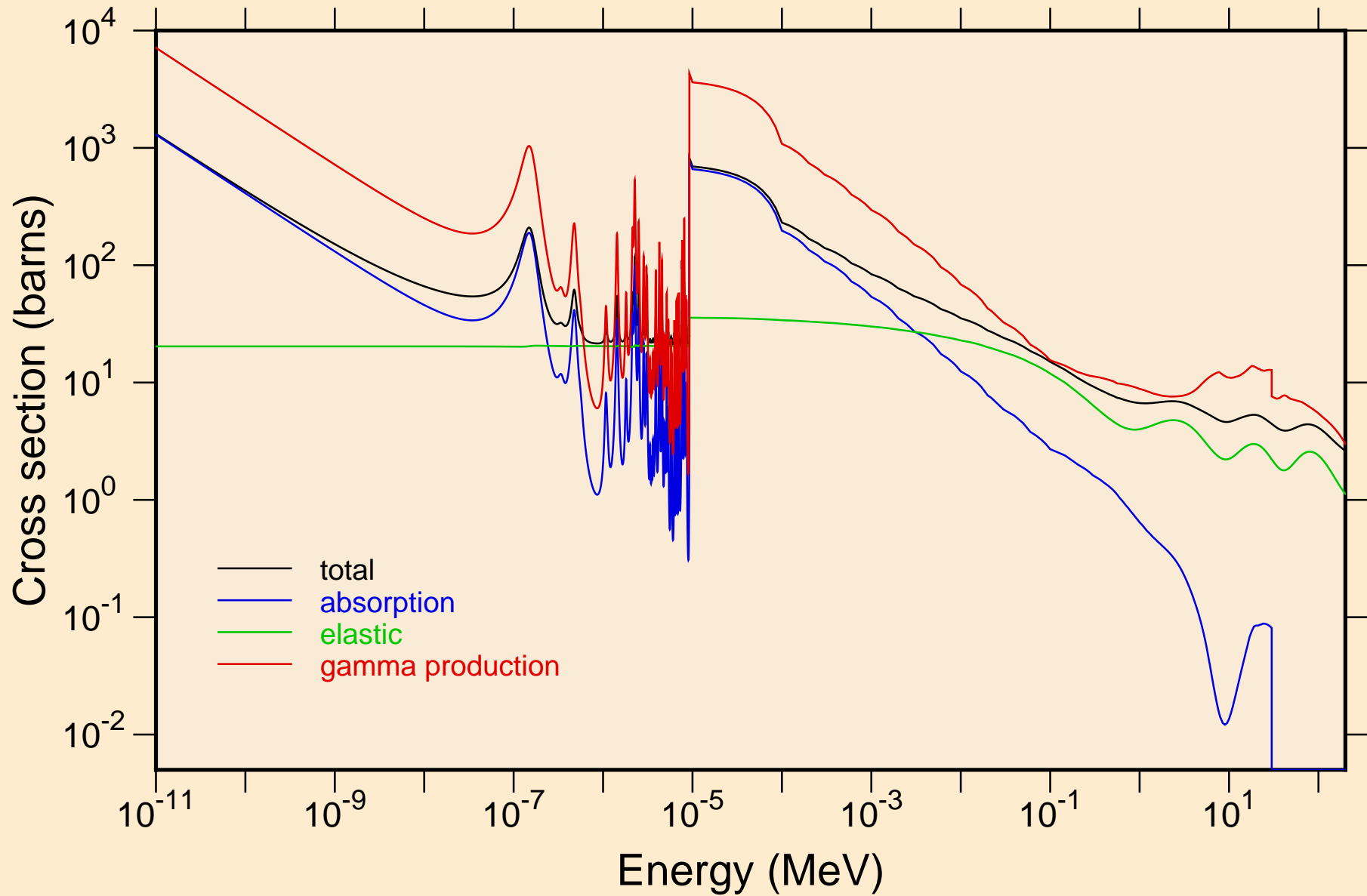
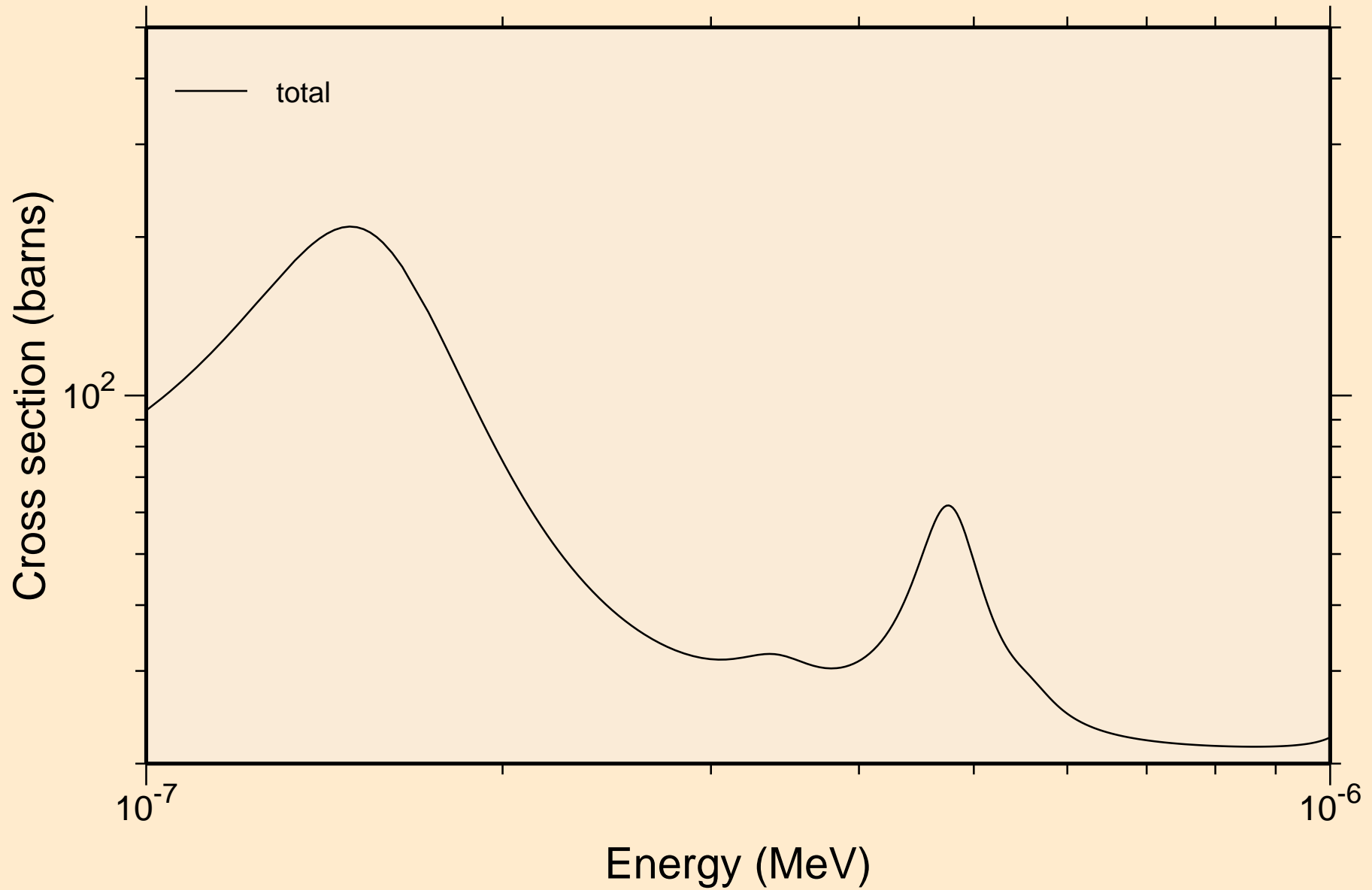


# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

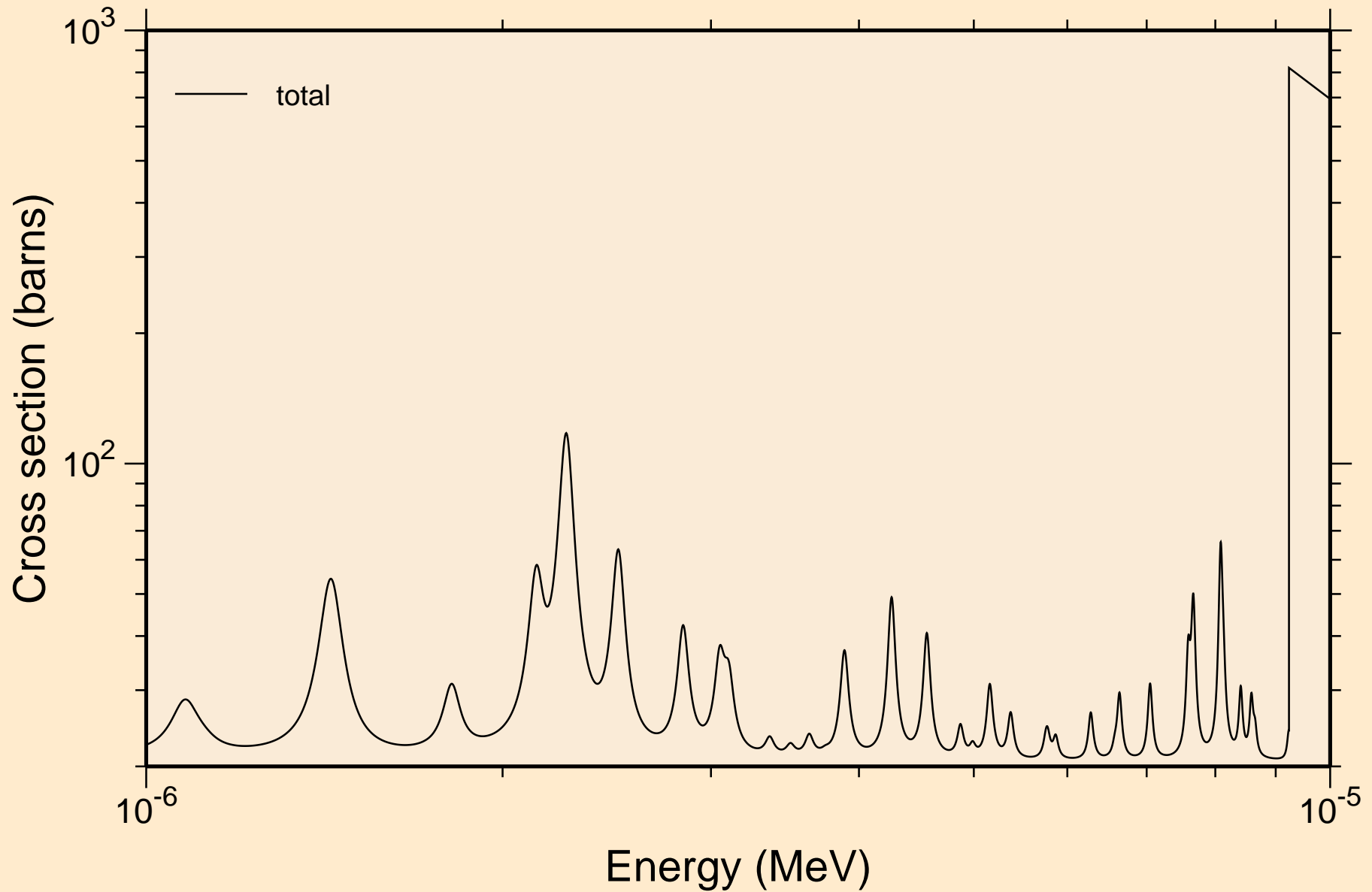
## Principal cross sections



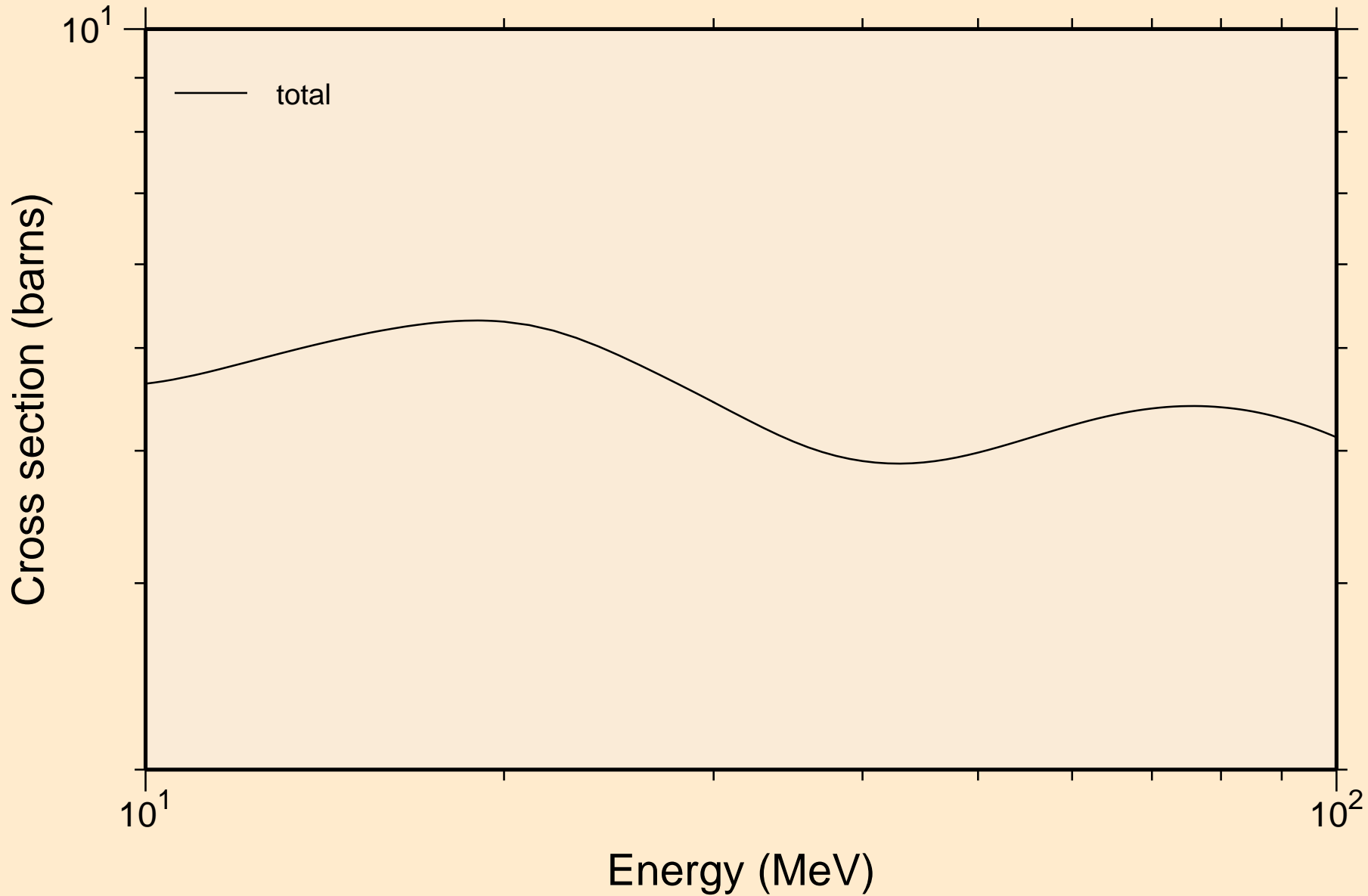
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



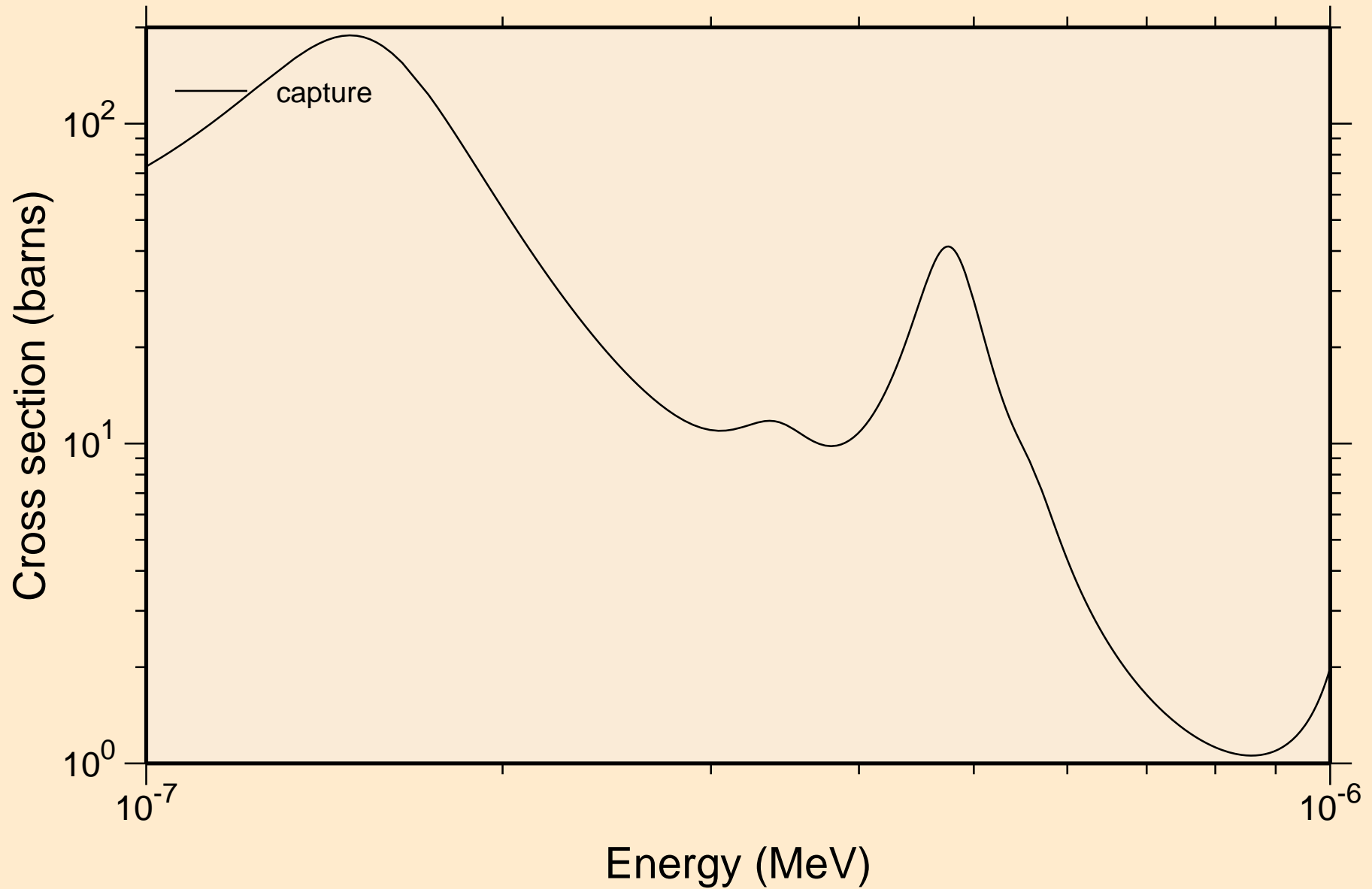
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



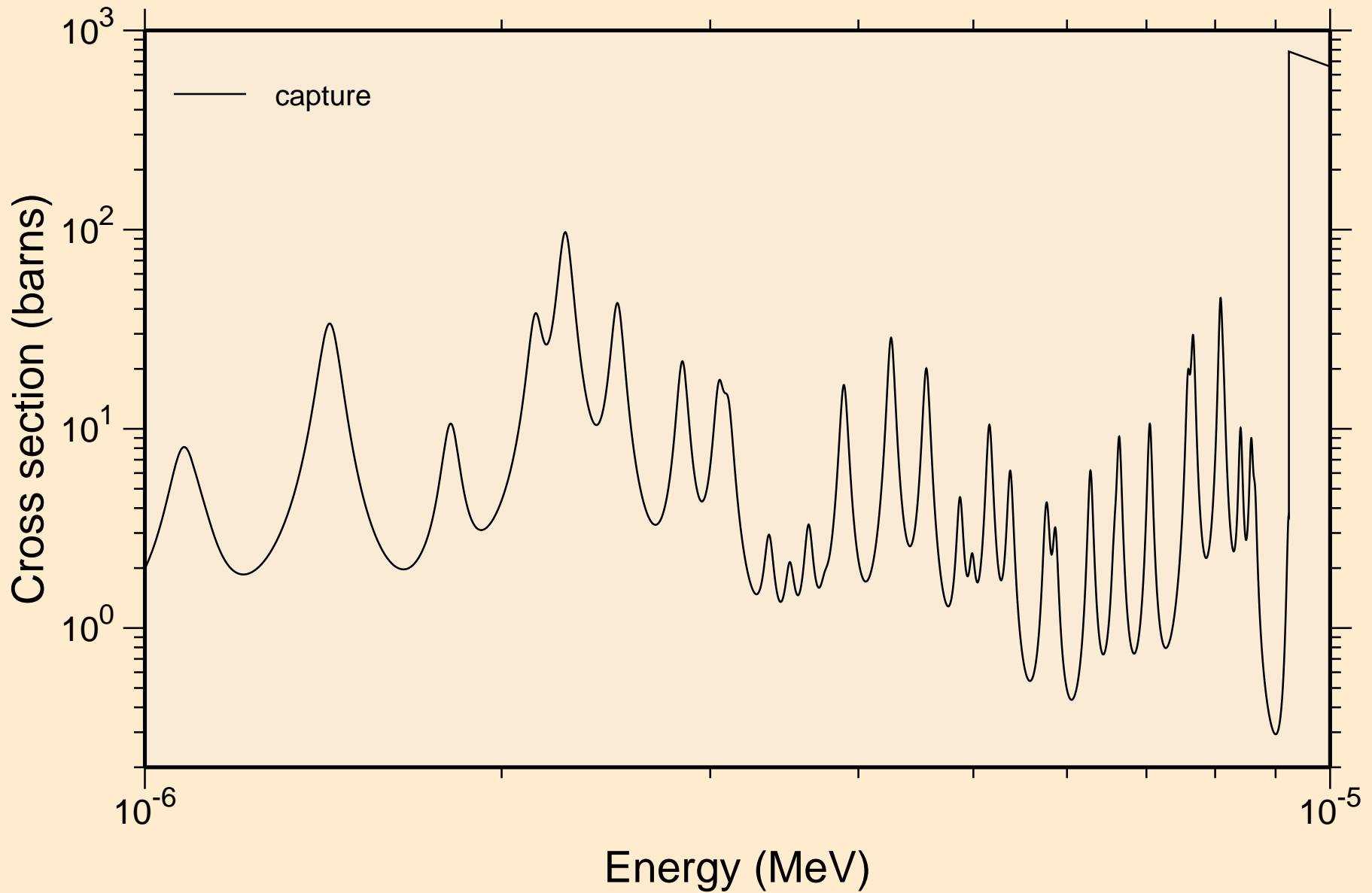
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



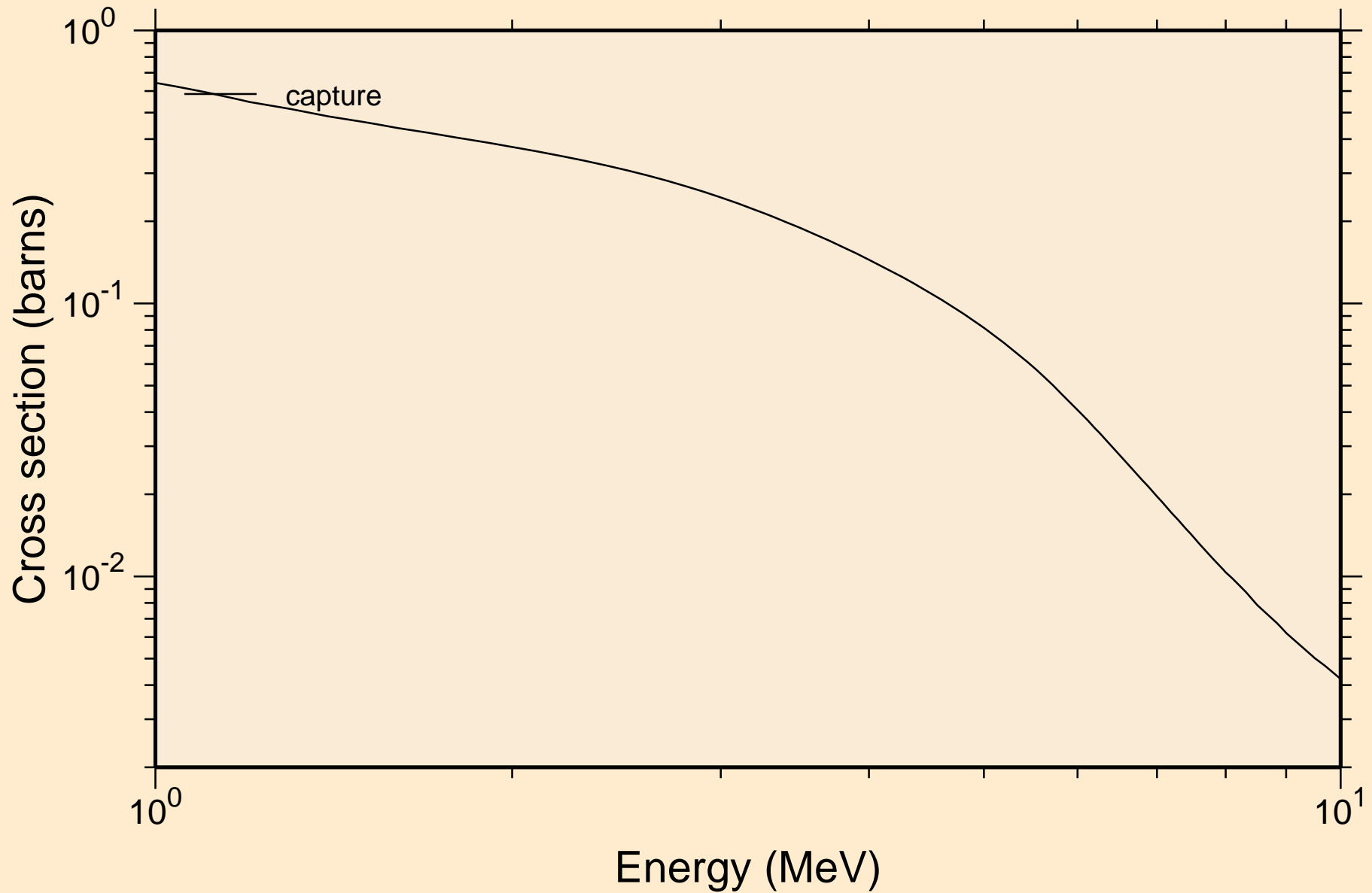
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



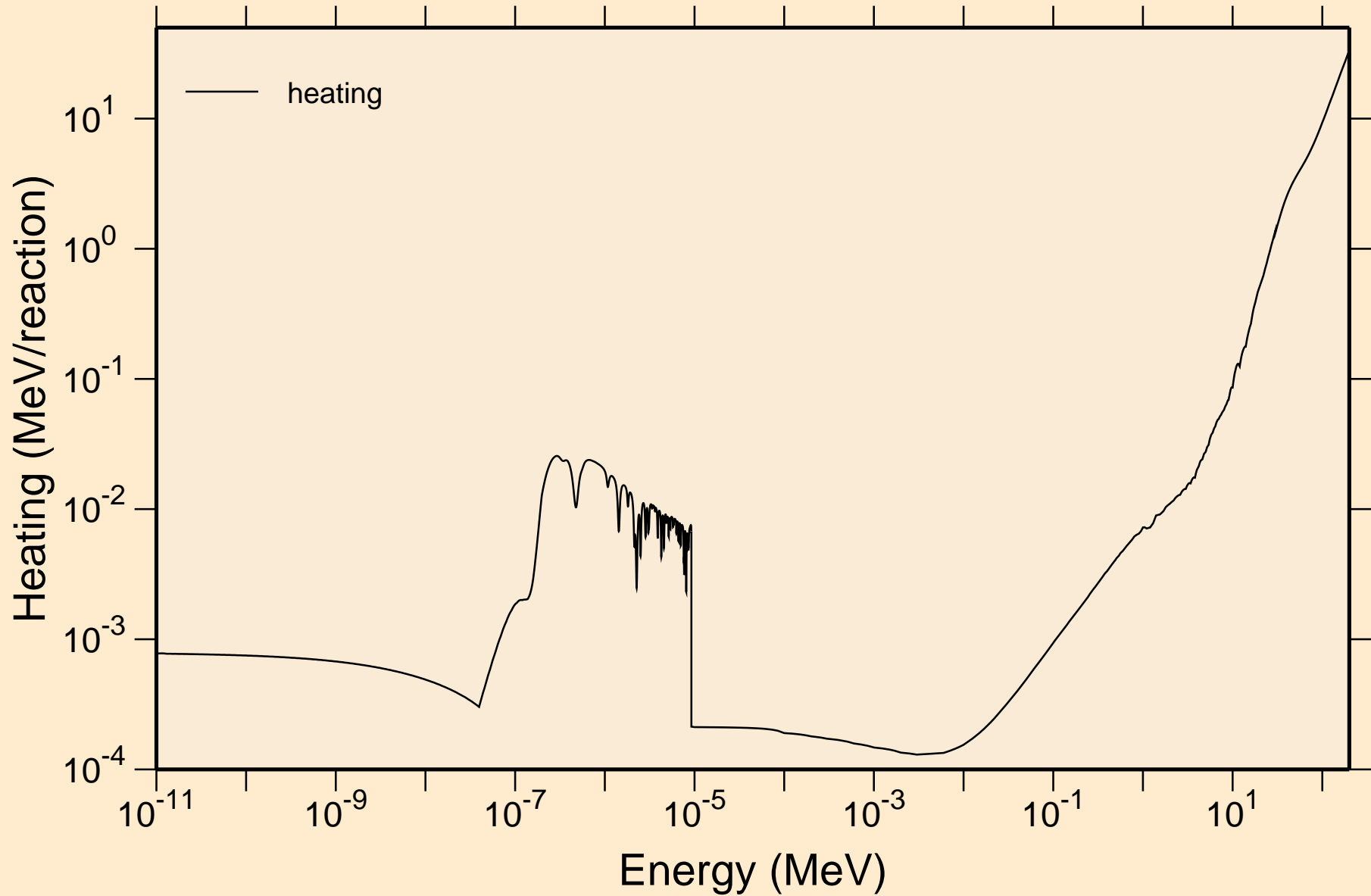
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



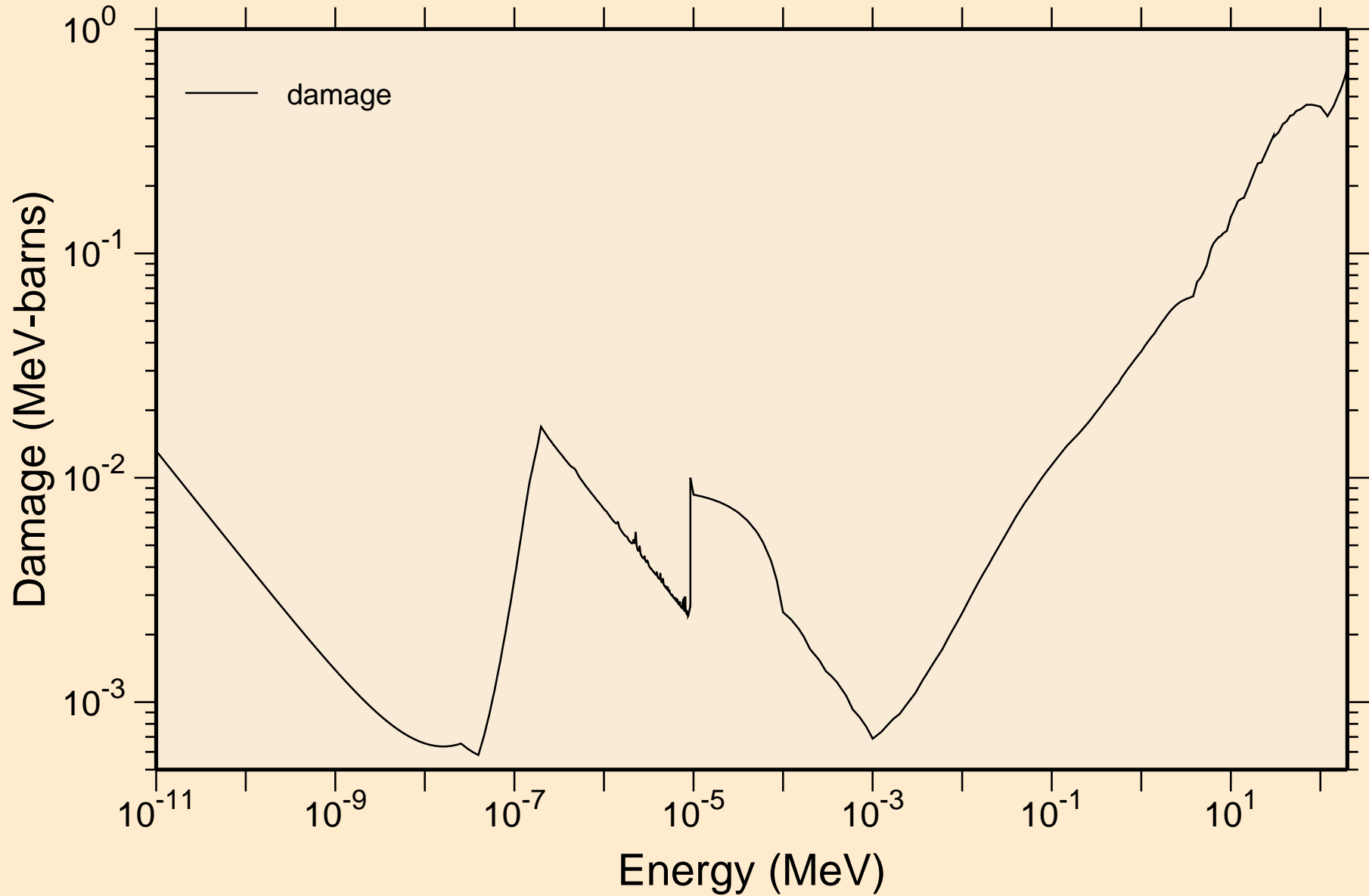
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating





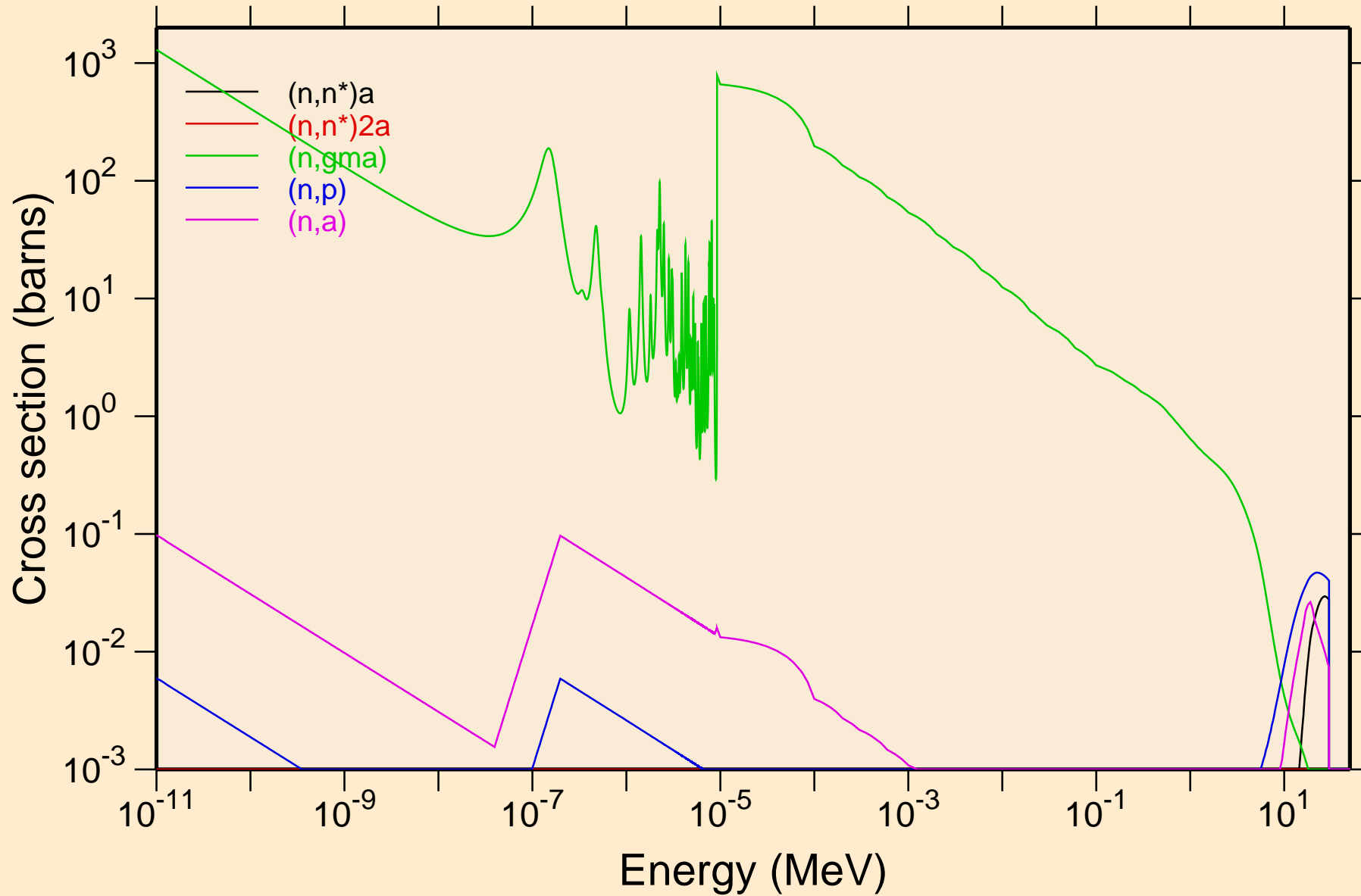
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



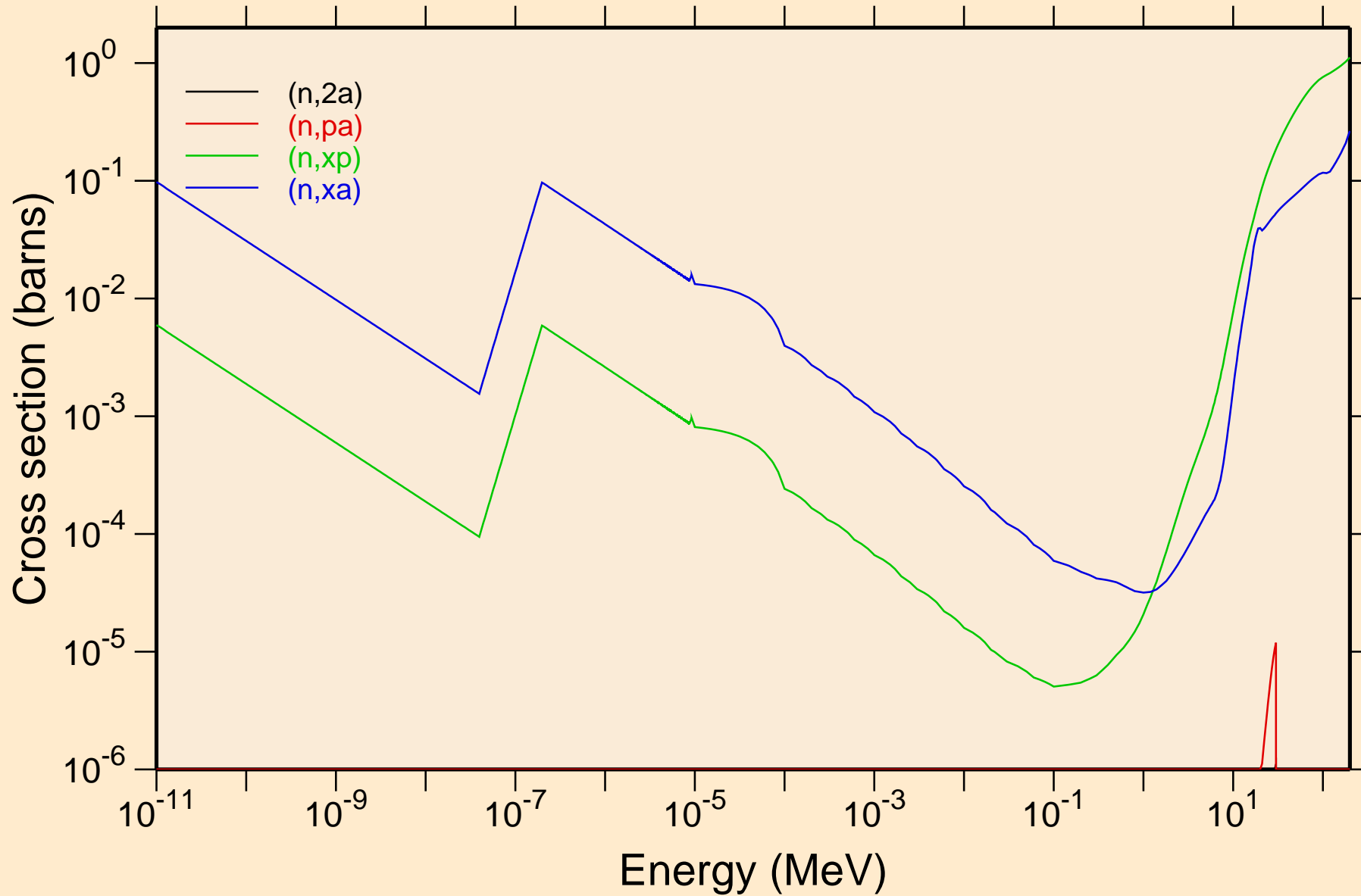
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



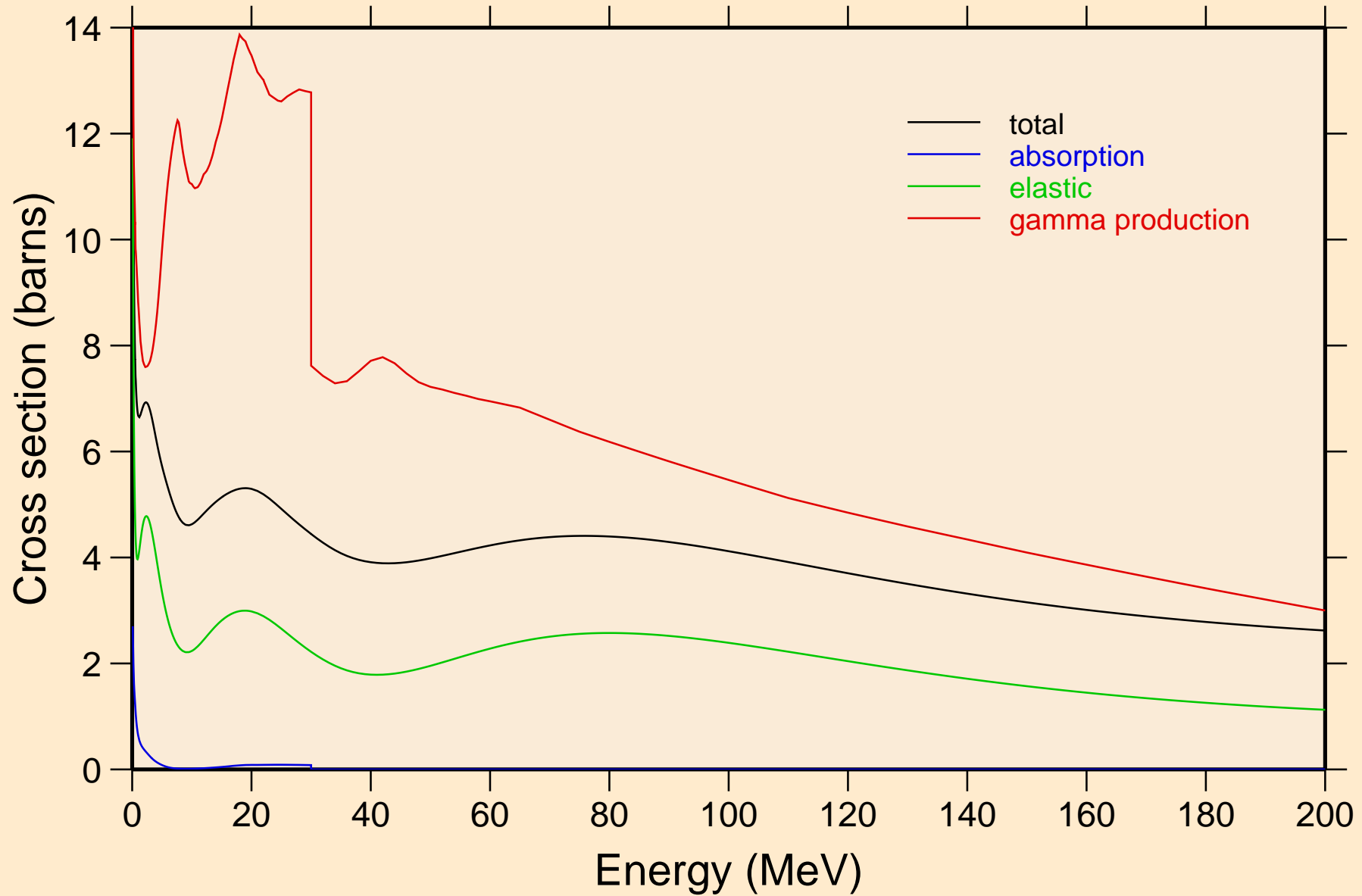
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



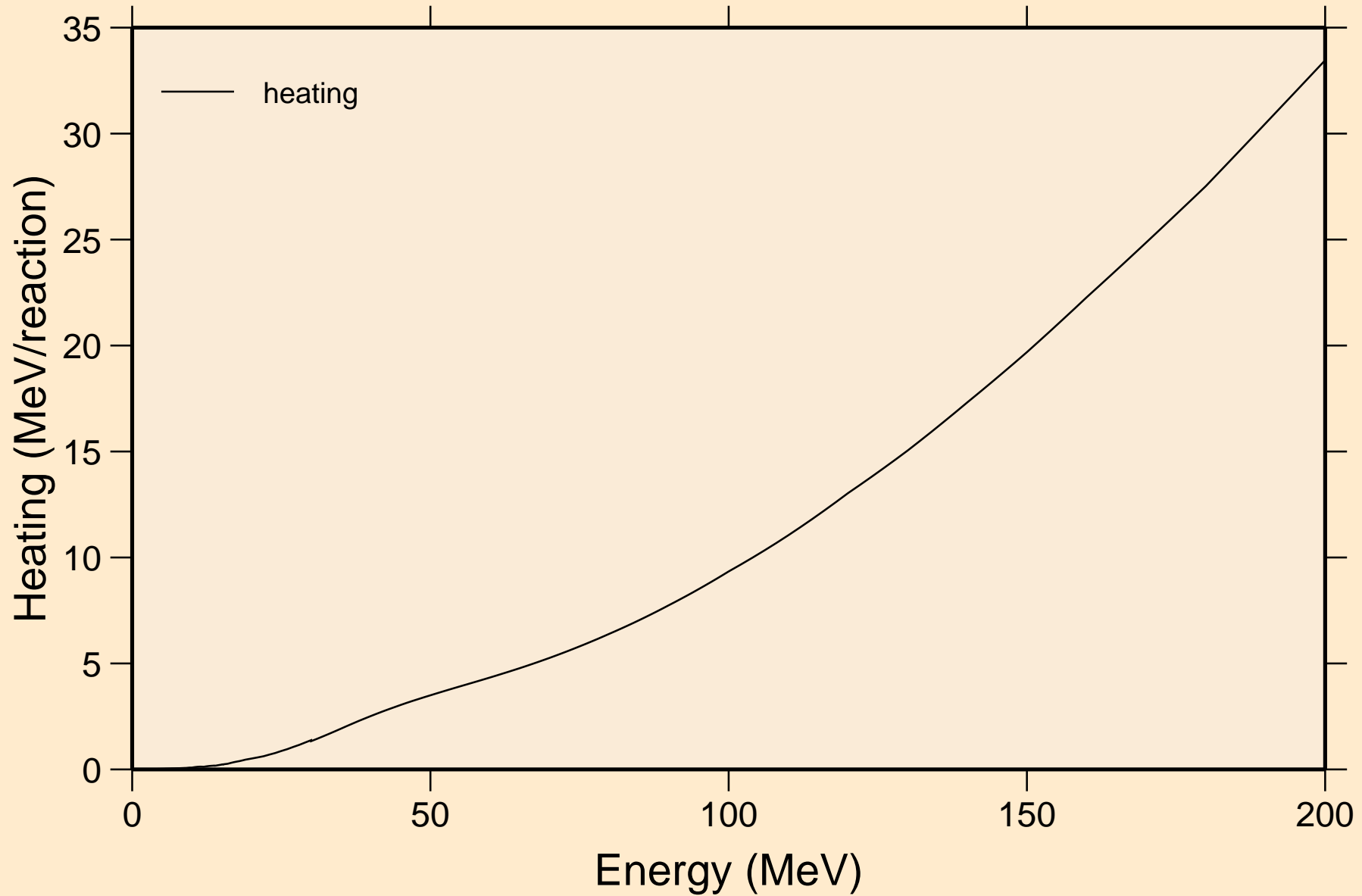
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



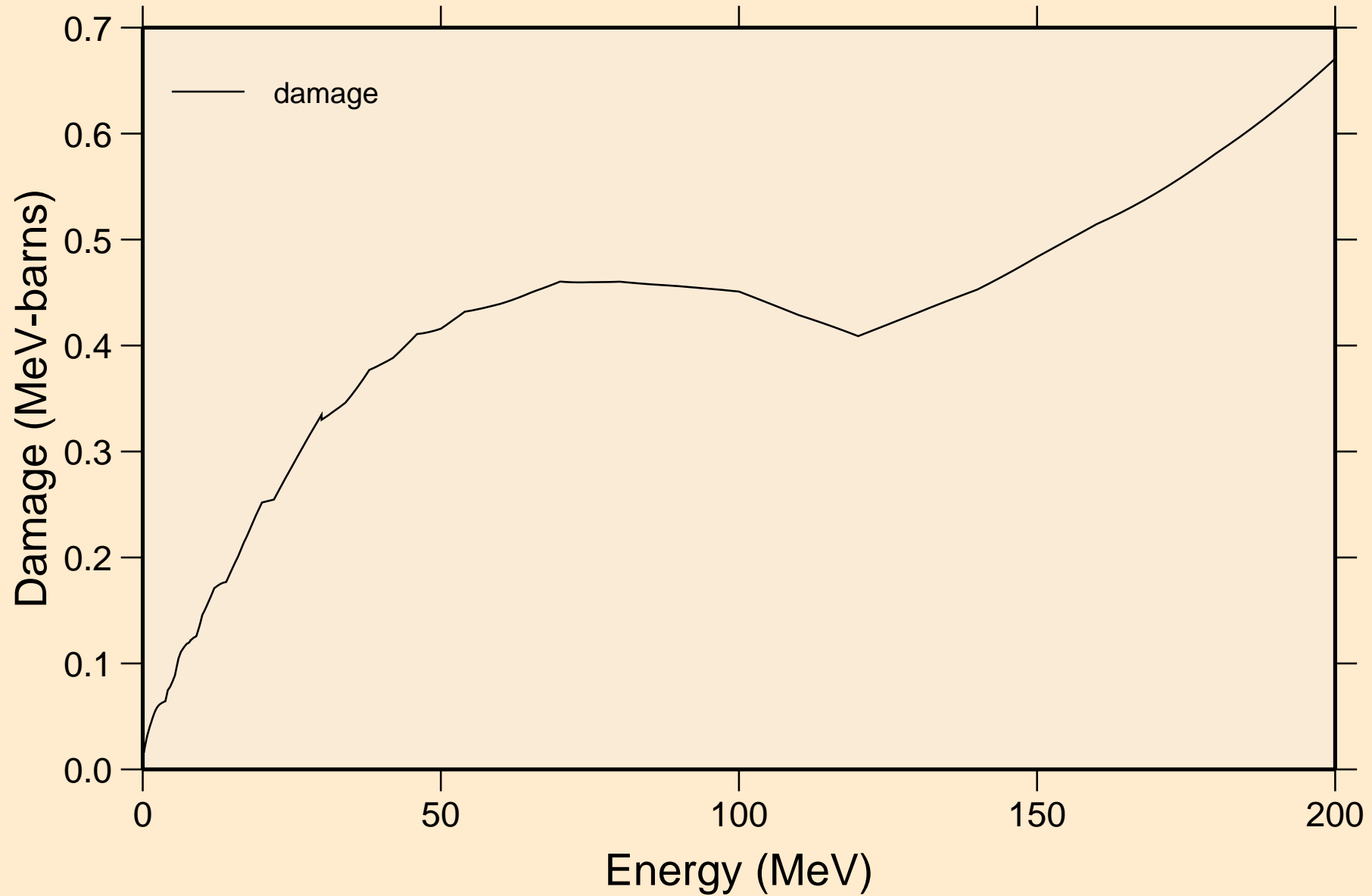
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



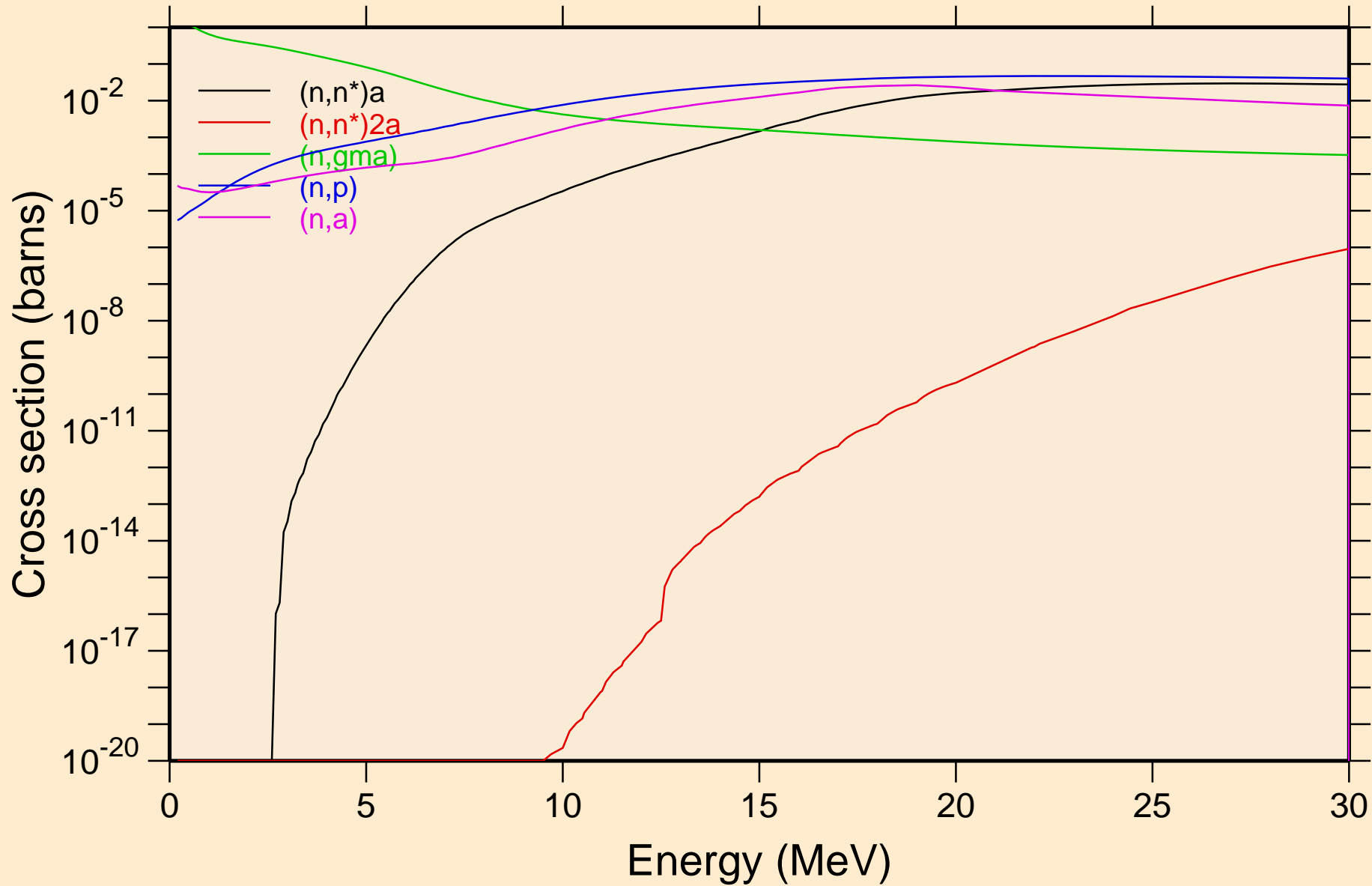
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



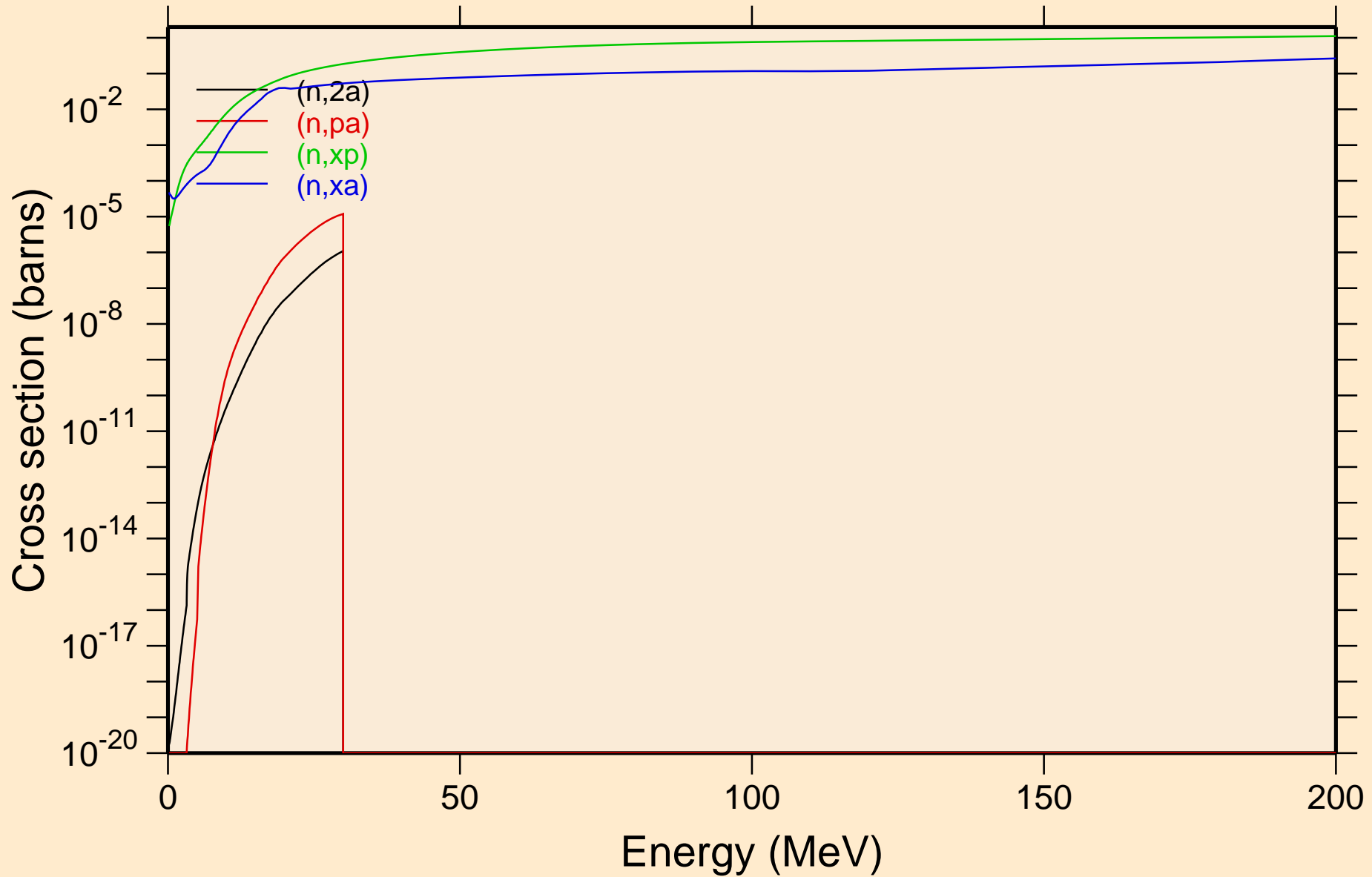
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



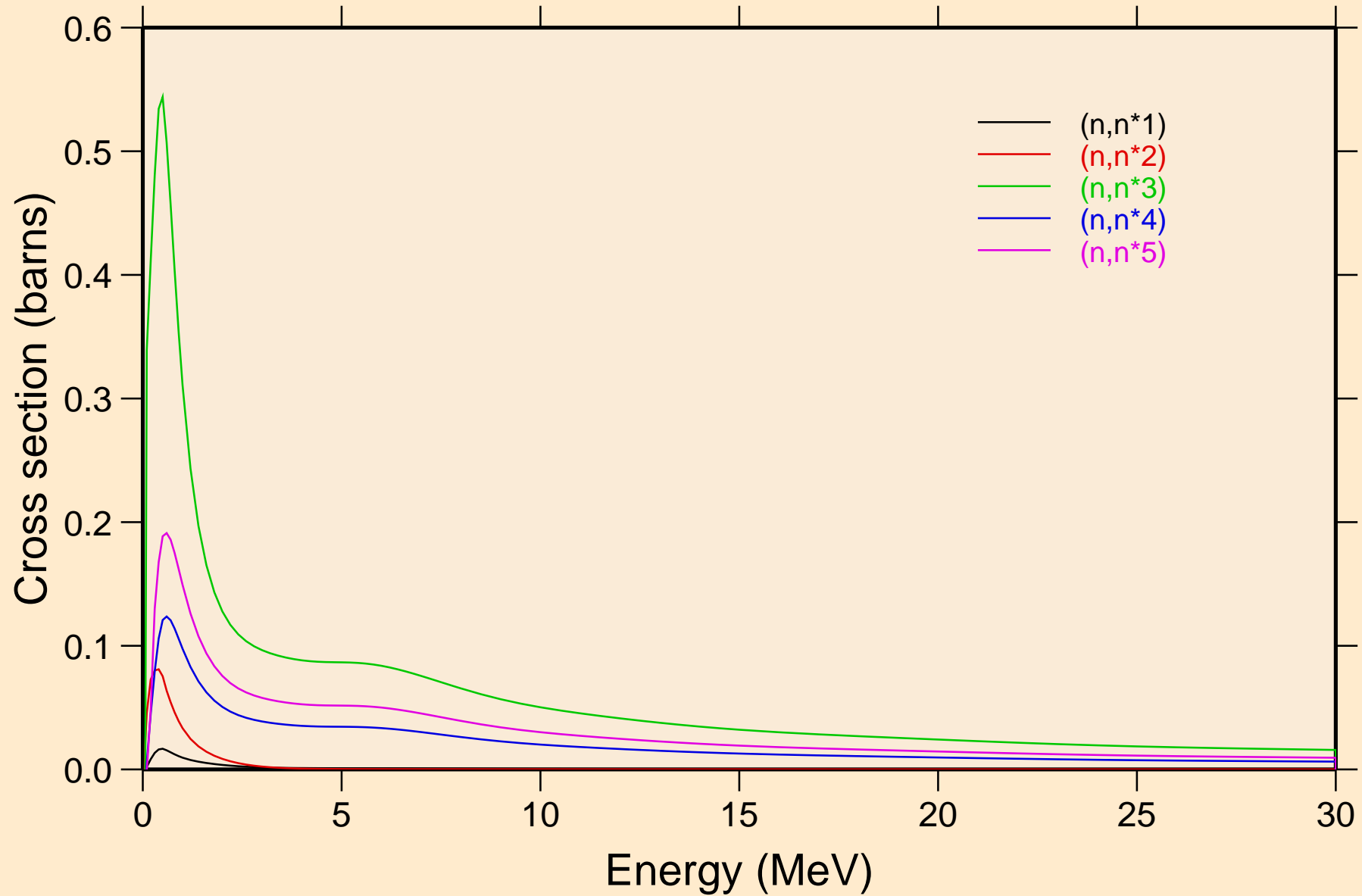
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

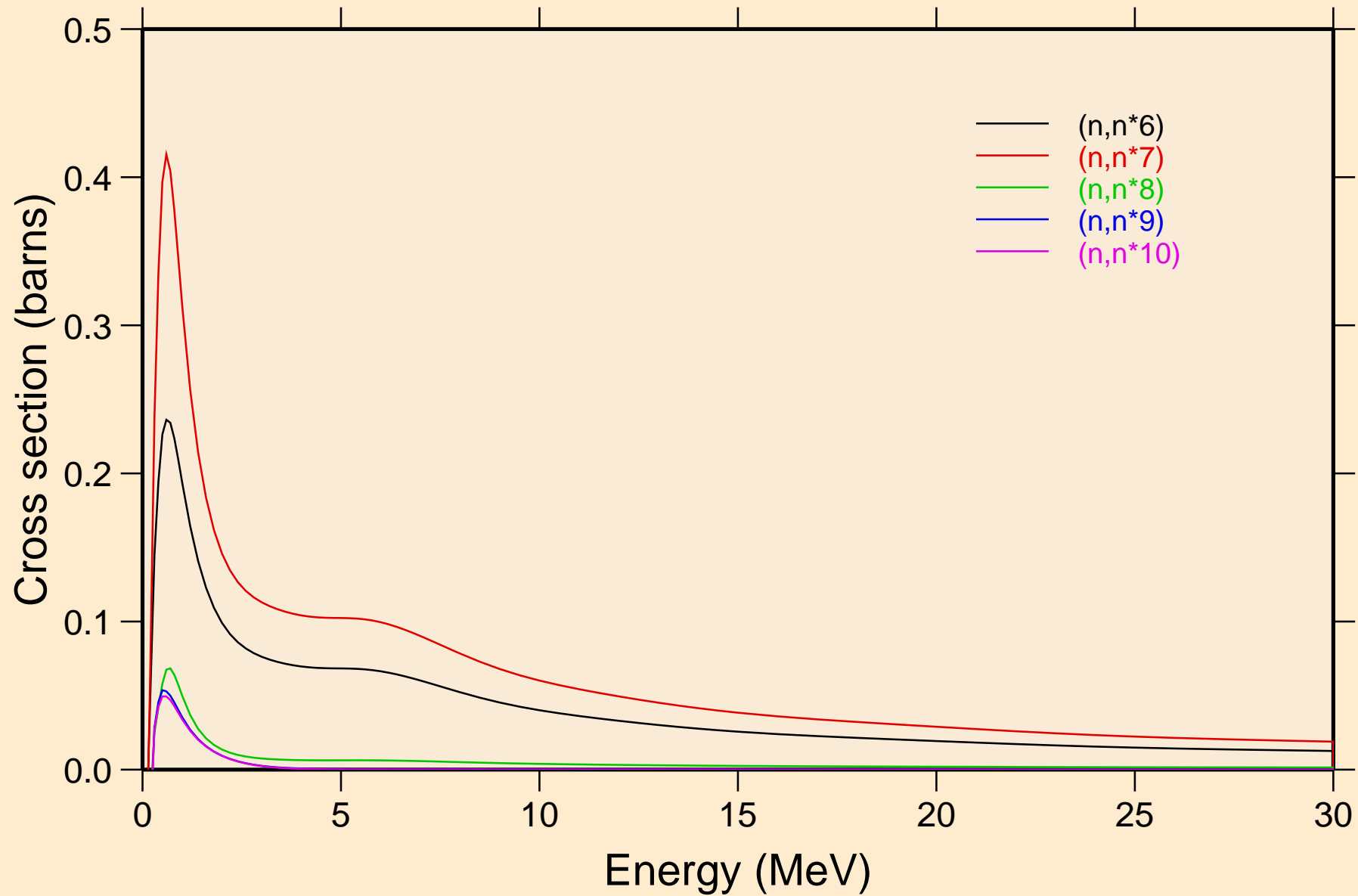




HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

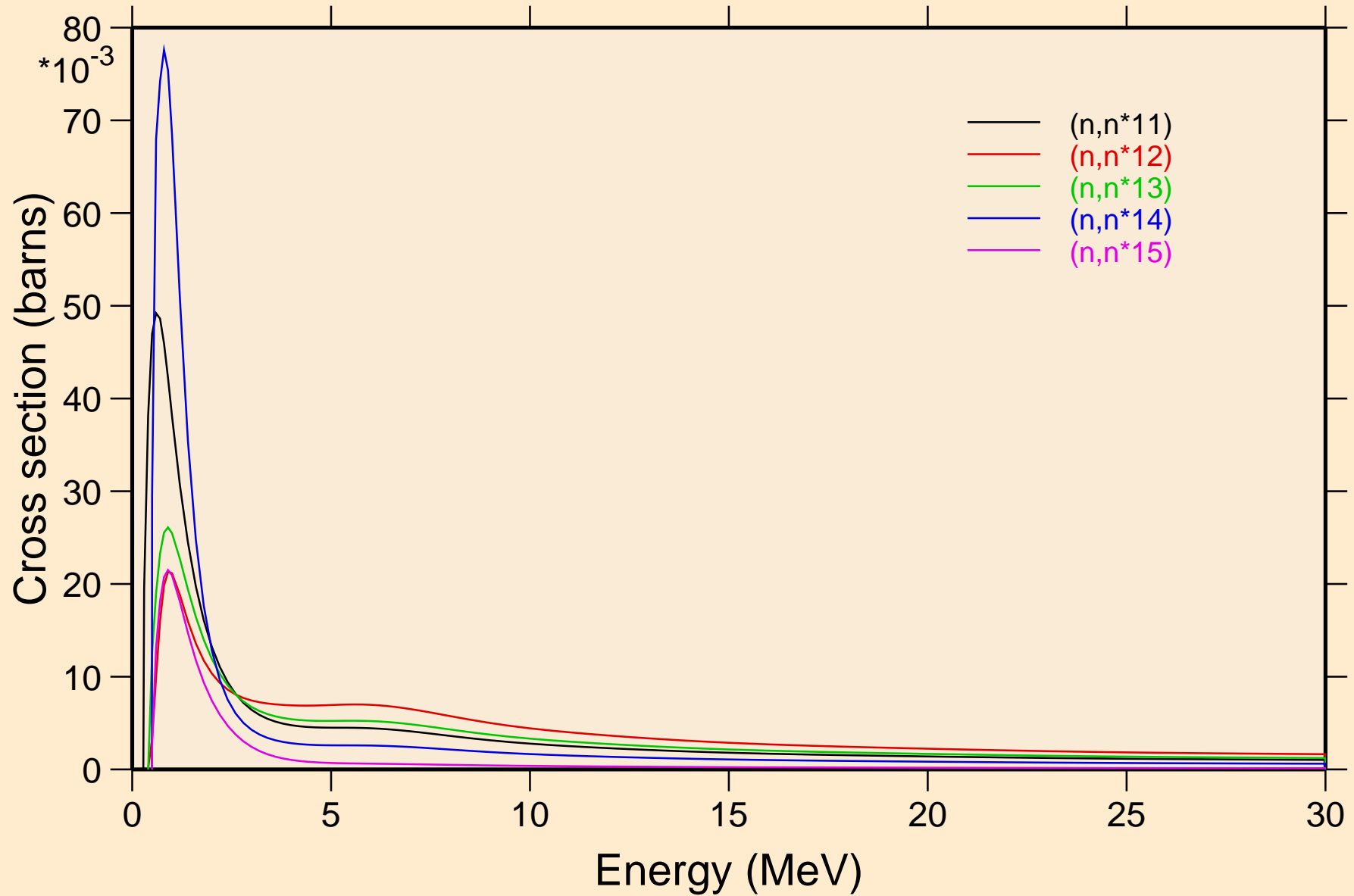


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



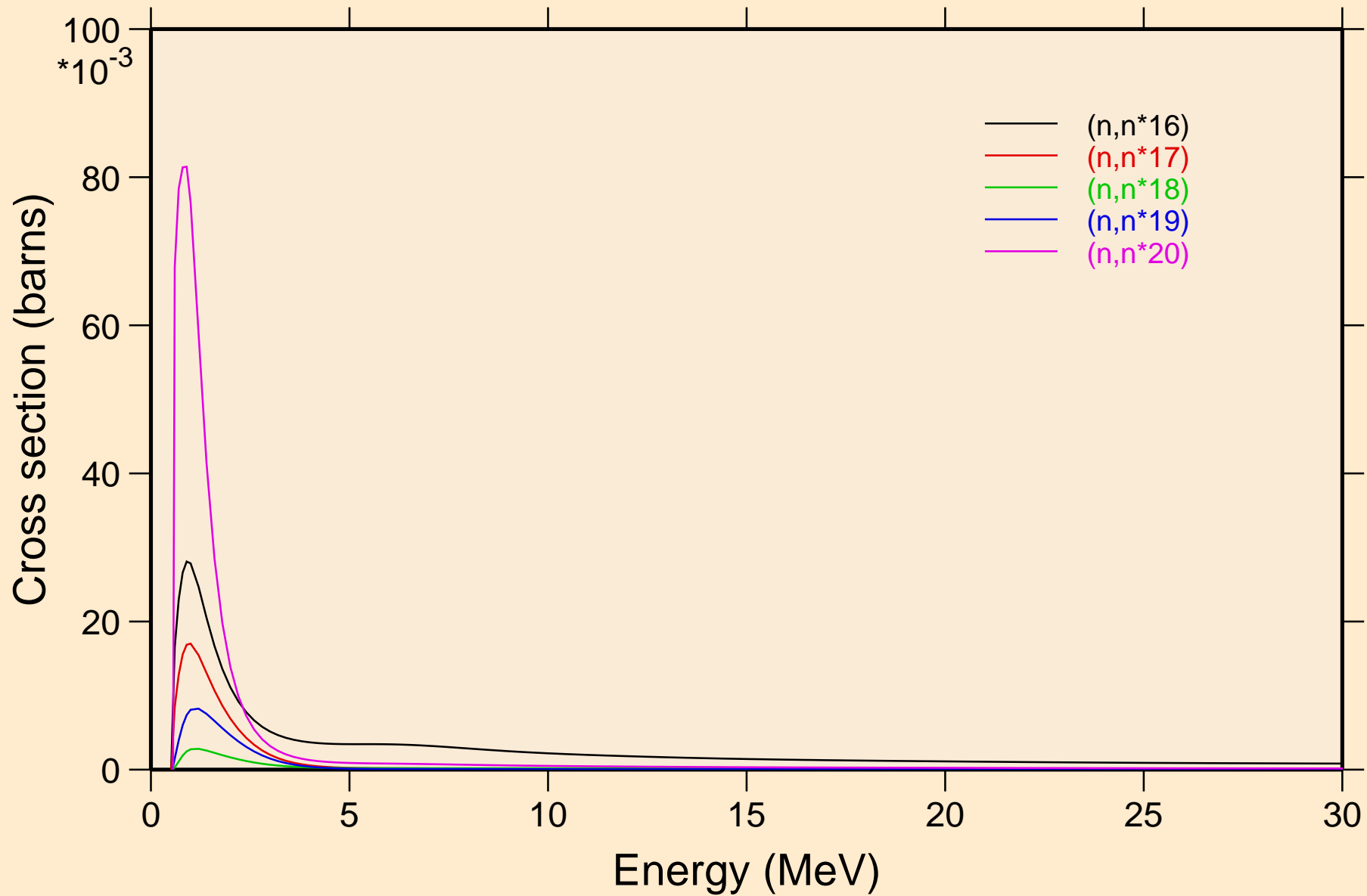
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

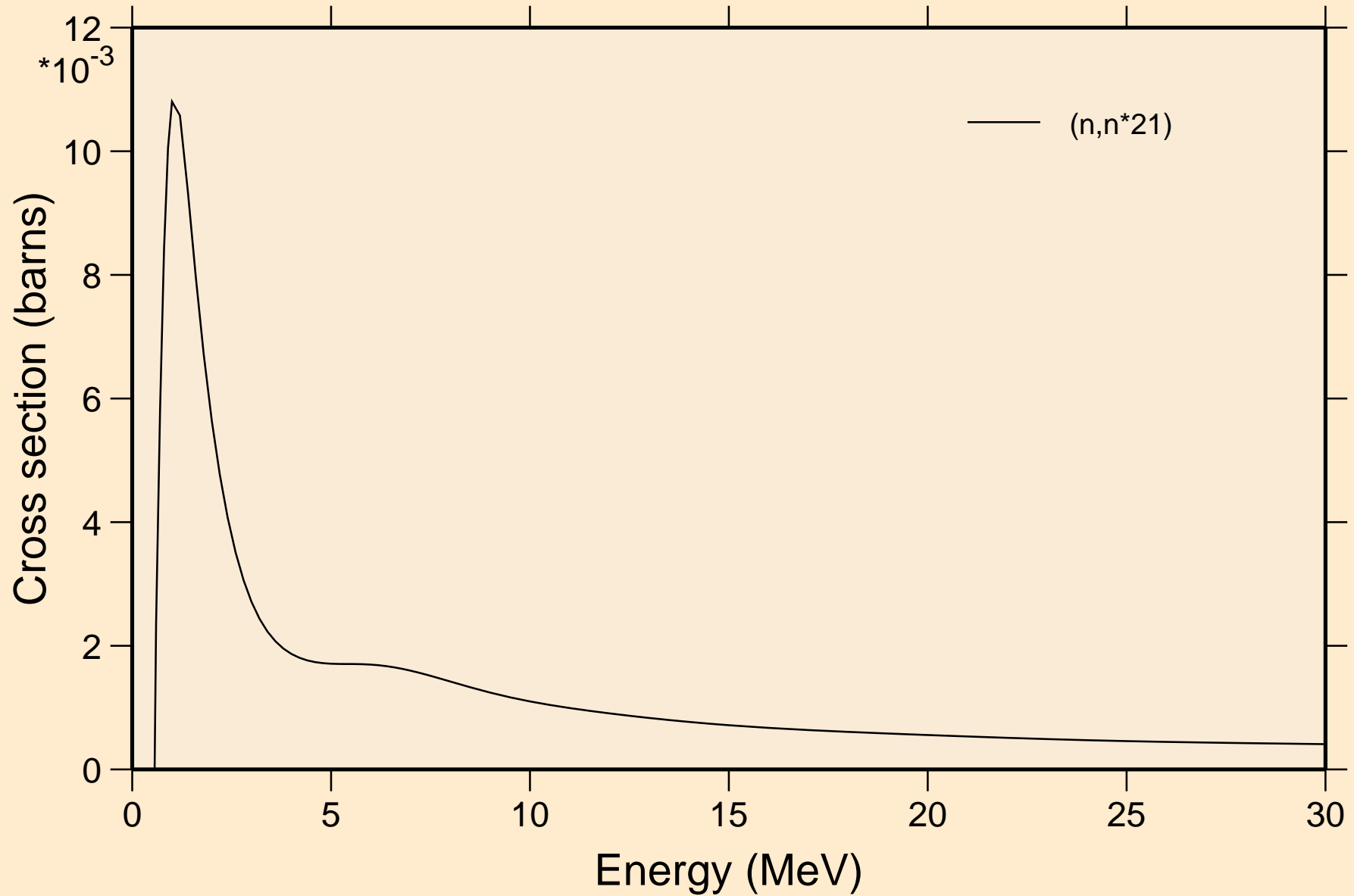


# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

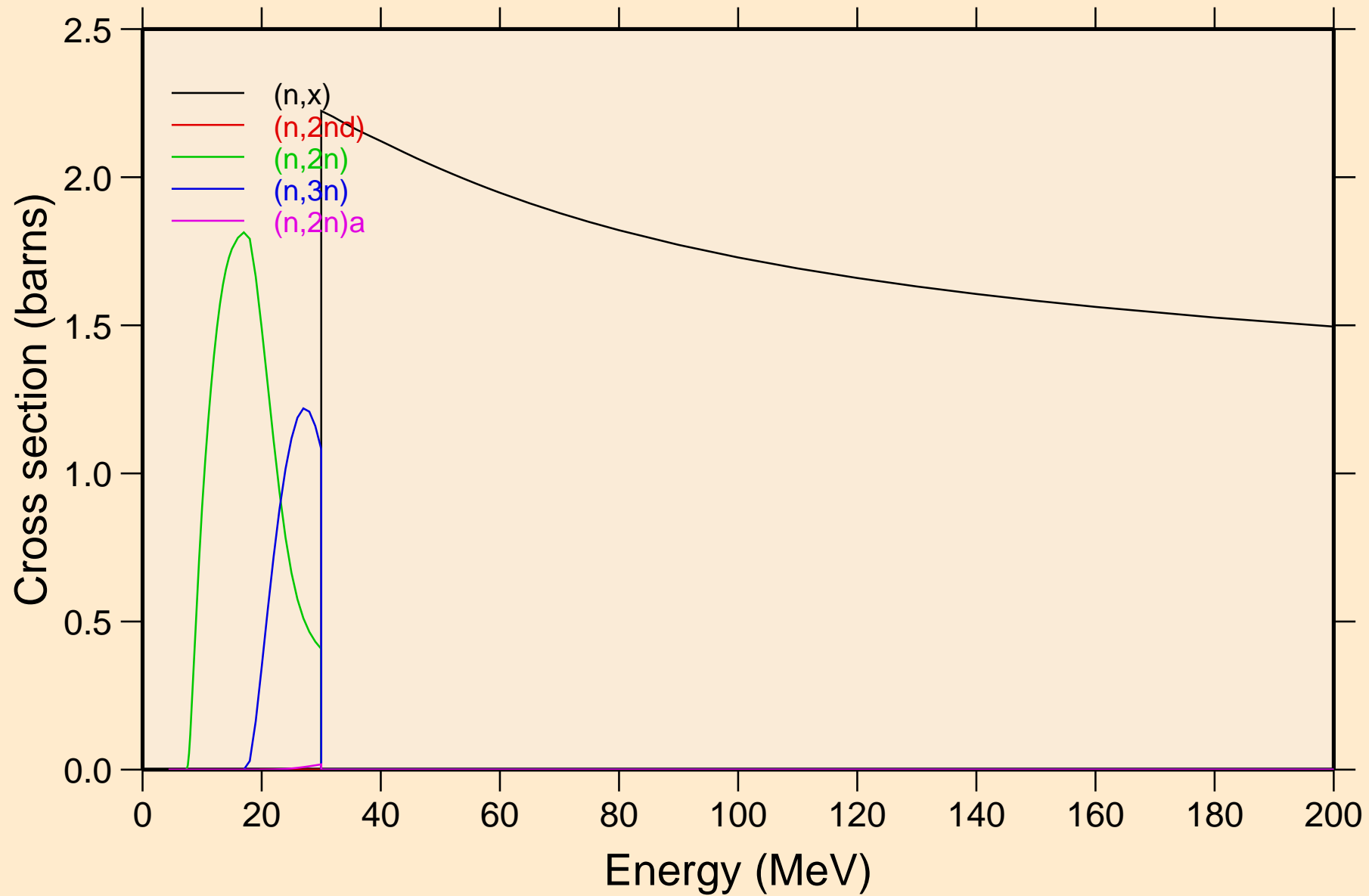


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



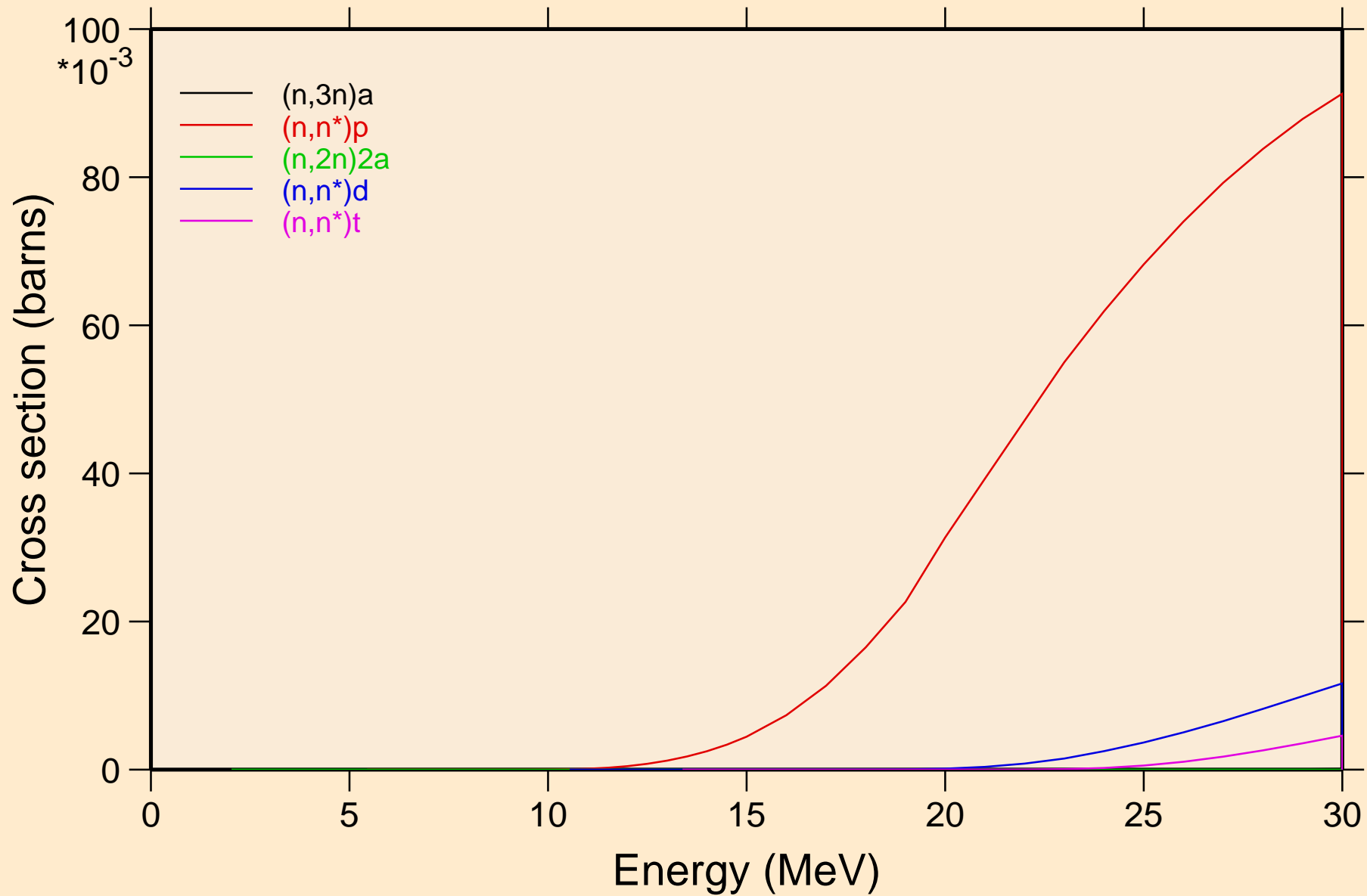
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



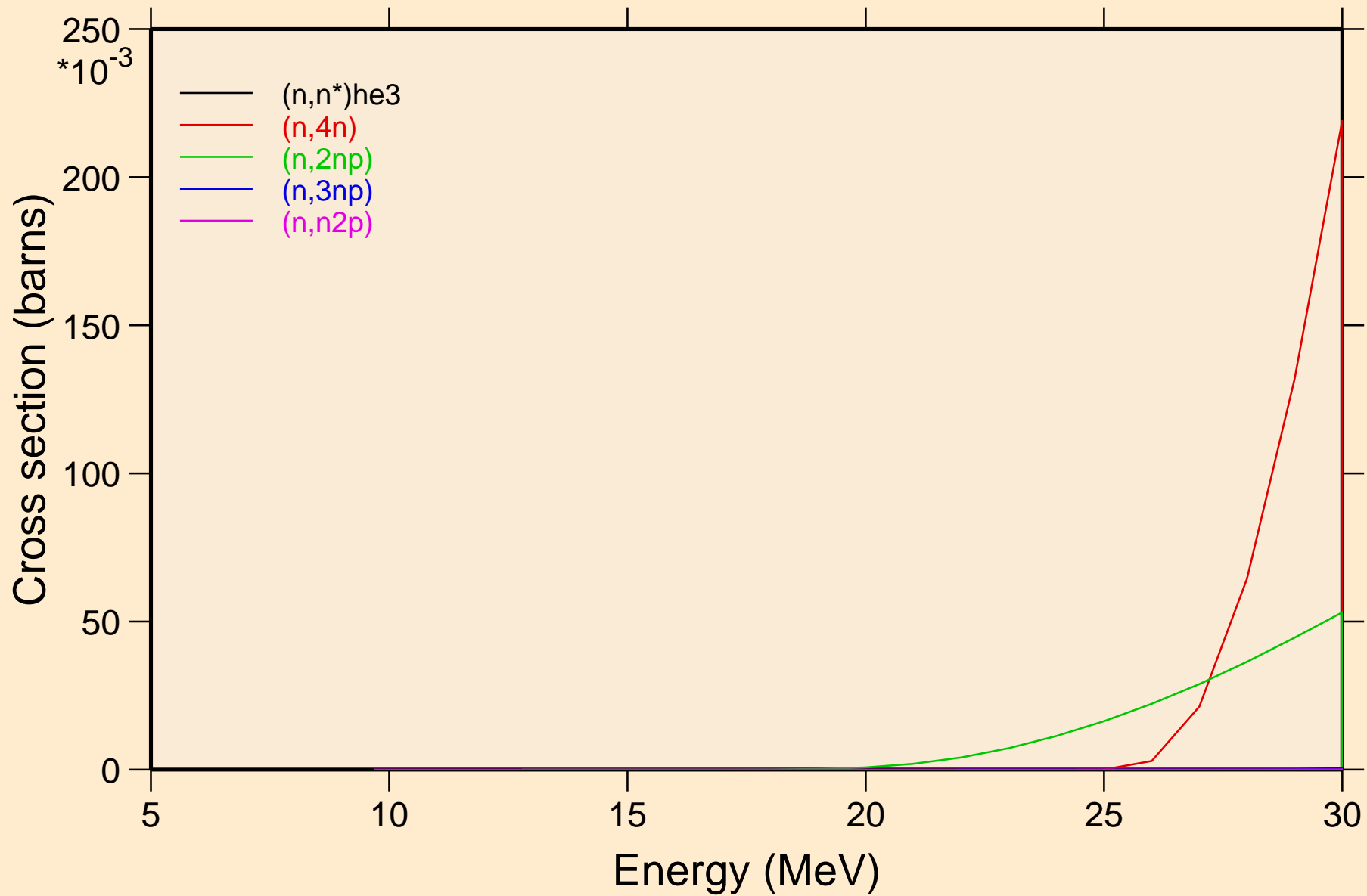
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

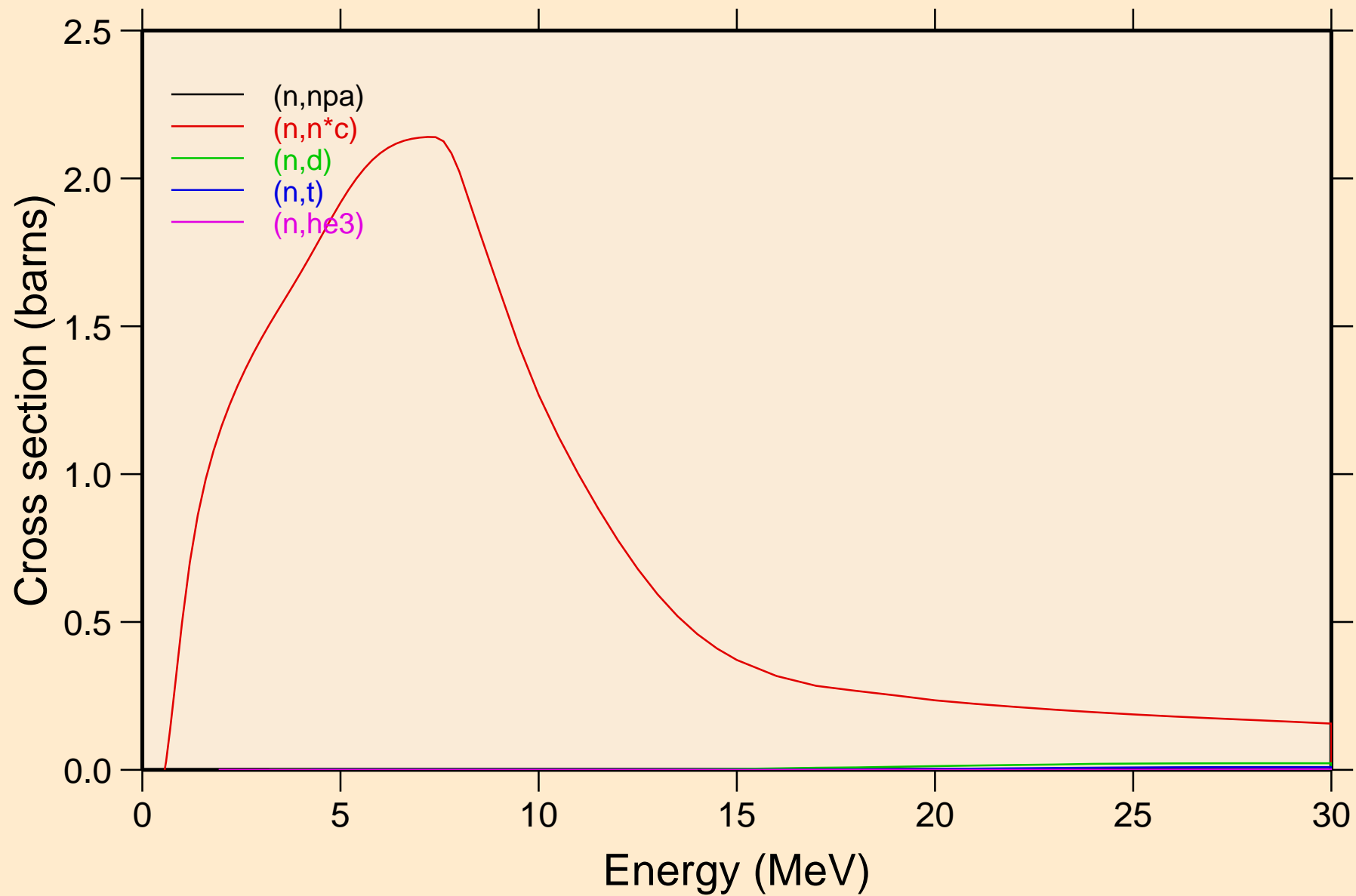
## Threshold reactions





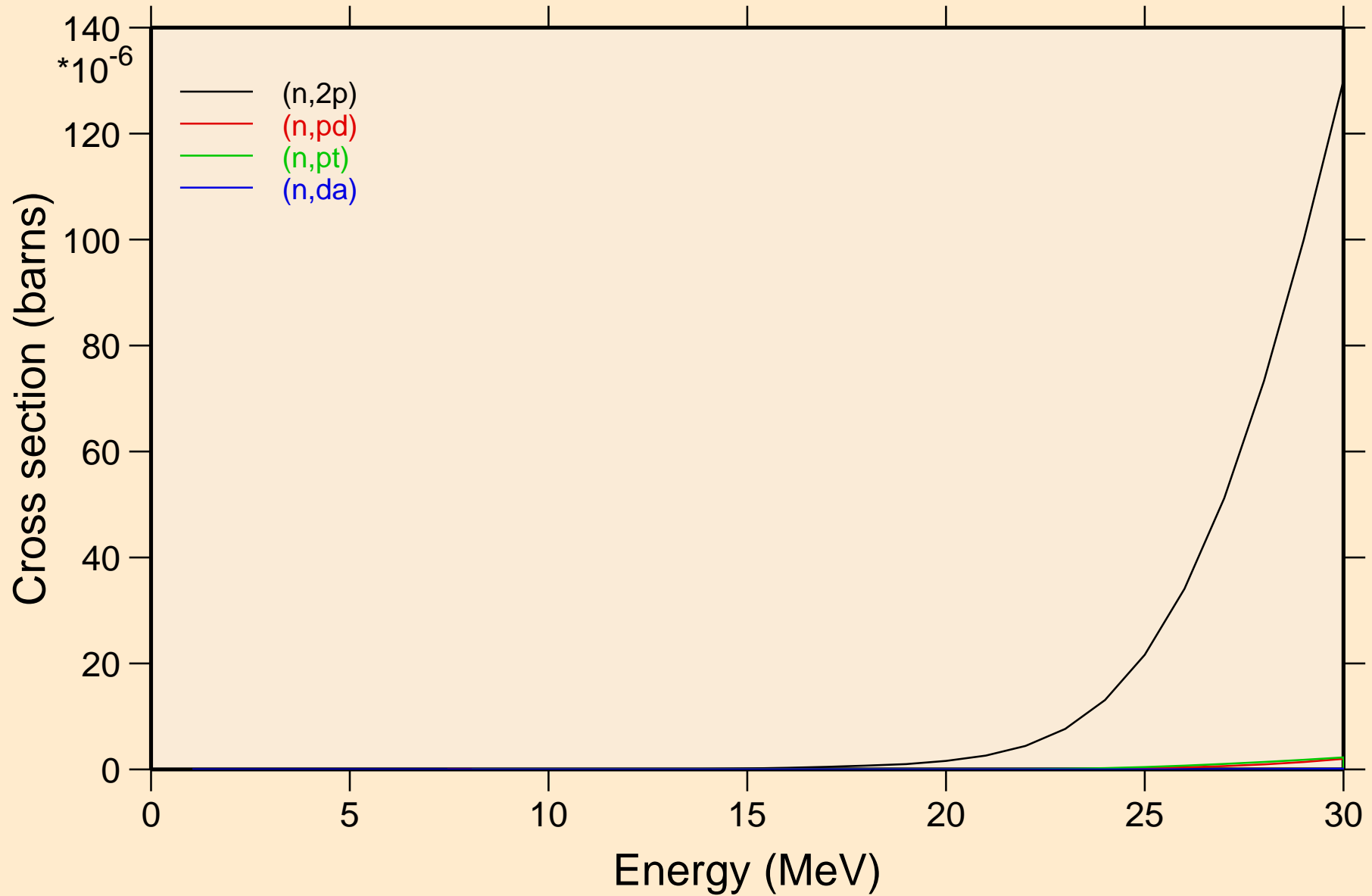
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



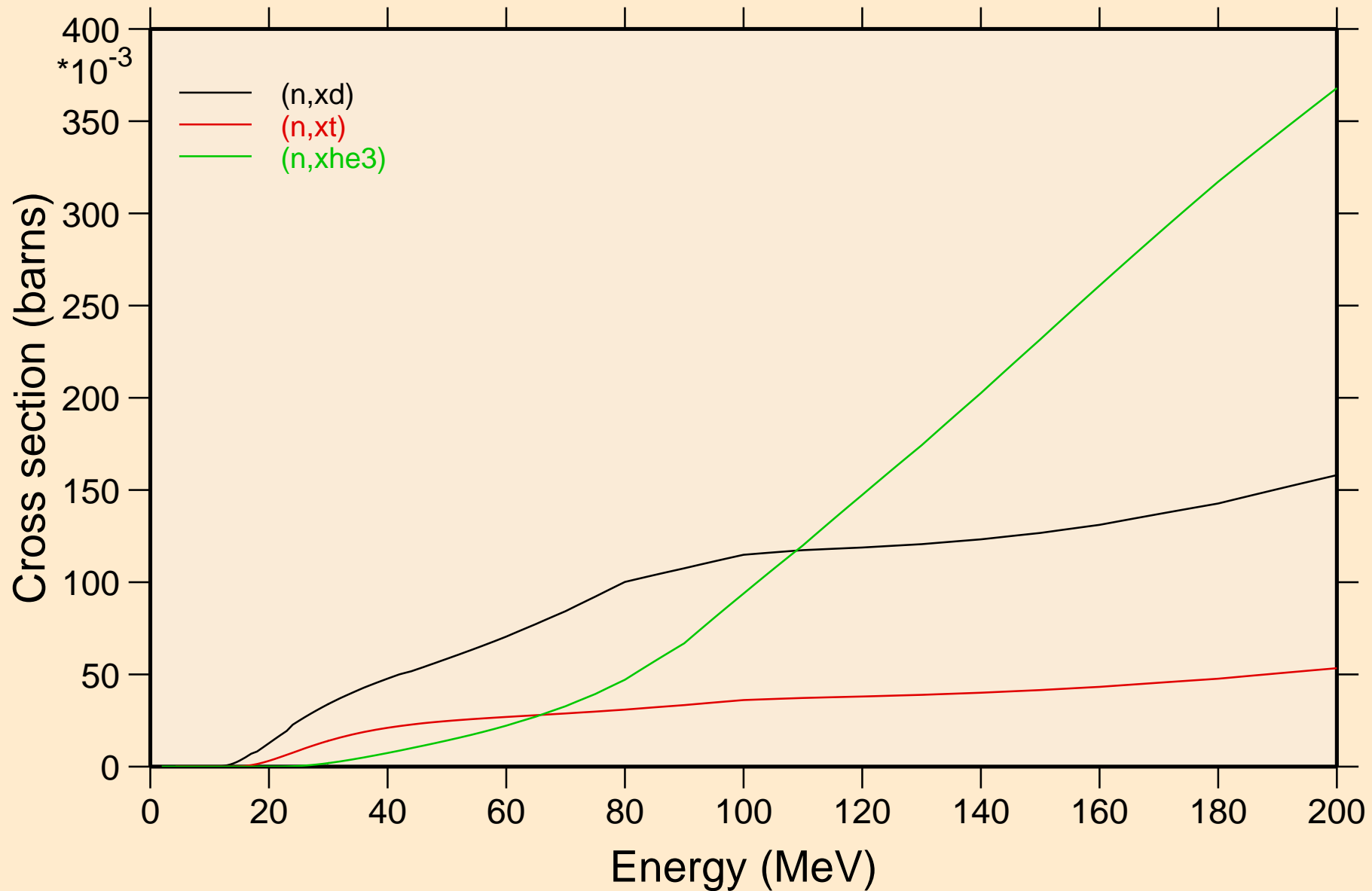
# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

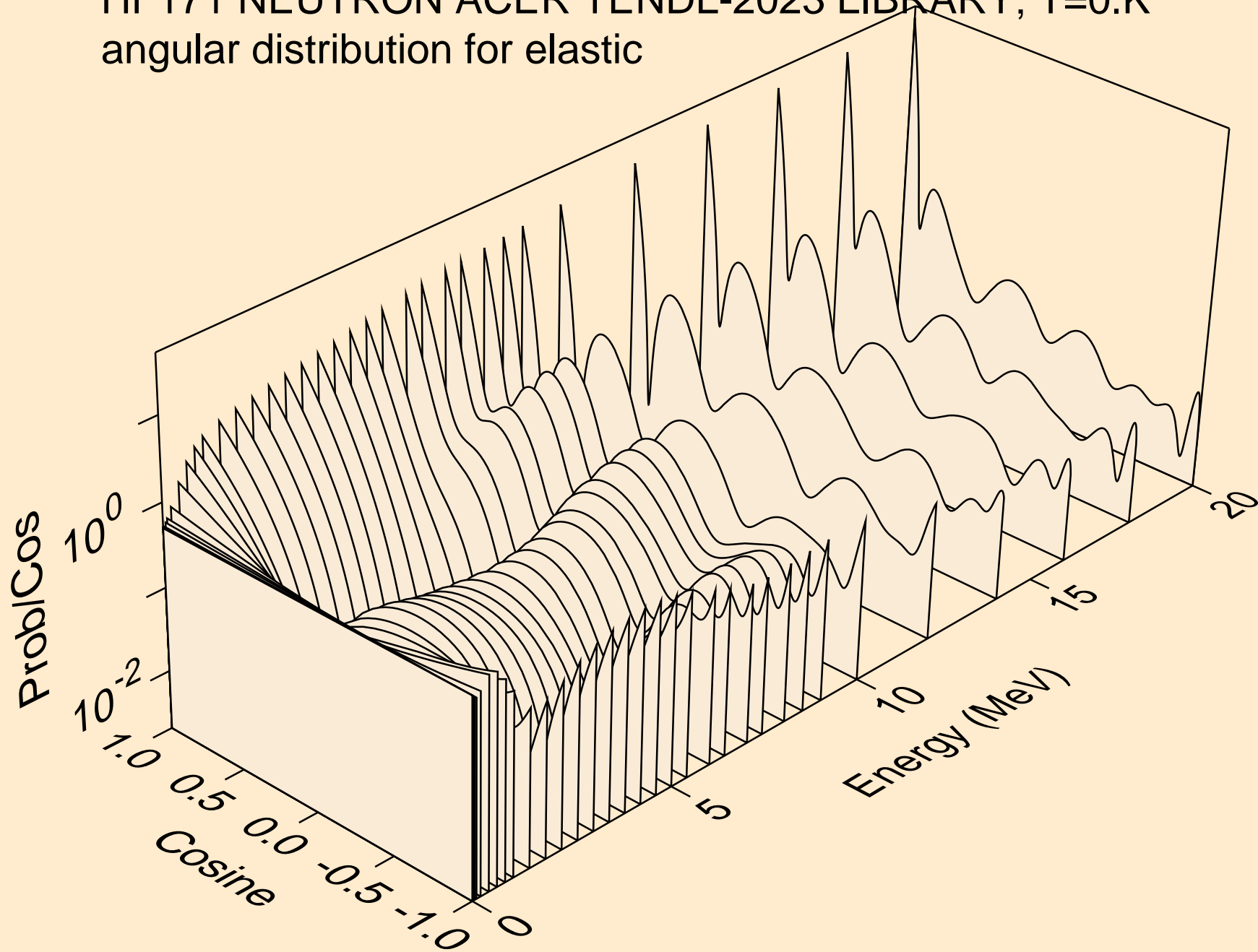


# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

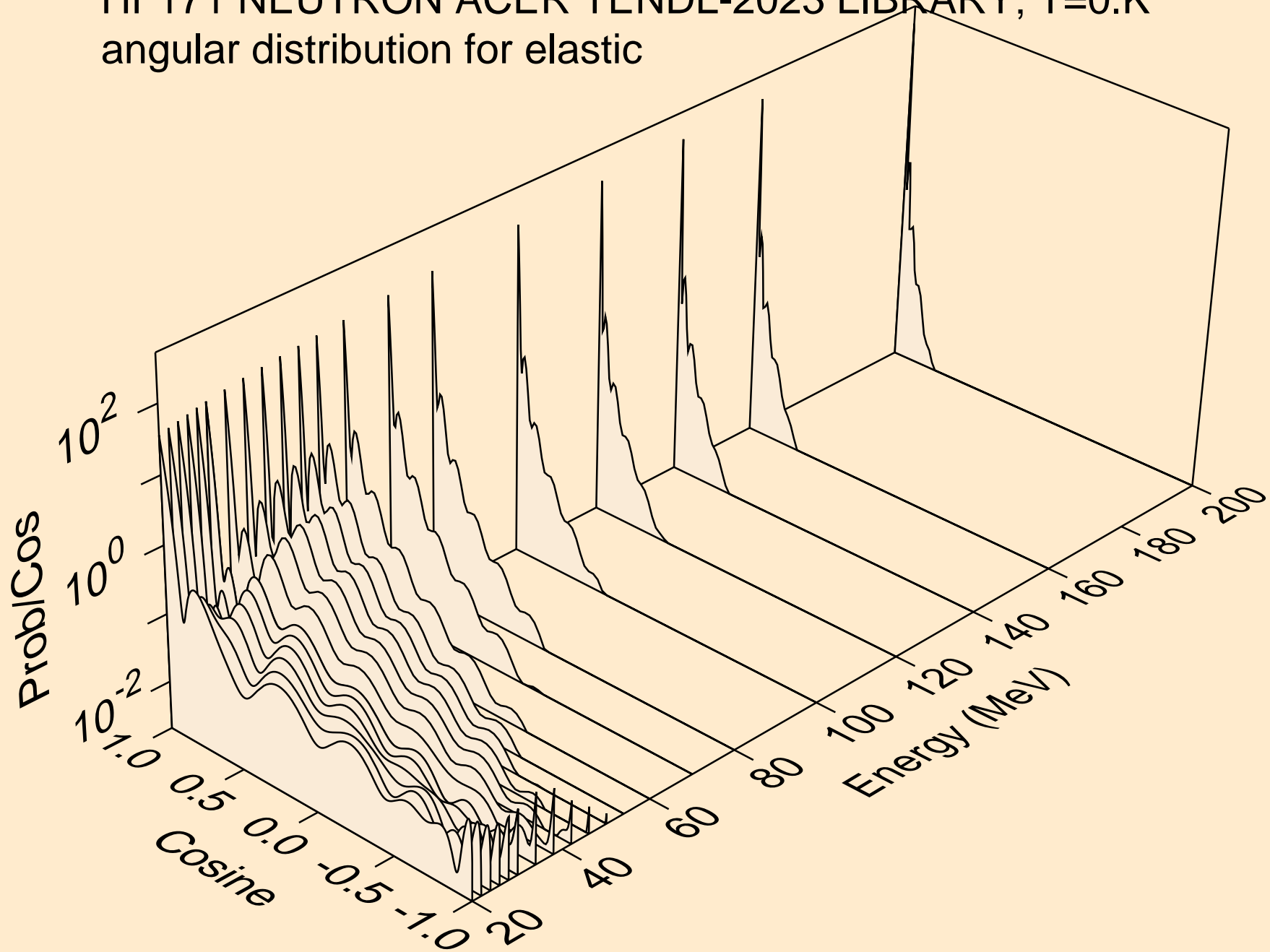
## Threshold reactions



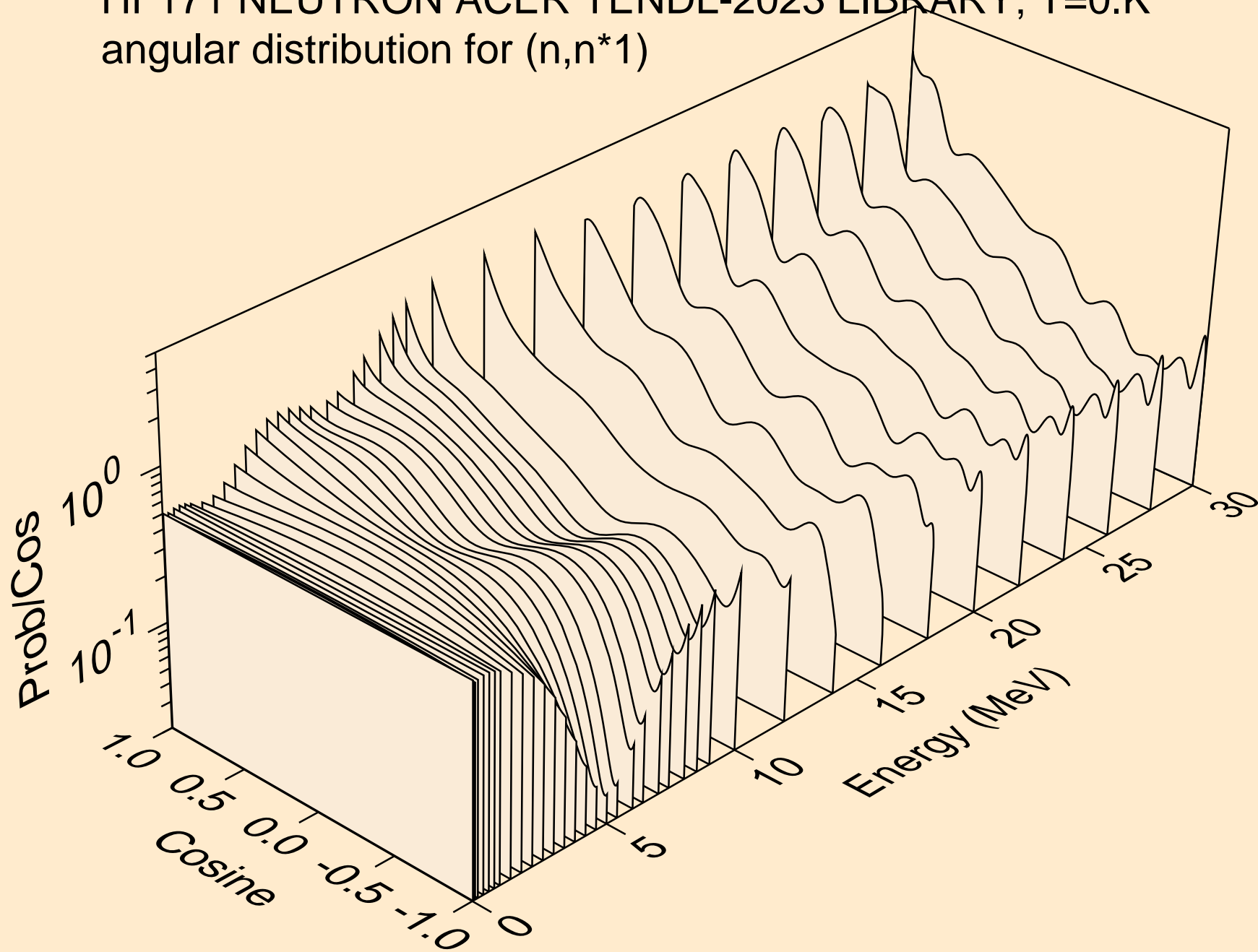
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



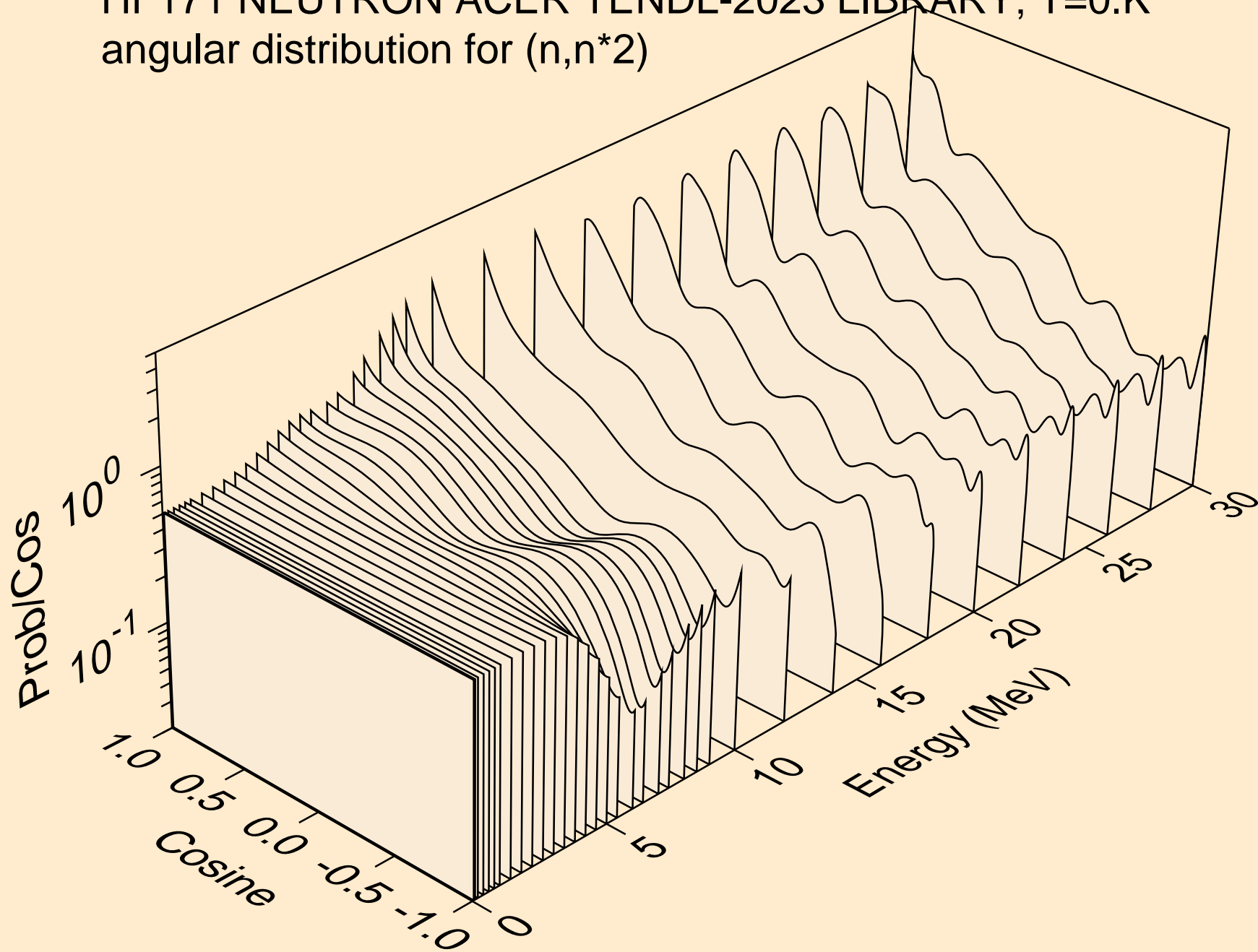
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



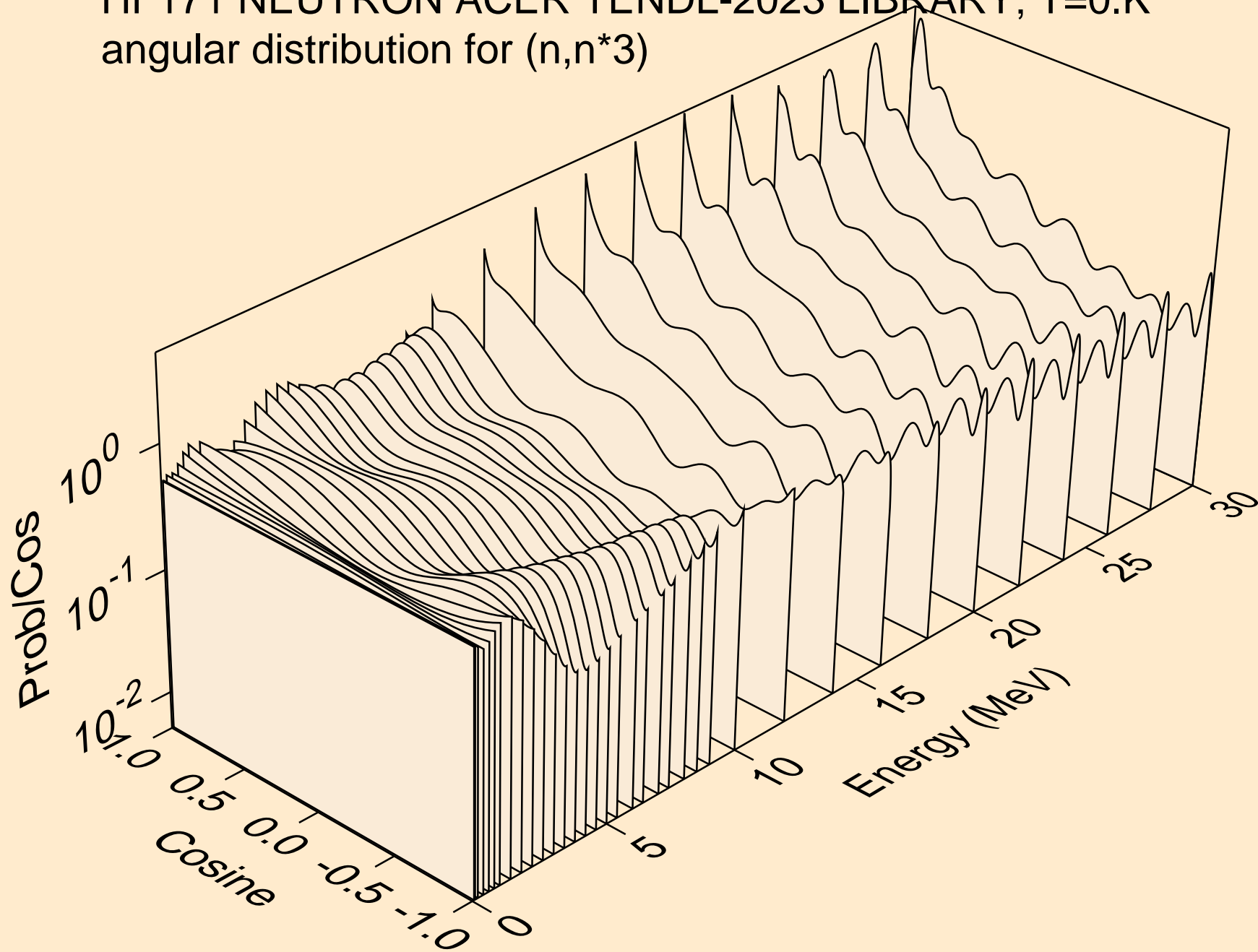
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

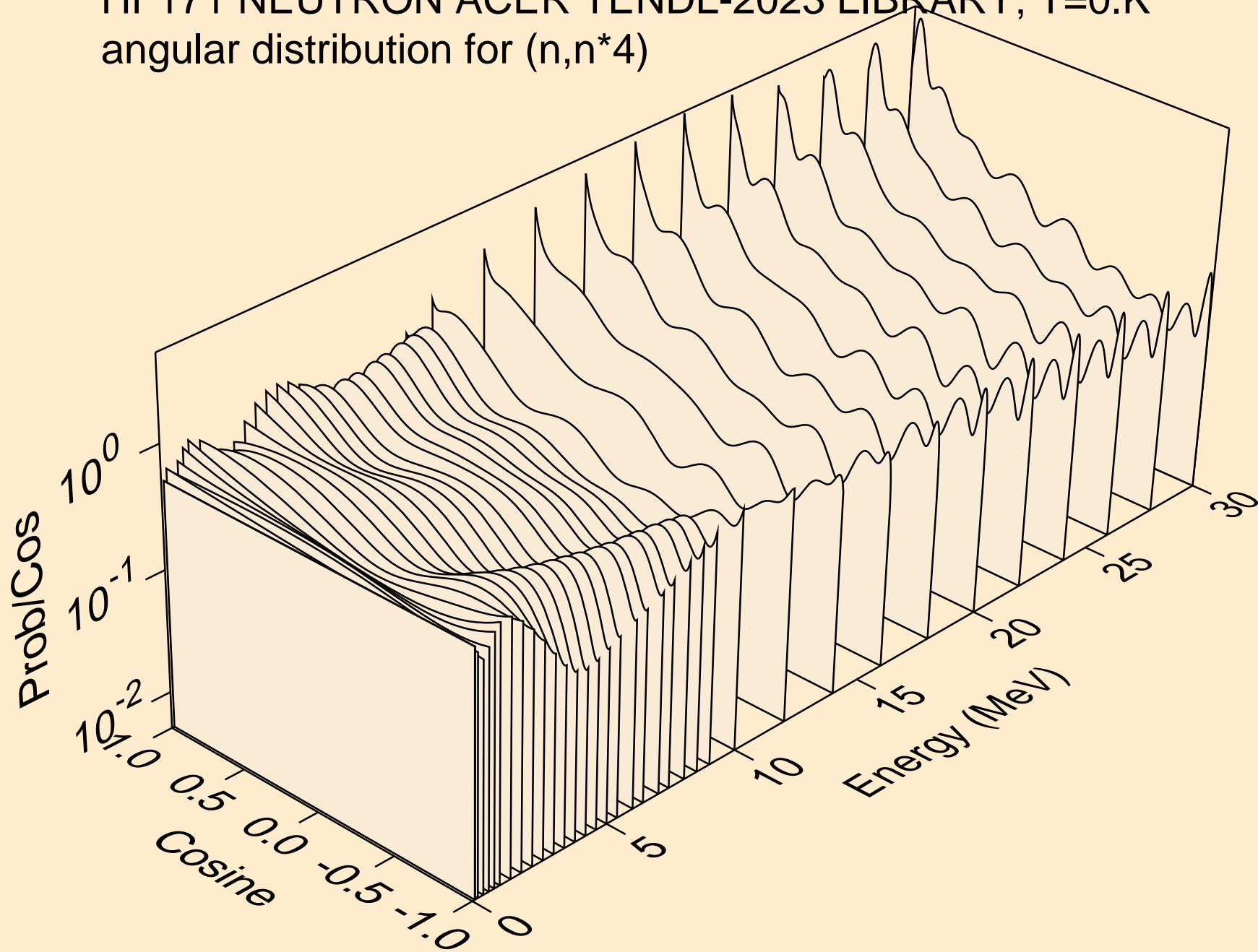


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

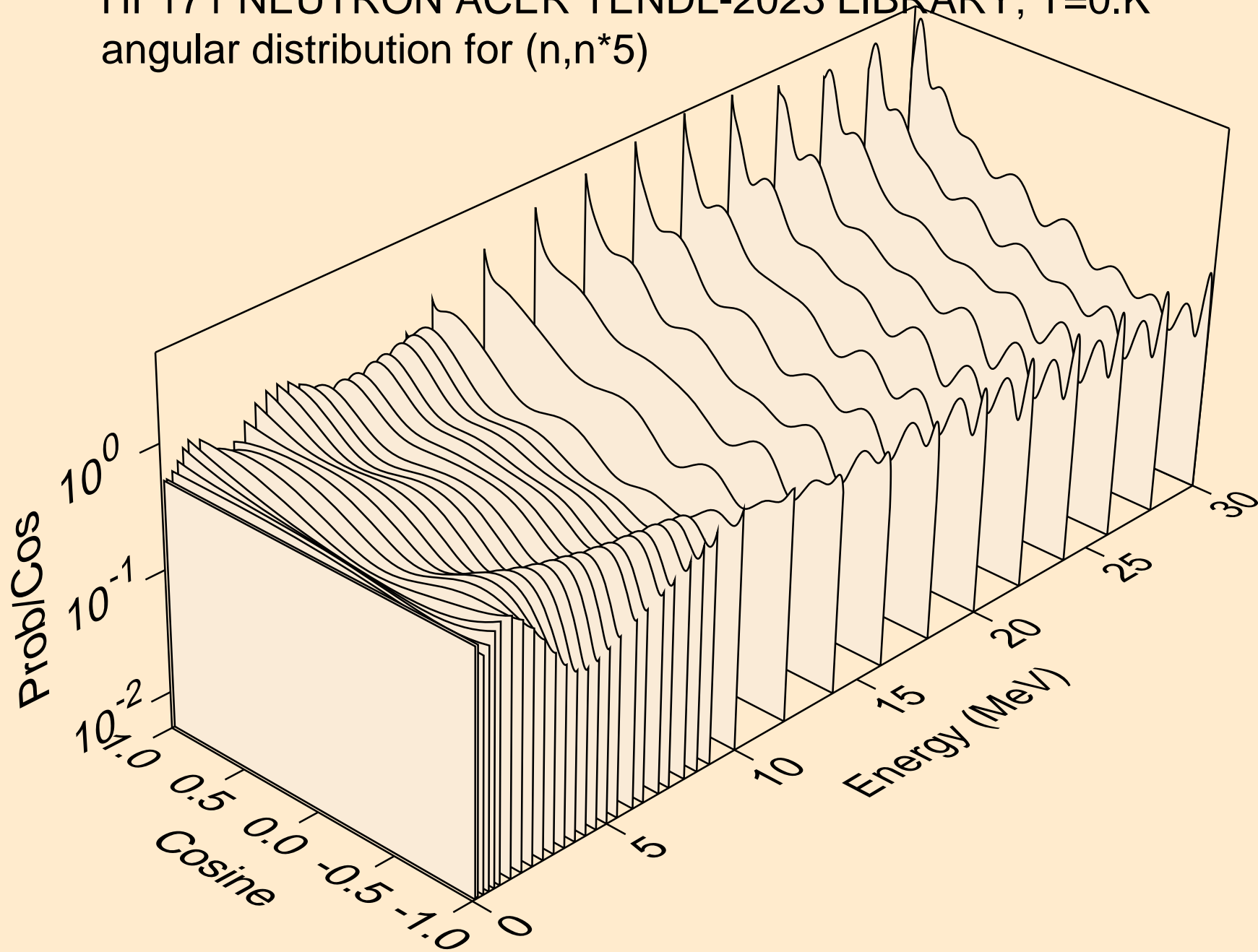




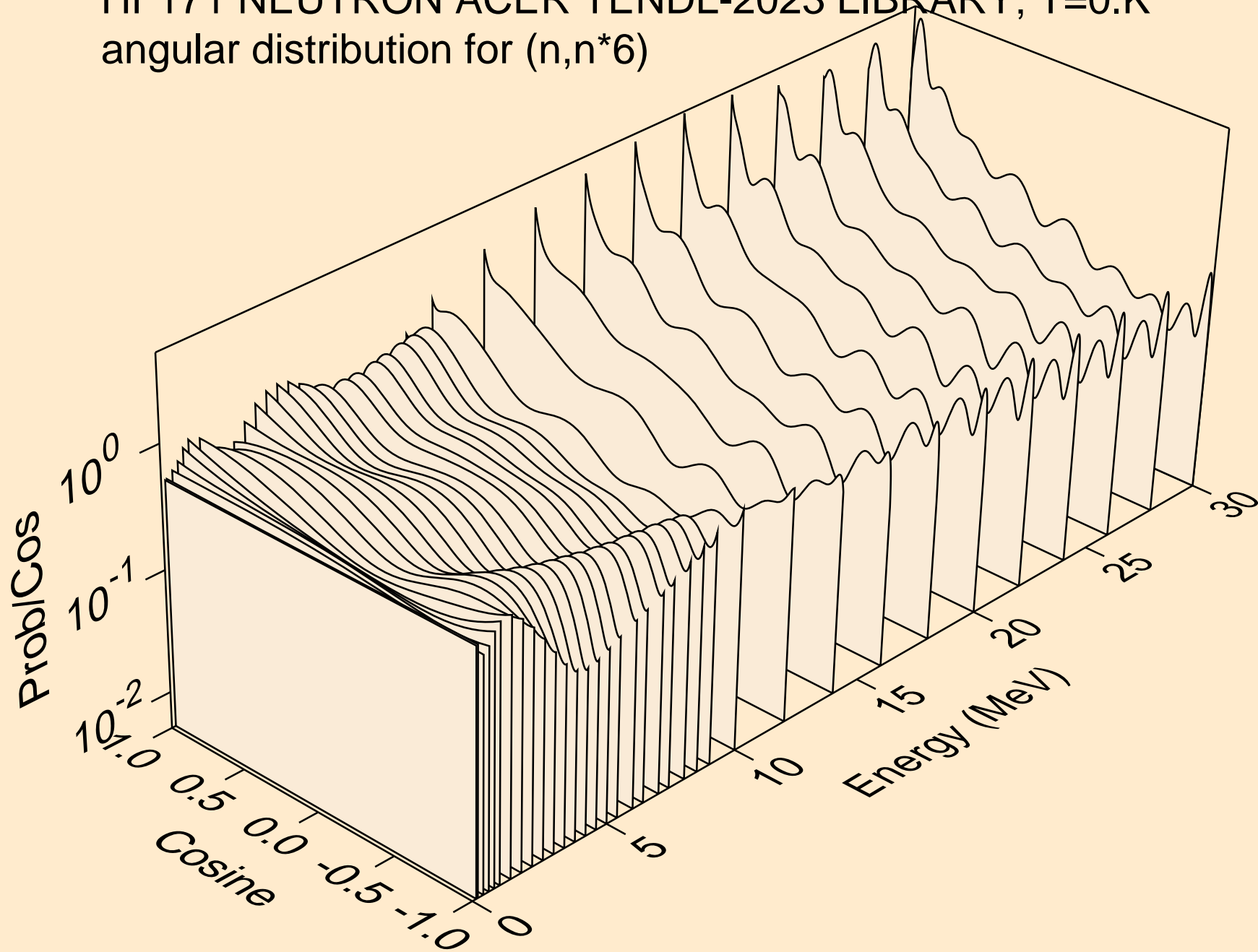
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angular distribution for (n,n\*4)



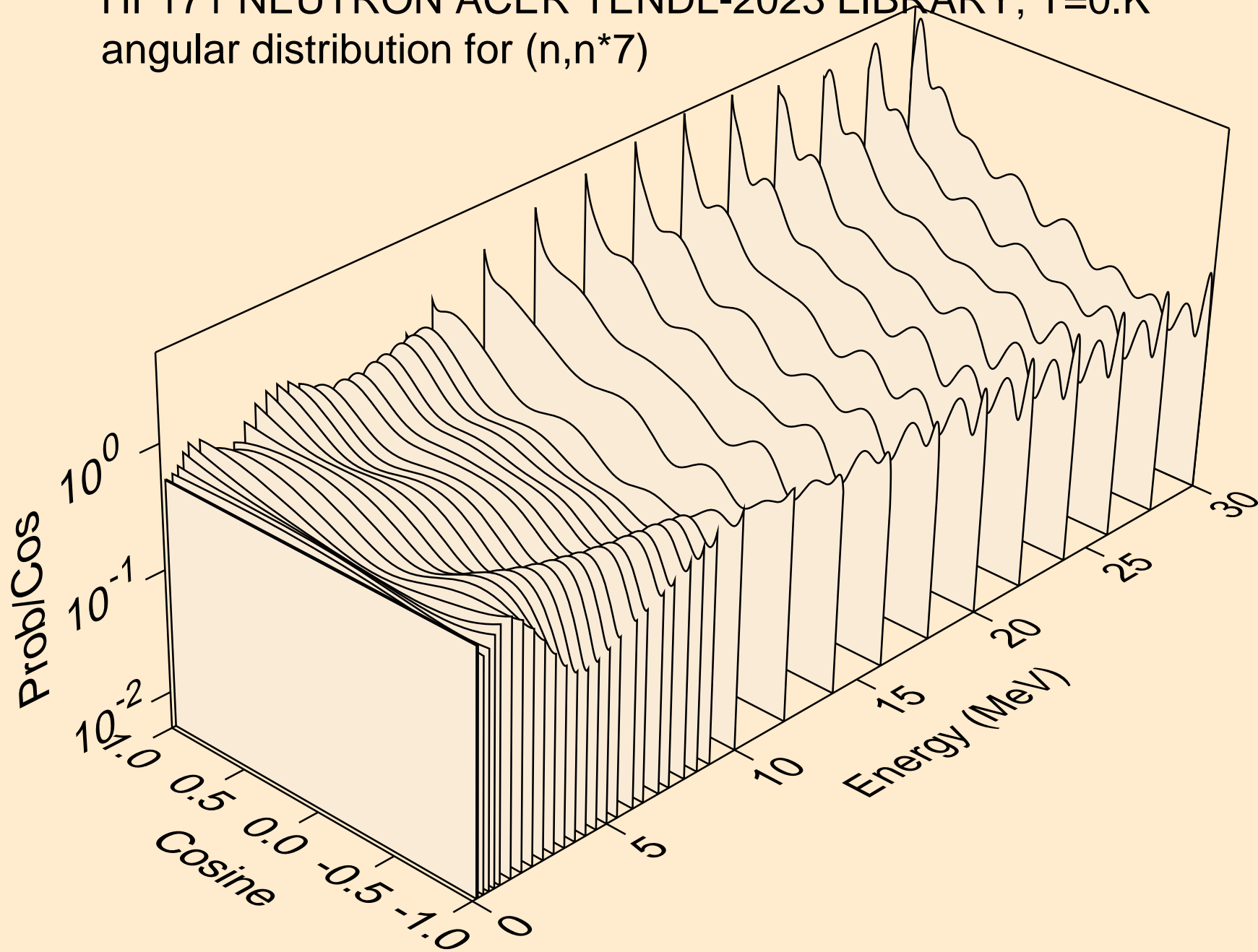
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angular distribution for (n,n\*5)



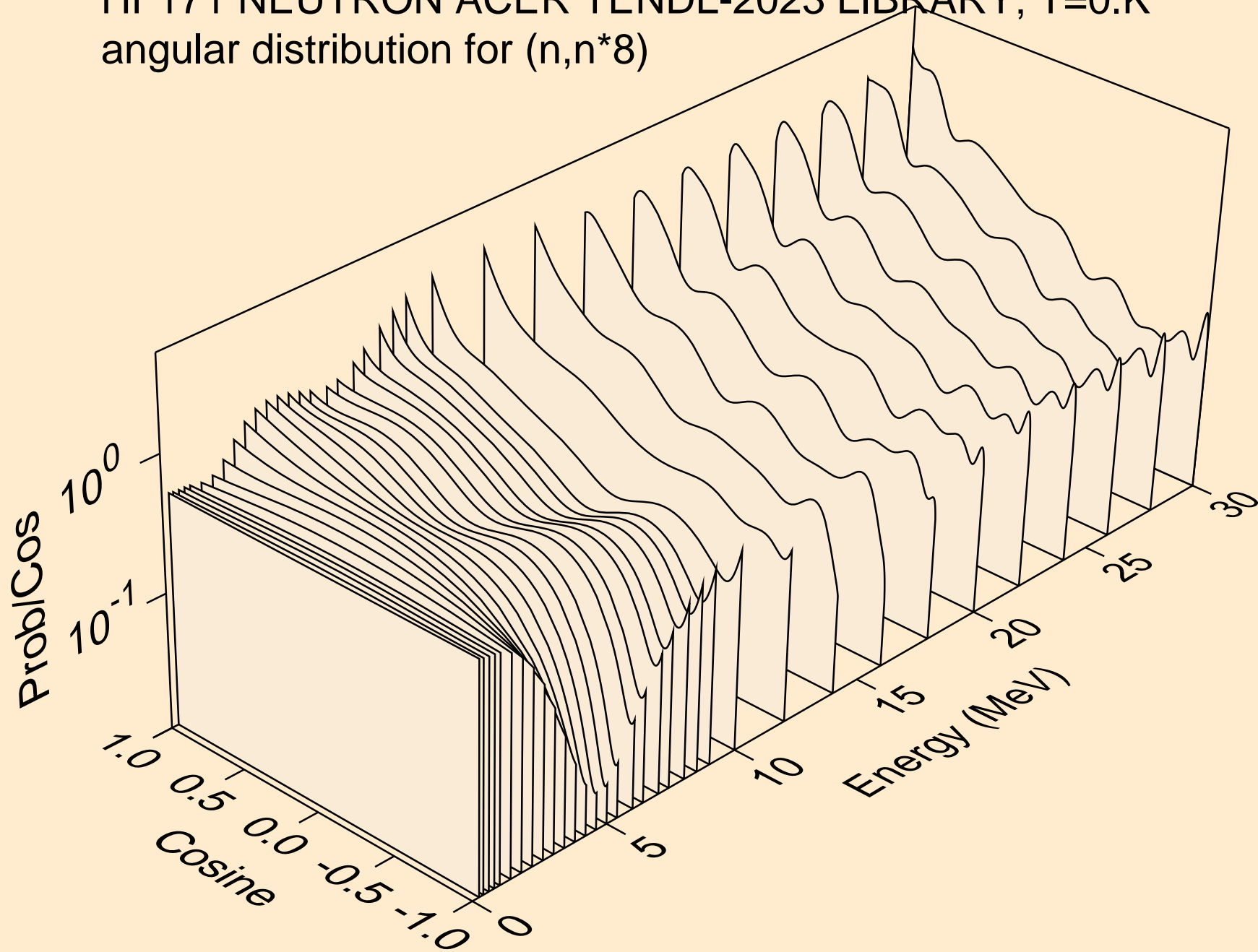
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angular distribution for (n,n\*6)



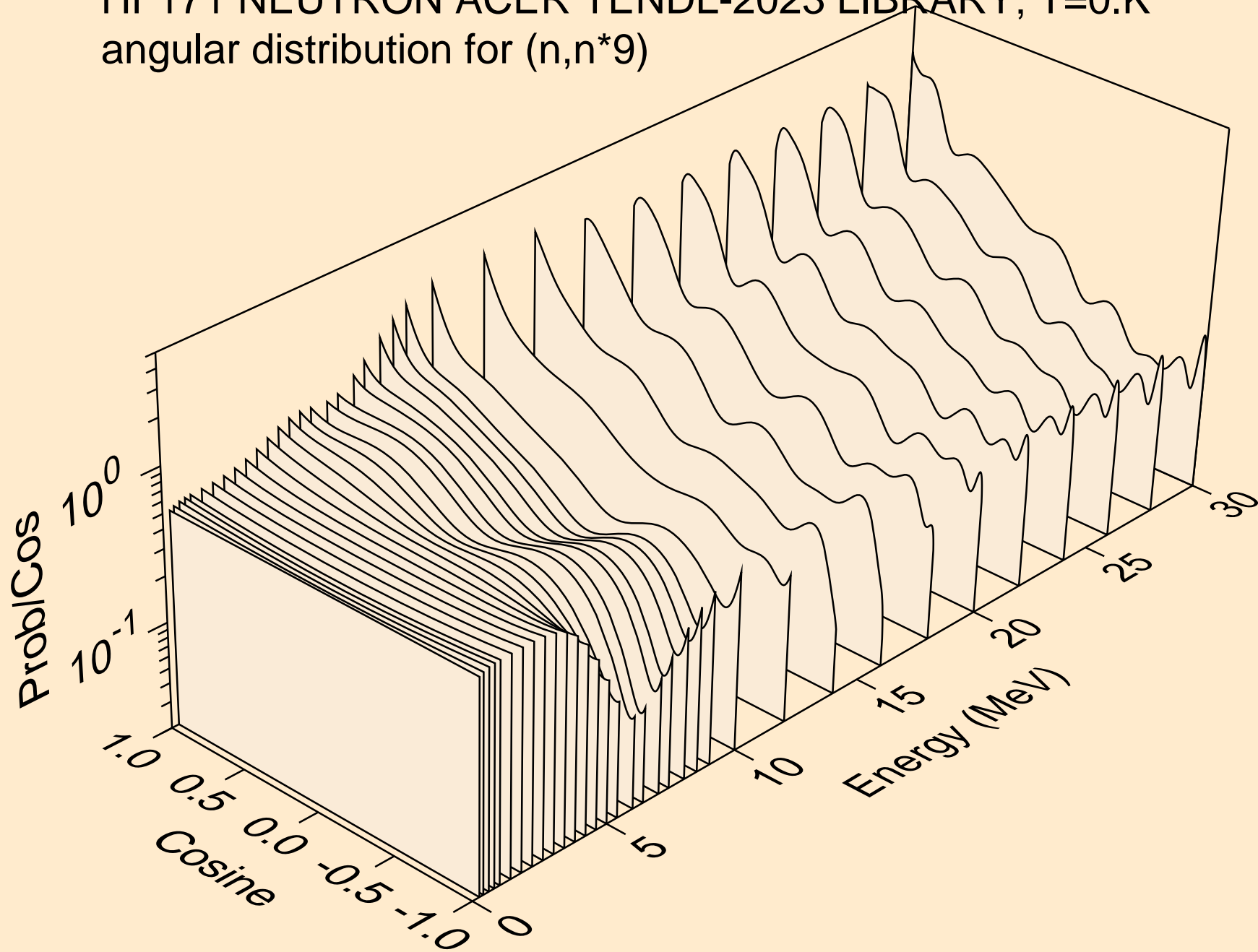
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angular distribution for (n,n\*7)



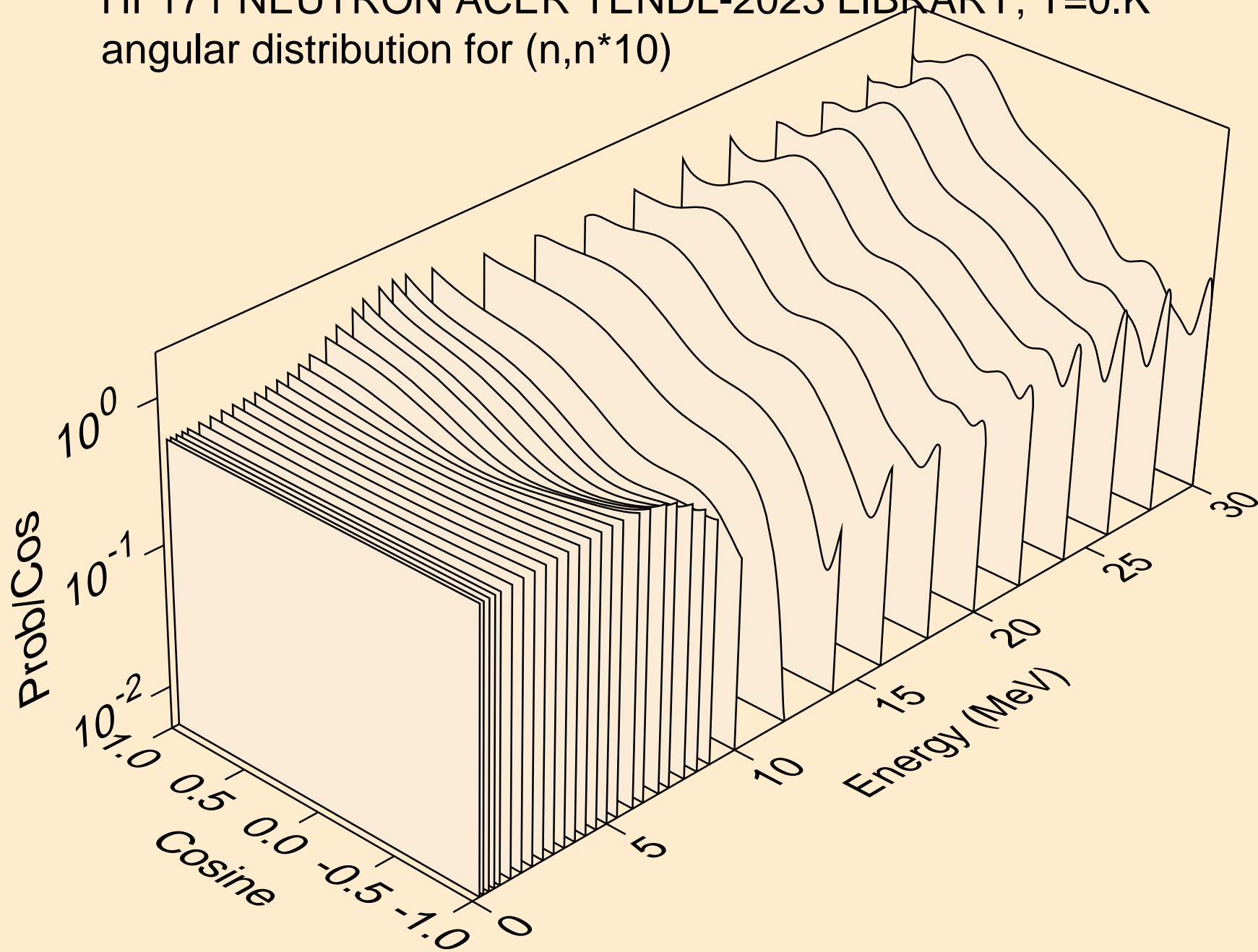
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angular distribution for (n,n\*8)



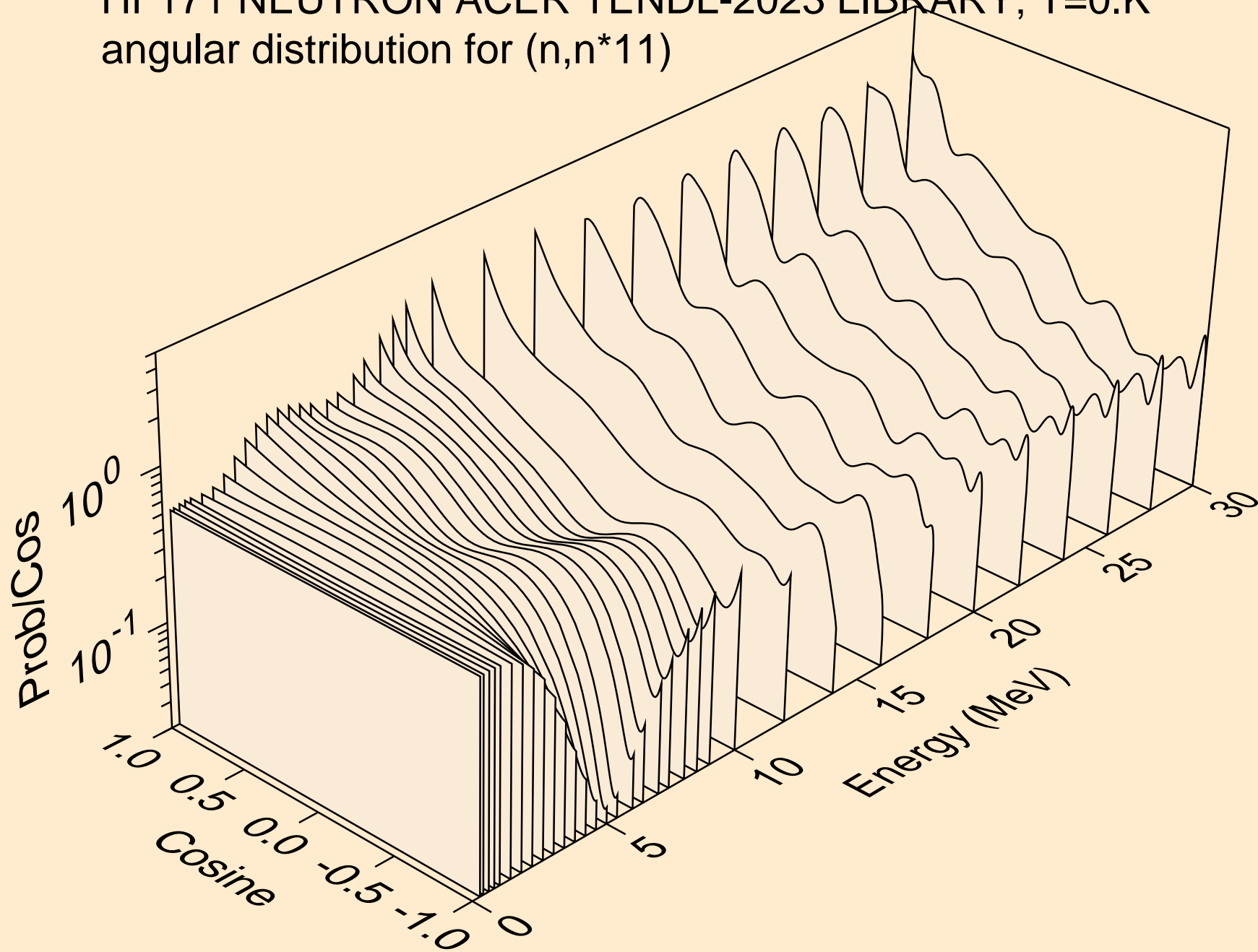
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

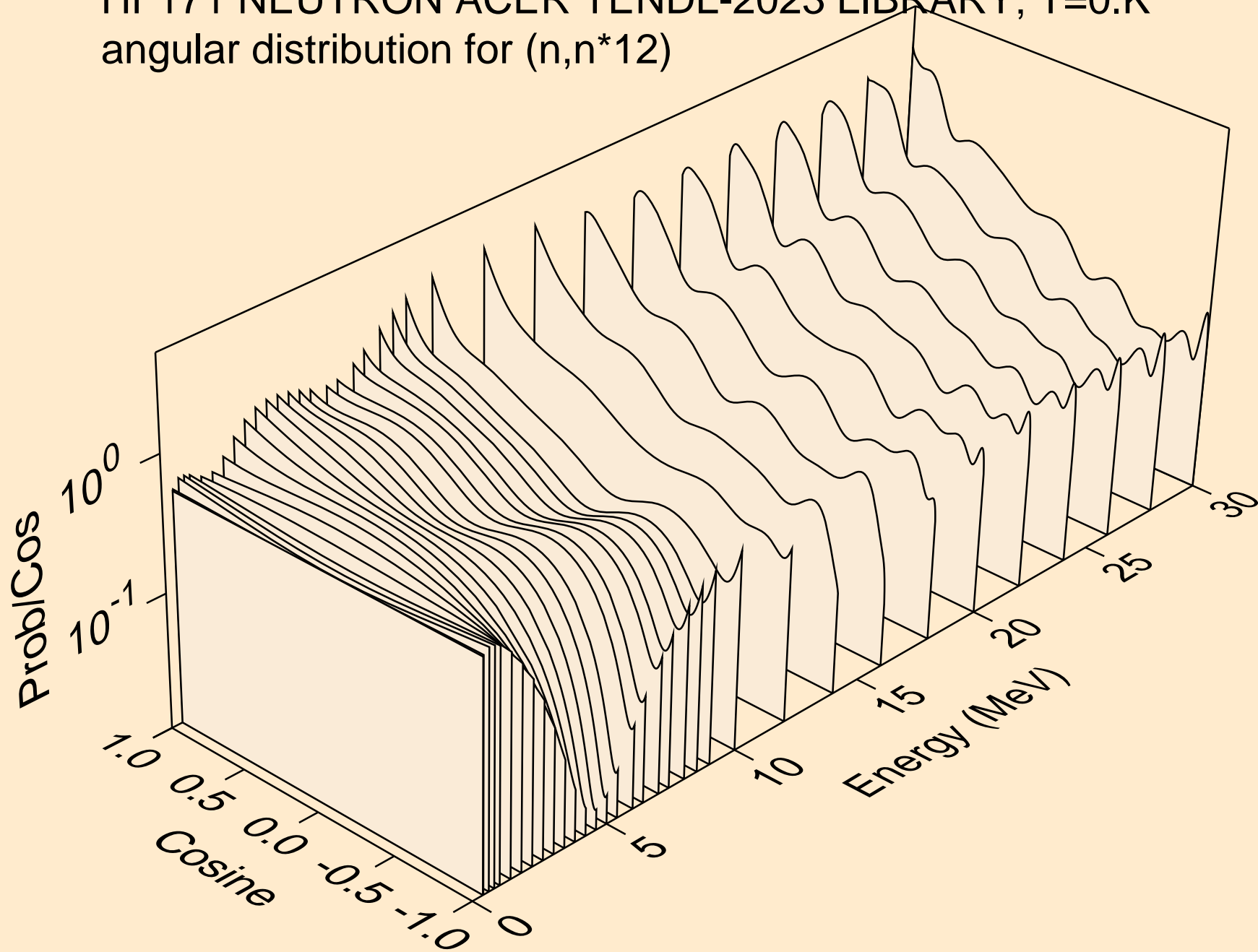


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

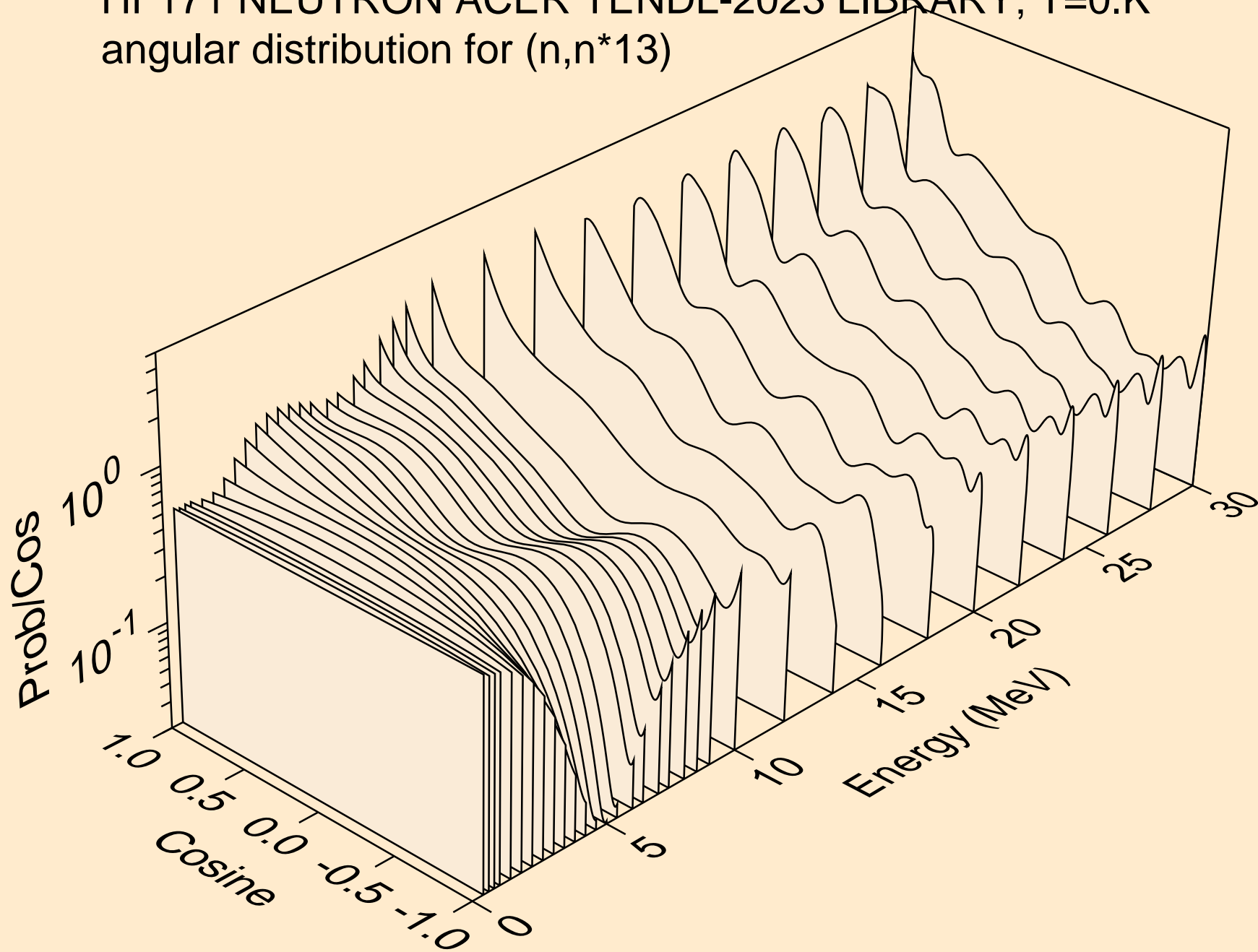




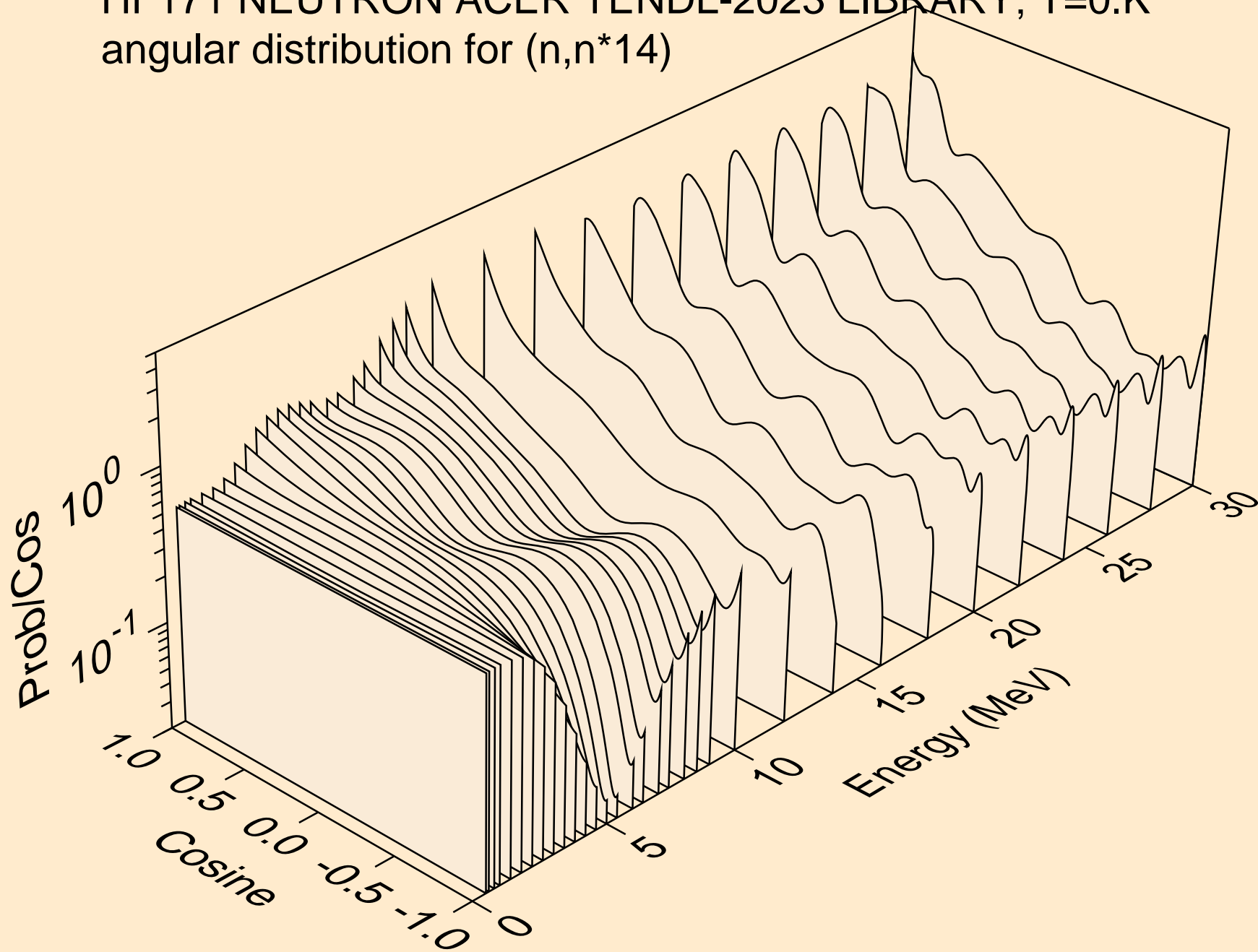
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angular distribution for (n,n\*12)



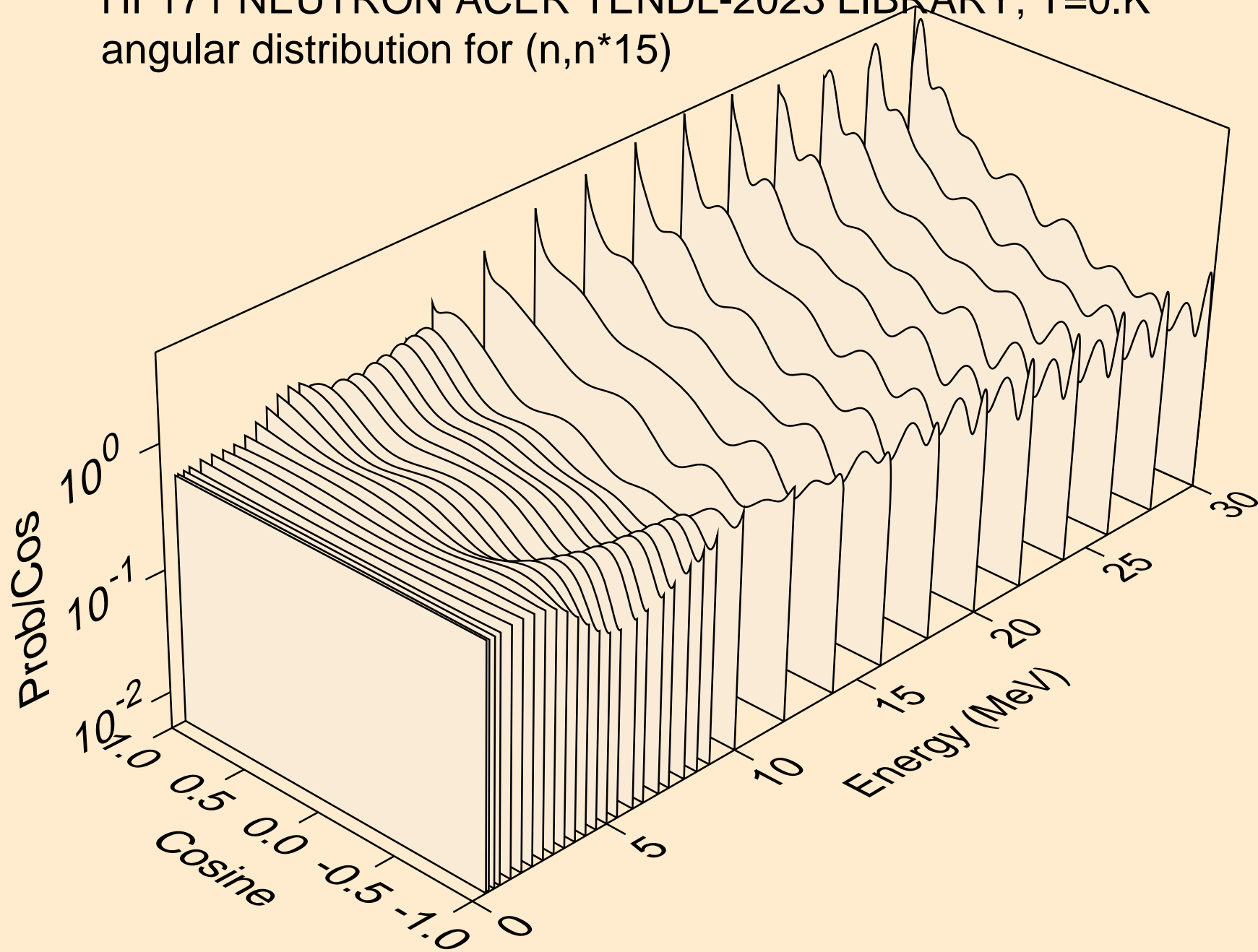
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angular distribution for (n,n\*13)



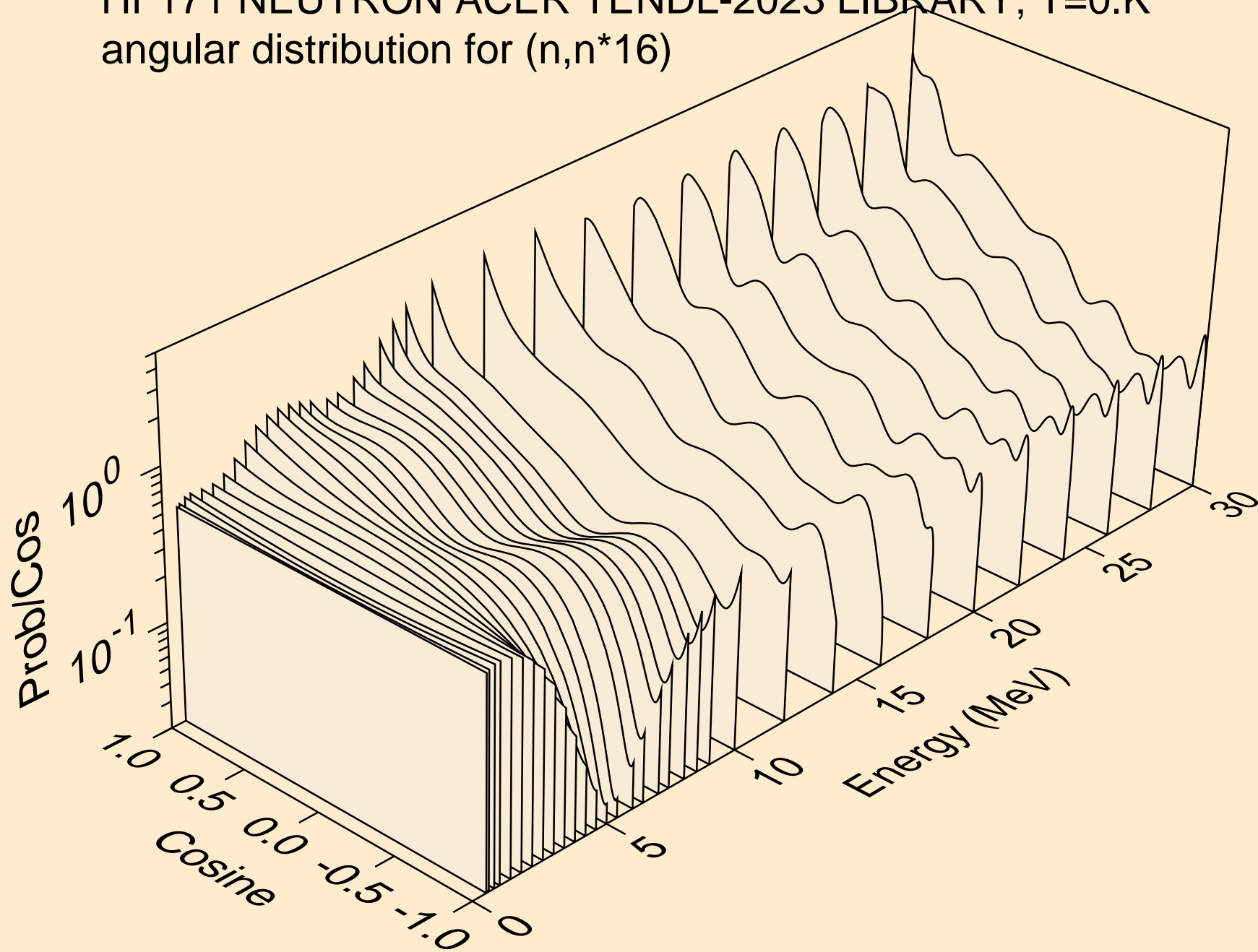
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angular distribution for (n,n\*14)



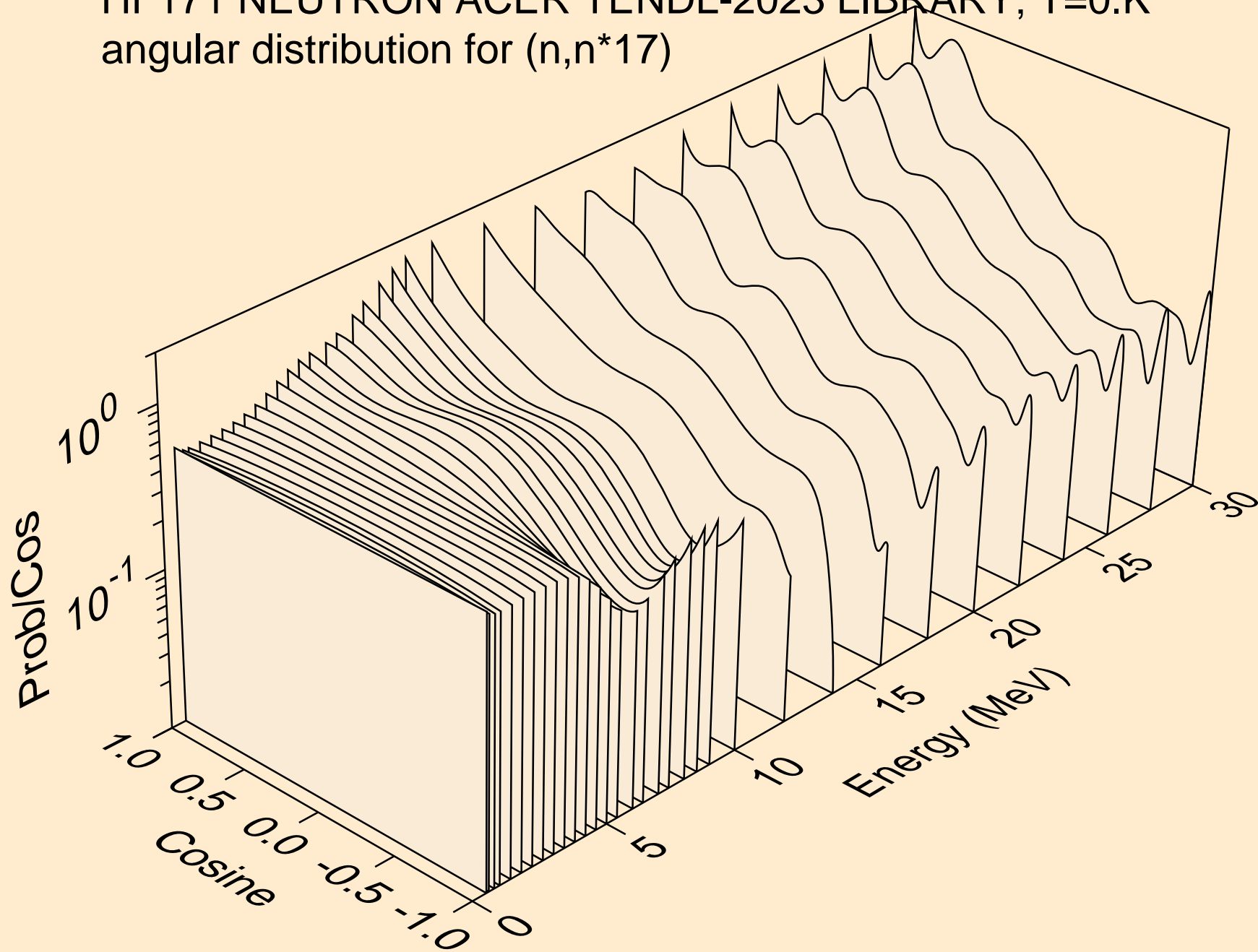
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angular distribution for (n,n\*15)



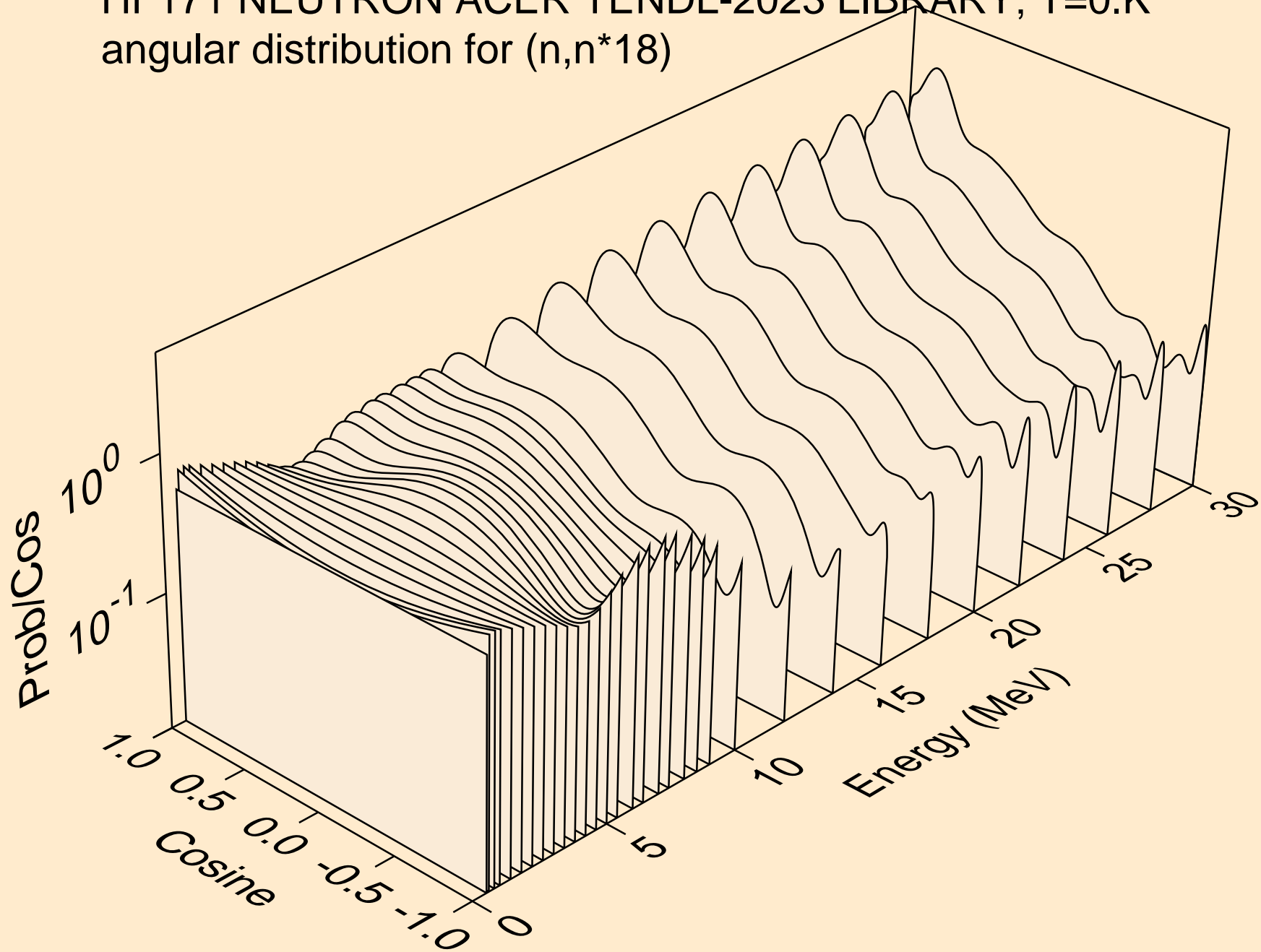
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angular distribution for (n,n\*16)



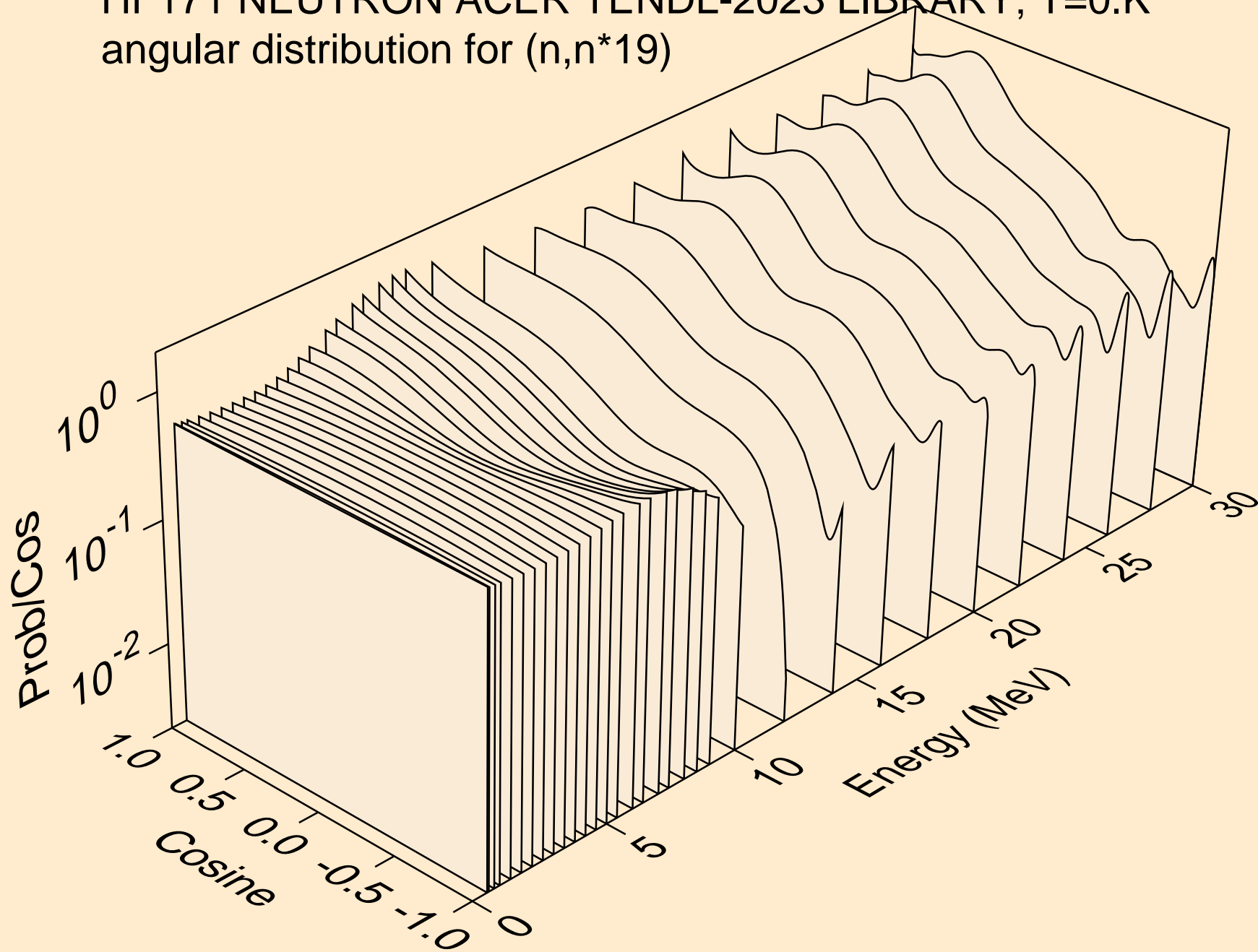
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

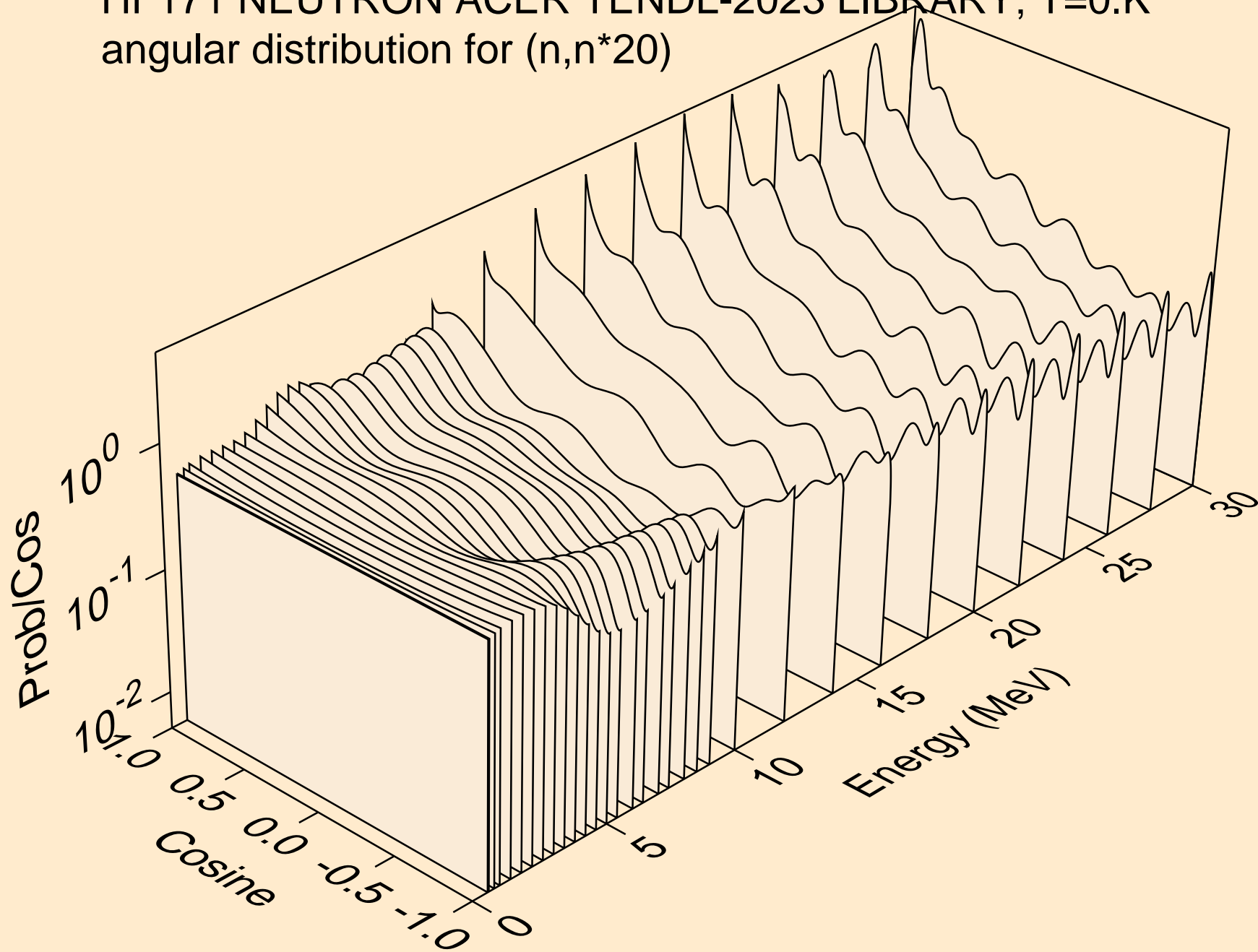


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

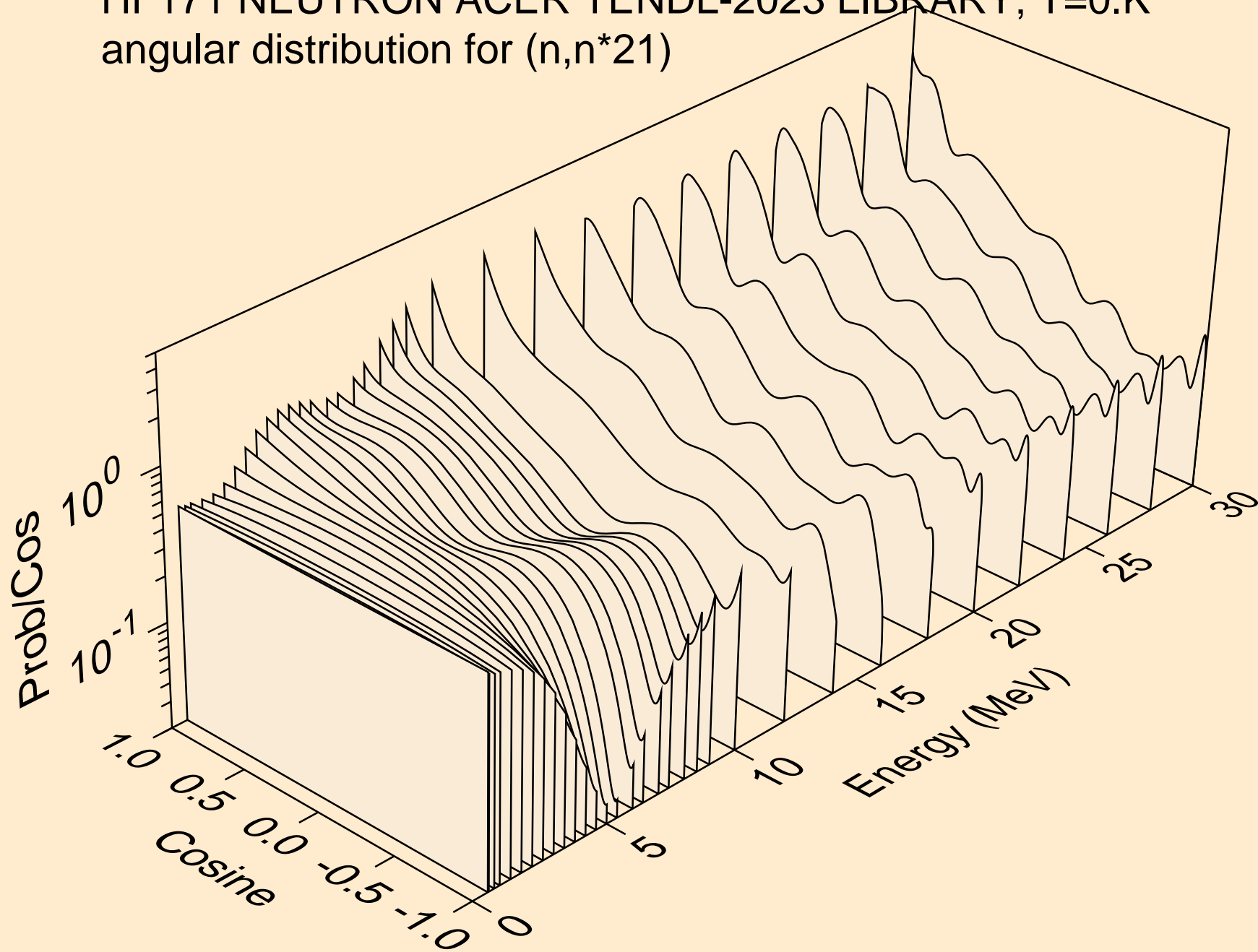




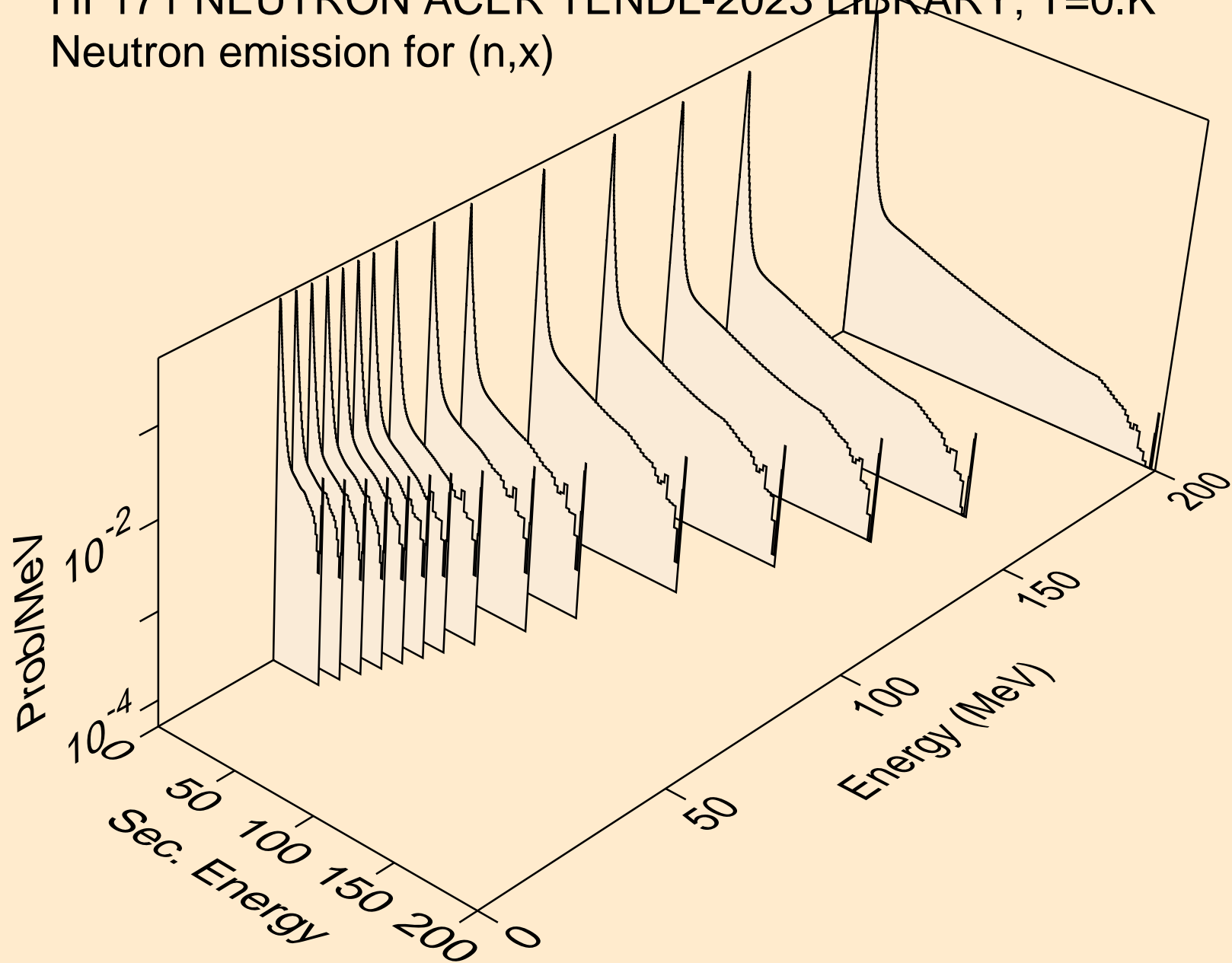
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angular distribution for (n,n\*20)



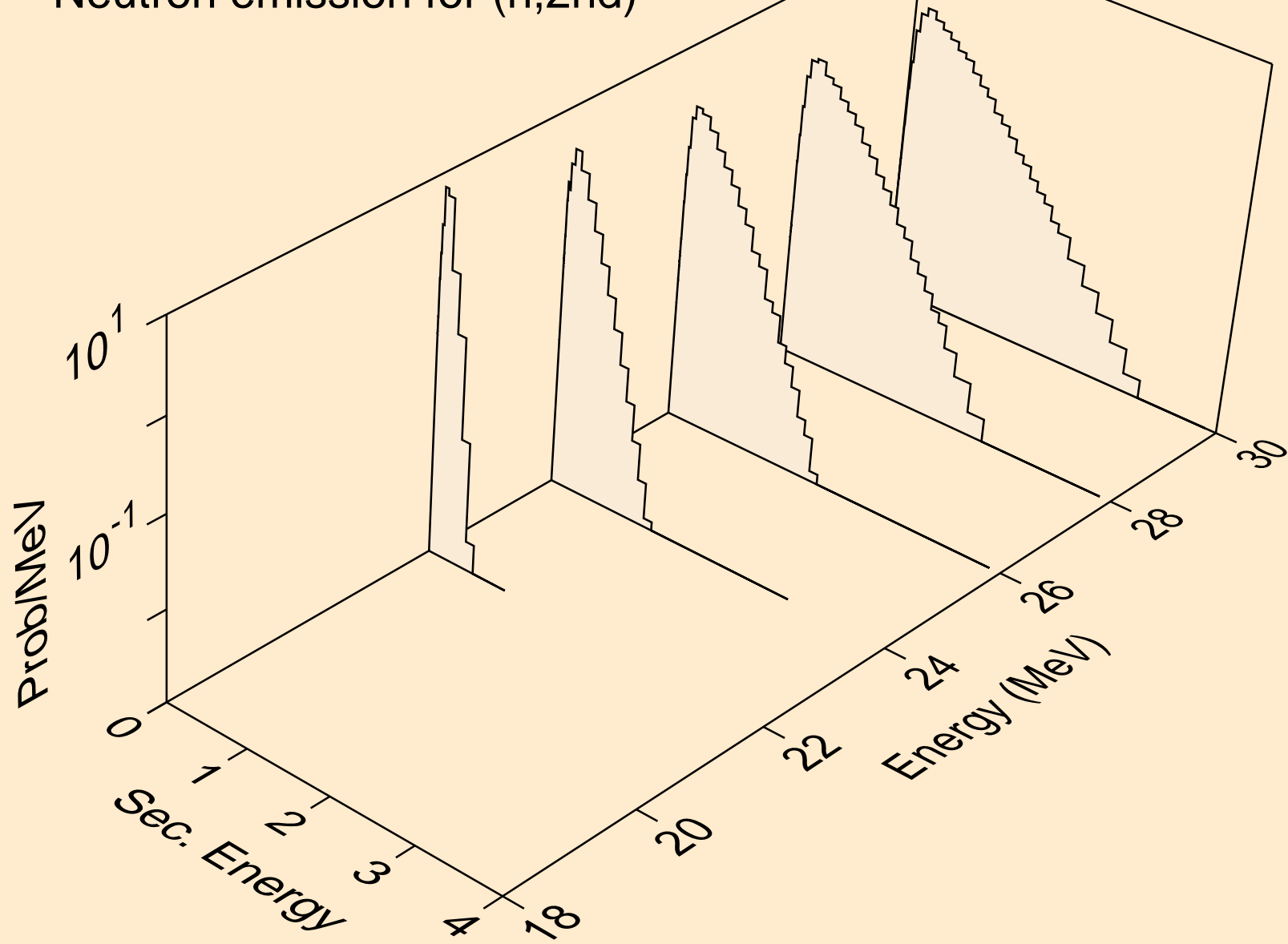
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angular distribution for (n,n\*21)



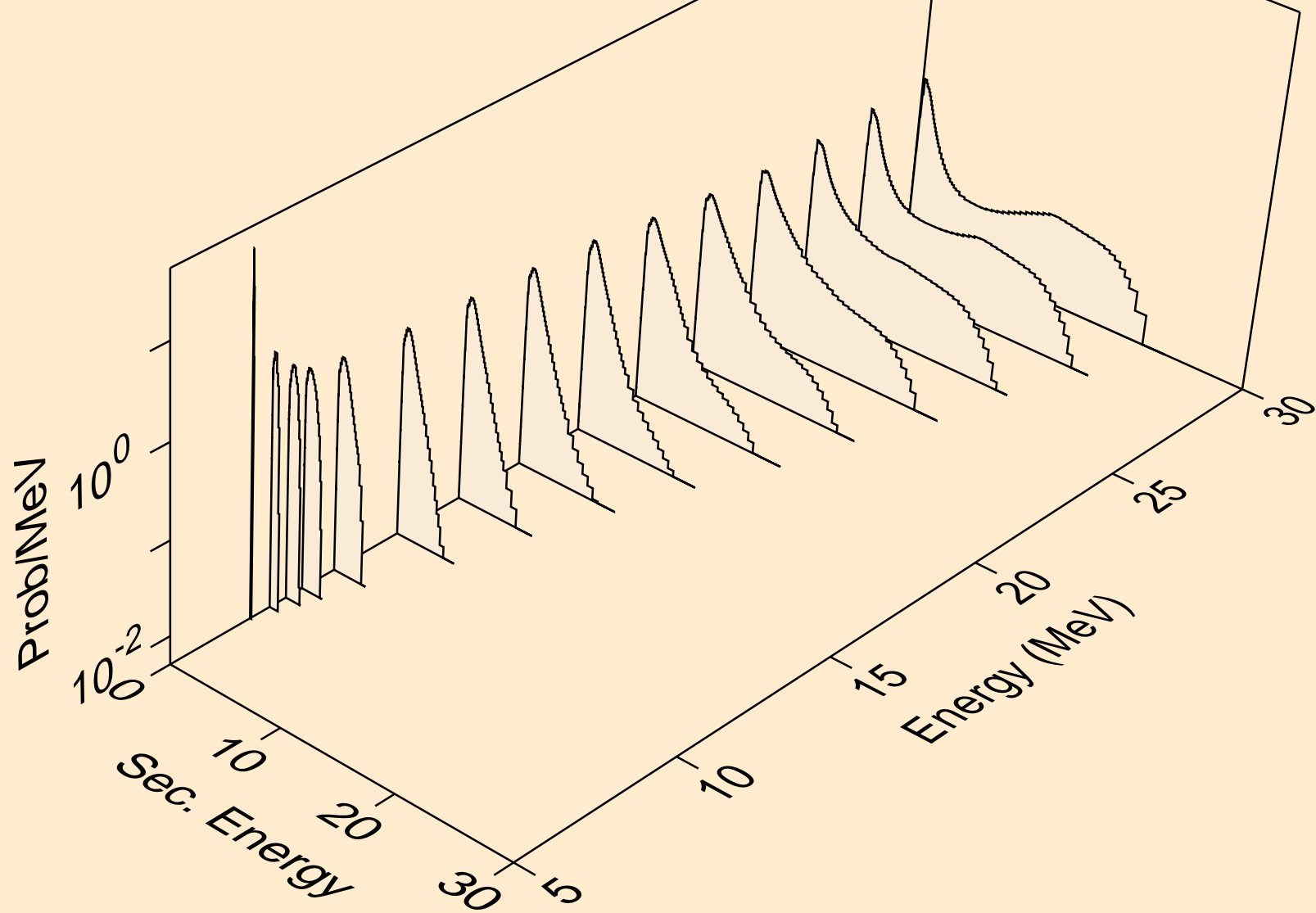
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



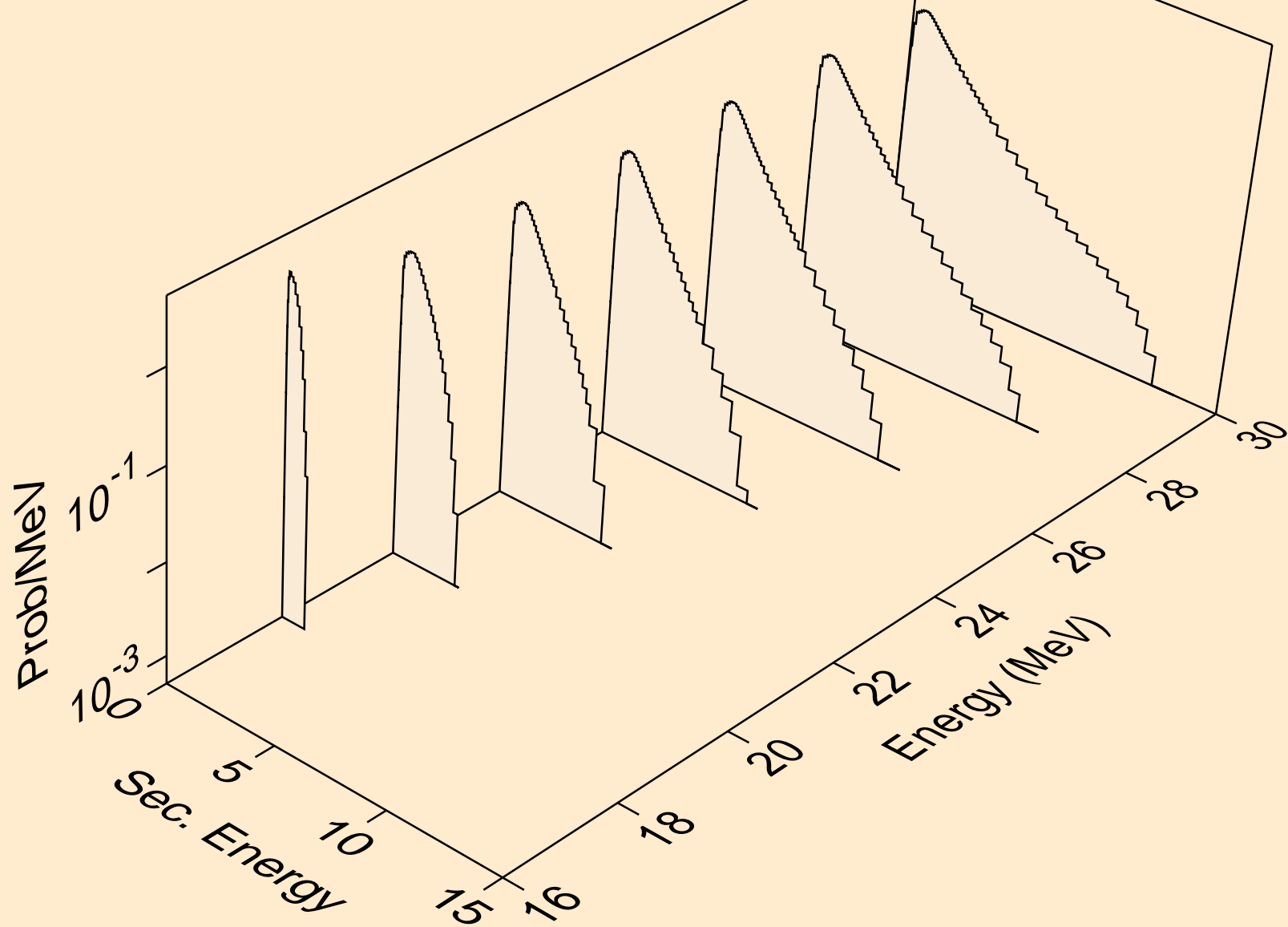
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



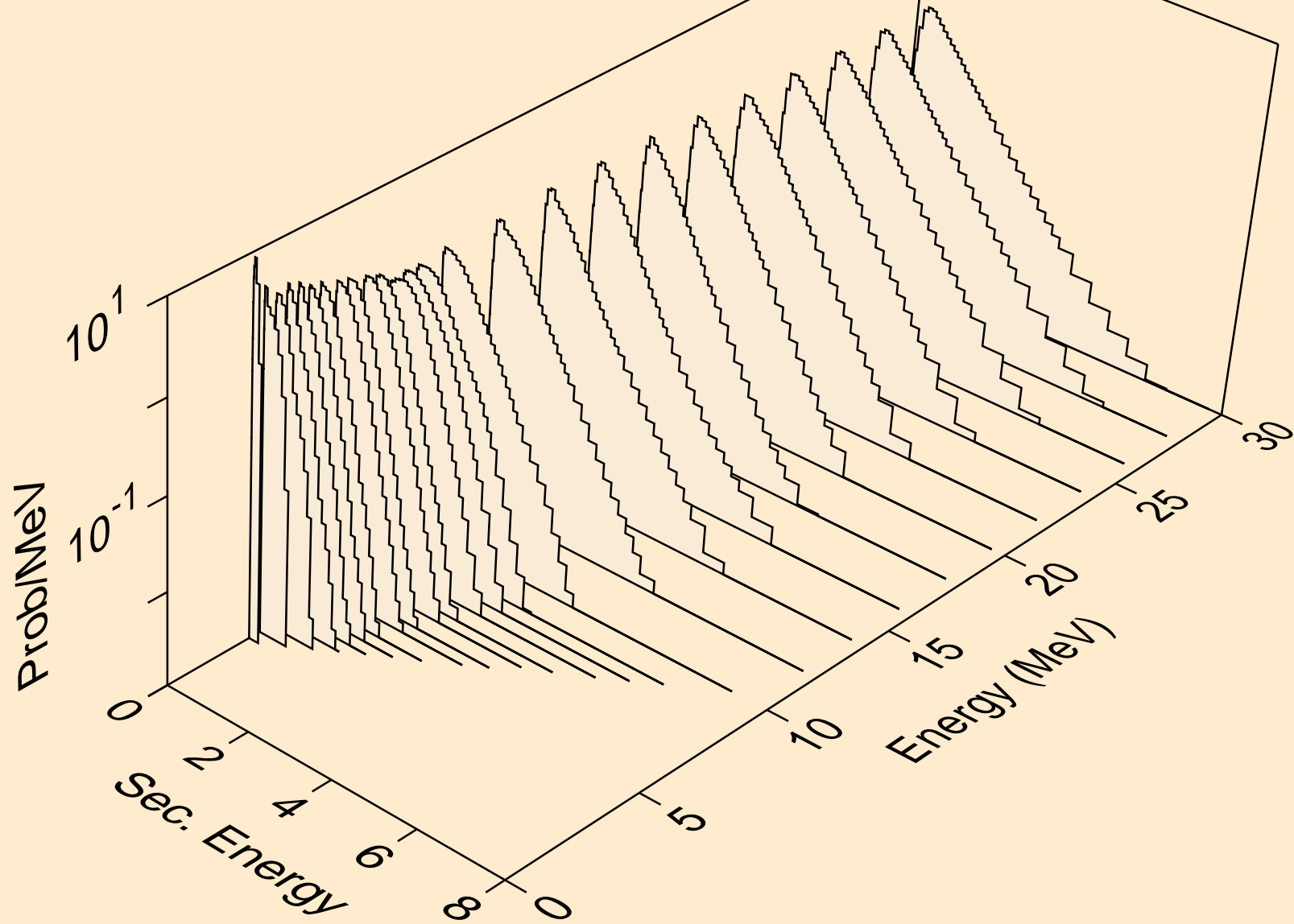
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



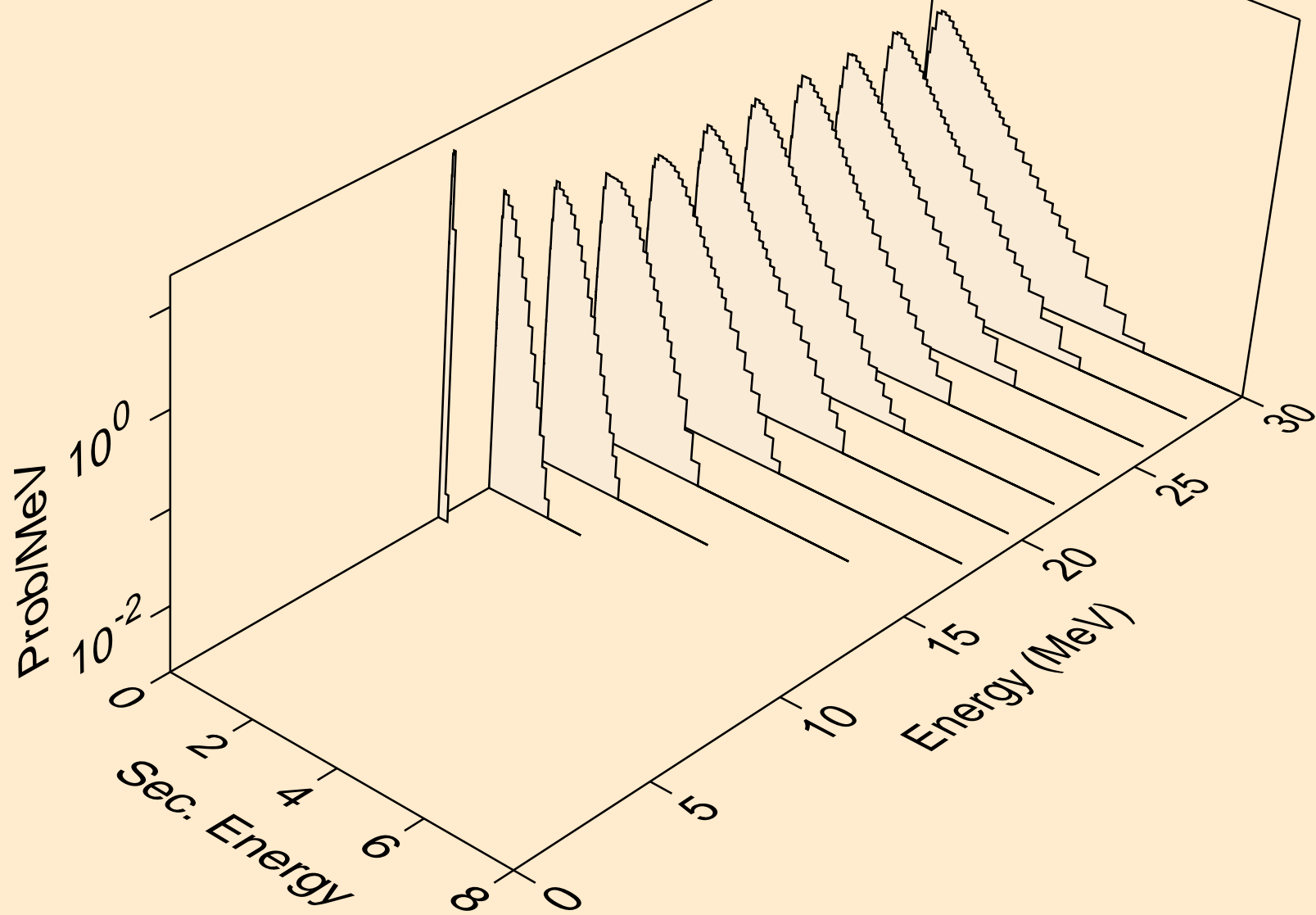
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

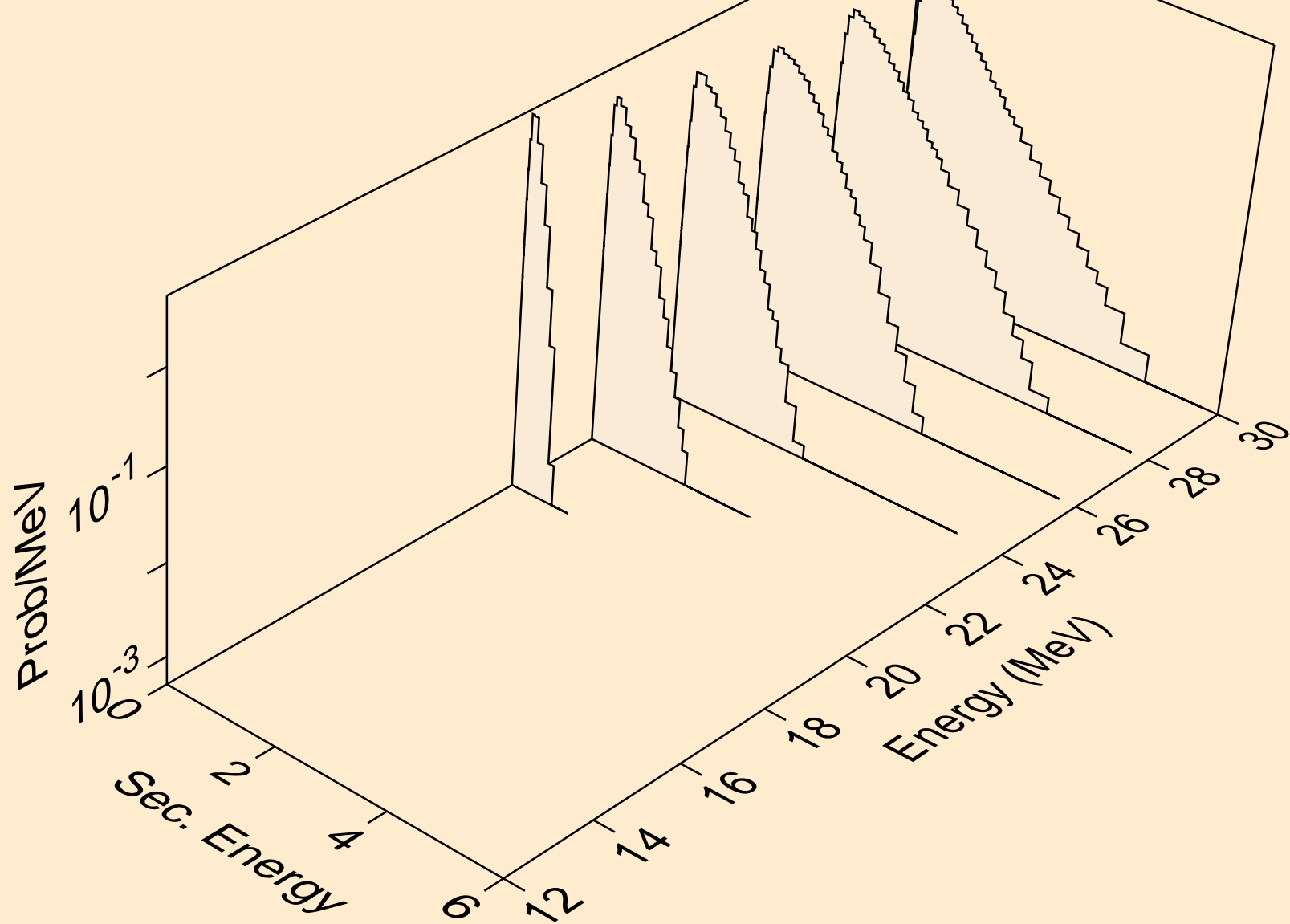


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

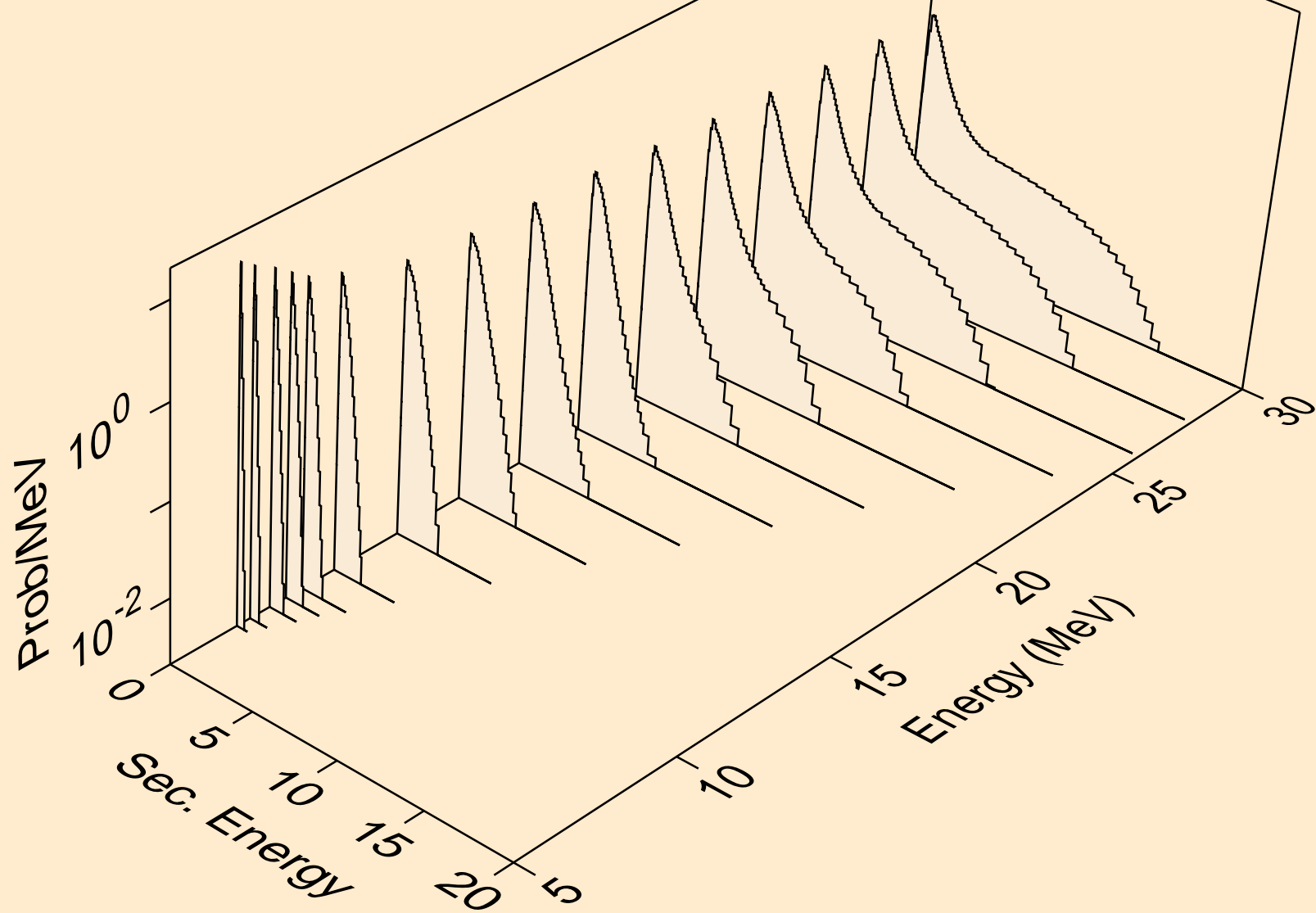




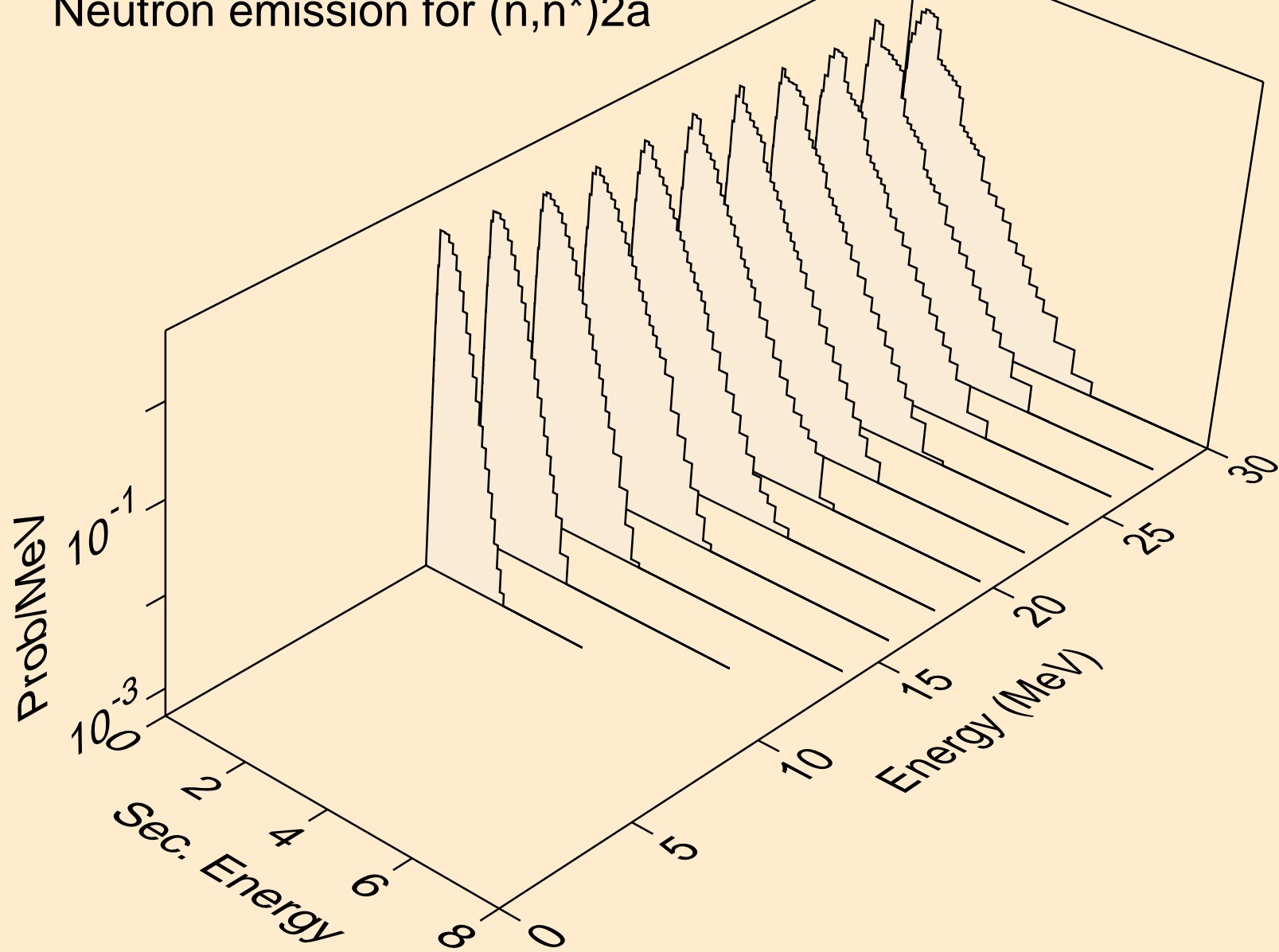
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Neutron emission for (n,3n)a



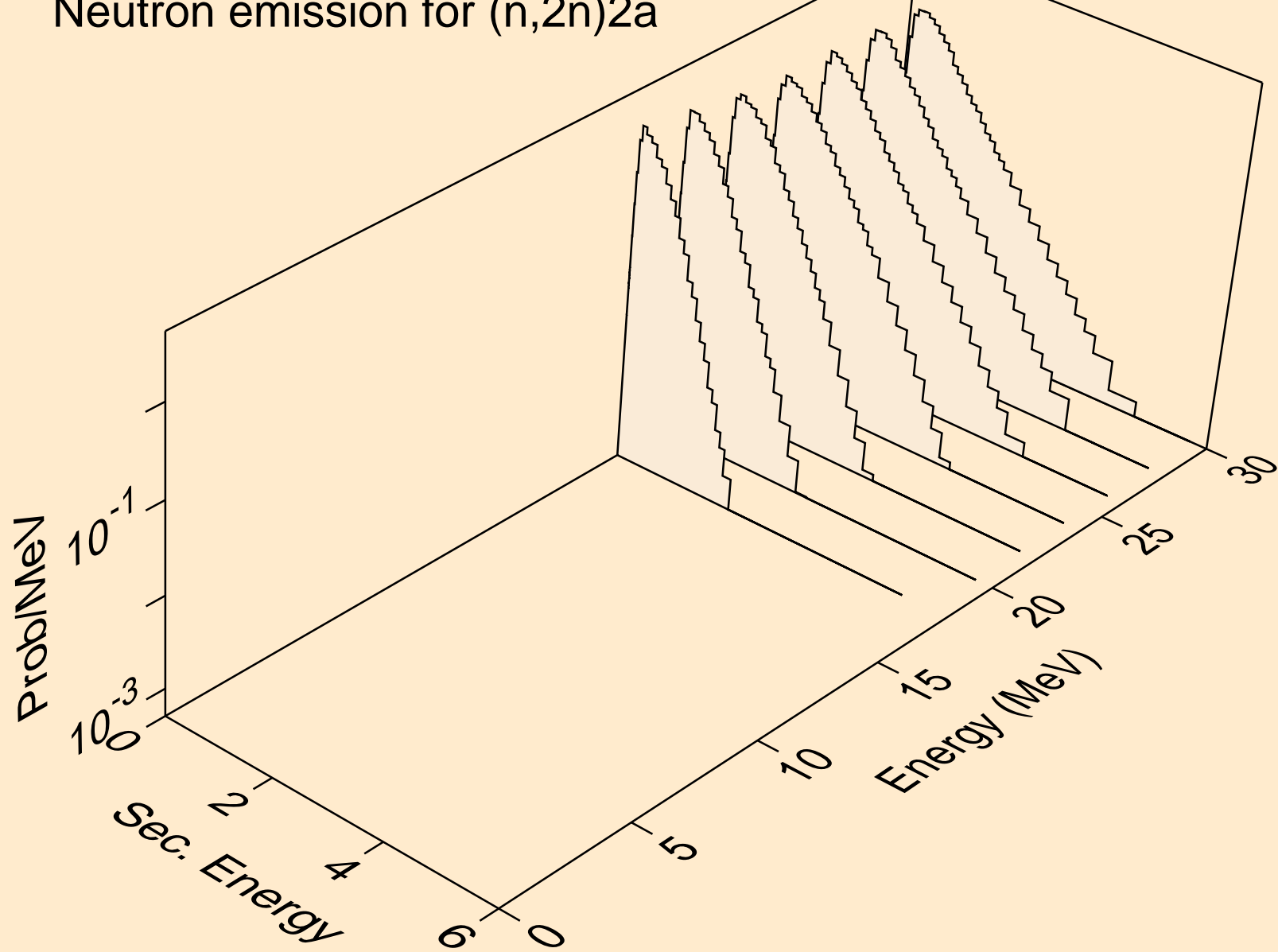
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Neutron emission for (n,n\*)p



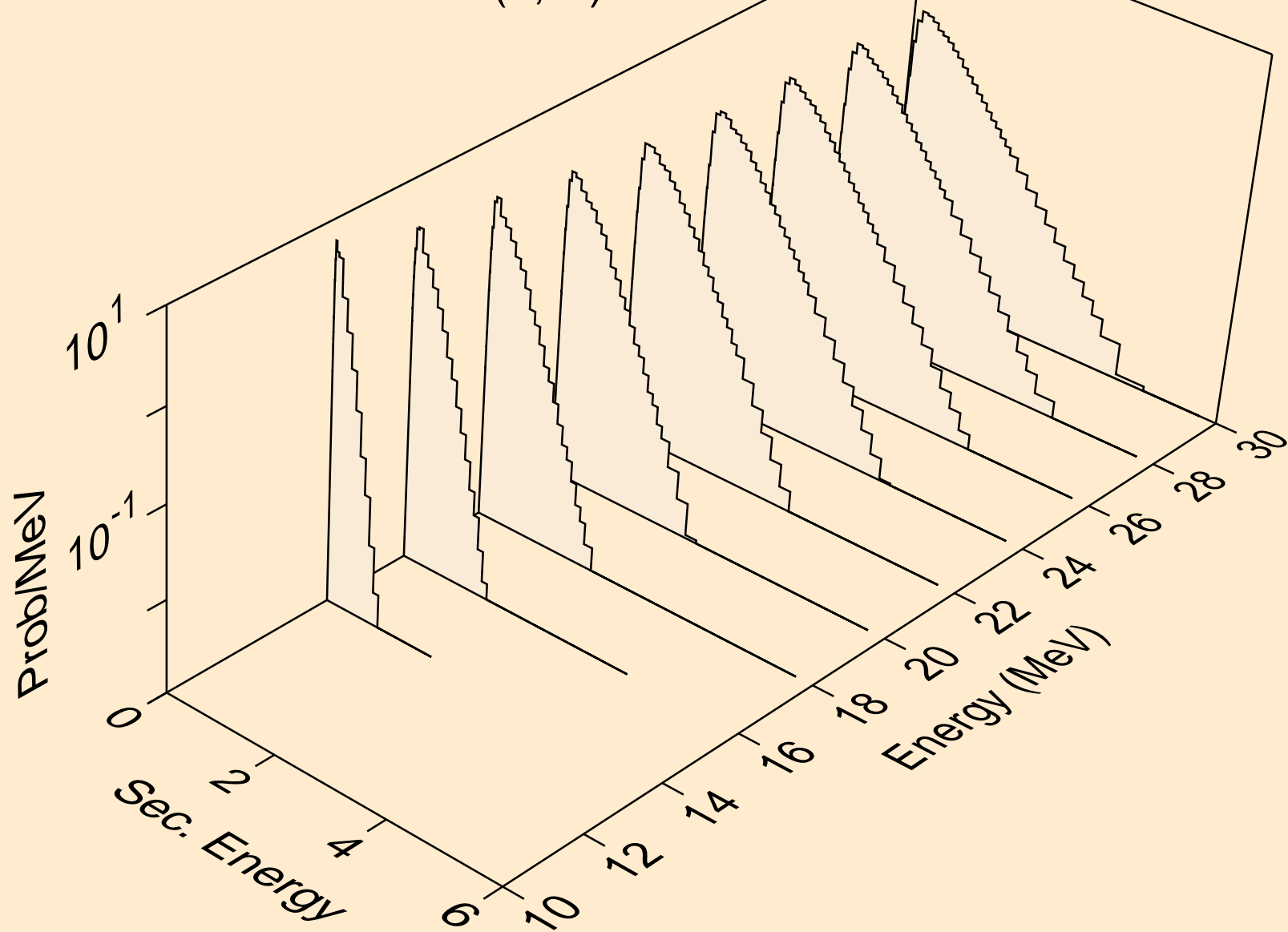
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



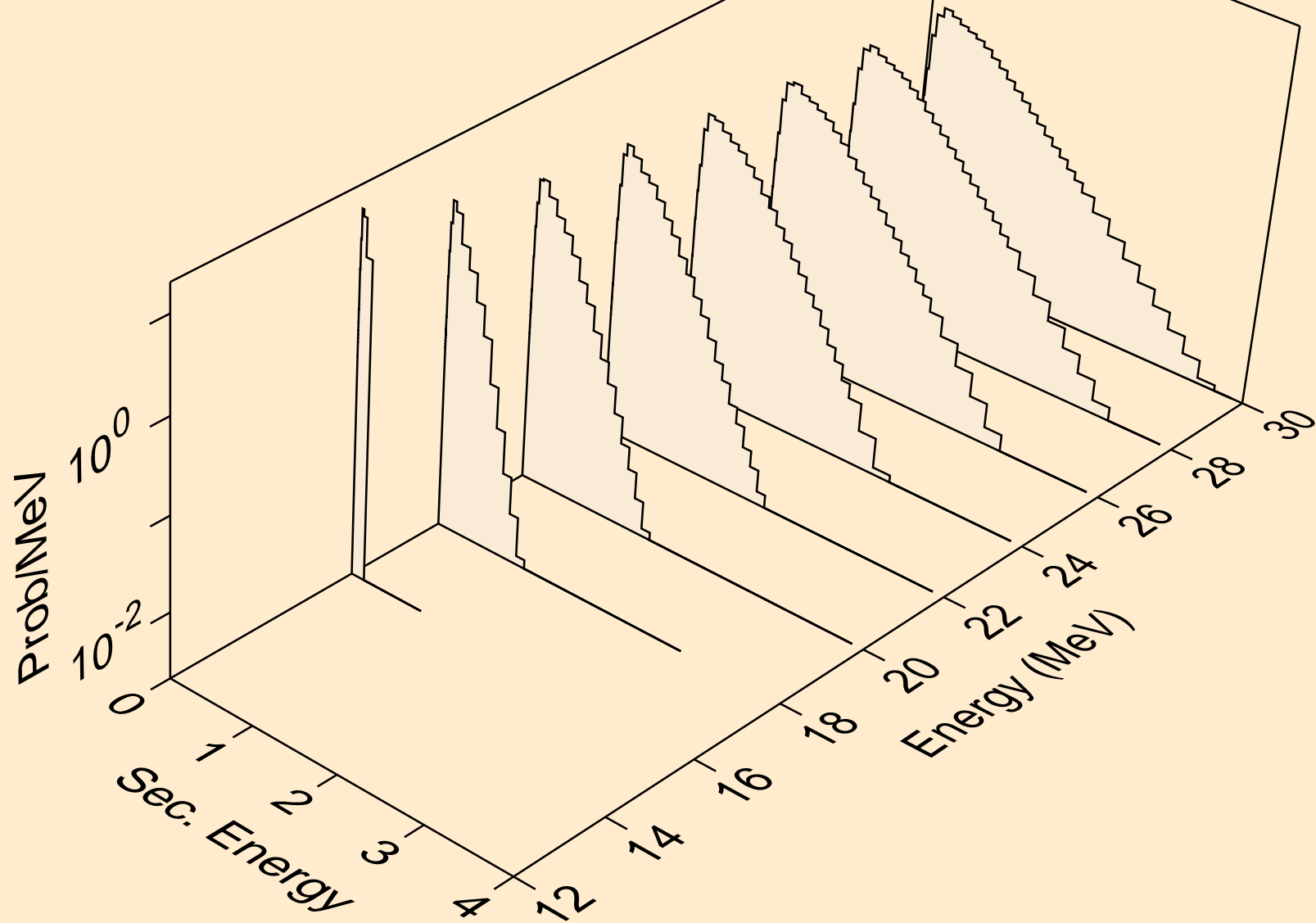
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Neutron emission for (n,2n)2a



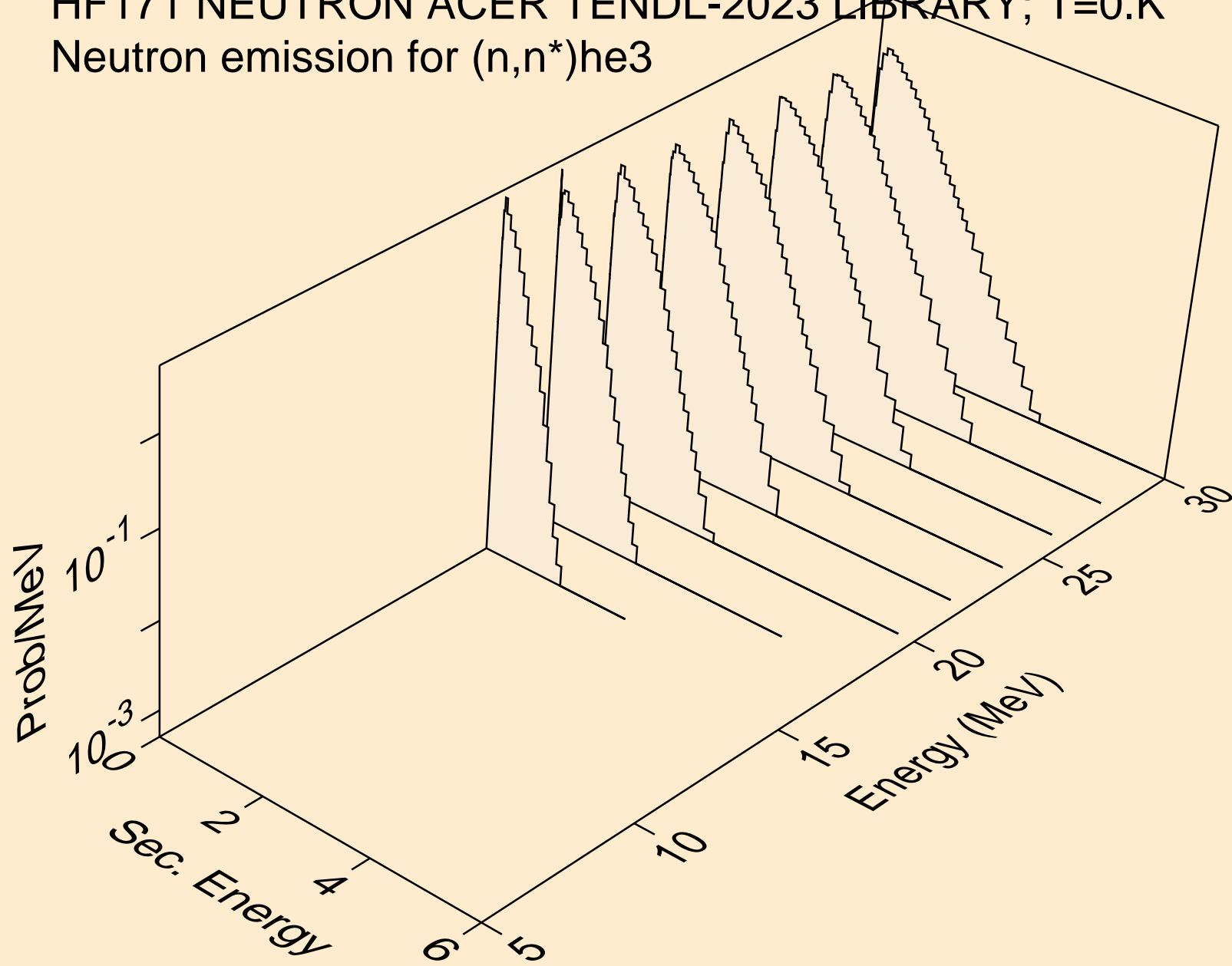
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Neutron emission for (n,n\*)d



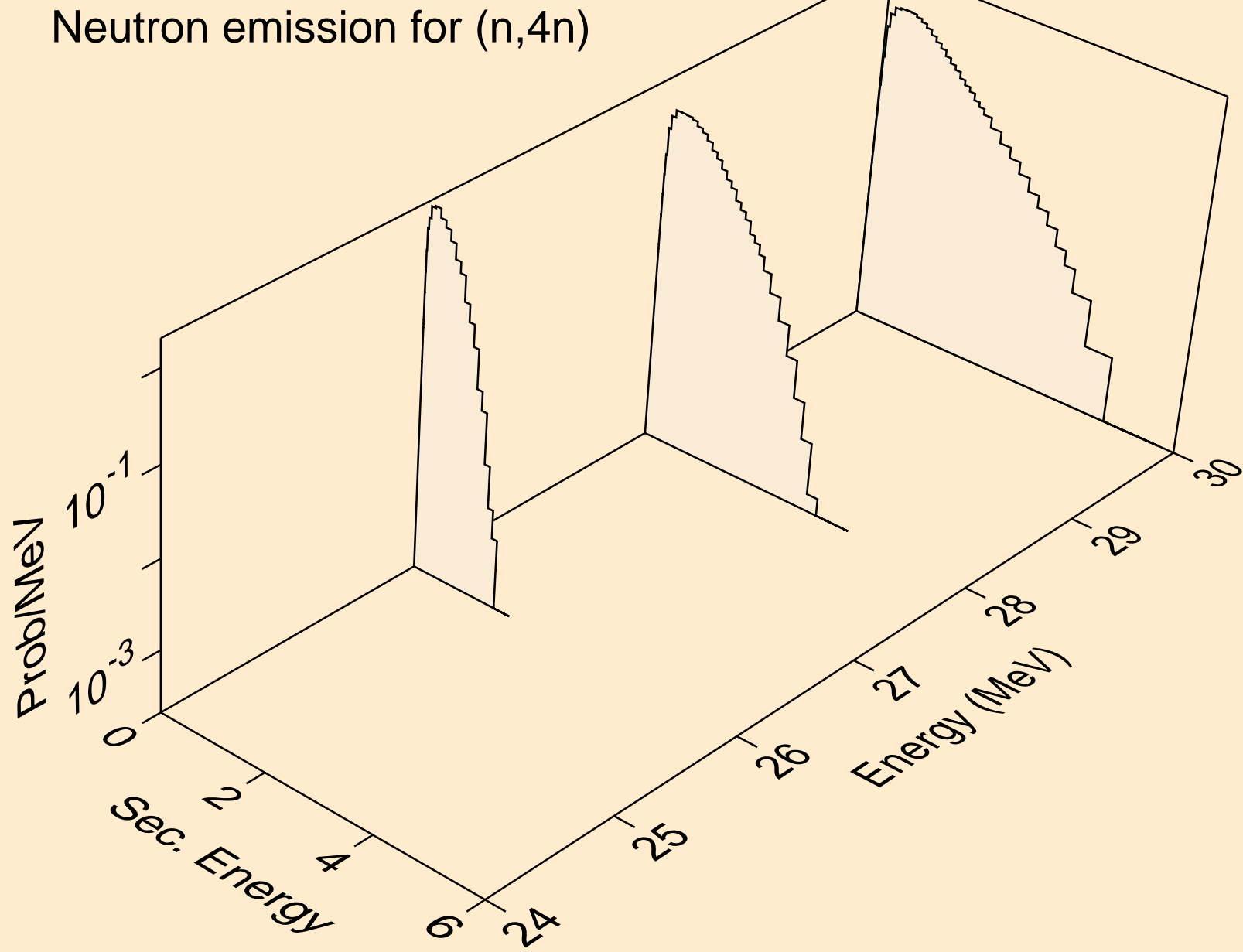
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

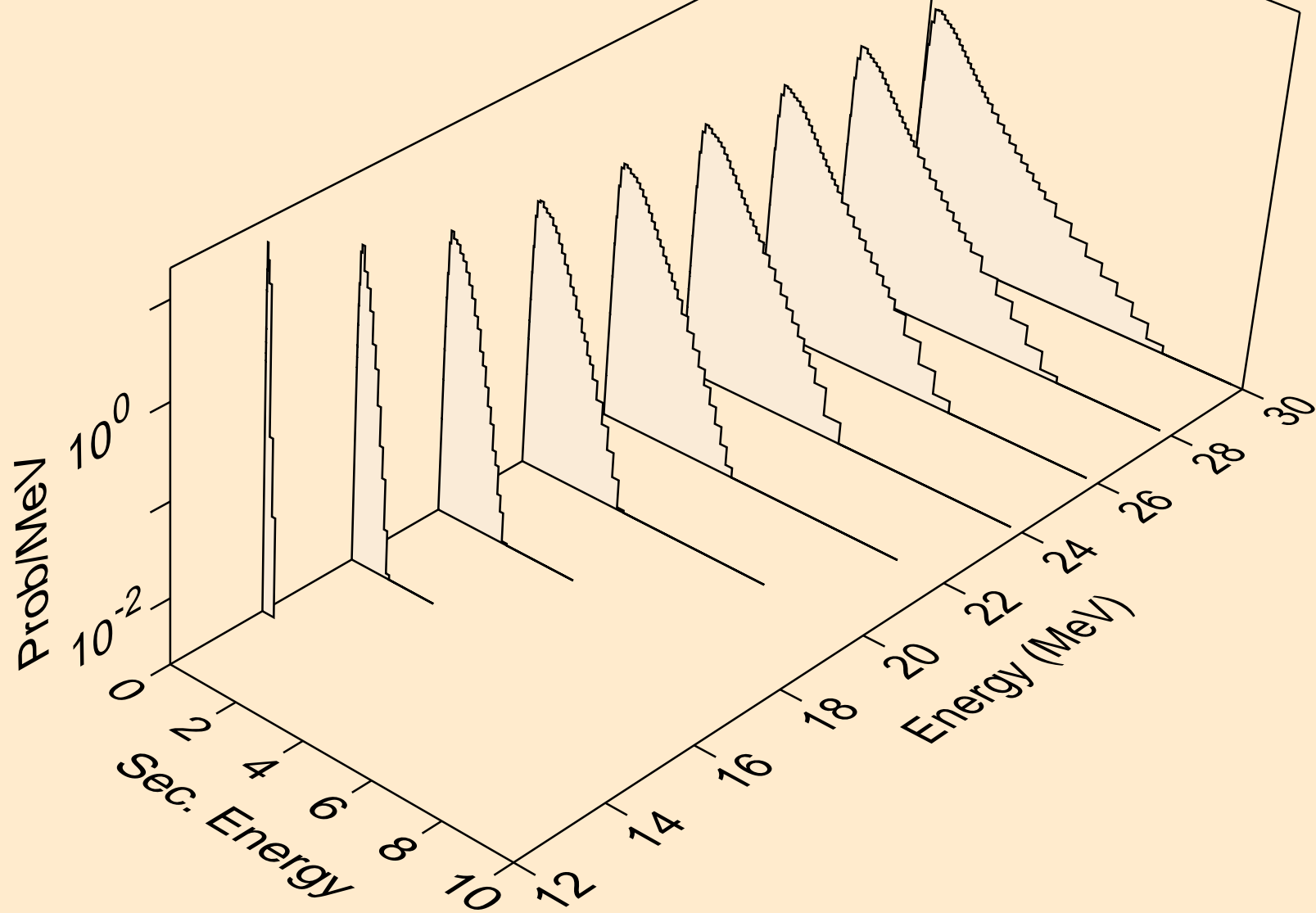


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

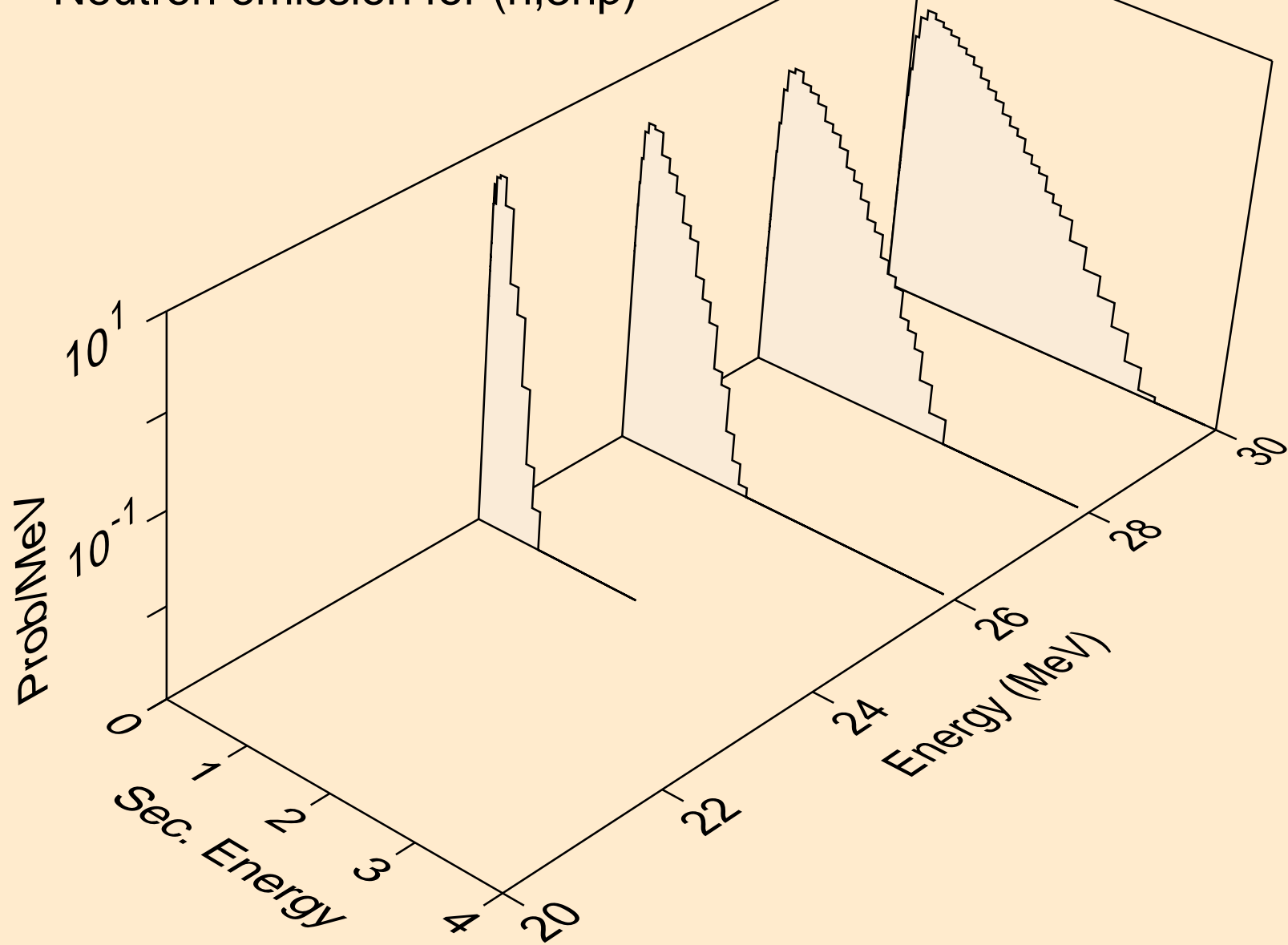




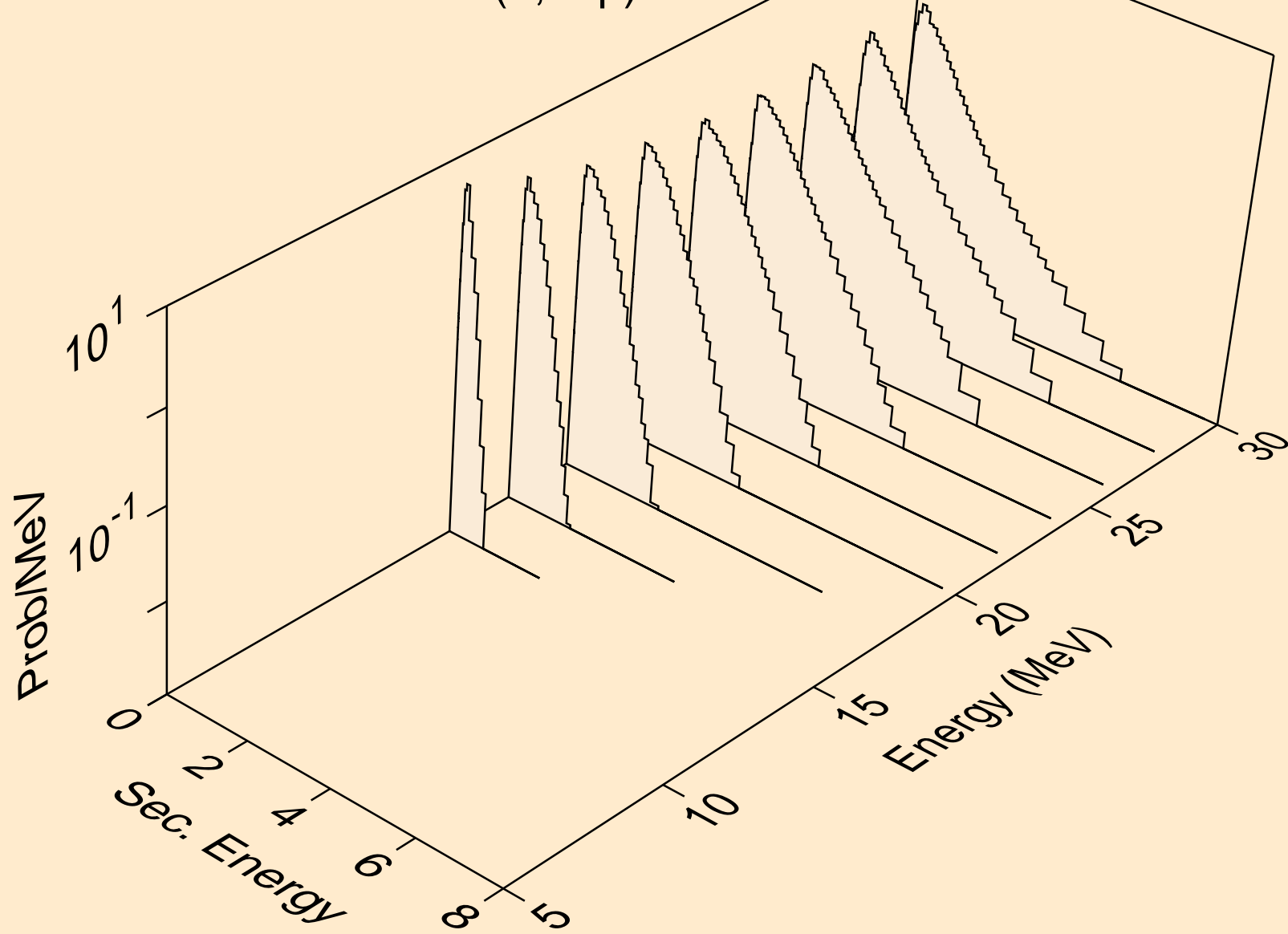
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



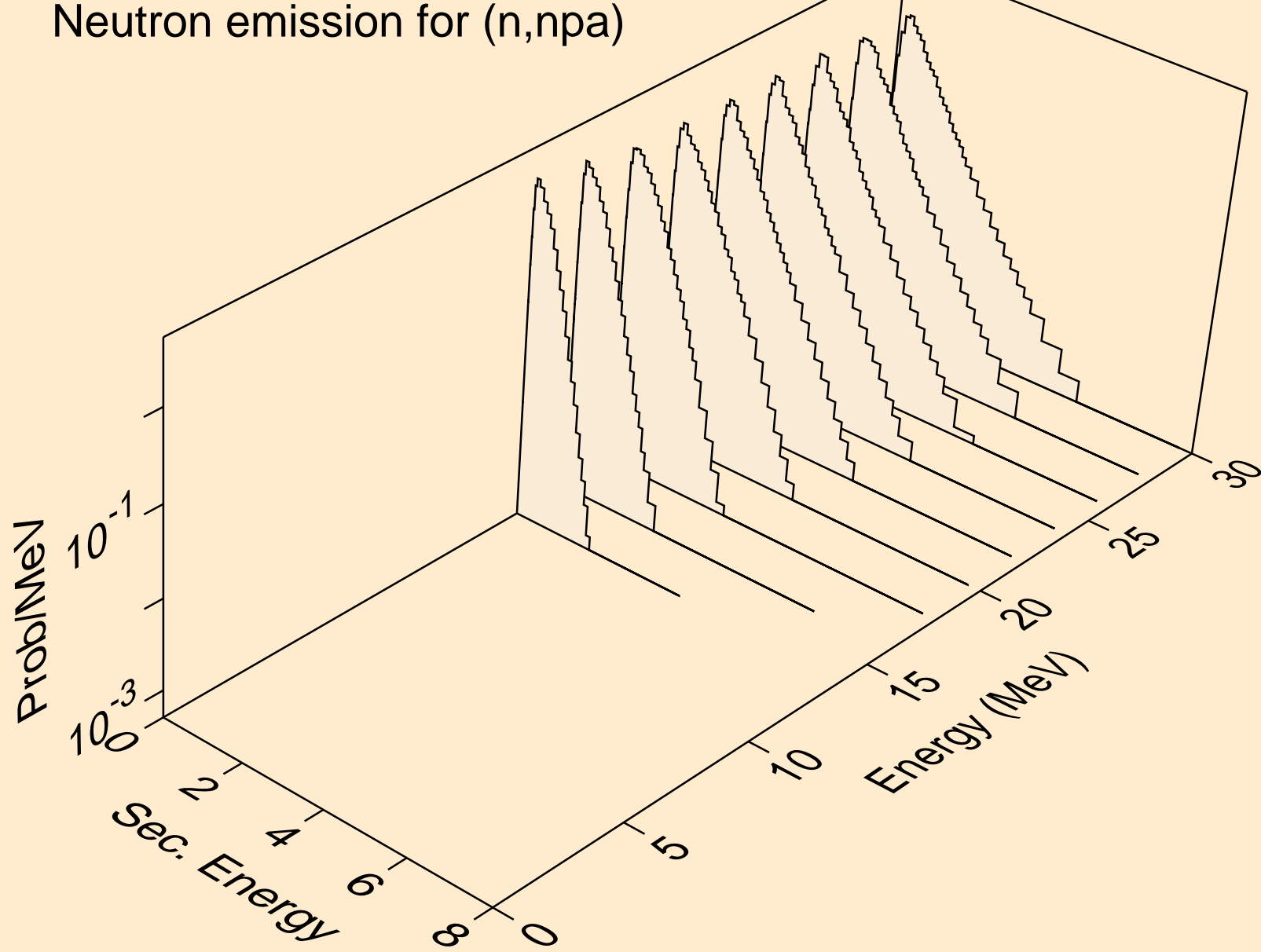
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



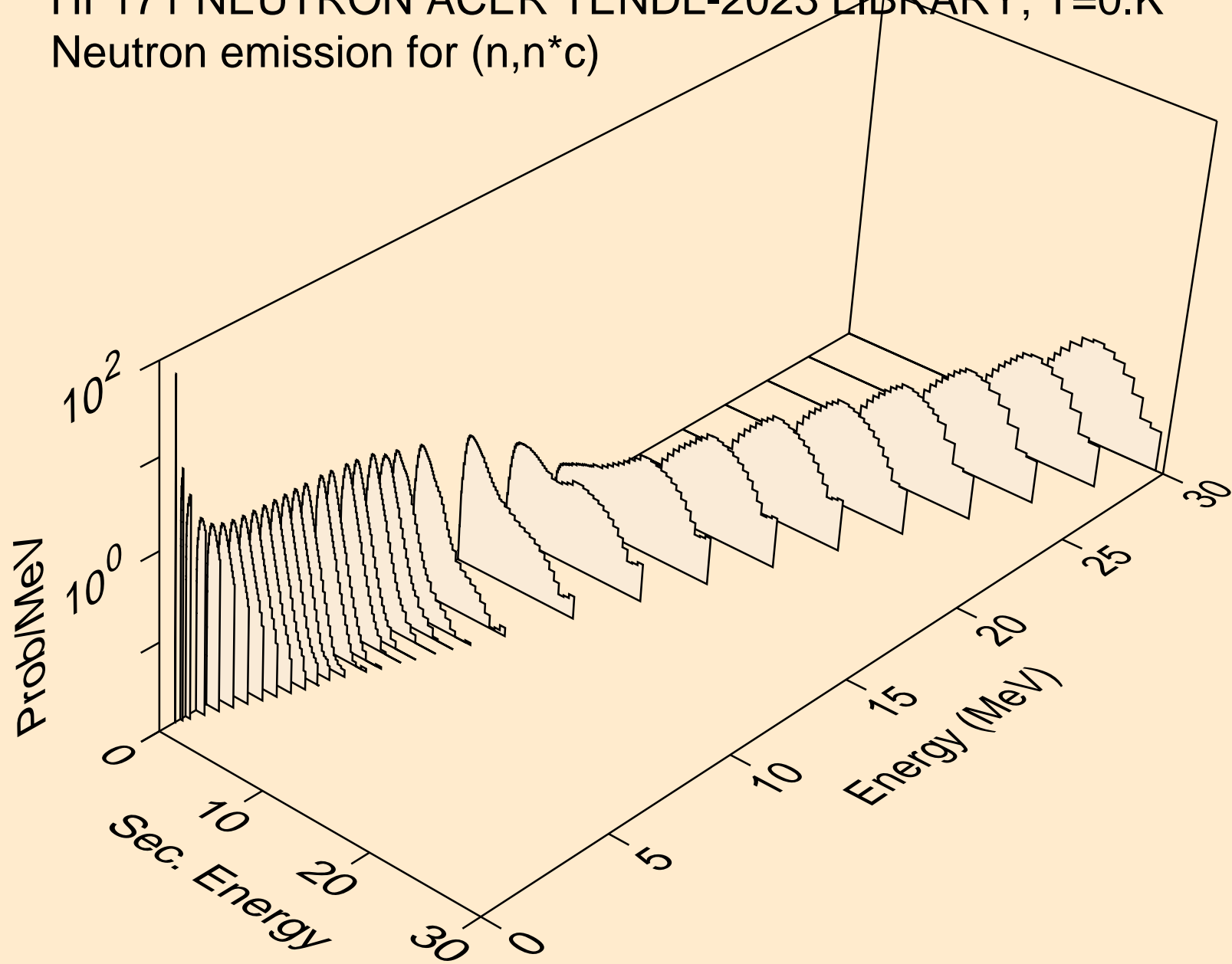
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



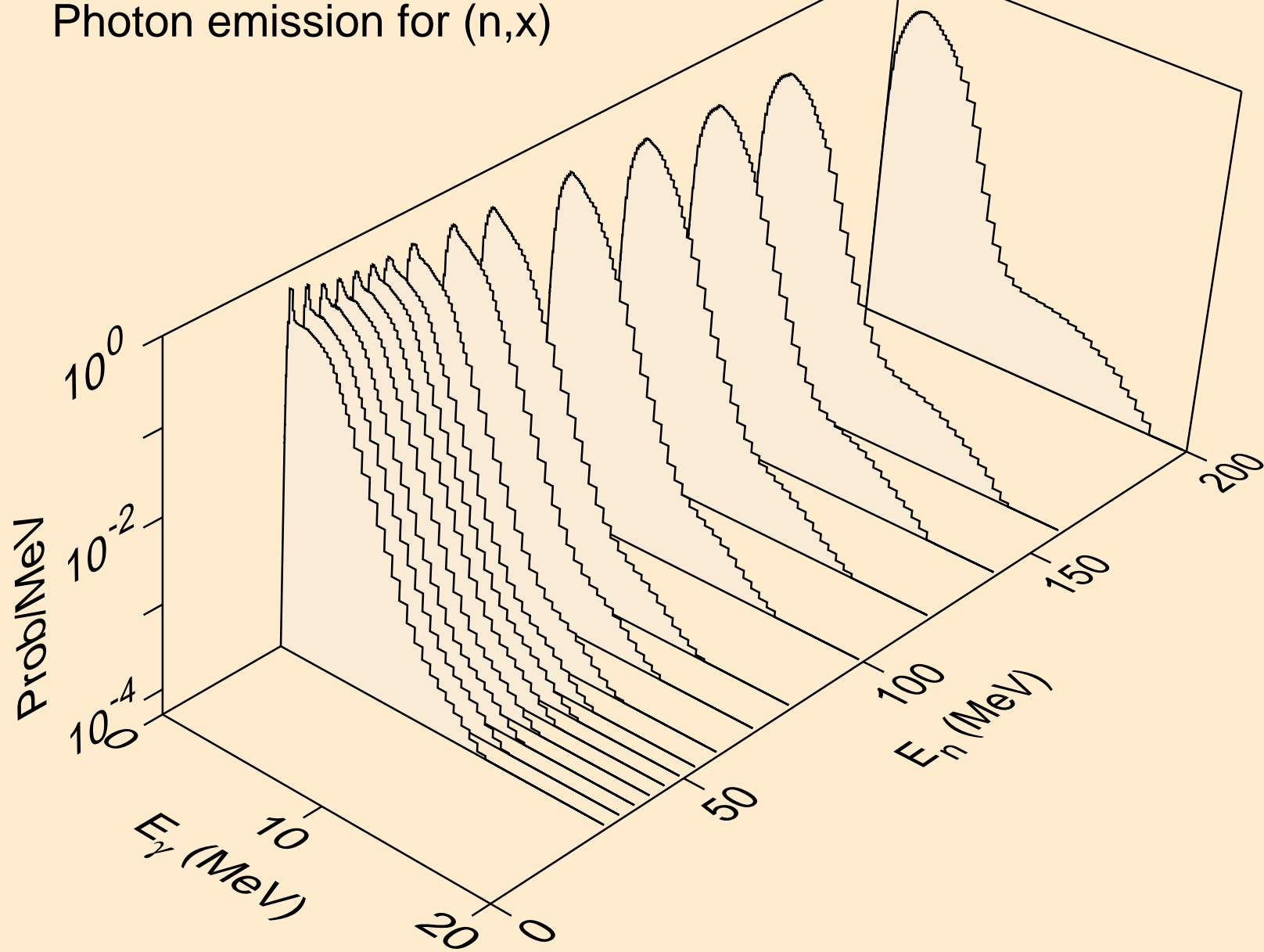
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



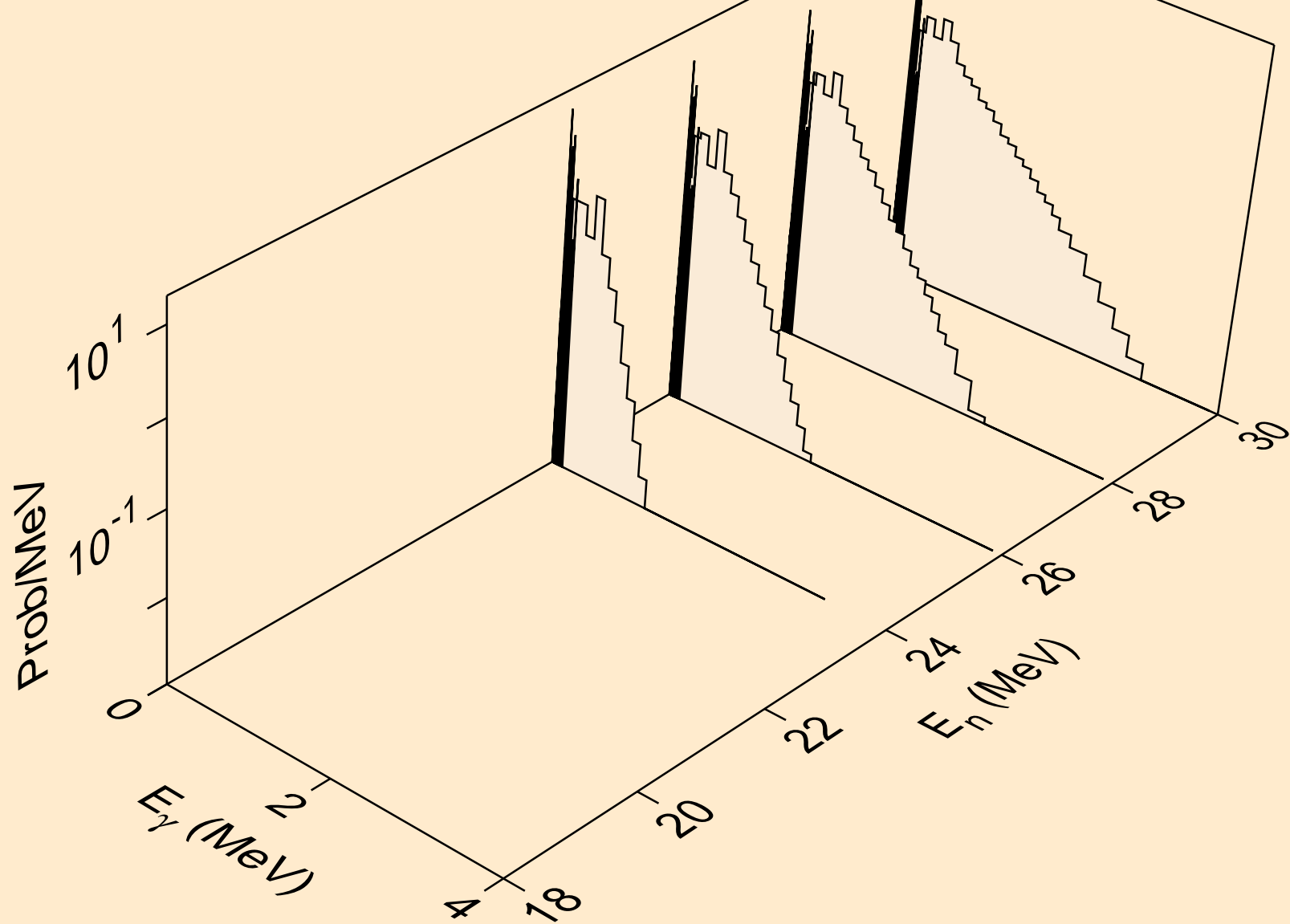
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



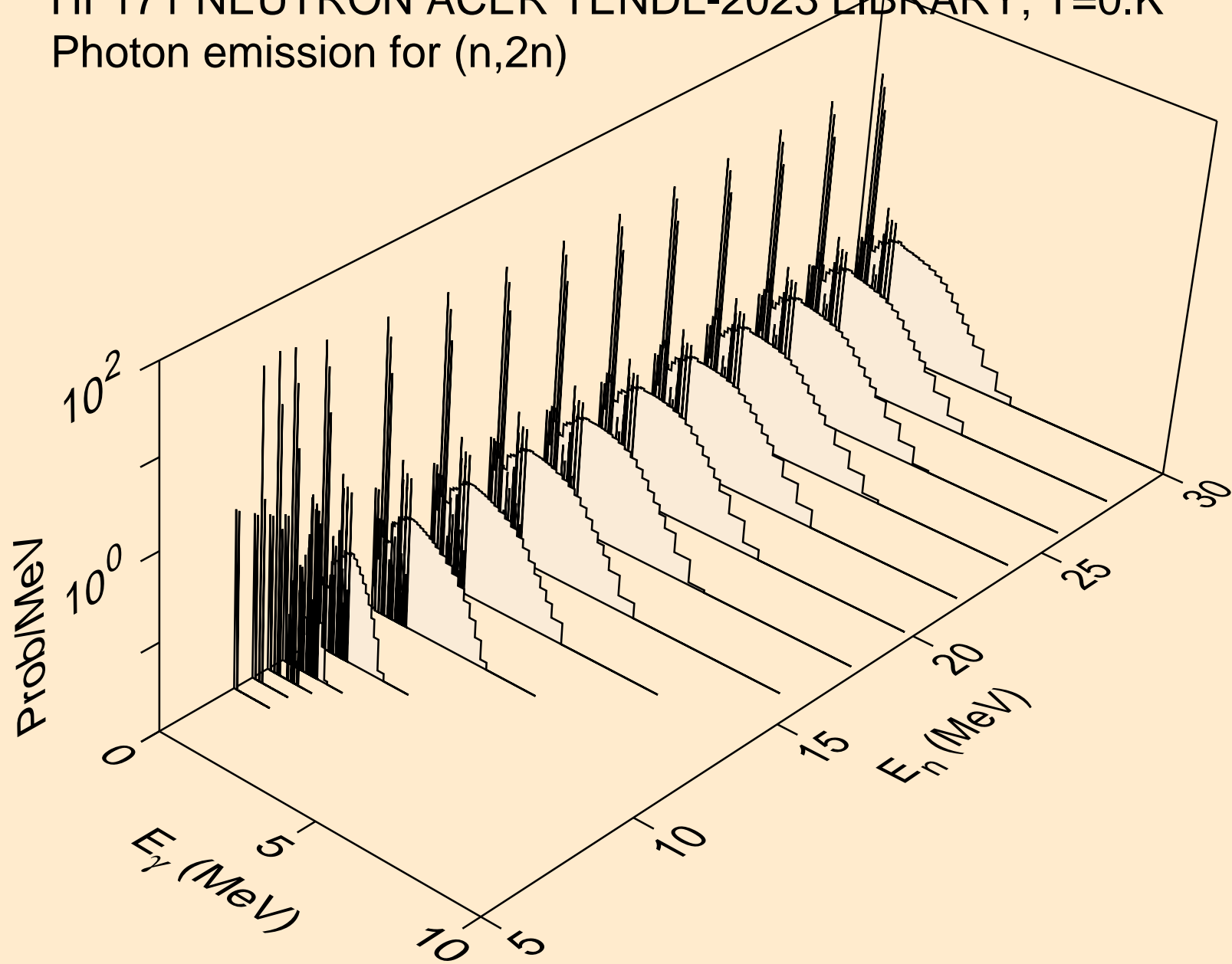
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

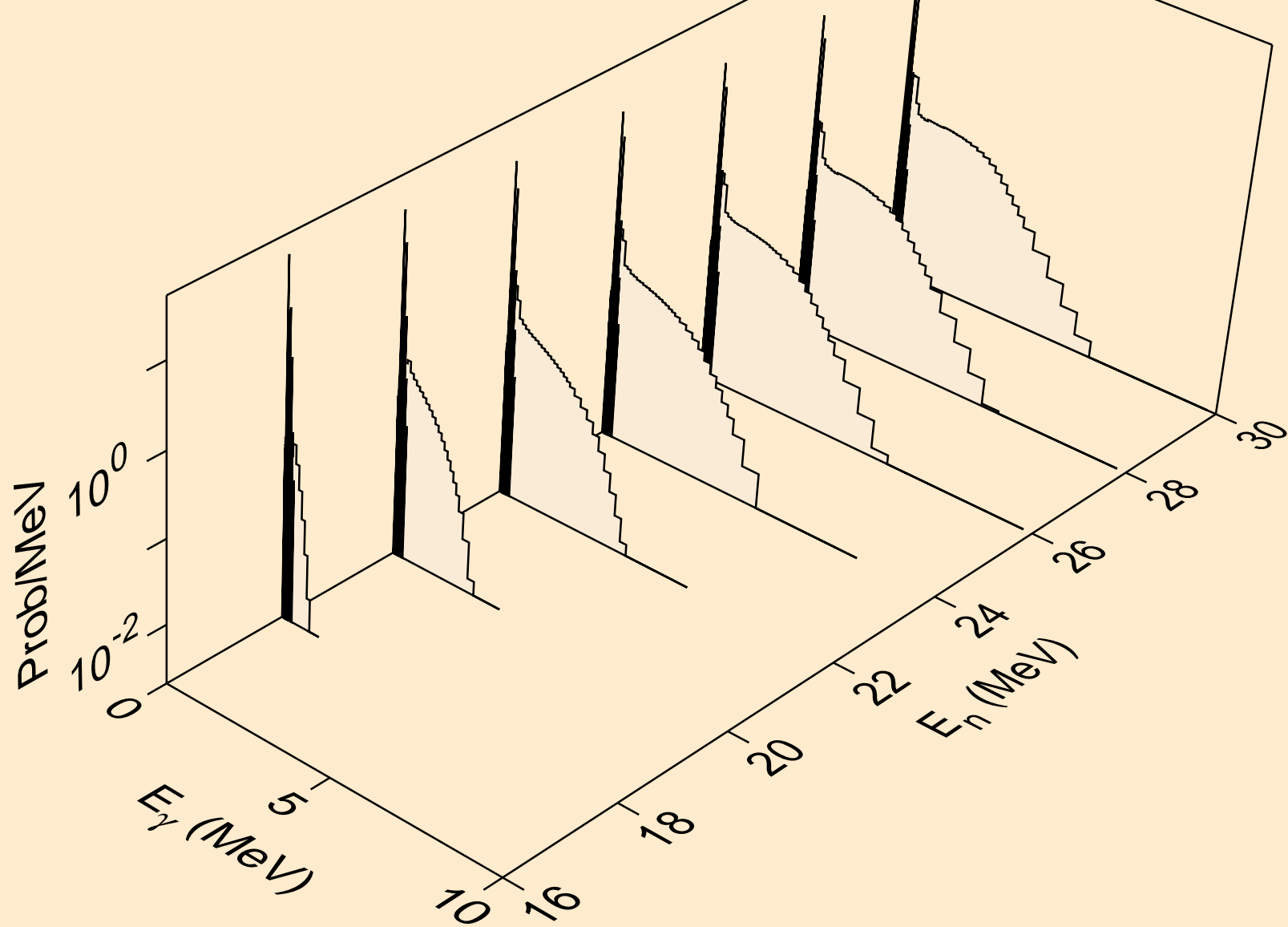


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

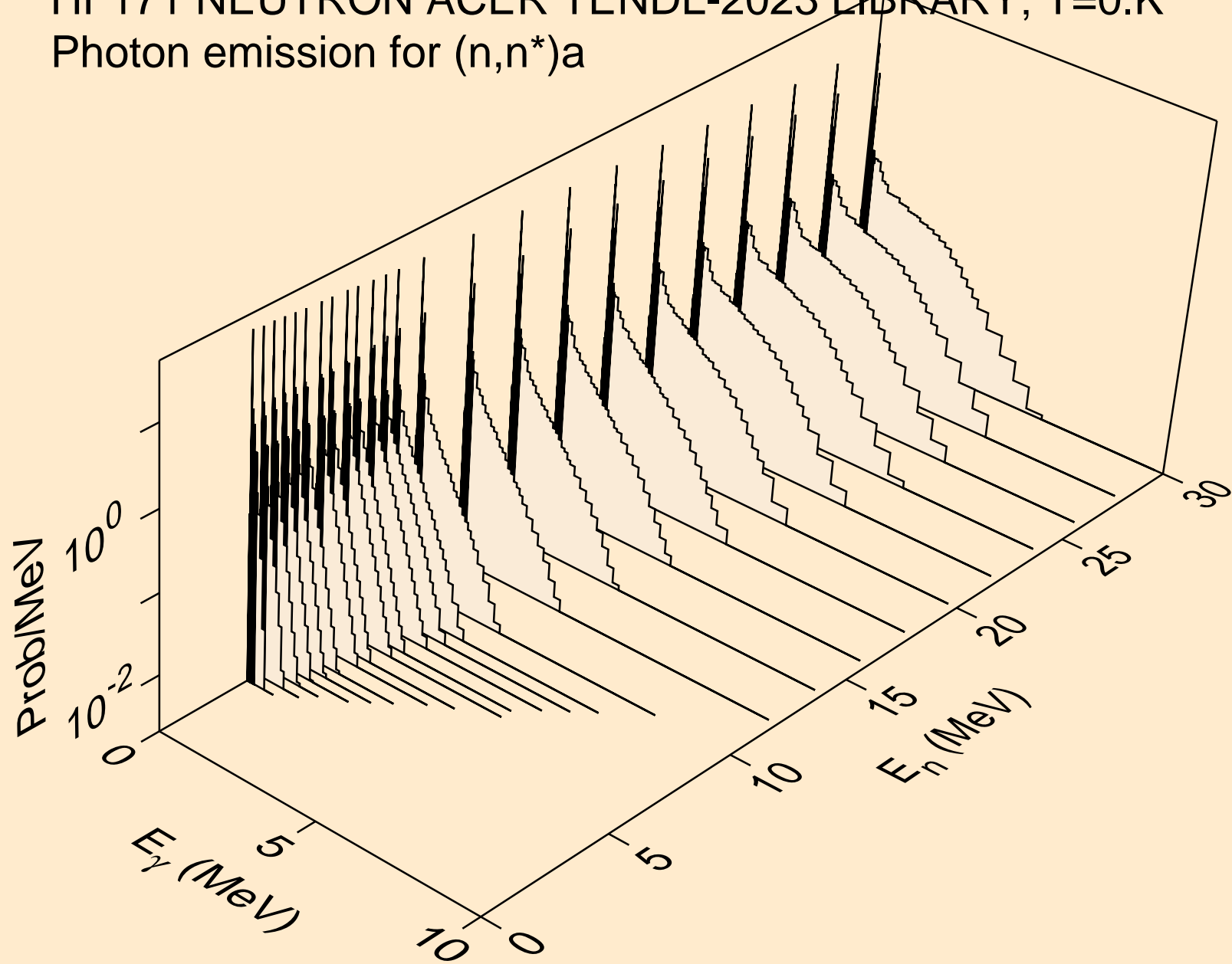




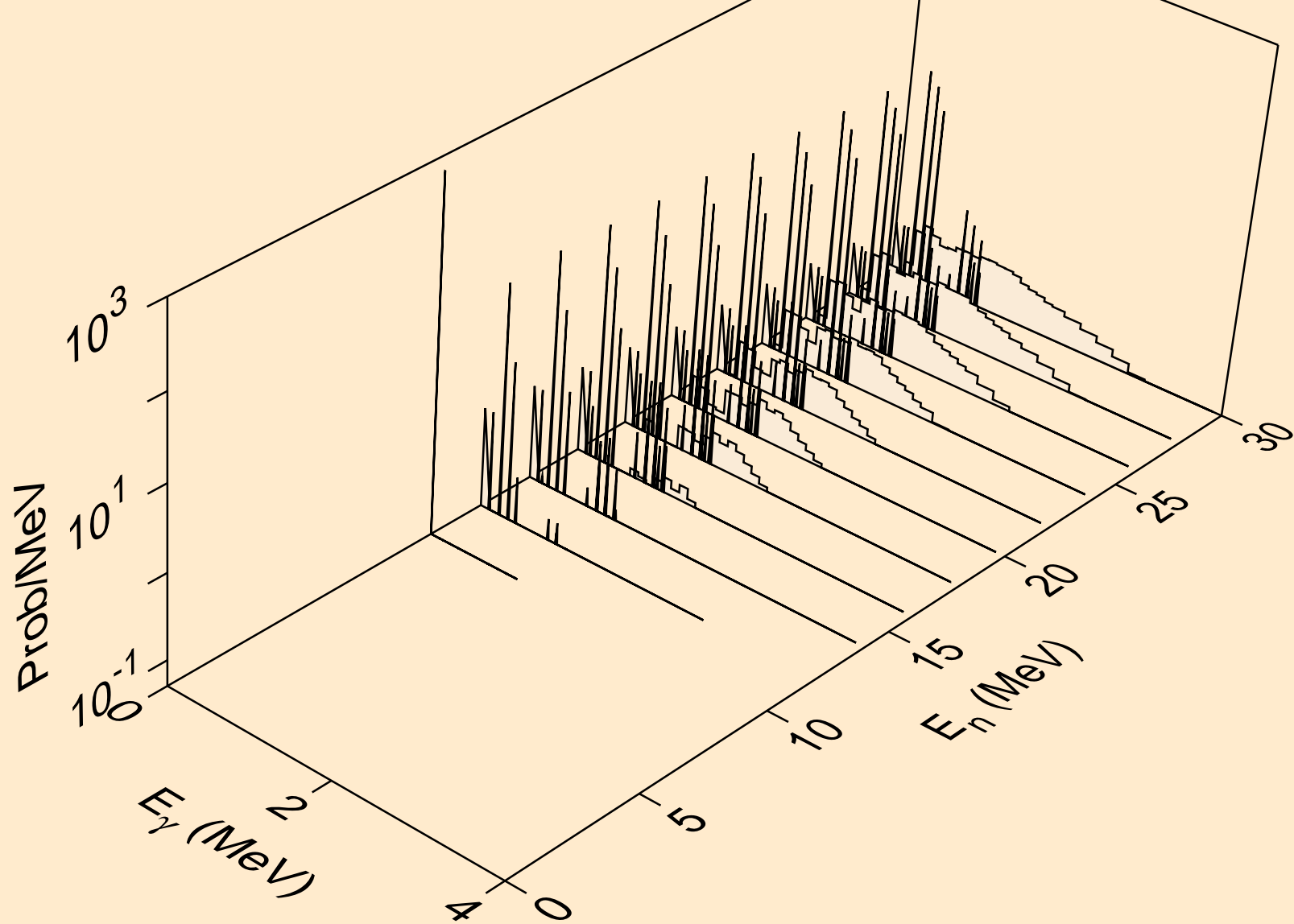
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Photon emission for (n,3n)



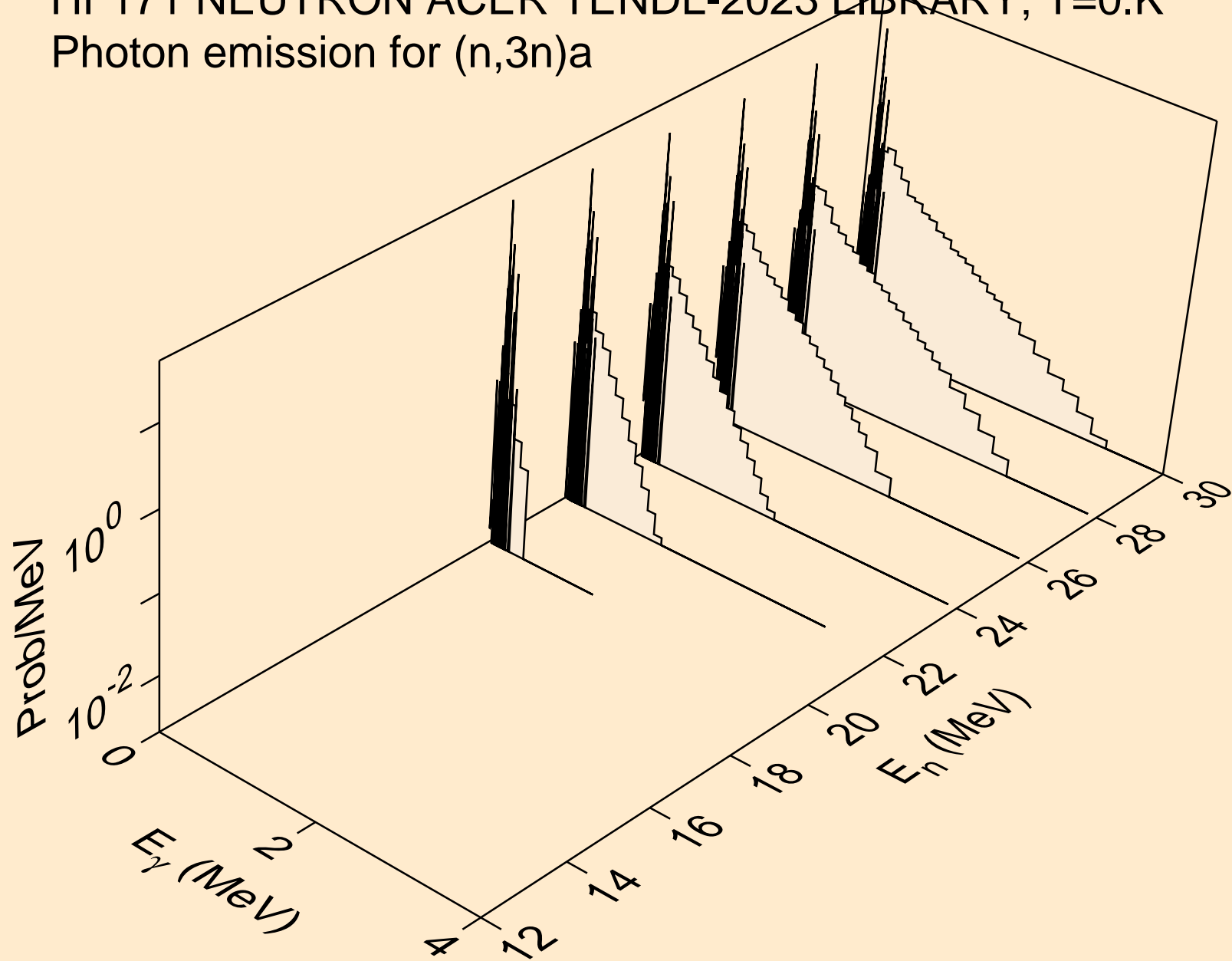
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



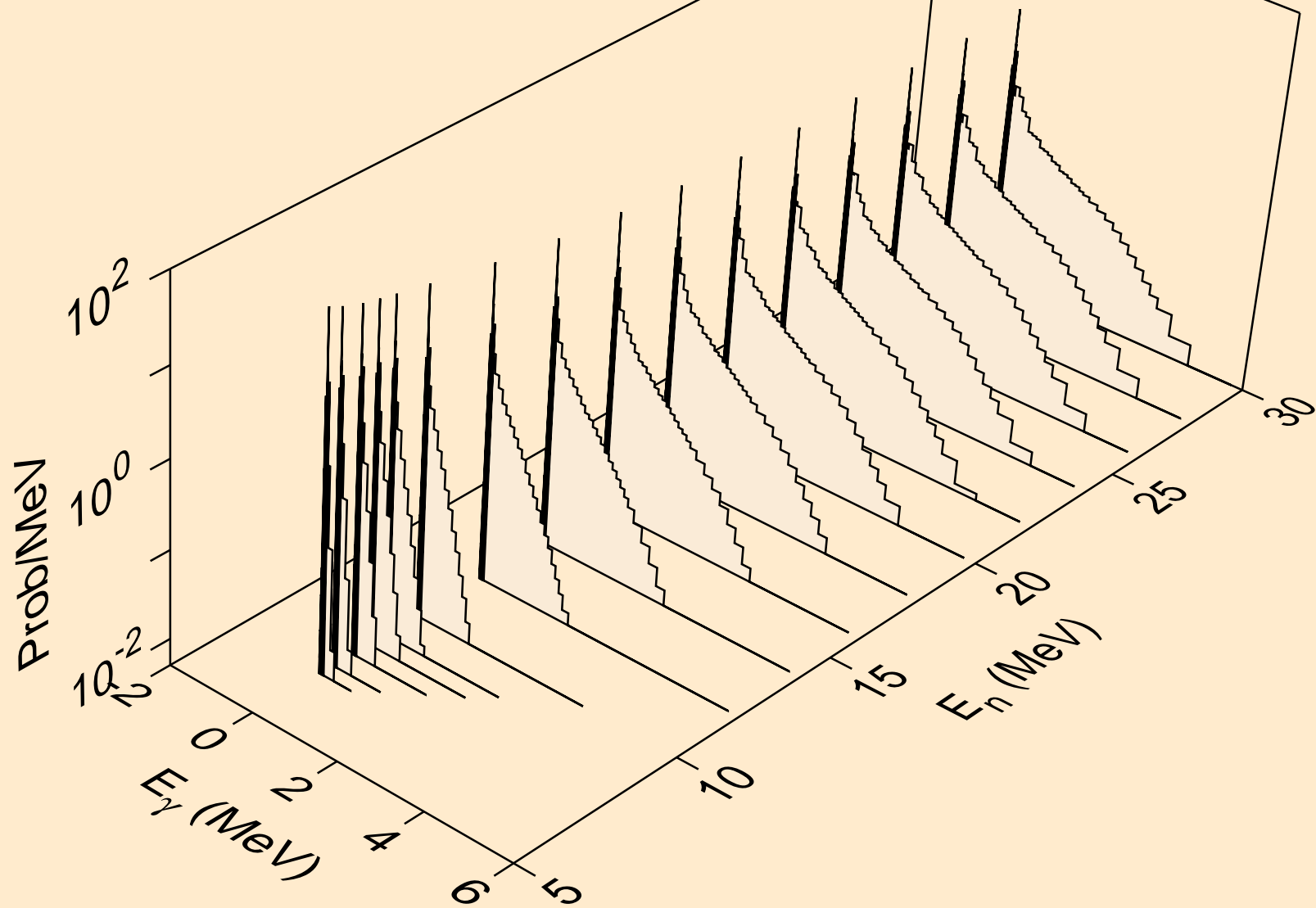
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Photon emission for (n,2n)a



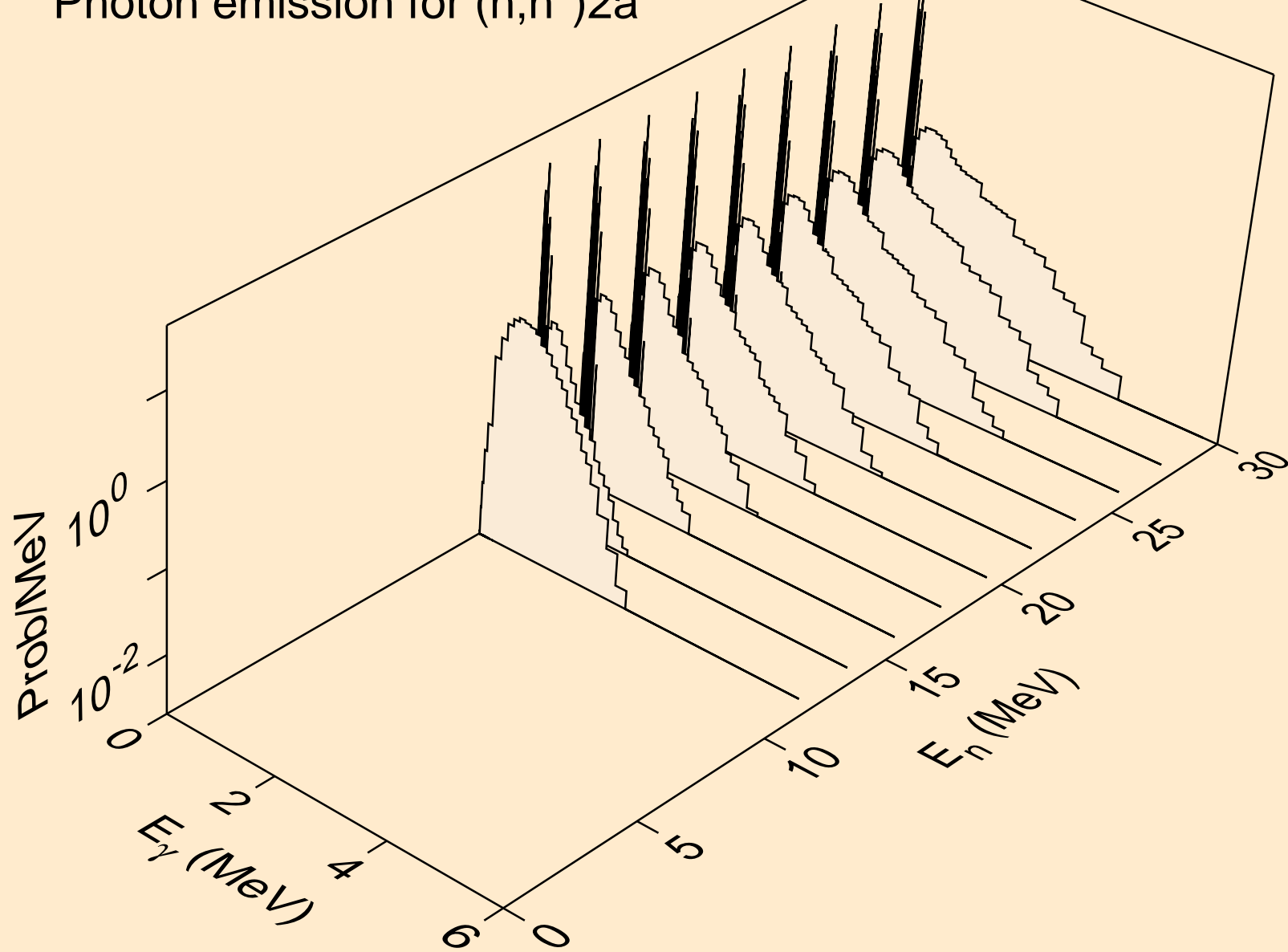
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Photon emission for (n,3n)a



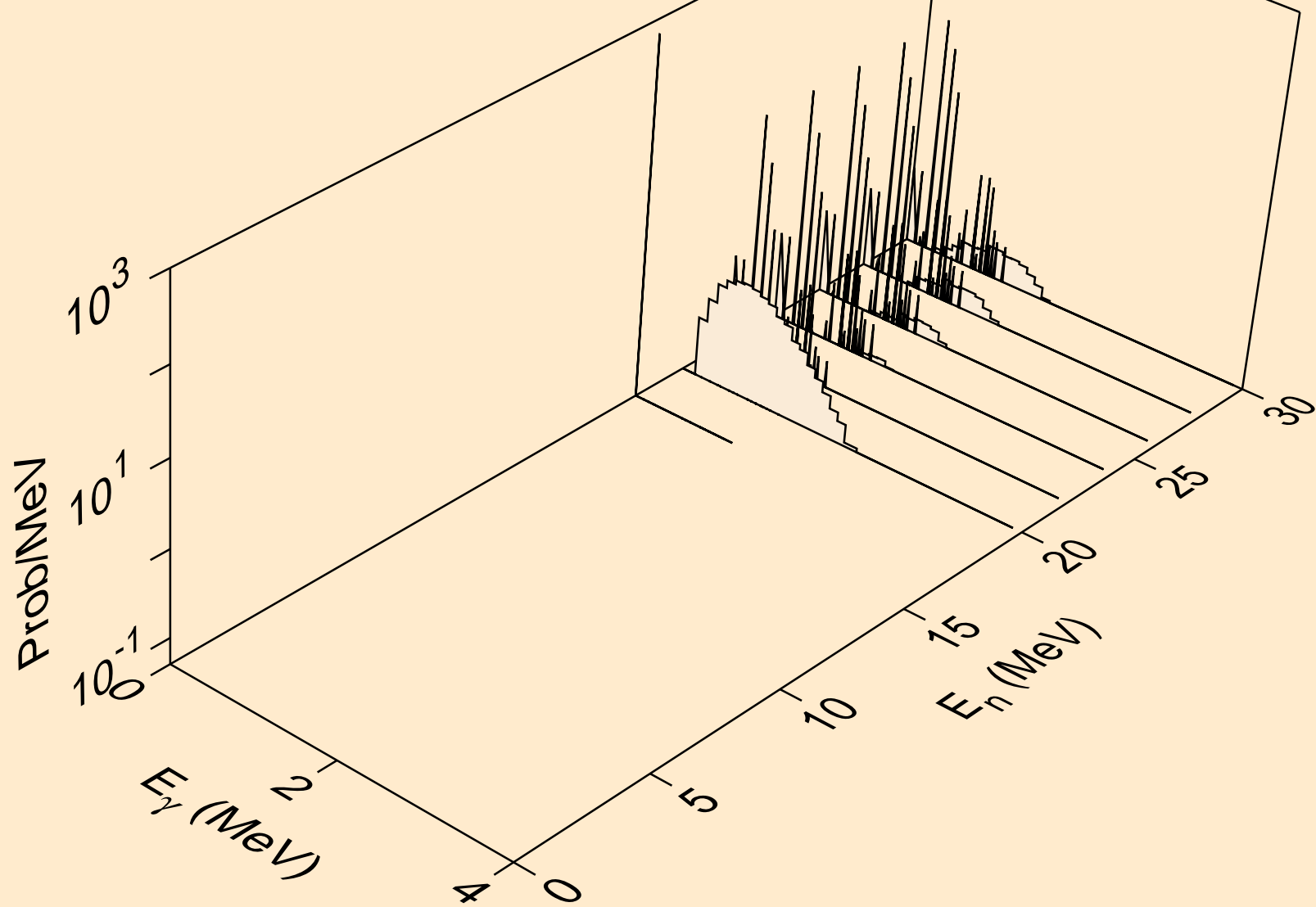
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



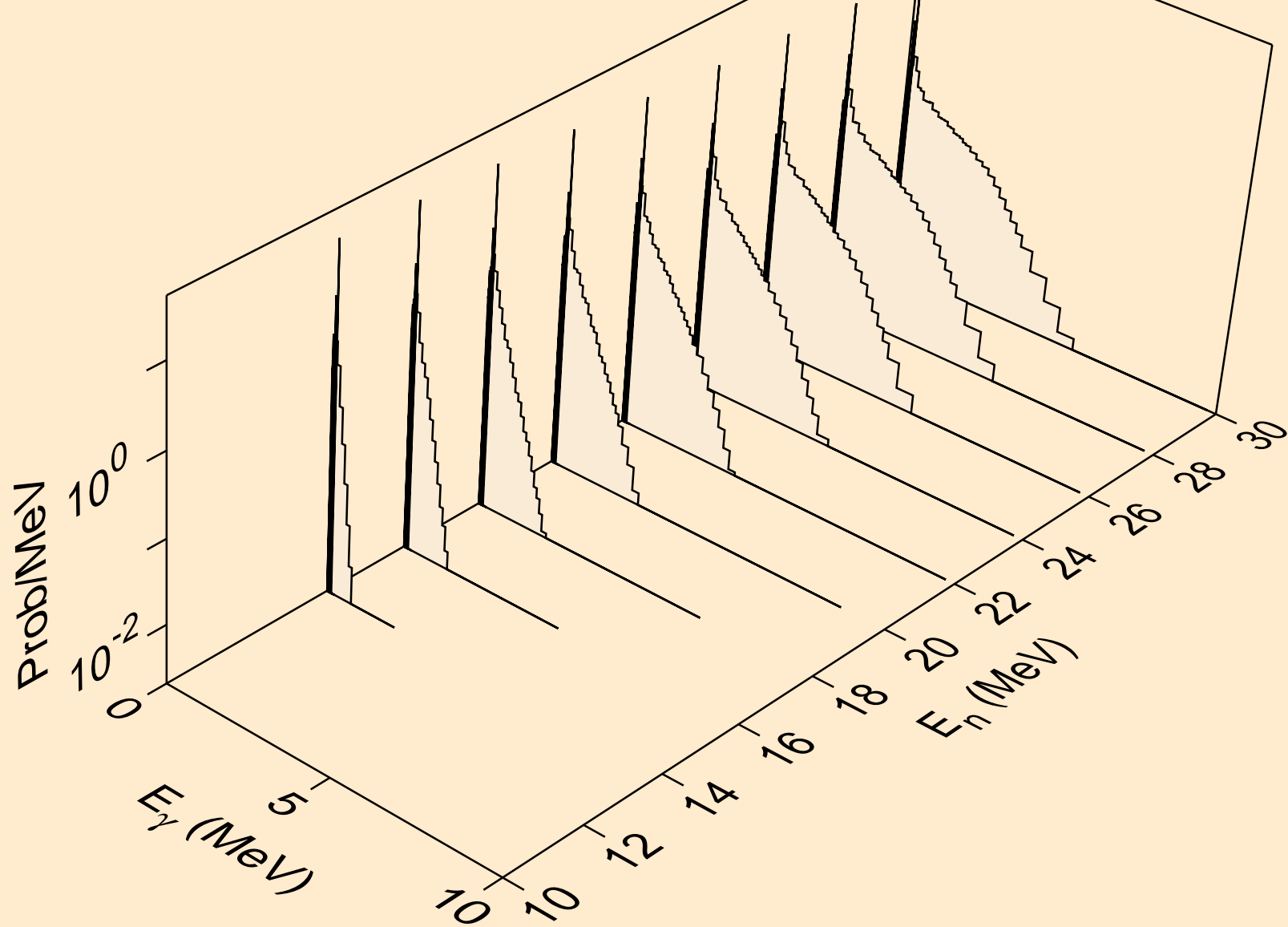
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

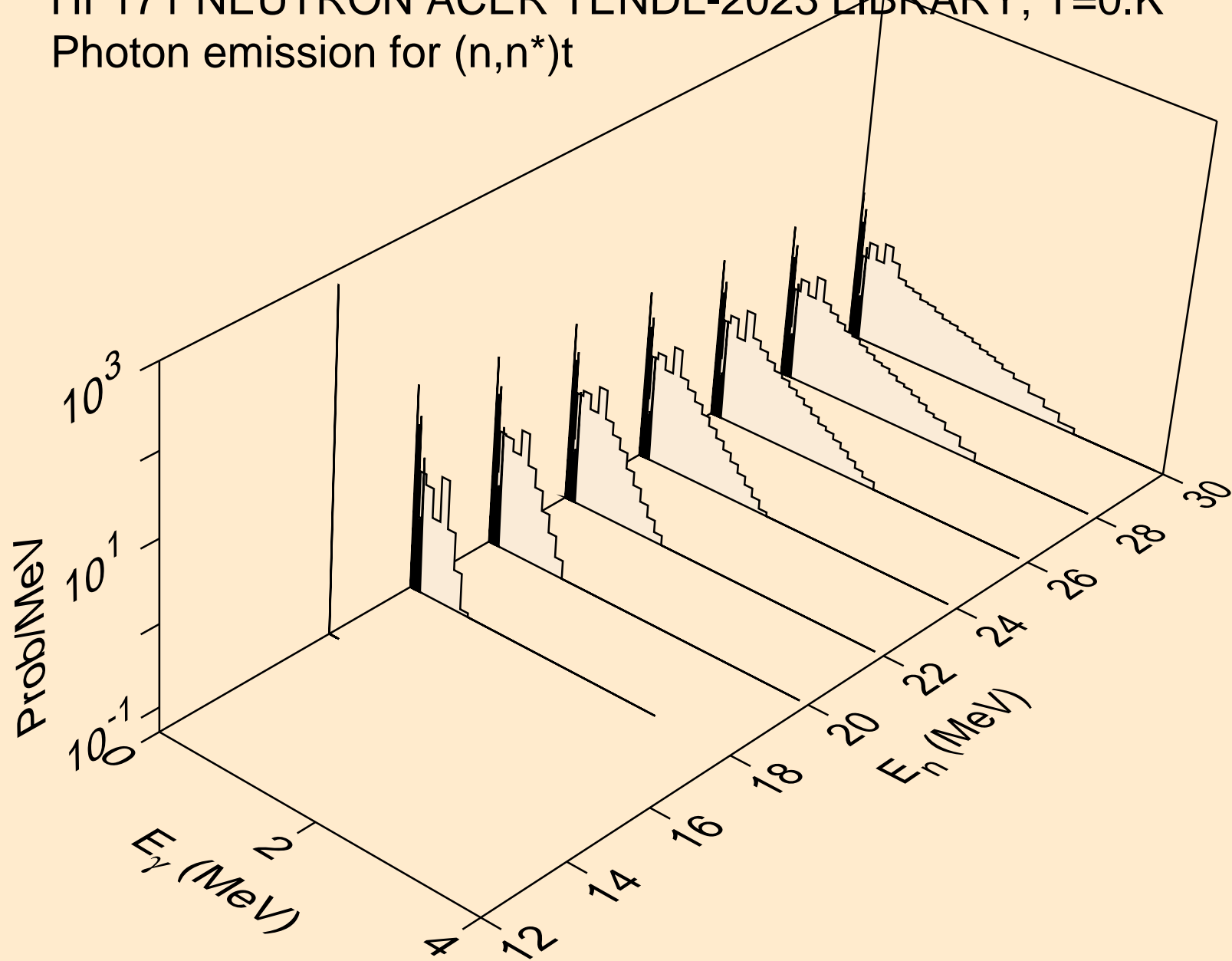


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

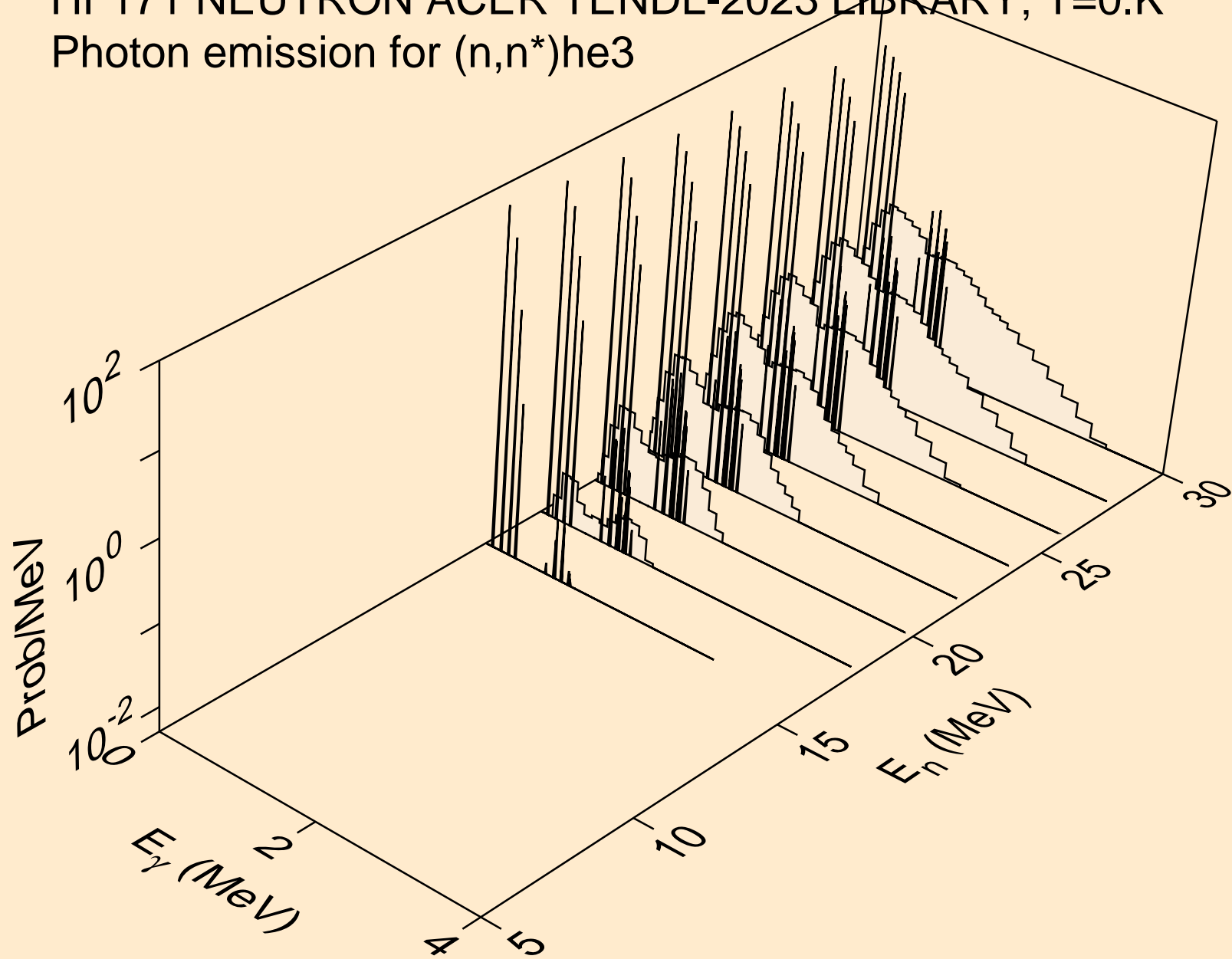




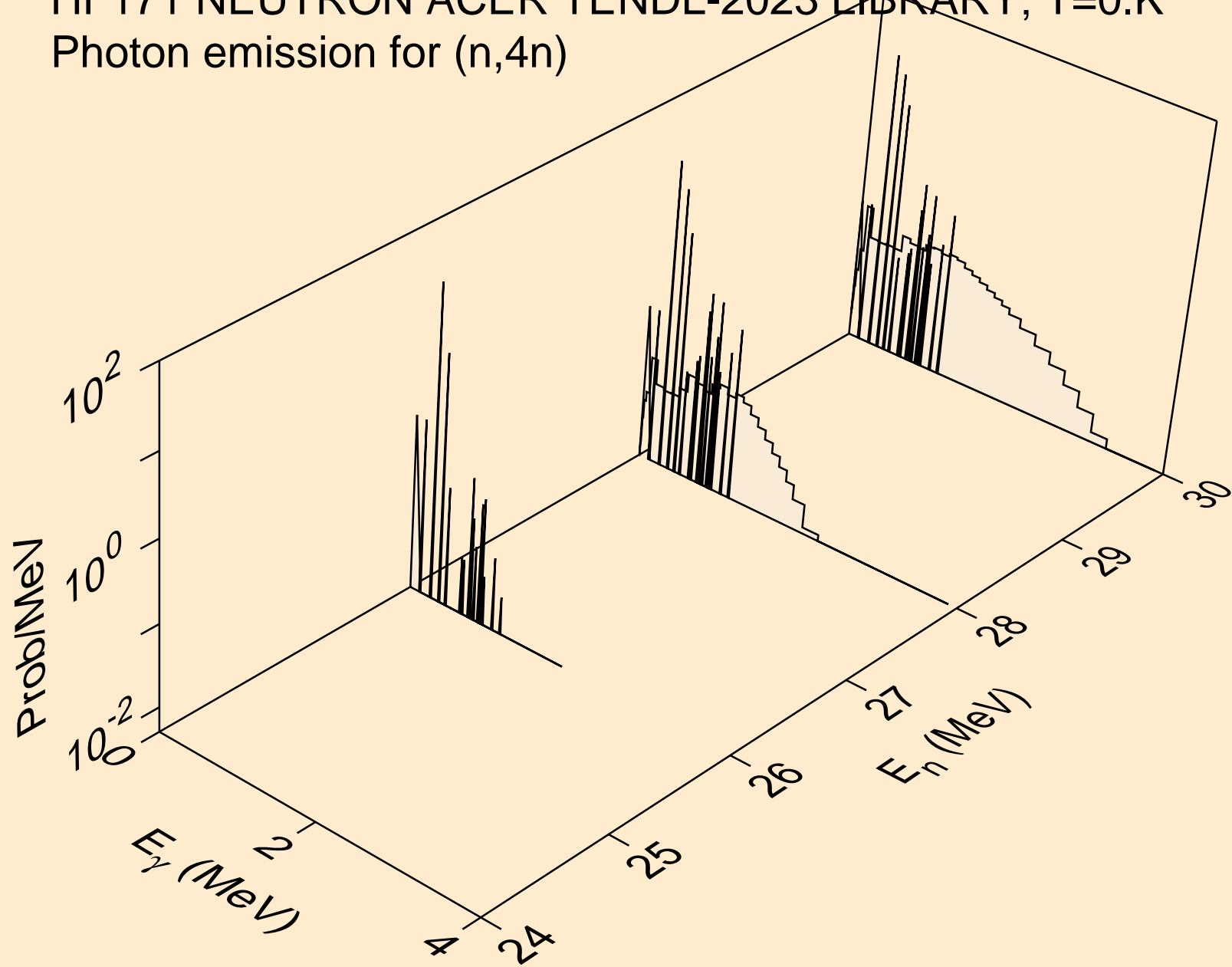
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



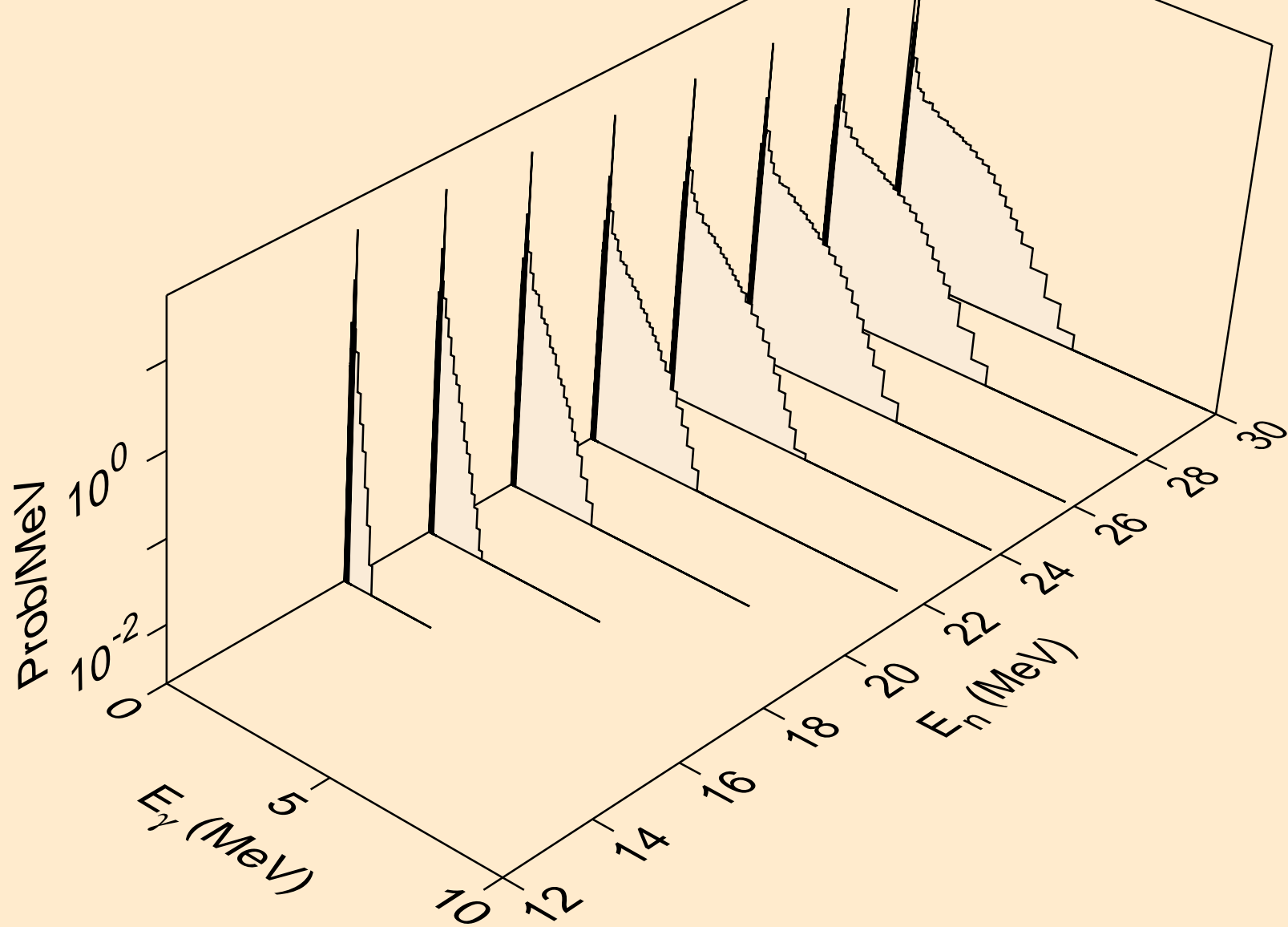
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



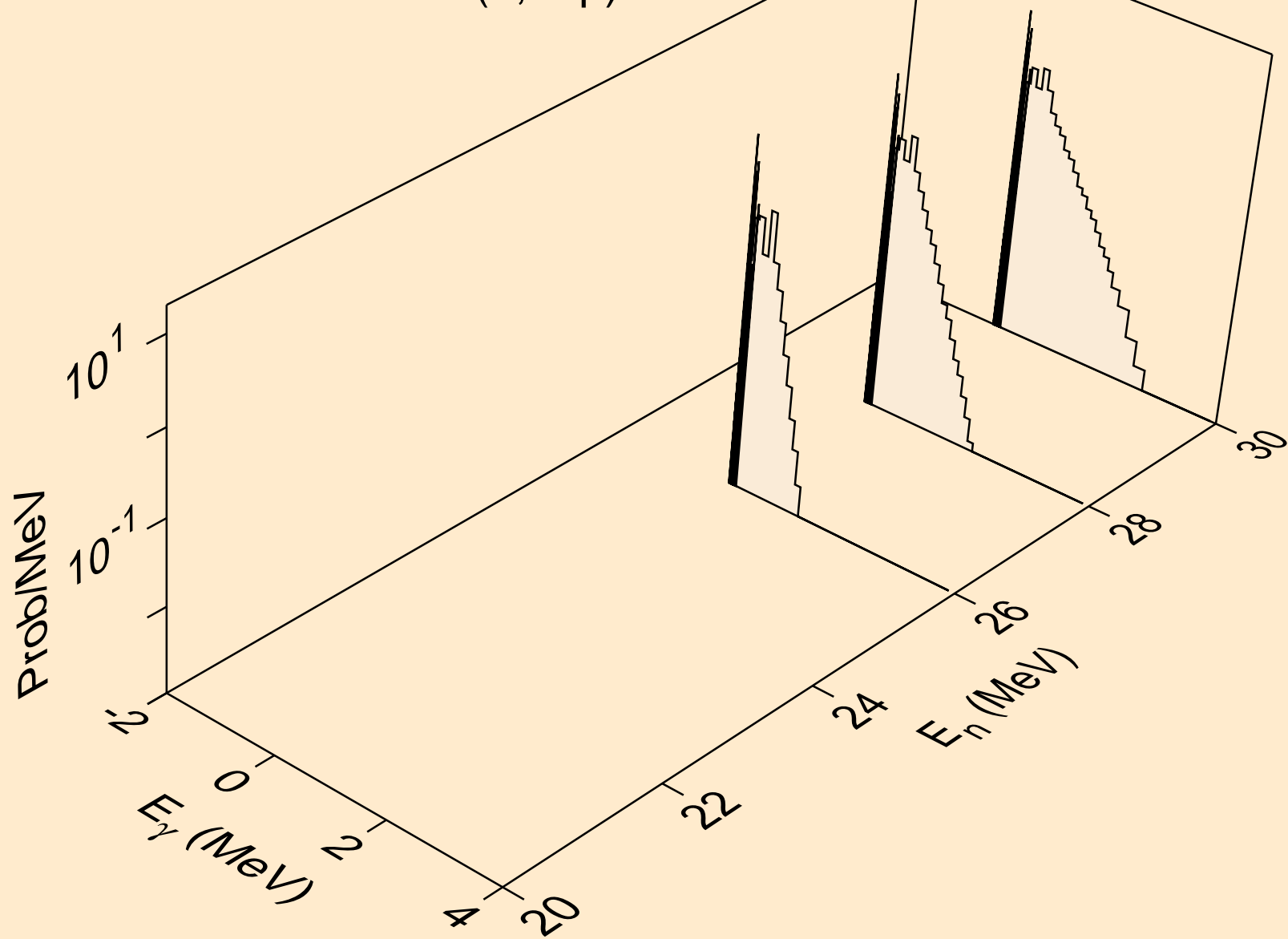
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Photon emission for (n,4n)



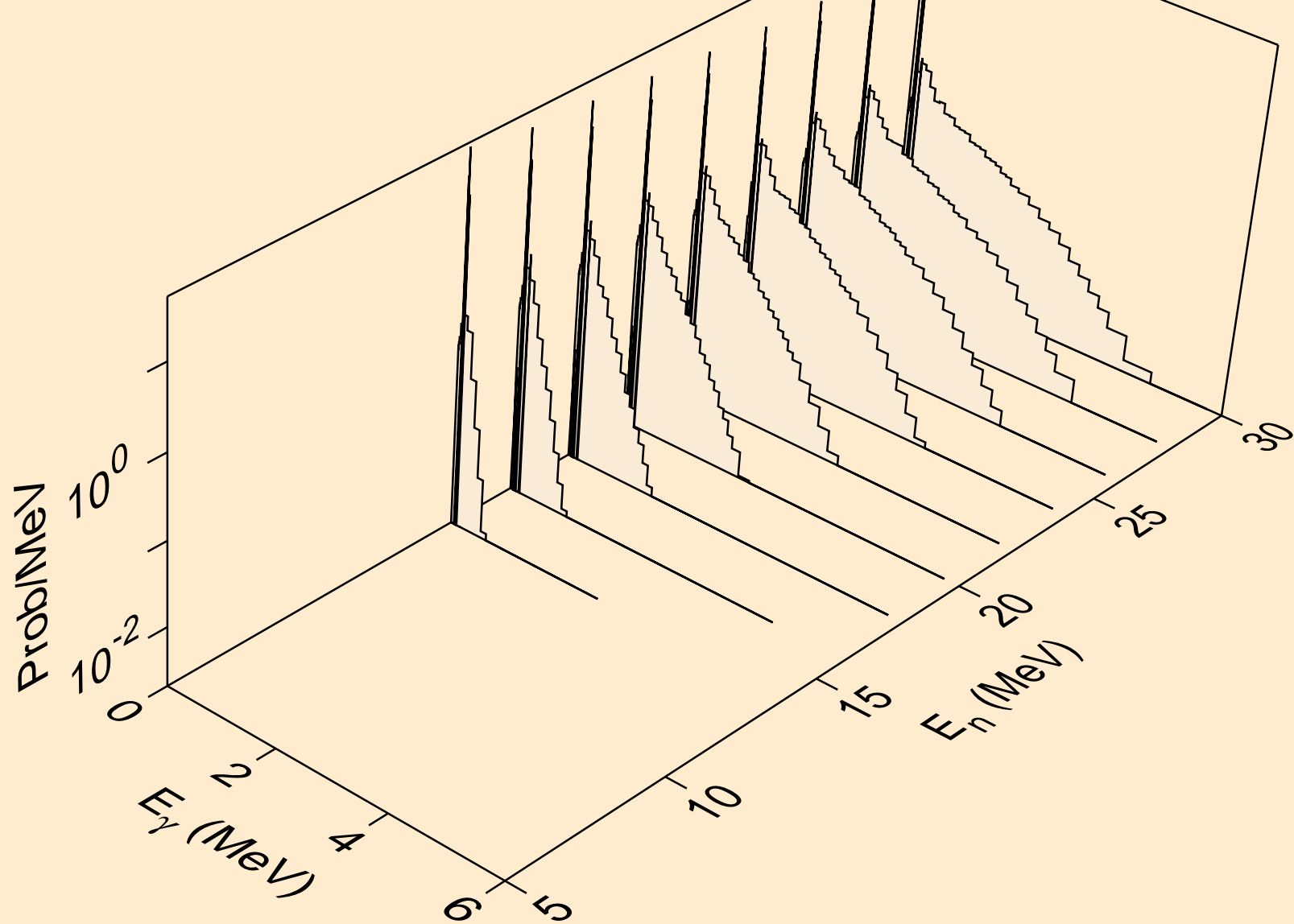
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



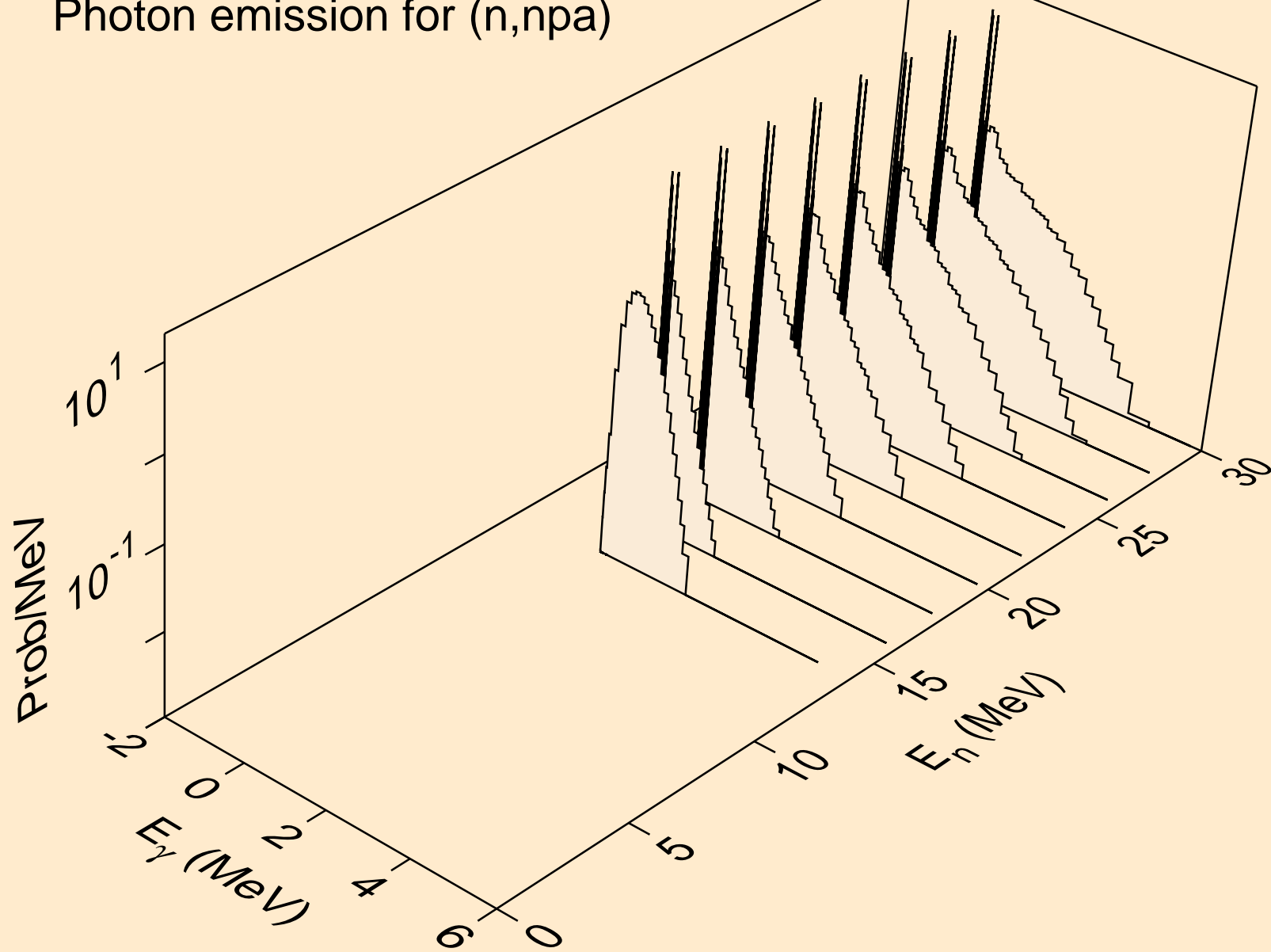
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Photon emission for (n,3np)



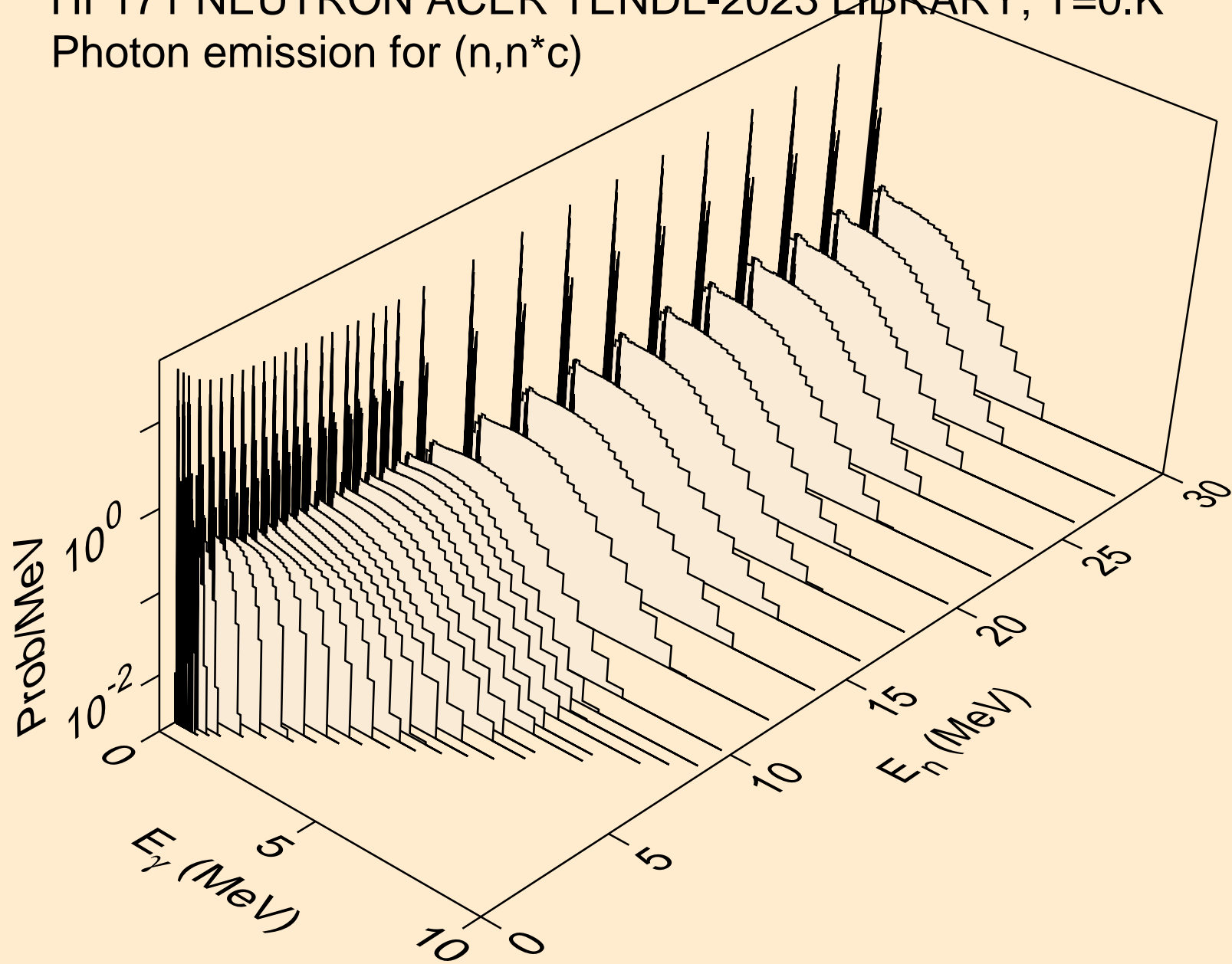
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

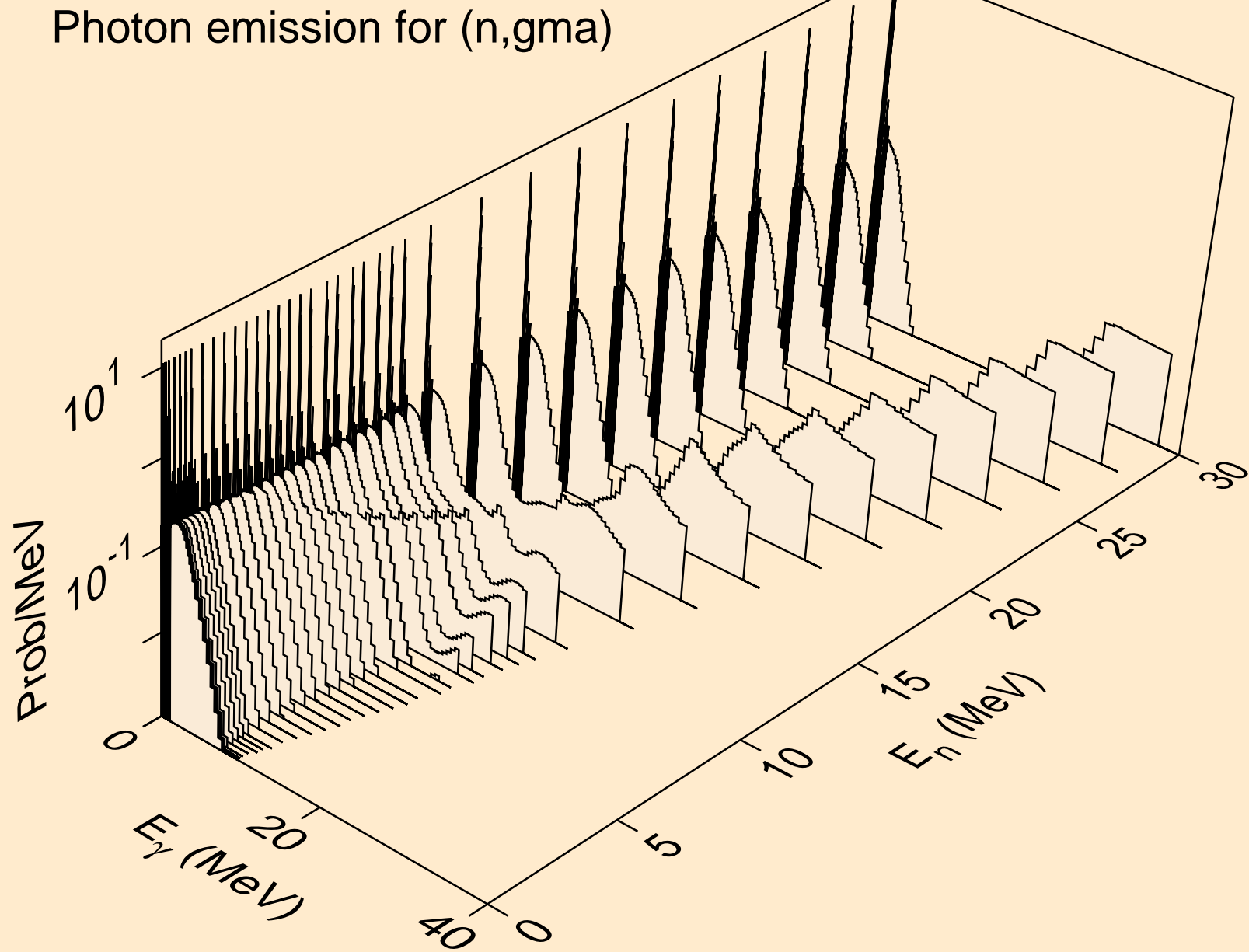


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

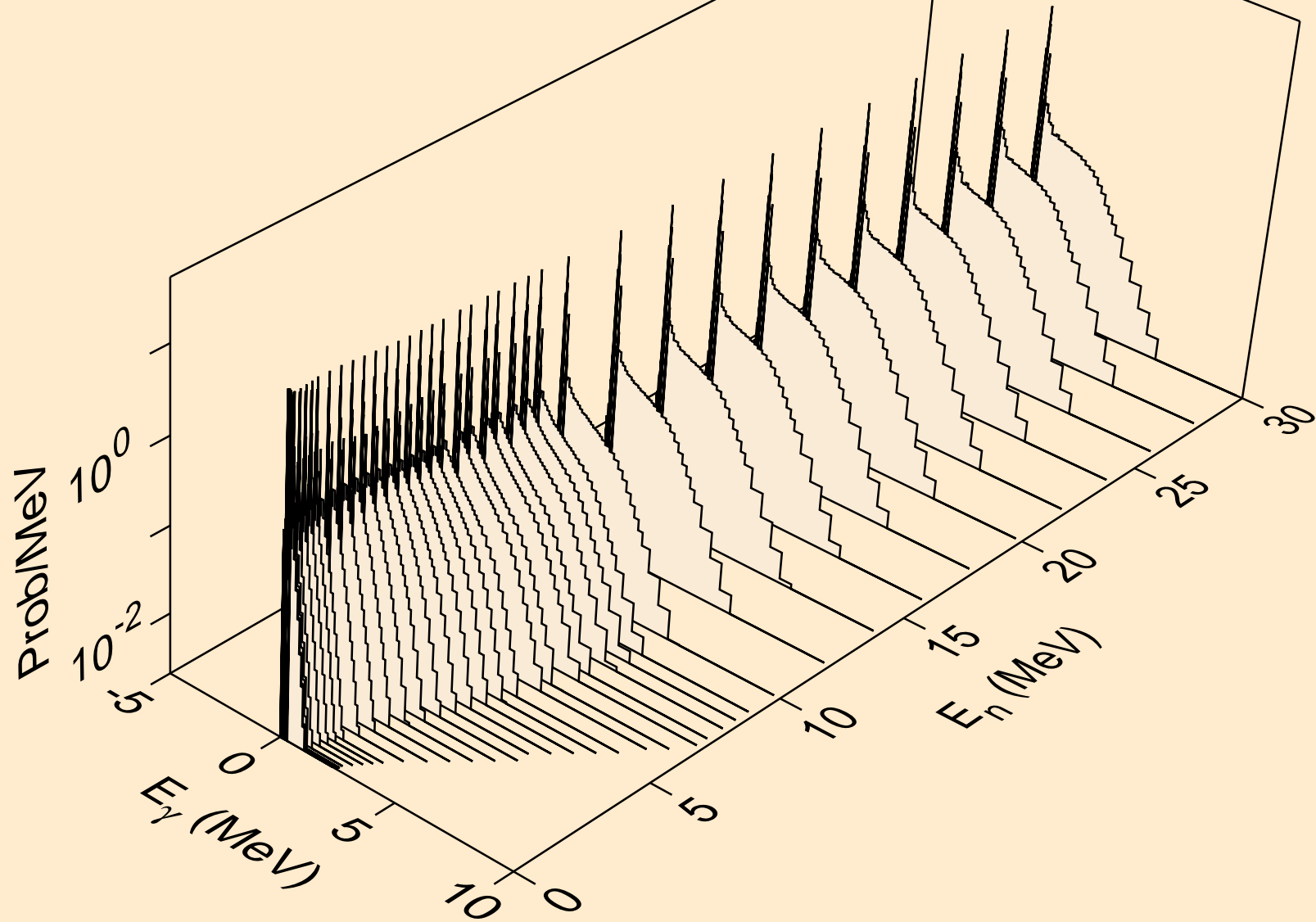




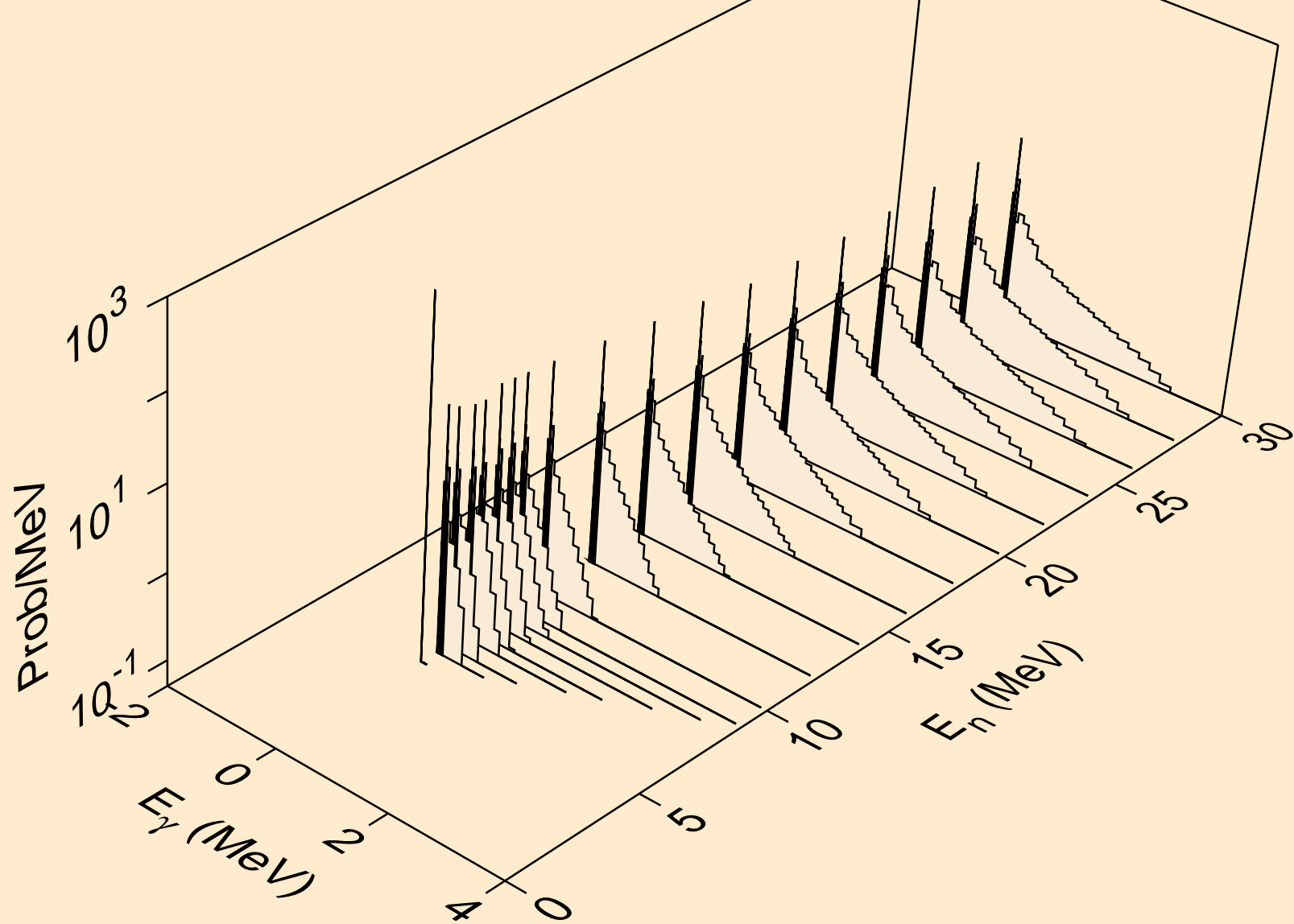
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Photon emission for (n,gma)



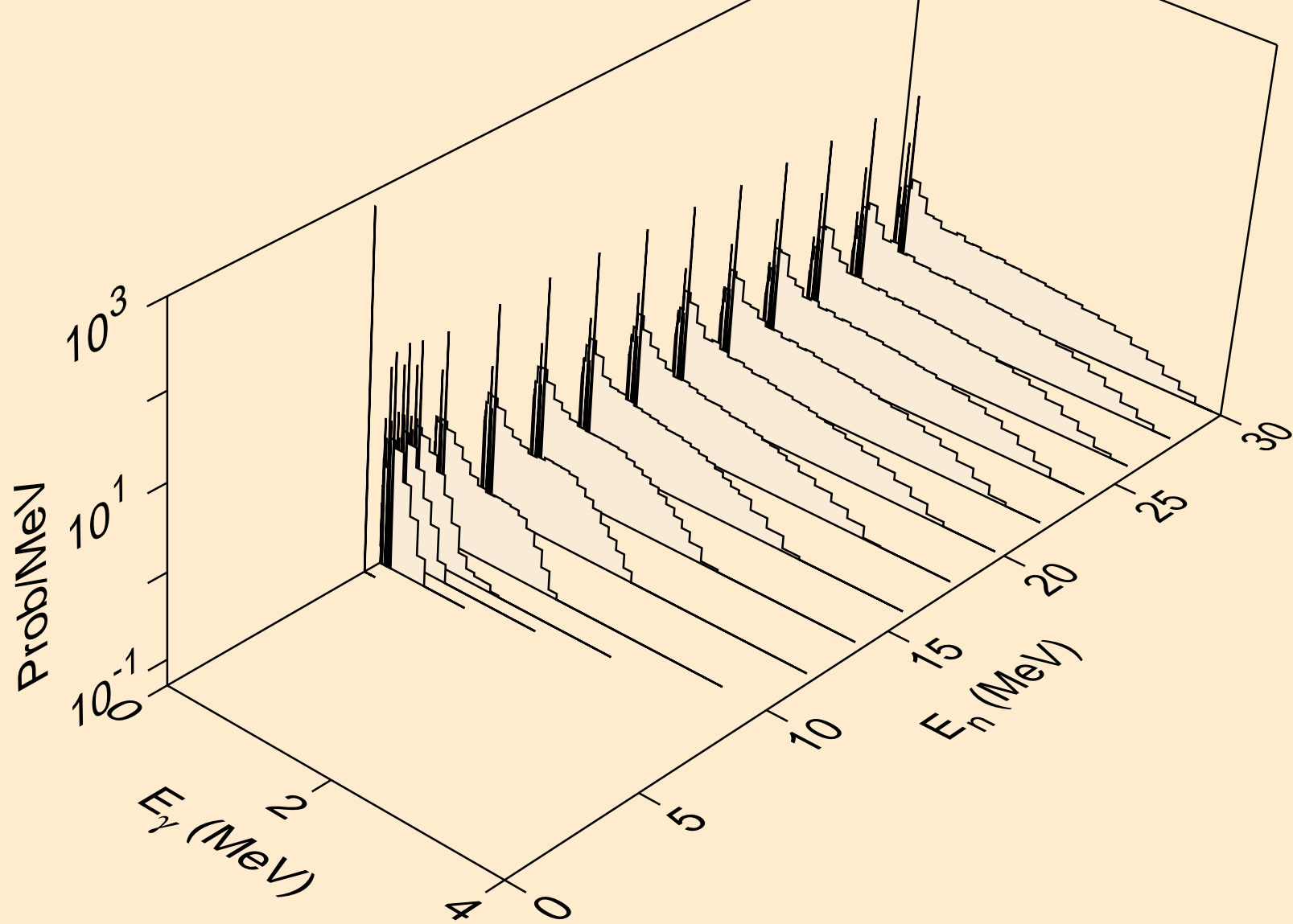
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Photon emission for (n,p)



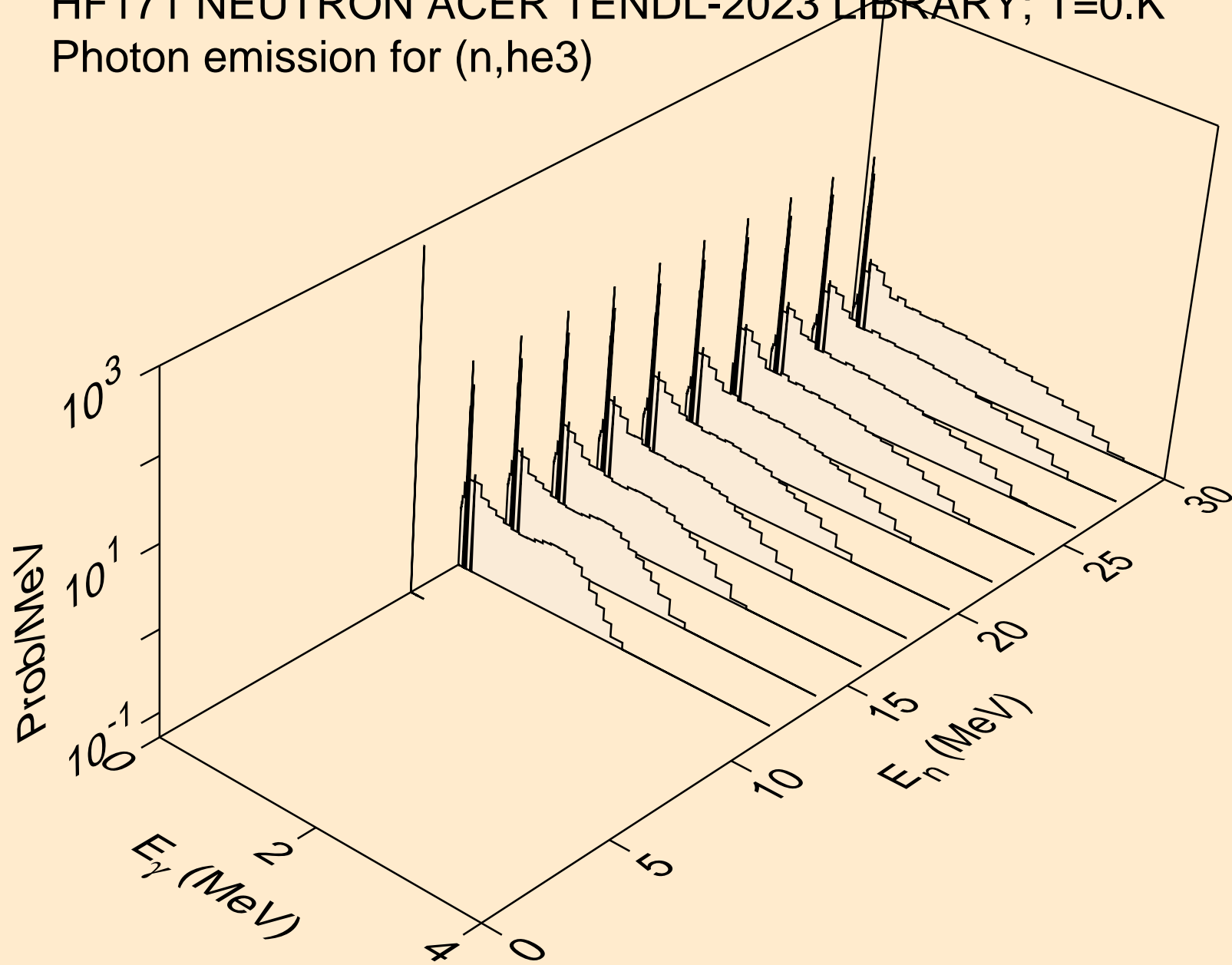
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Photon emission for (n,d)



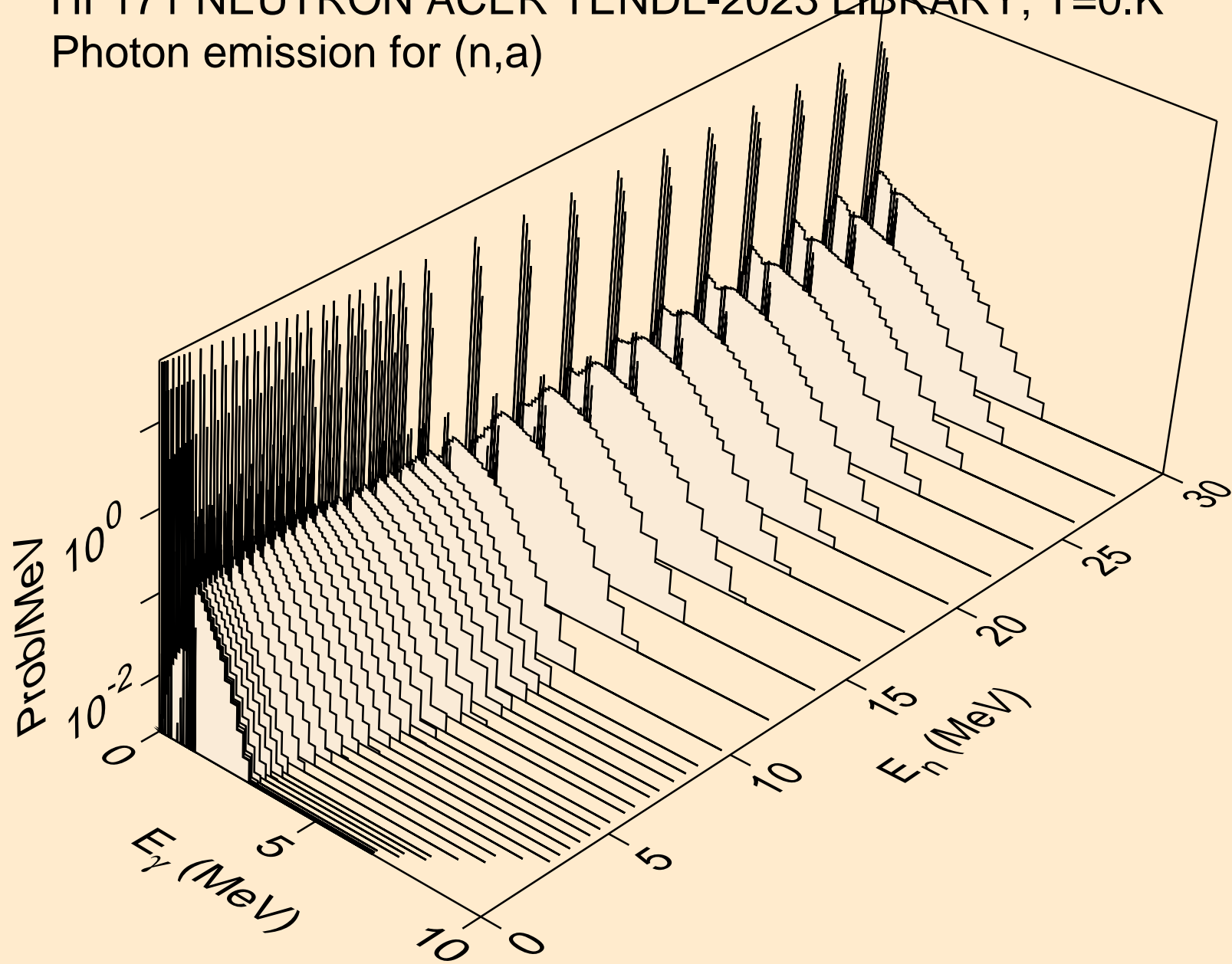
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Photon emission for (n,t)



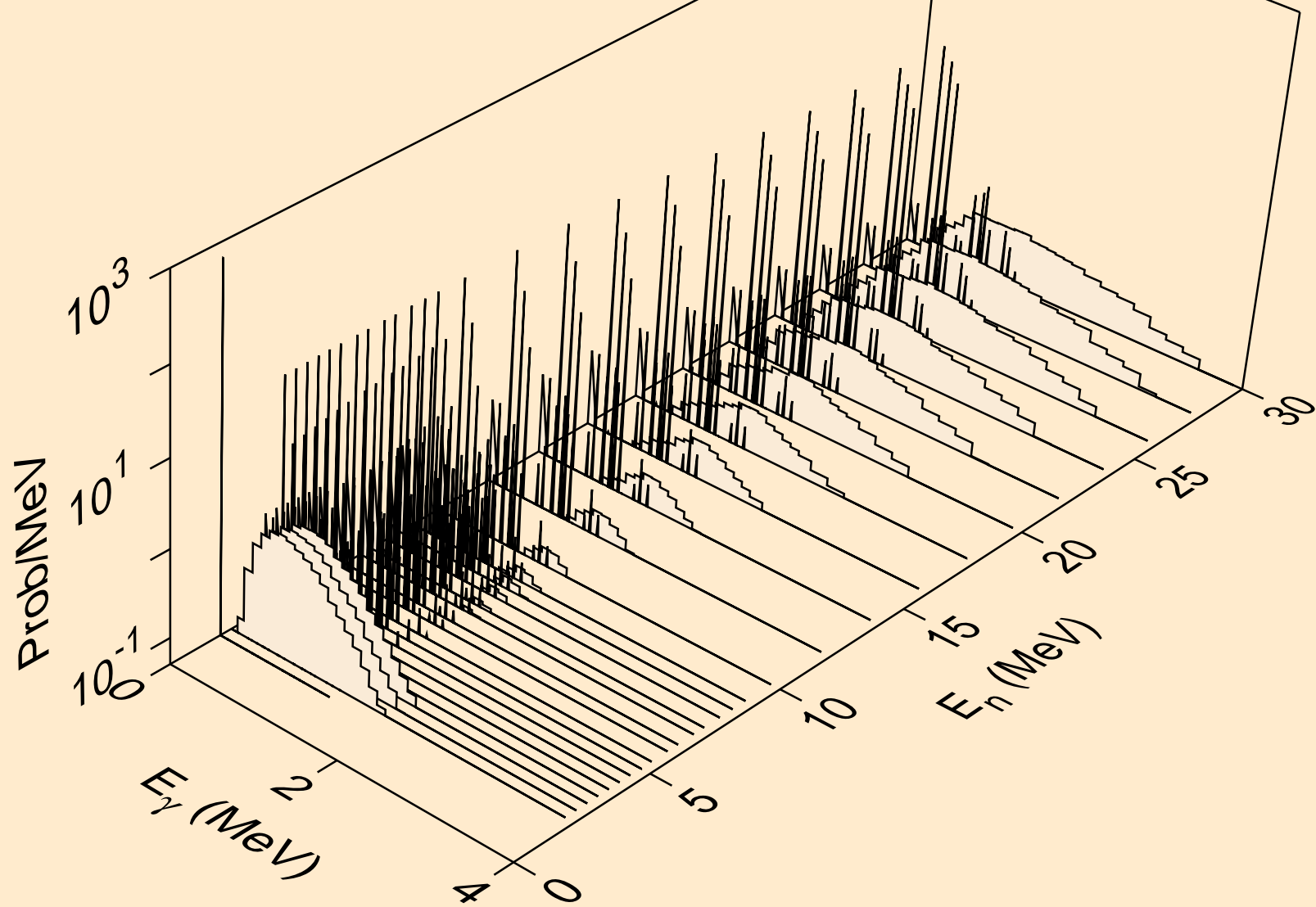
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Photon emission for (n,he3)



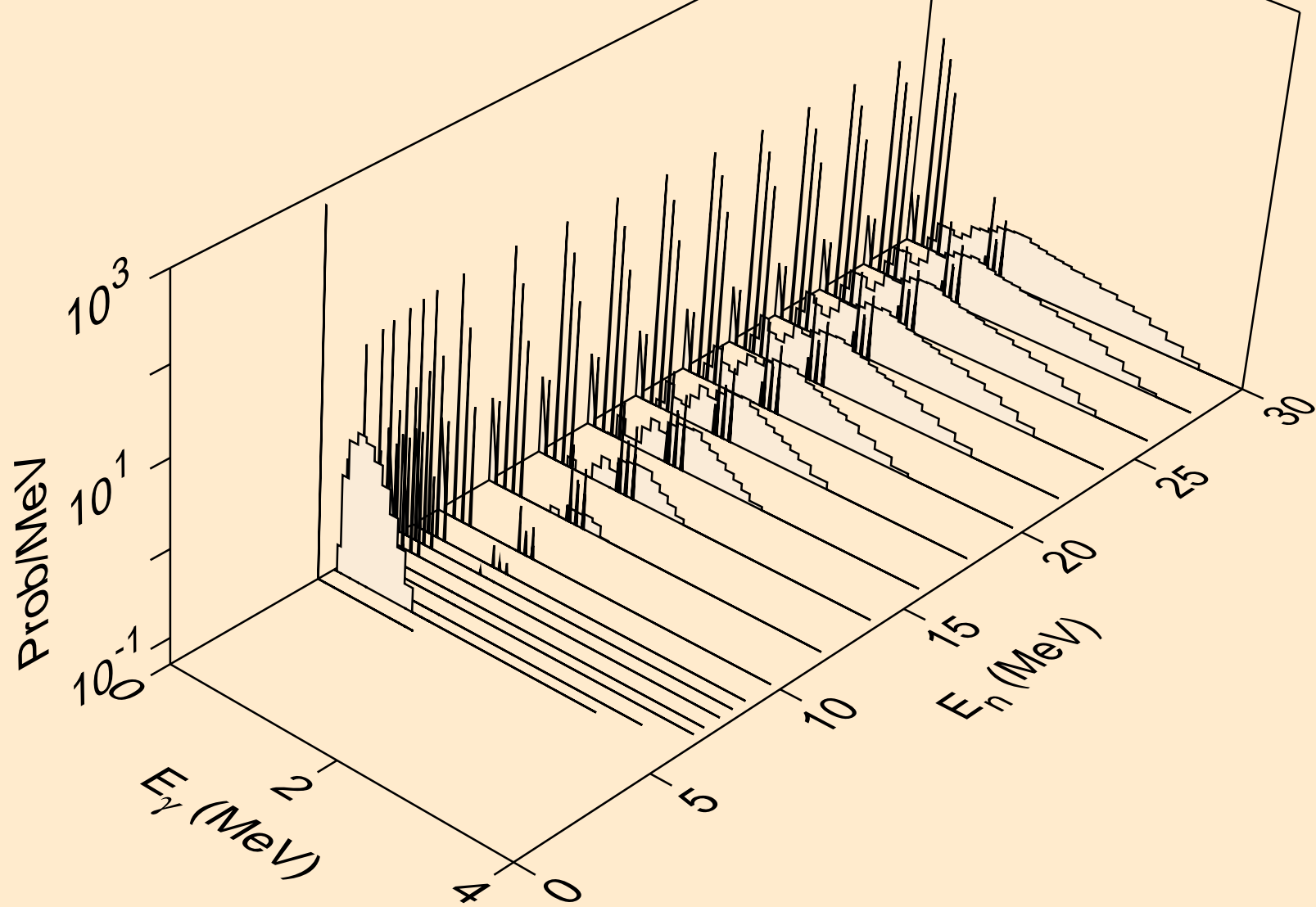
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

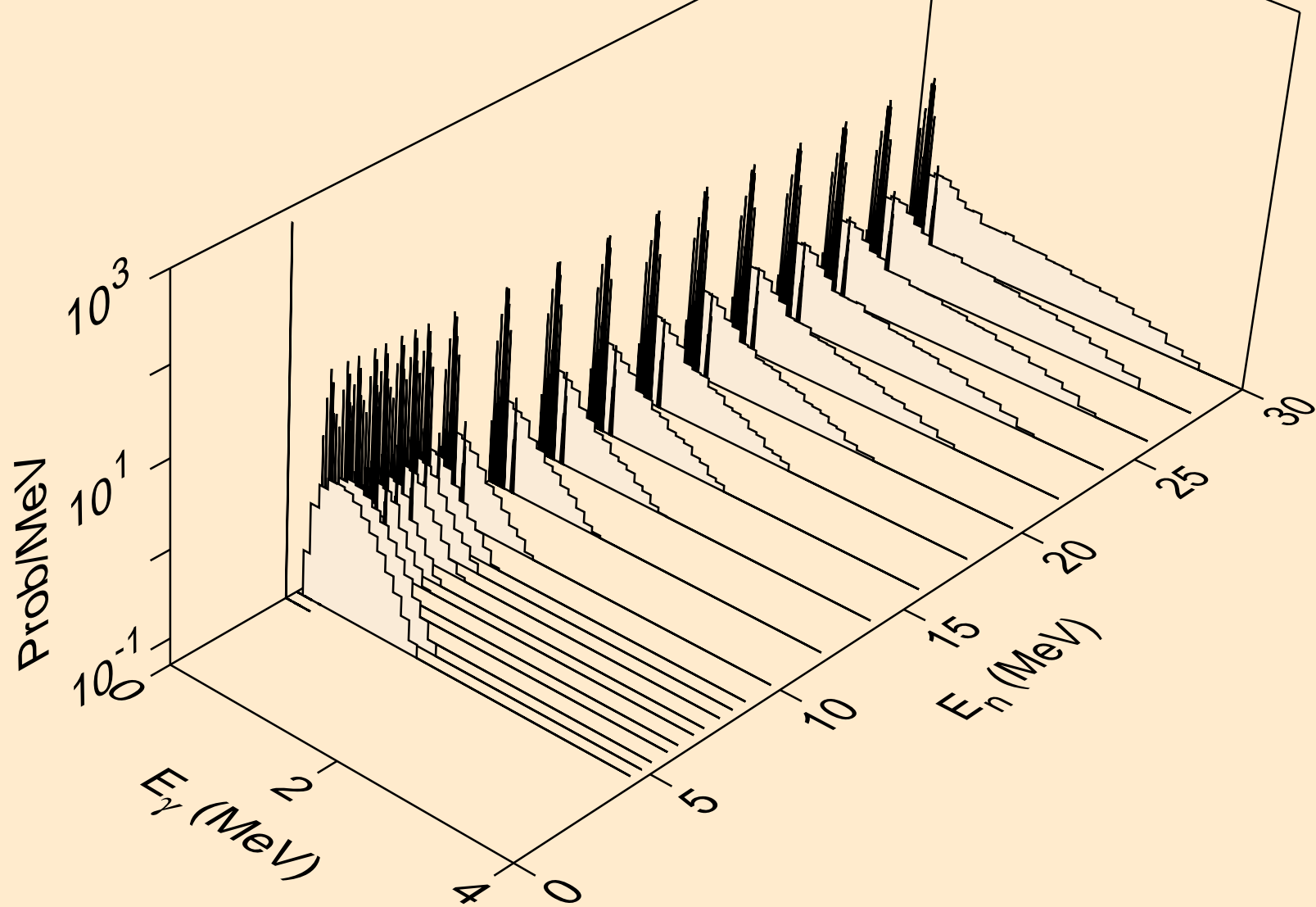


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Photon emission for (n,2p)

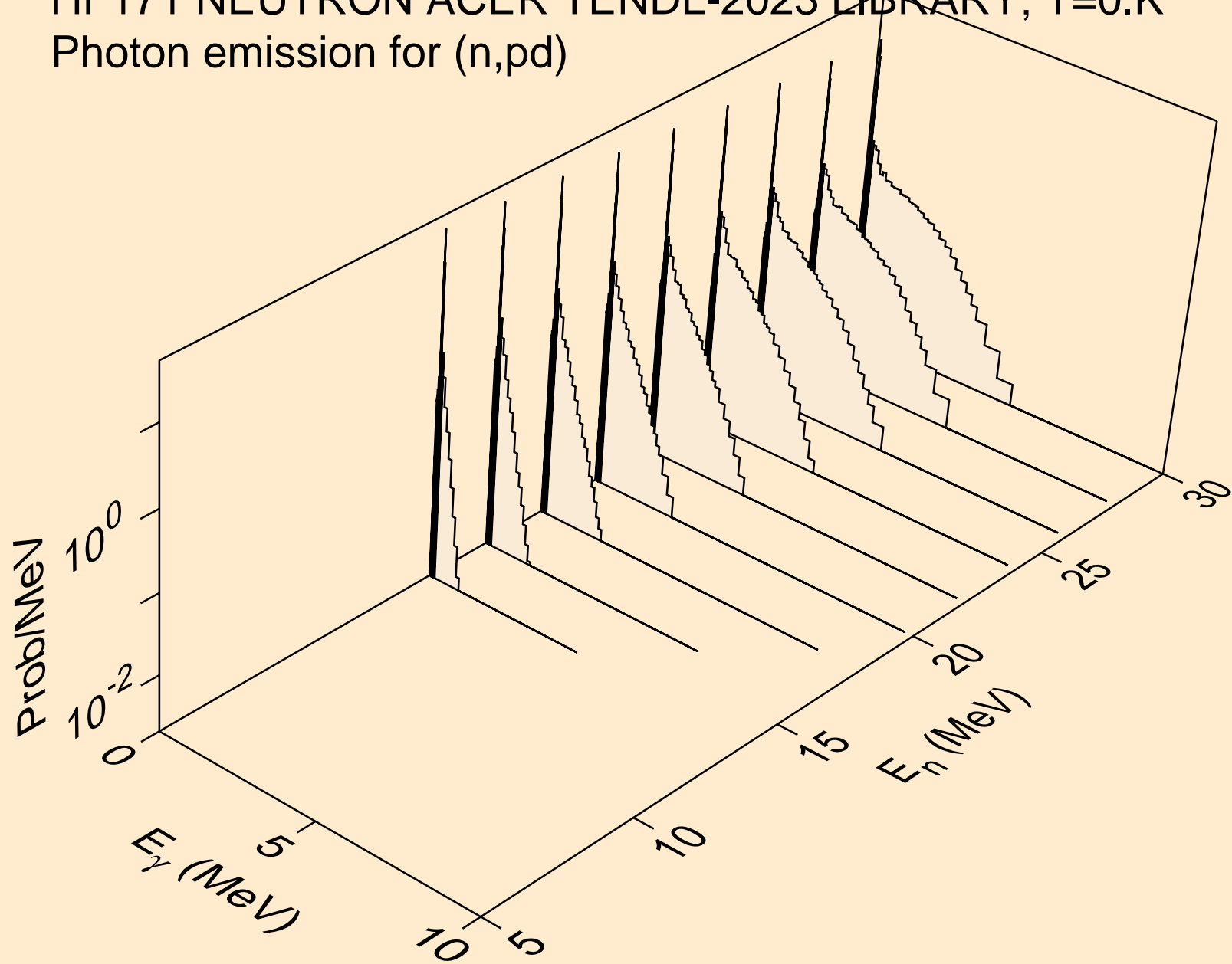




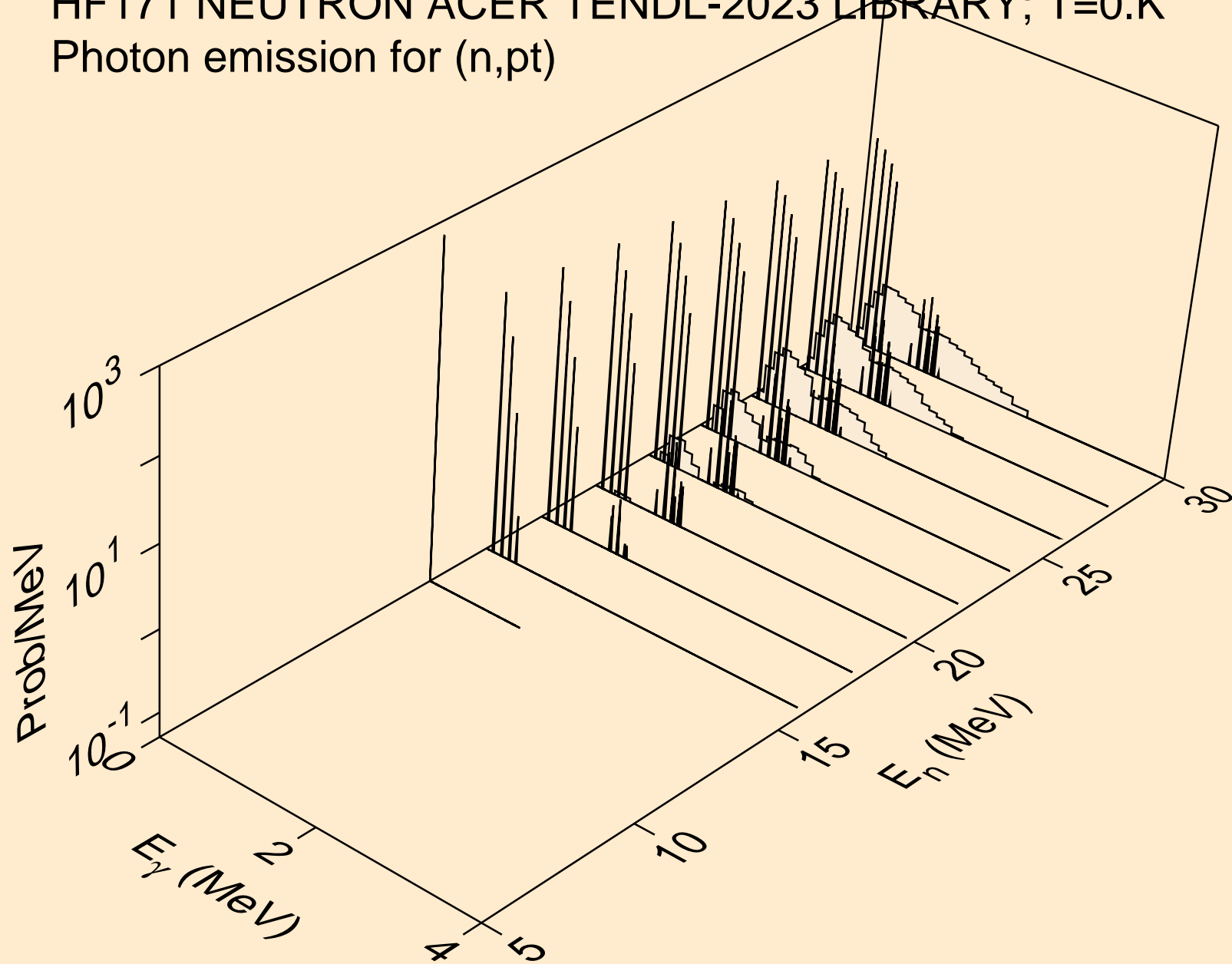
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Photon emission for (n,p $\alpha$ )



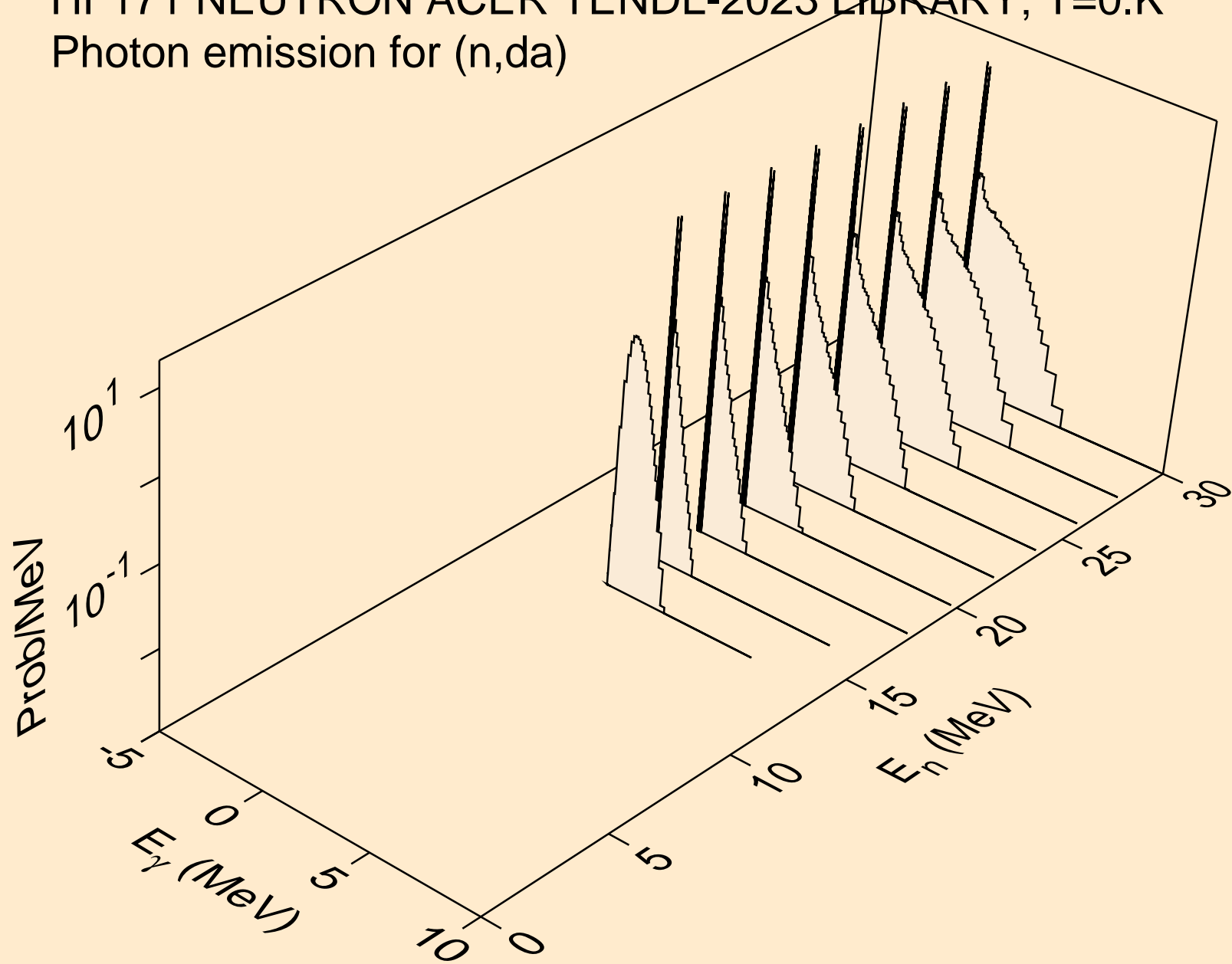
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Photon emission for (n,pd)



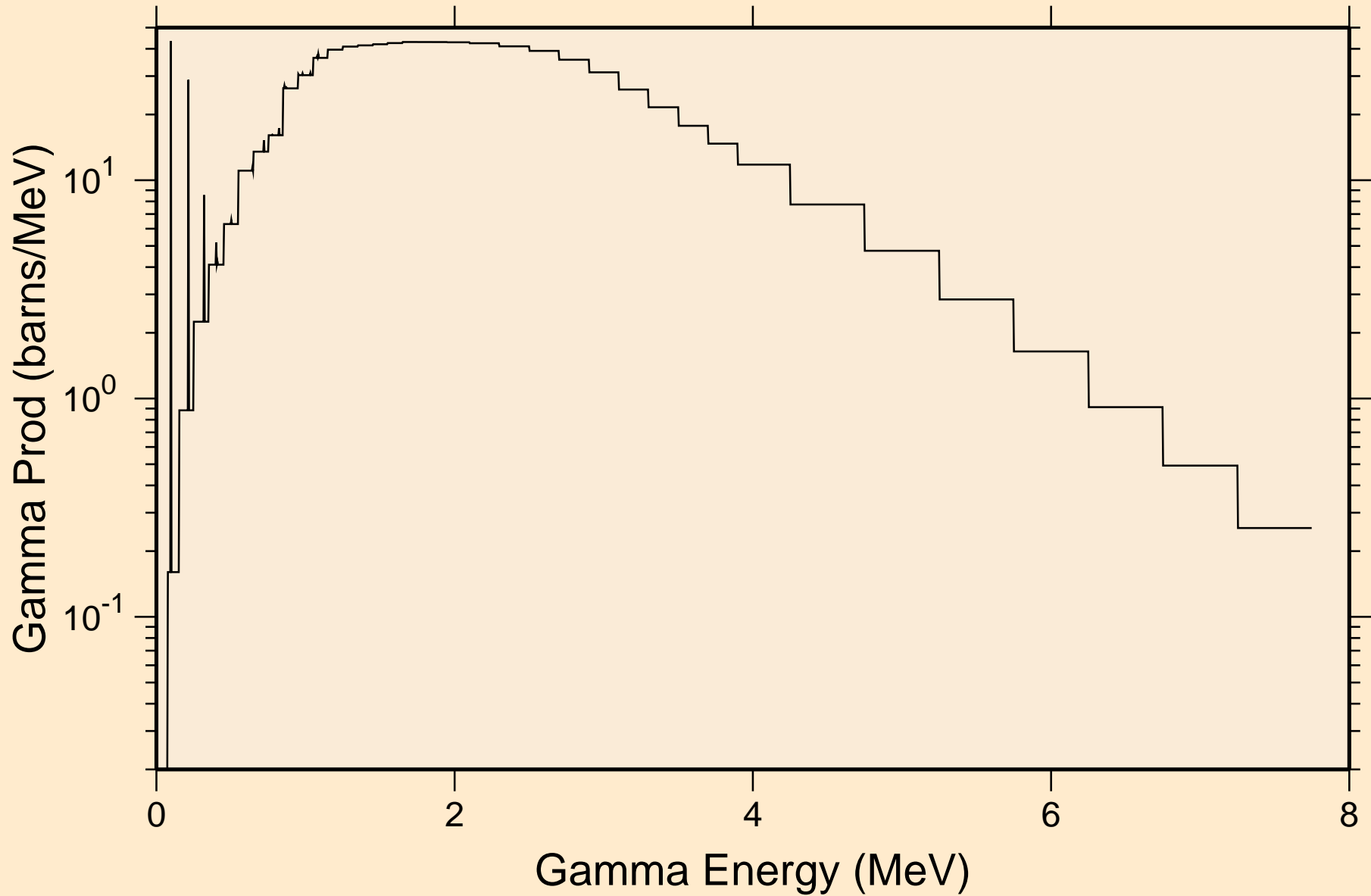
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Photon emission for (n,pt)



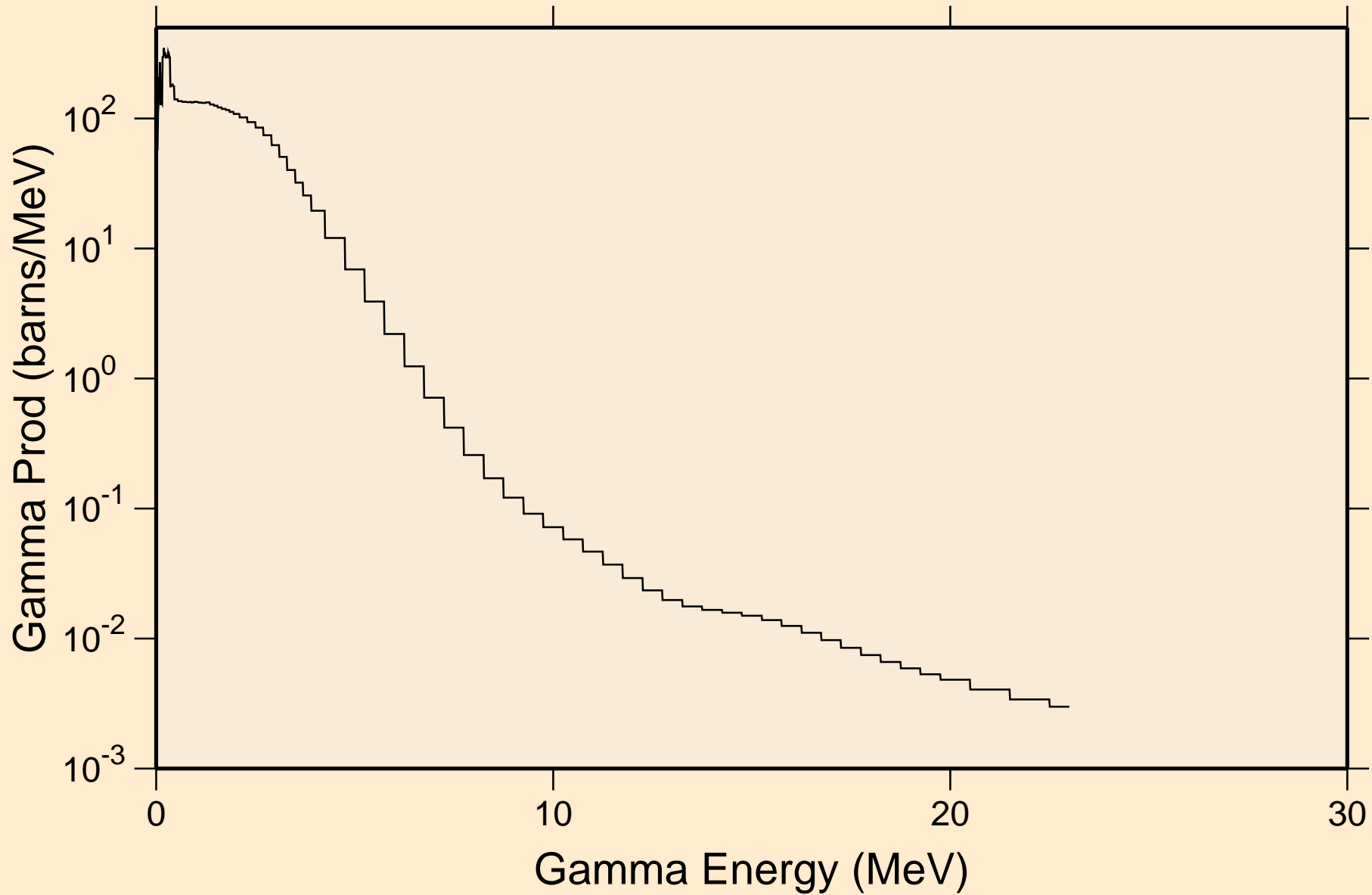
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

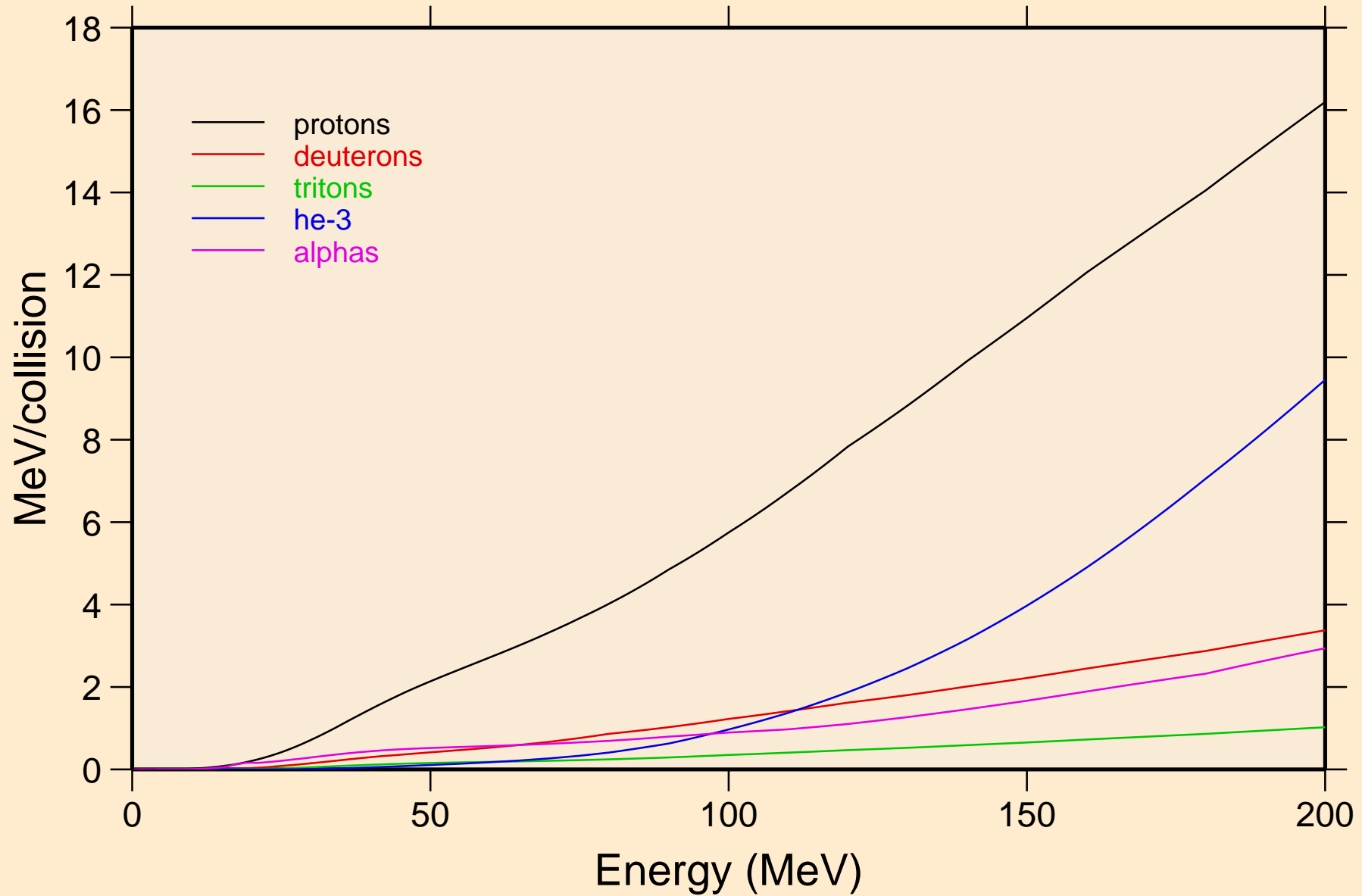


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

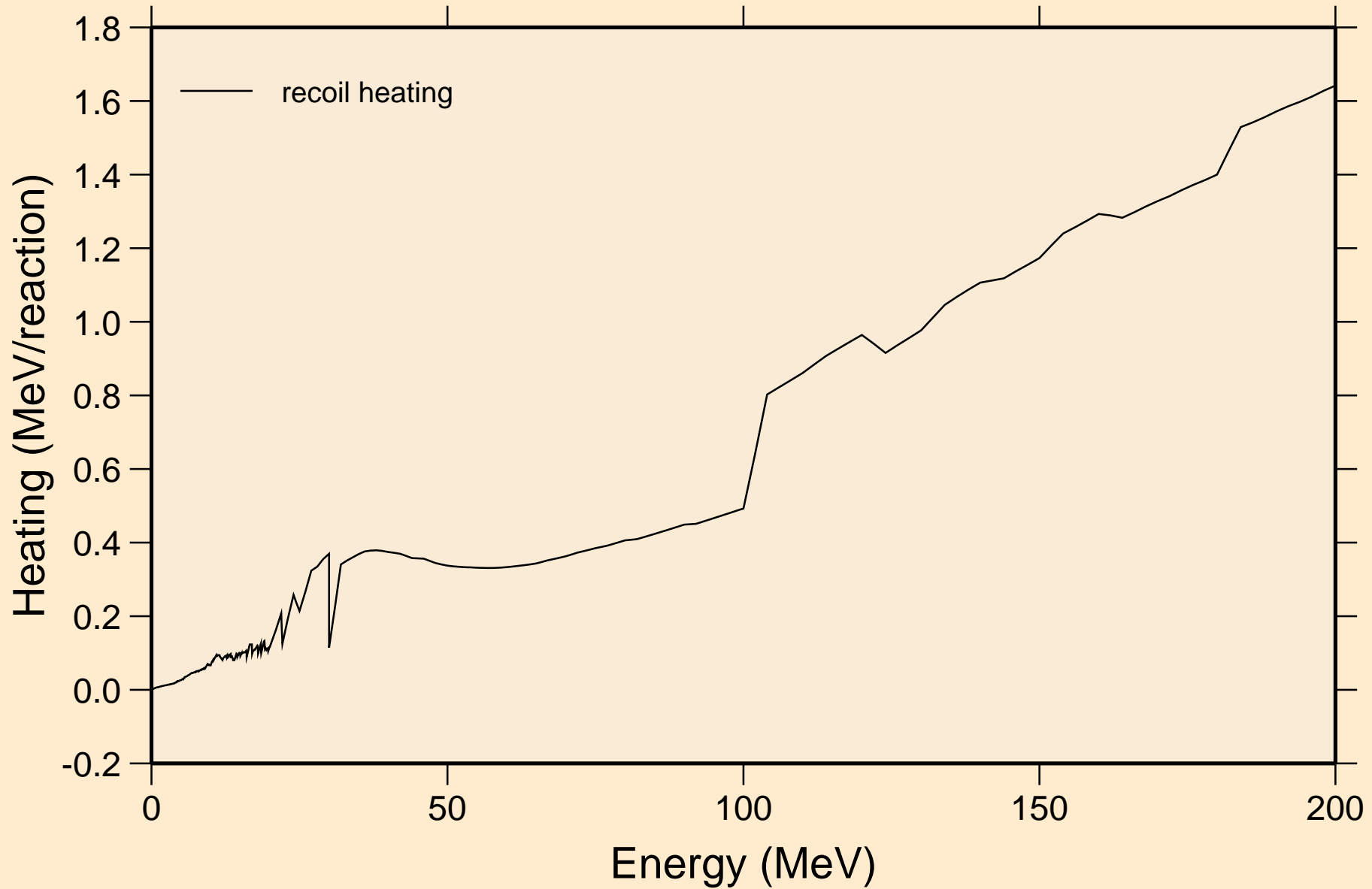


# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



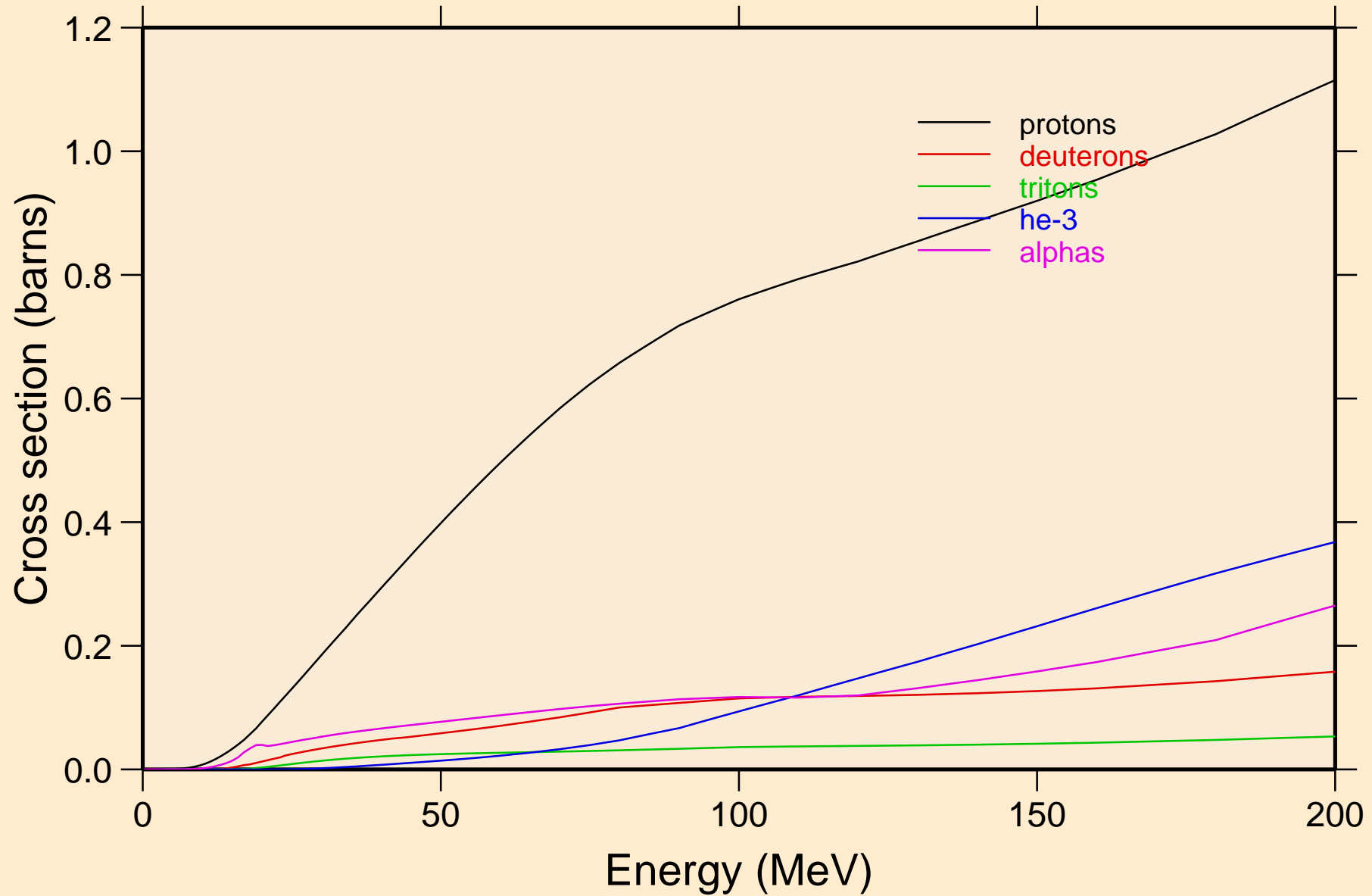
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



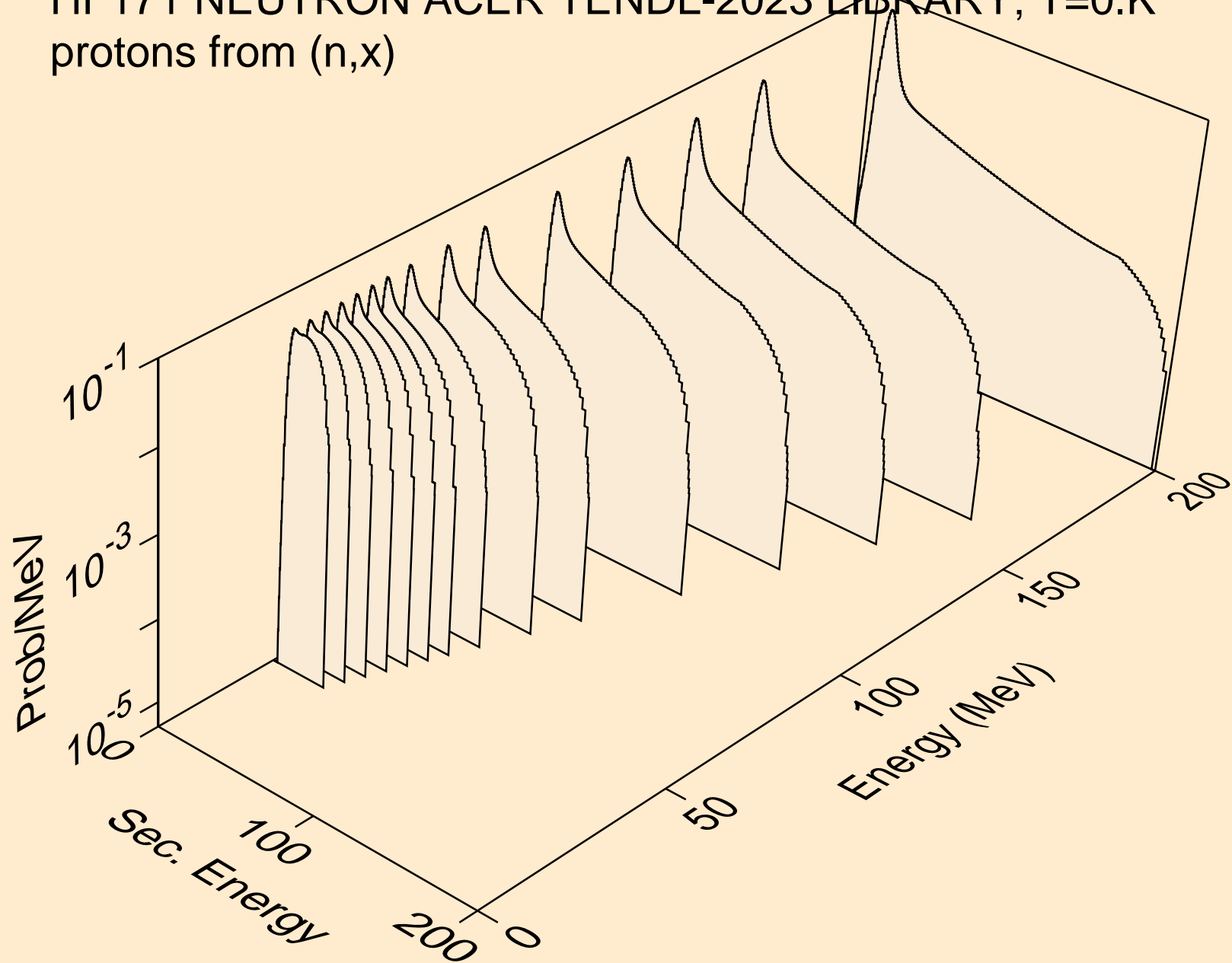


# HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

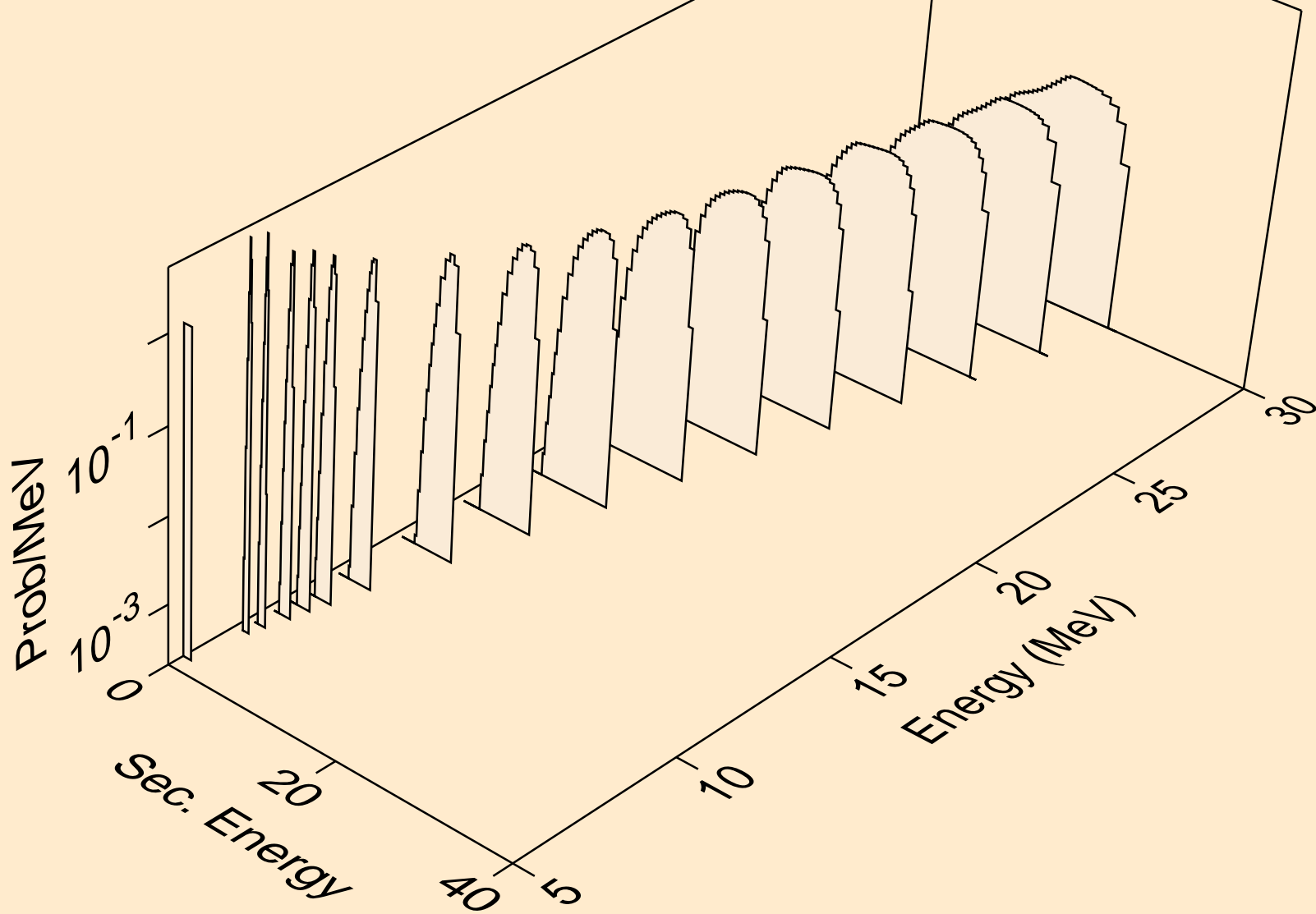
## Particle production cross sections



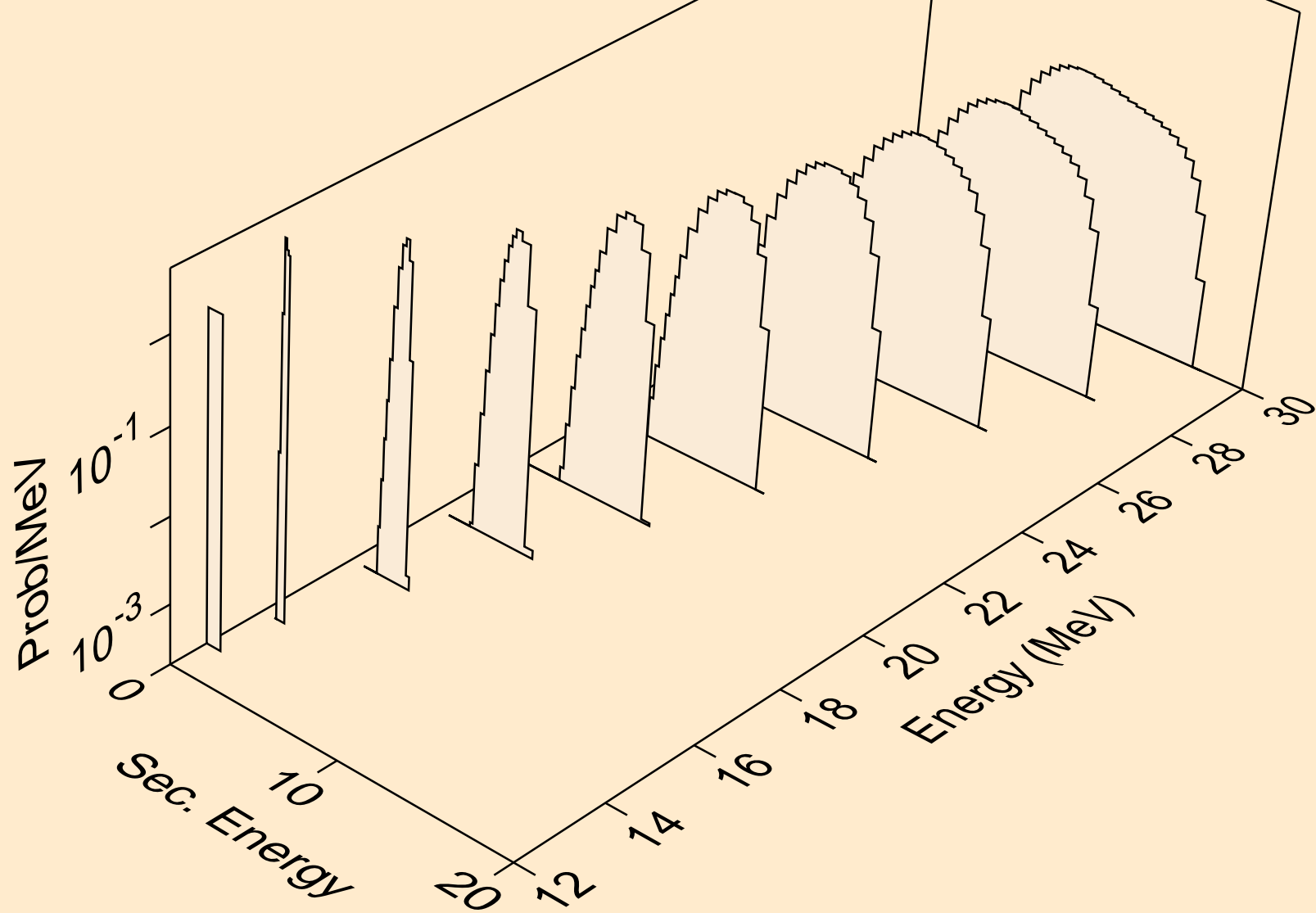
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



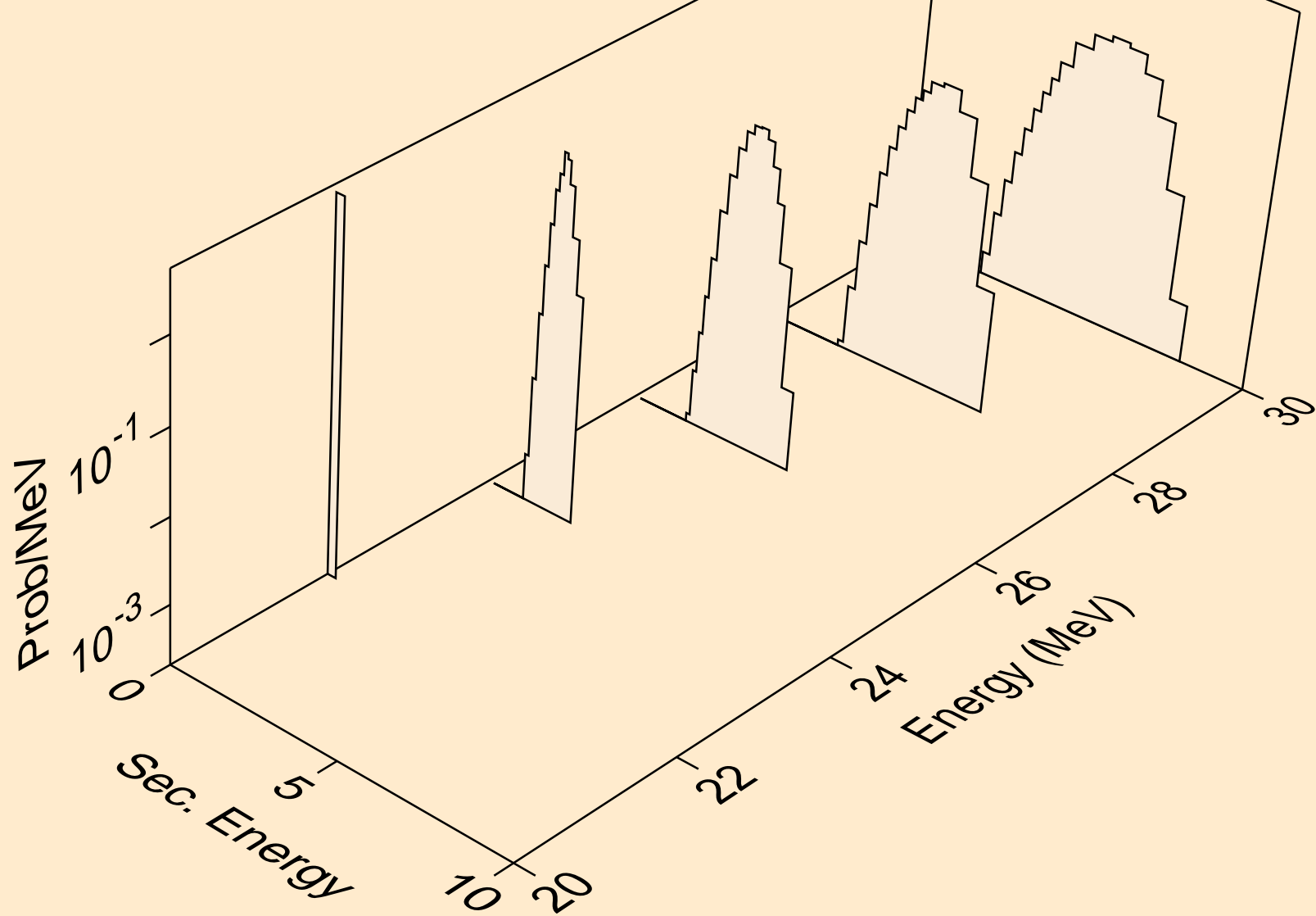
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protons from (n,n\*)p



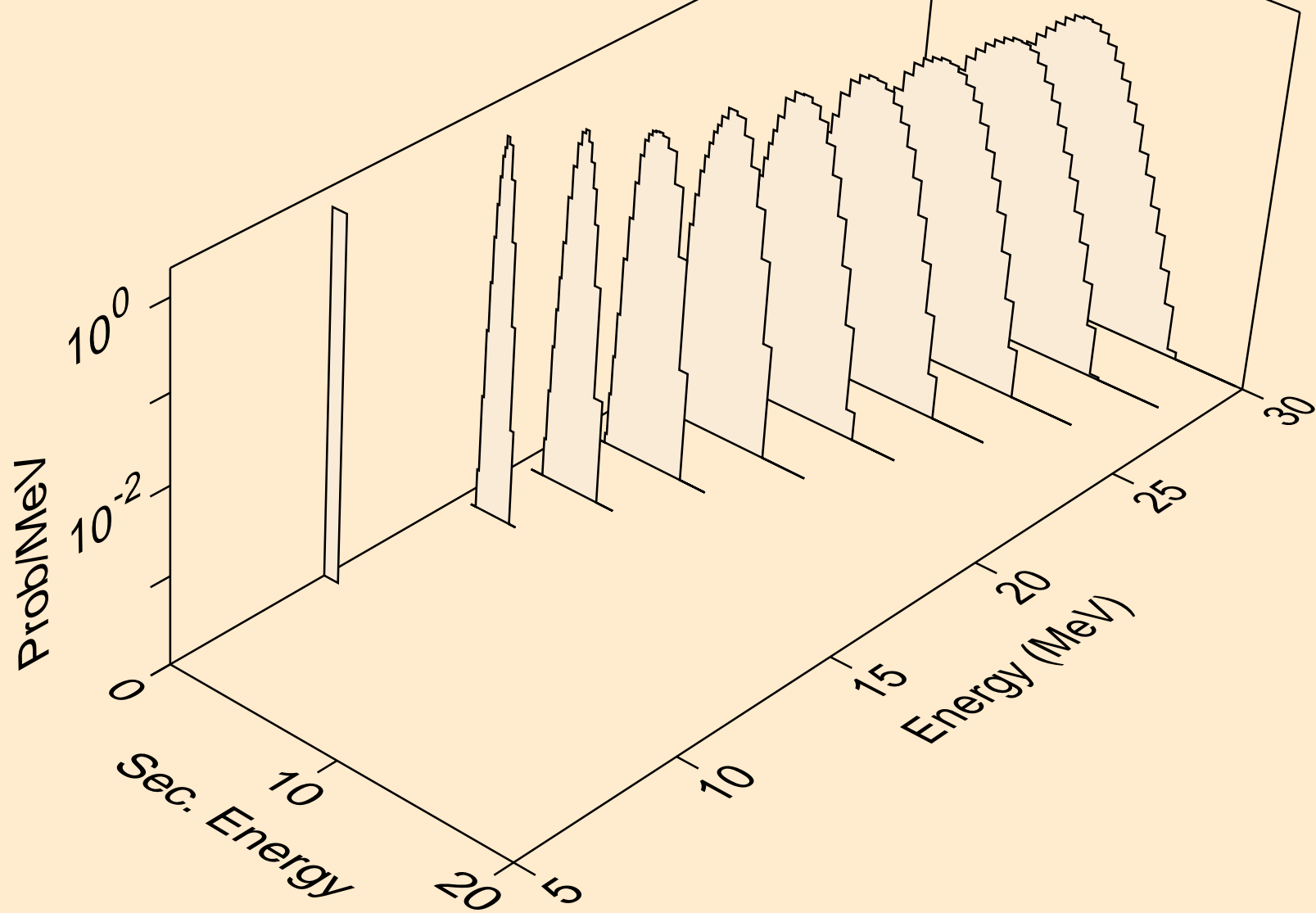
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protons from (n,2np)



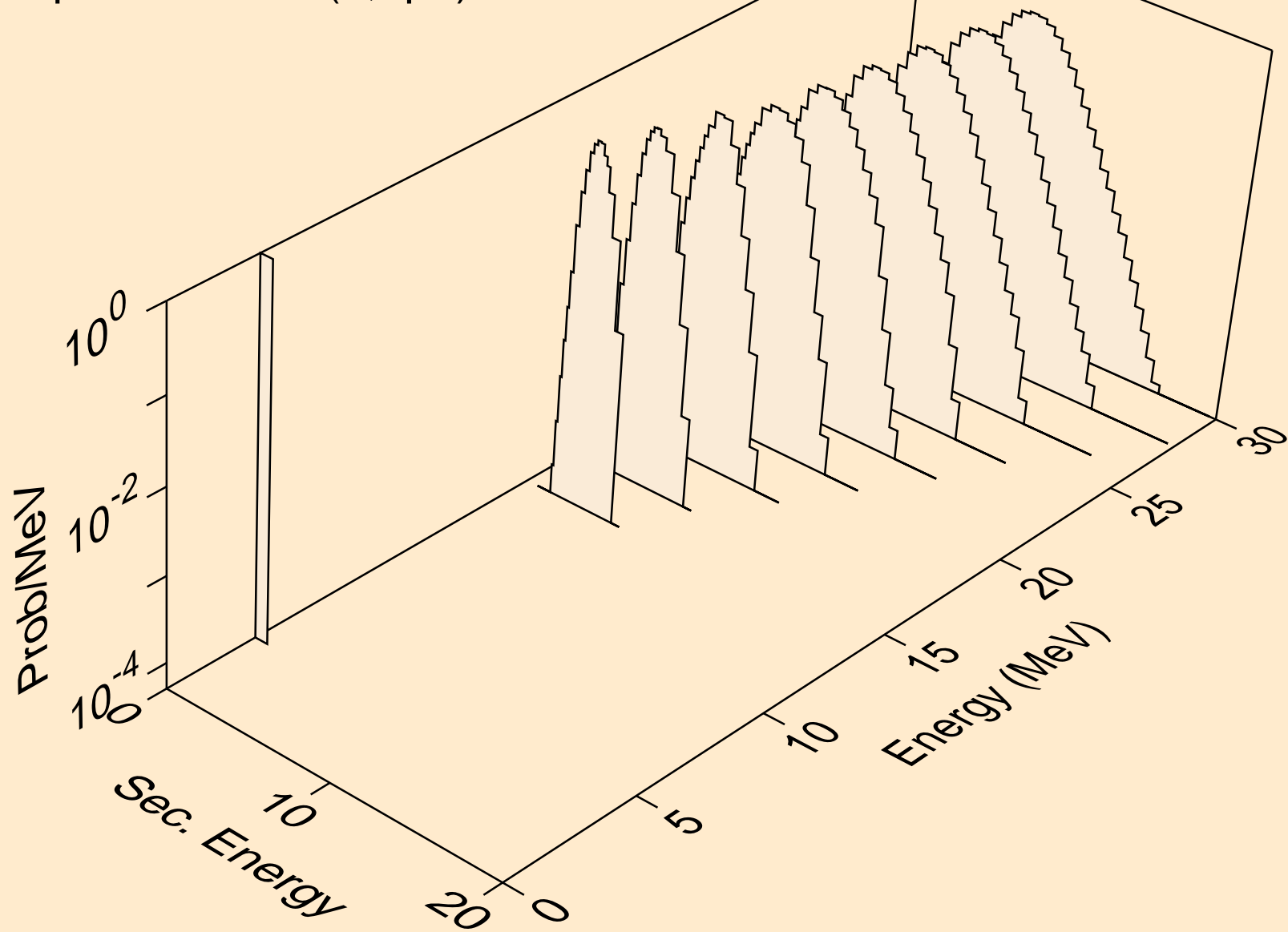
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protons from (n,3np)



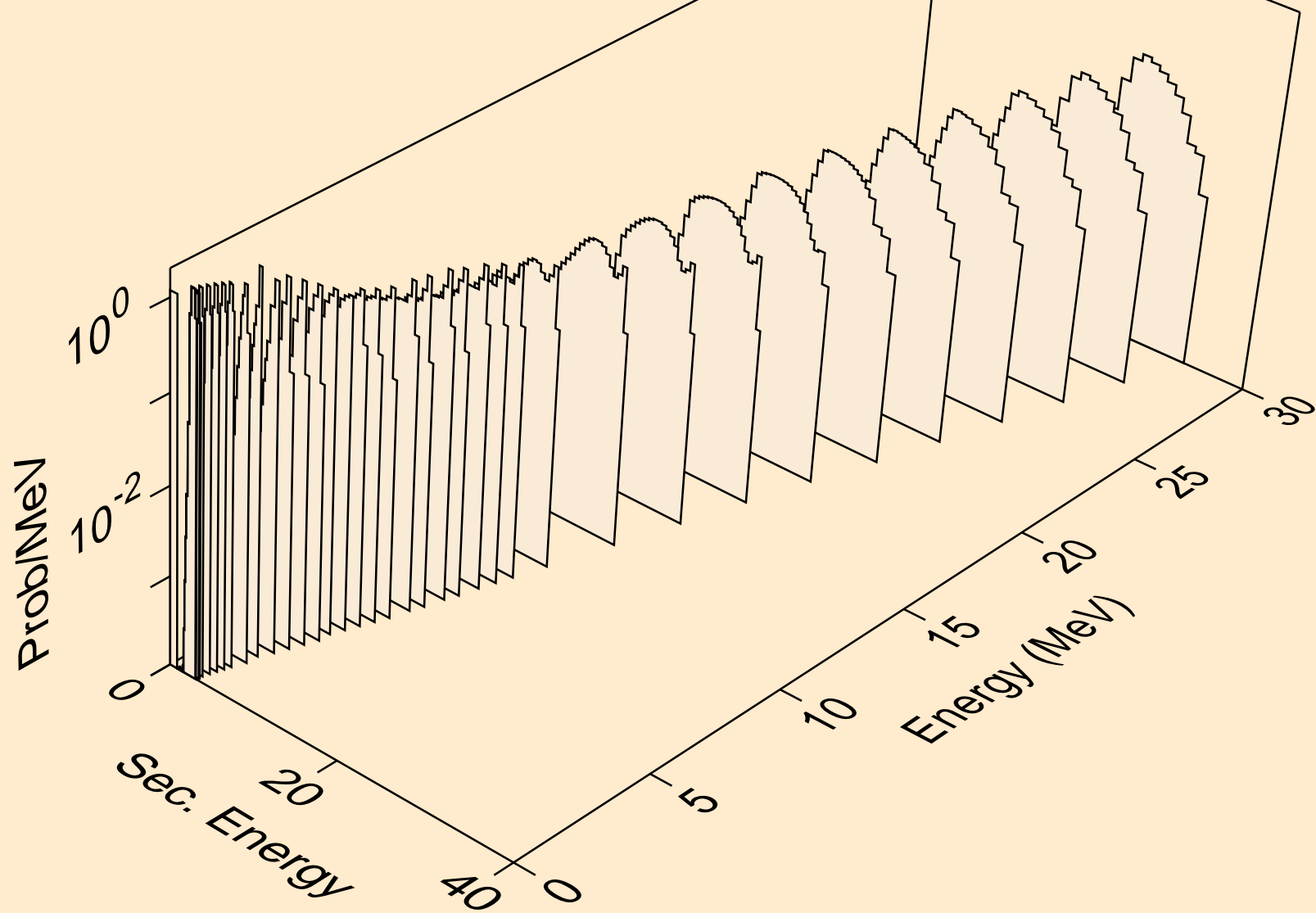
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protons from (n,n2p)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

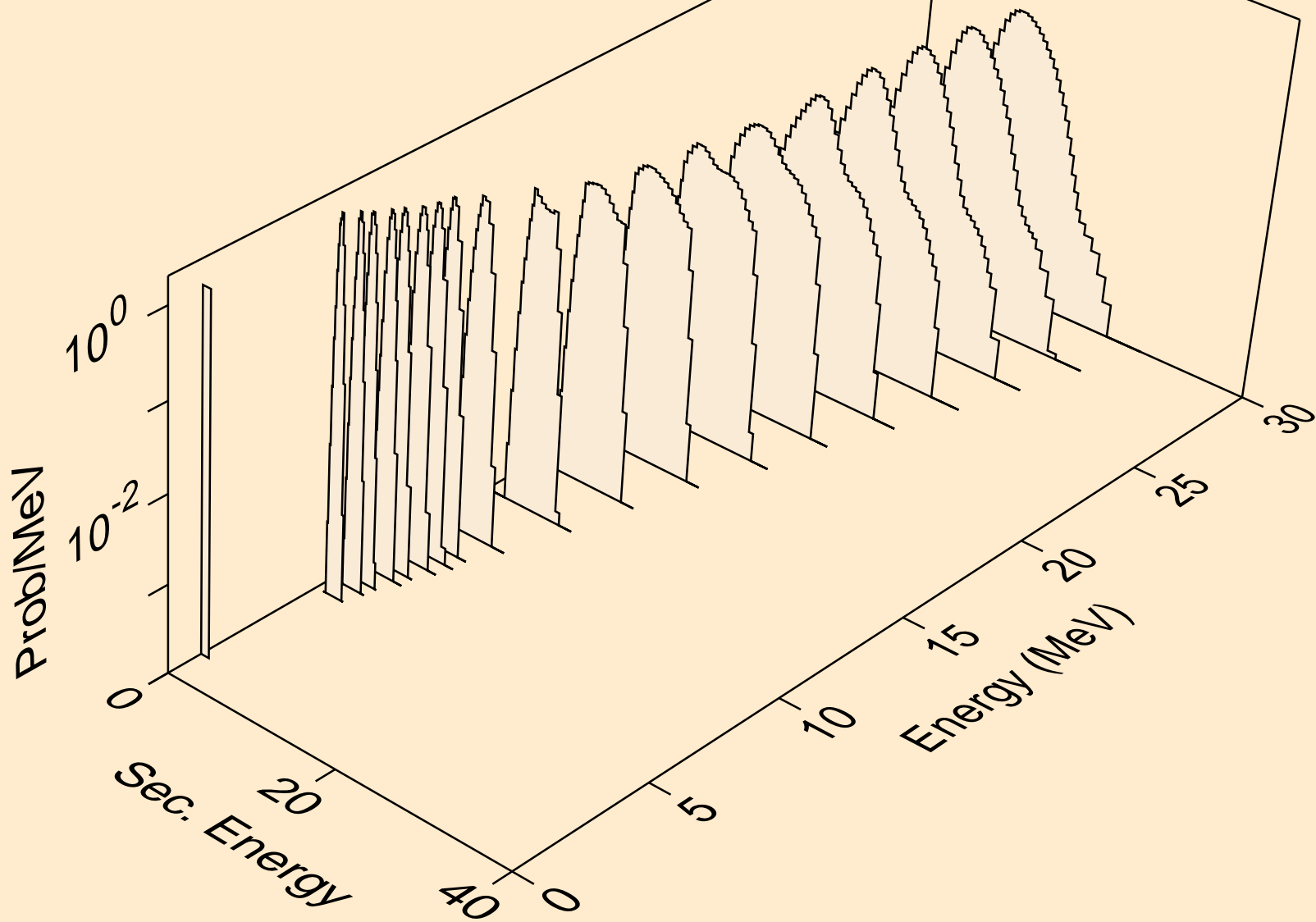


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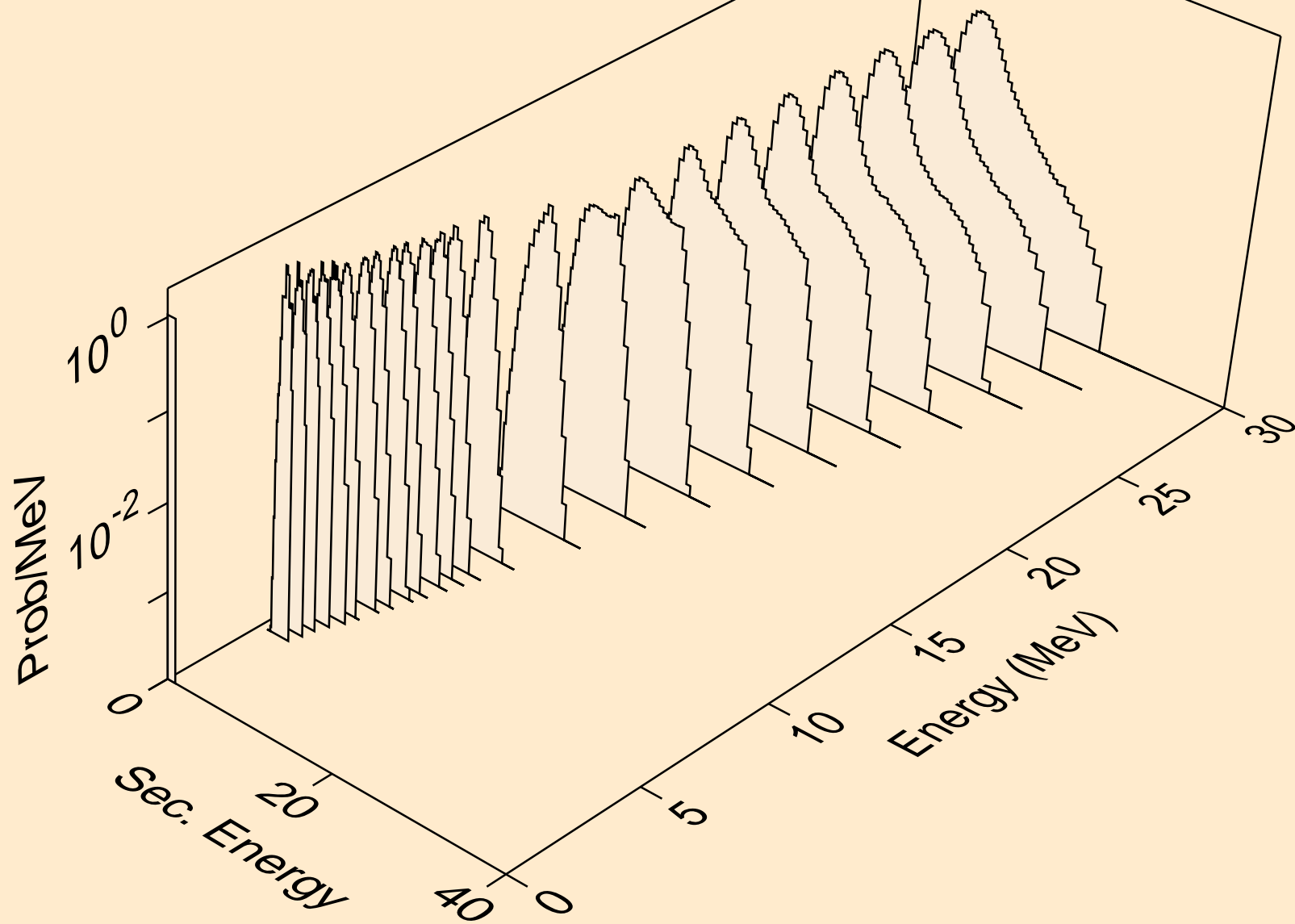




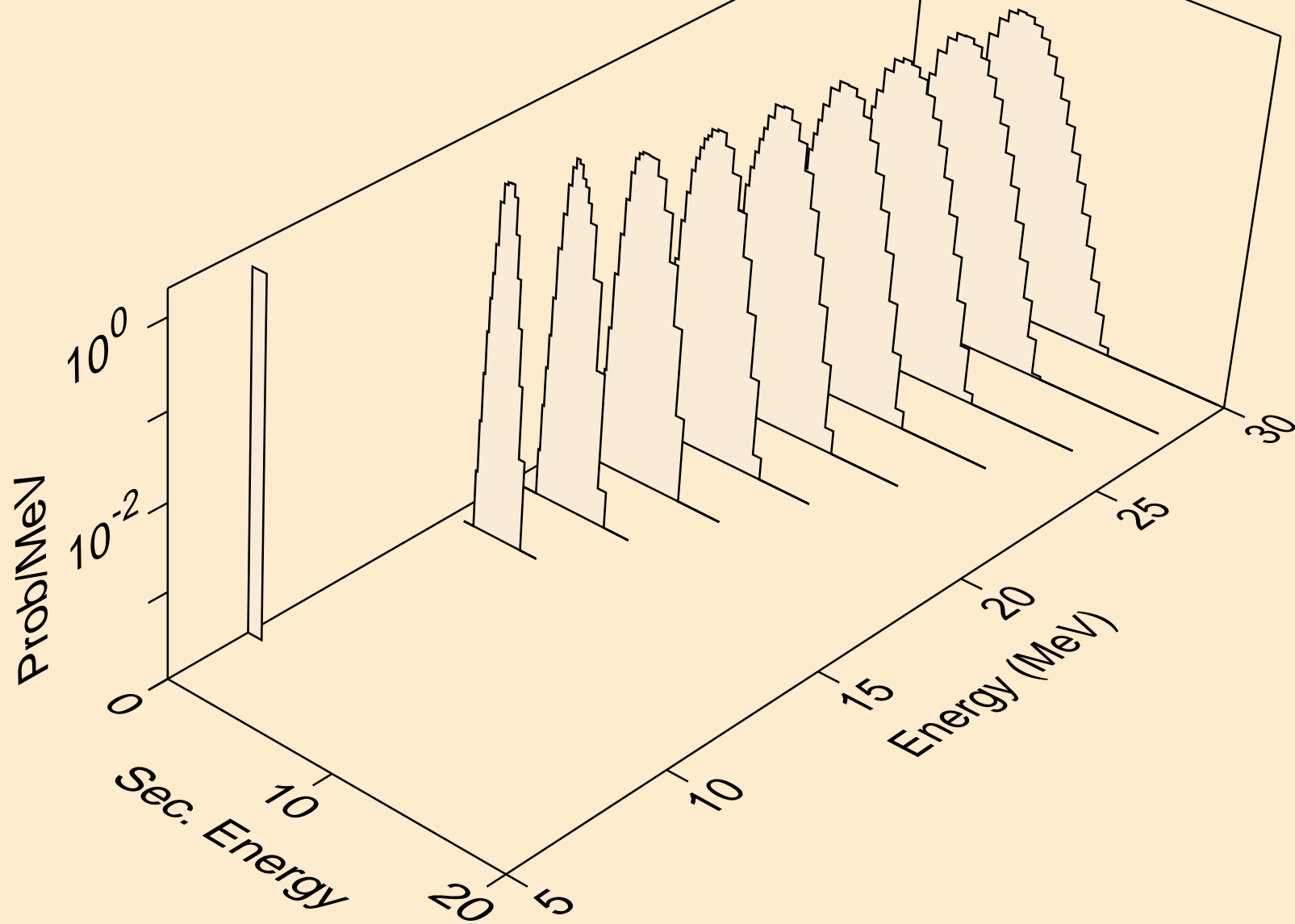
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protons from (n,2p)



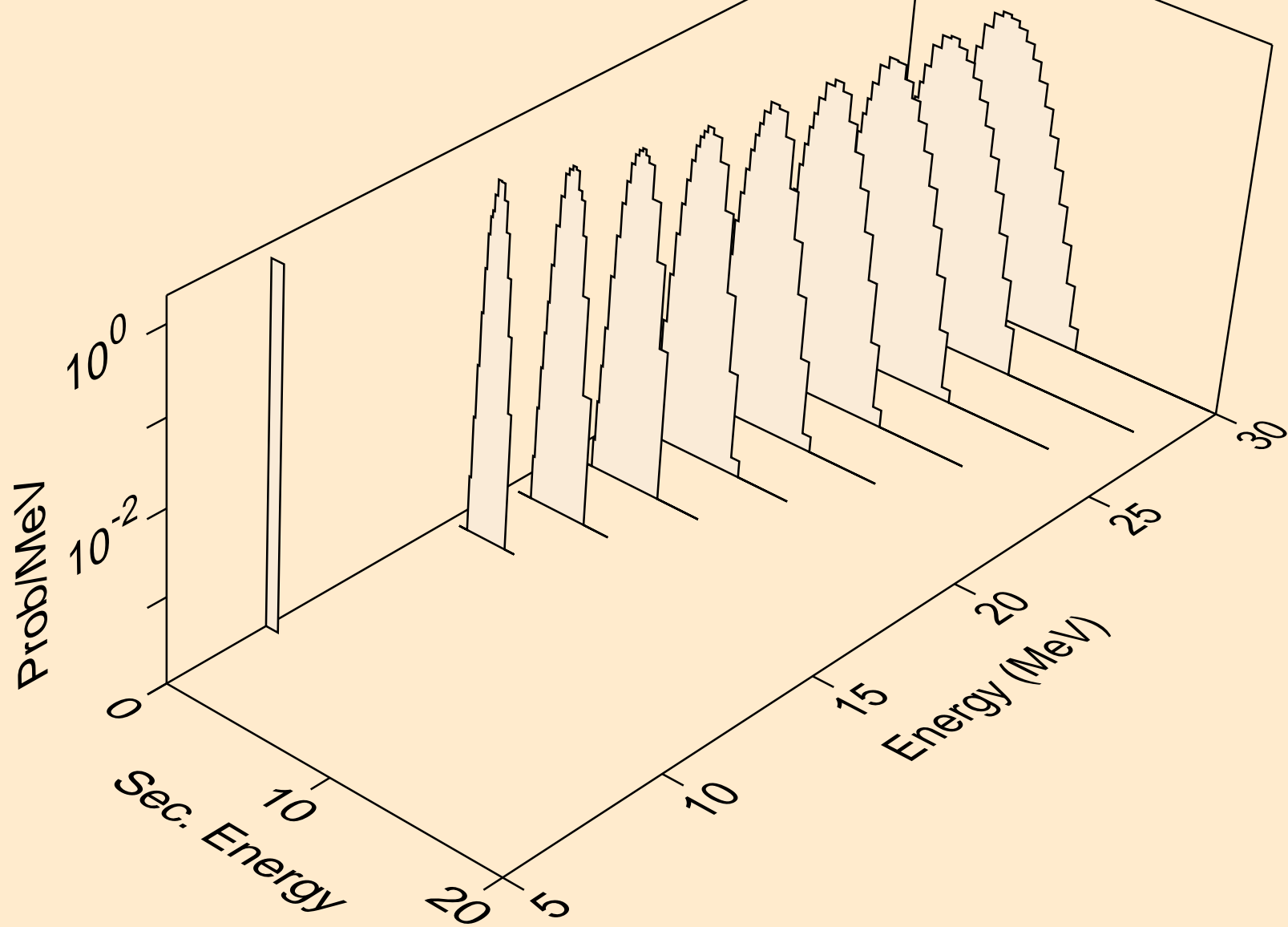
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protons from (n,p)



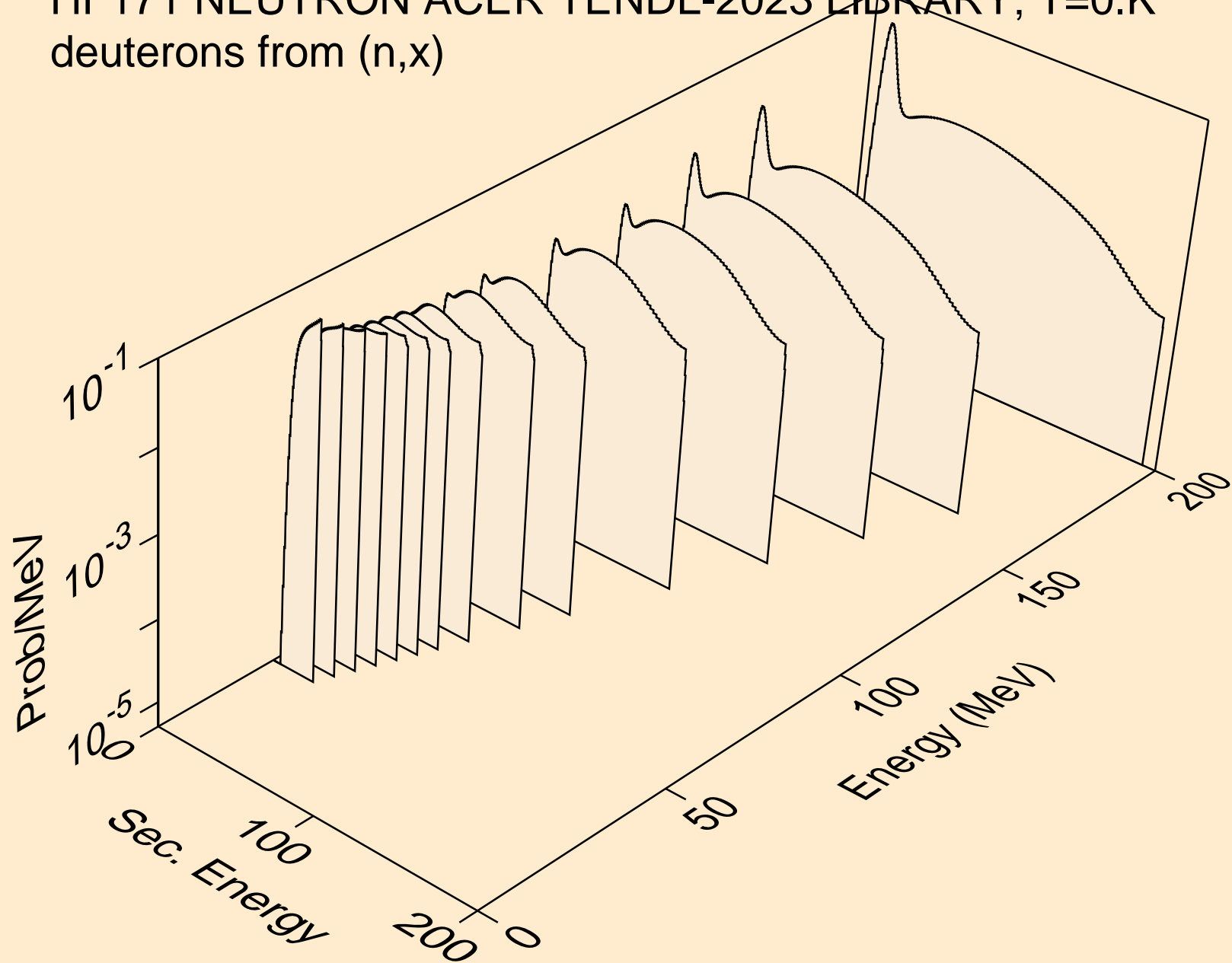
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protons from (n,pd)



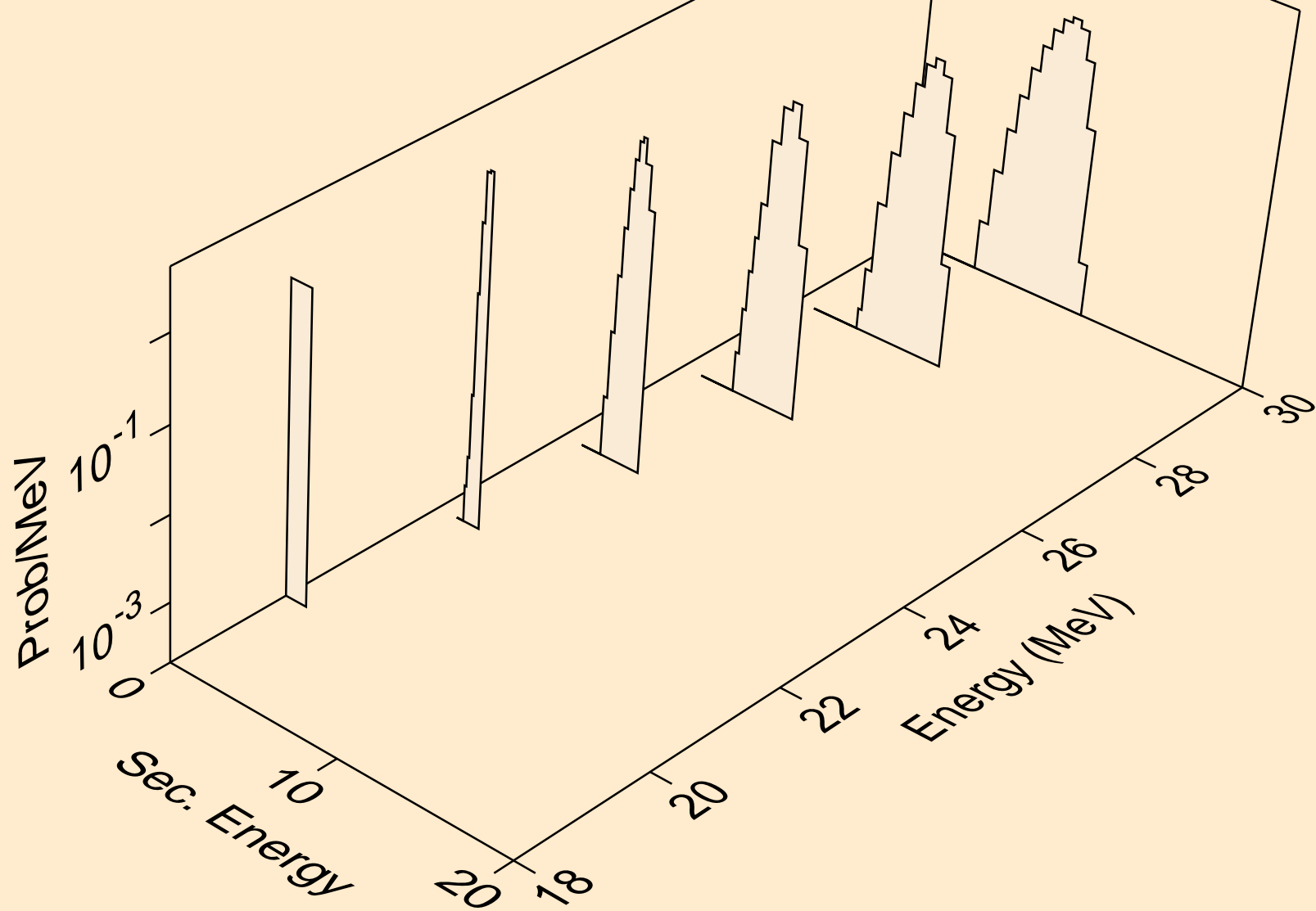
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protons from (n,pt)



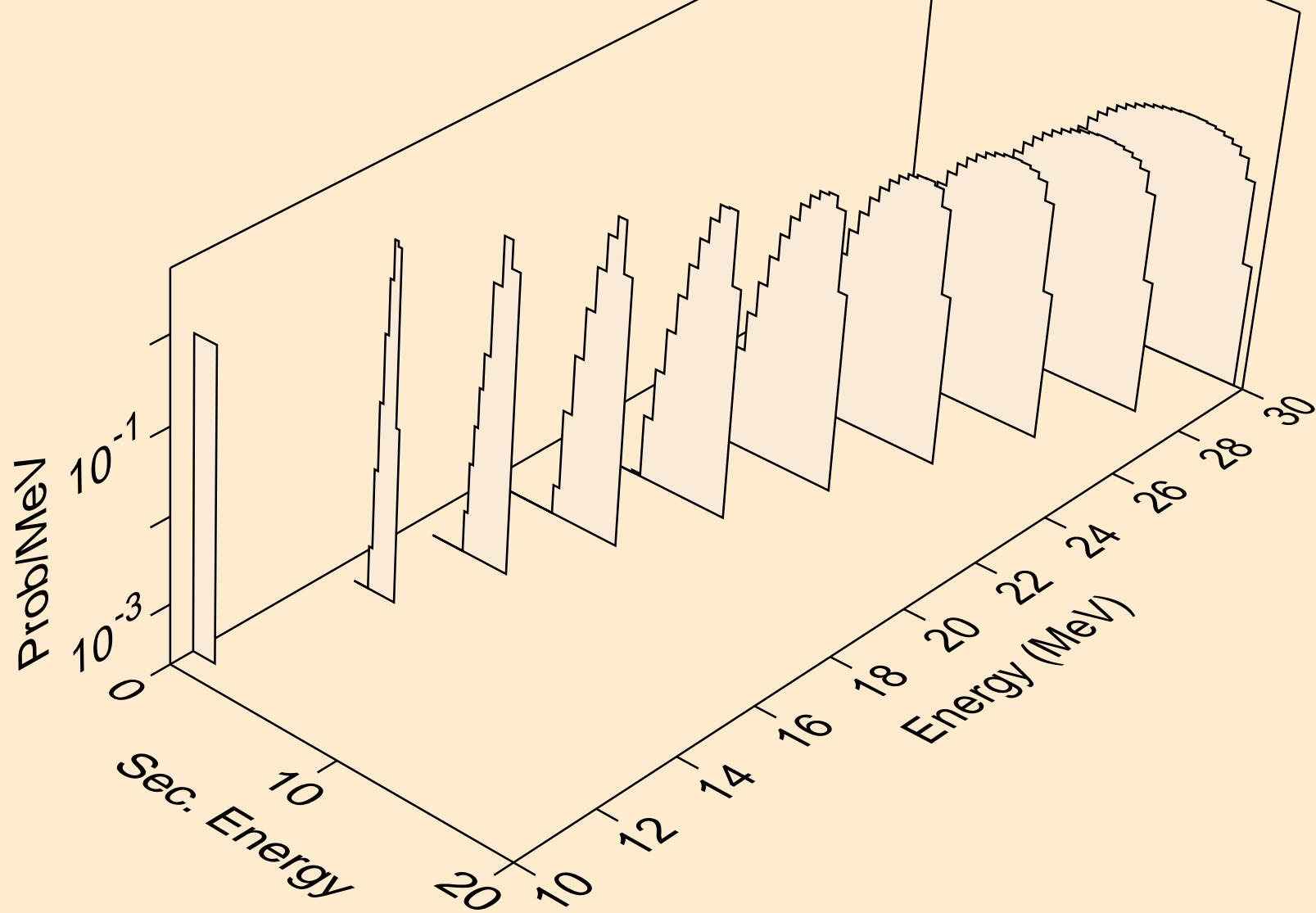
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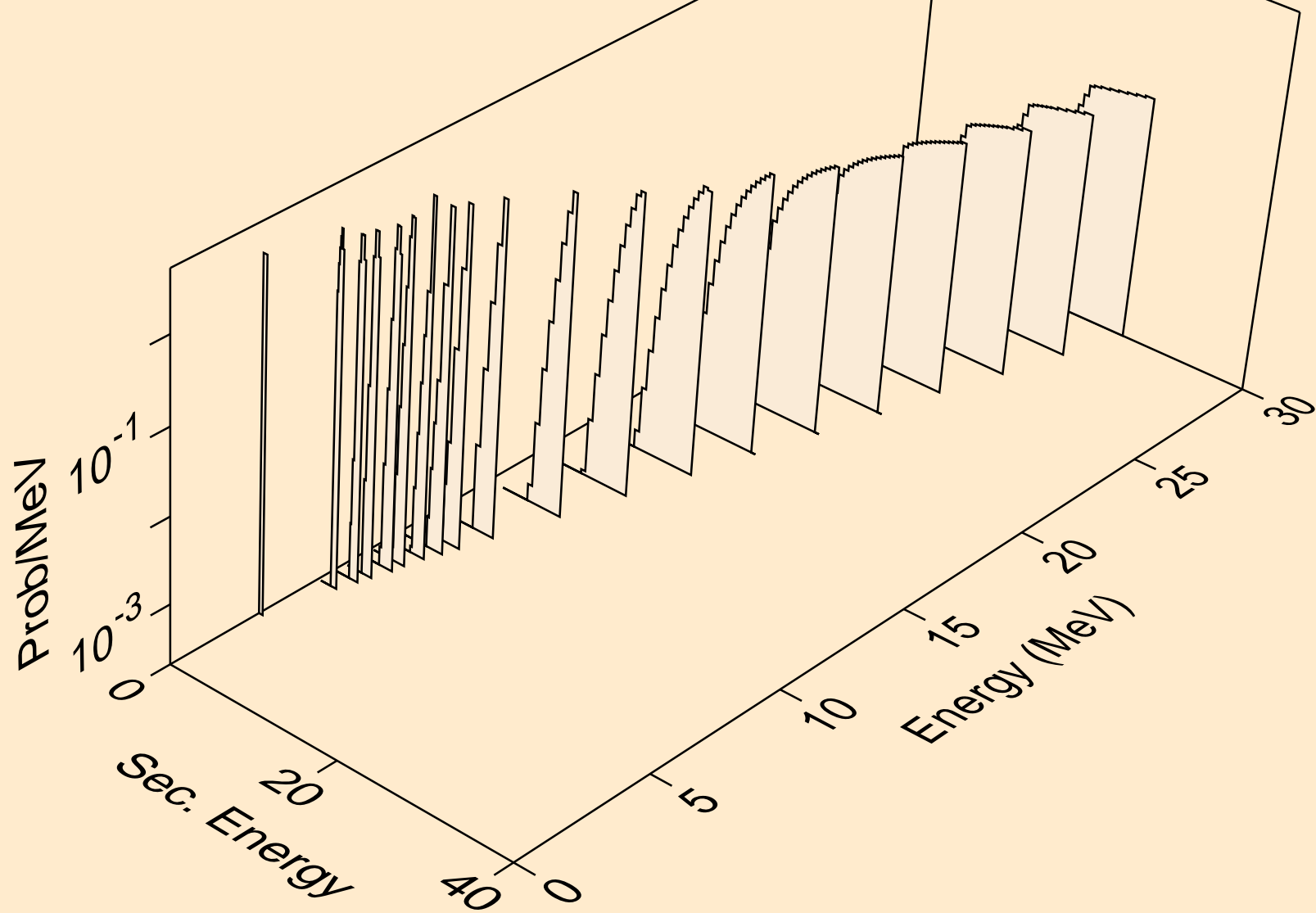
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deuterons from (n,2nd)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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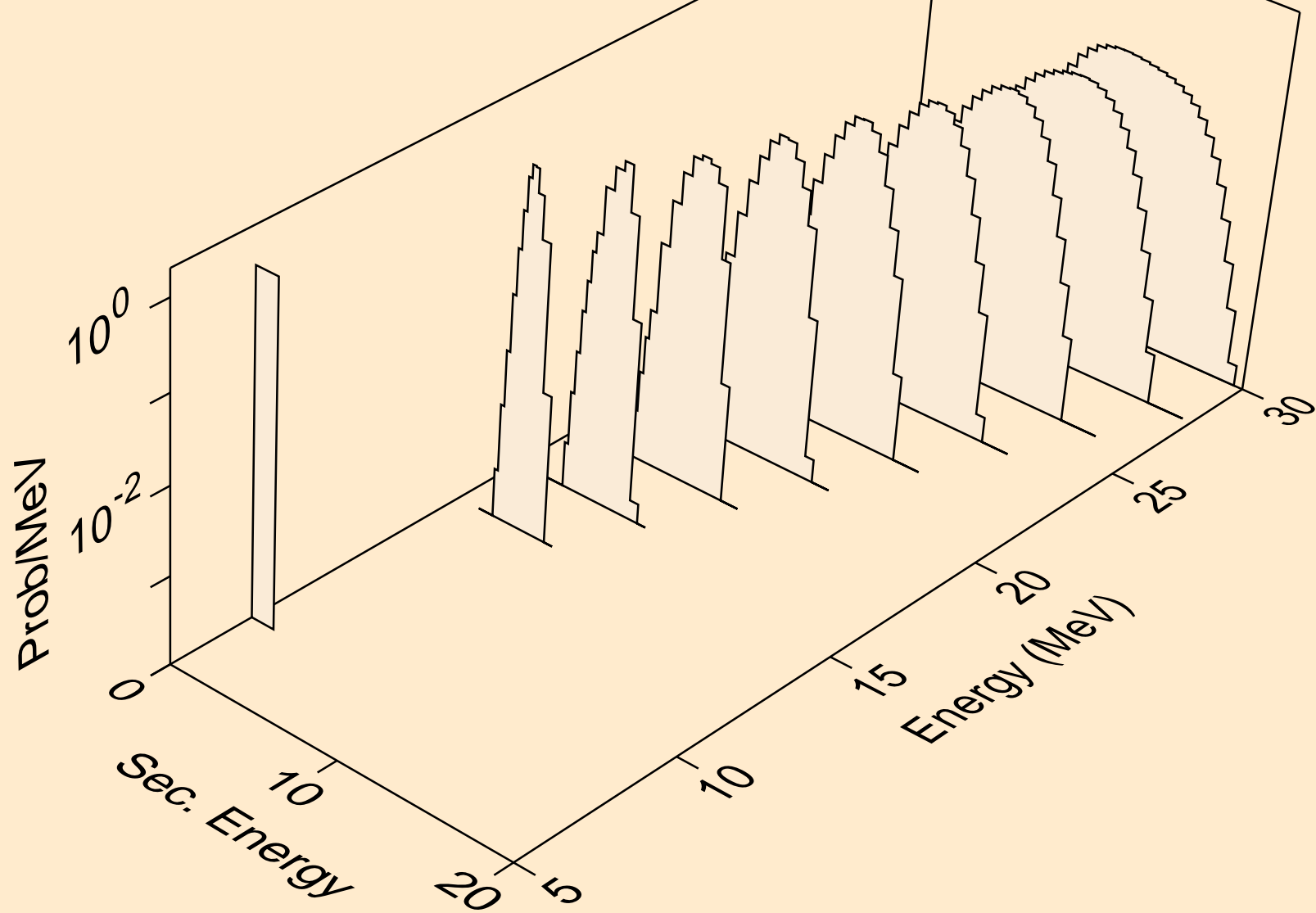


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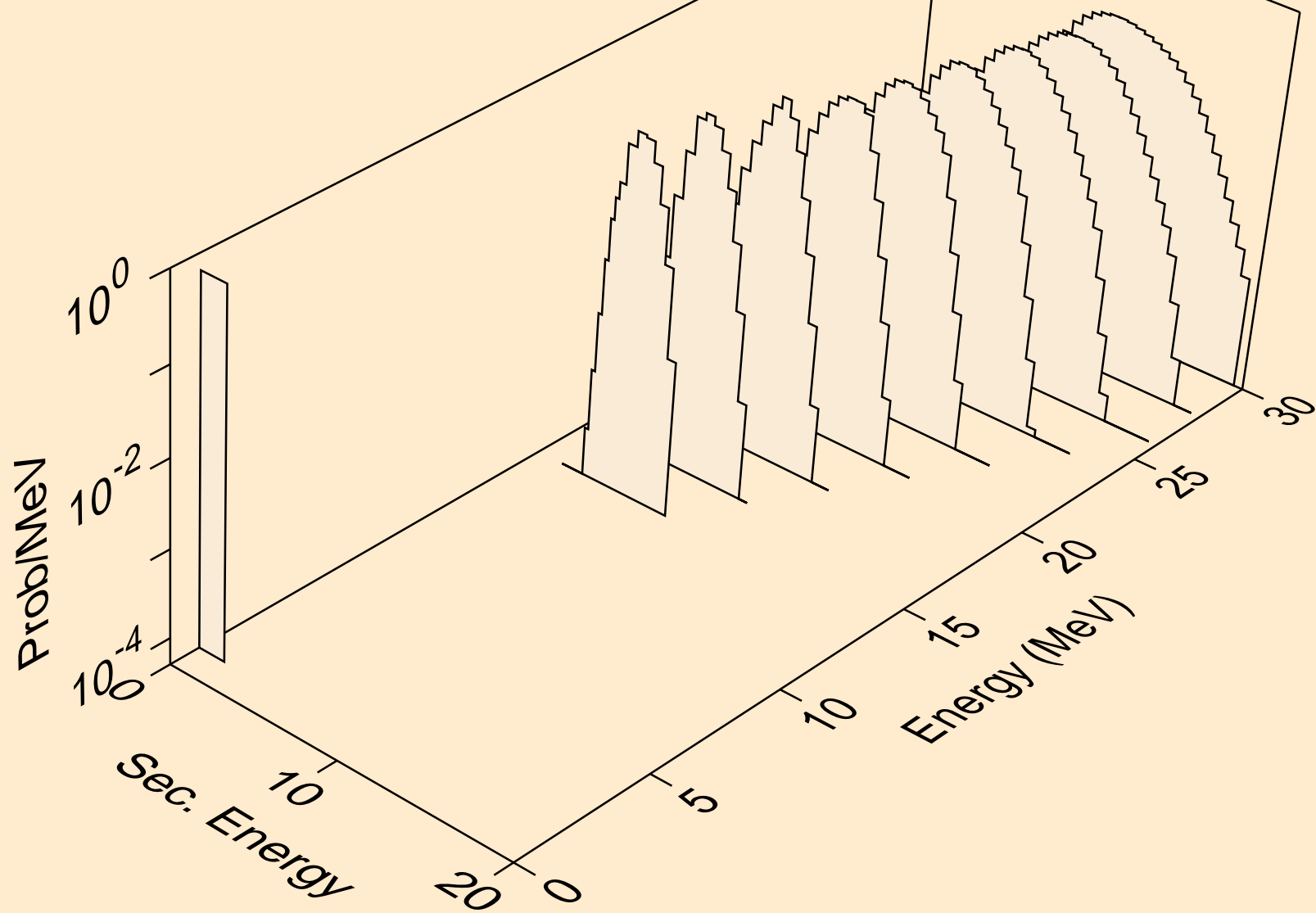




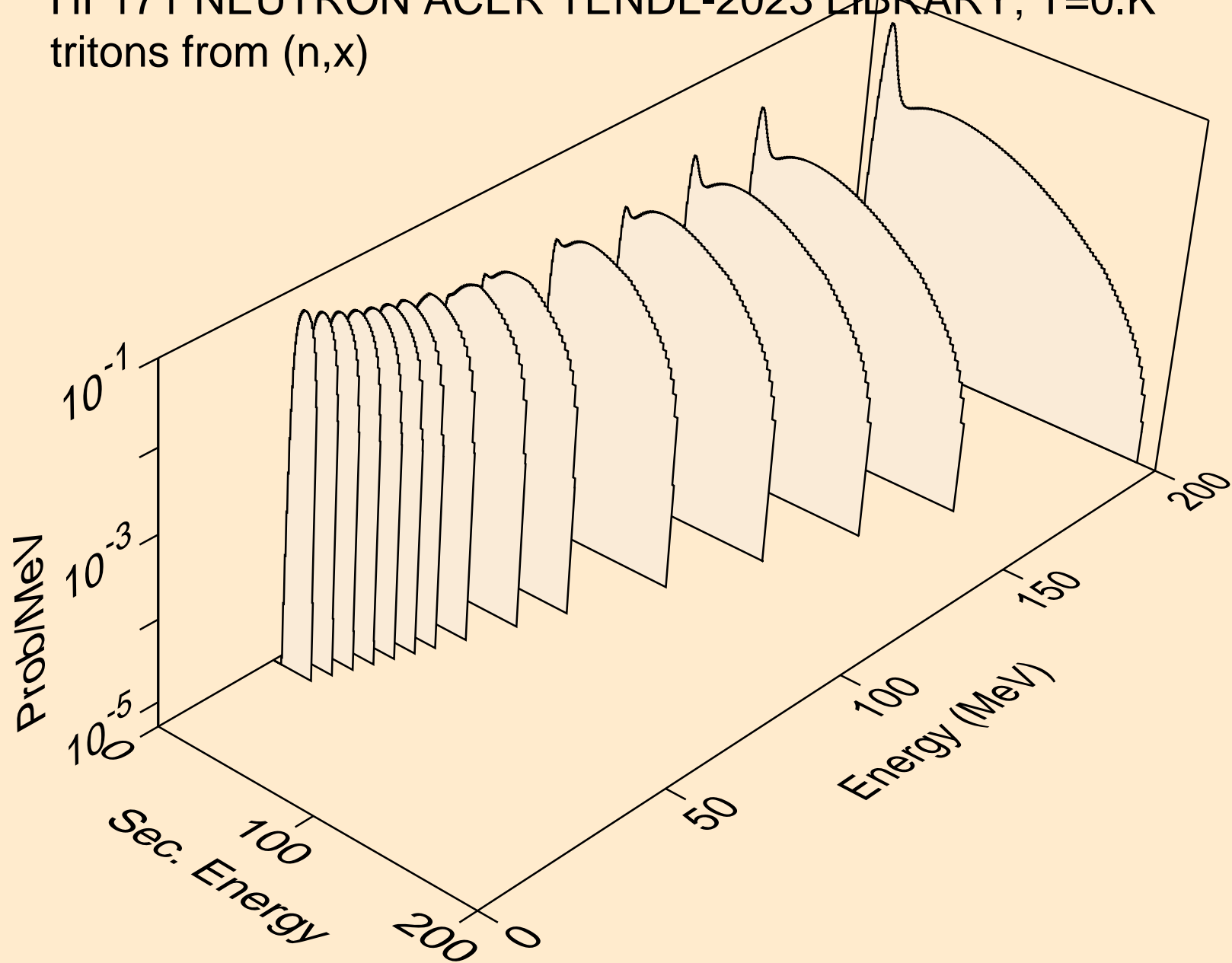
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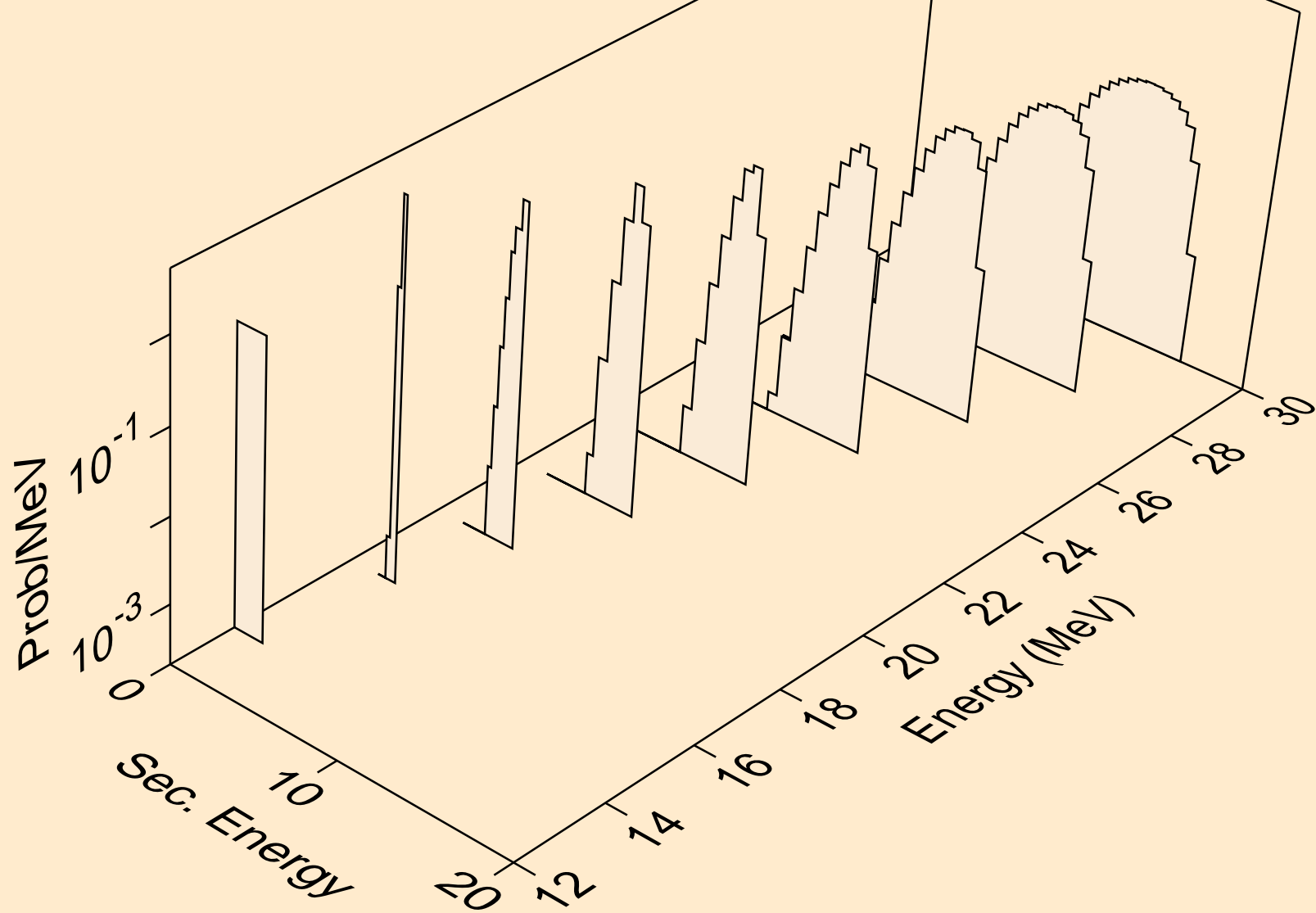
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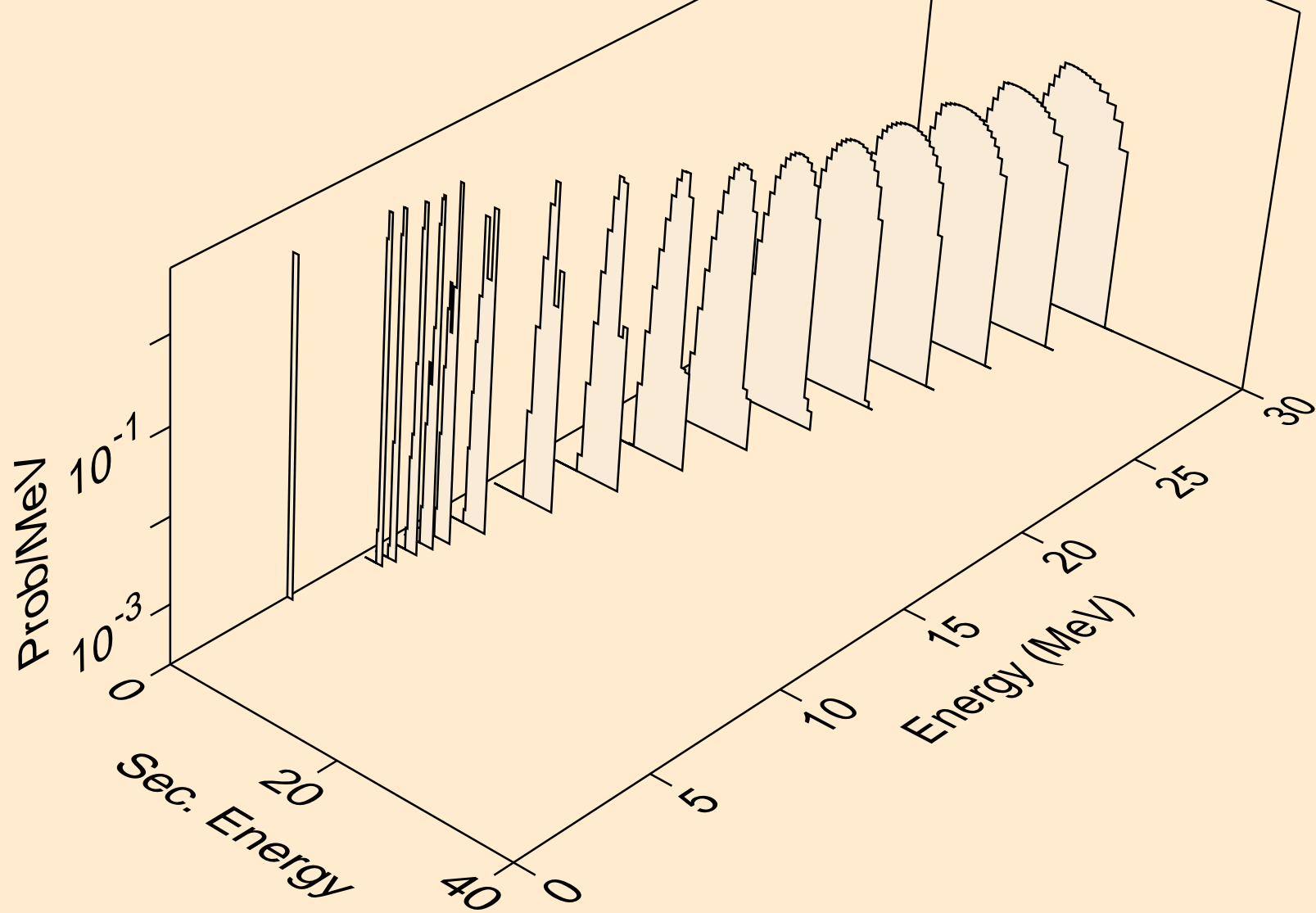
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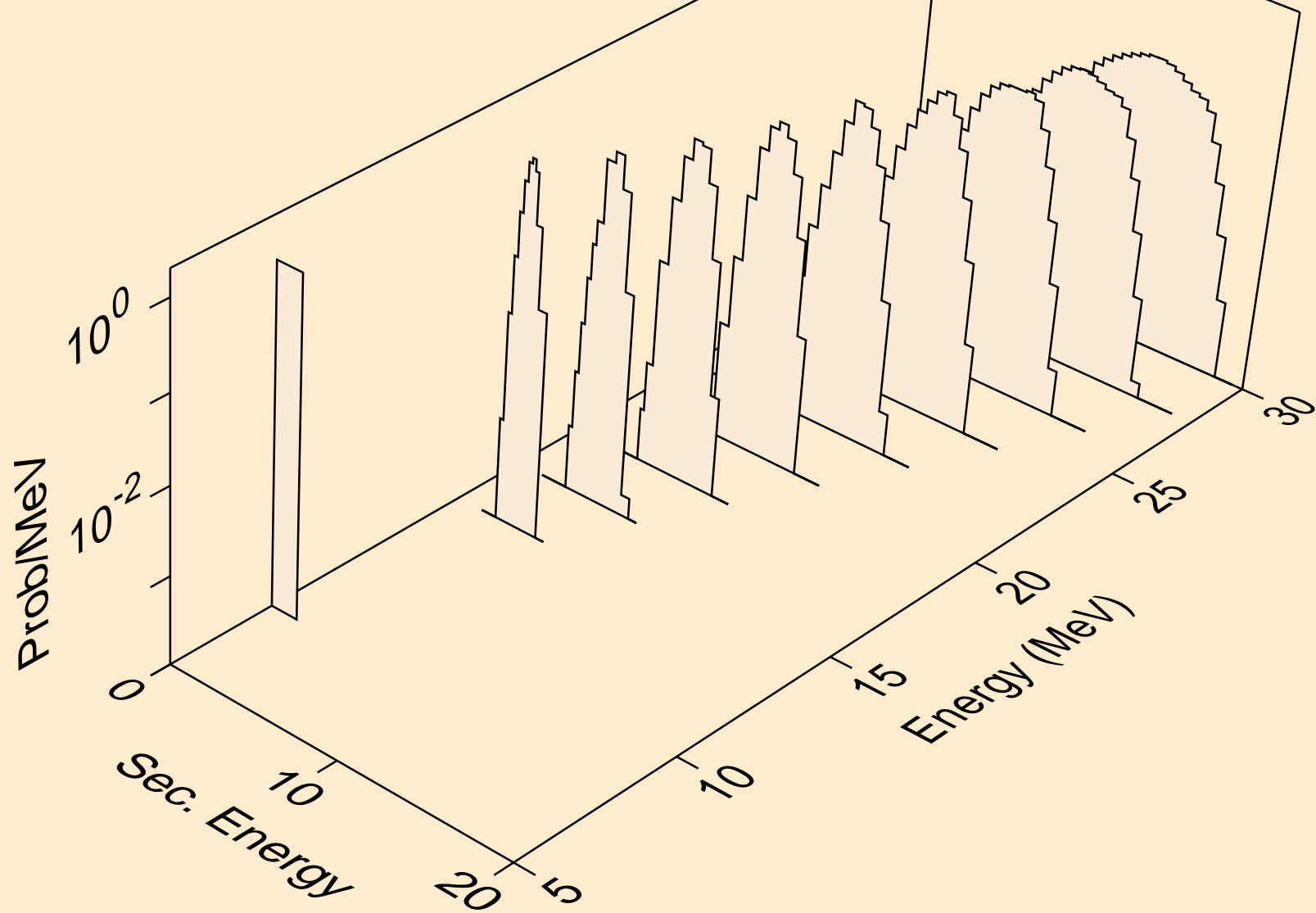
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tritons from (n,n\*)t



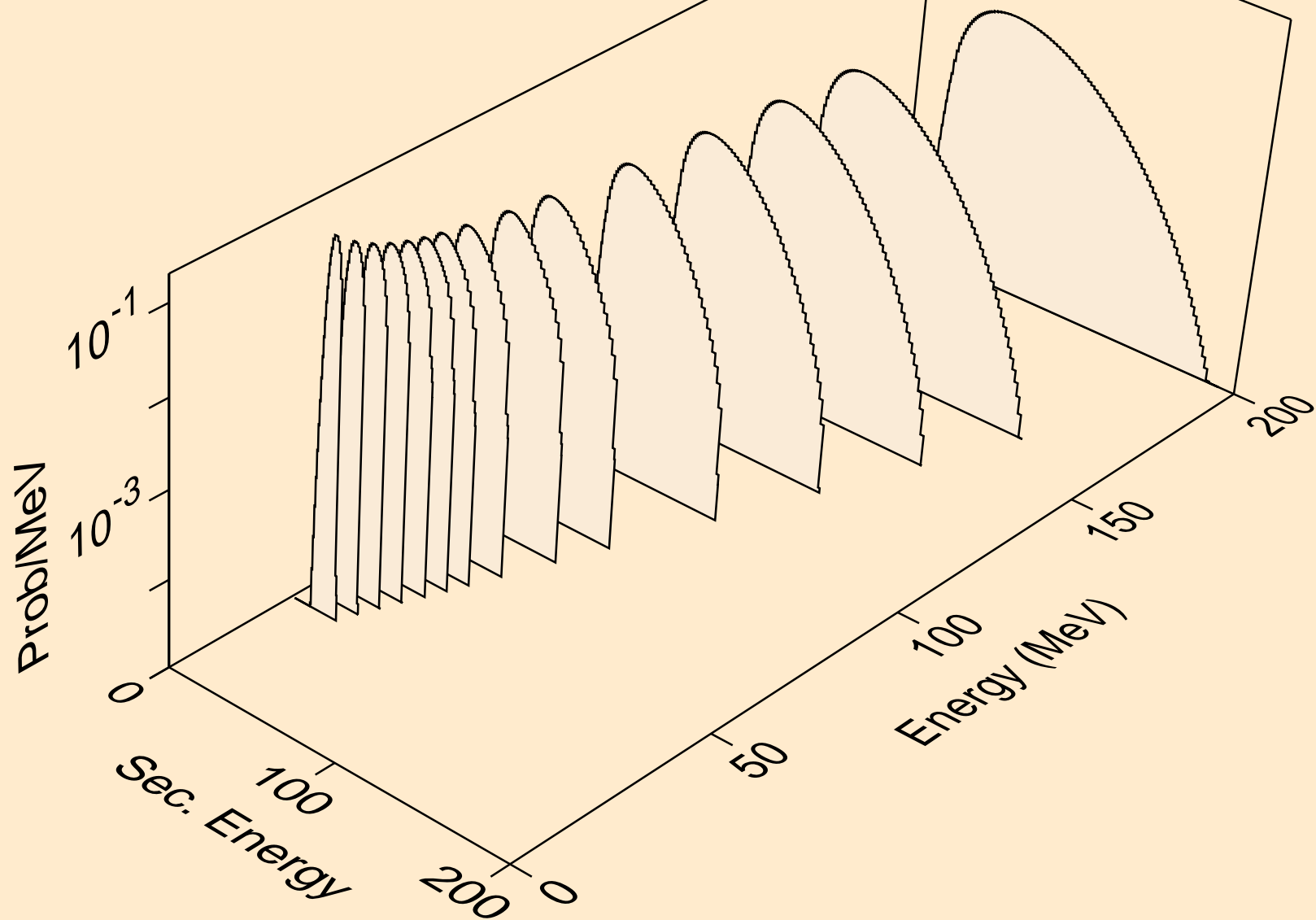
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tritons from (n,t)



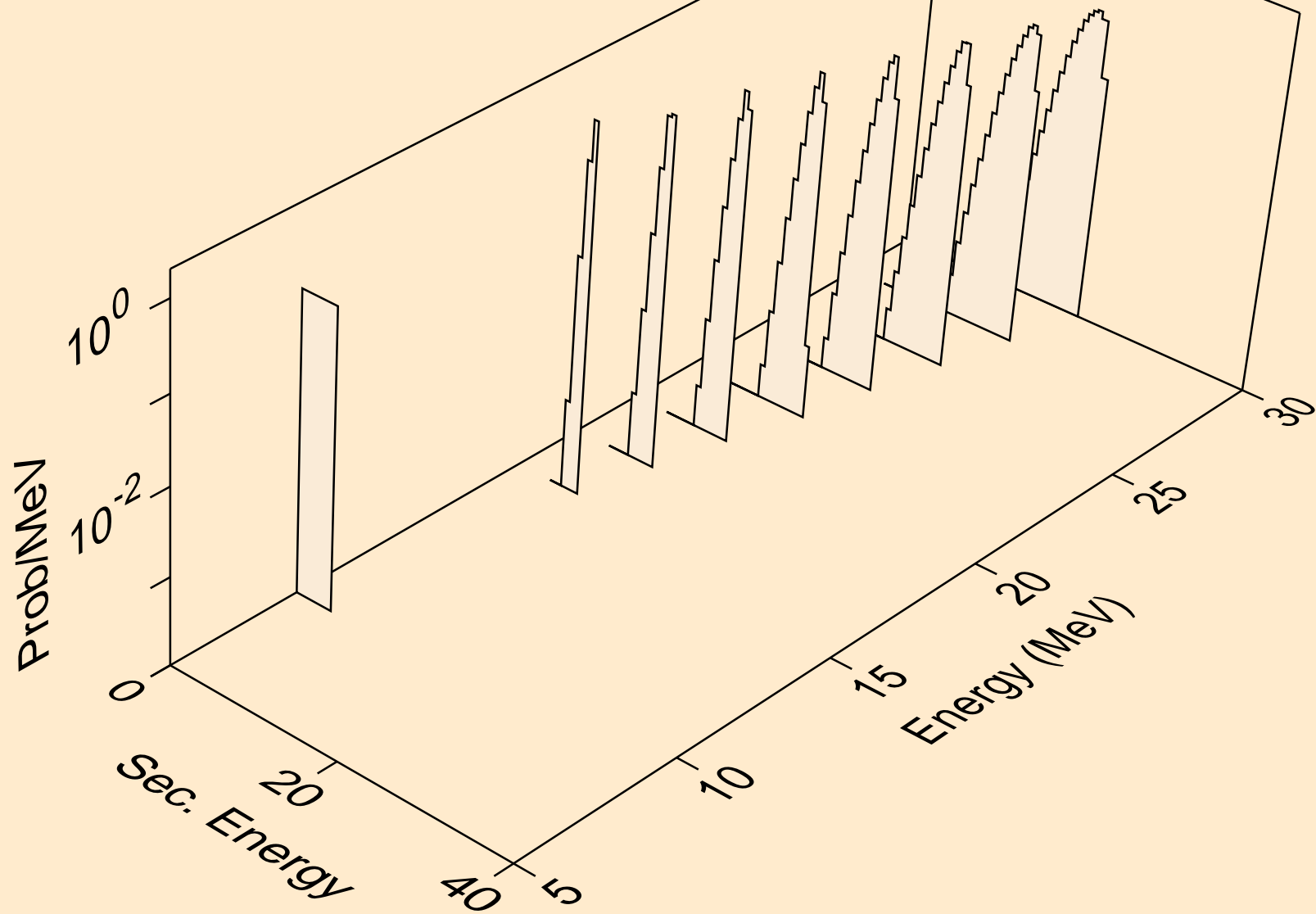
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tritons from (n,pt)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

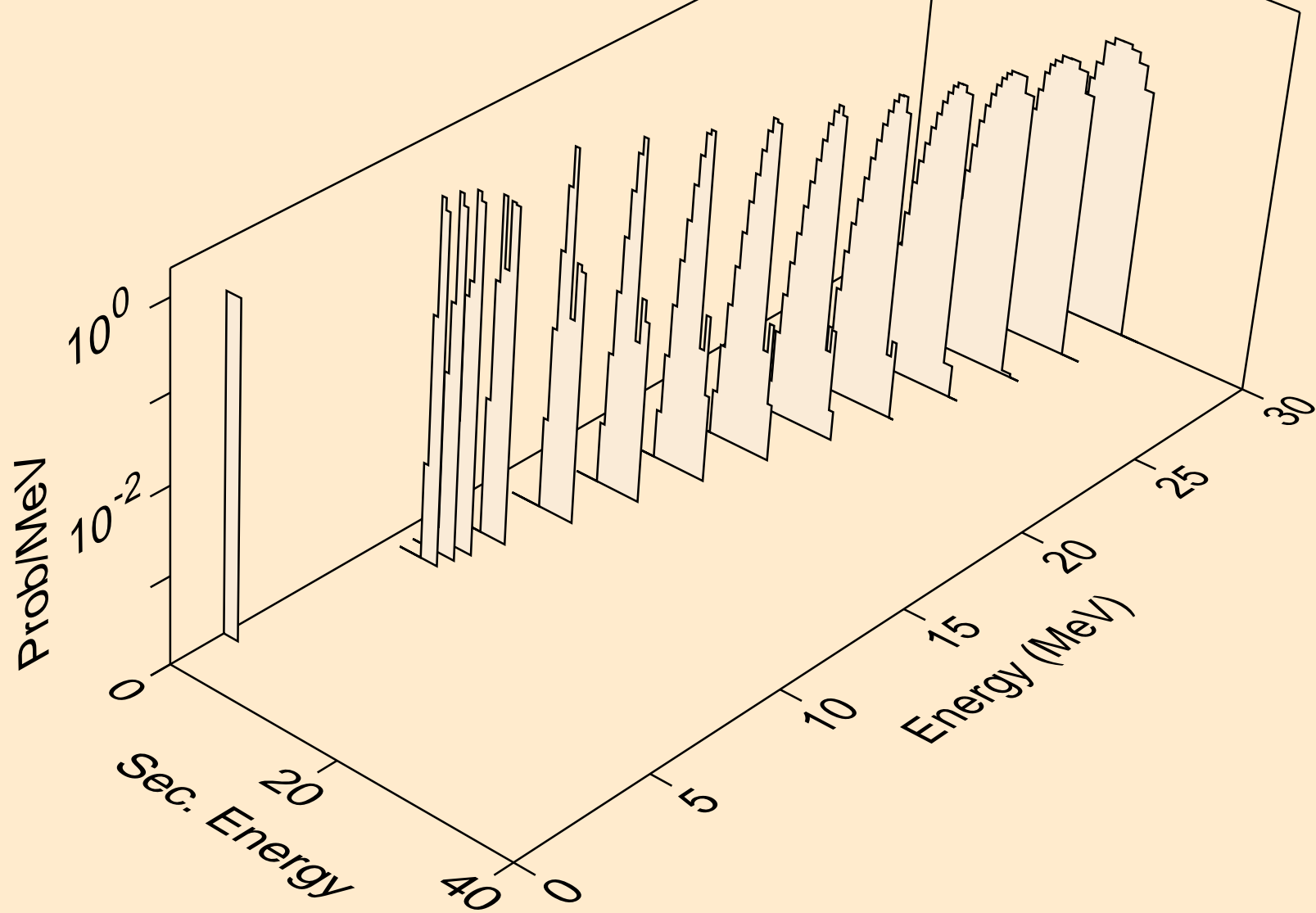


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he3s from (n,n\*)he3

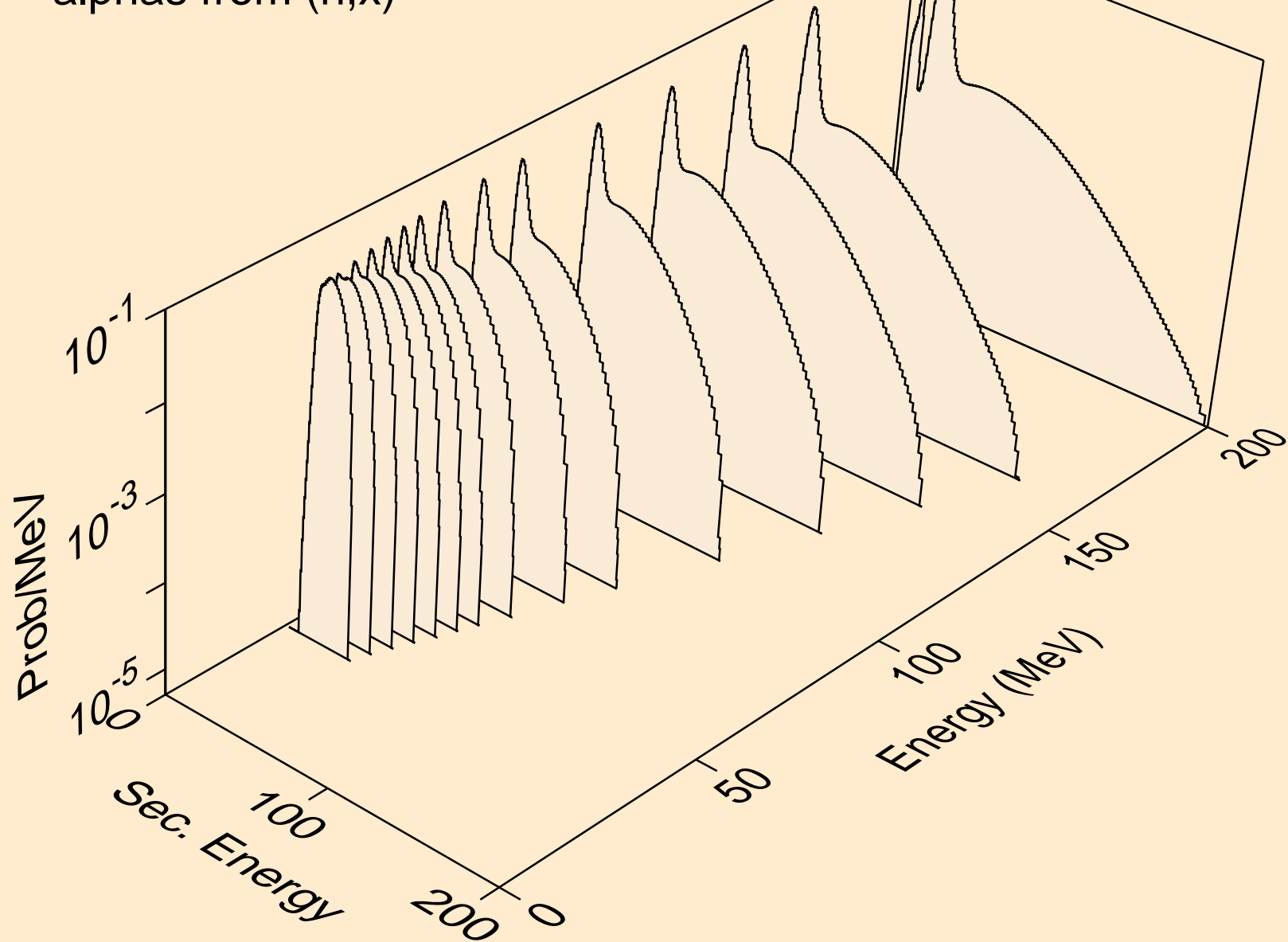




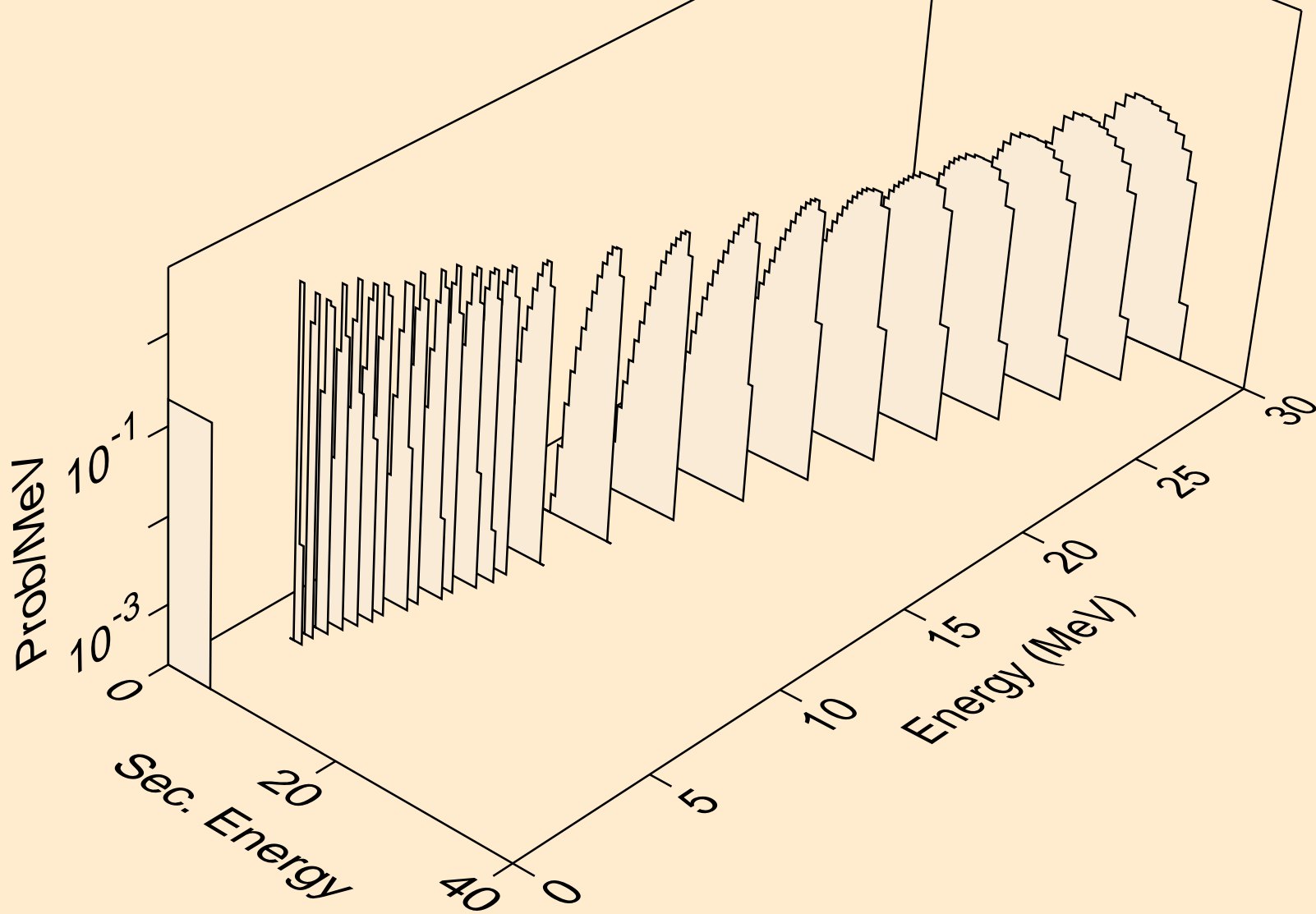
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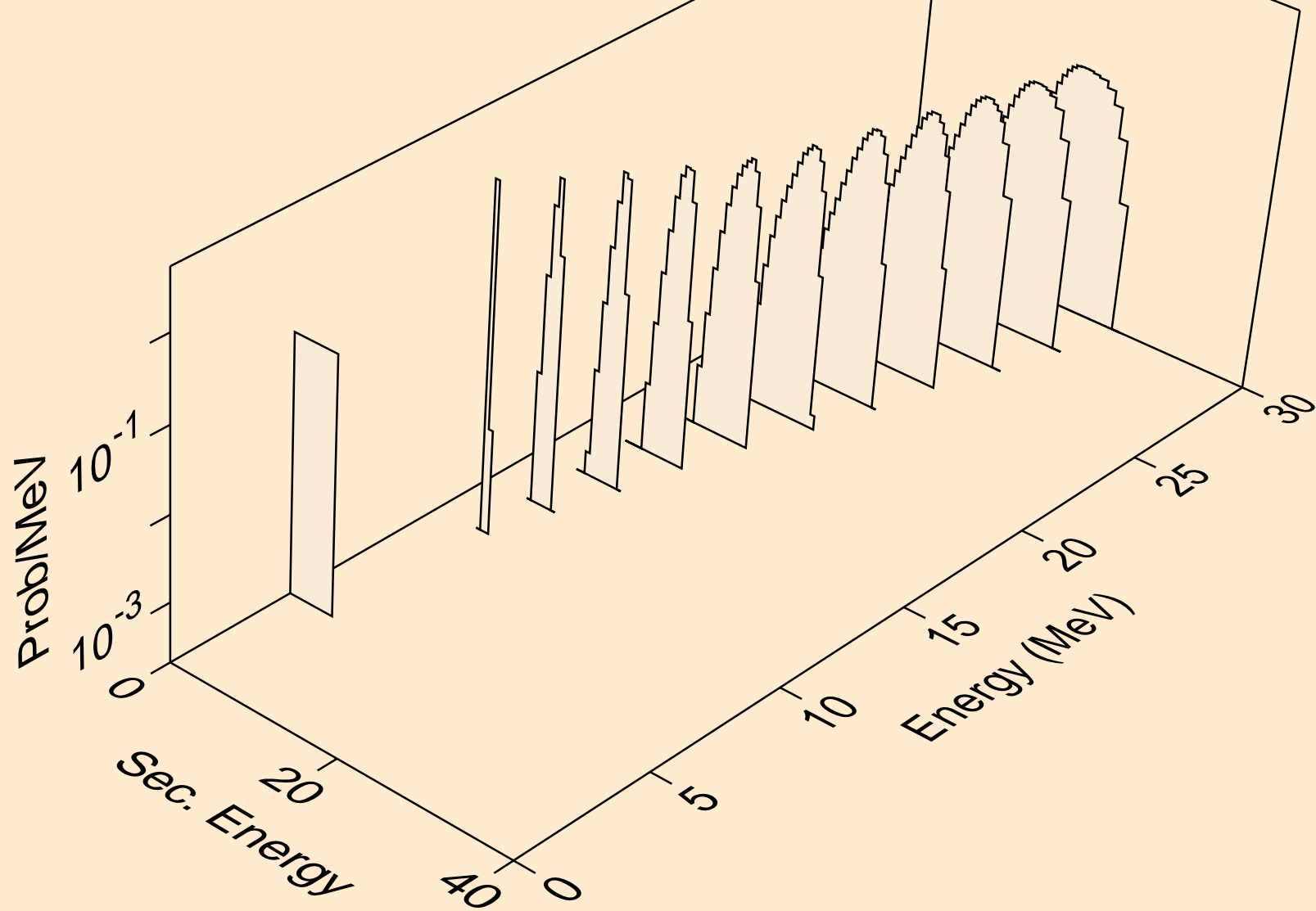
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alphas from (n,x)



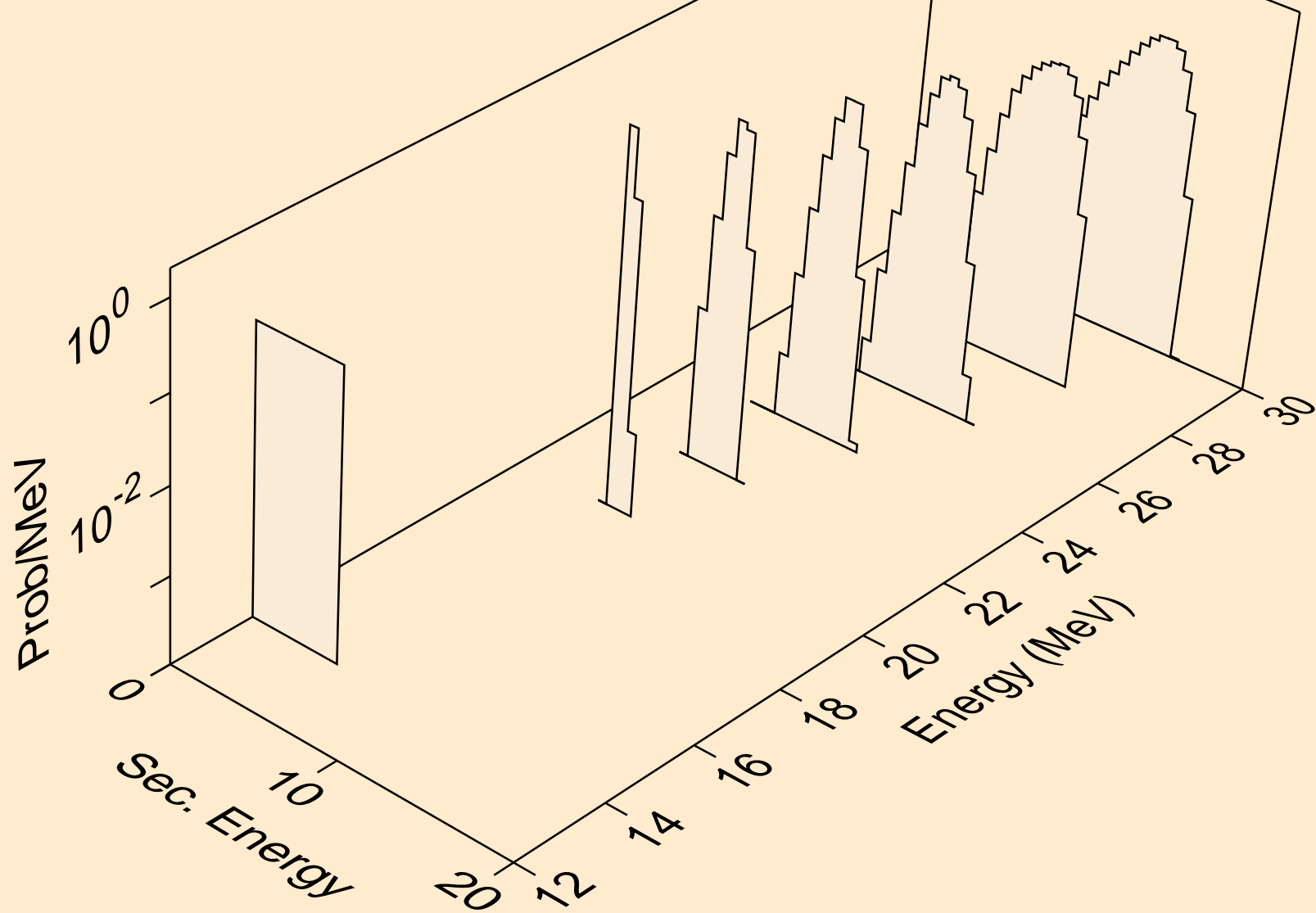
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alphas from (n,n\*)a



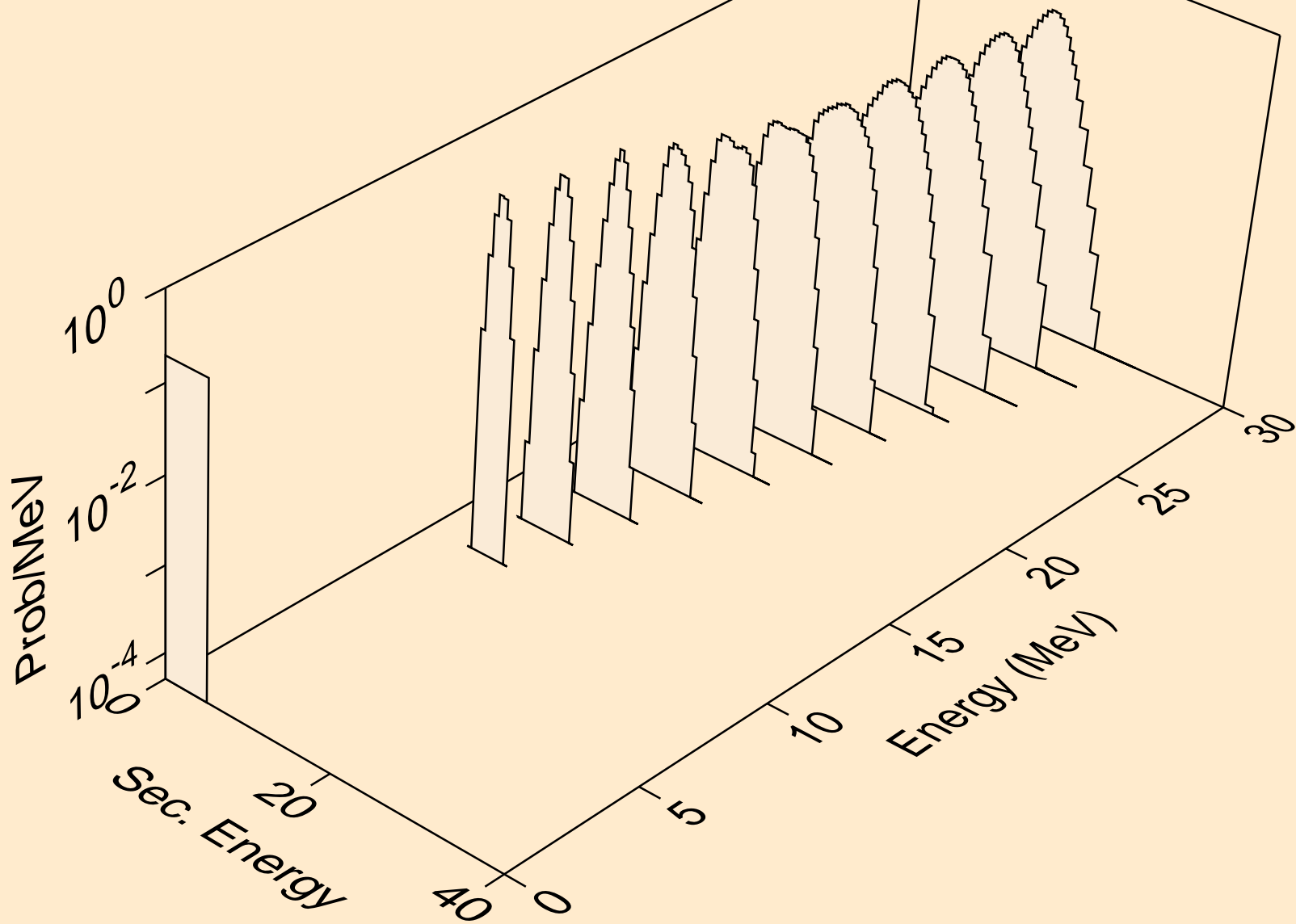
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alphas from (n,2n)a



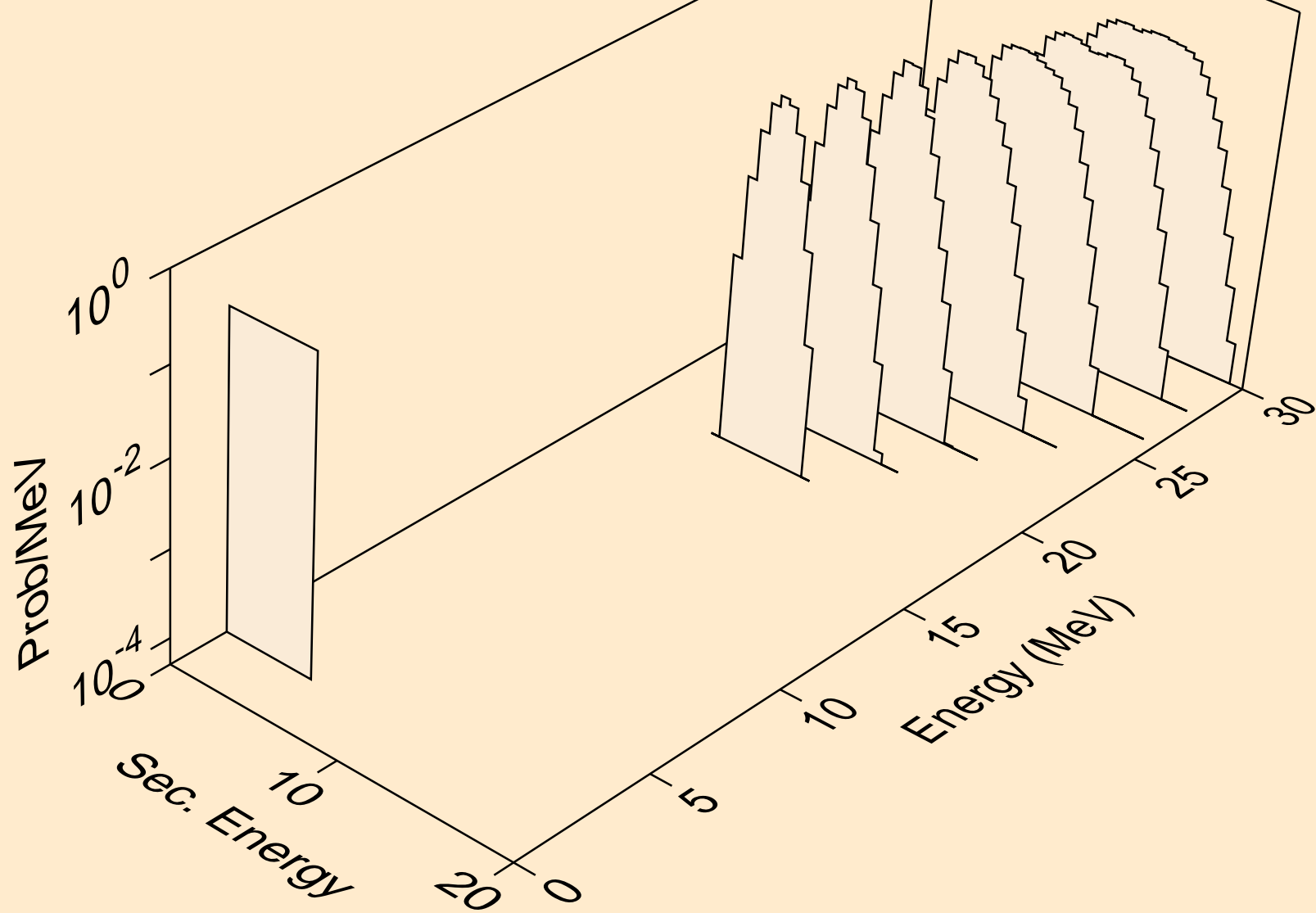
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



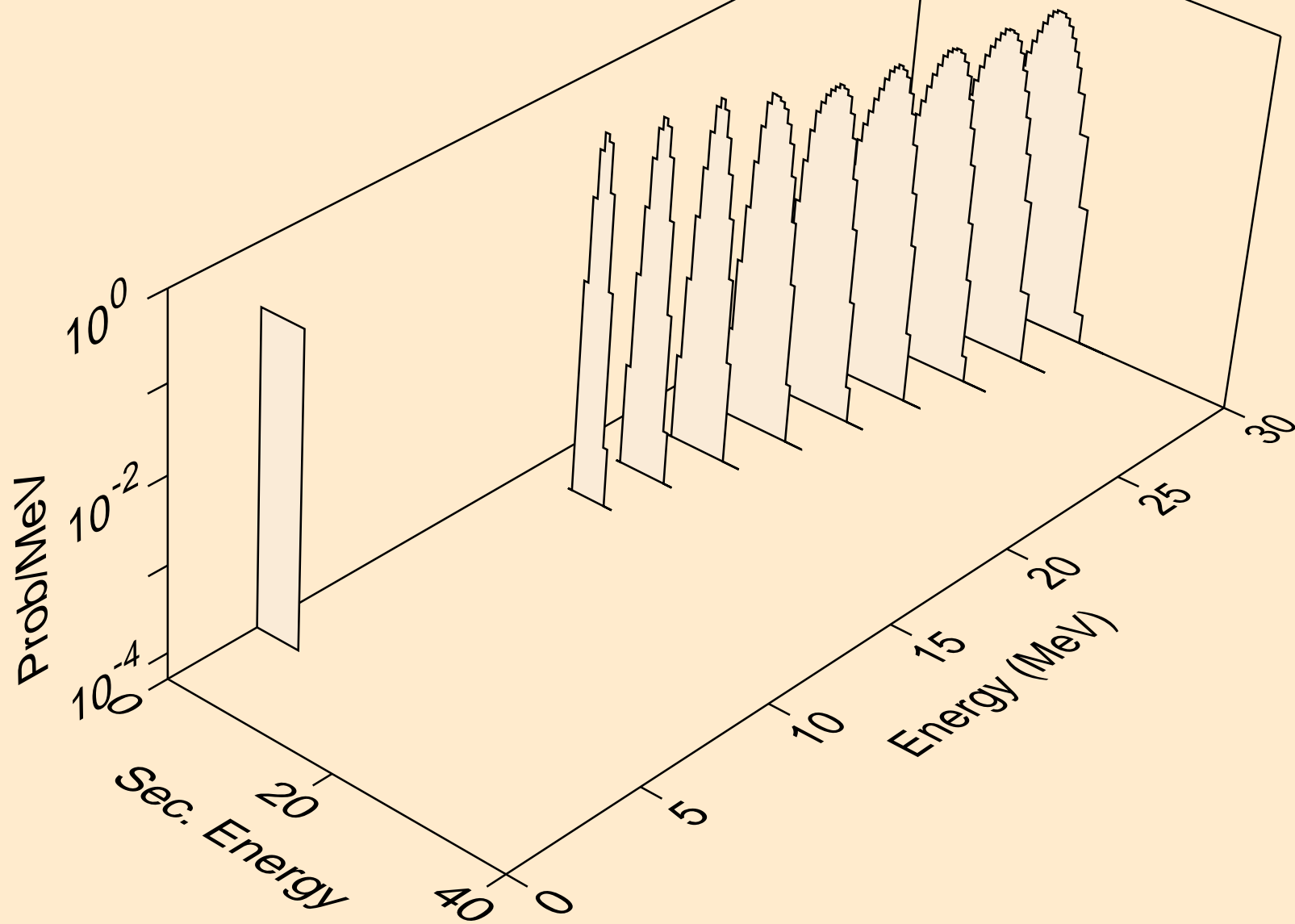
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

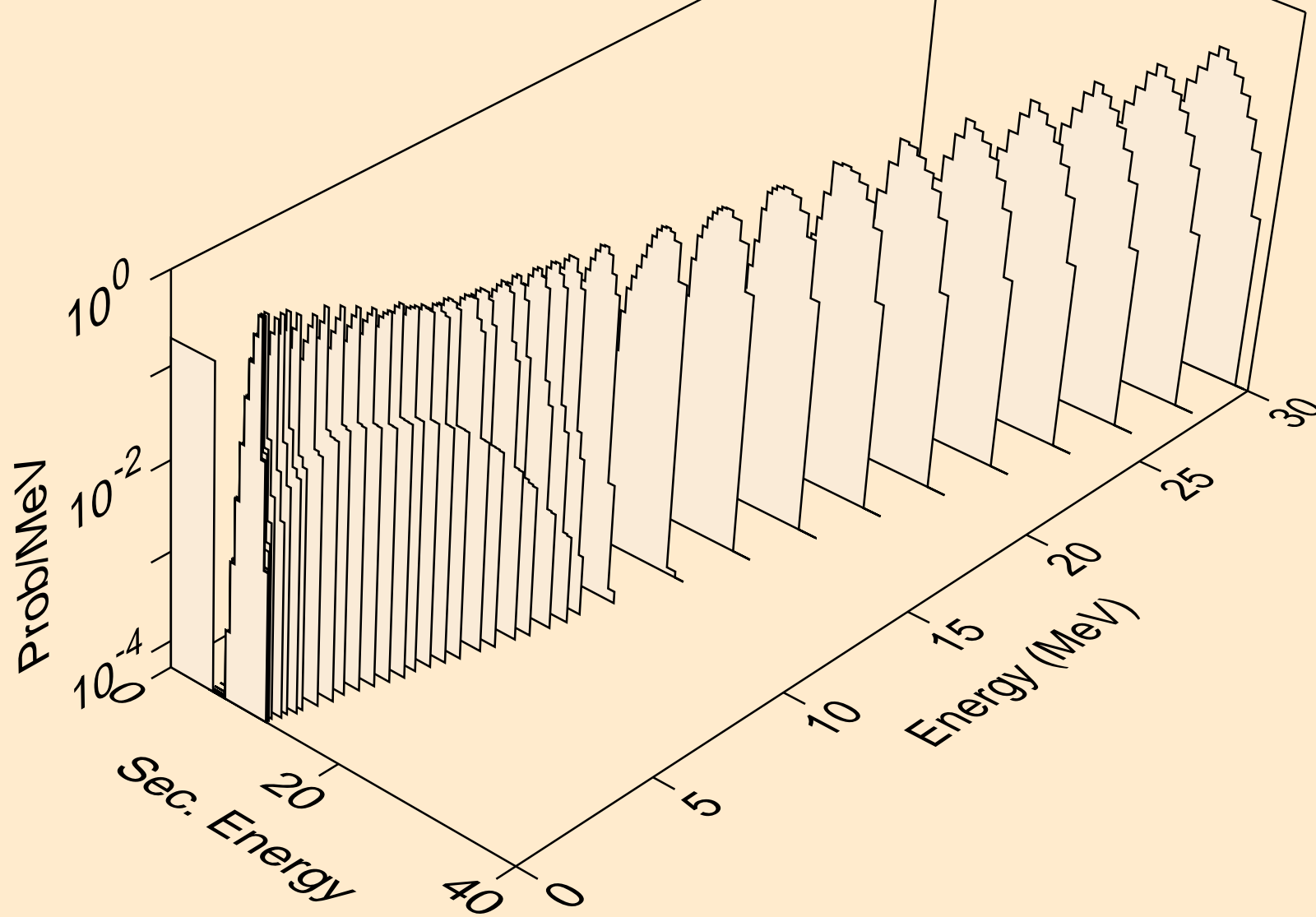


HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

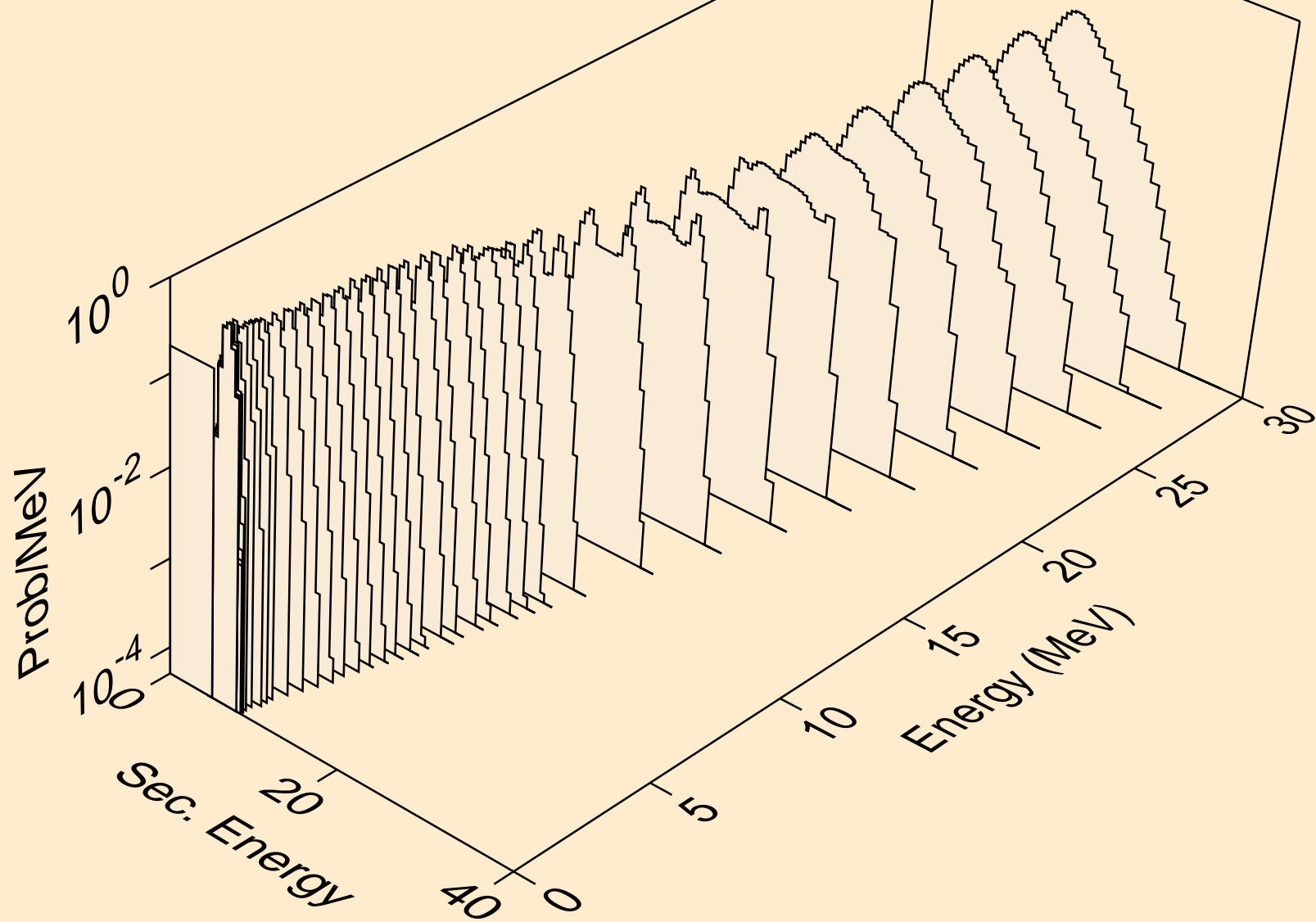




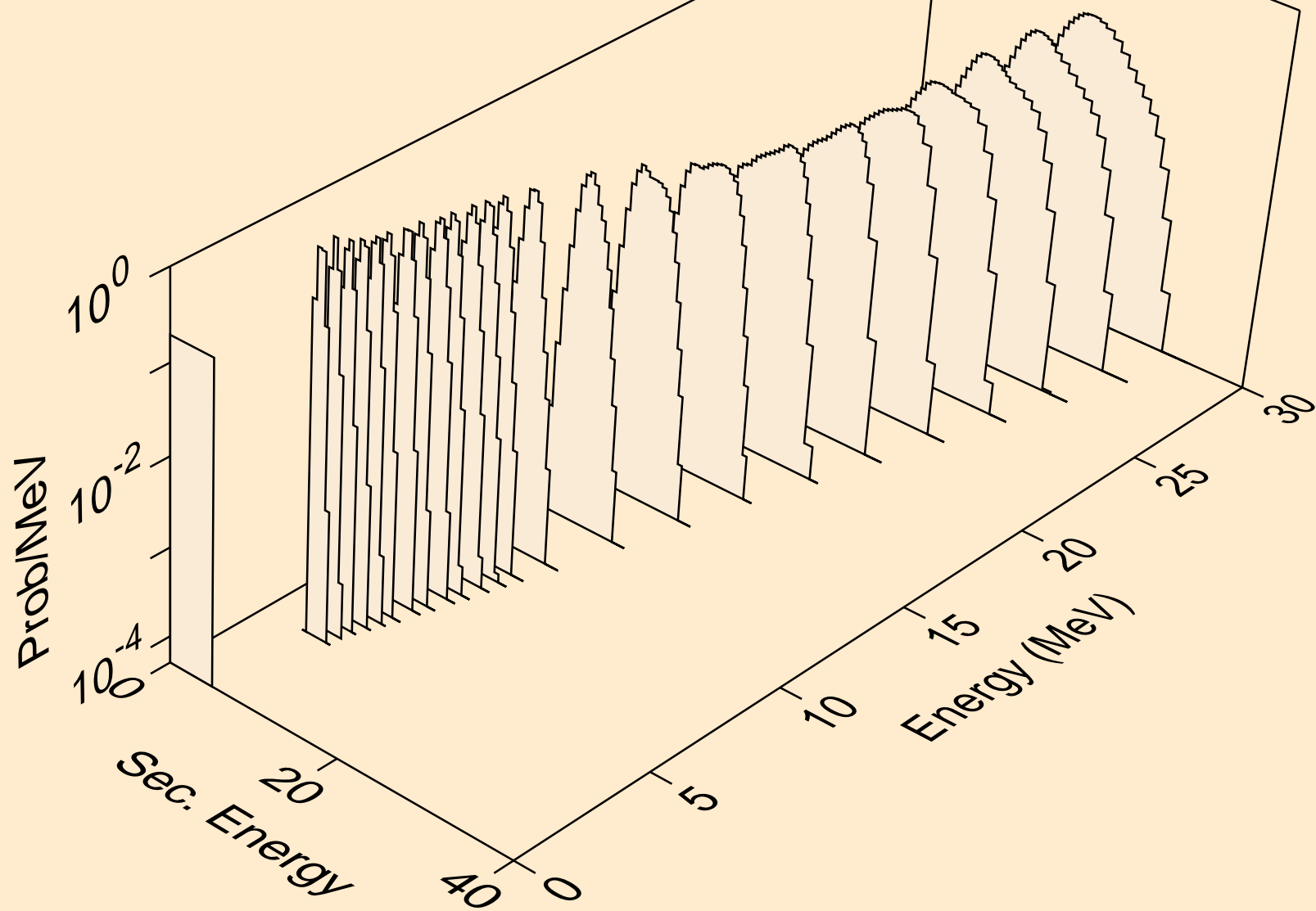
HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HF171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

