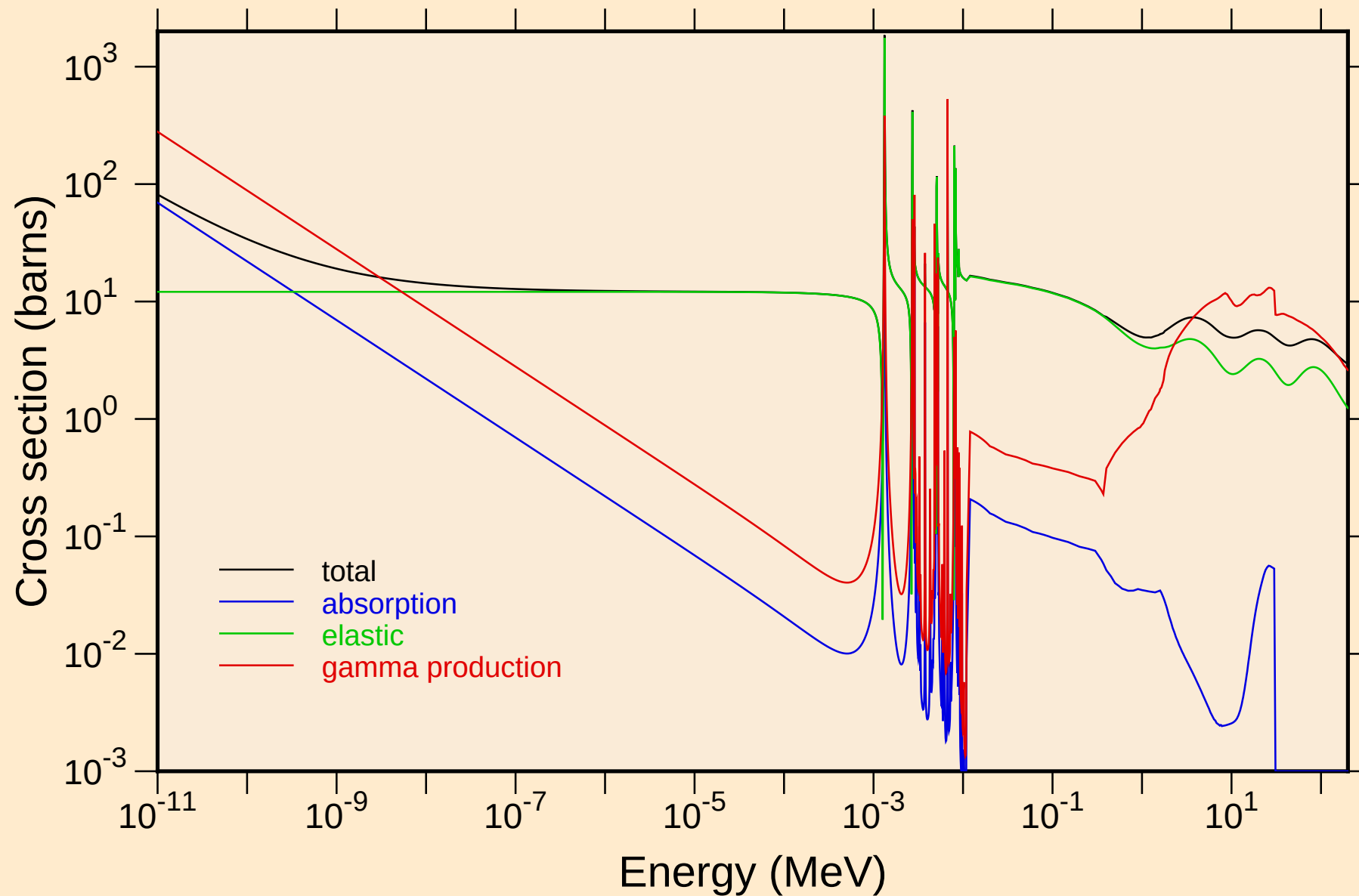
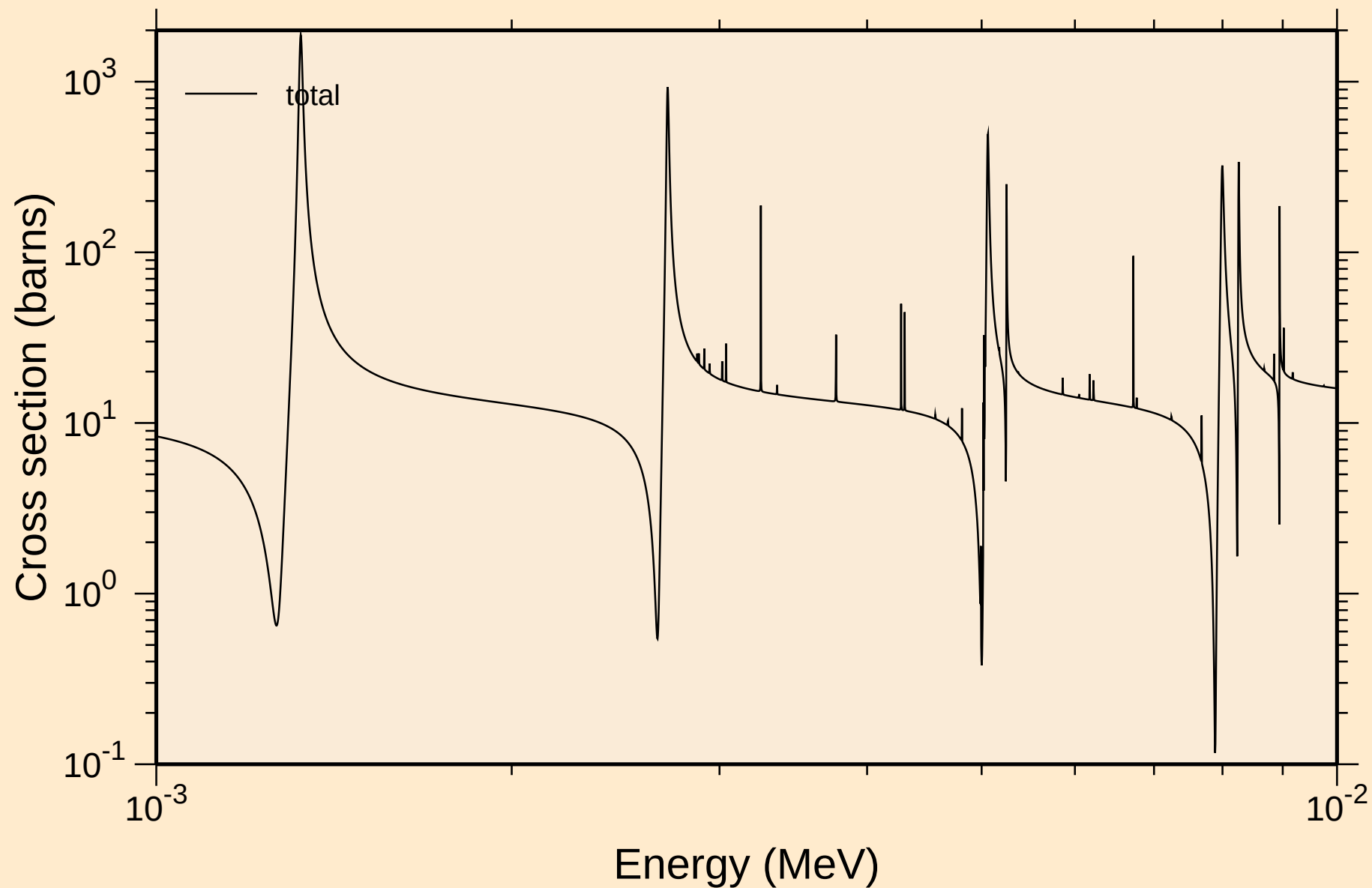


# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

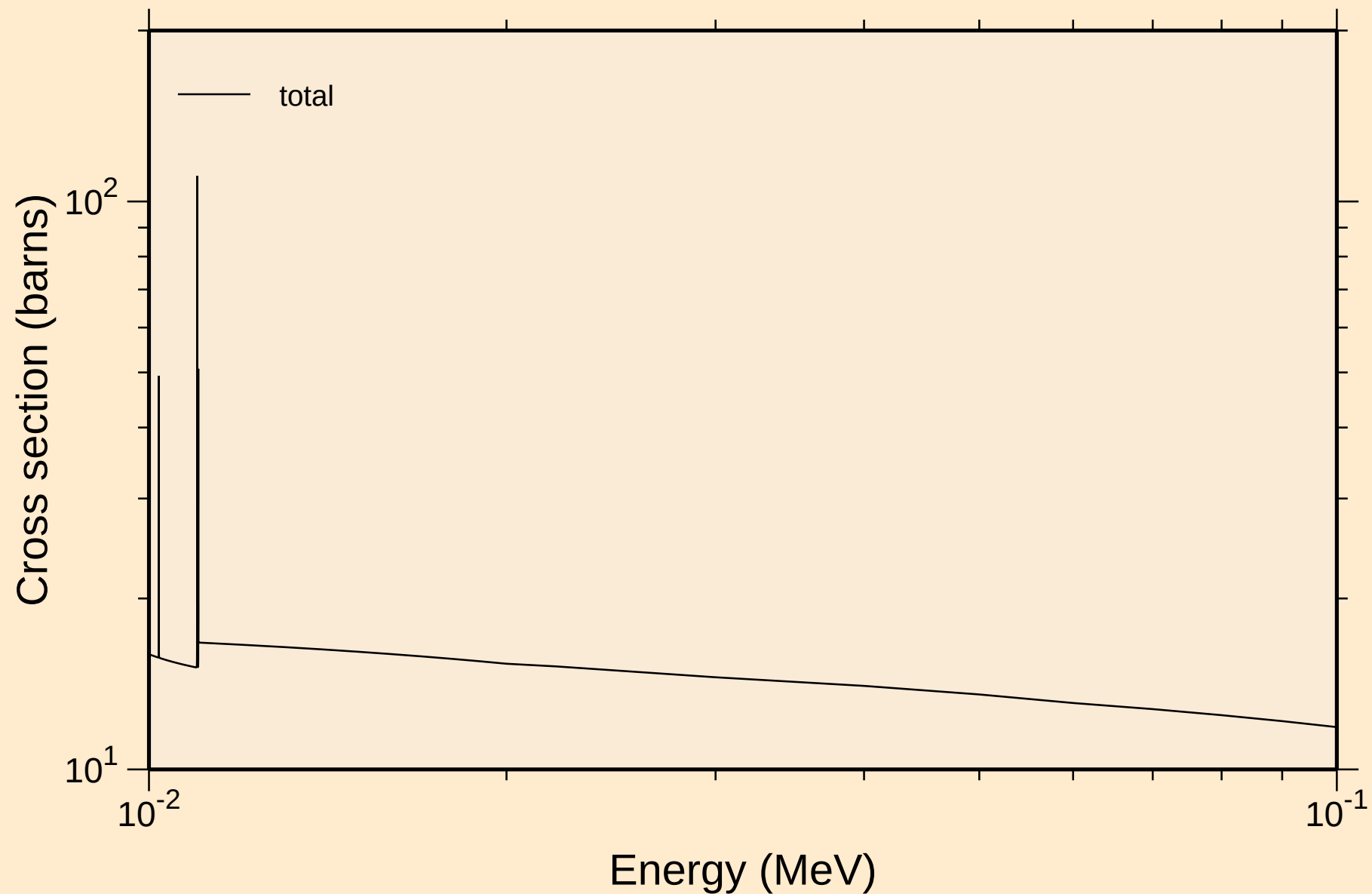
## Principal cross sections



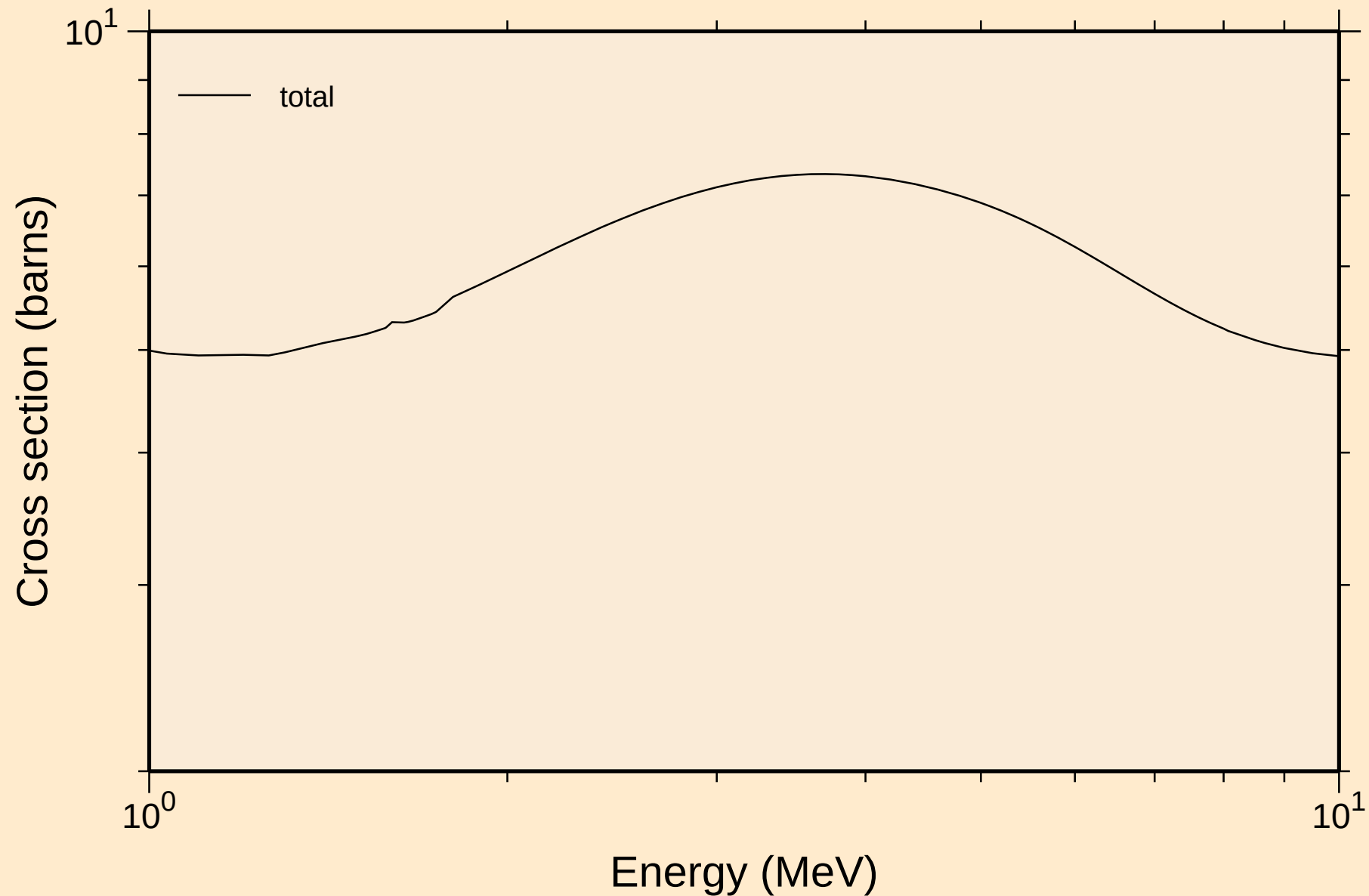
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



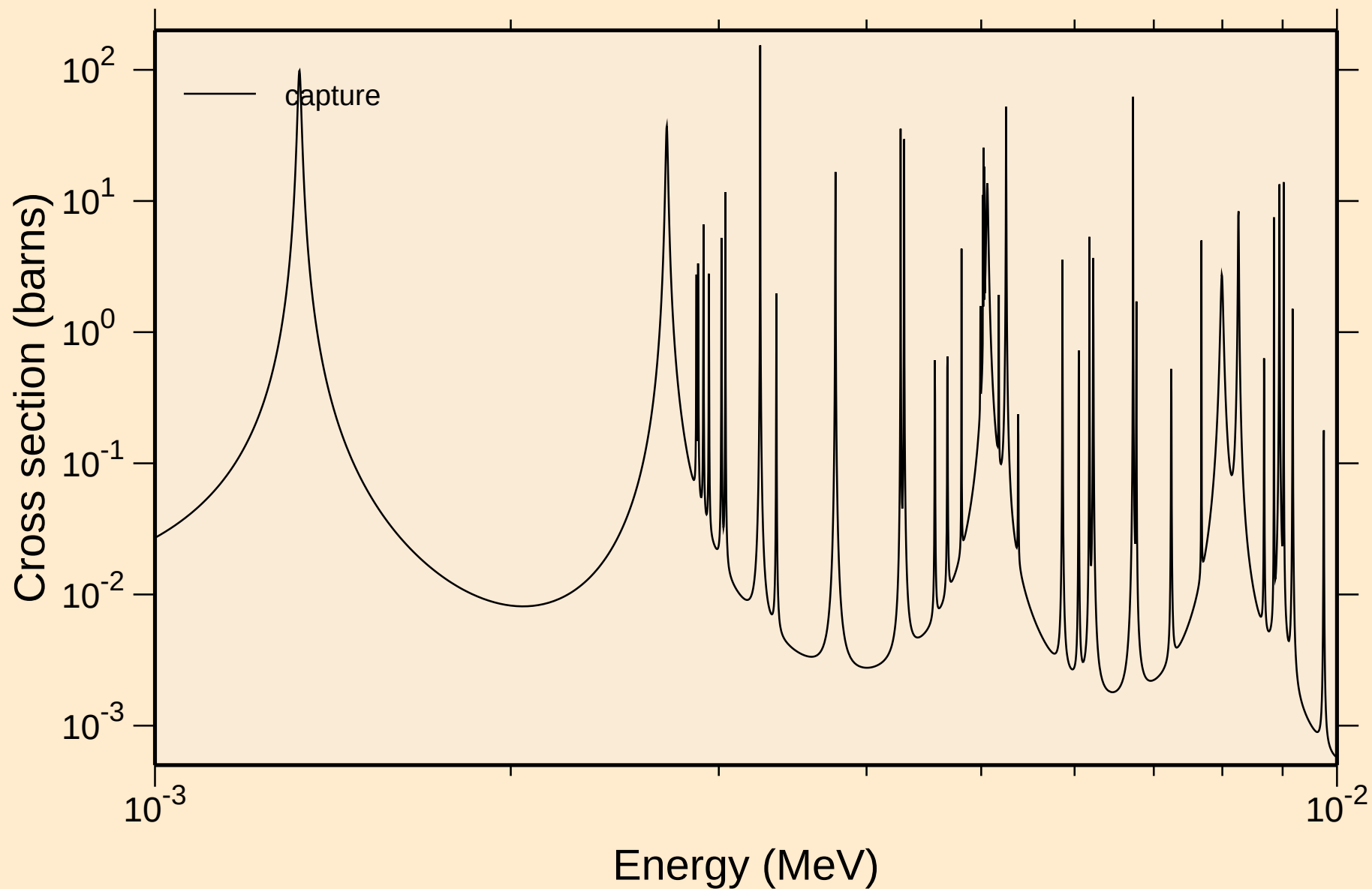
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



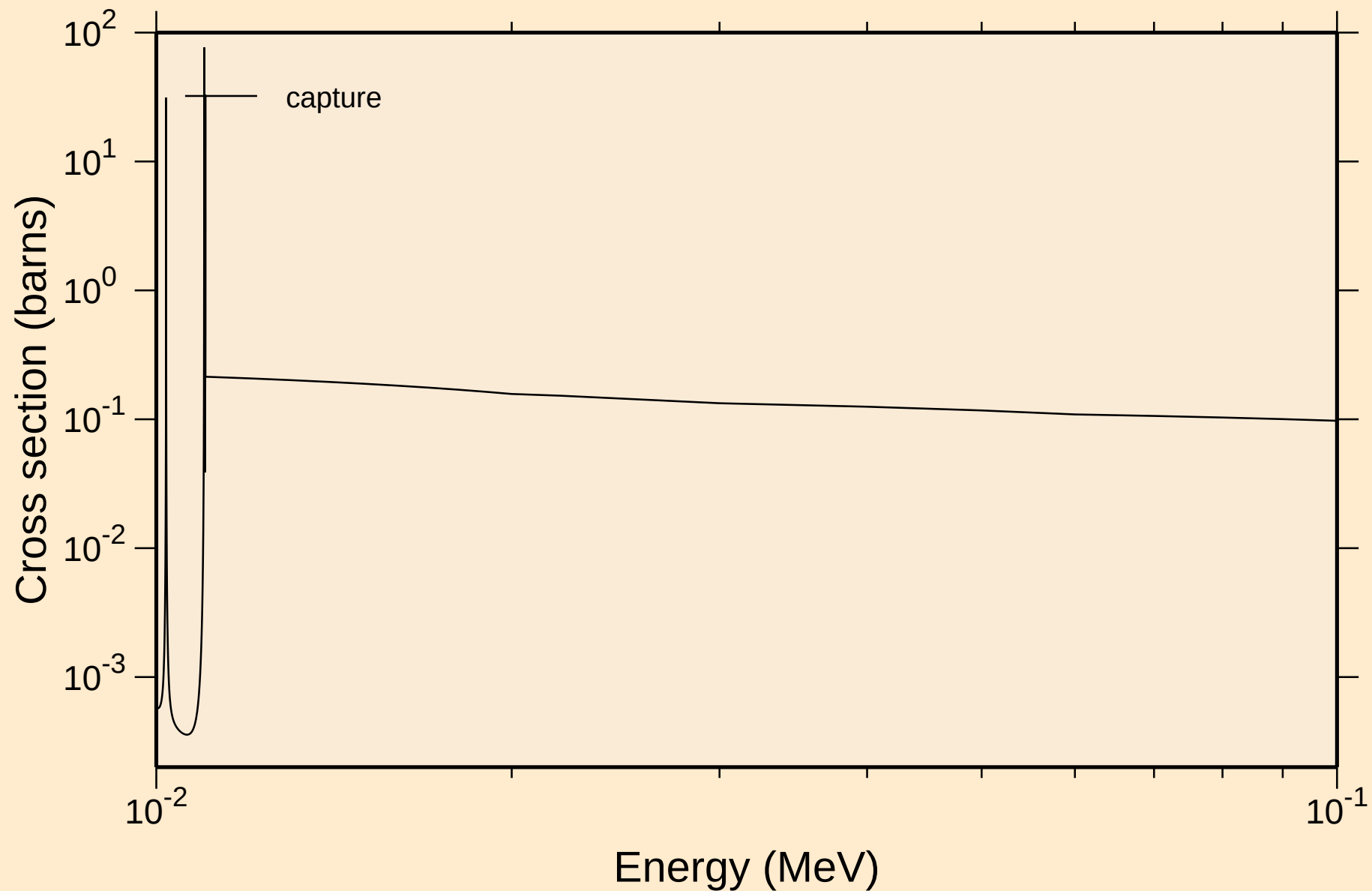
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



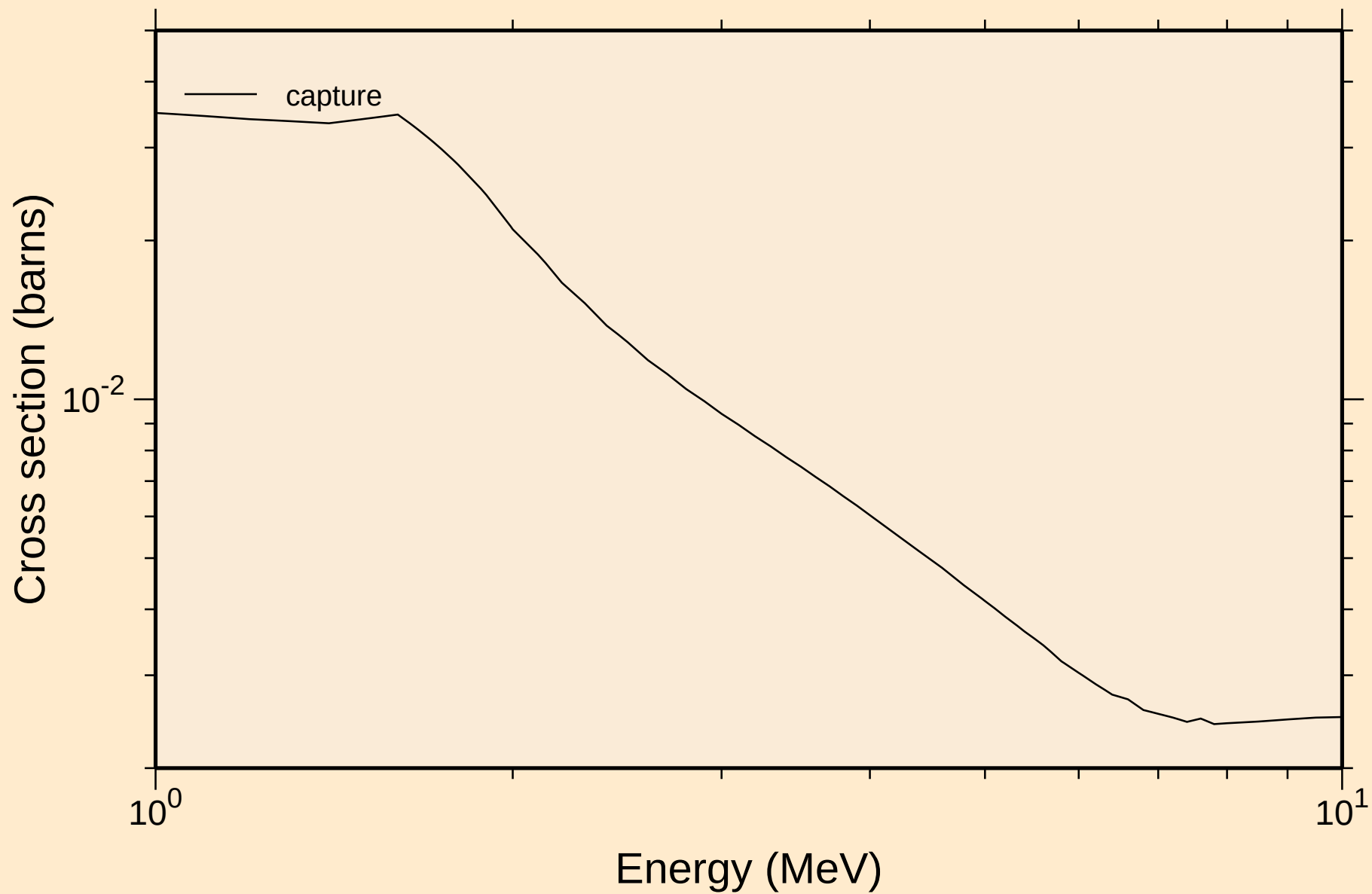
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

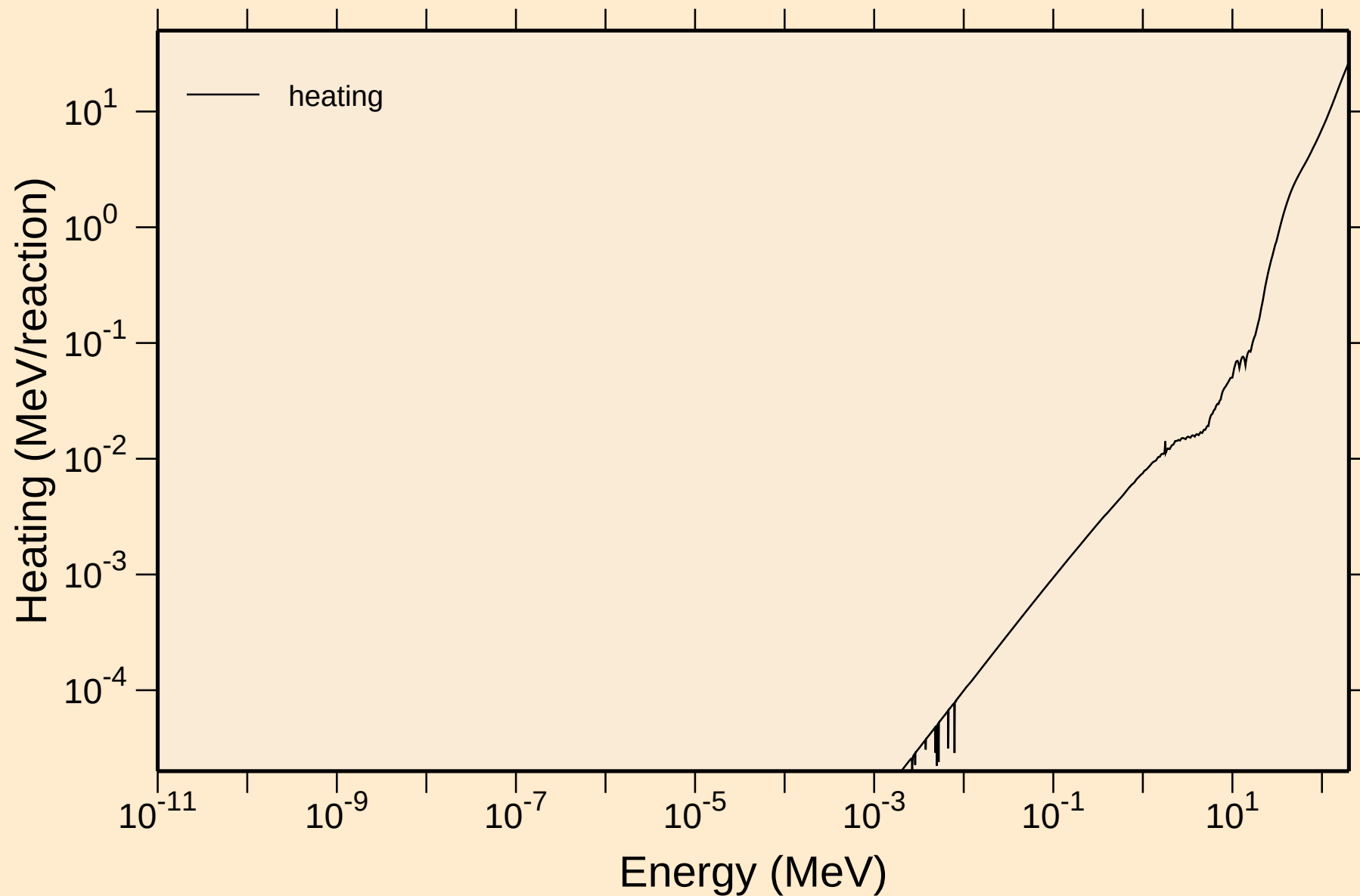


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

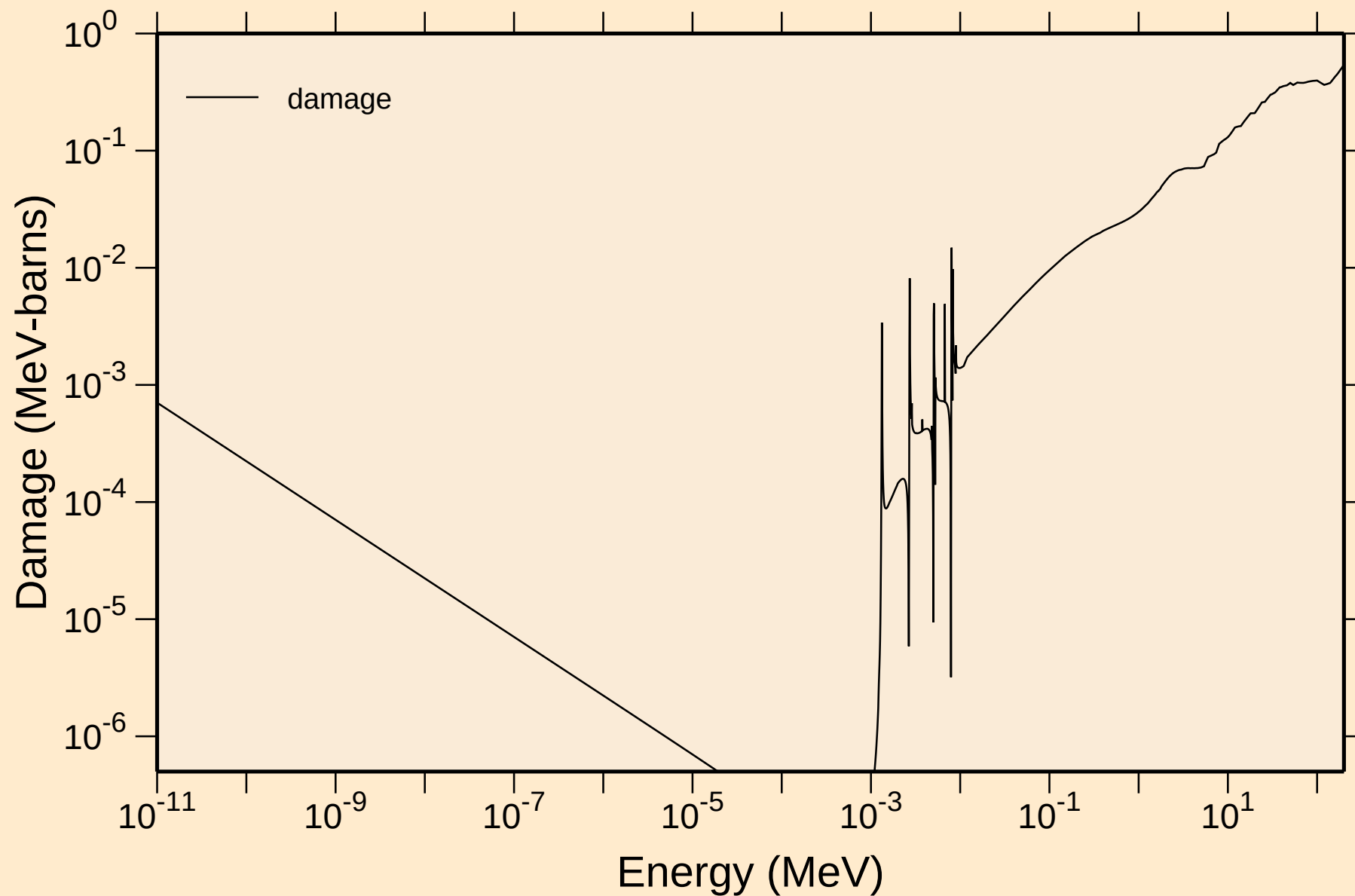
Heating





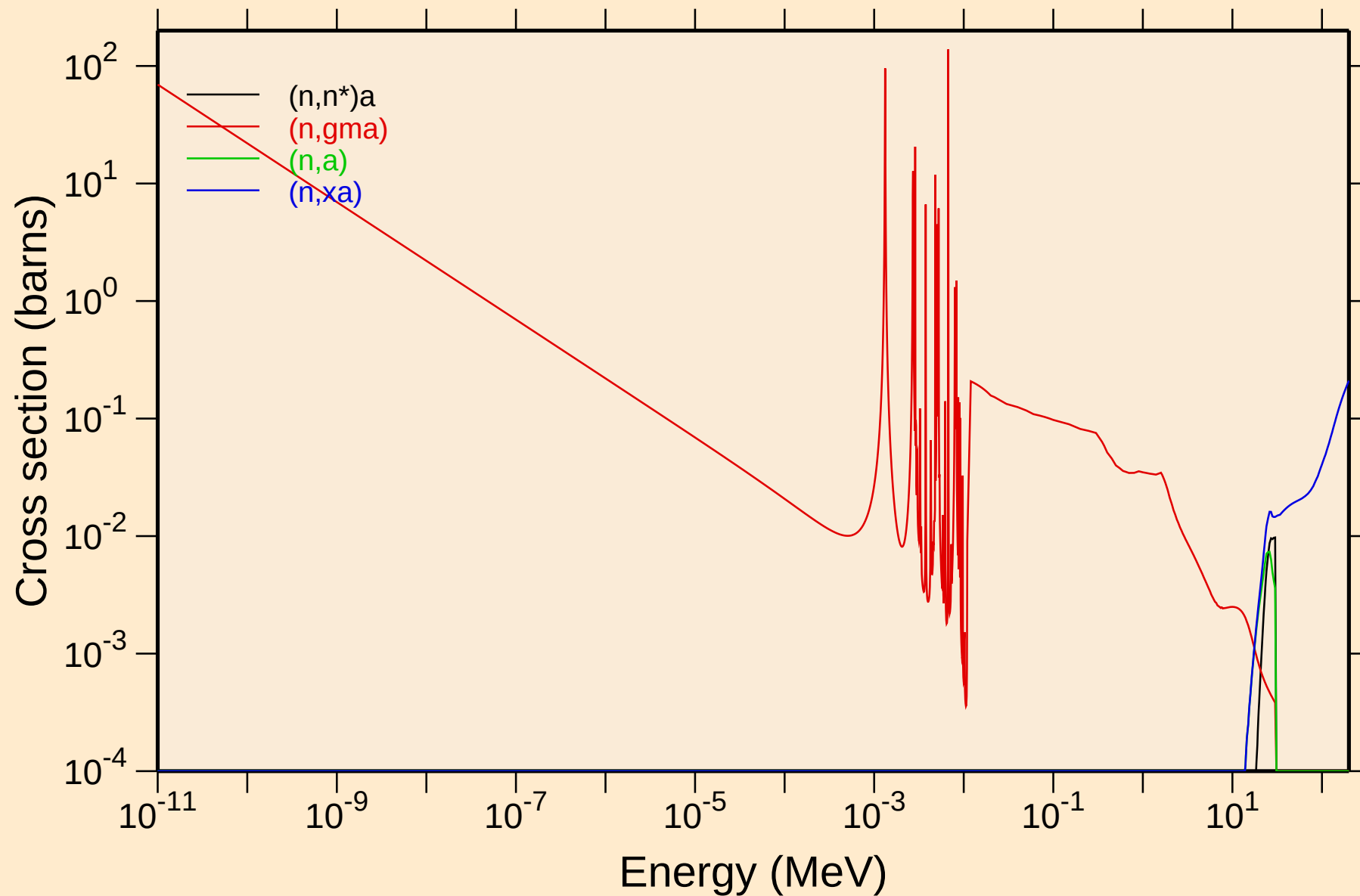
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



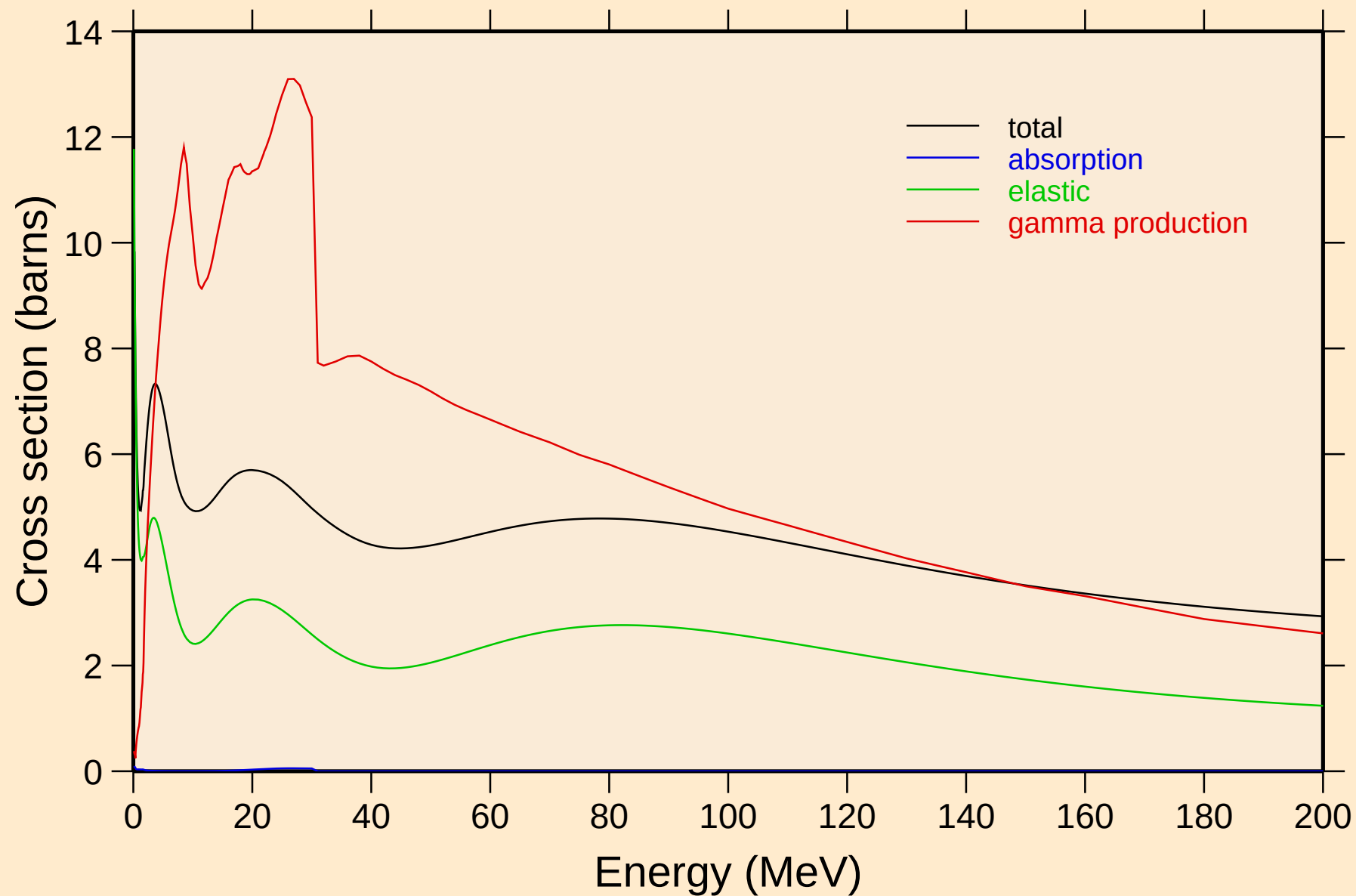
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



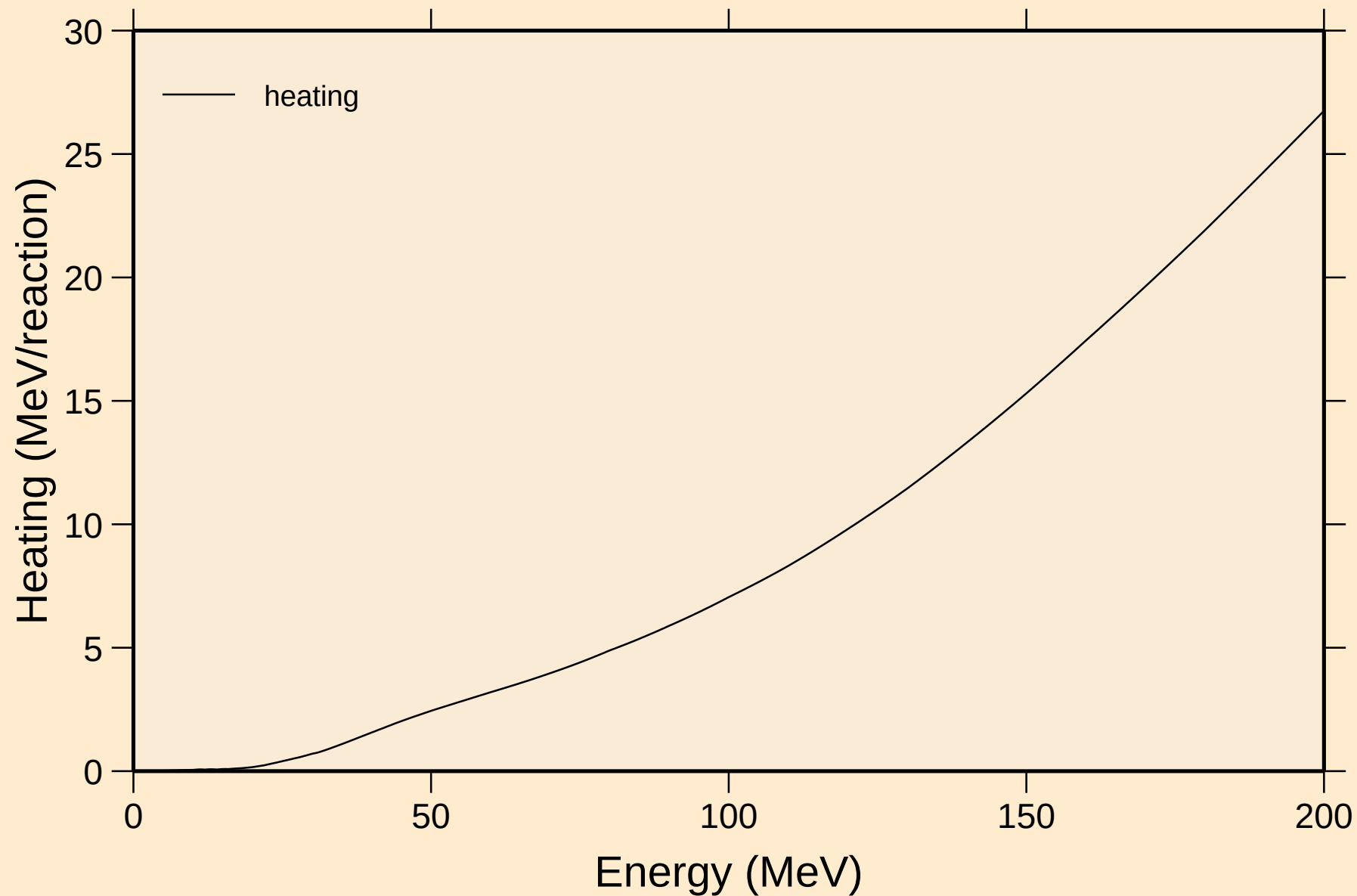
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



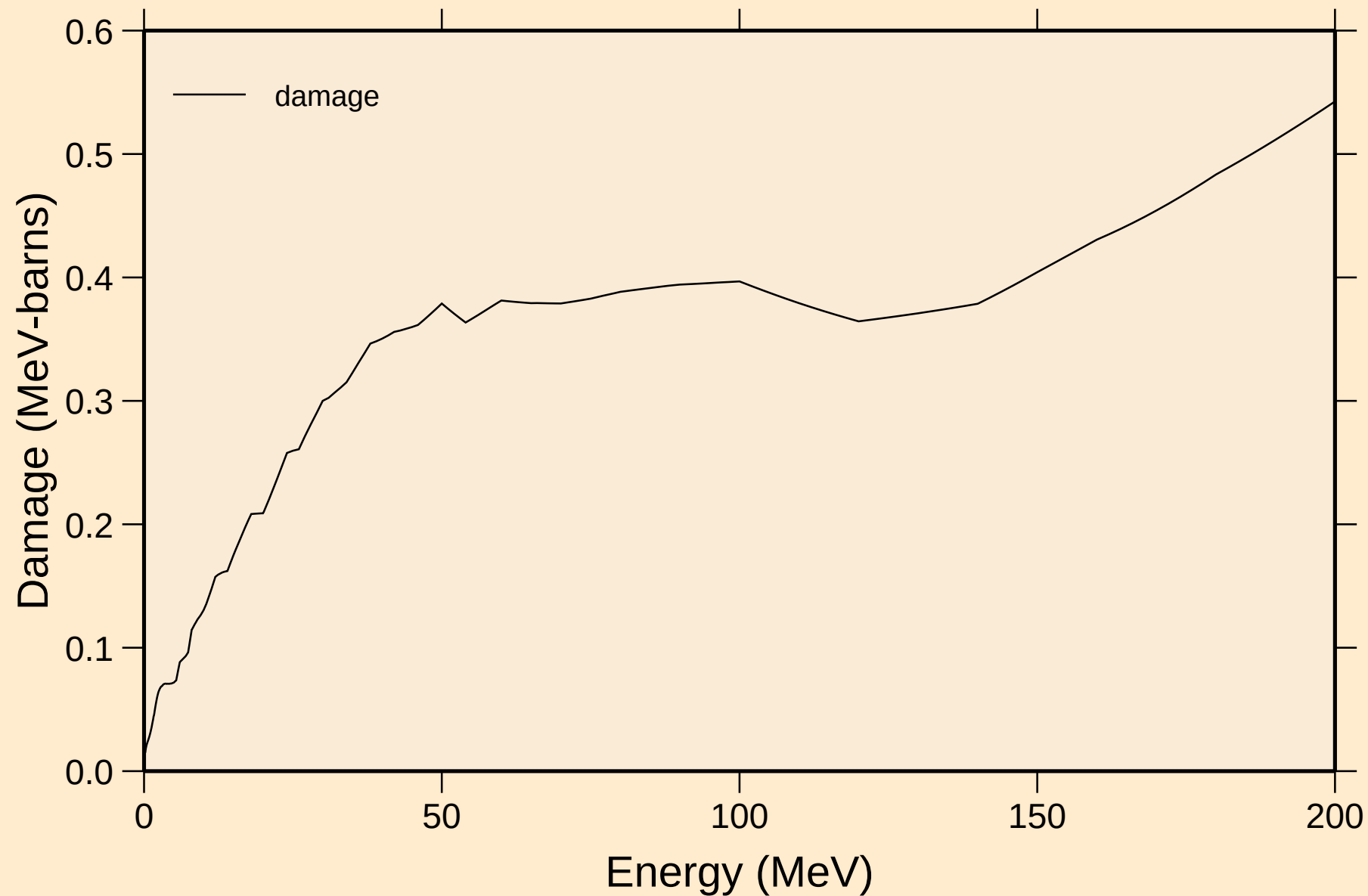
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Heating



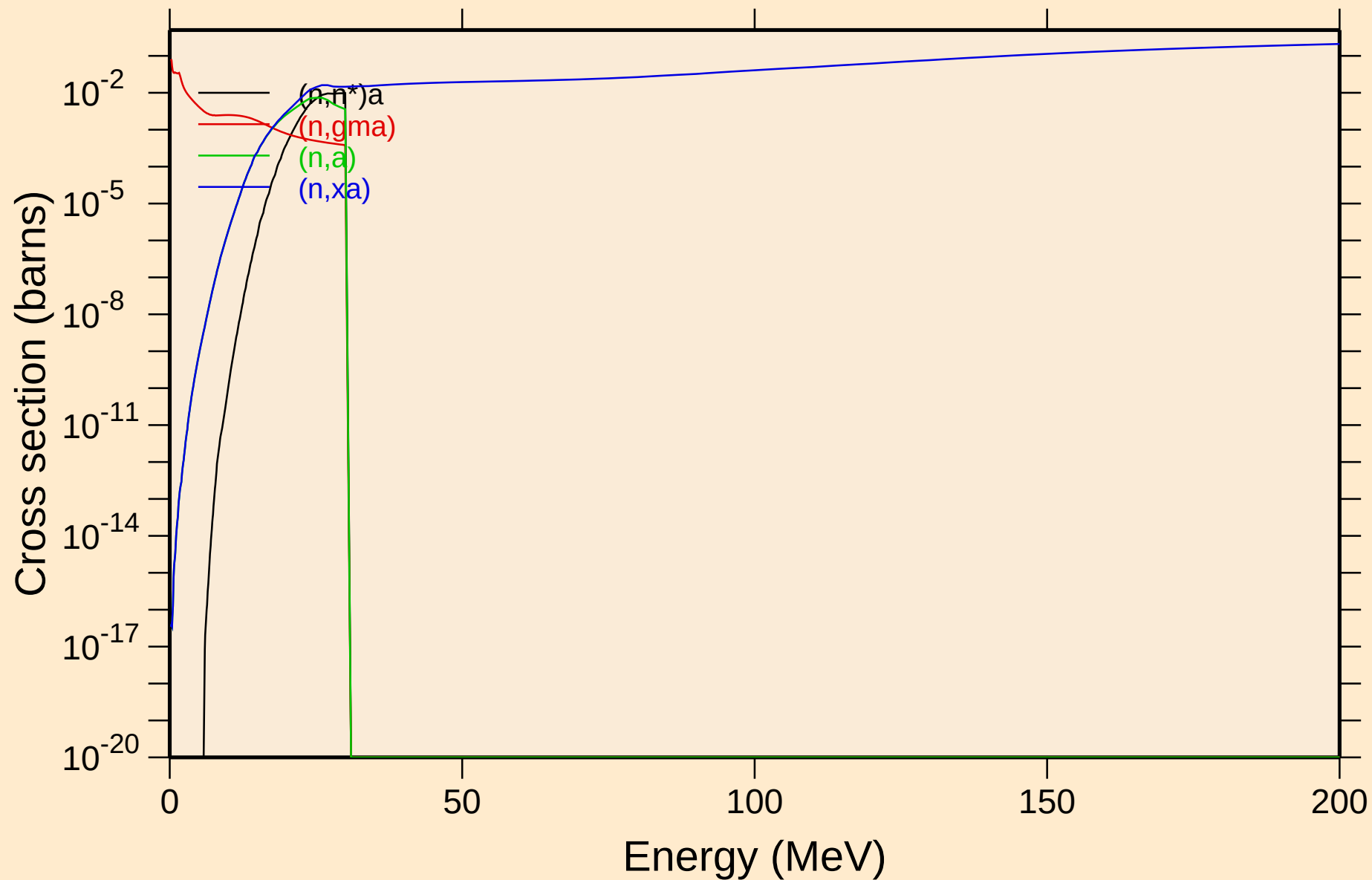
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Damage



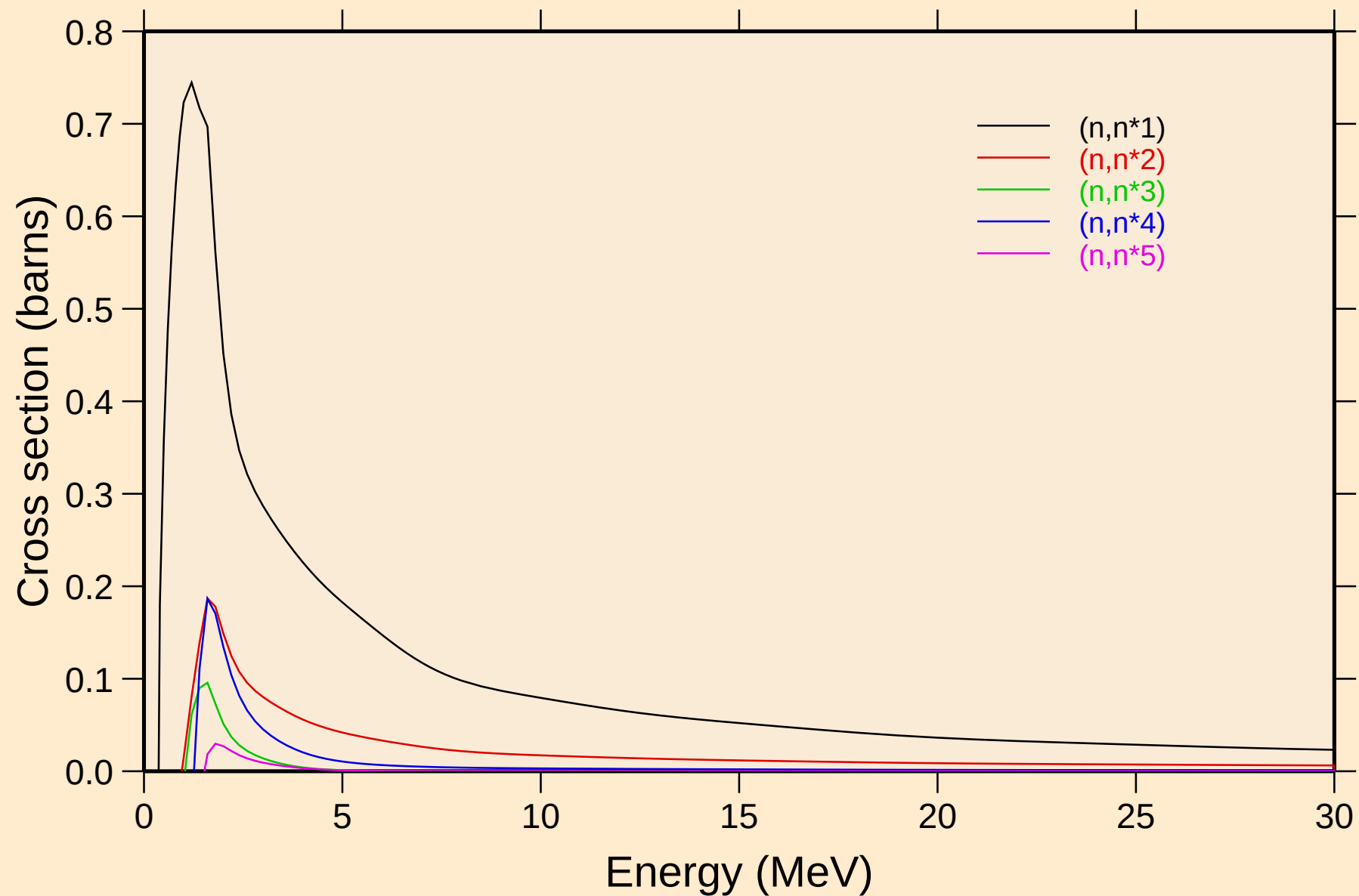
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



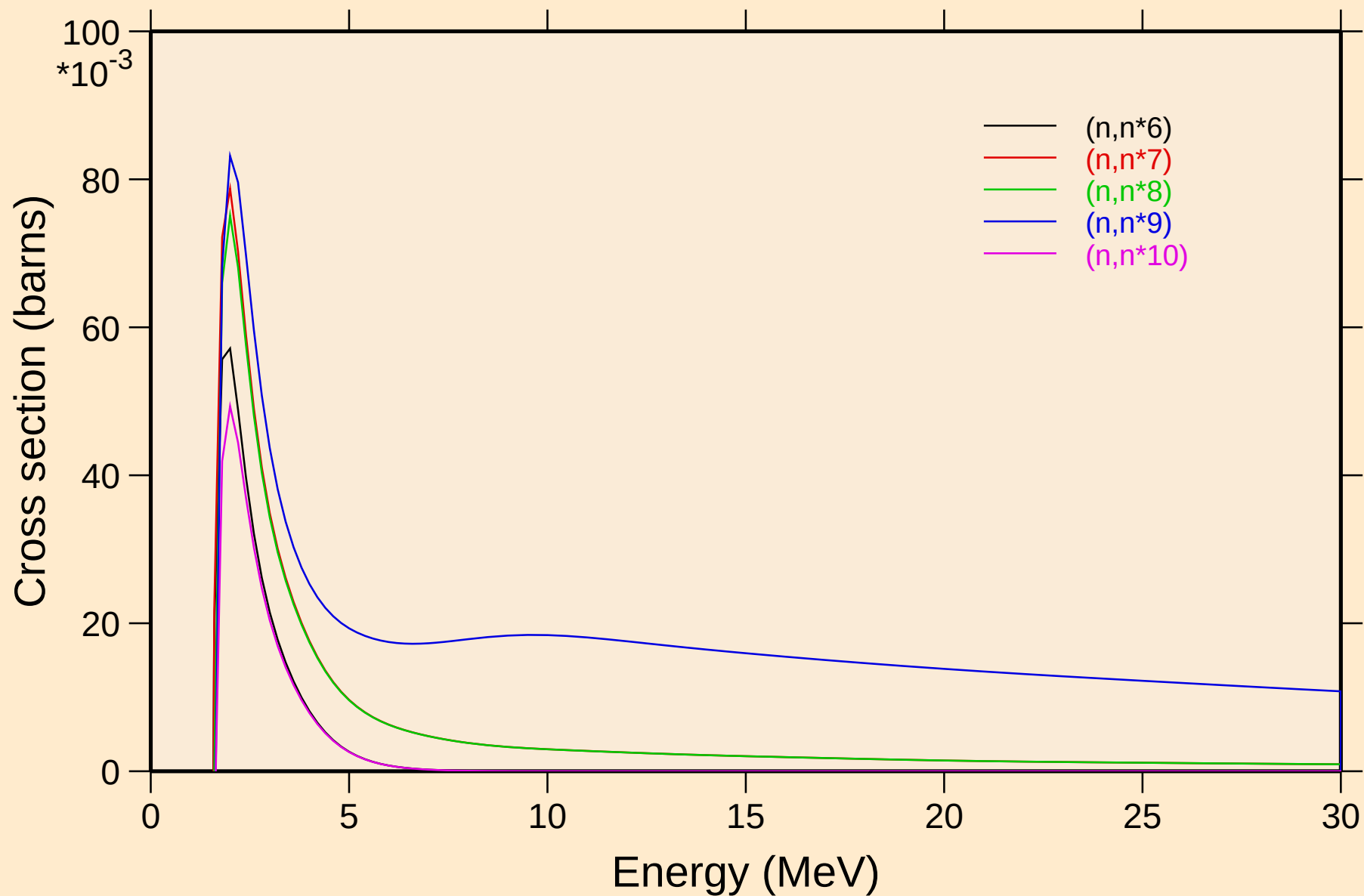
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

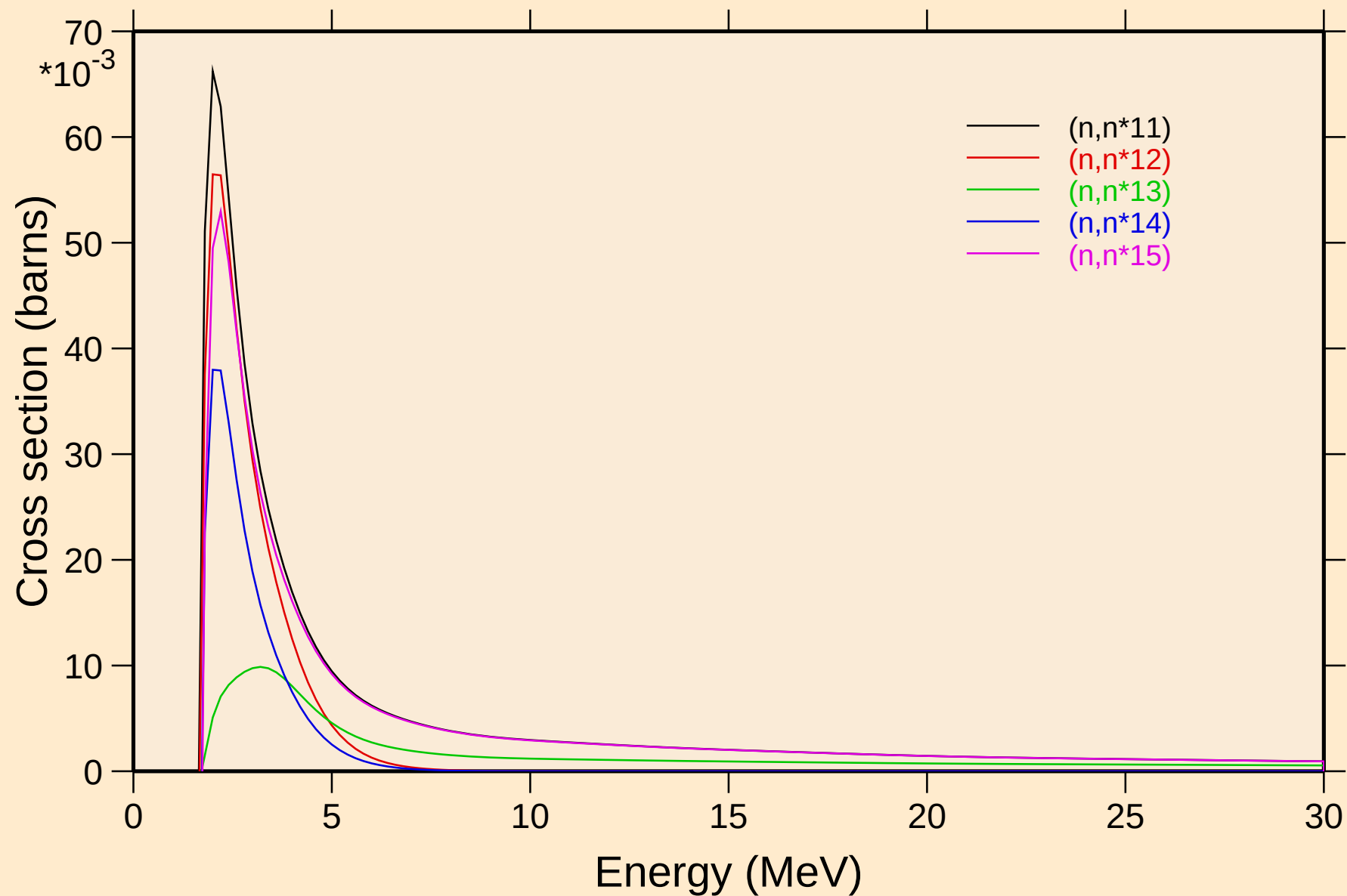
## Inelastic levels





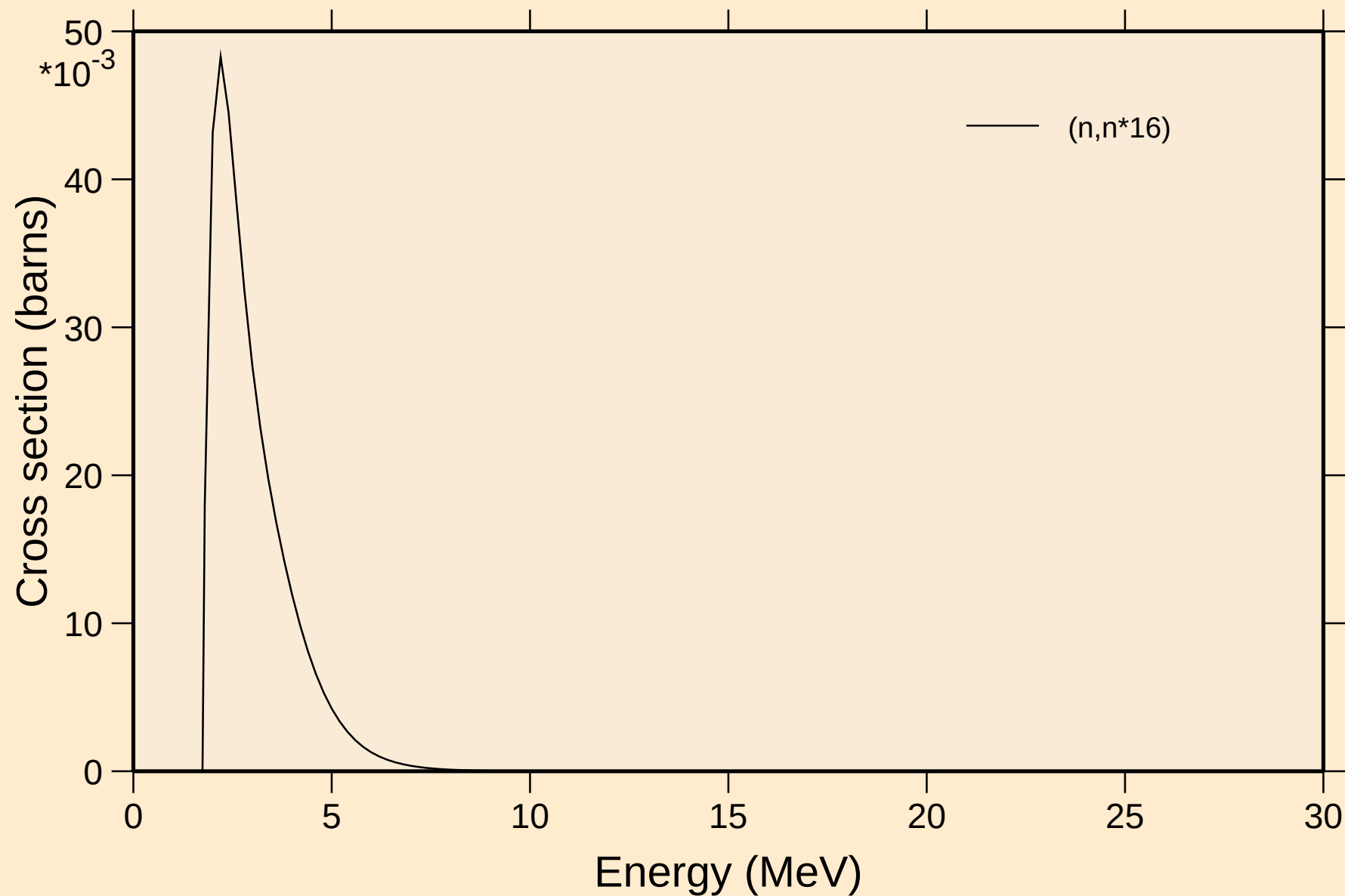
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



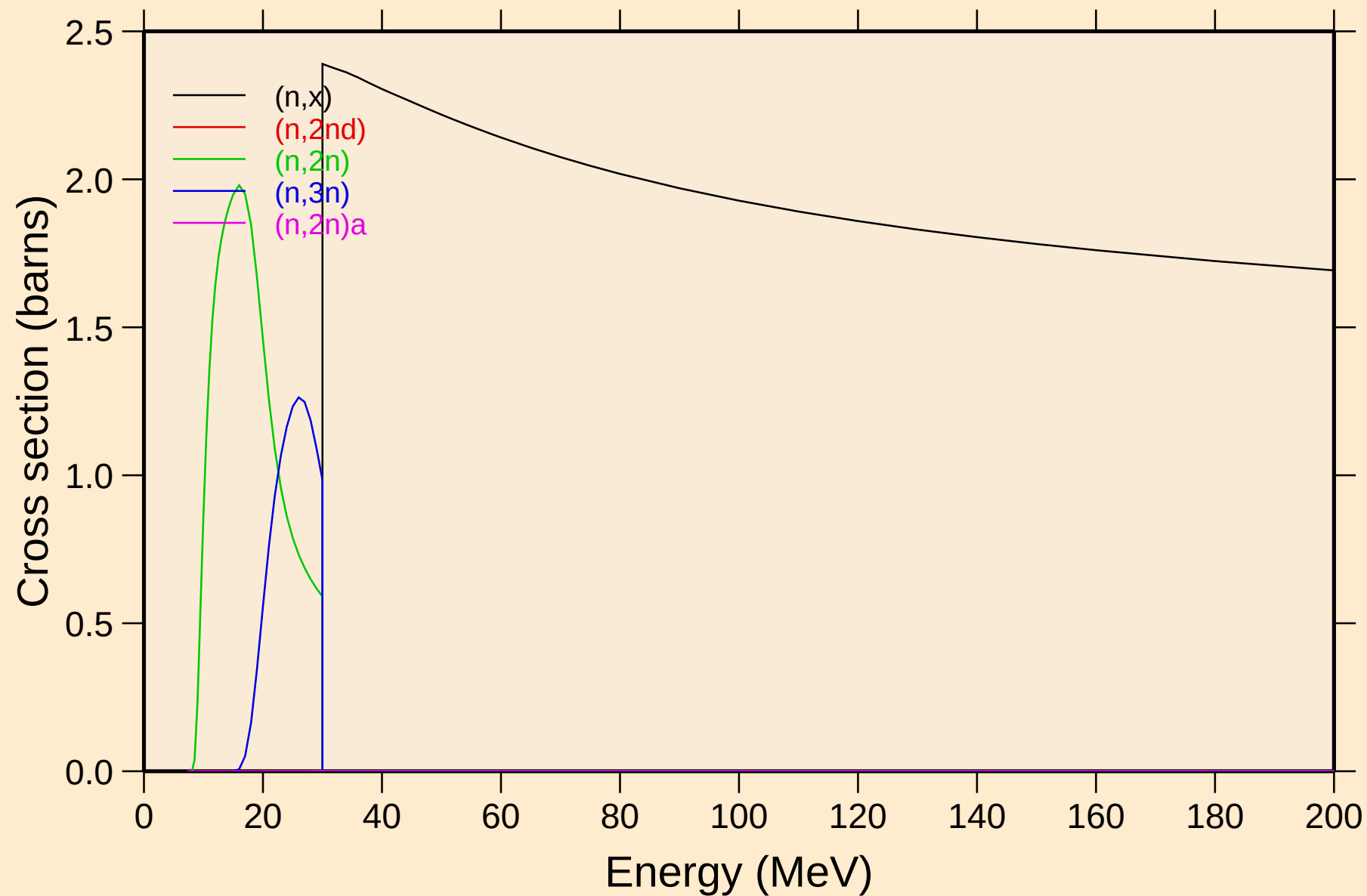
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



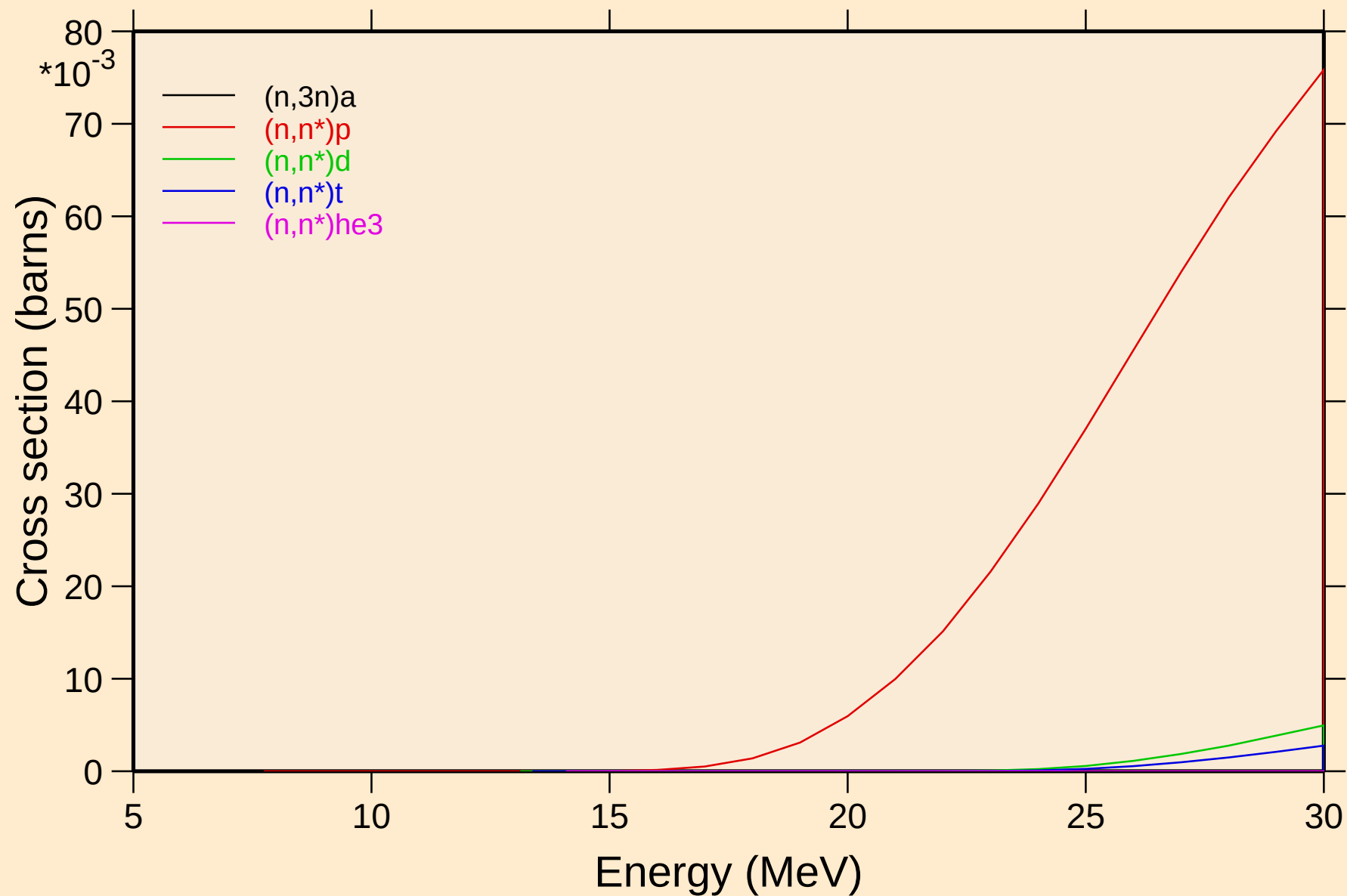
# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



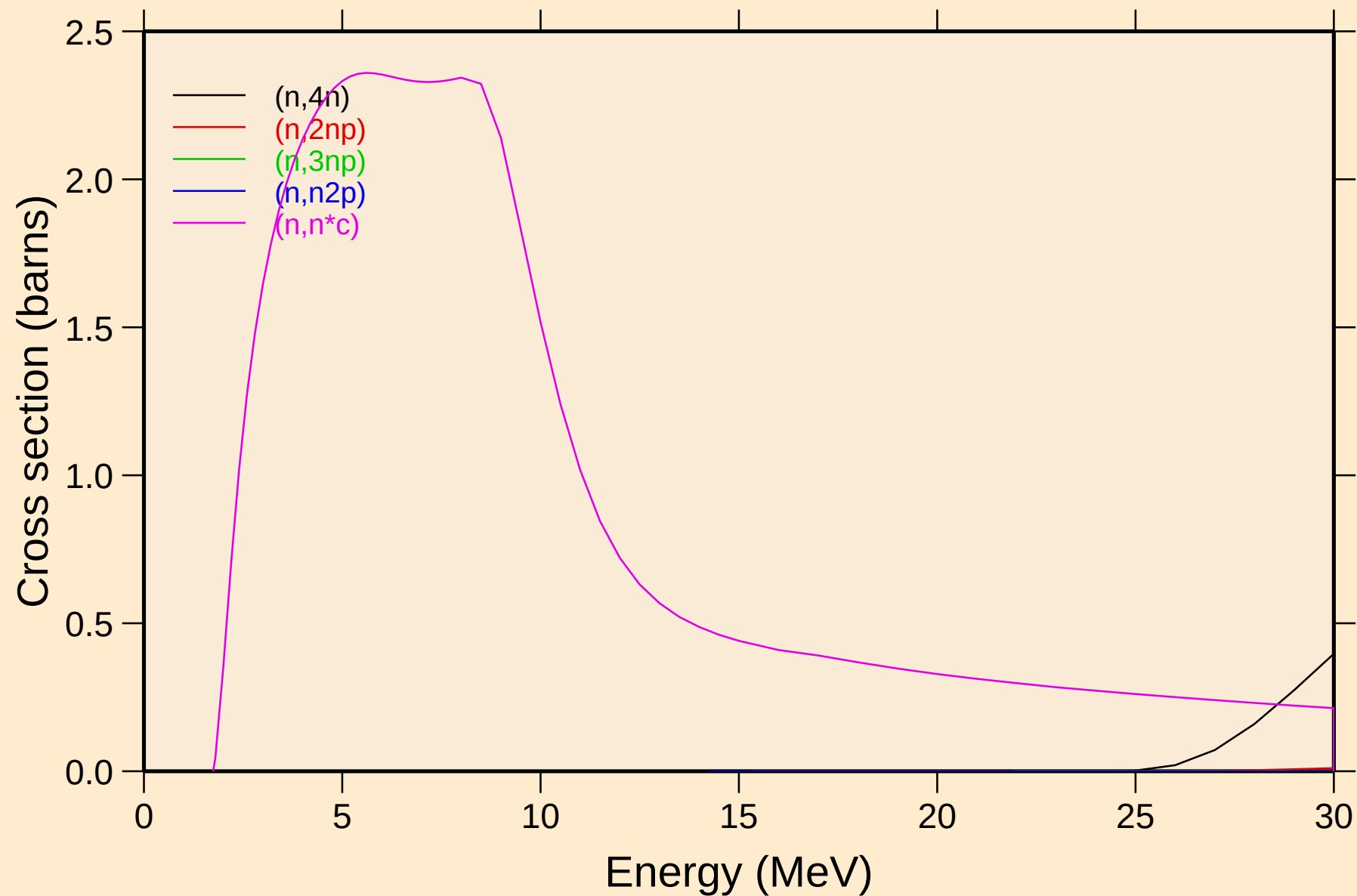
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## Threshold reactions



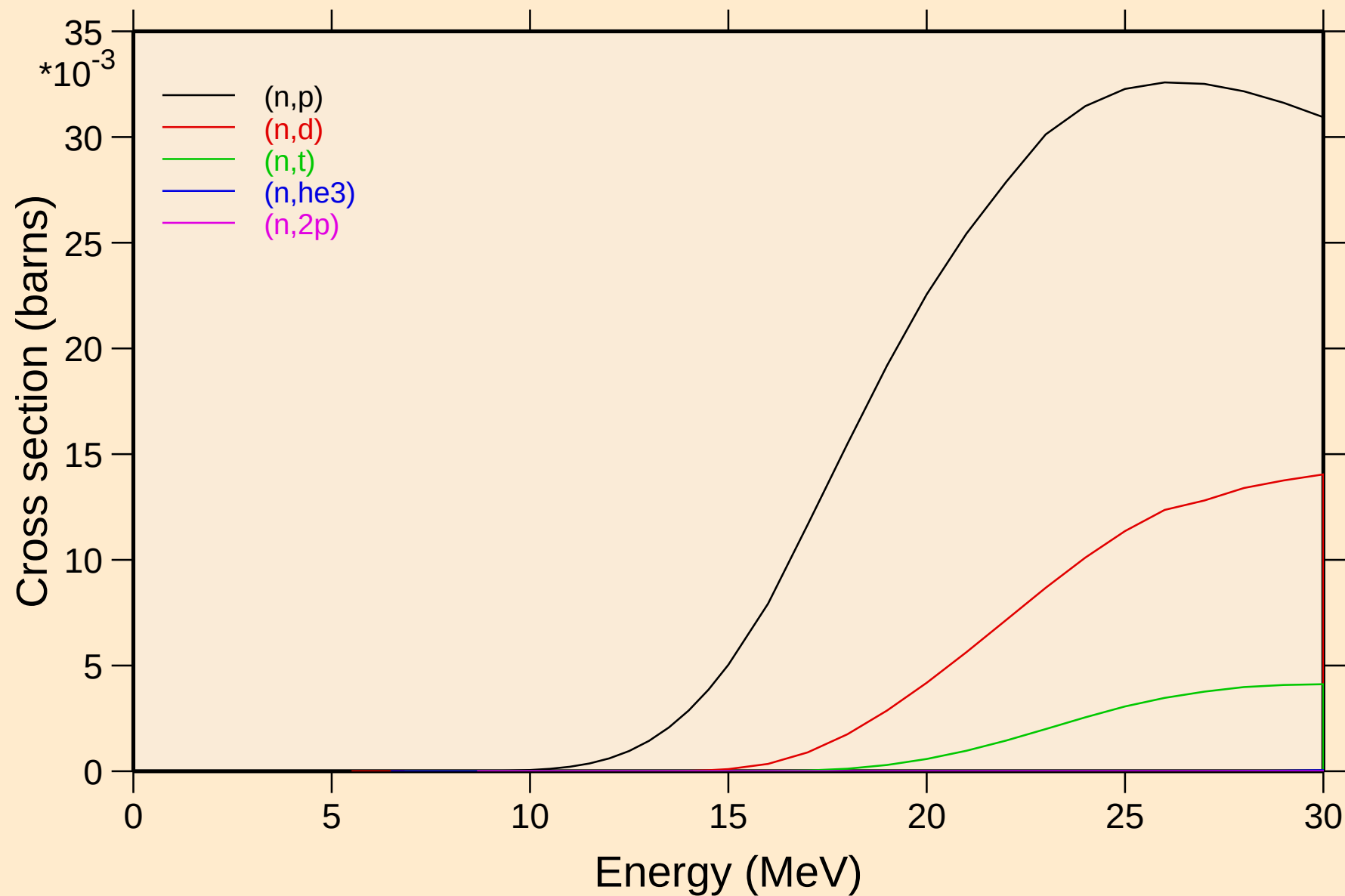
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## Threshold reactions



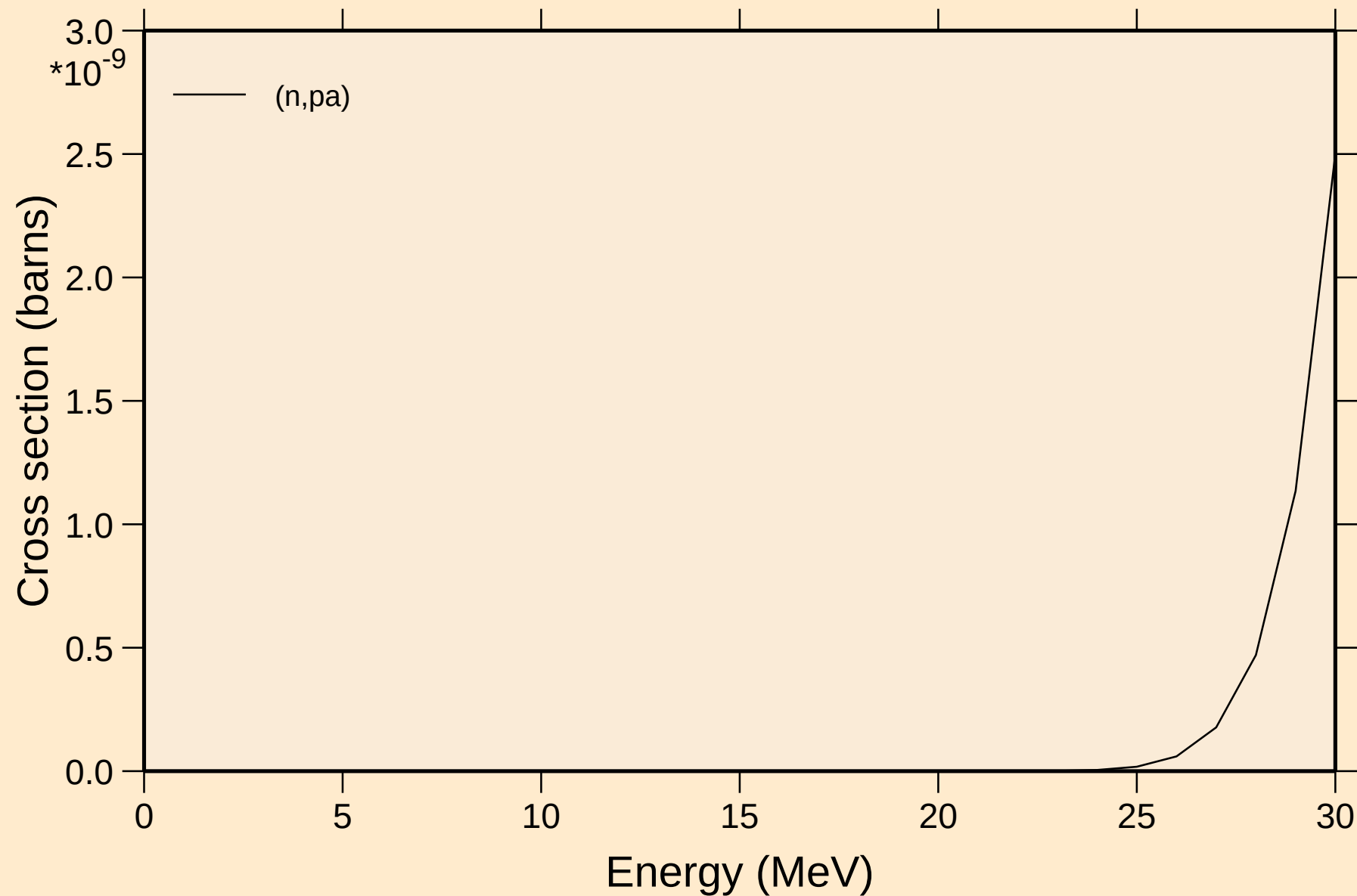
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## Threshold reactions



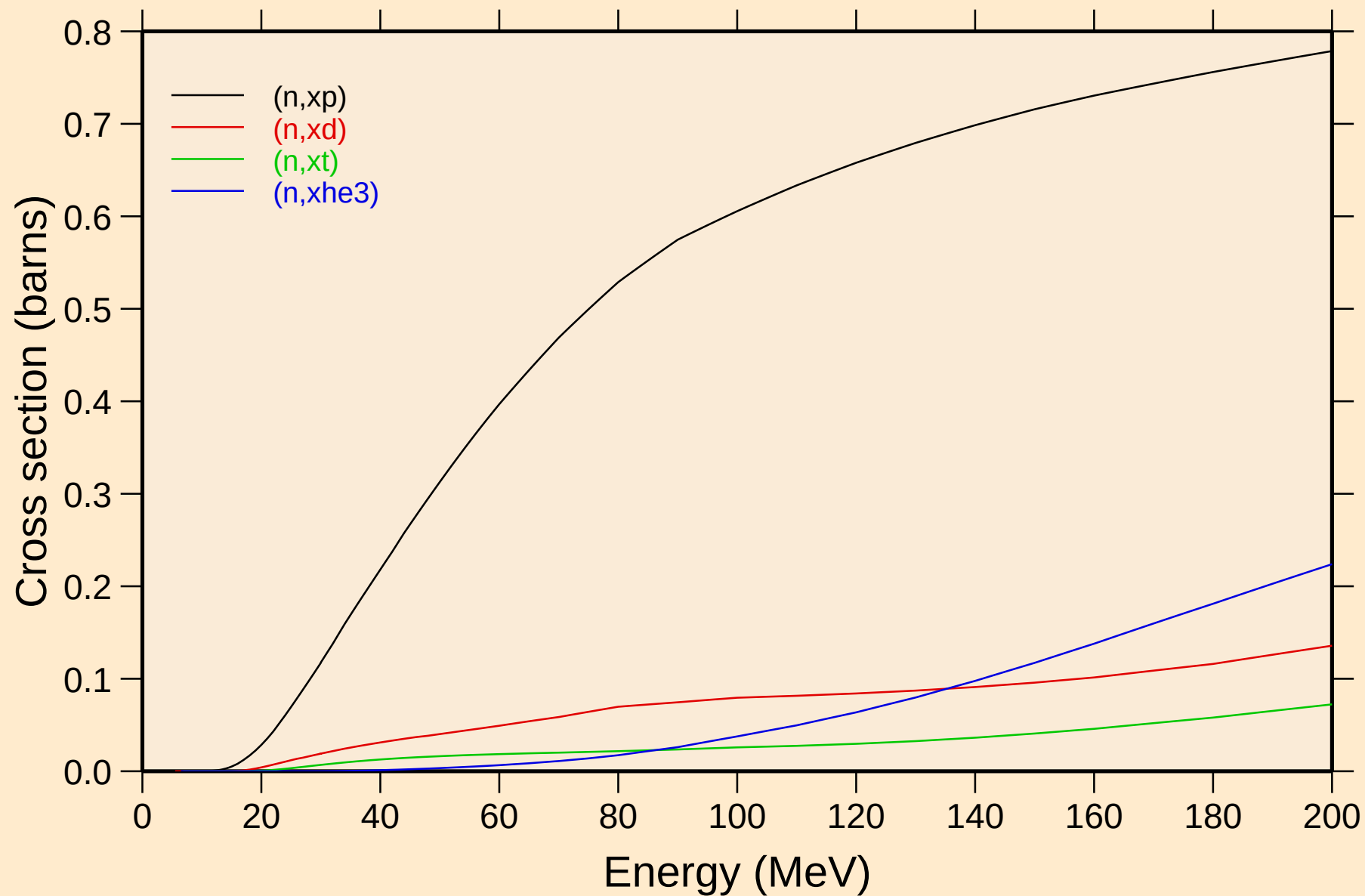
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Threshold reactions



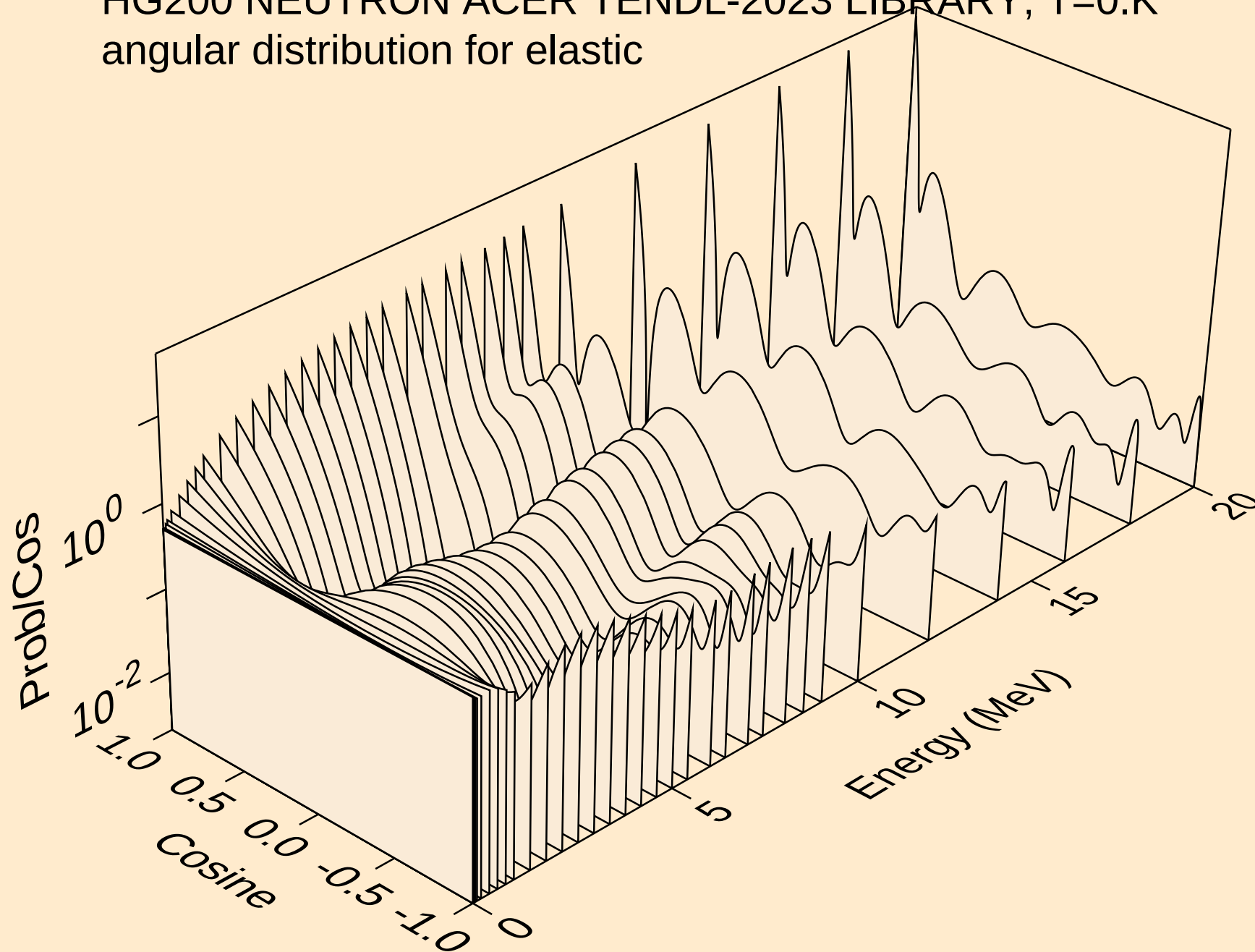
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## Threshold reactions

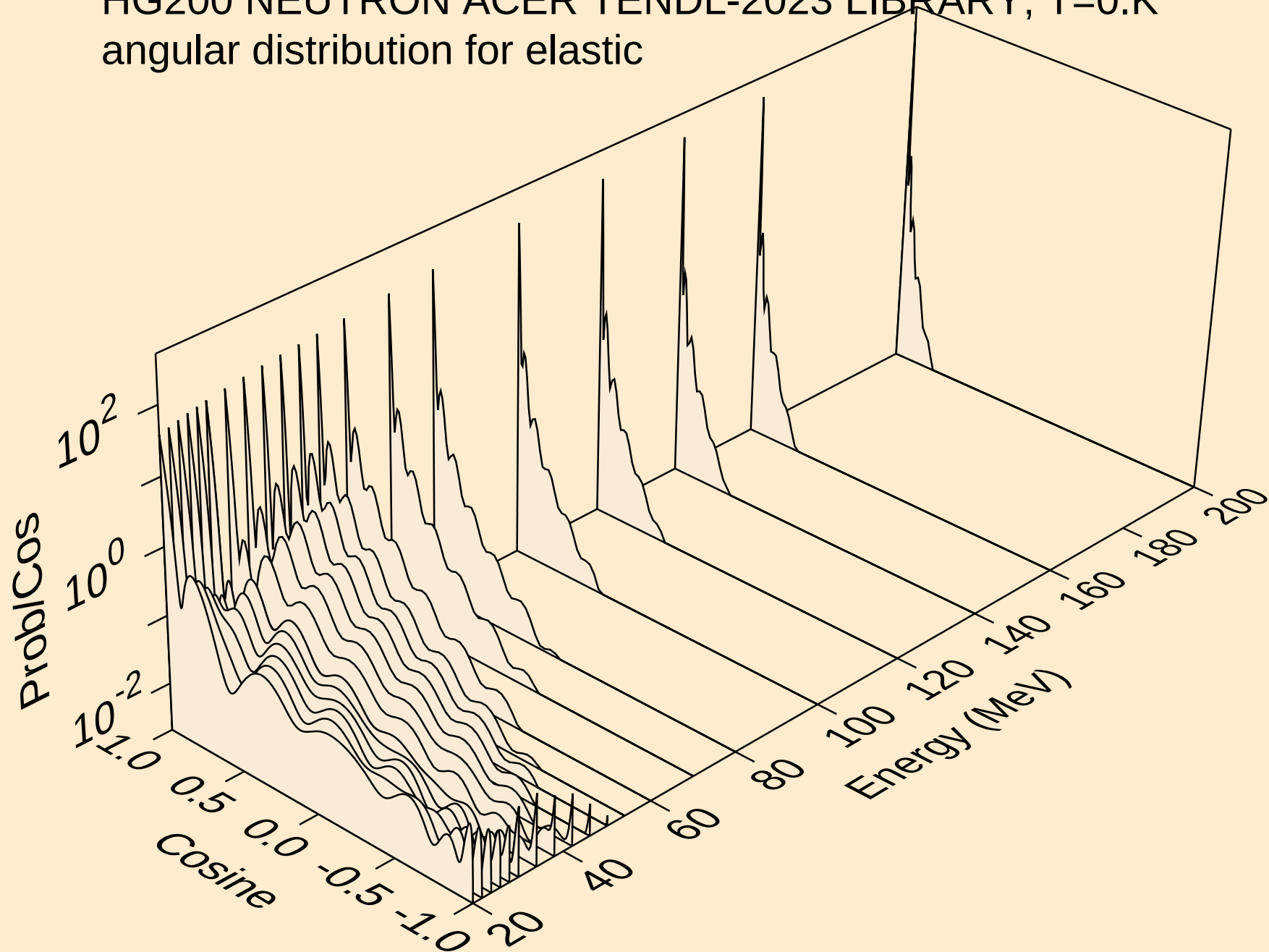




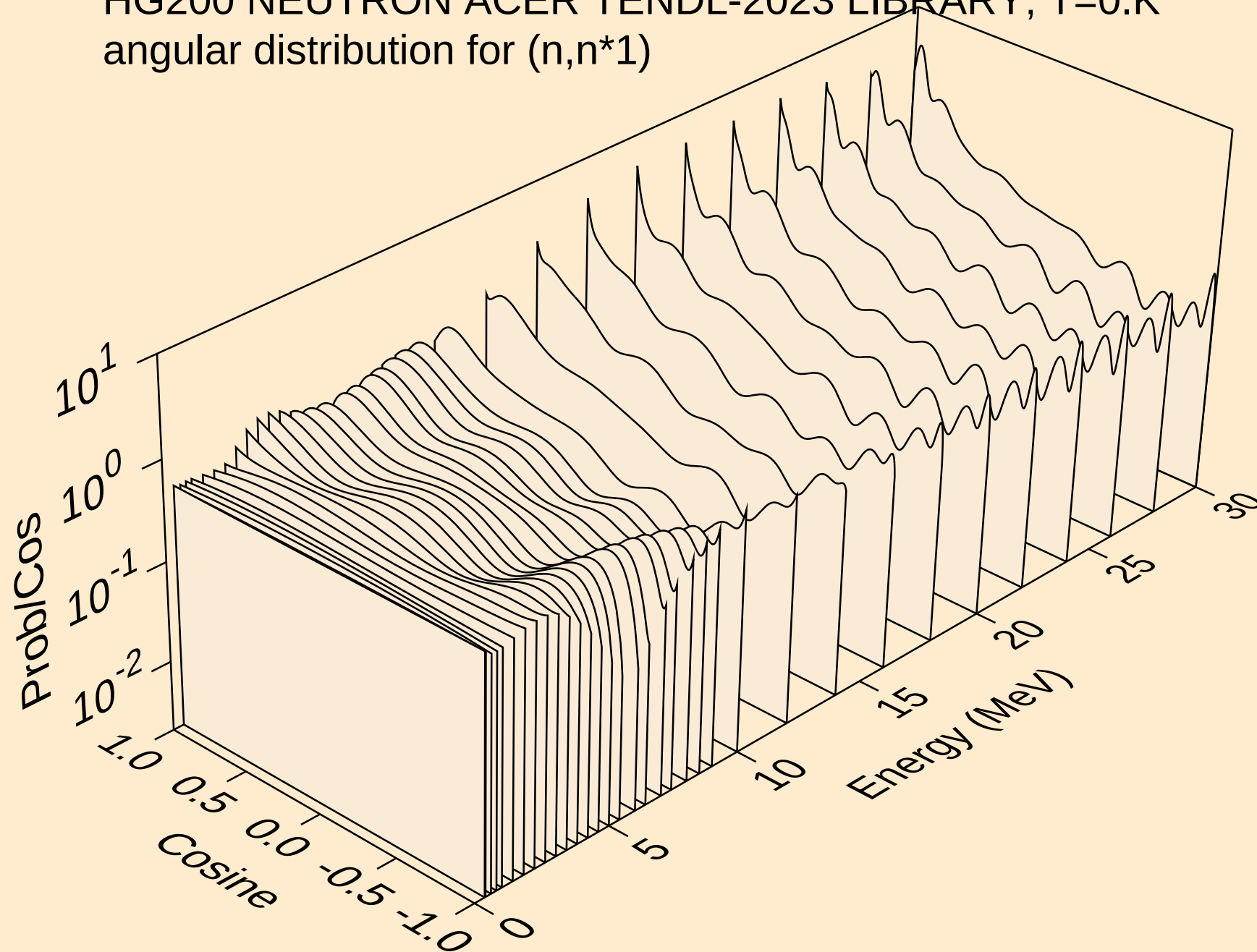
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



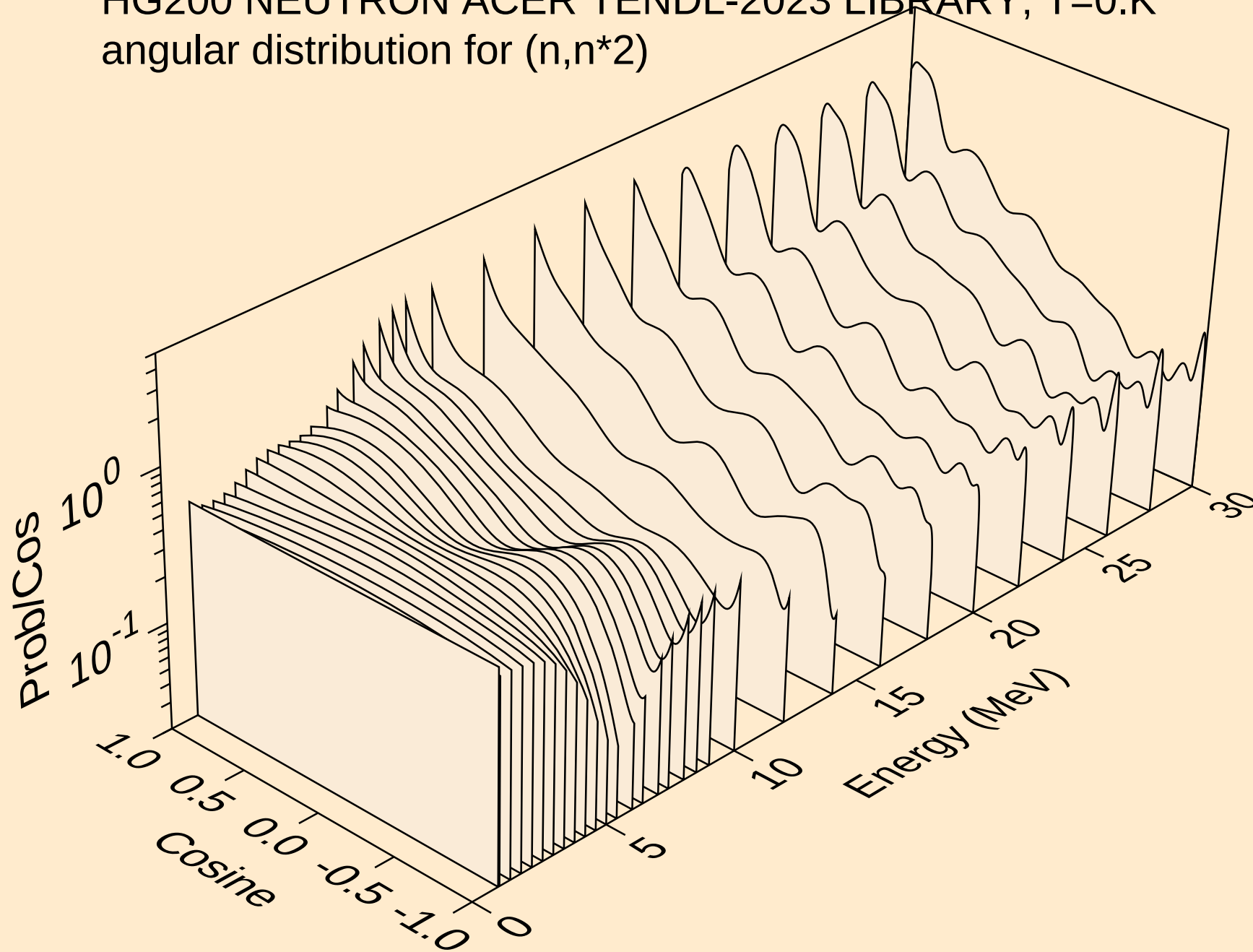
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



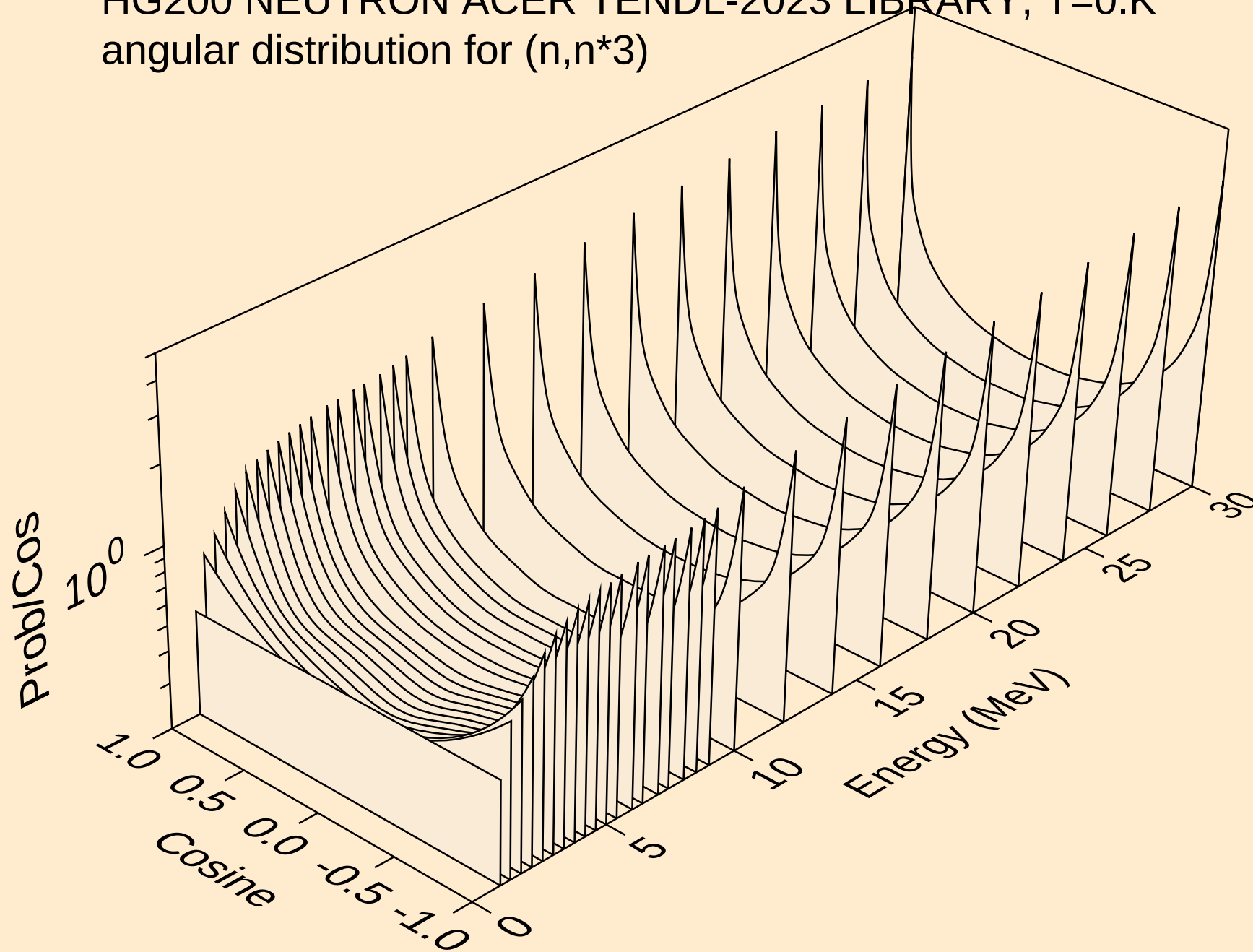
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
angular distribution for (n,n\*1)



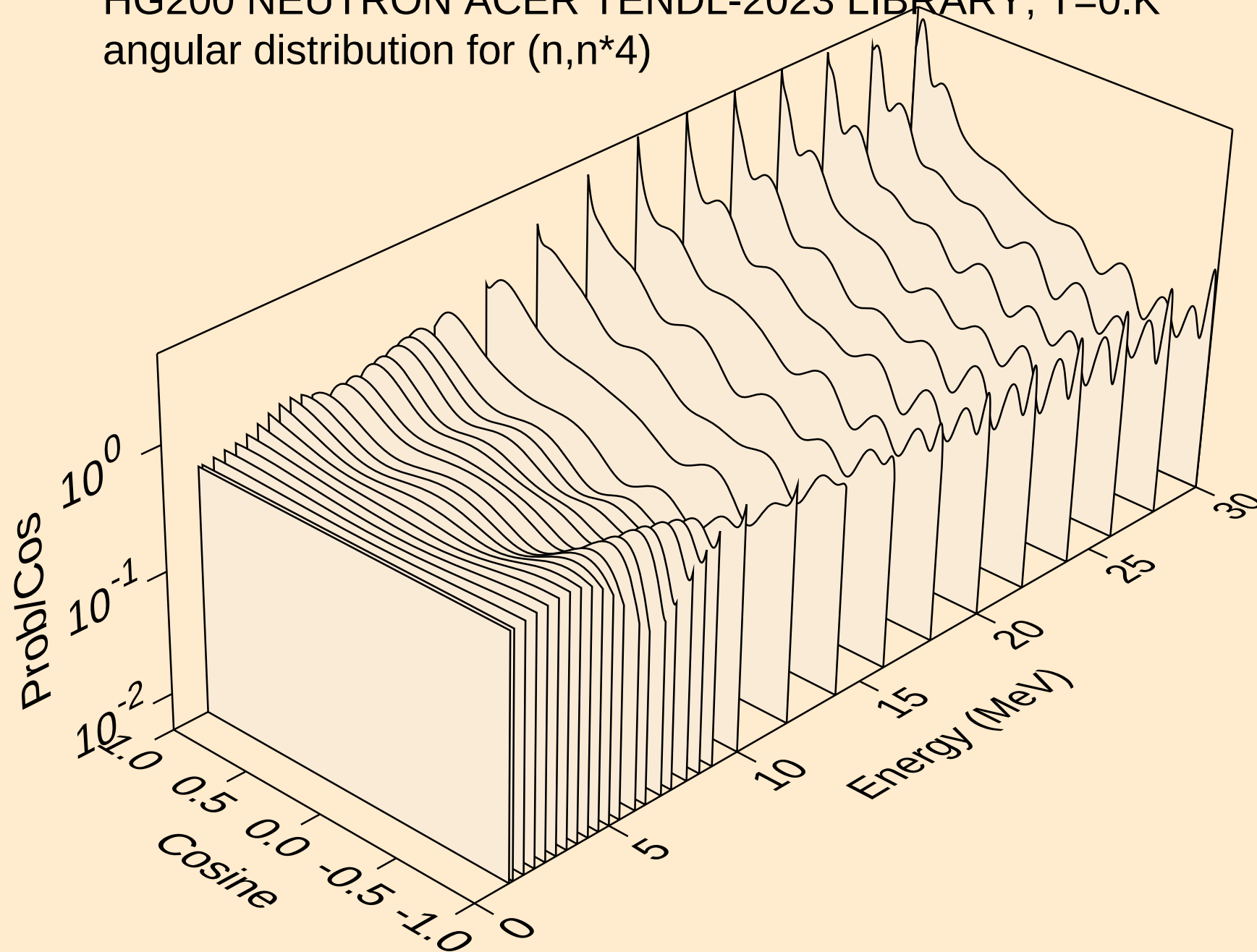
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



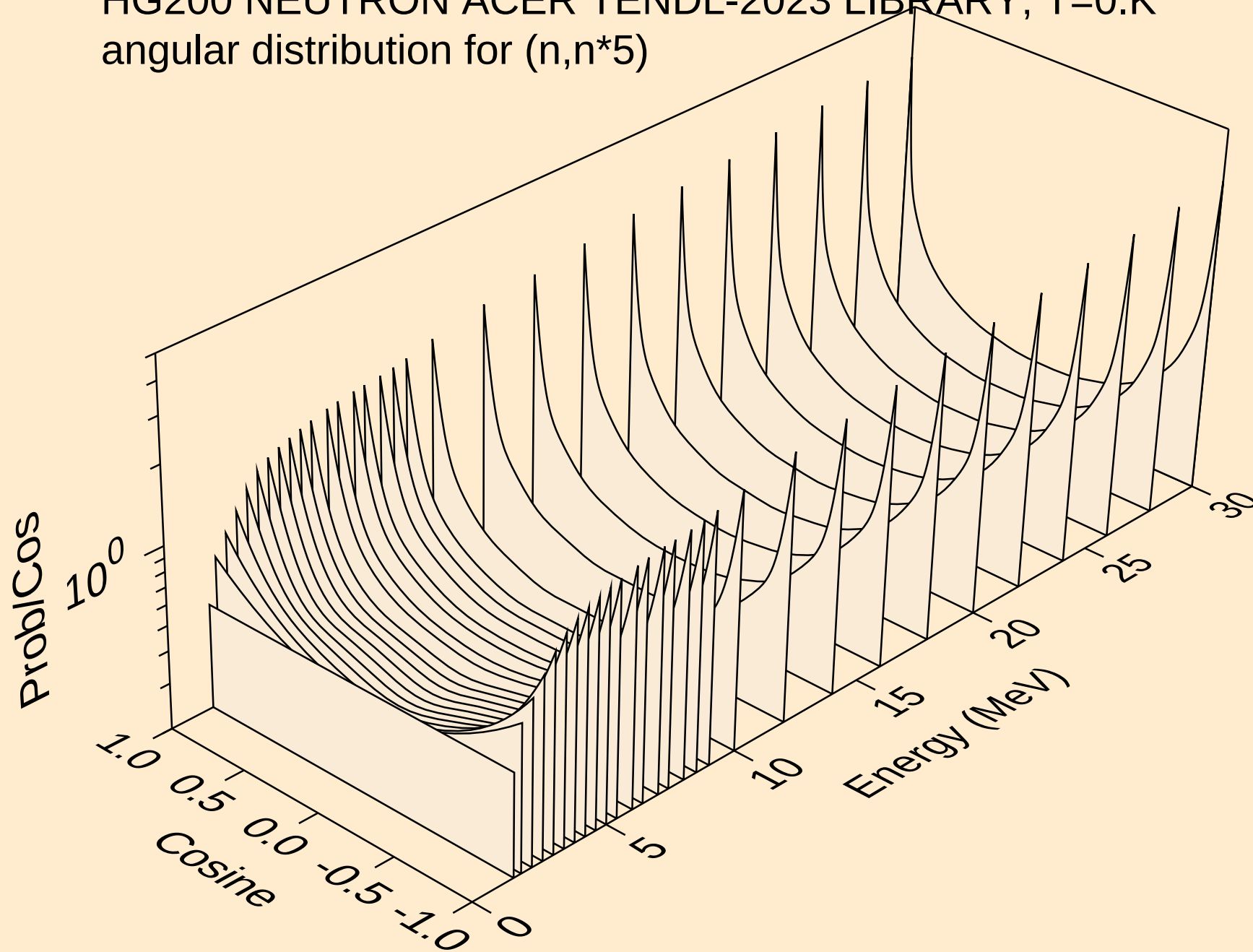
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



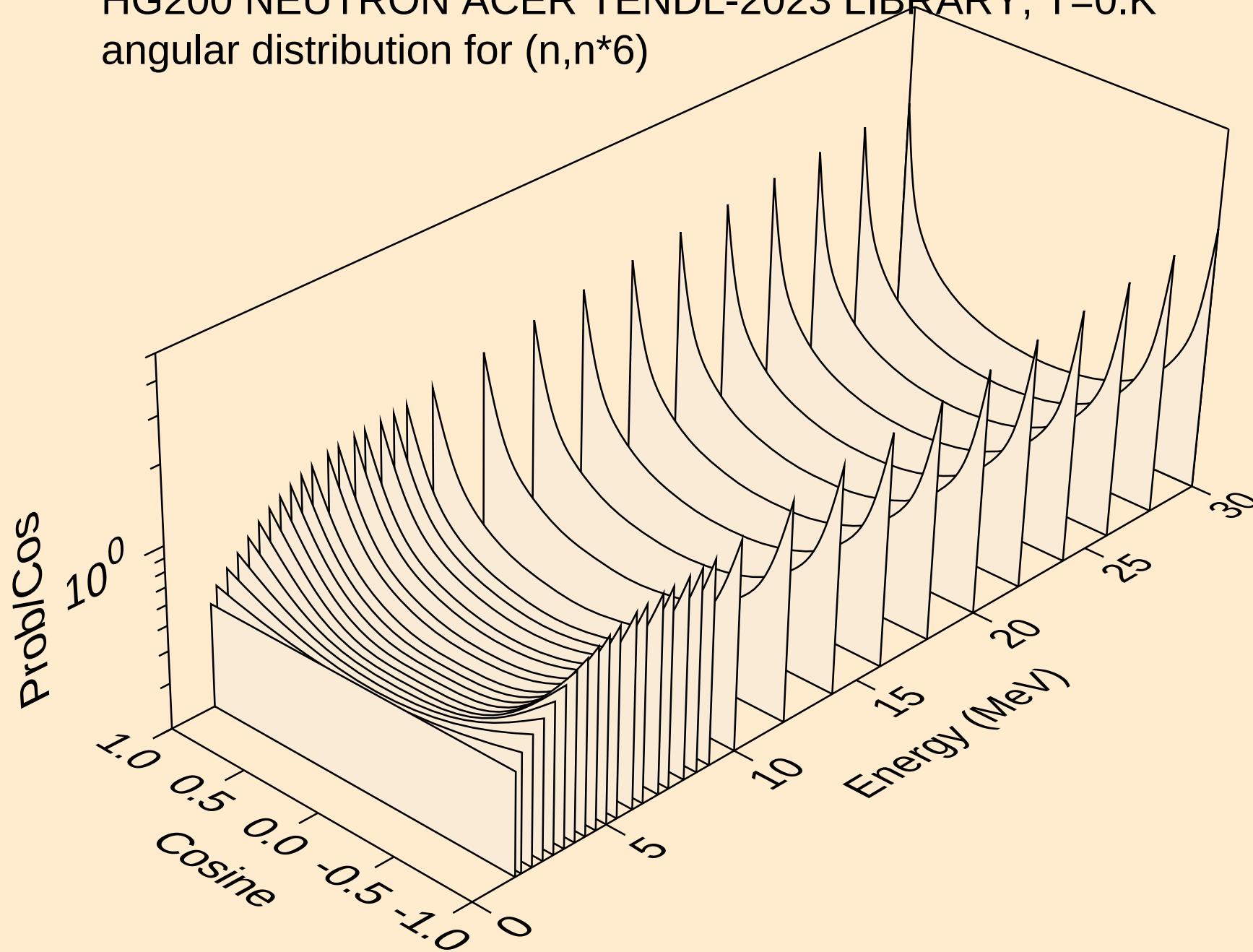
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

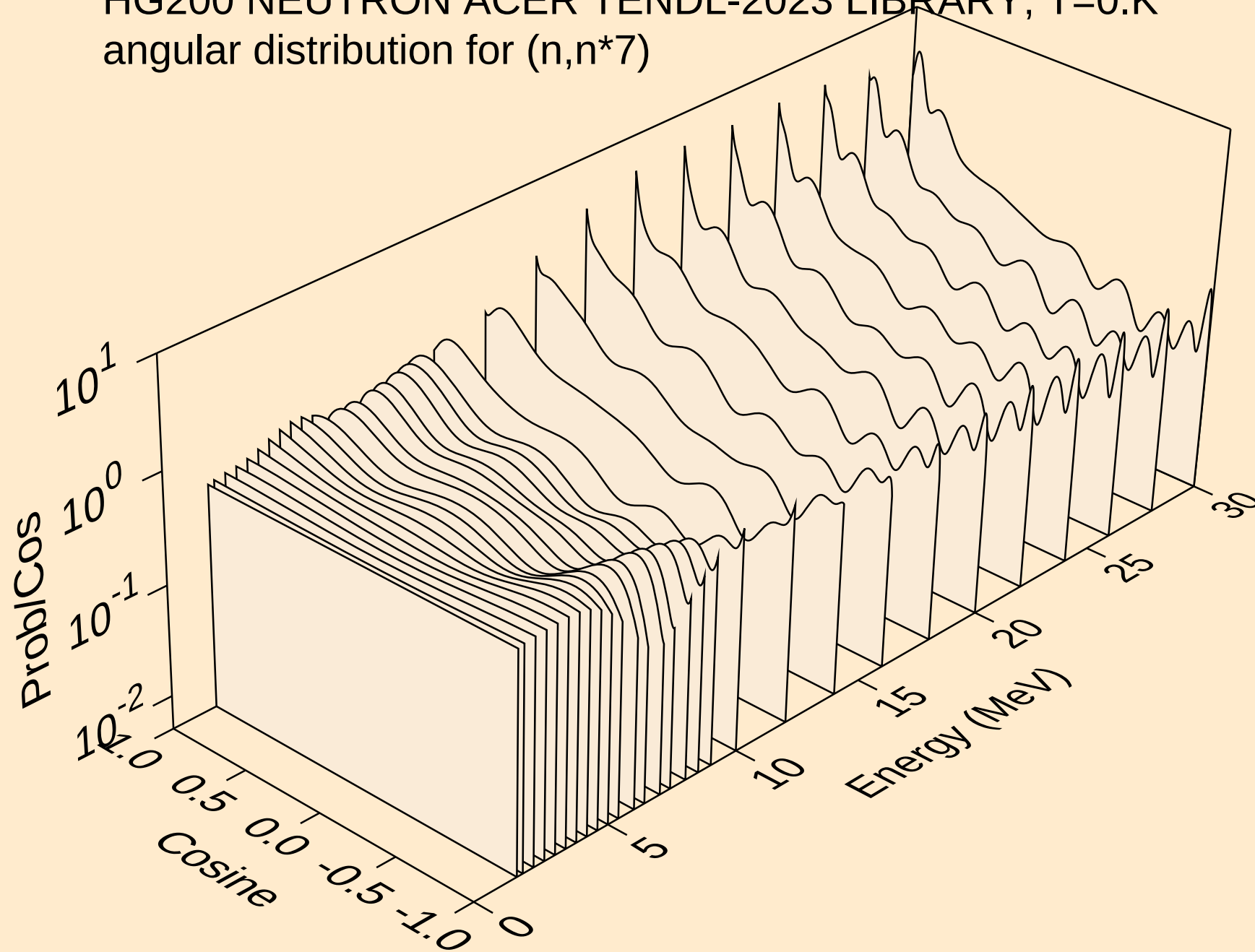


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angular distribution for (n,n\*6)

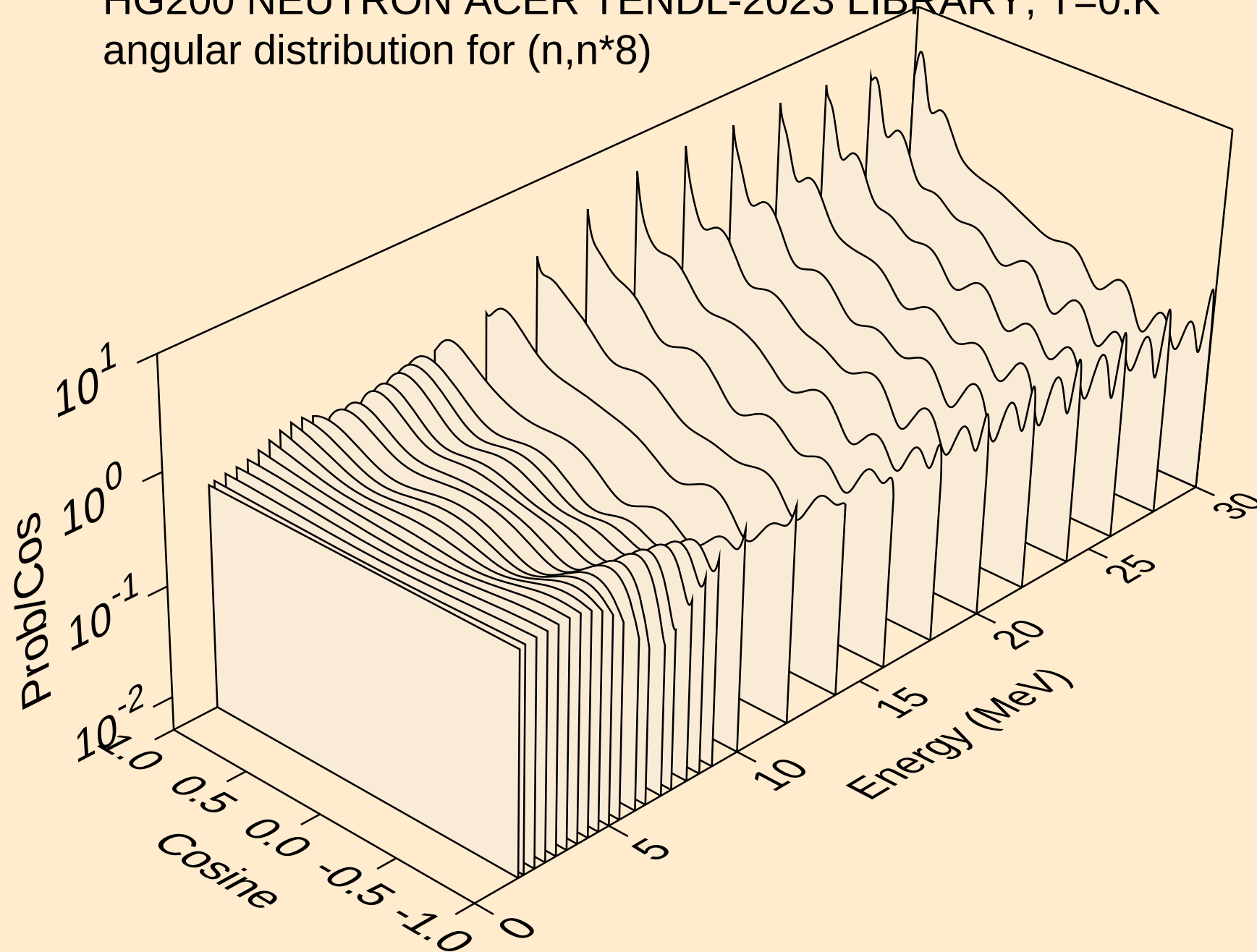




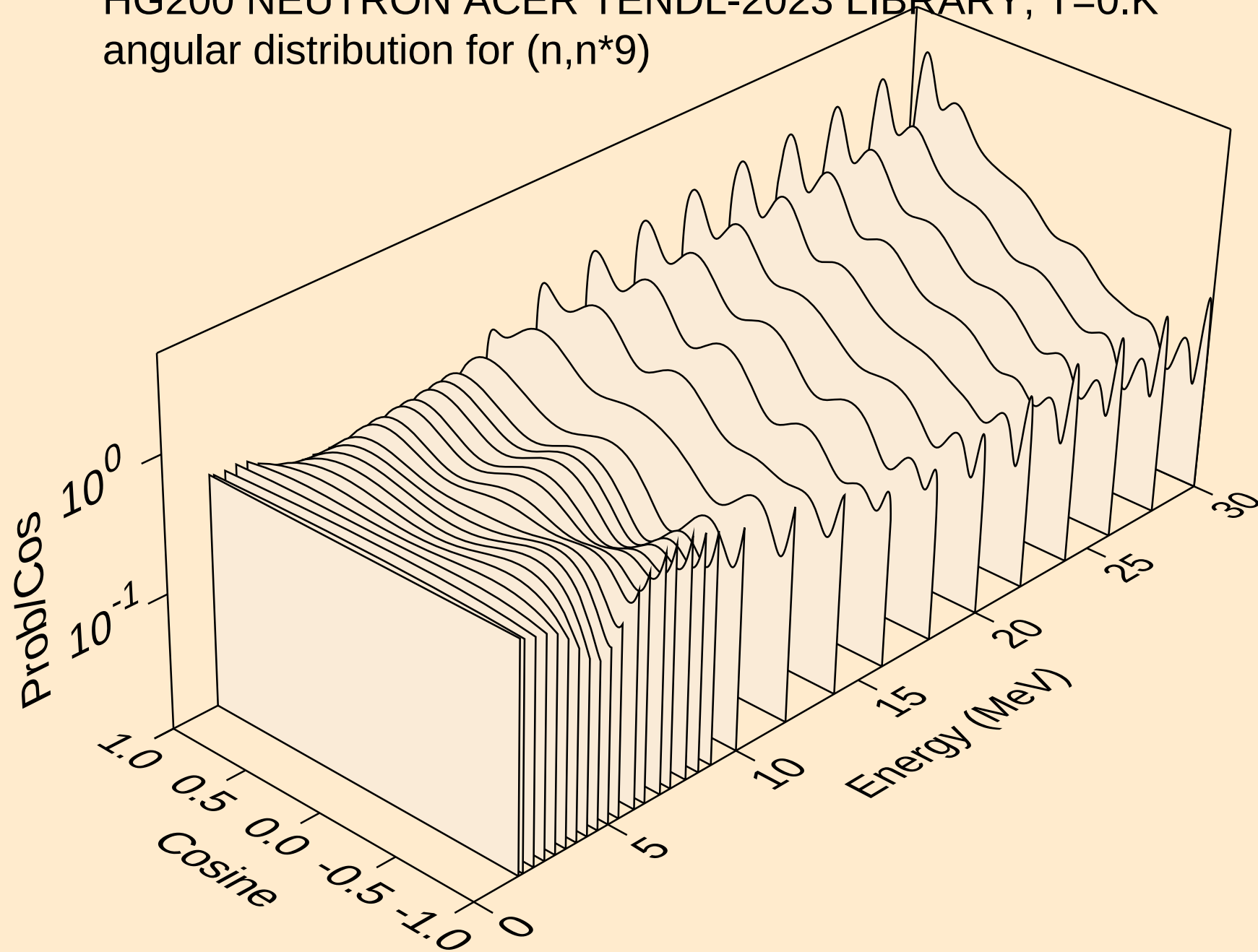
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



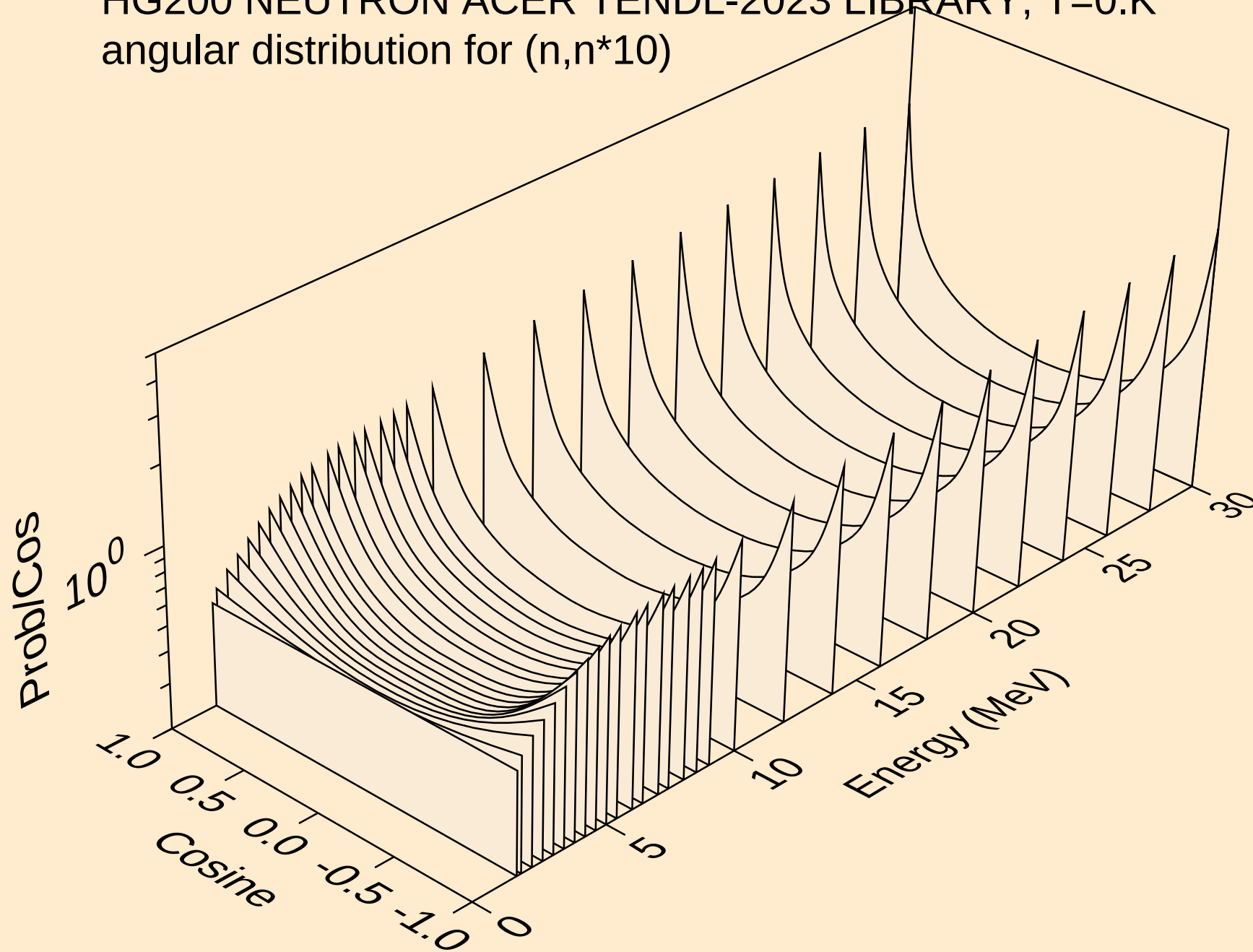
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angular distribution for (n,n\*8)



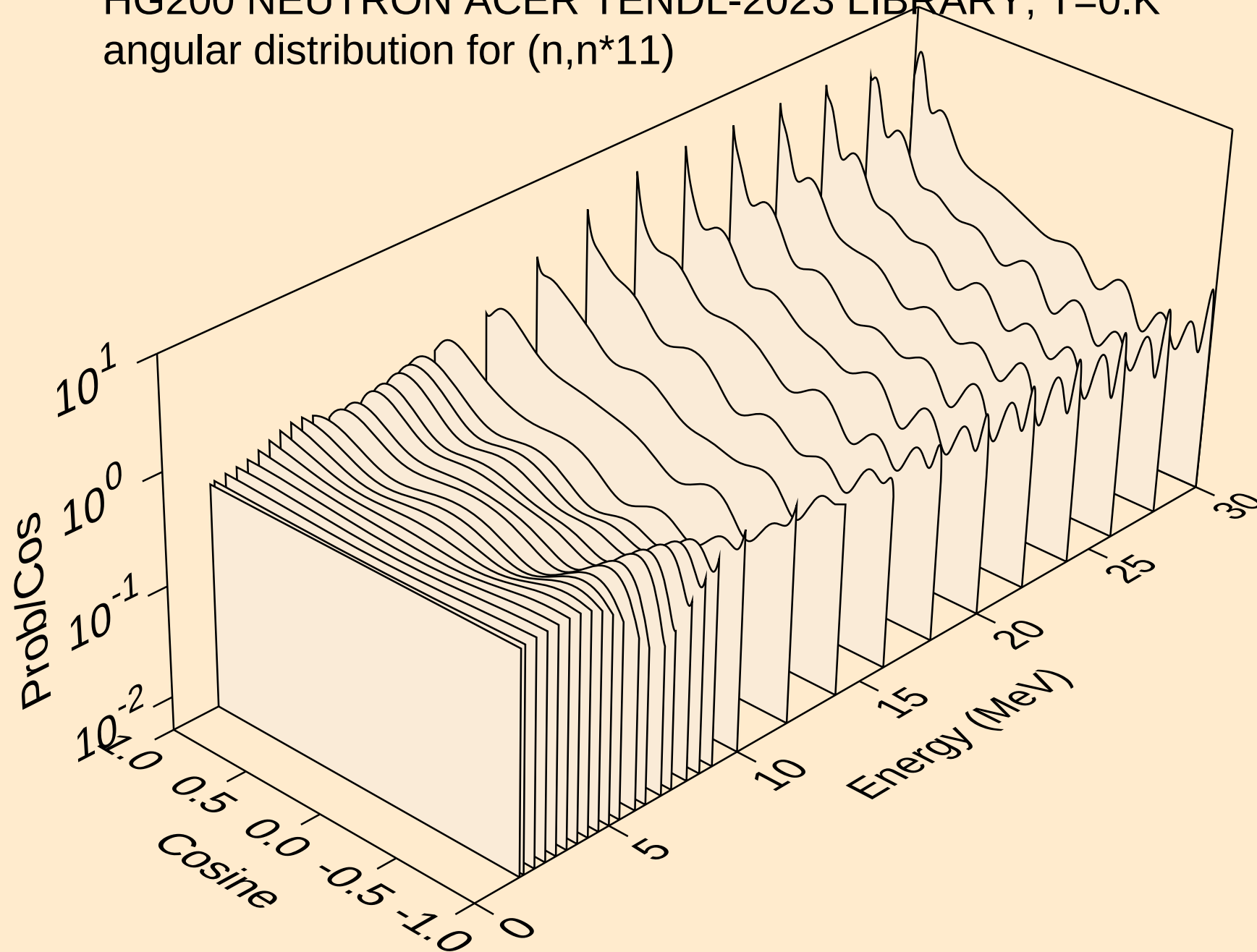
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angular distribution for (n,n\*9)



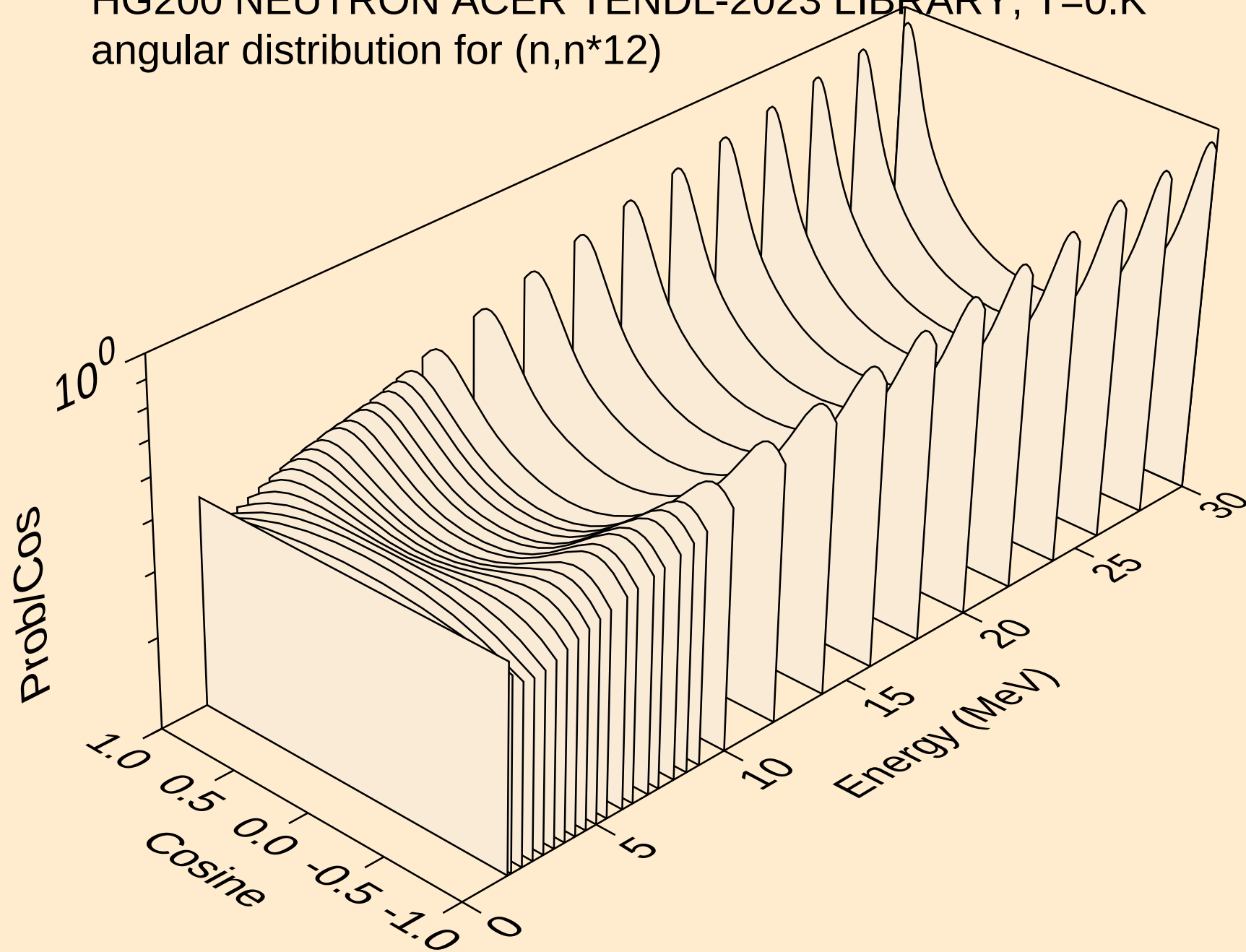
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angular distribution for (n,n\*10)



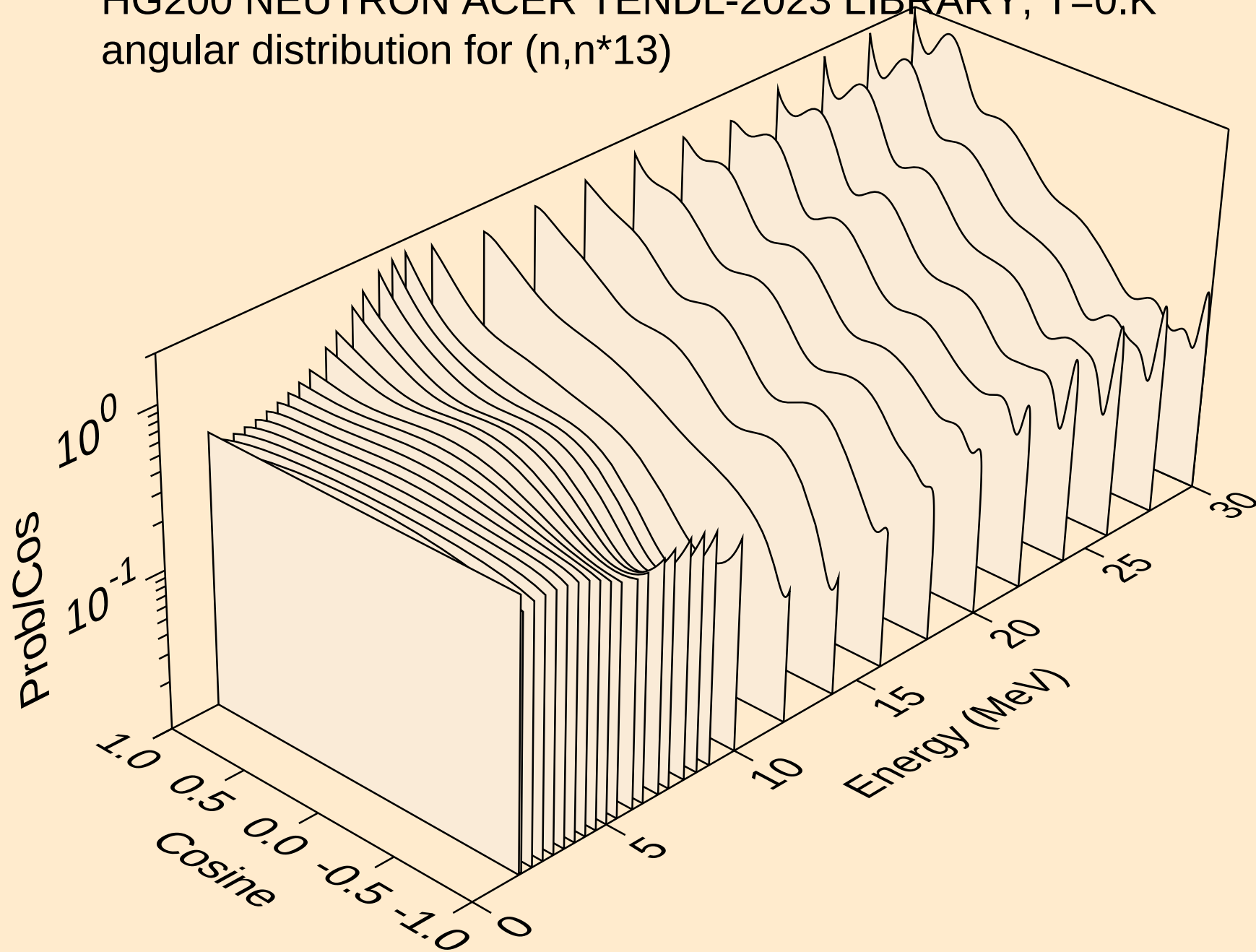
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angular distribution for (n,n\*11)



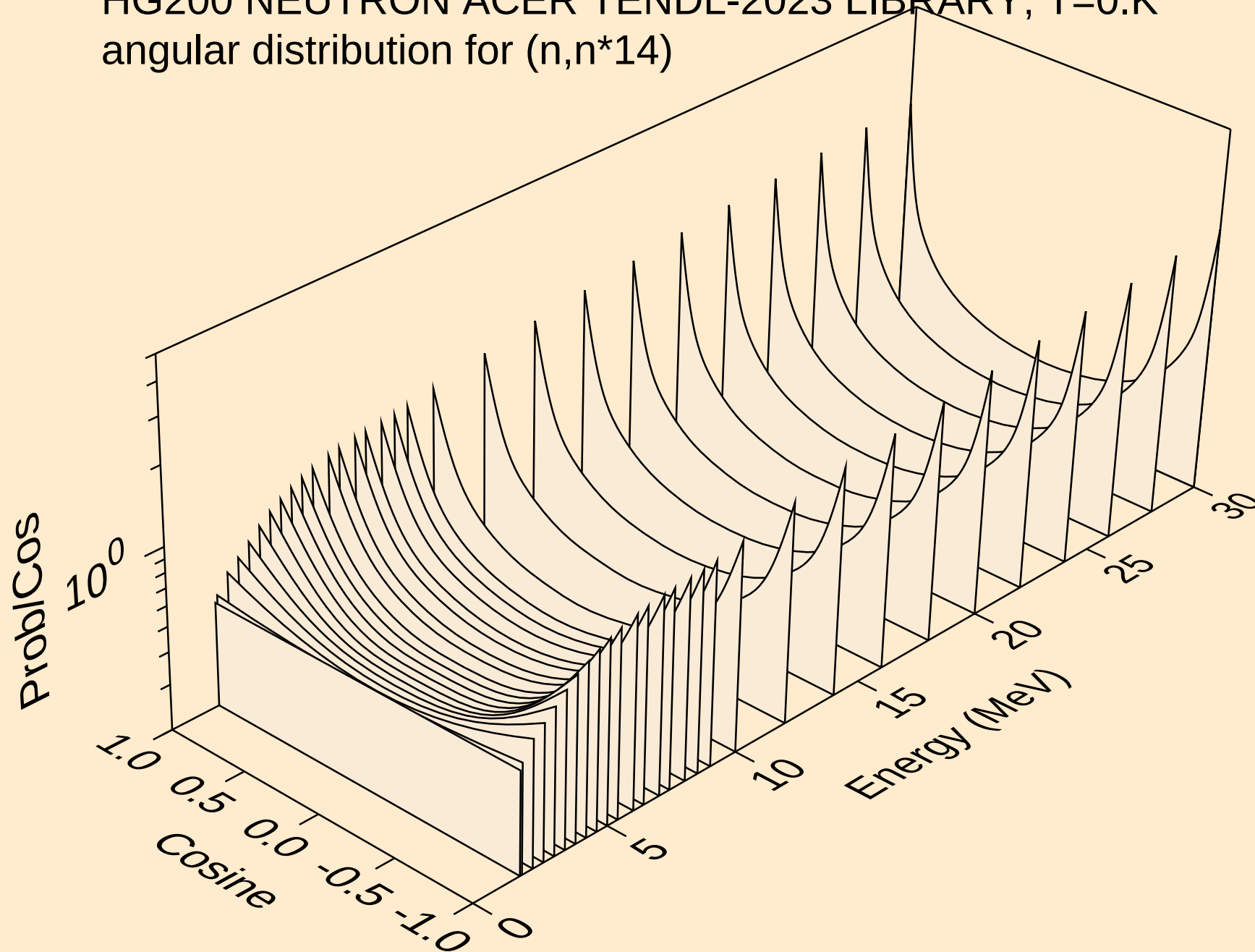
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

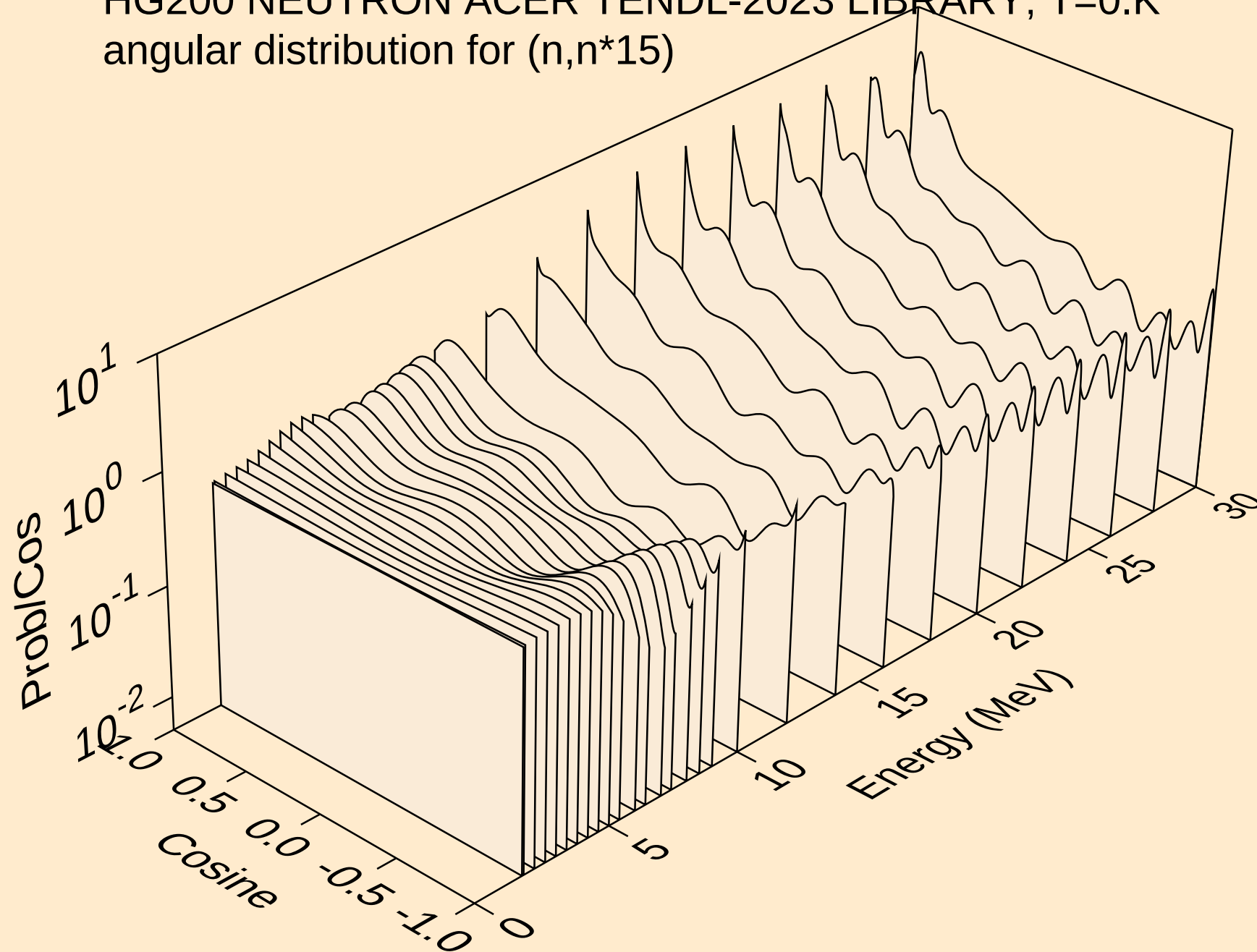


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angular distribution for (n,n\*14)

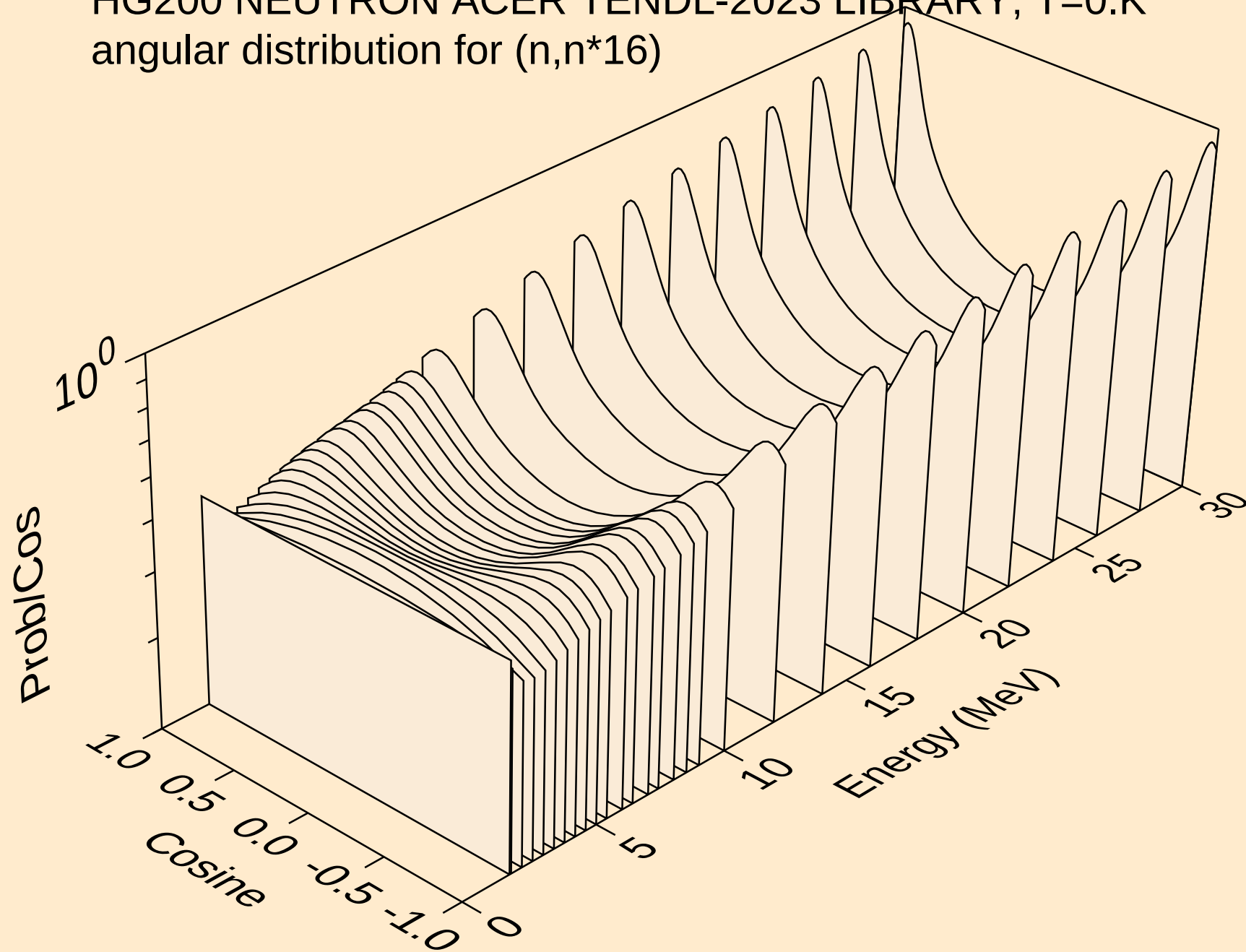




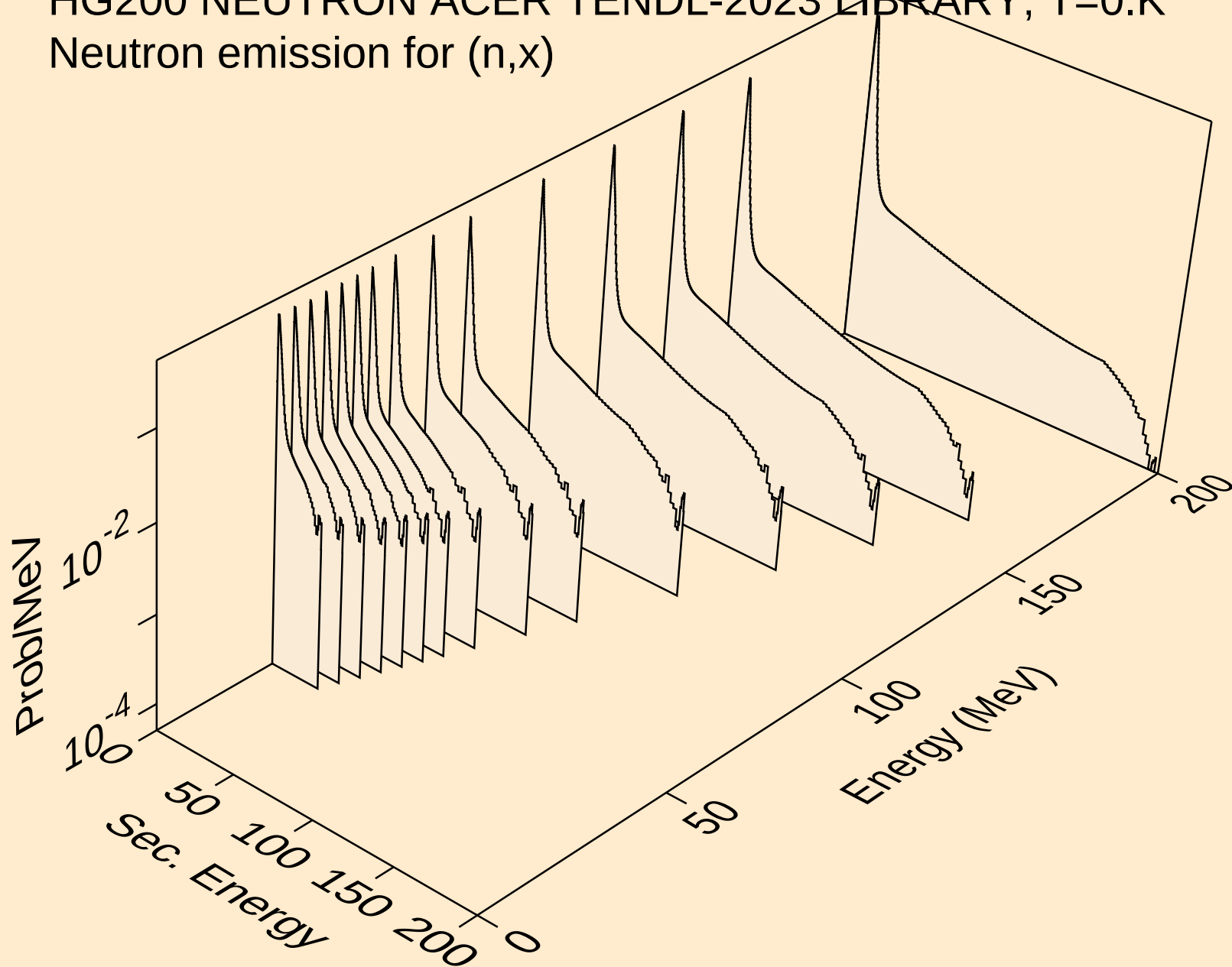
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angular distribution for (n,n\*15)



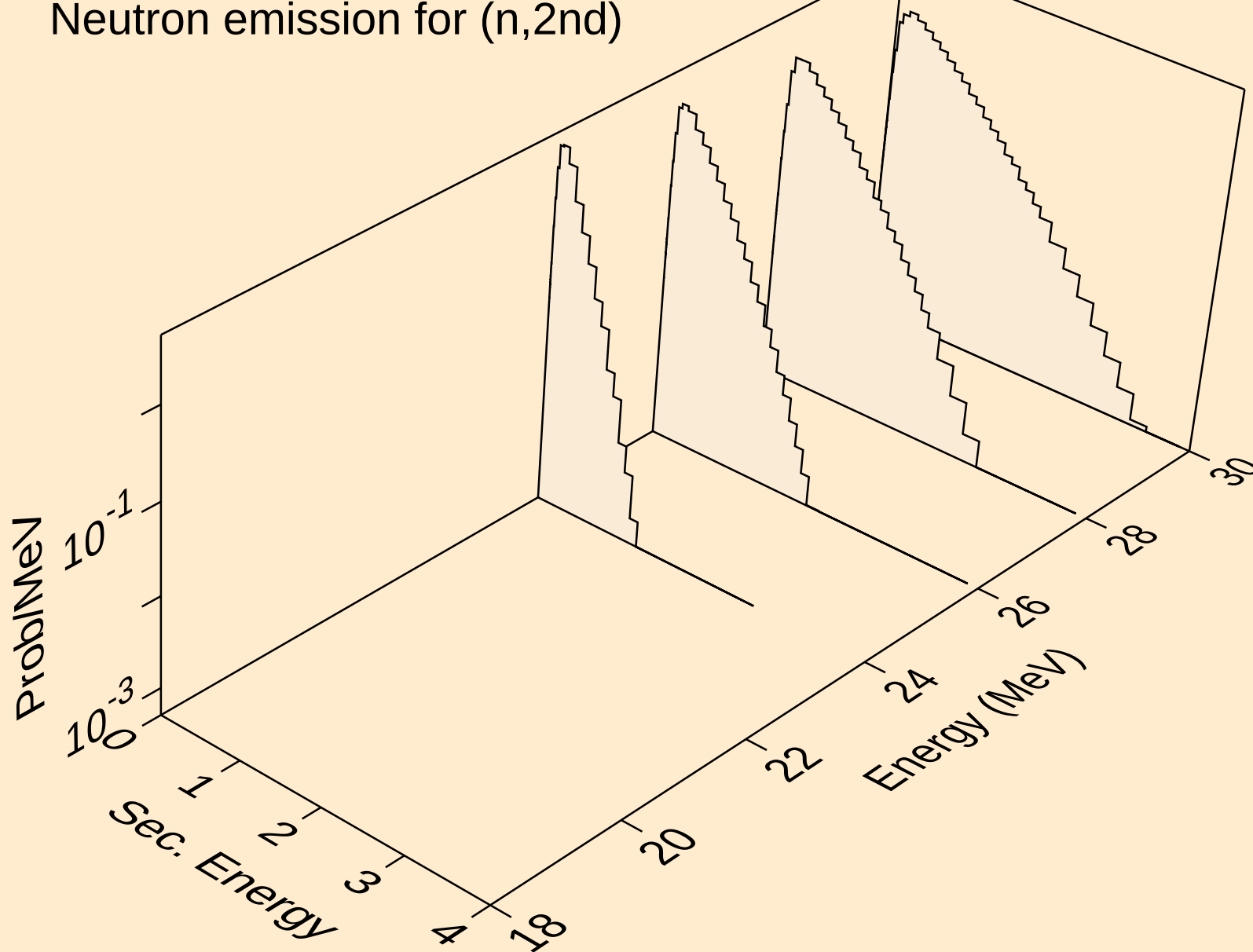
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angular distribution for (n,n\*16)



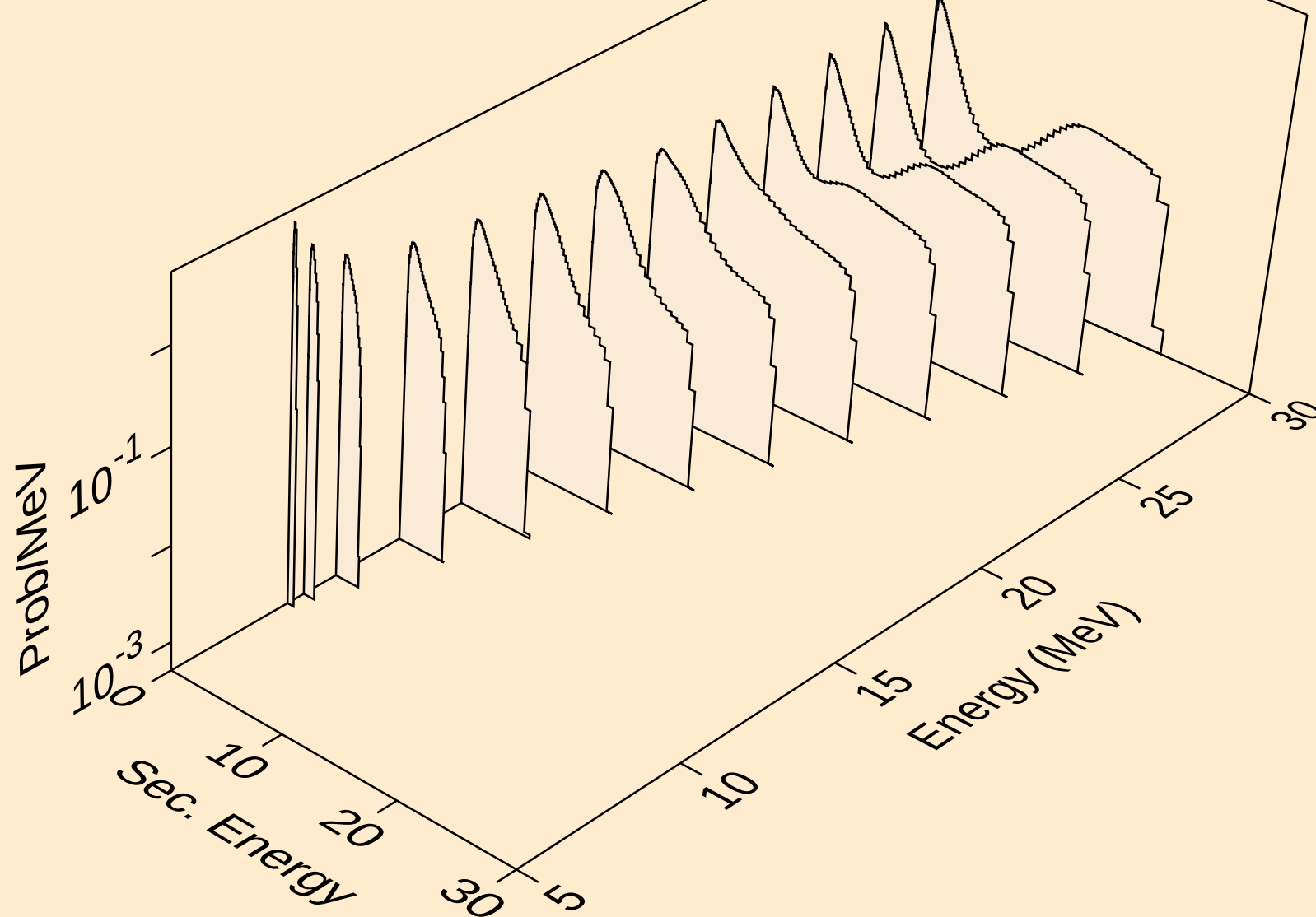
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



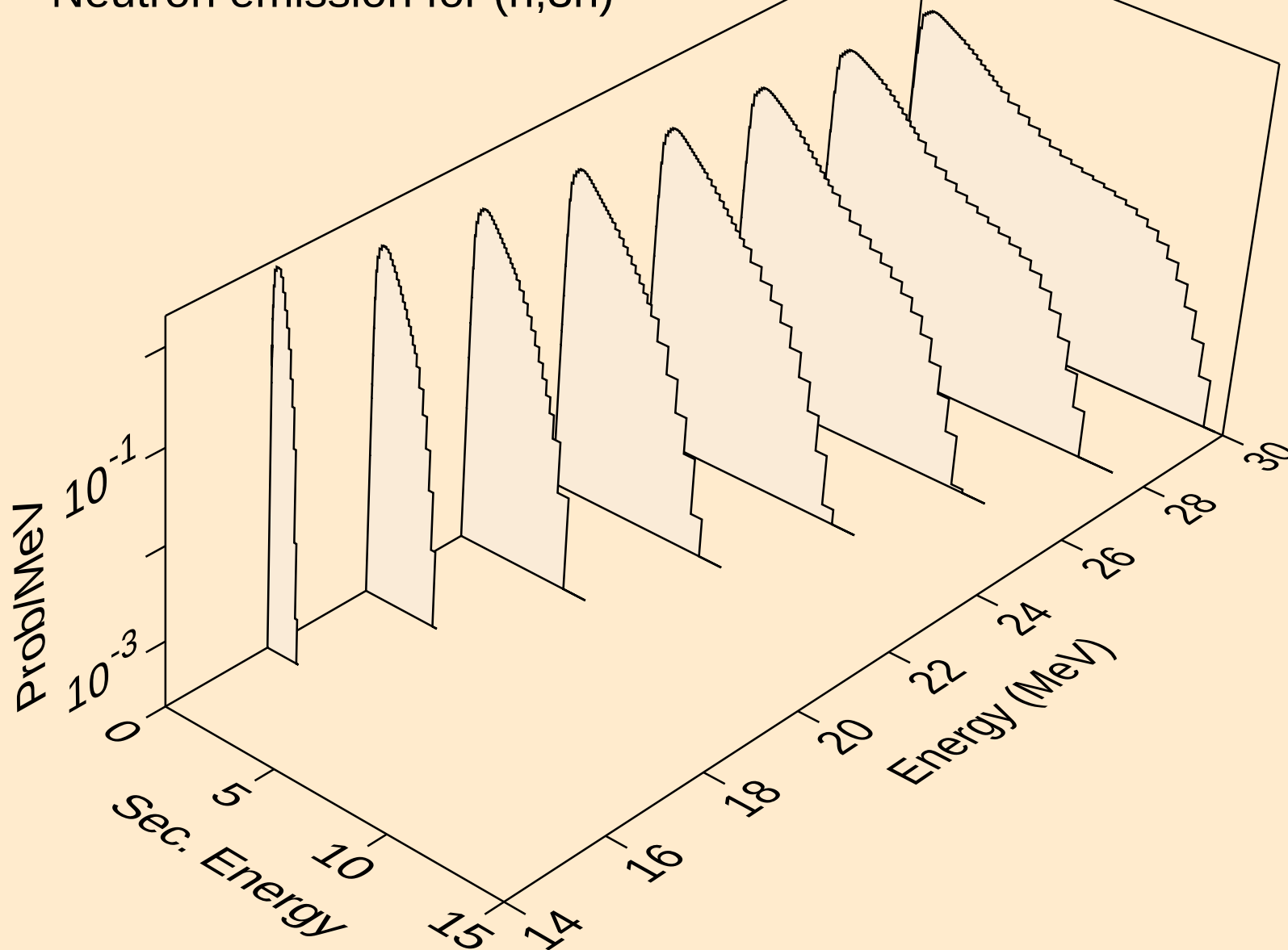
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



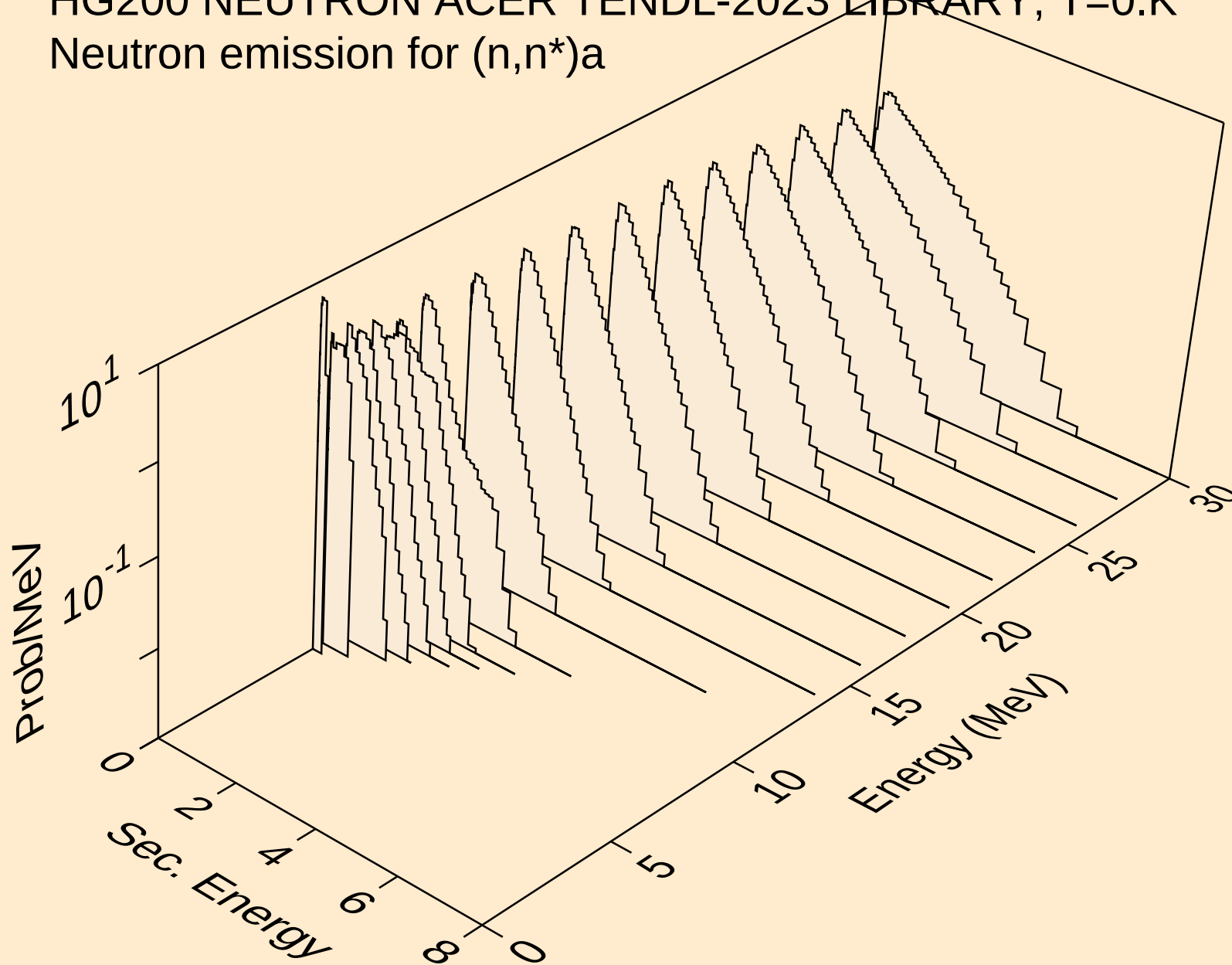
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



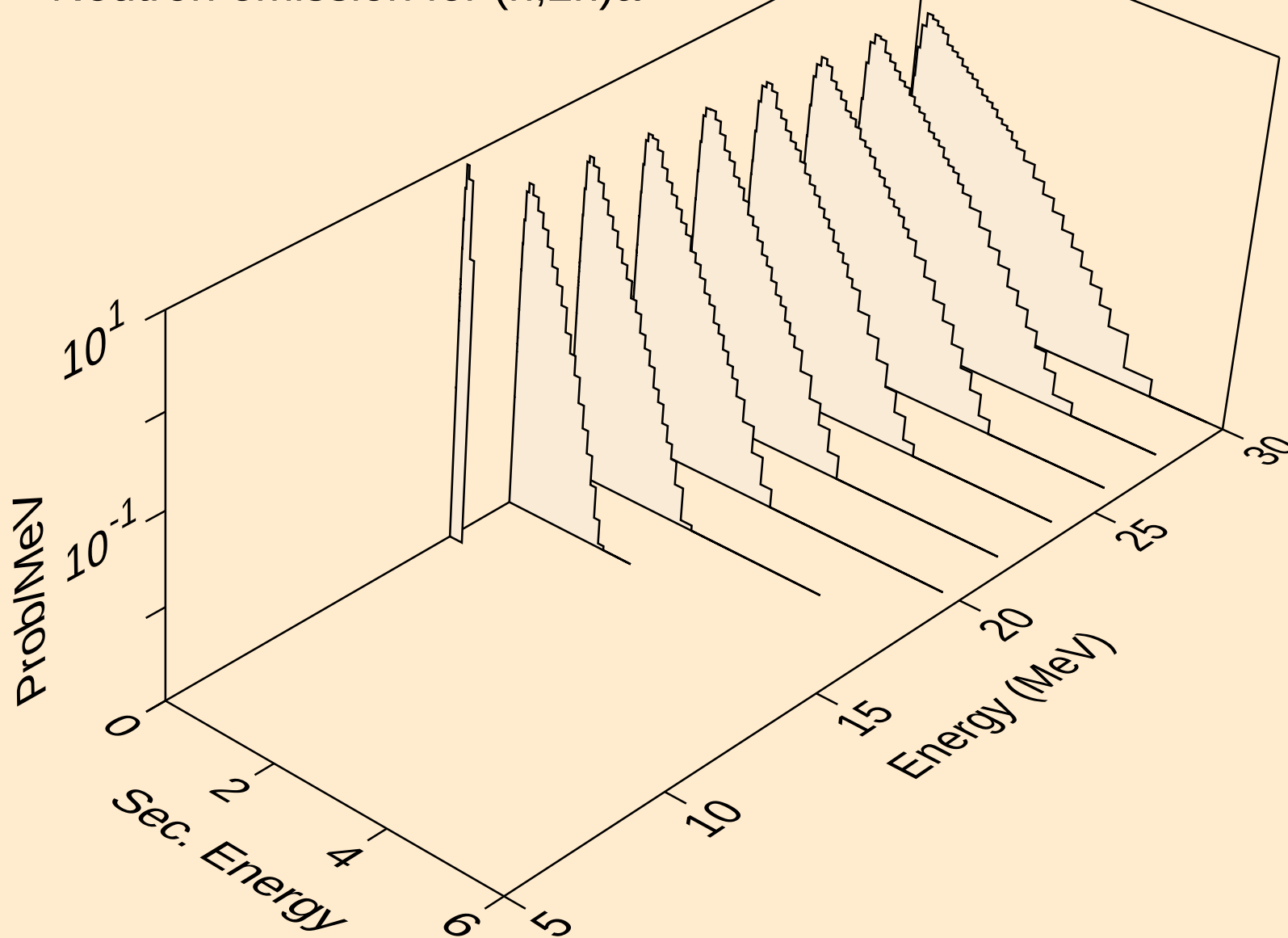
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

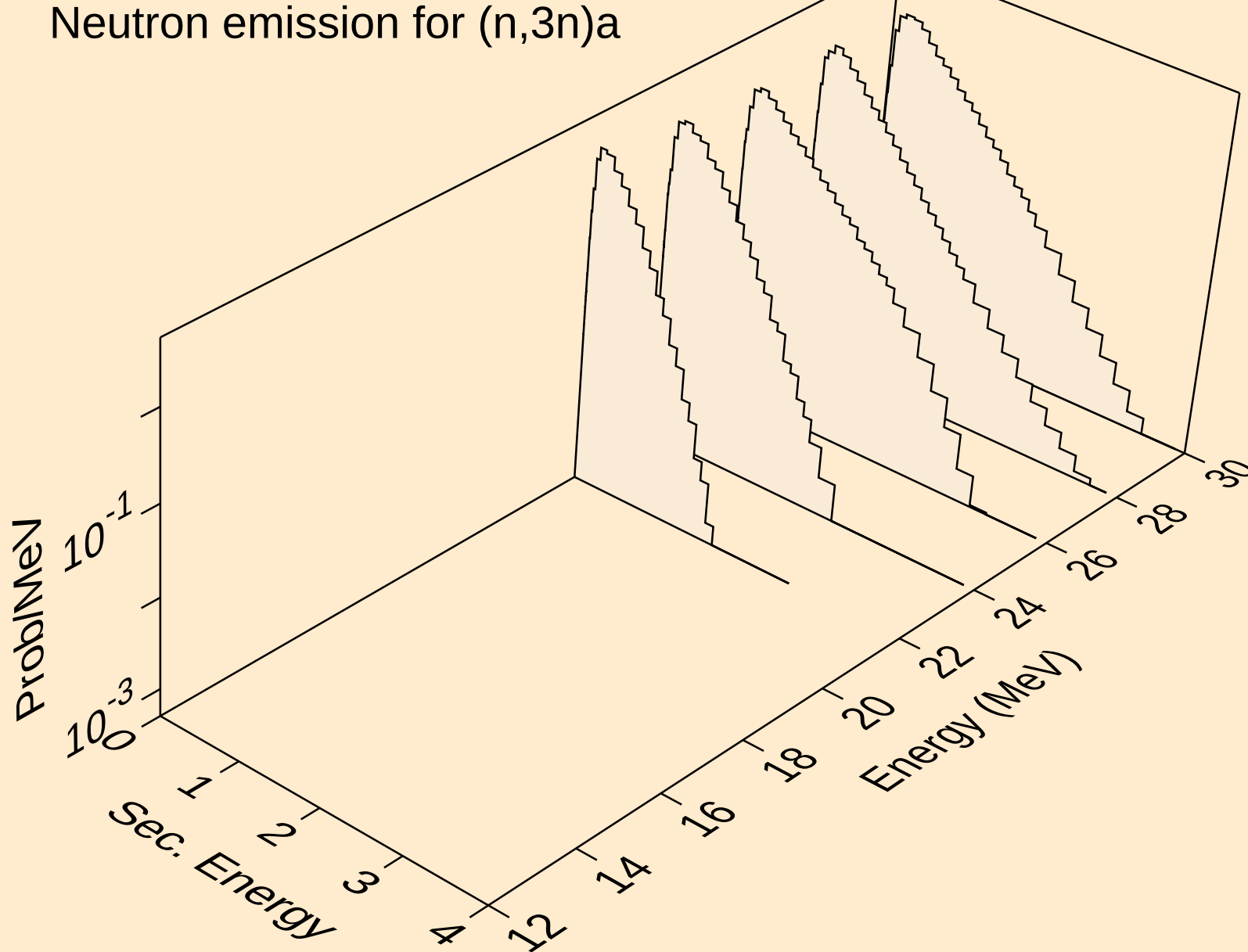


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Neutron emission for (n,2n)a

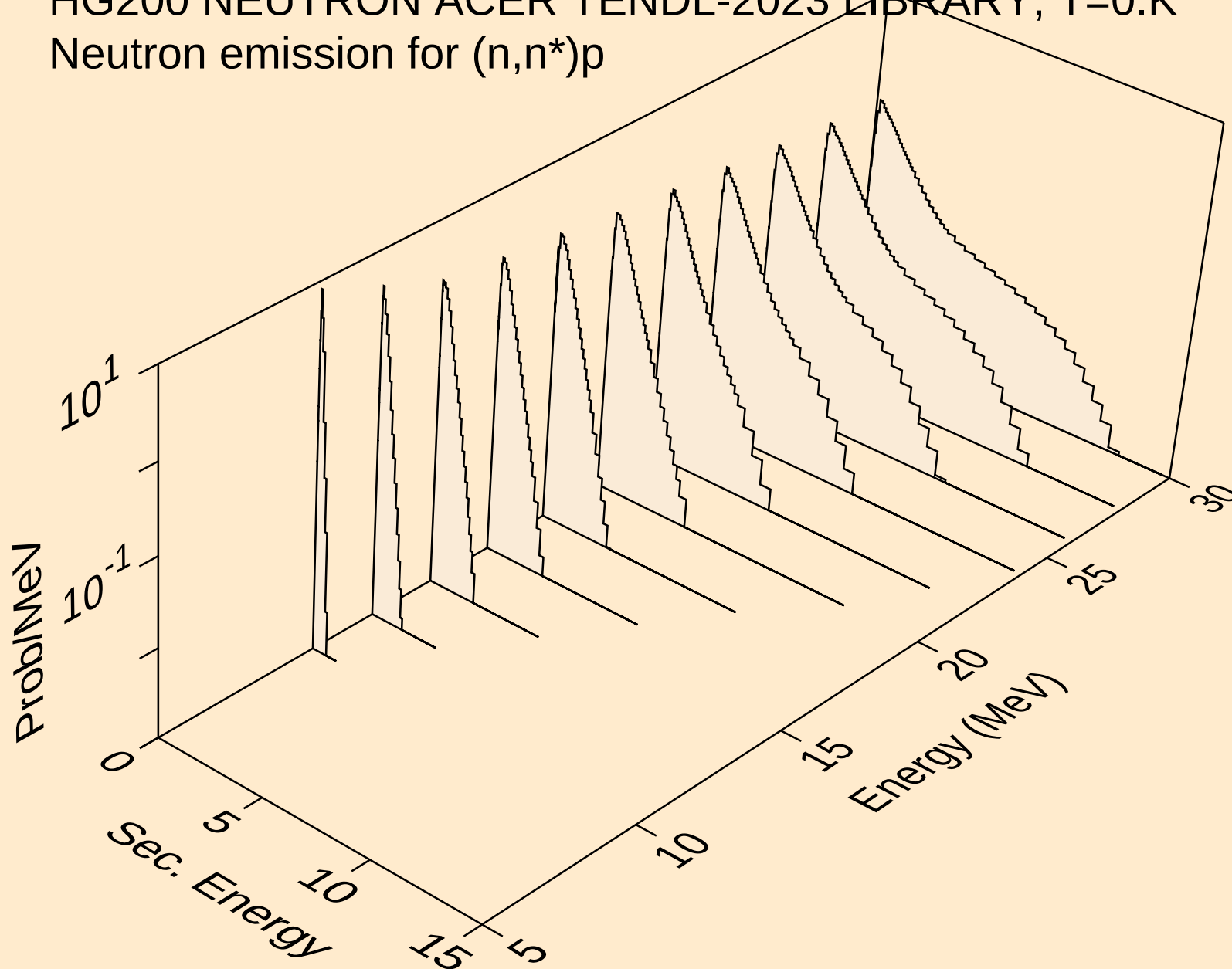




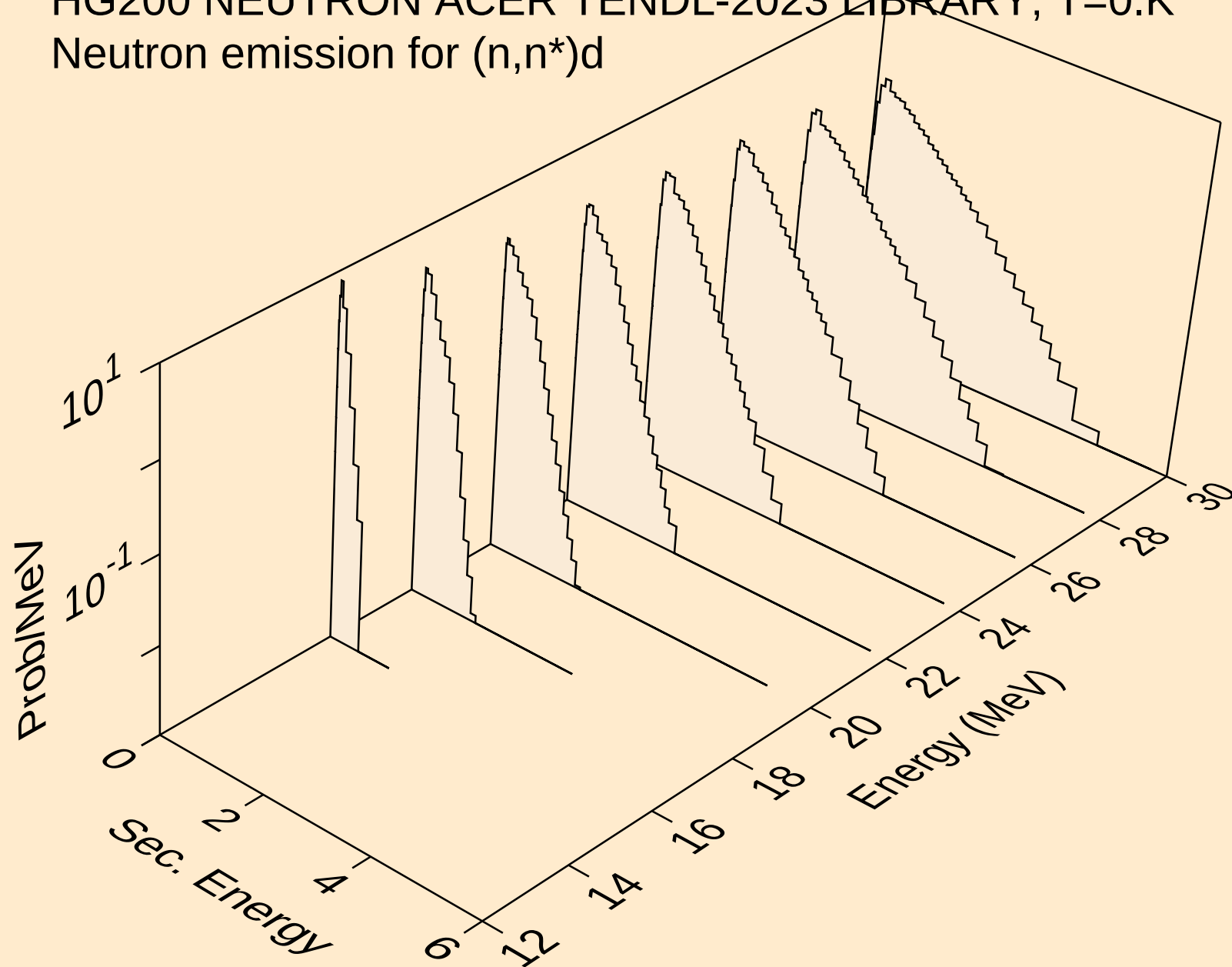
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Neutron emission for (n,3n)a



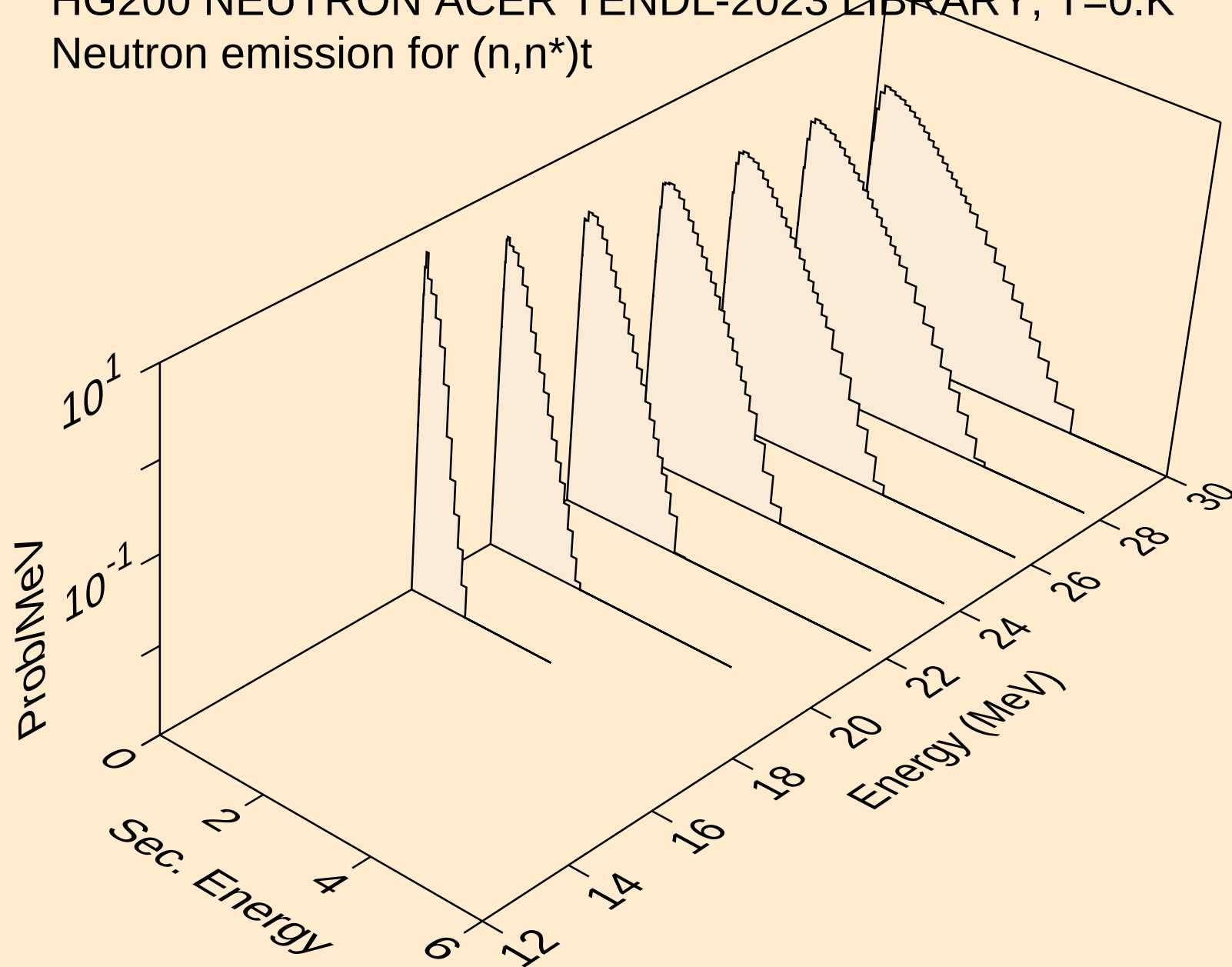
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



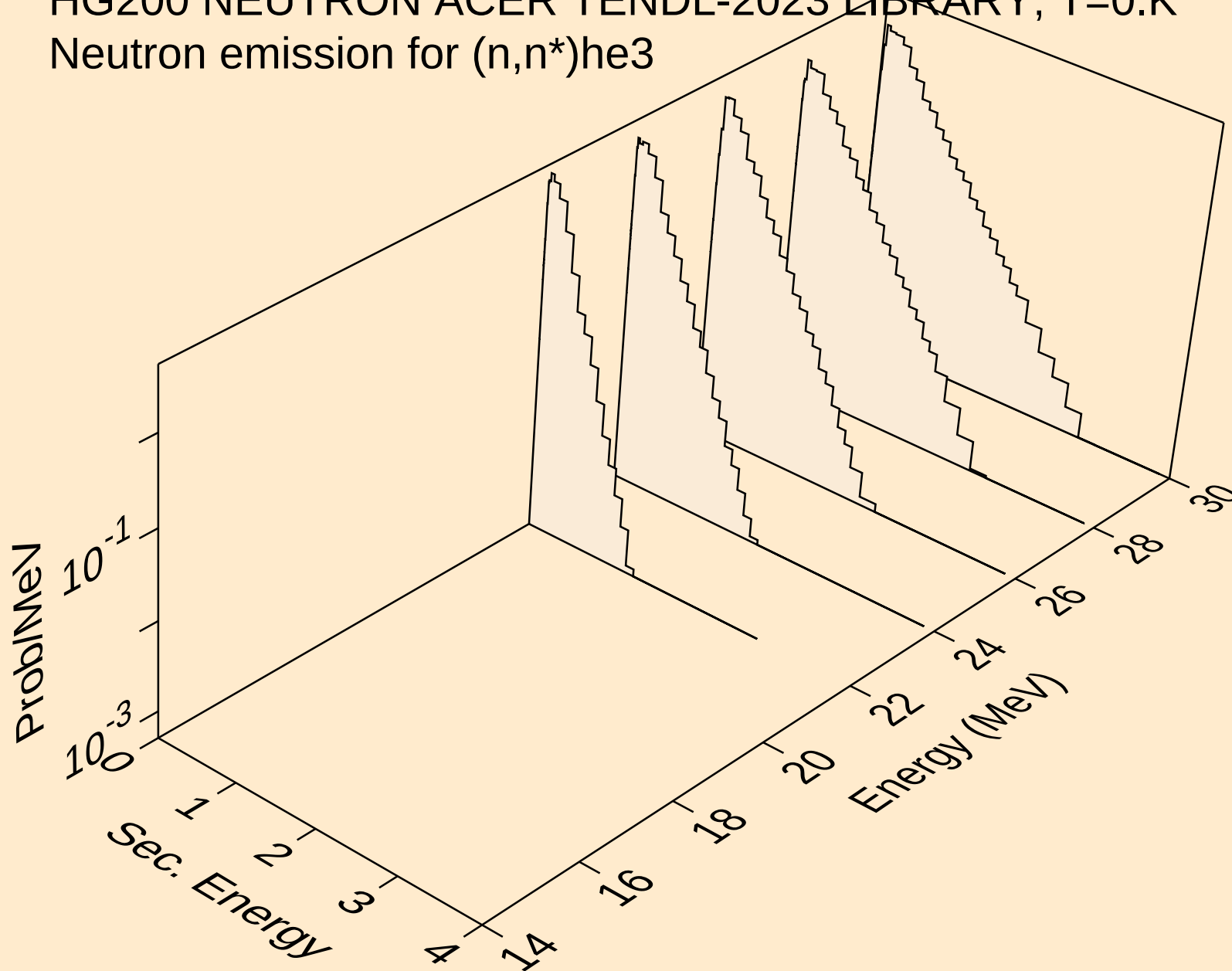
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



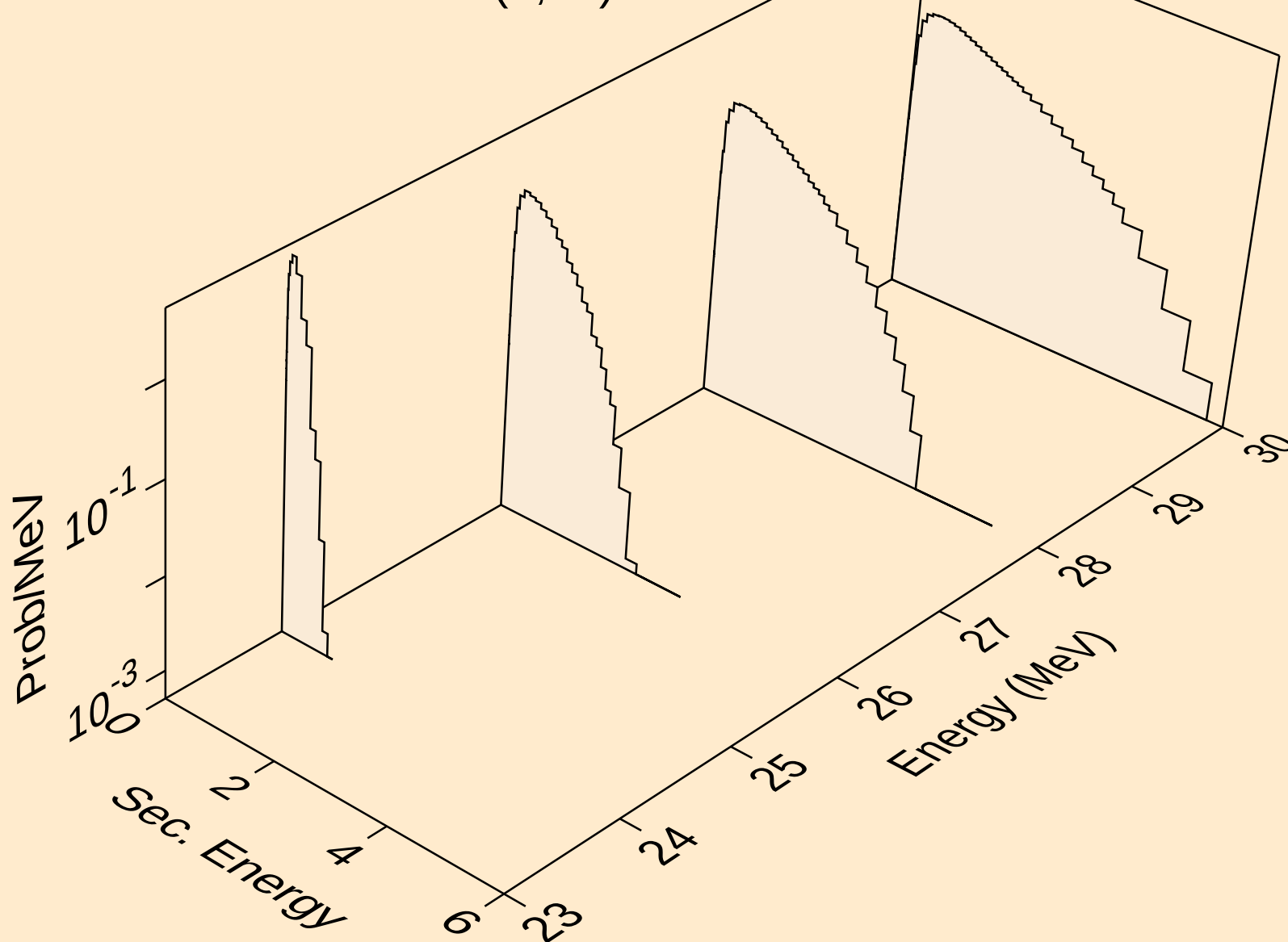
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Neutron emission for (n,n\*)t



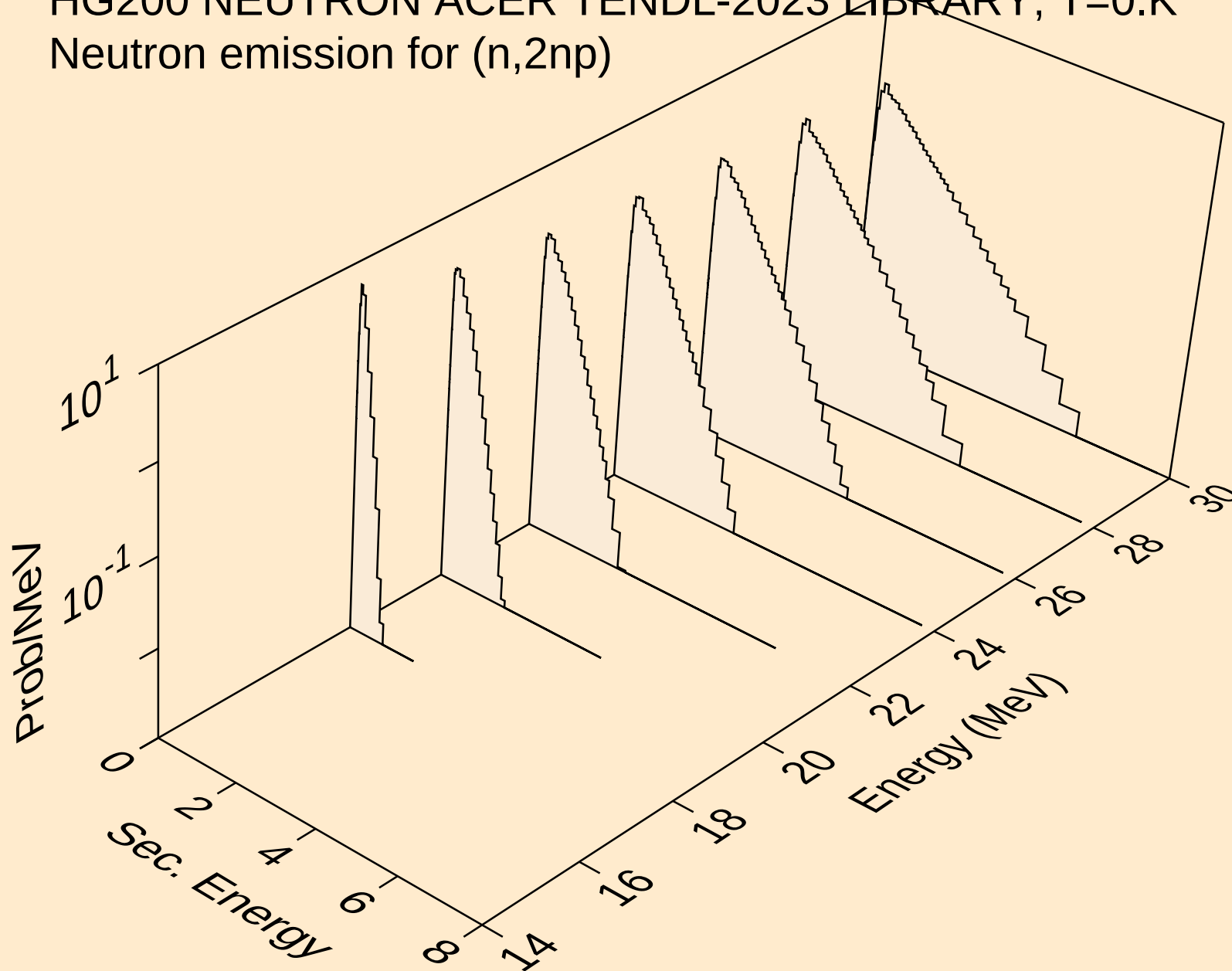
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



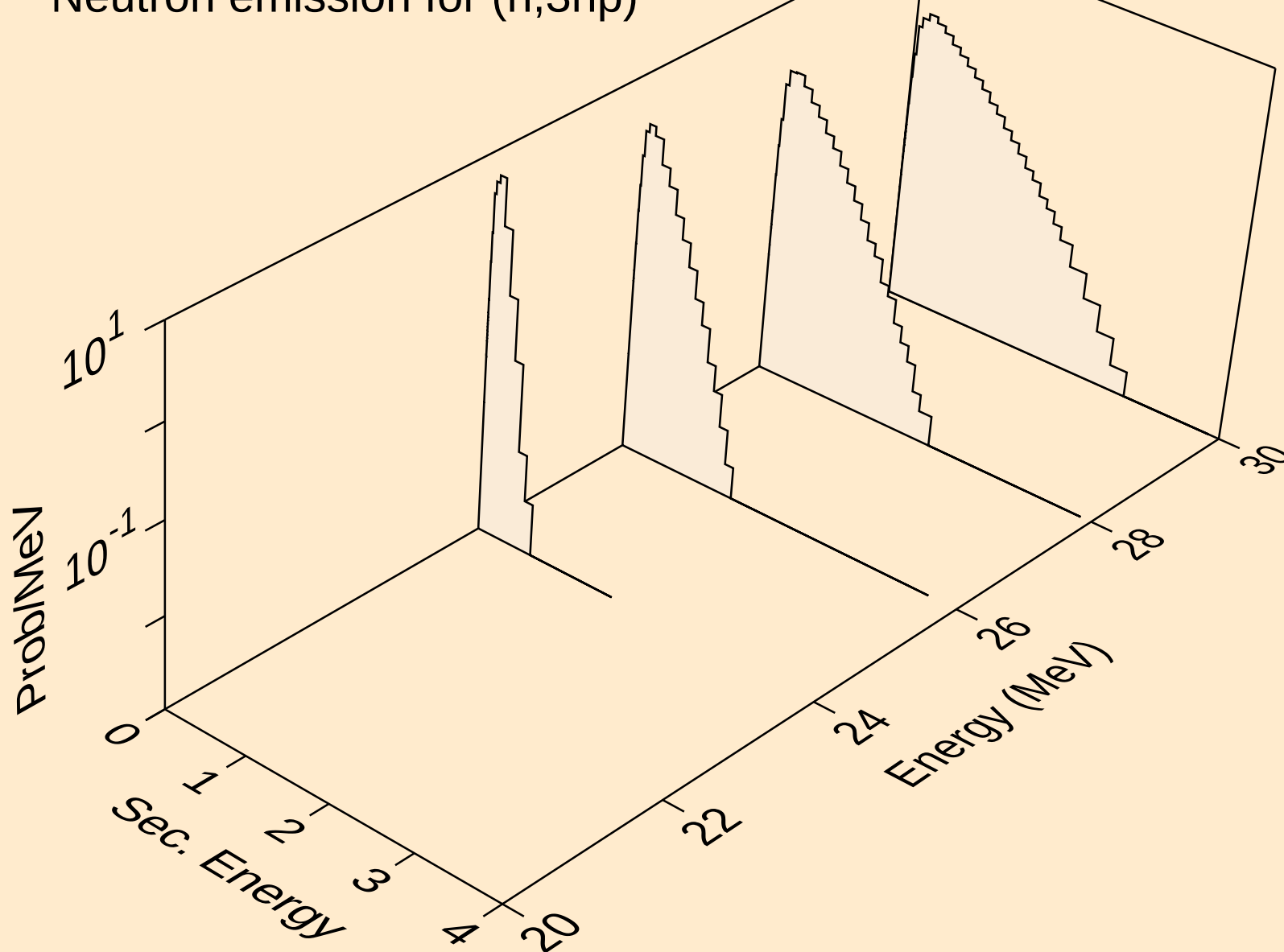
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

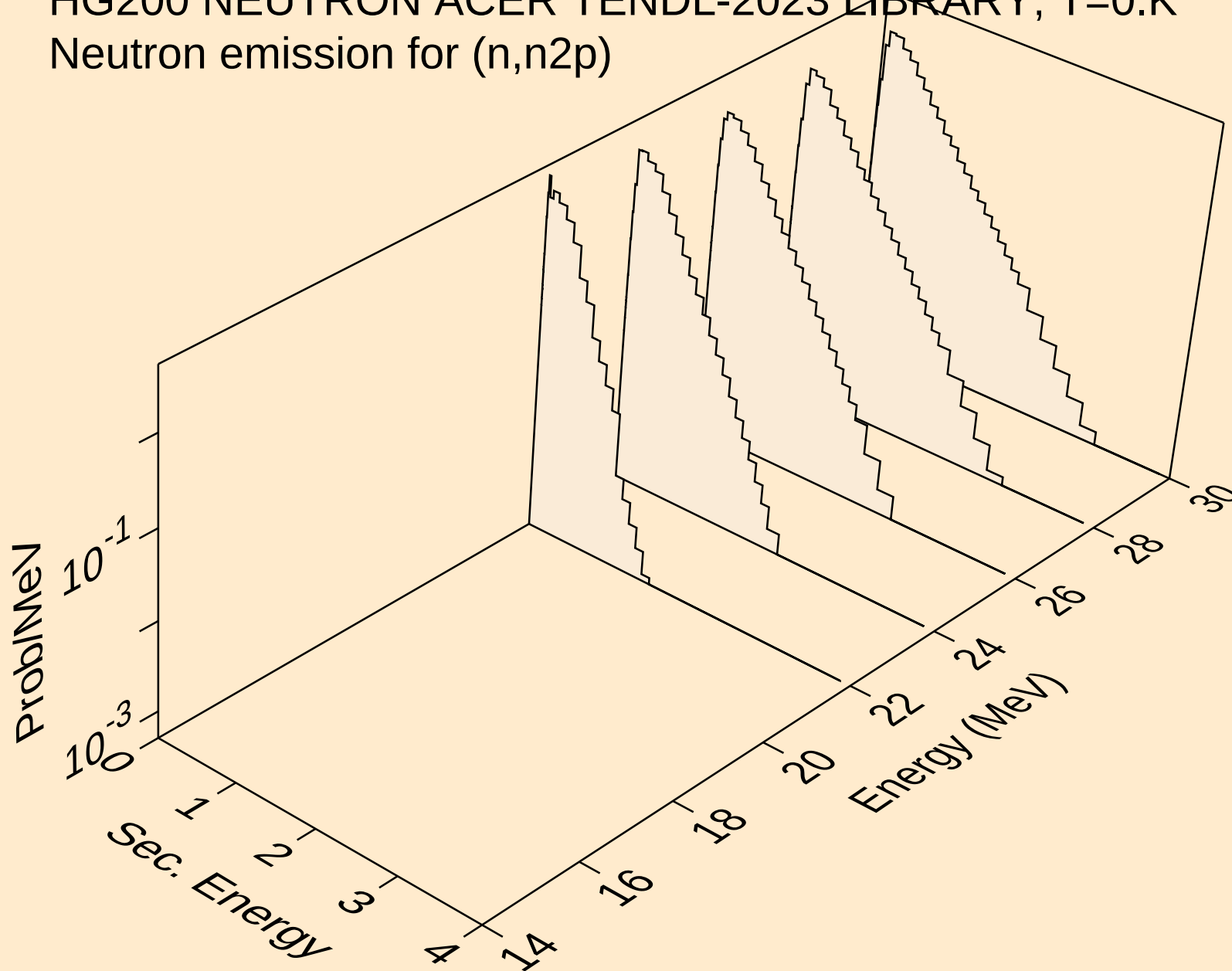


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Neutron emission for (n,3np)

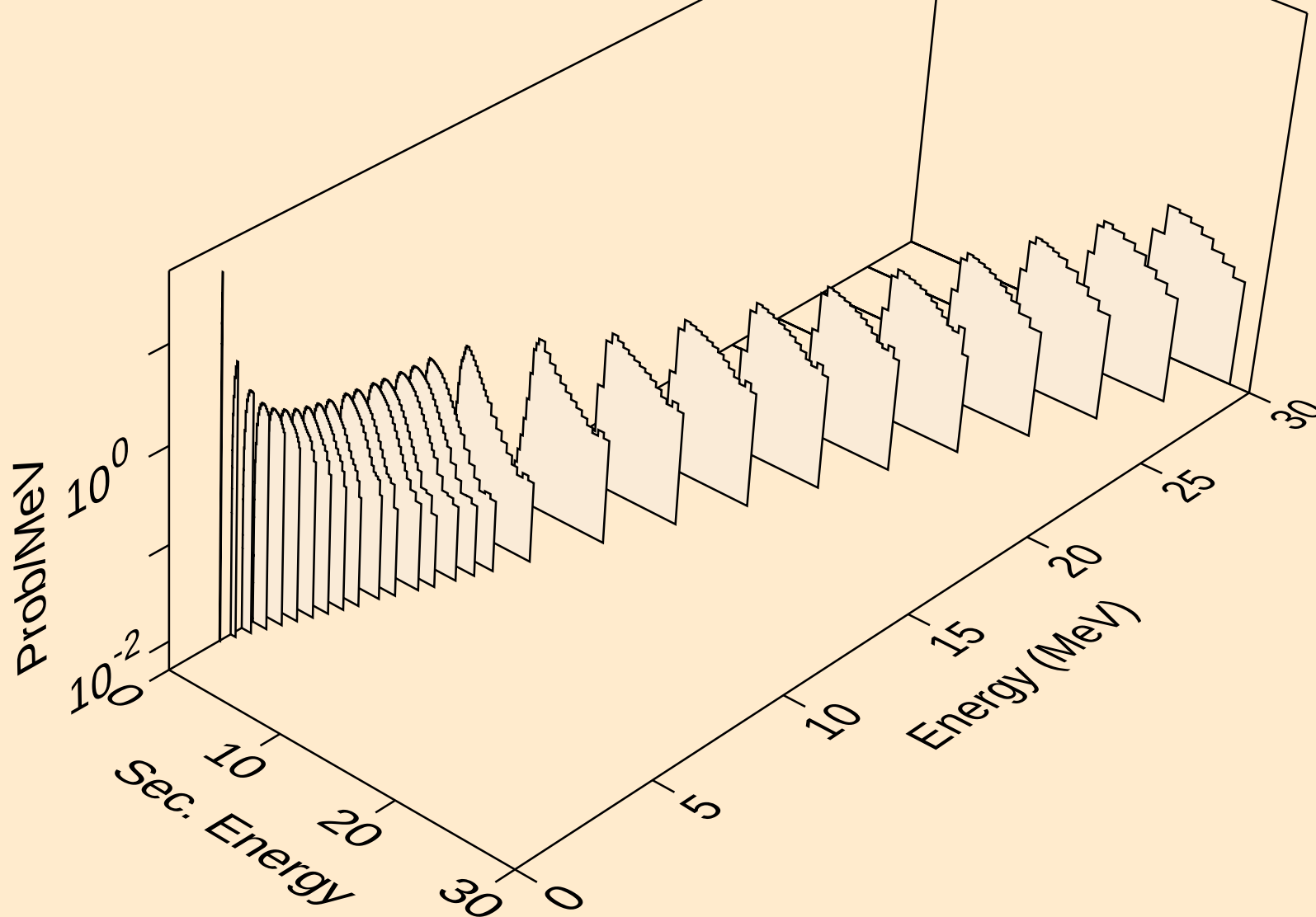




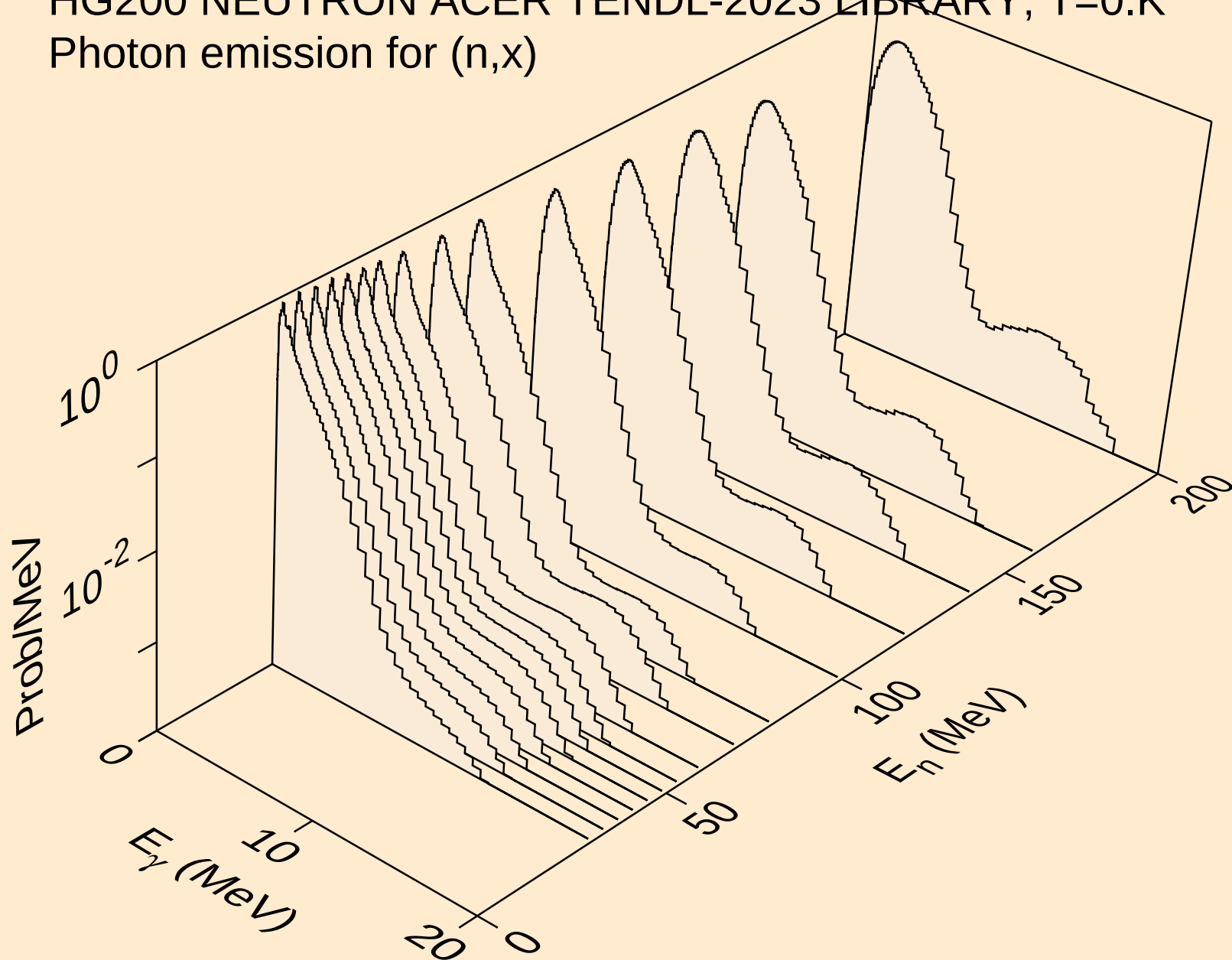
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Neutron emission for (n,n2p)



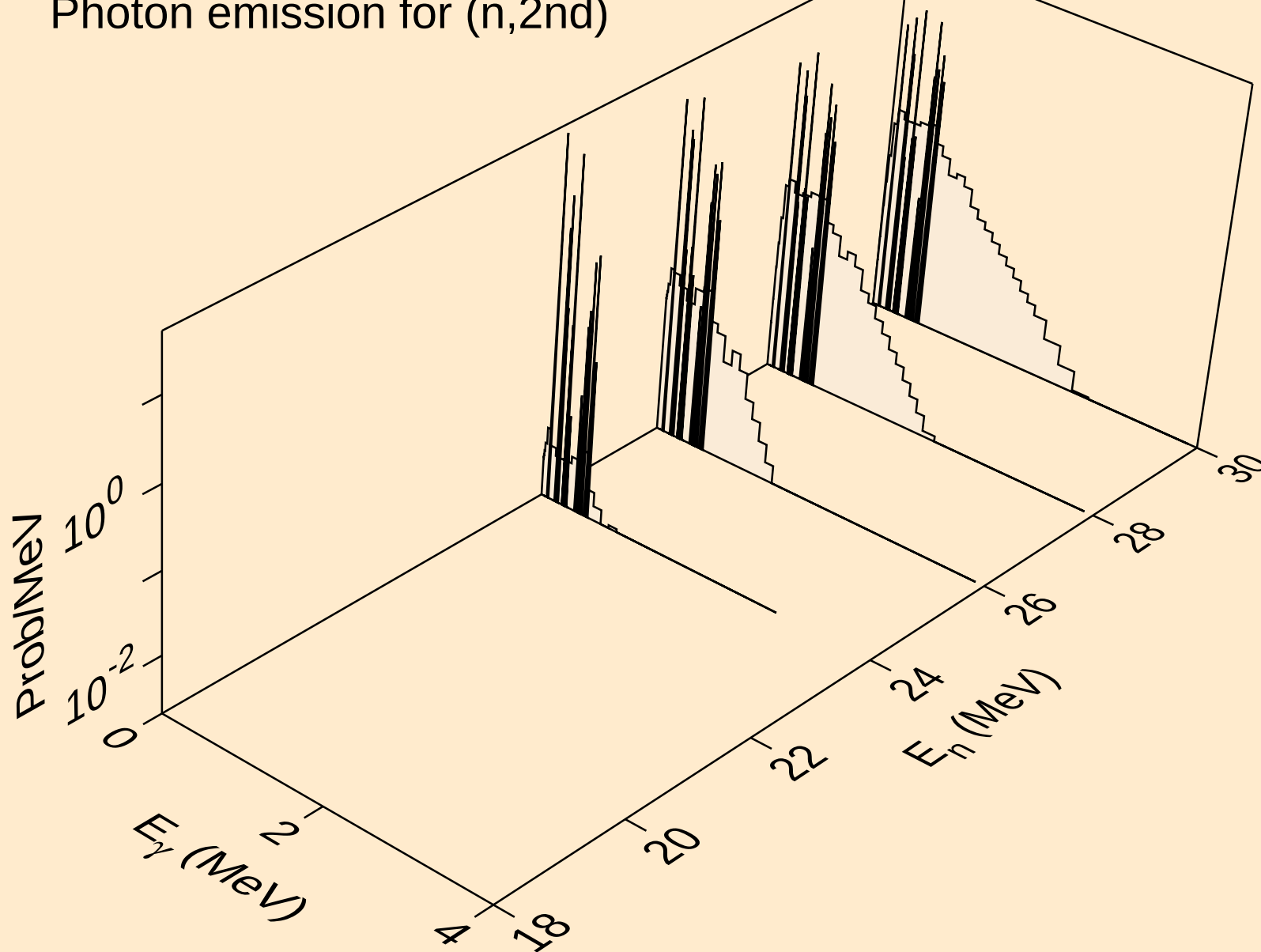
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Neutron emission for (n,n\*c)



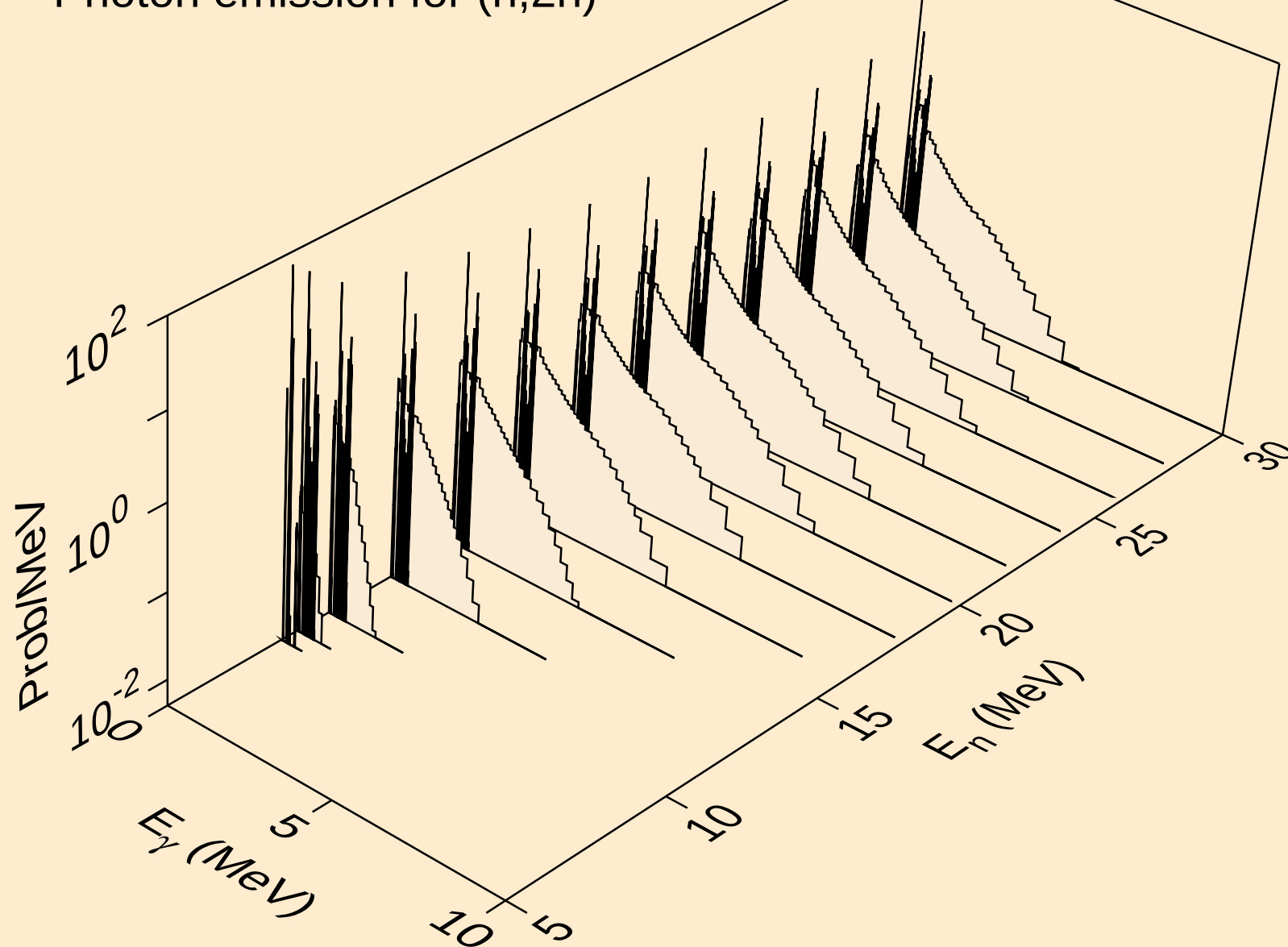
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



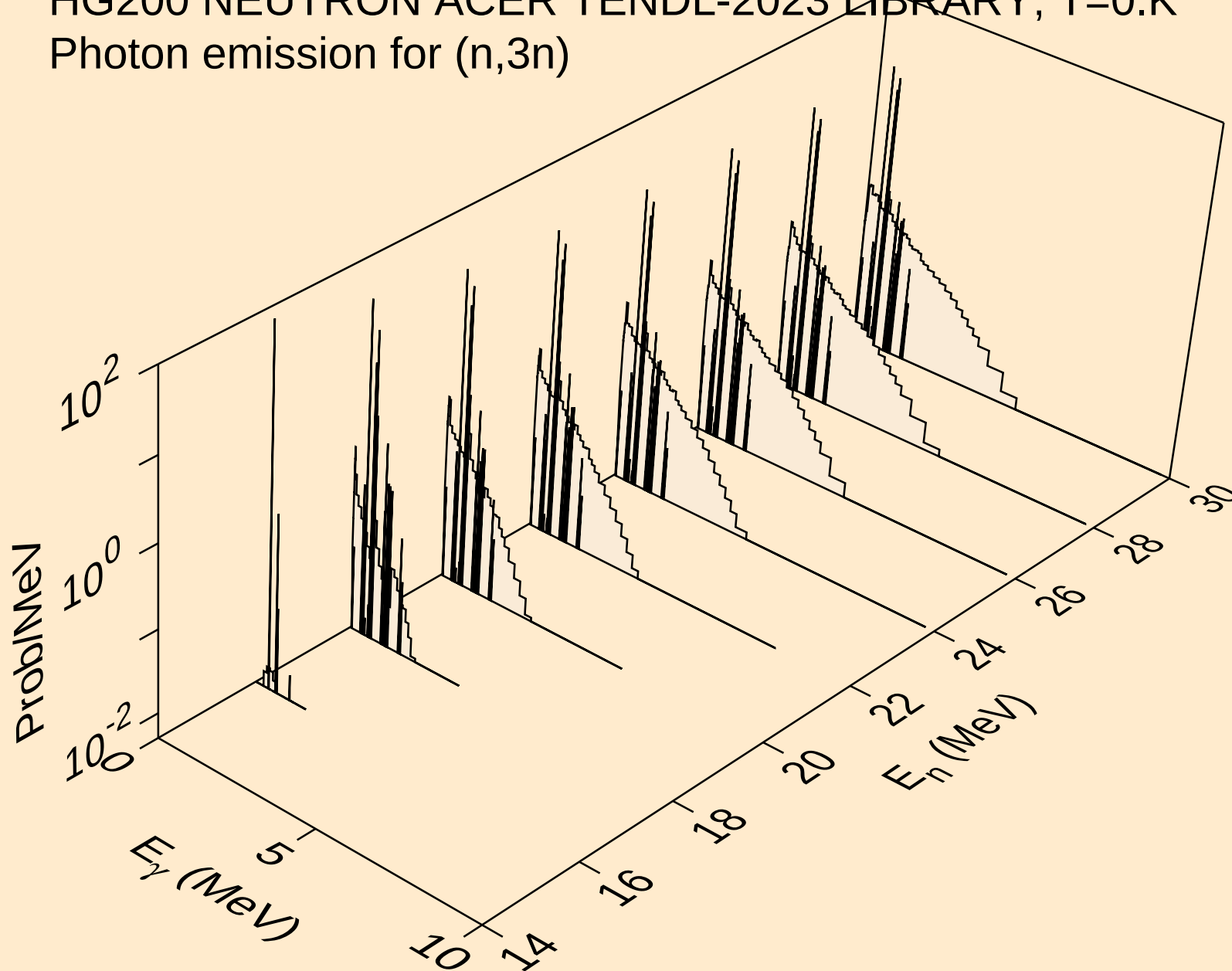
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



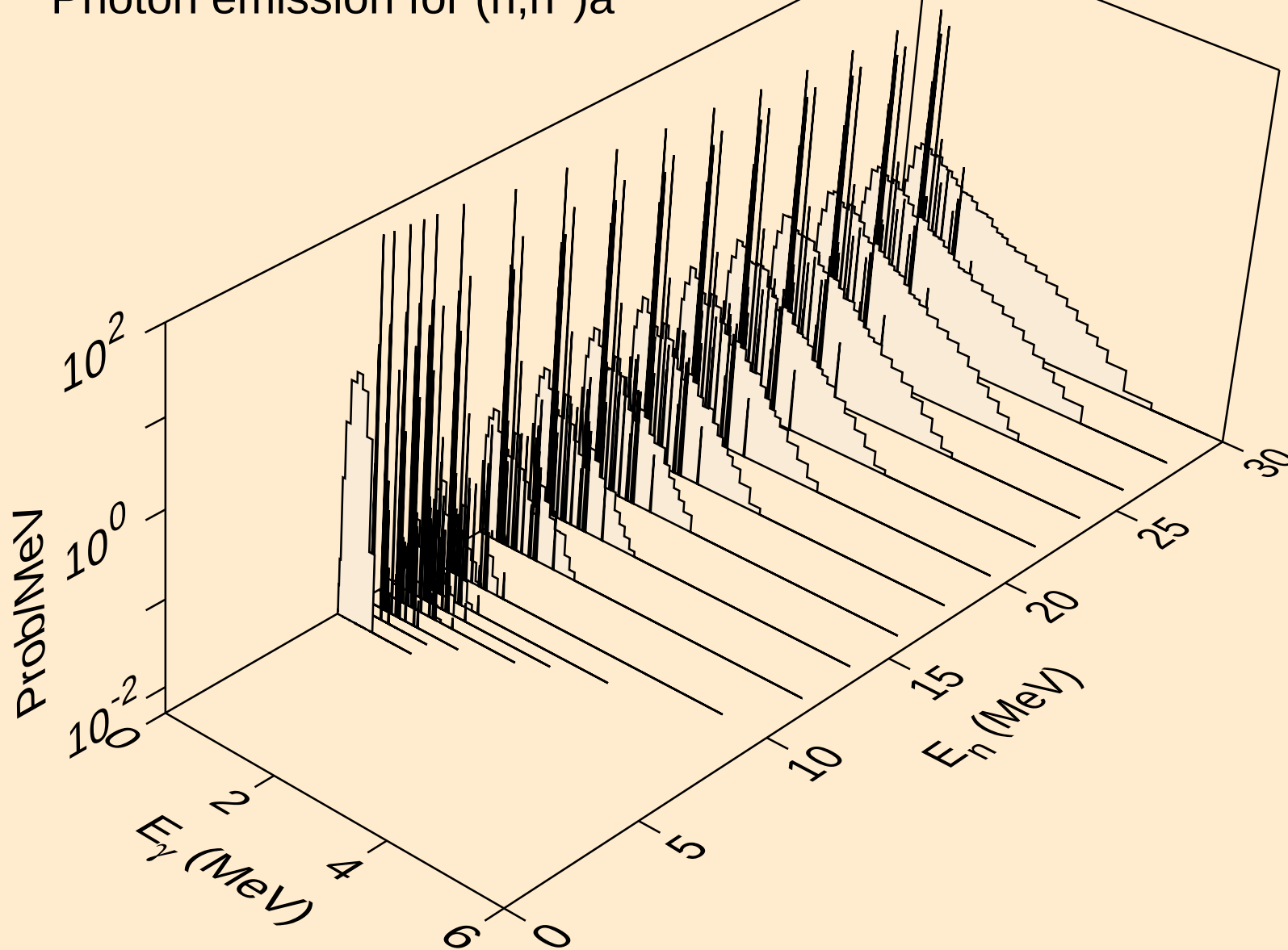
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



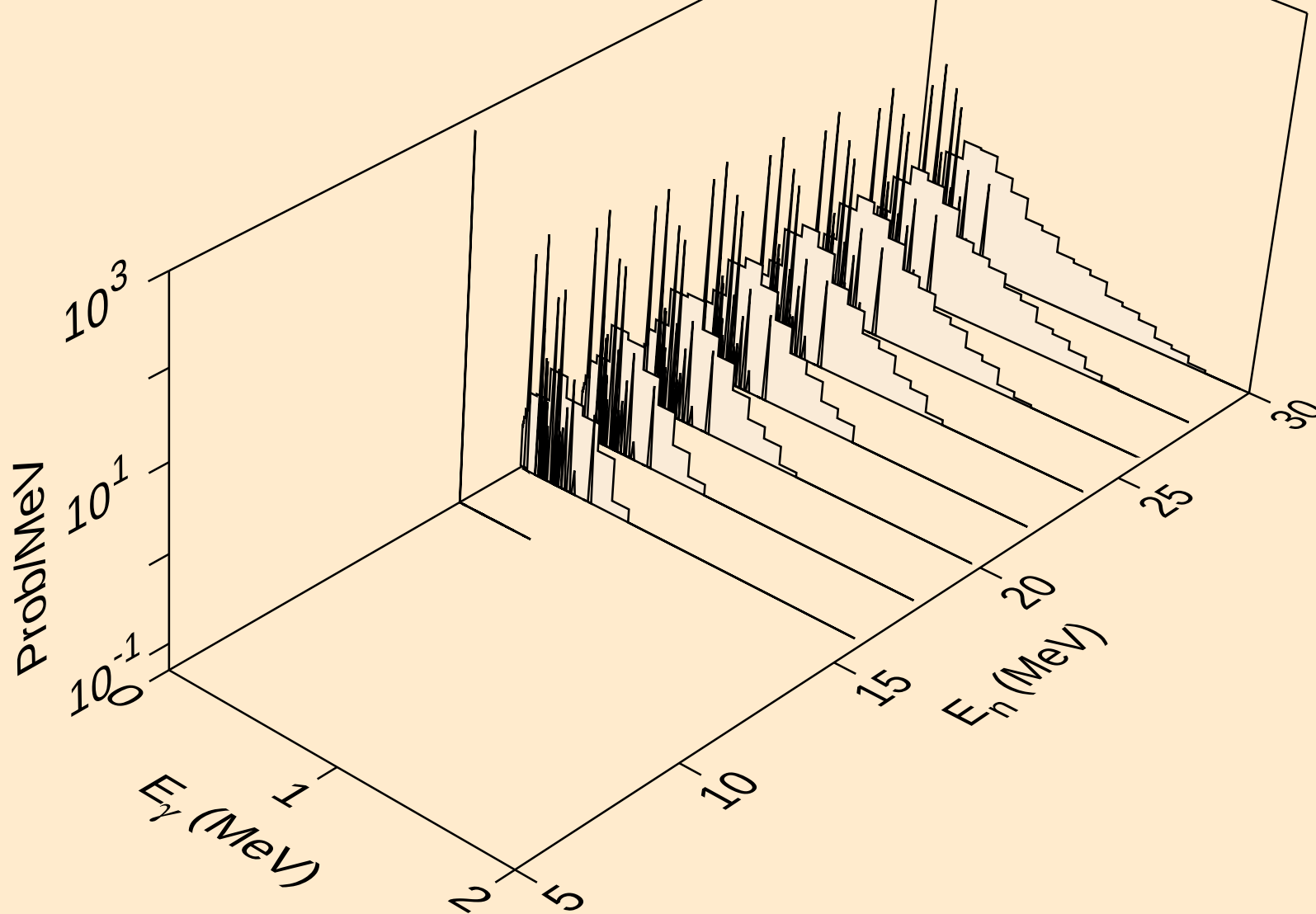
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)a$

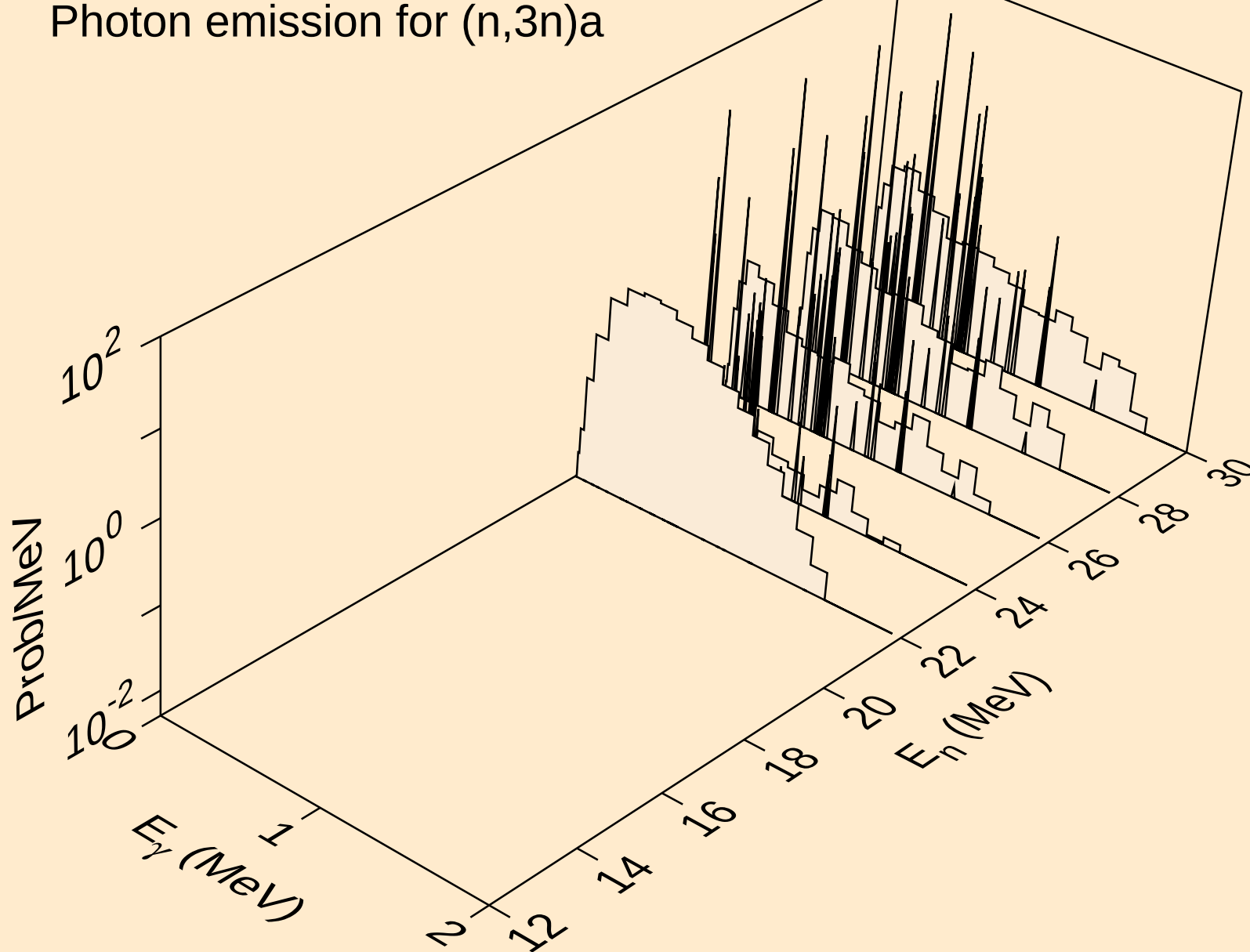


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$

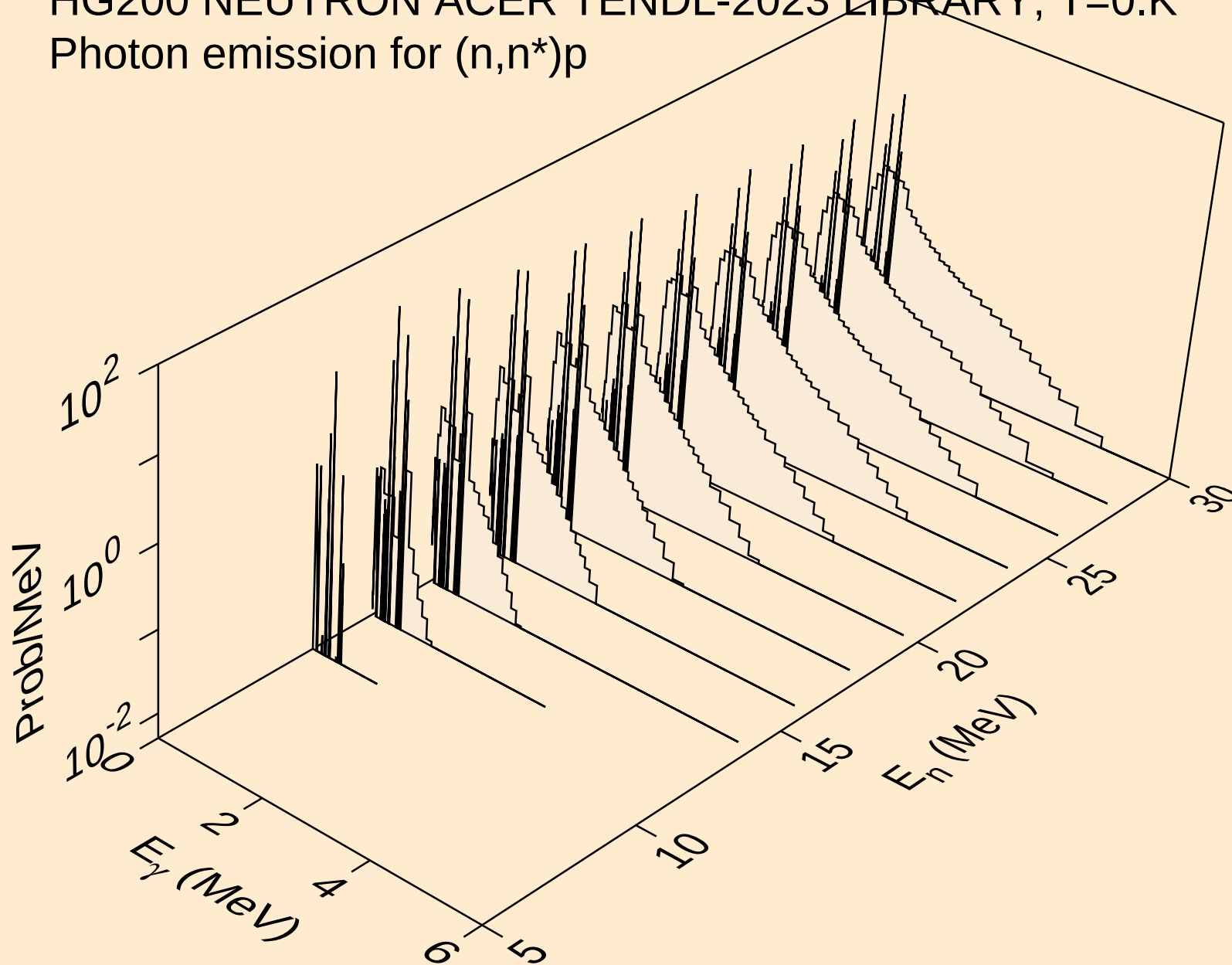




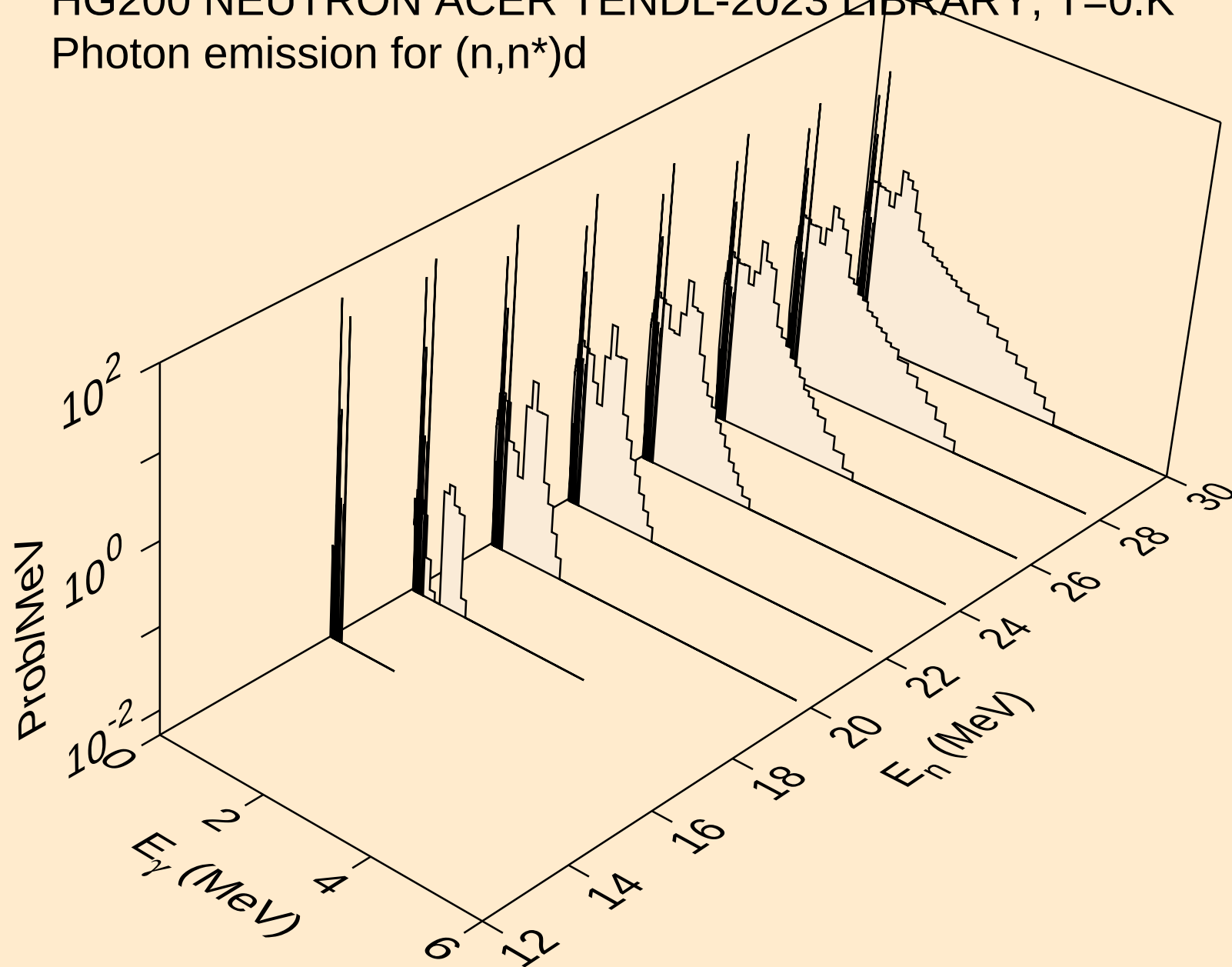
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



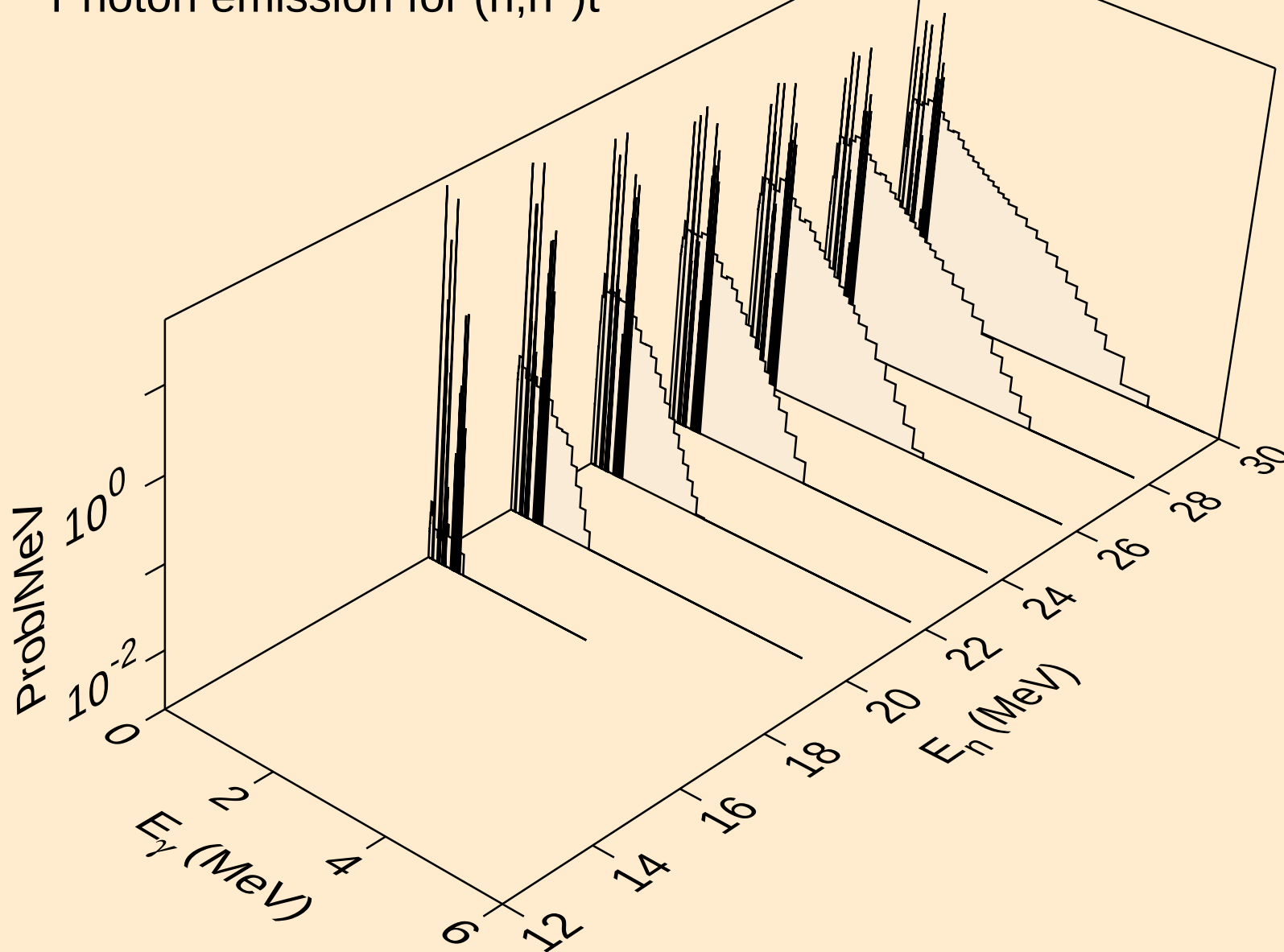
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)p$



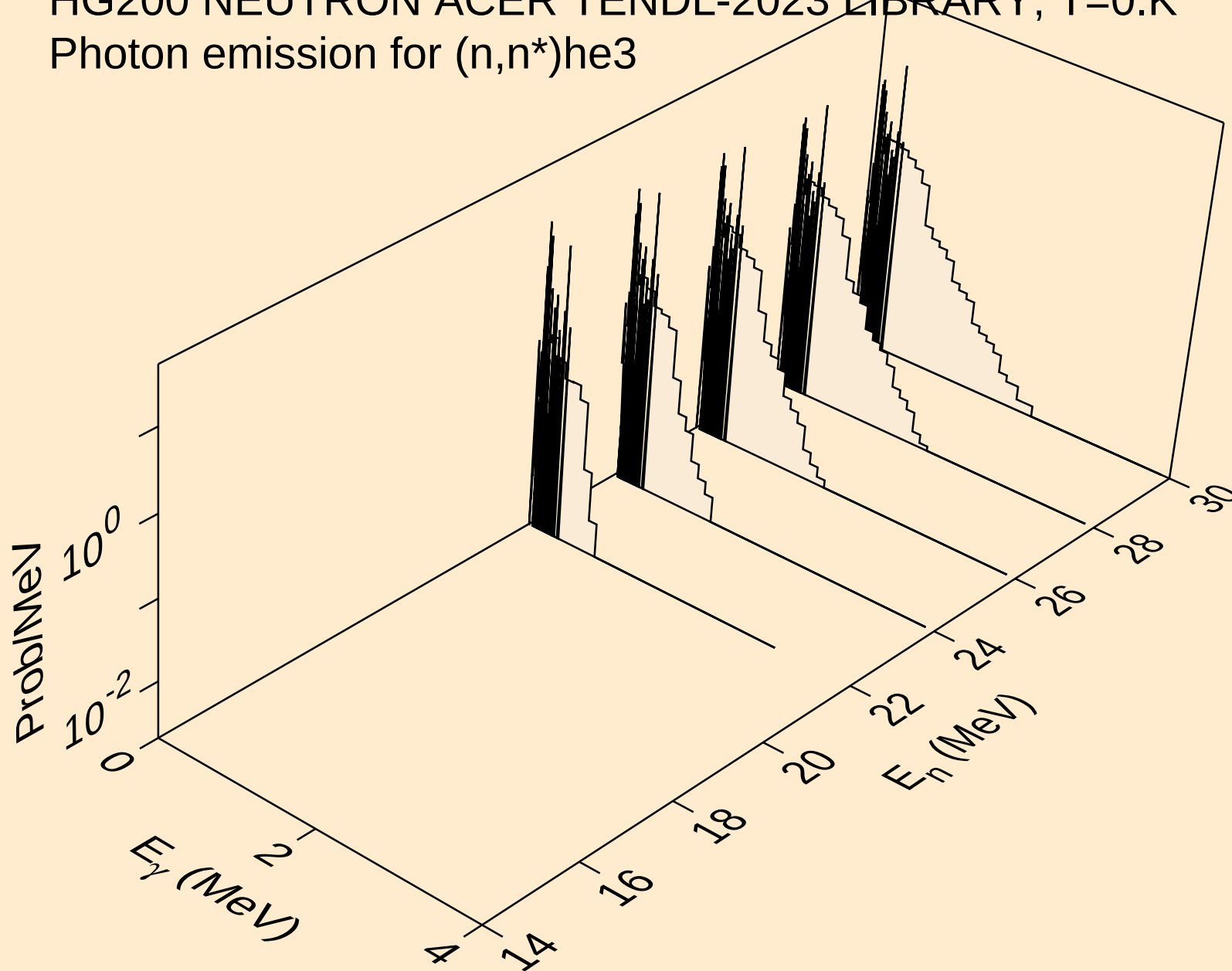
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)d$



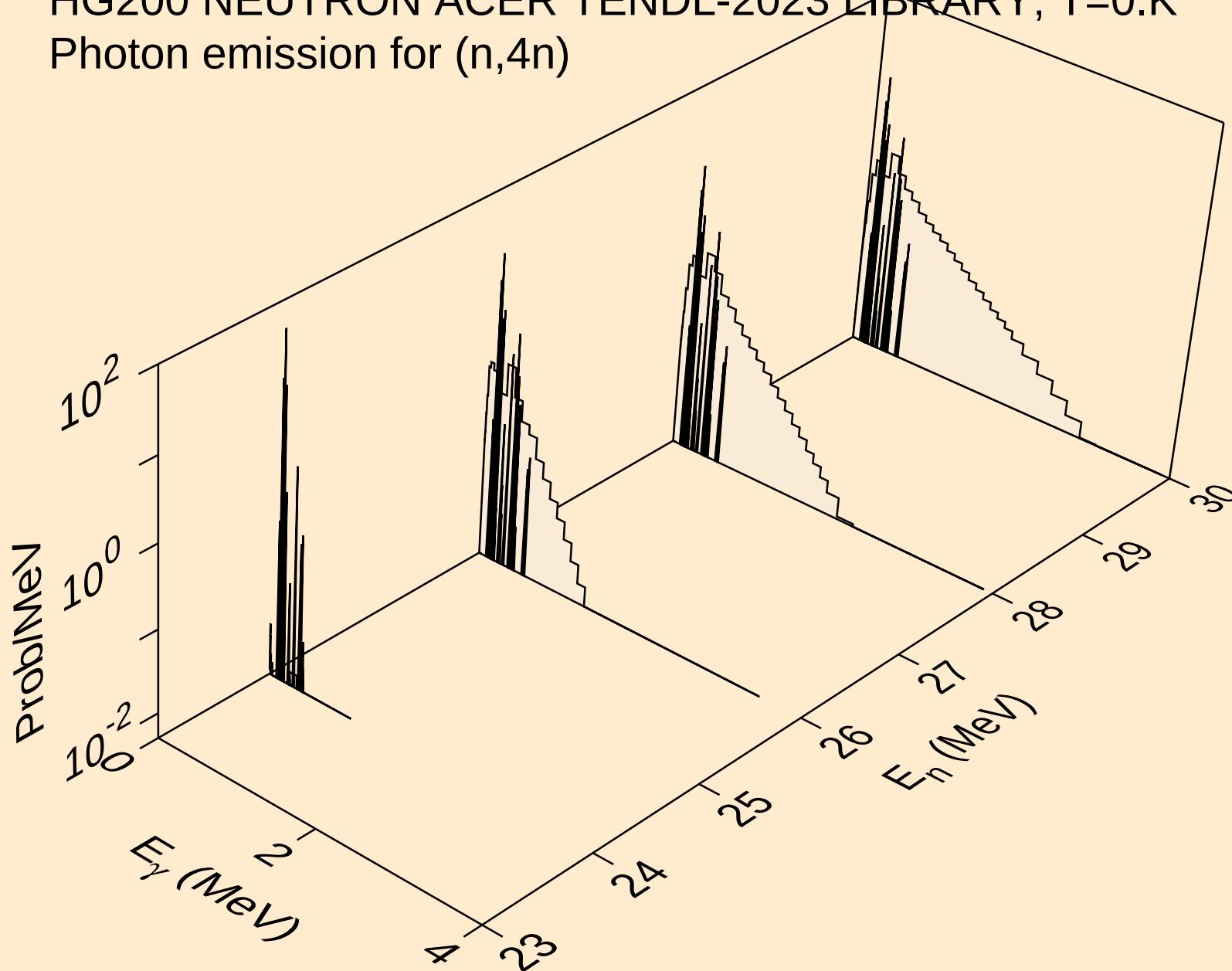
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



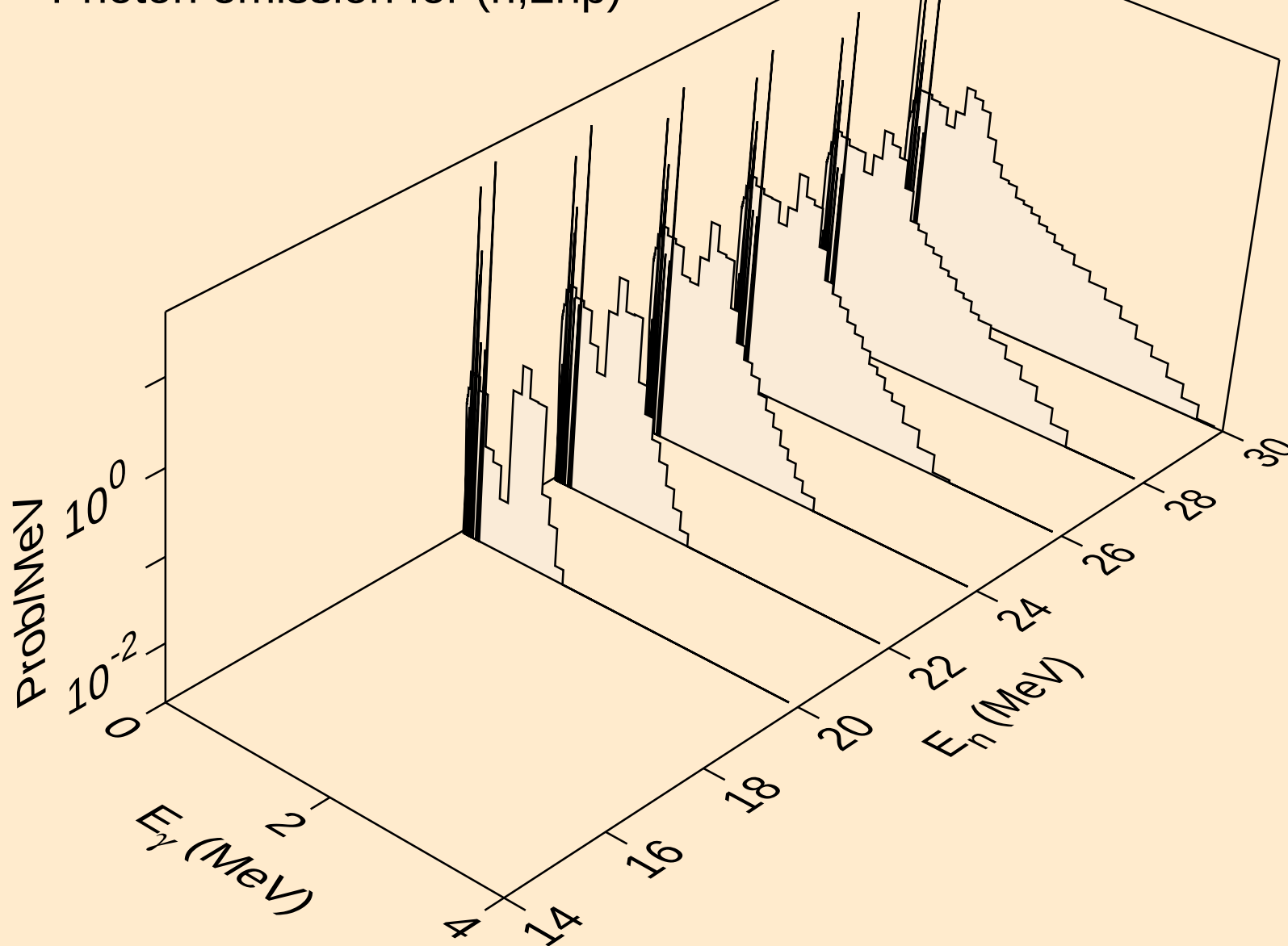
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



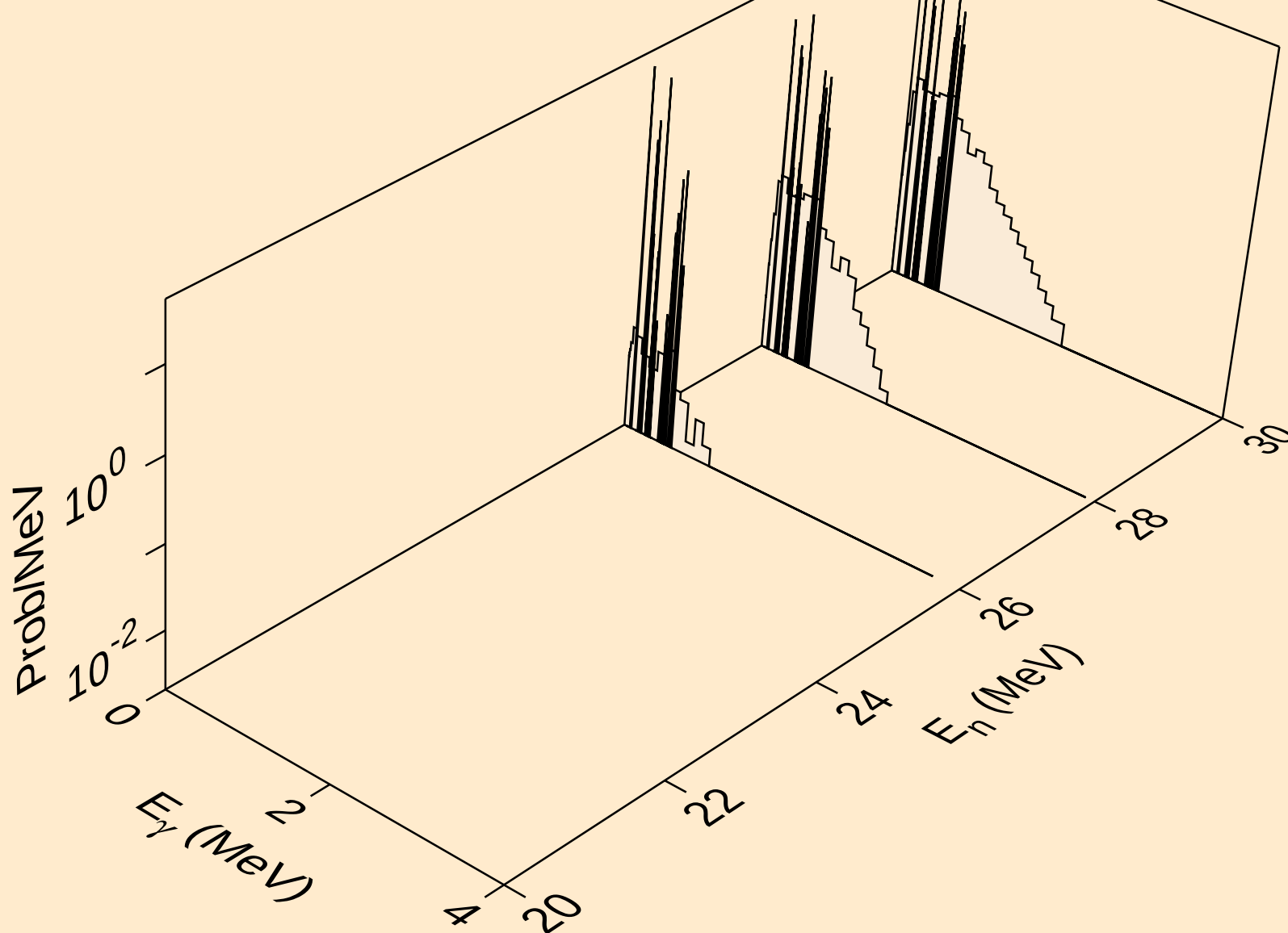
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)

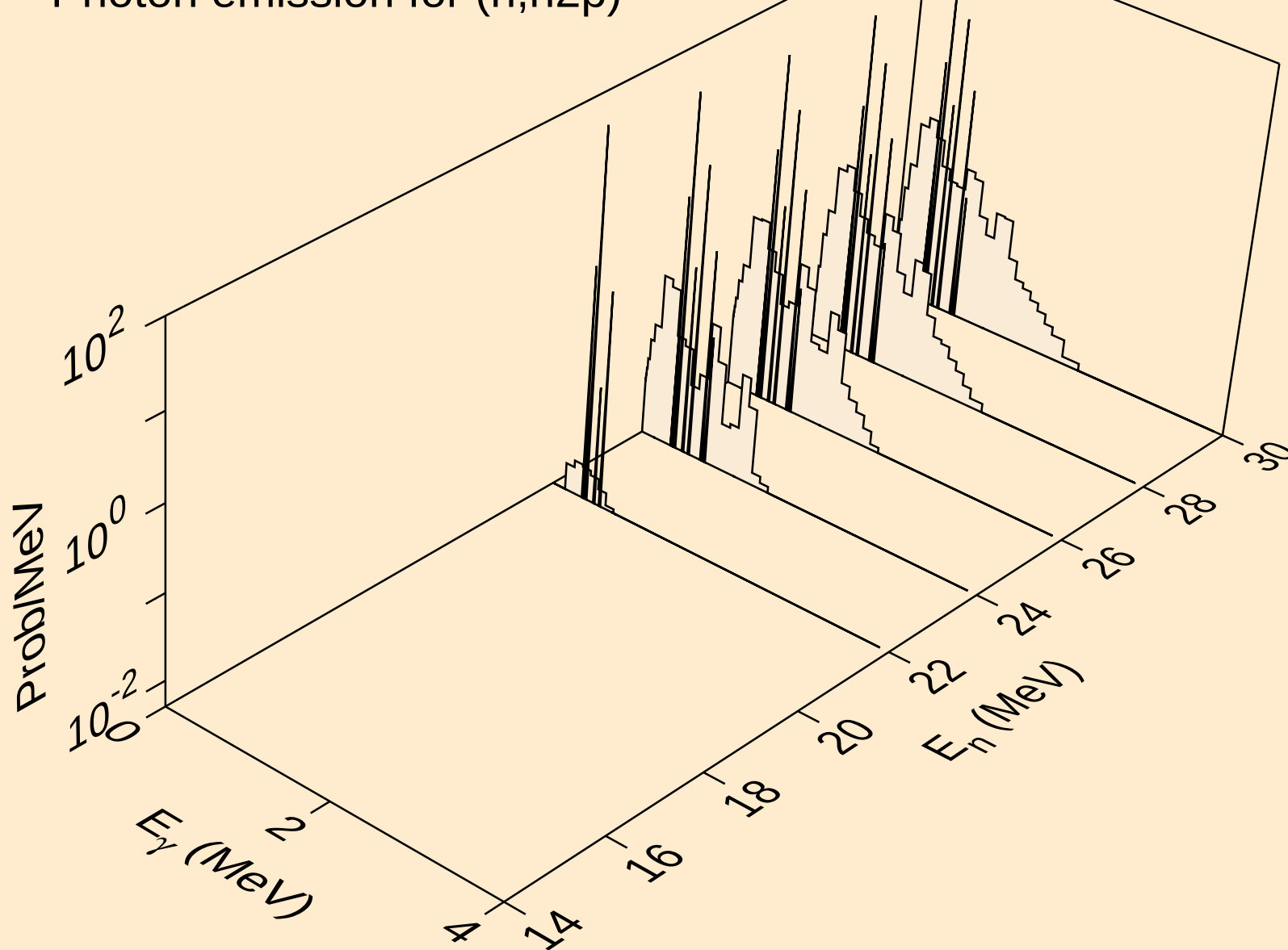


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

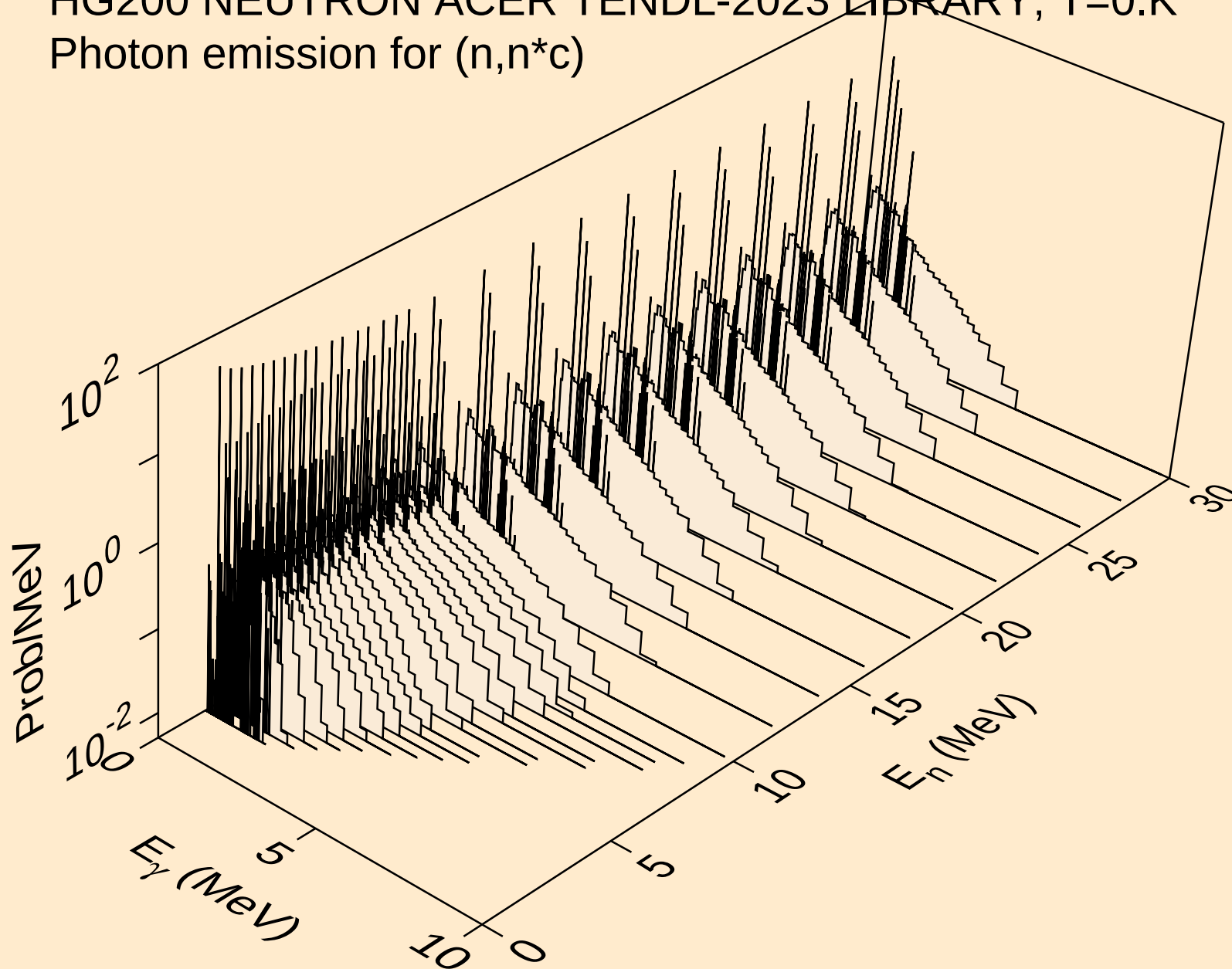




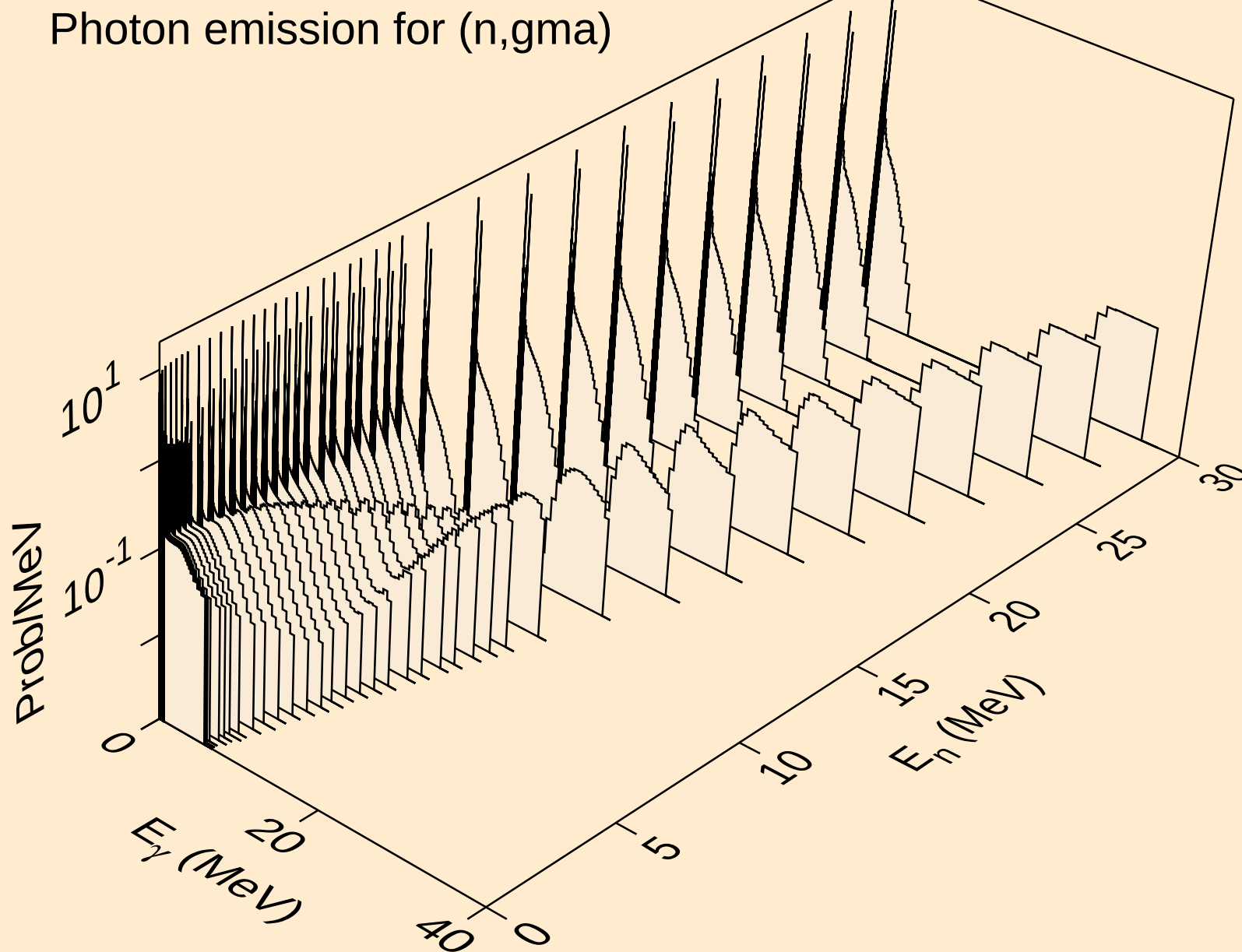
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n2p)



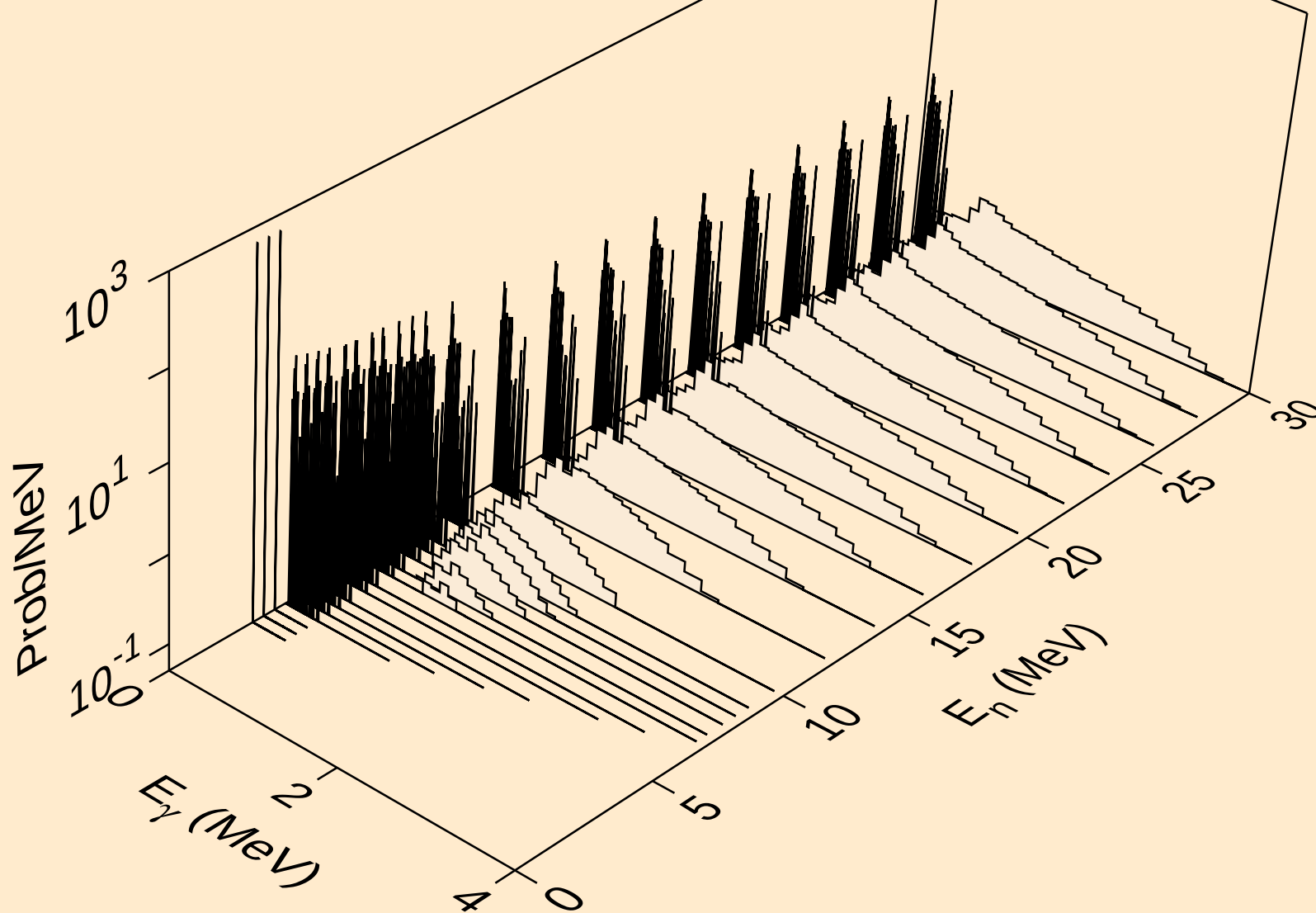
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Photon emission for (n,n\*c)



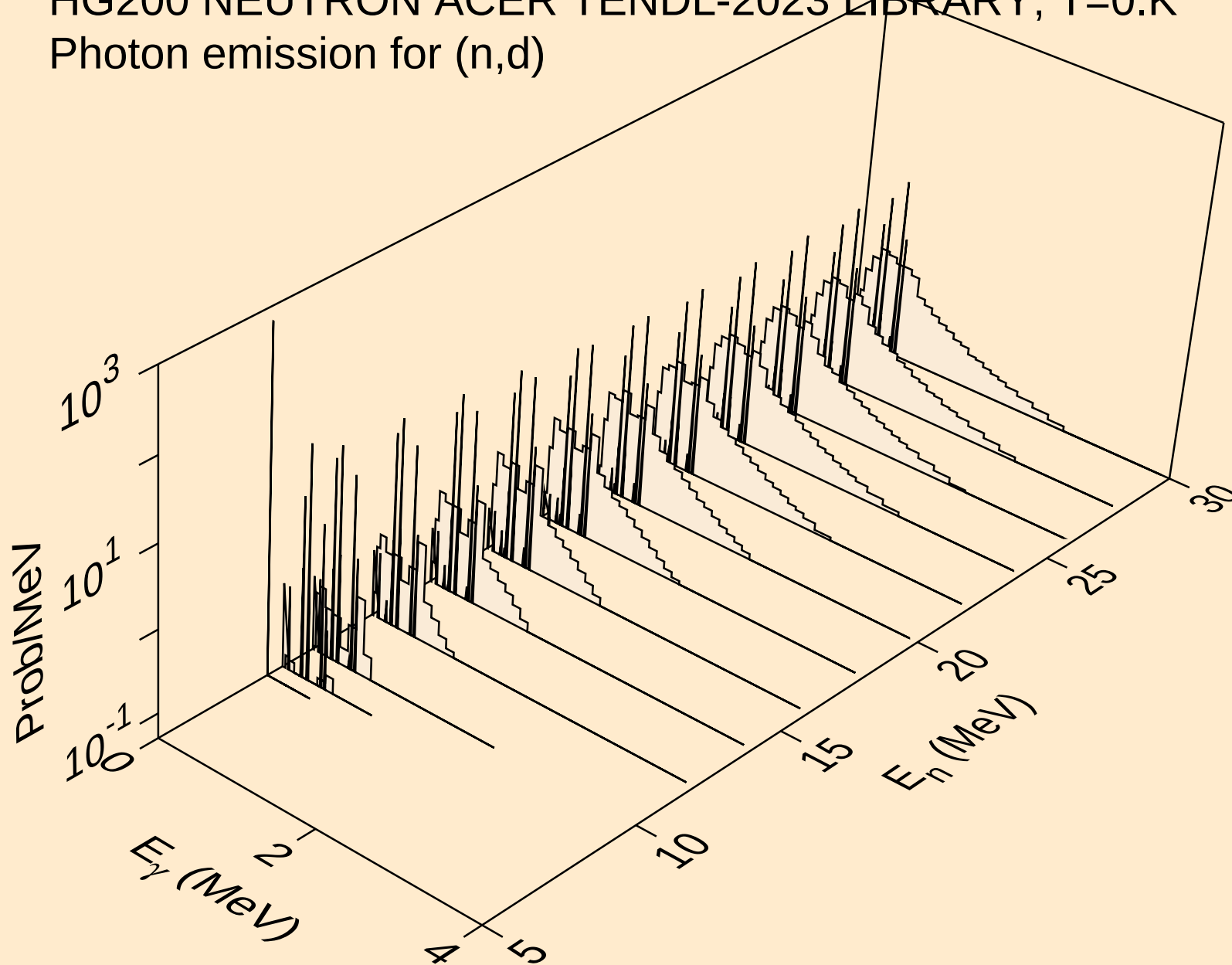
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



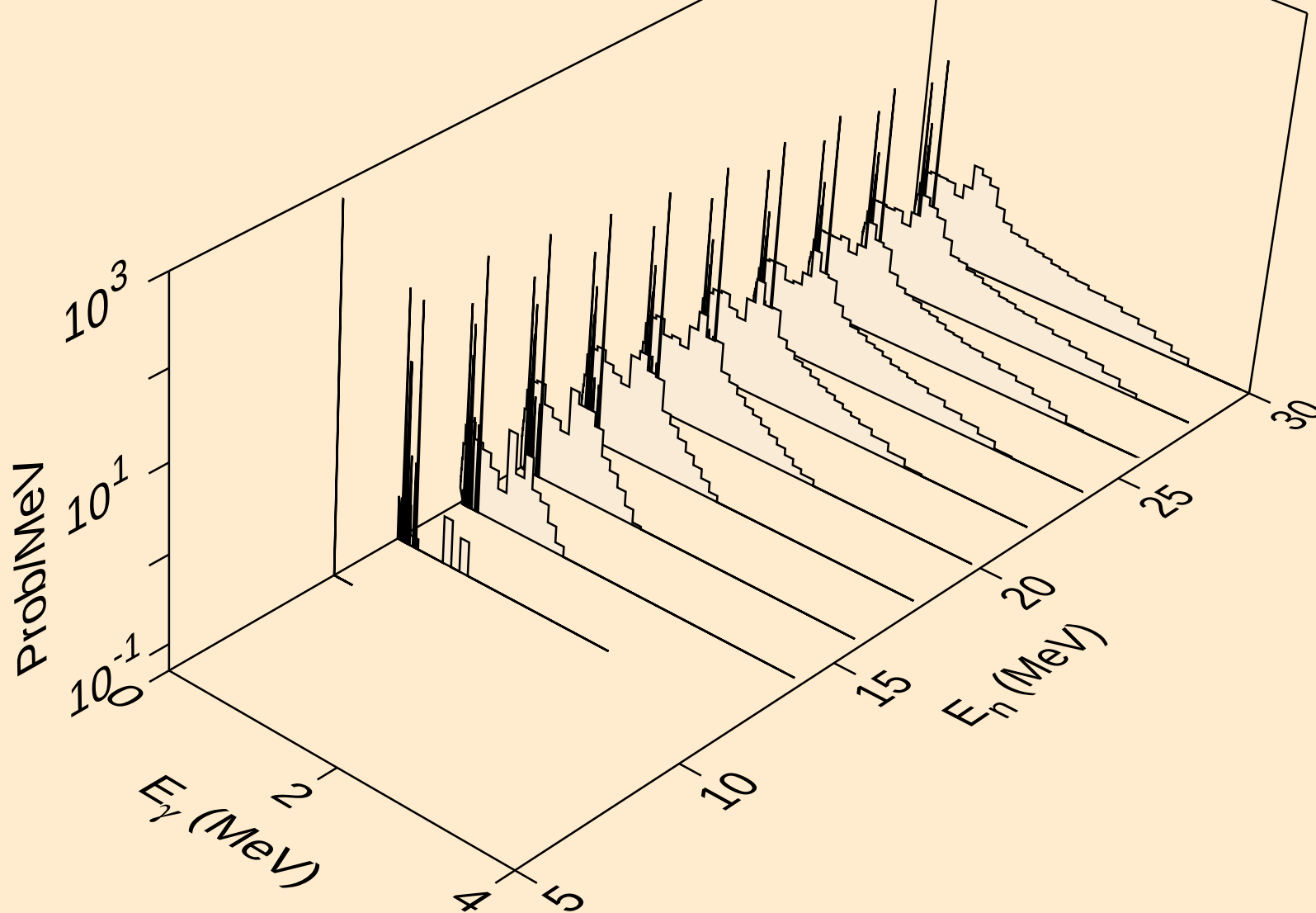
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,p)



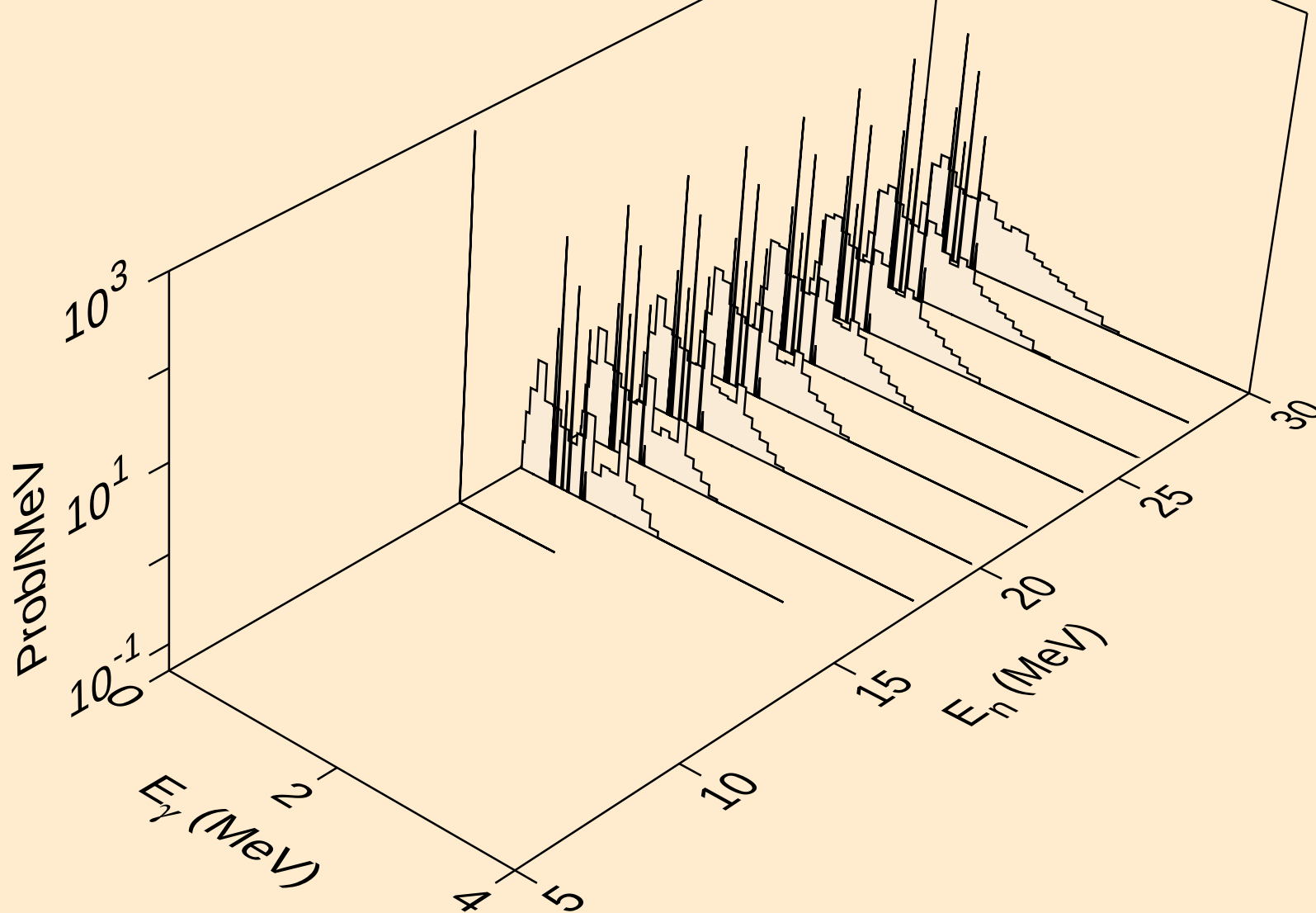
HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)



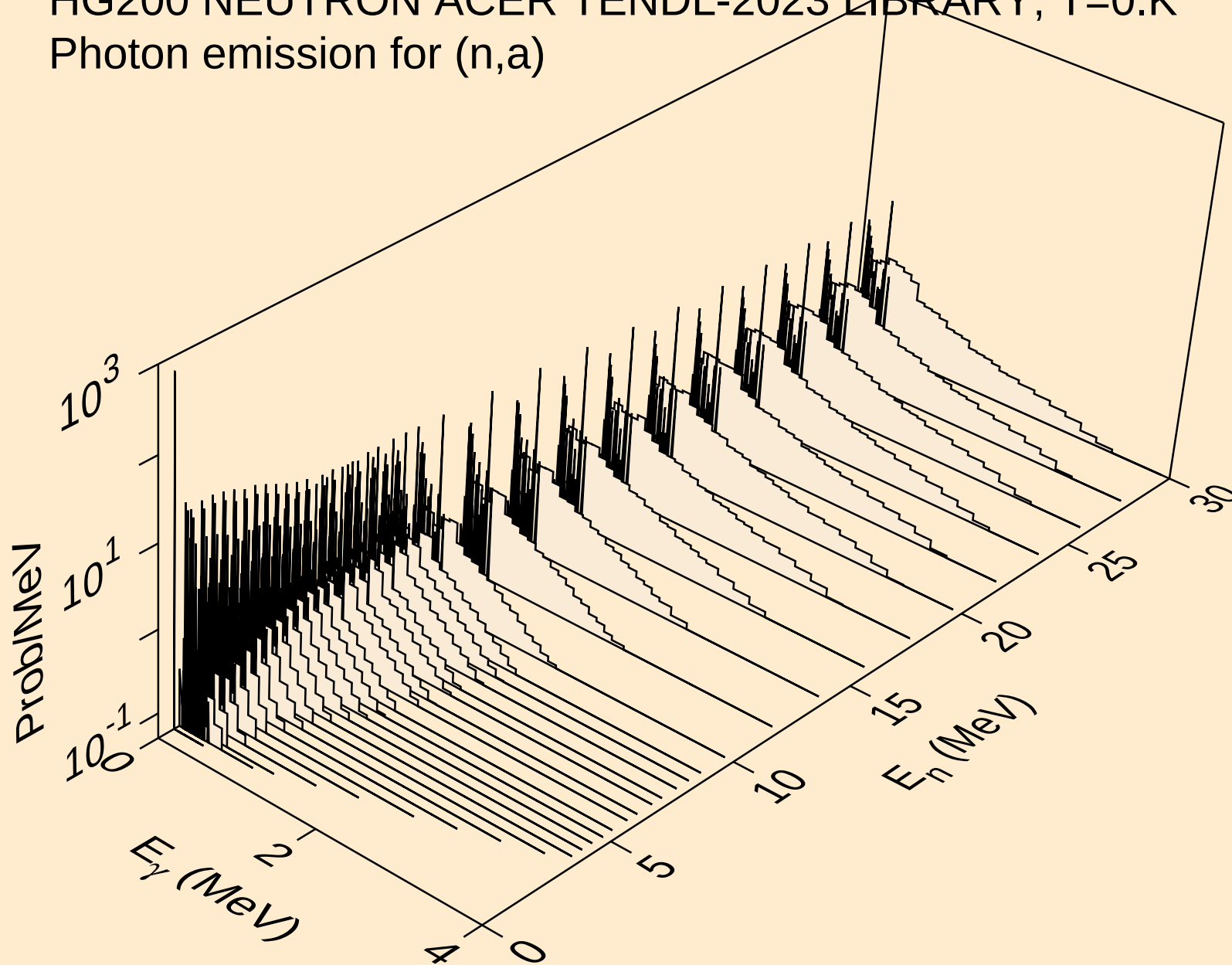
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

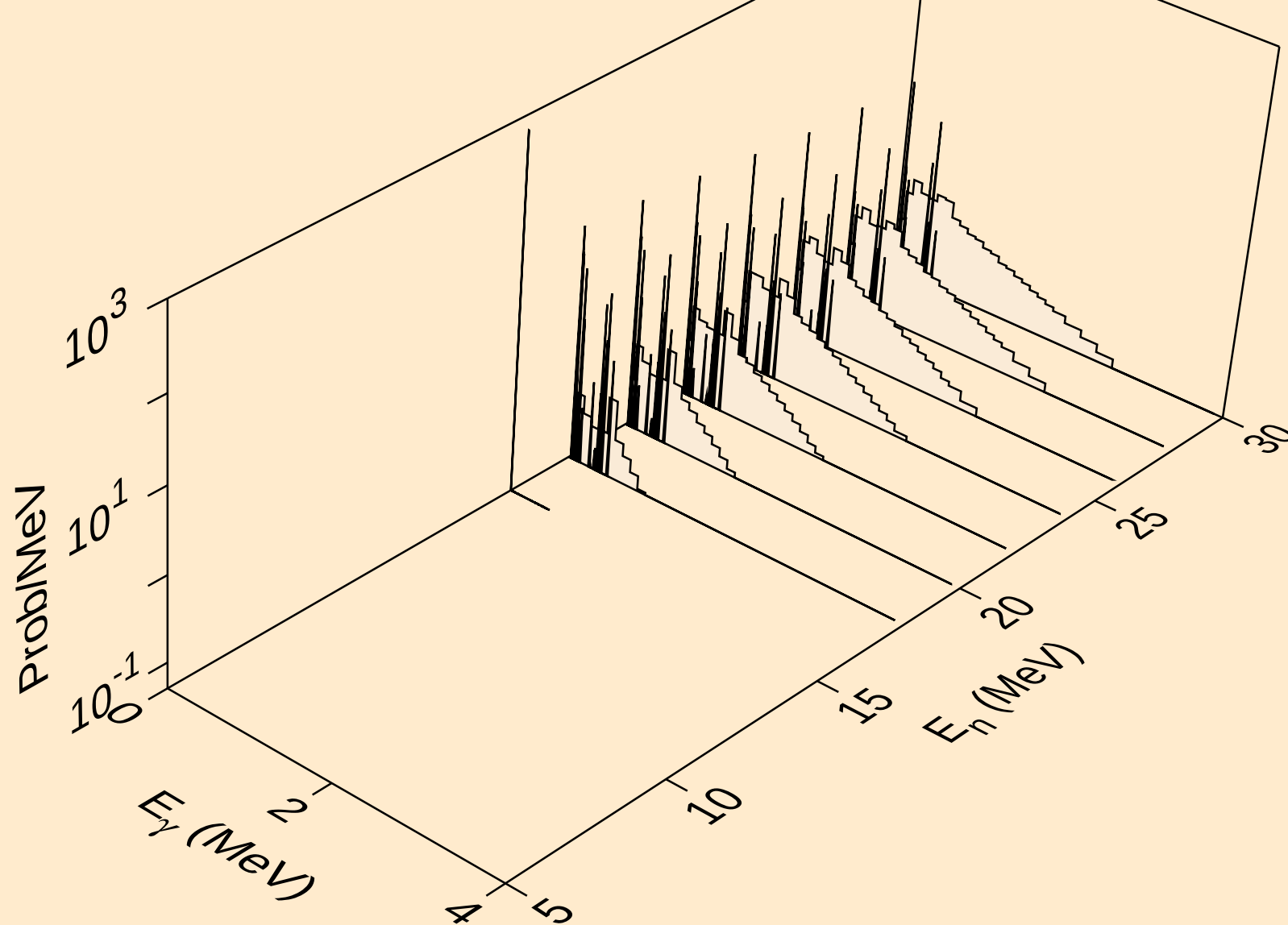


HG200 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,a)

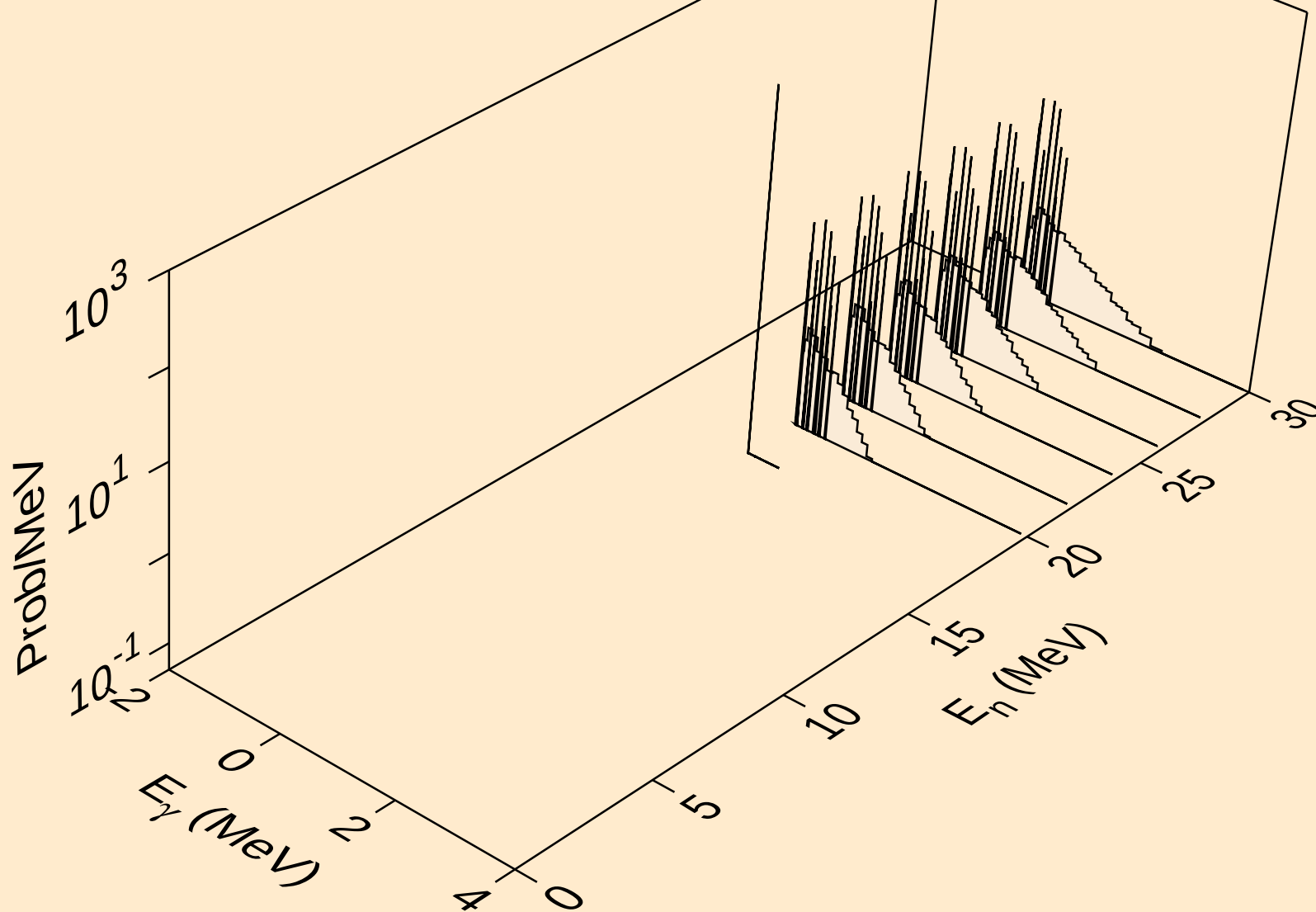




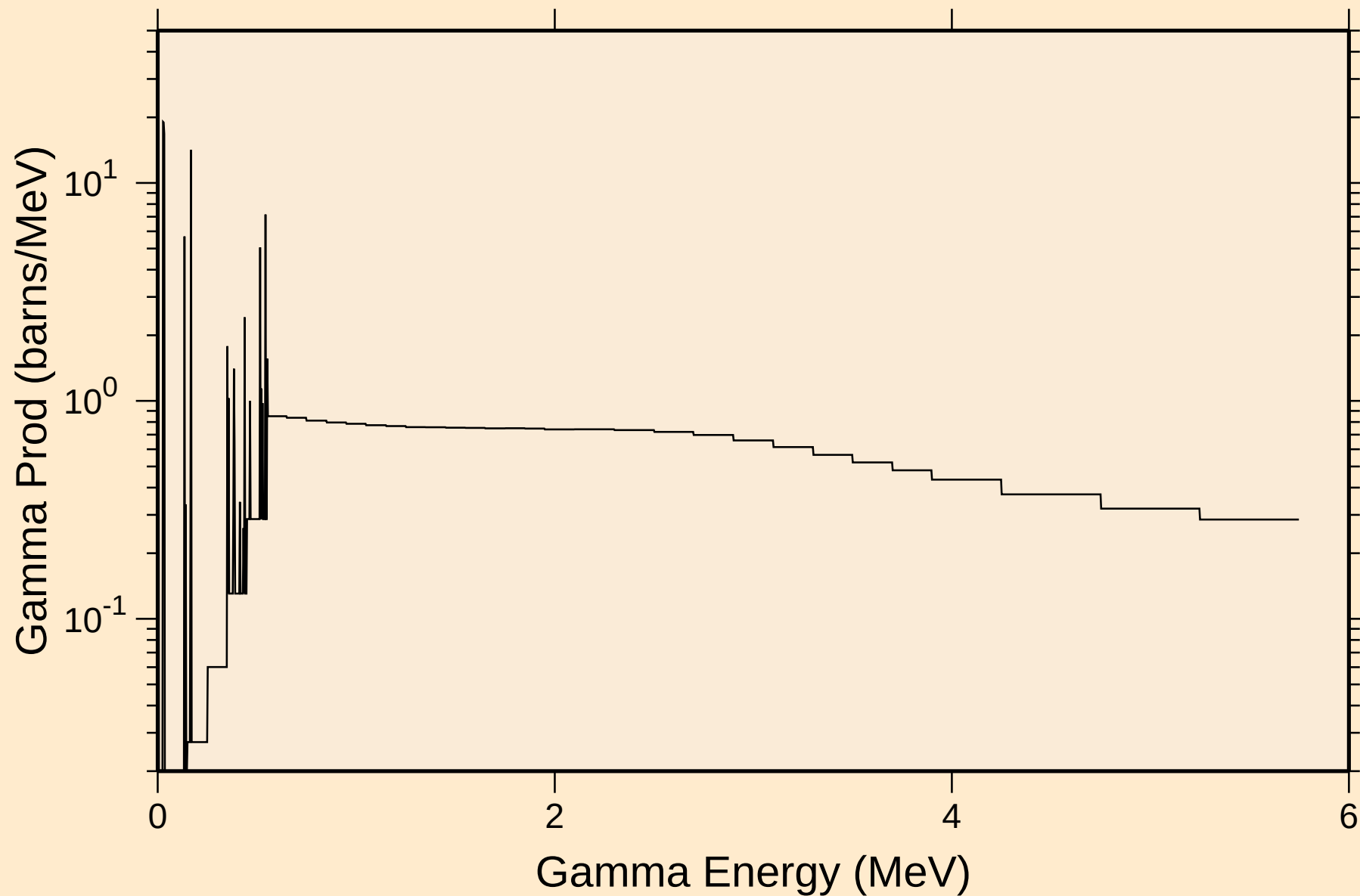
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



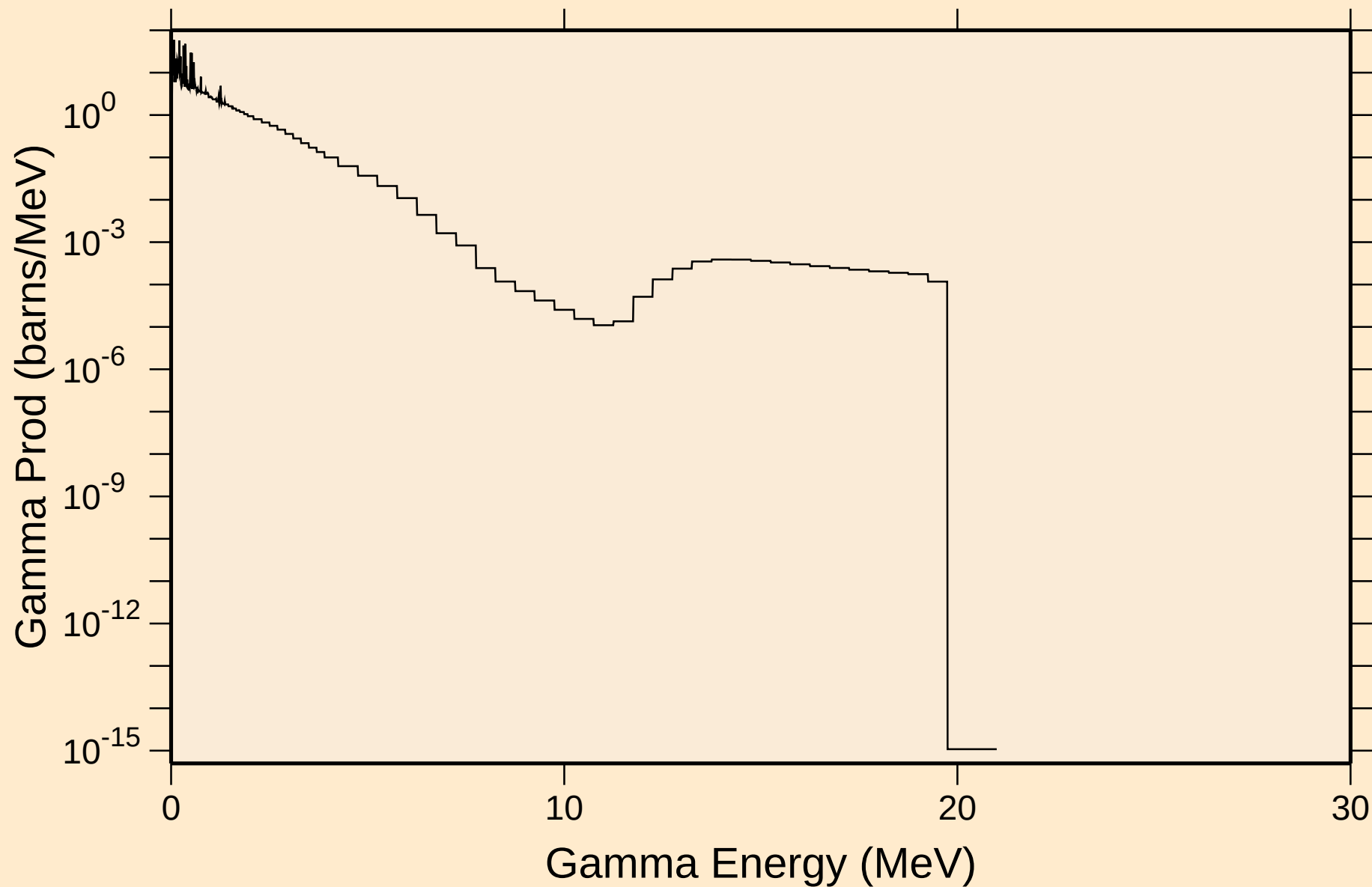
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

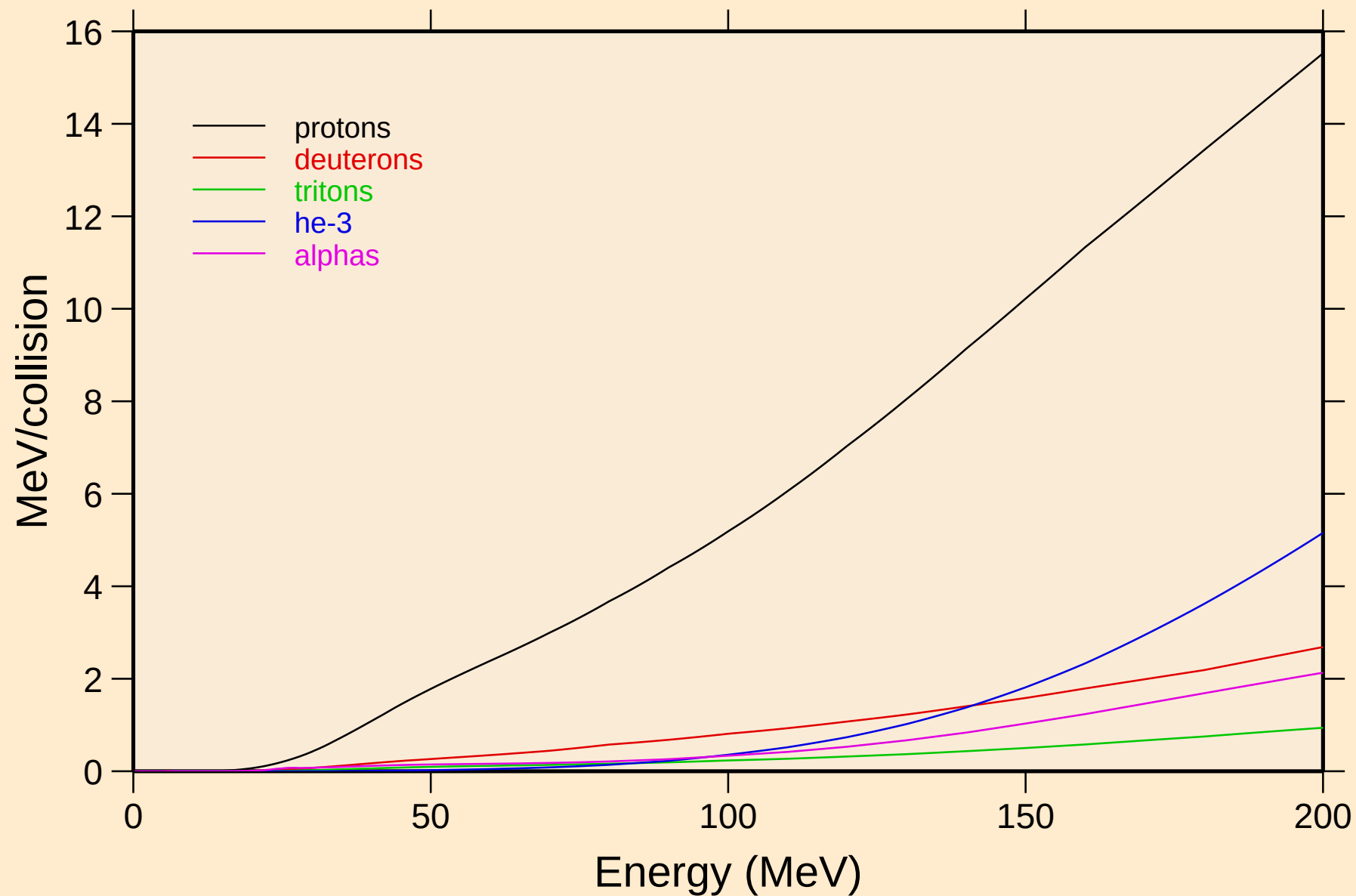


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



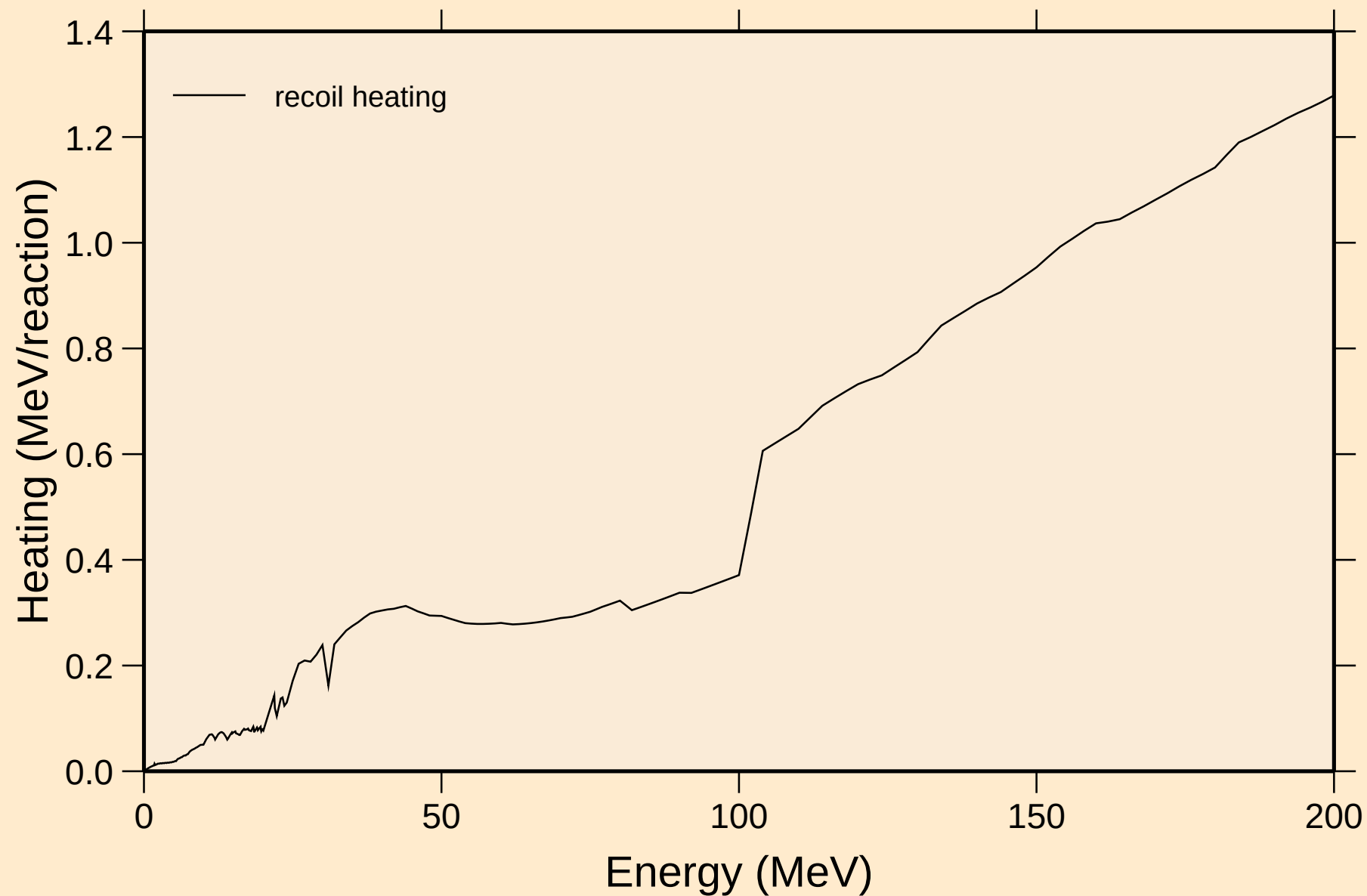
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## Particle heating contributions



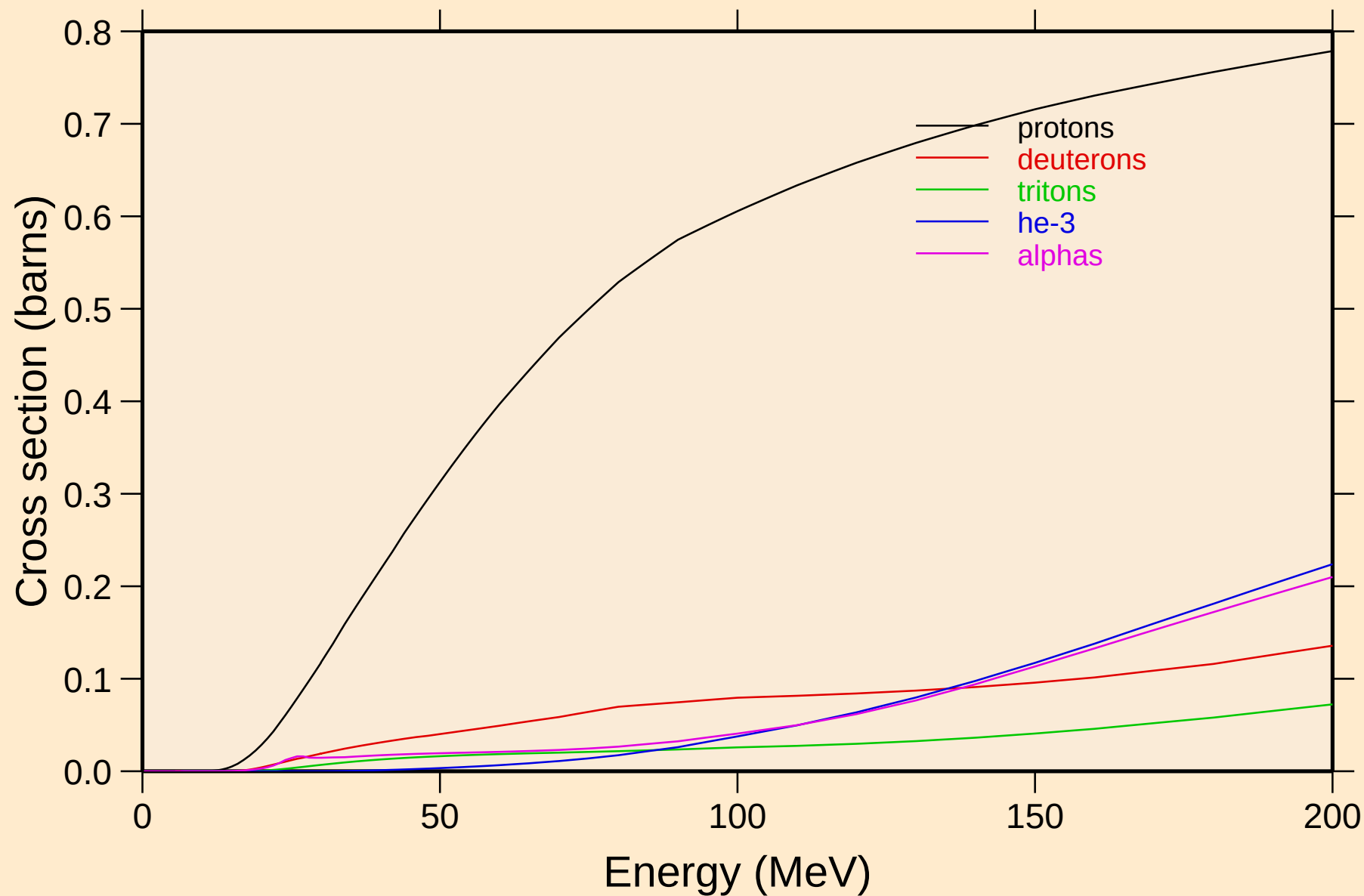
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## Recoil Heating

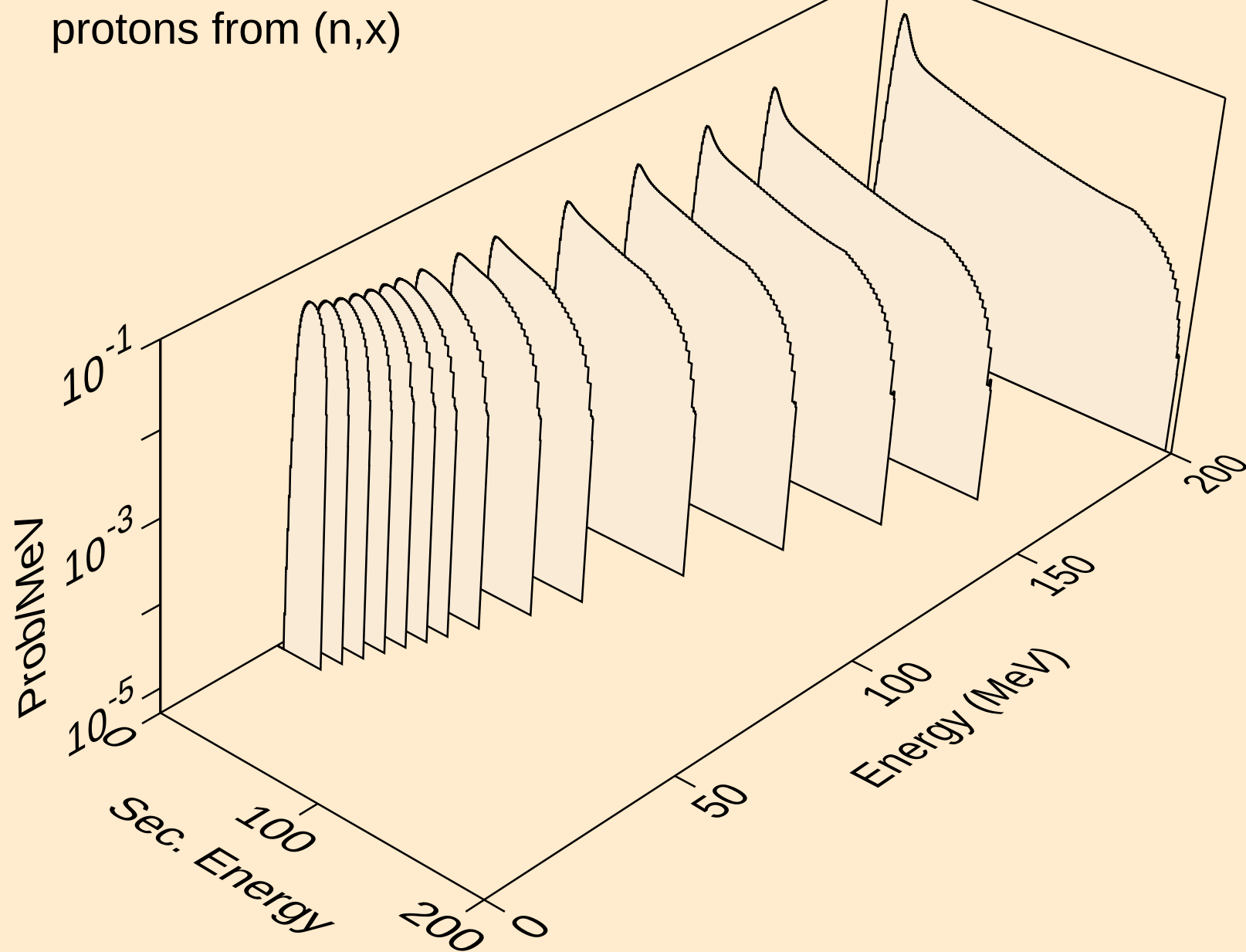


# HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

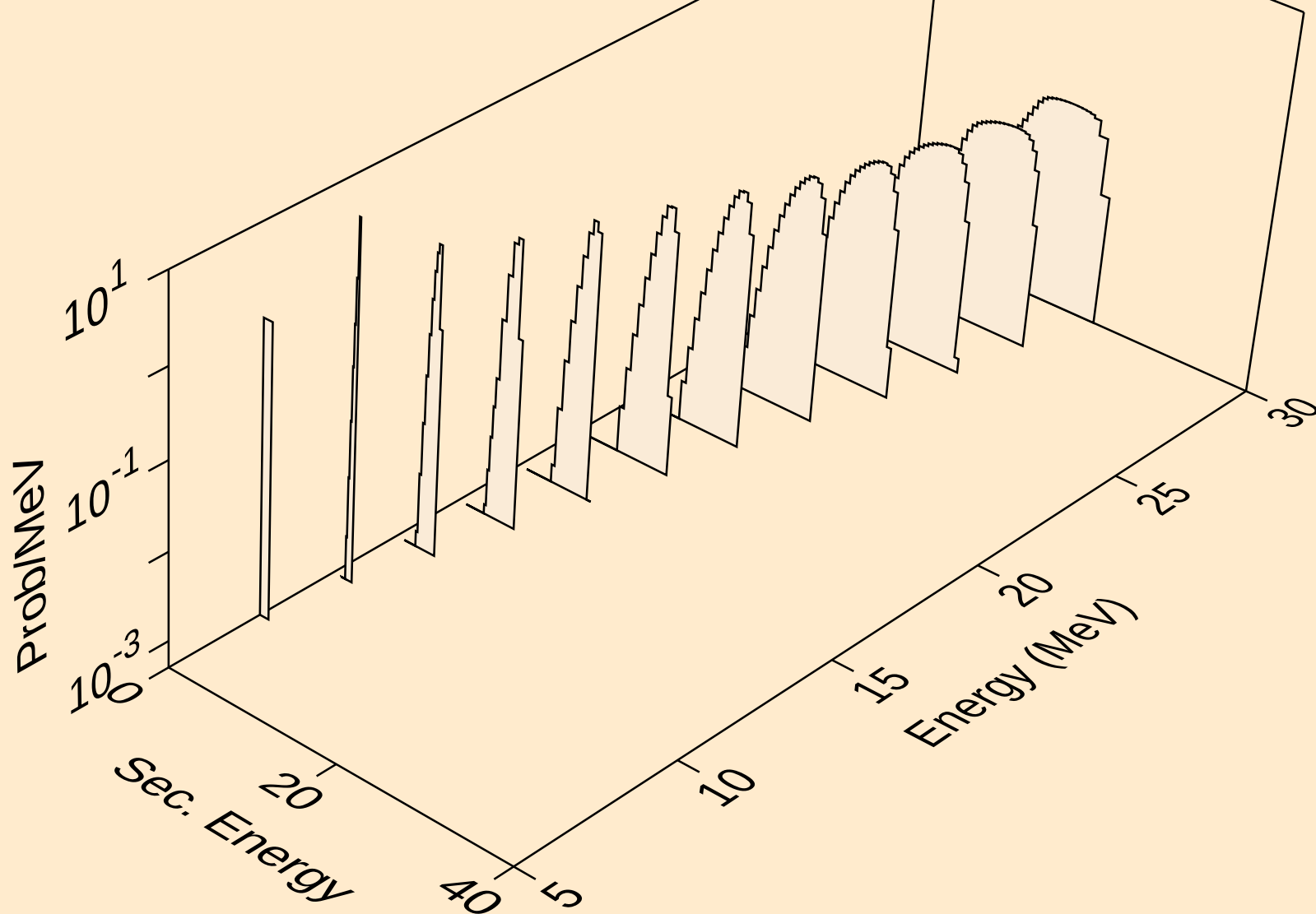


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

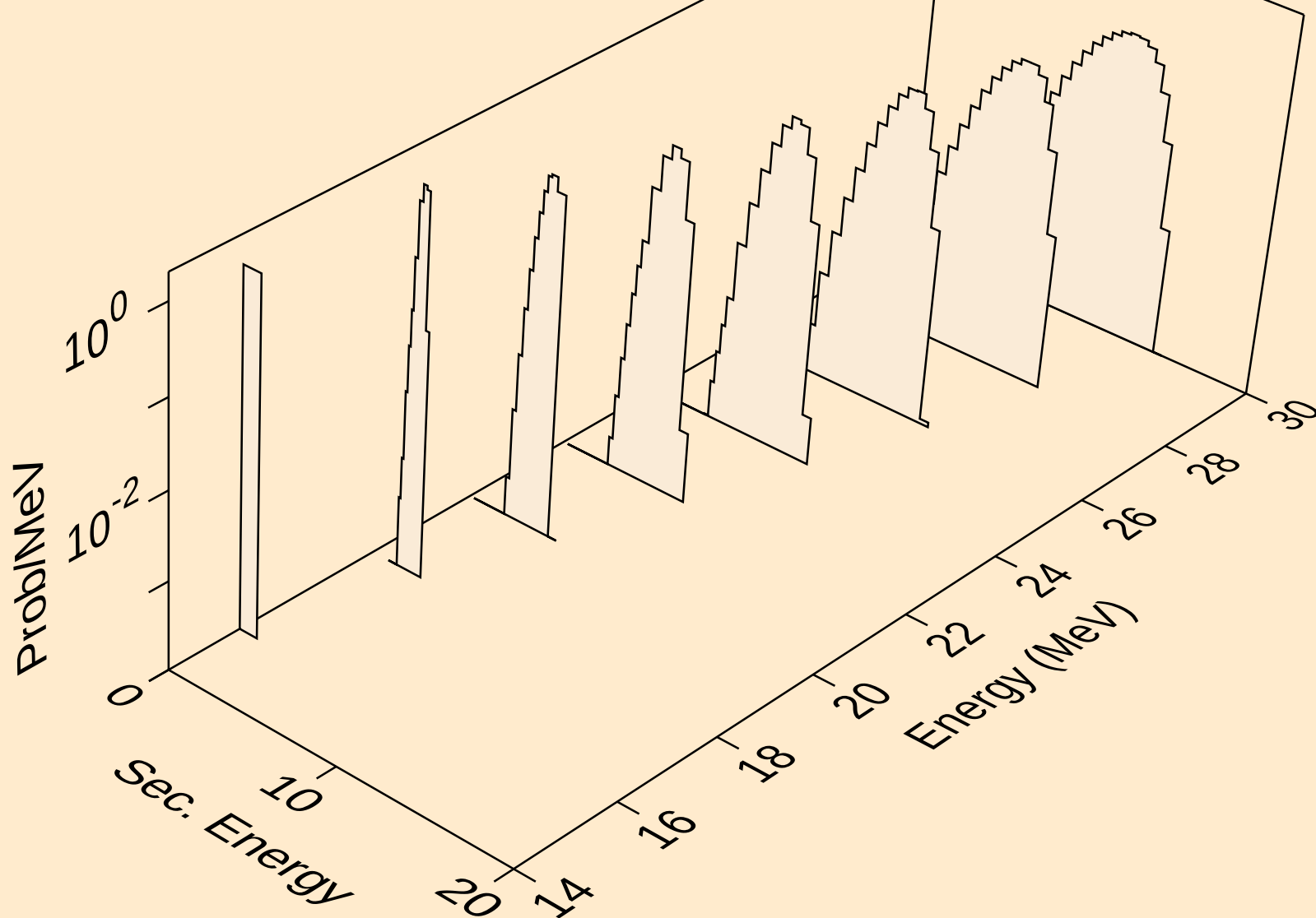




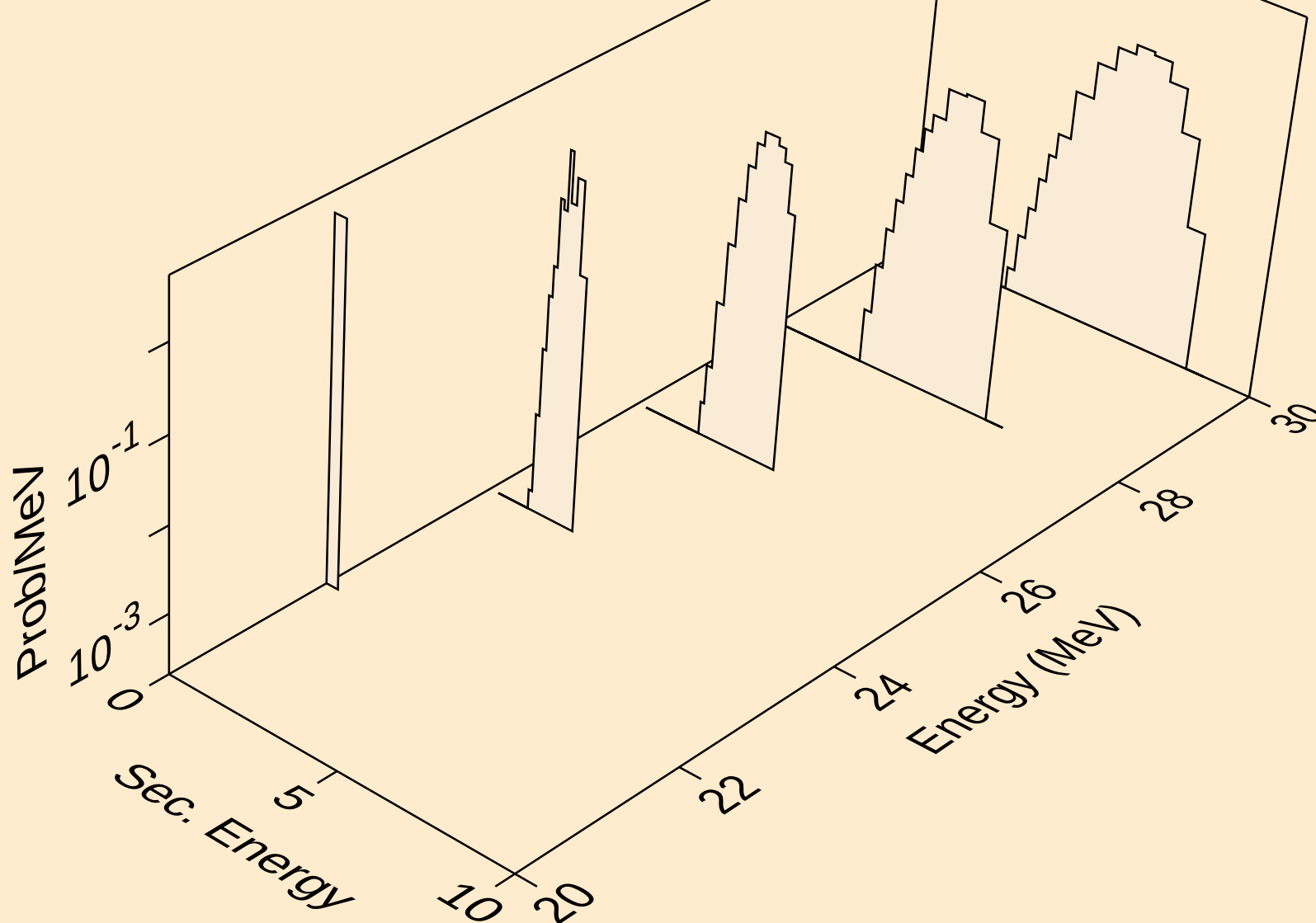
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



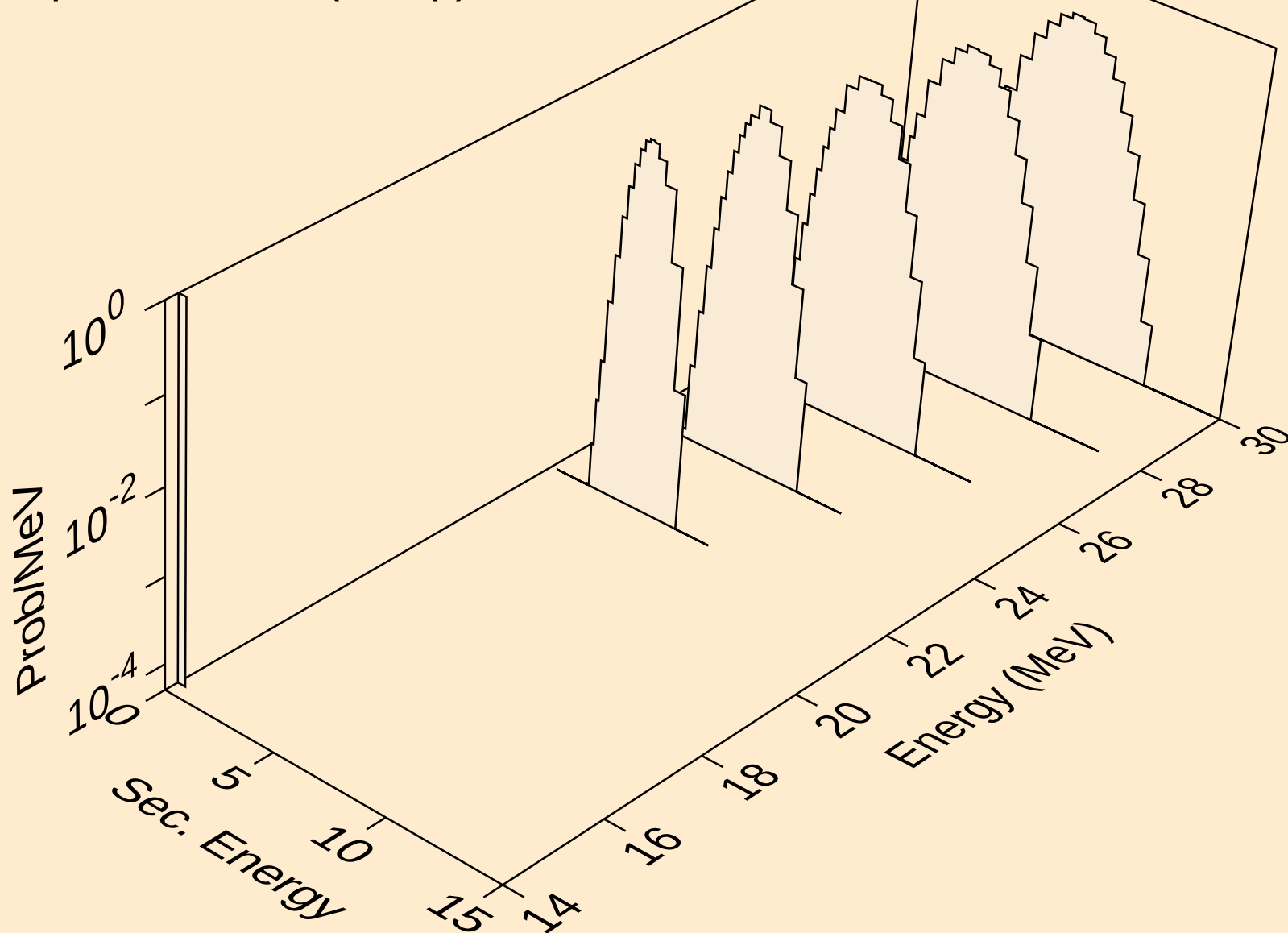
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



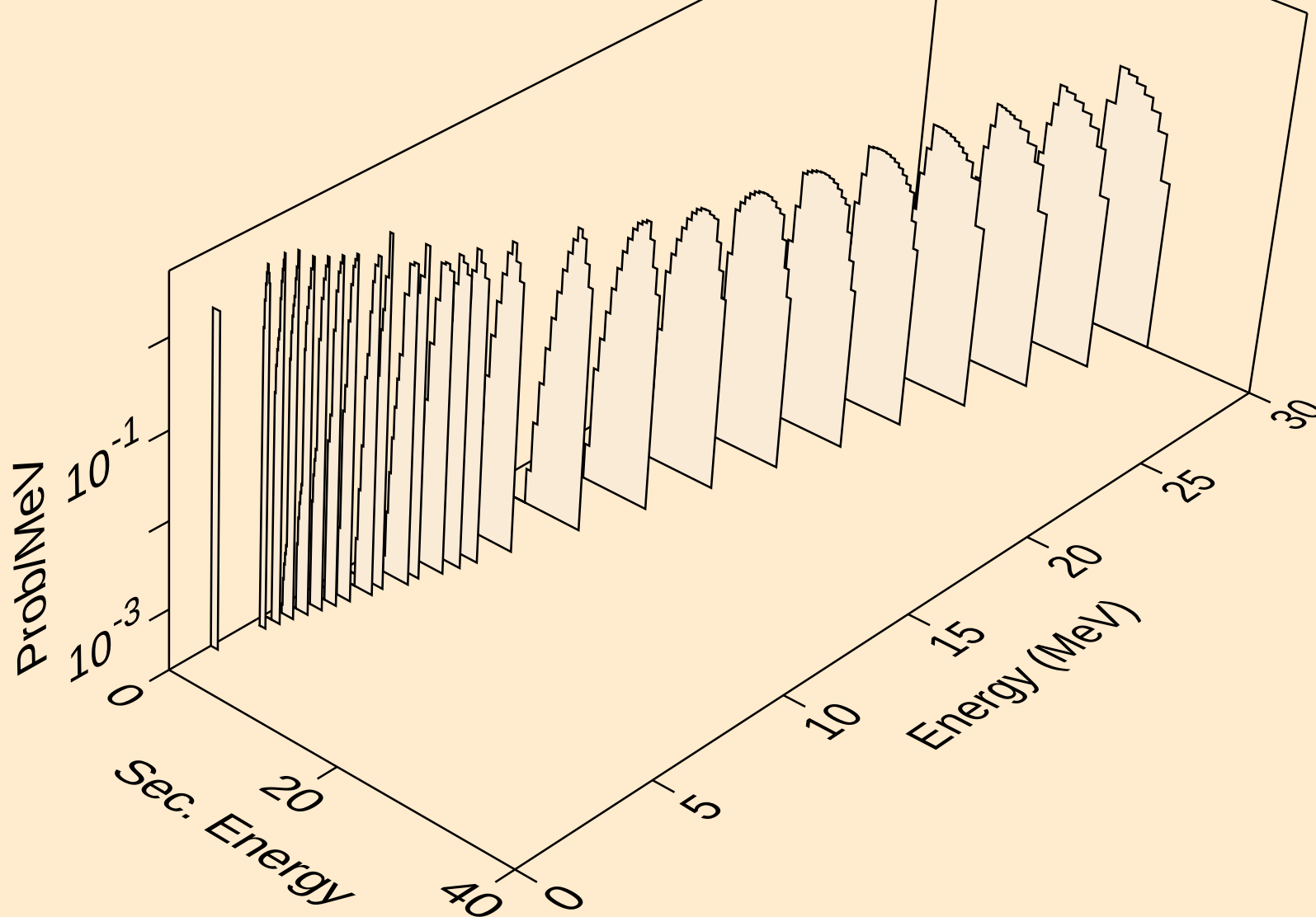
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



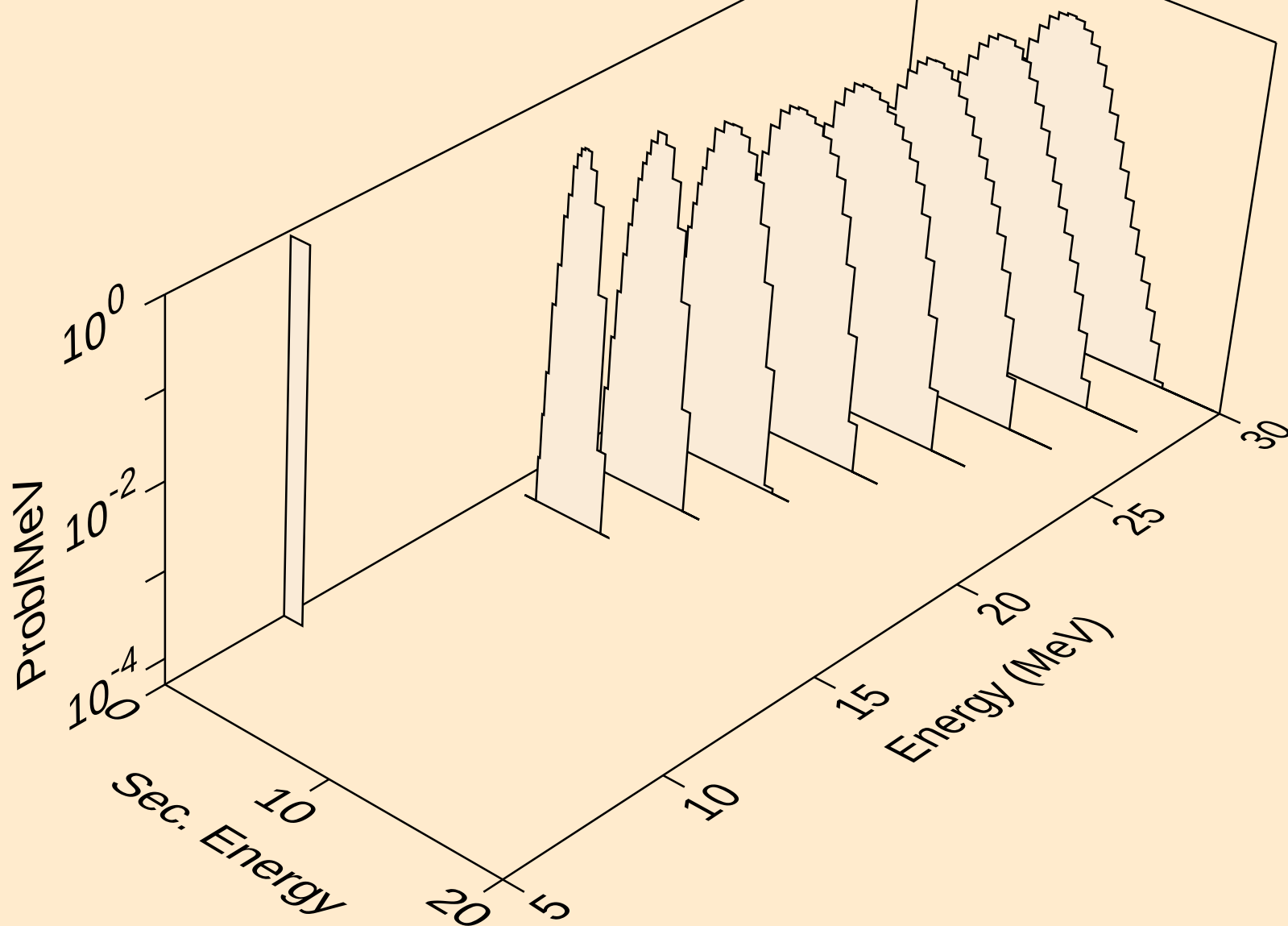
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protons from (n,n2p)



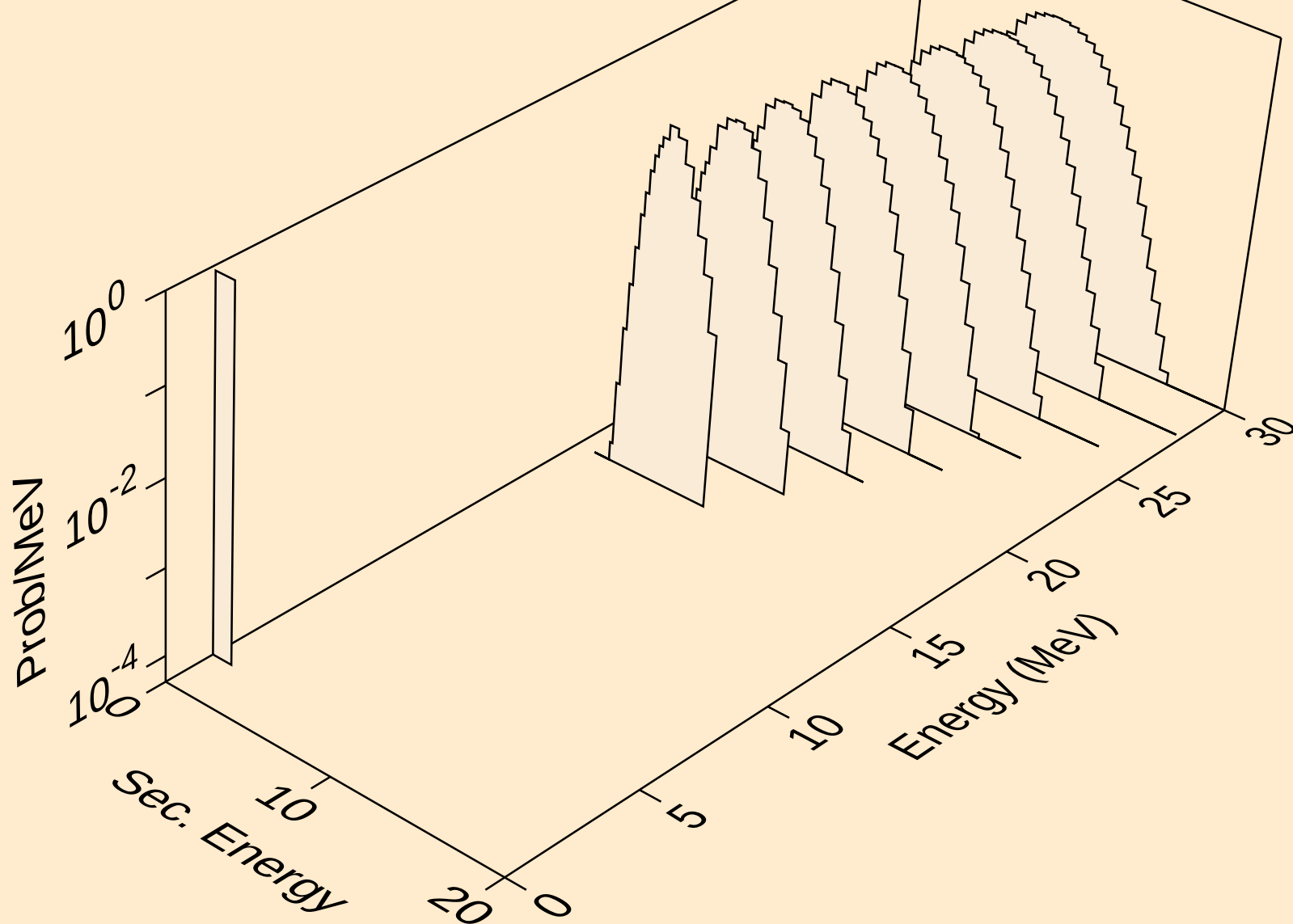
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



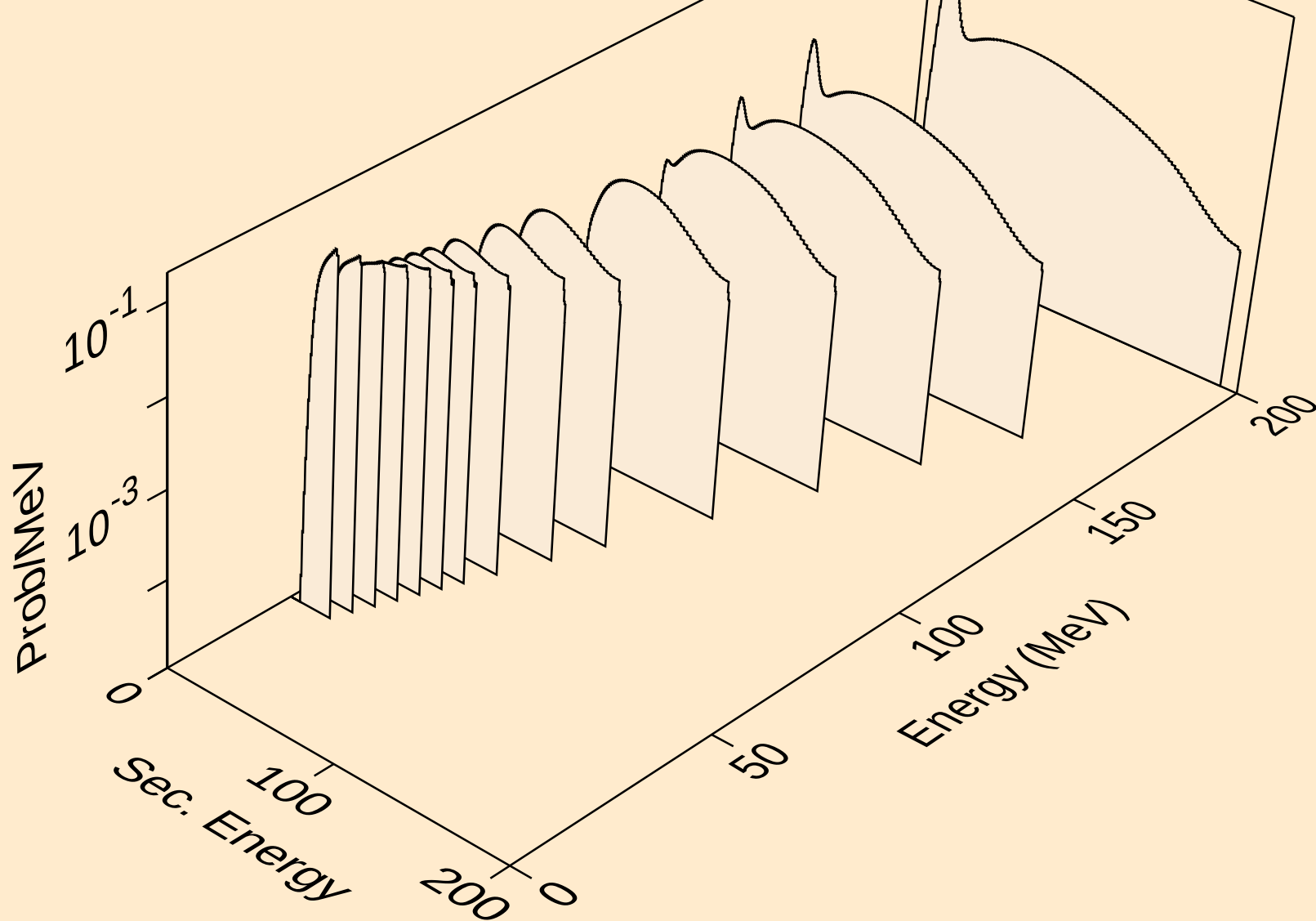
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

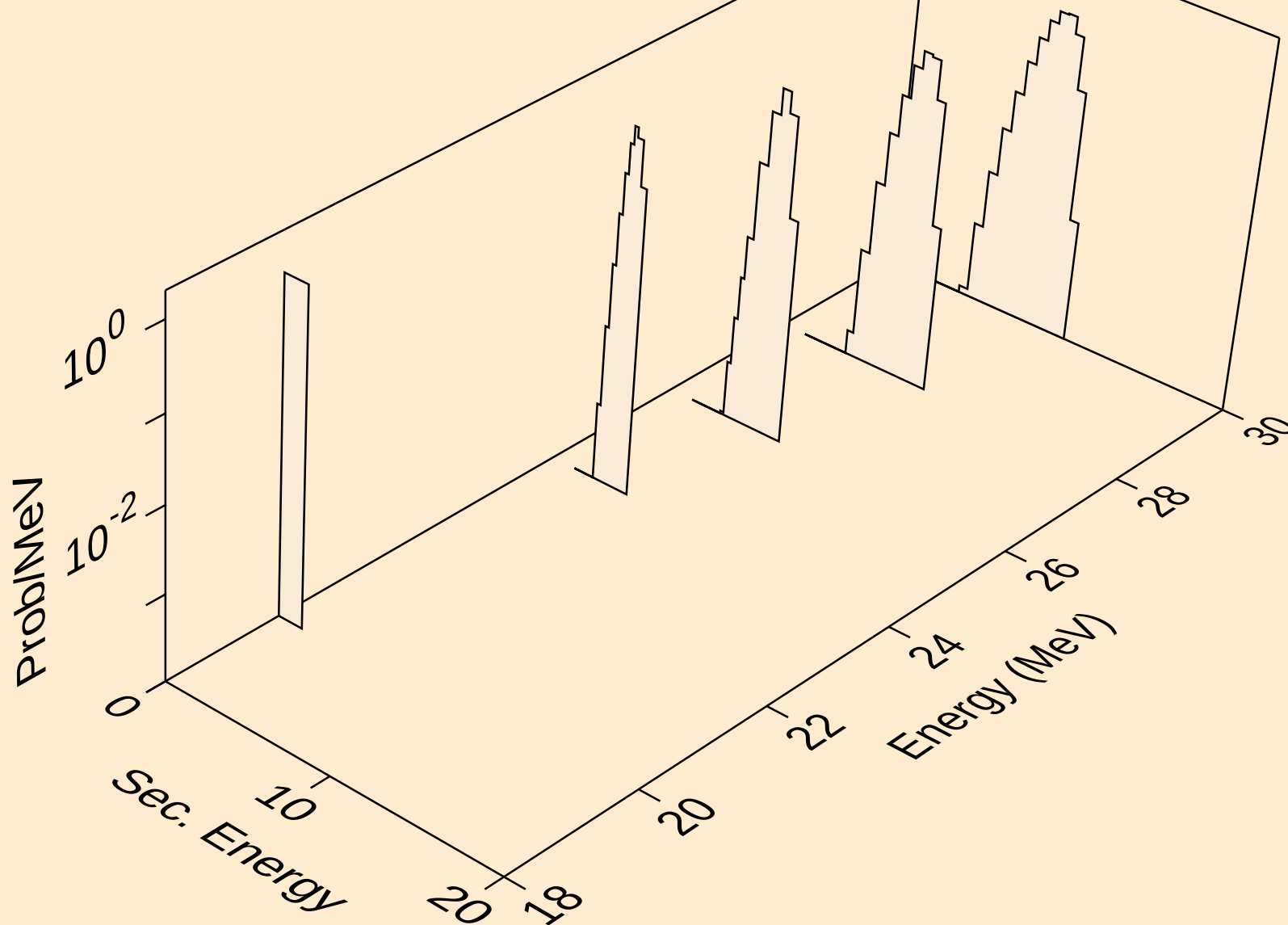


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

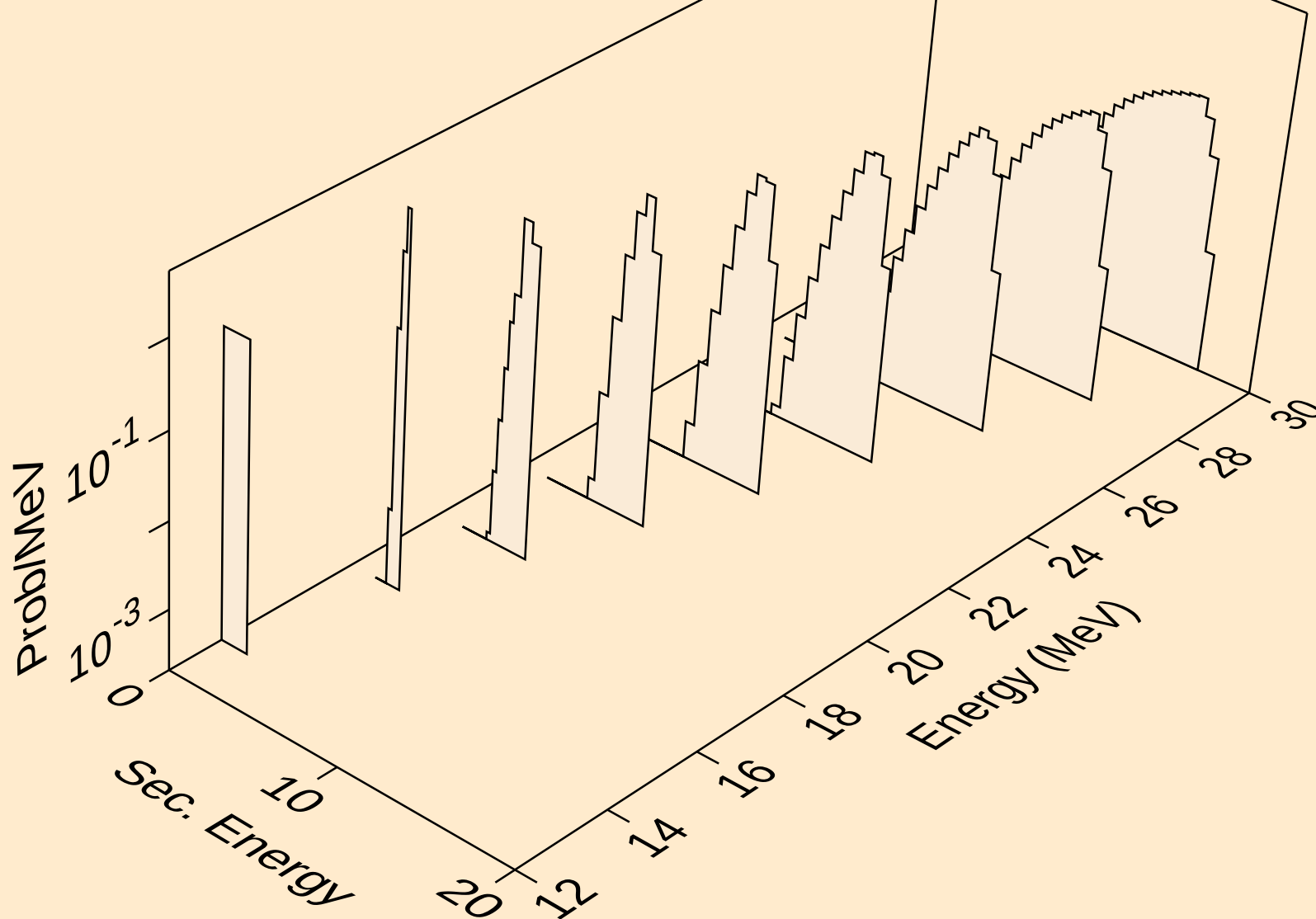




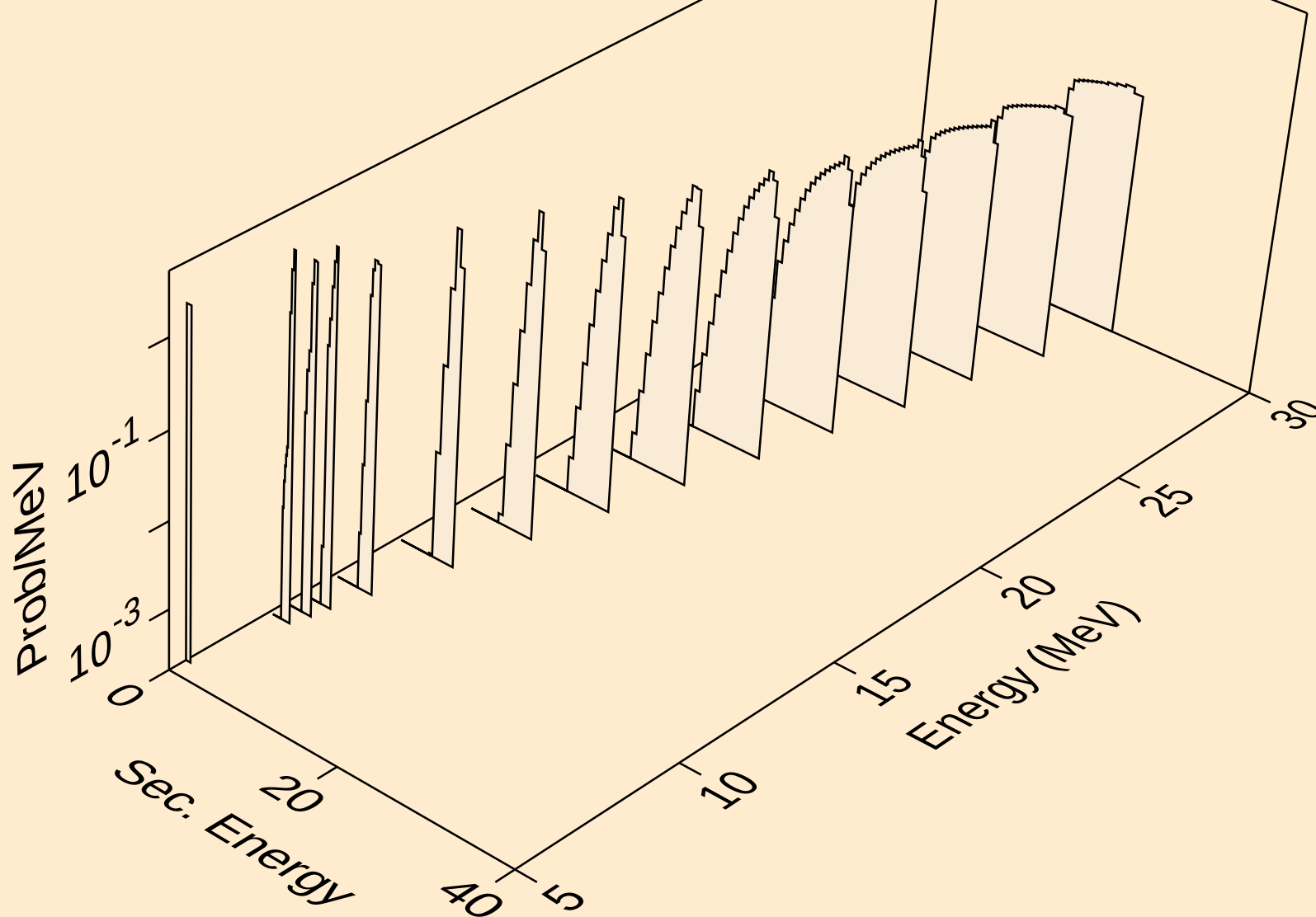
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deuterons from (n,2nd)



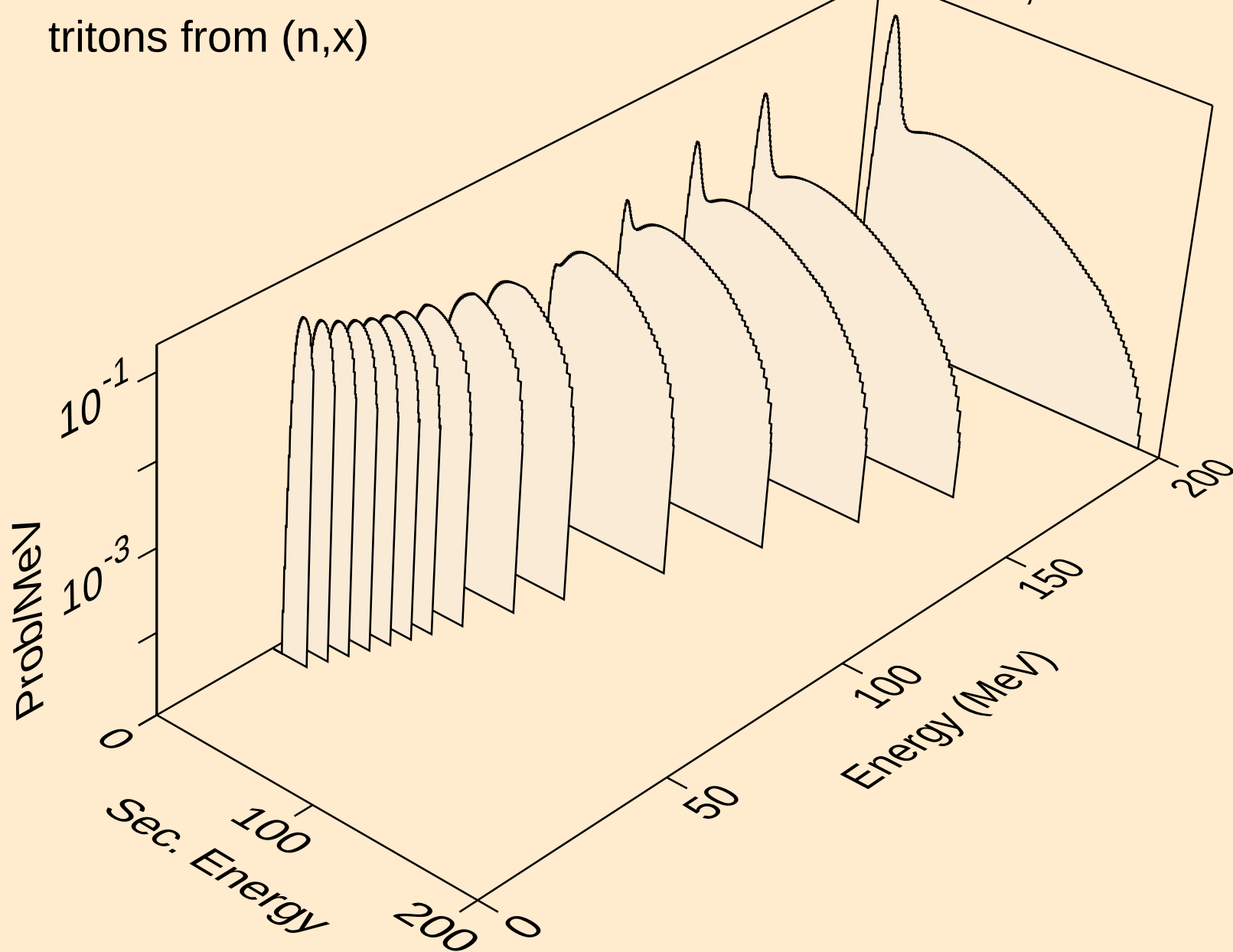
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



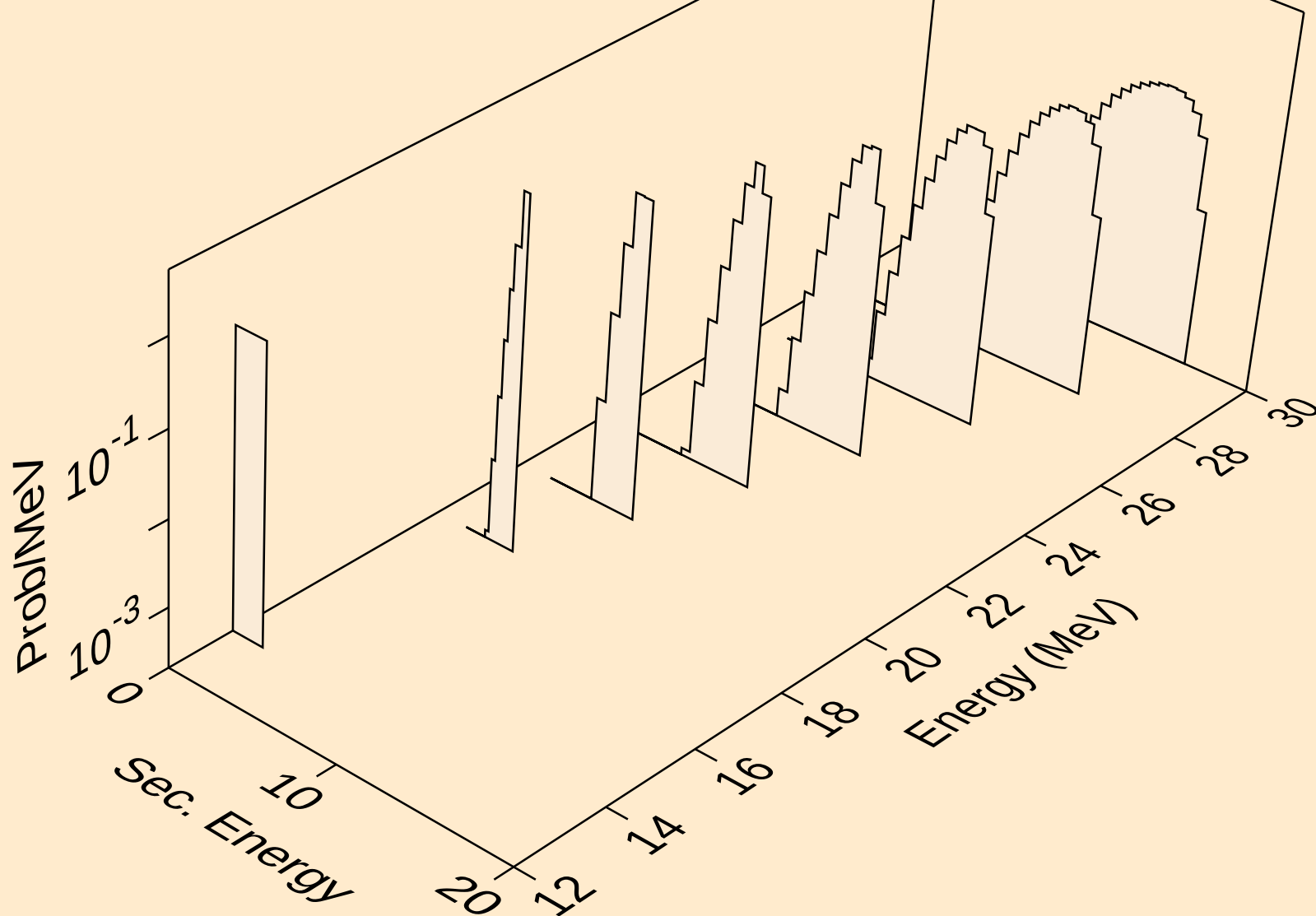
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deuterons from (n,d)



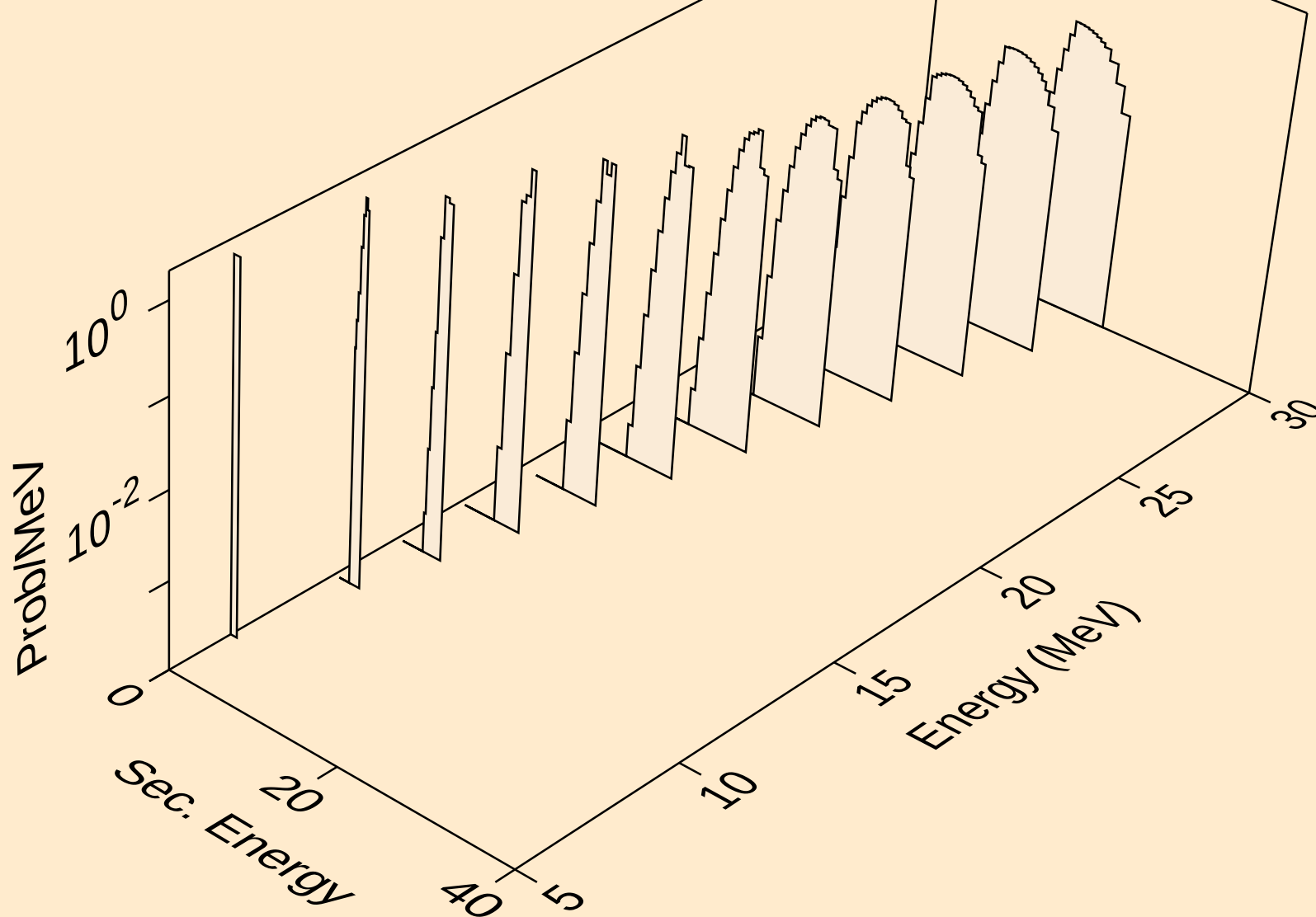
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



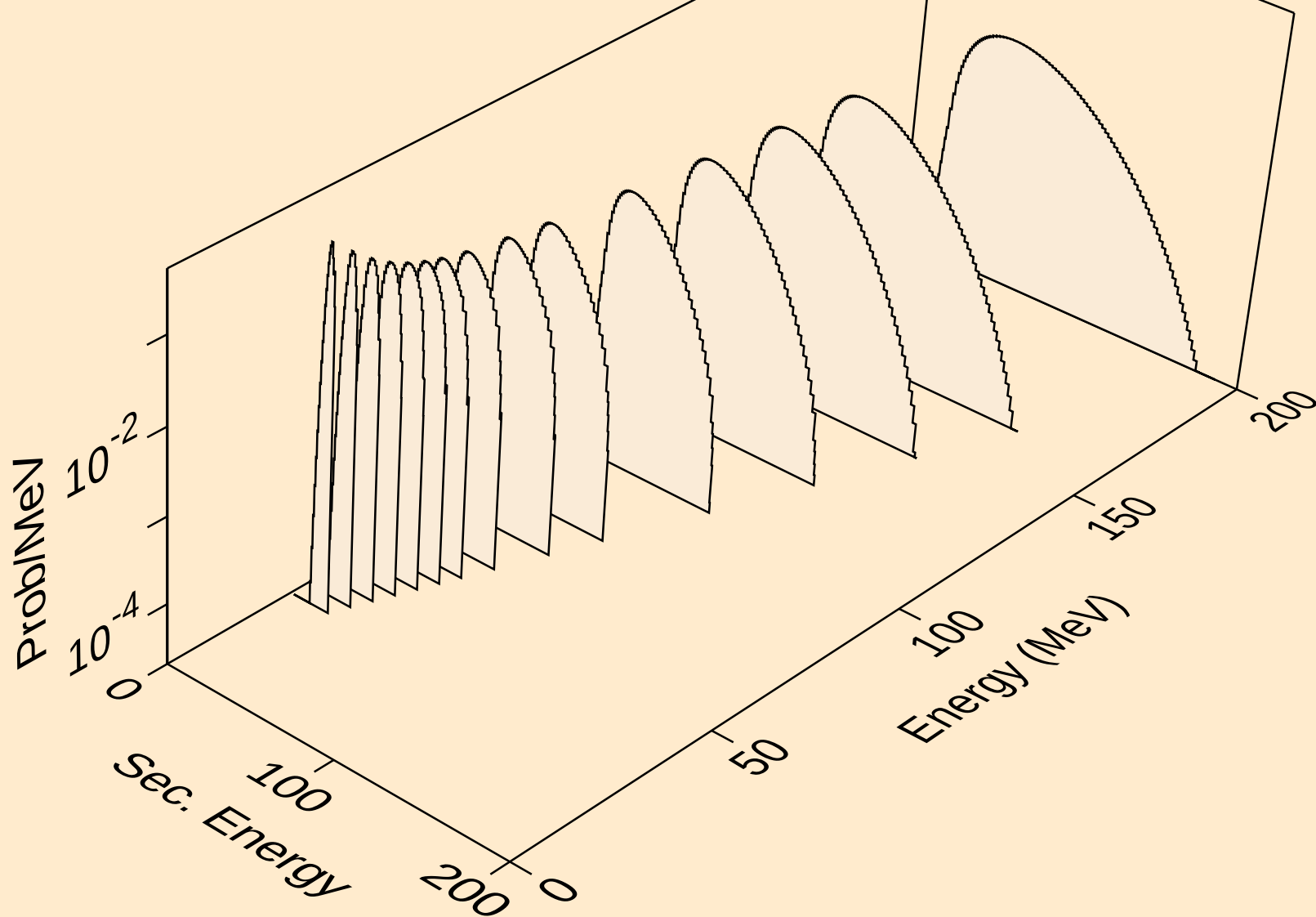
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



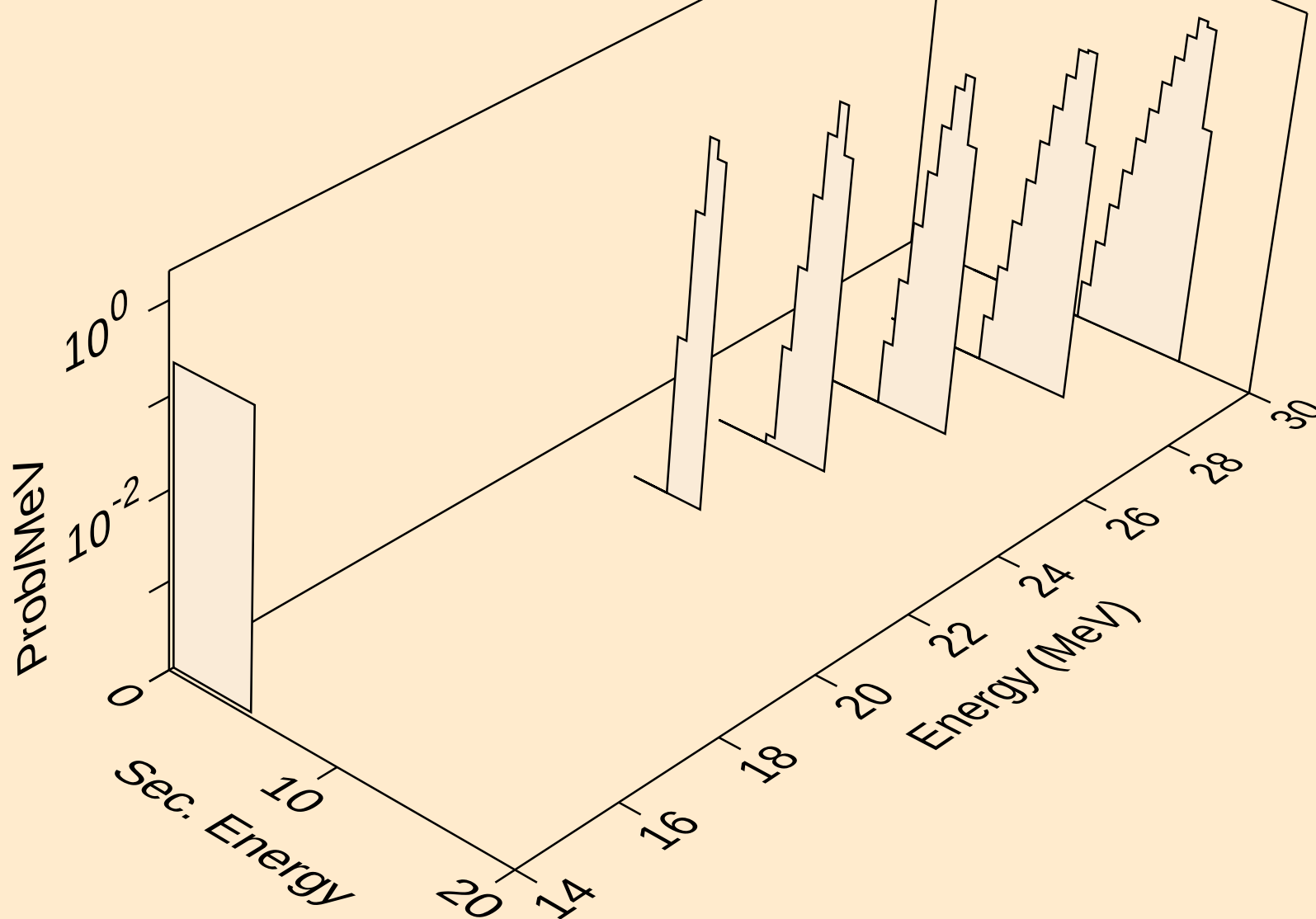
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

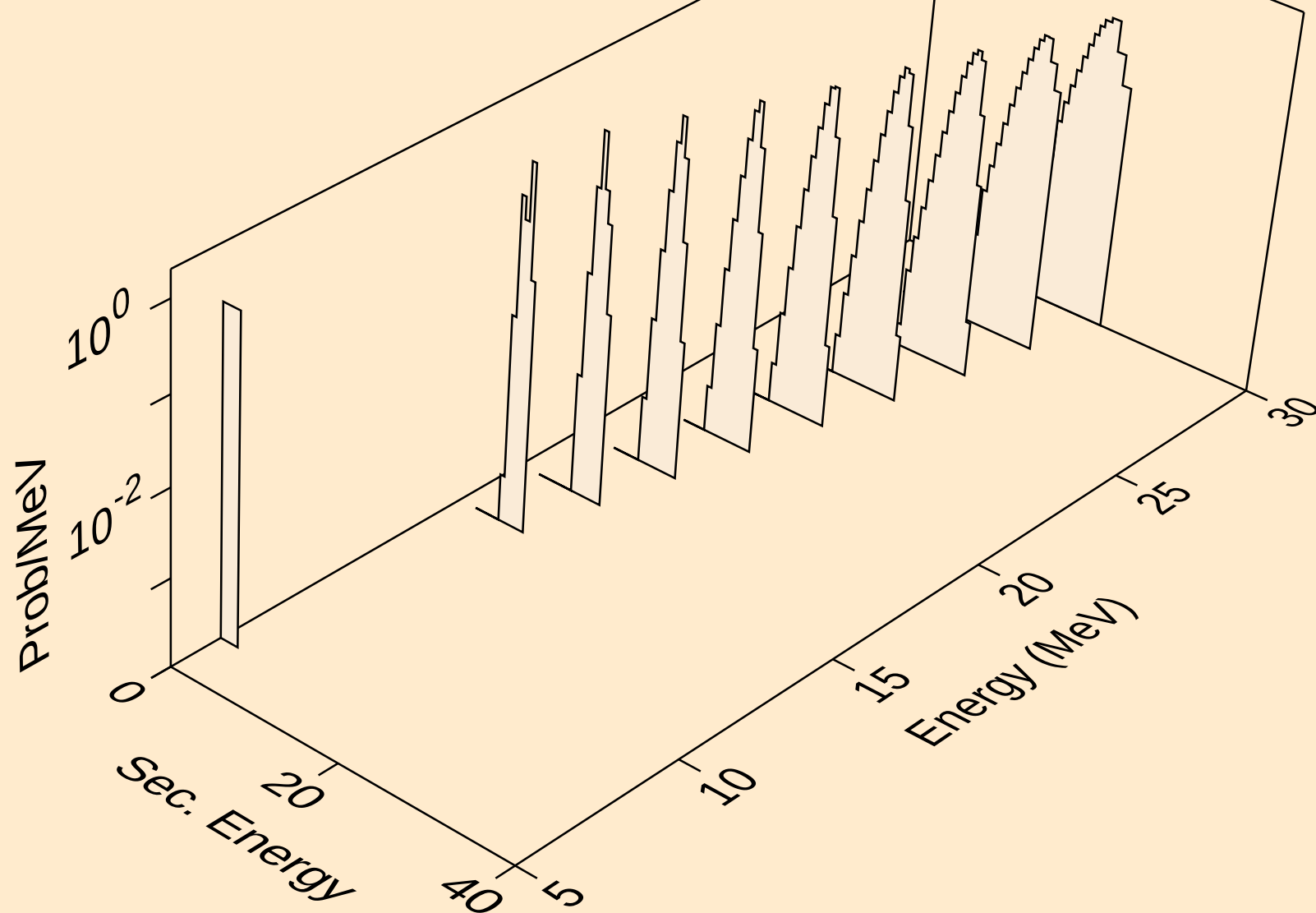


HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

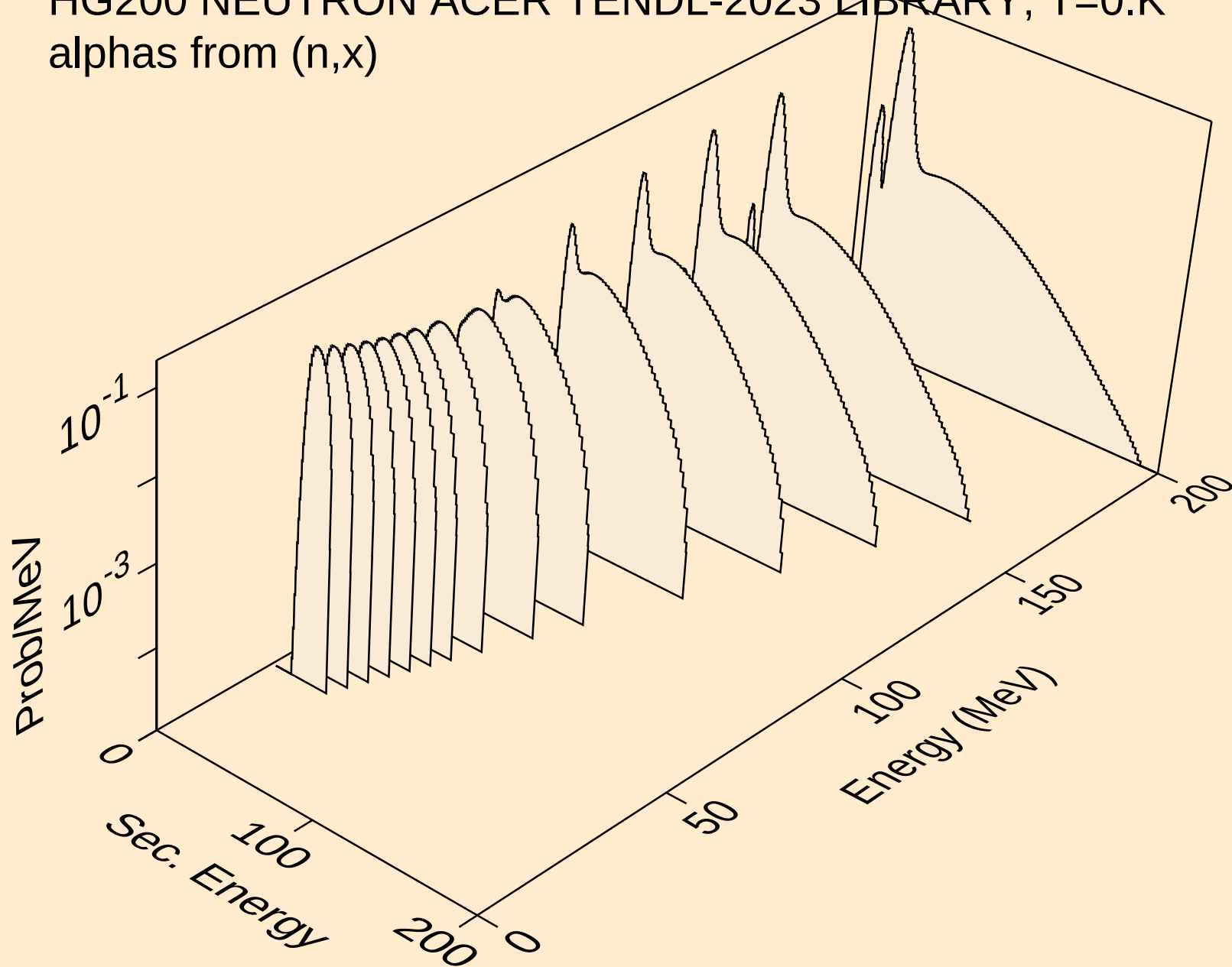




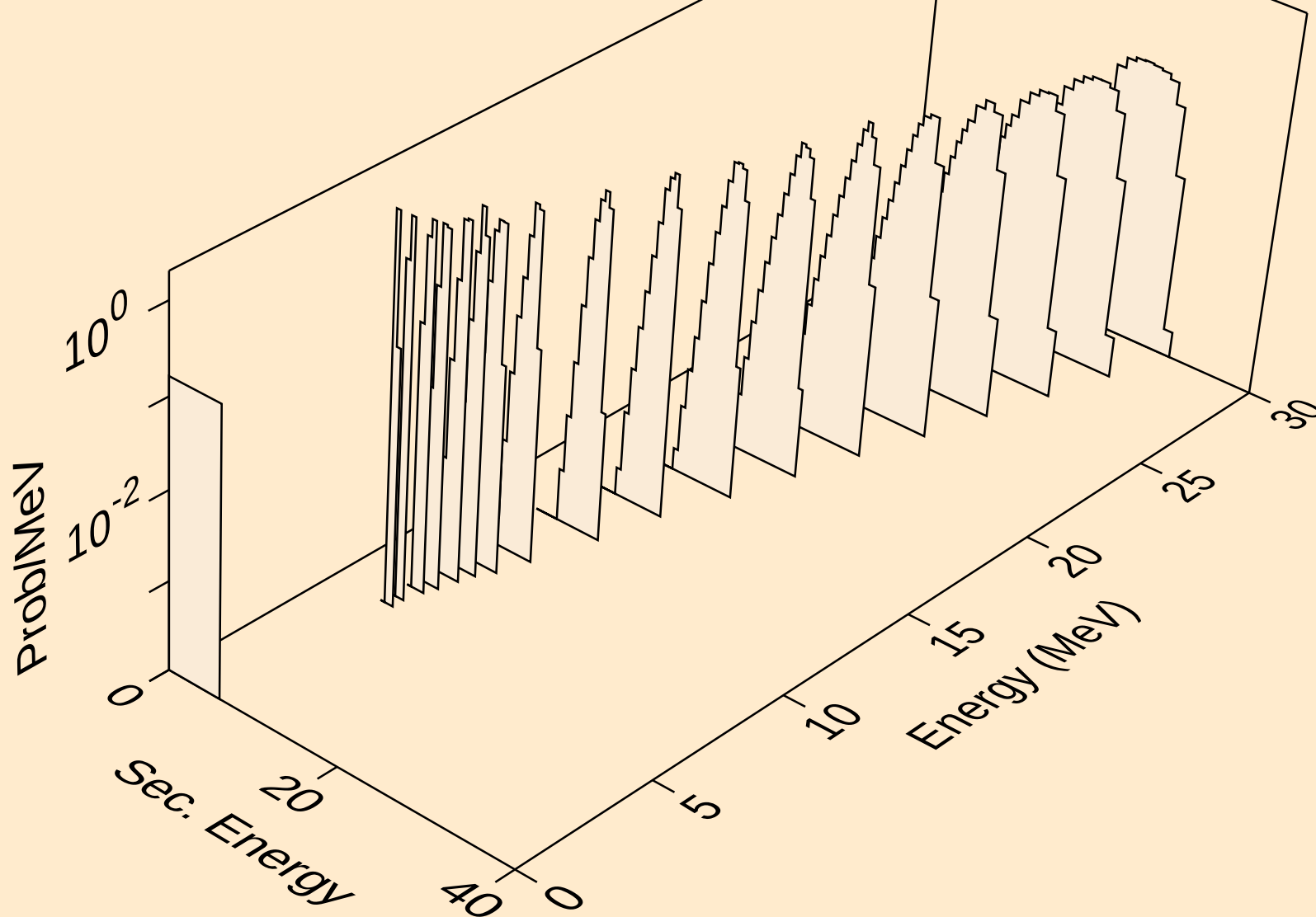
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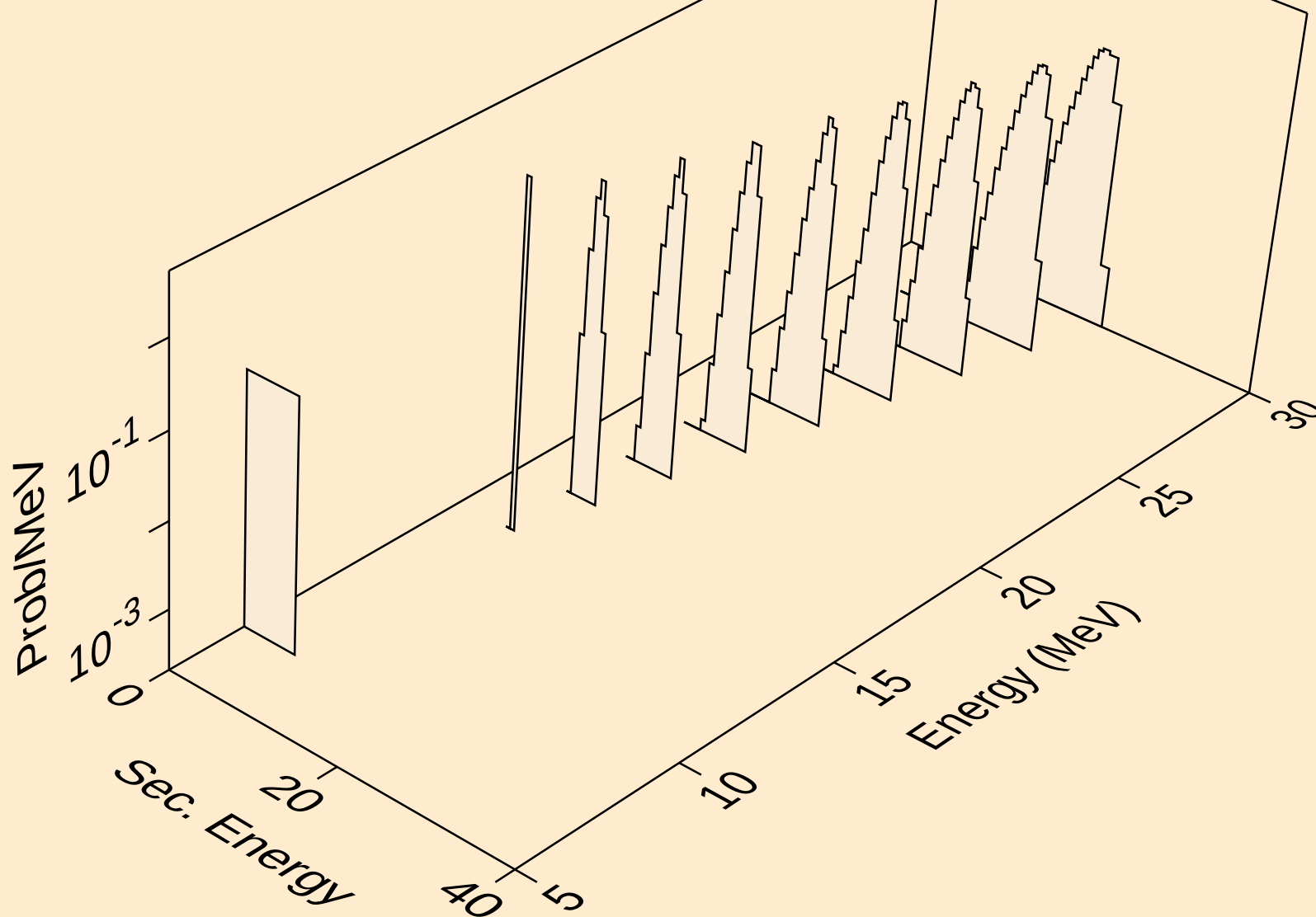
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alphas from (n,x)



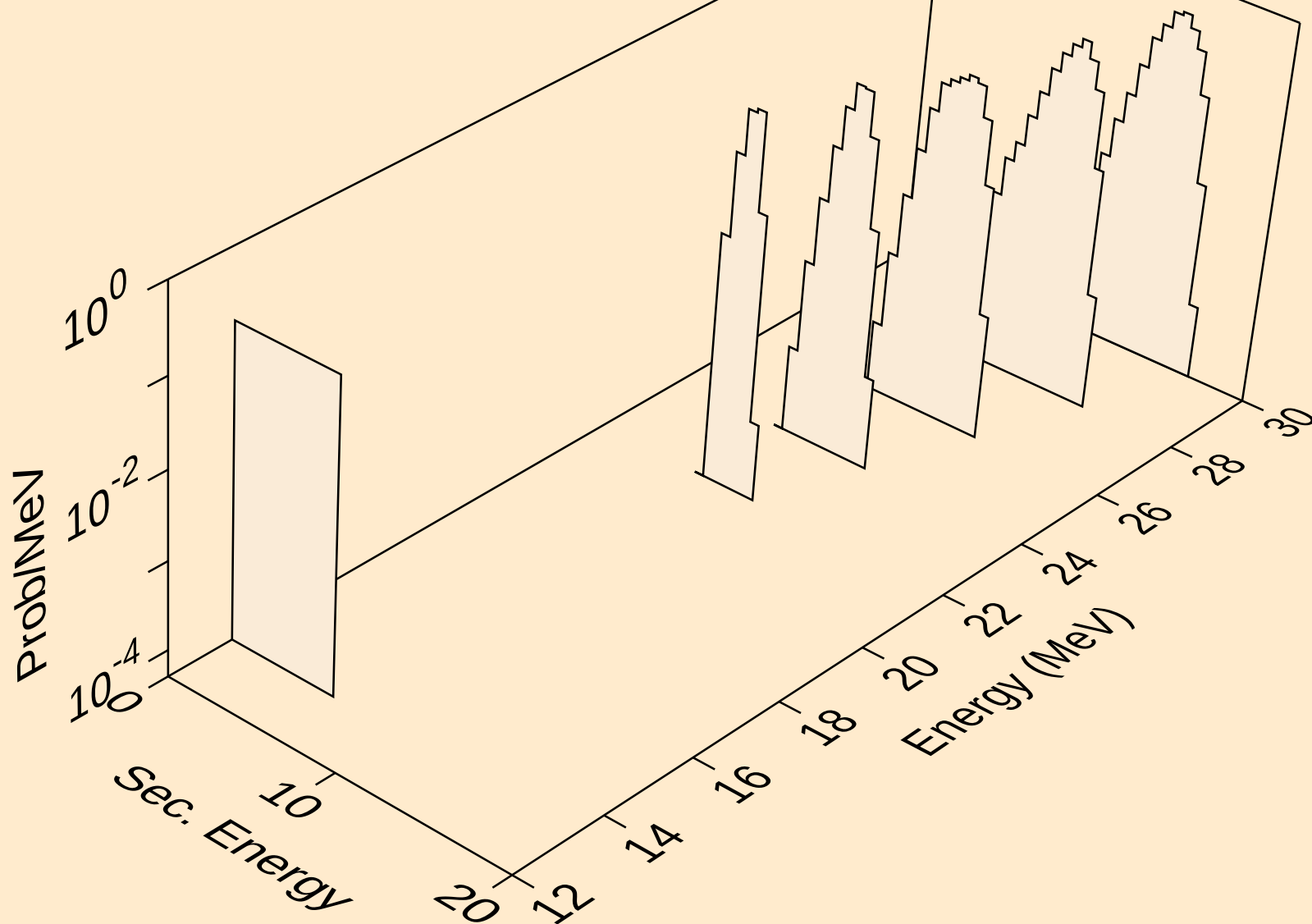
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



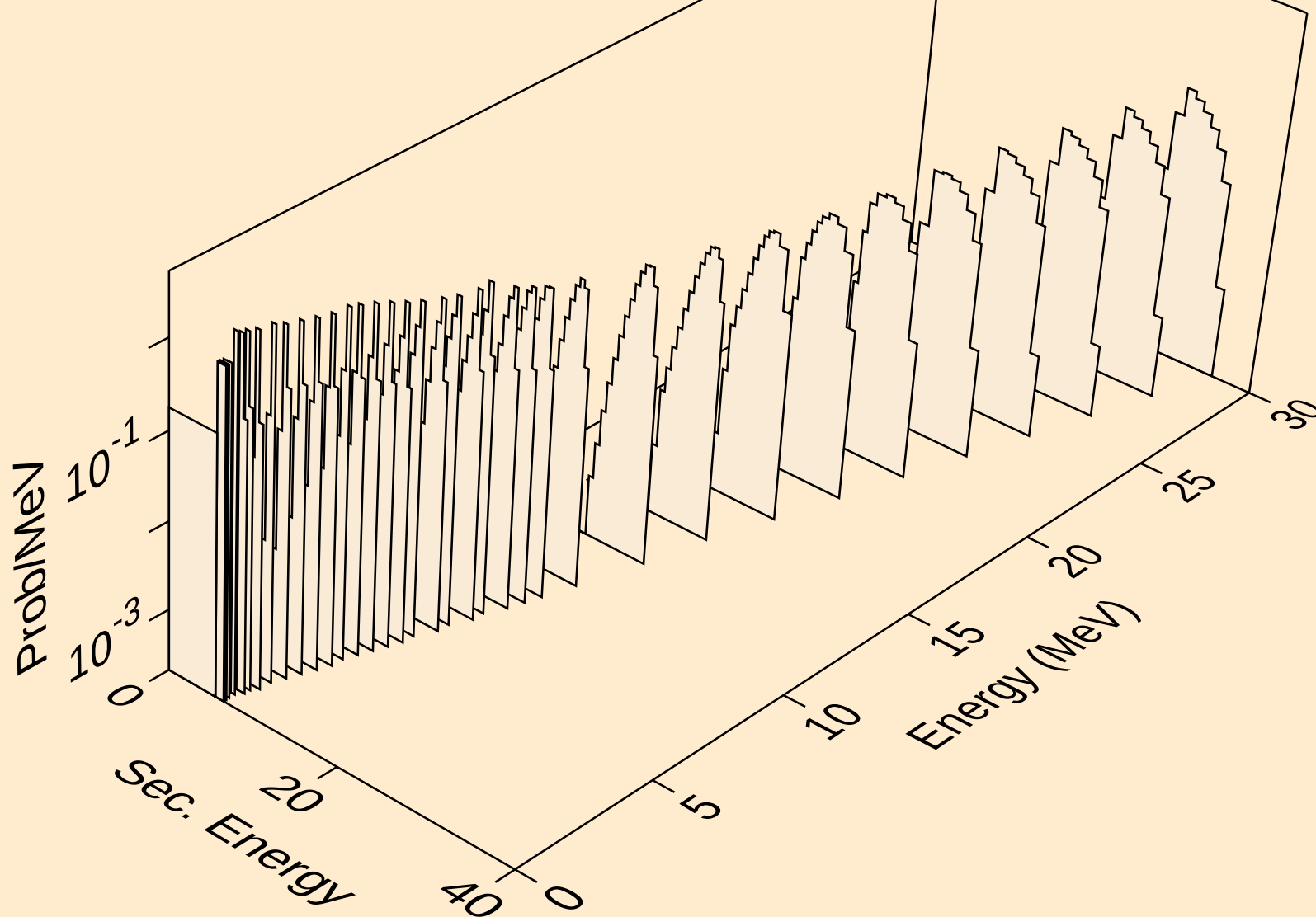
HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



HG200 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

