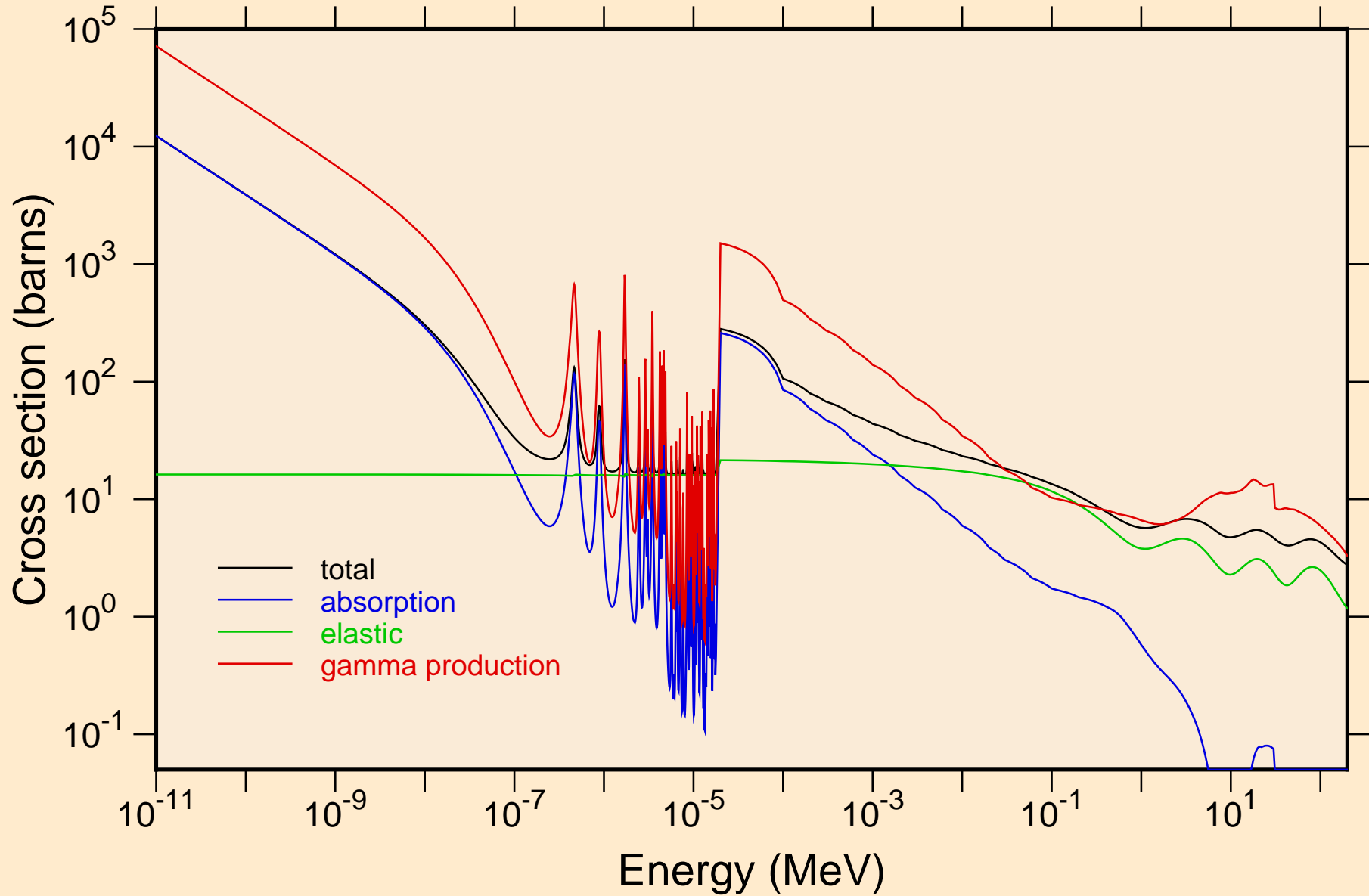
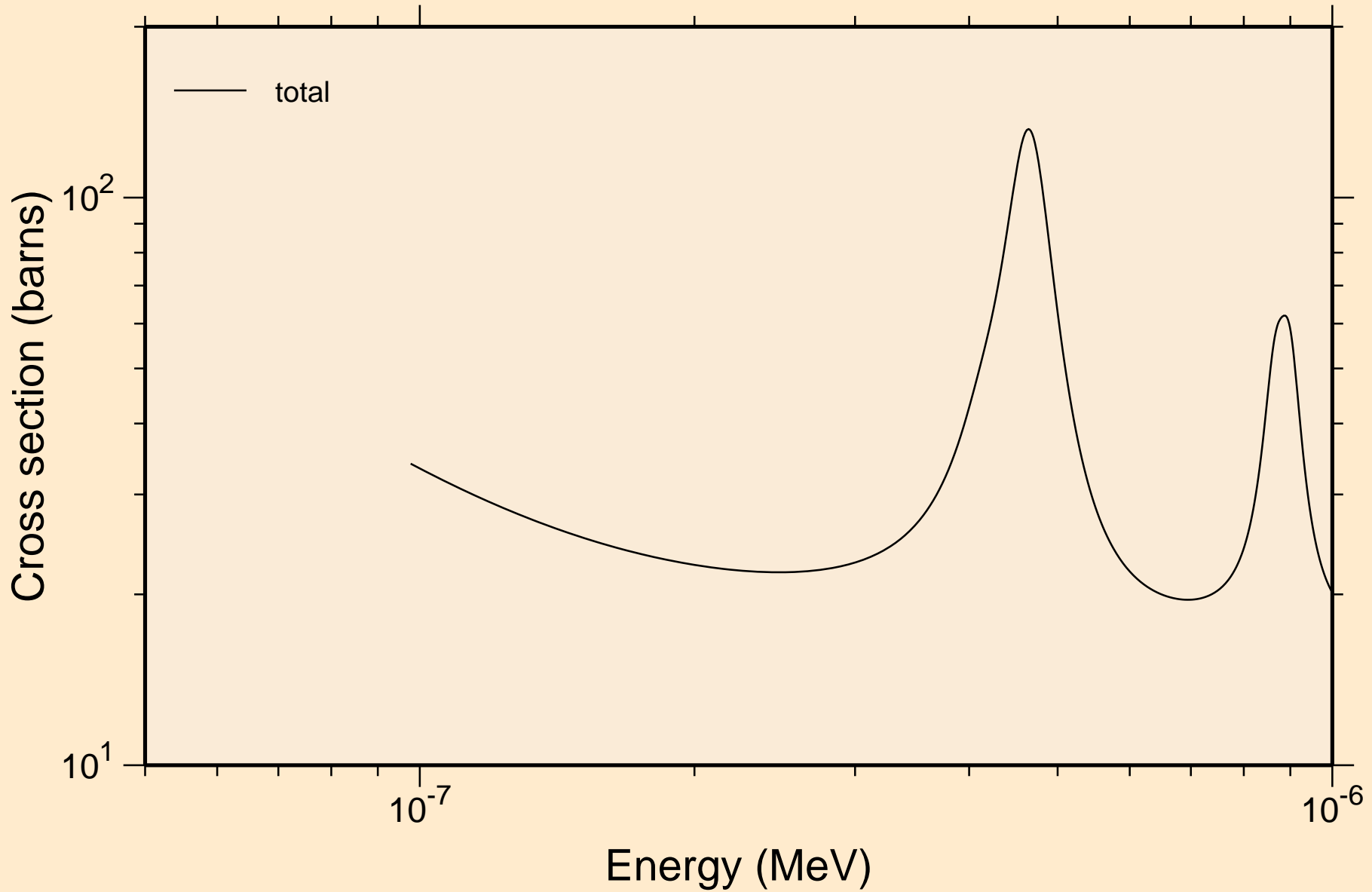


# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

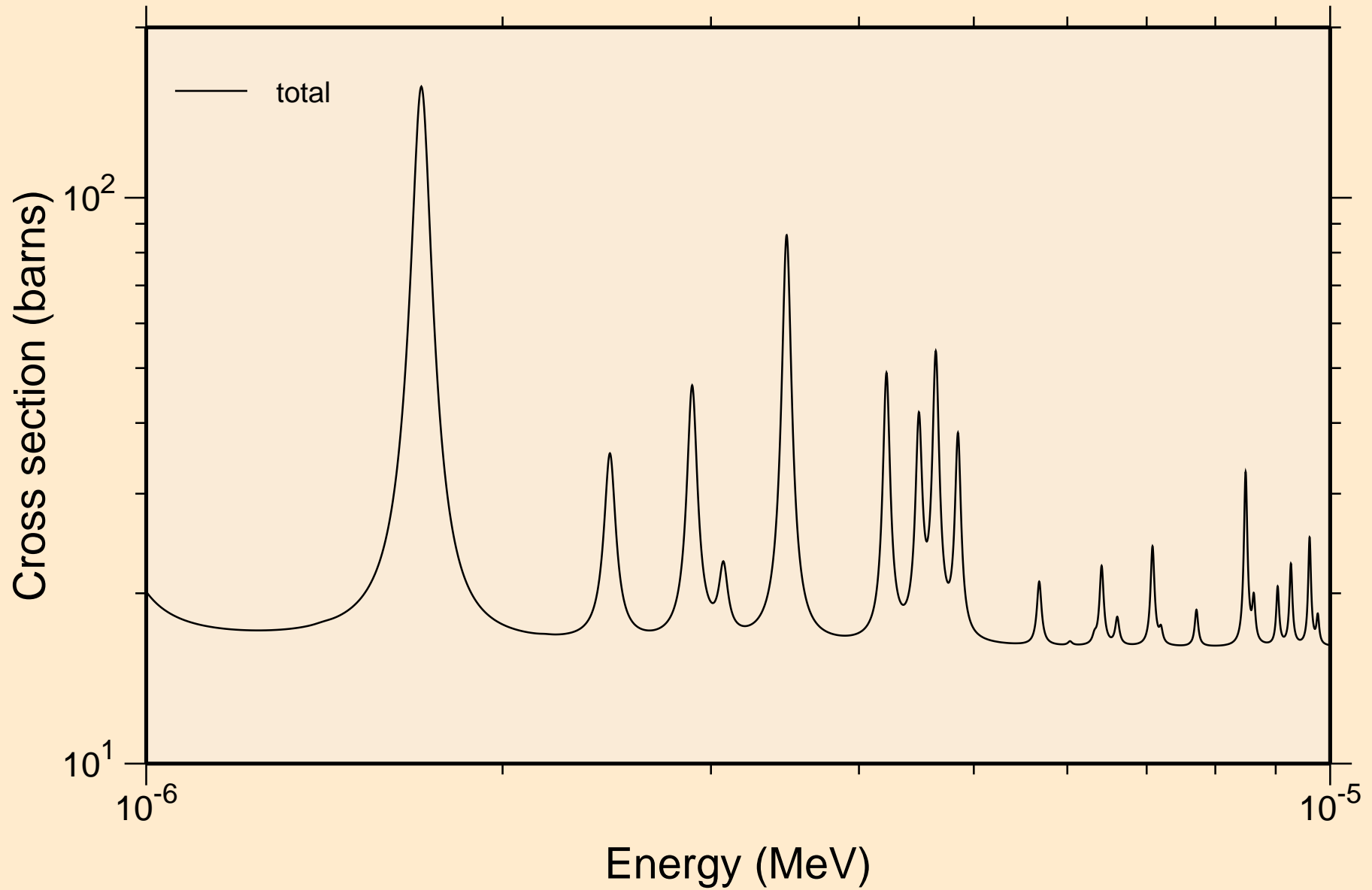
## Principal cross sections



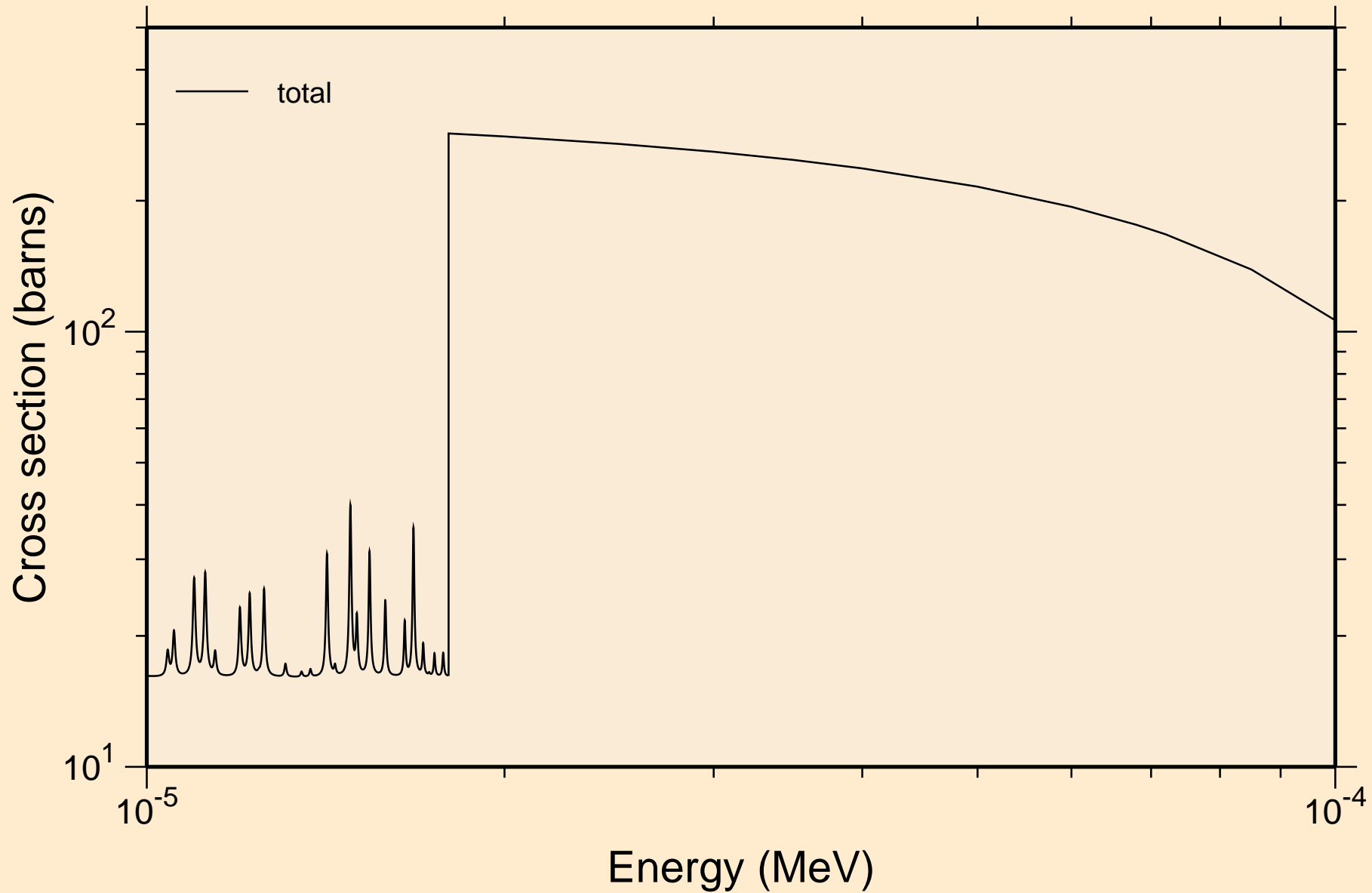
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



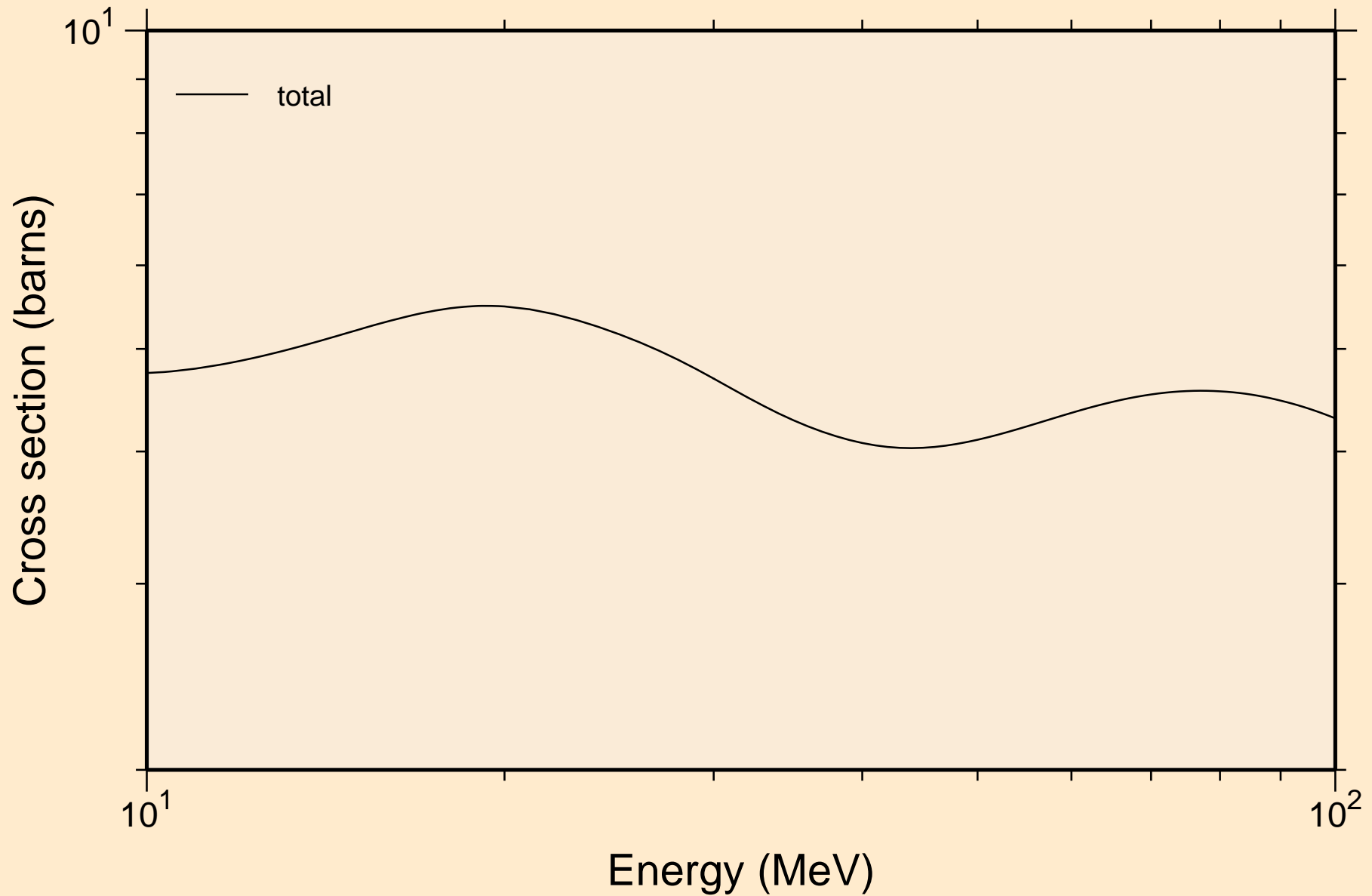
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resonance total cross section



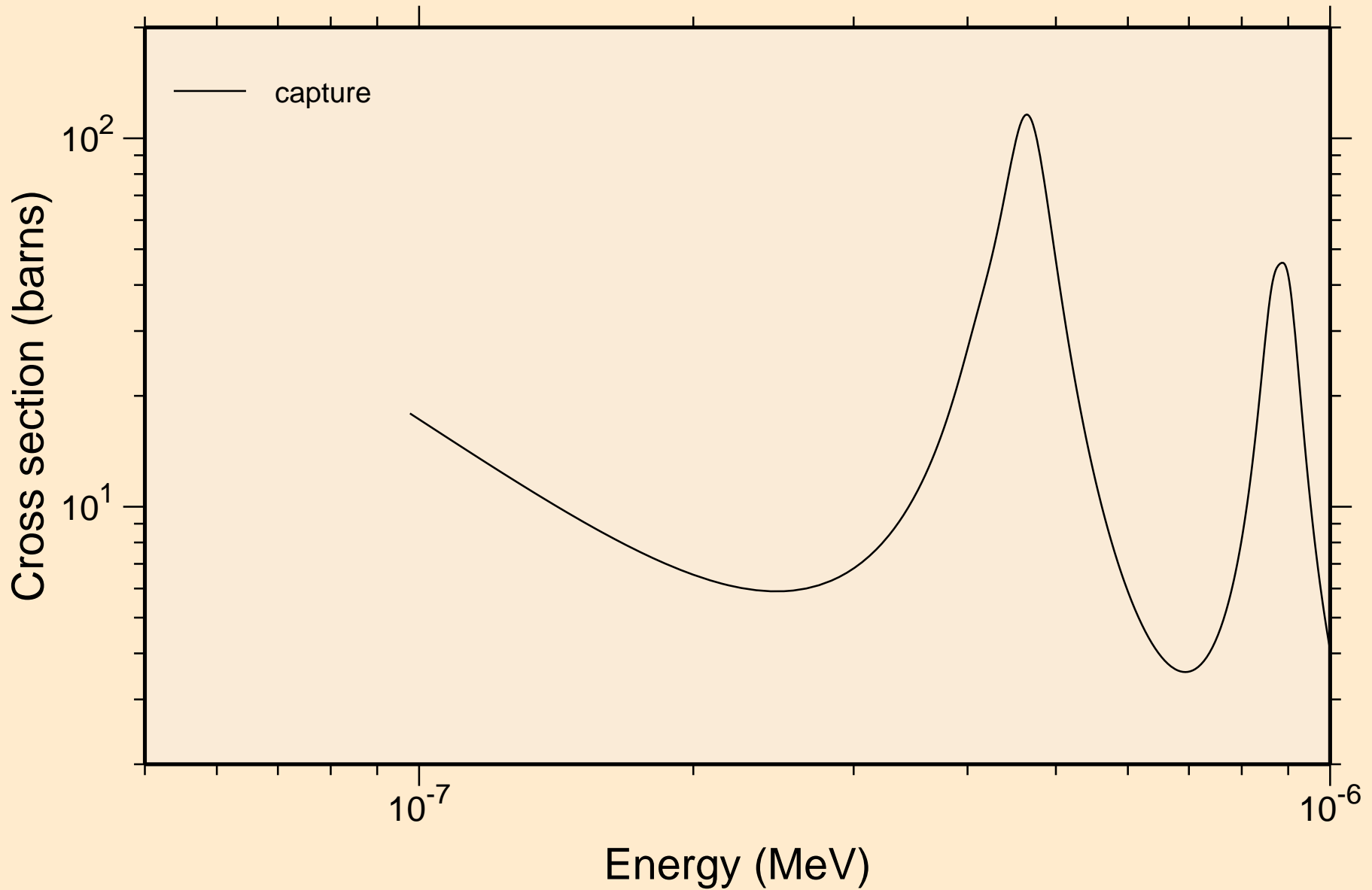
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



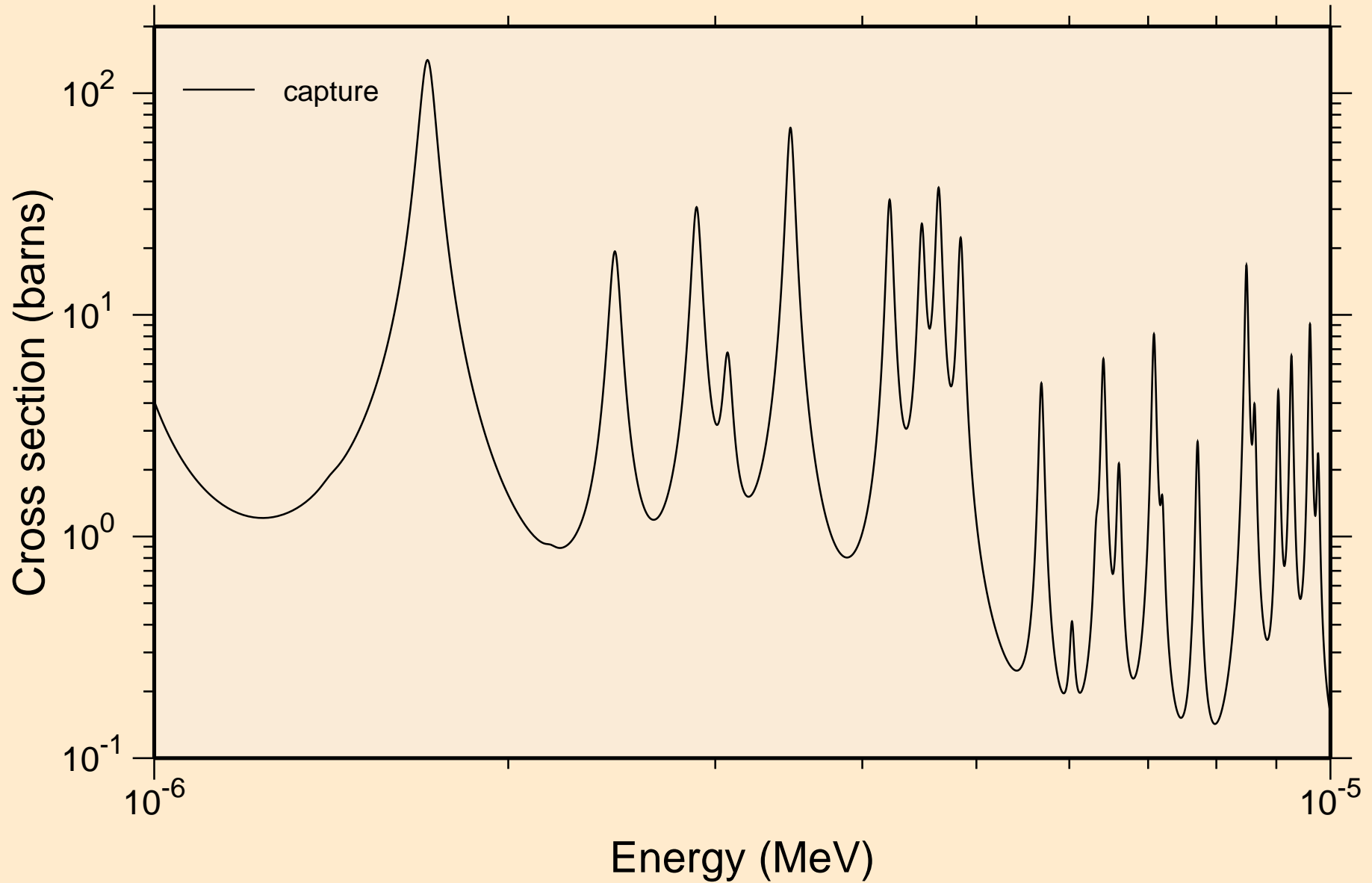
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



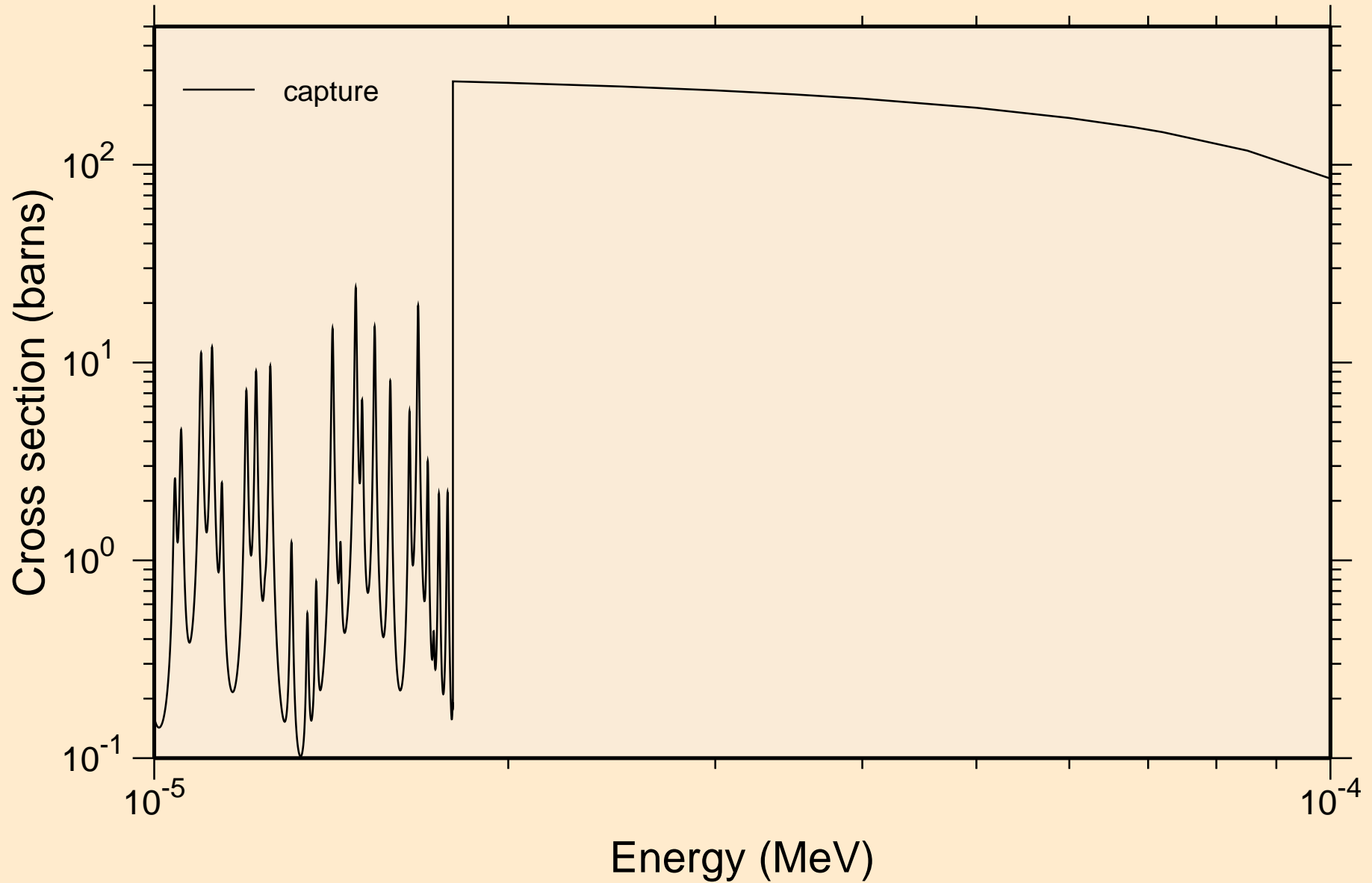
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

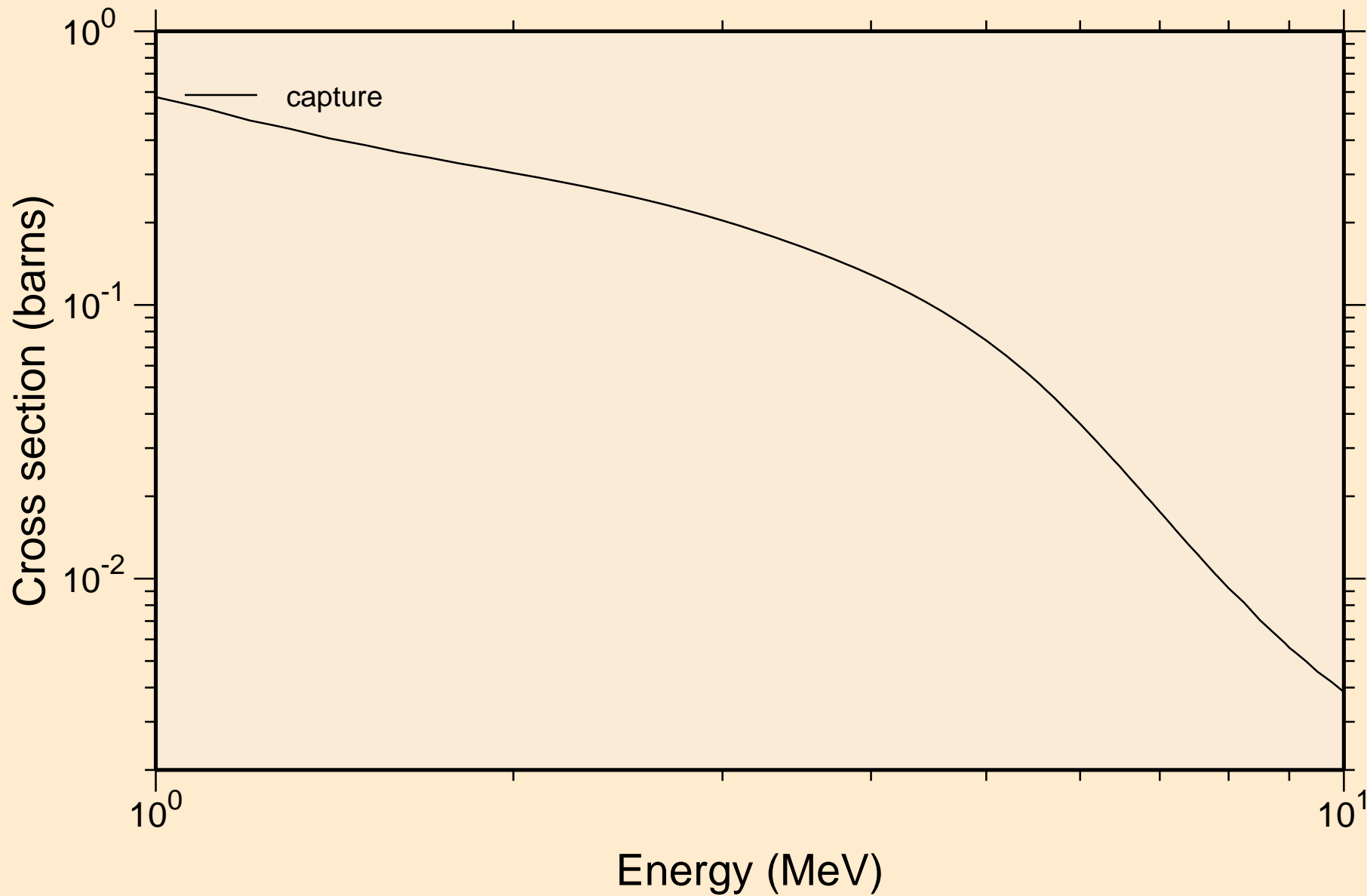


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

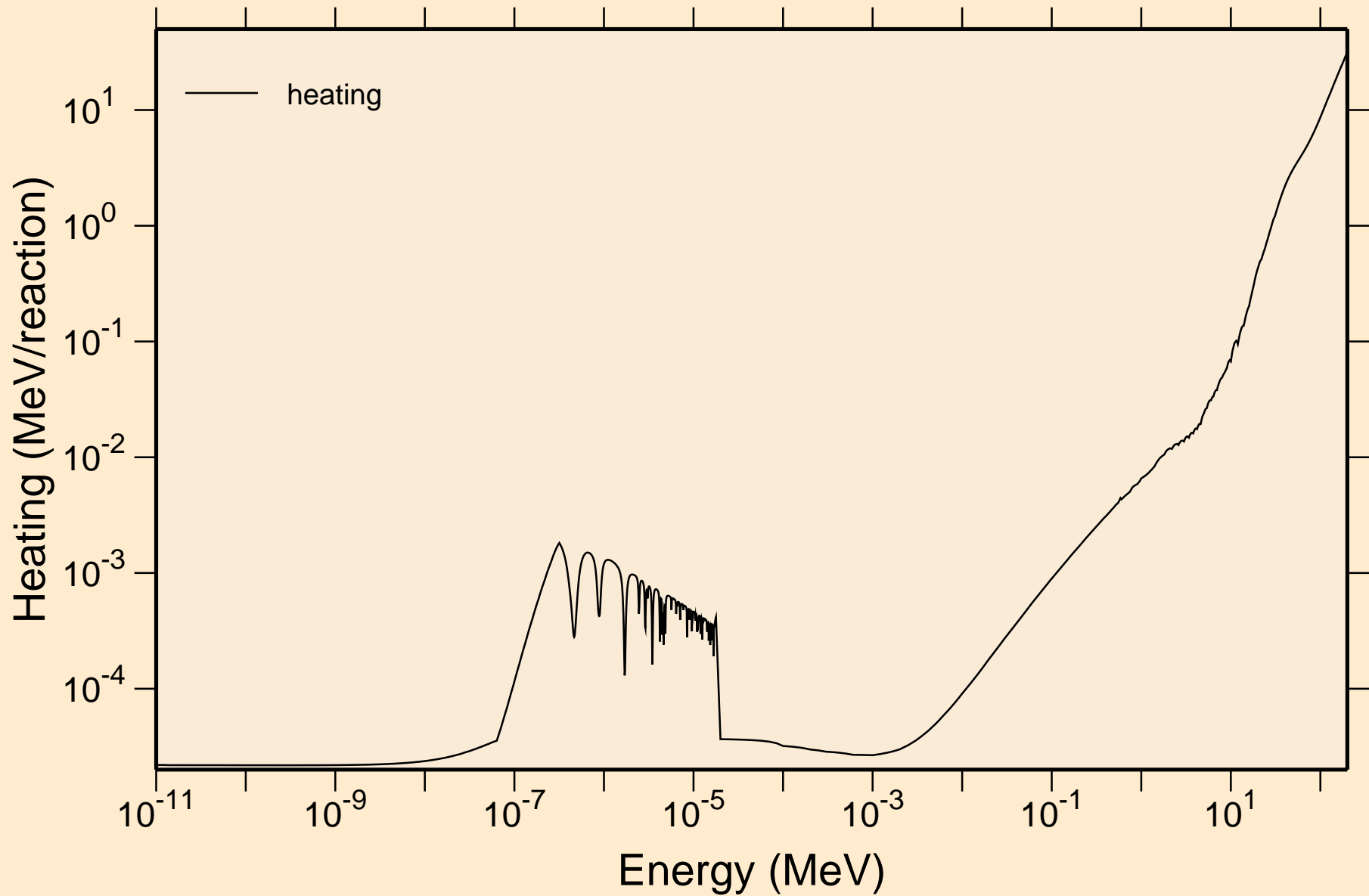




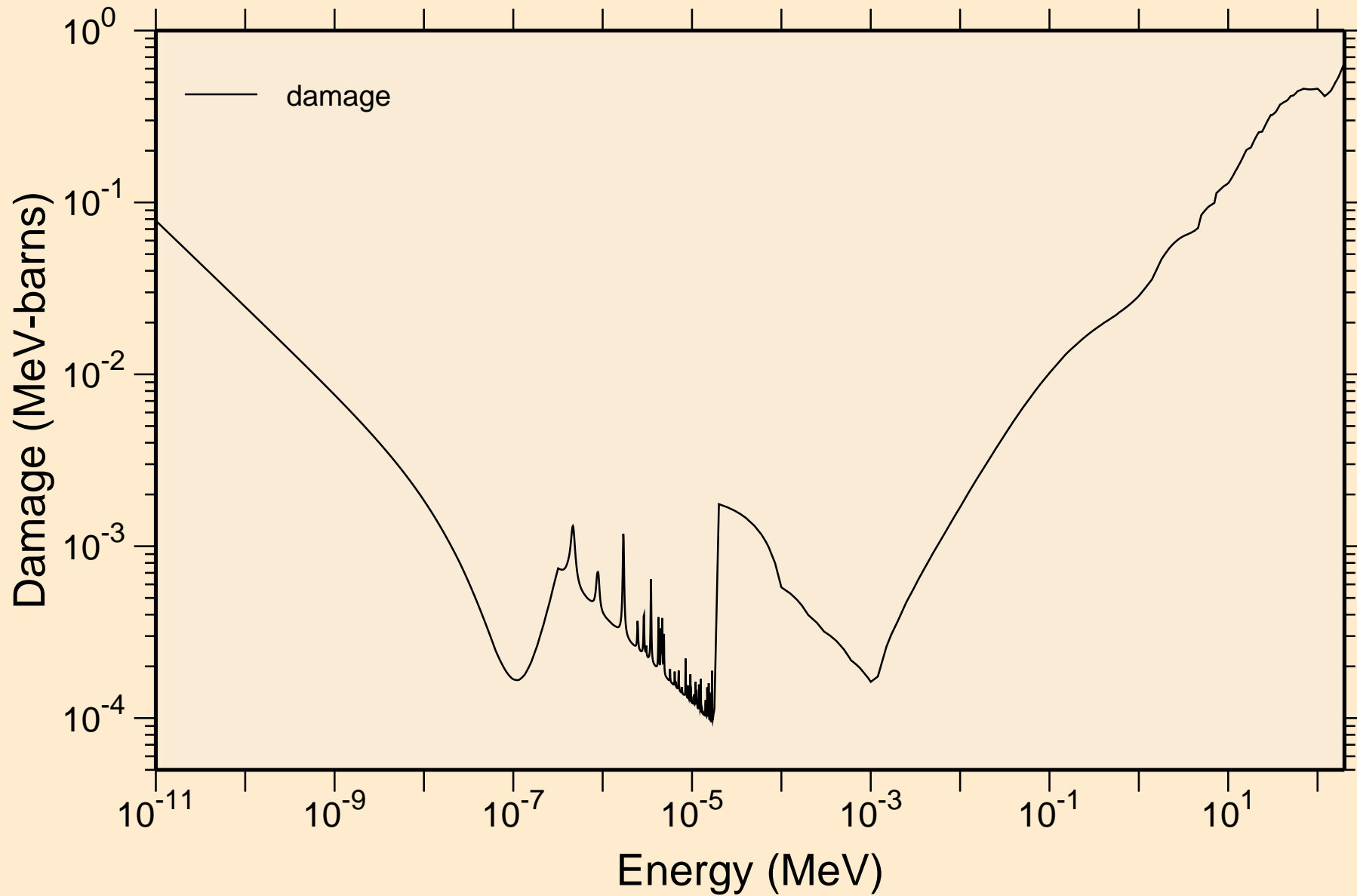
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

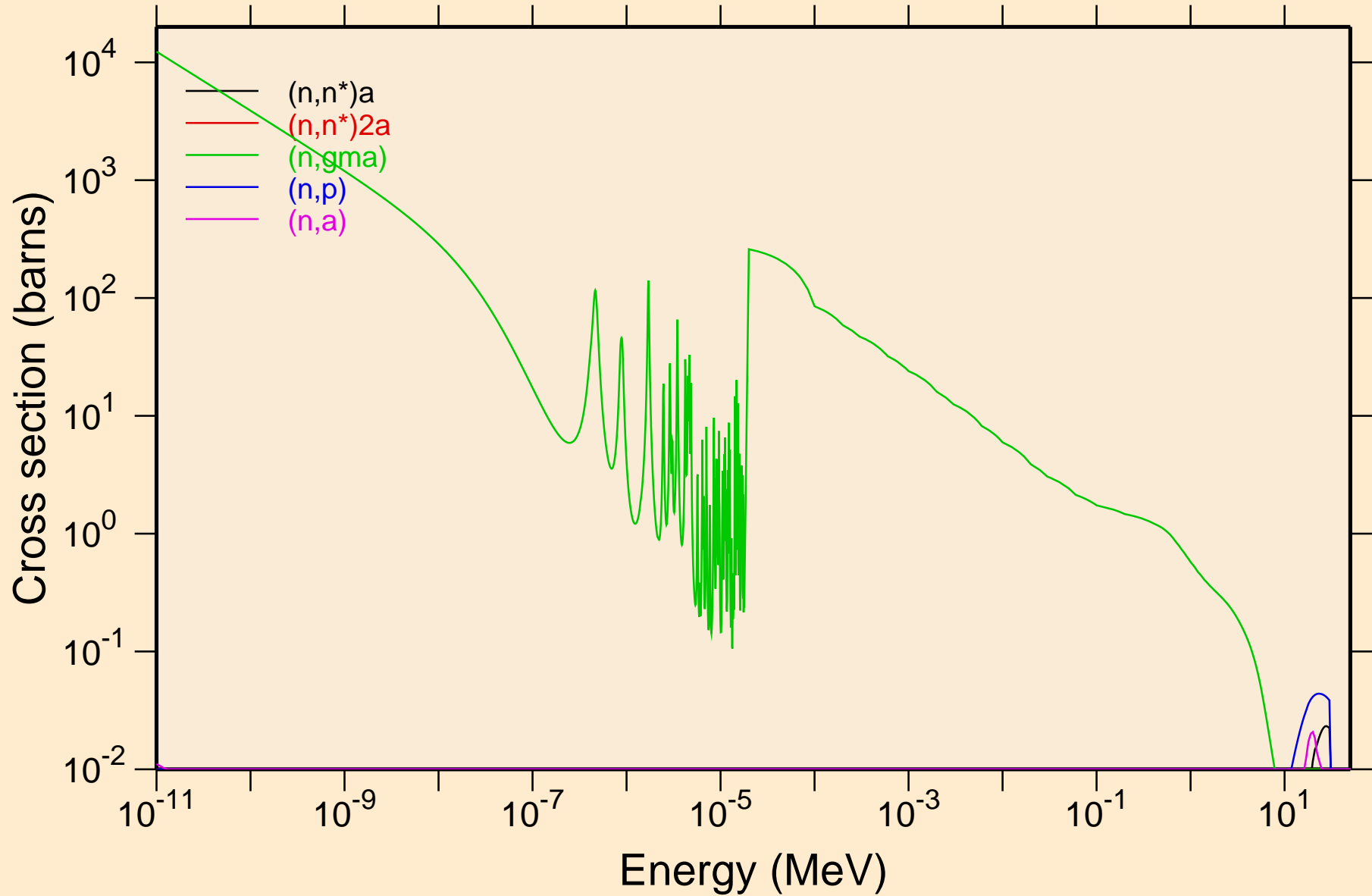


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

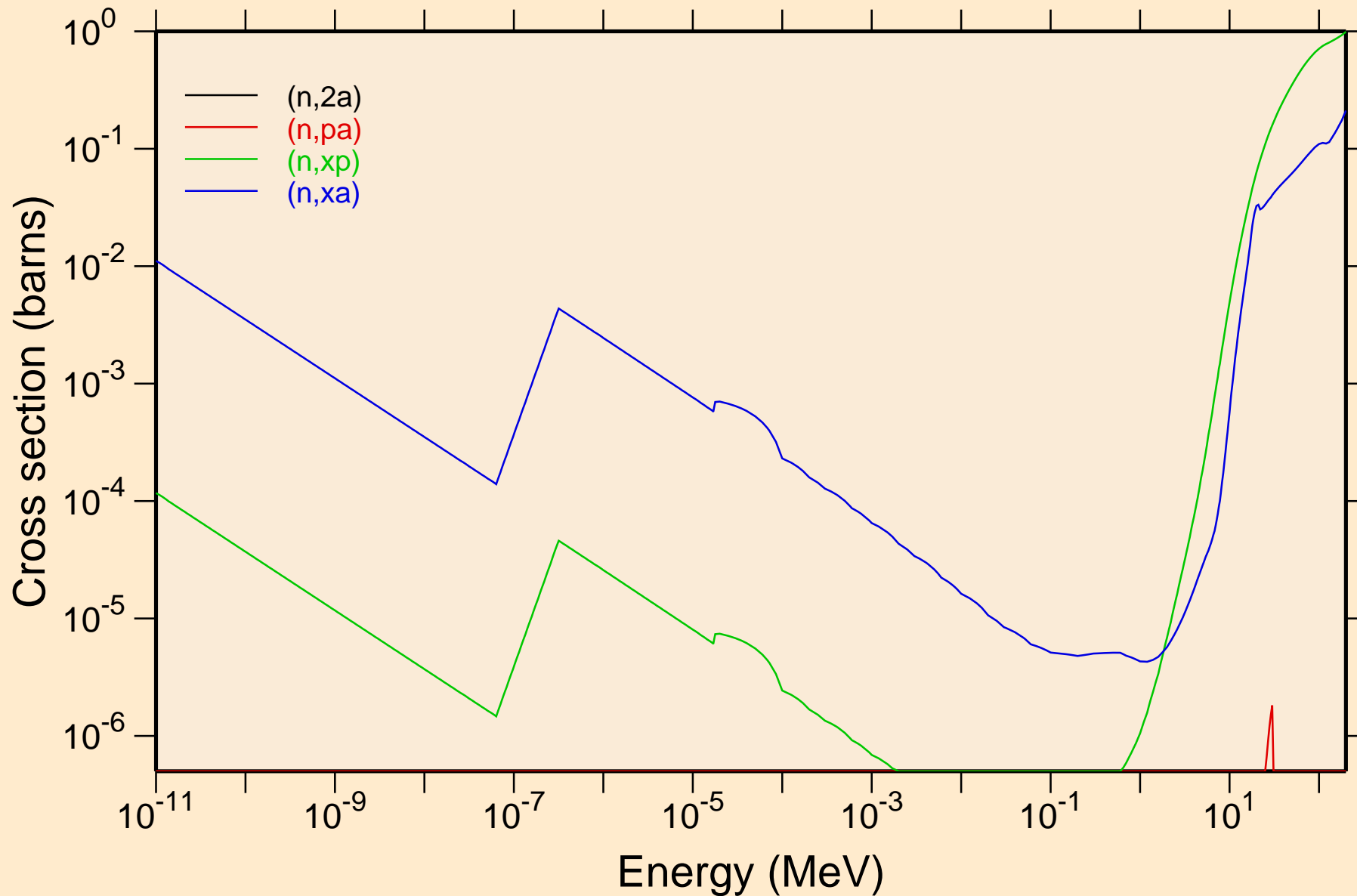


# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

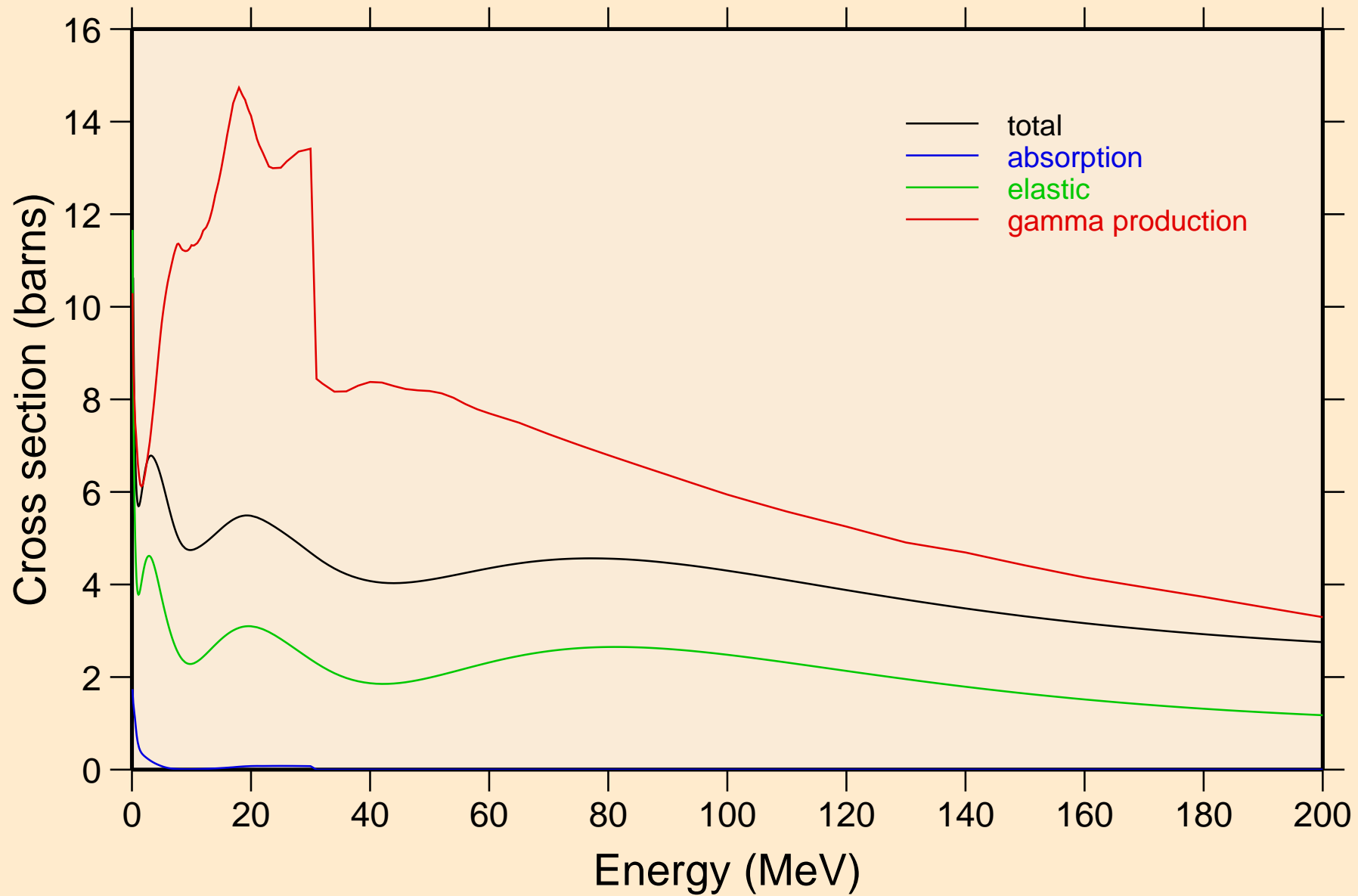


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



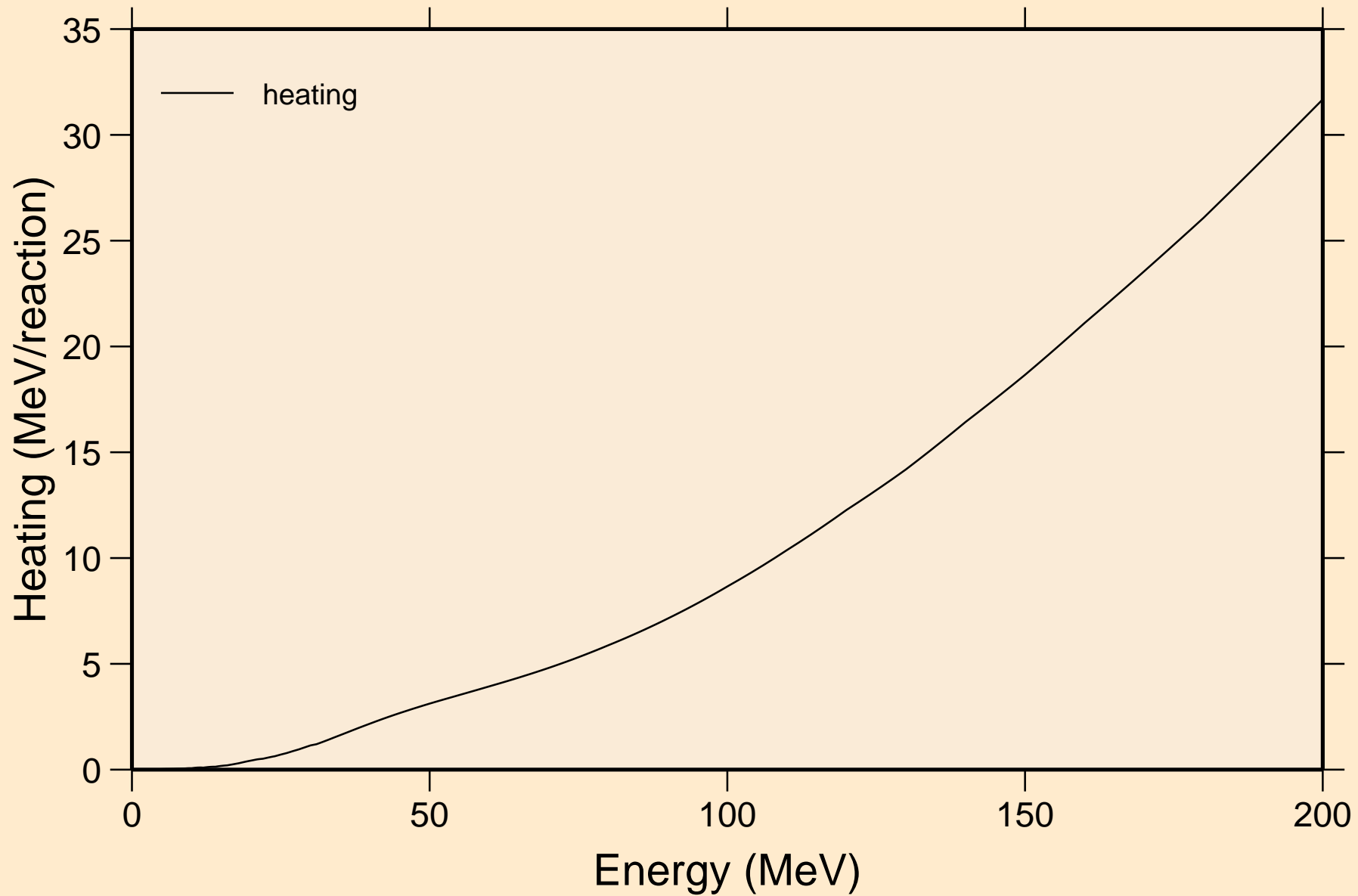
# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



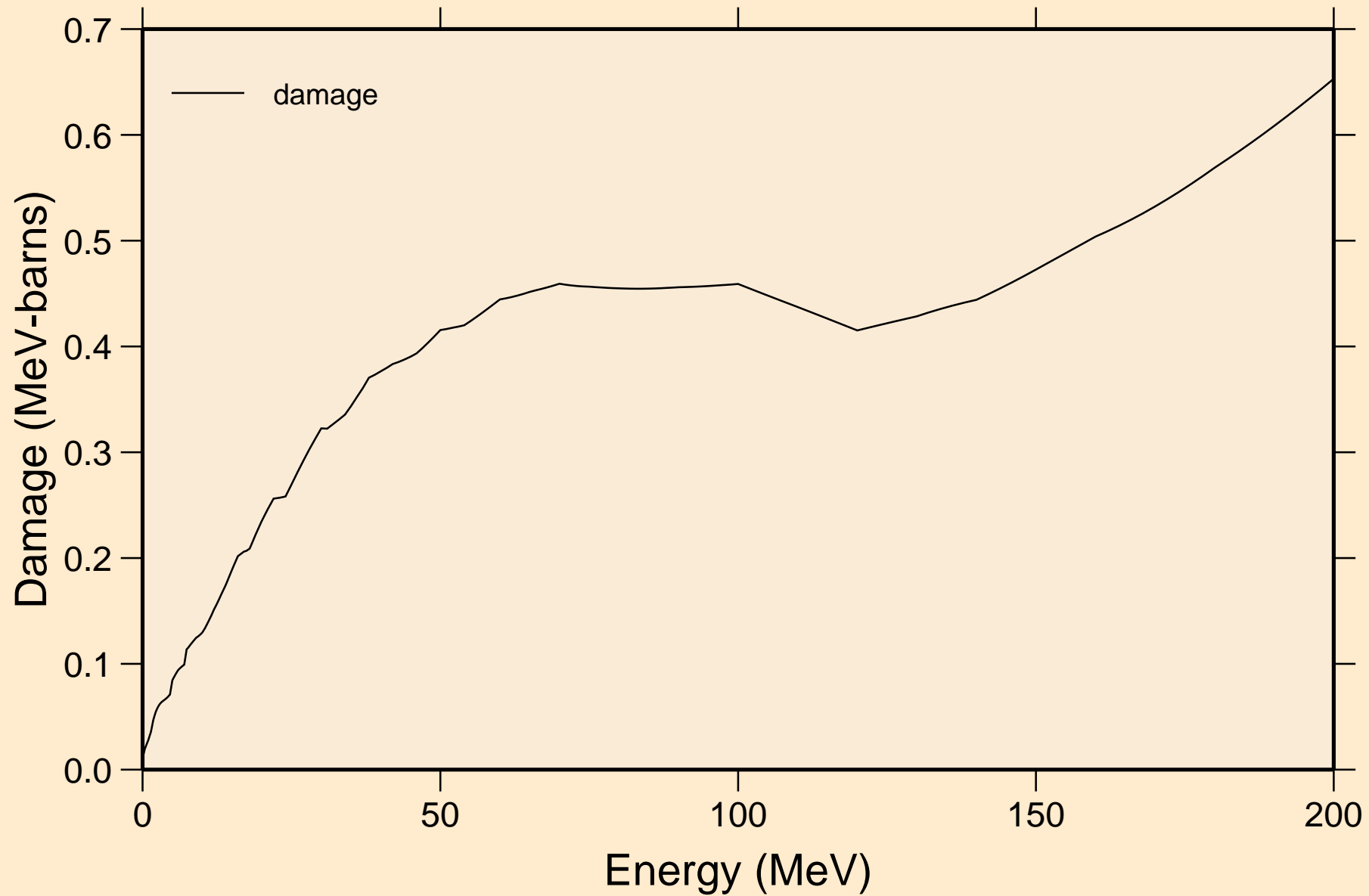
# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

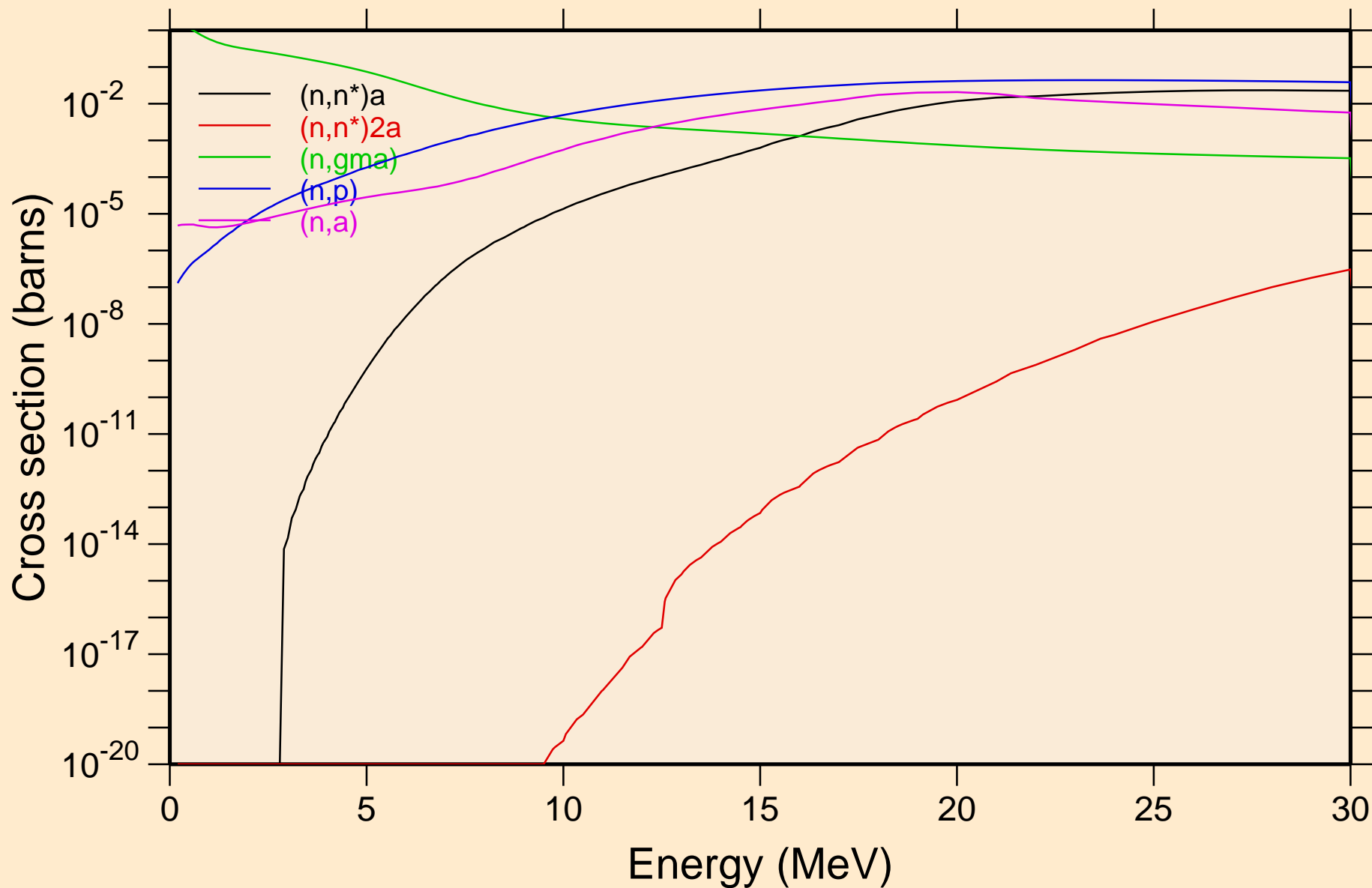
## Damage



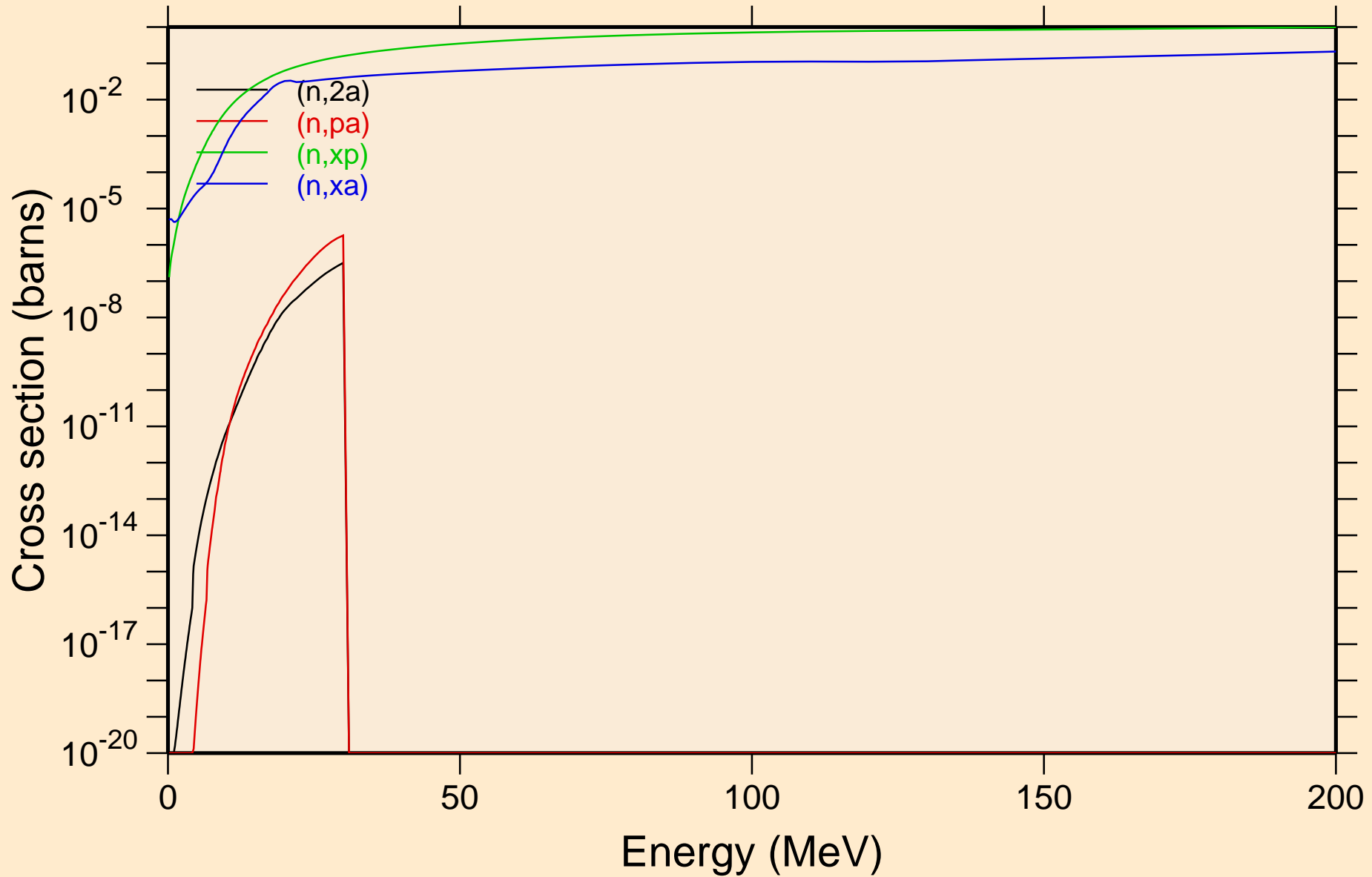


# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

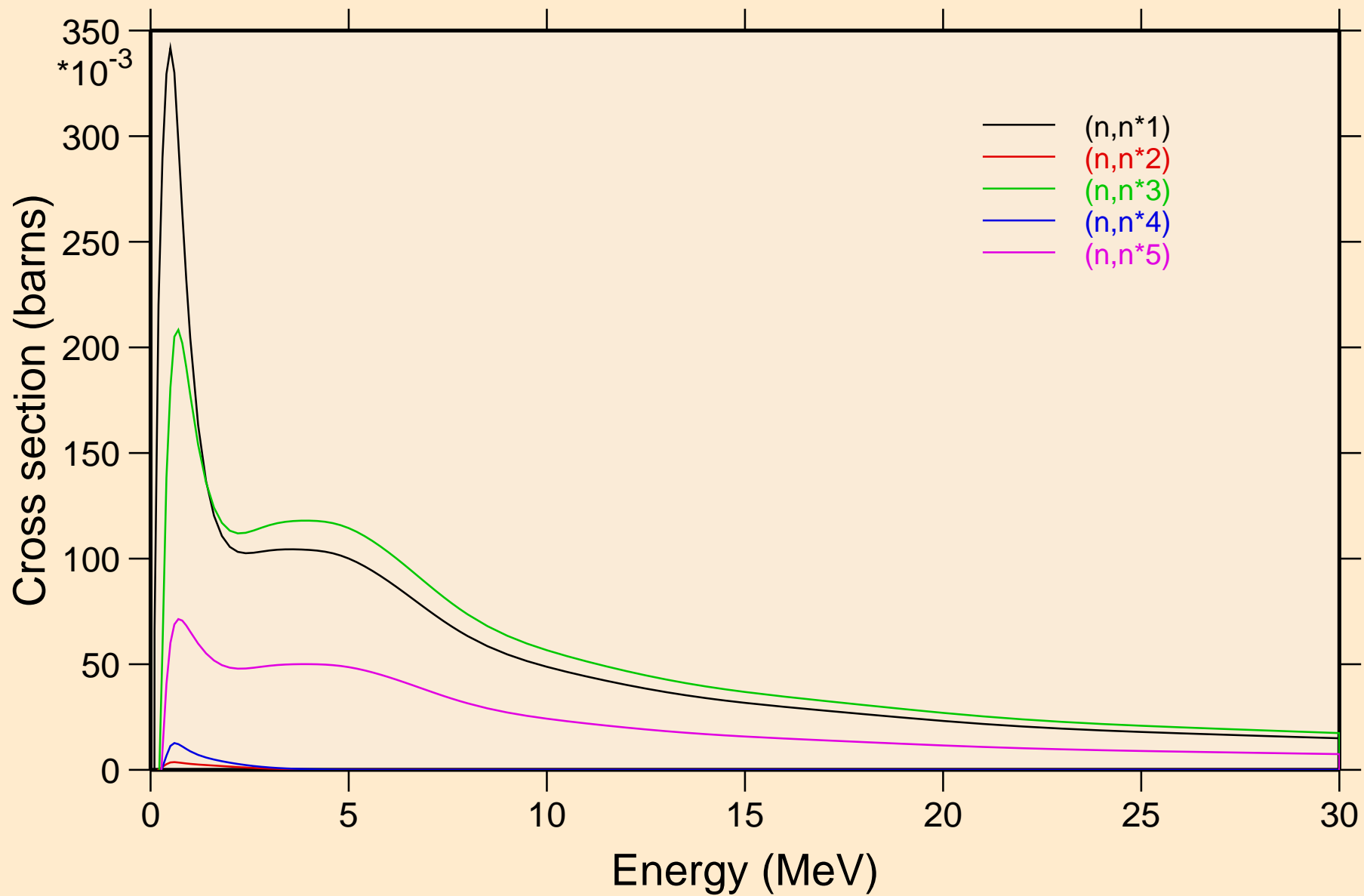


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



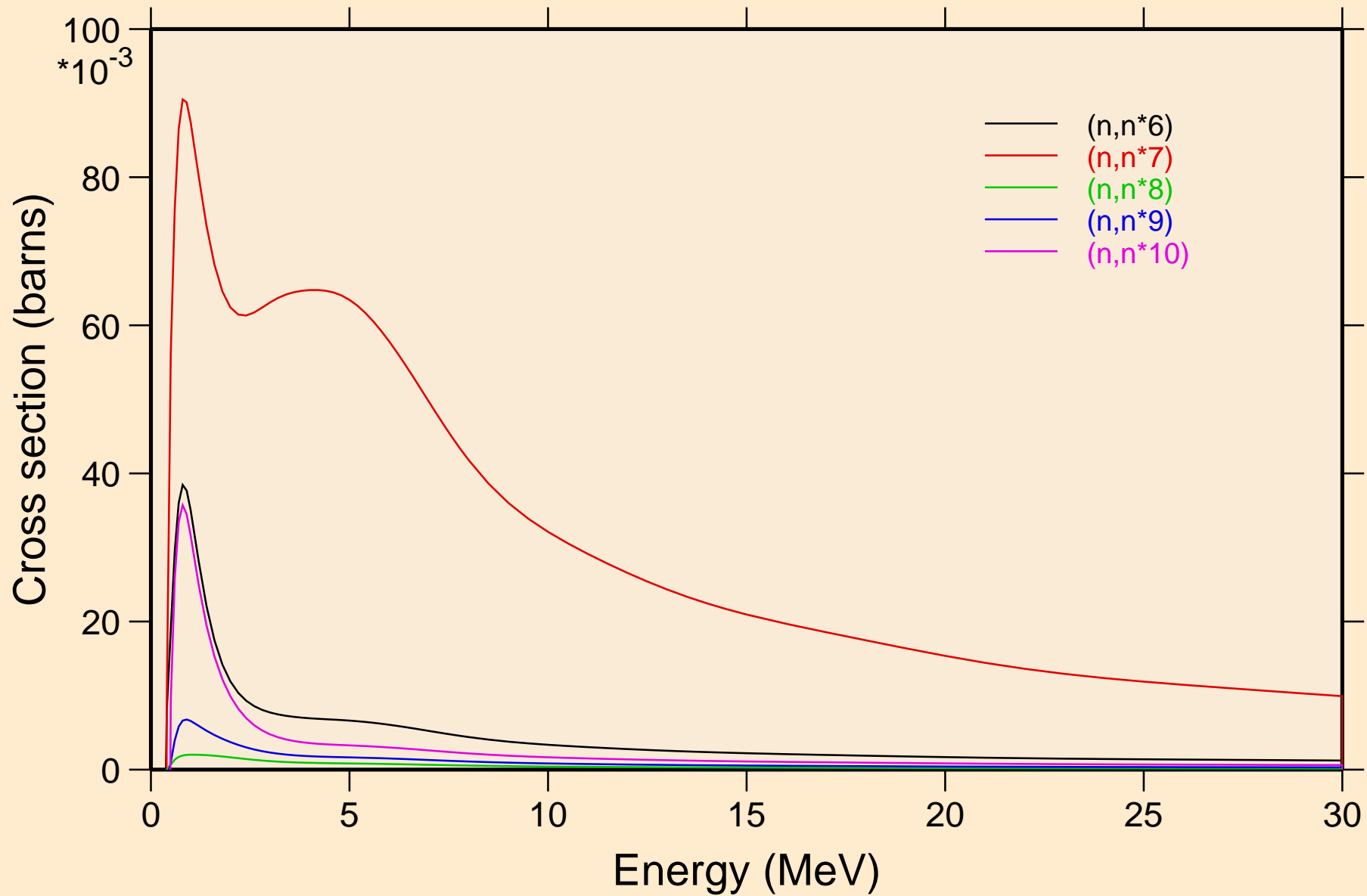
# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

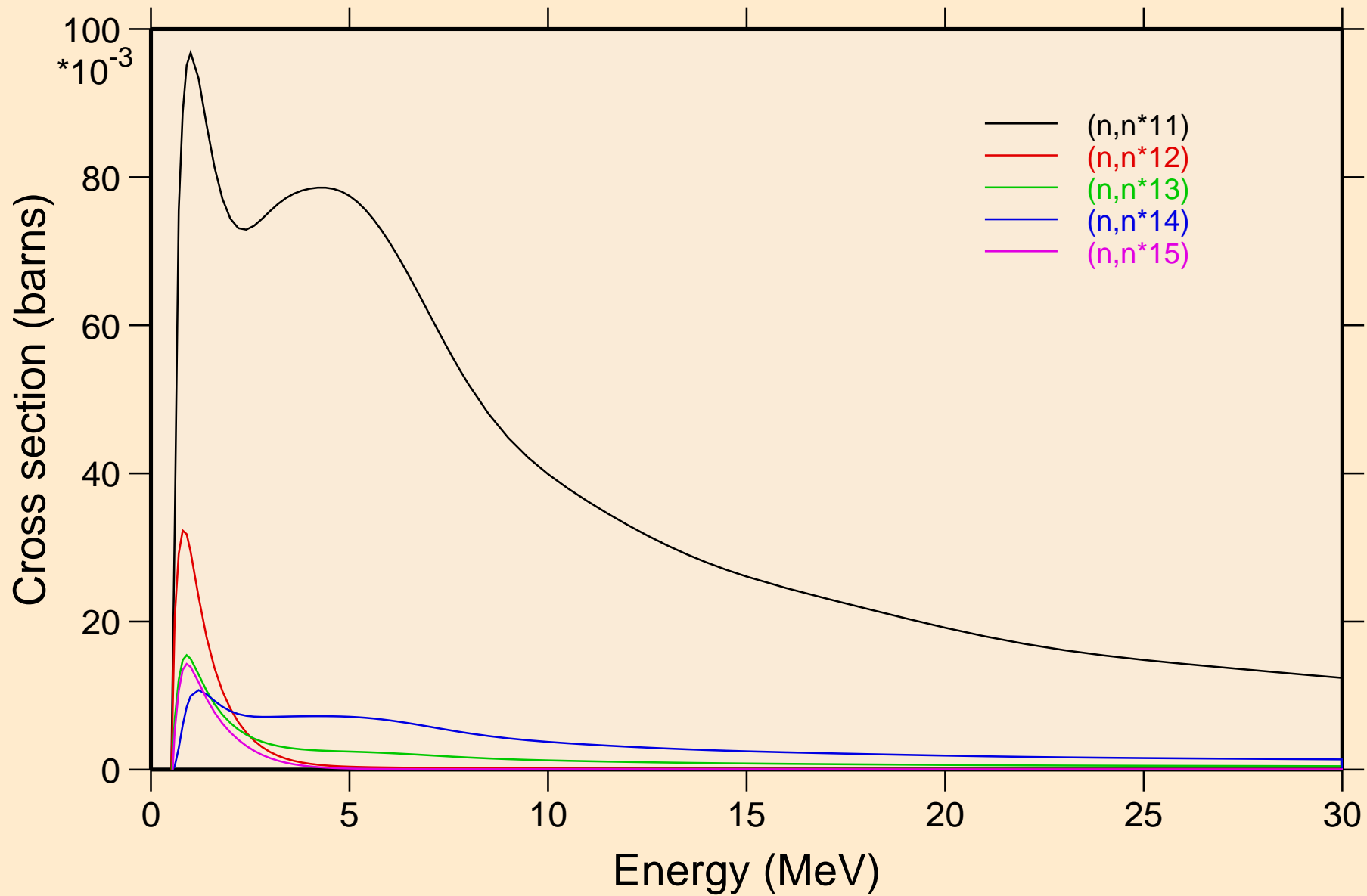


# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

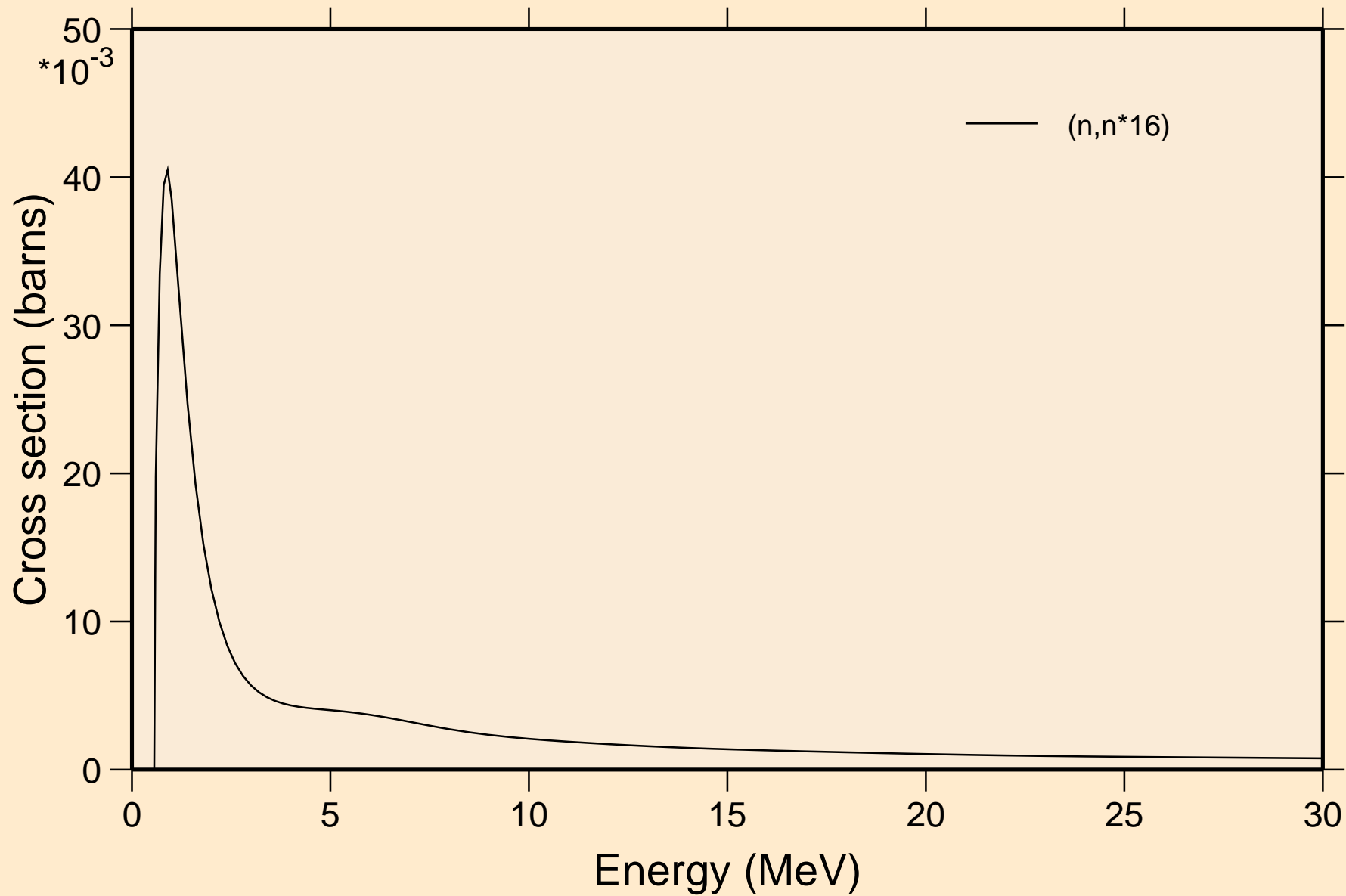
## Inelastic levels



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

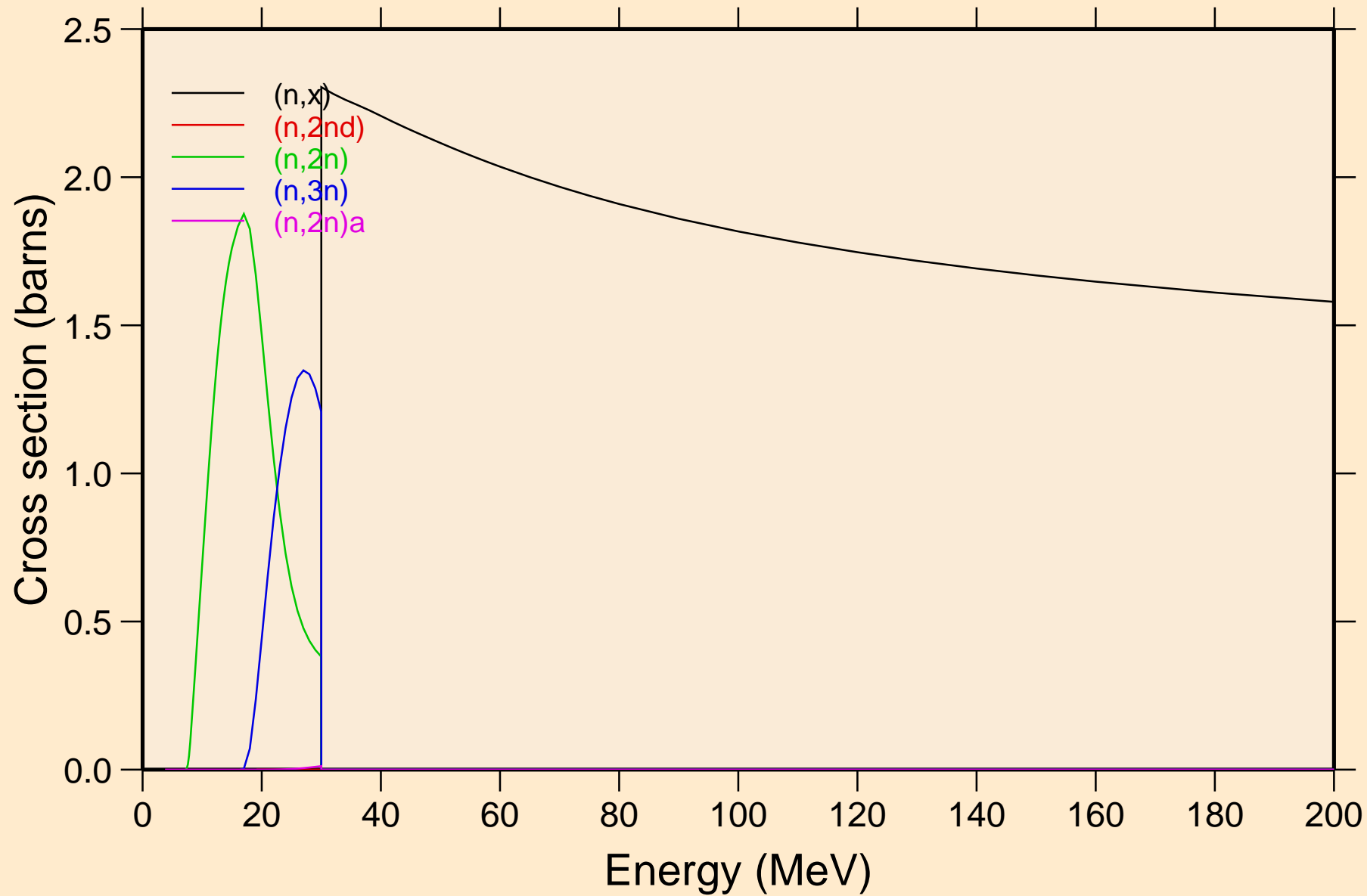


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



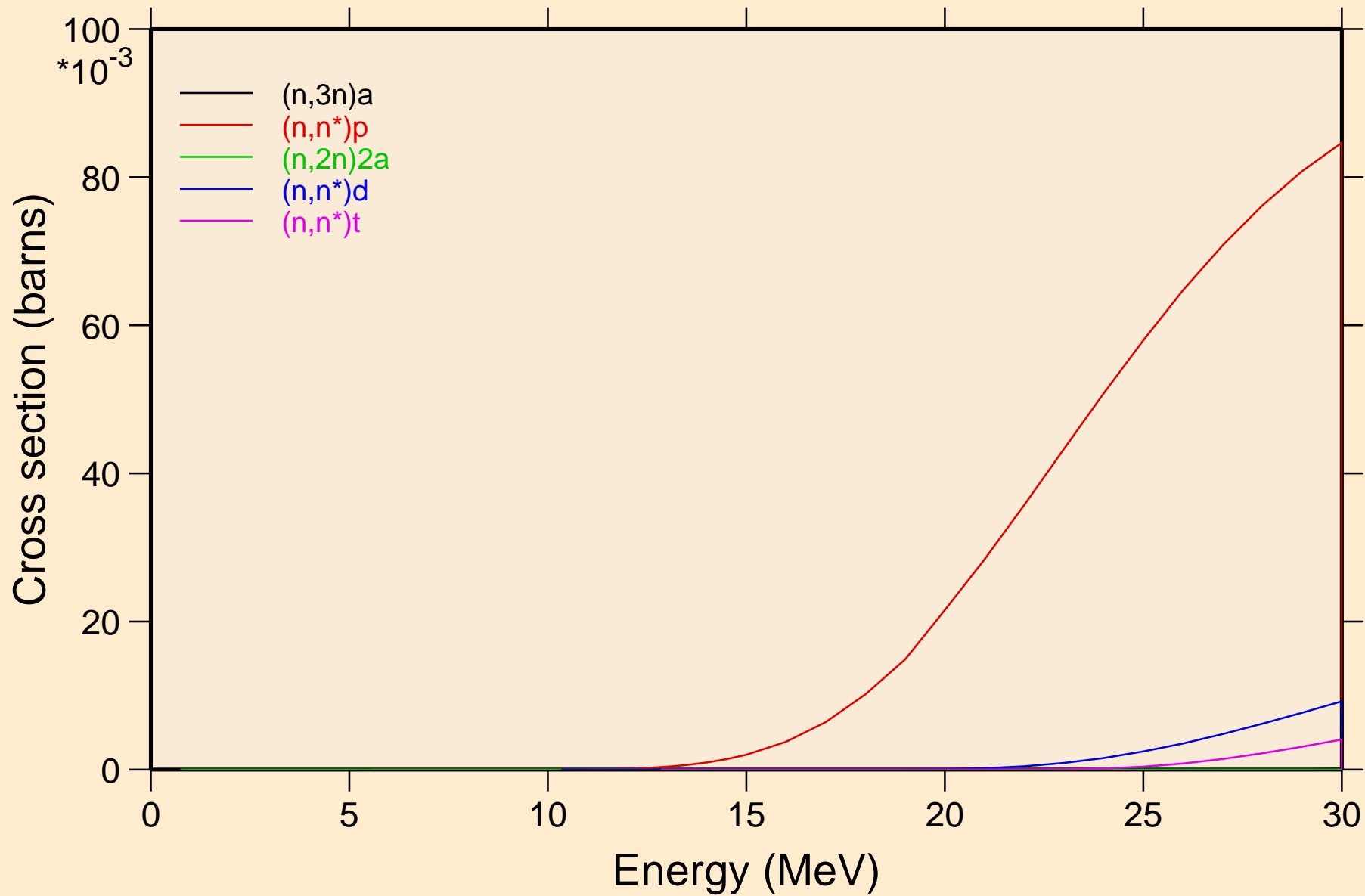
# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

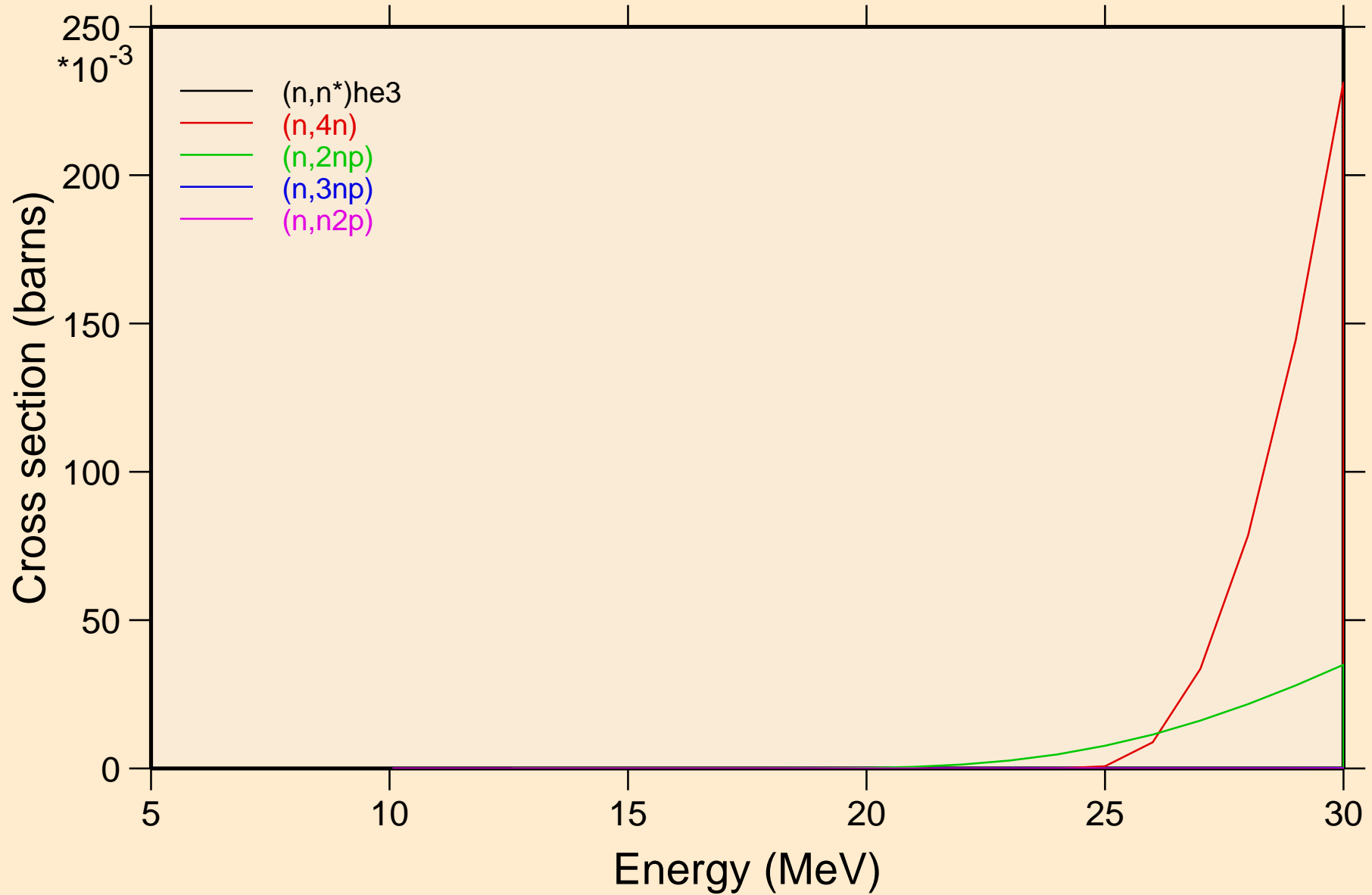
## Threshold reactions





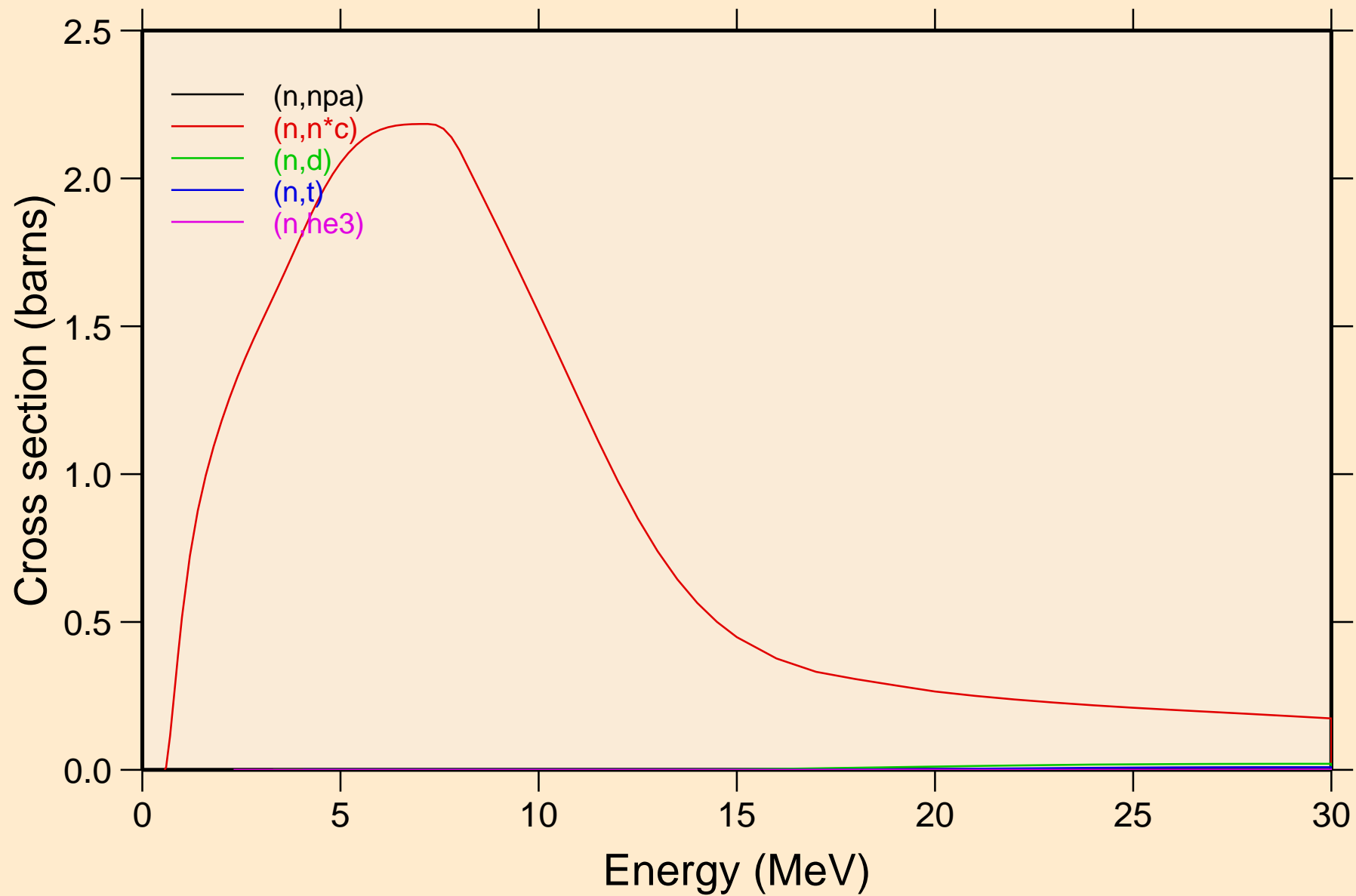
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## Threshold reactions

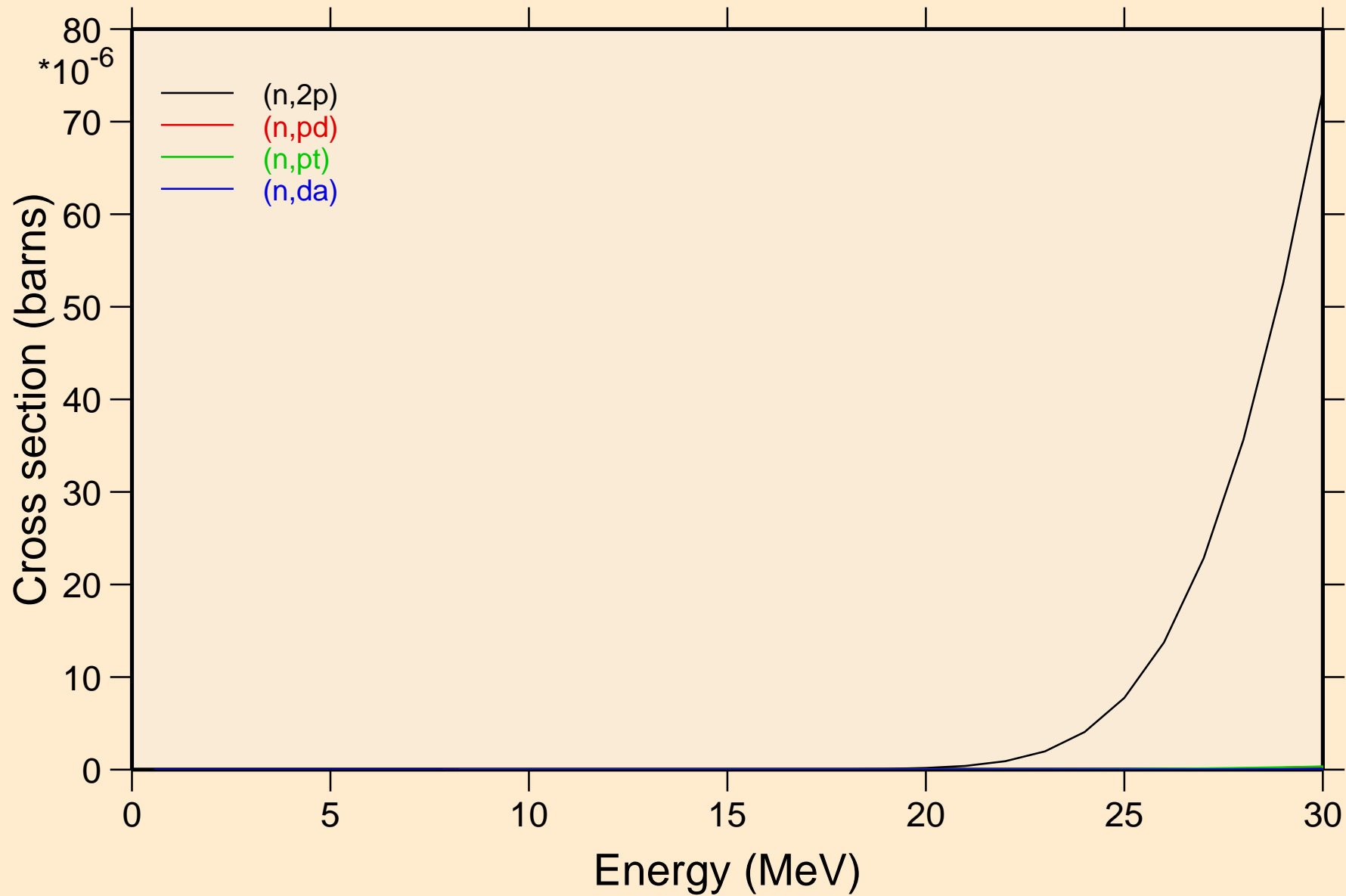


# OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

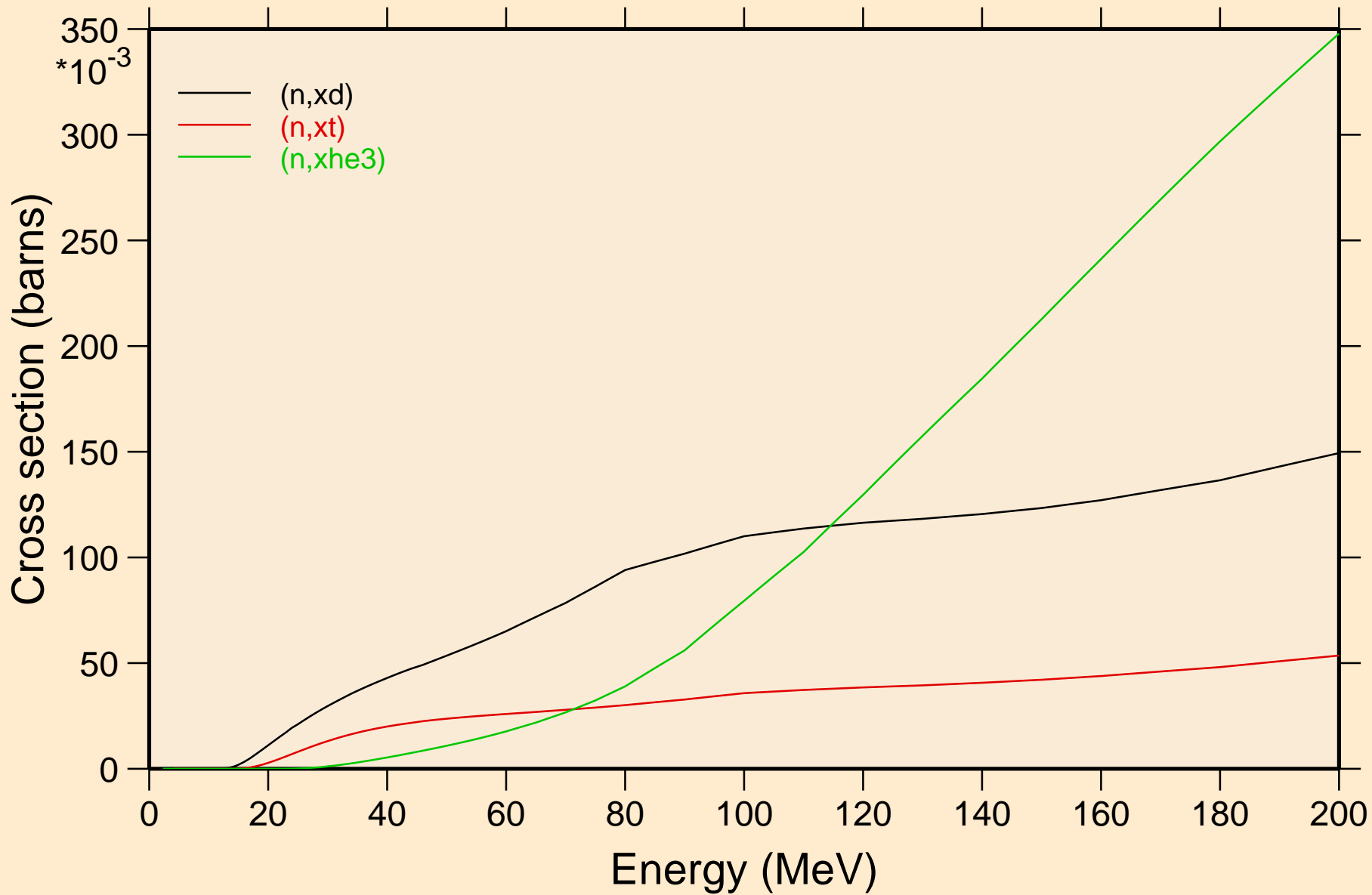


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

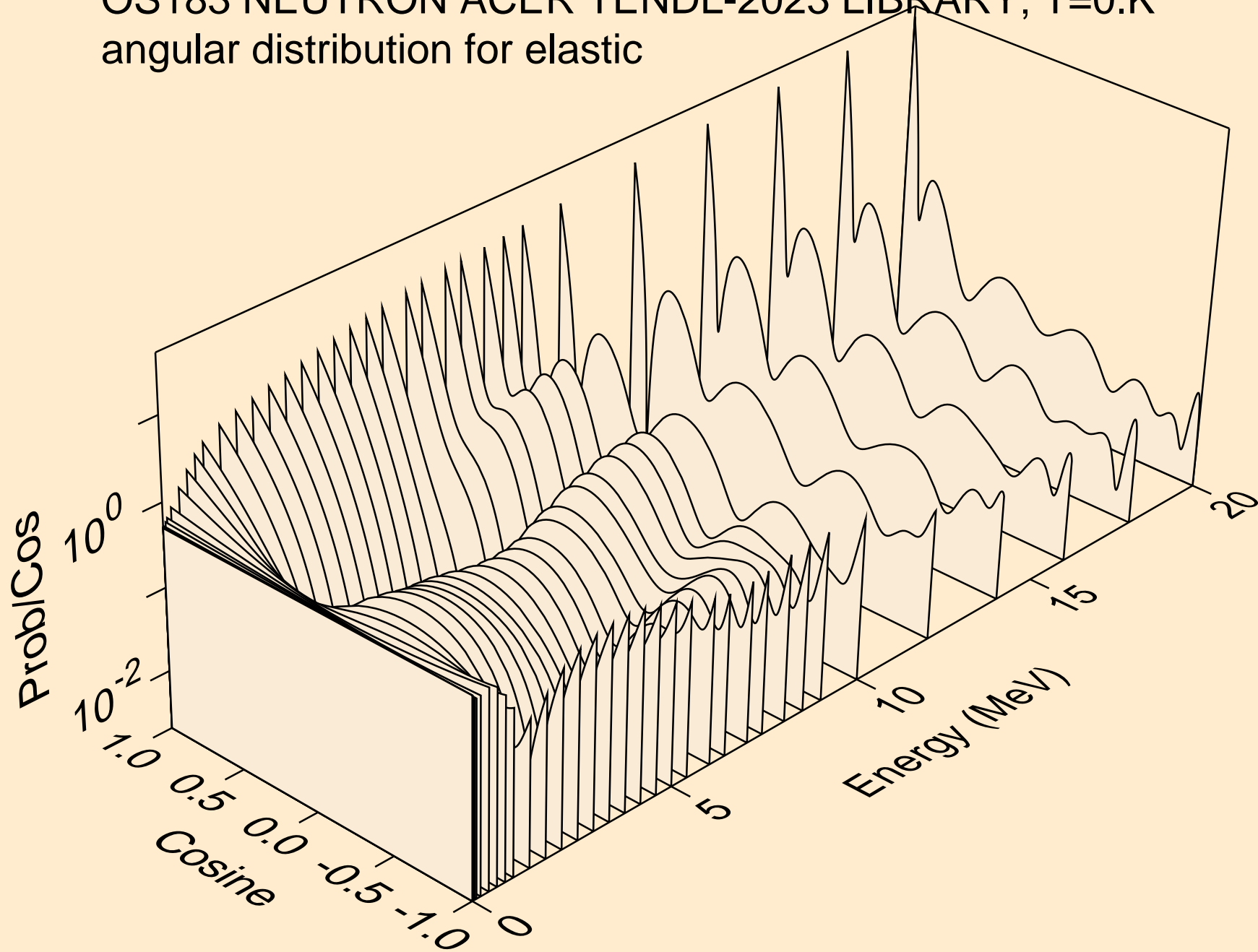


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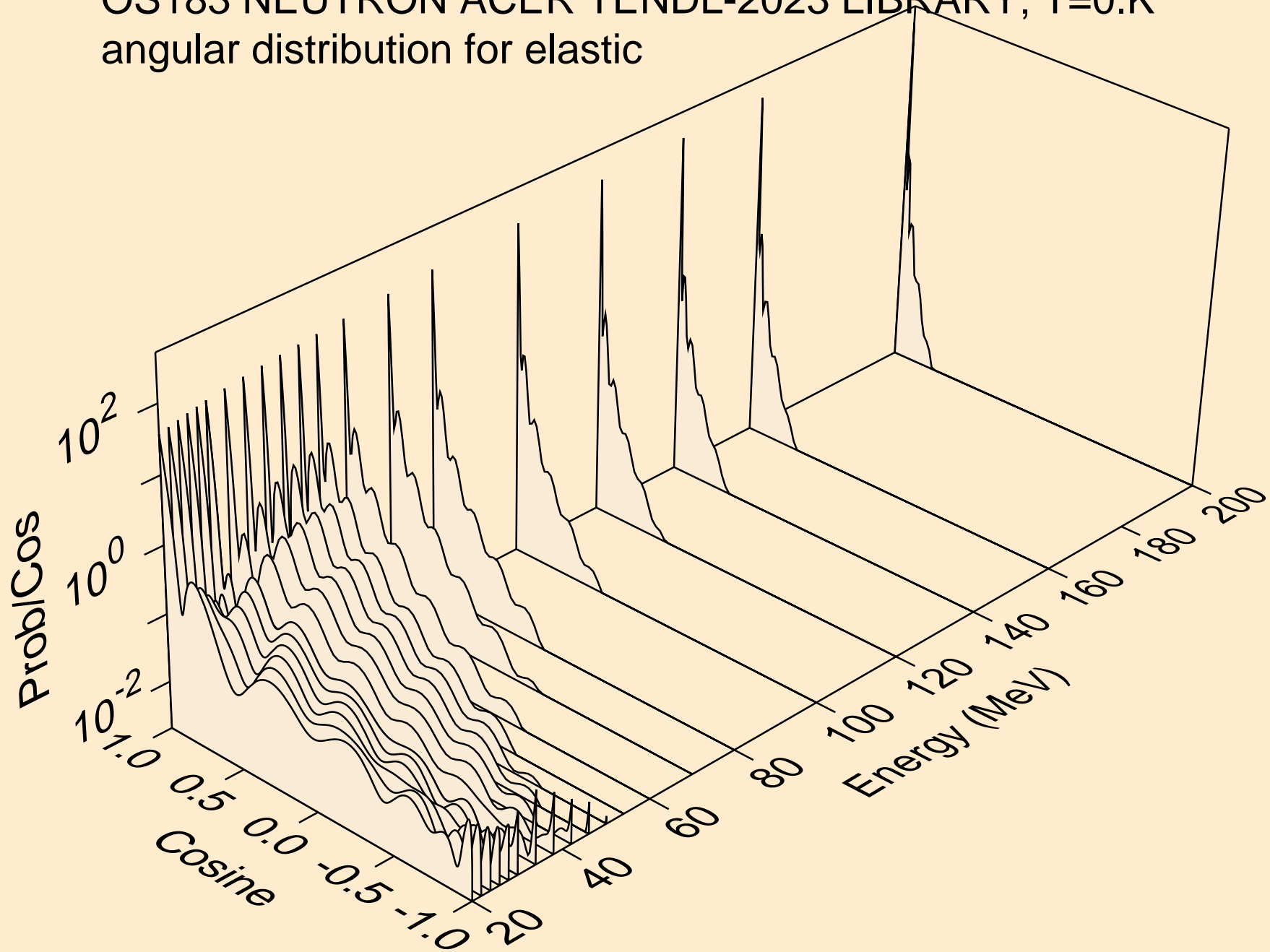
## Threshold reactions



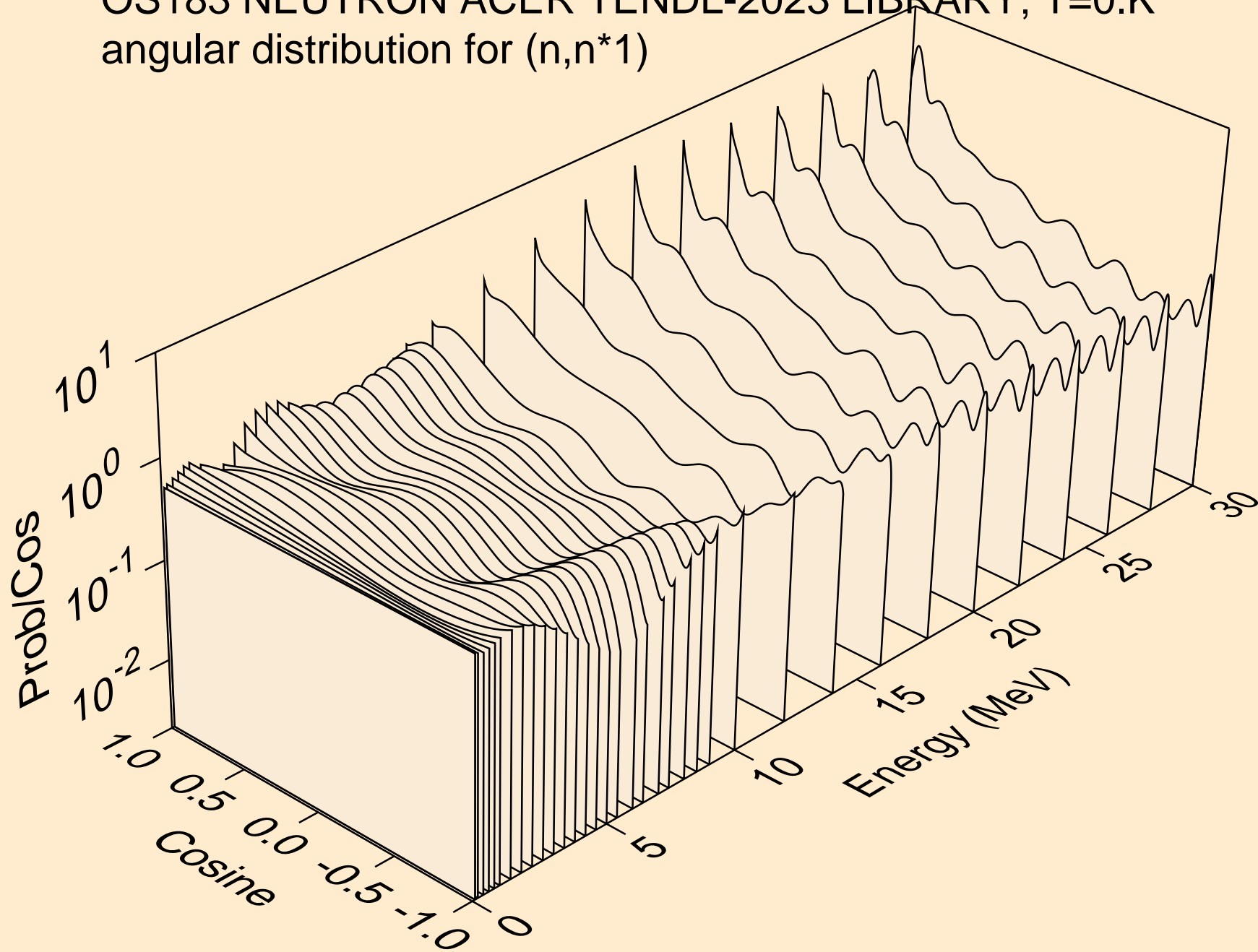
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



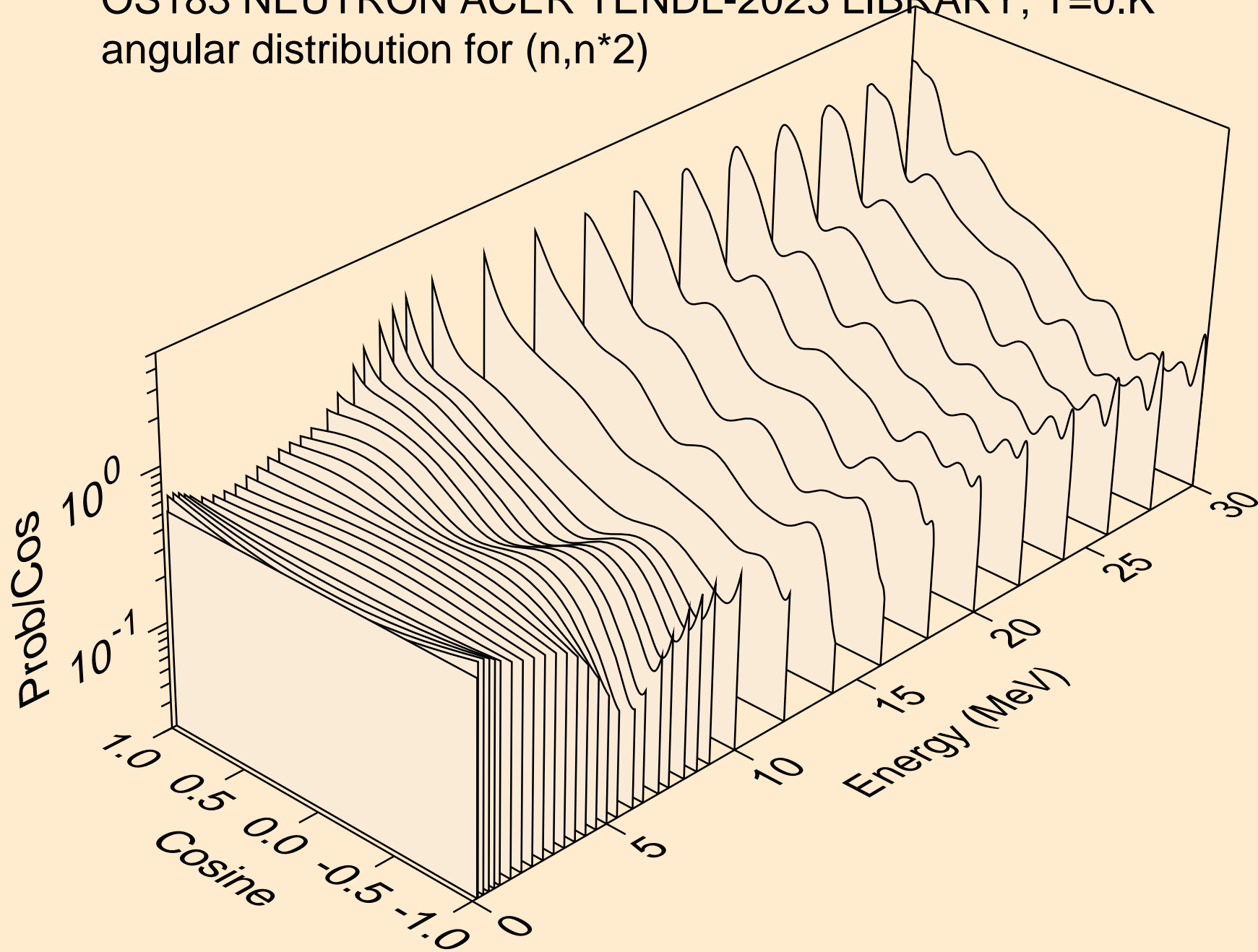
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

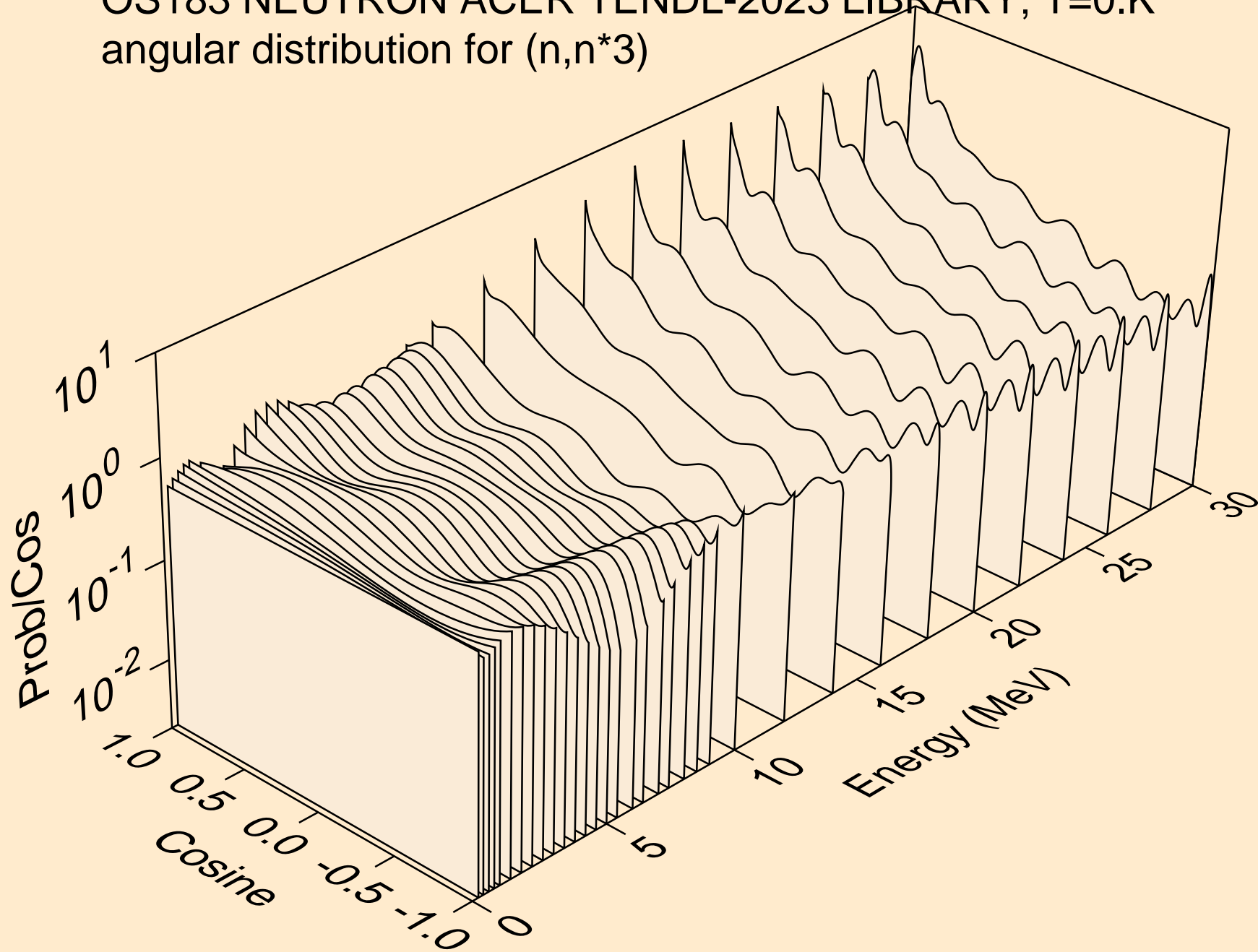


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

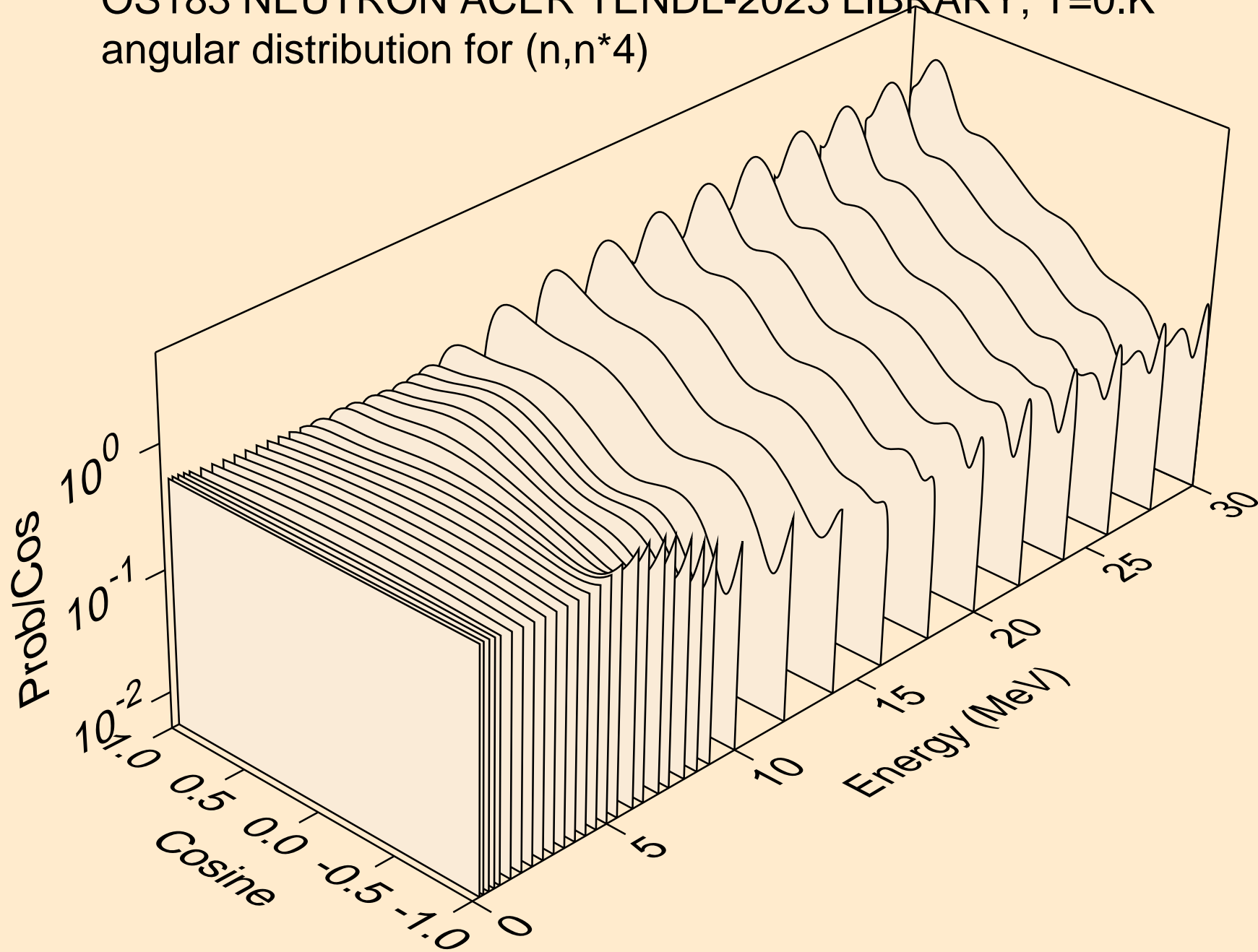




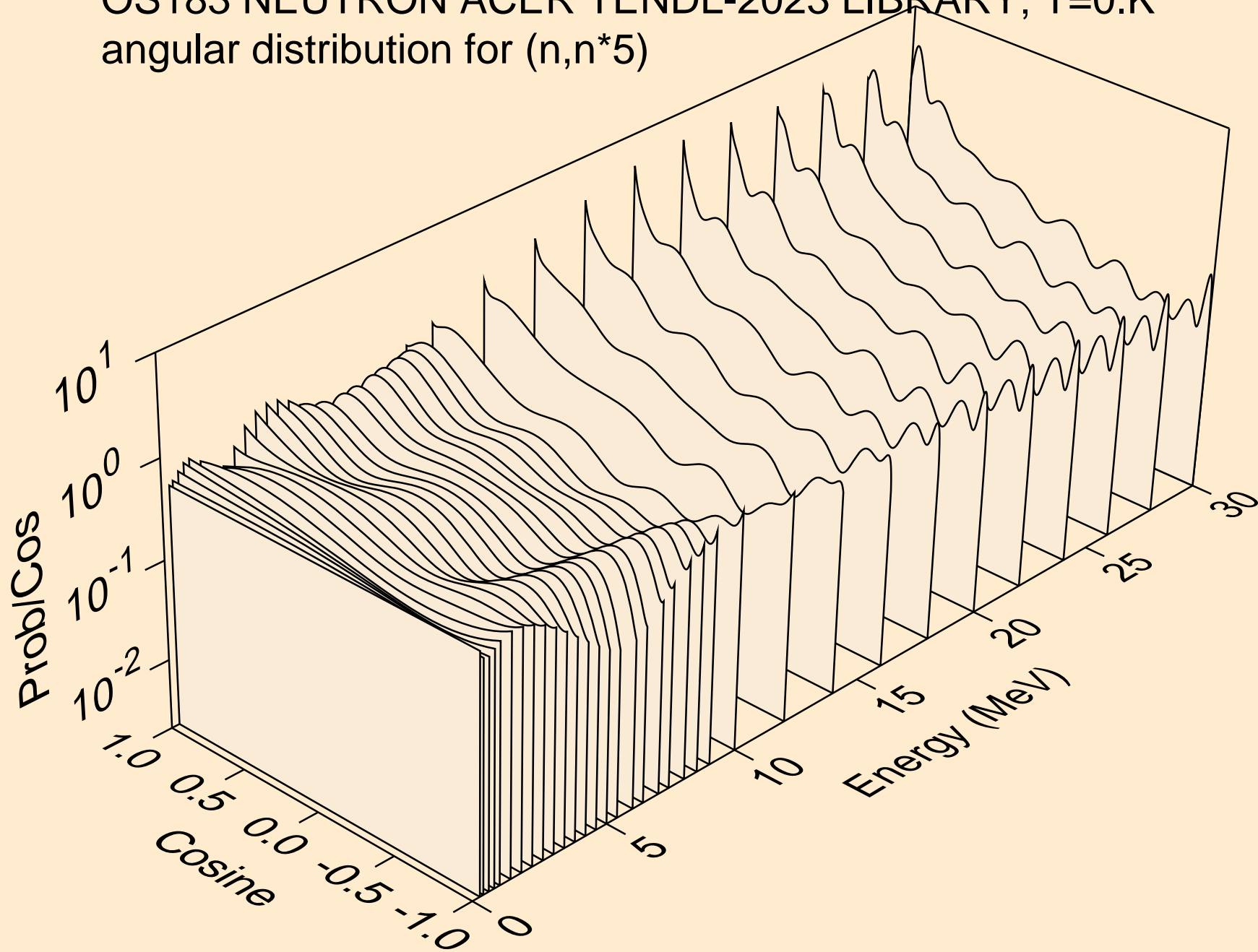
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angular distribution for (n,n\*3)



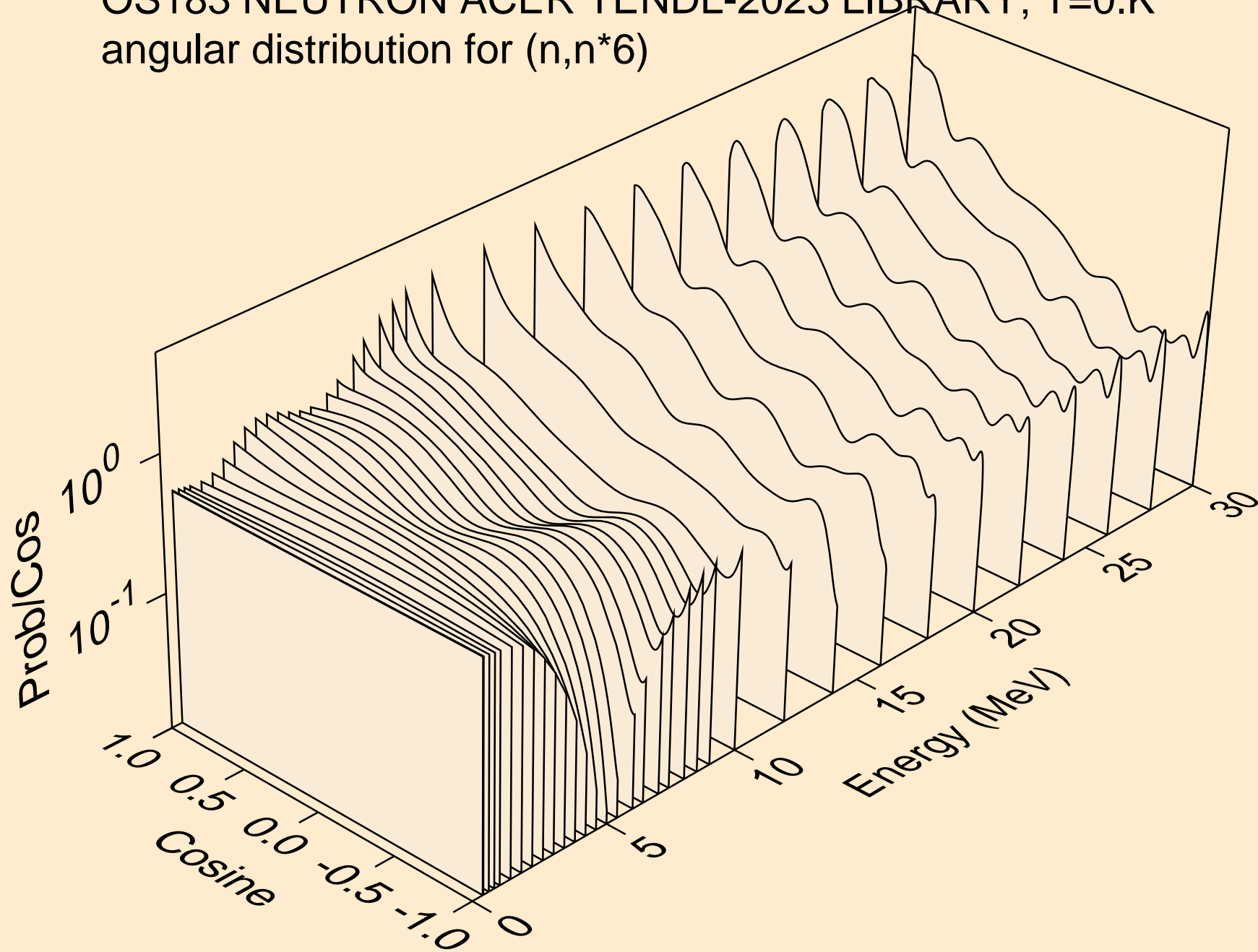
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



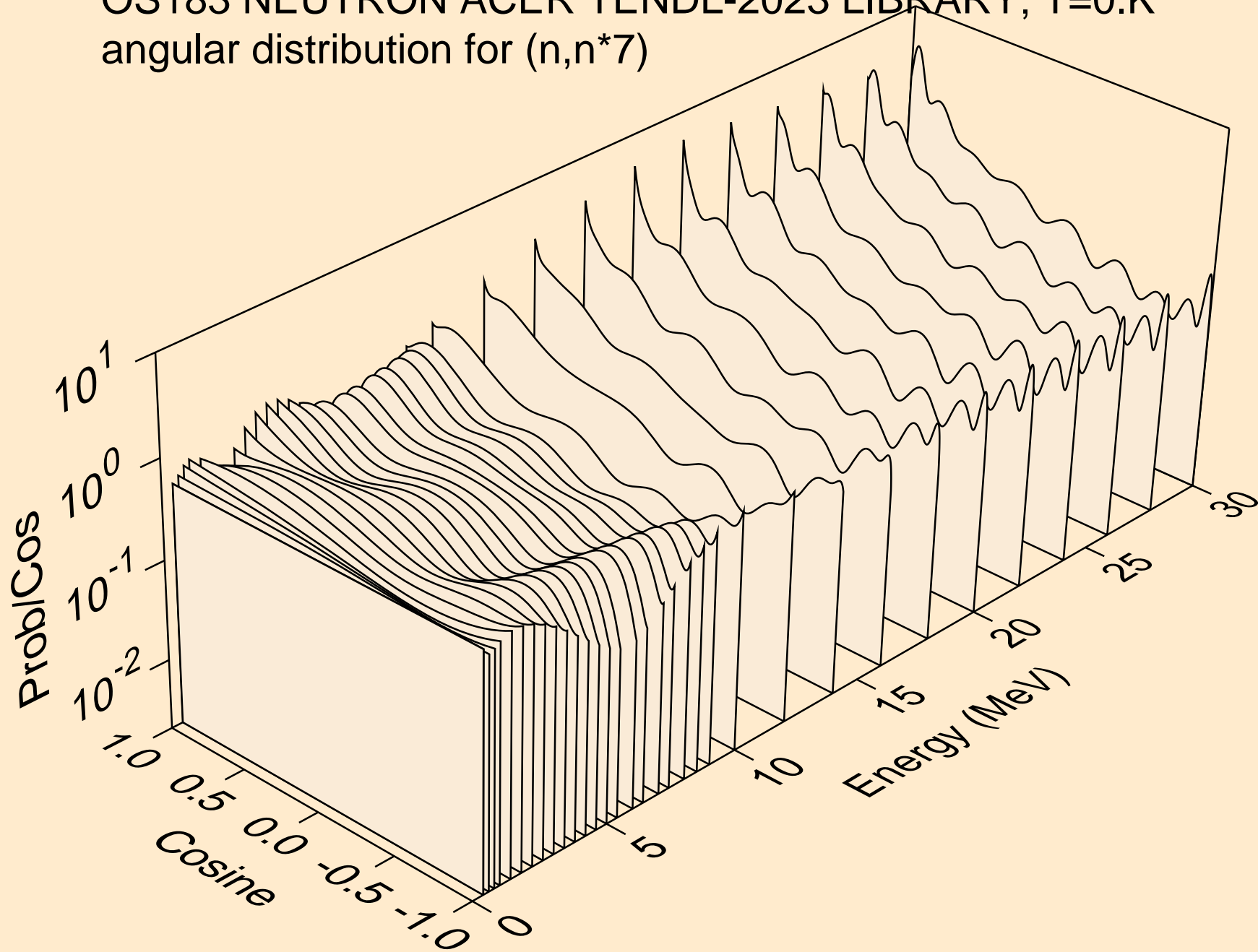
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



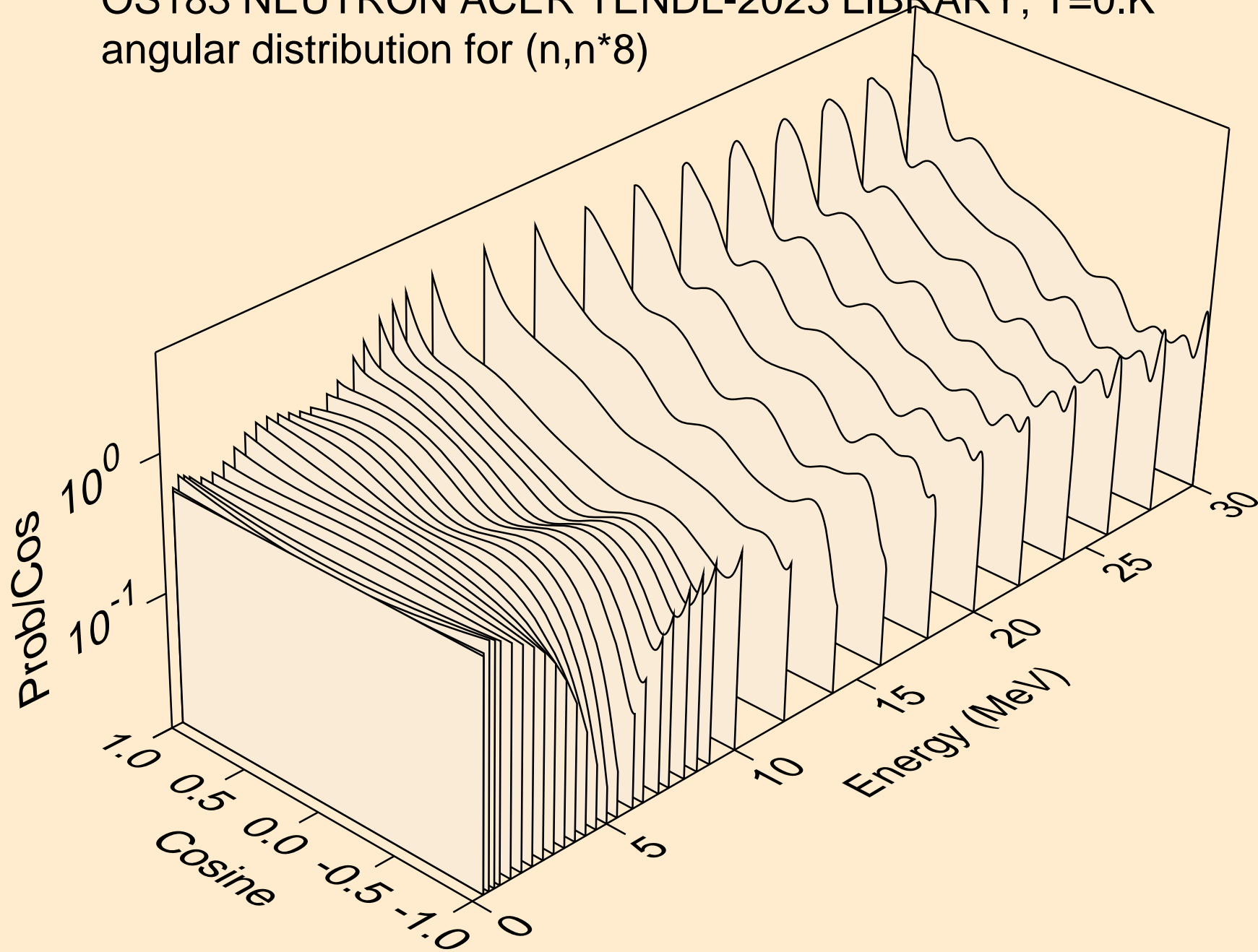
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angular distribution for (n,n\*6)



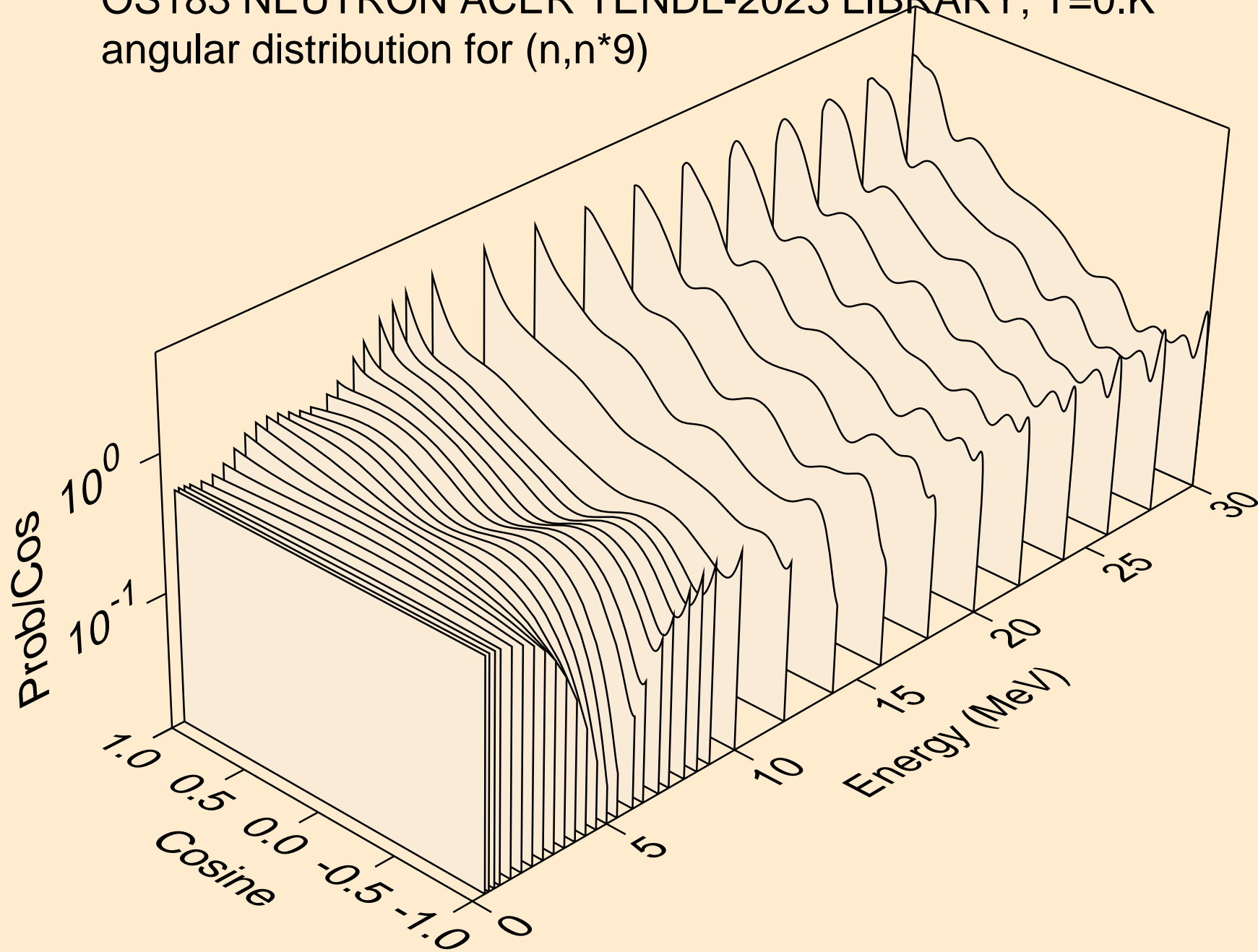
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

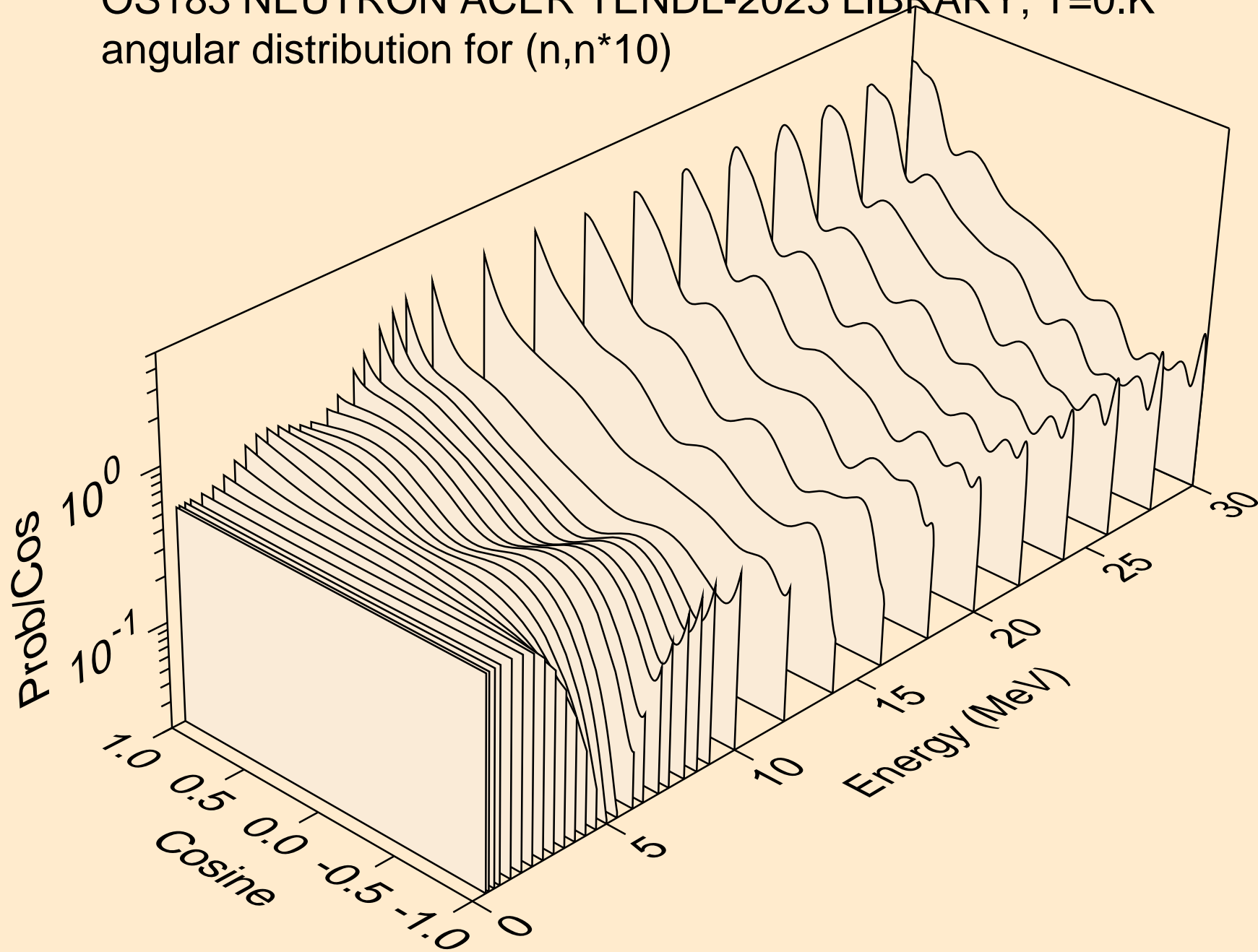


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



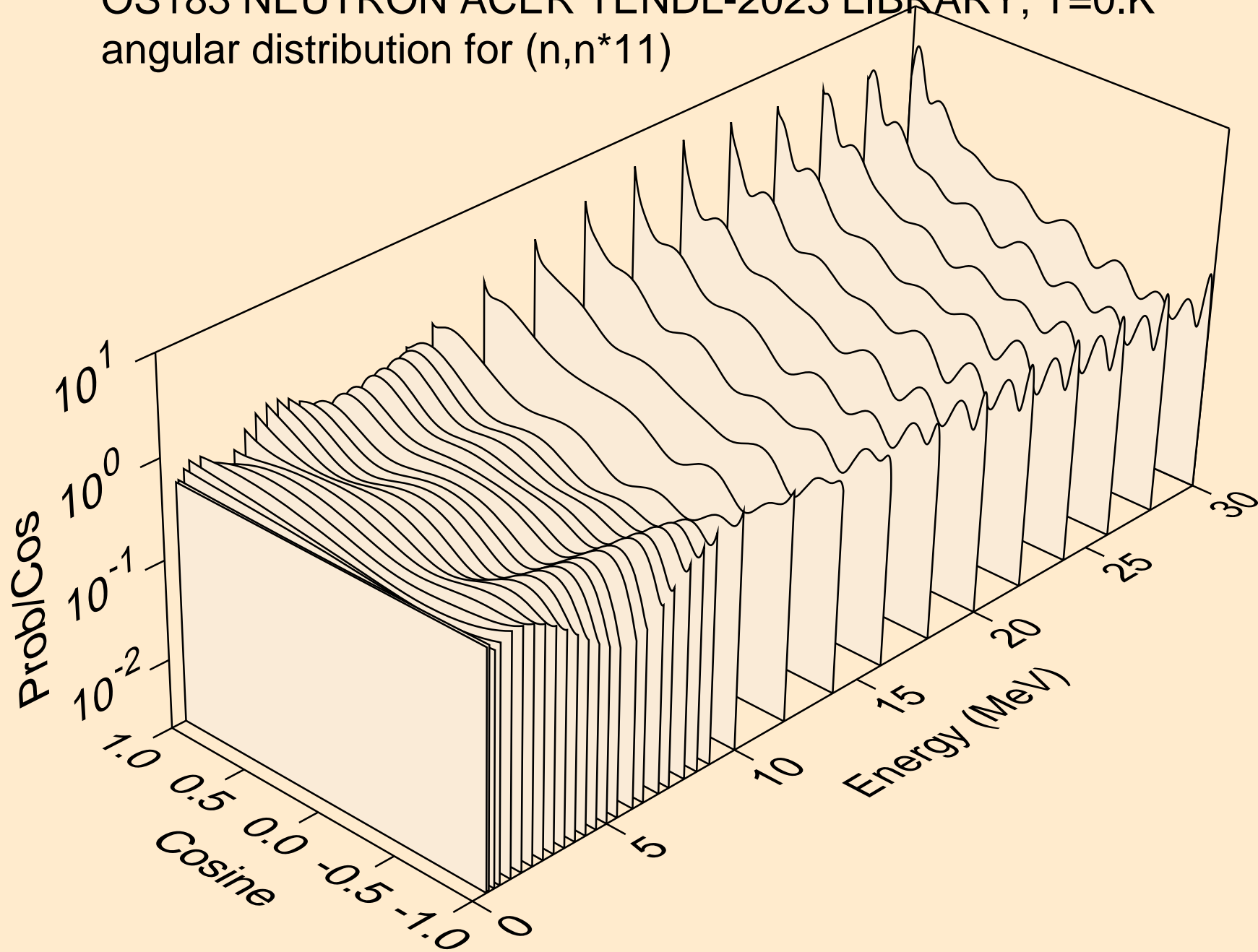


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

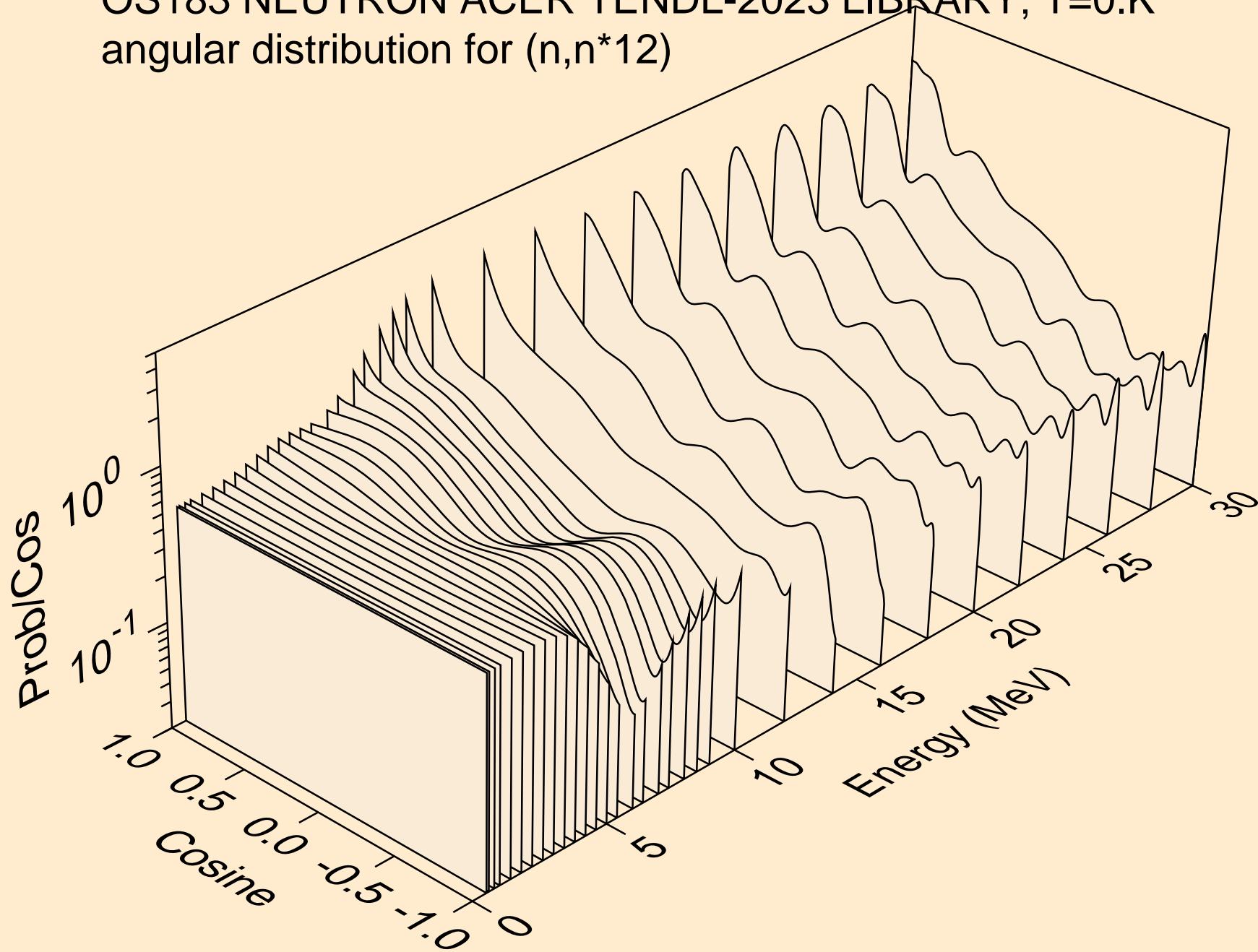




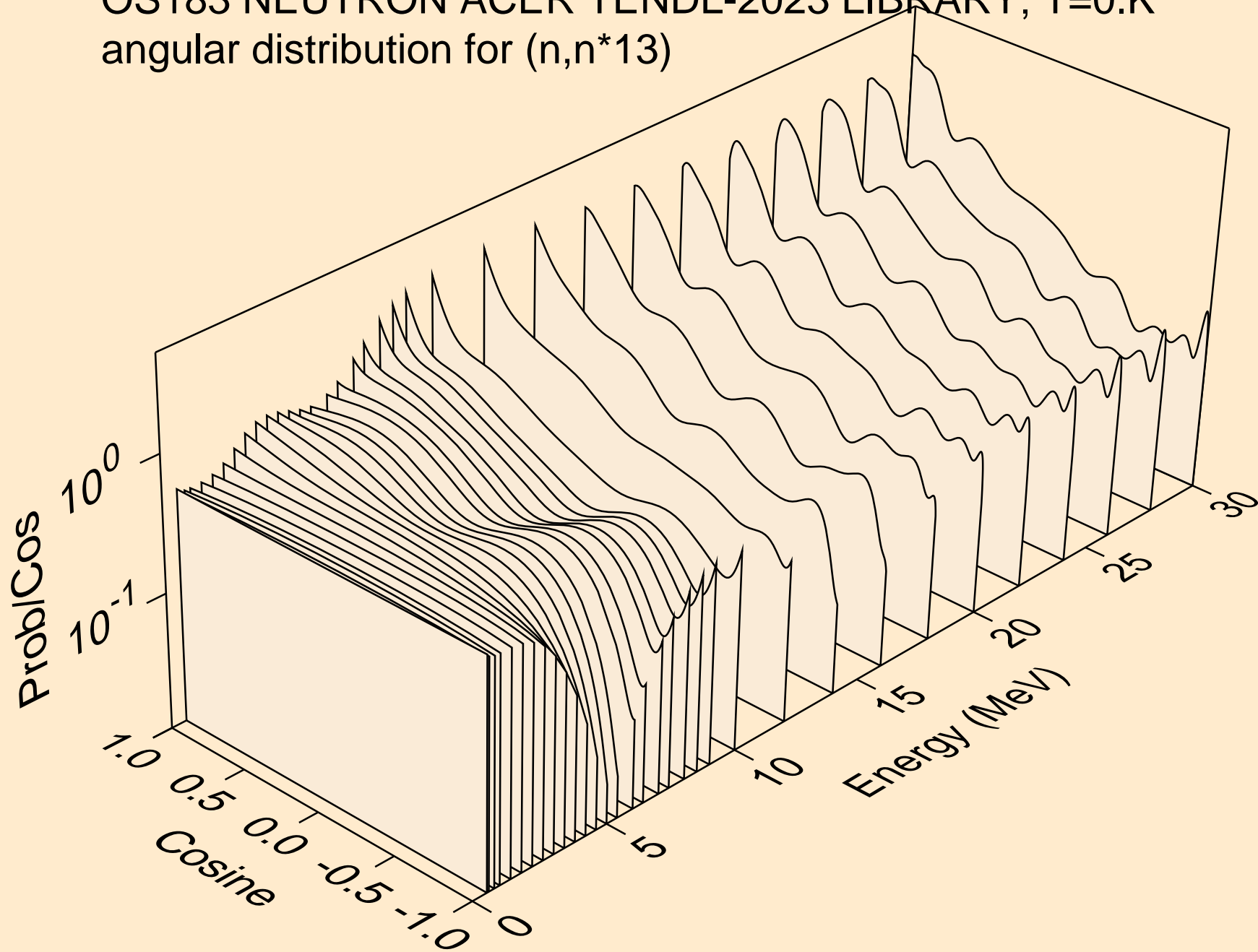
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angular distribution for (n,n\*11)



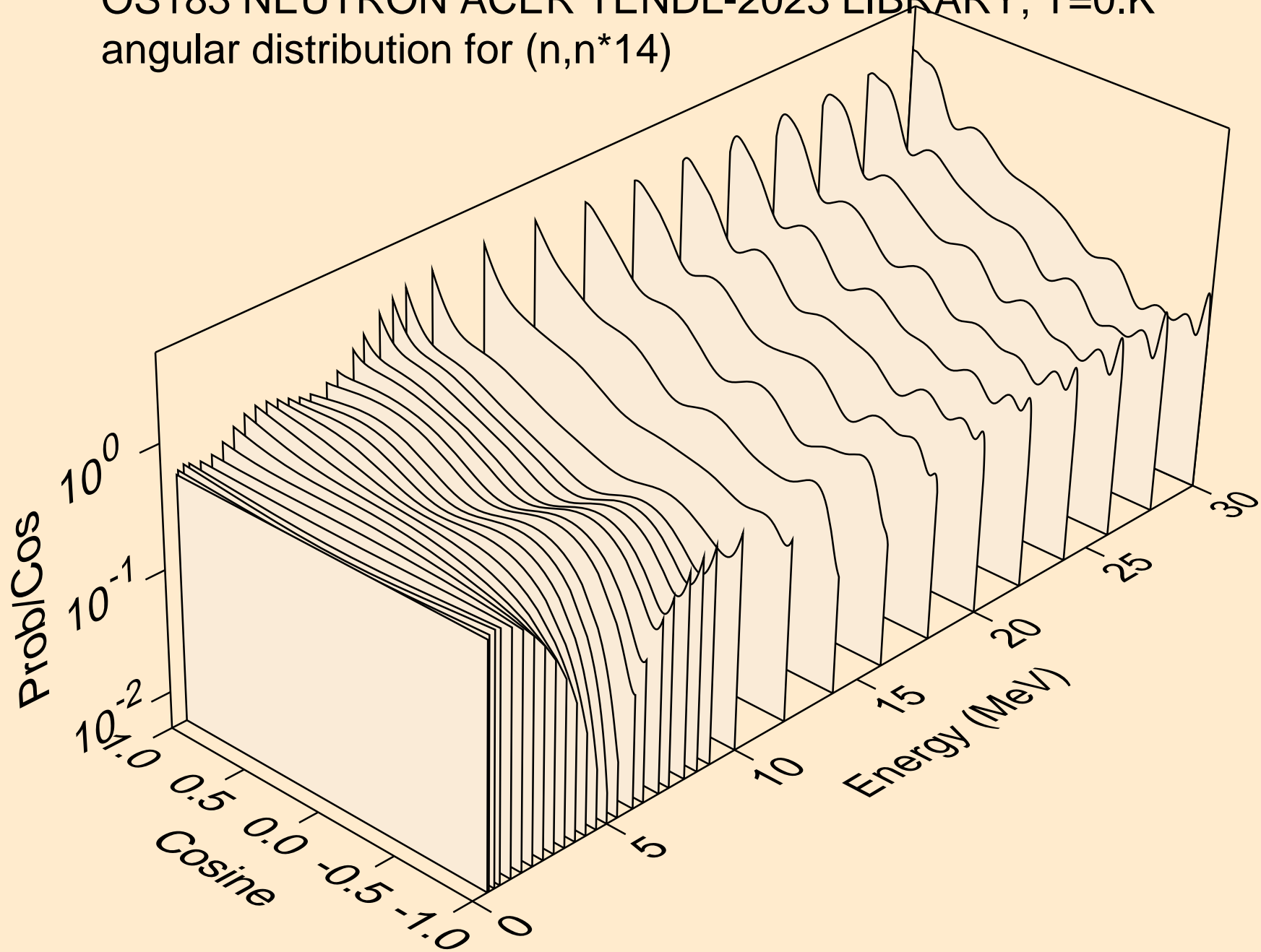
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angular distribution for (n,n\*12)



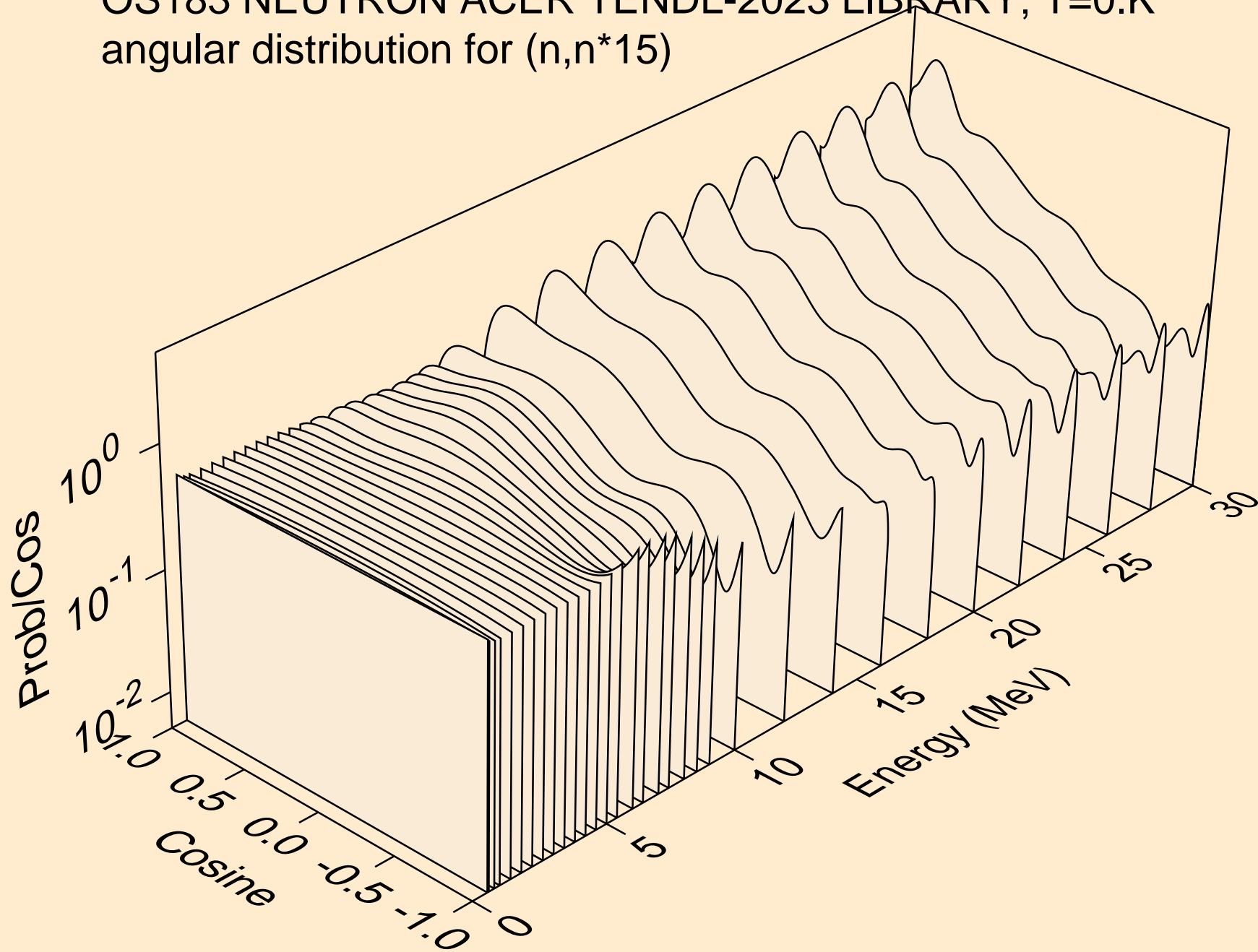
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angular distribution for (n,n\*13)



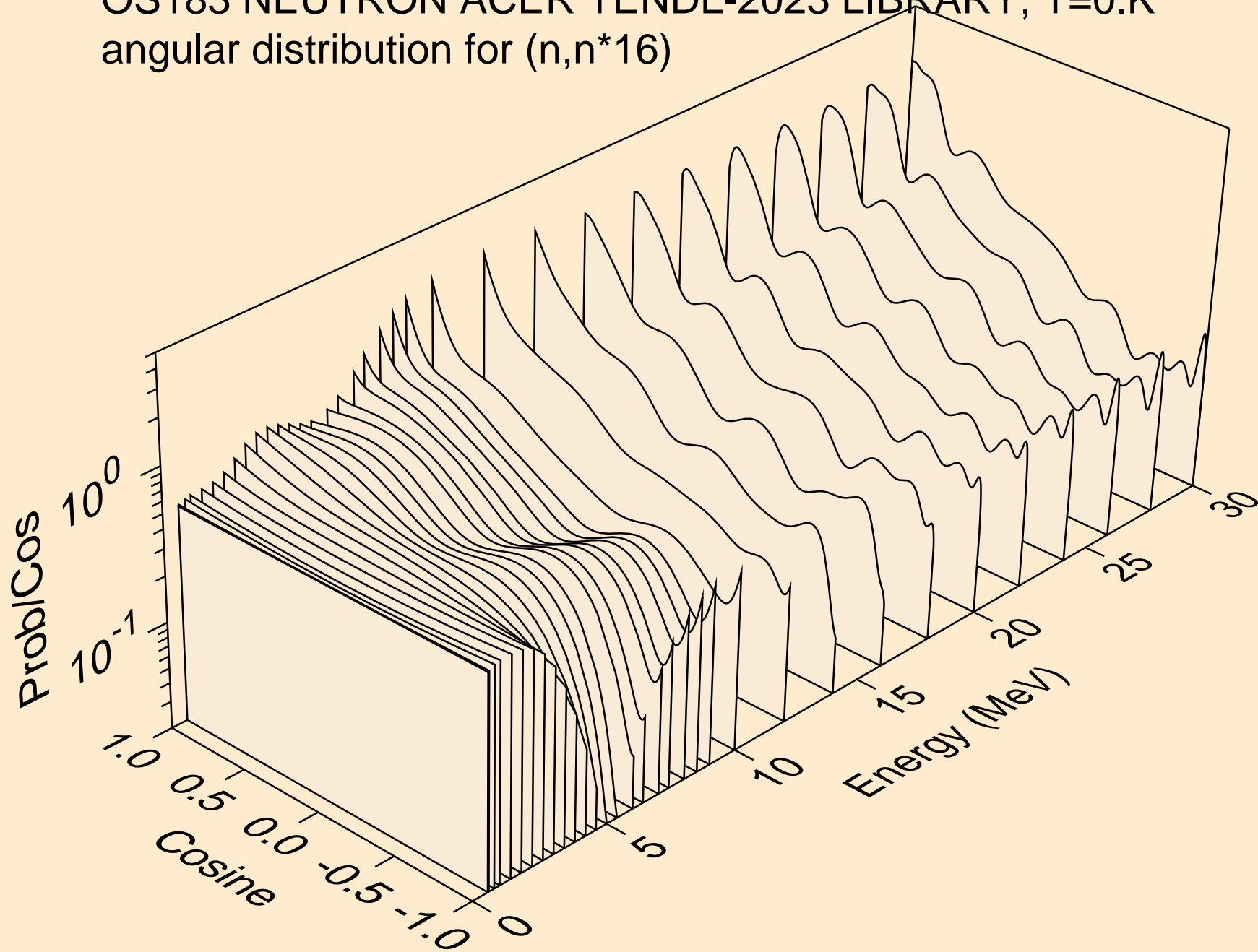
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angular distribution for (n,n\*14)



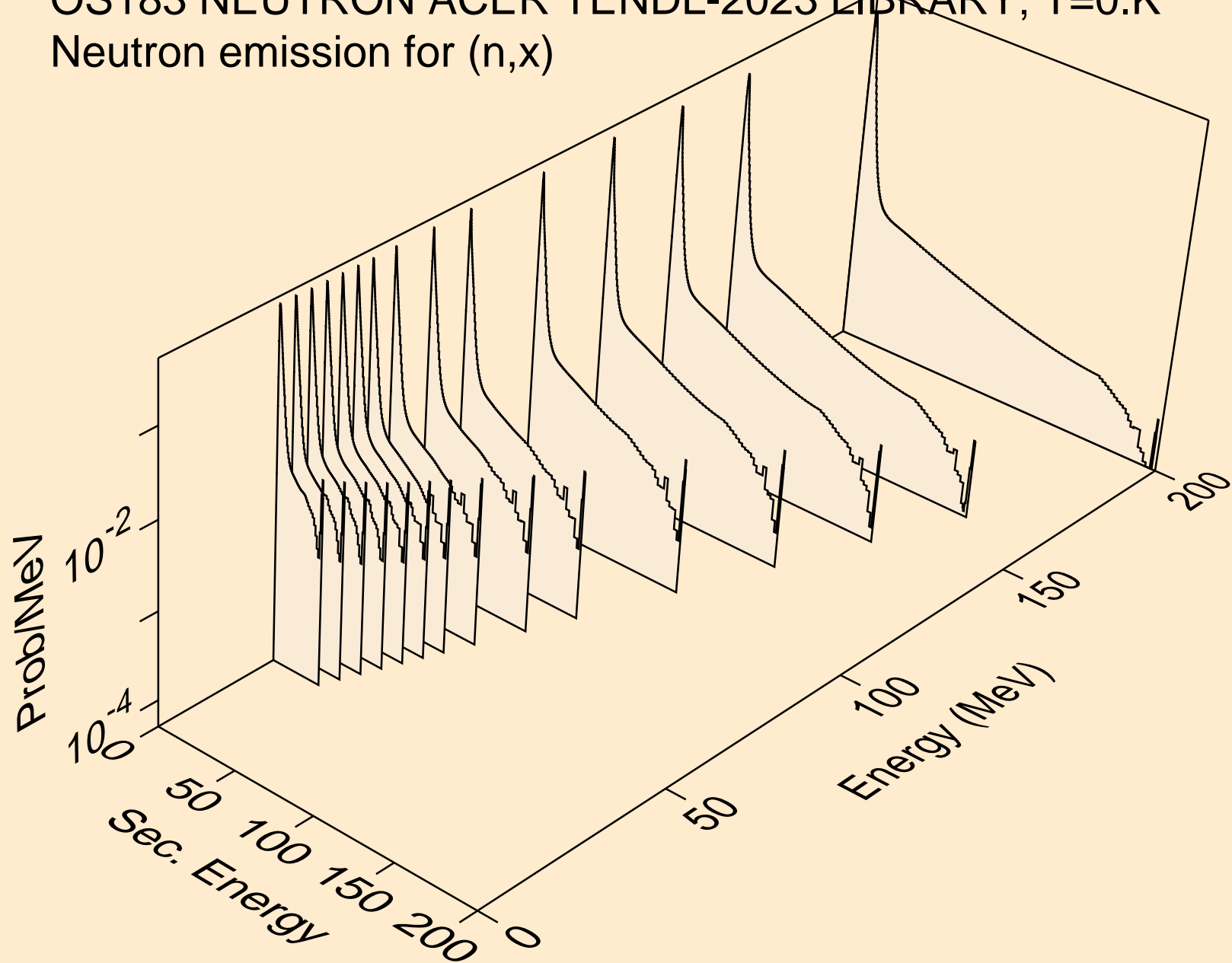
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angular distribution for (n,n\*15)



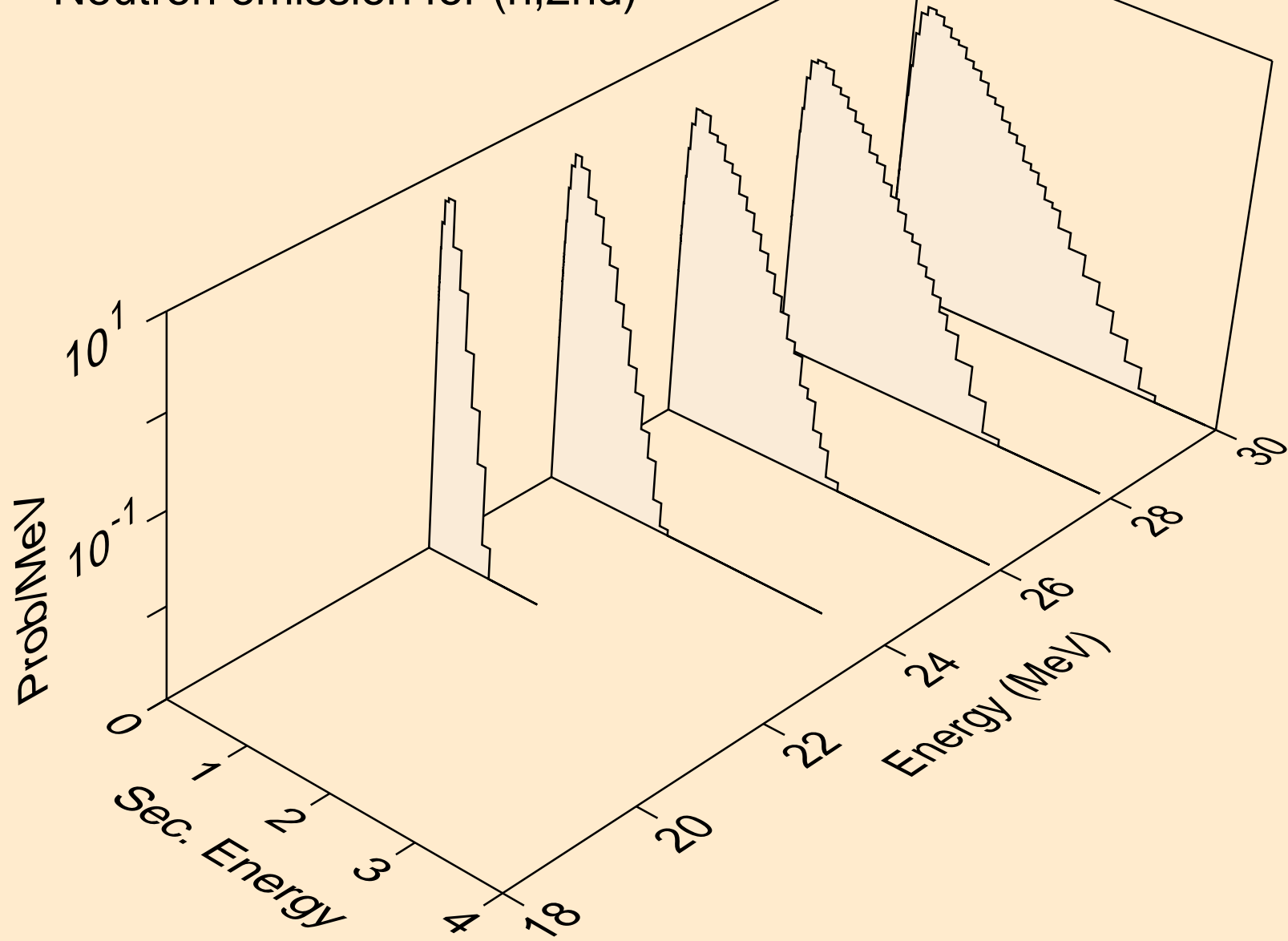
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

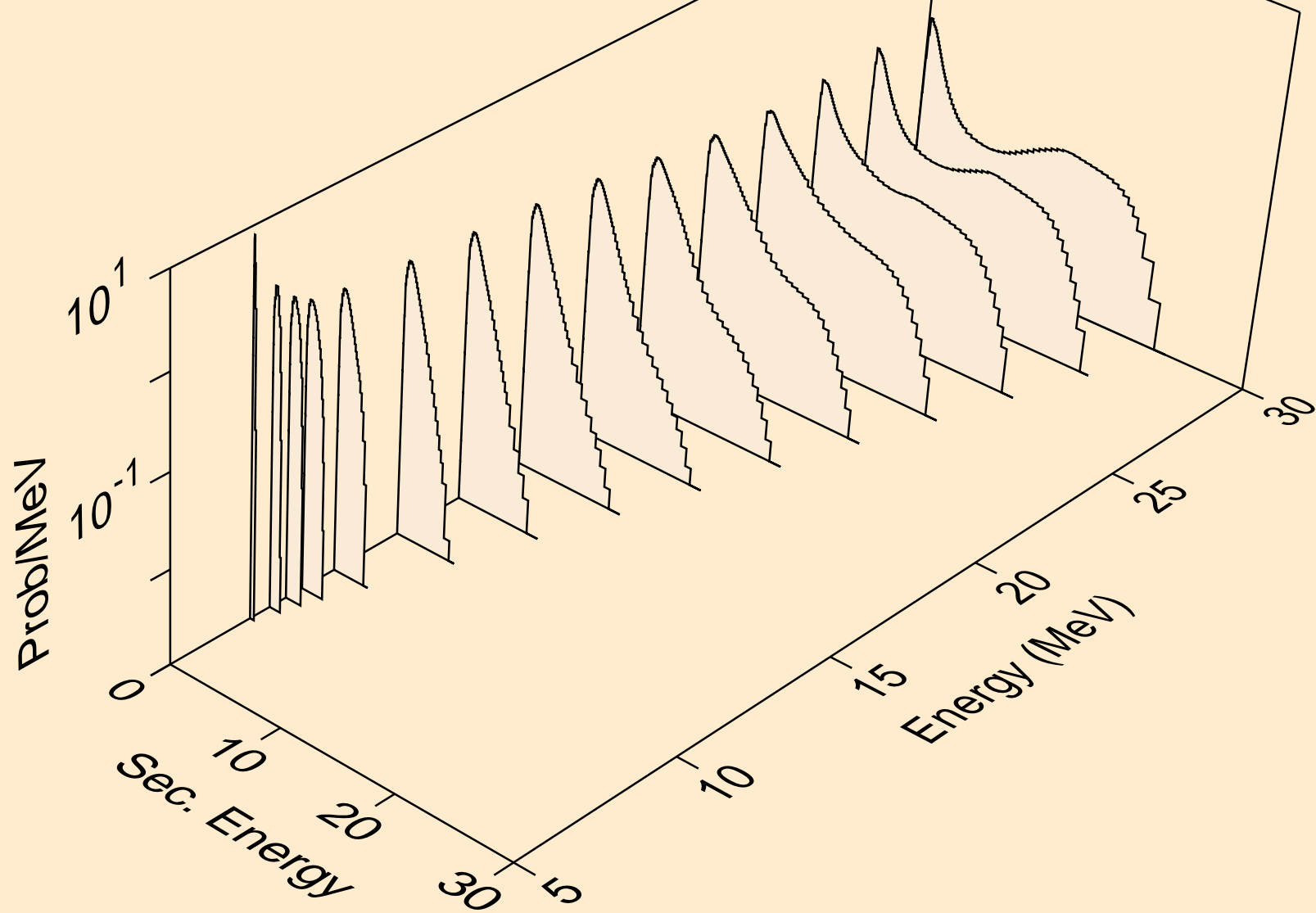


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

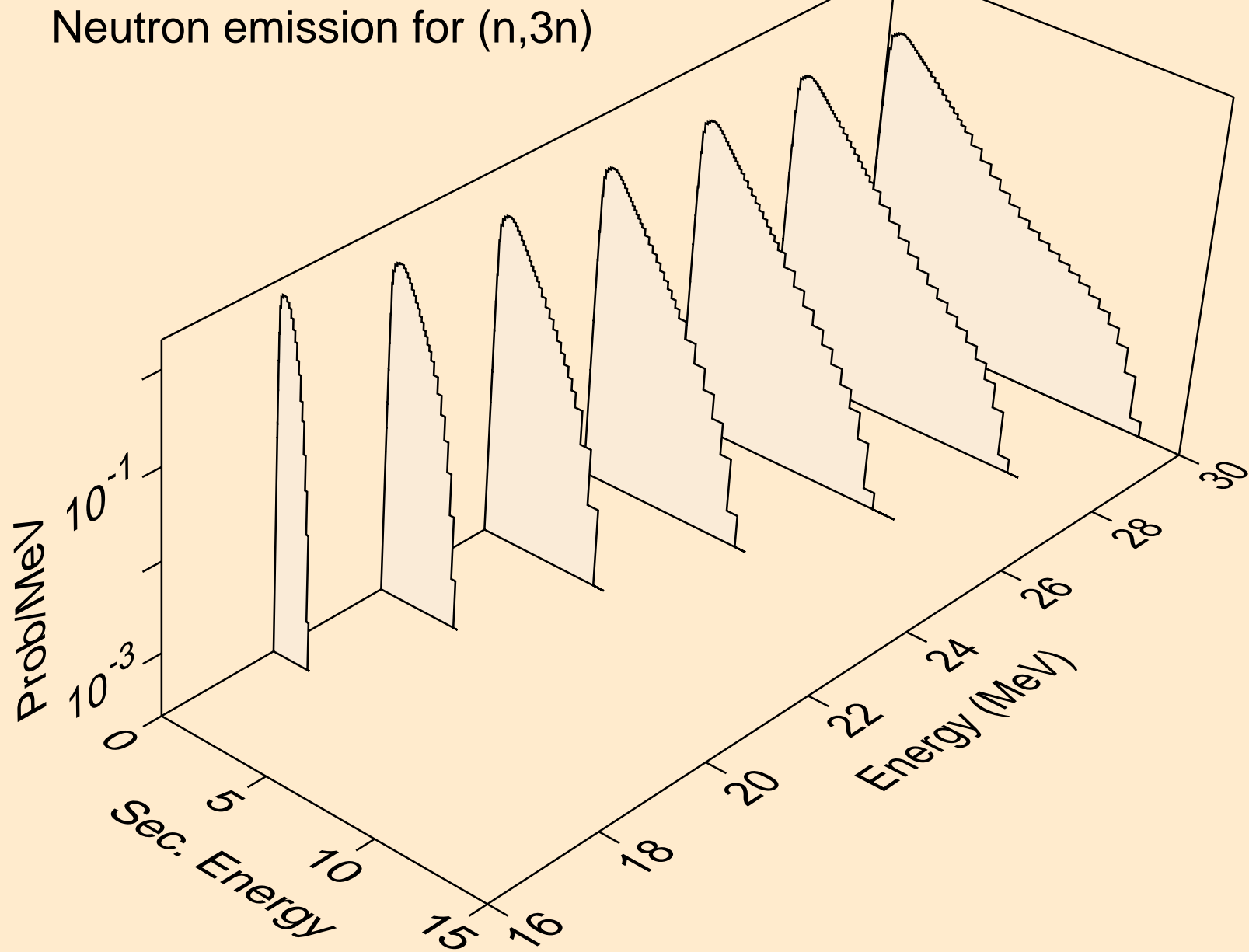




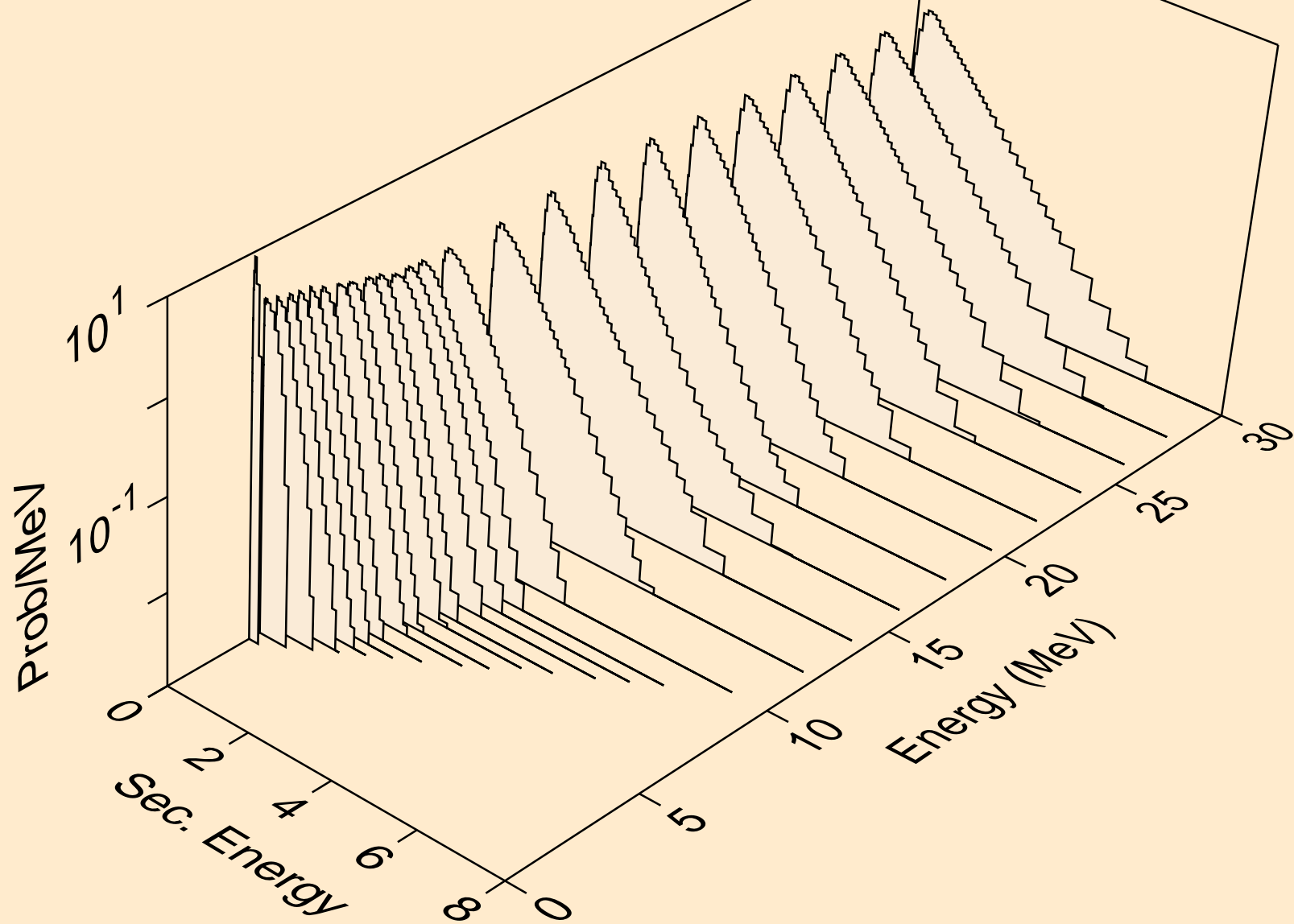
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



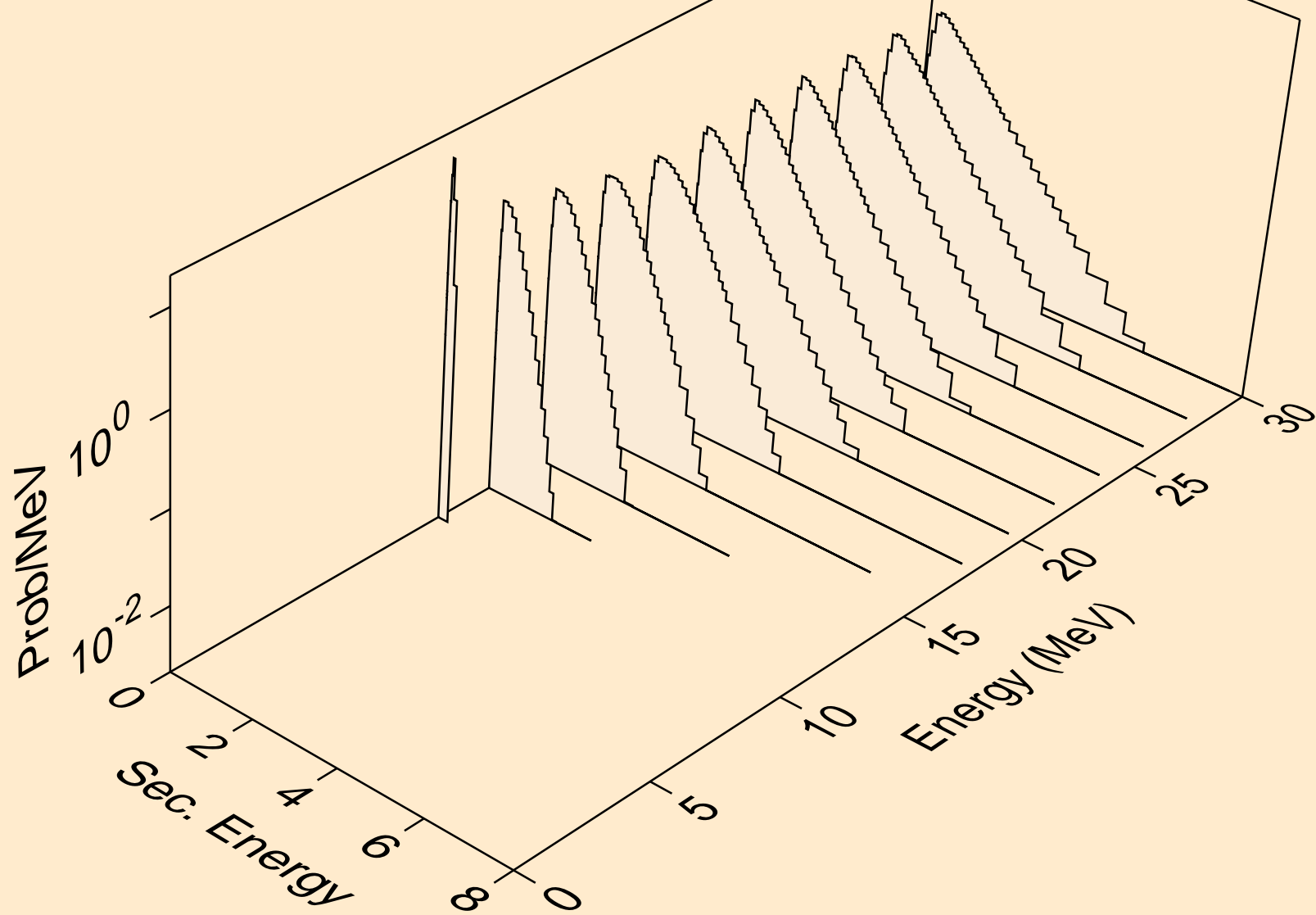
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



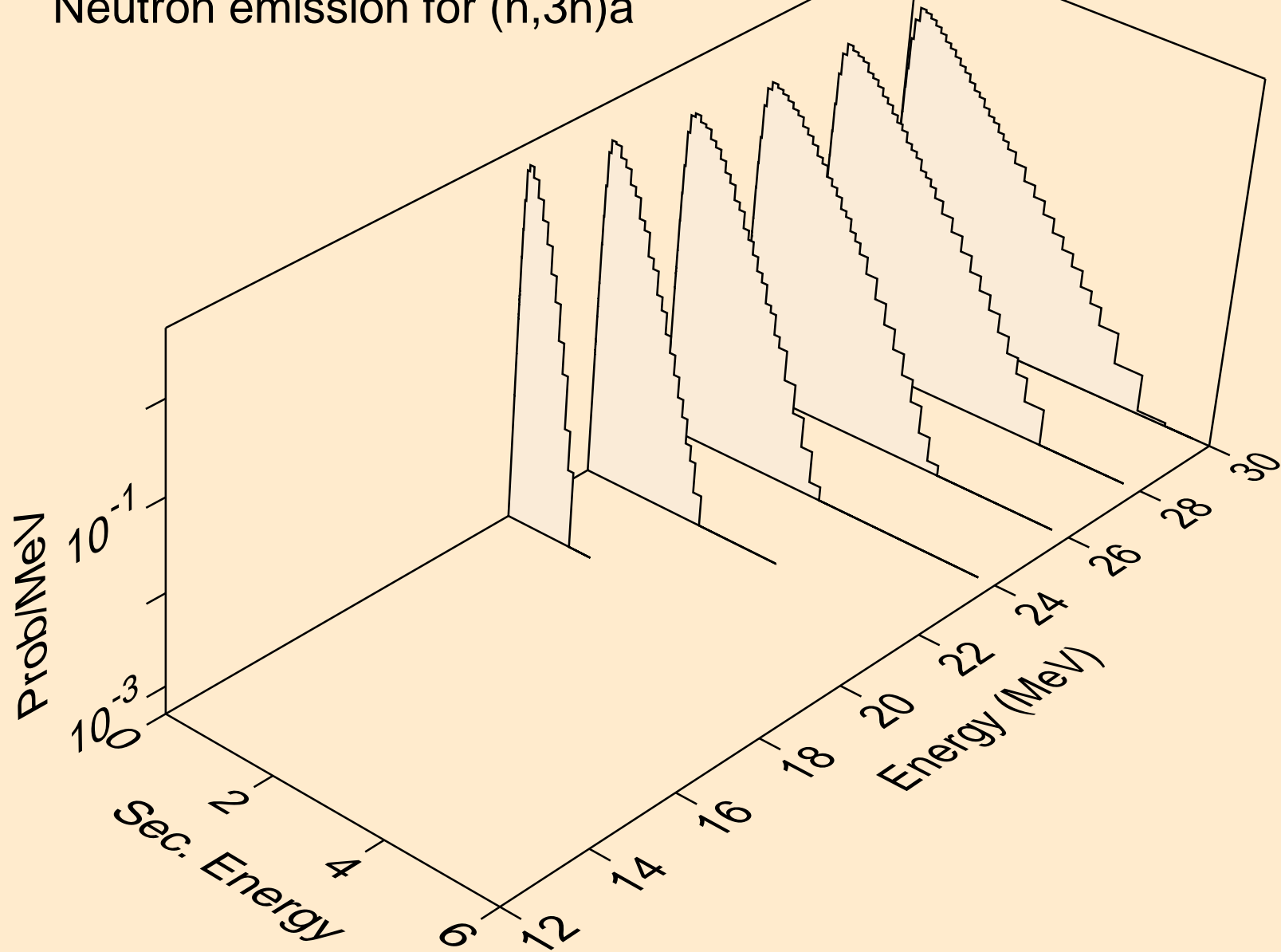
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



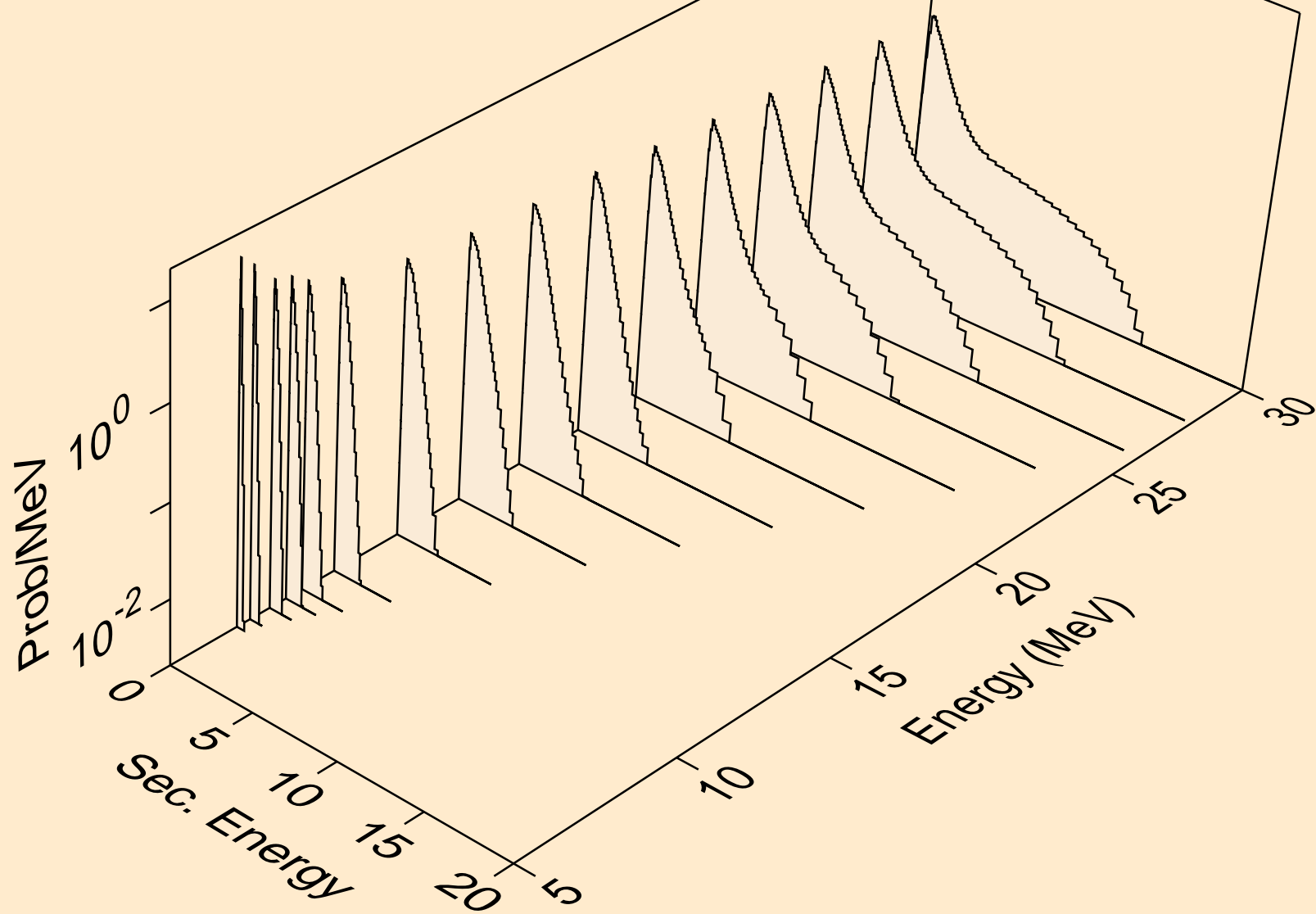
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Neutron emission for (n,2n)a



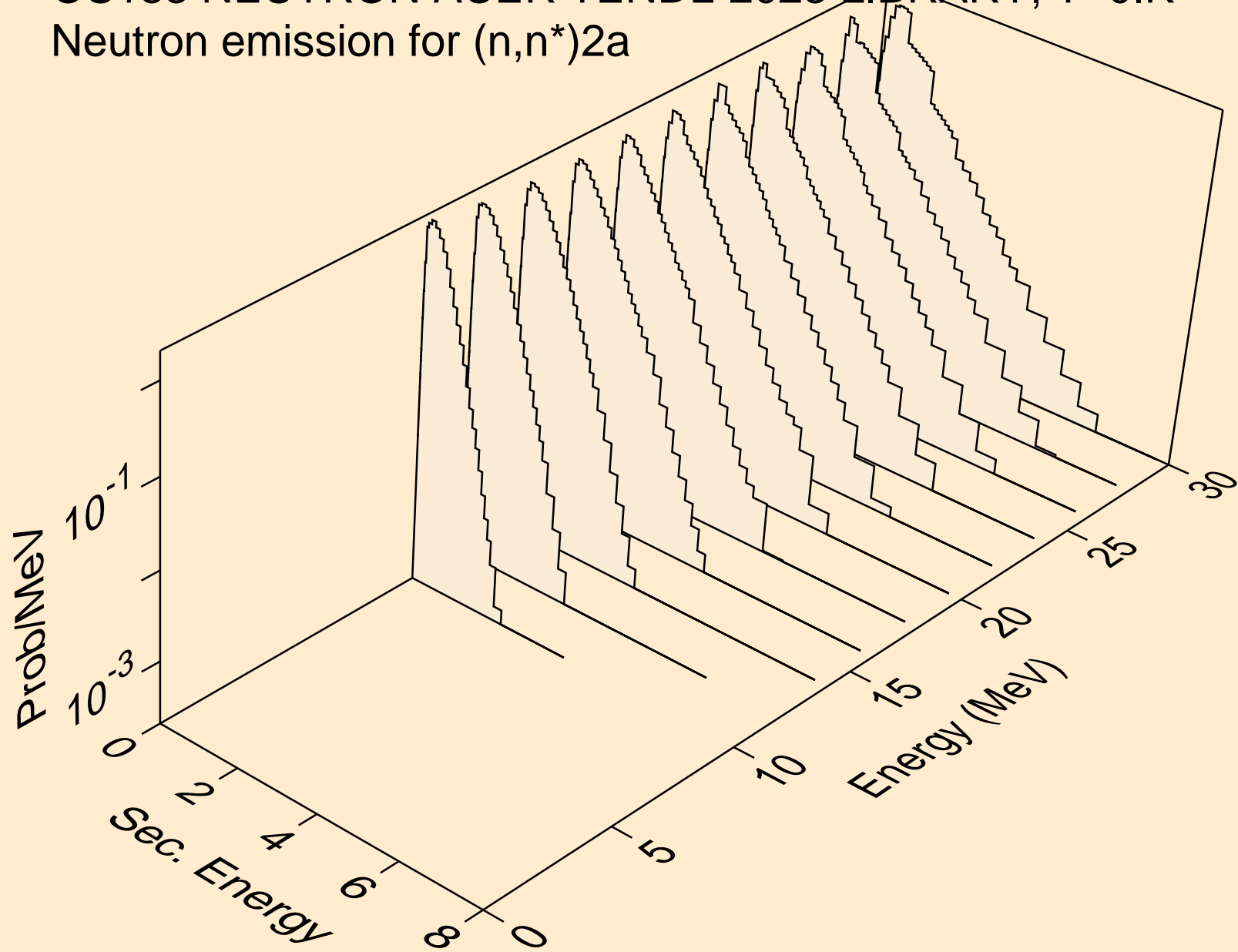
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Neutron emission for (n,3n)a



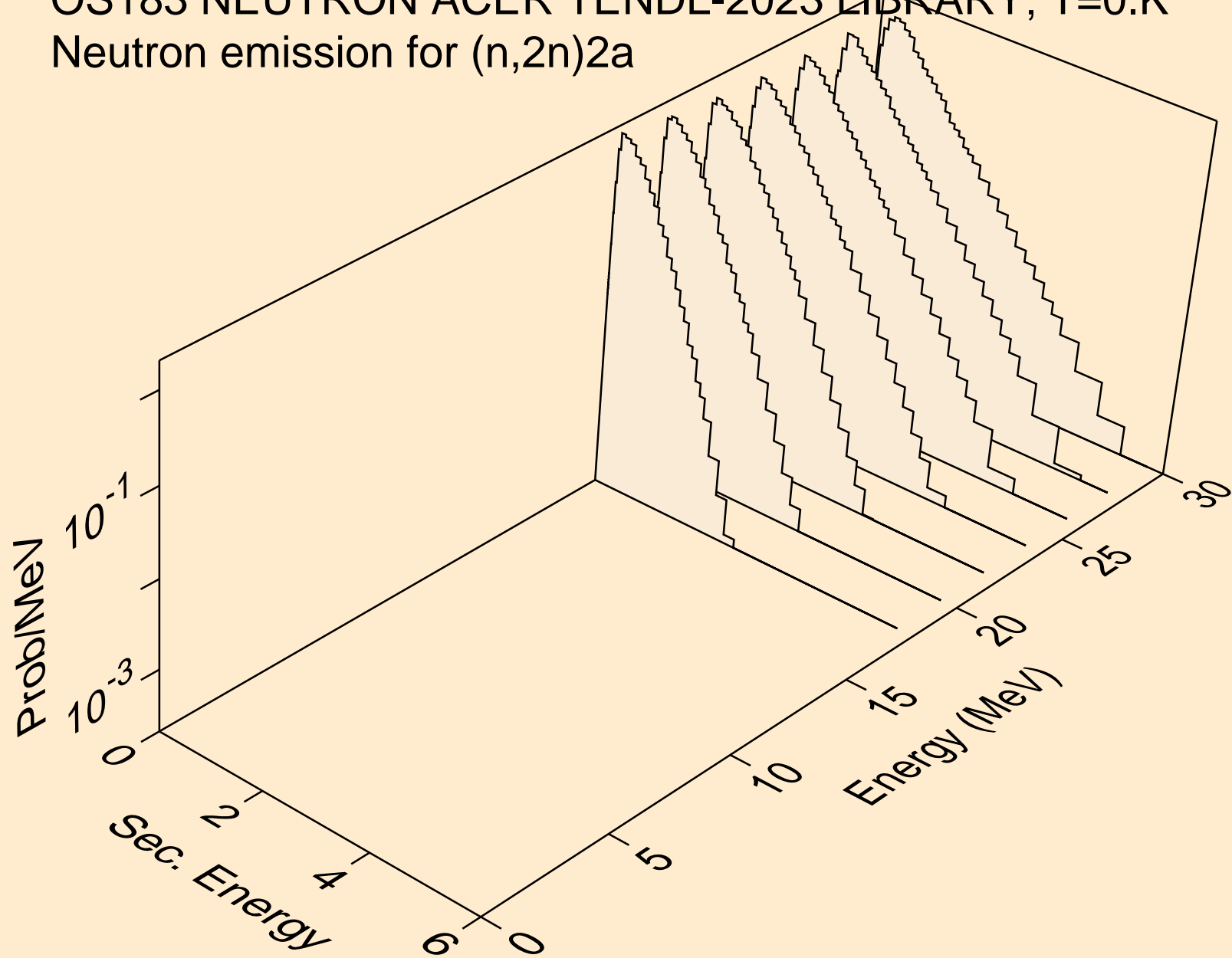
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

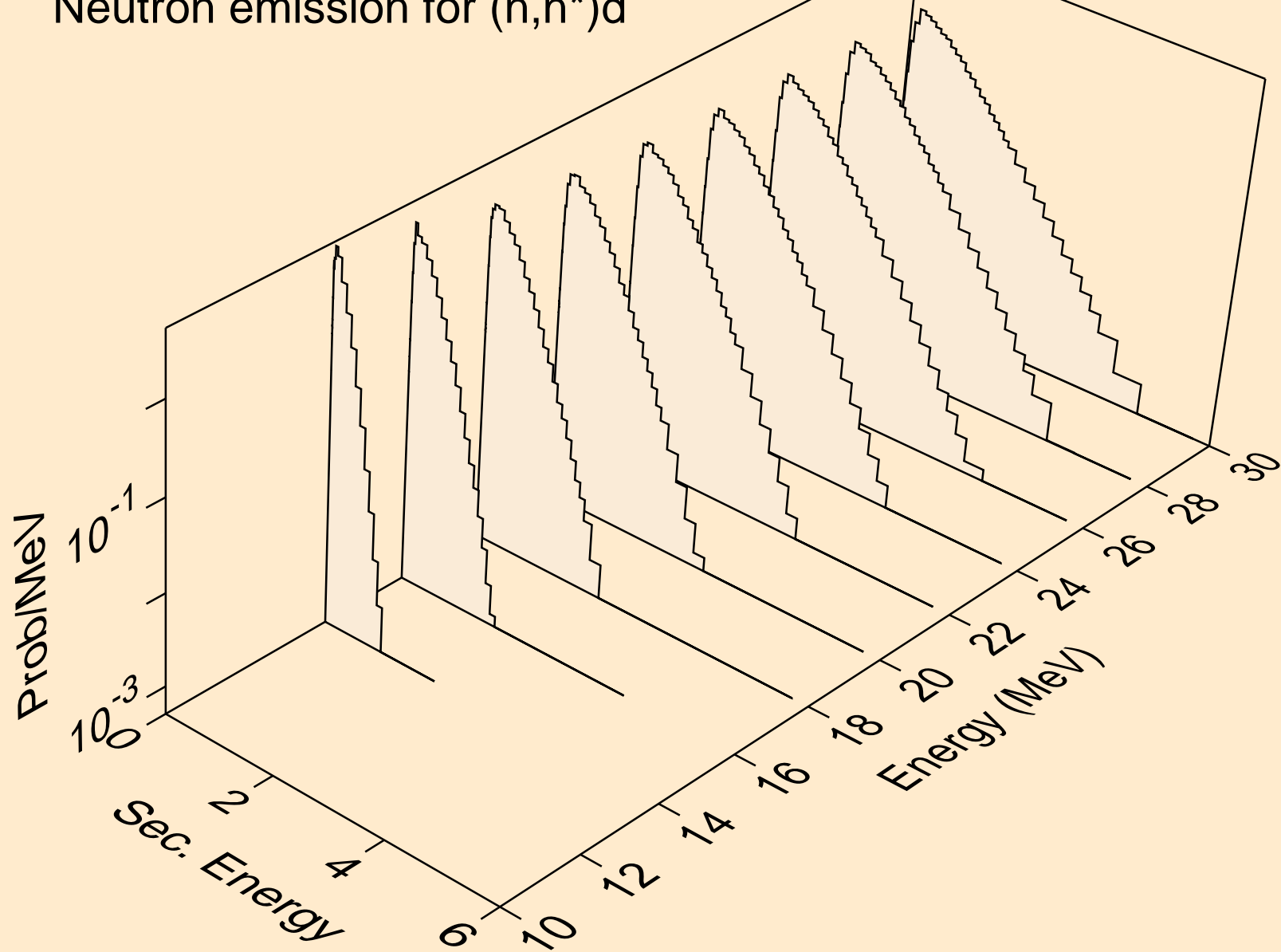


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

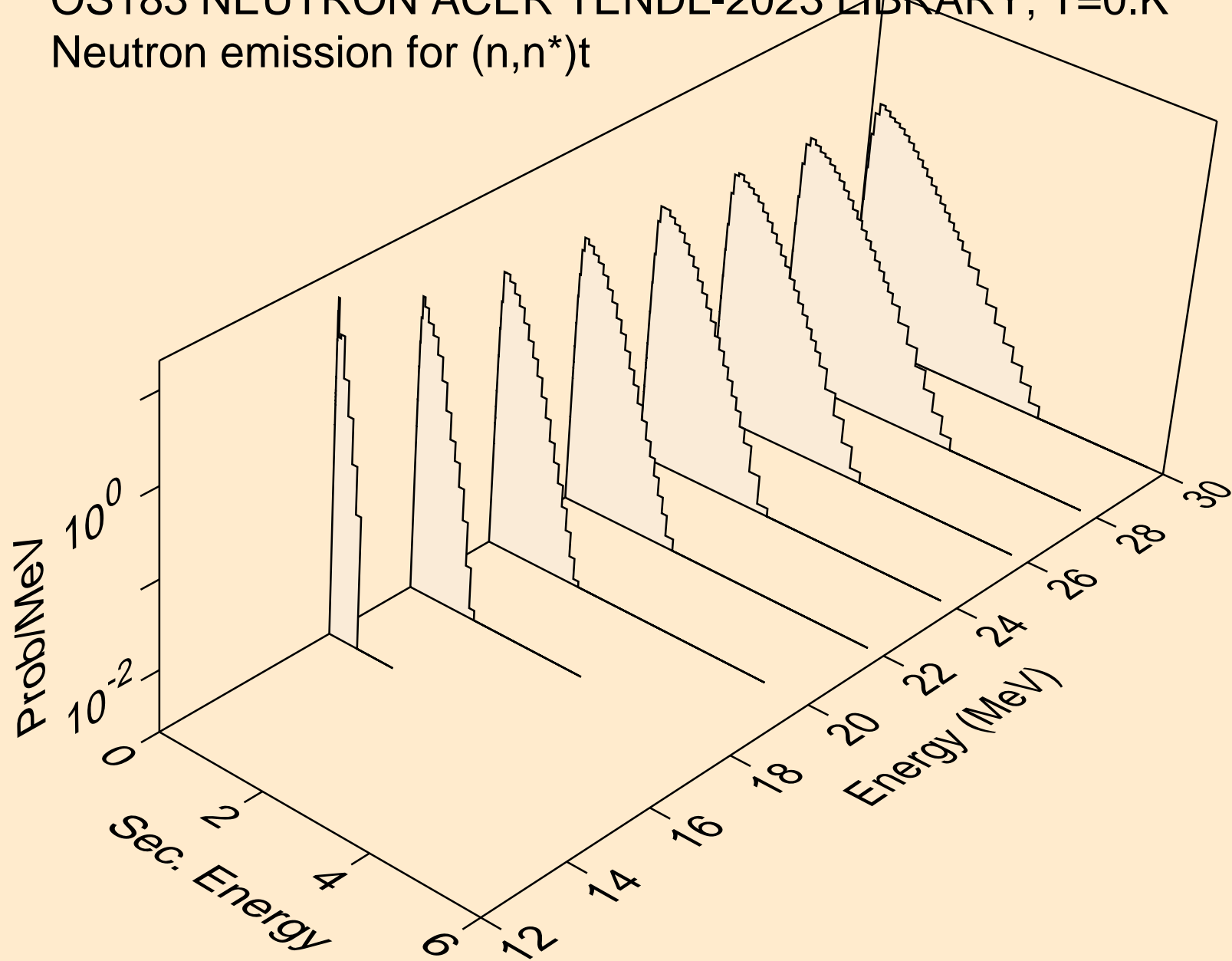




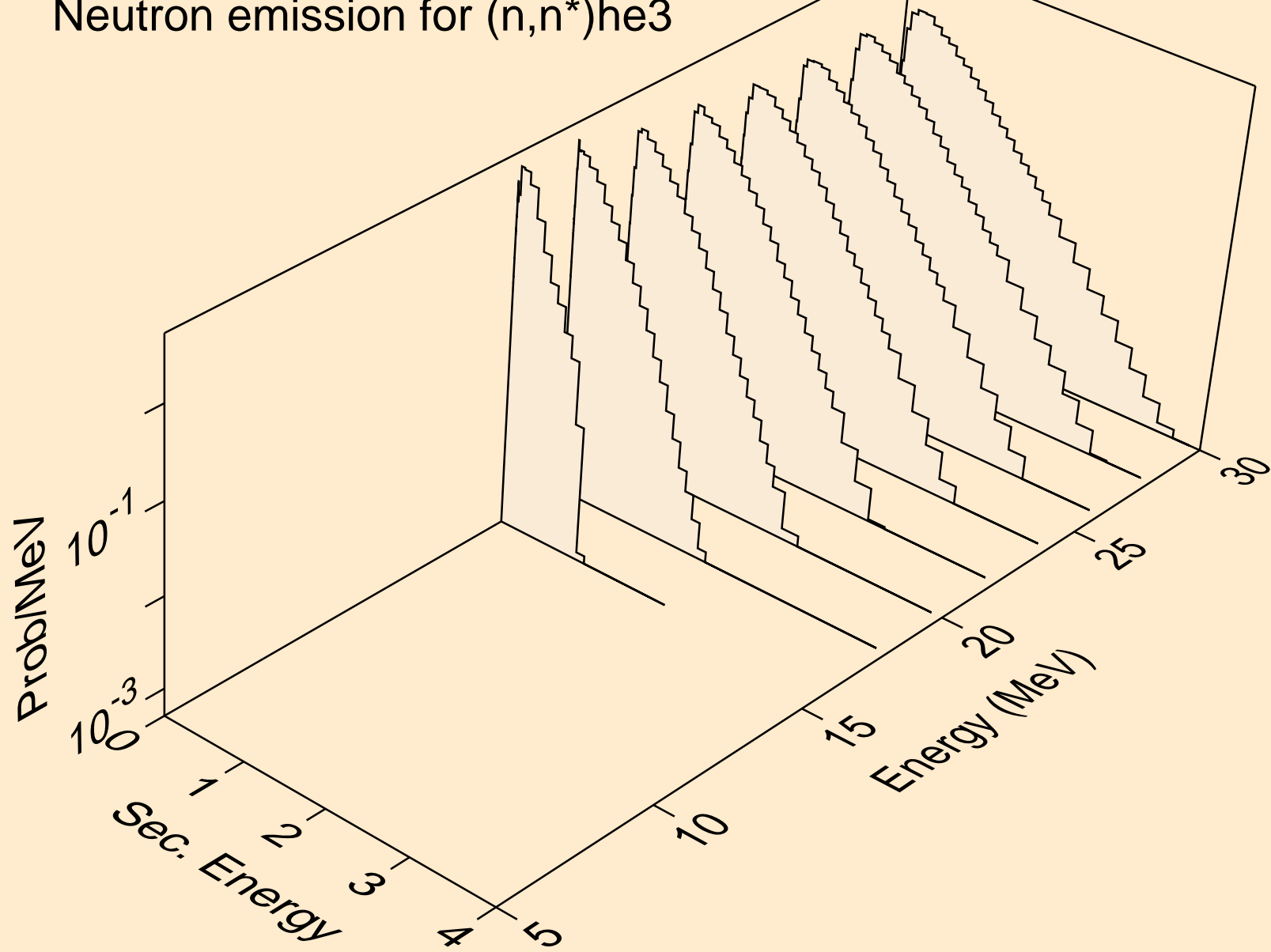
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Neutron emission for (n,n\*)d



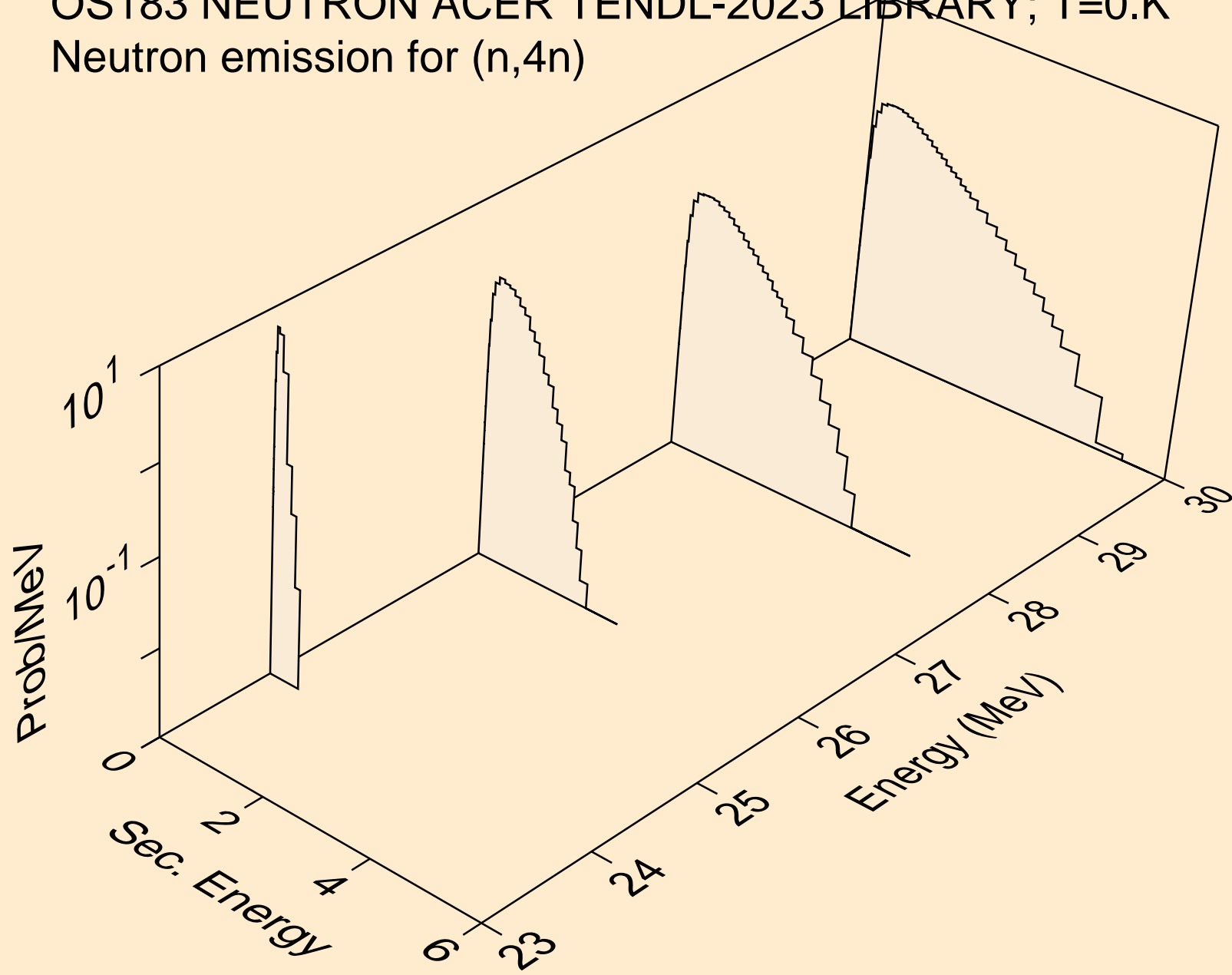
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Neutron emission for (n,n\*)t



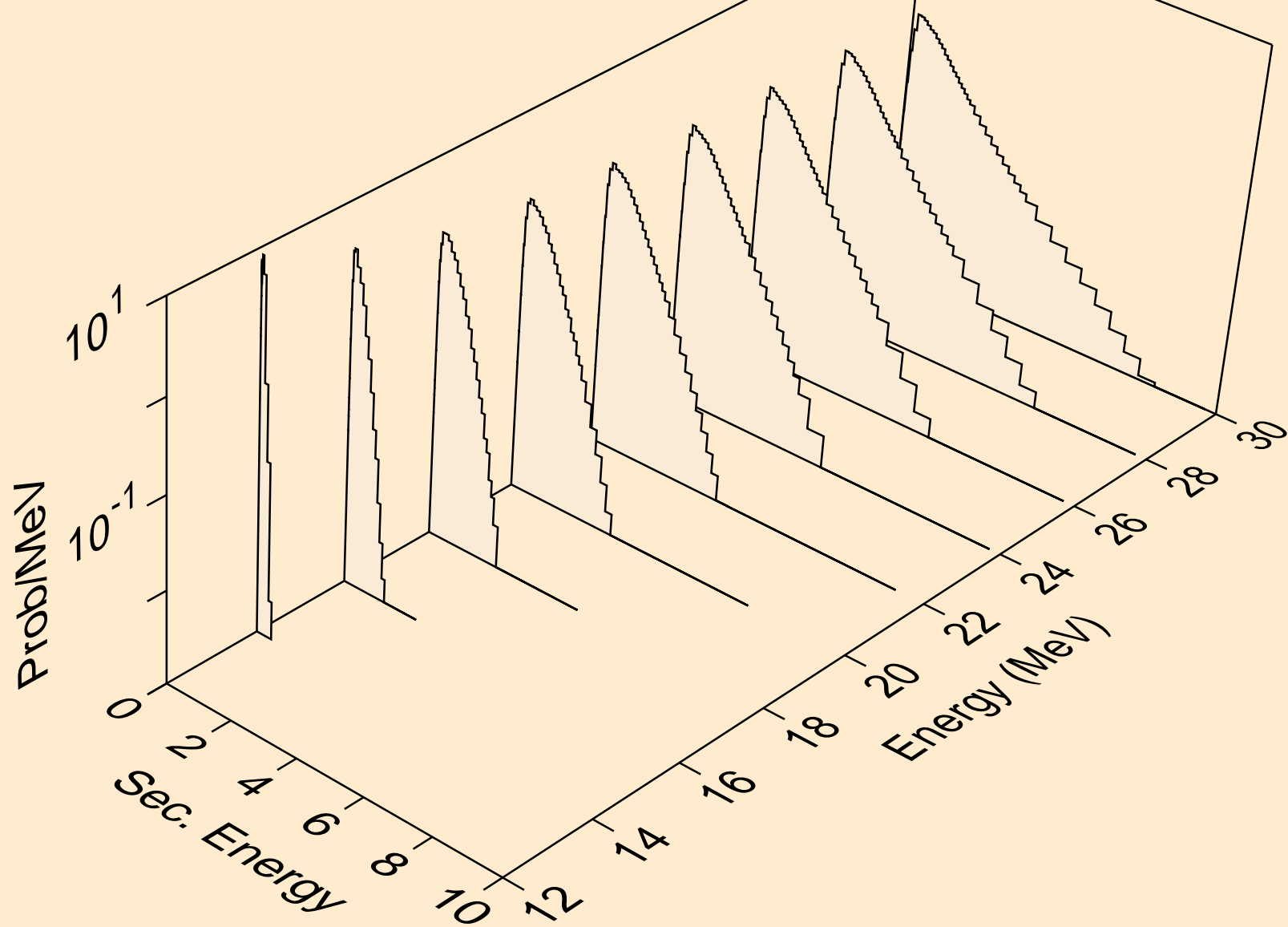
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



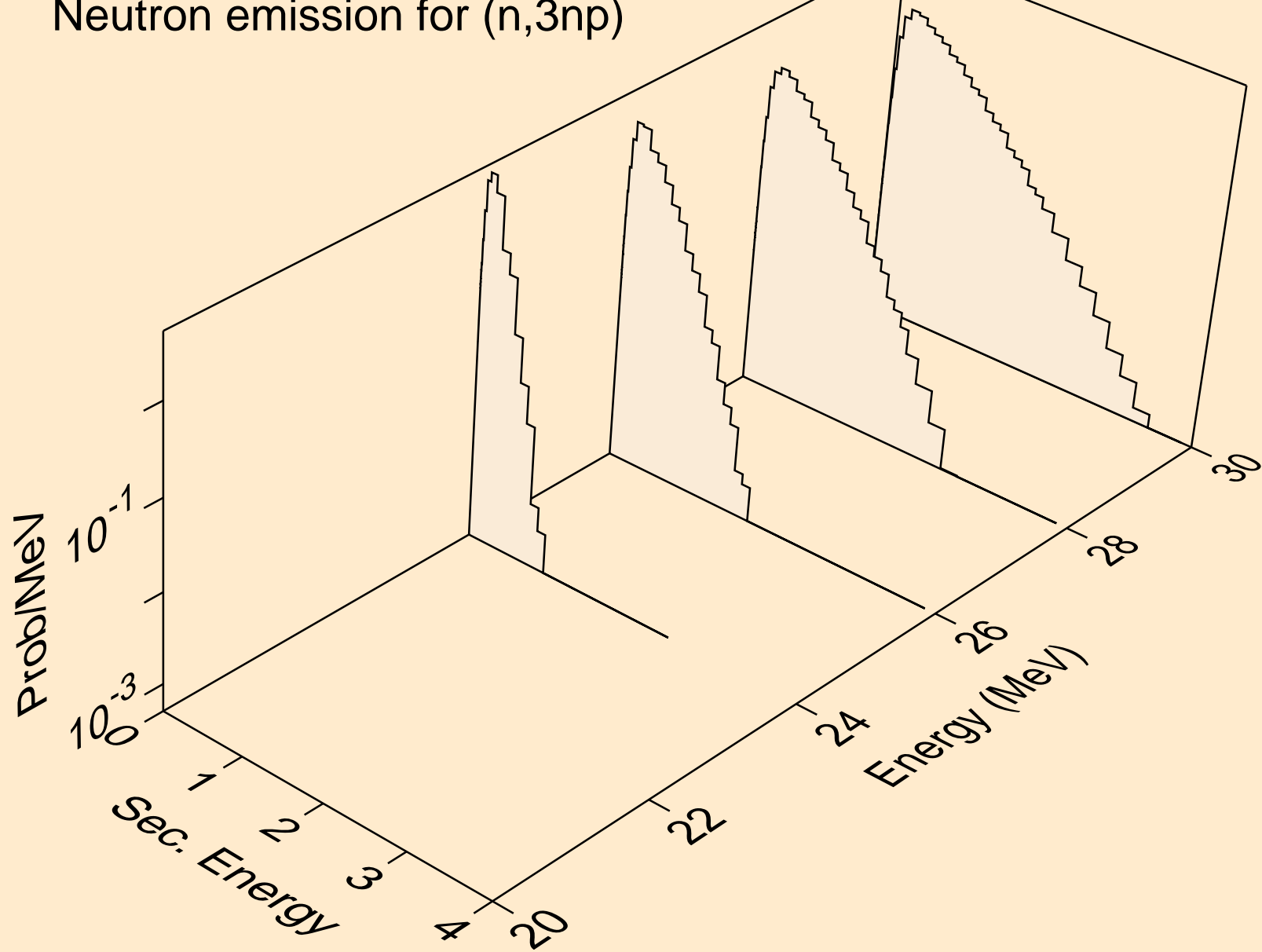
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



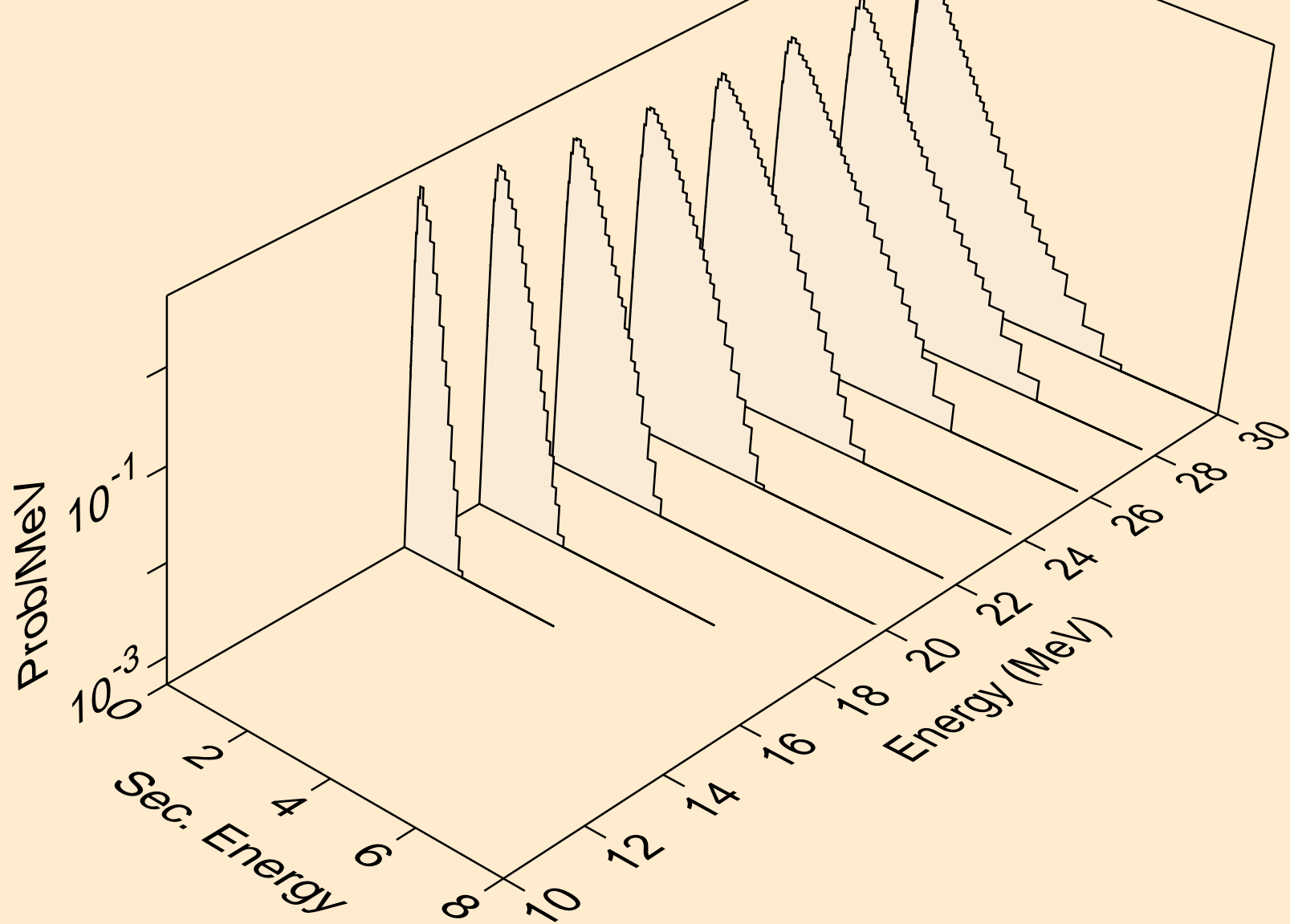
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



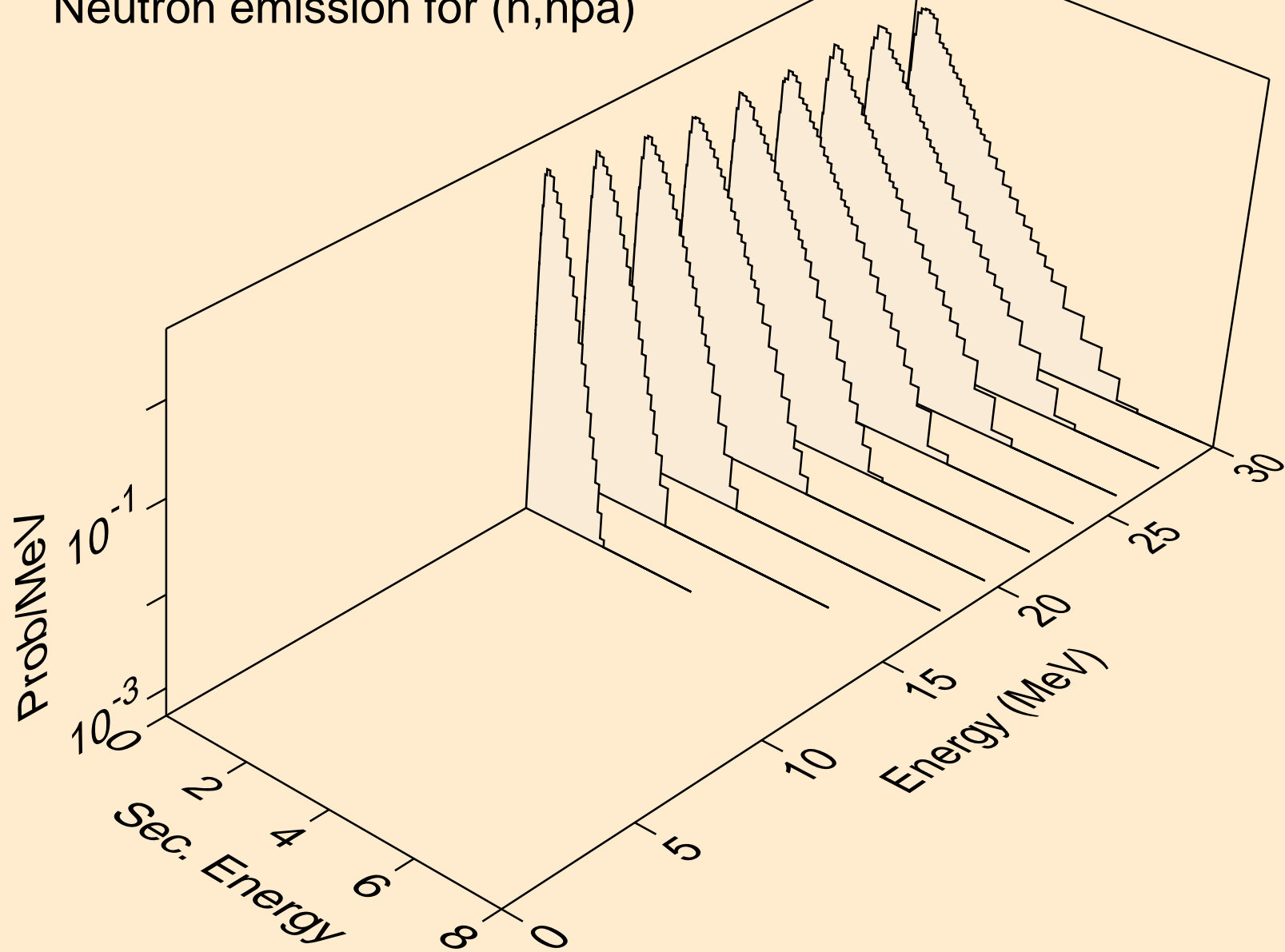
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

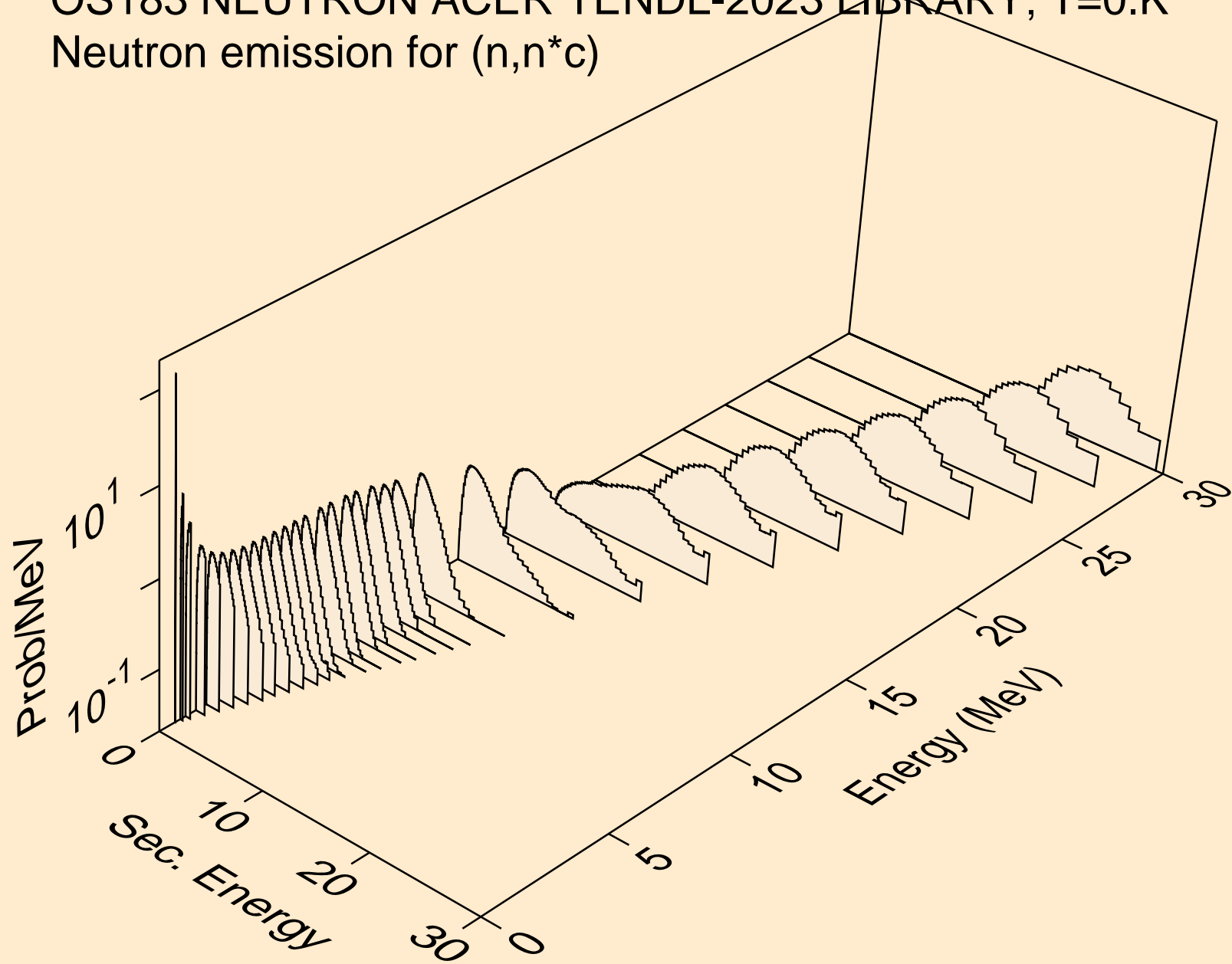


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

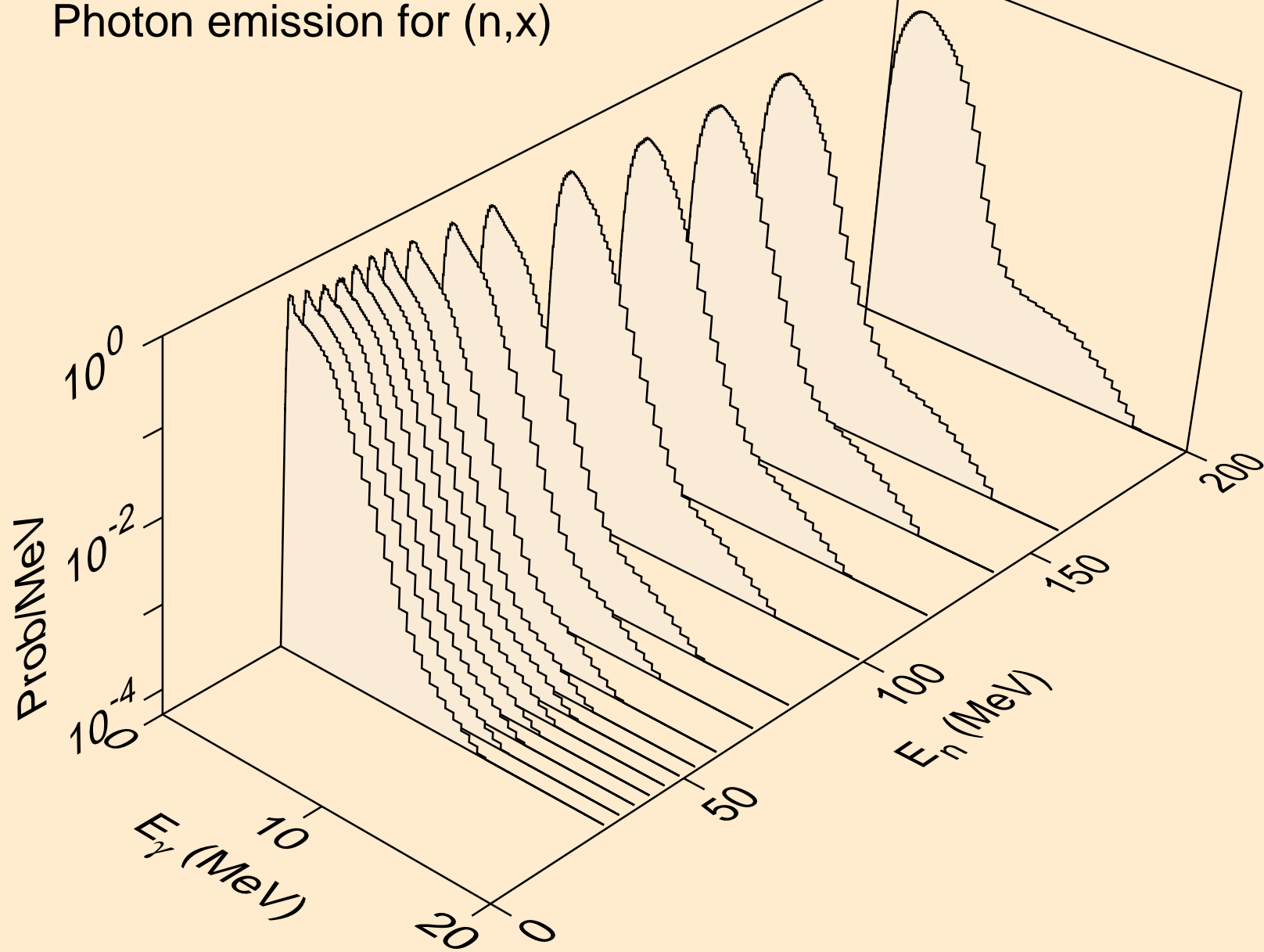




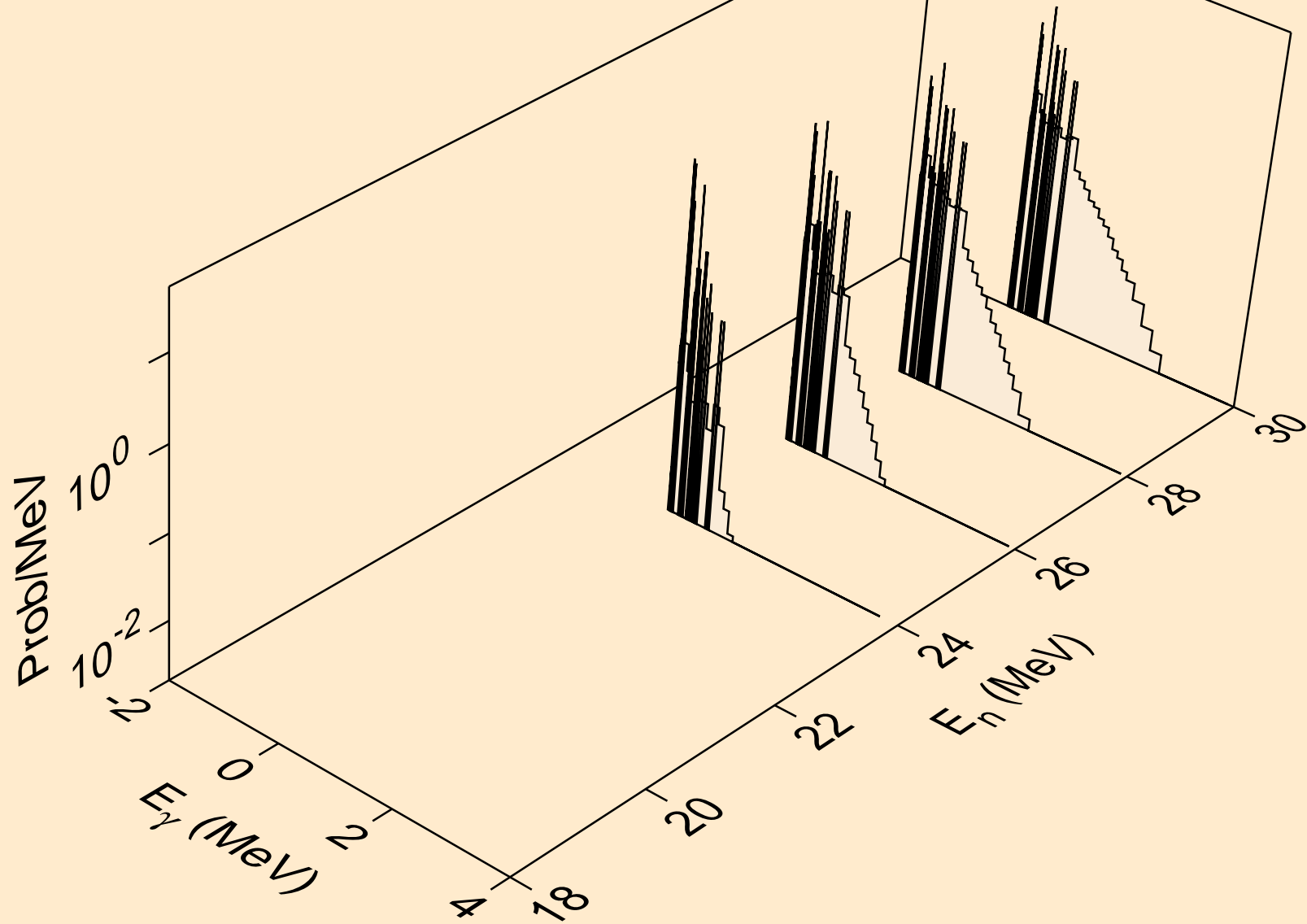
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



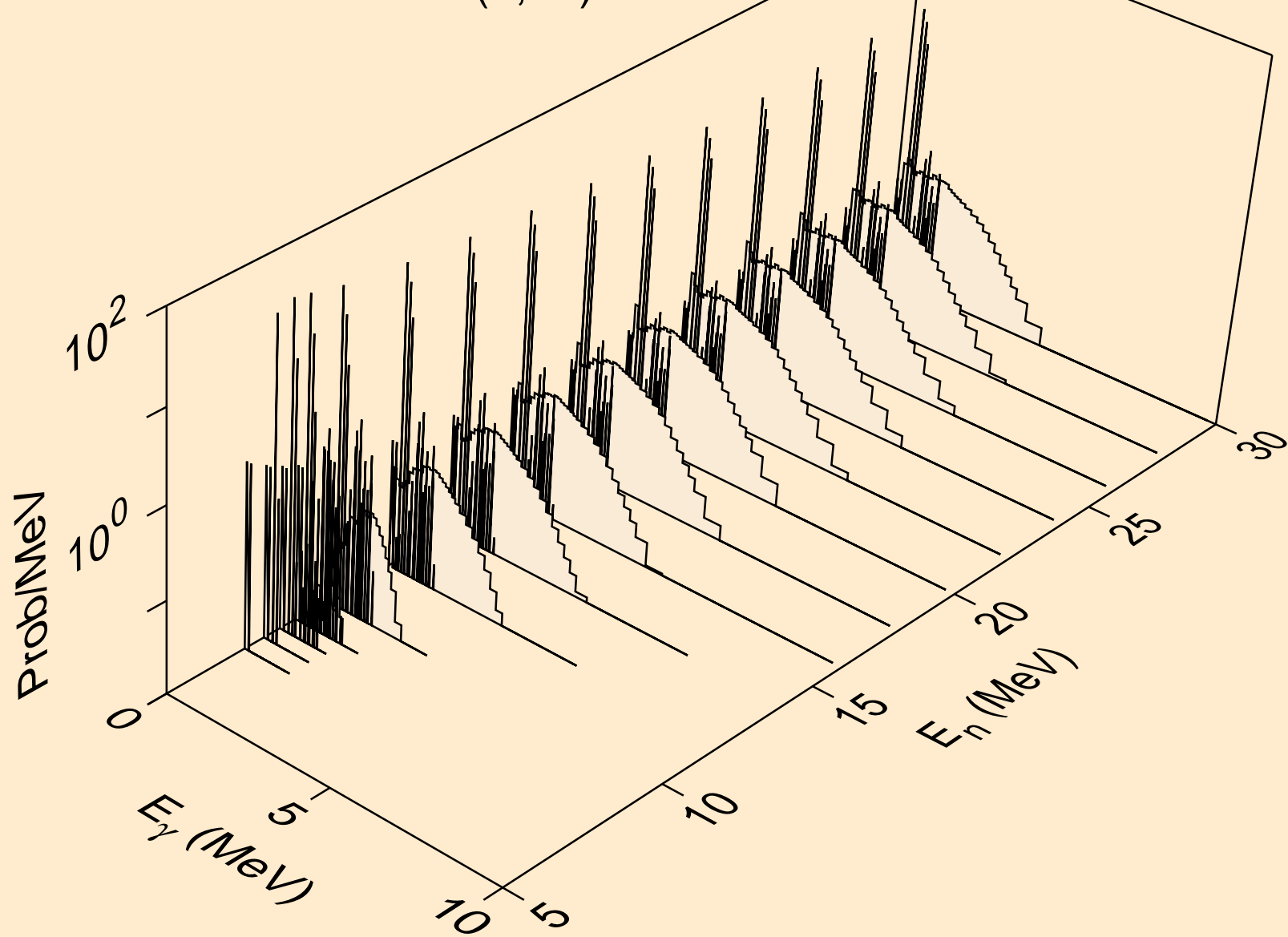
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



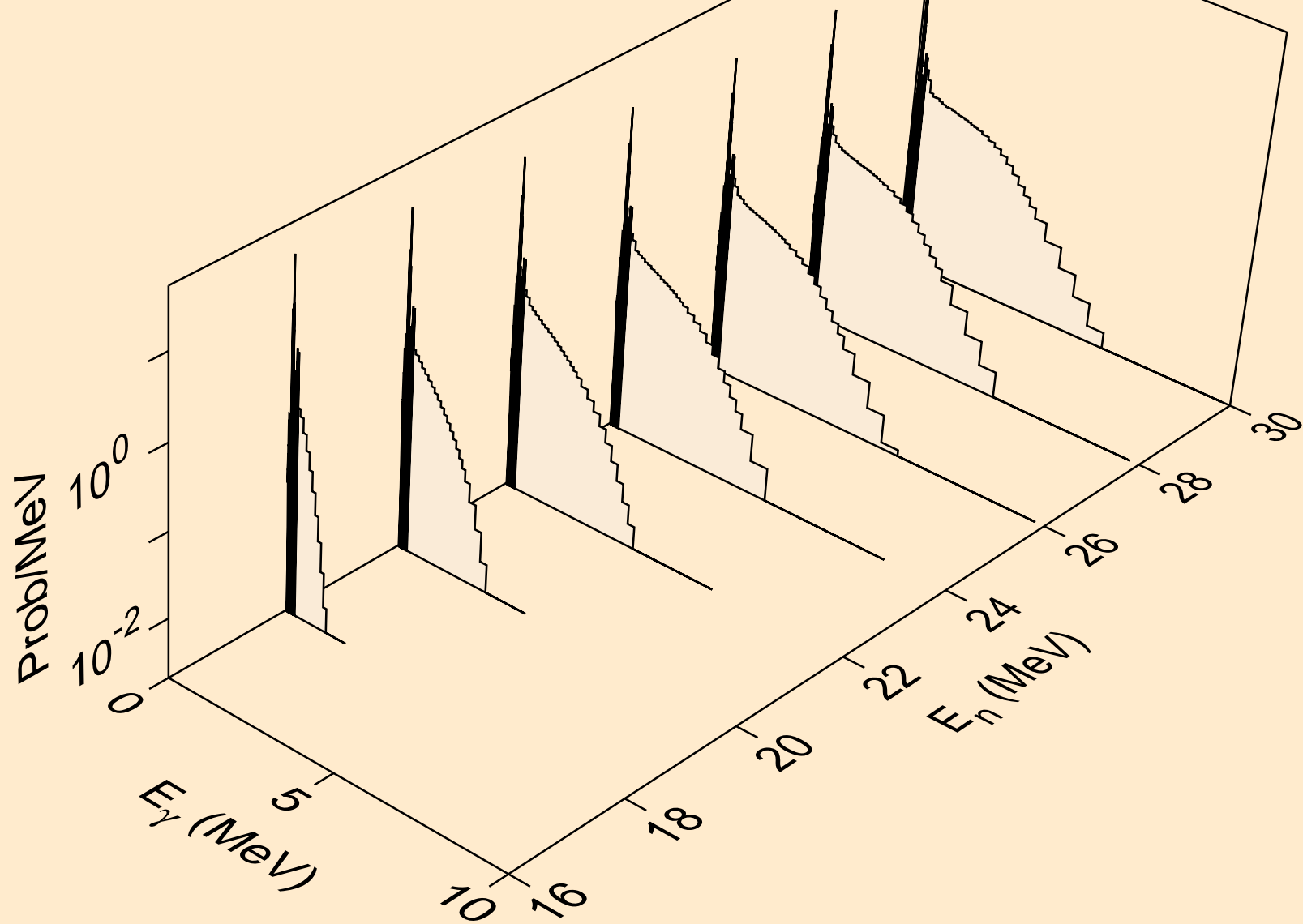
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



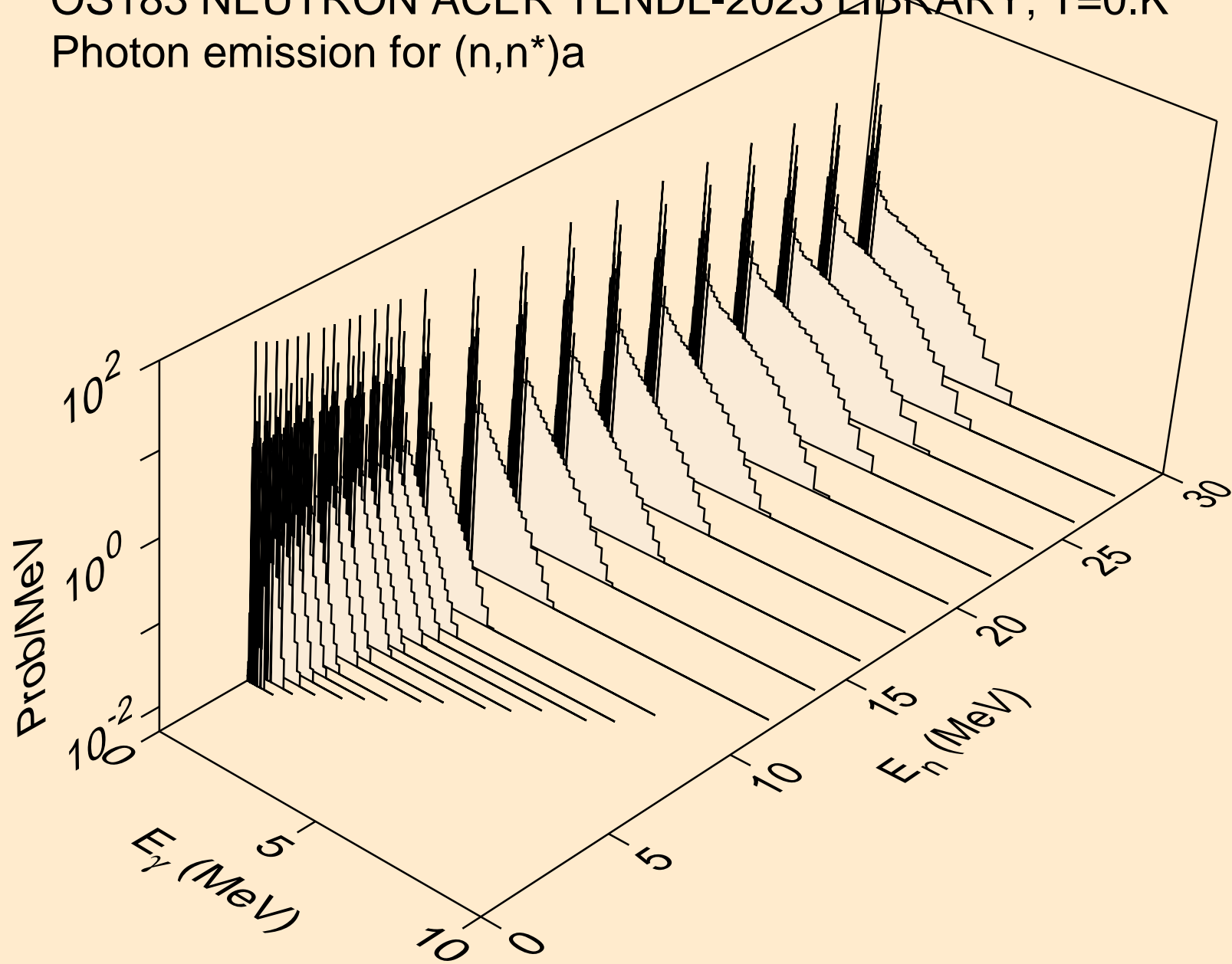
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



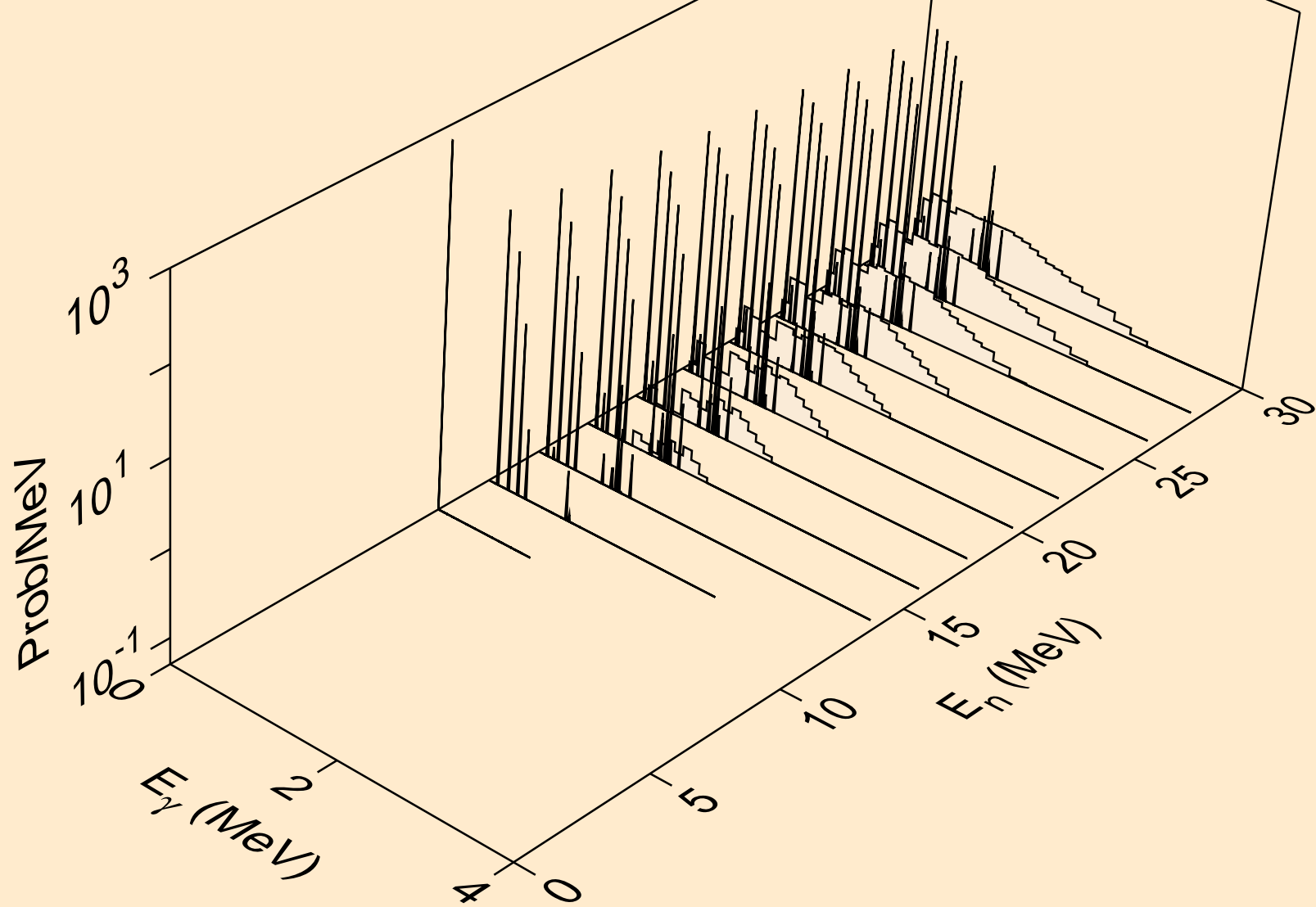
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



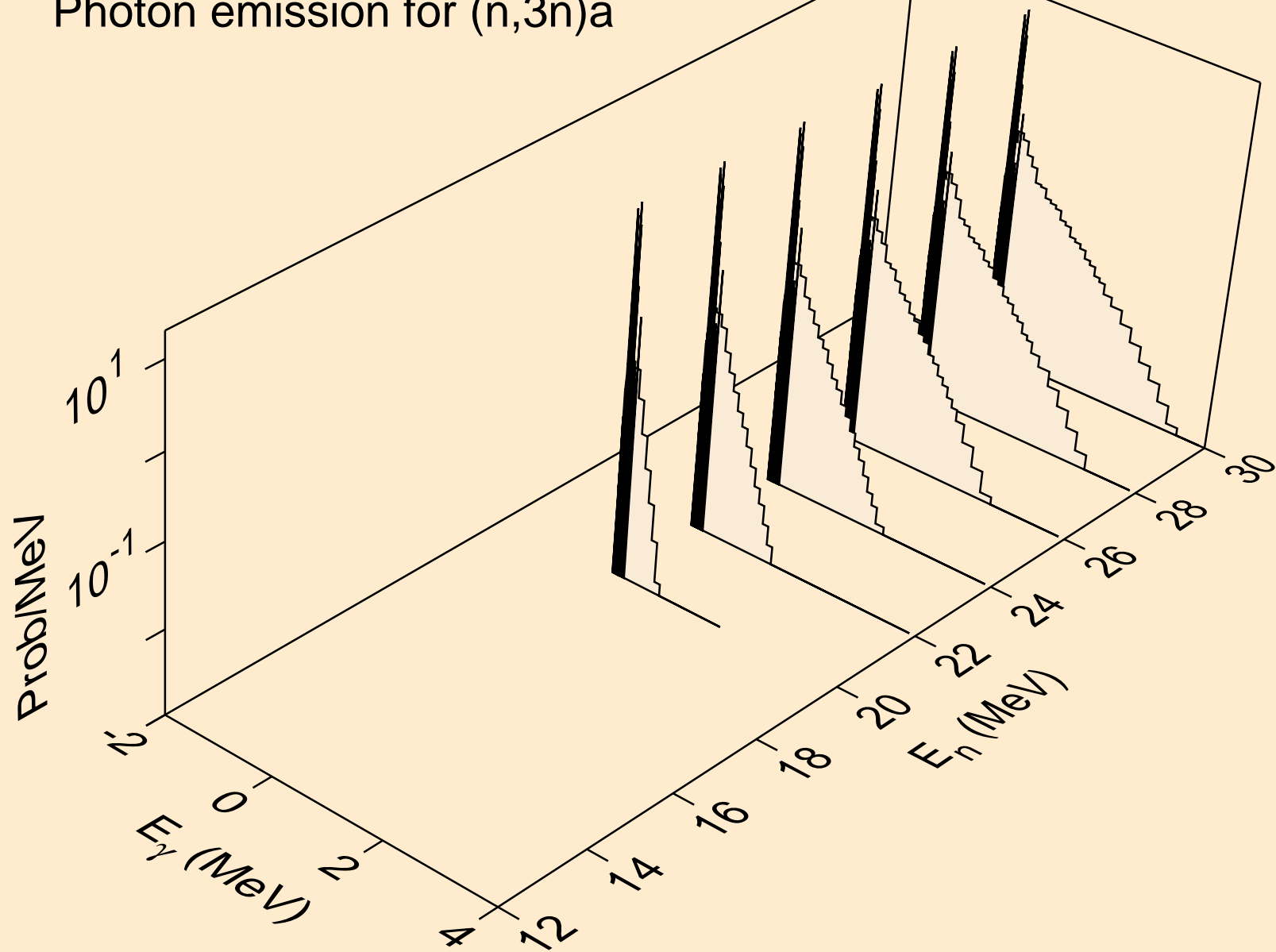
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

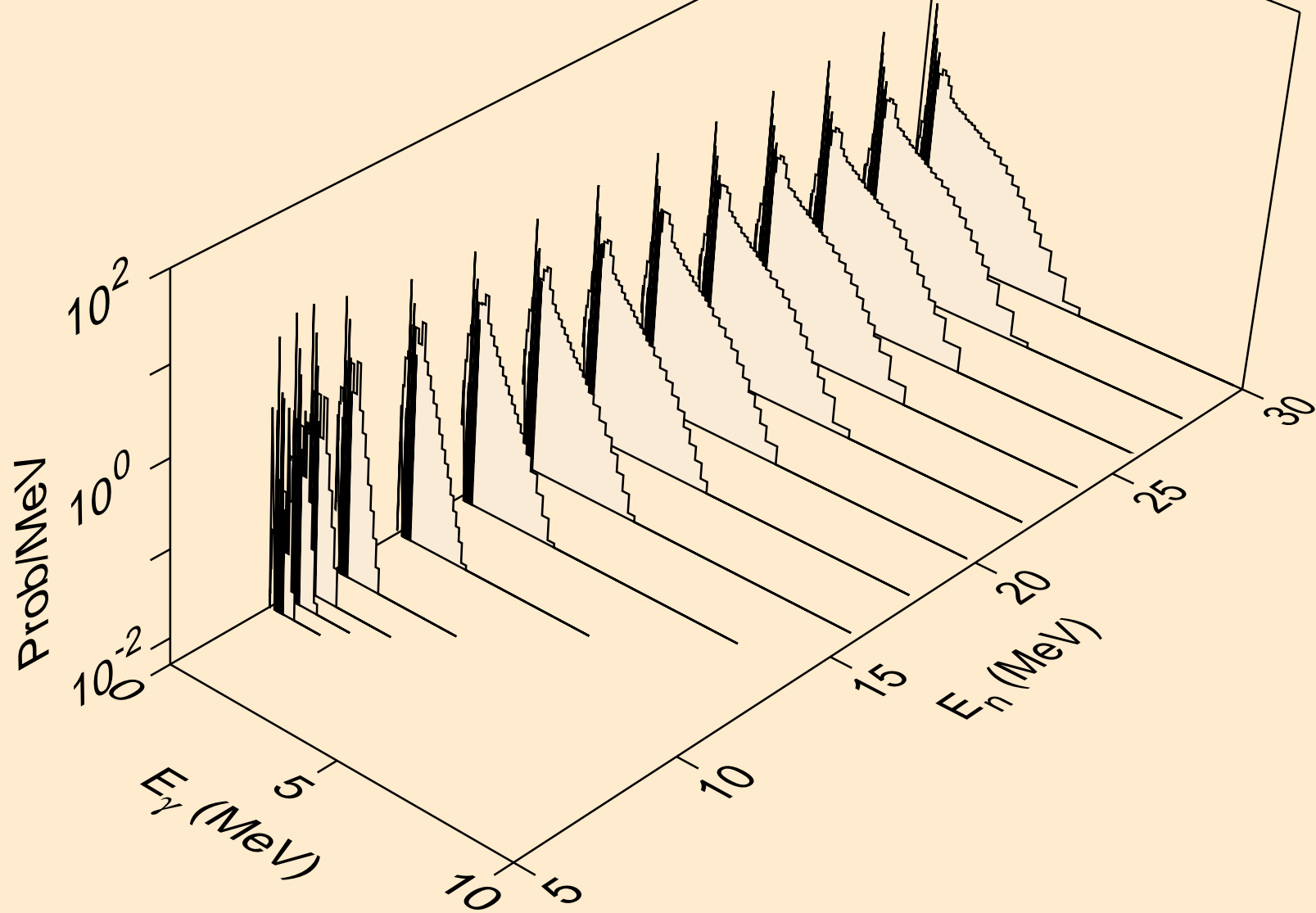


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

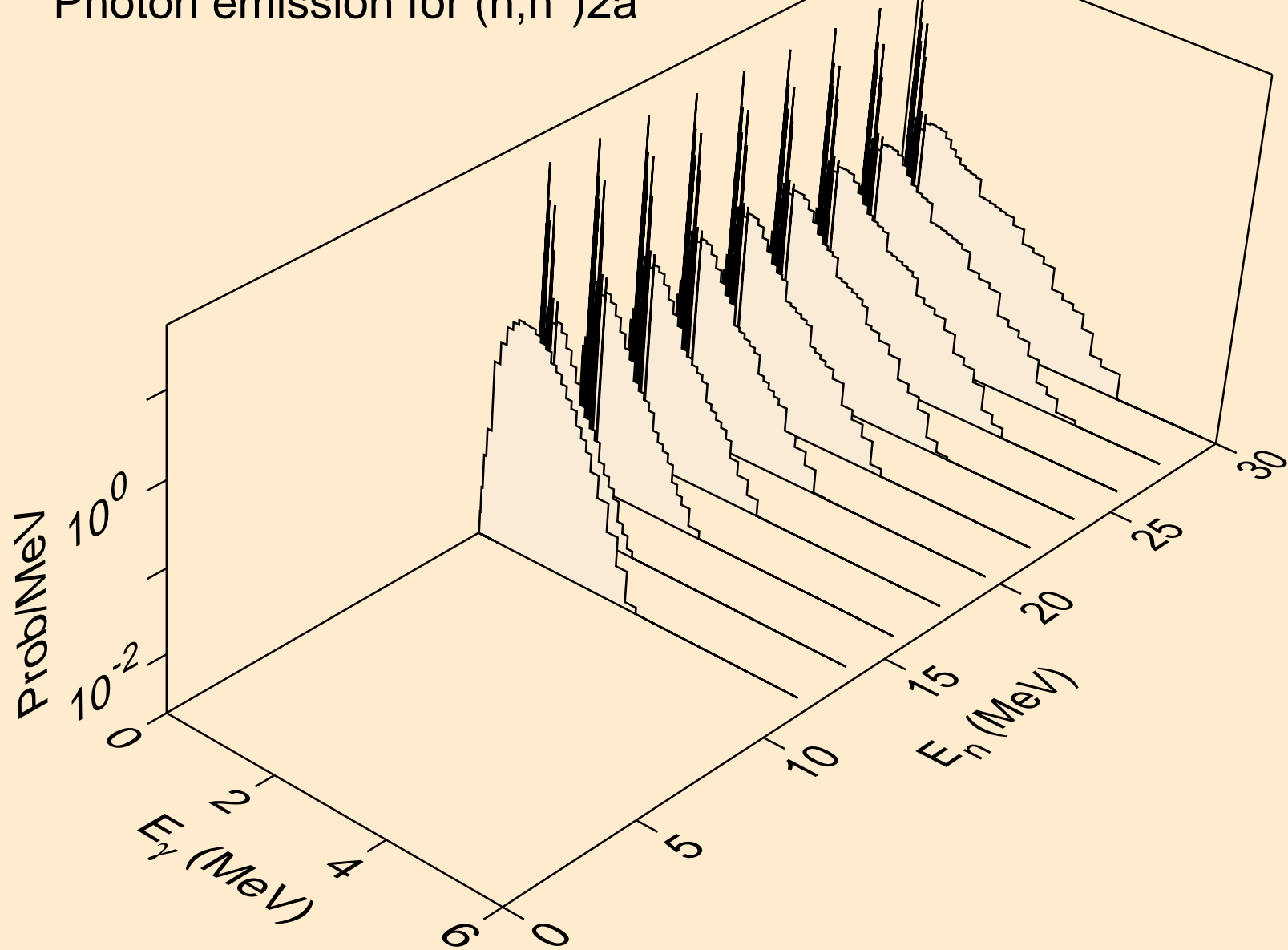




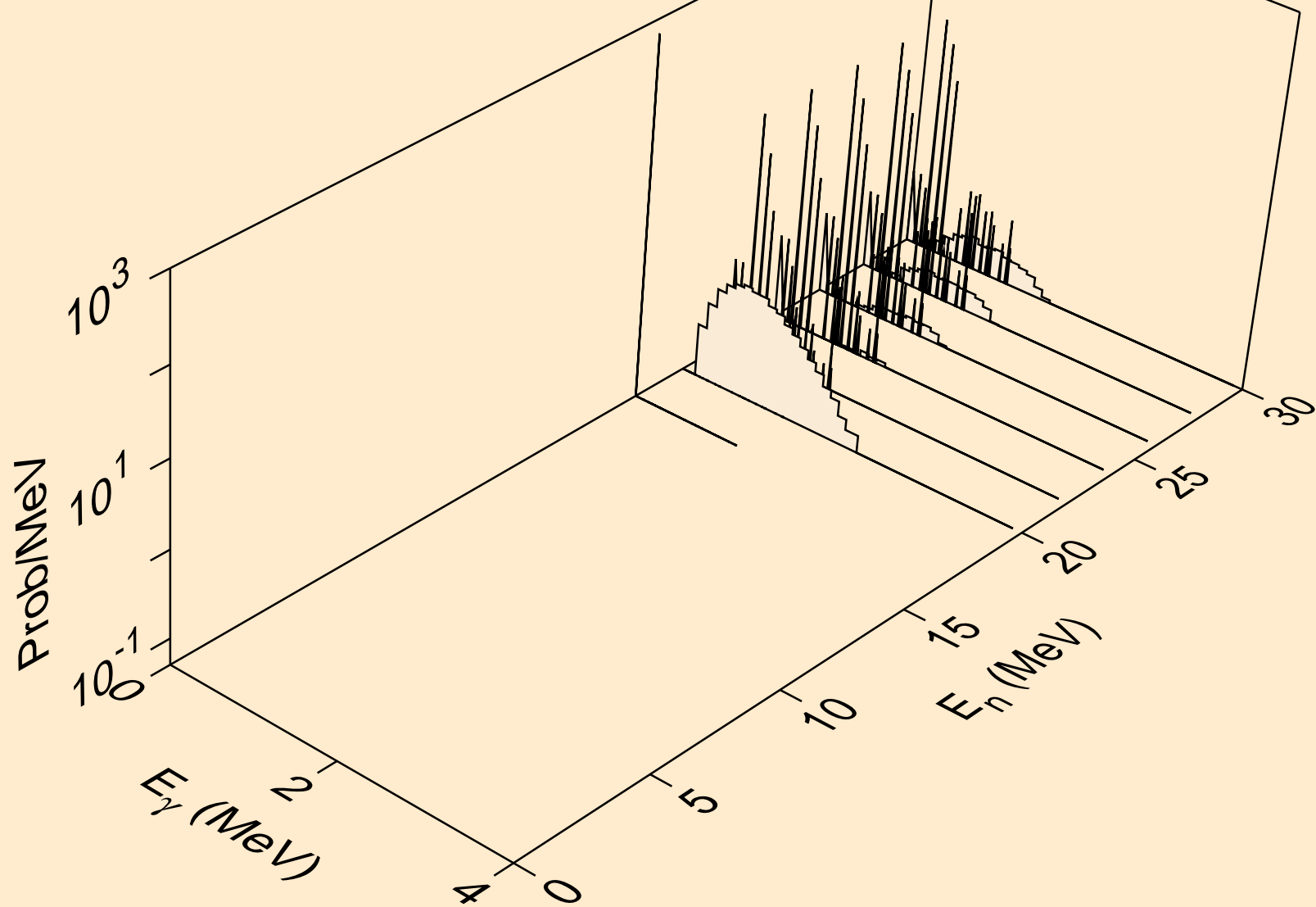
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



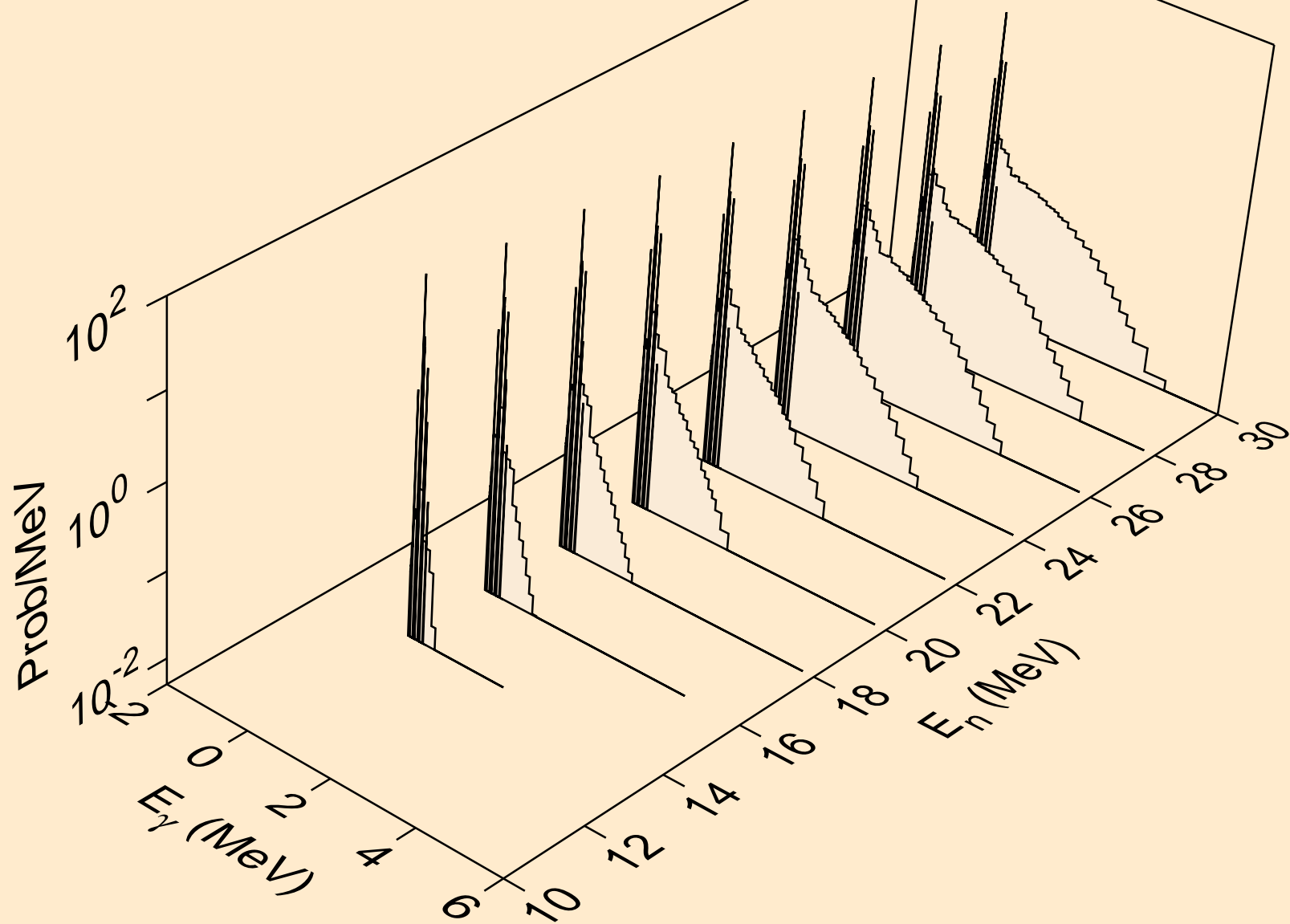
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Photon emission for (n,n\*)2a



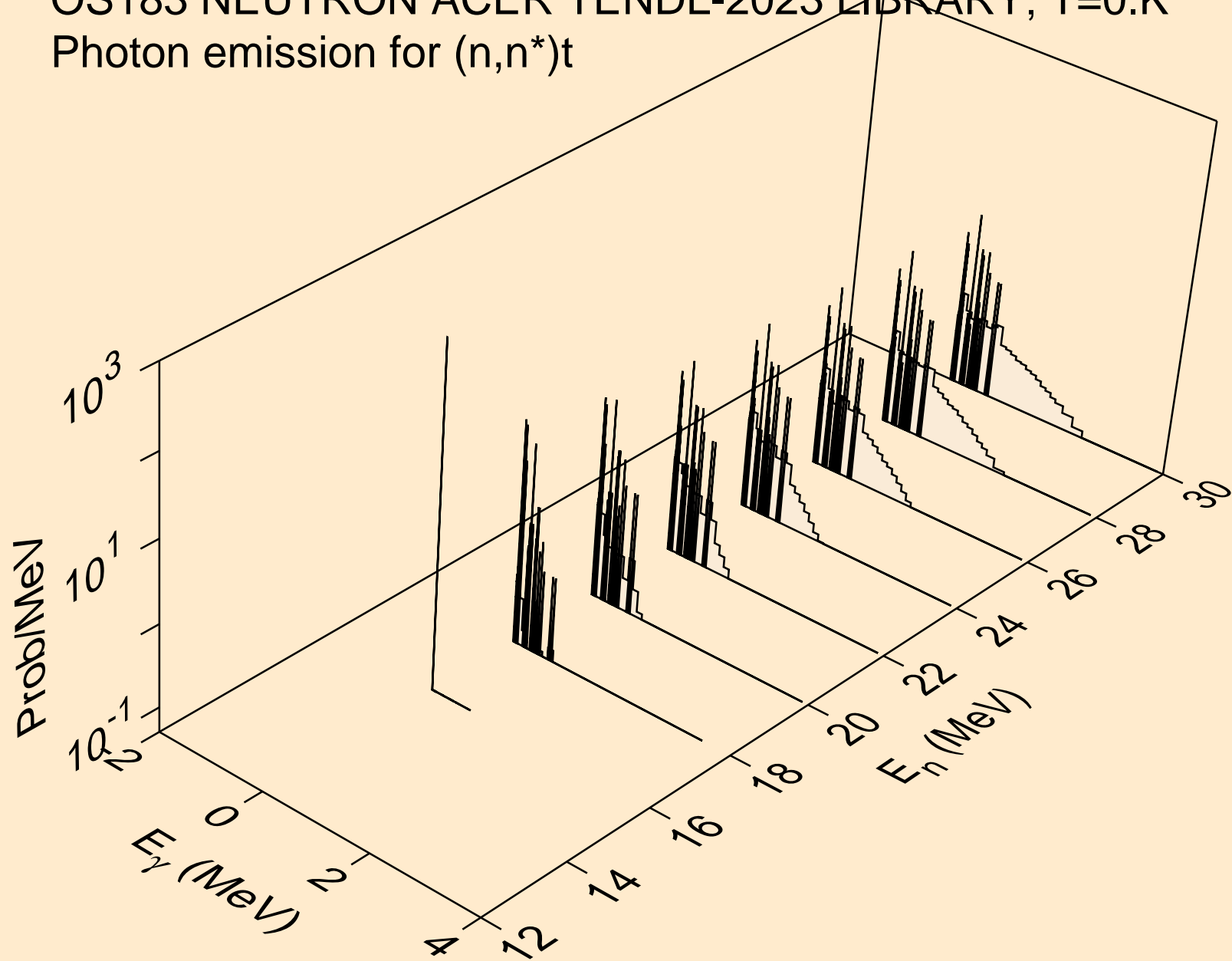
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Photon emission for (n,2n)2a



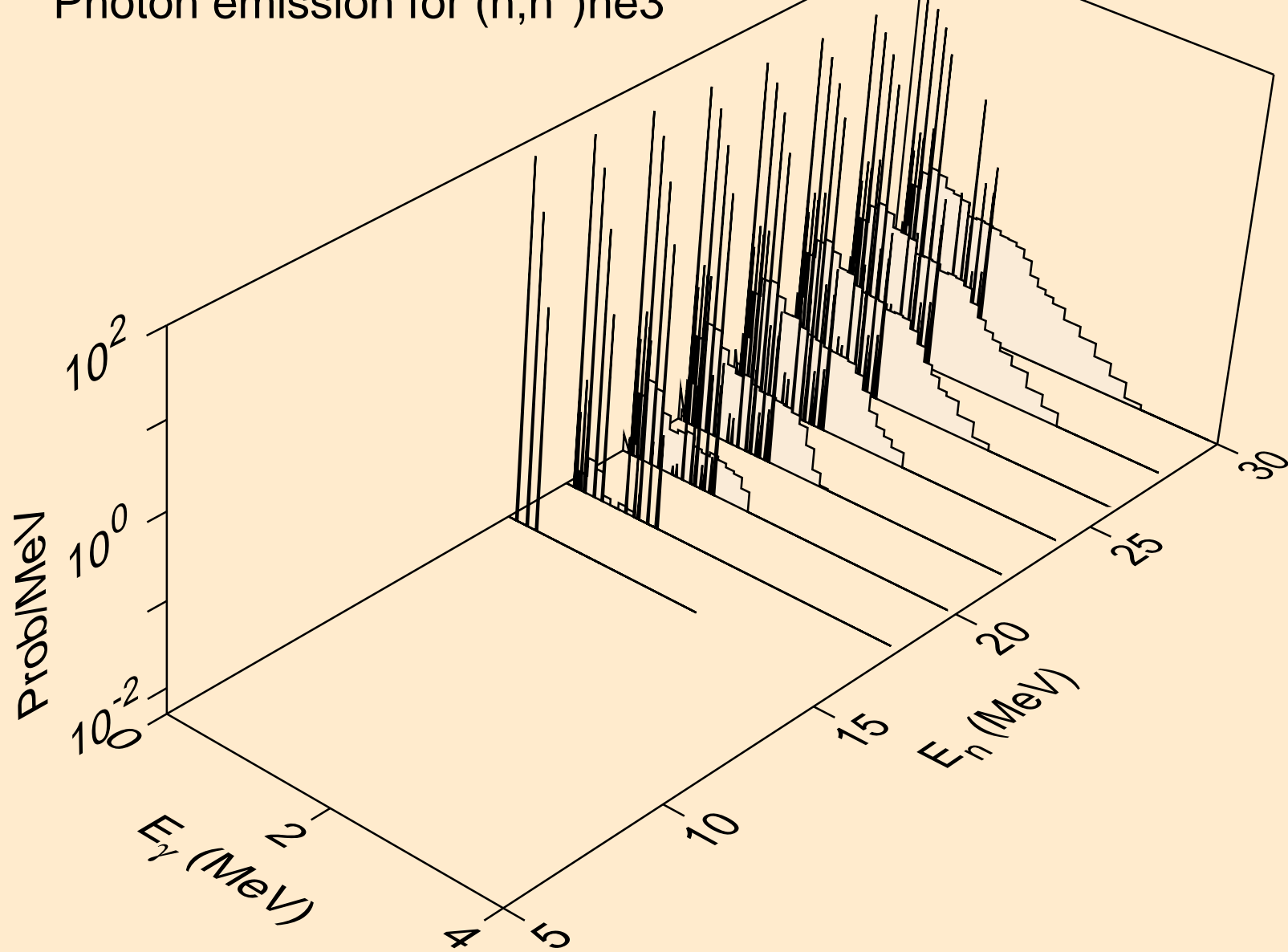
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Photon emission for (n,n\*)d



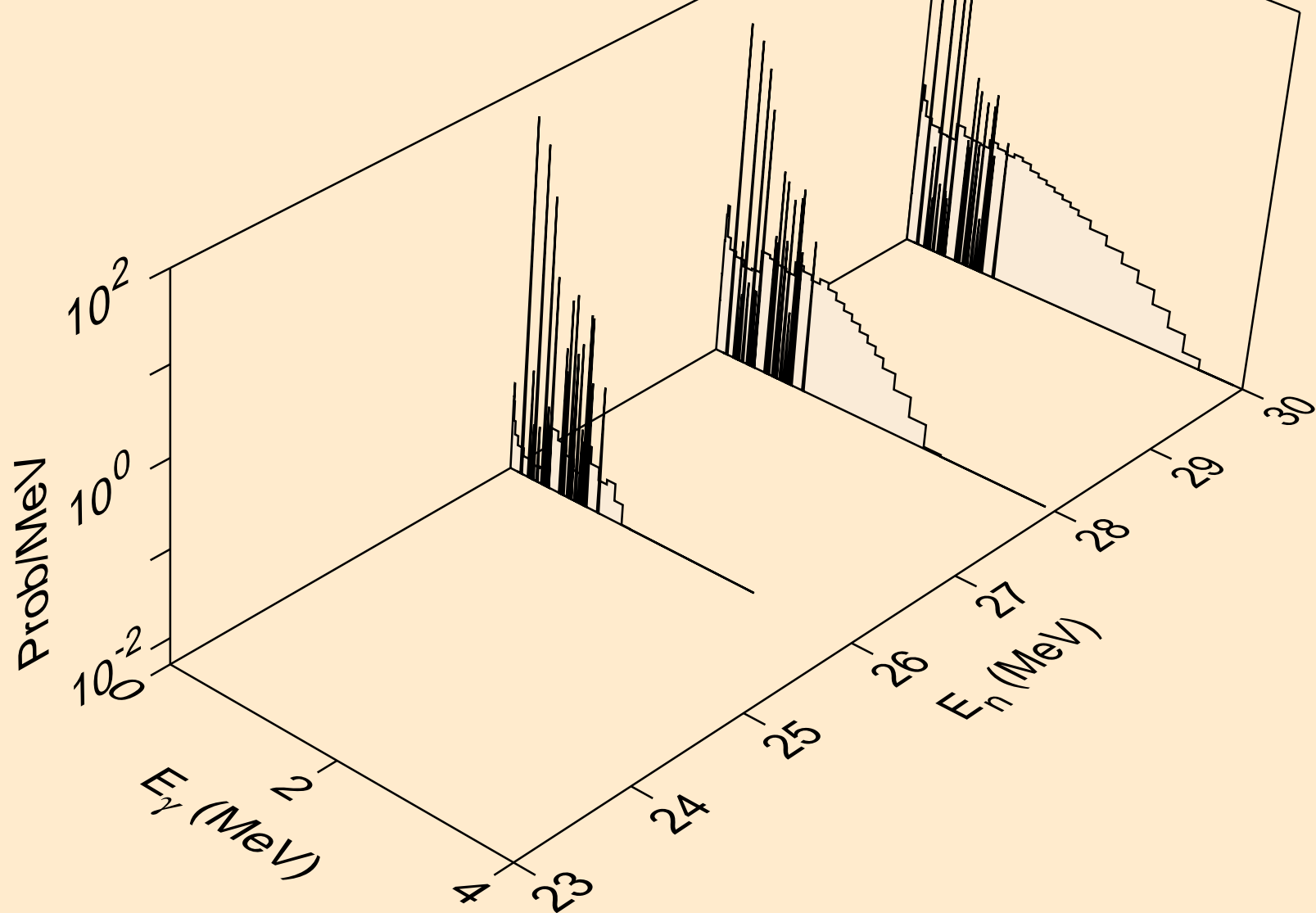
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Photon emission for (n,n\*)t



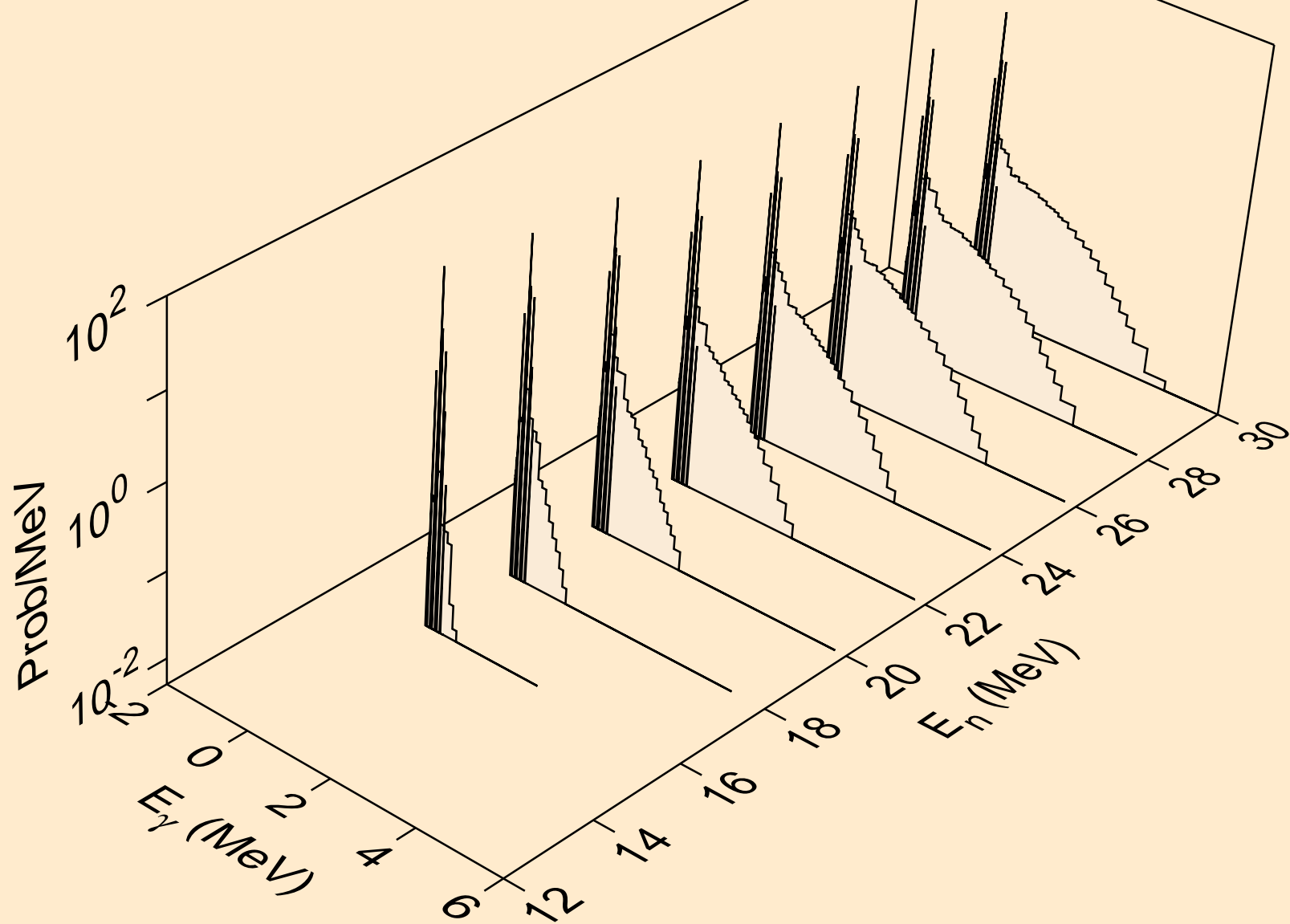
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

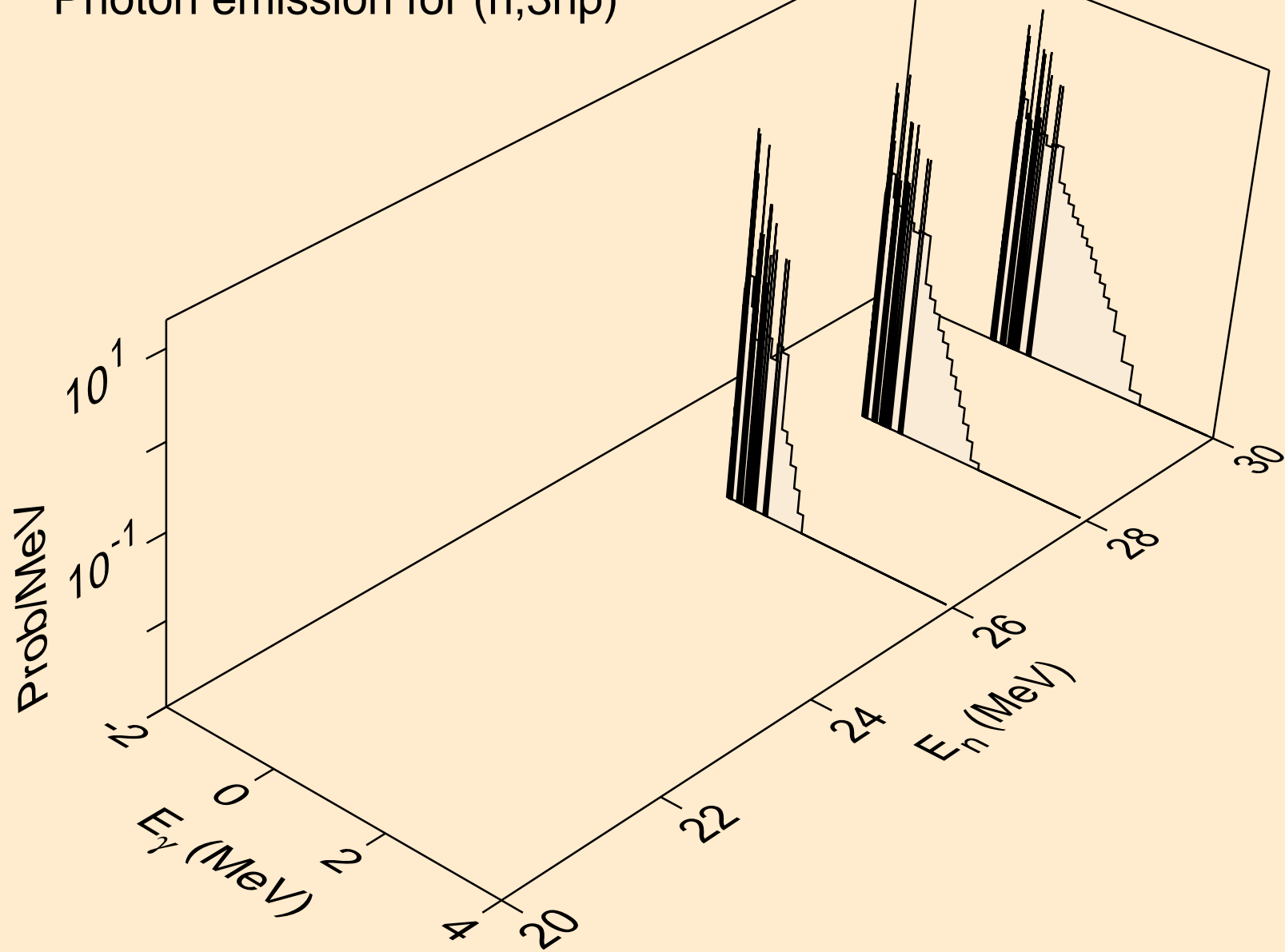


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

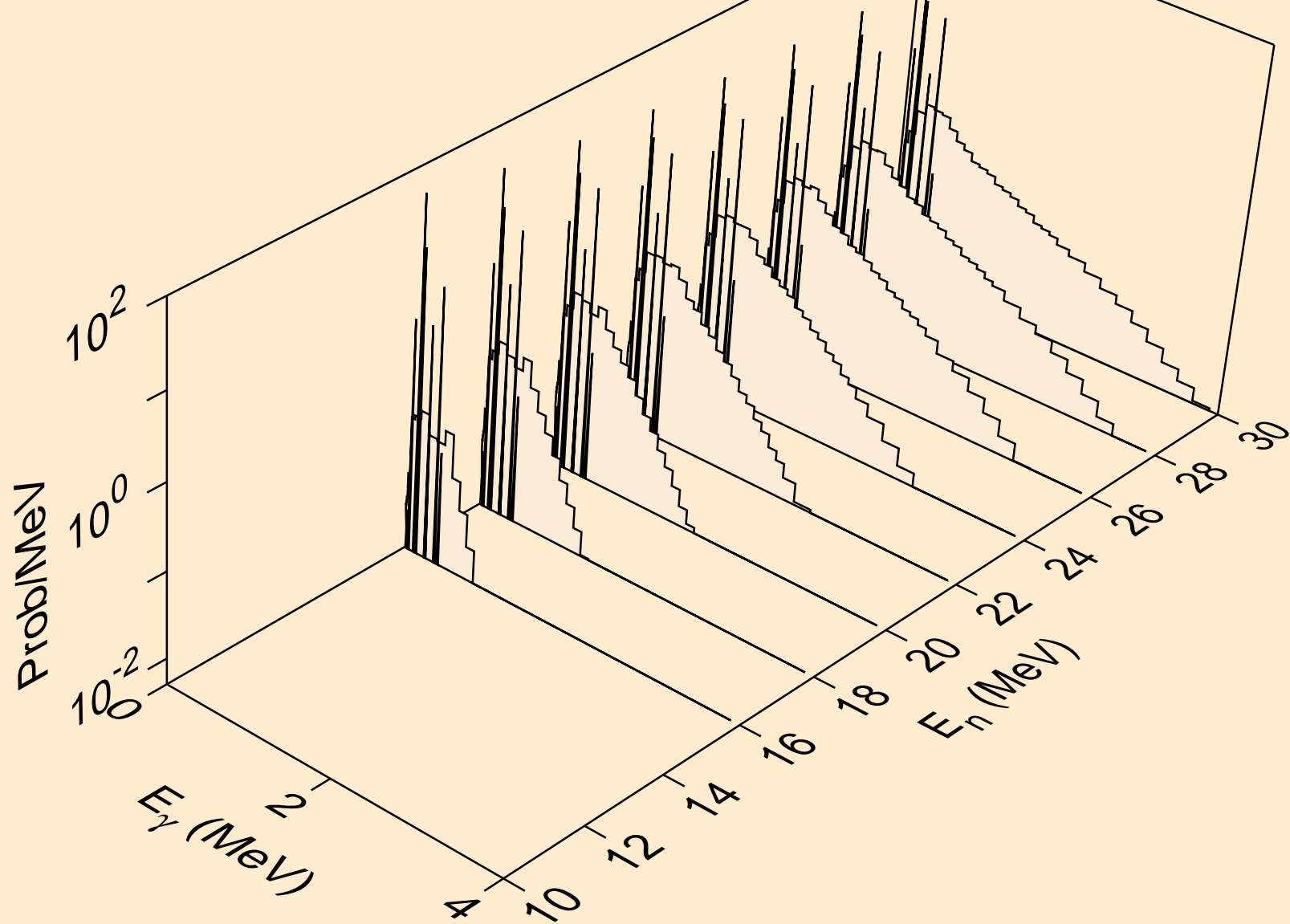




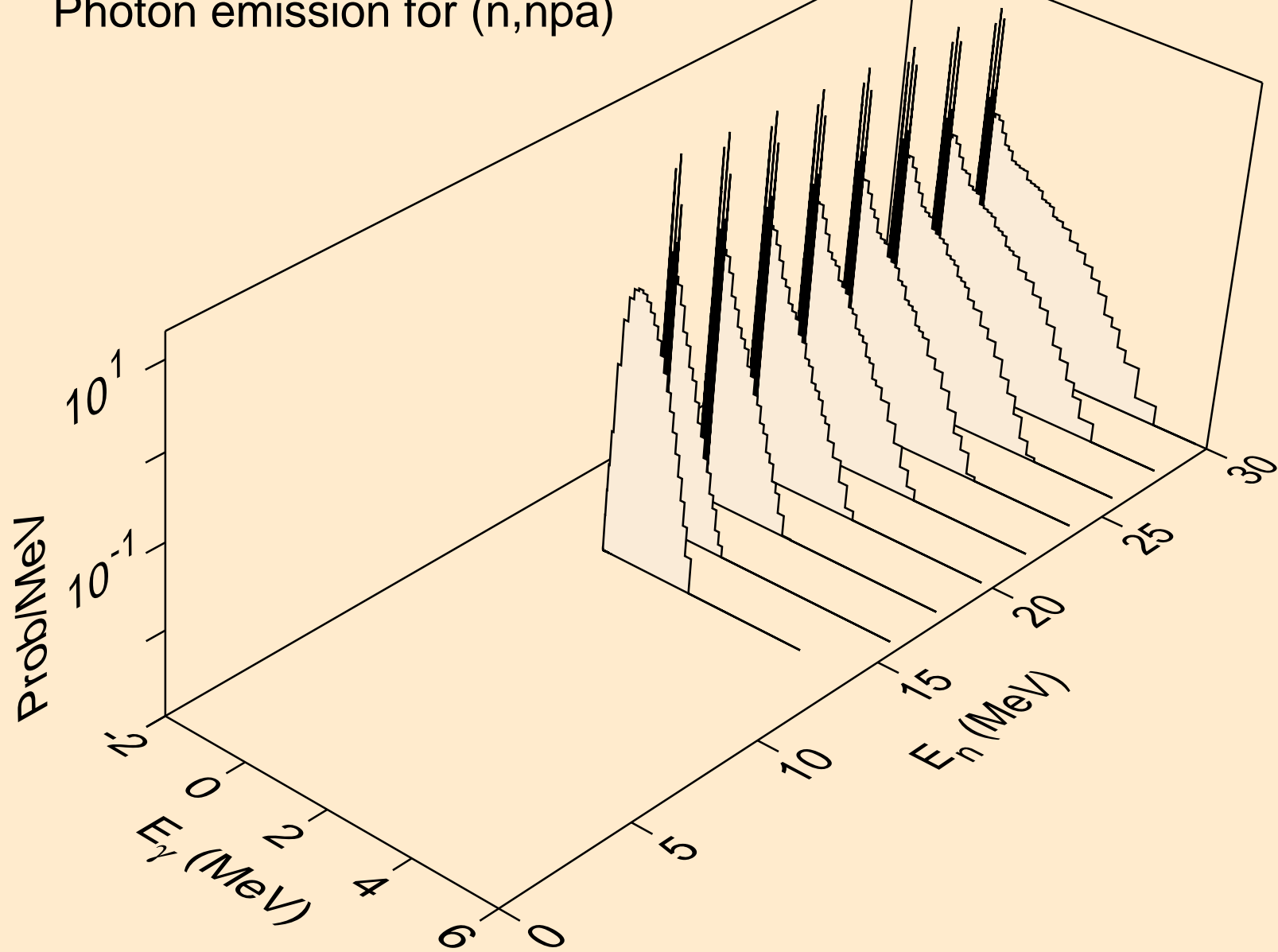
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



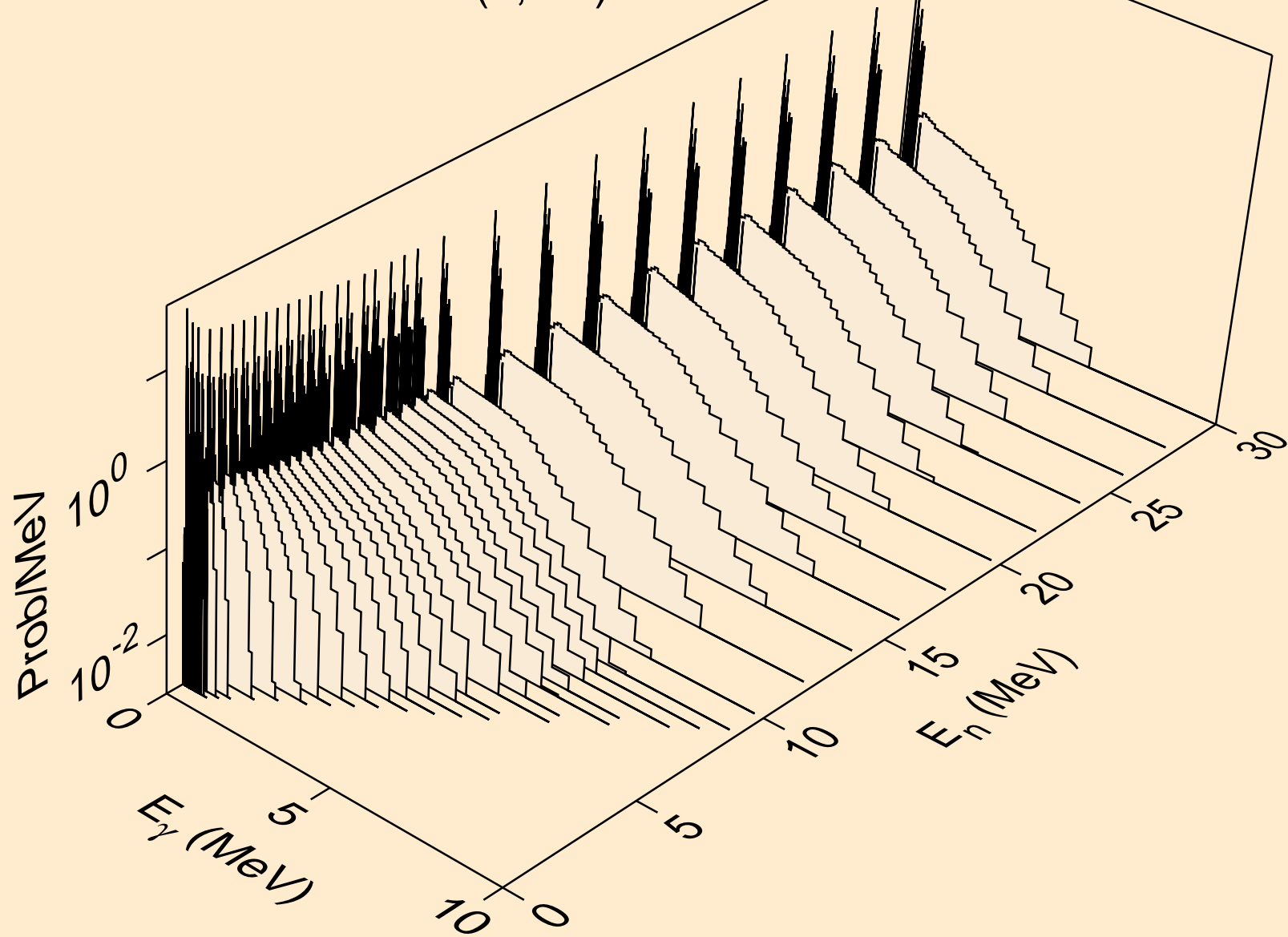
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Photon emission for (n,n2p)



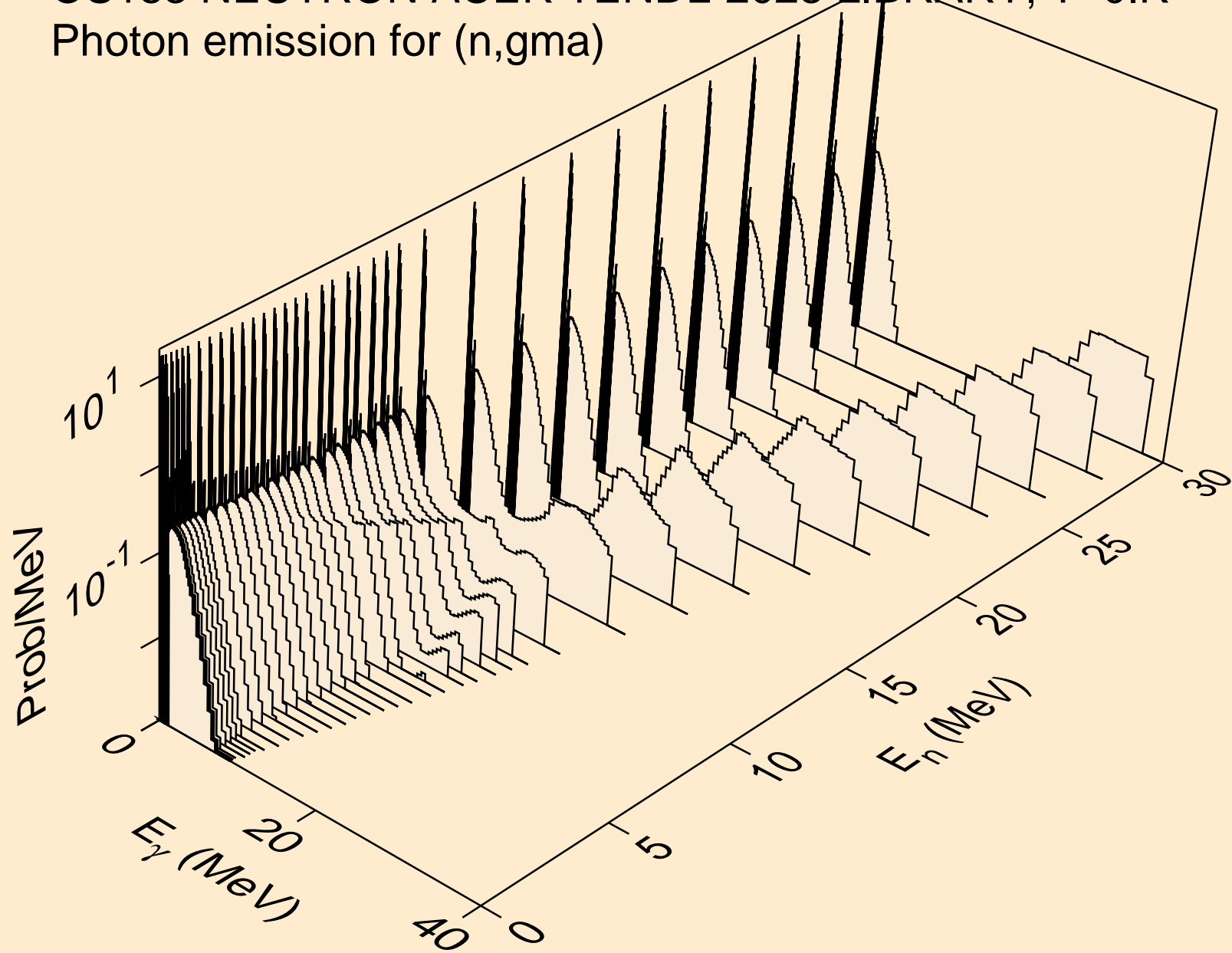
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Photon emission for (n,npa)



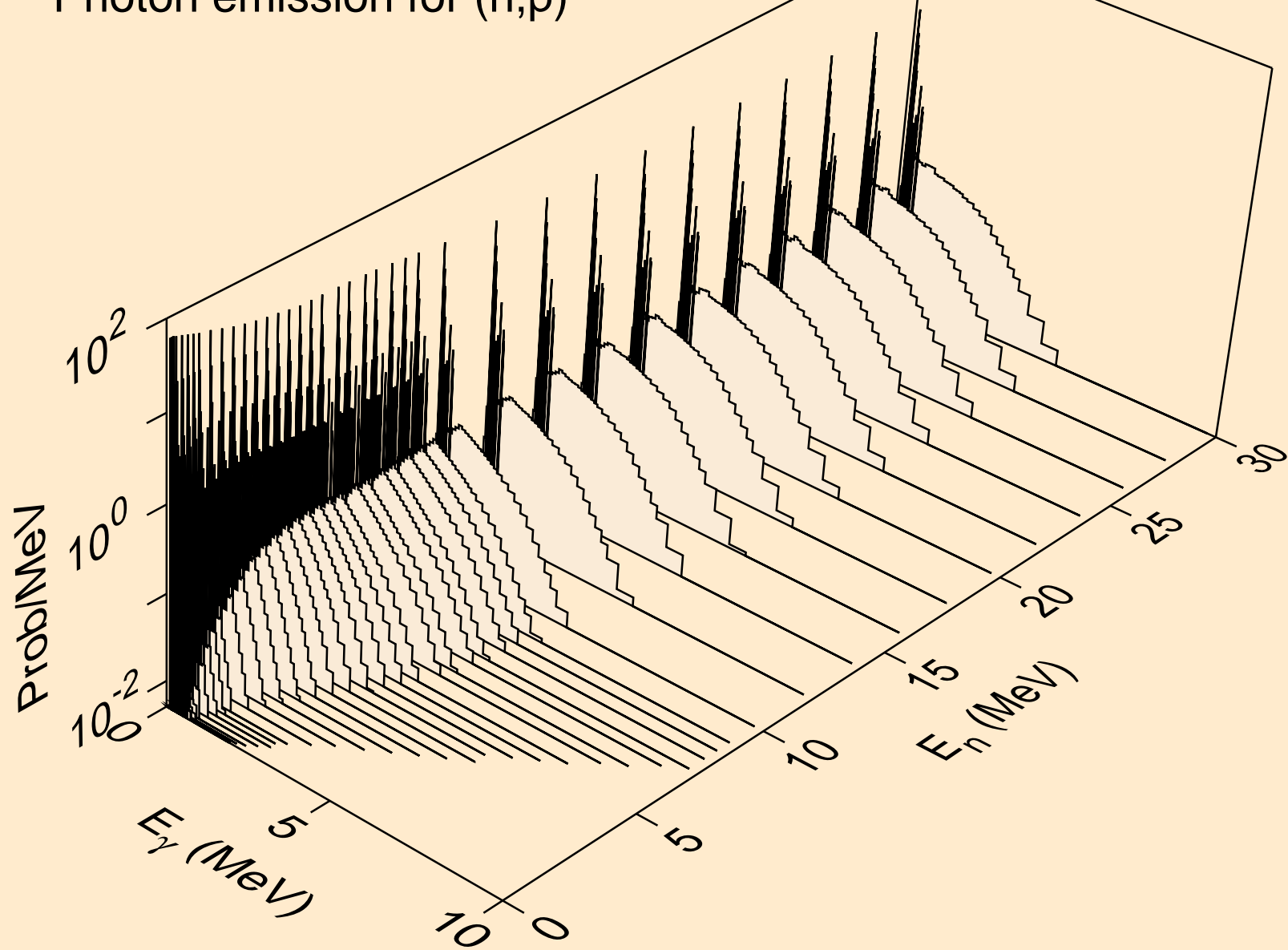
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Photon emission for (n,n\*c)



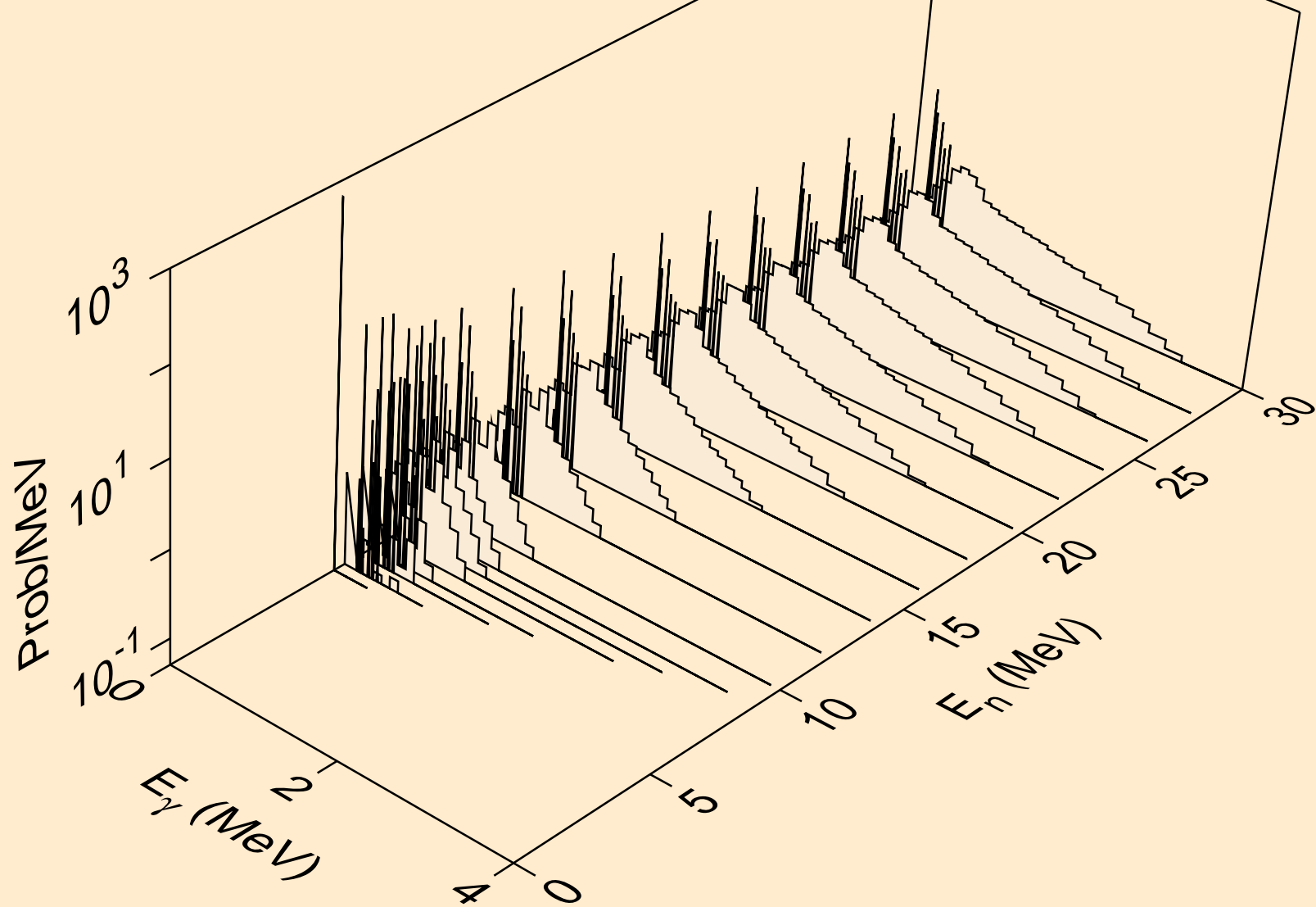
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Photon emission for (n,gma)



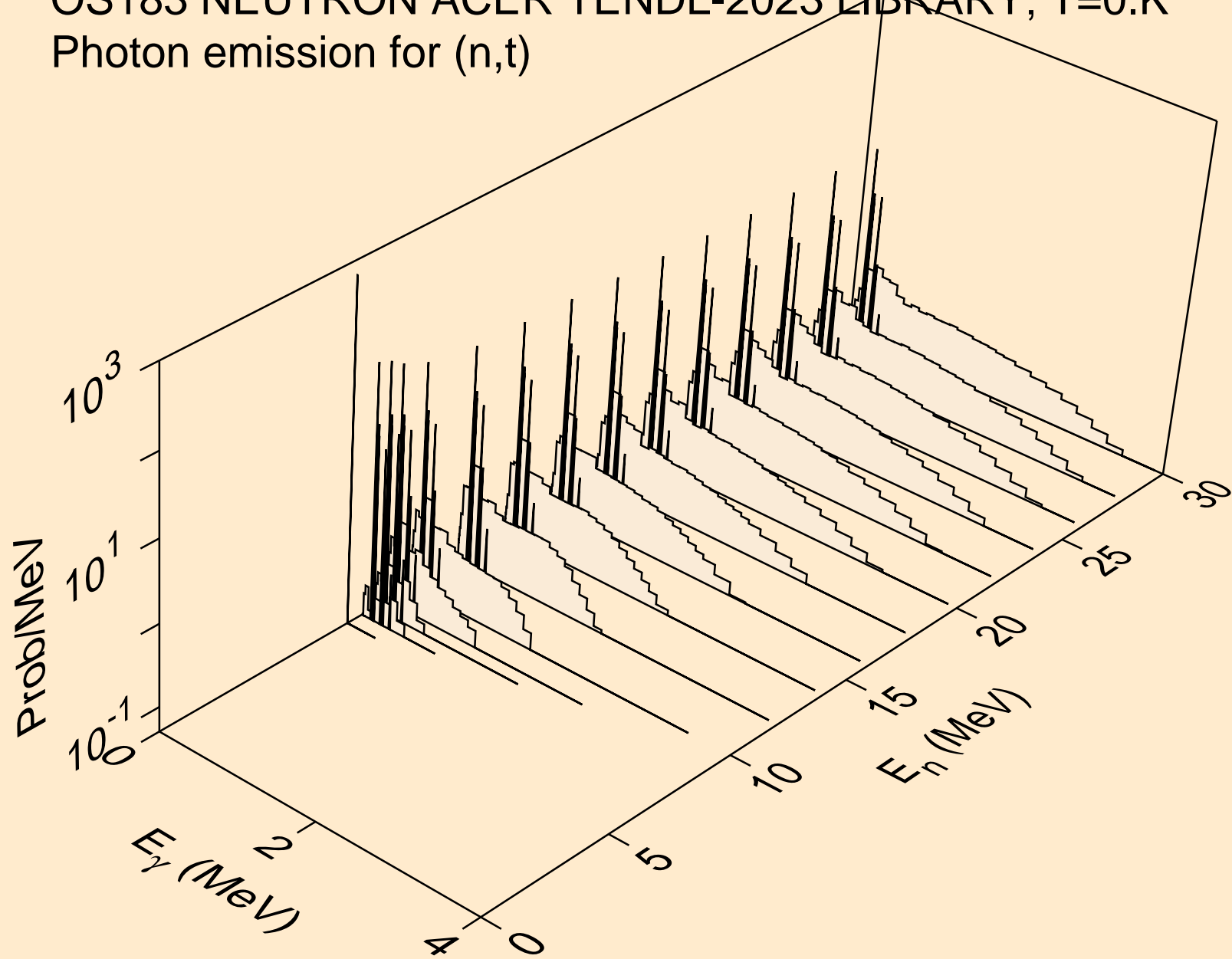
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

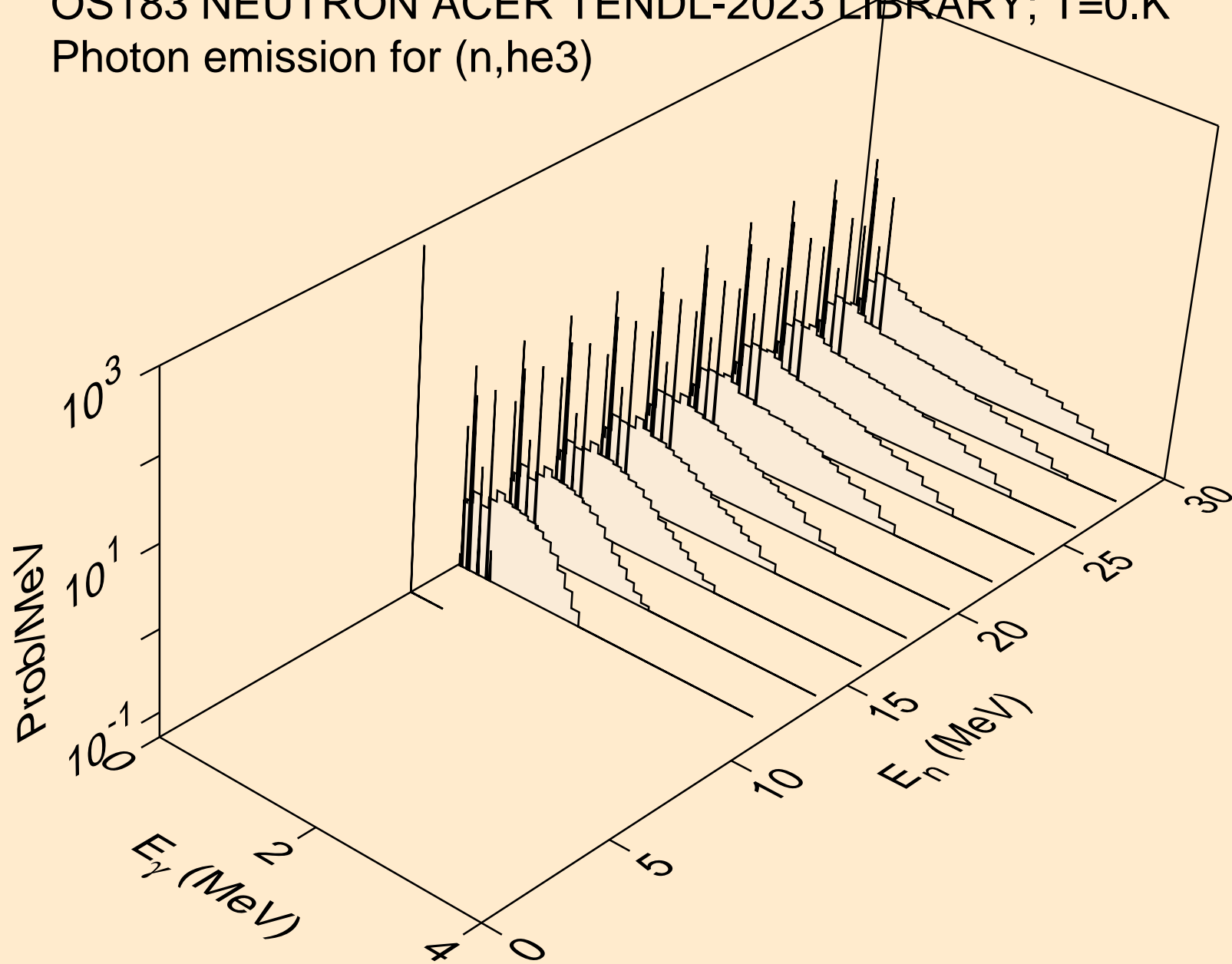


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

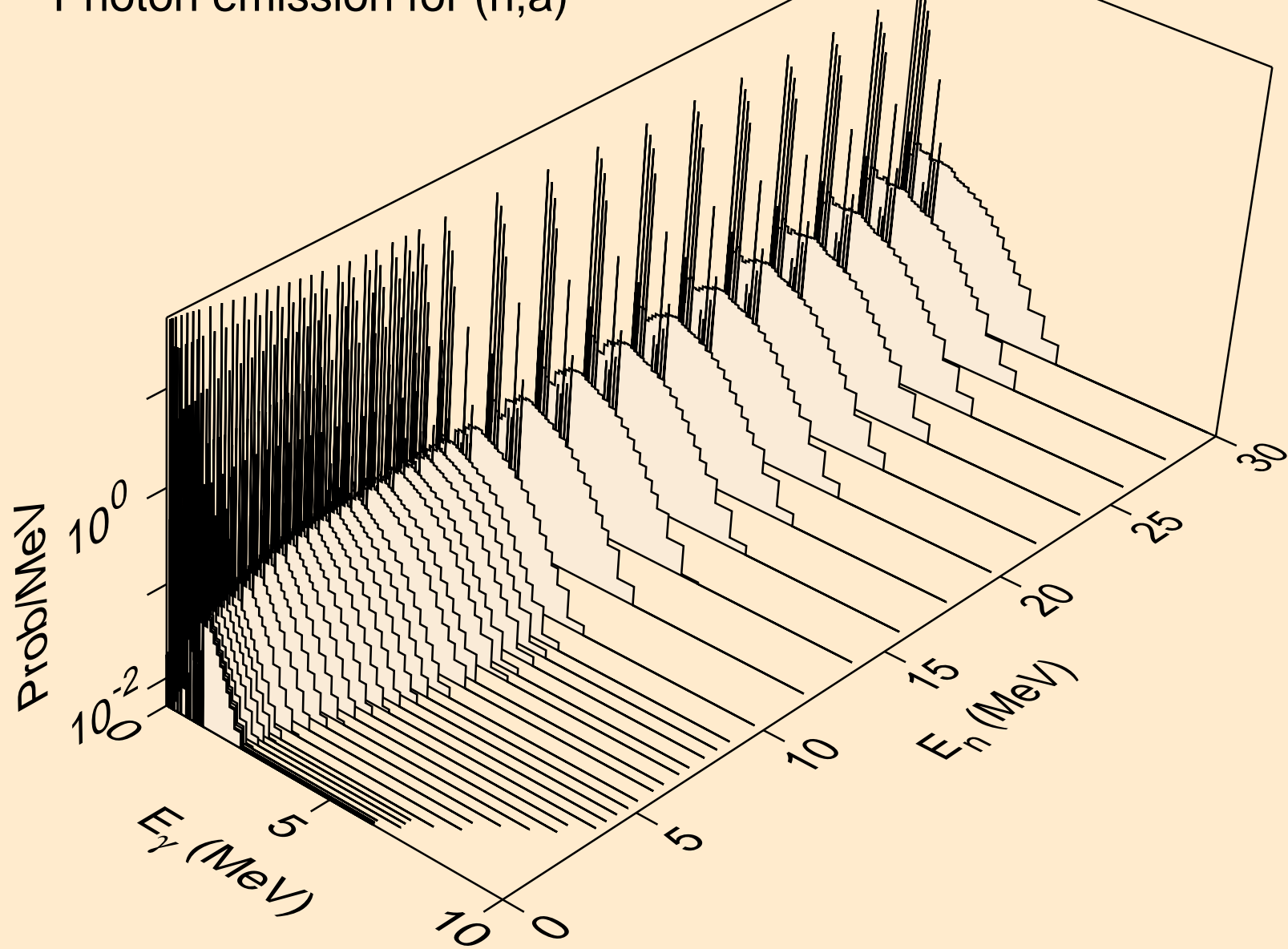




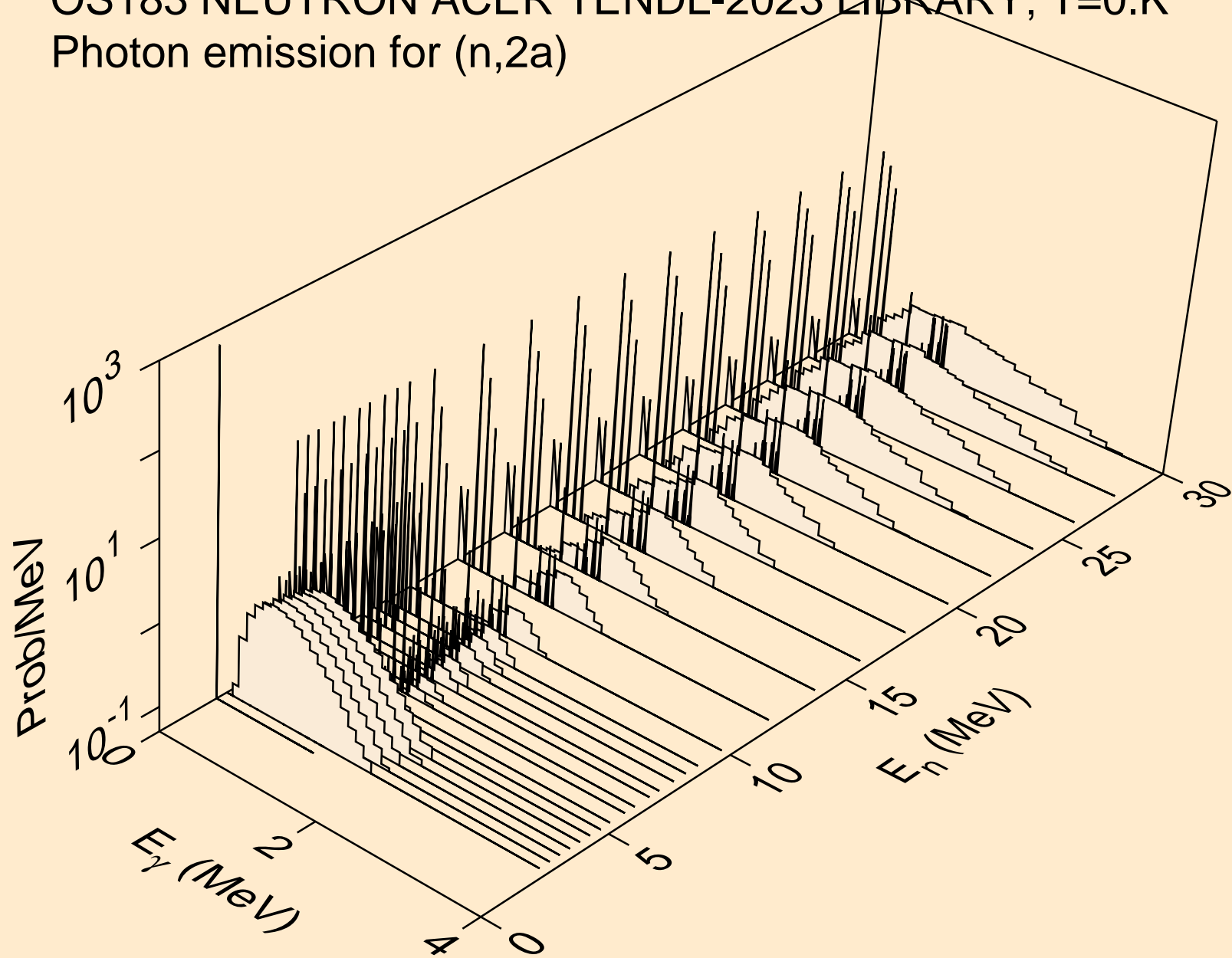
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Photon emission for (n,he3)



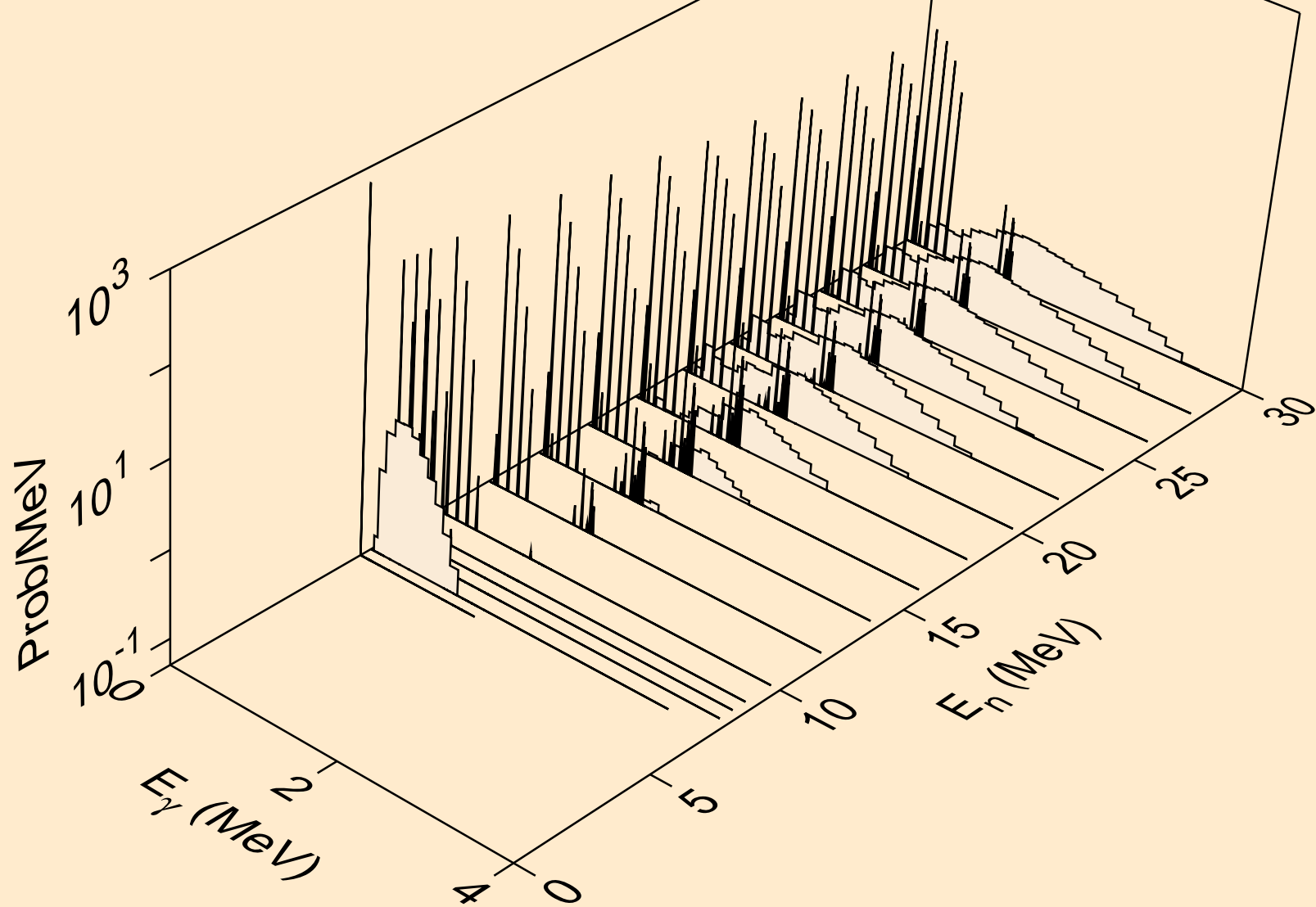
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Photon emission for (n,a)



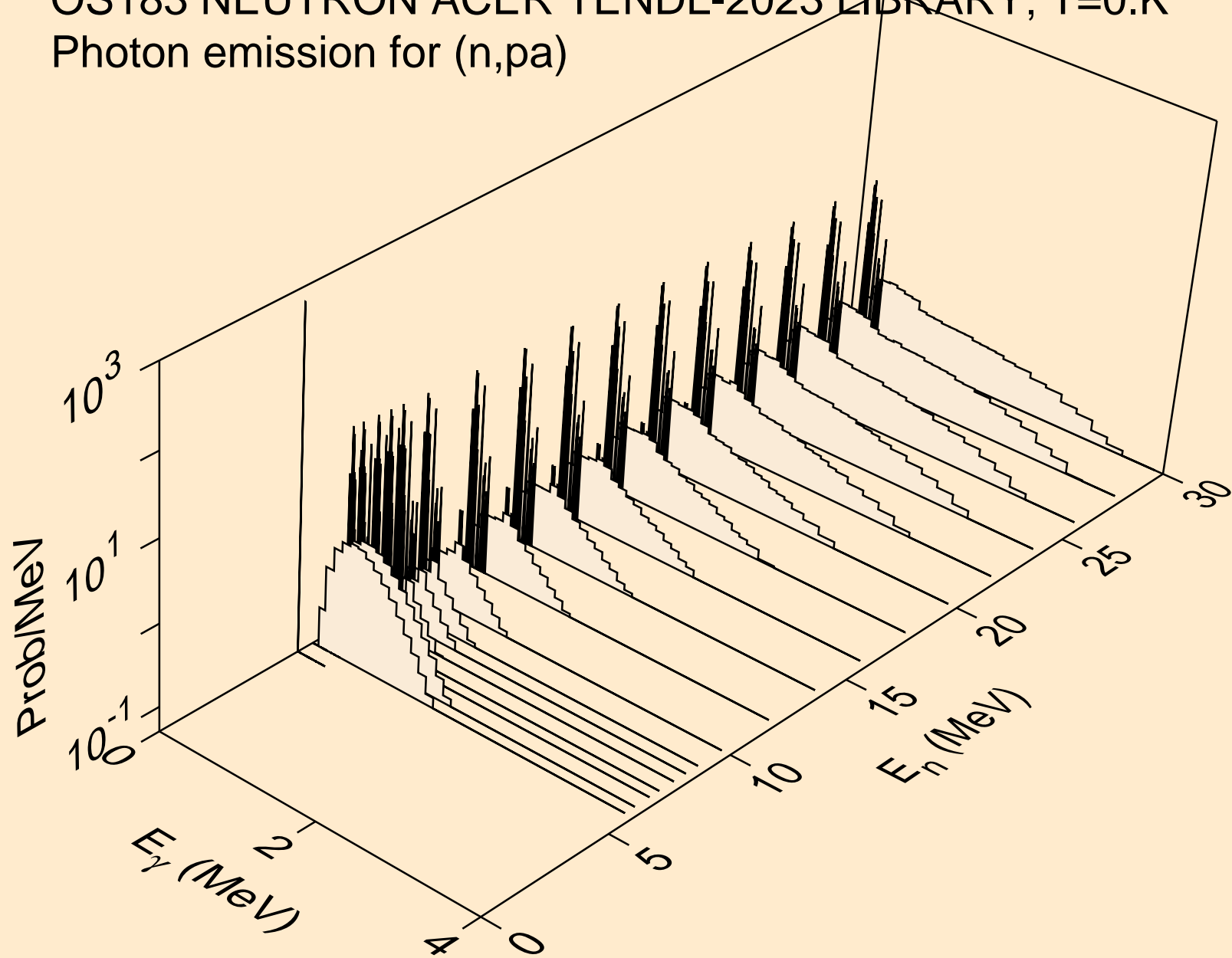
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Photon emission for (n,2a)



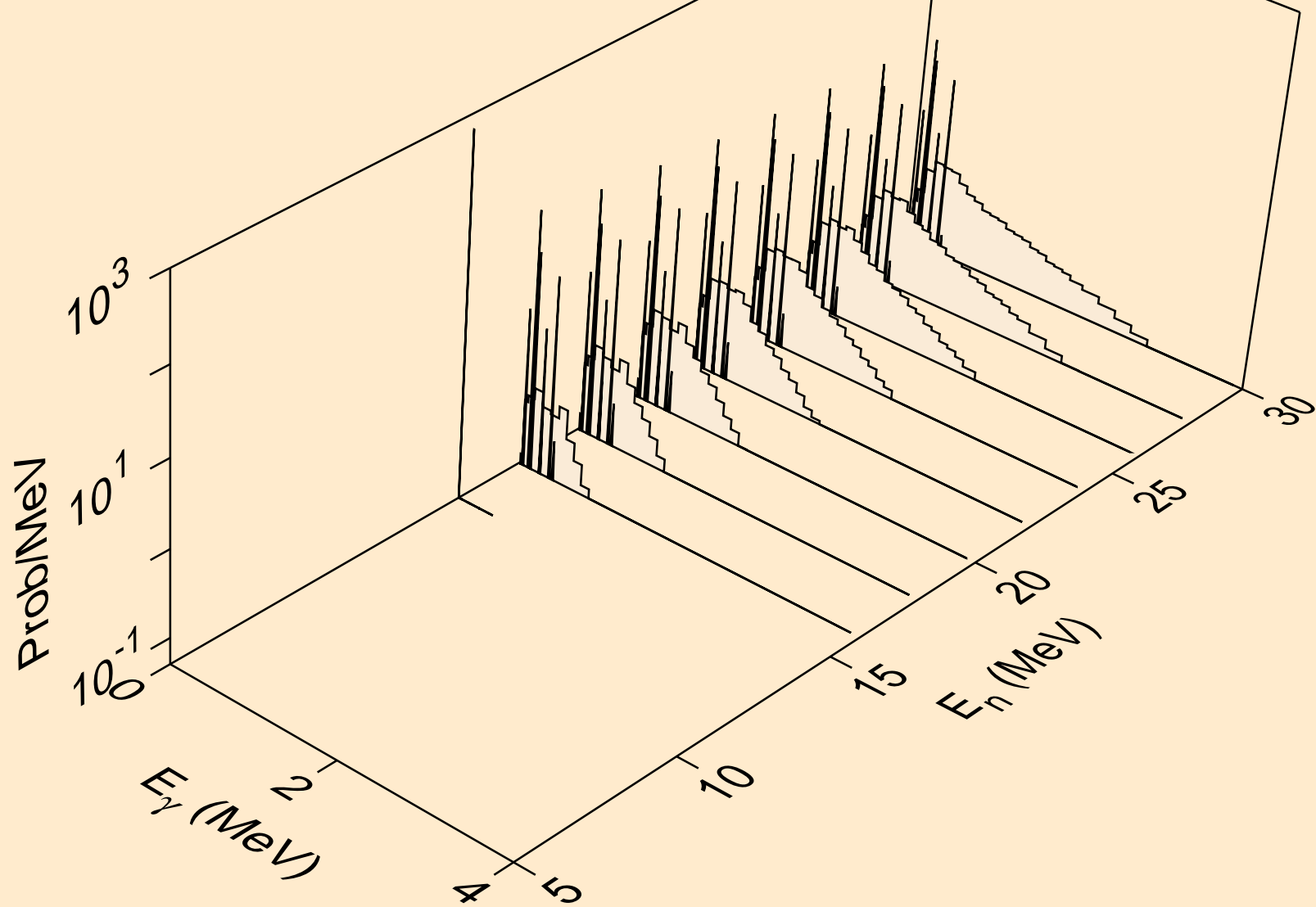
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Photon emission for (n,2p)



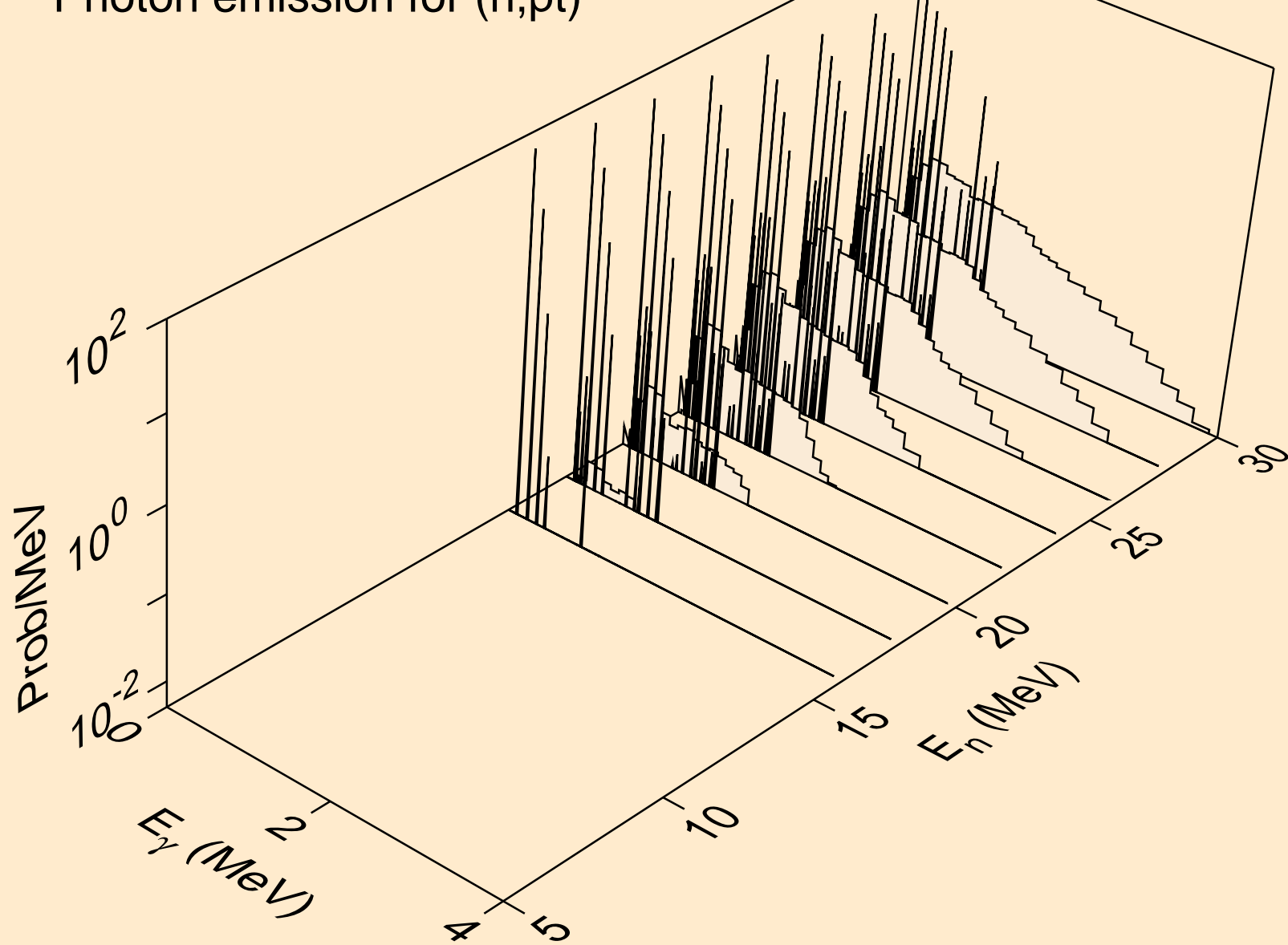
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Photon emission for (n,p)



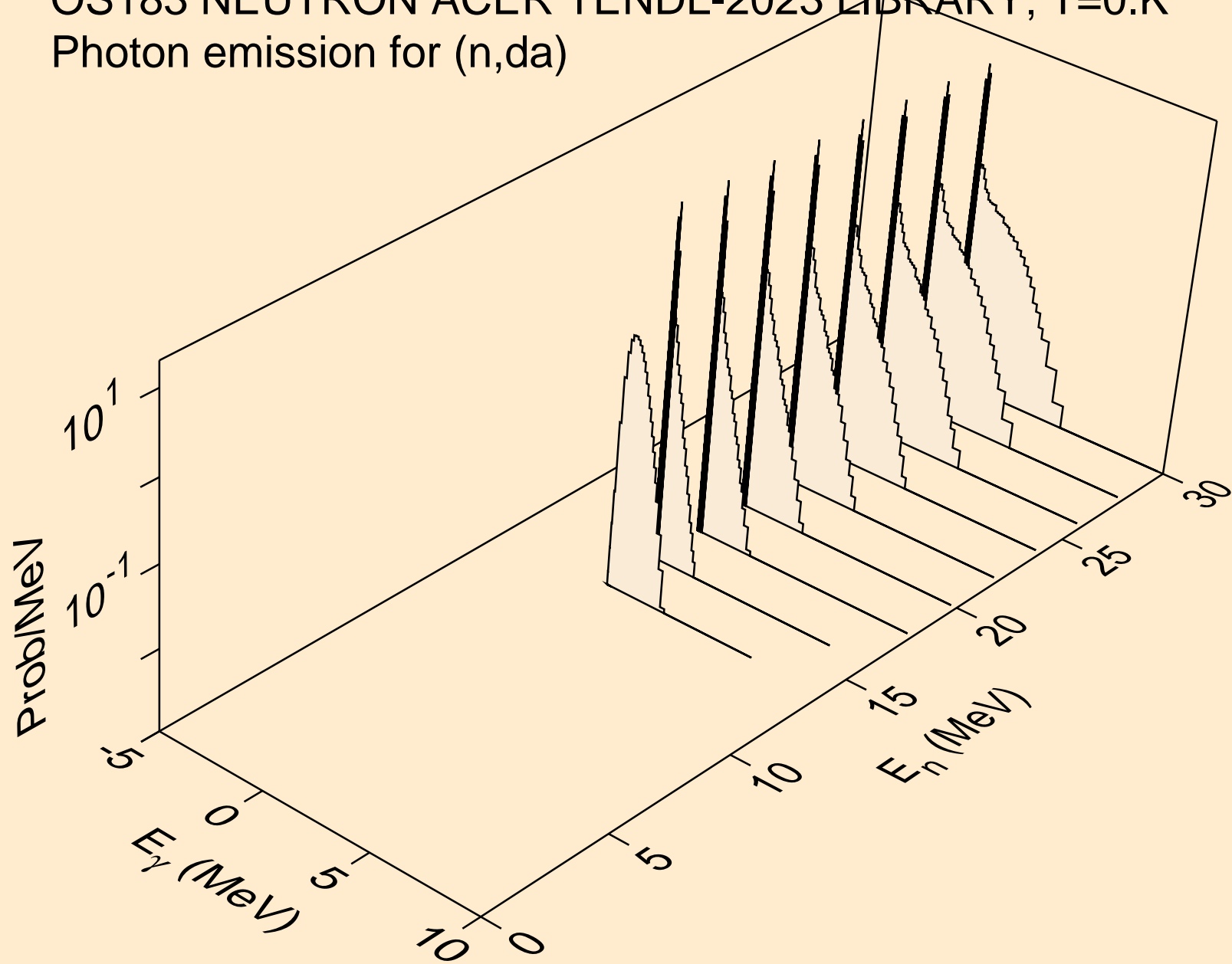
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

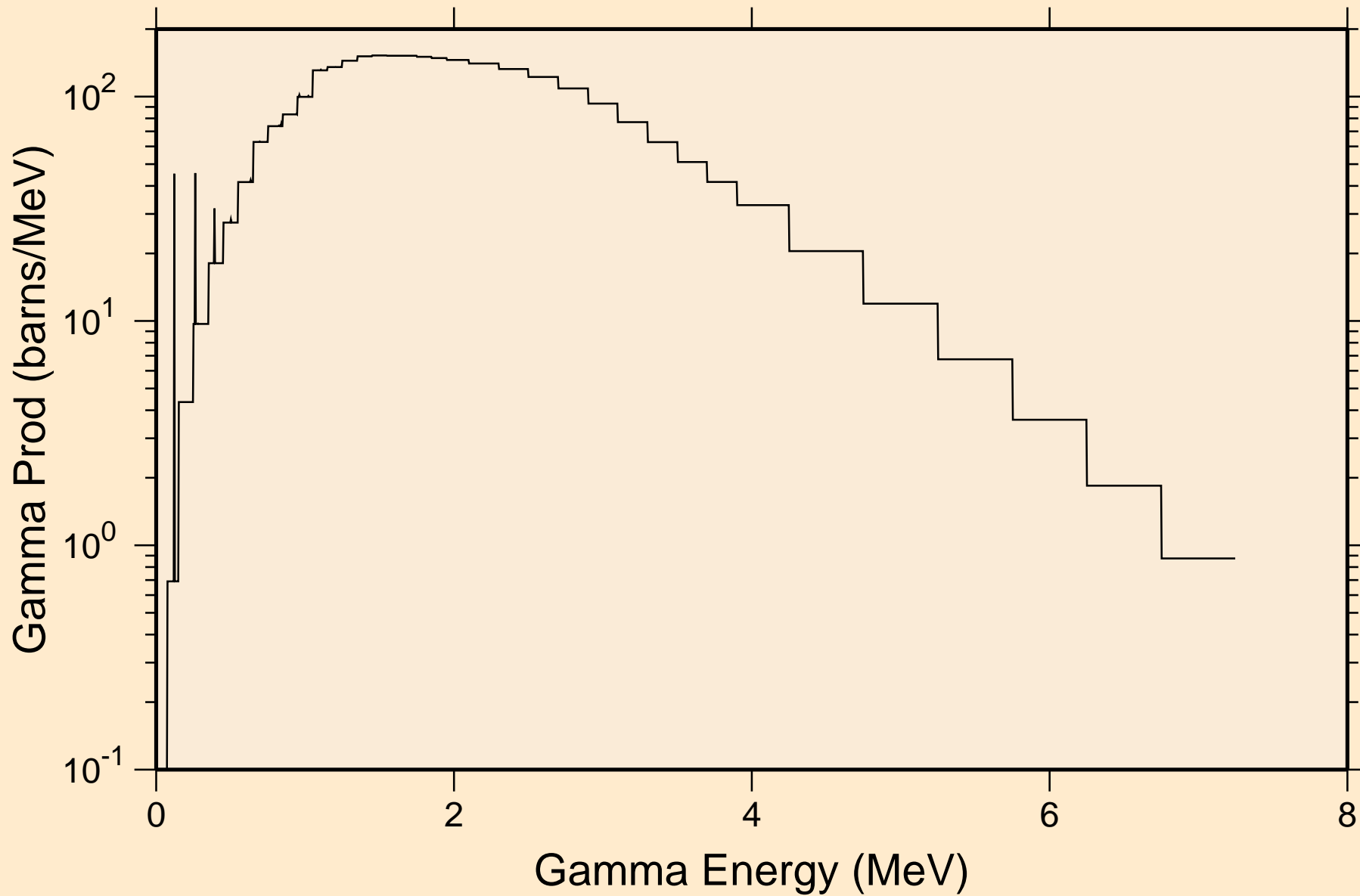


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Photon emission for (n,da)

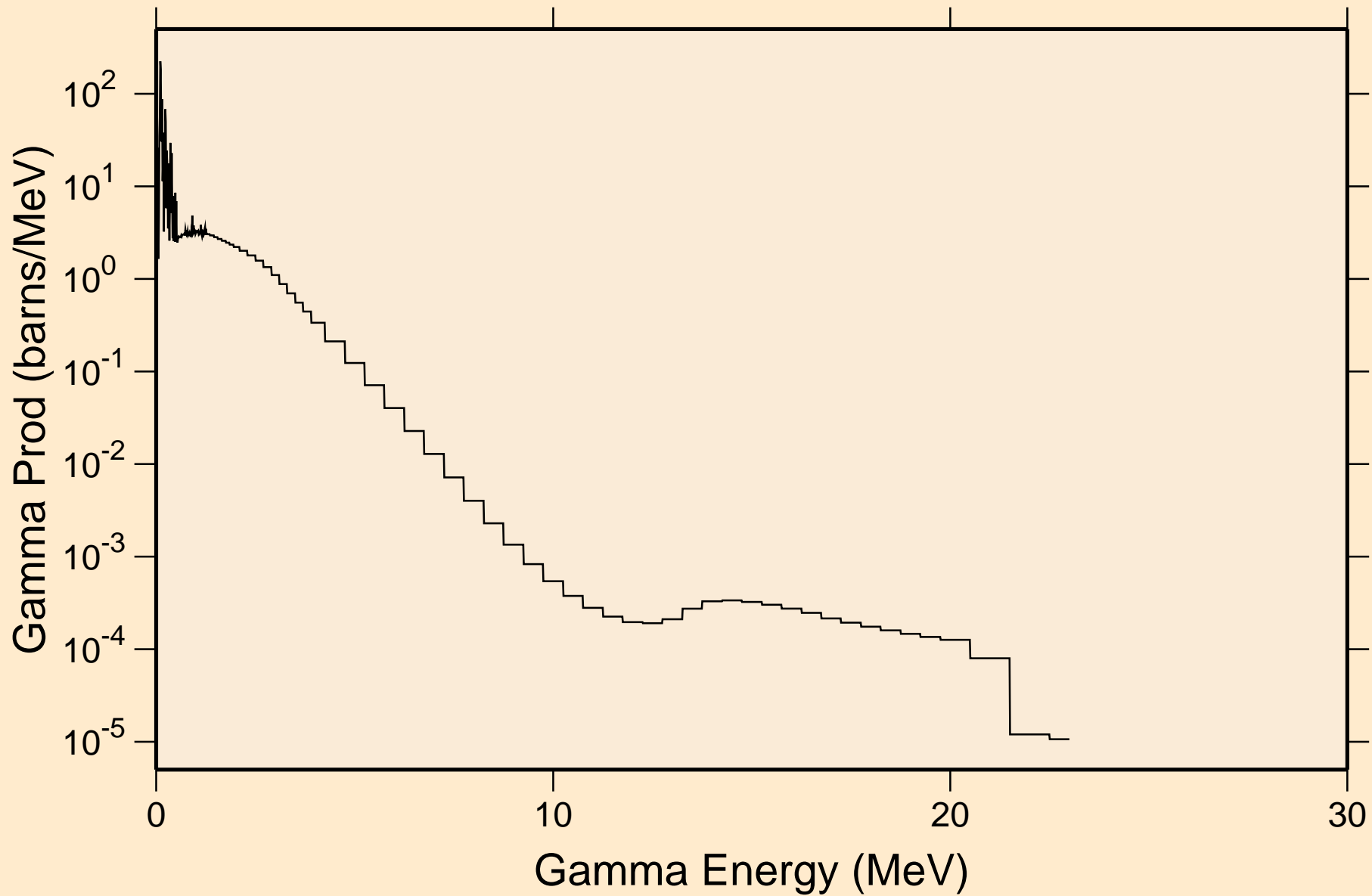




OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

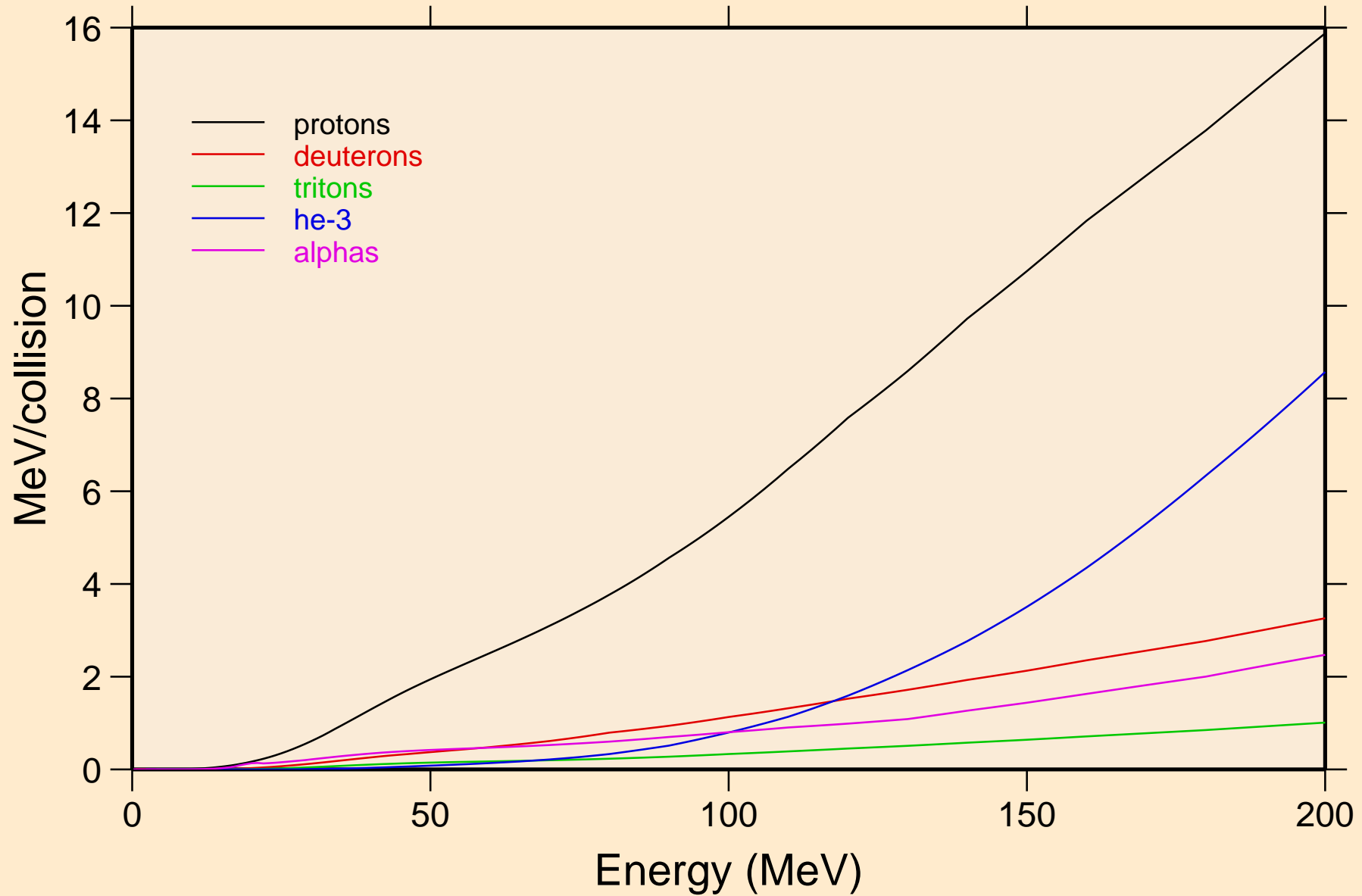


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14 MeV photon spectrum



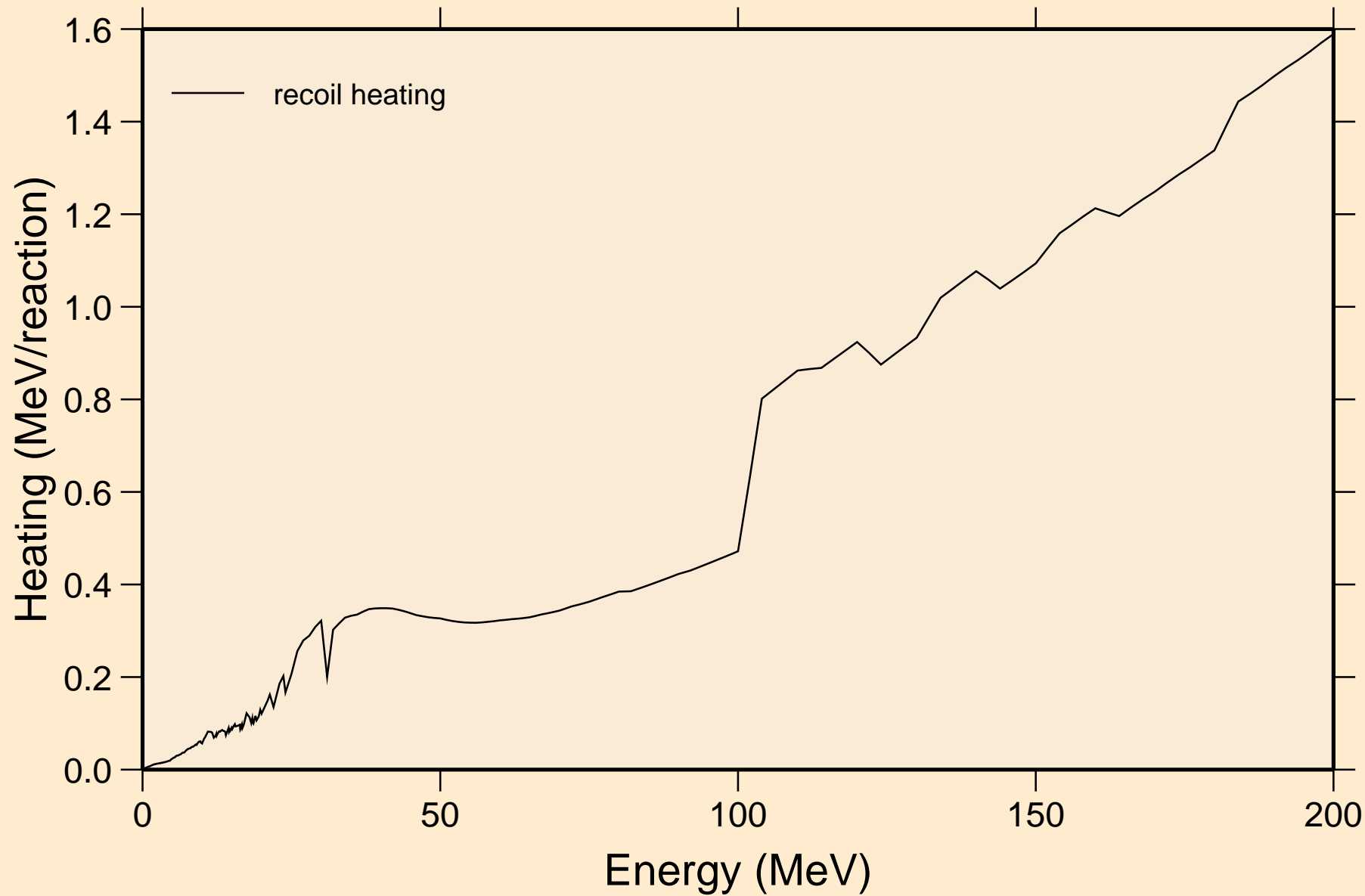
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## Particle heating contributions

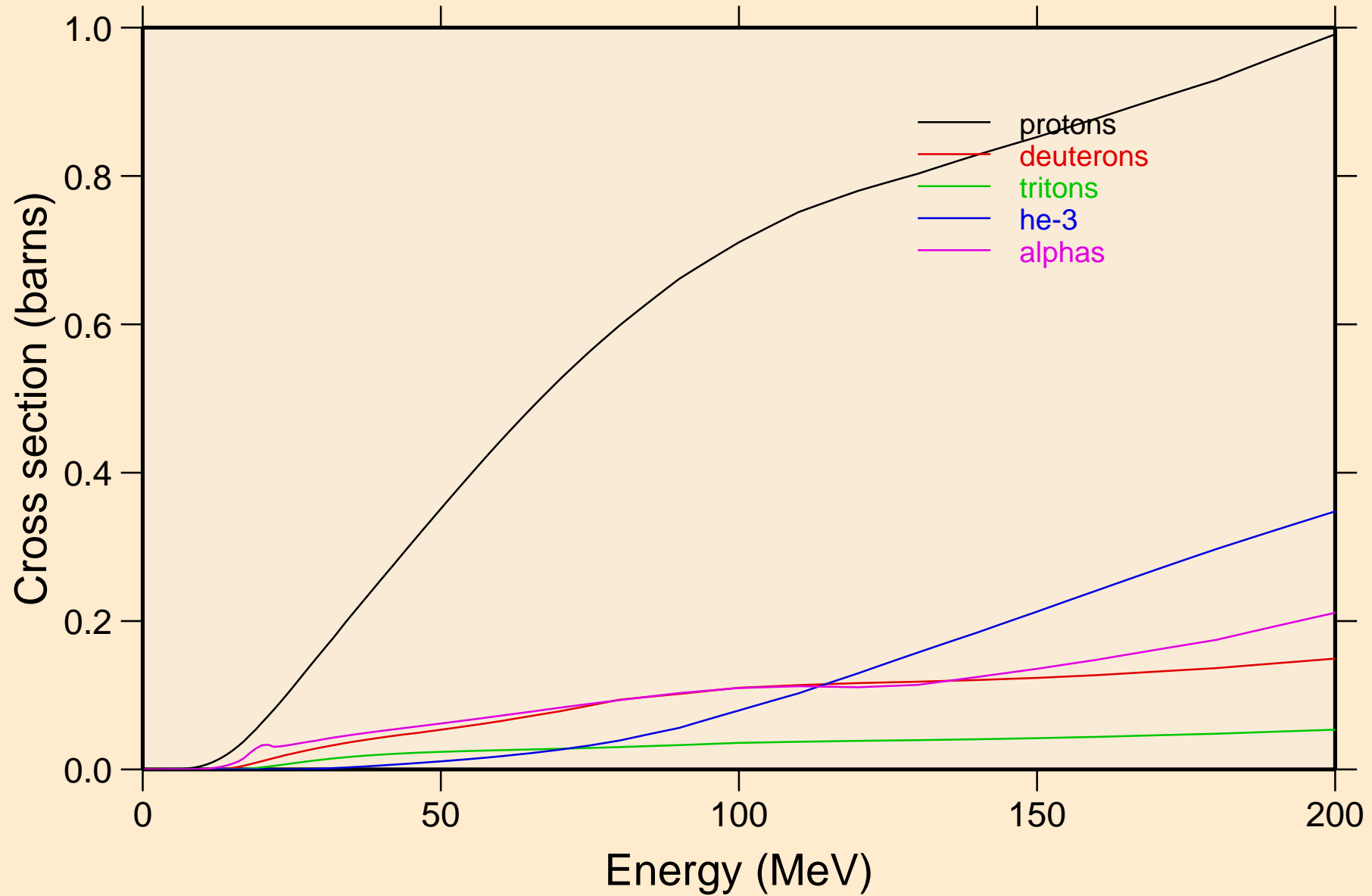


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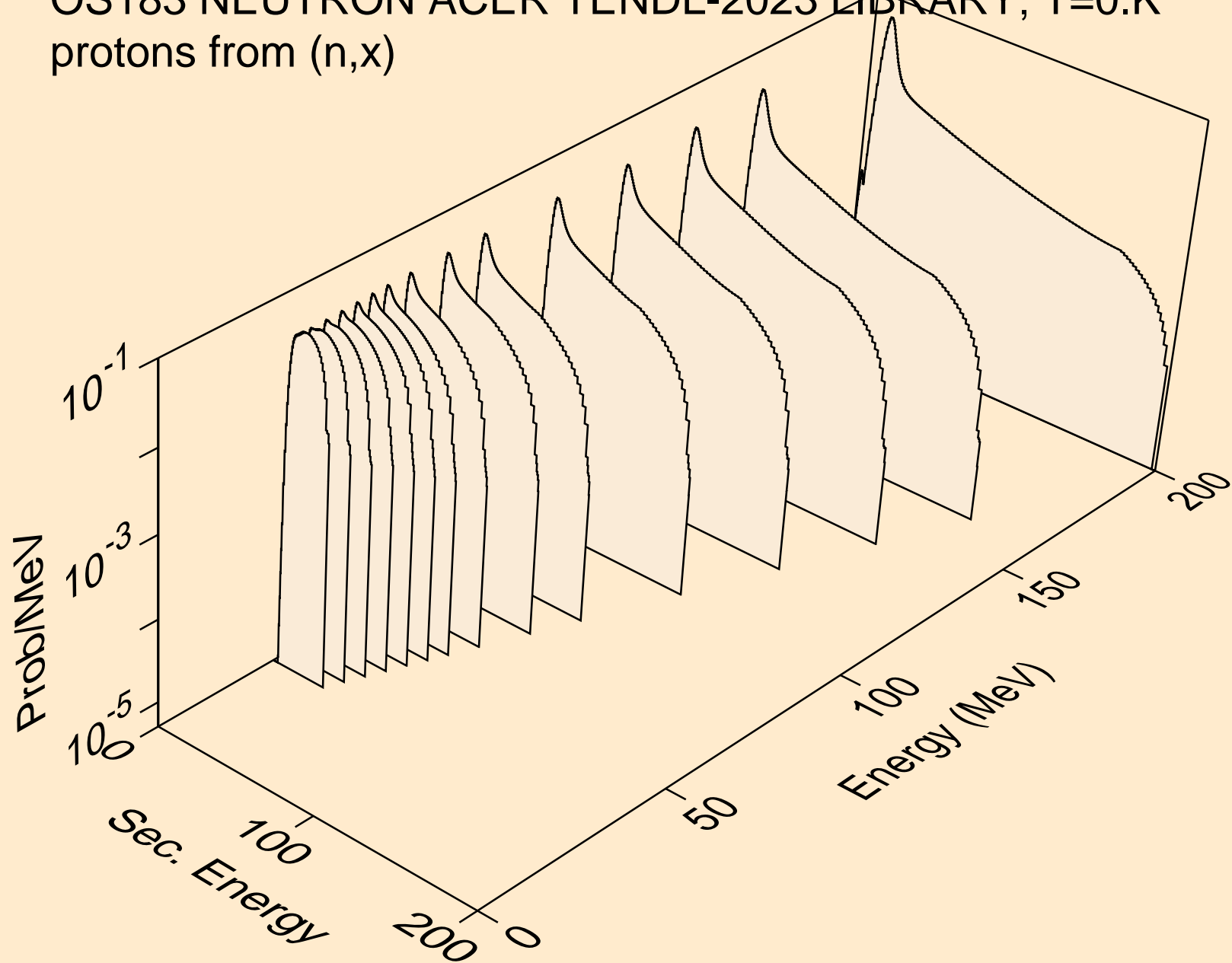
## Recoil Heating



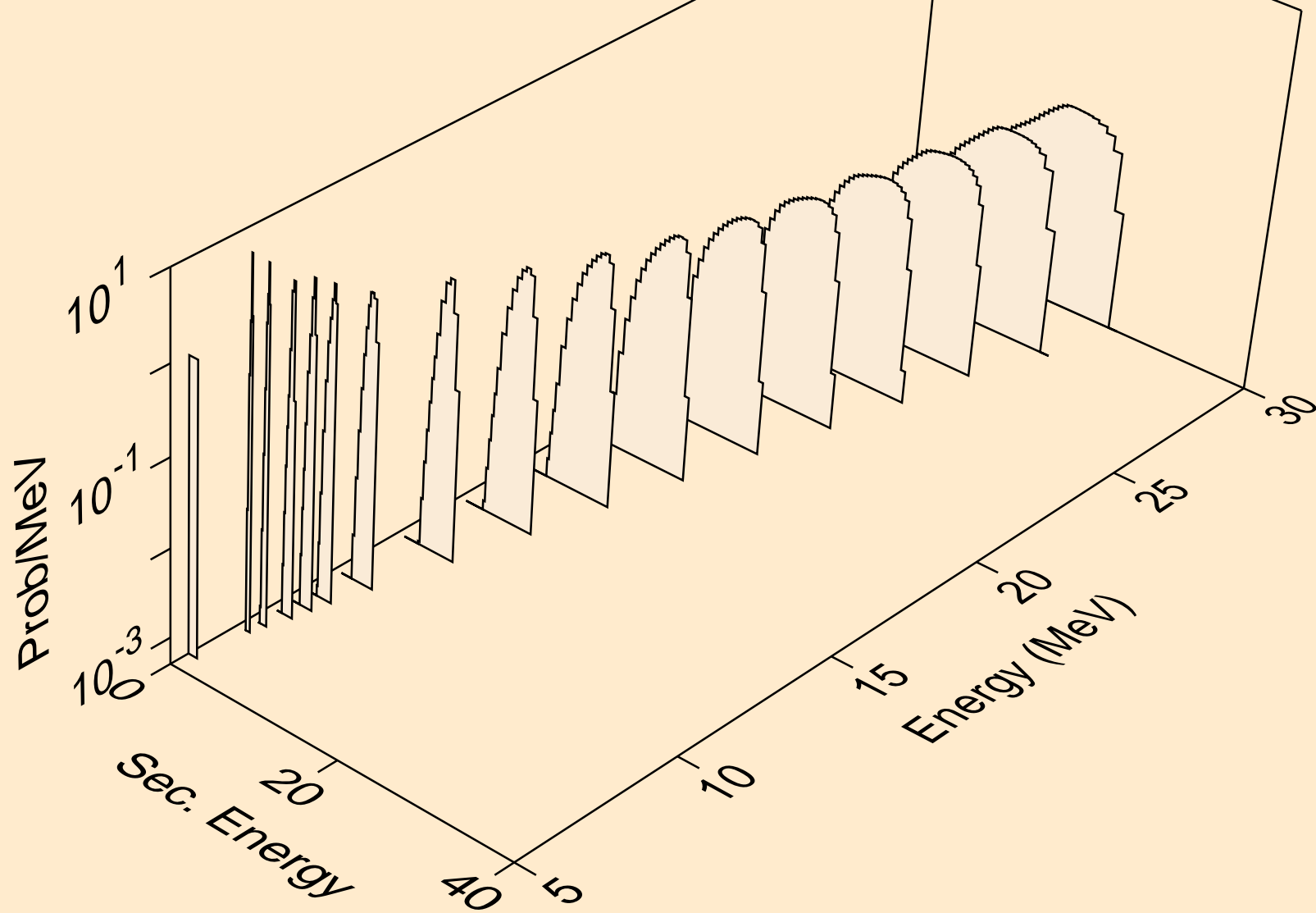
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Particle production cross sections



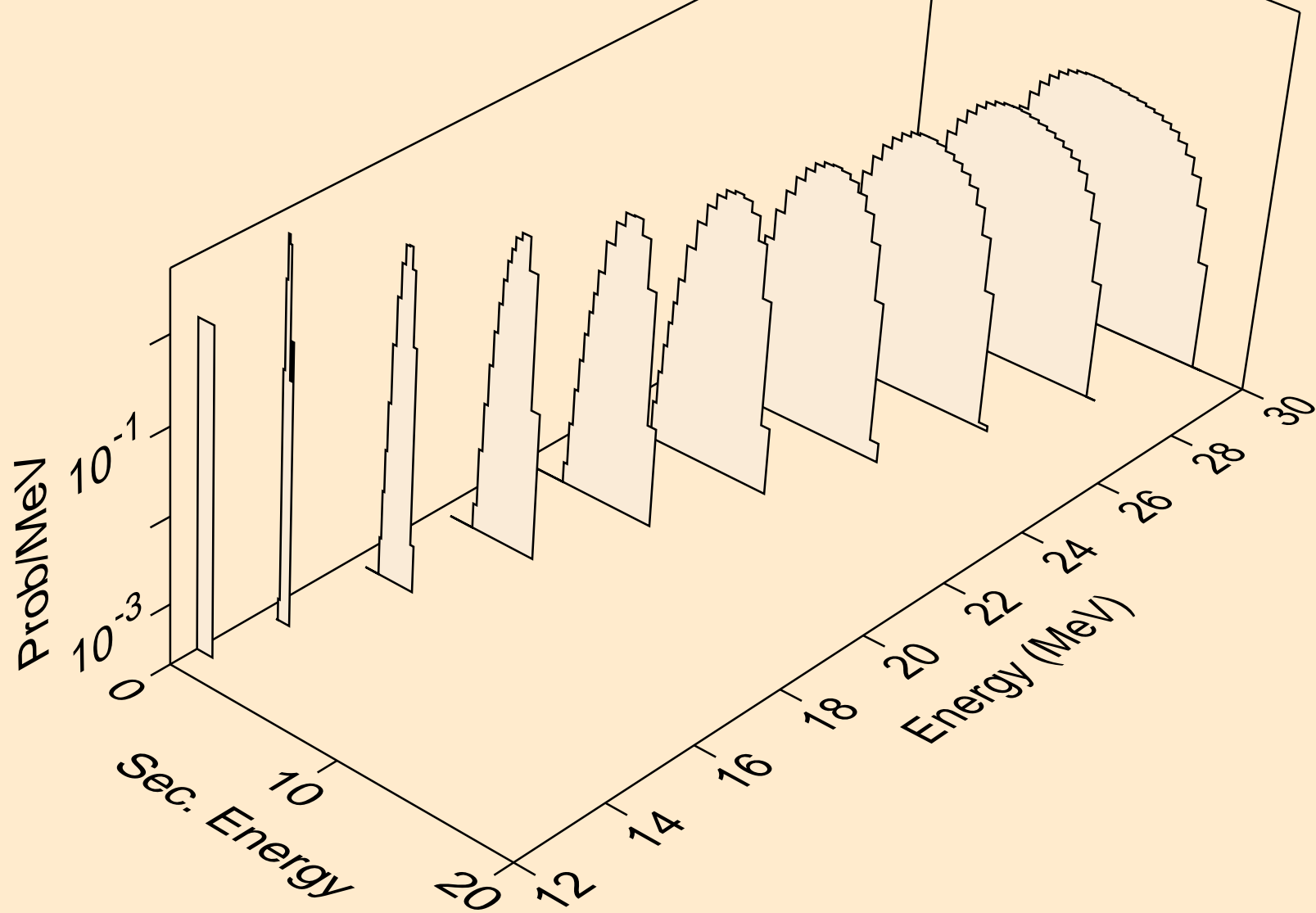
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

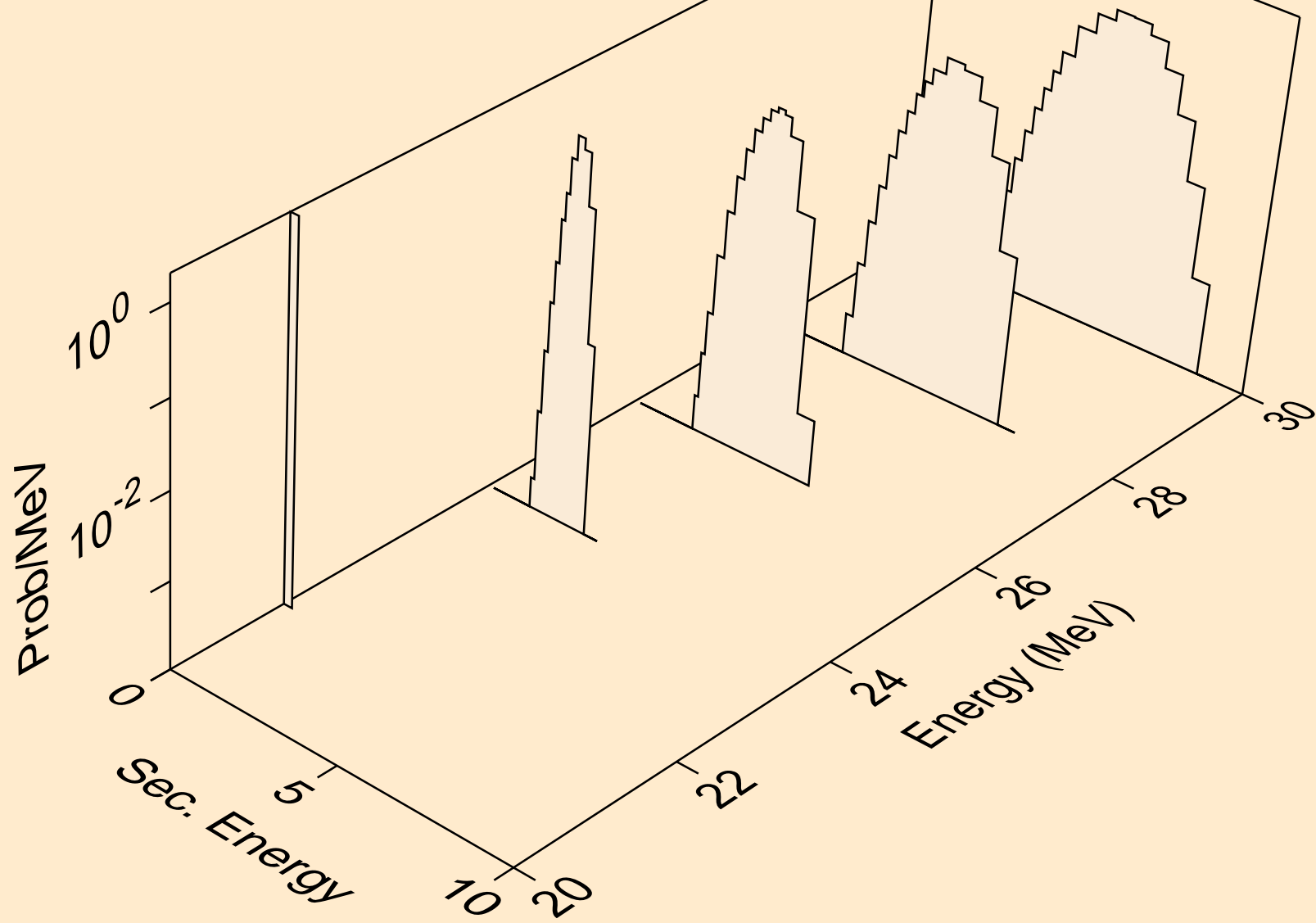


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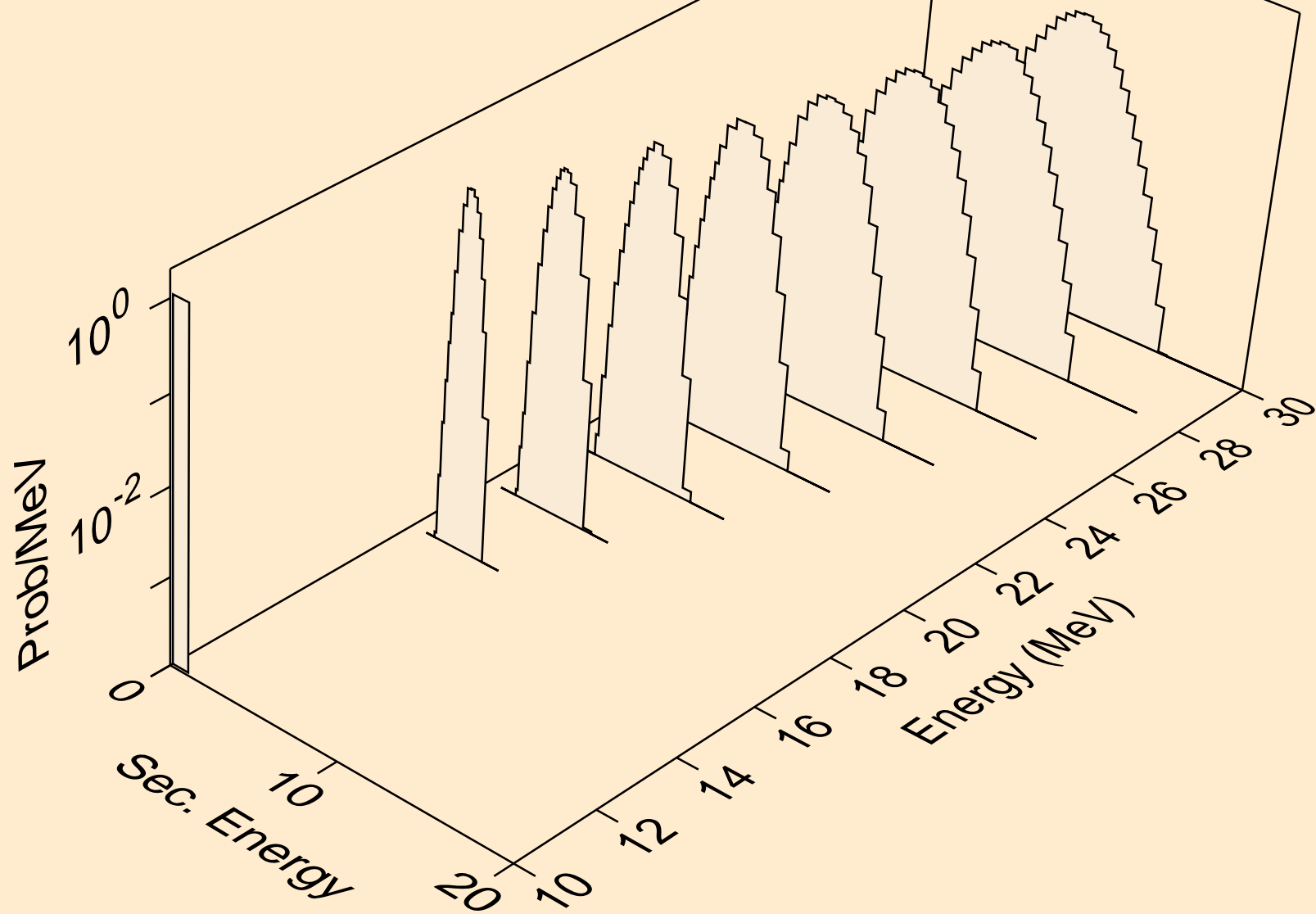




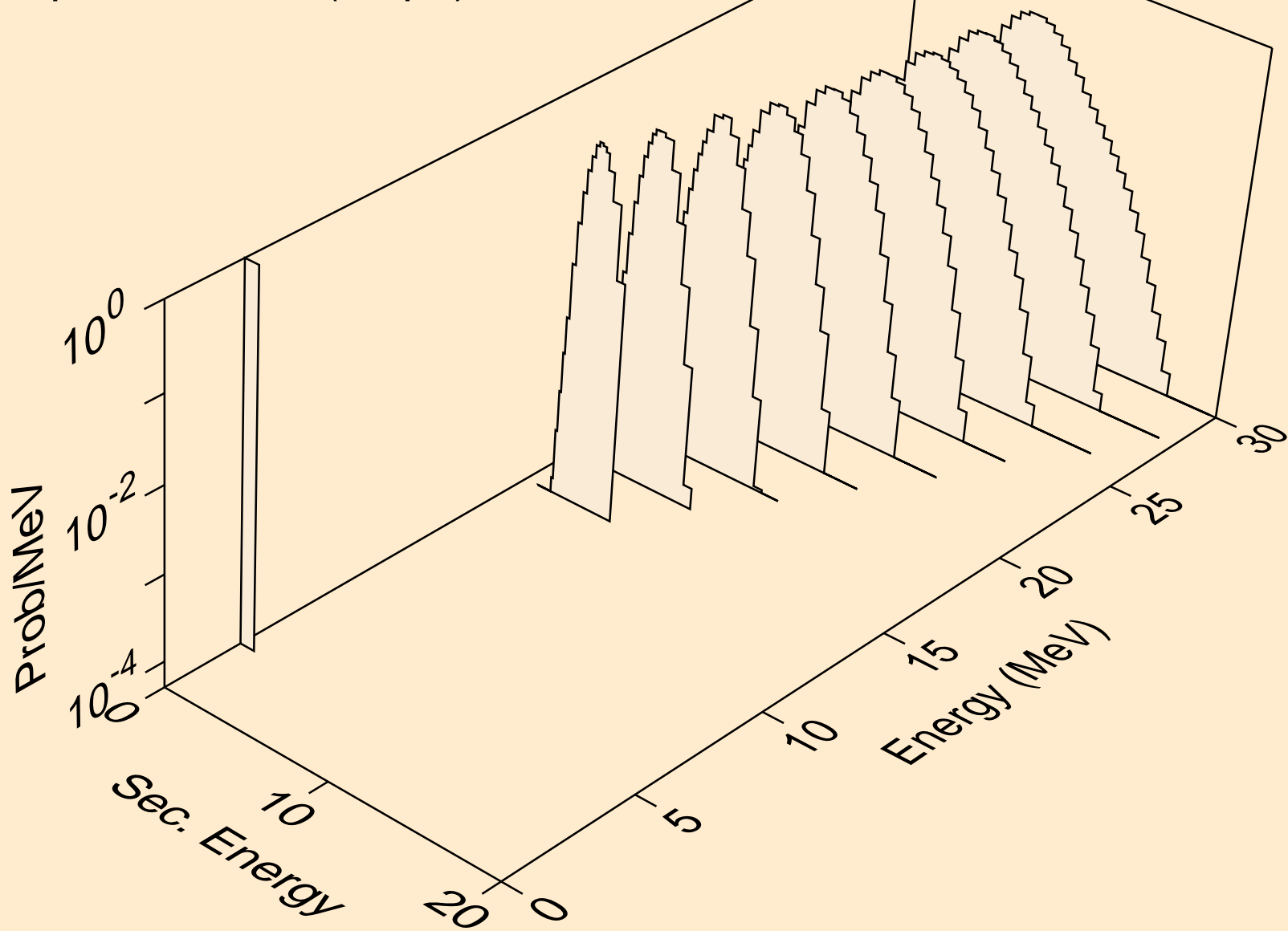
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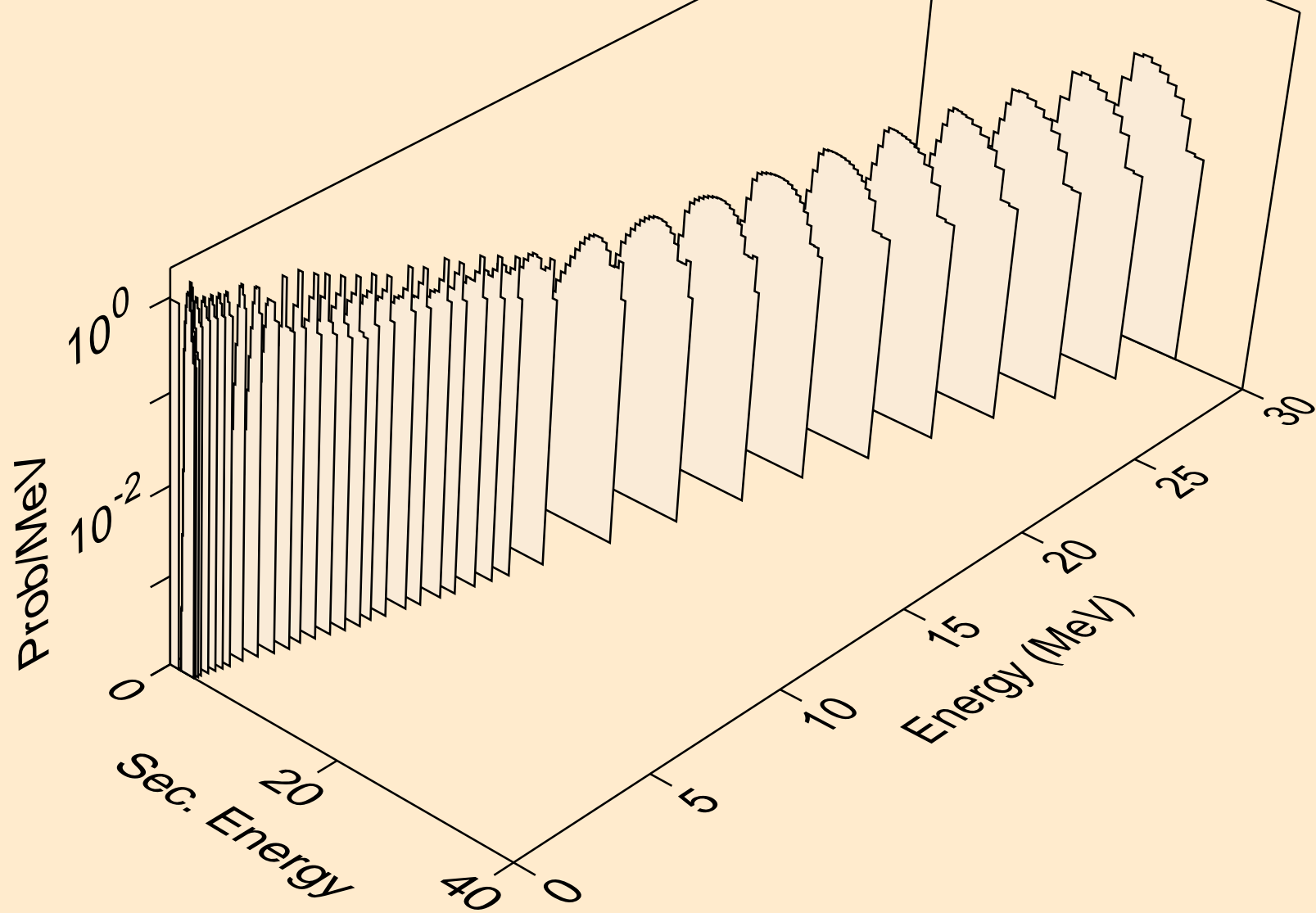
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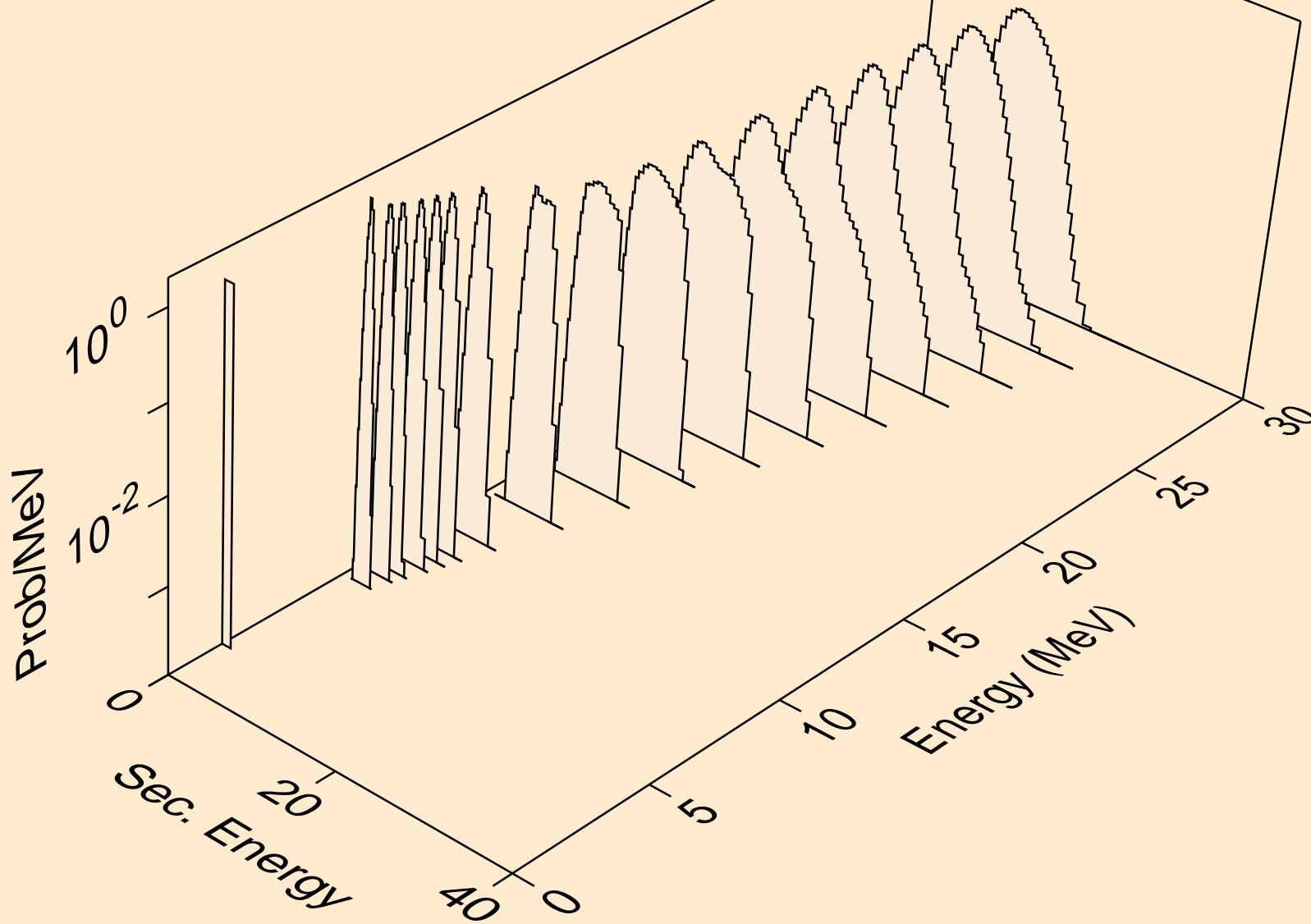
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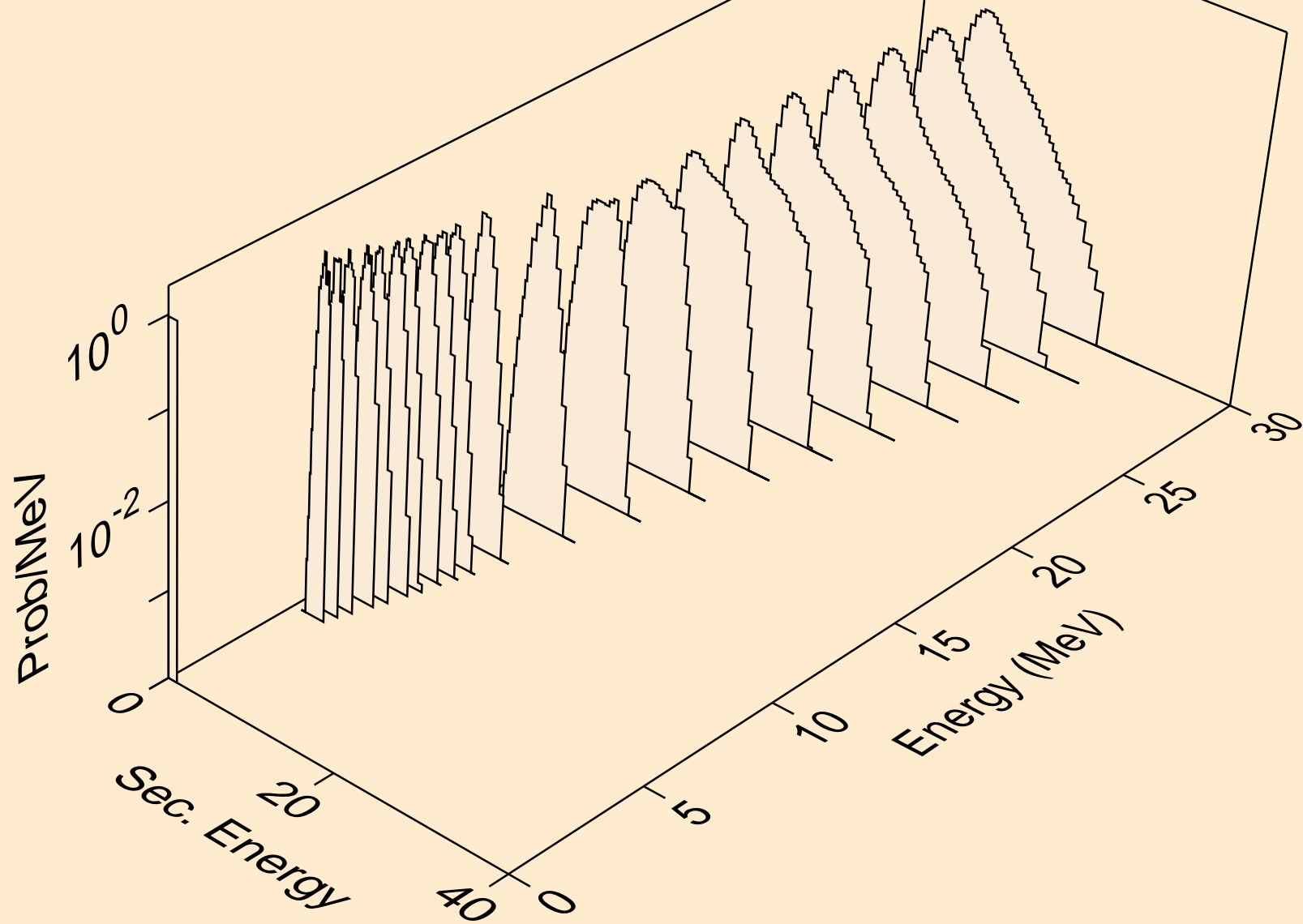
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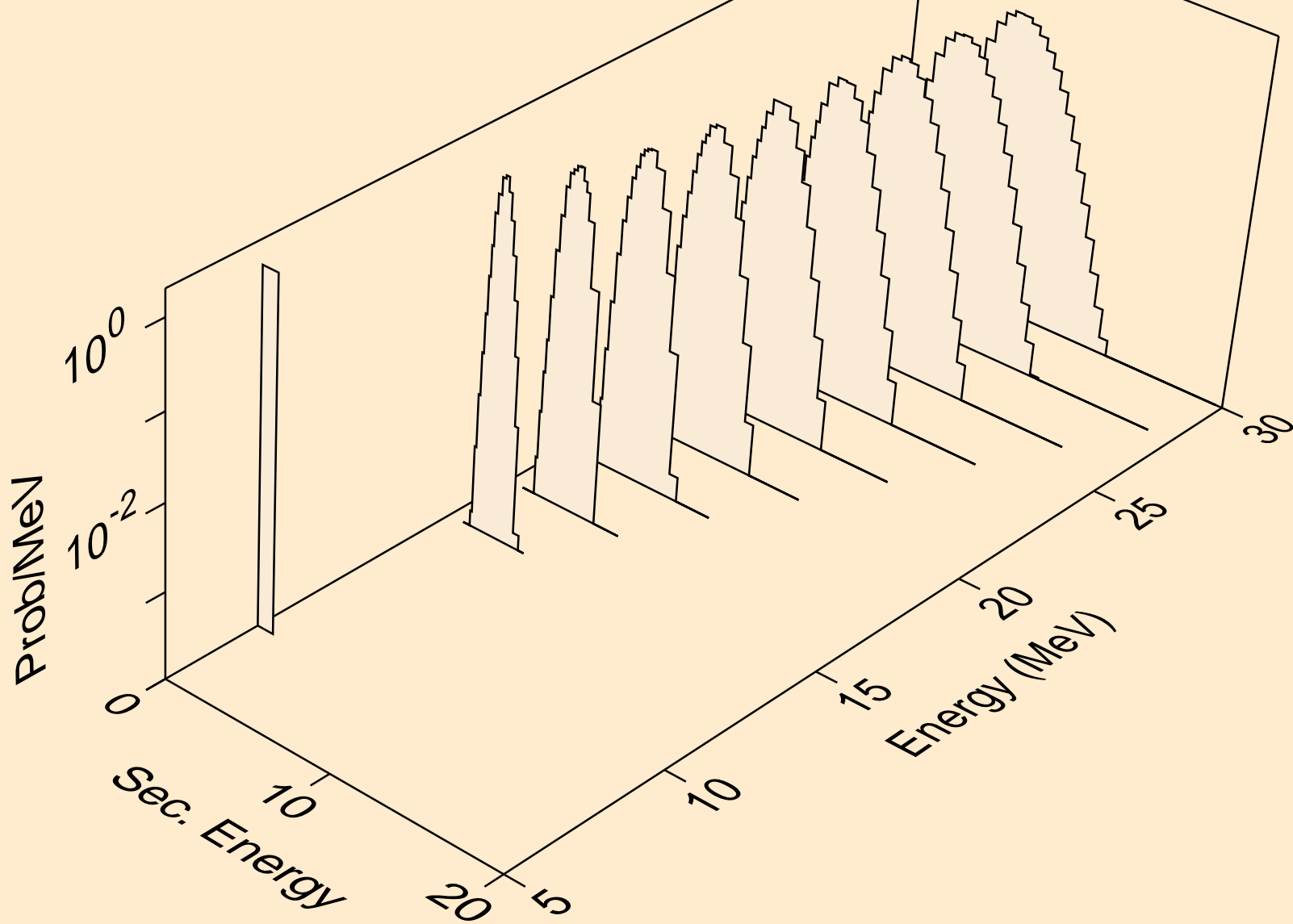
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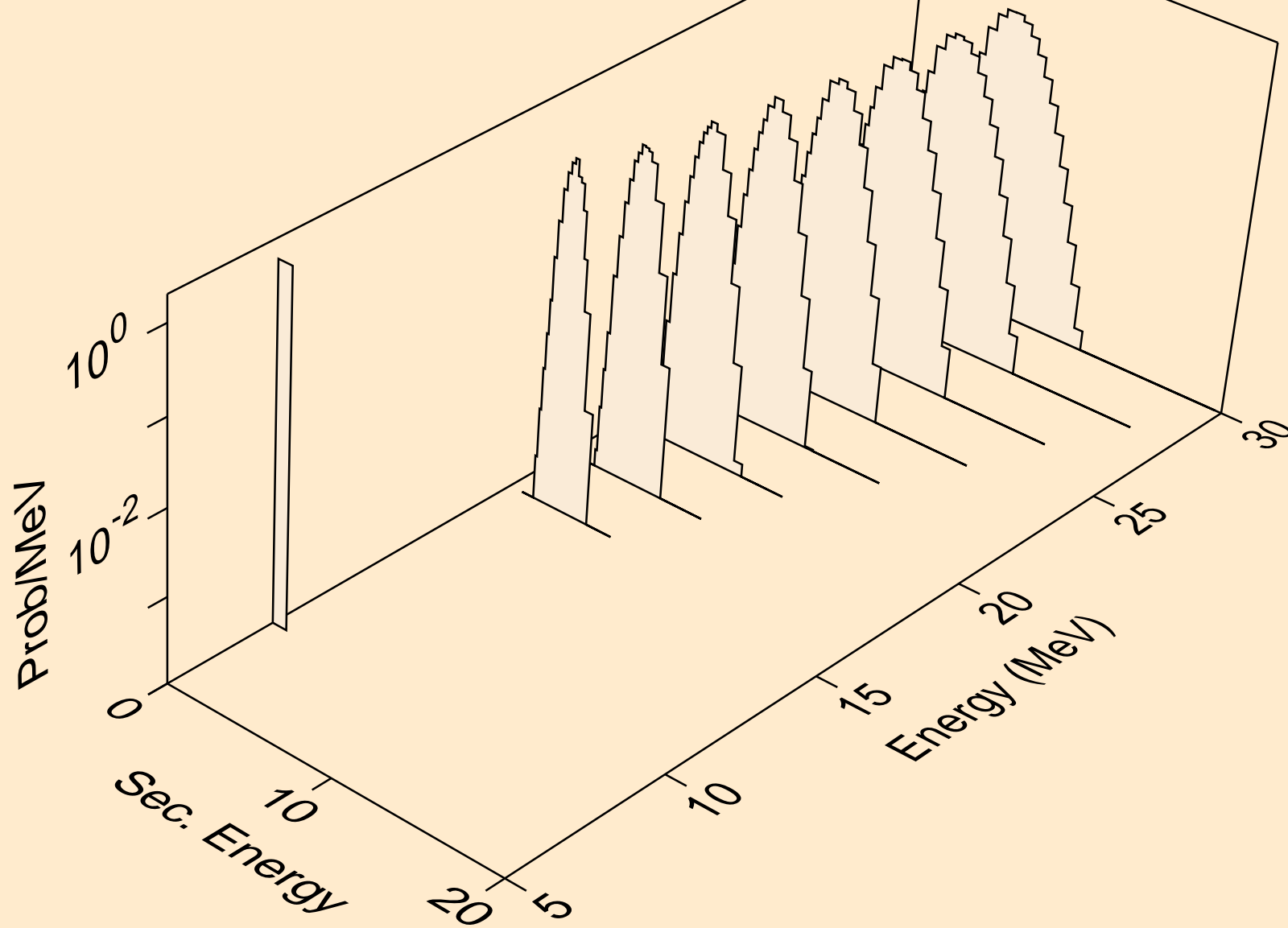
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protons from (n,p)



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protons from (n,pd)

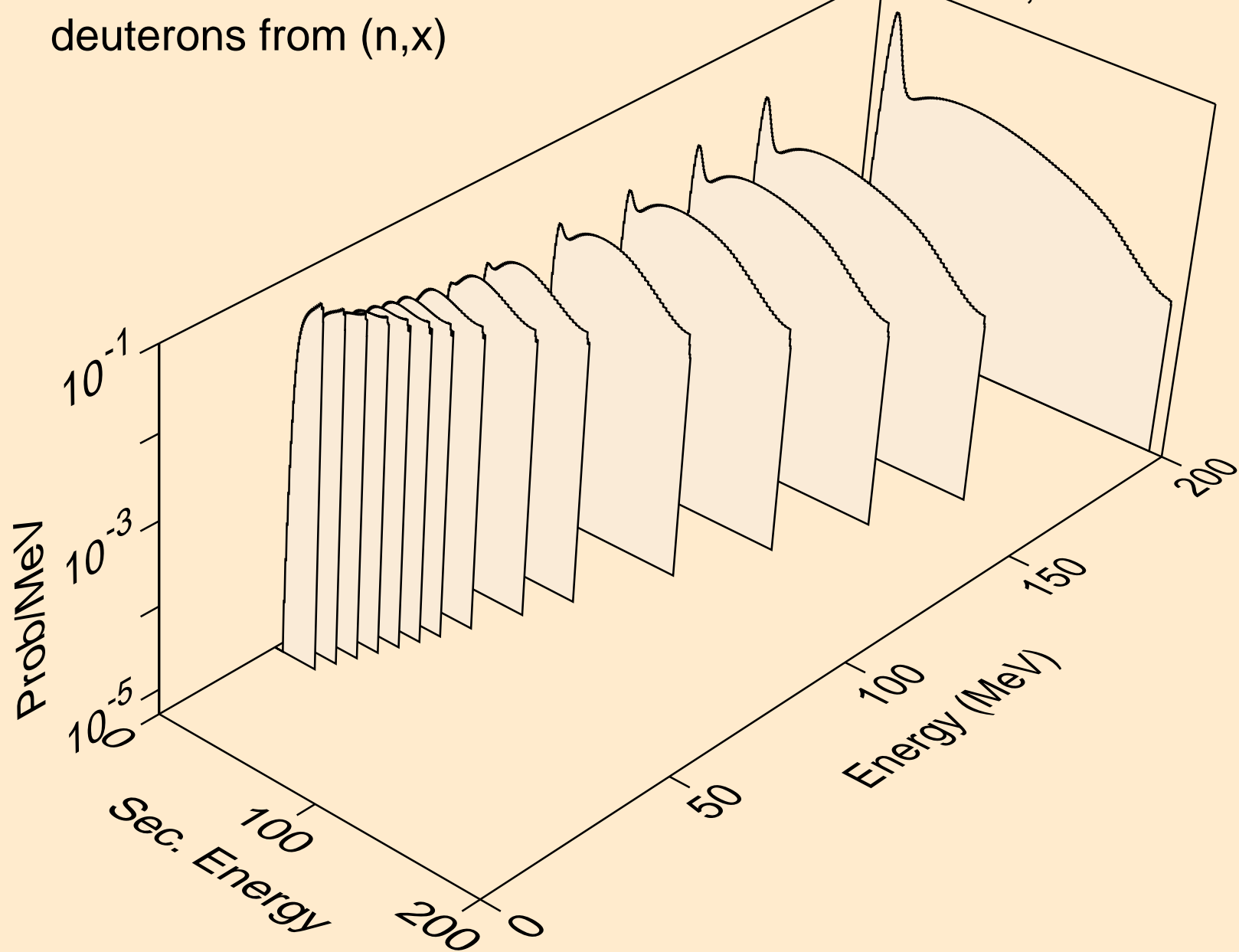


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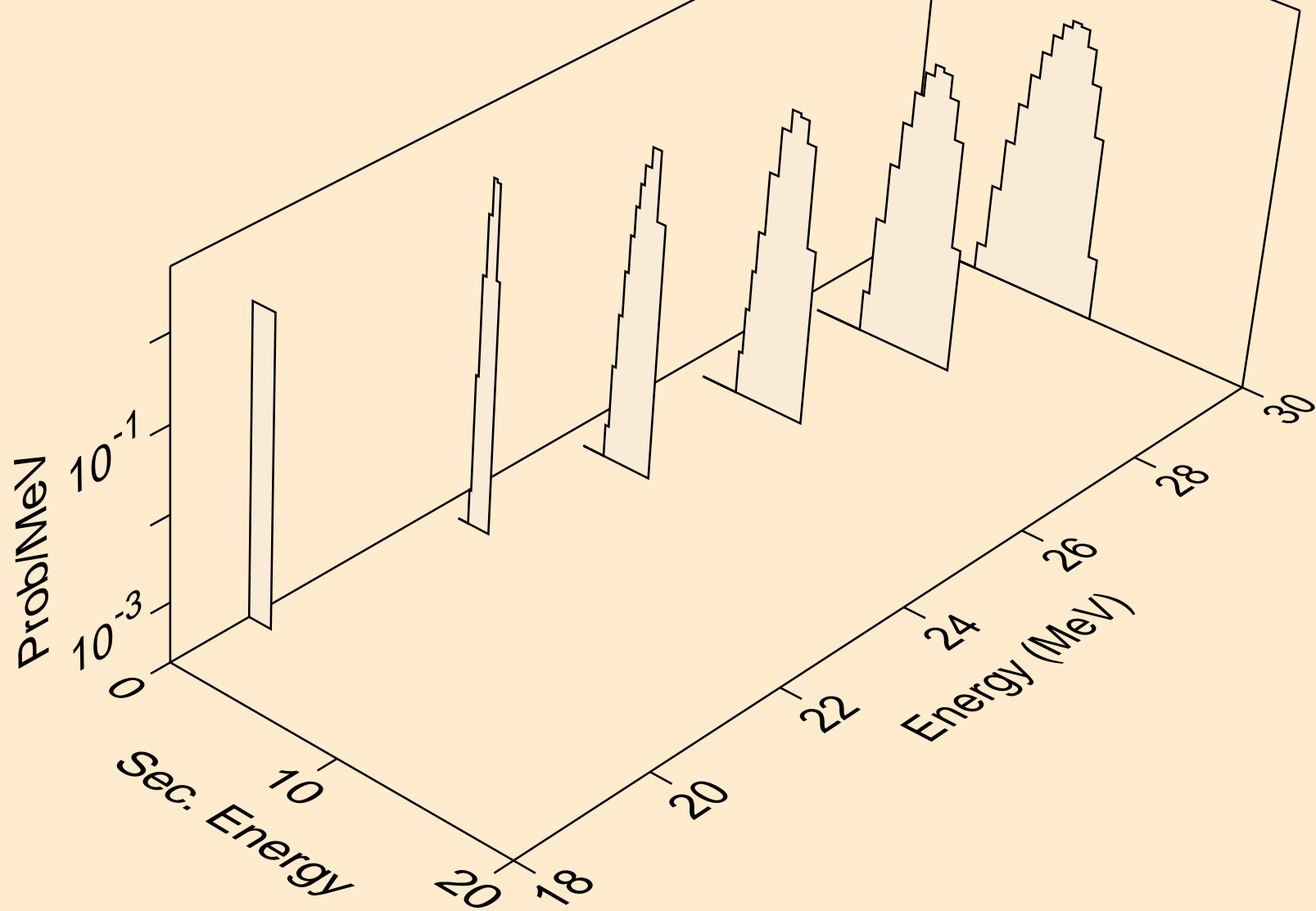




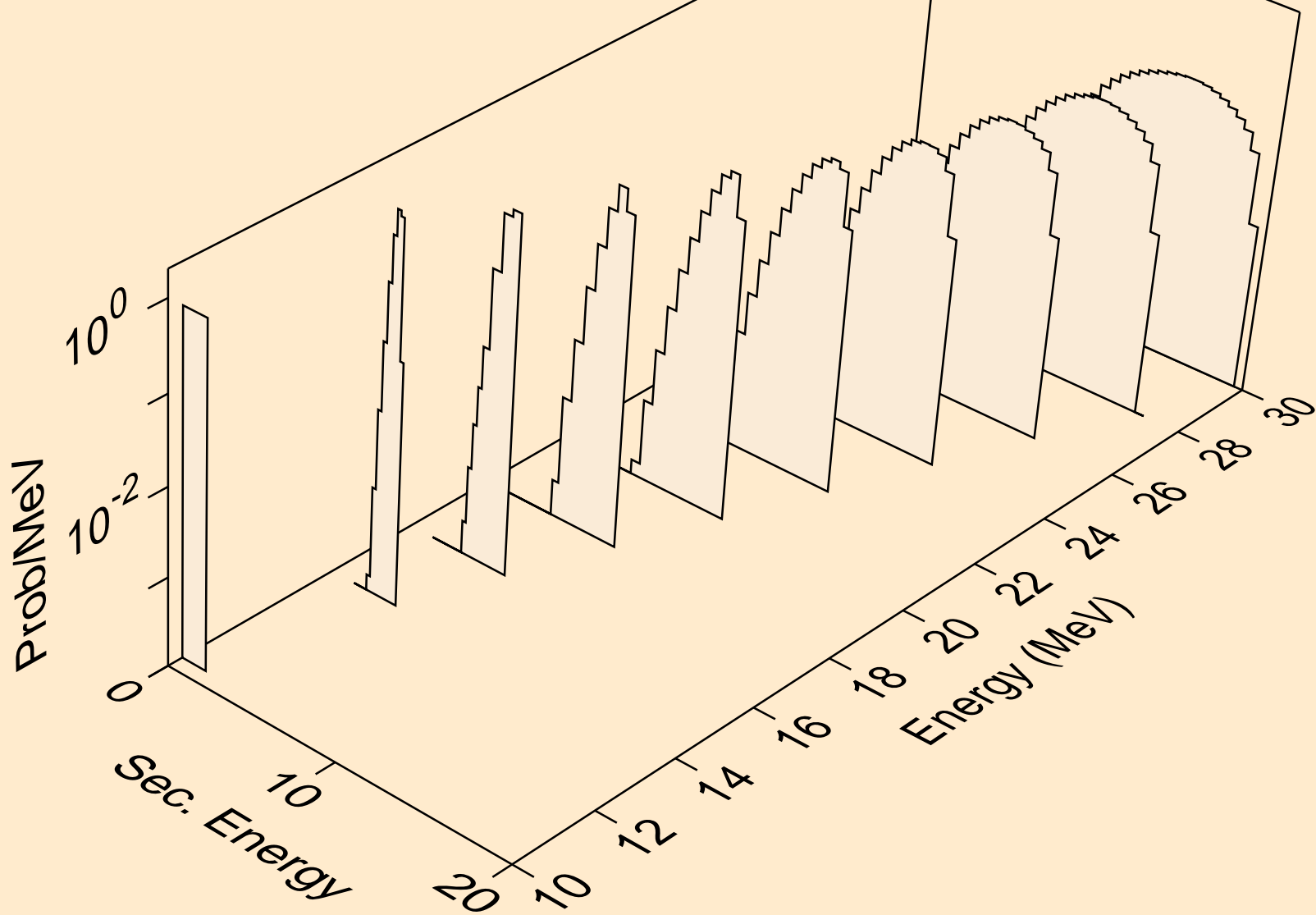
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deuterons from (n,x)



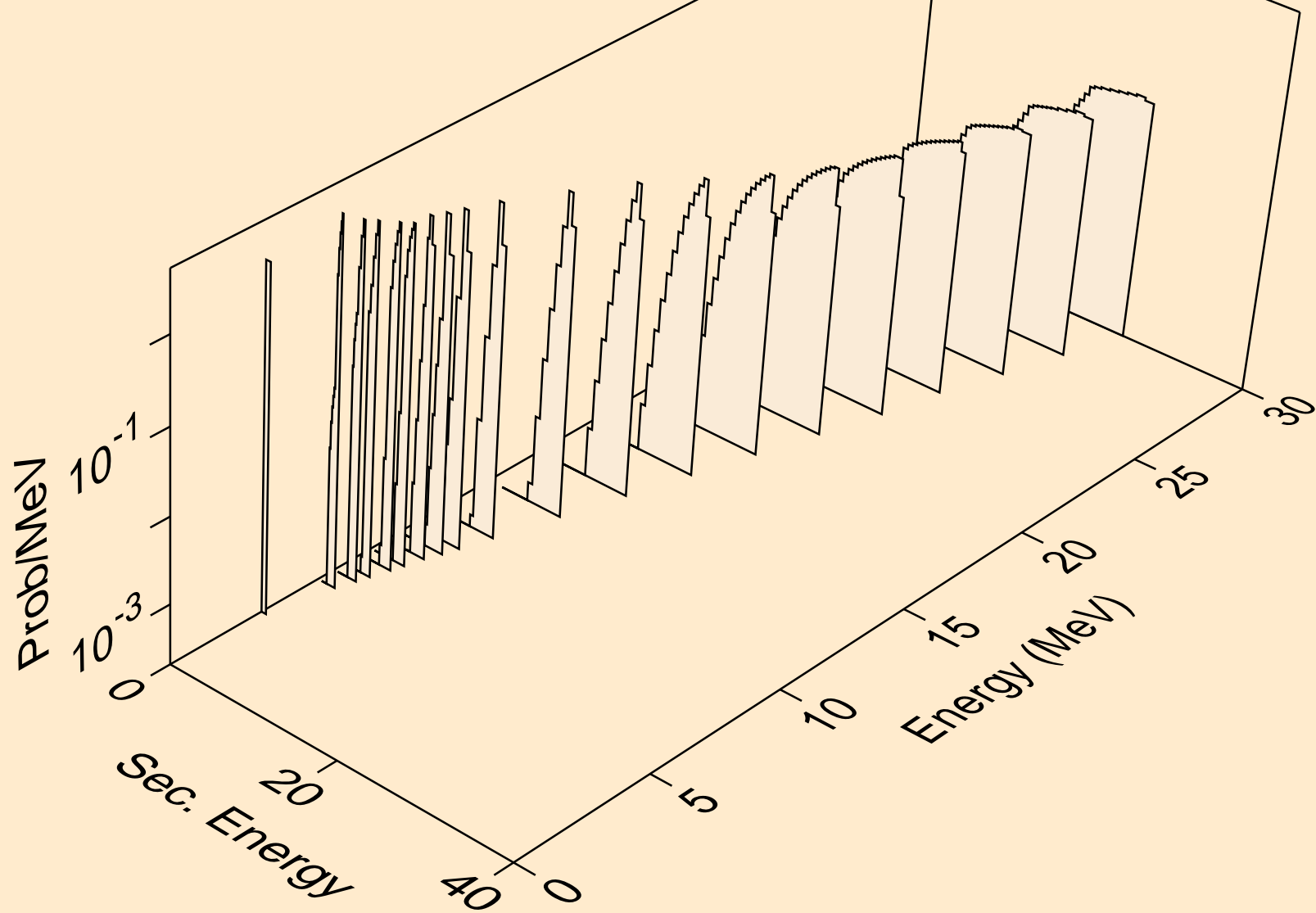
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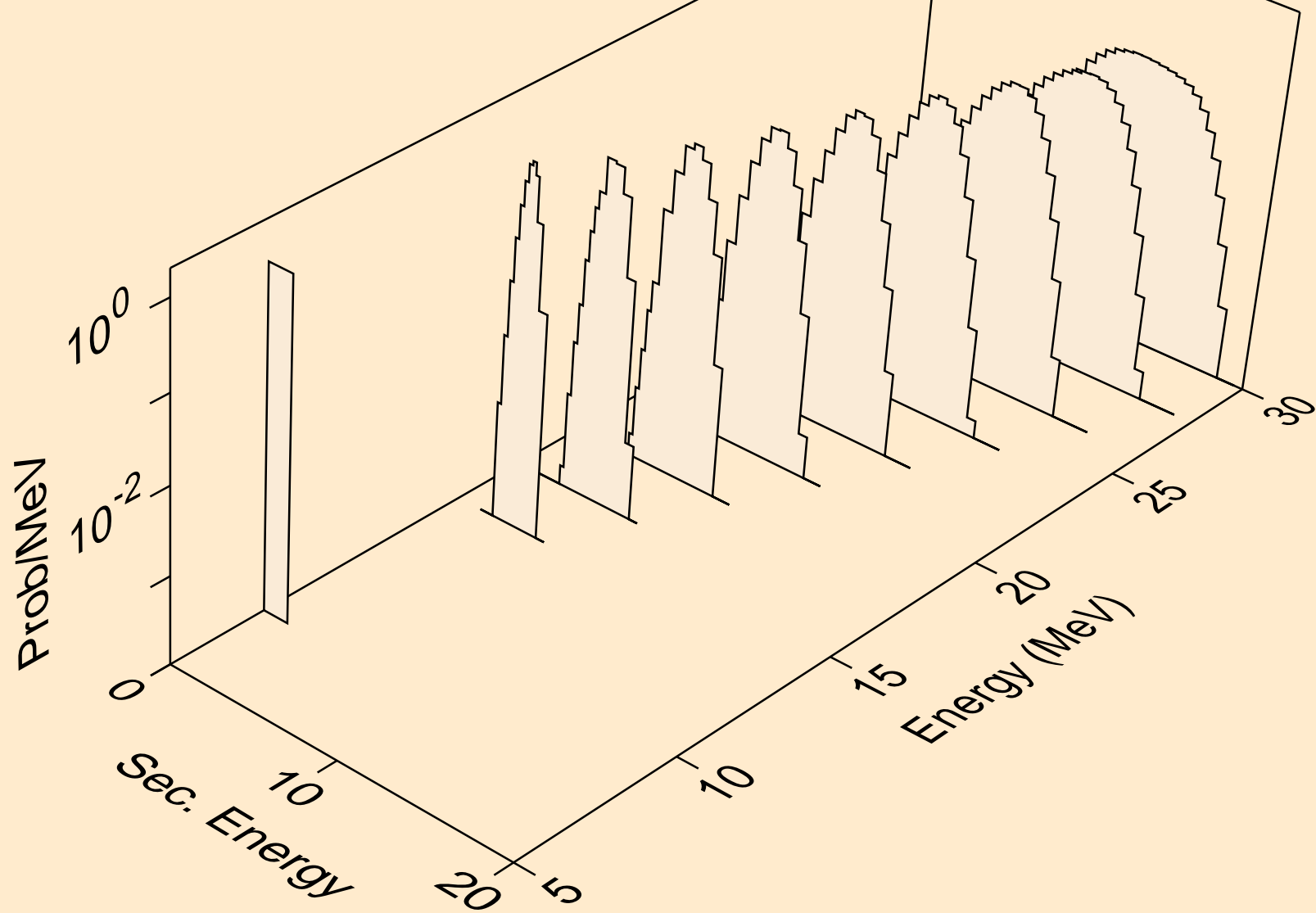
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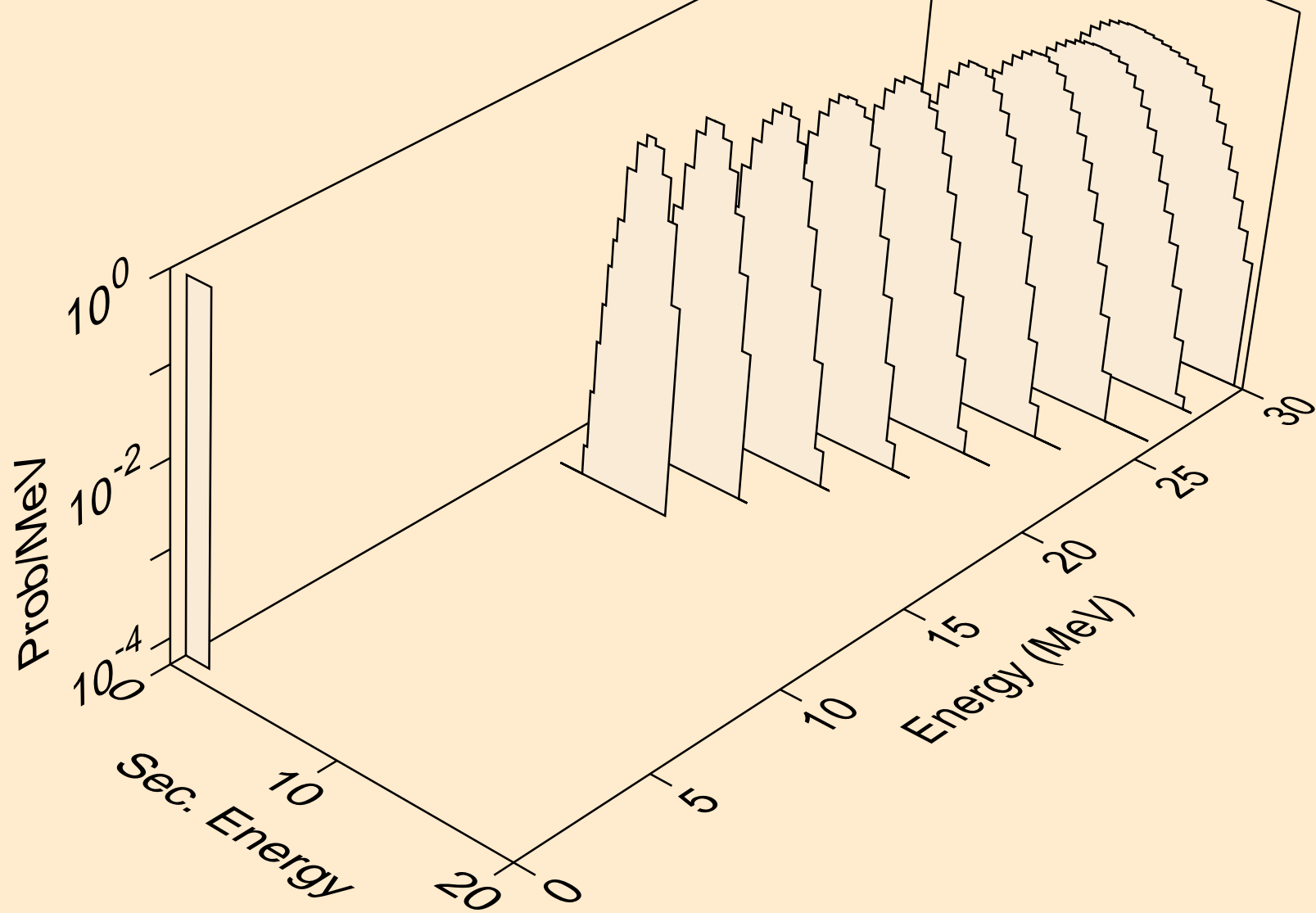
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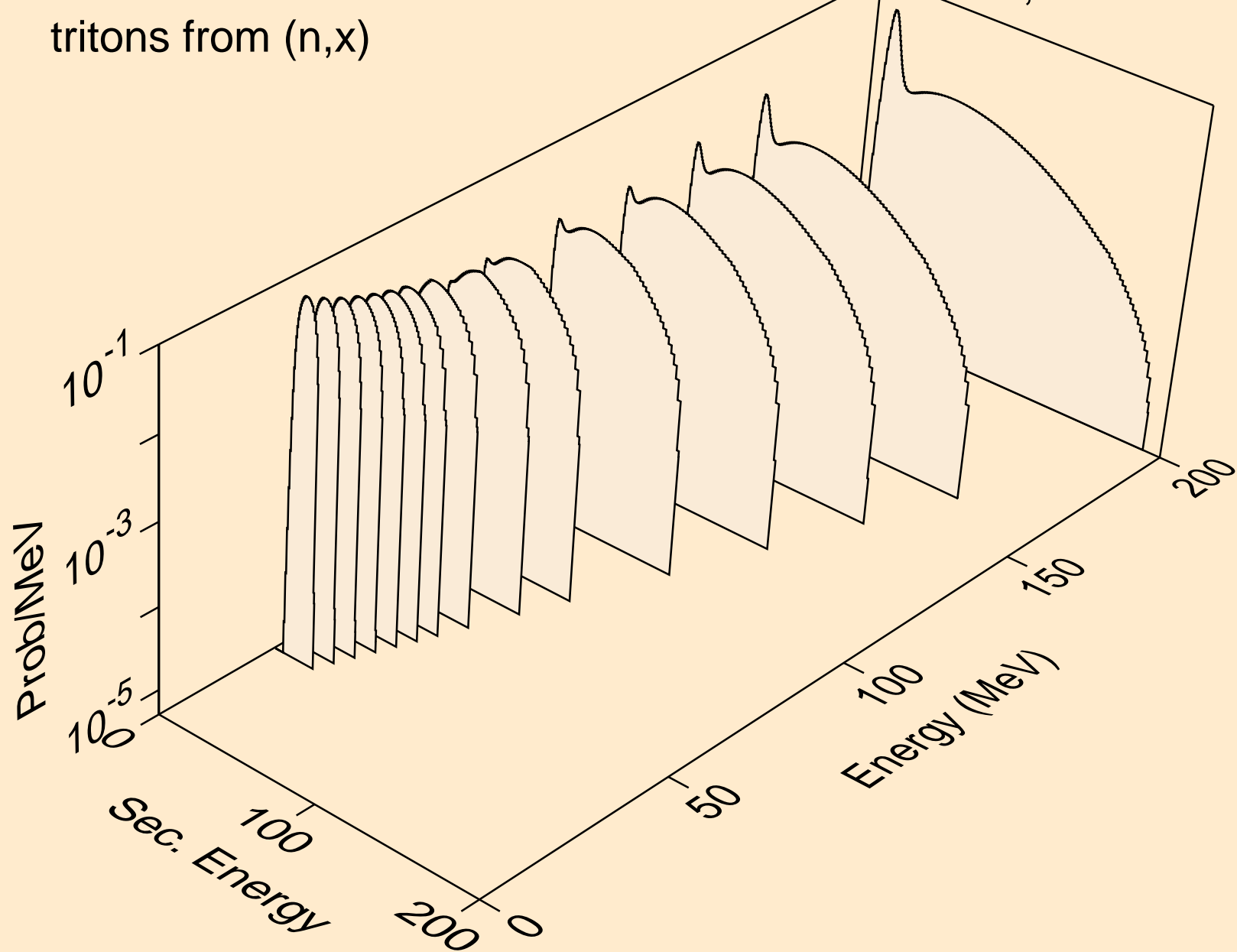
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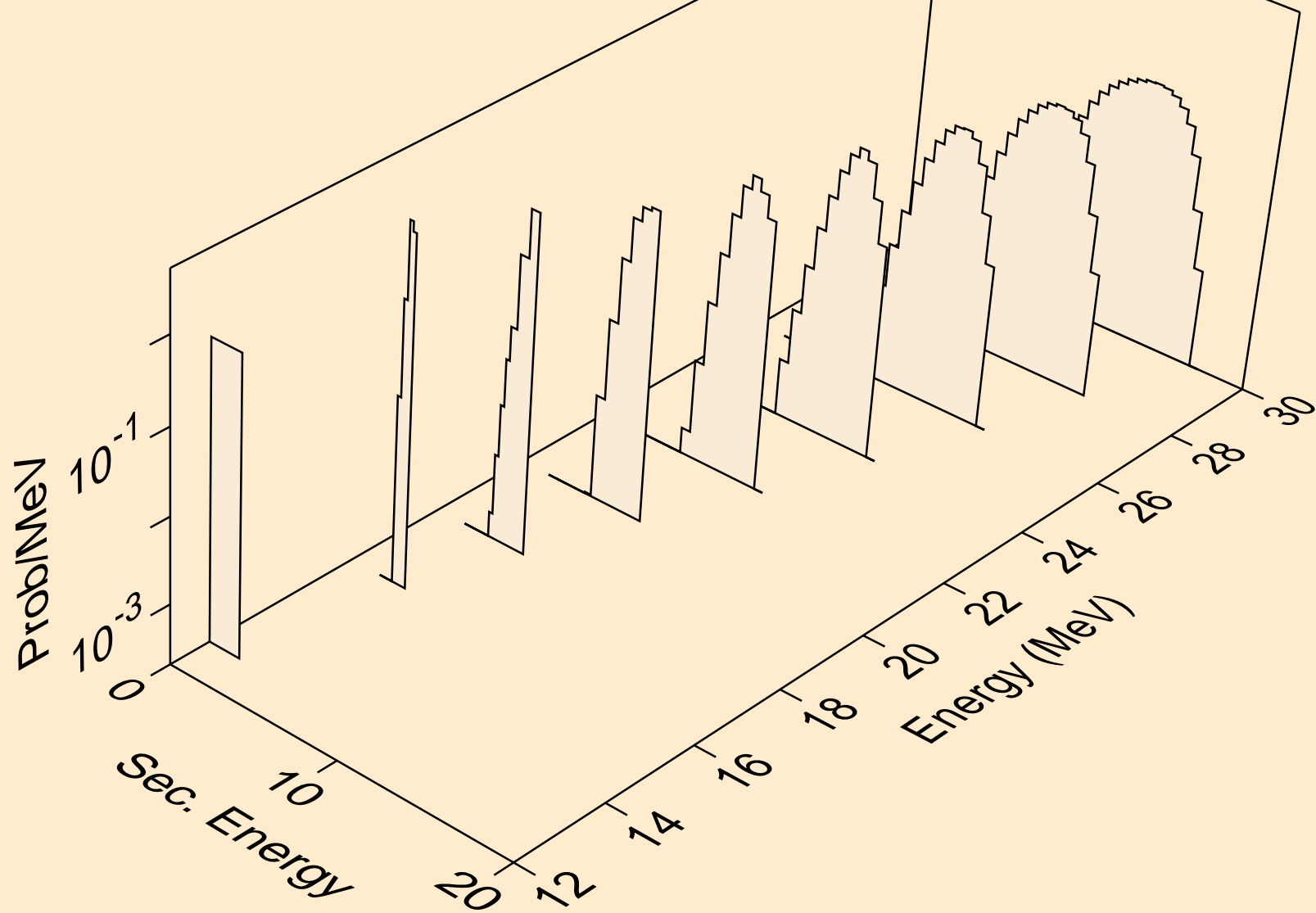
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

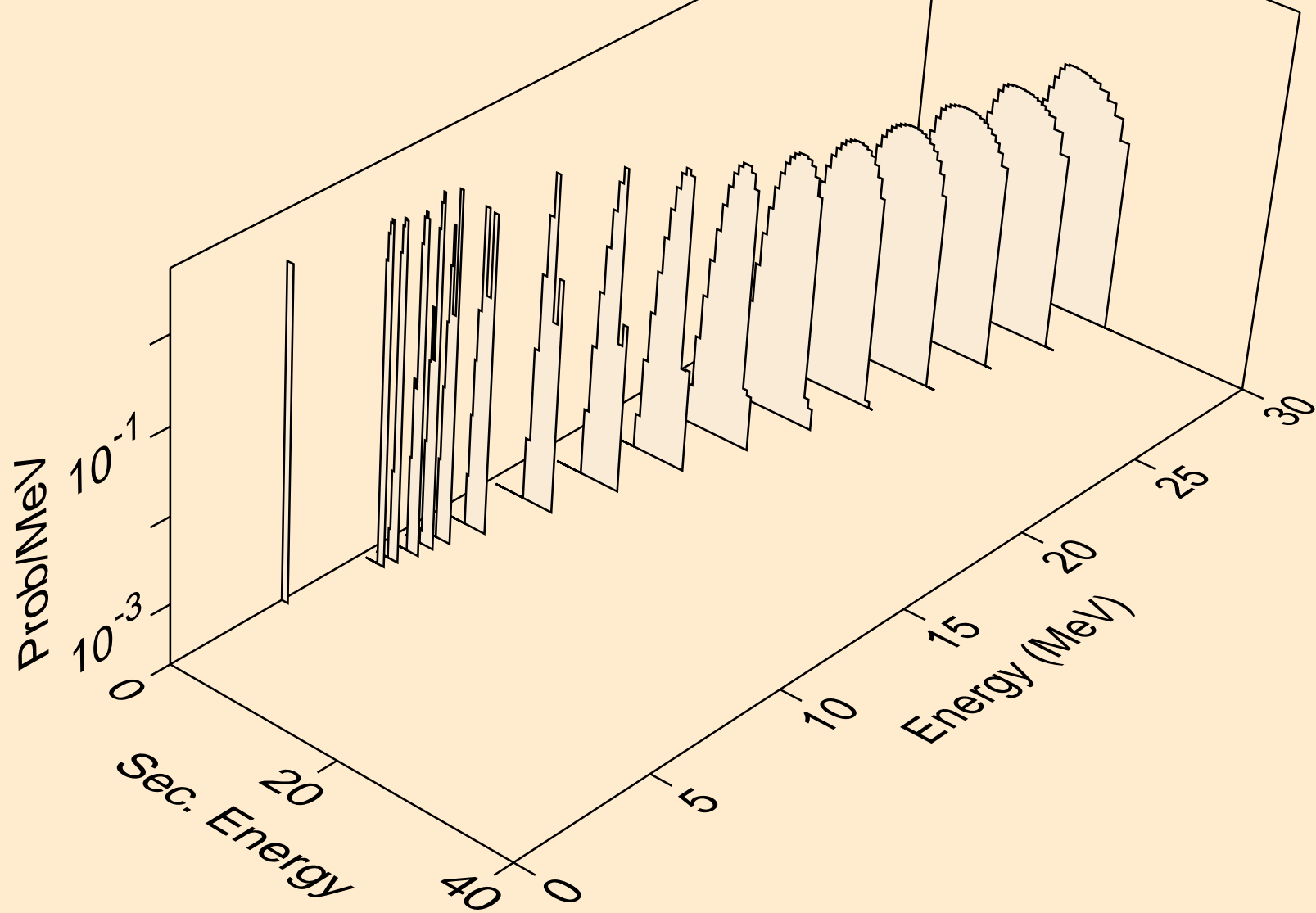


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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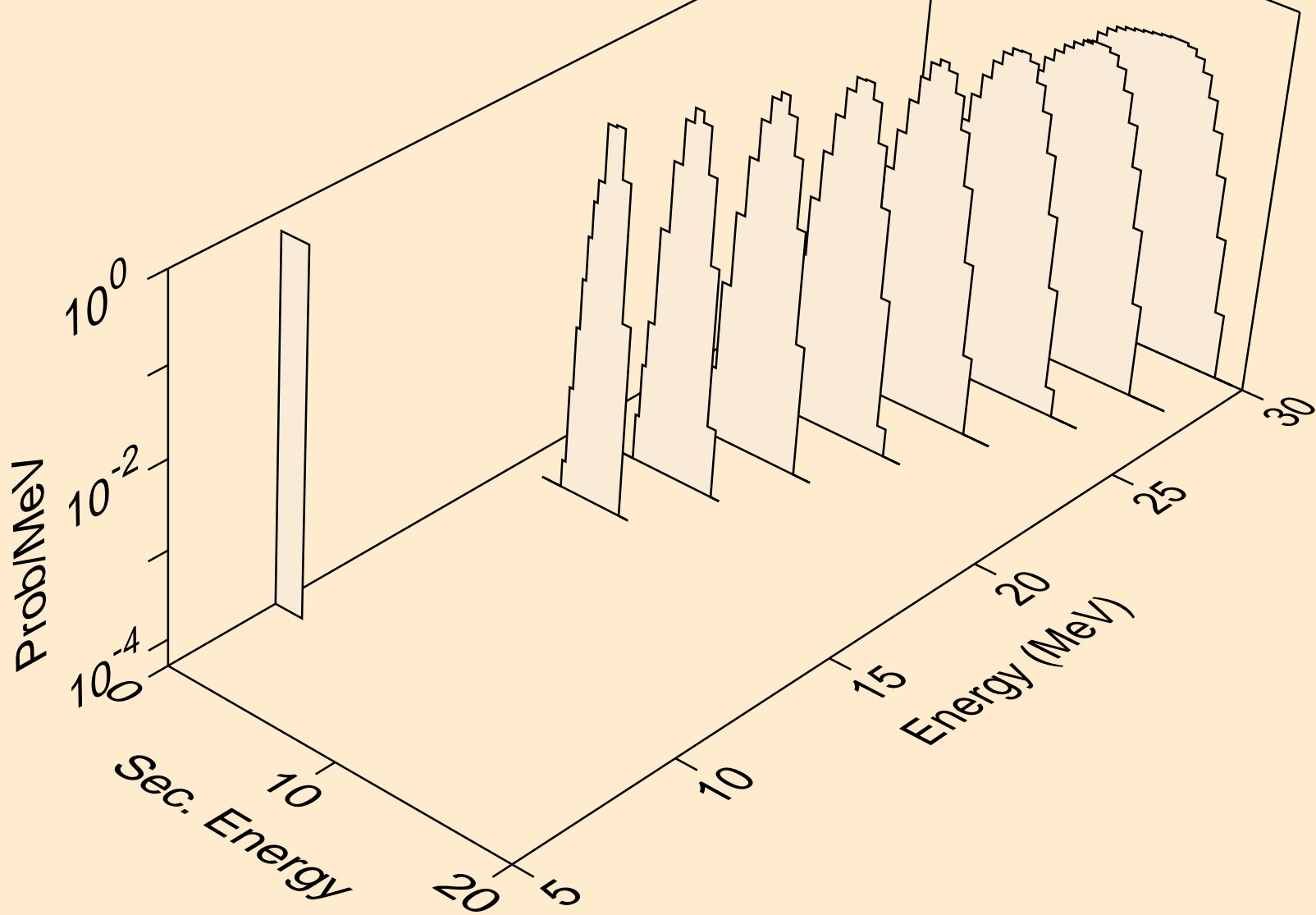




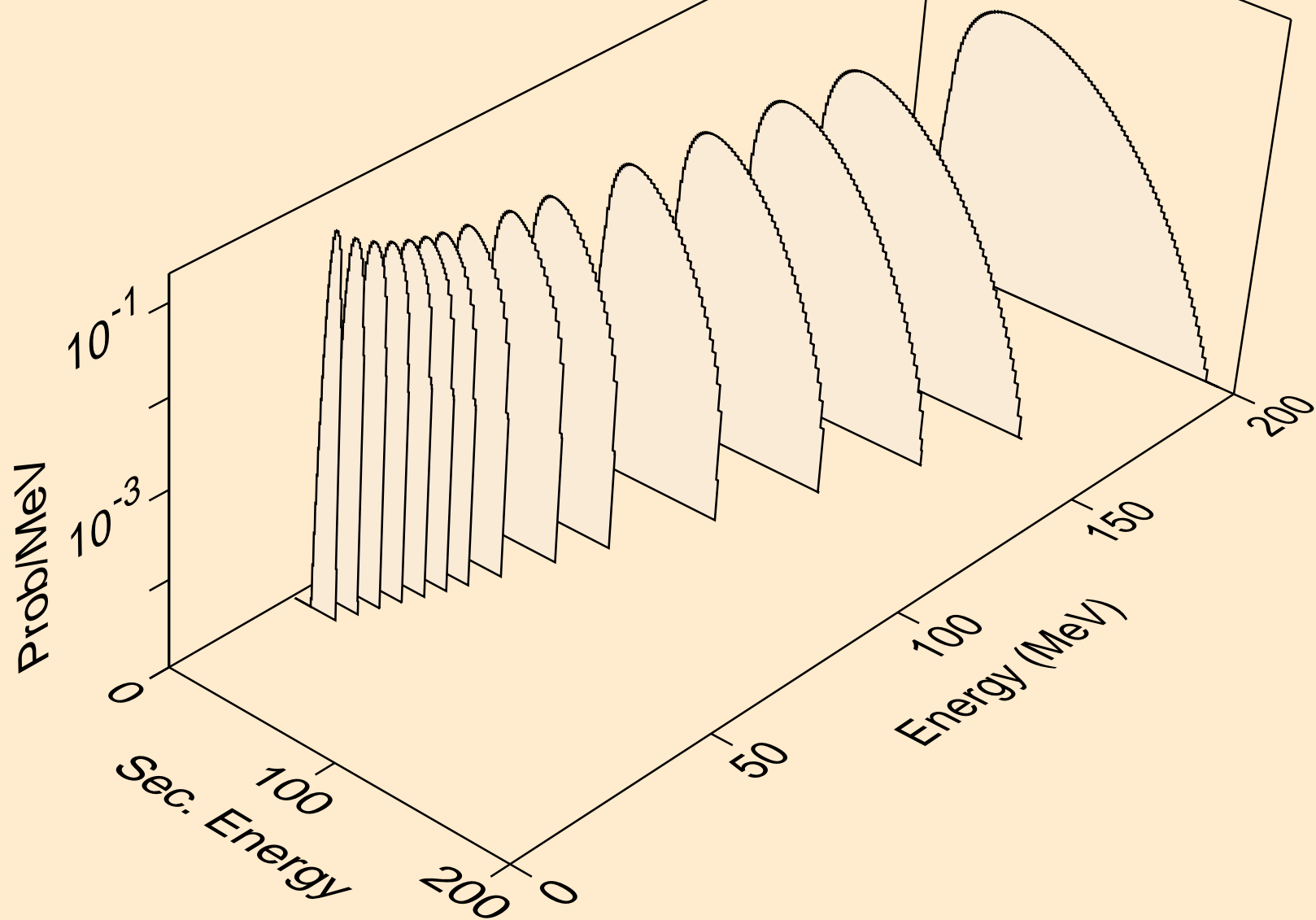
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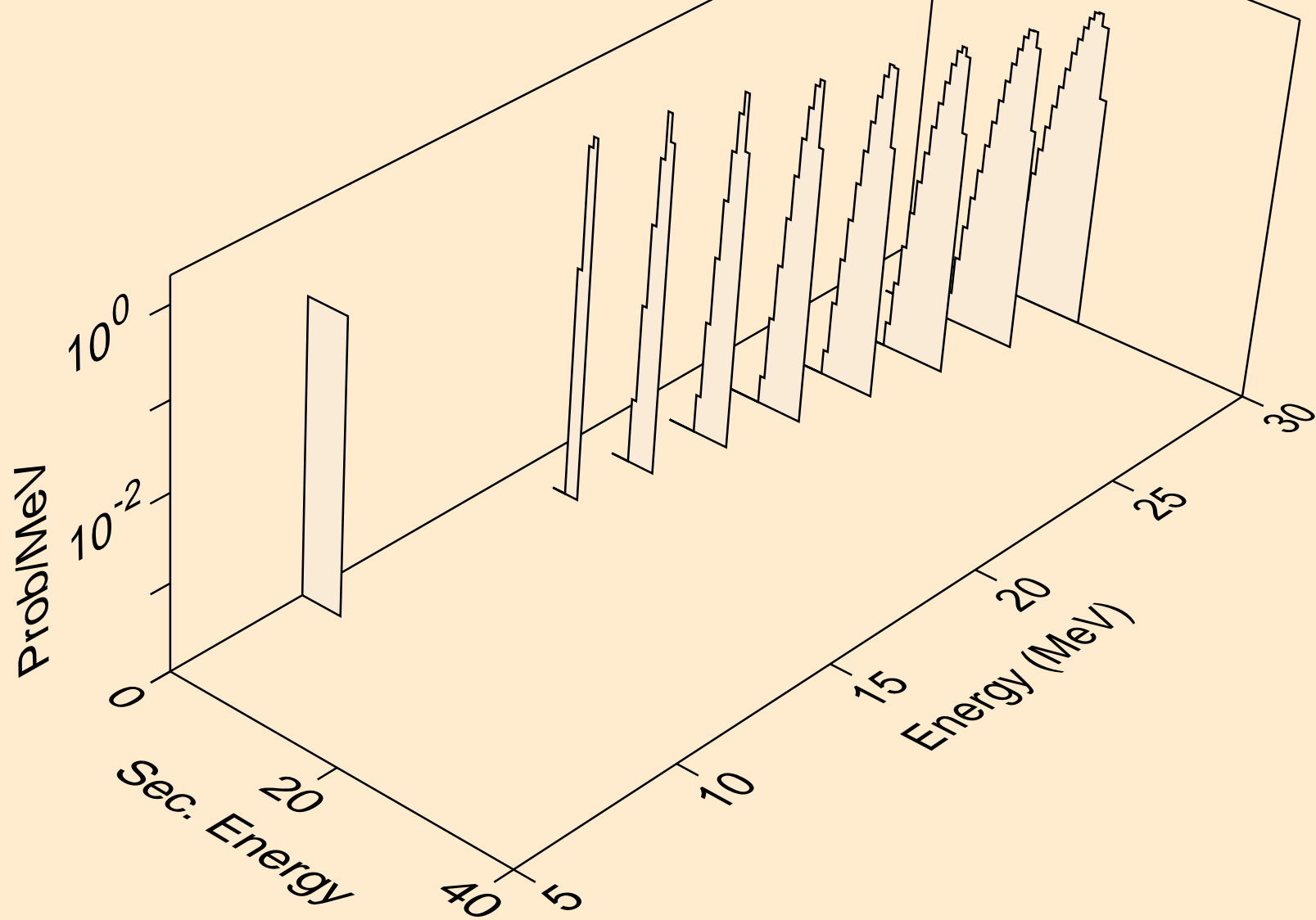
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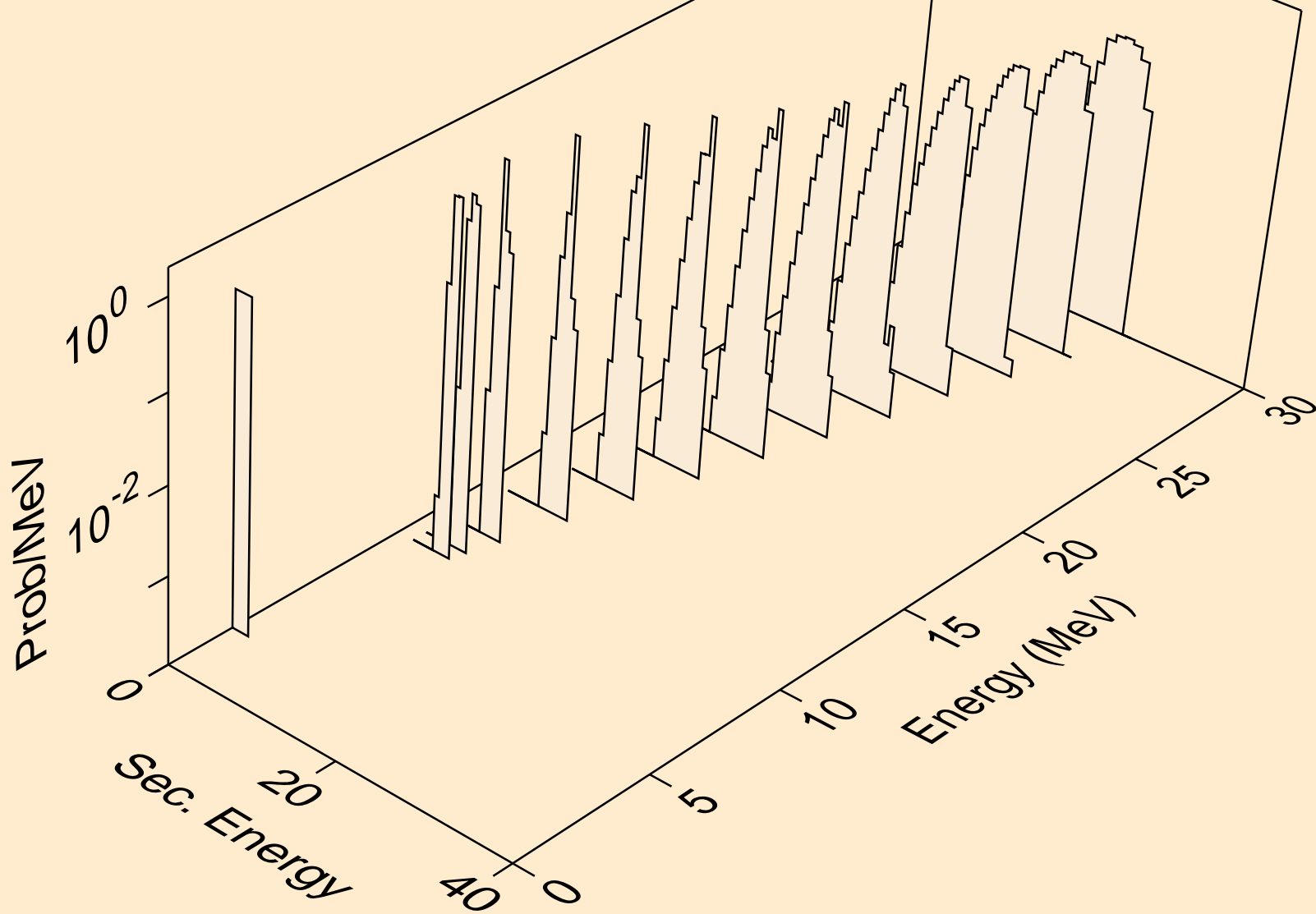
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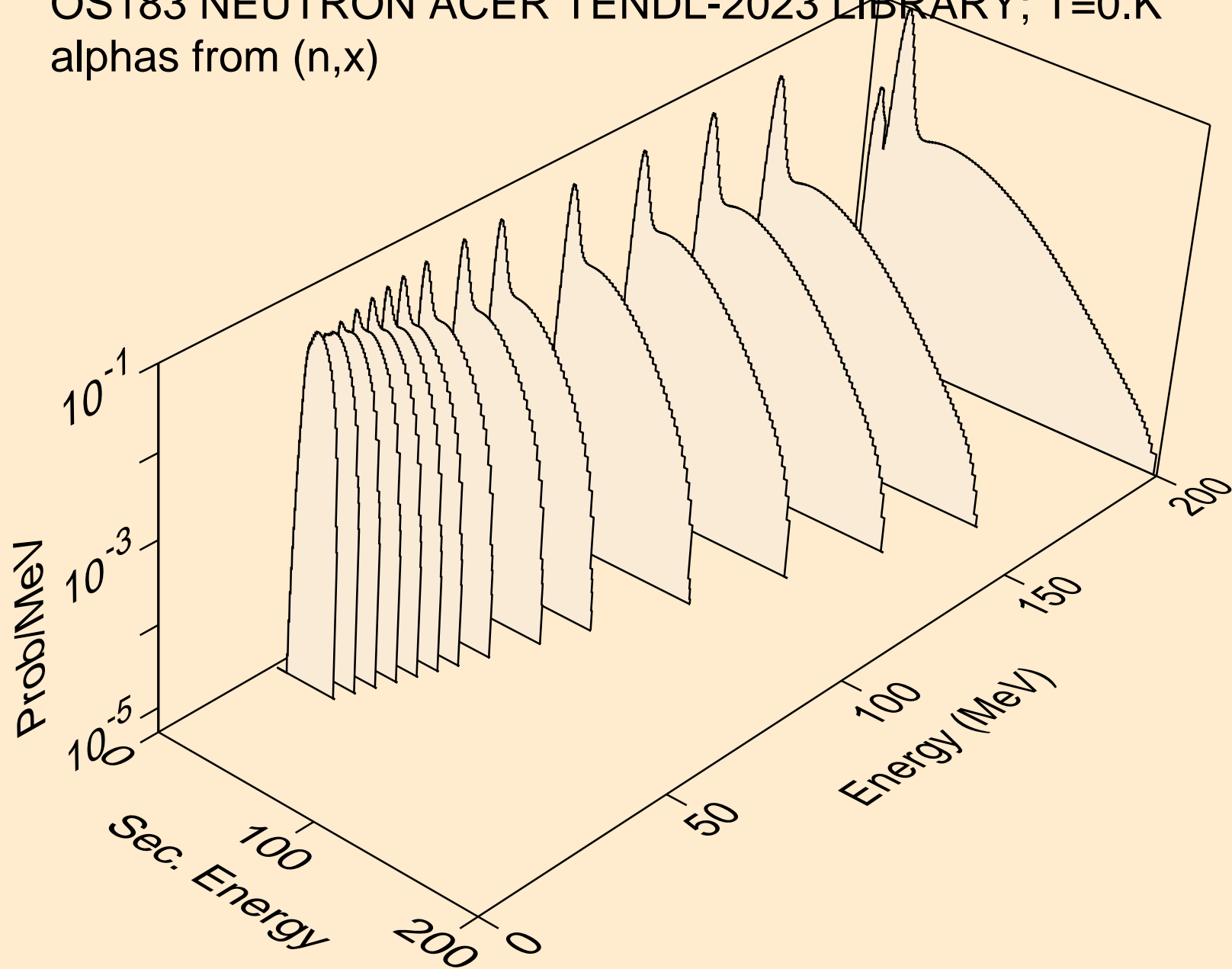
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he3s from (n,n\*)he3



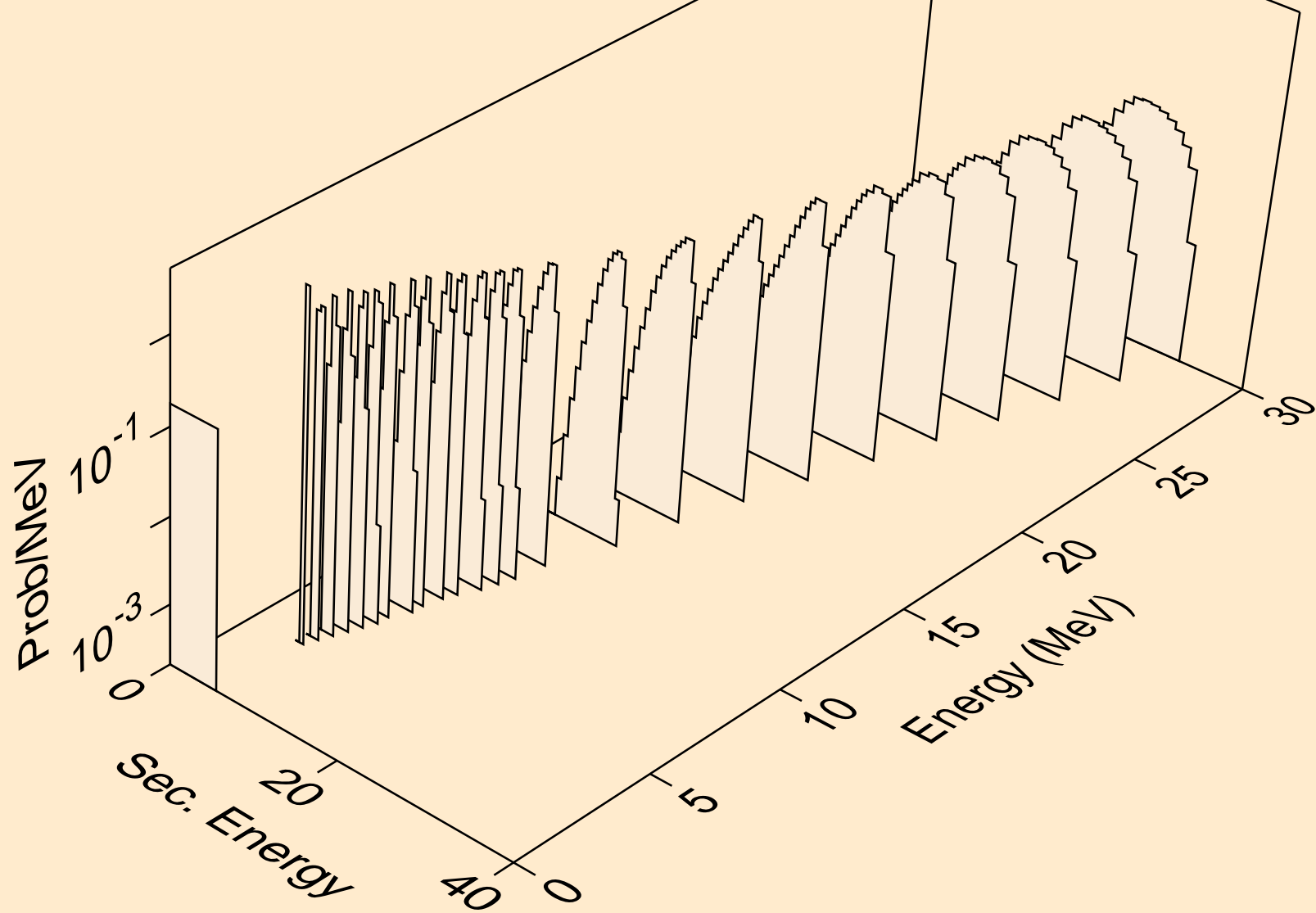
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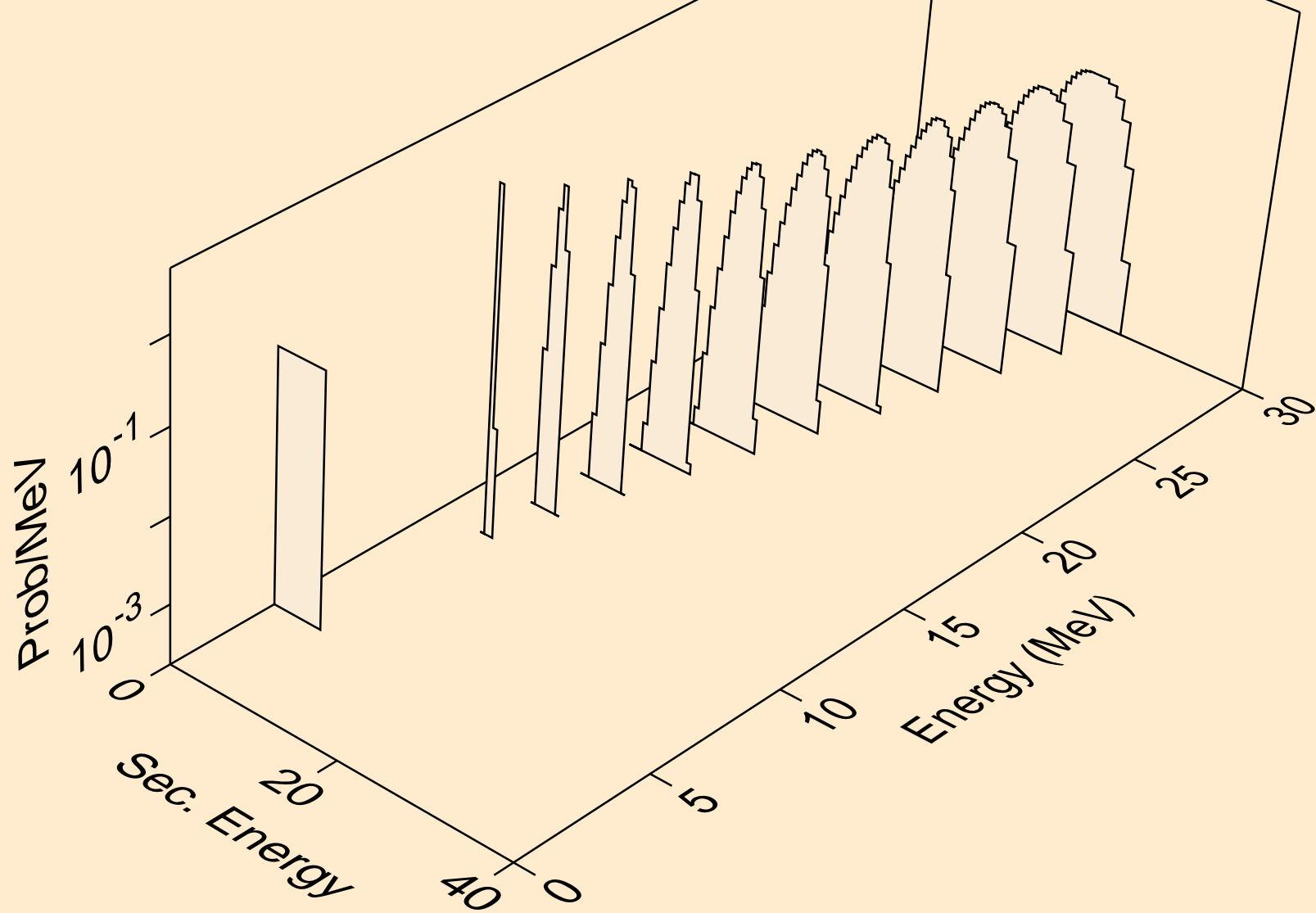
OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

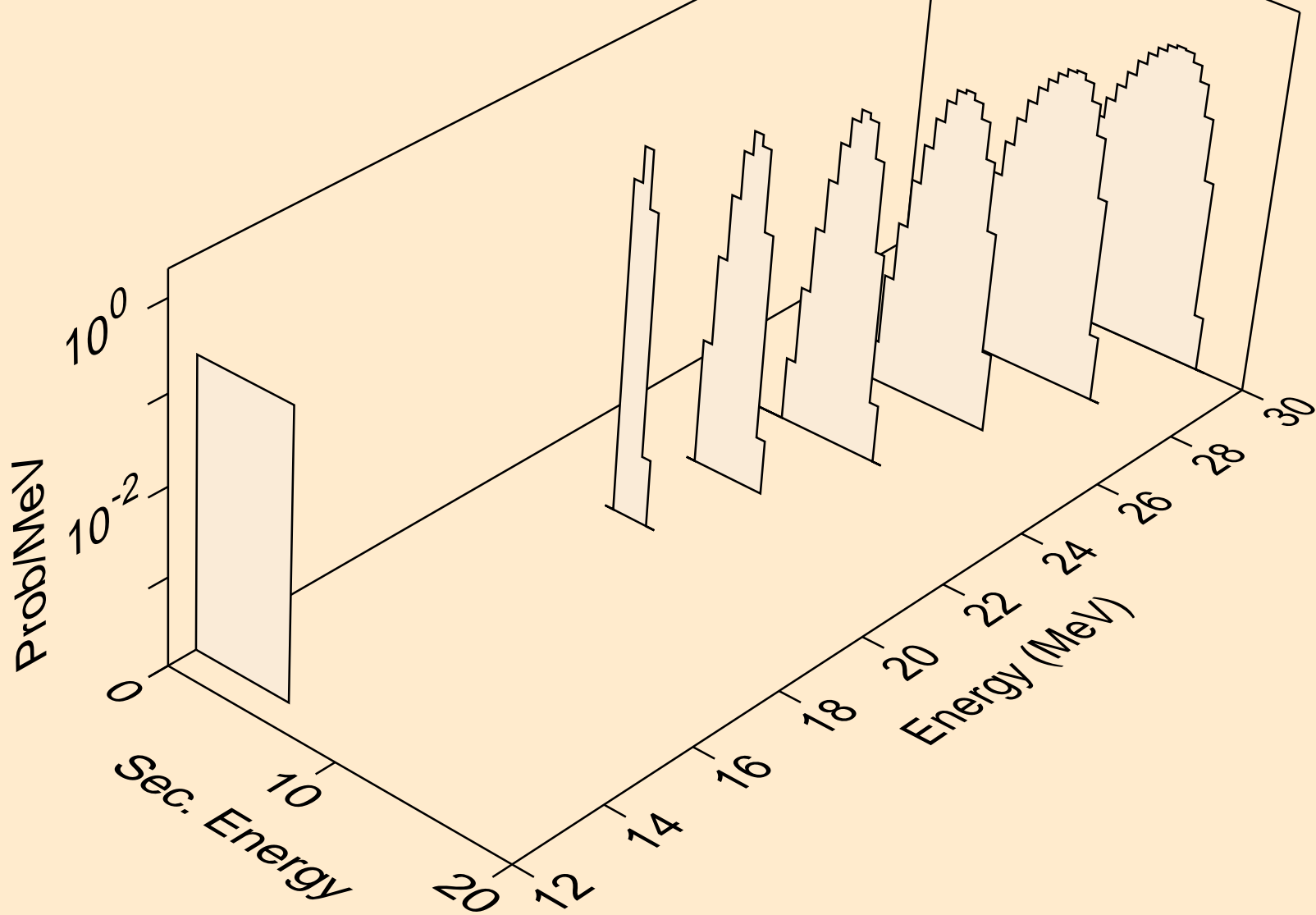


OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

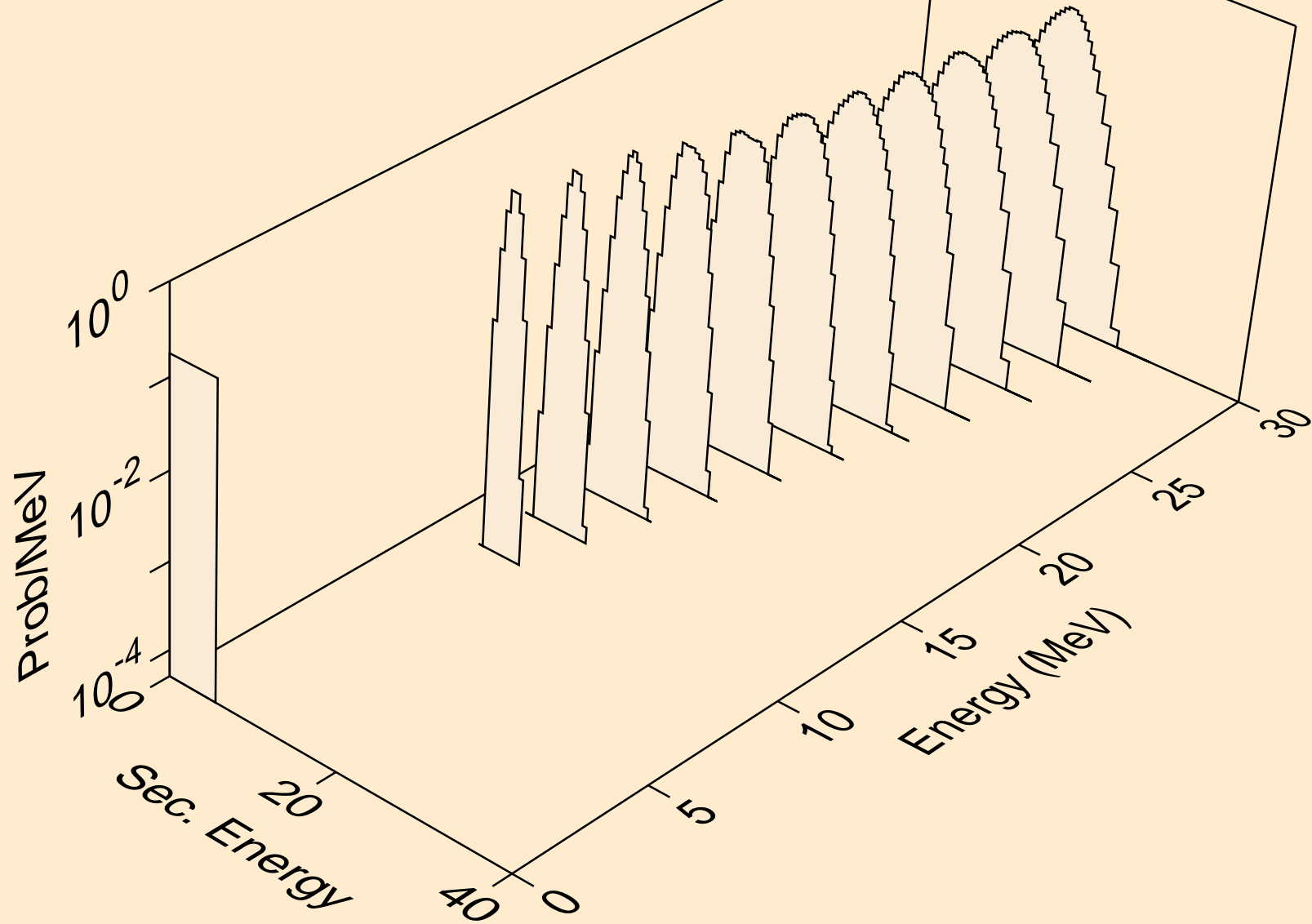




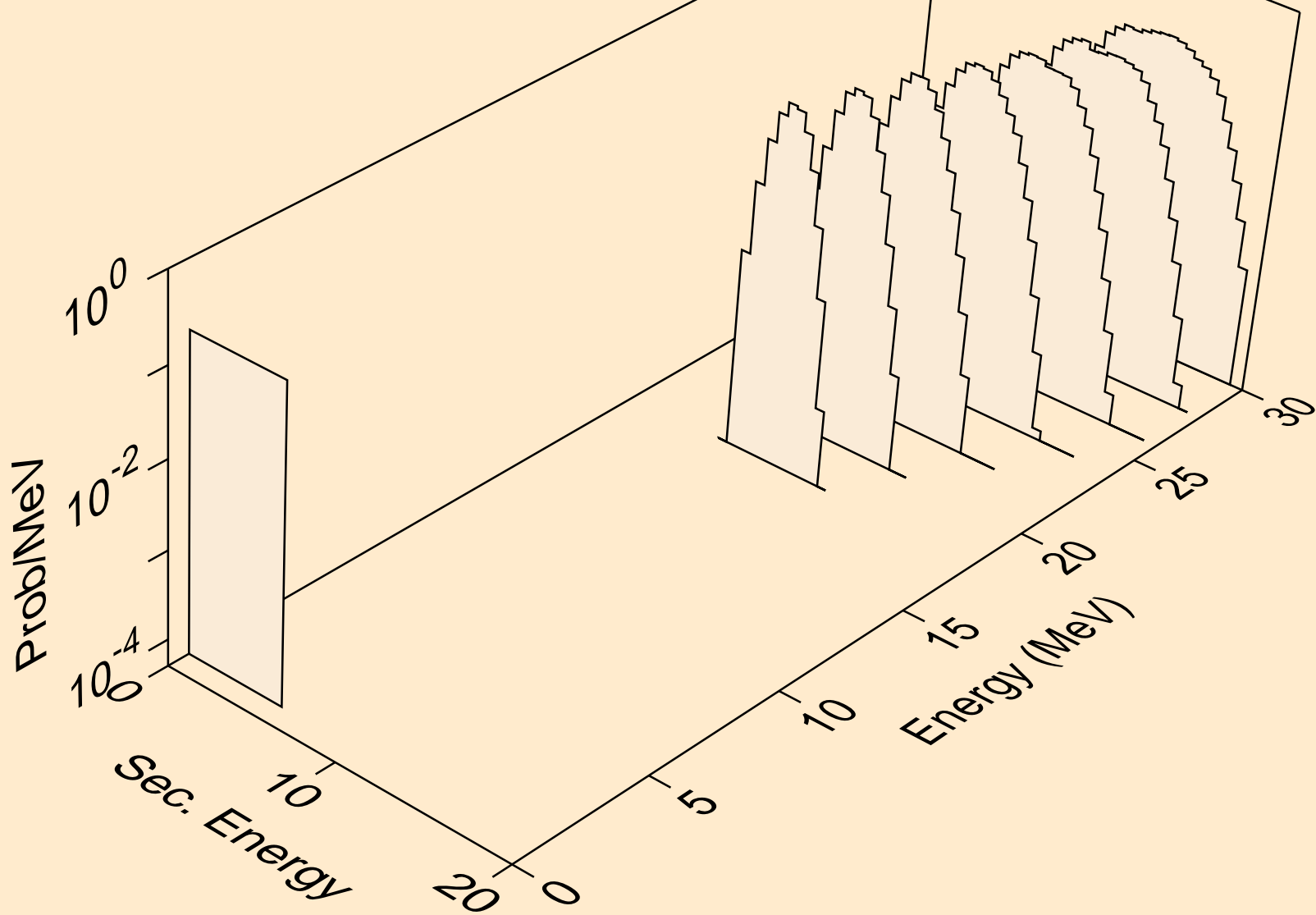
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alphas from (n,3n)a



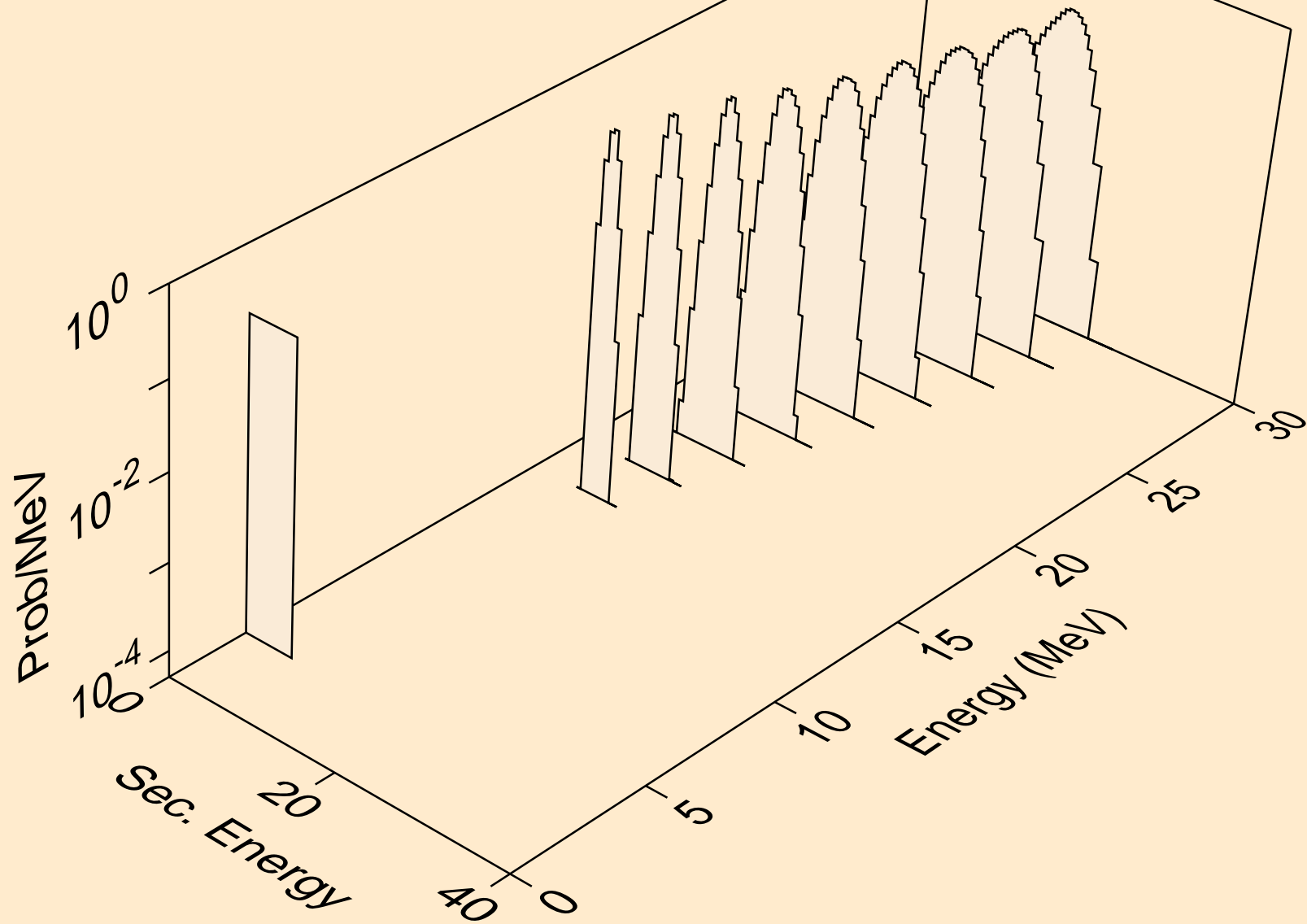
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alphas from (n,n\*)2a



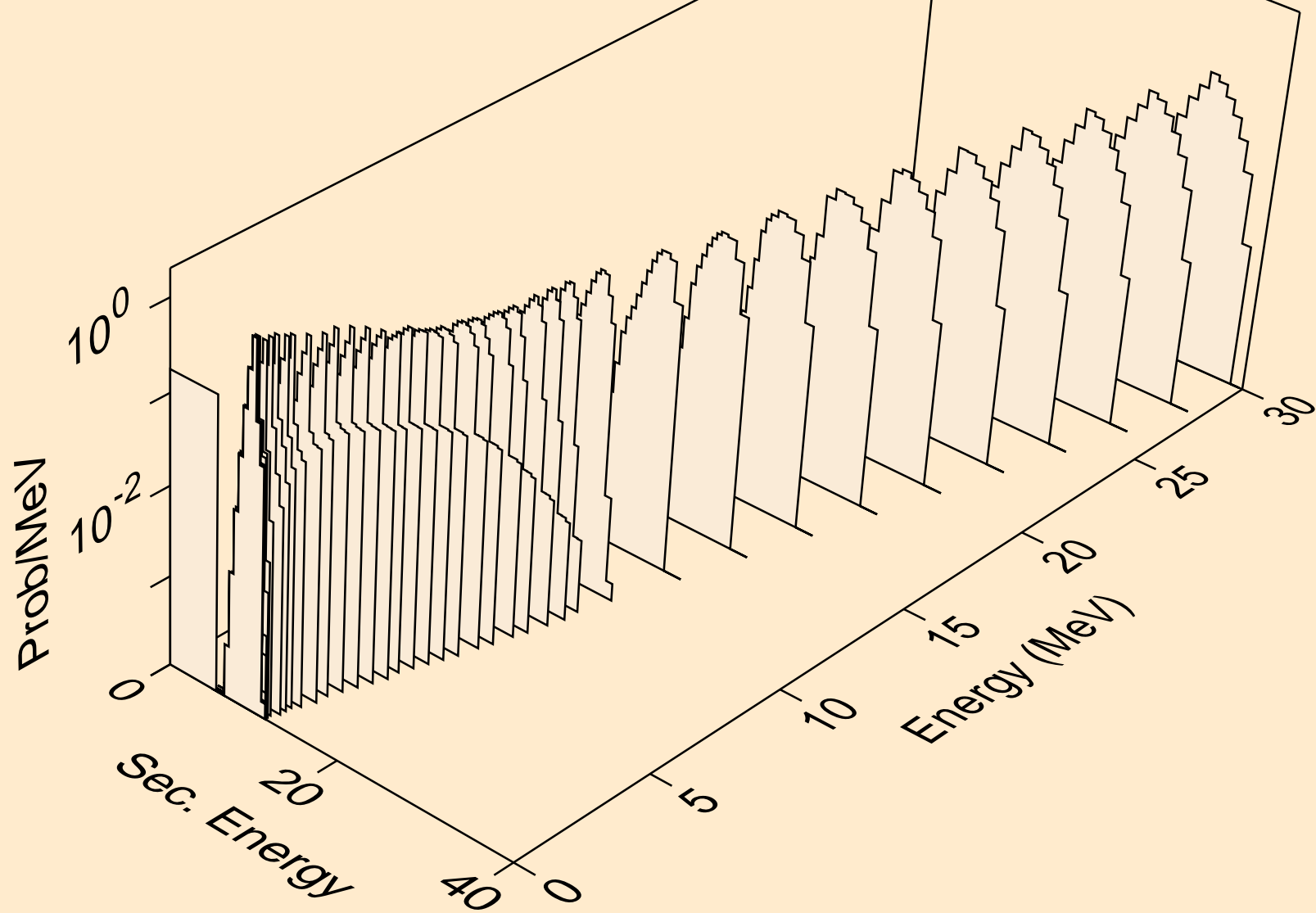
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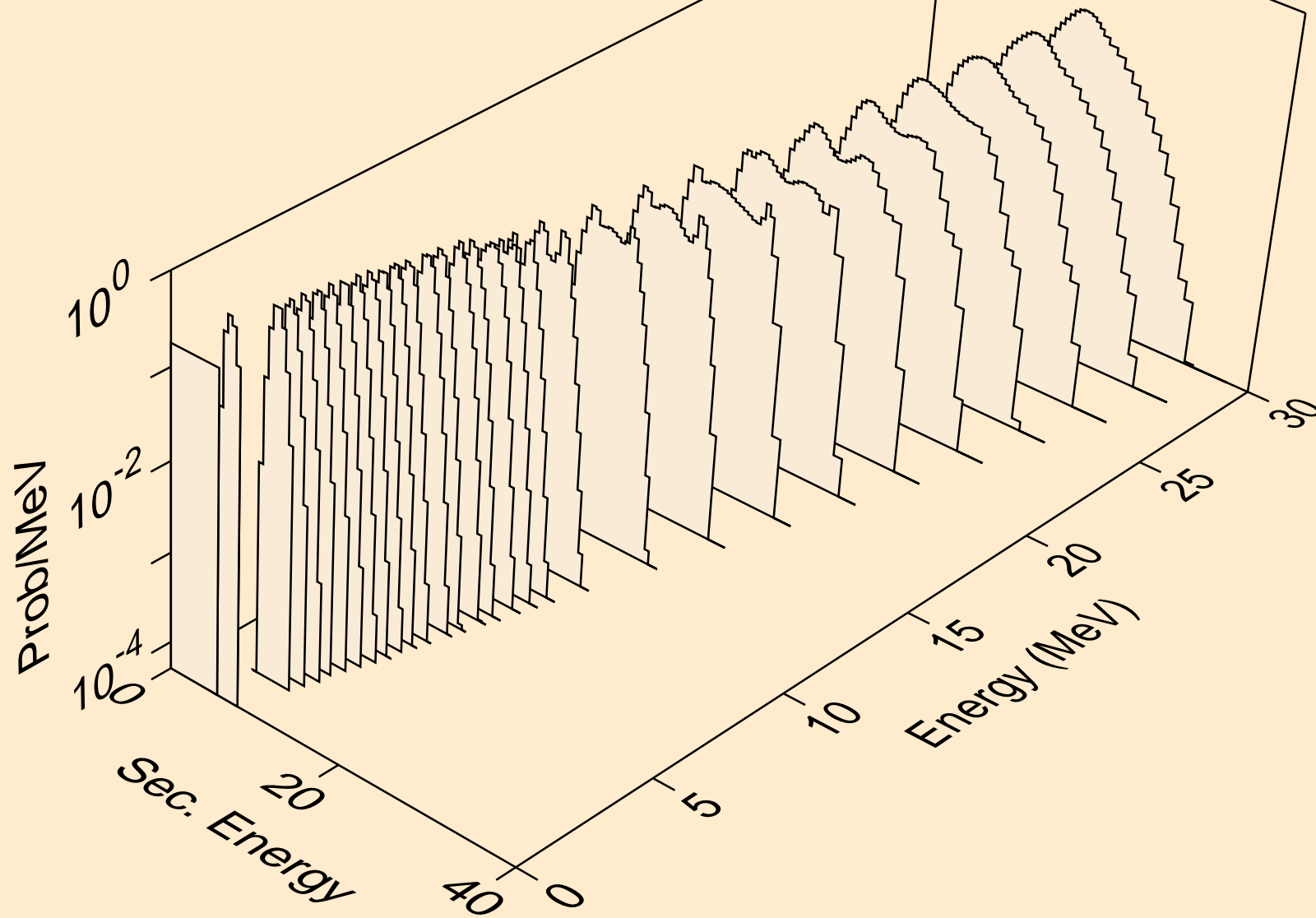
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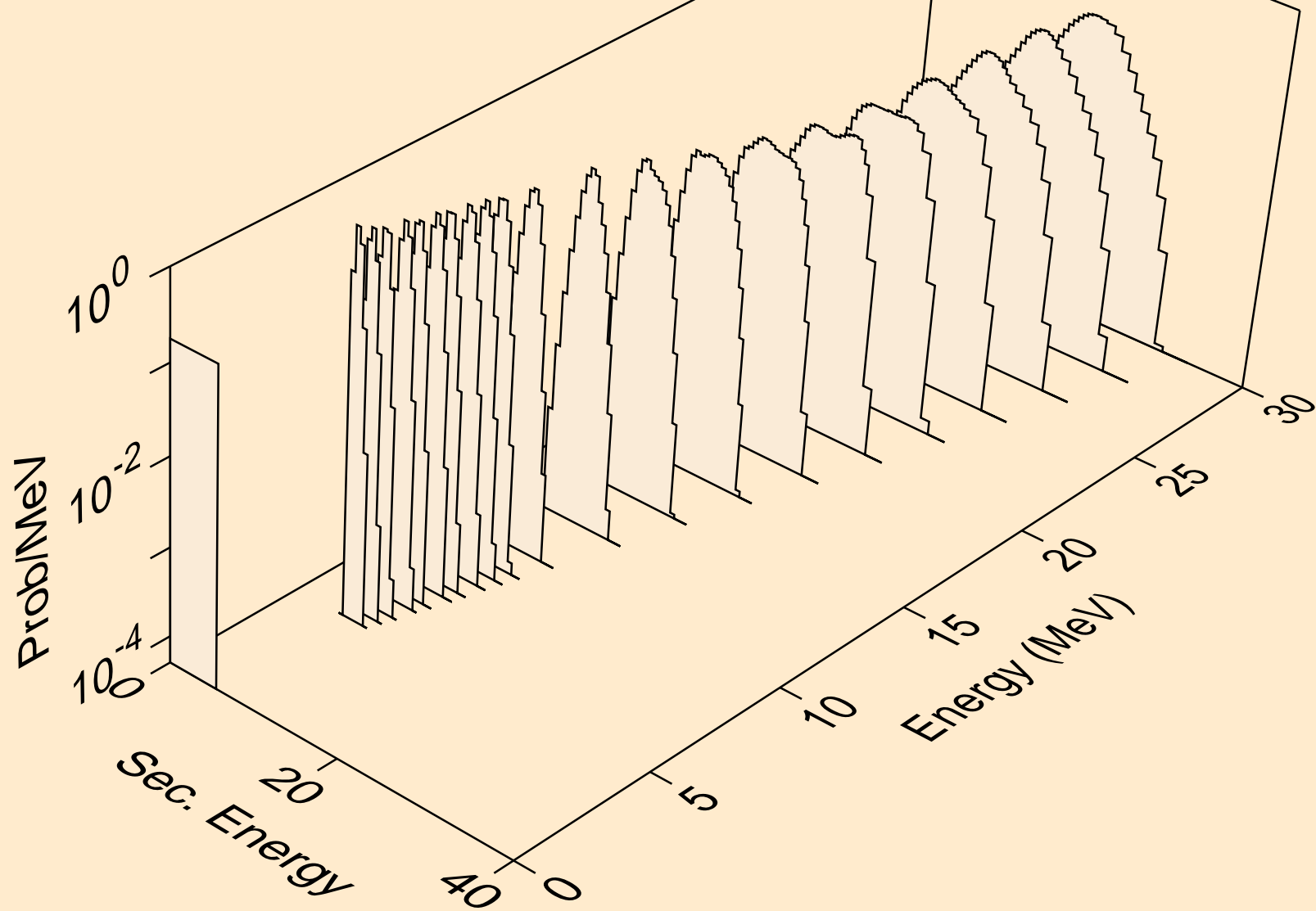
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alphas from (n,a)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,p)



OS183 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

