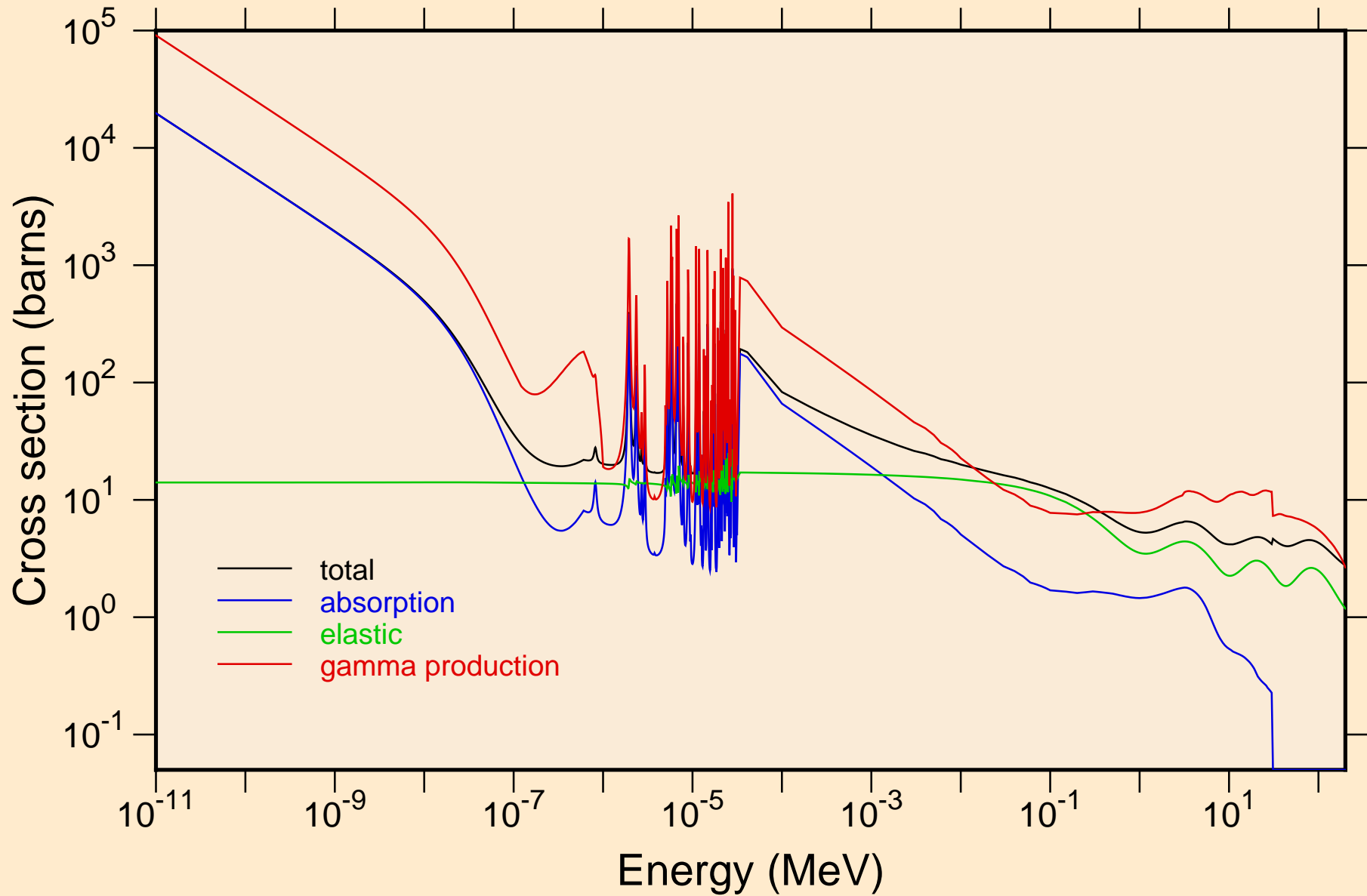
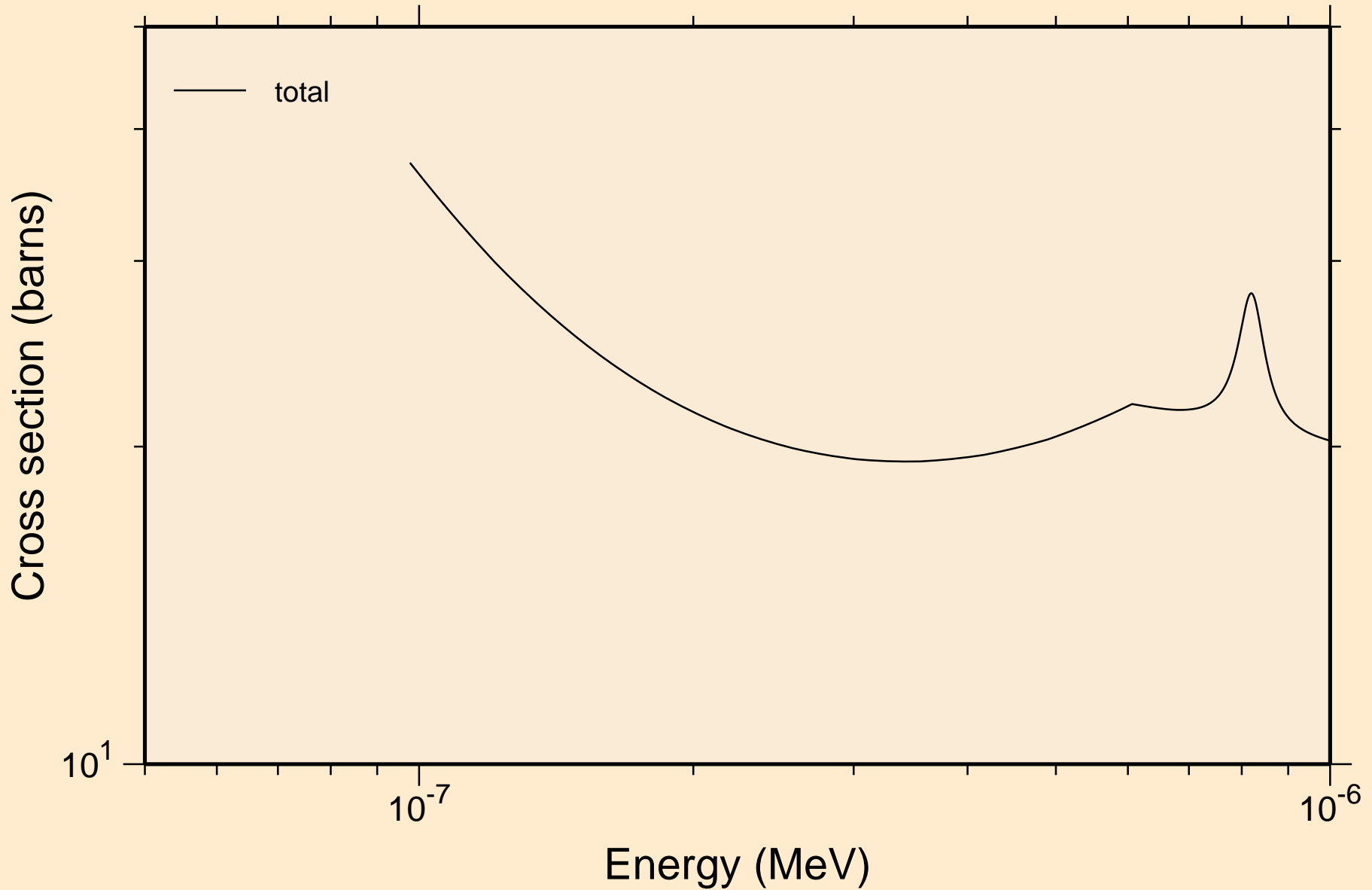


# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

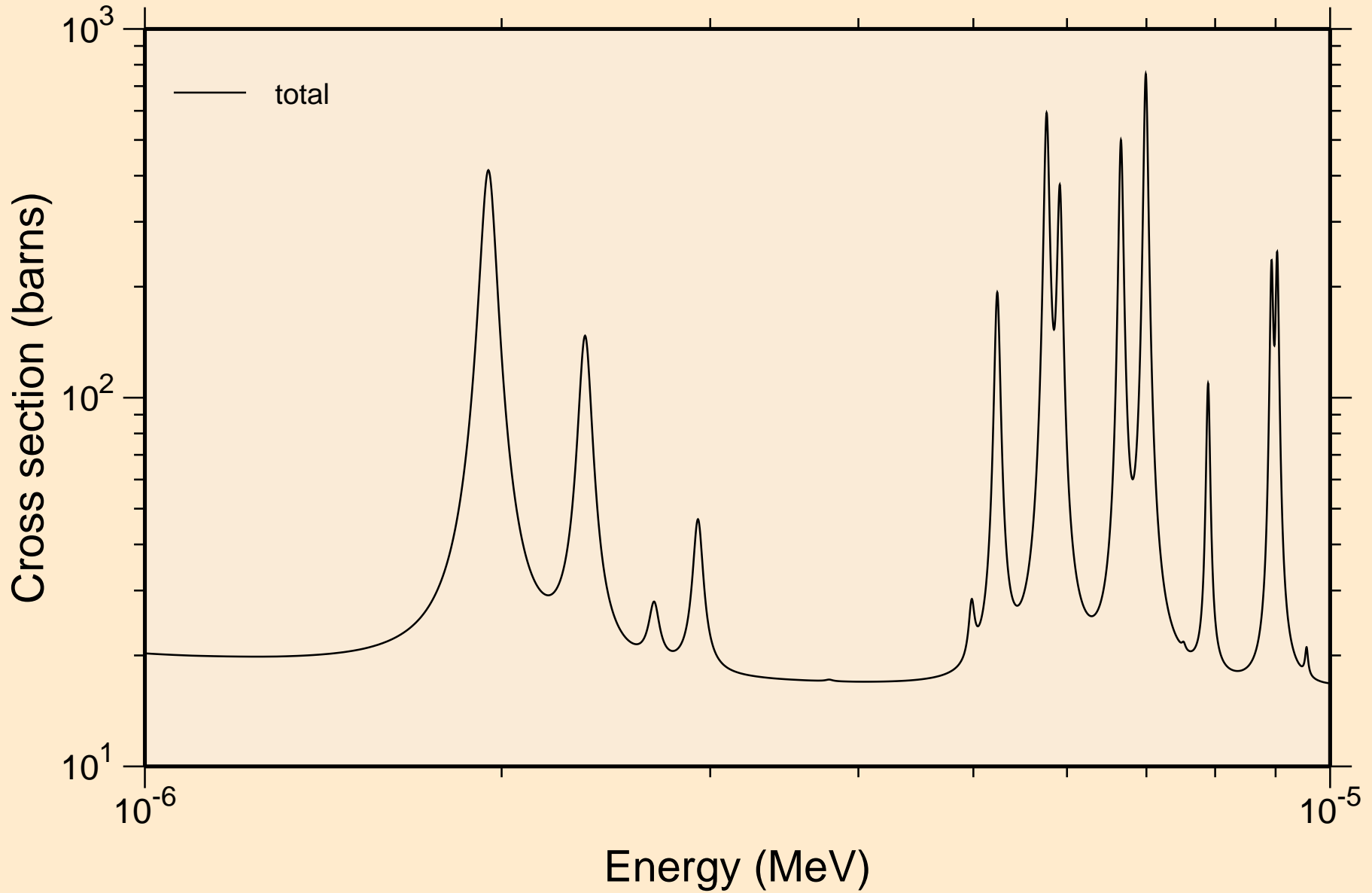
## Principal cross sections



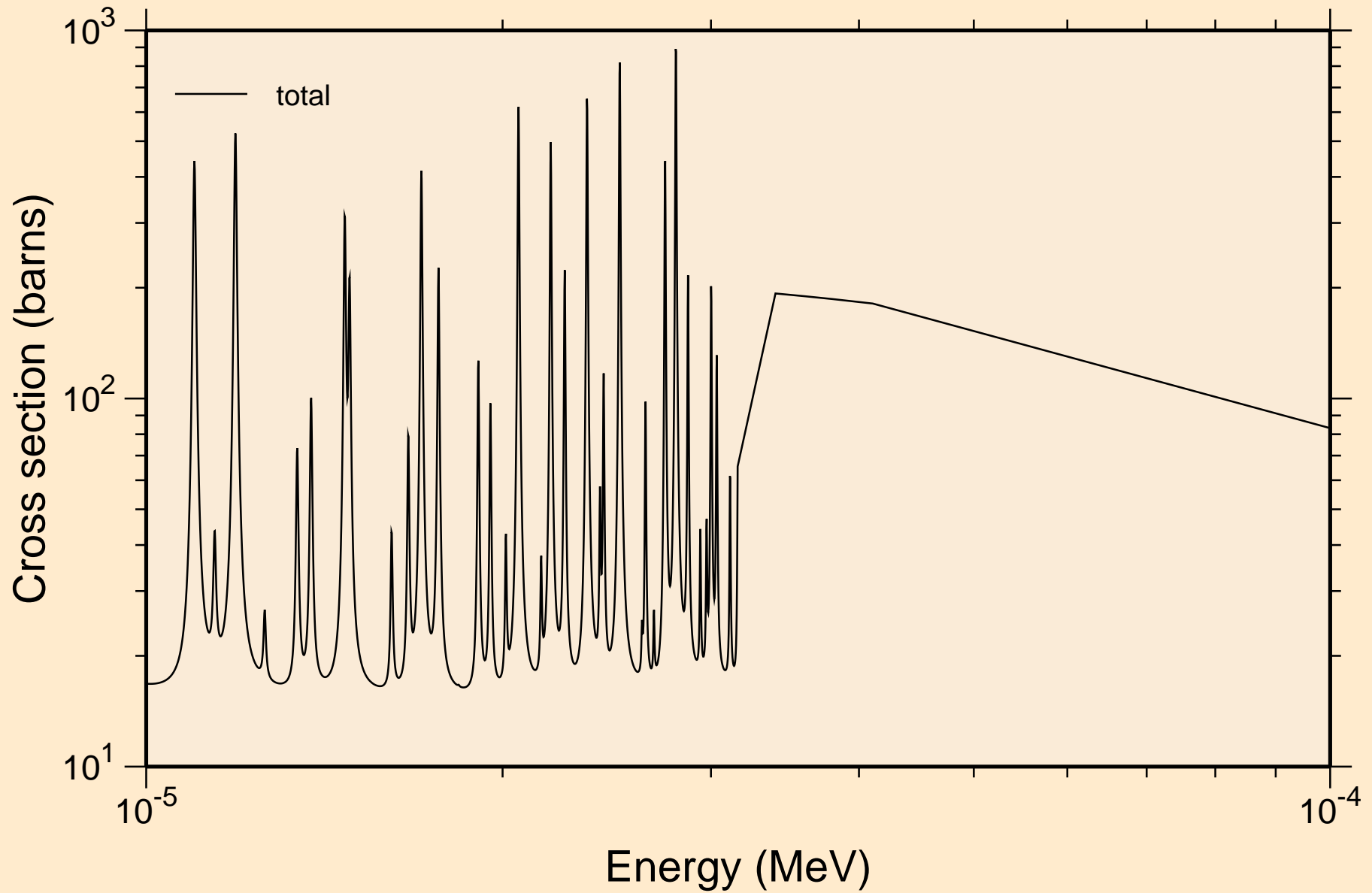
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



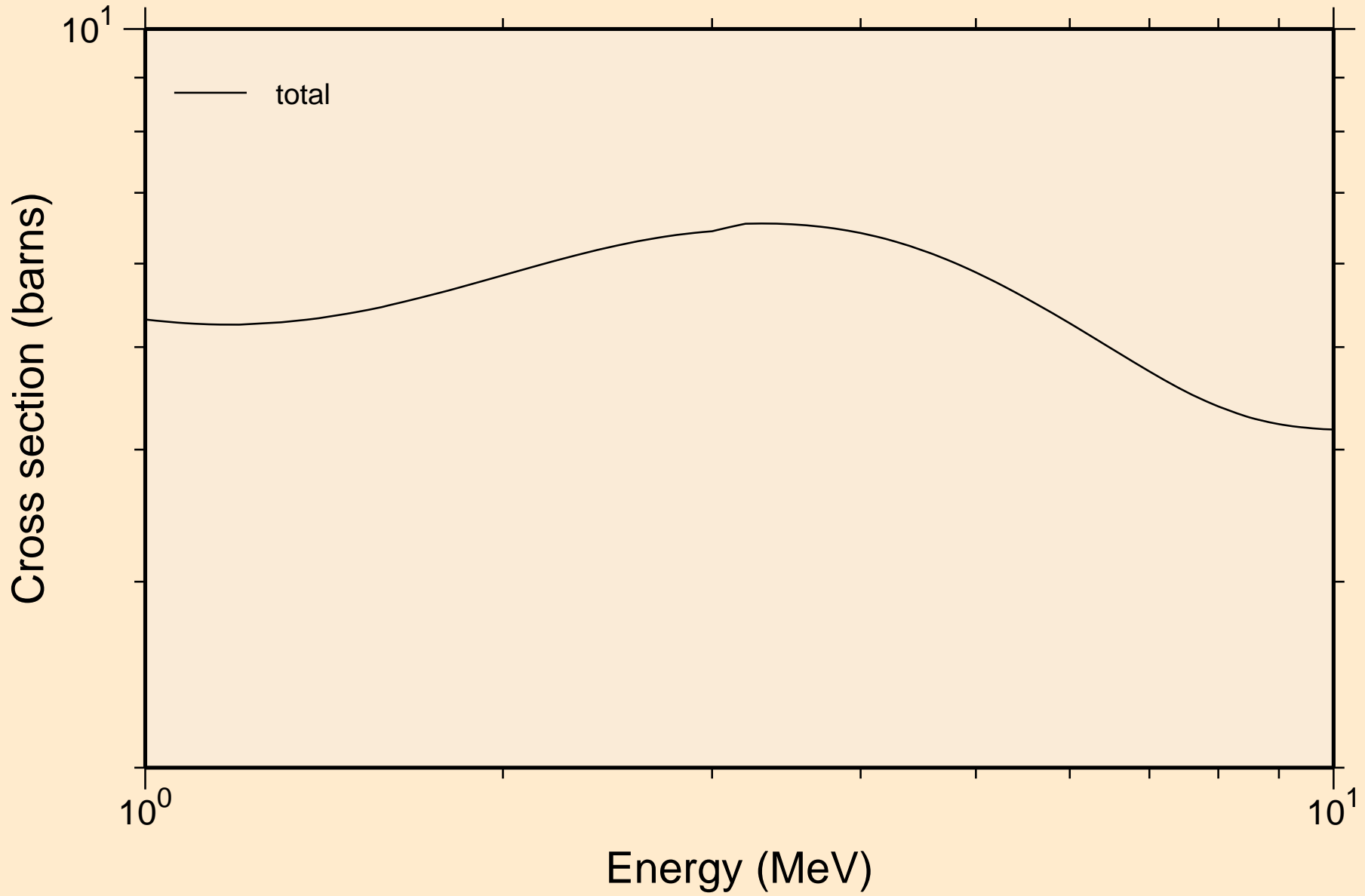
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



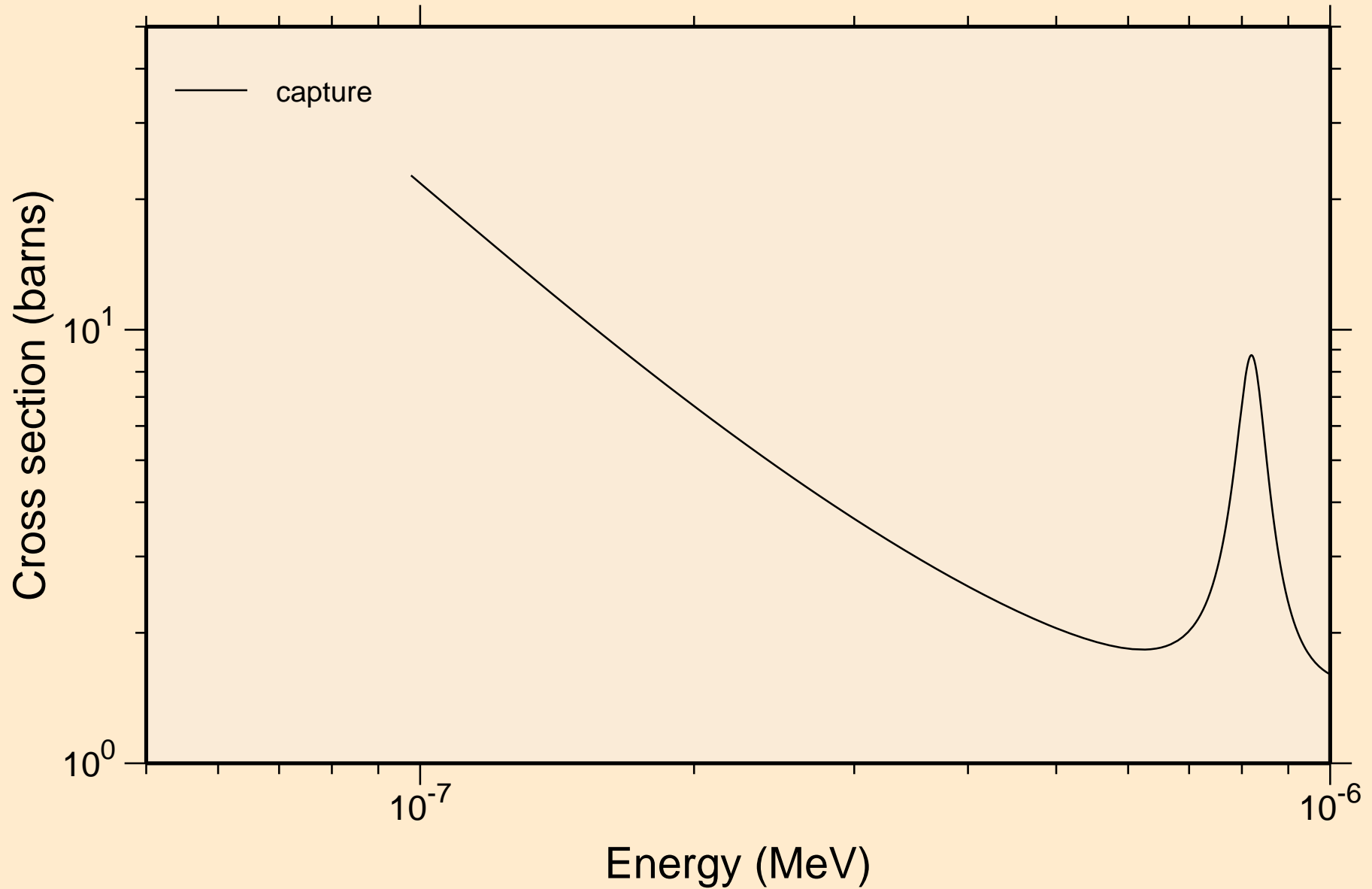
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



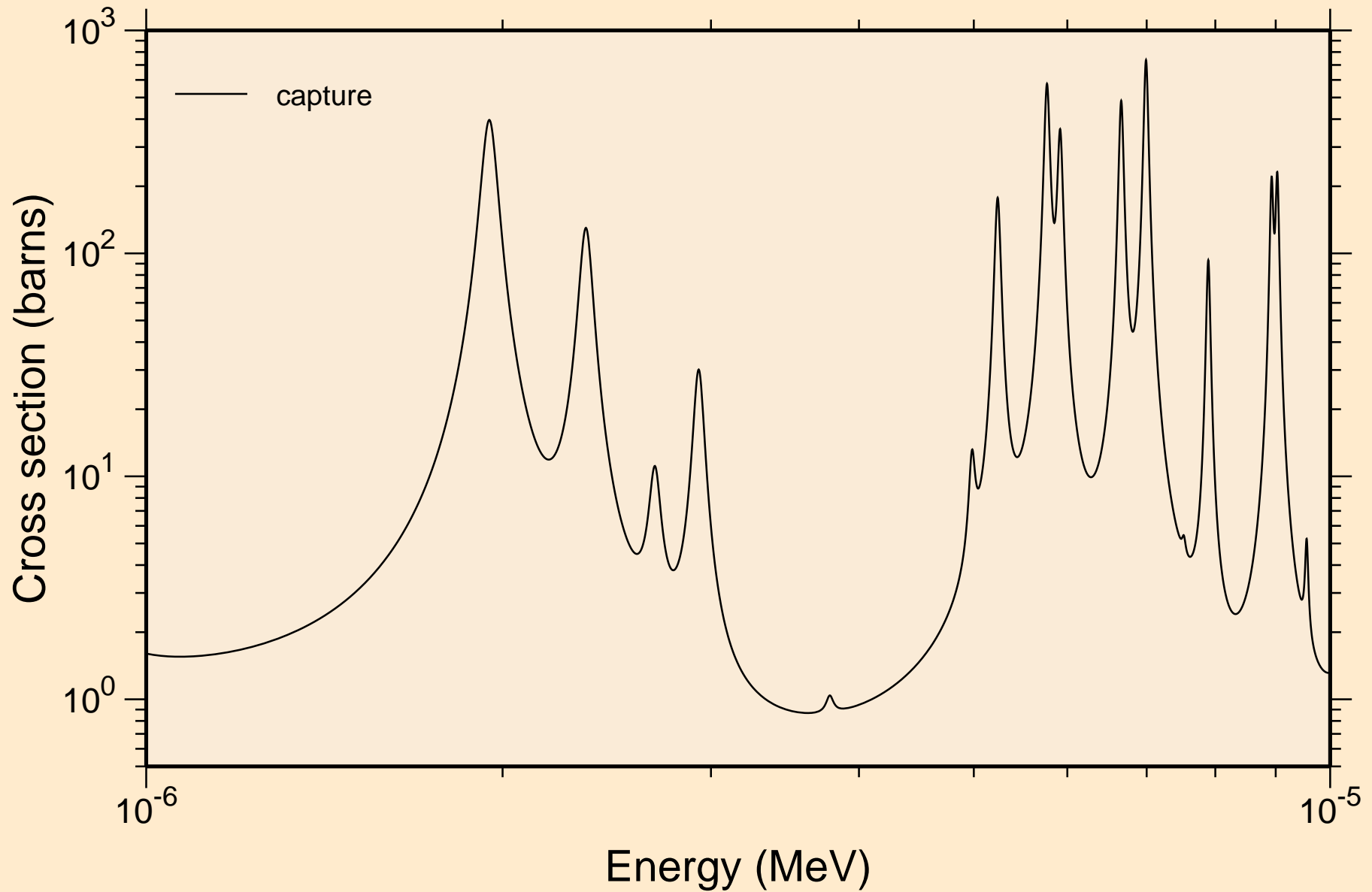
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



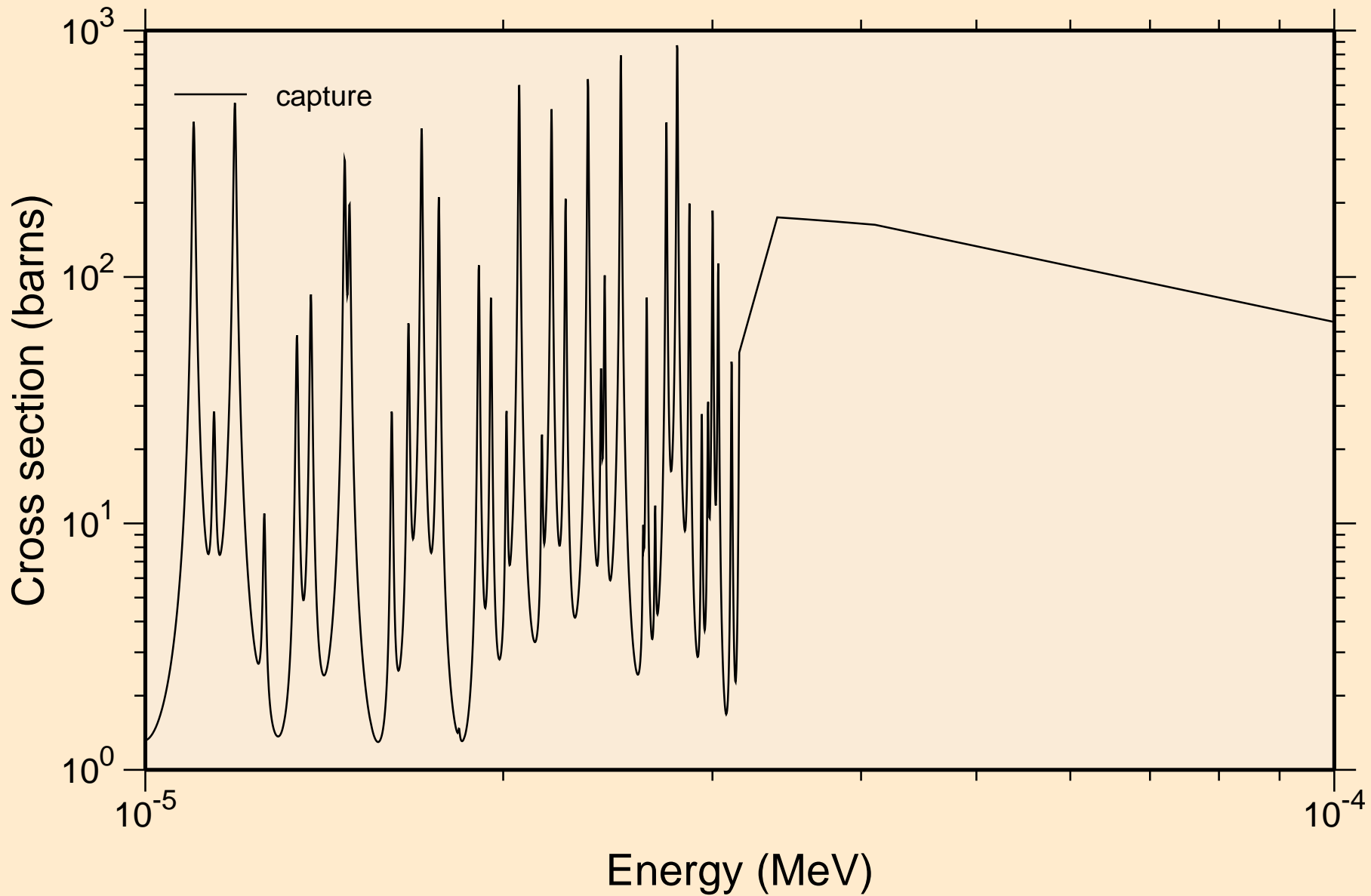
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

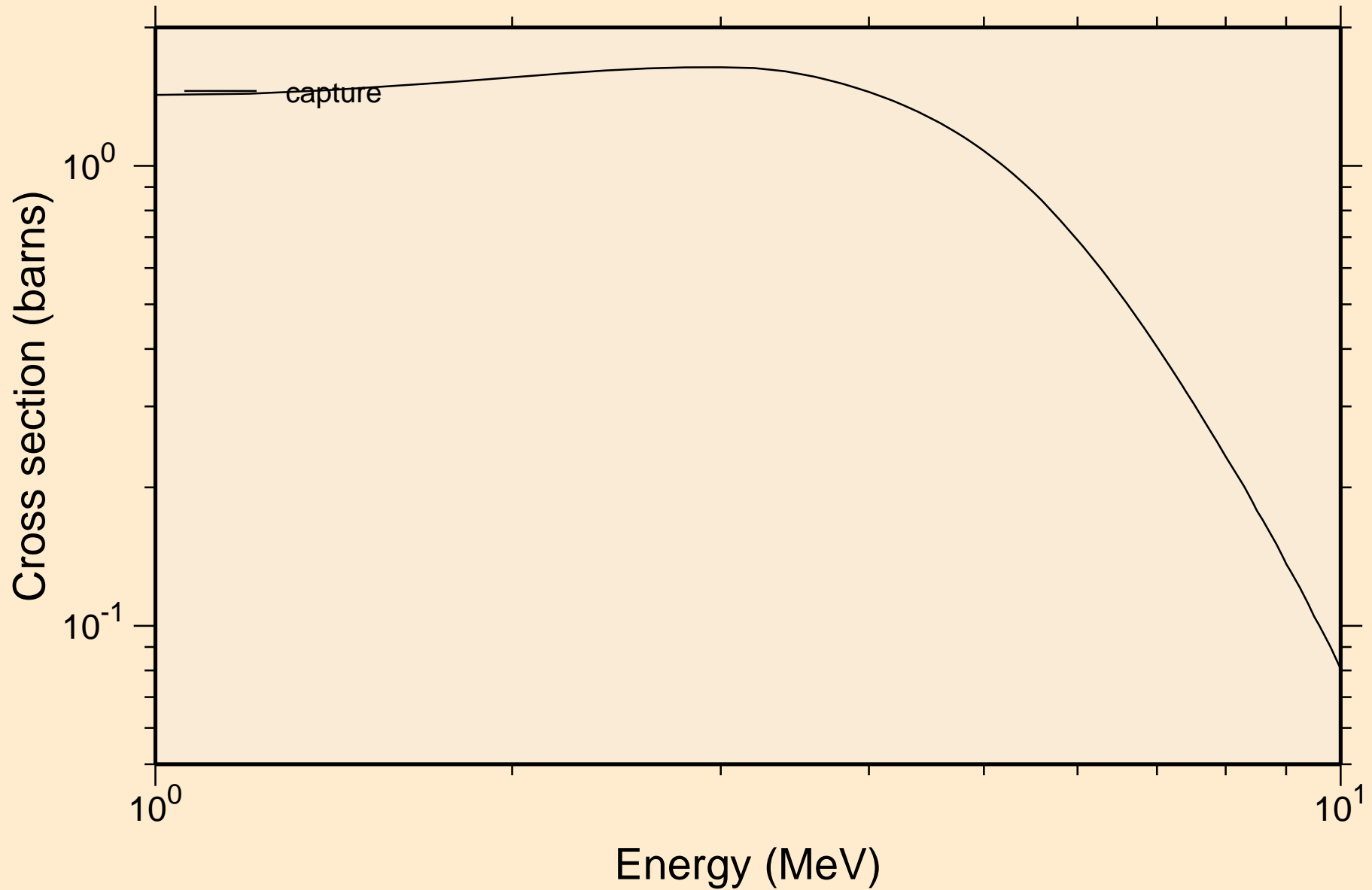


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



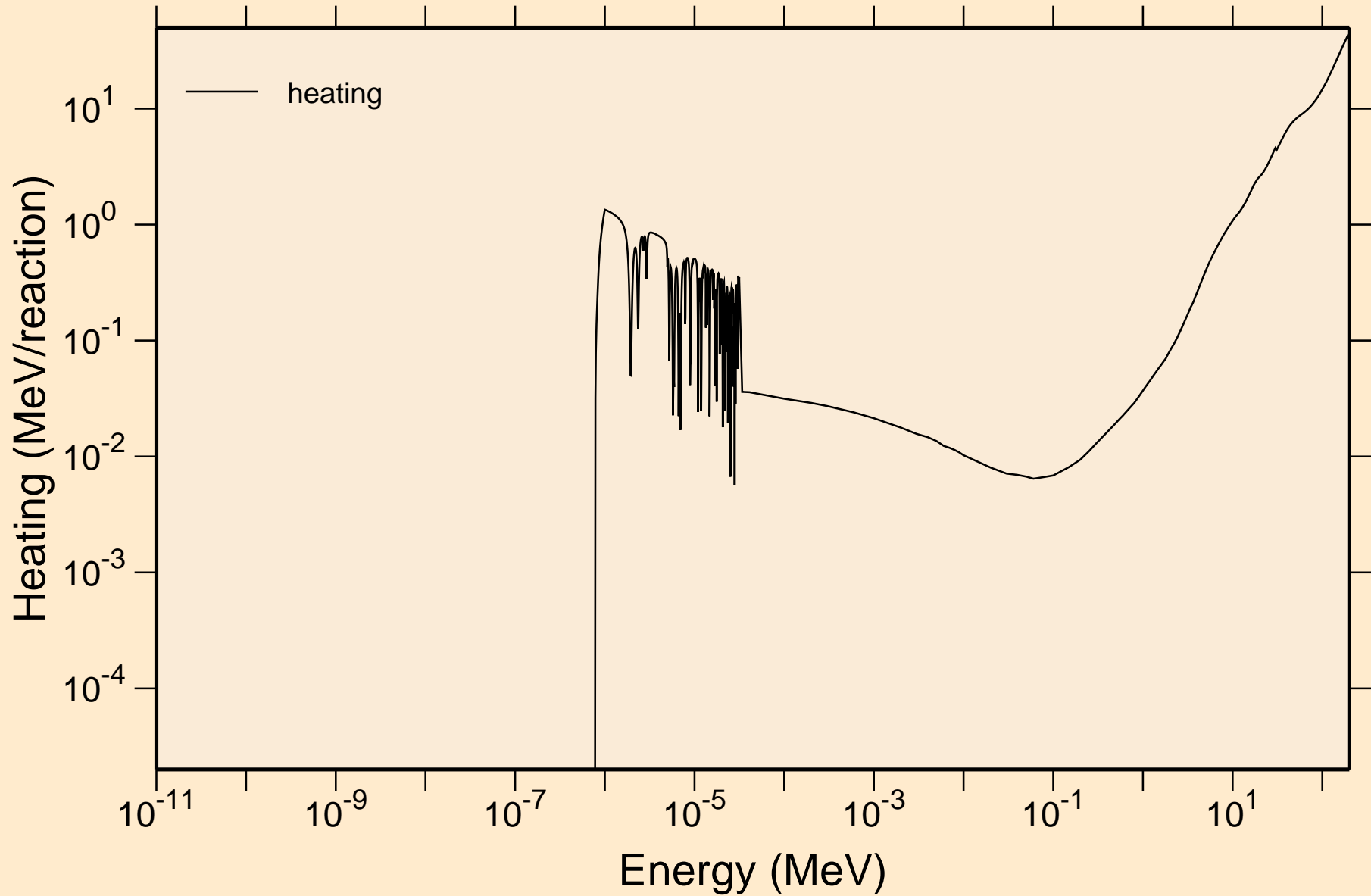


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



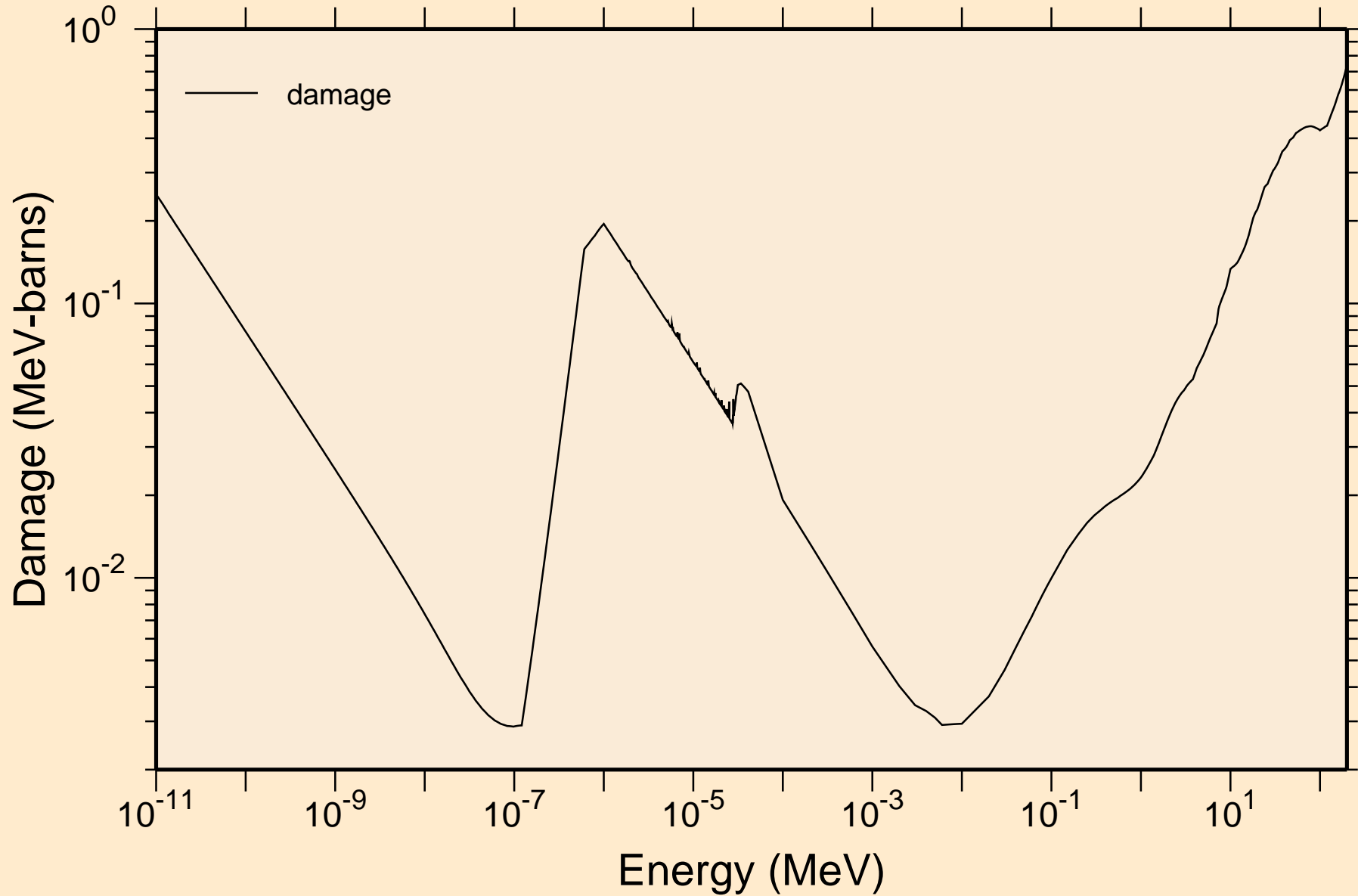
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



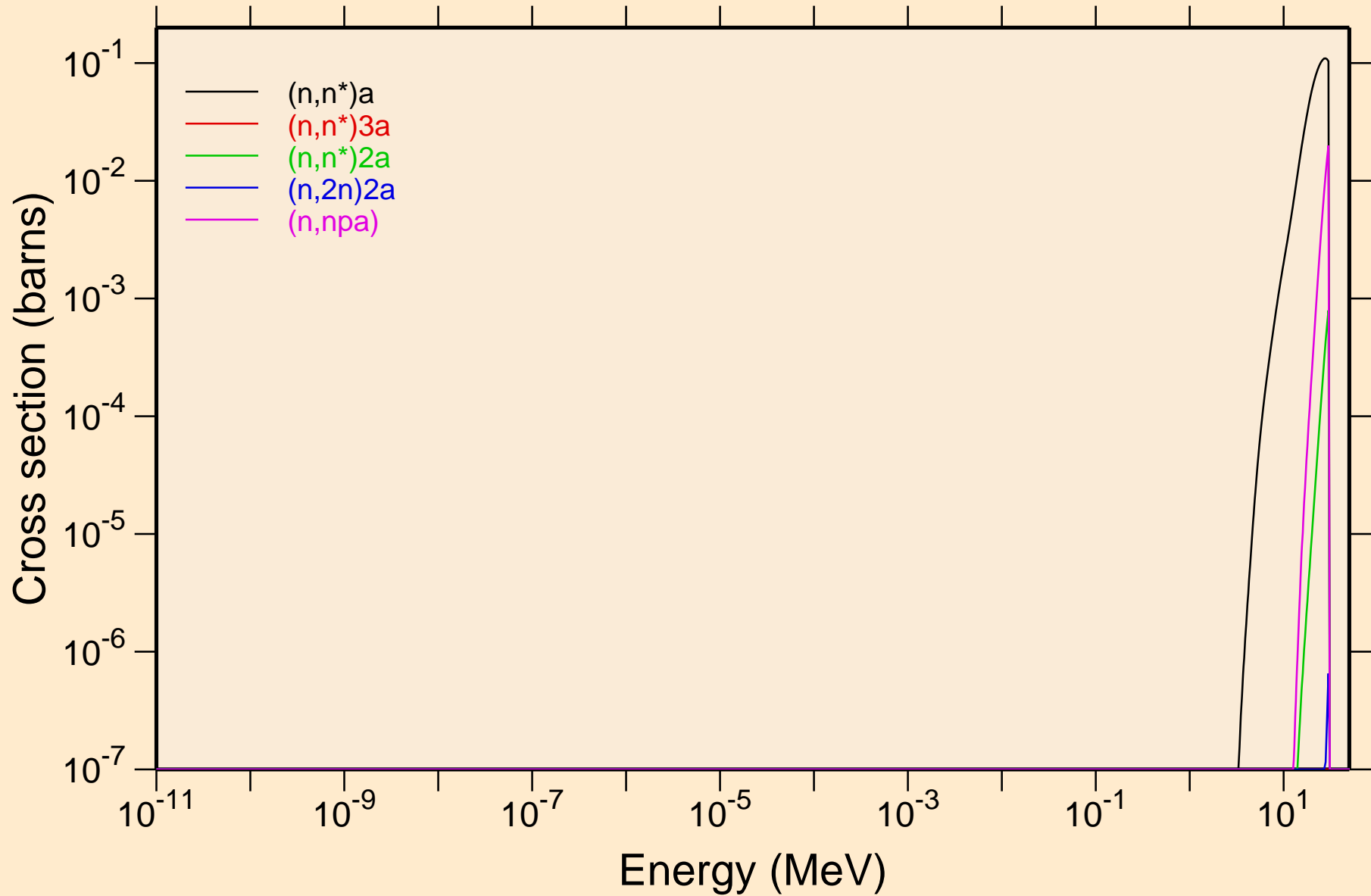
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



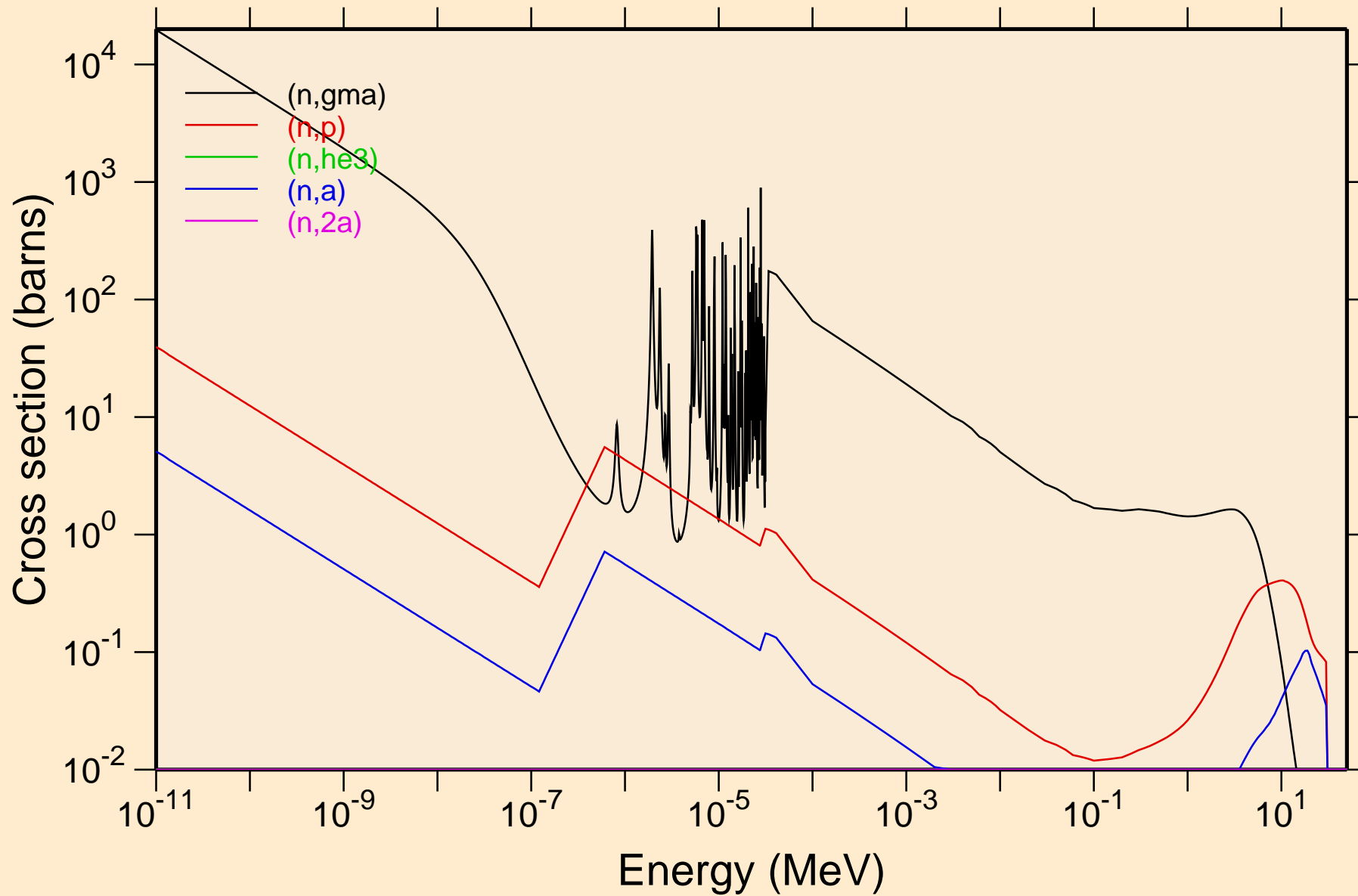
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

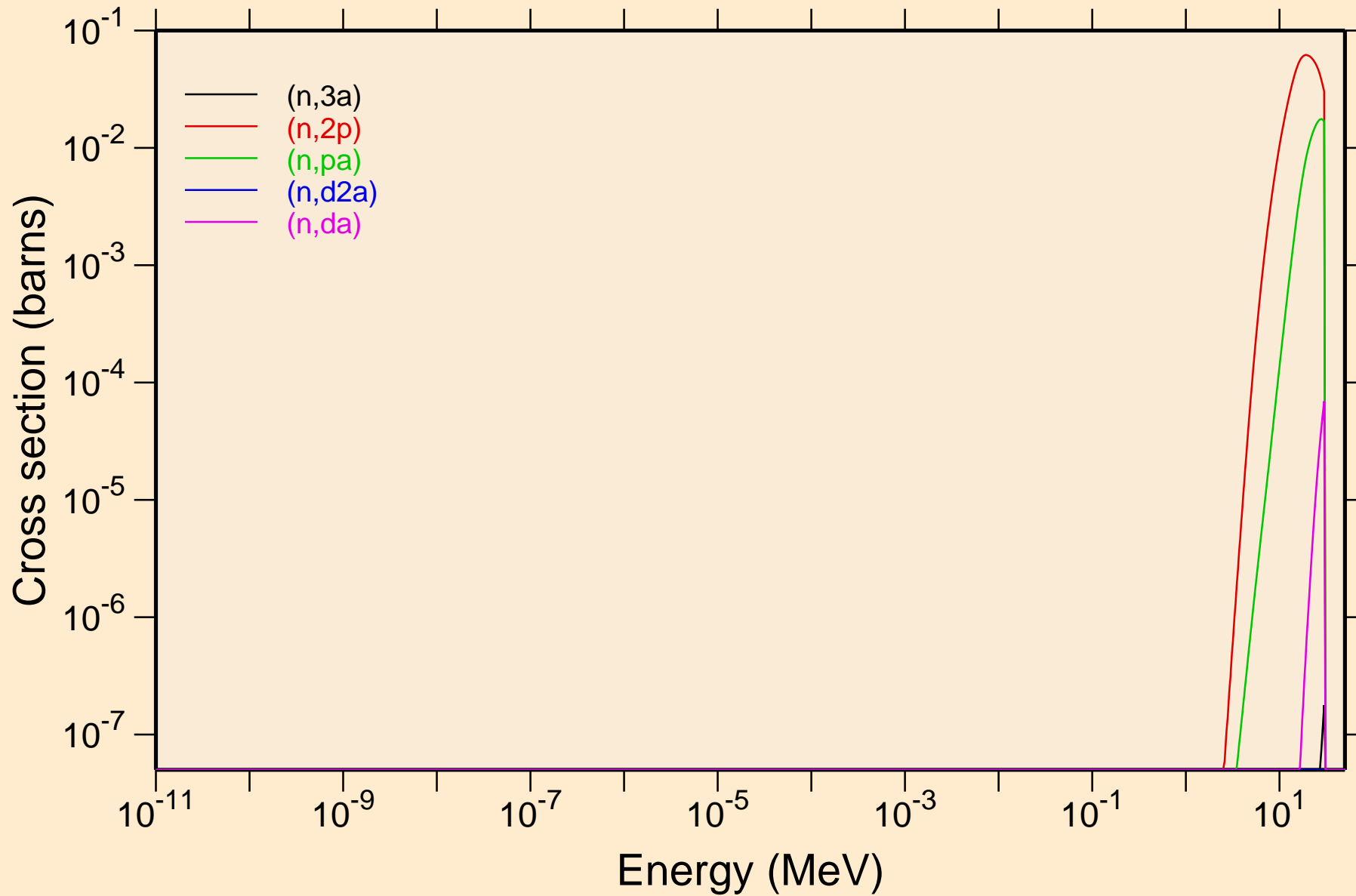


# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

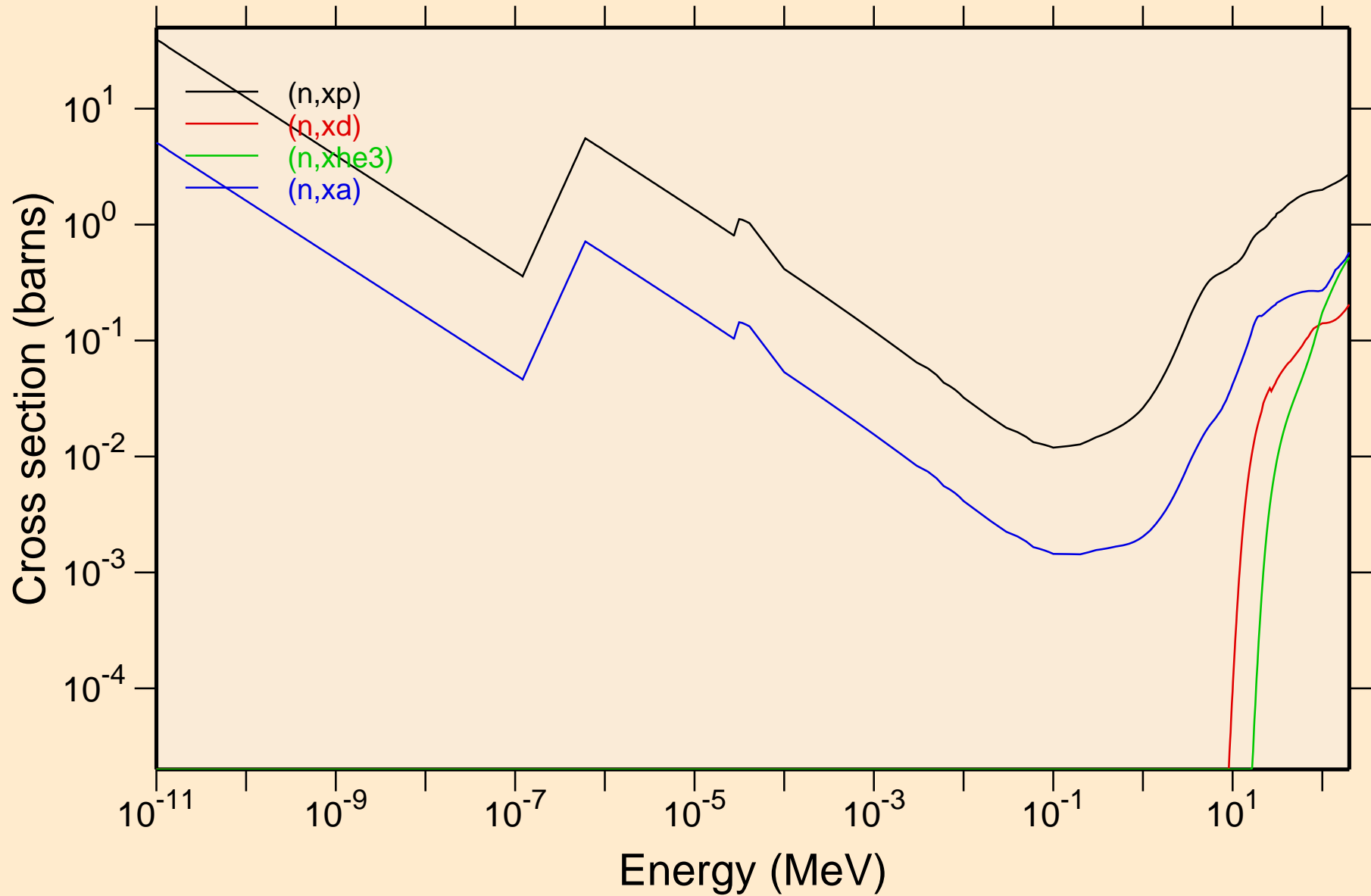


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



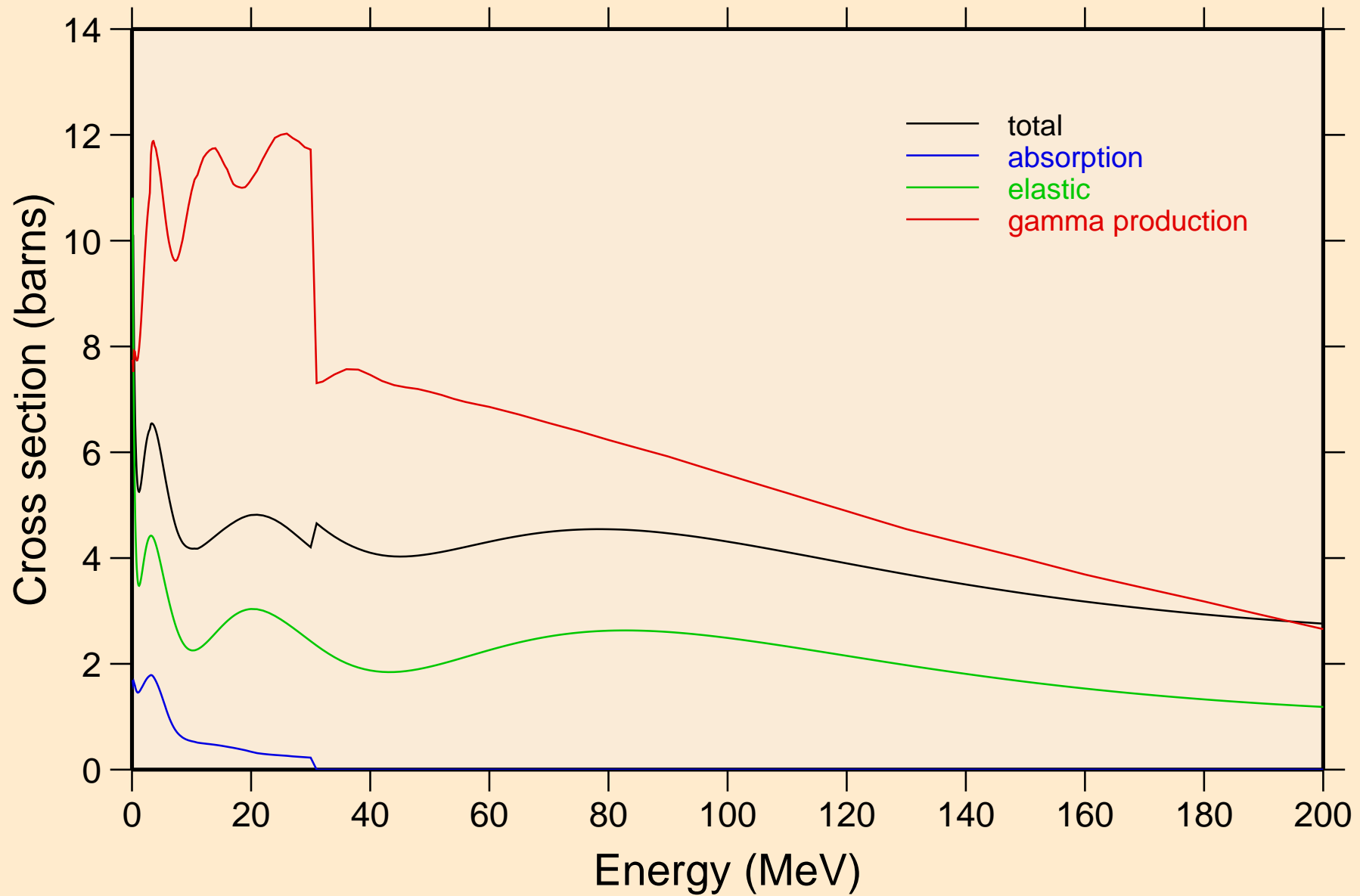
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

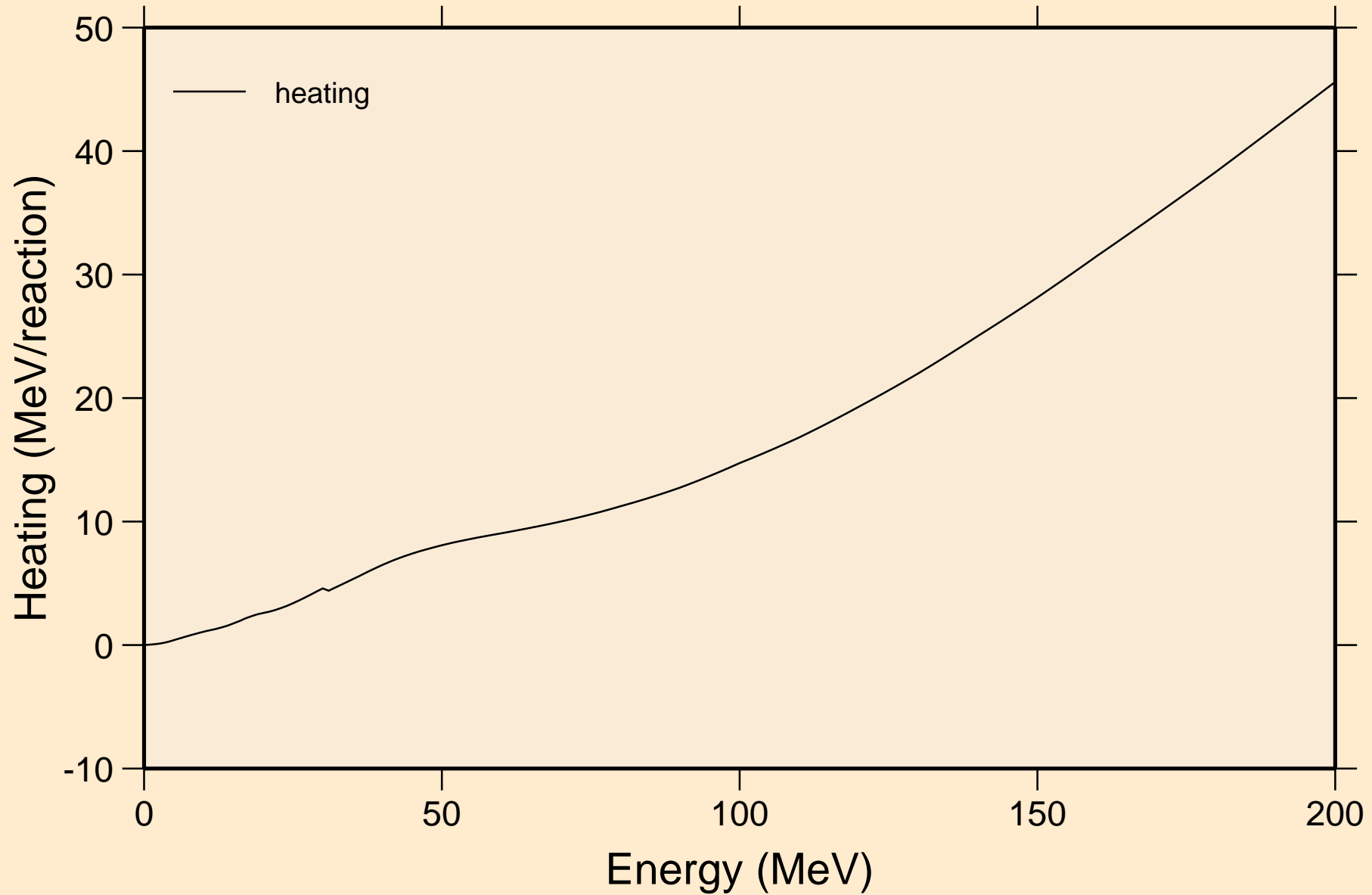
## Principal cross sections





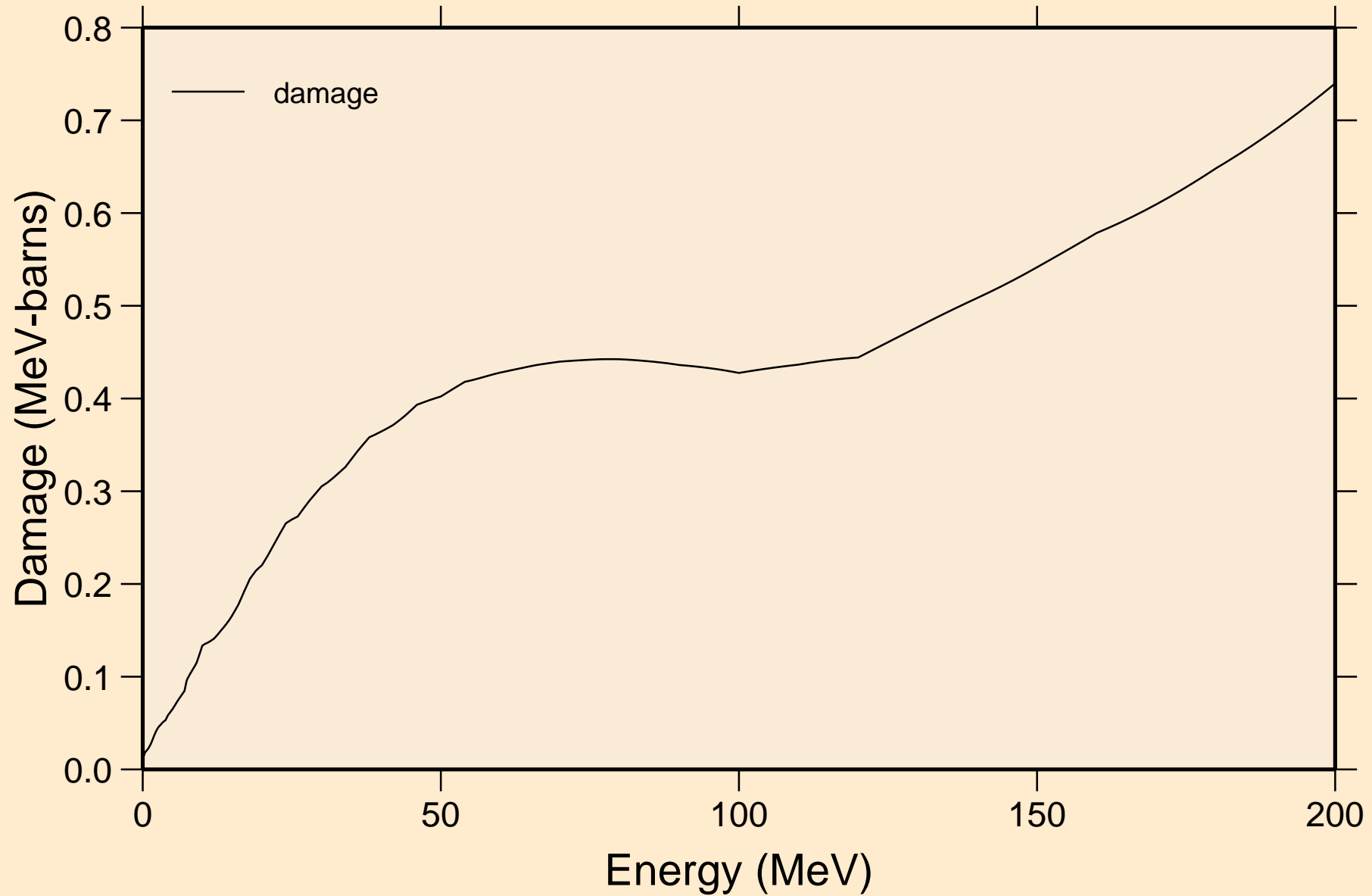
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



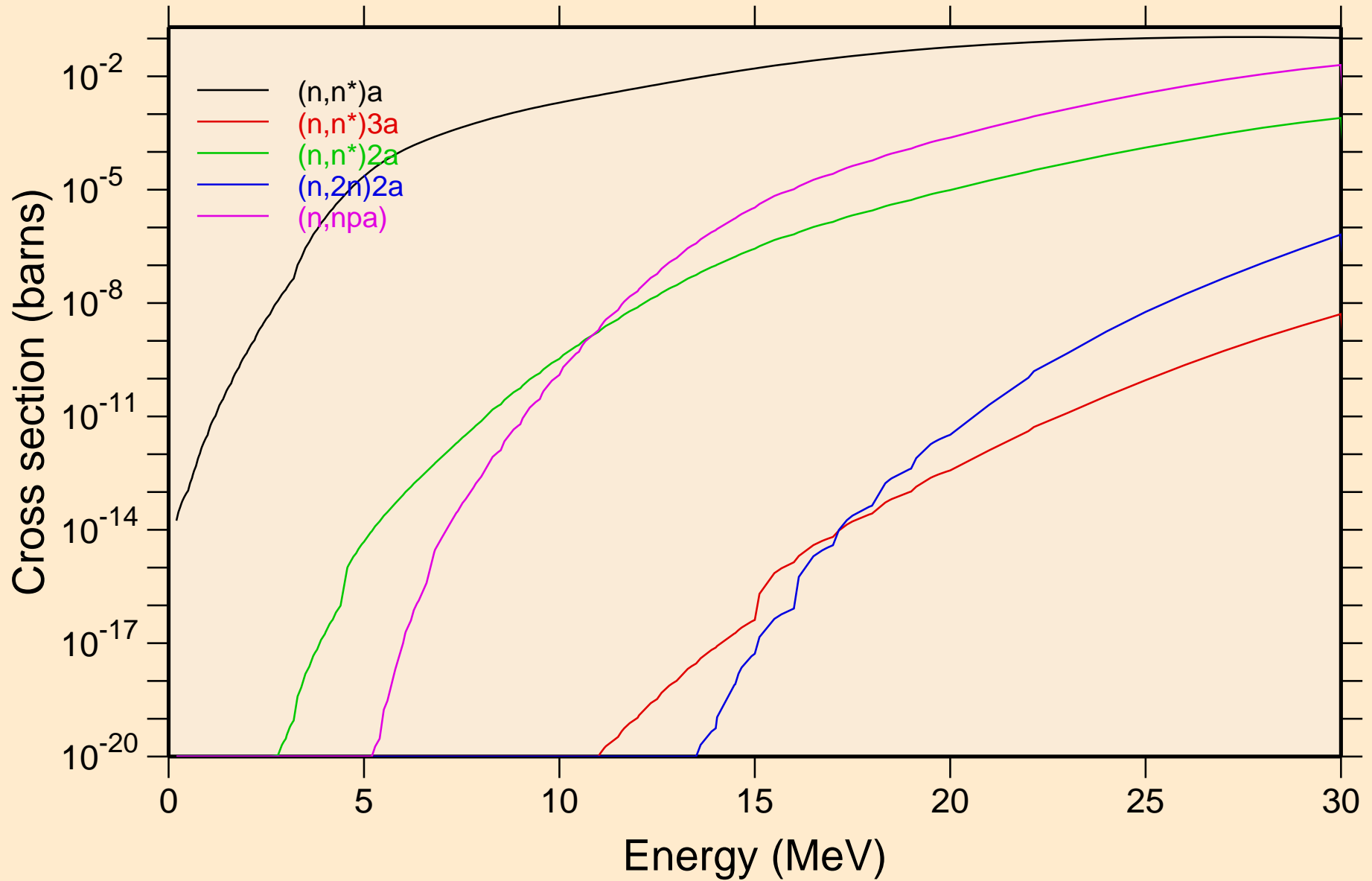
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



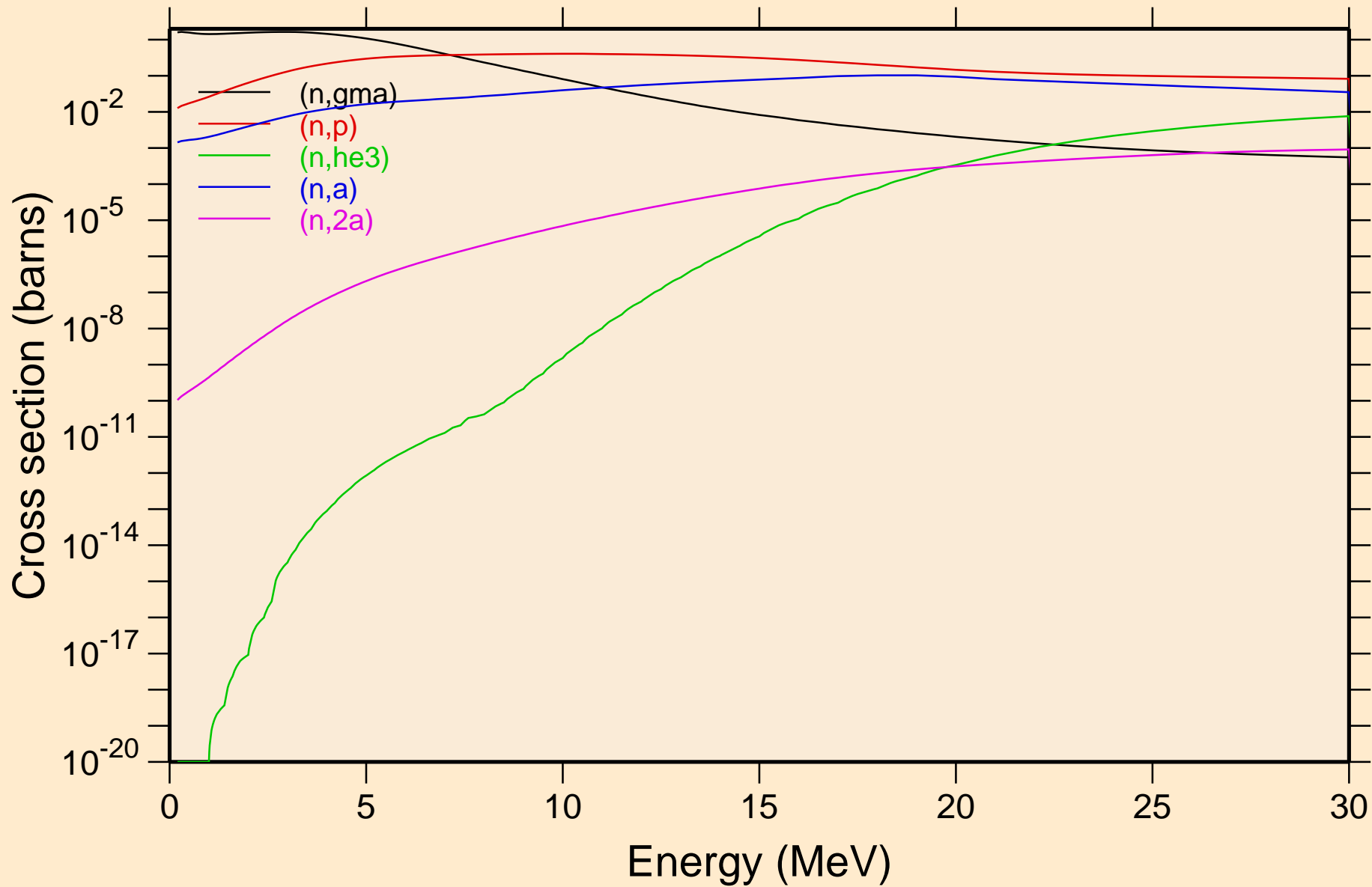
# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

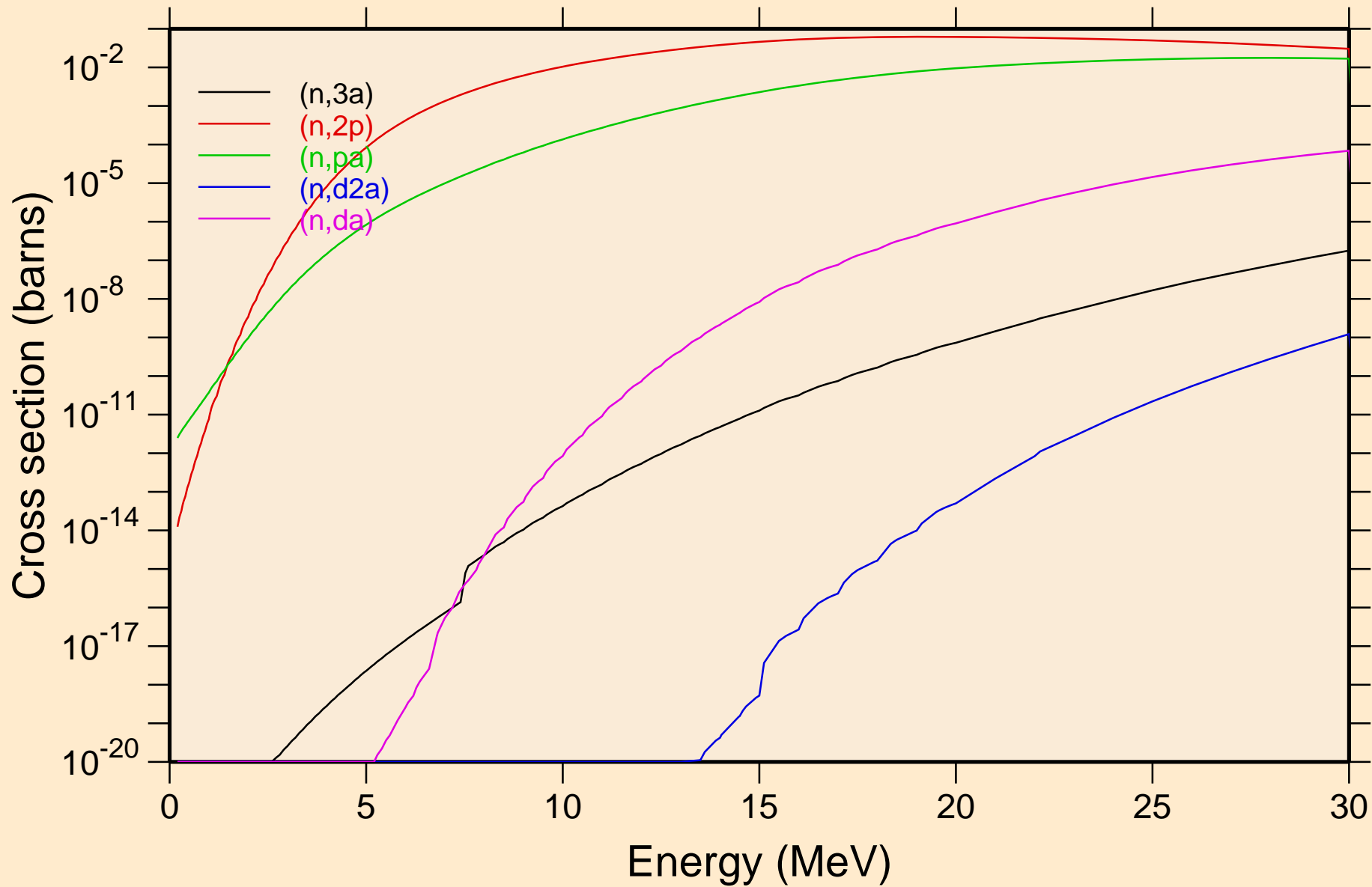


# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

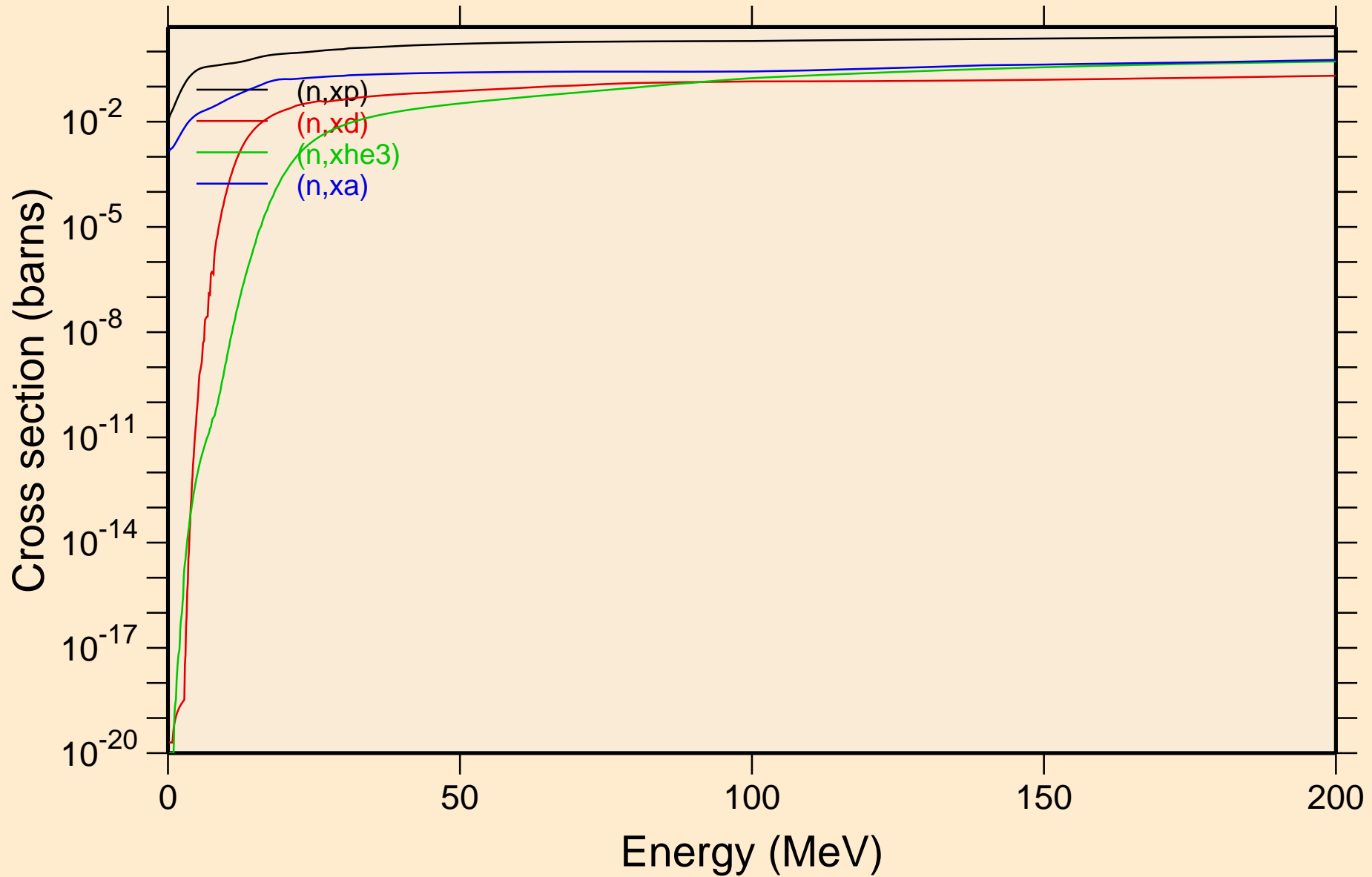


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



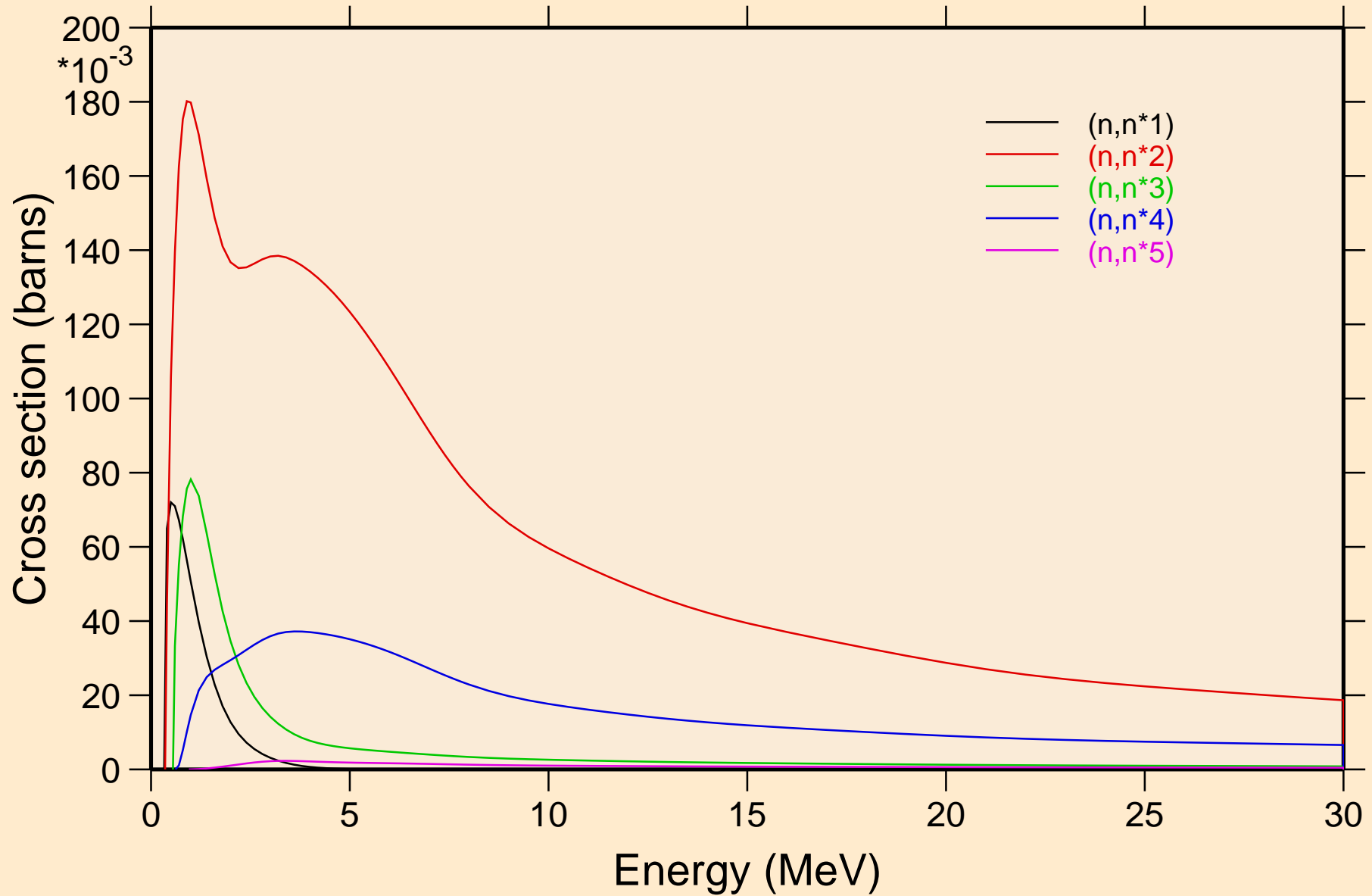
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## Non-threshold reactions



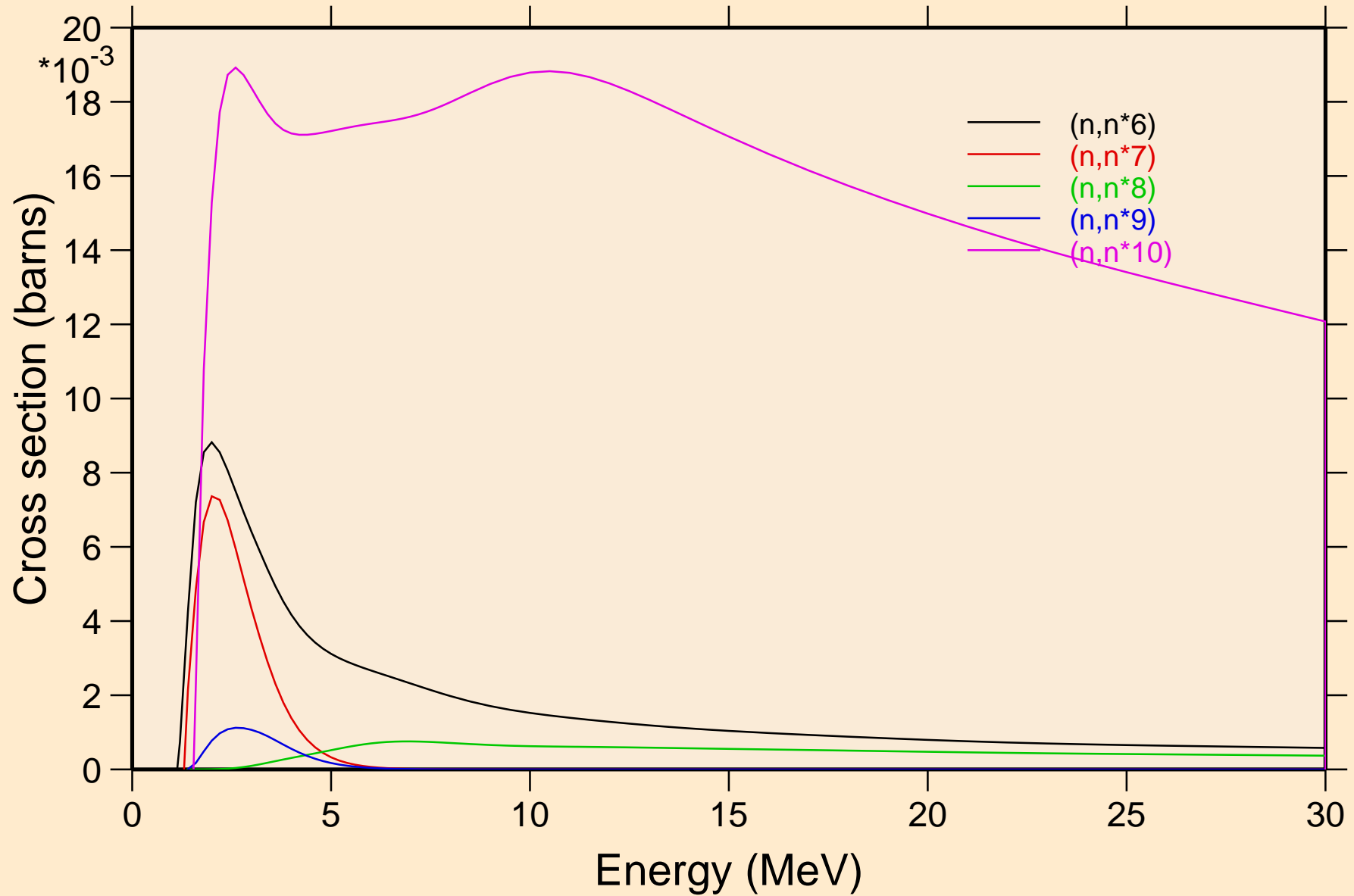
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## Inelastic levels



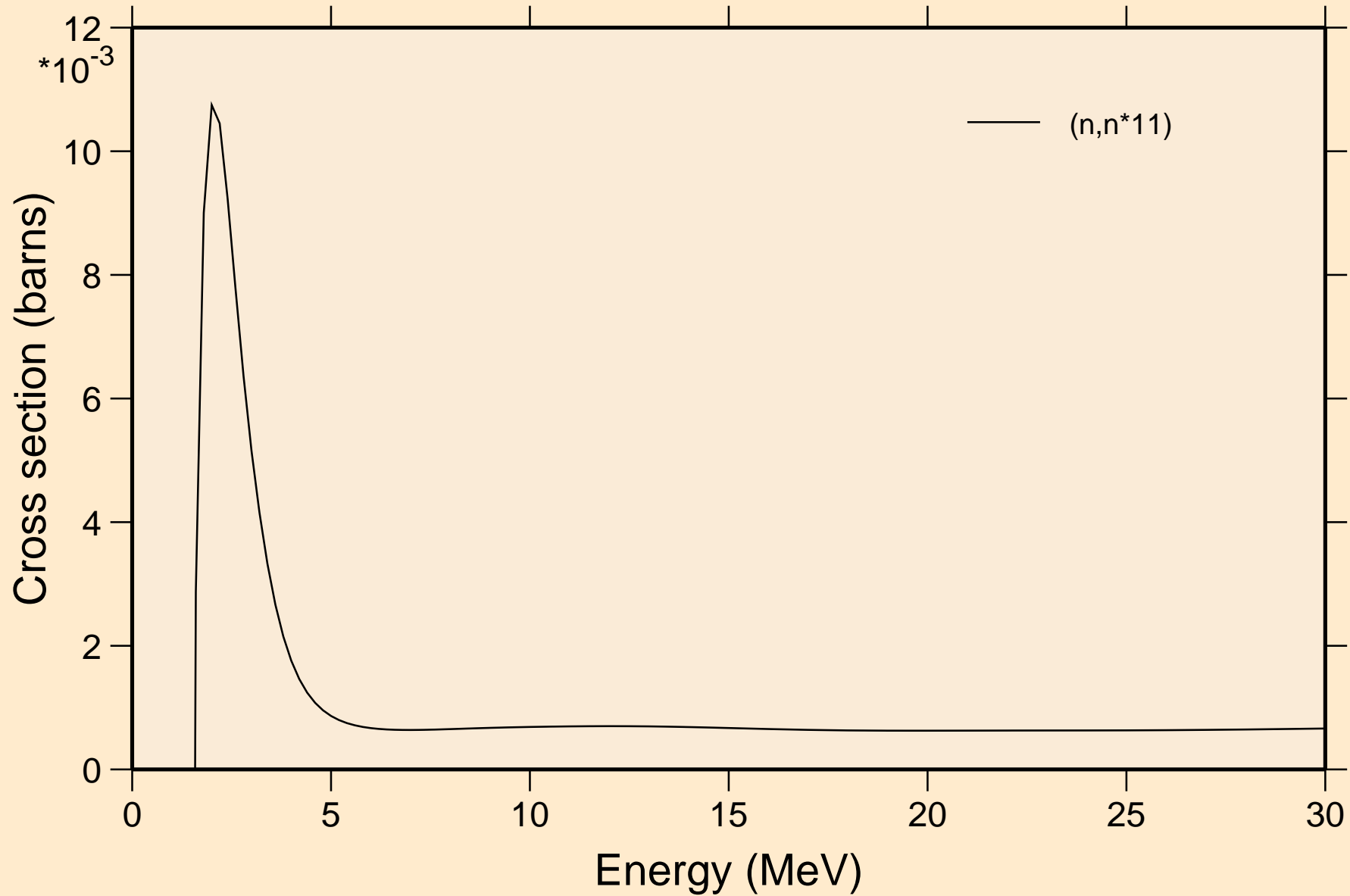
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## Inelastic levels



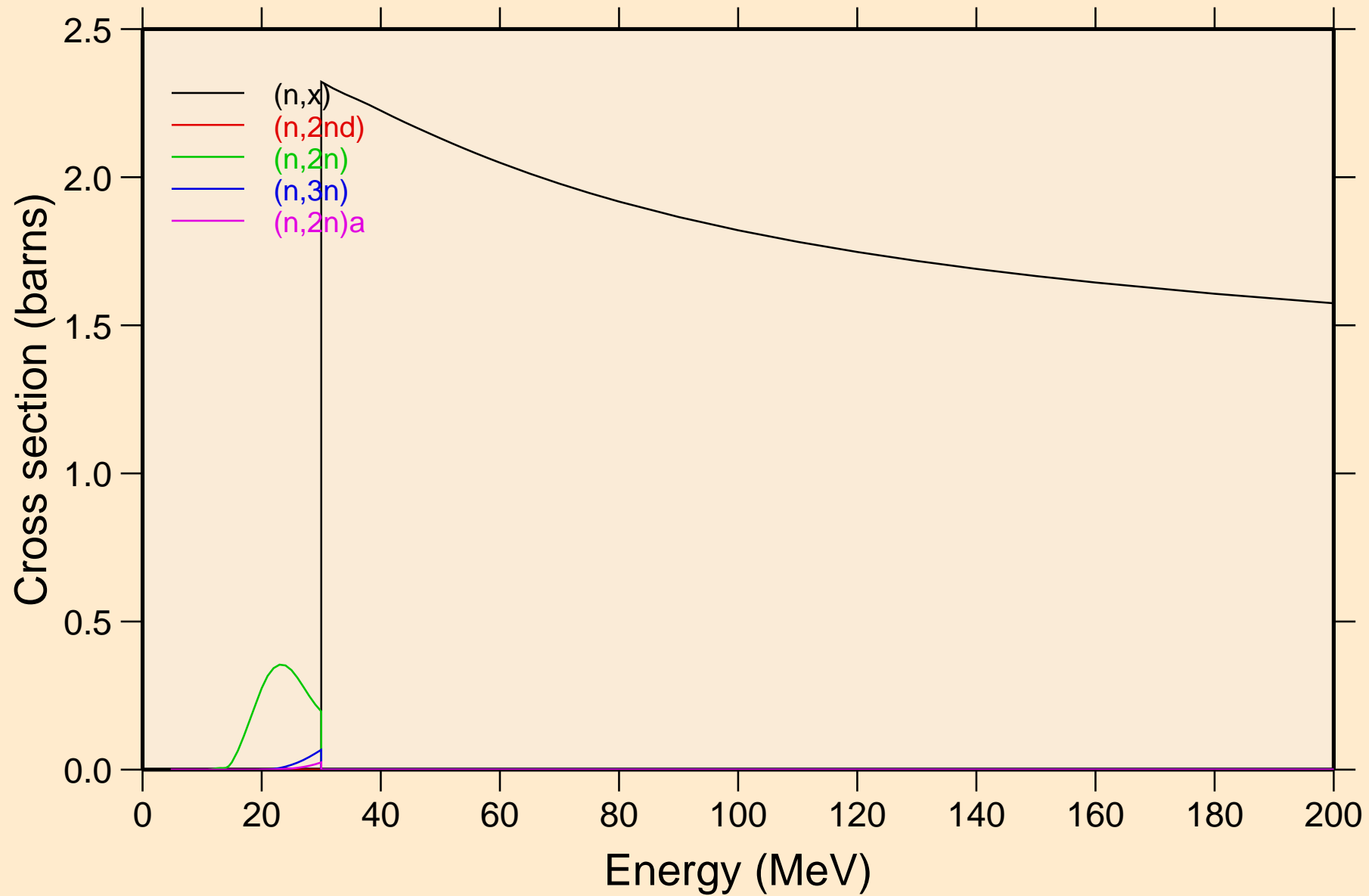


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

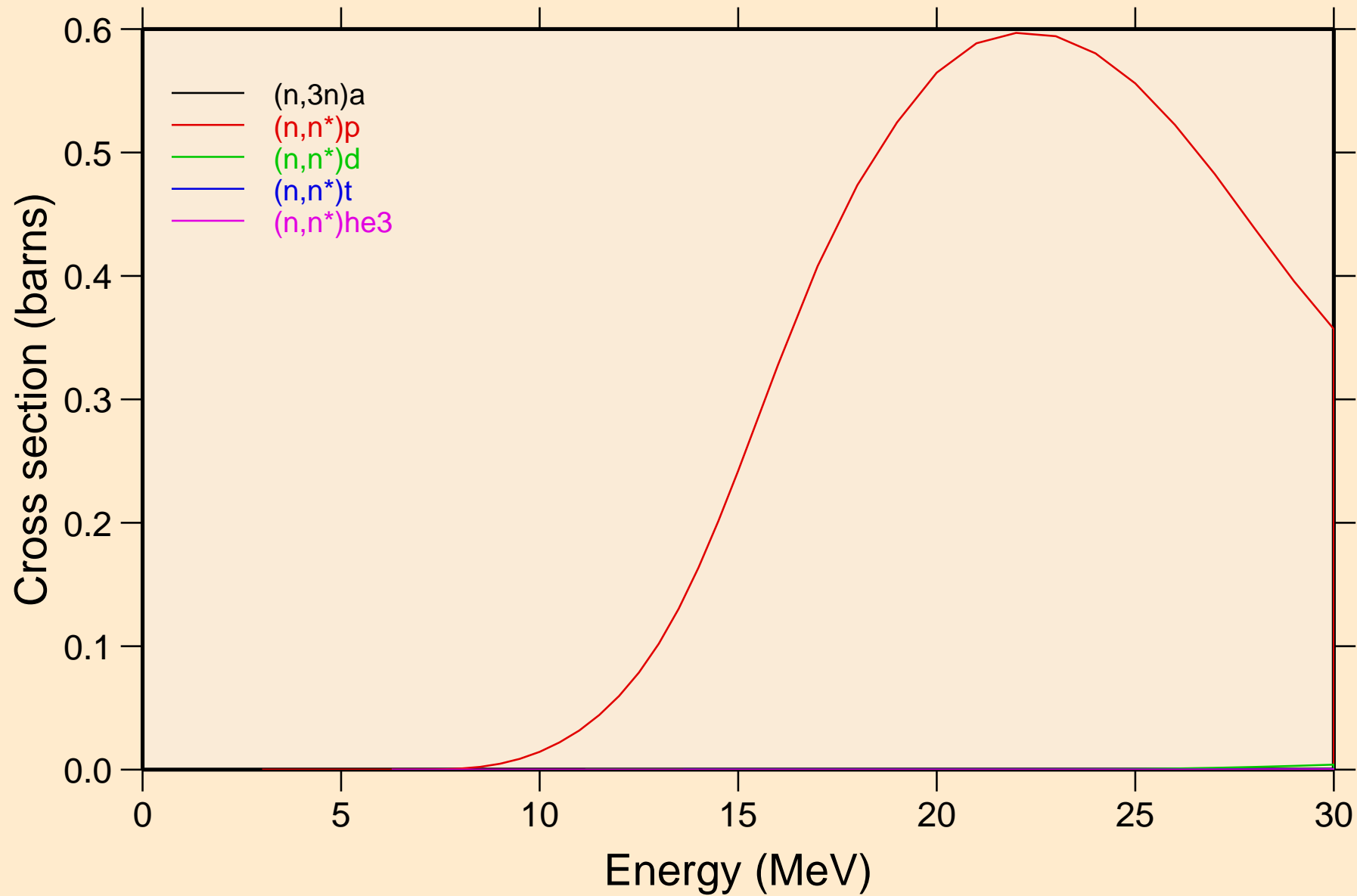


# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

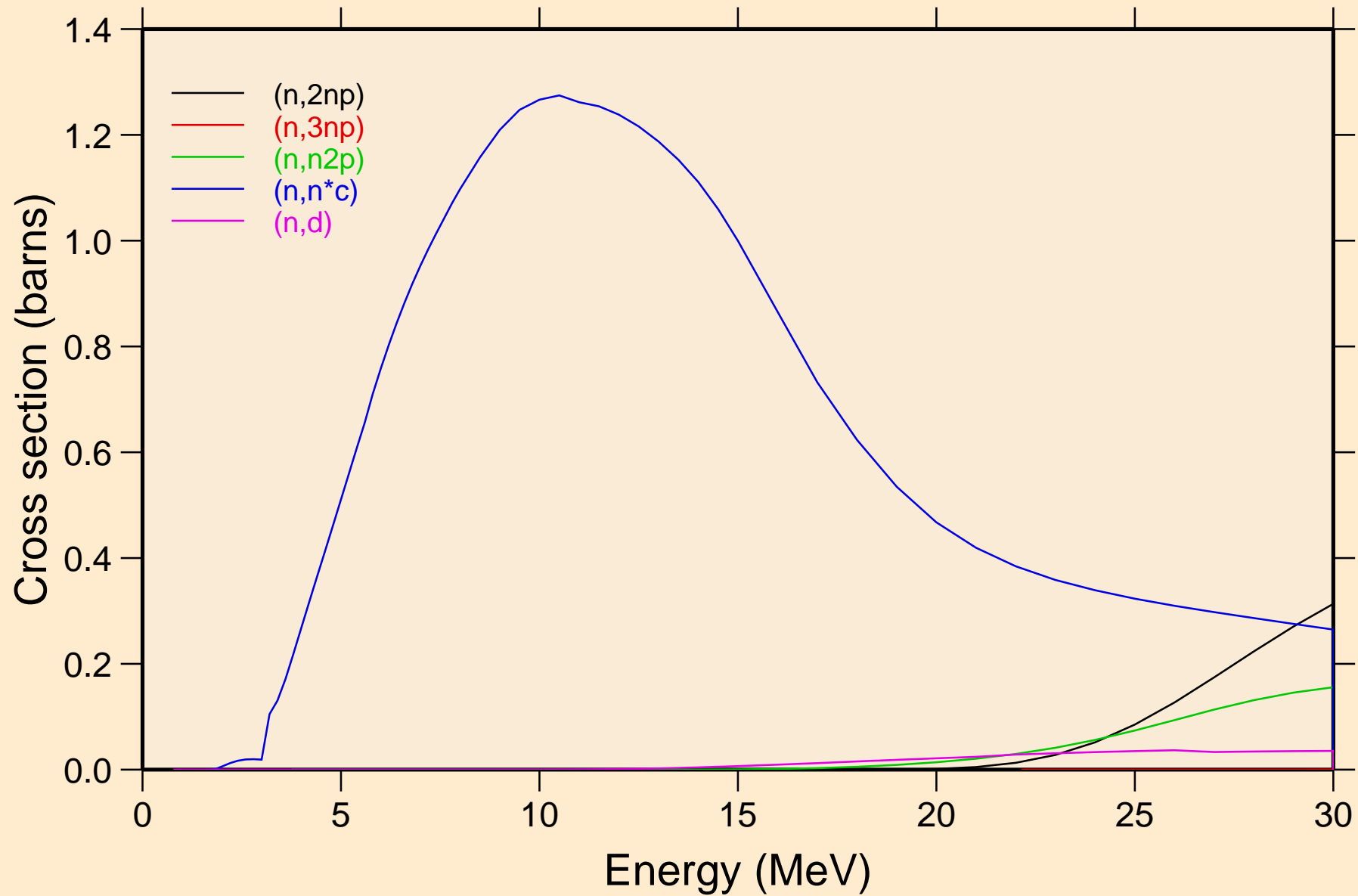


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



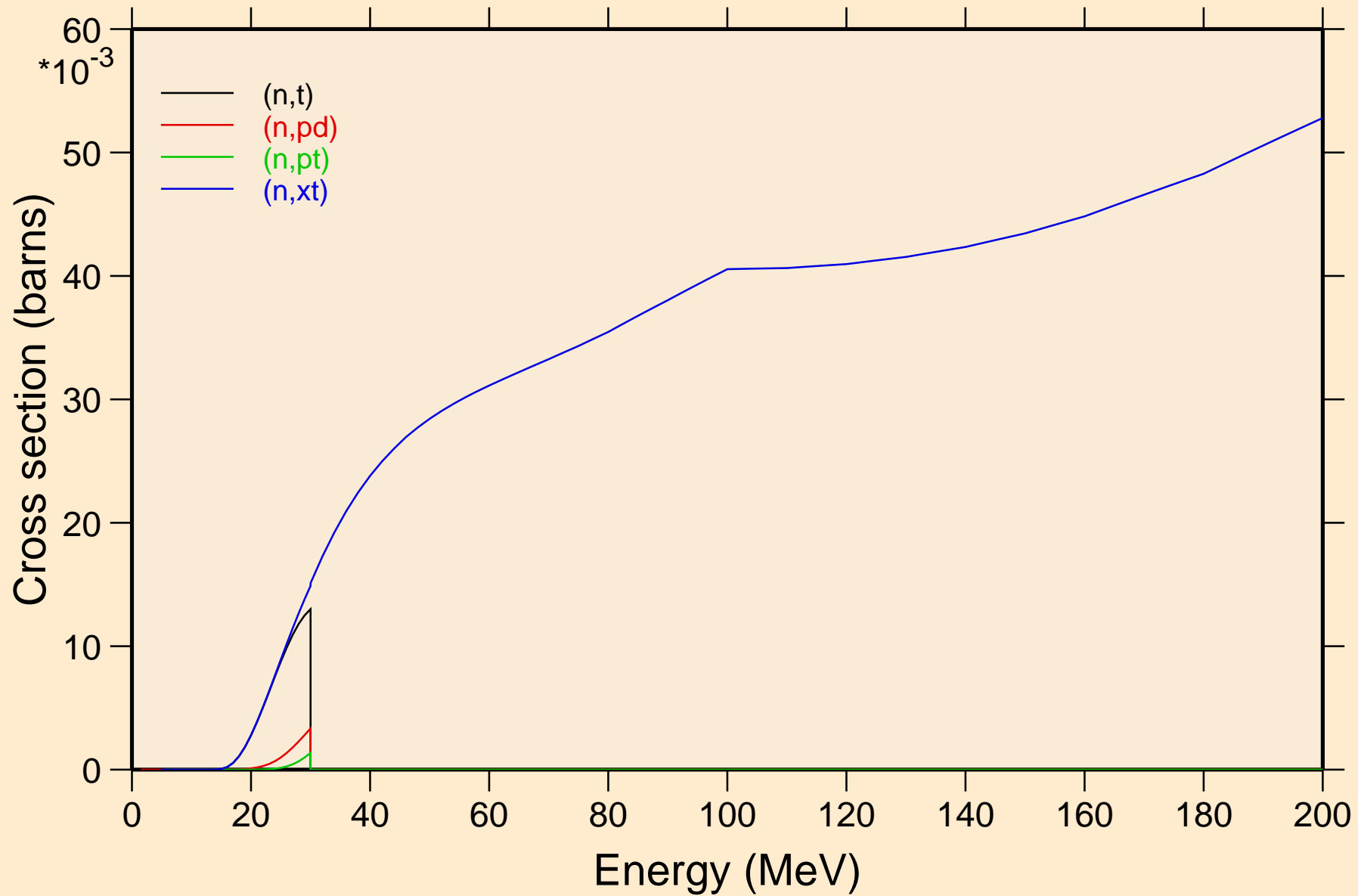
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## Threshold reactions

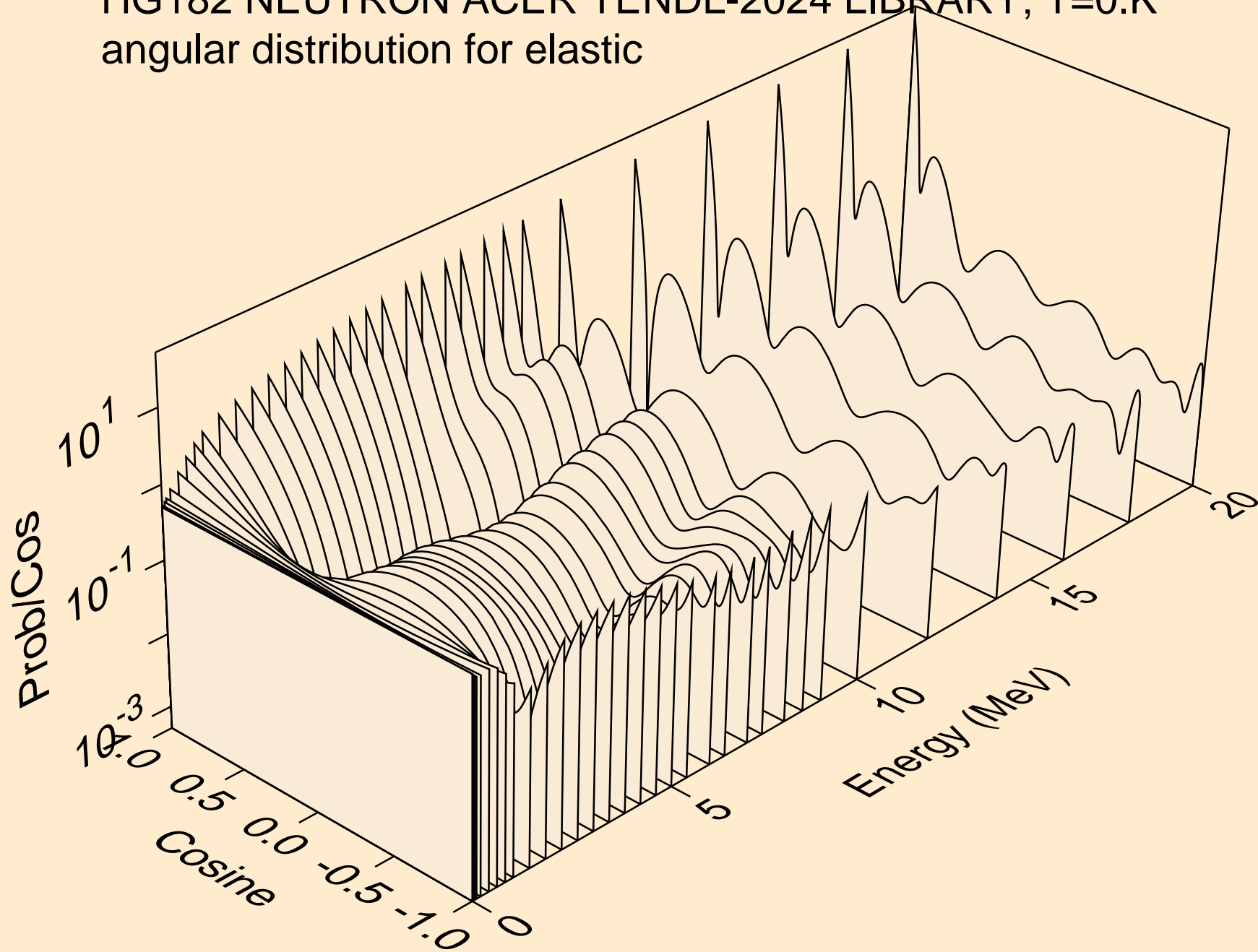


# HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

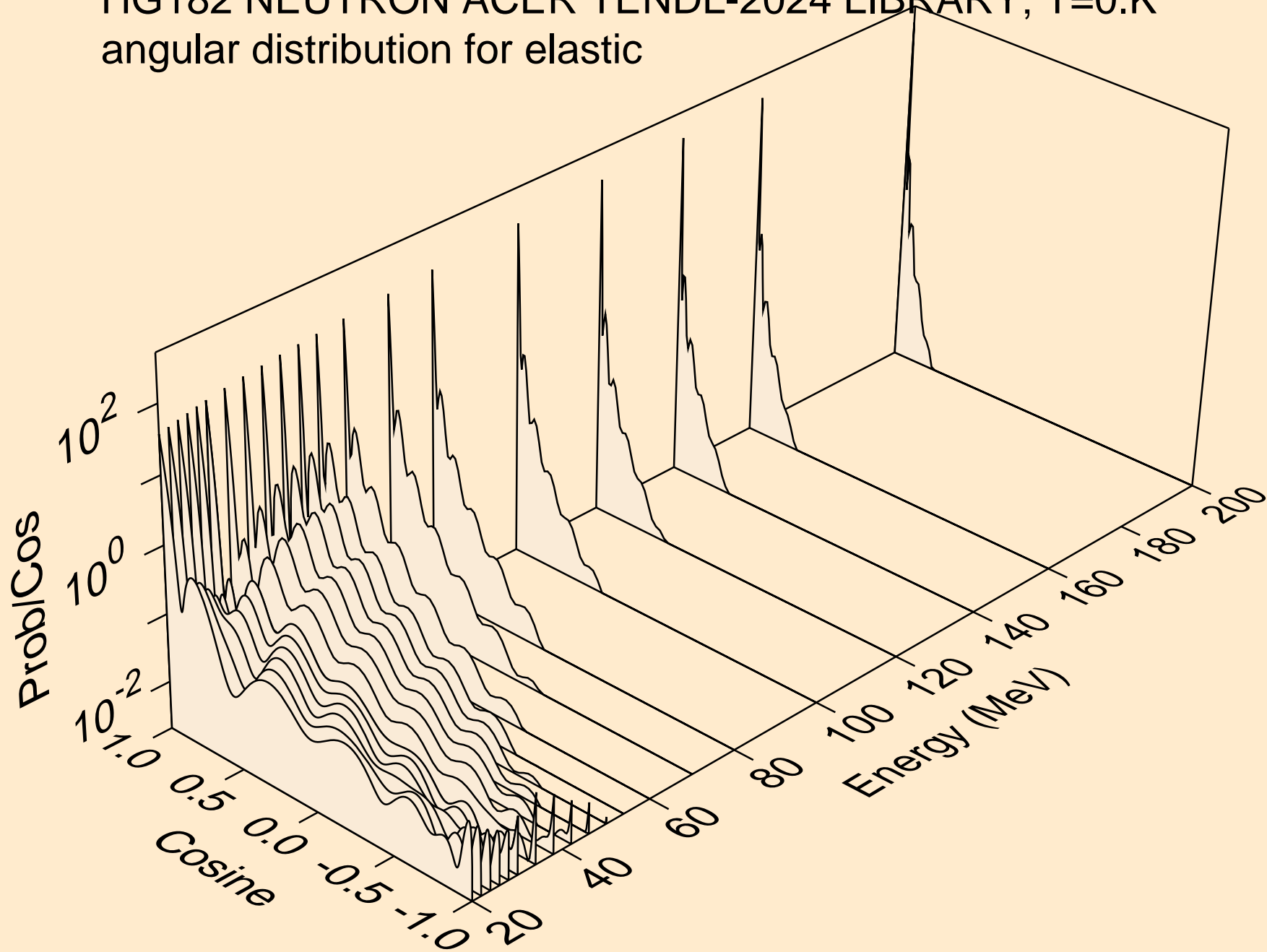
## Threshold reactions



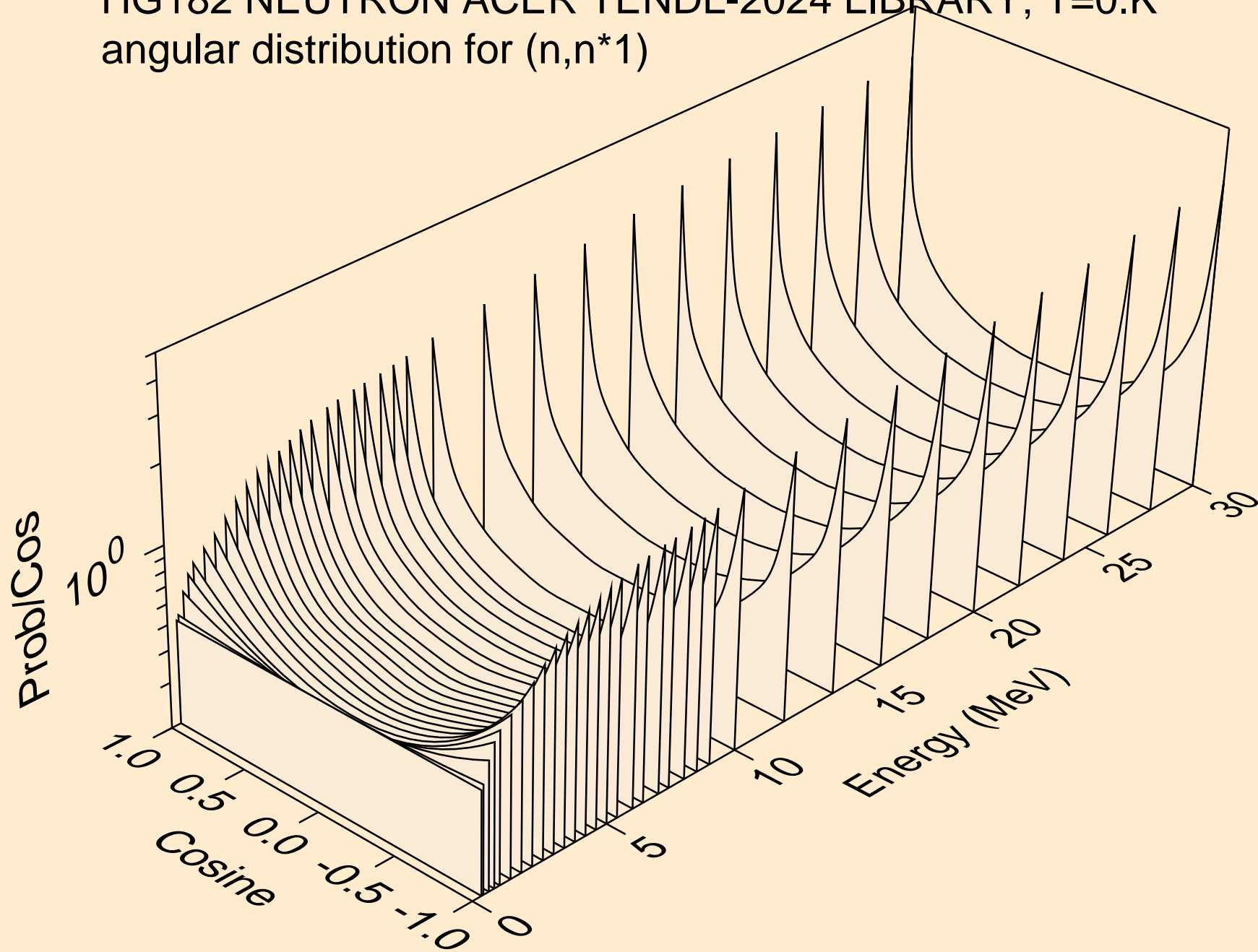
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

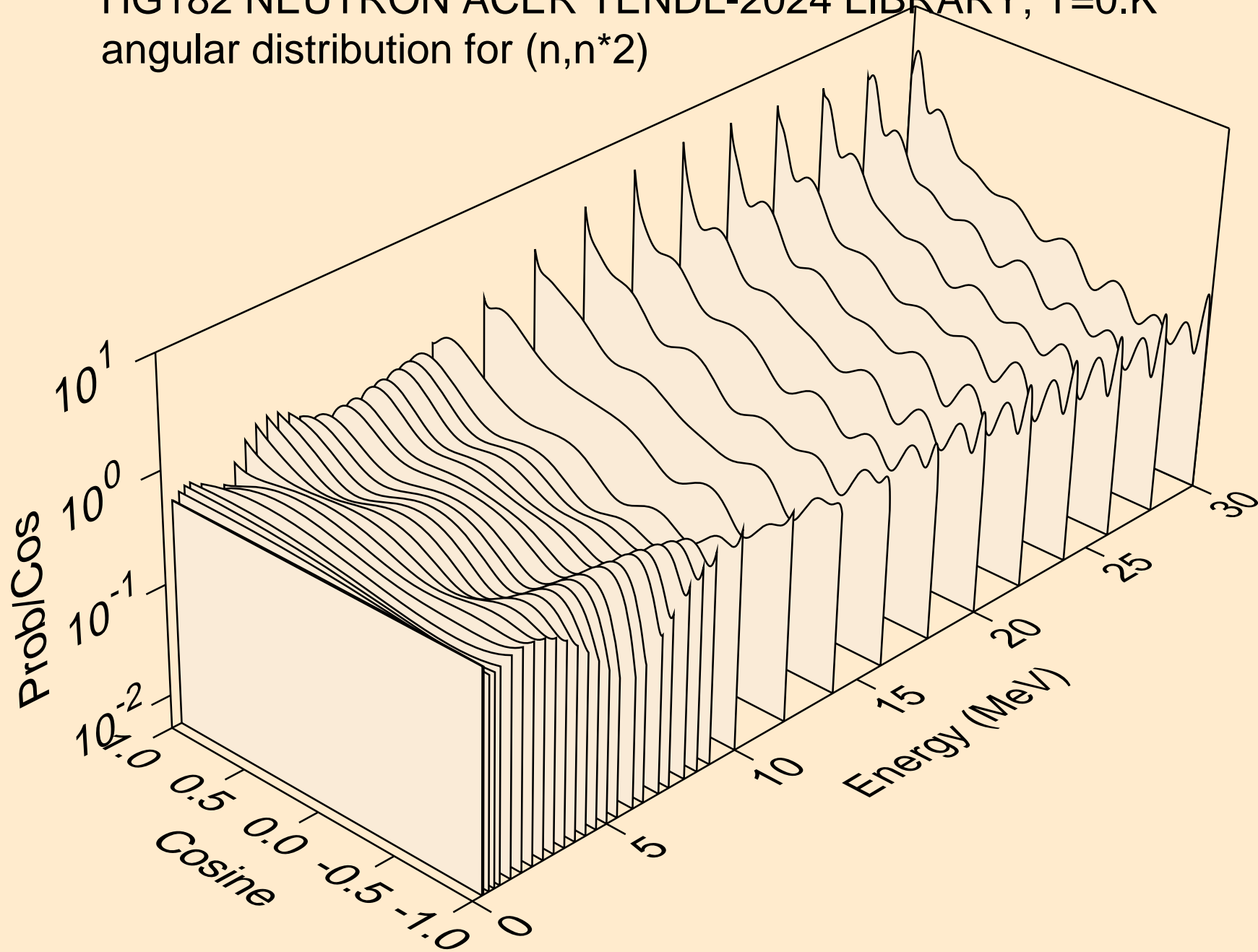


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

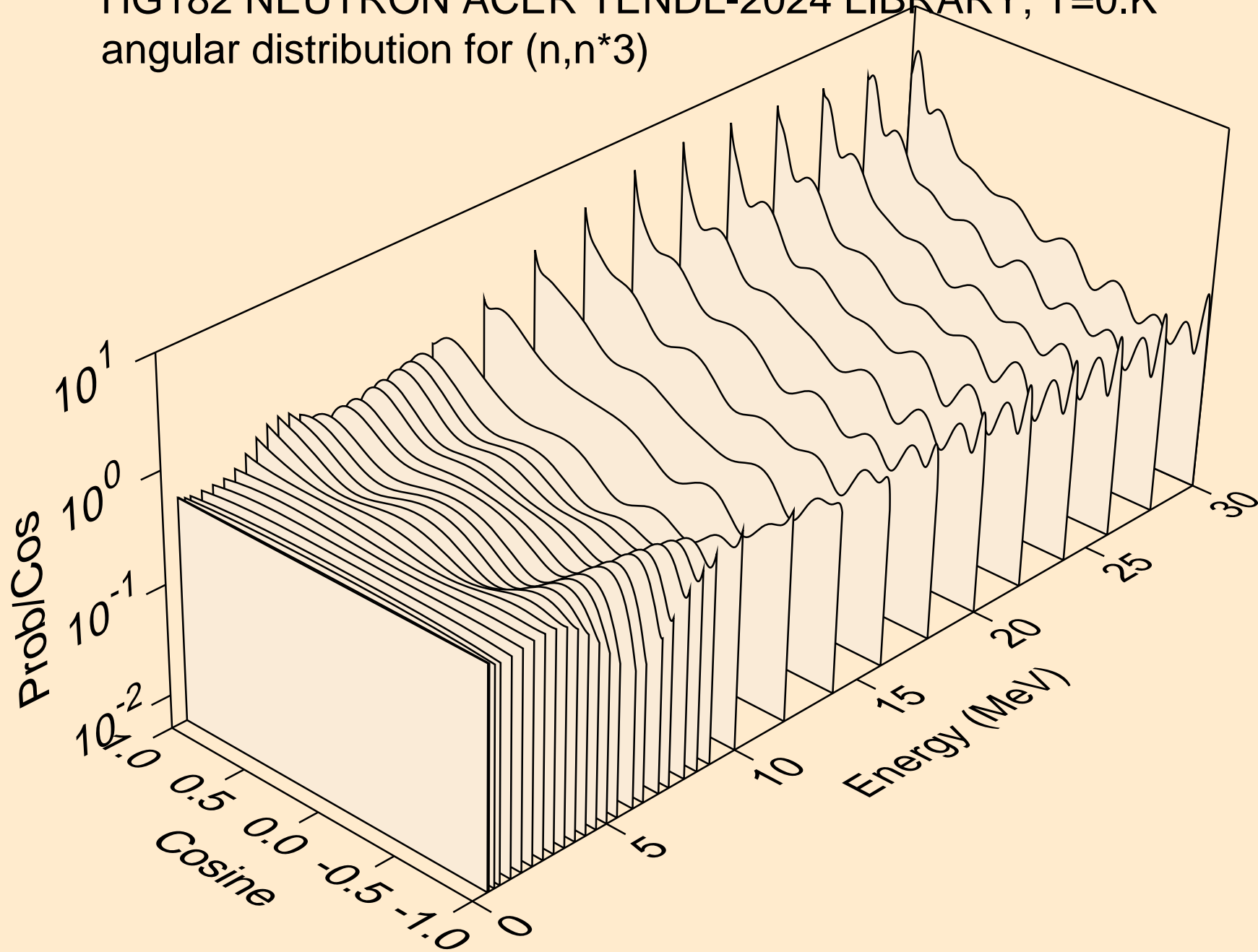




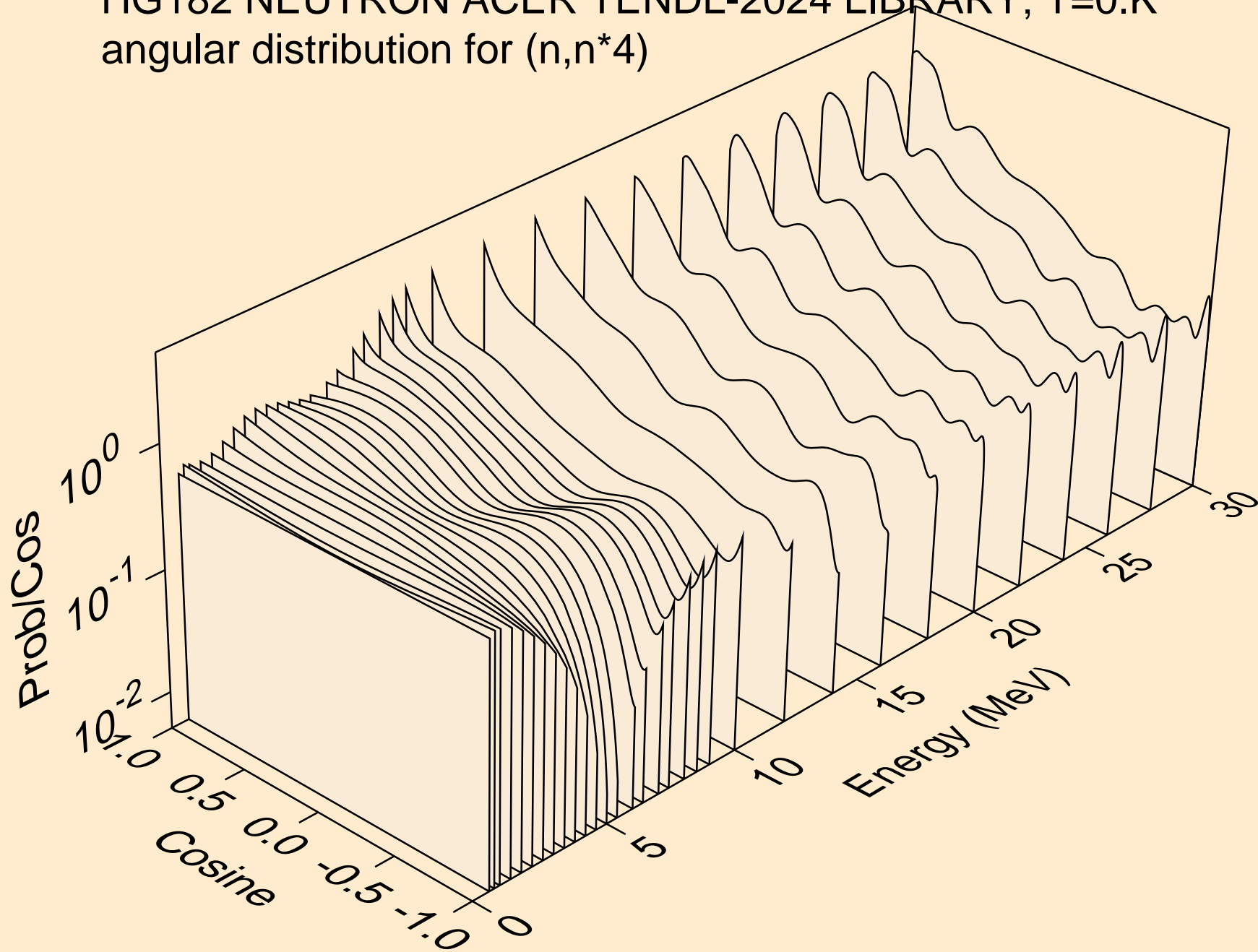
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



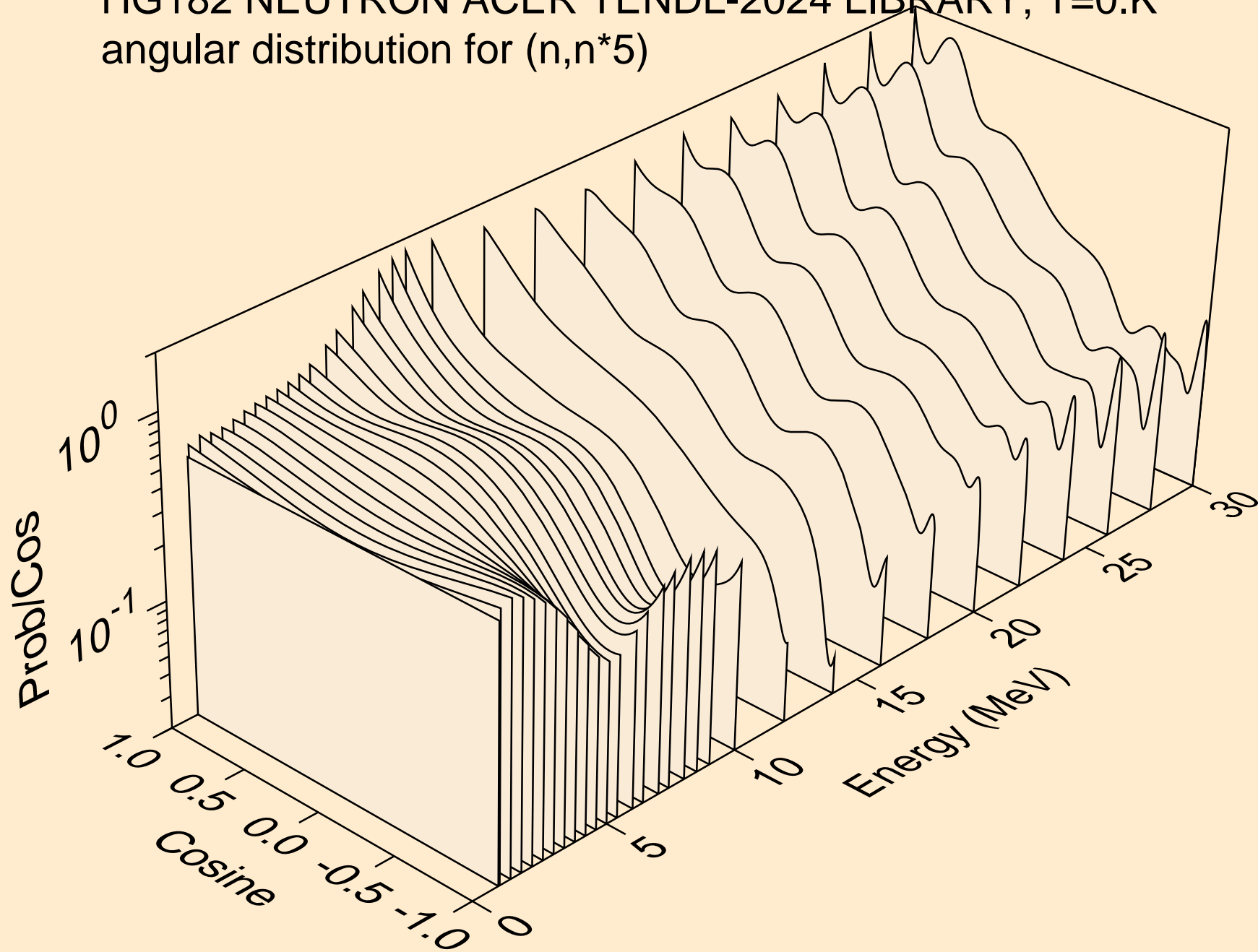
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



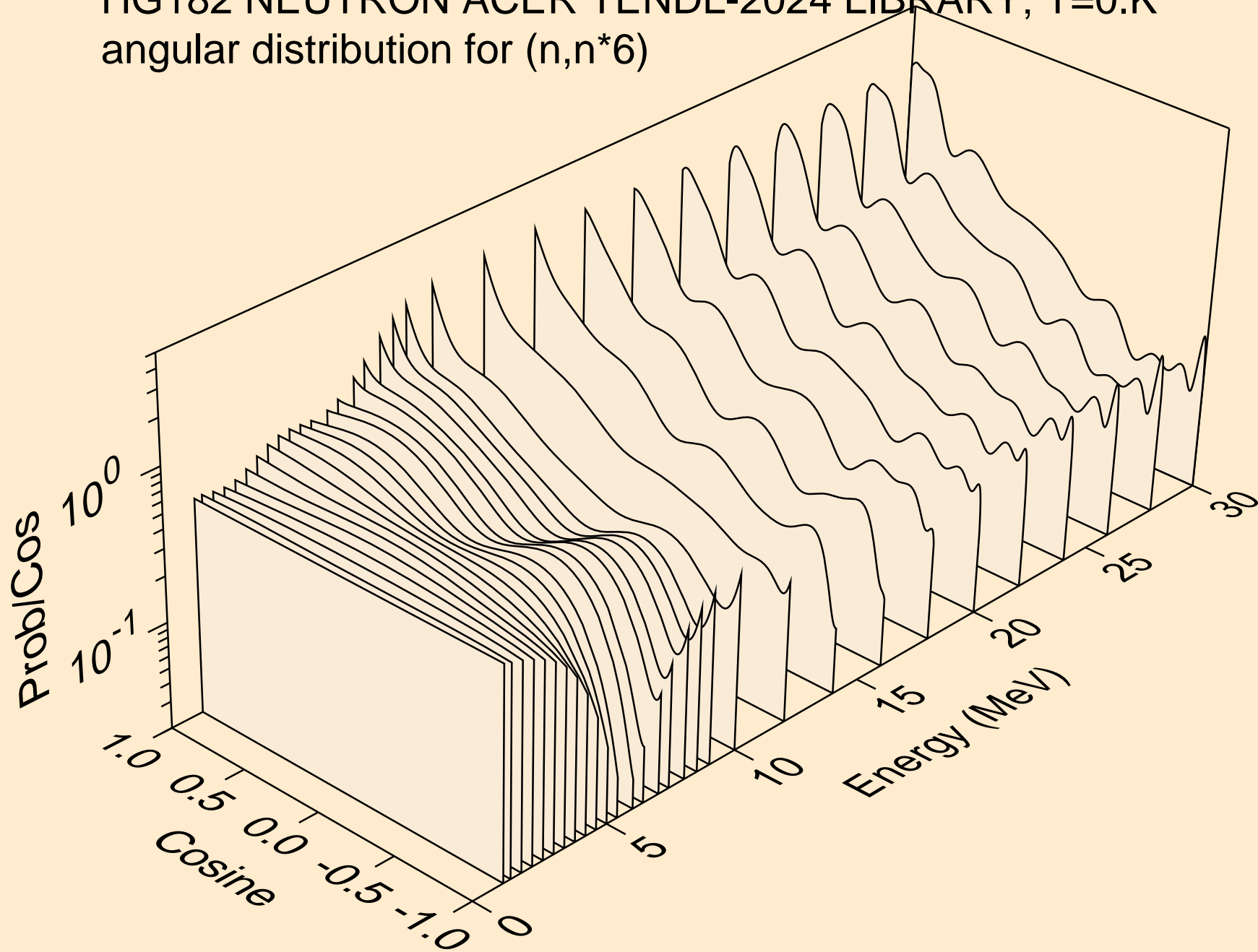
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angular distribution for (n,n\*4)



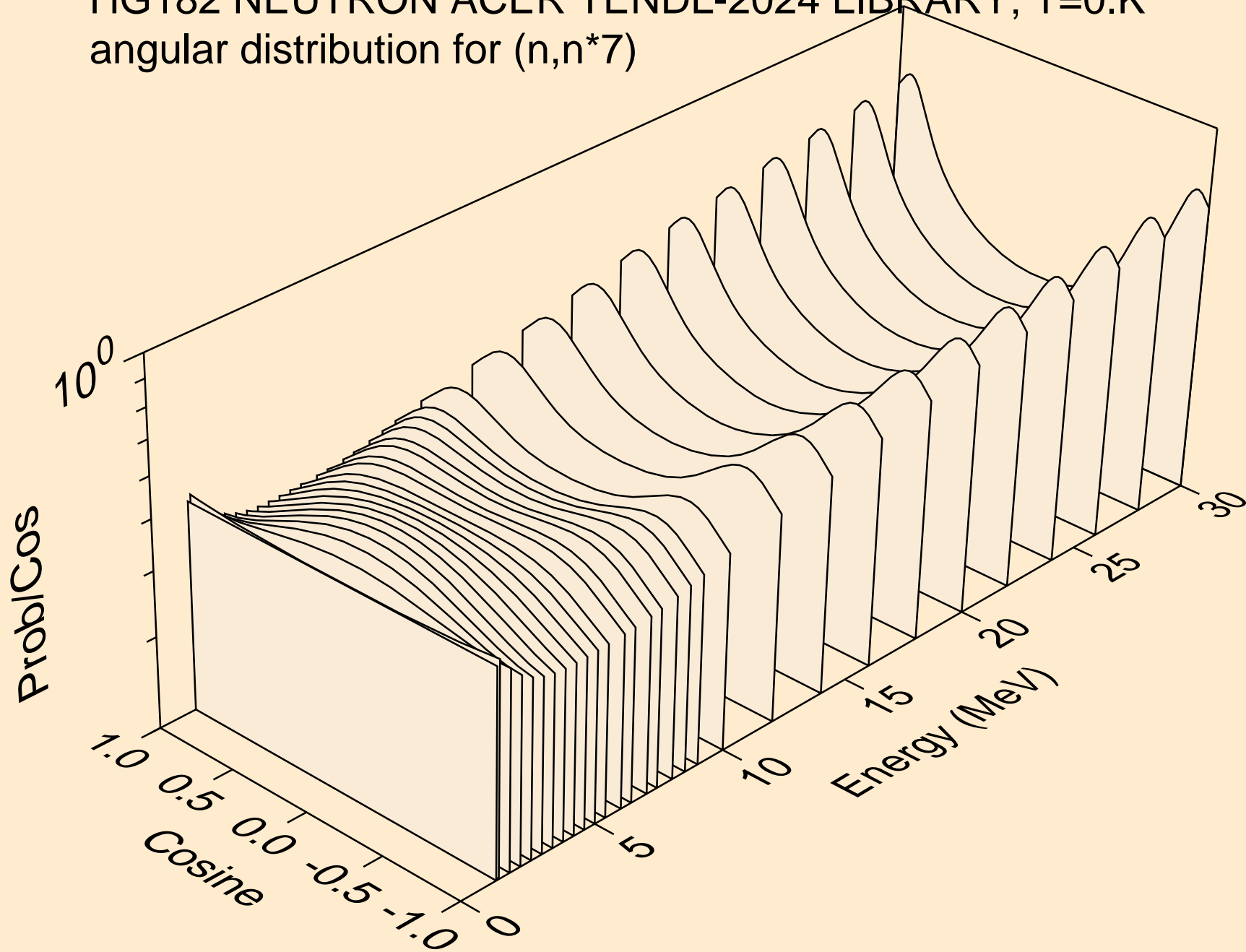
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angular distribution for (n,n\*5)



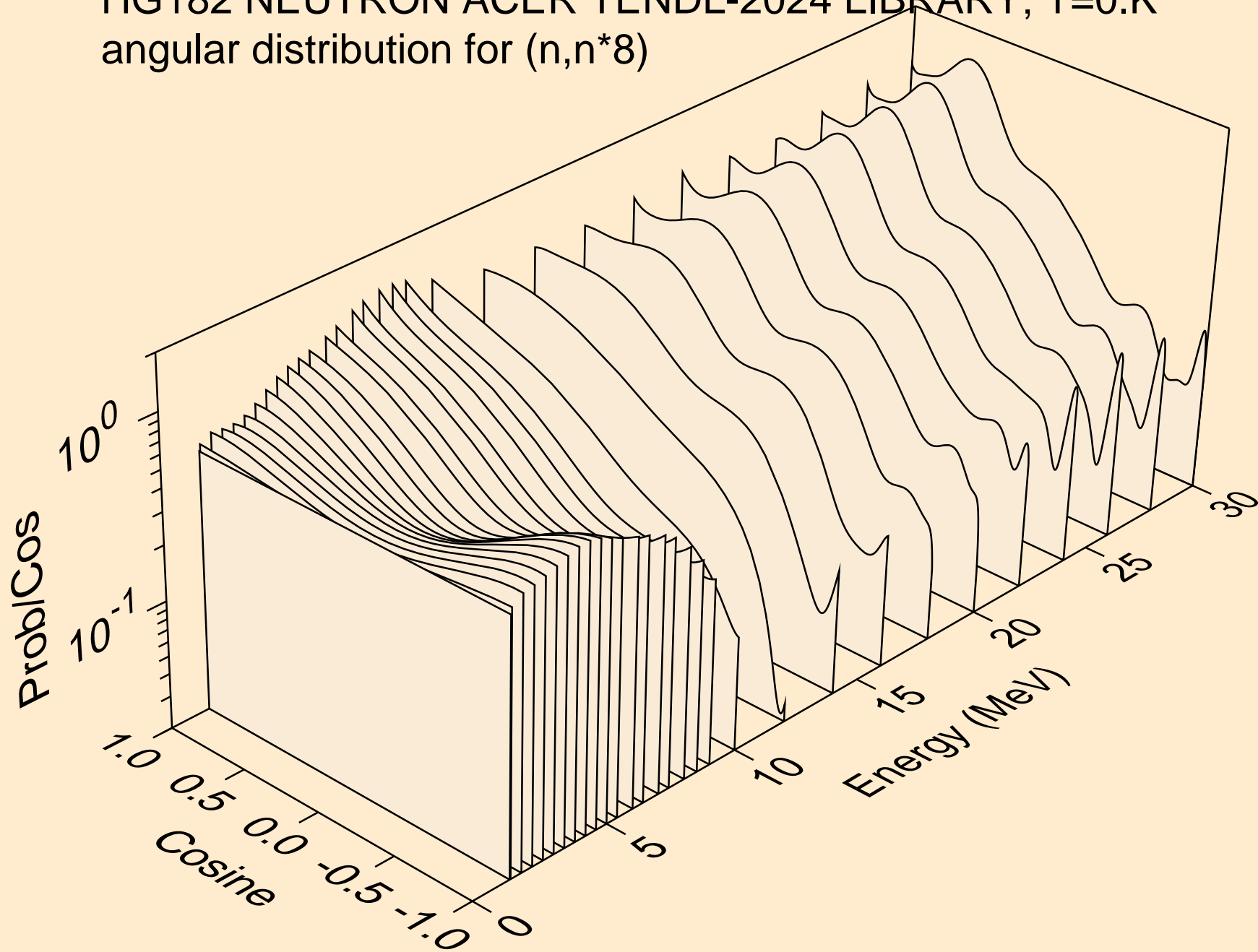
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angular distribution for (n,n\*6)



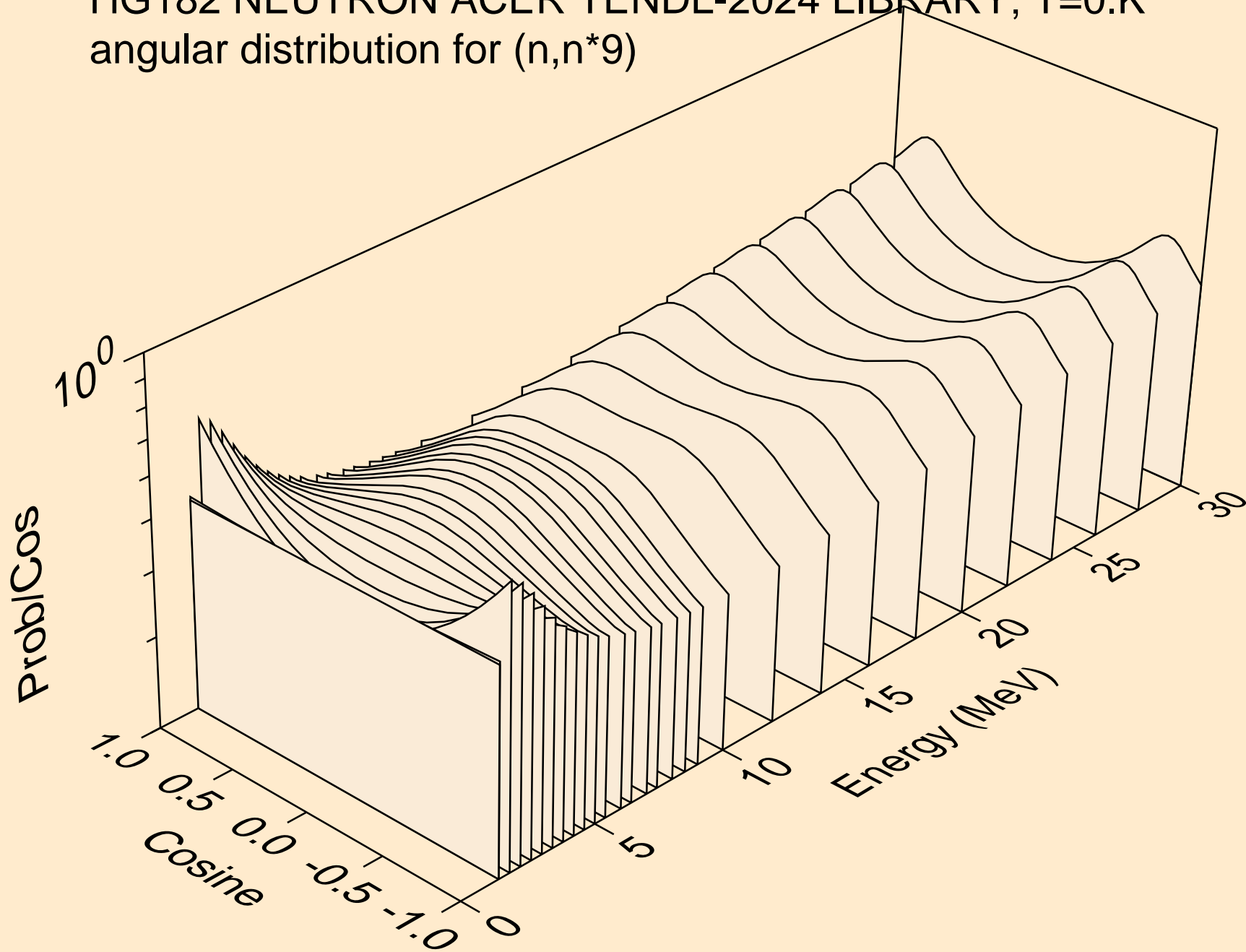
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

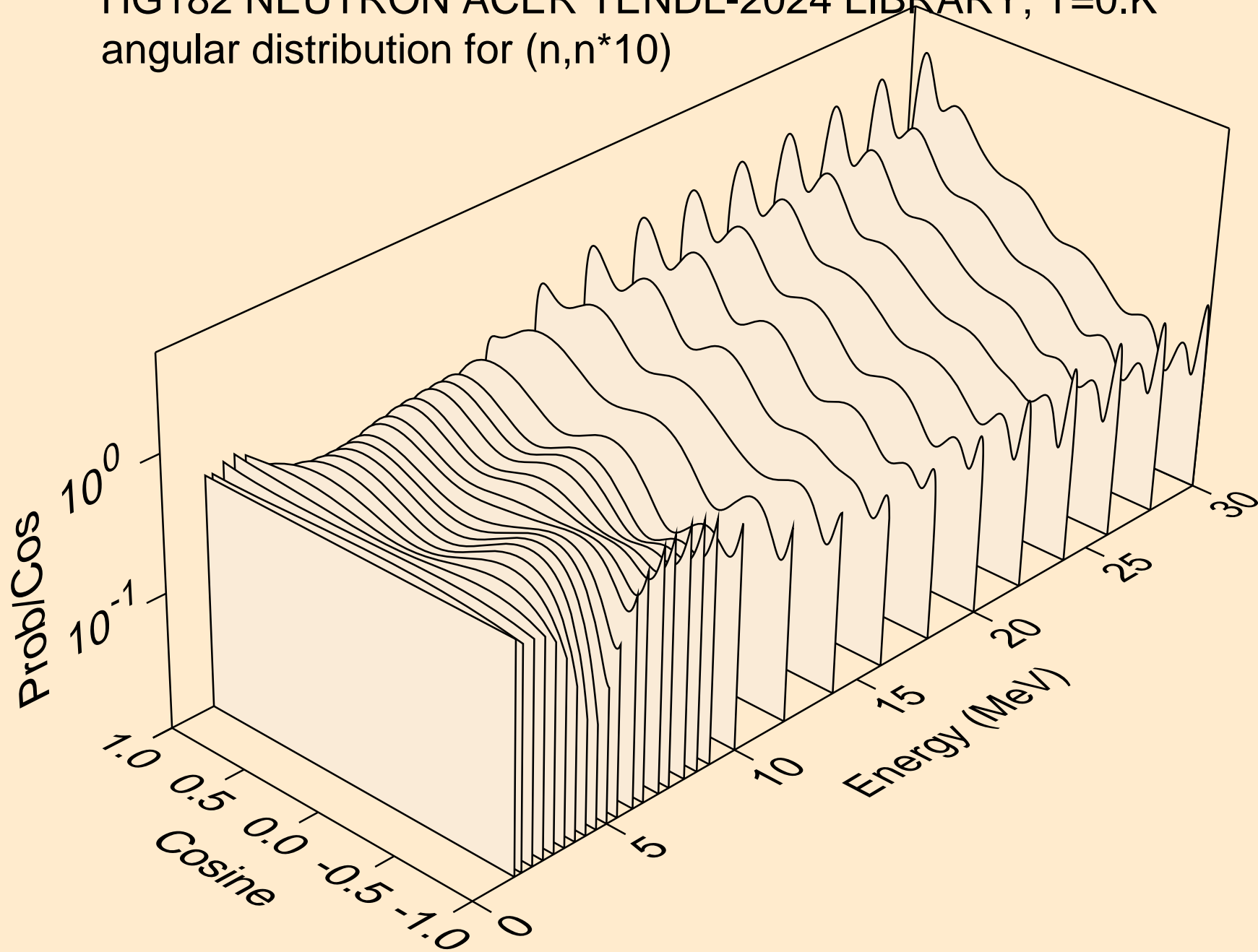


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

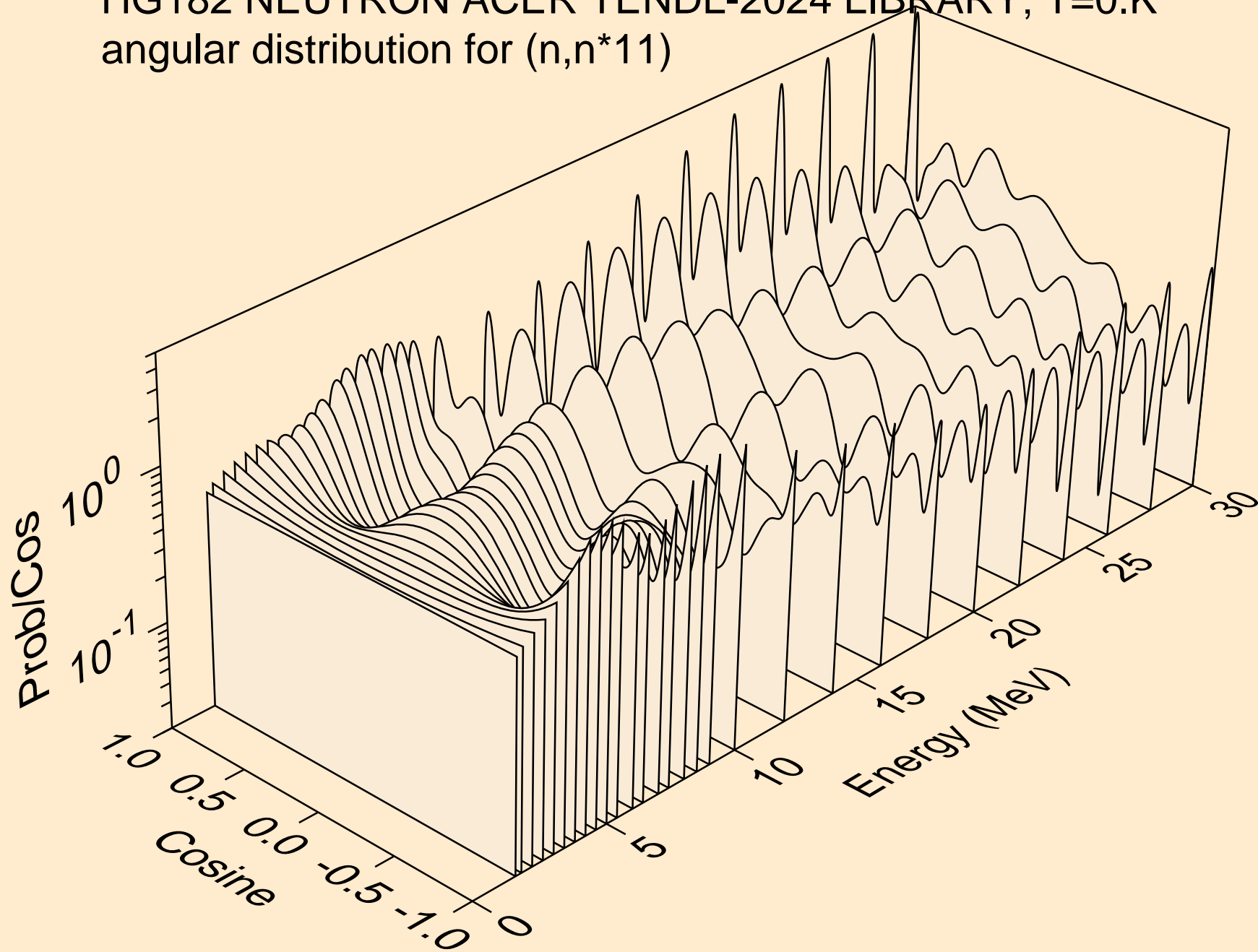




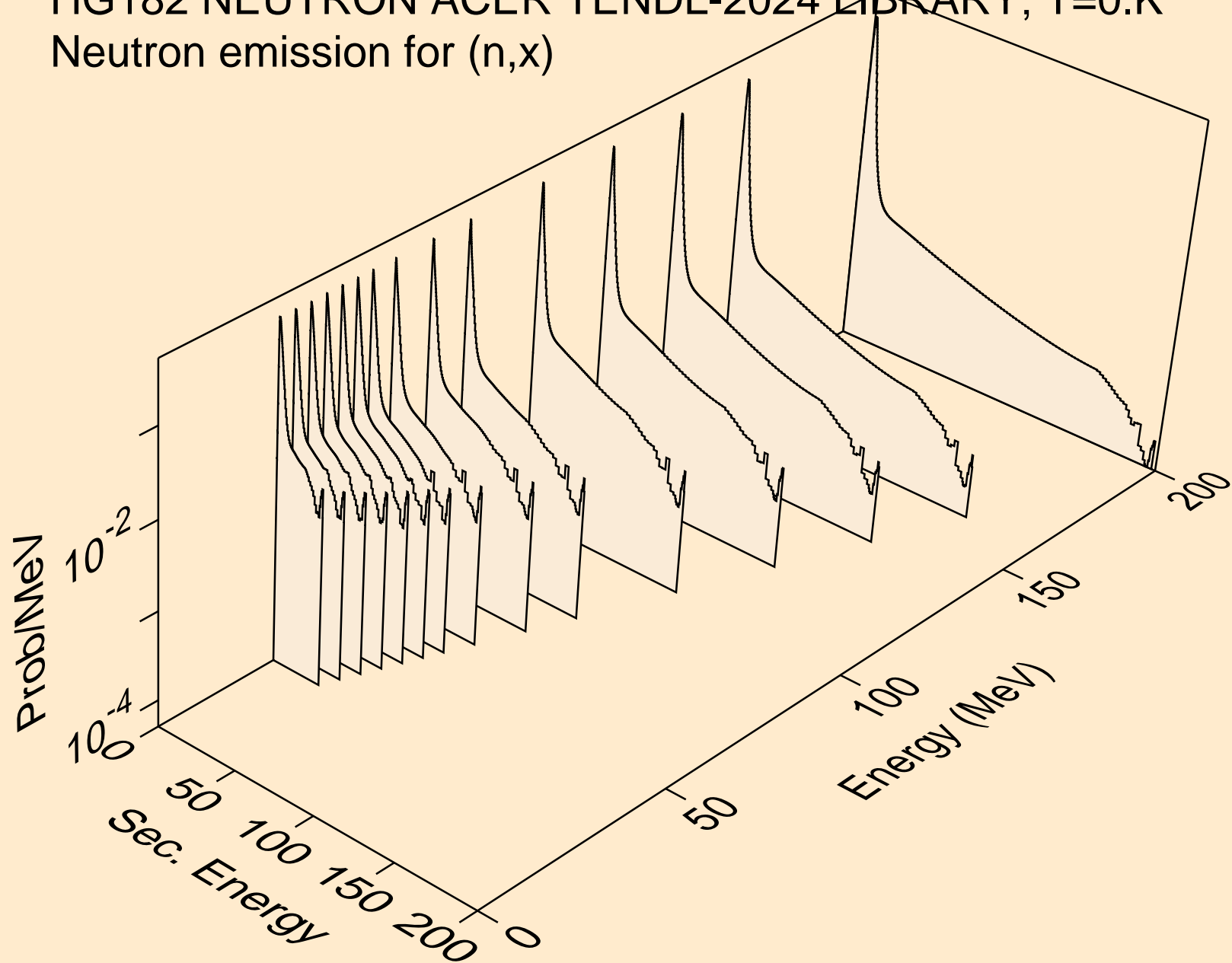
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angular distribution for (n,n\*10)



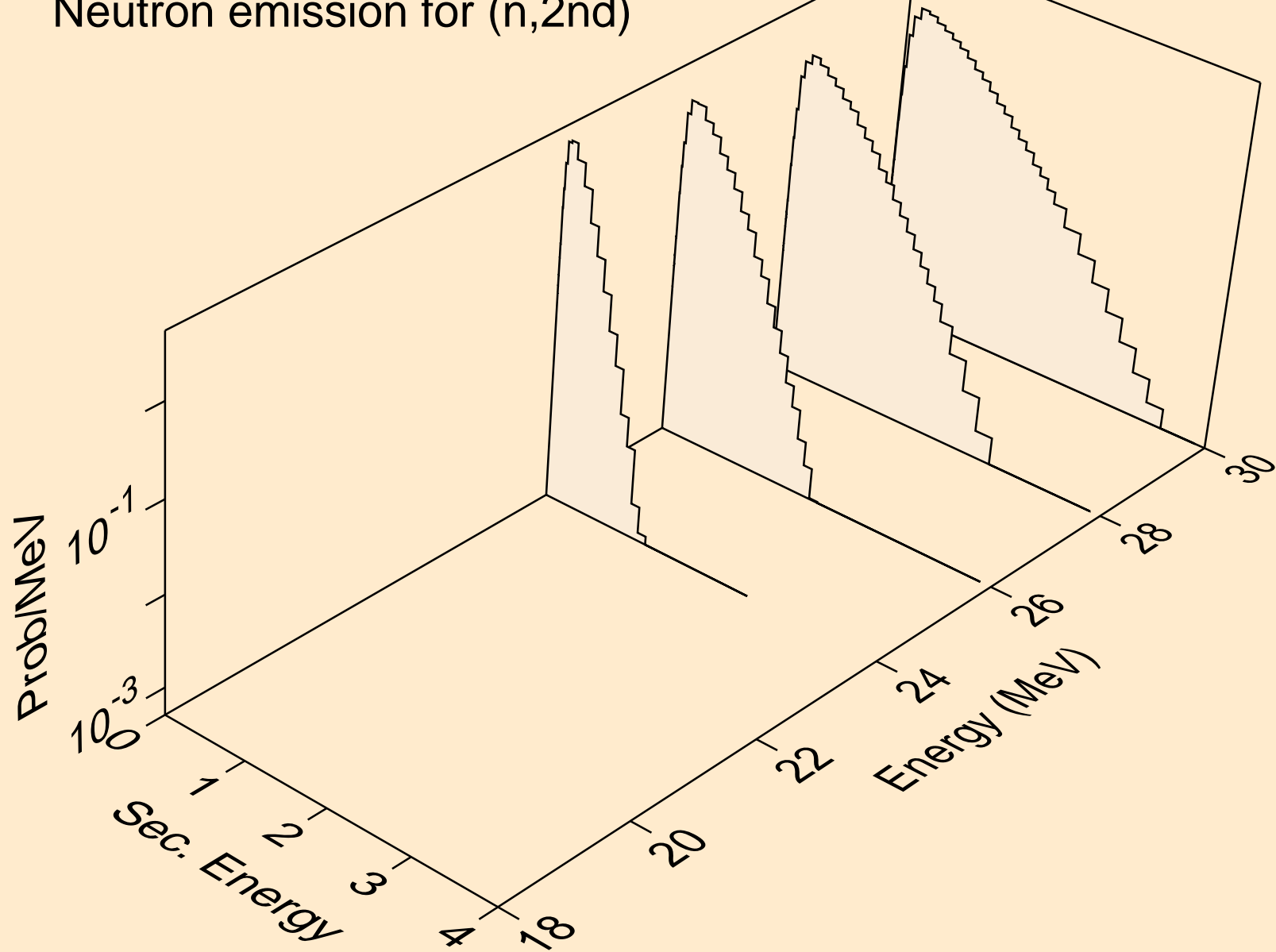
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



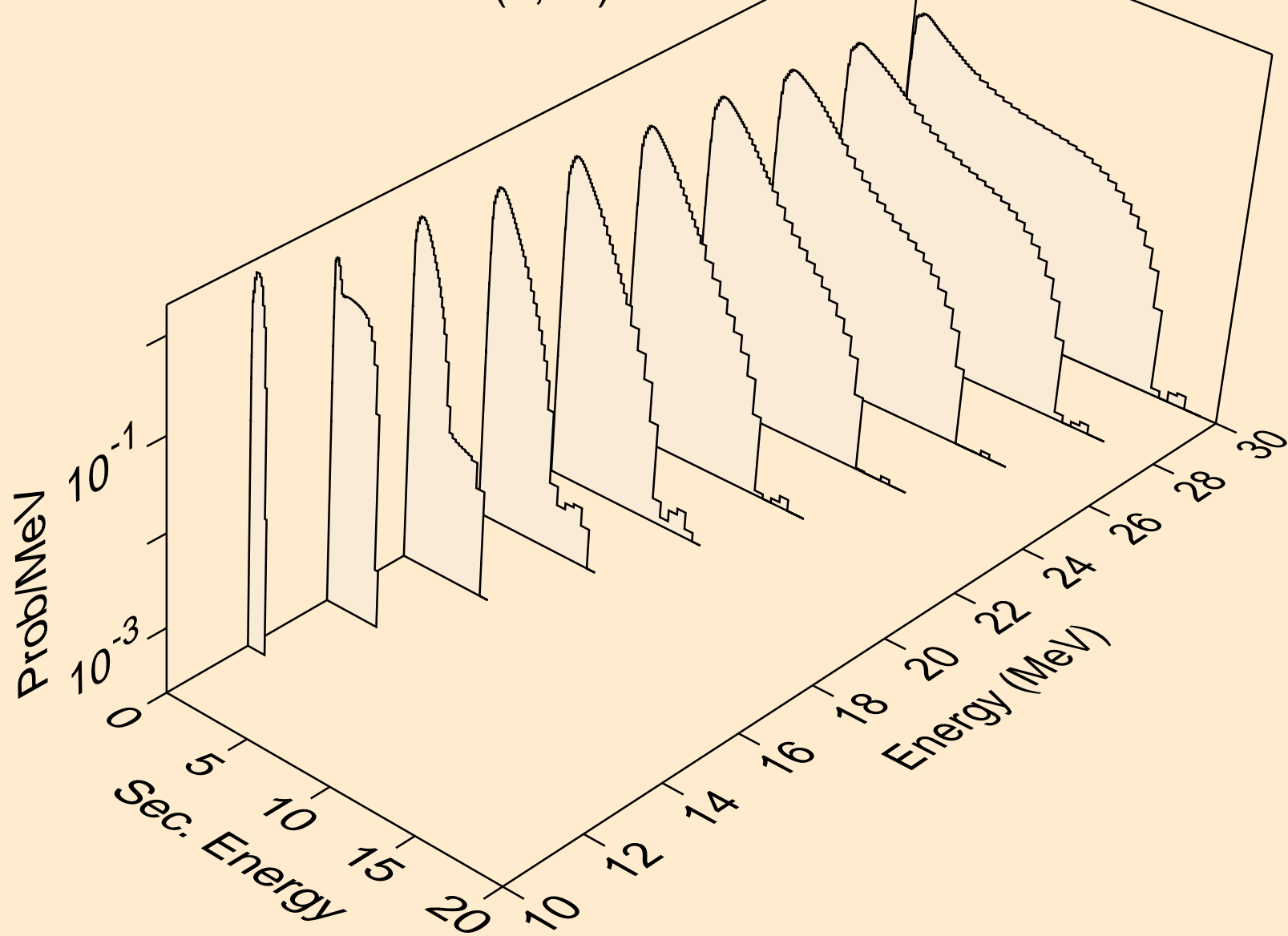
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



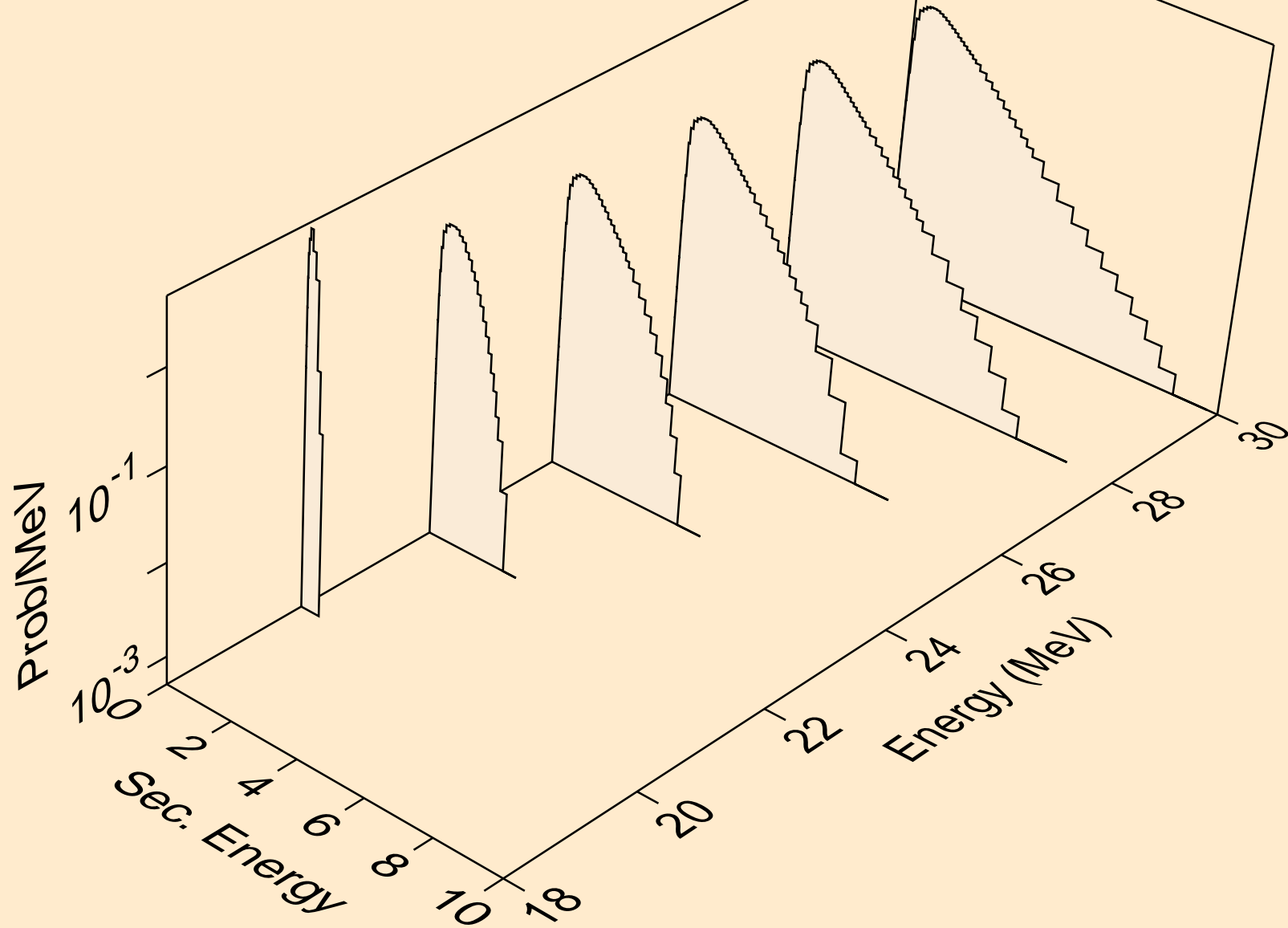
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



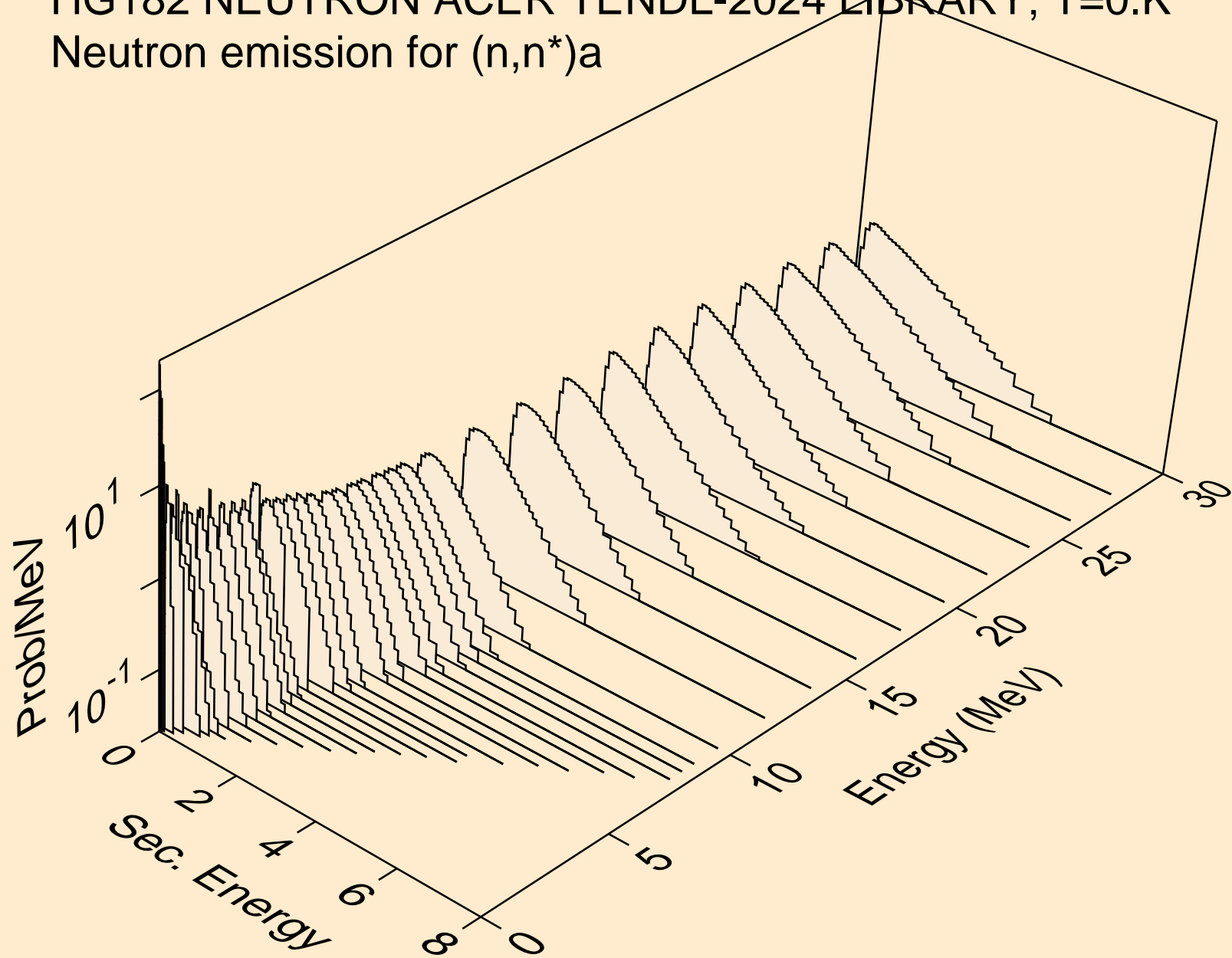
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



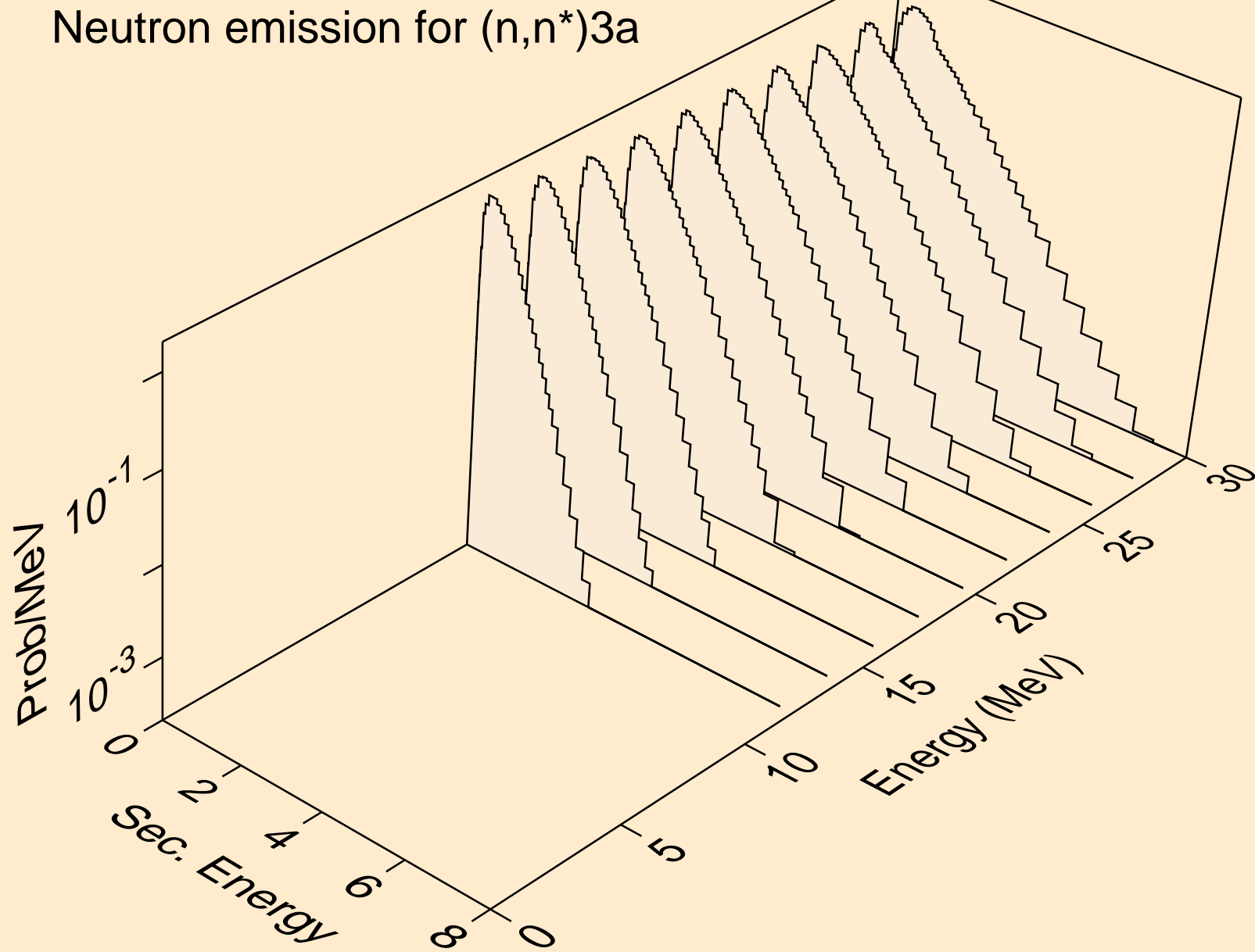
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

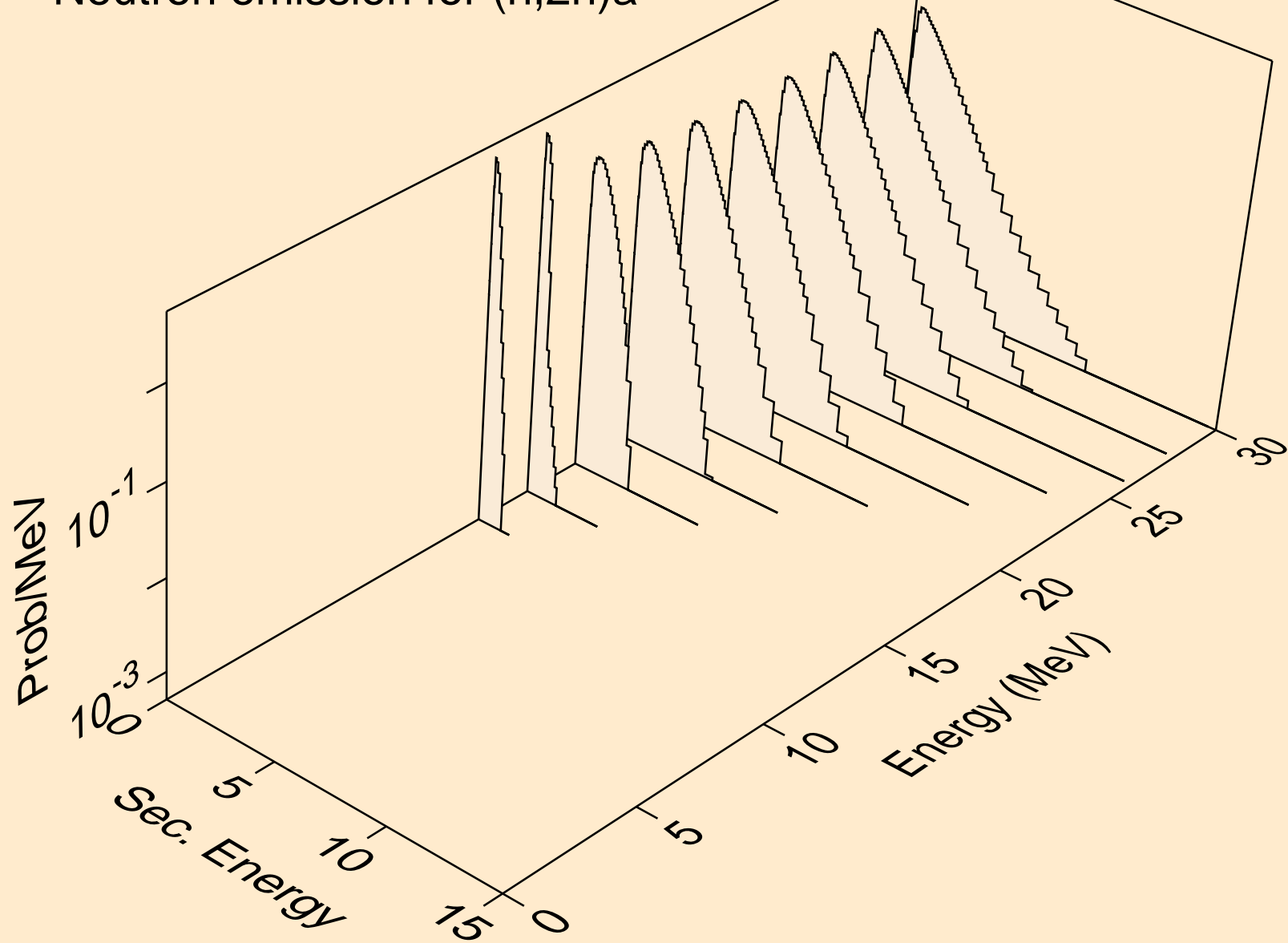


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a

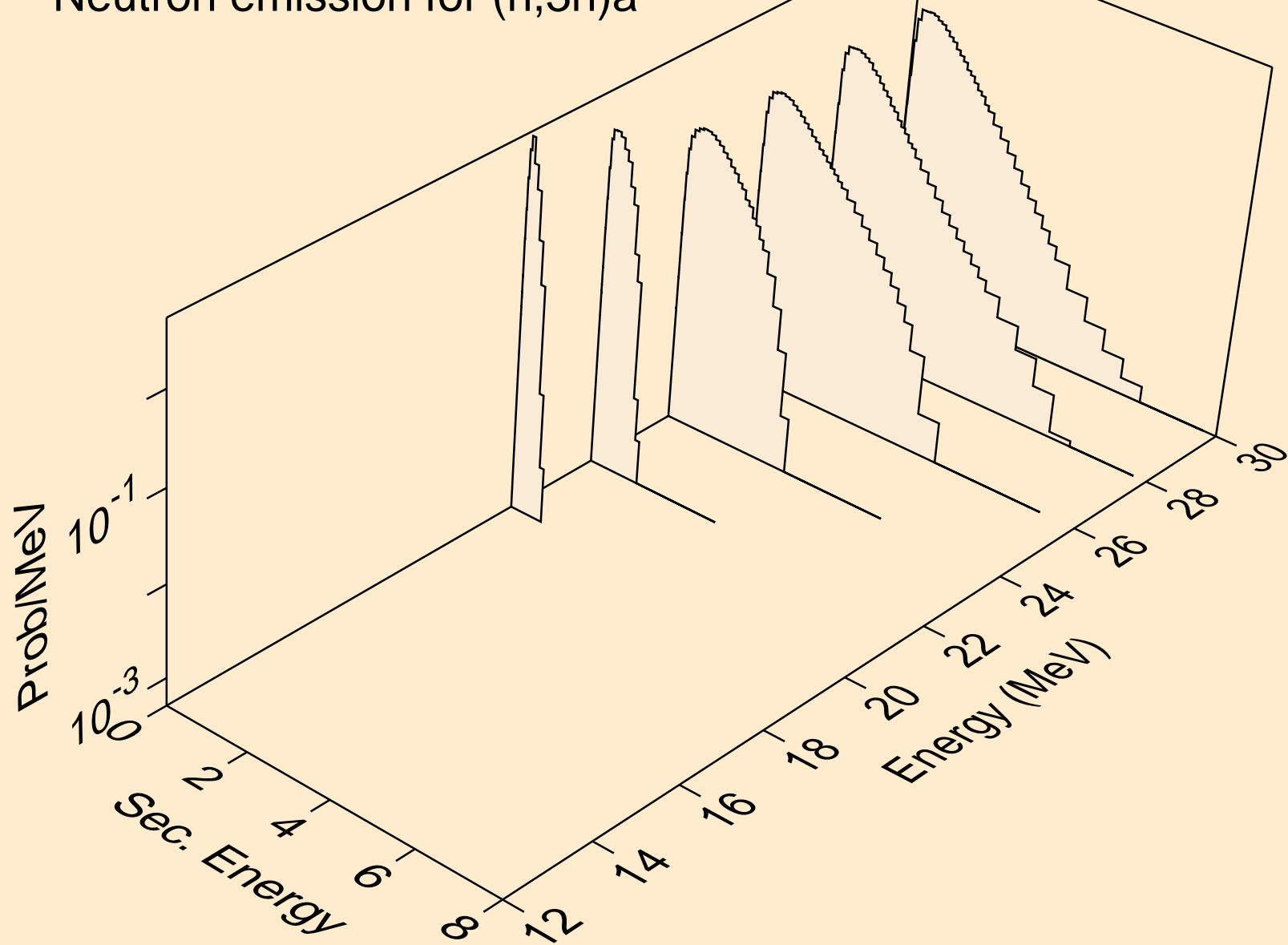




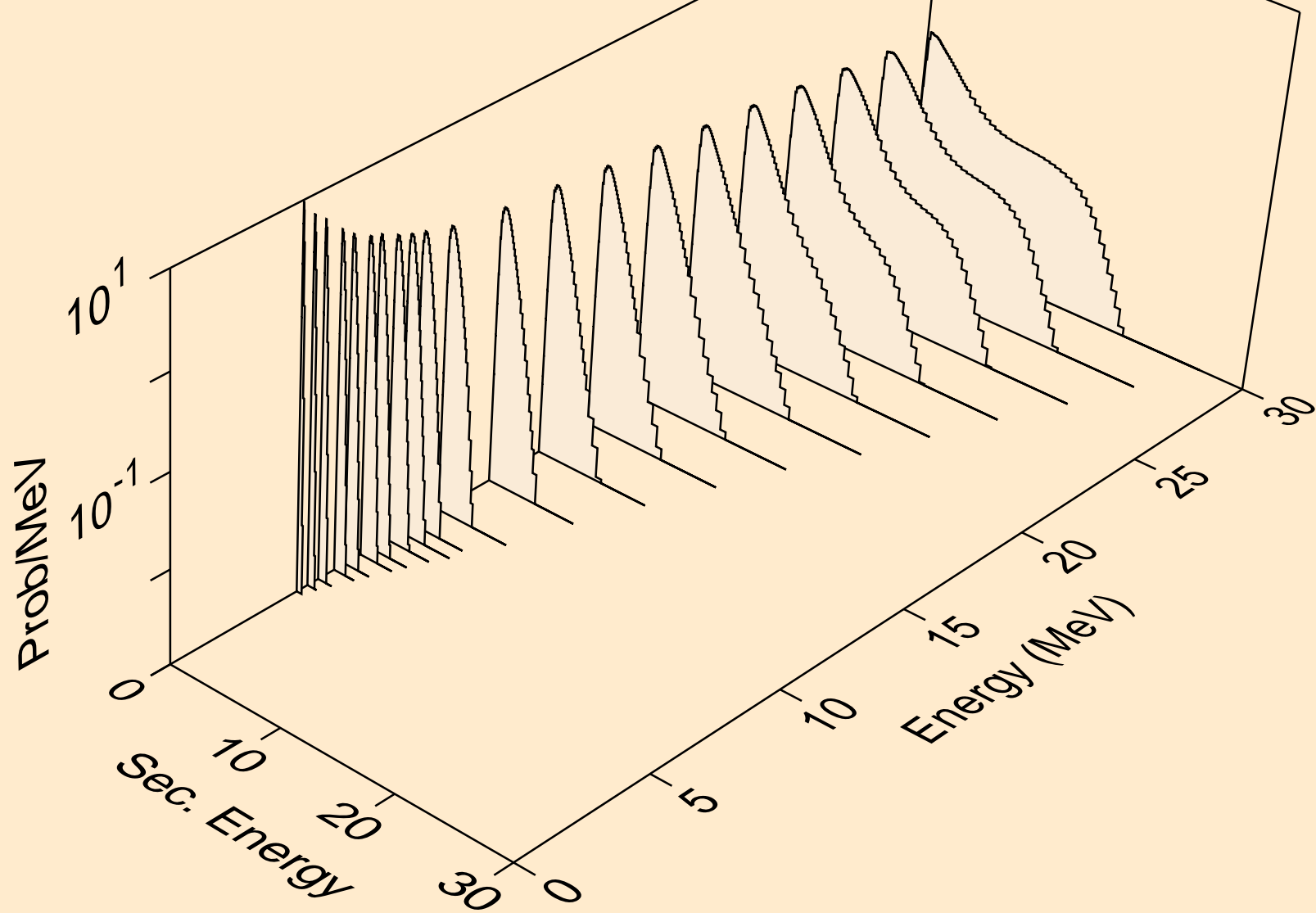
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Neutron emission for (n,2n)a



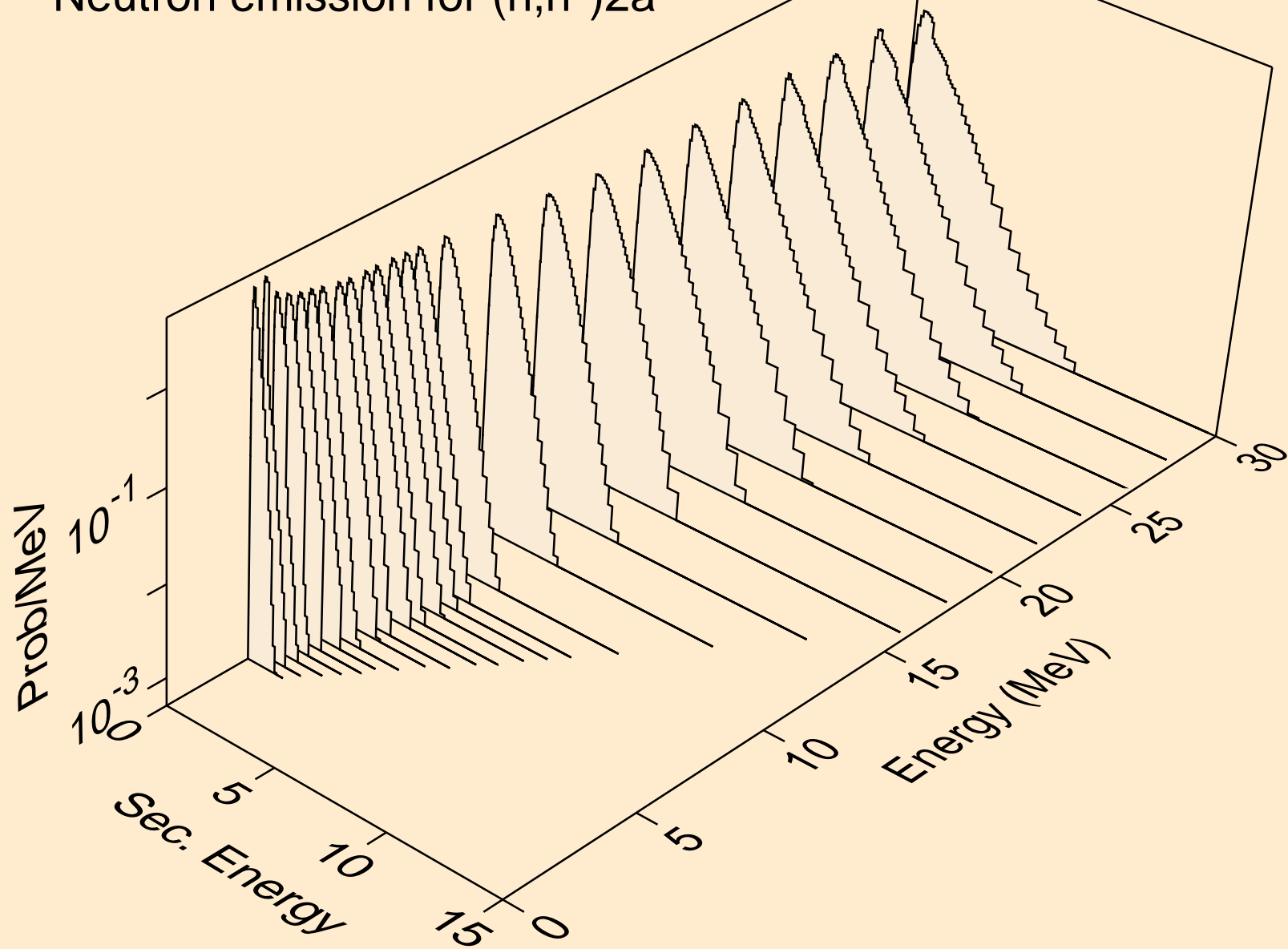
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Neutron emission for (n,3n)a



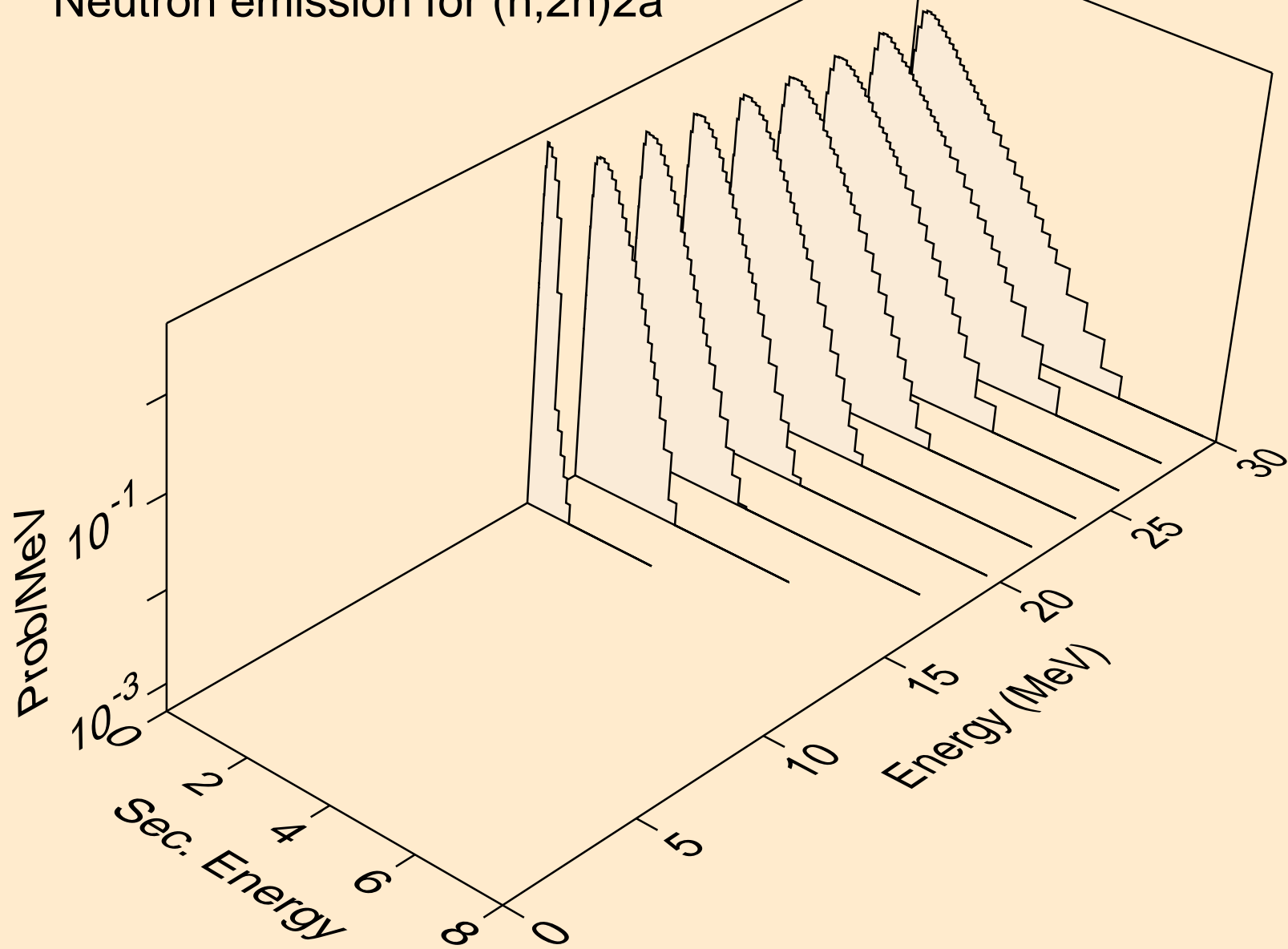
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Neutron emission for (n,n\*)p



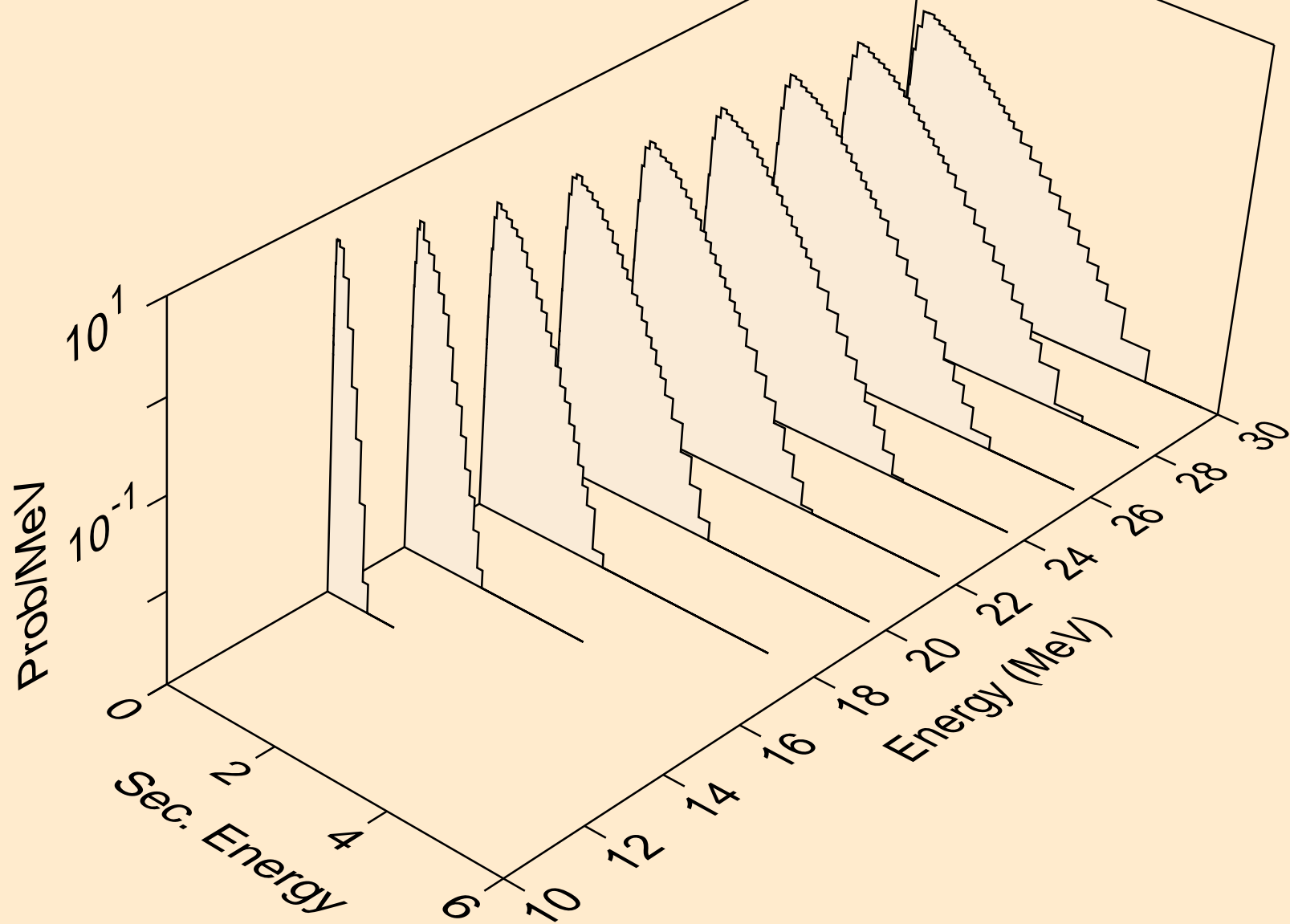
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Neutron emission for (n,n\*)2a



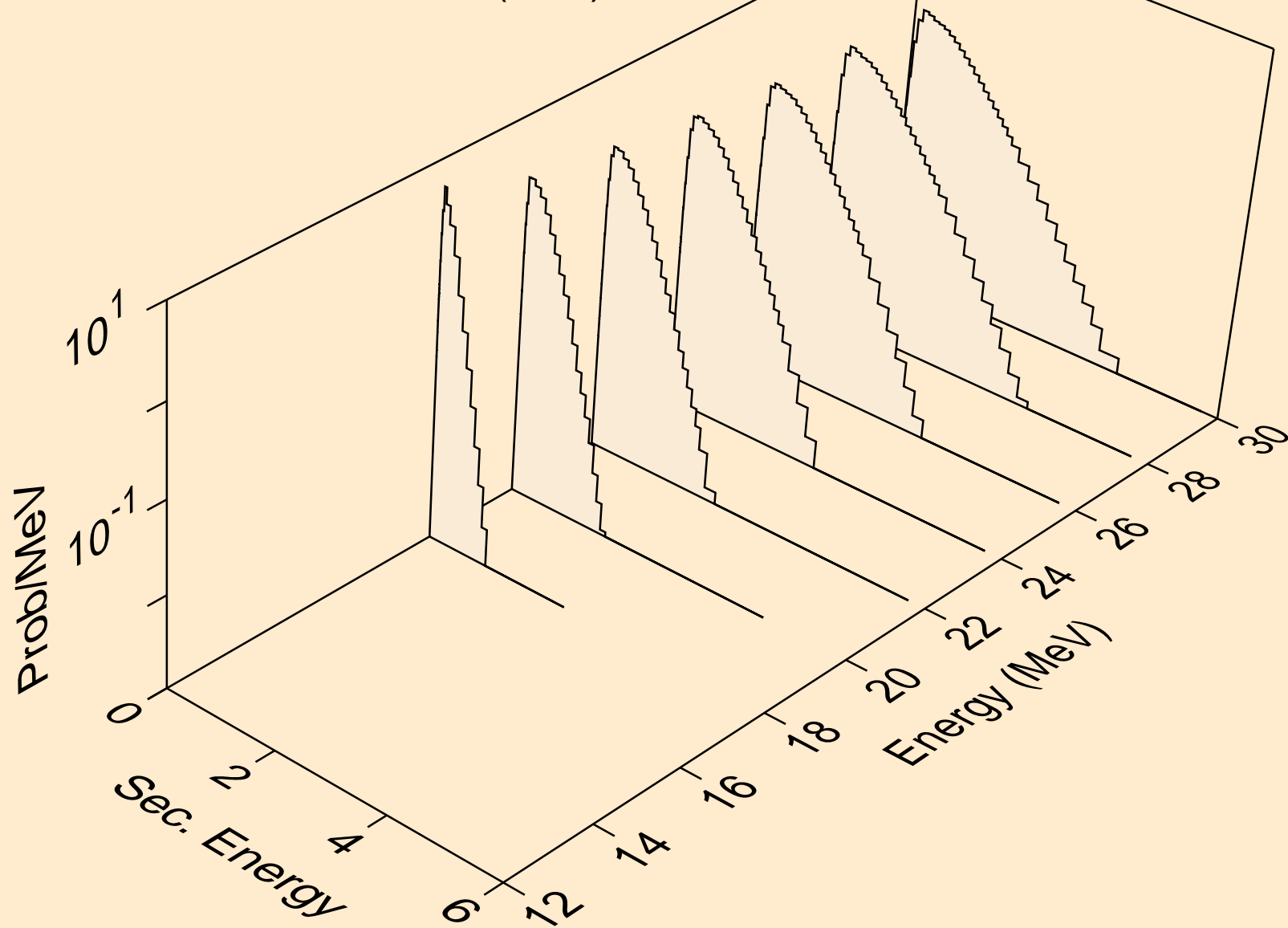
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Neutron emission for (n,2n)2a



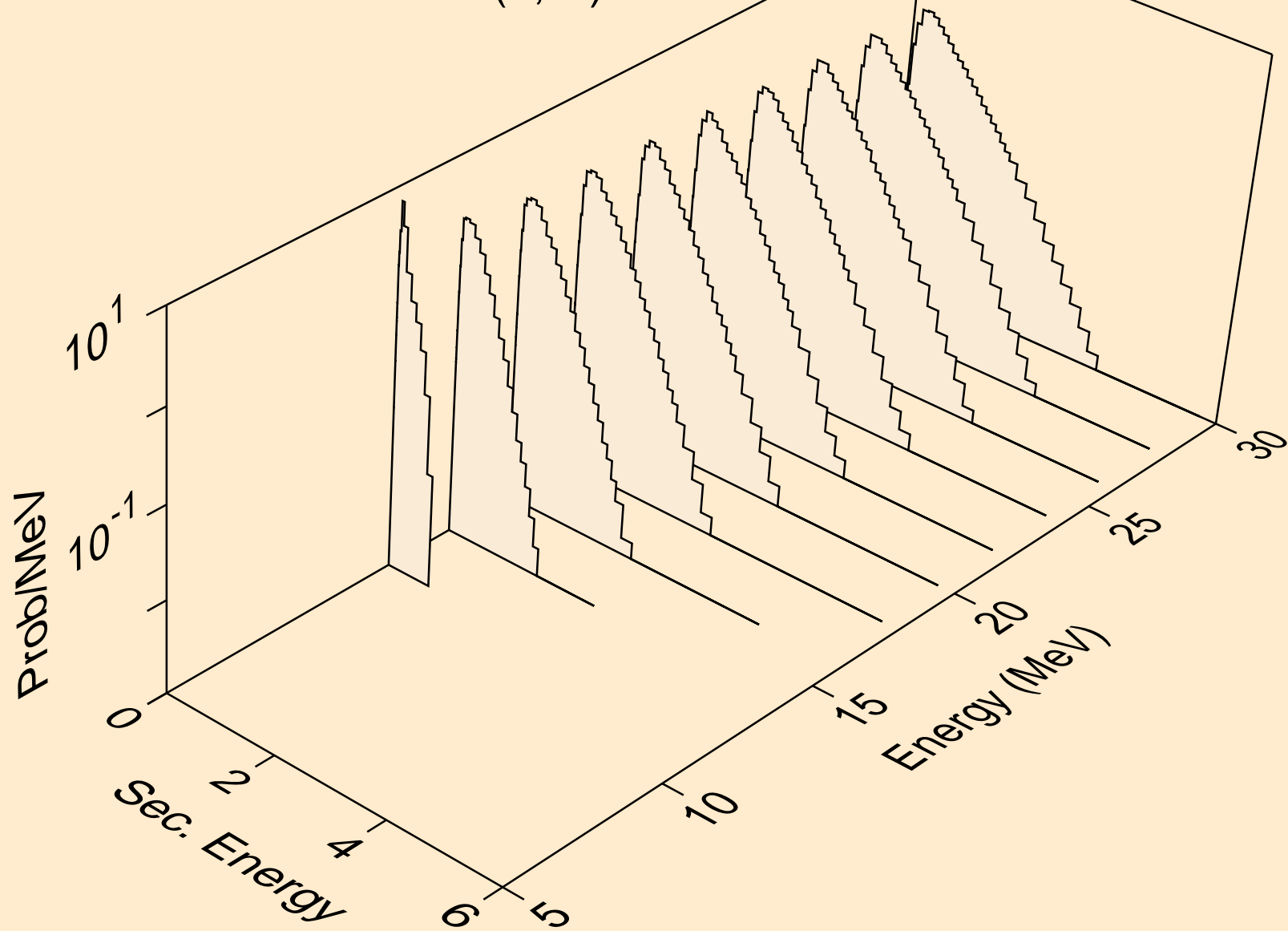
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

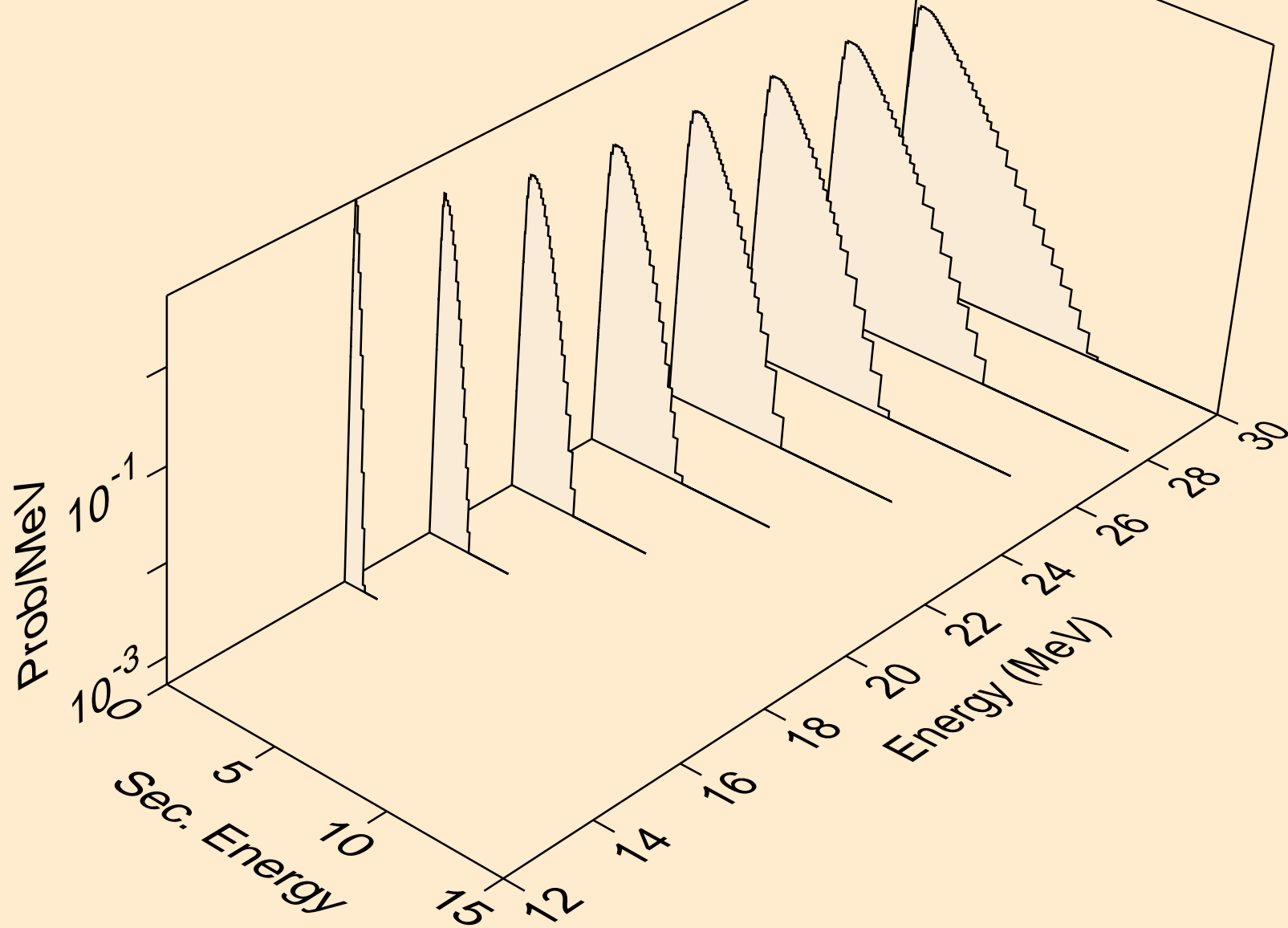


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

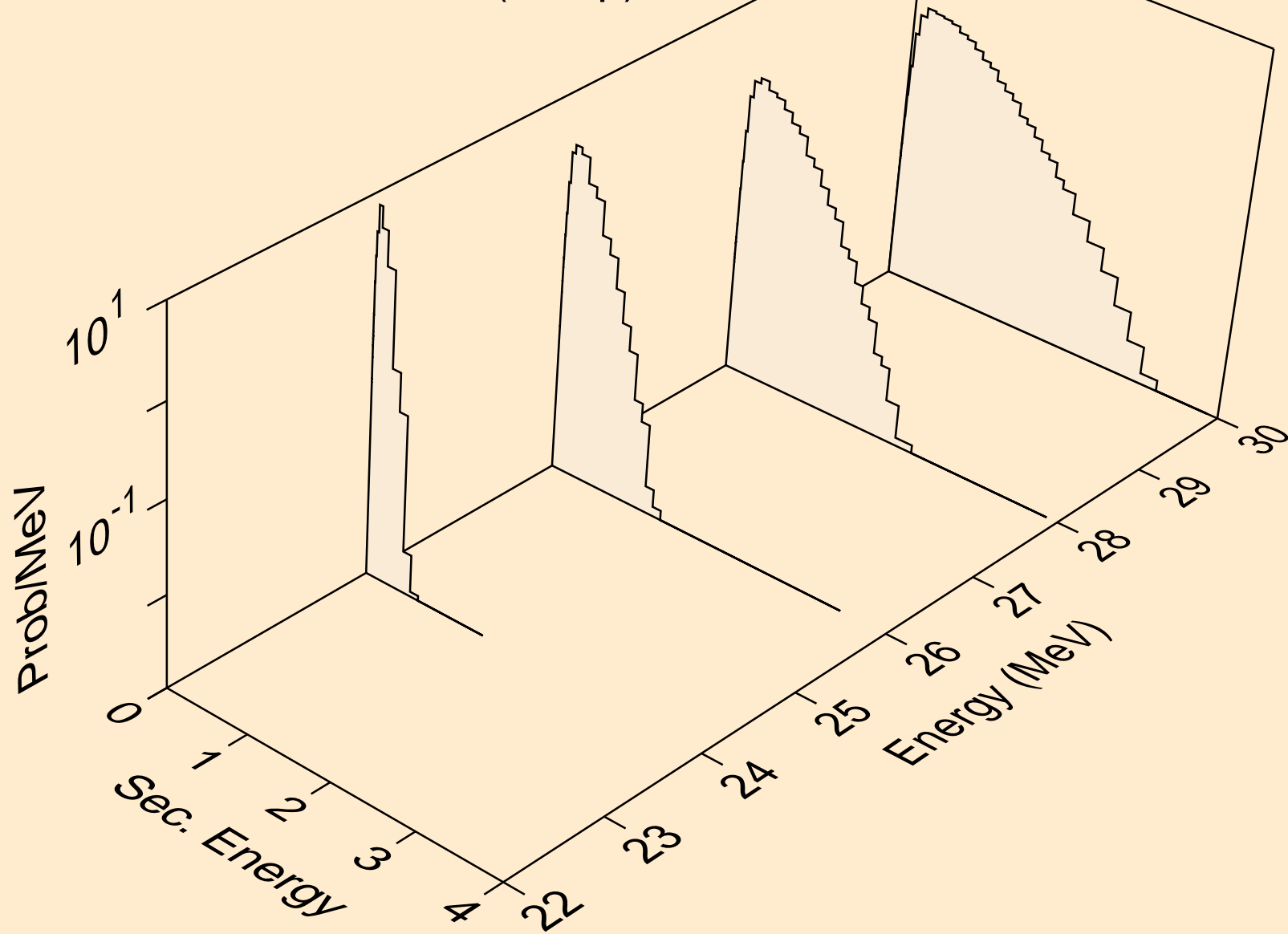




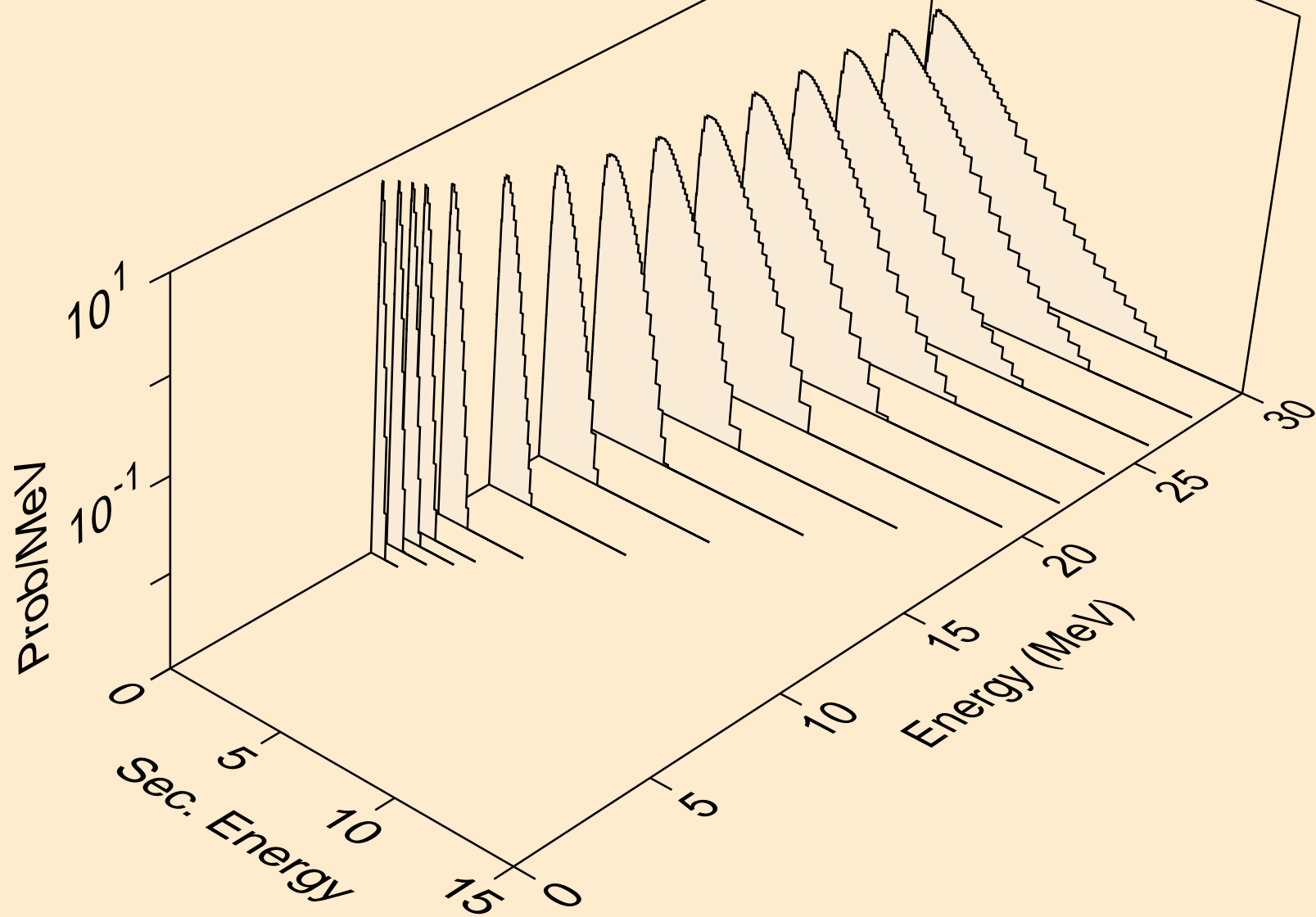
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



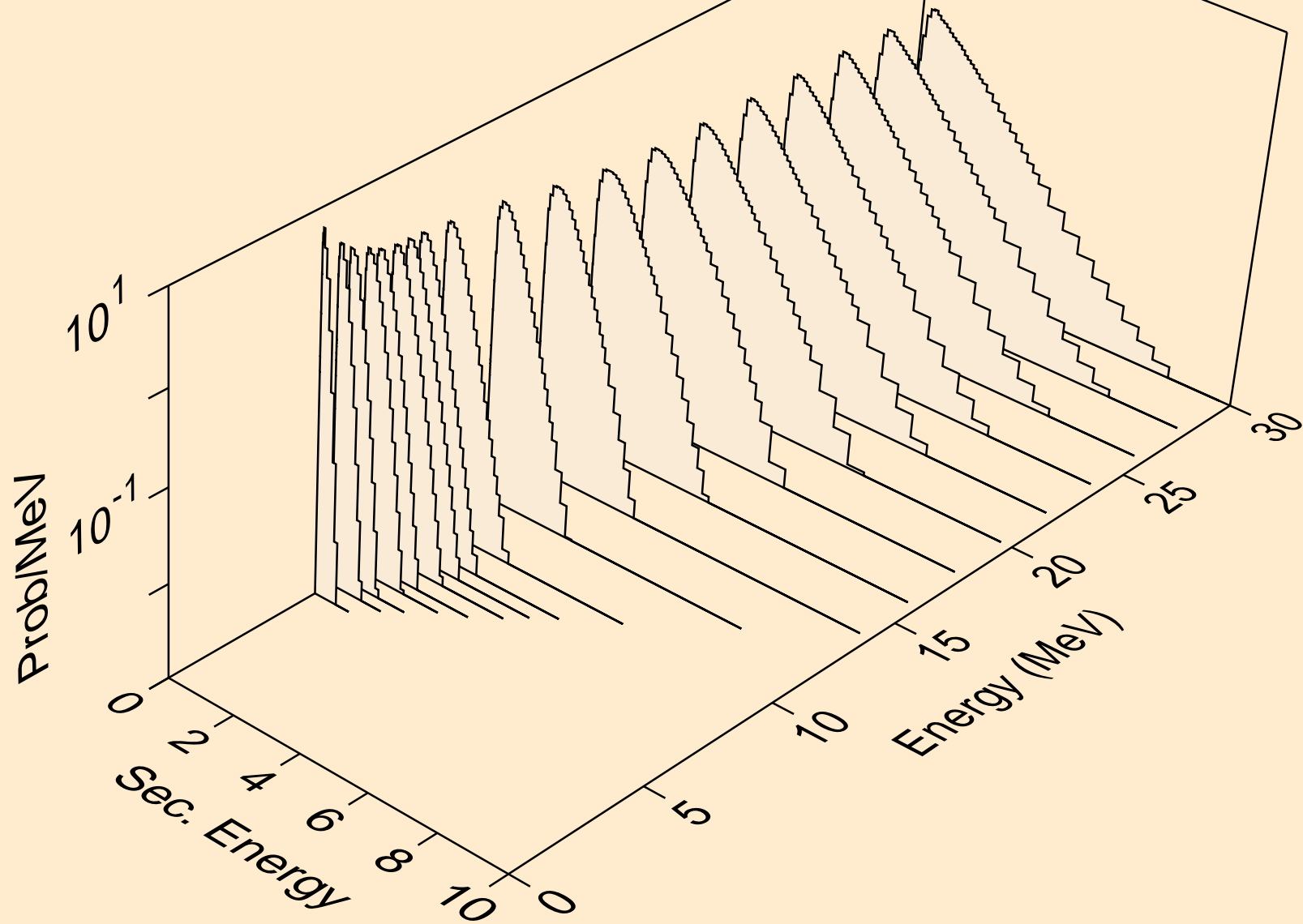
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



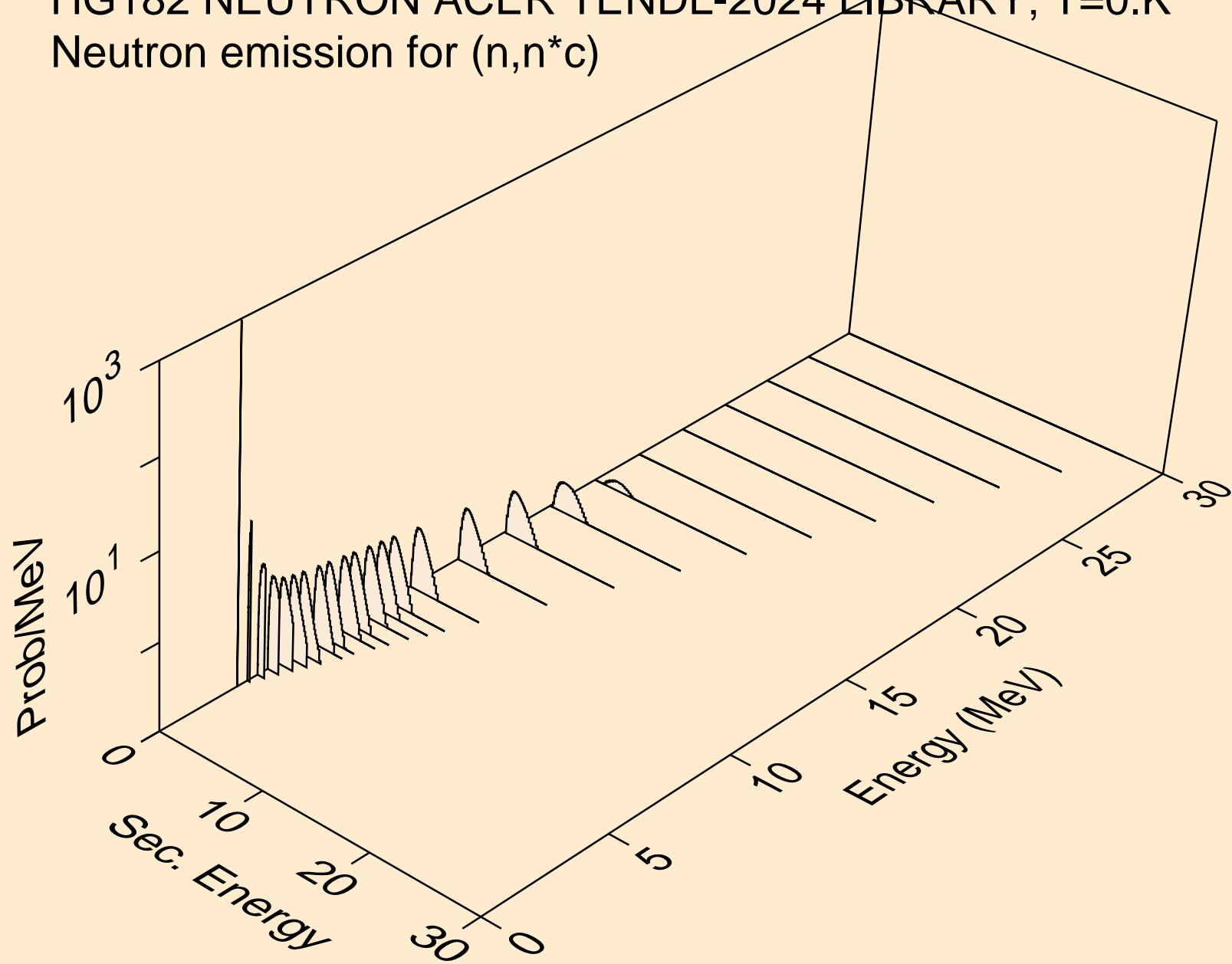
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Neutron emission for (n,n2p)



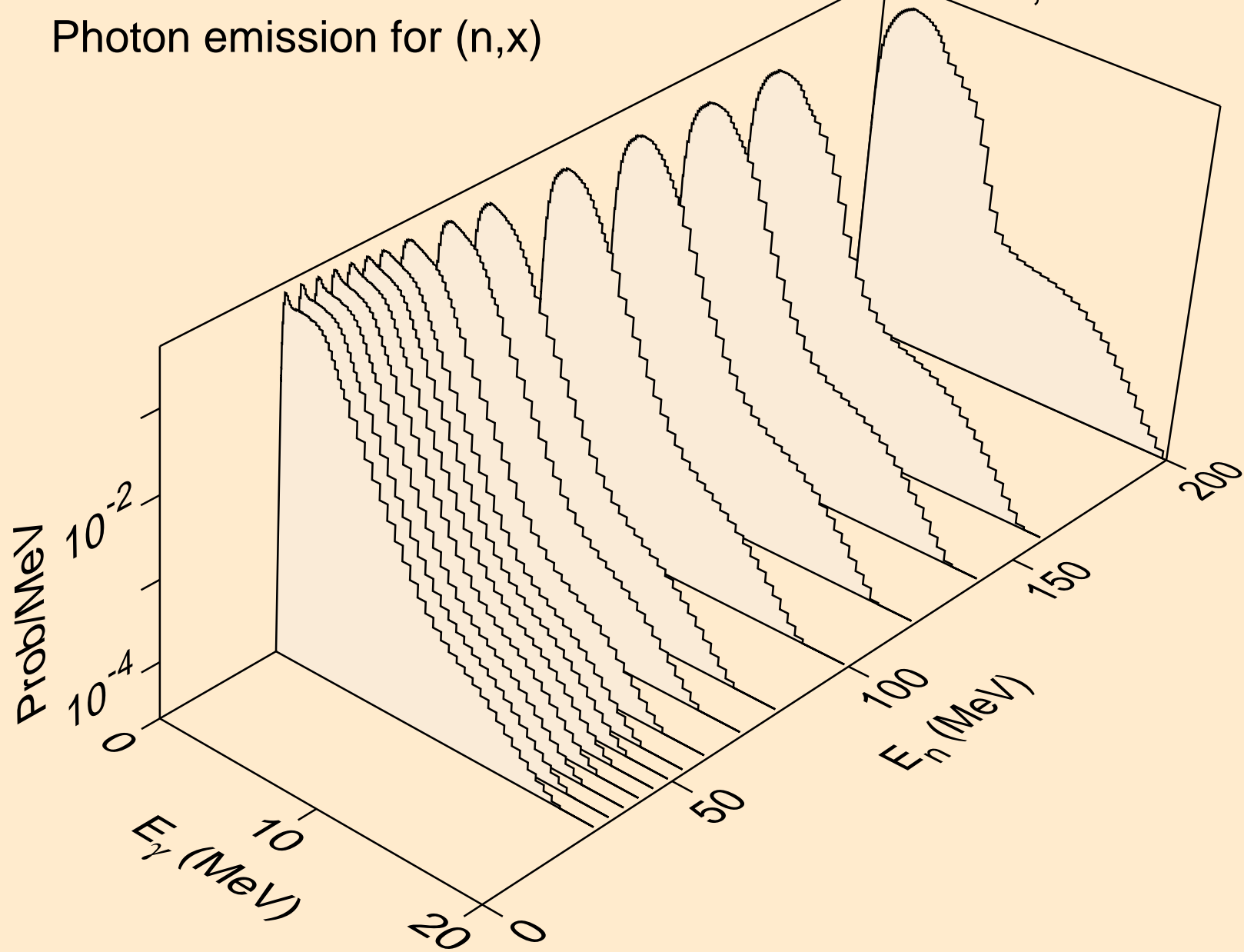
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Neutron emission for (n,npa)



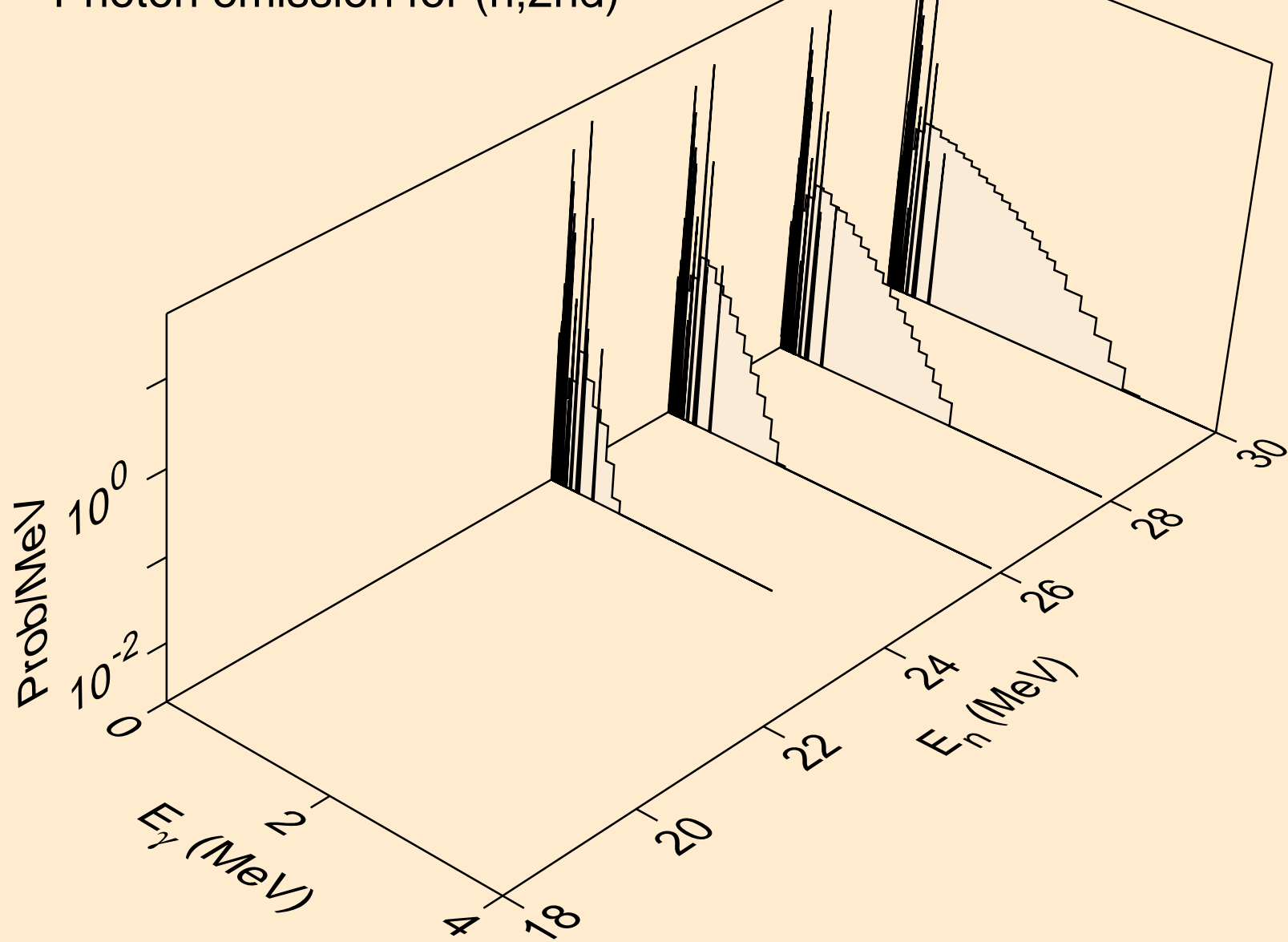
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



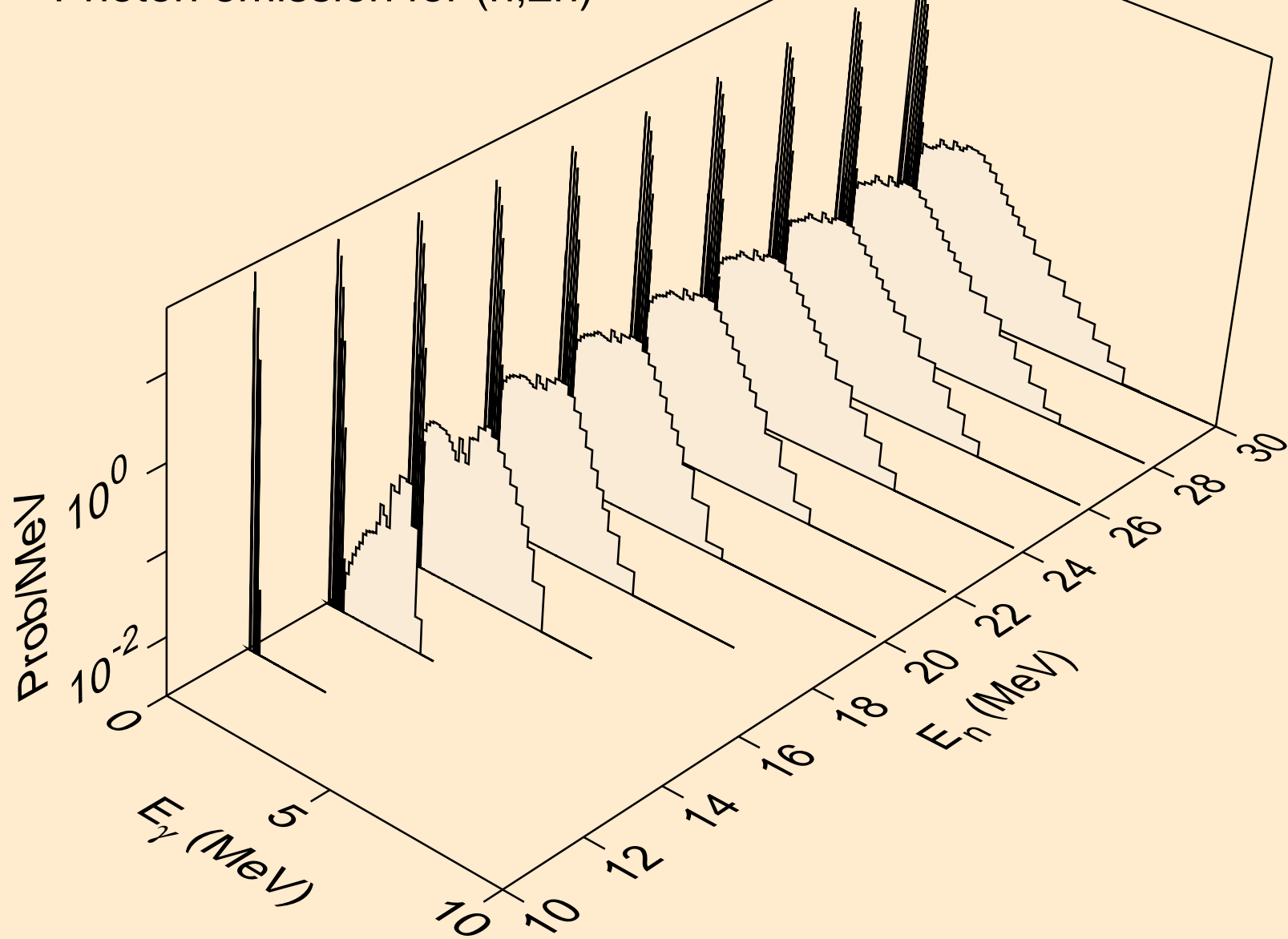
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

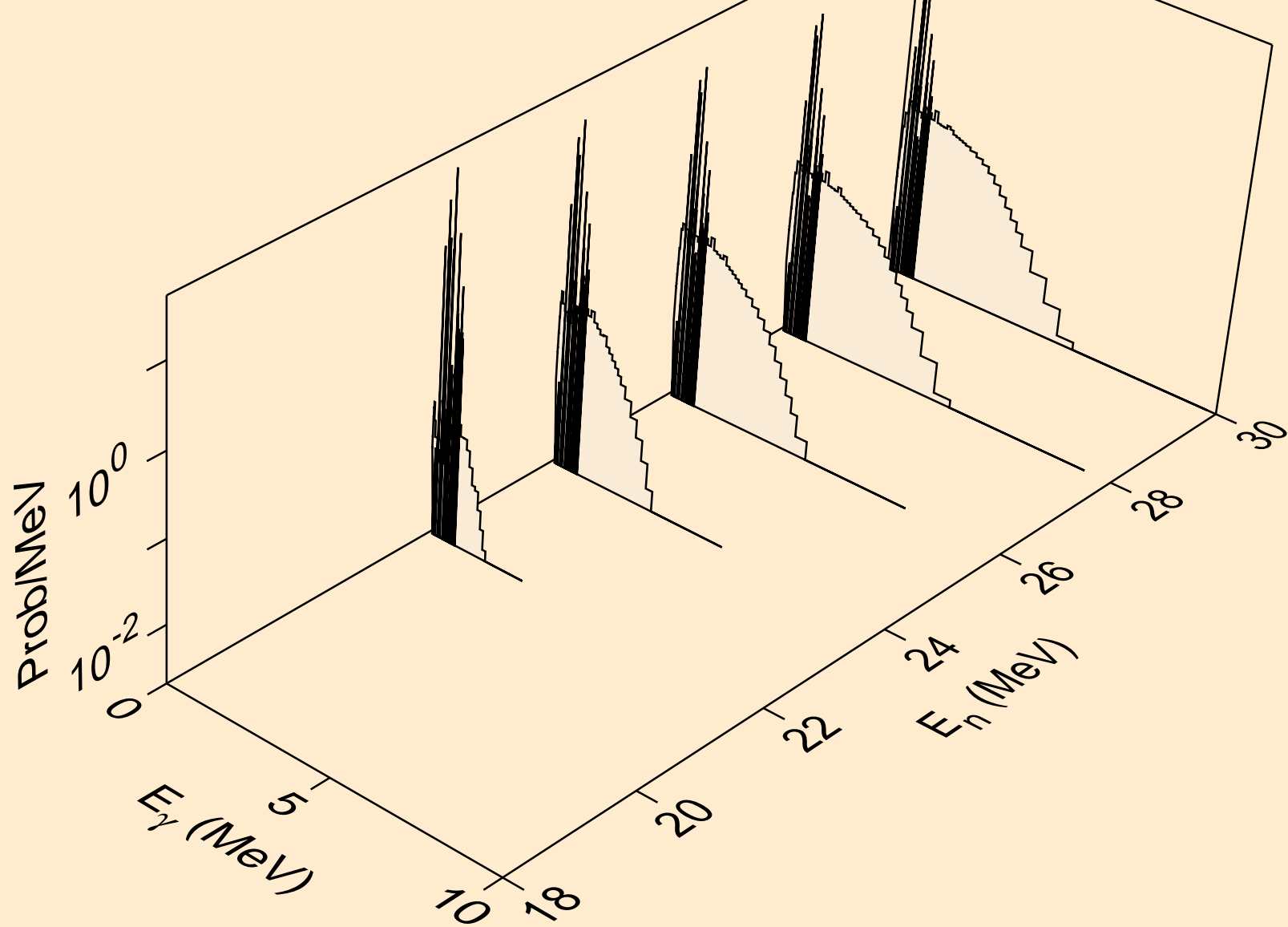


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

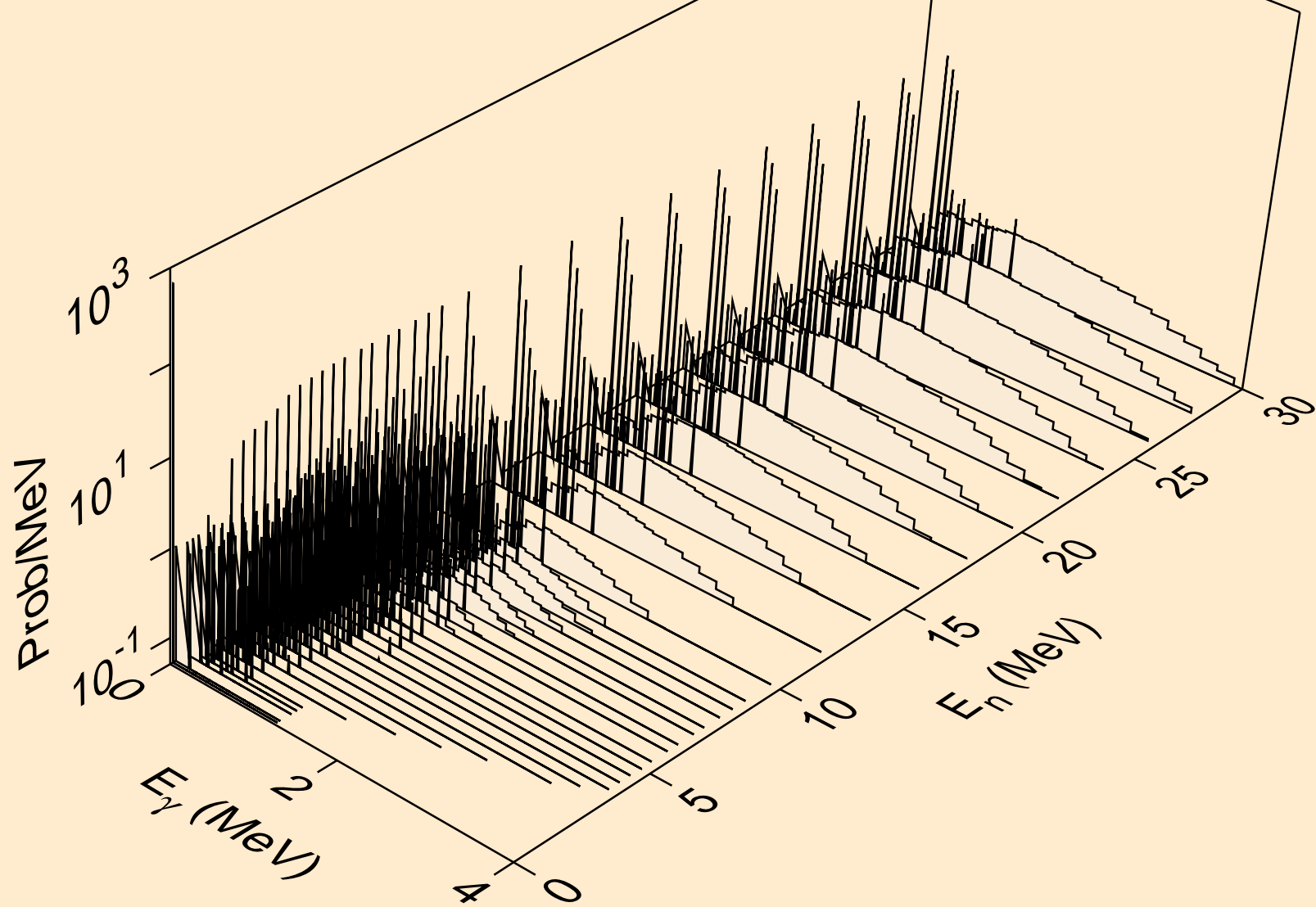




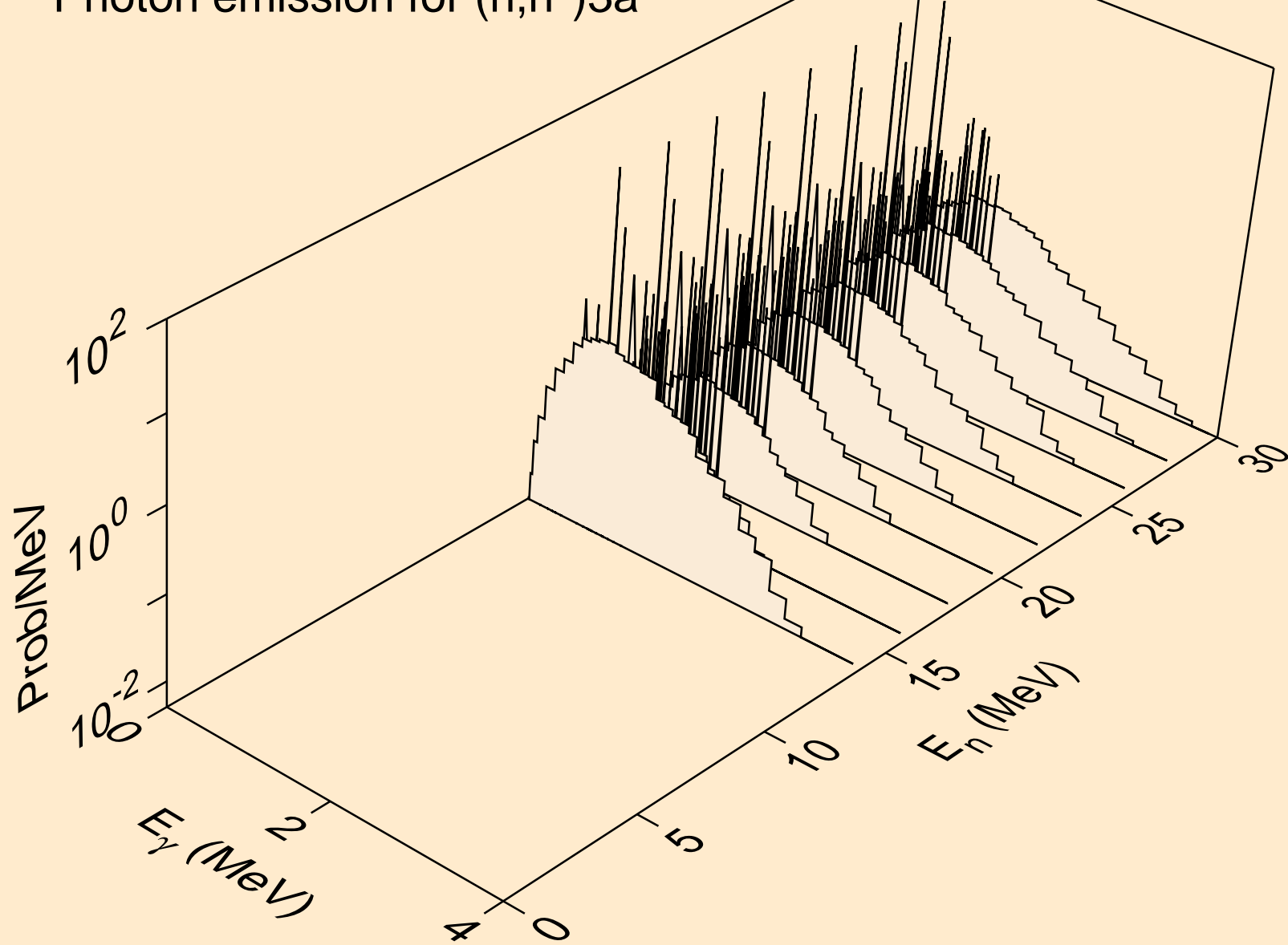
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



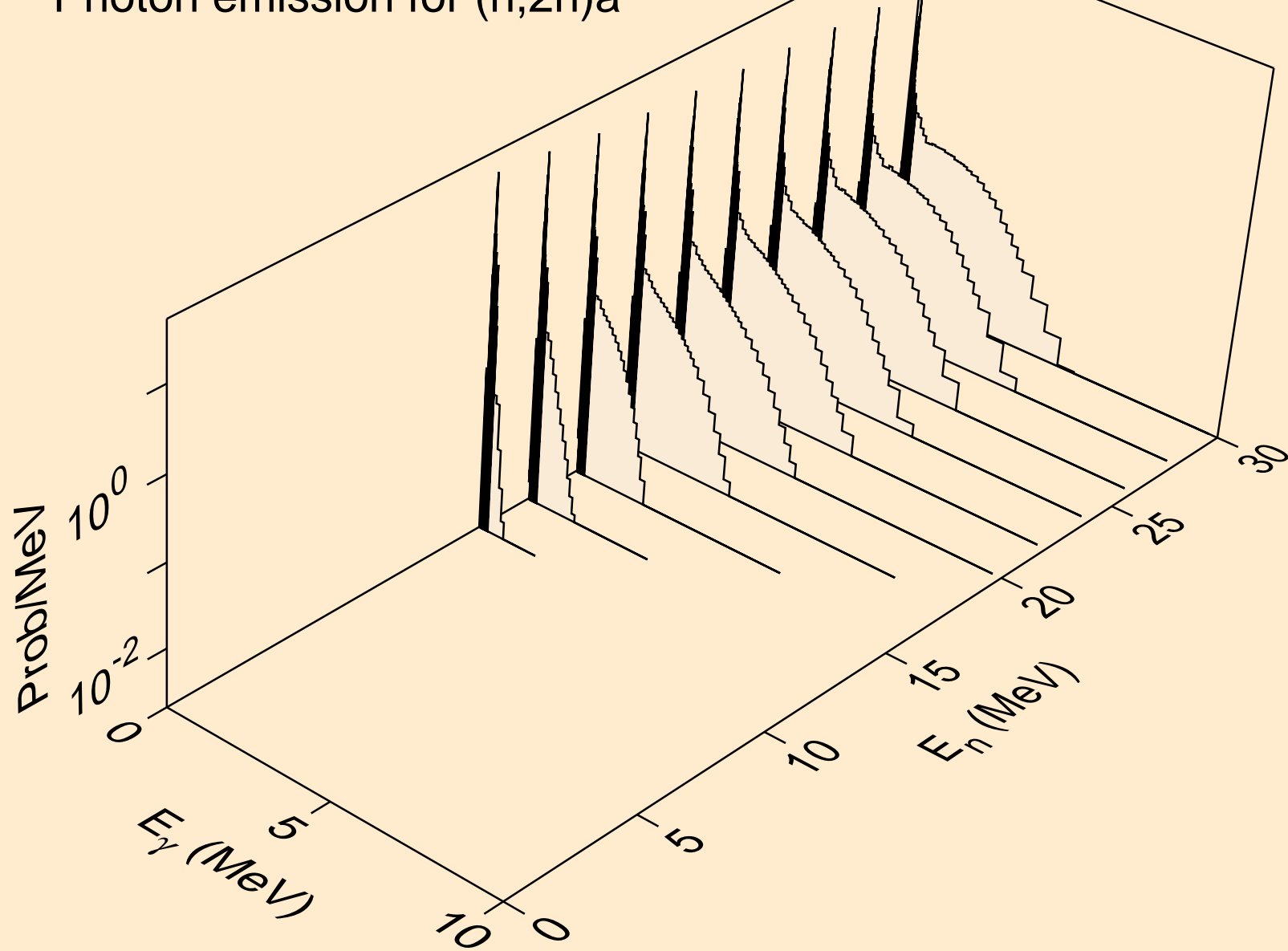
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



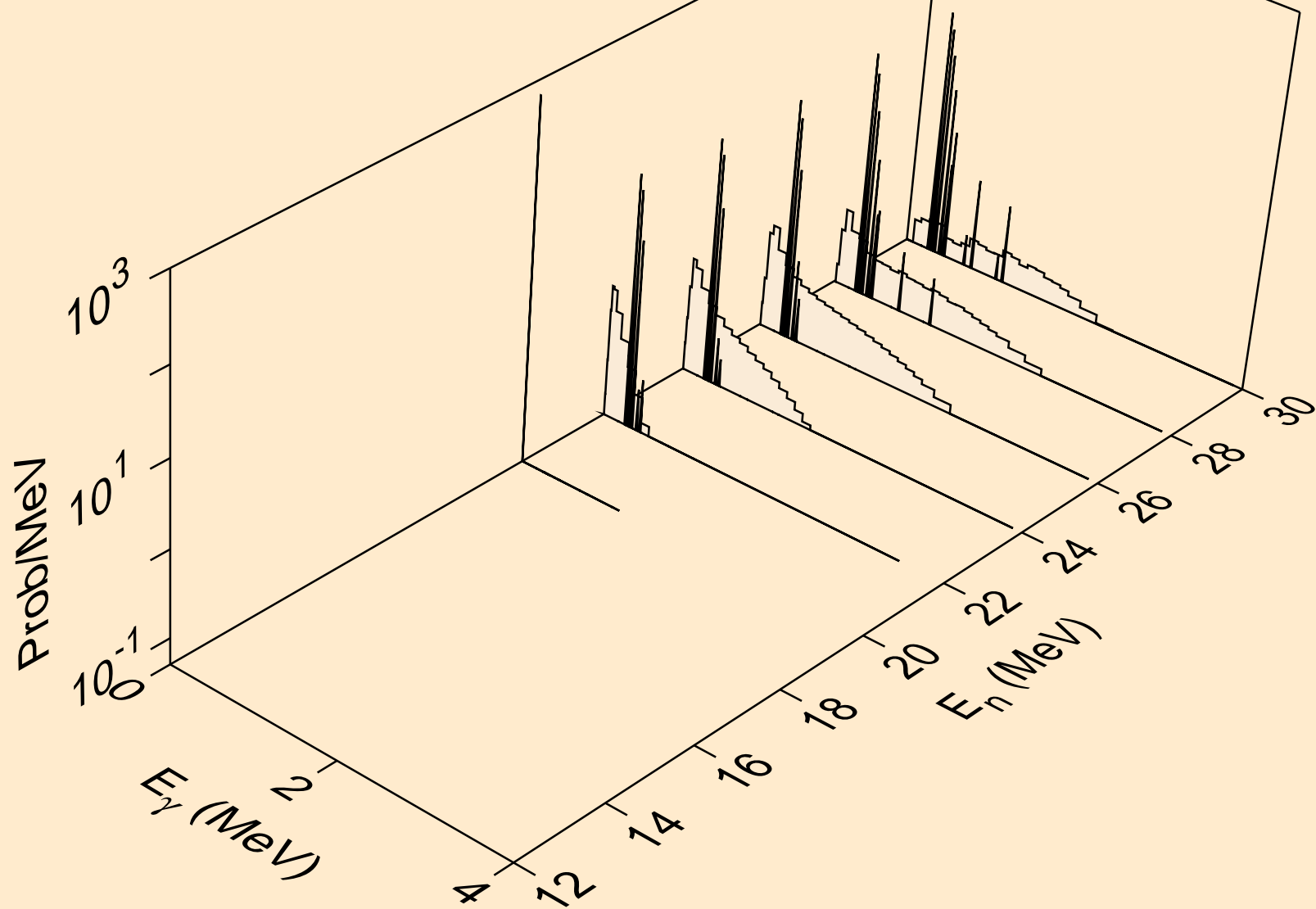
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



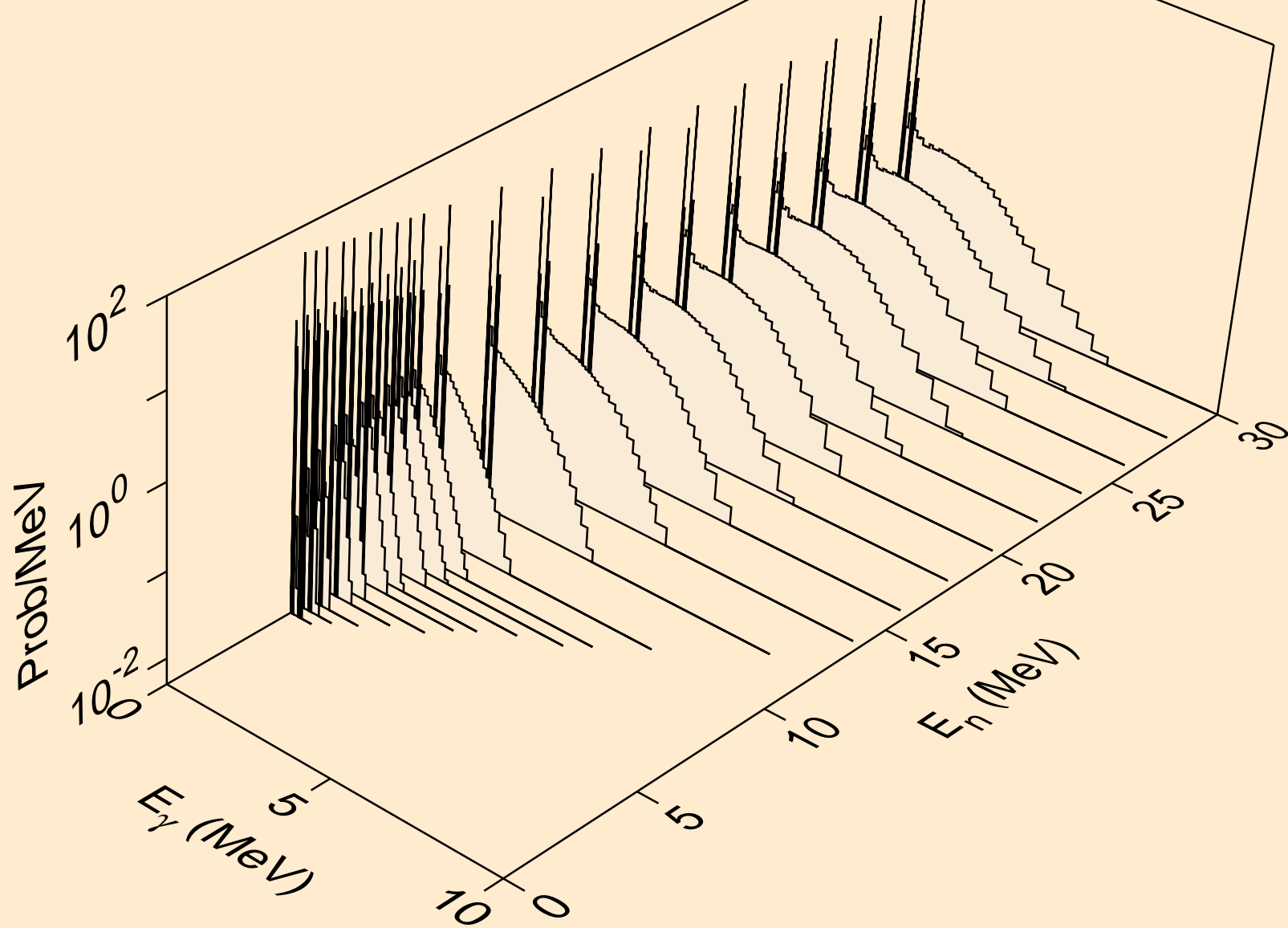
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



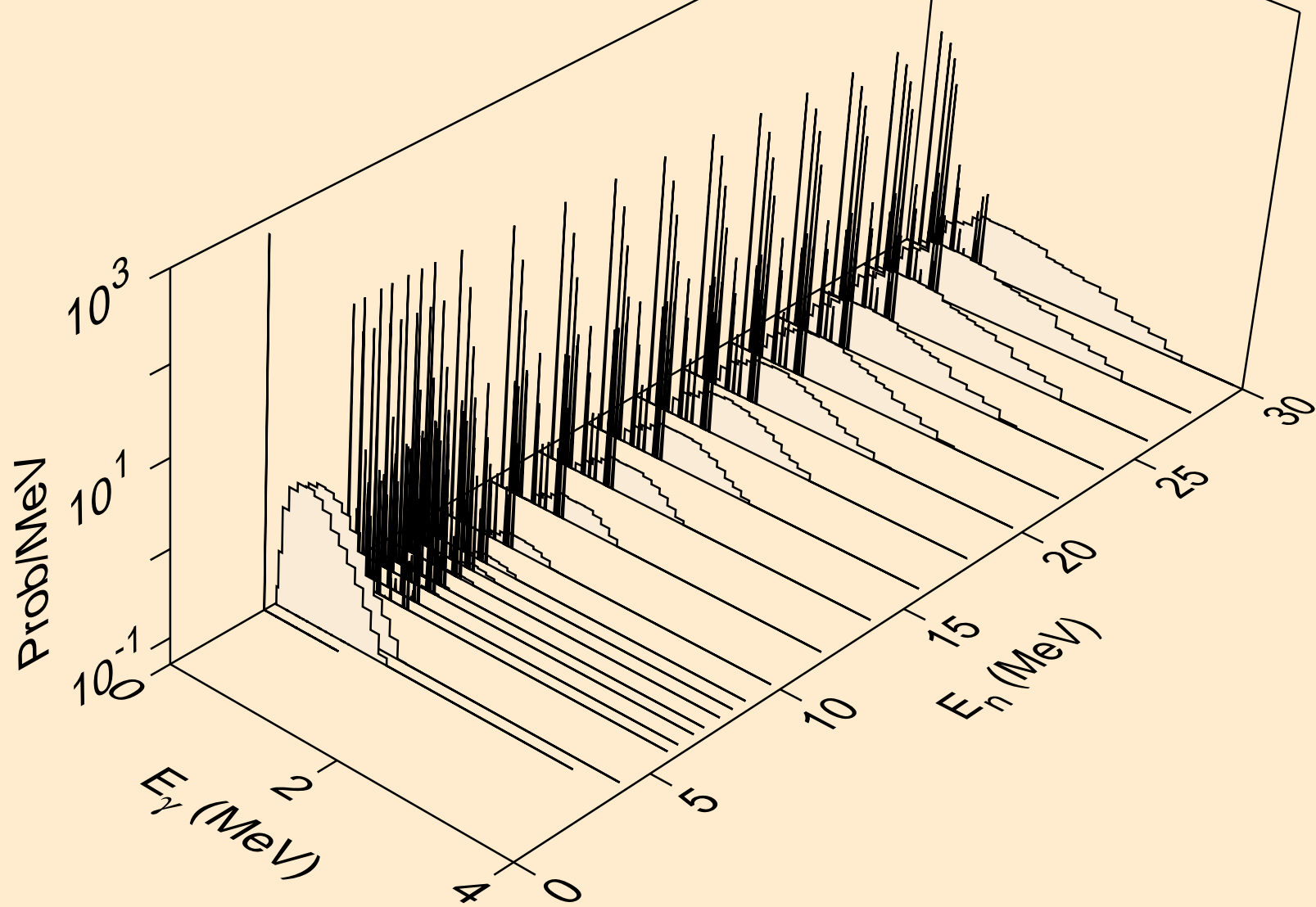
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



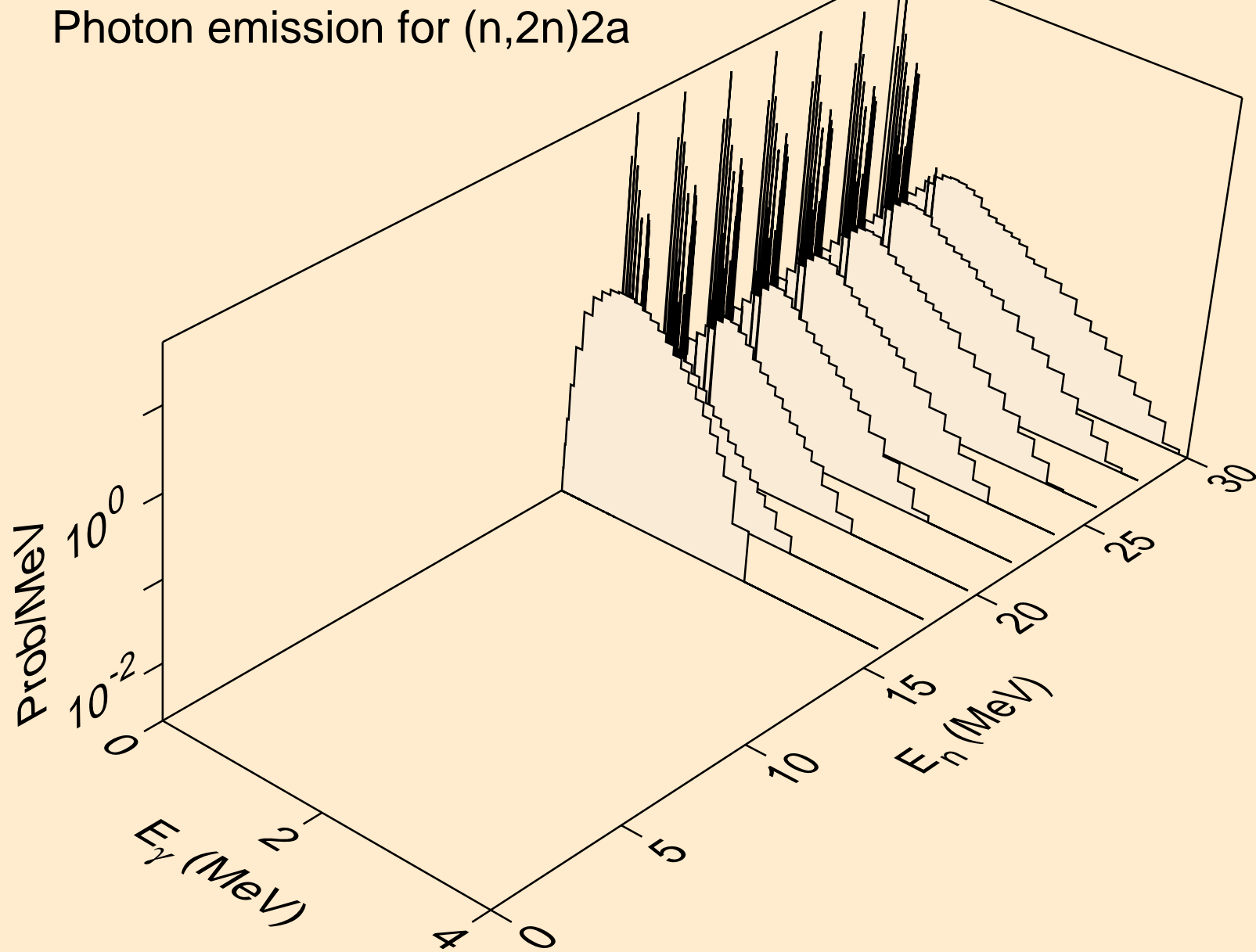
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

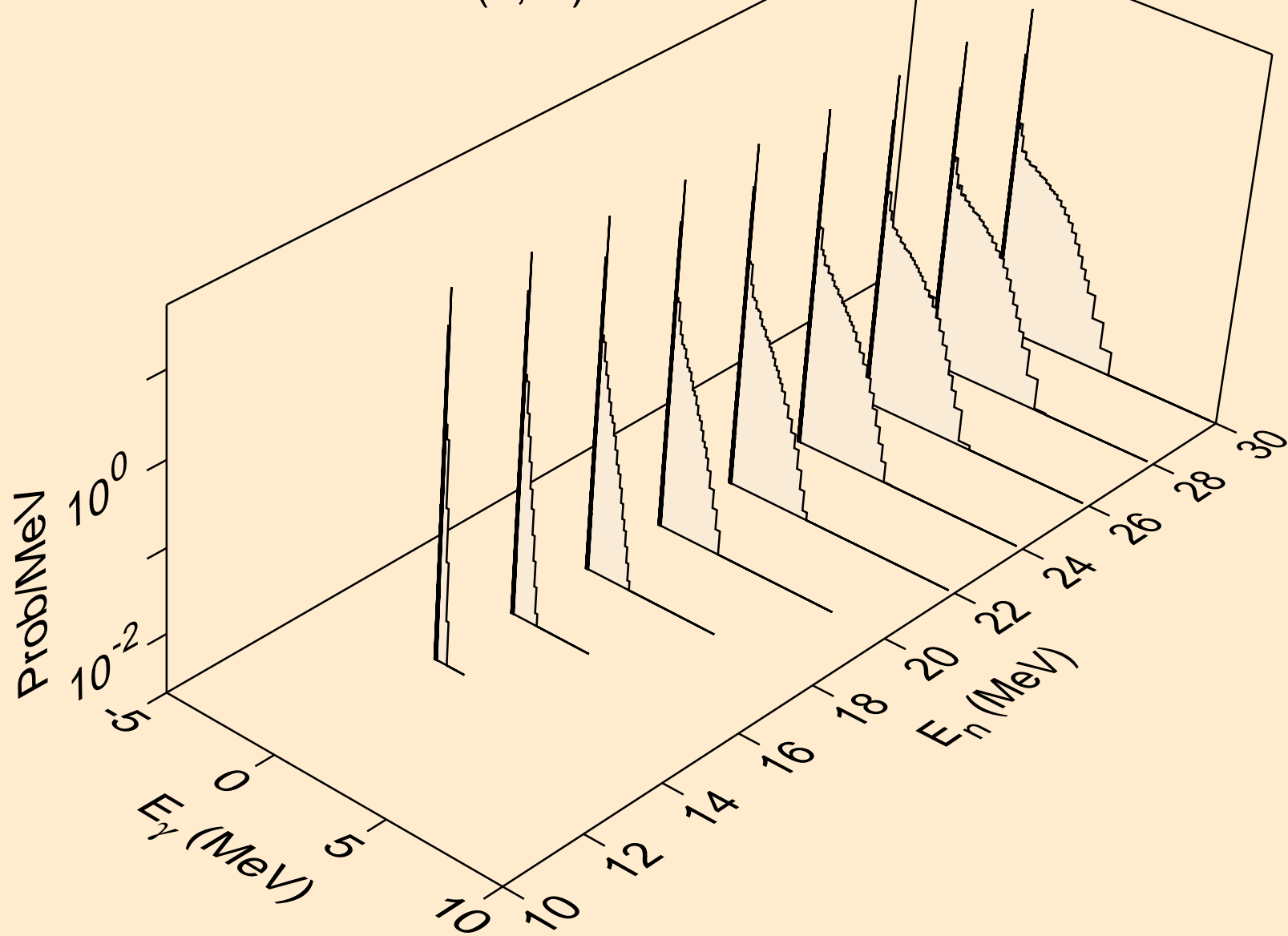


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

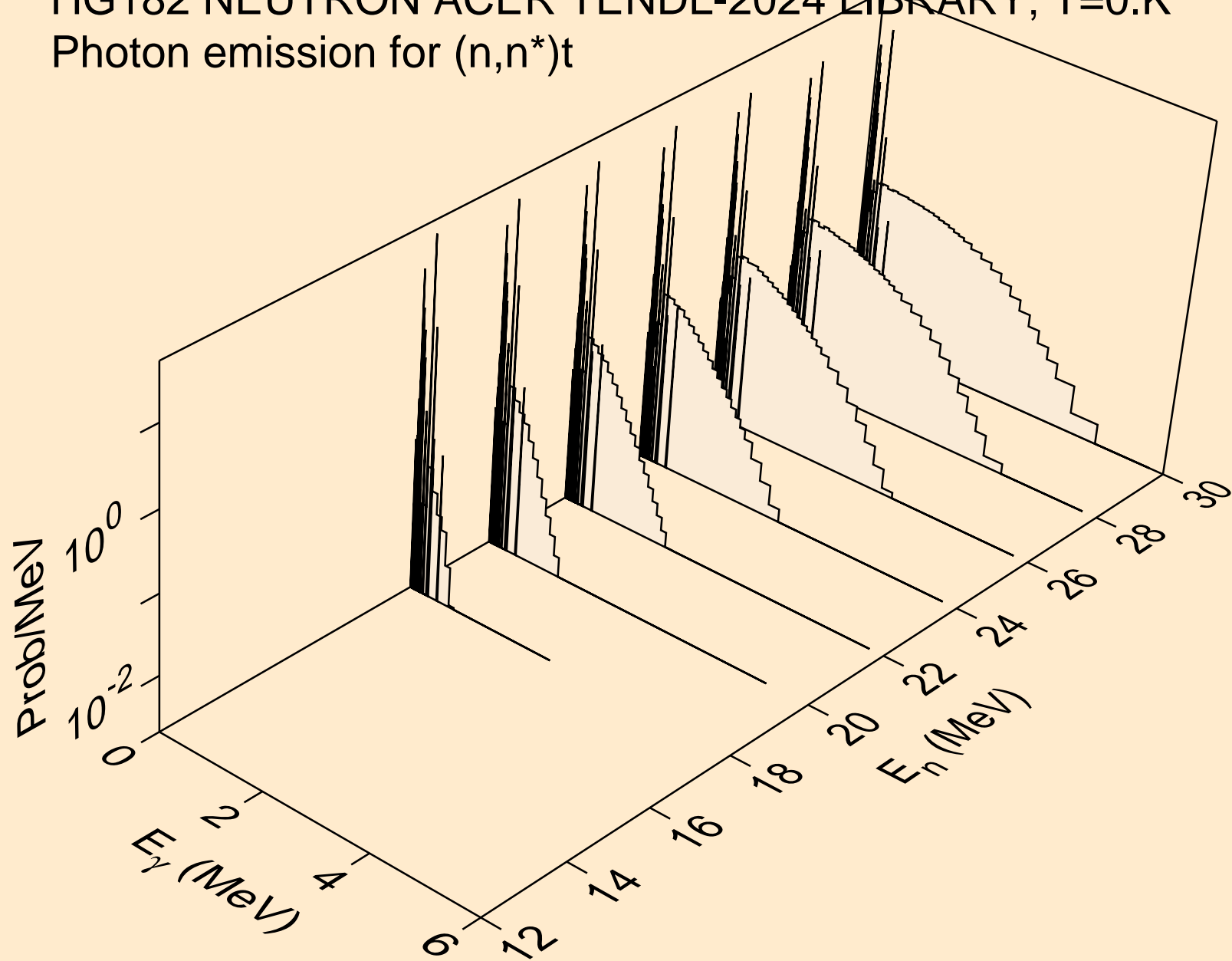




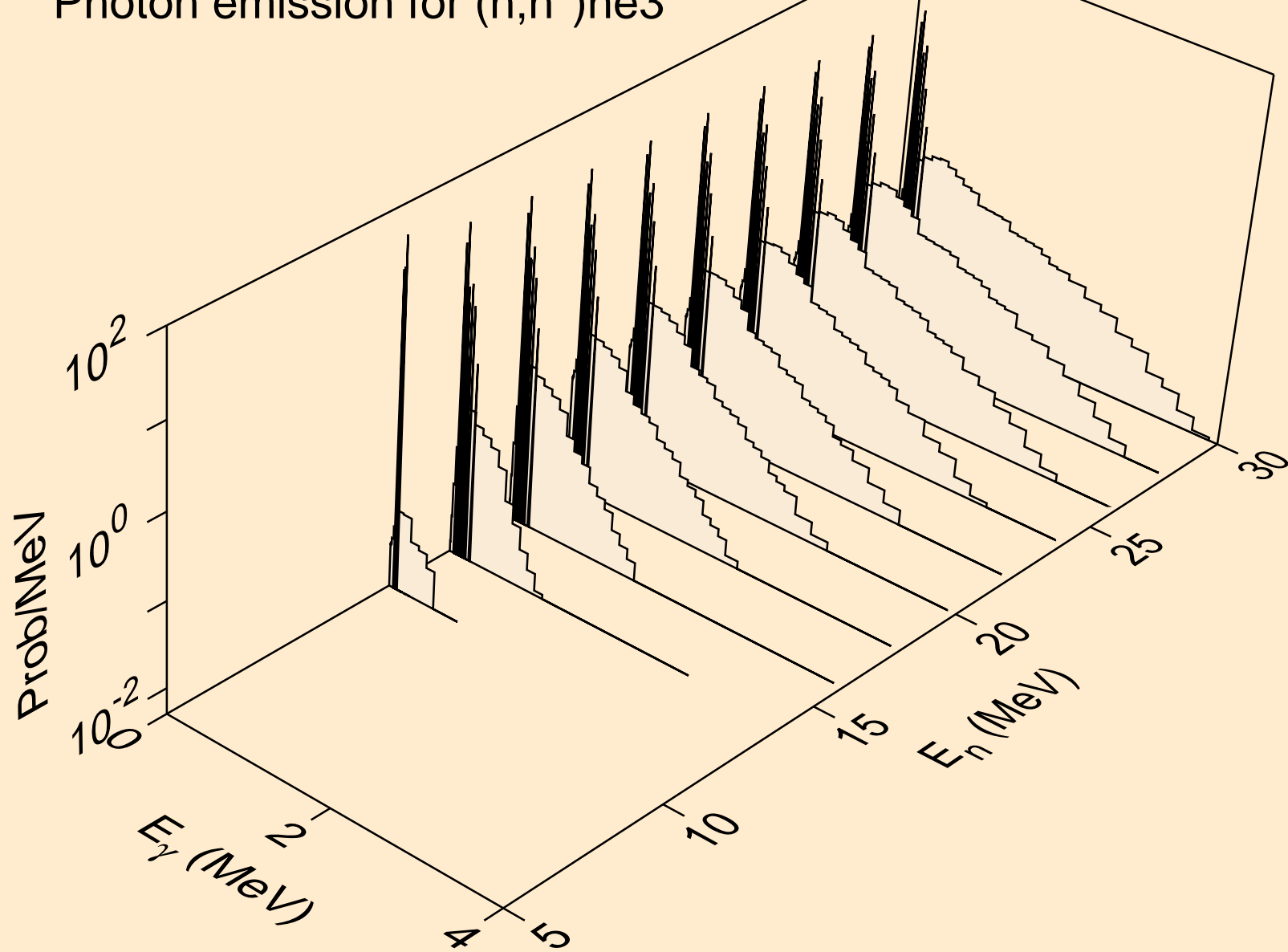
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



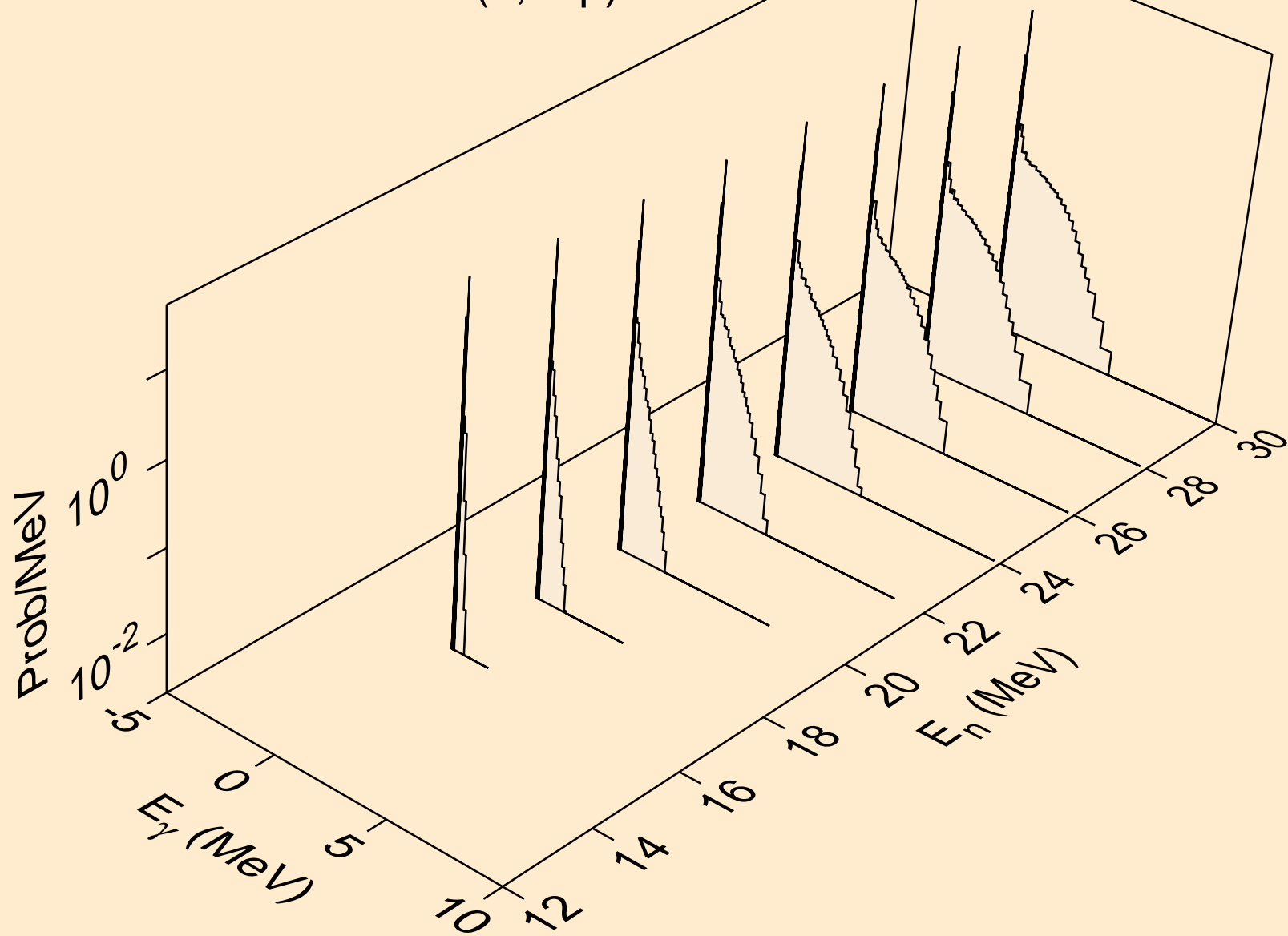
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



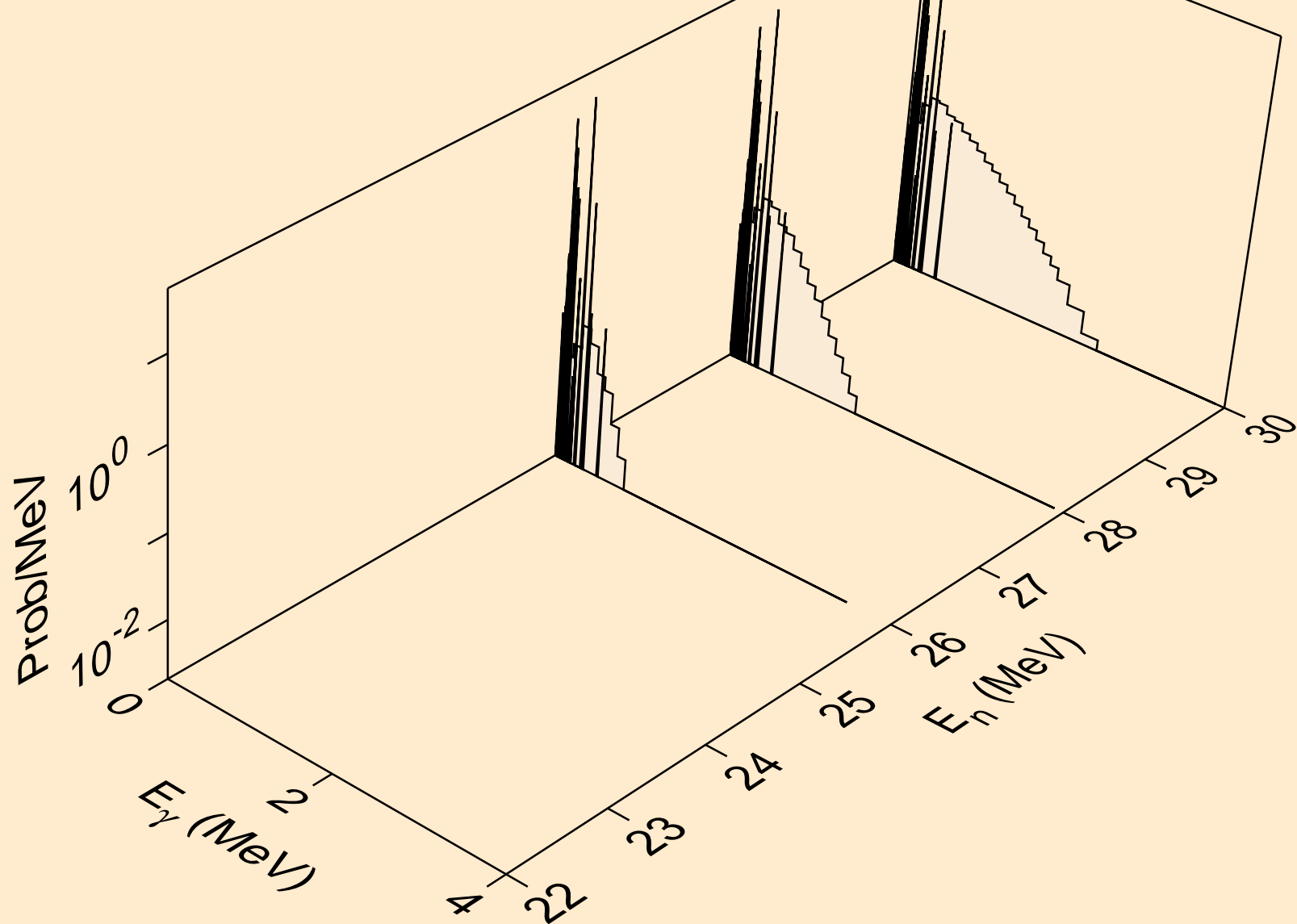
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



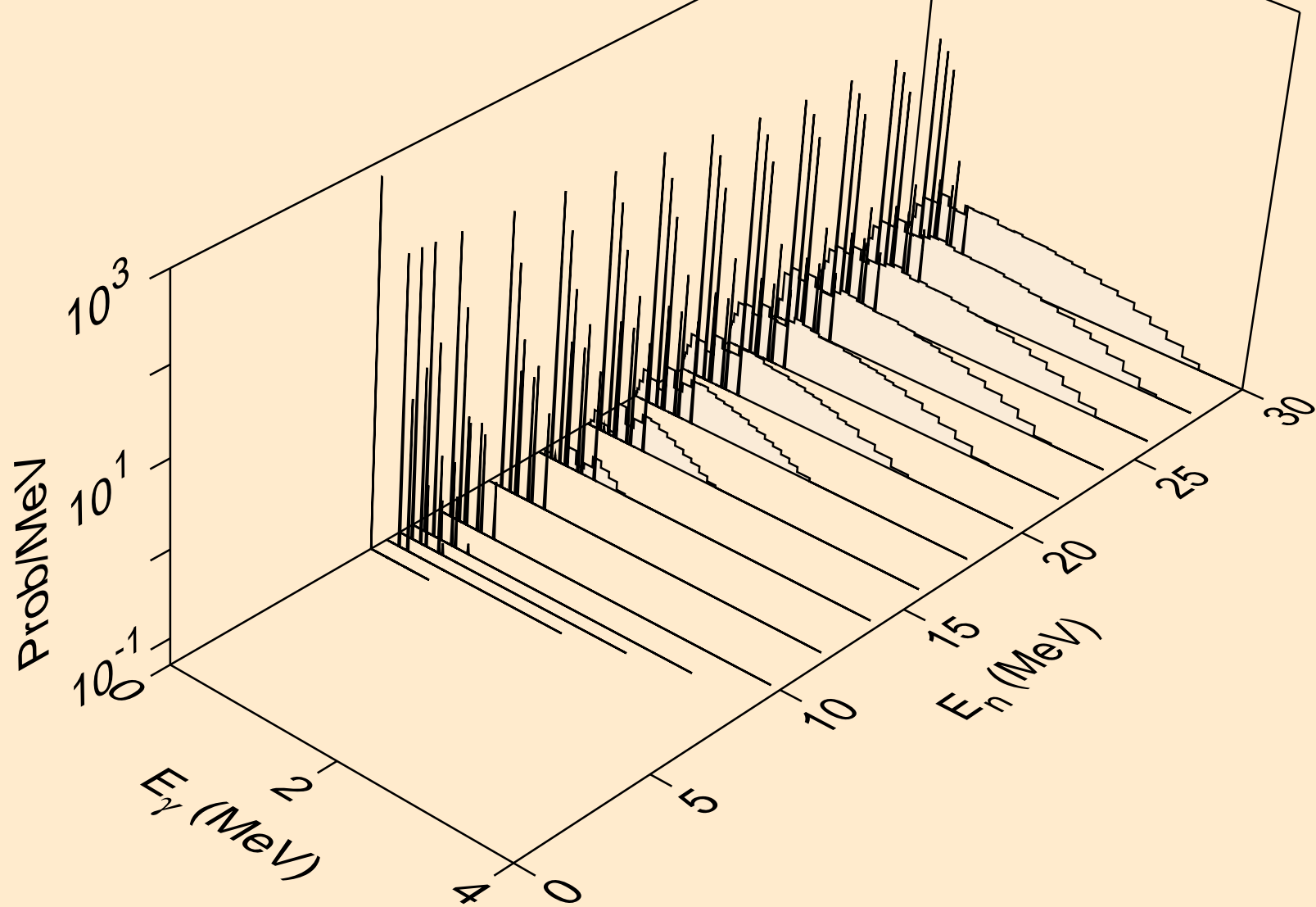
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



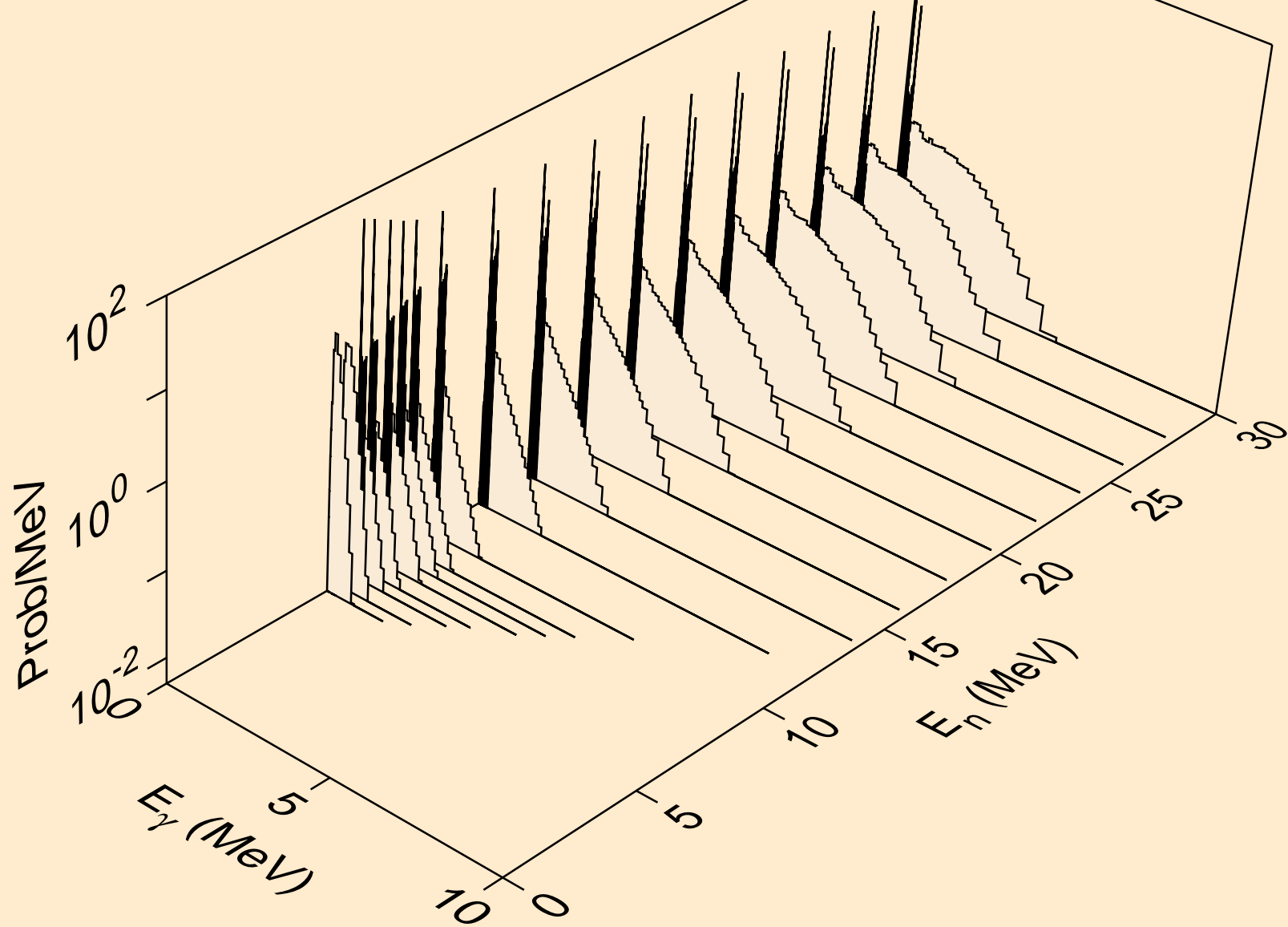
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



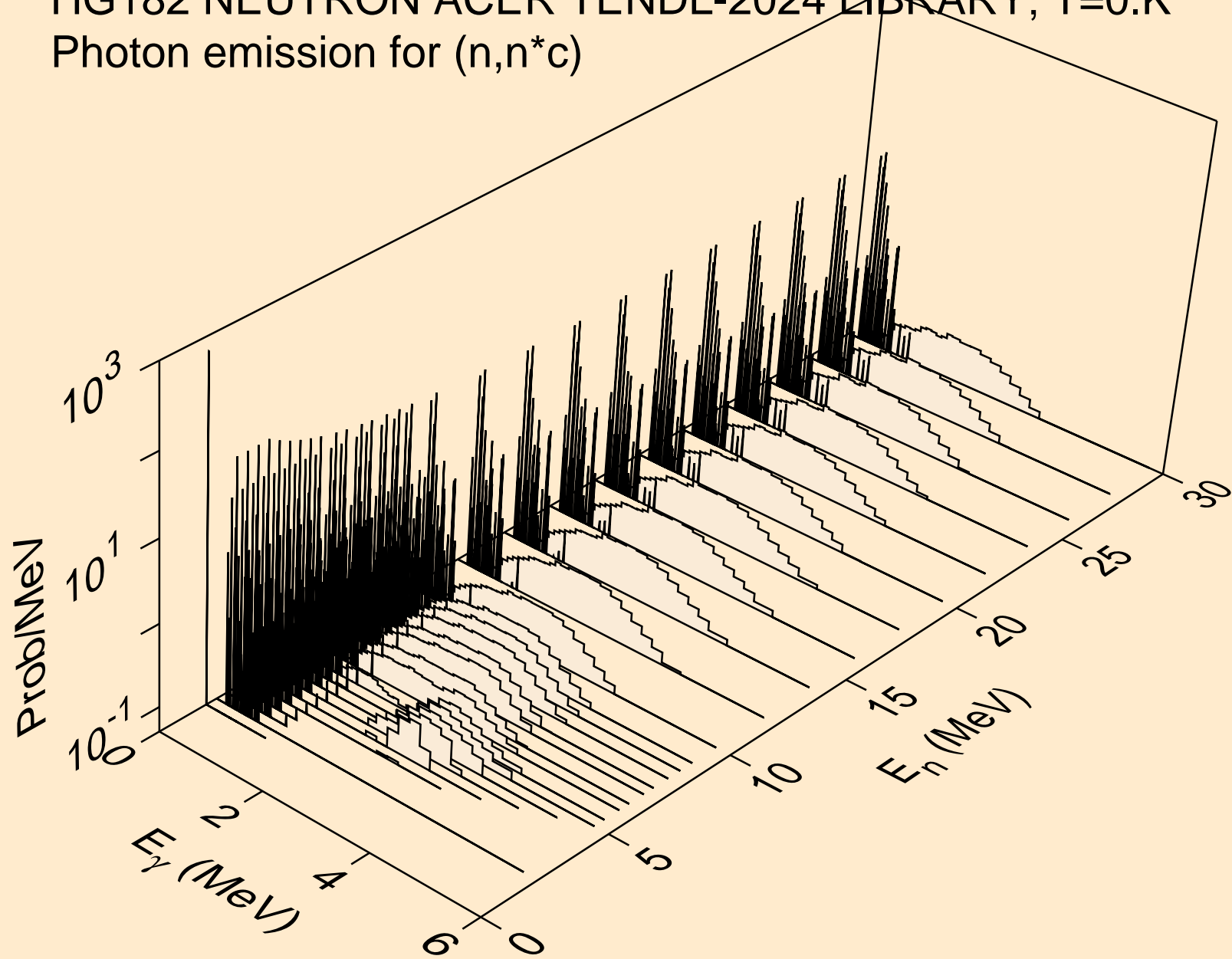
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

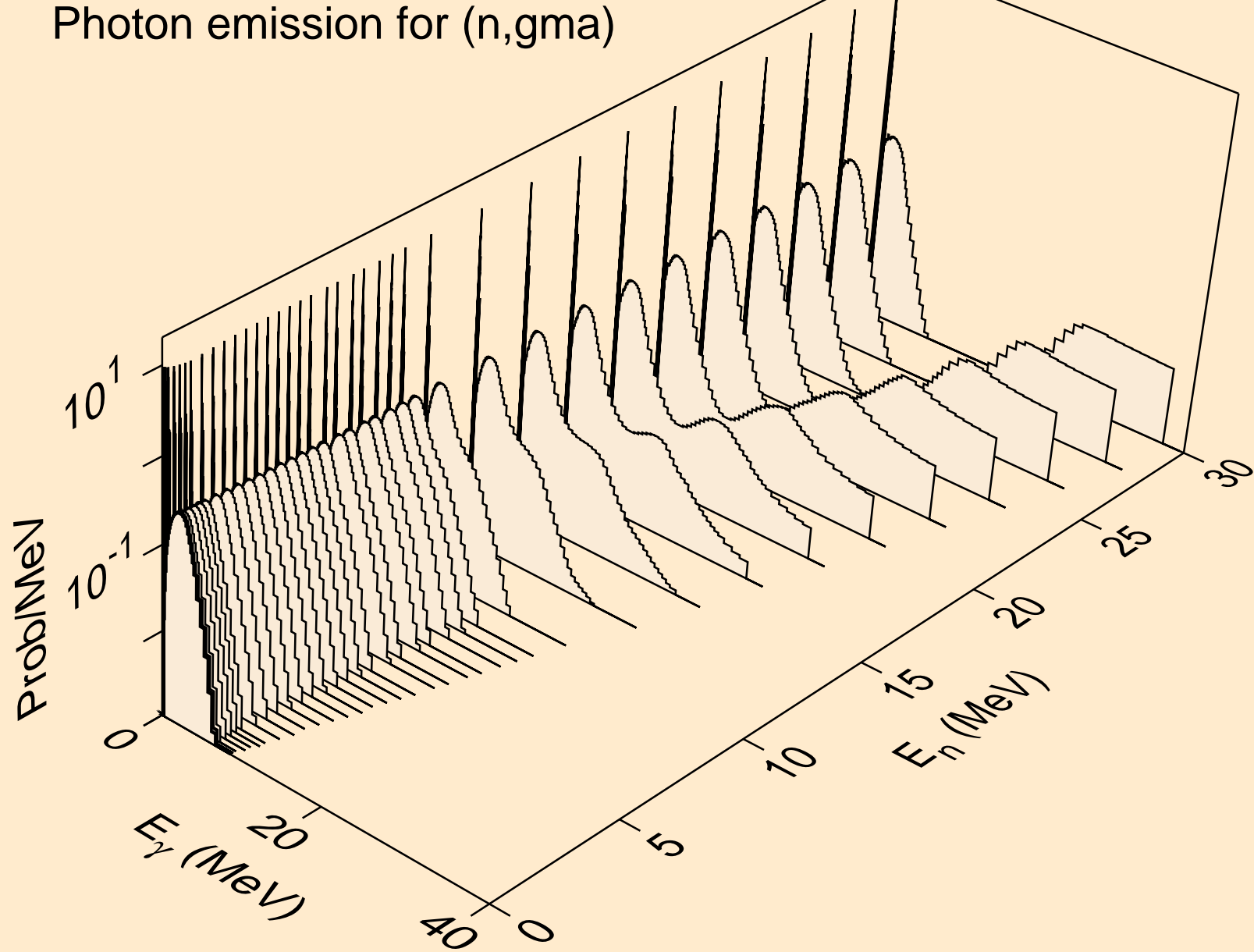


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

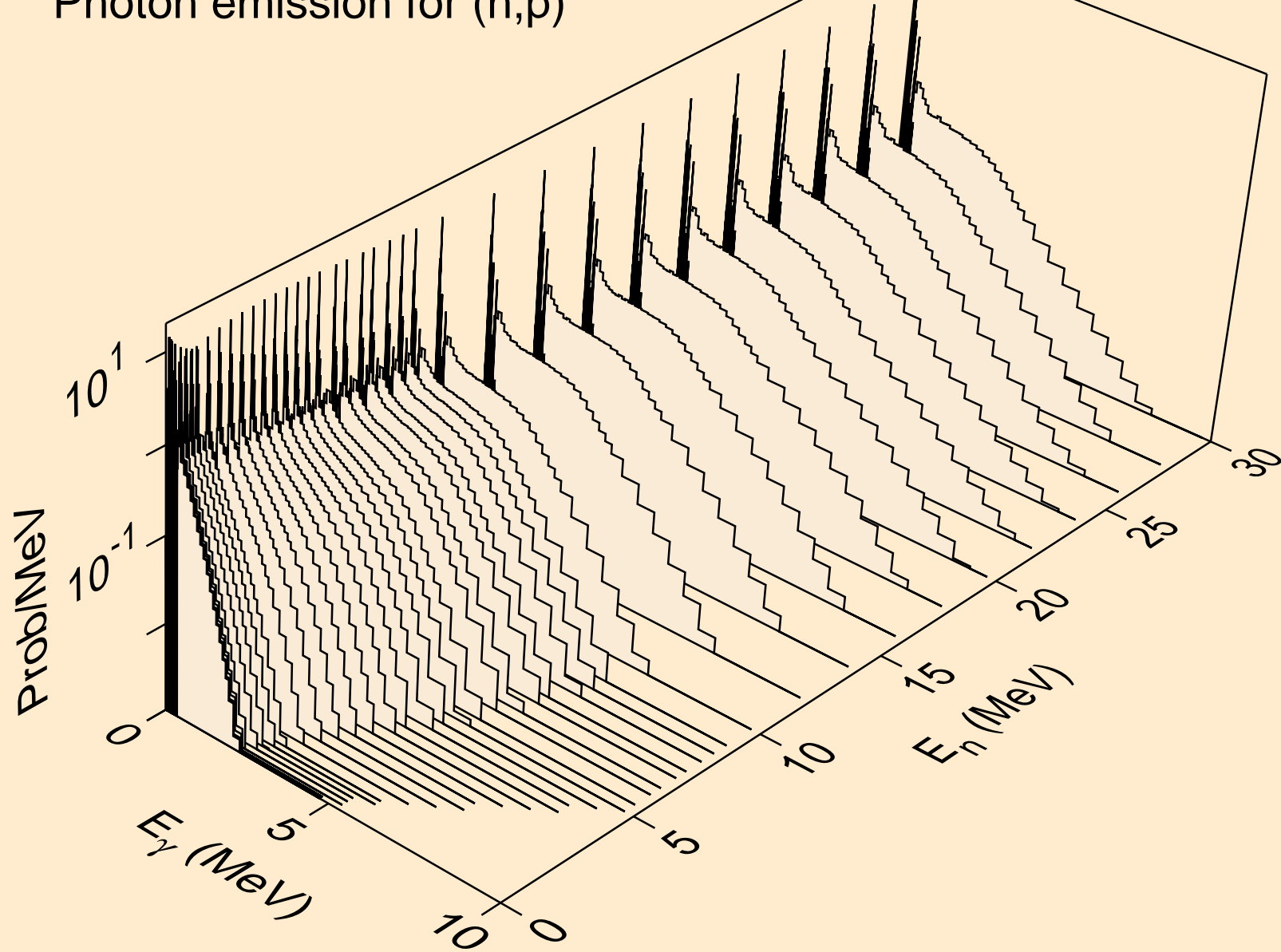




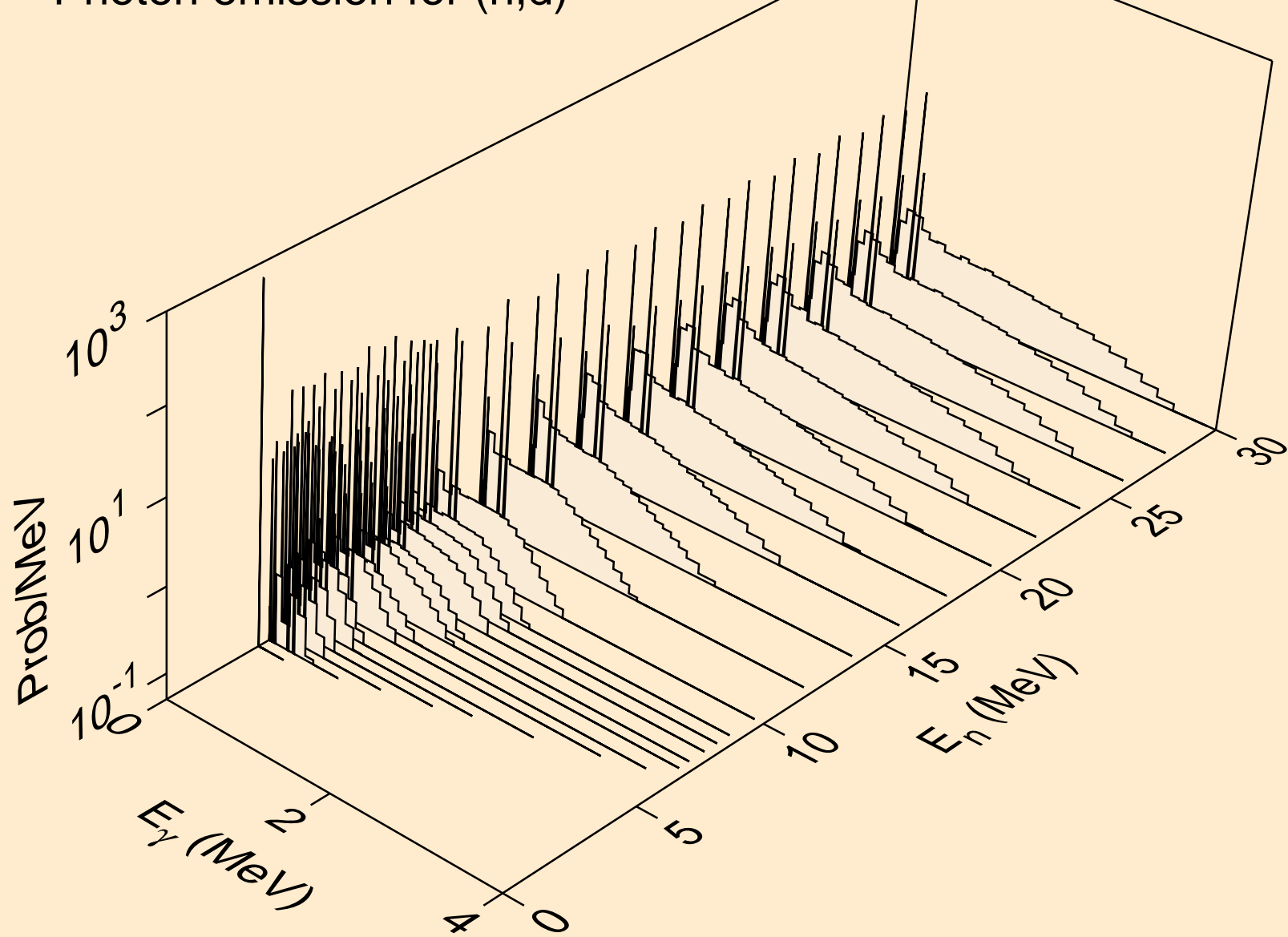
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



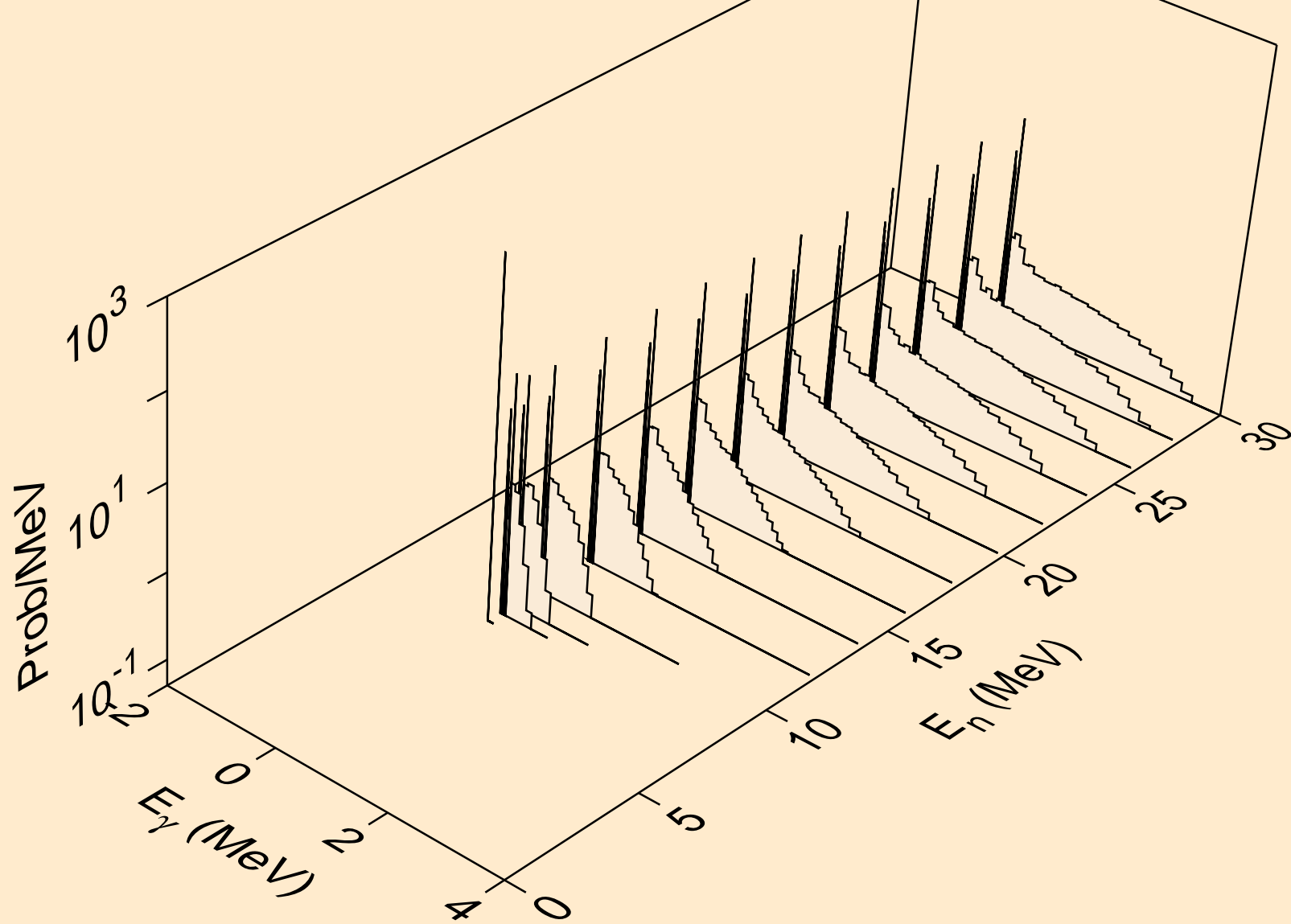
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



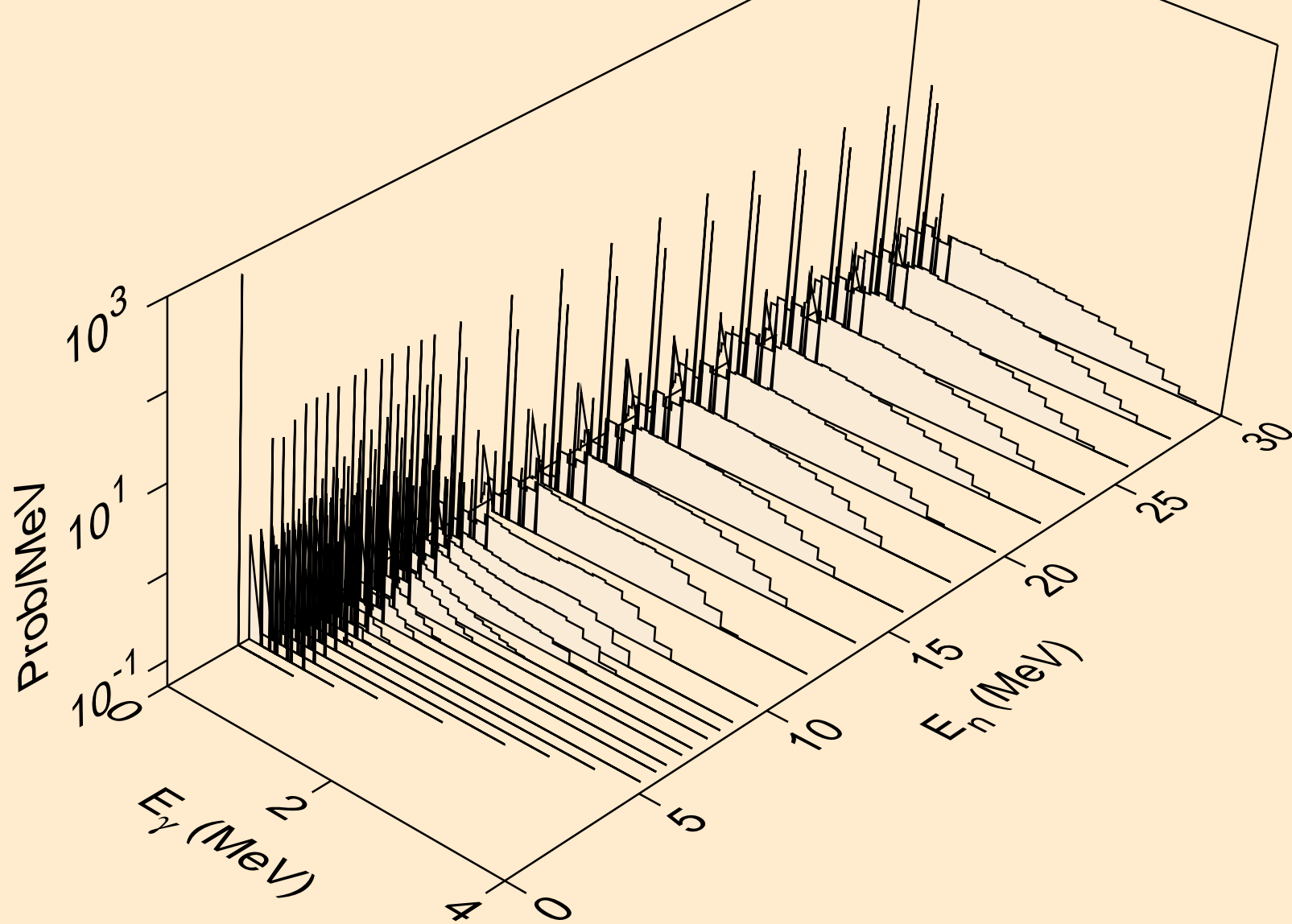
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Photon emission for (n,d)



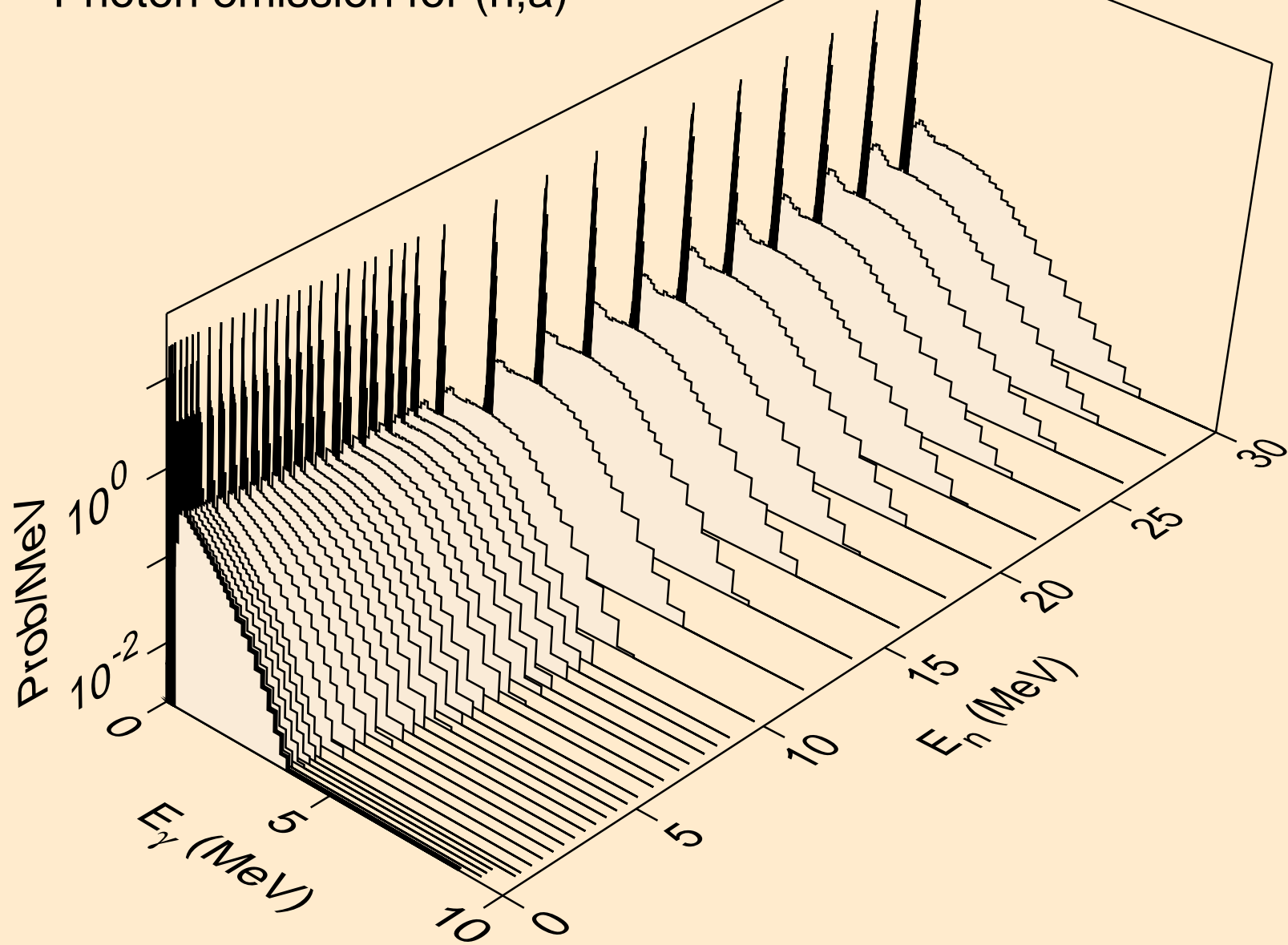
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



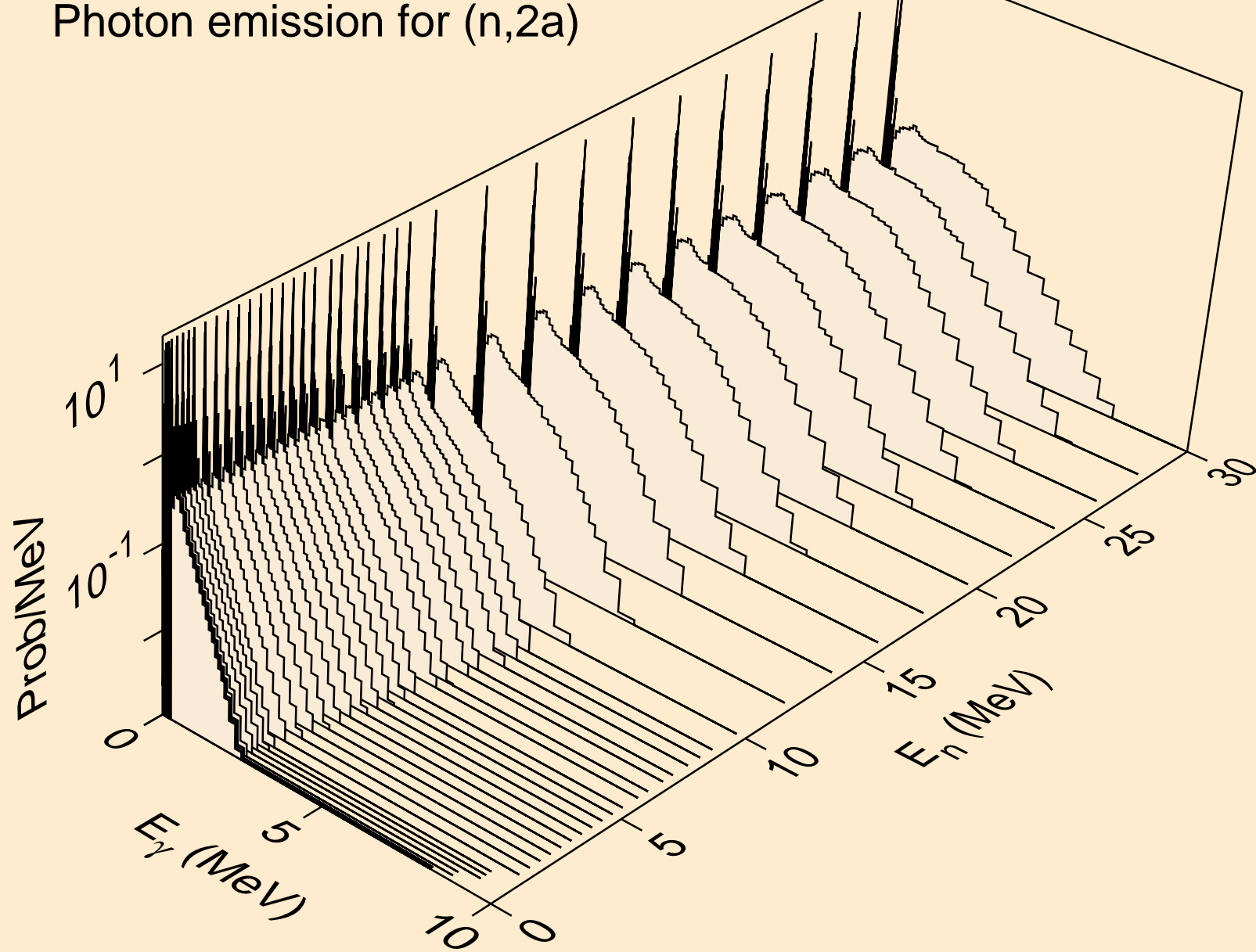
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



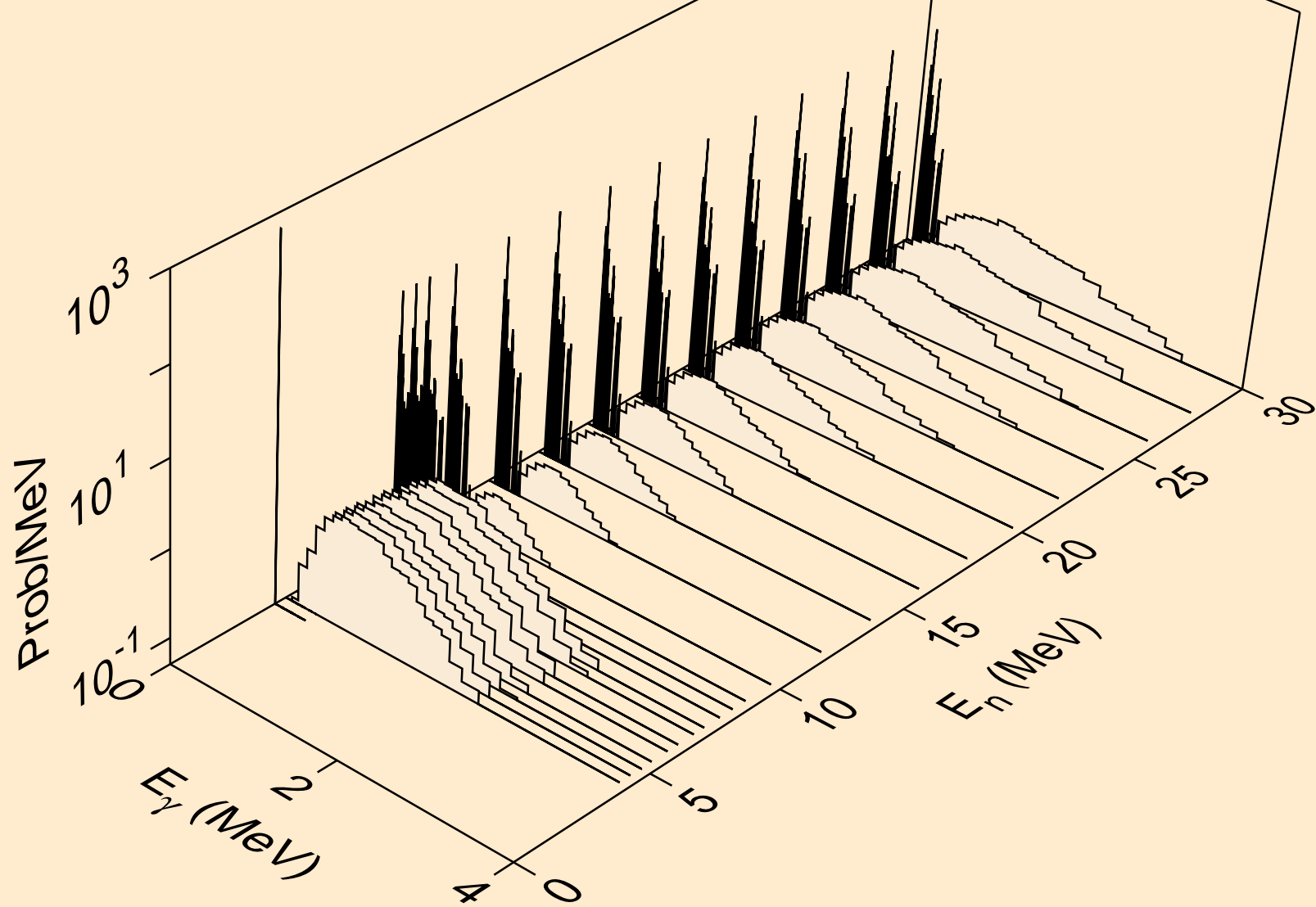
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

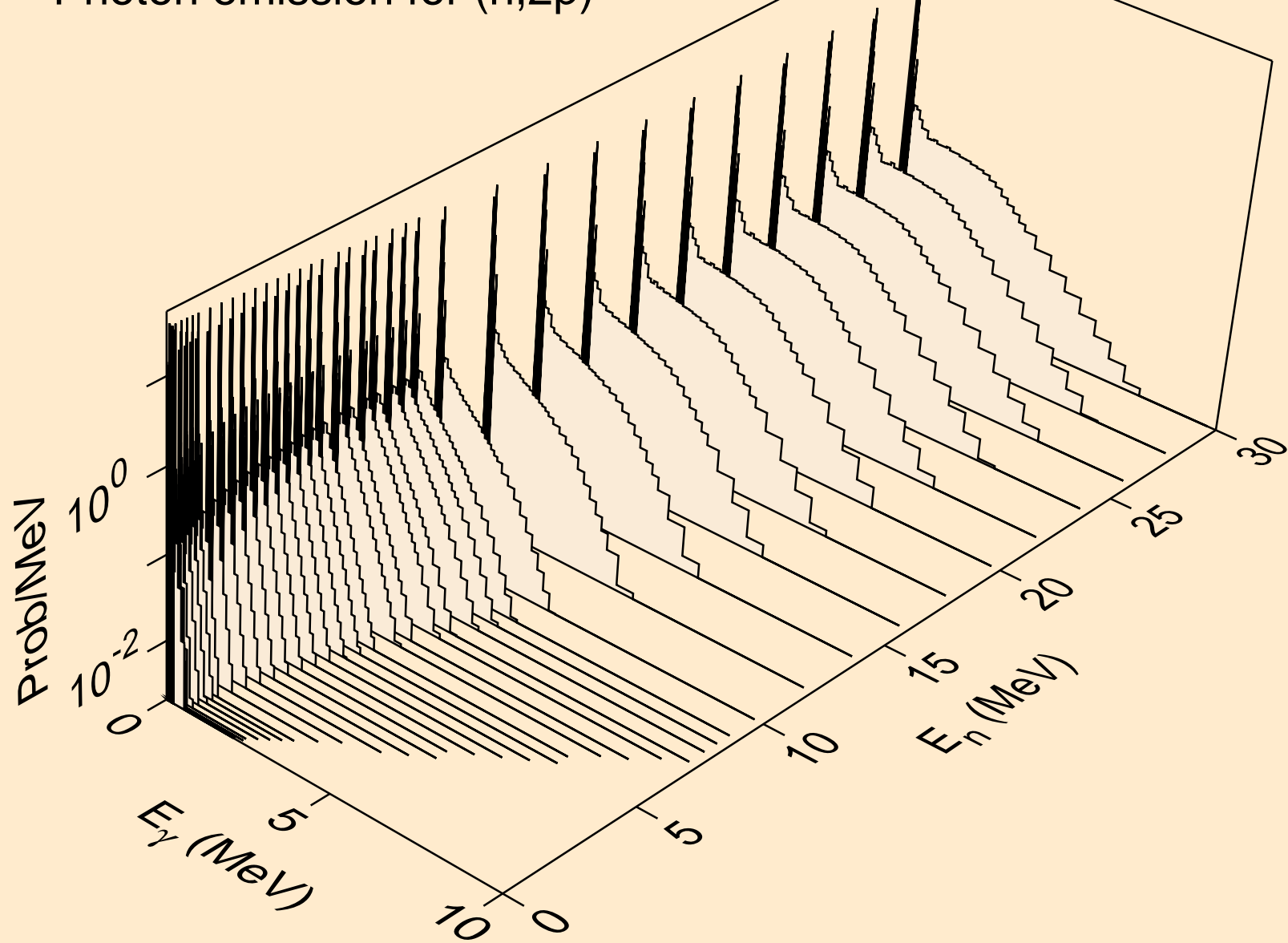


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

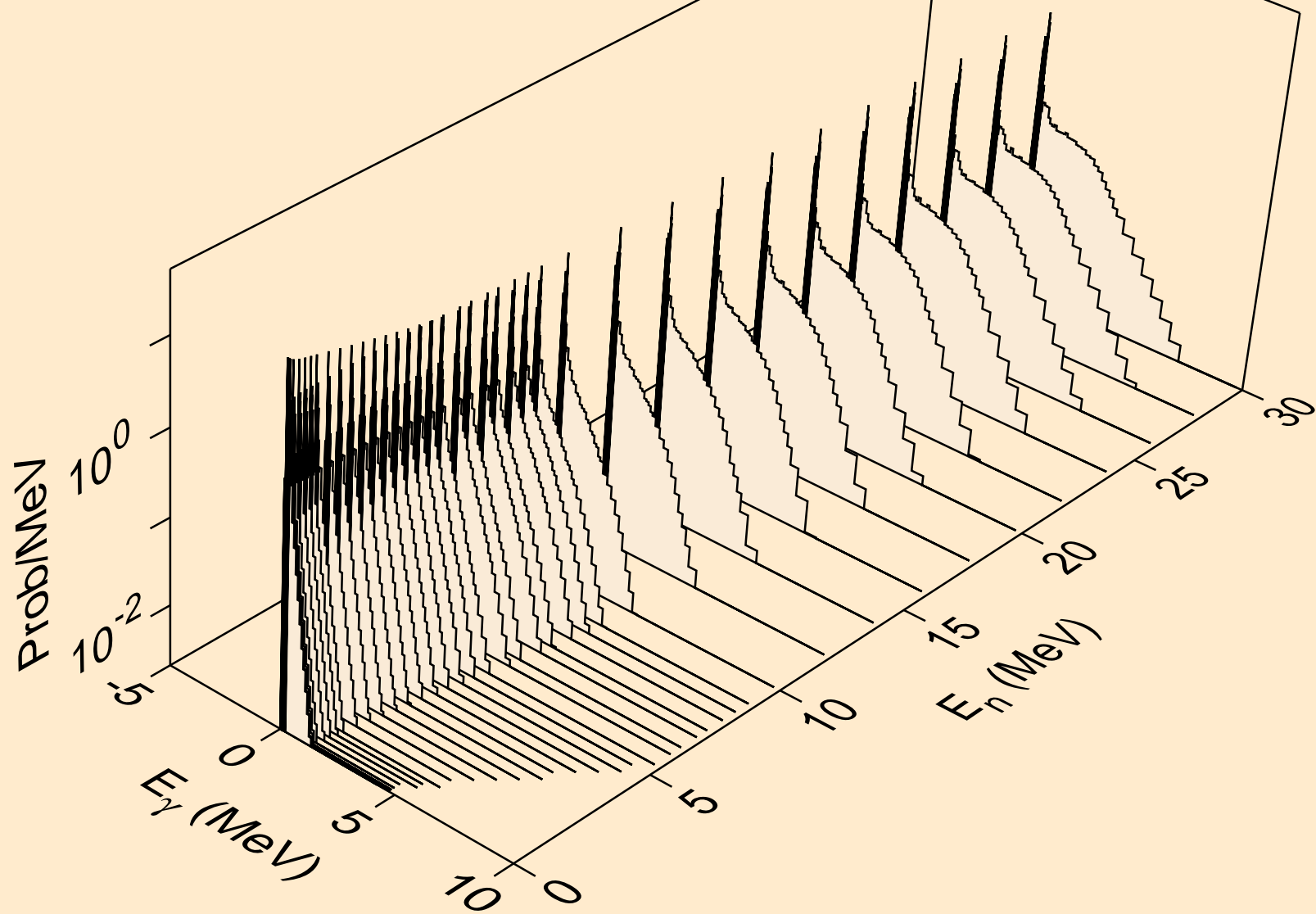




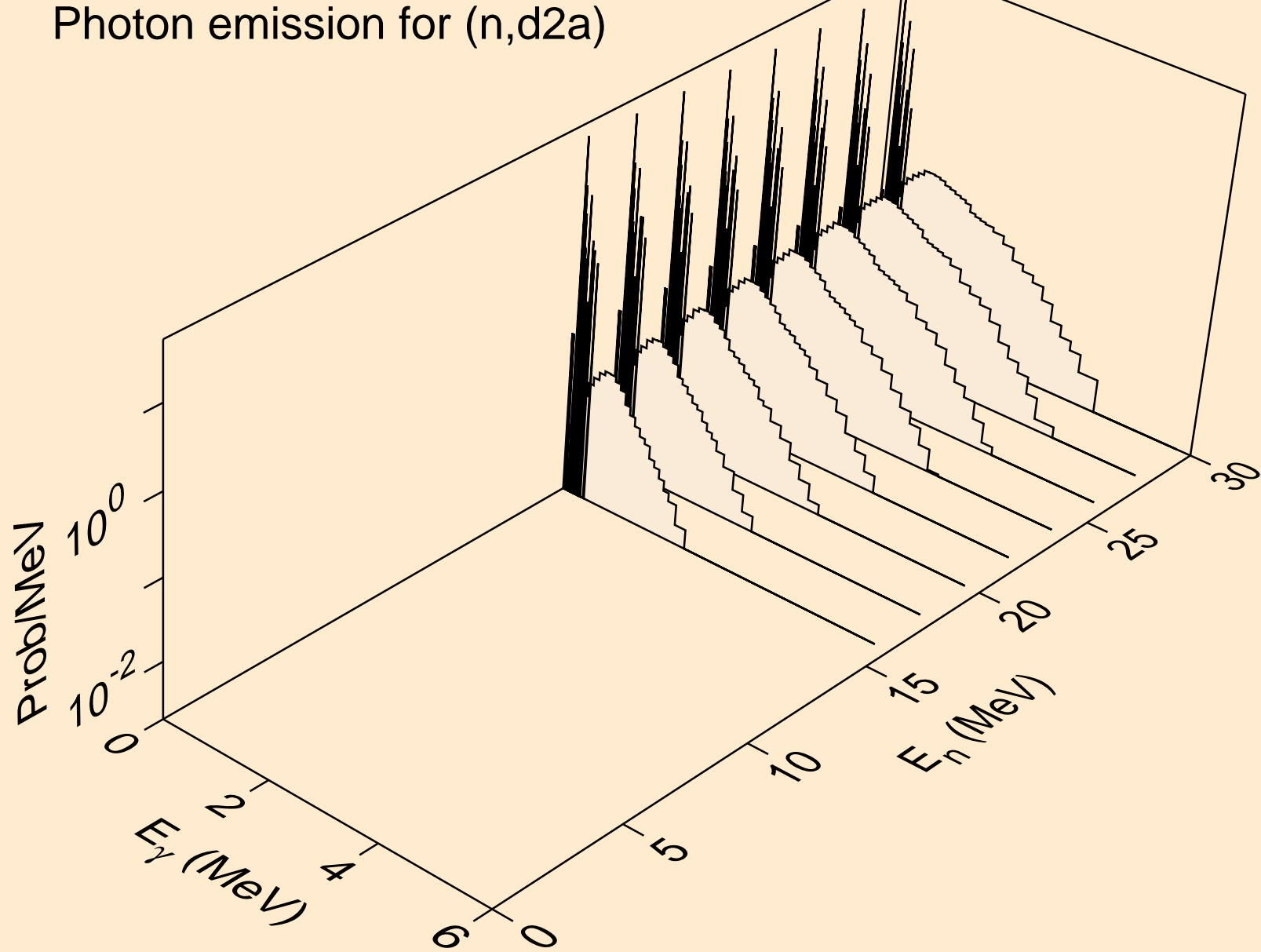
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



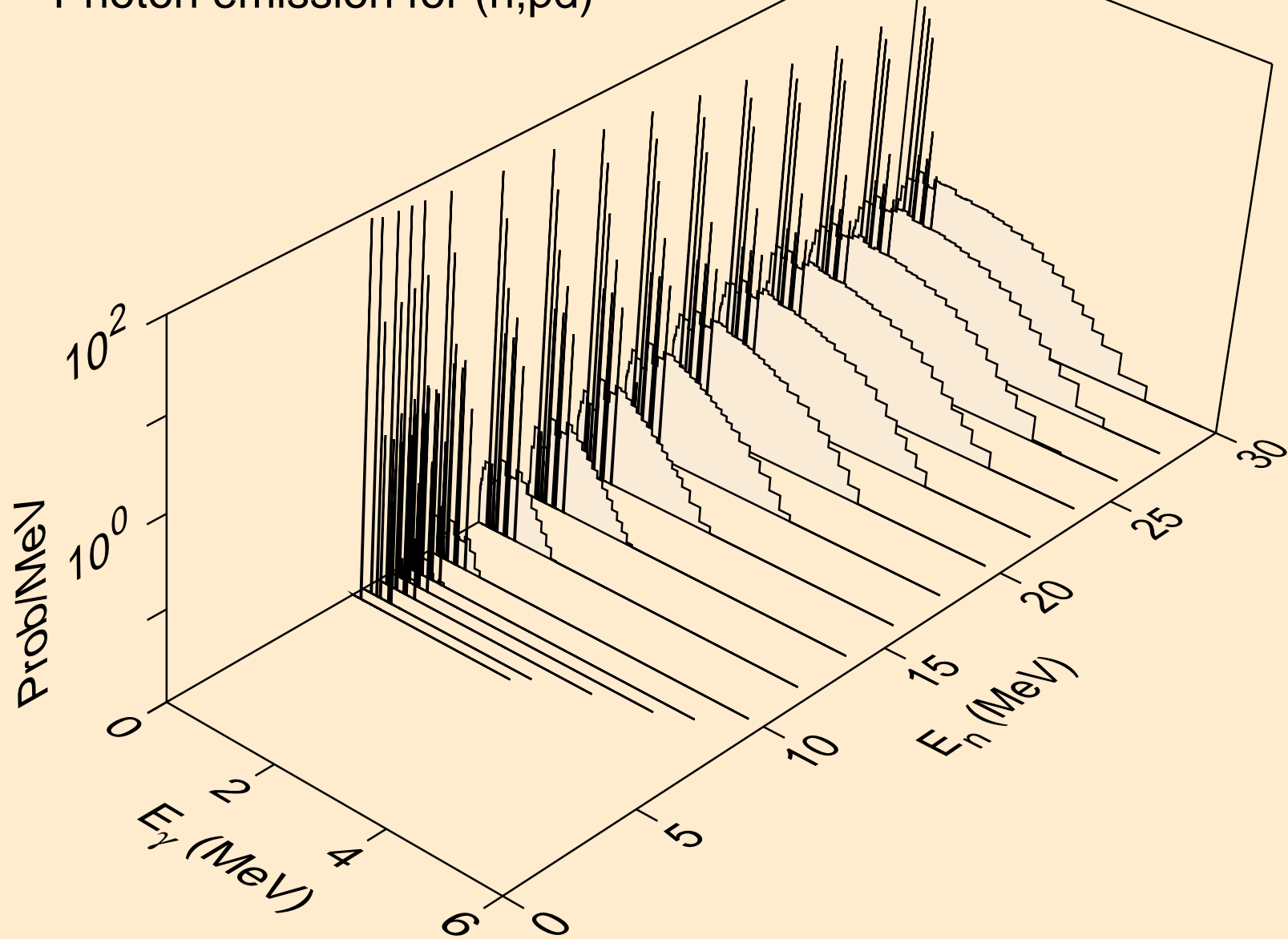
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Photon emission for (n,p $\alpha$ )



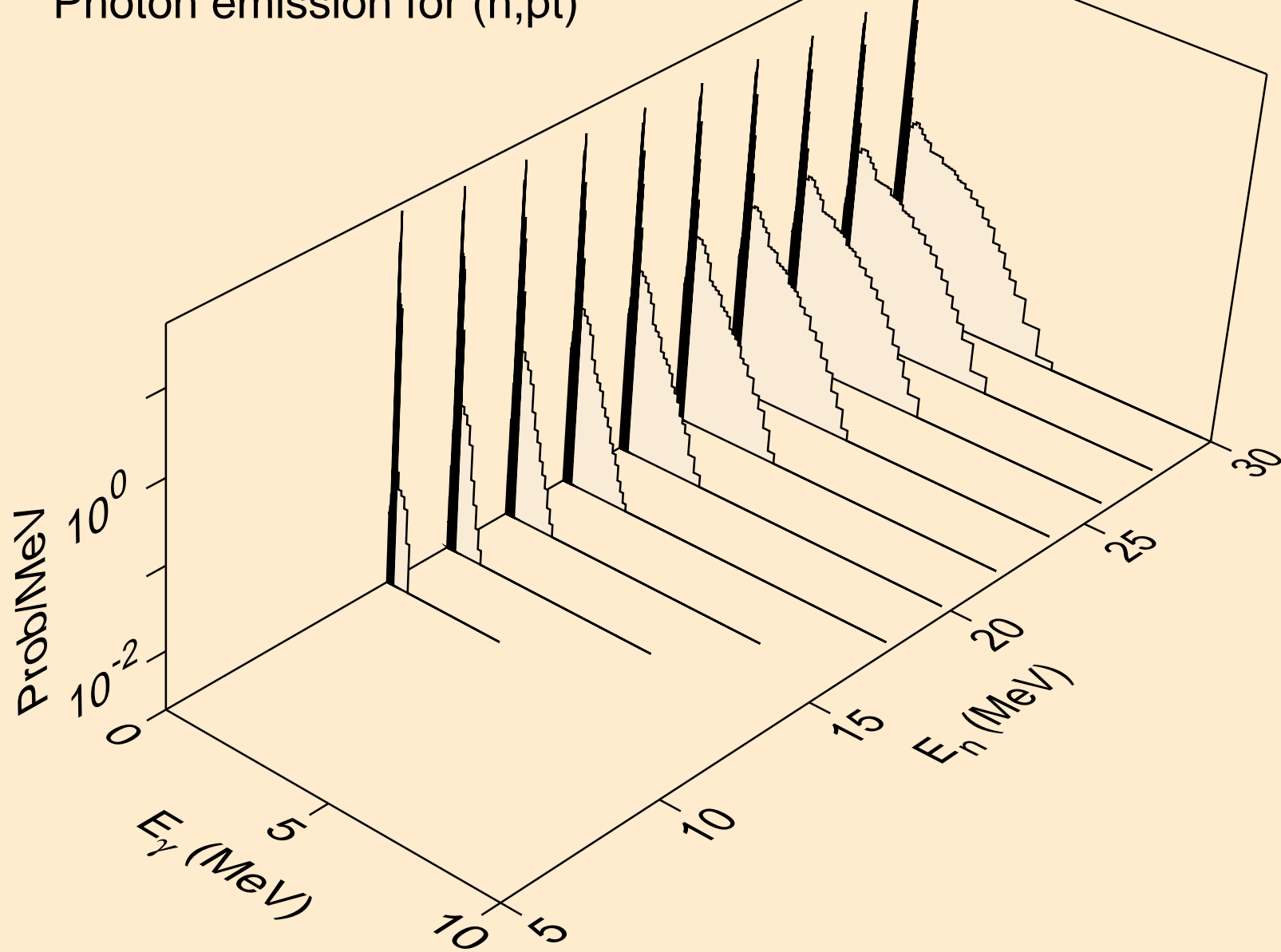
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Photon emission for (n,d2a)



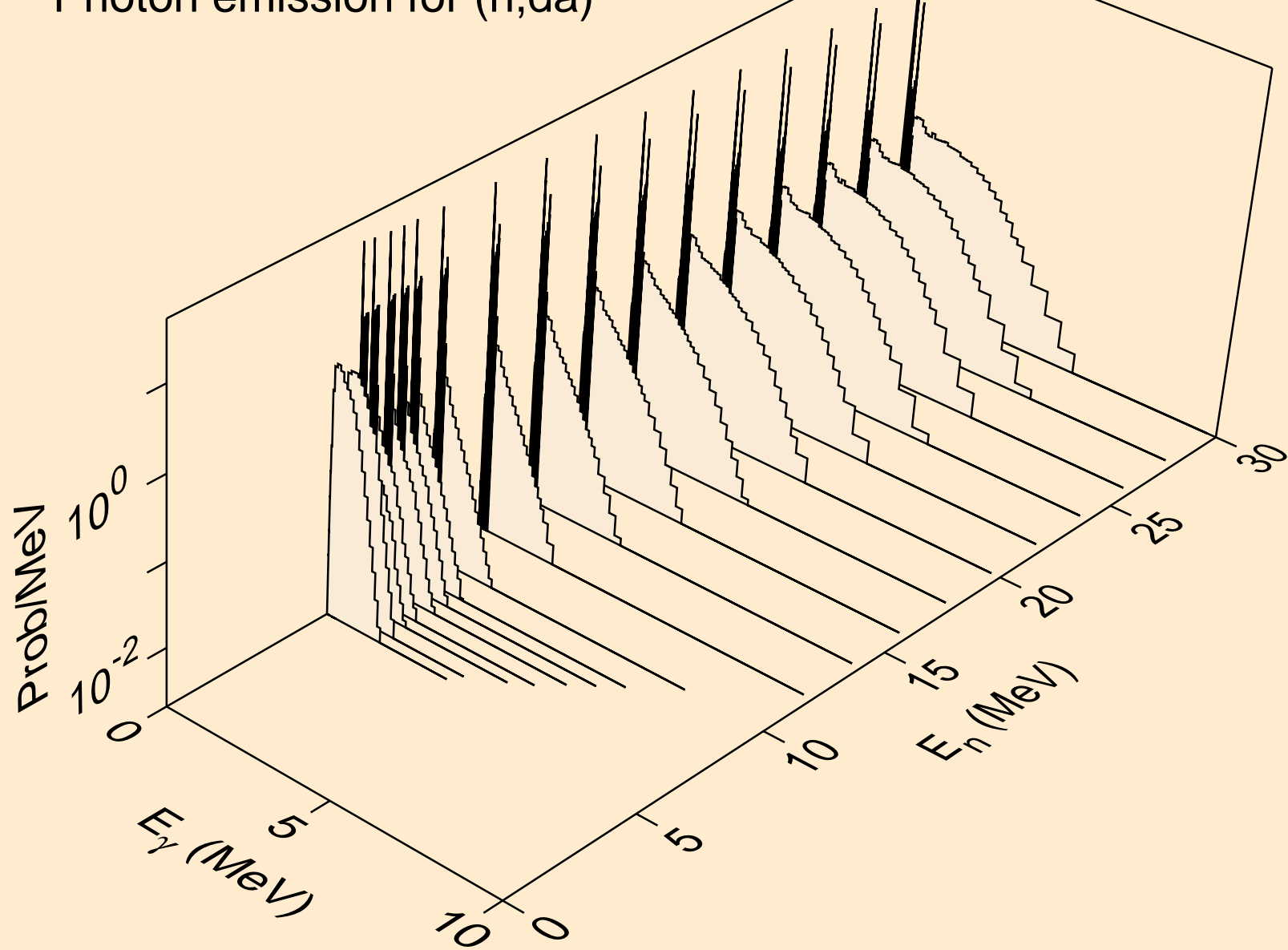
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



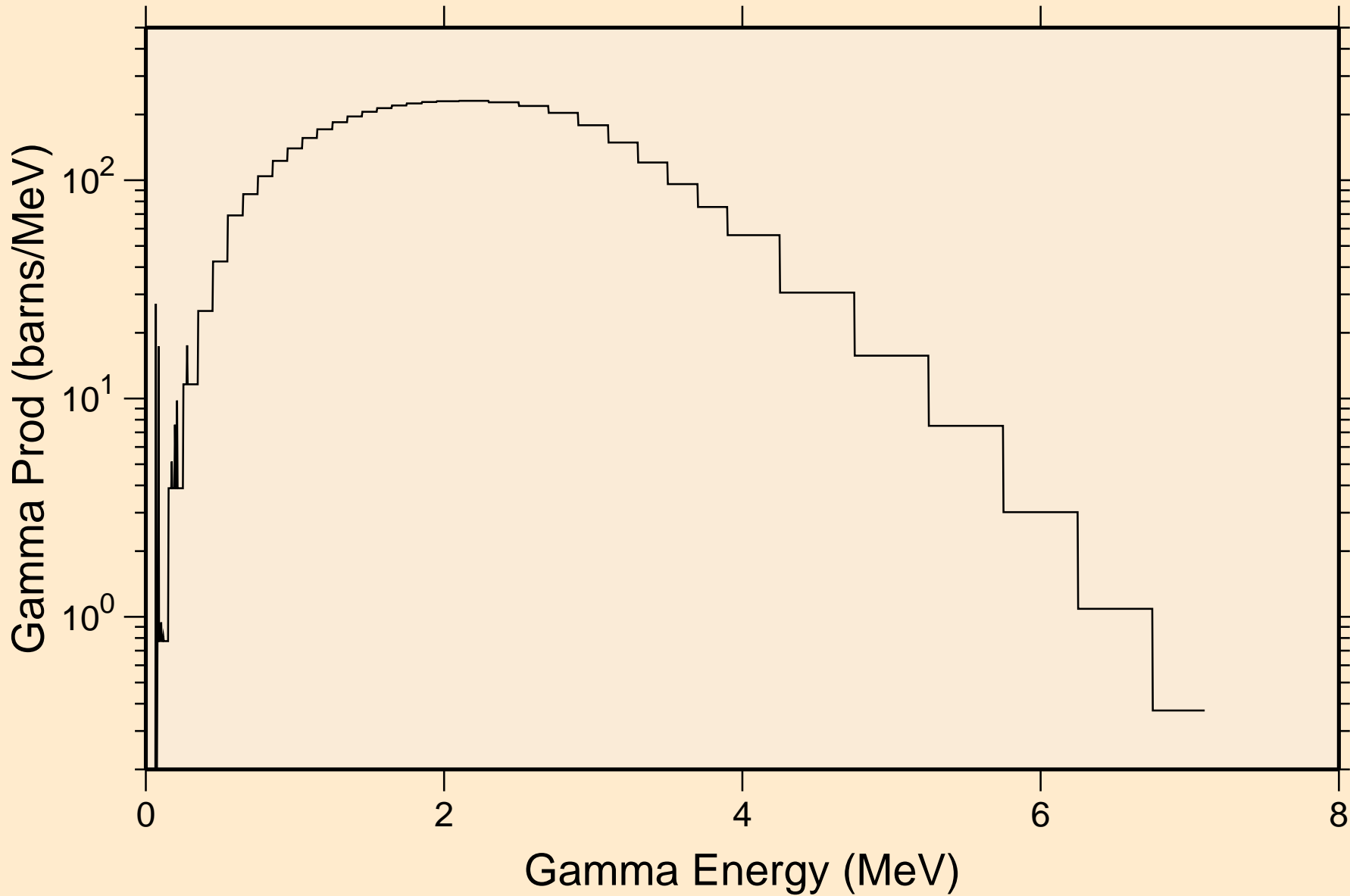
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



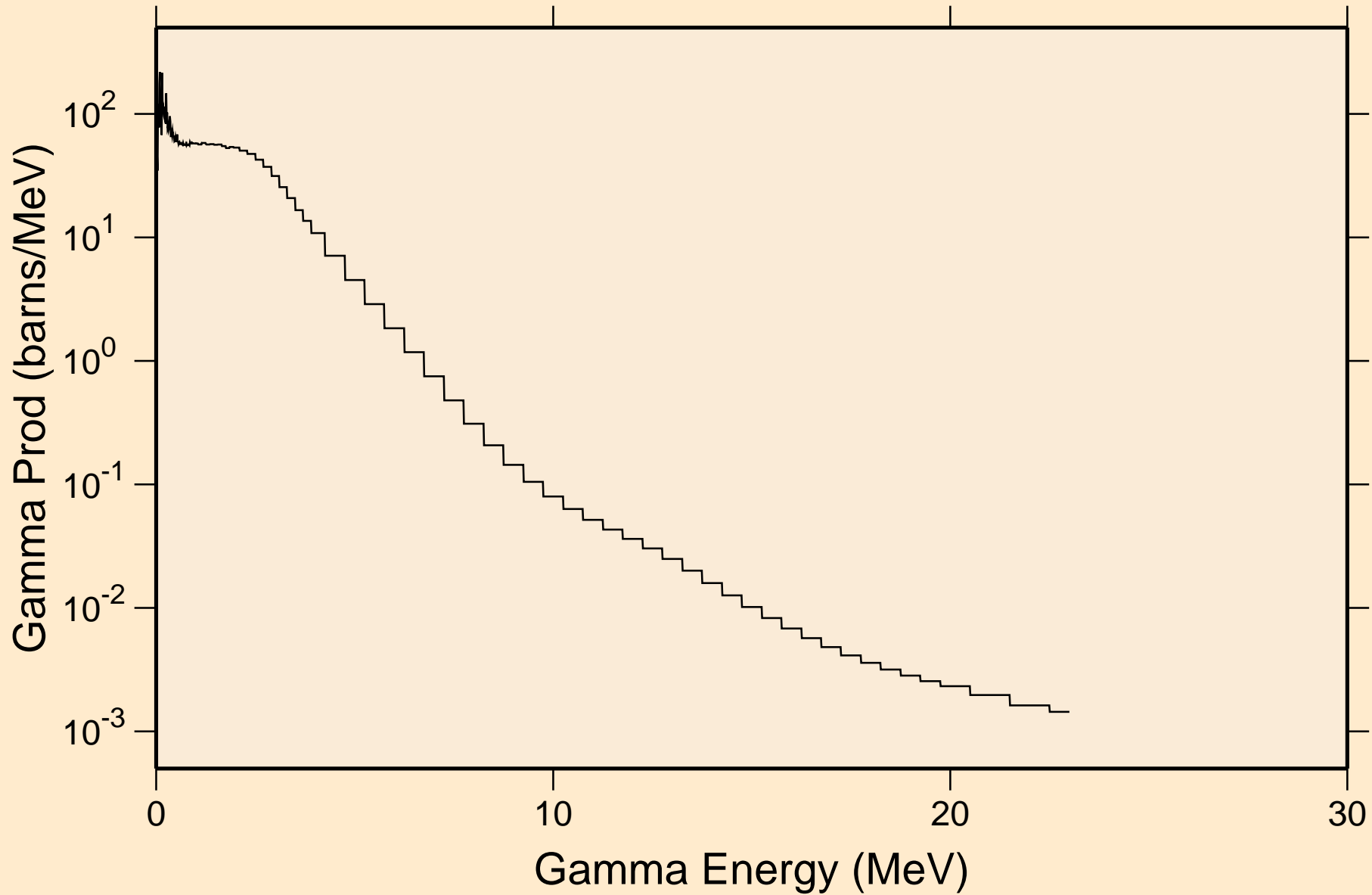
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



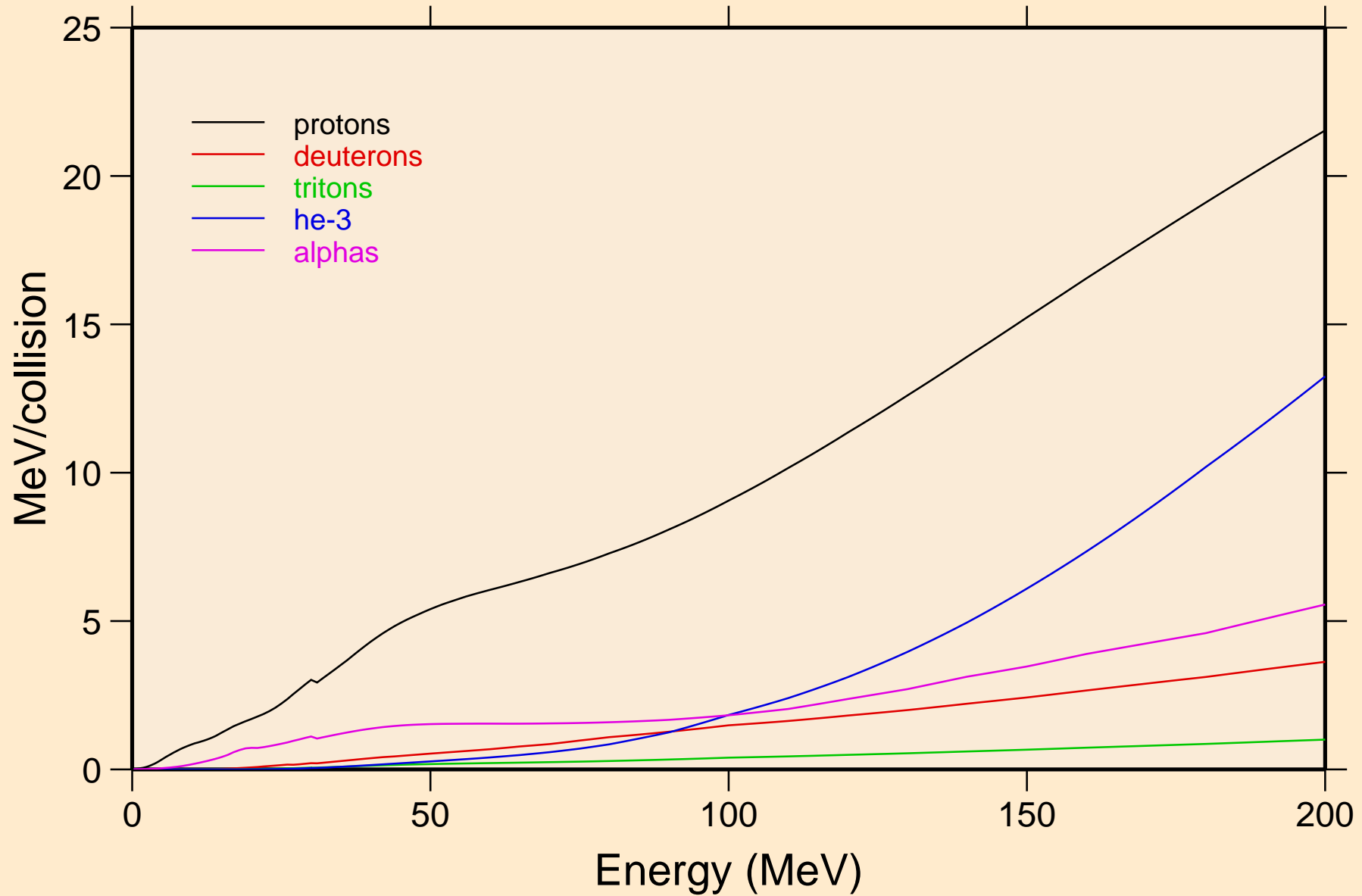
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum





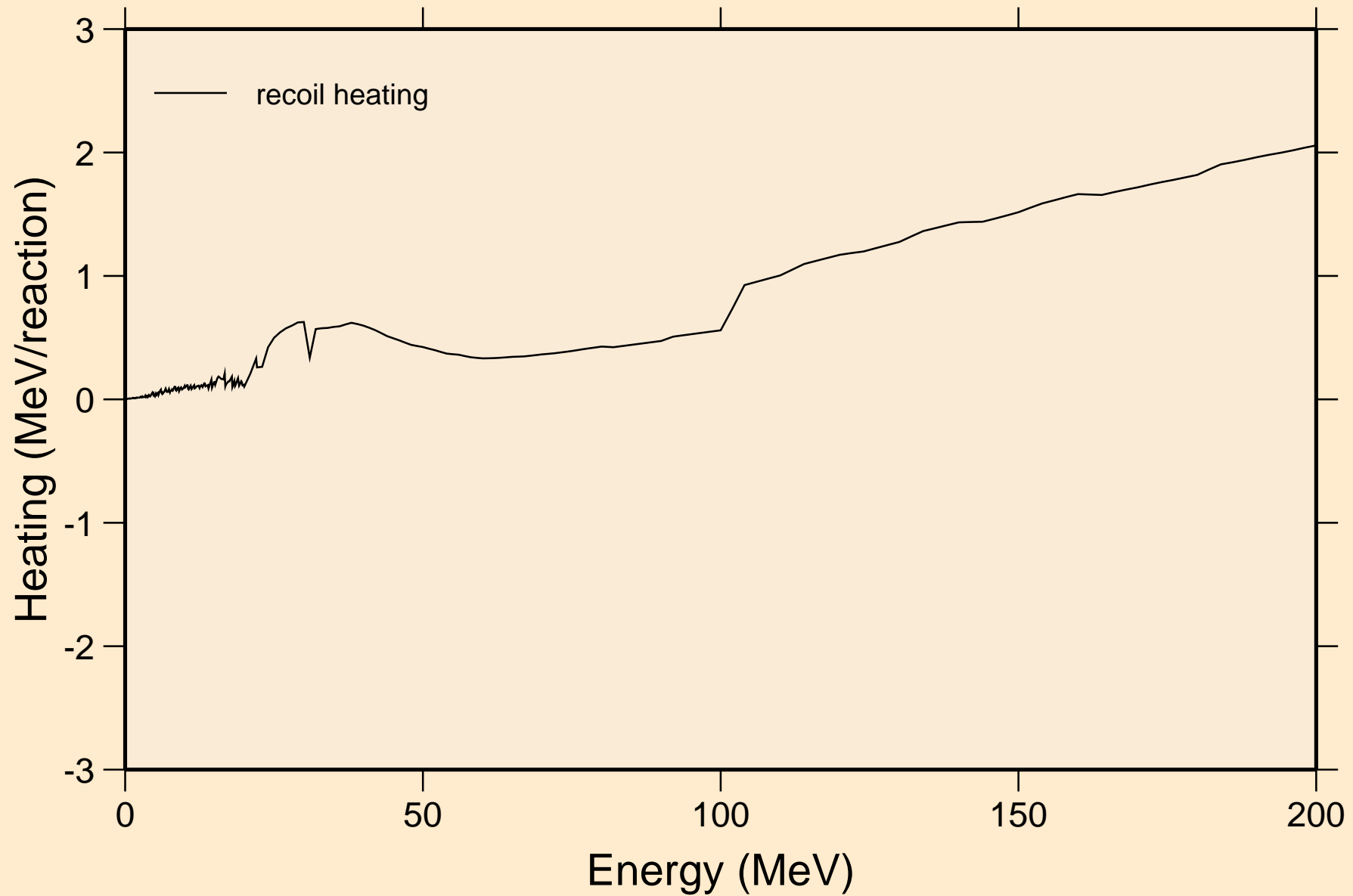
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## Particle heating contributions



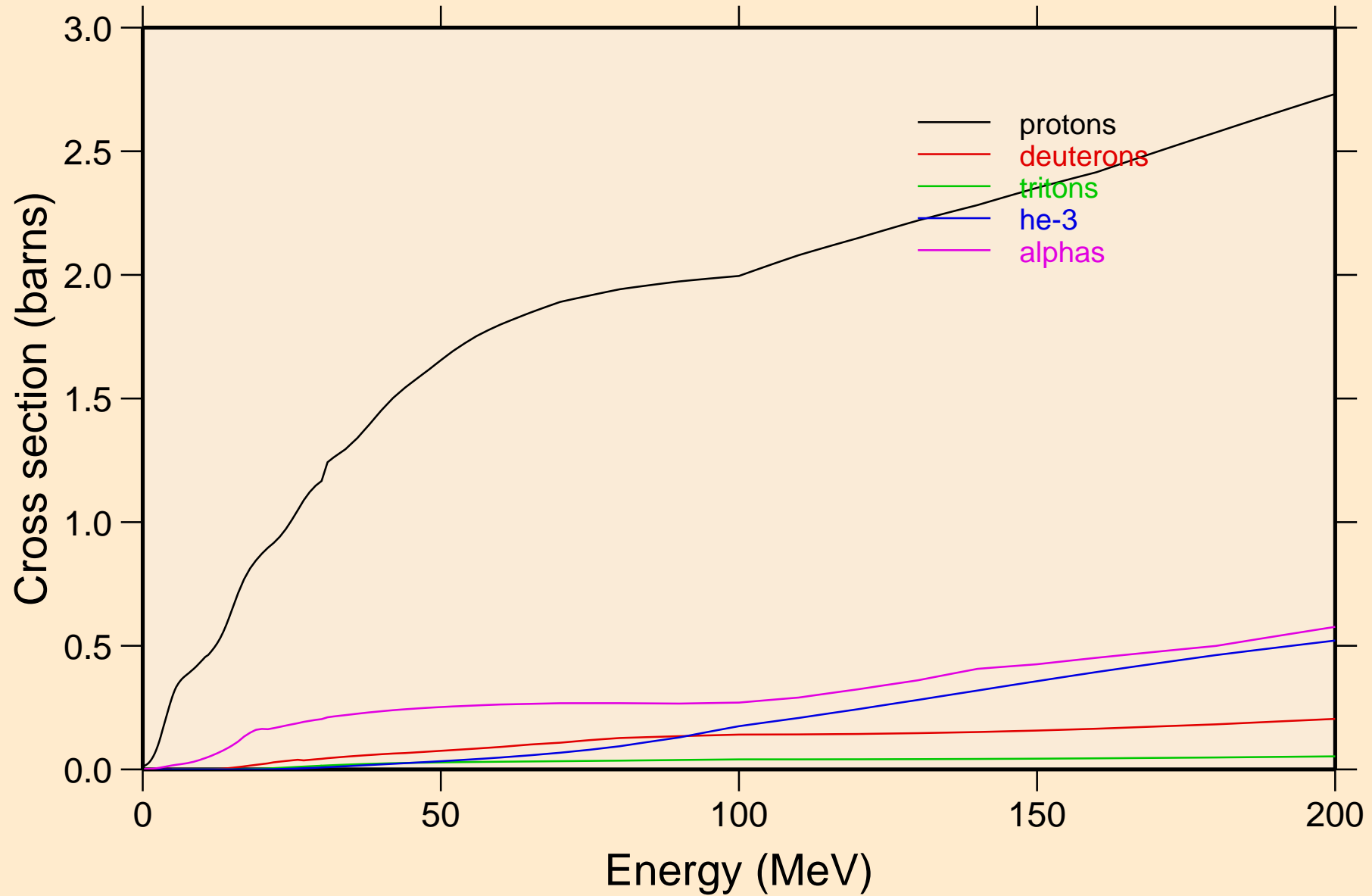
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## Recoil Heating

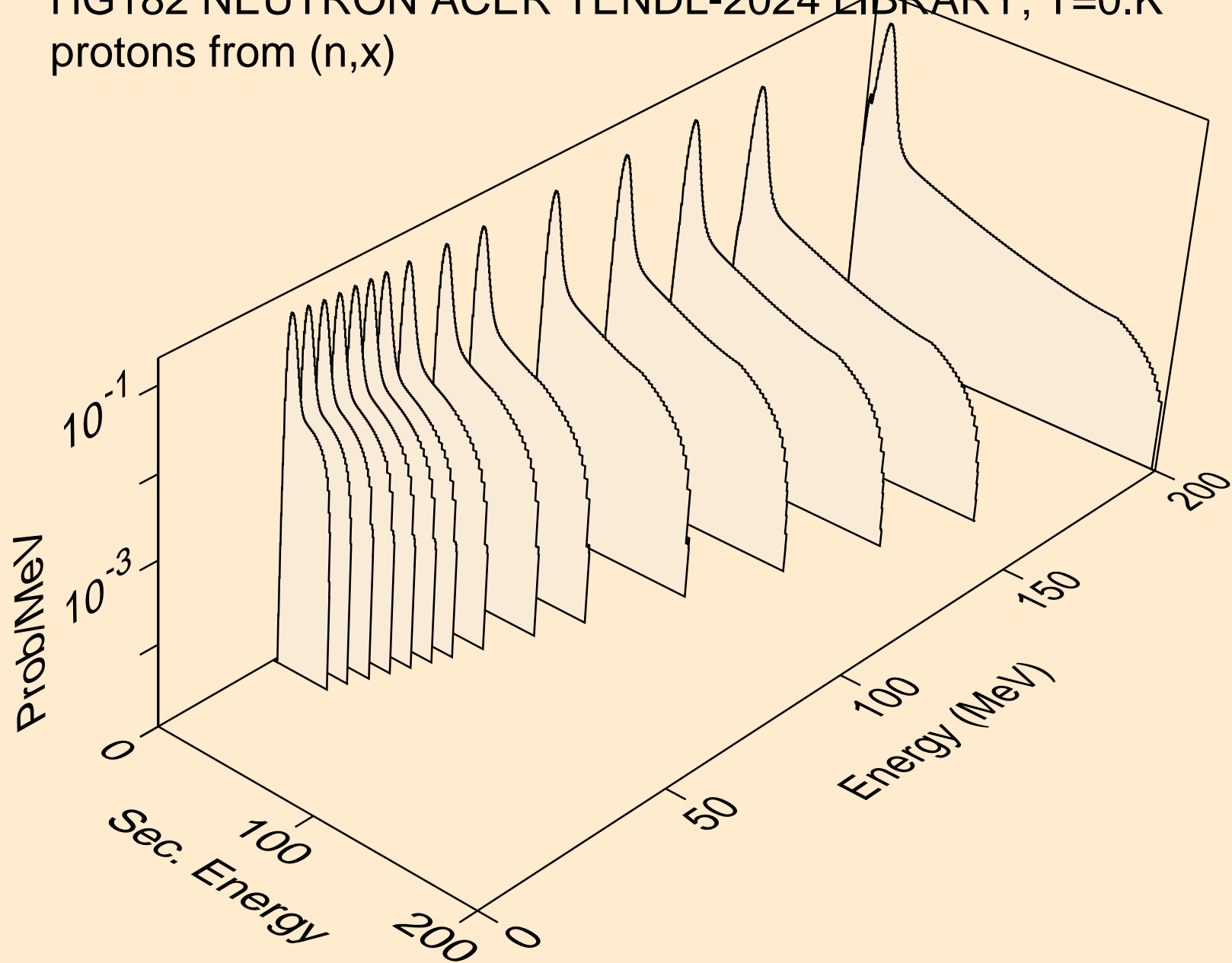


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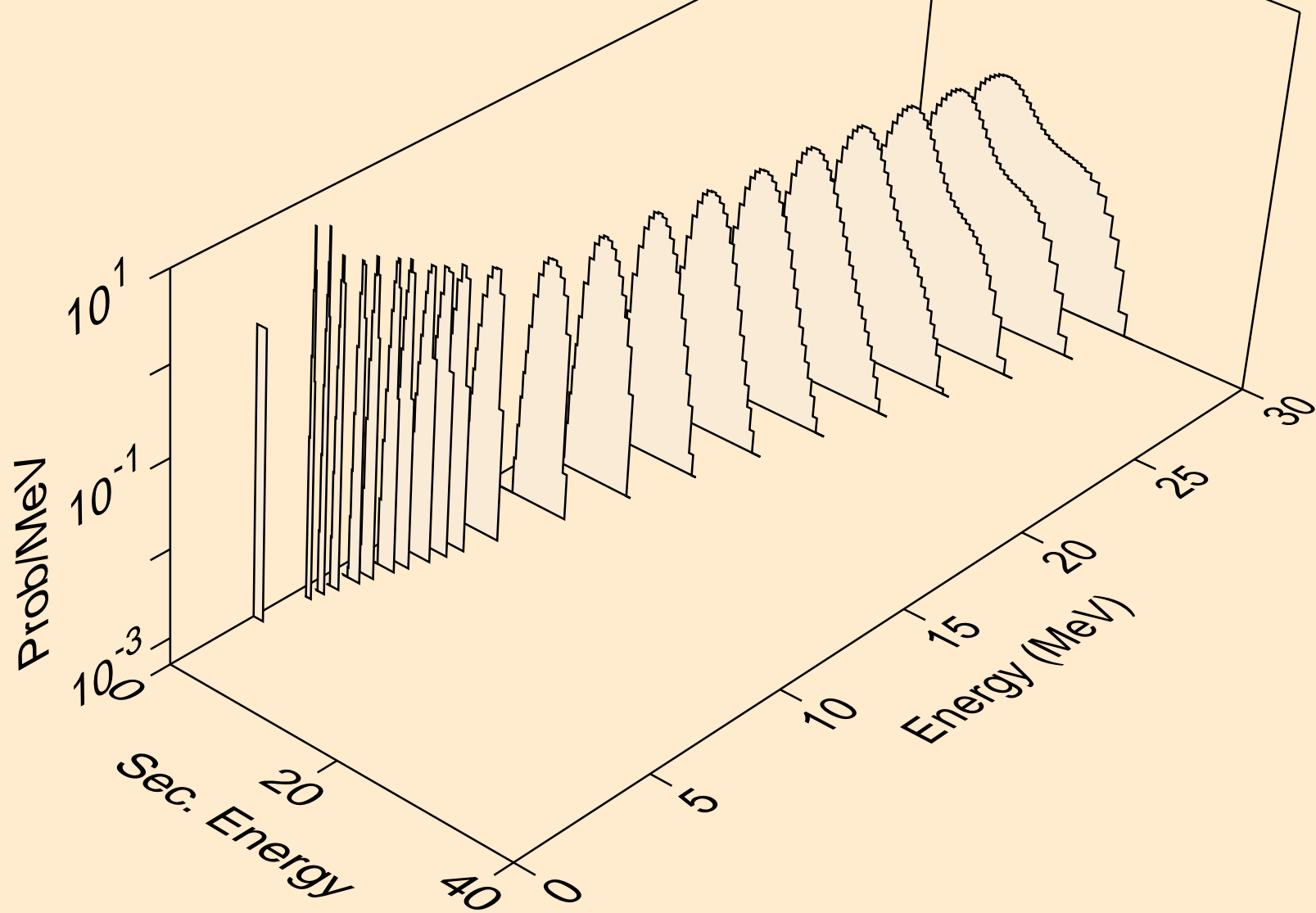
## Particle production cross sections



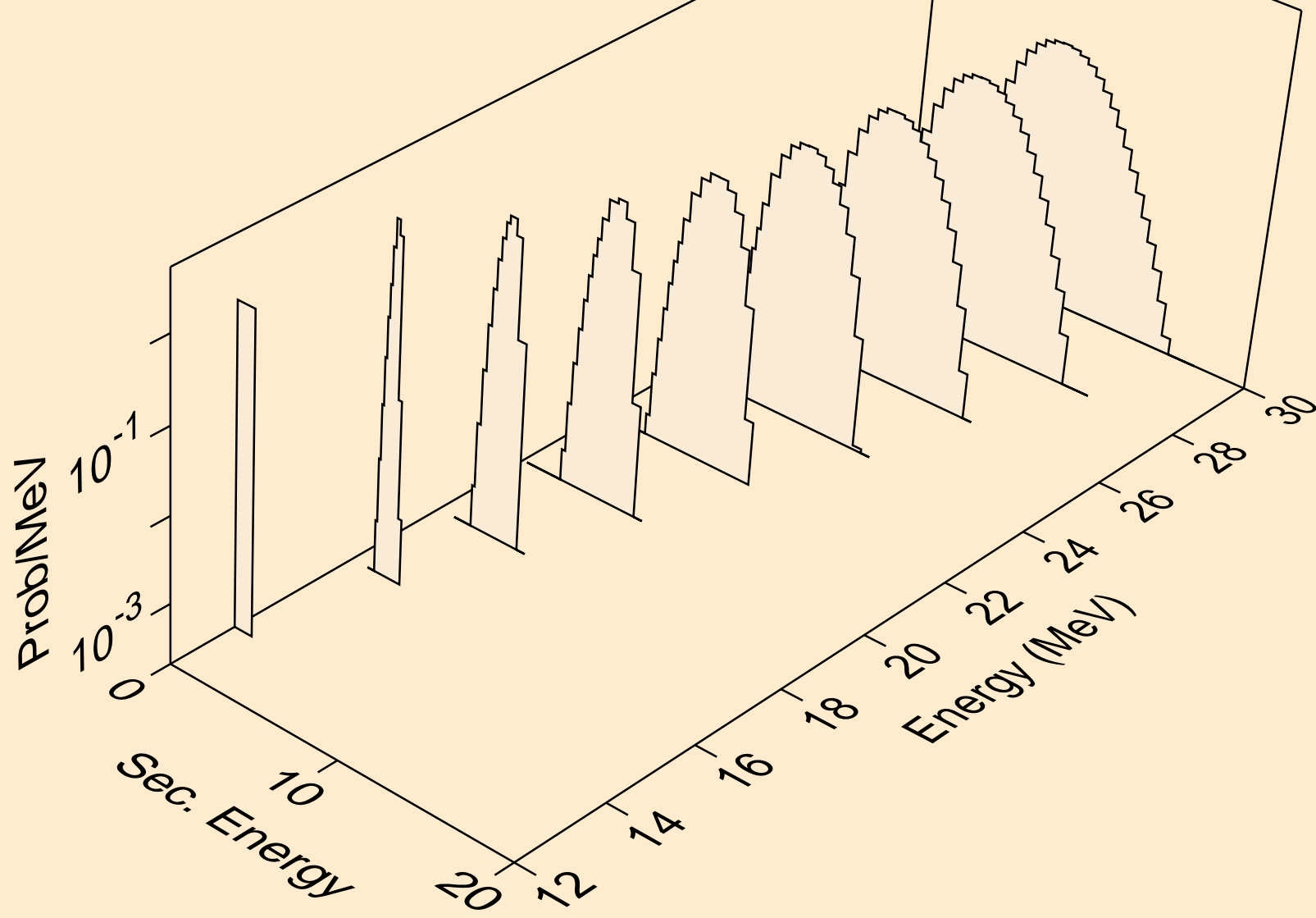
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



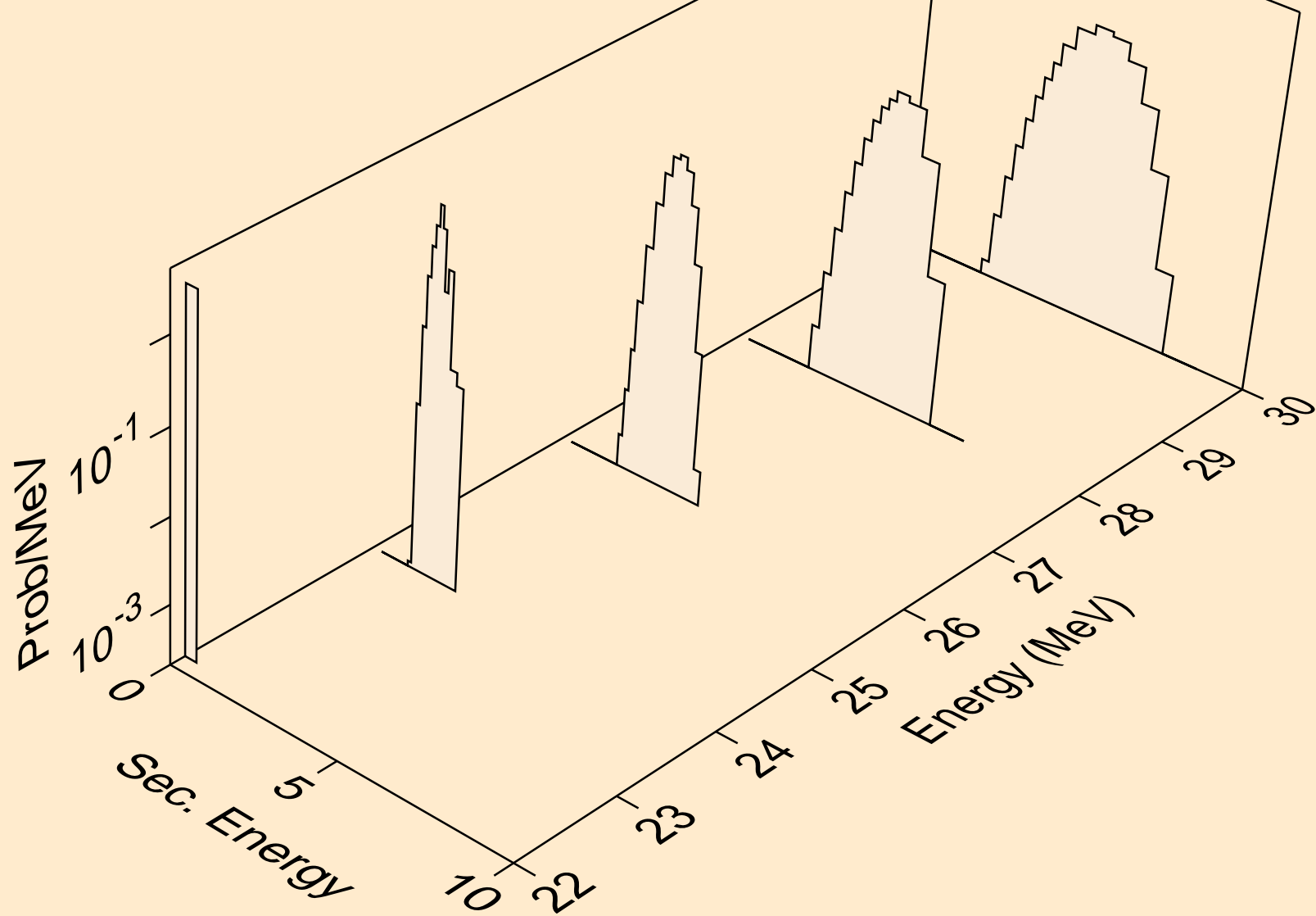
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



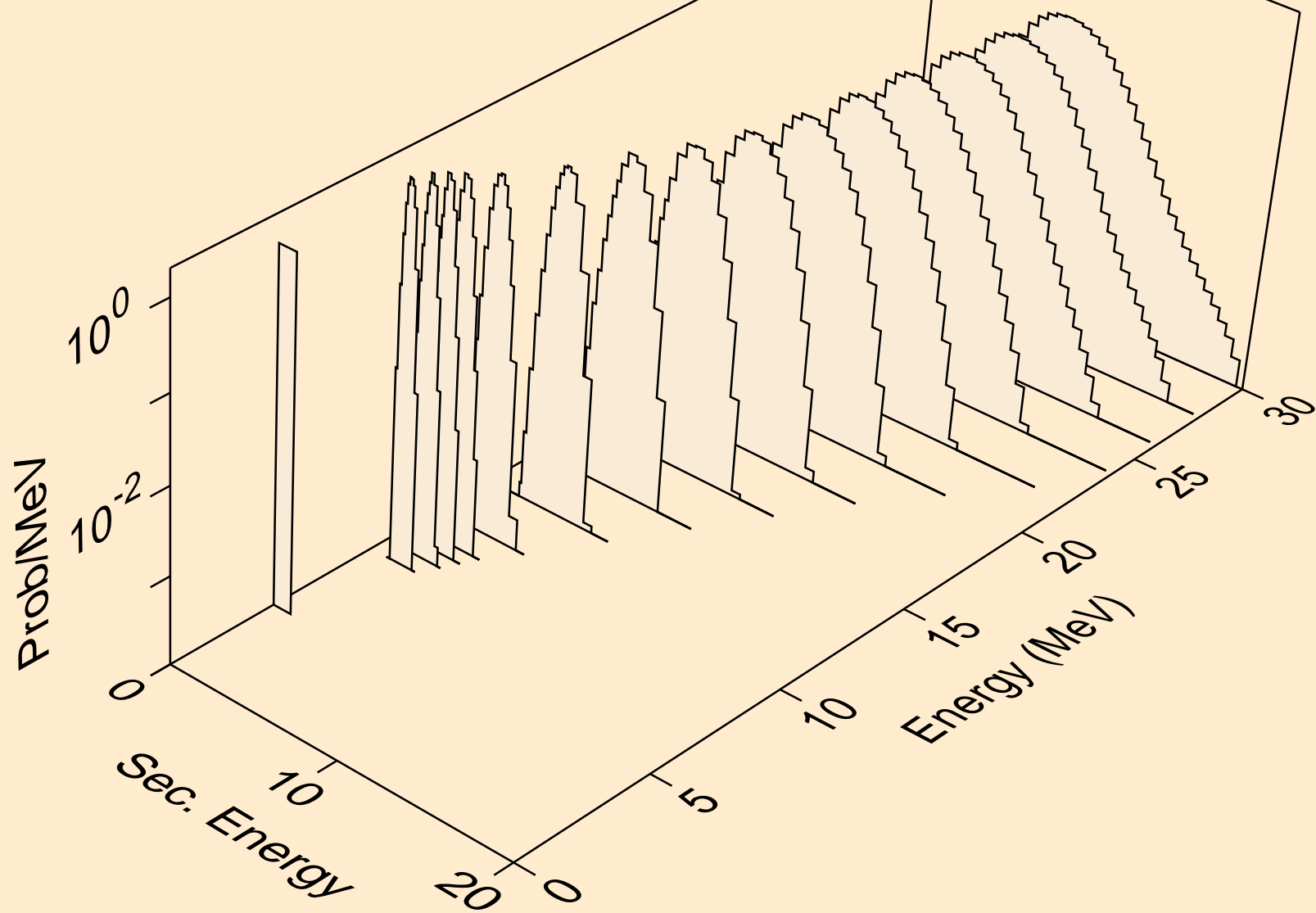
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

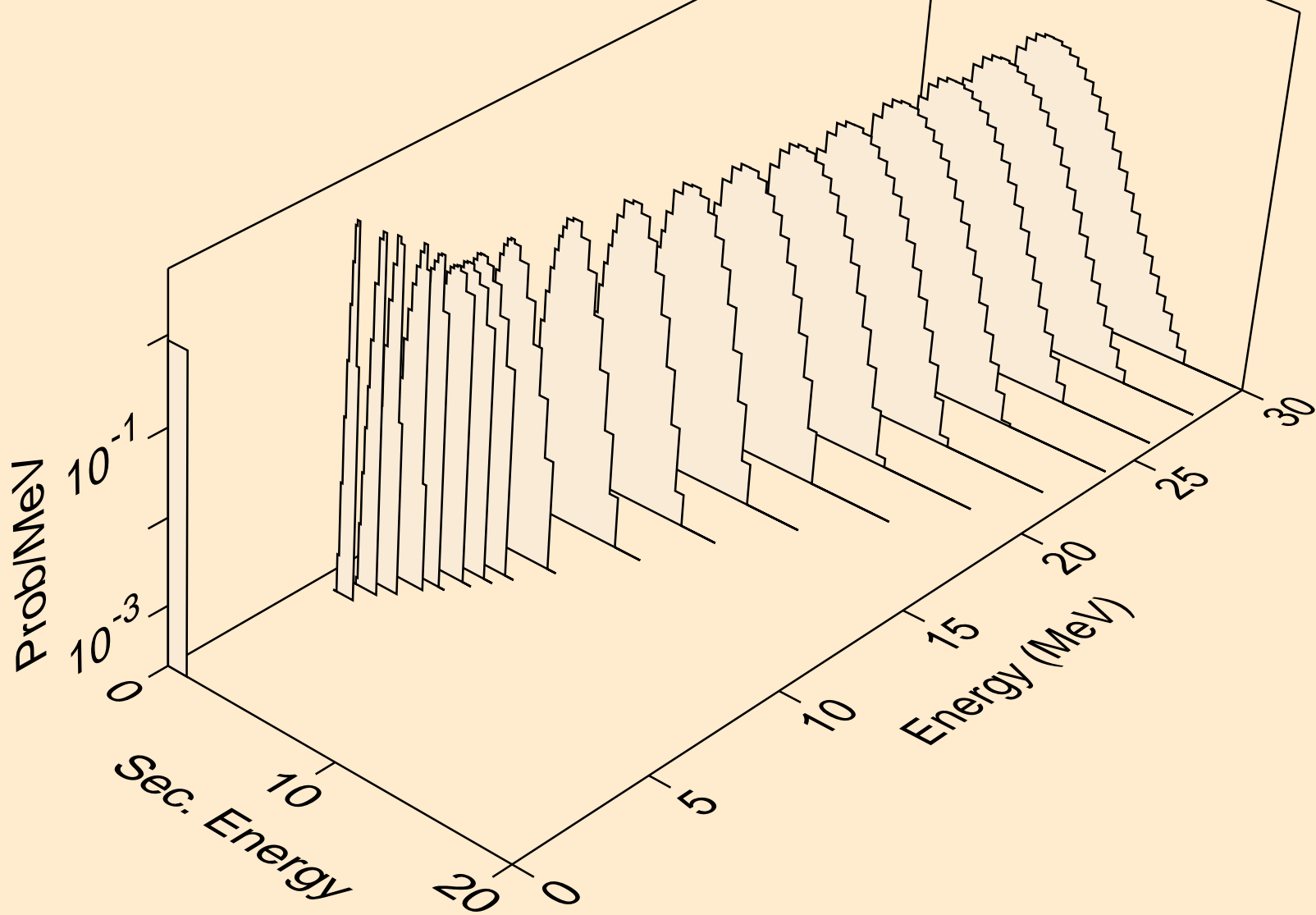


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

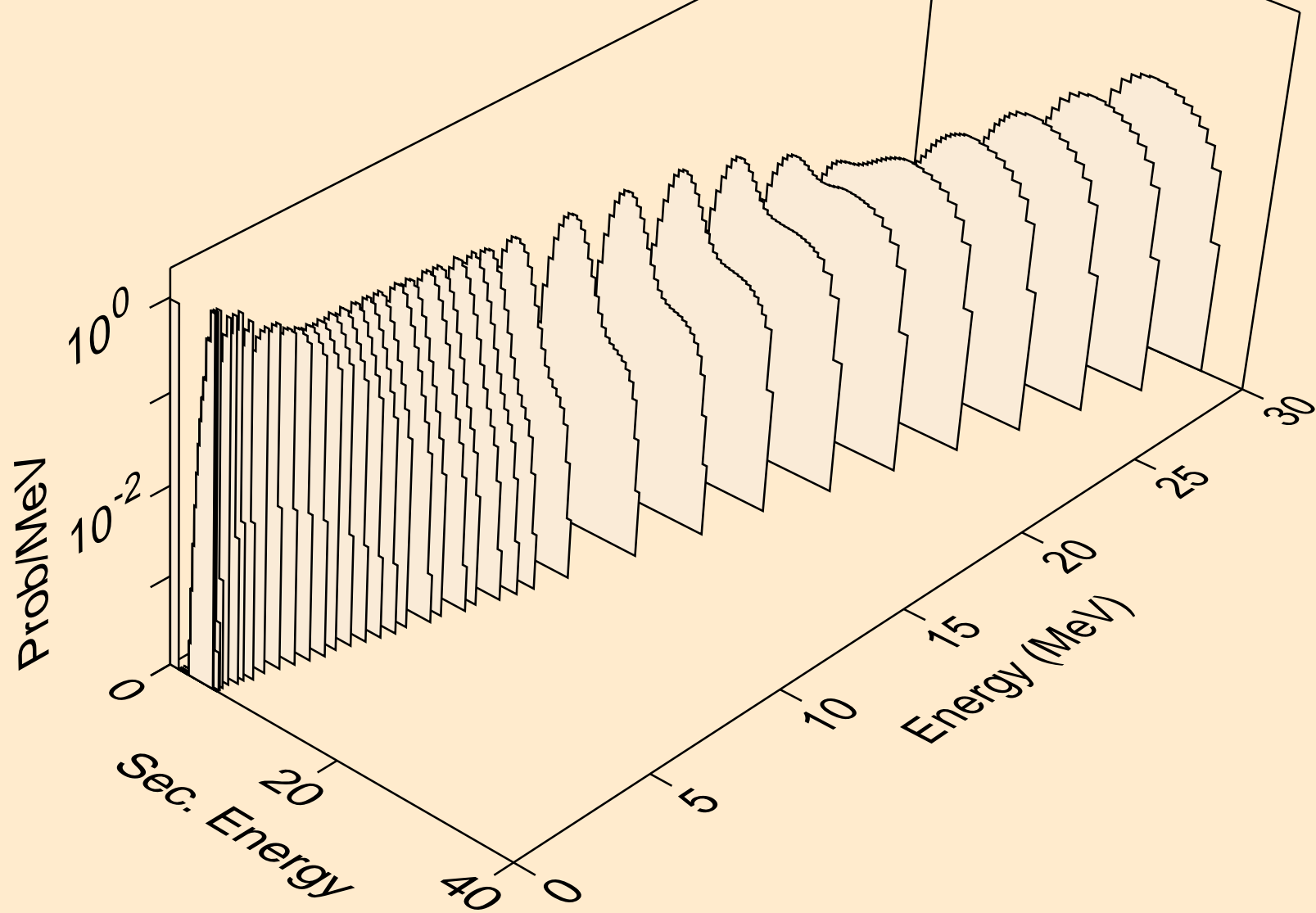




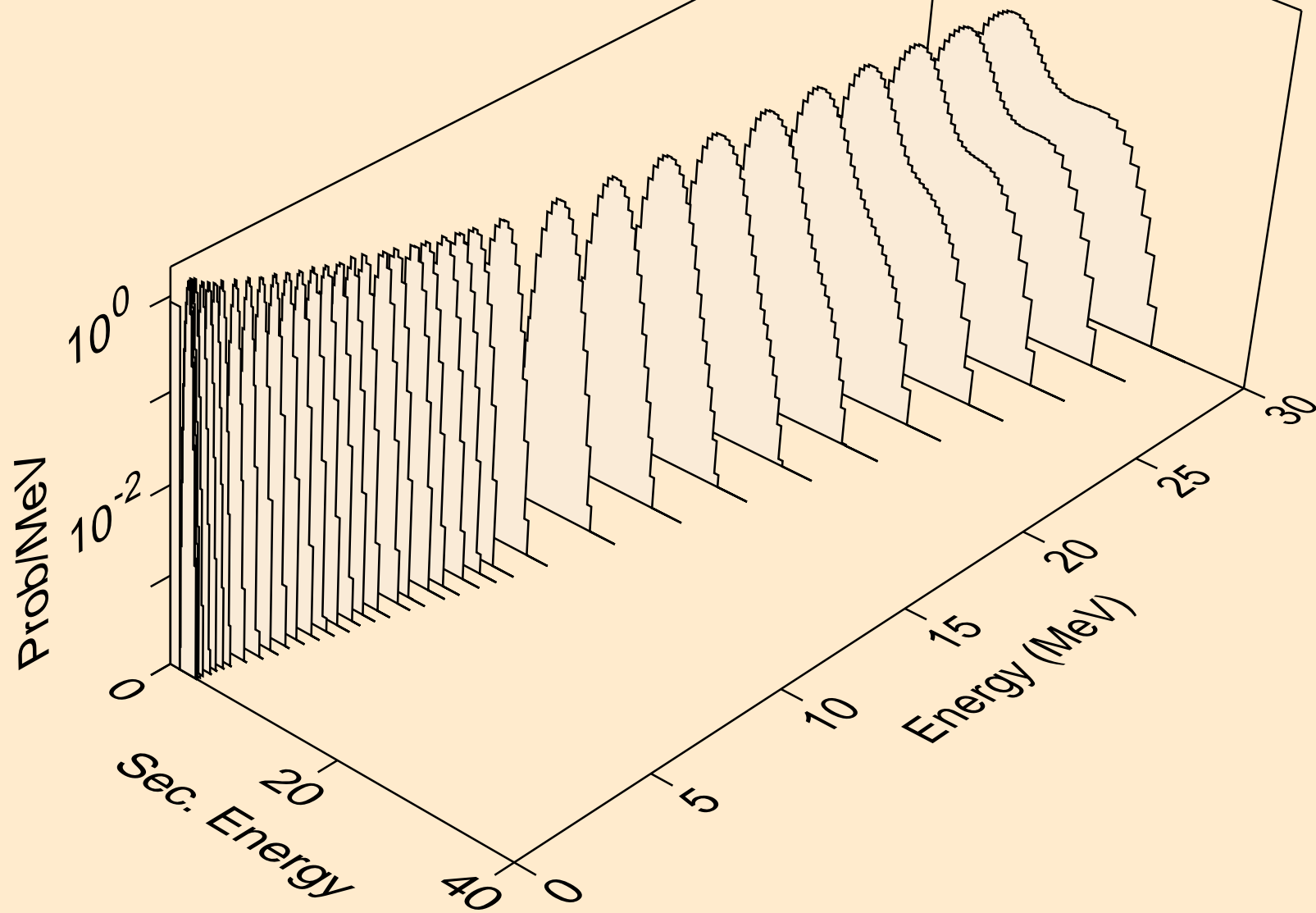
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protons from (n,npa)



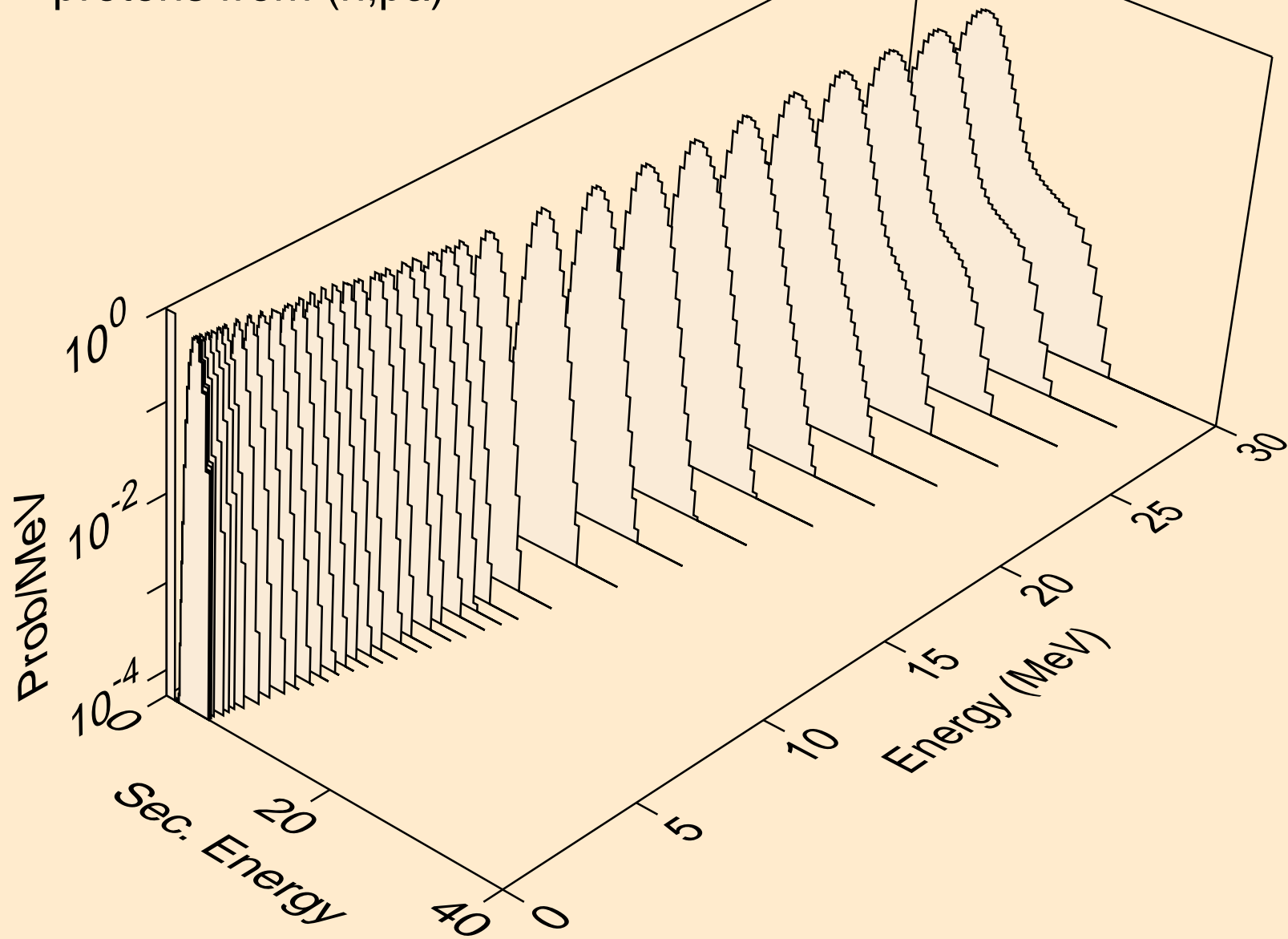
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protons from (n,p)



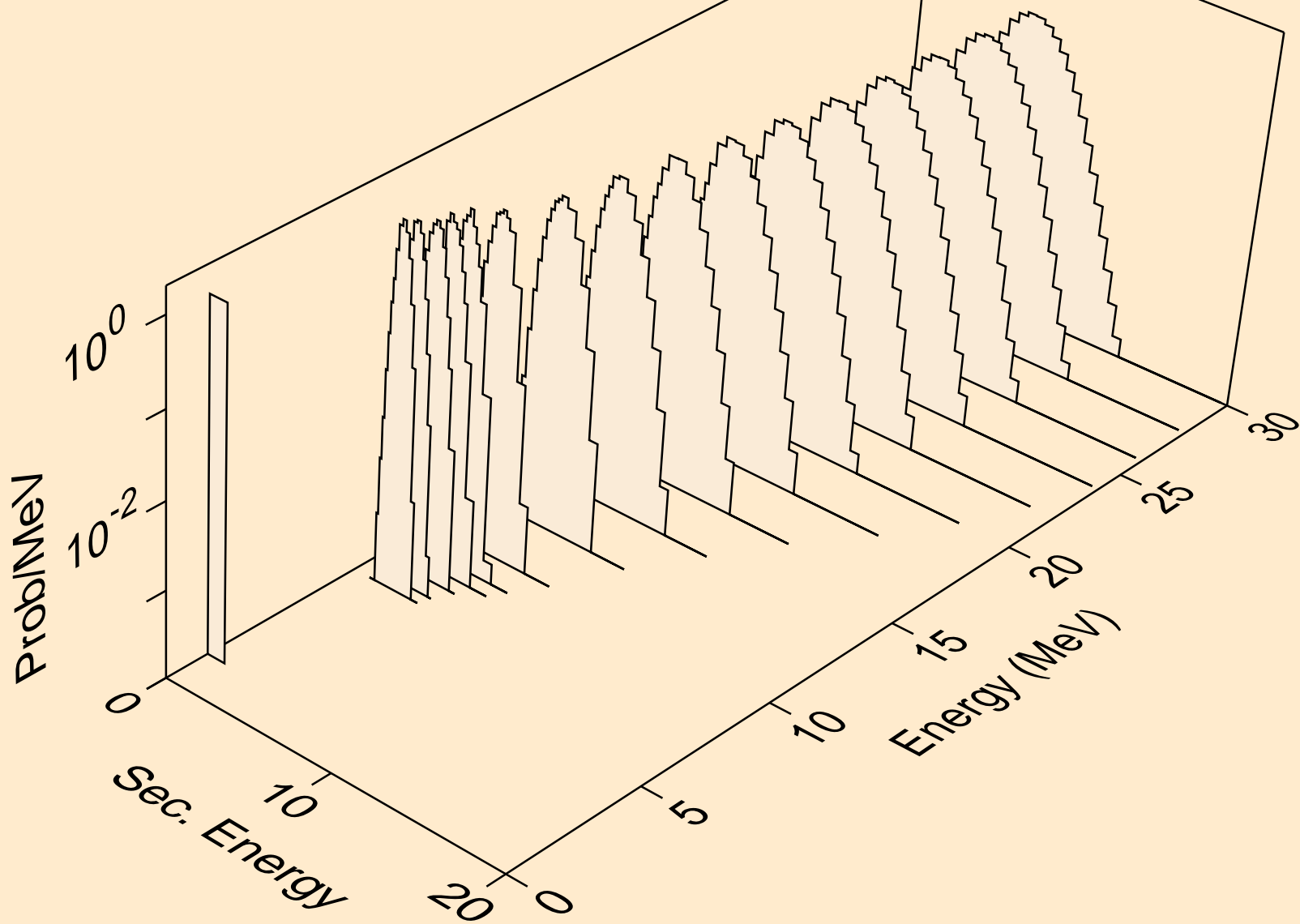
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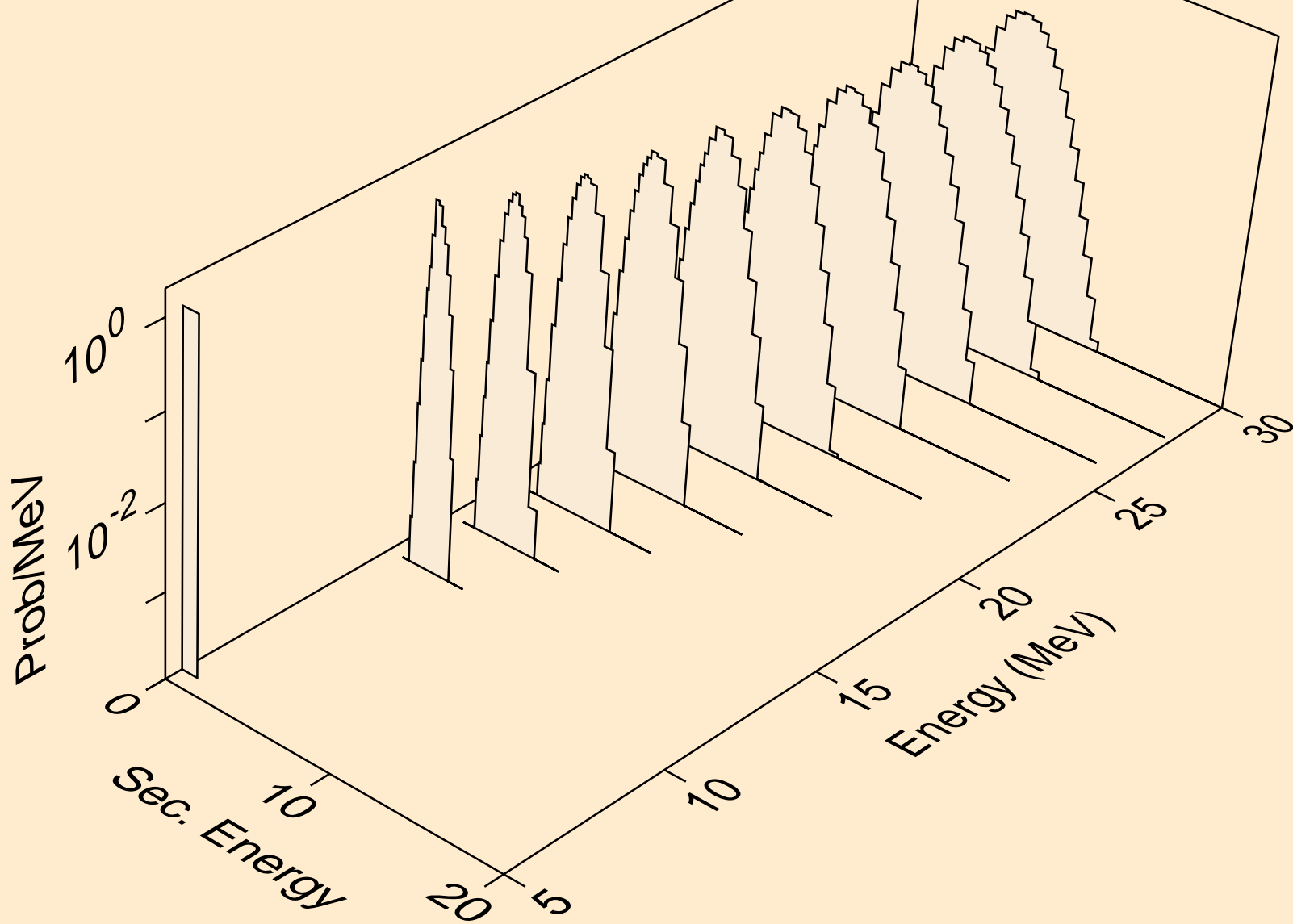
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protons from (n,p)



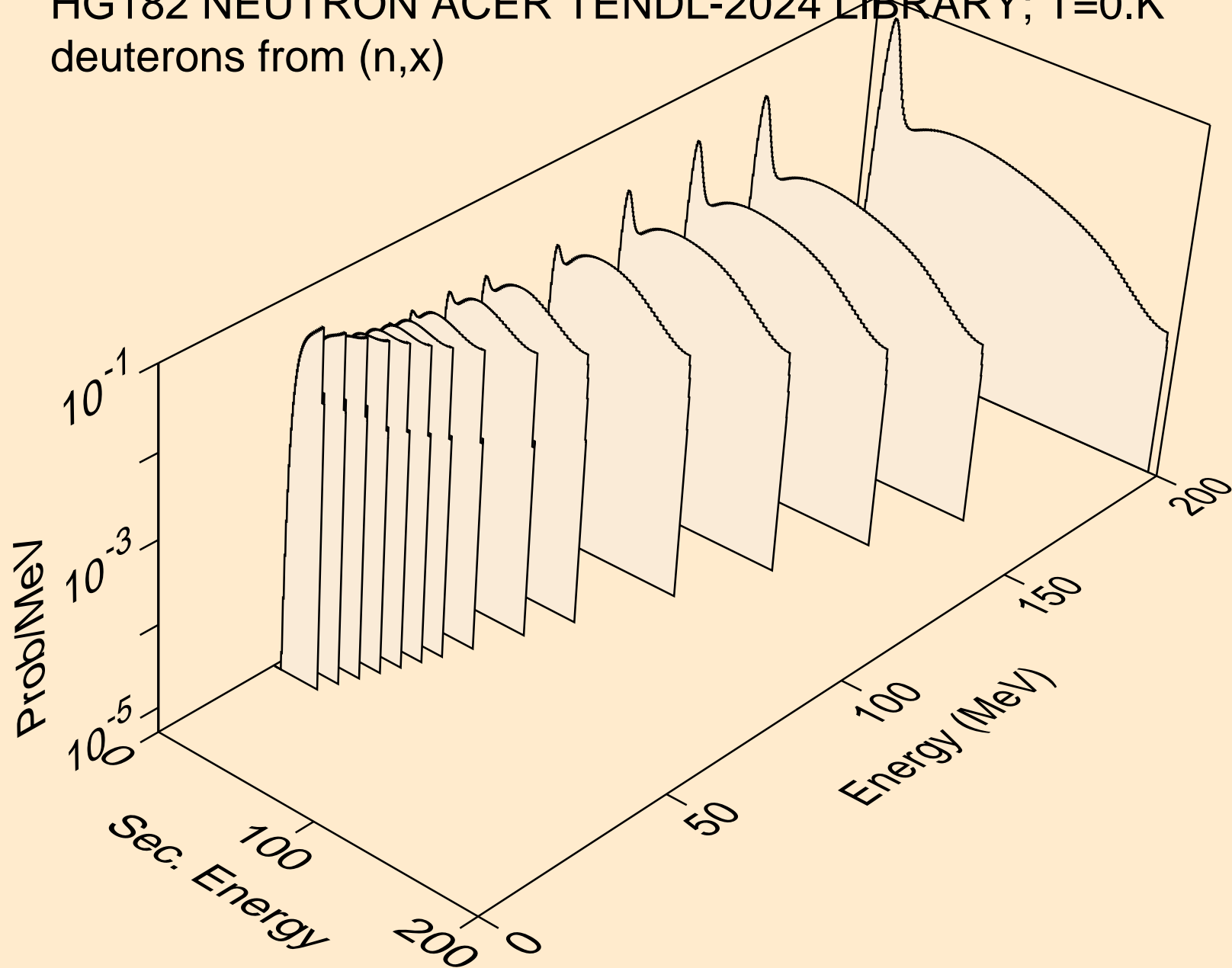
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protons from (n,pd)



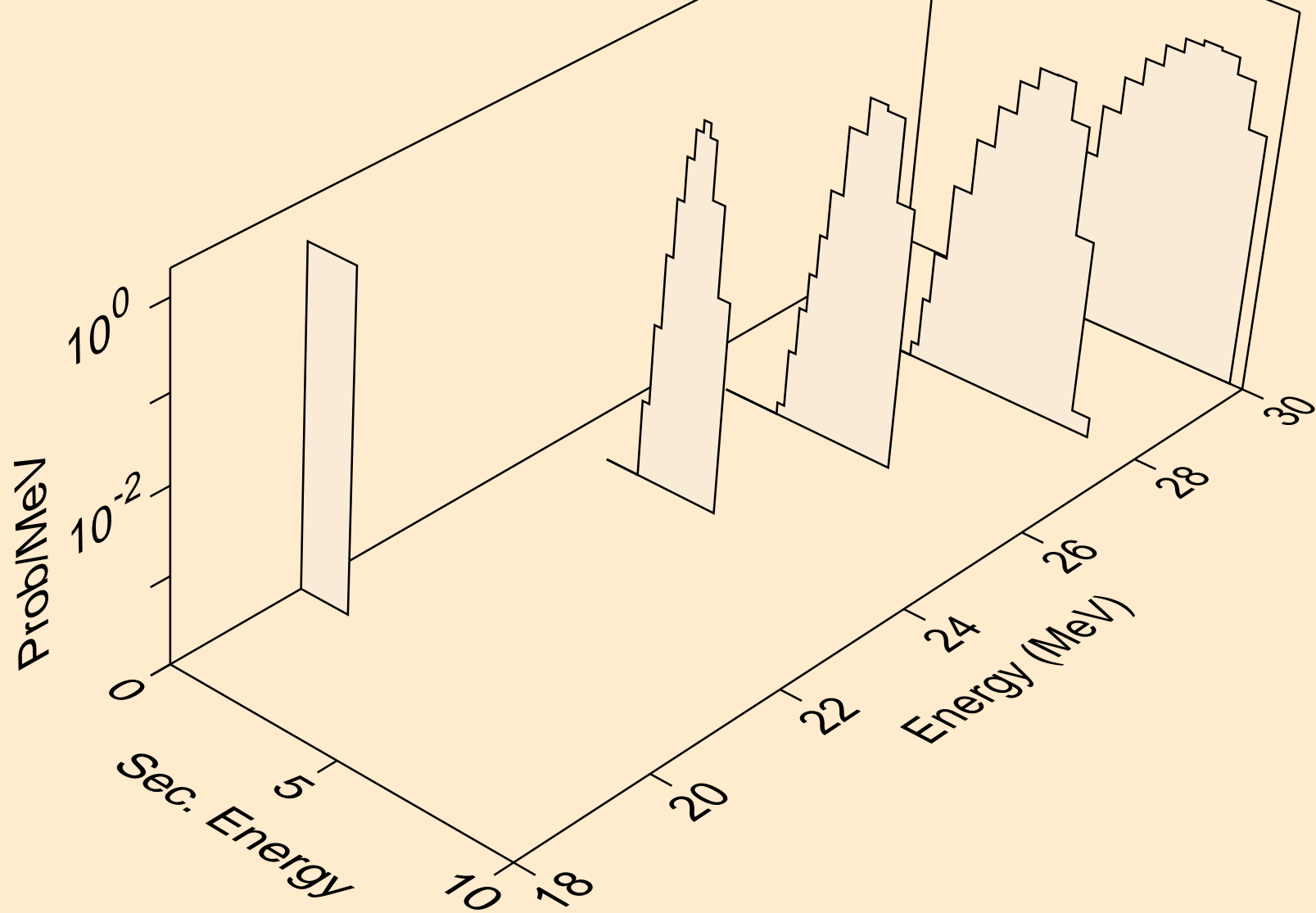
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

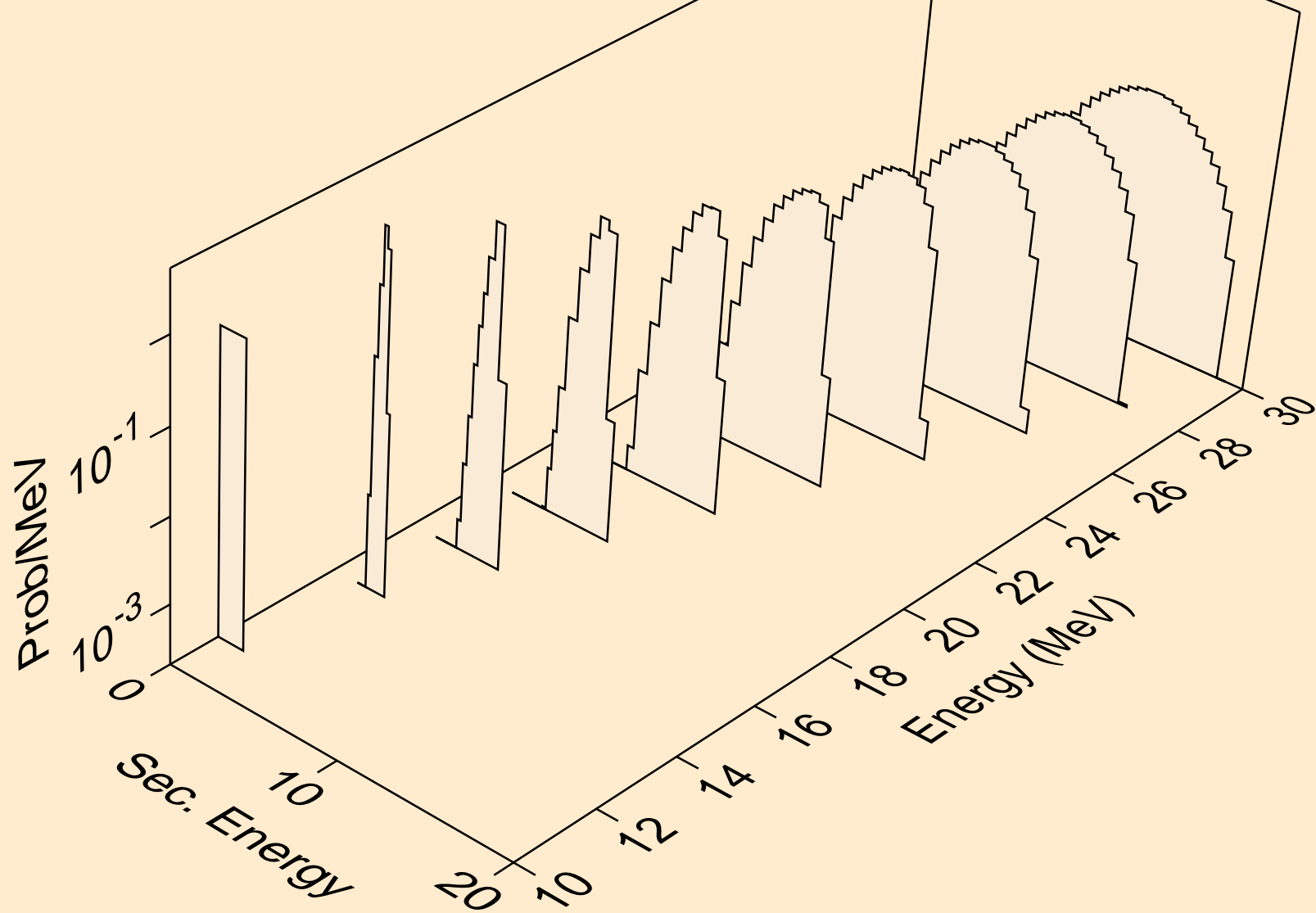


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

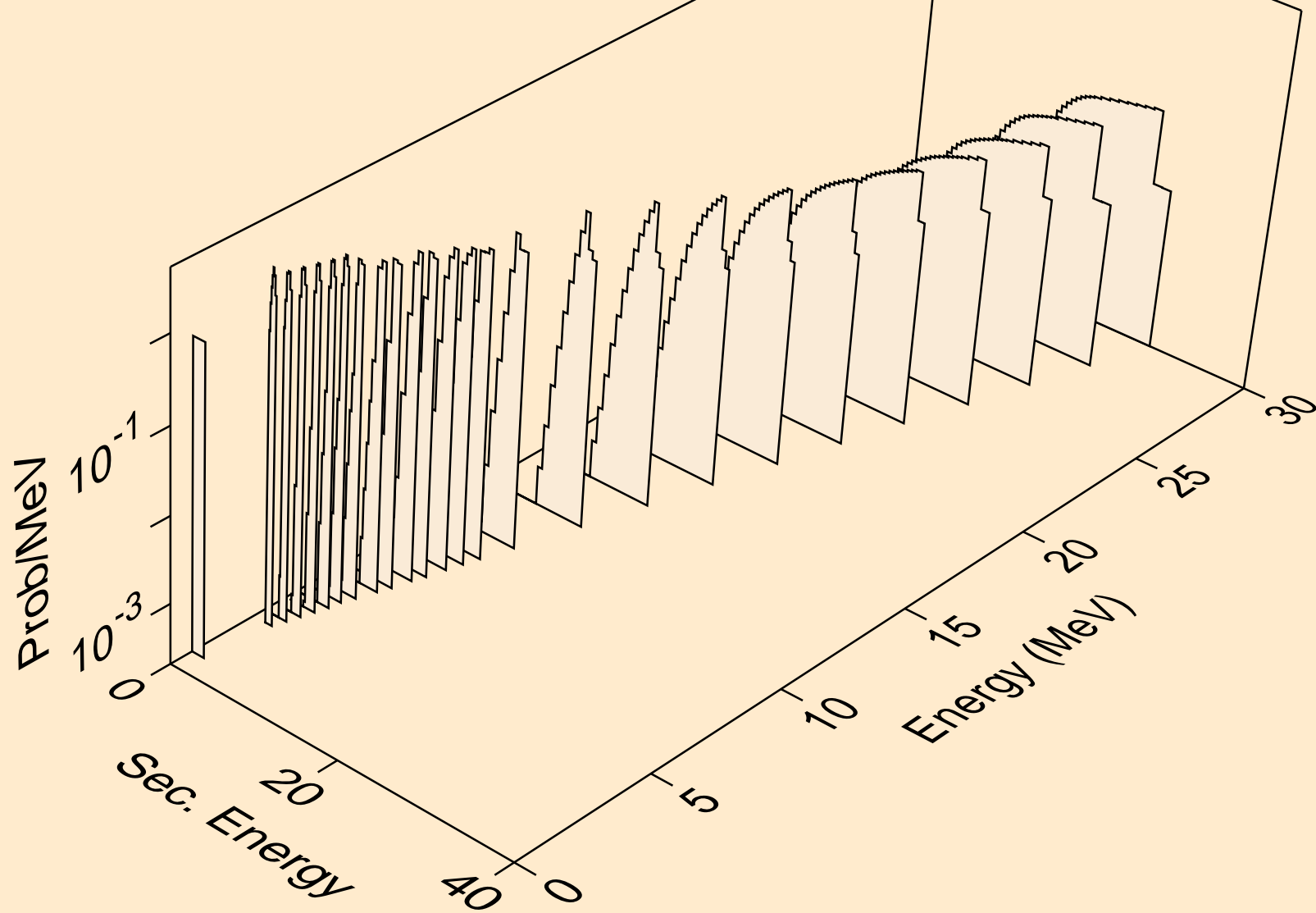




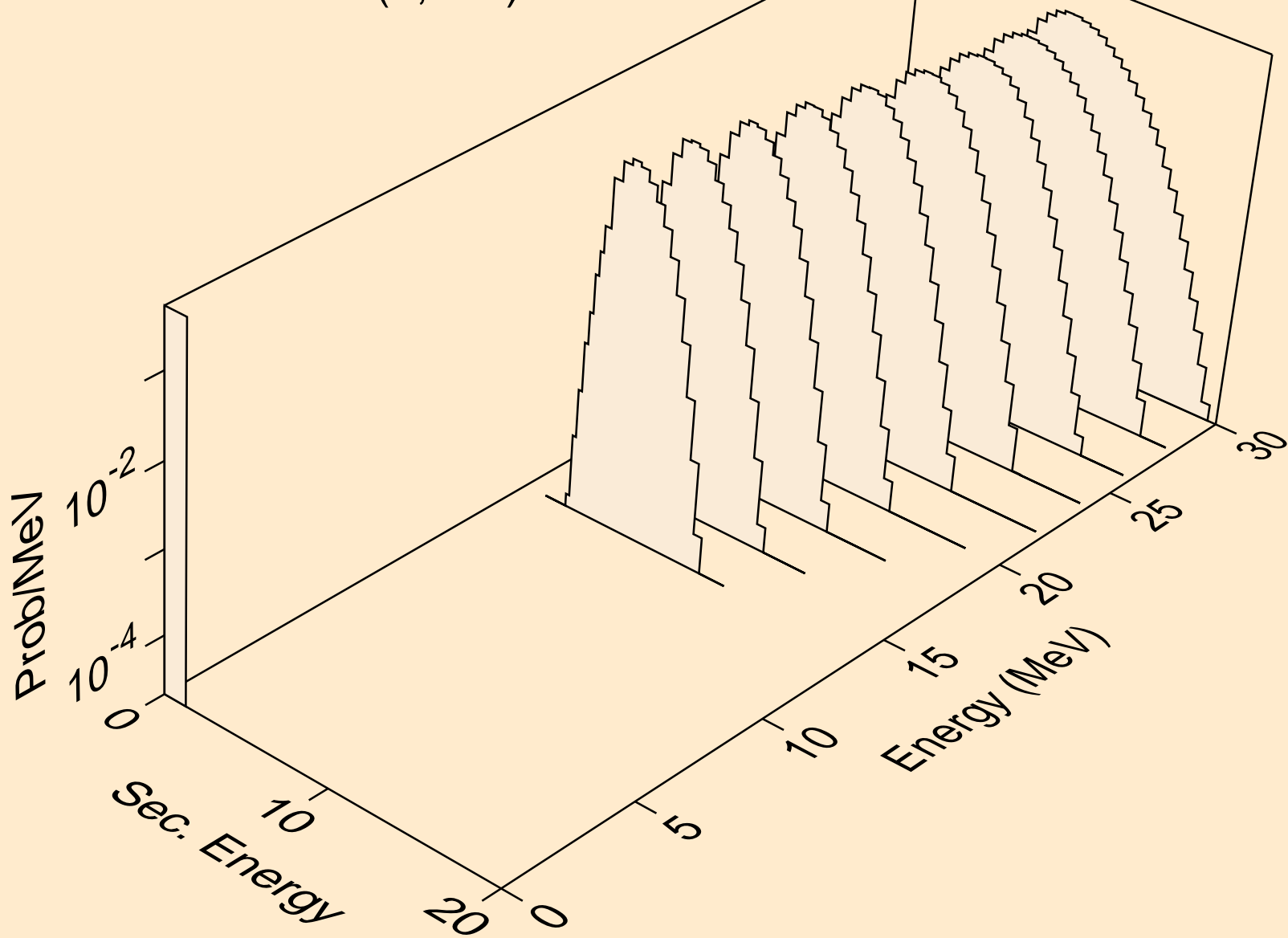
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deuterons from (n,n\*)d



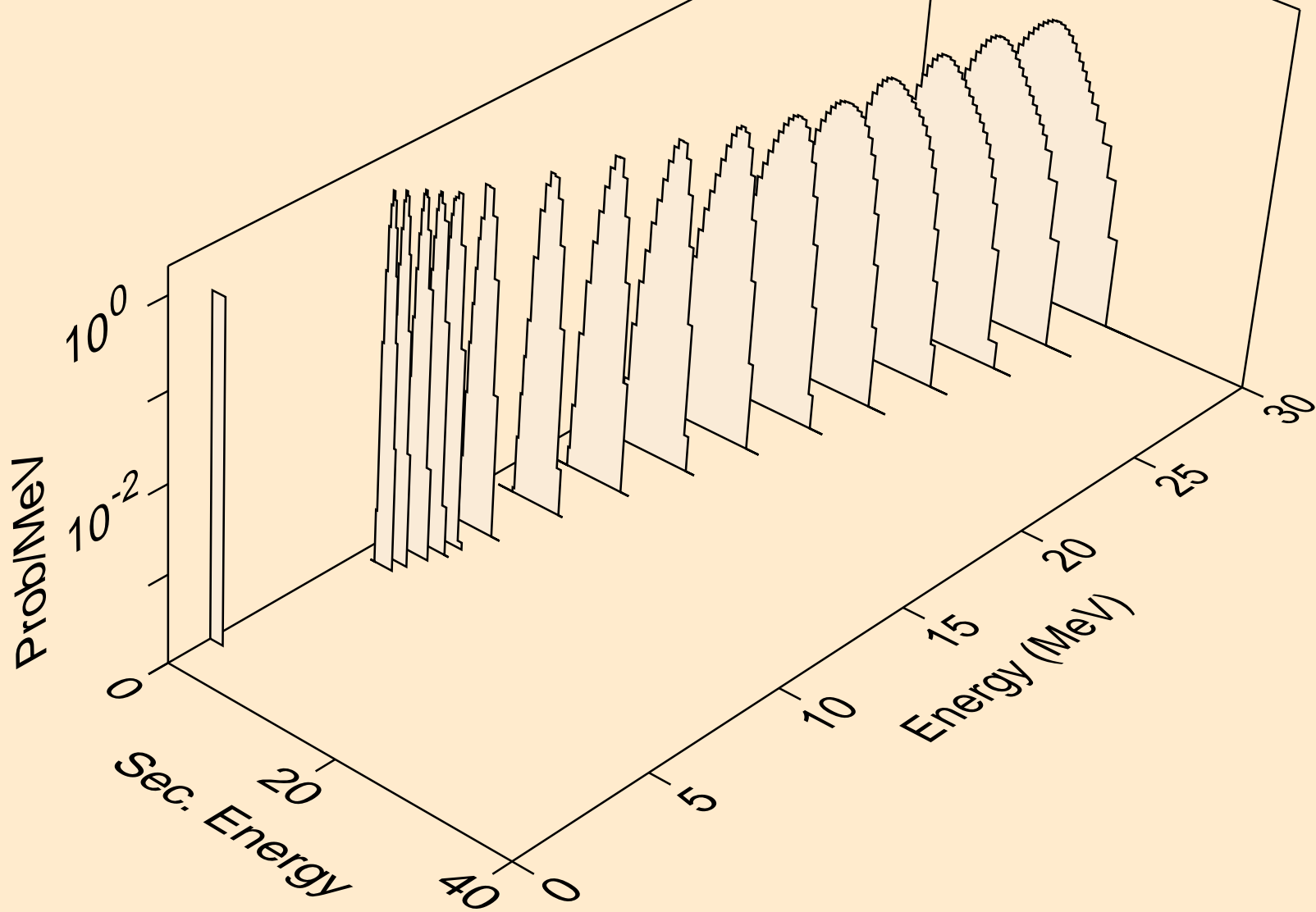
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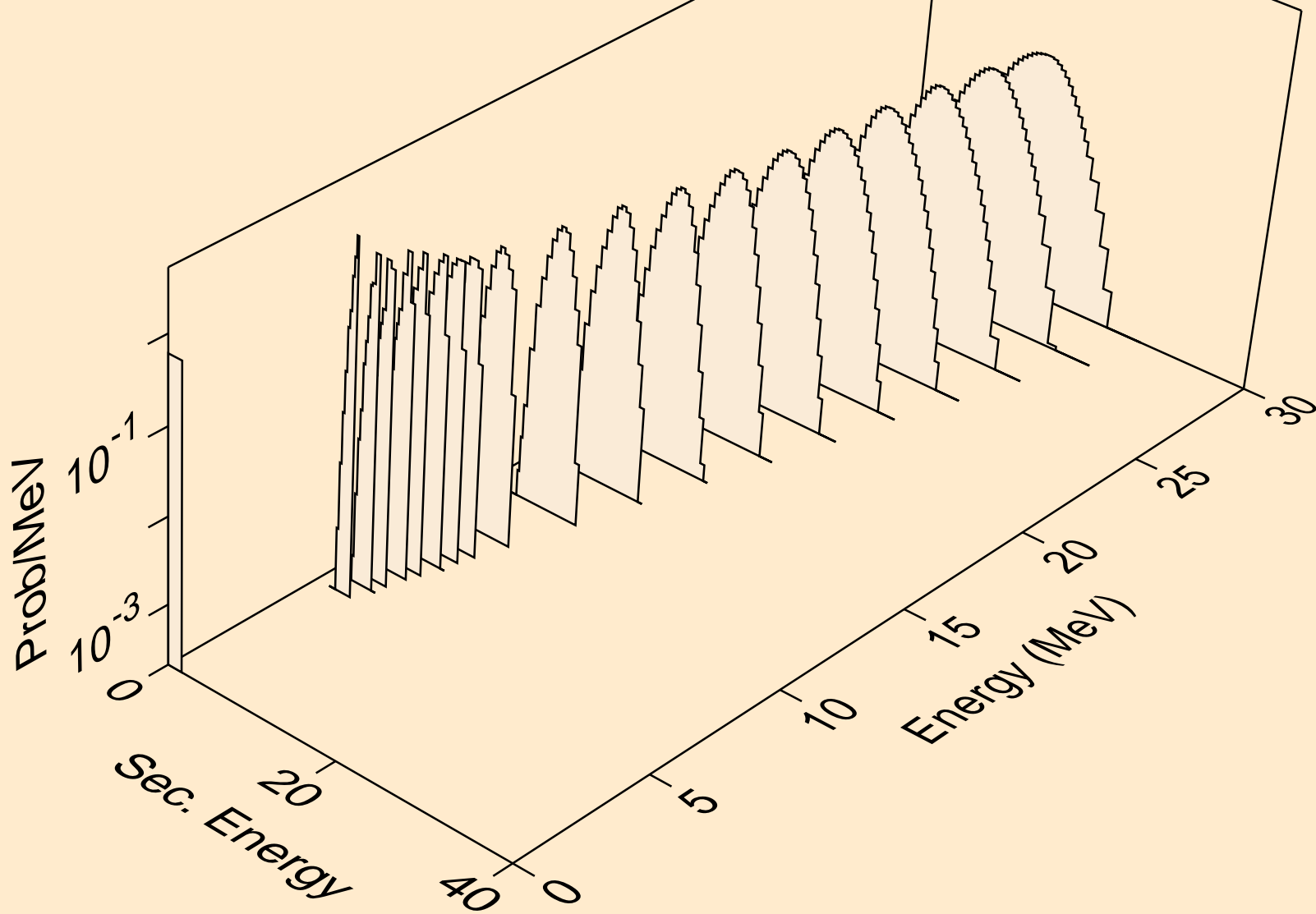
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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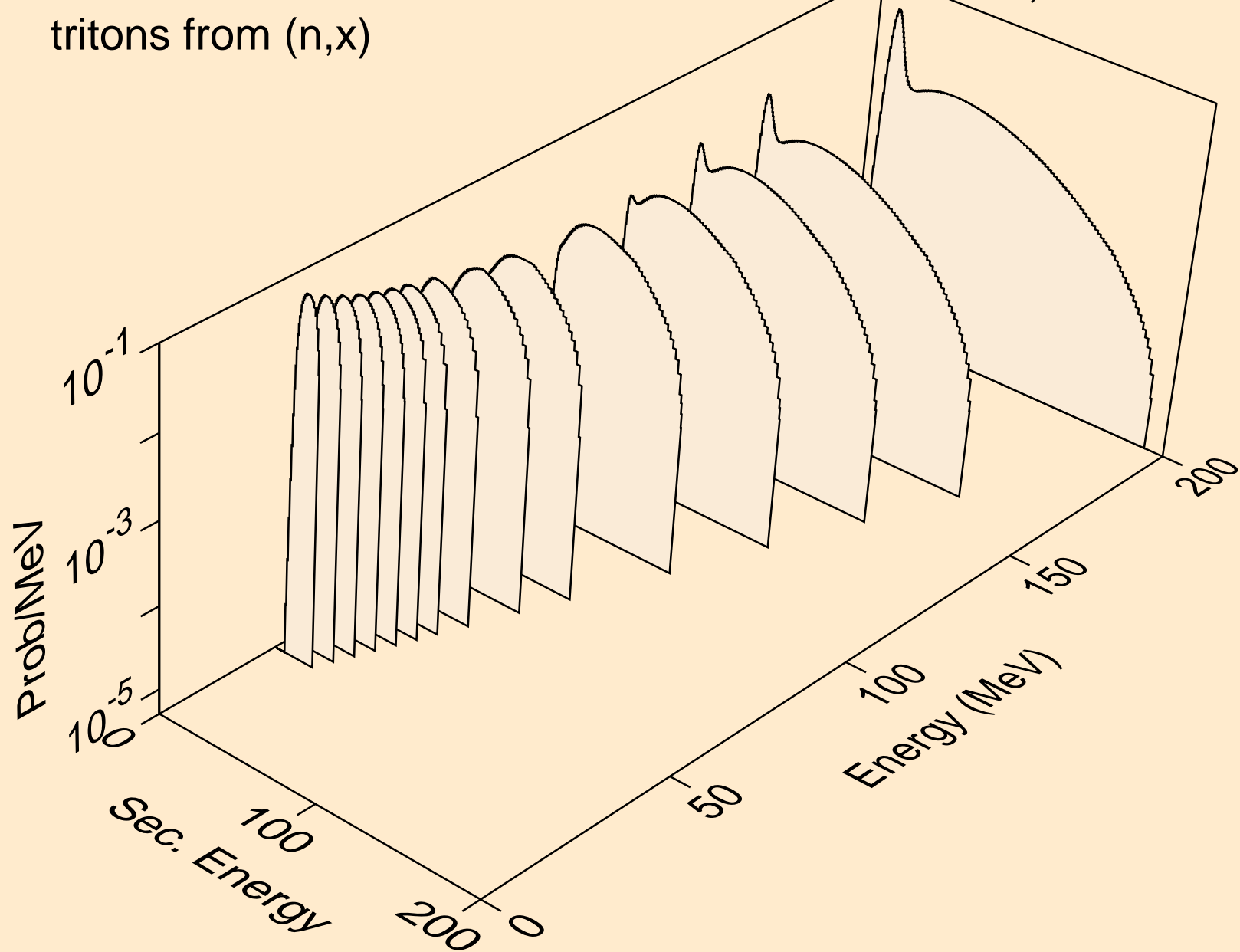
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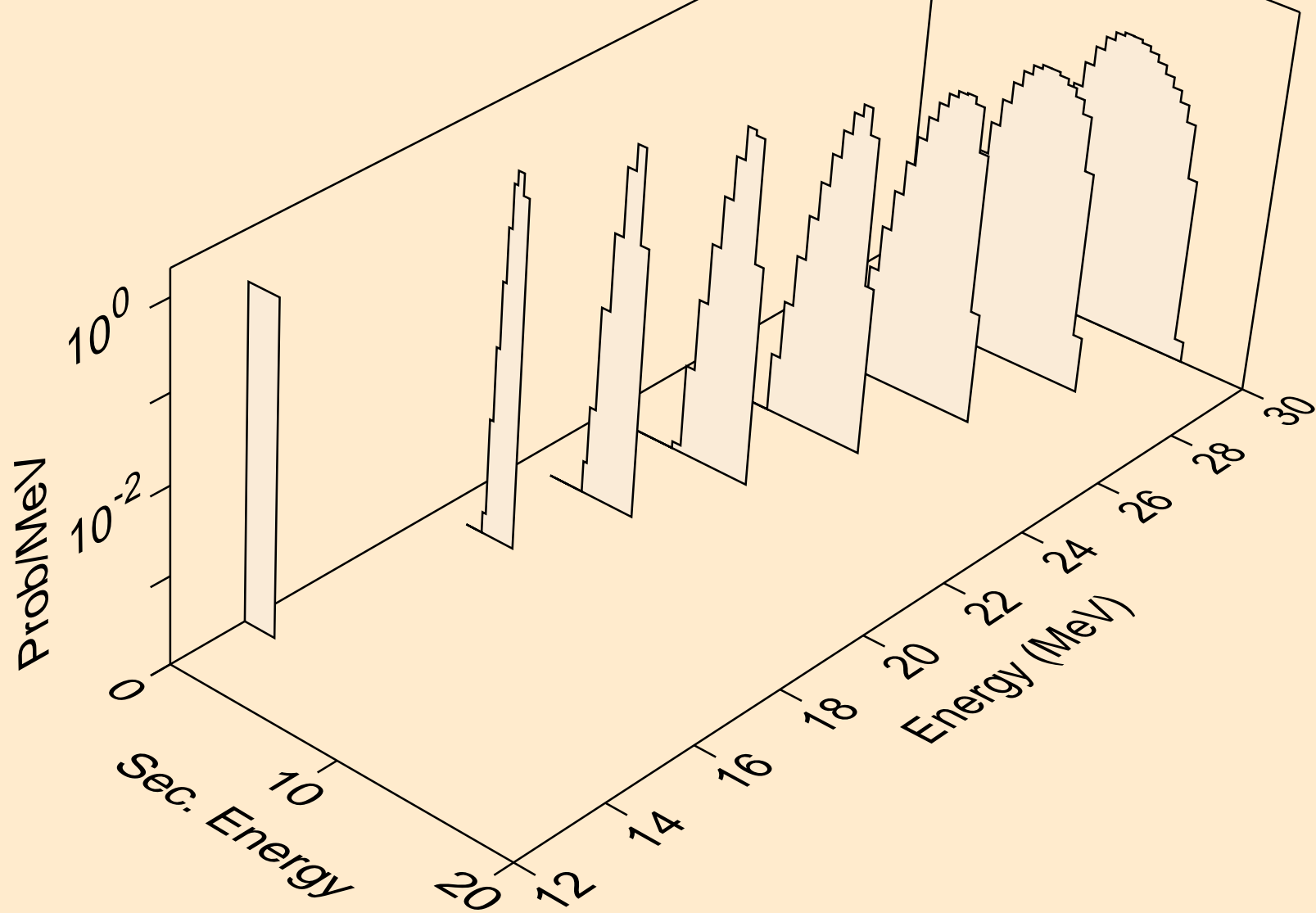
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deuterons from (n,da)



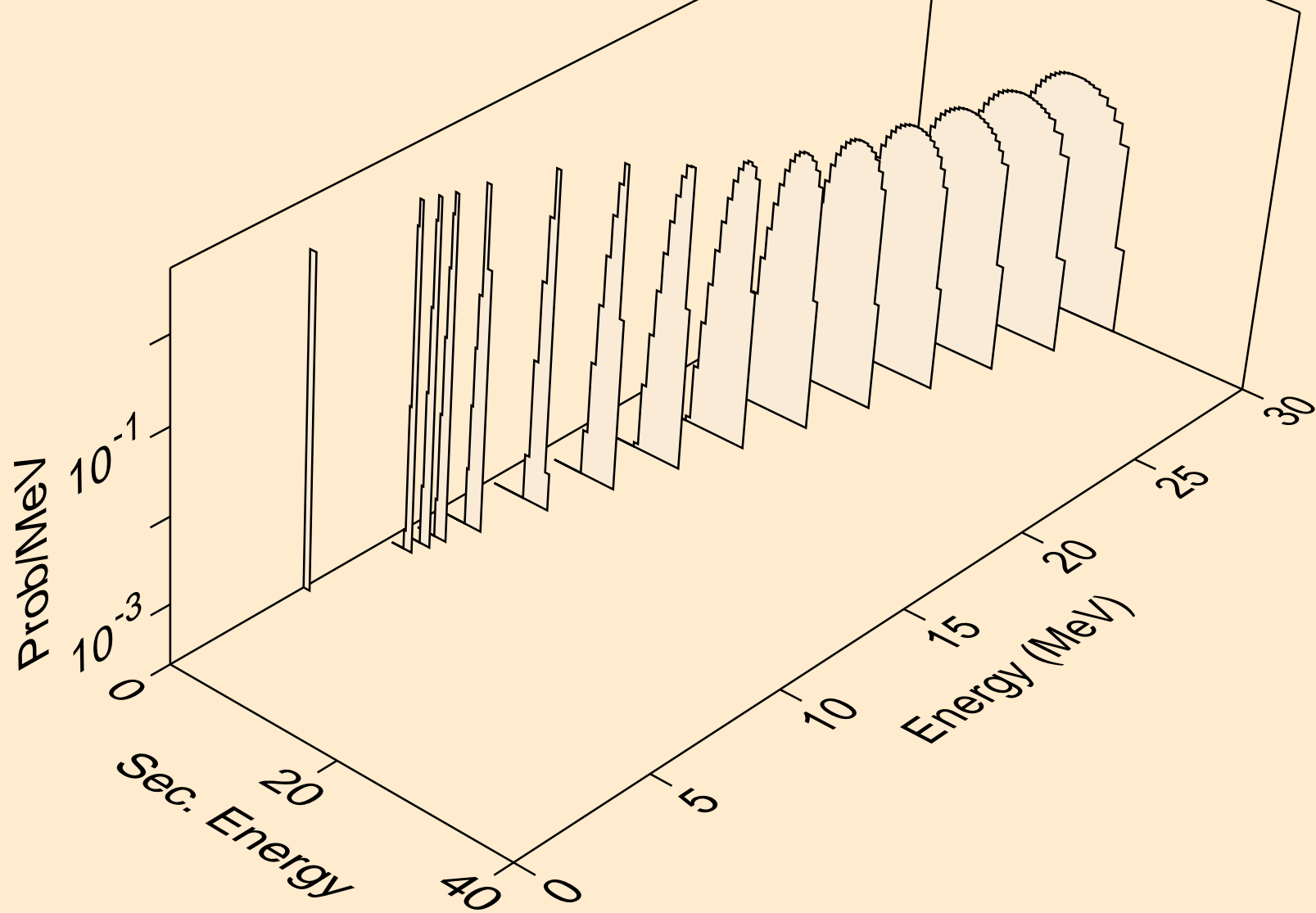
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

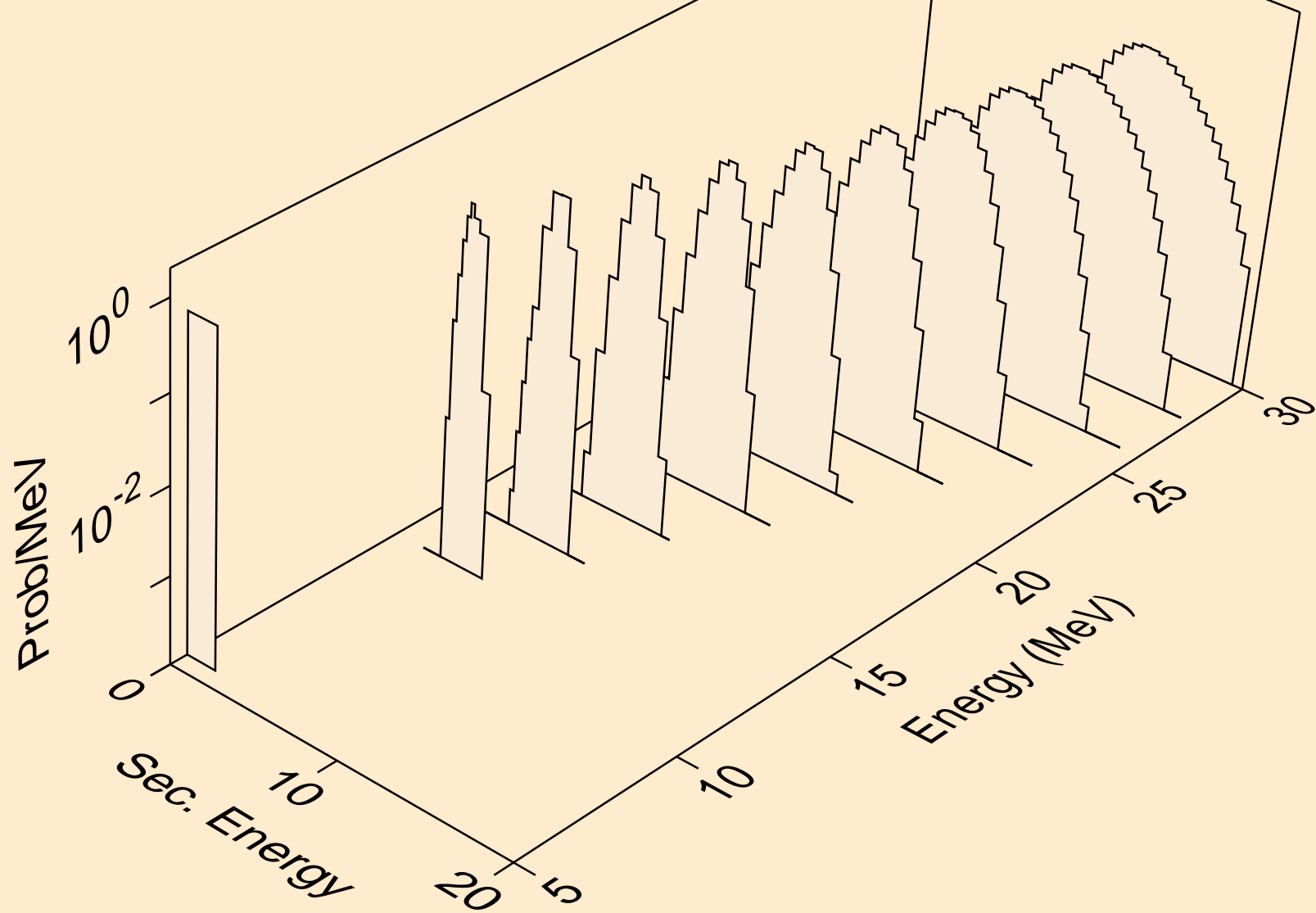


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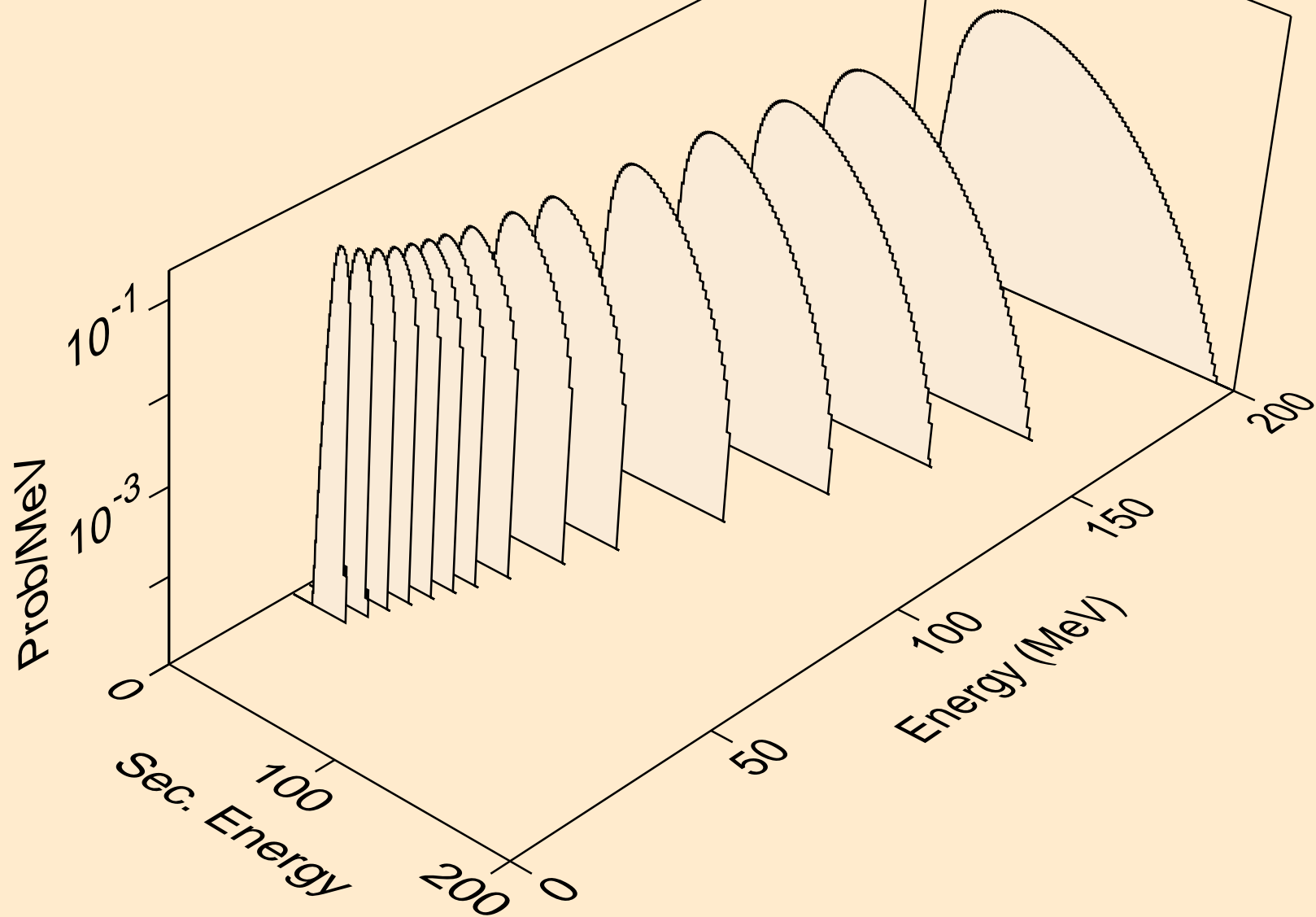




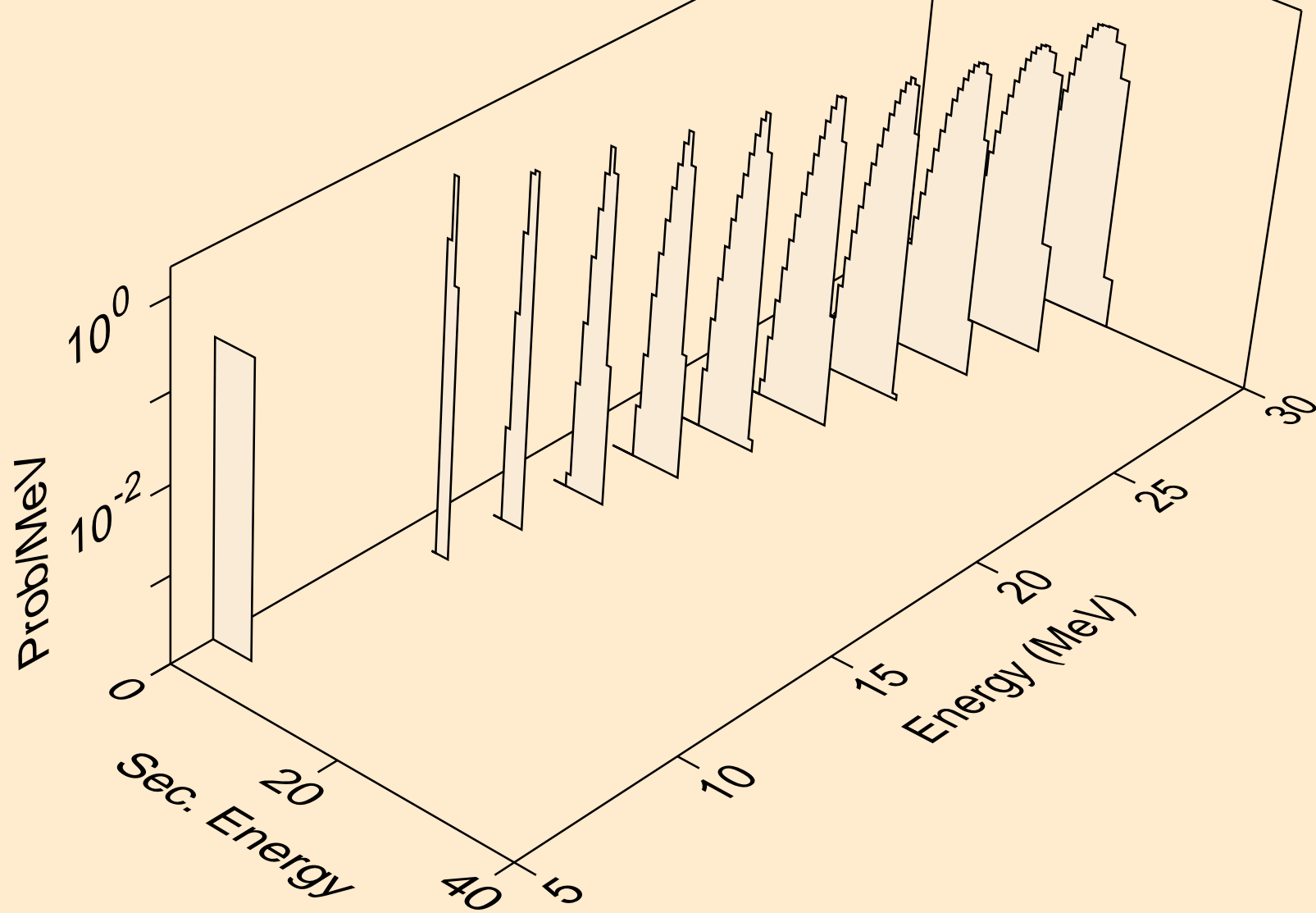
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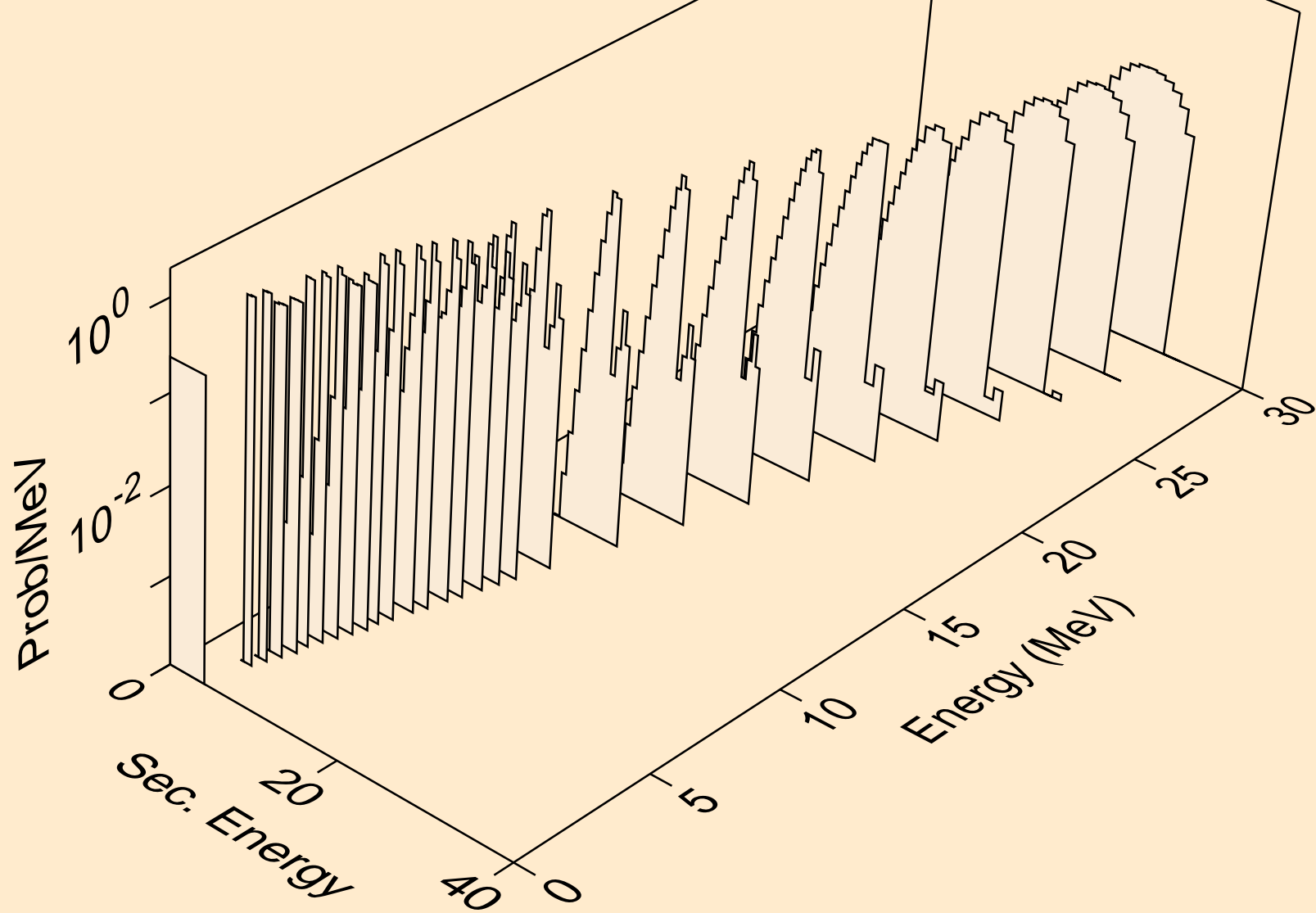
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he3s from (n,x)



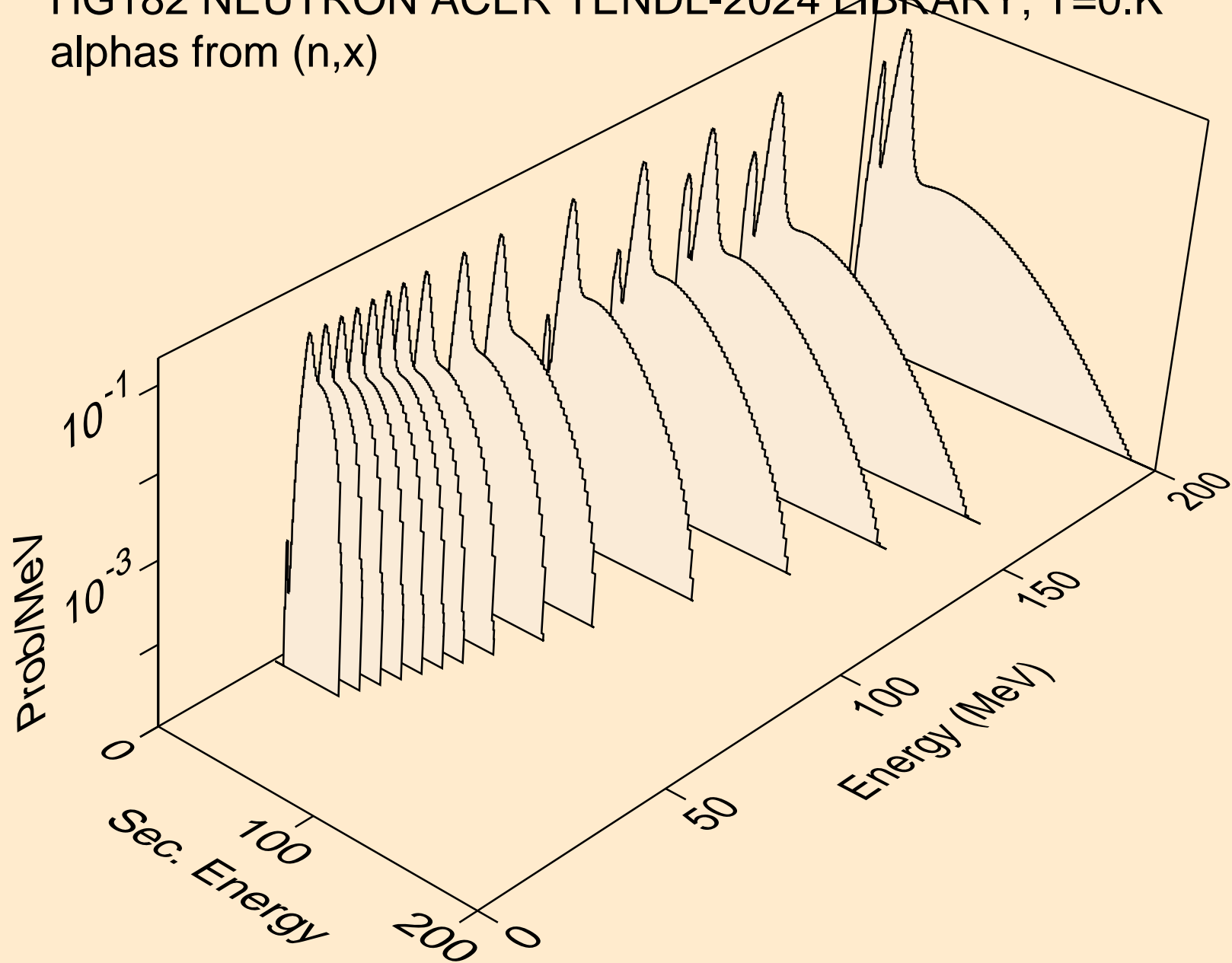
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he3s from (n,n\*)he3



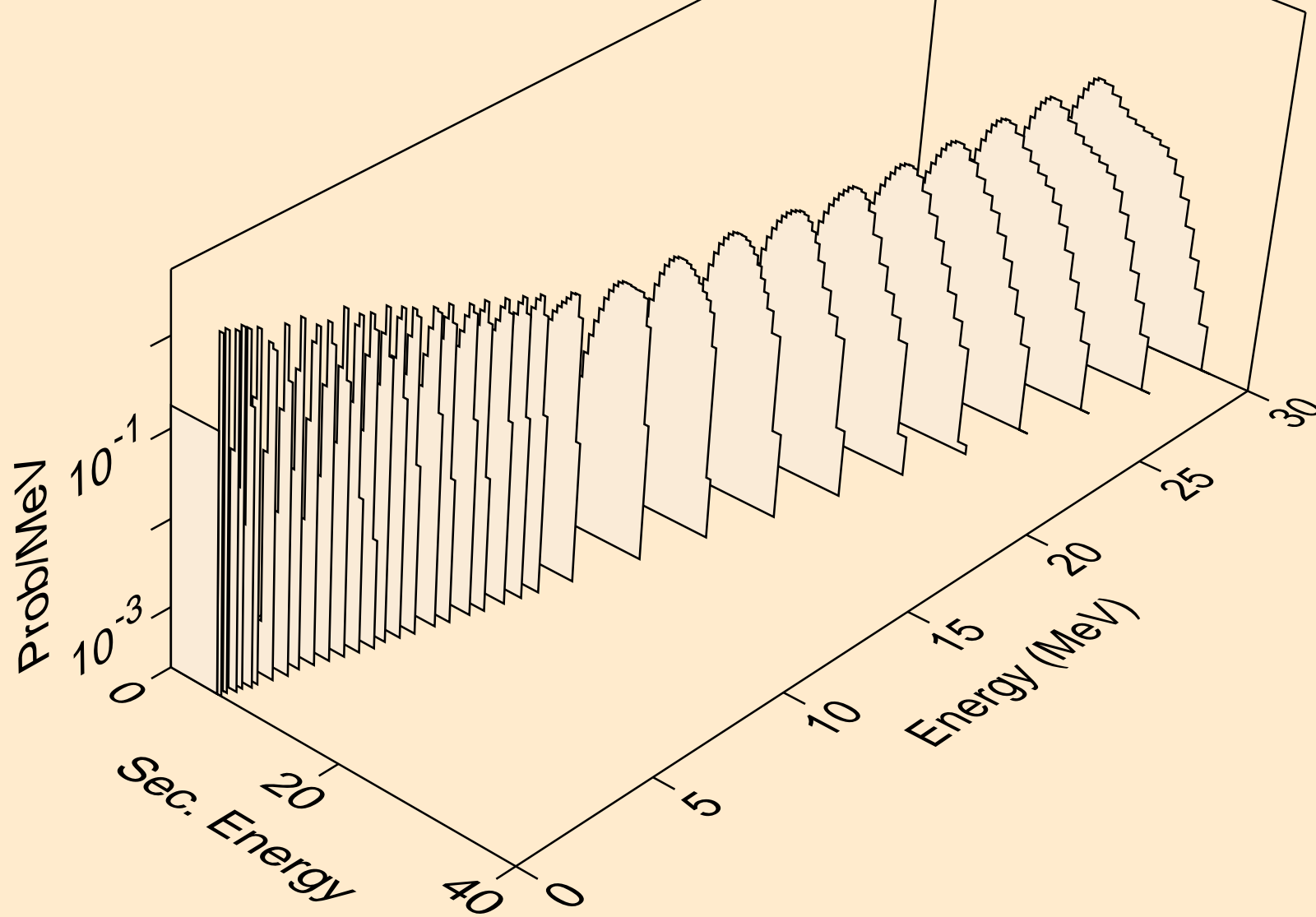
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he3s from (n,he3)



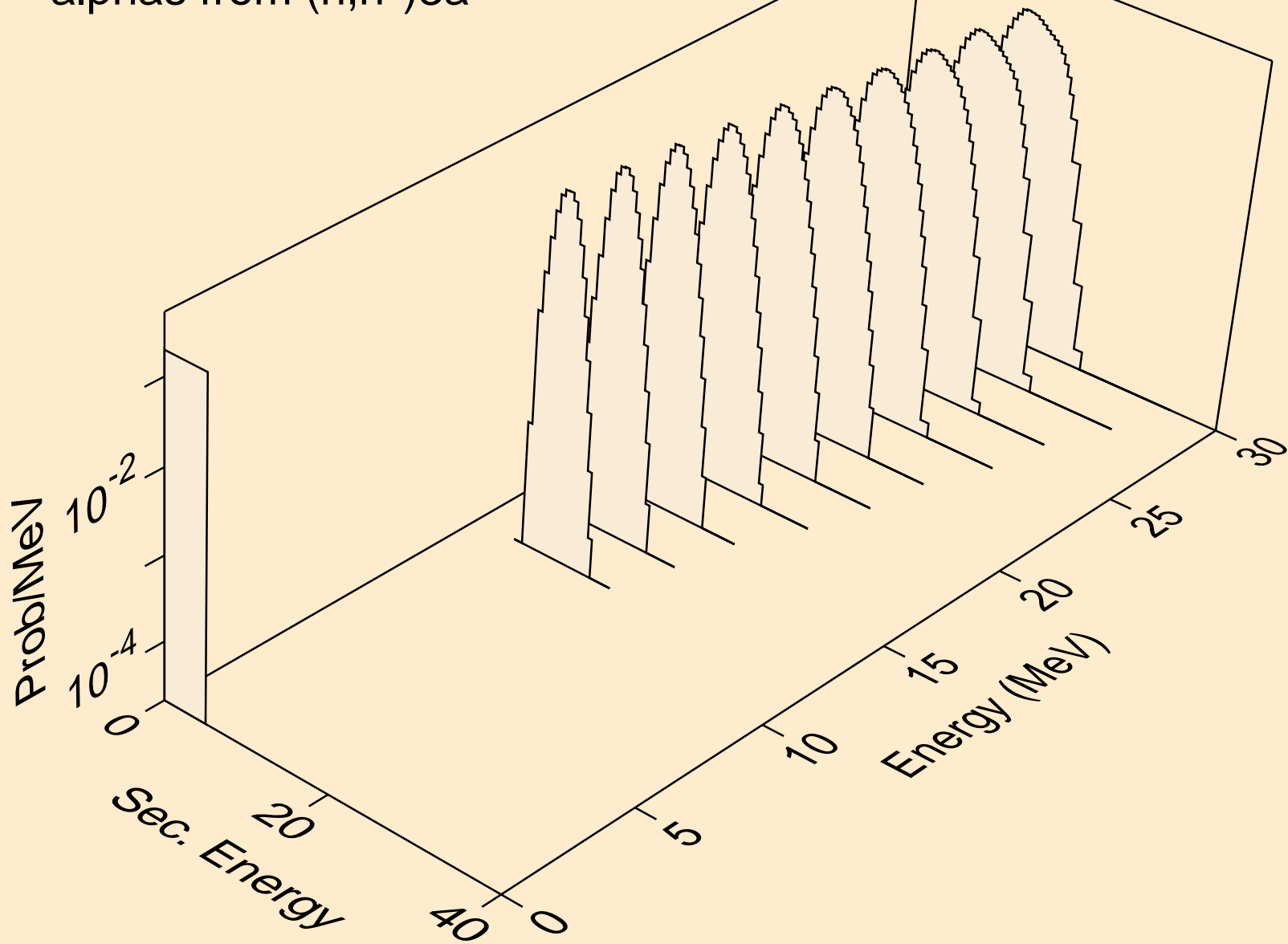
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



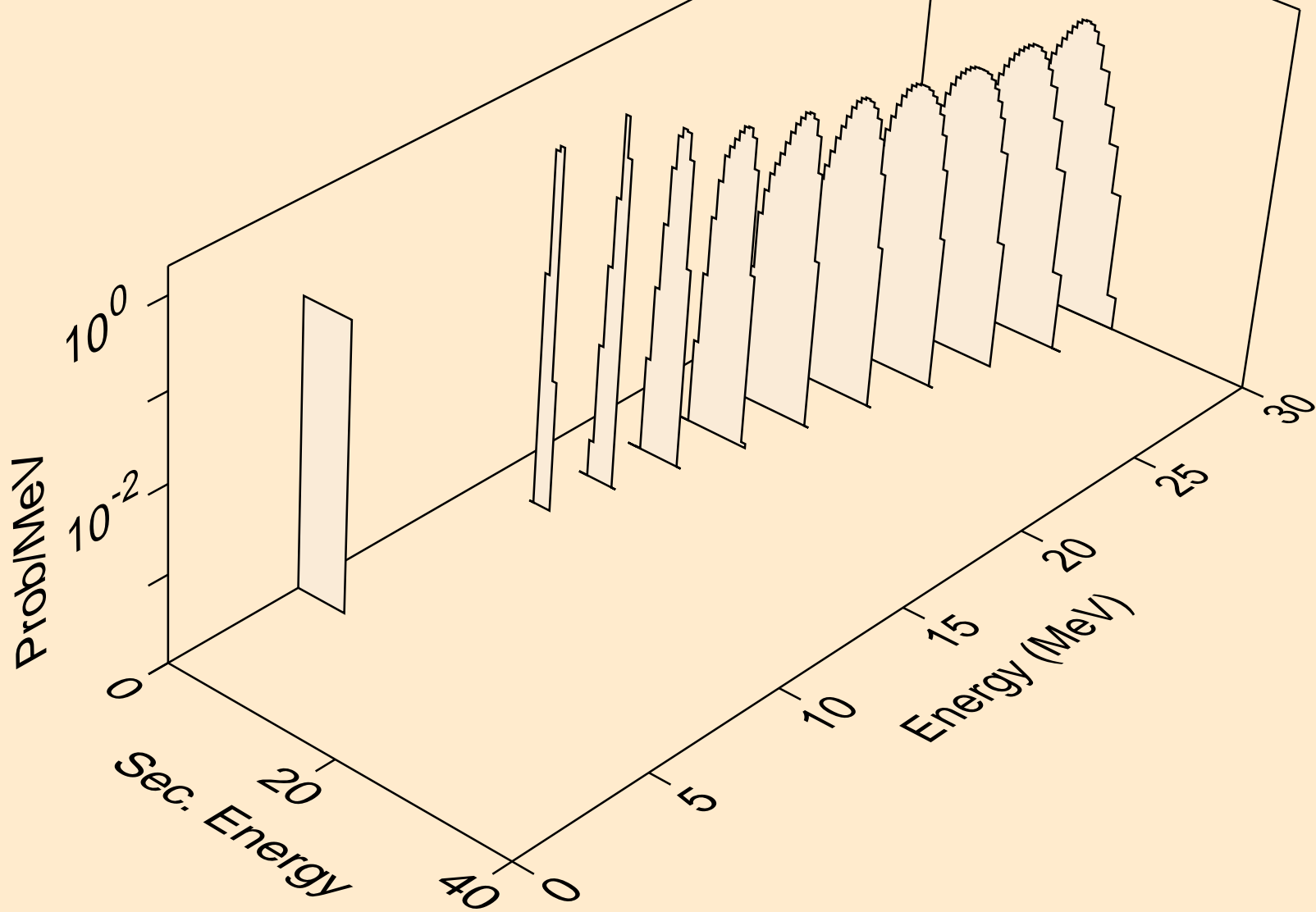
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)3a

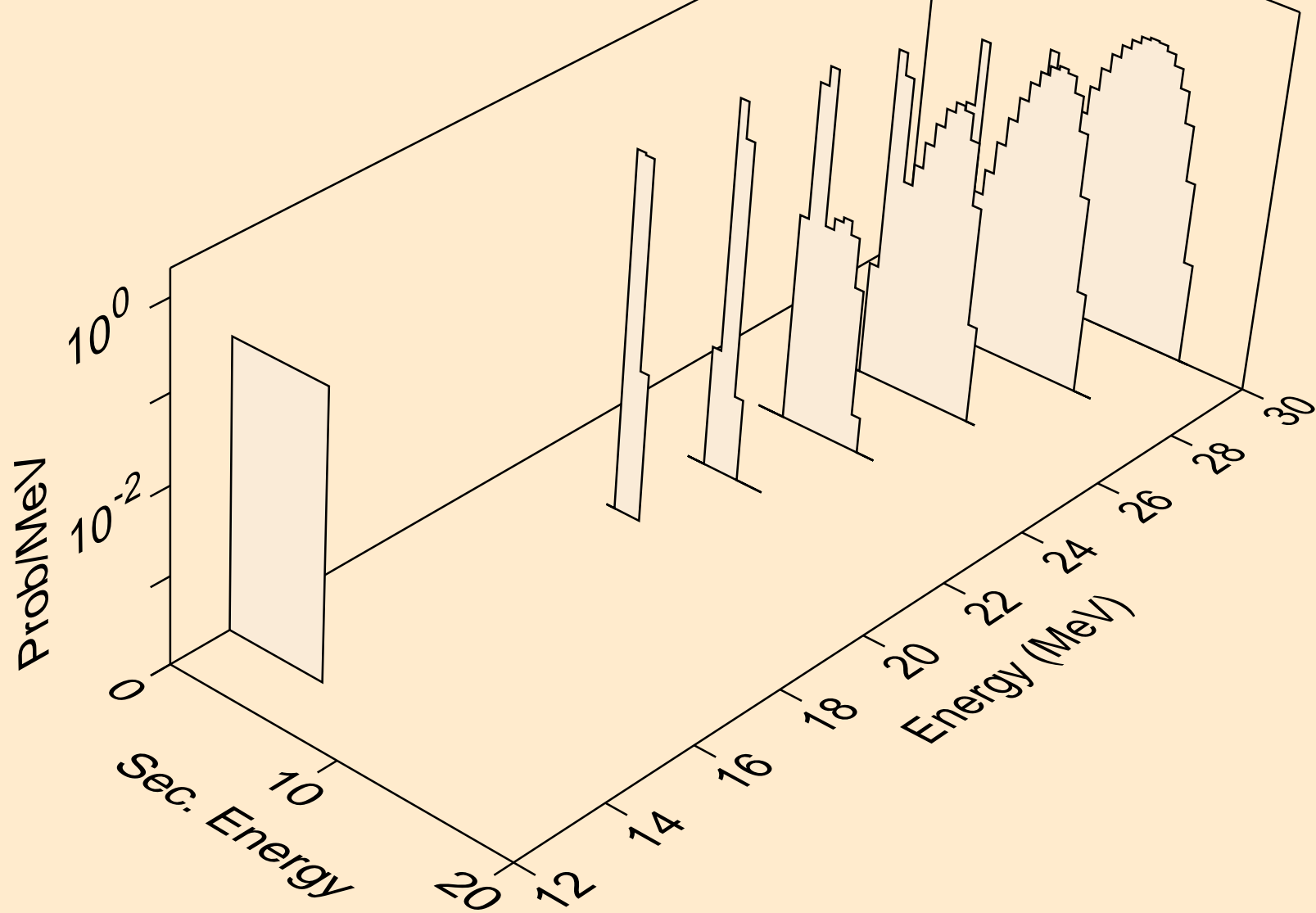


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alphas from (n,2n)a

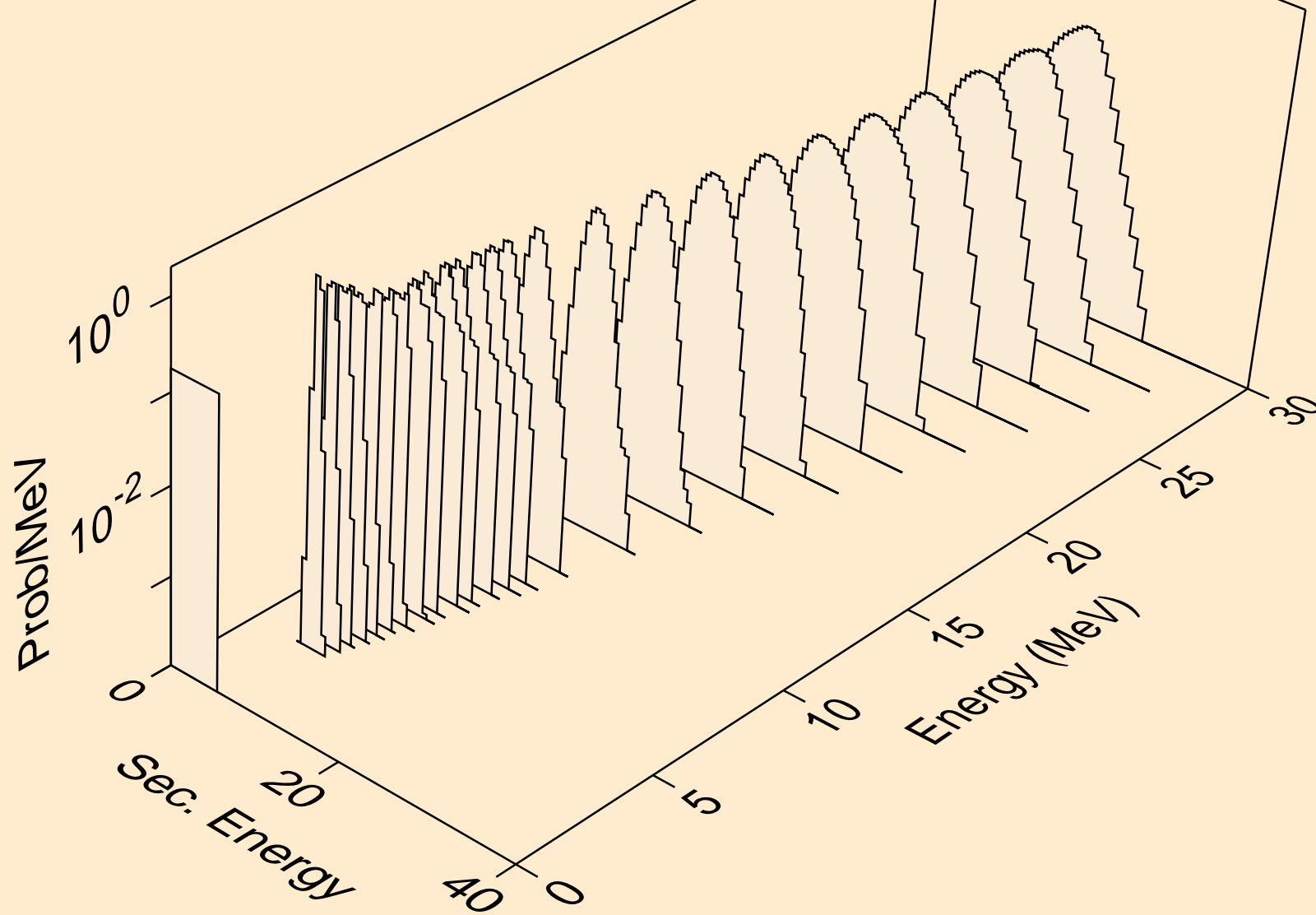




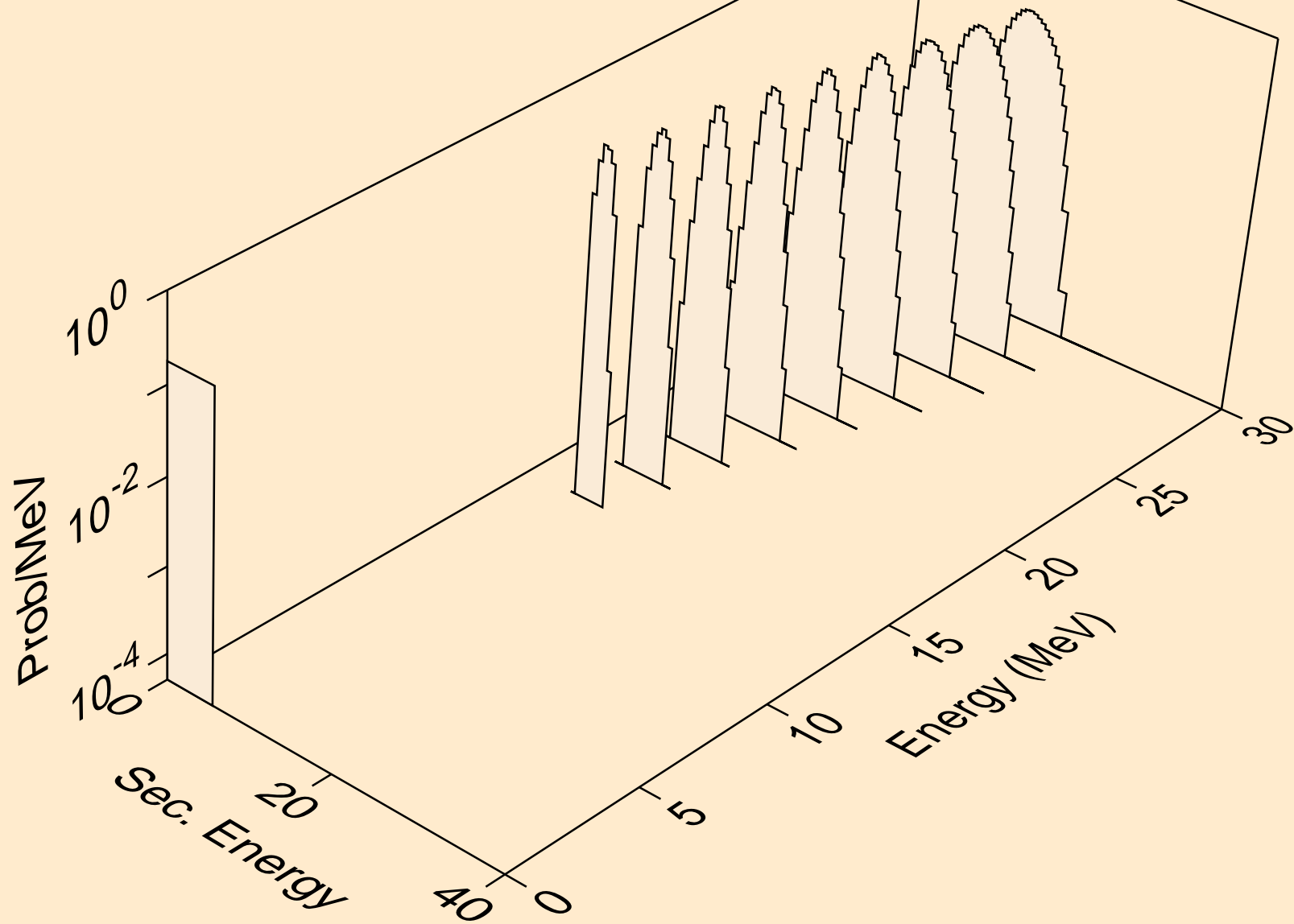
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alphas from (n,3n)a



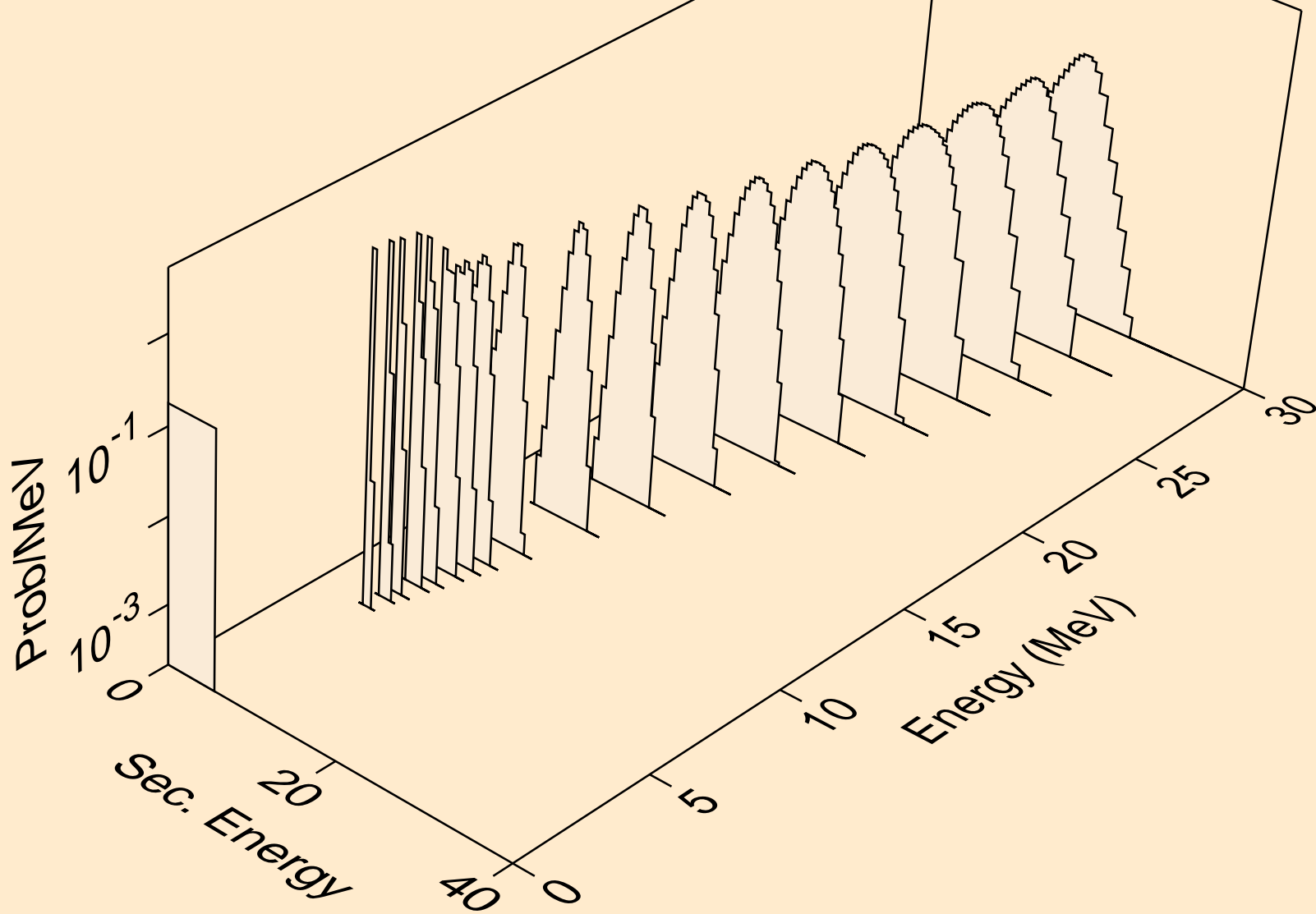
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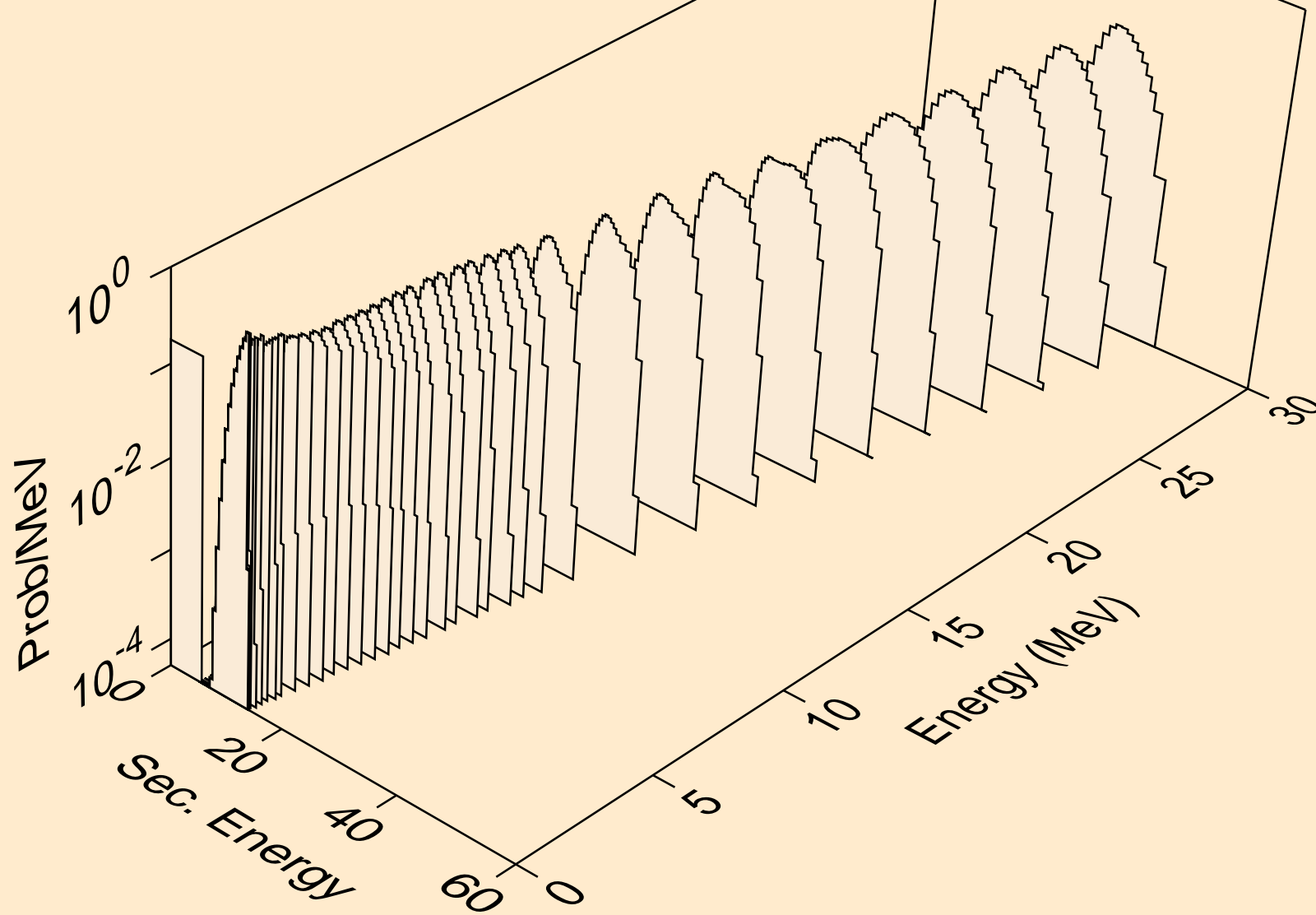
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alphas from (n,2n)2a



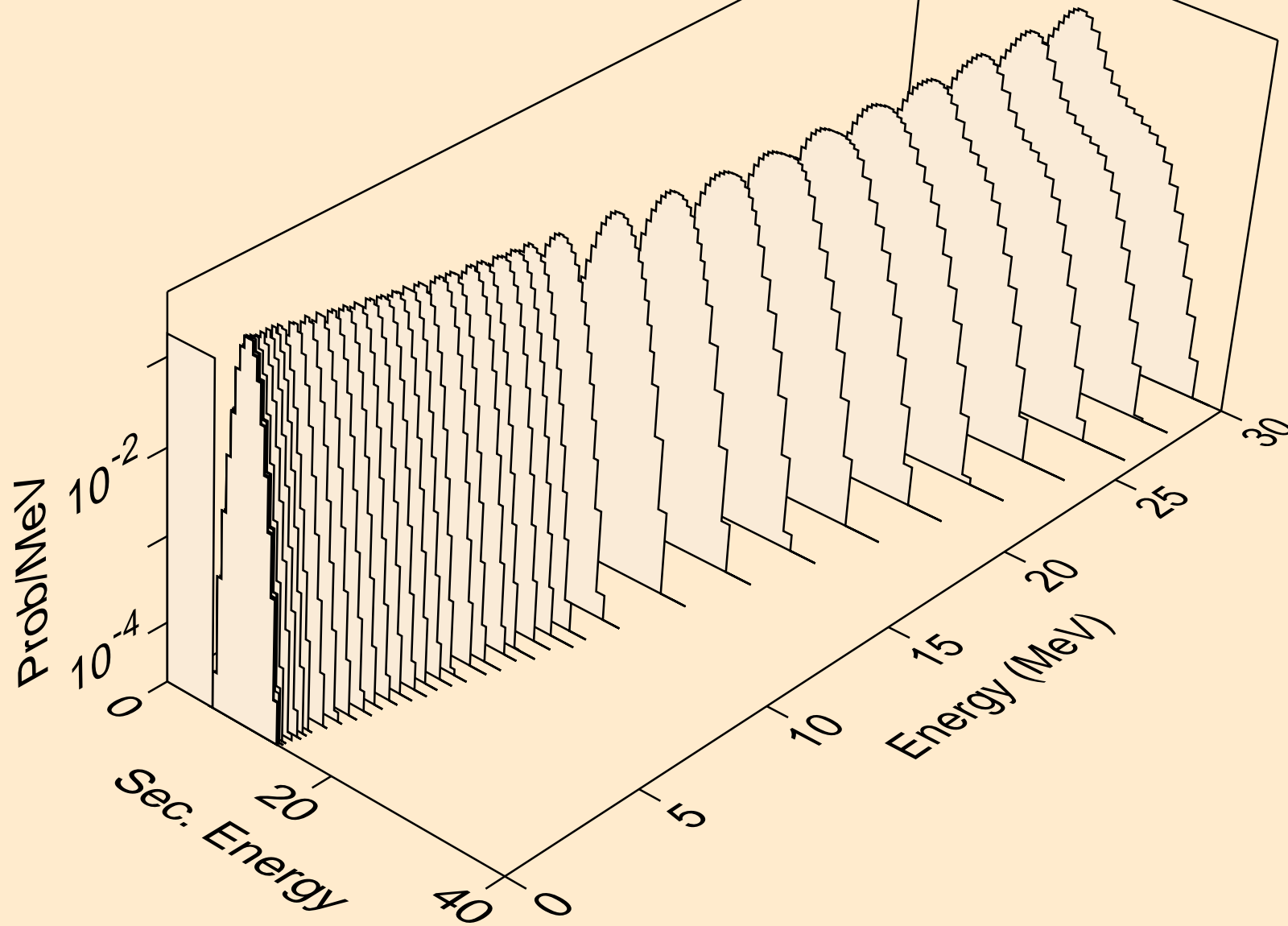
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alphas from (n,npa)



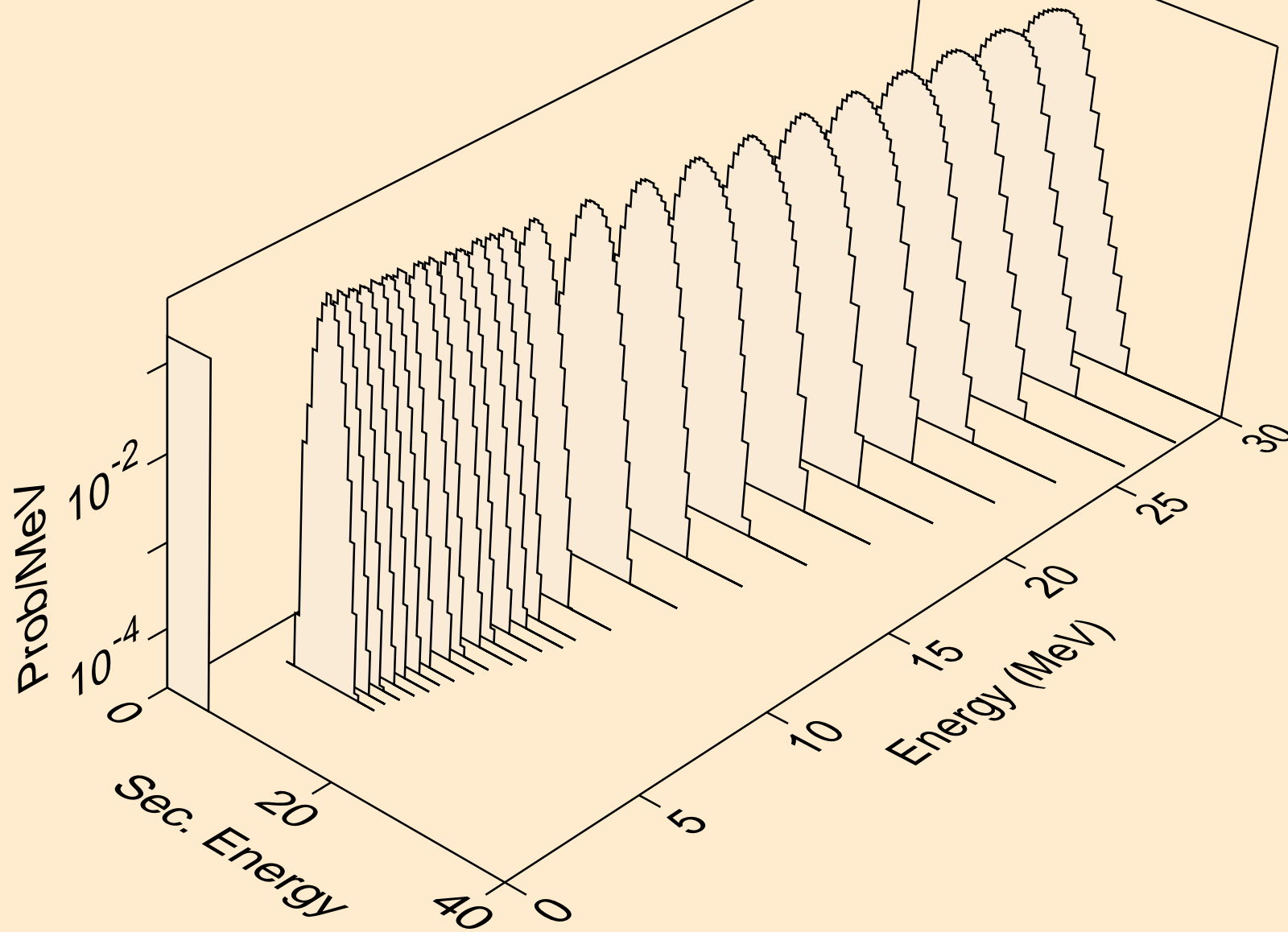
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alphas from (n,a)



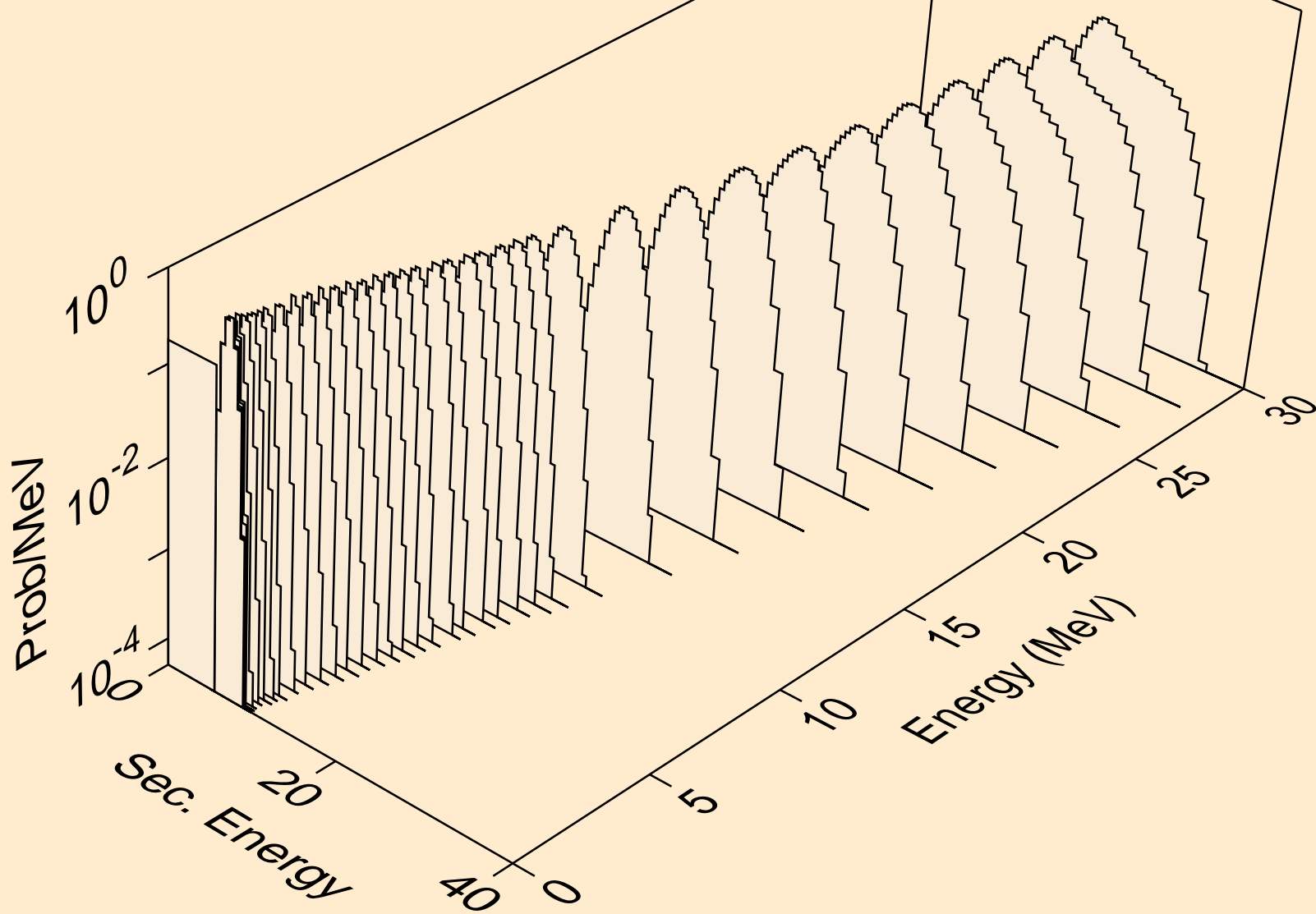
HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)

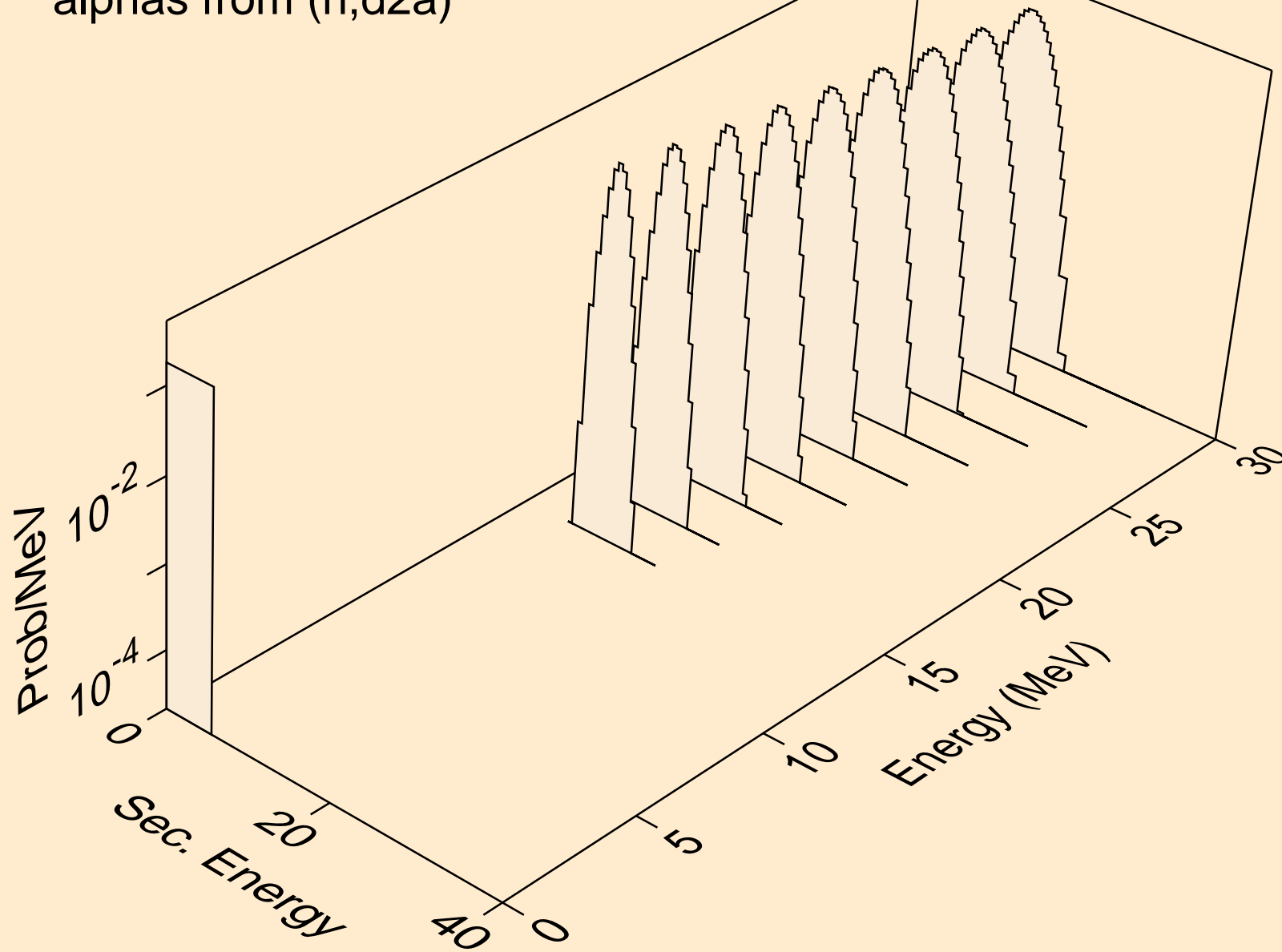


HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)





HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



HG182 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

