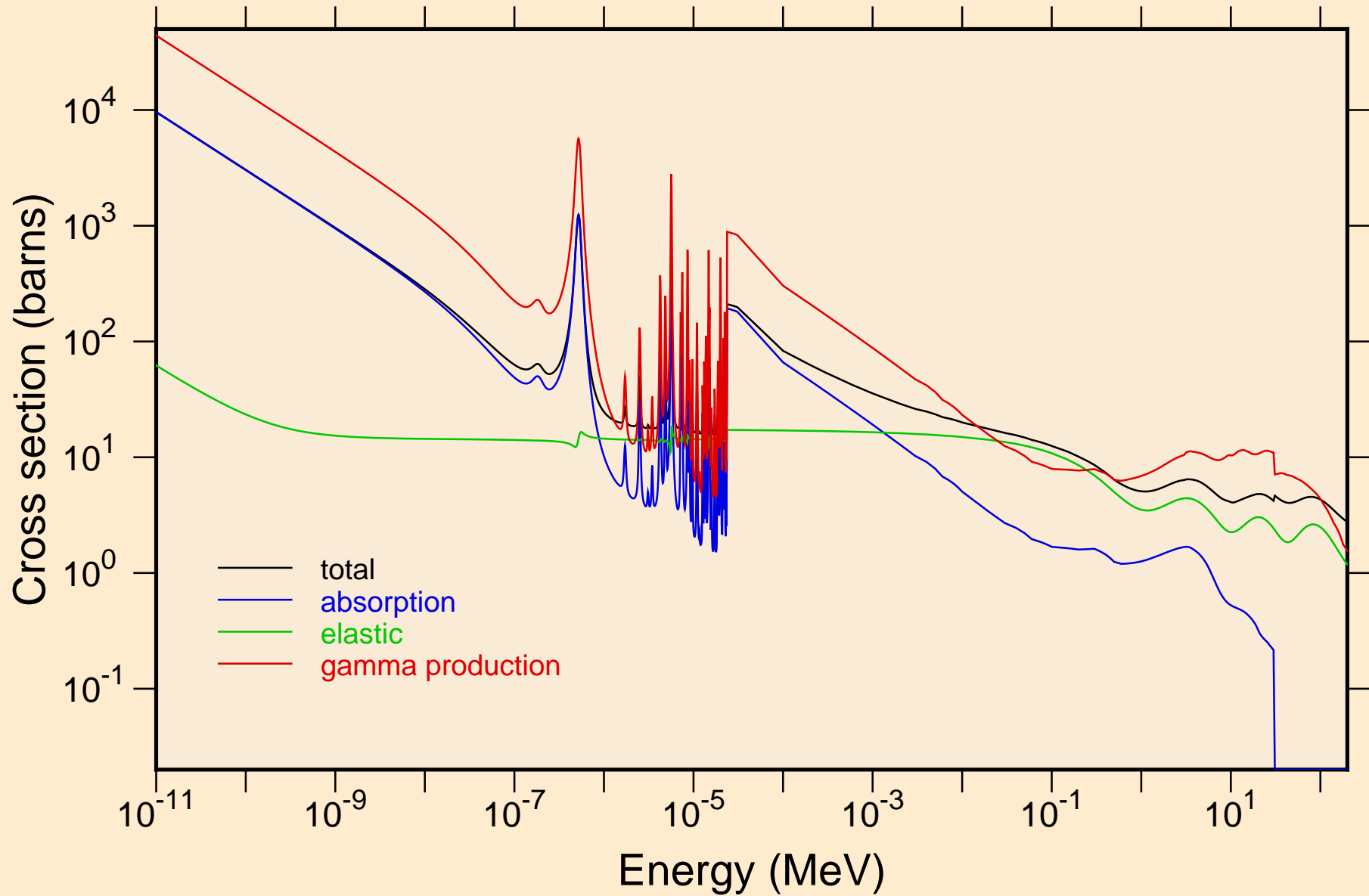
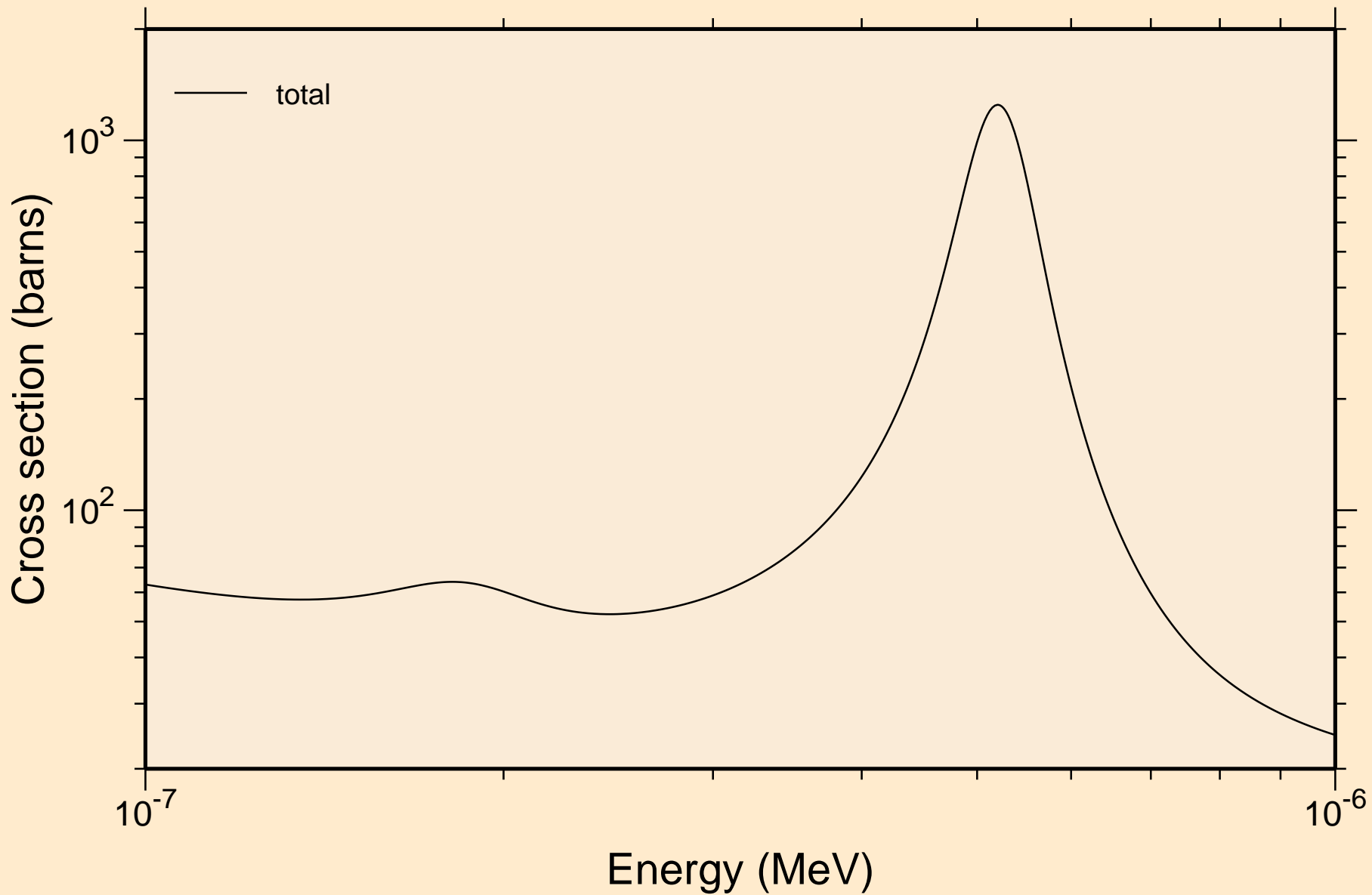


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

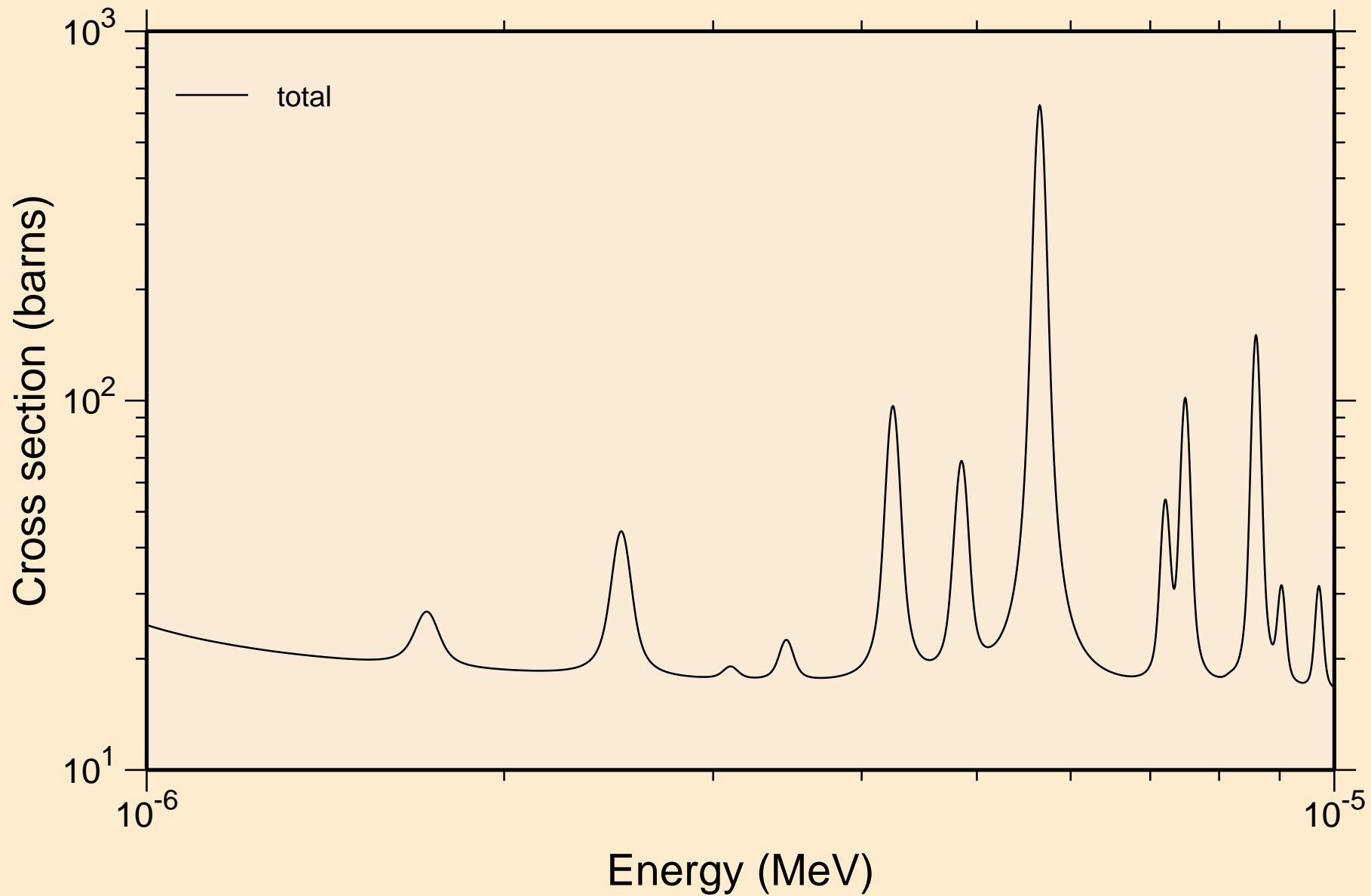
## Principal cross sections



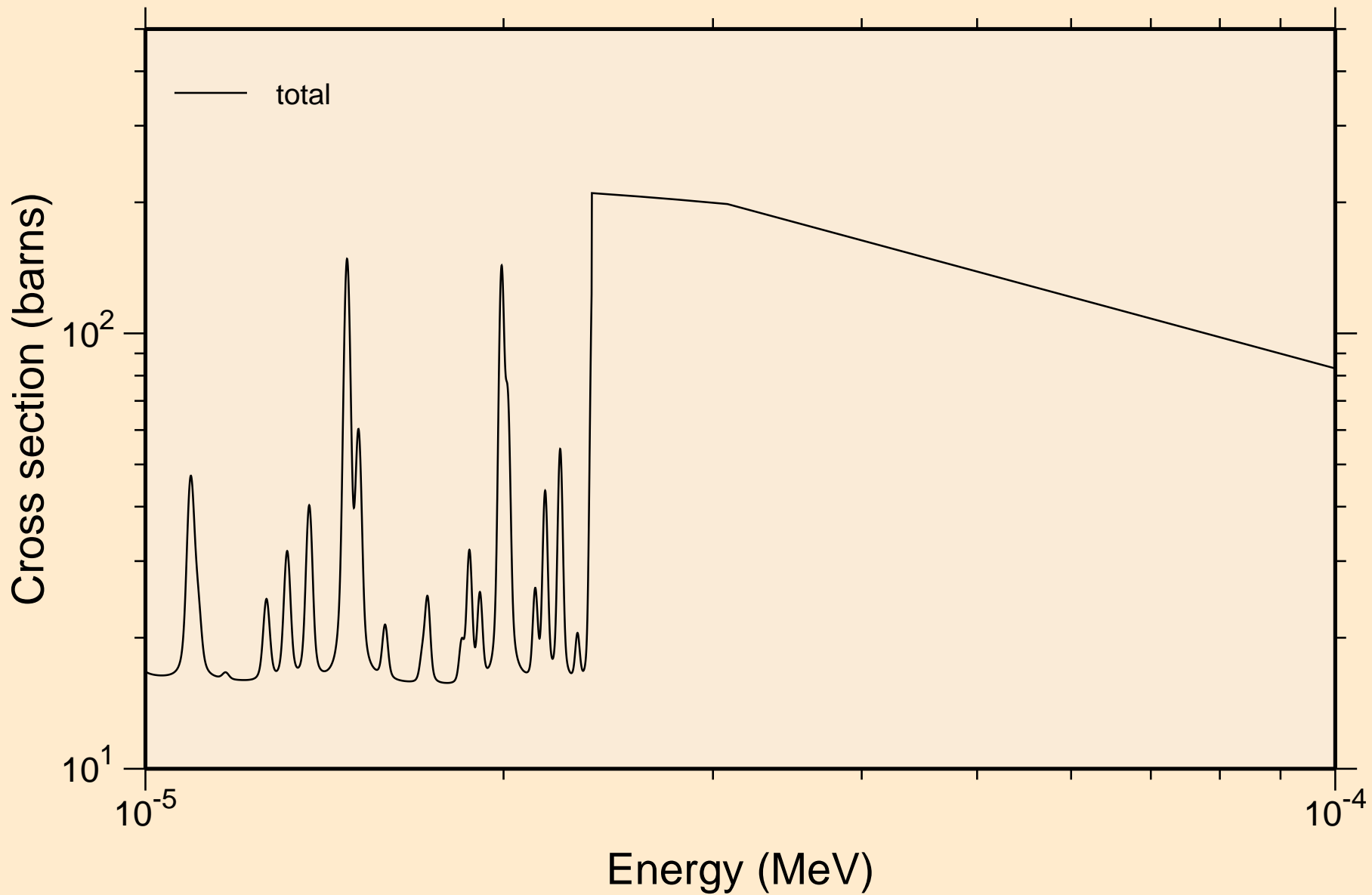
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



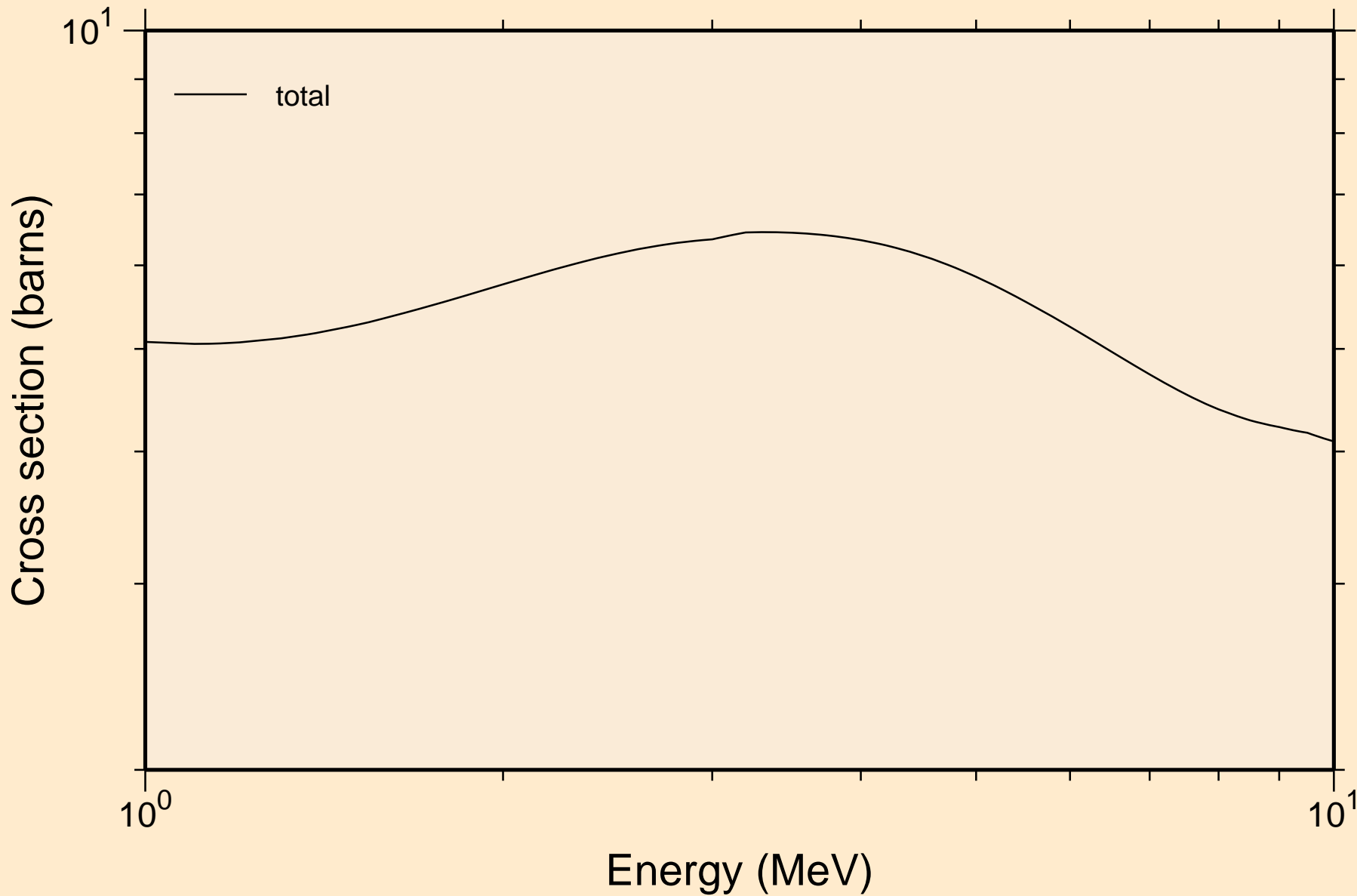
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



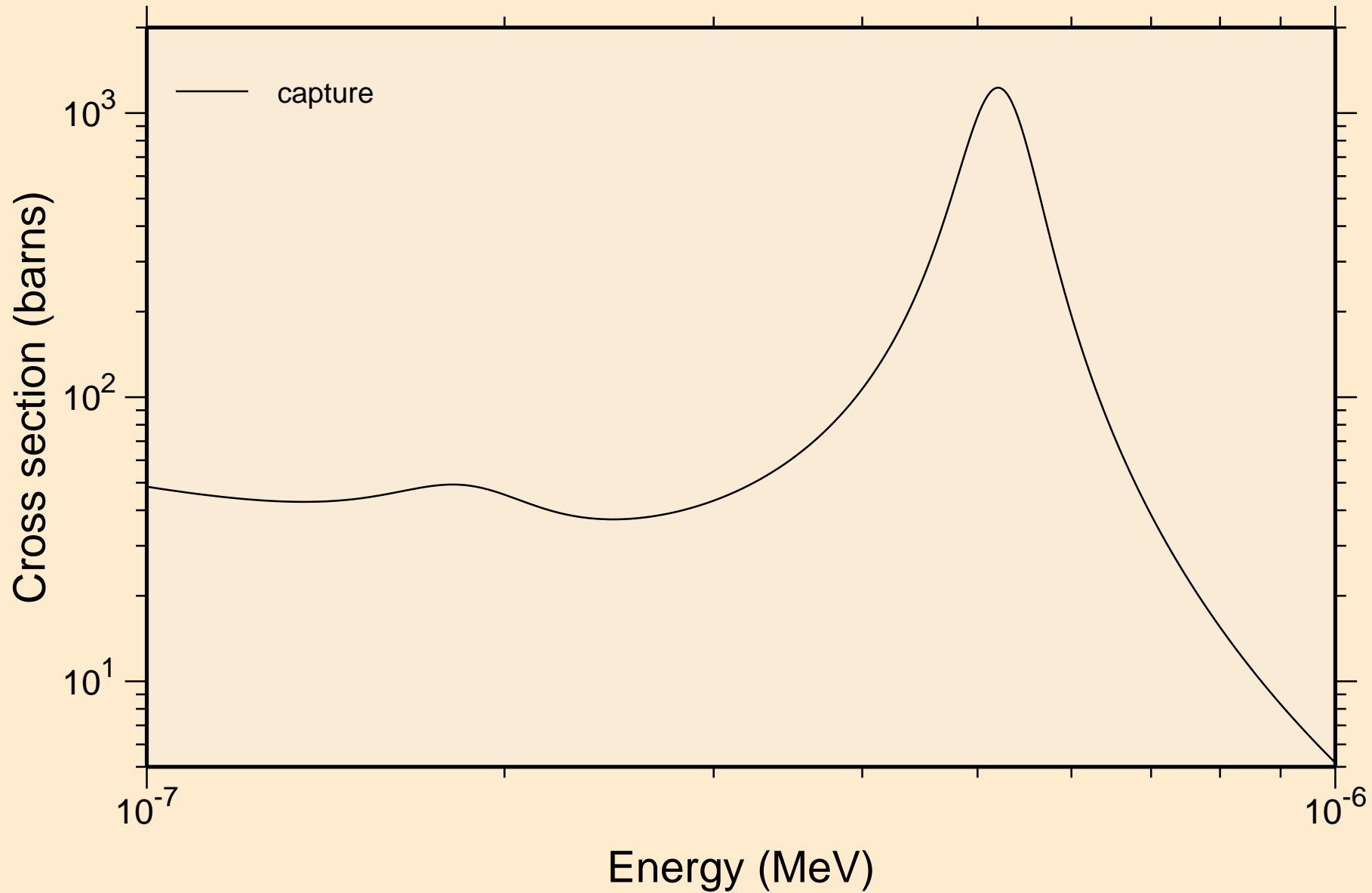
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



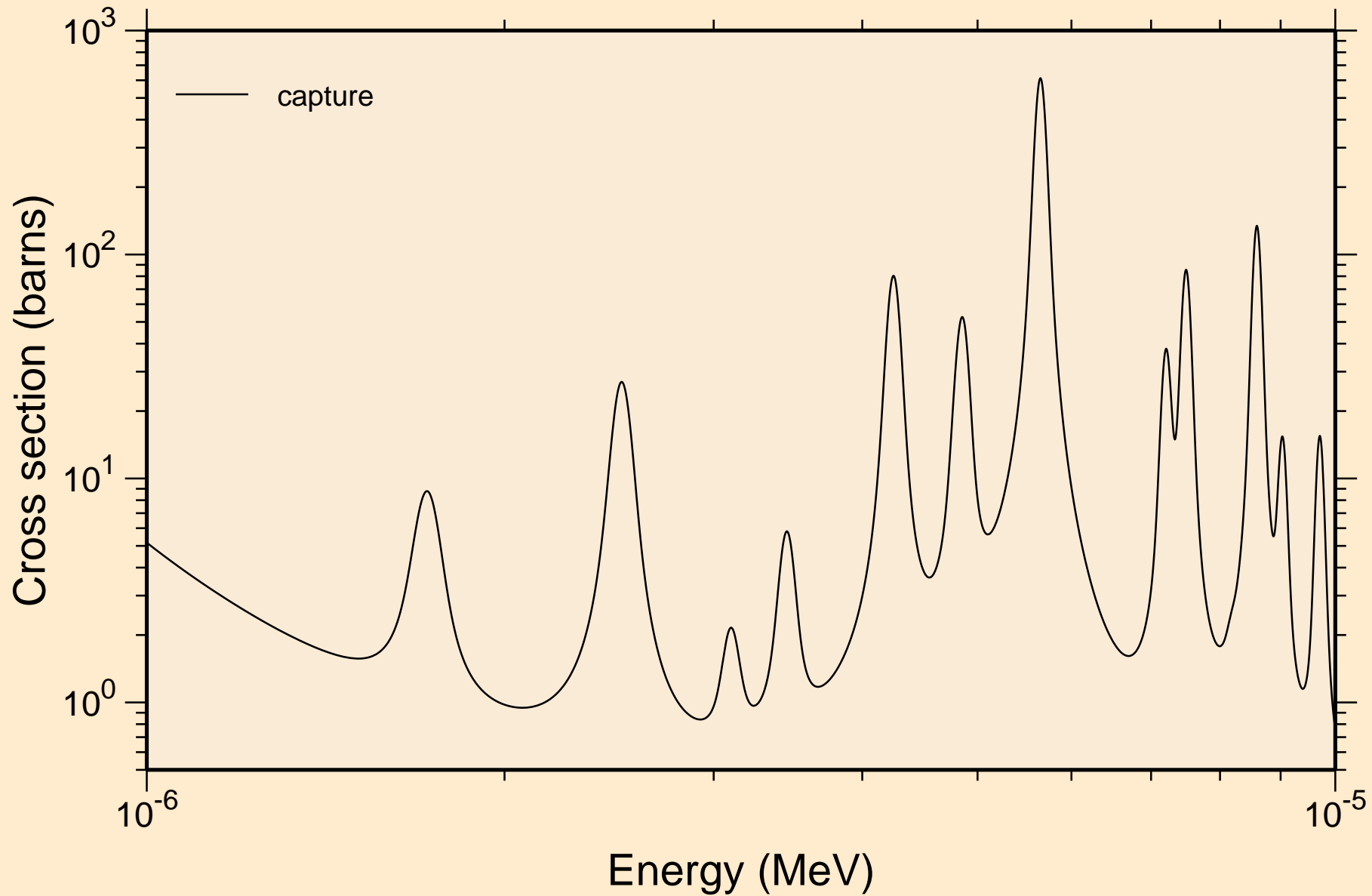
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



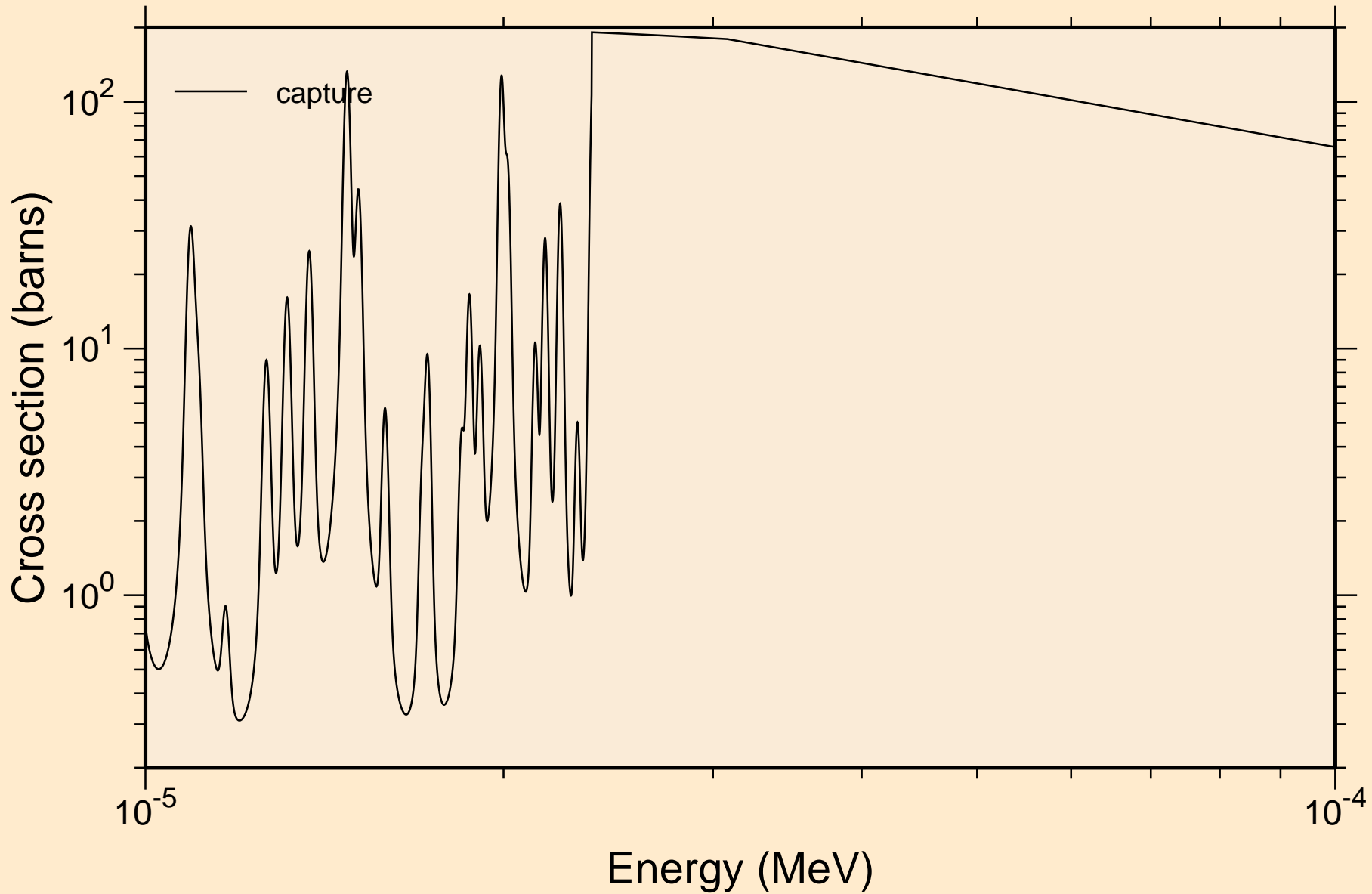
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

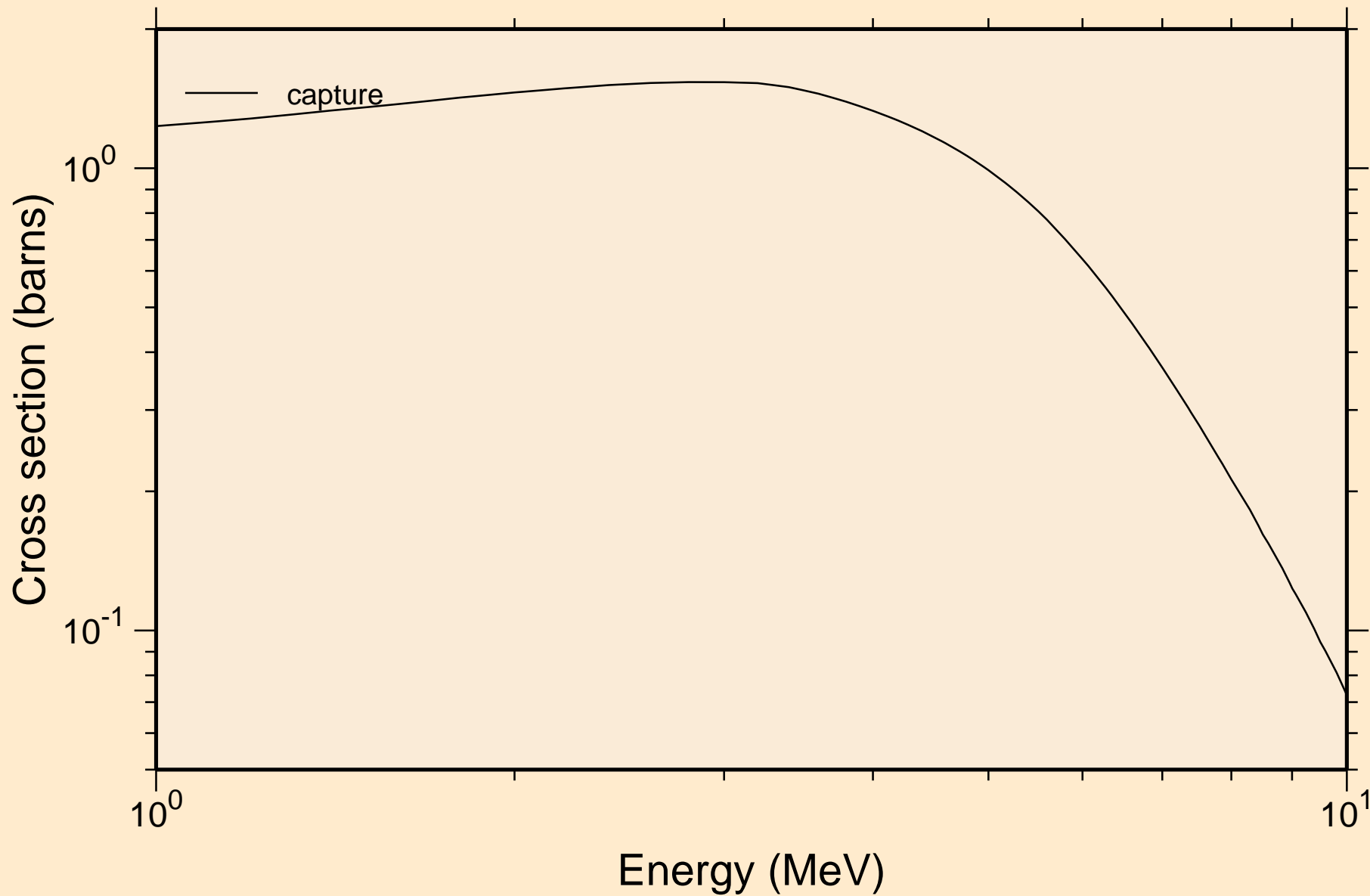


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

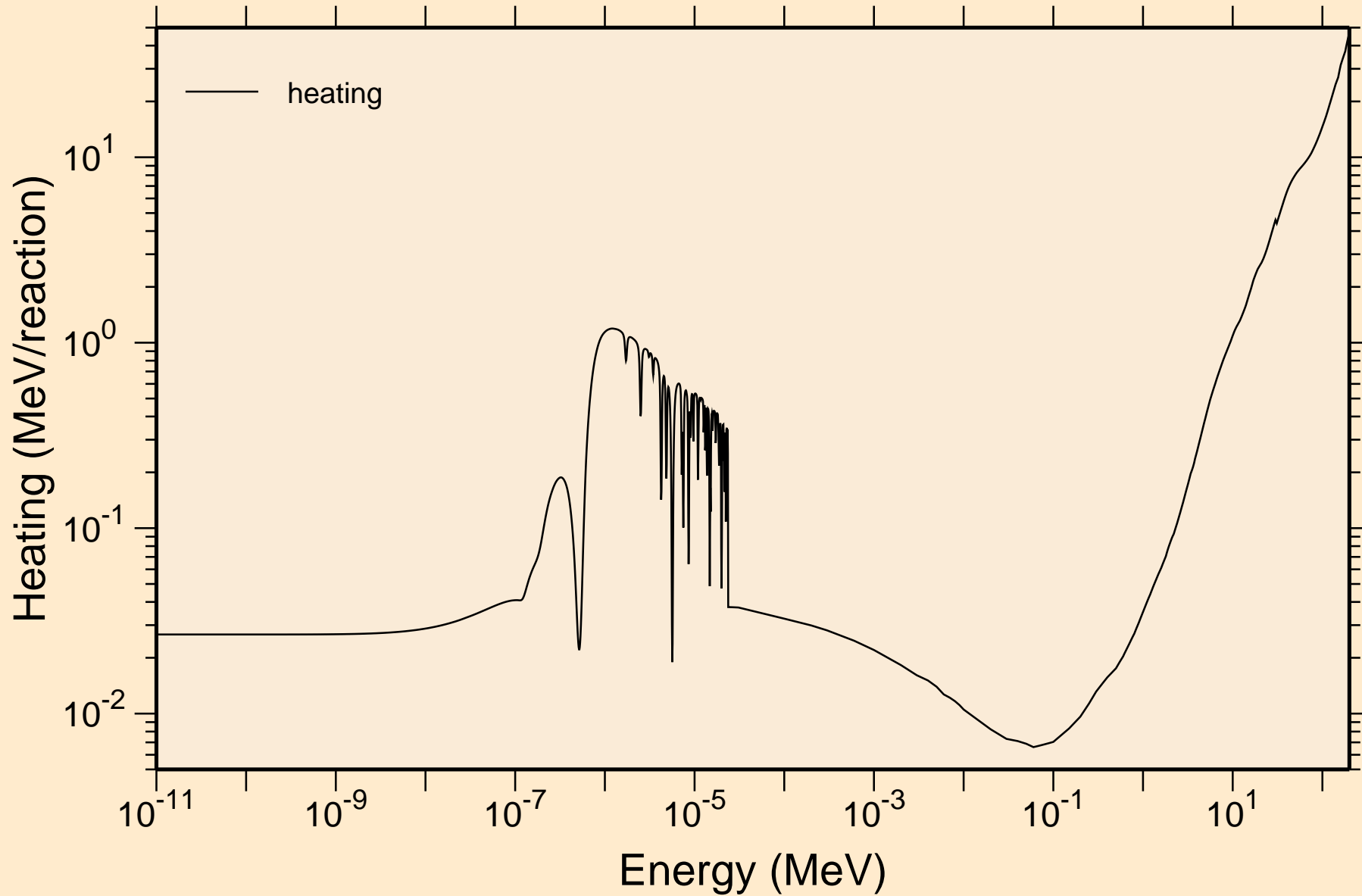




HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

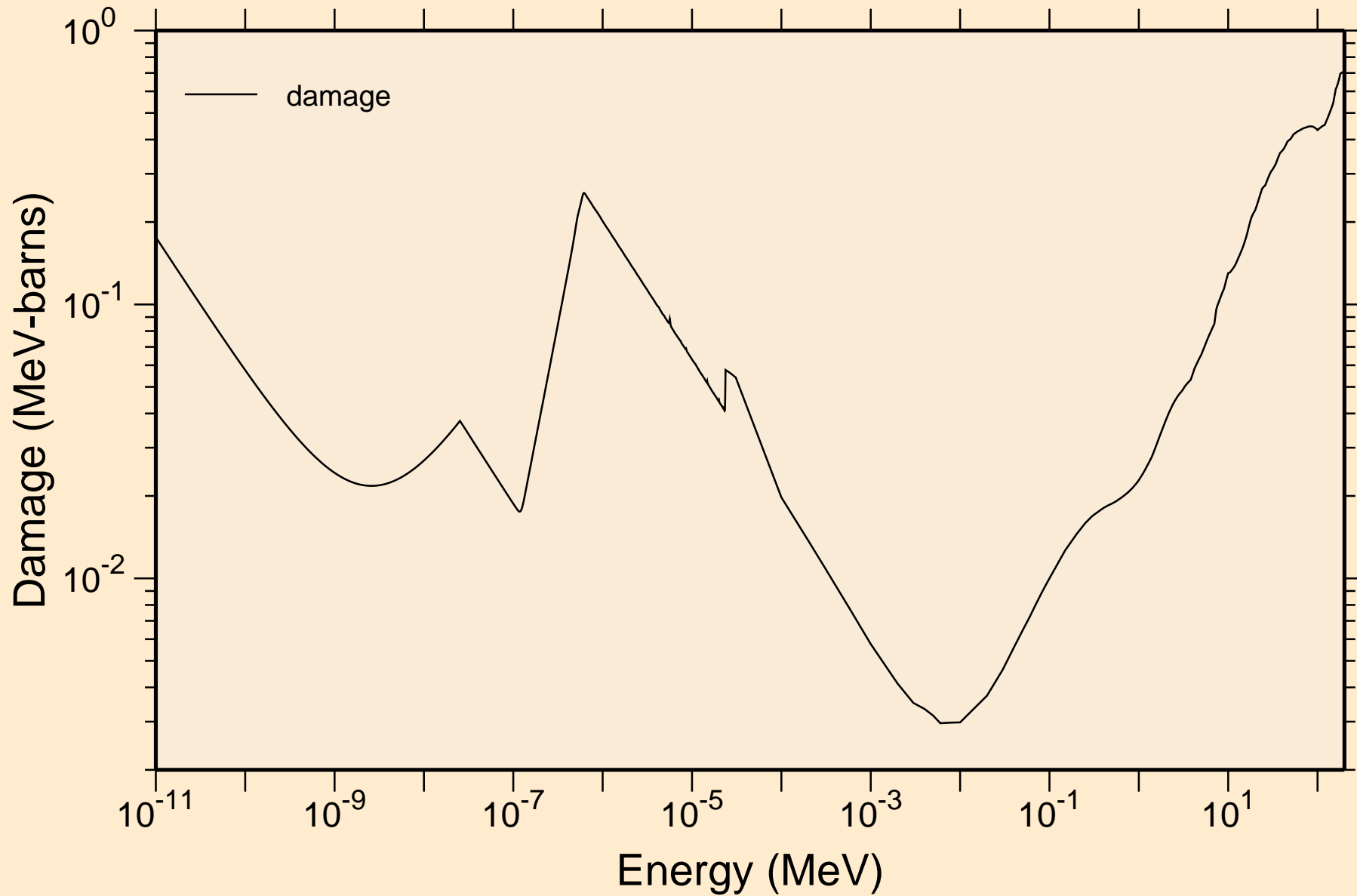


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



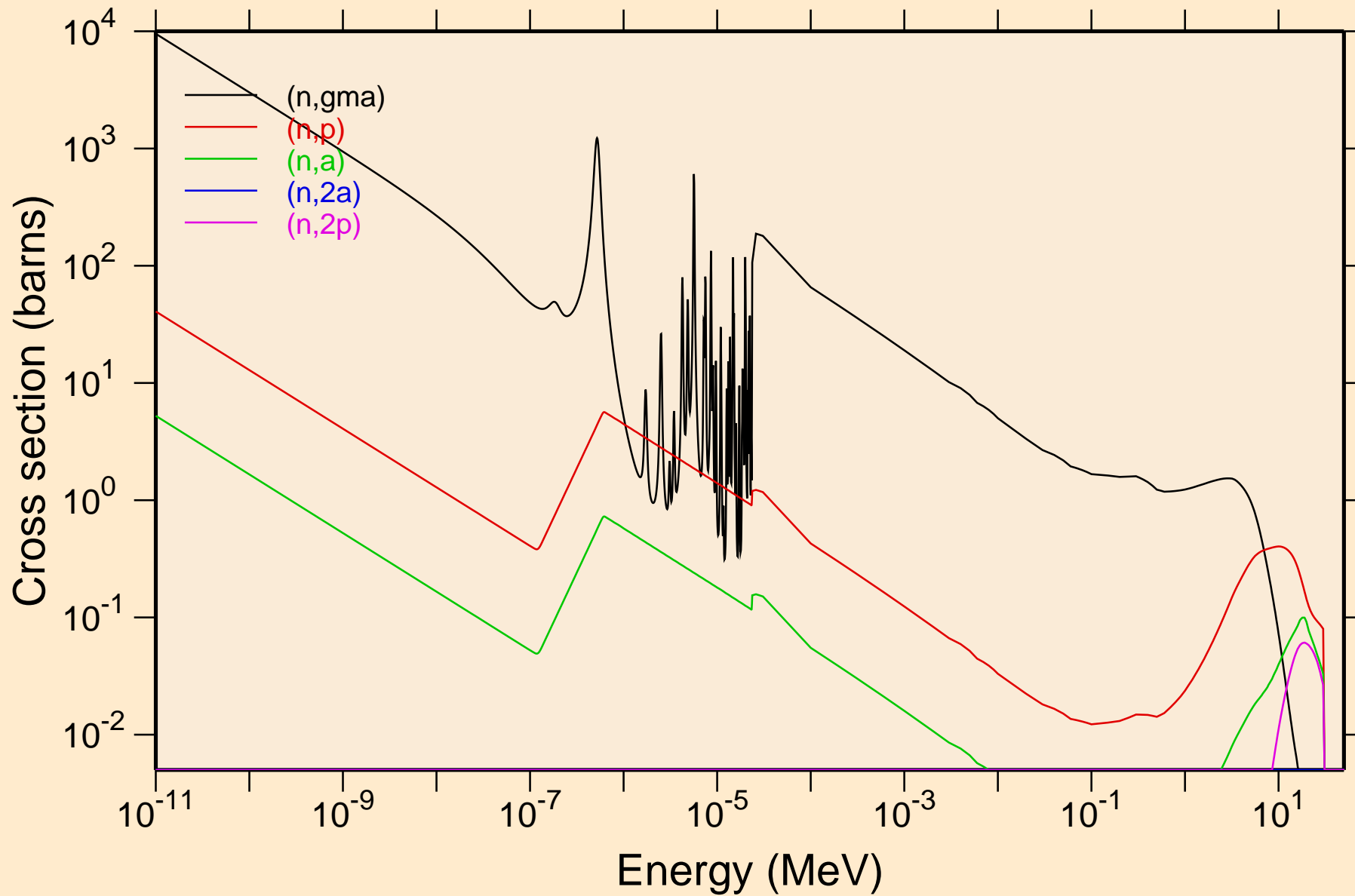
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

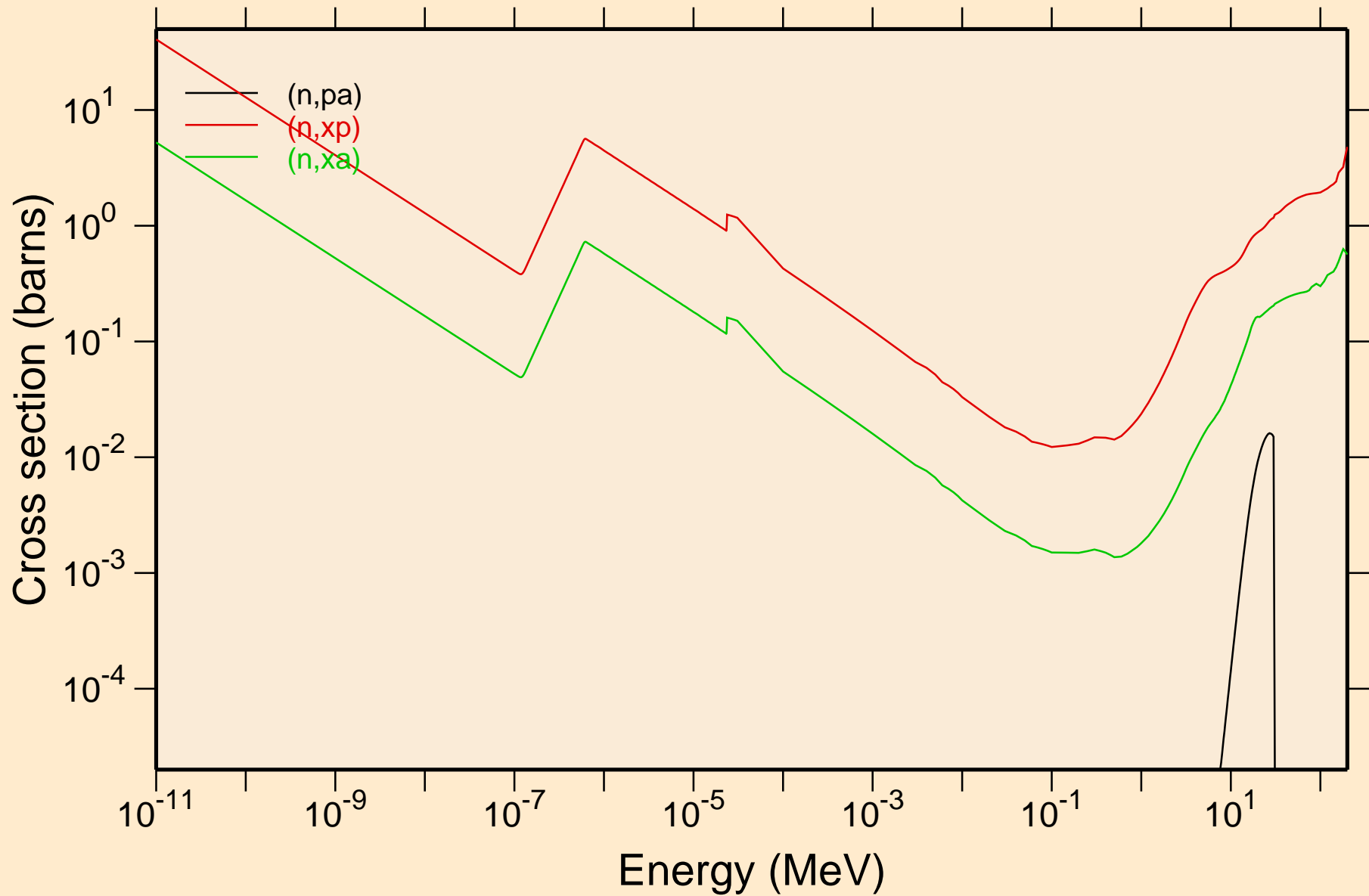


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

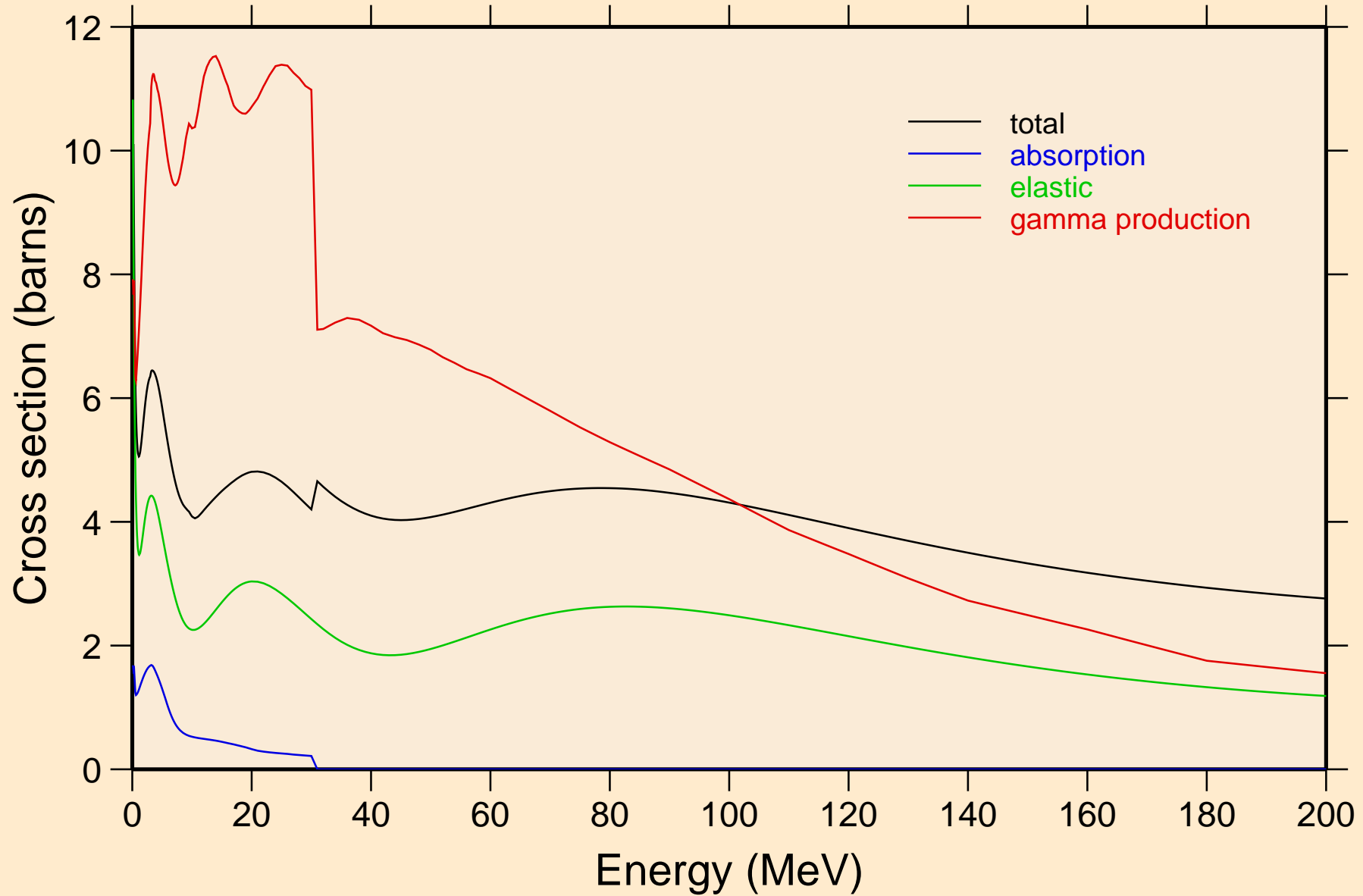


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

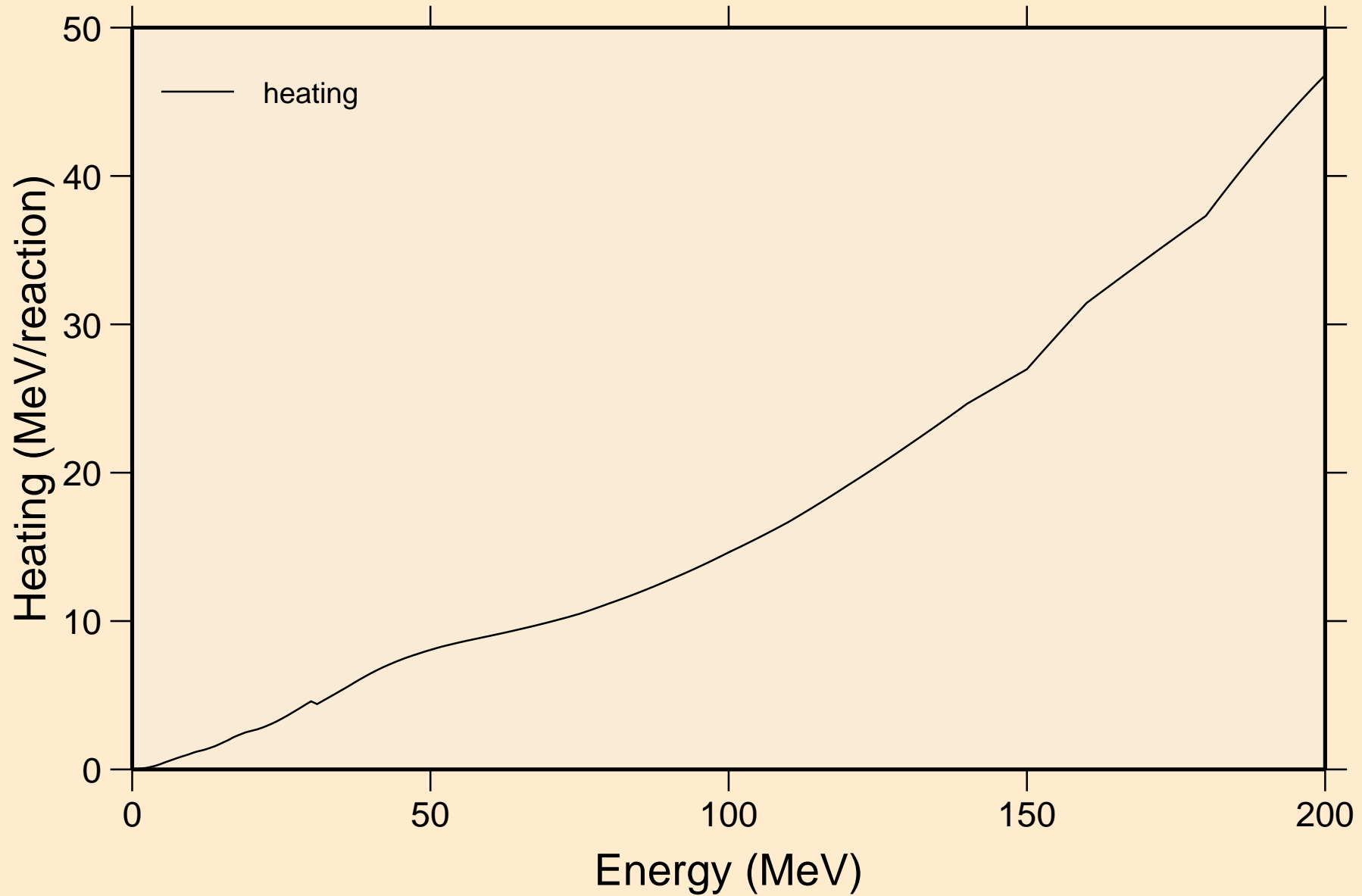


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

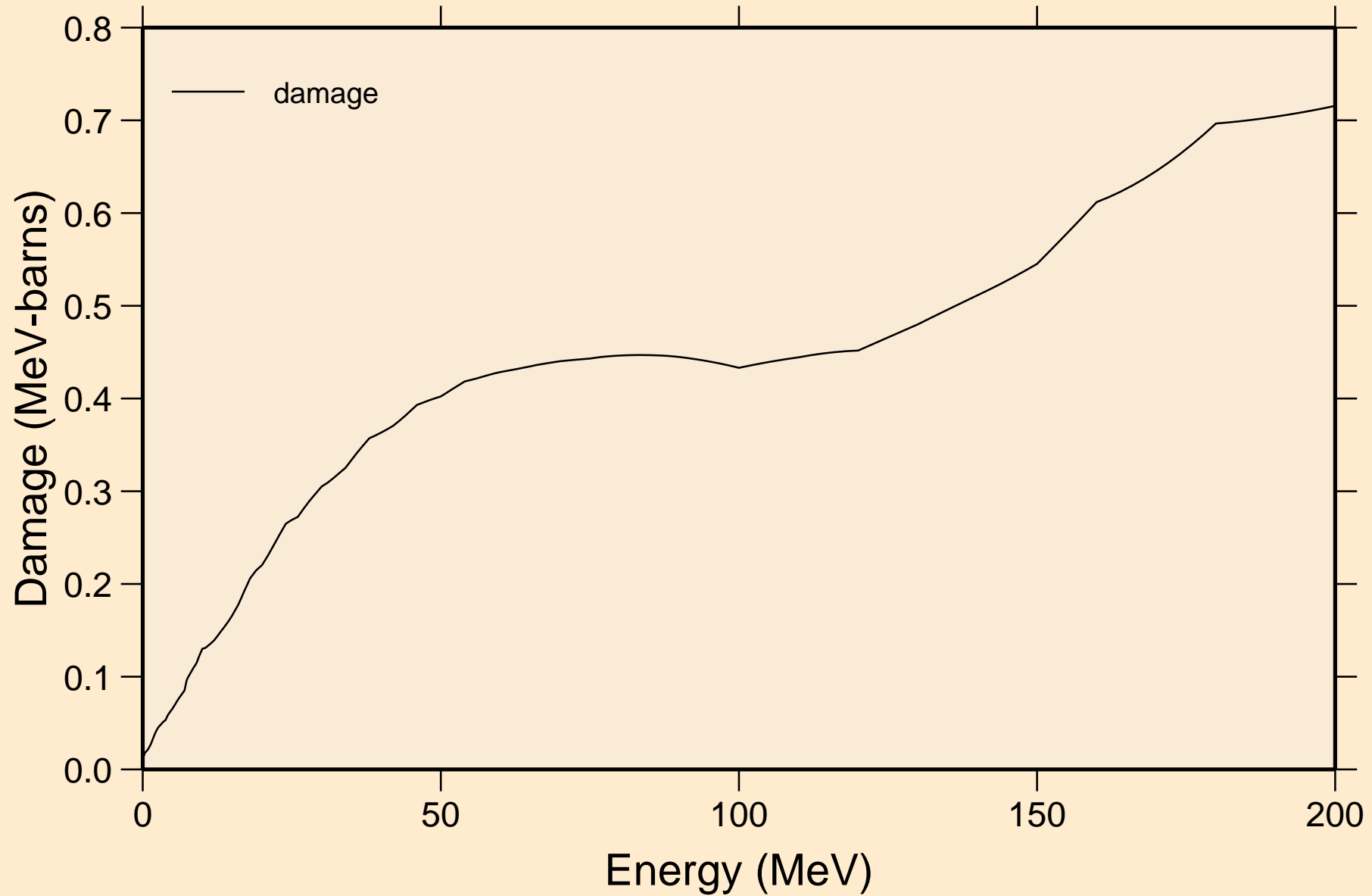


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



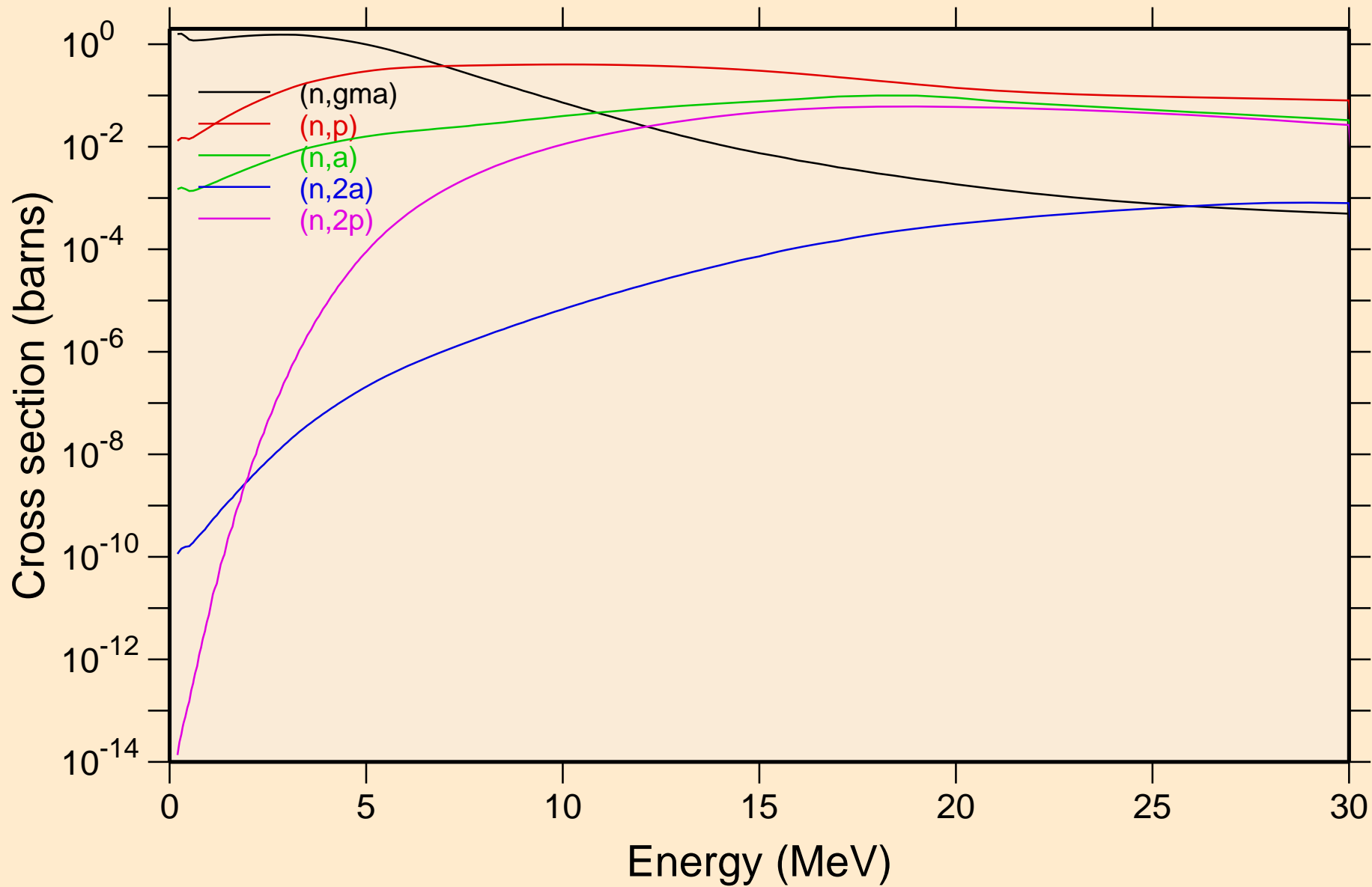
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

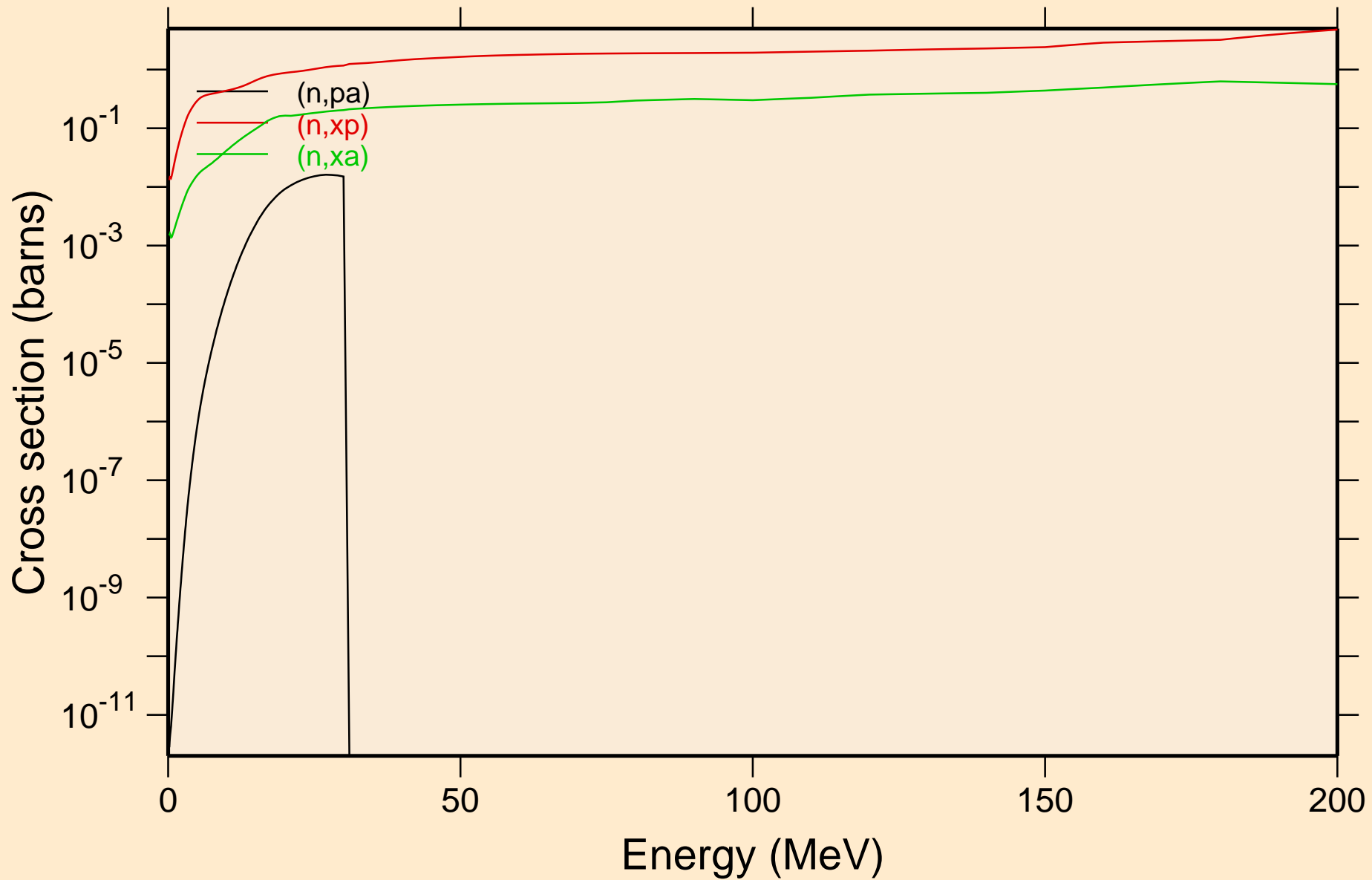




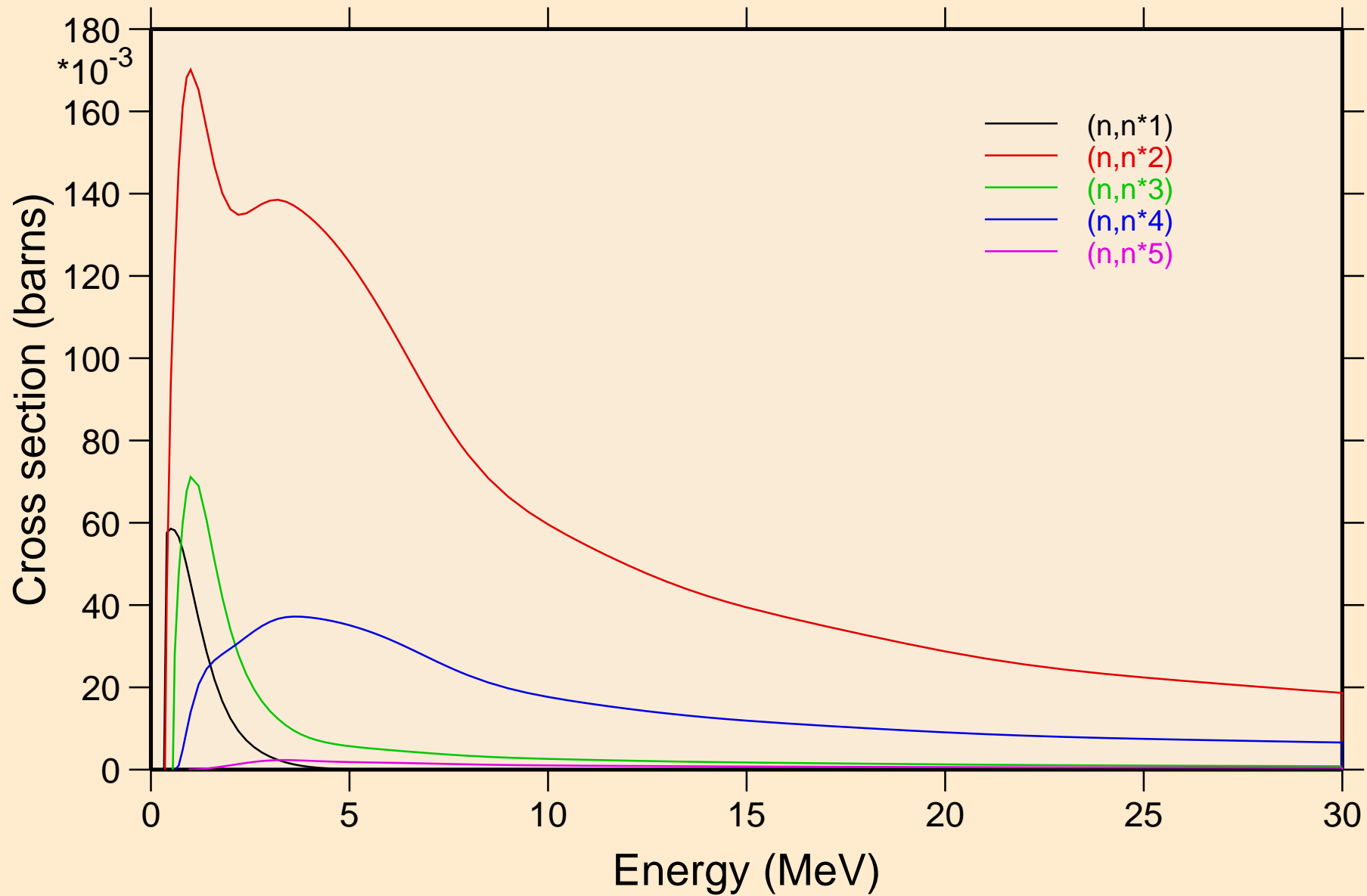
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

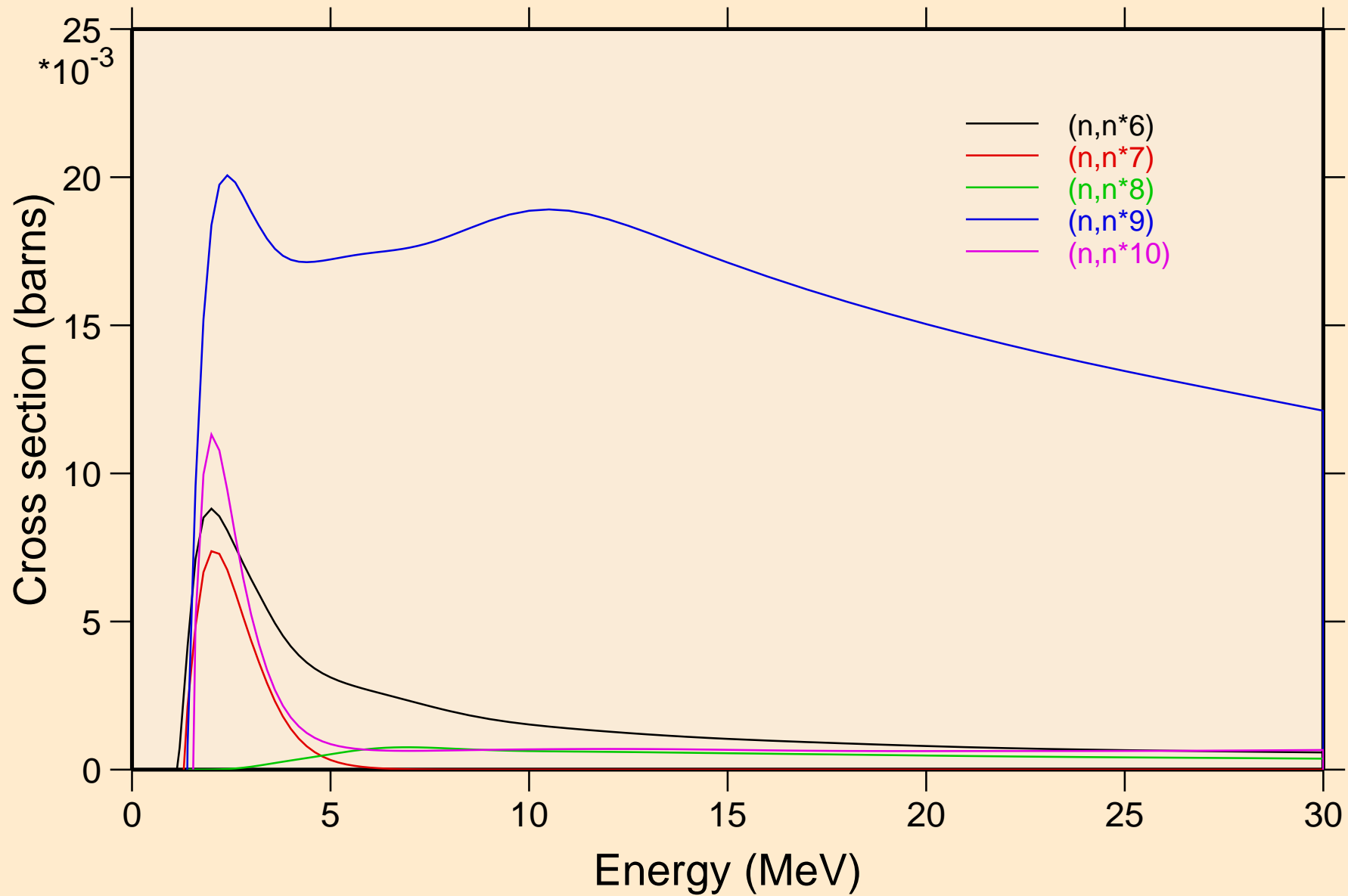


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



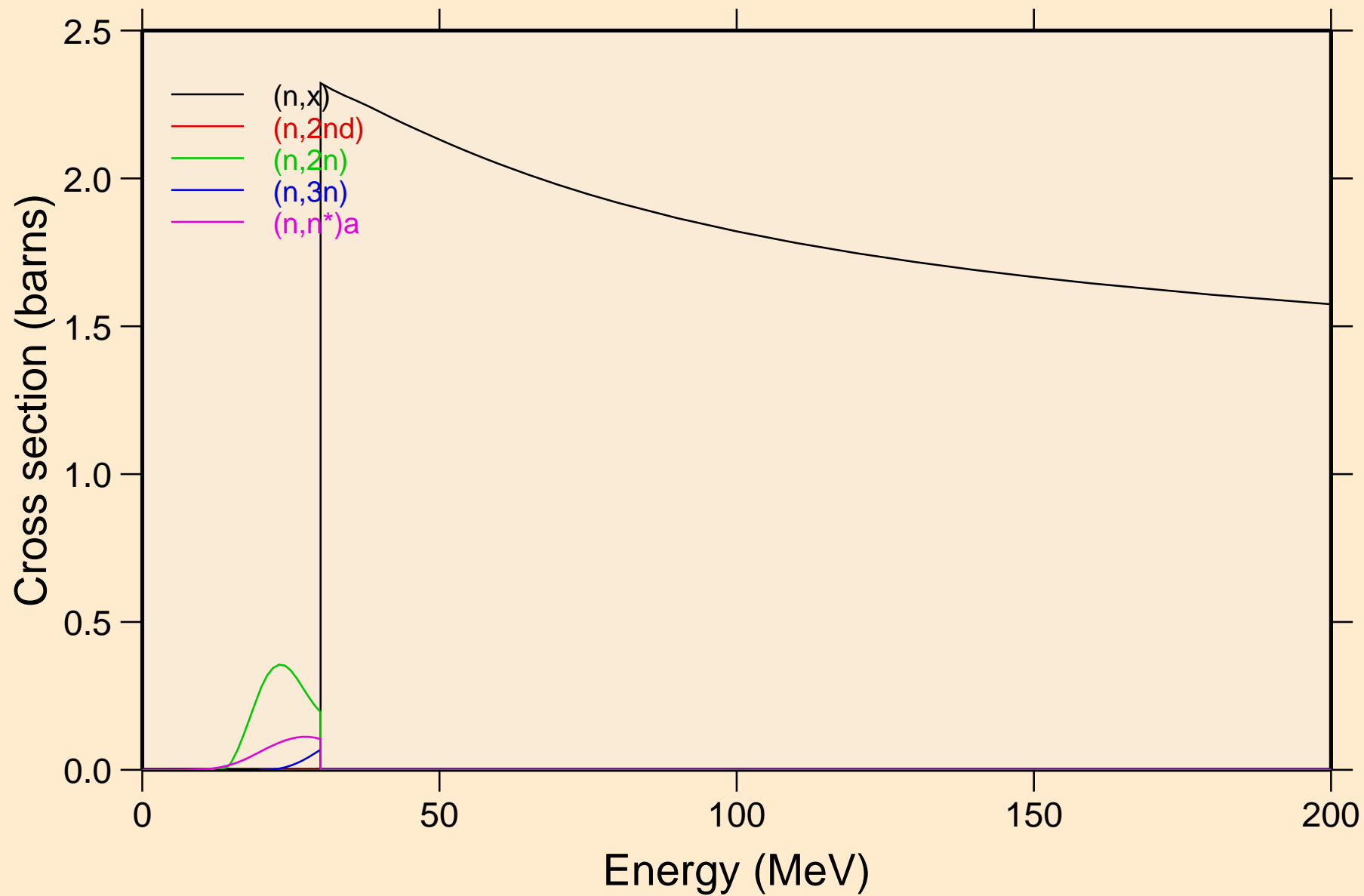
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Inelastic levels



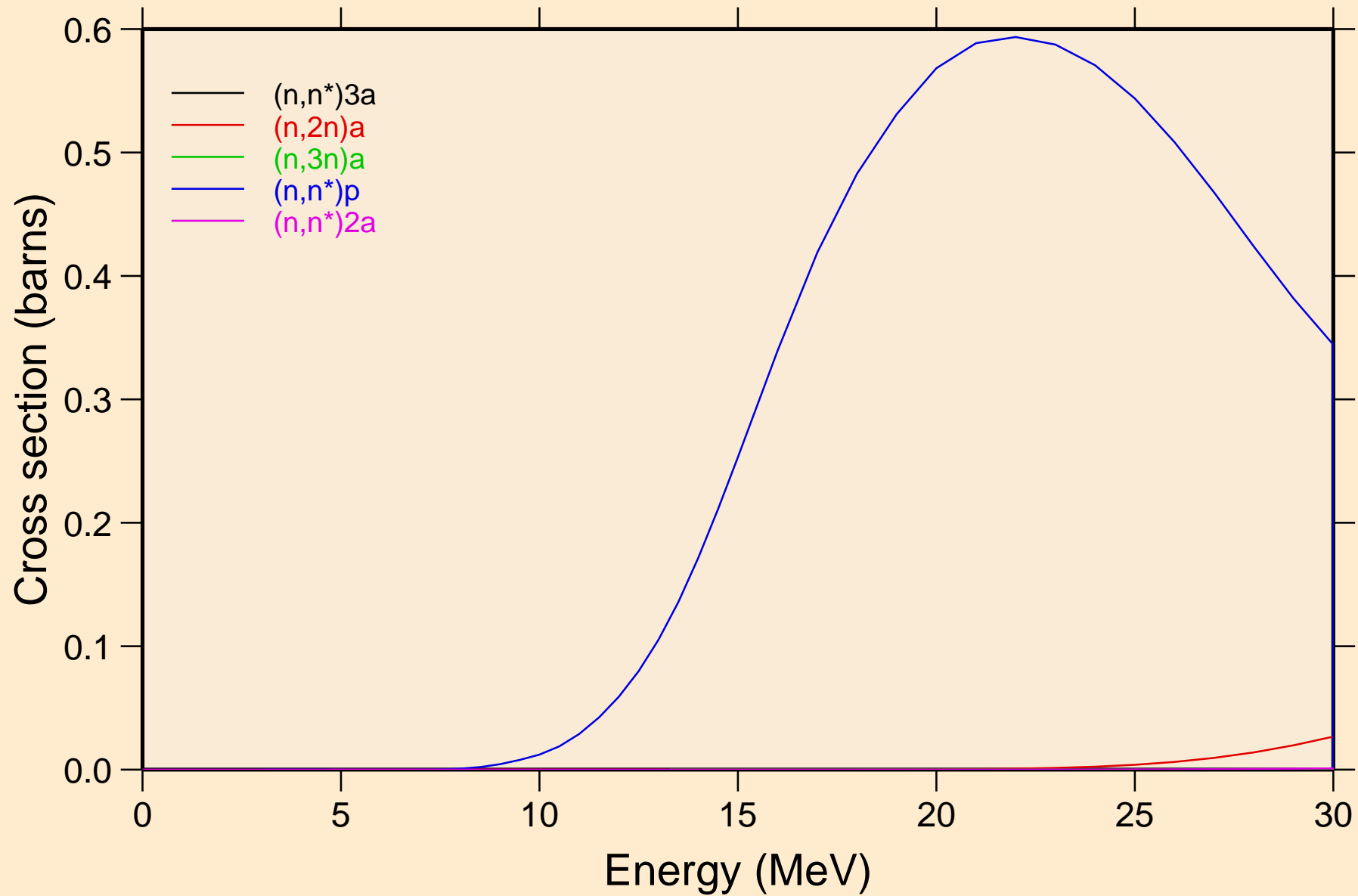
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



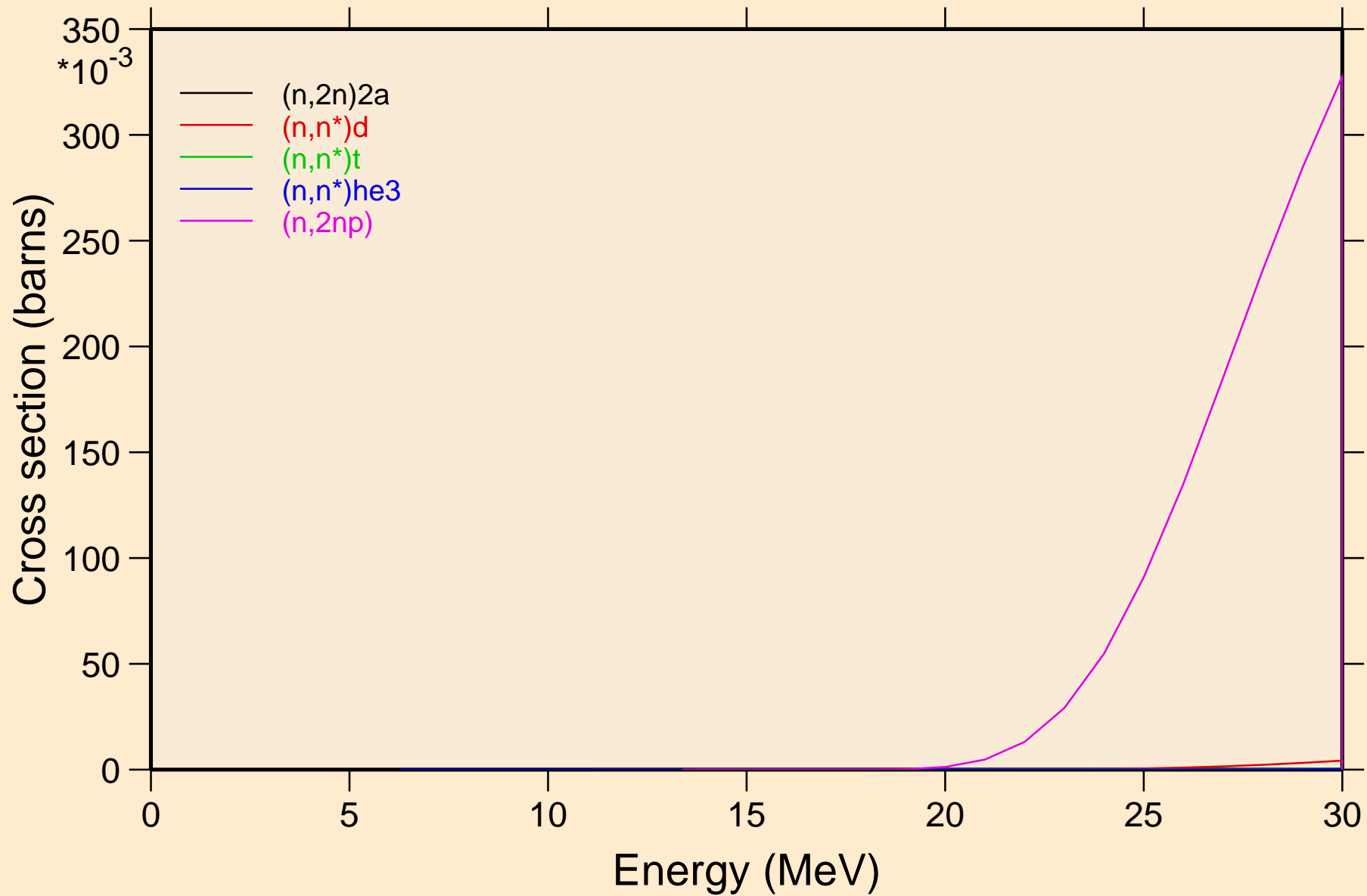
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

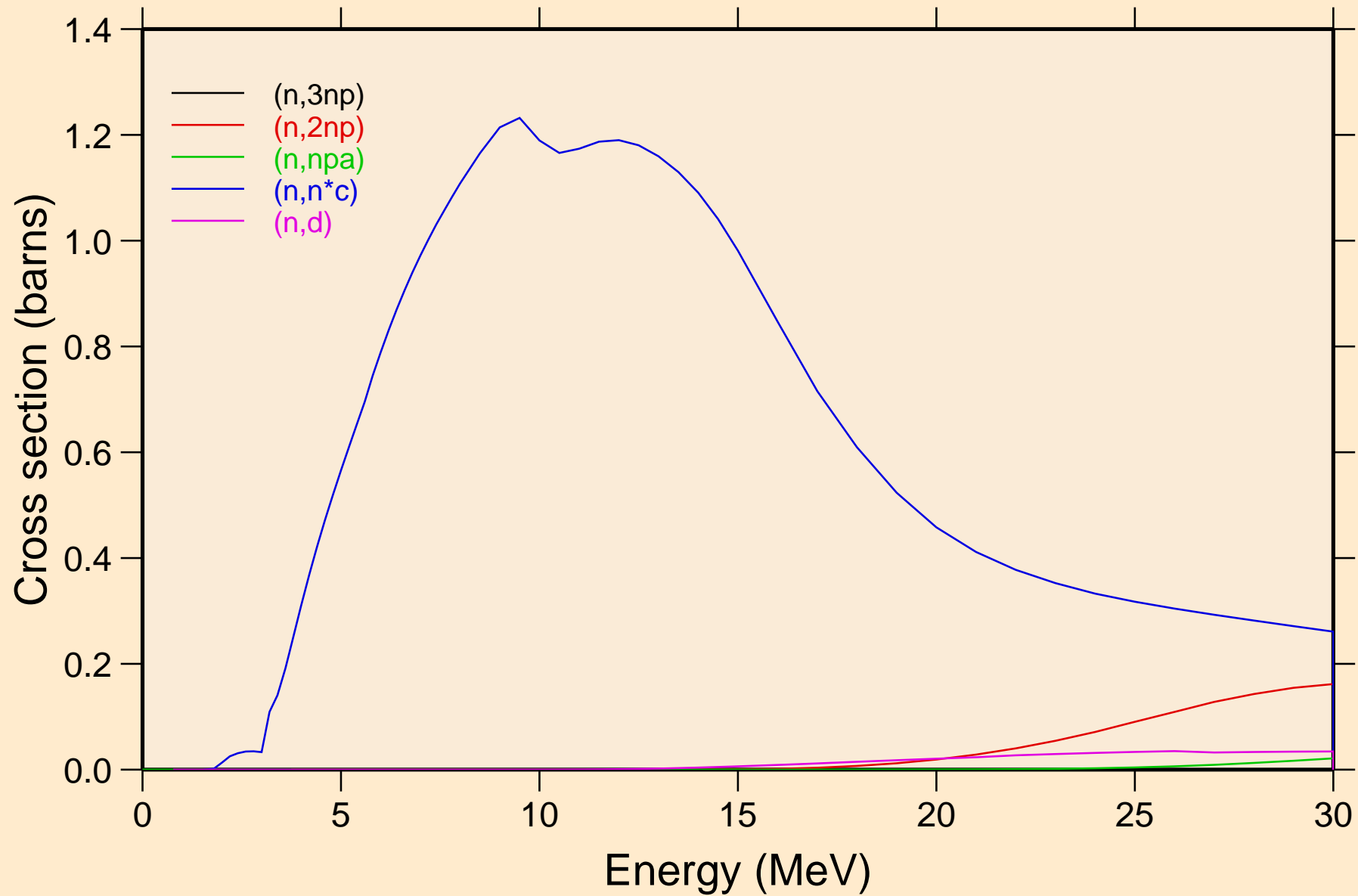


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



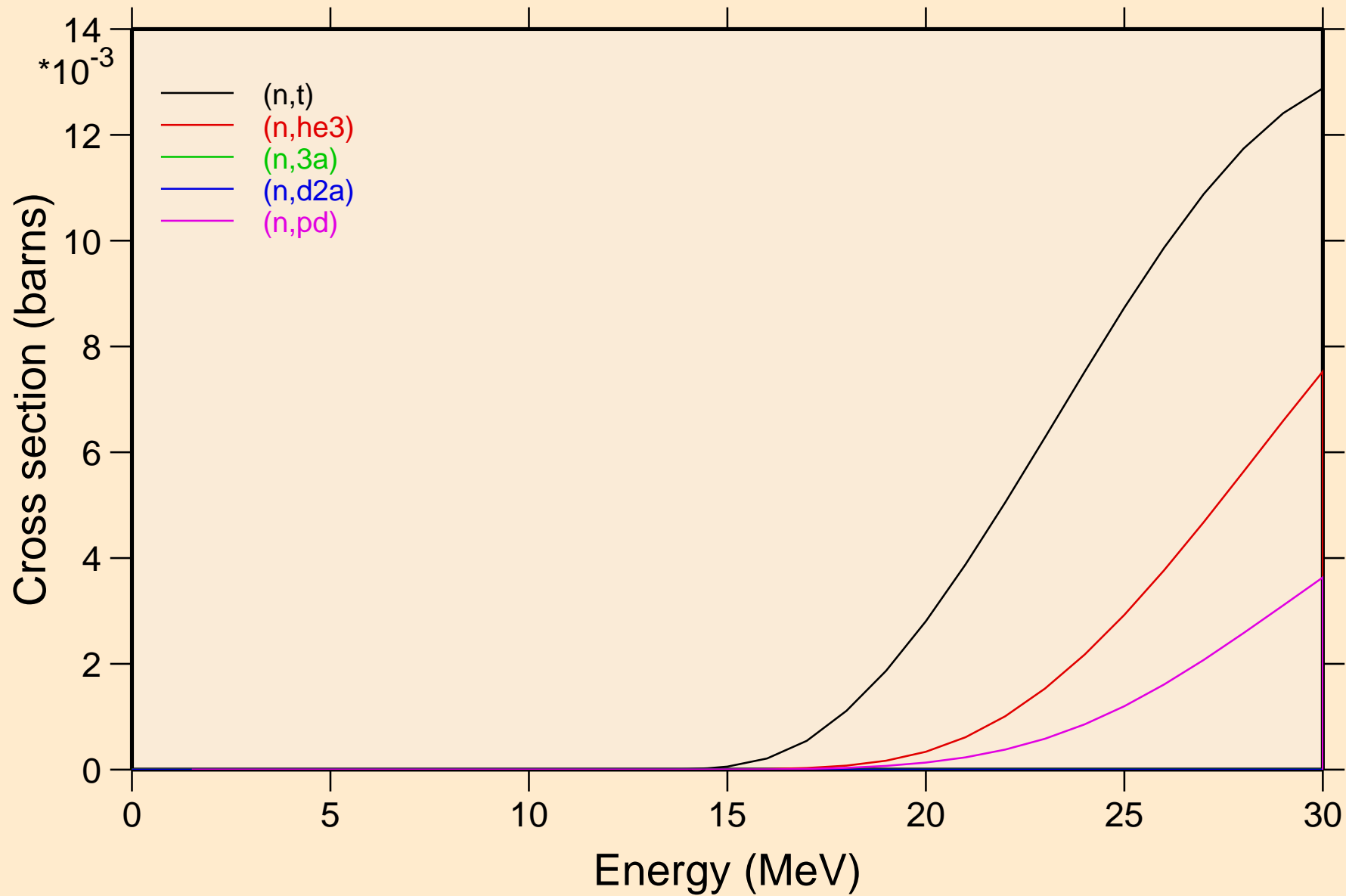
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions





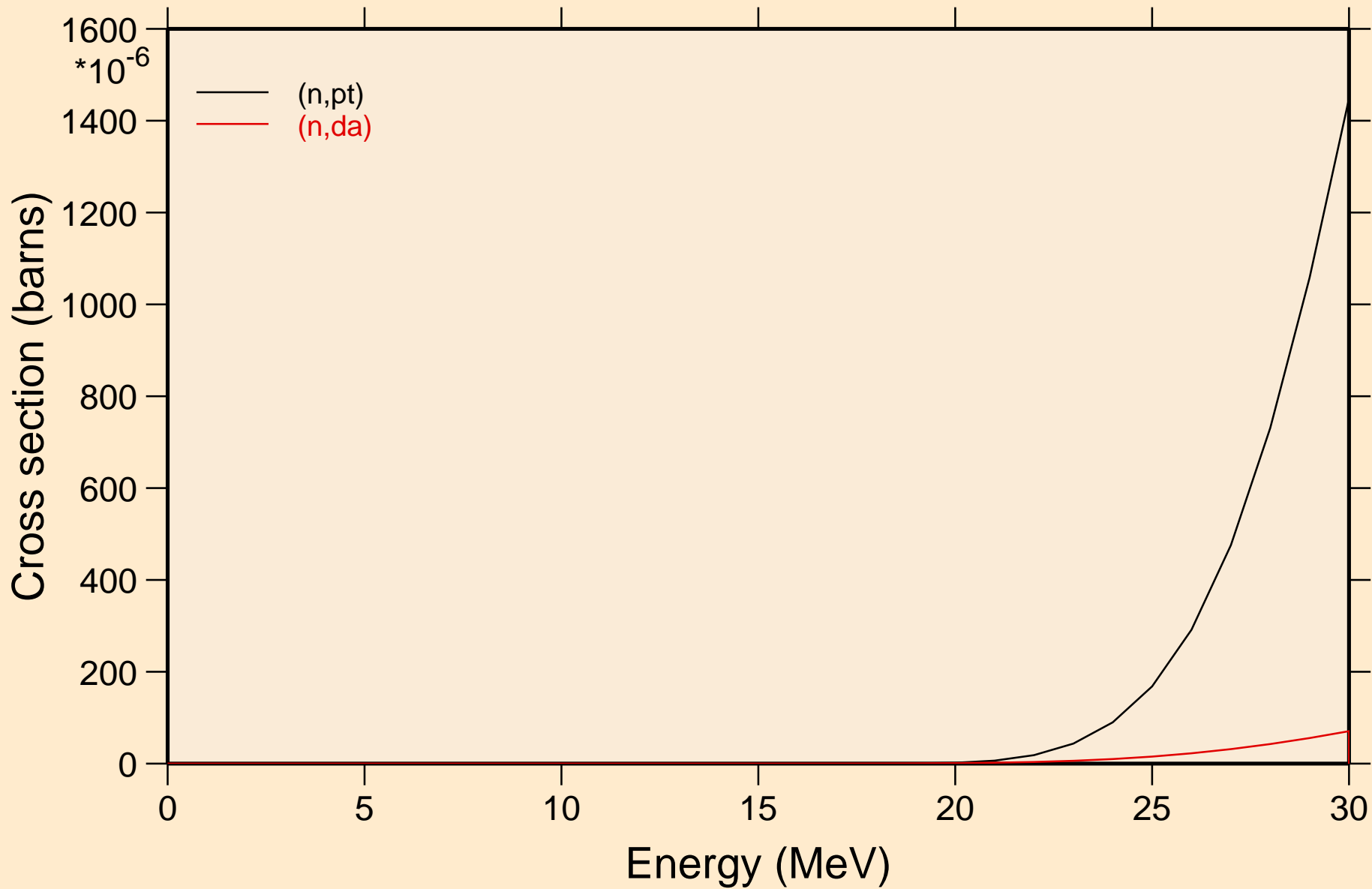
# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

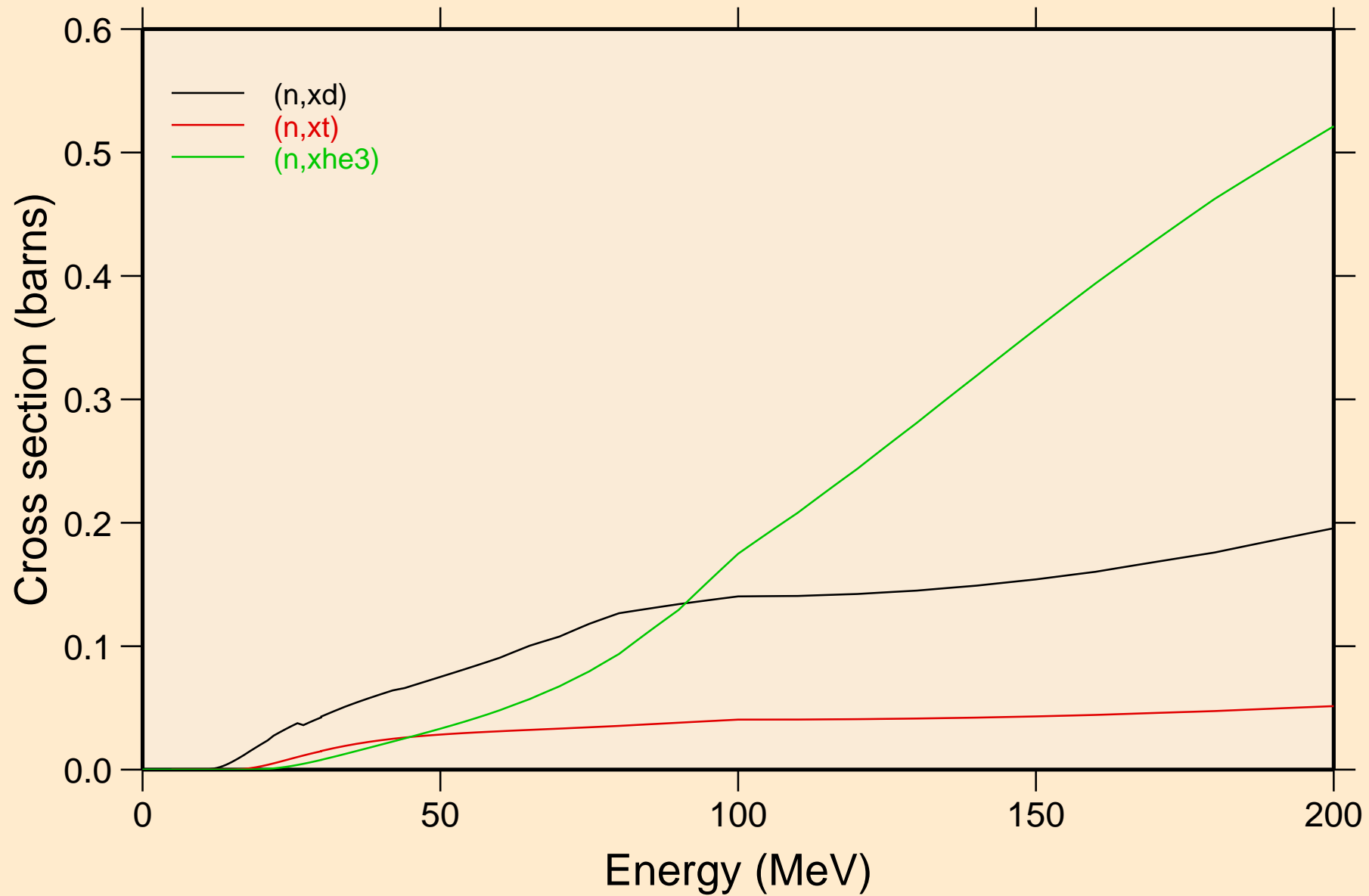


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

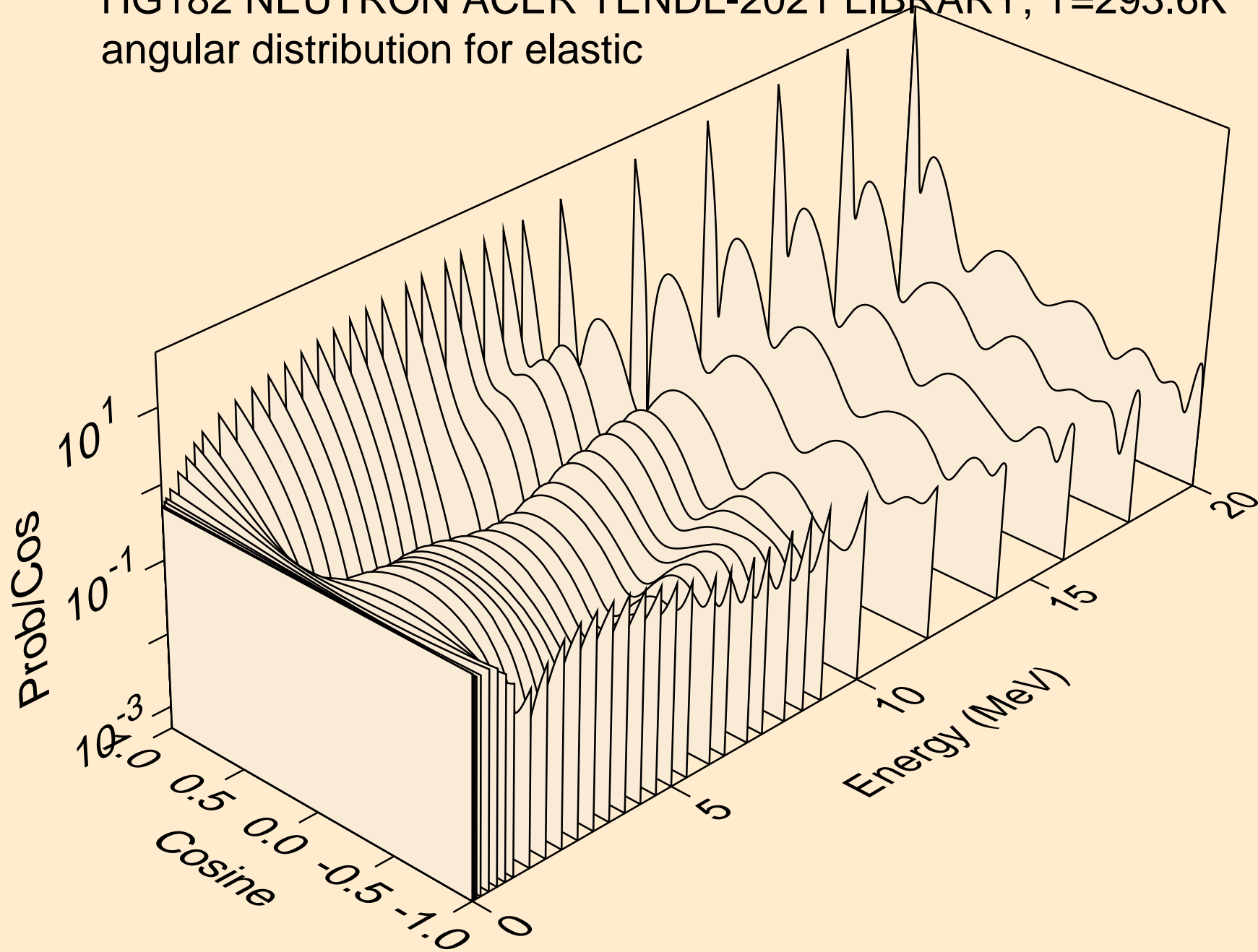
## Threshold reactions



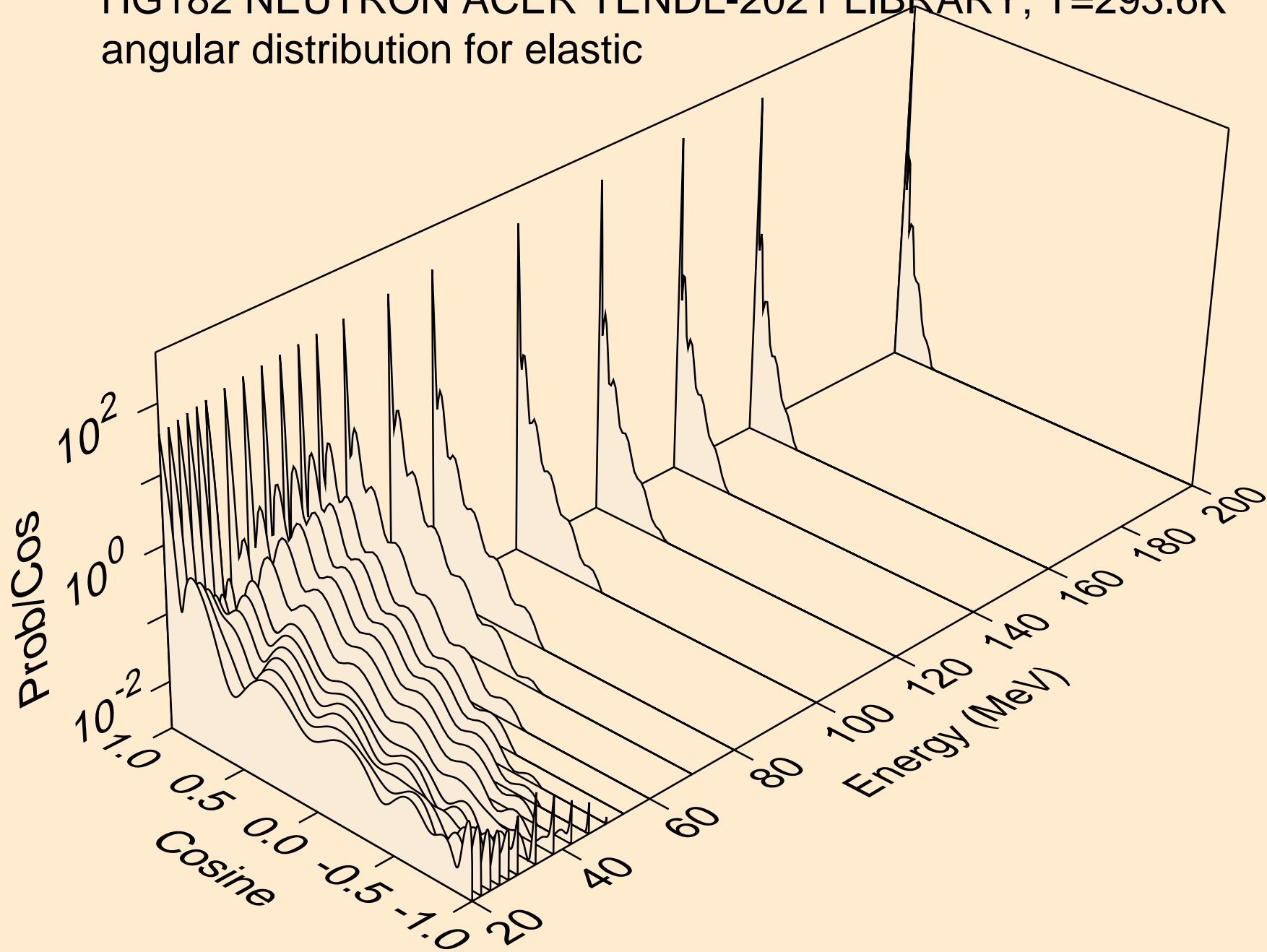
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



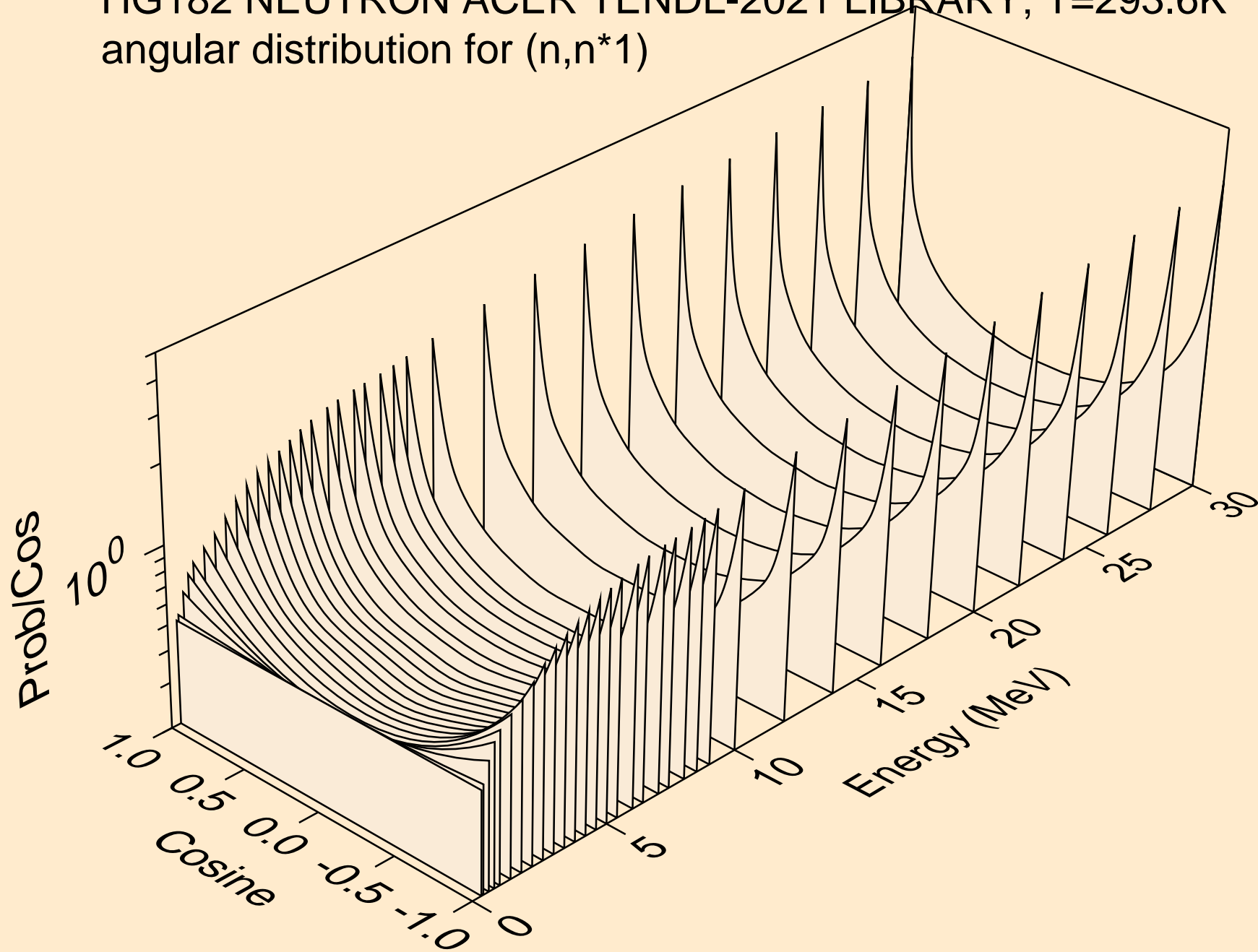
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



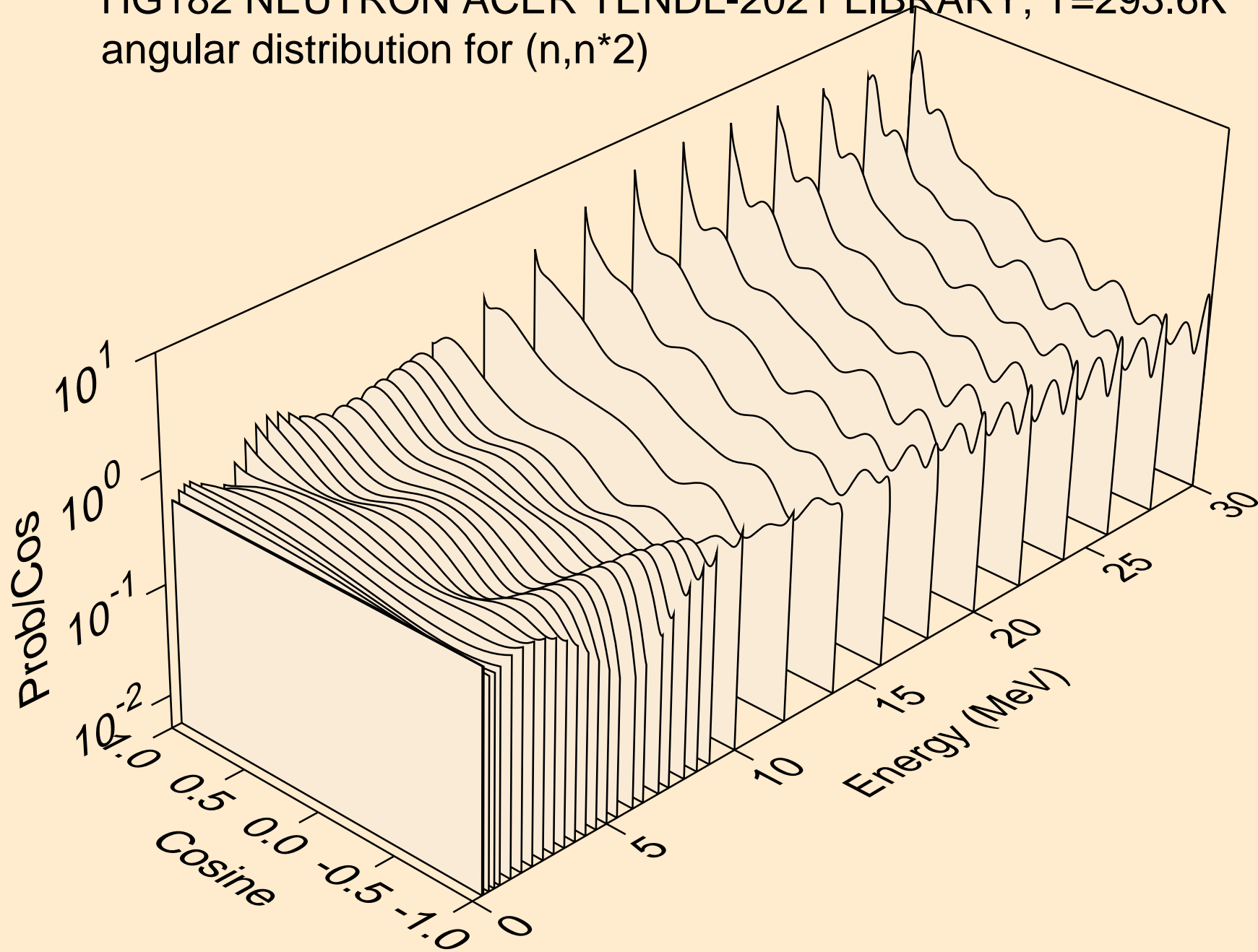
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



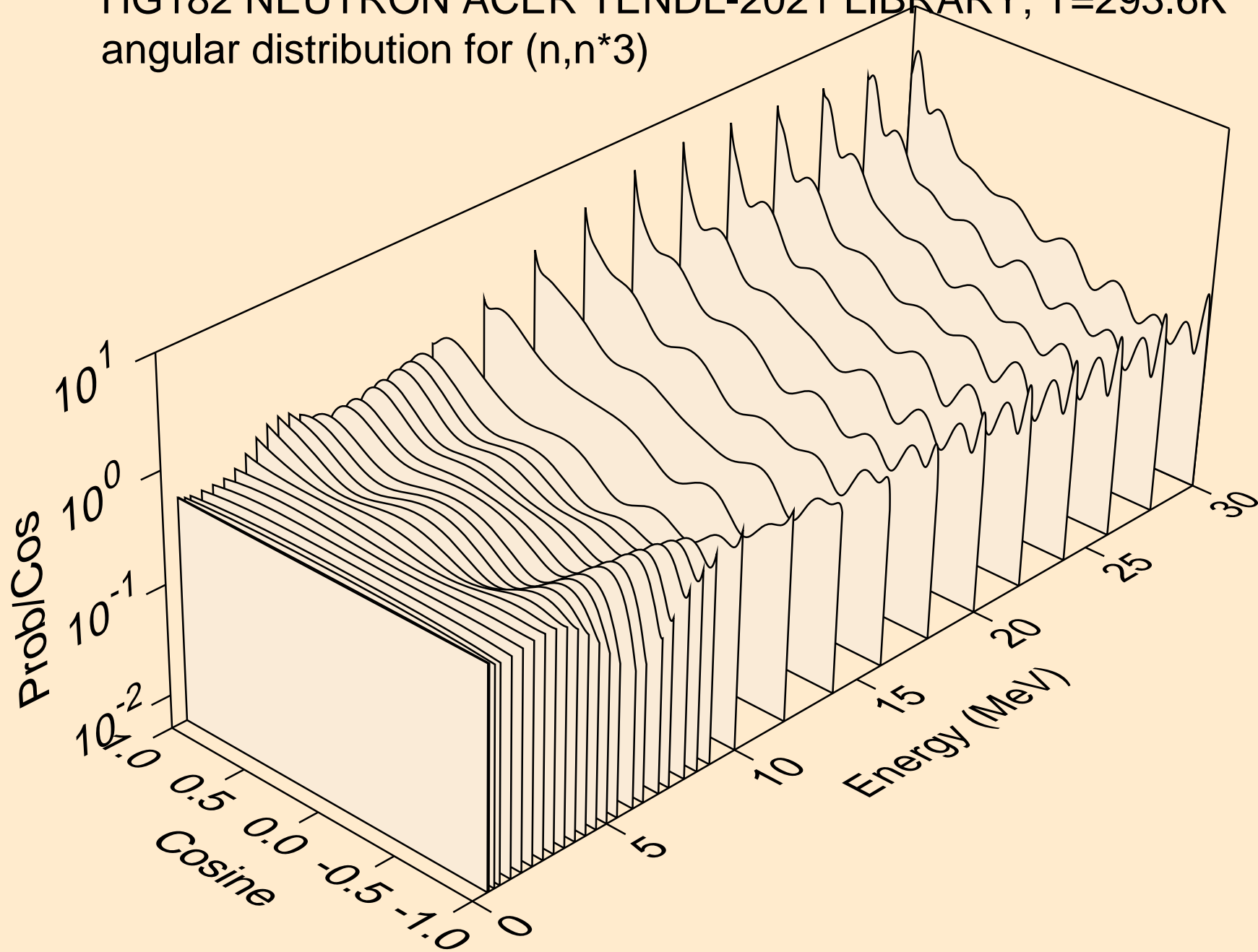
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

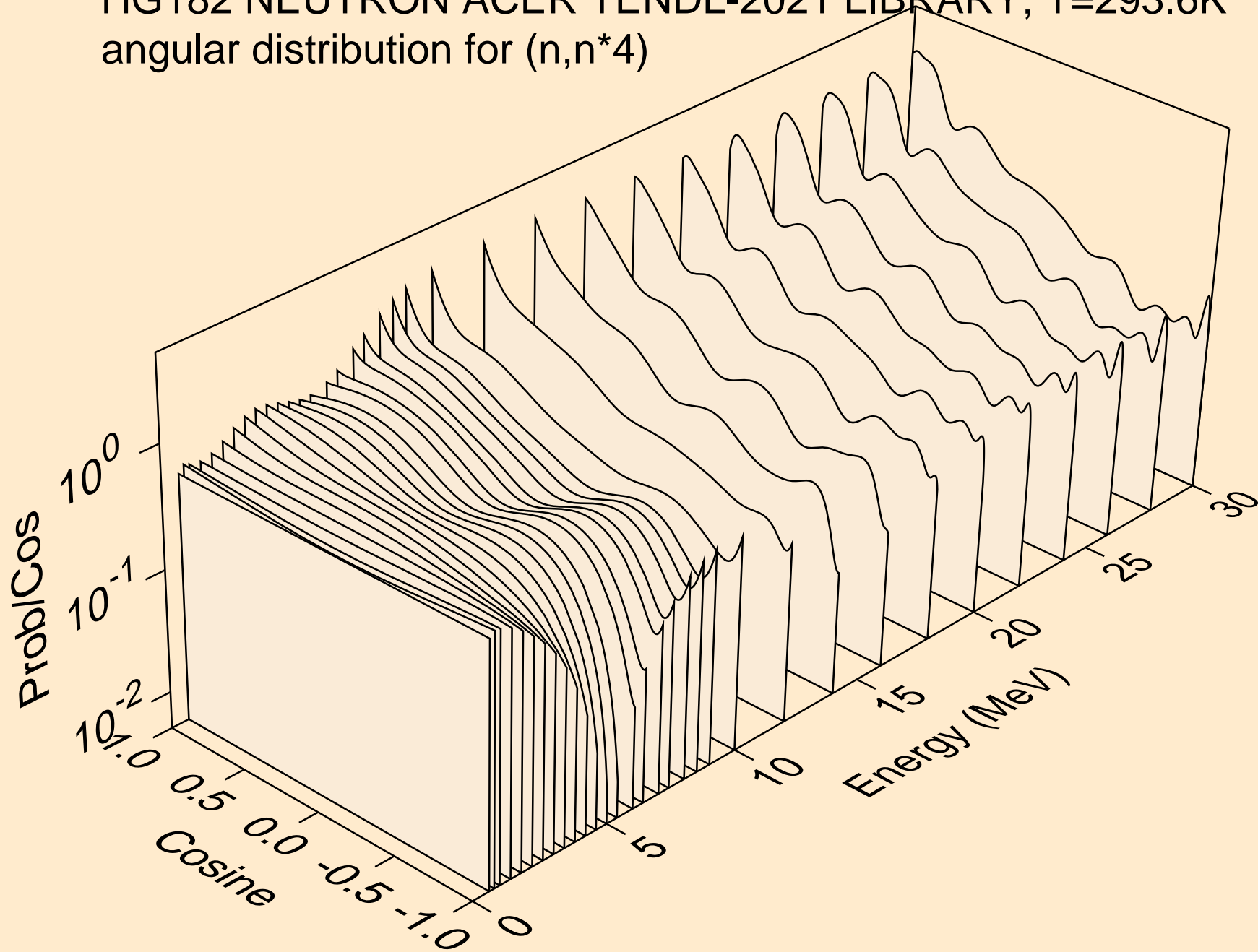


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

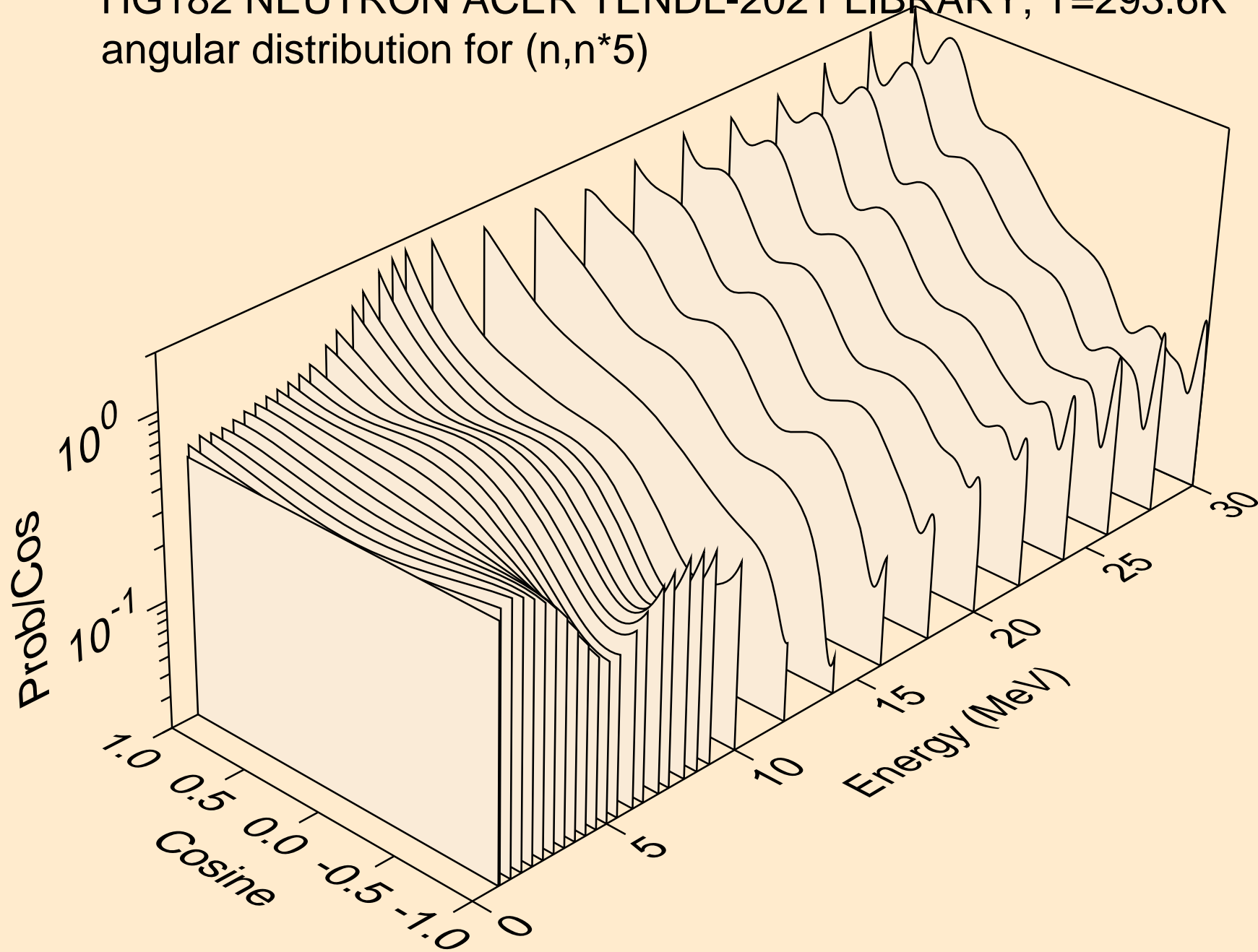




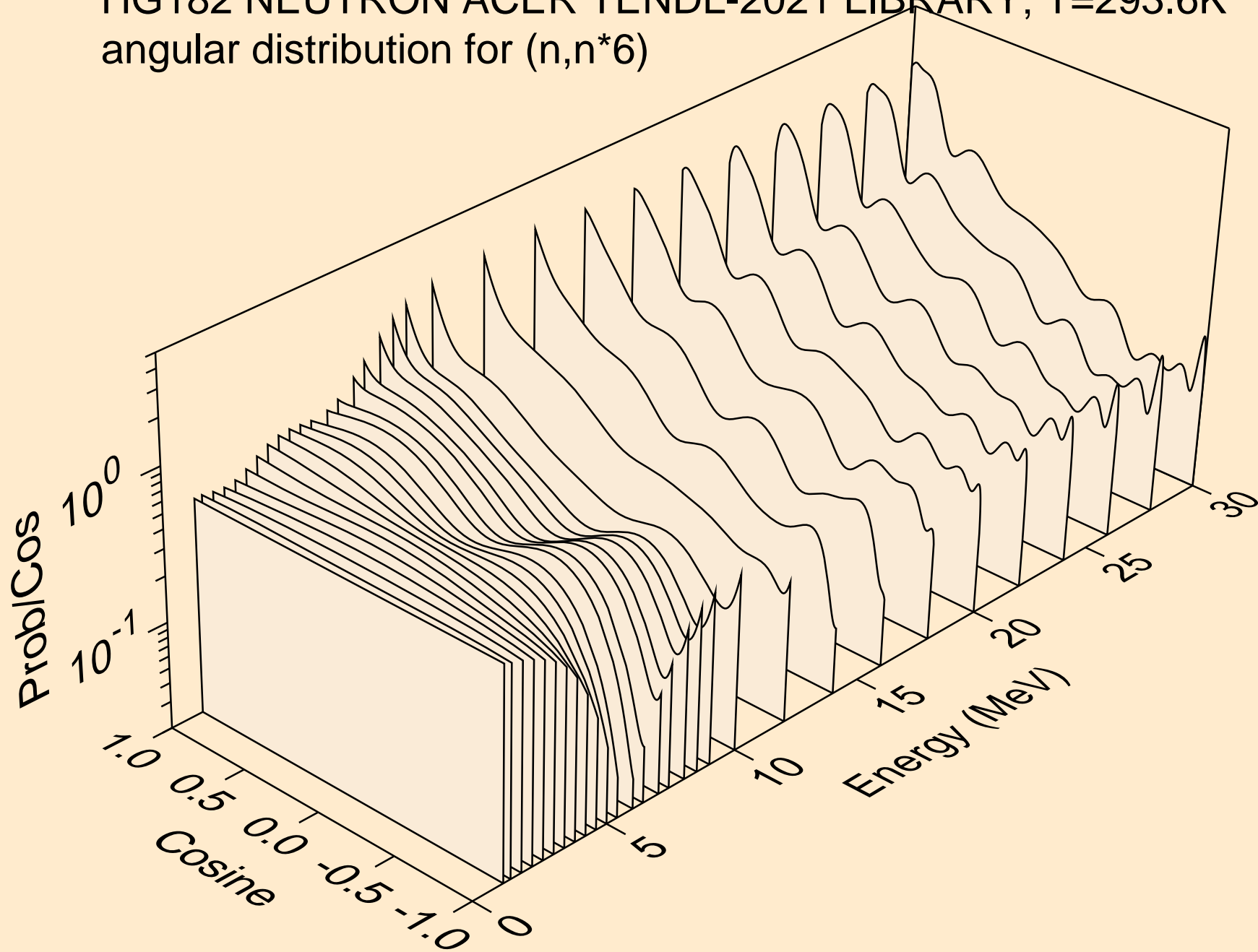
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



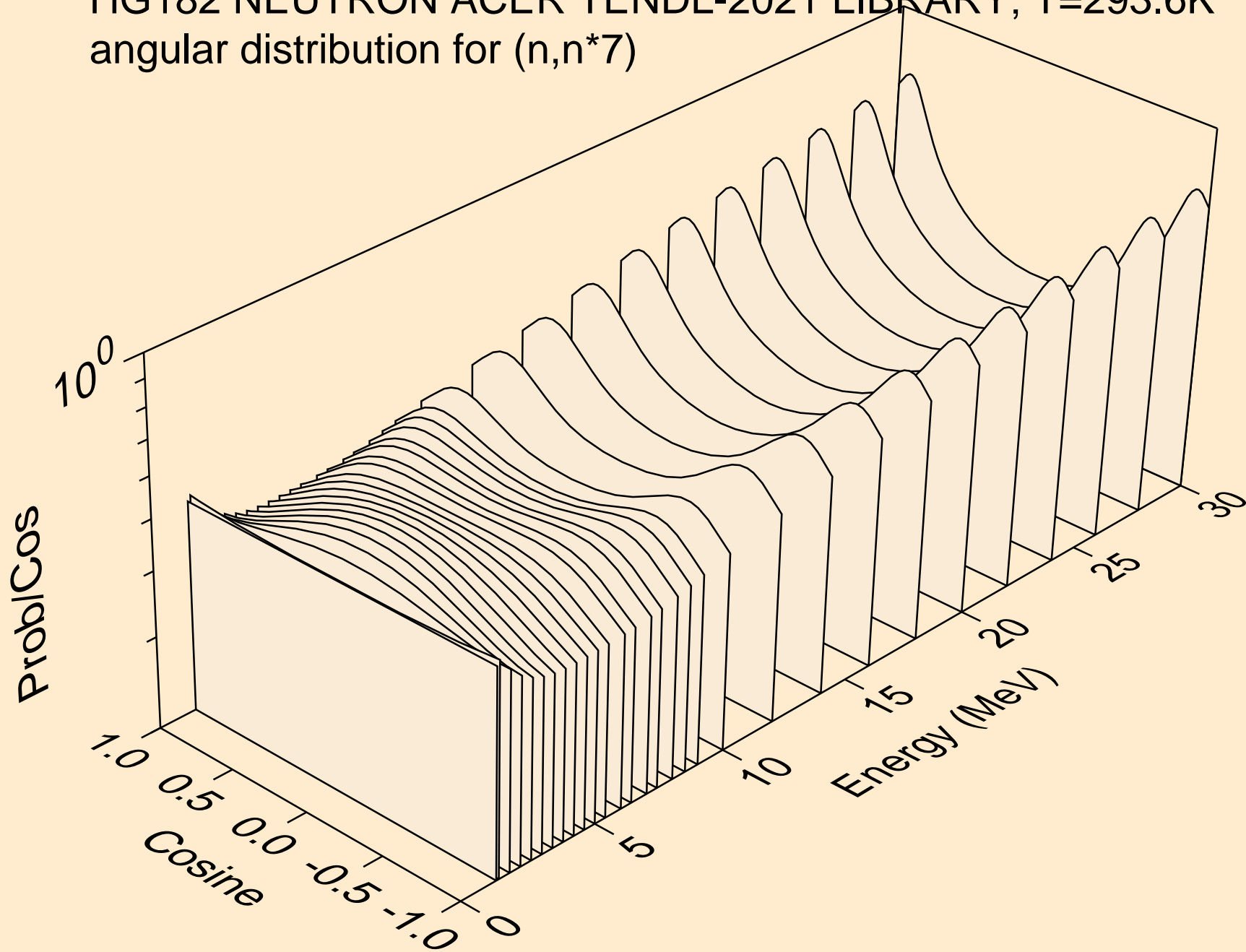
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angular distribution for (n,n\*5)



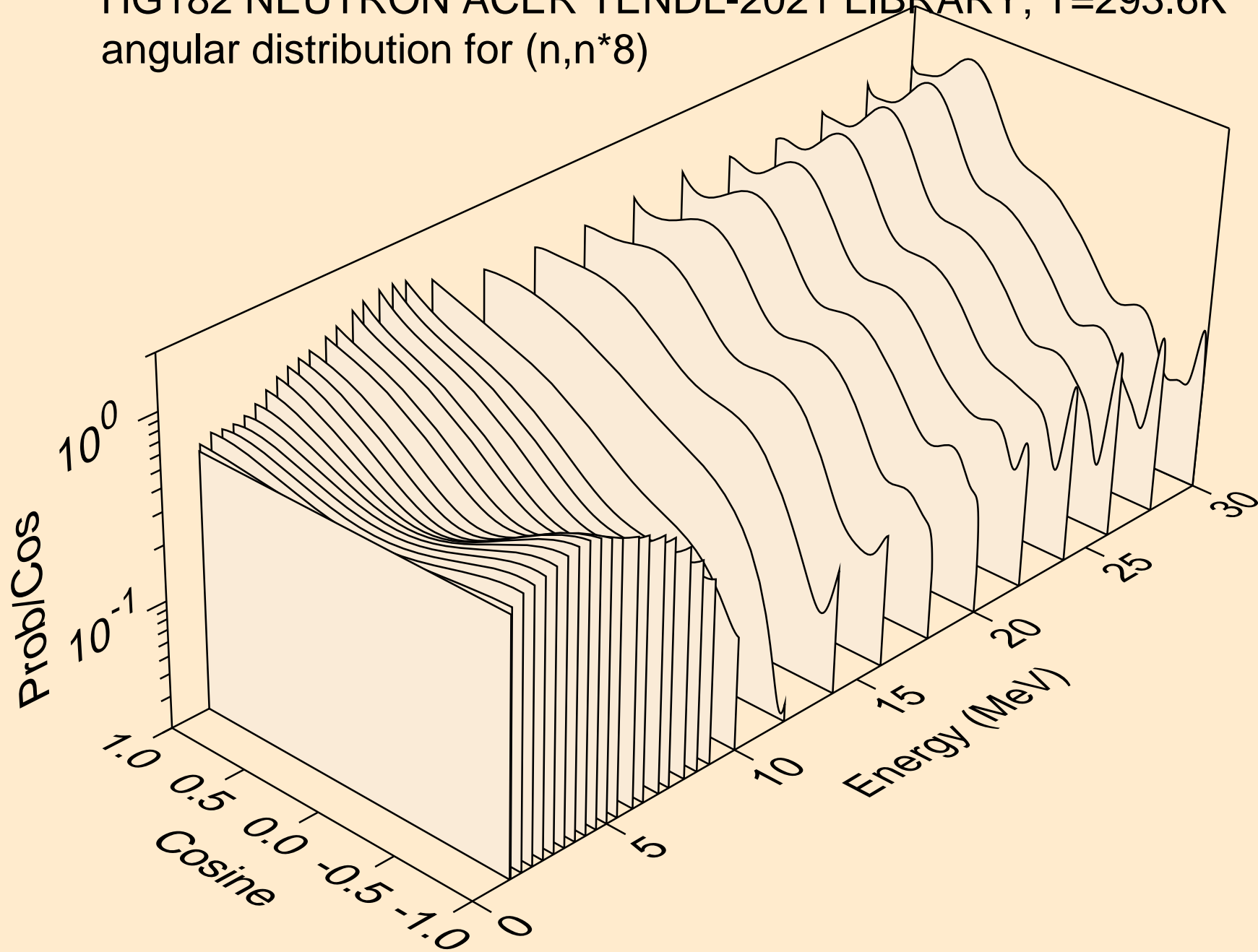
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angular distribution for (n,n\*6)



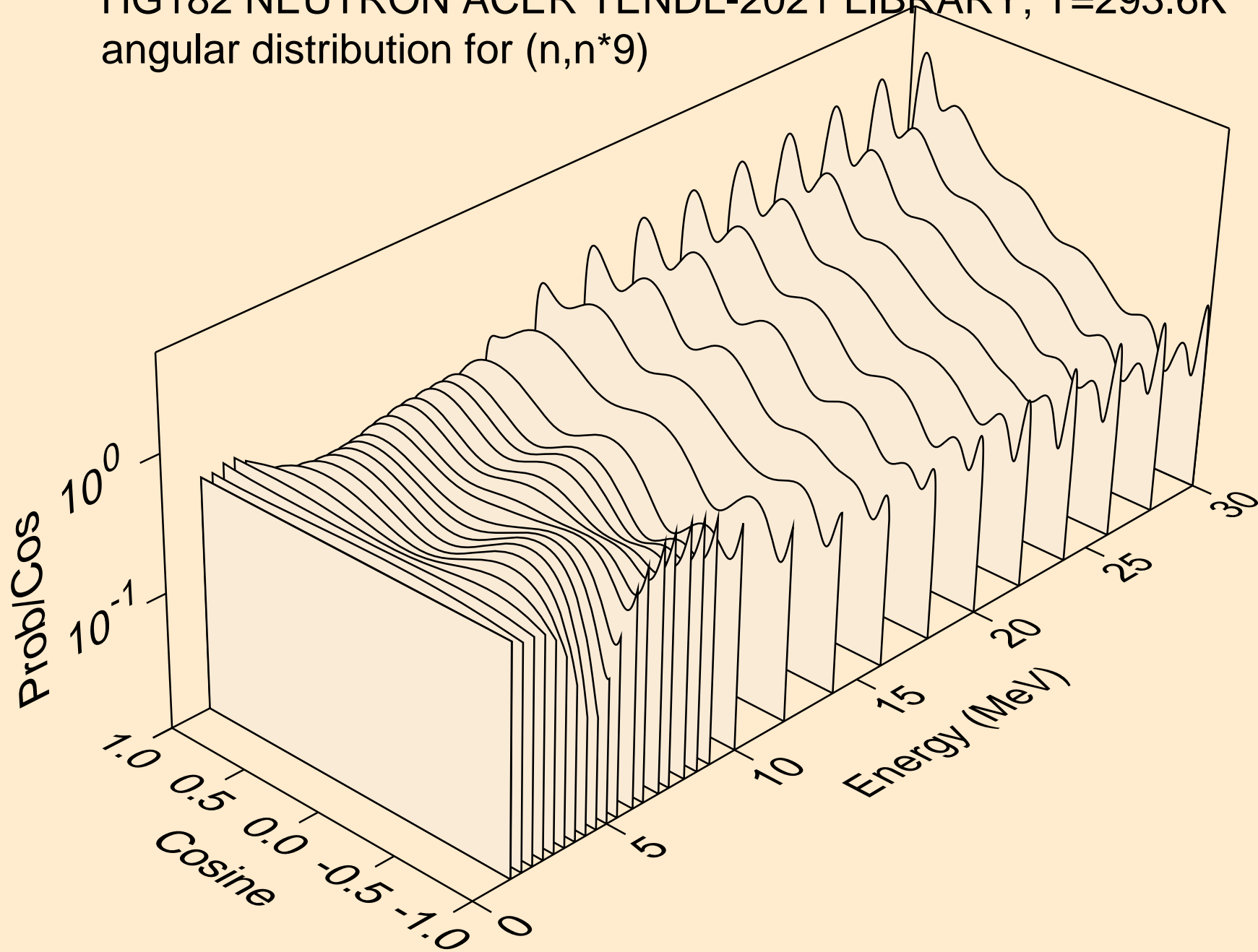
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angular distribution for (n,n\*7)



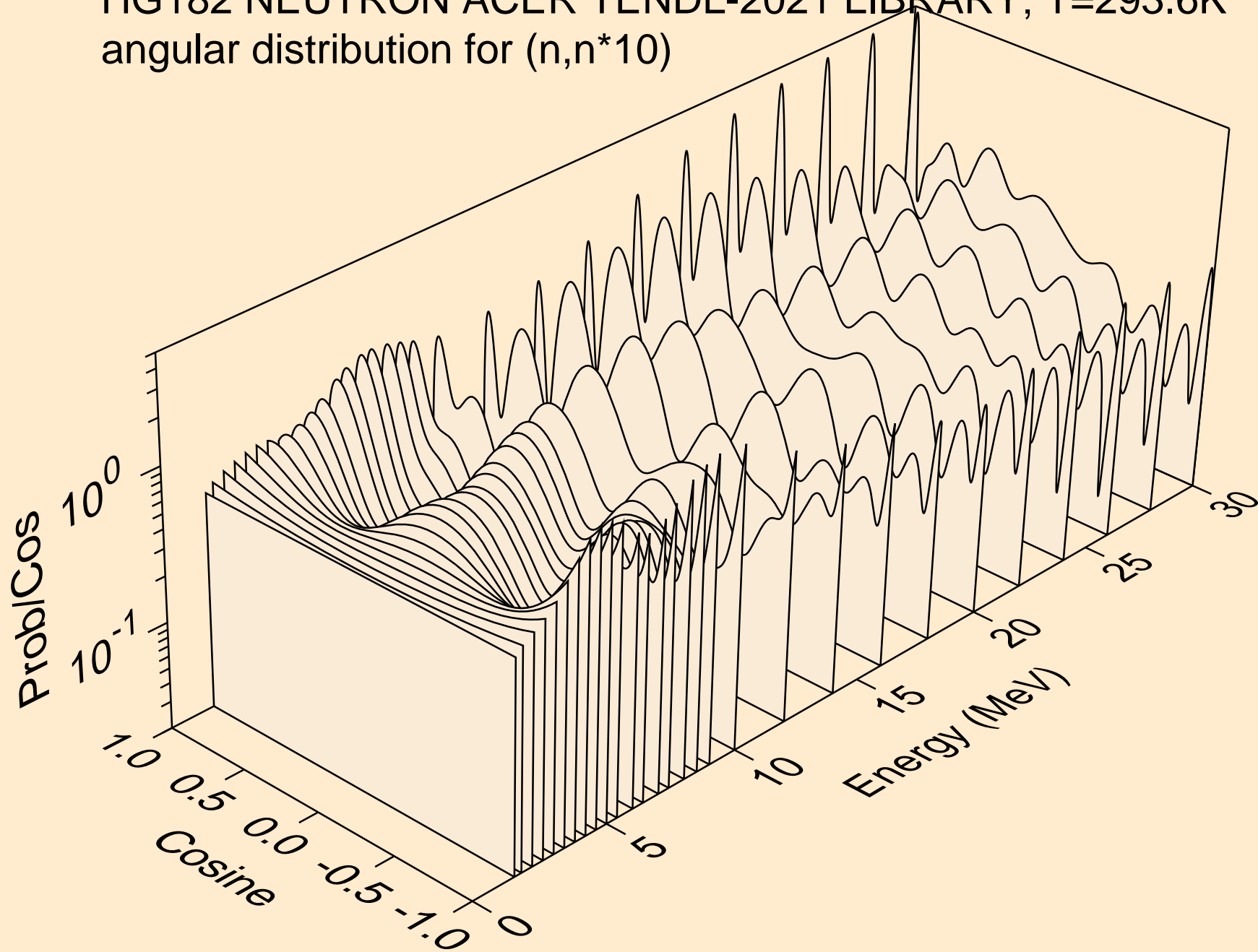
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angular distribution for (n,n\*8)



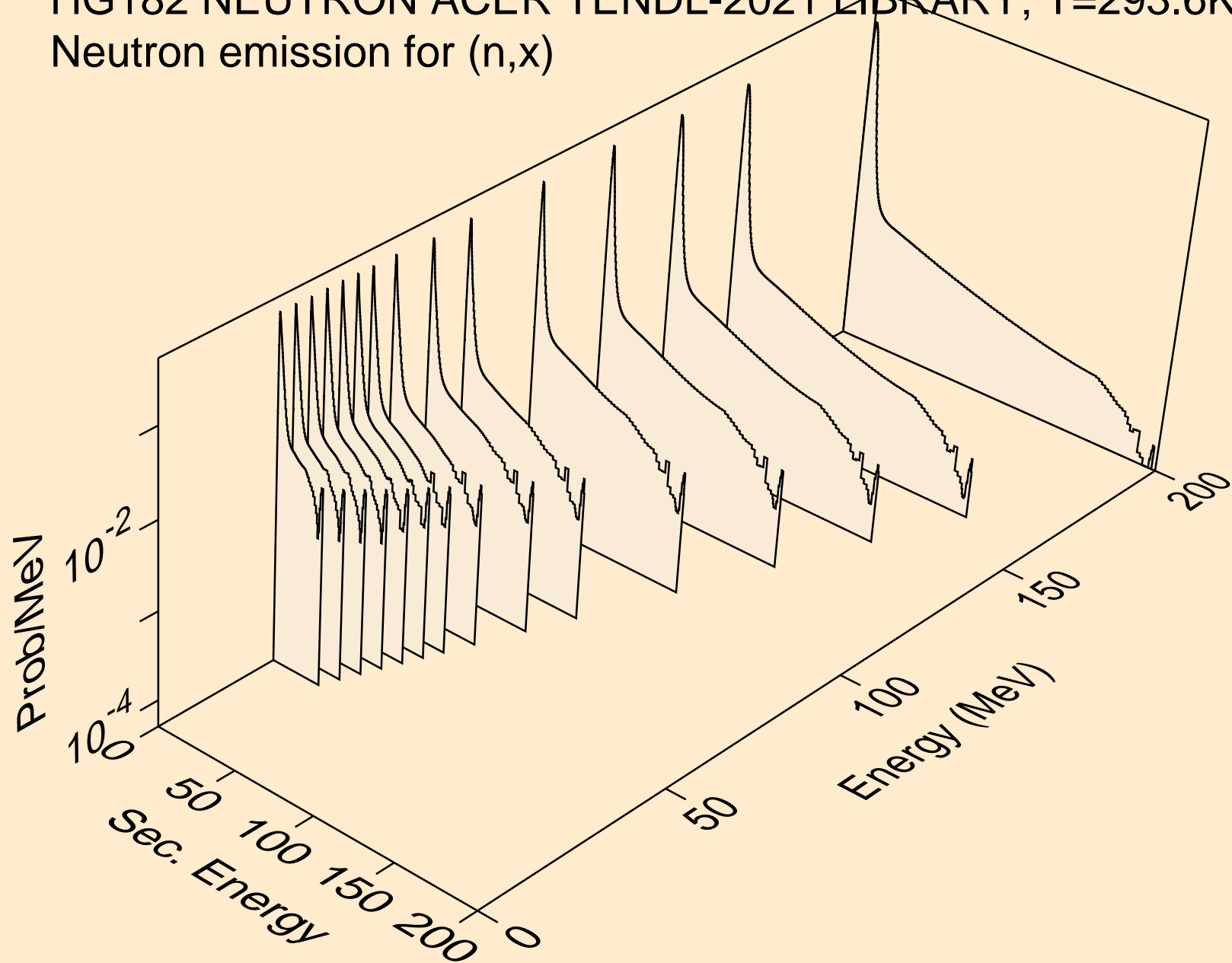
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

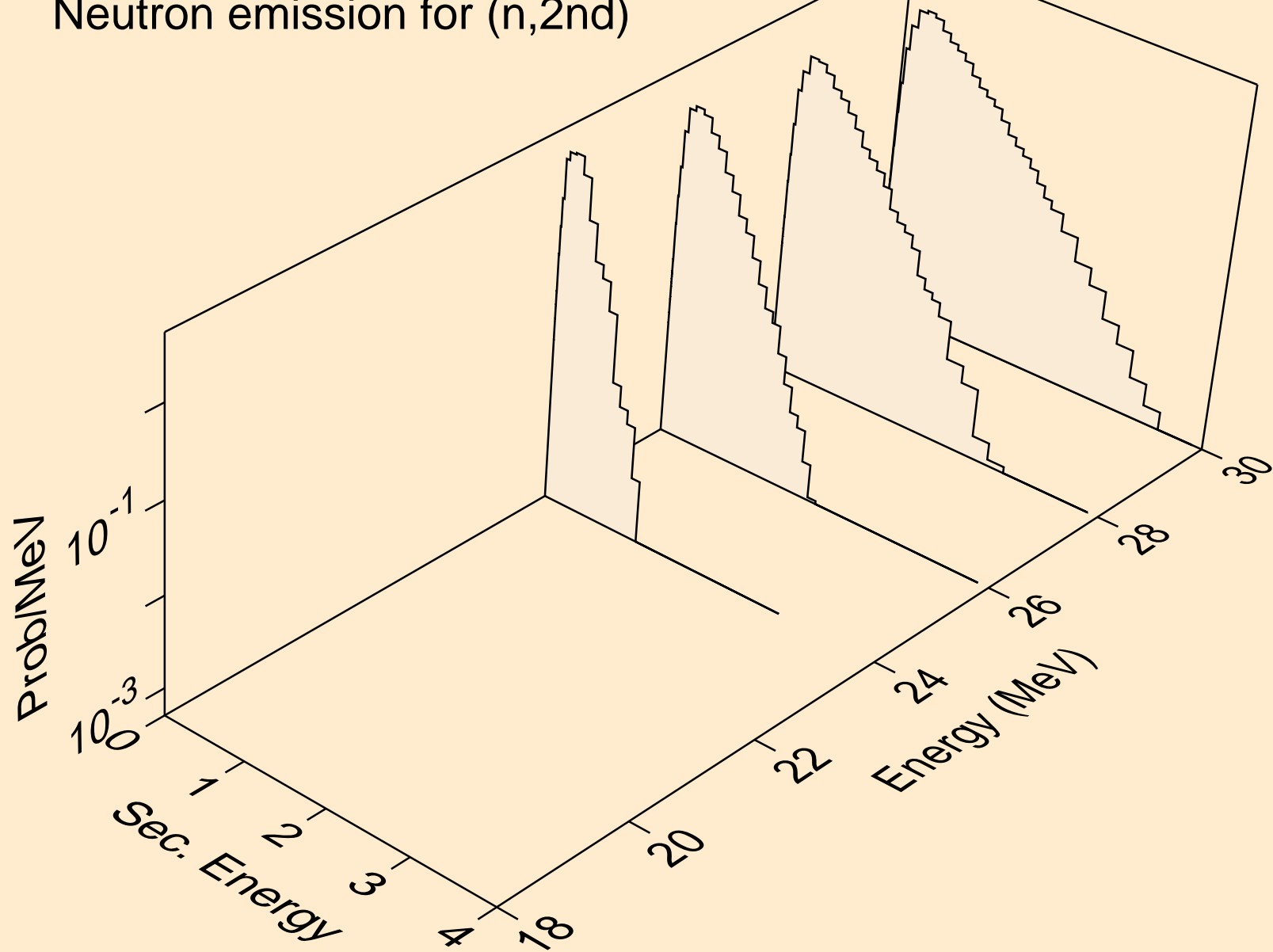


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

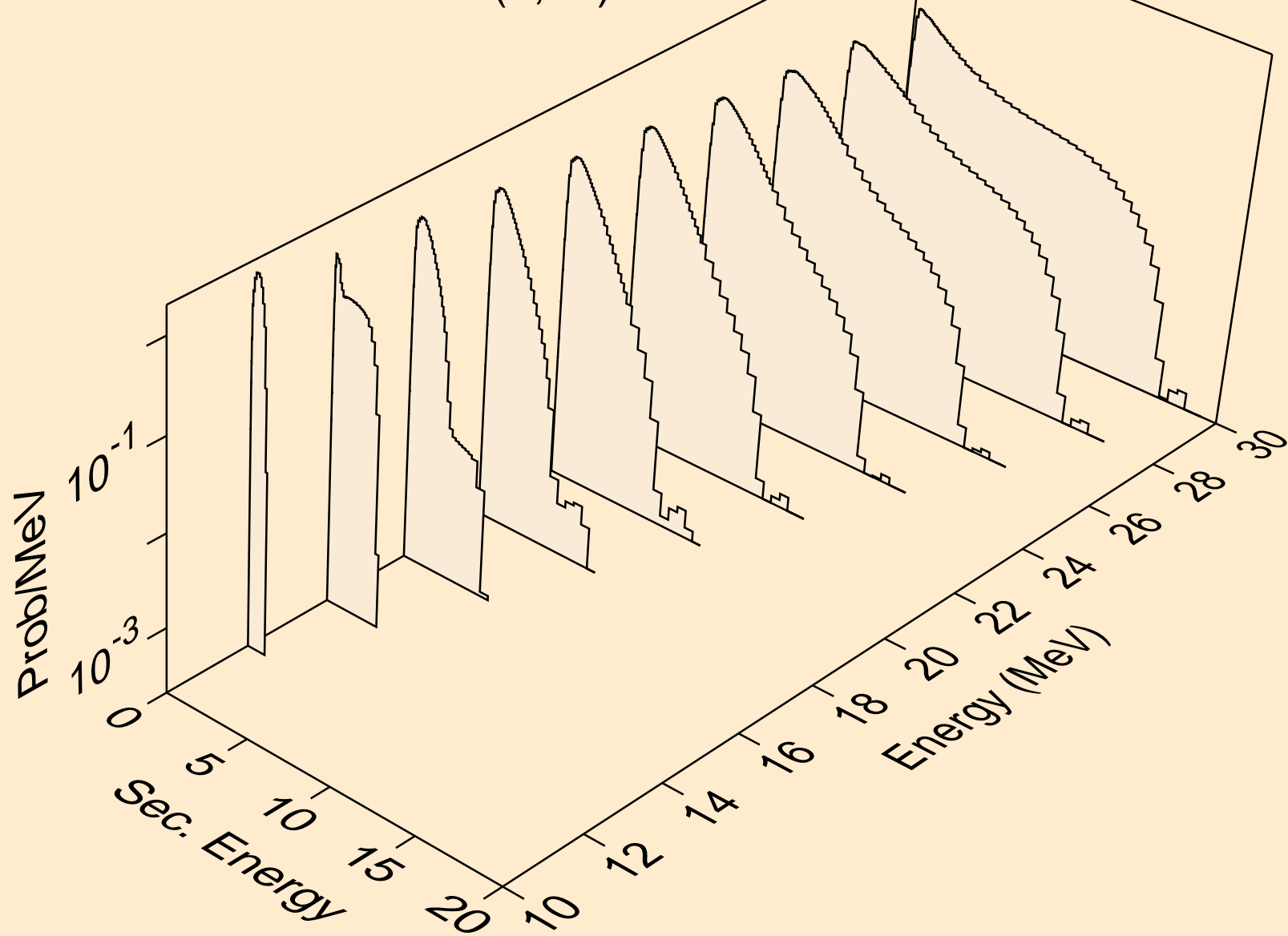




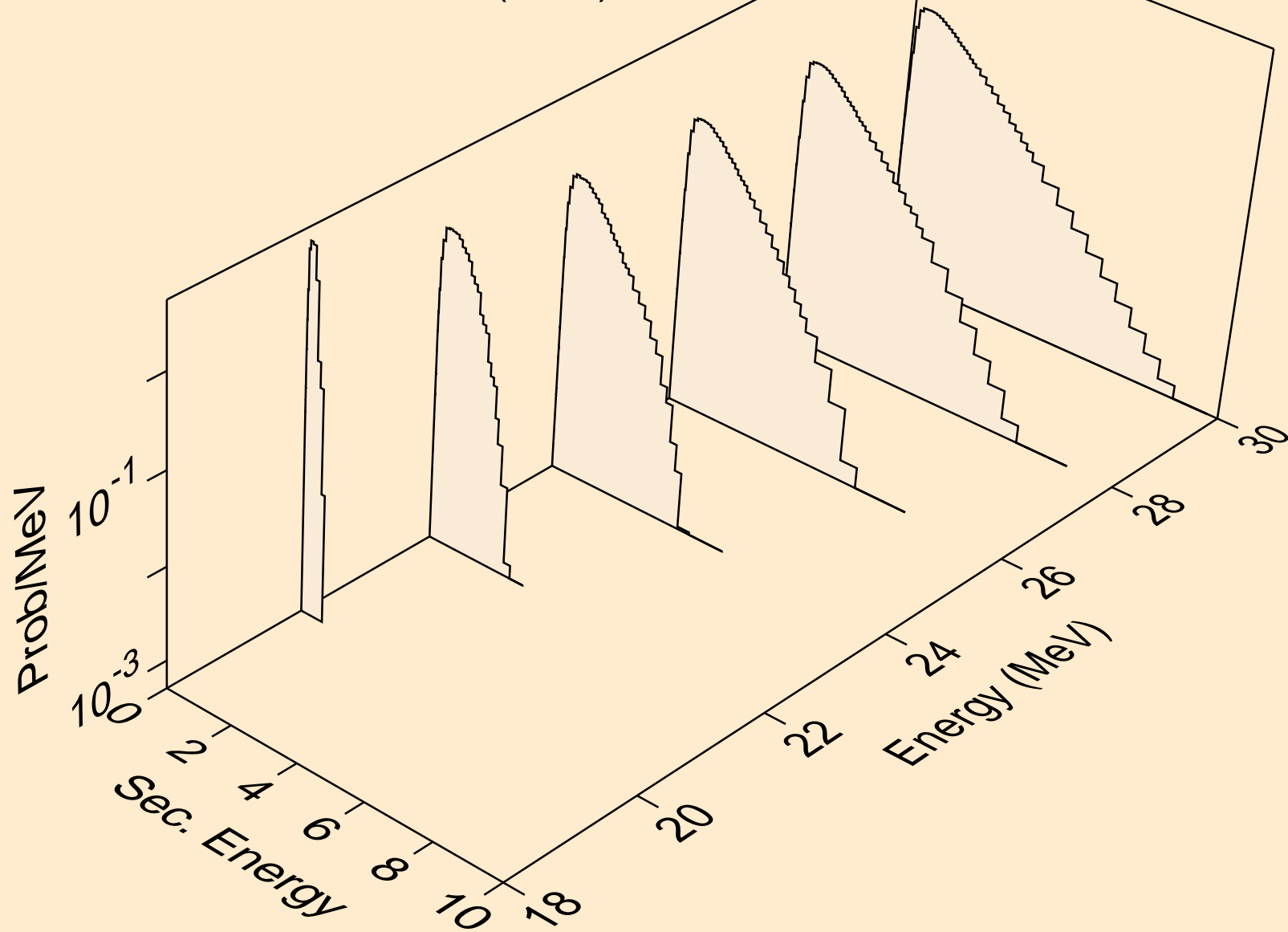
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



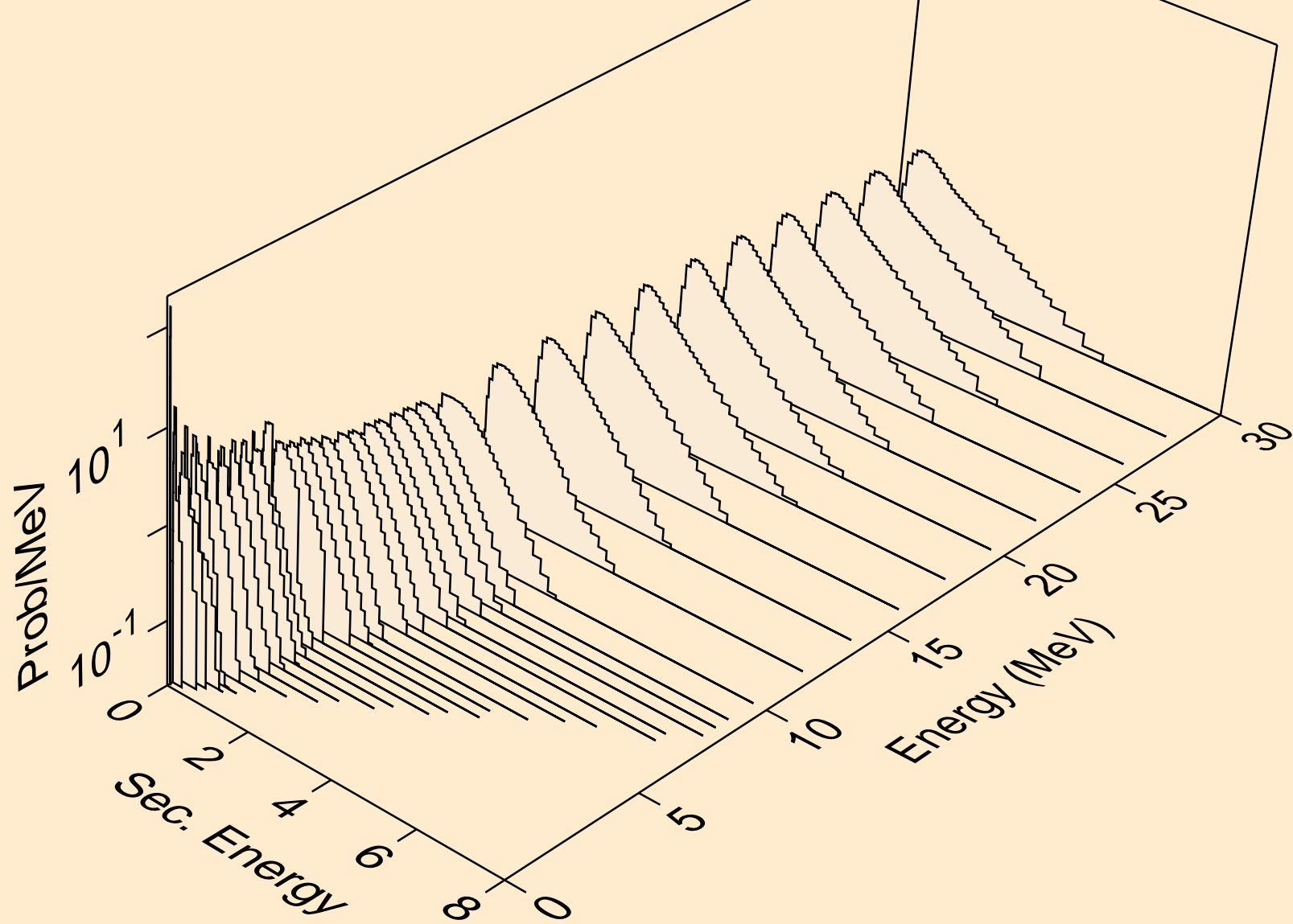
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



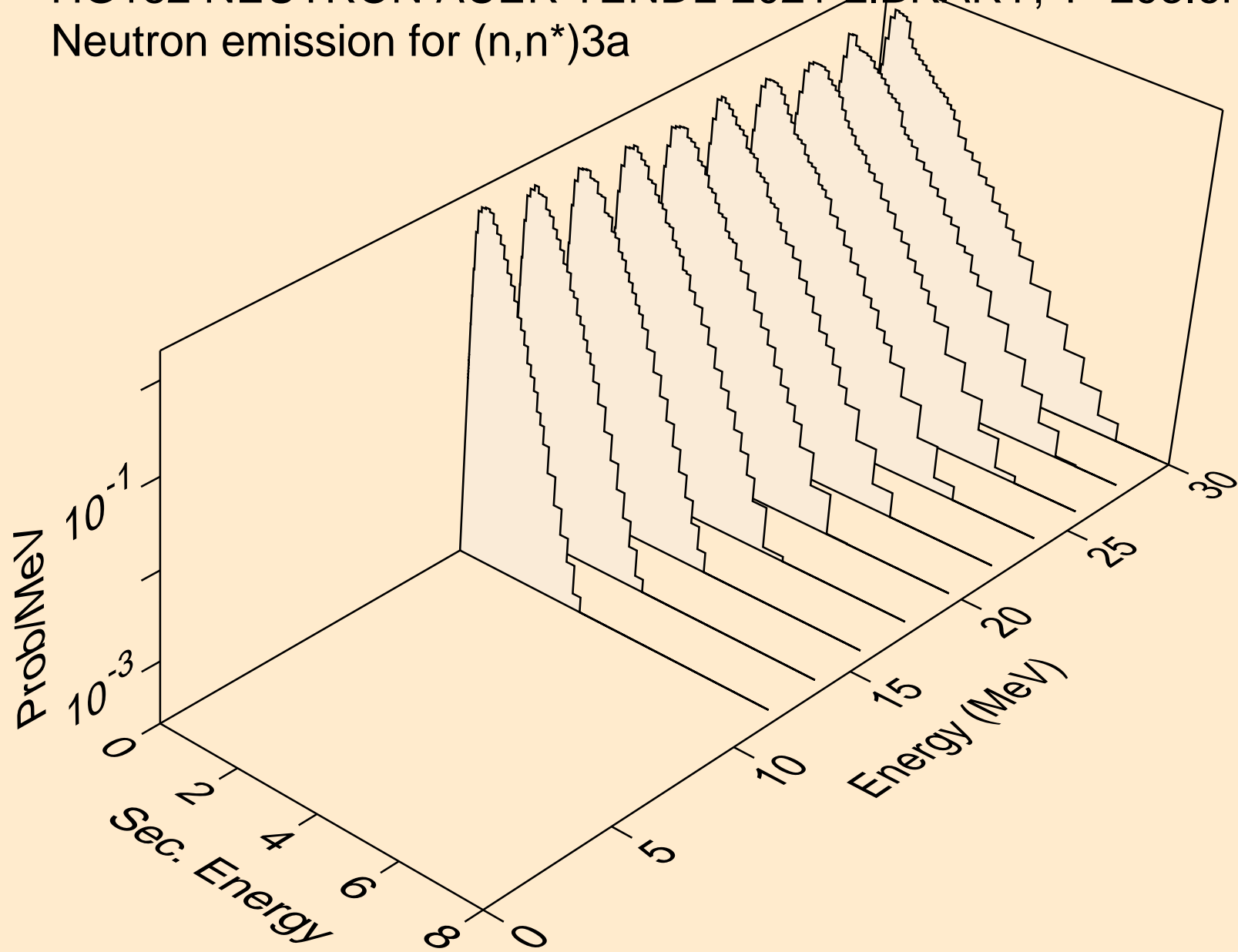
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



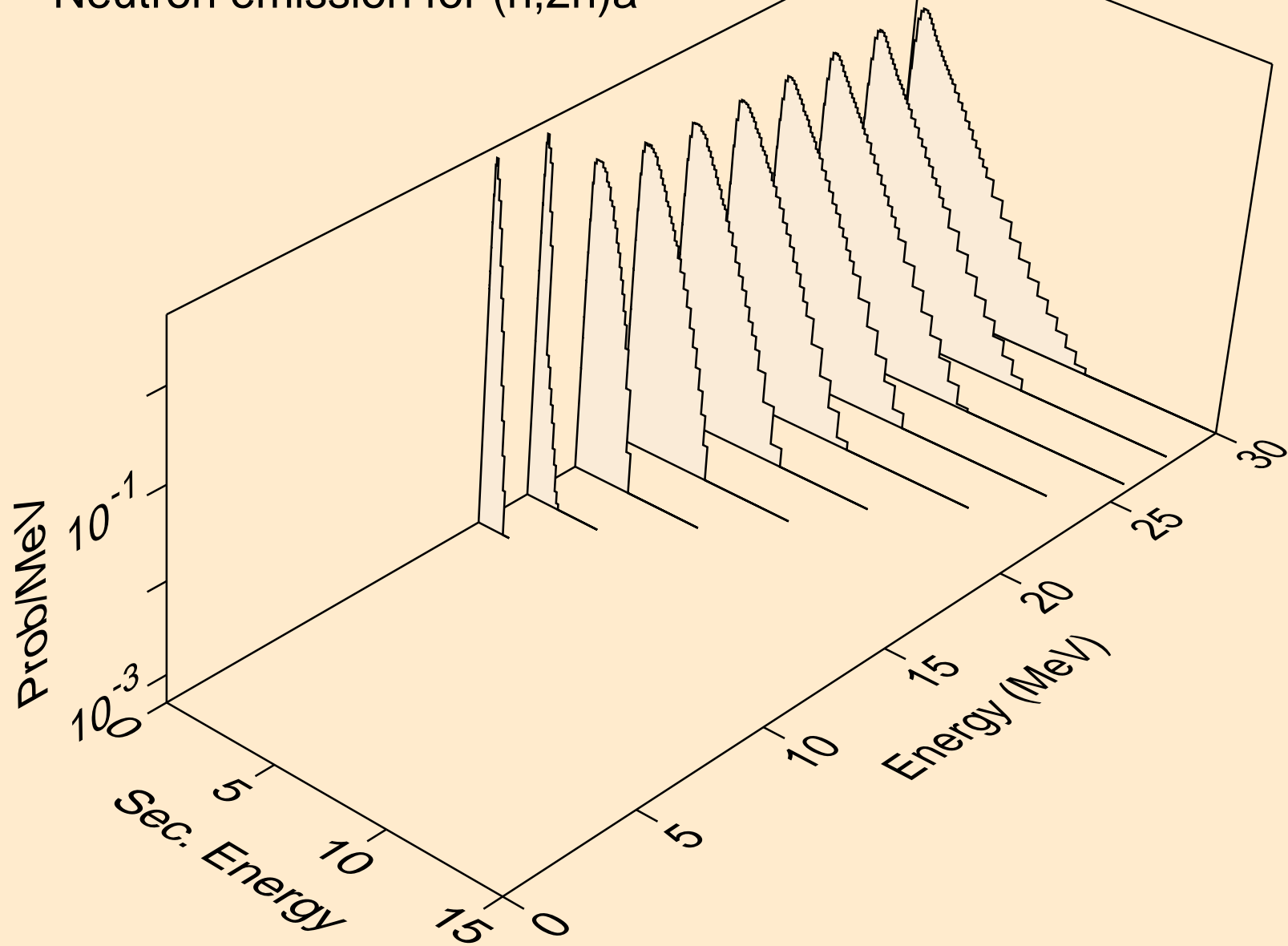
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



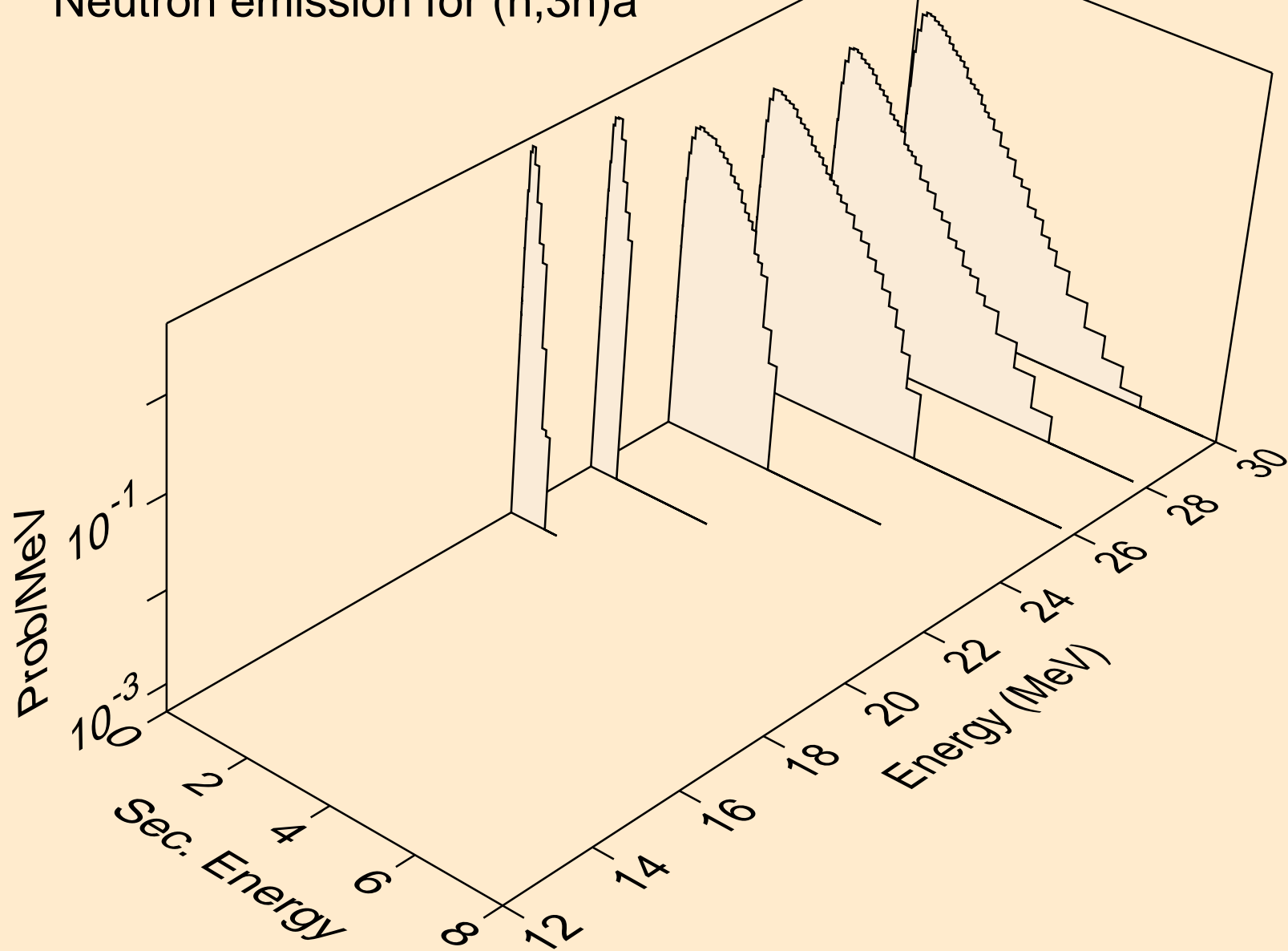
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Neutron emission for (n,n\*)3a



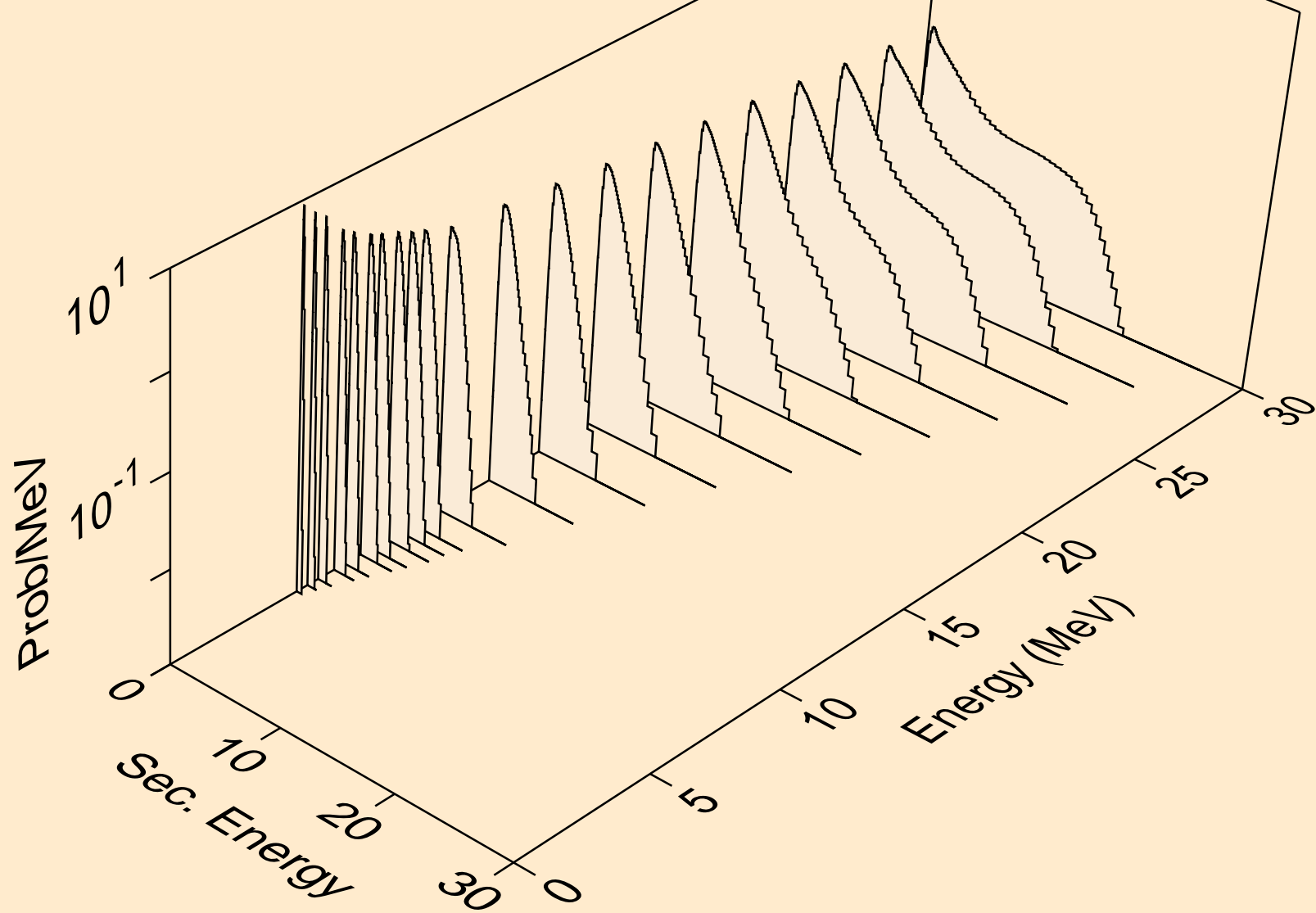
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

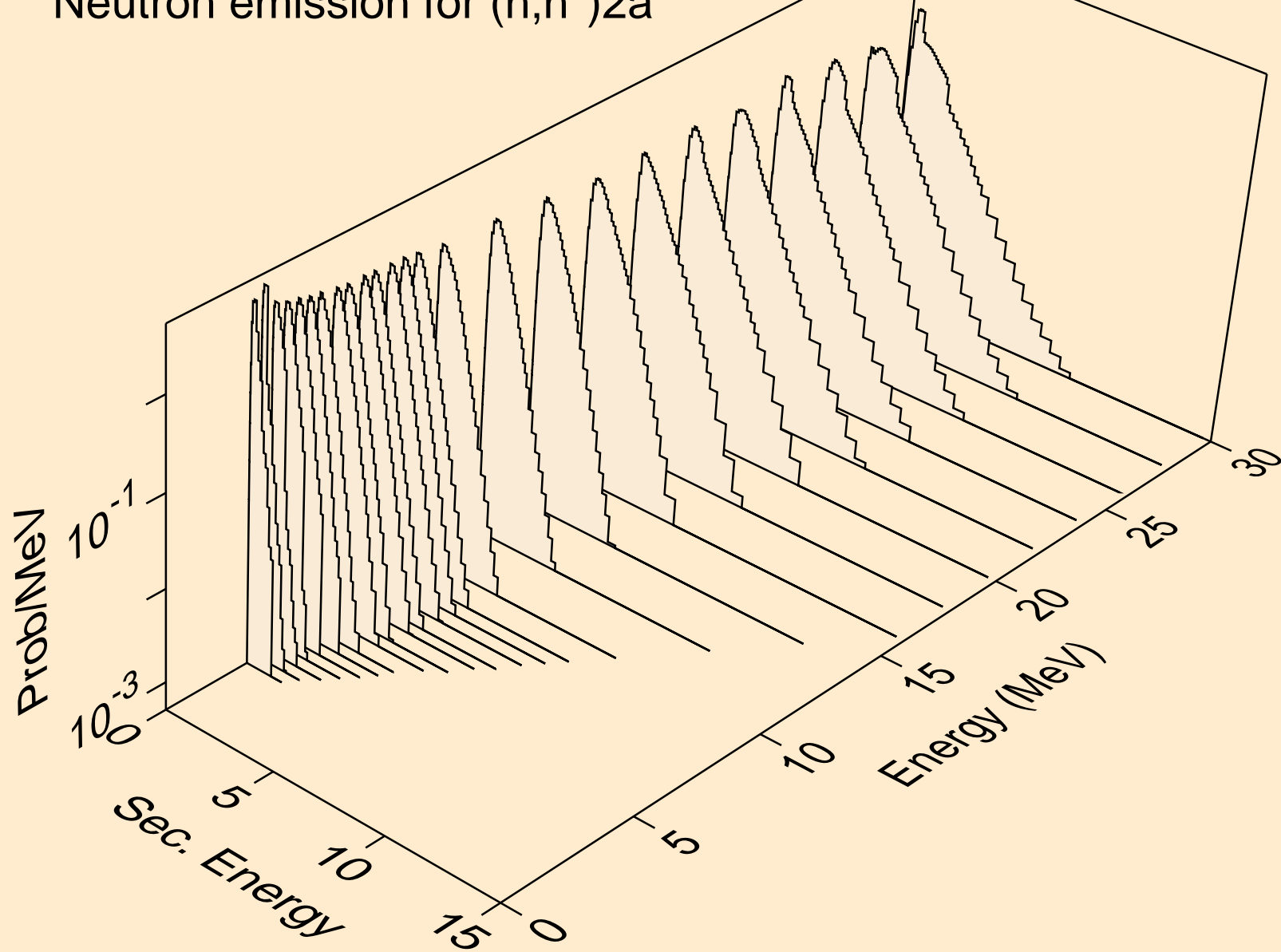


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

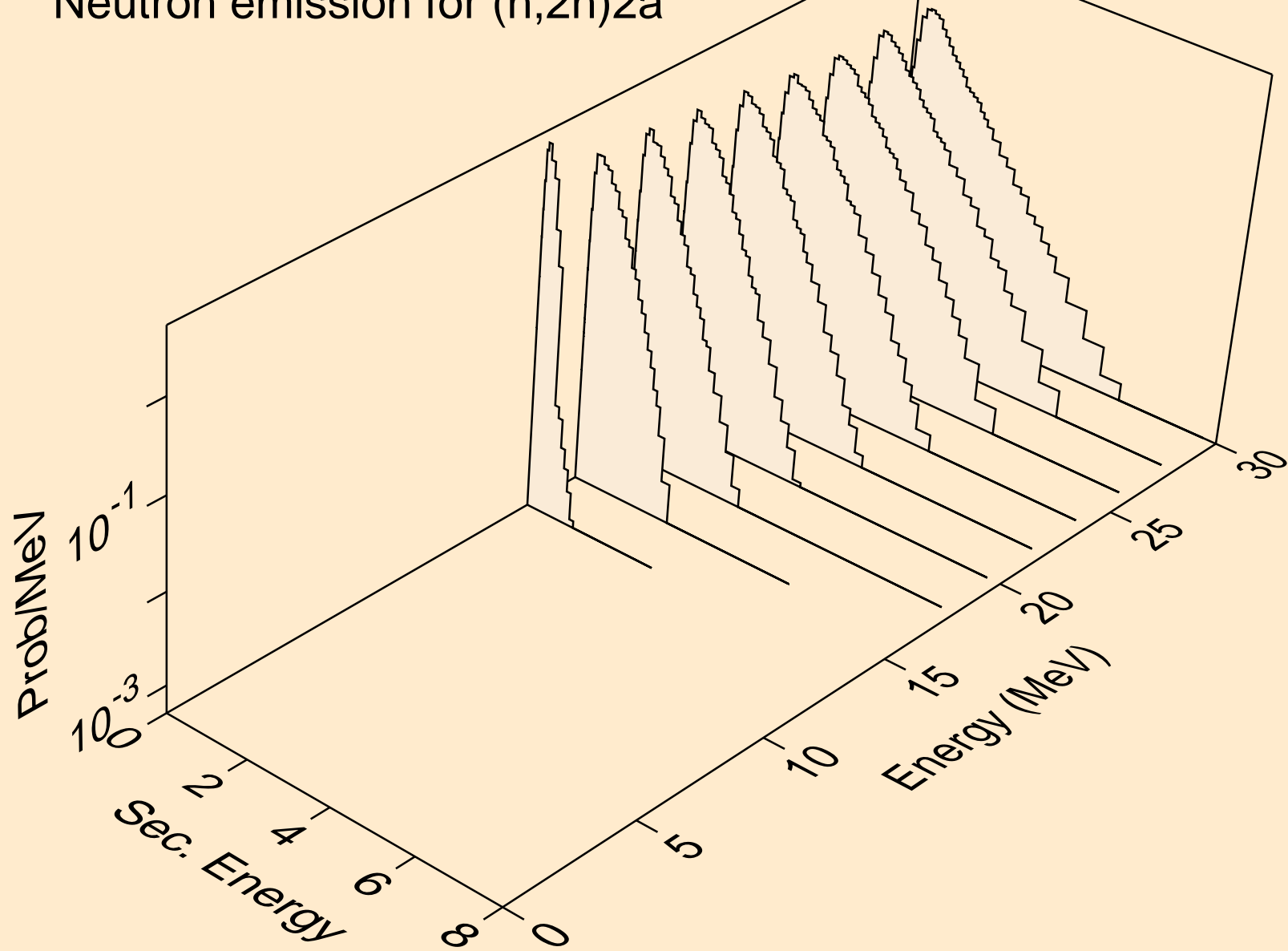




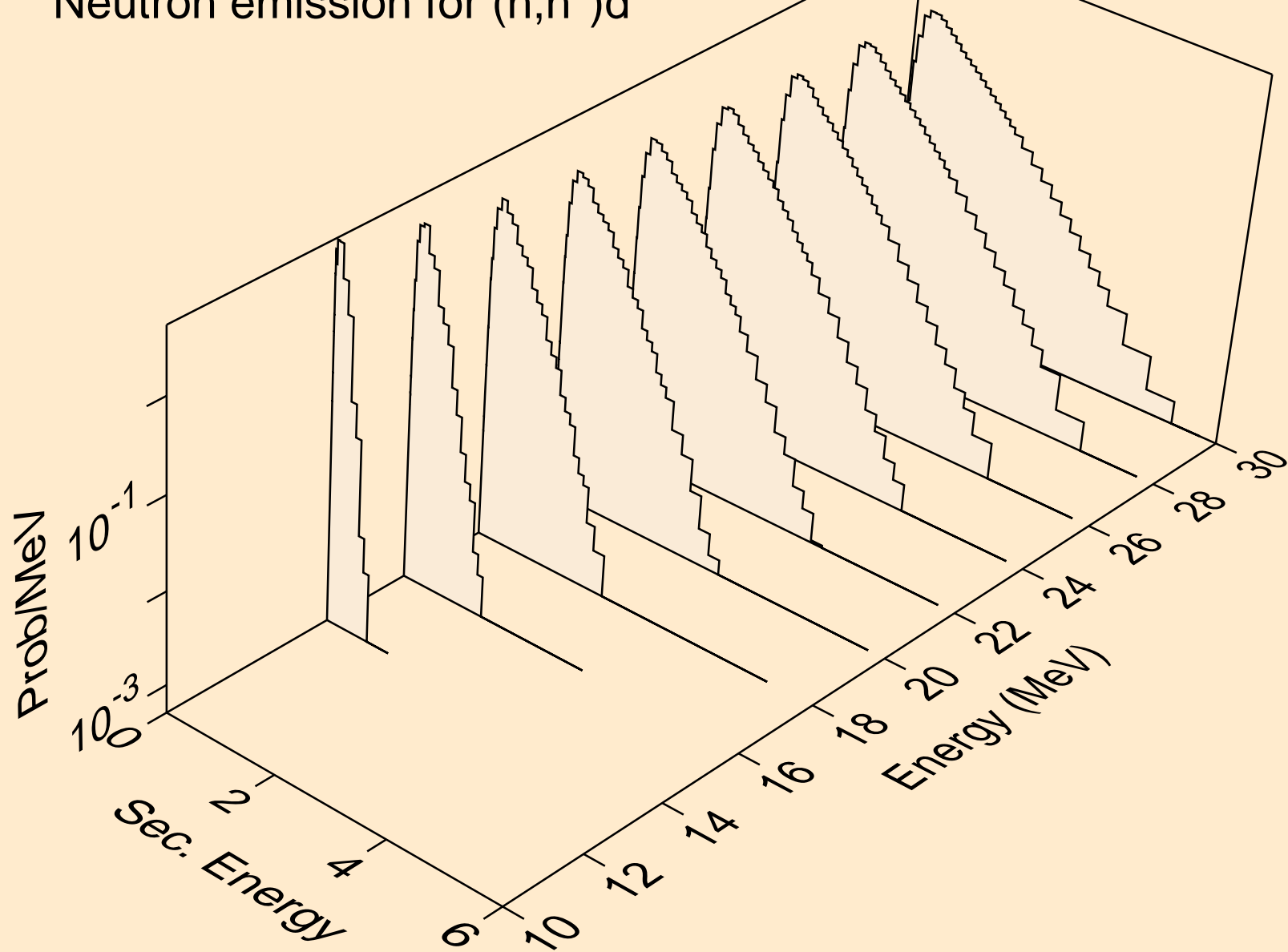
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Neutron emission for (n,n\*)2a



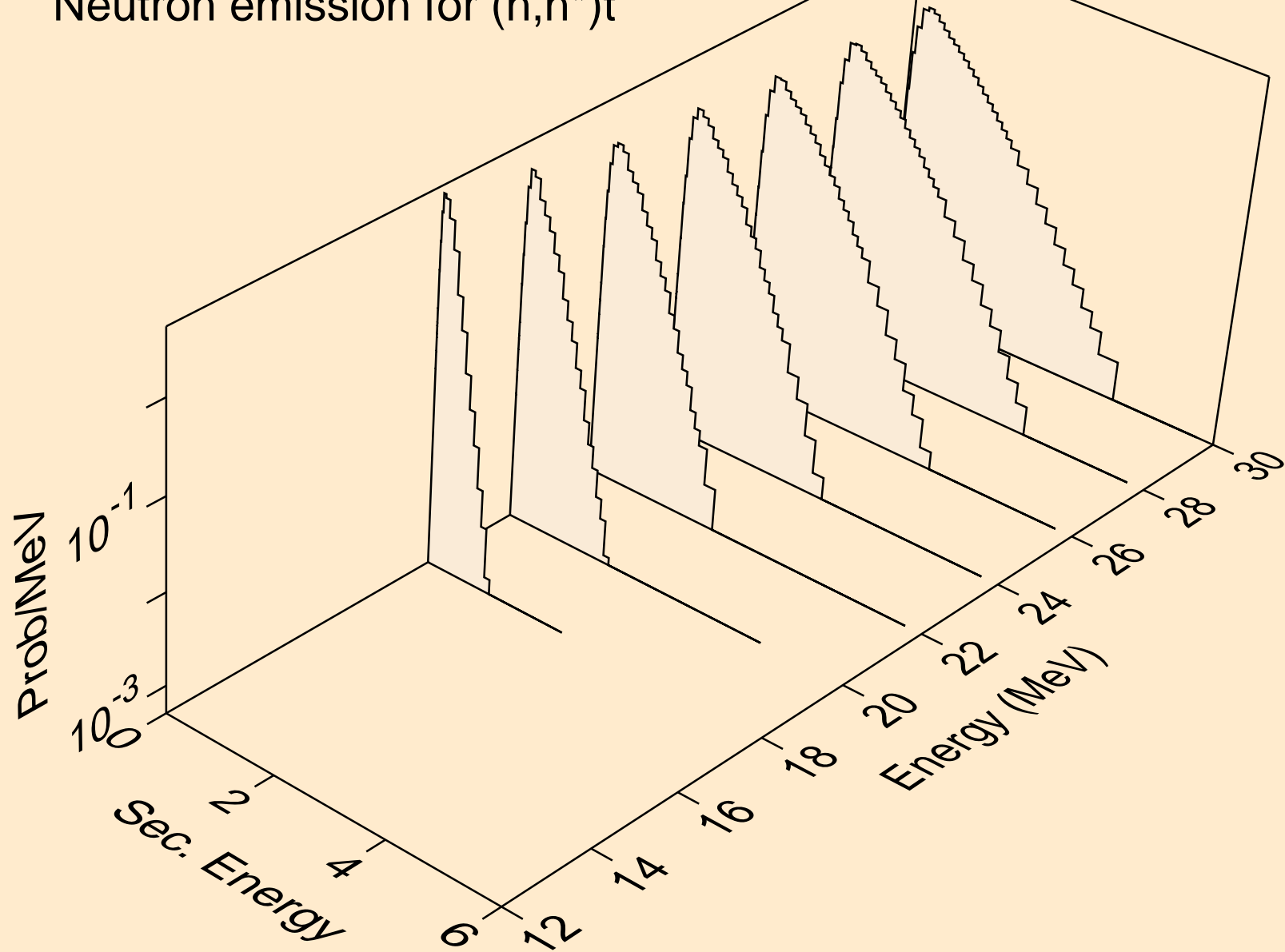
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Neutron emission for (n,2n)2a



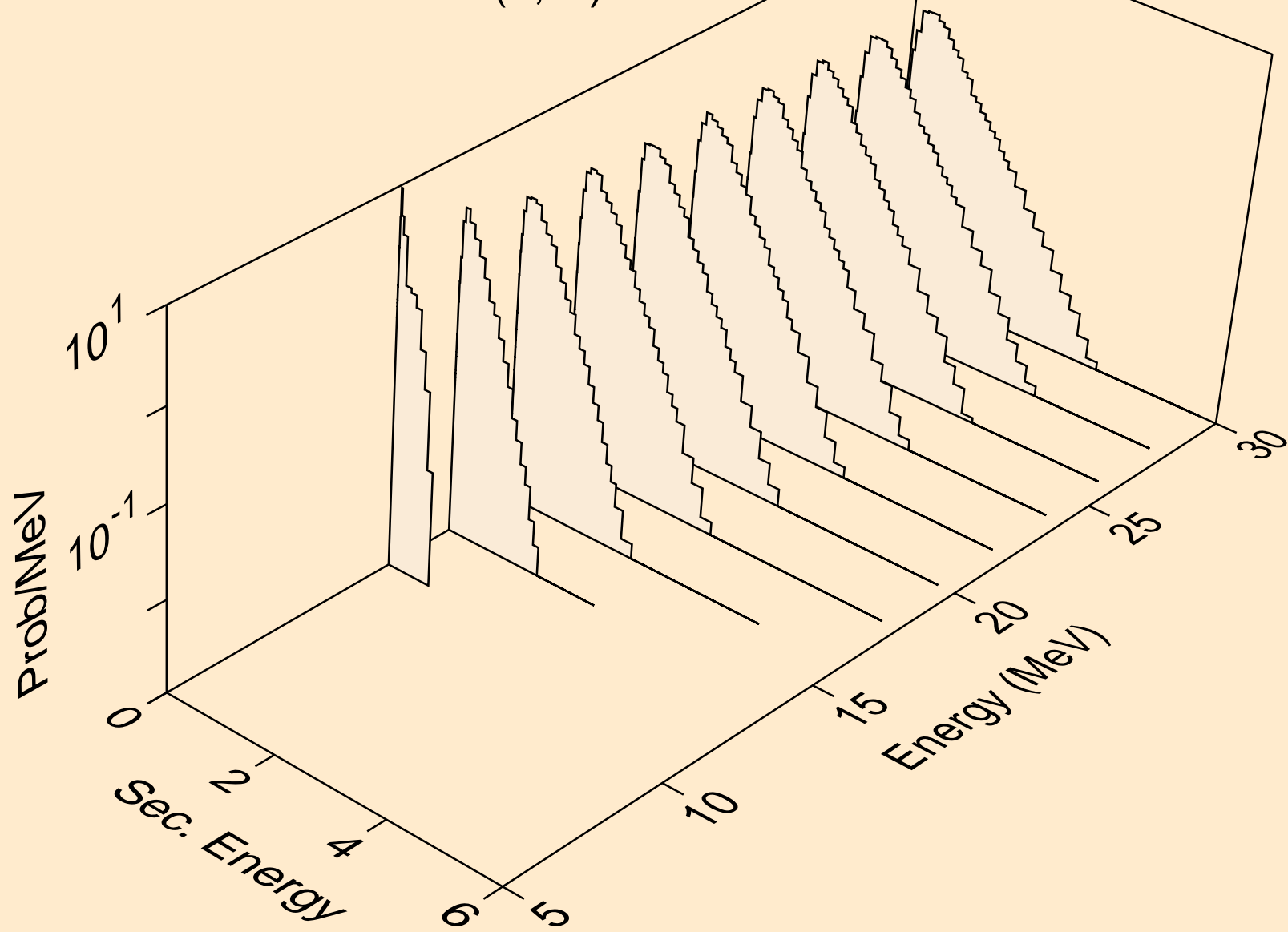
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Neutron emission for (n,n\*)d



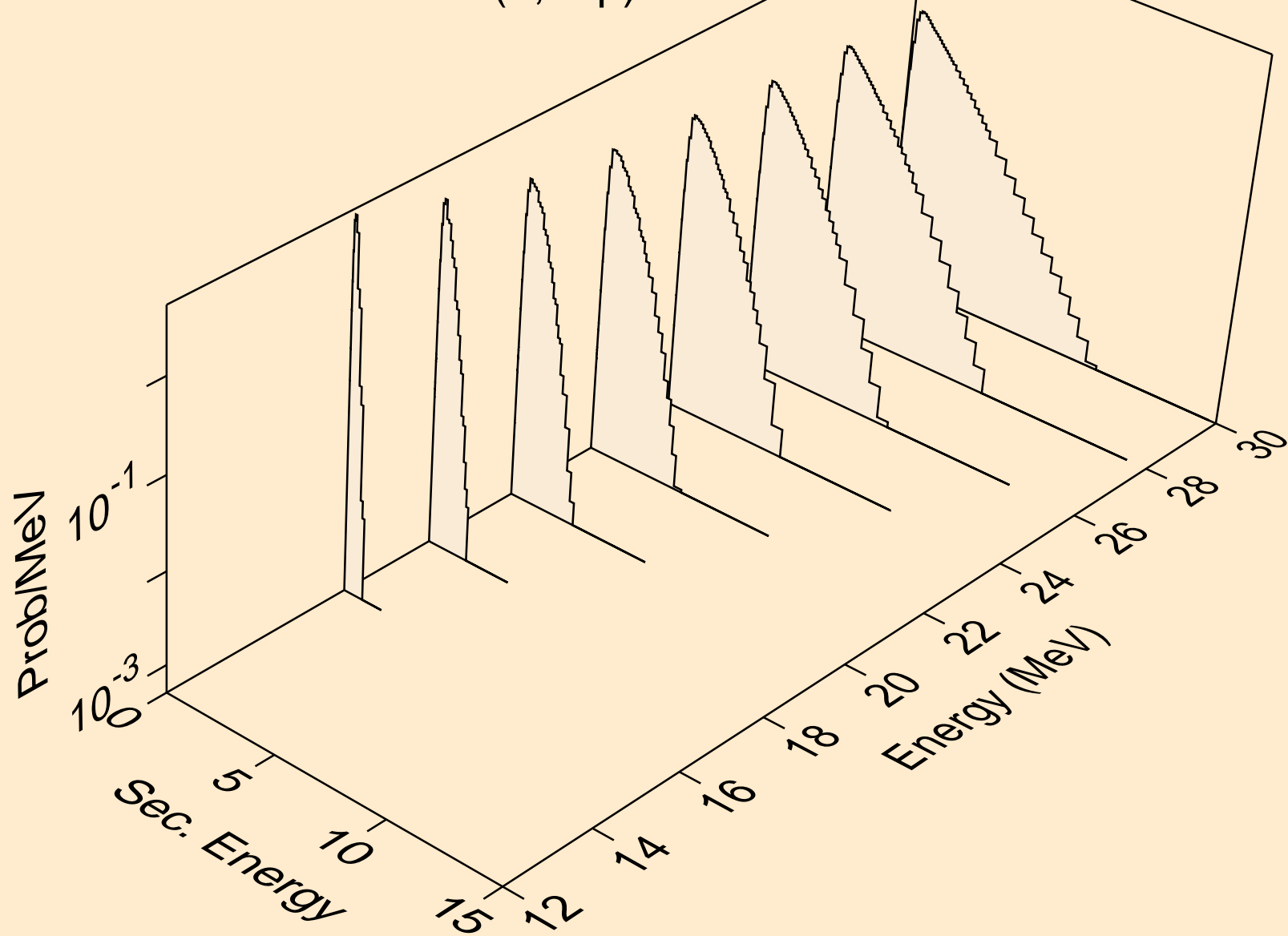
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Neutron emission for (n,n\*)t



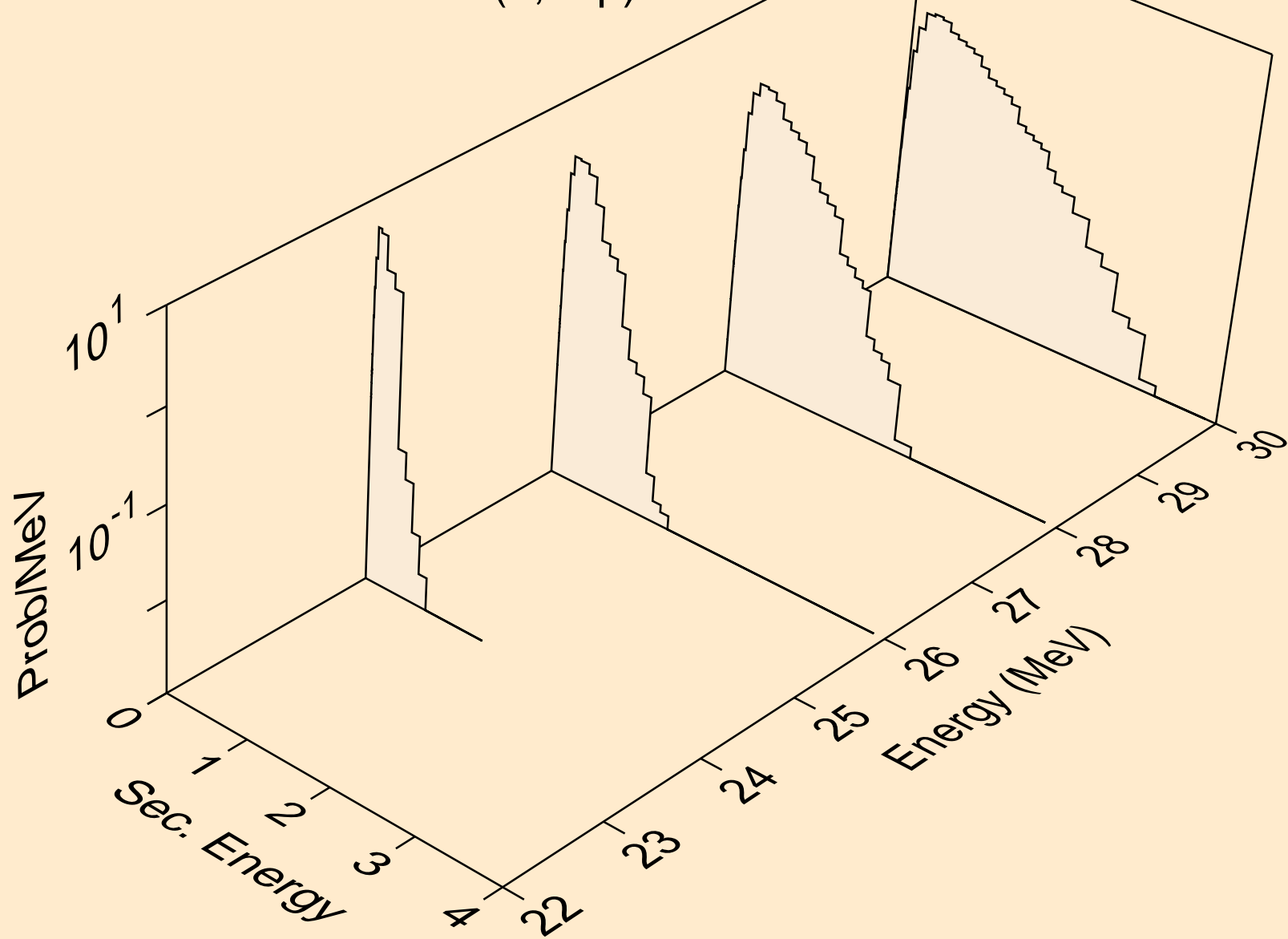
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Neutron emission for (n,n\*)he3



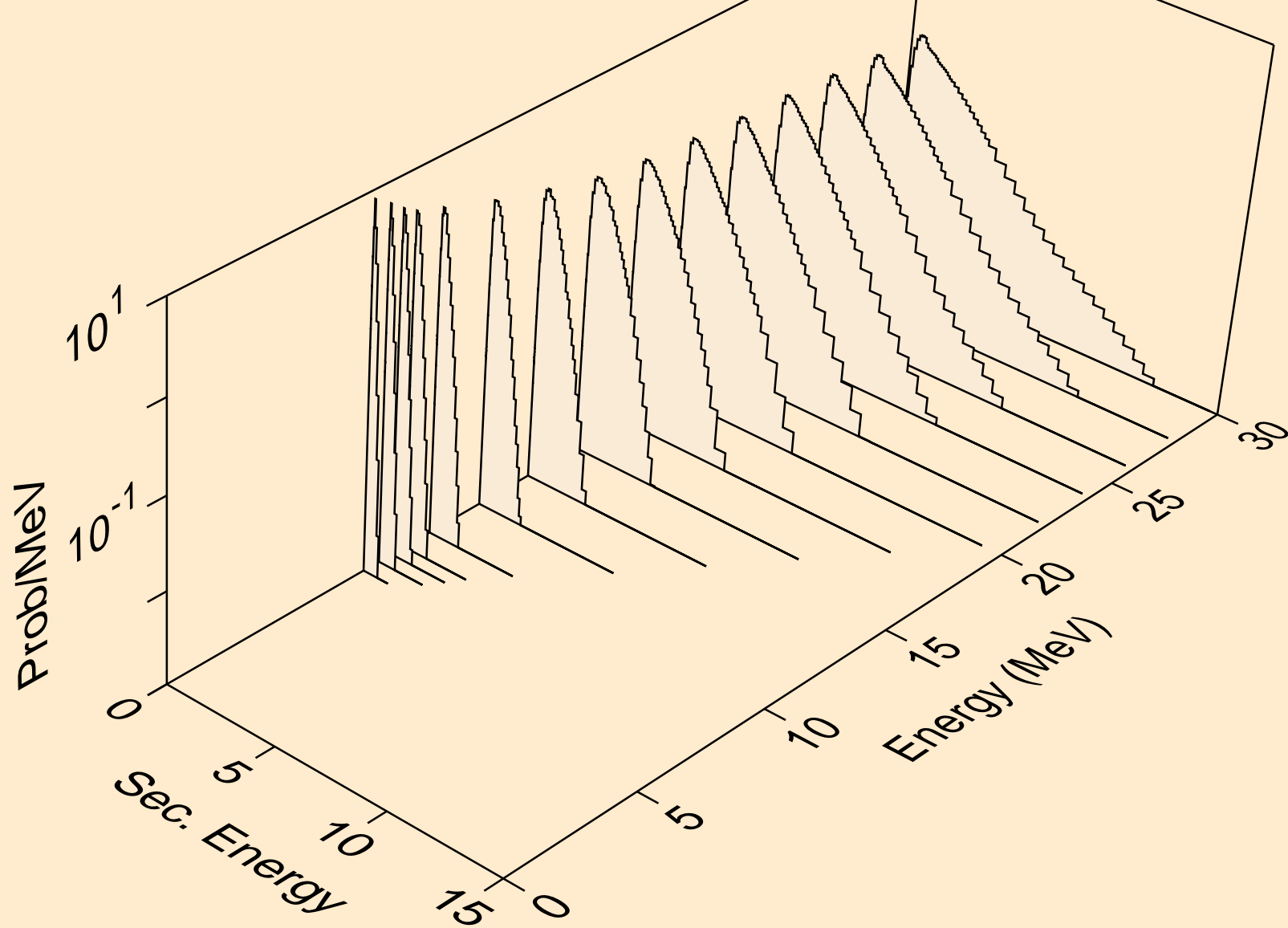
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

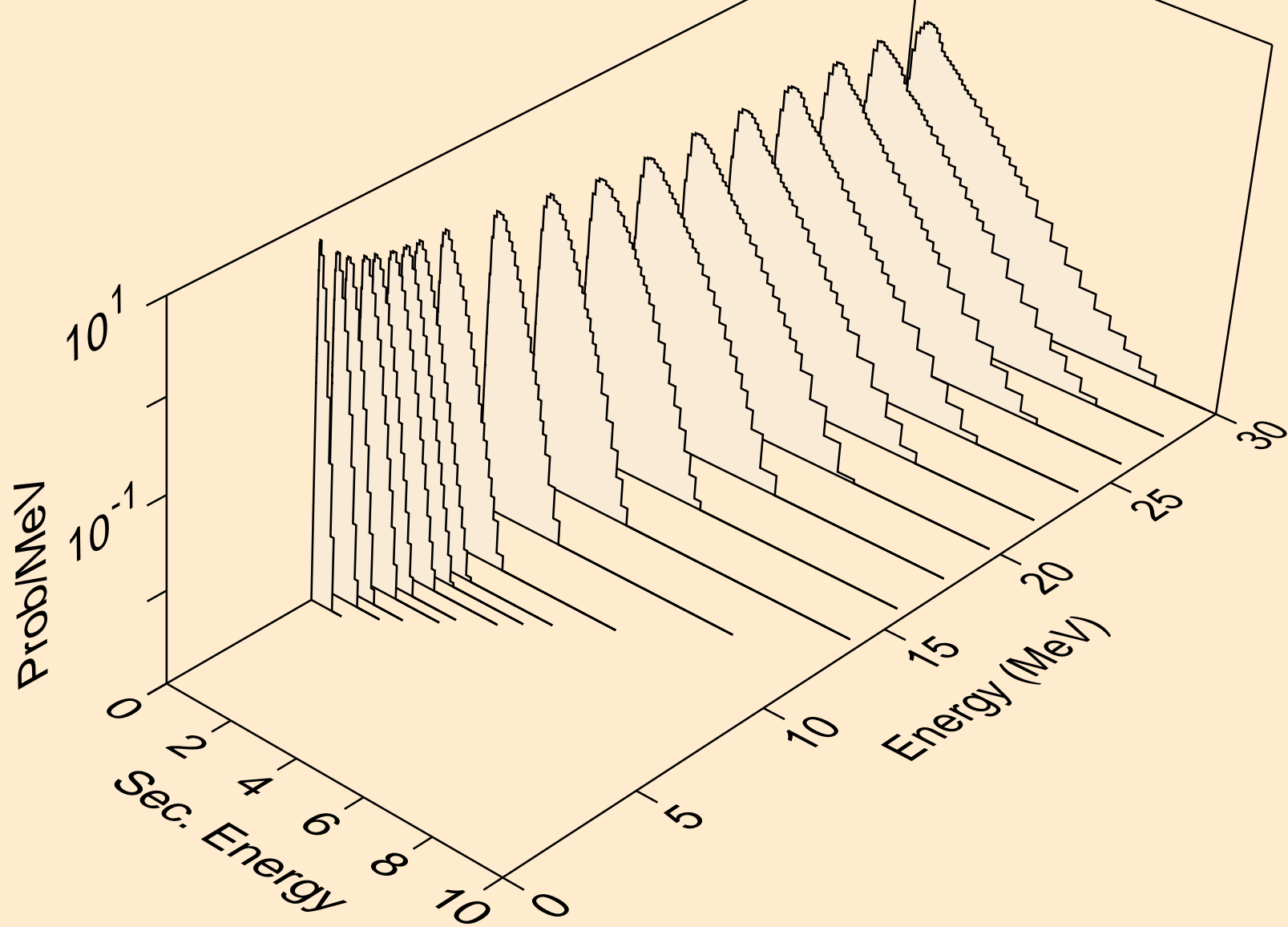


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Neutron emission for (n,2np)

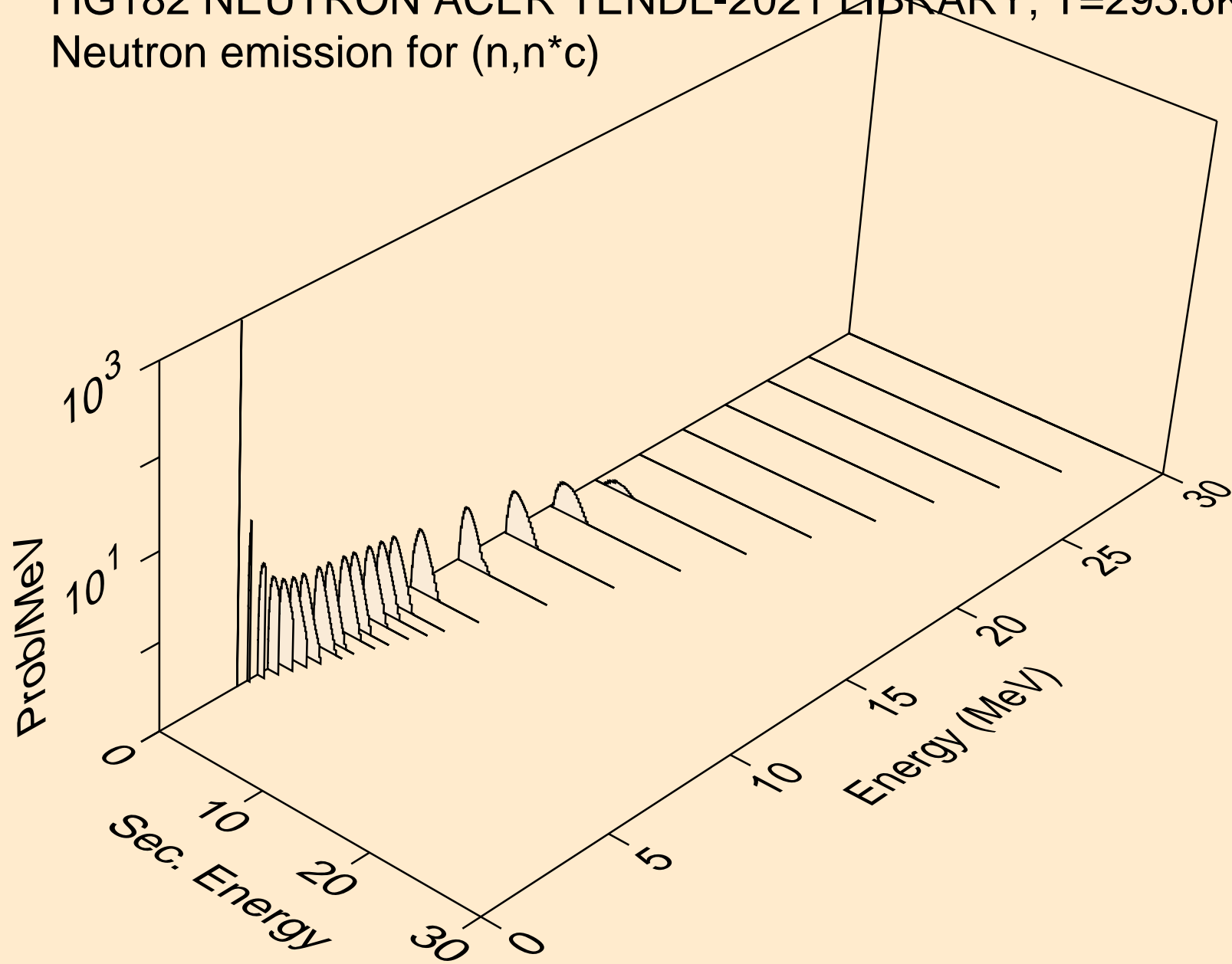




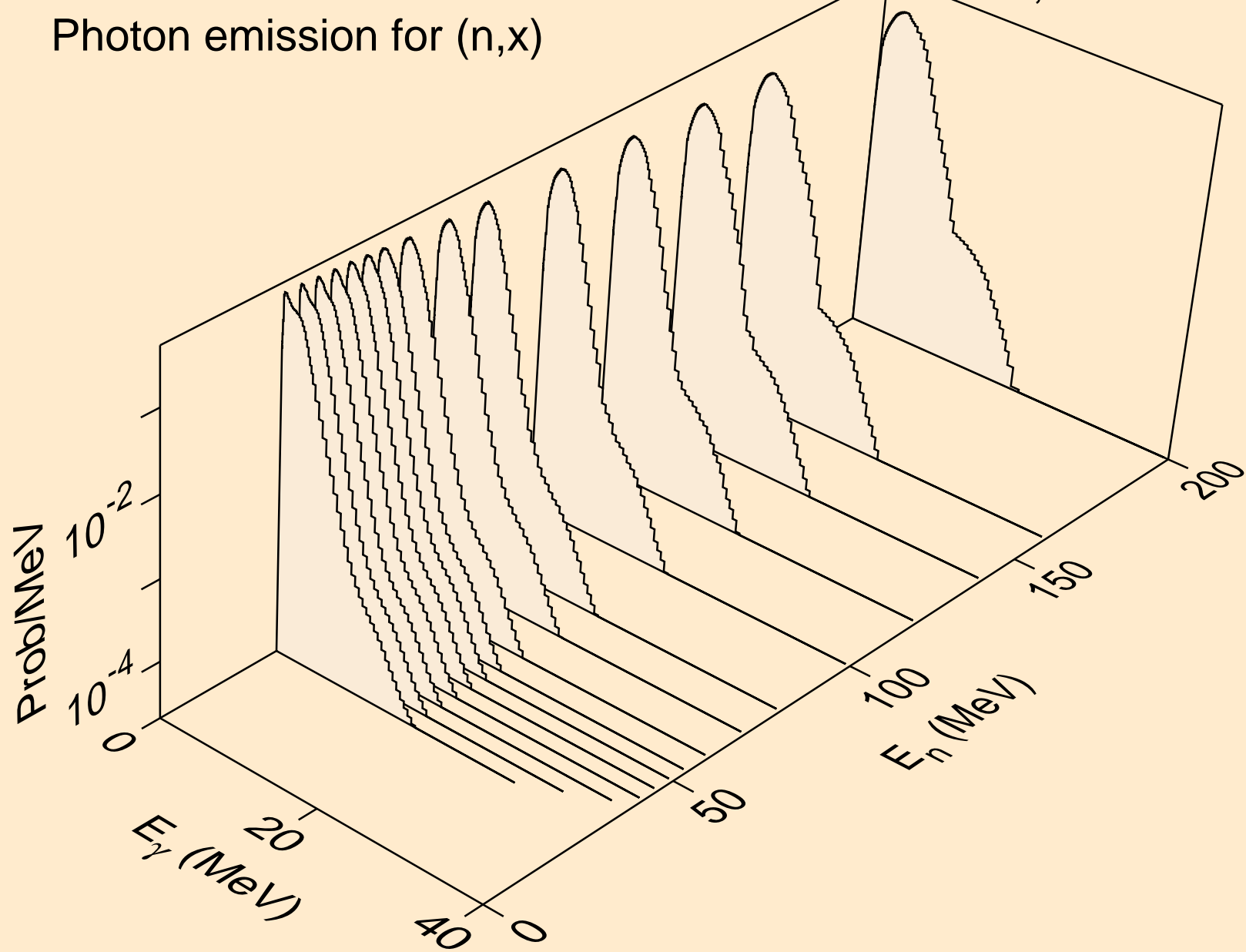
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



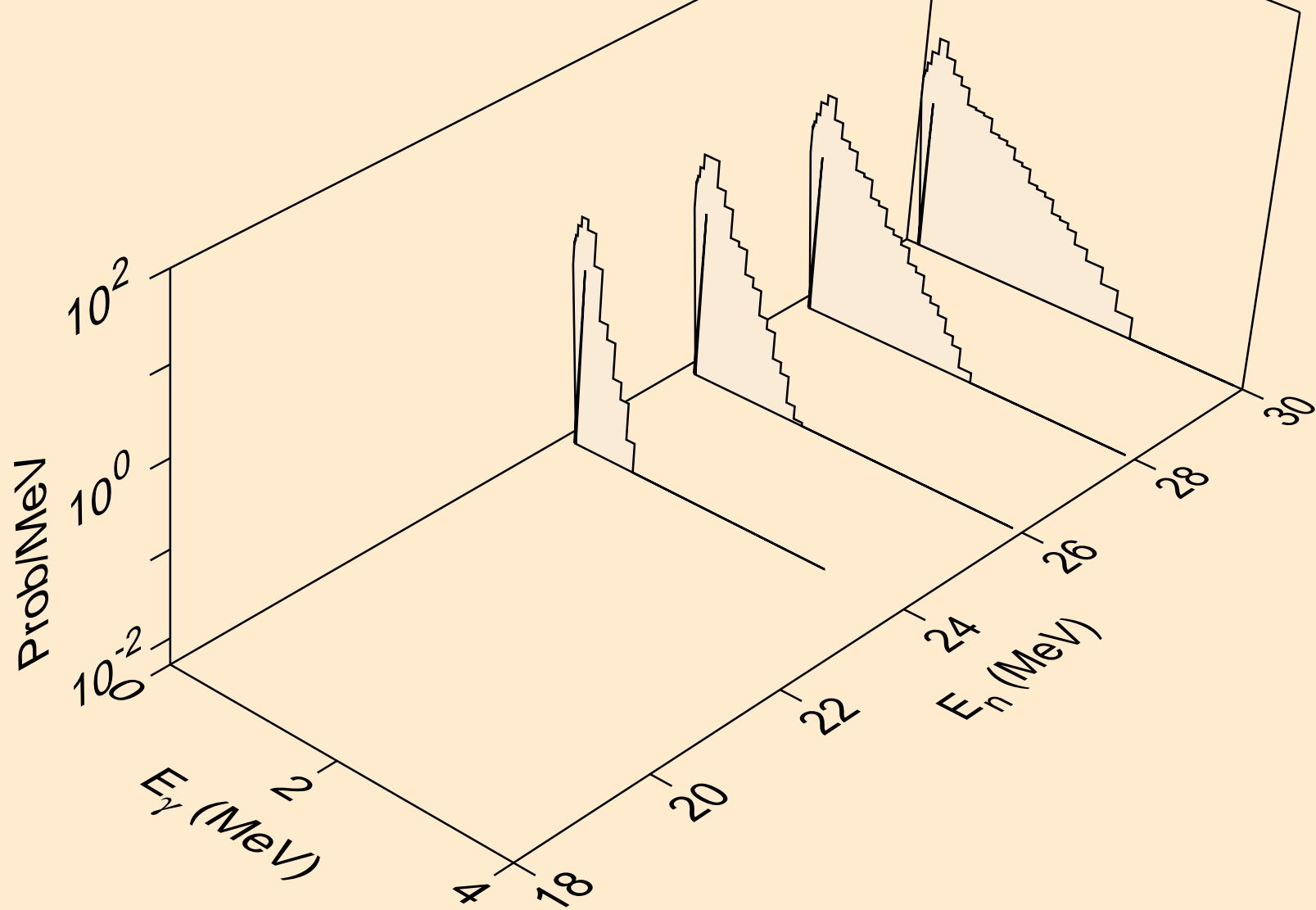
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



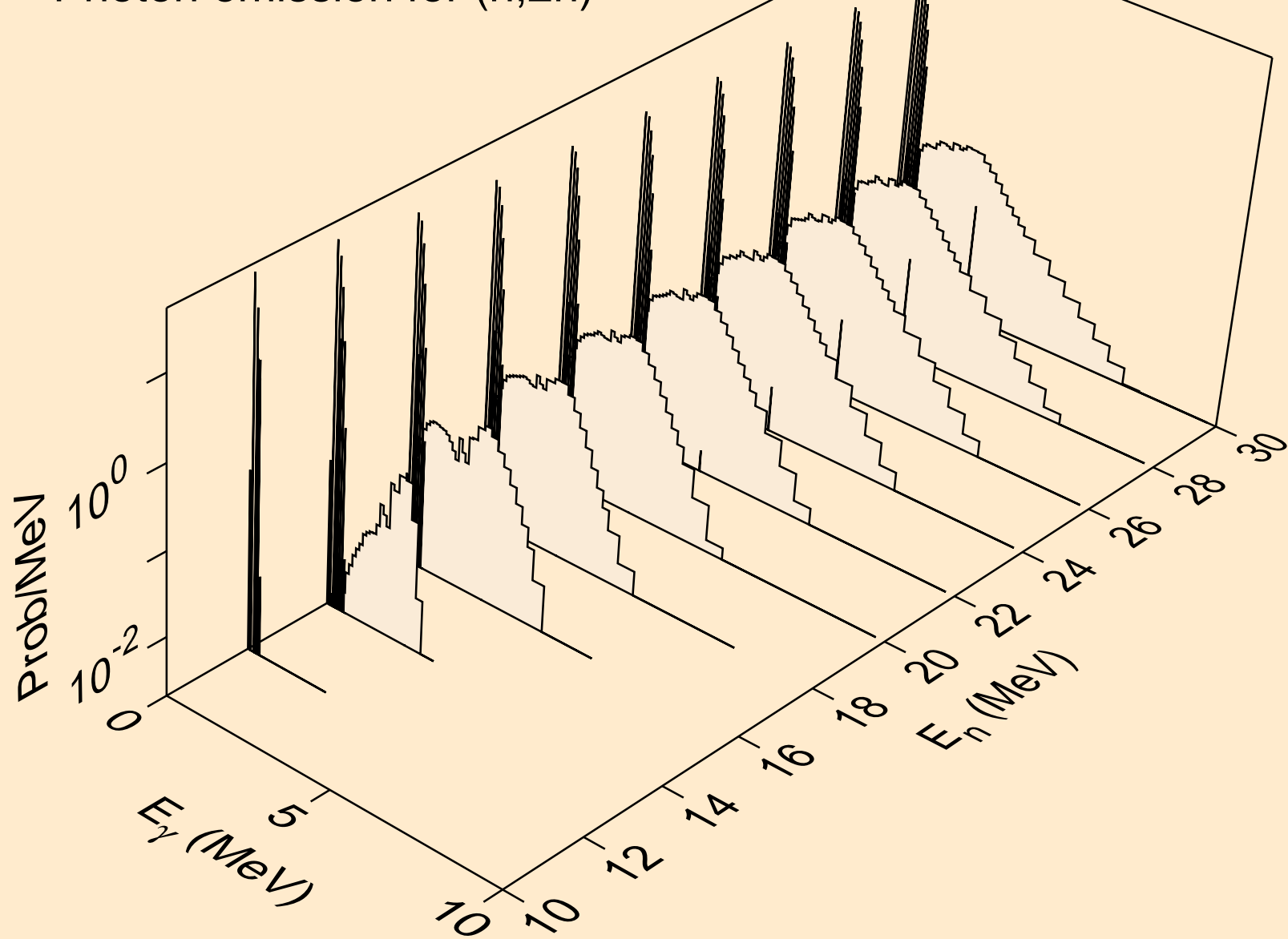
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



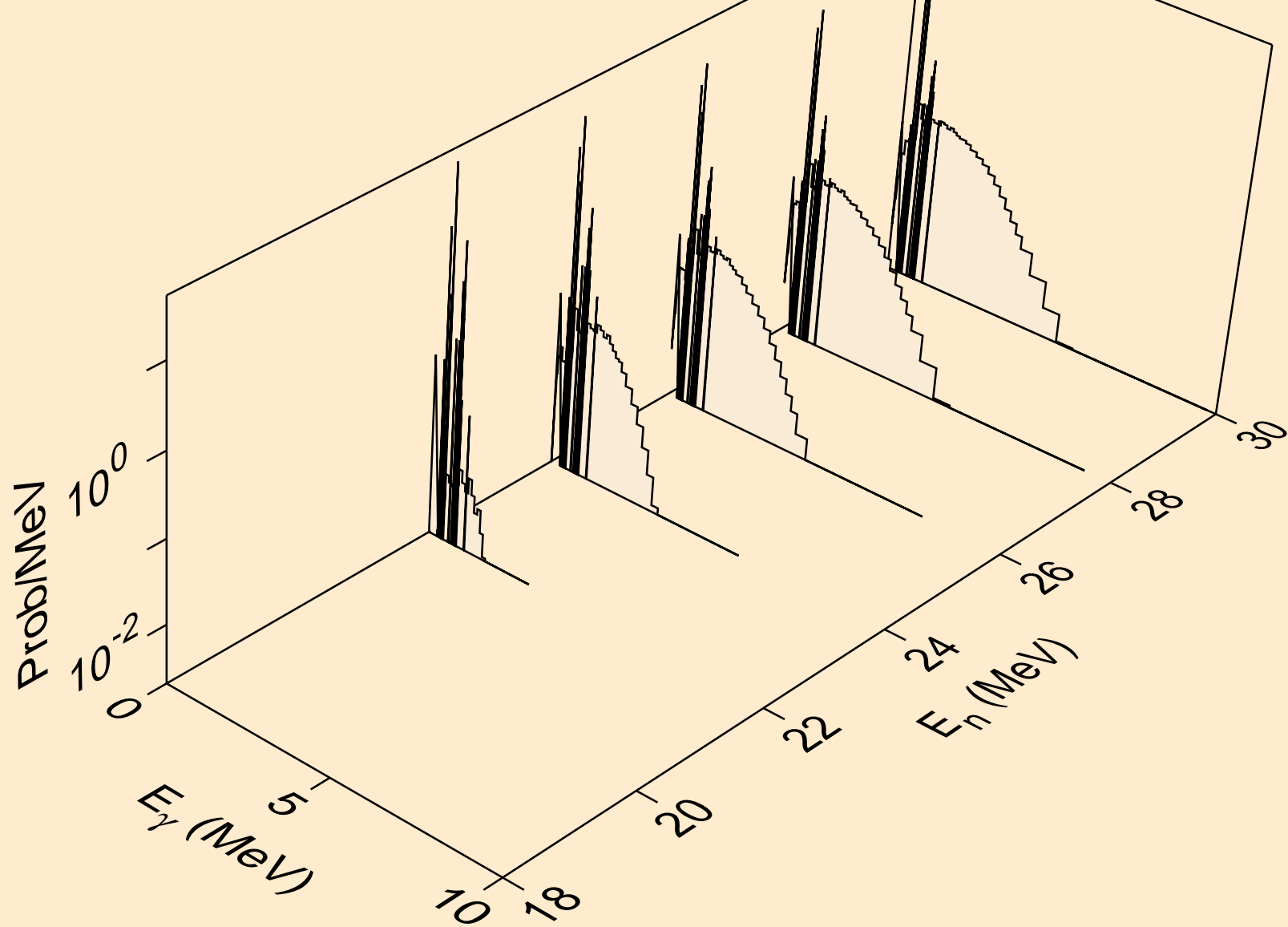
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



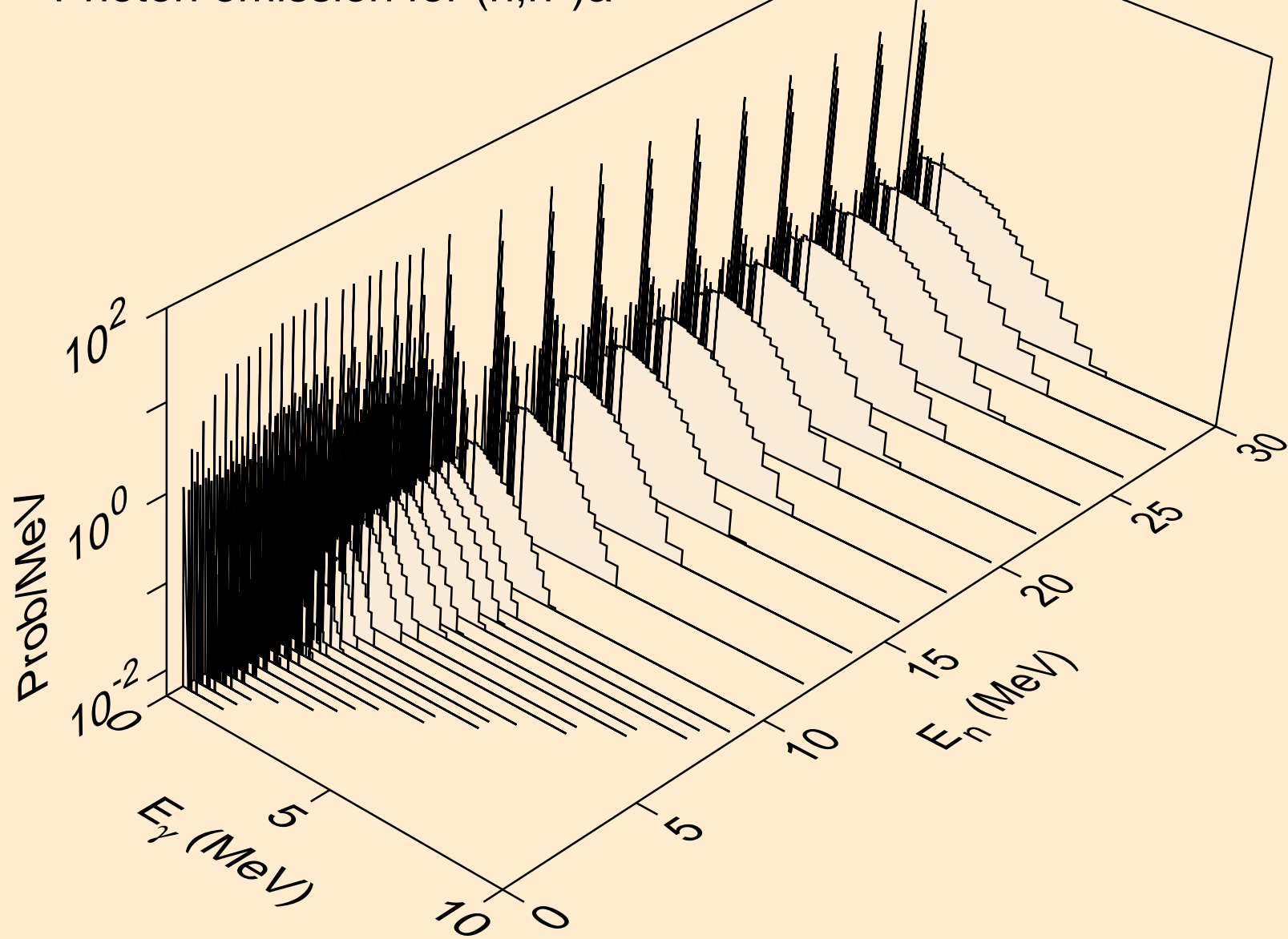
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Photon emission for (n,2n)



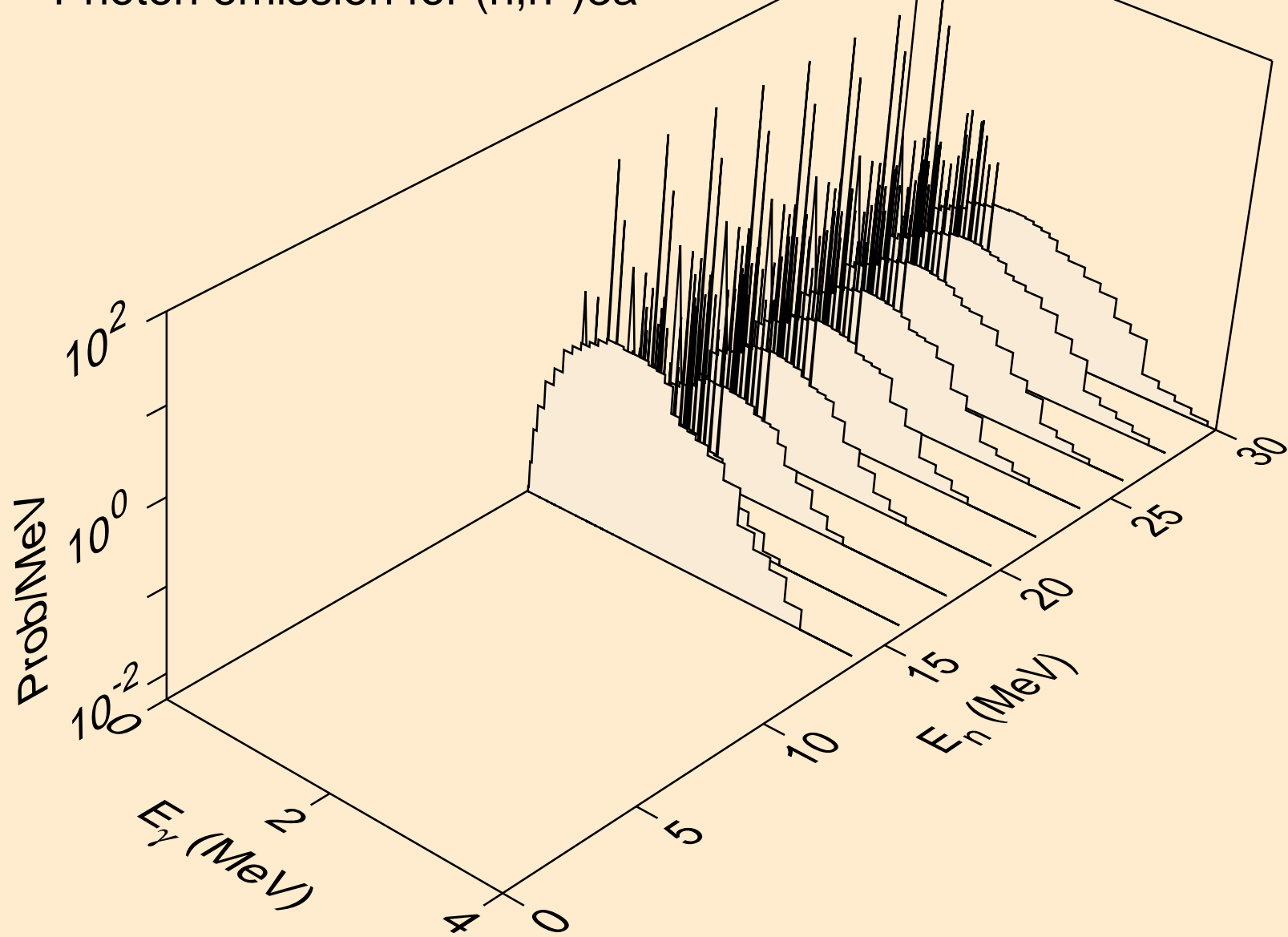
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

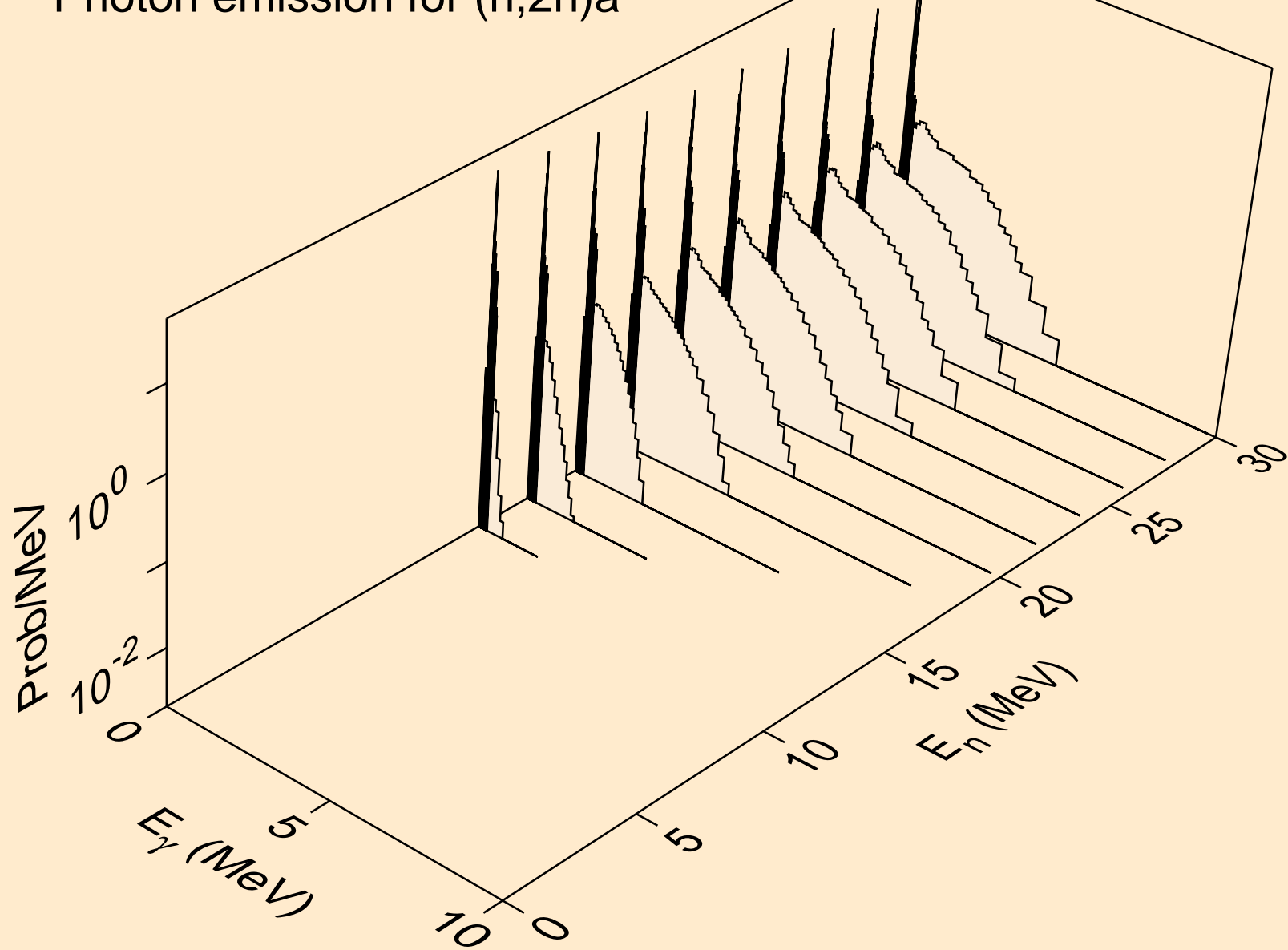


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a

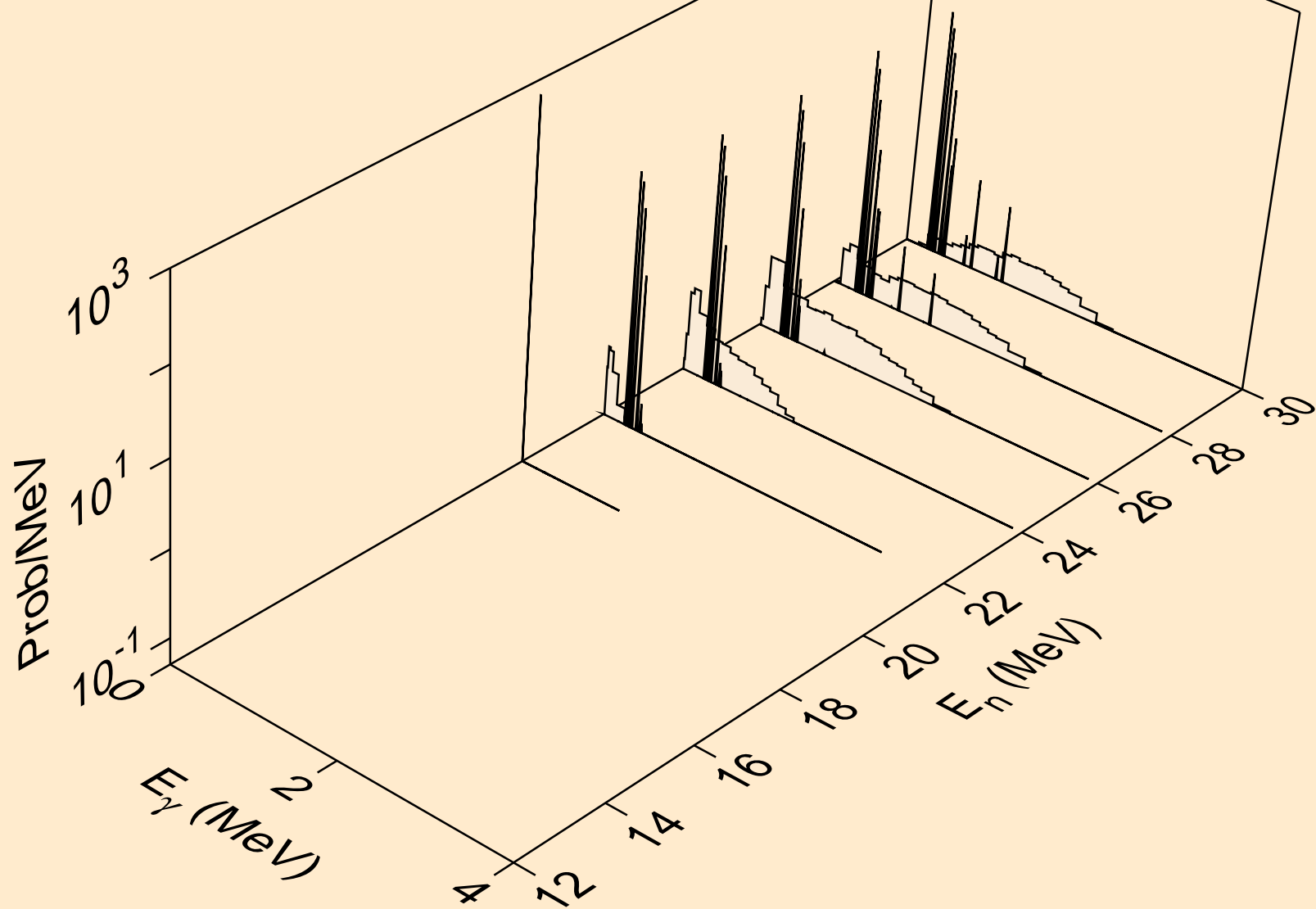




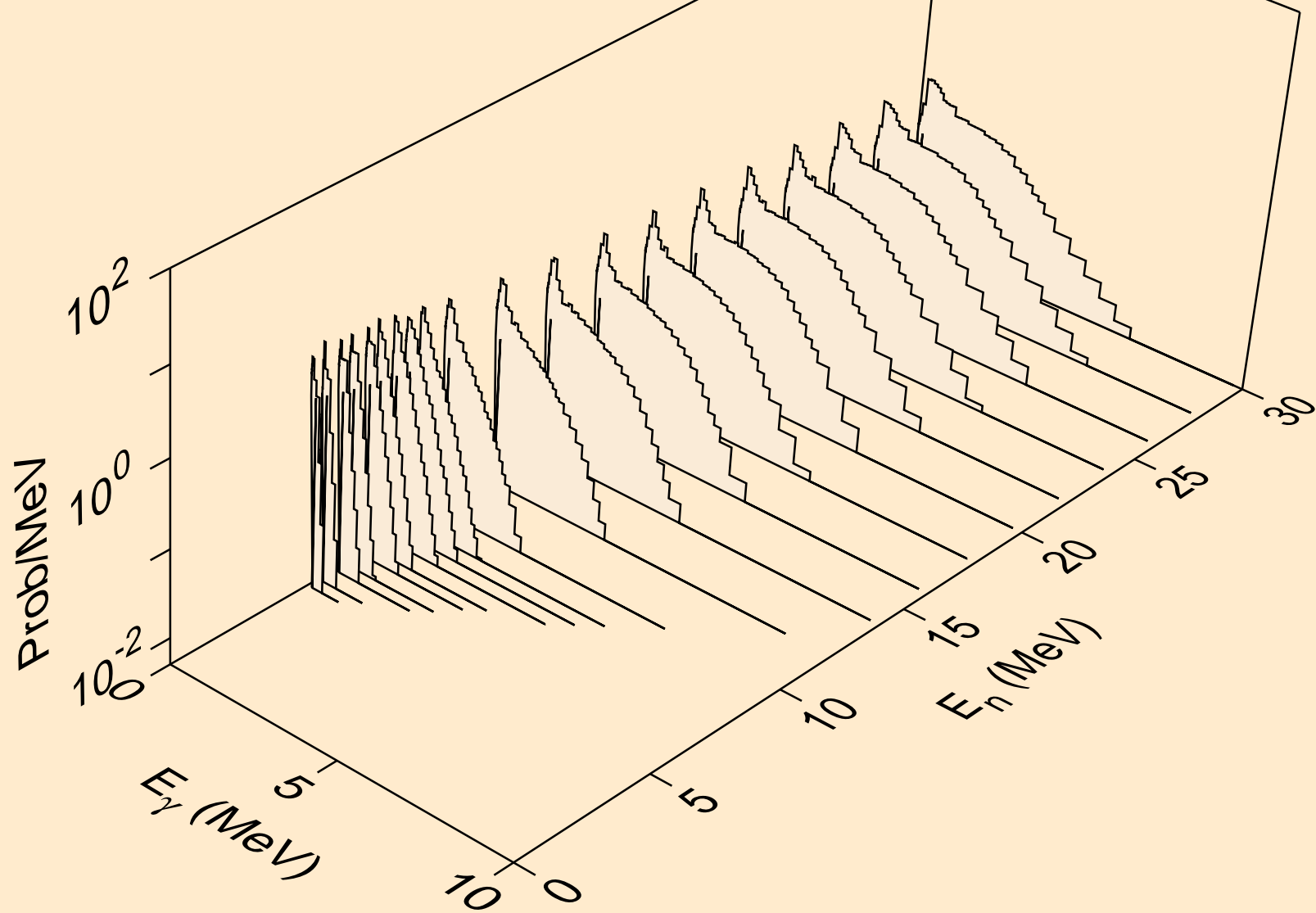
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



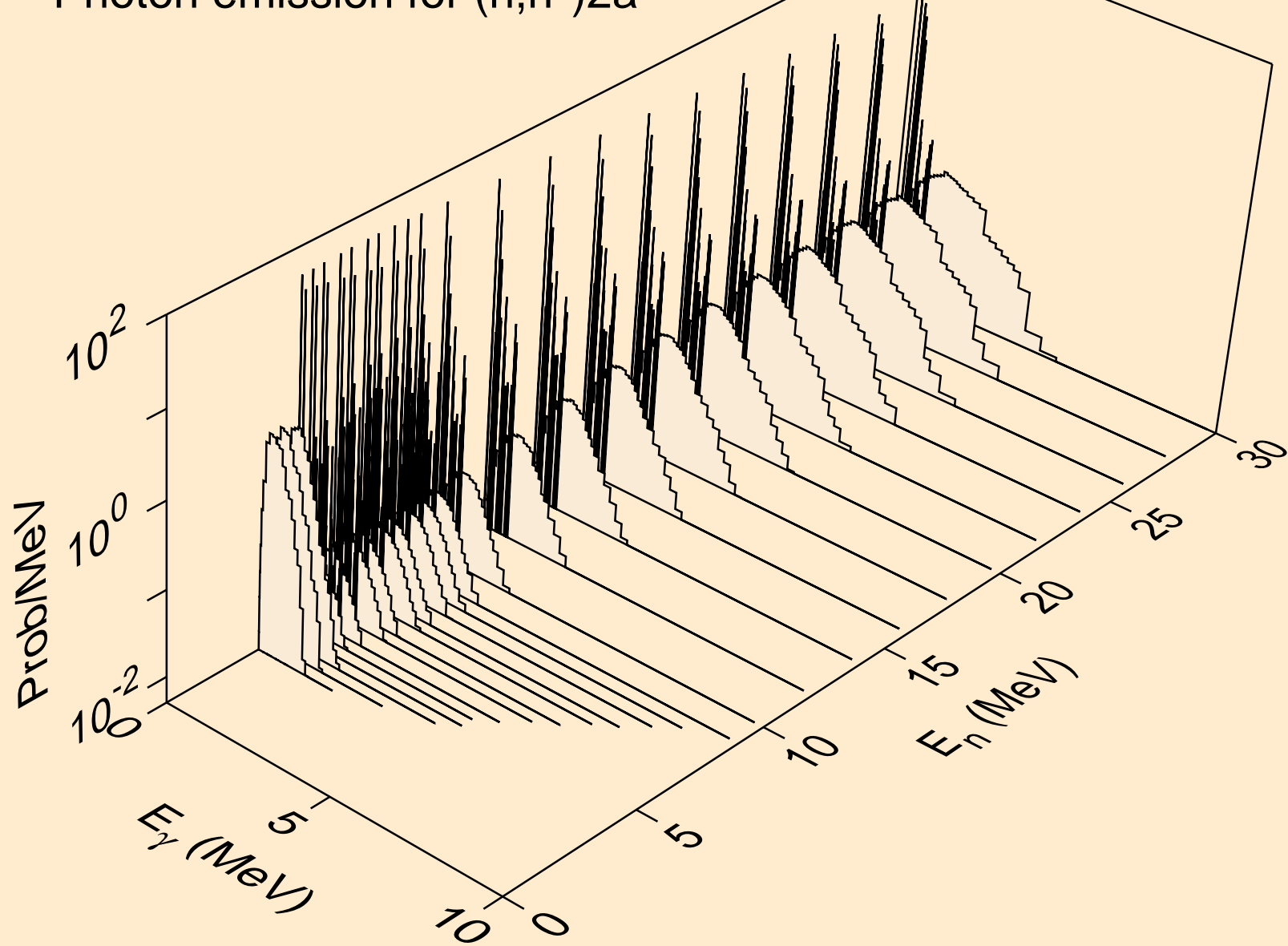
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



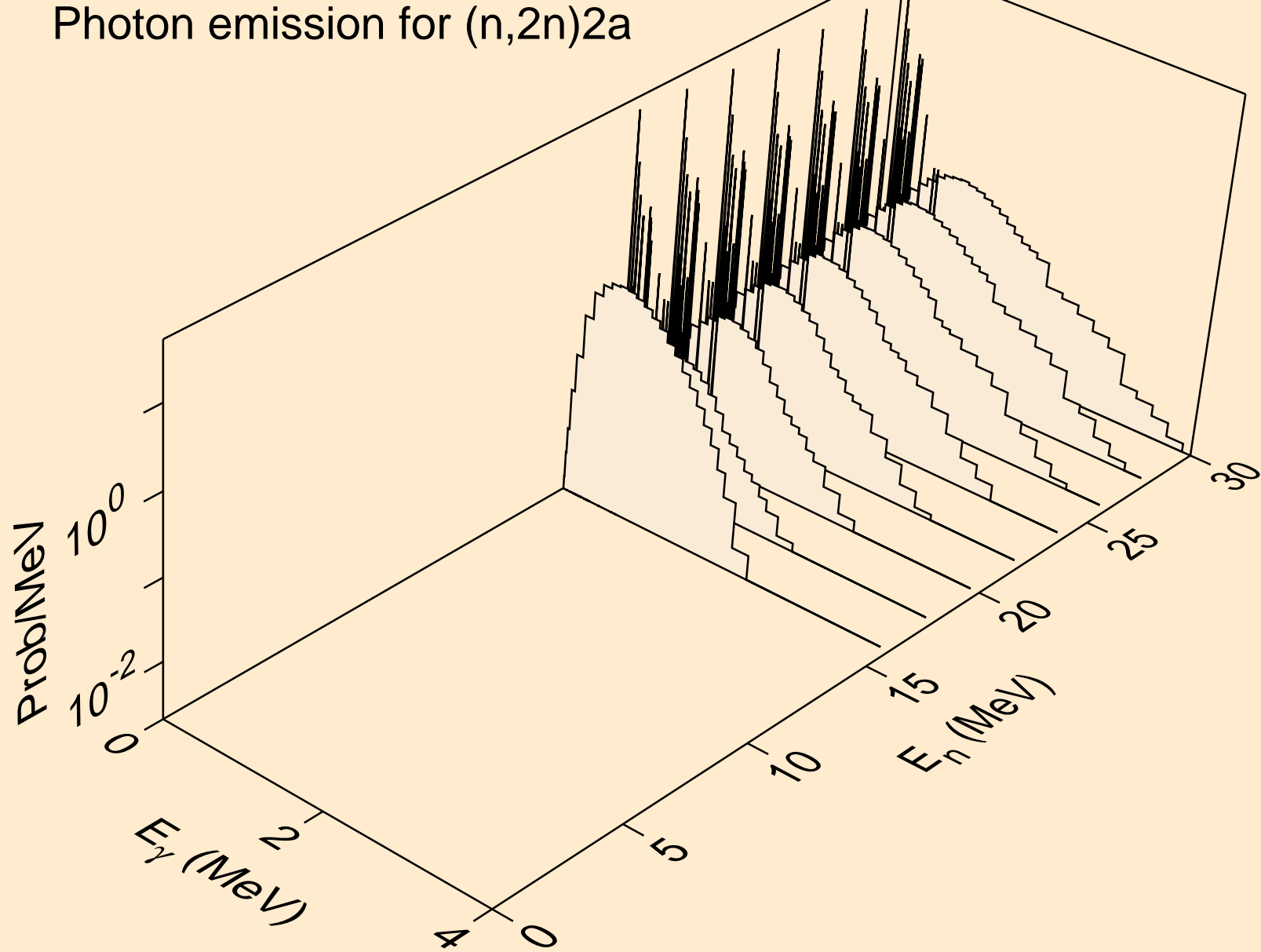
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



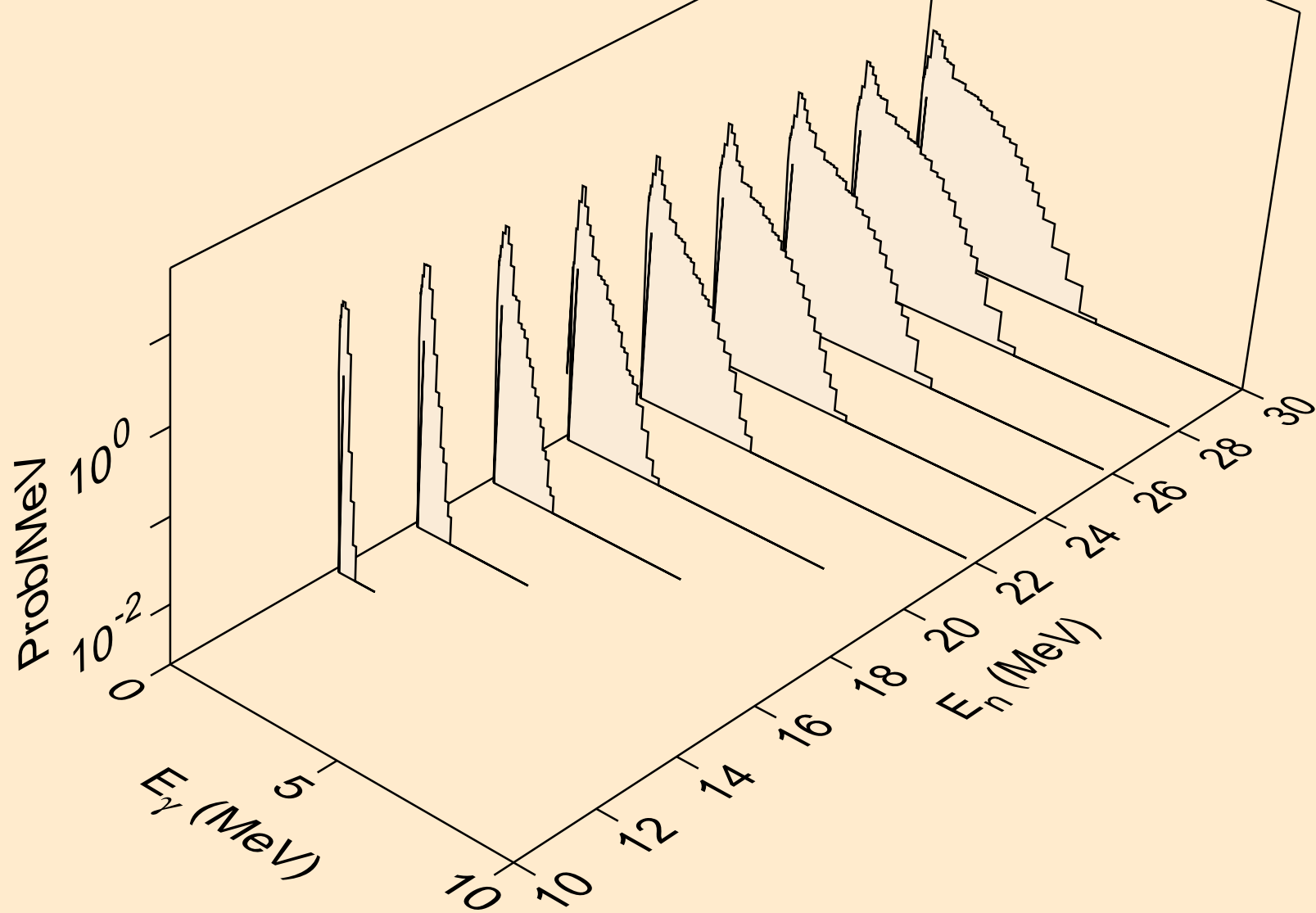
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



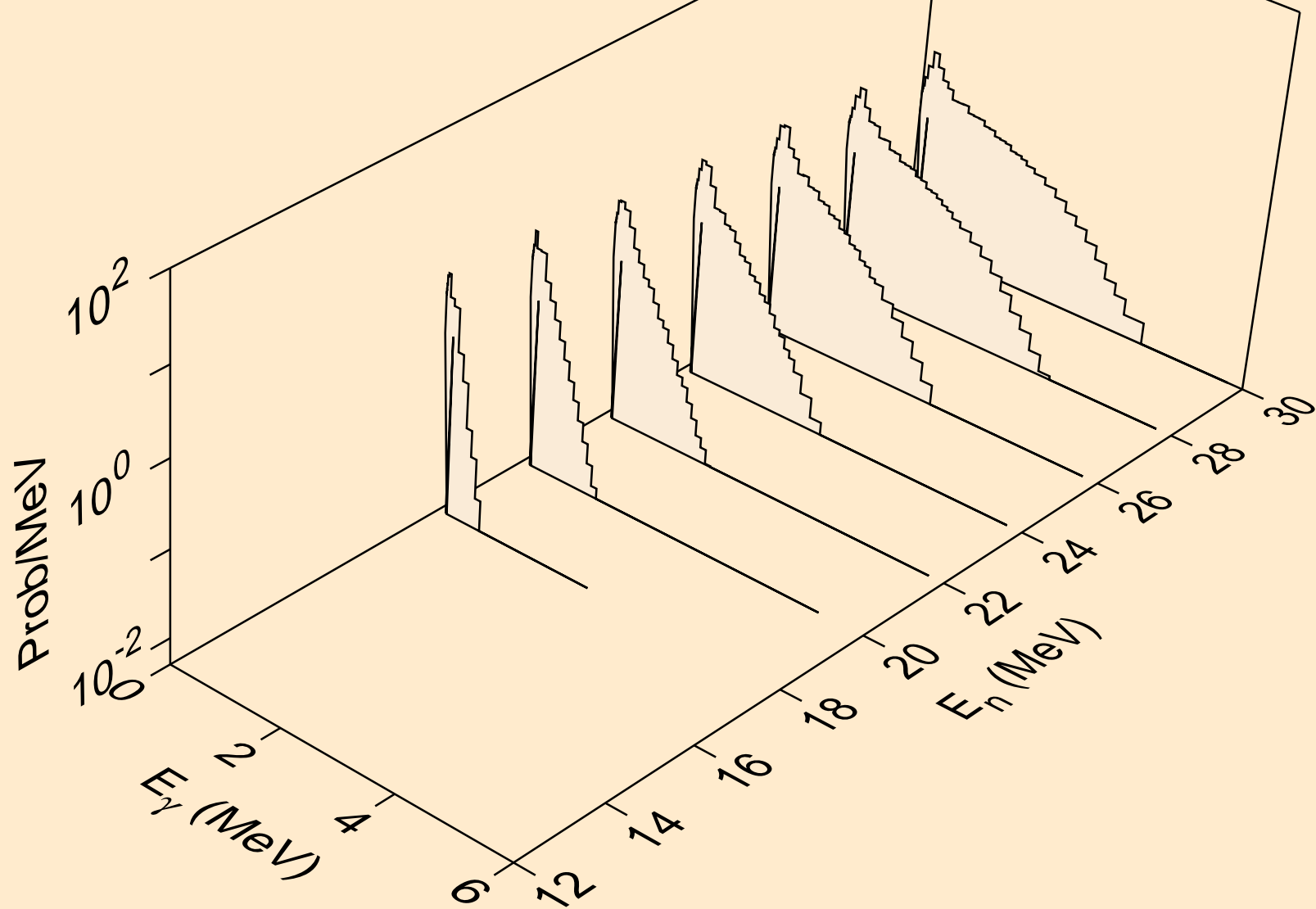
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



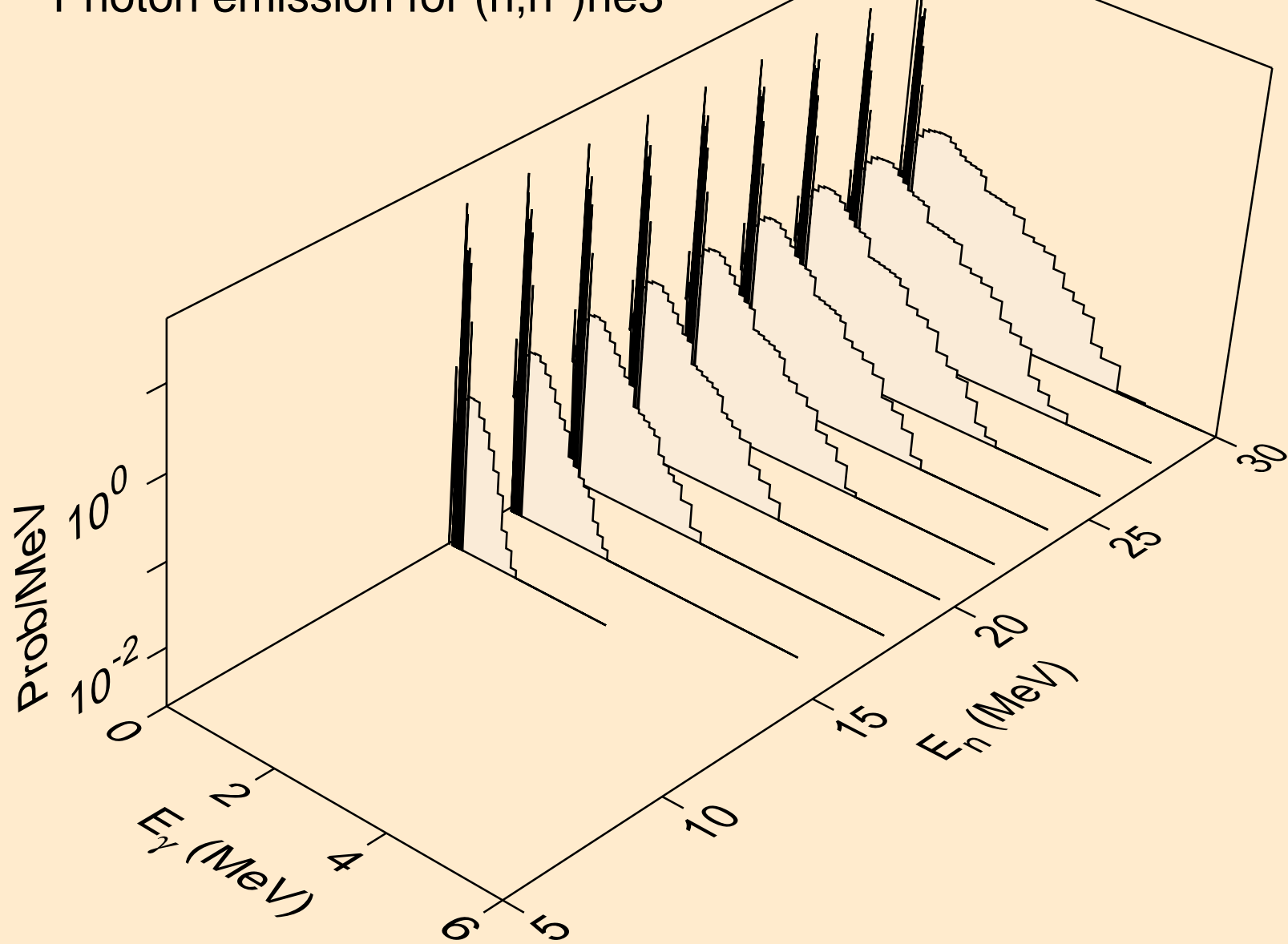
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

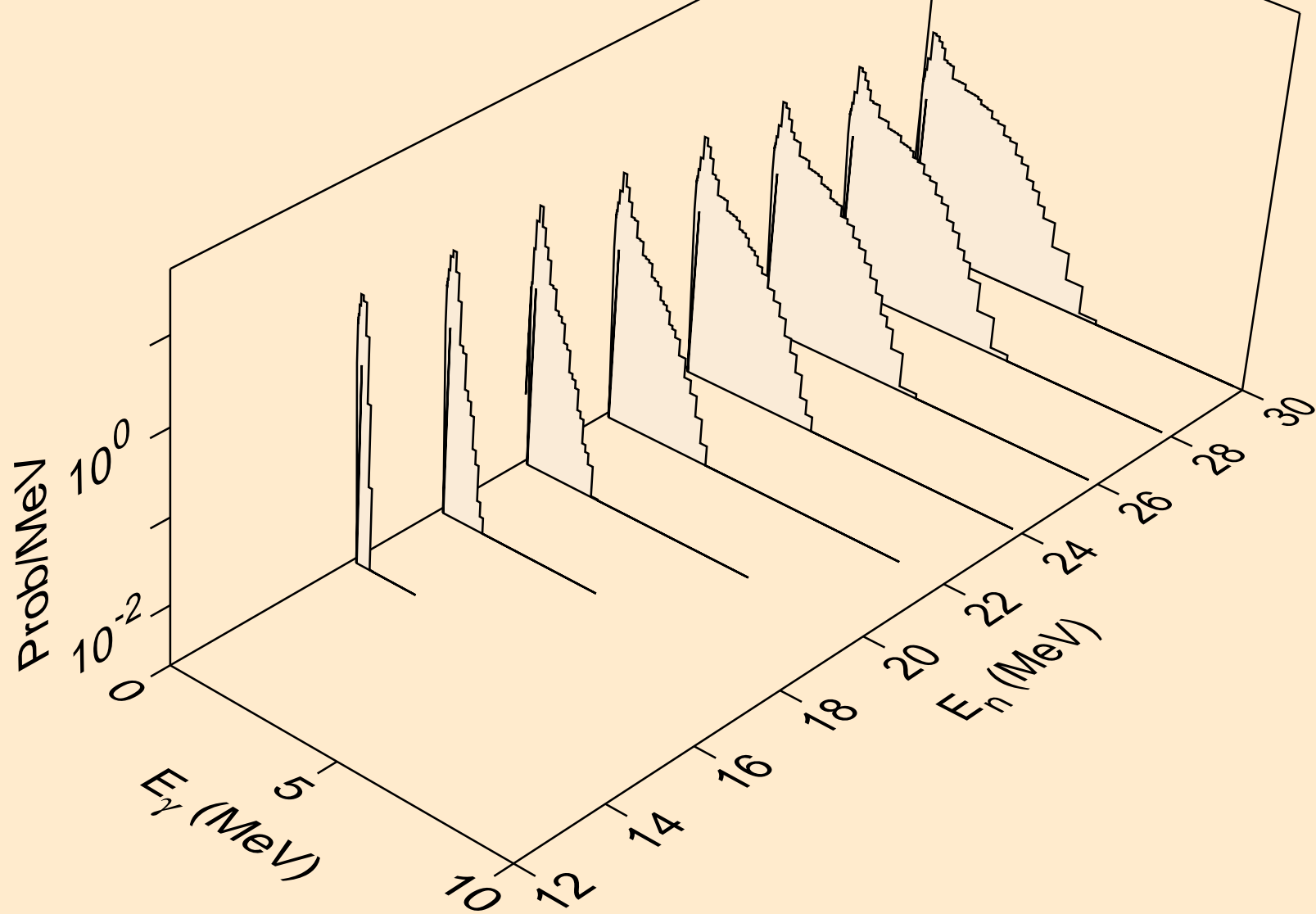


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

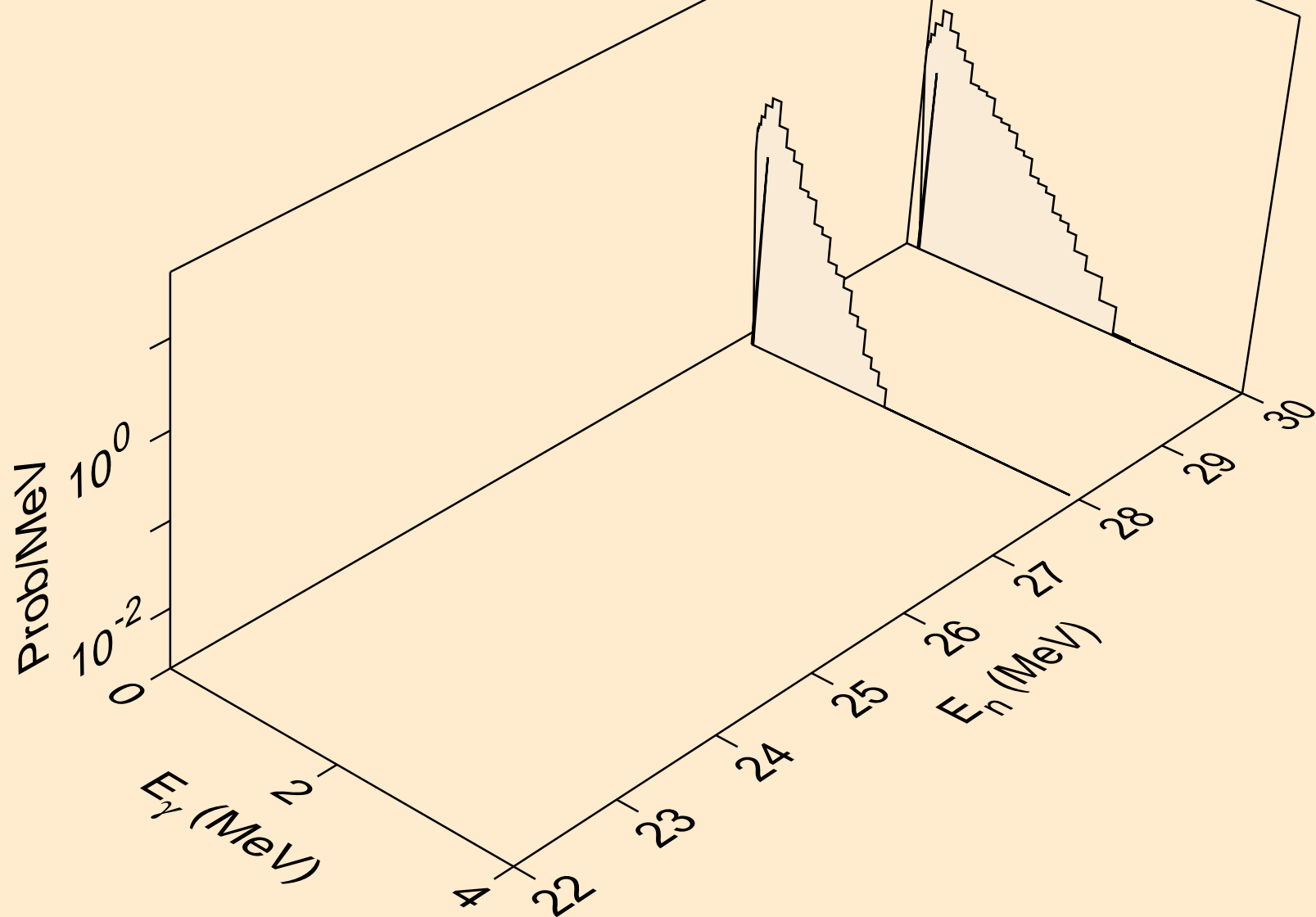




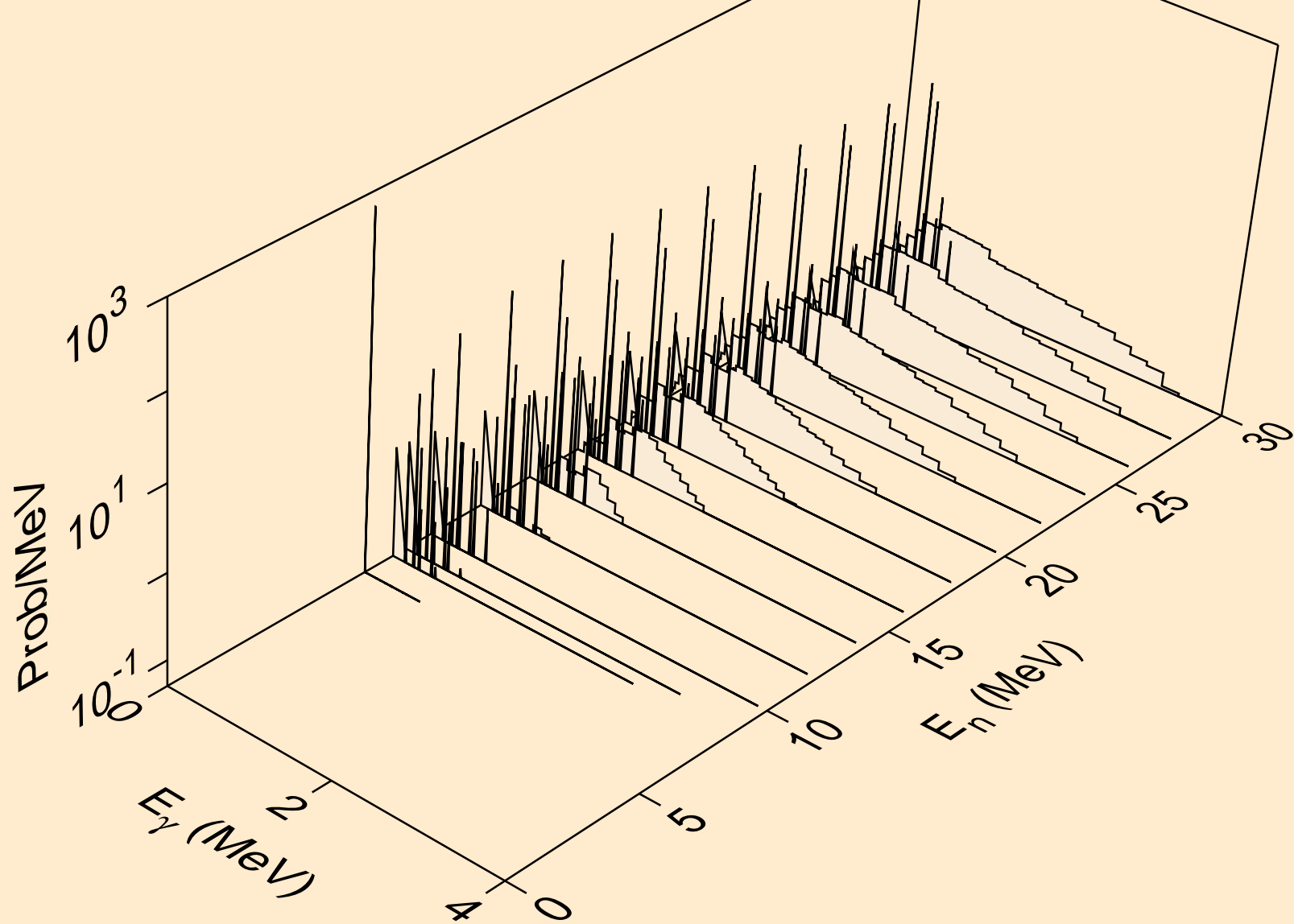
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



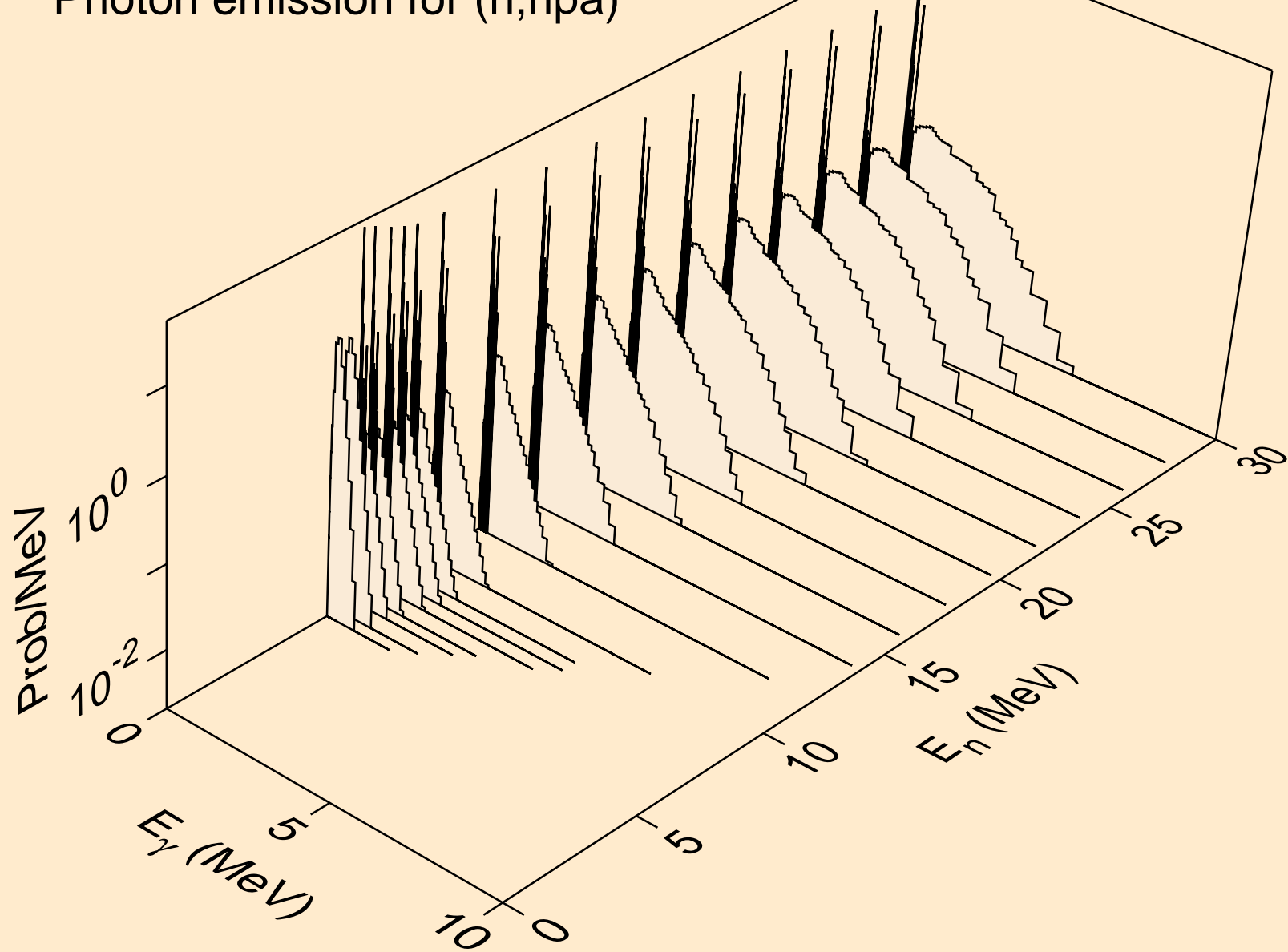
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



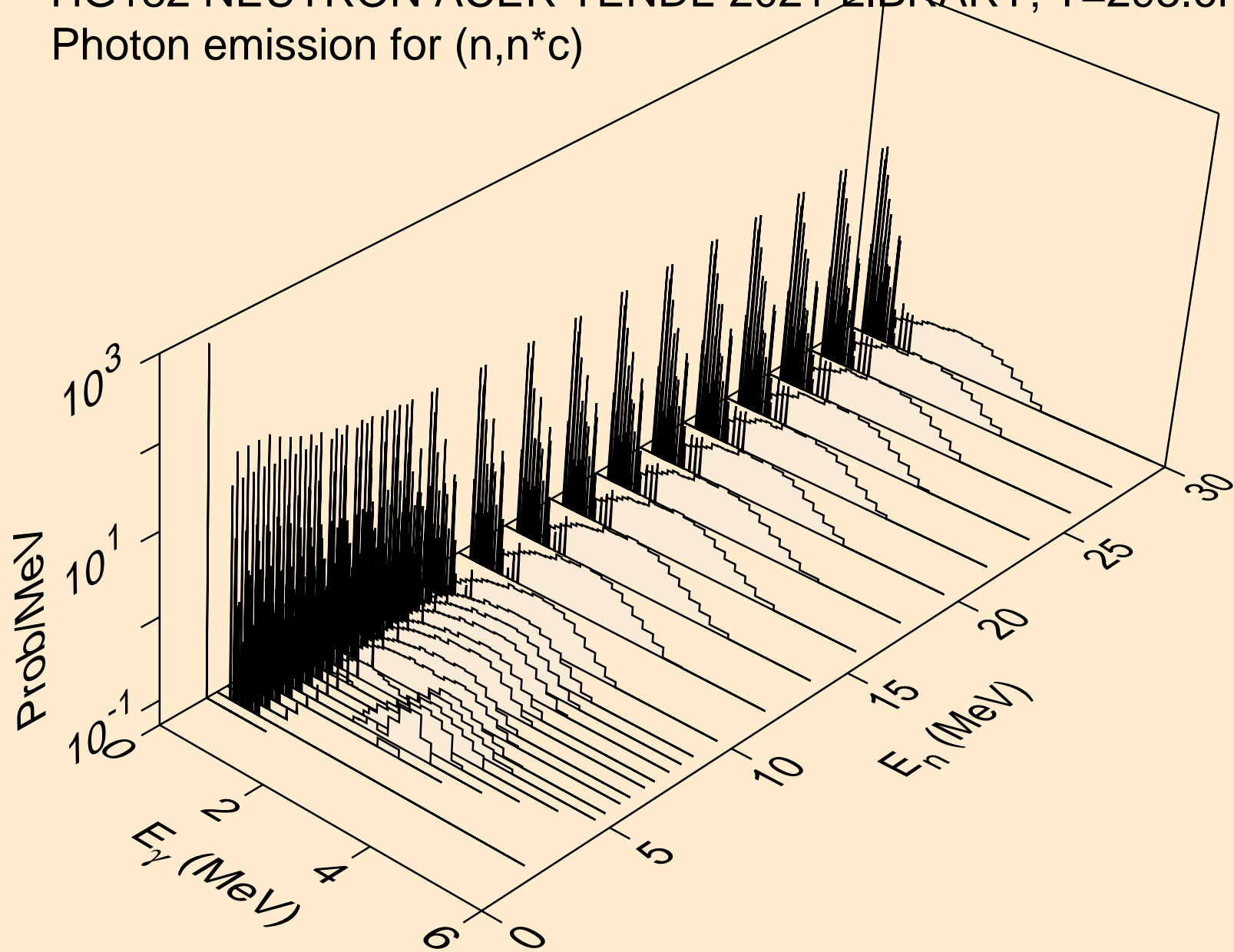
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



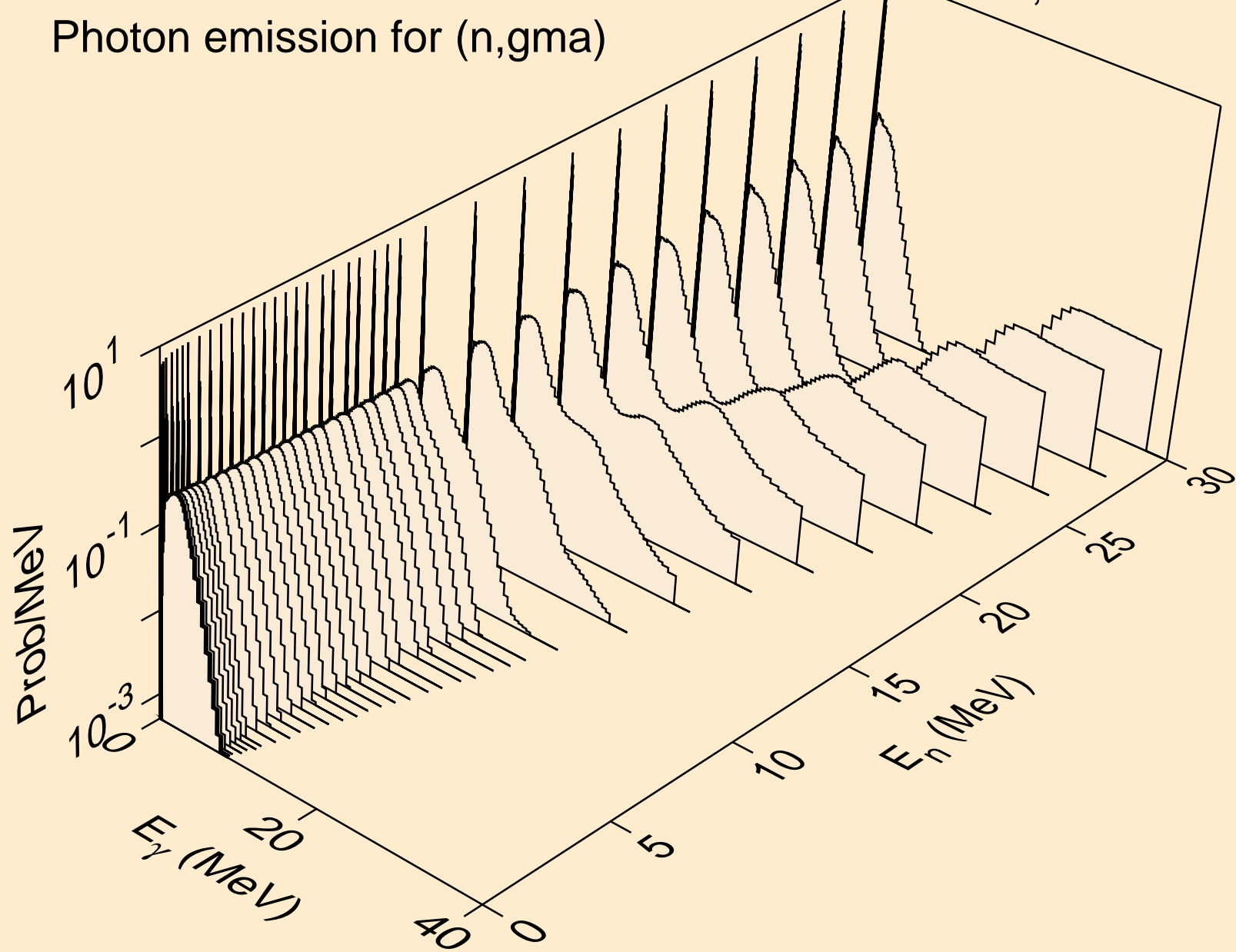
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



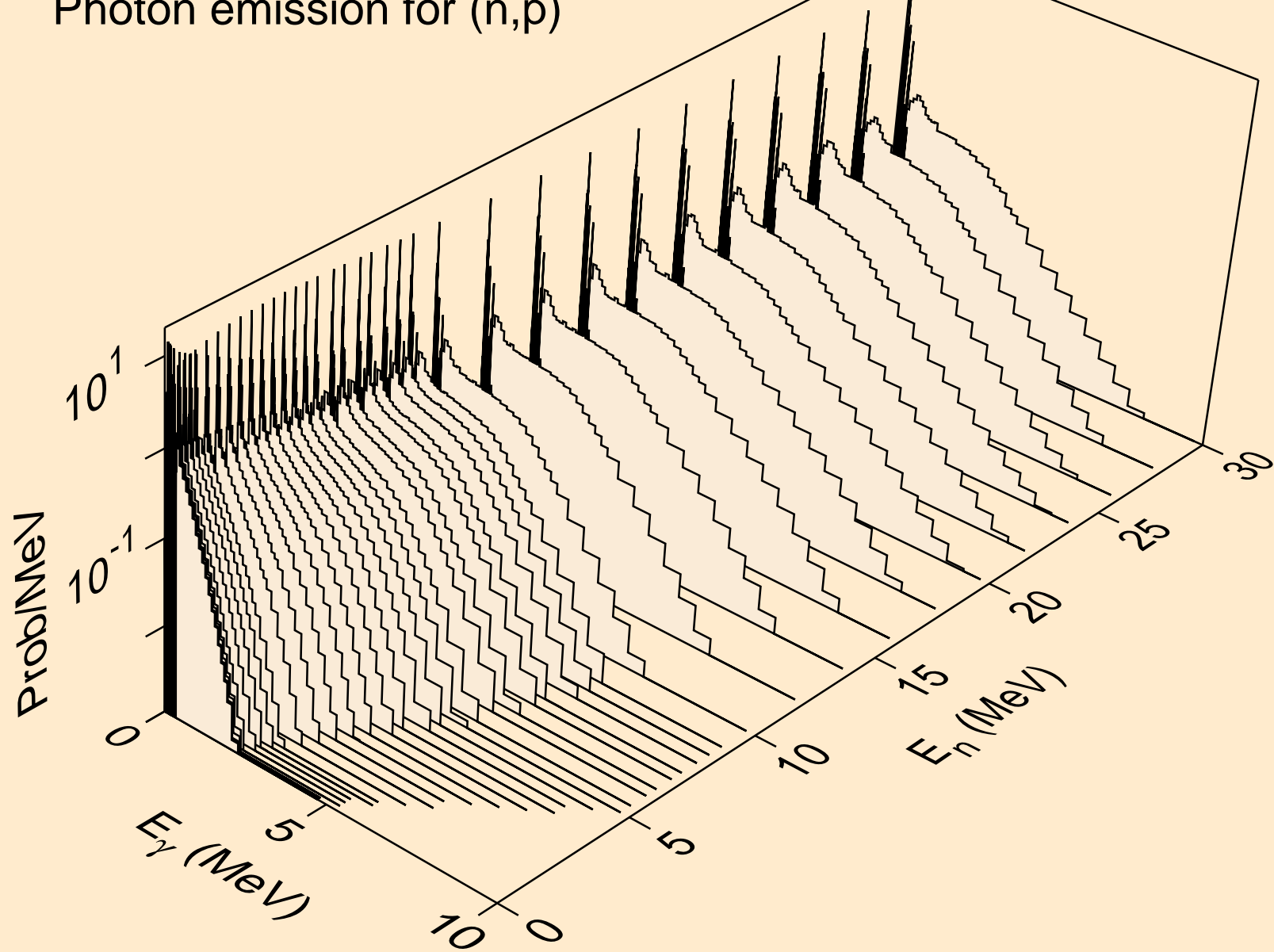
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



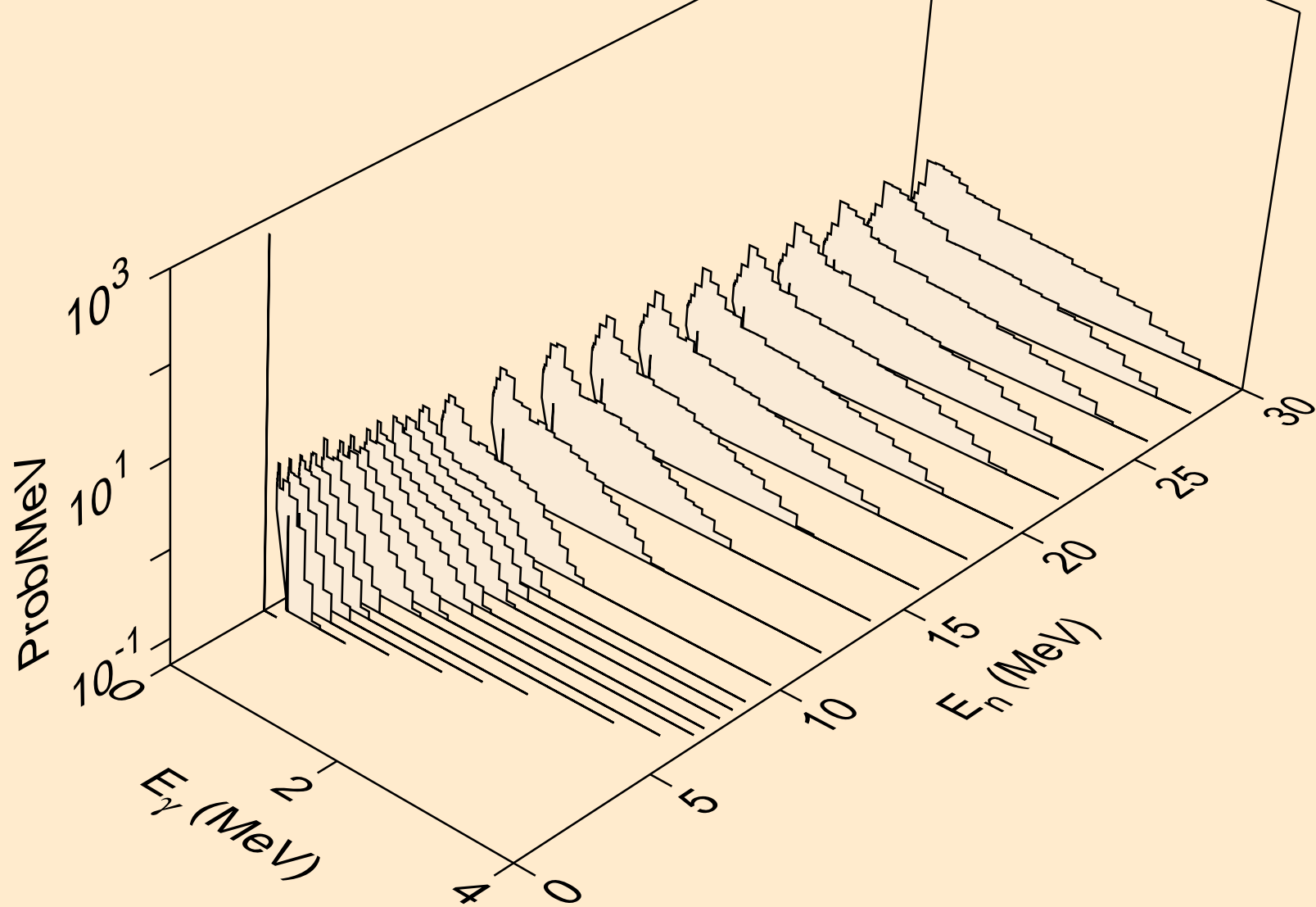
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

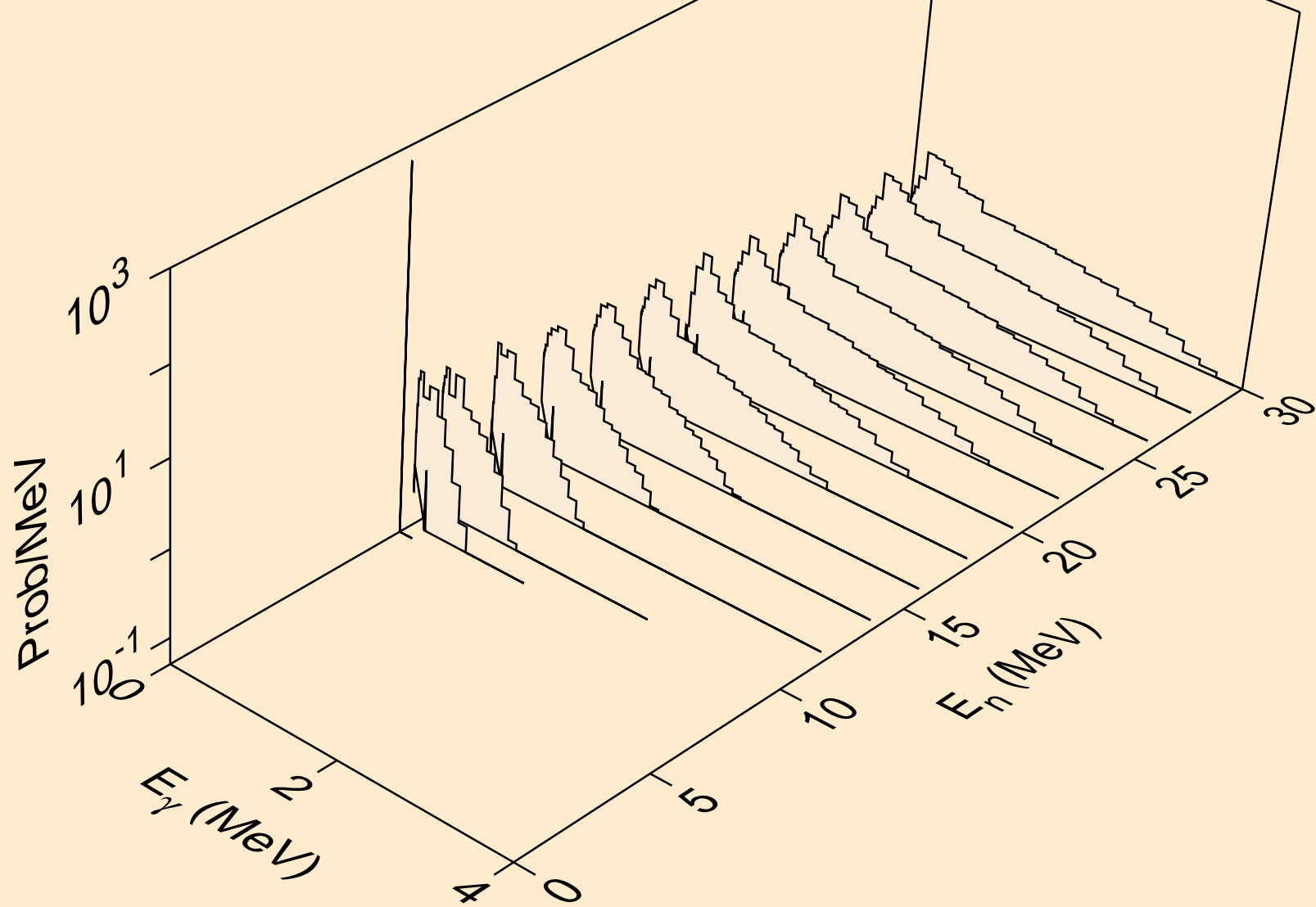


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

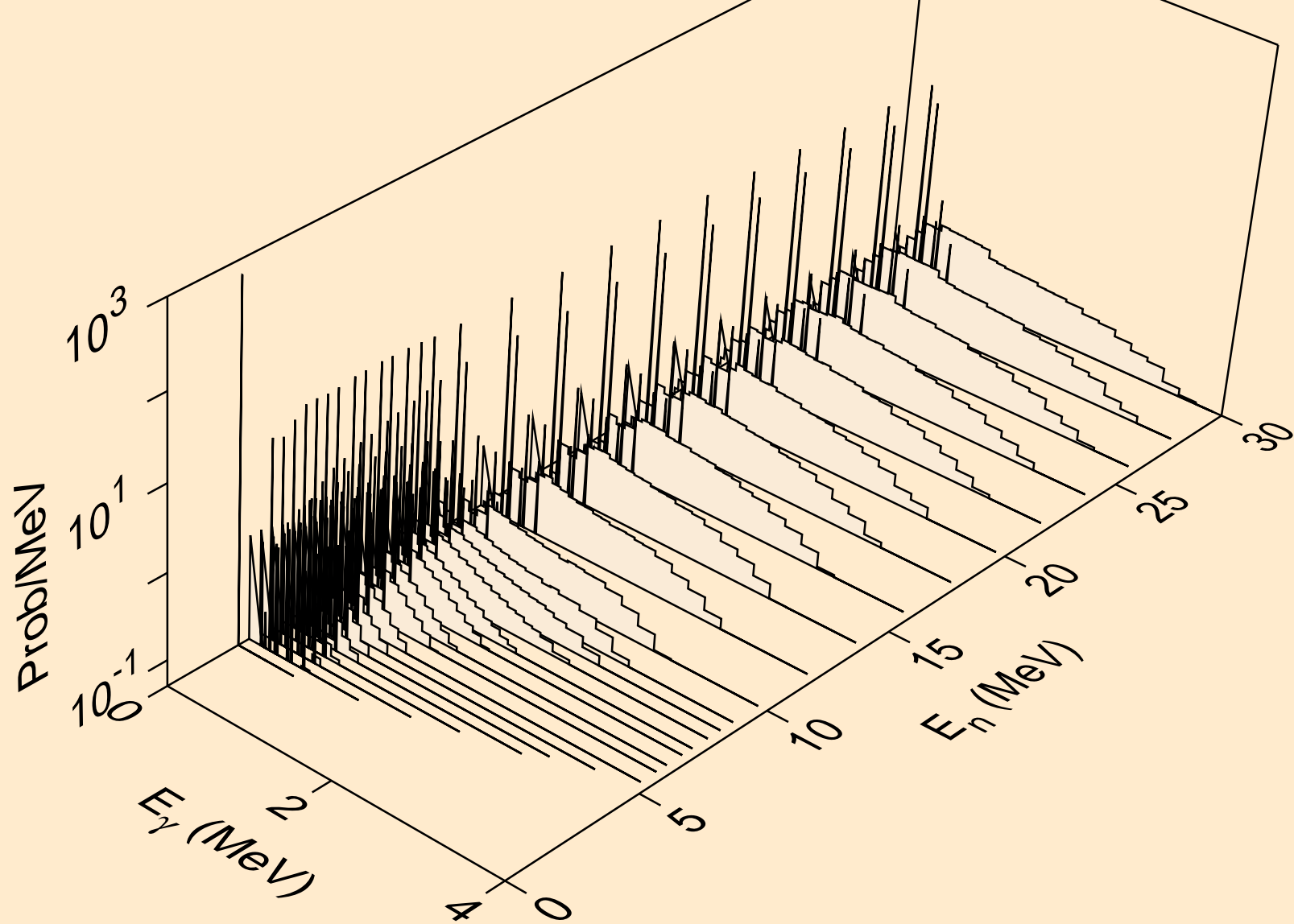




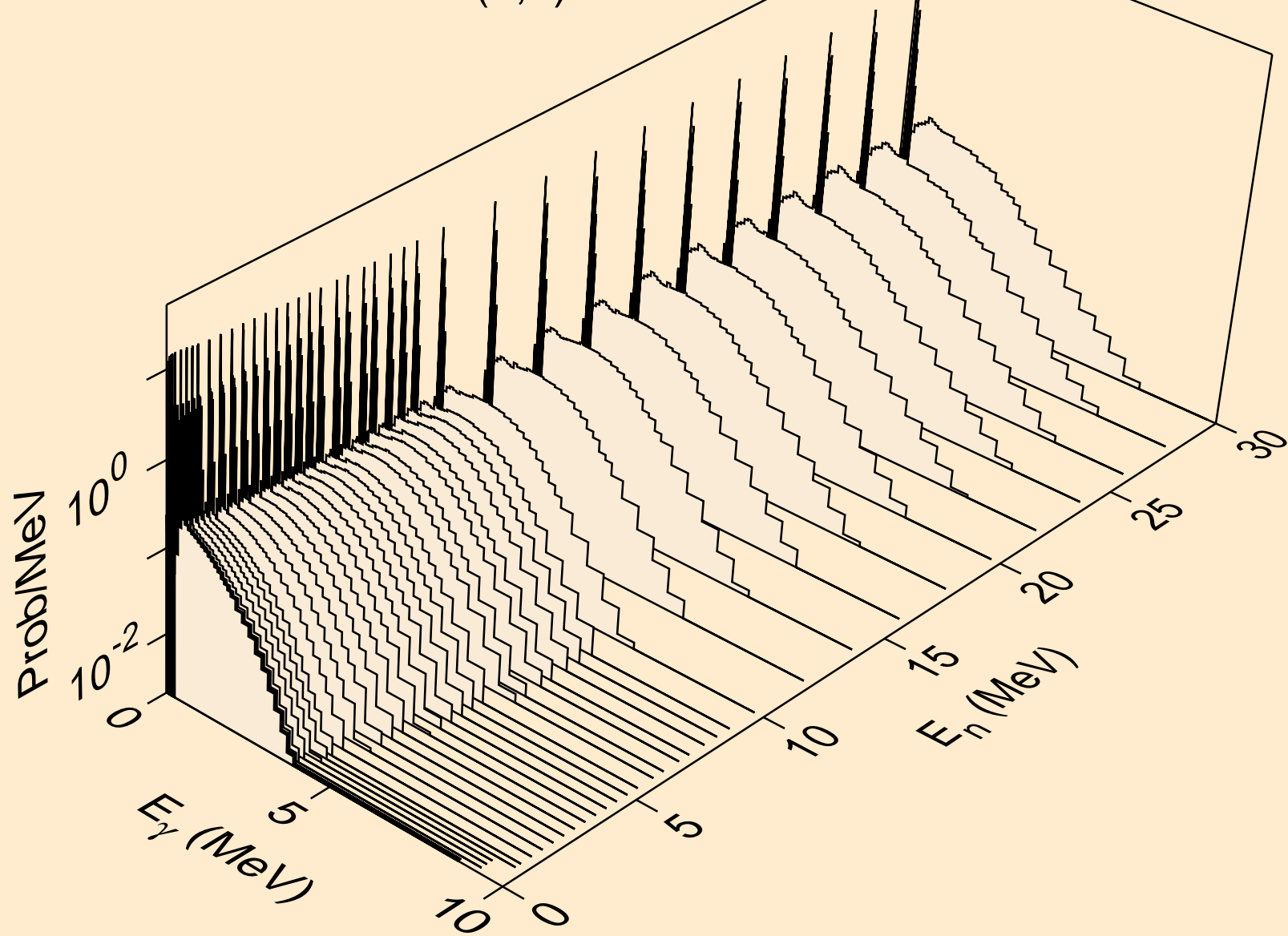
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



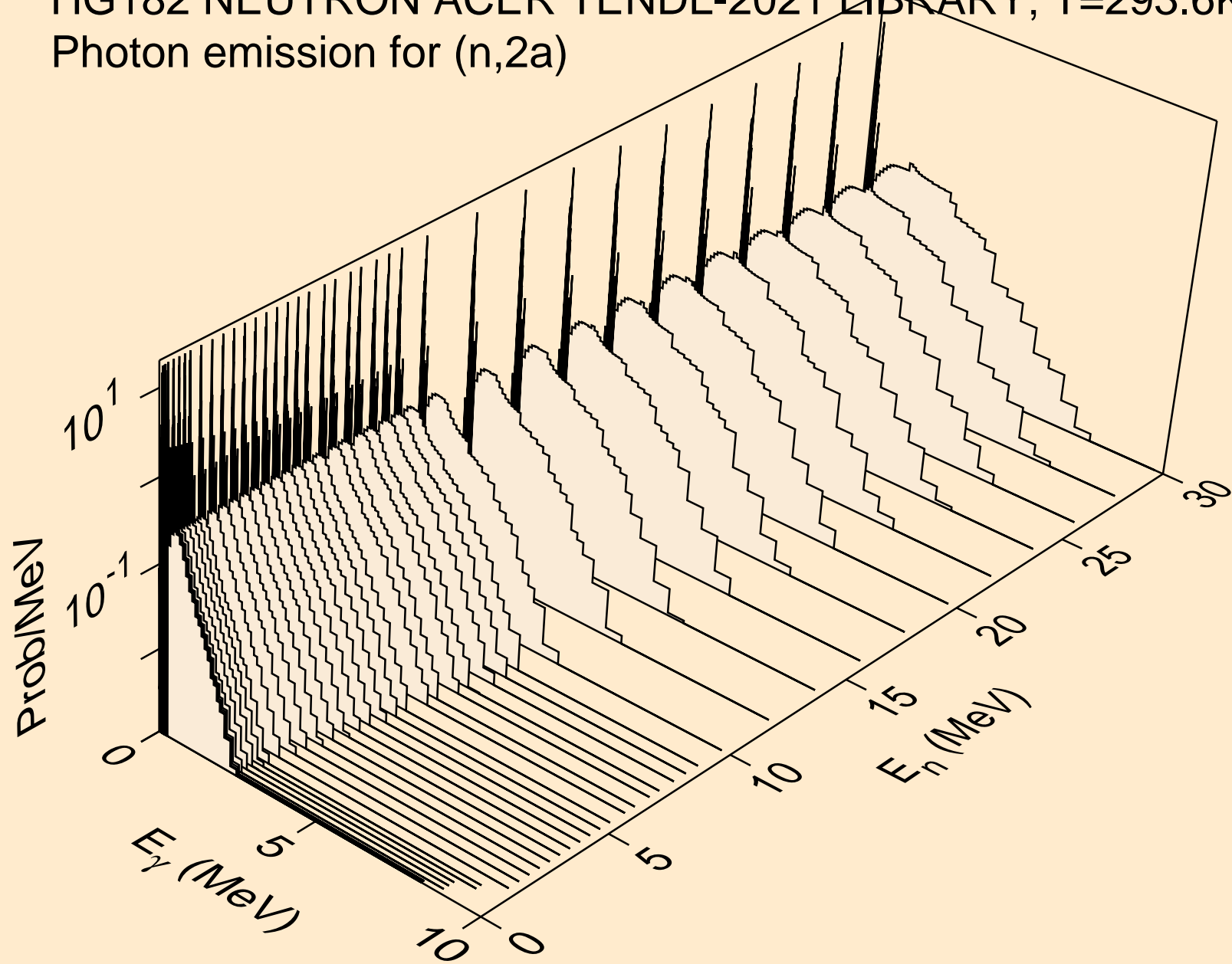
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



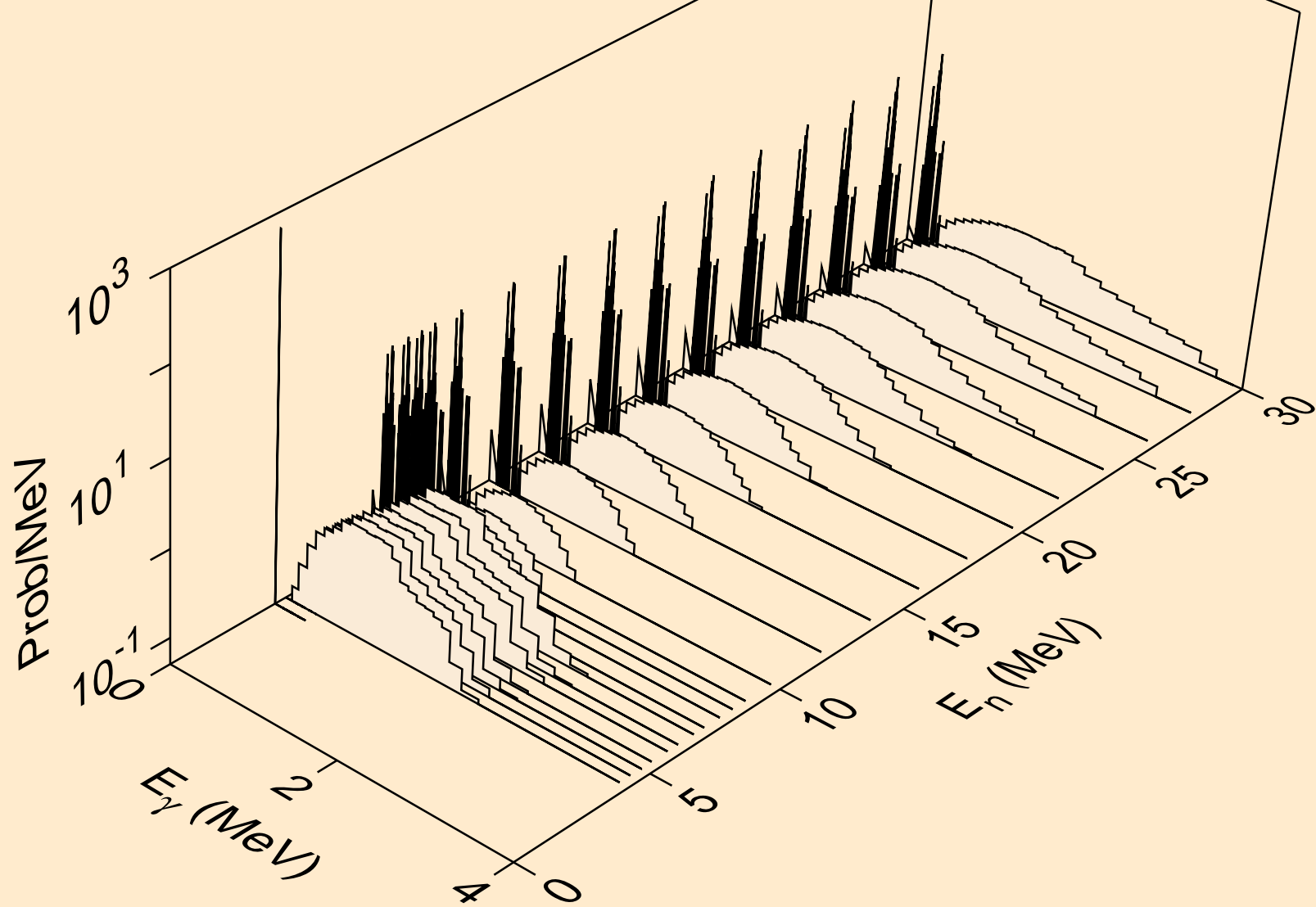
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Photon emission for (n,a)



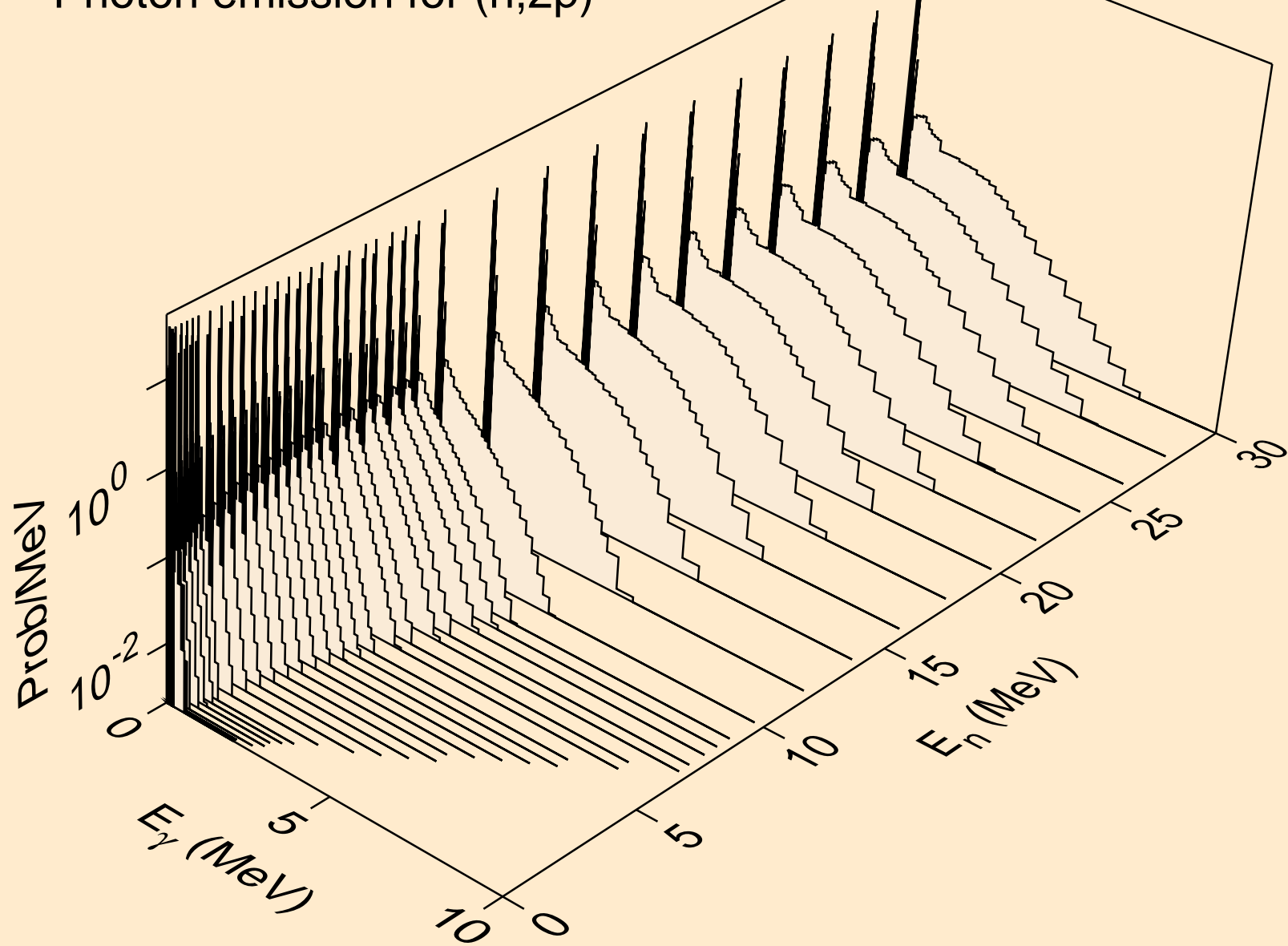
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



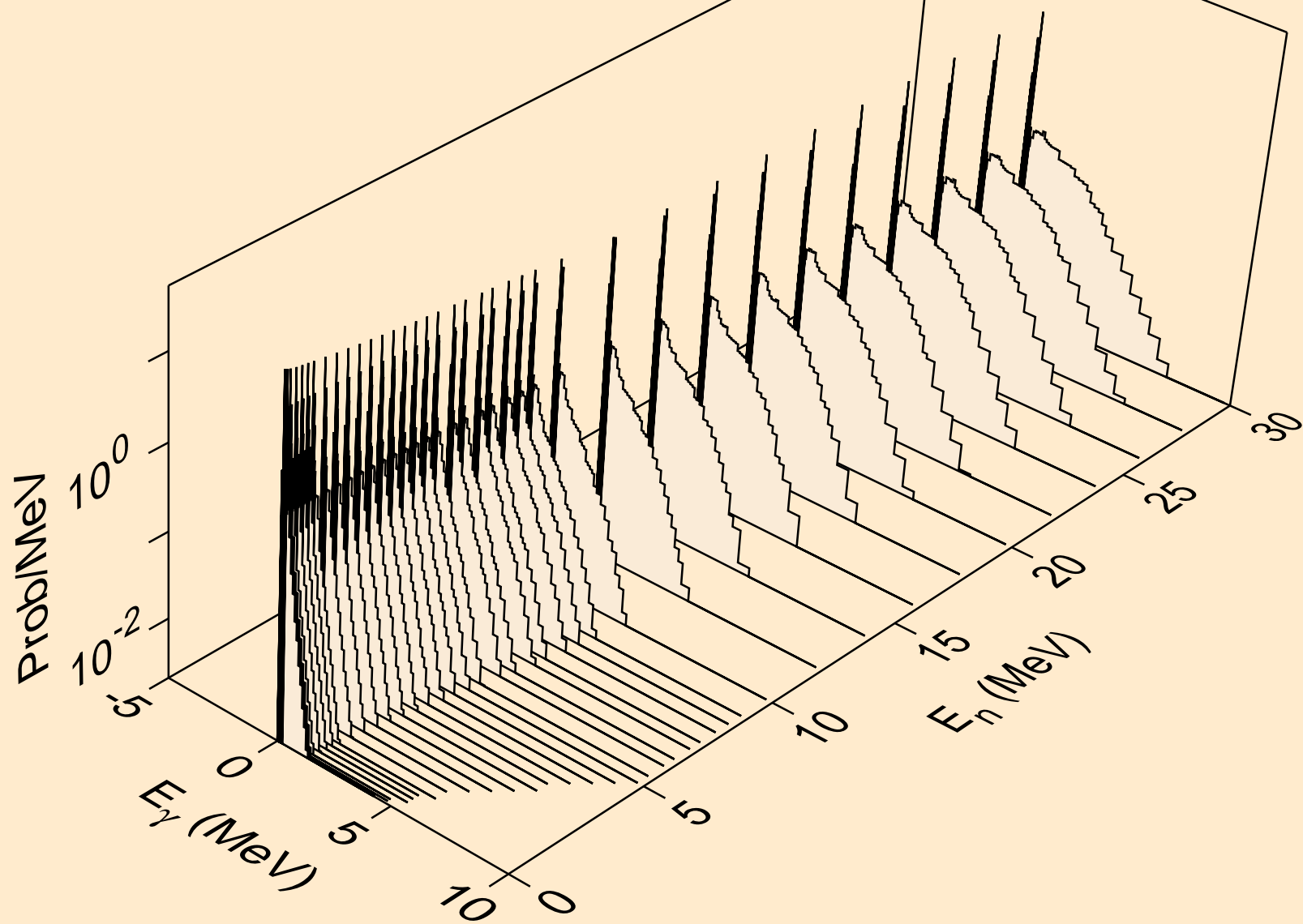
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Photon emission for (n,3a)



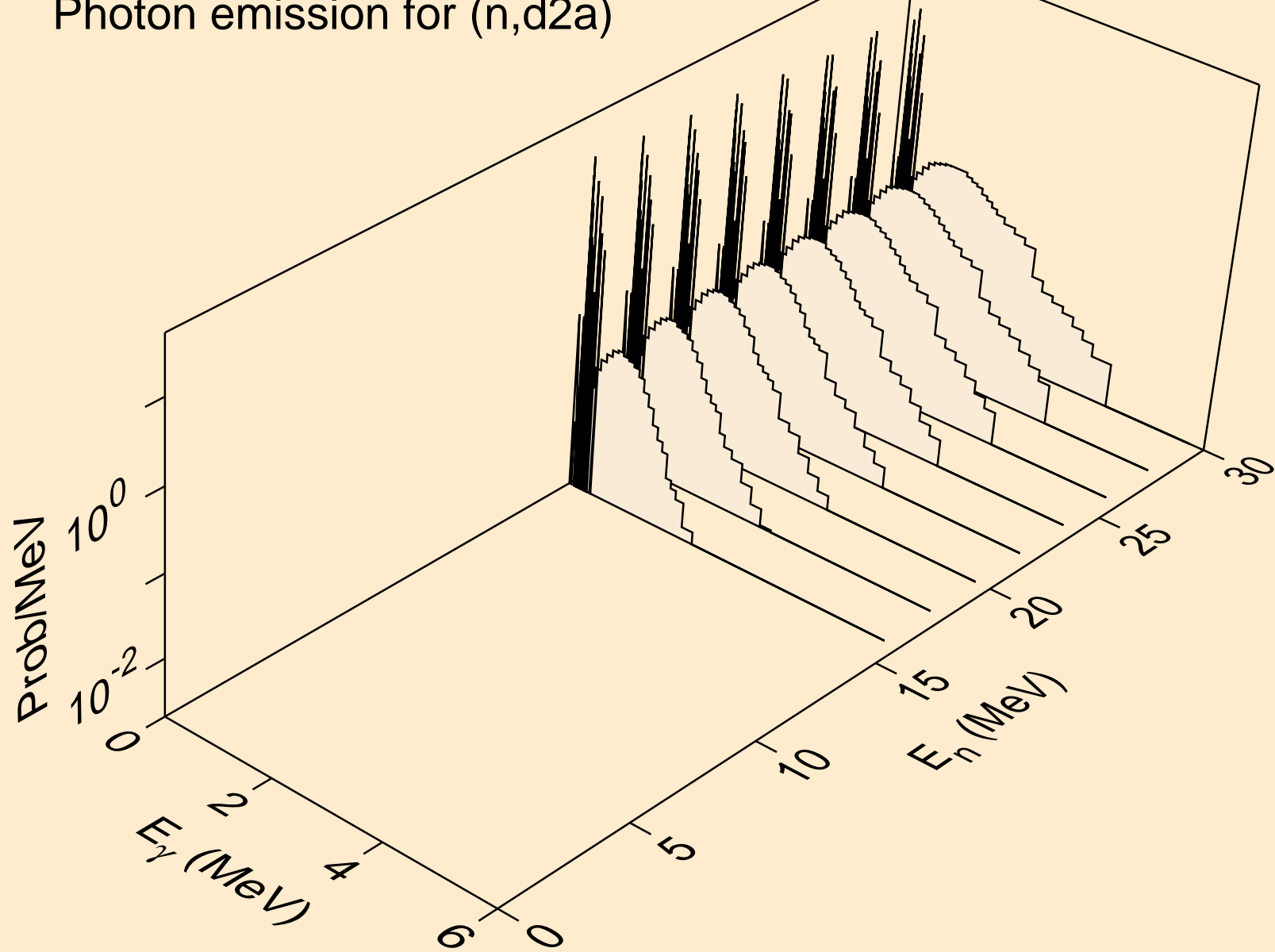
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

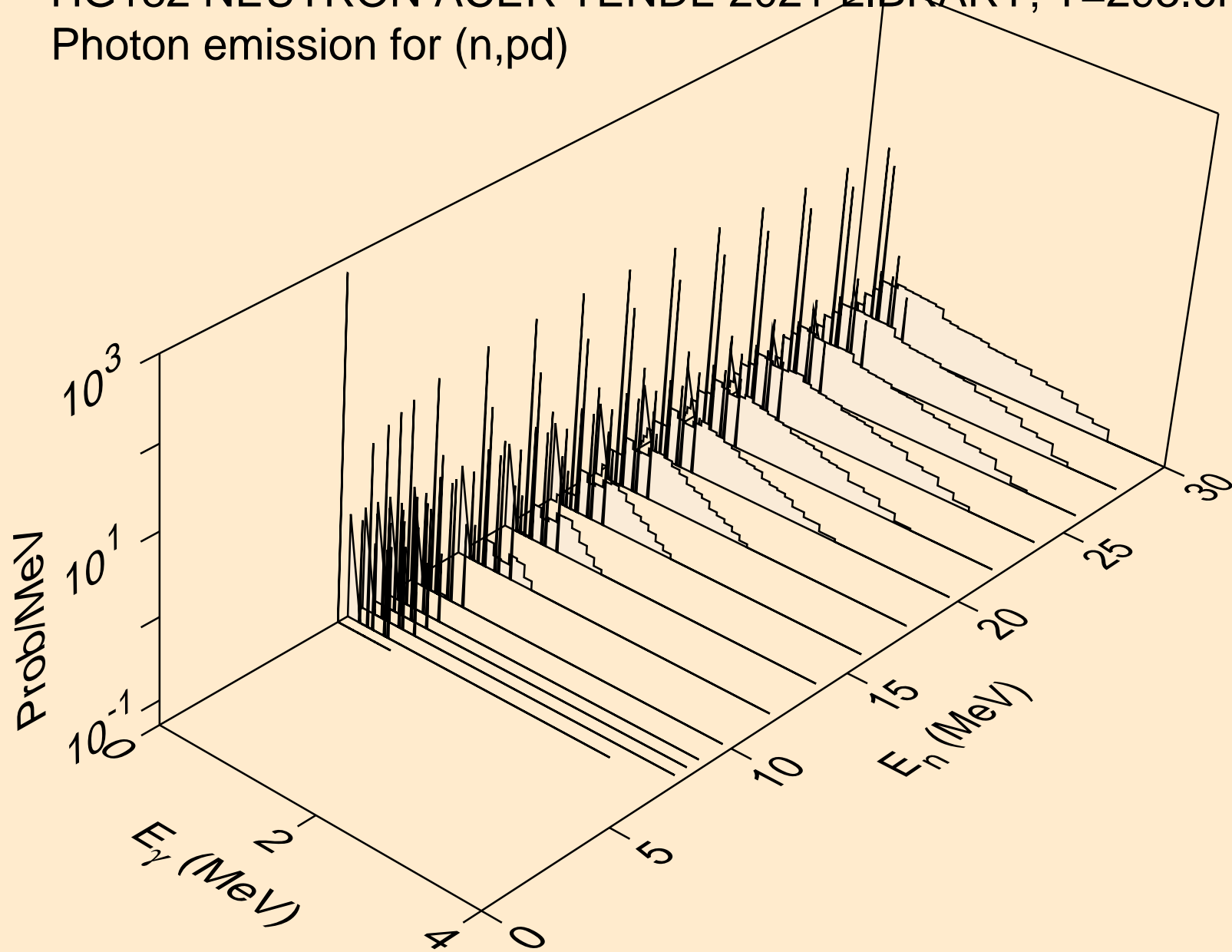


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)

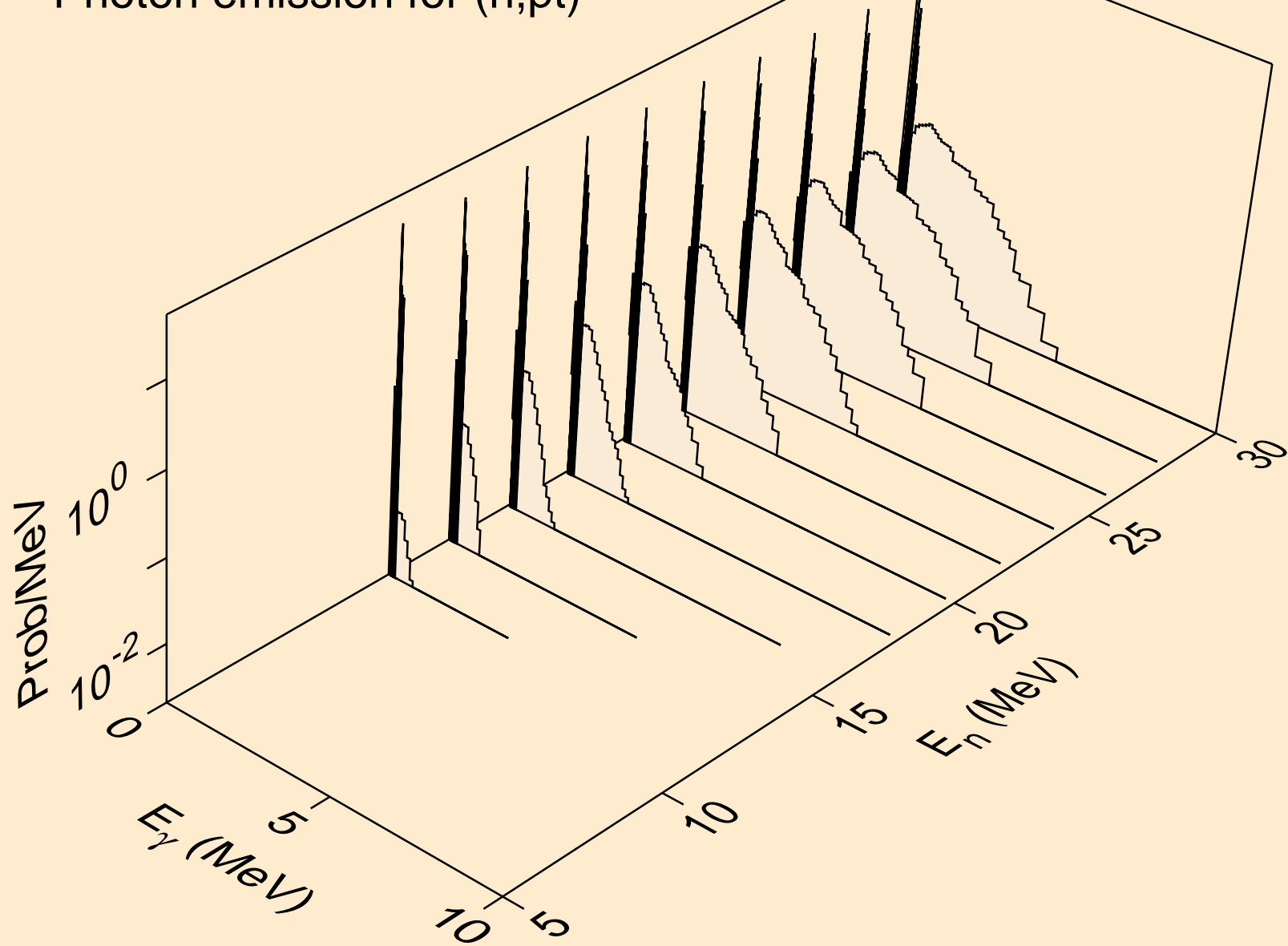




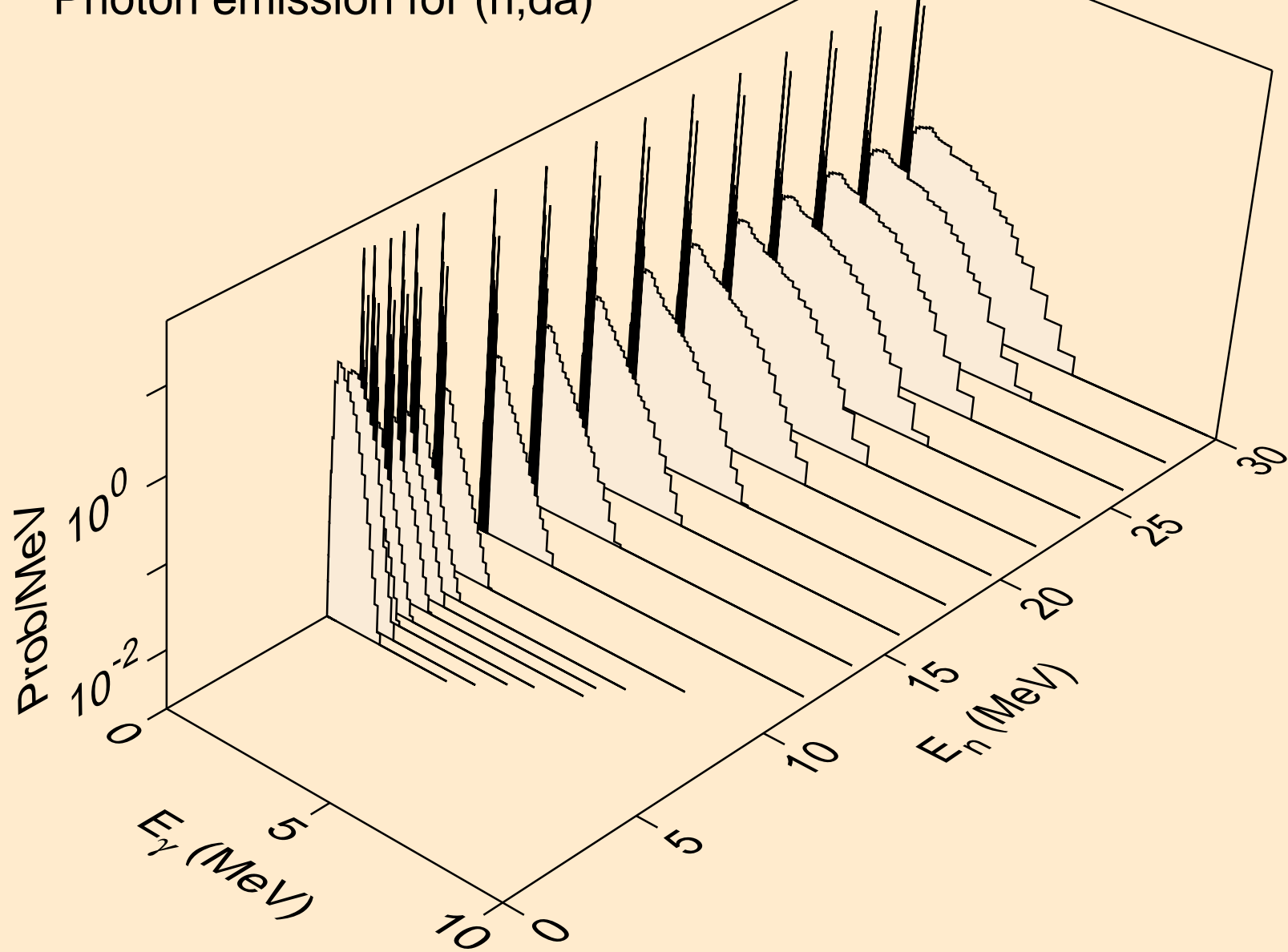
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



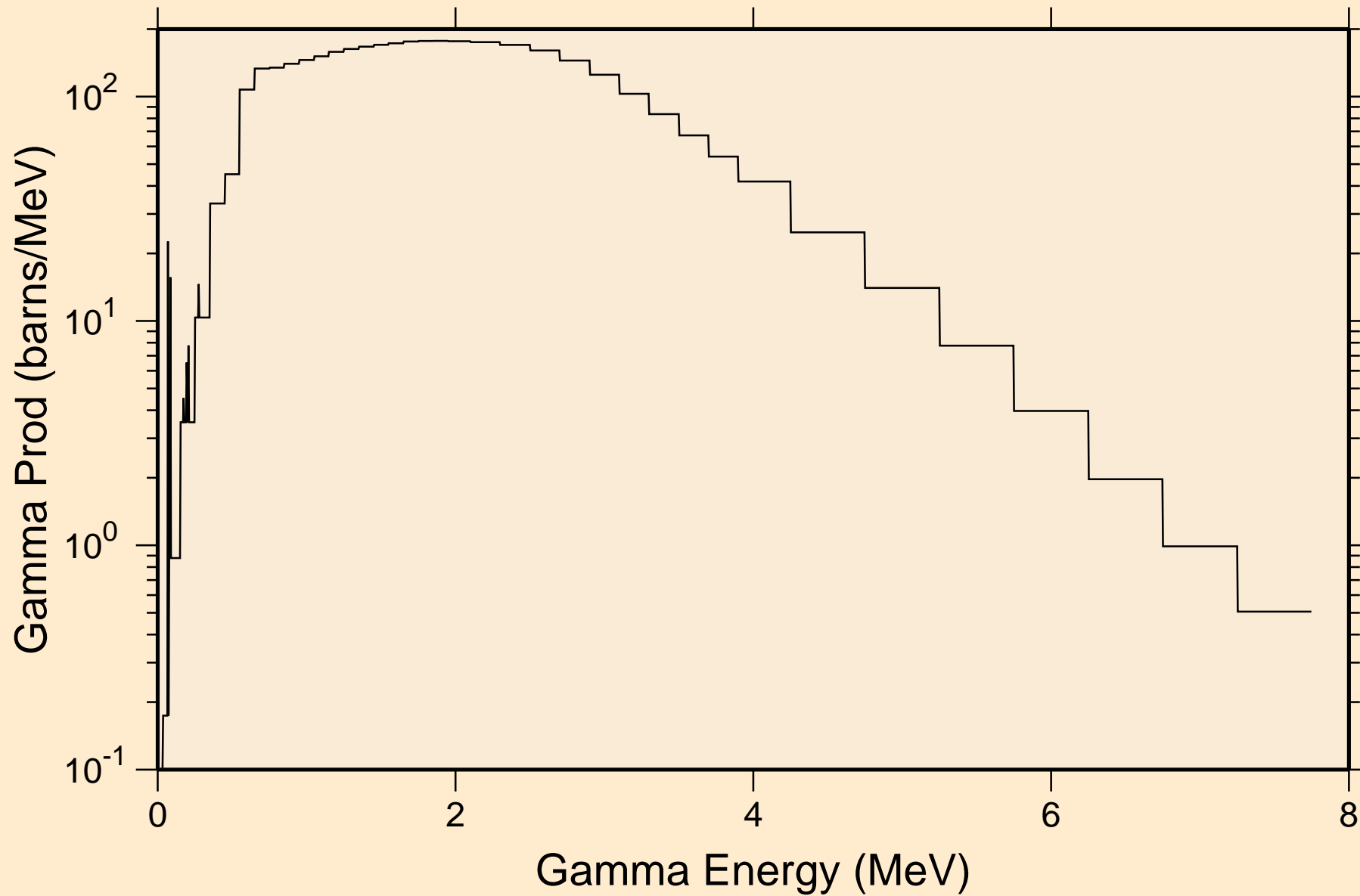
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



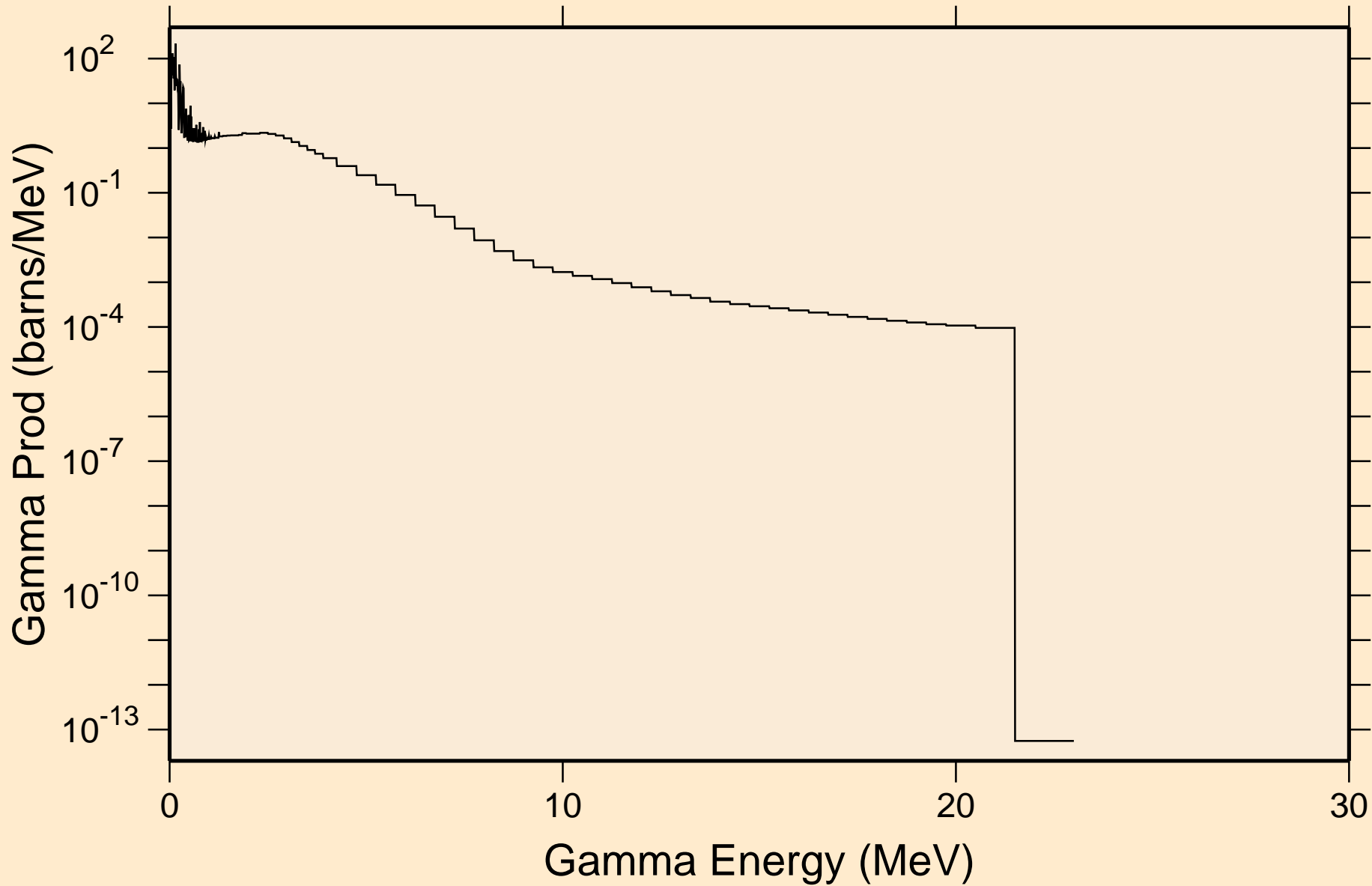
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

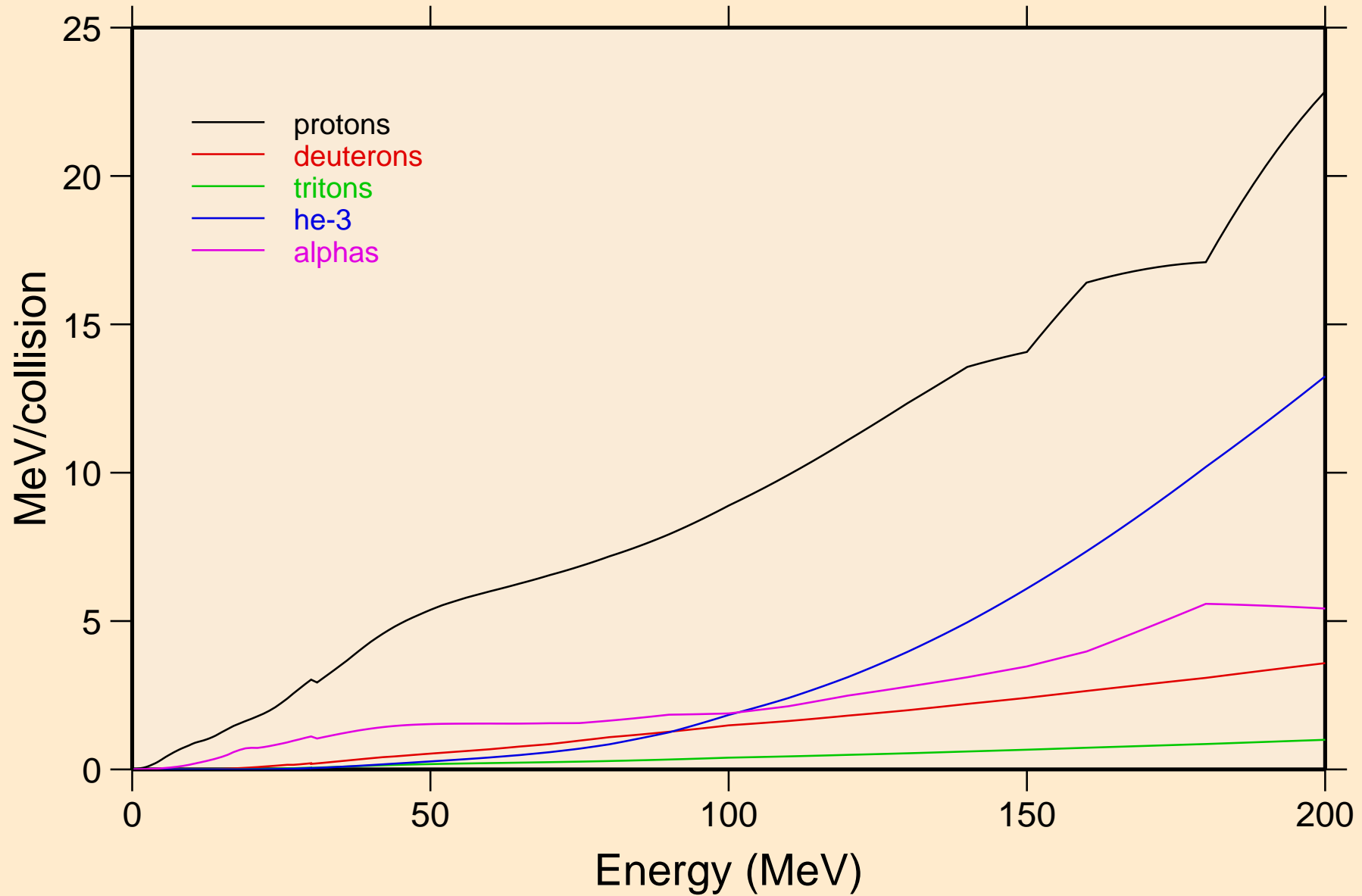


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

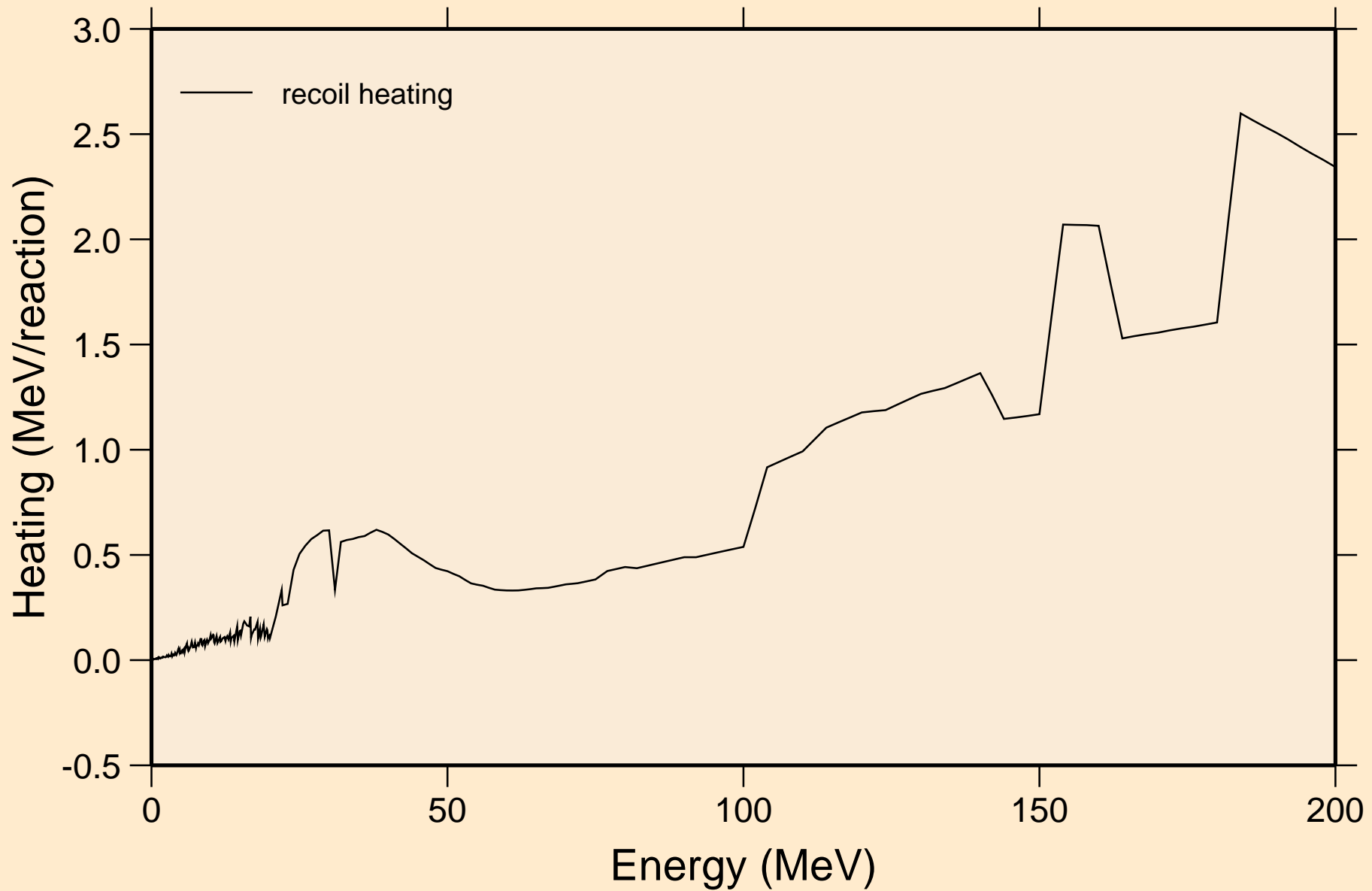


# HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

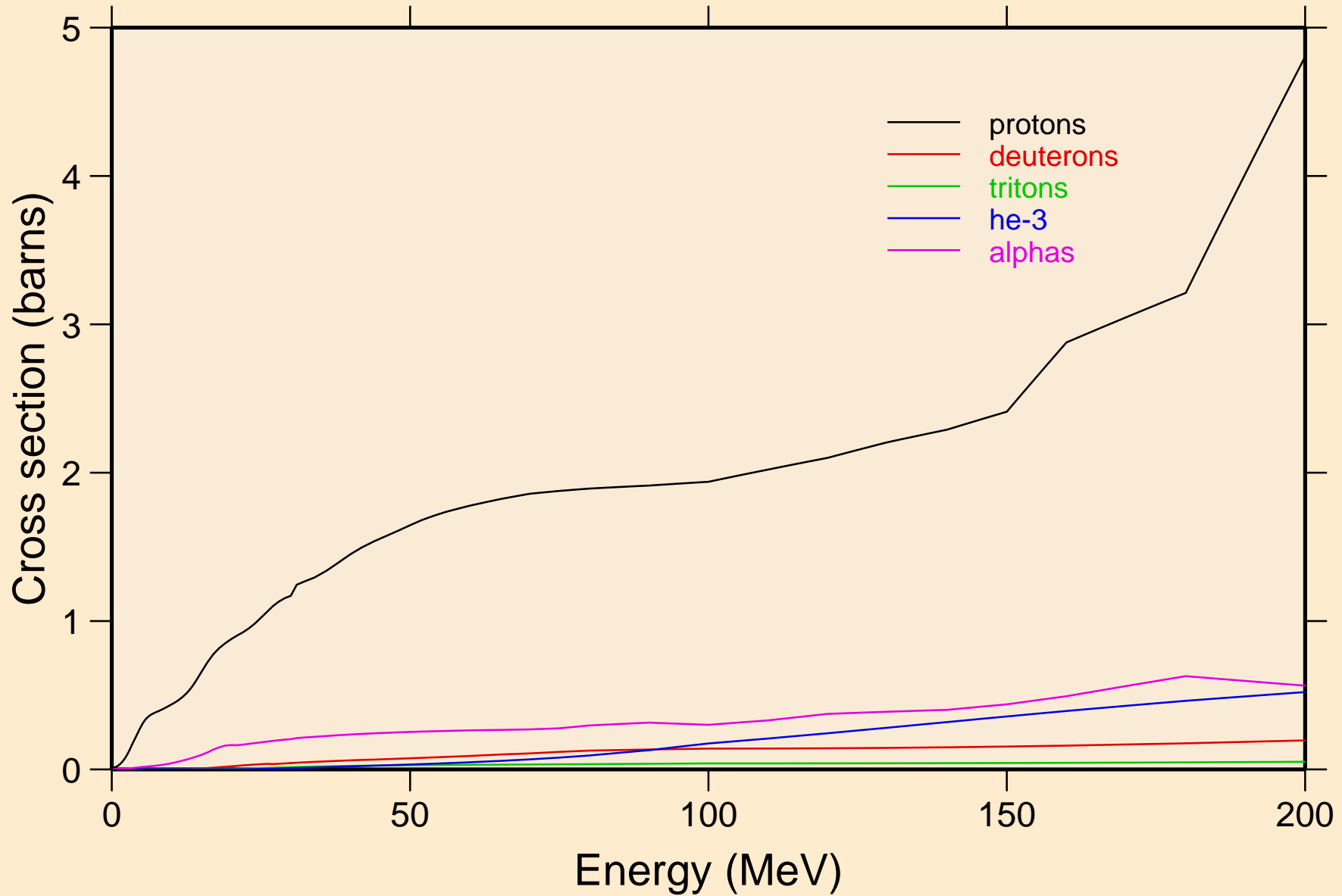
## Particle heating contributions



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

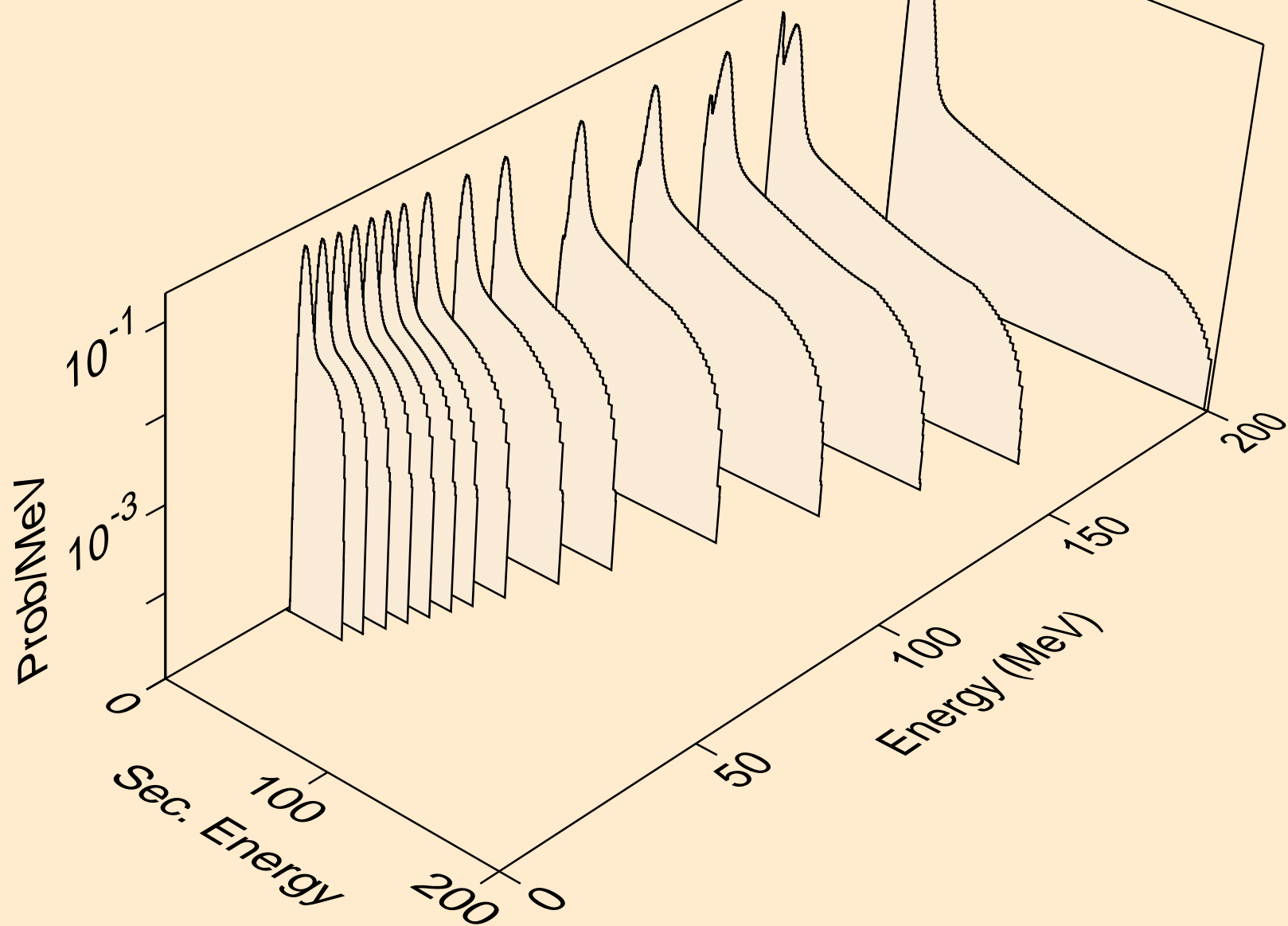


HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

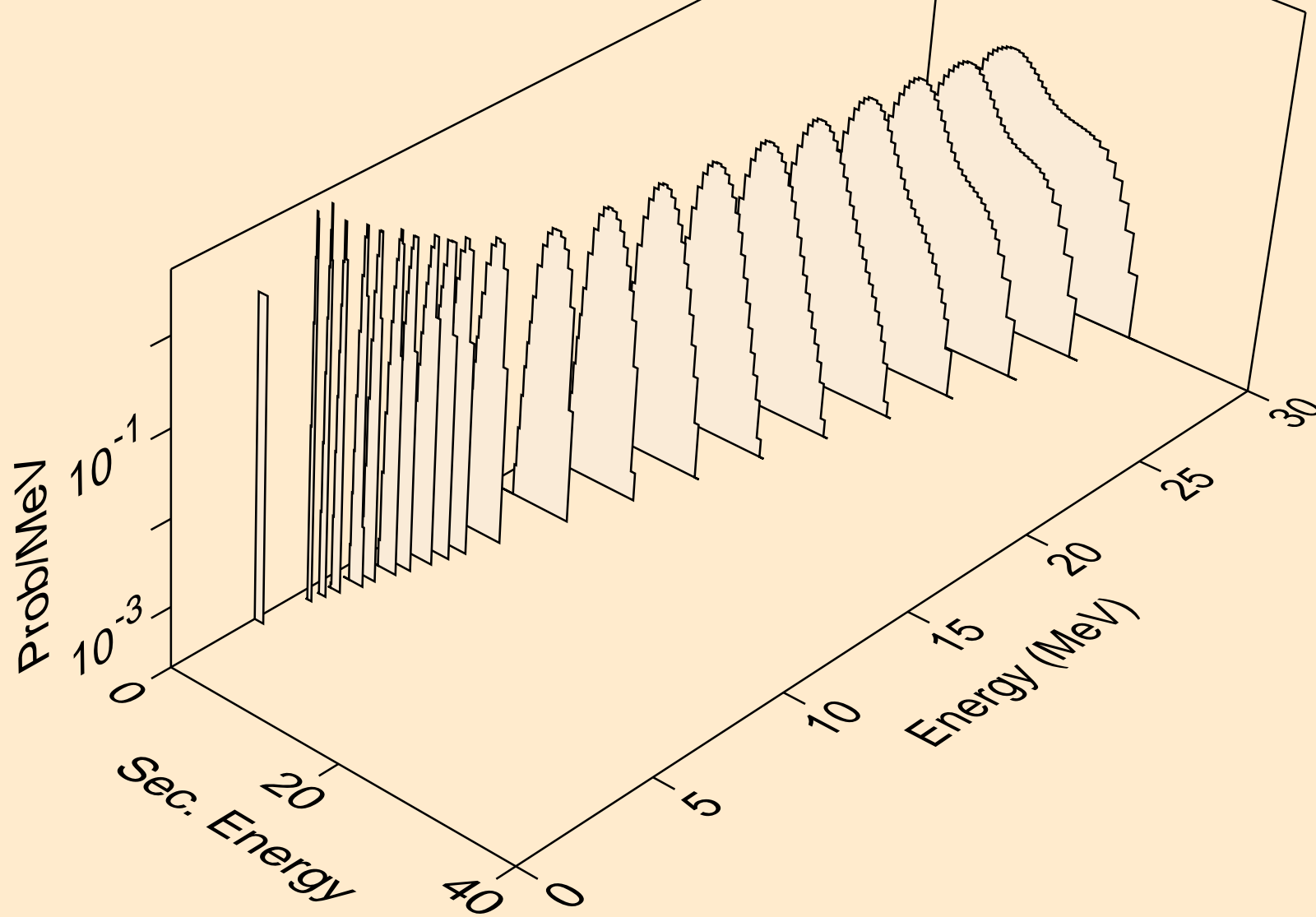




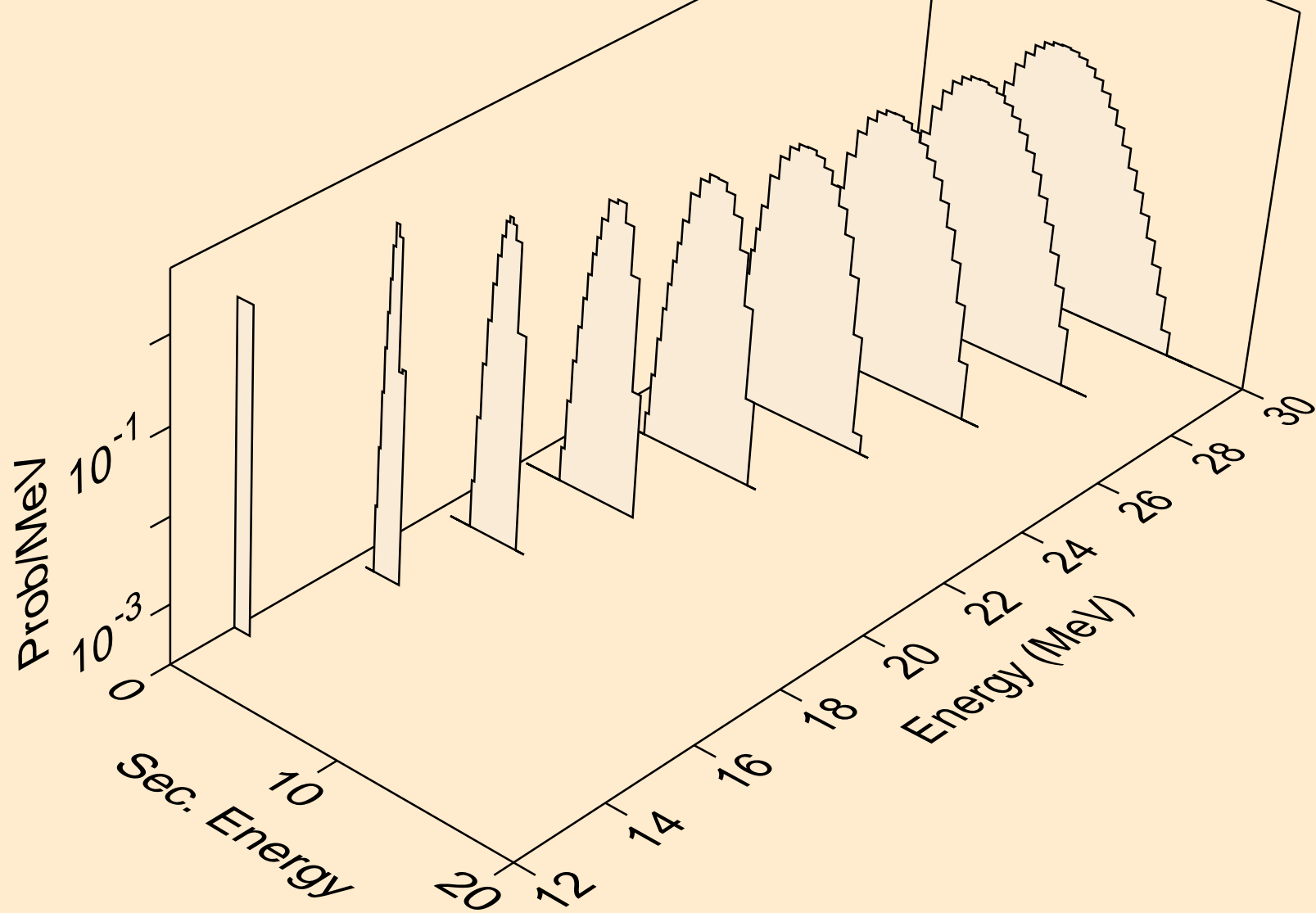
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



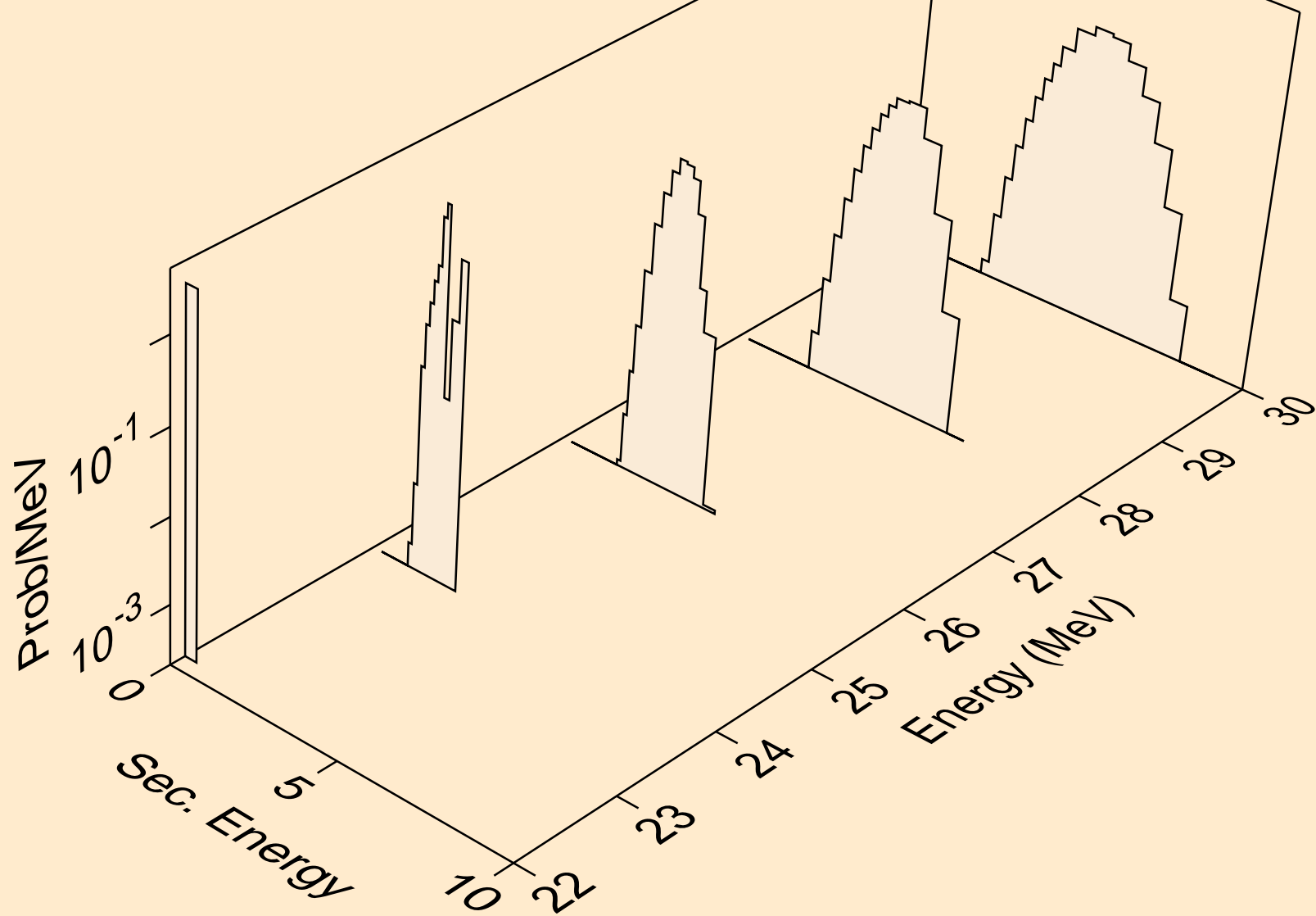
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protons from (n,n\*)p



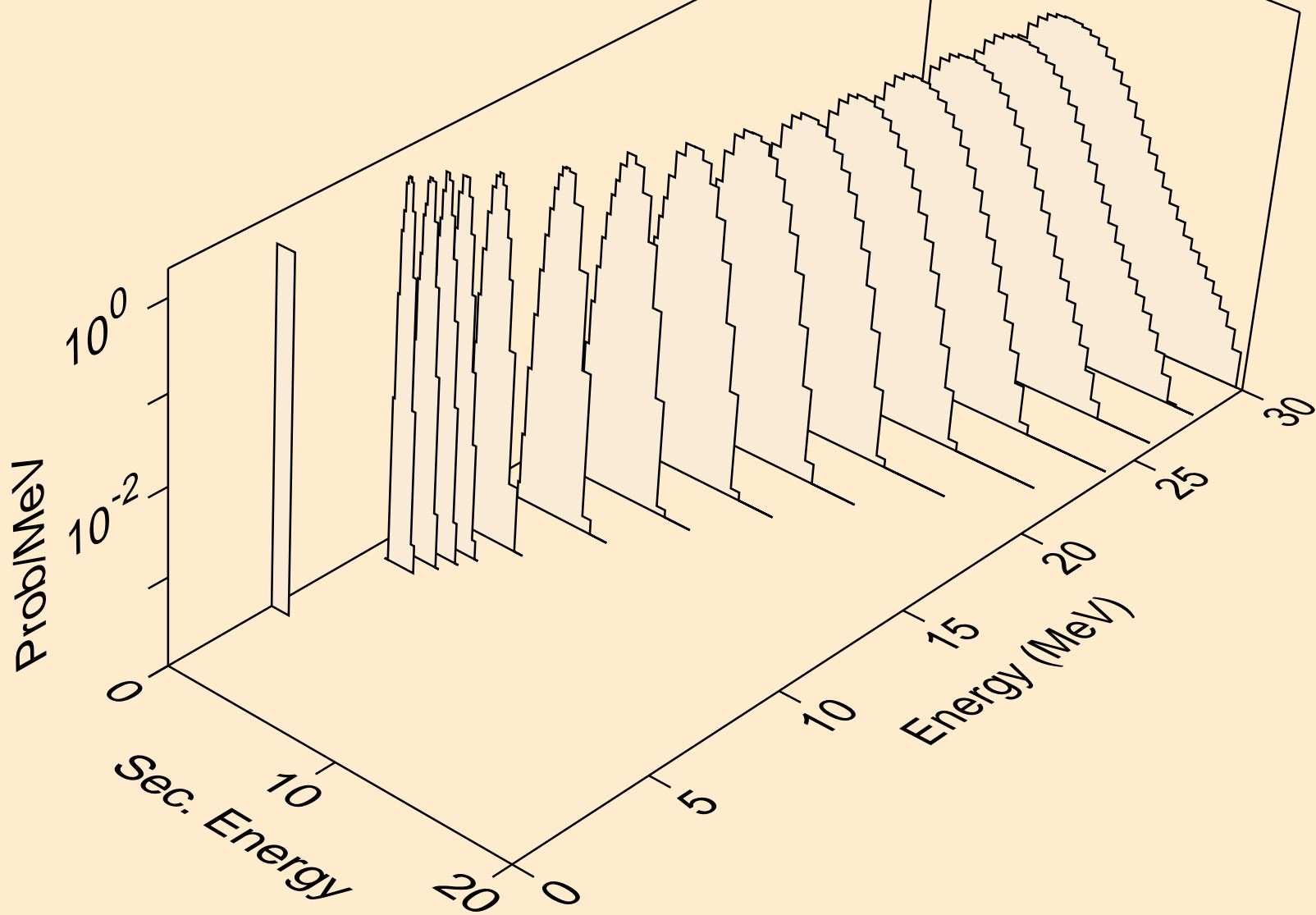
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protons from (n,2np)



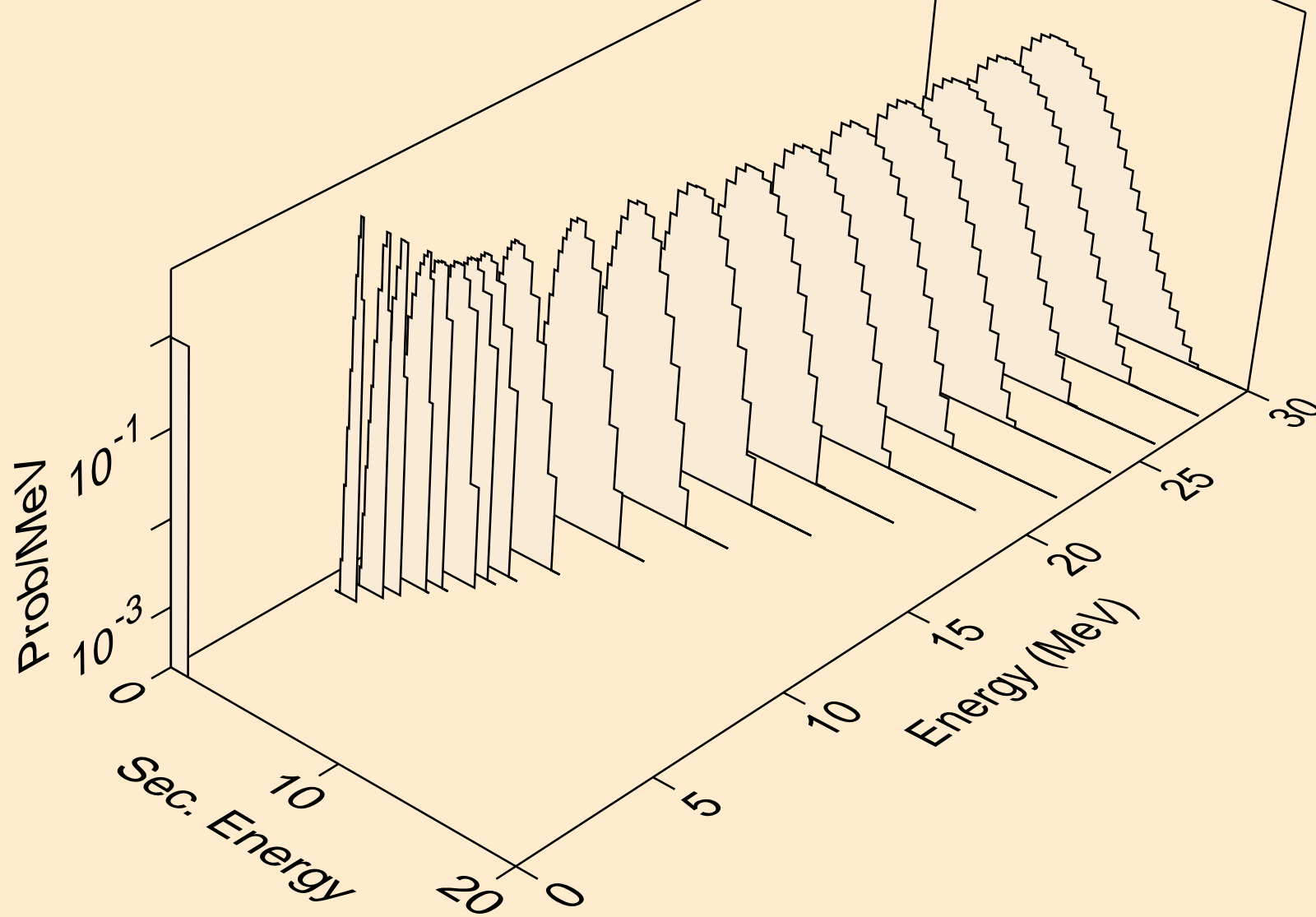
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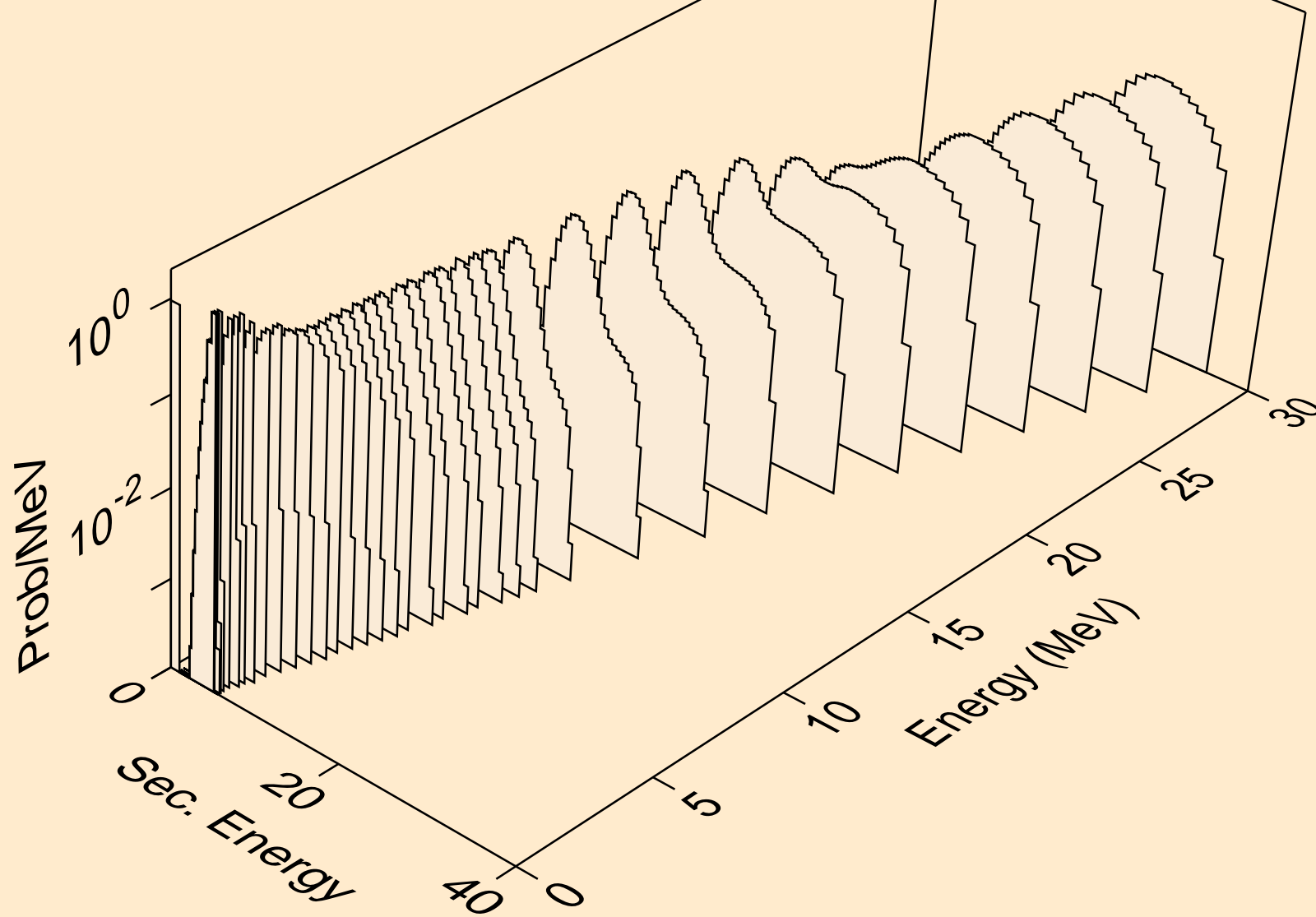
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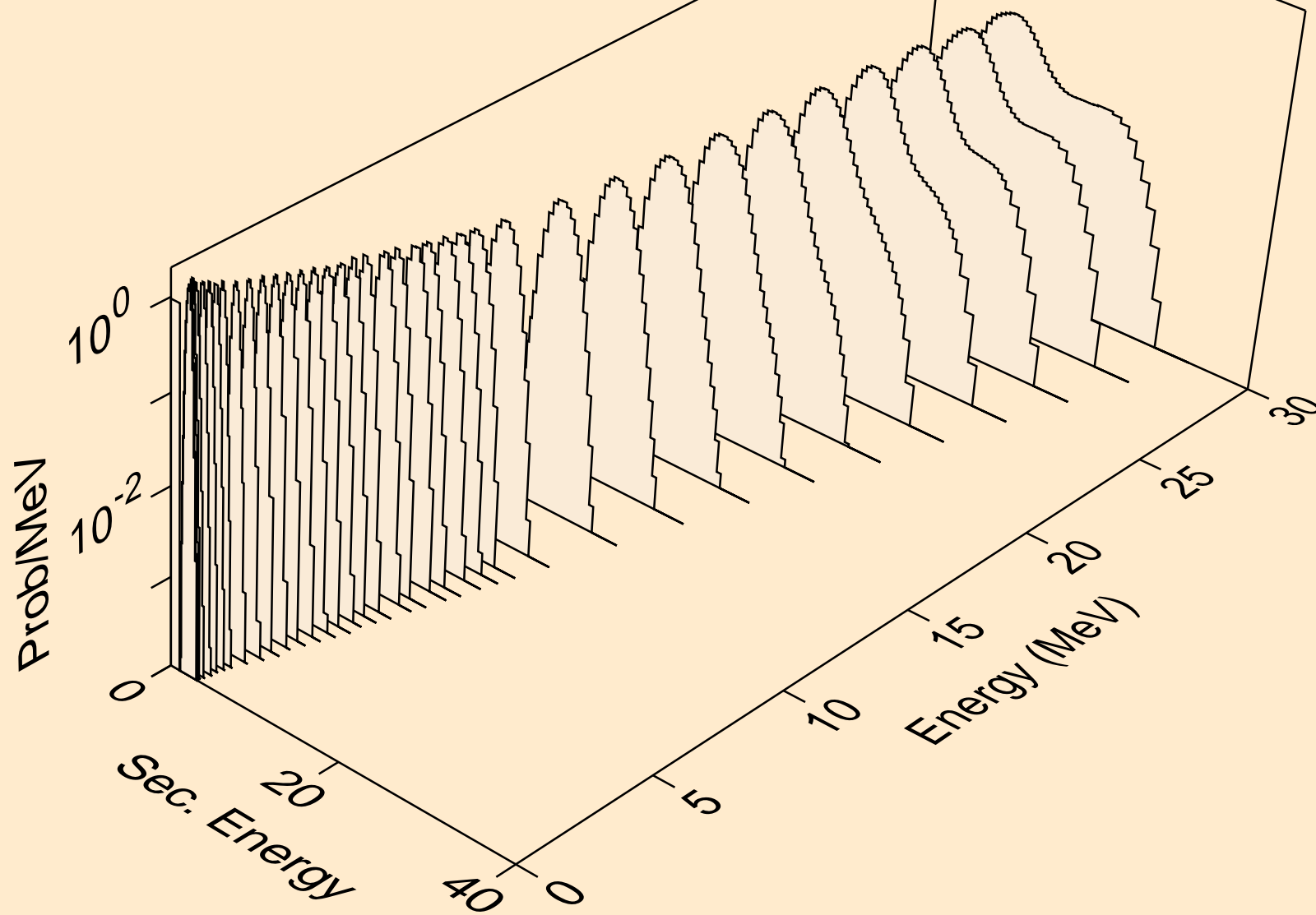
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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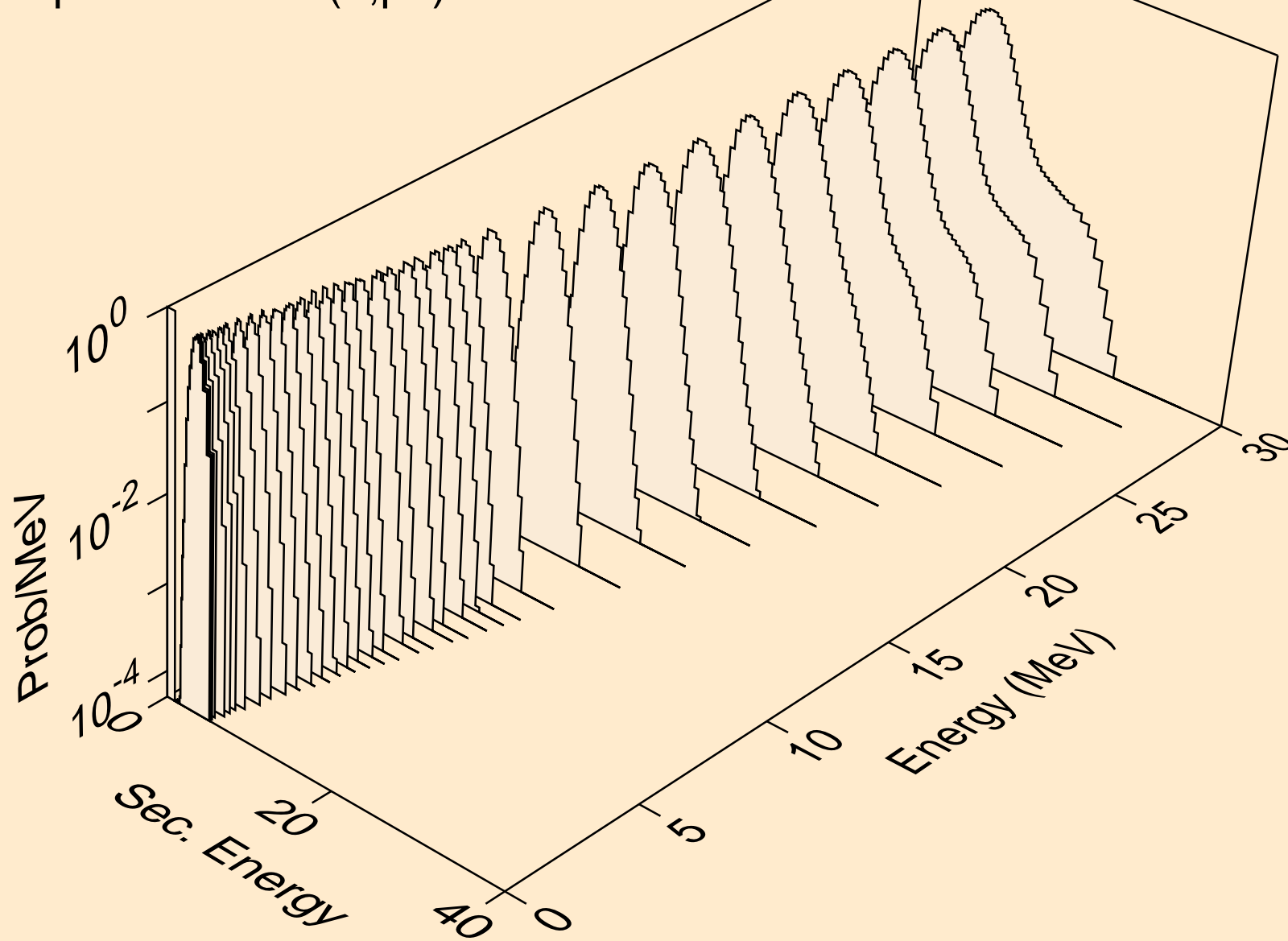


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protons from (n,2p)

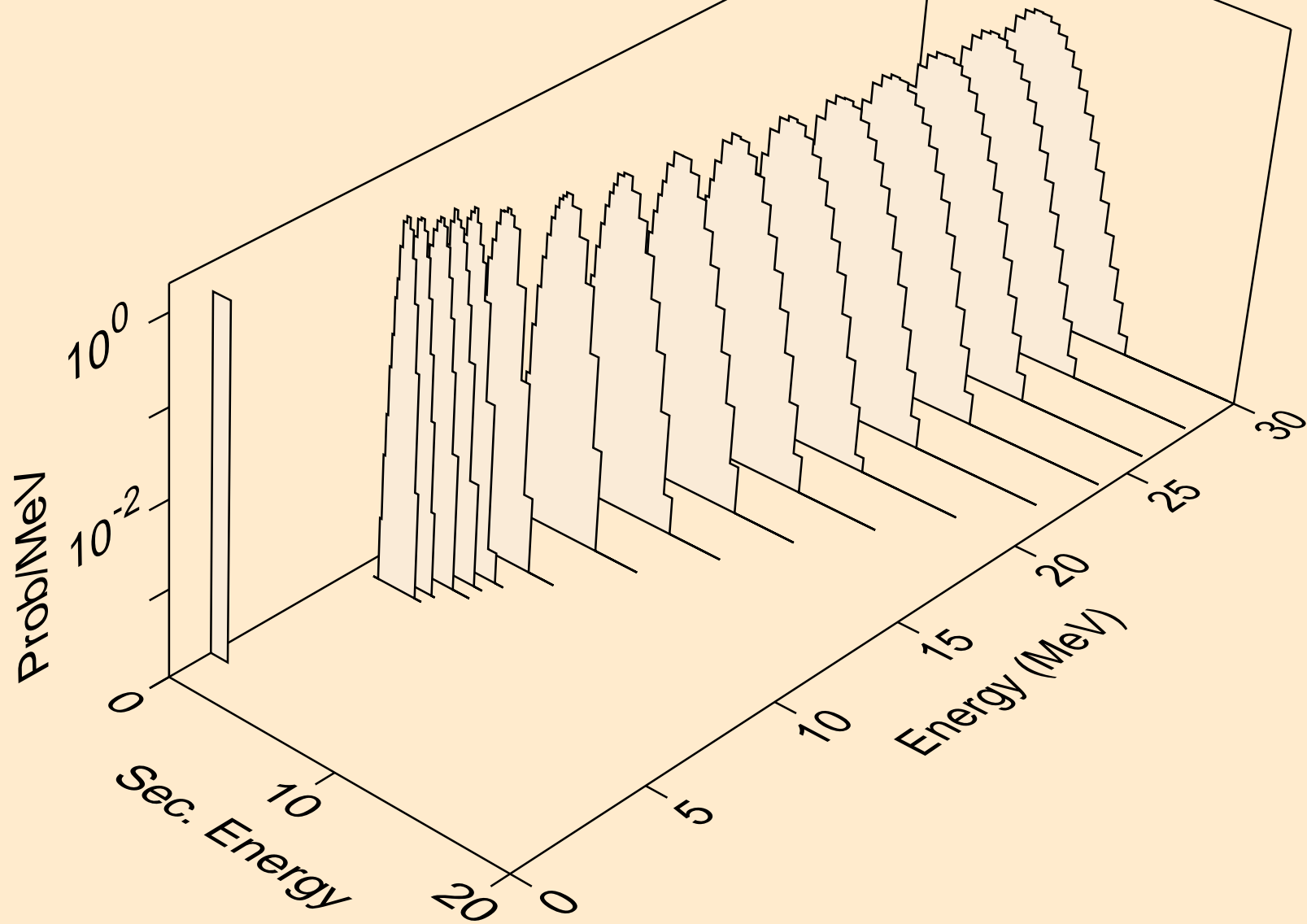




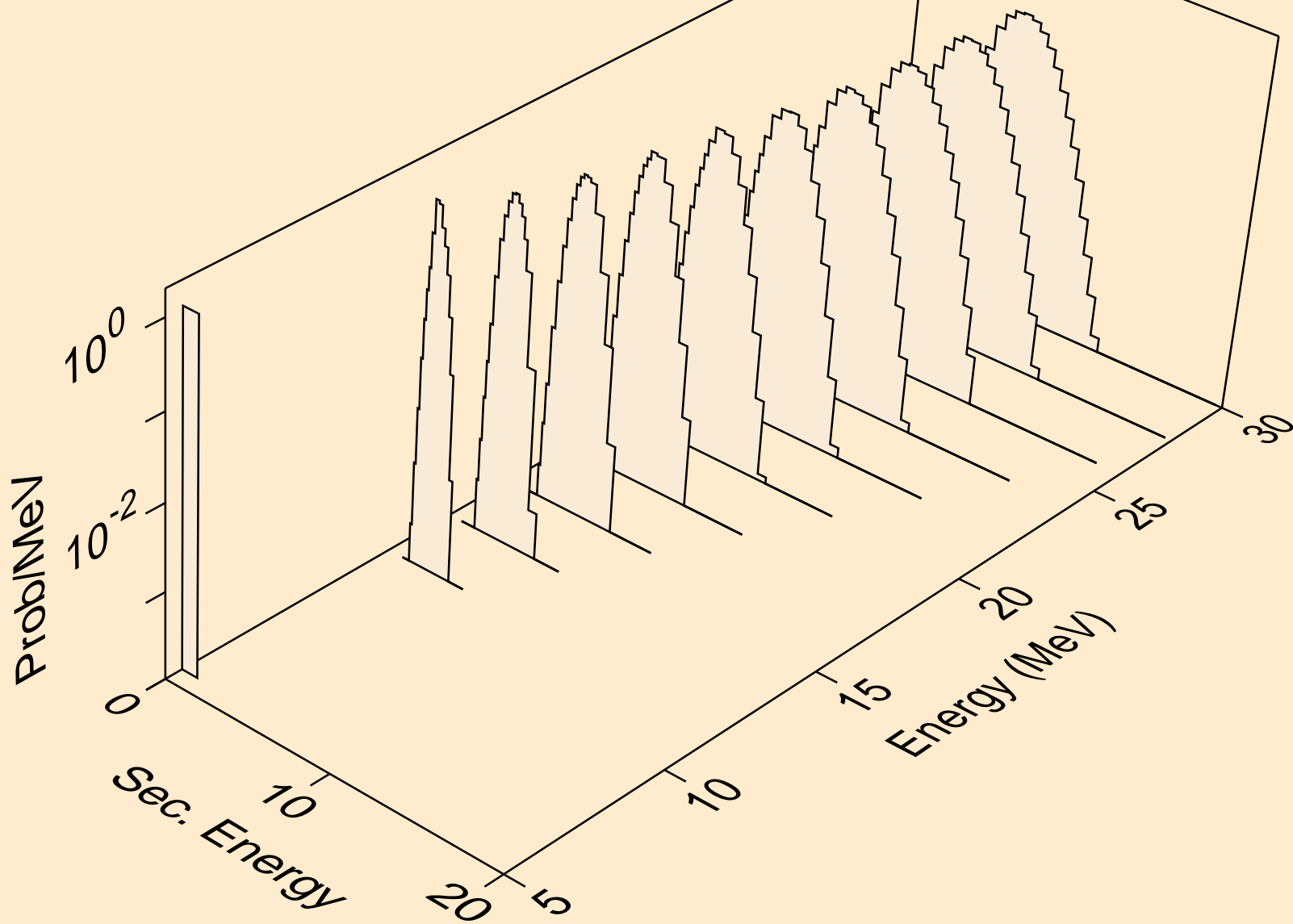
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protons from (n,p)



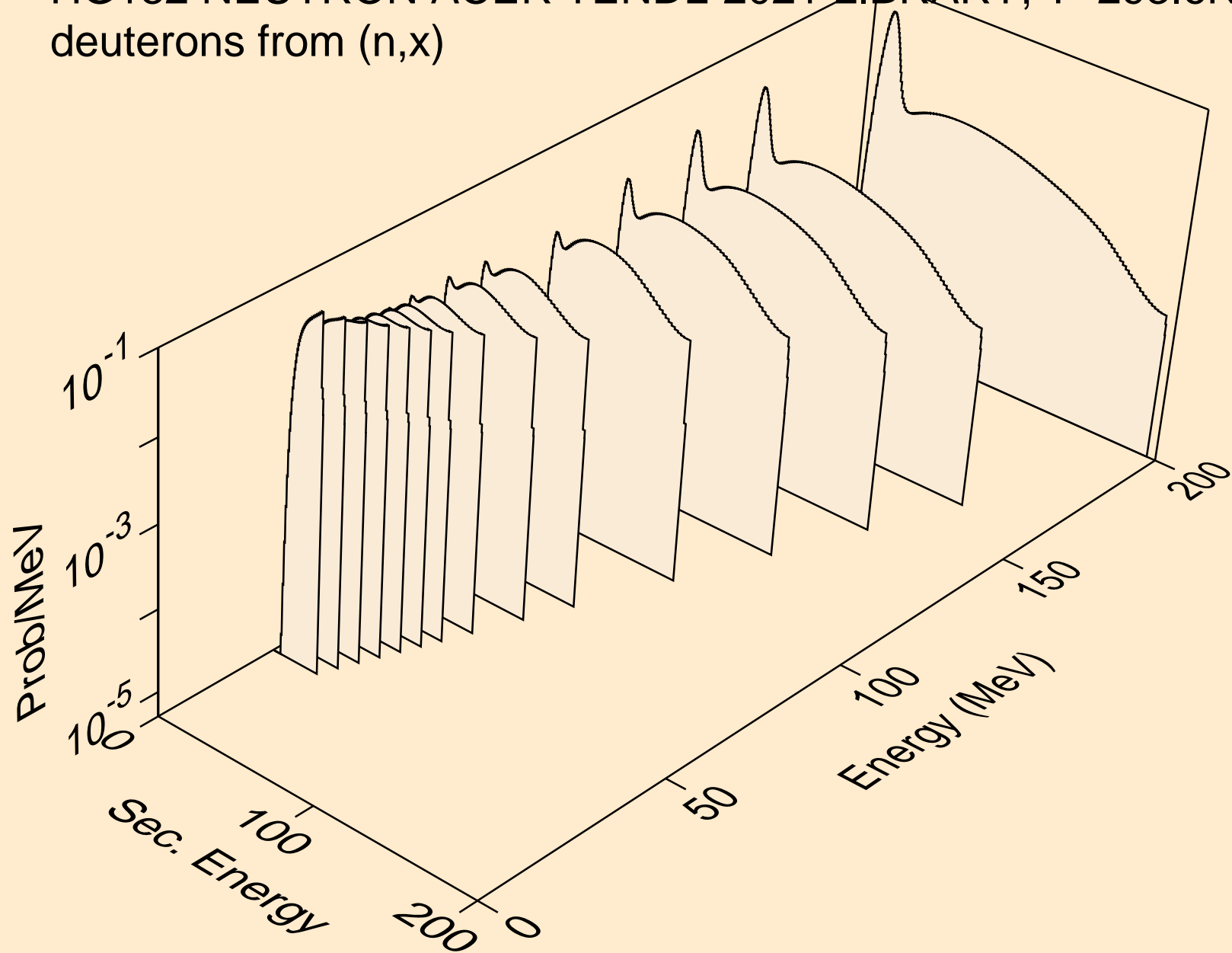
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protons from (n,pd)



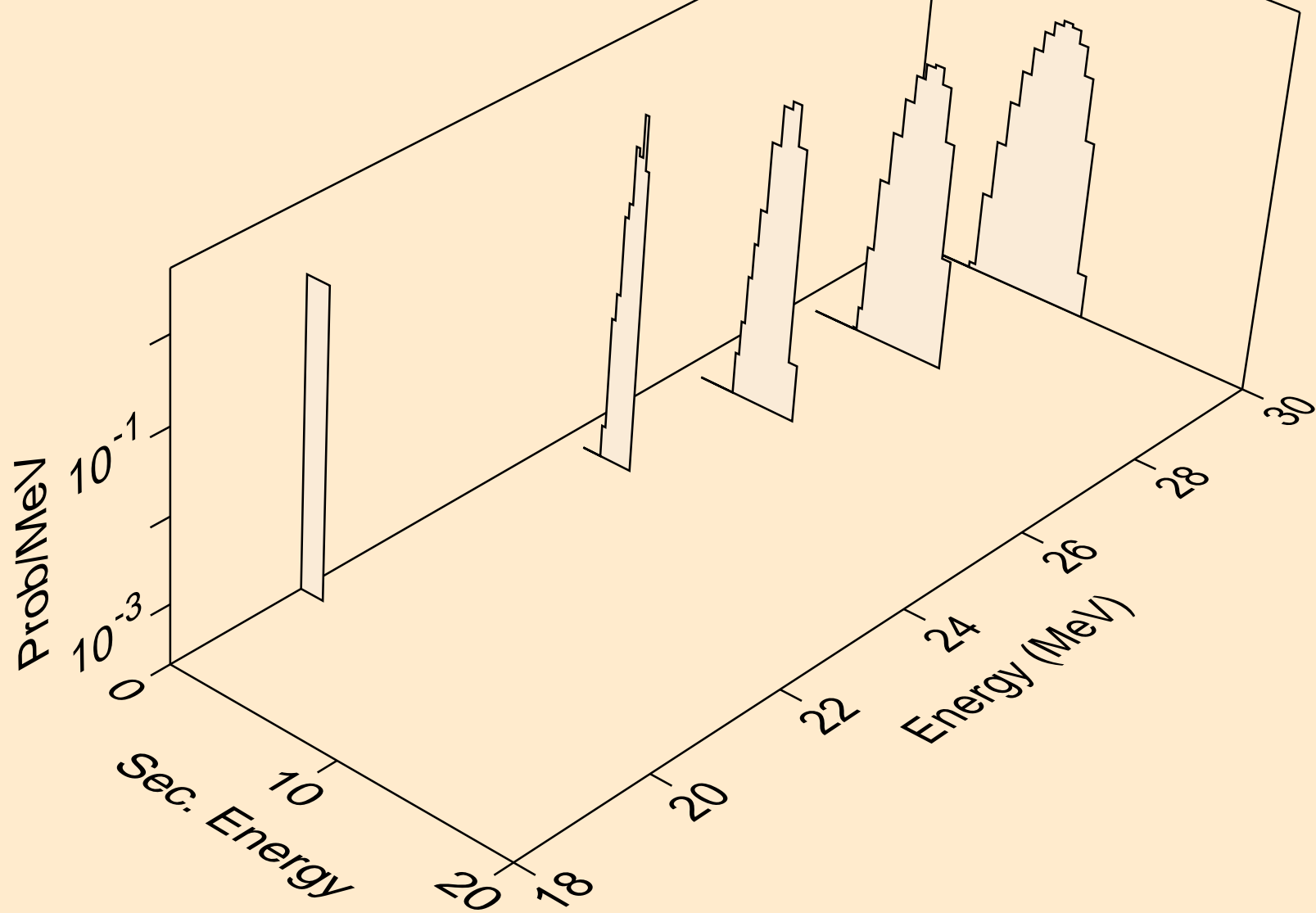
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protons from (n,pt)



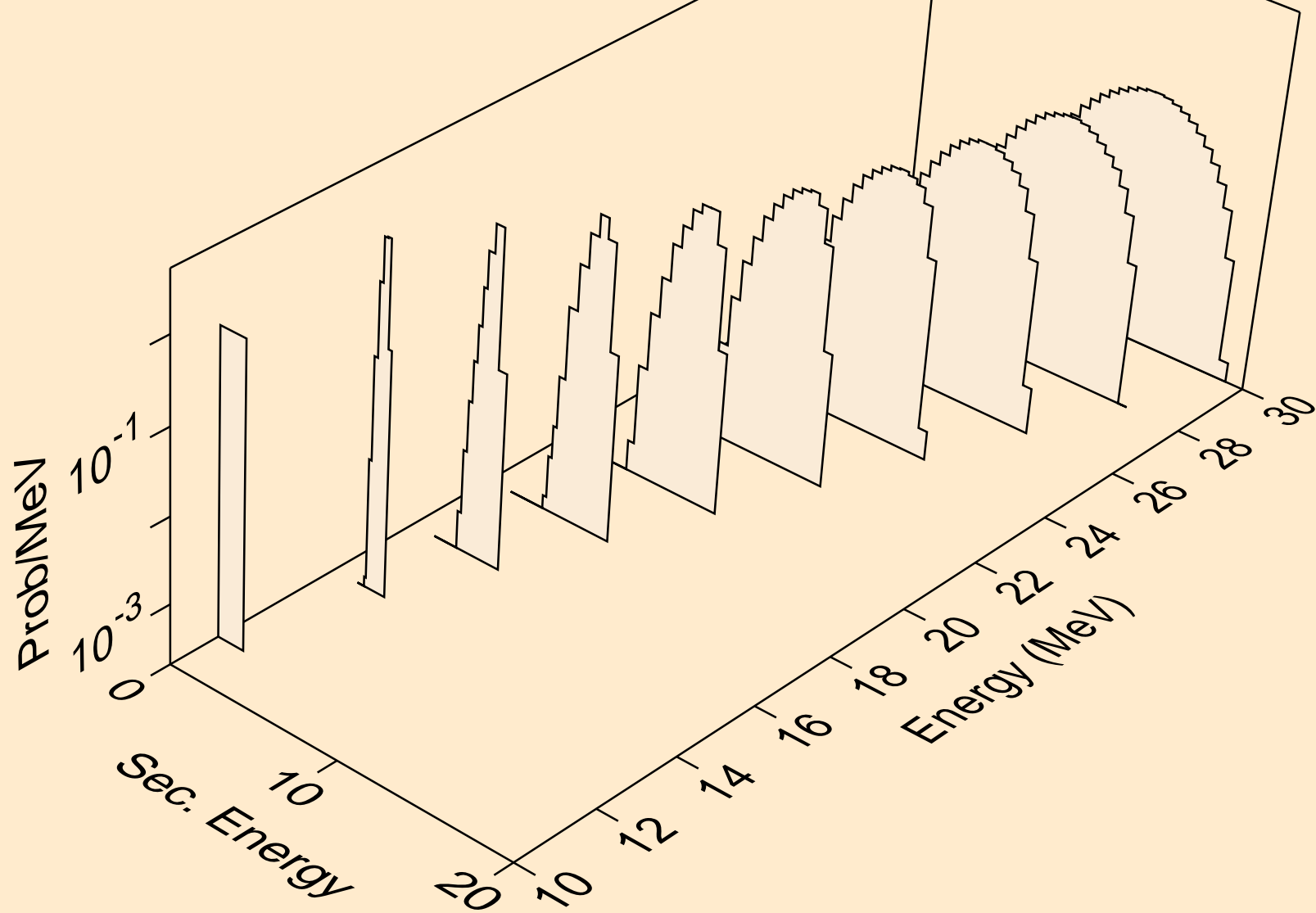
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deuterons from (n,x)



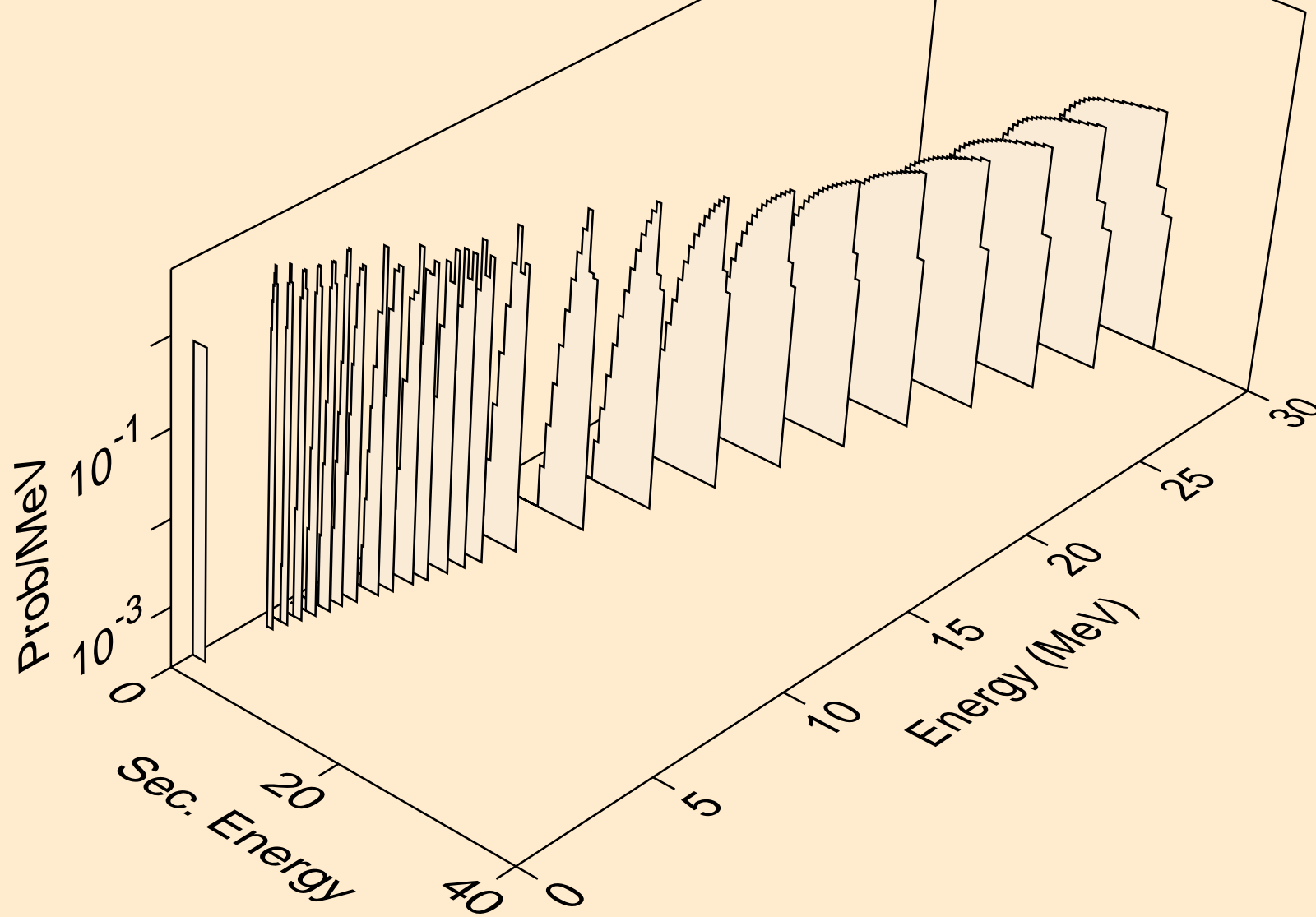
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deuterons from (n,2nd)



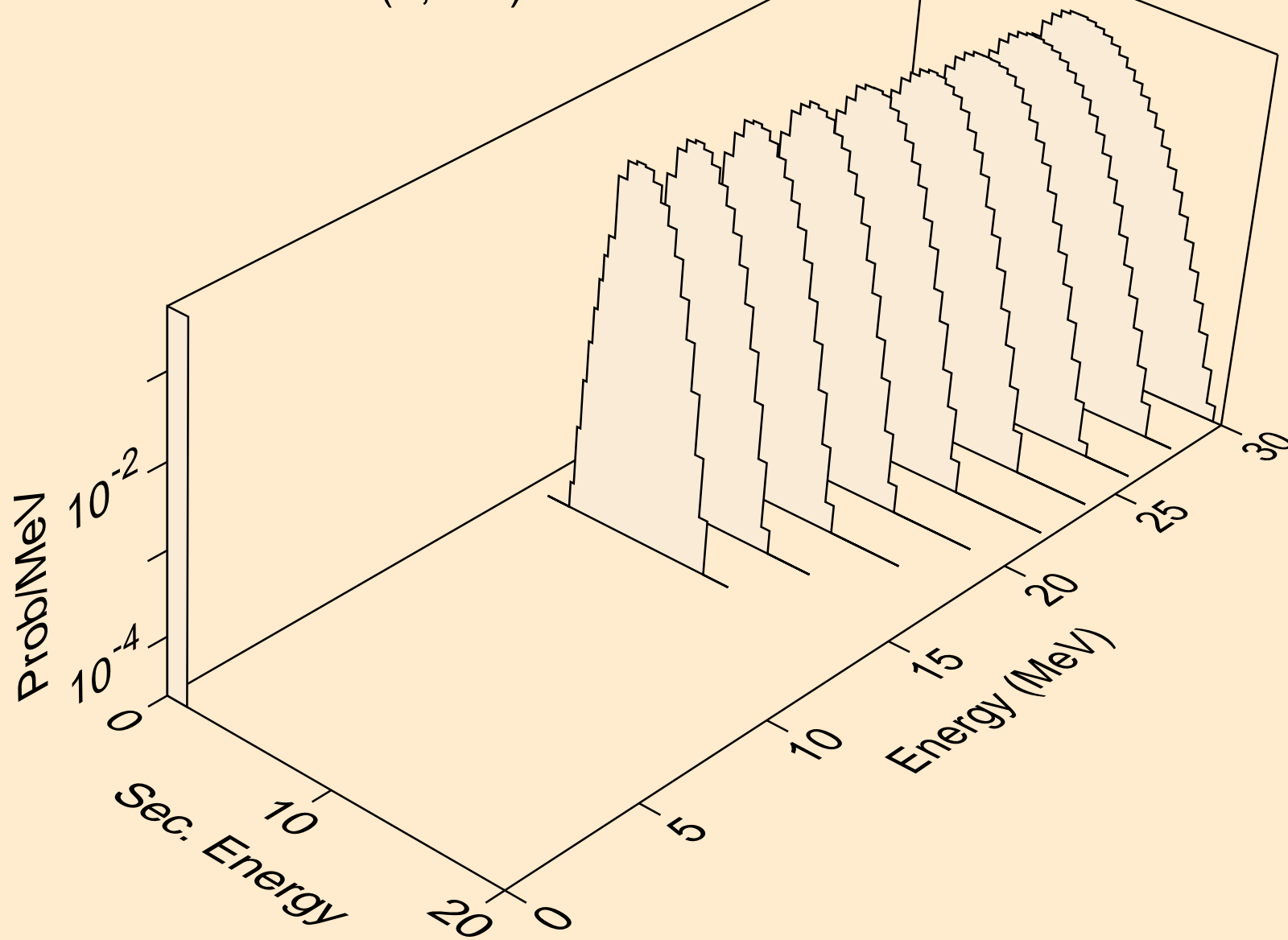
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

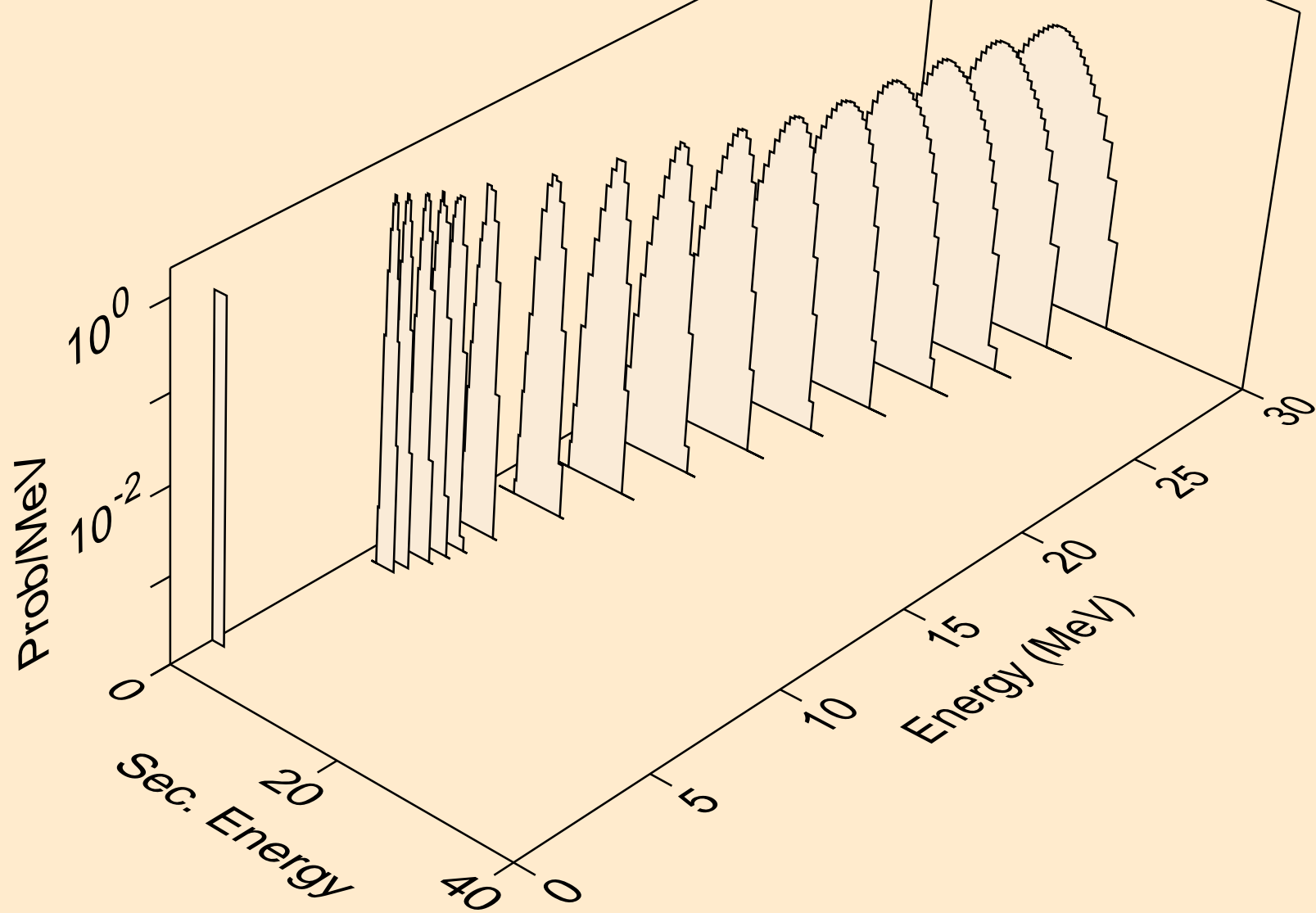


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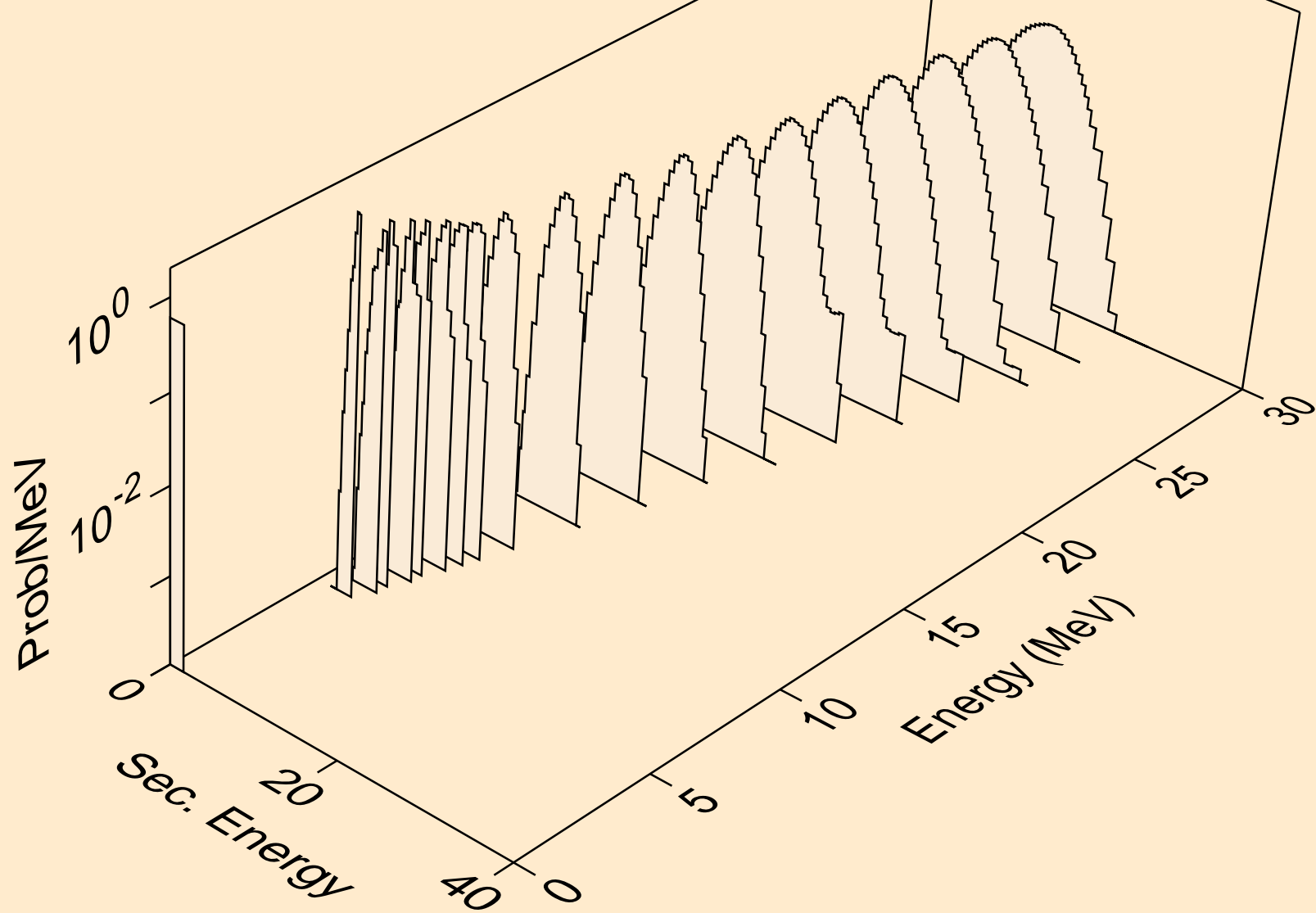




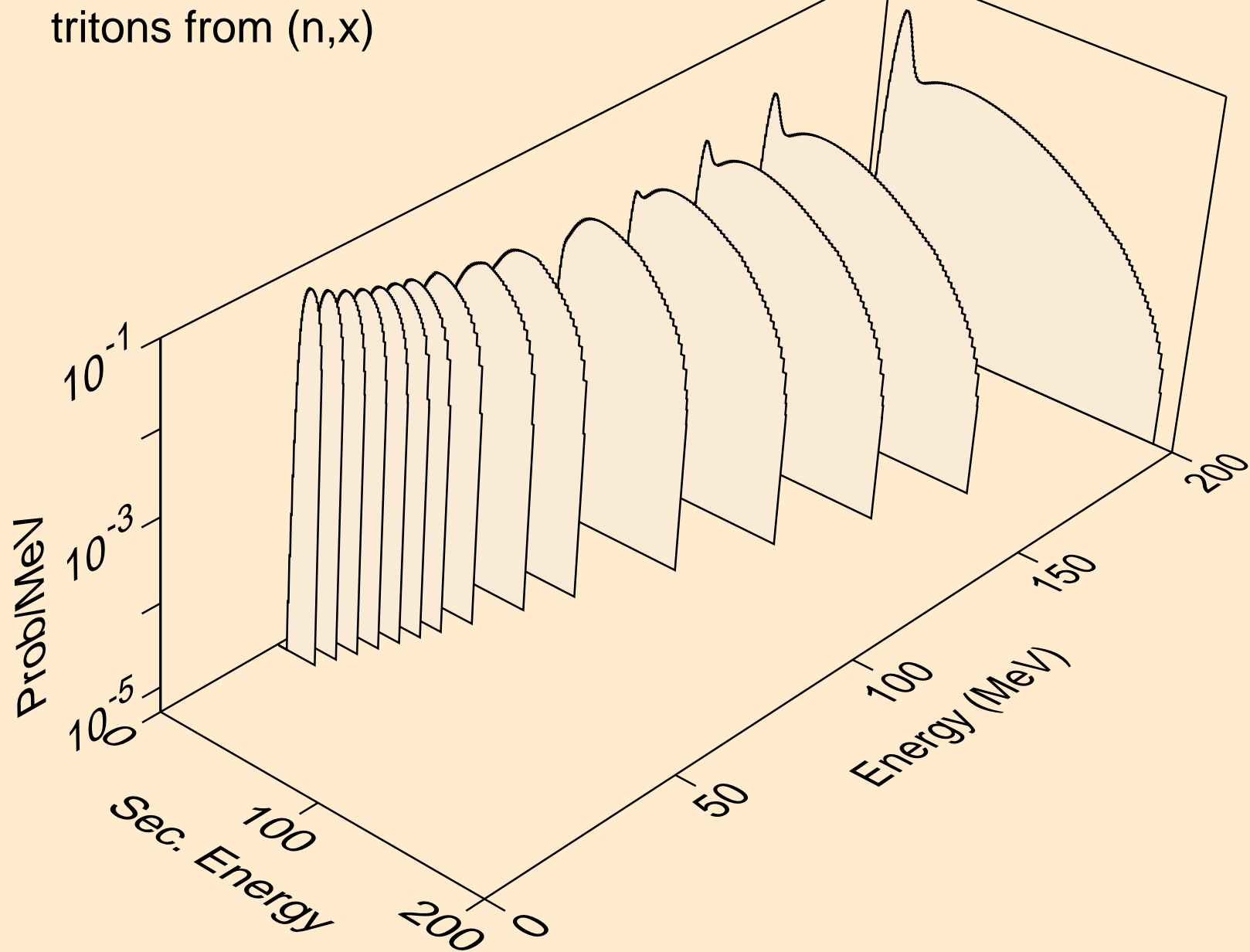
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deuterons from (n,pd)



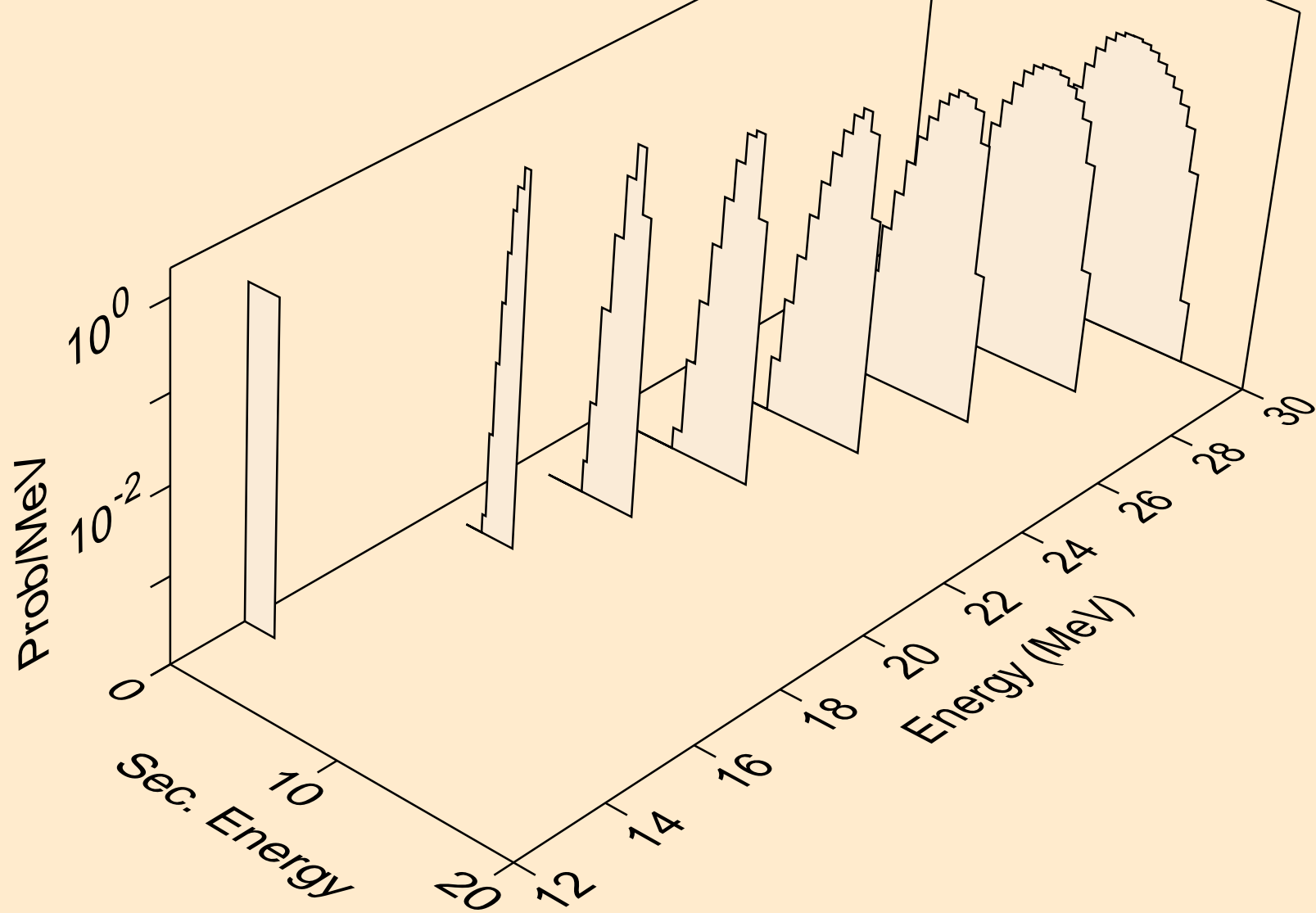
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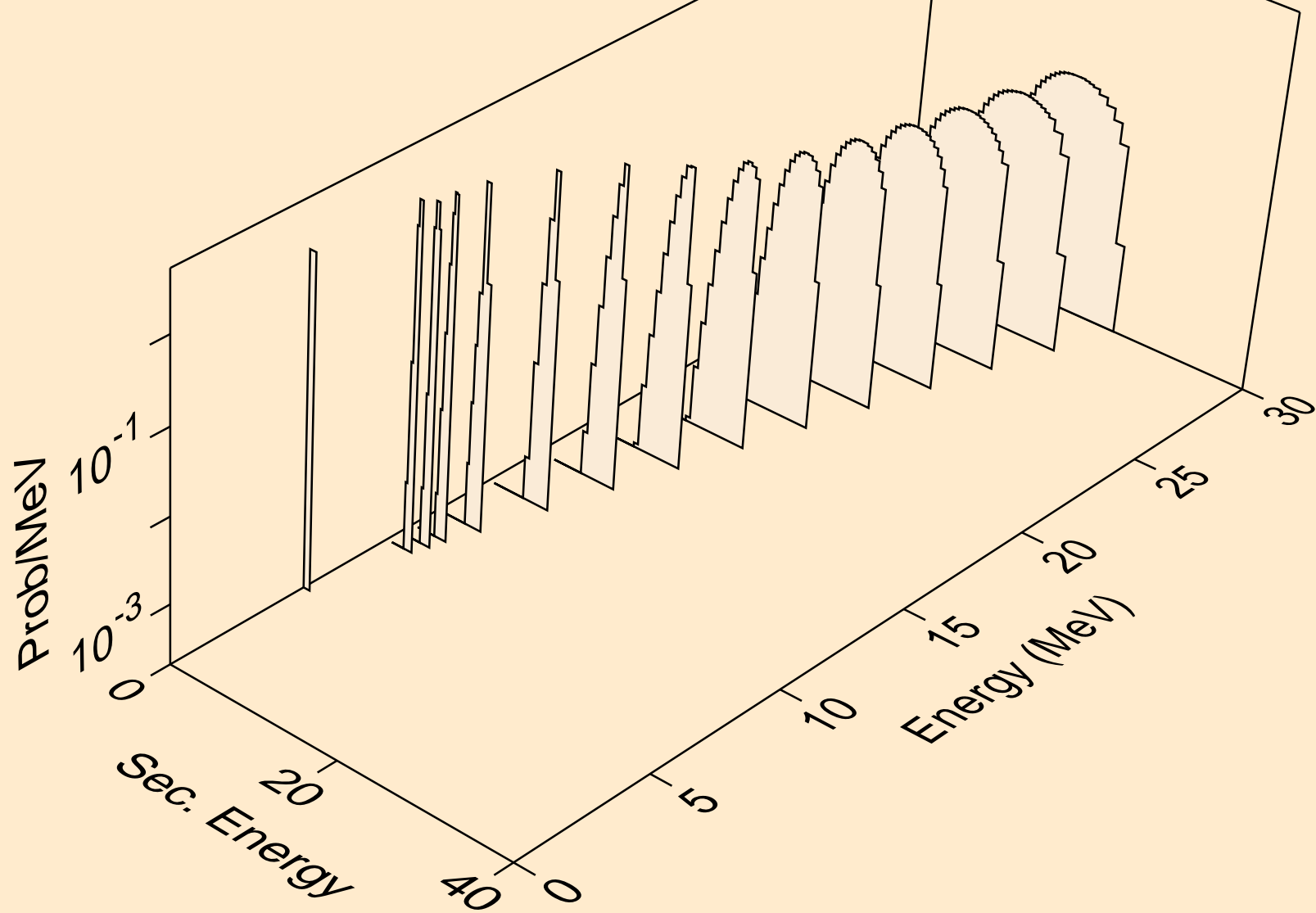
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tritons from (n,x)



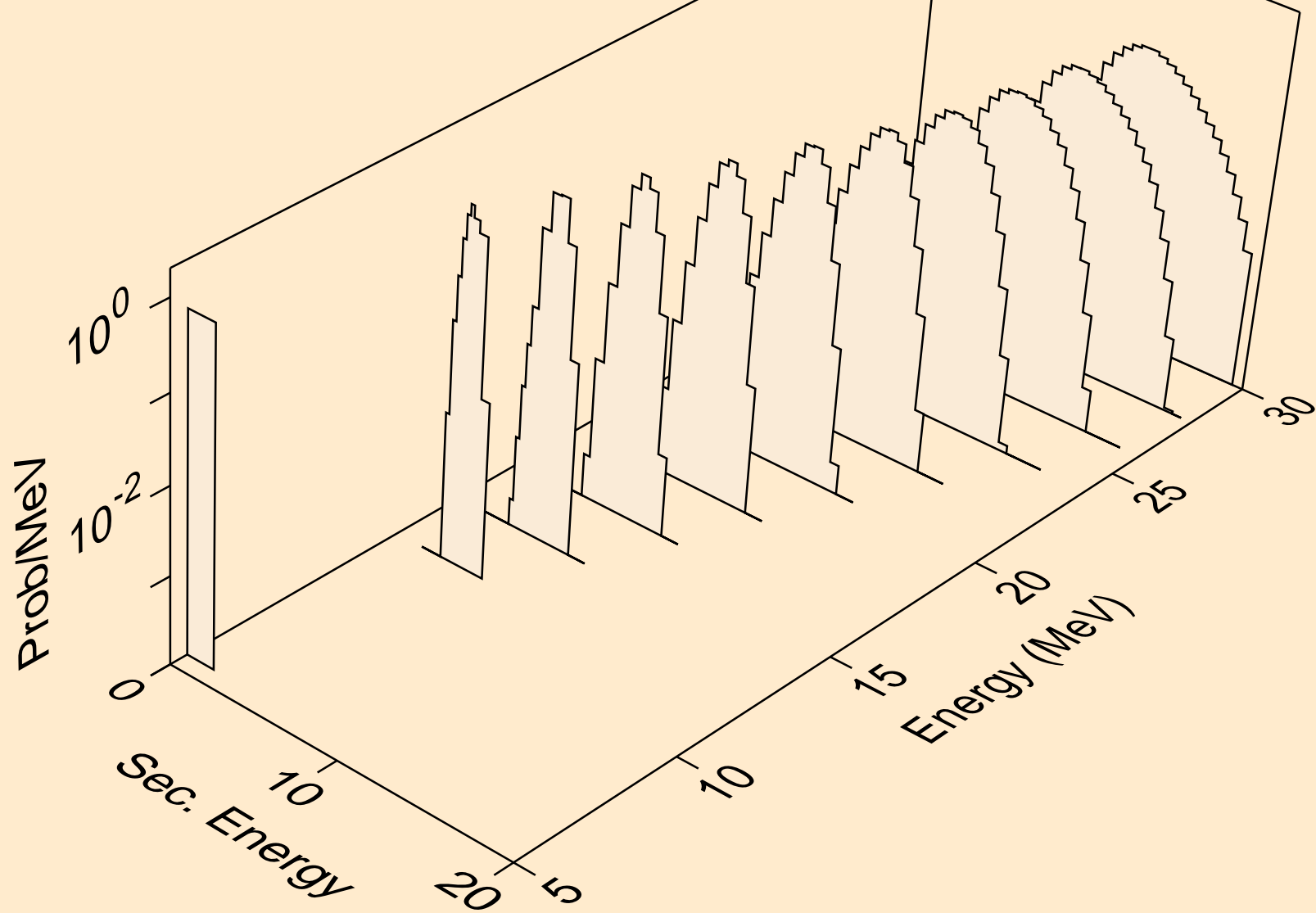
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



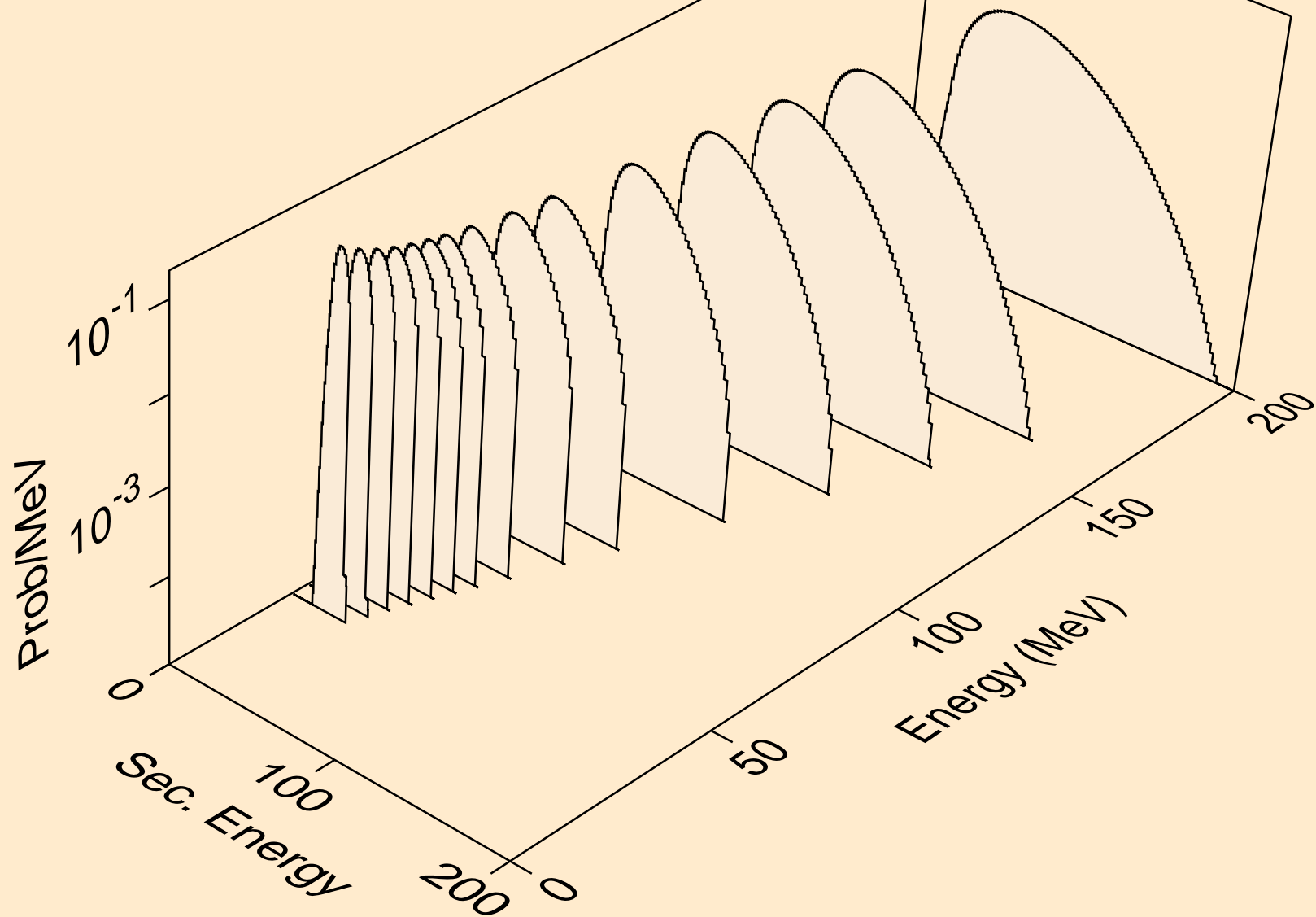
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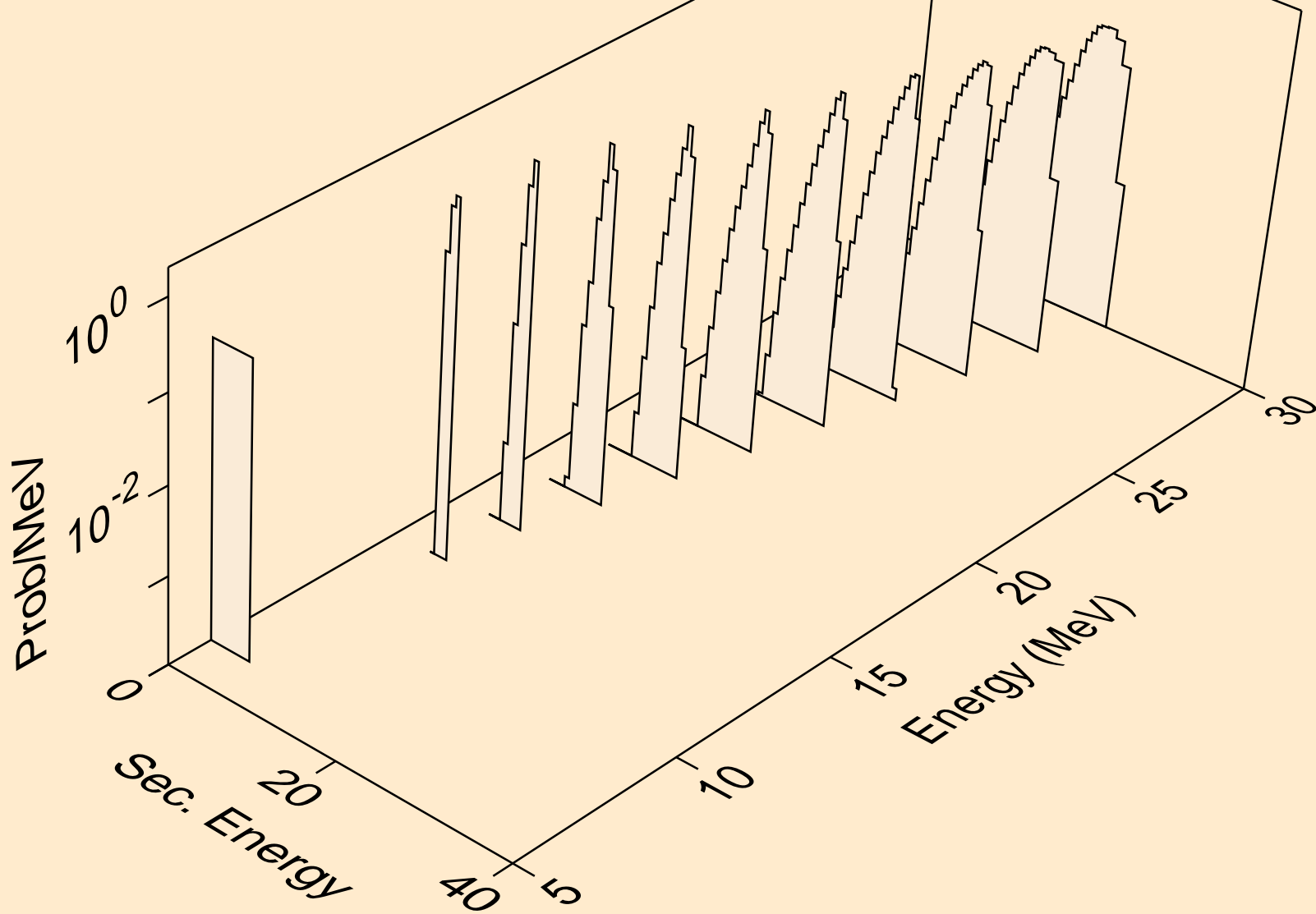
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

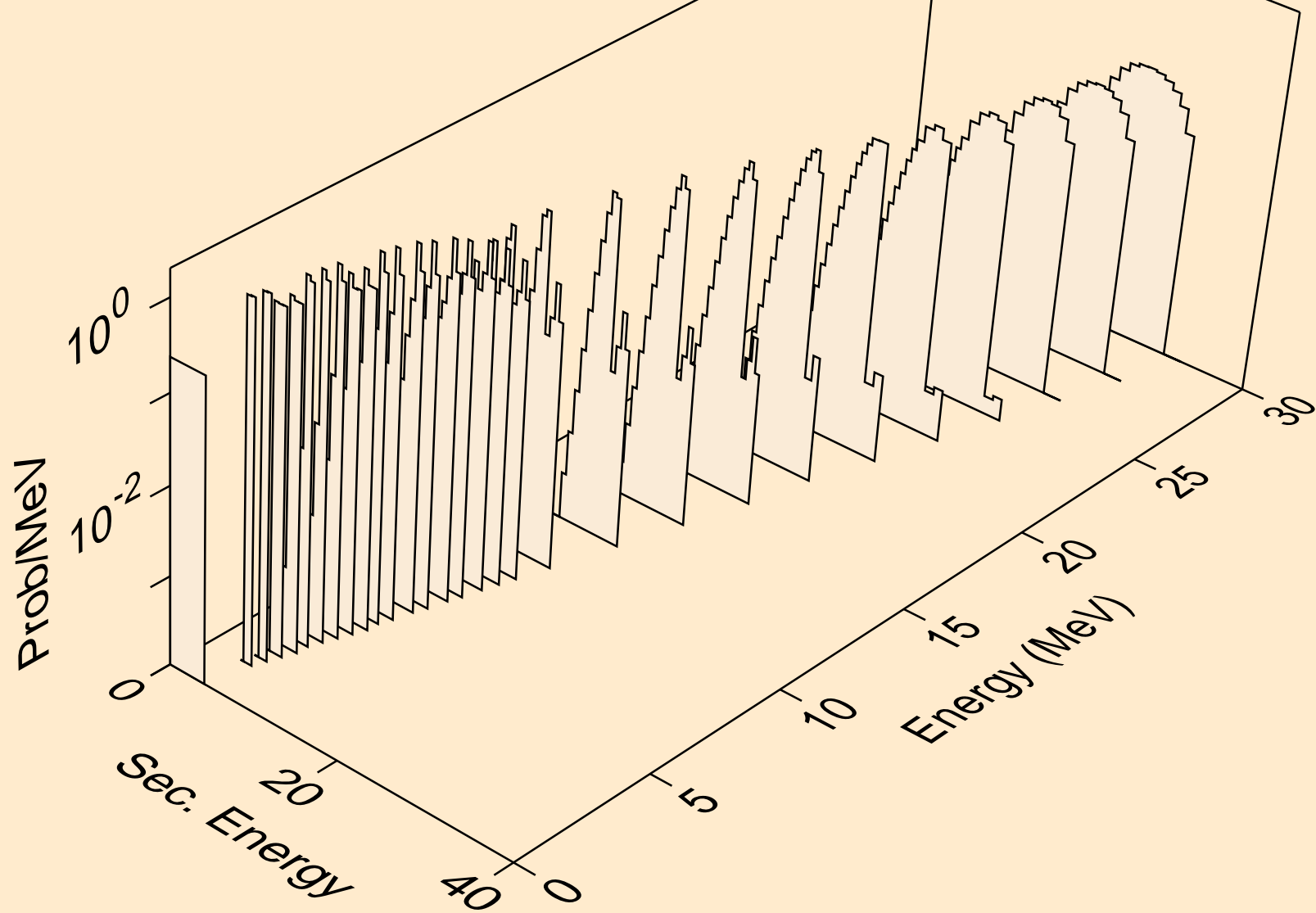


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he3s from (n,n\*)he3

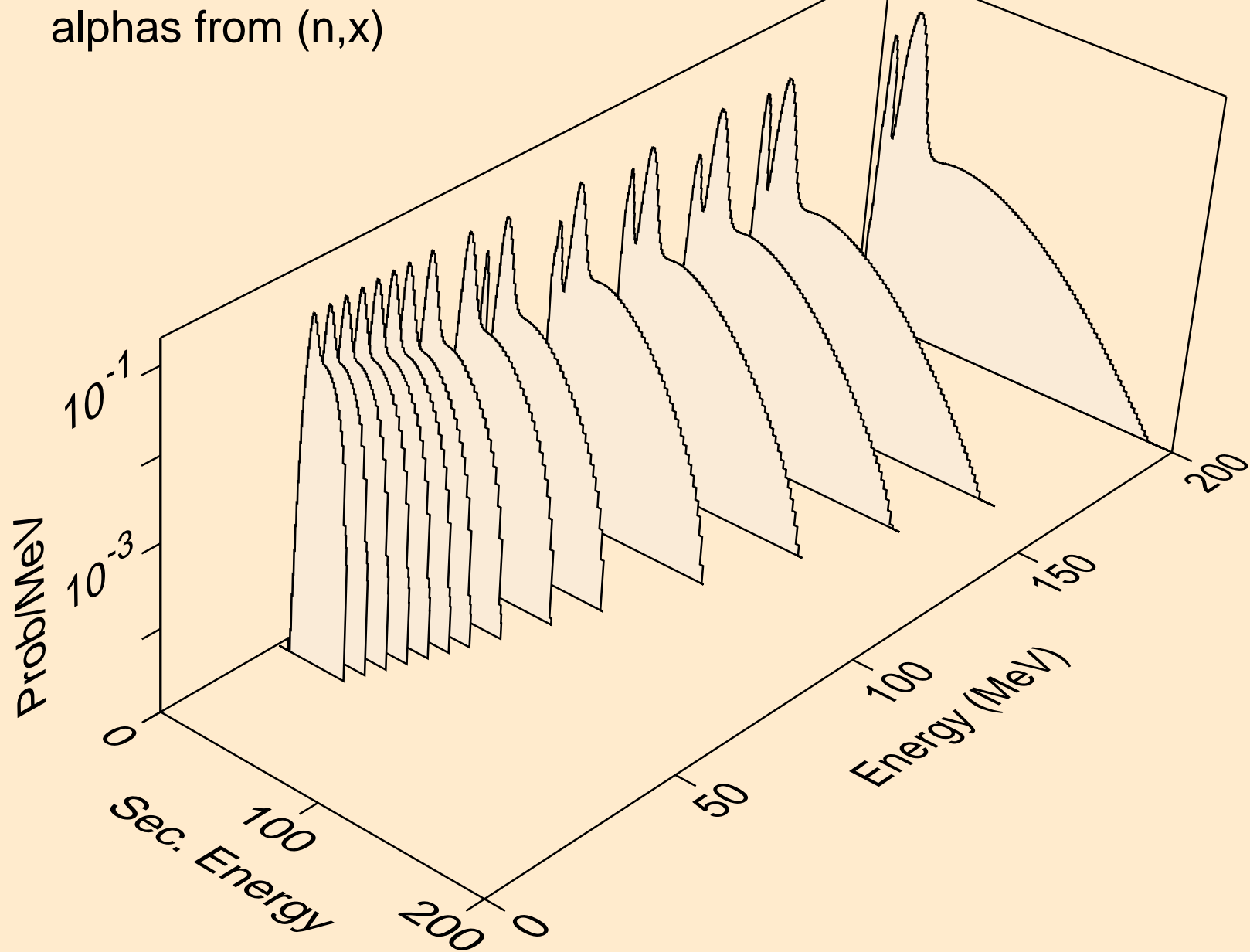




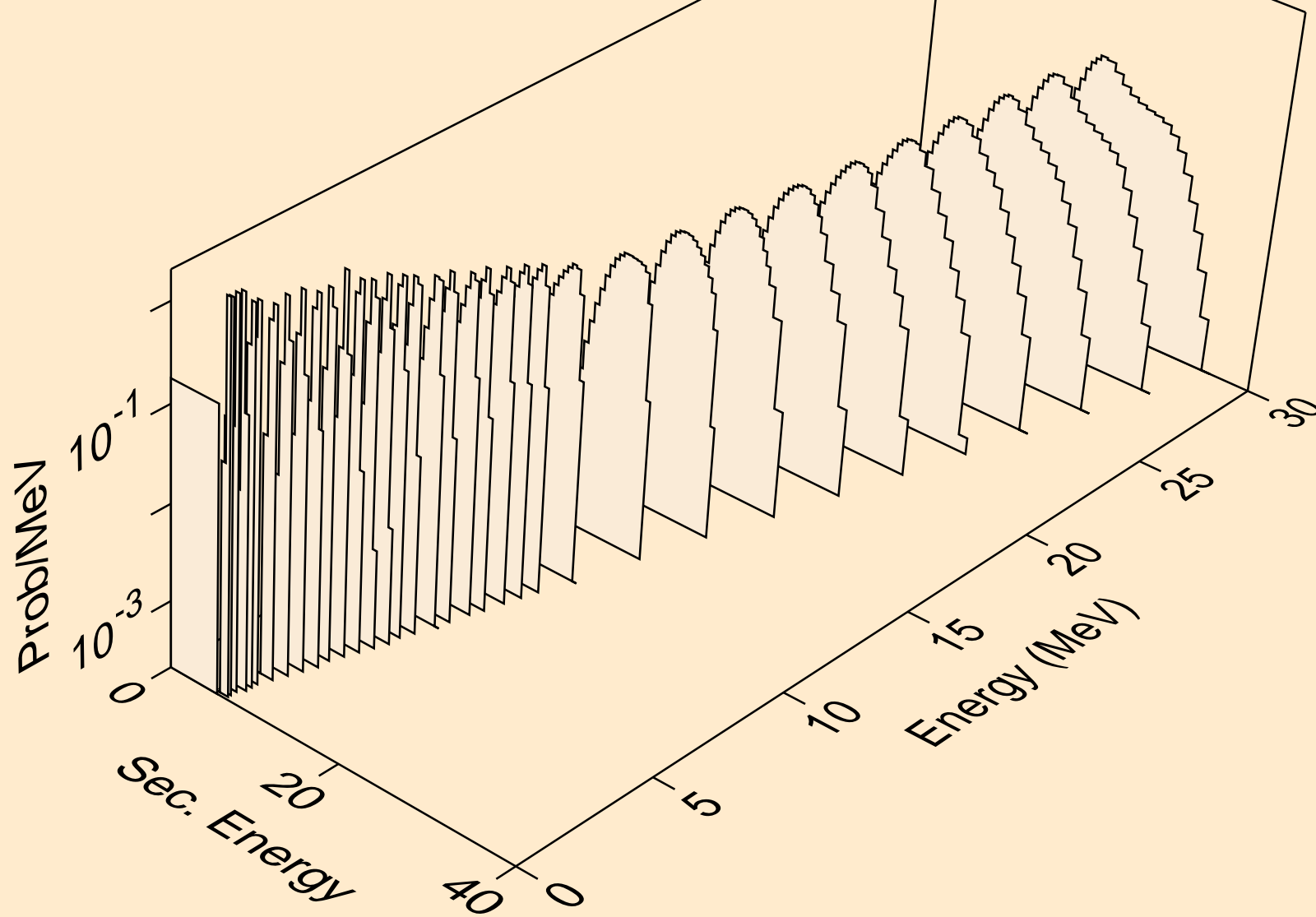
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he3s from (n,he3)



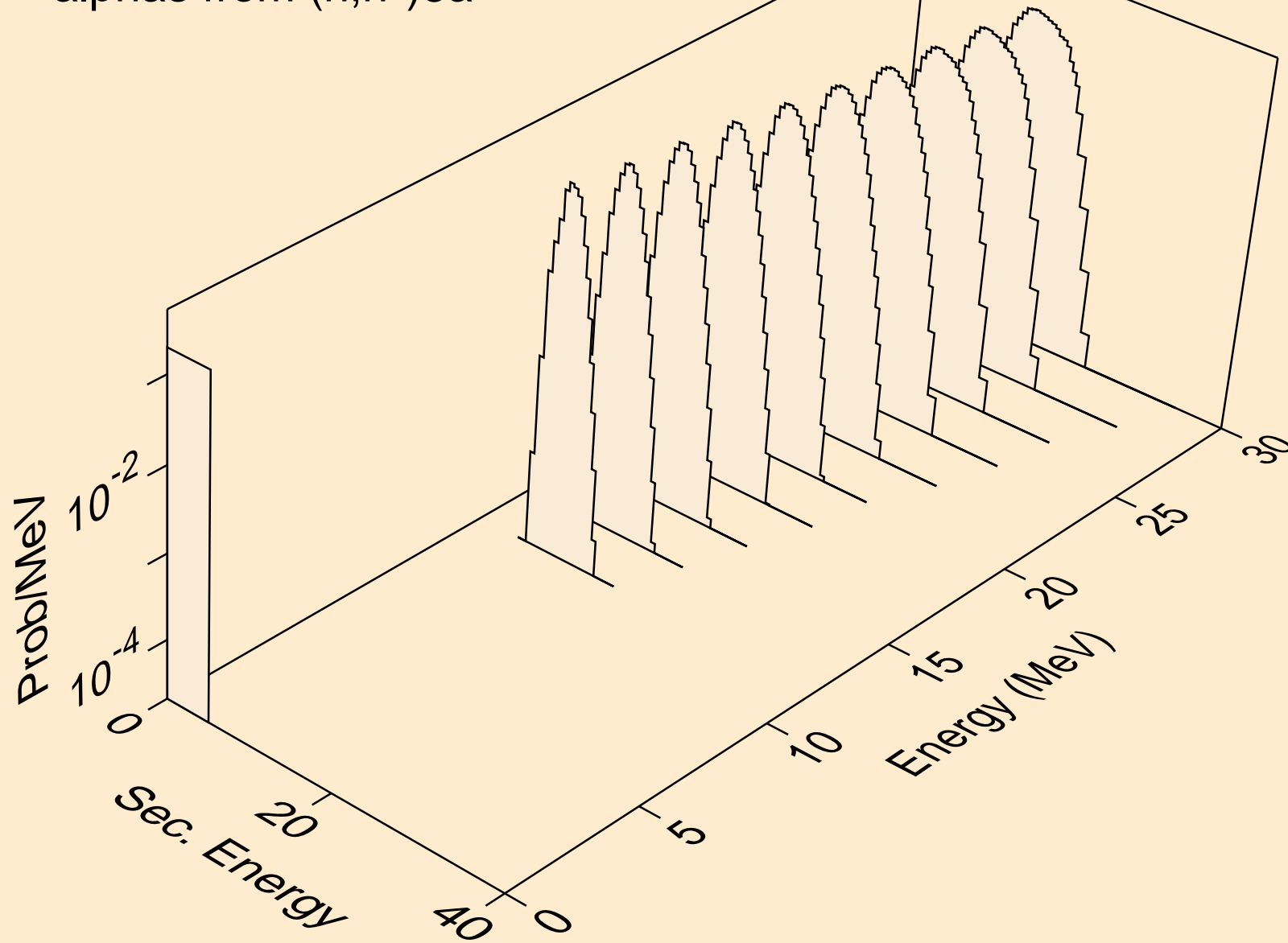
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



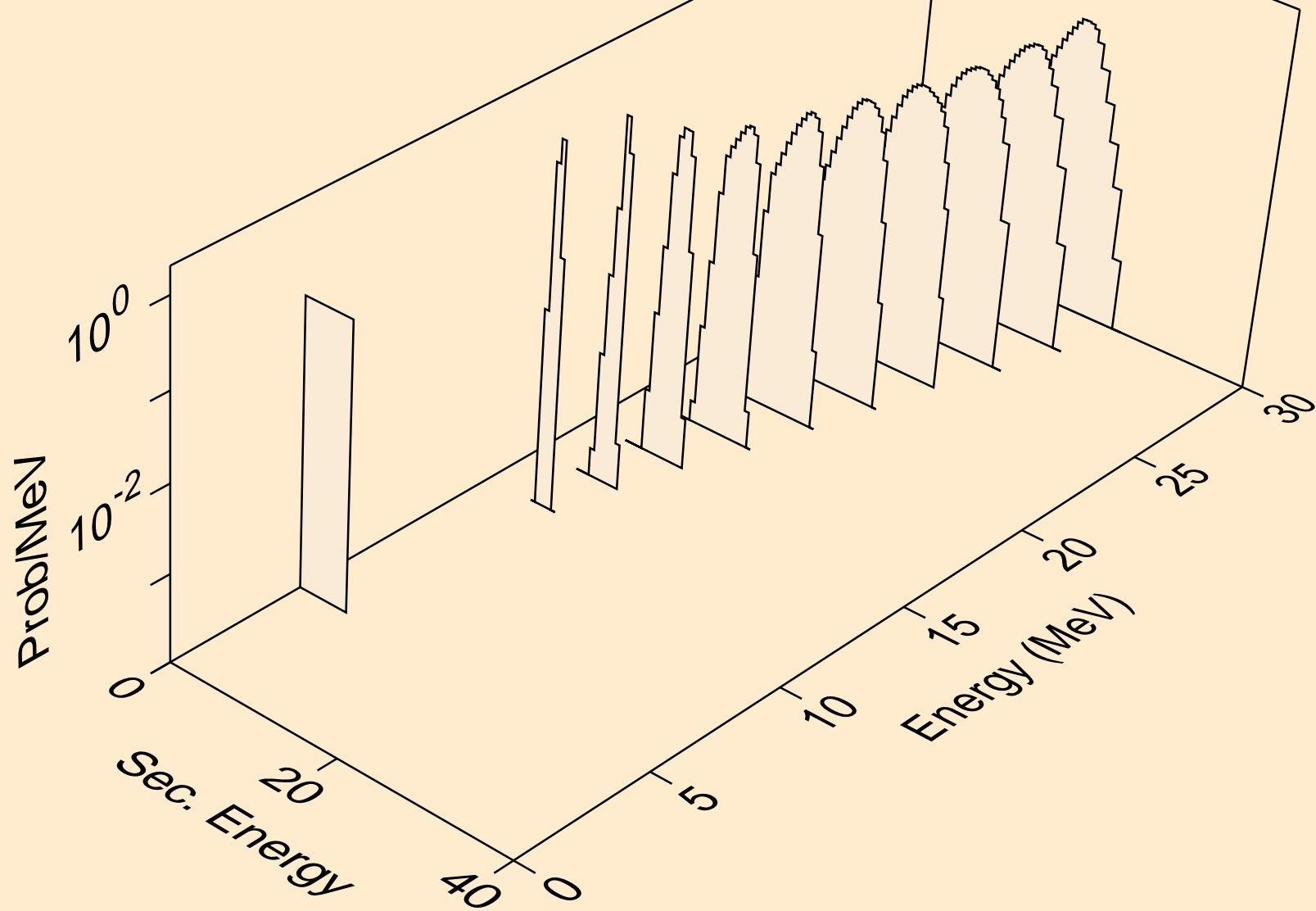
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



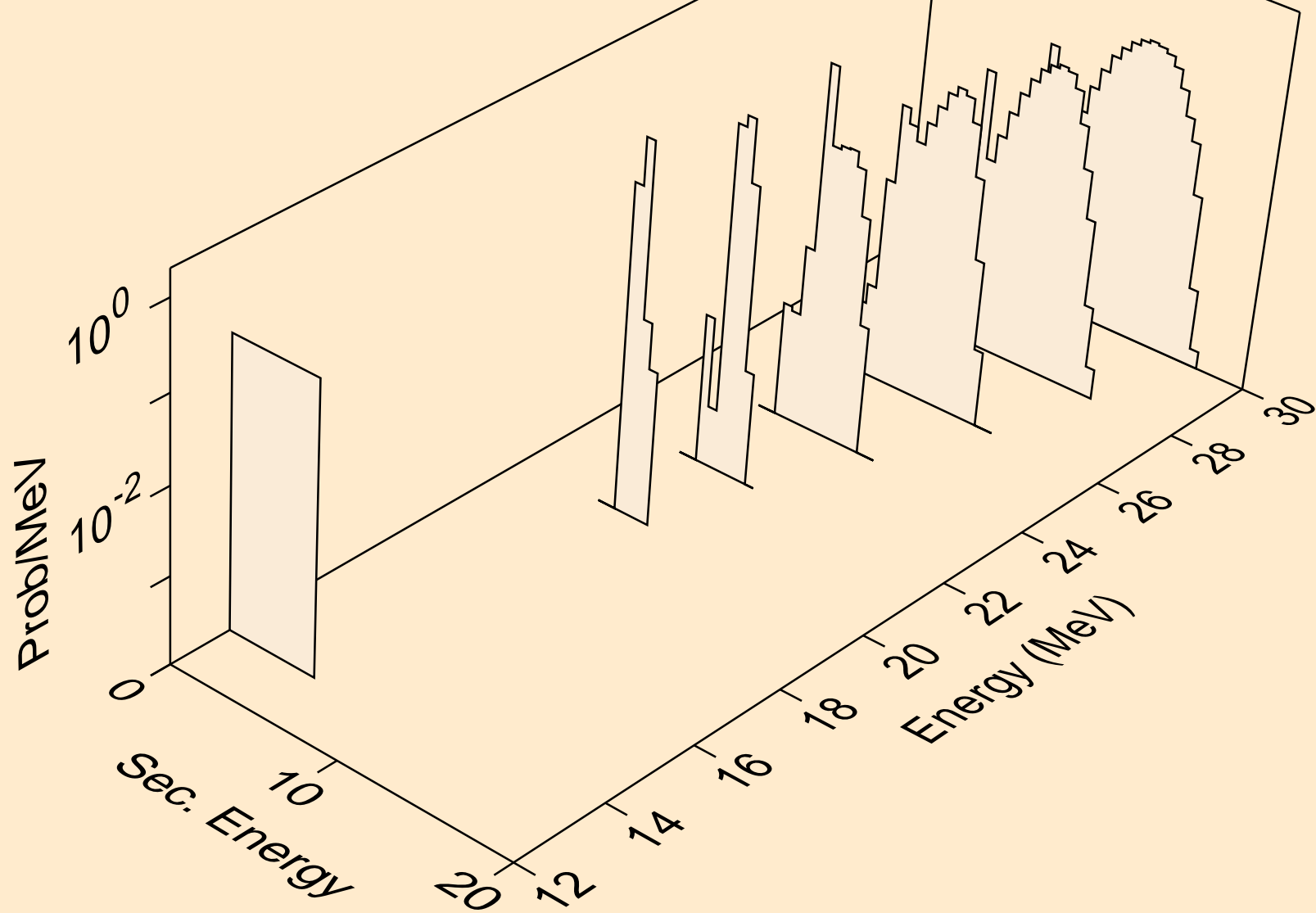
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alphas from (n,n\*)3a



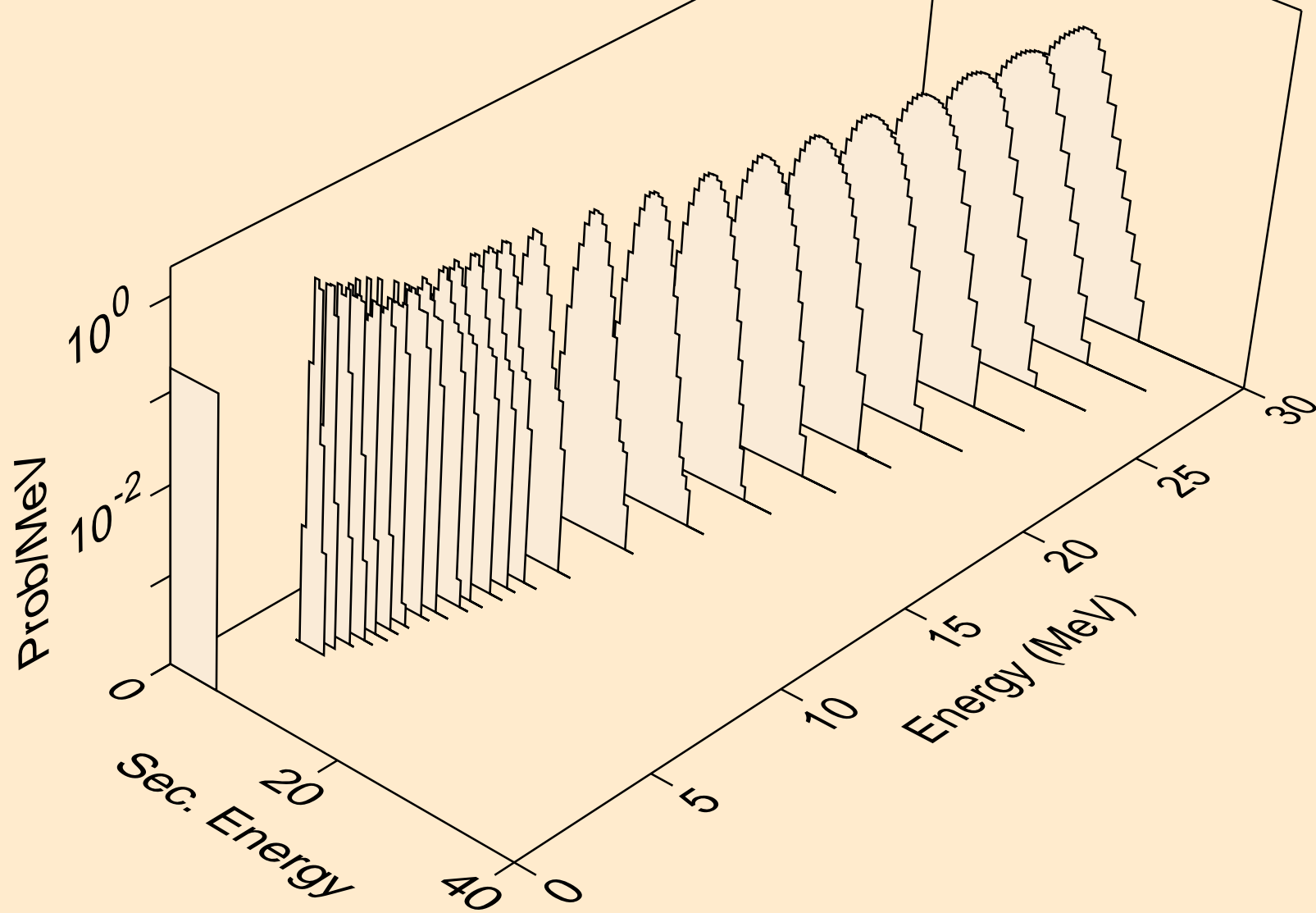
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alphas from (n,2n)a



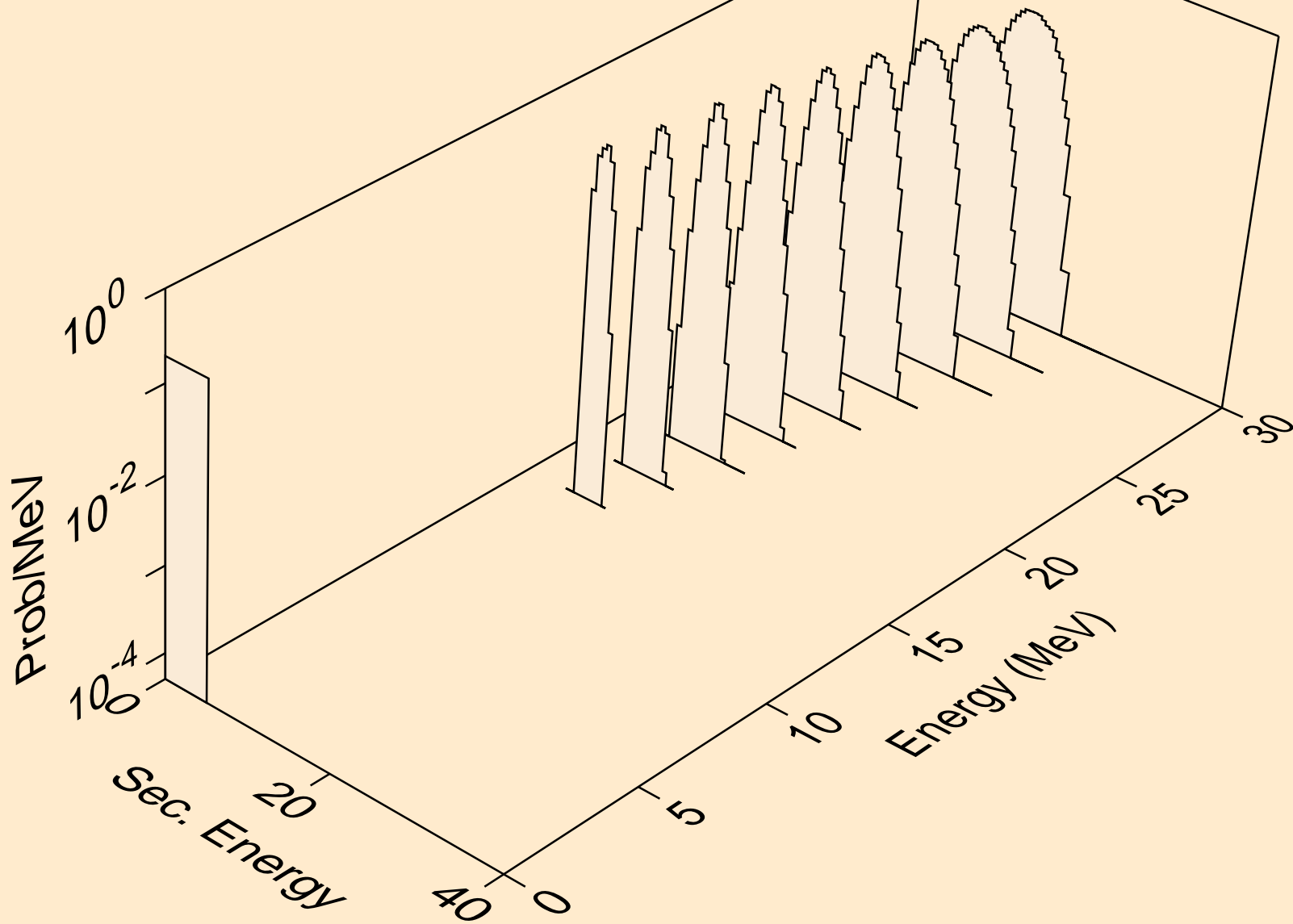
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alphas from (n,3n)a



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

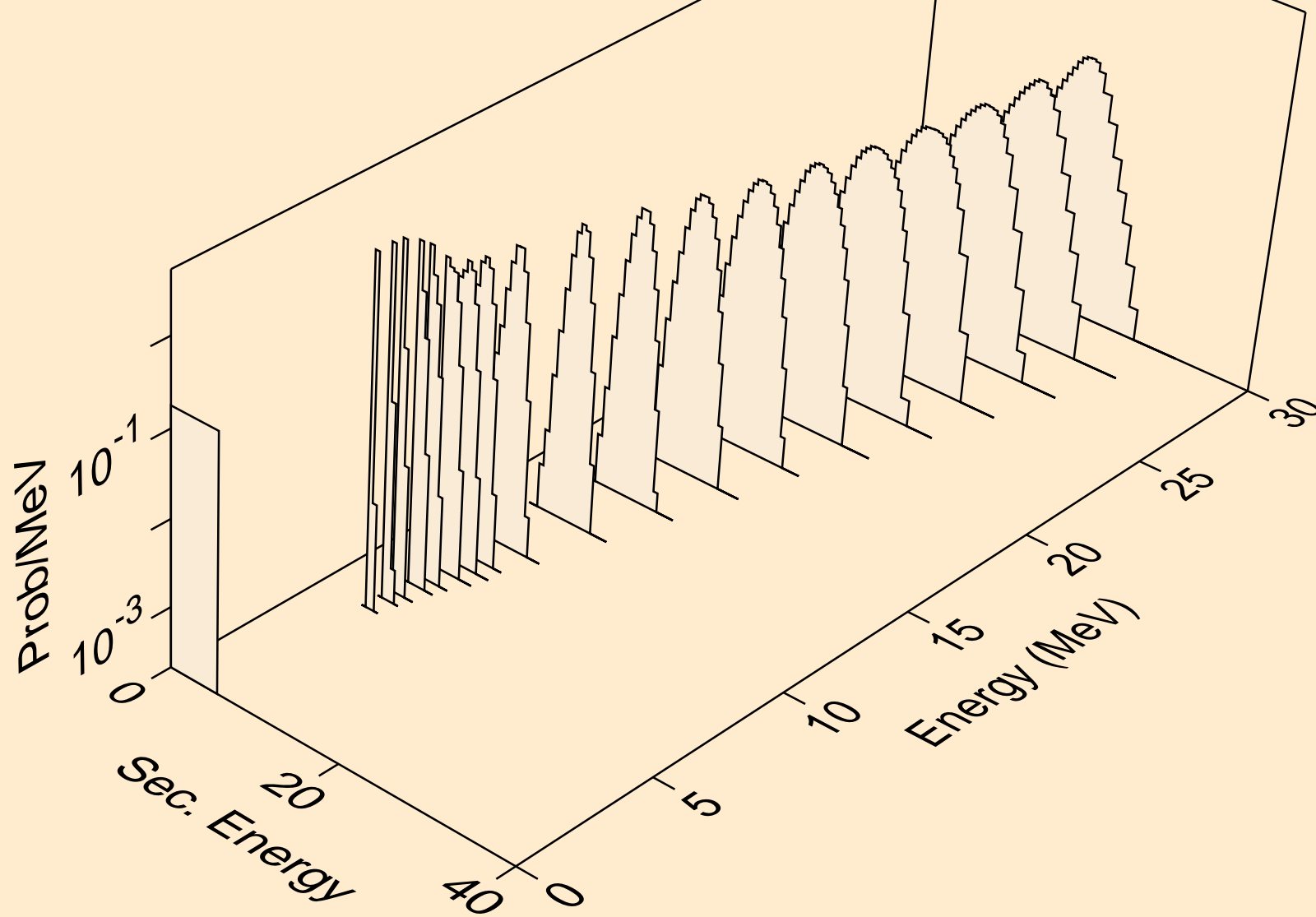


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alphas from (n,2n)2a

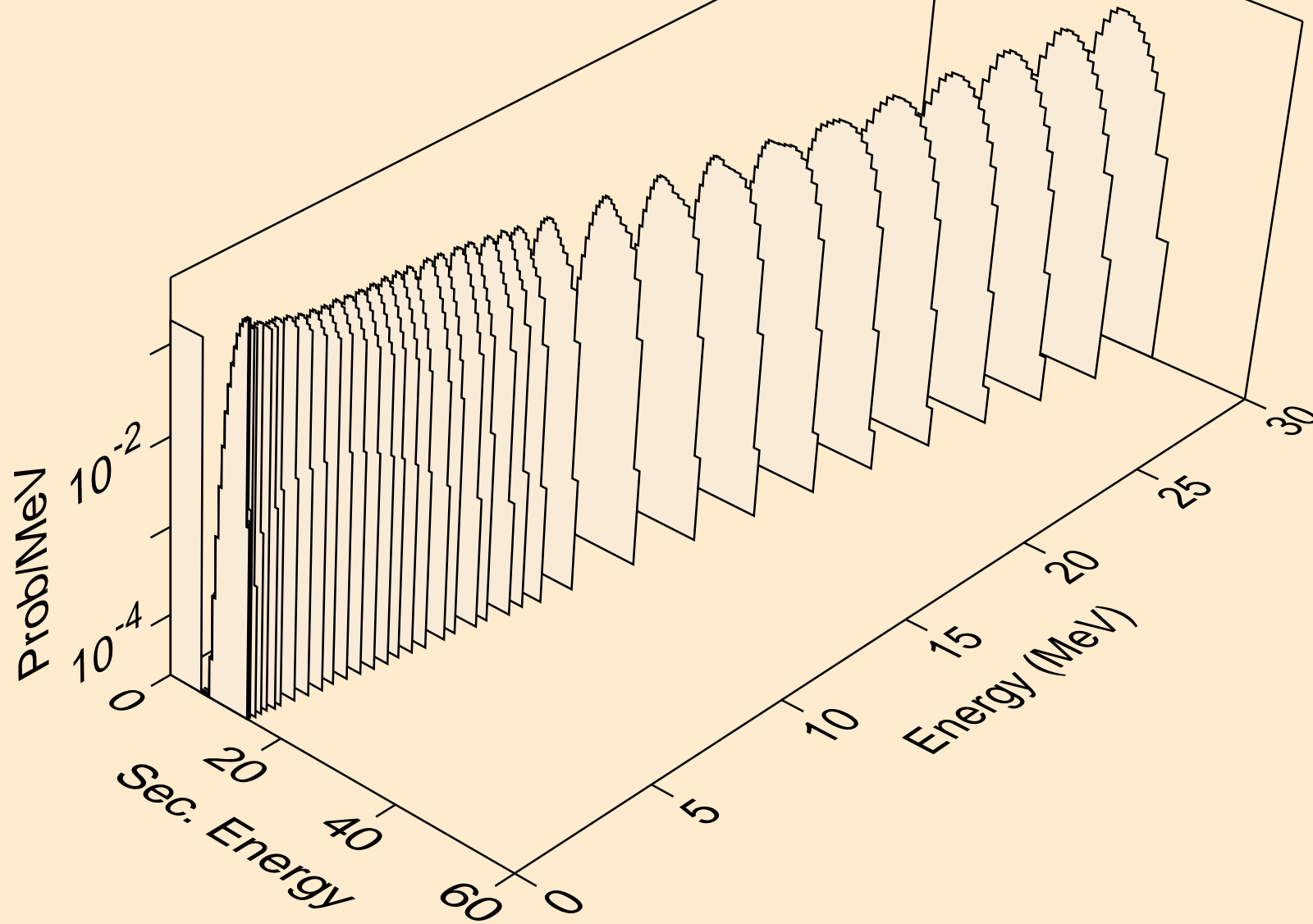




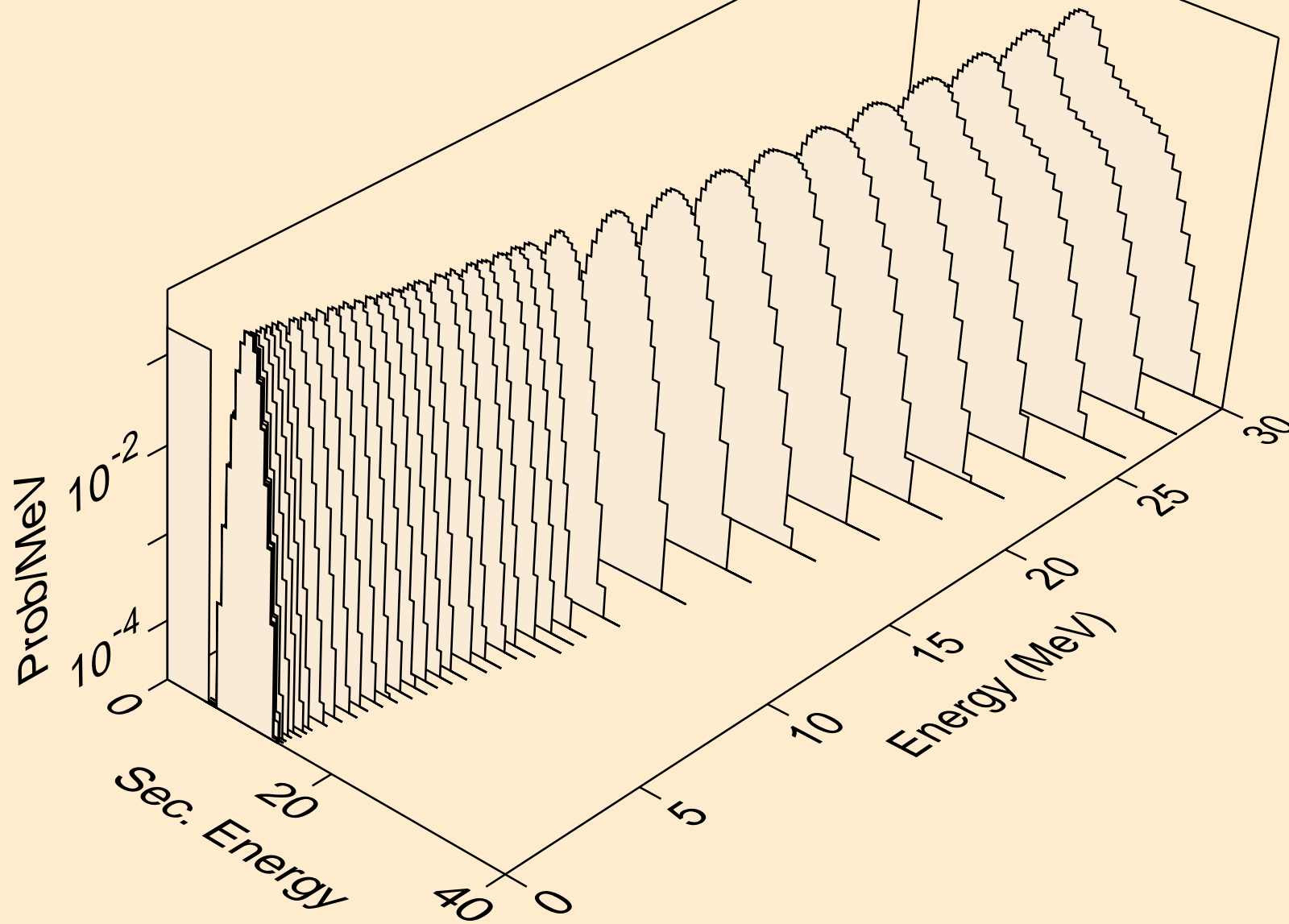
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alphas from (n,npa)



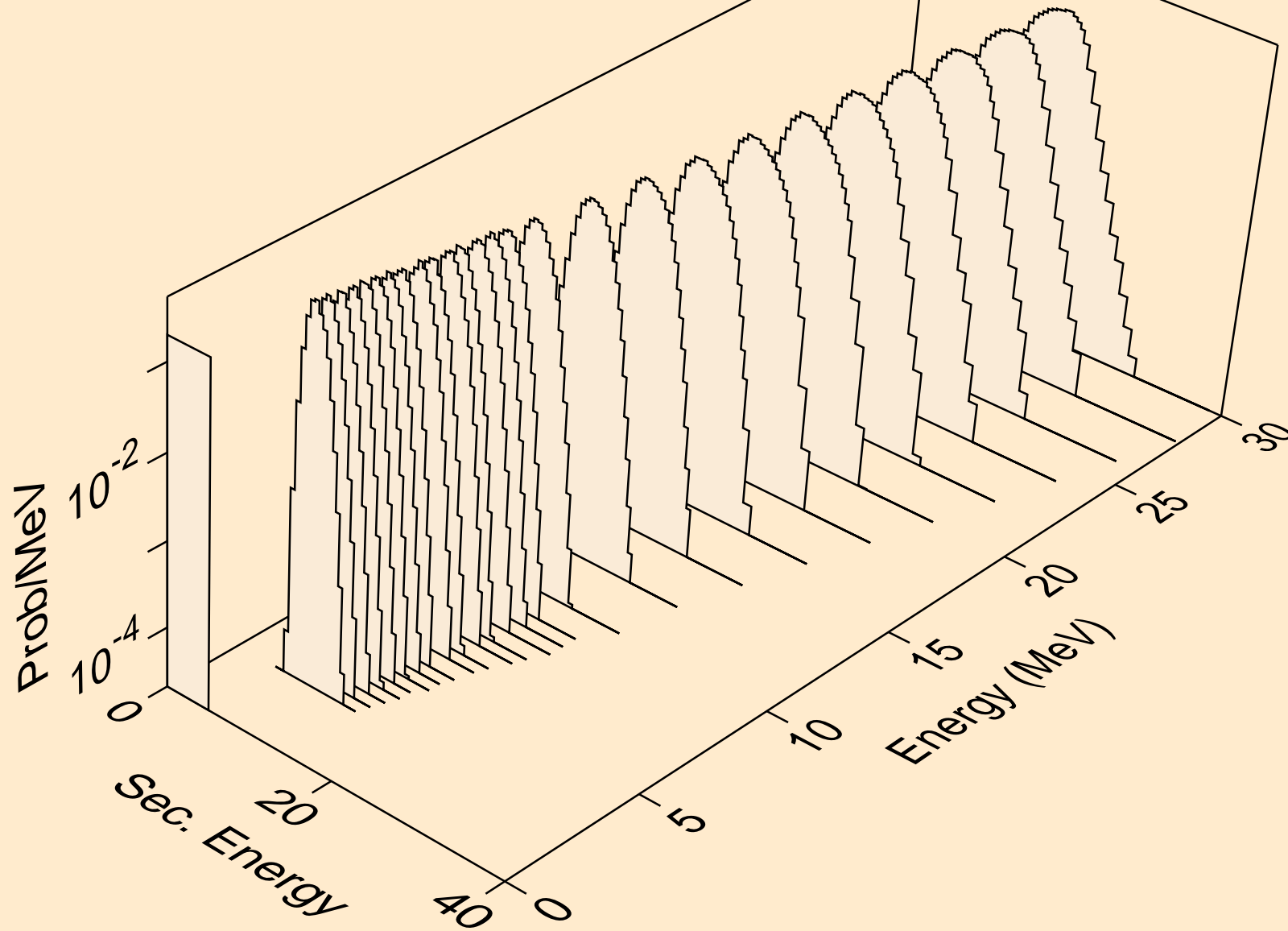
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alphas from (n,a)



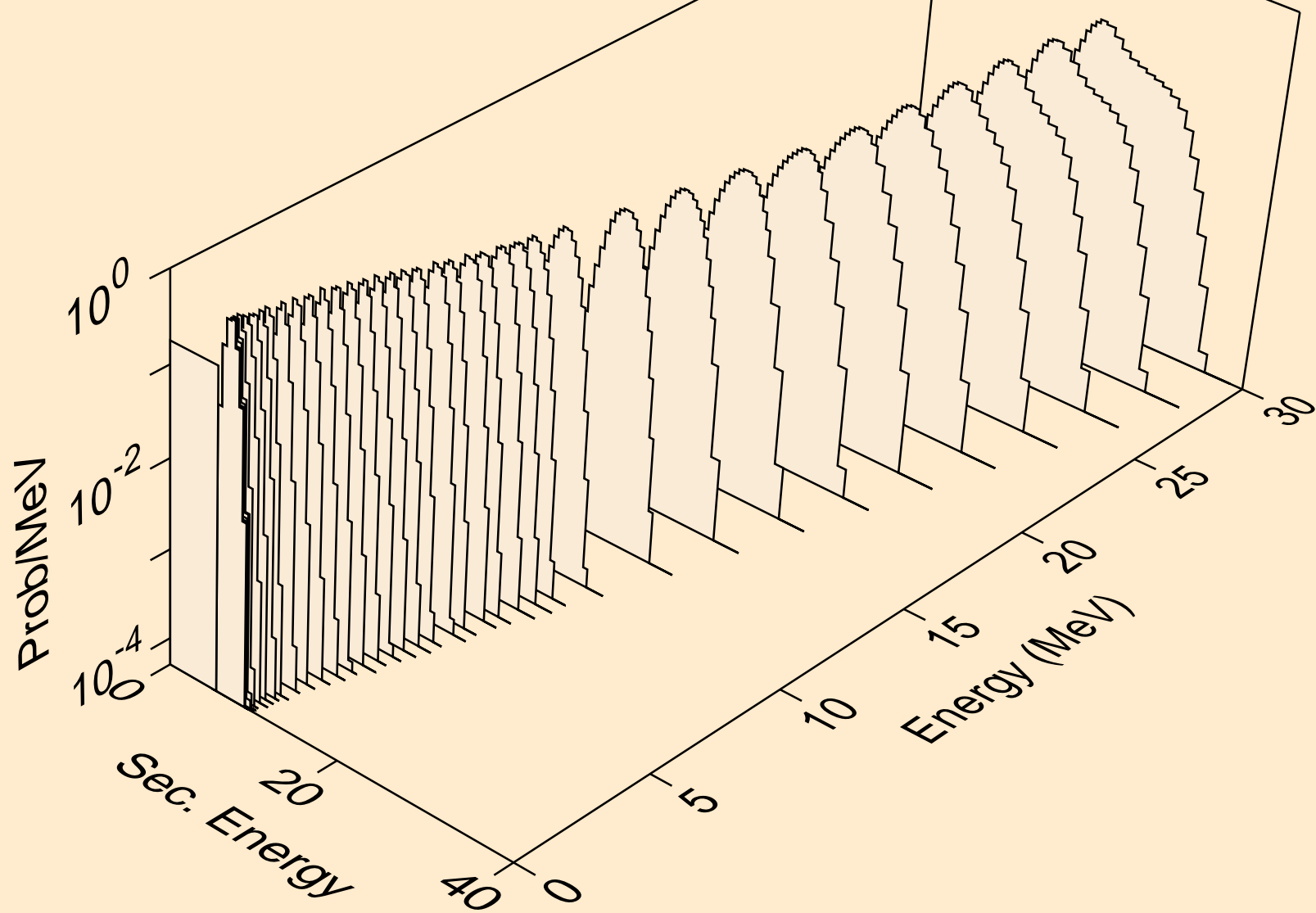
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alphas from (n,2a)



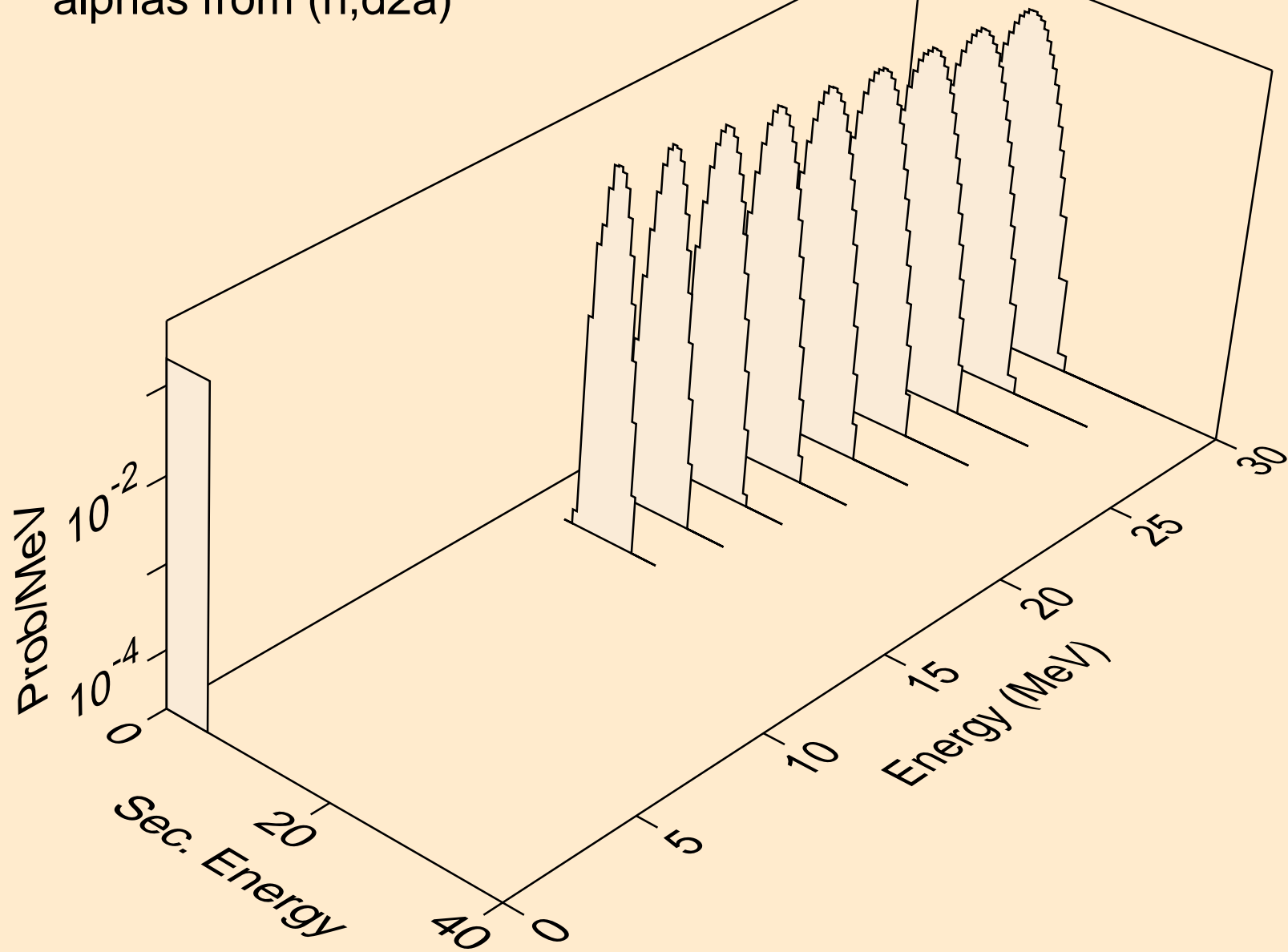
HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



HG182 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

