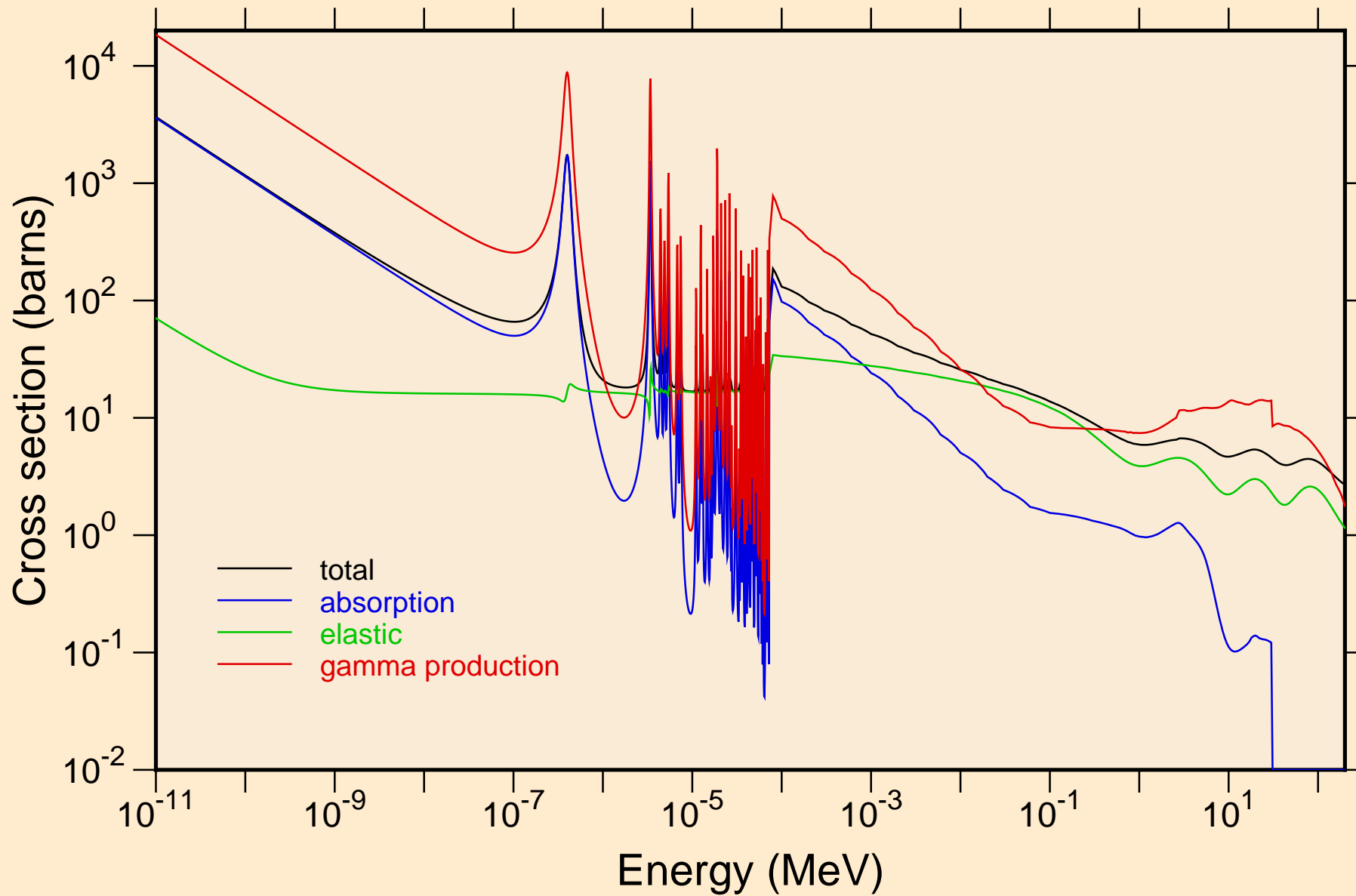
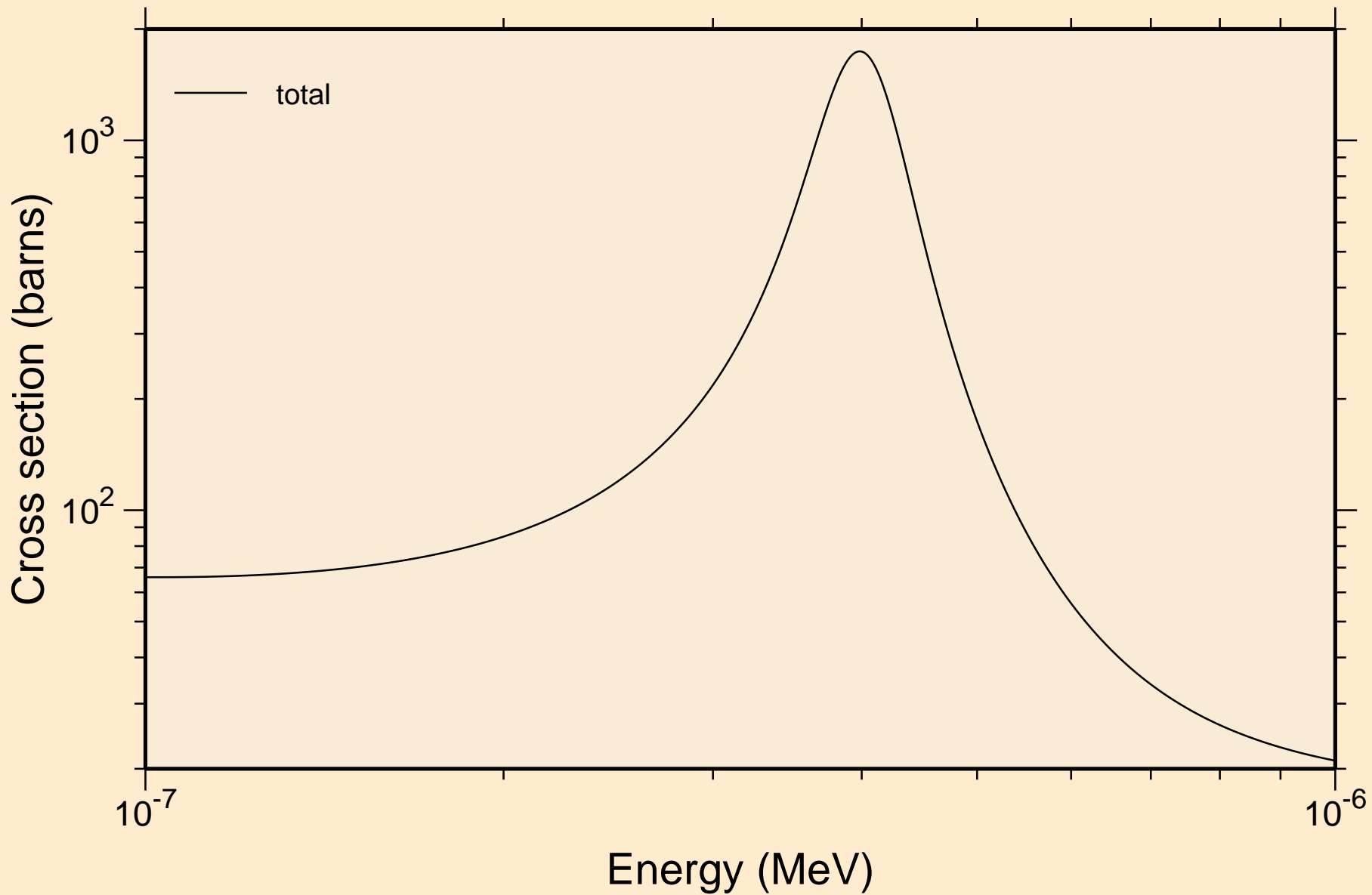


# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

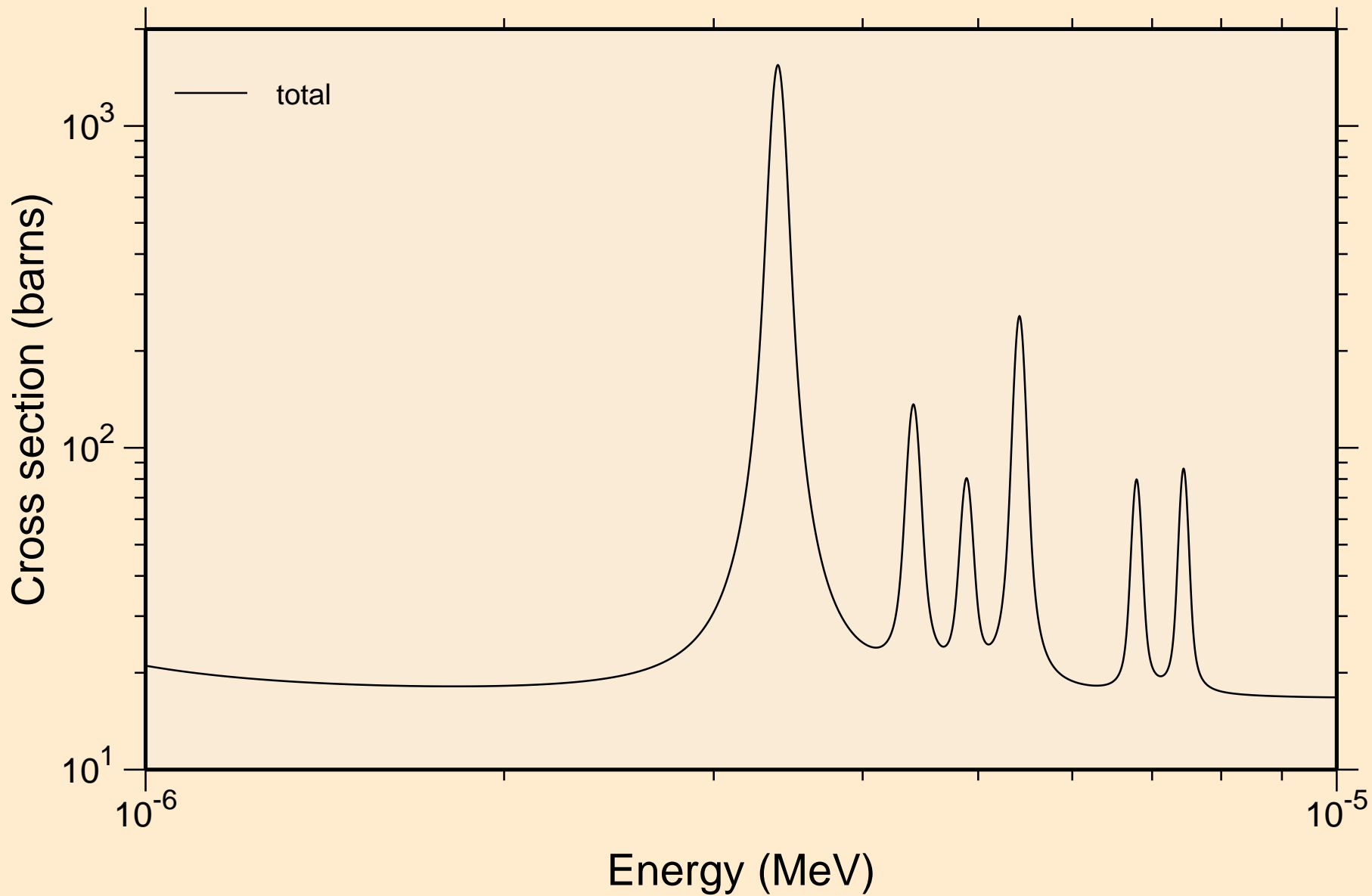
## Principal cross sections



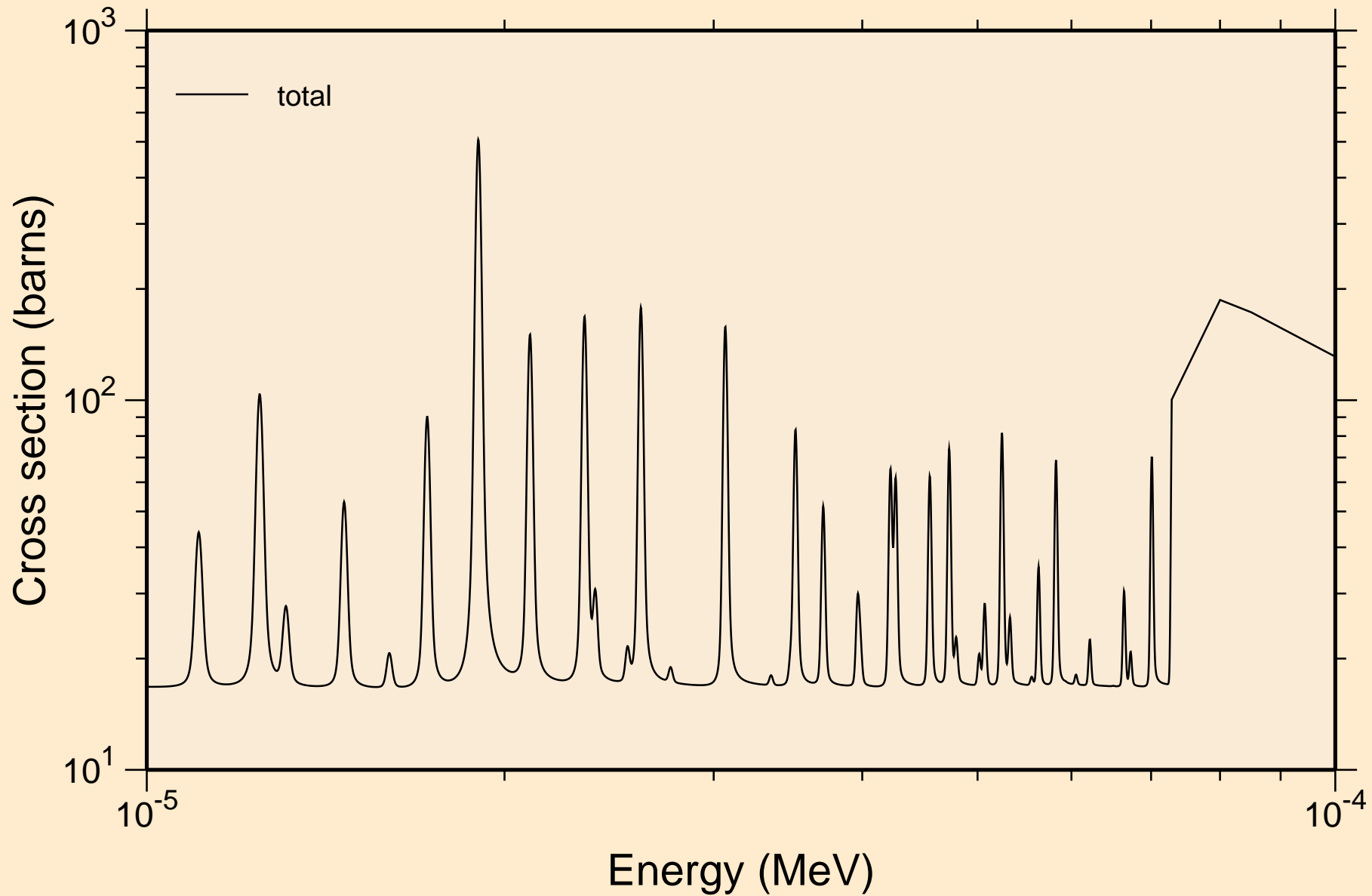
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



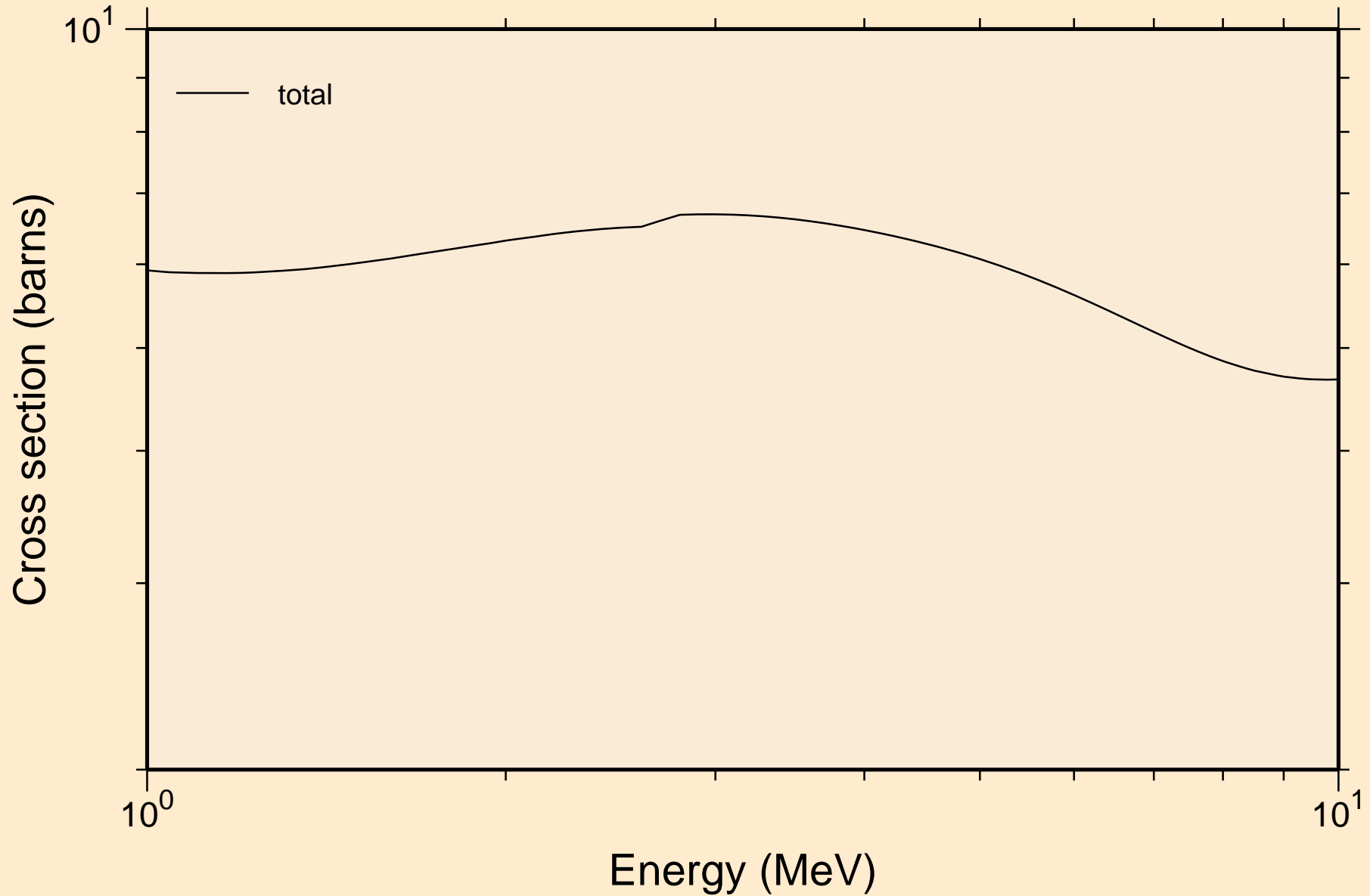
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



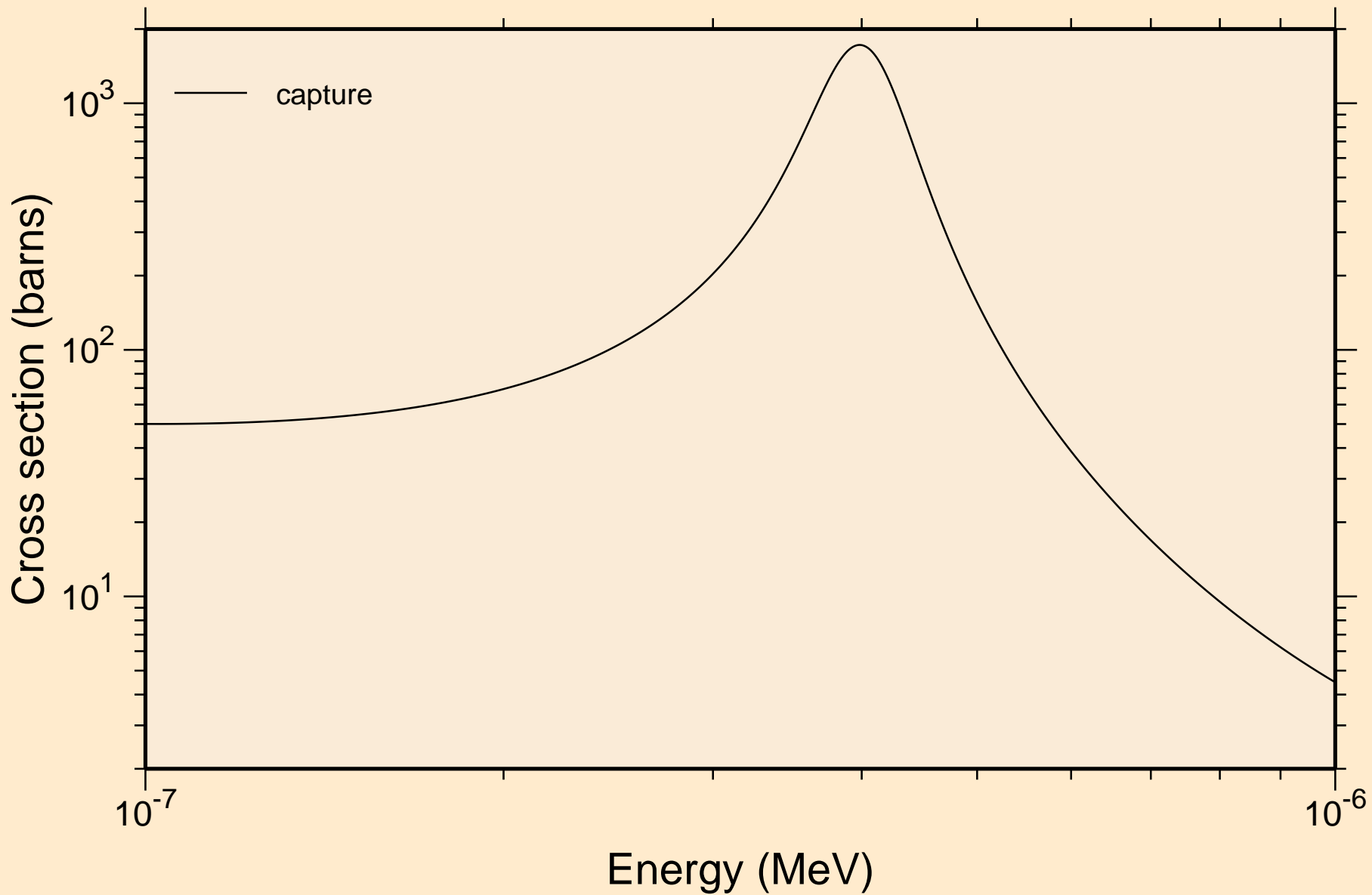
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resonance total cross section



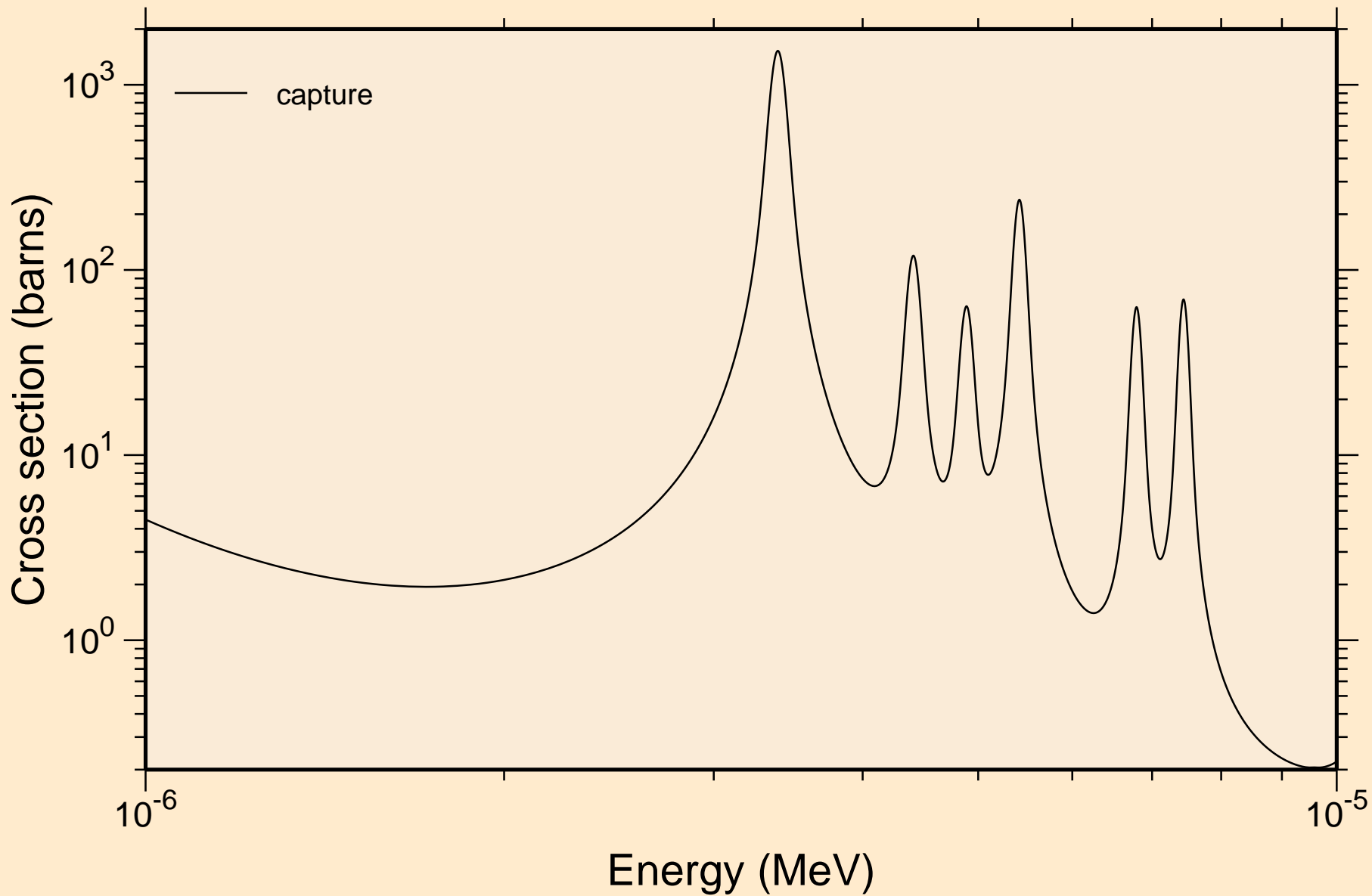
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



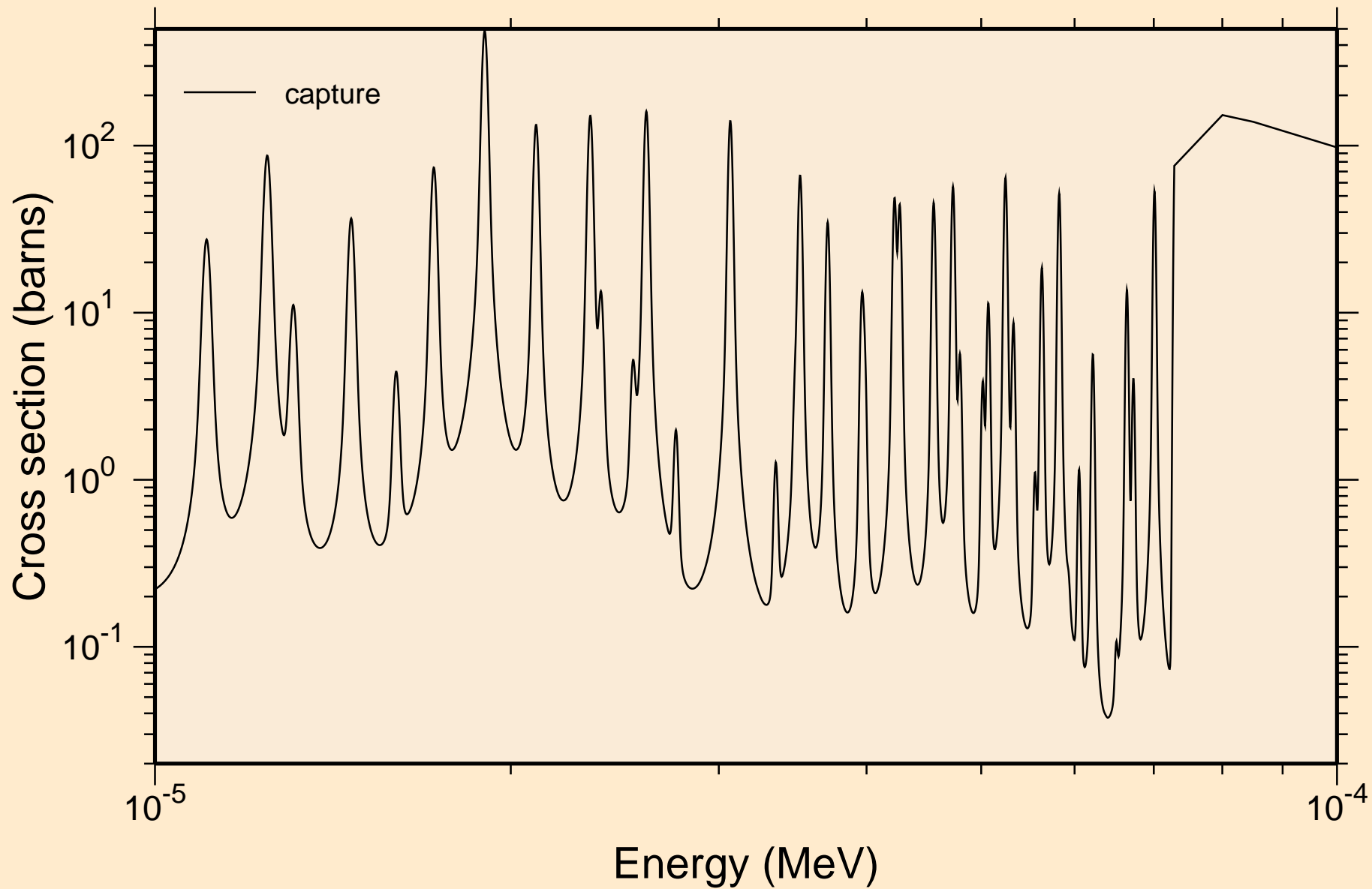
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

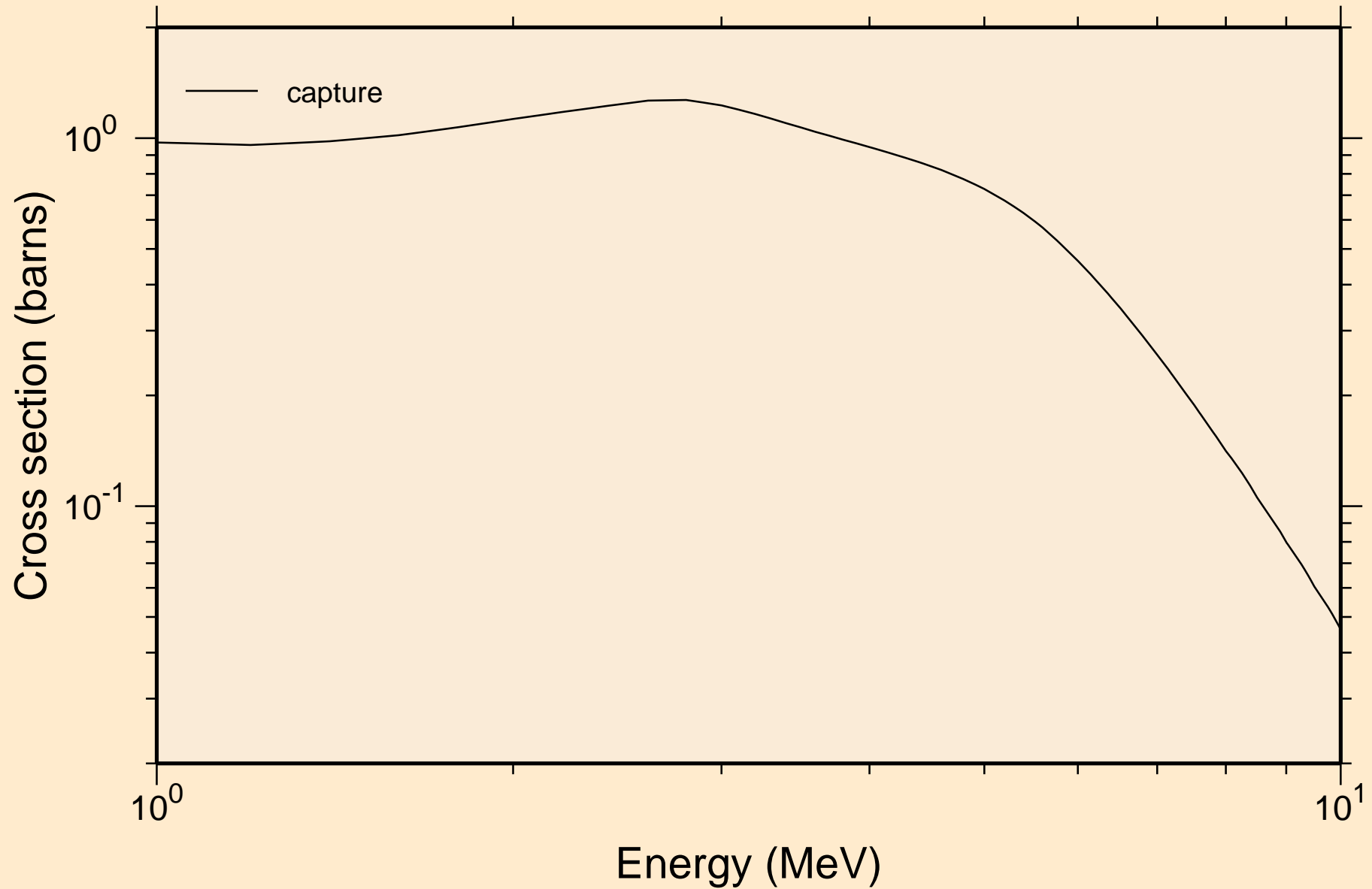


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

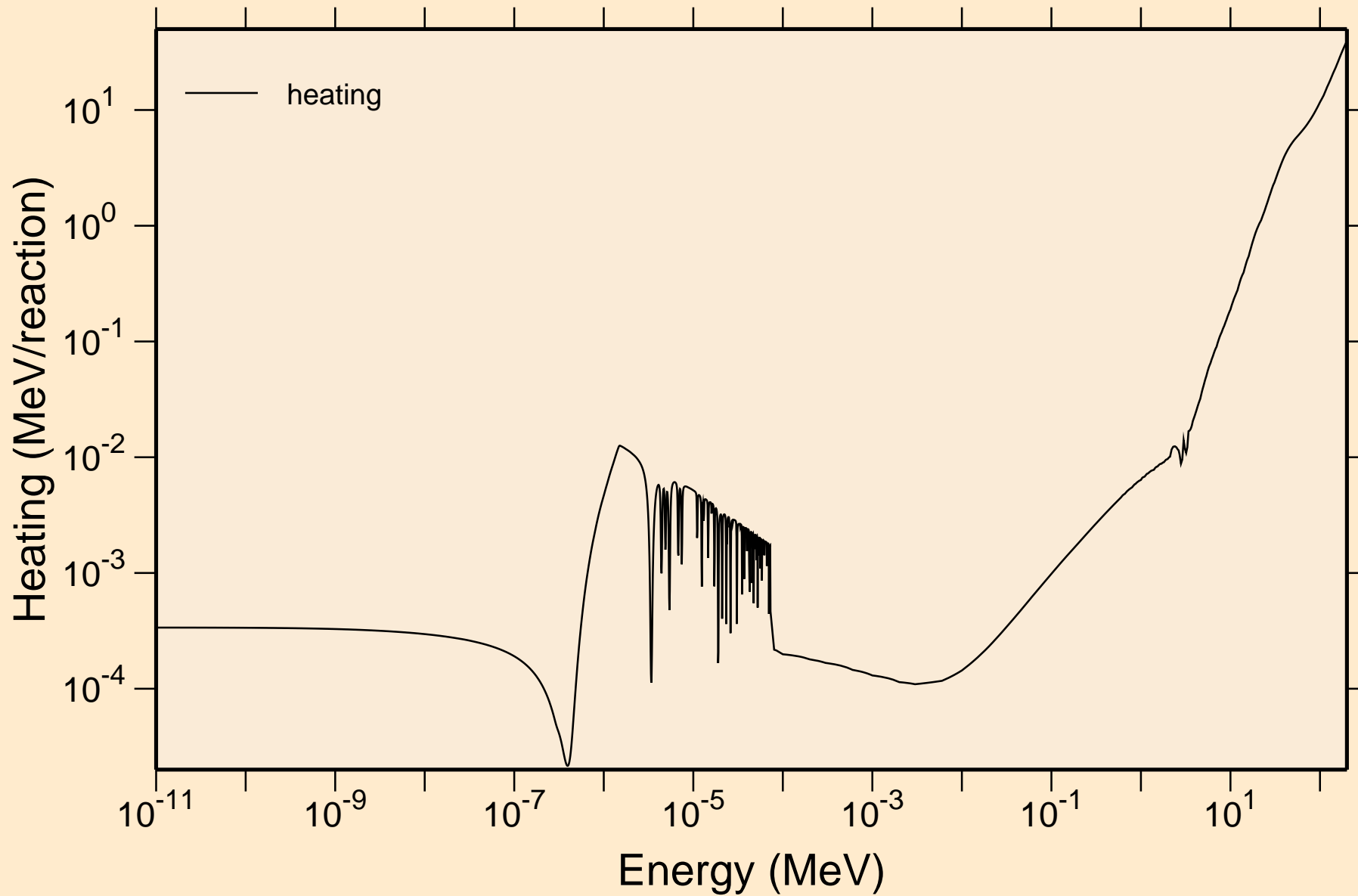




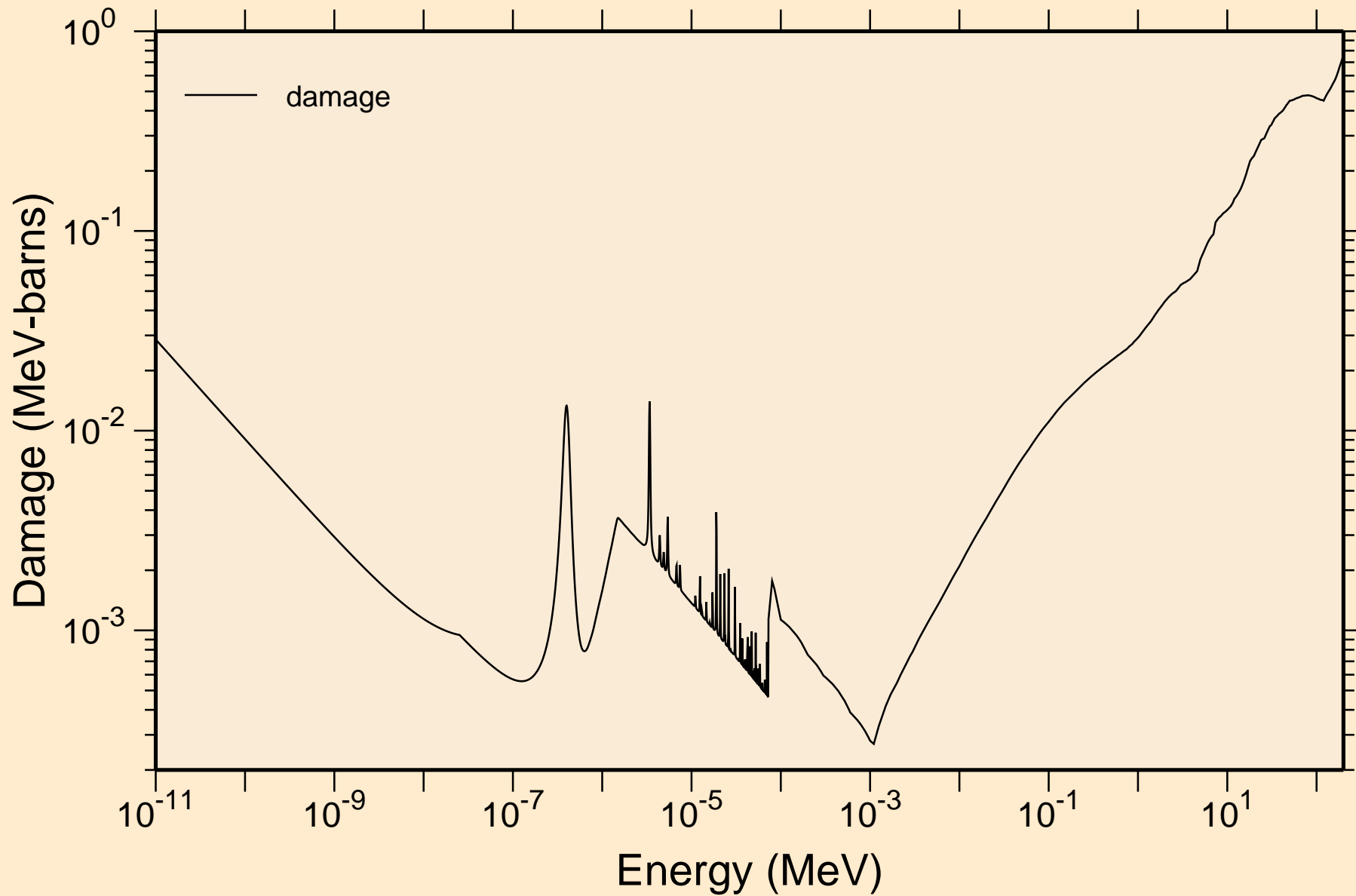
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

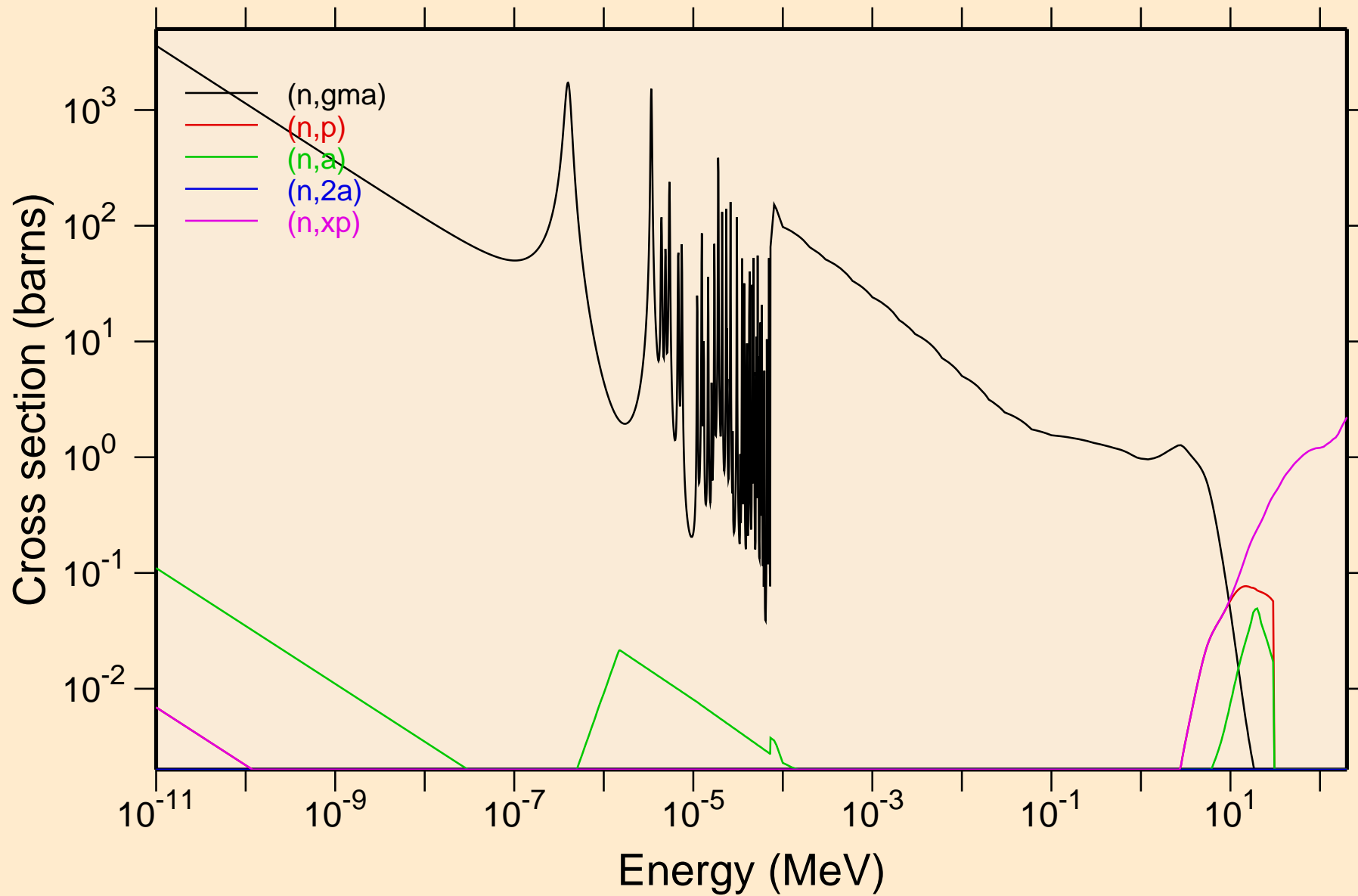


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

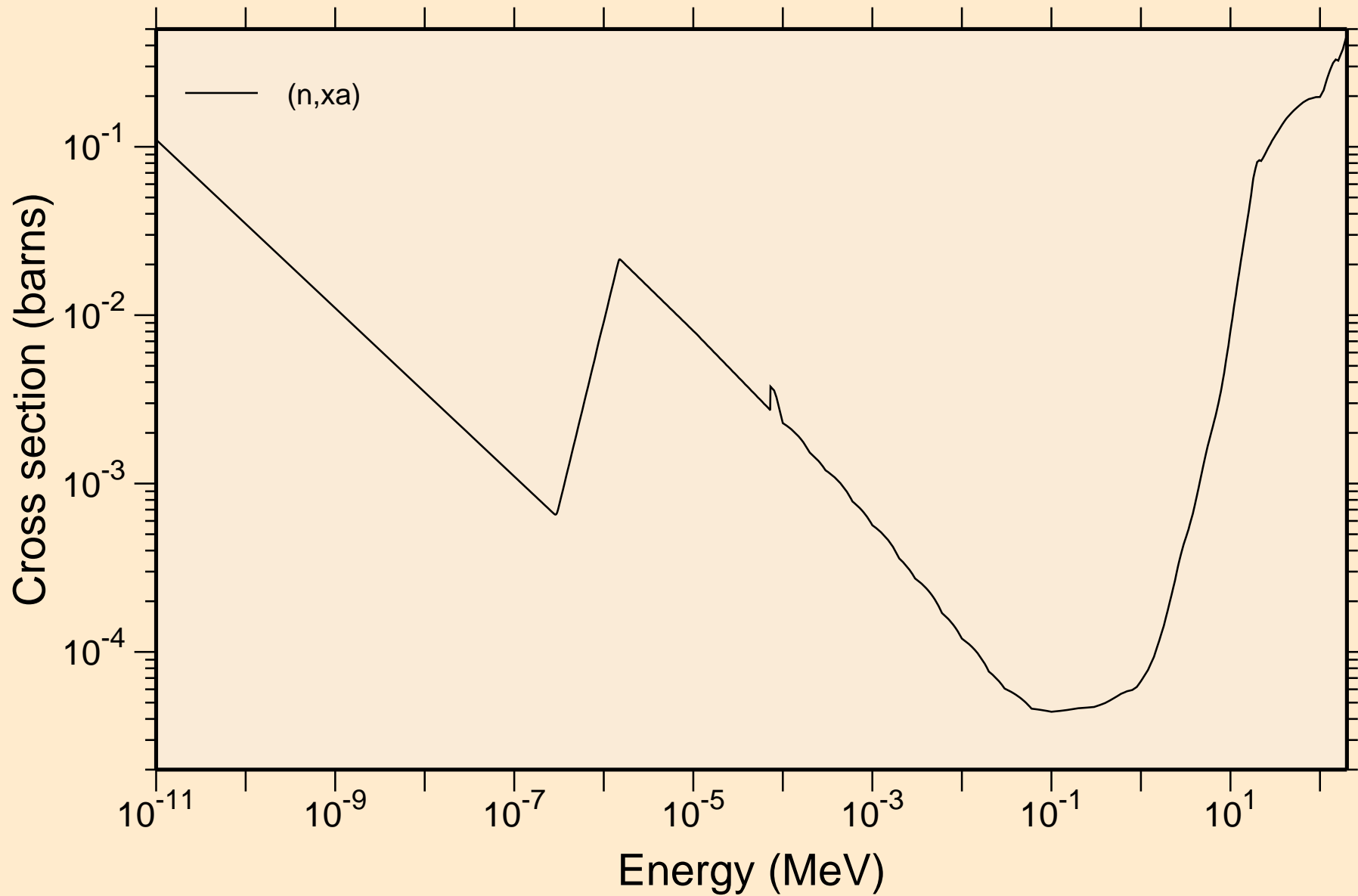


# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

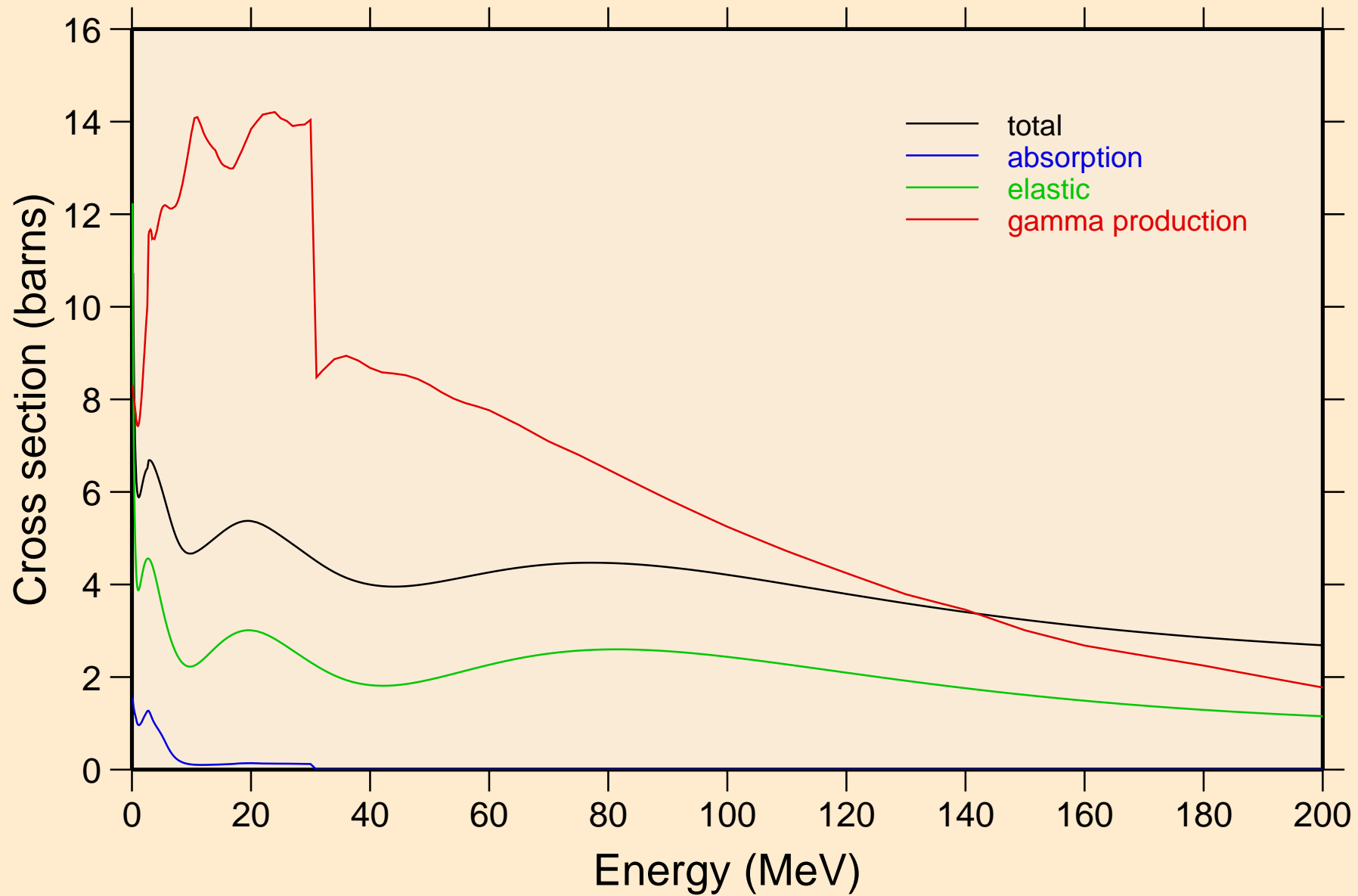


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



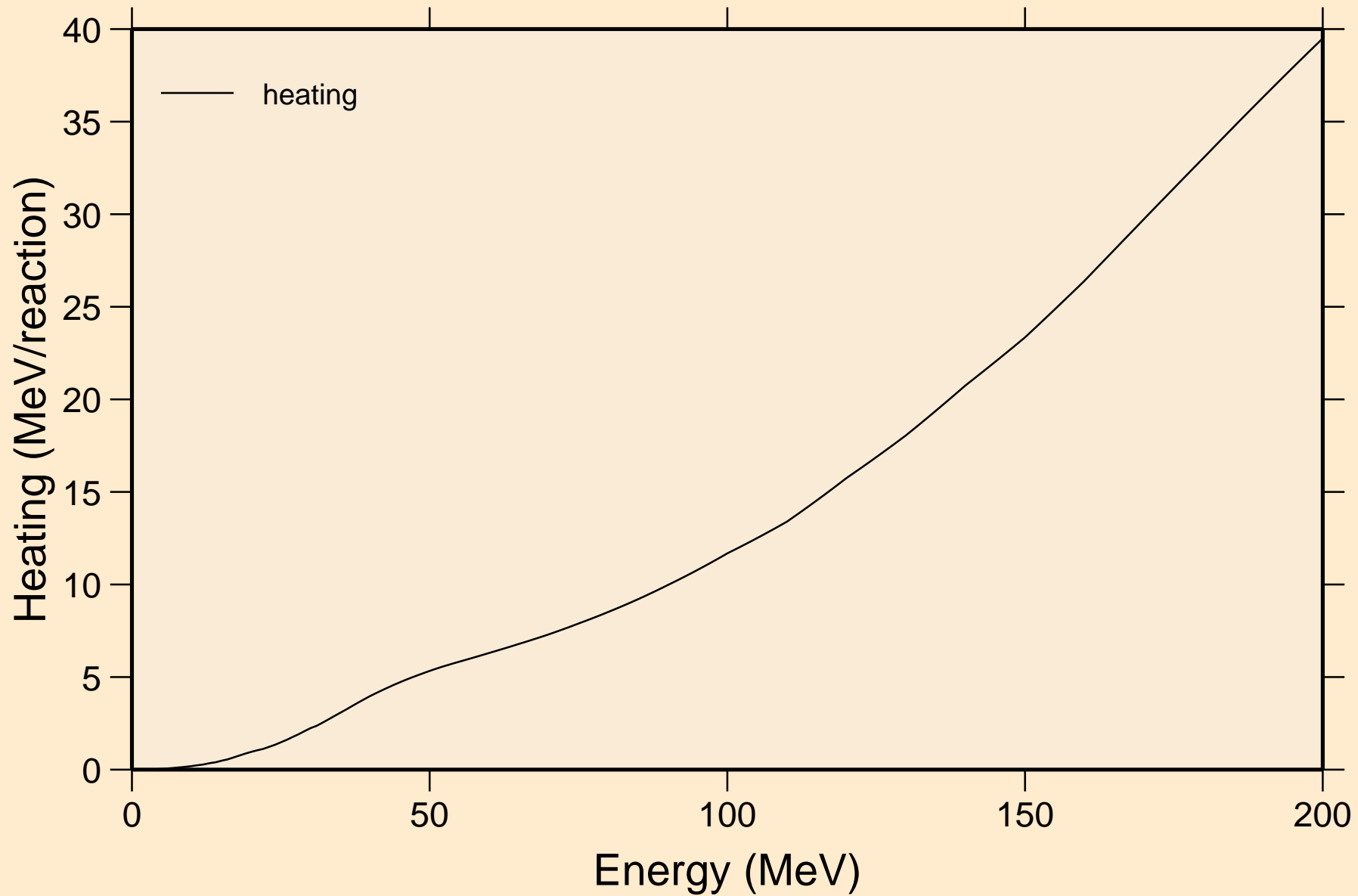
# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

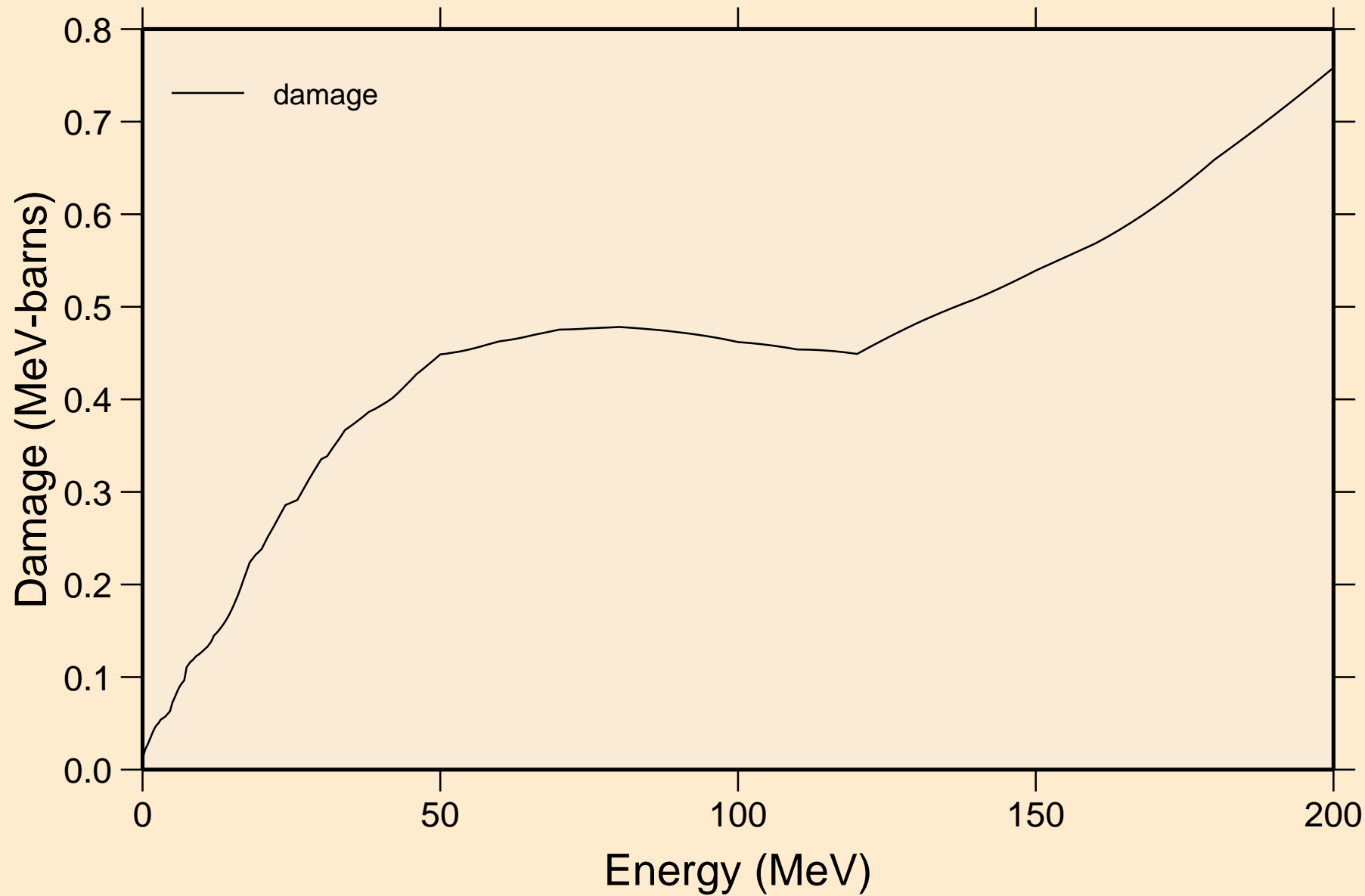


# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

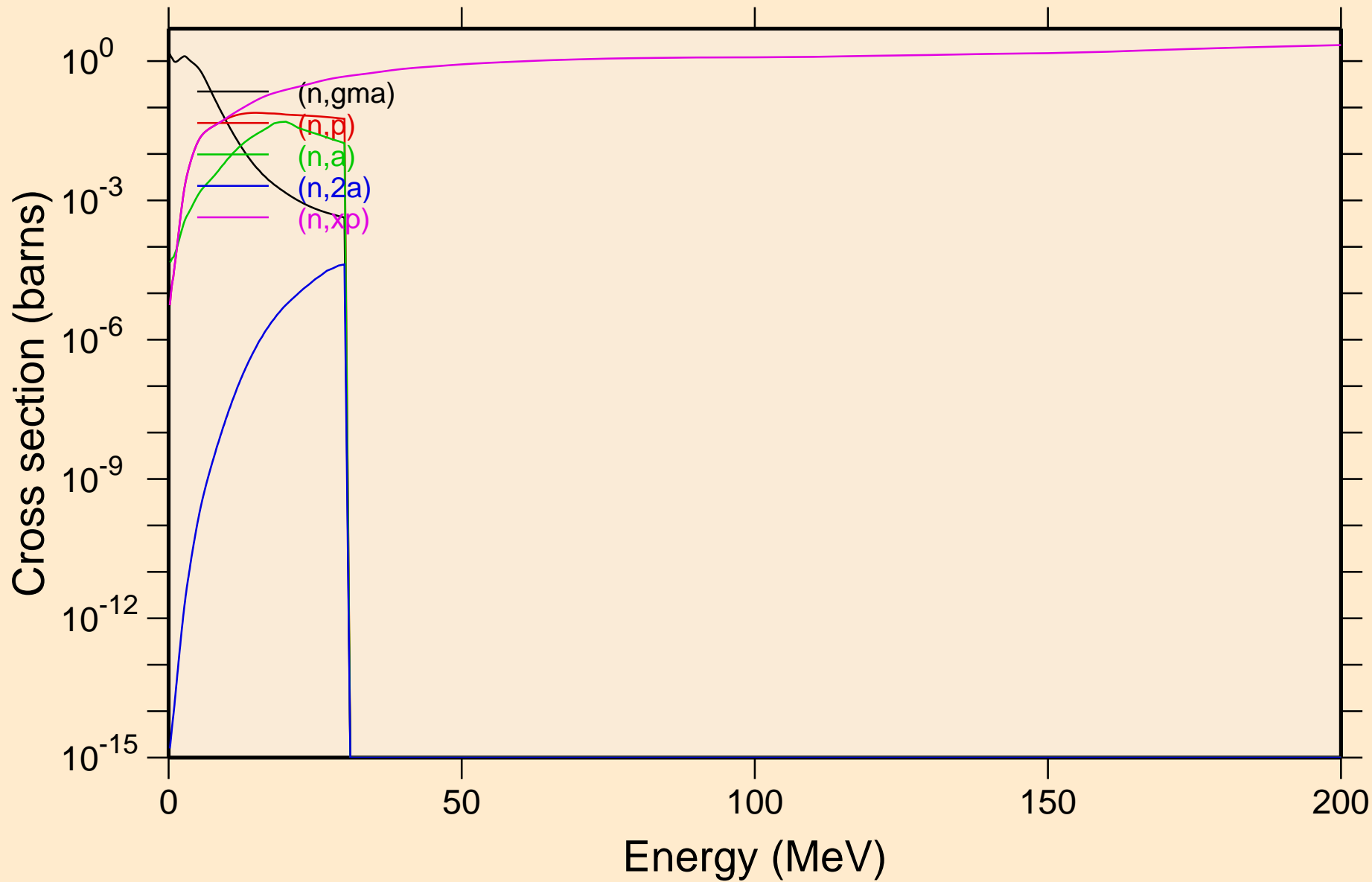


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

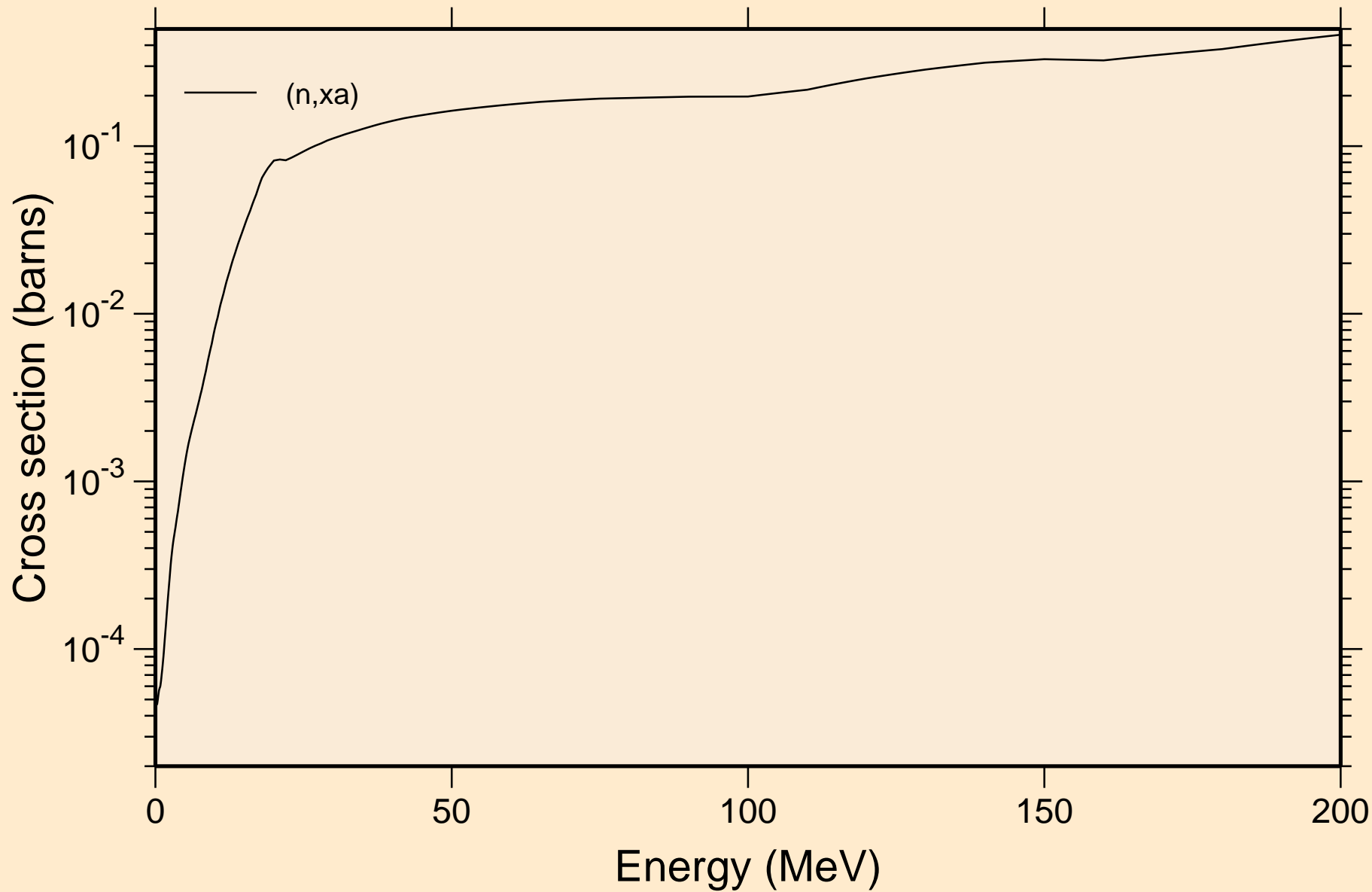




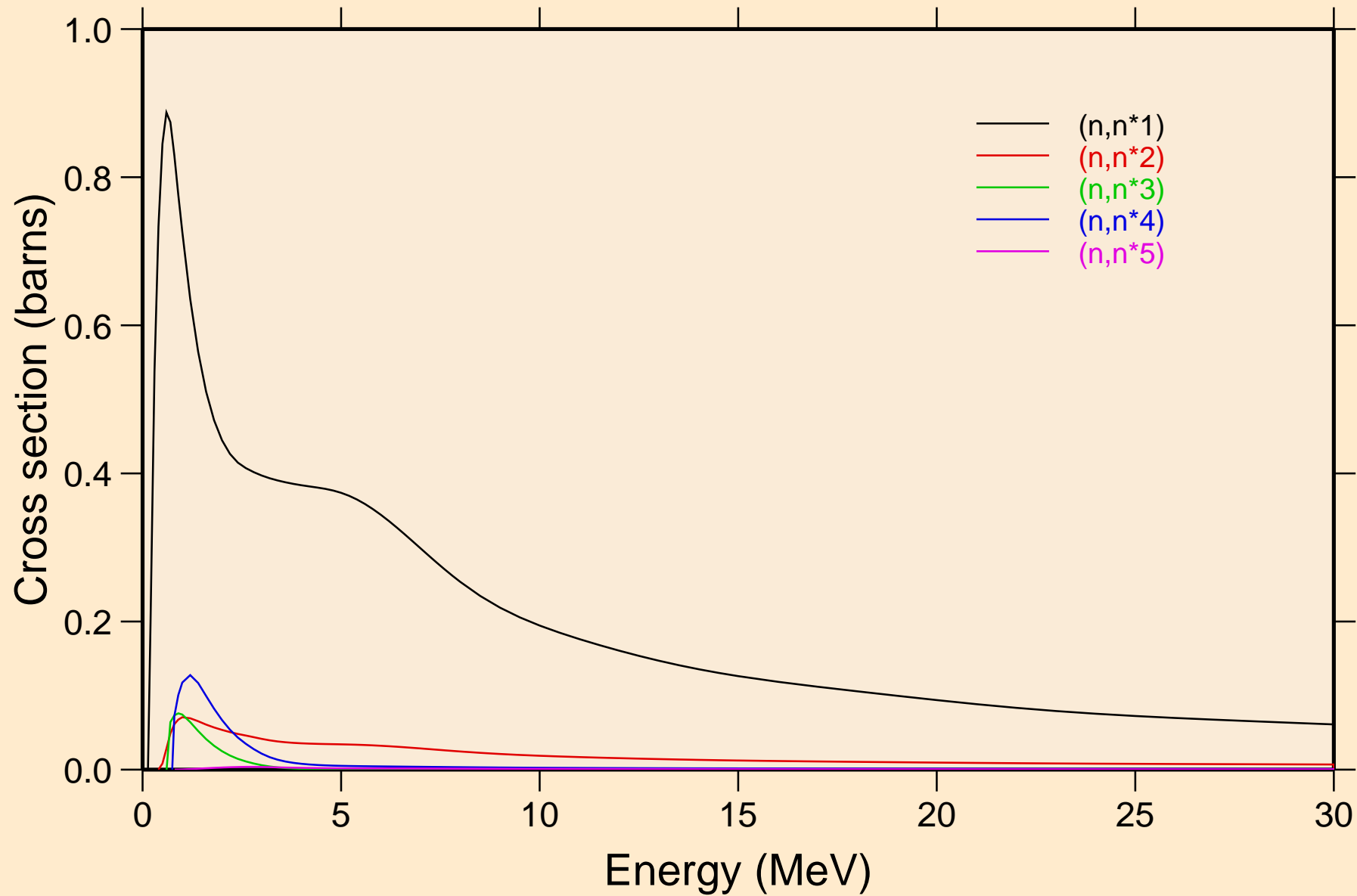
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



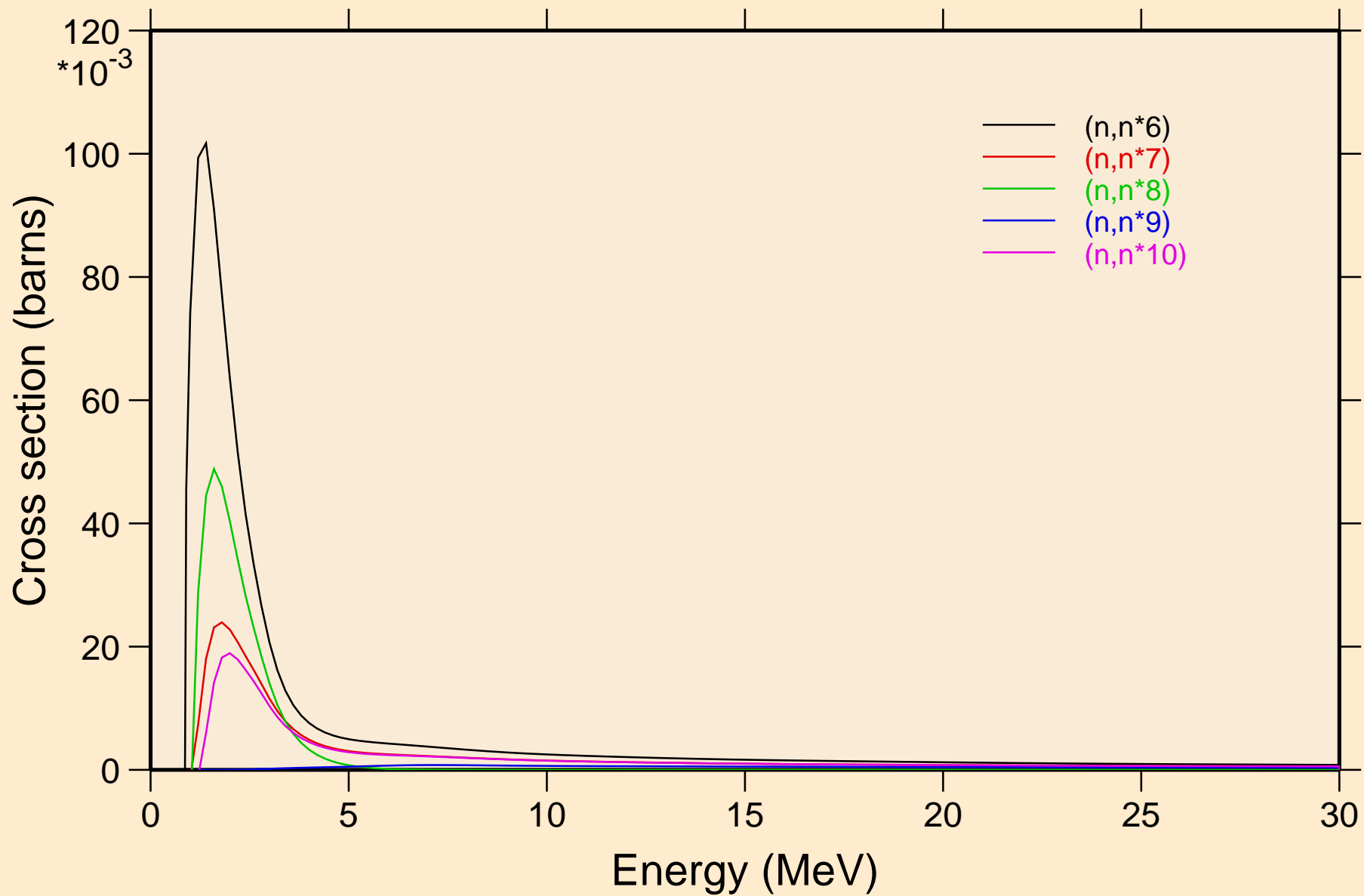
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



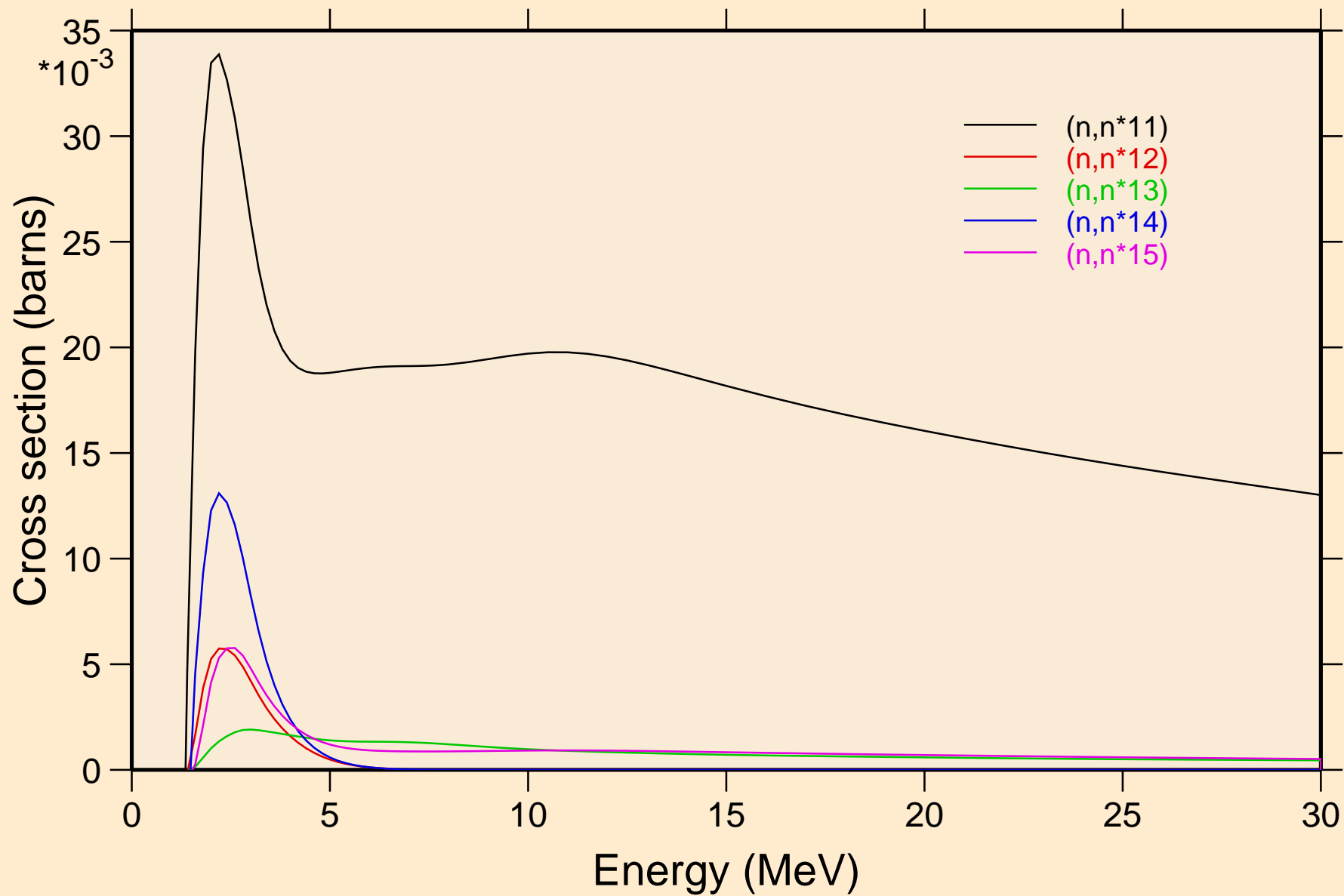
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



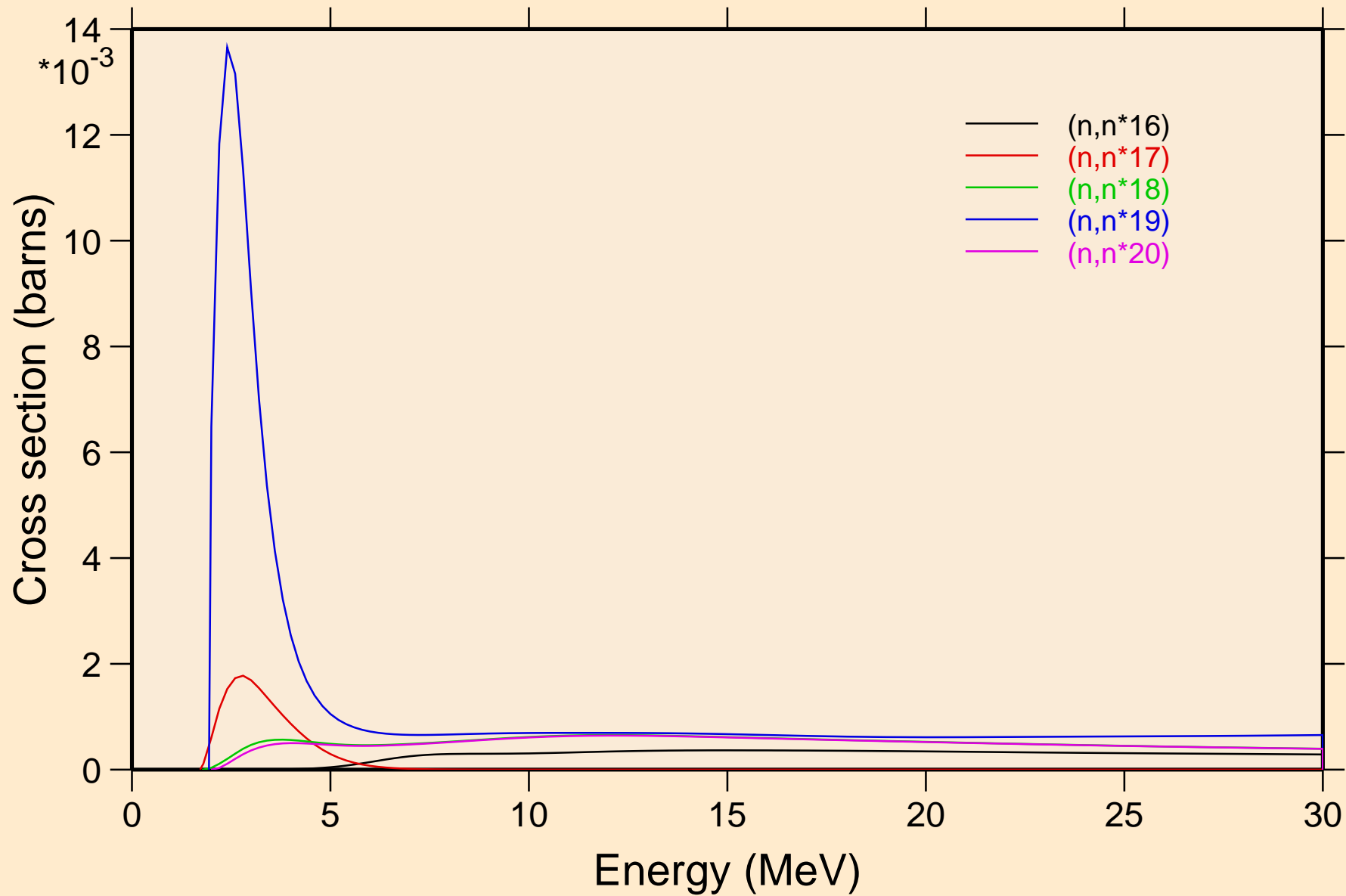
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



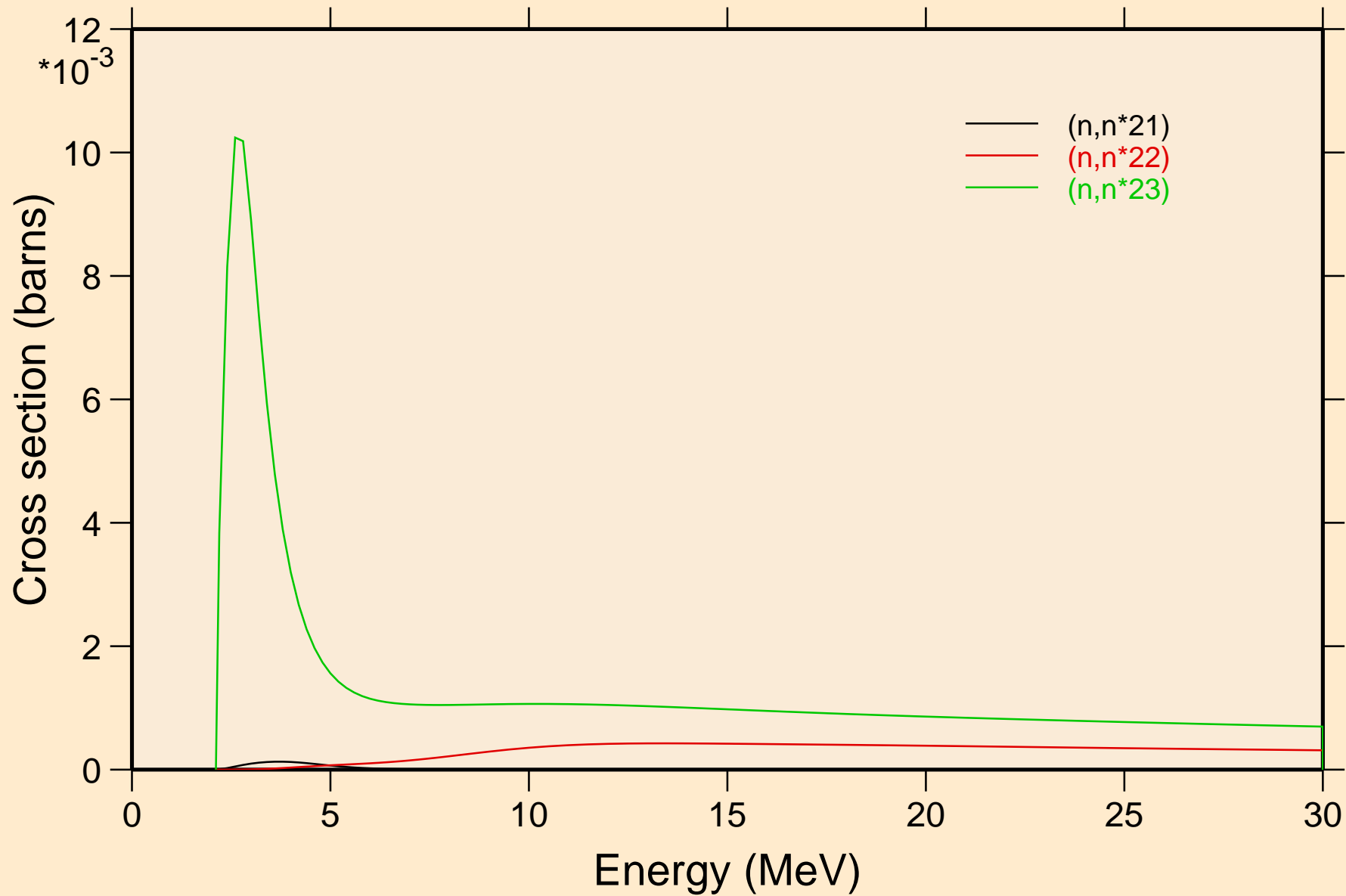
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



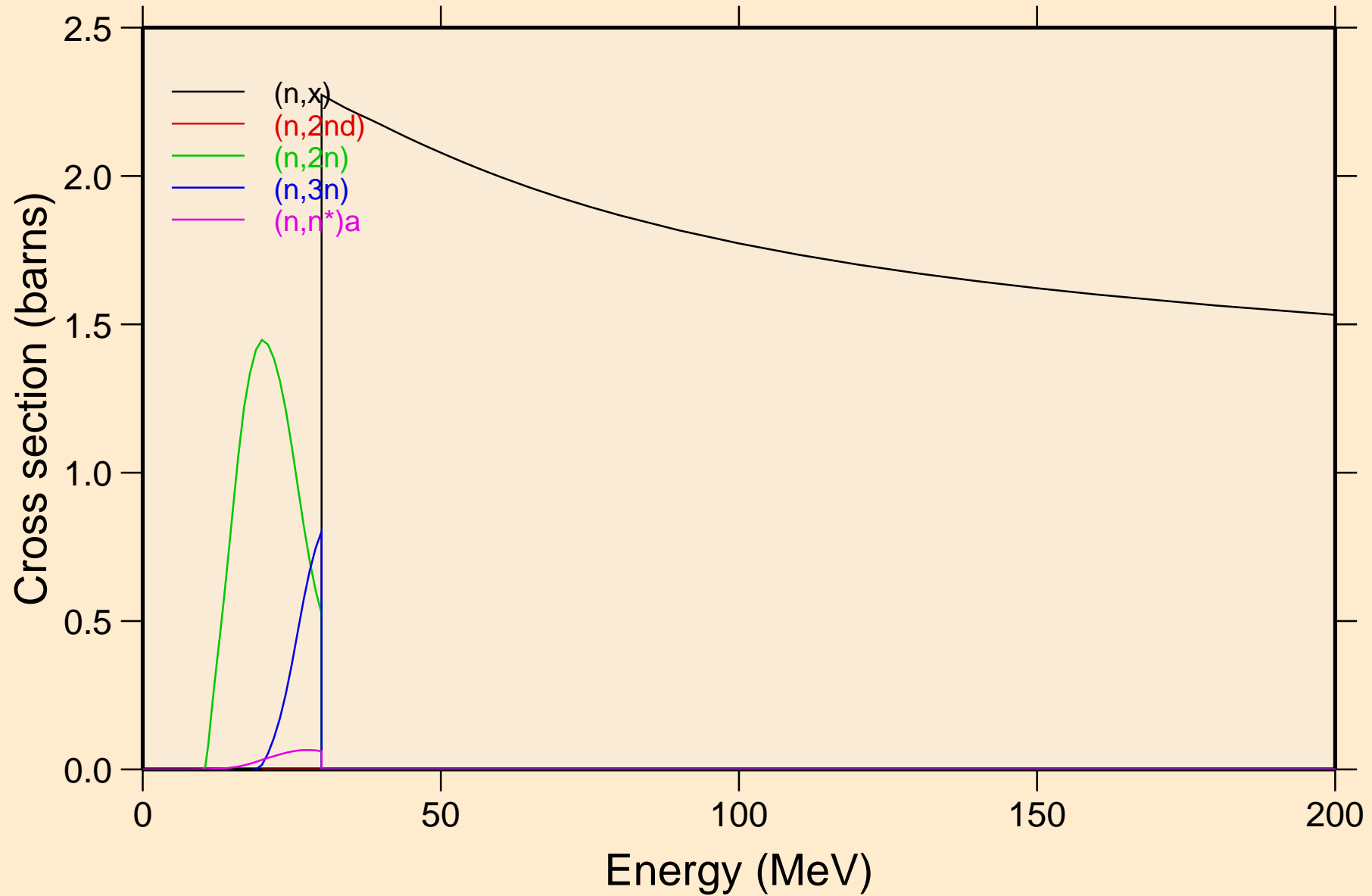
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

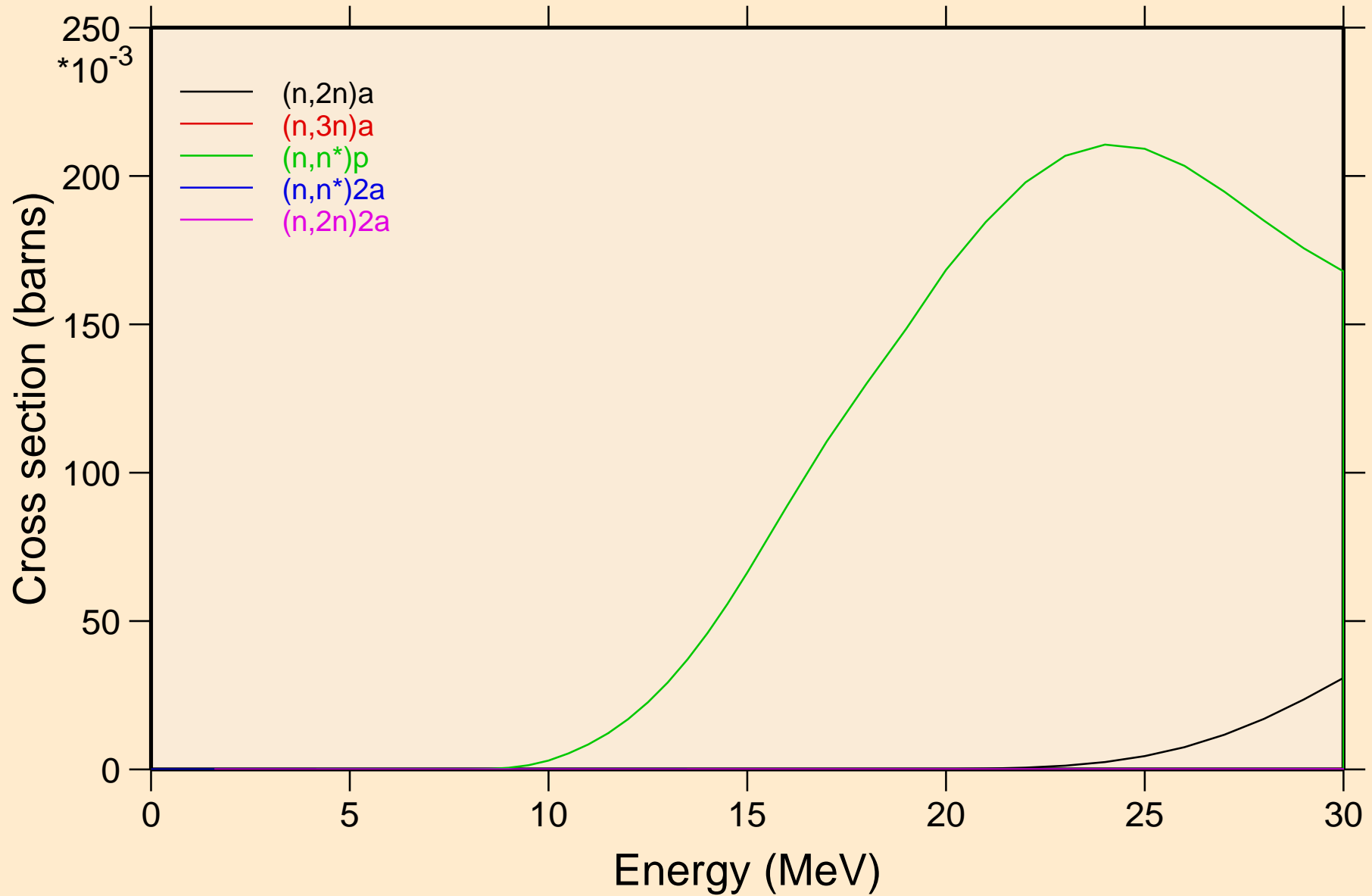


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



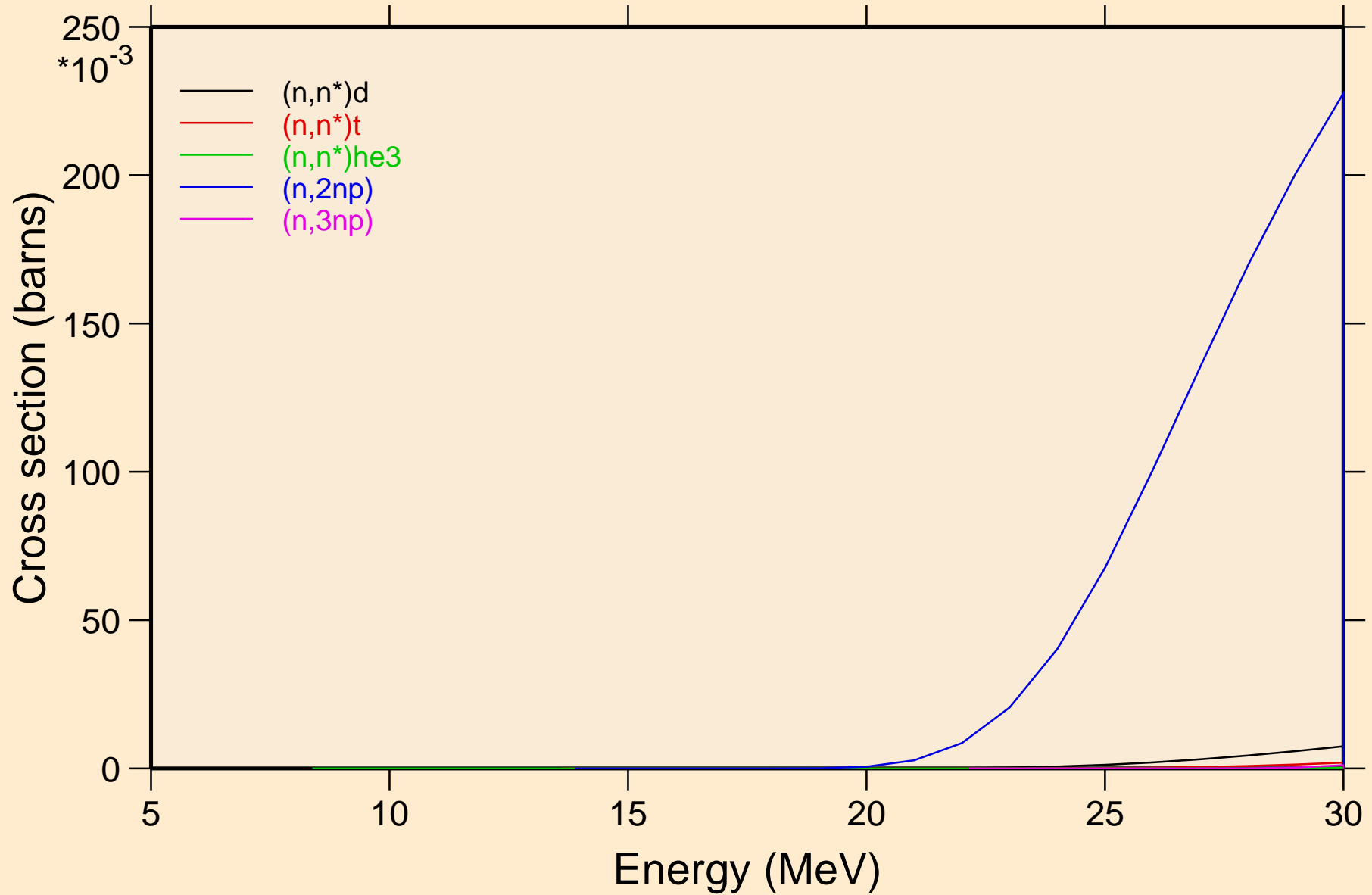


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



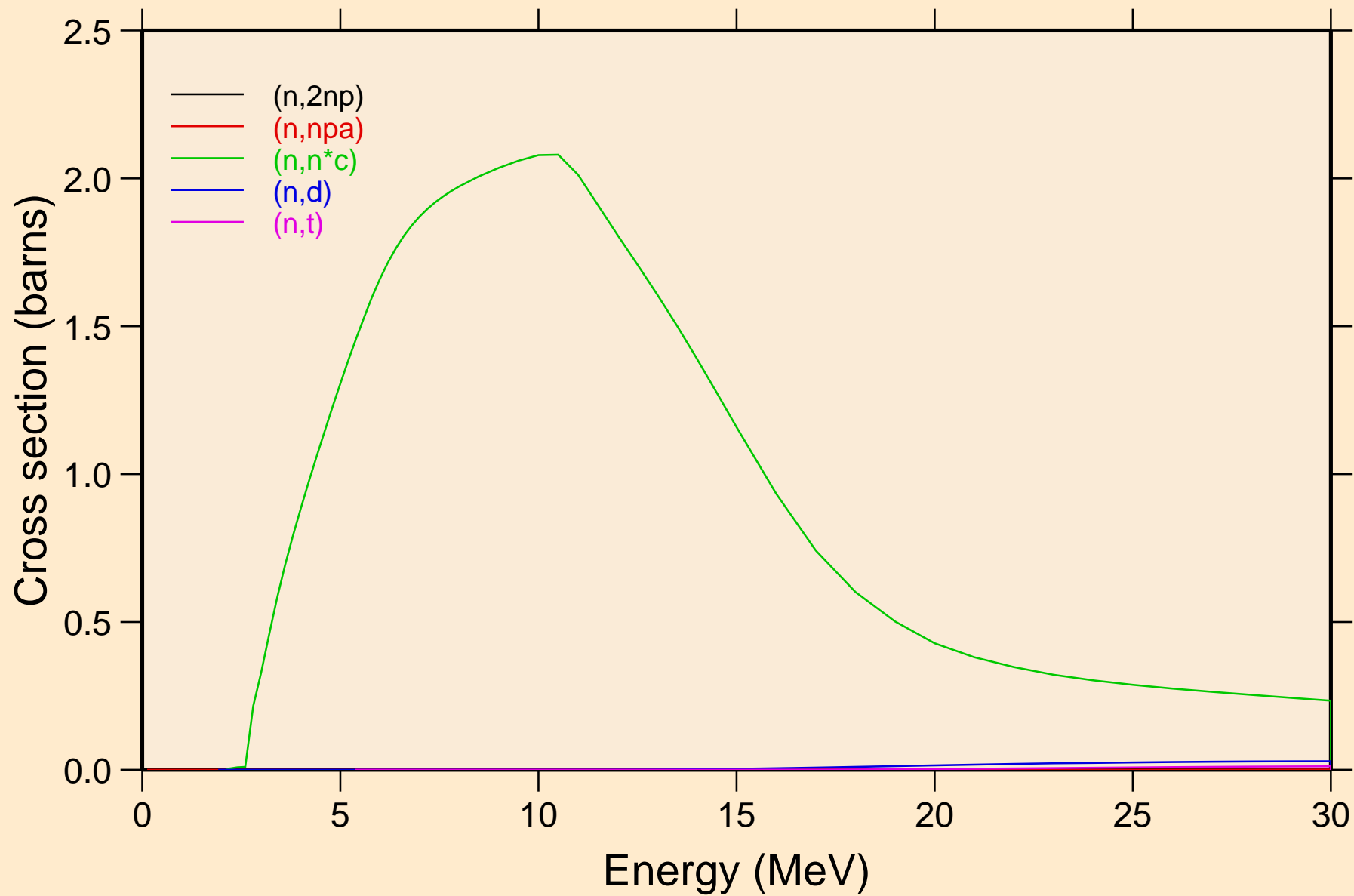
# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



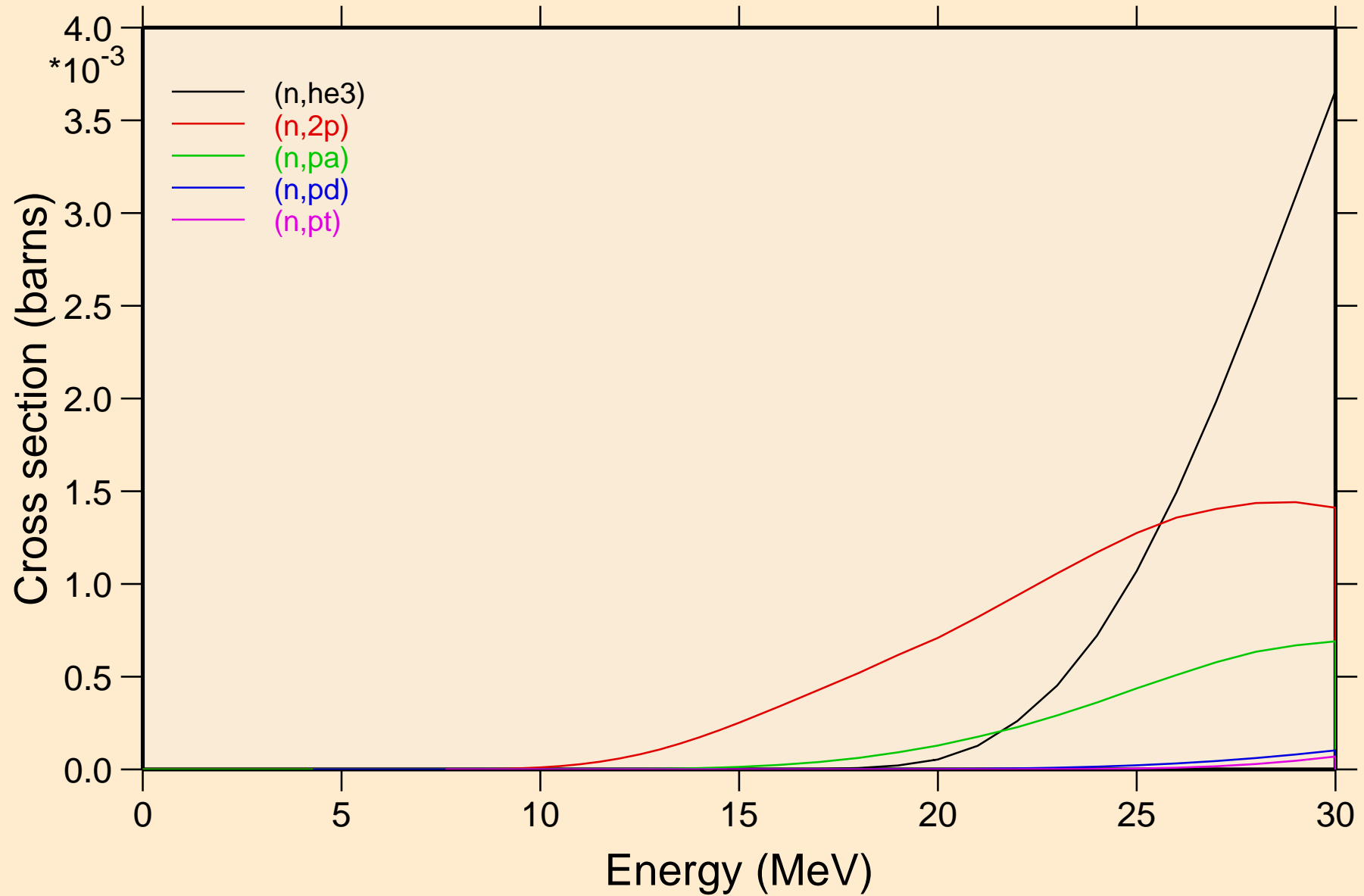
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## Threshold reactions

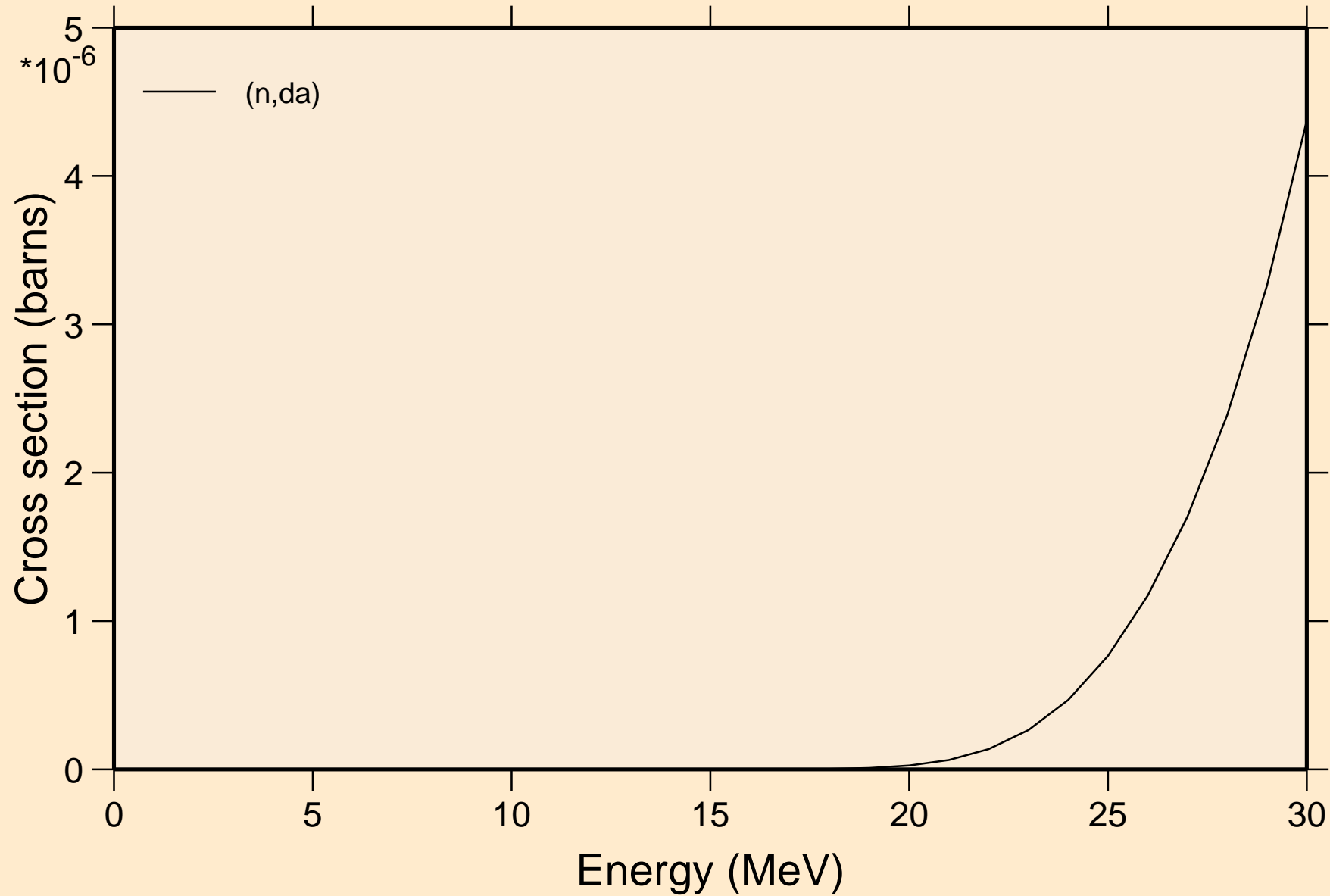


# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

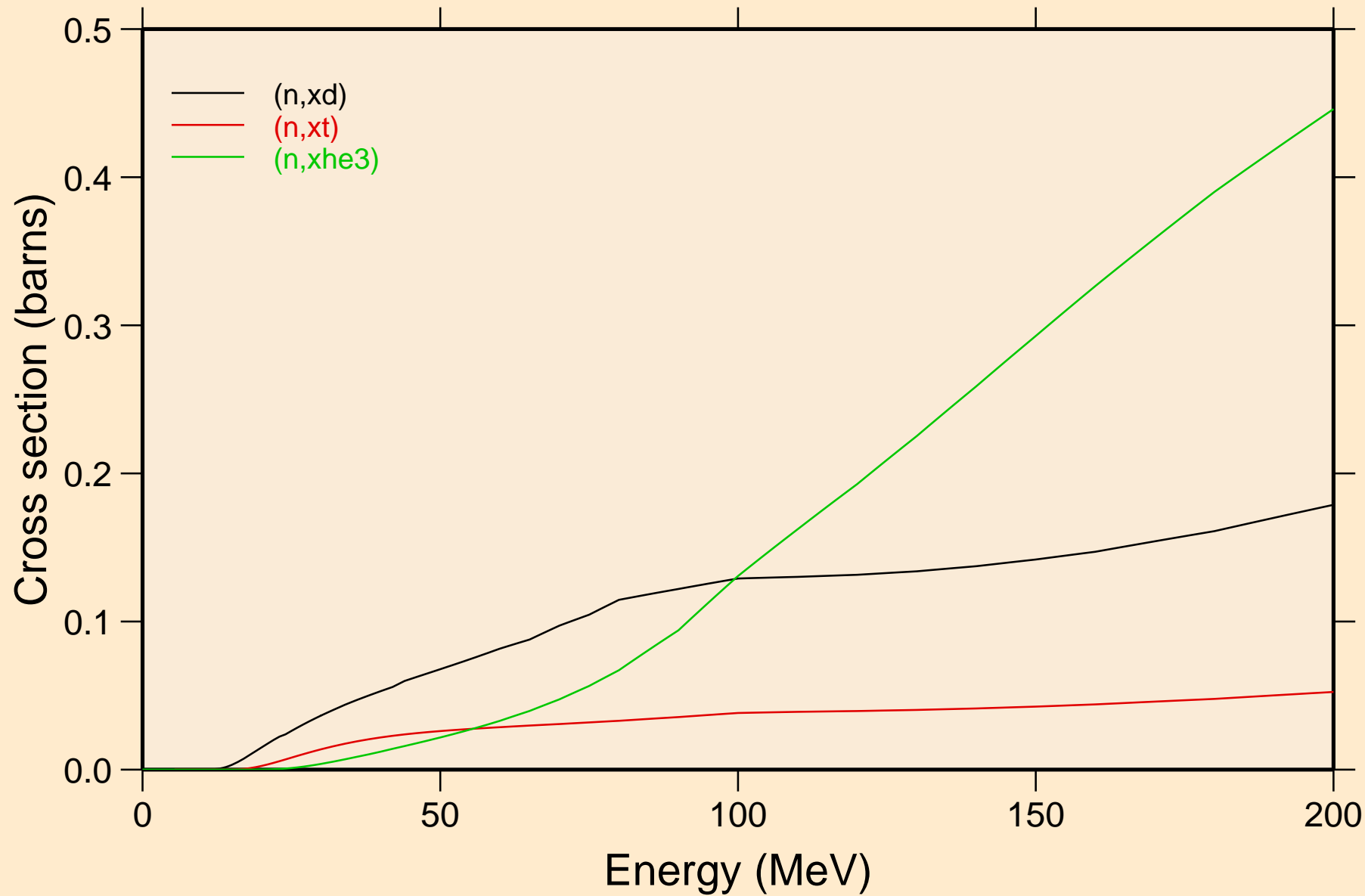
## Threshold reactions



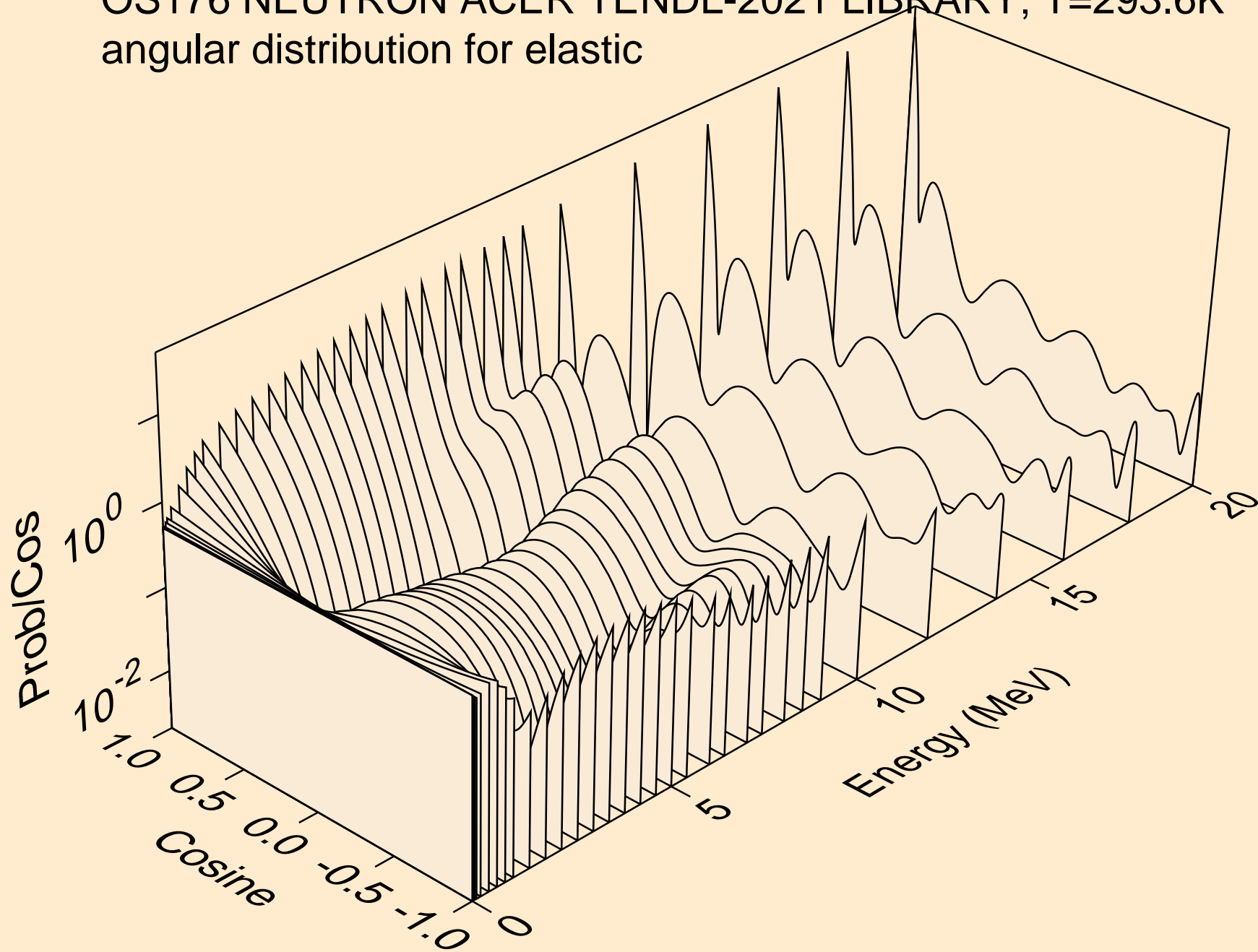
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



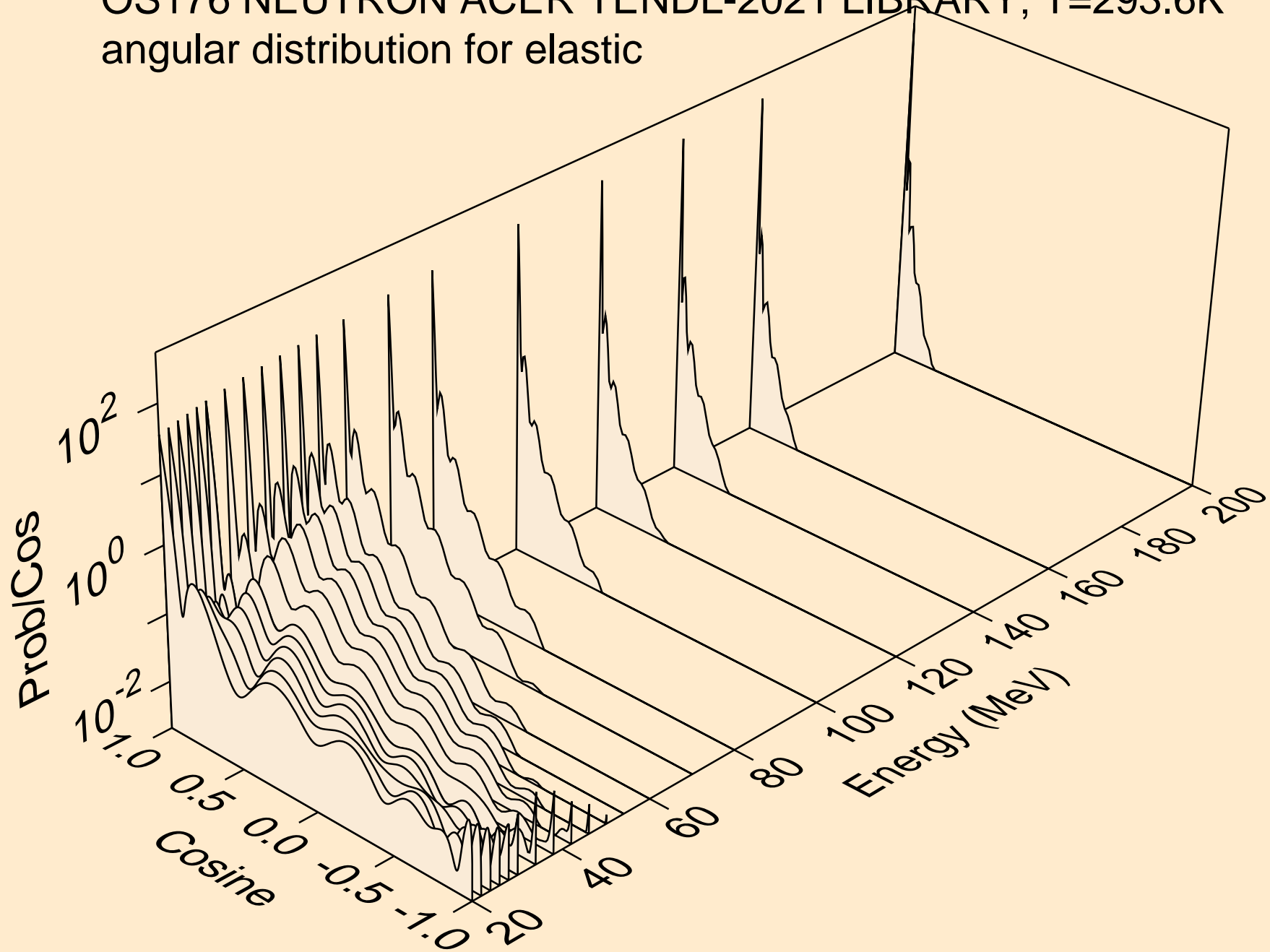
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

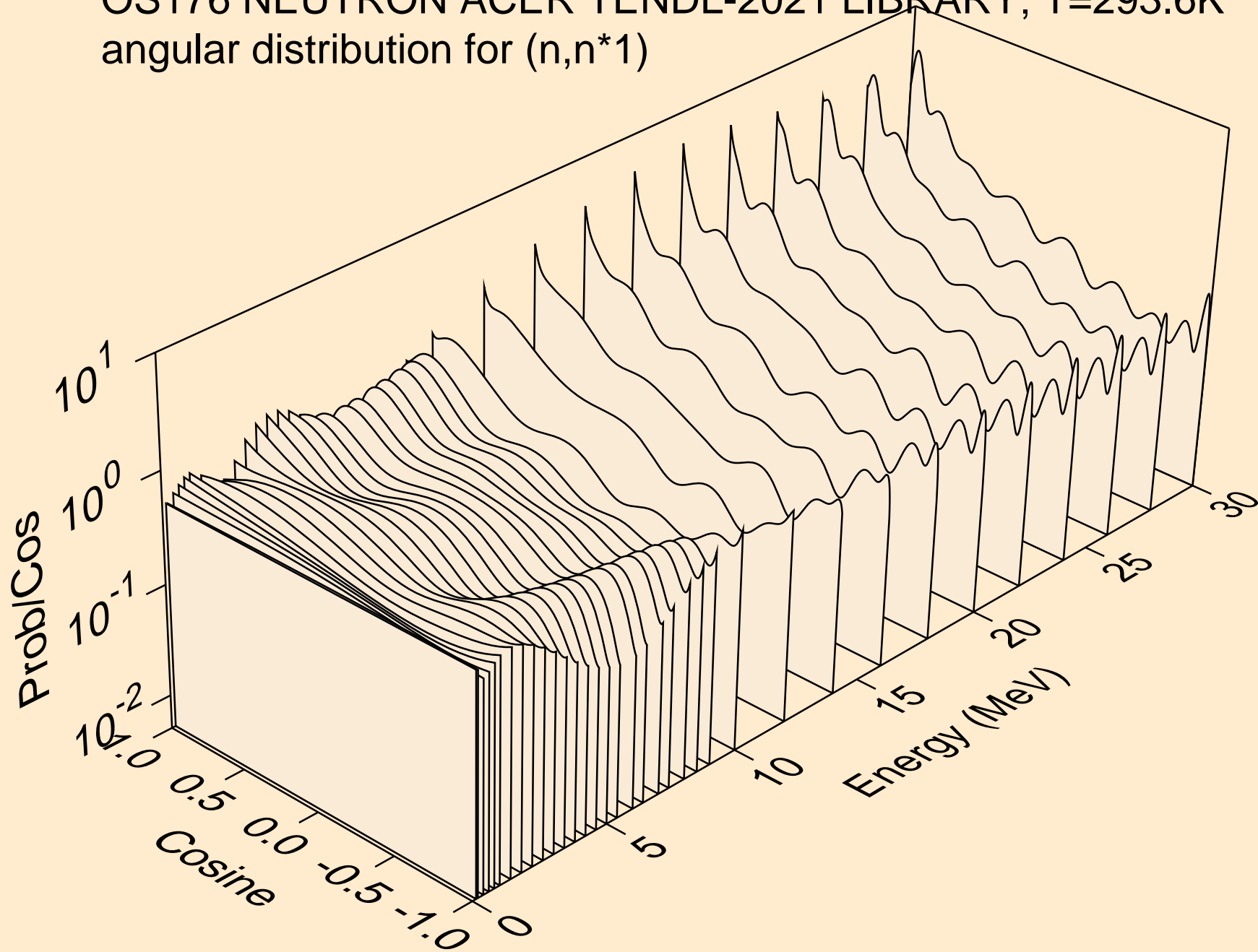


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

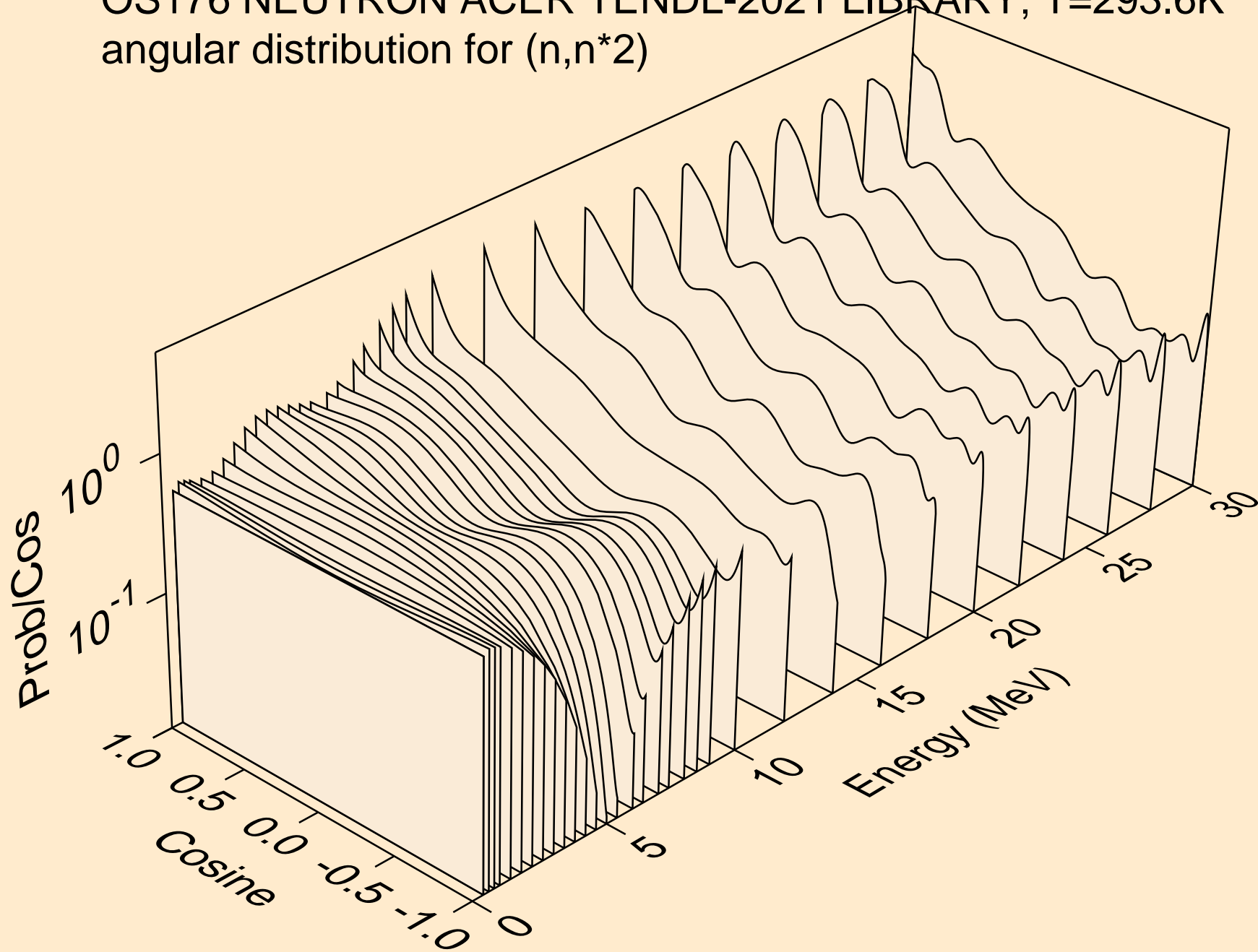




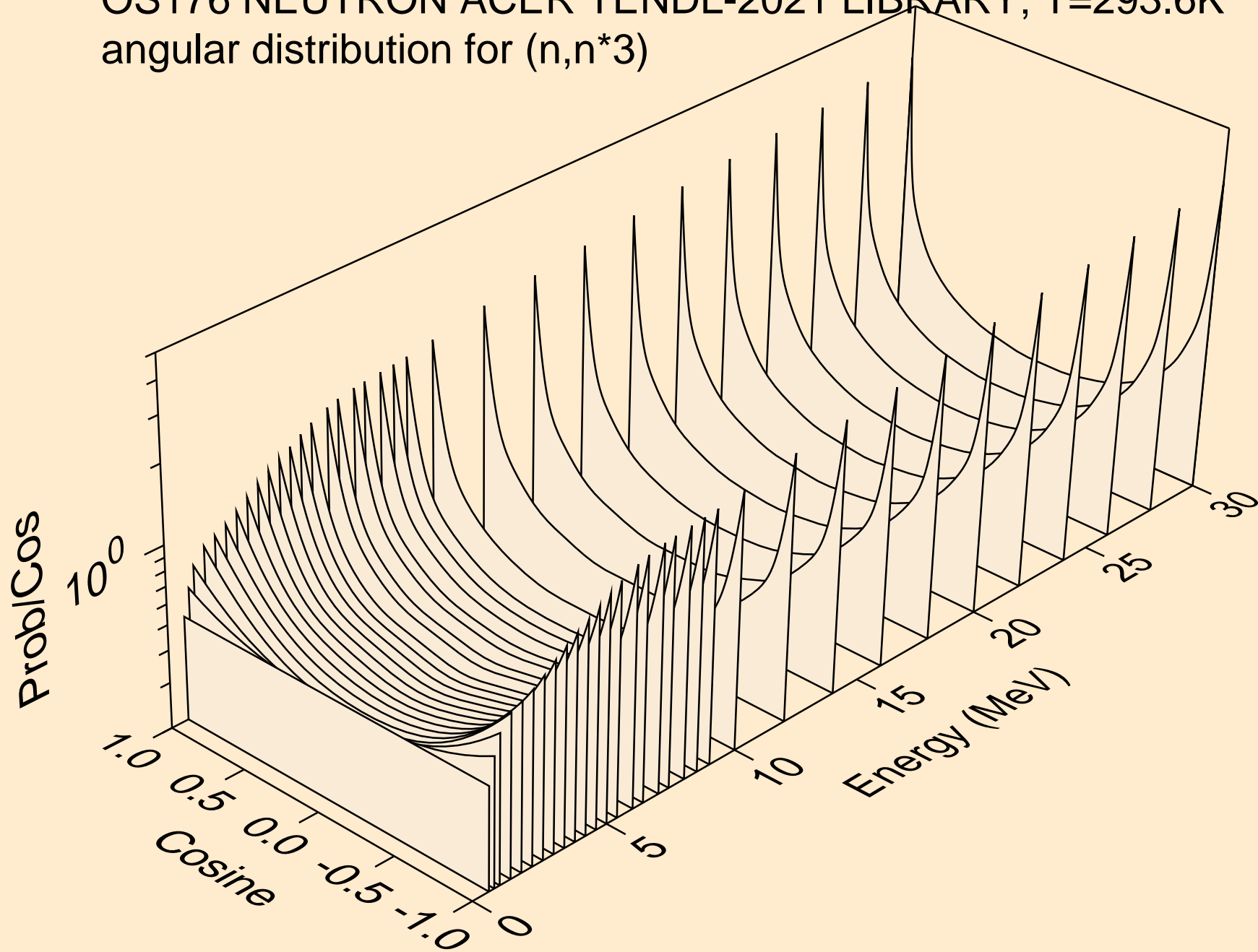
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angular distribution for (n,n\*1)



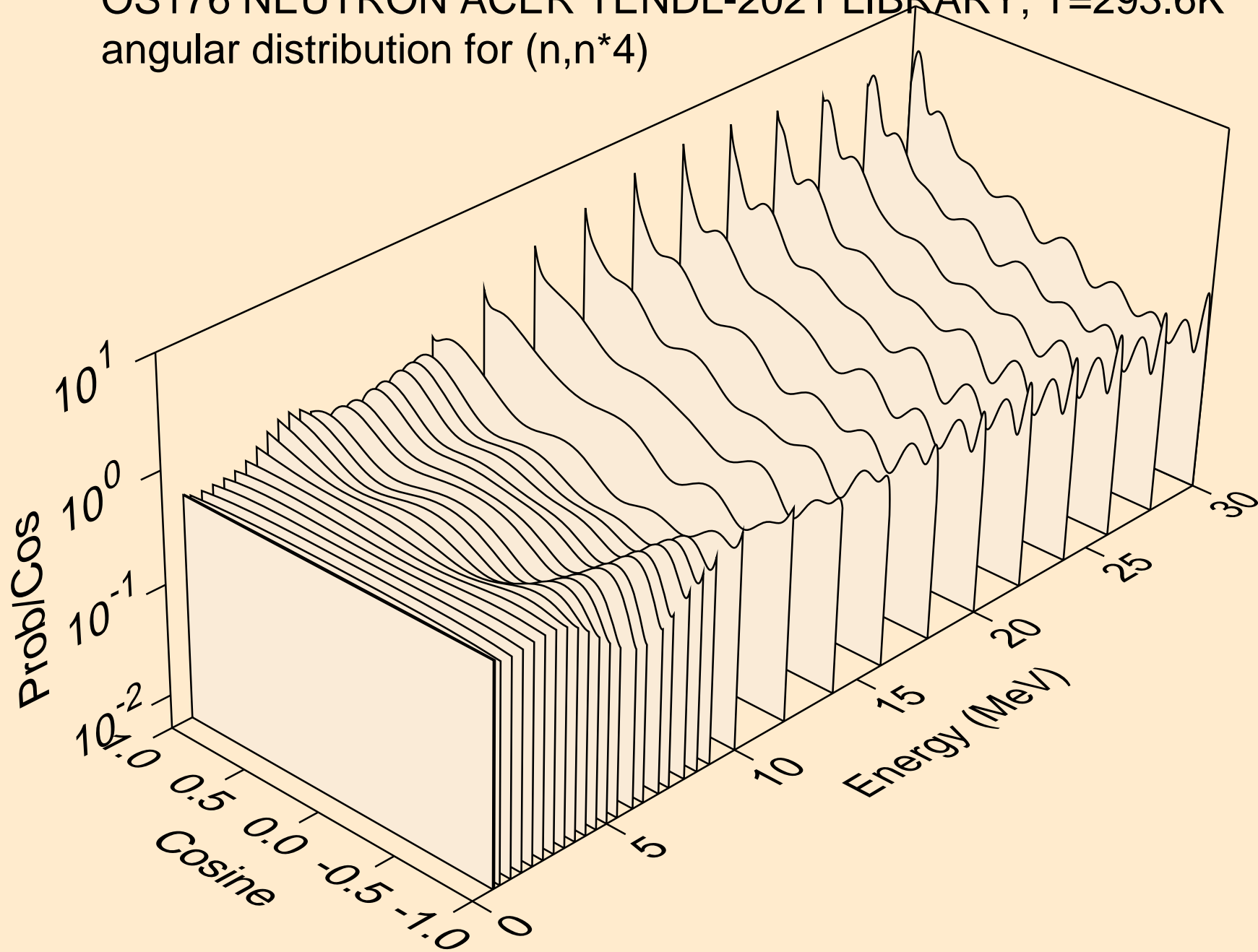
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angular distribution for (n,n\*2)



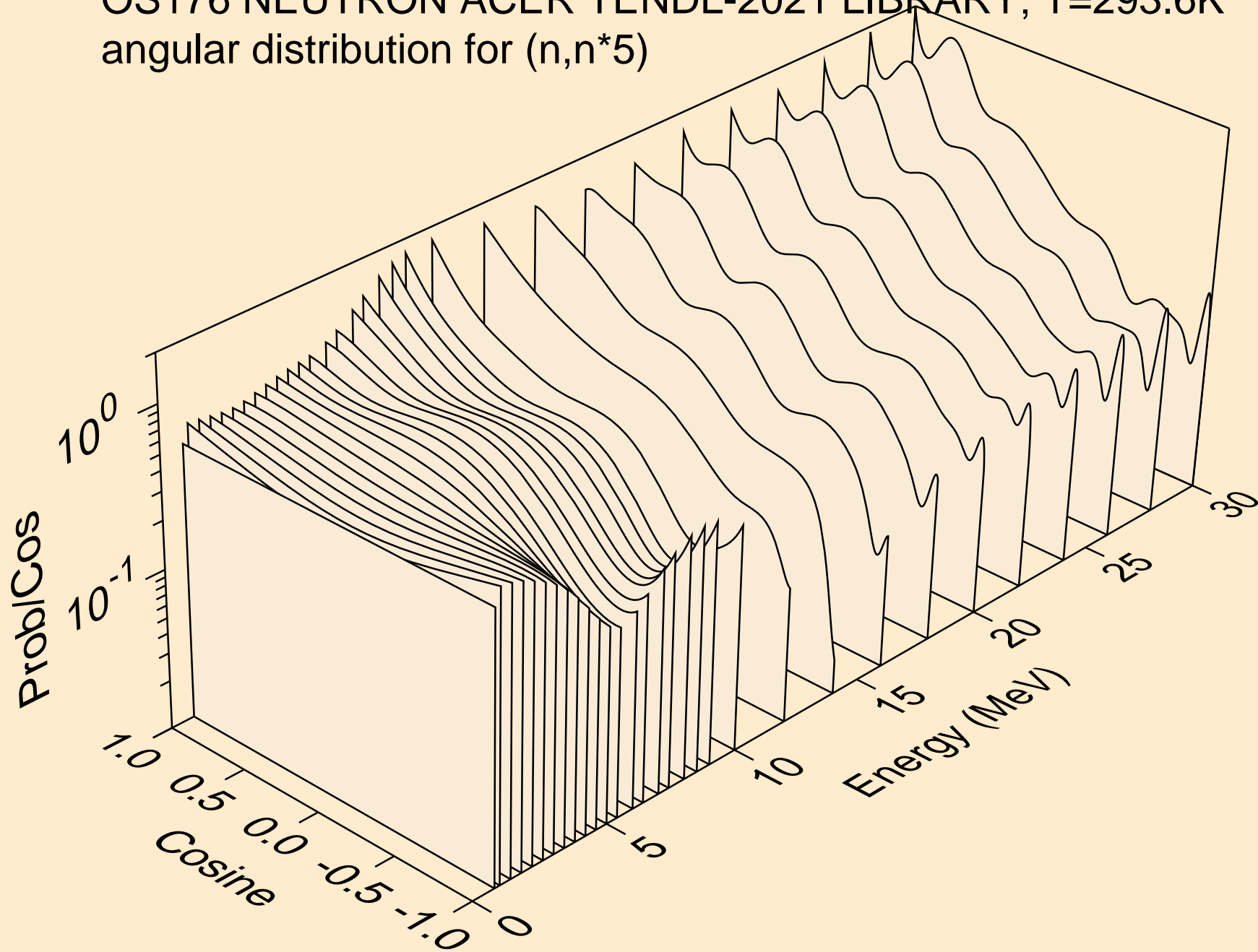
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angular distribution for (n,n\*3)



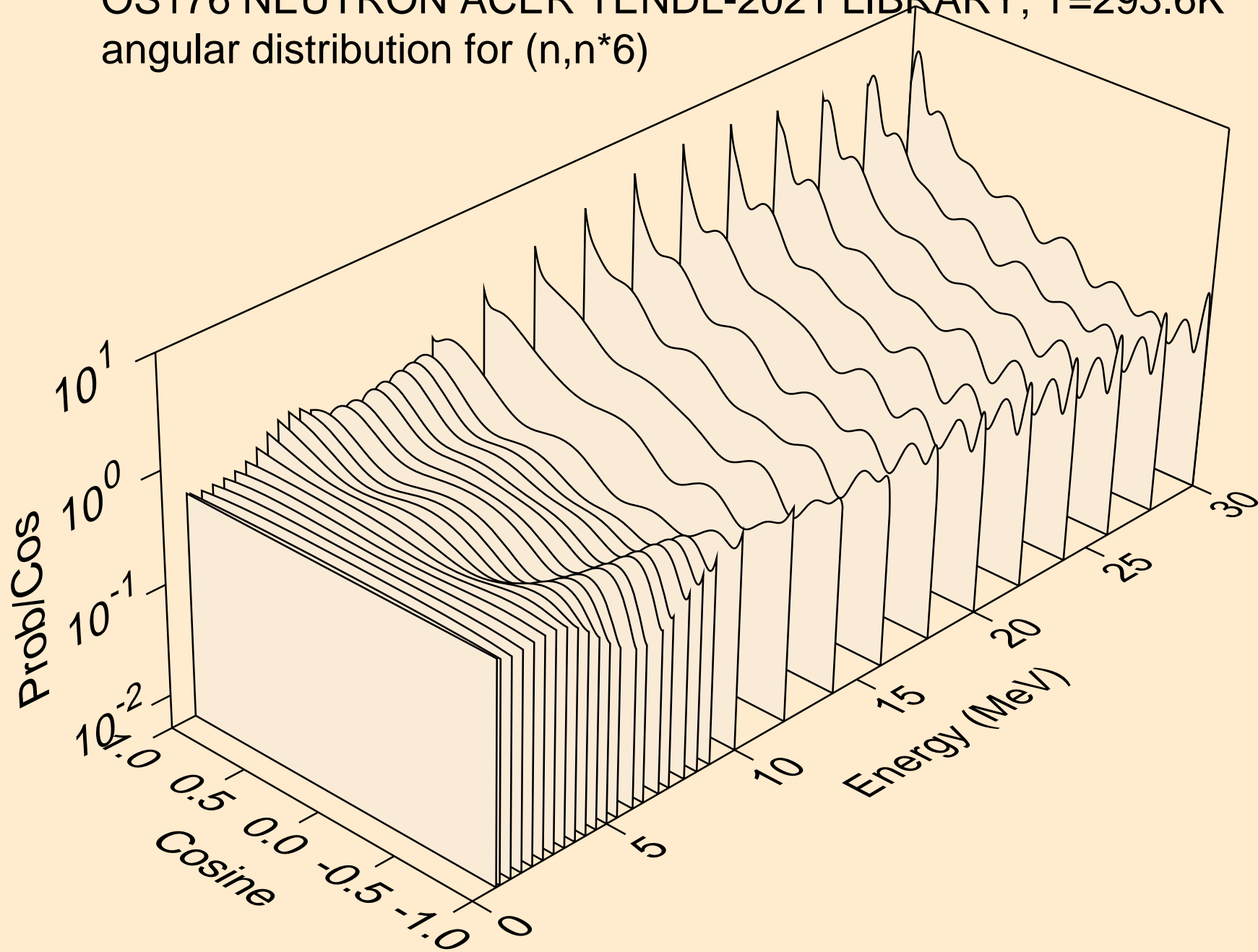
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angular distribution for (n,n\*4)



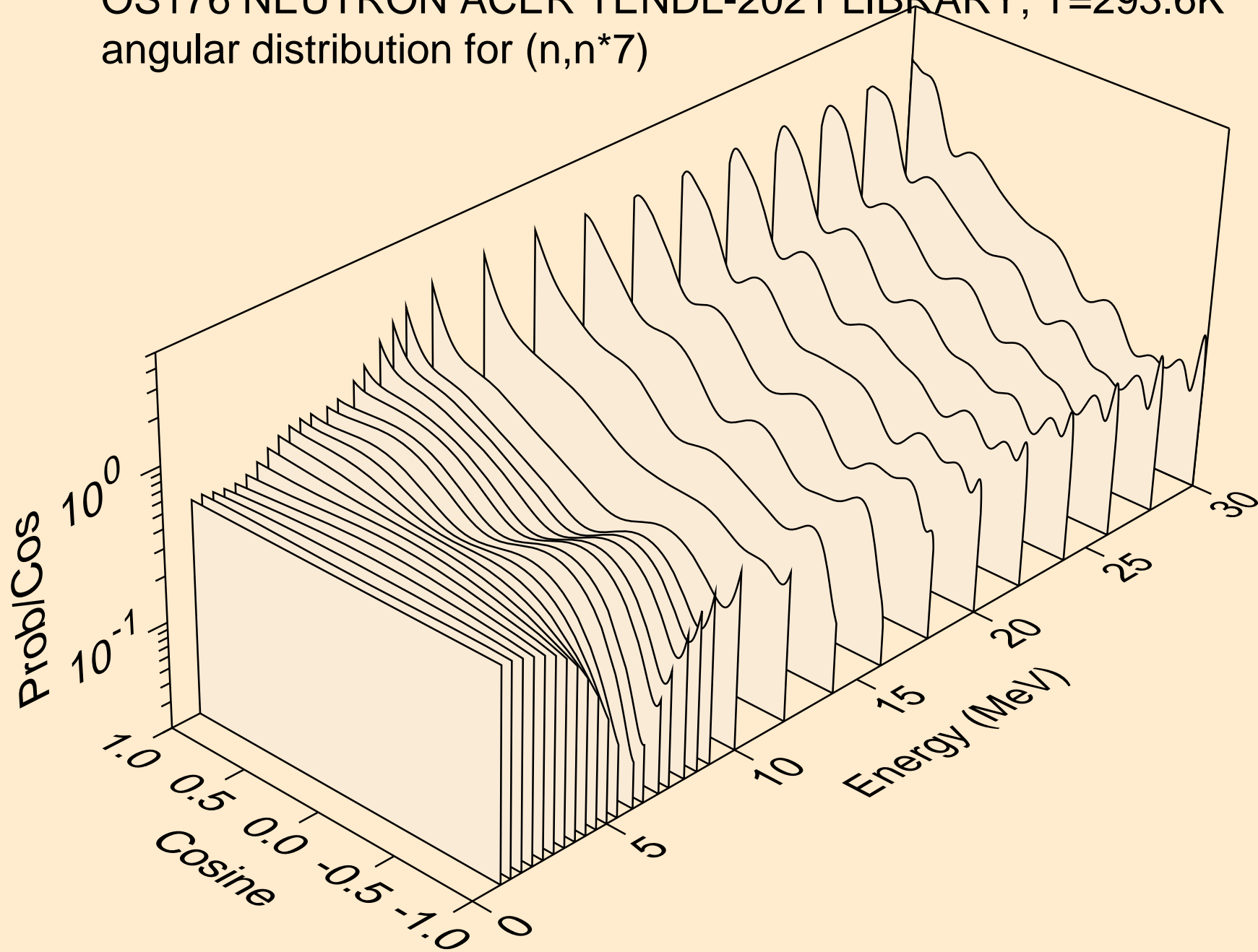
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angular distribution for (n,n\*5)



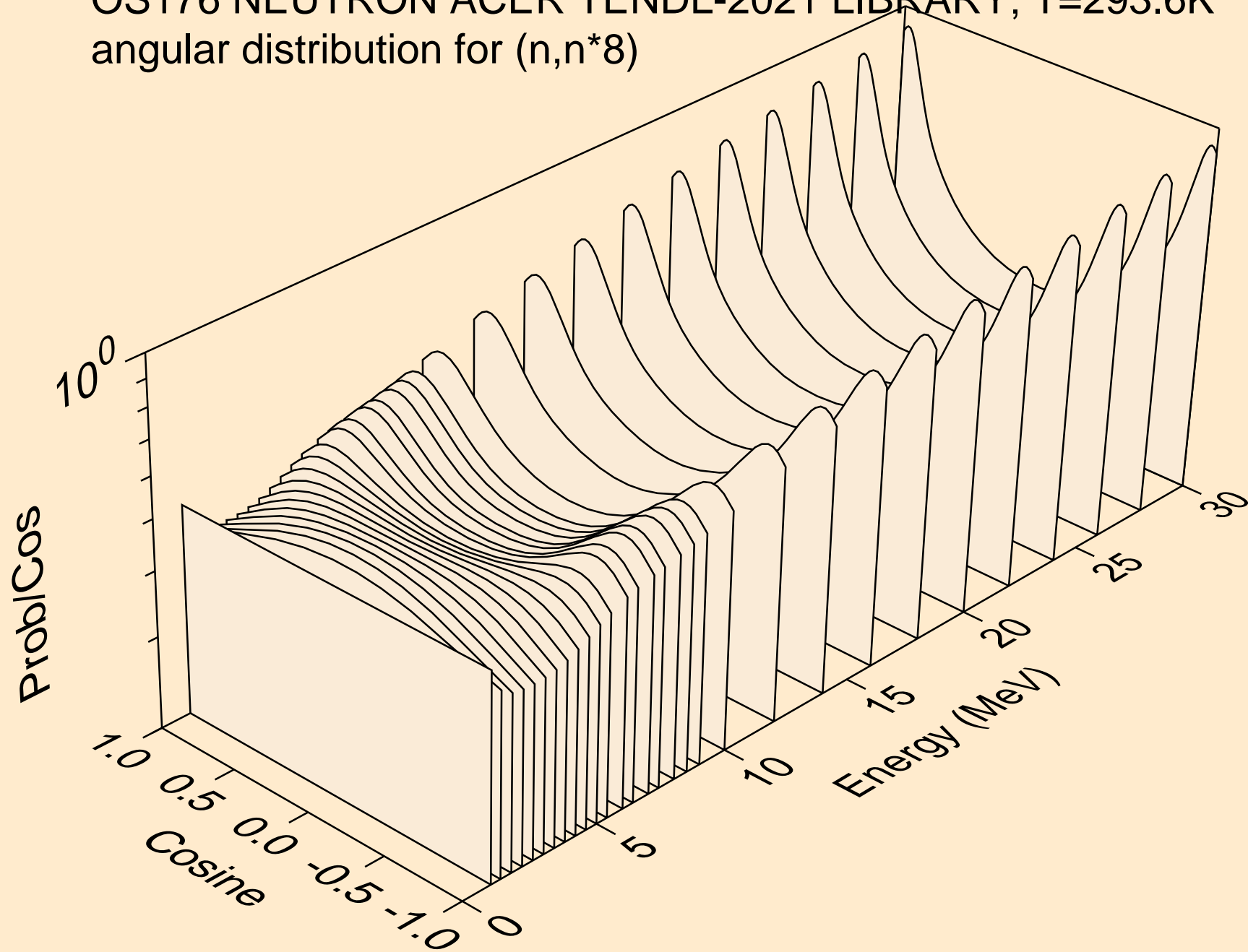
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

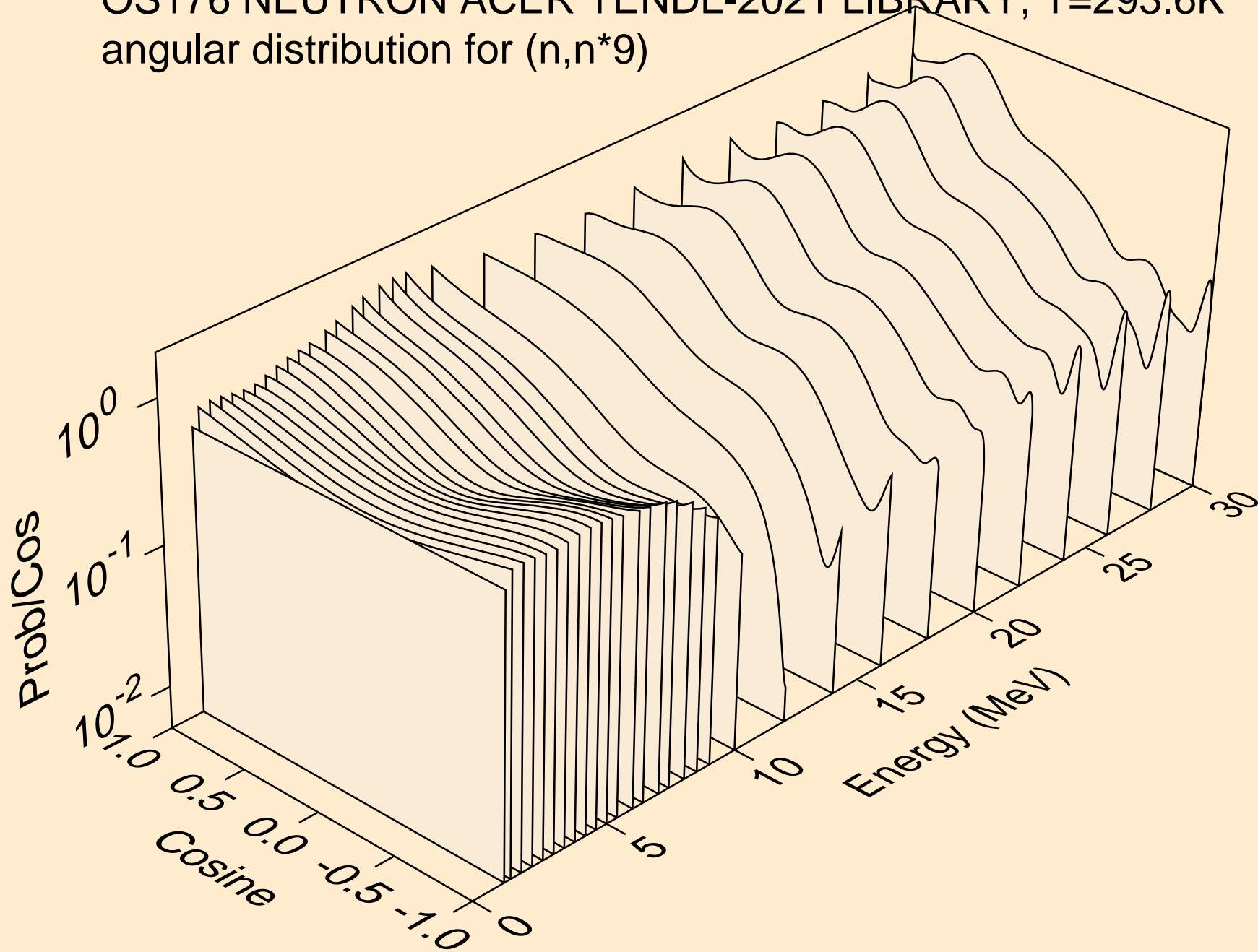


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

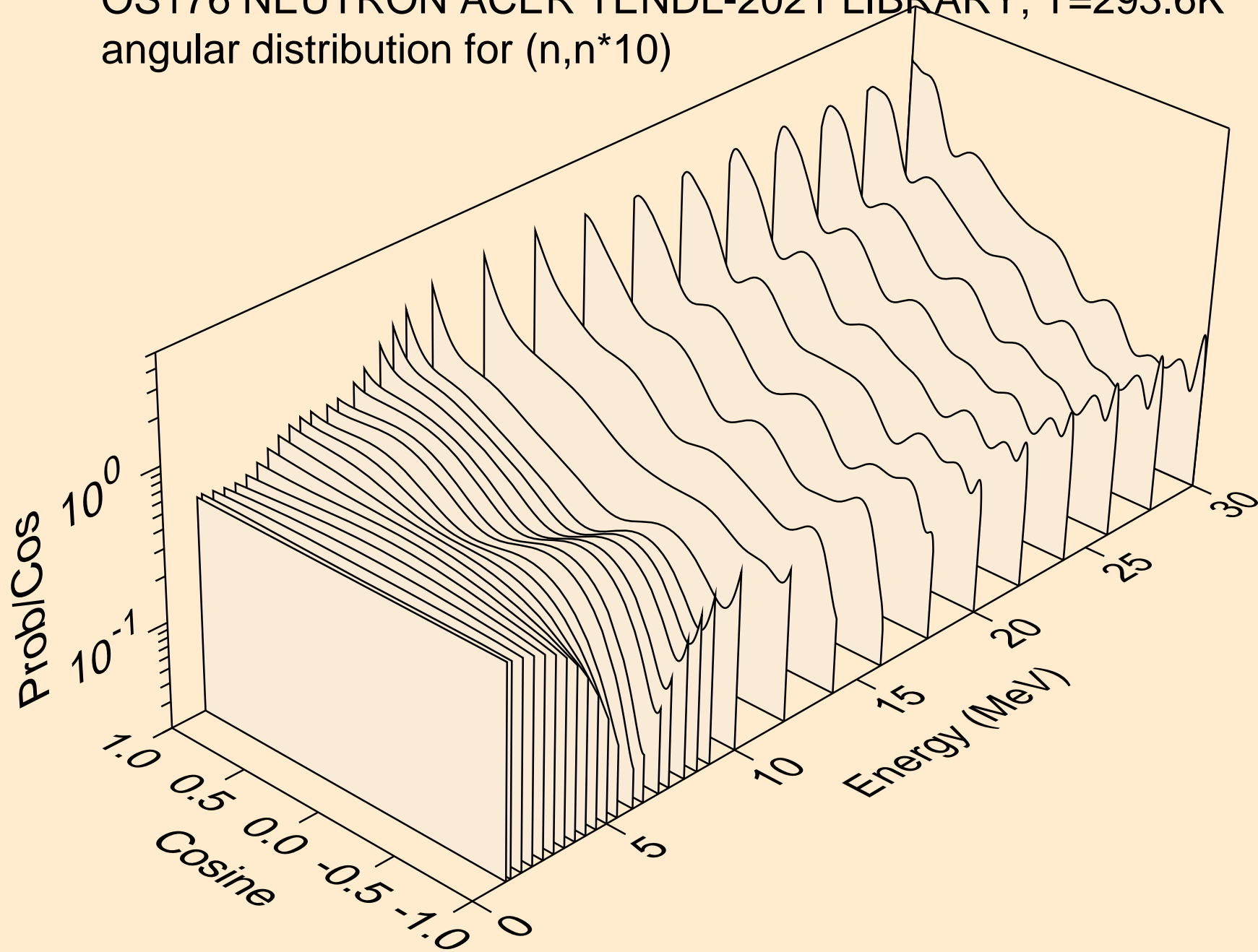




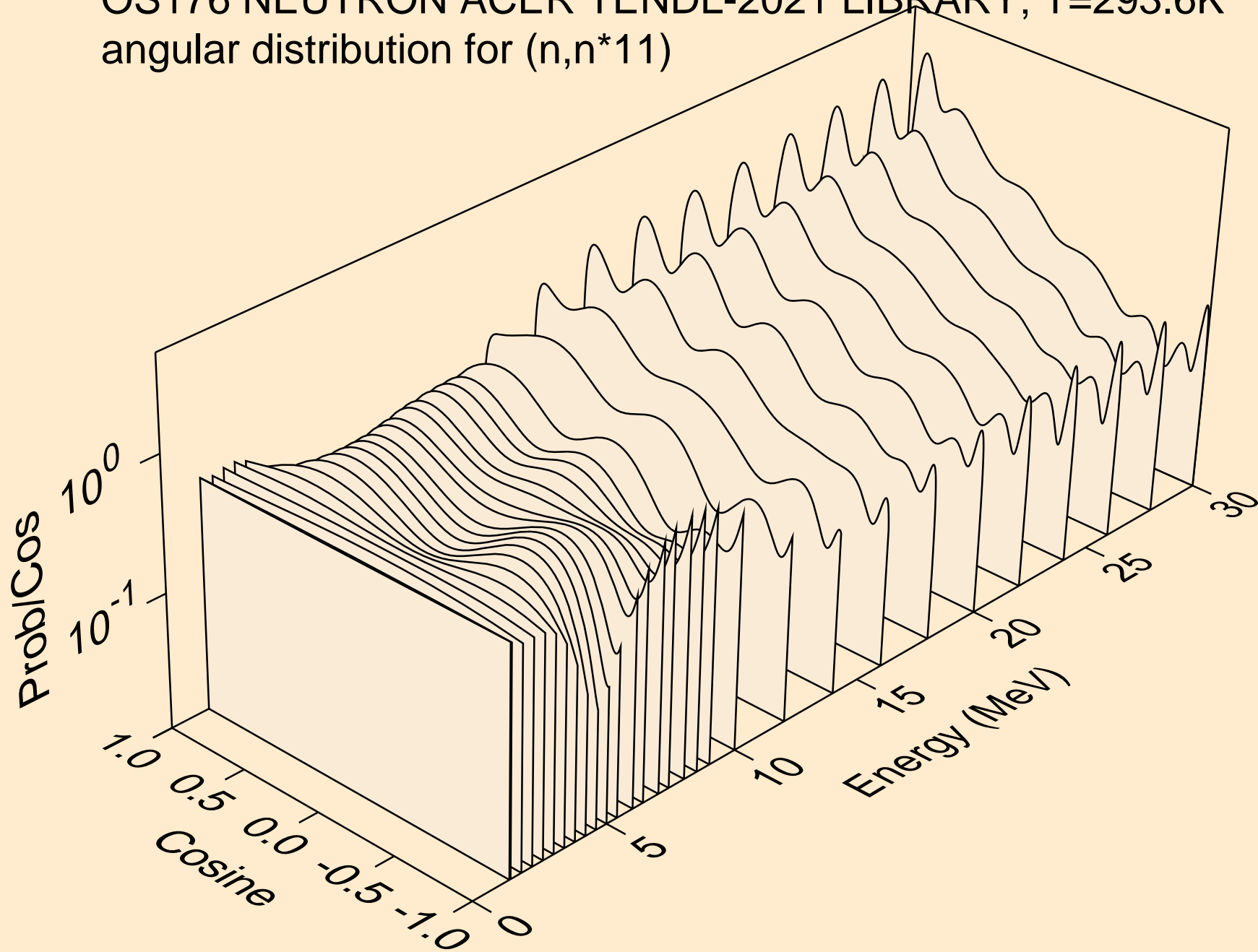
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angular distribution for (n,n\*9)



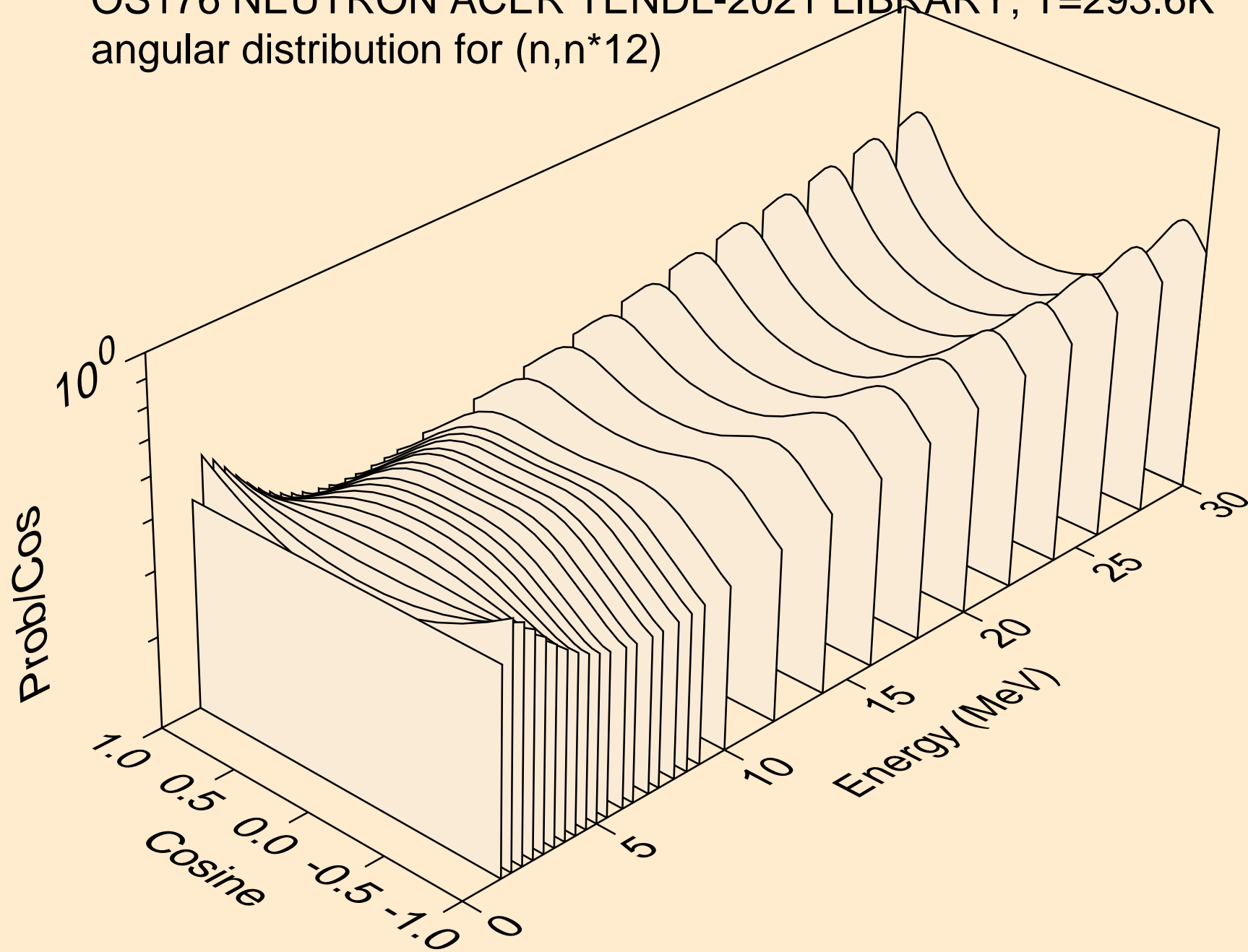
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angular distribution for (n,n\*10)



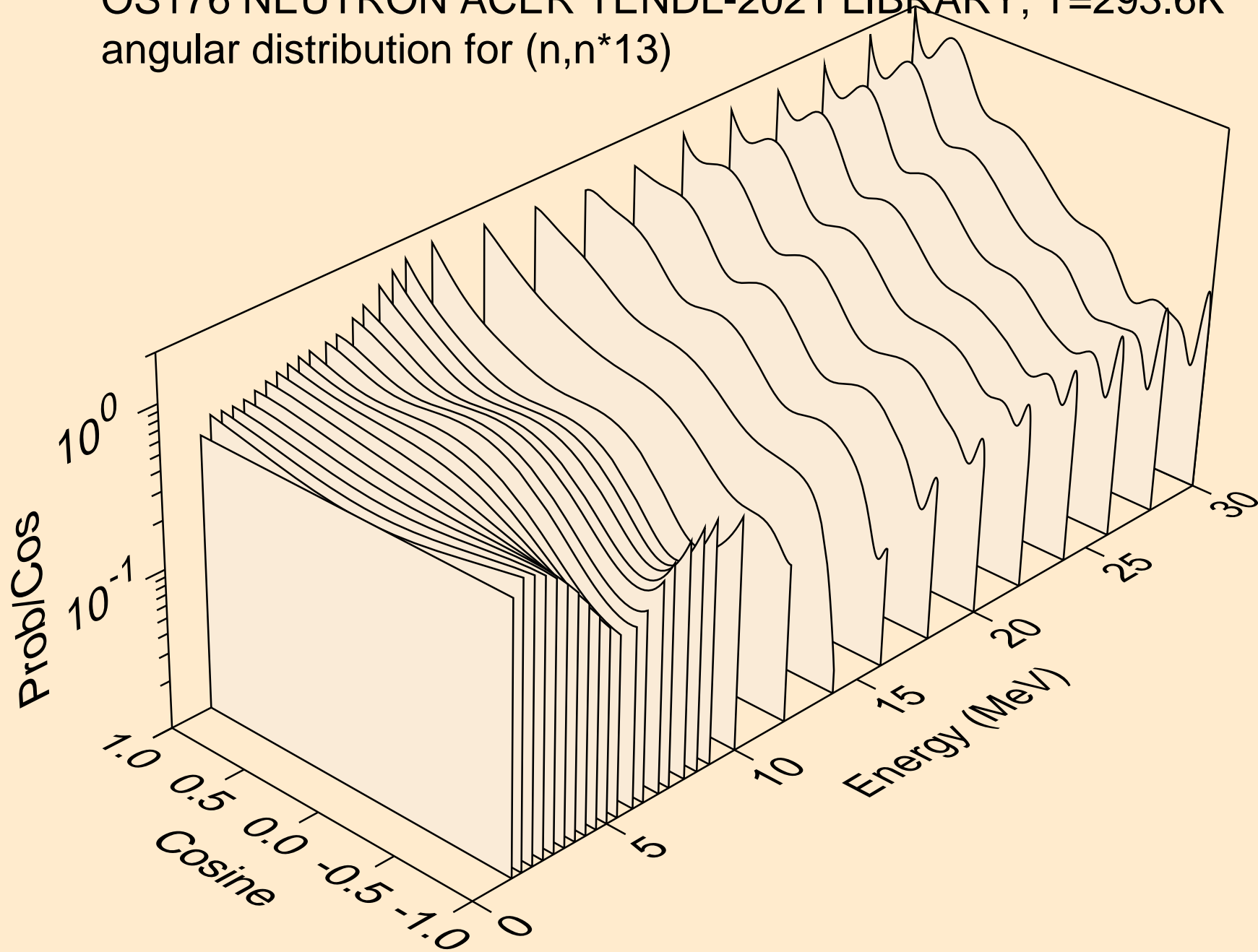
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angular distribution for (n,n\*11)



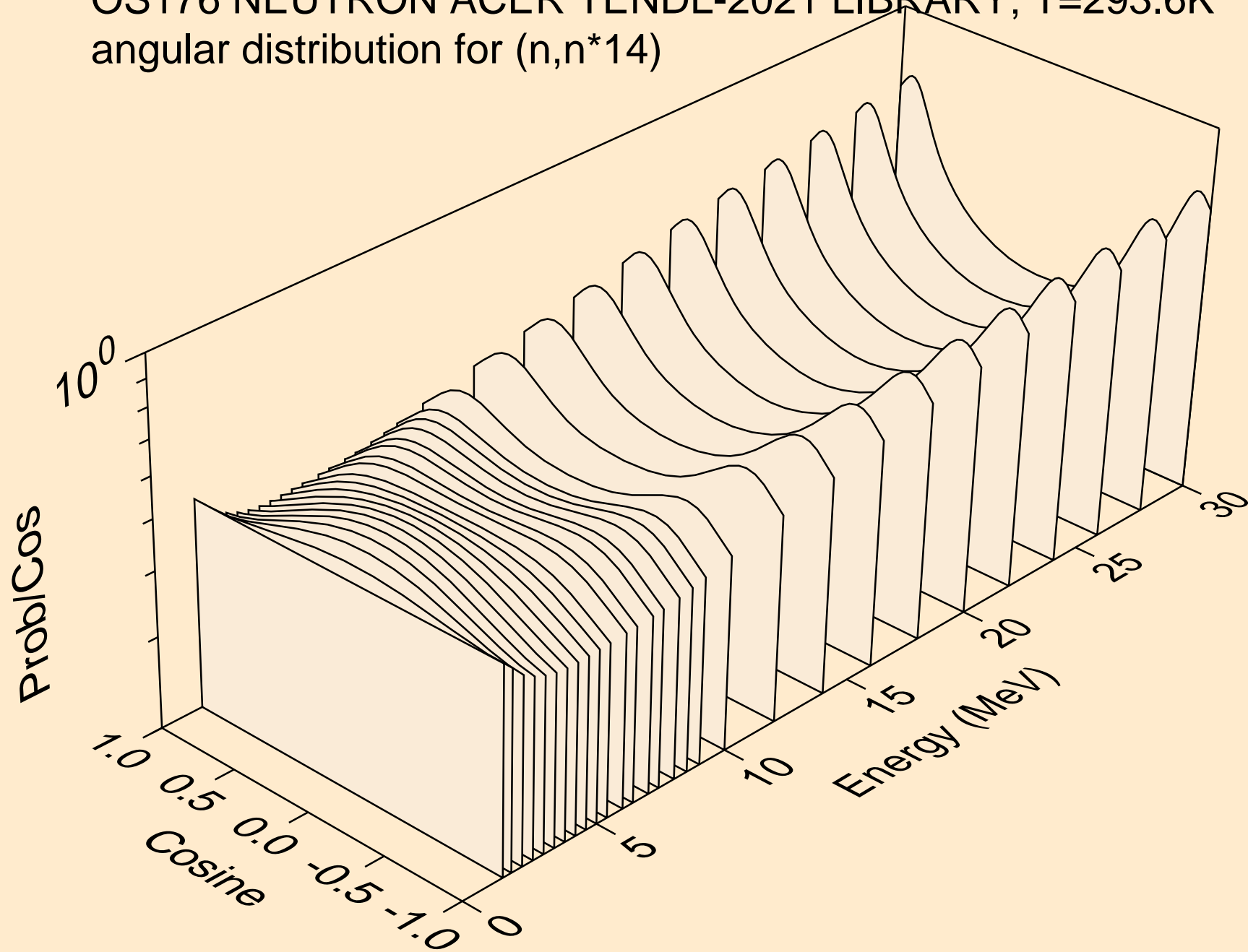
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angular distribution for (n,n\*12)



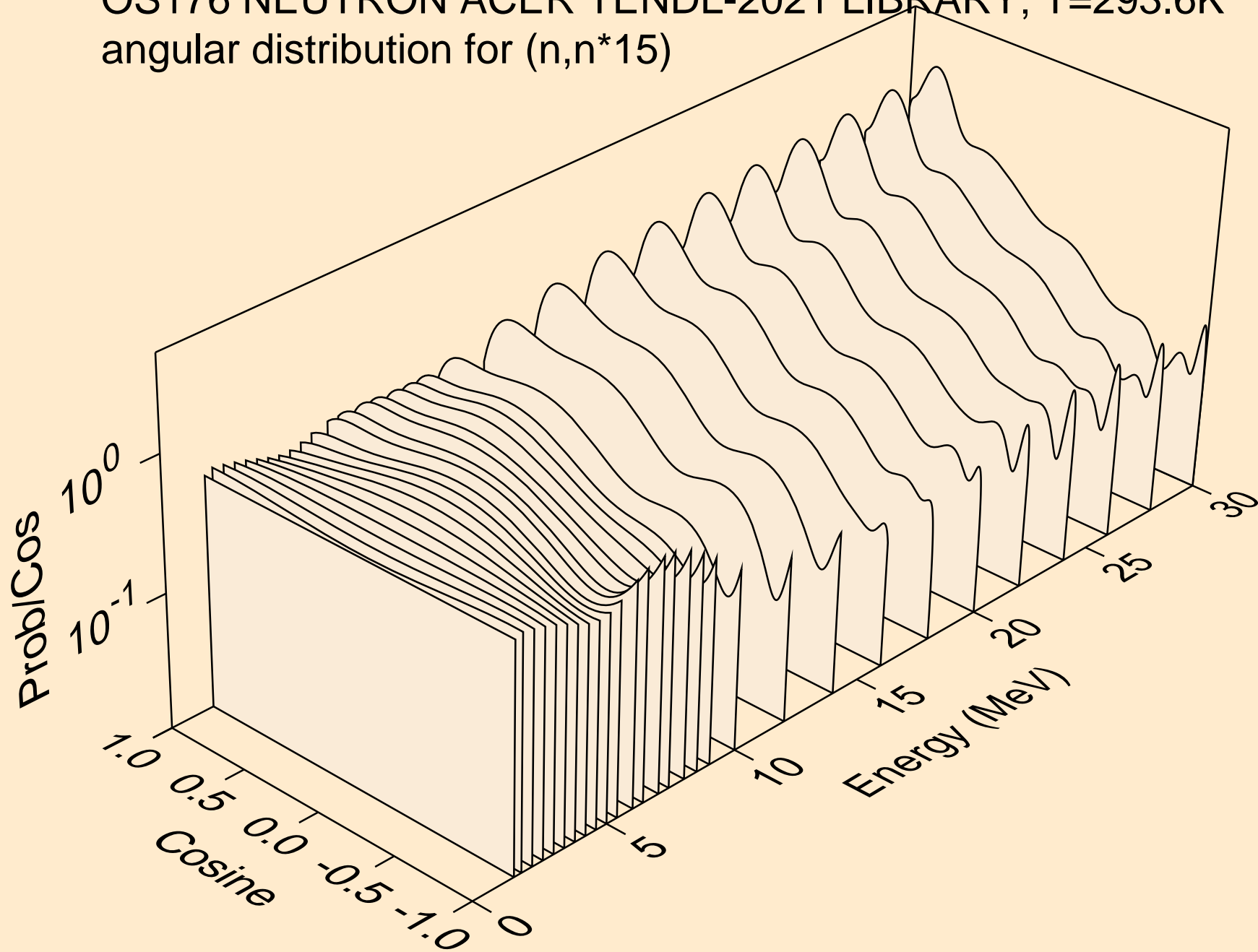
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angular distribution for (n,n\*13)



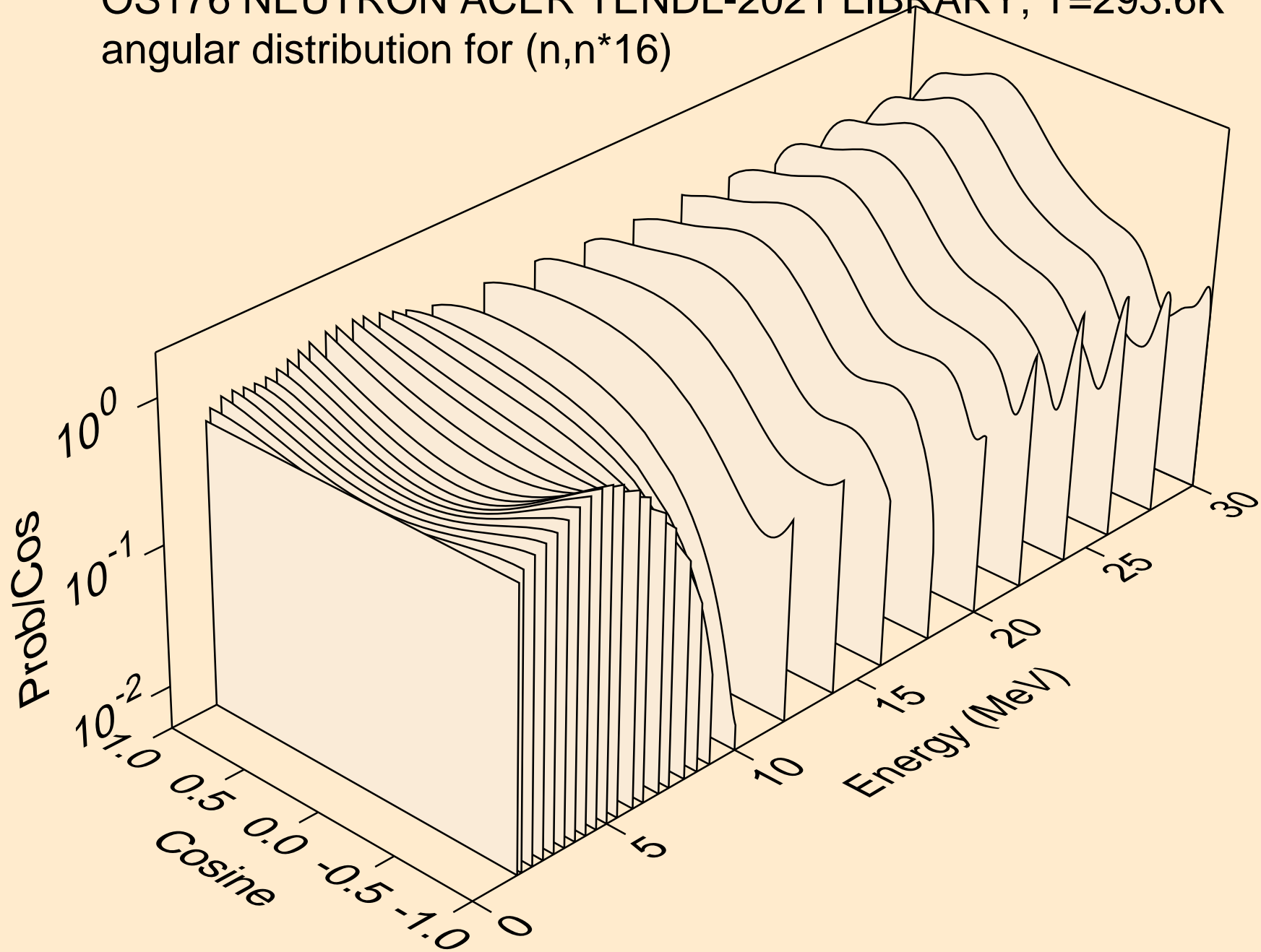
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

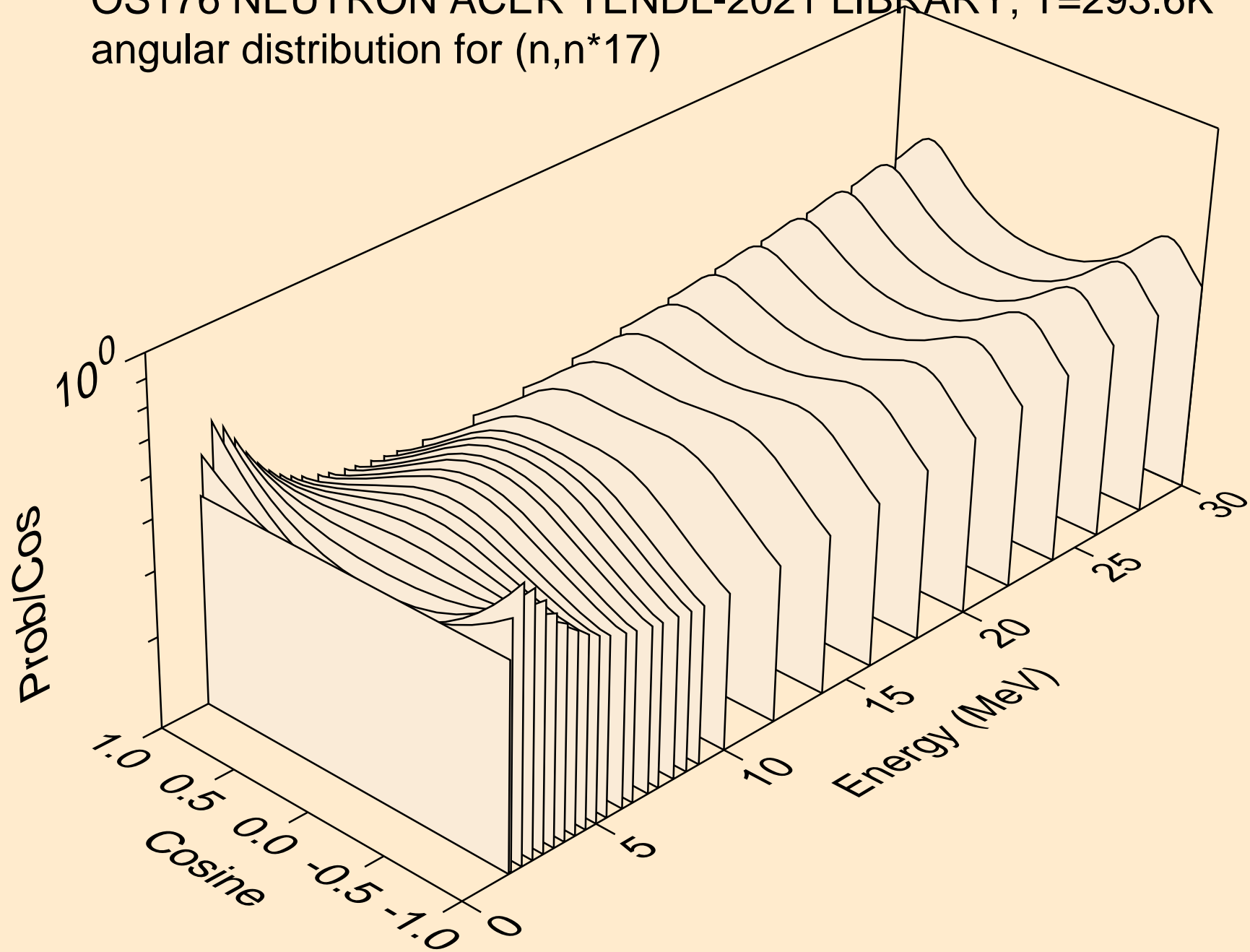


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

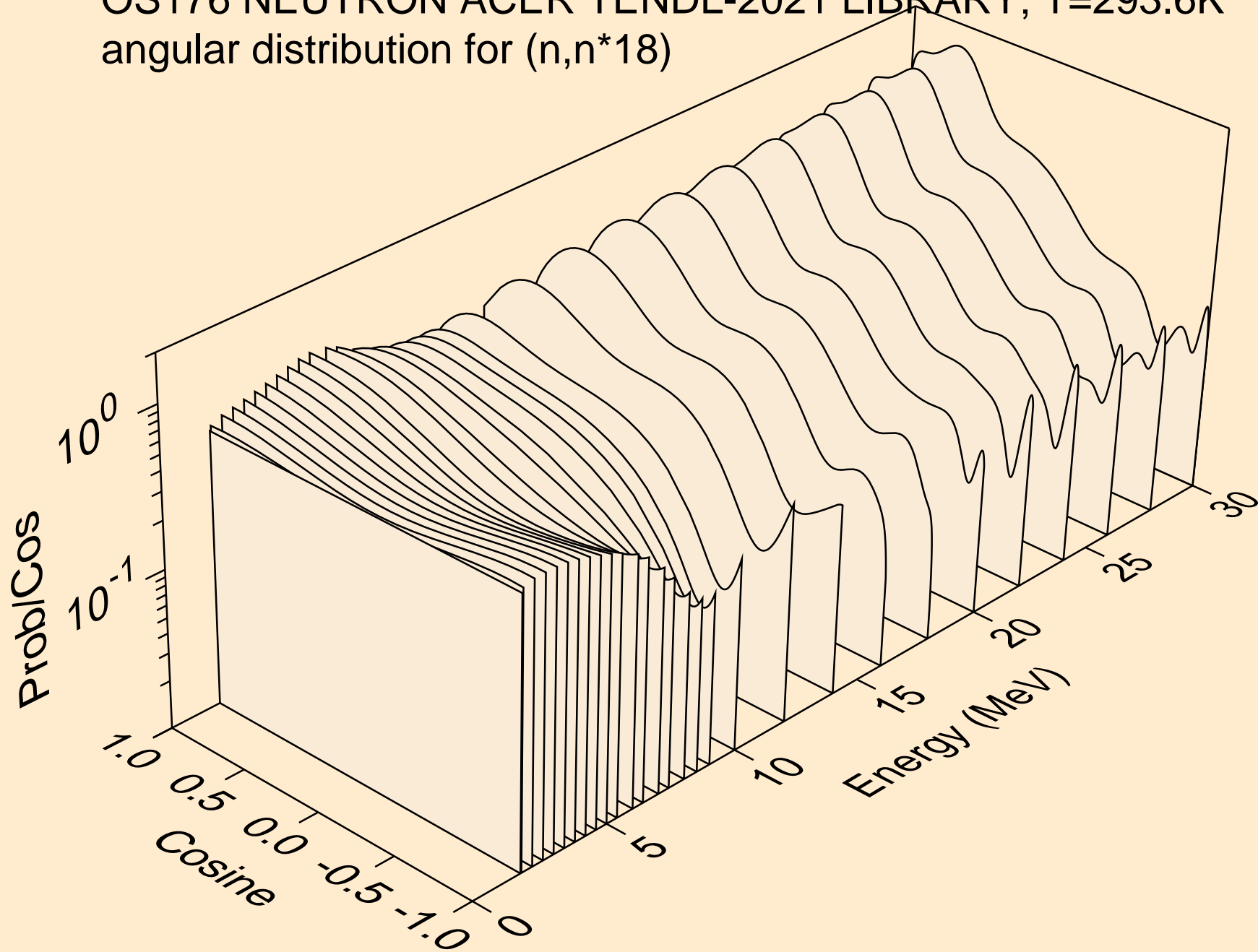




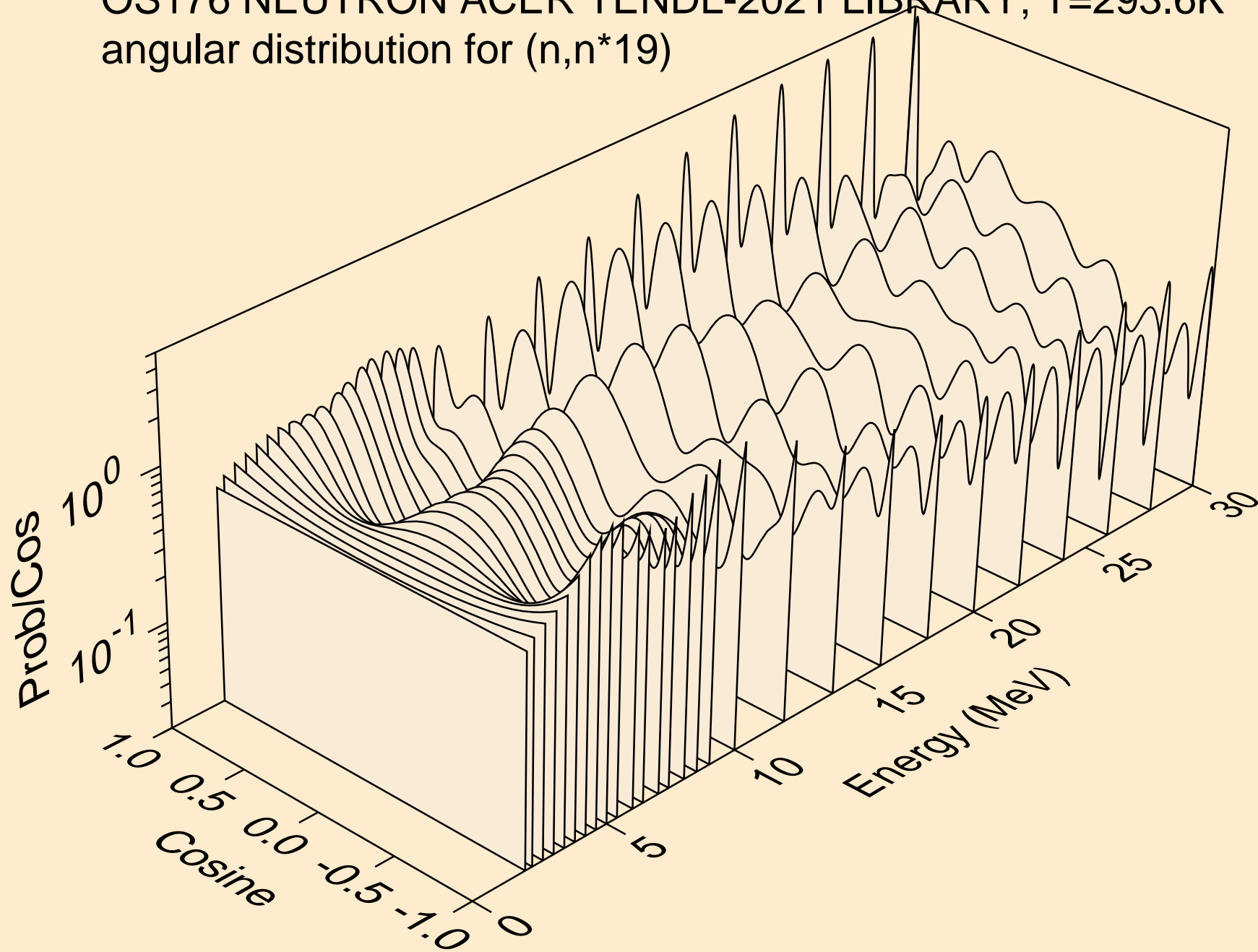
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angular distribution for (n,n\*17)



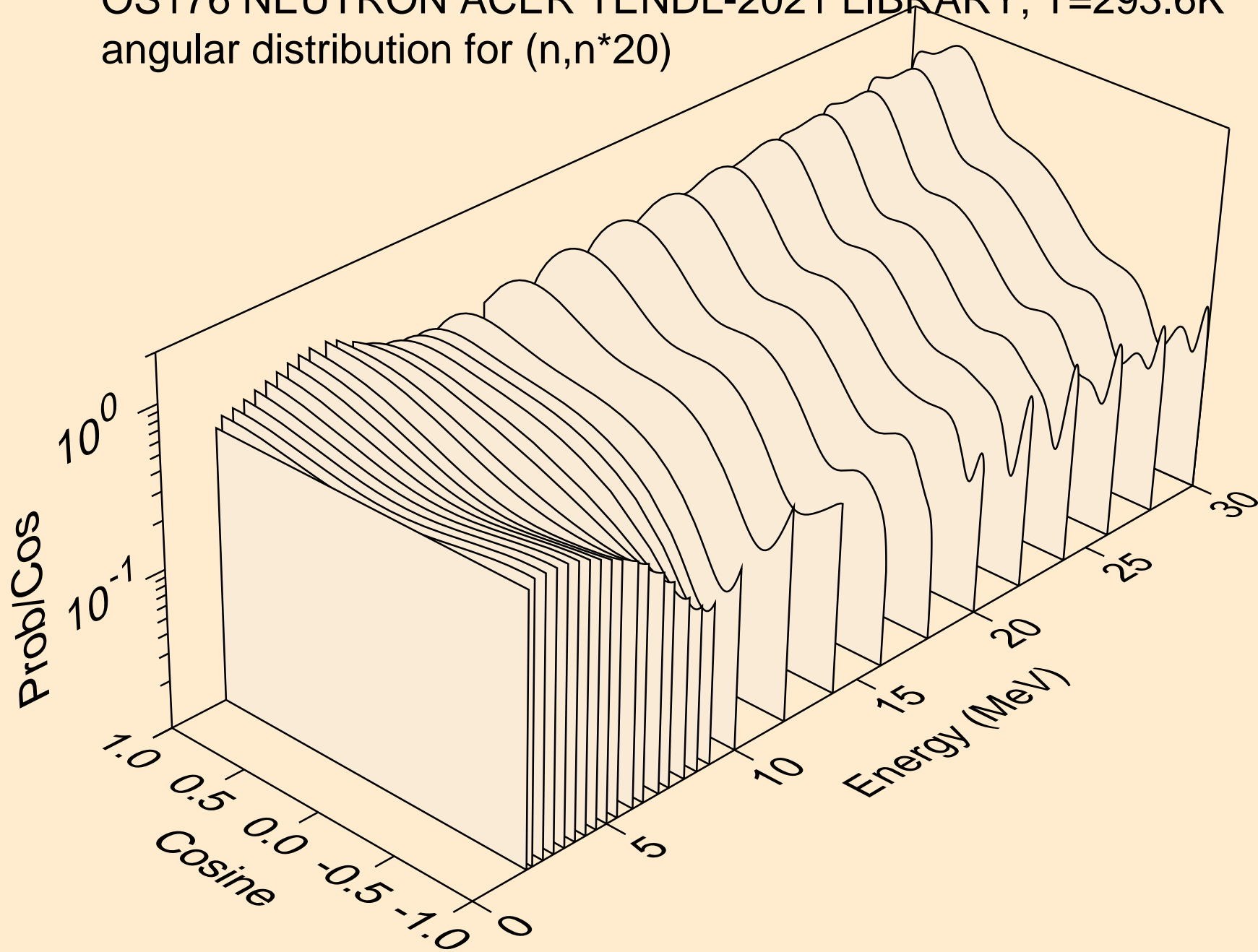
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angular distribution for (n,n\*18)



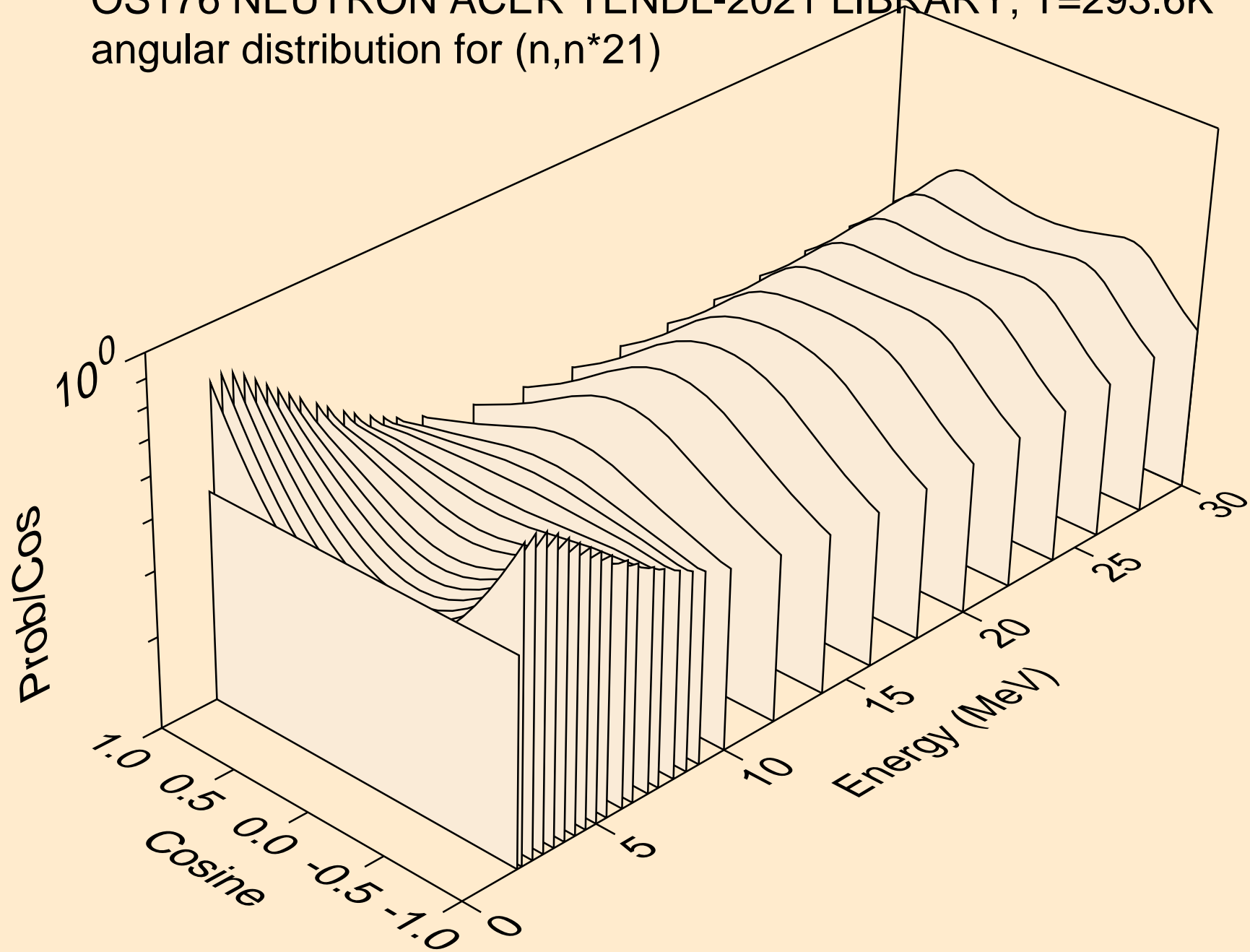
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angular distribution for (n,n\*19)



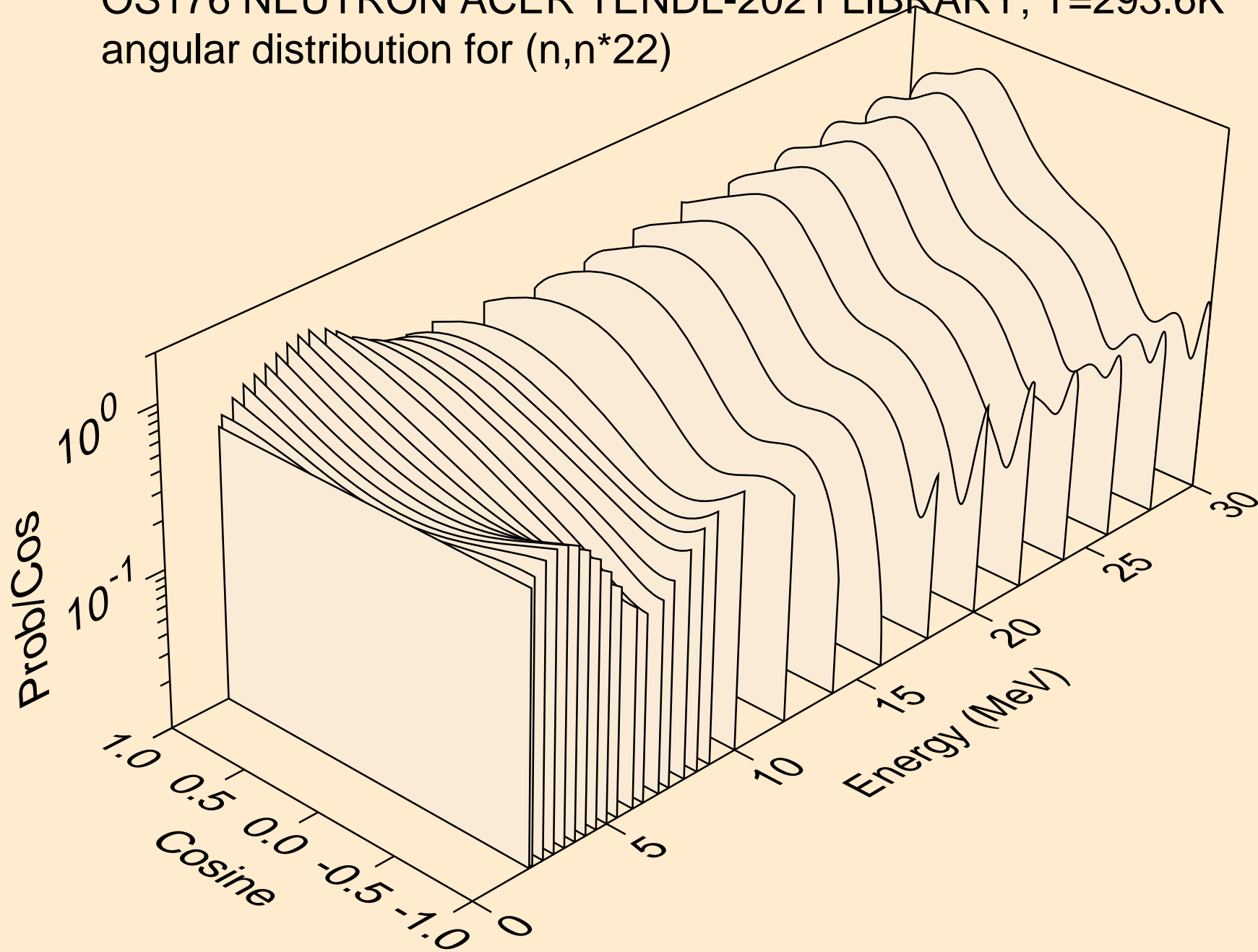
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angular distribution for (n,n\*20)



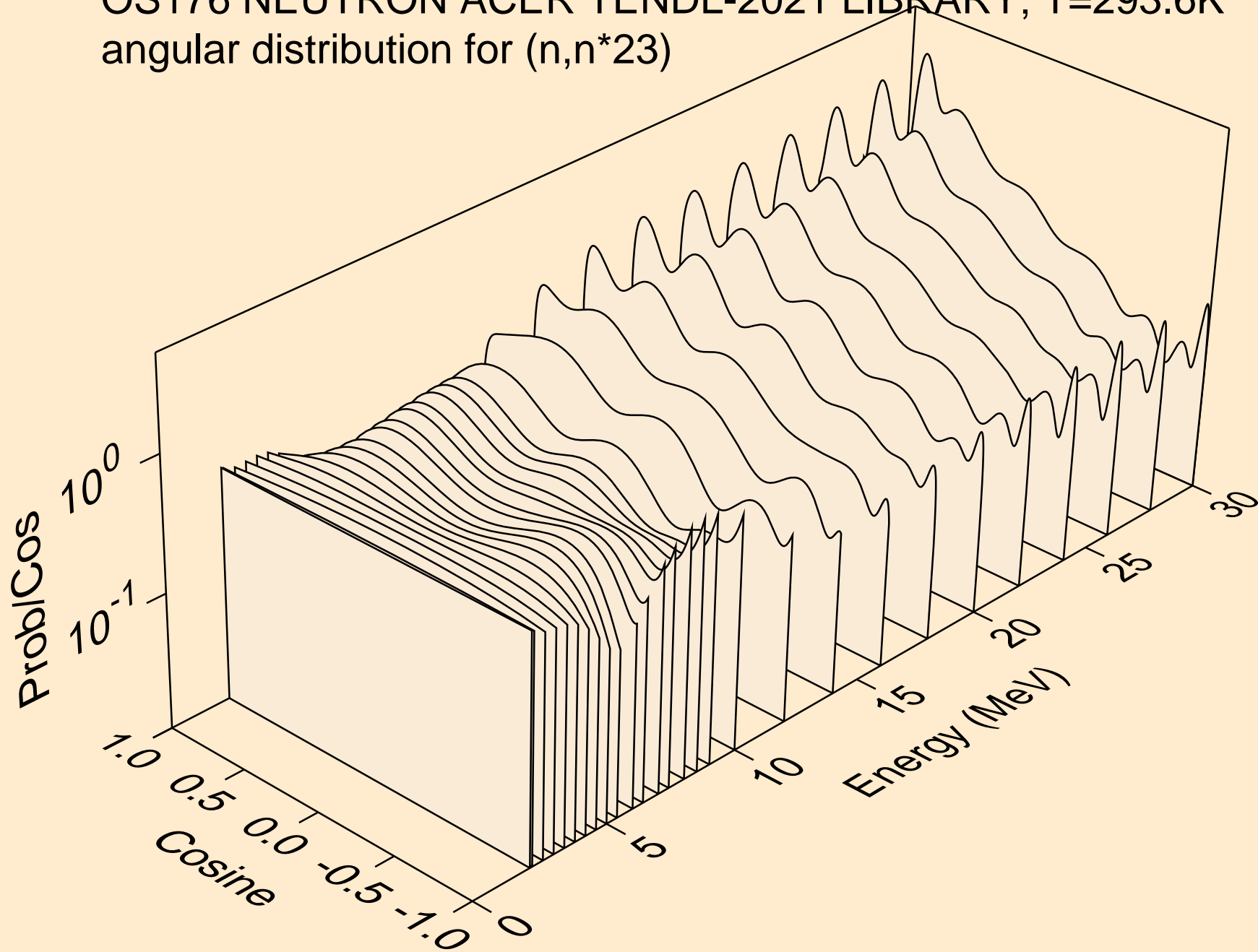
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angular distribution for (n,n\*21)



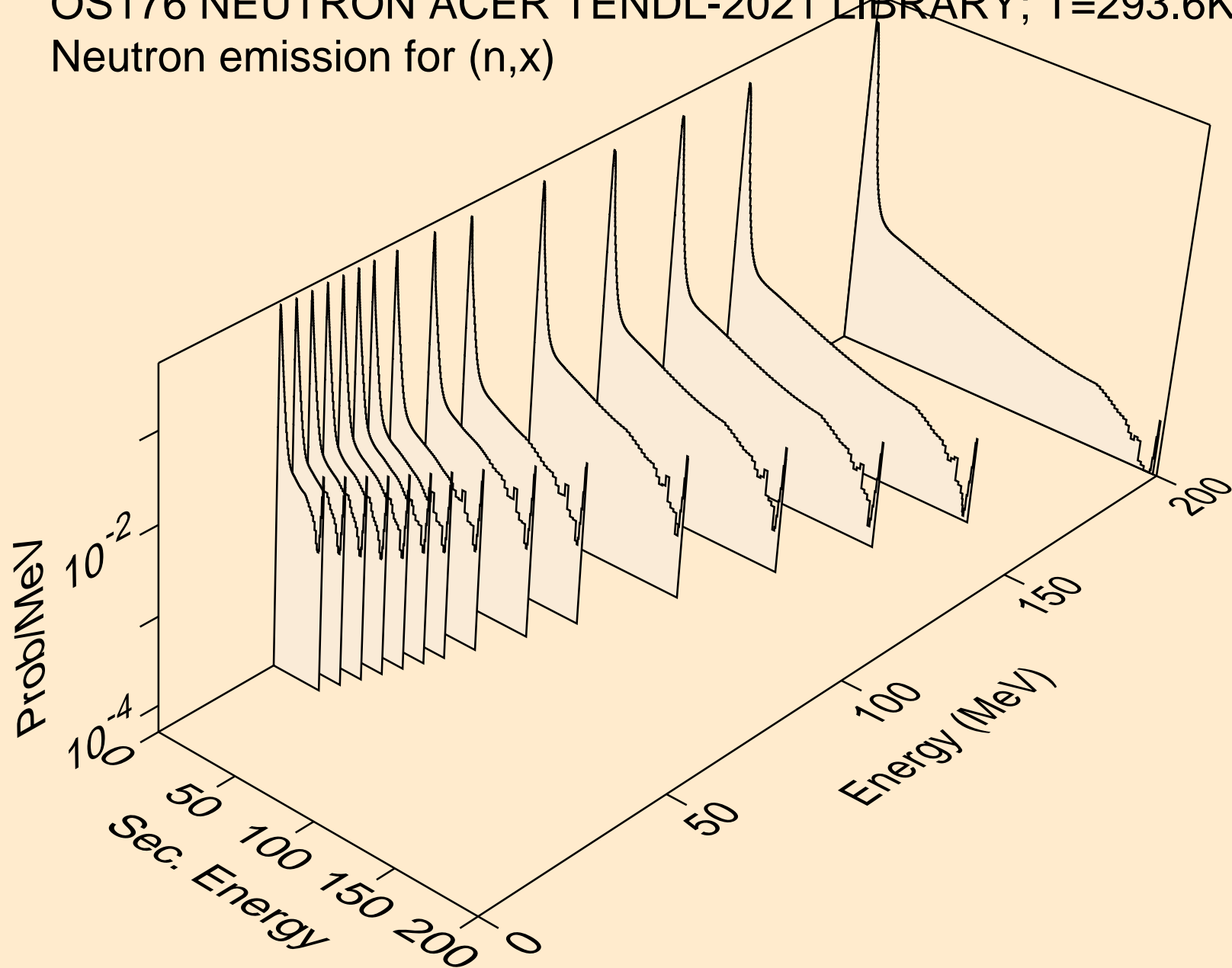
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

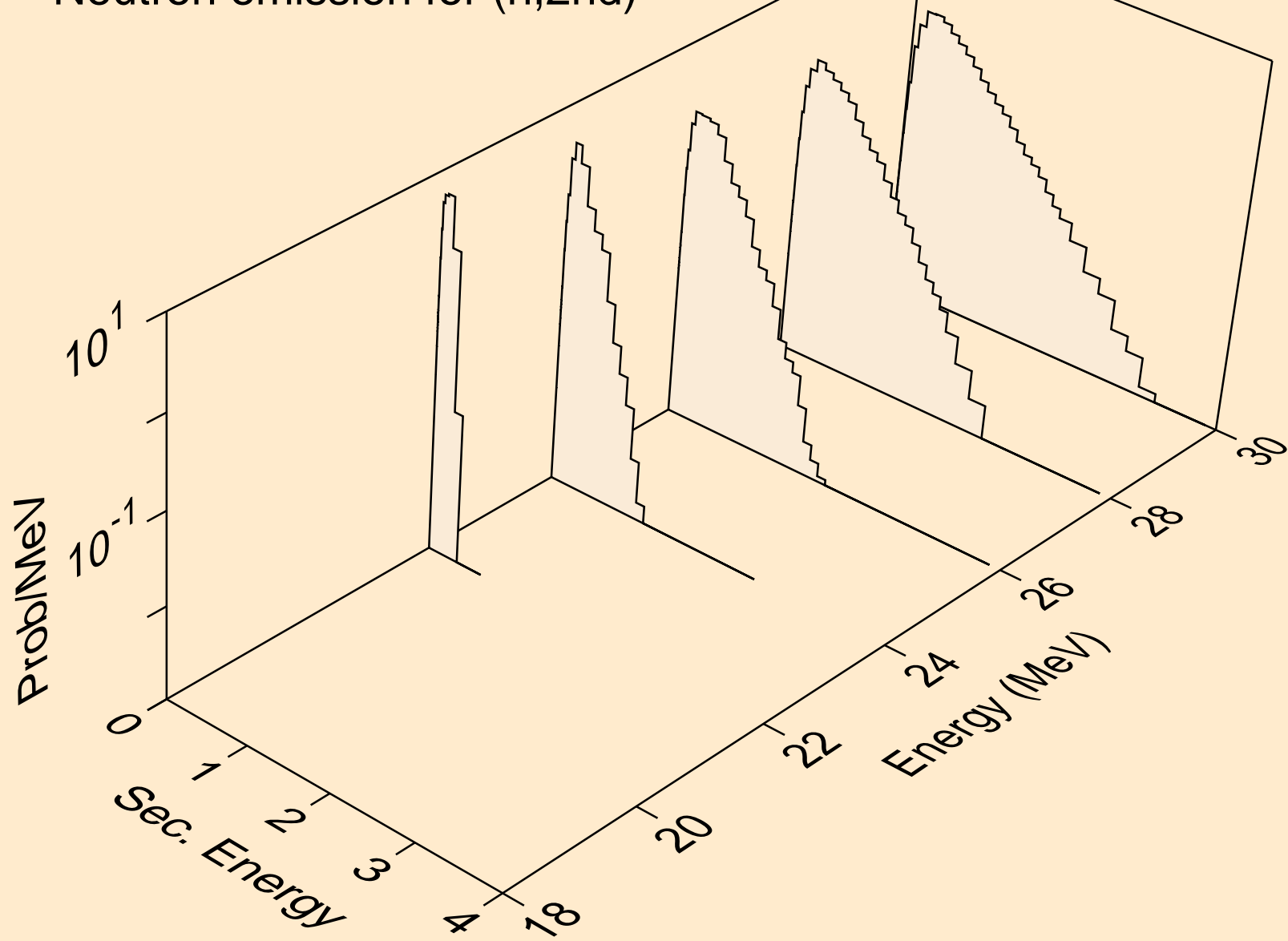


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

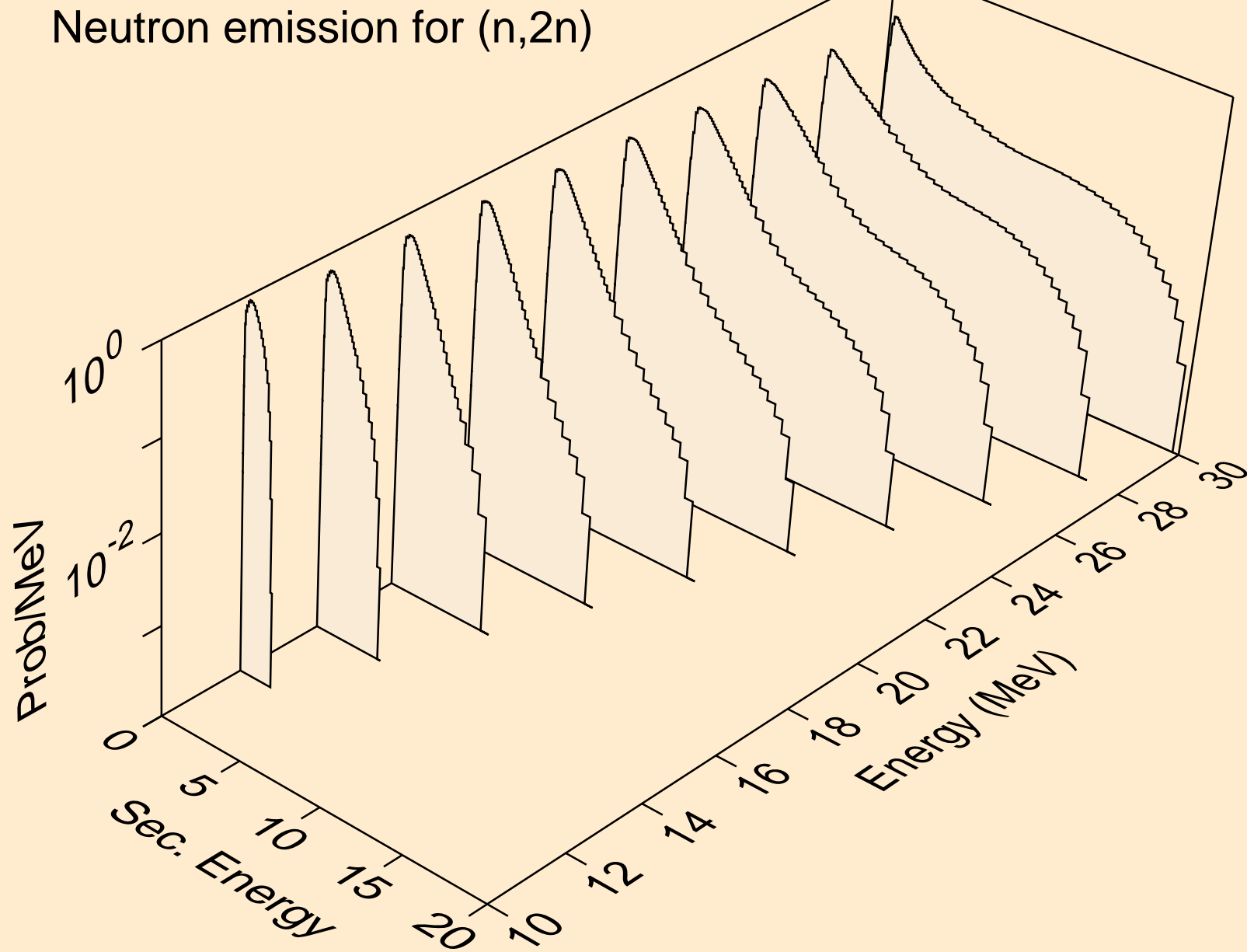




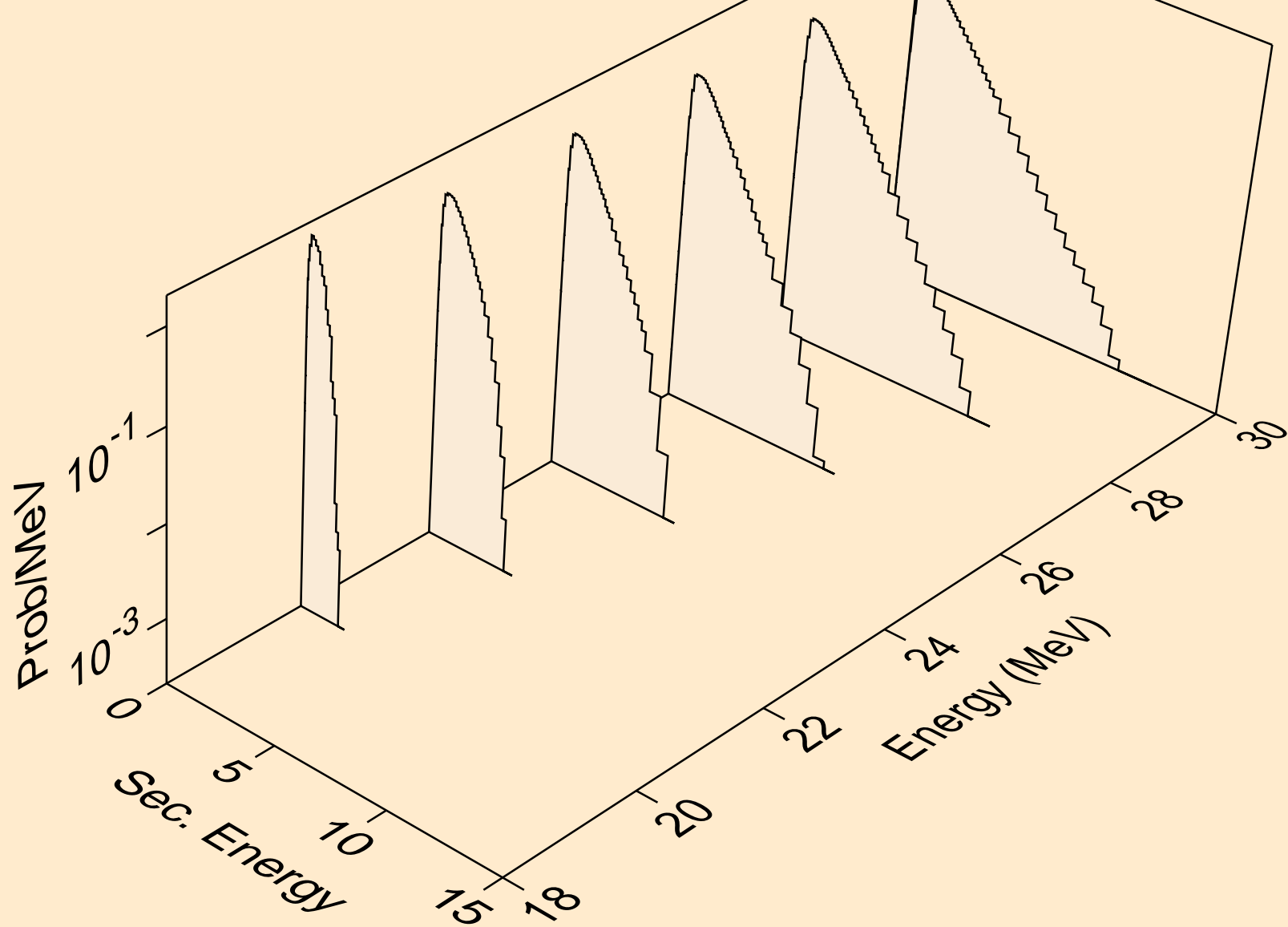
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



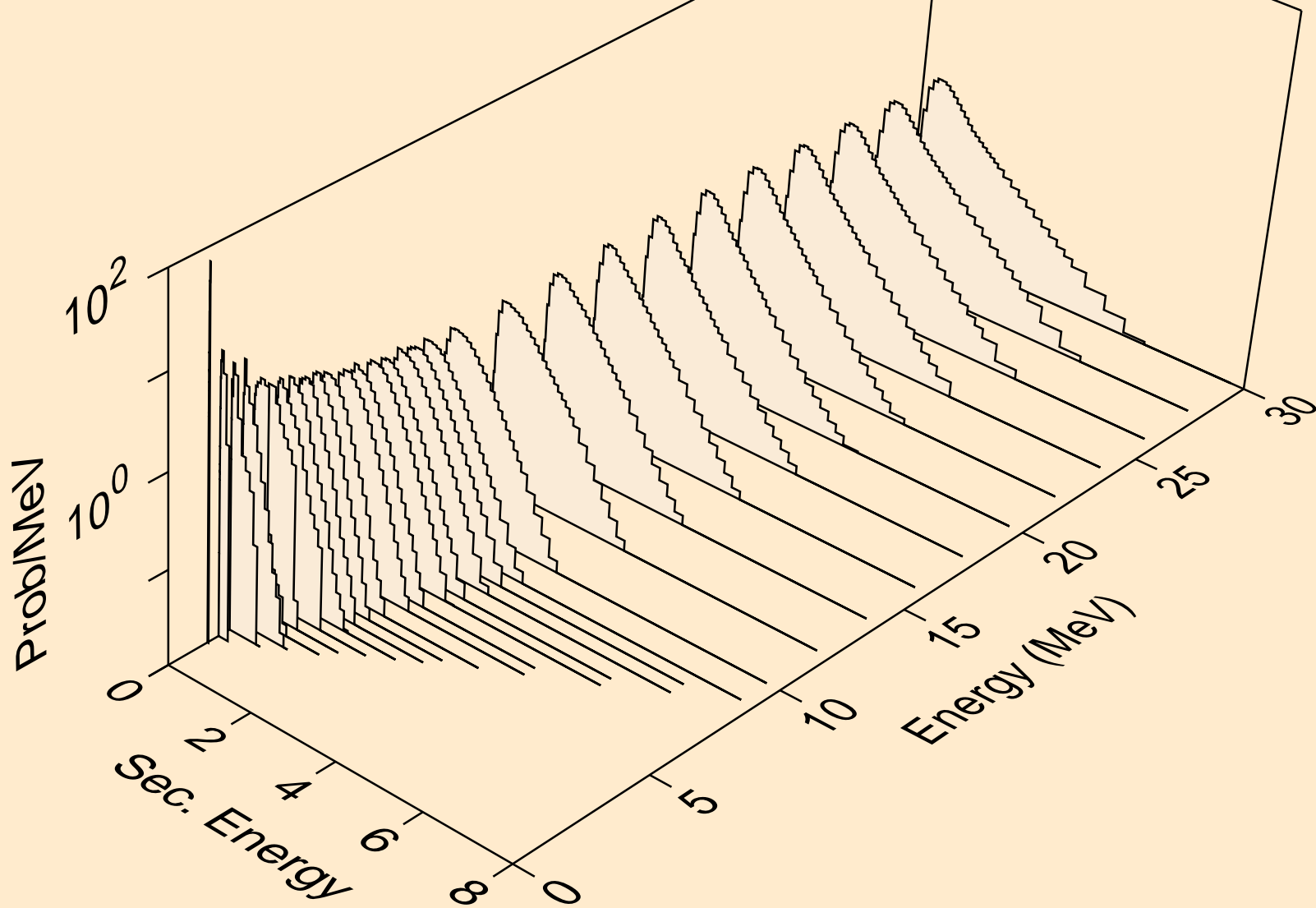
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



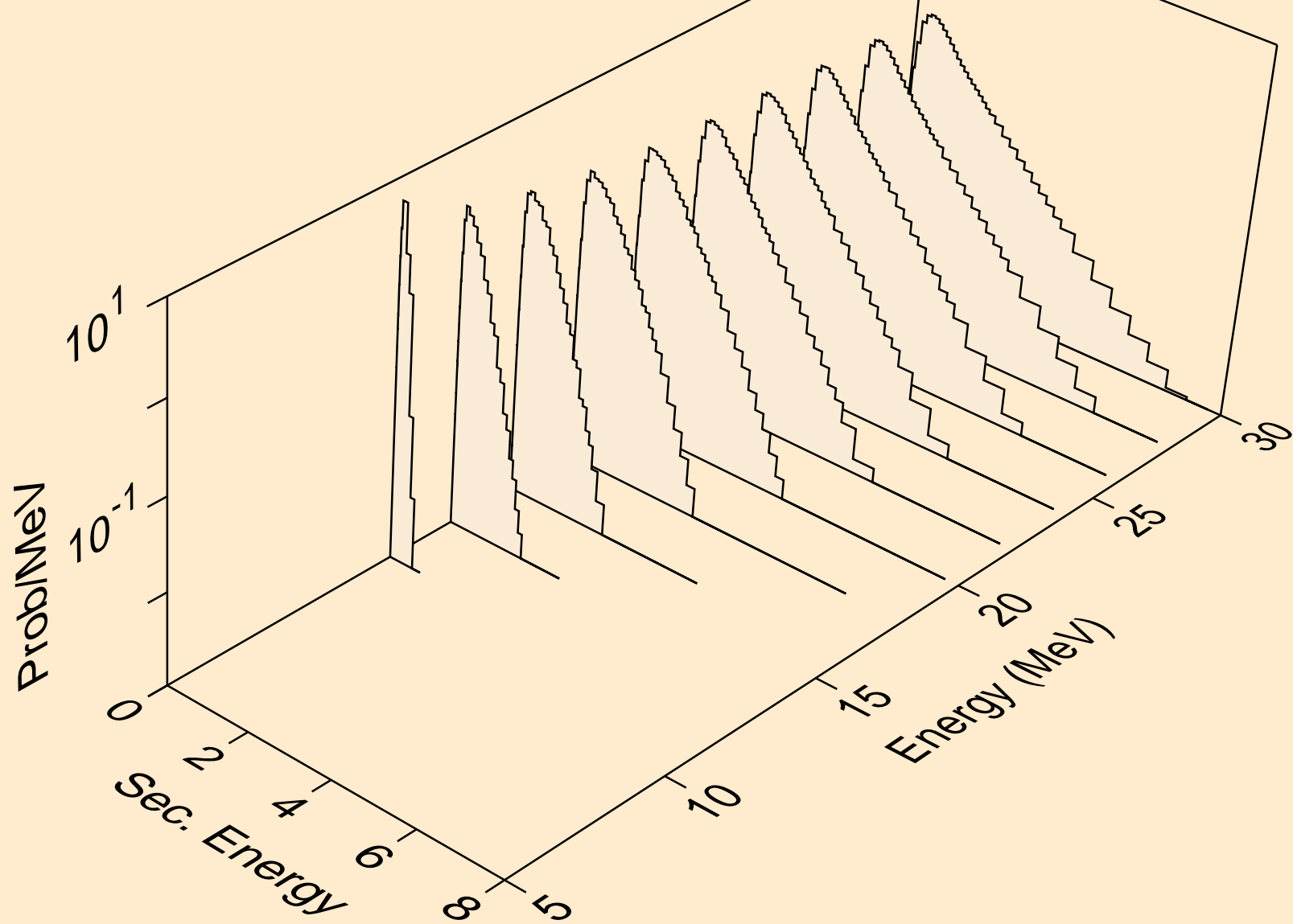
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



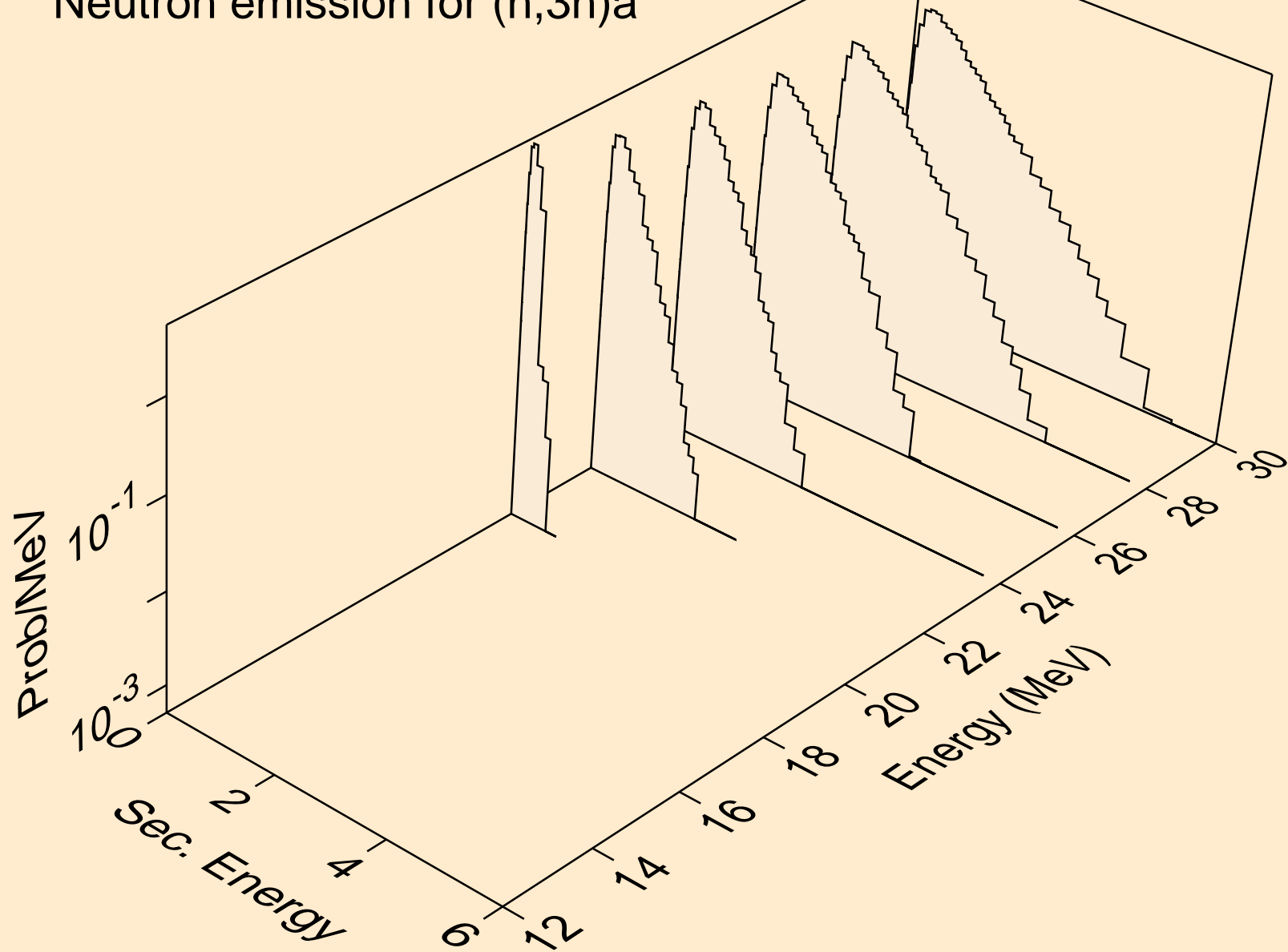
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



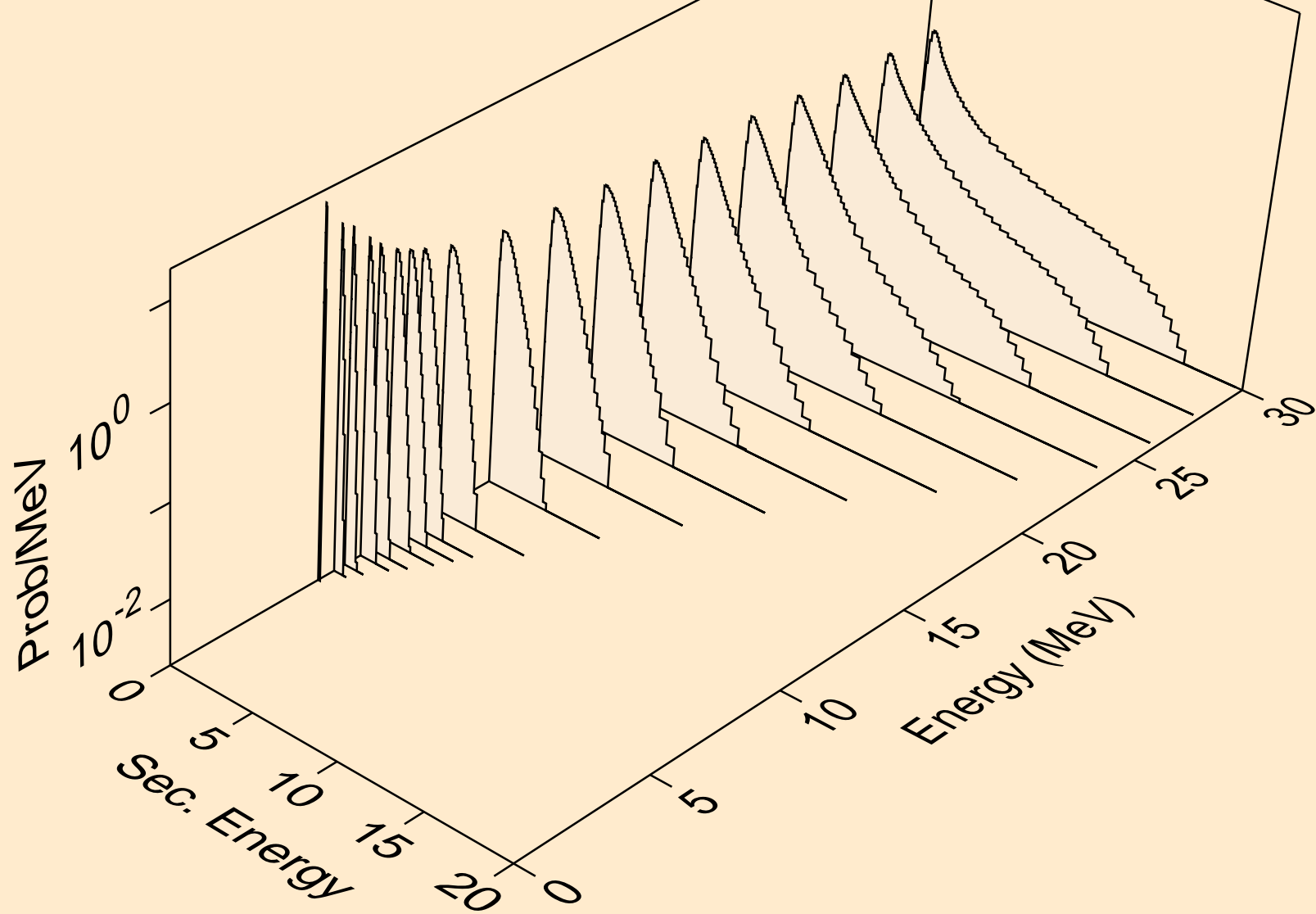
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



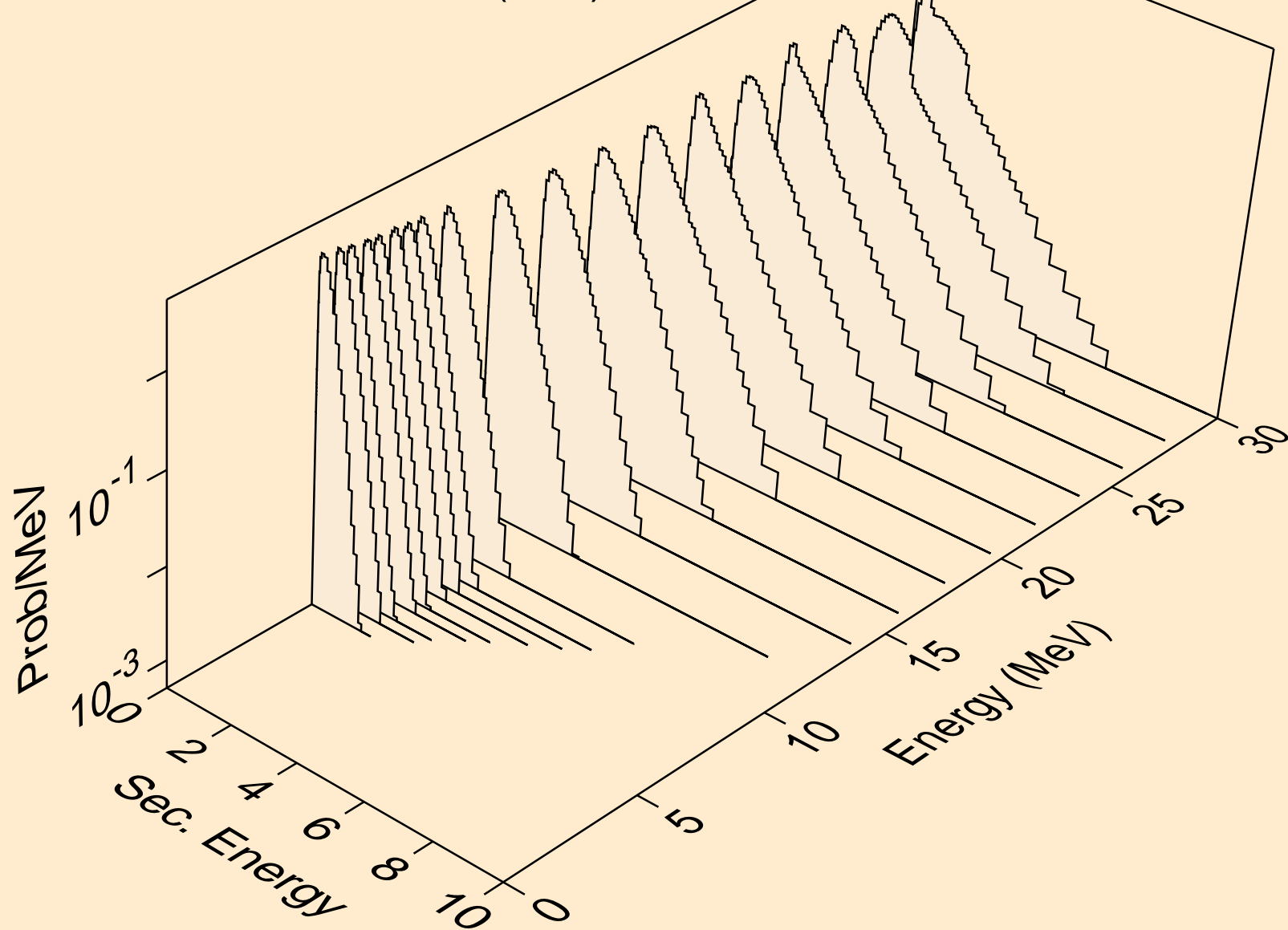
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

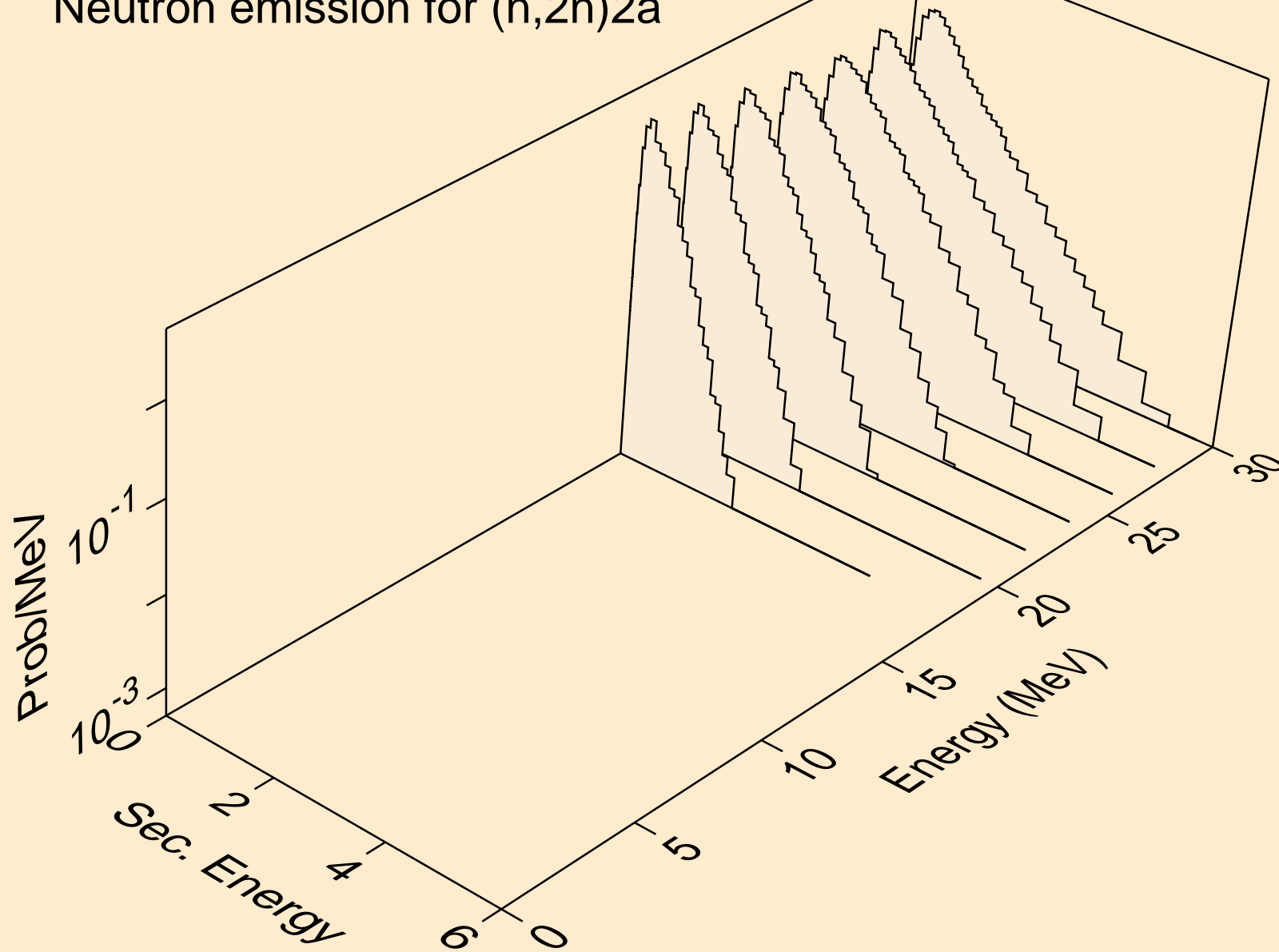


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

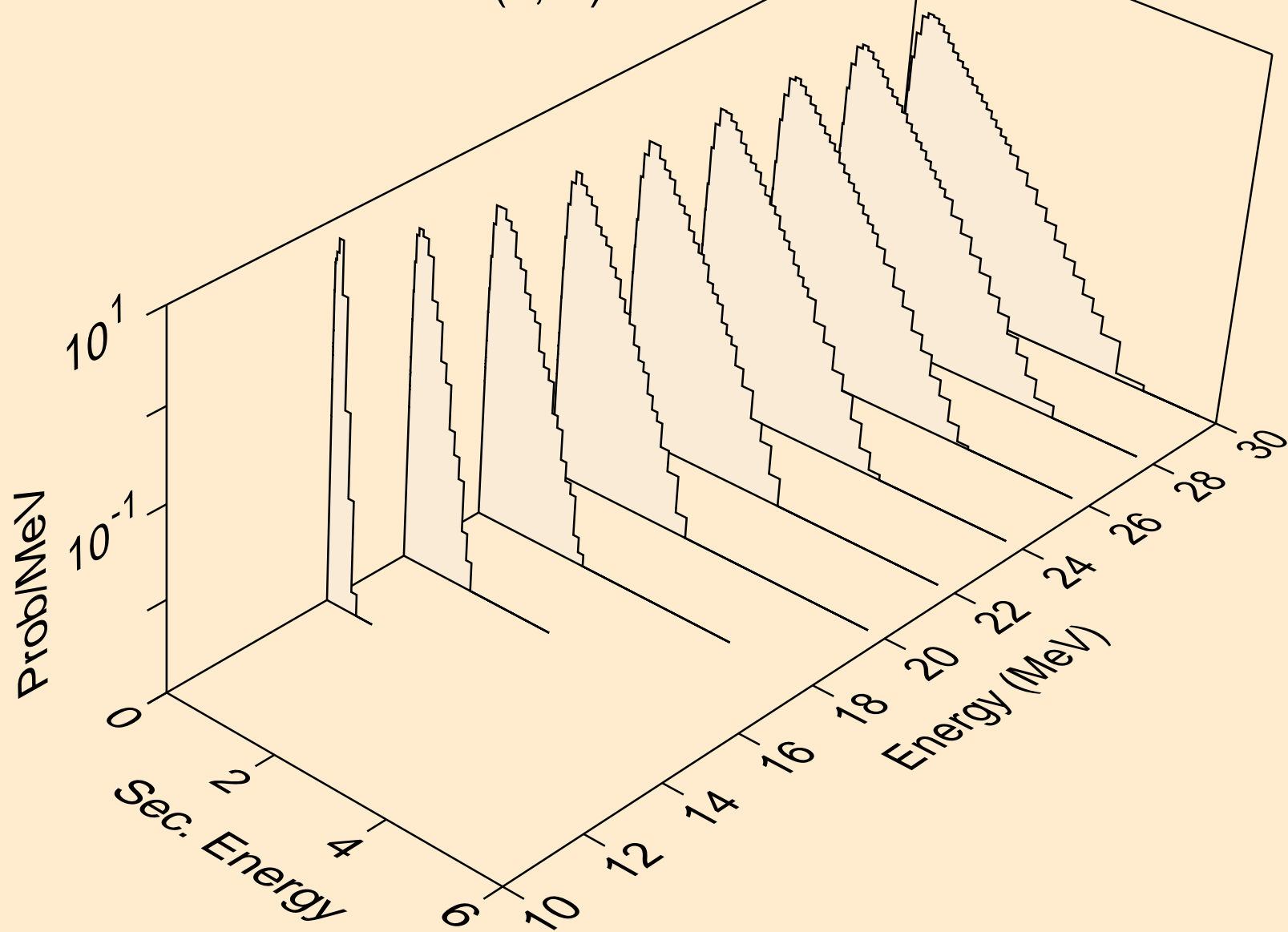




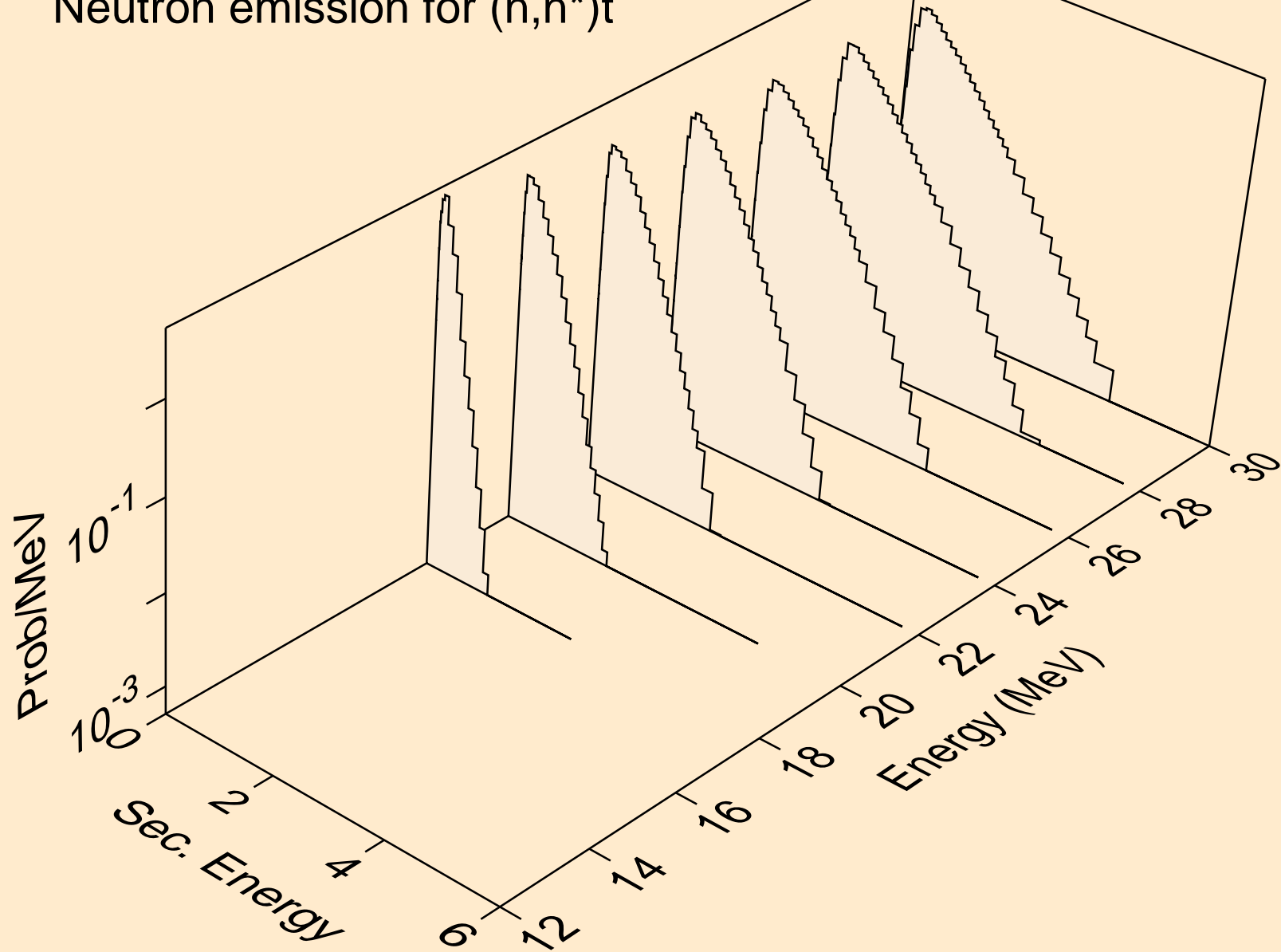
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Neutron emission for (n,2n)2a



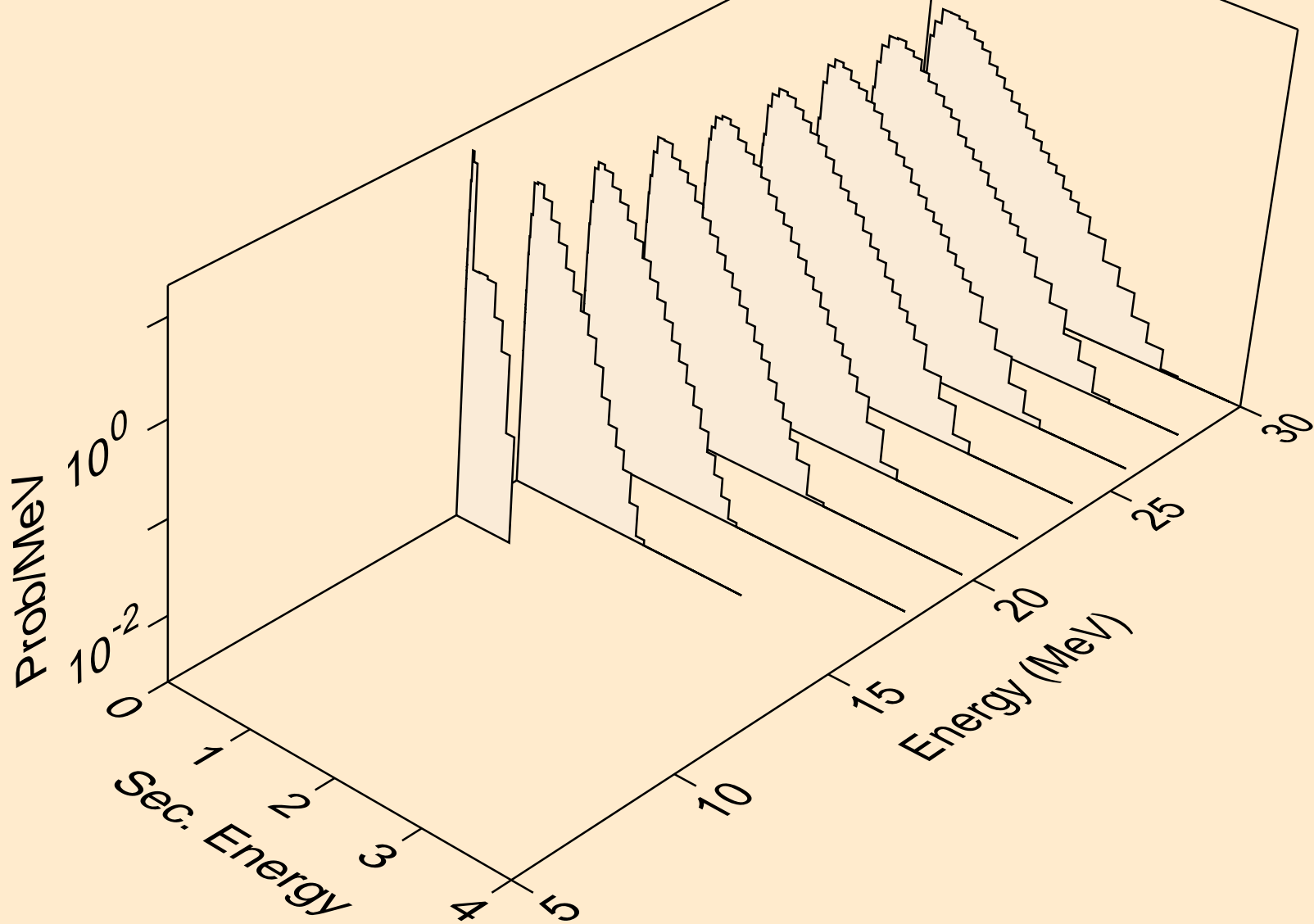
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Neutron emission for (n,n\*)d



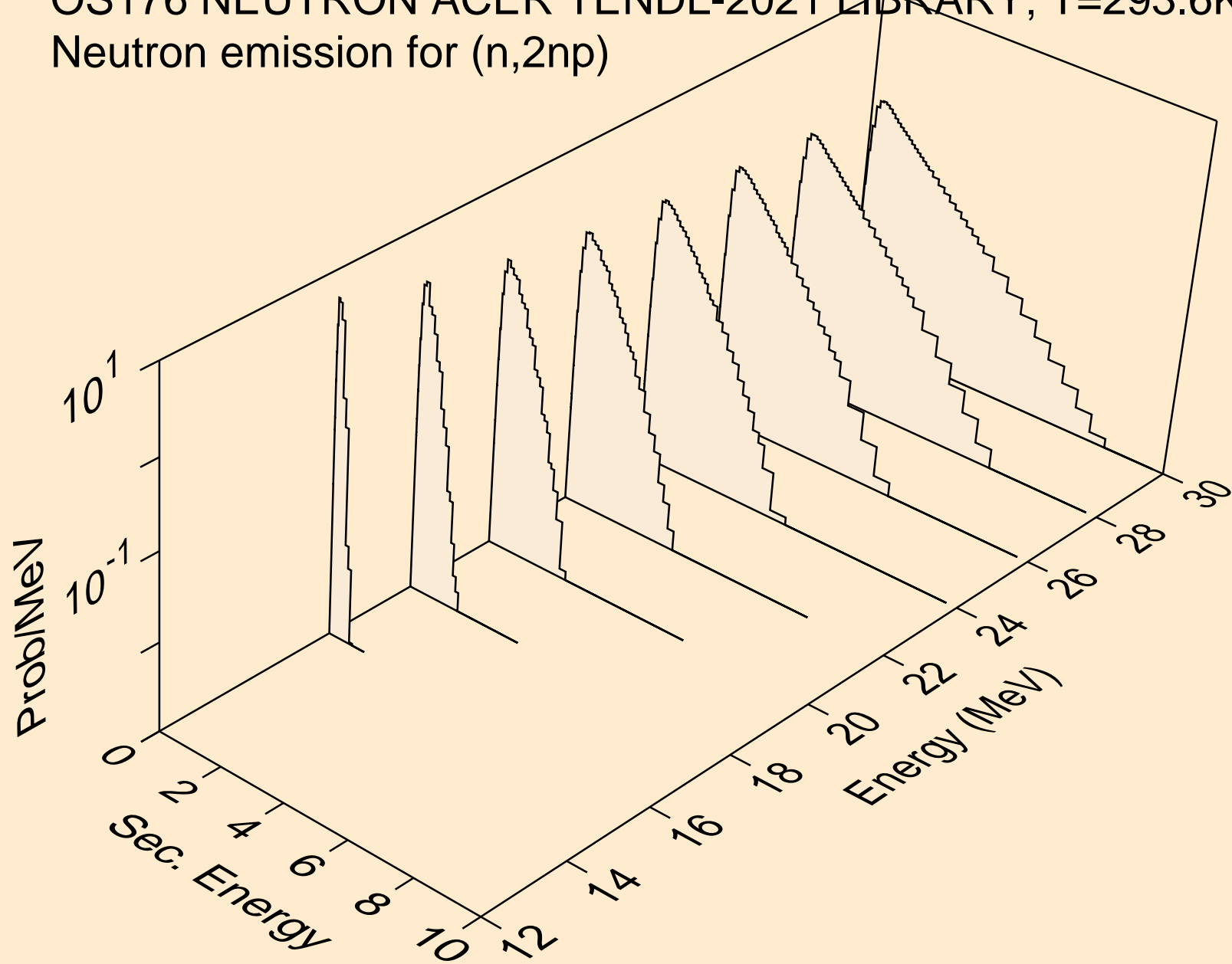
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



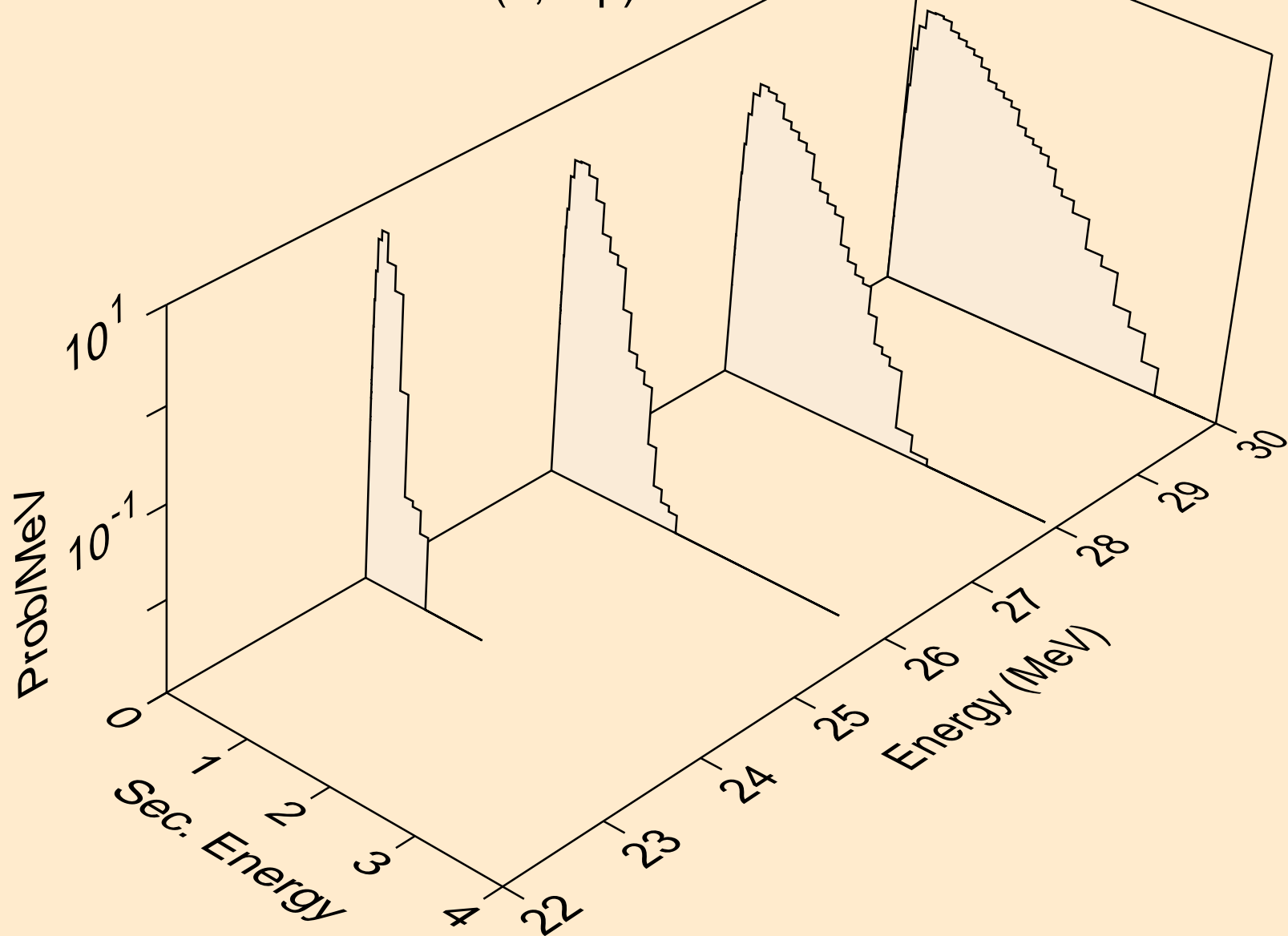
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



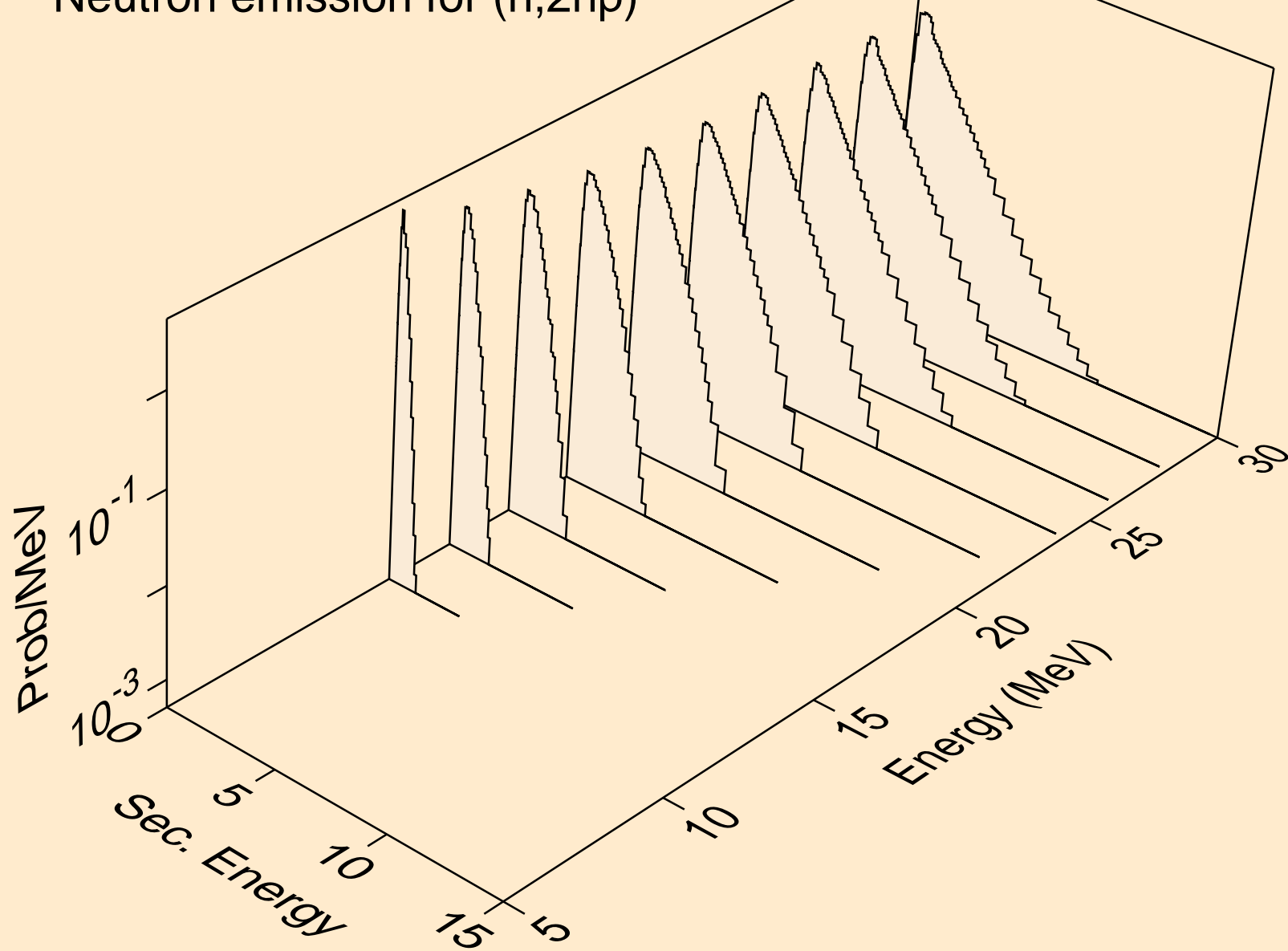
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



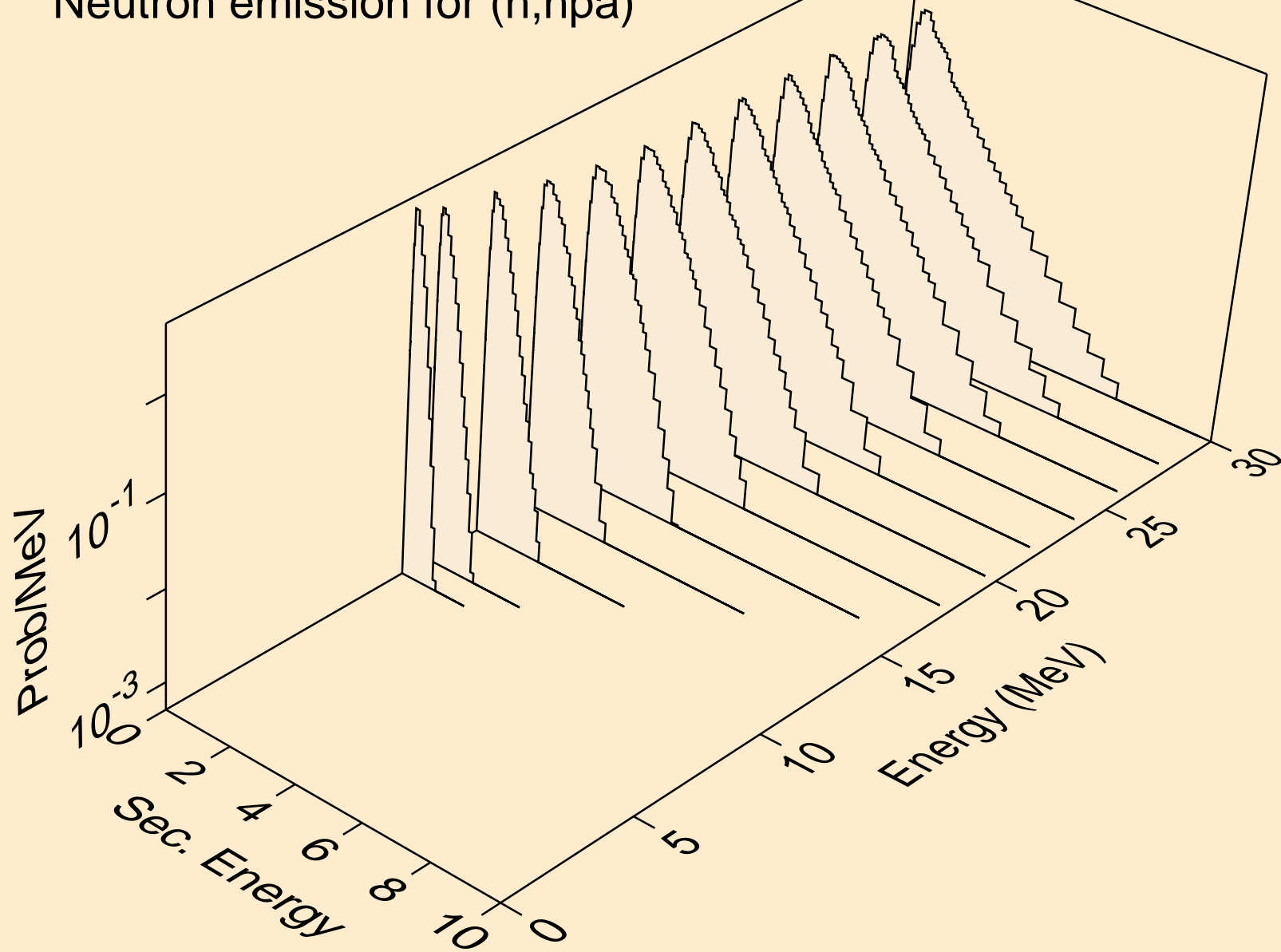
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

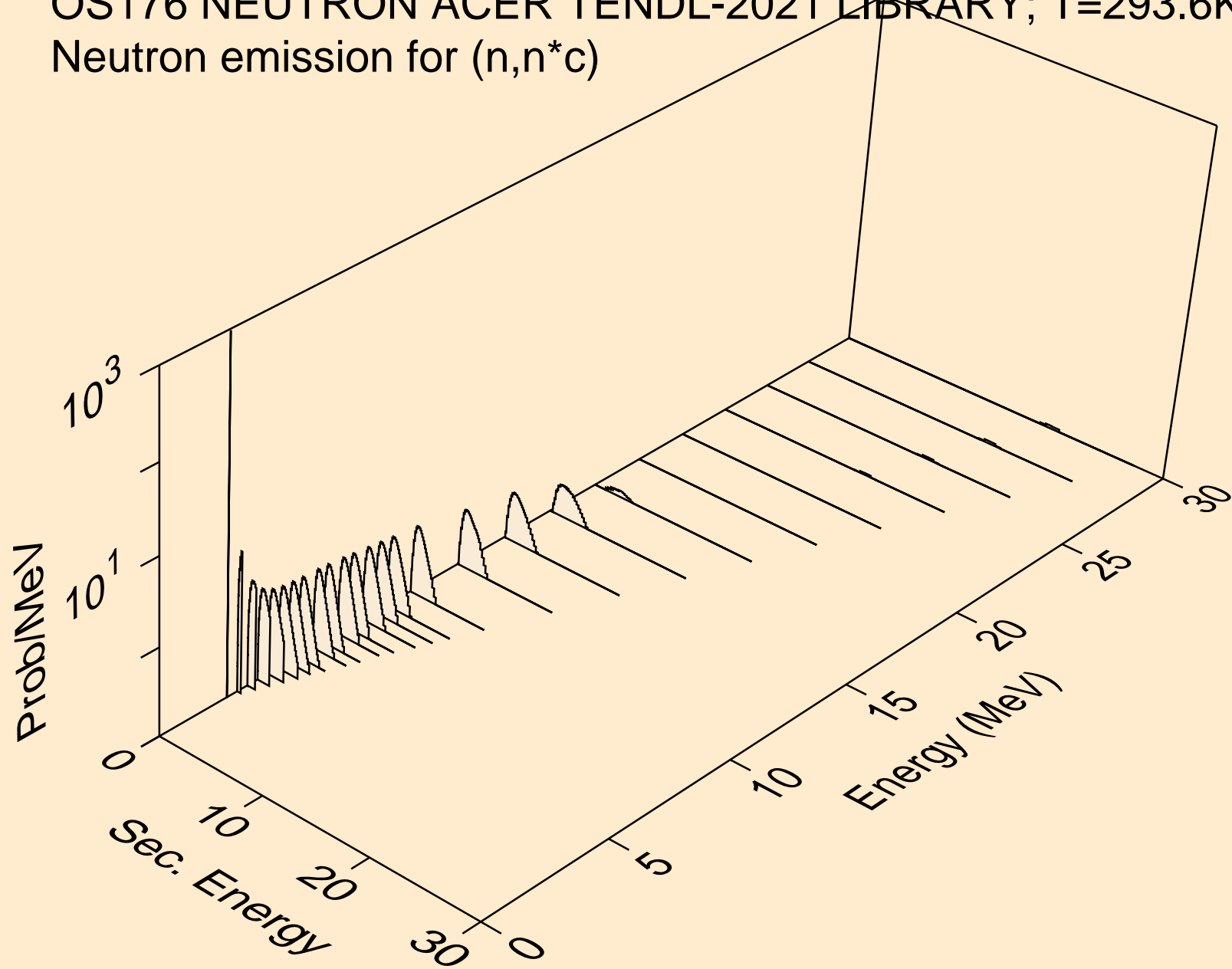


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

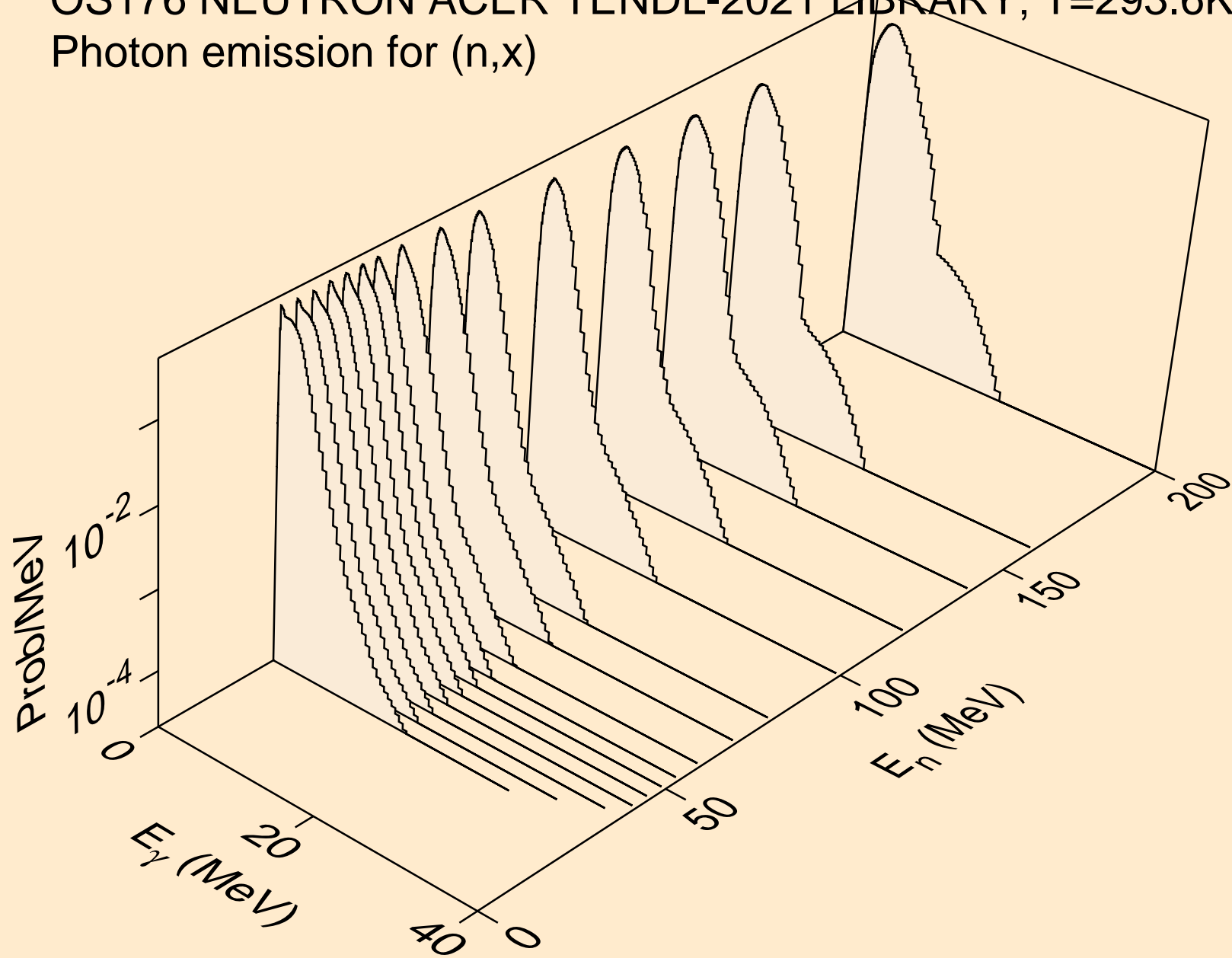




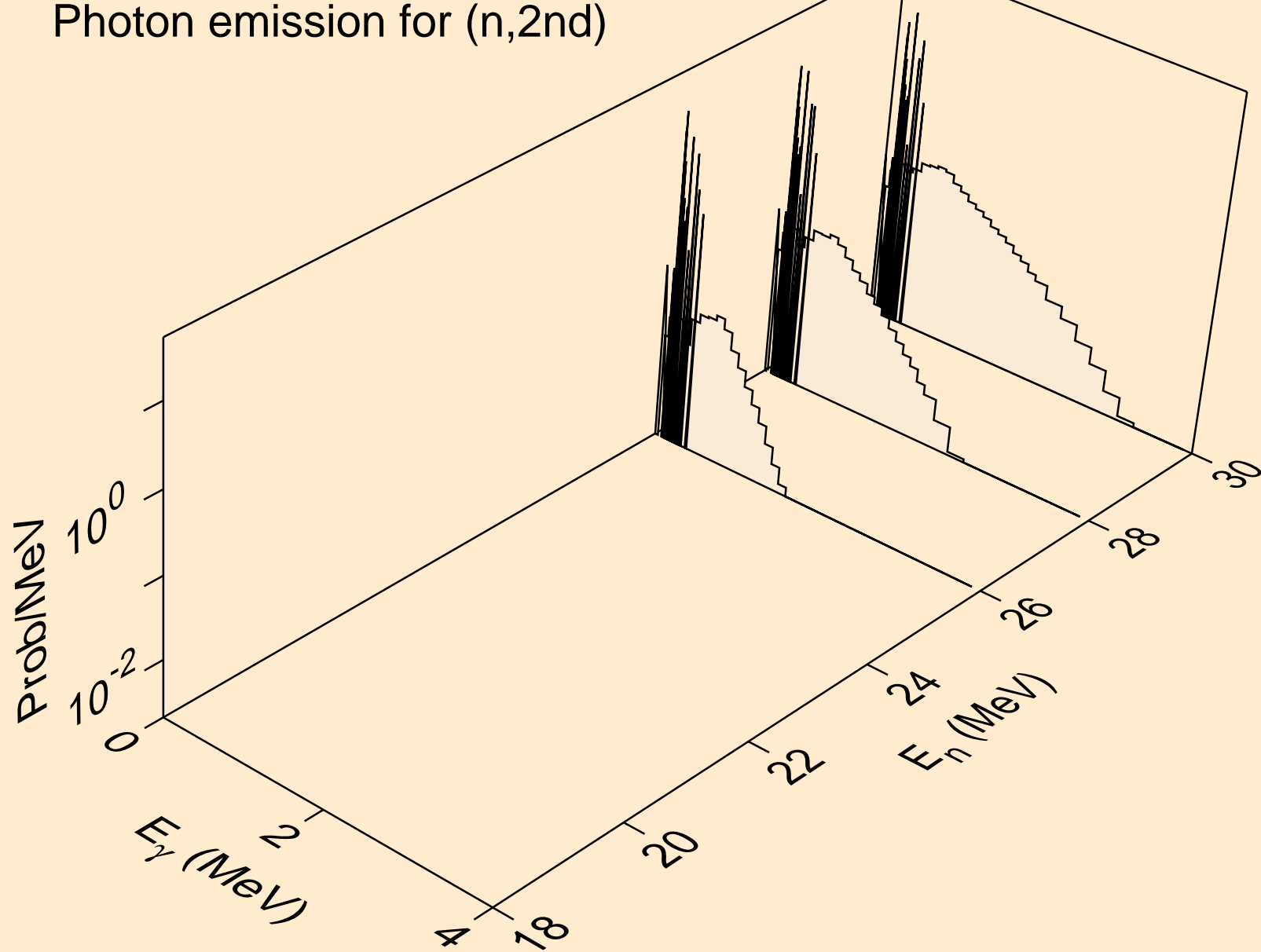
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



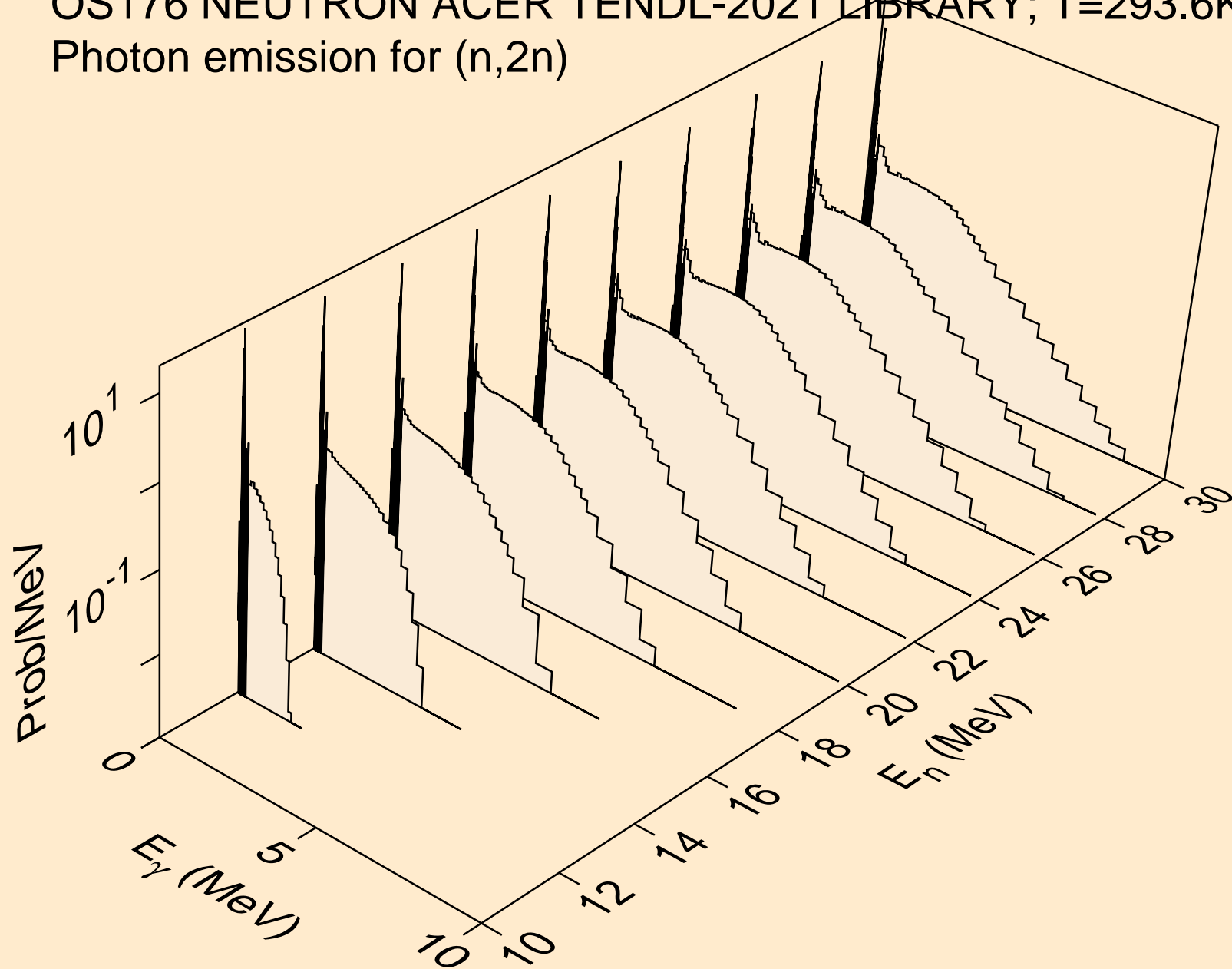
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



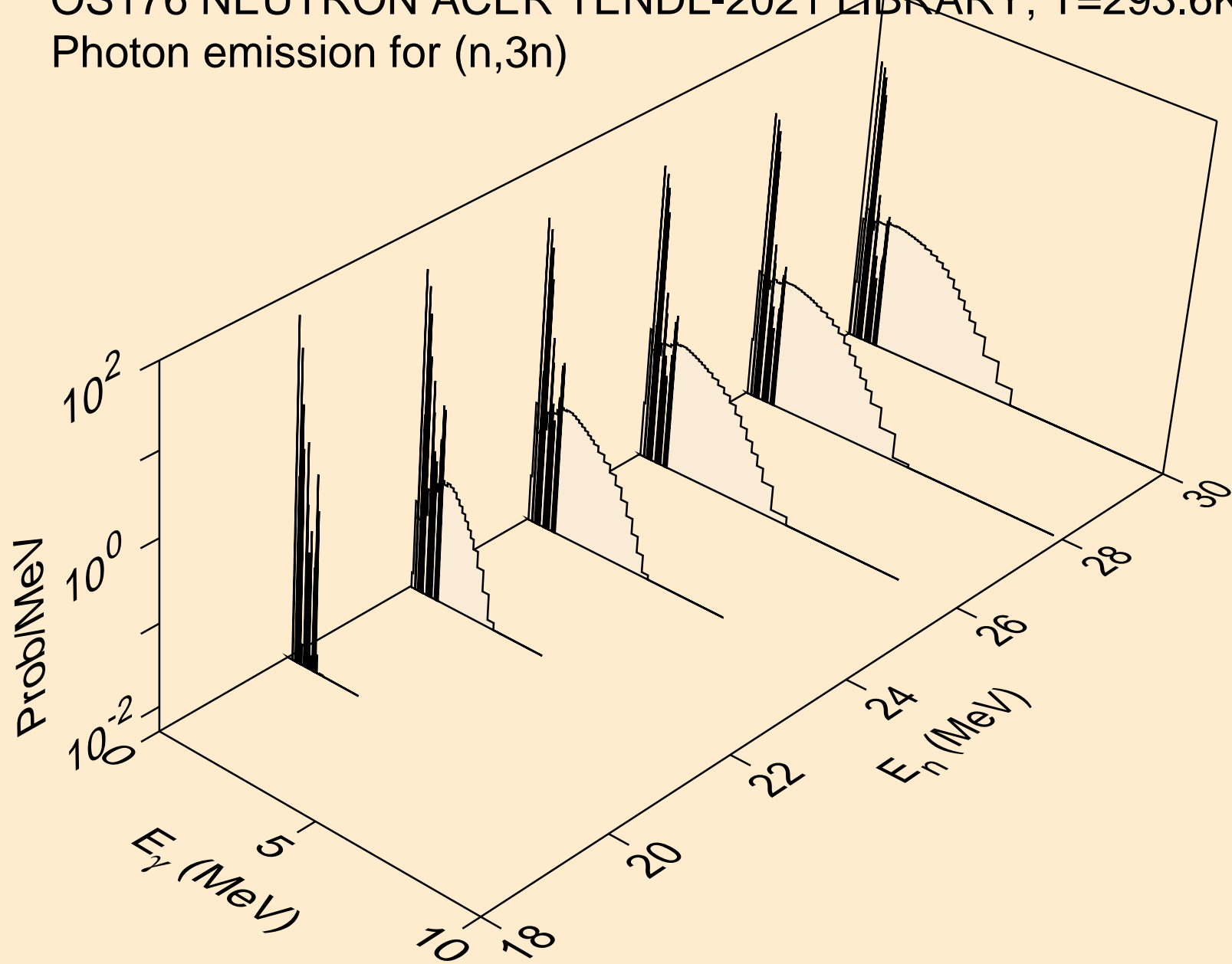
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



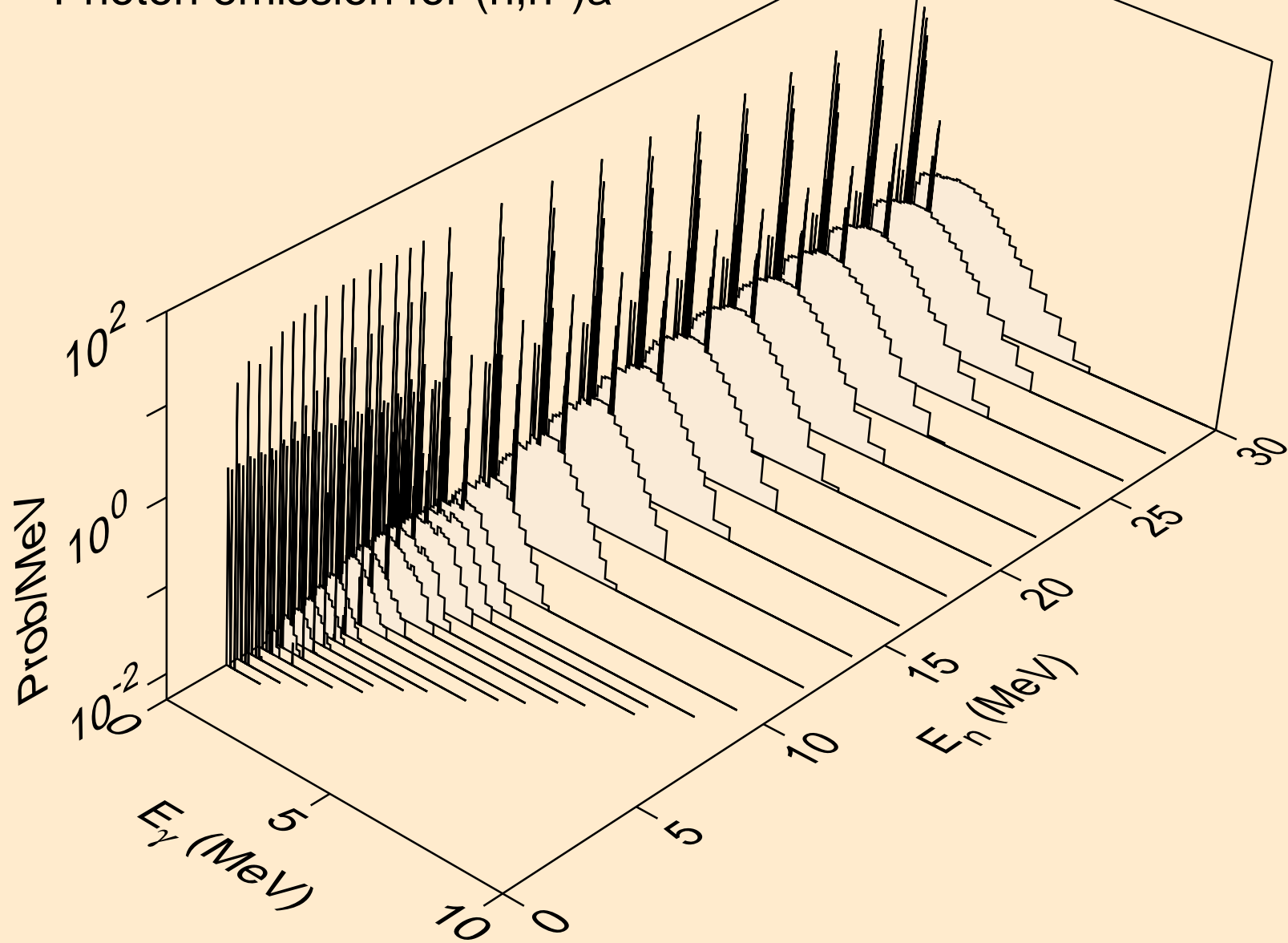
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Photon emission for (n,2n)



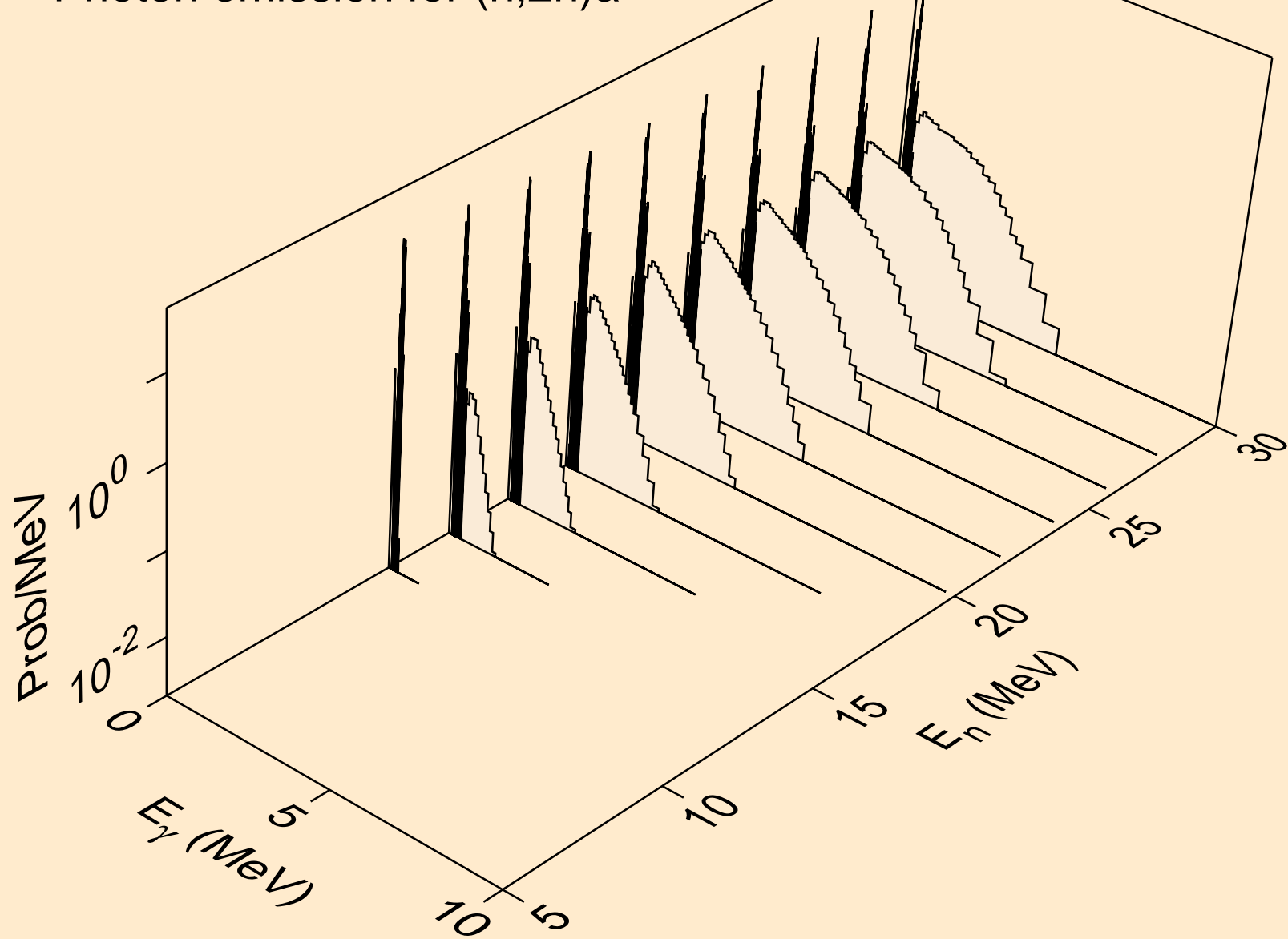
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Photon emission for (n,3n)



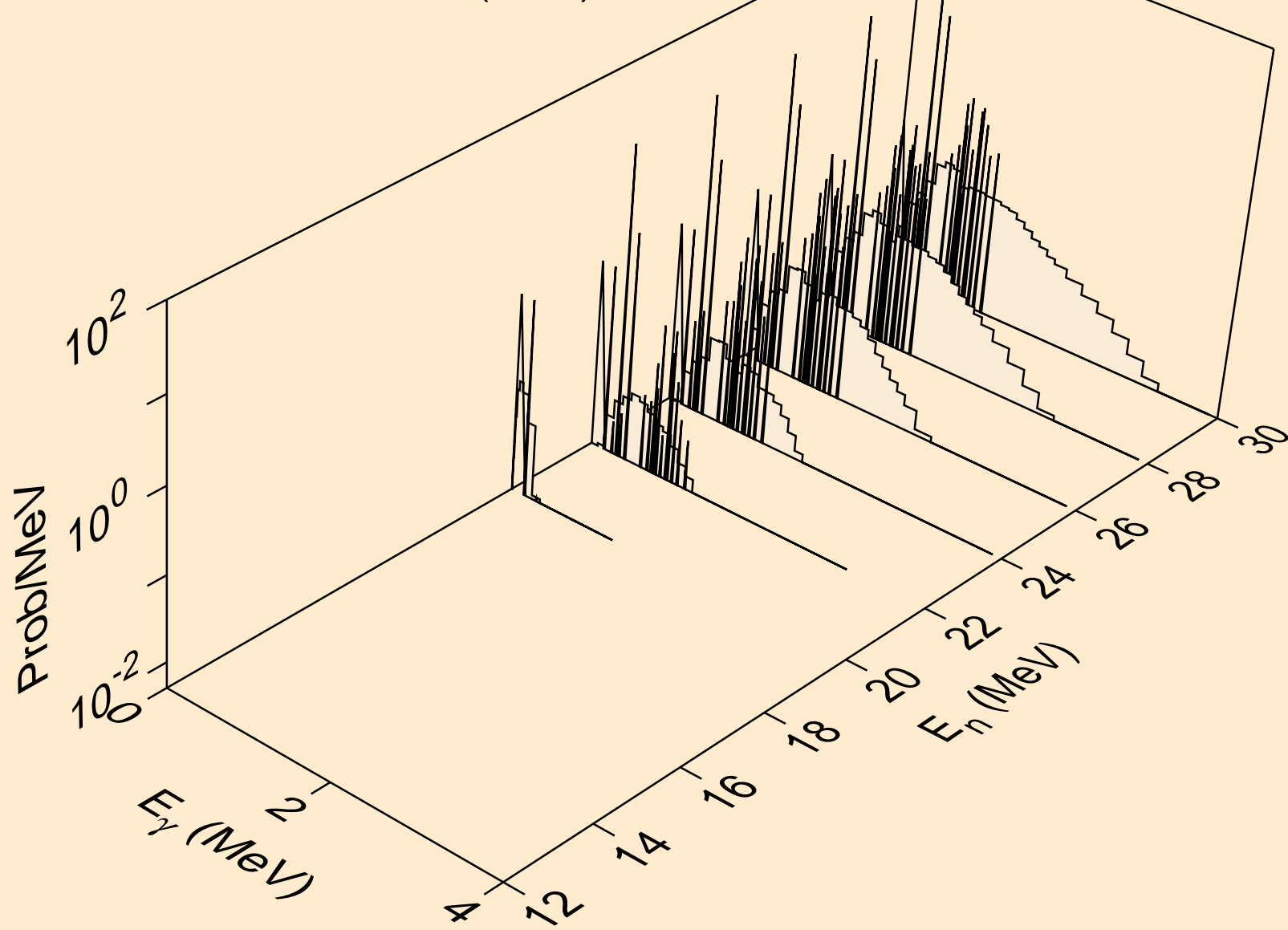
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

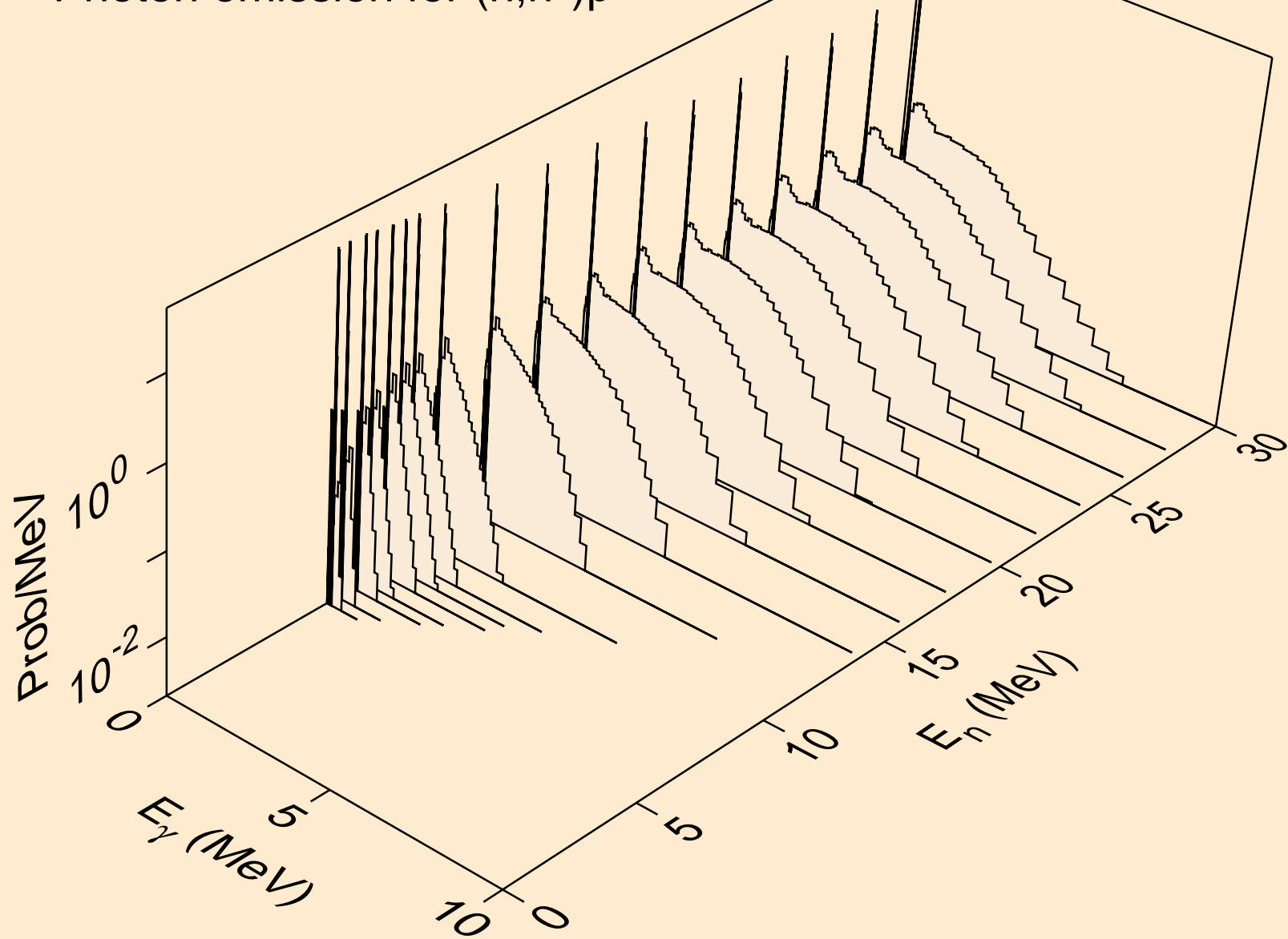


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

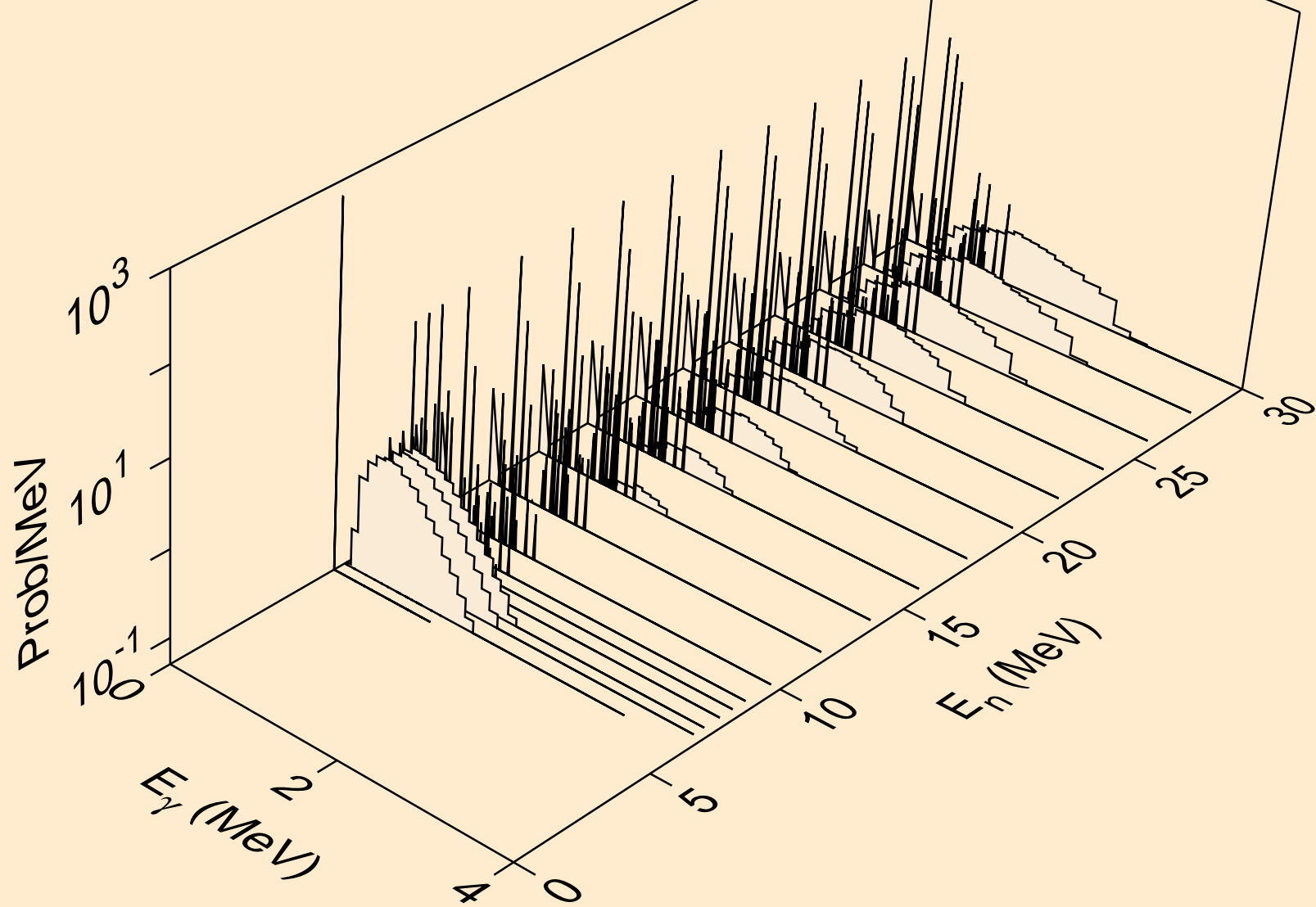




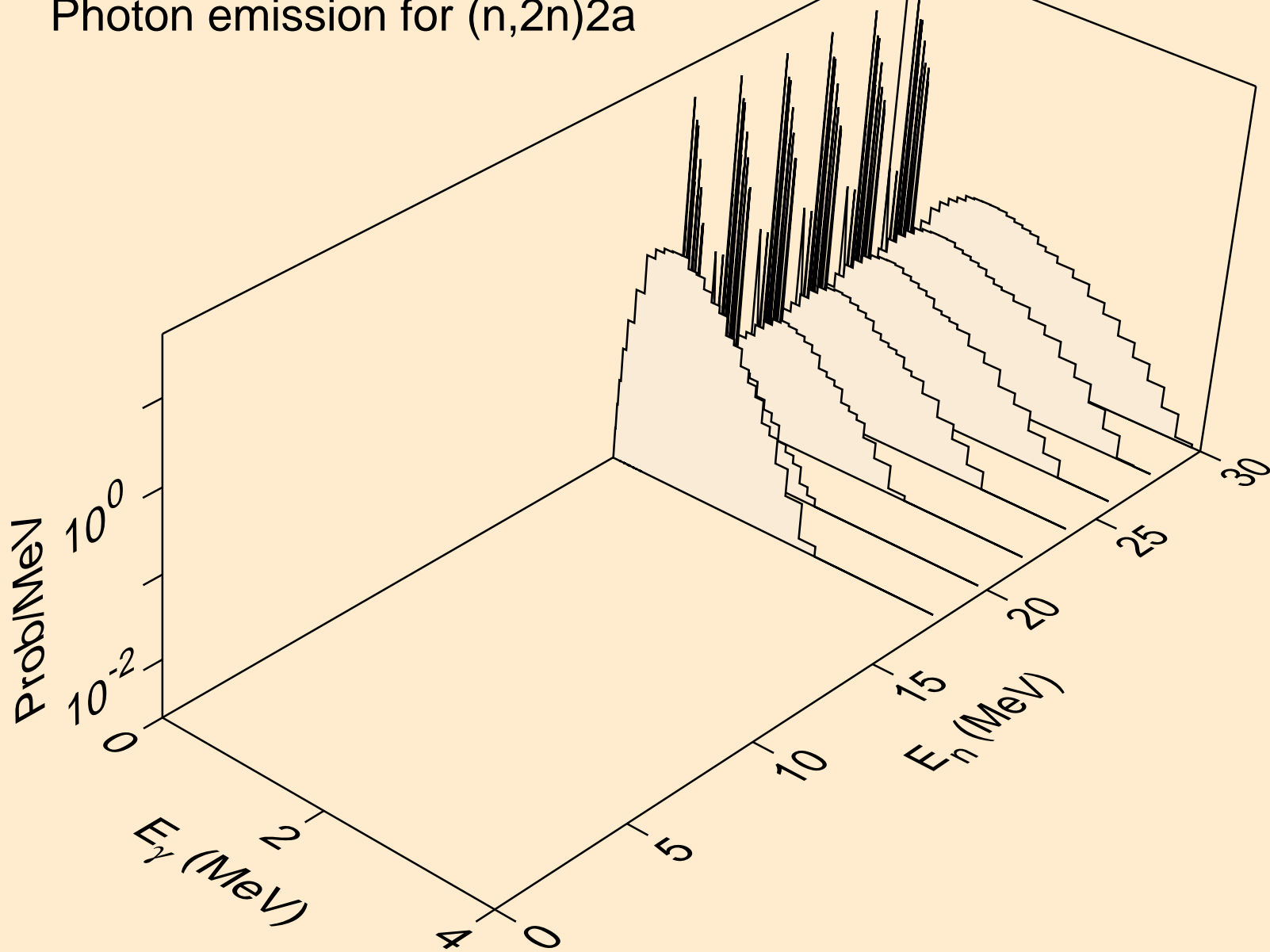
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Photon emission for (n,n\*)p



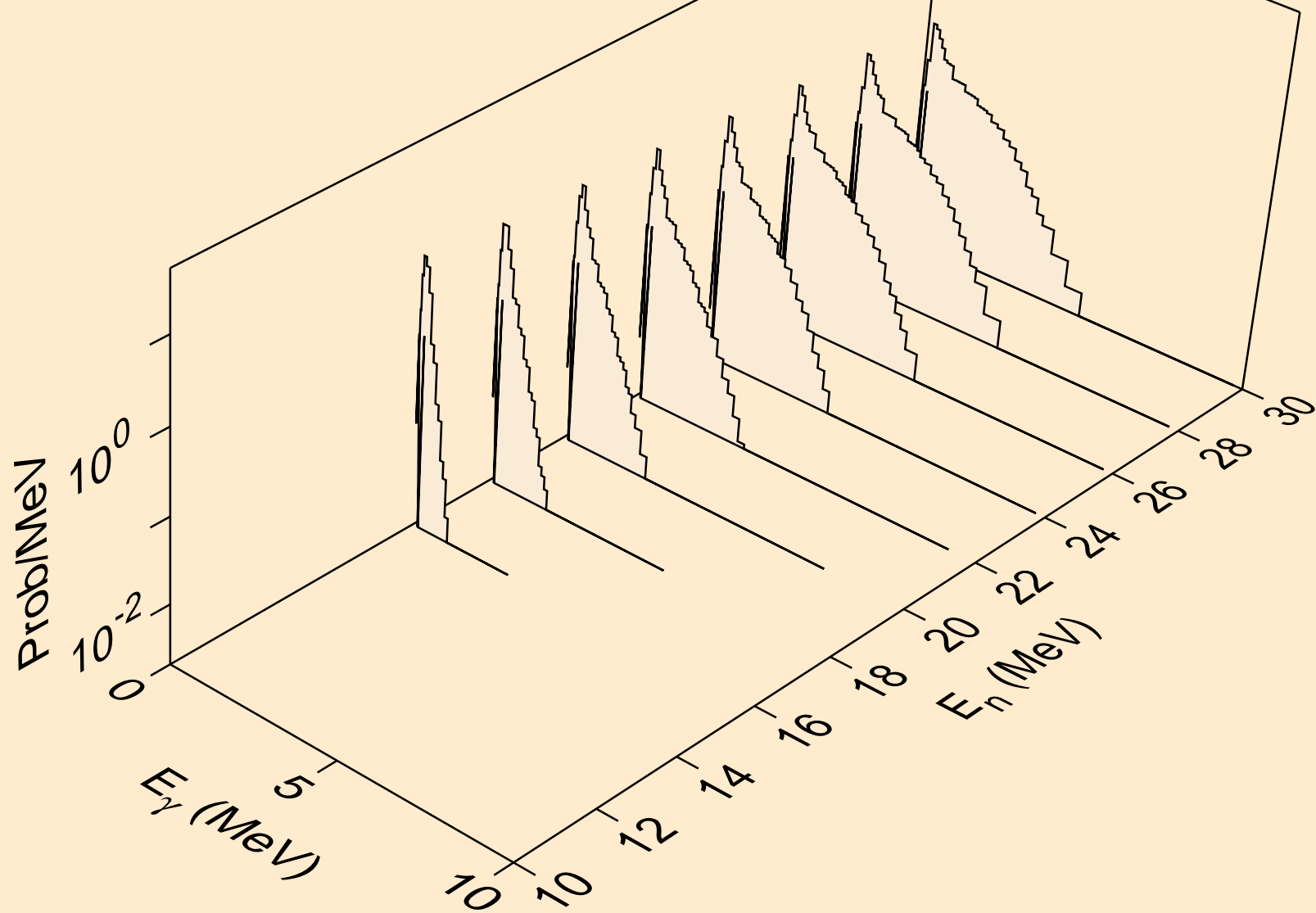
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Photon emission for (n,n\*)2a



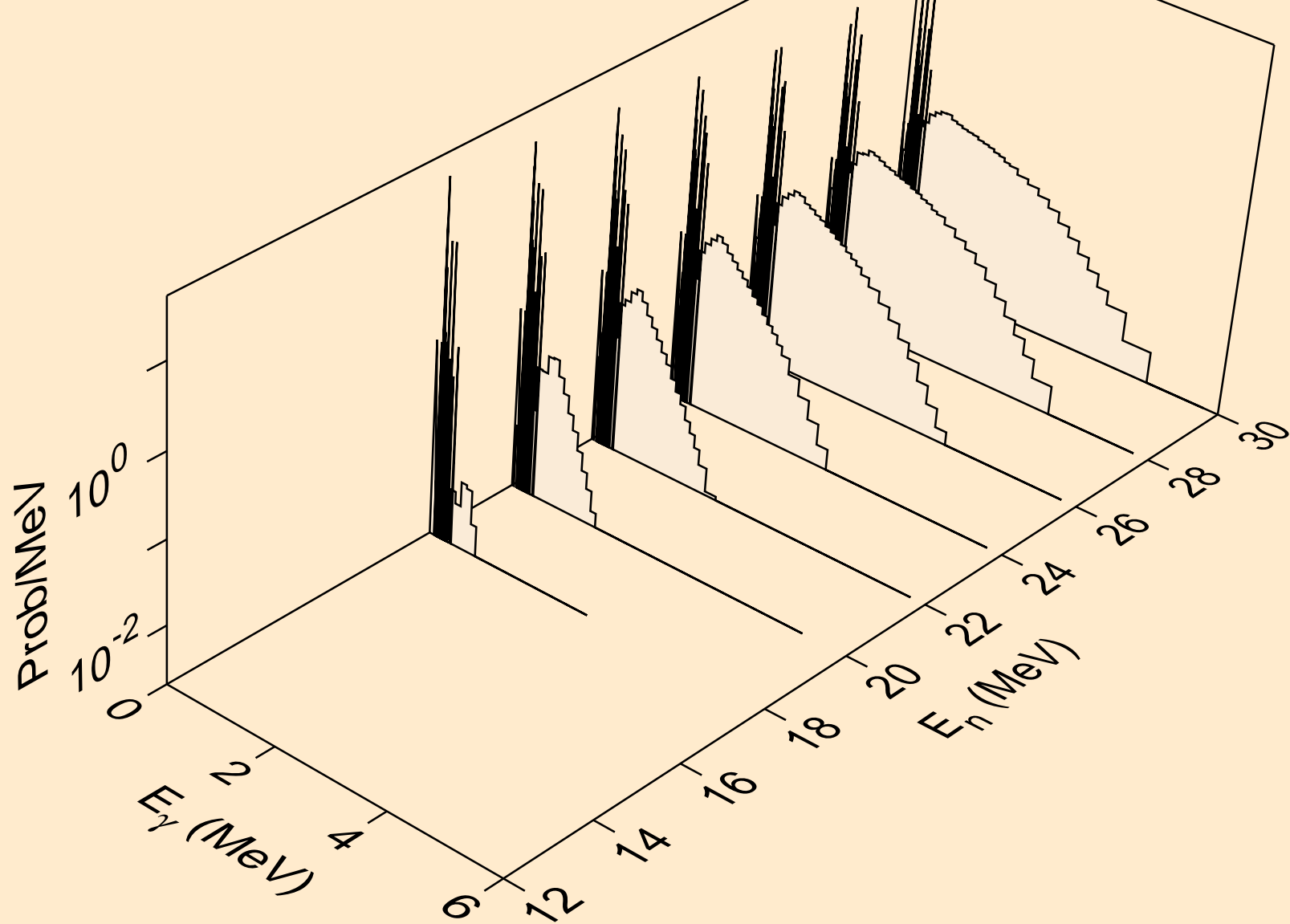
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



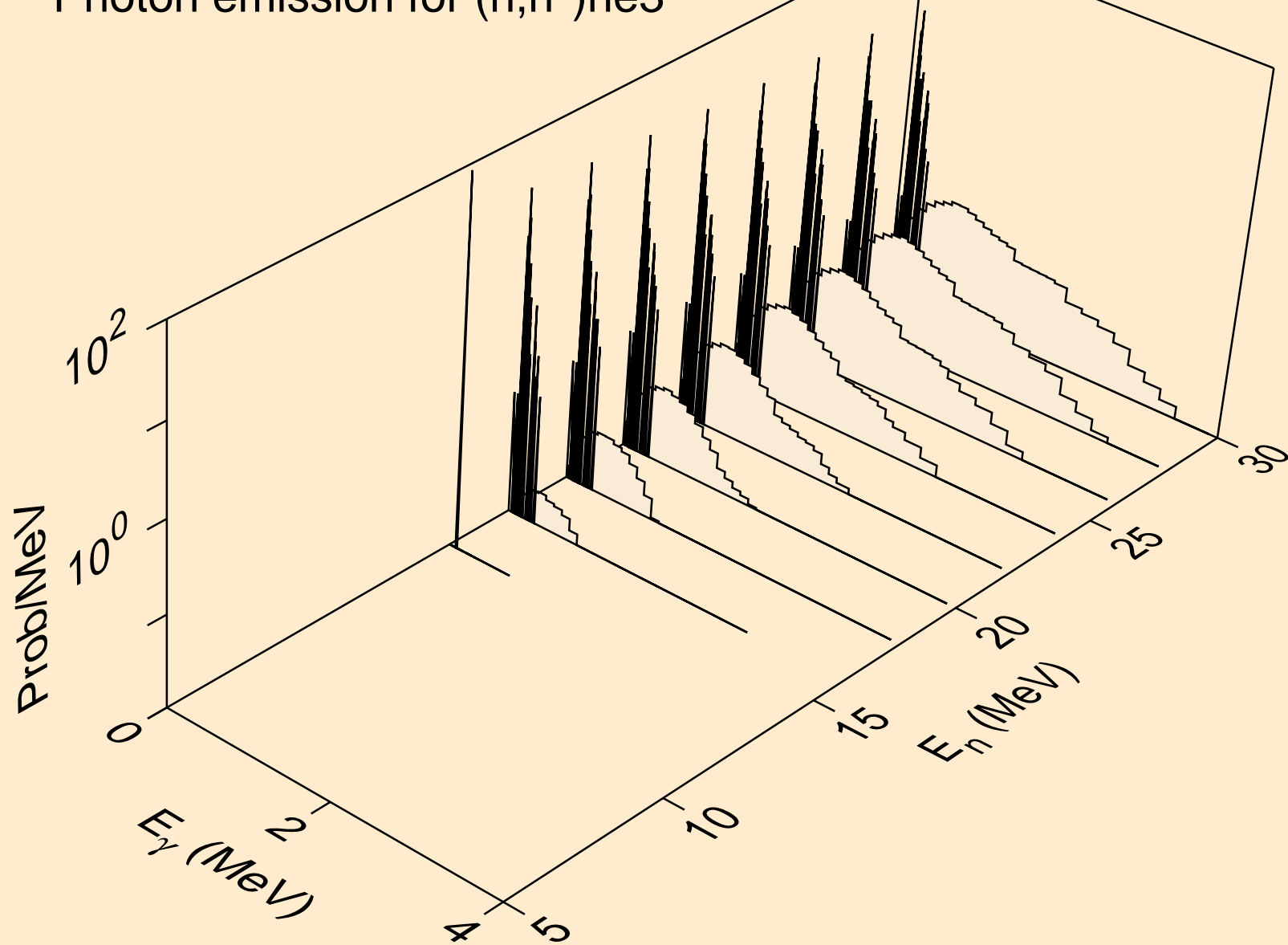
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



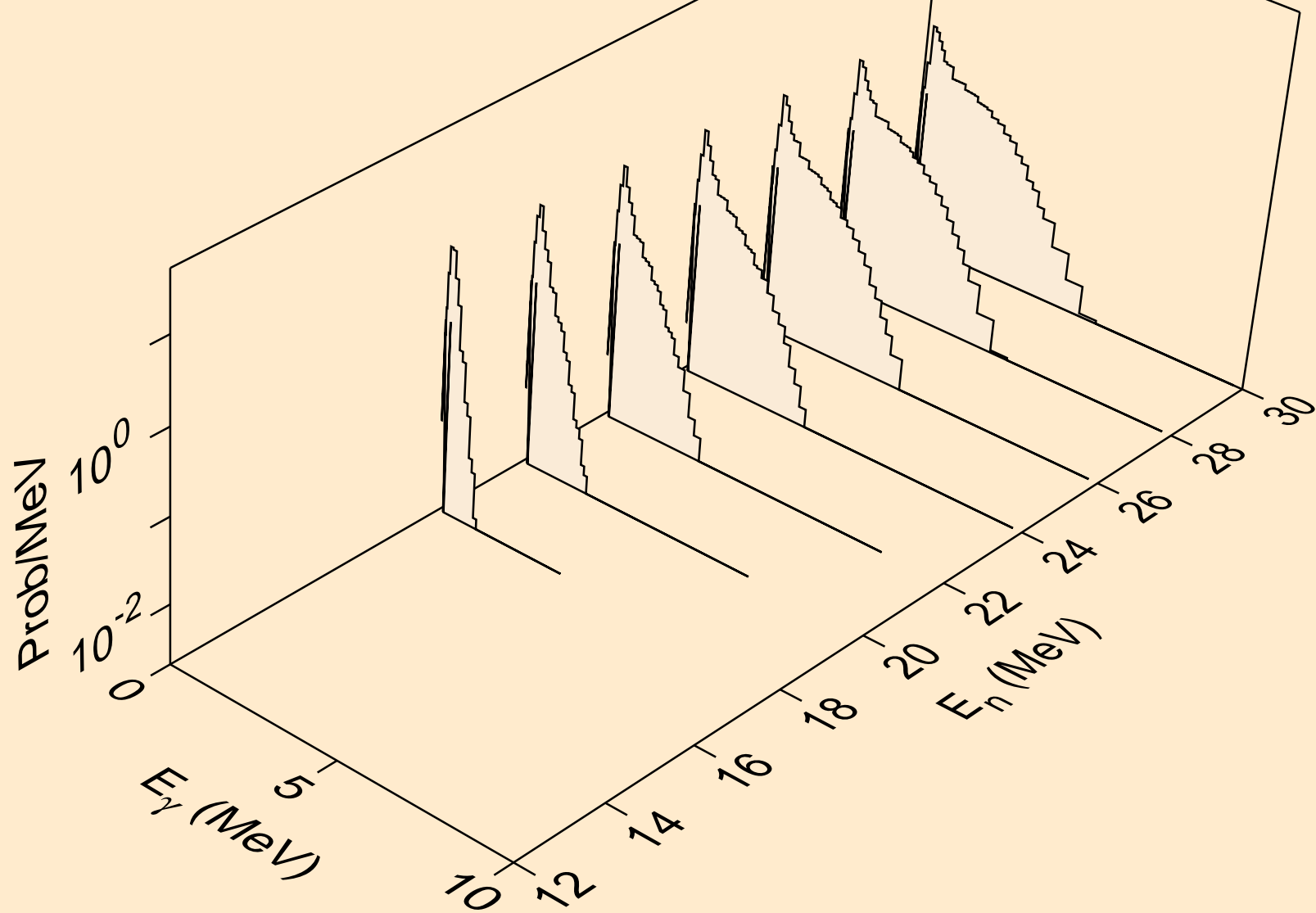
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



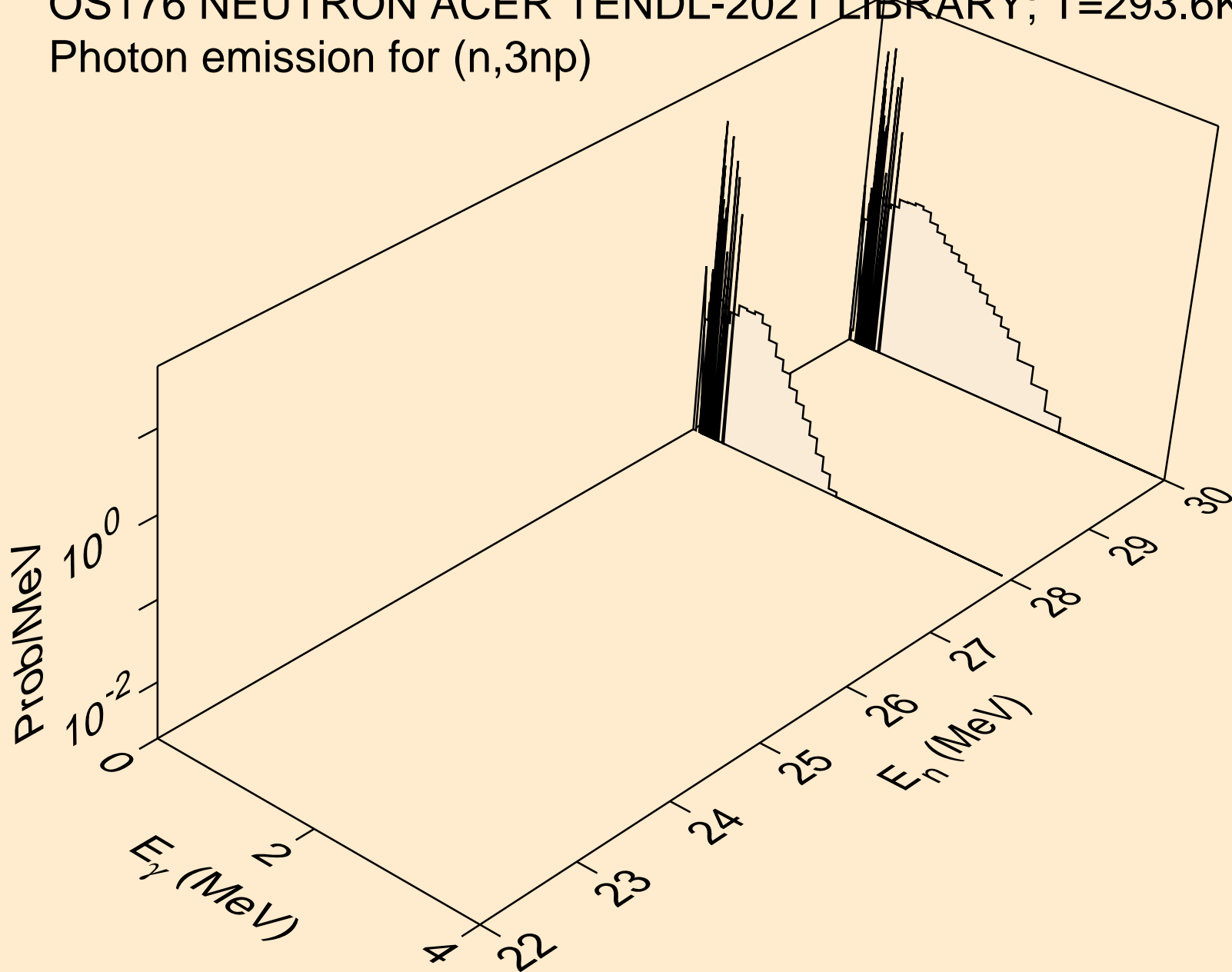
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

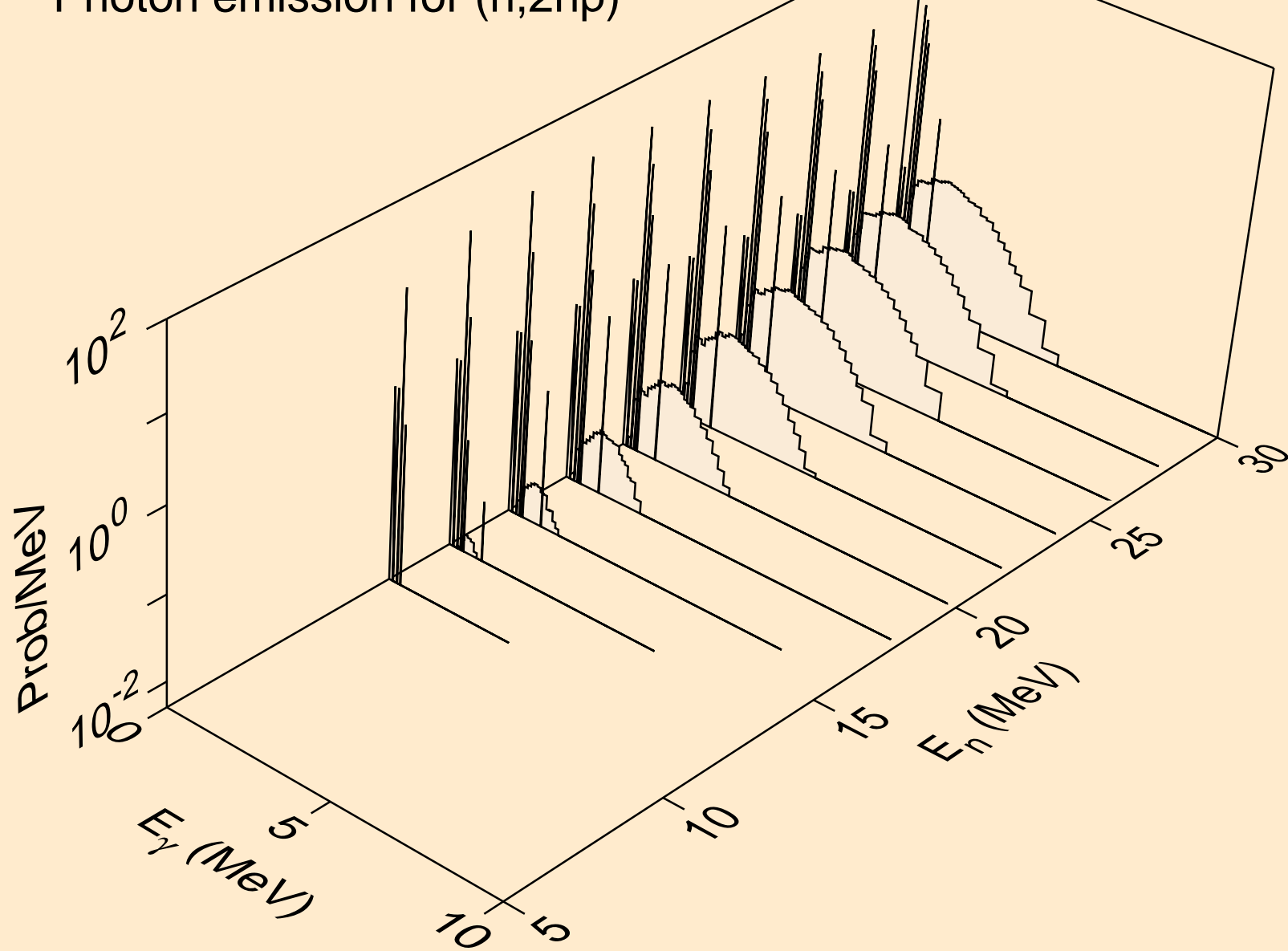


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Photon emission for (n,3np)

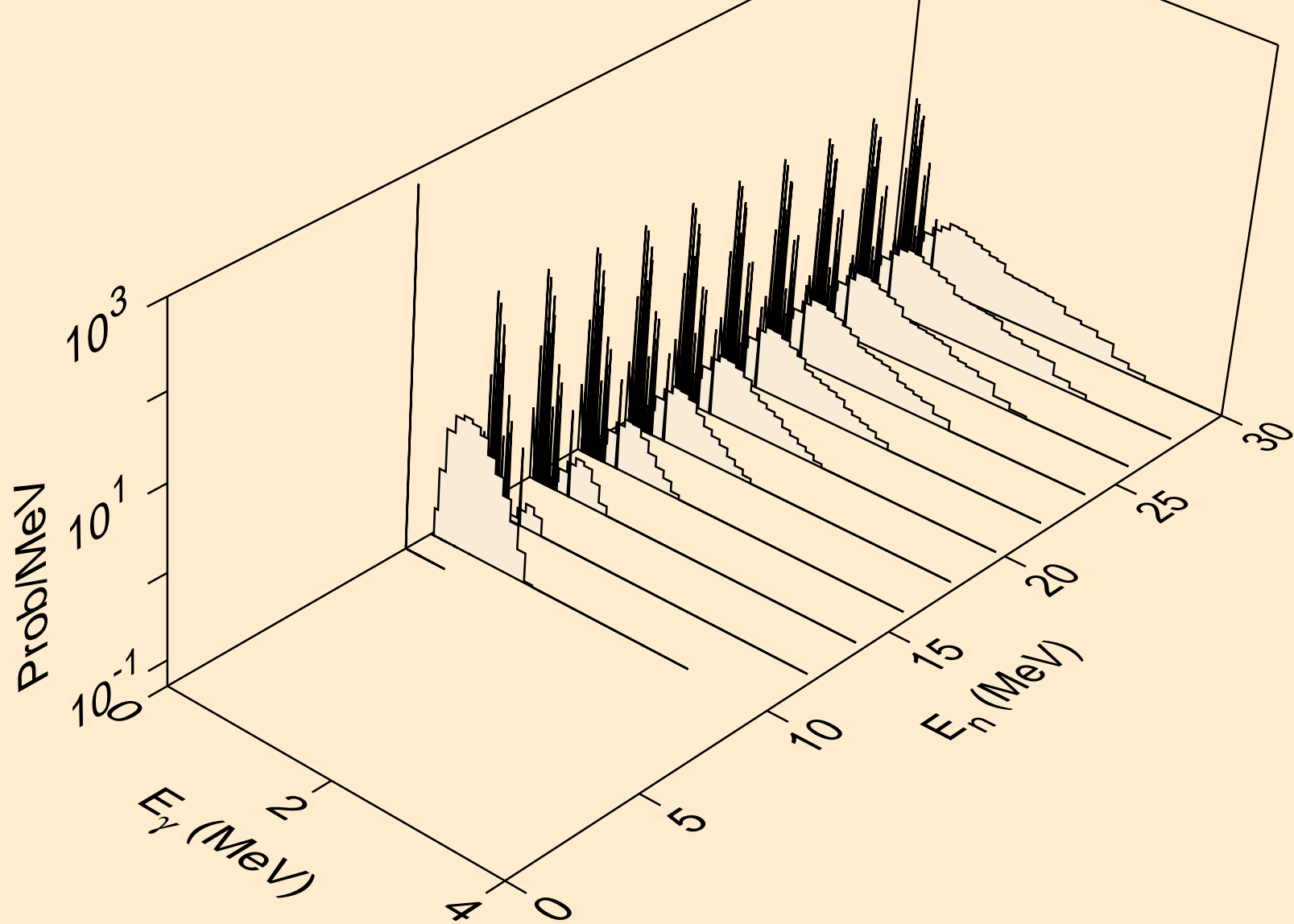




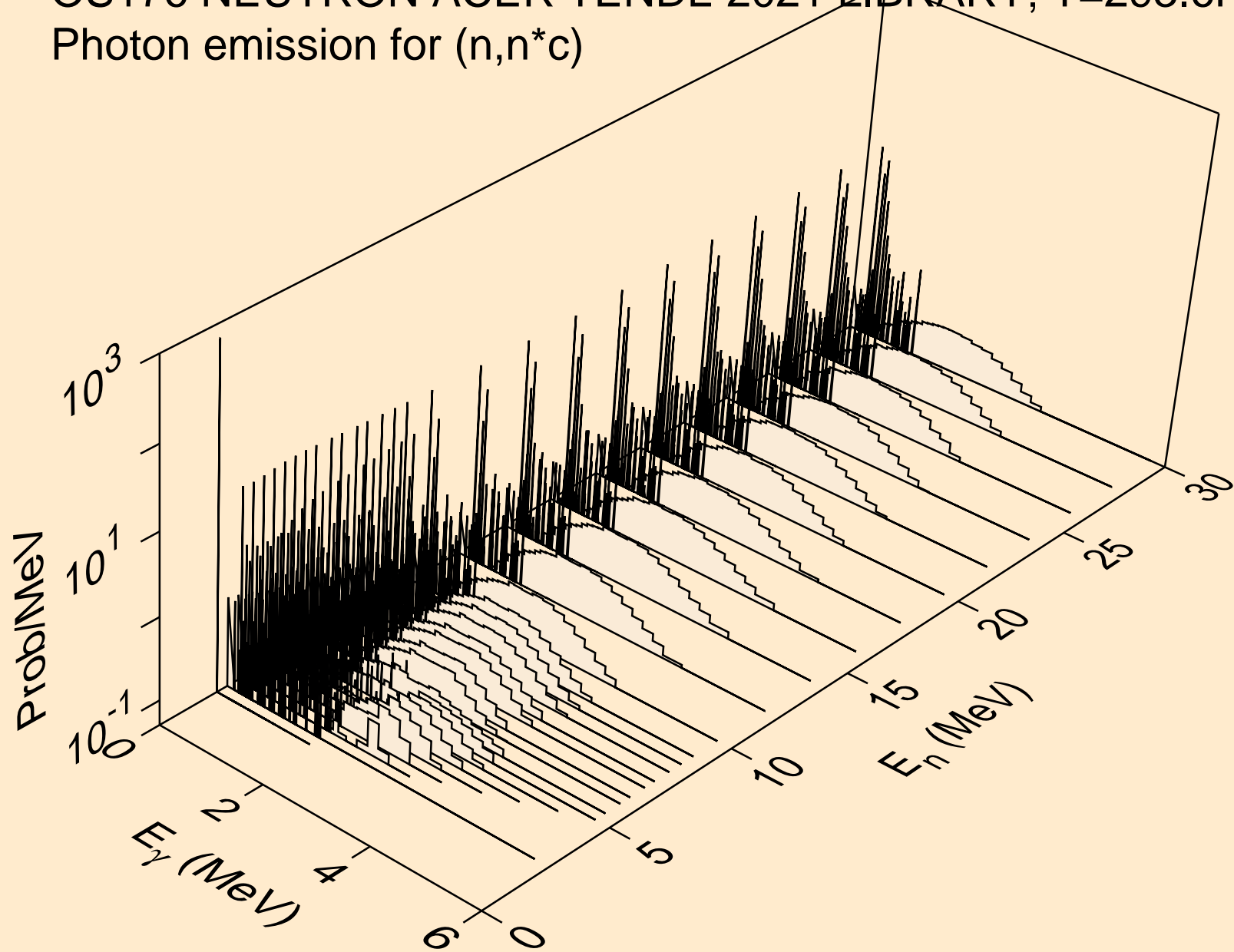
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Photon emission for (n,2np)



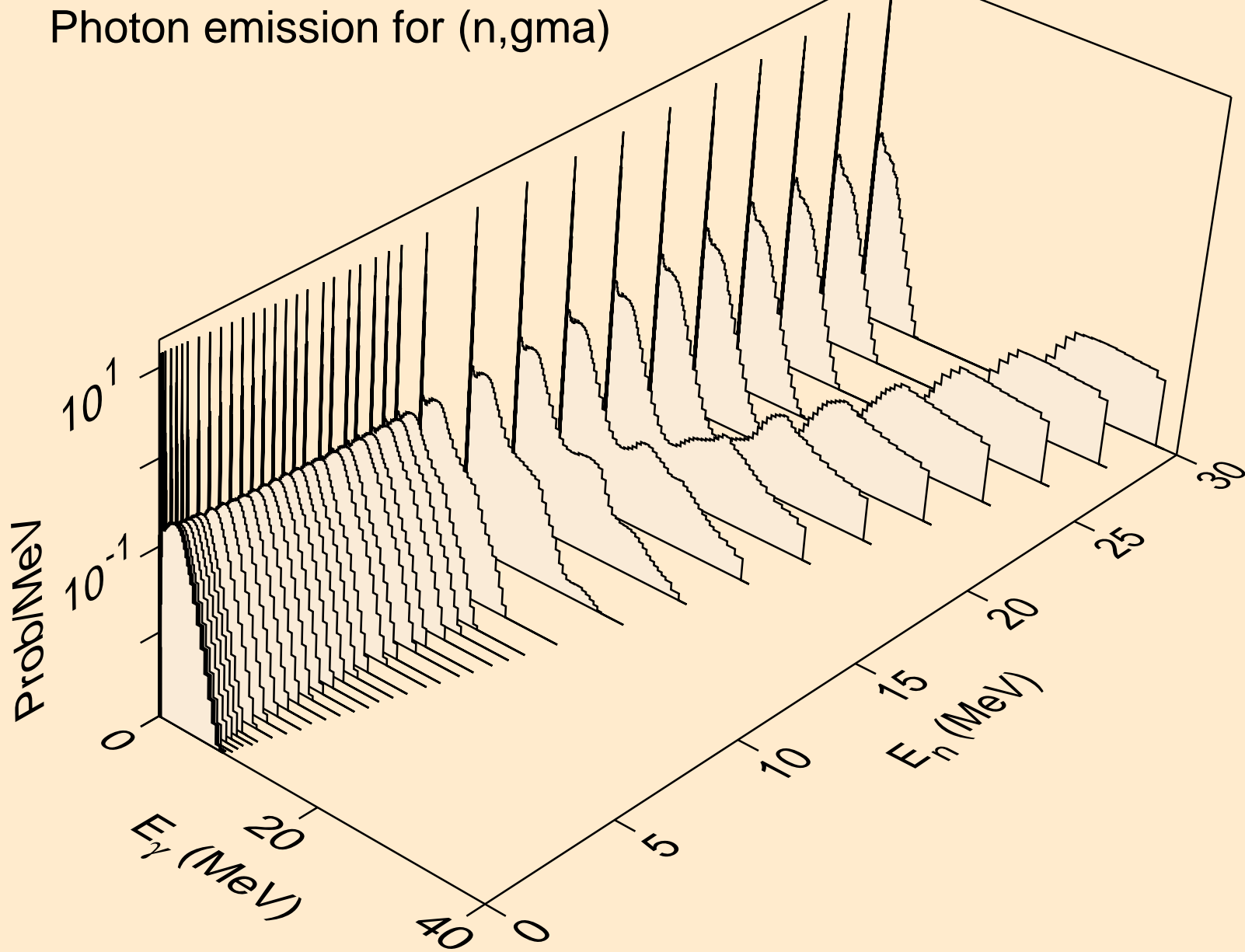
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Photon emission for (n,npa)



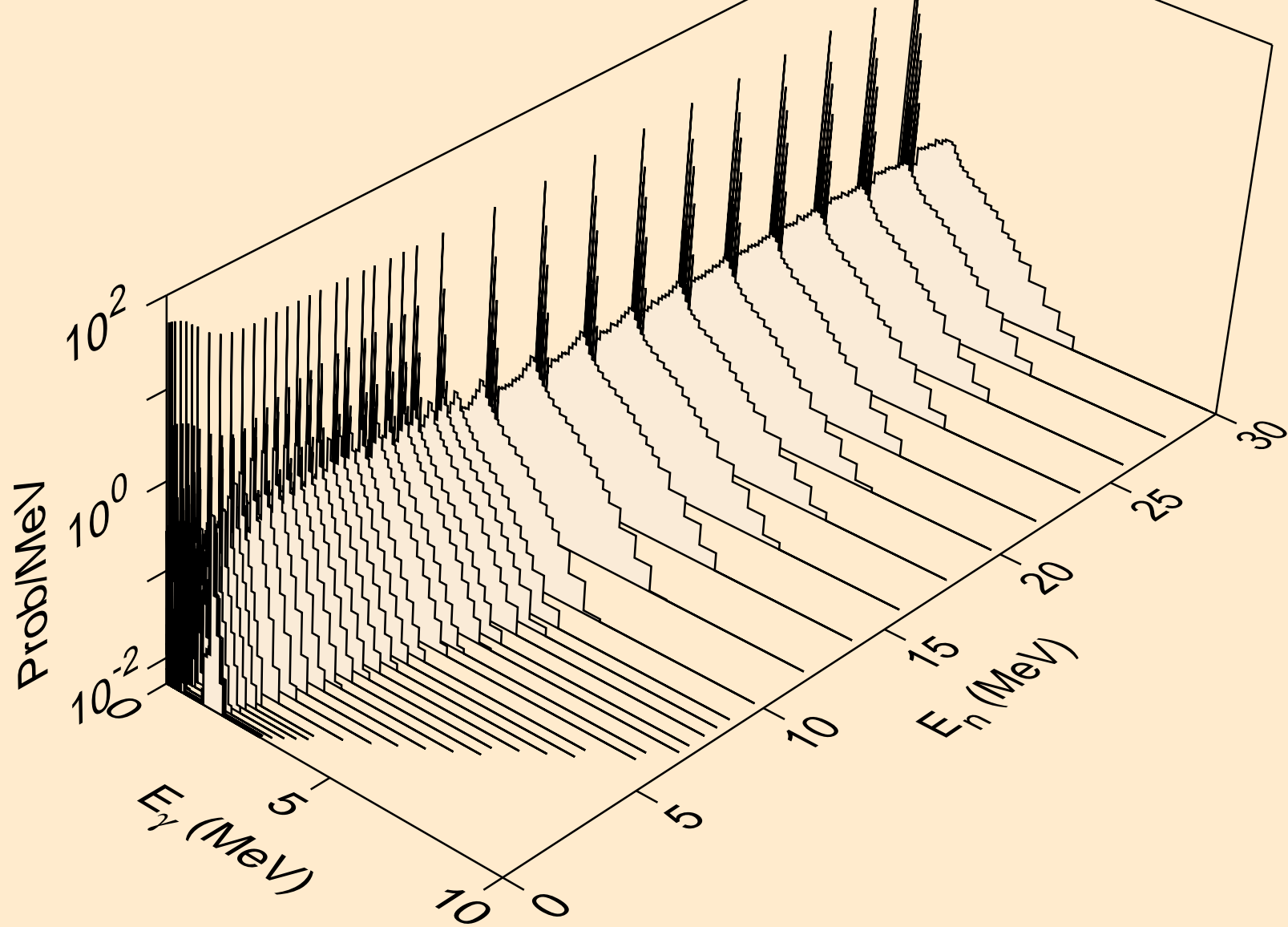
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



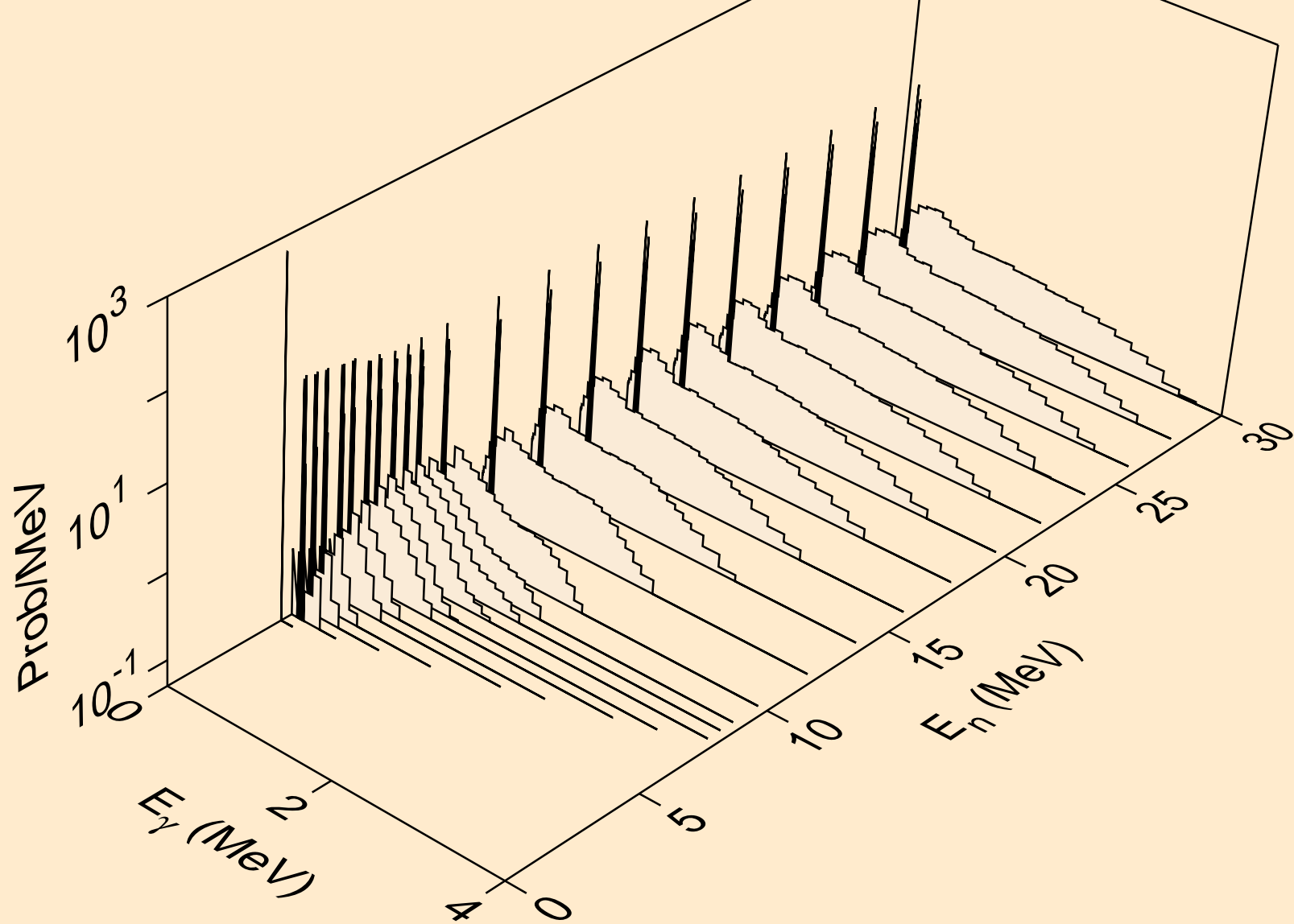
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Photon emission for (n,gma)



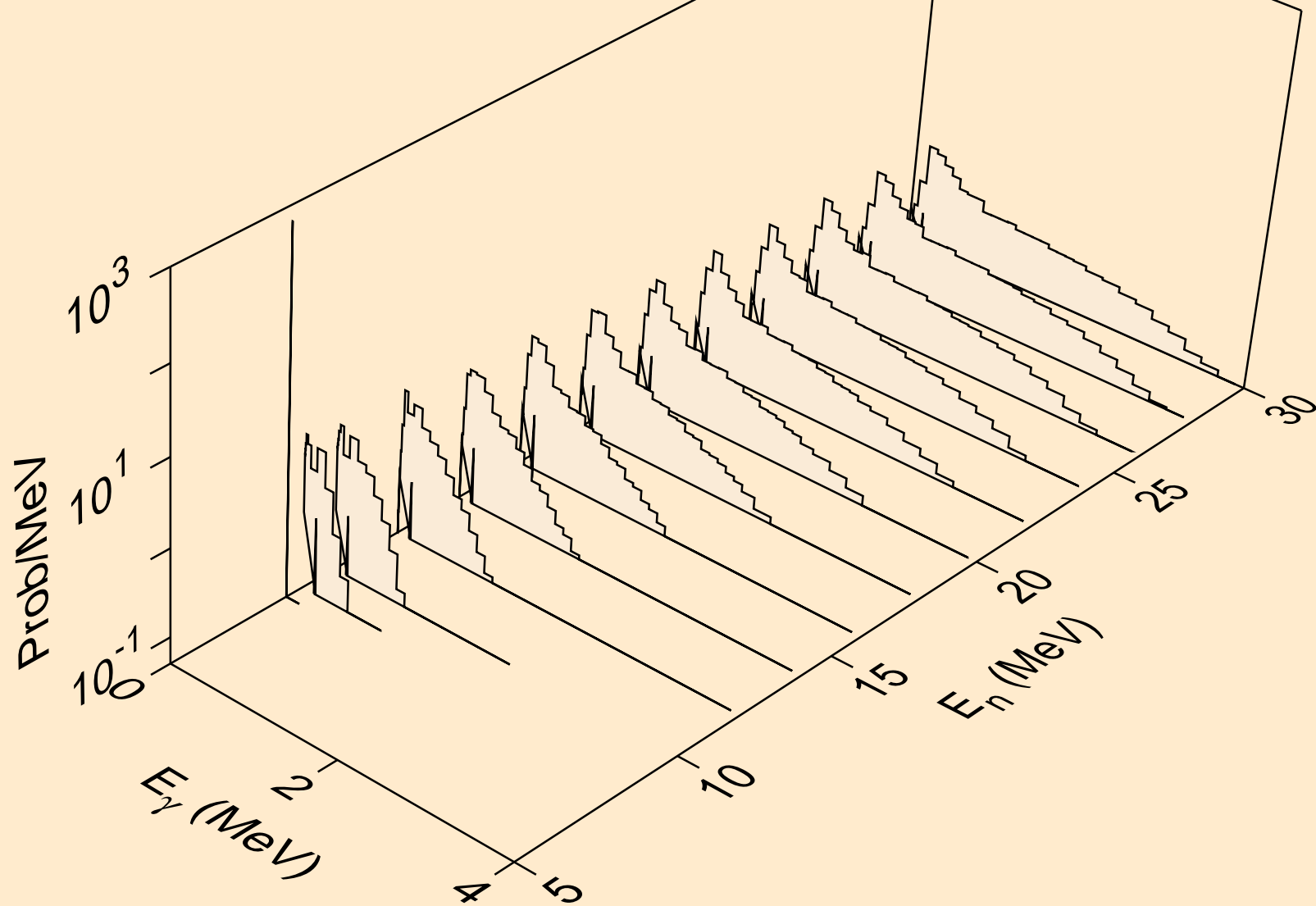
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Photon emission for (n,p)



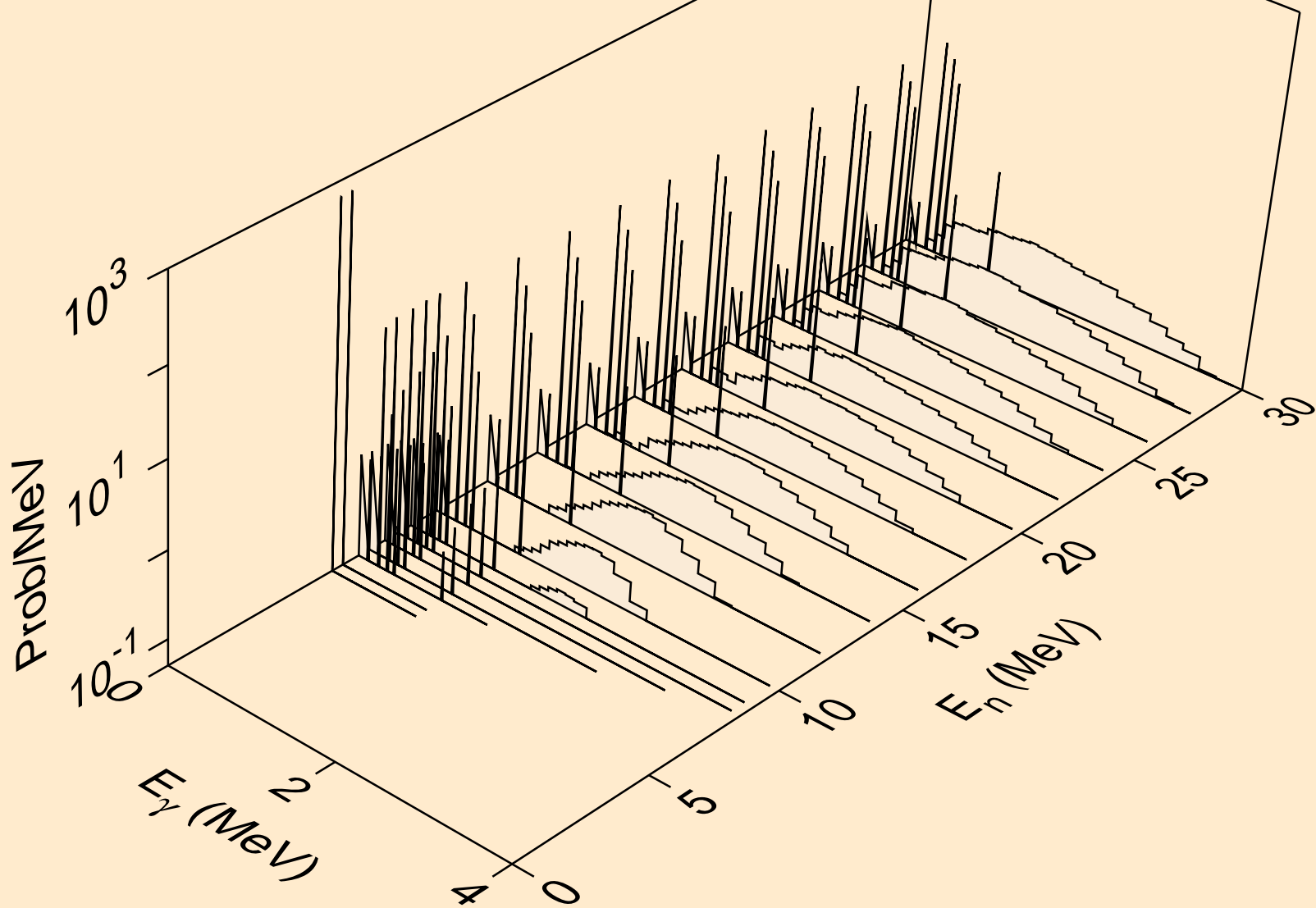
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

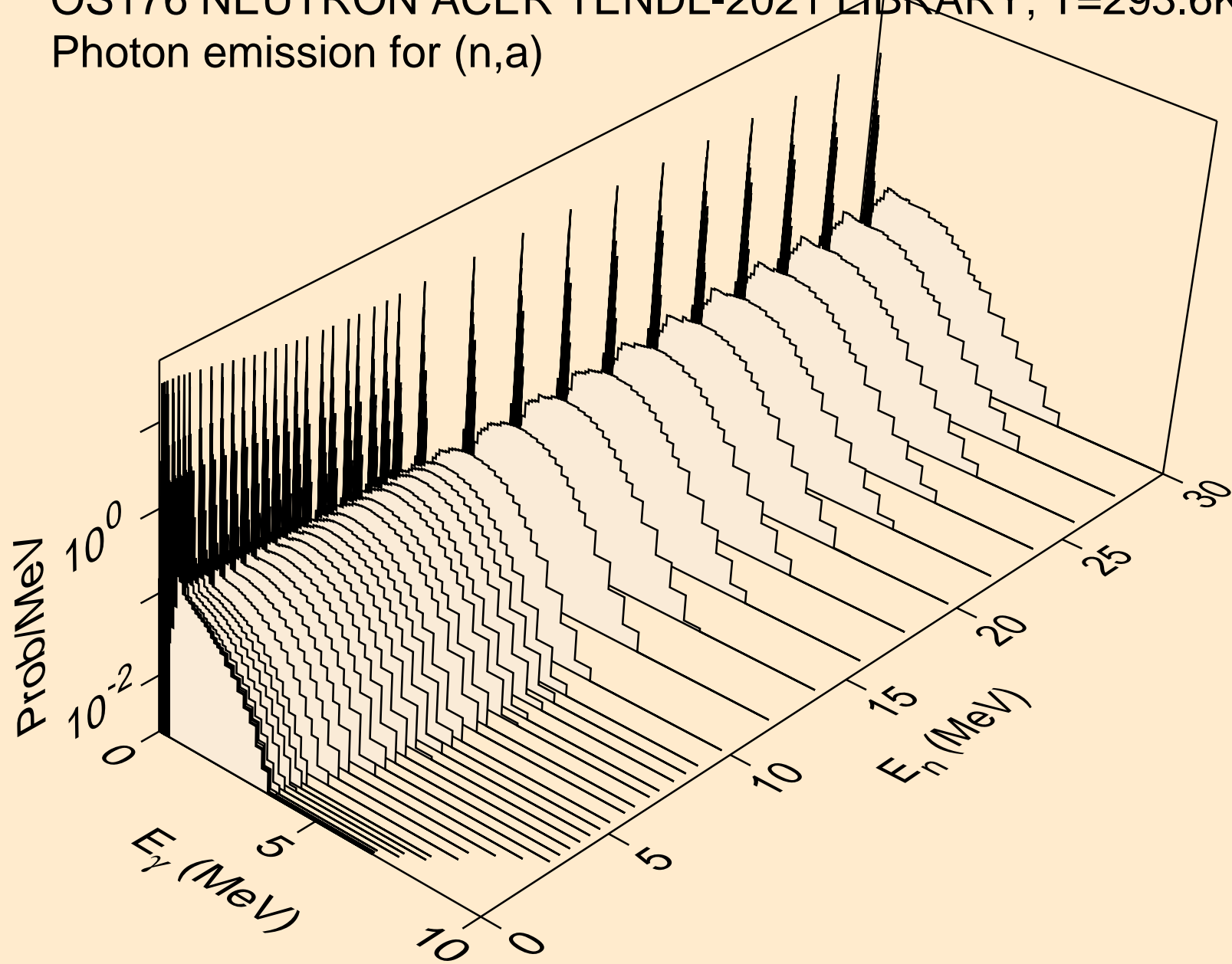


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Photon emission for (n,he3)

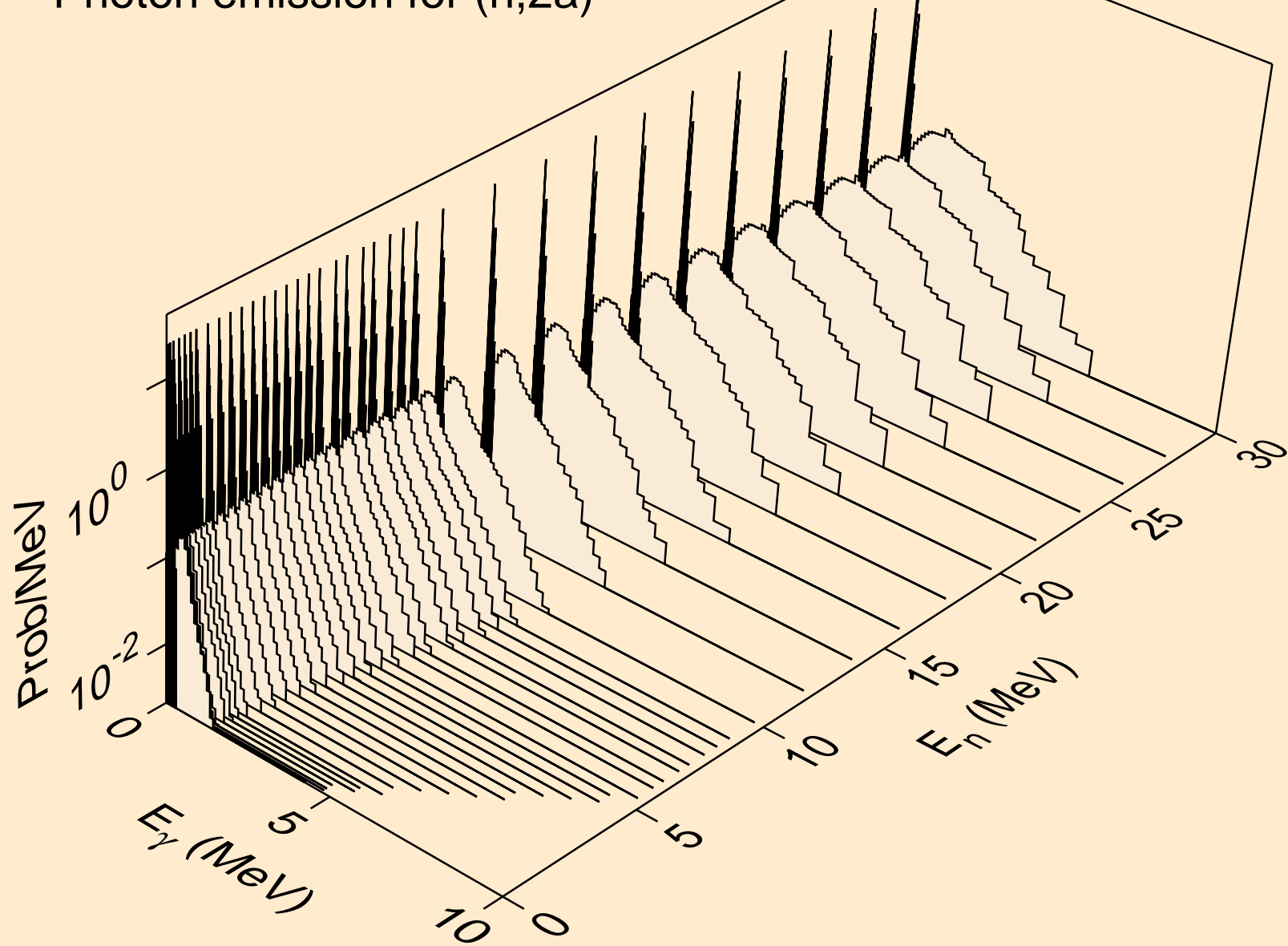




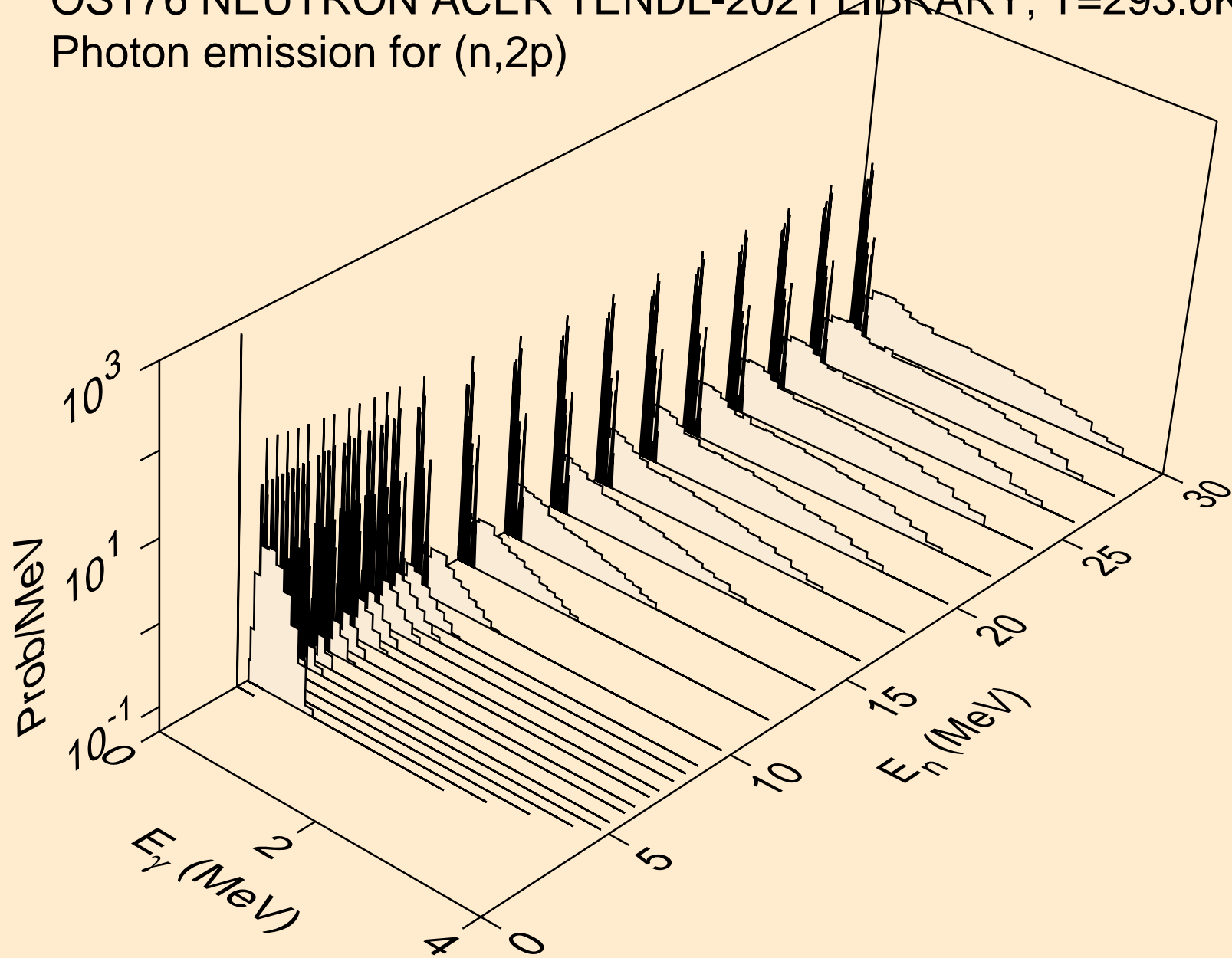
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Photon emission for (n,a)



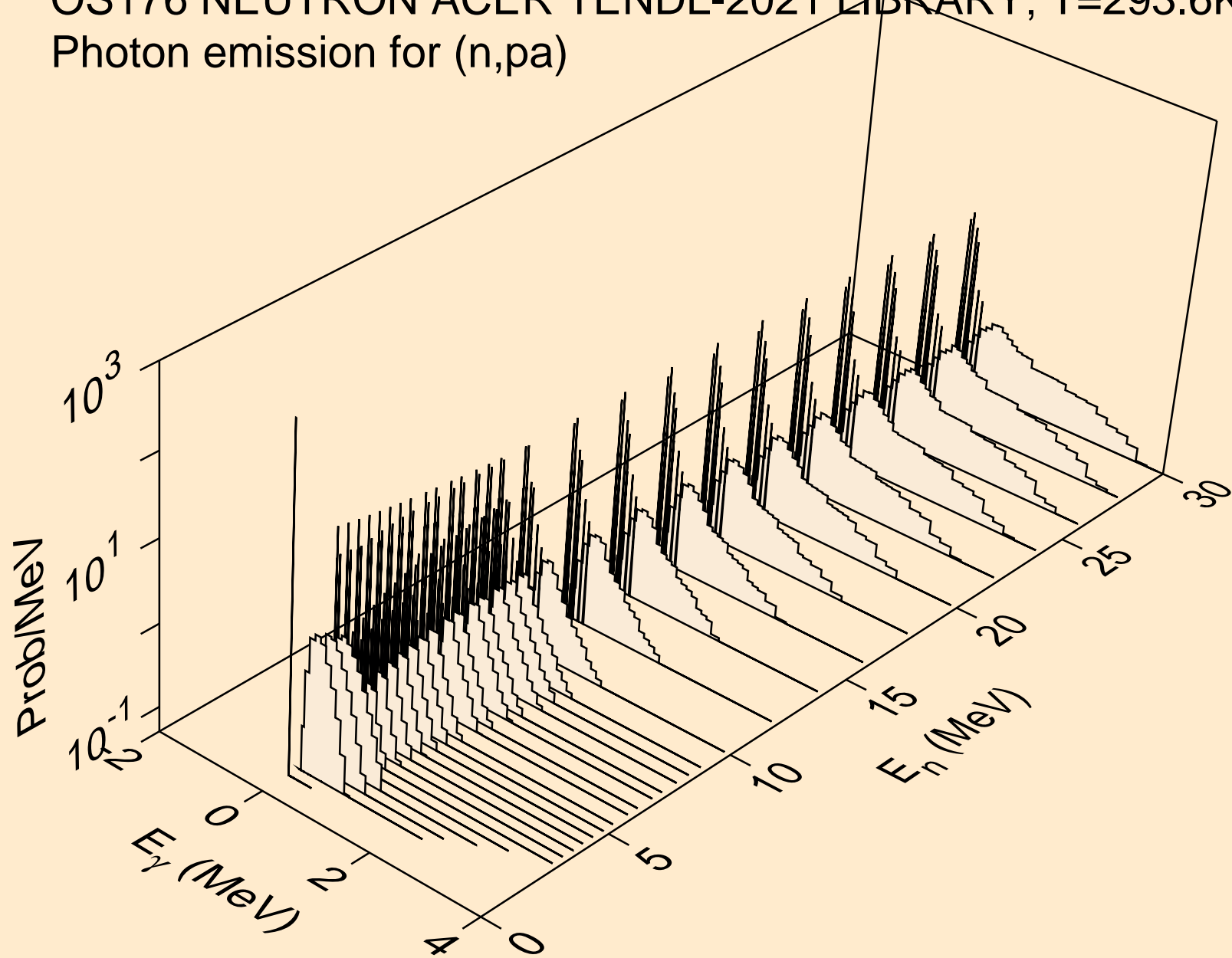
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Photon emission for (n,2a)



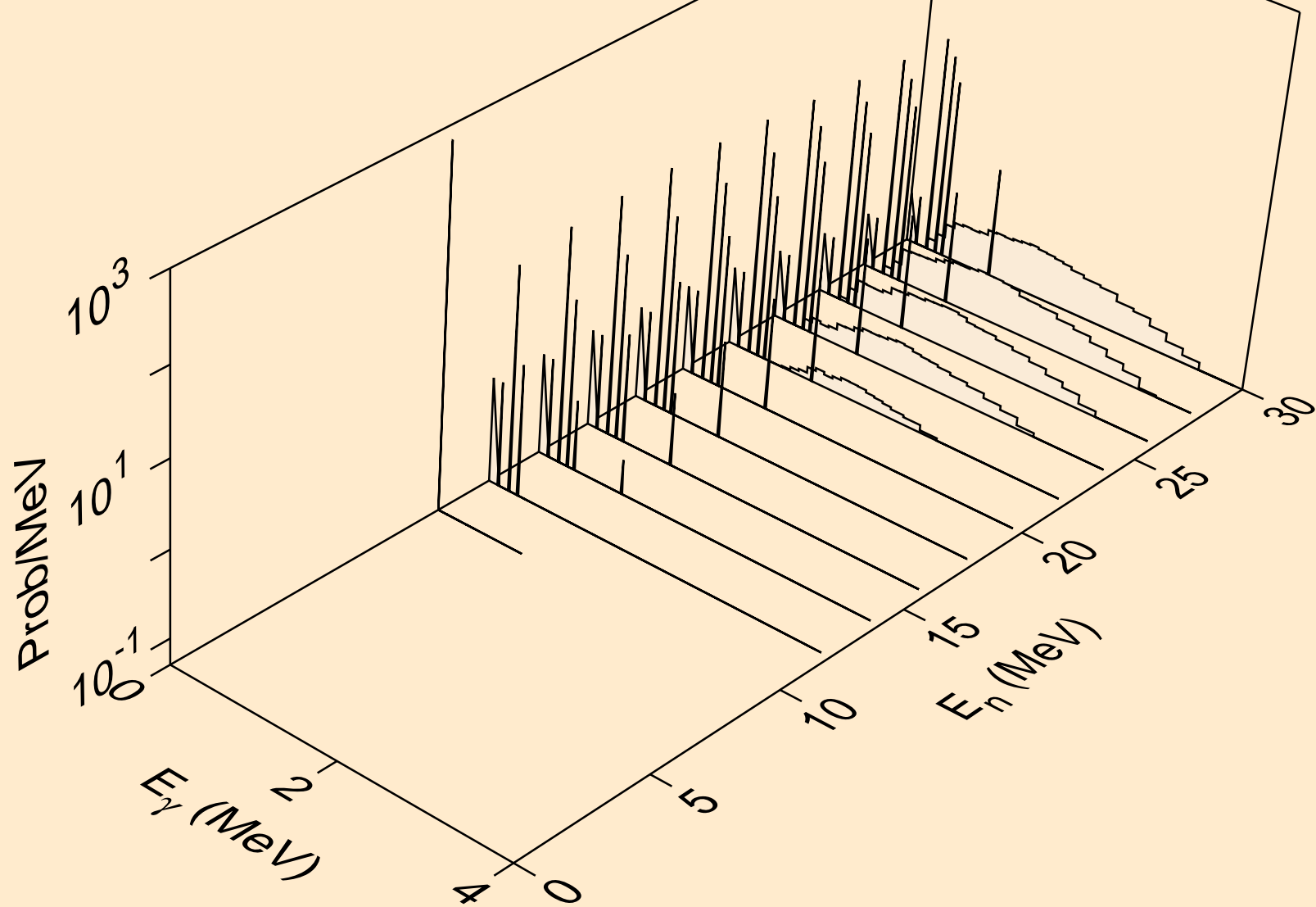
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Photon emission for (n,2p)



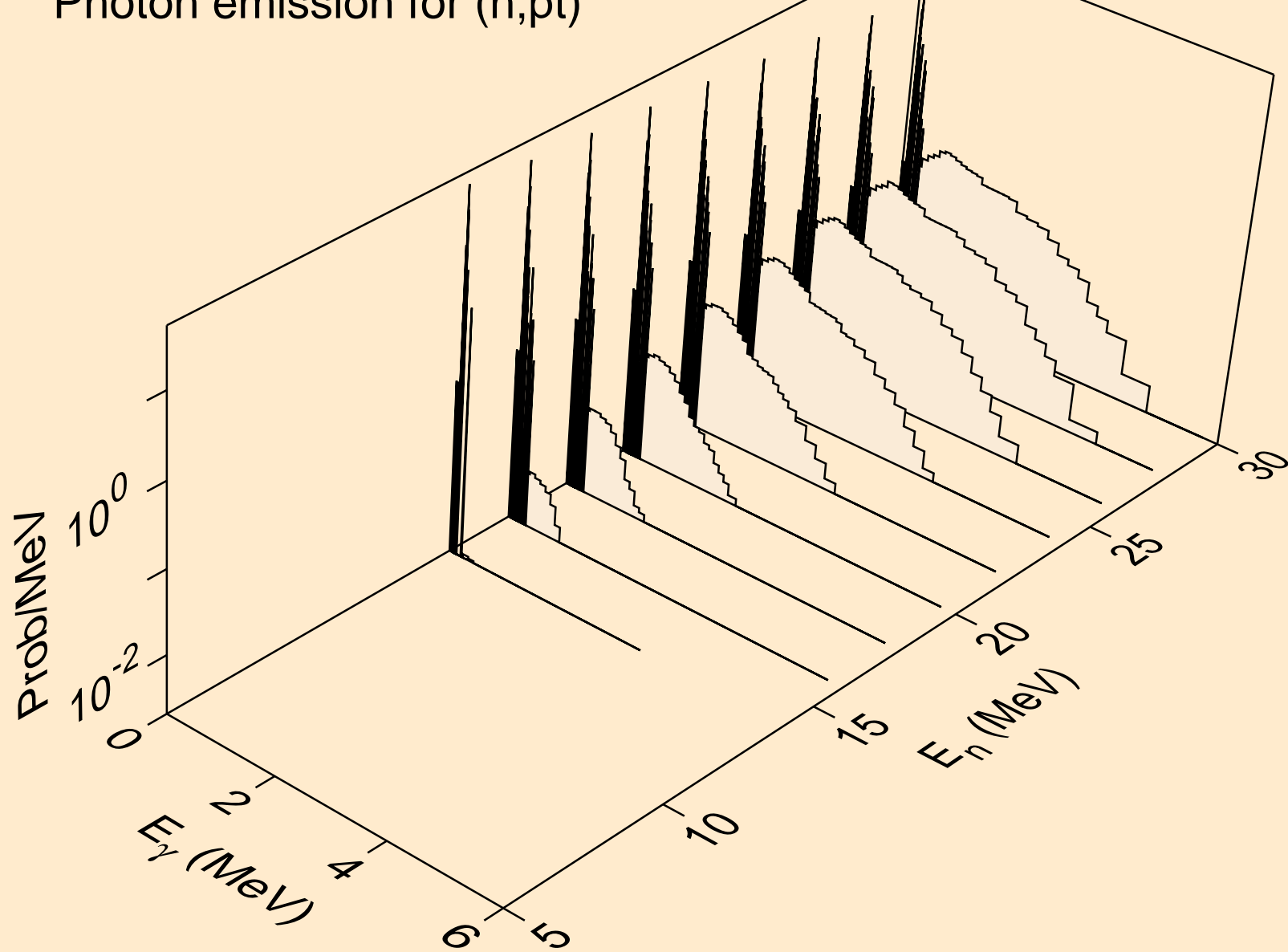
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Photon emission for (n,p $\alpha$ )



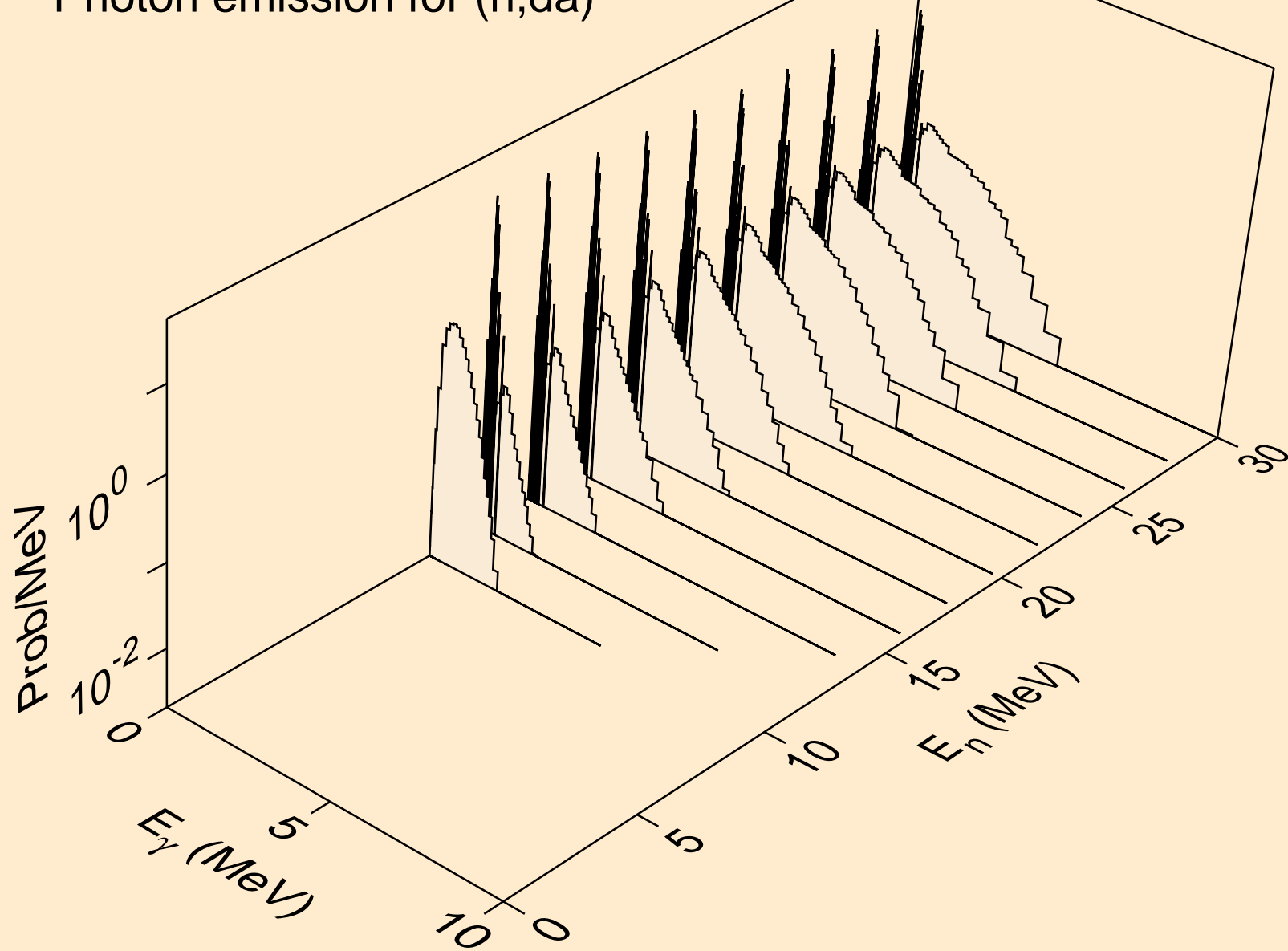
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Photon emission for (n,pd)



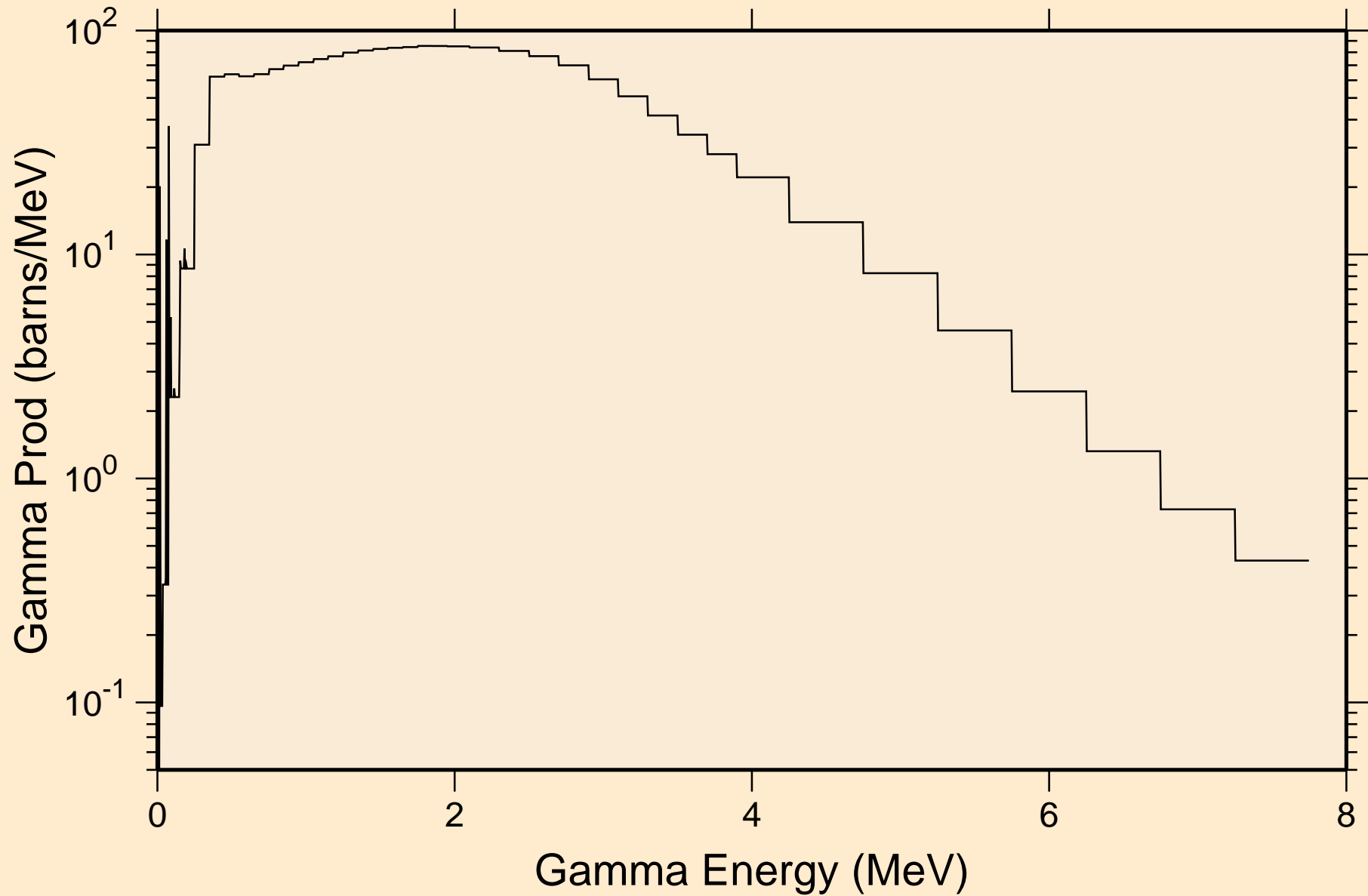
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

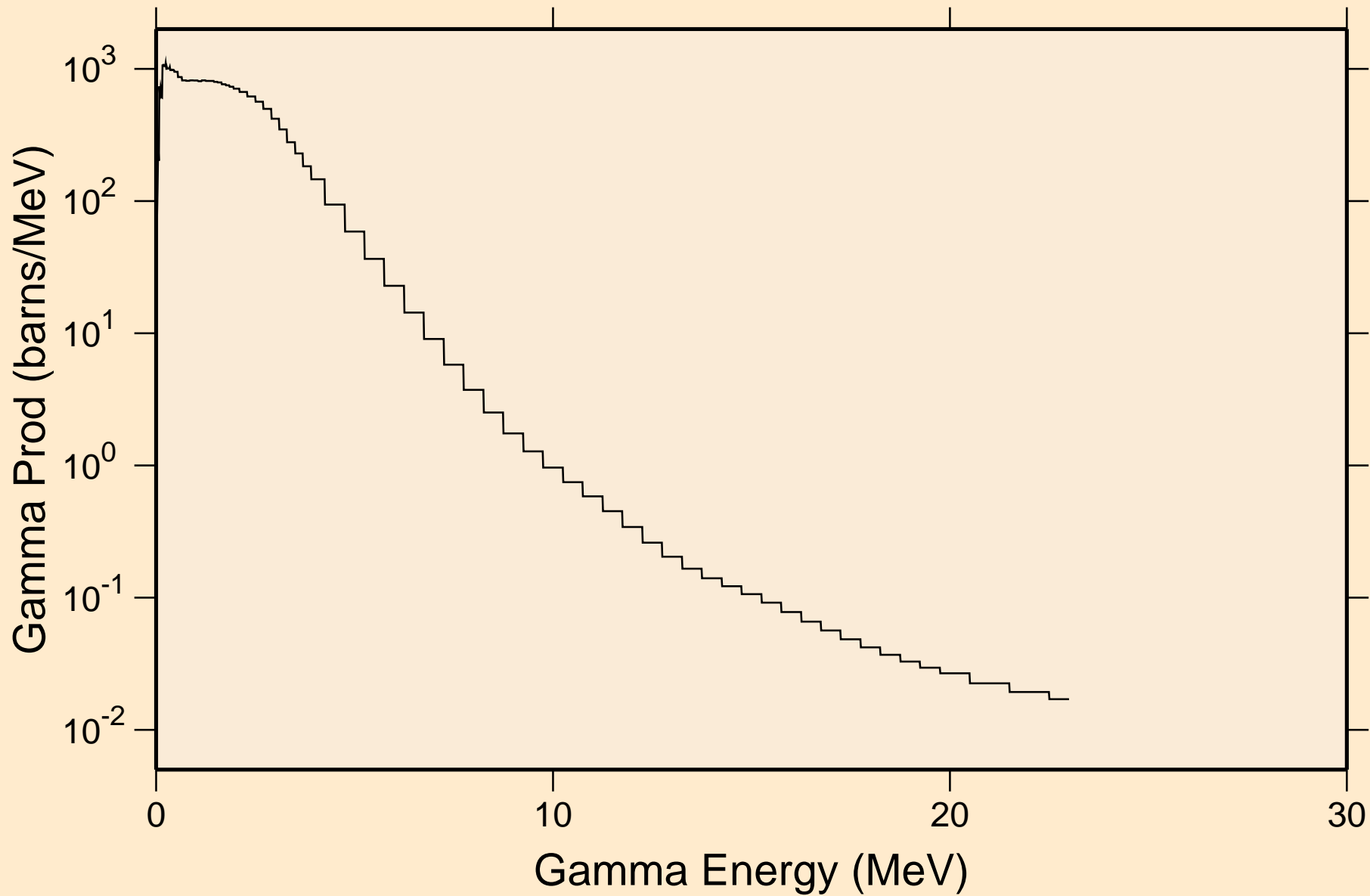


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

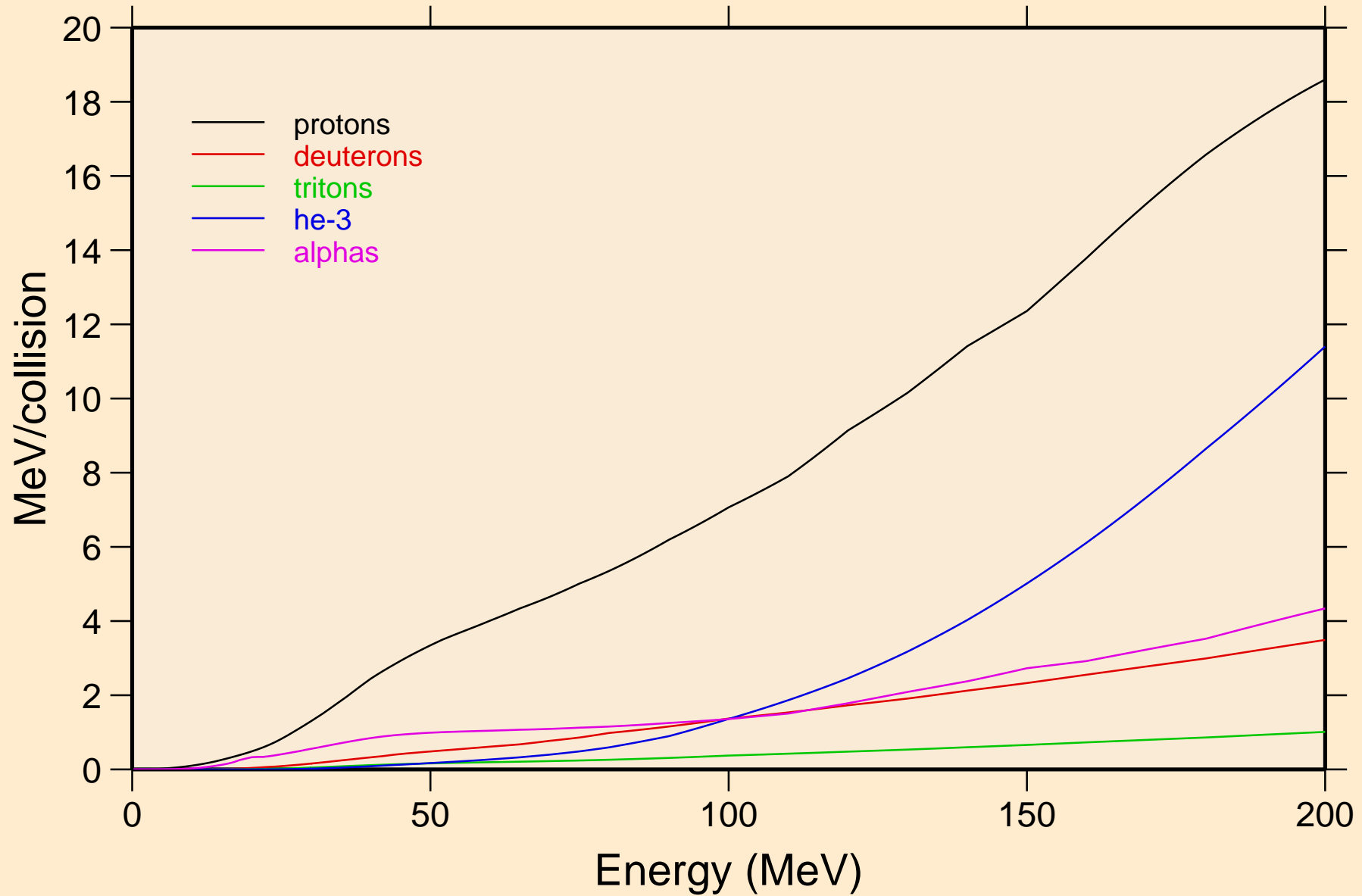




OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

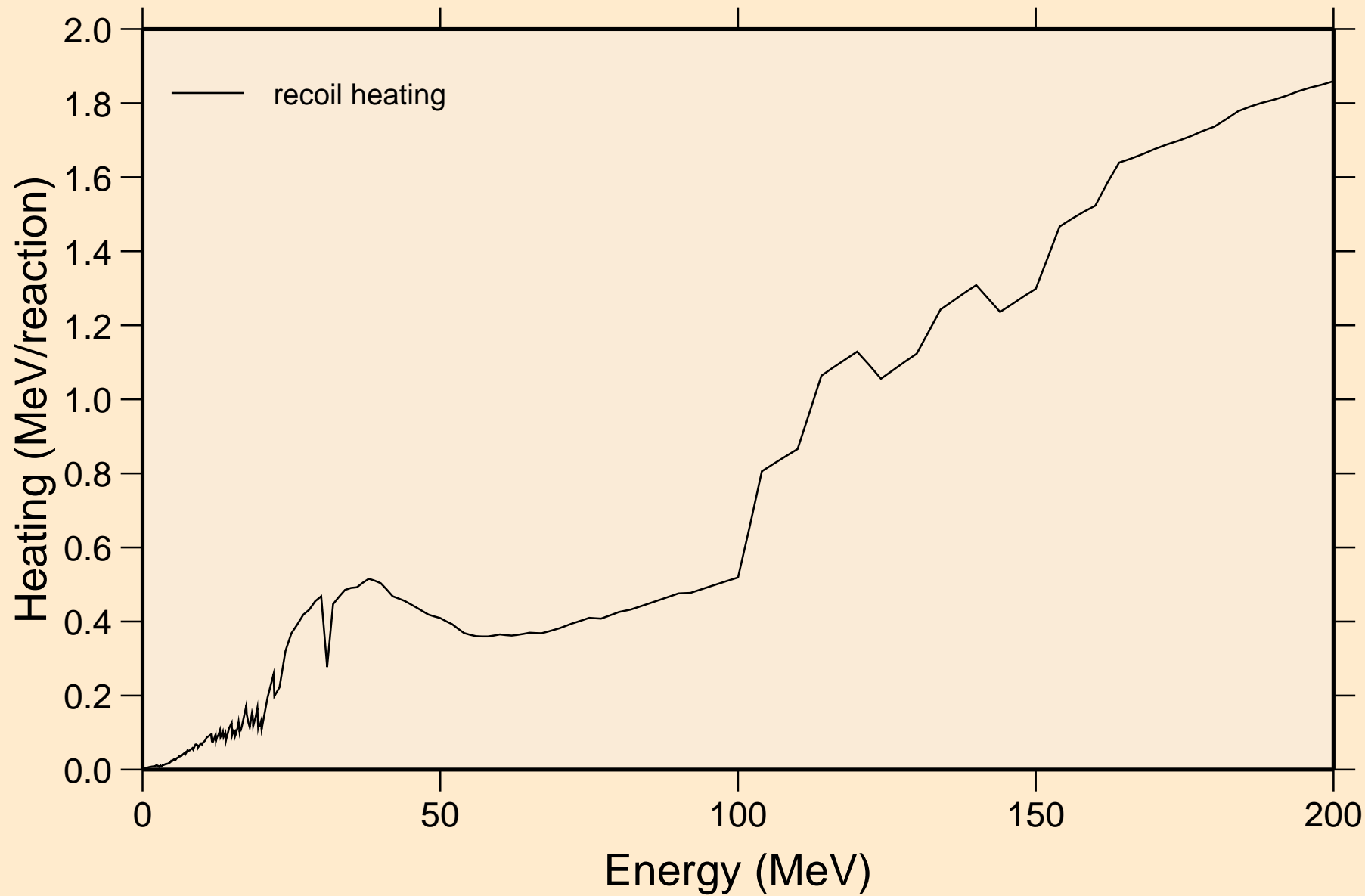


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions



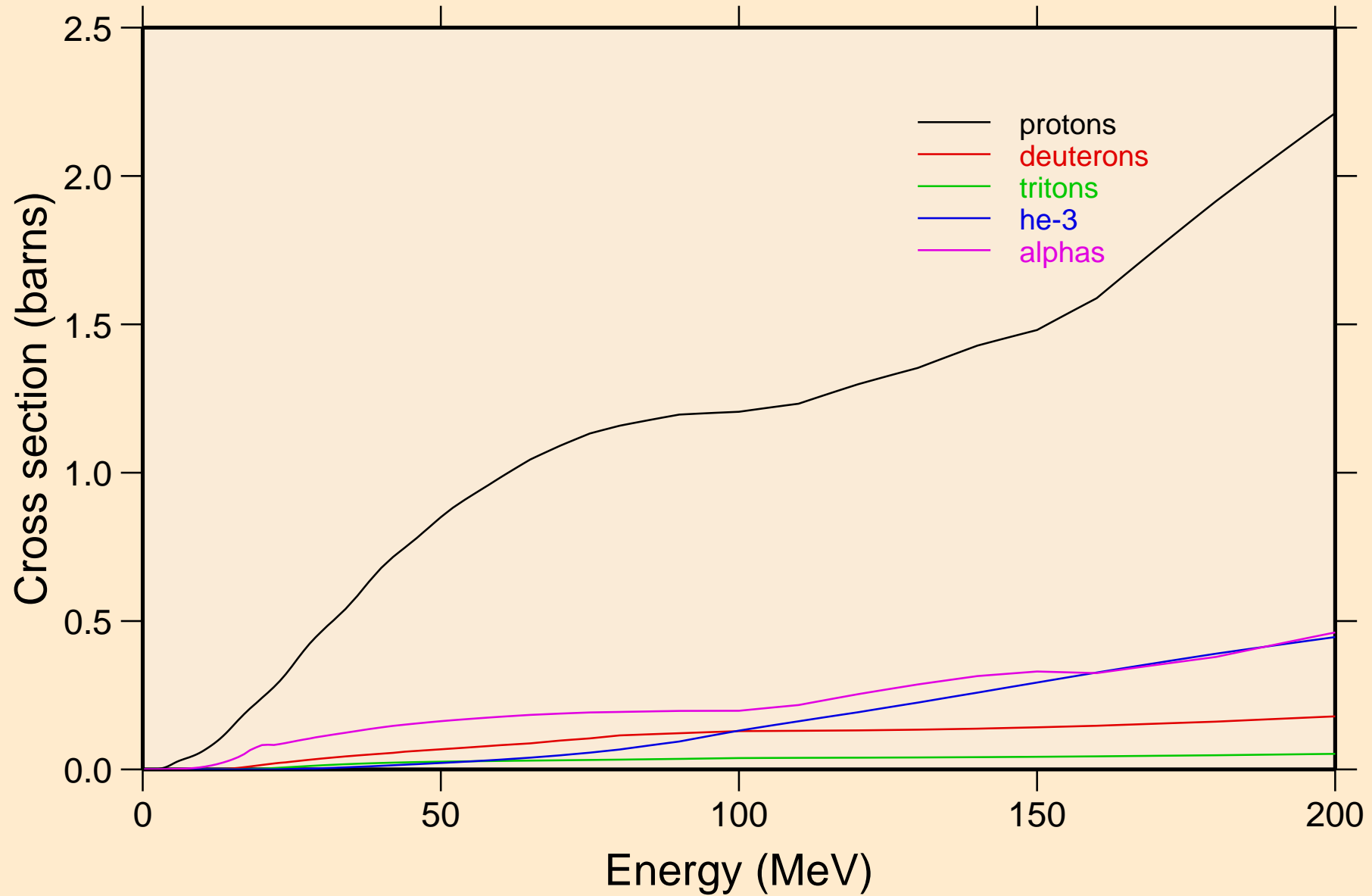
# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Recoil Heating

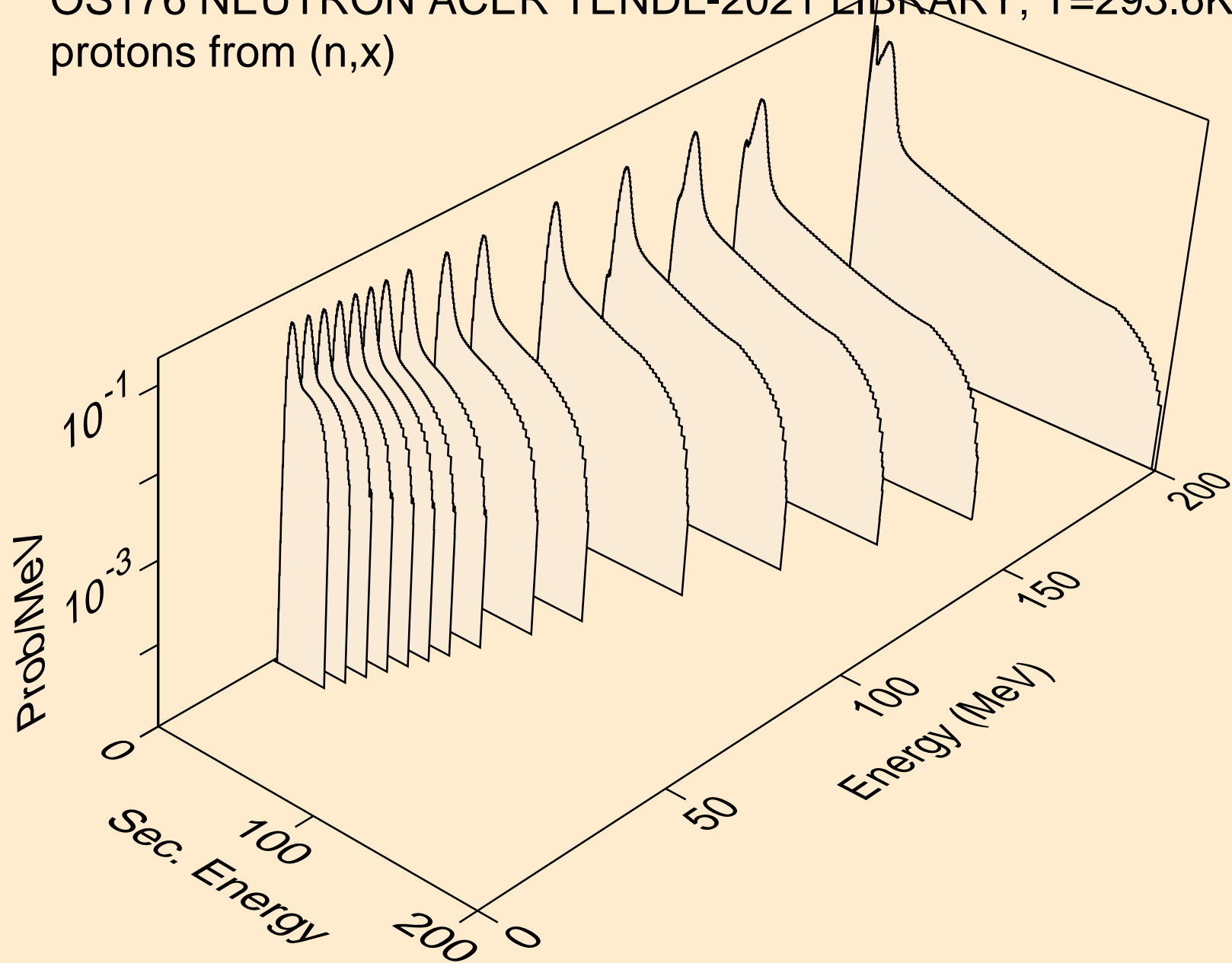


# OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

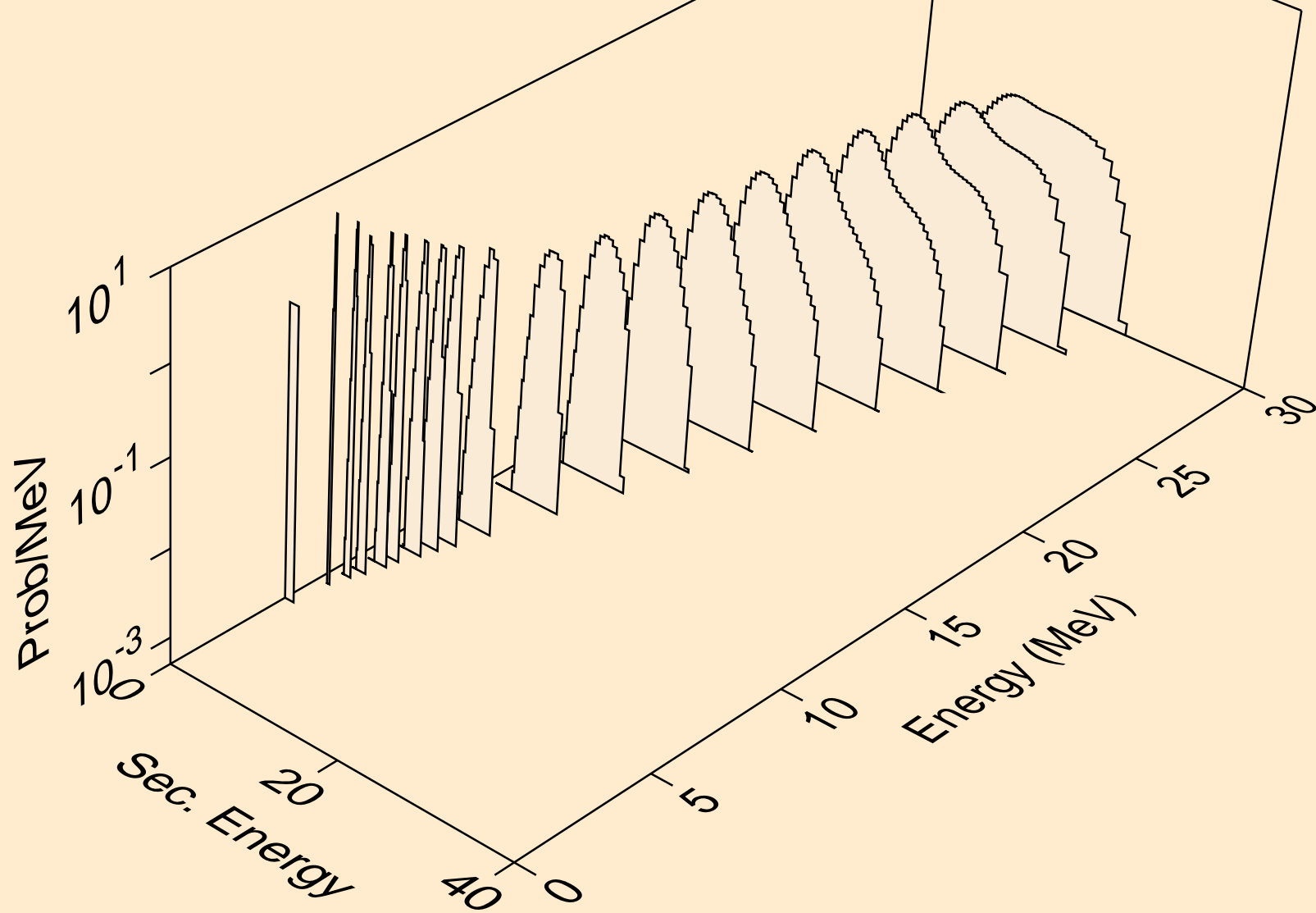
## Particle production cross sections



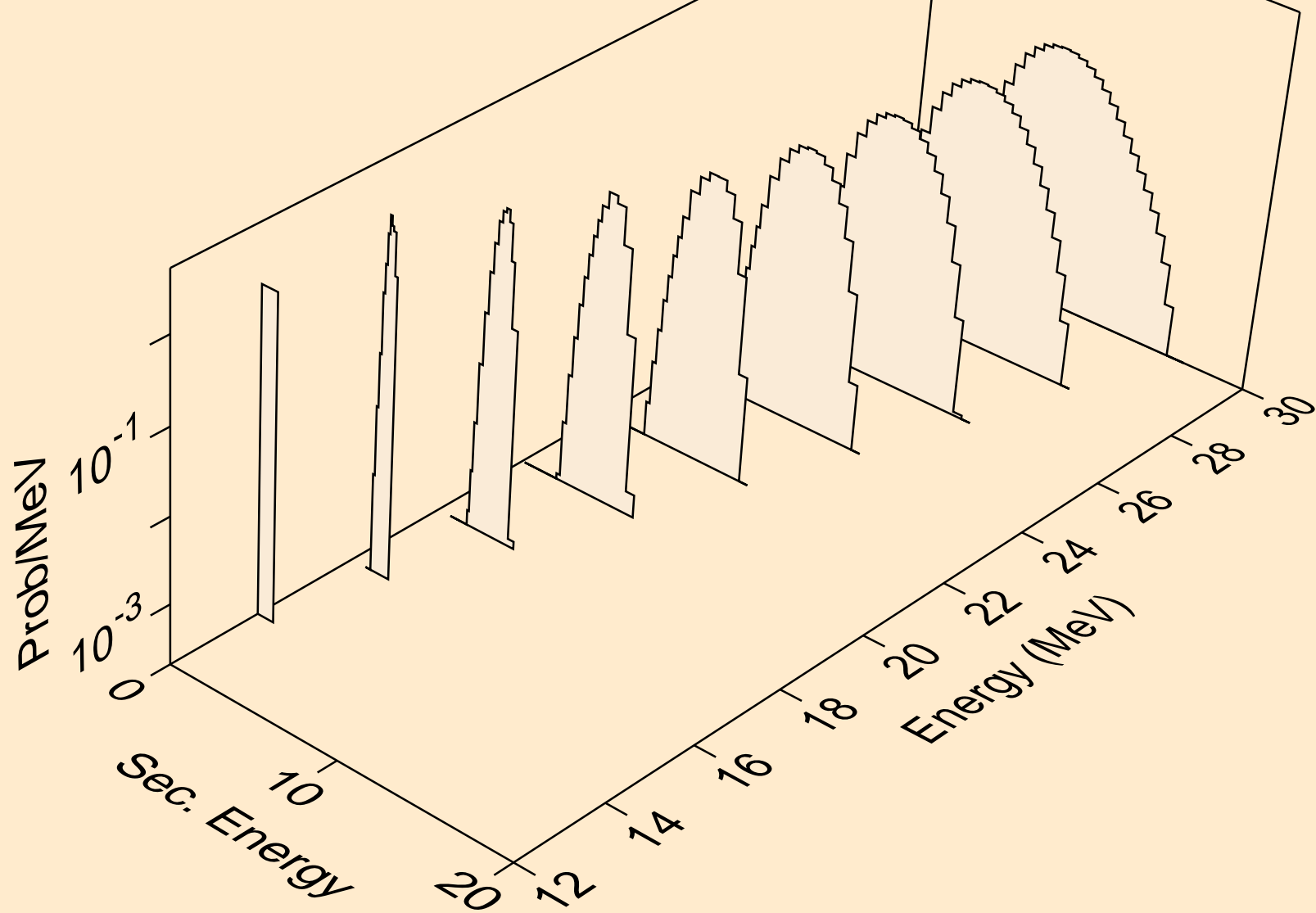
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



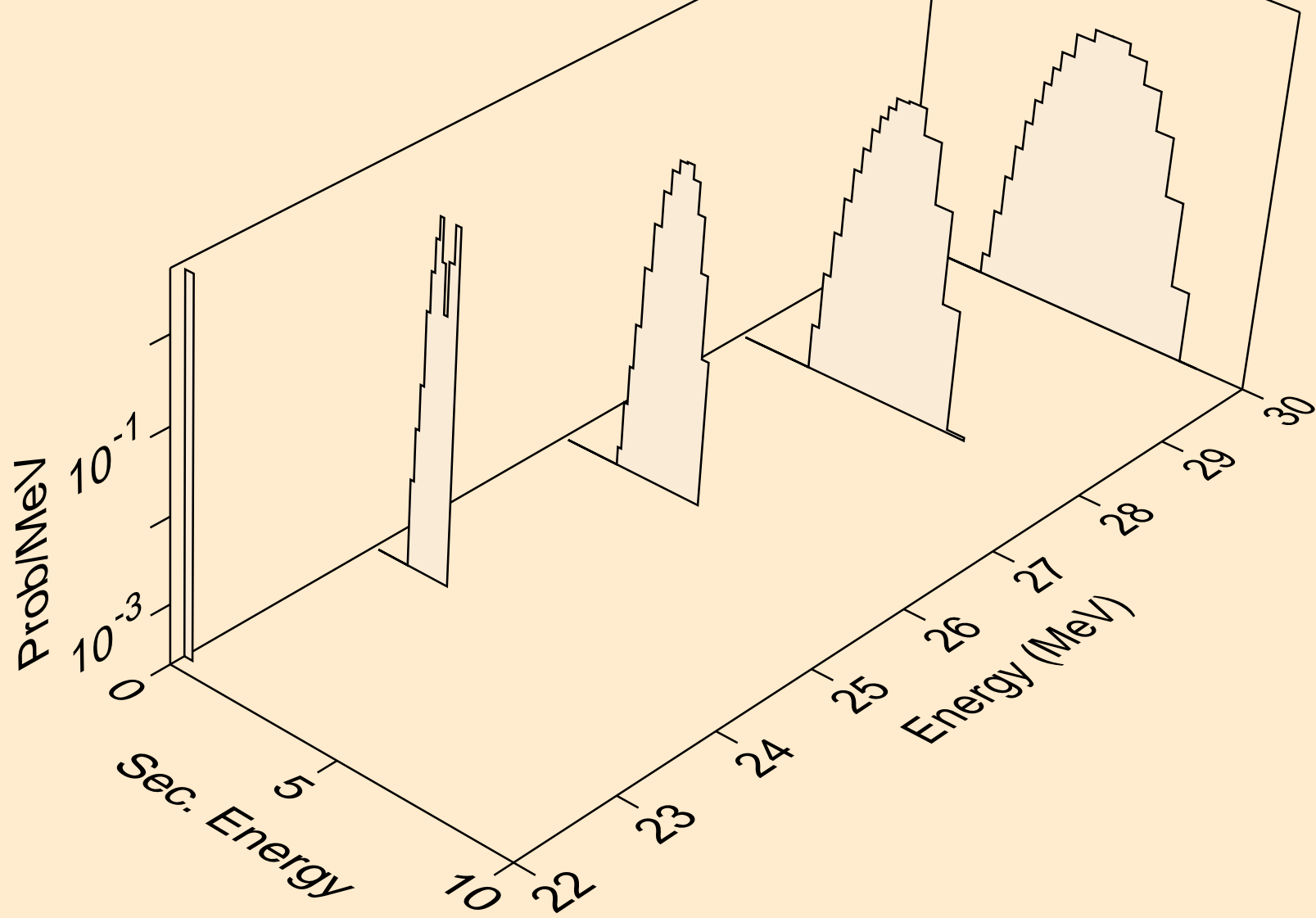
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protons from (n,n\*)p



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

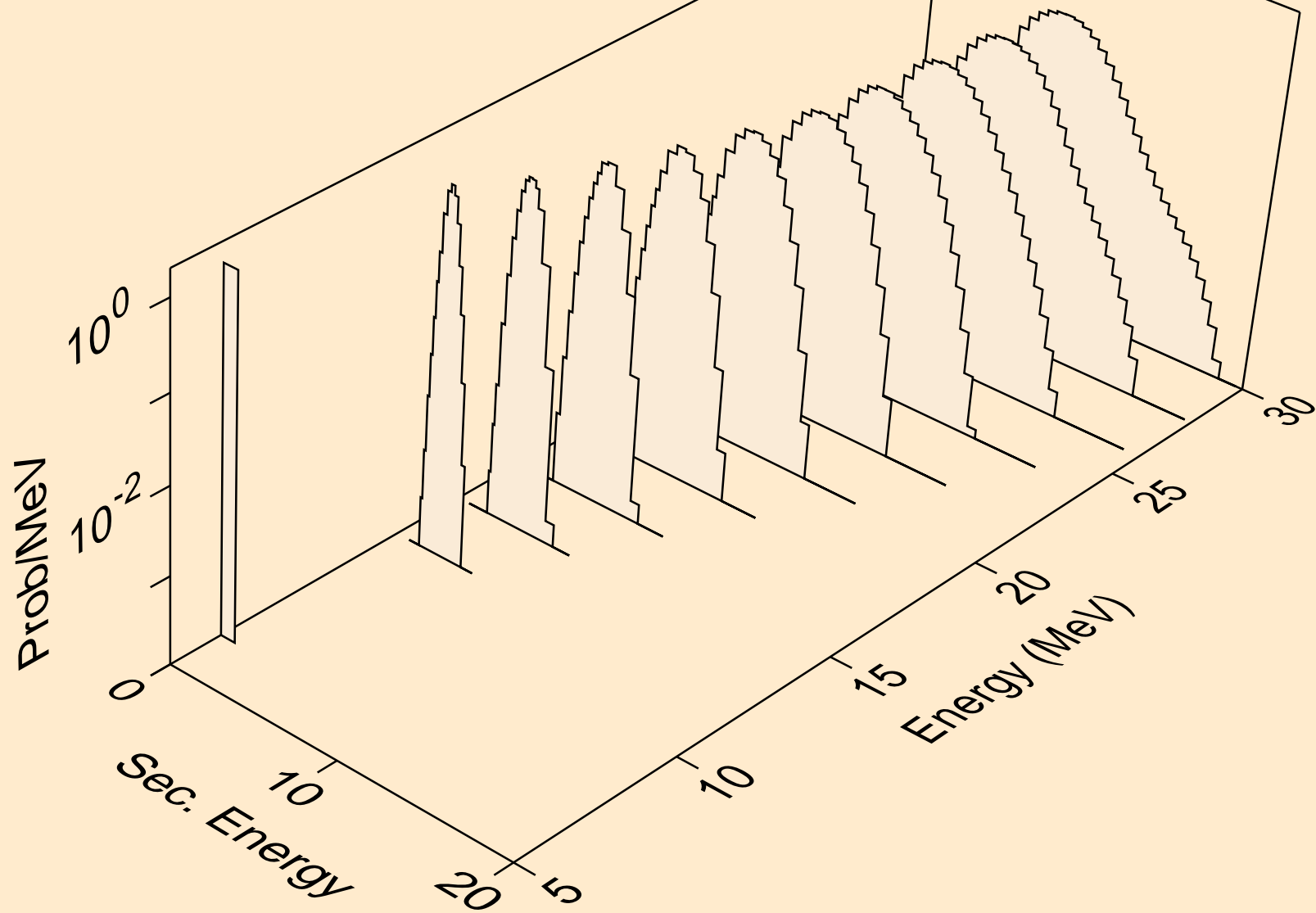


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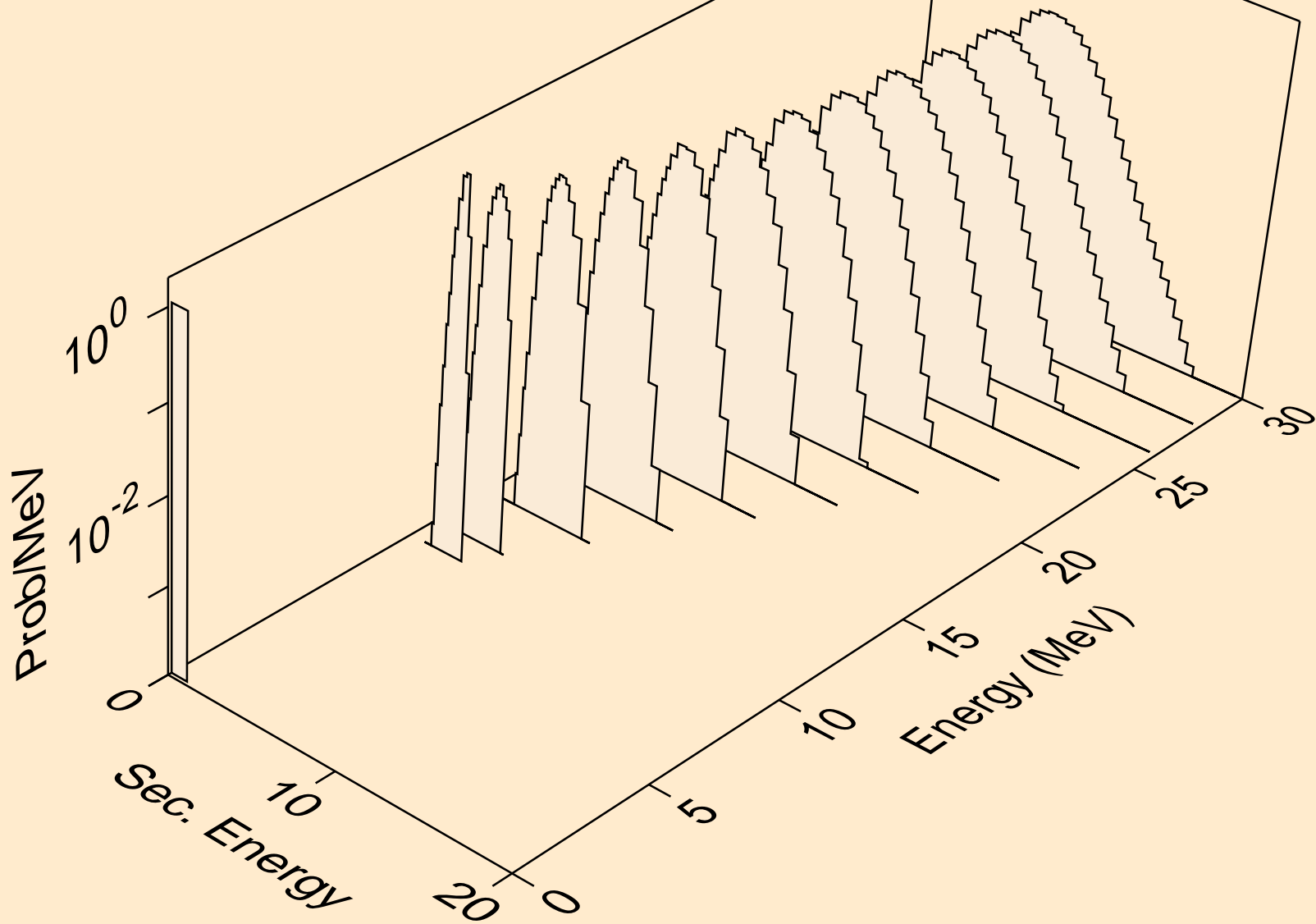




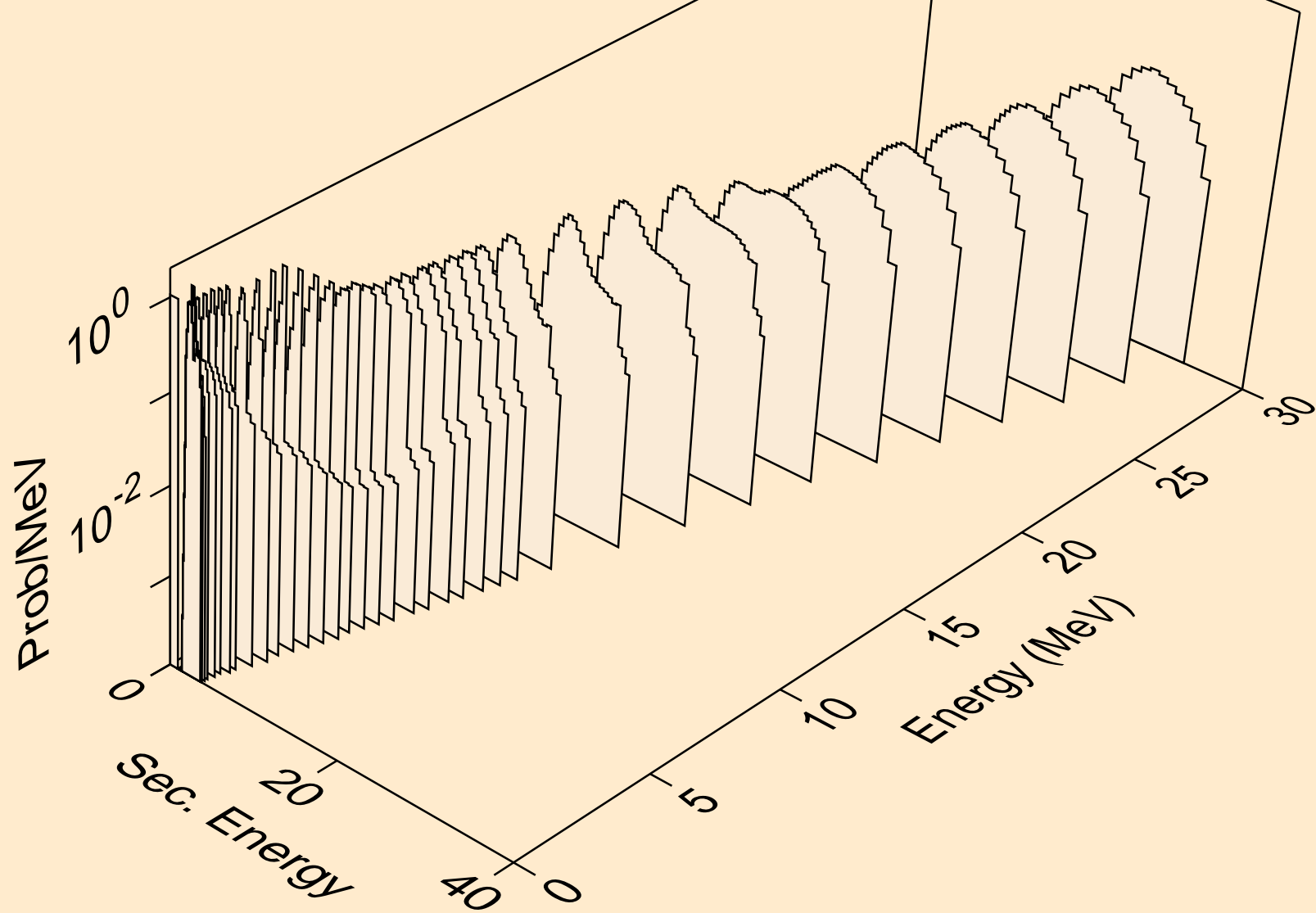
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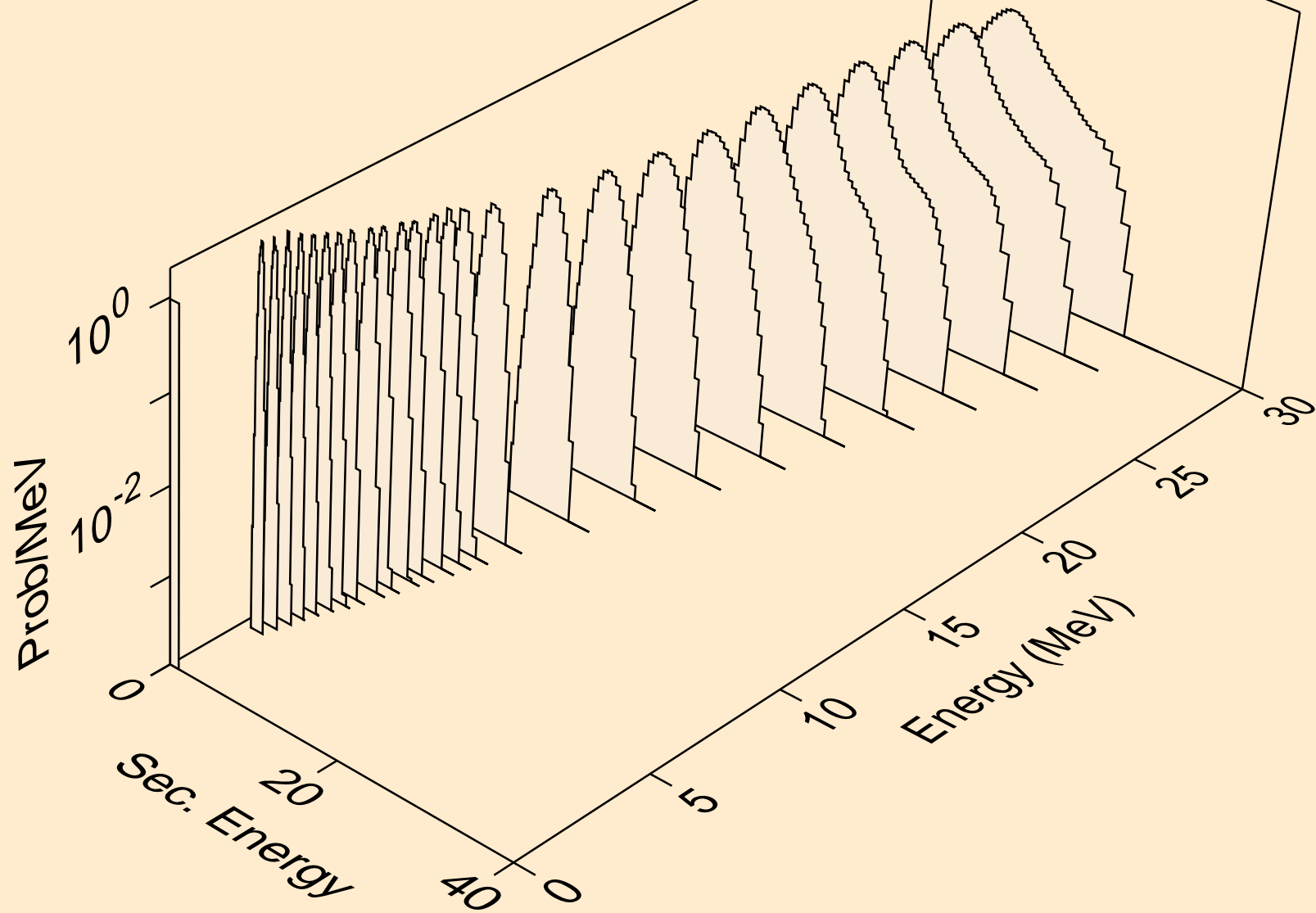
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protons from (n,npa)



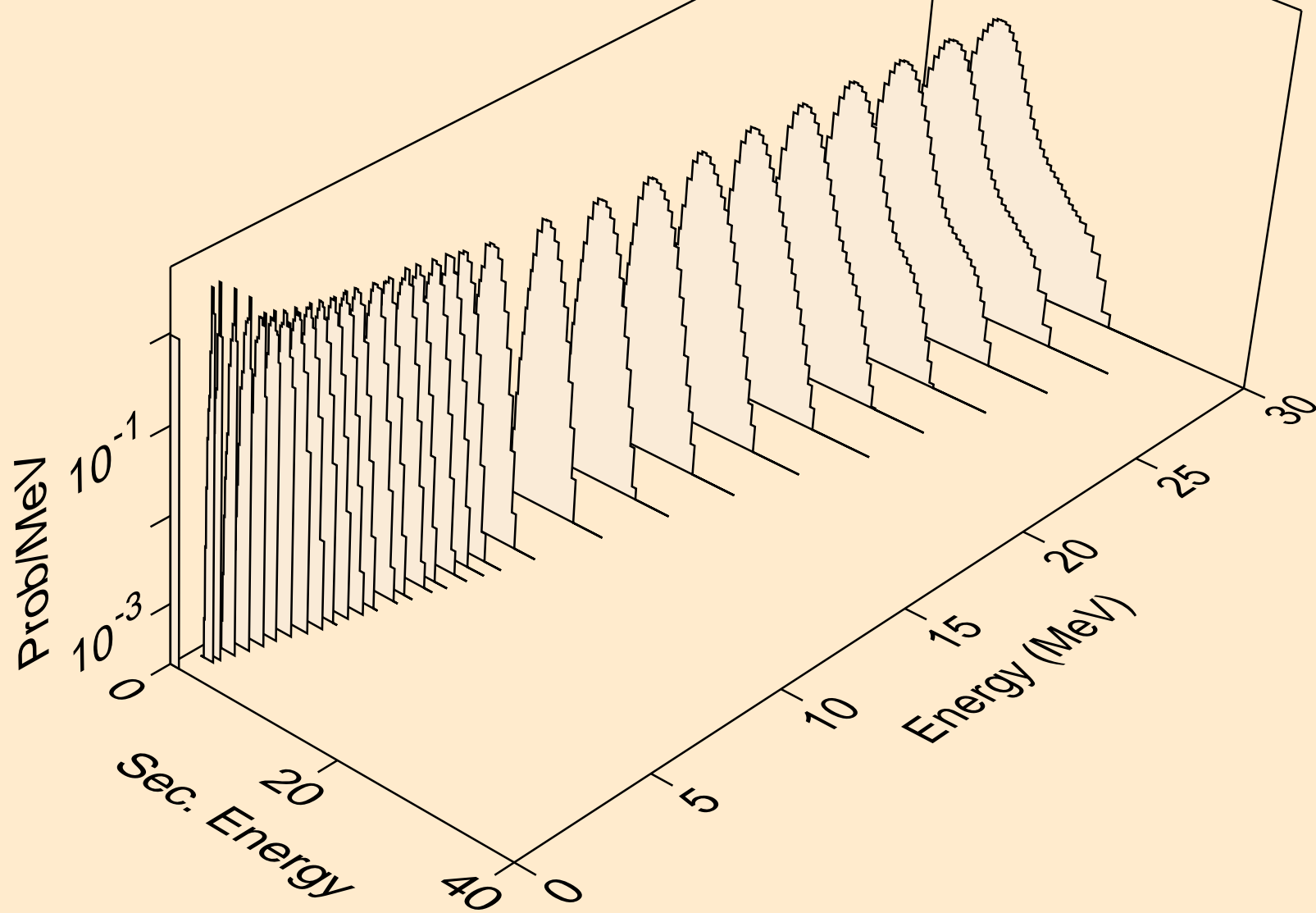
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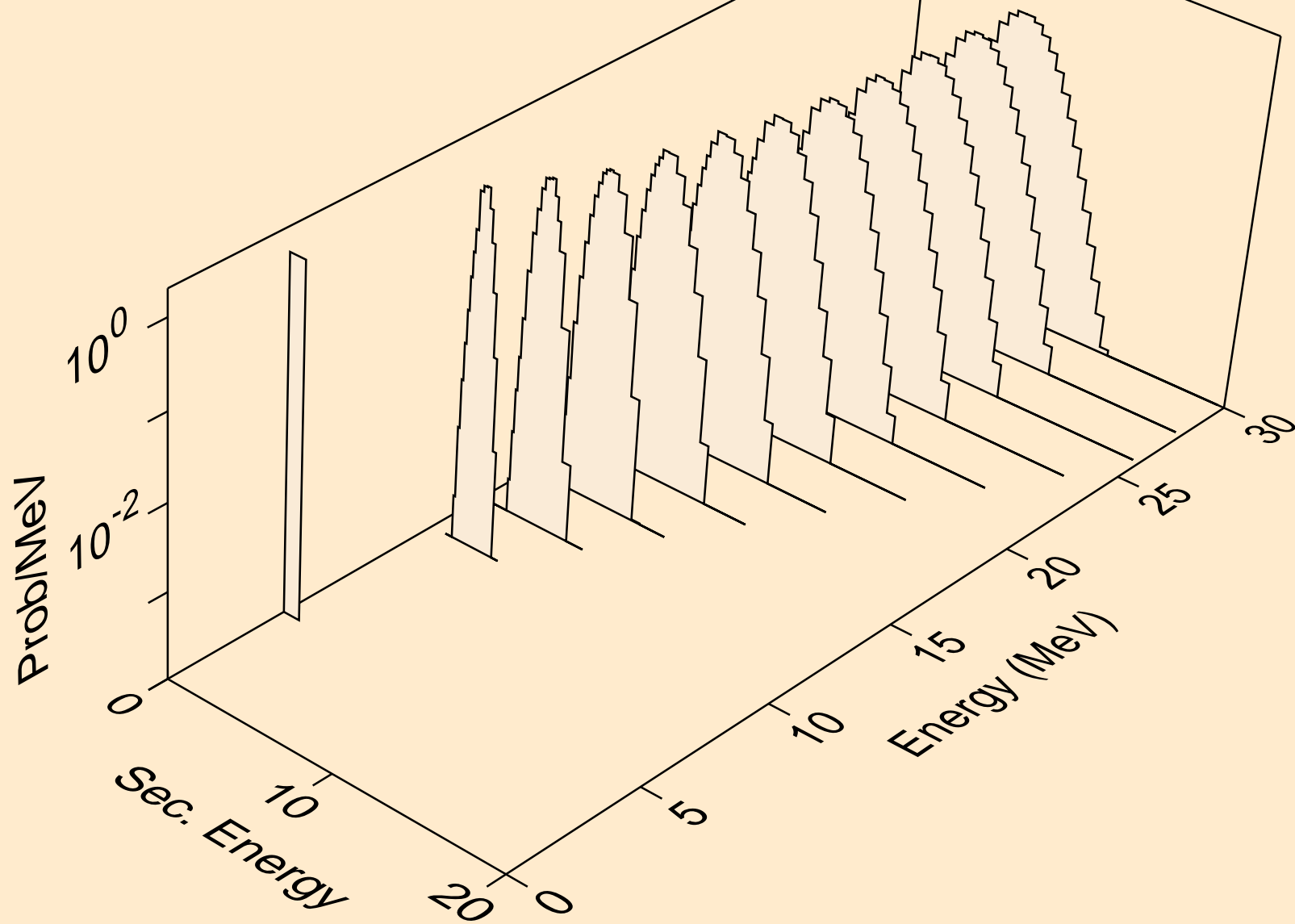
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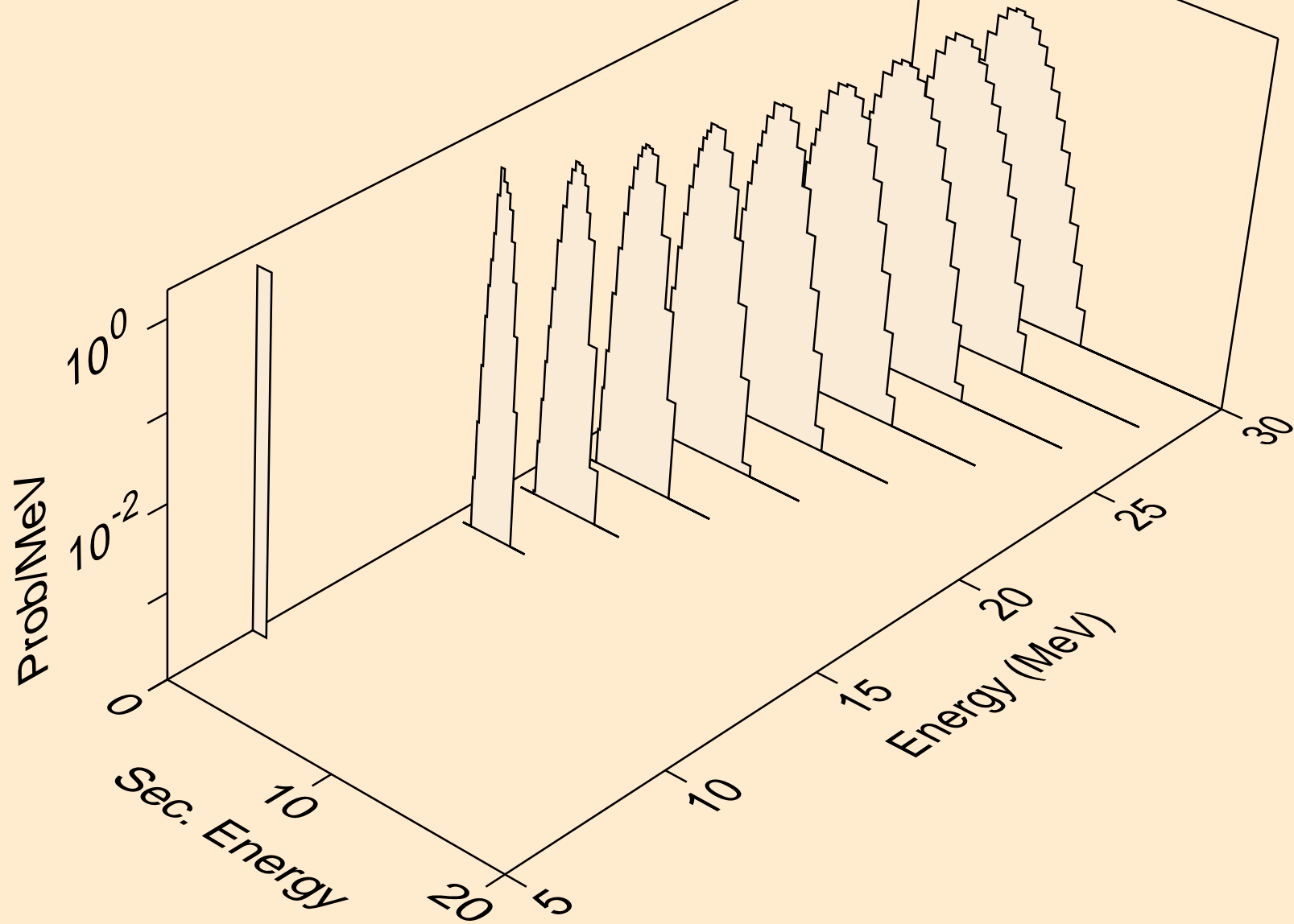
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protons from (n,p)



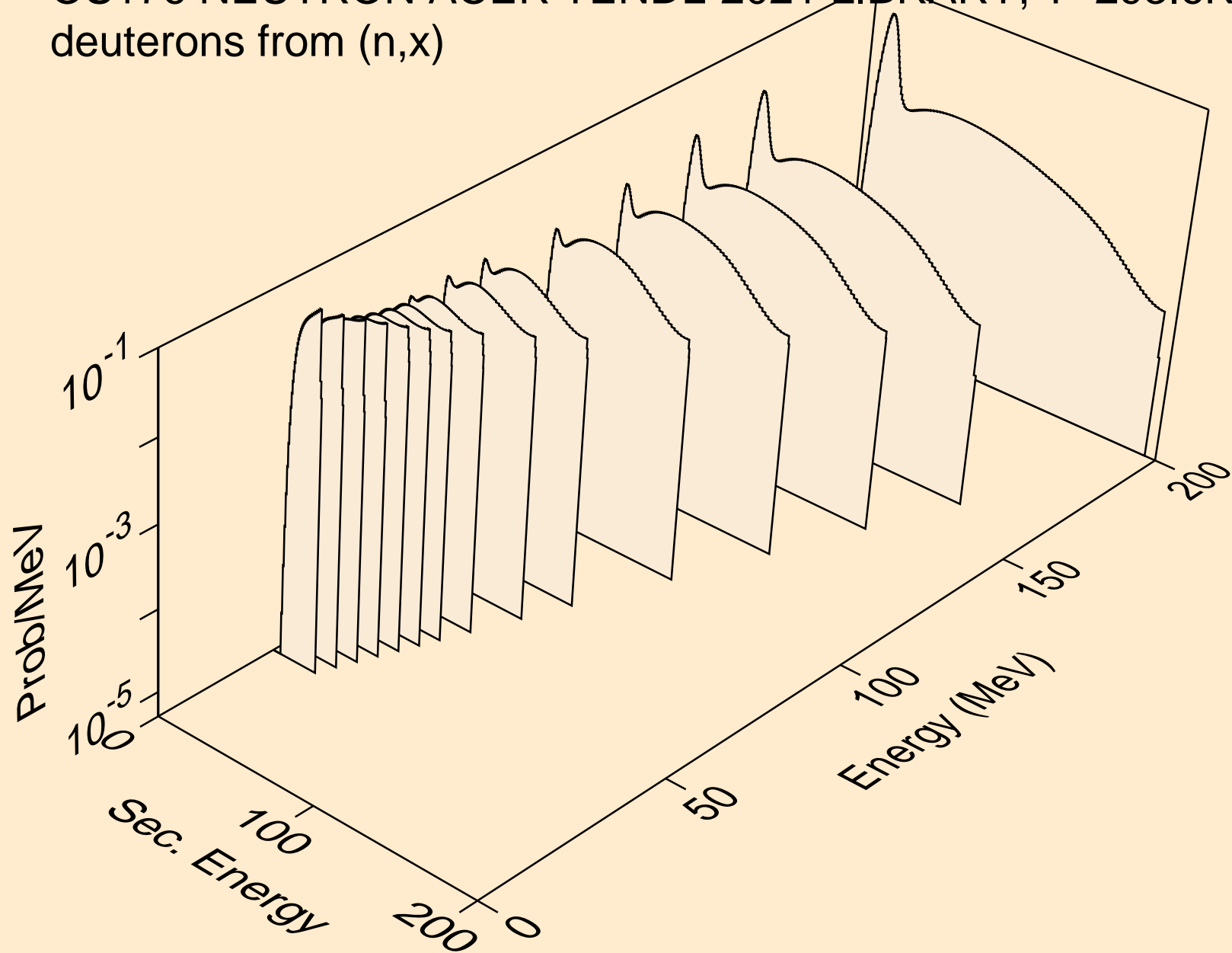
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protons from (n,pd)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

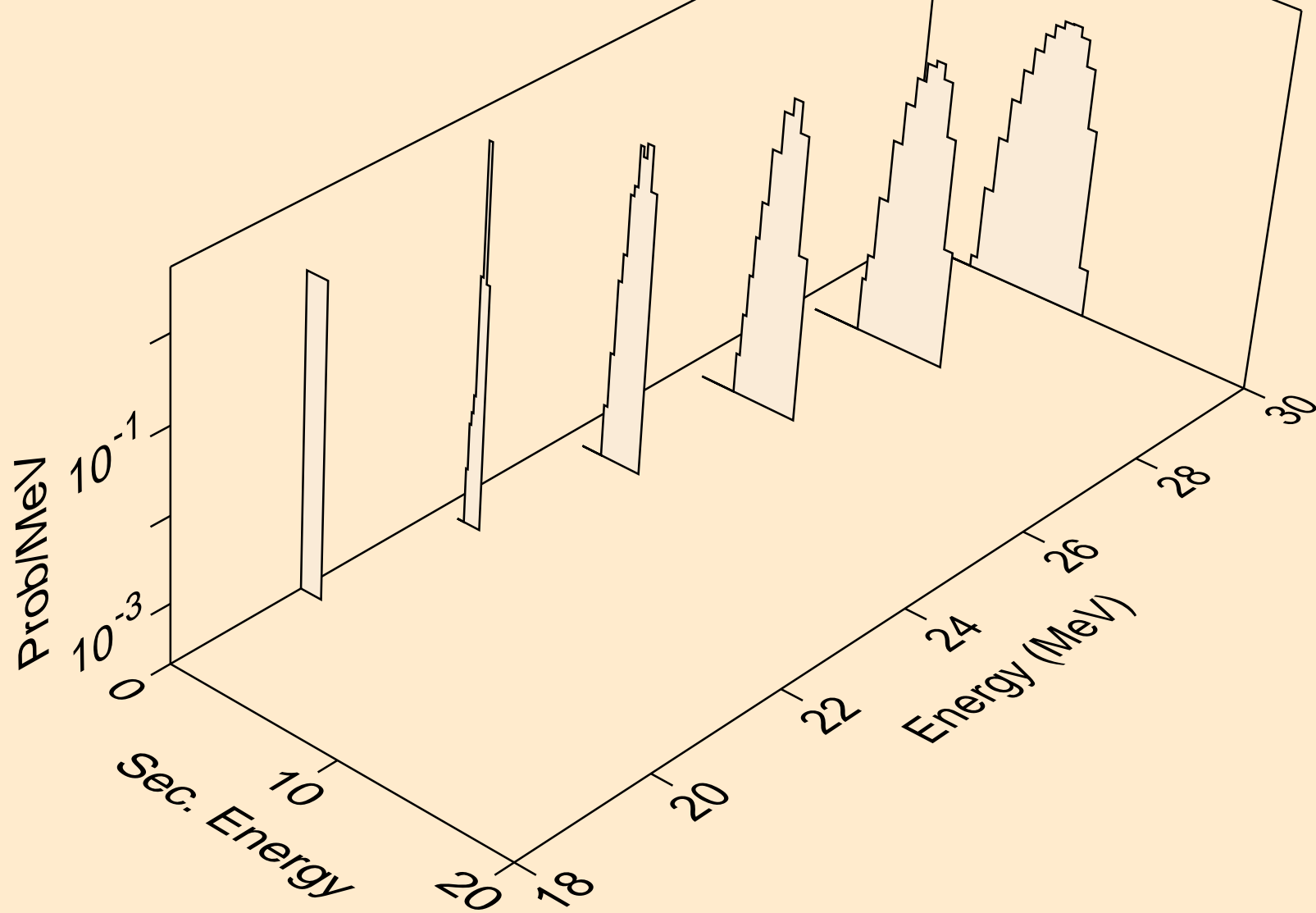


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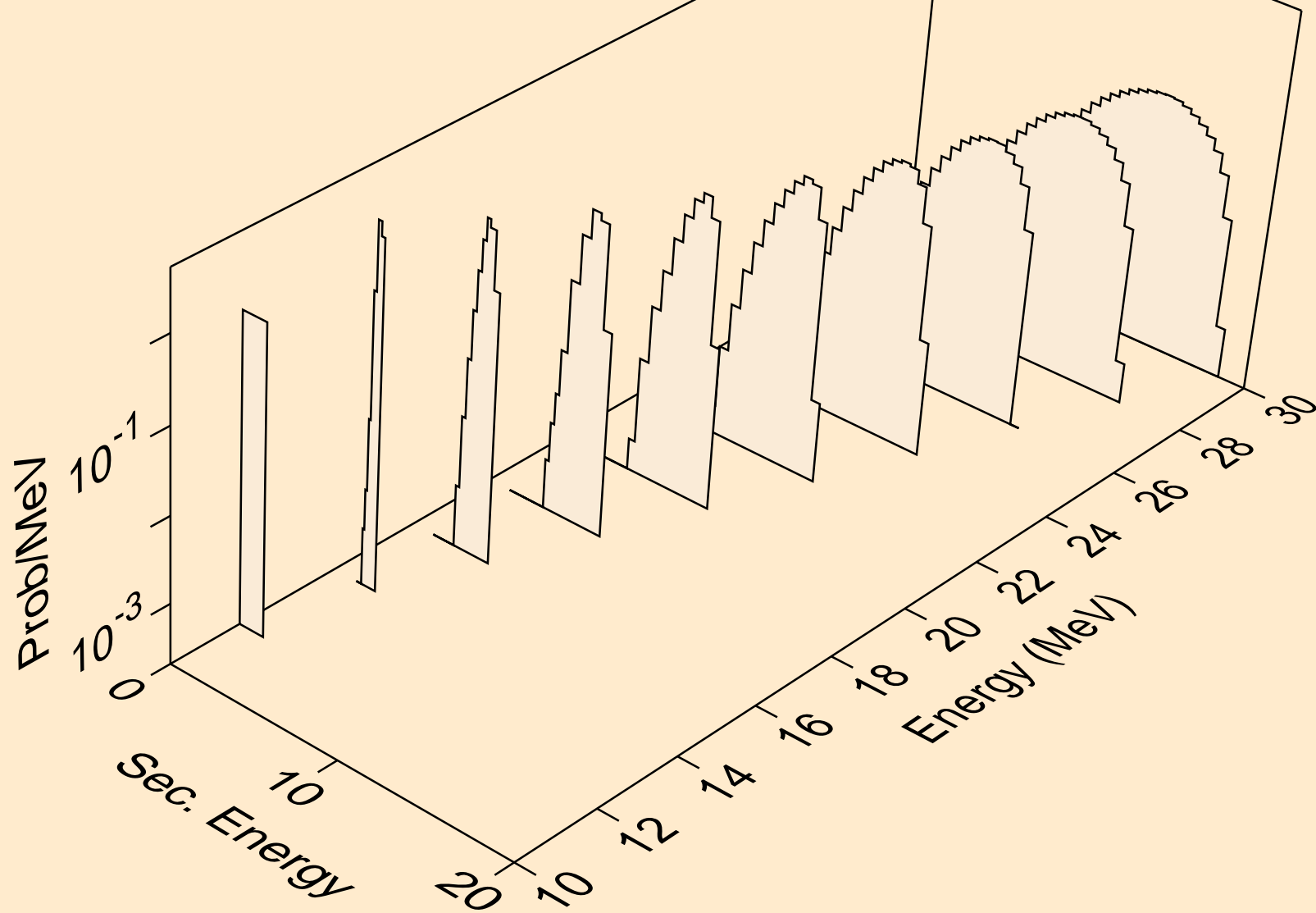




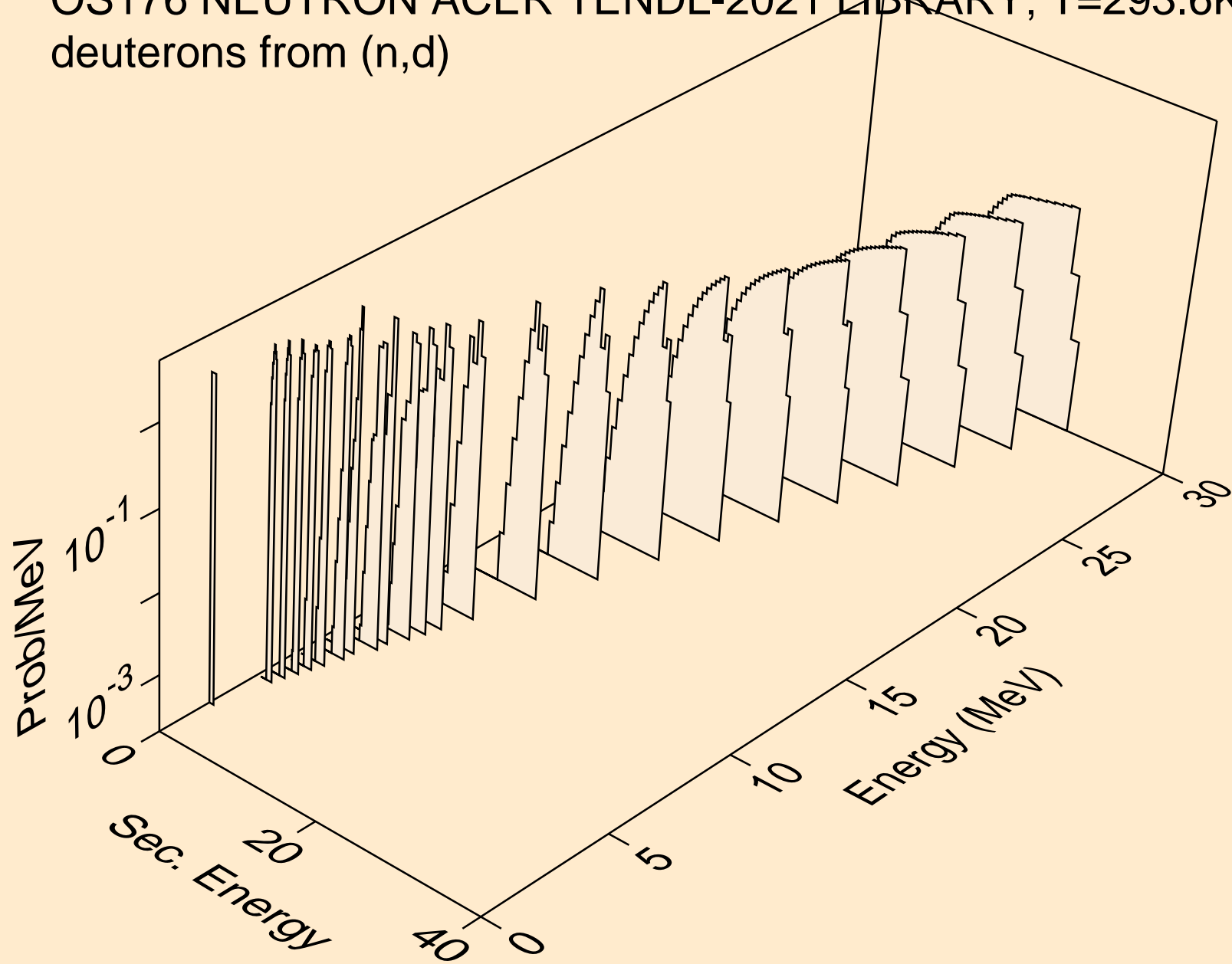
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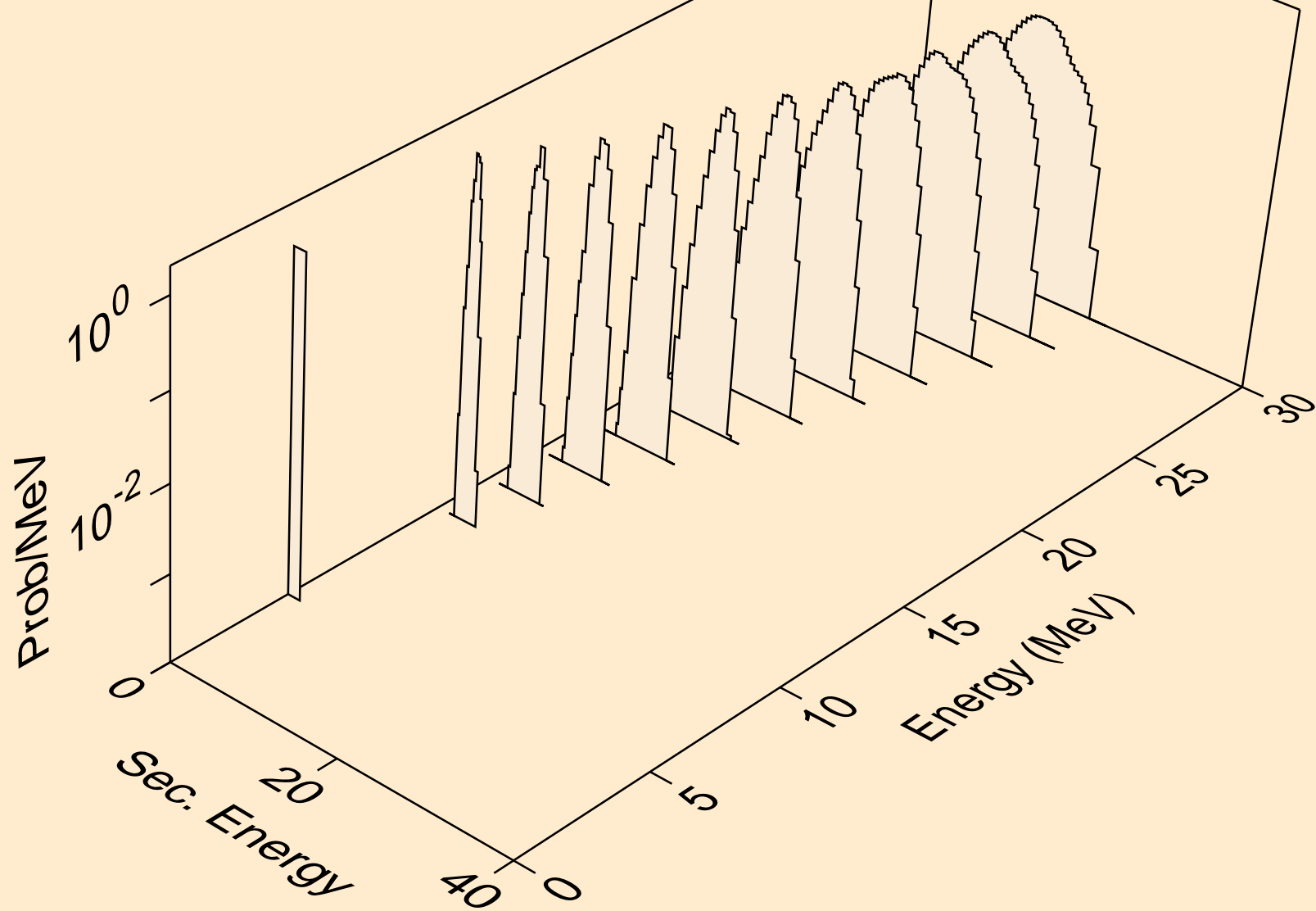
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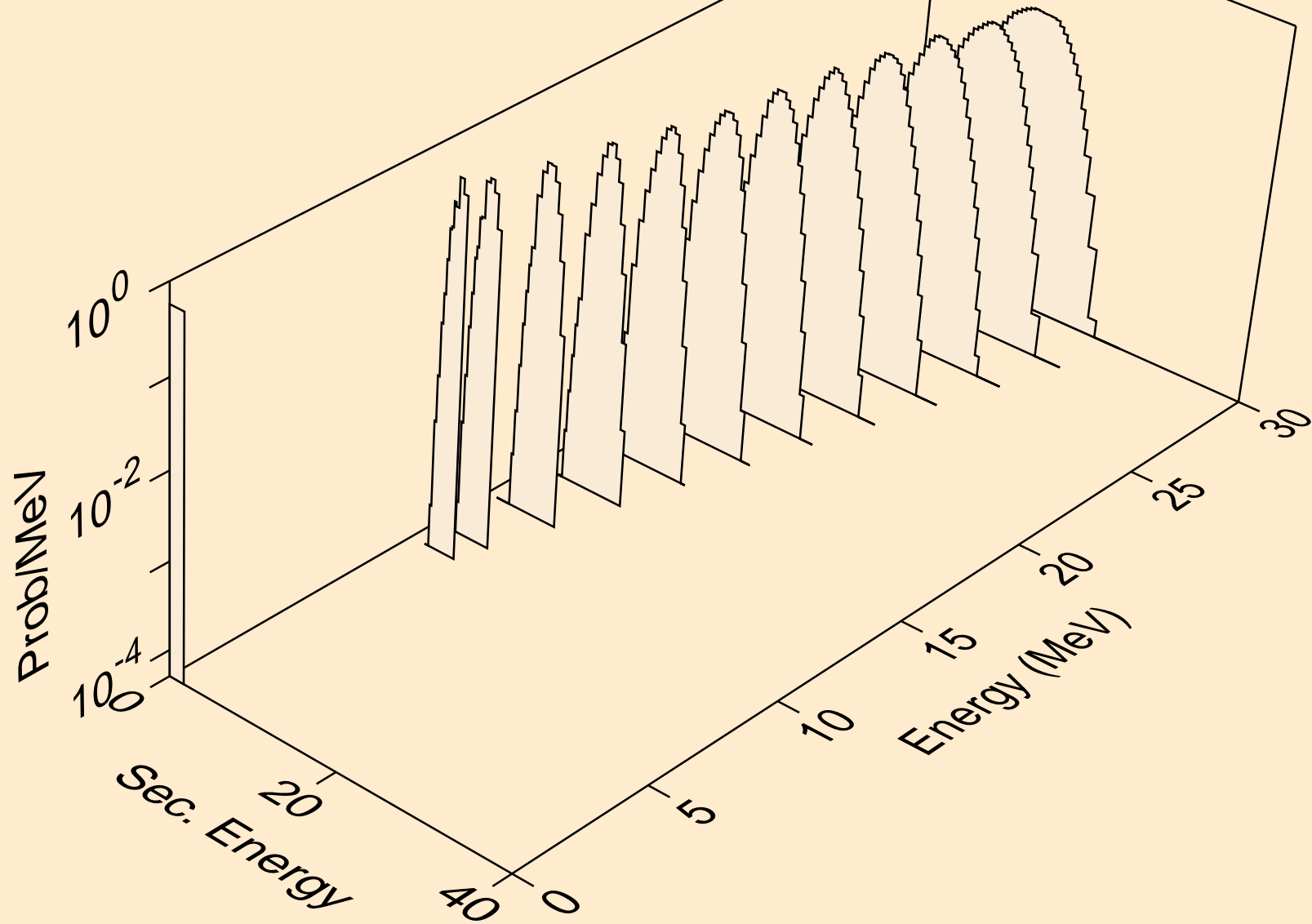
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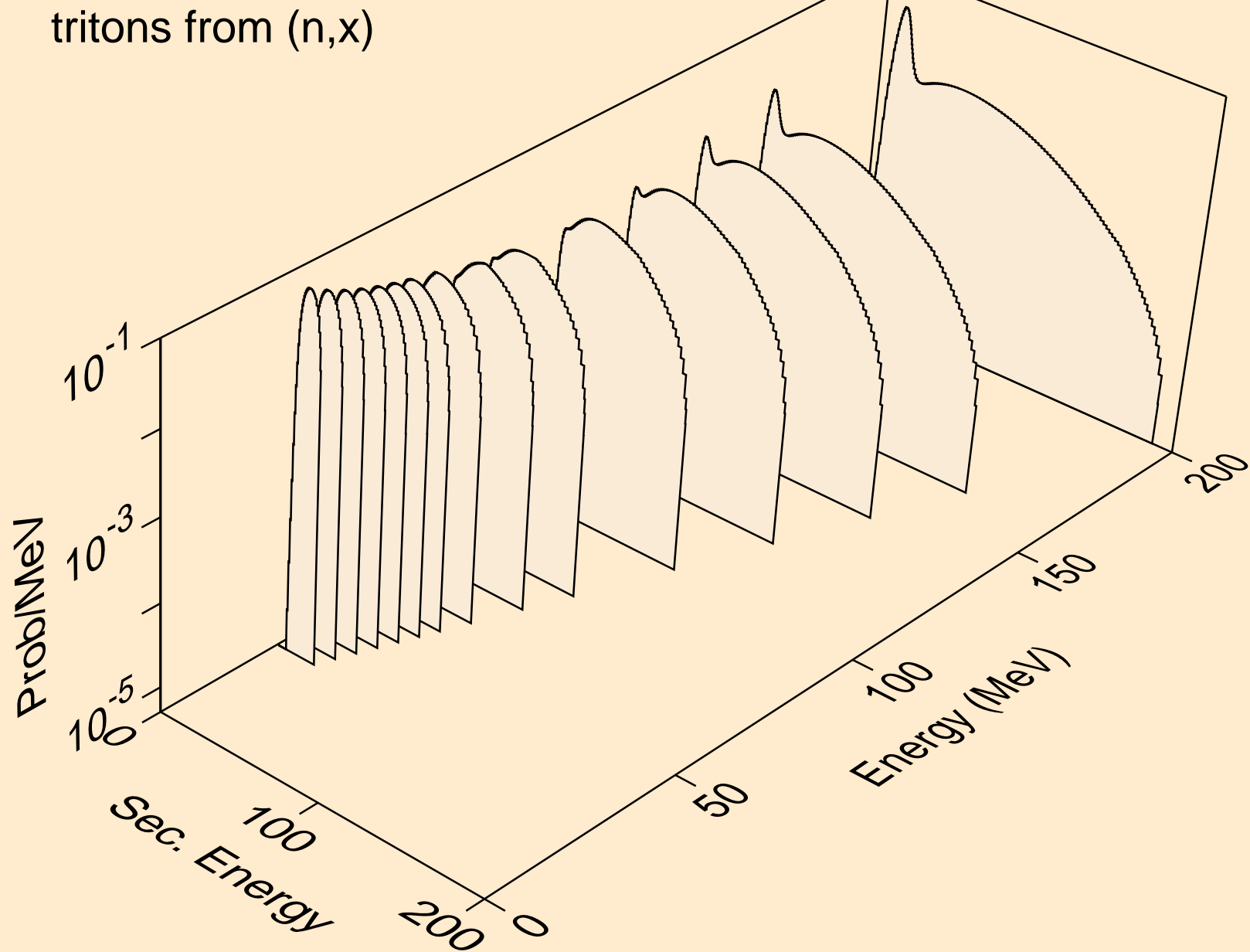
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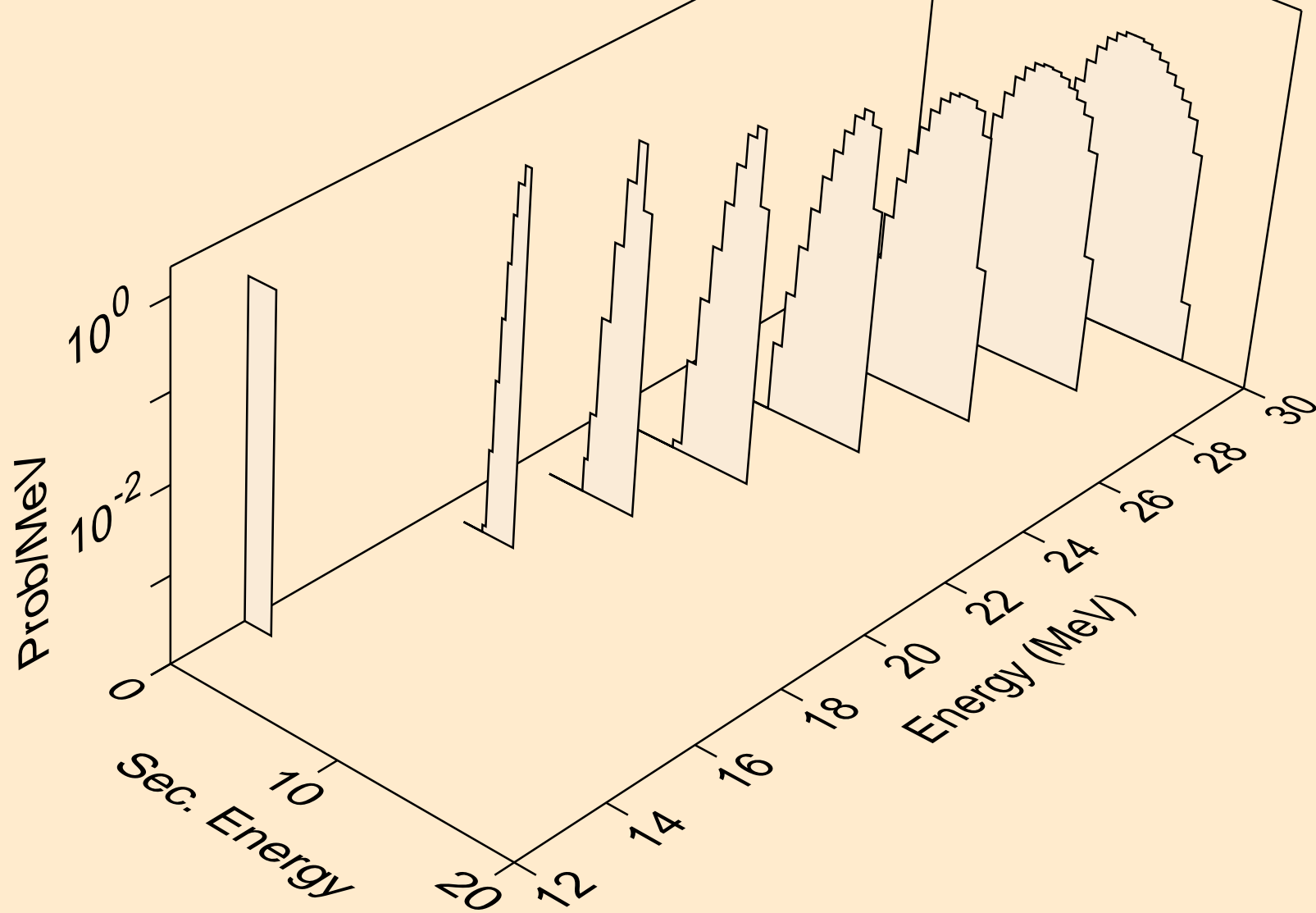
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deuterons from (n,da)



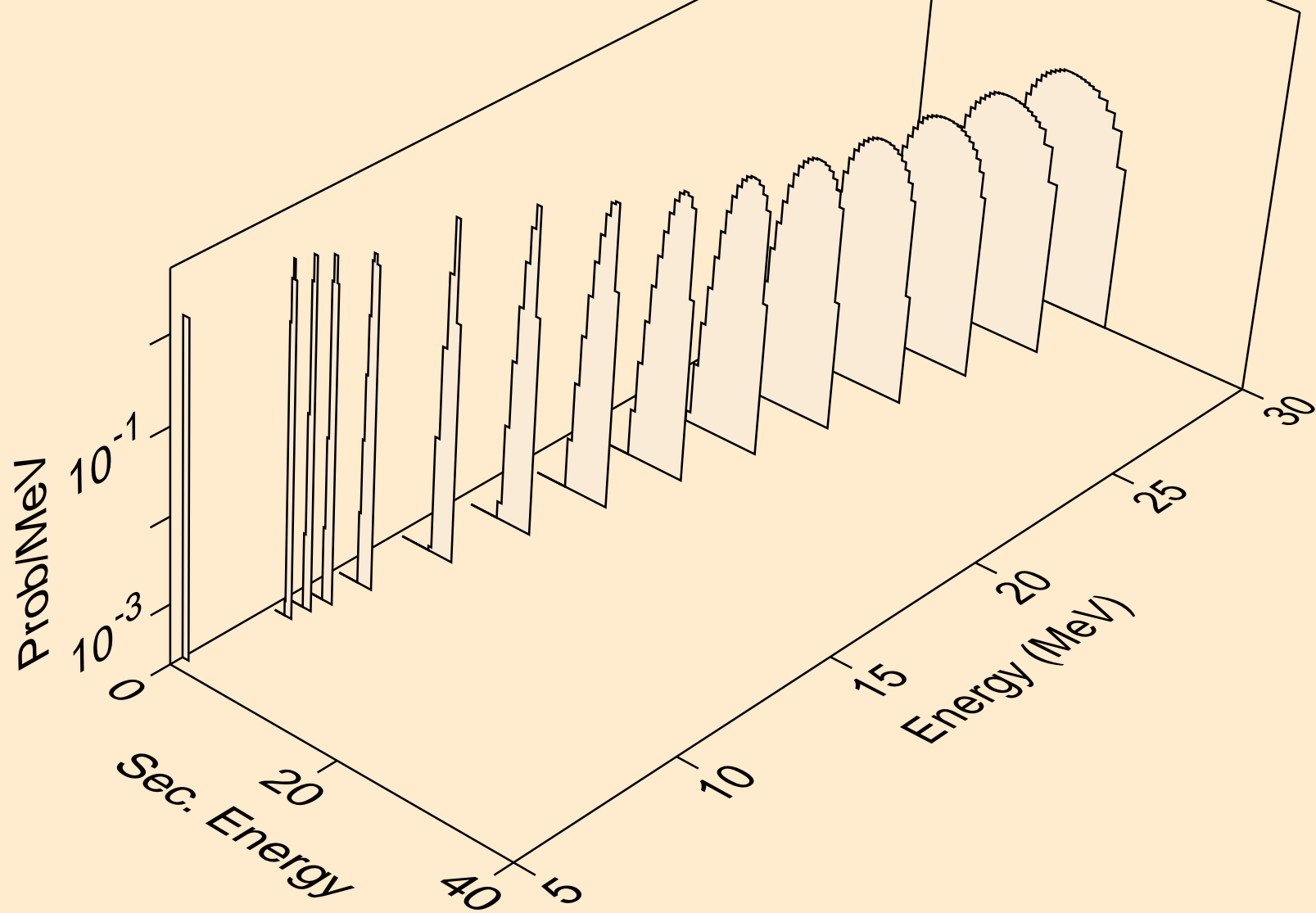
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

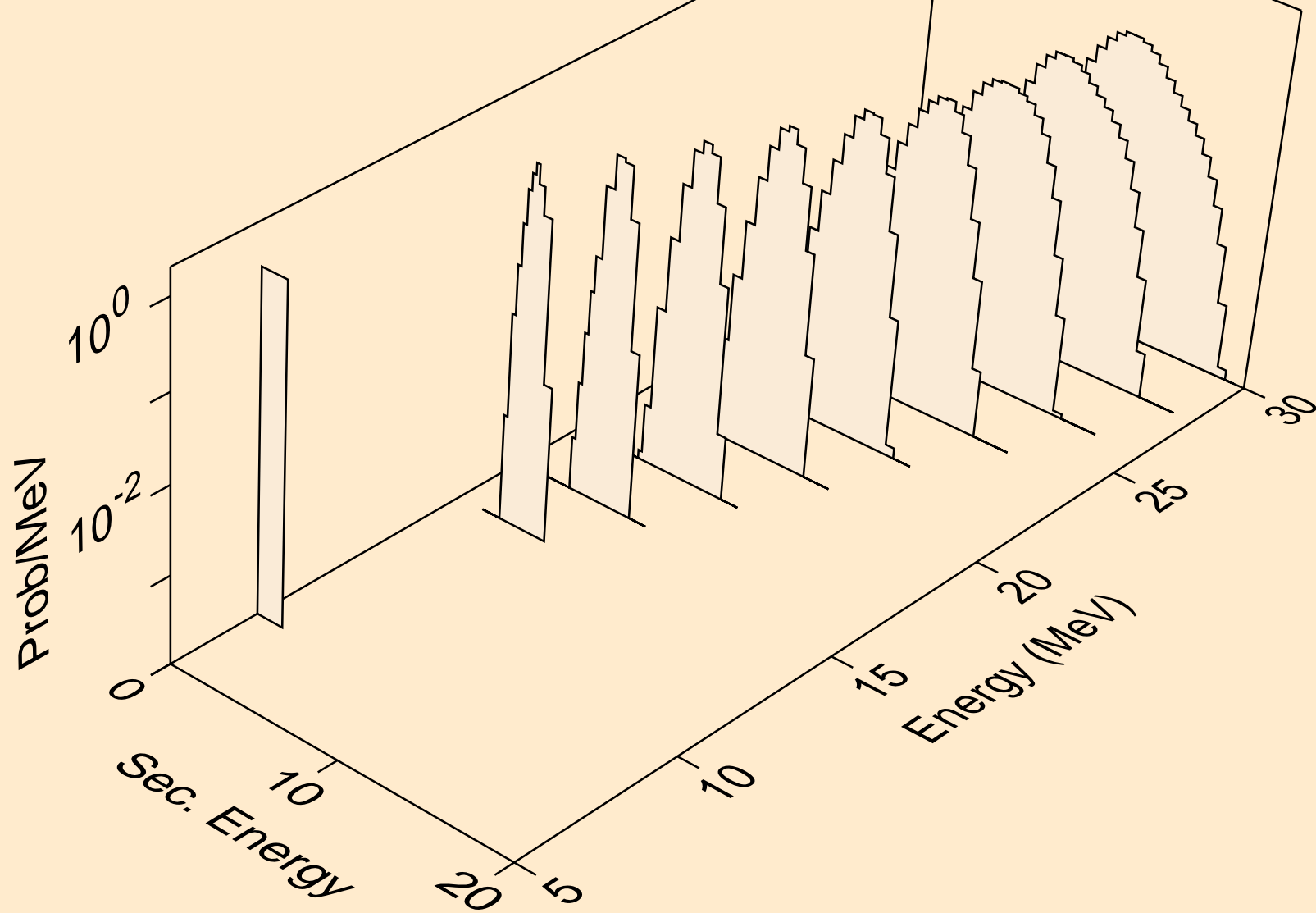


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tritons from (n,t)

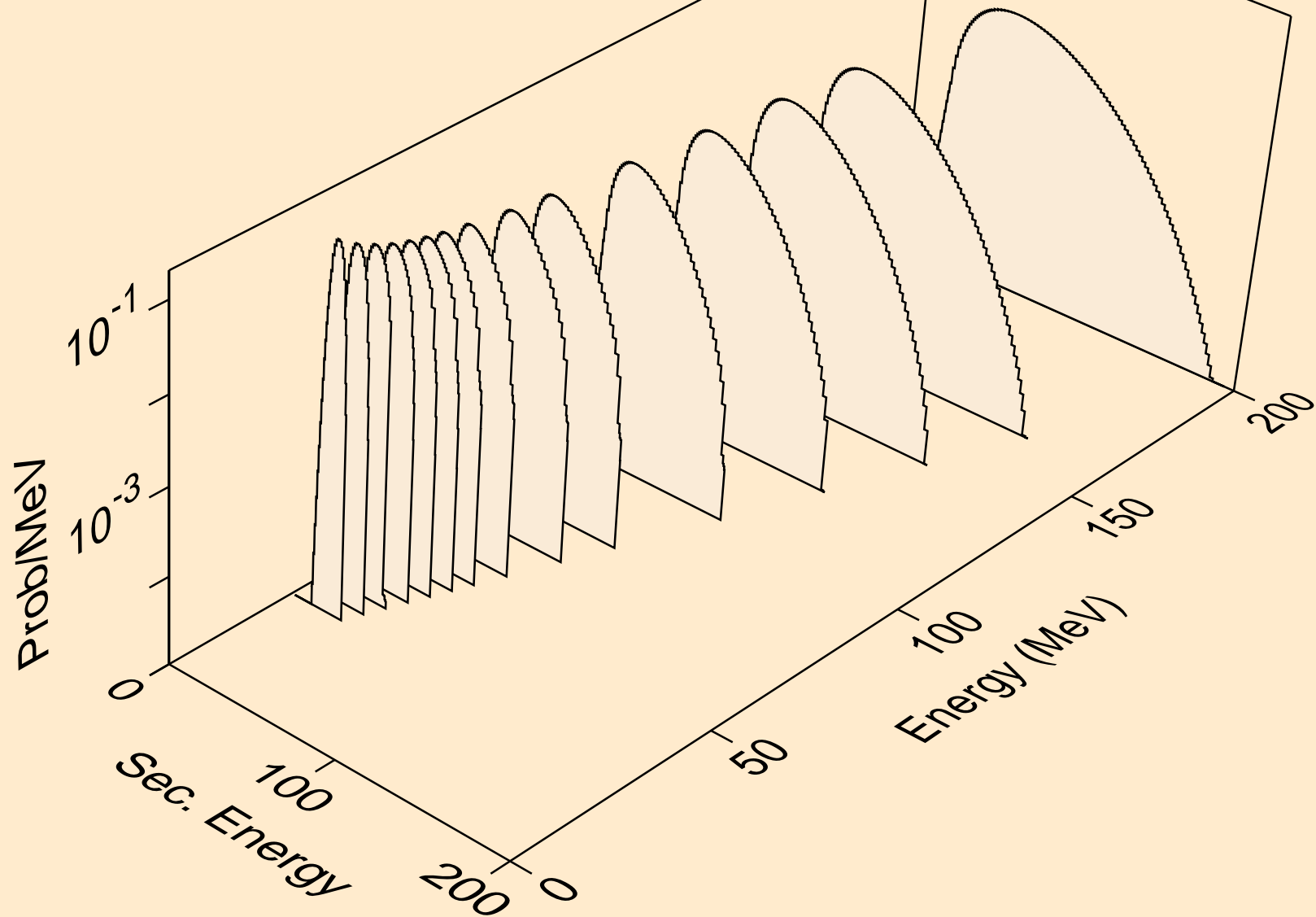




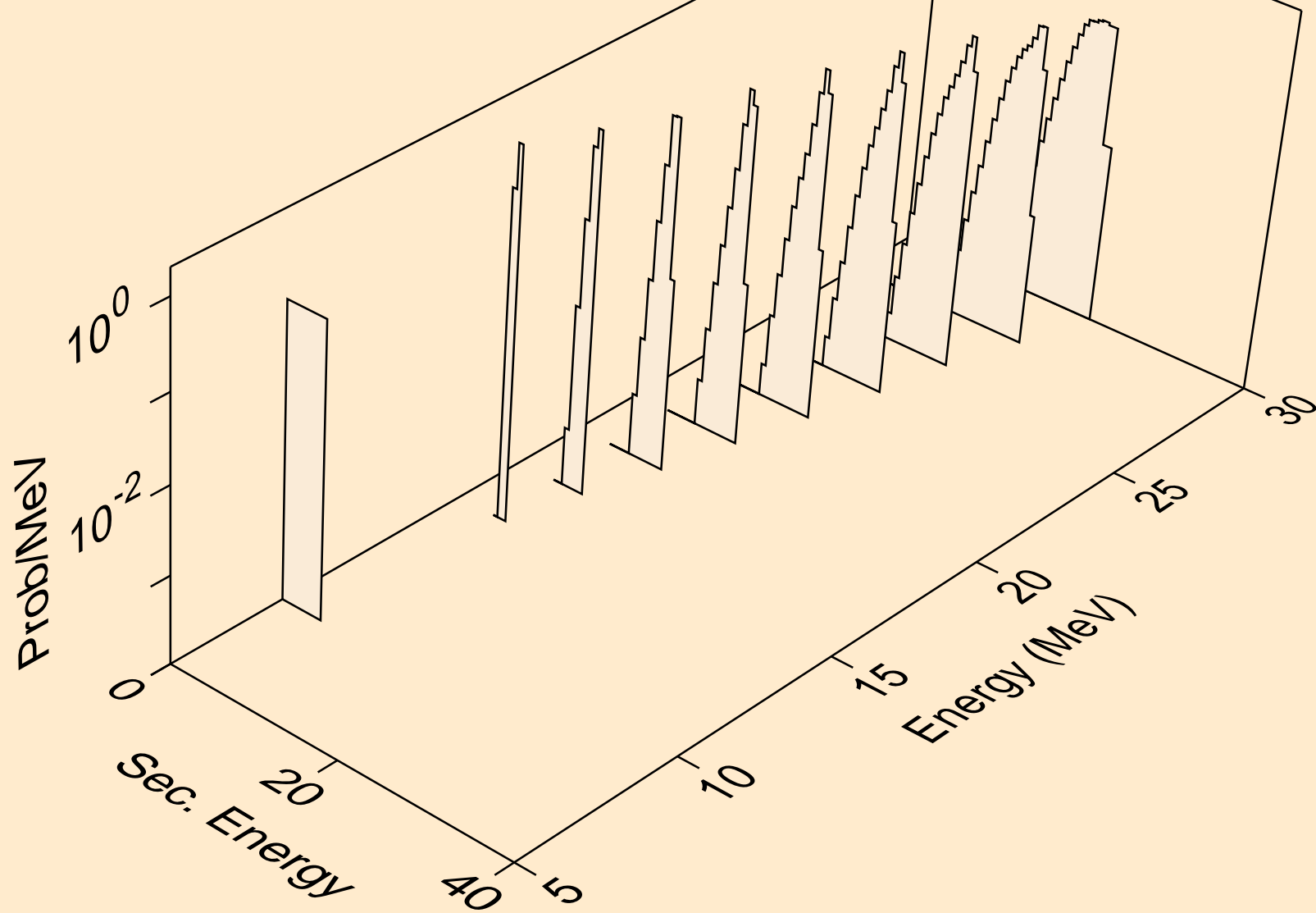
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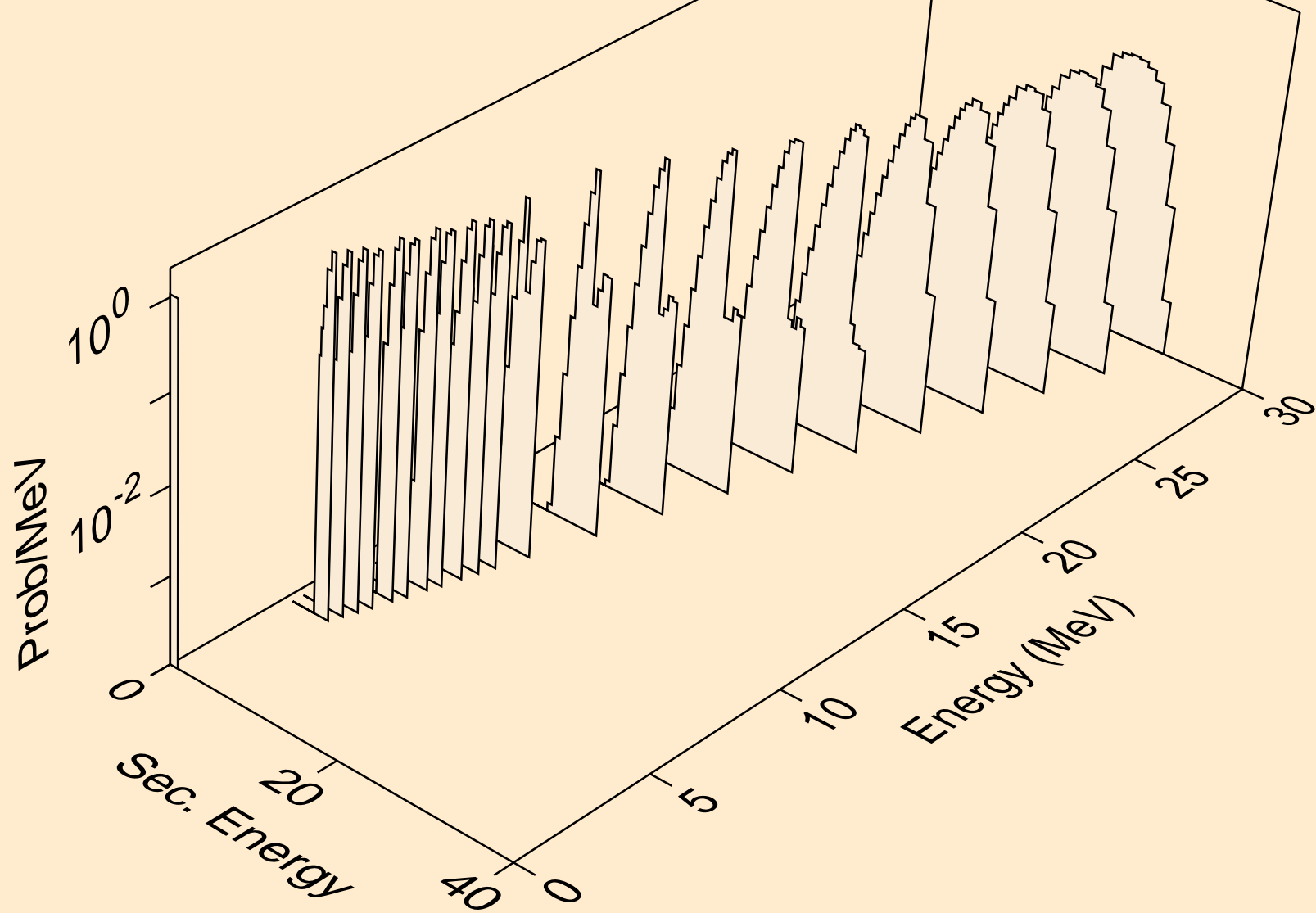
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he3s from (n,x)



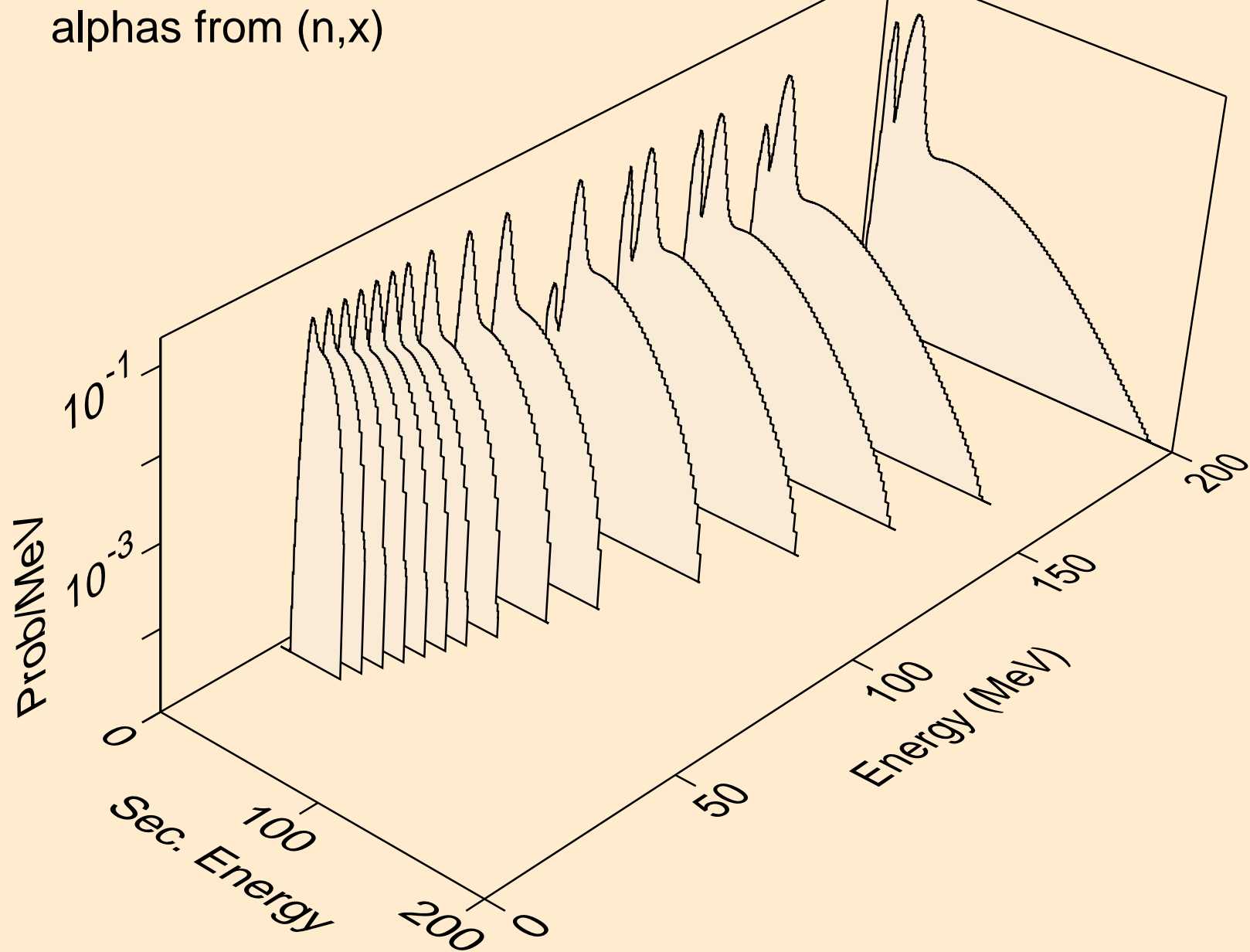
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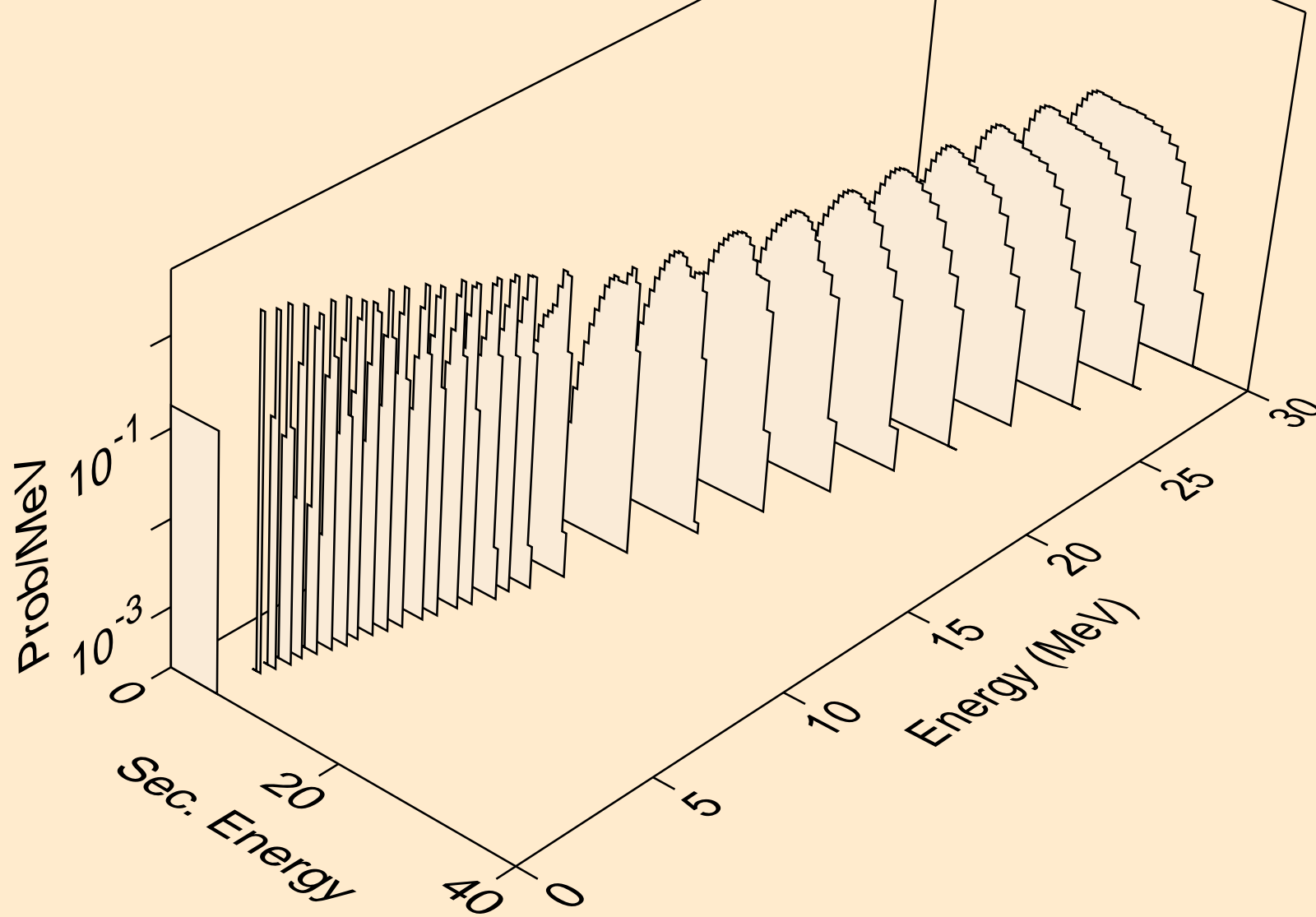
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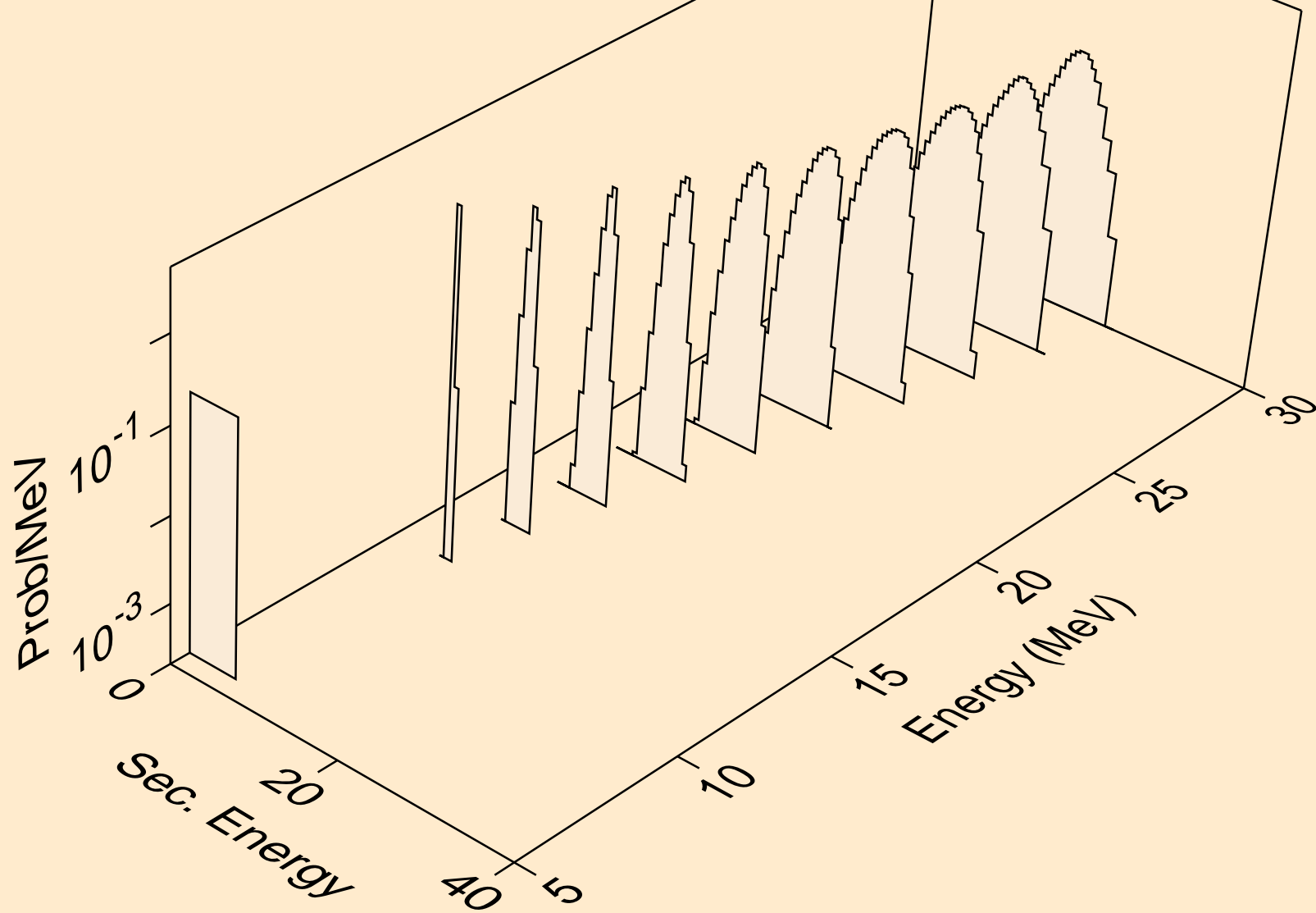
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



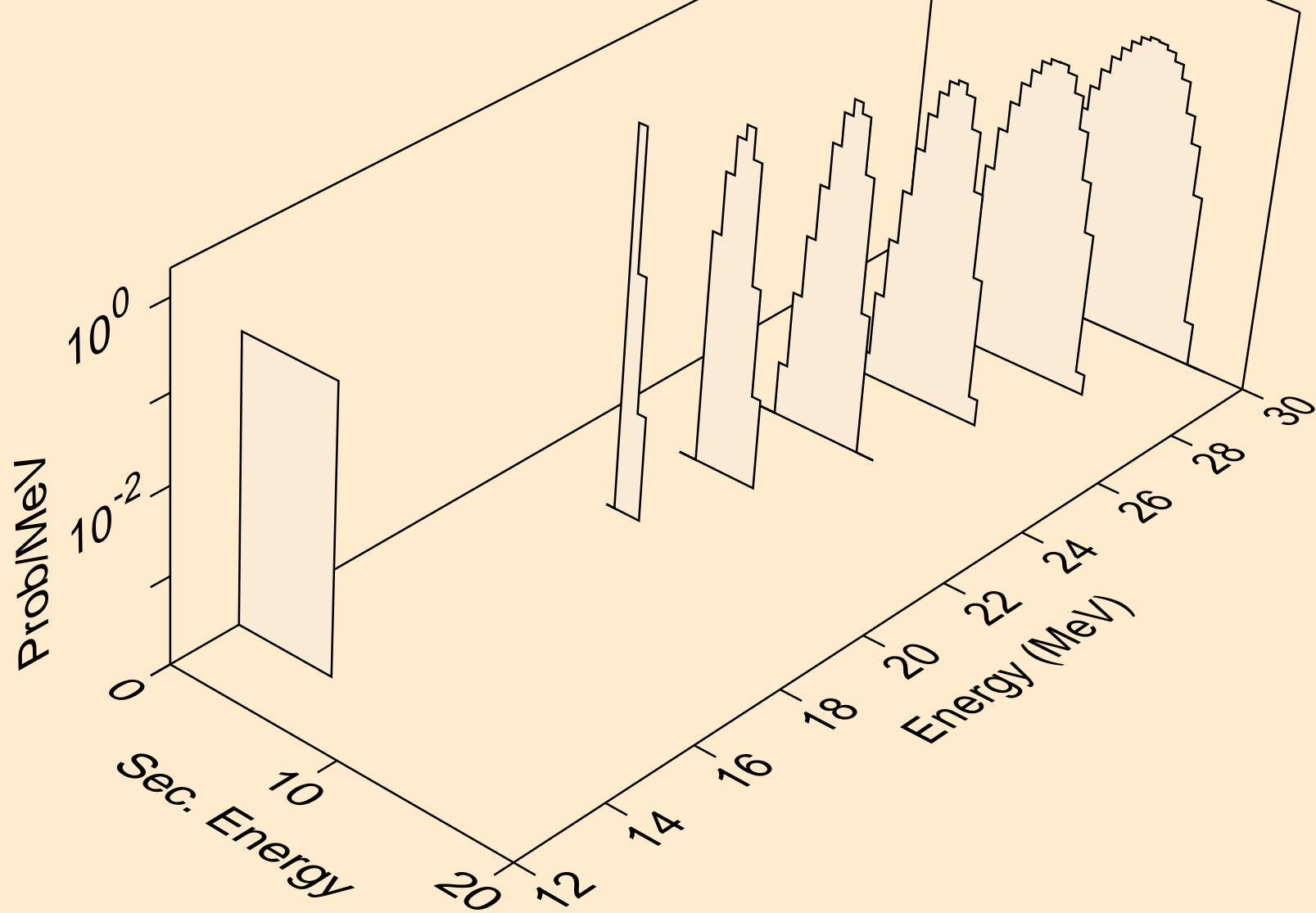
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

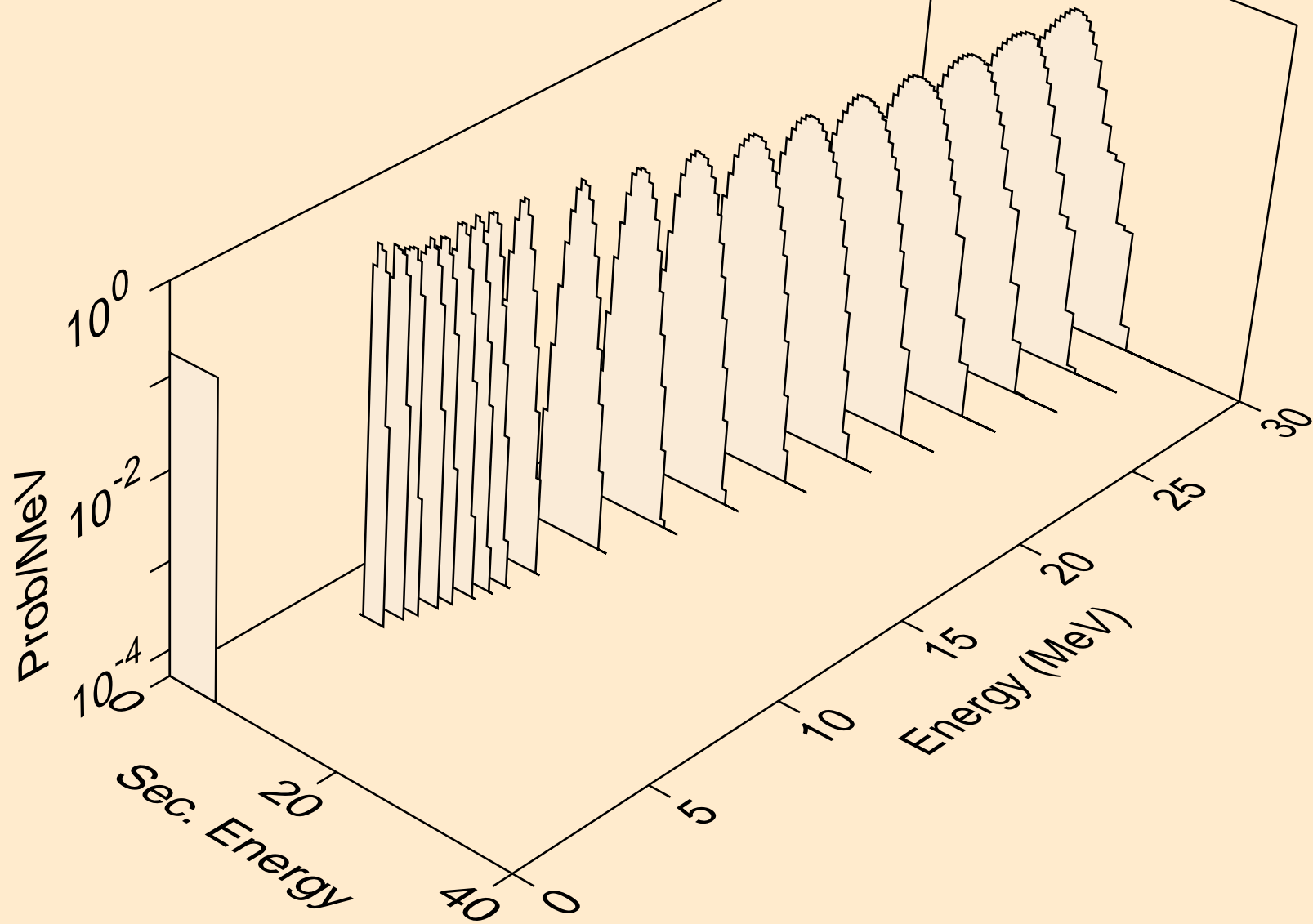


OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

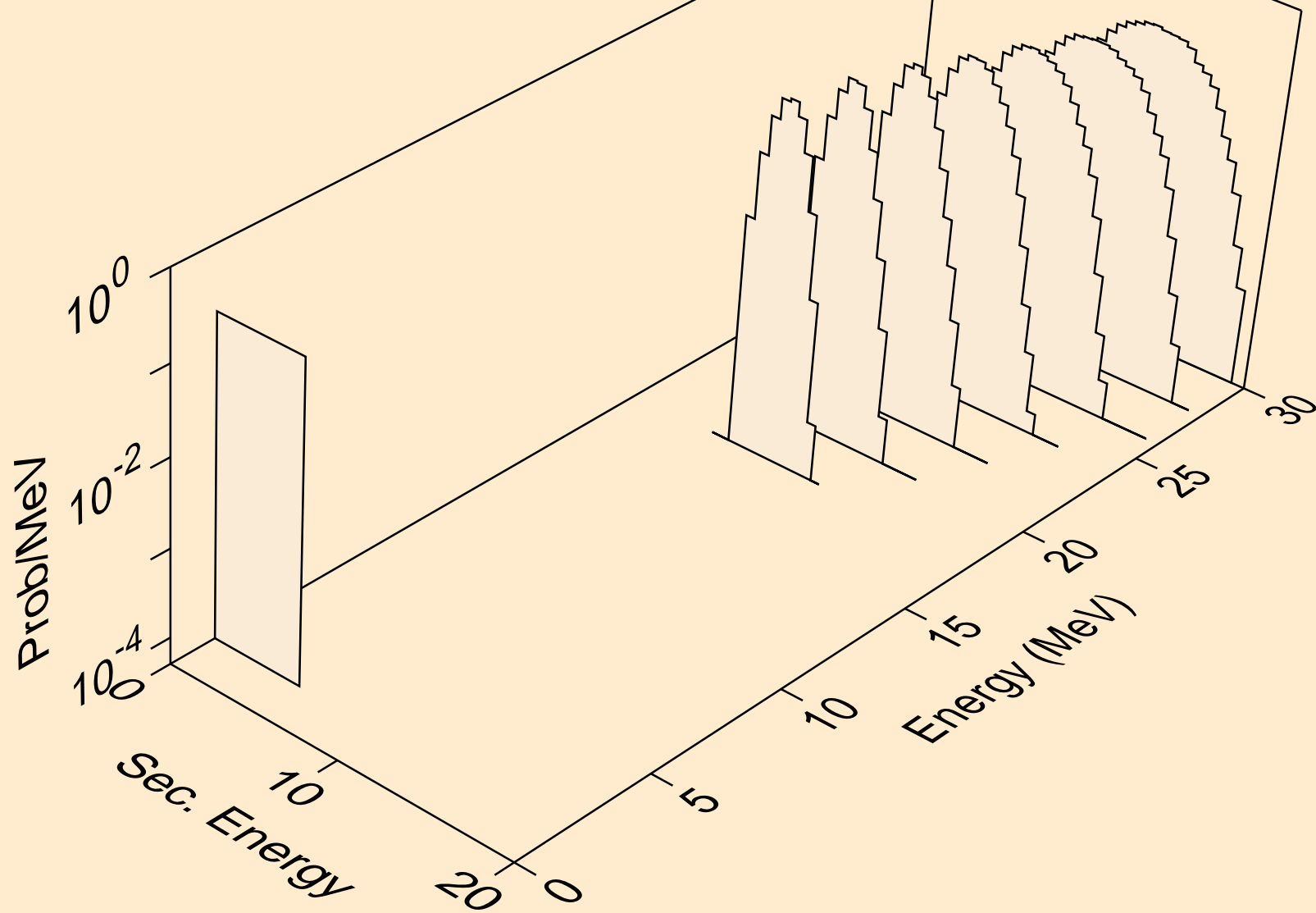




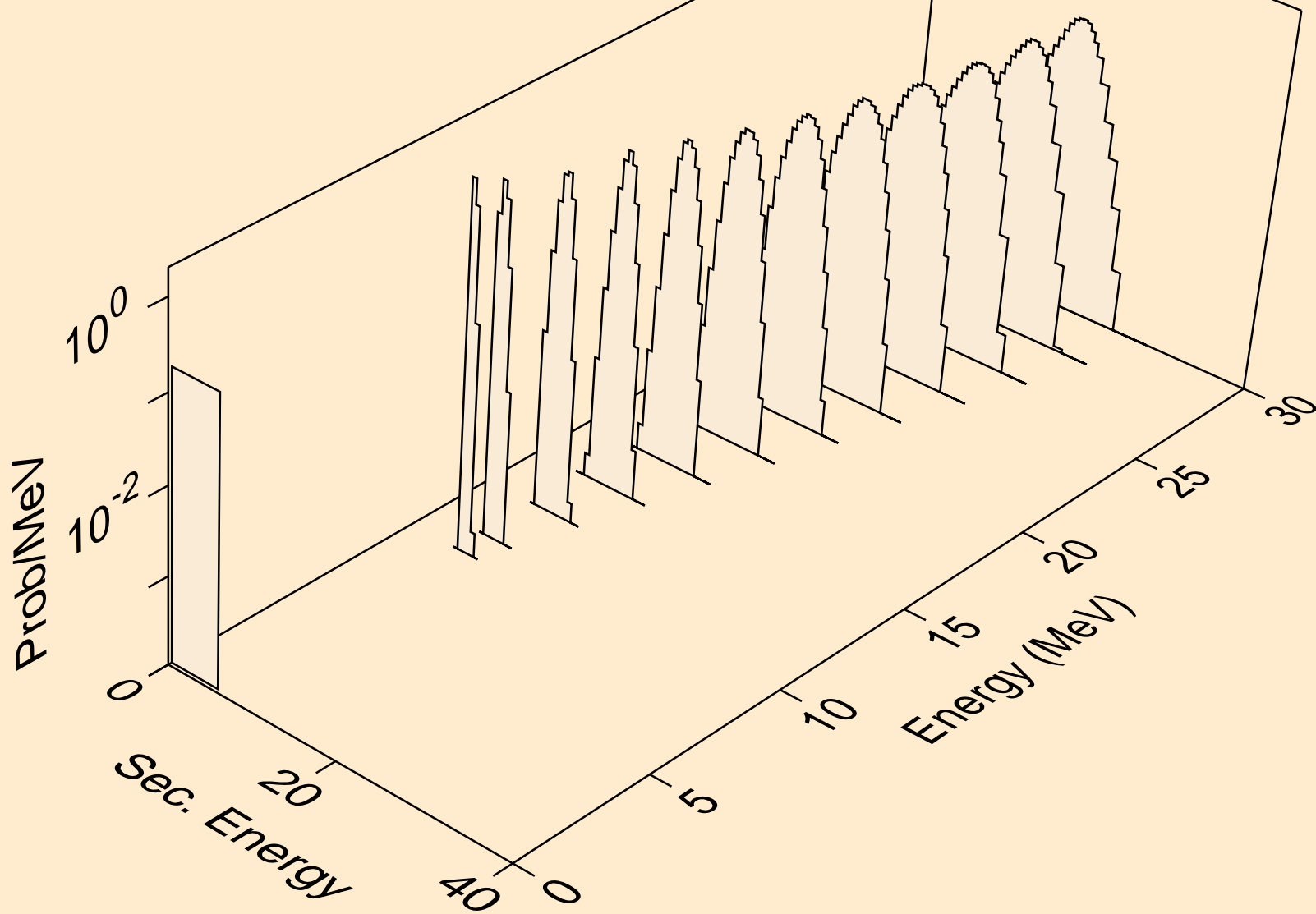
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



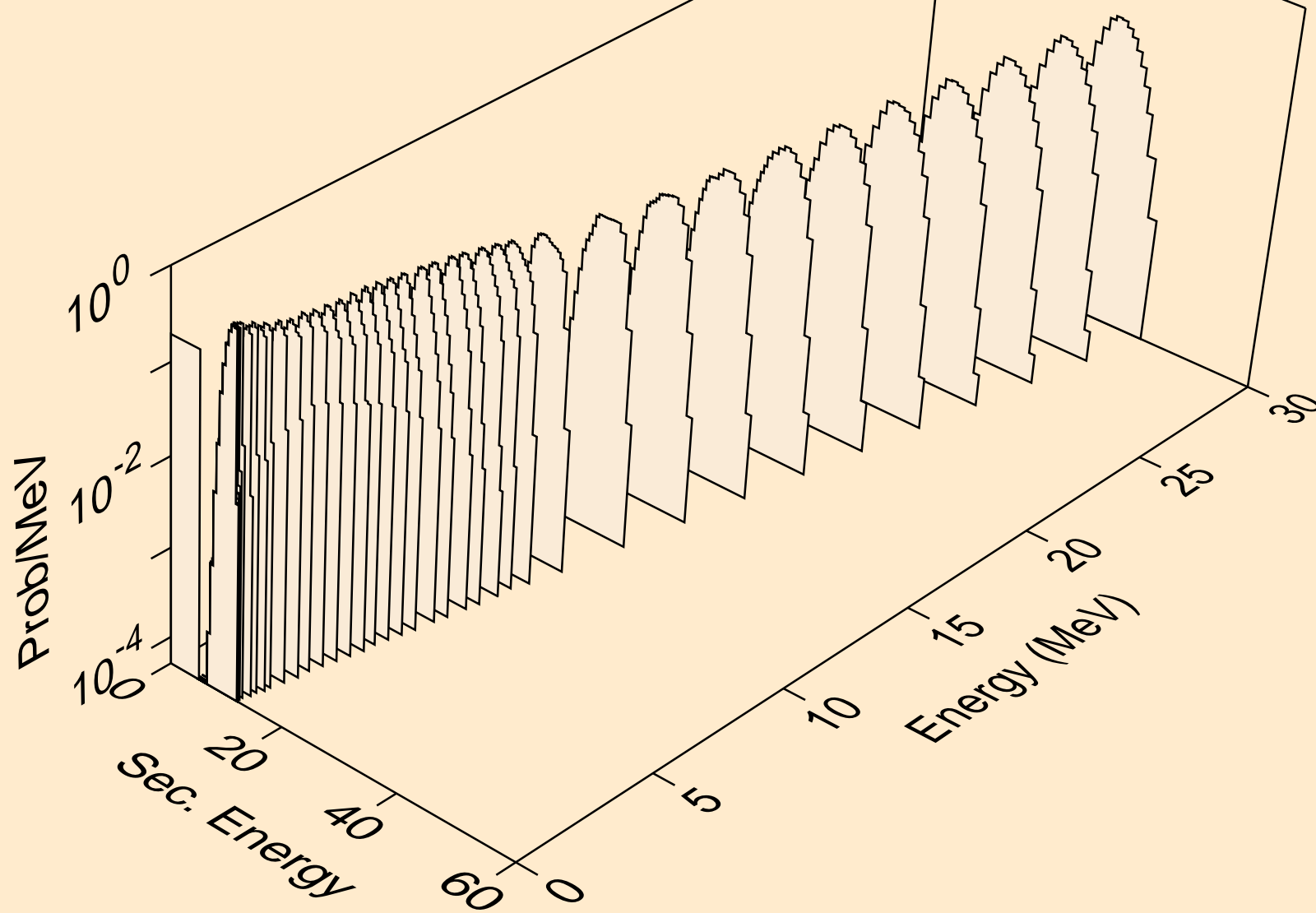
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



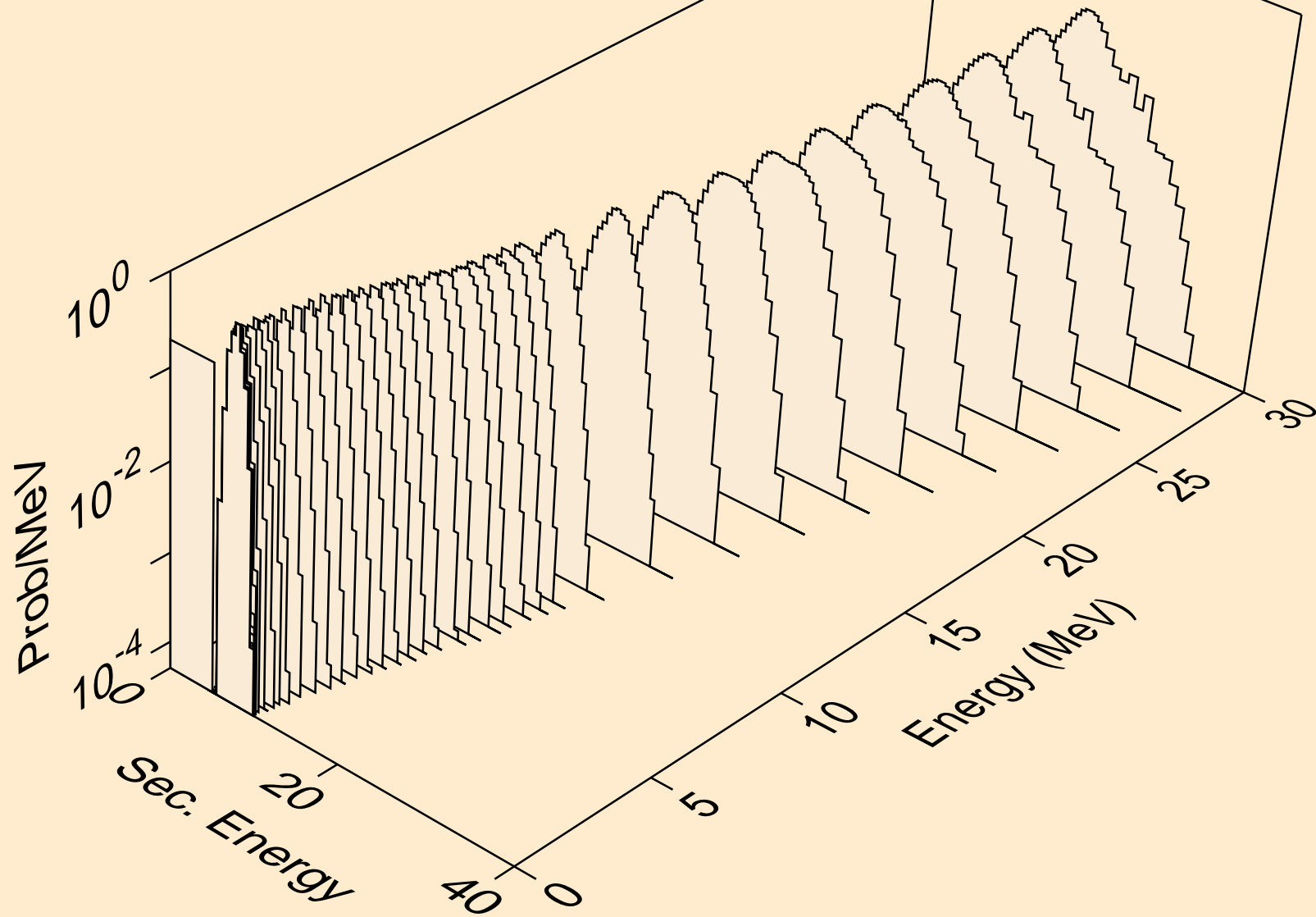
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



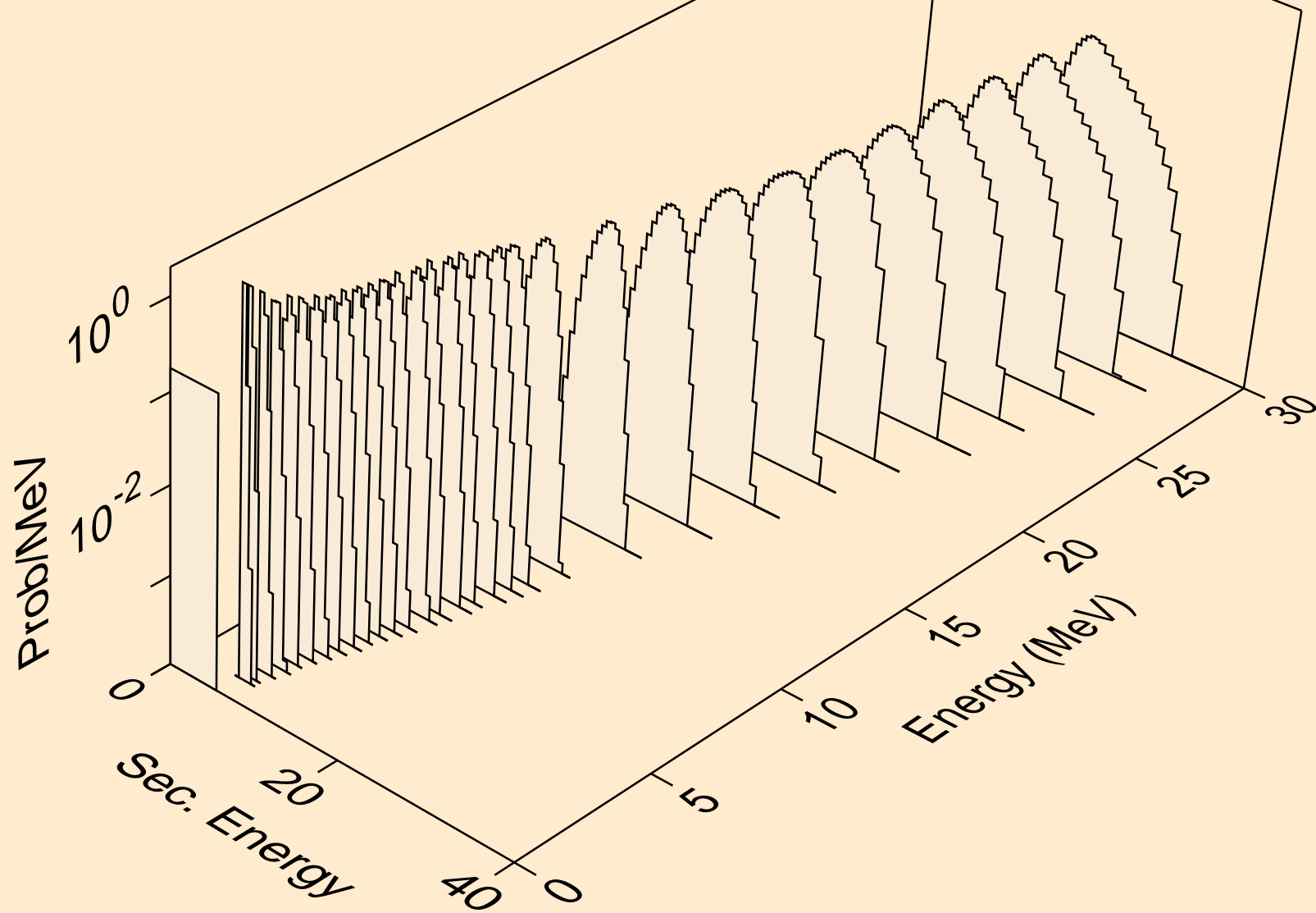
OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



OS176 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

