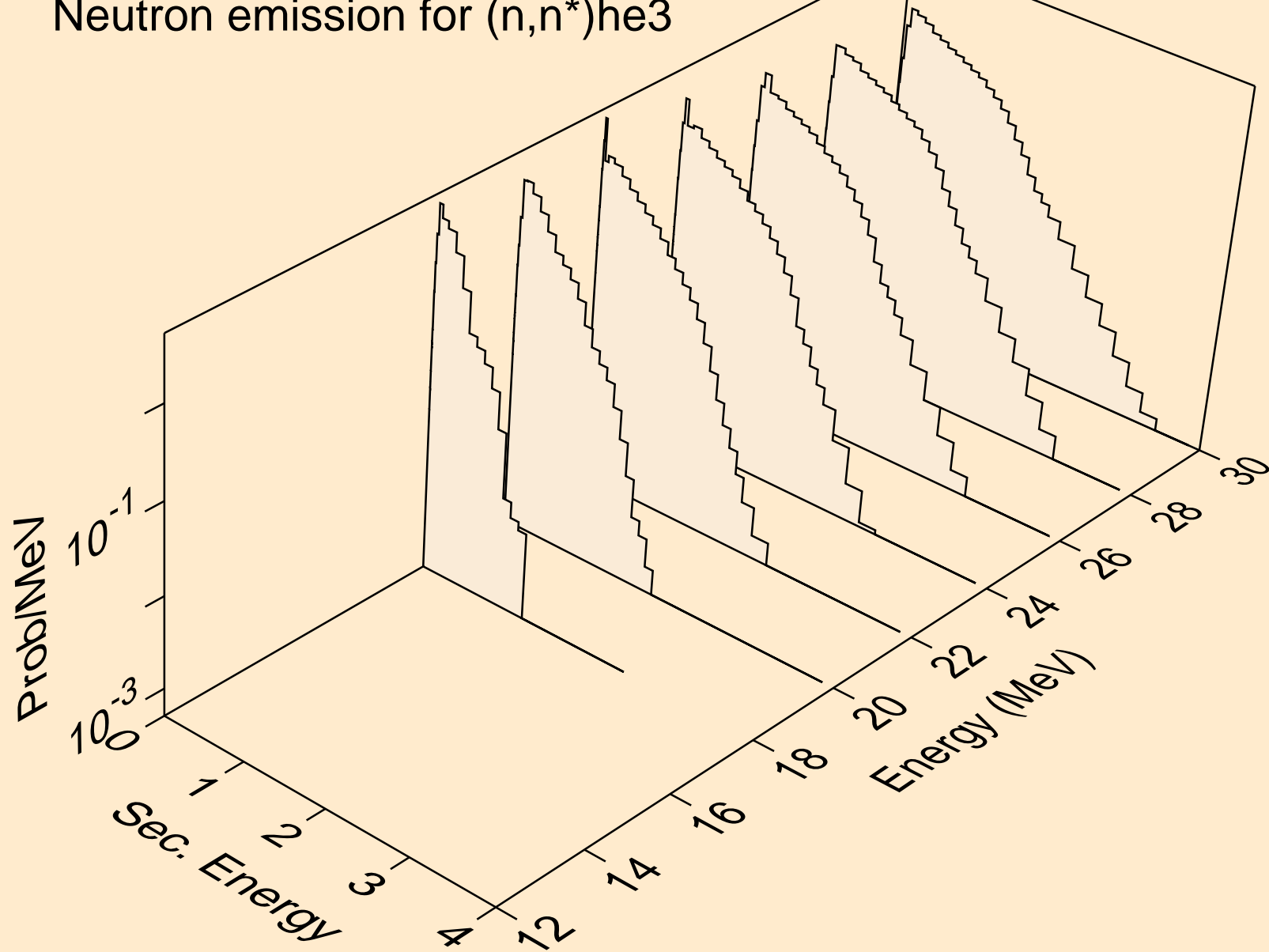
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

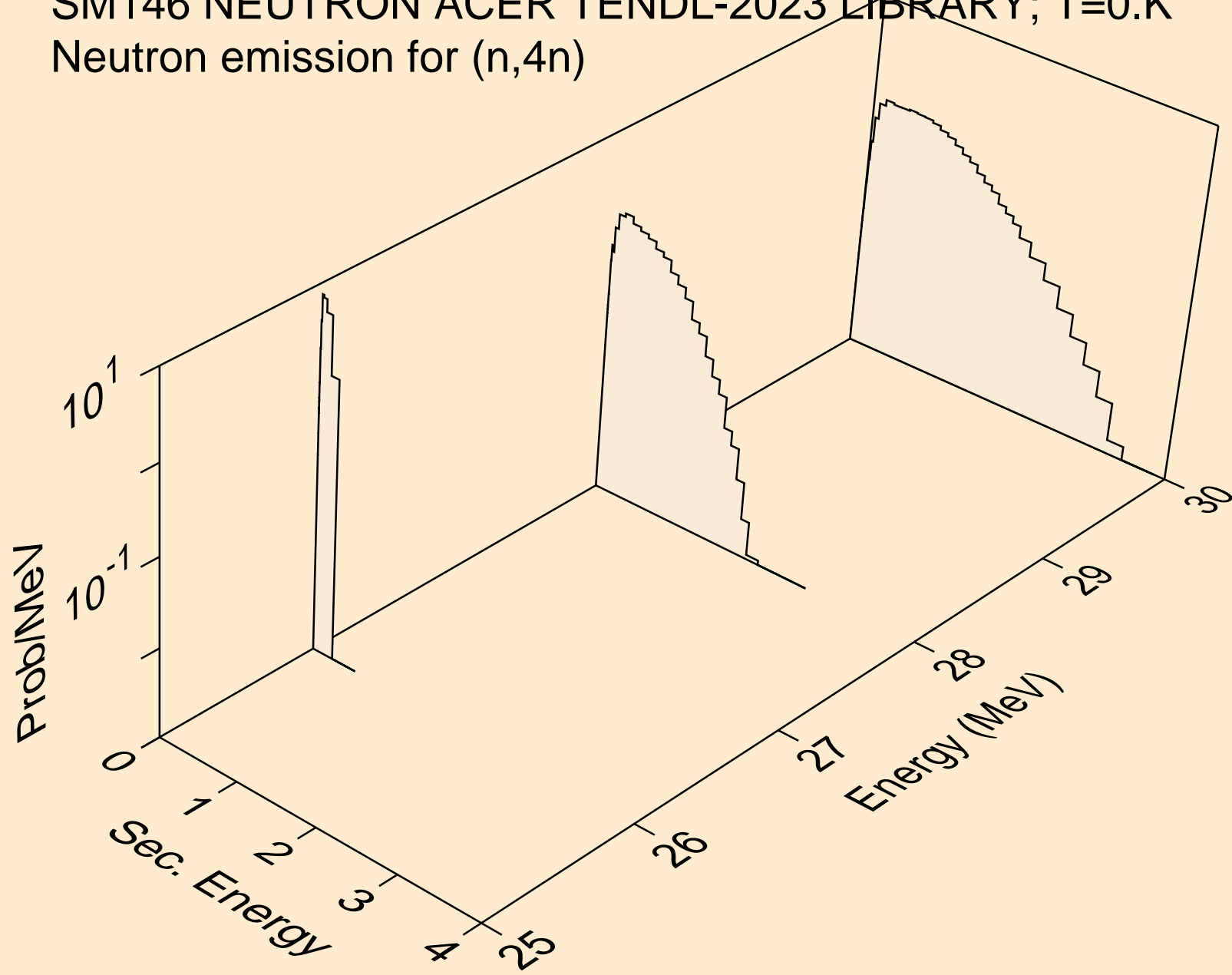


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

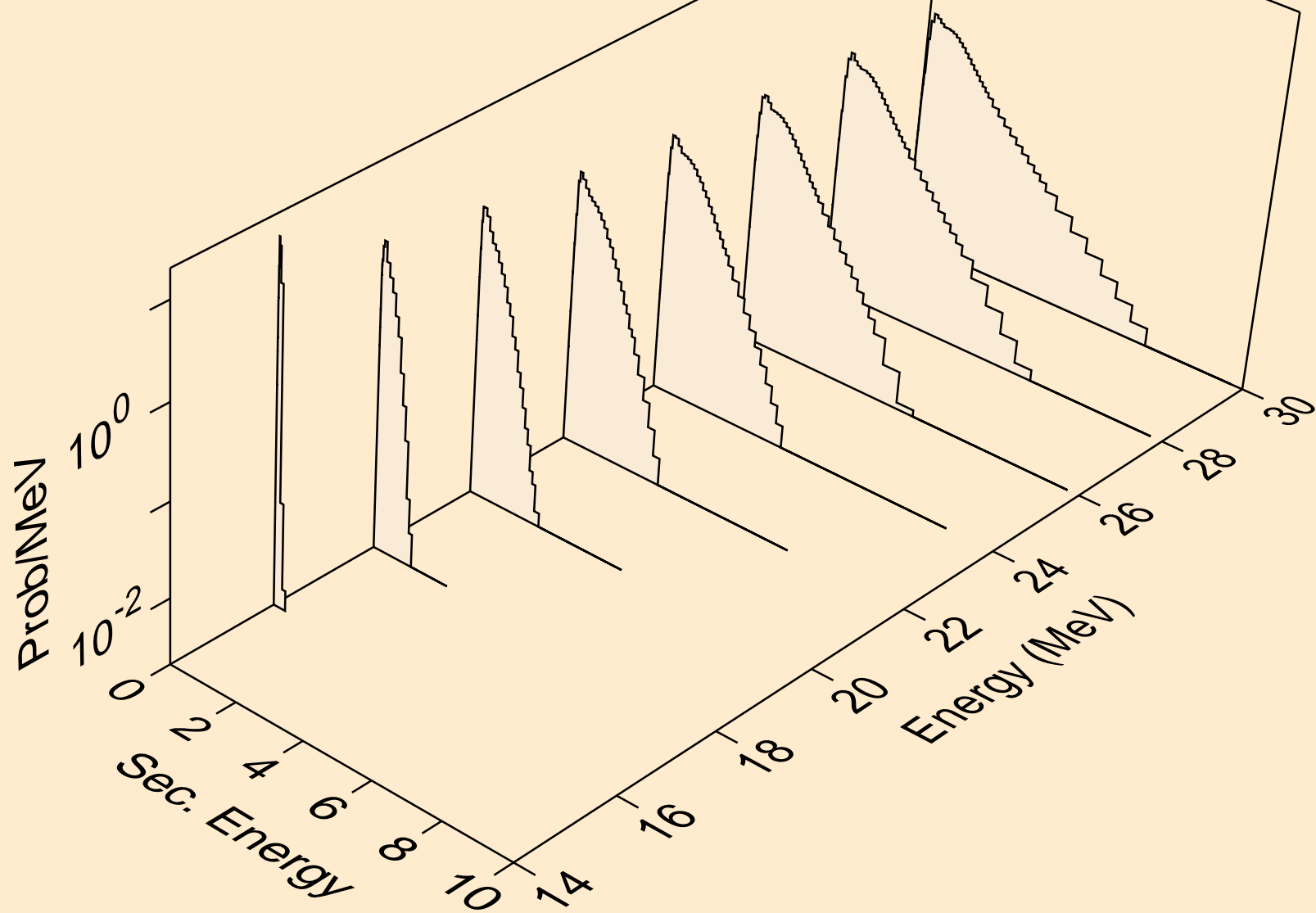




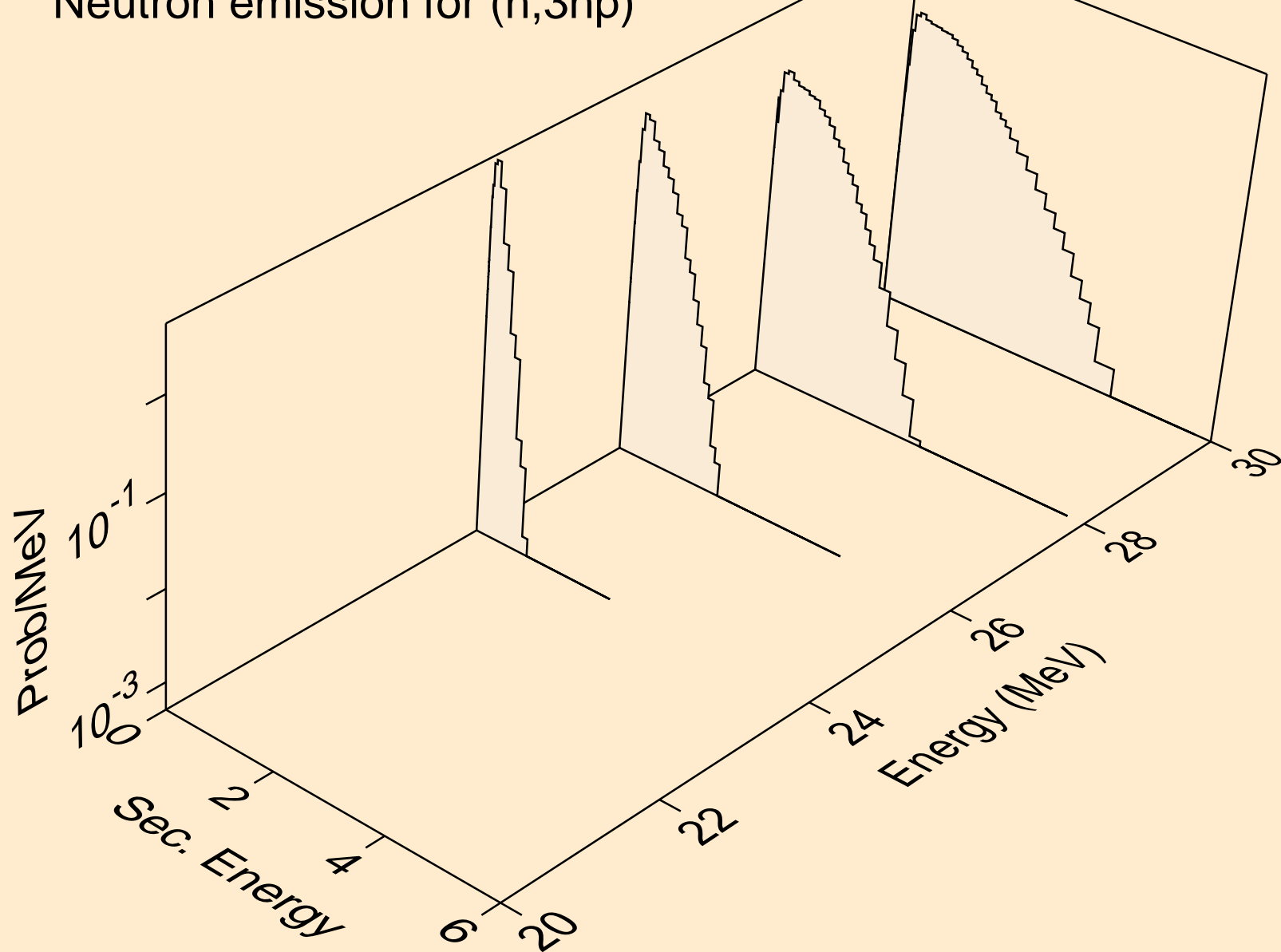
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



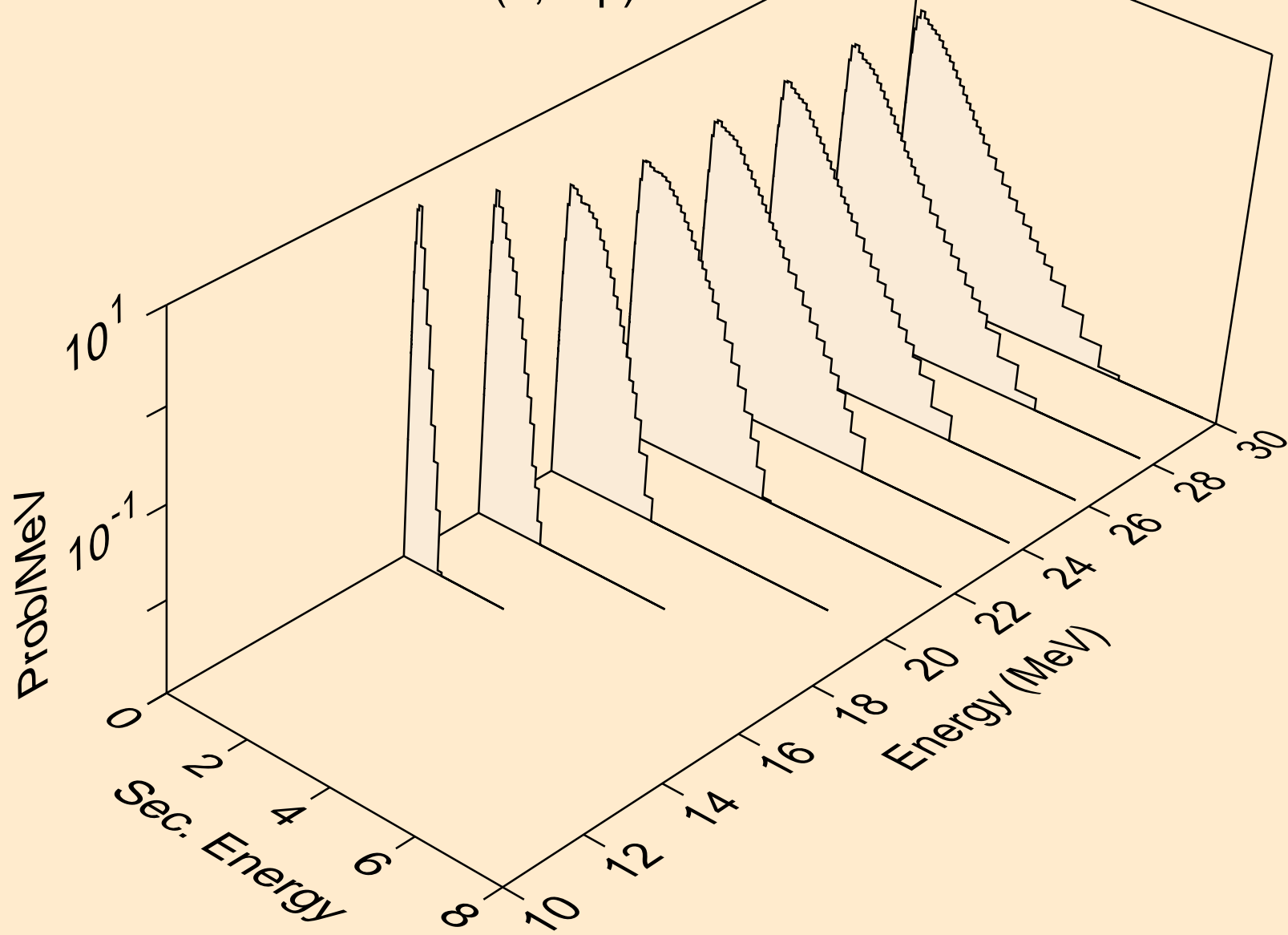
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



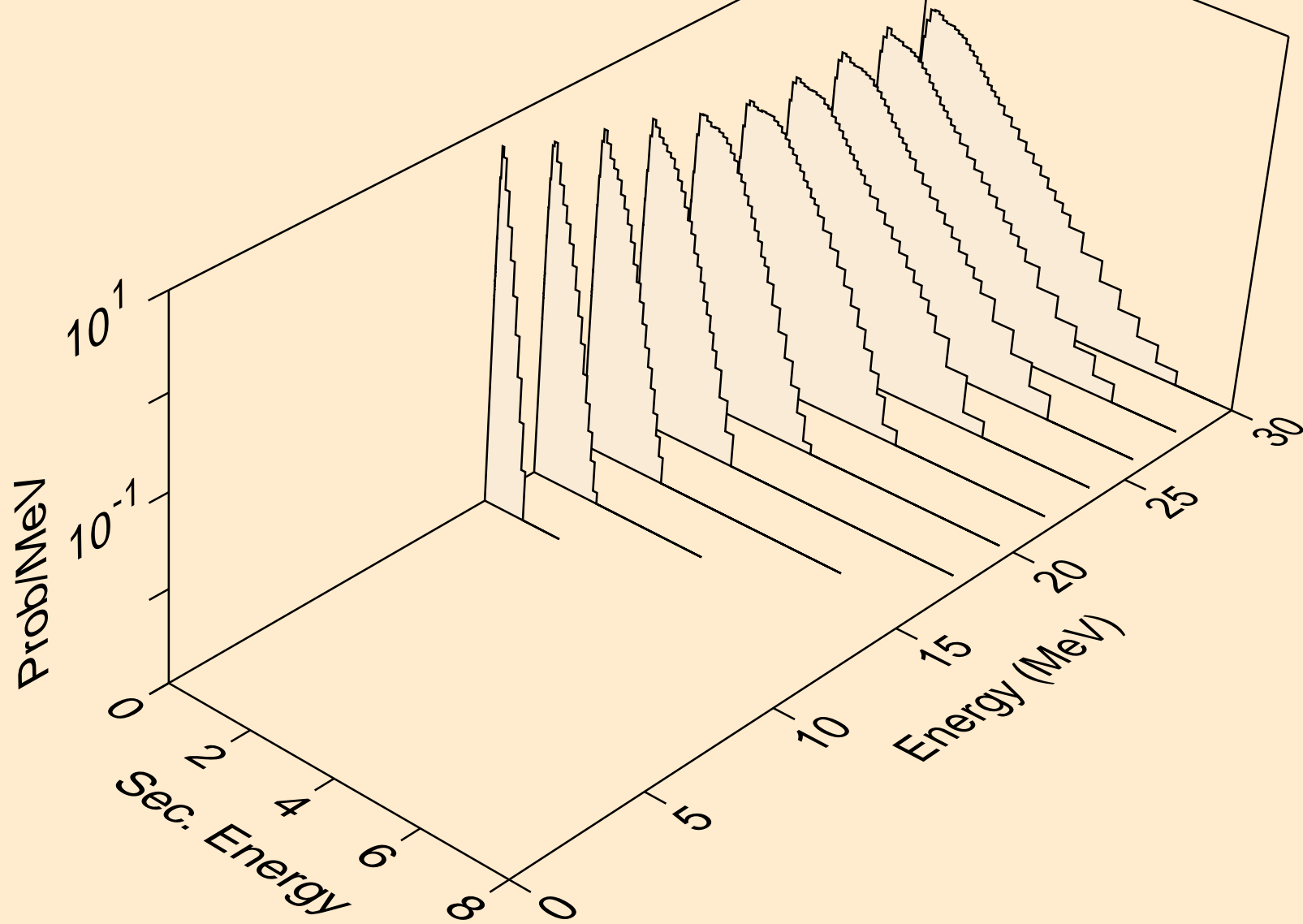
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



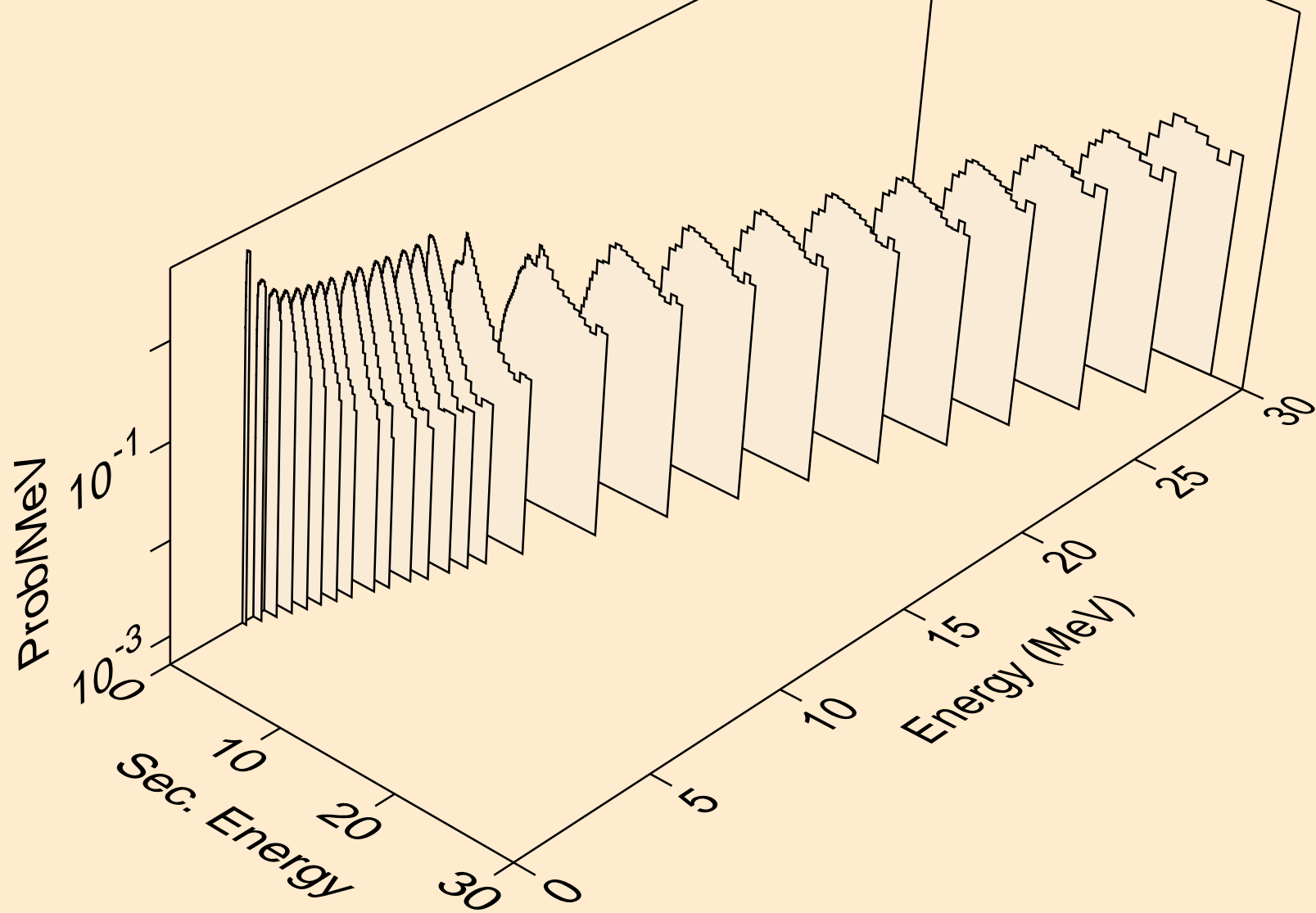
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



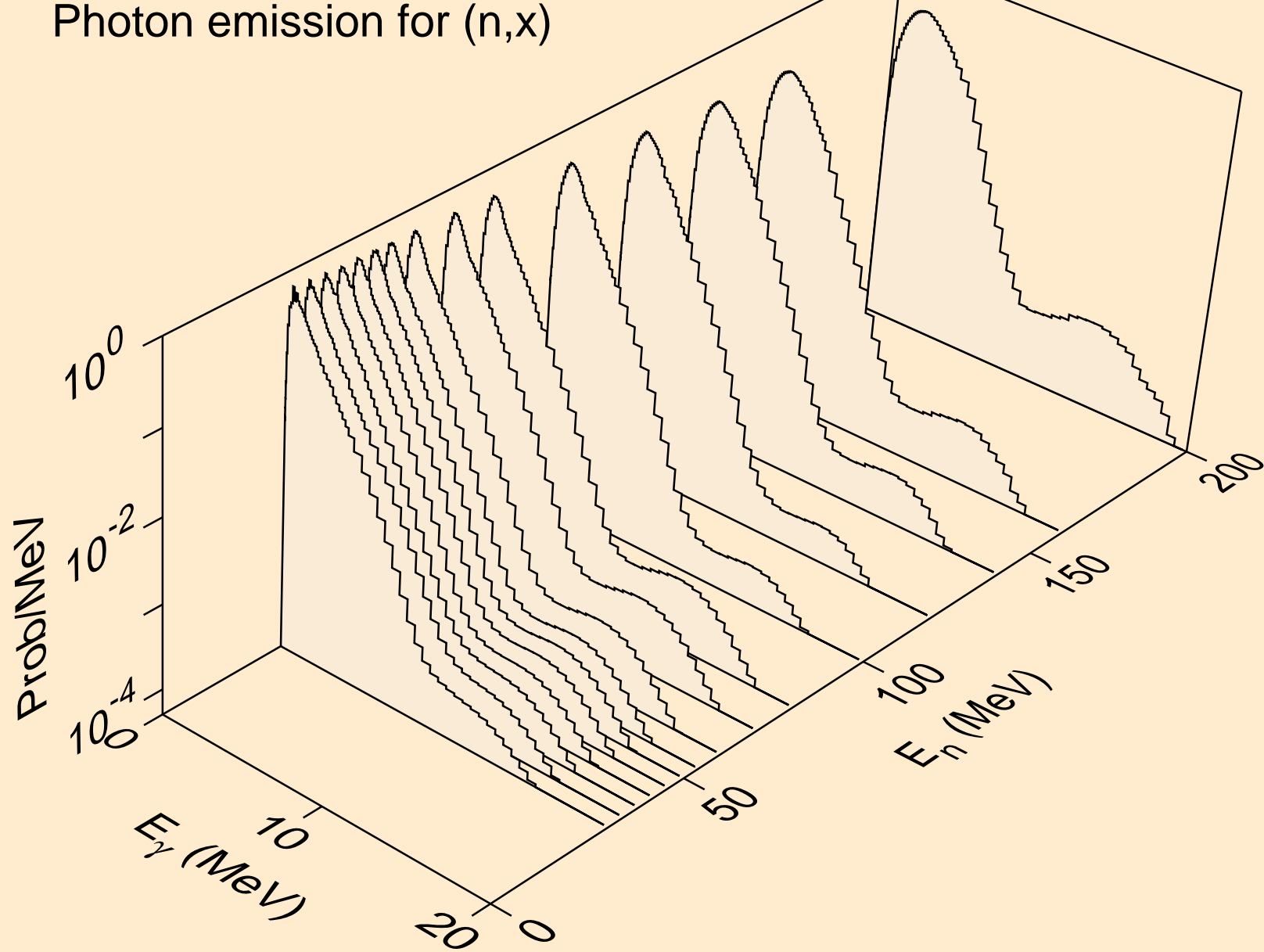
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



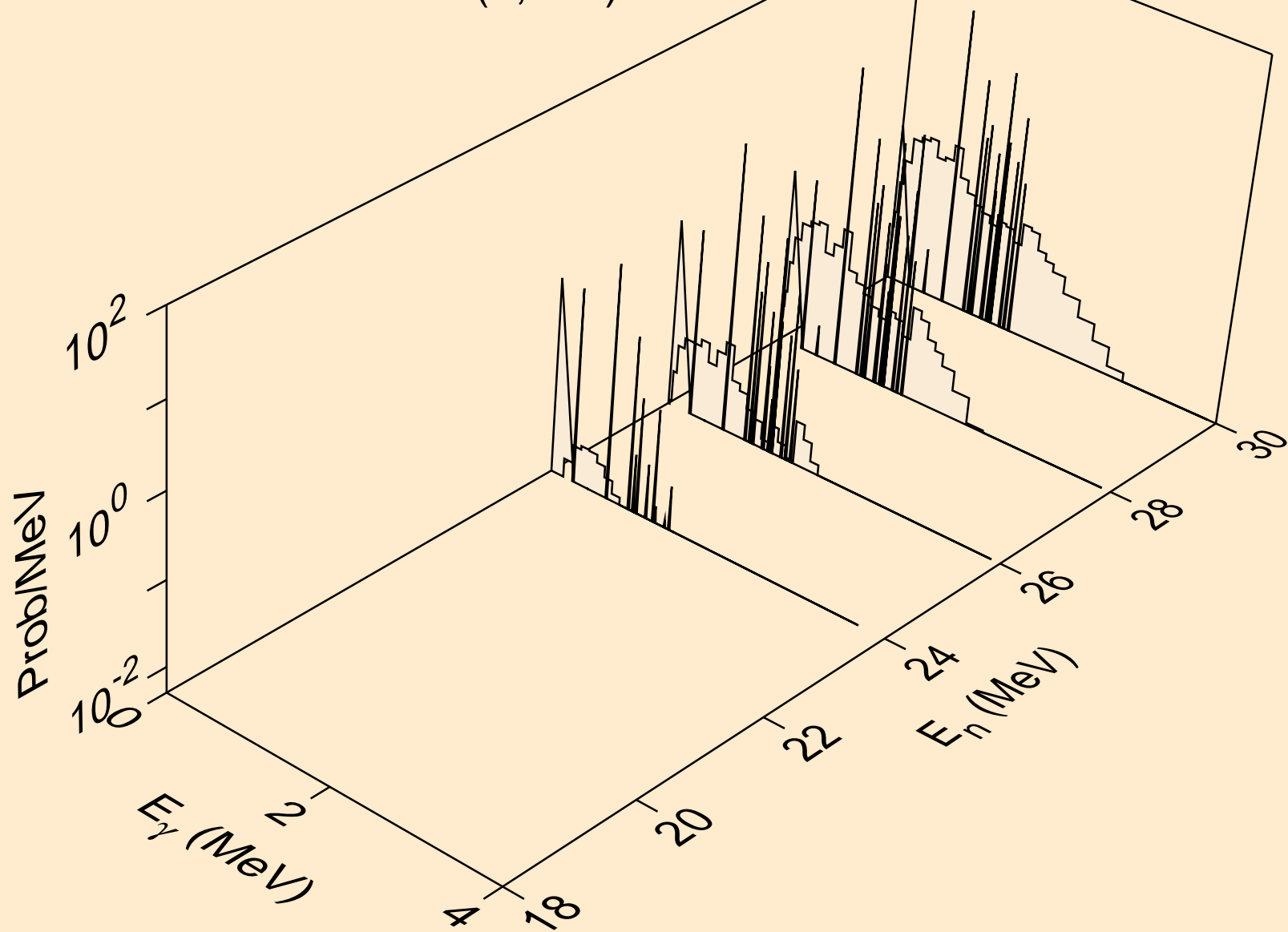
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

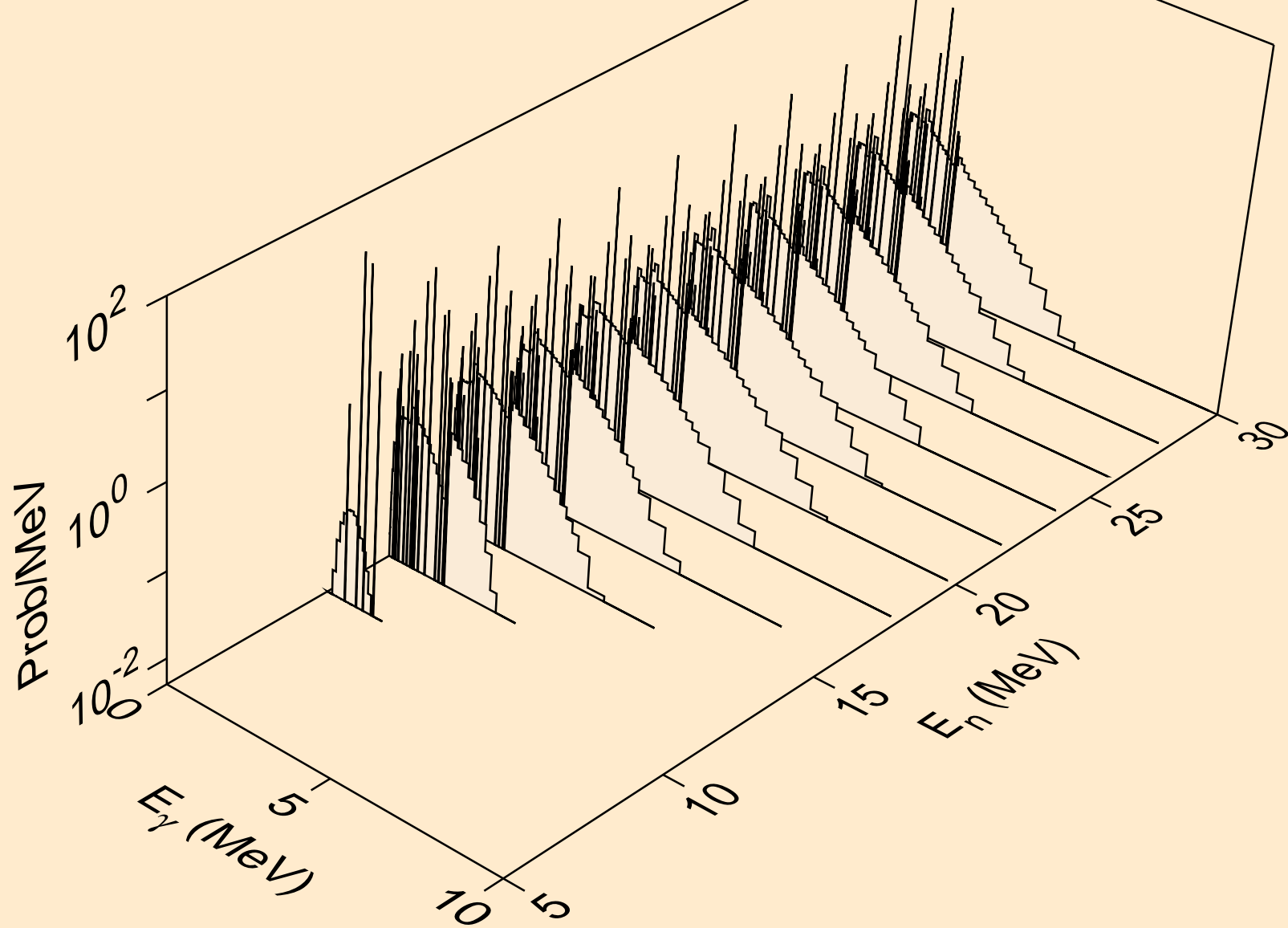


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

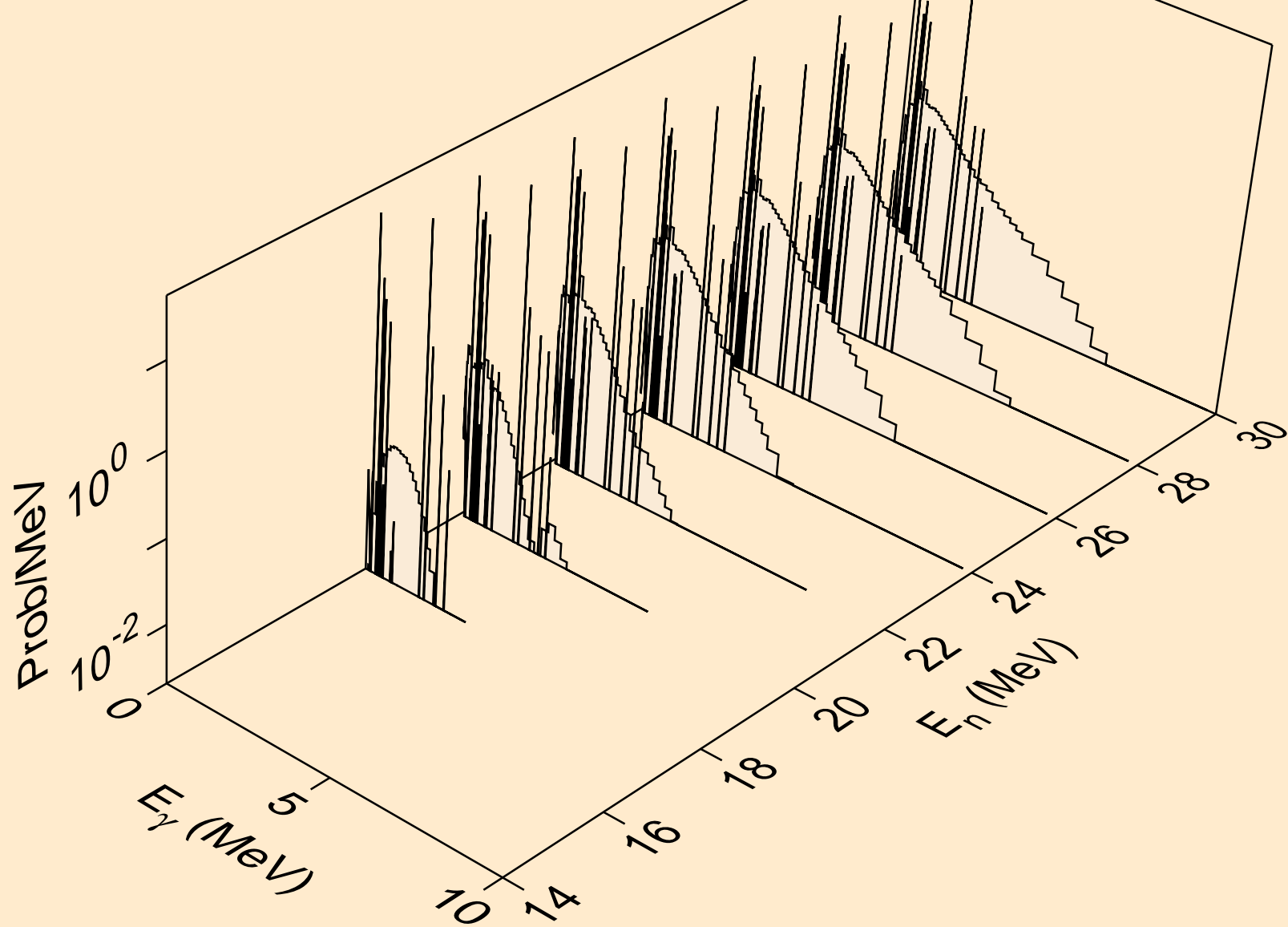




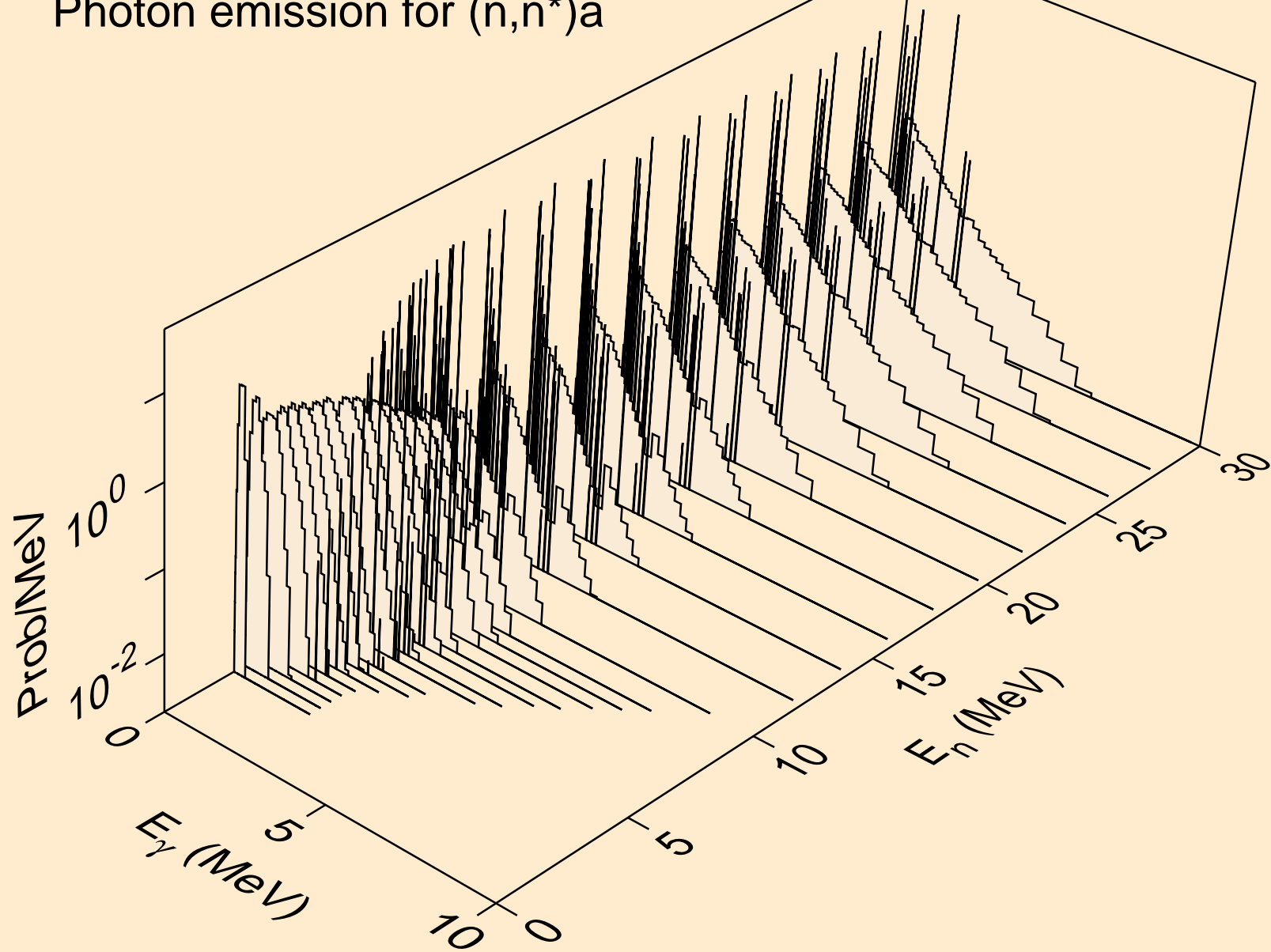
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



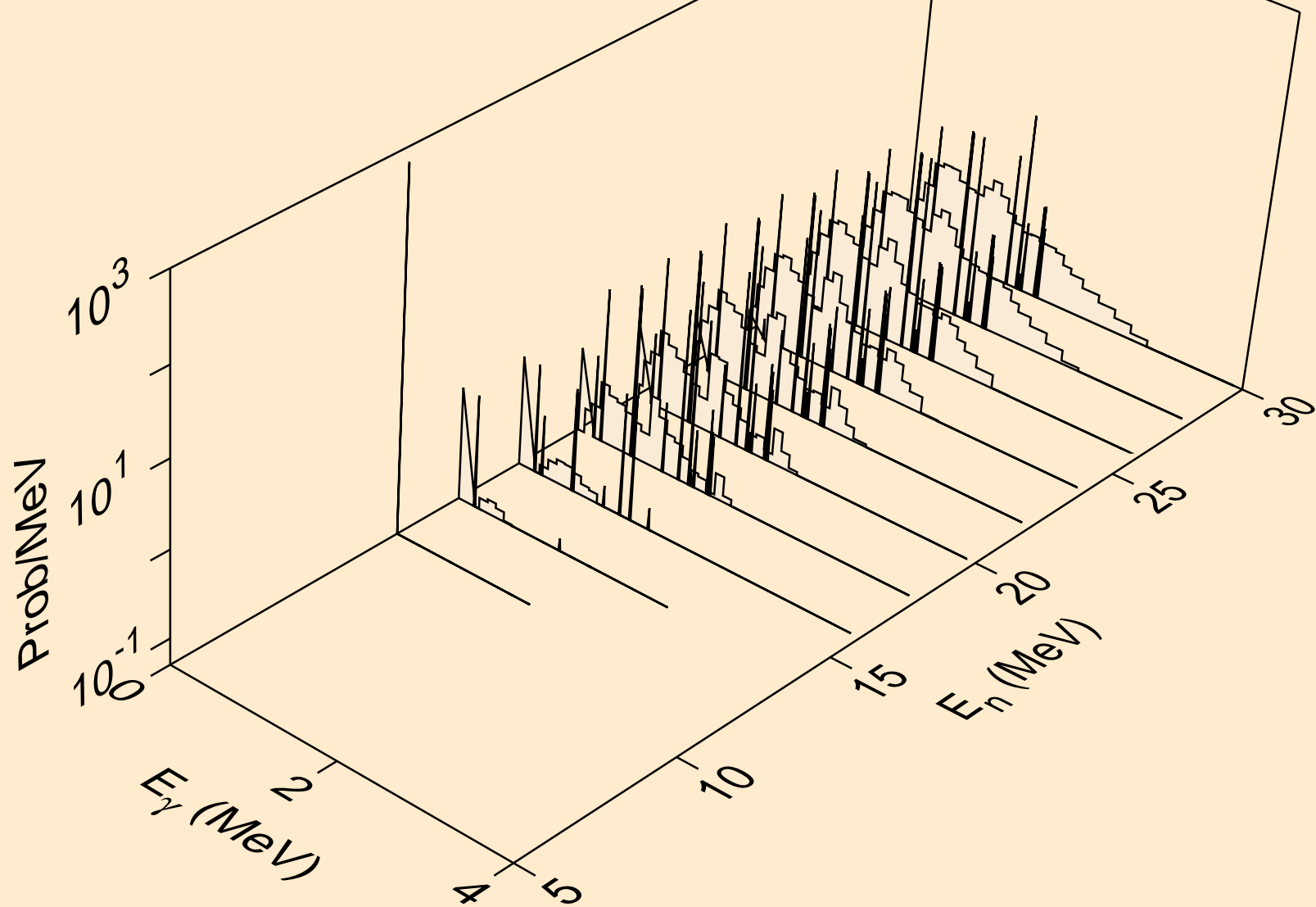
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



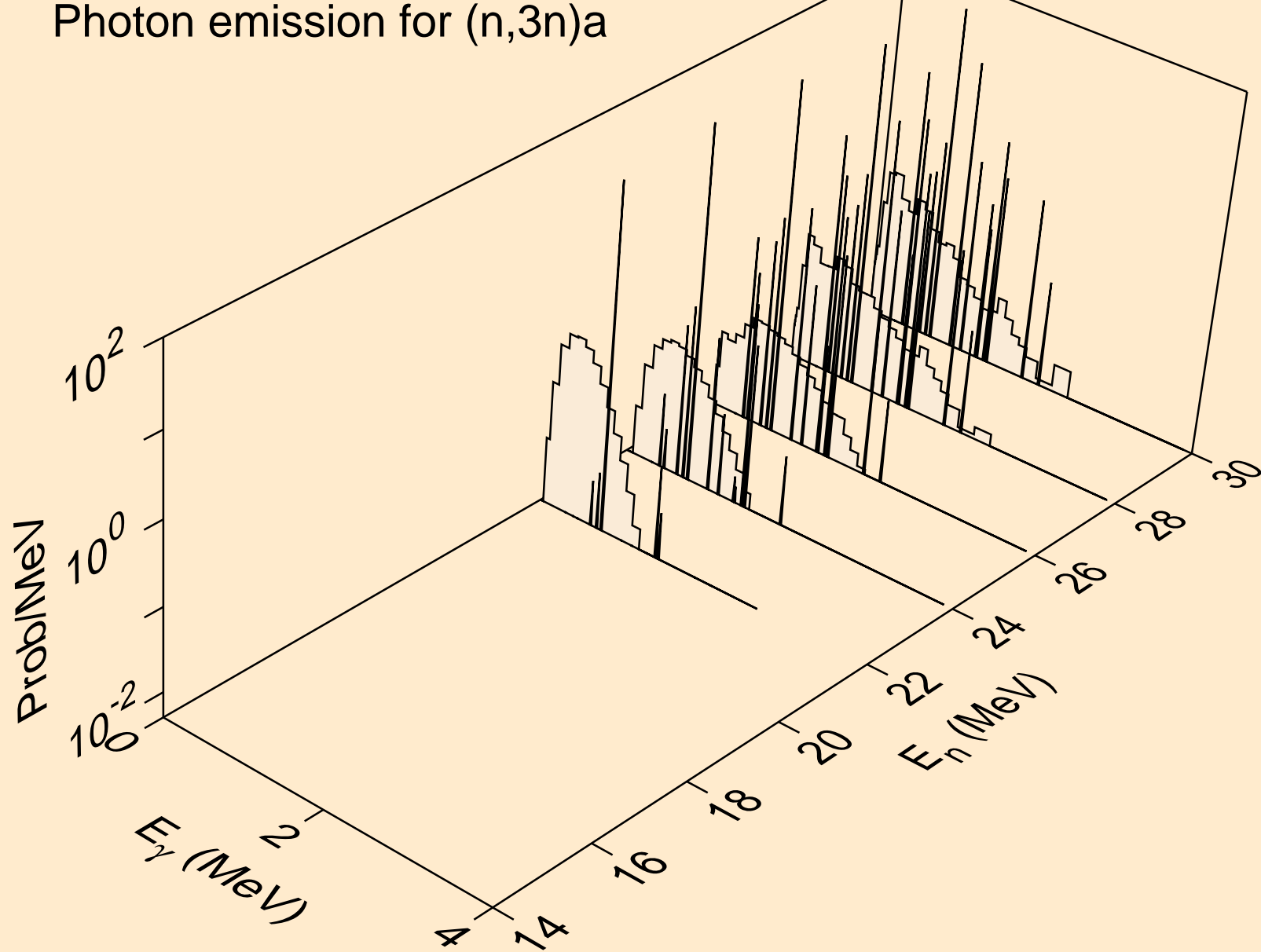
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



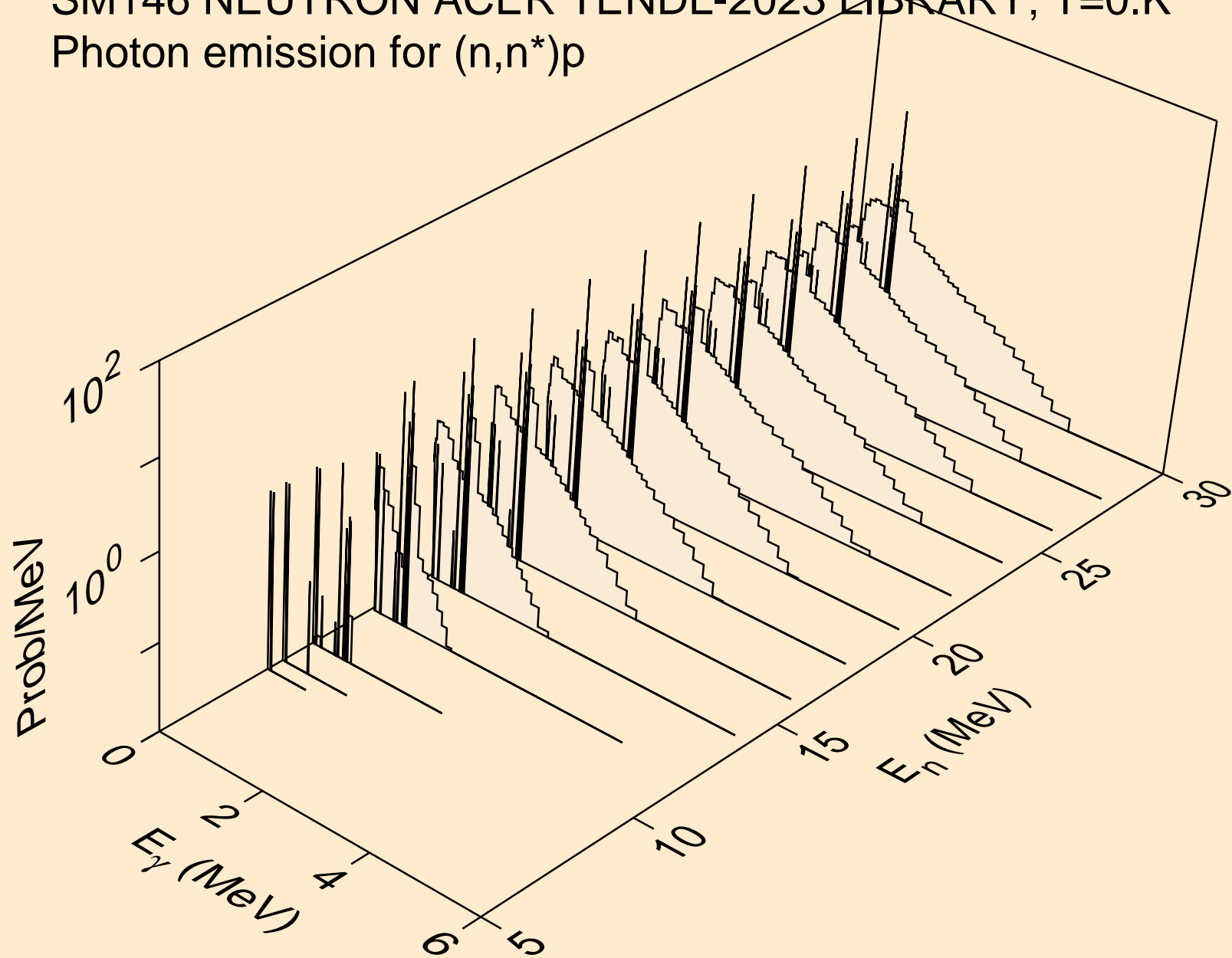
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



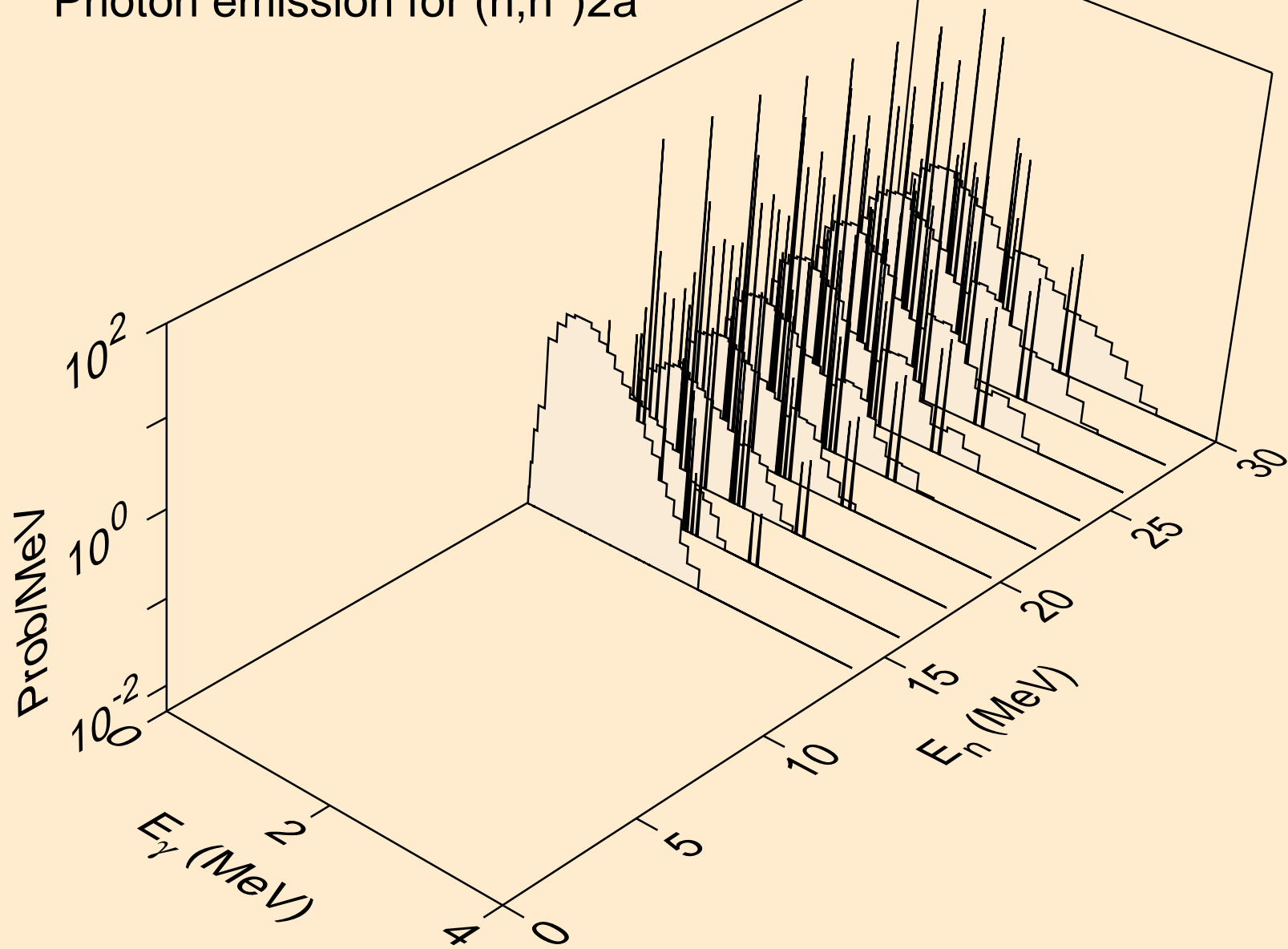
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



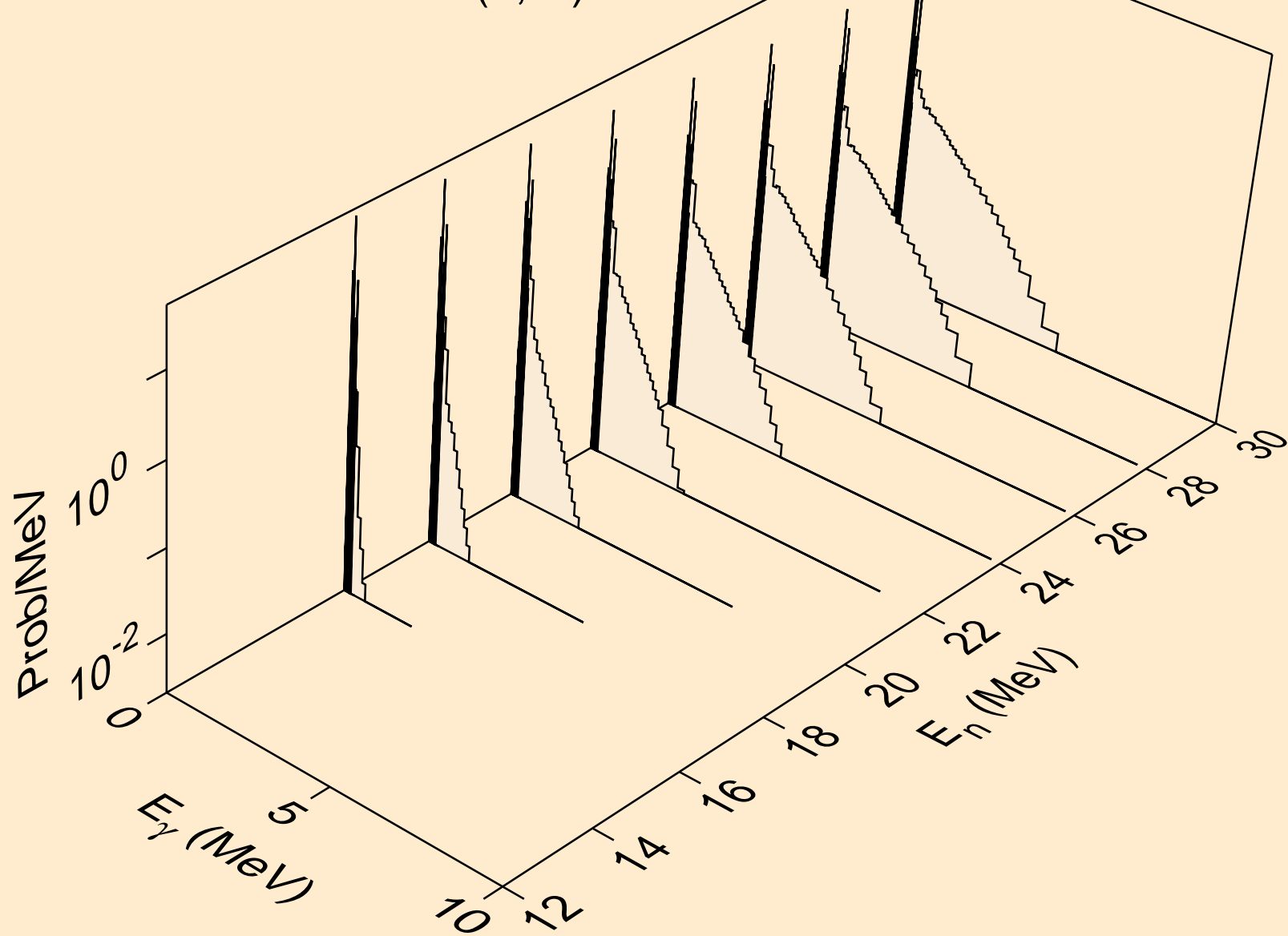
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

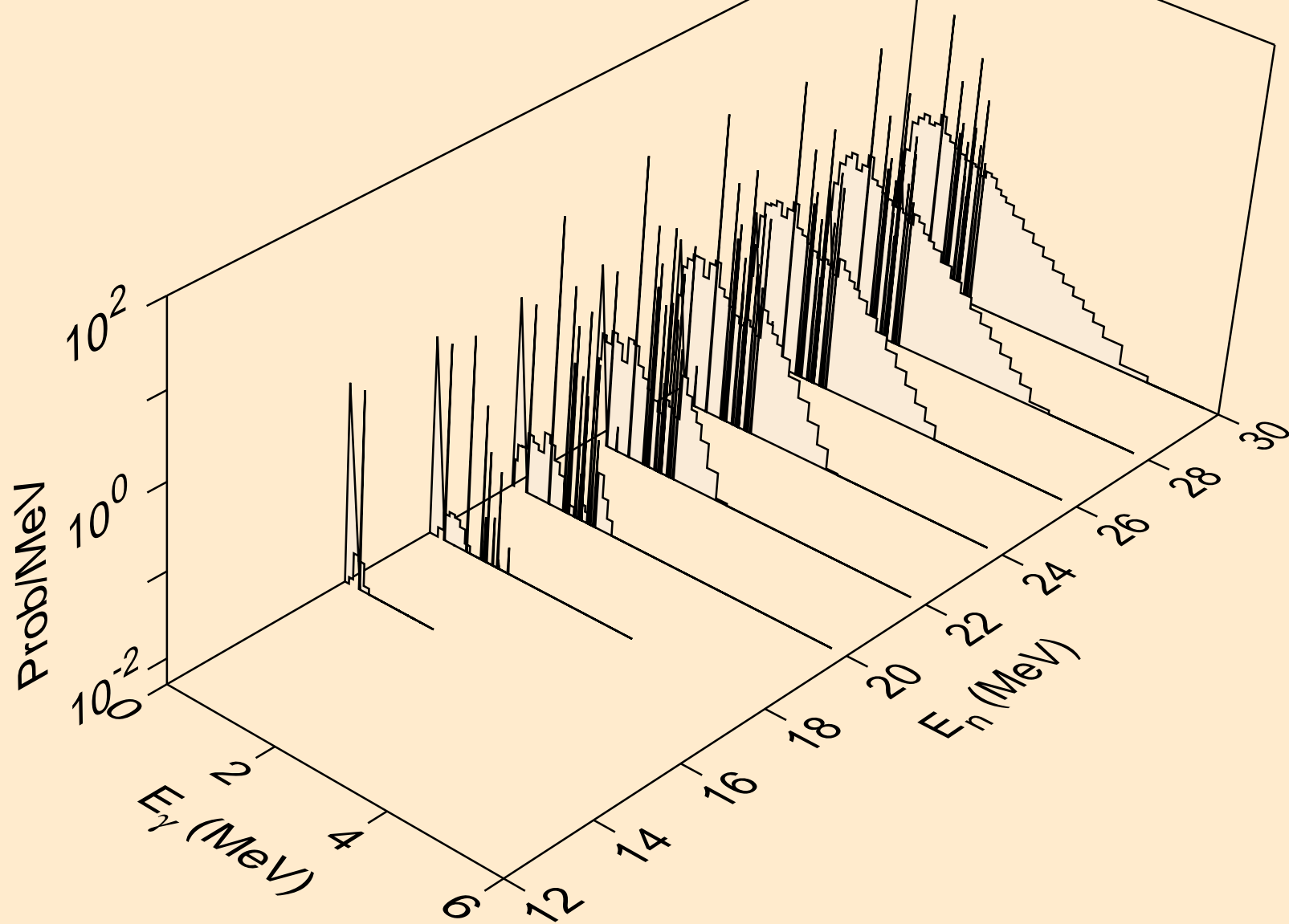


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

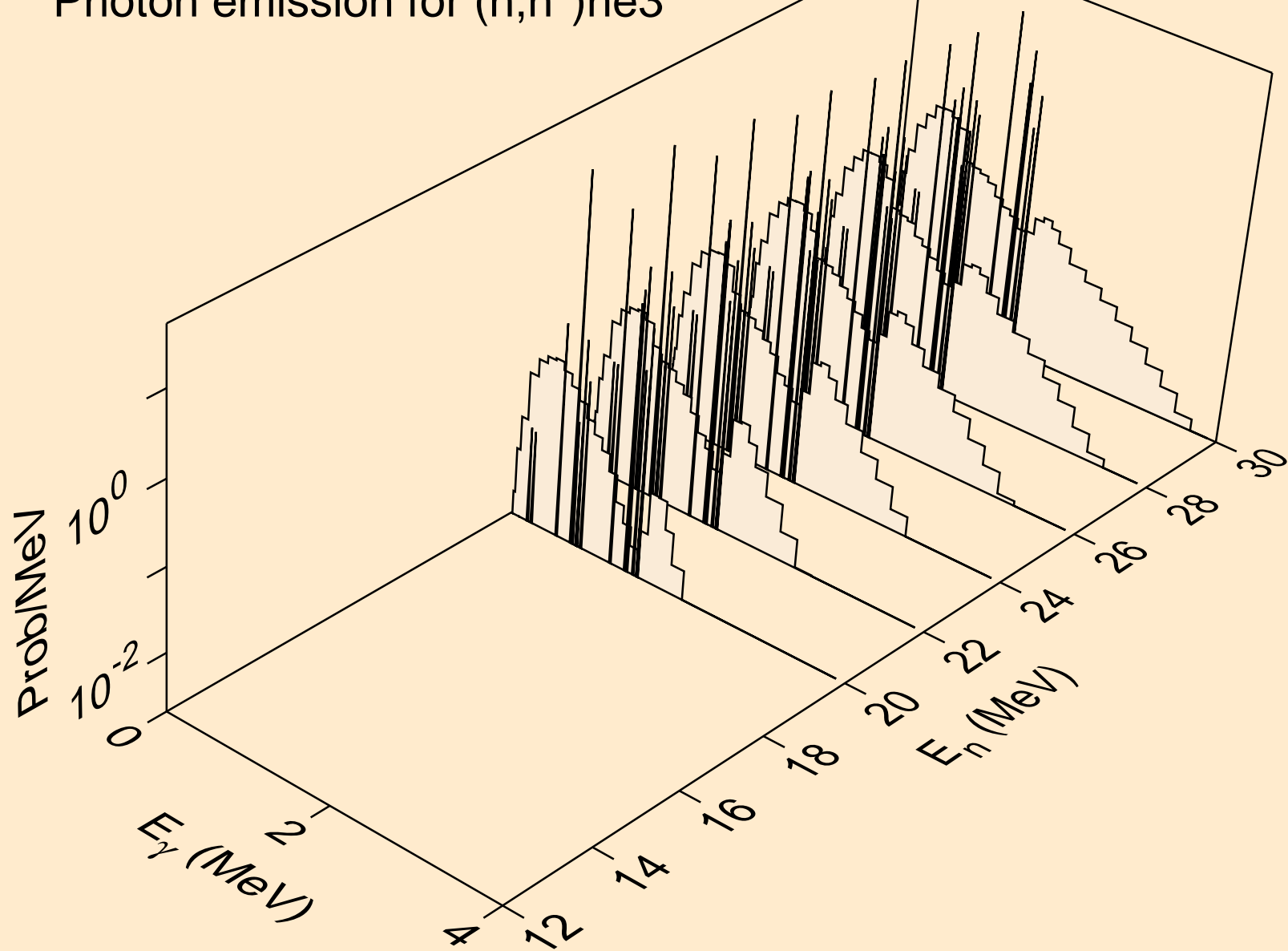




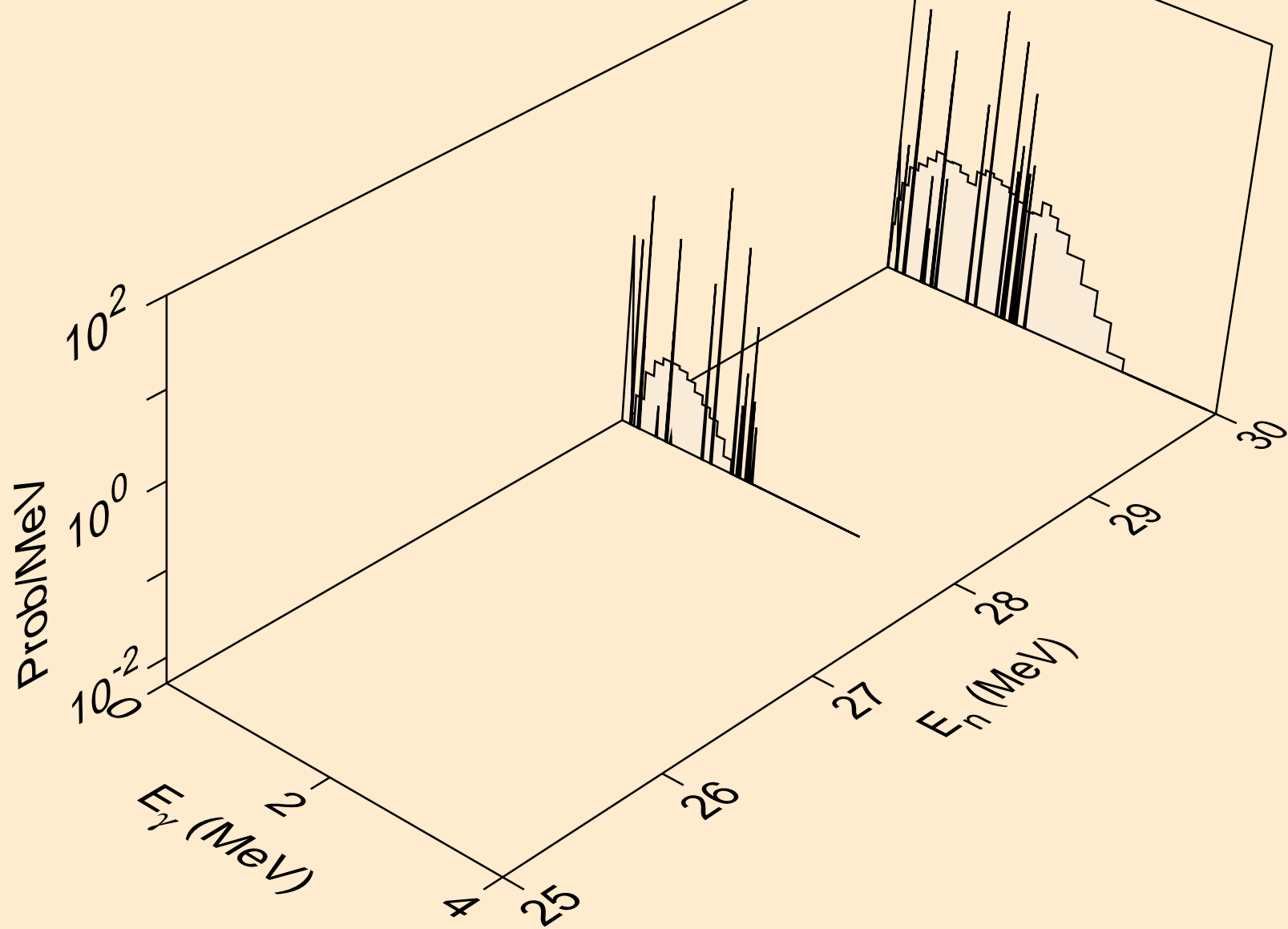
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



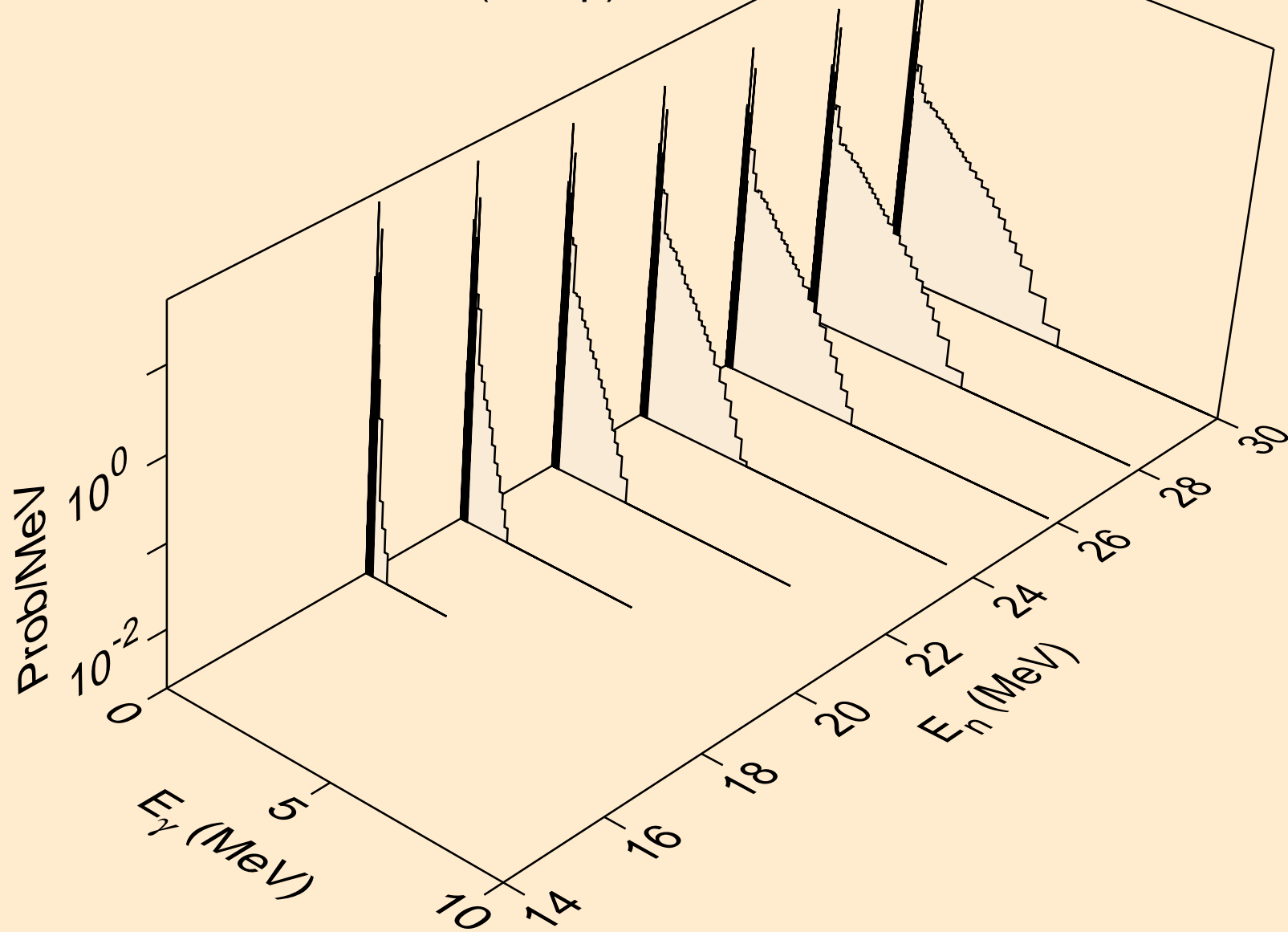
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



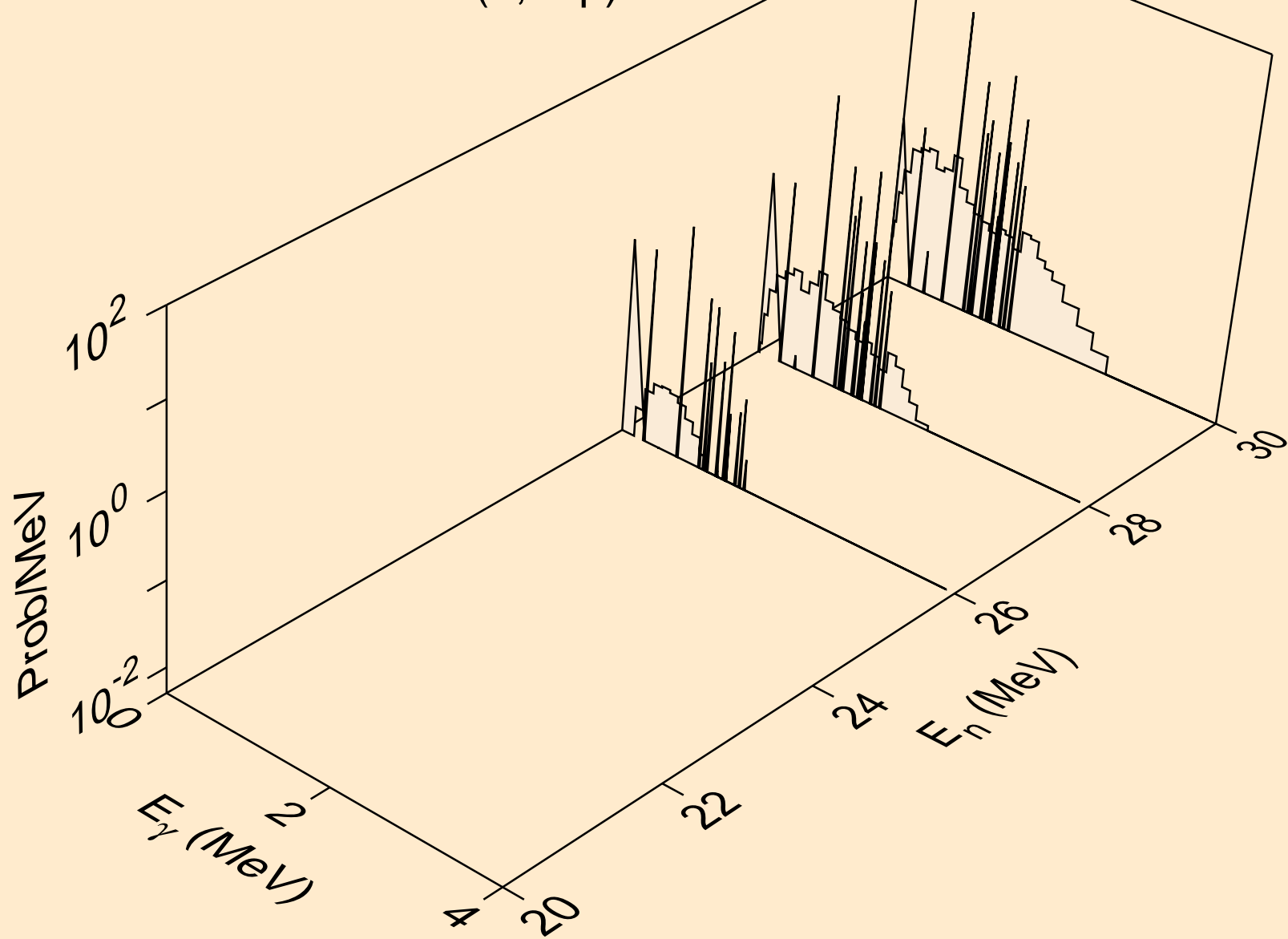
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



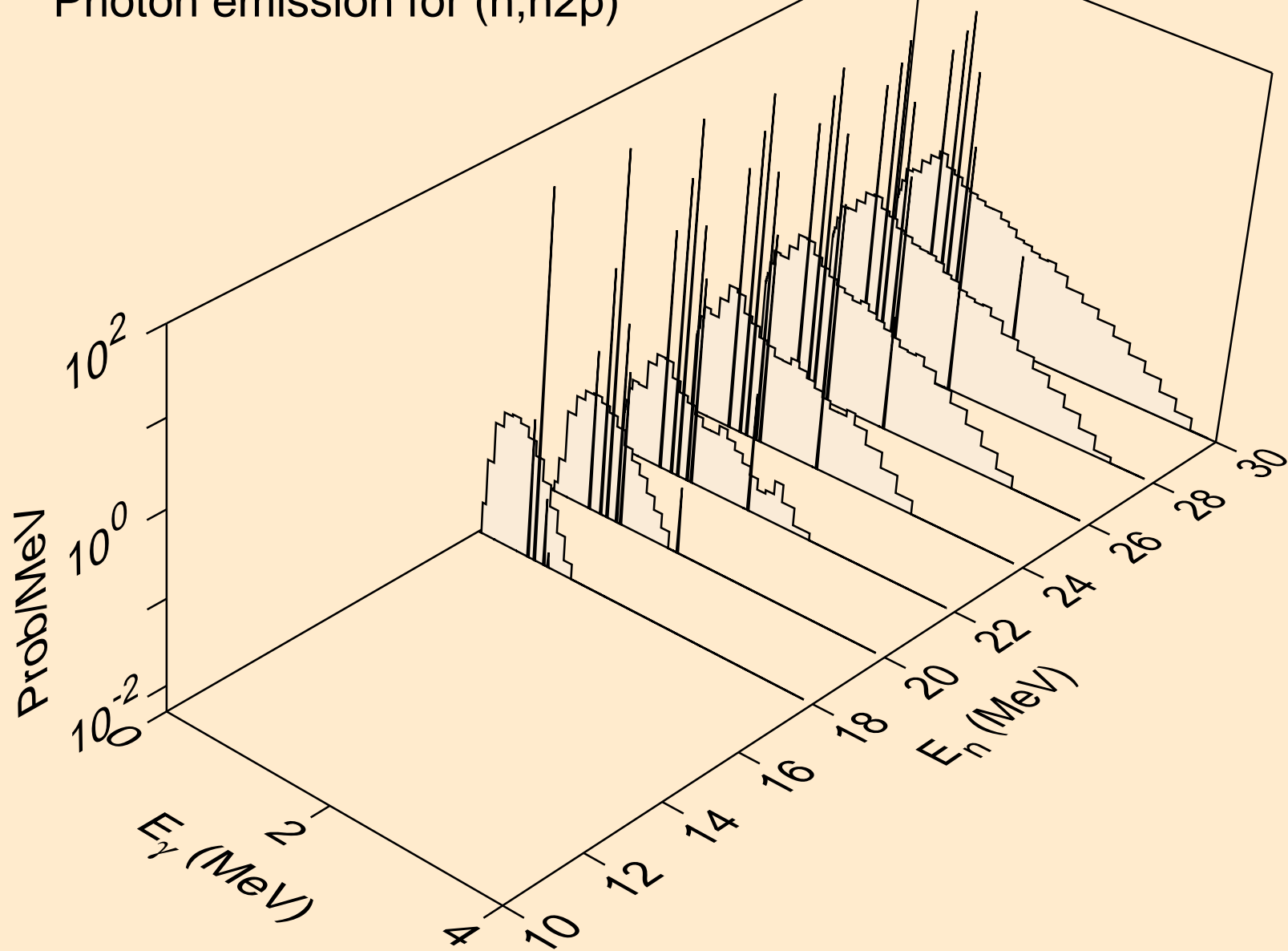
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



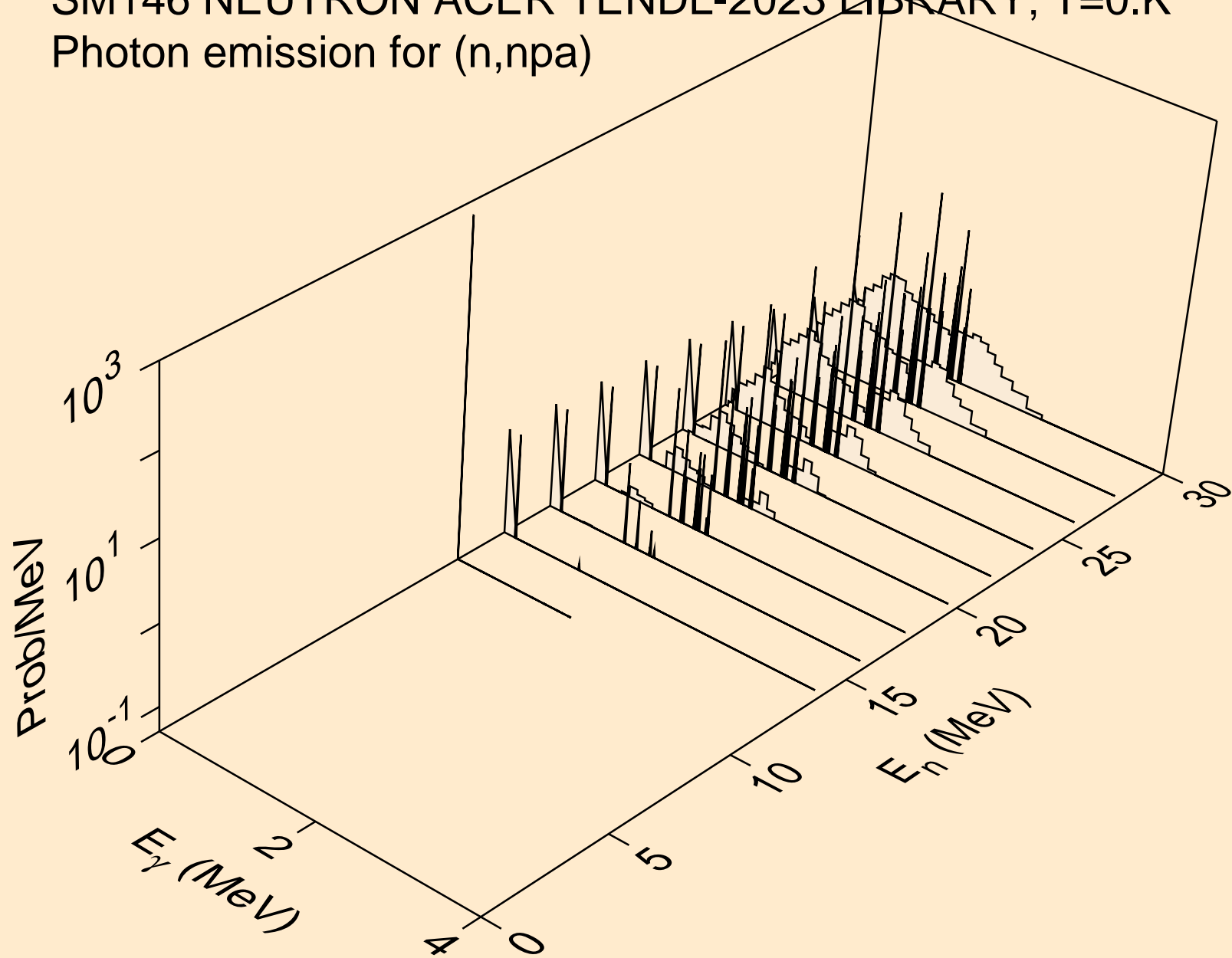
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



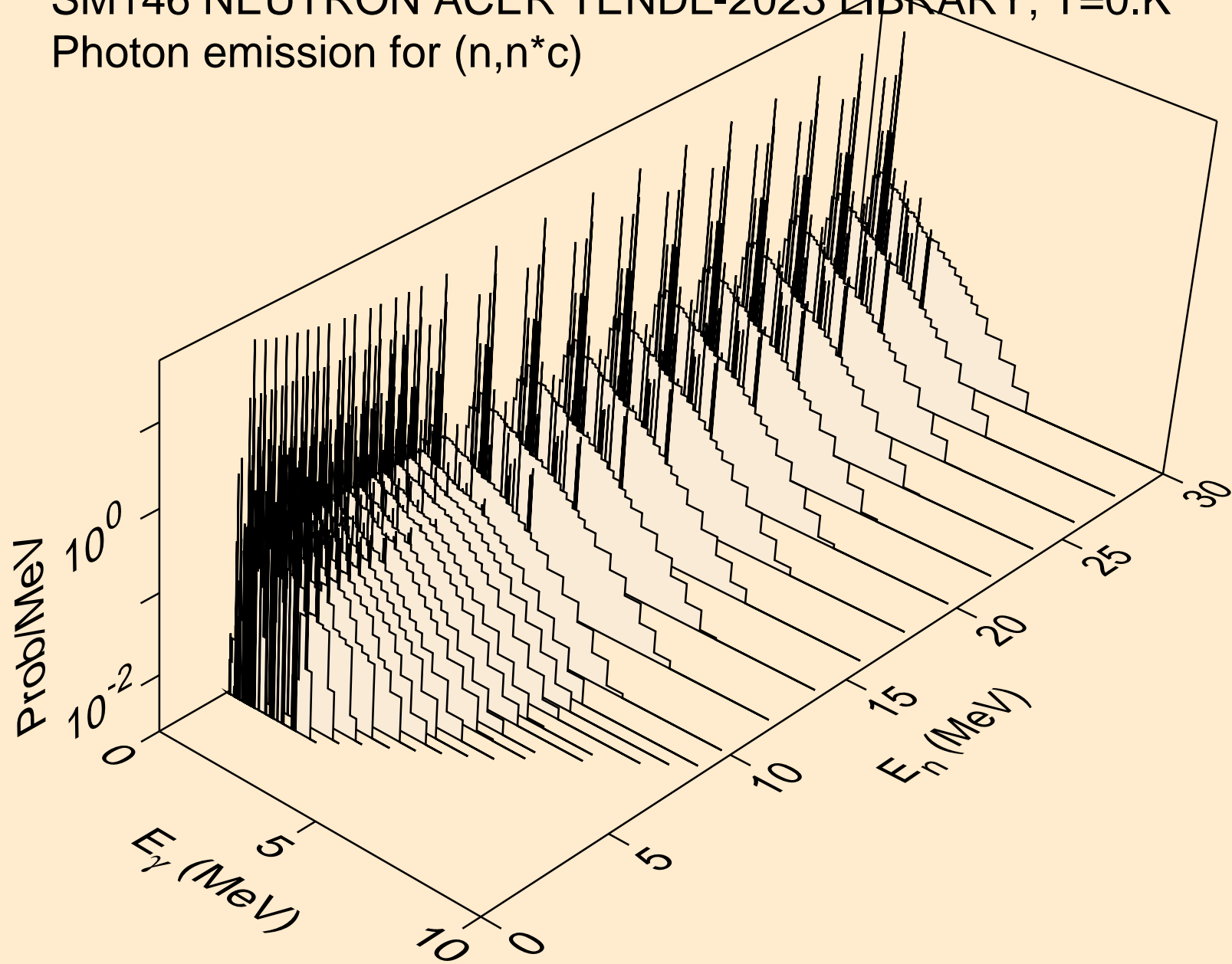
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

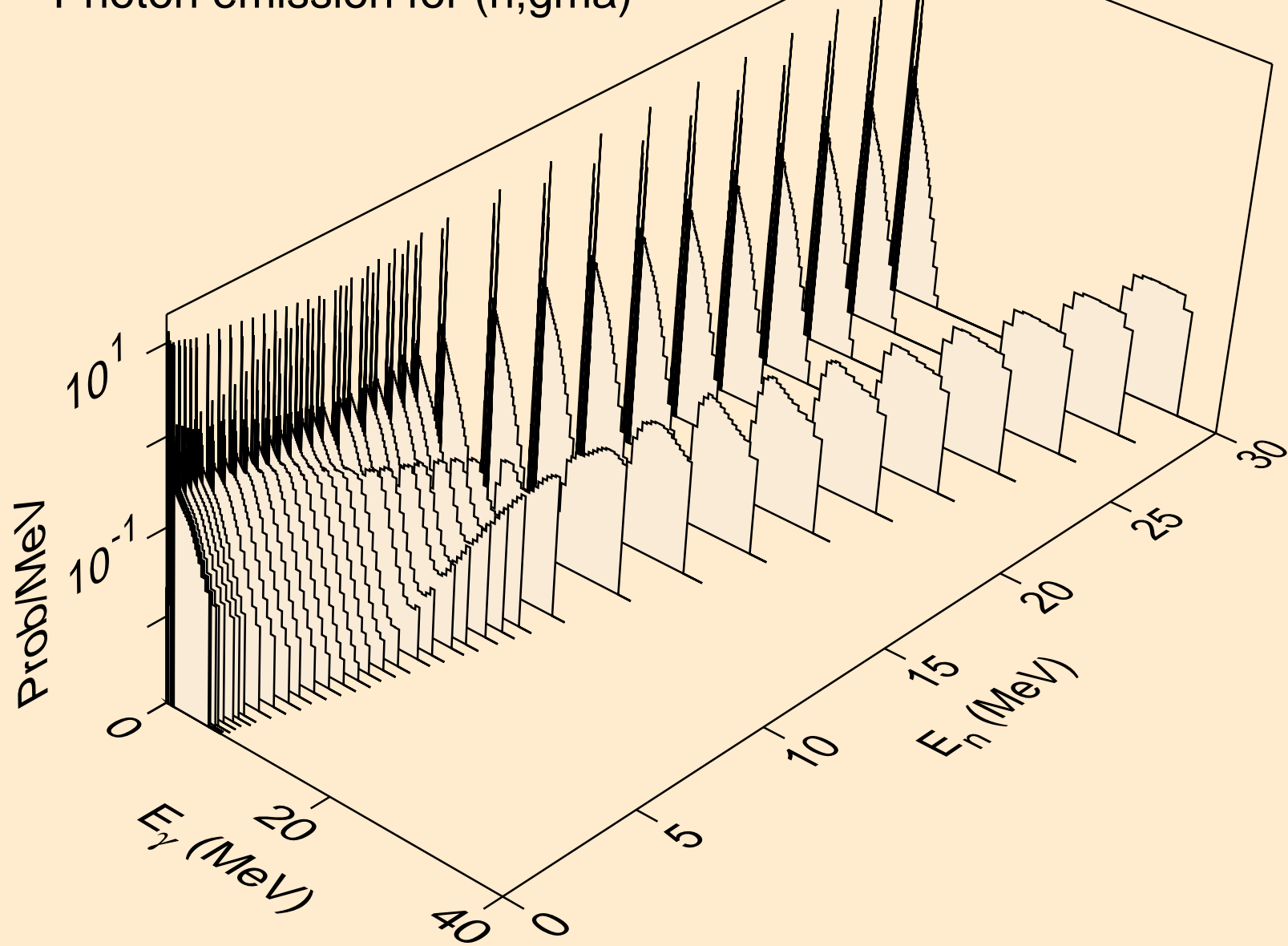


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

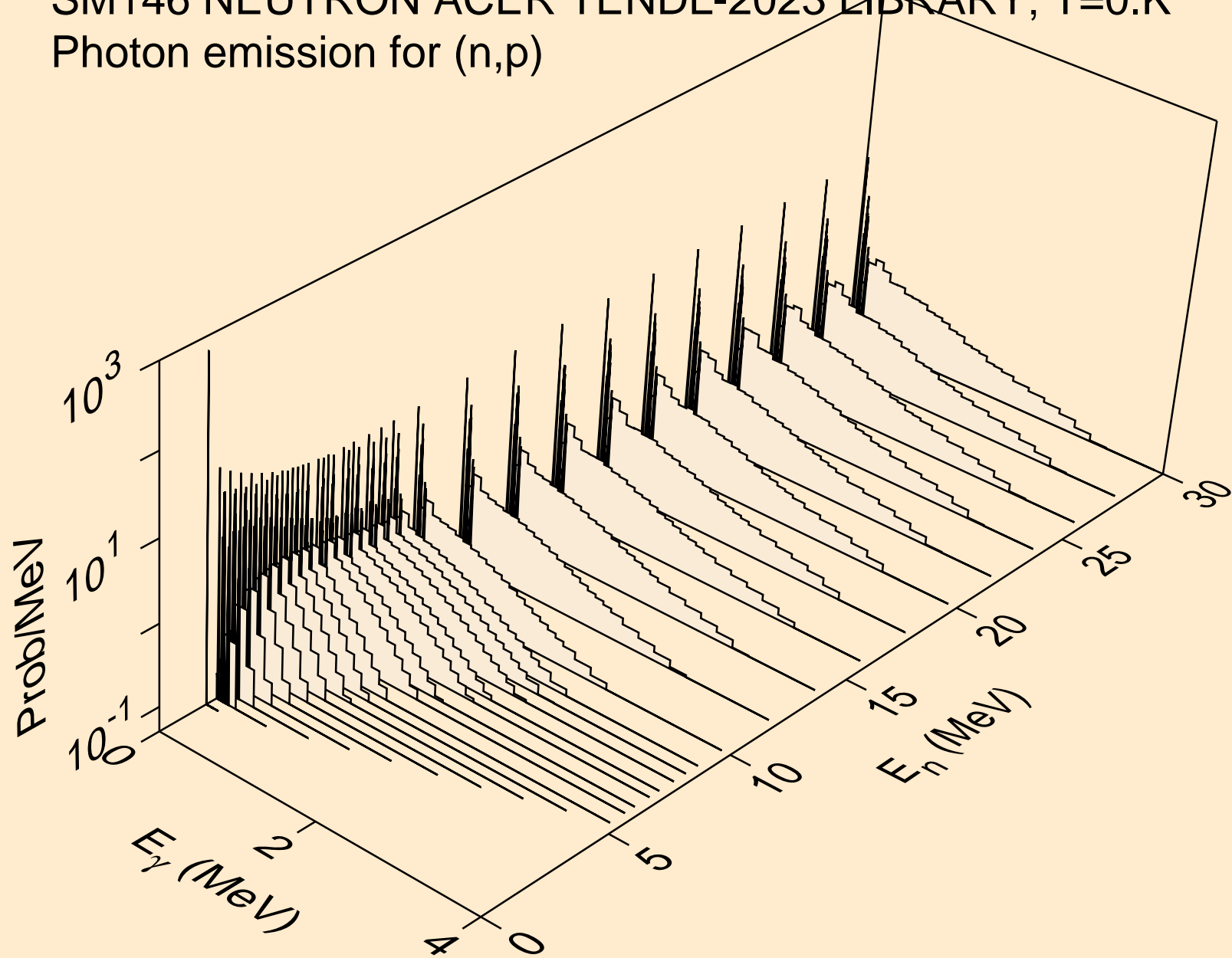




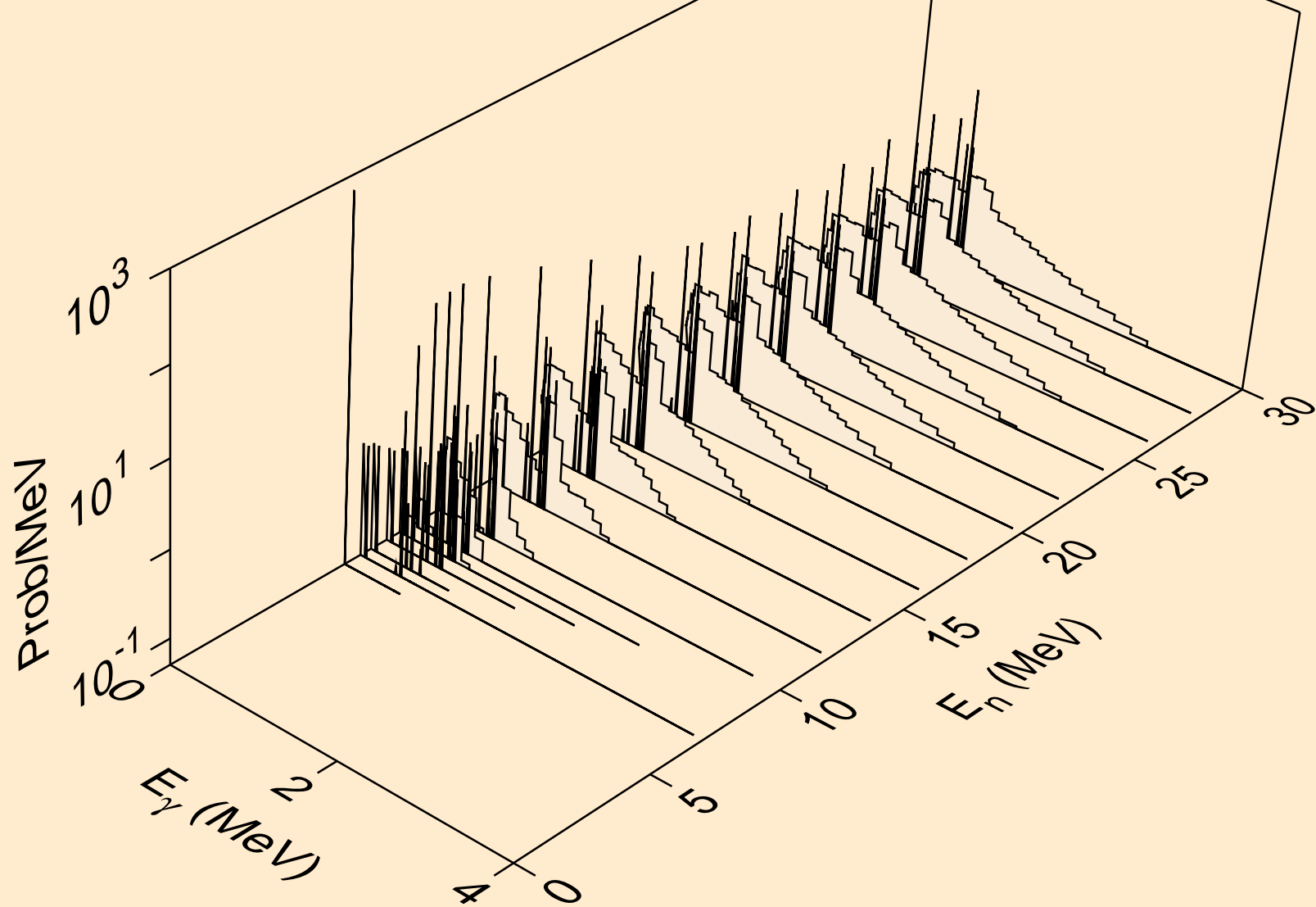
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



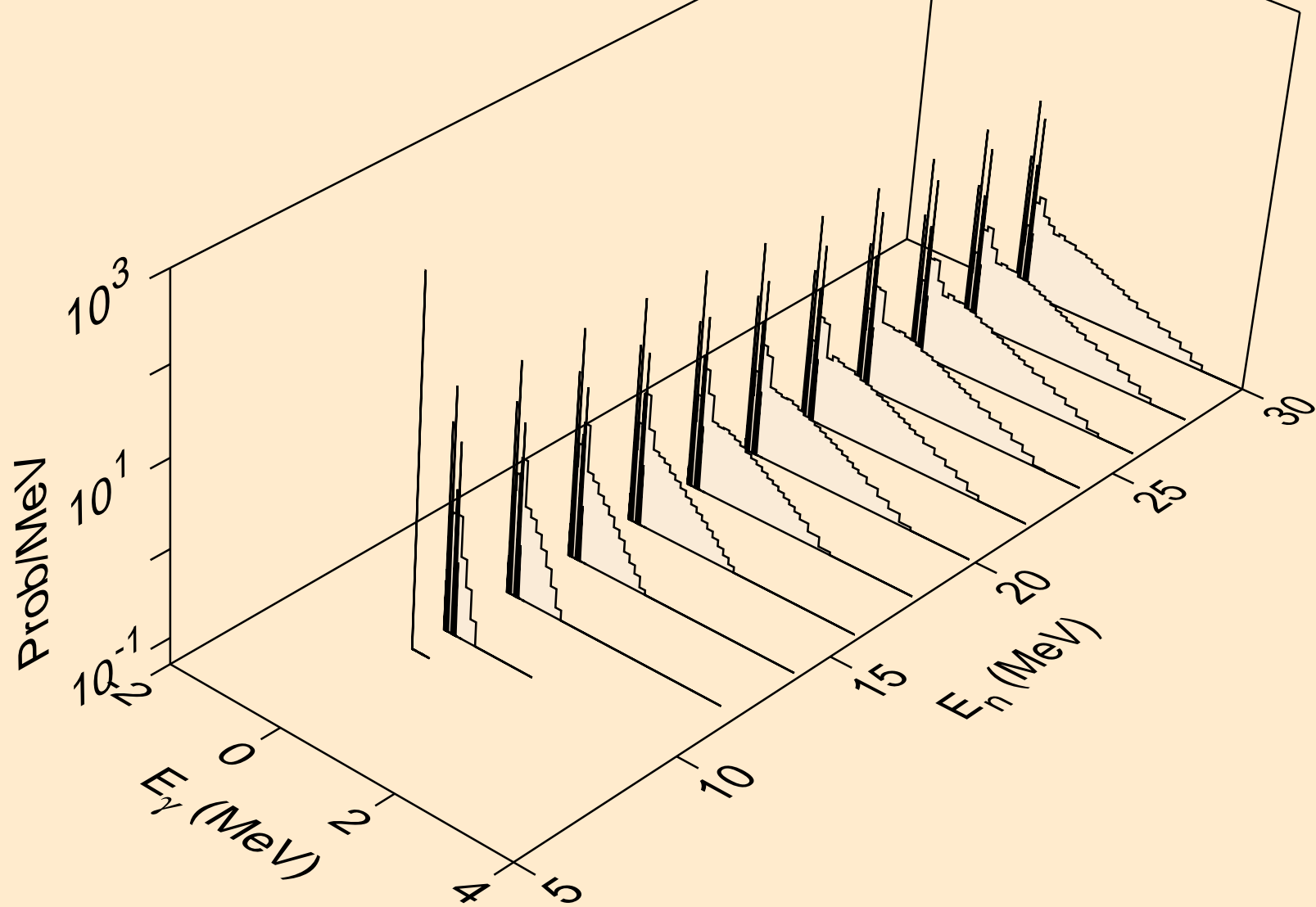
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



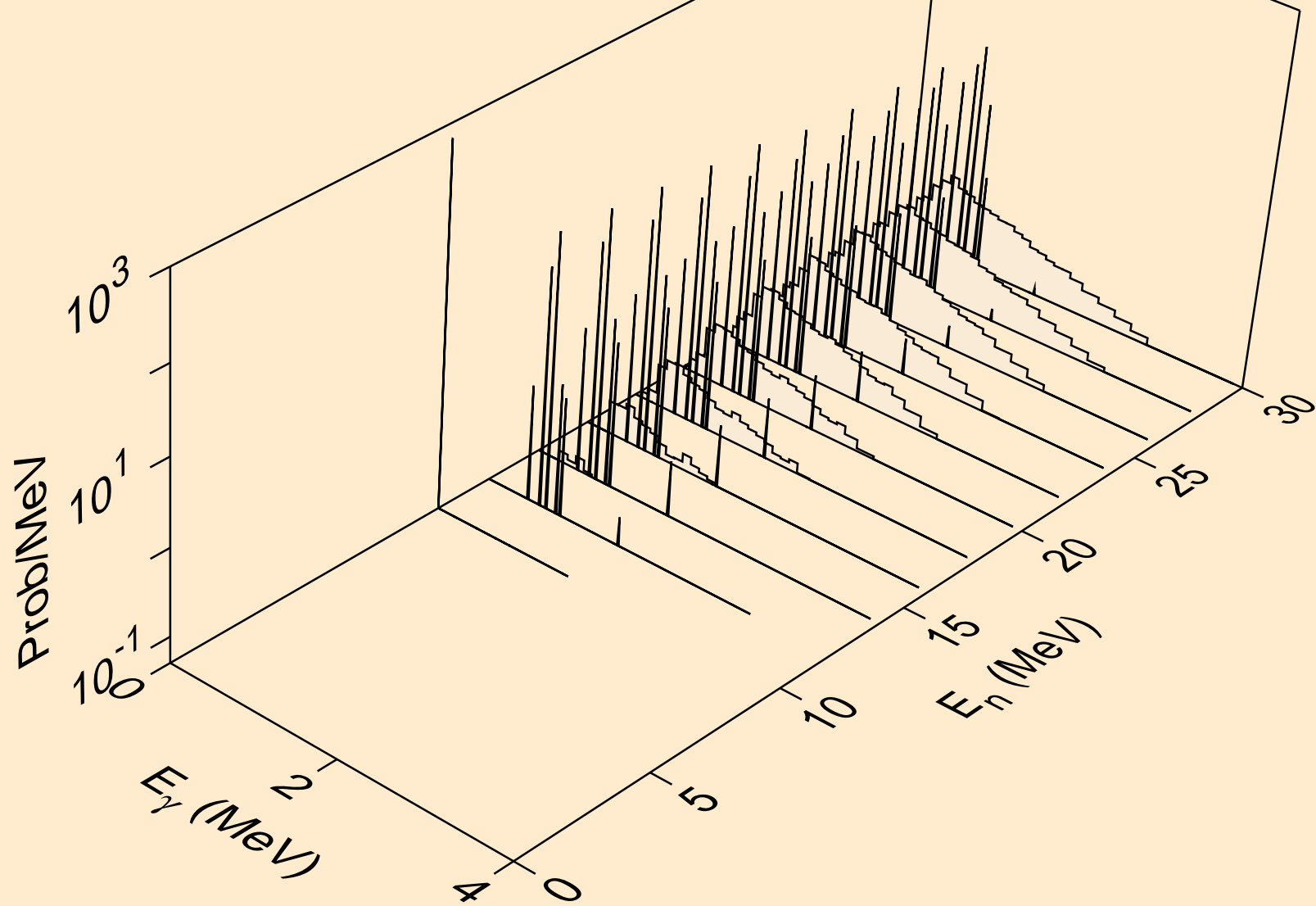
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



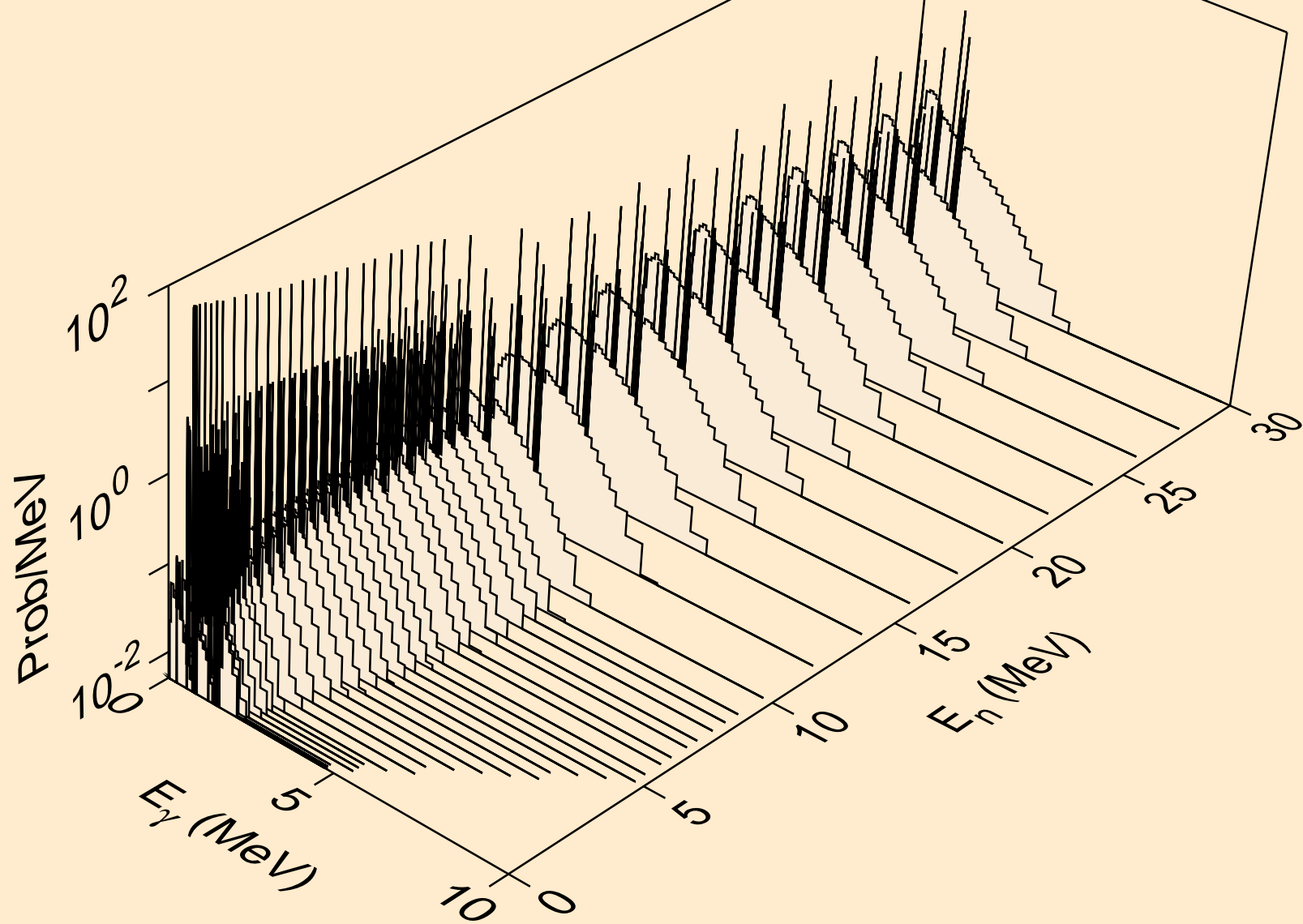
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



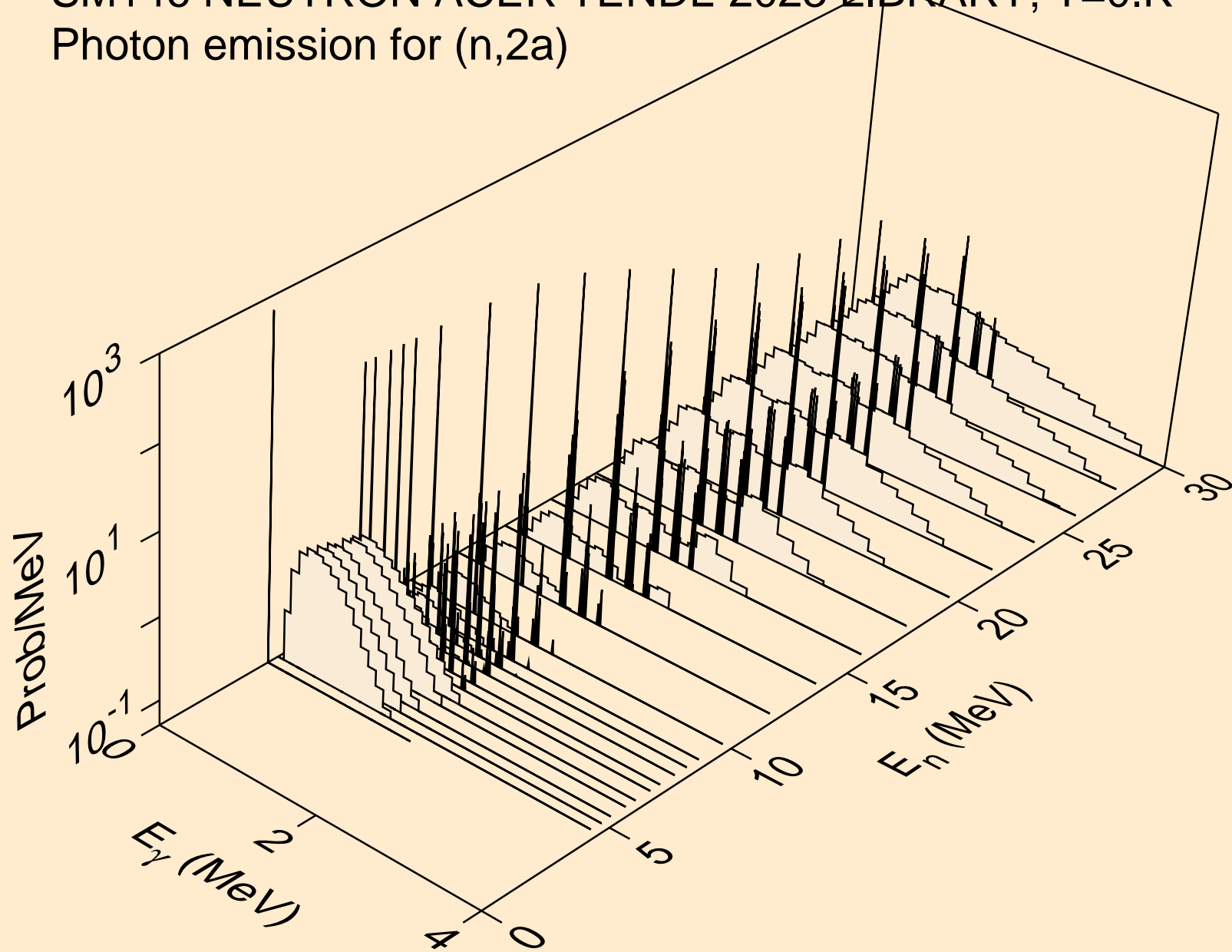
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



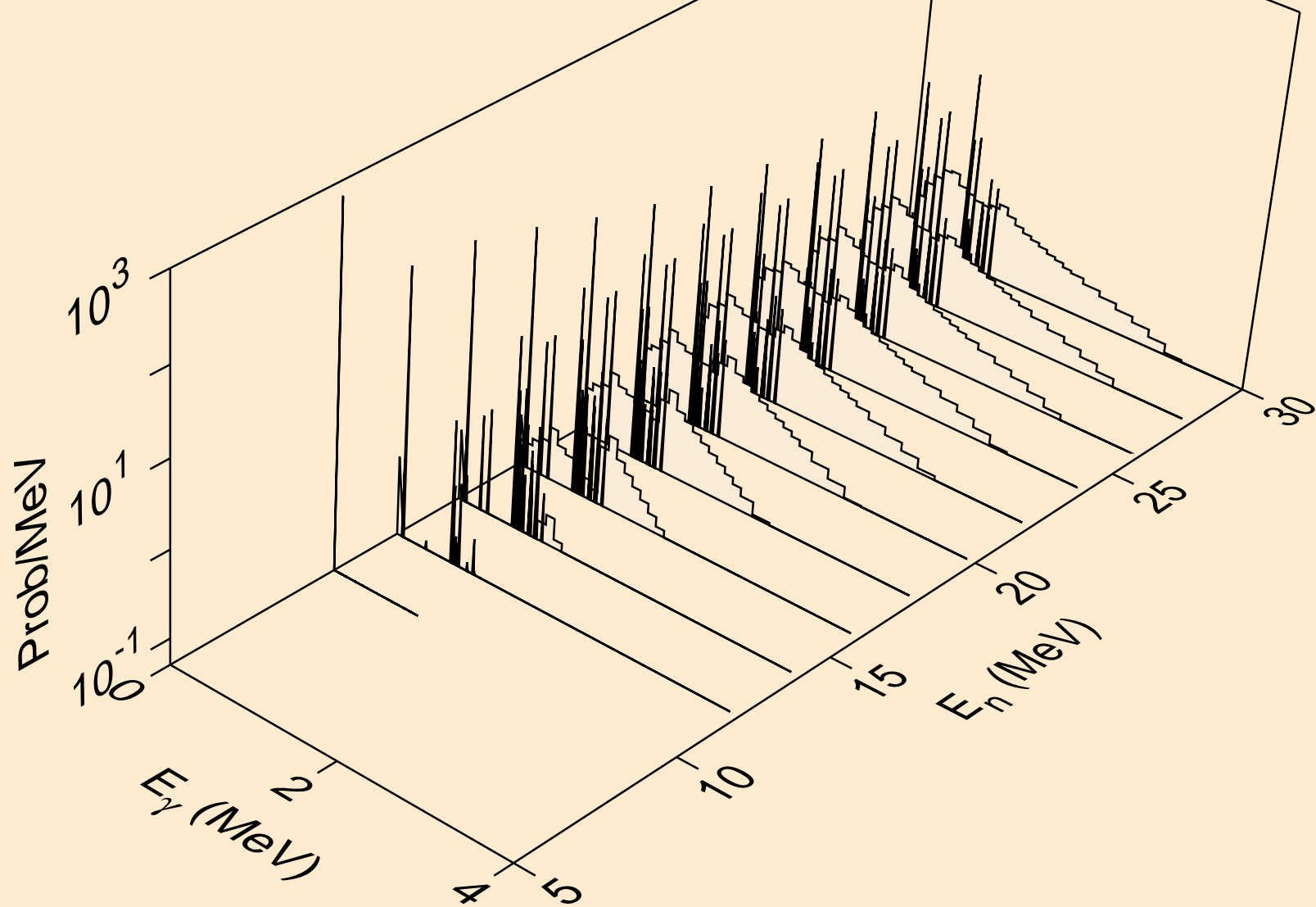
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

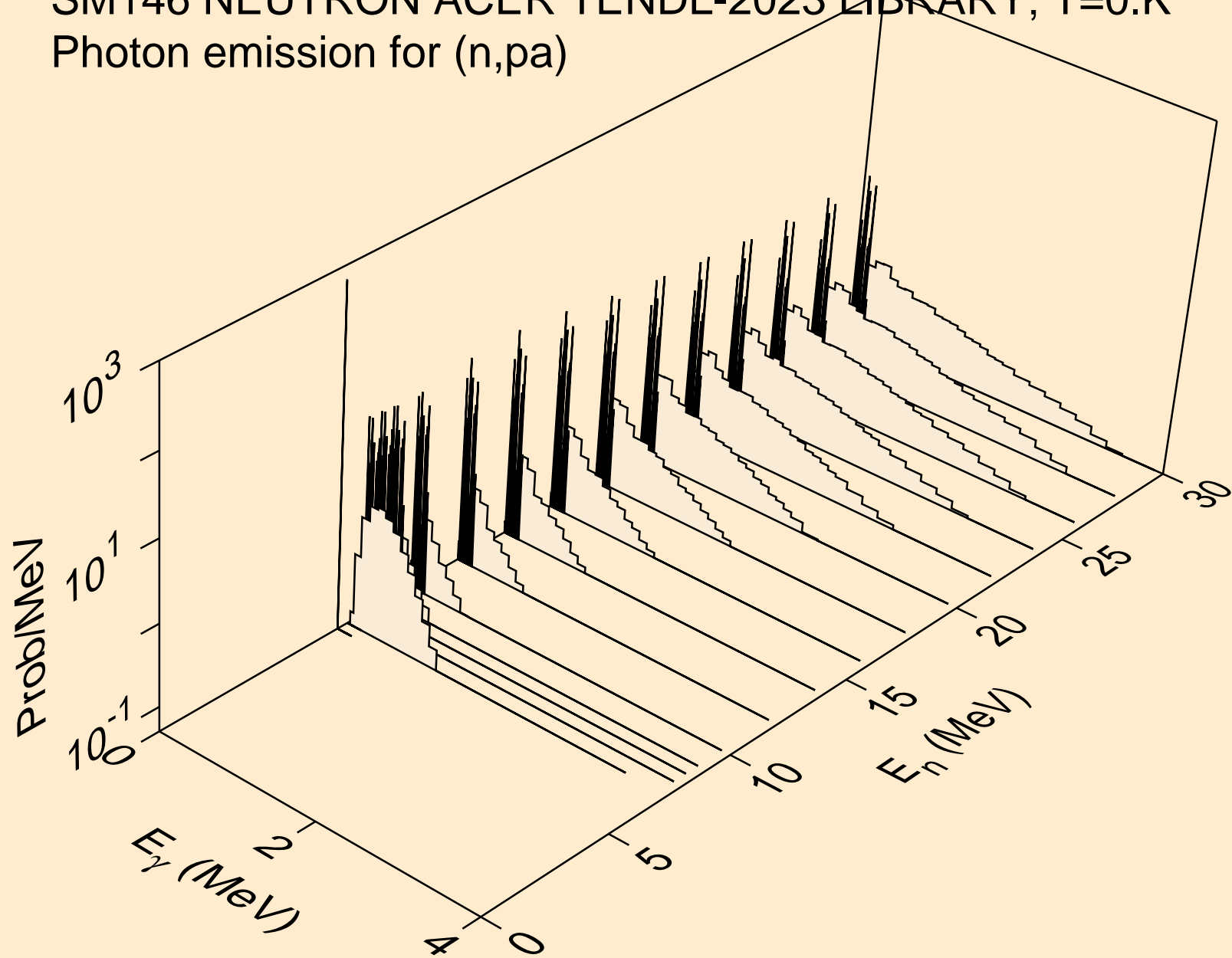


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

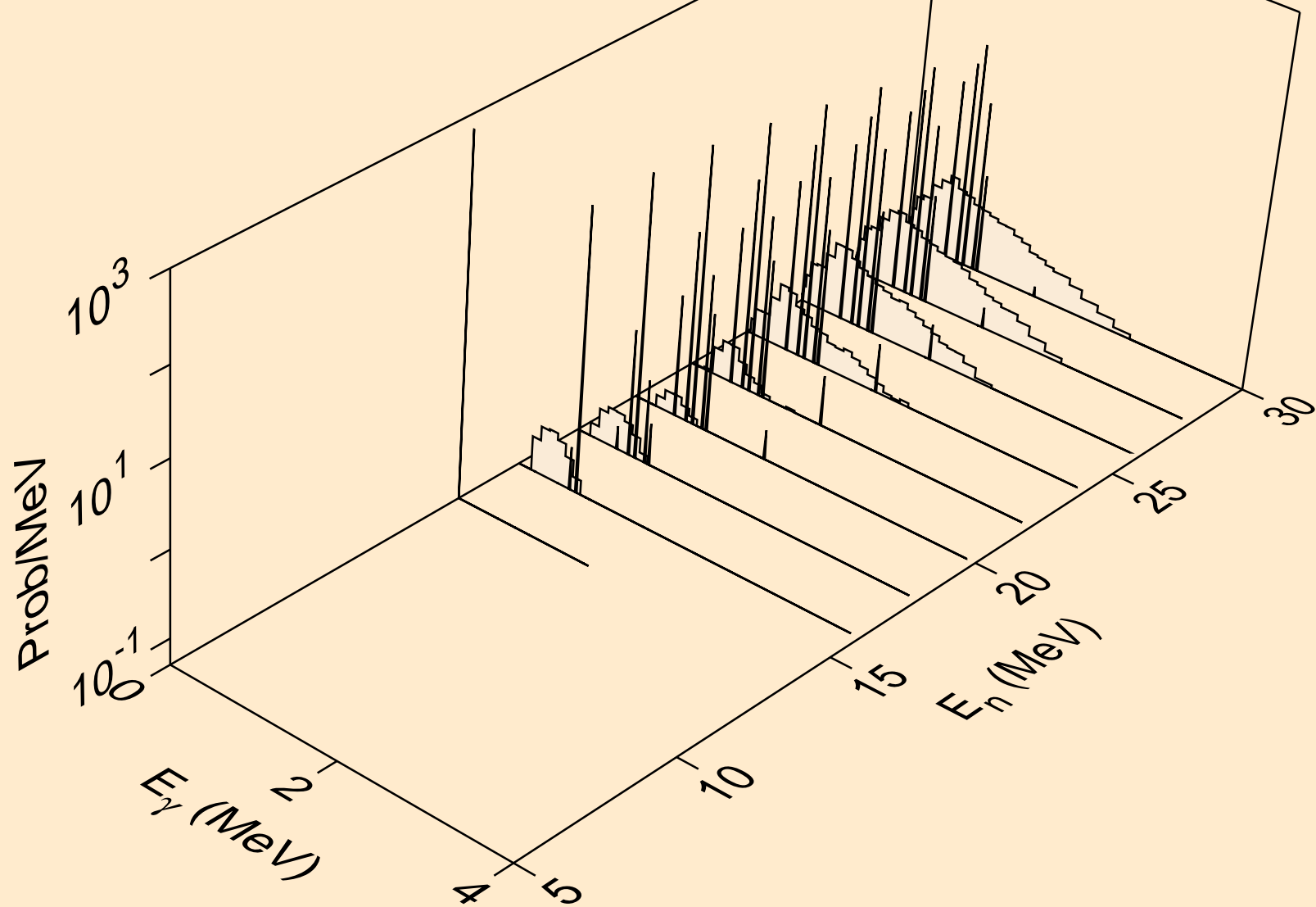




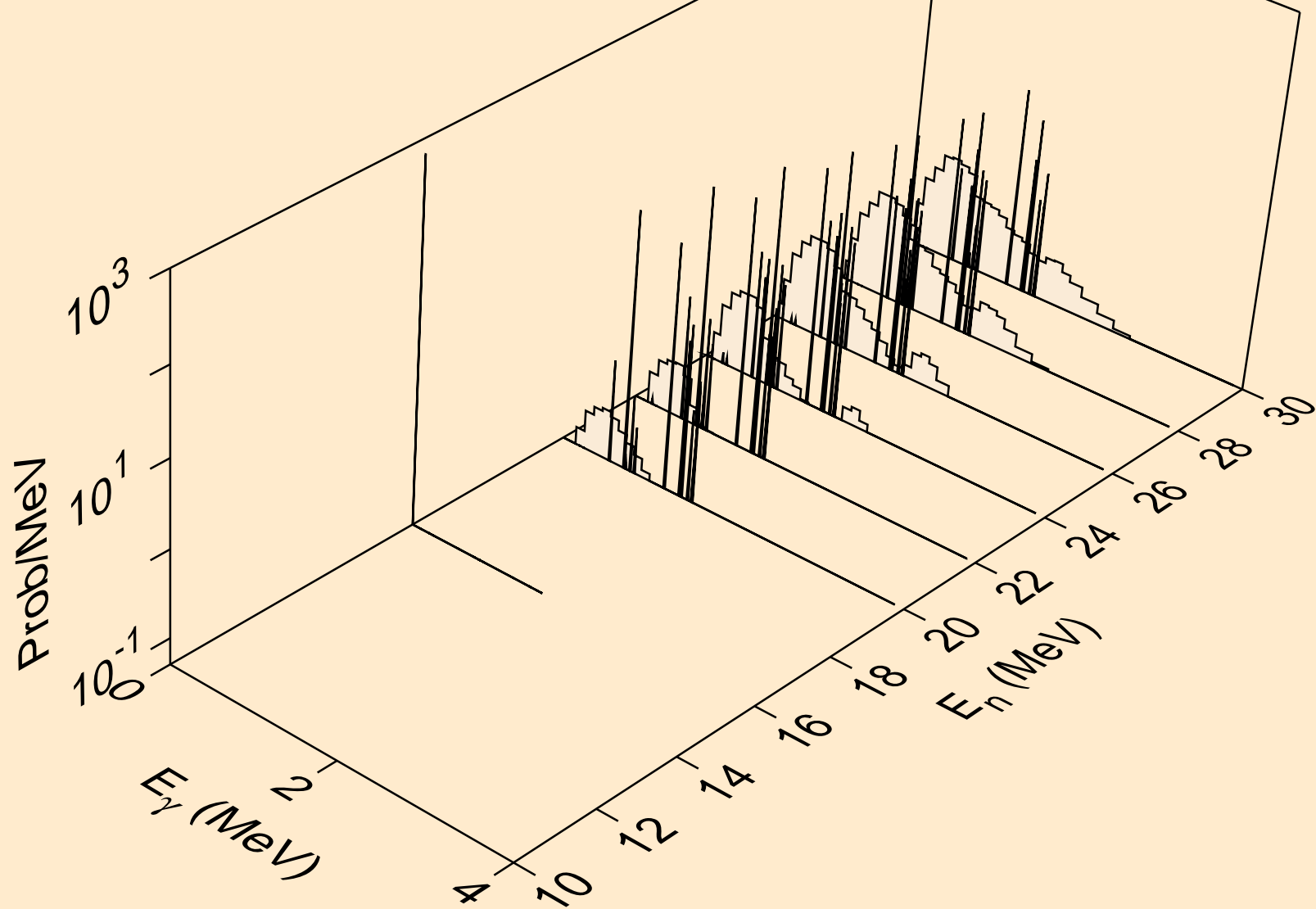
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



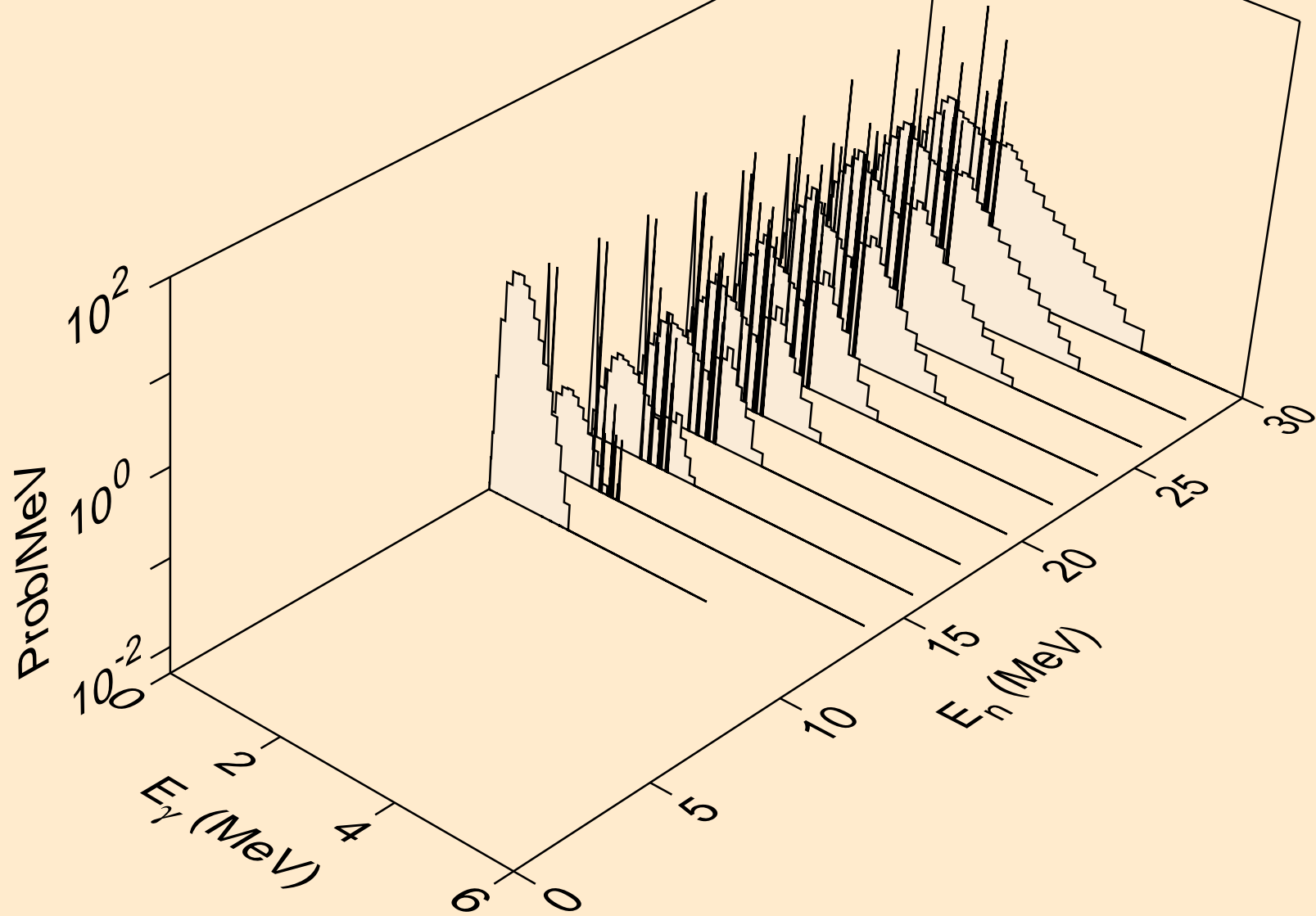
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



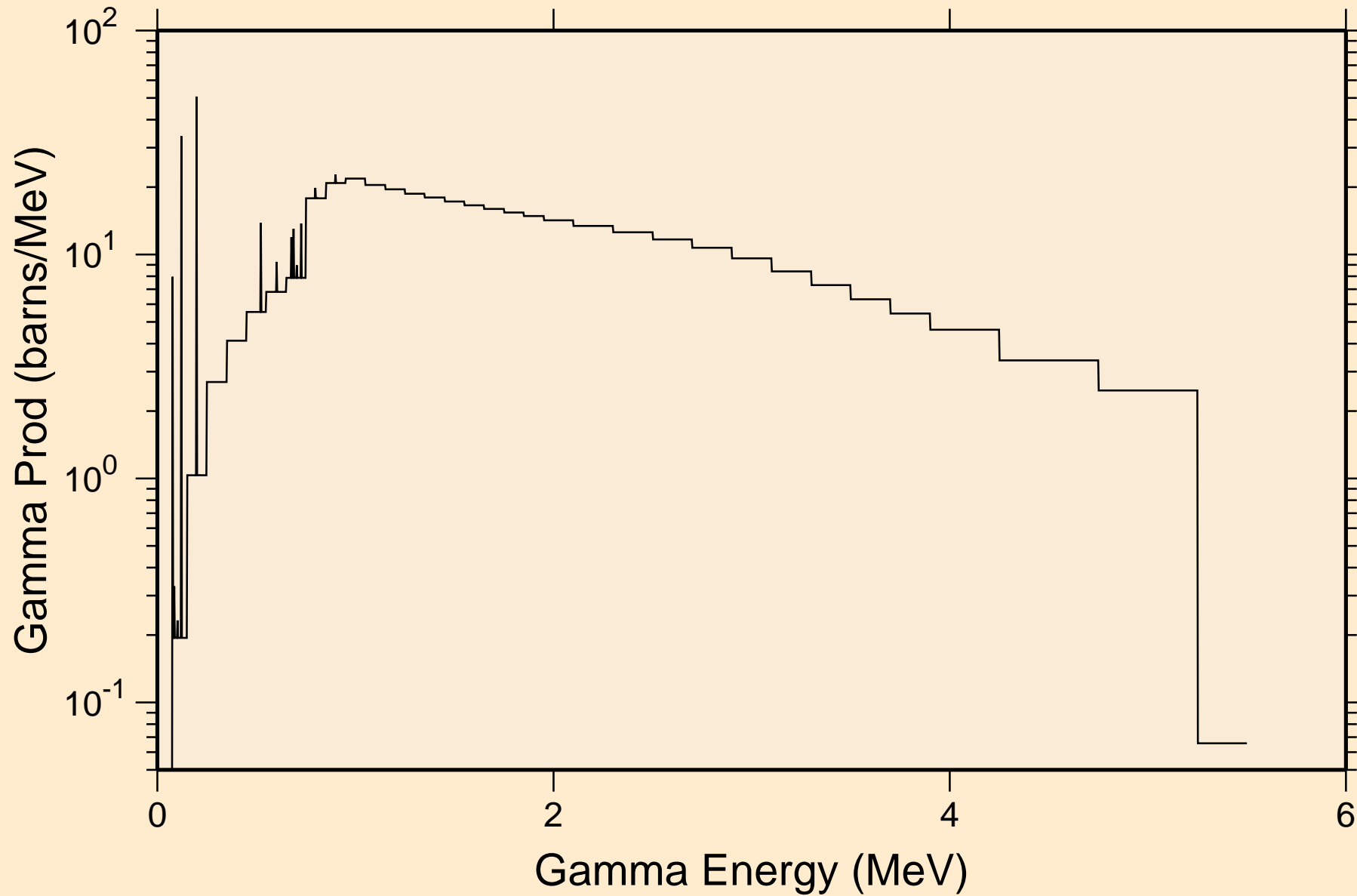
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



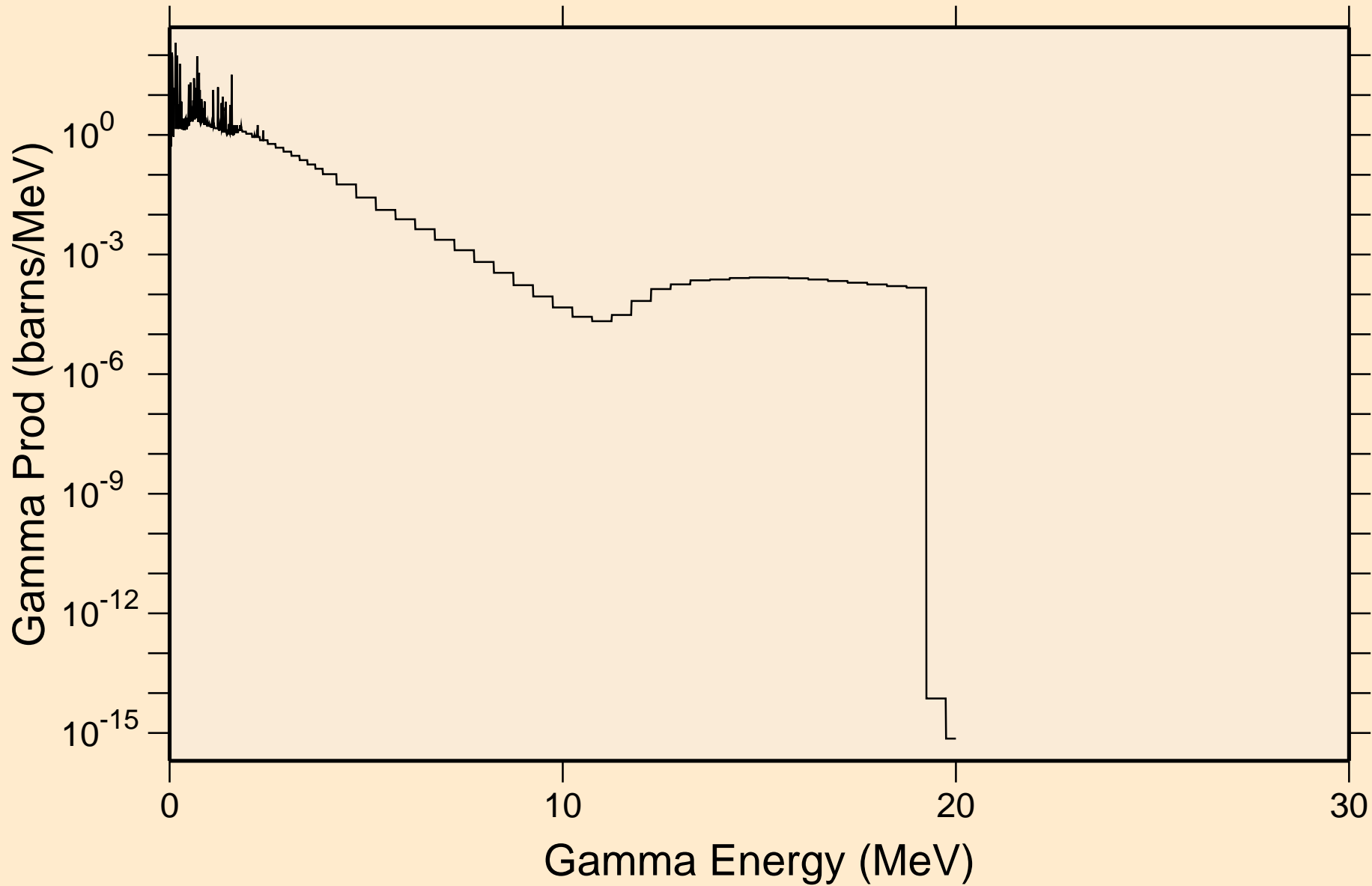
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

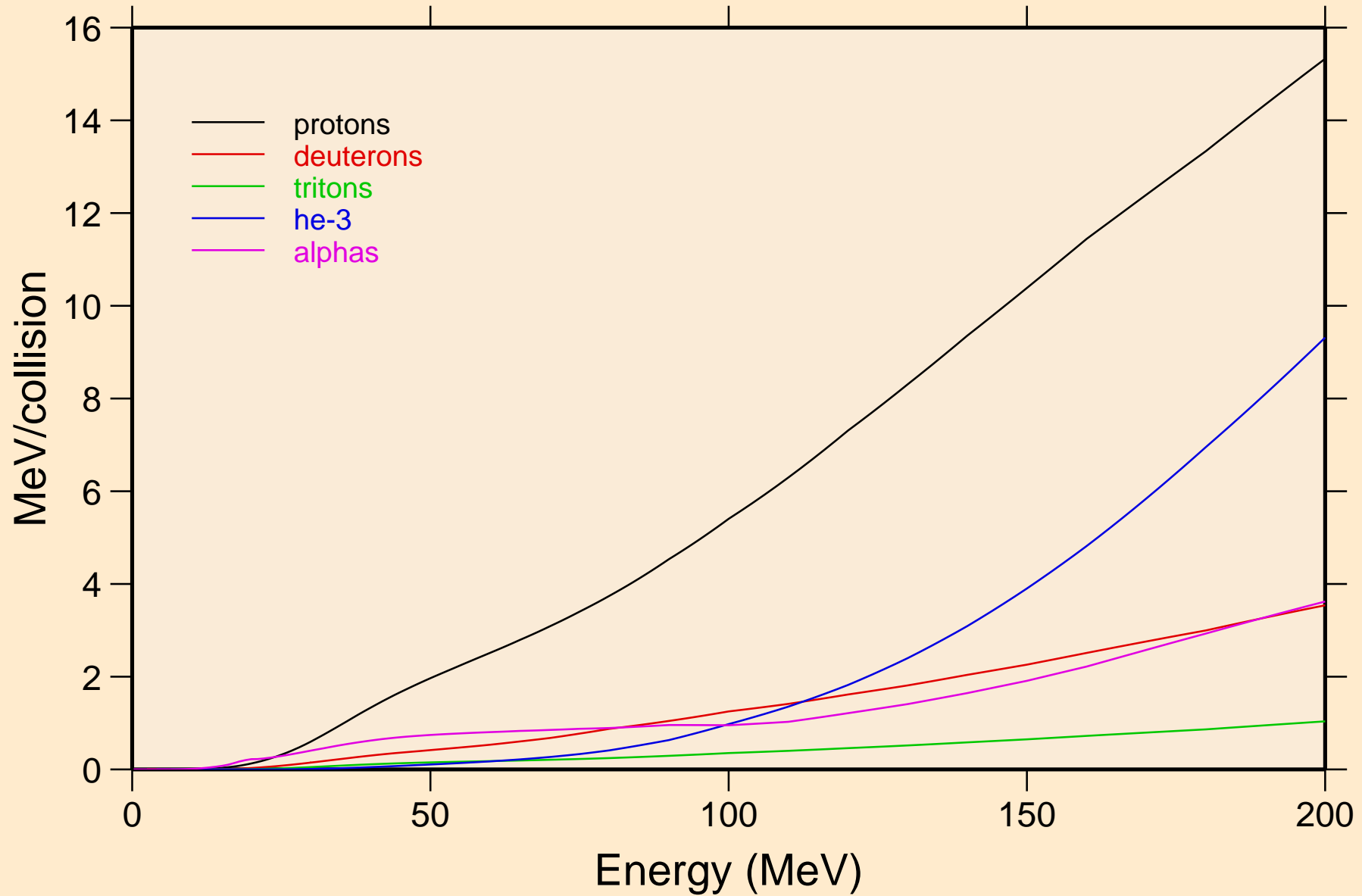


SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



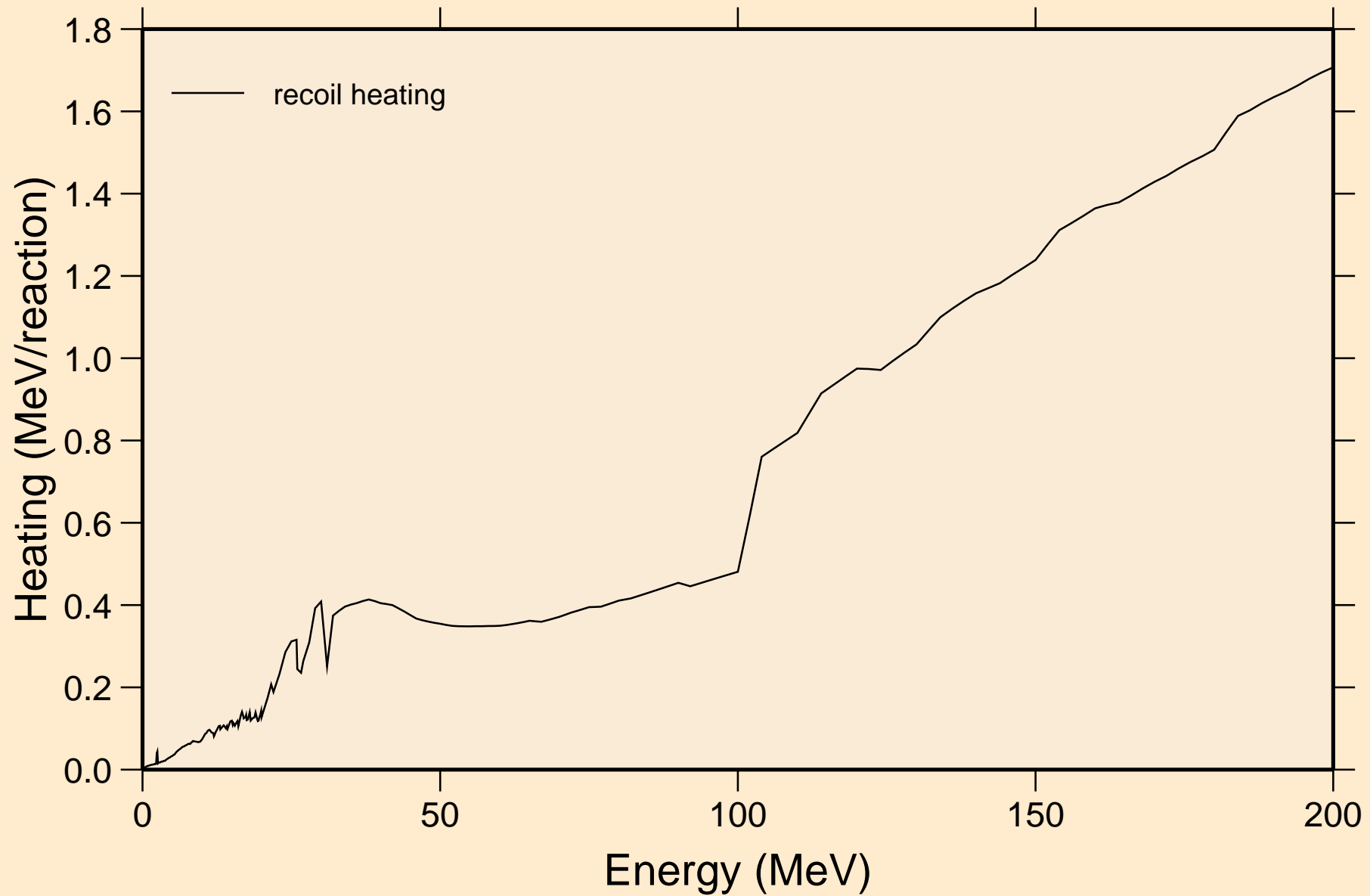
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



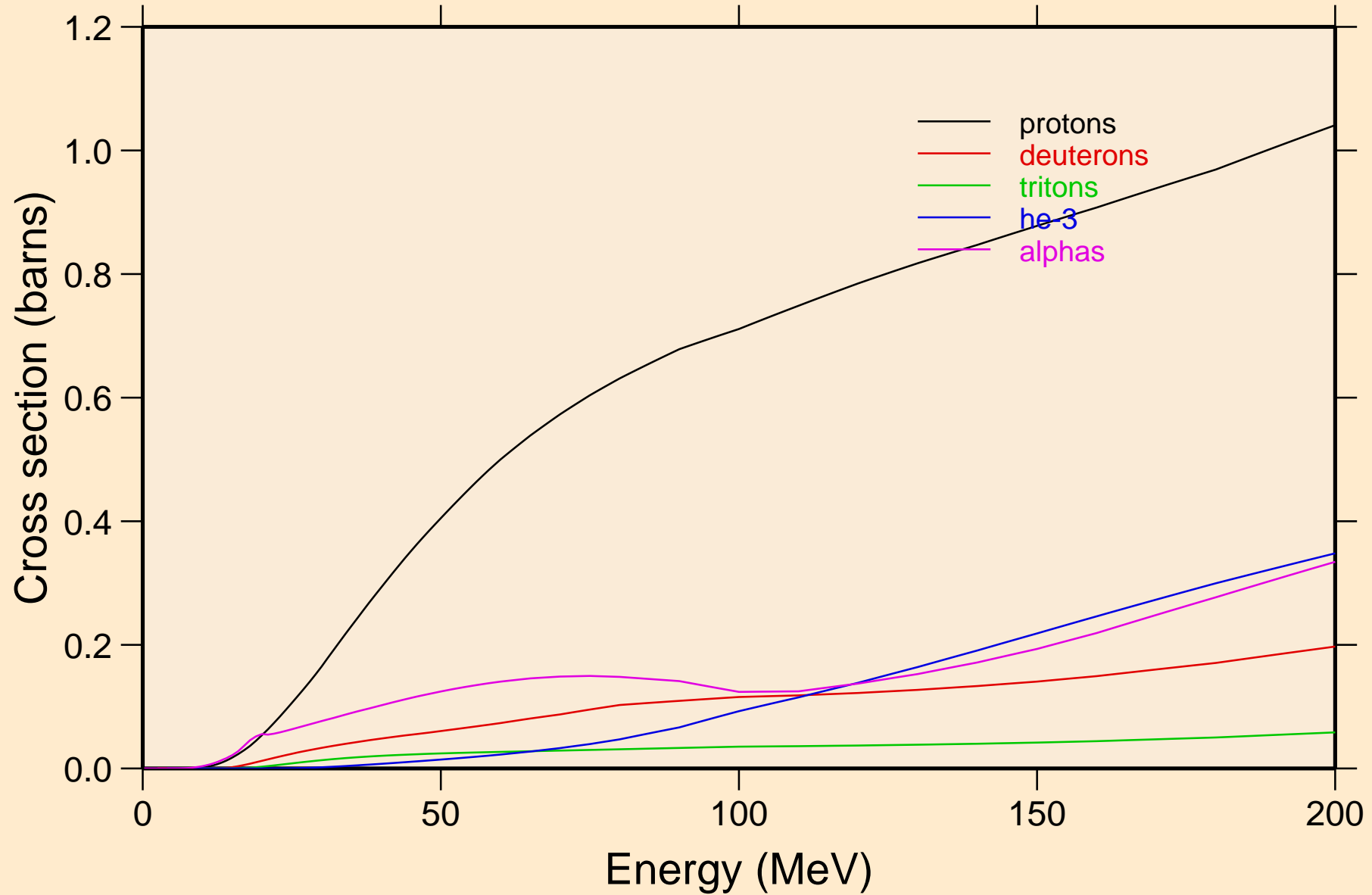
# SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

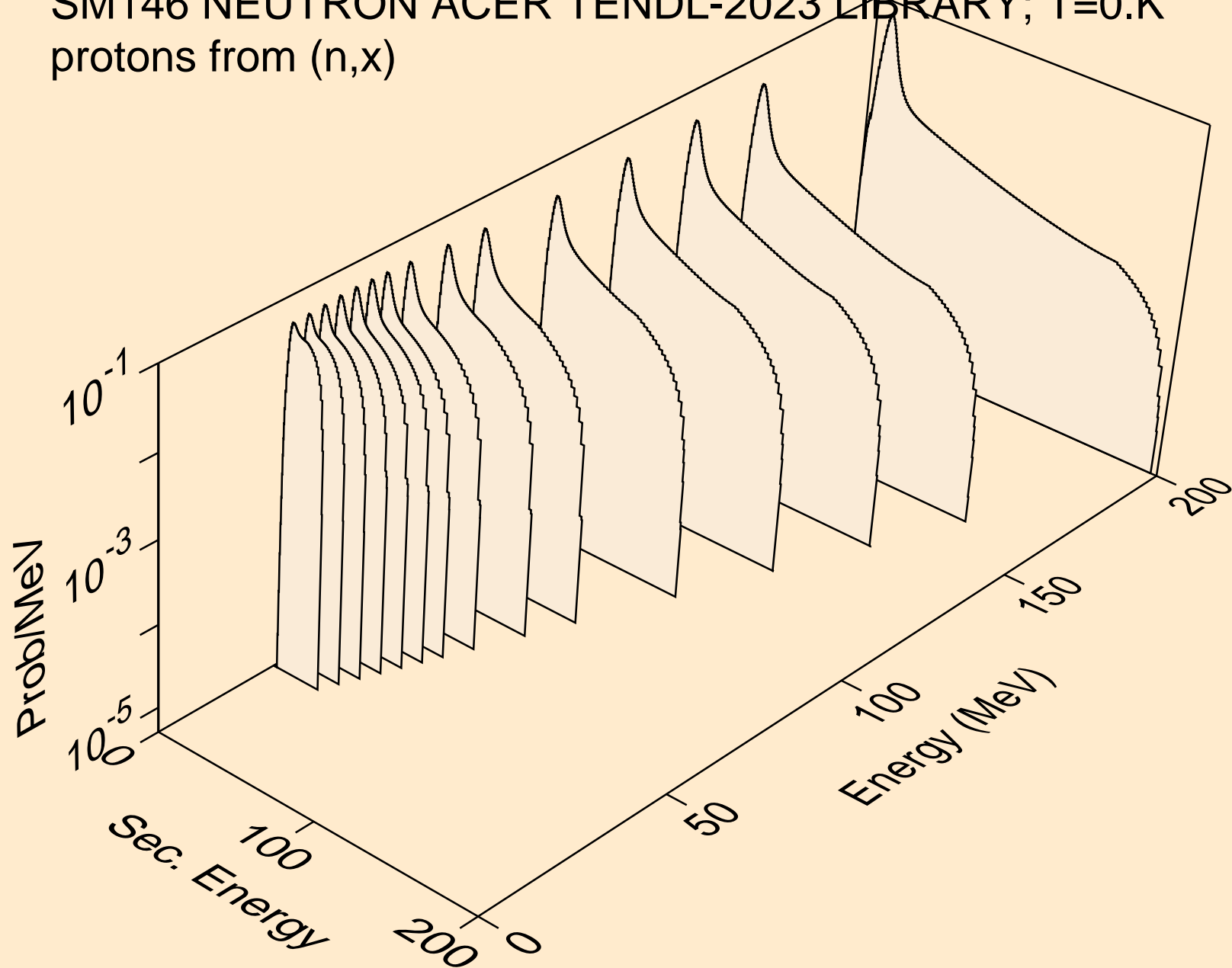




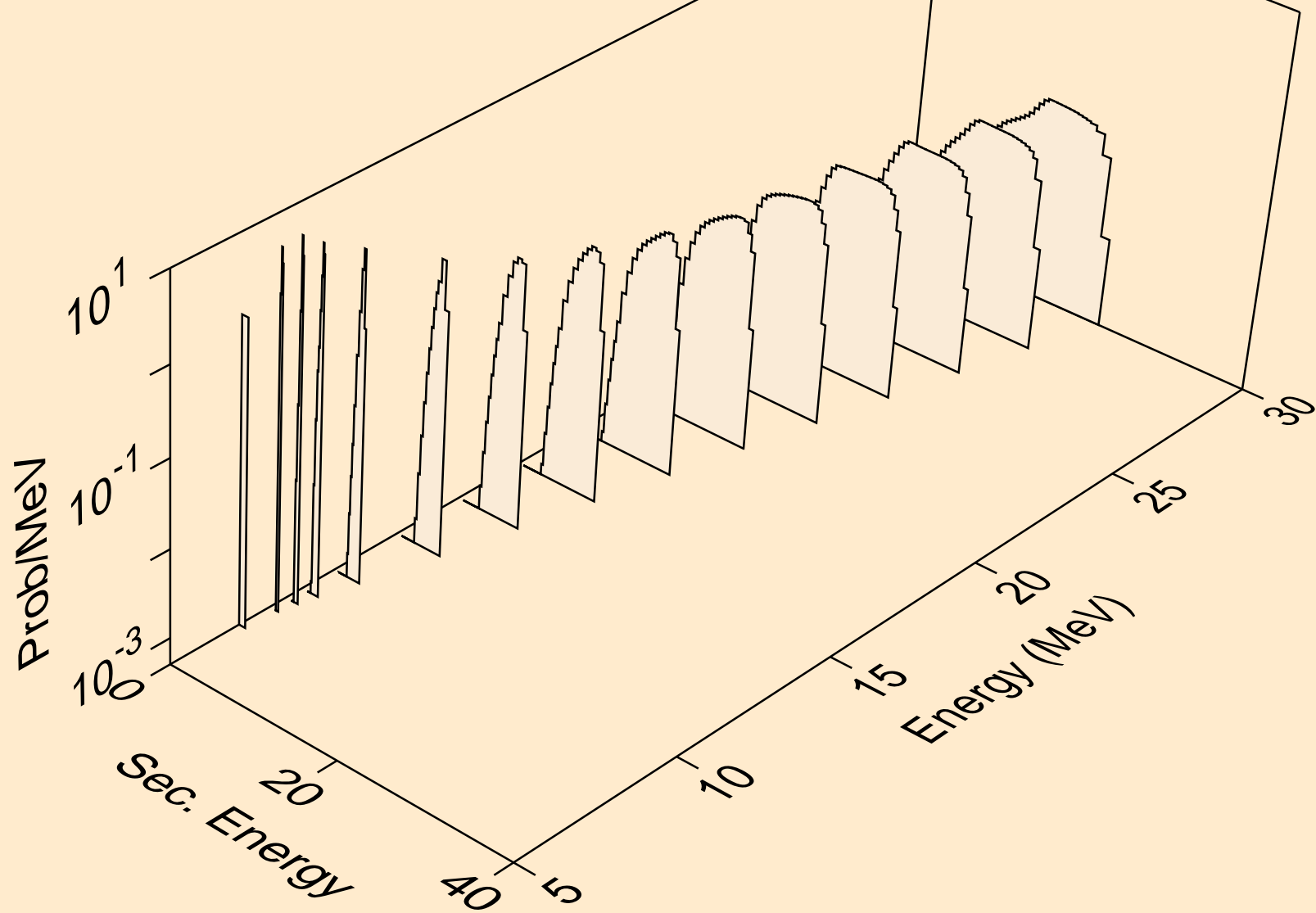
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



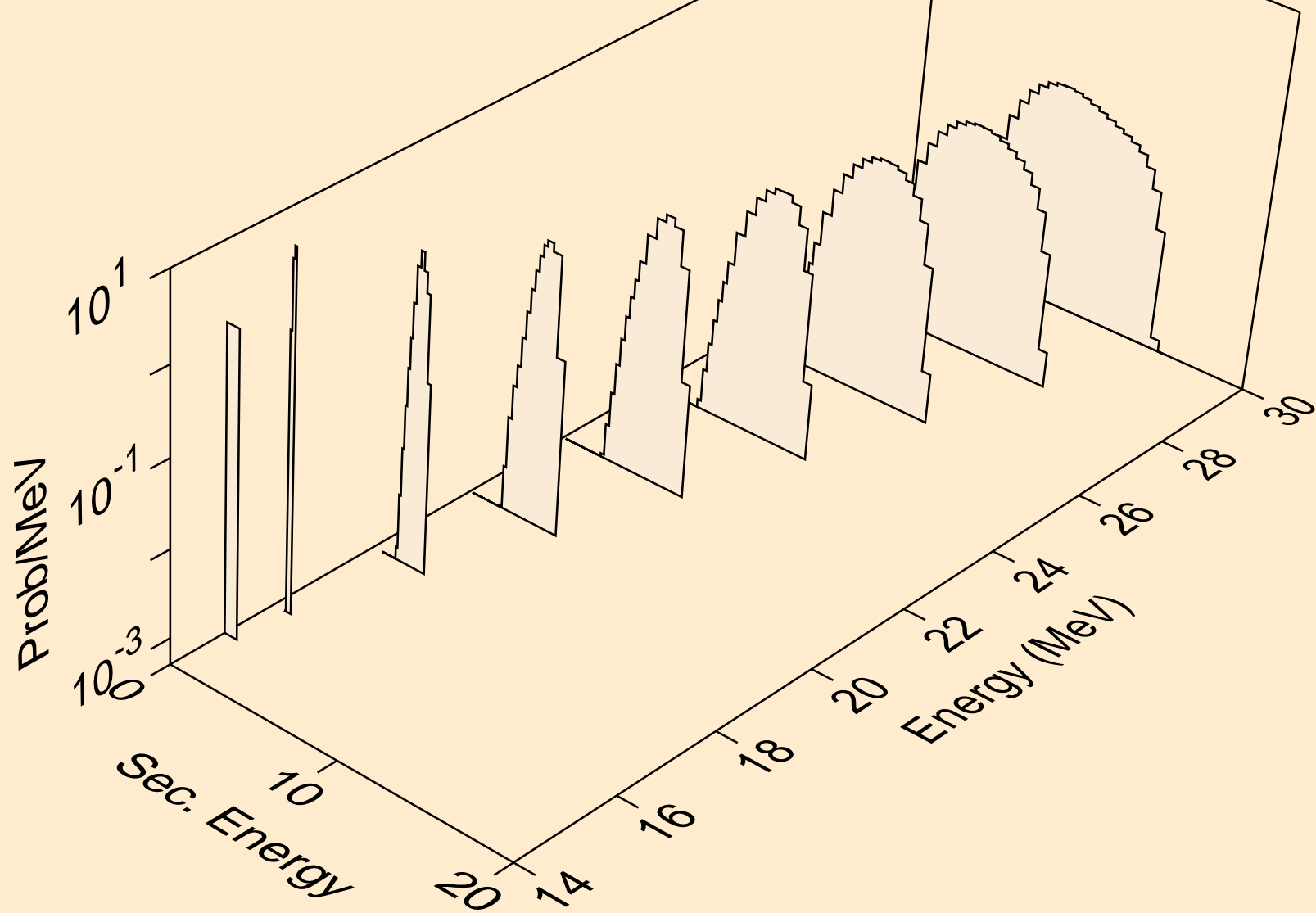
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



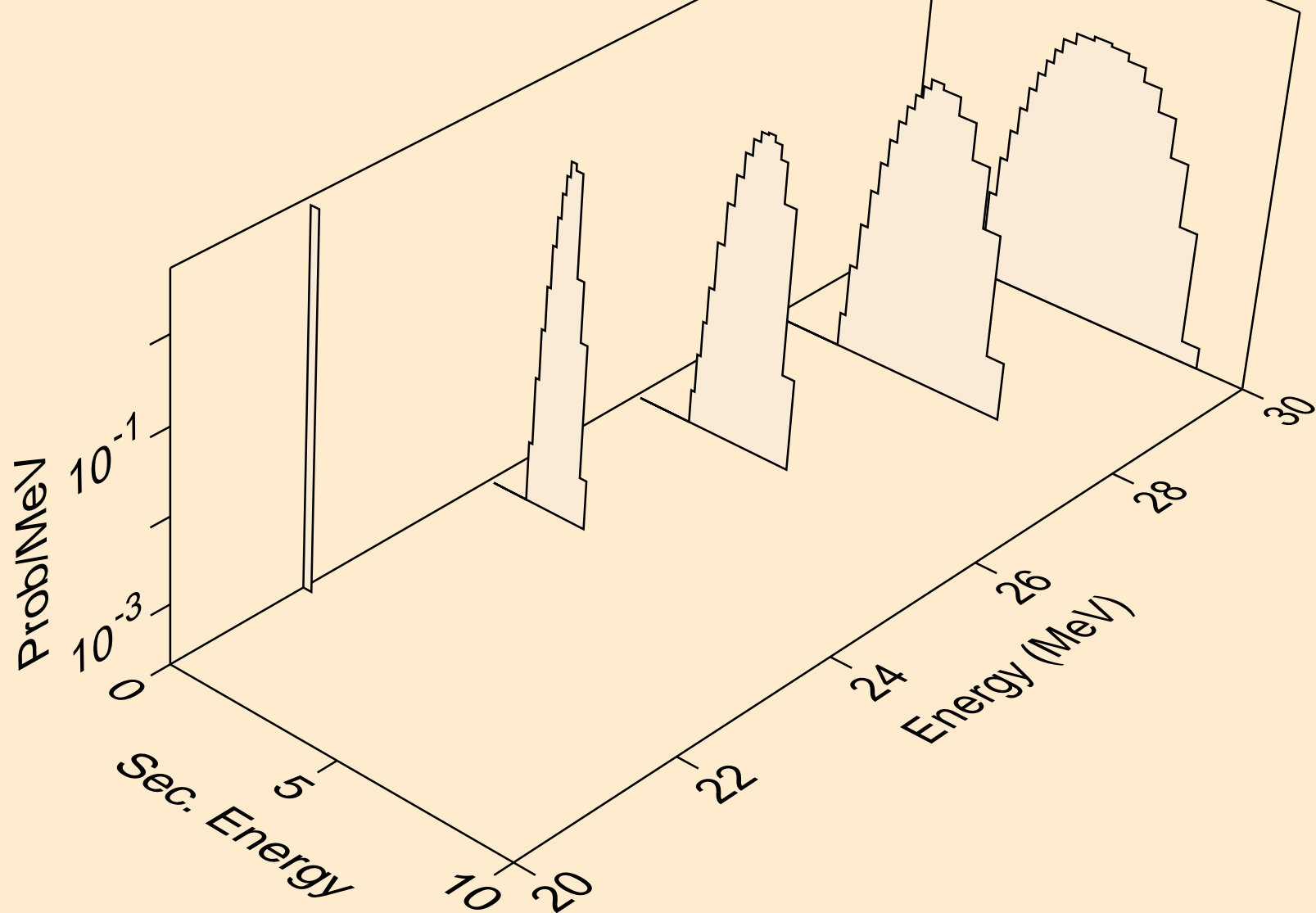
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



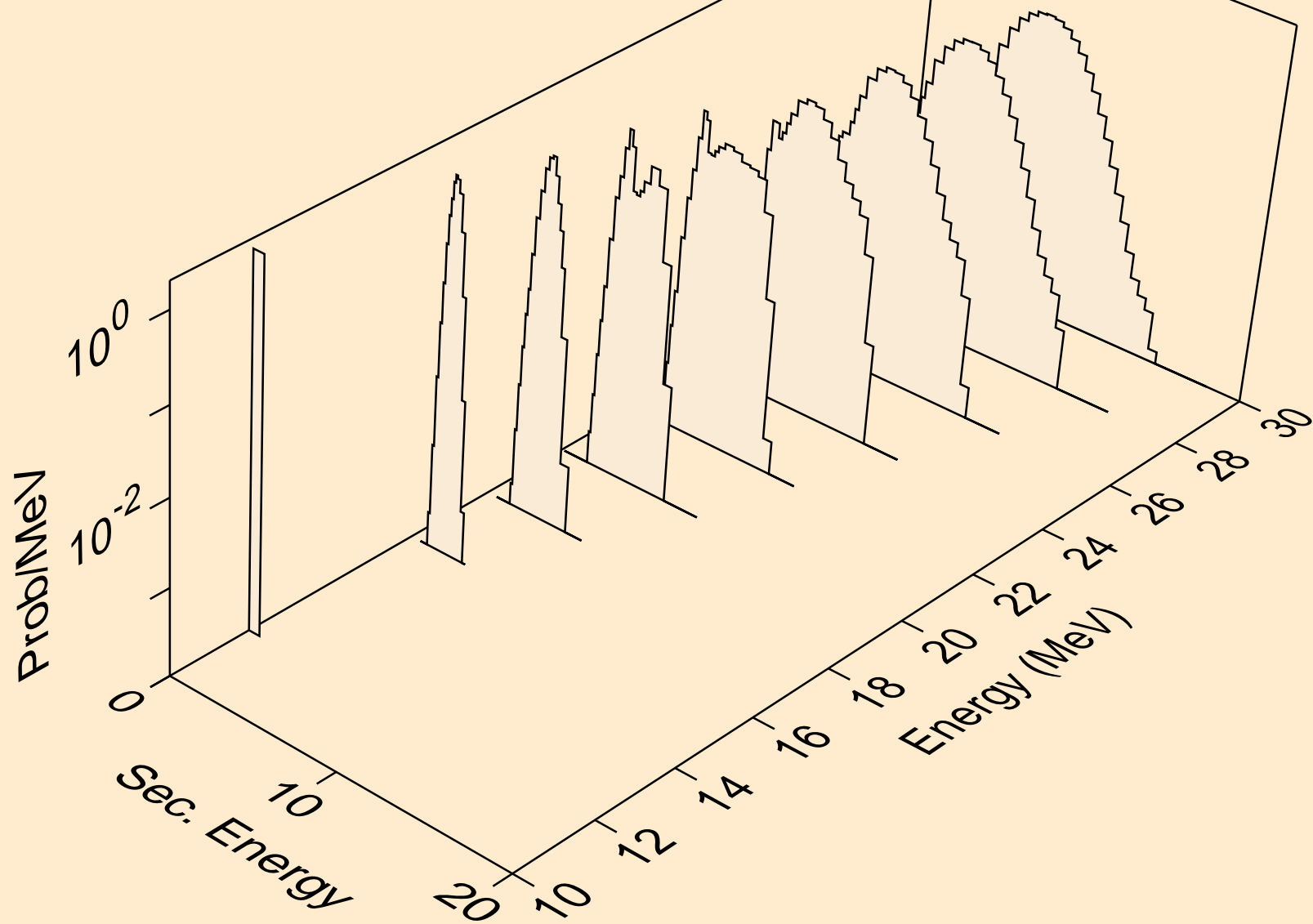
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protons from (n,2np)



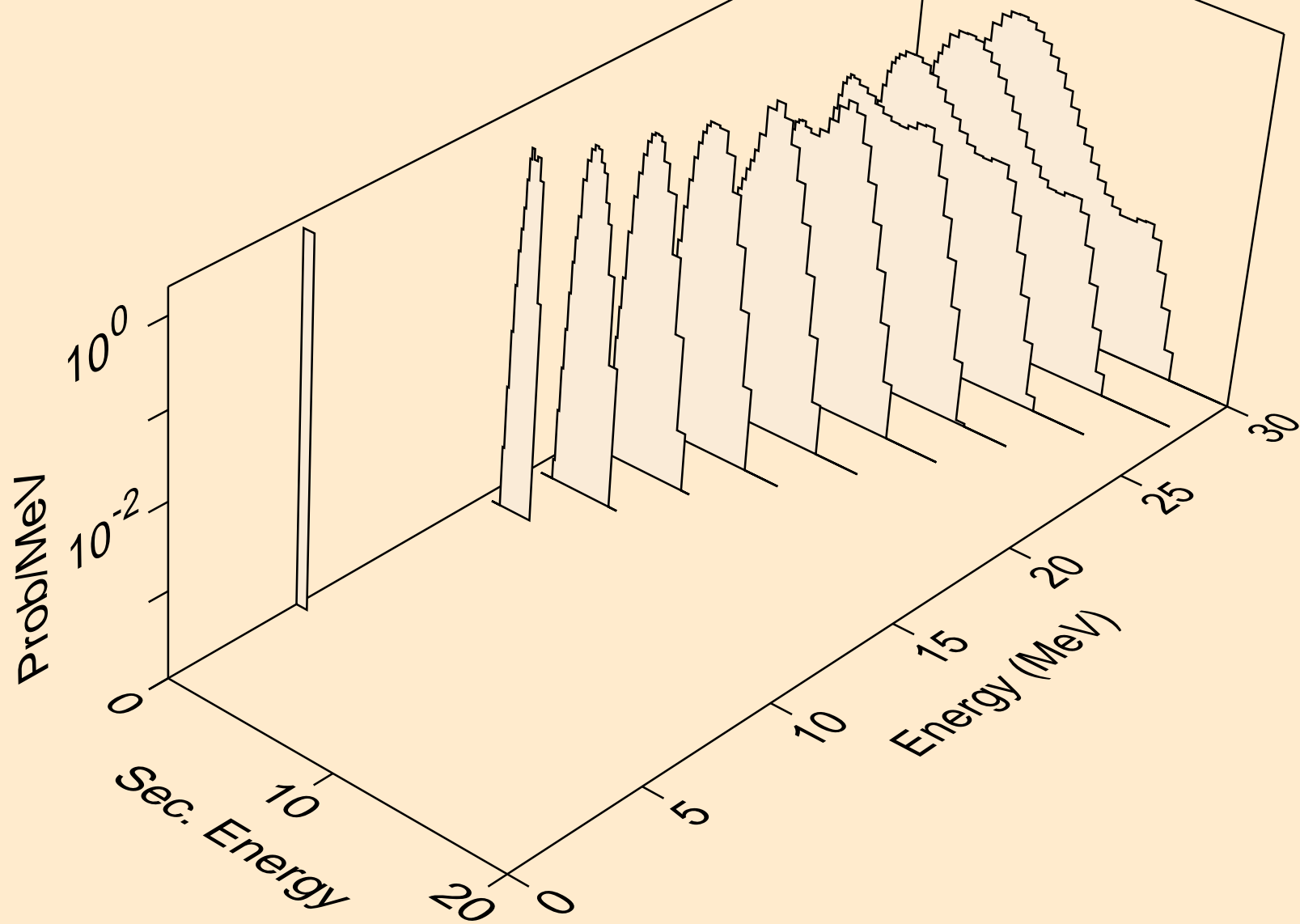
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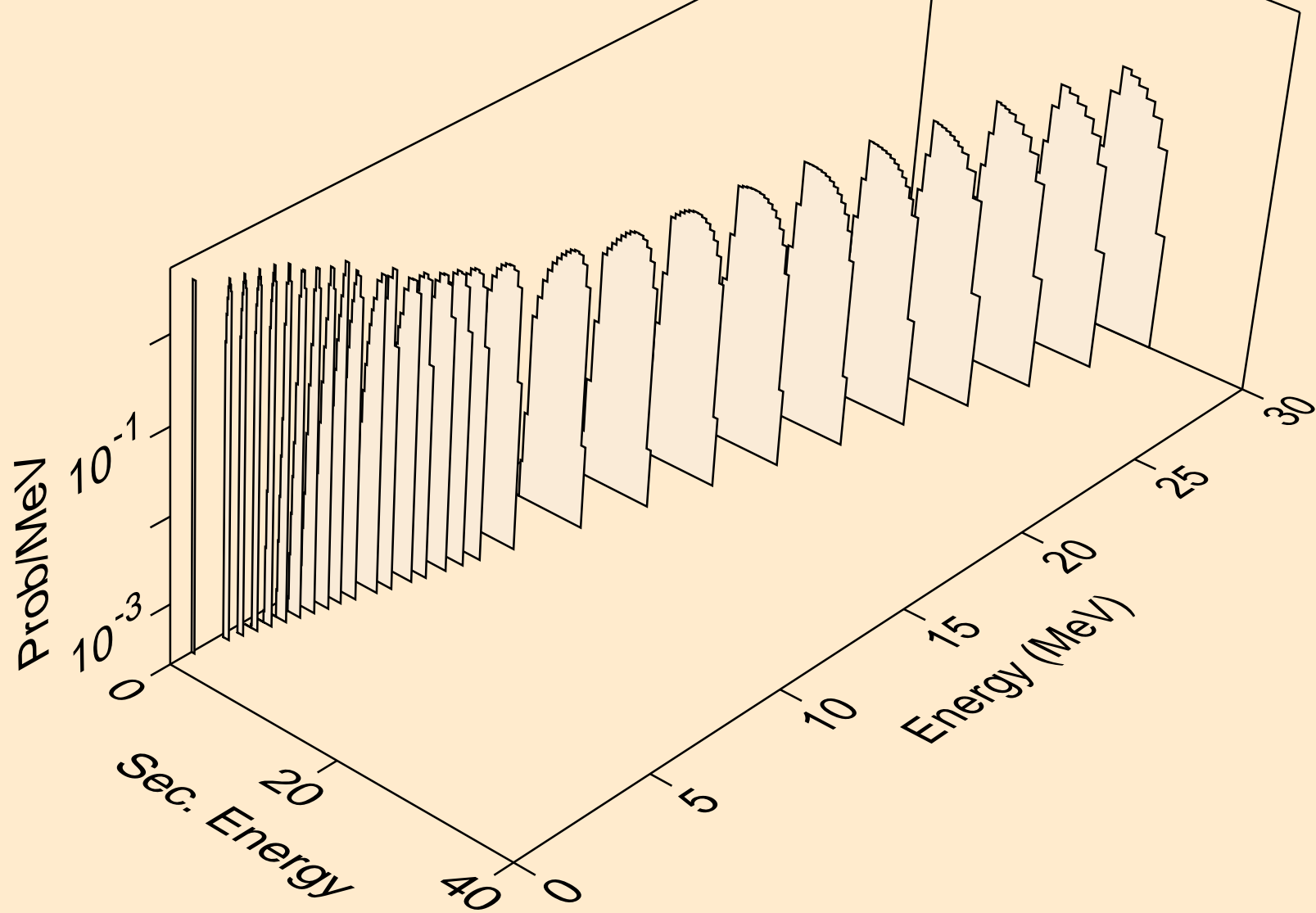
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protons from (n,n2p)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

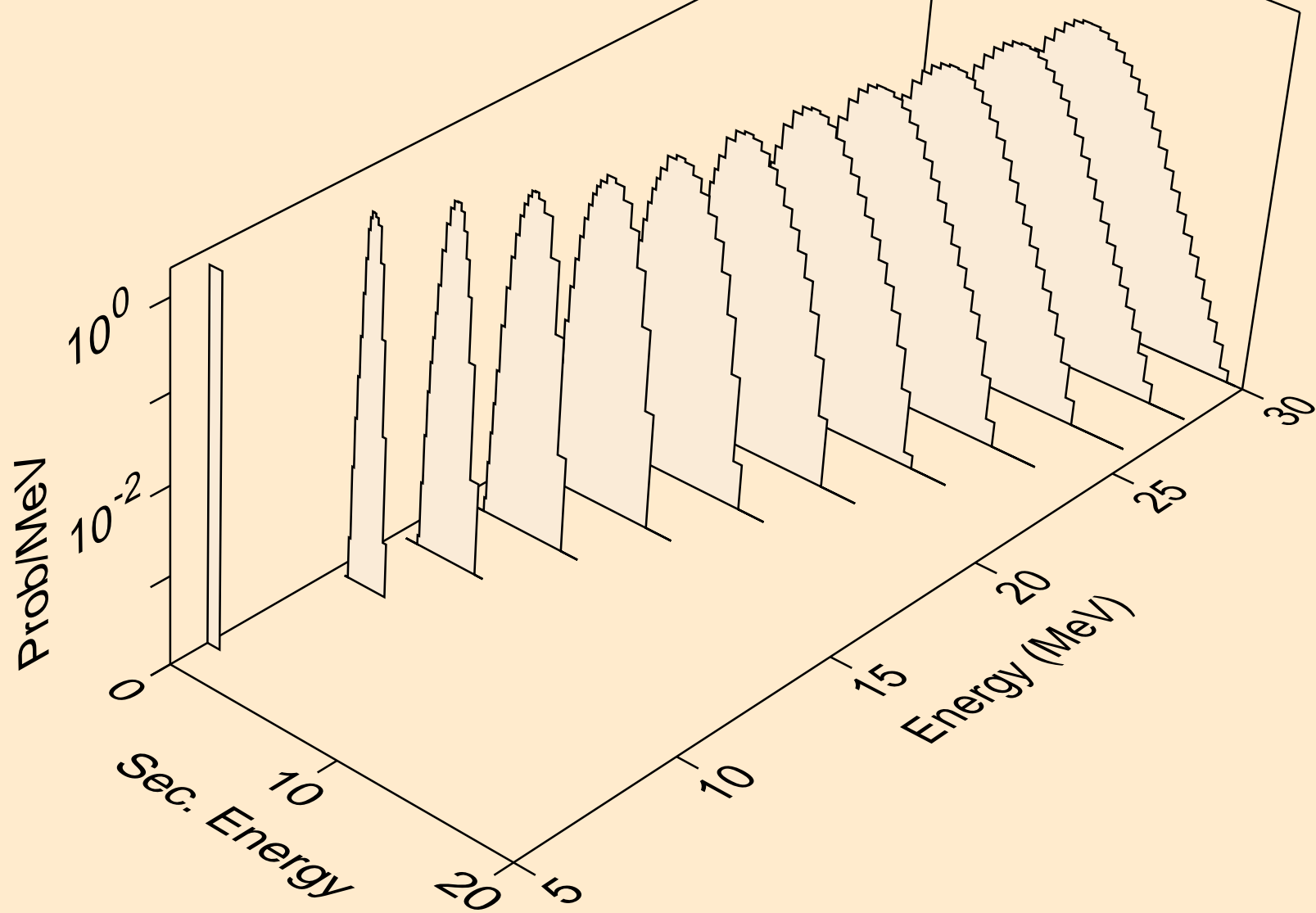


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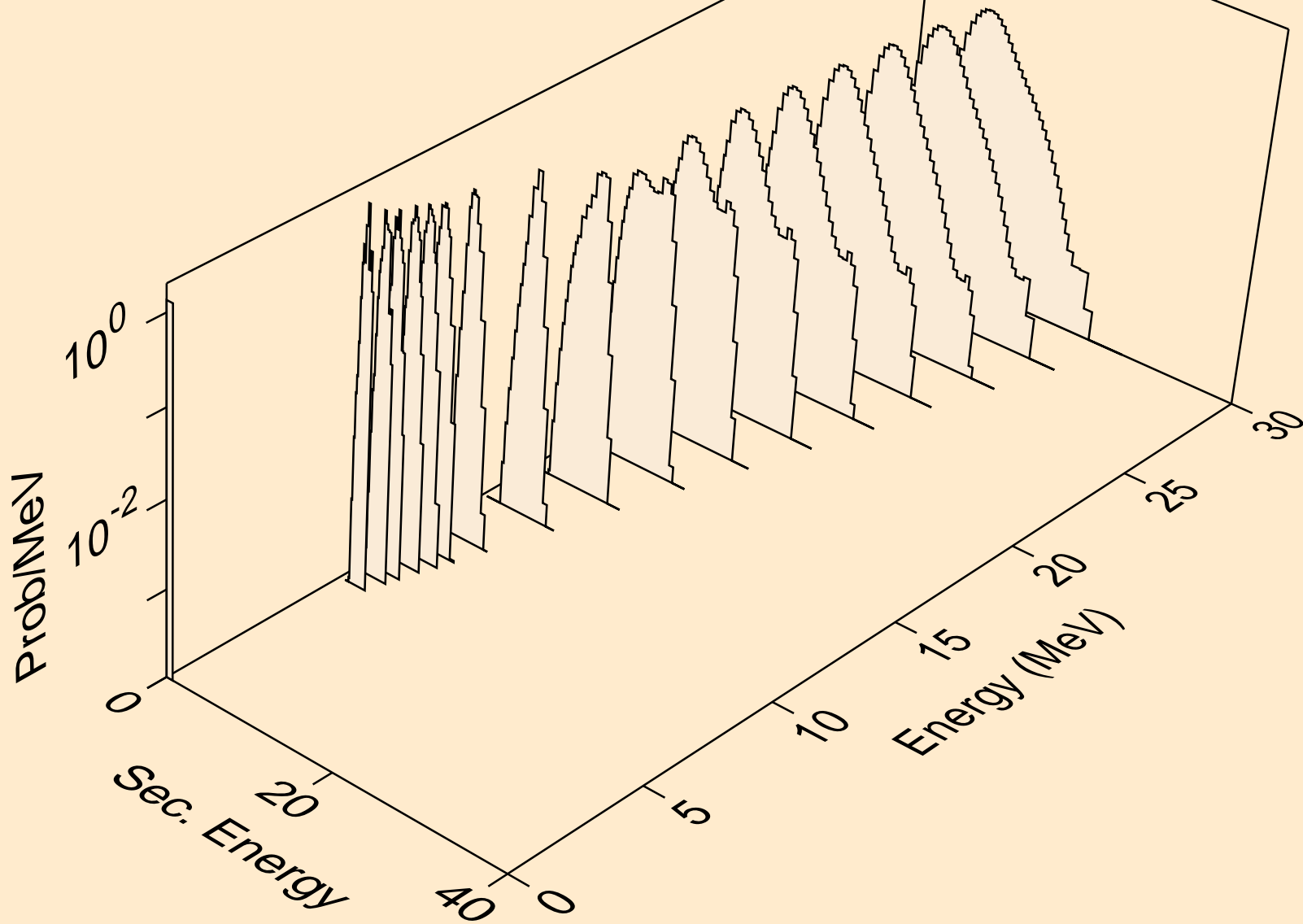




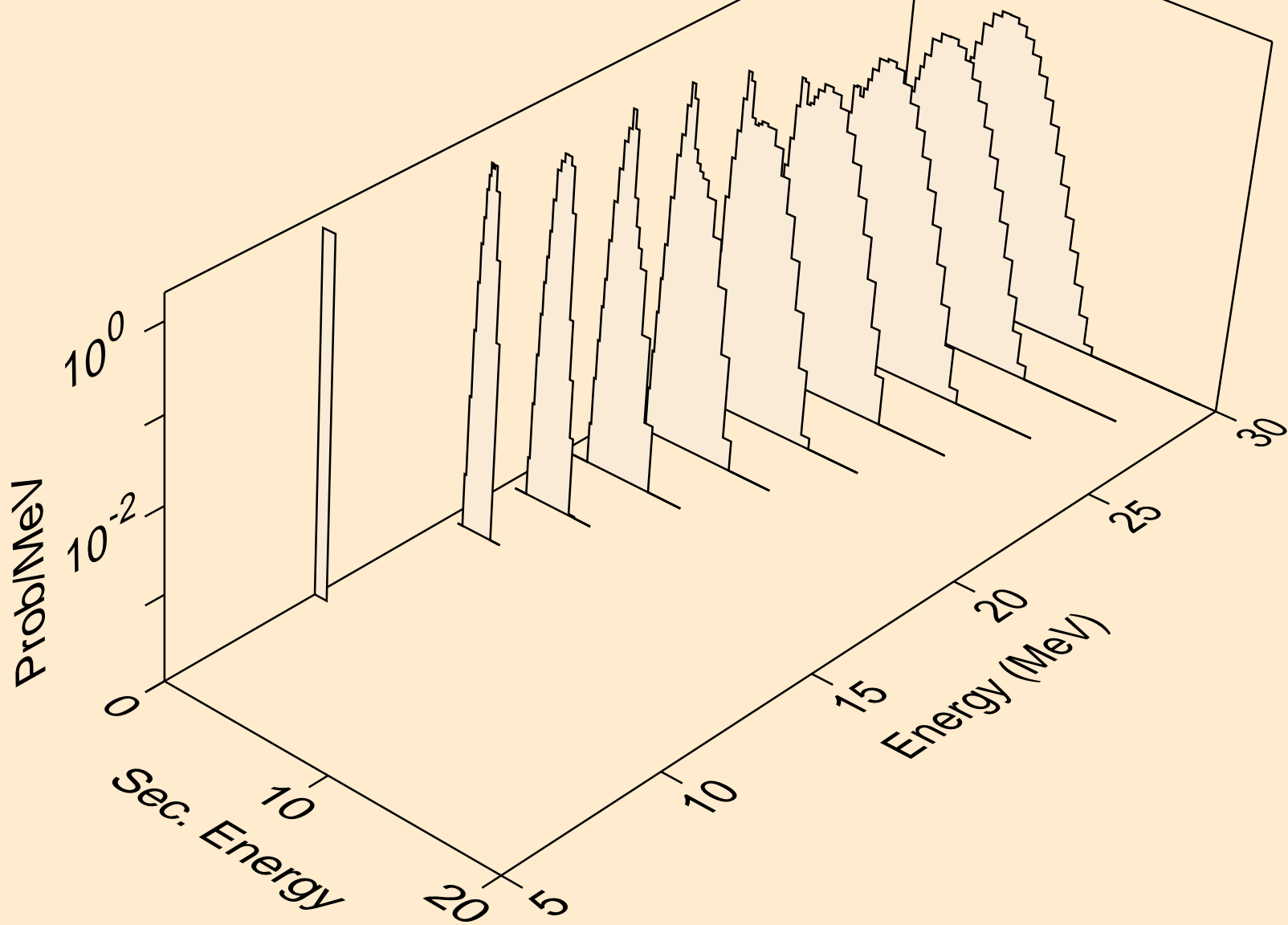
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protons from (n,2p)



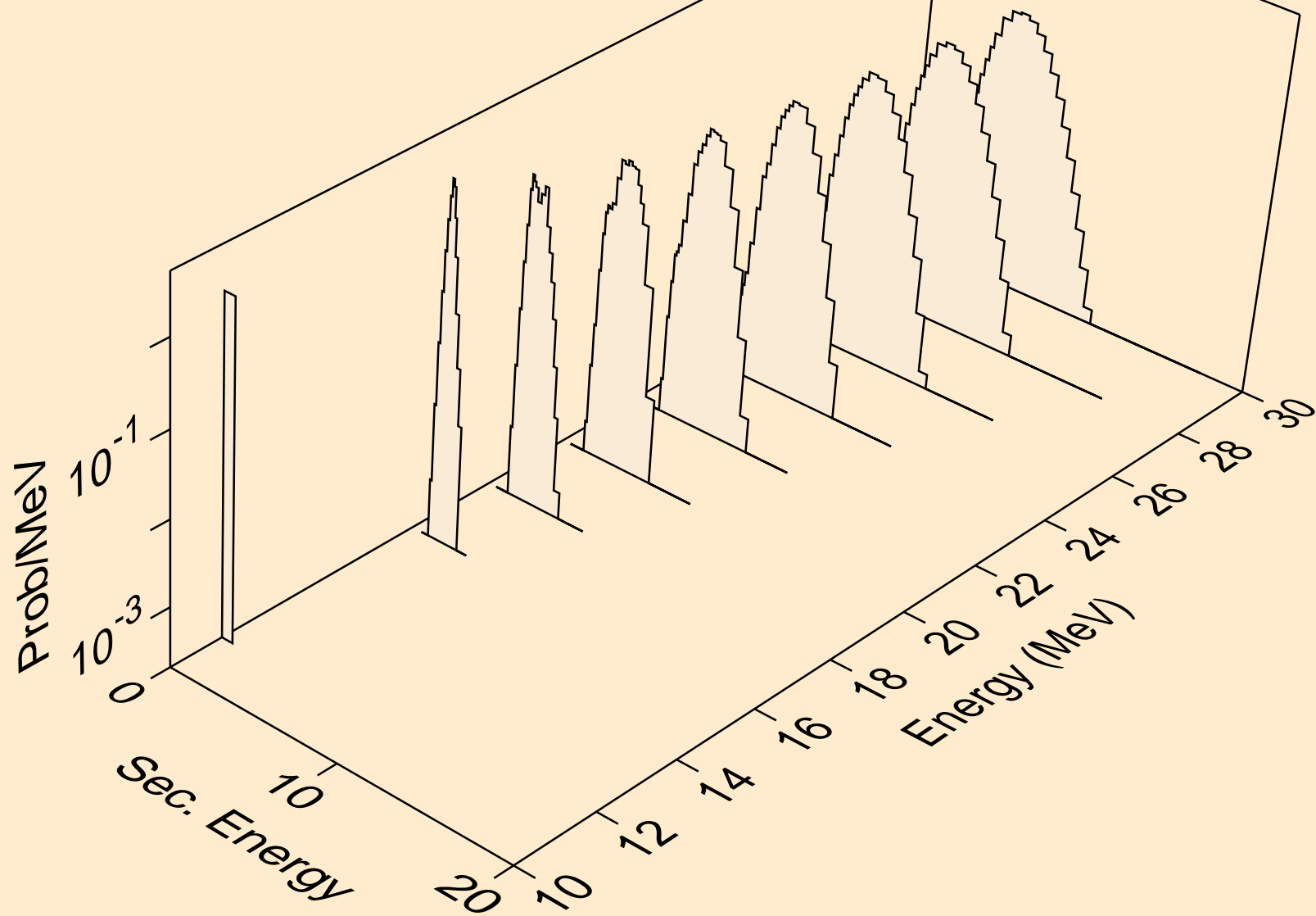
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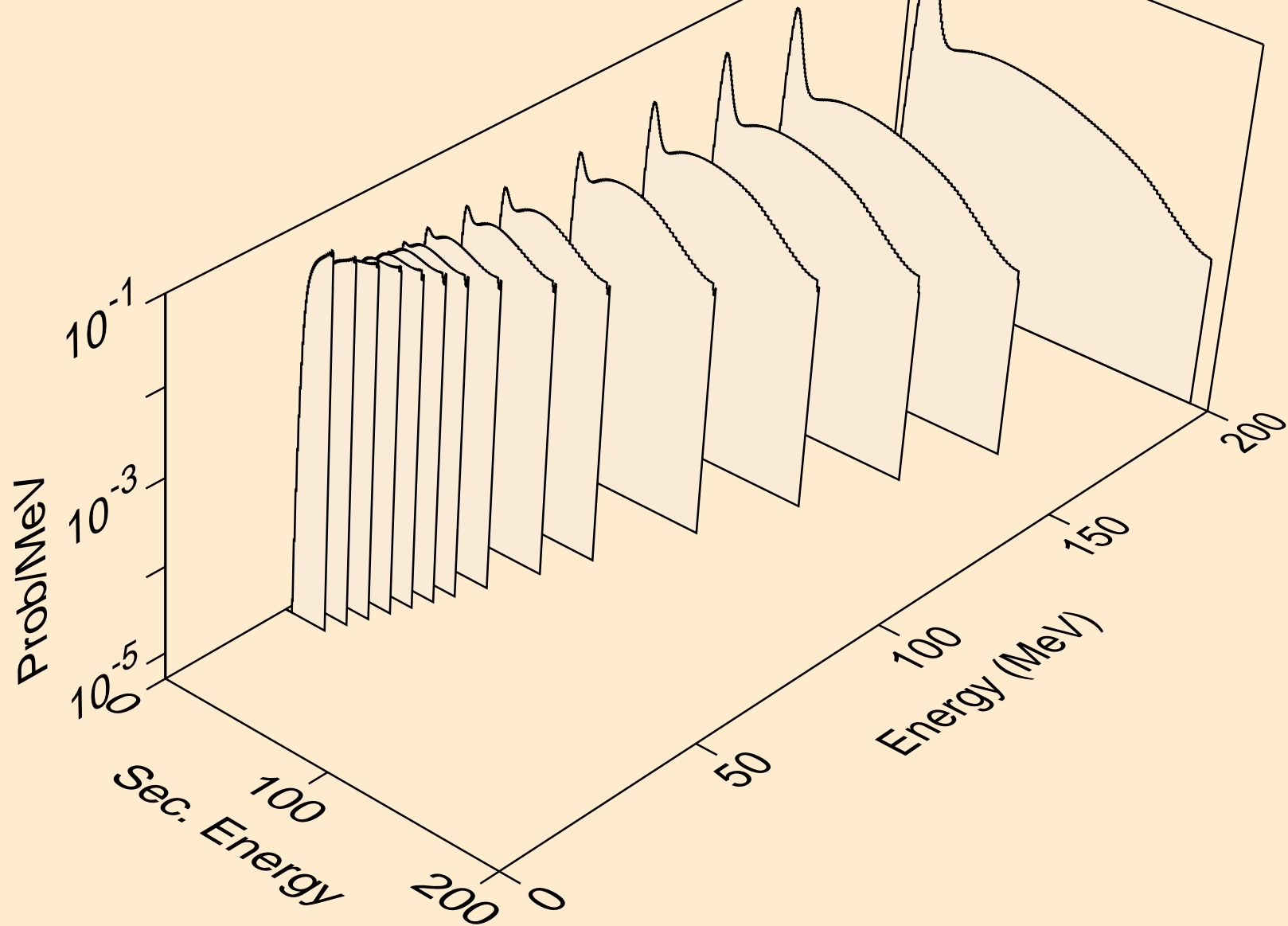
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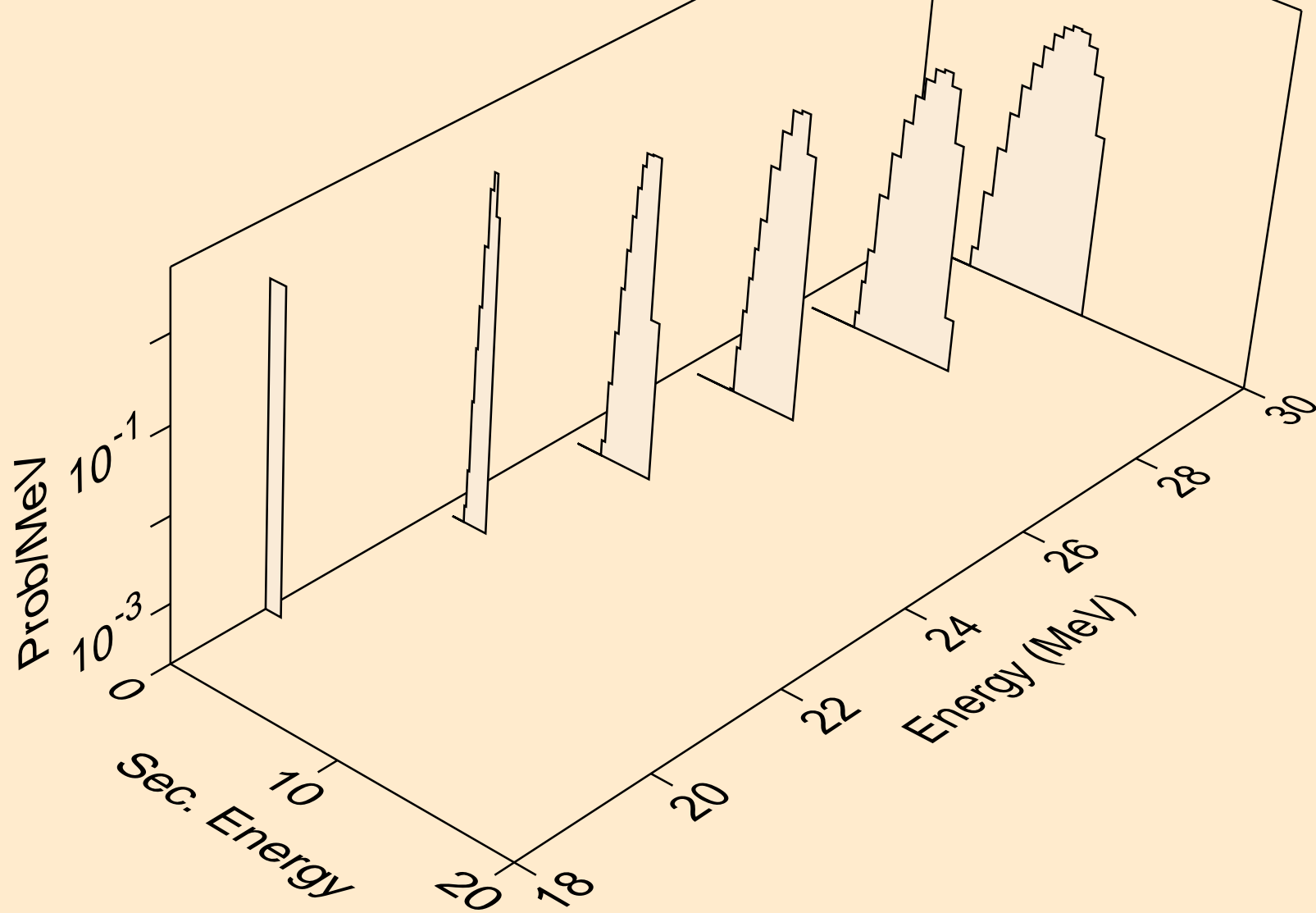
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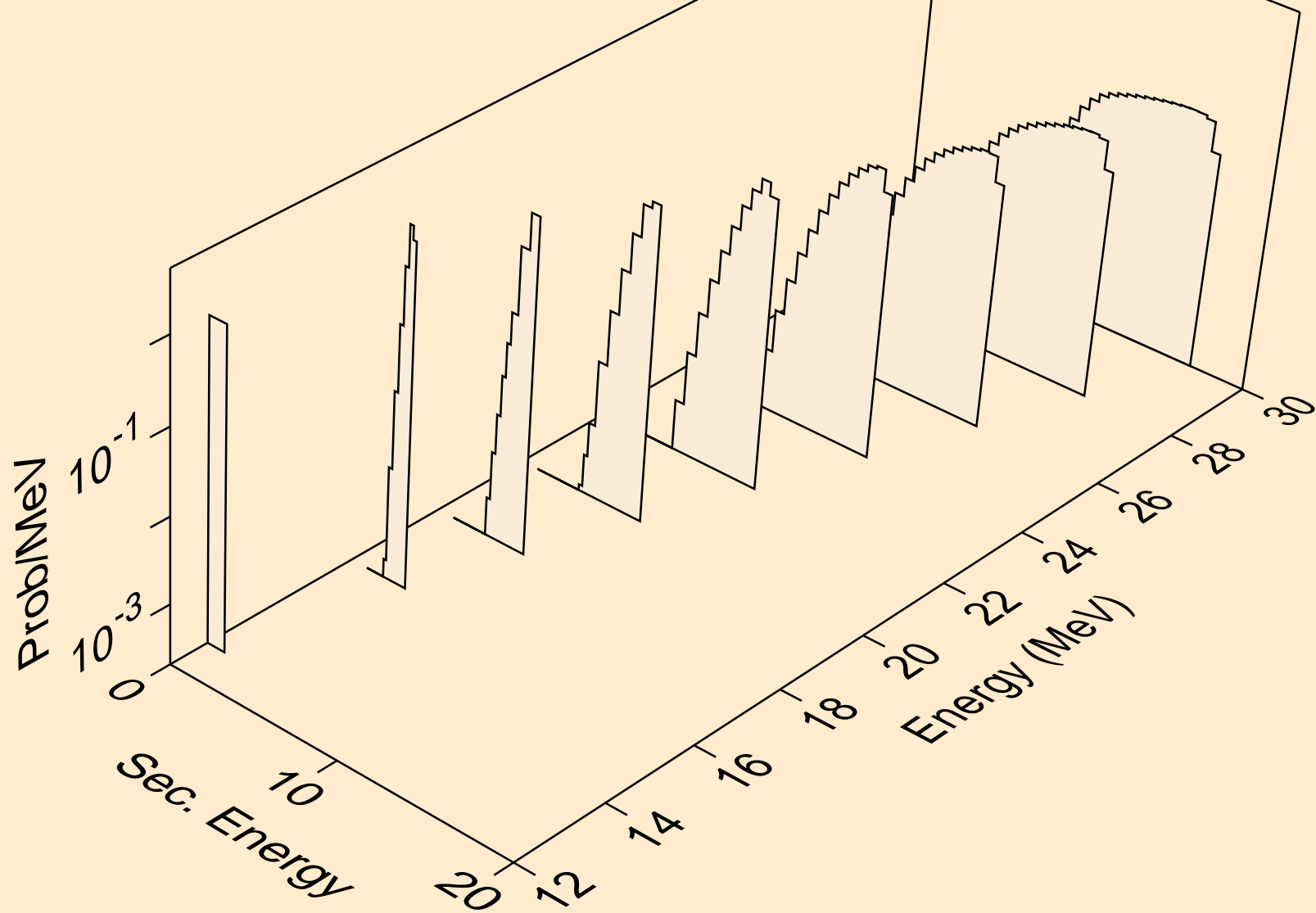
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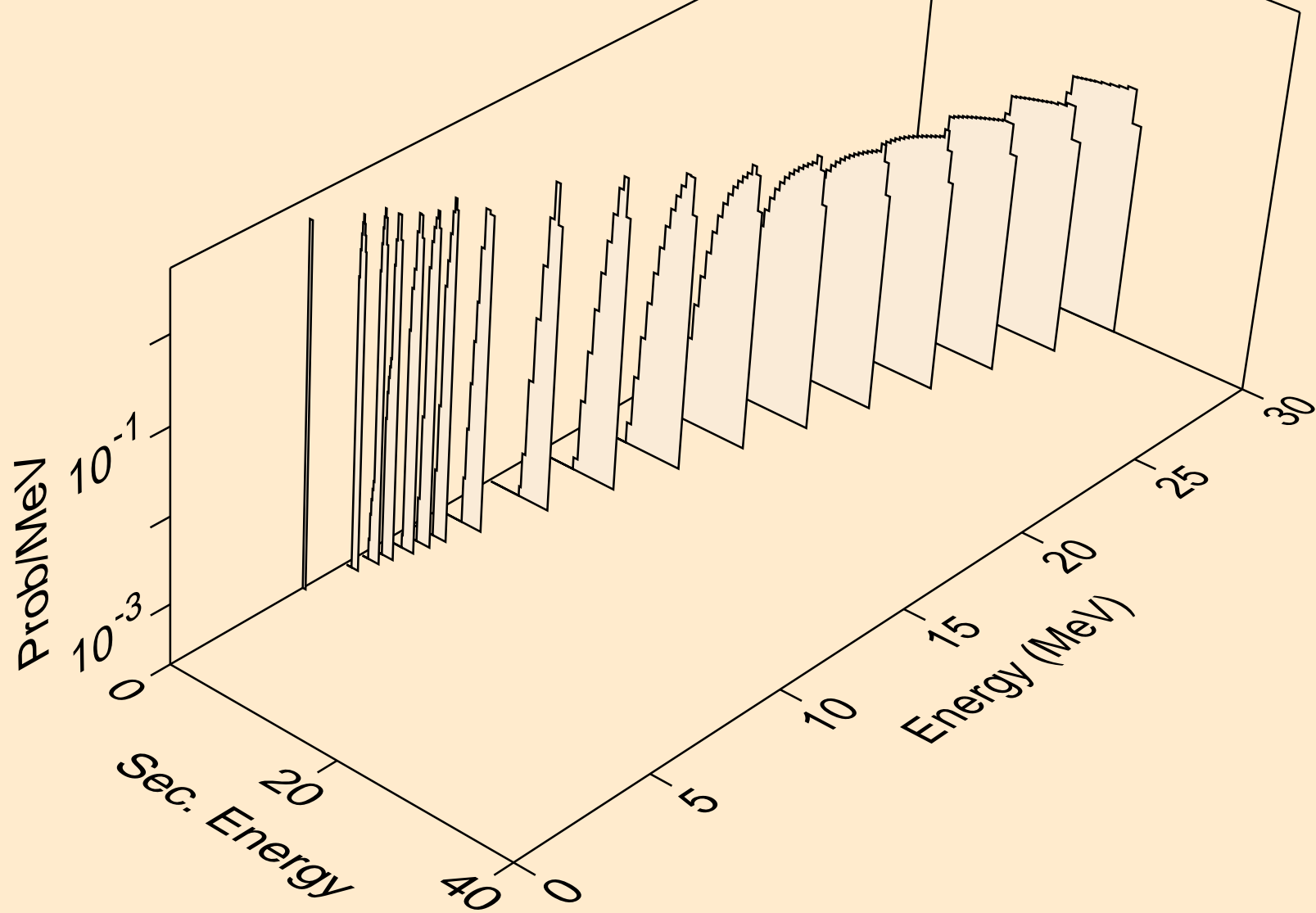
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deuterons from (n,2nd)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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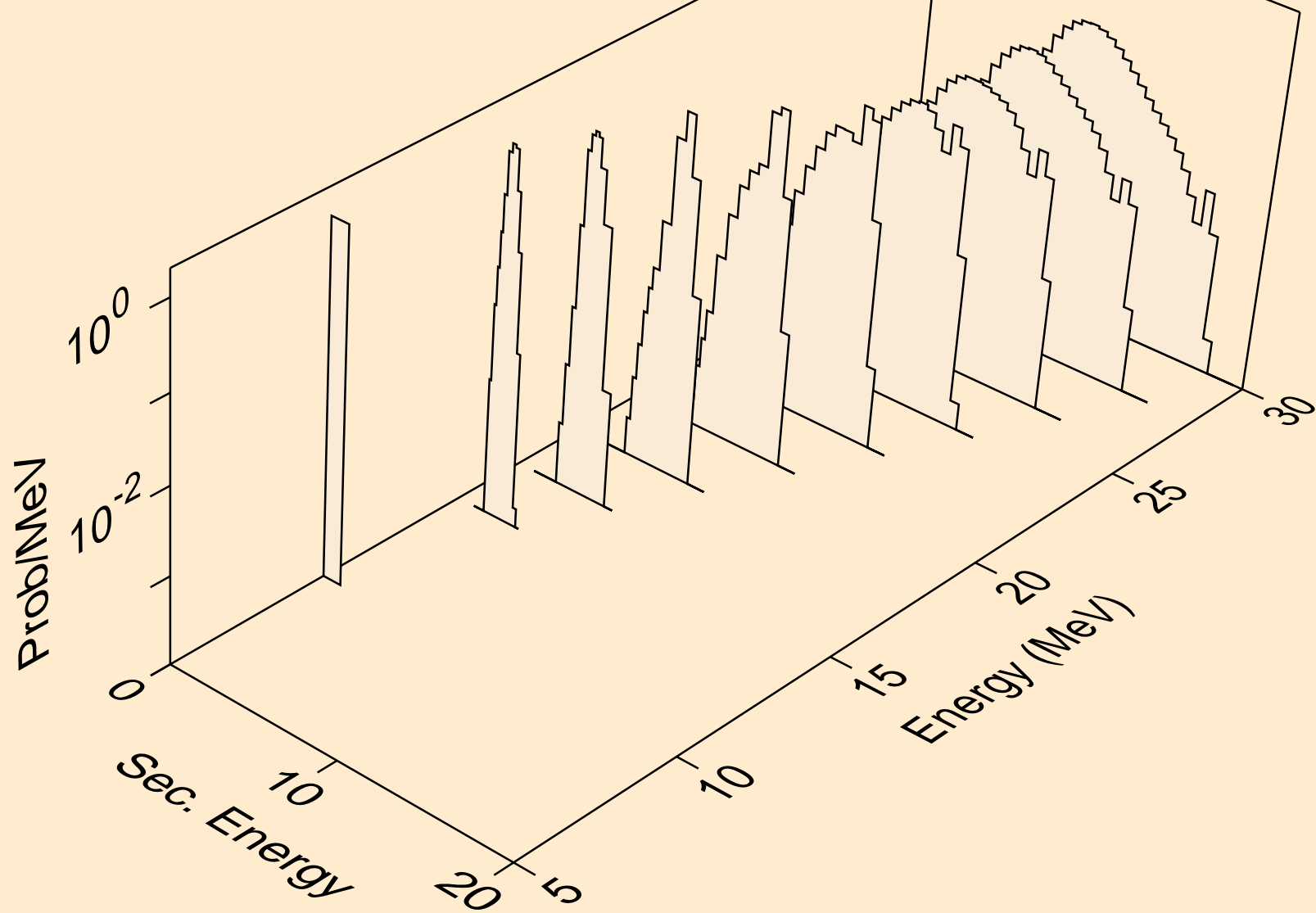


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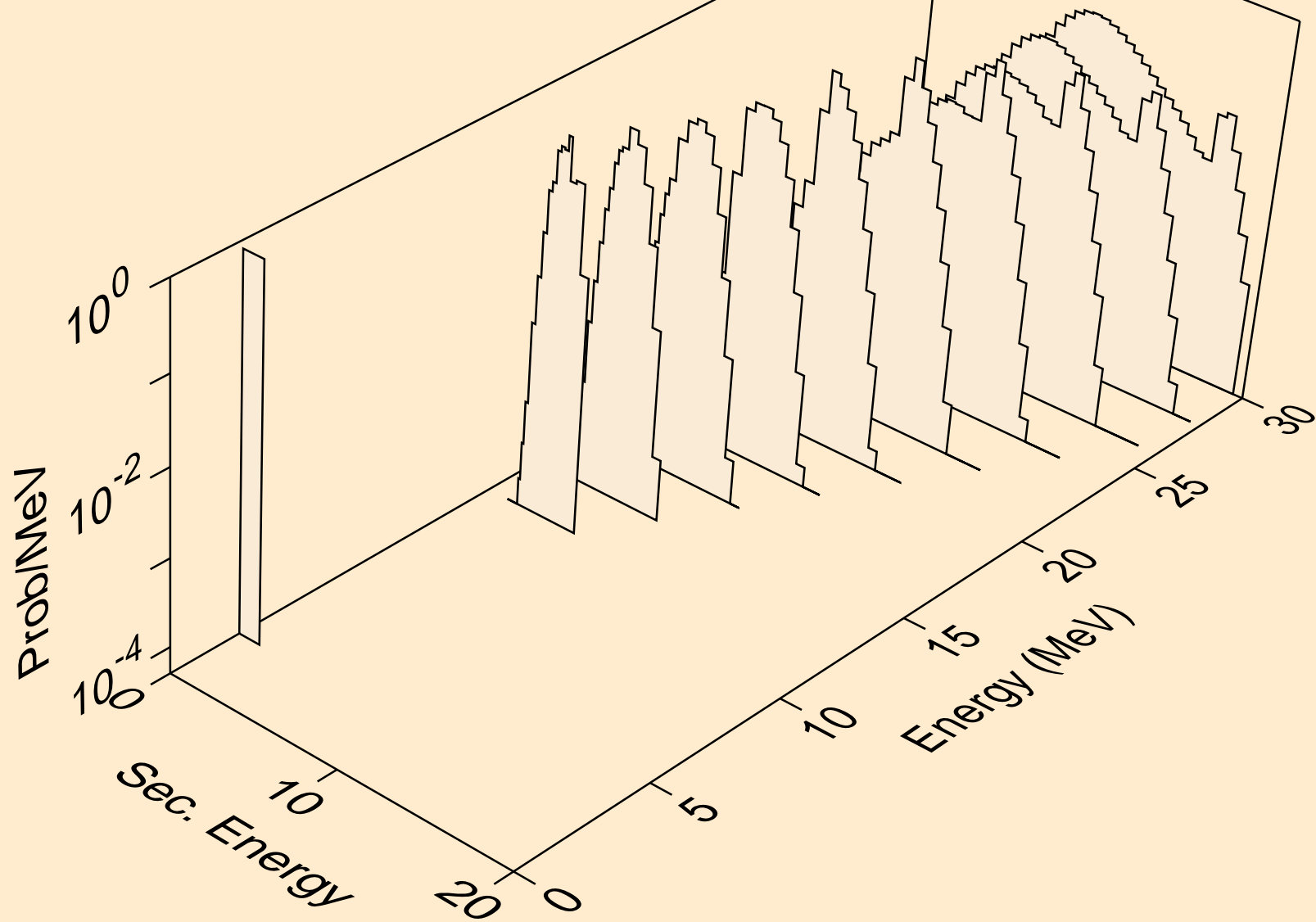




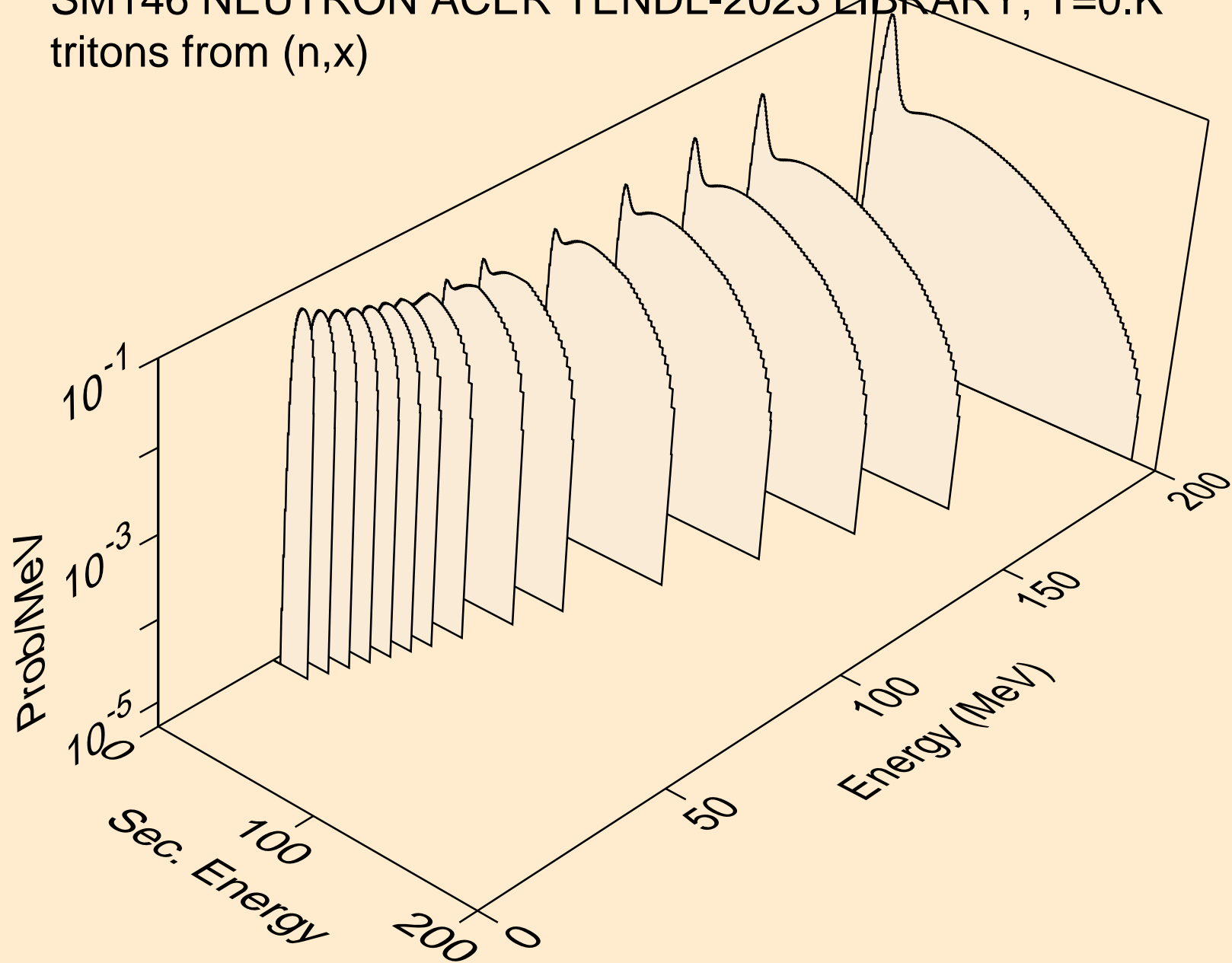
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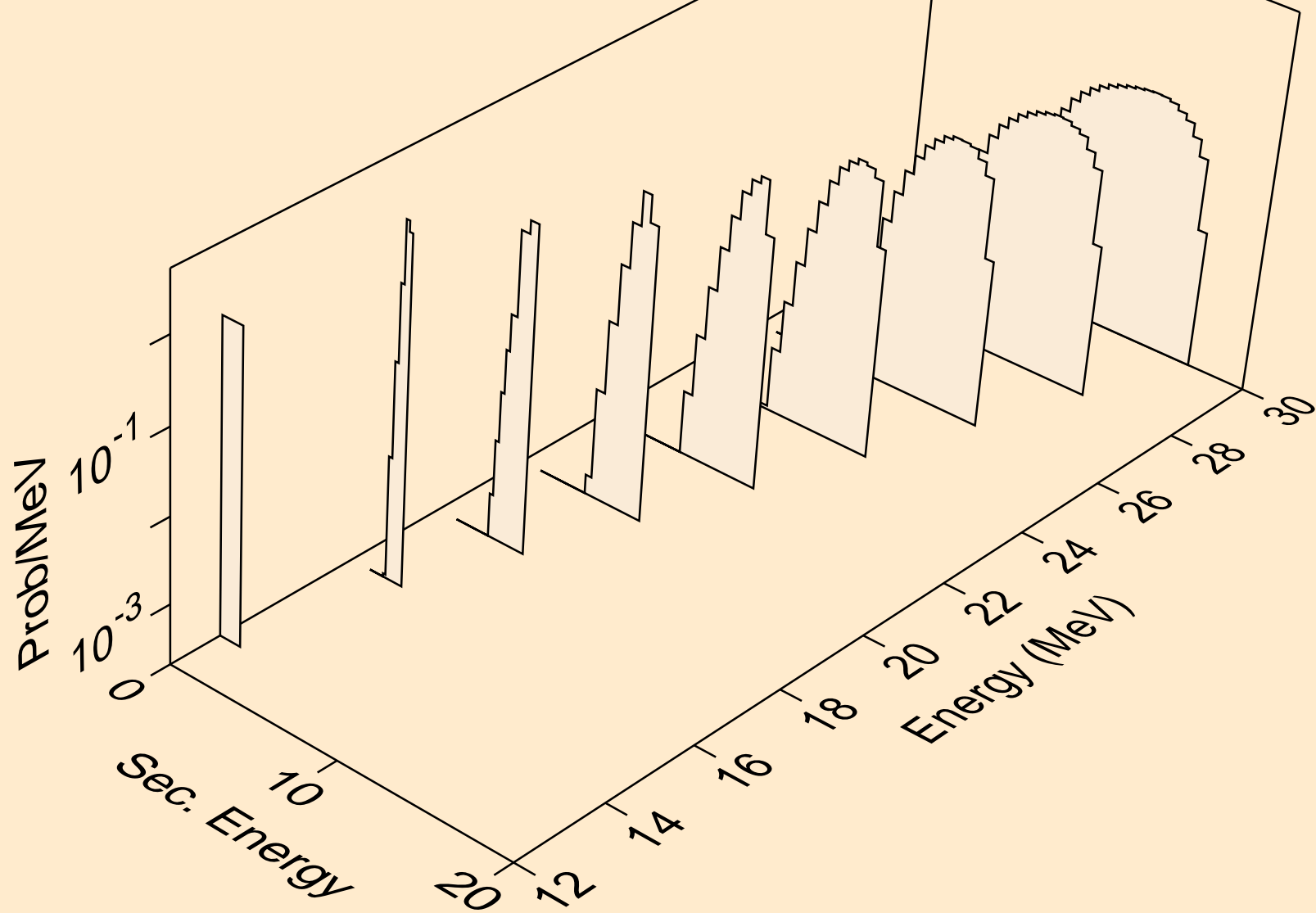
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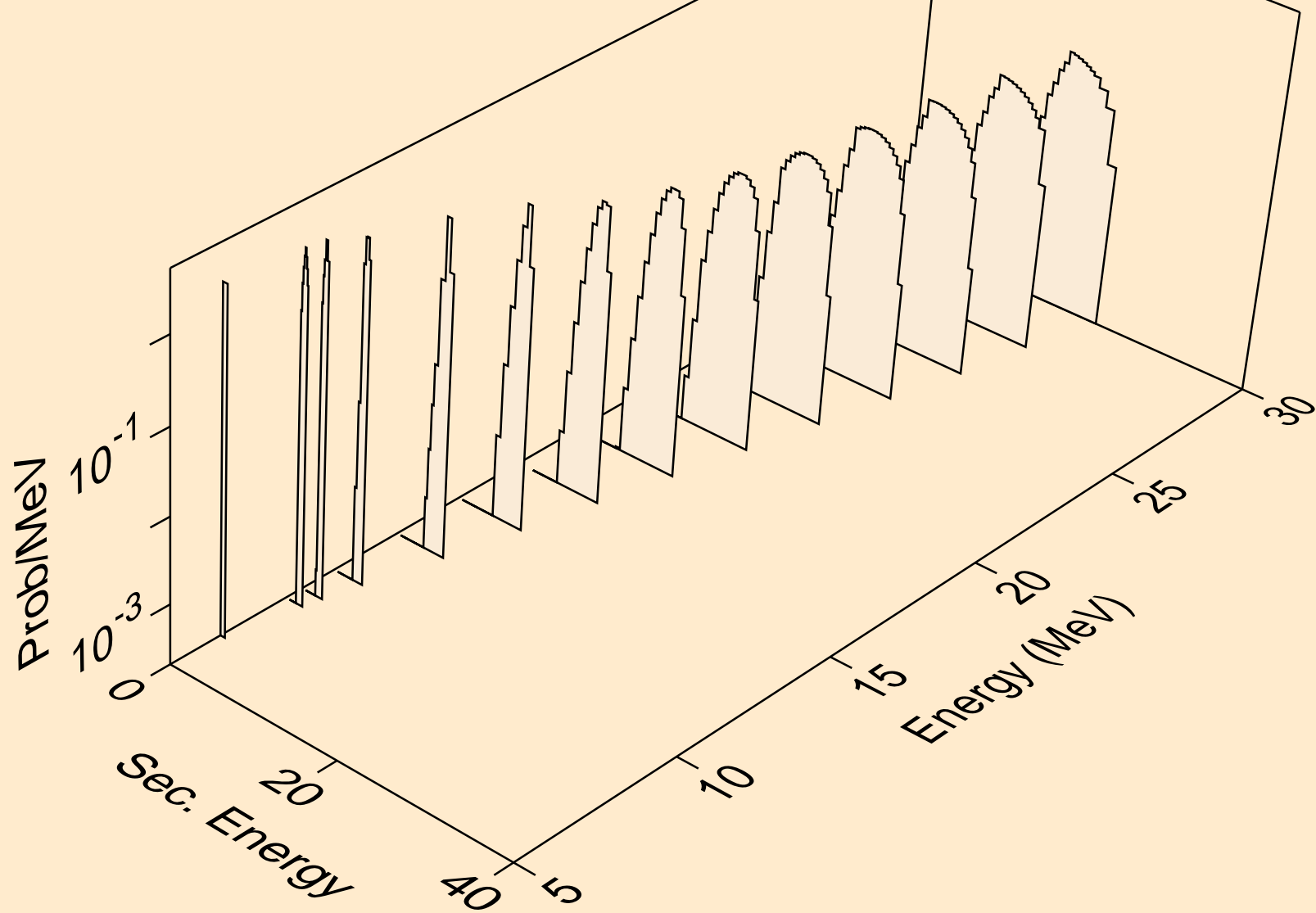
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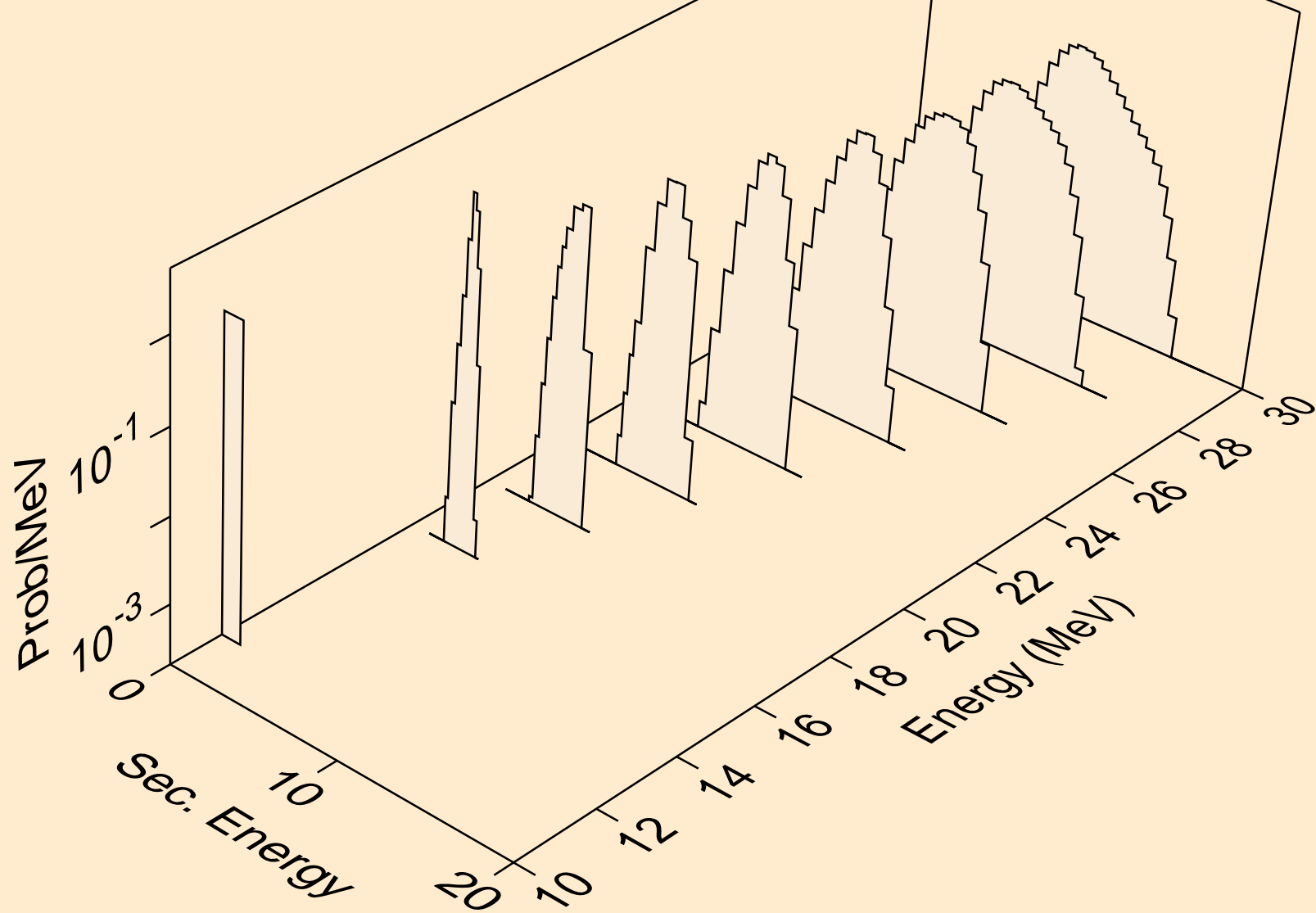
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tritons from (n,n\*)t



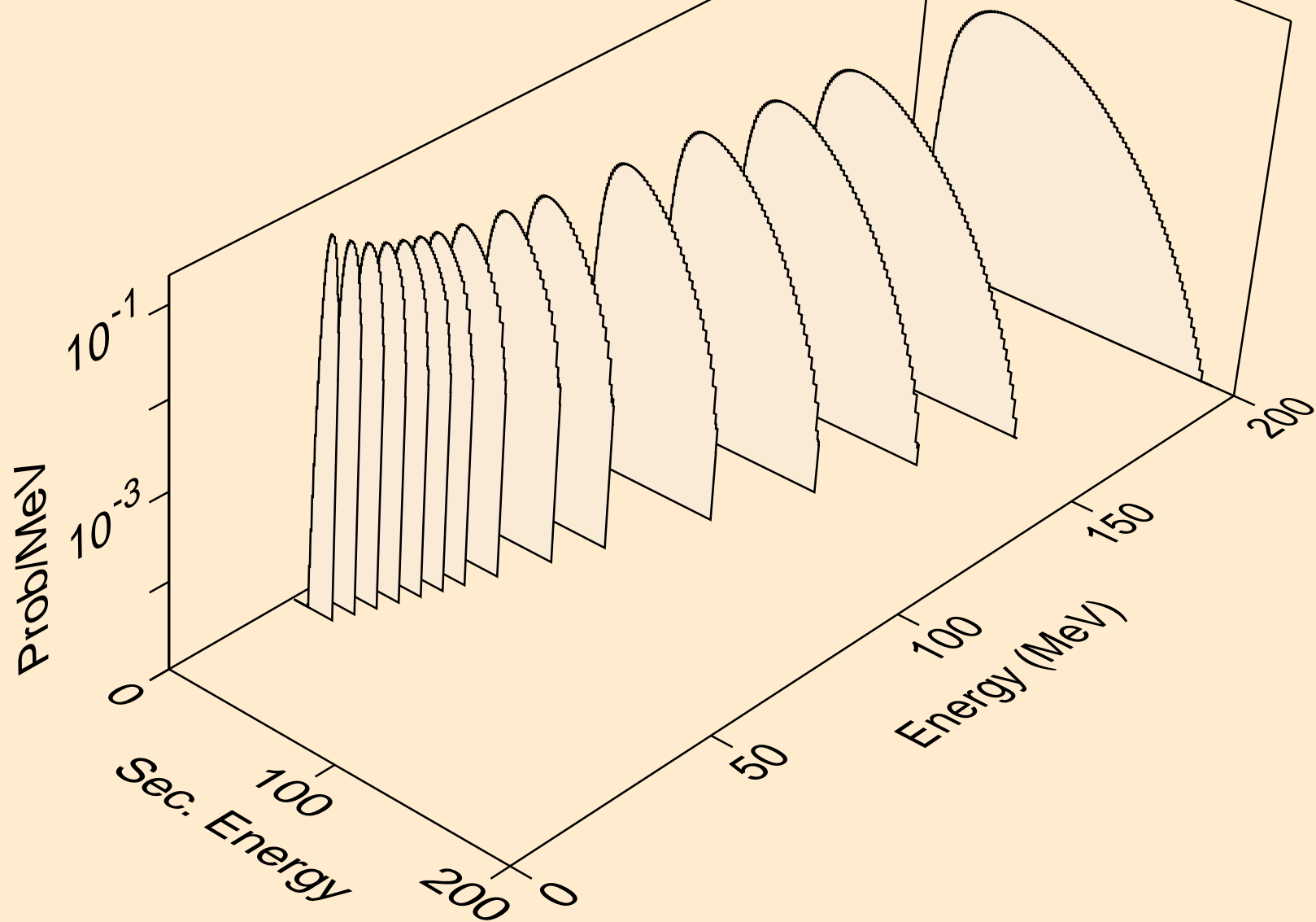
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tritons from (n,t)



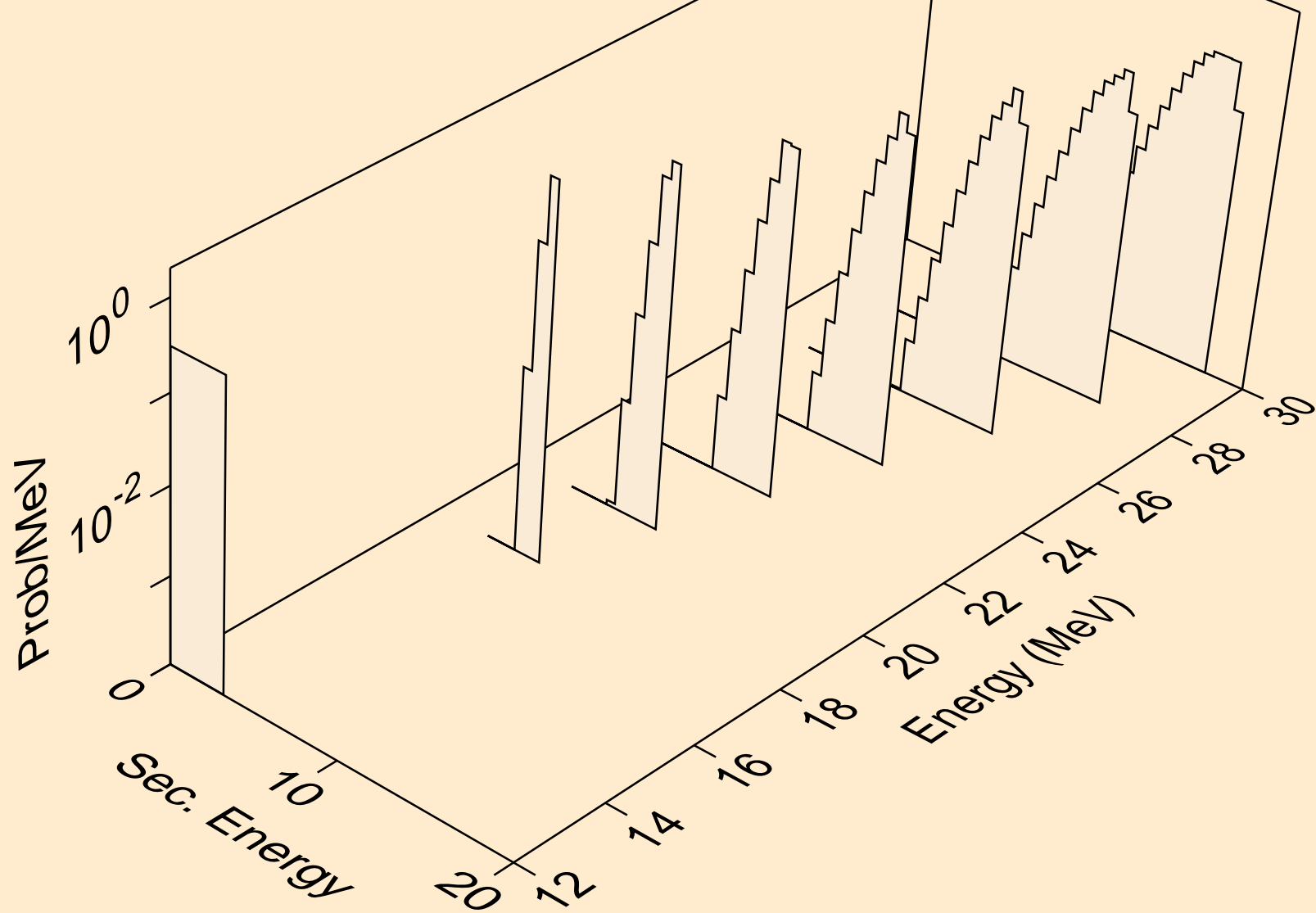
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

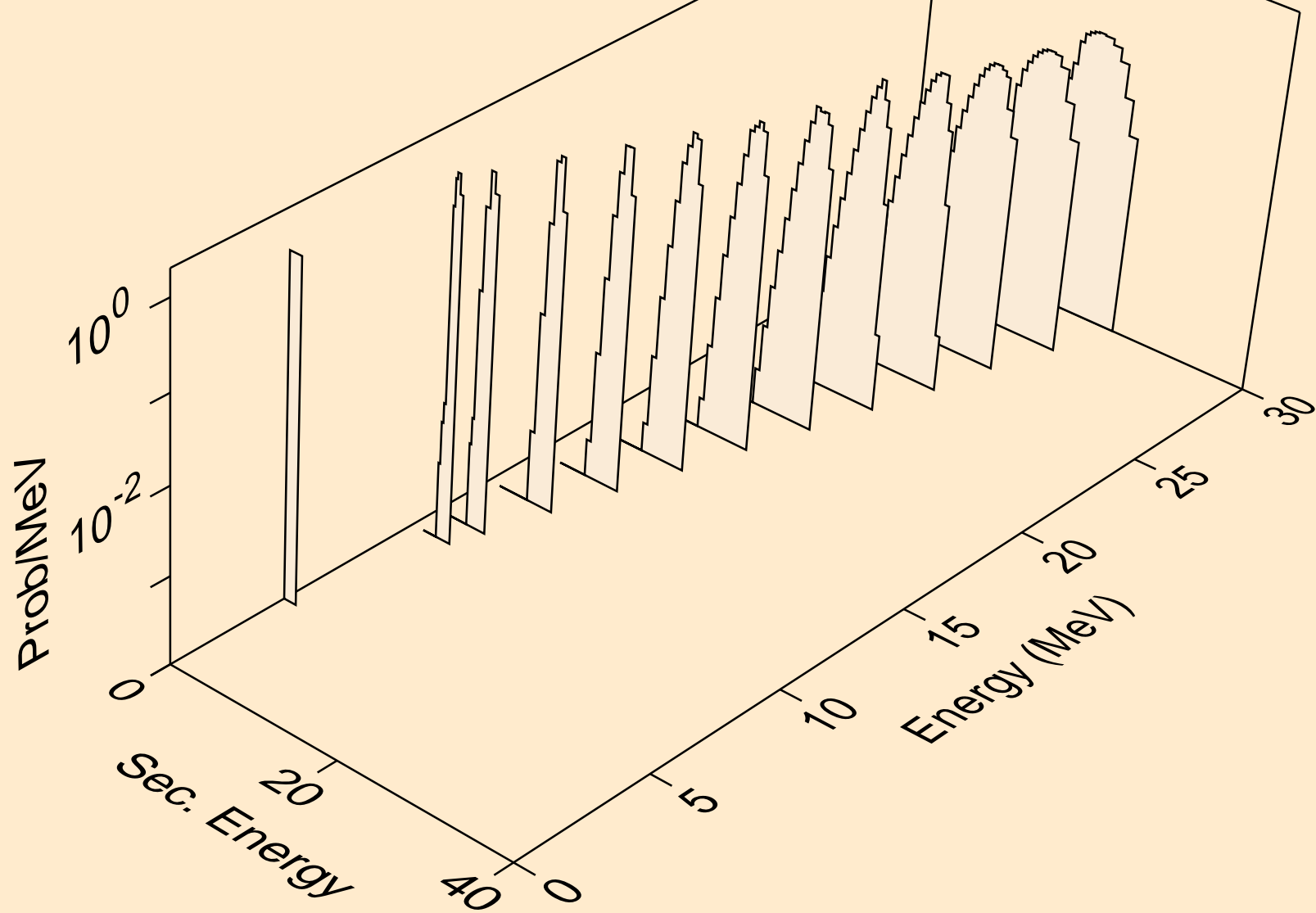


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he3s from (n,n\*)he3

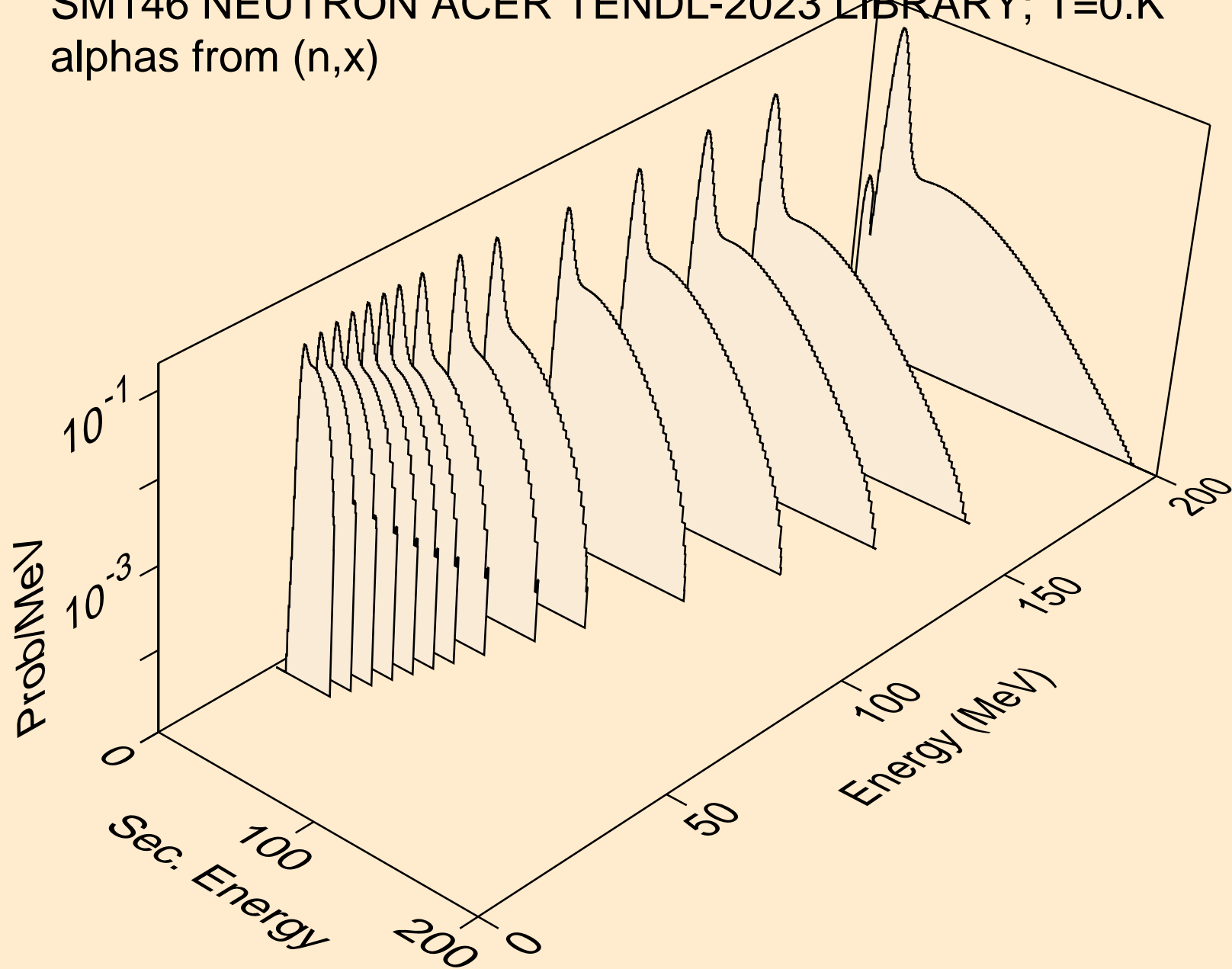




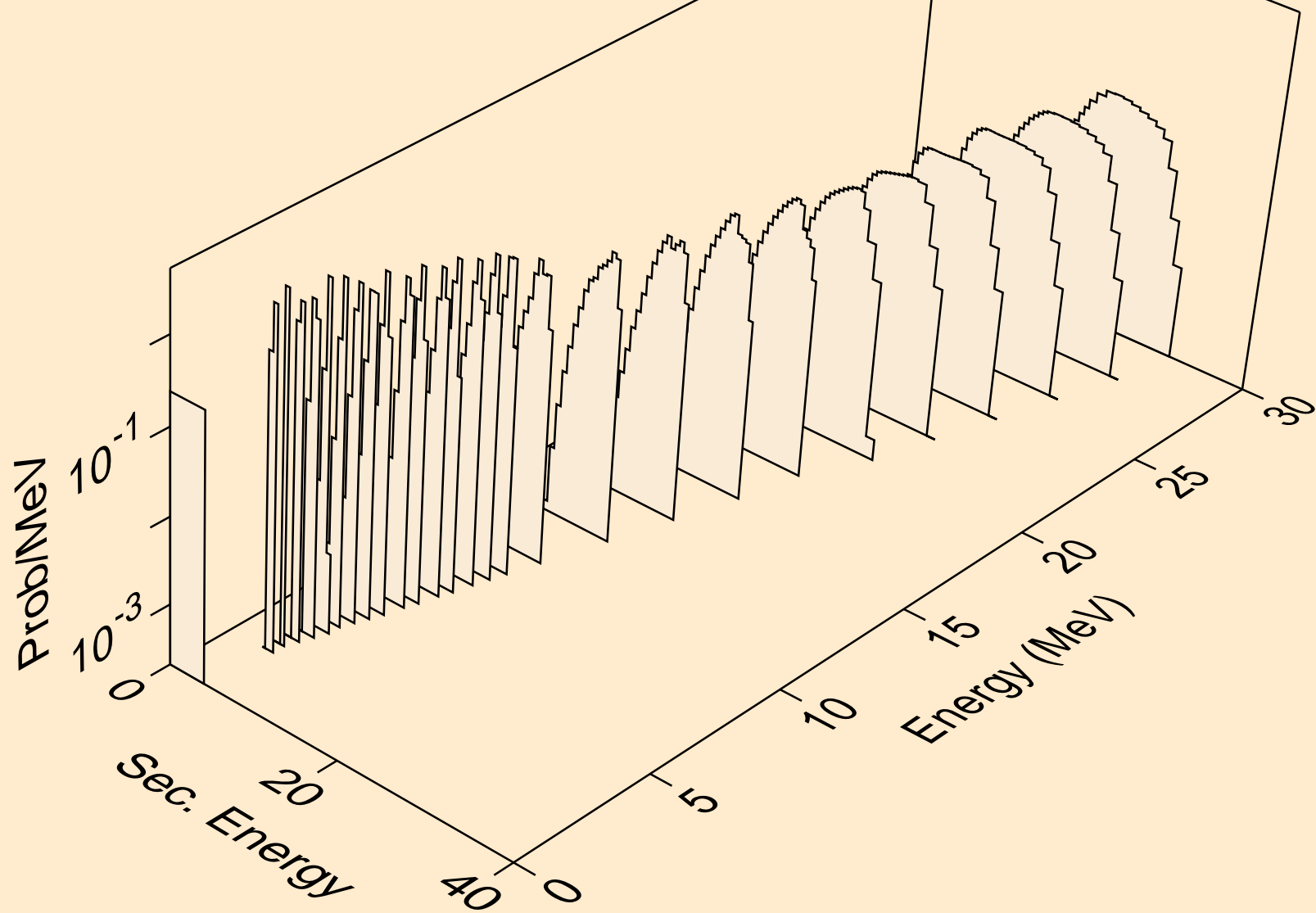
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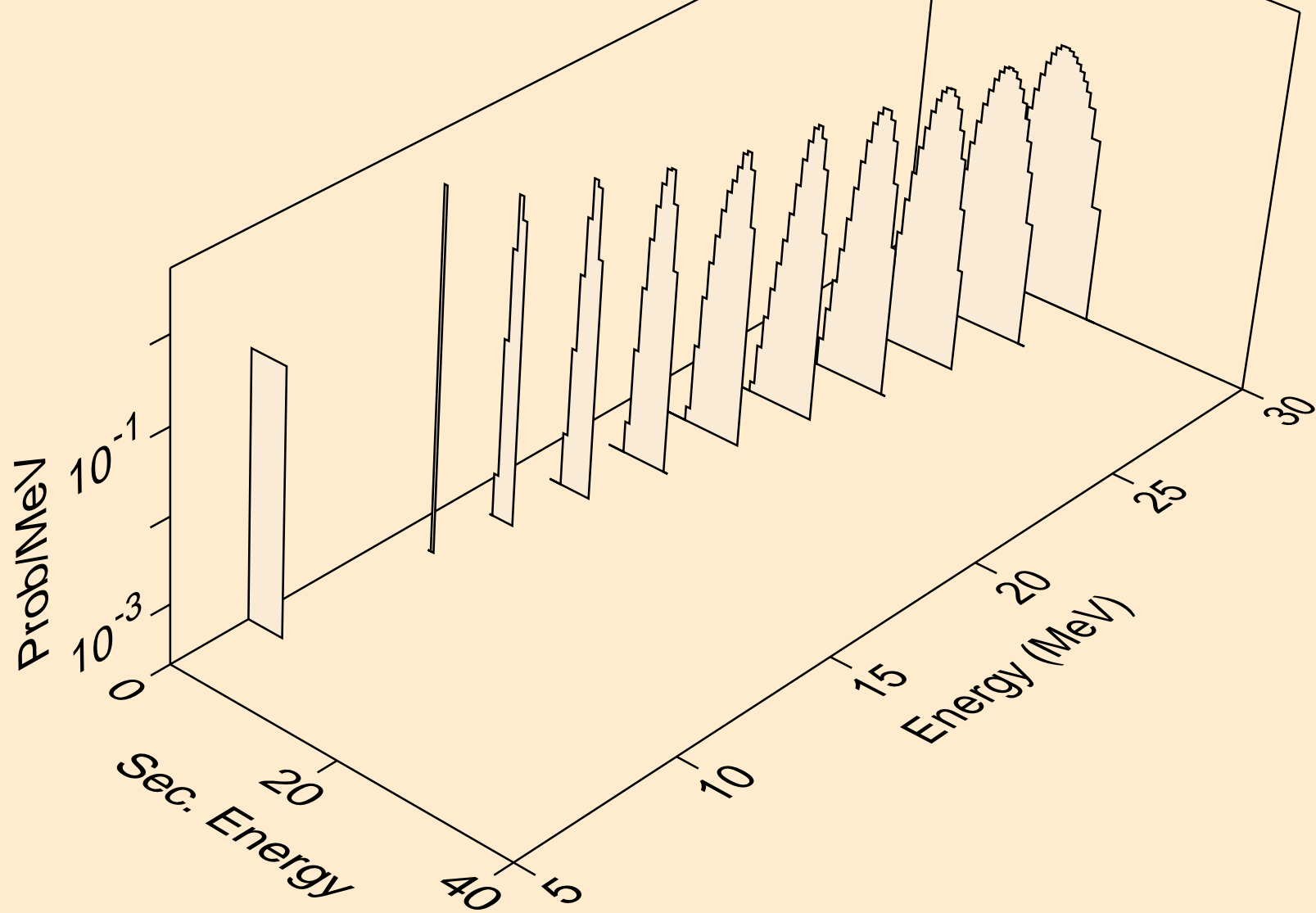
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



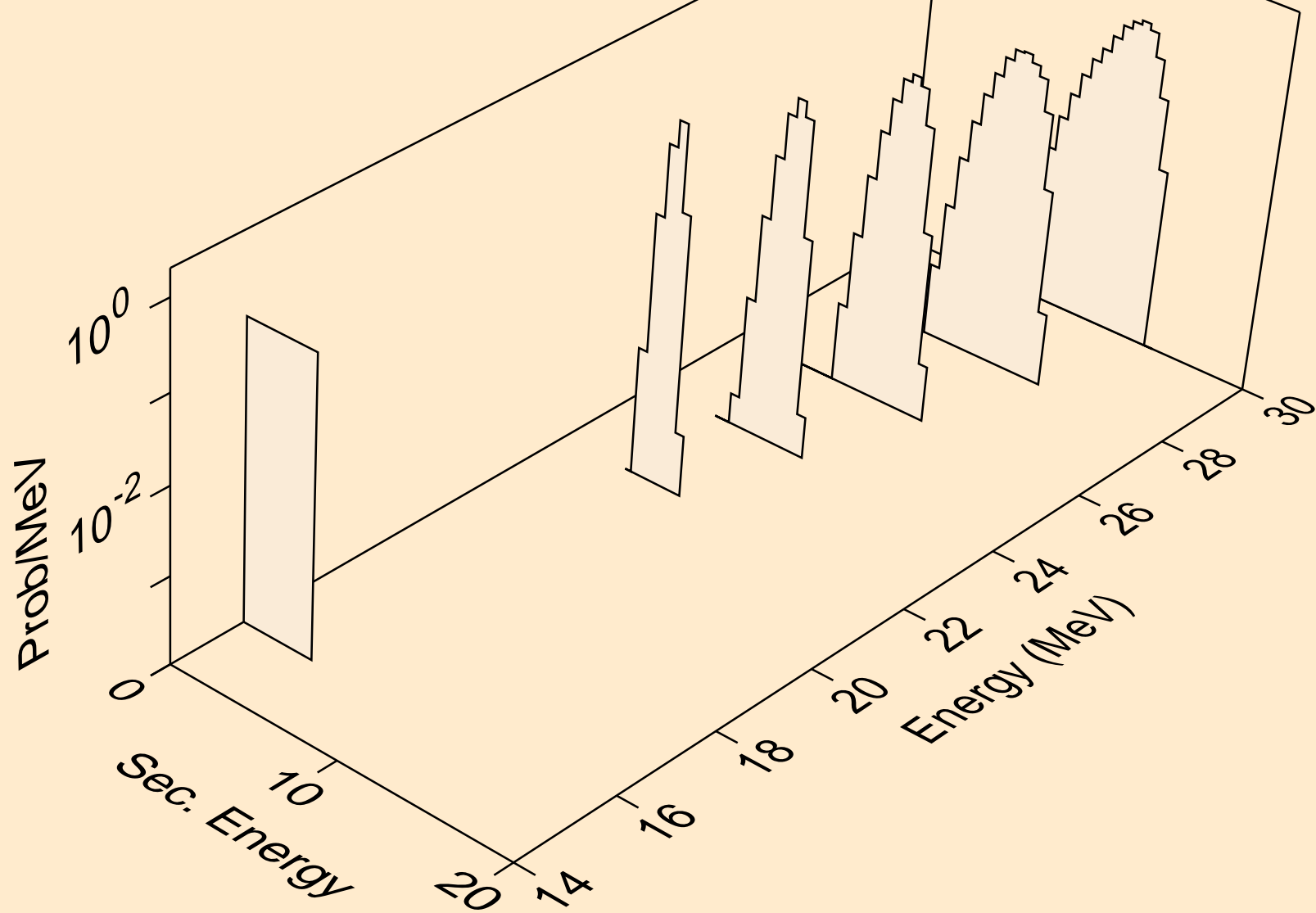
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



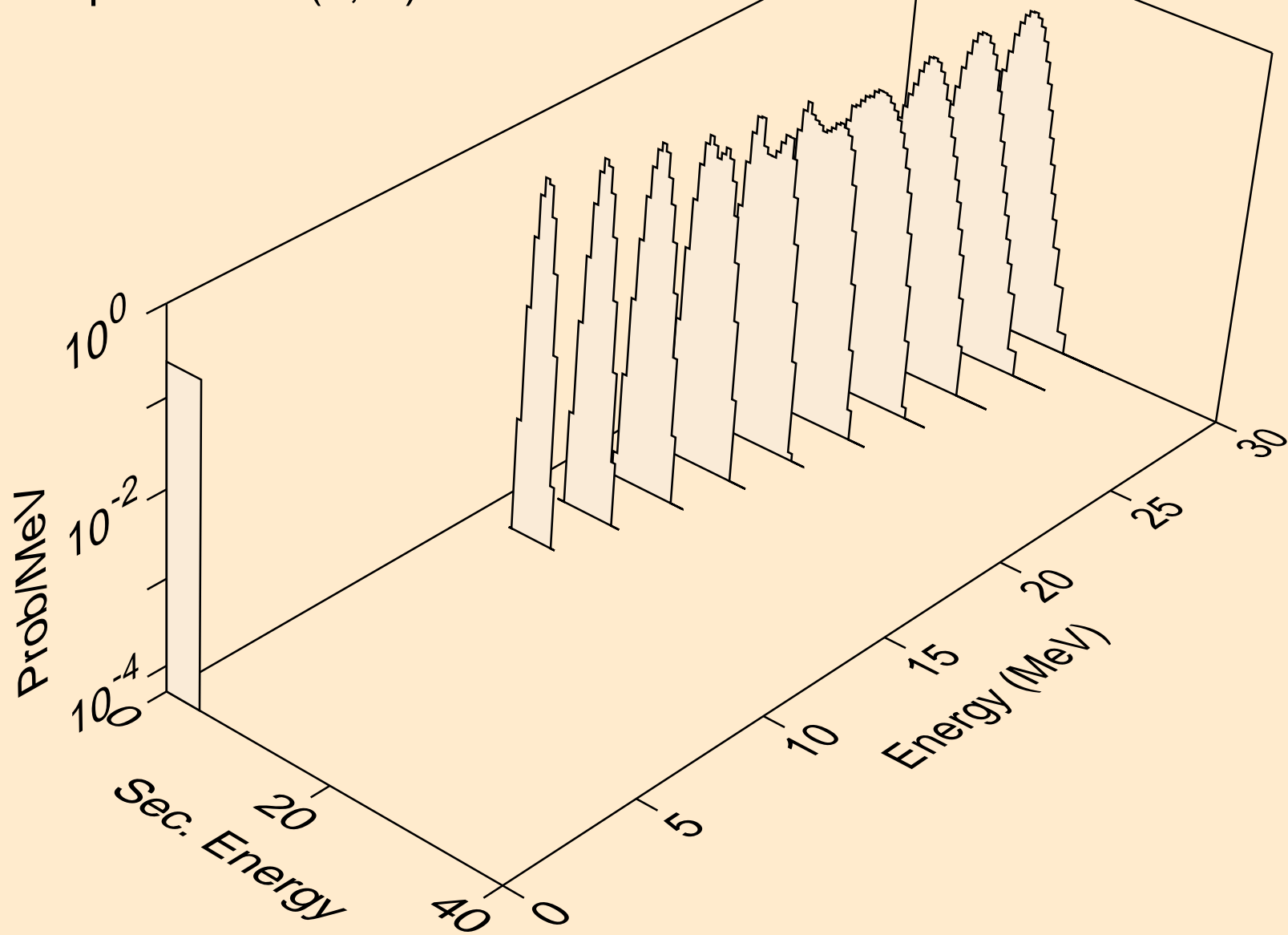
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alphas from (n,2n)a



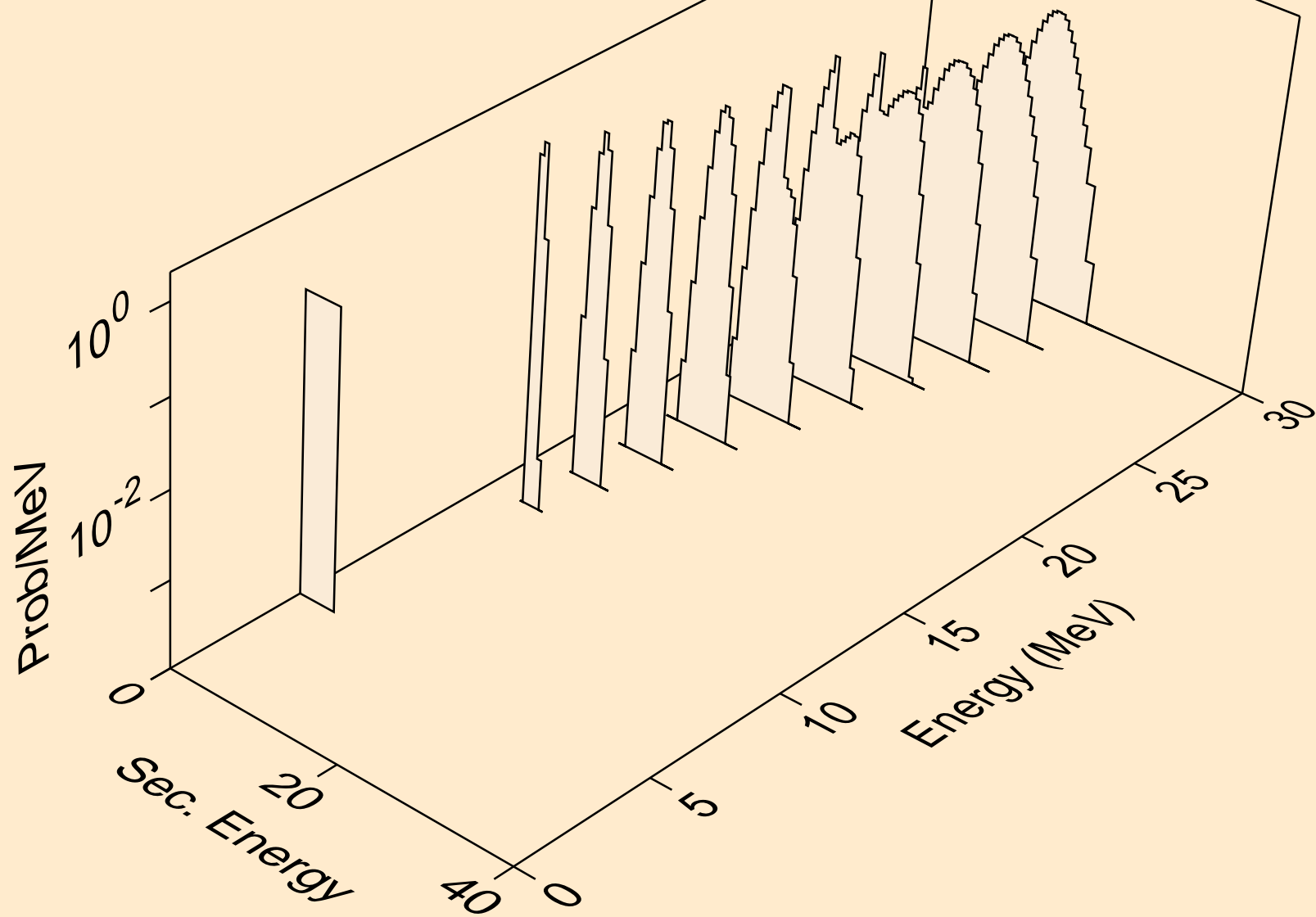
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alphas from (n,3n)a



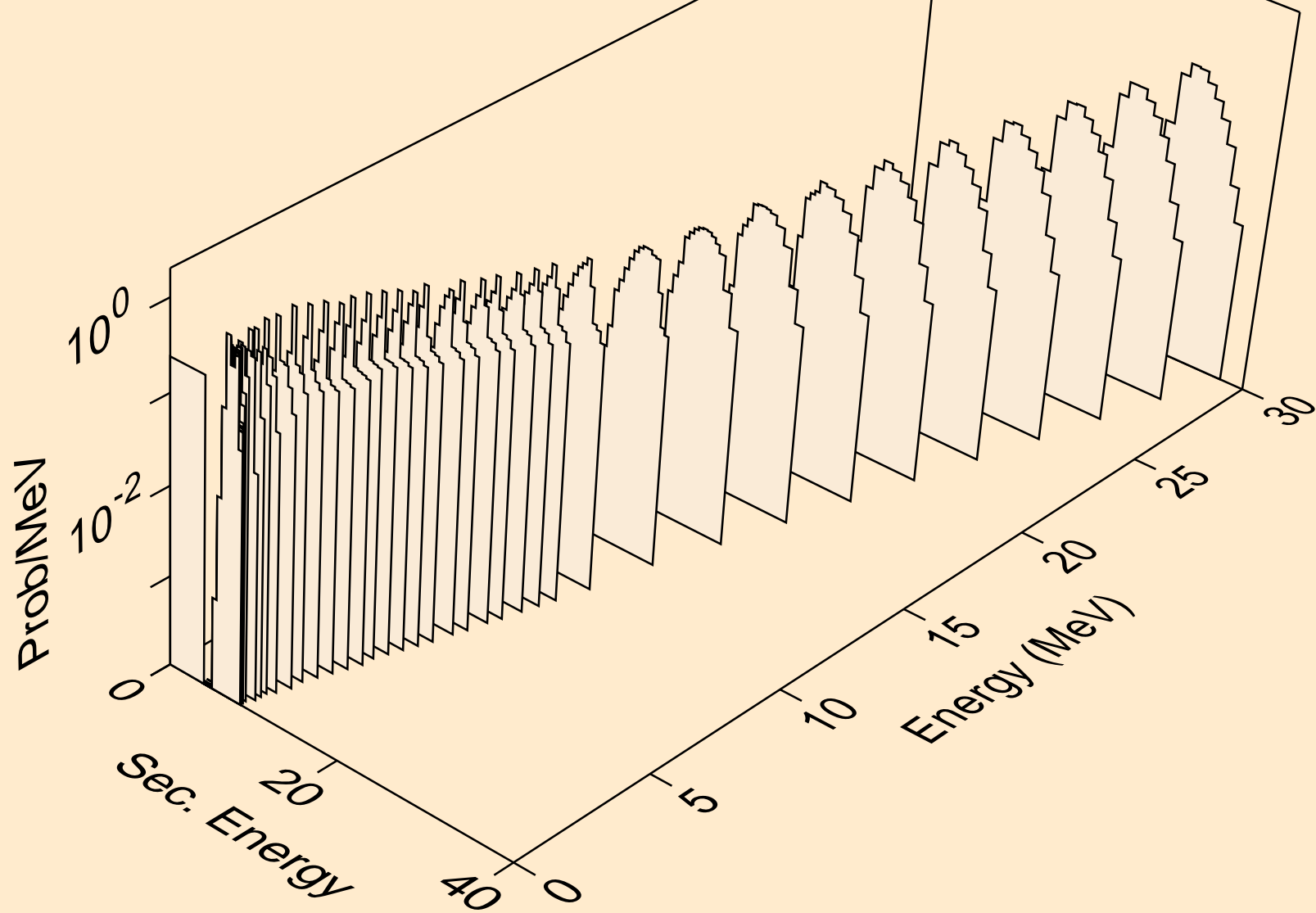
SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

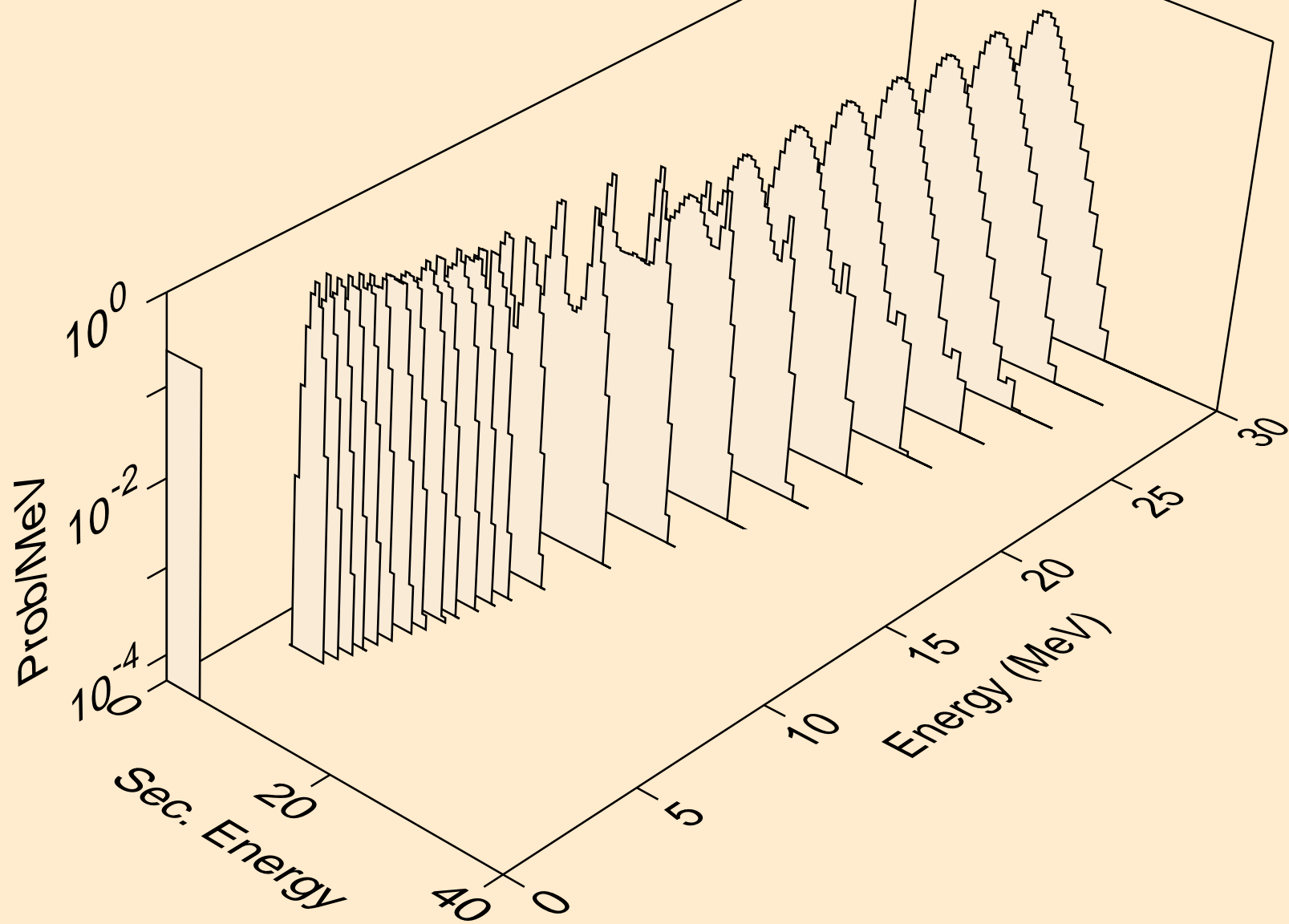


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alphas from (n,a)

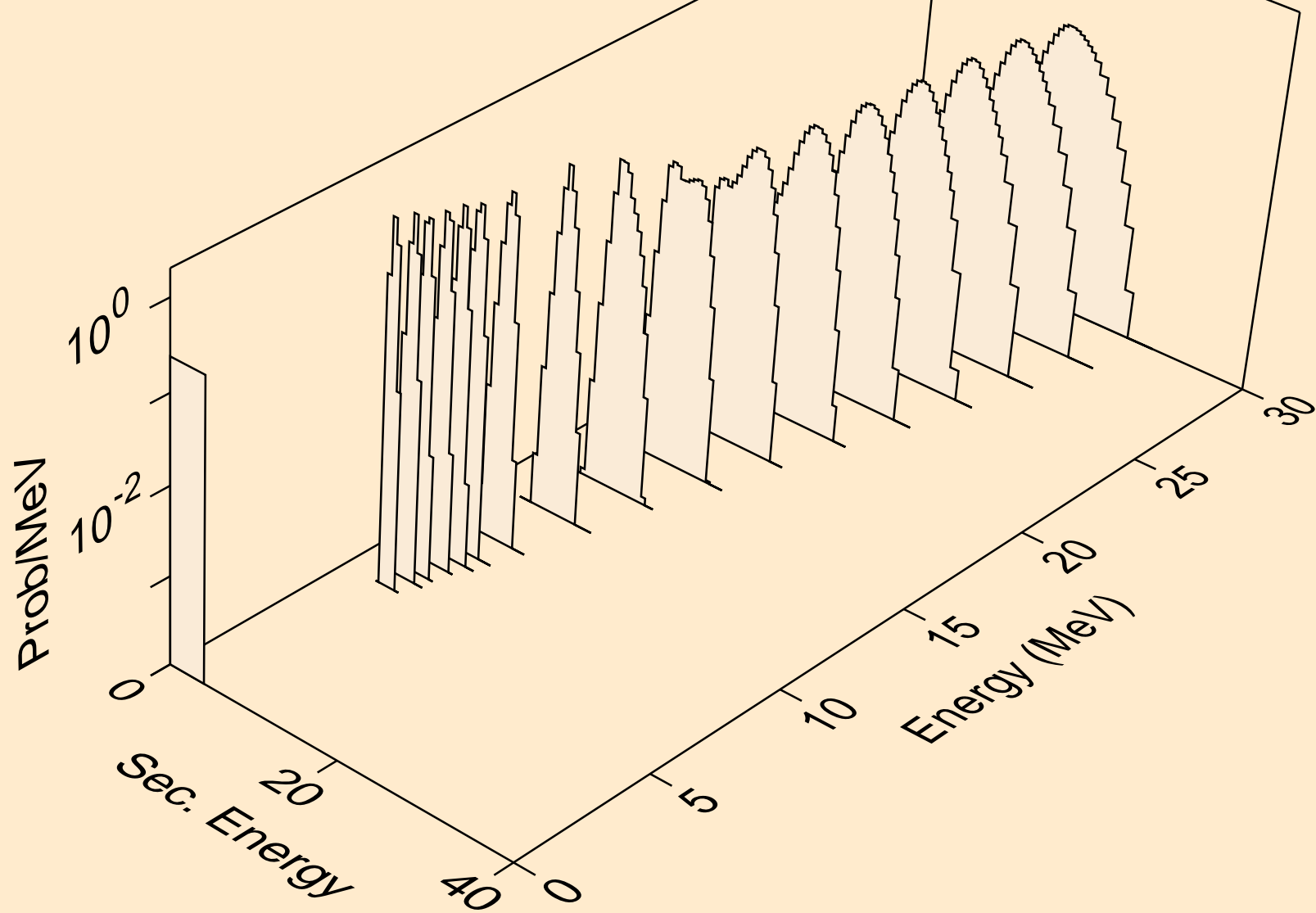




SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SM146 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

