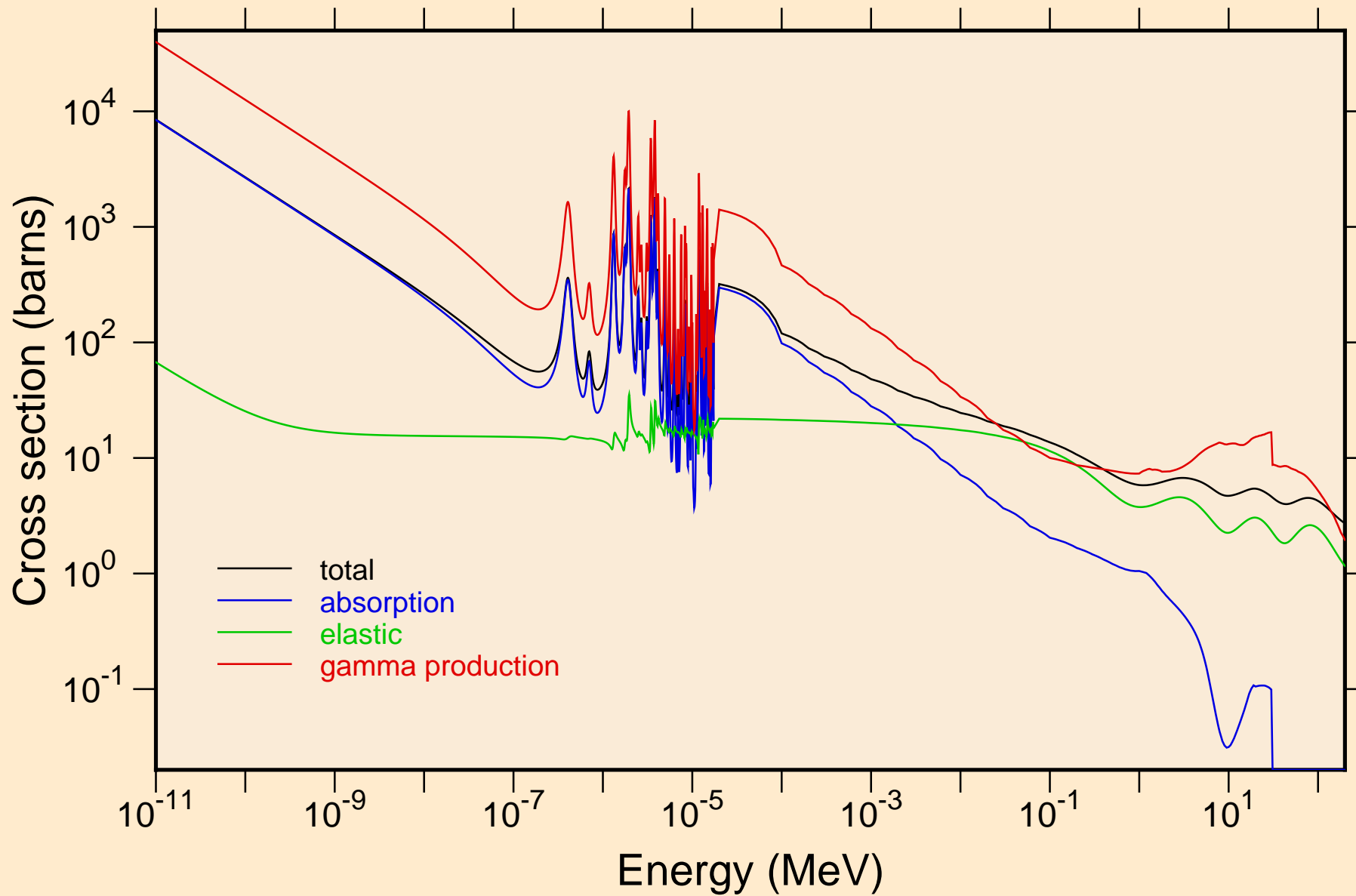
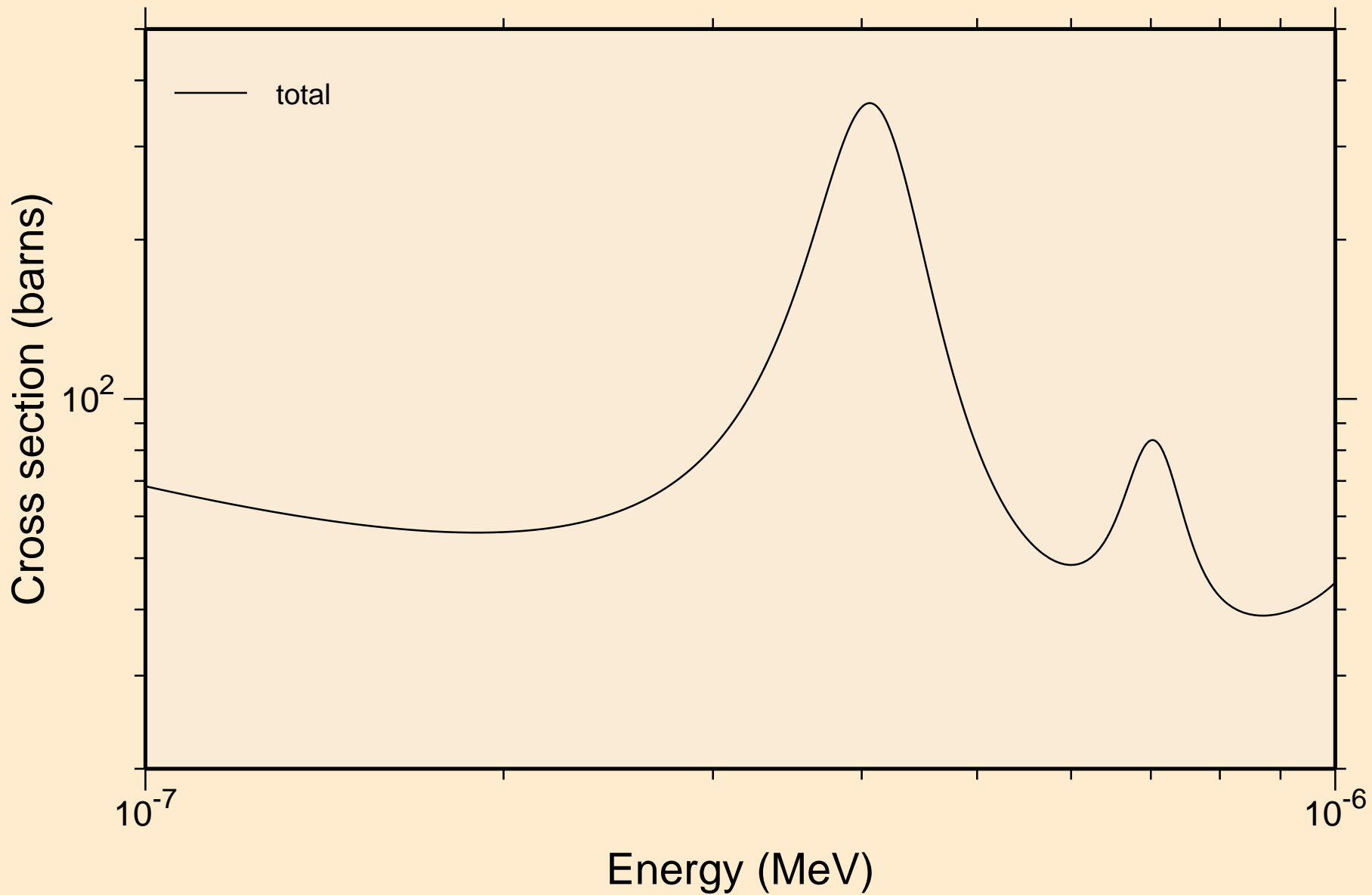


# OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

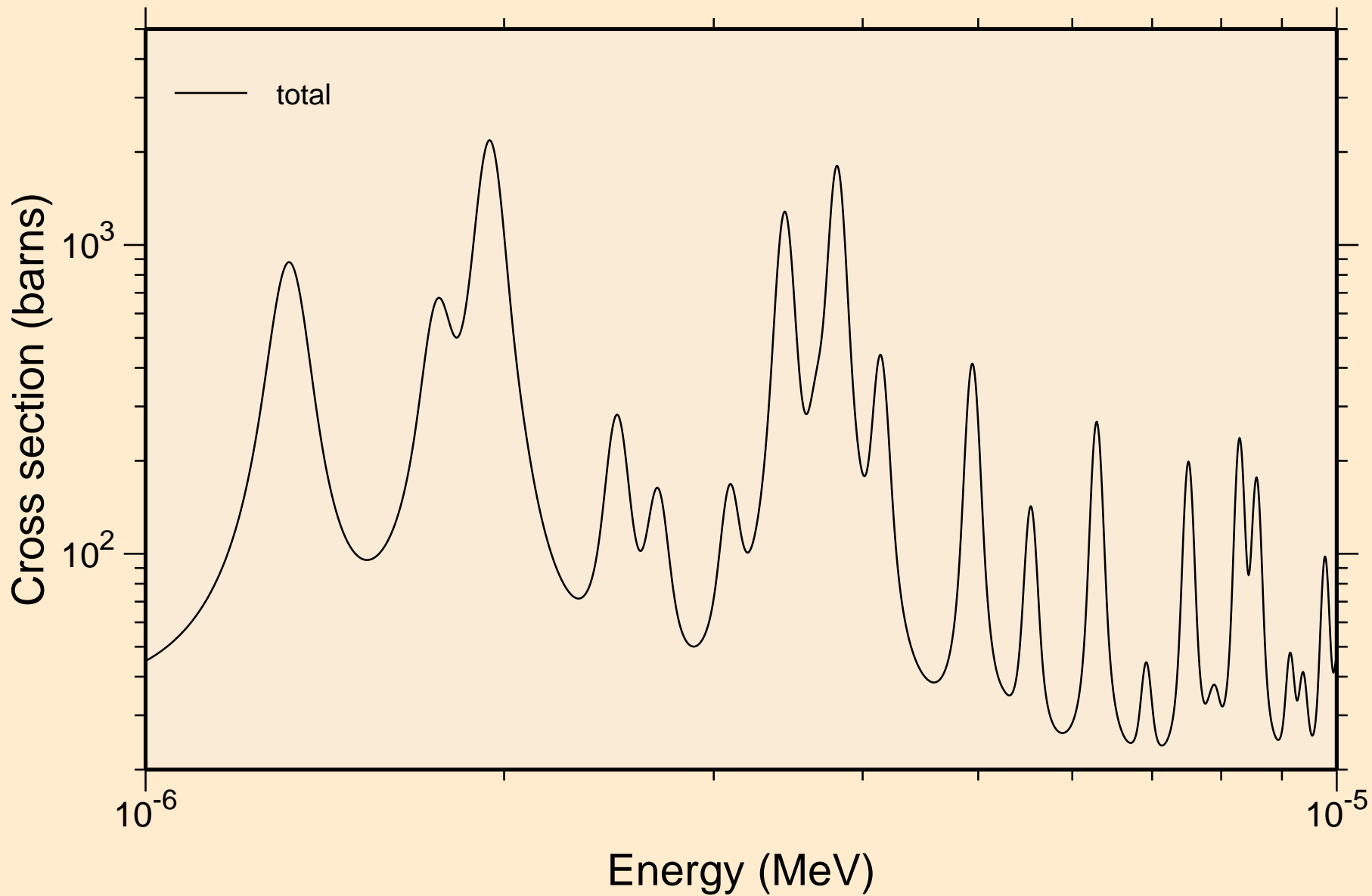
## Principal cross sections



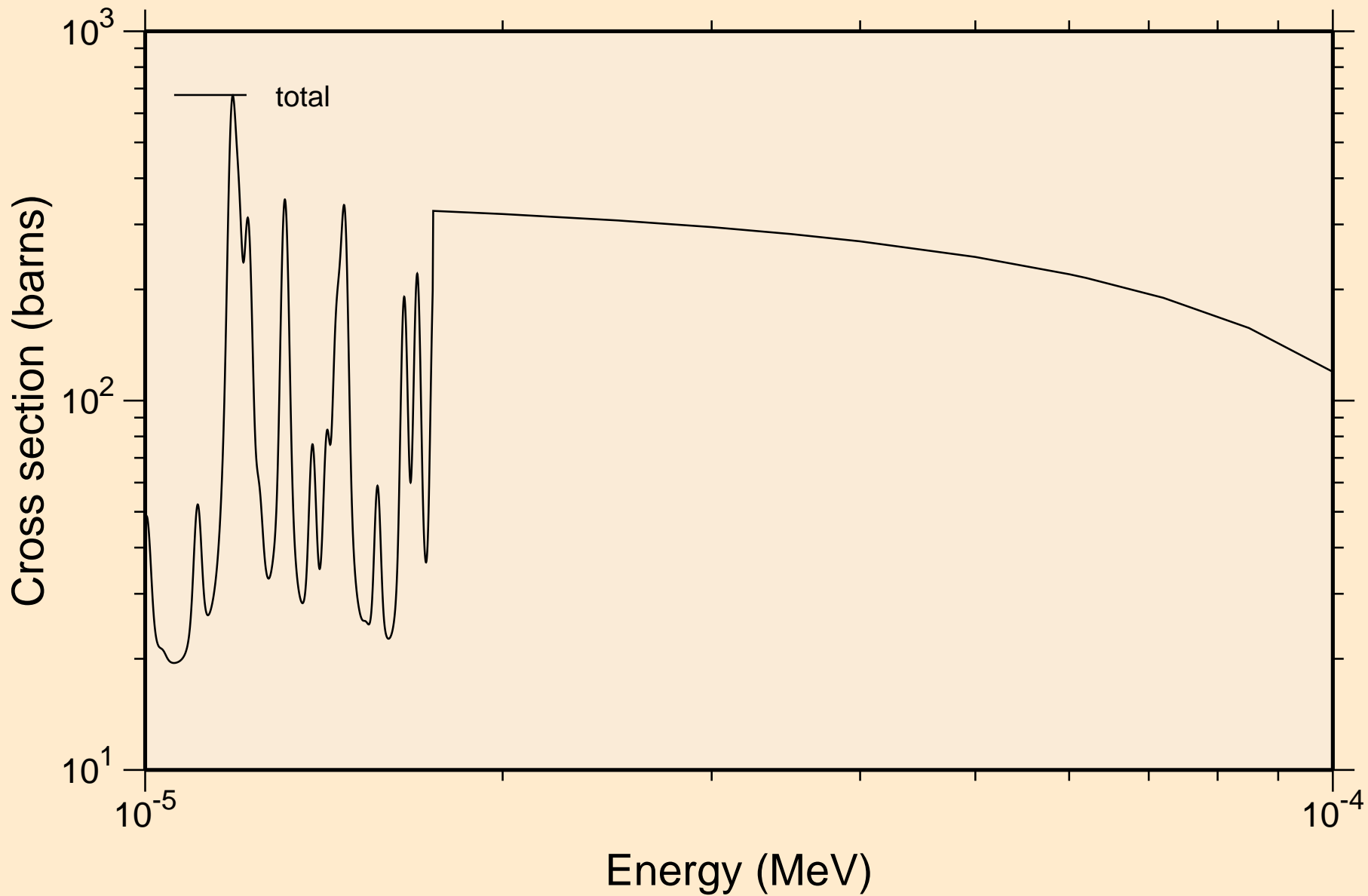
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resonance total cross section



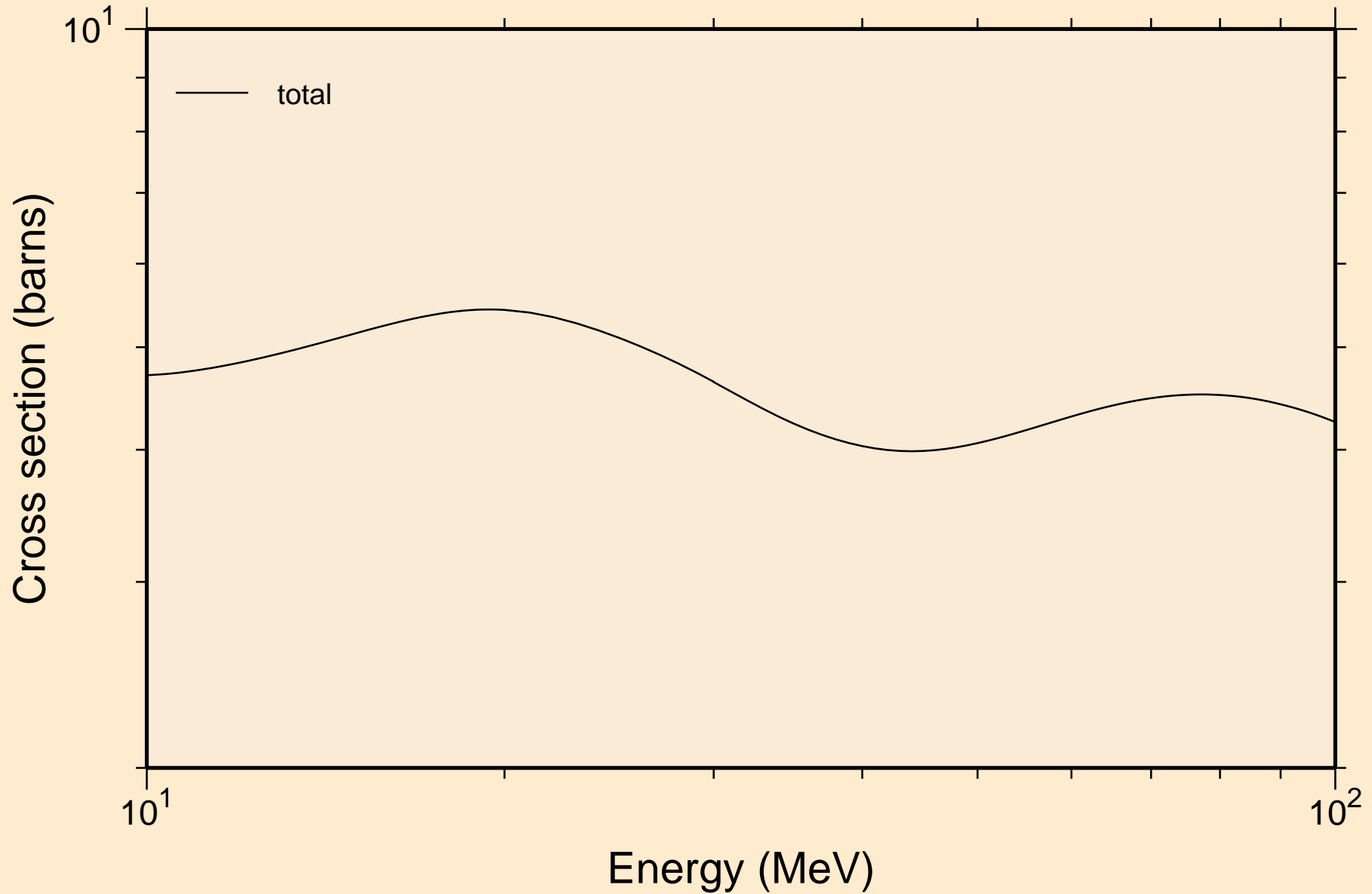
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



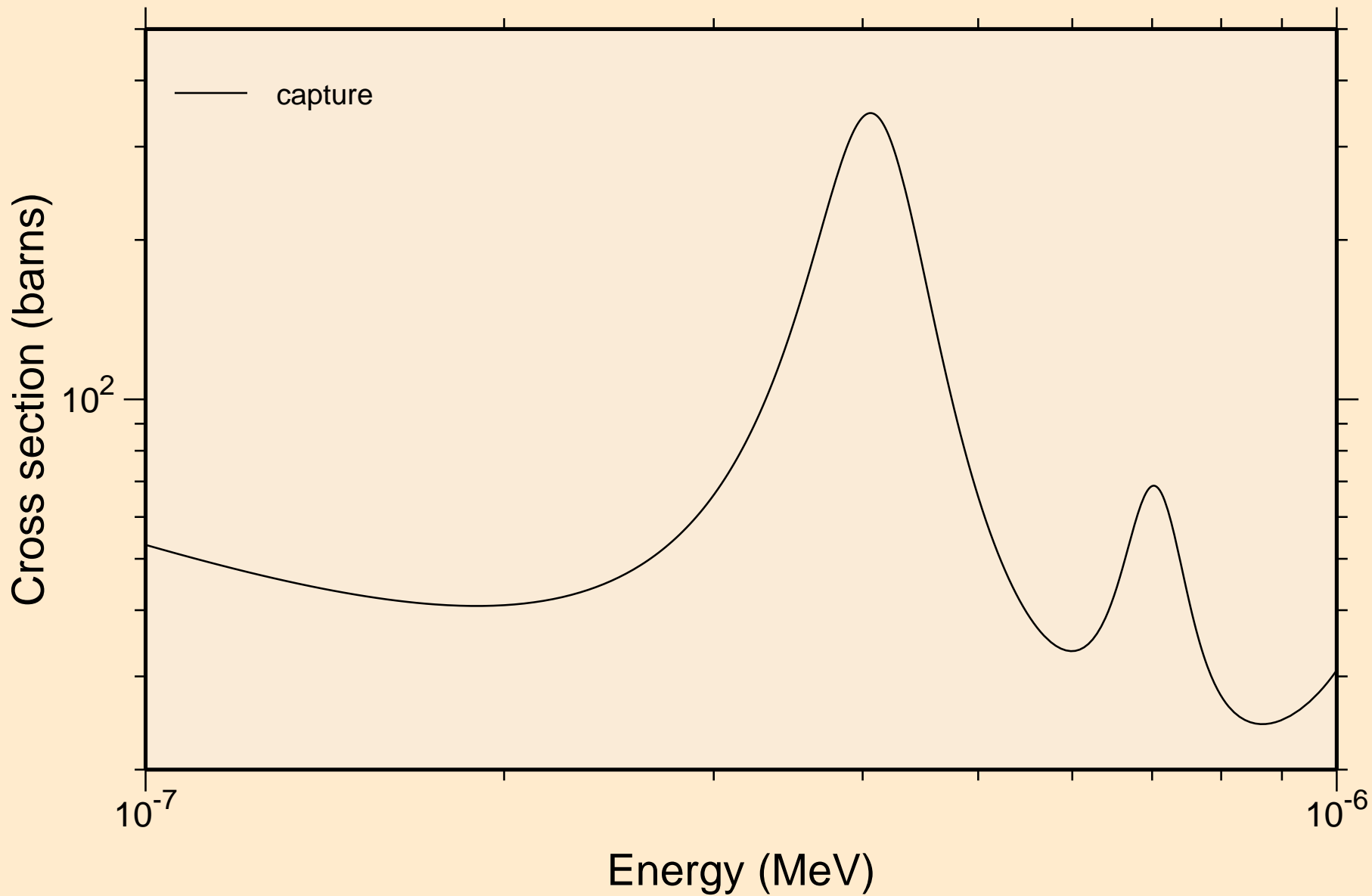
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



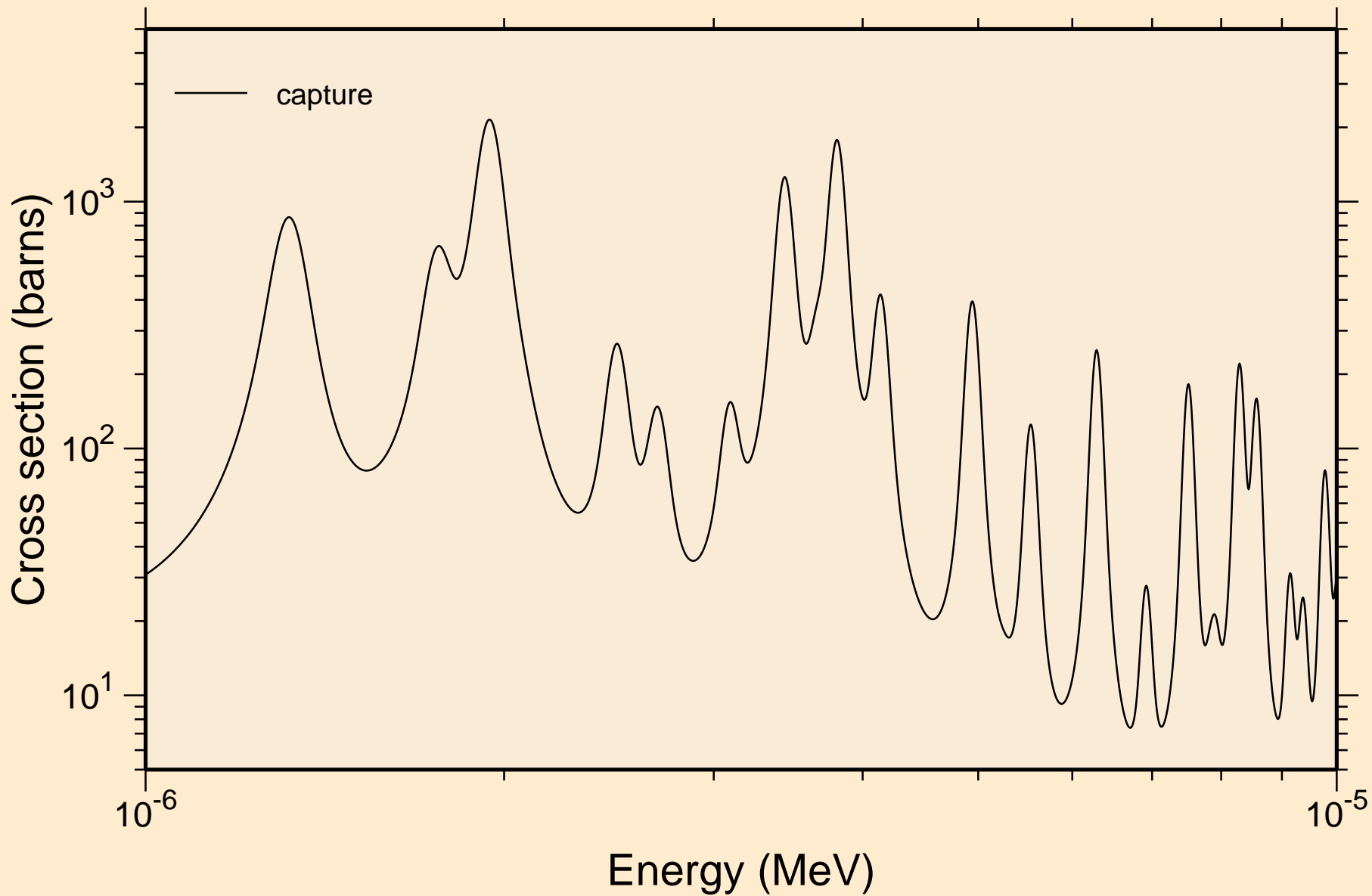
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



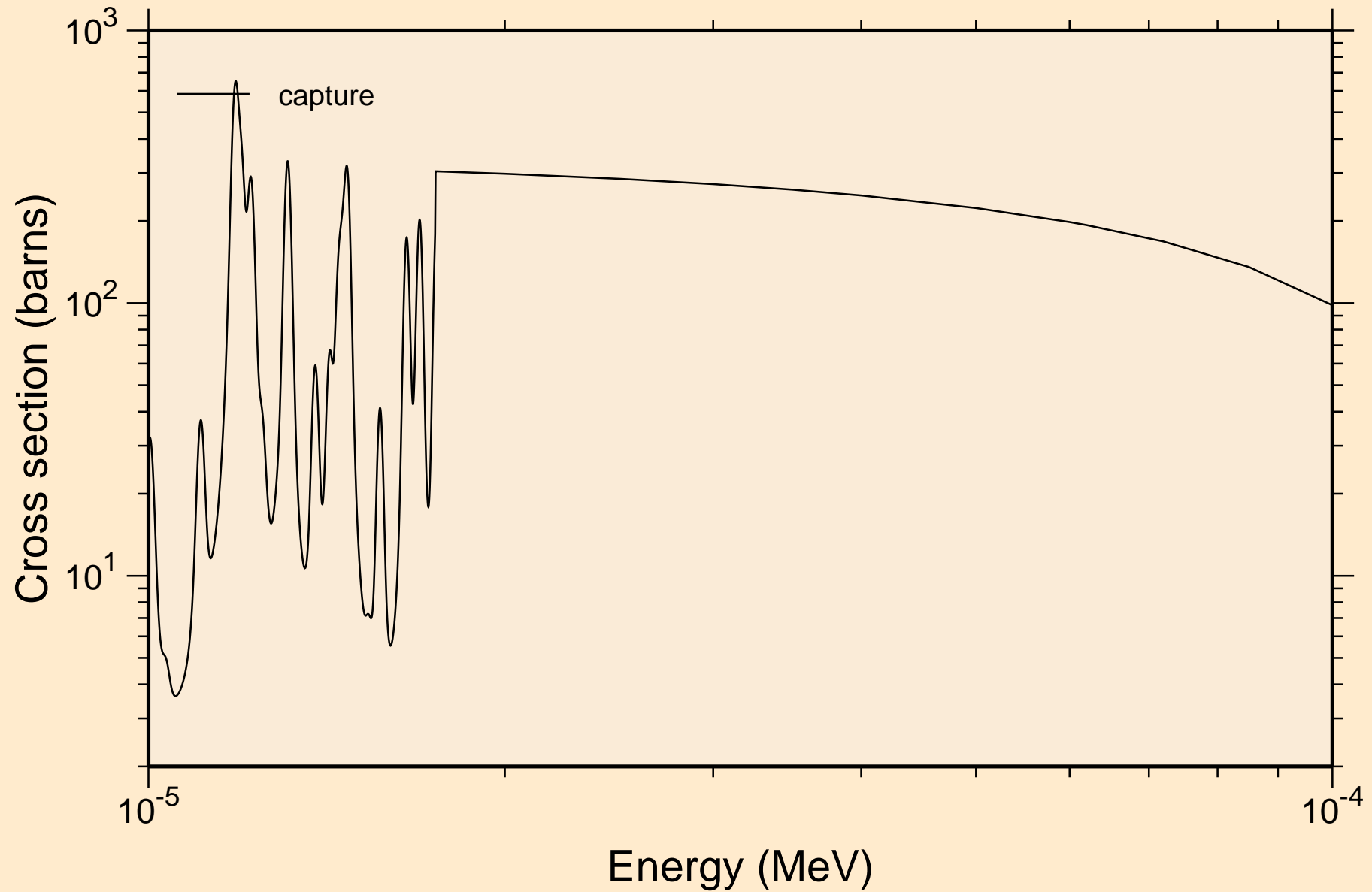
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

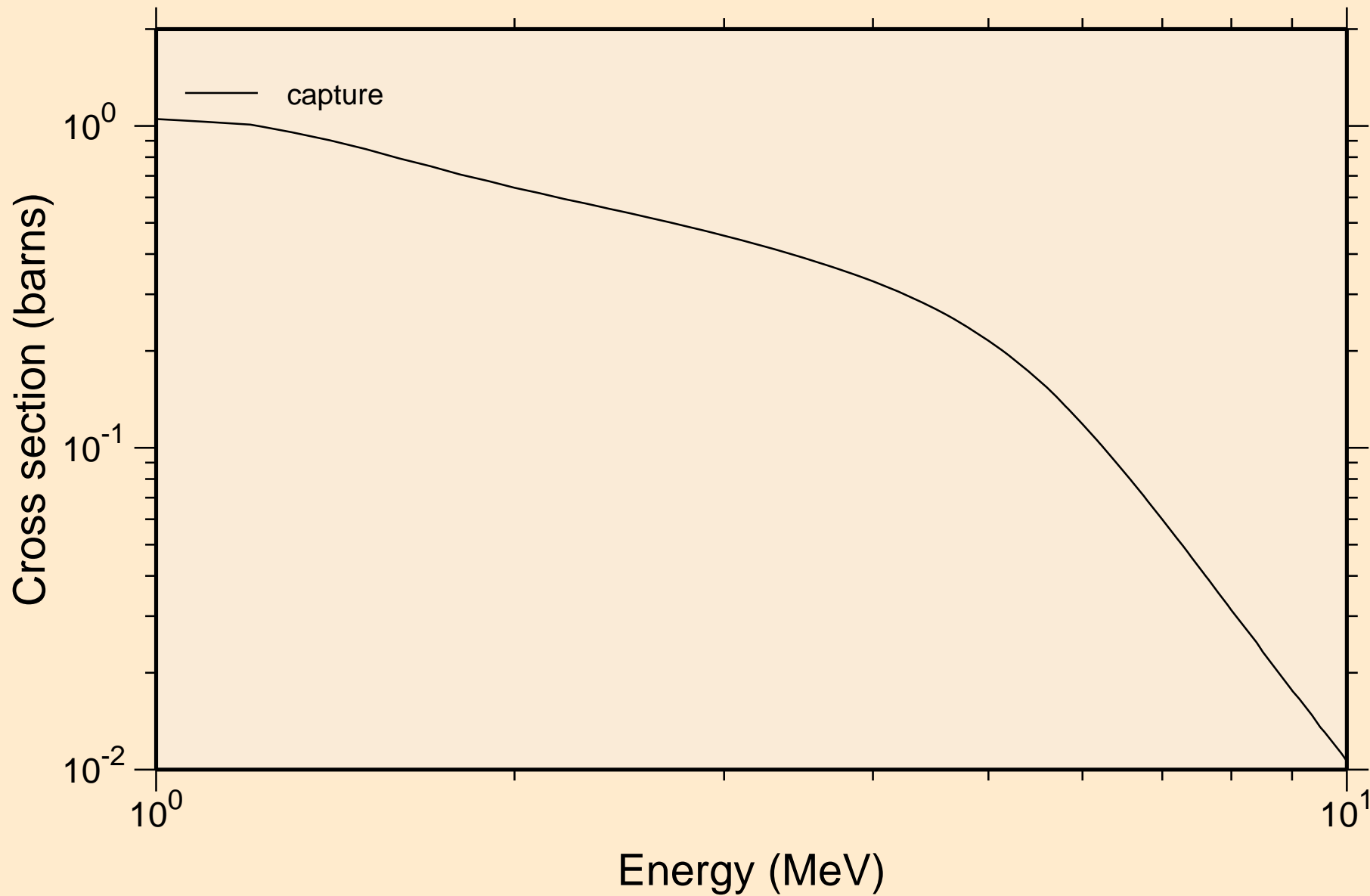


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

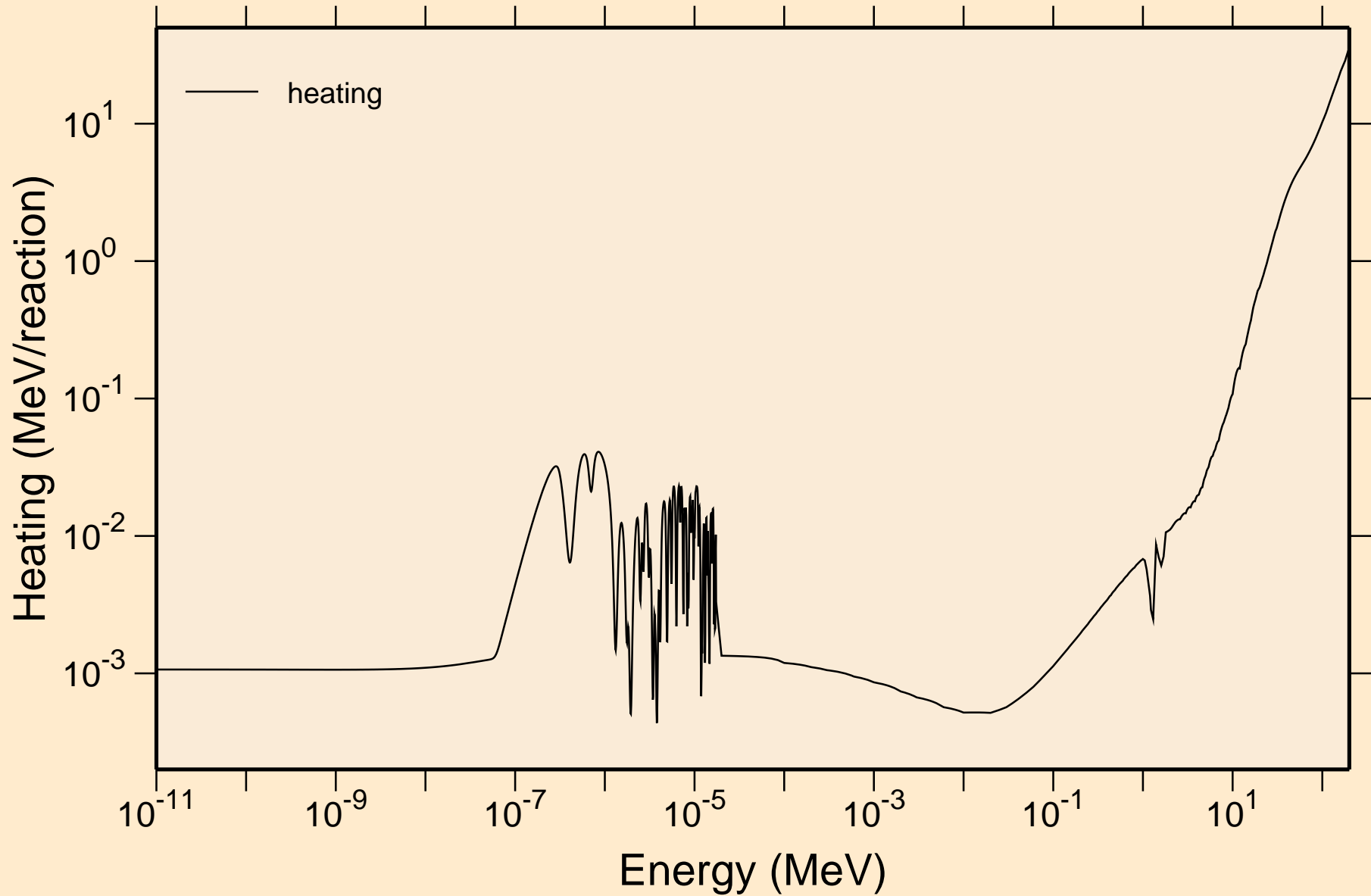




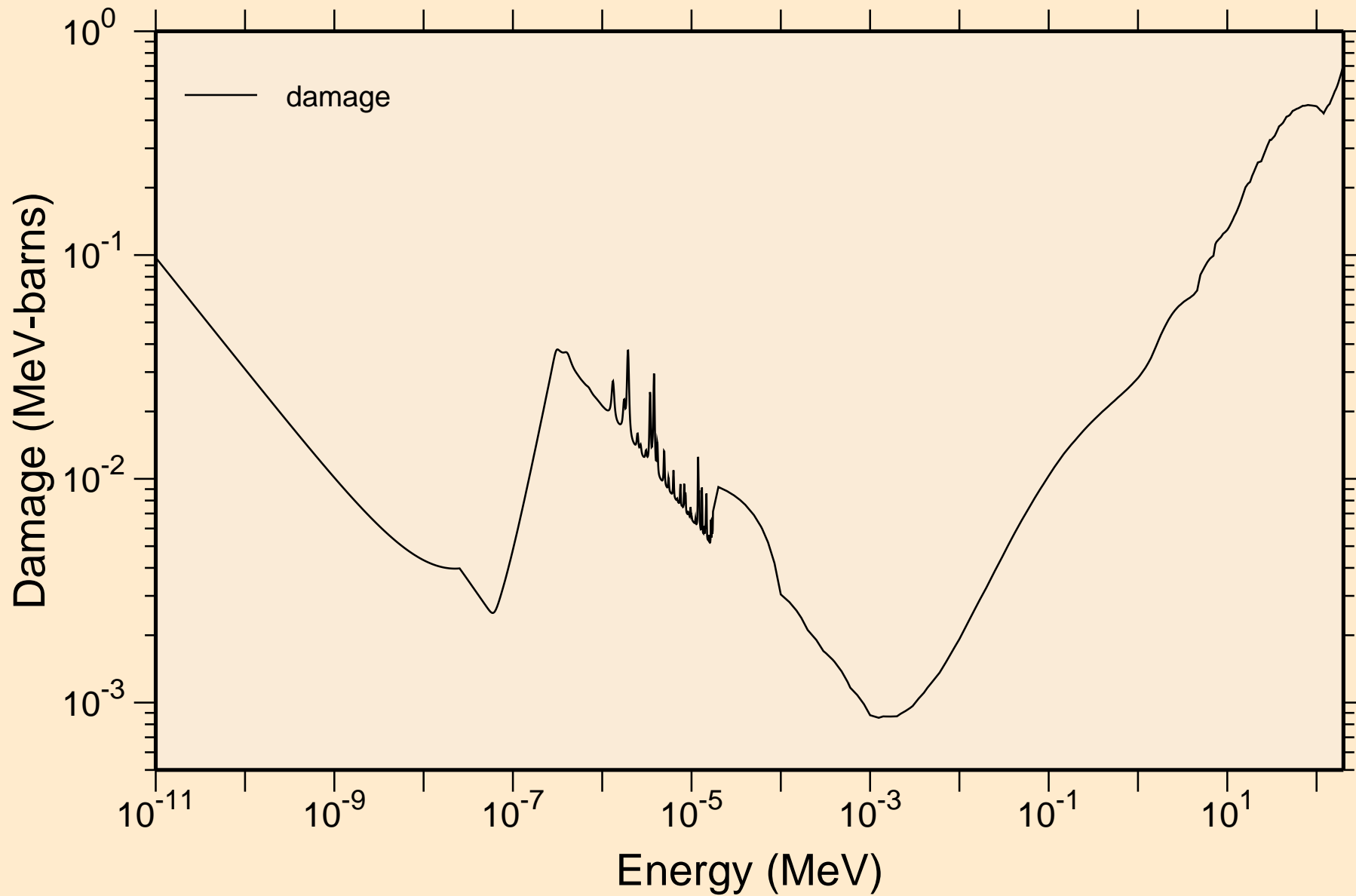
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



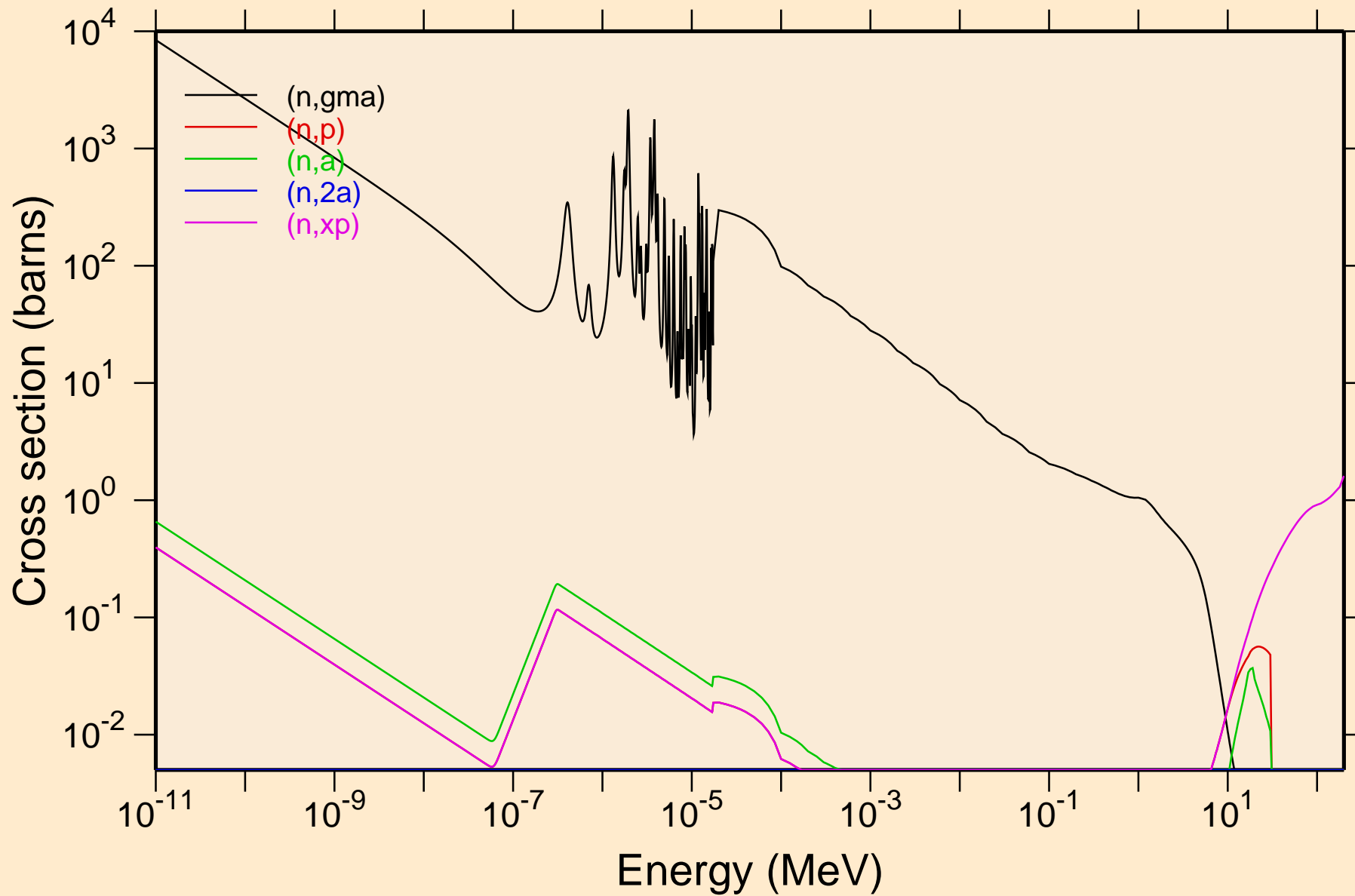
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



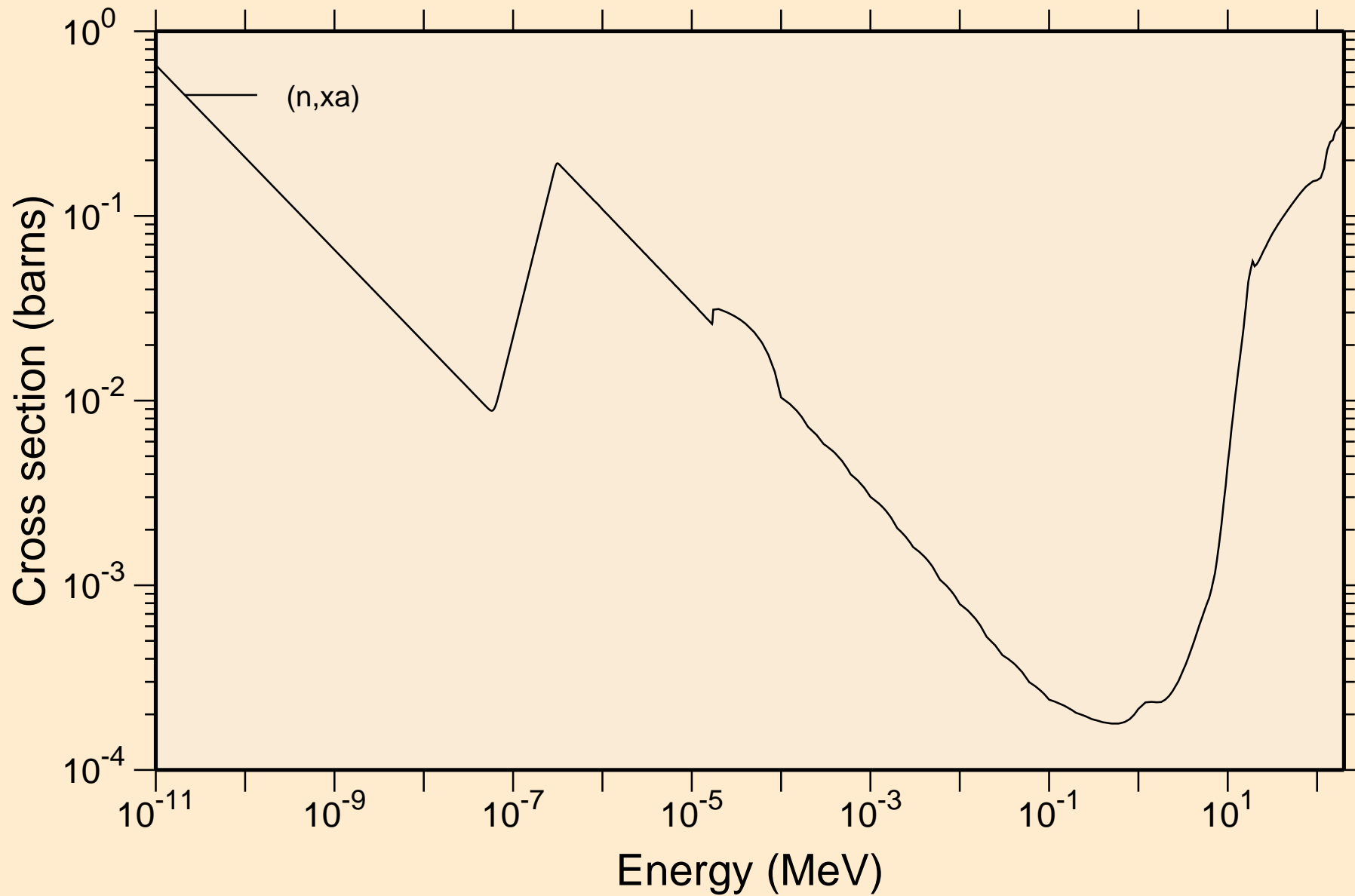
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

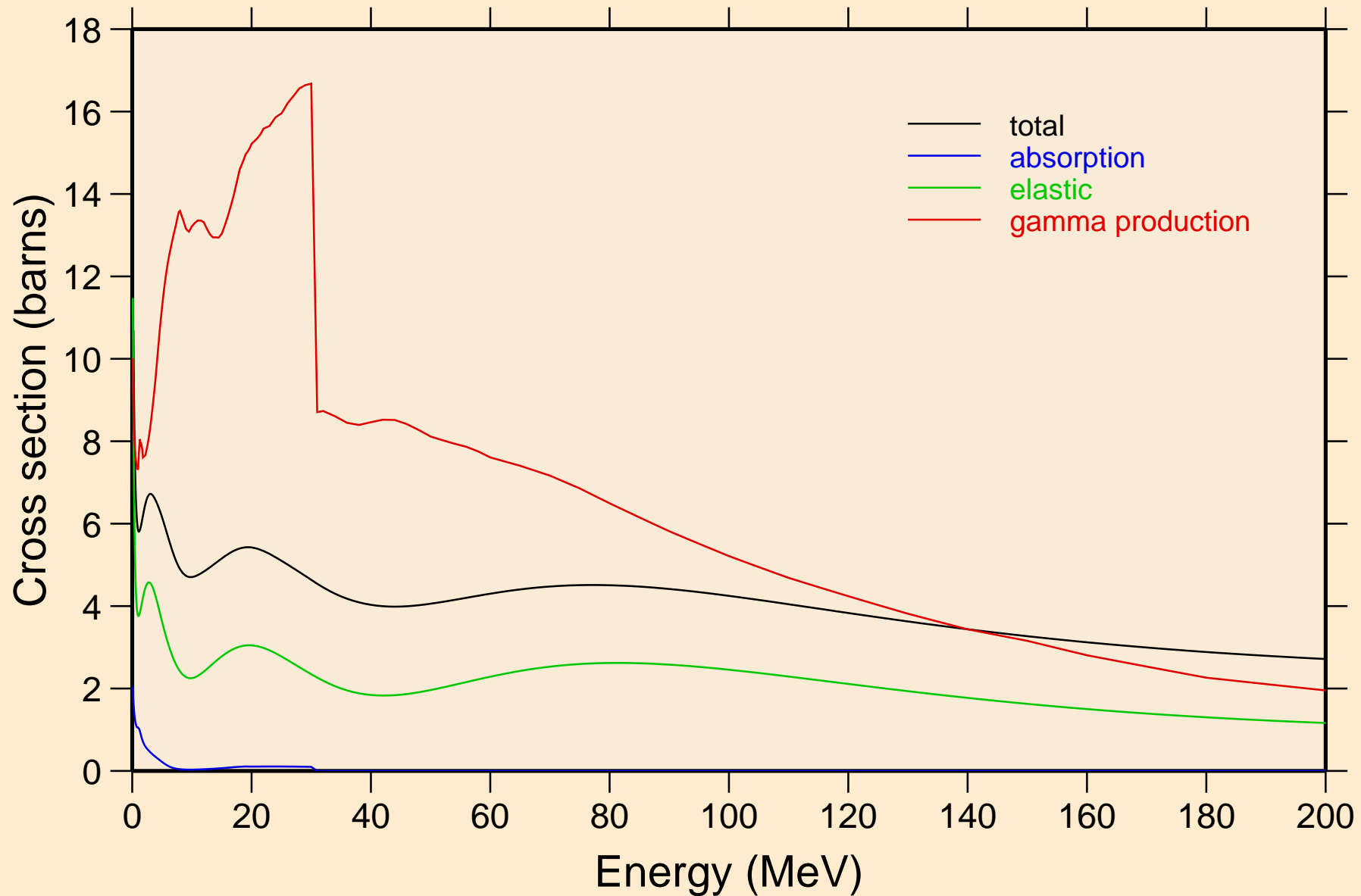


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Non-threshold reactions

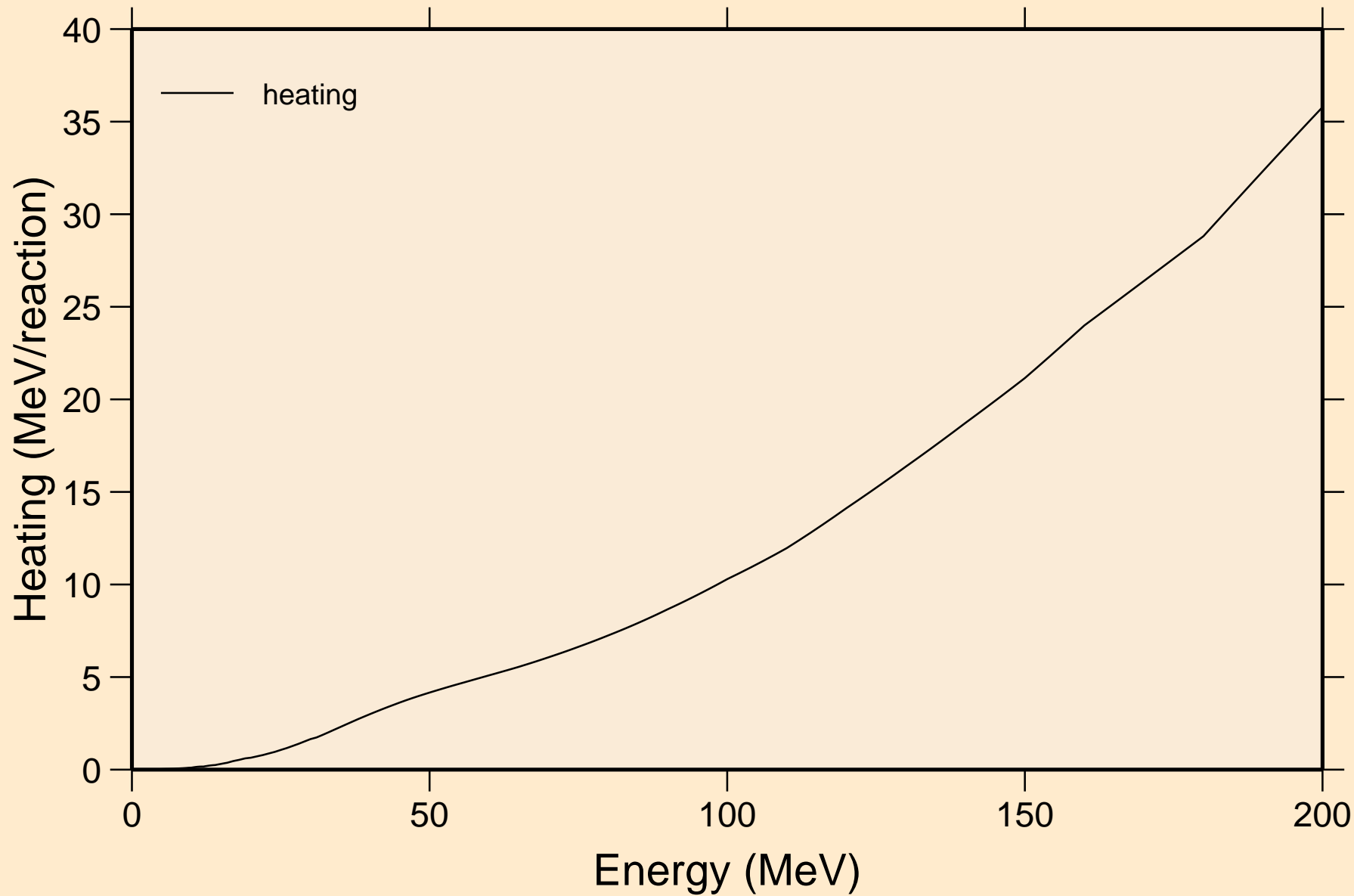


# OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

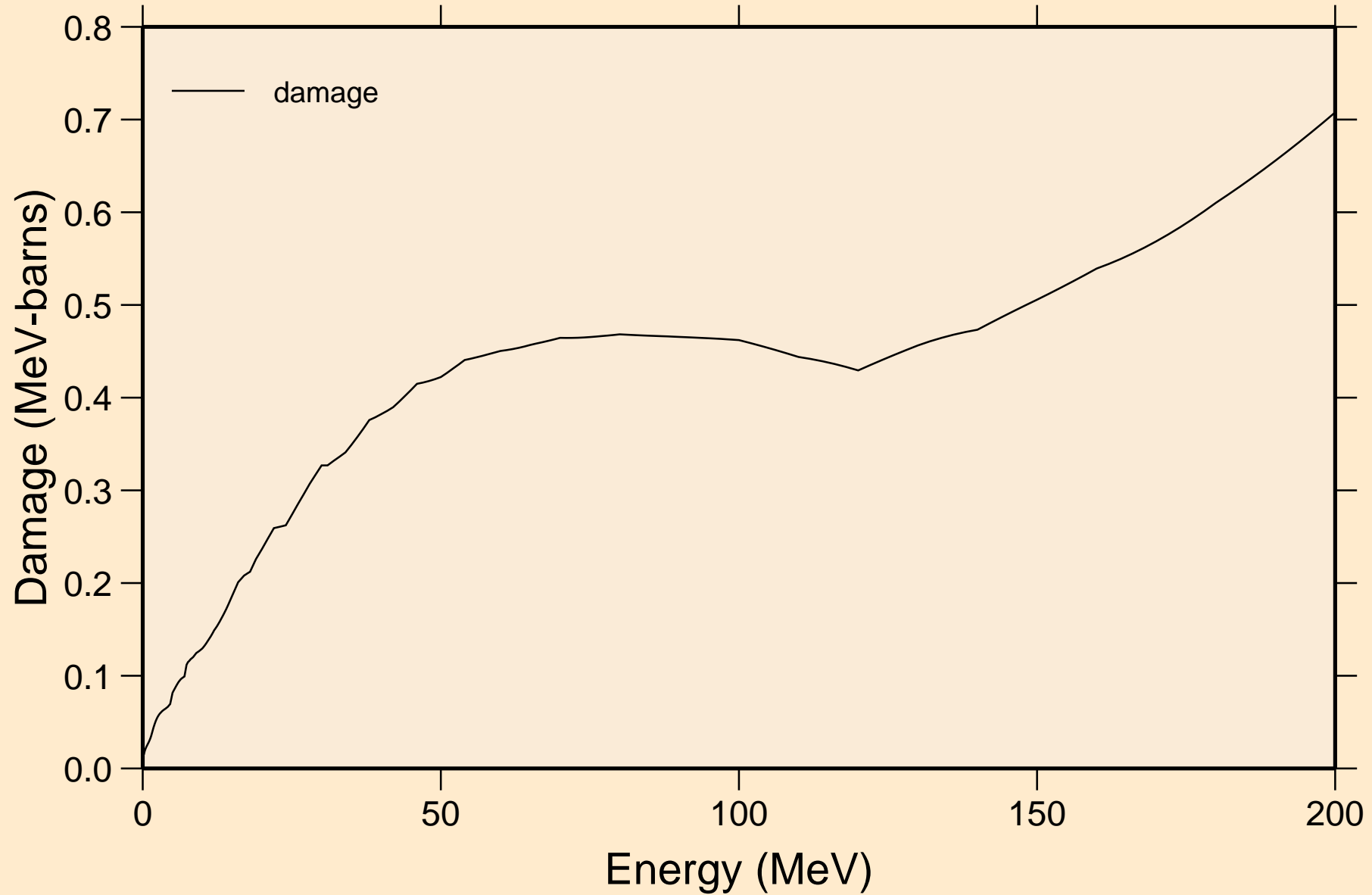
## Principal cross sections



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

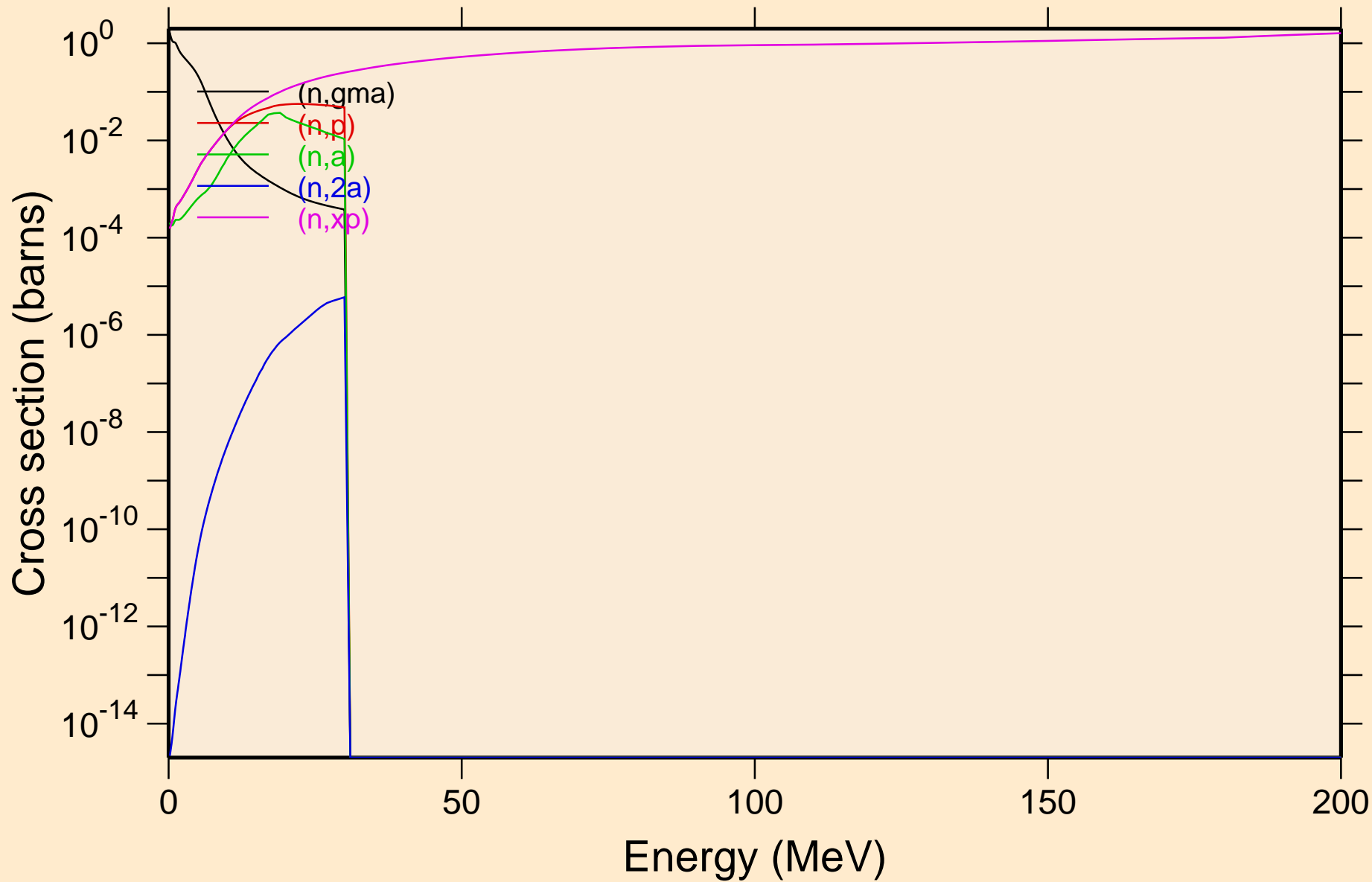


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Damage

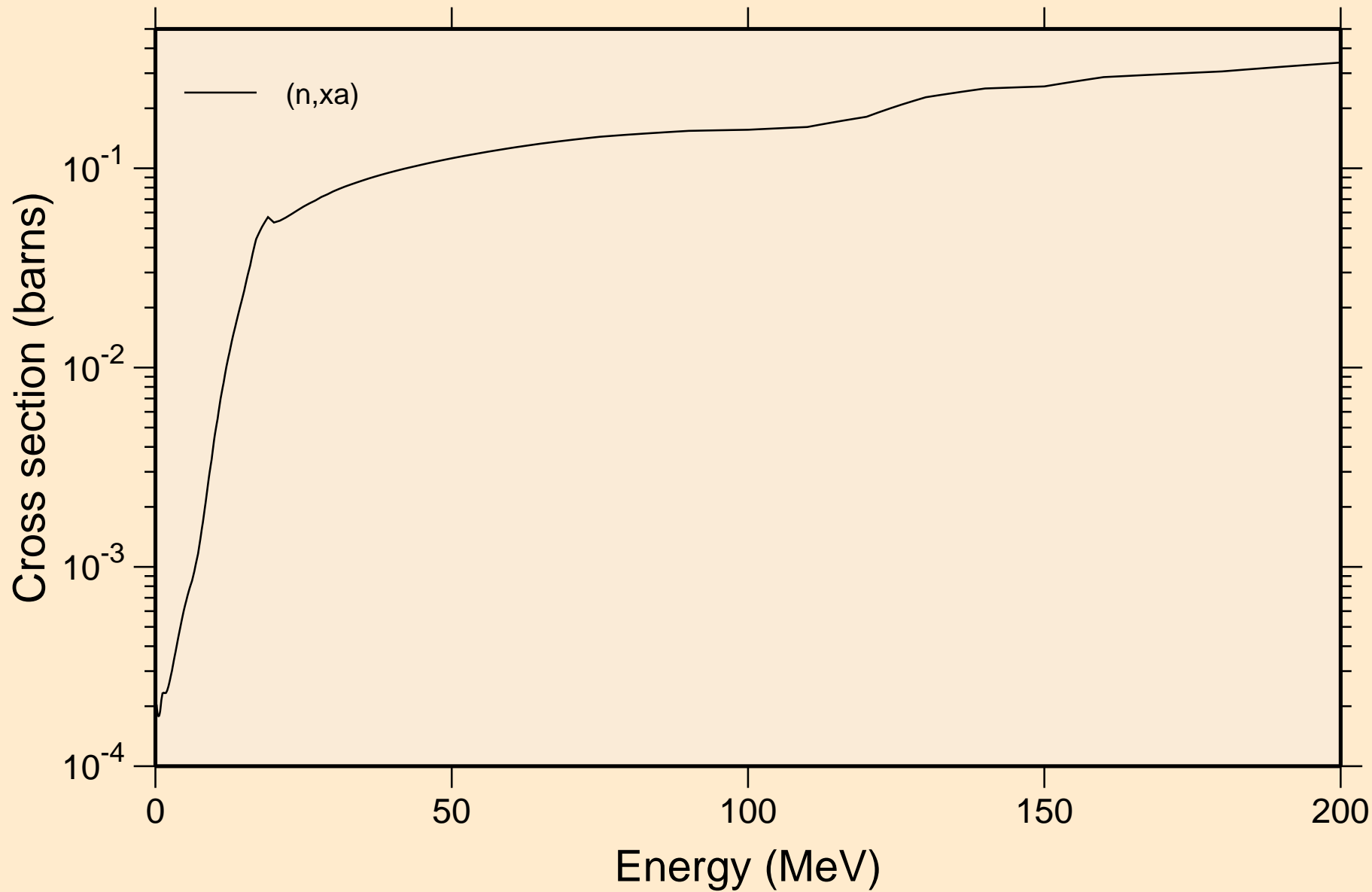




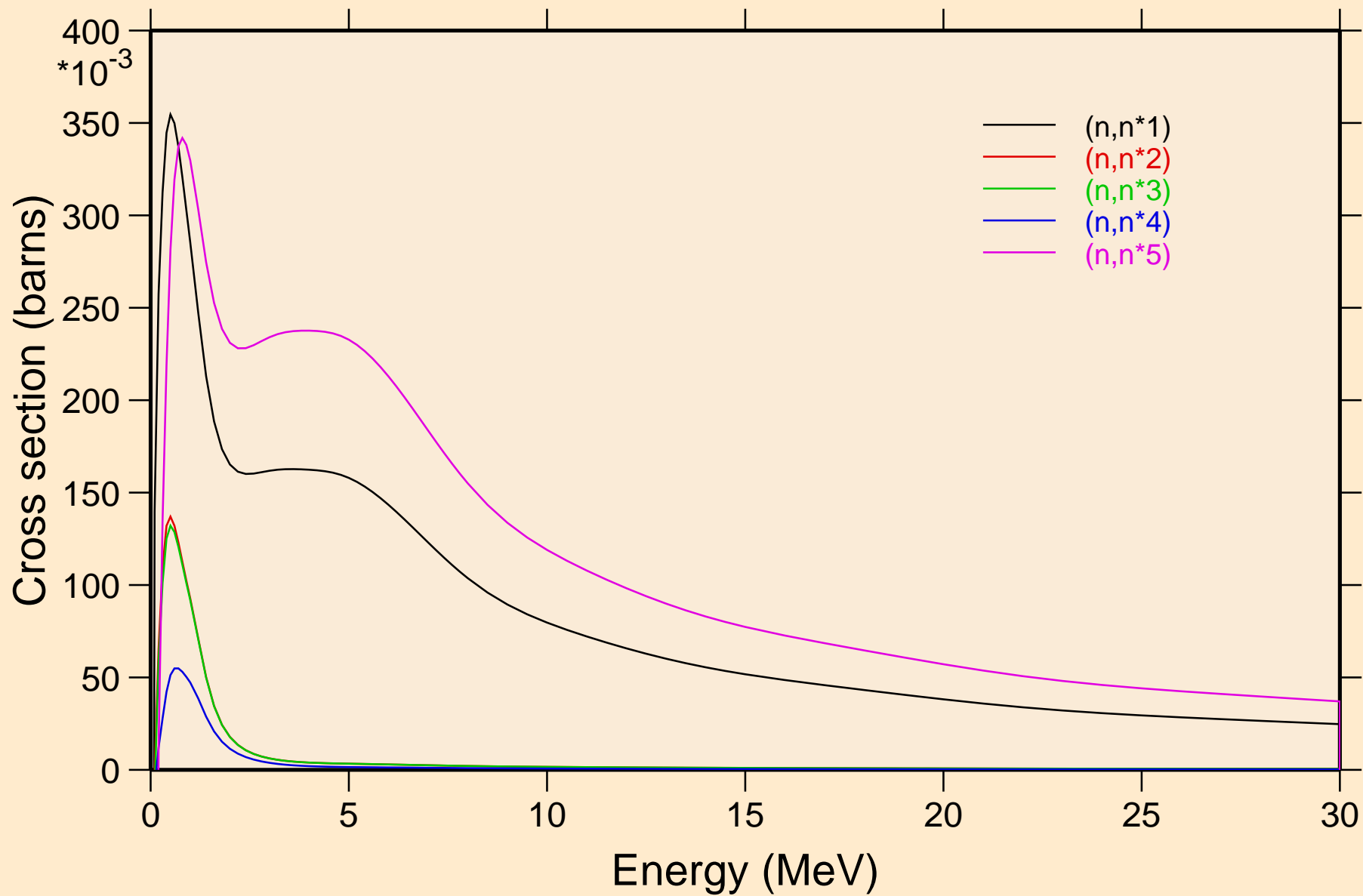
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Non-threshold reactions



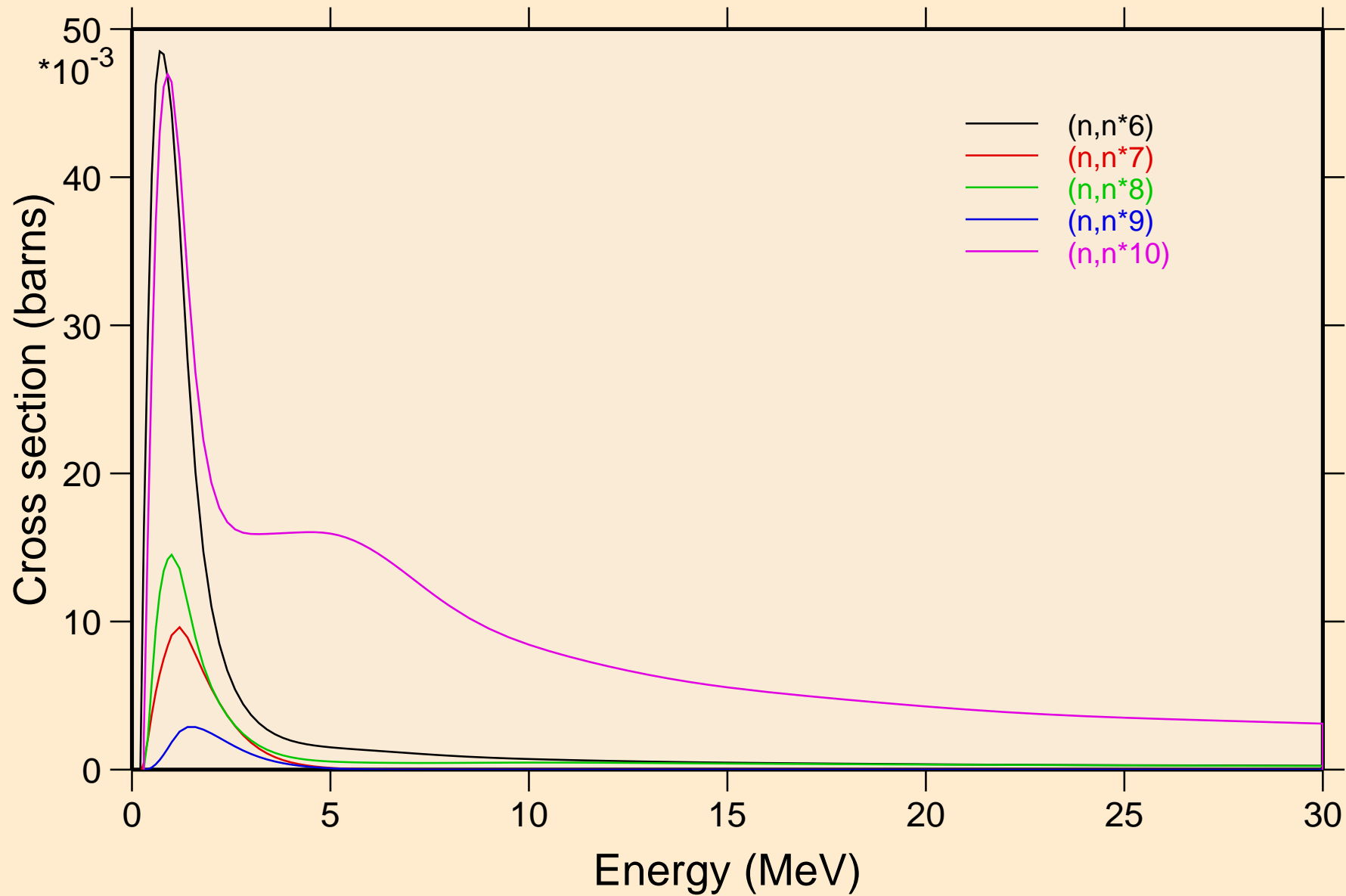
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



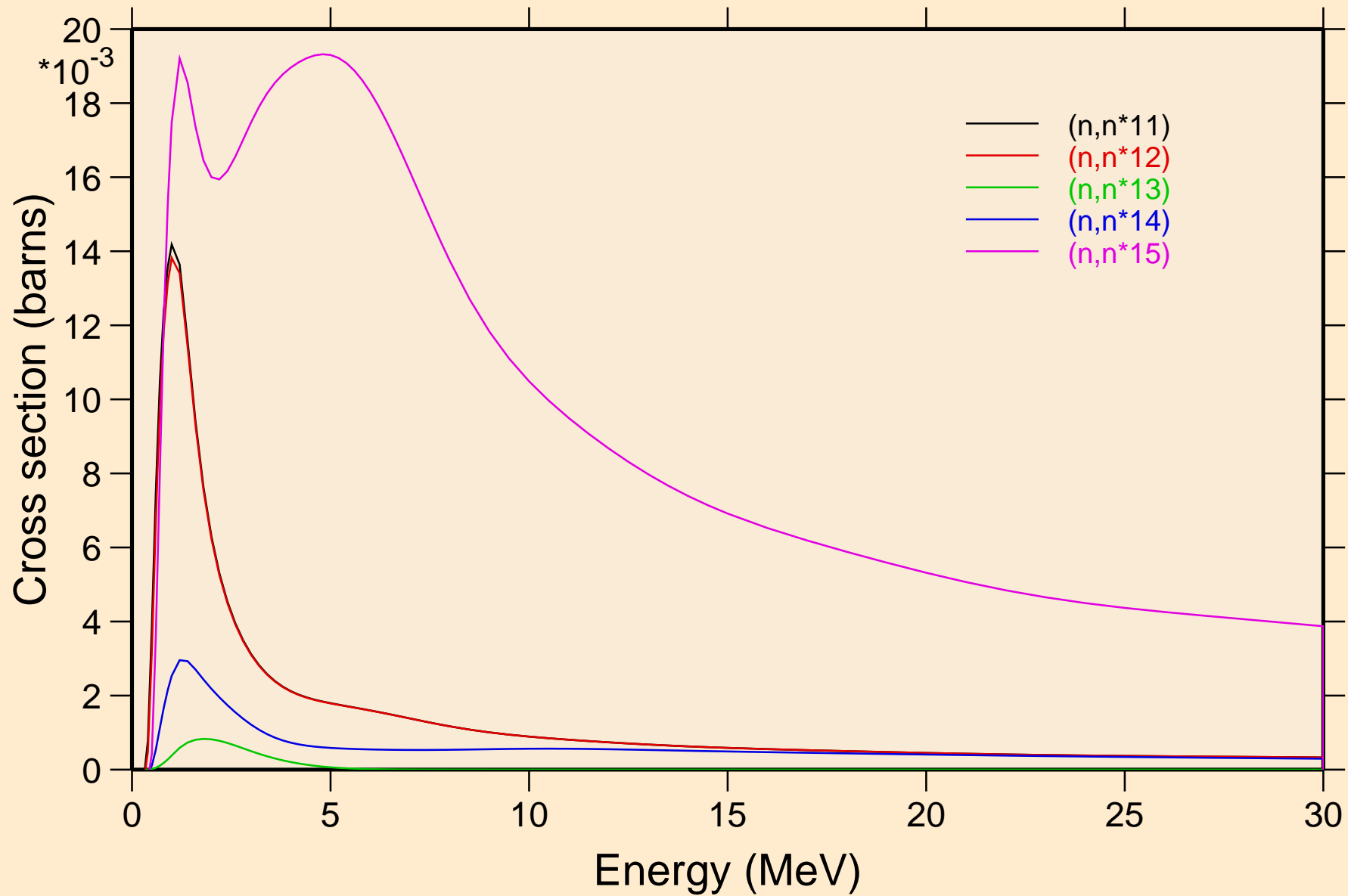
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Inelastic levels



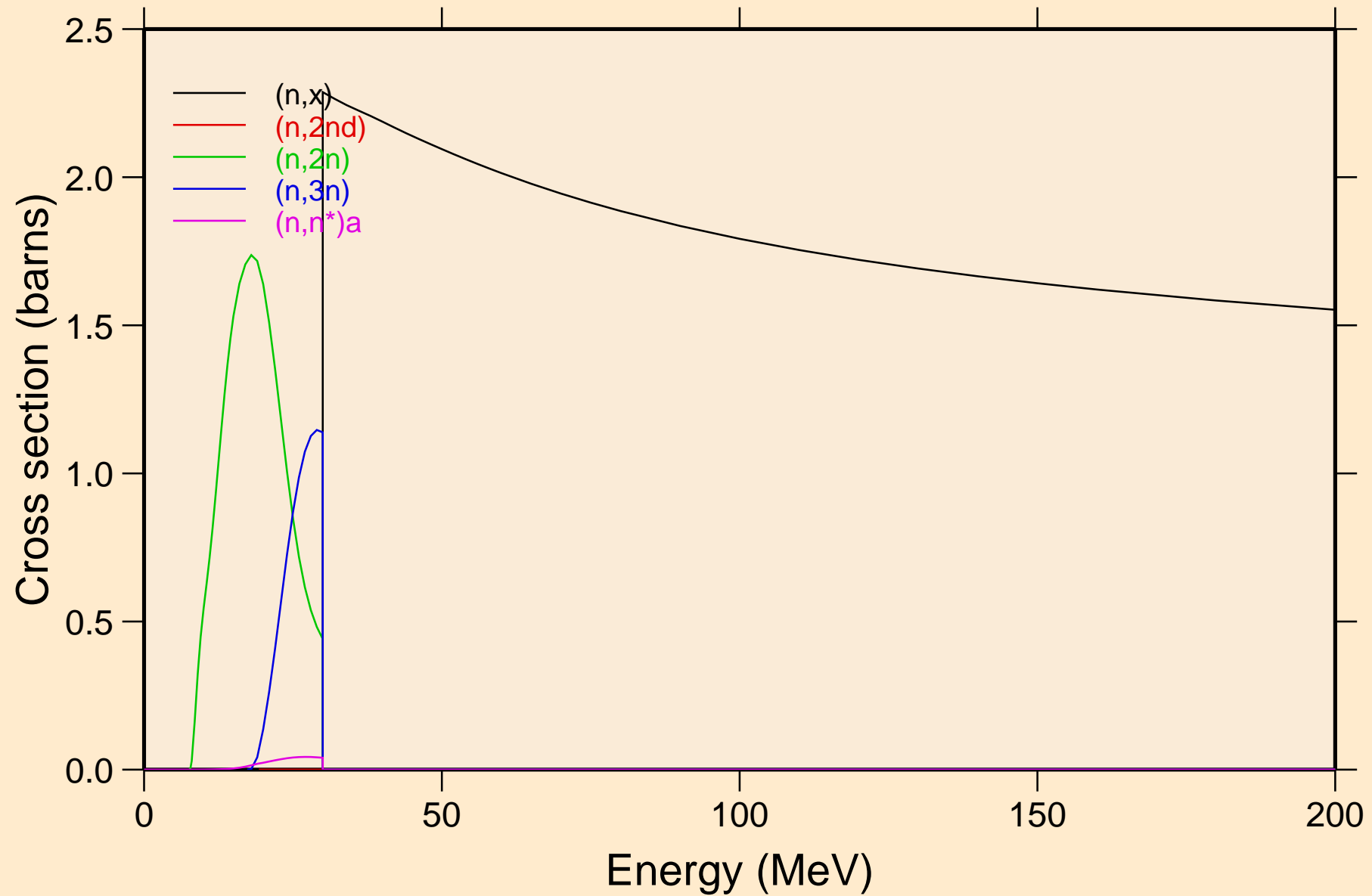
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



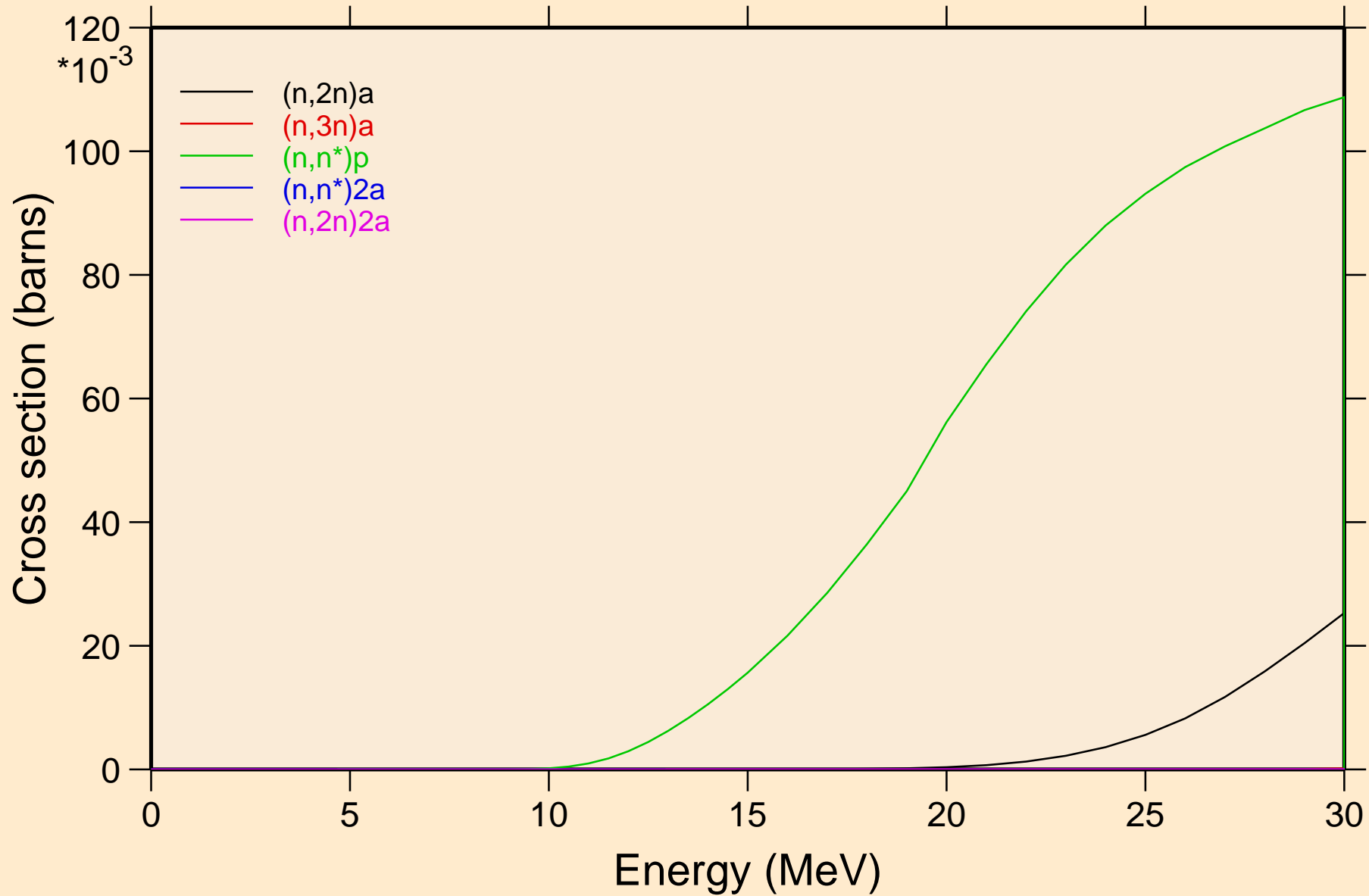
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

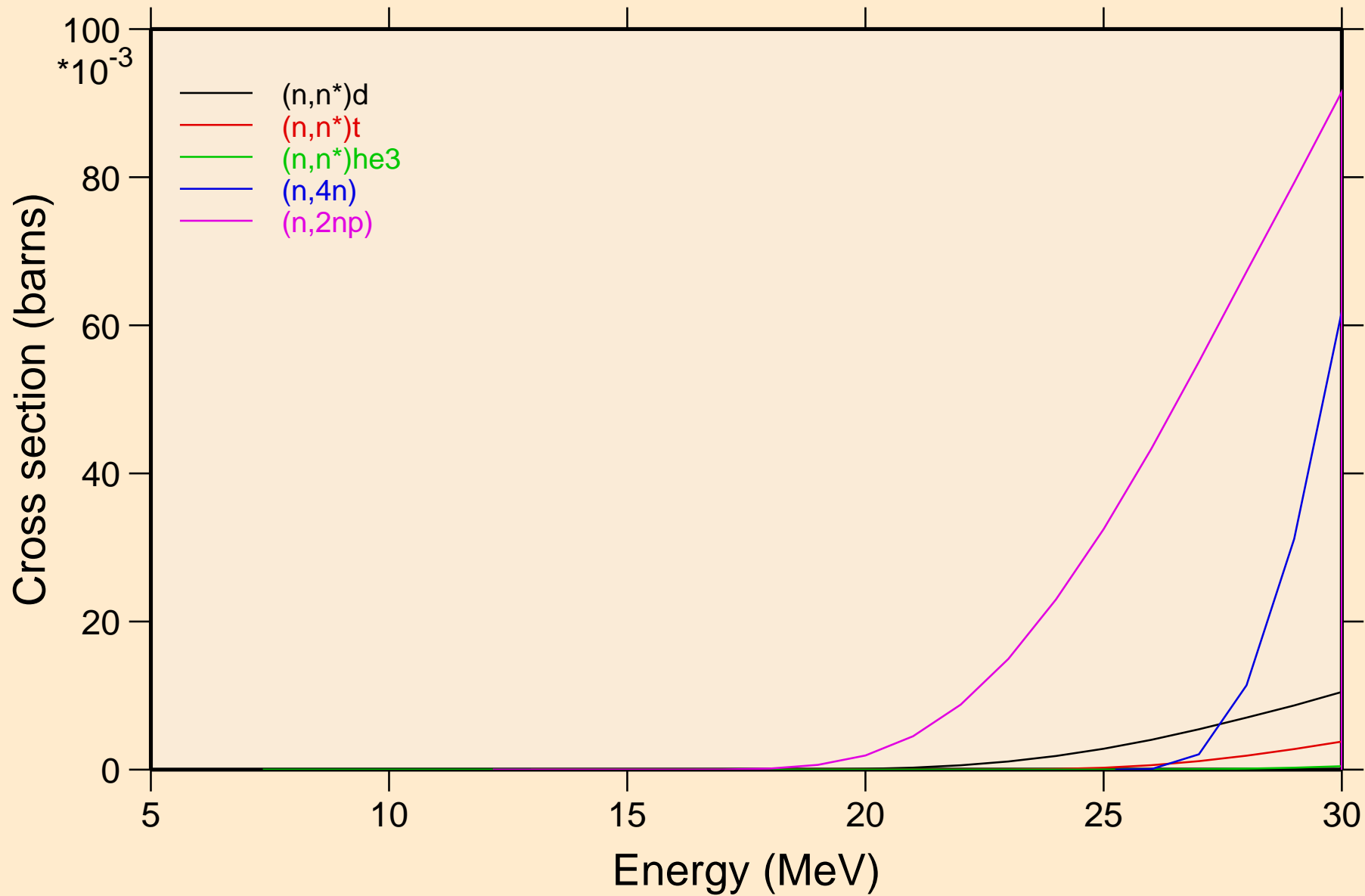


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



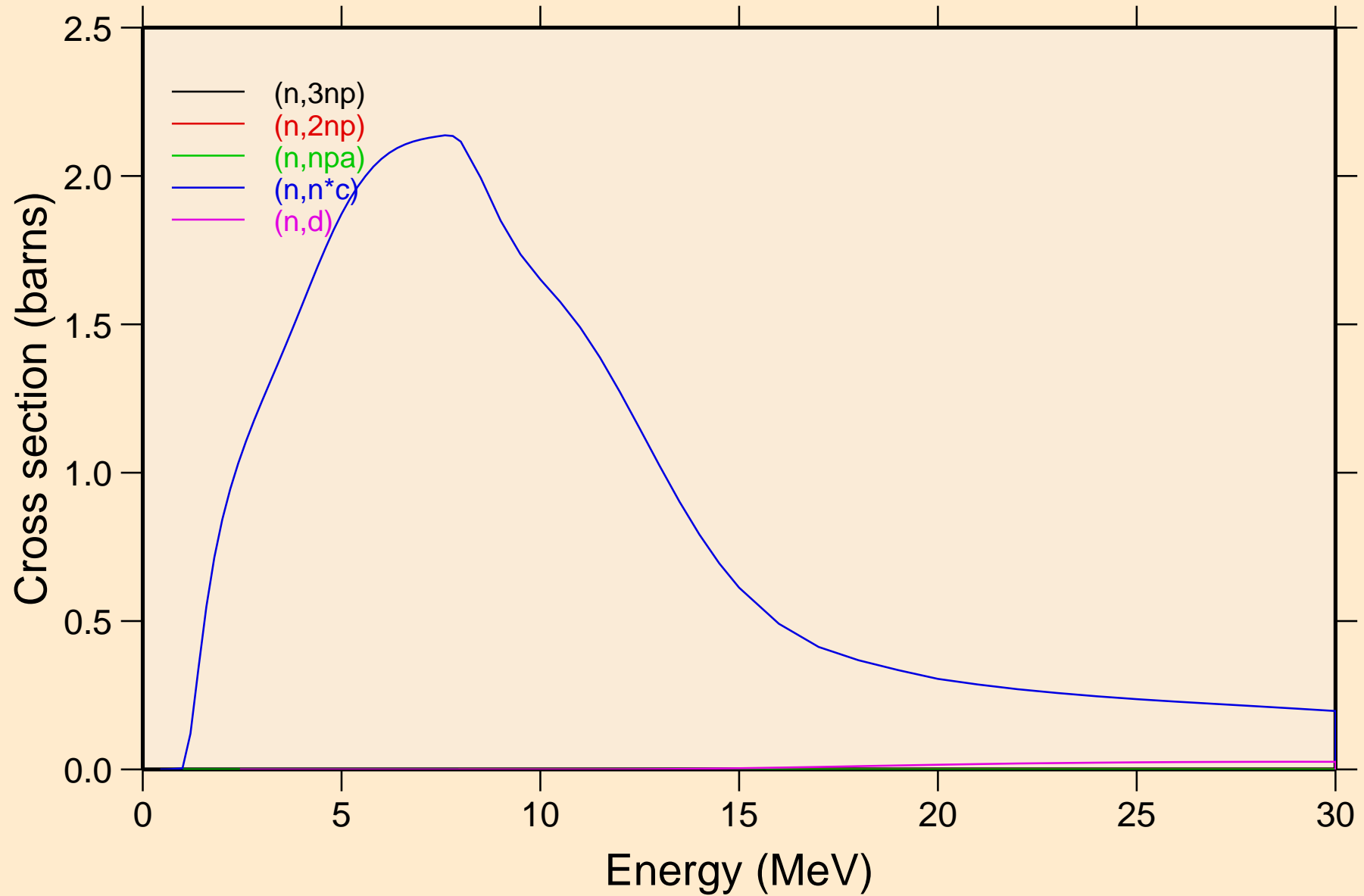
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## Threshold reactions

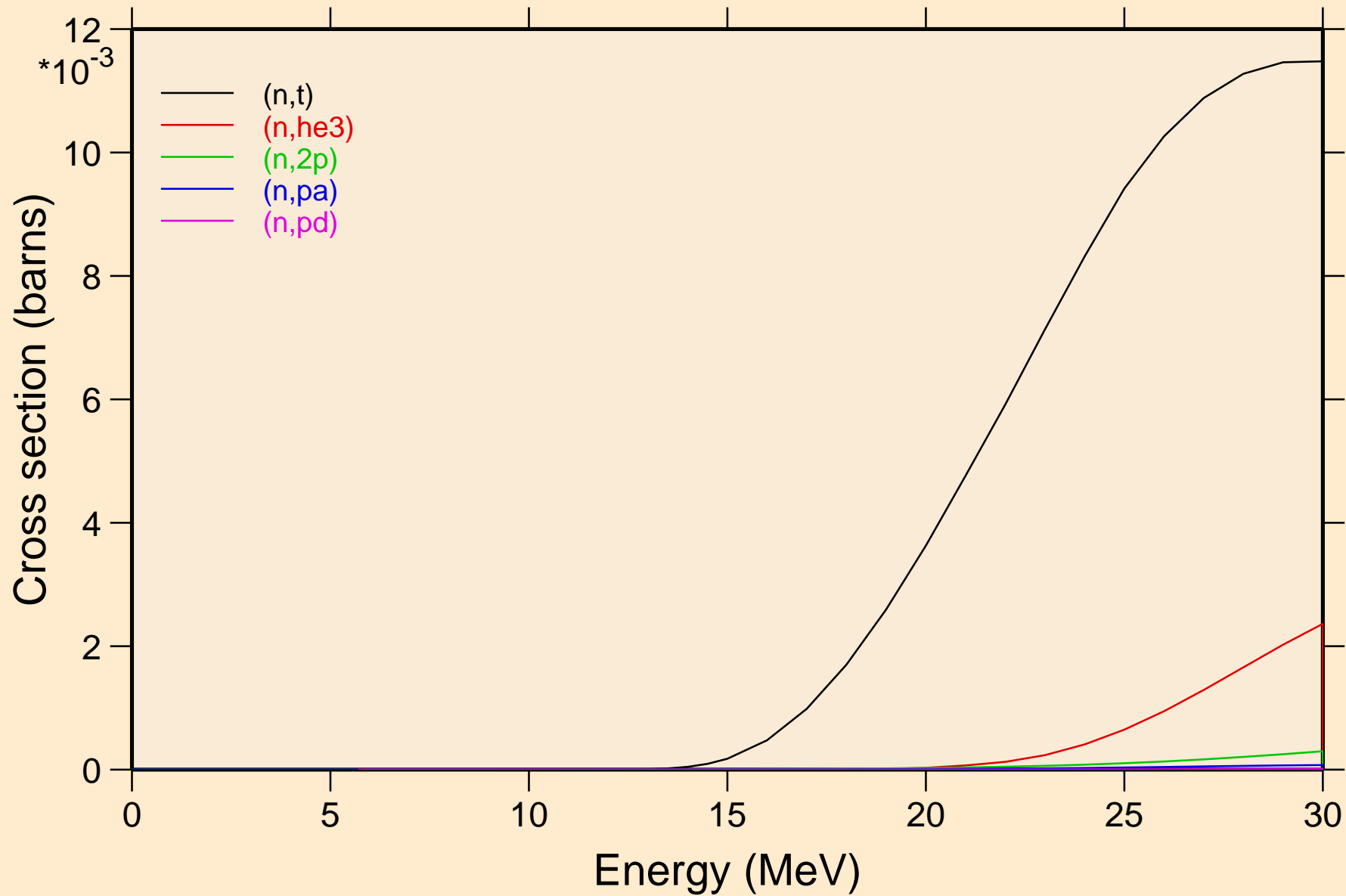




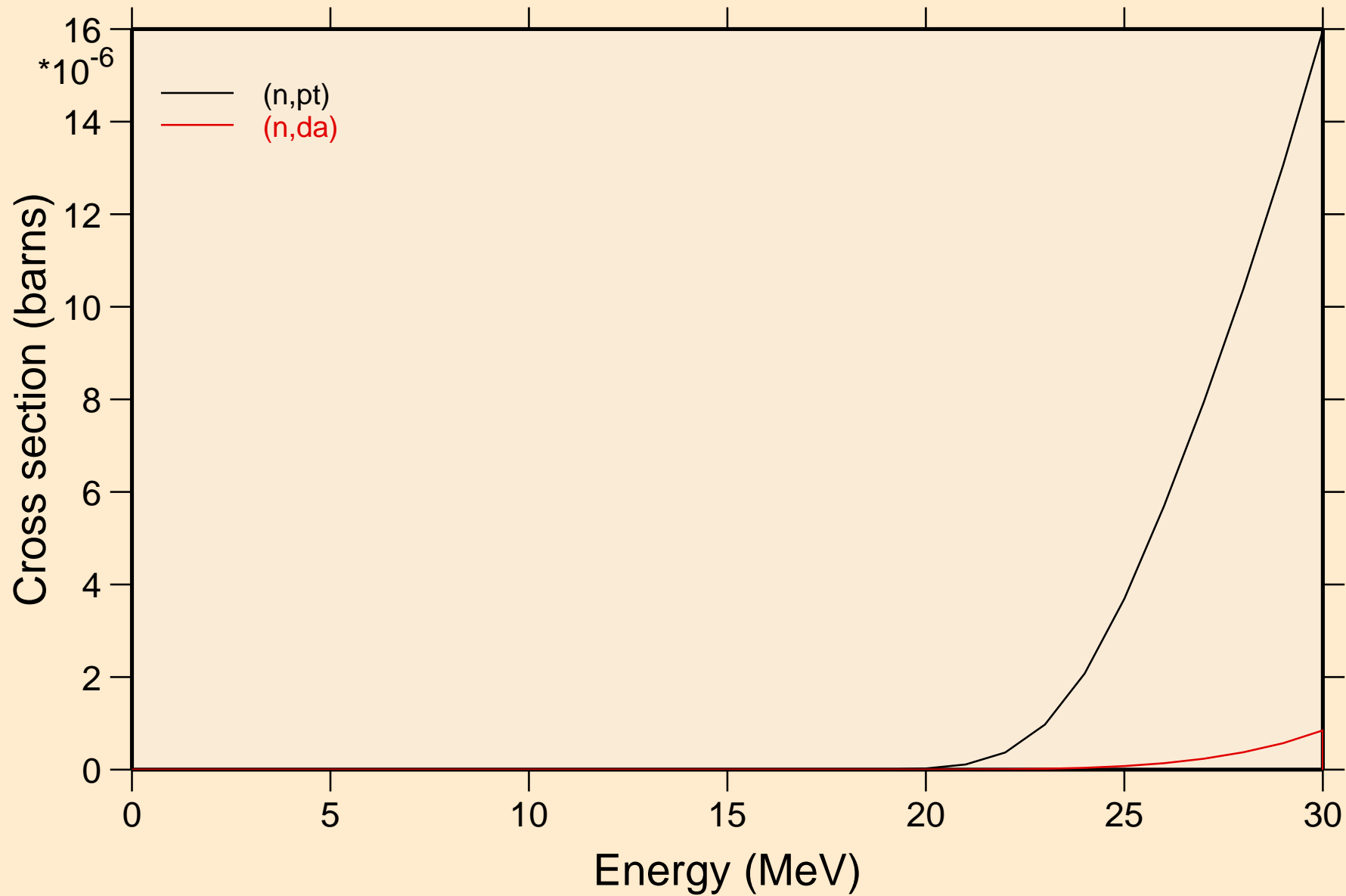
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



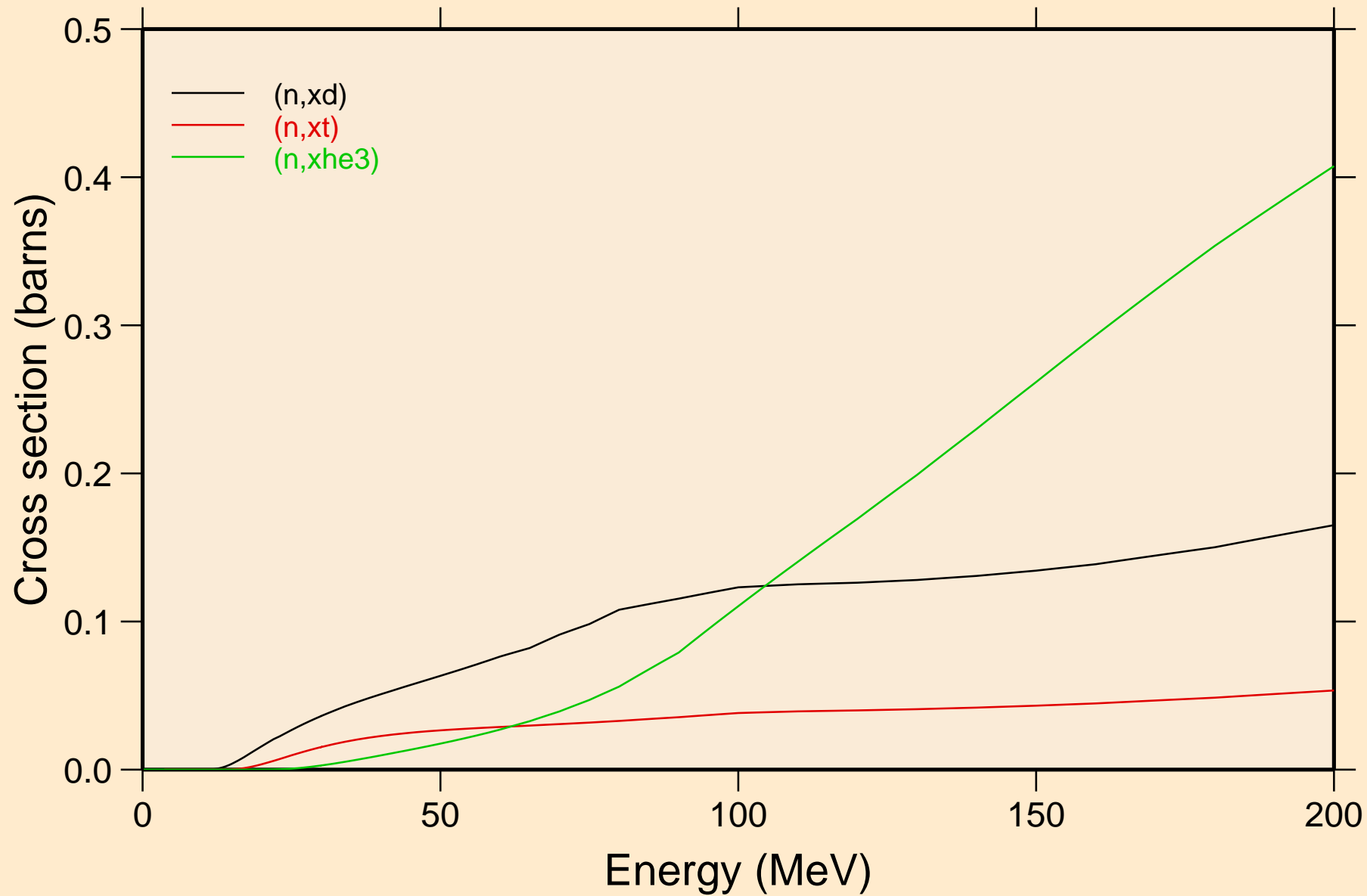
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



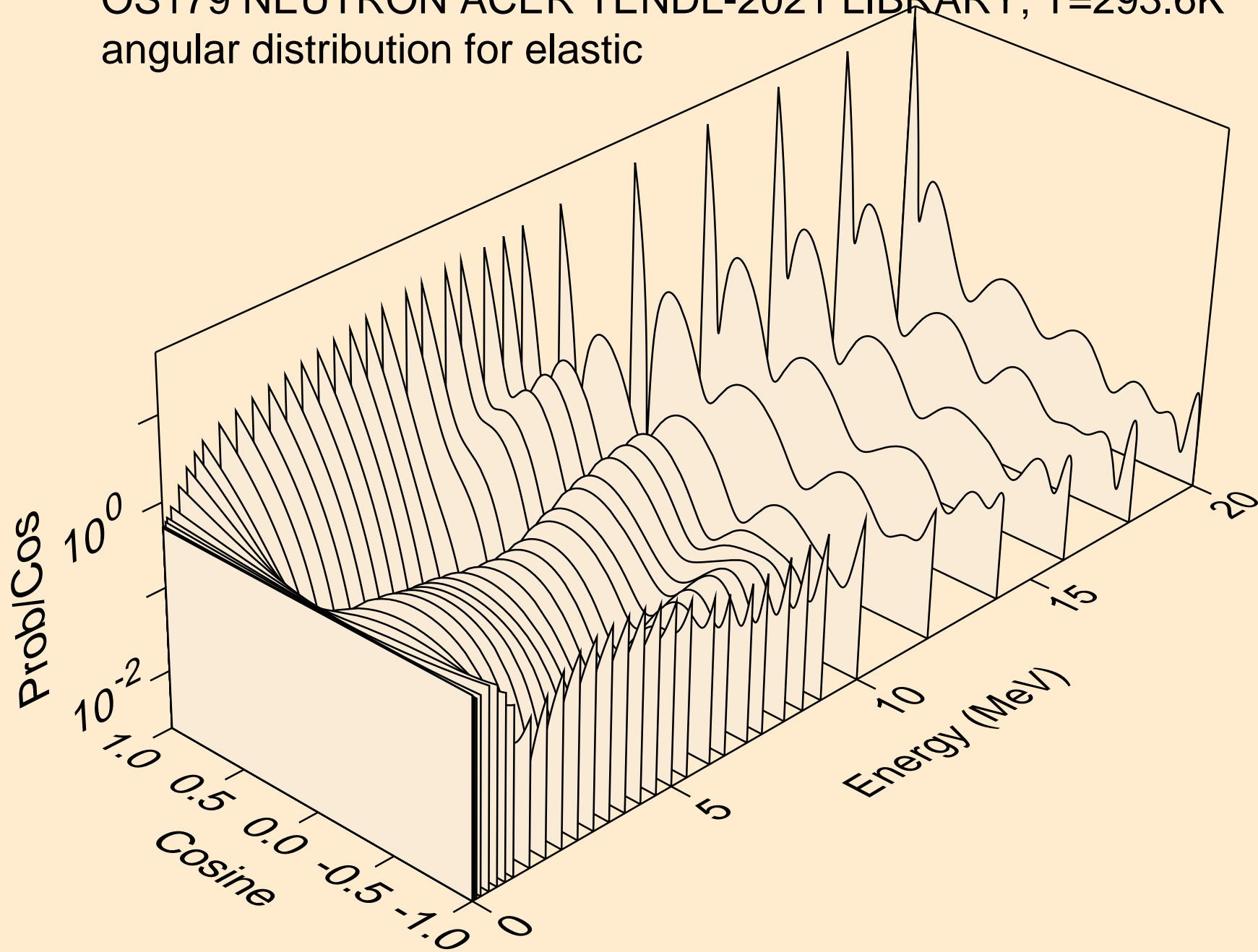
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



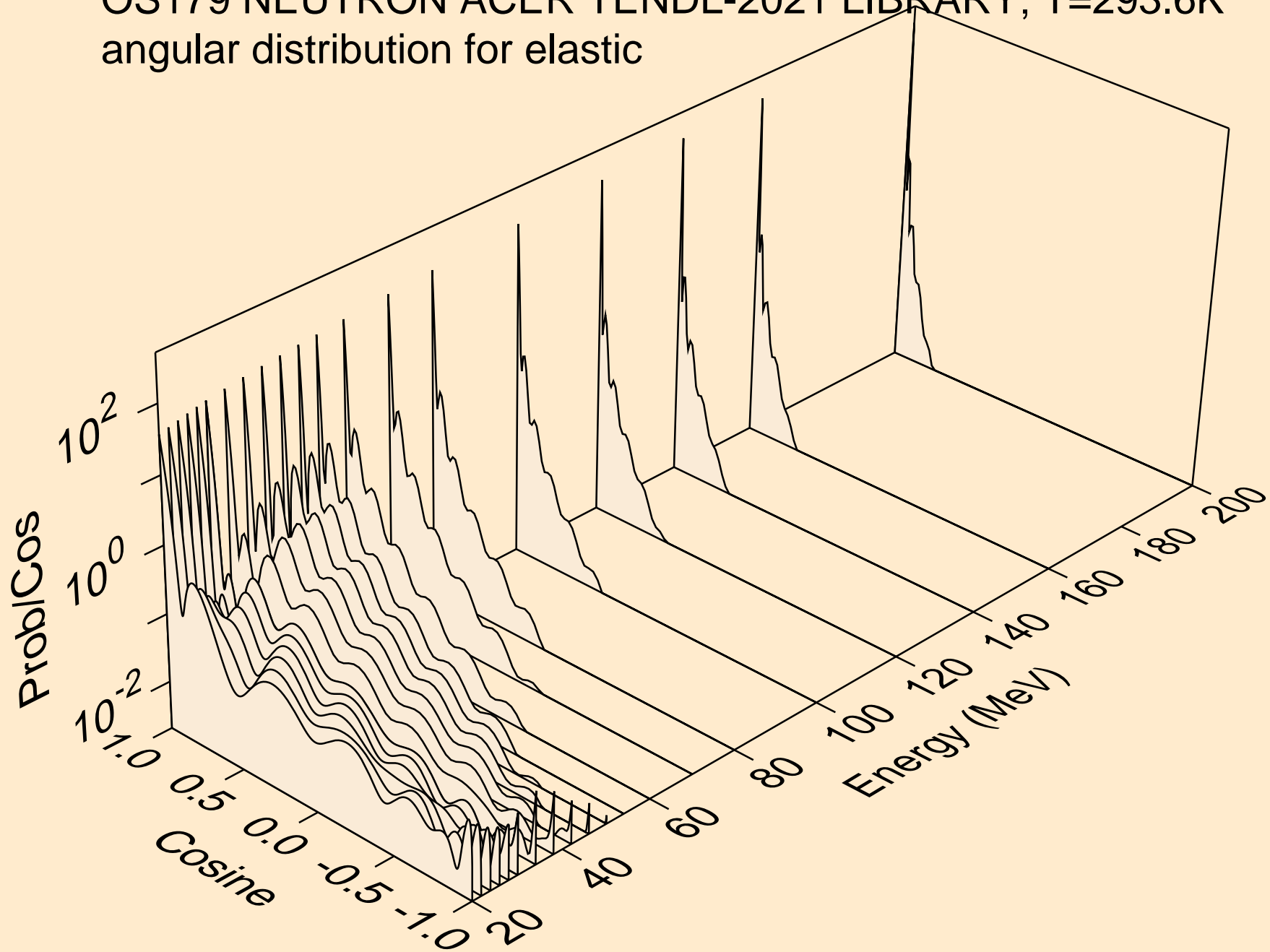
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



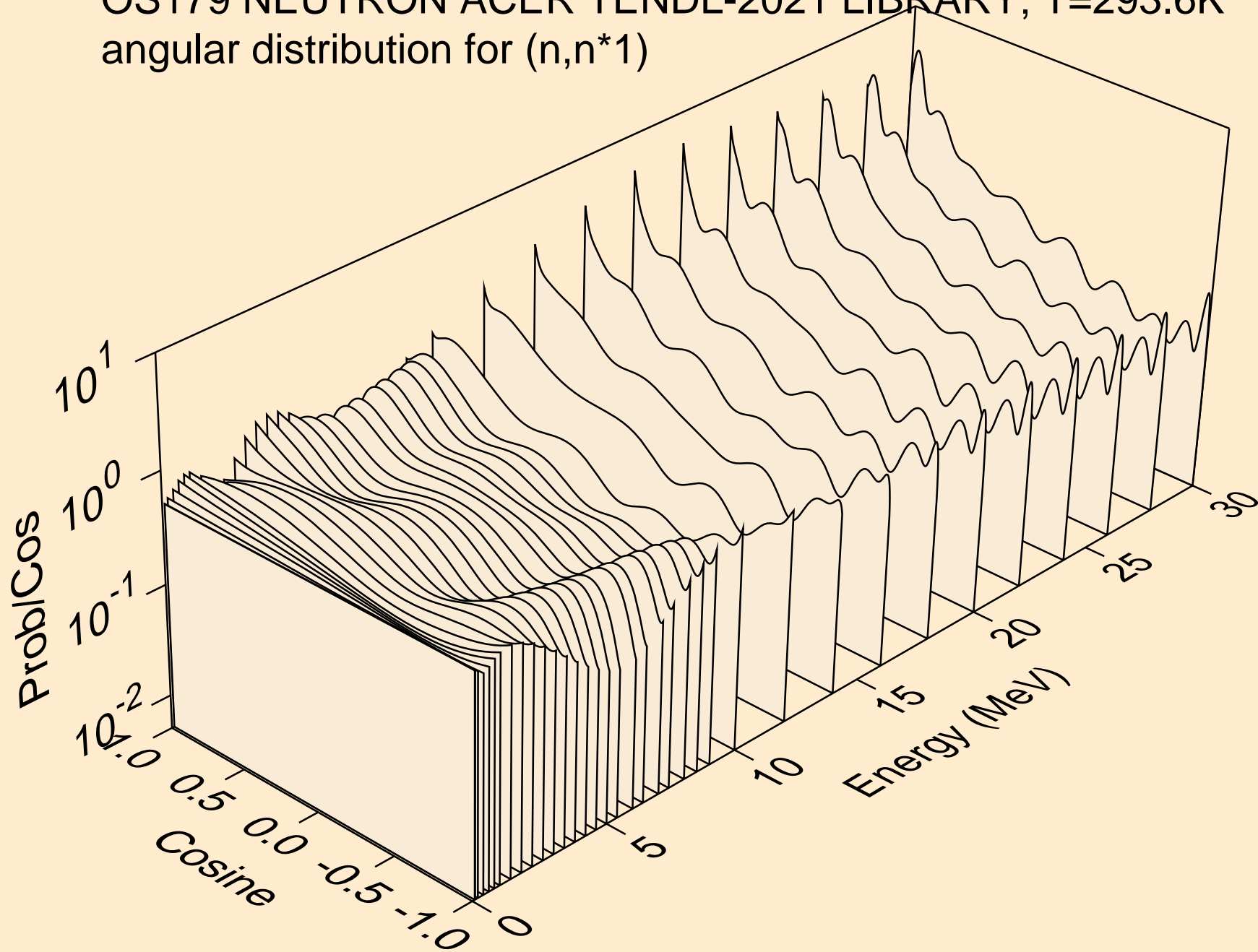
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angular distribution for elastic



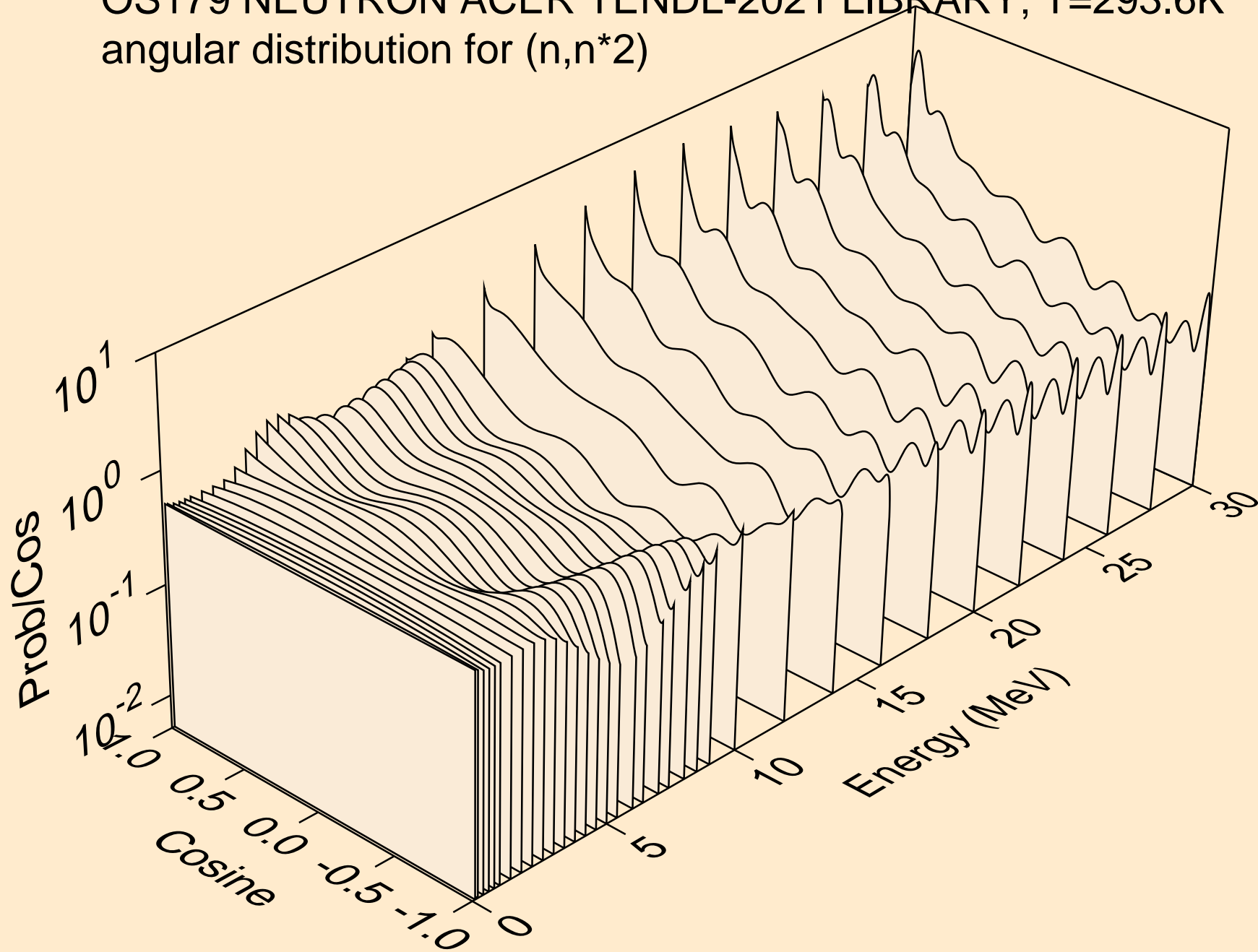
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

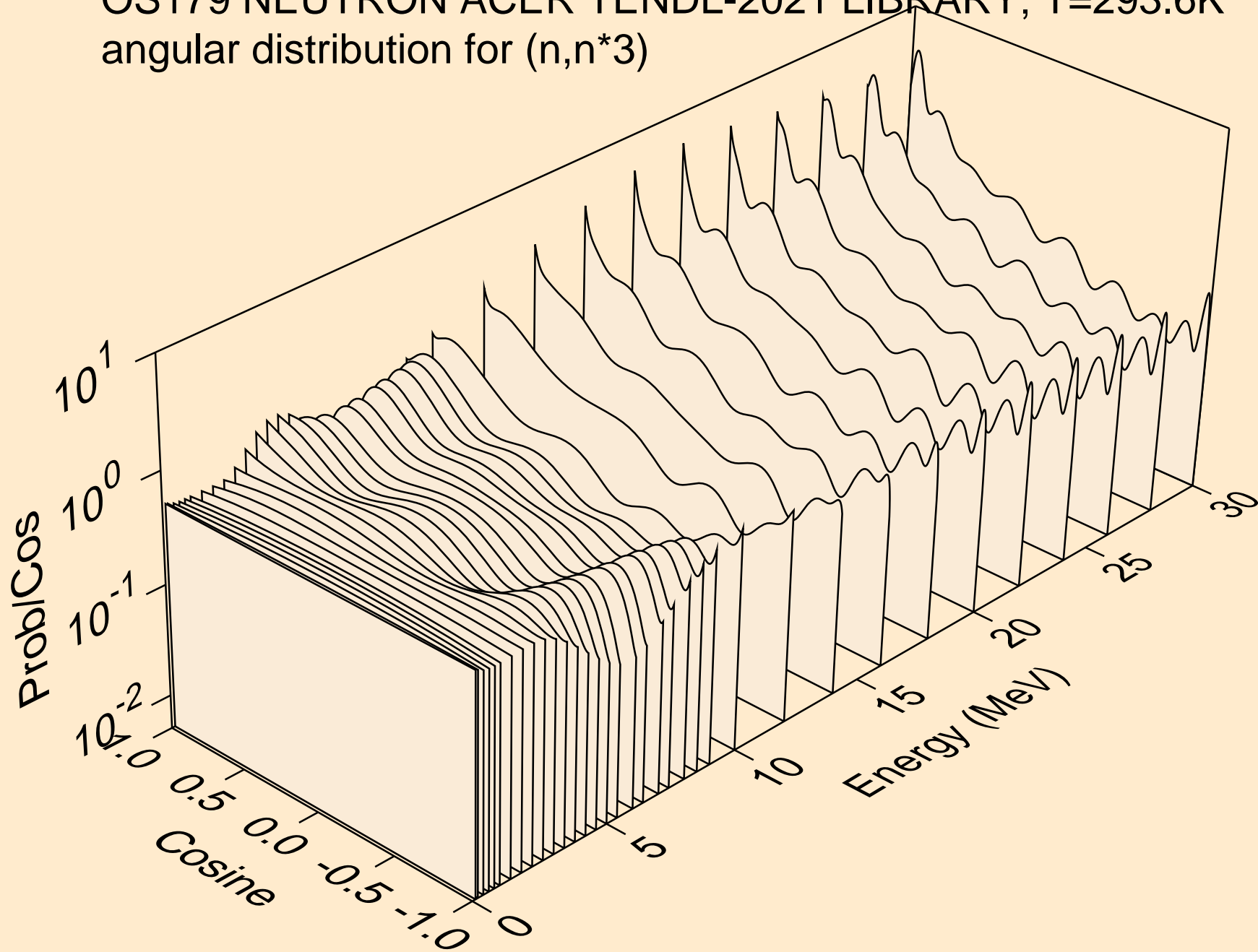


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

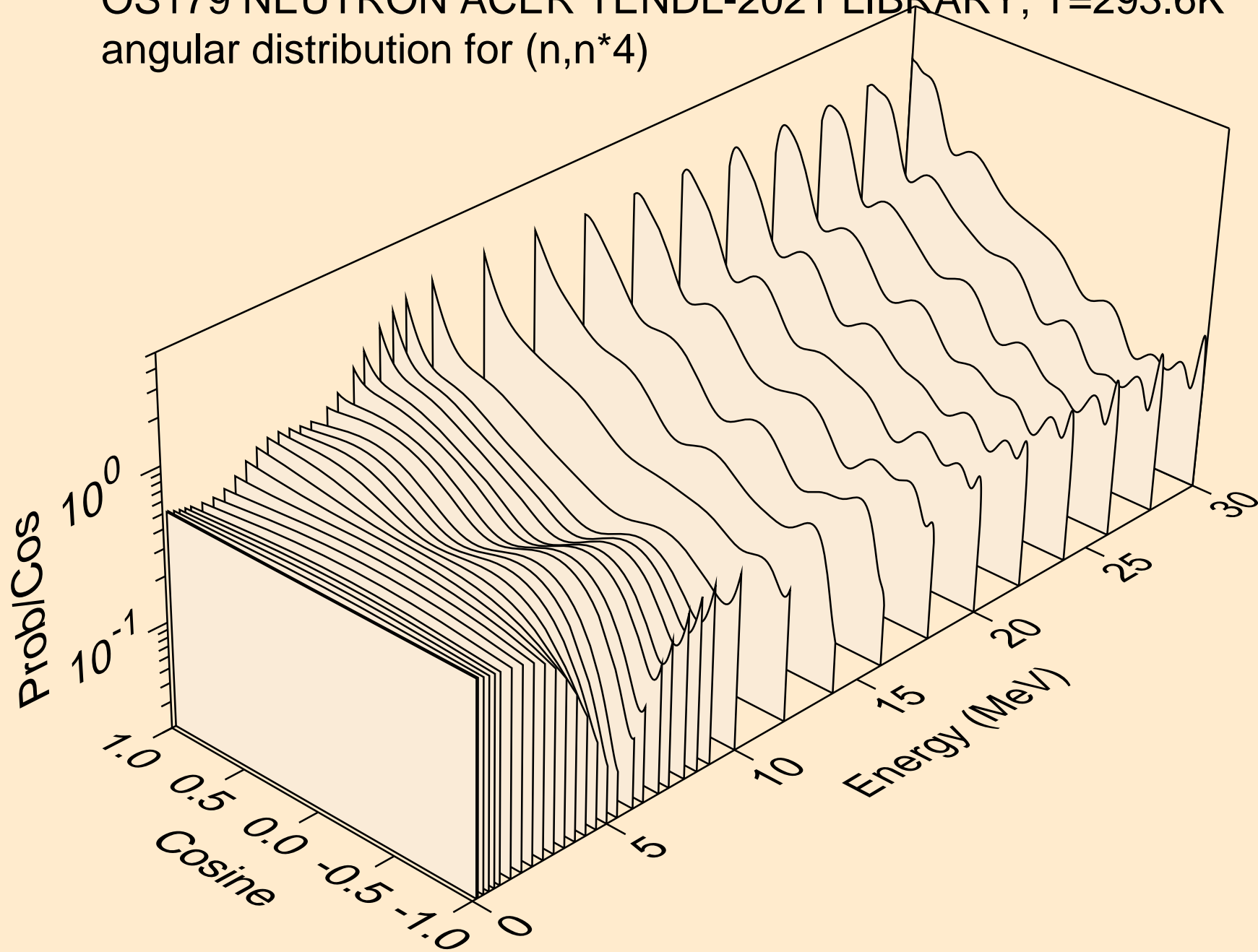




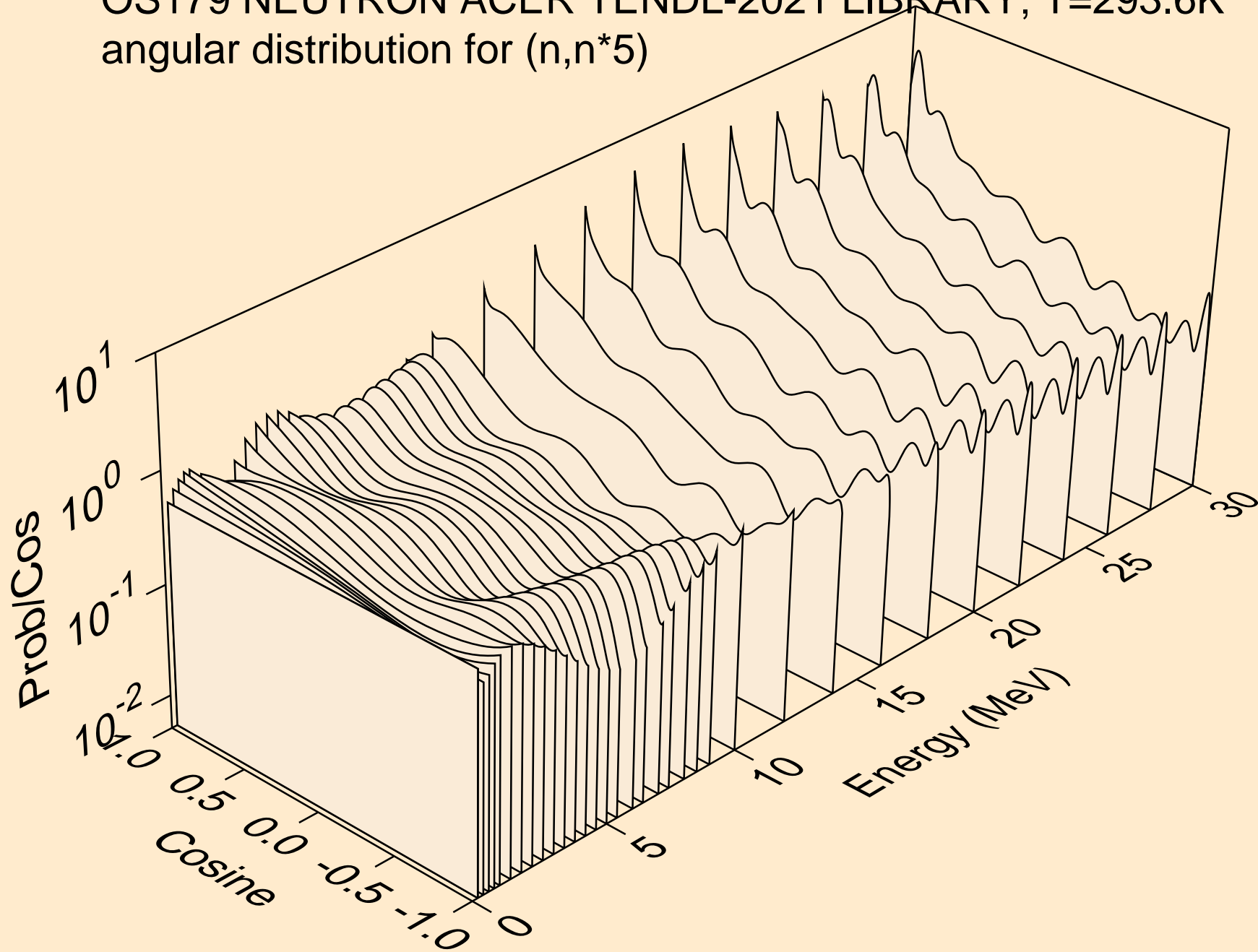
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angular distribution for (n,n\*3)



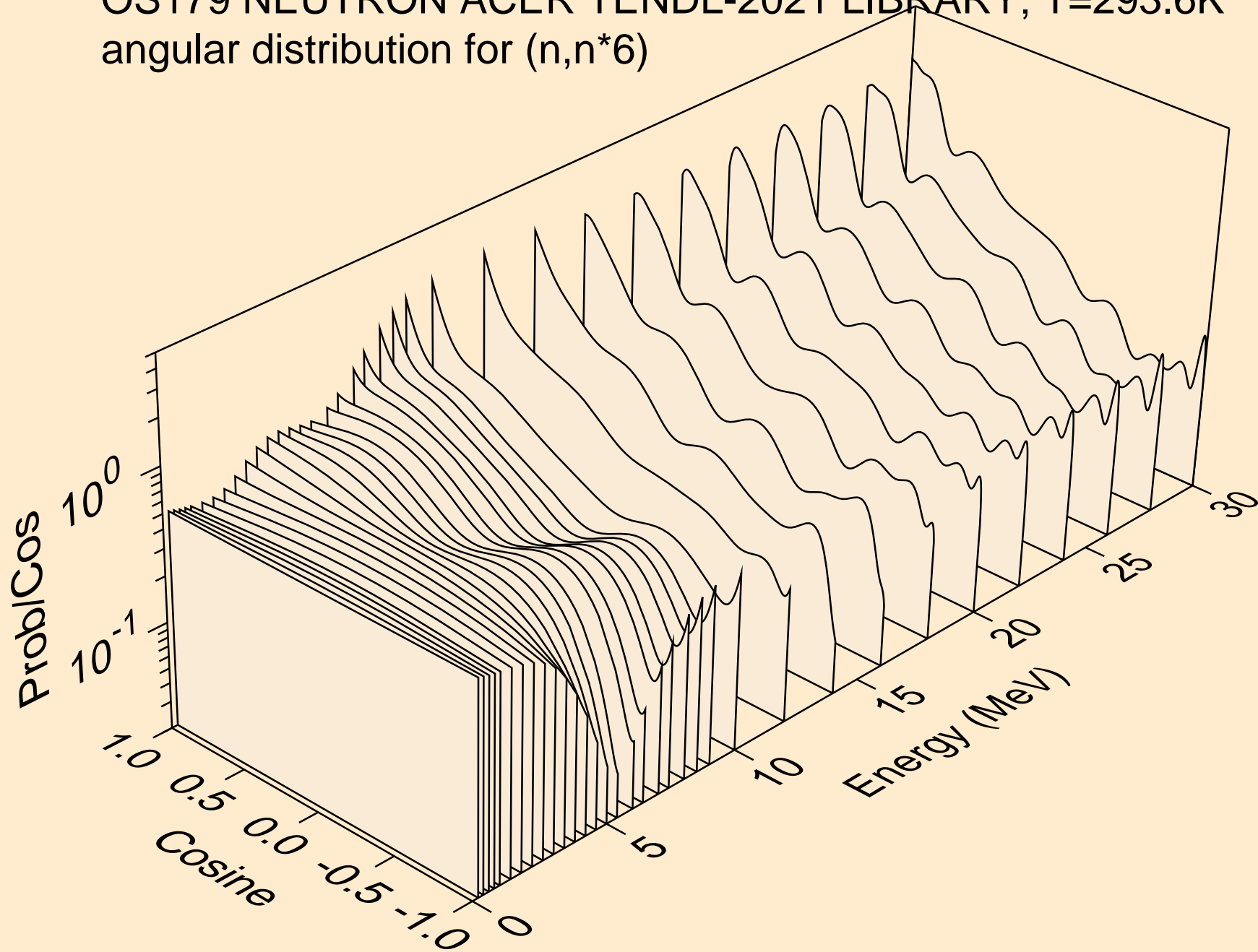
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angular distribution for (n,n\*4)



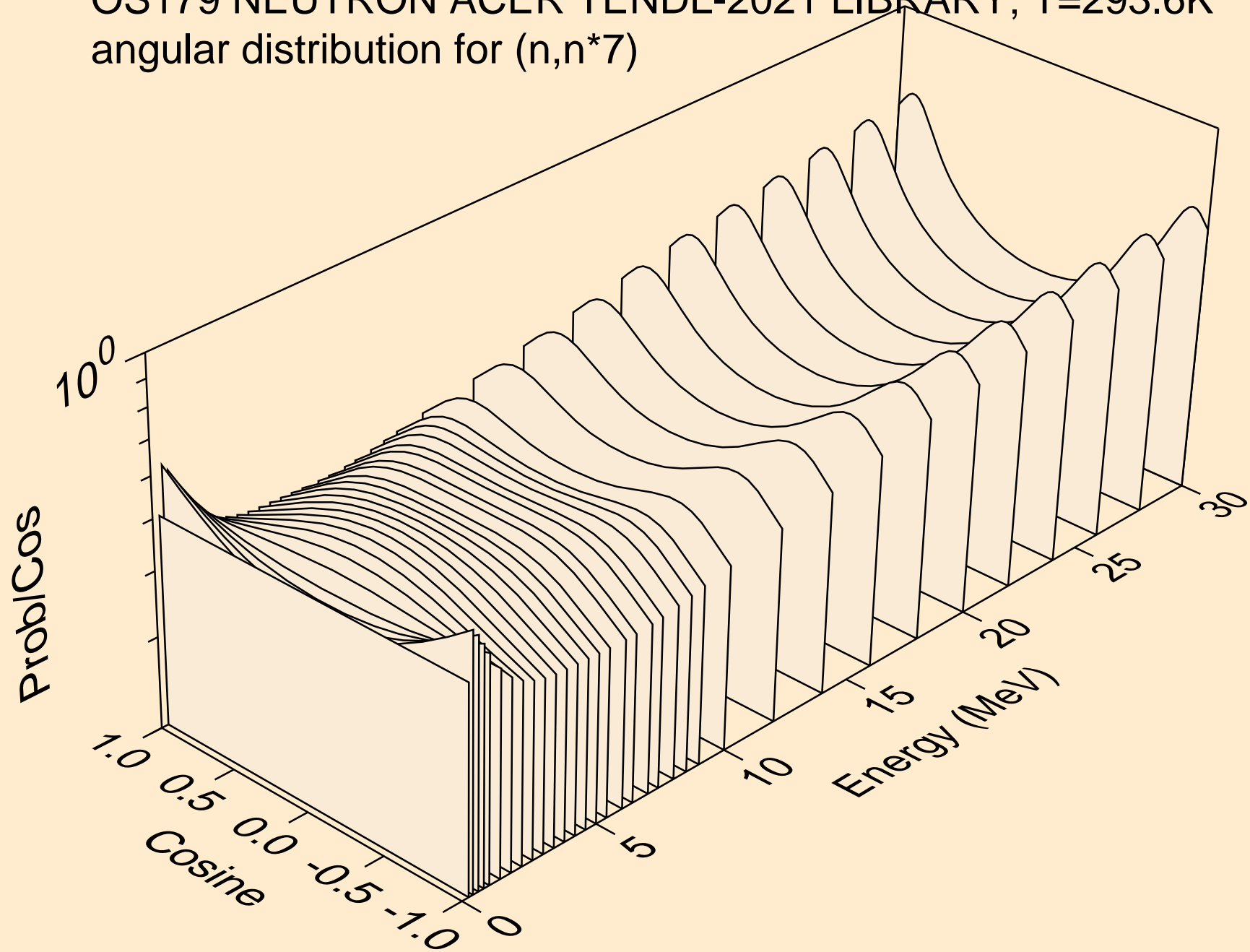
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angular distribution for (n,n\*5)



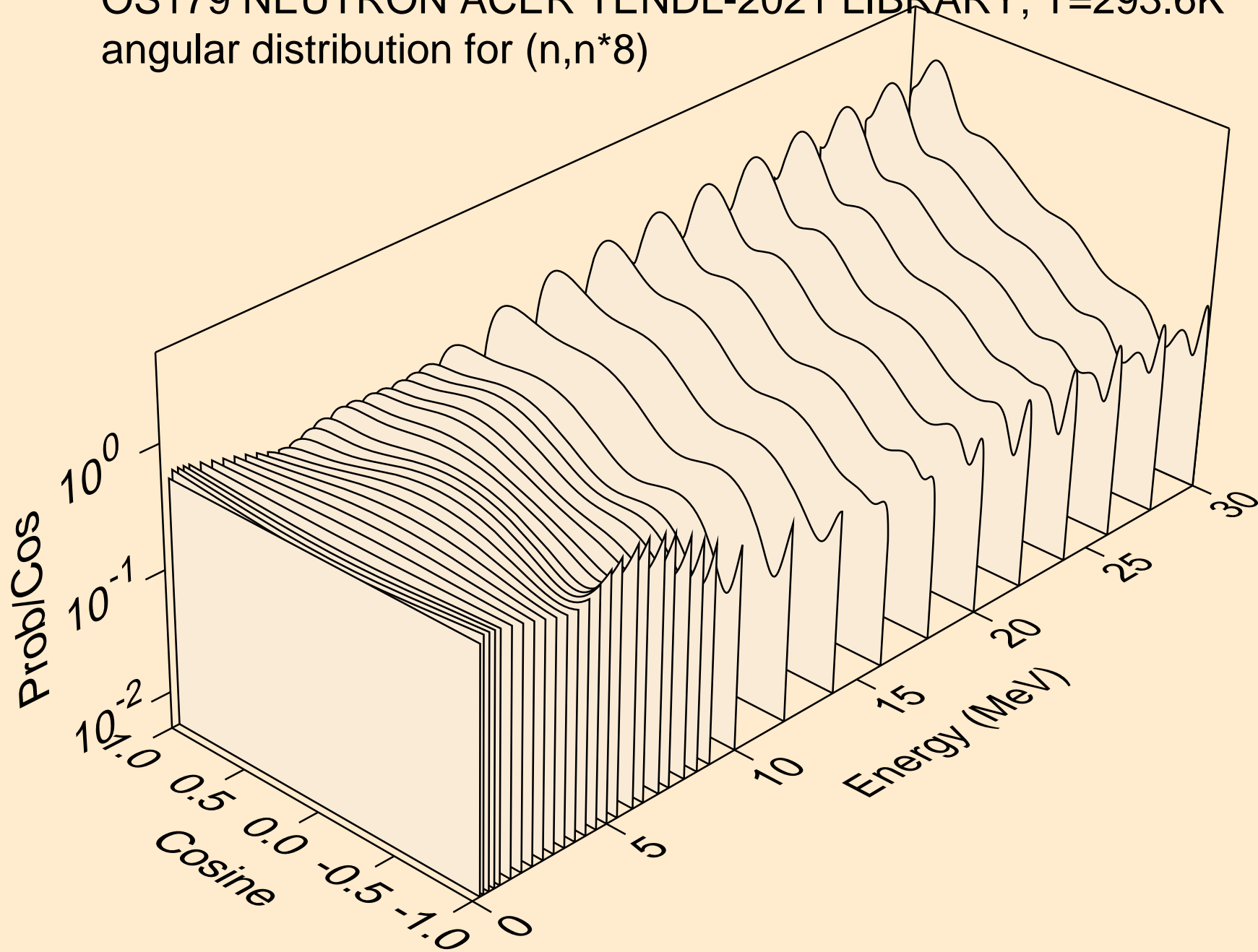
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angular distribution for (n,n\*6)



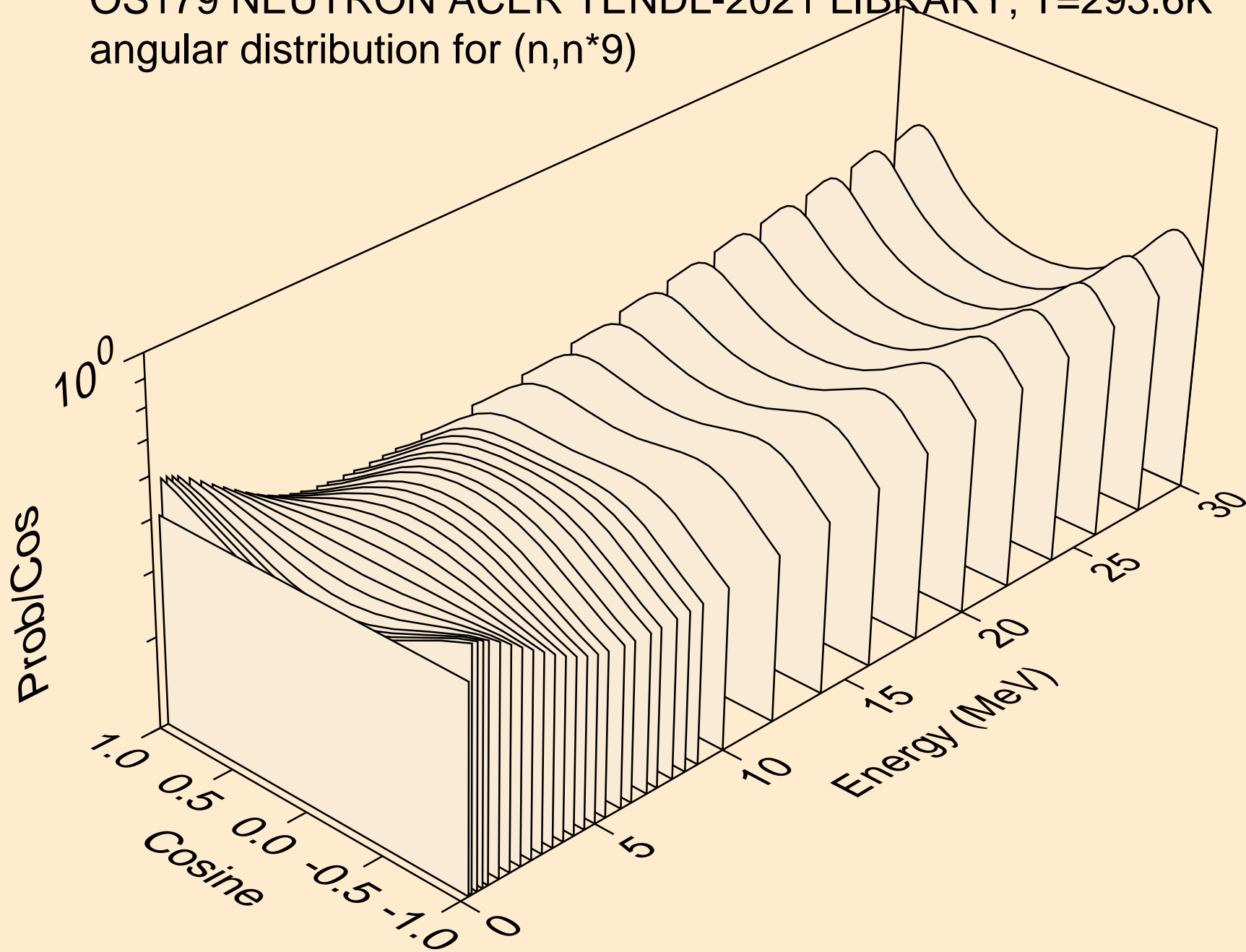
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angular distribution for (n,n\*7)



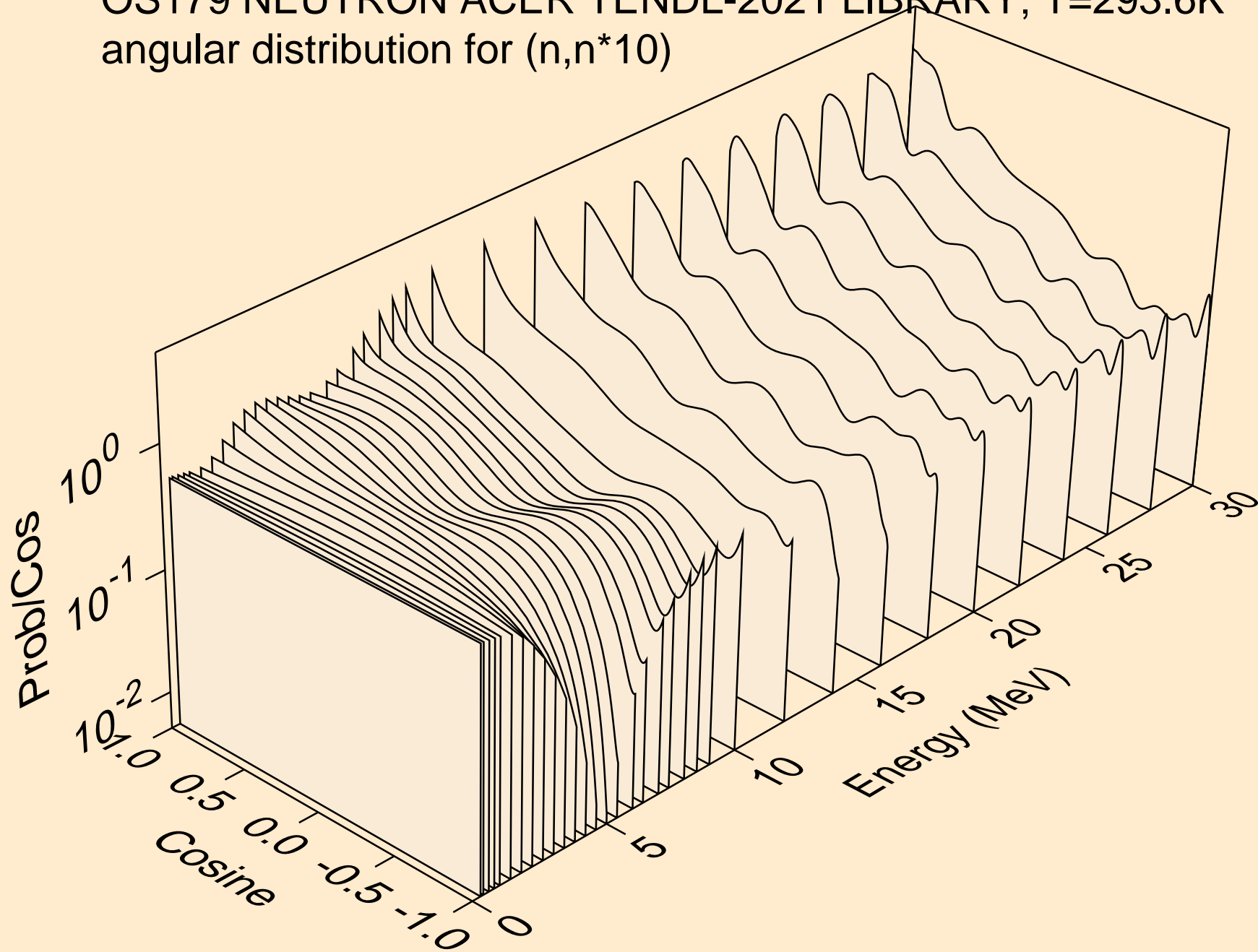
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

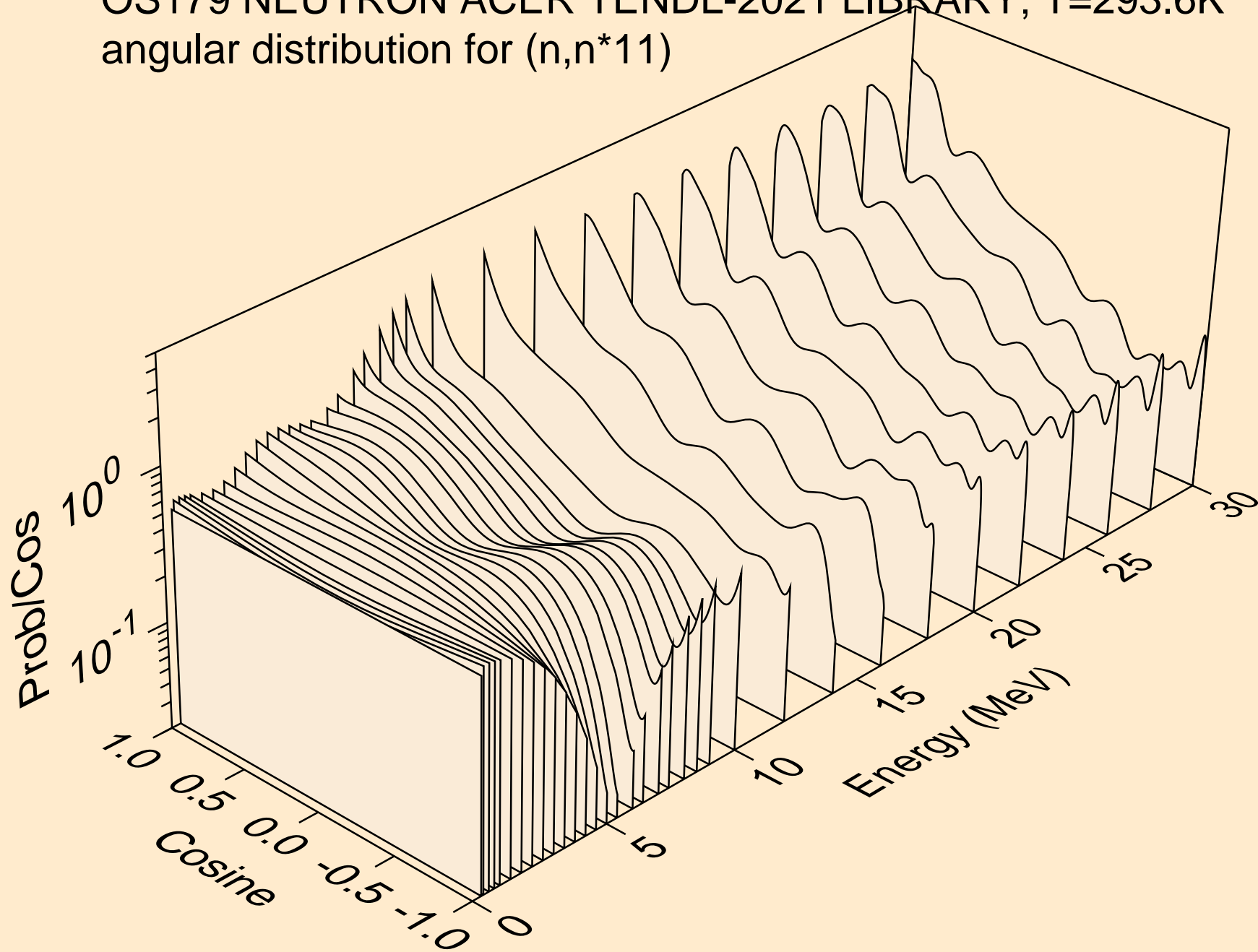


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

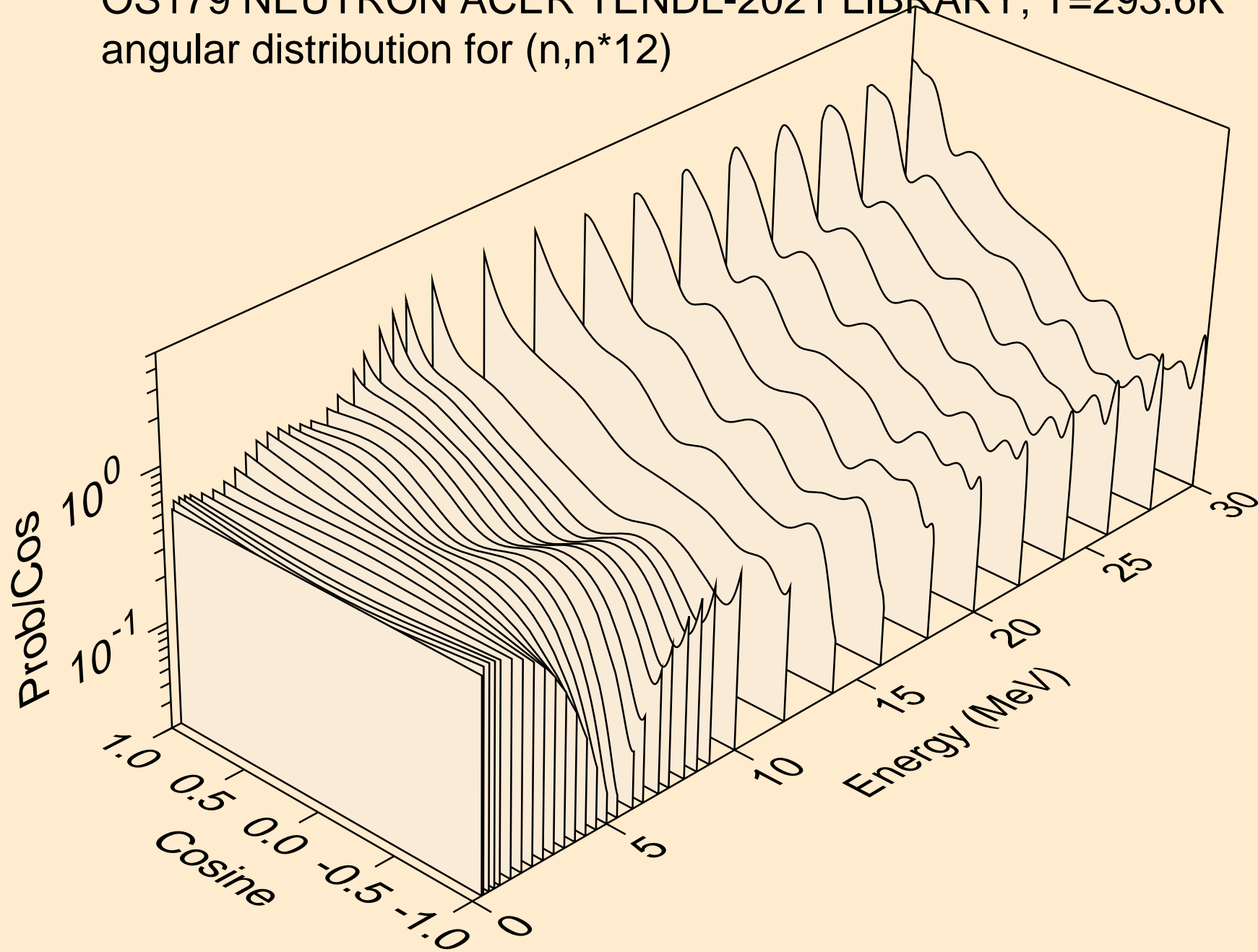




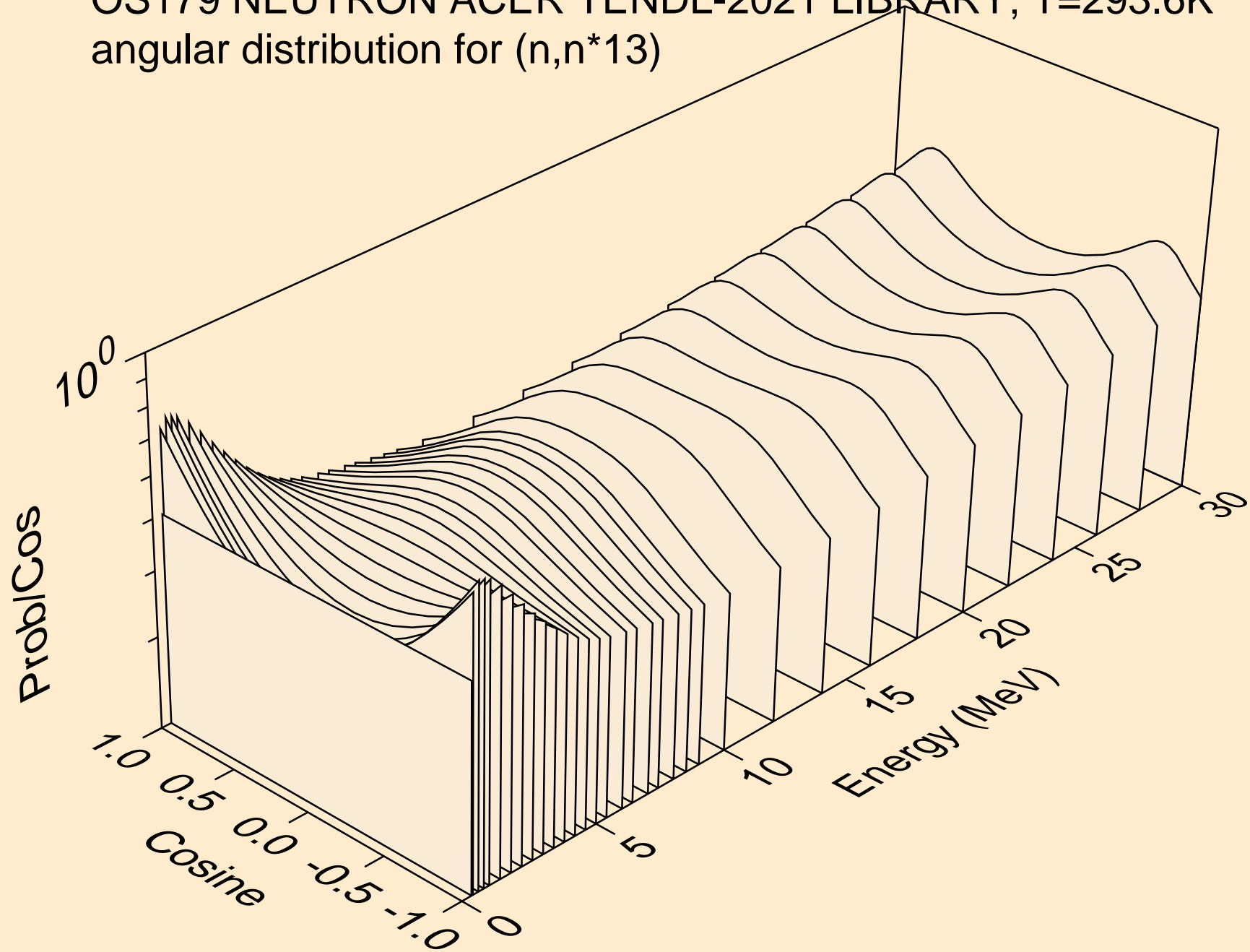
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angular distribution for (n,n\*11)



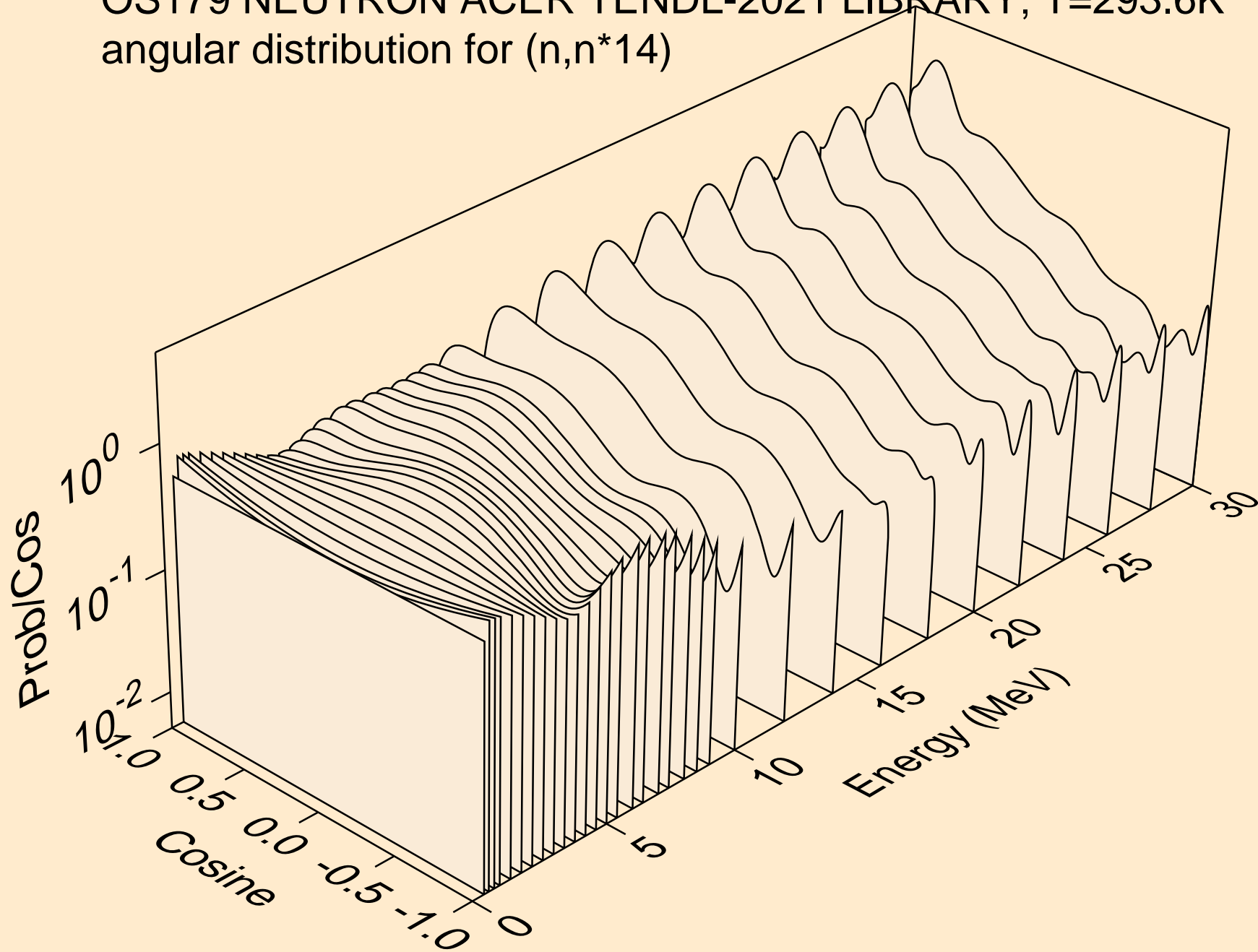
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angular distribution for (n,n\*12)



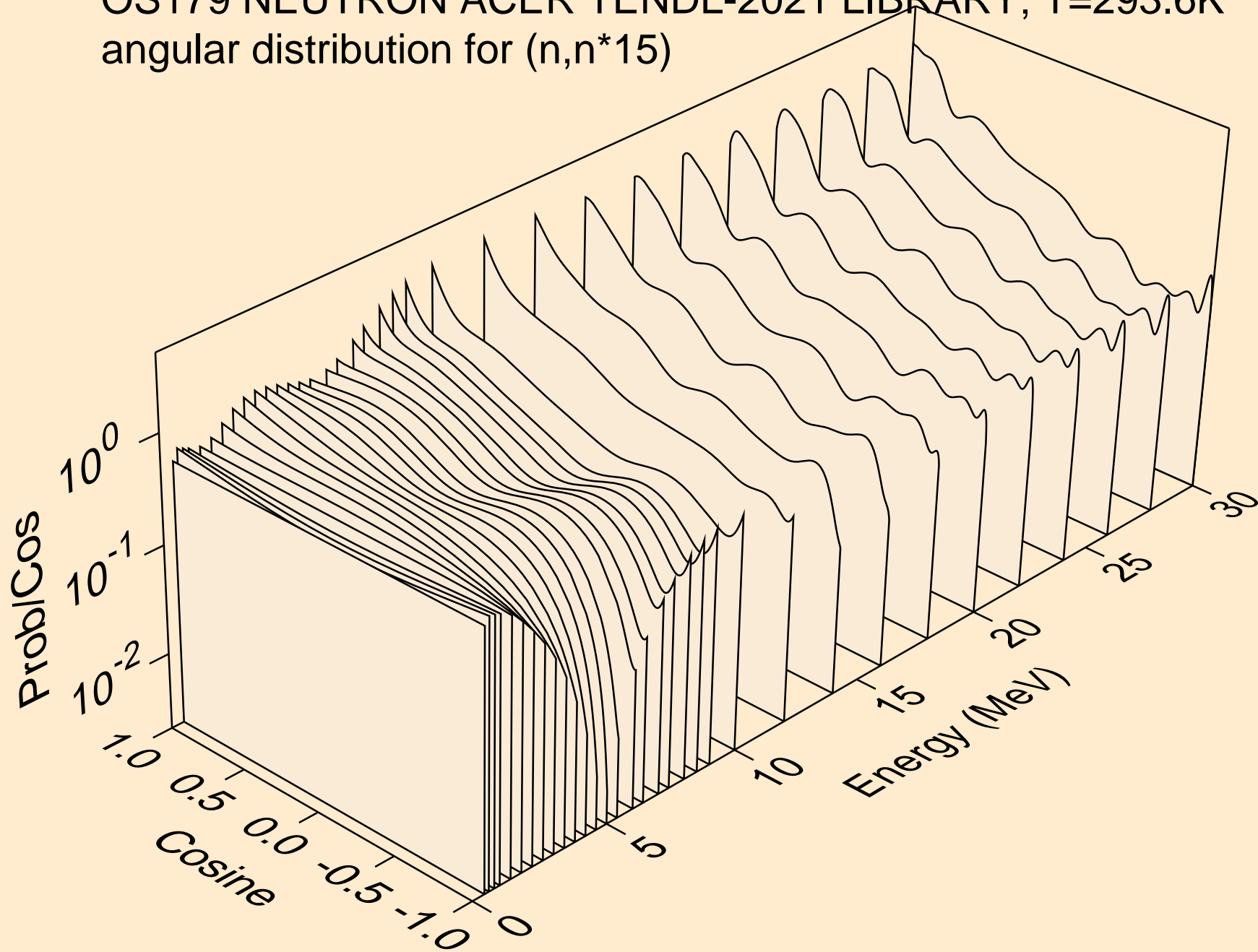
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angular distribution for (n,n\*13)



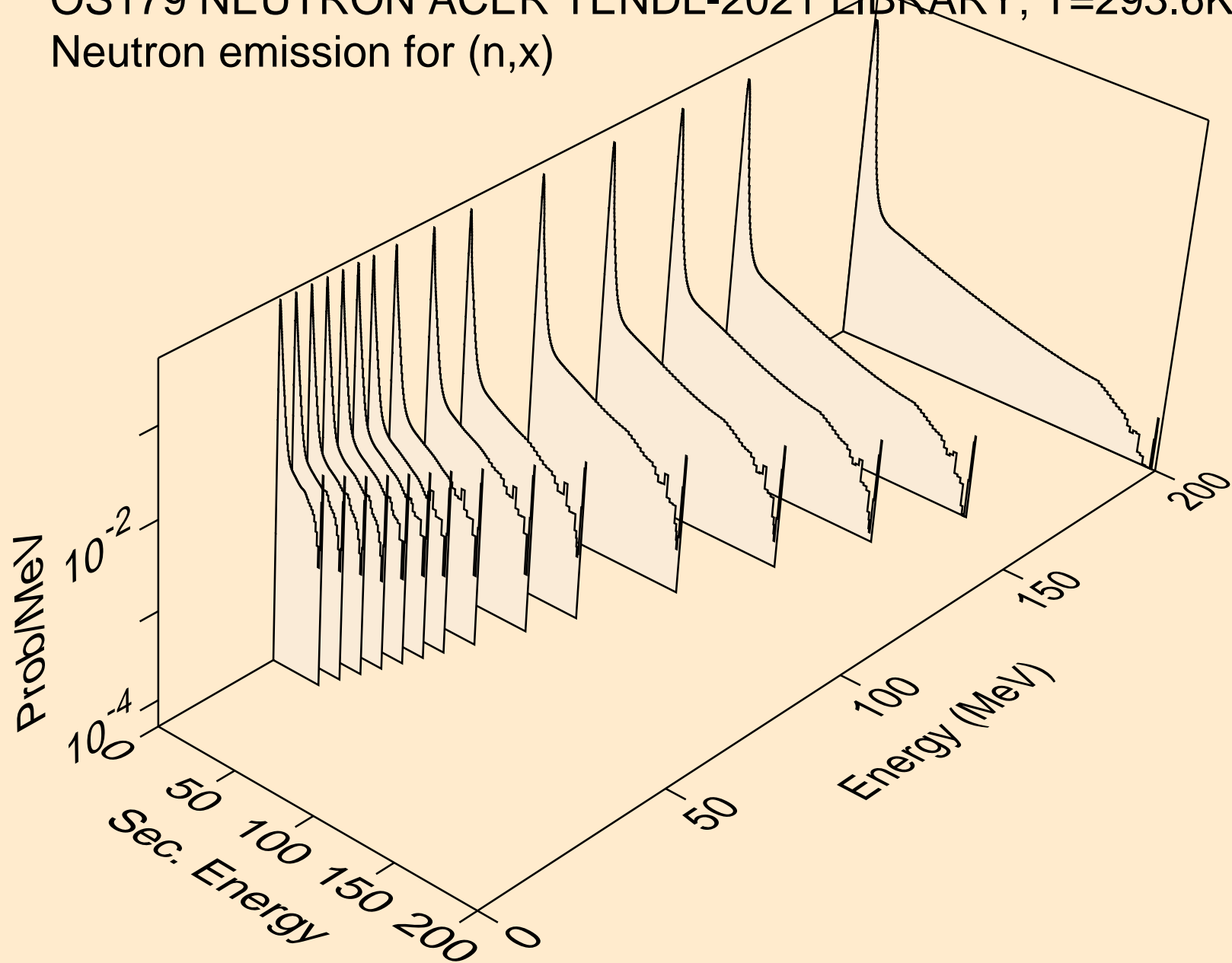
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angular distribution for (n,n\*14)



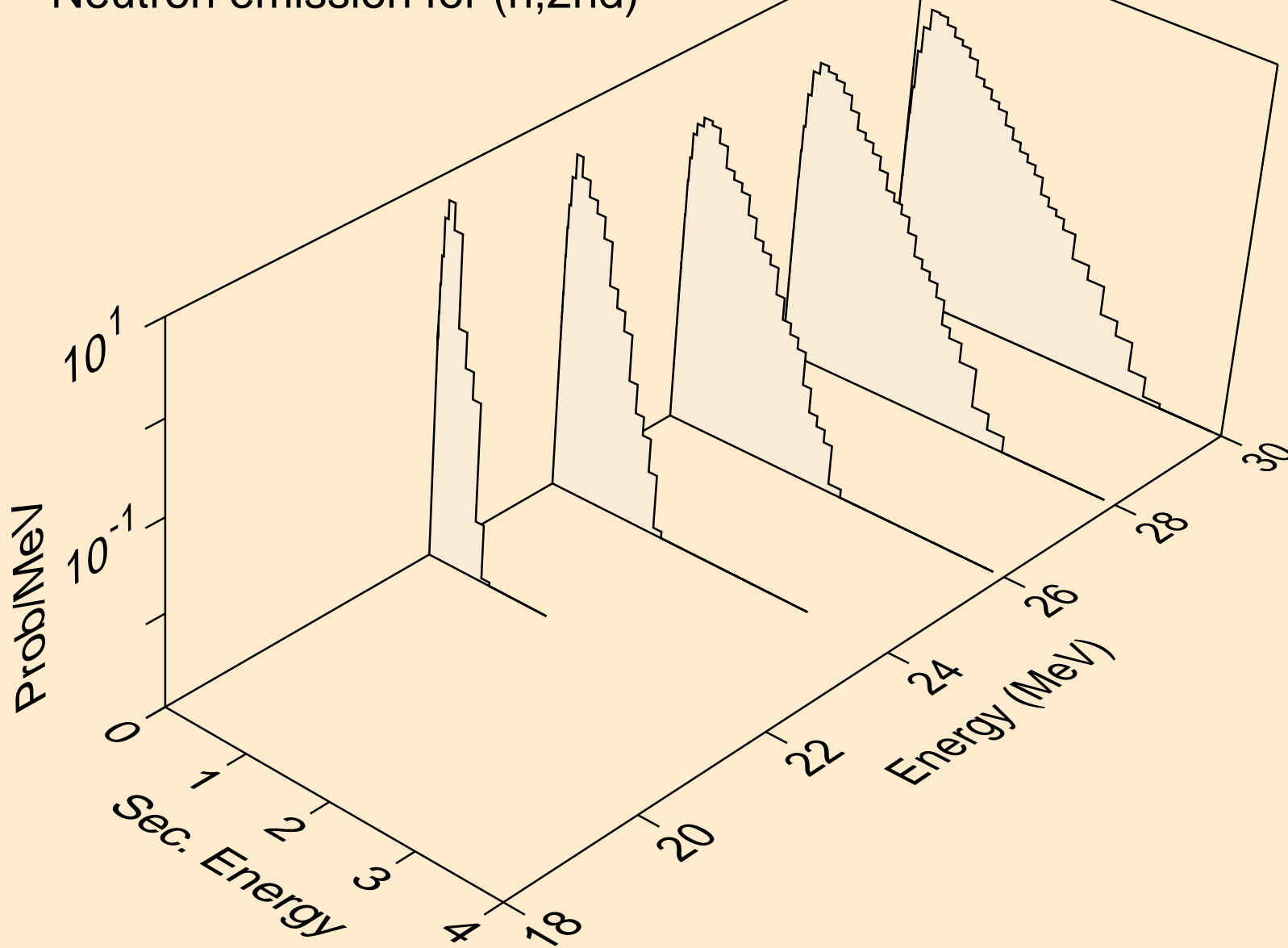
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angular distribution for (n,n\*15)



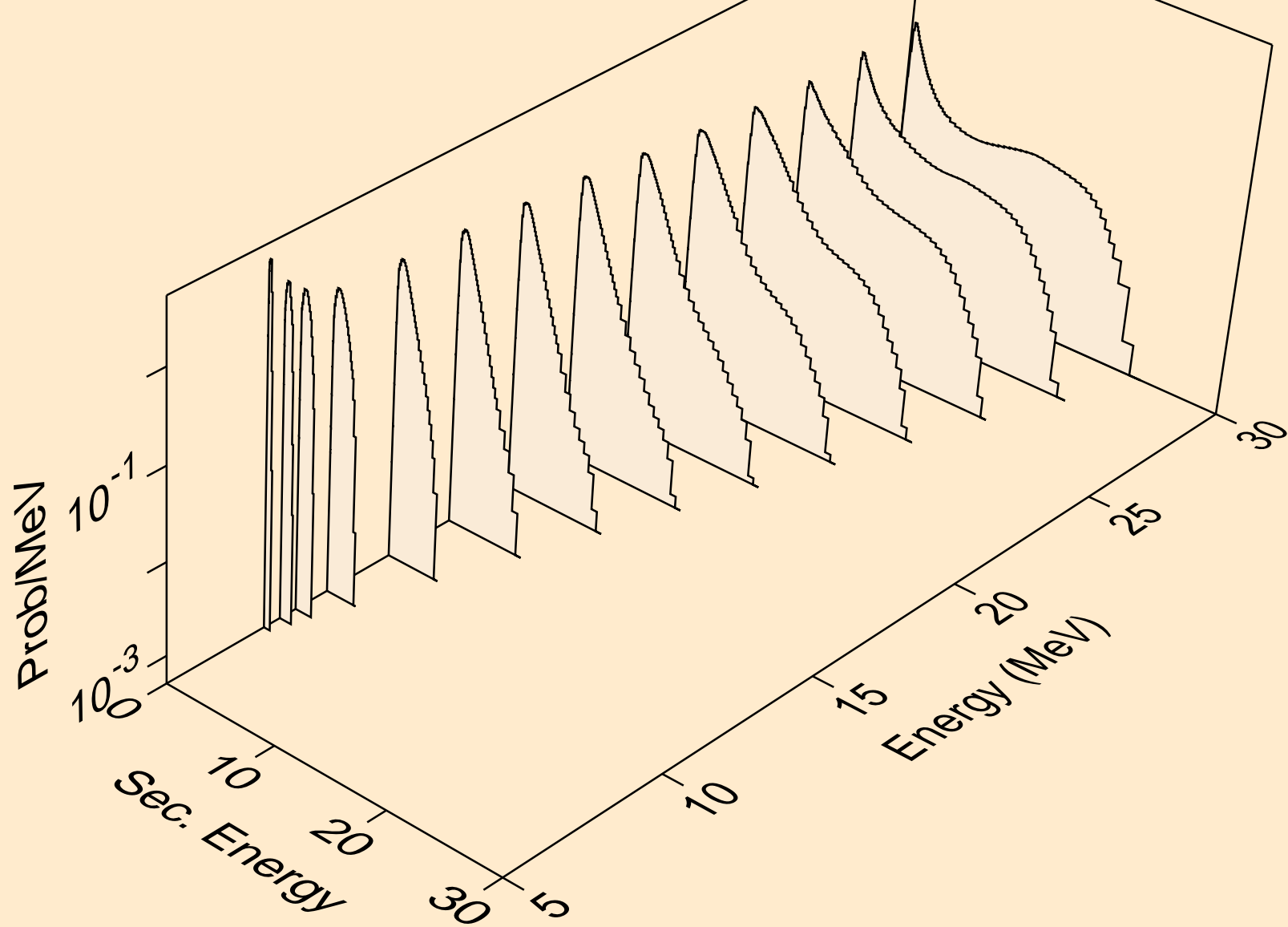
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

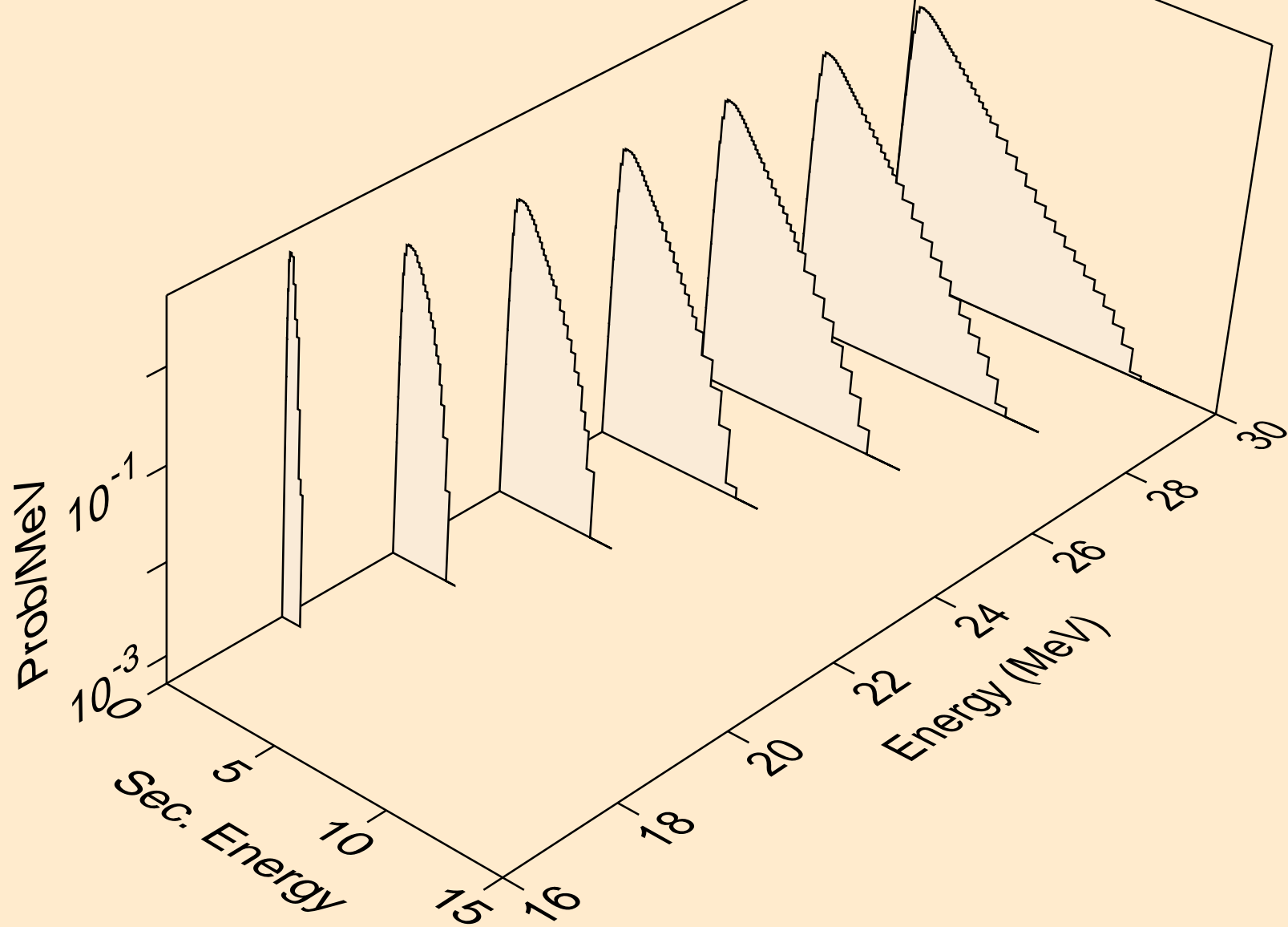


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

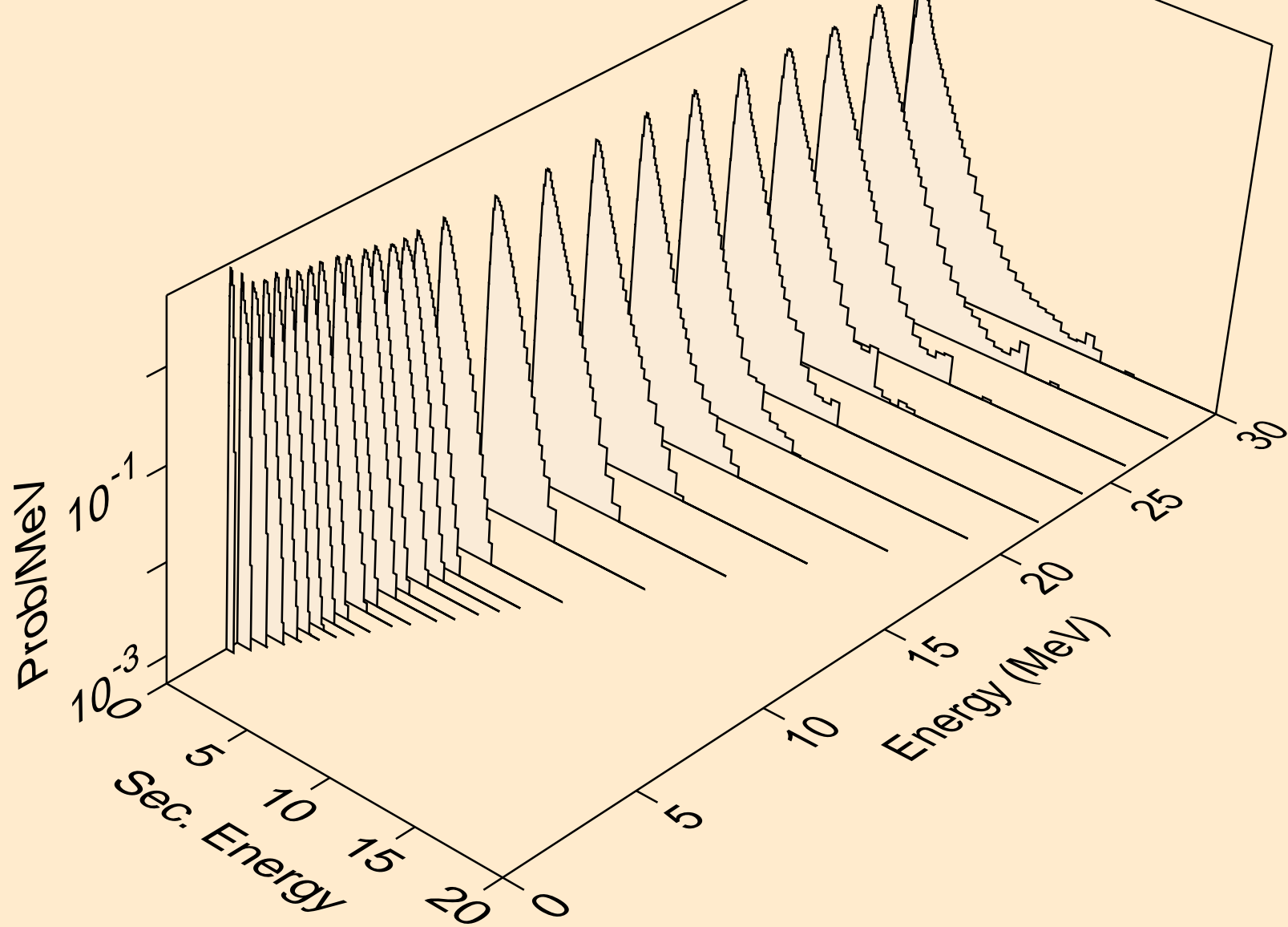




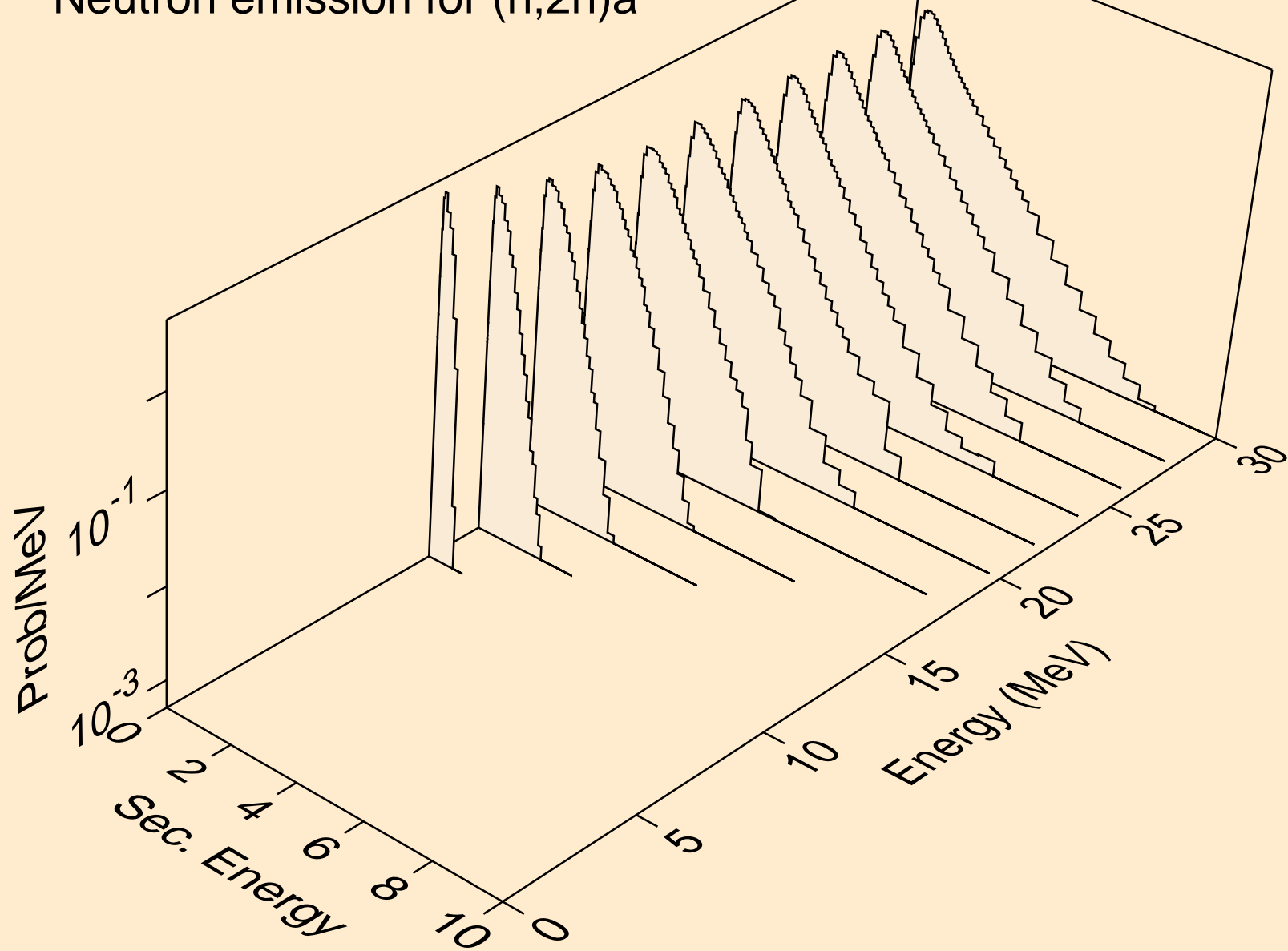
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Neutron emission for (n,3n)



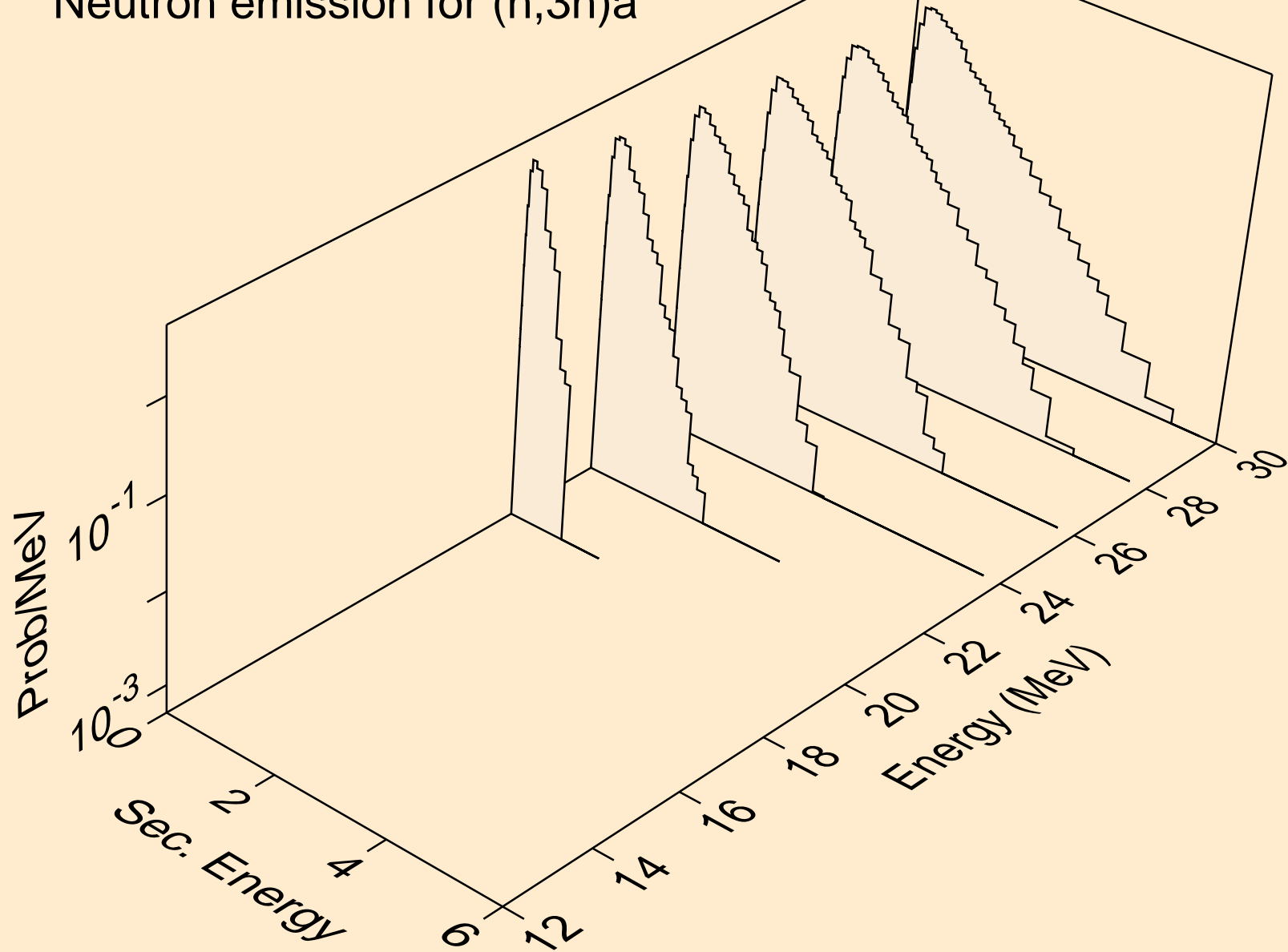
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



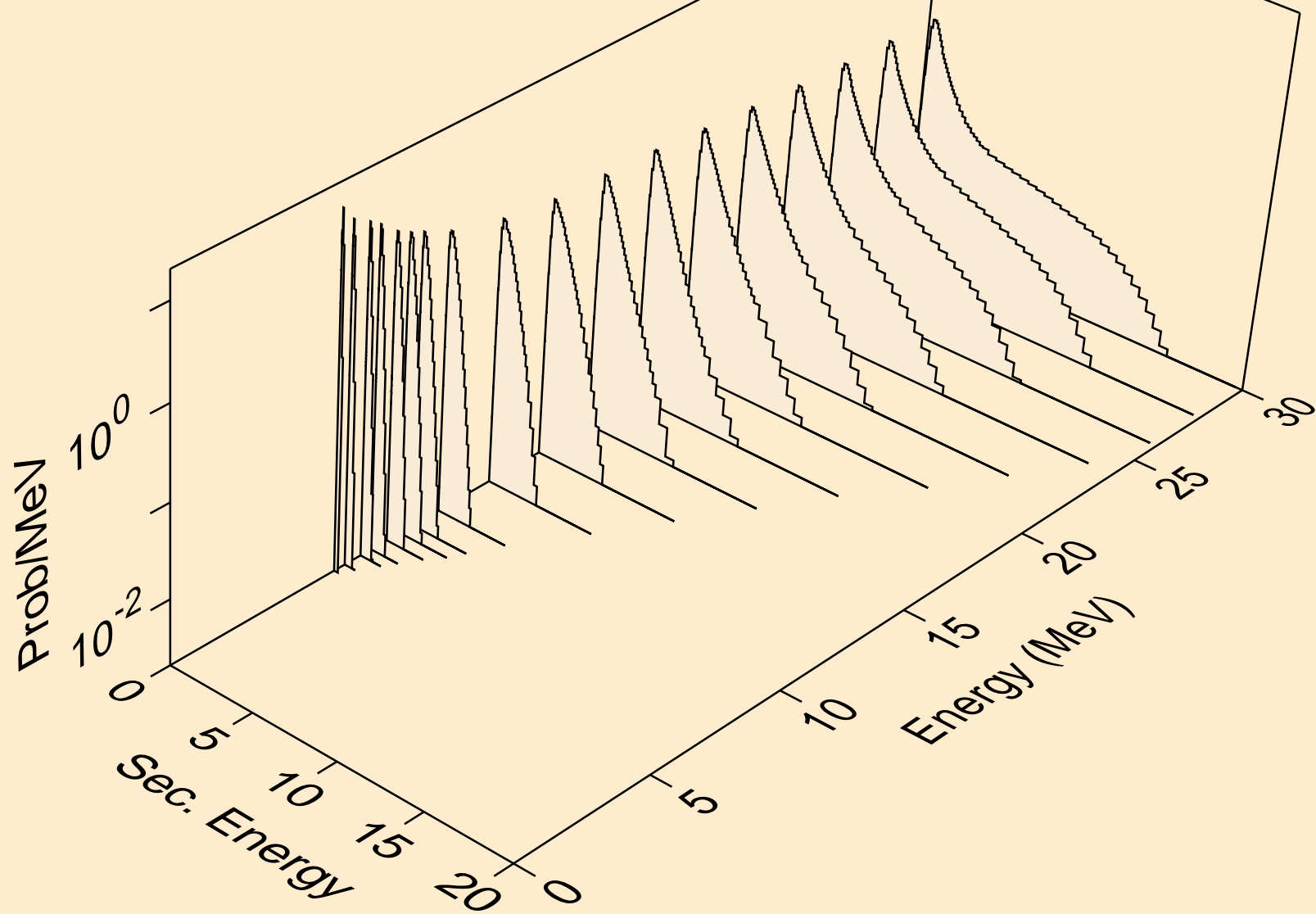
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Neutron emission for (n,2n)a



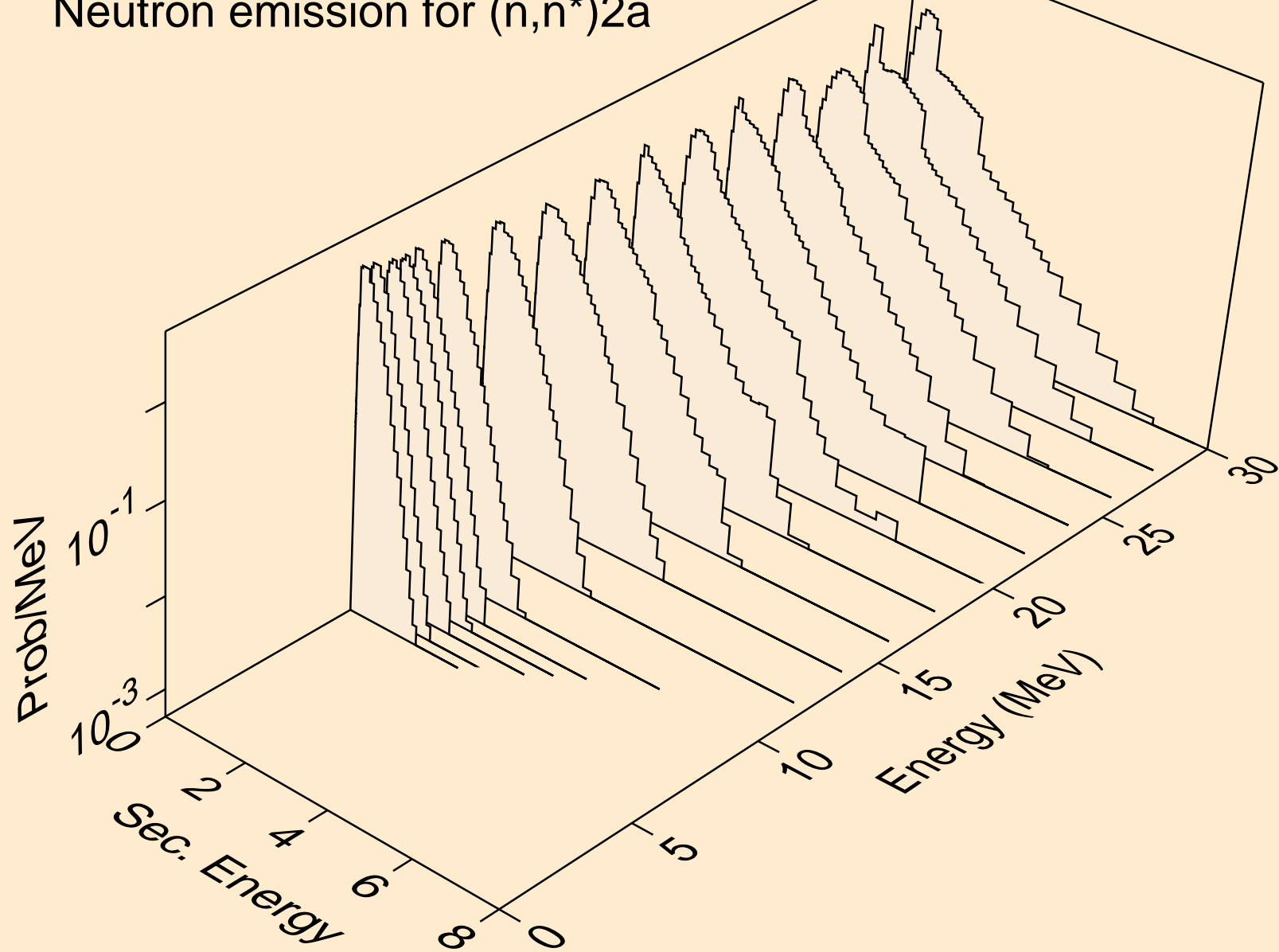
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Neutron emission for (n,3n)a



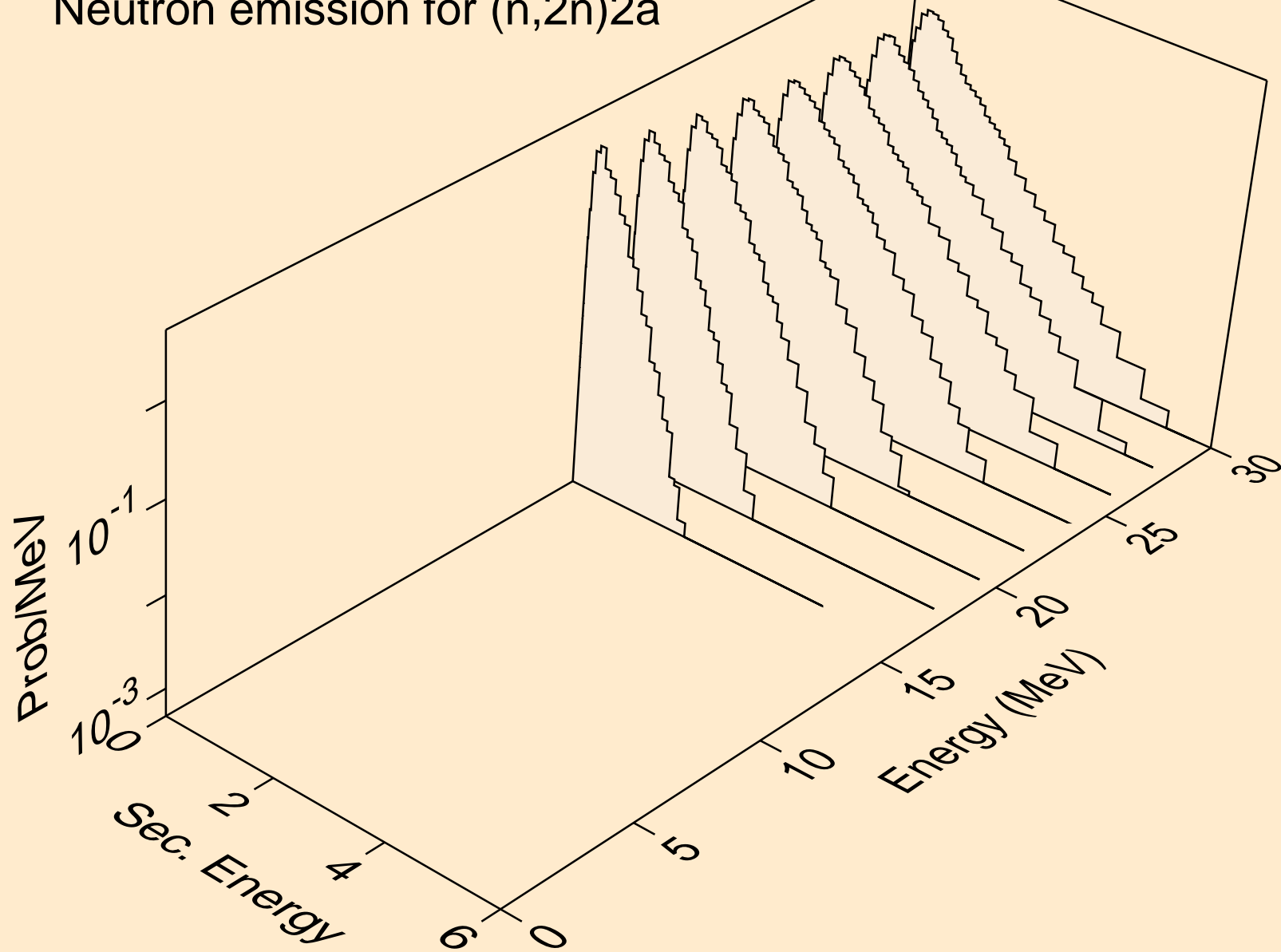
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Neutron emission for (n,n\*)p



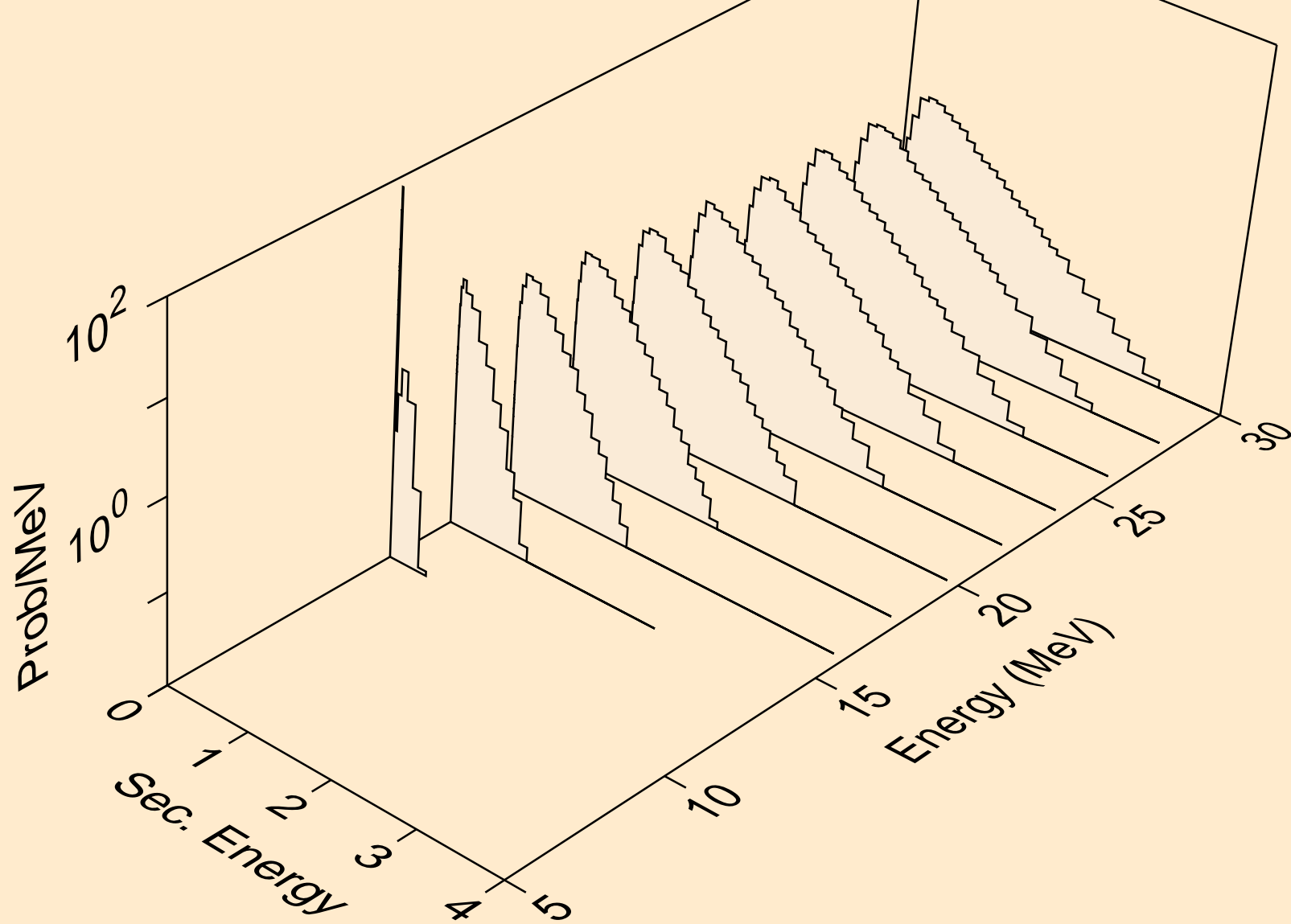
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

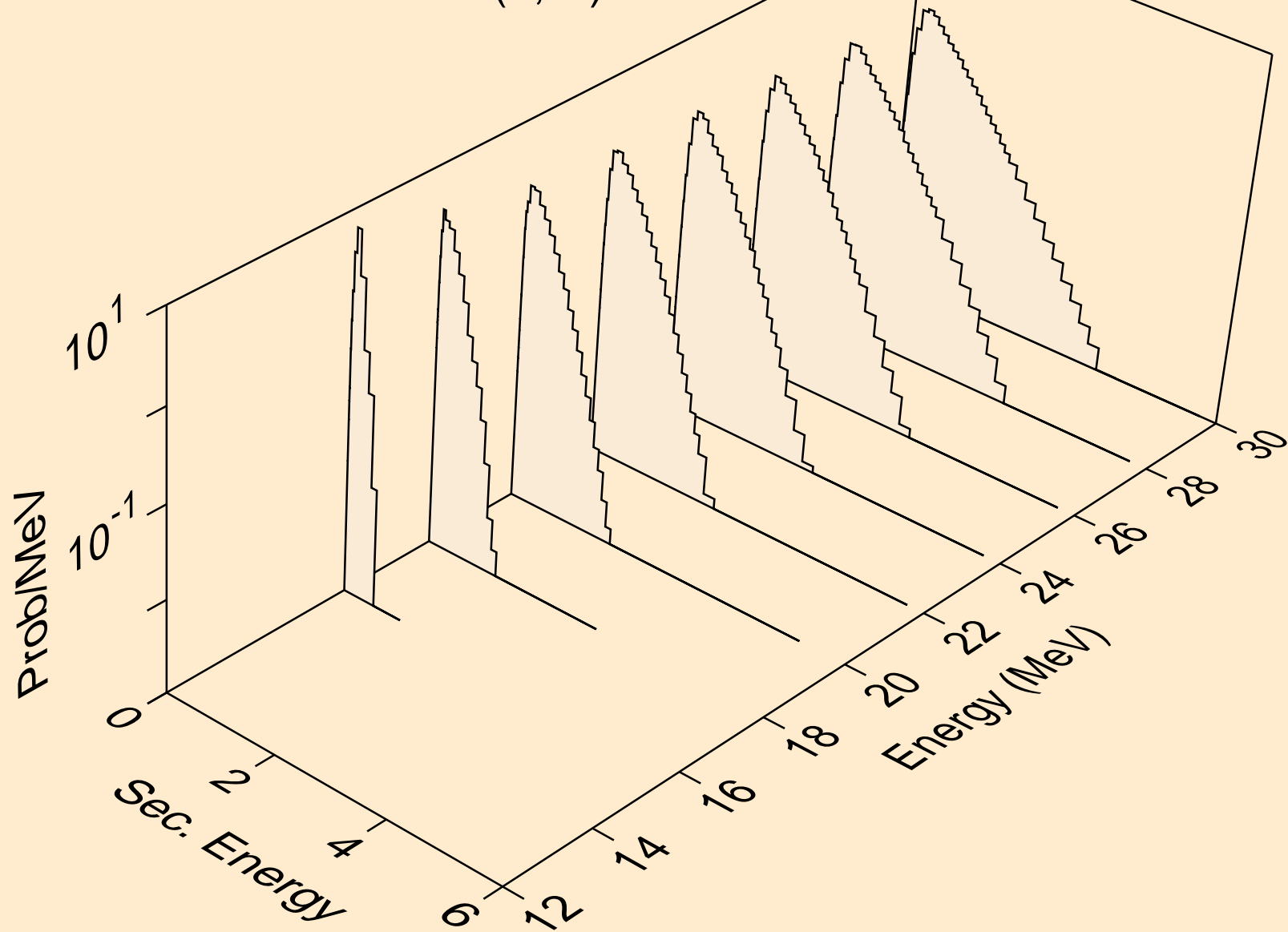


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

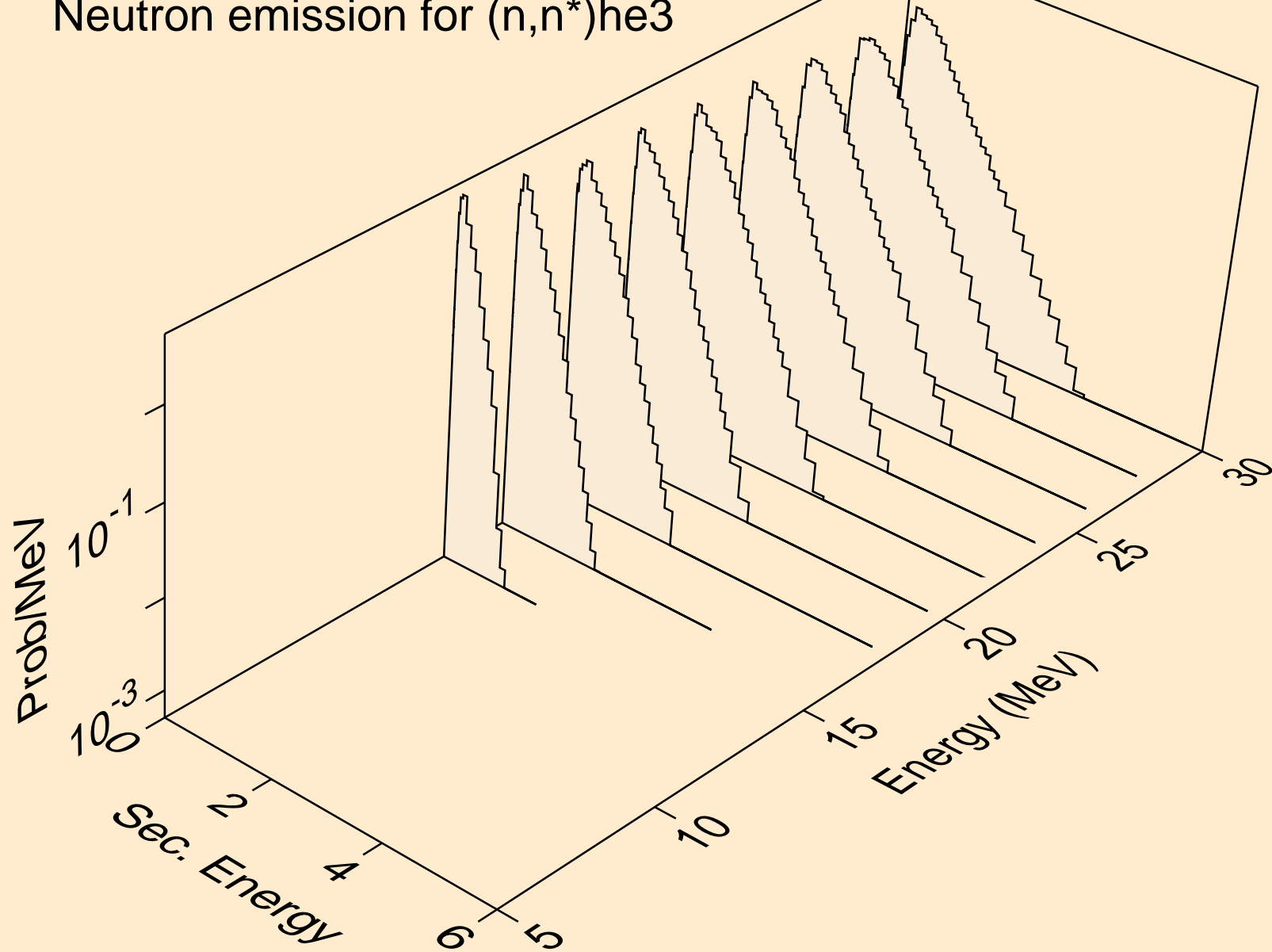




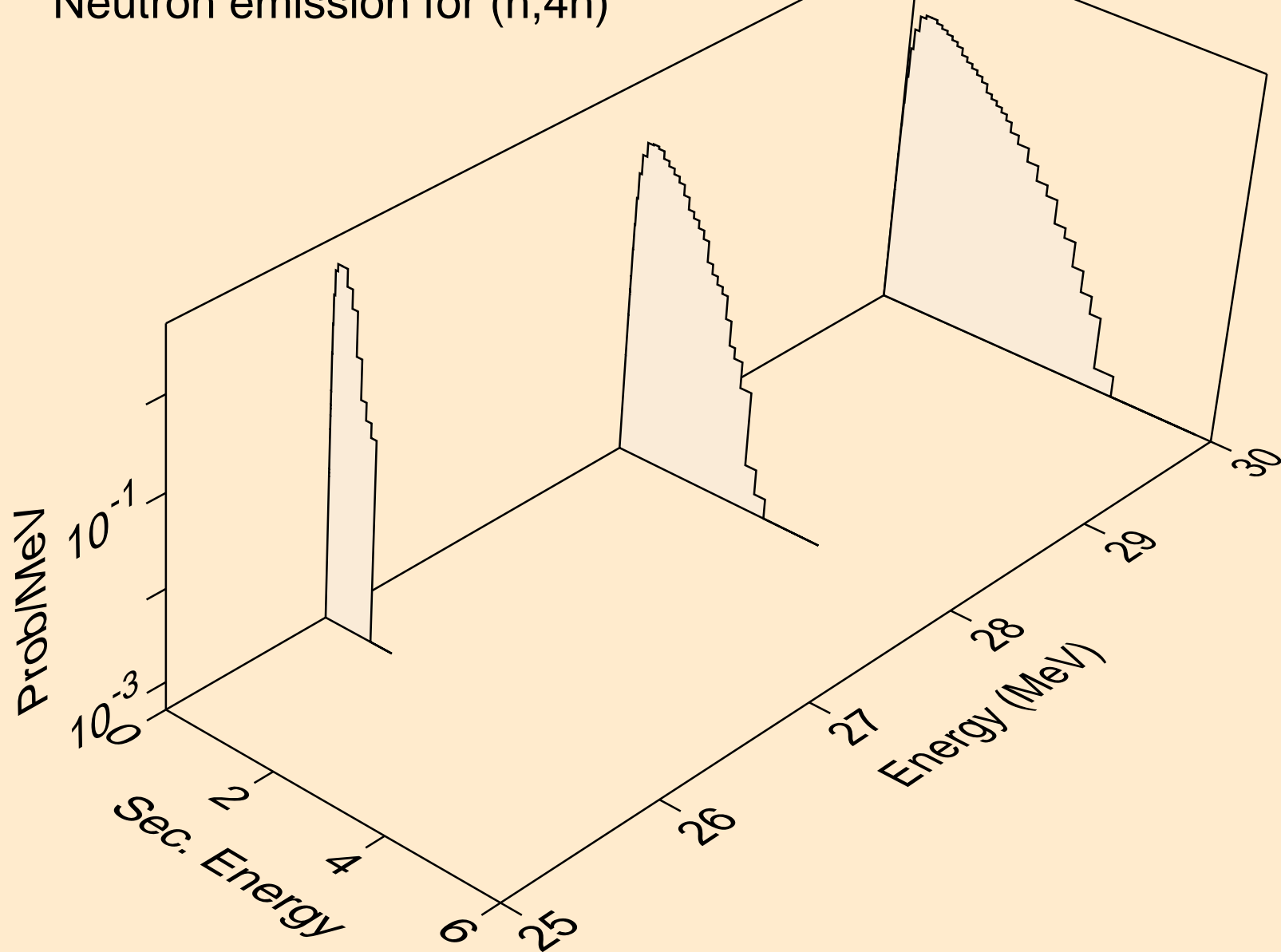
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Neutron emission for (n,n\*)t



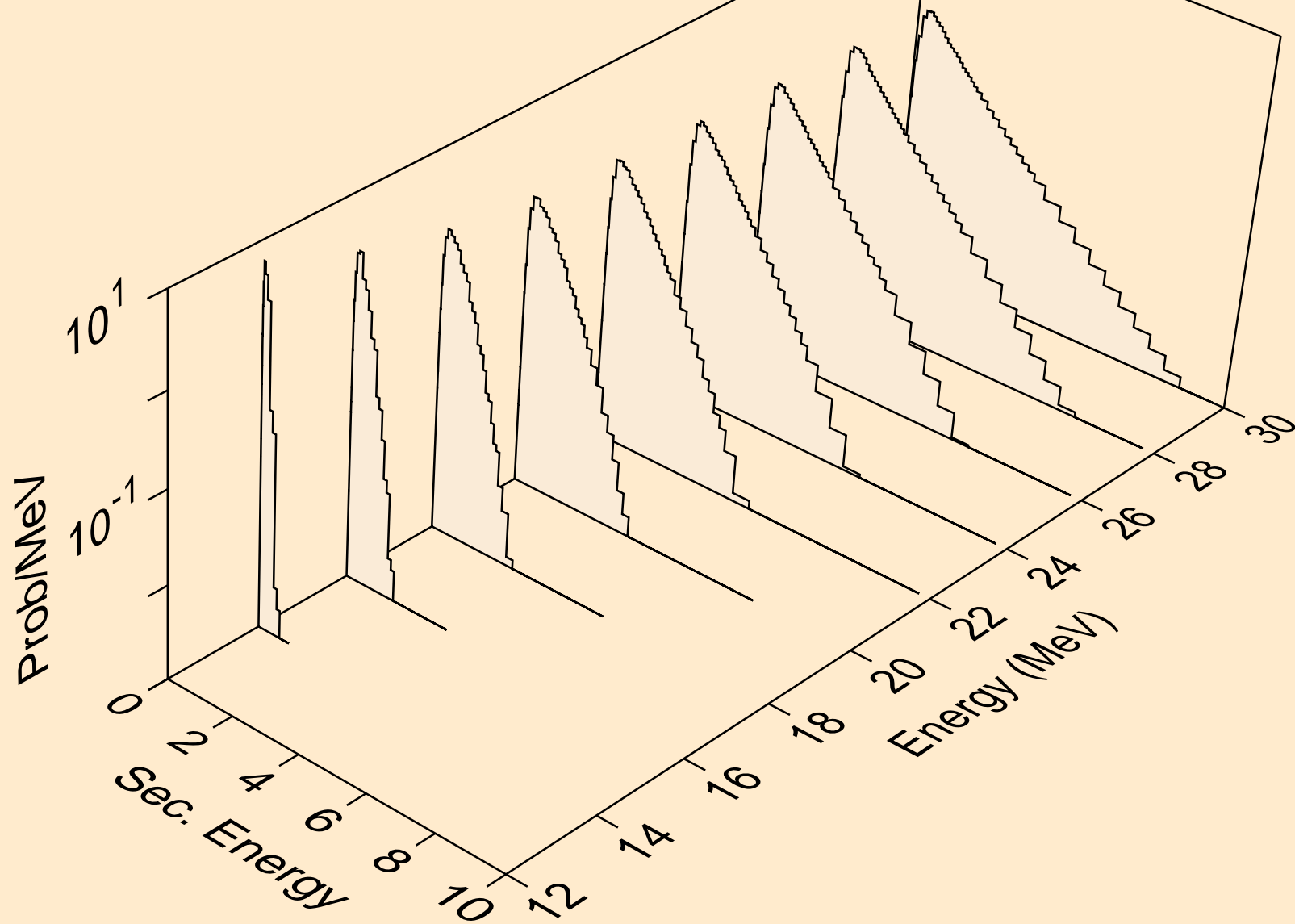
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Neutron emission for (n,n\*)he3



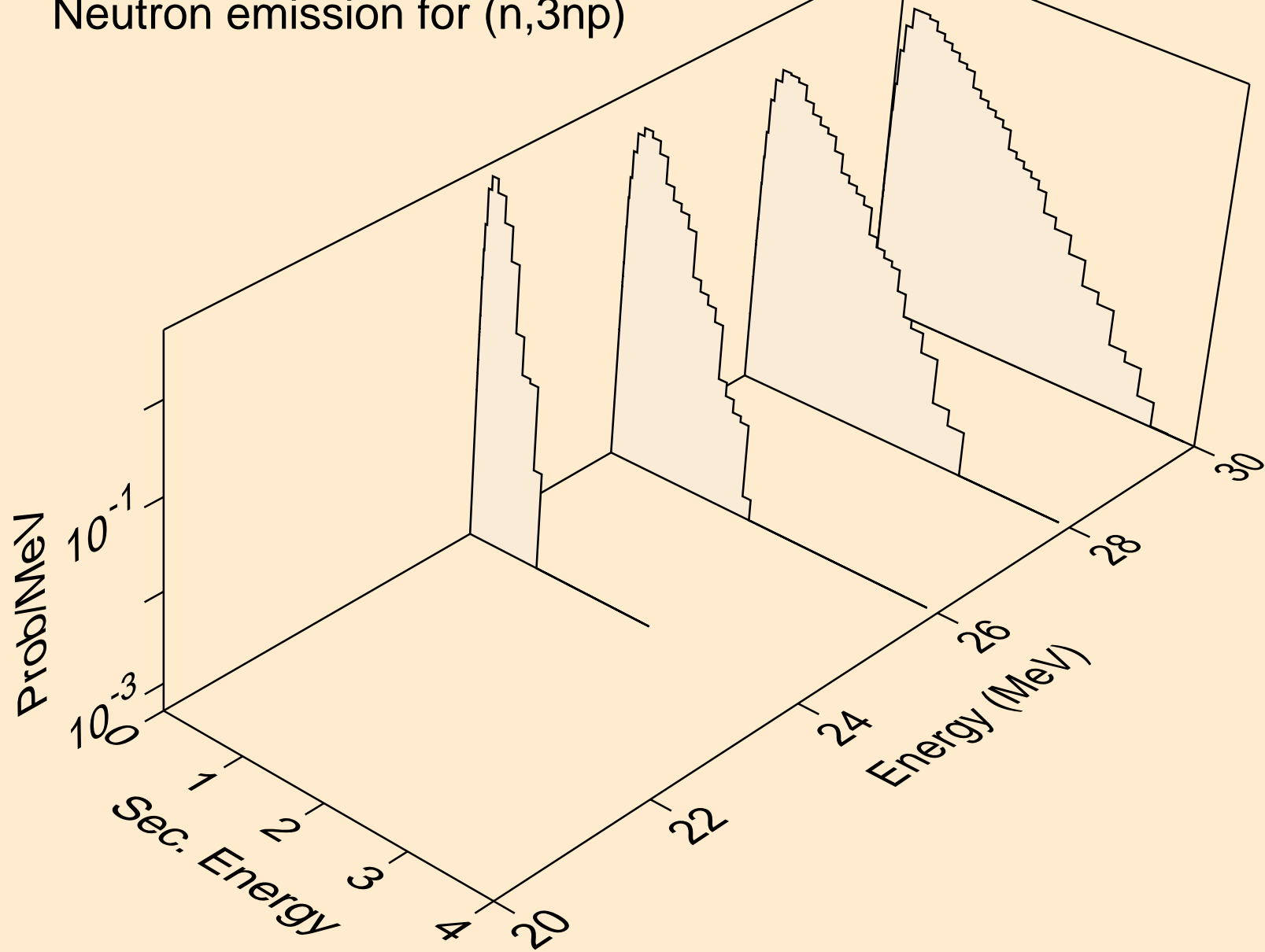
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Neutron emission for (n,4n)



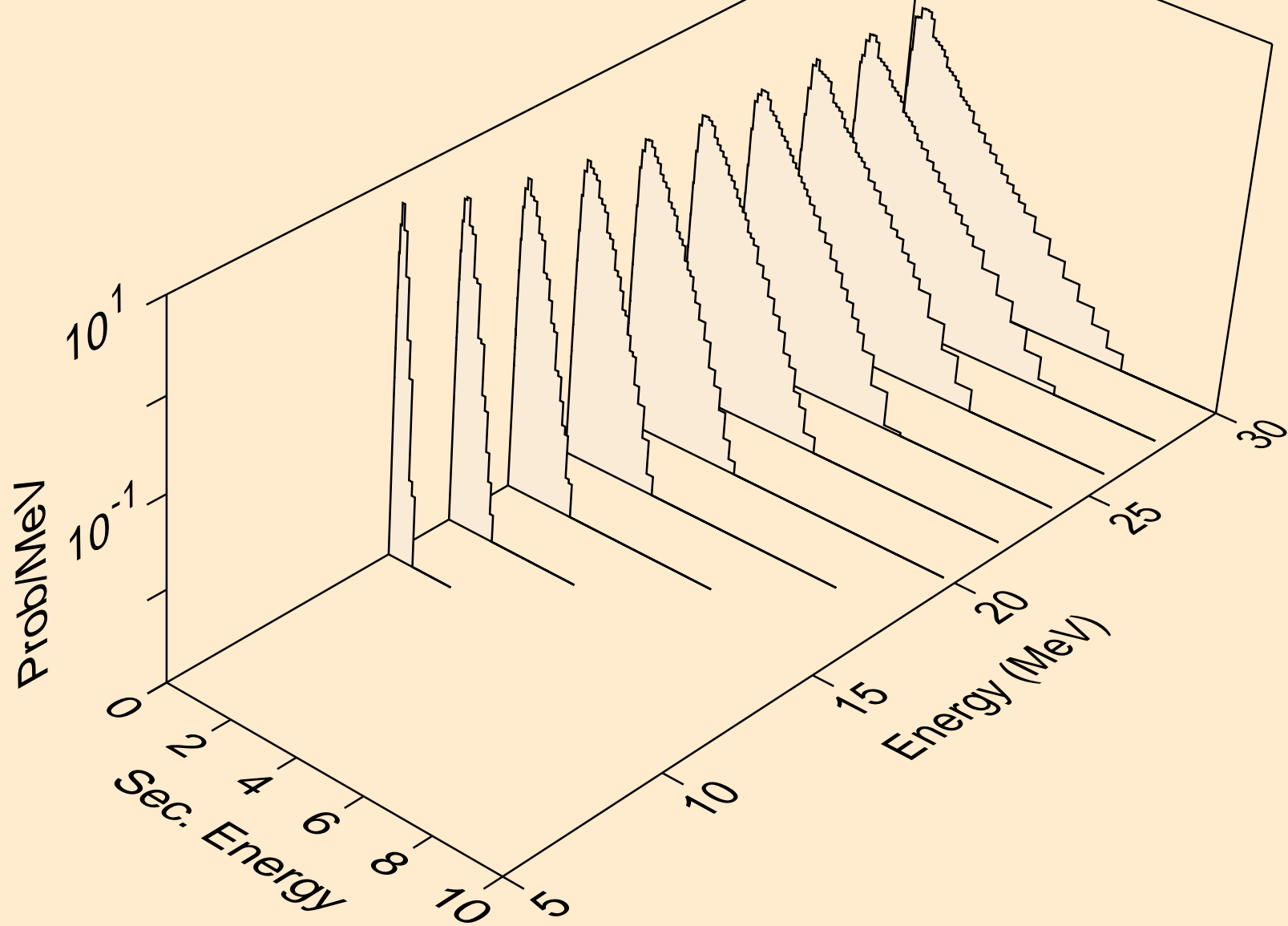
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Neutron emission for (n,2np)



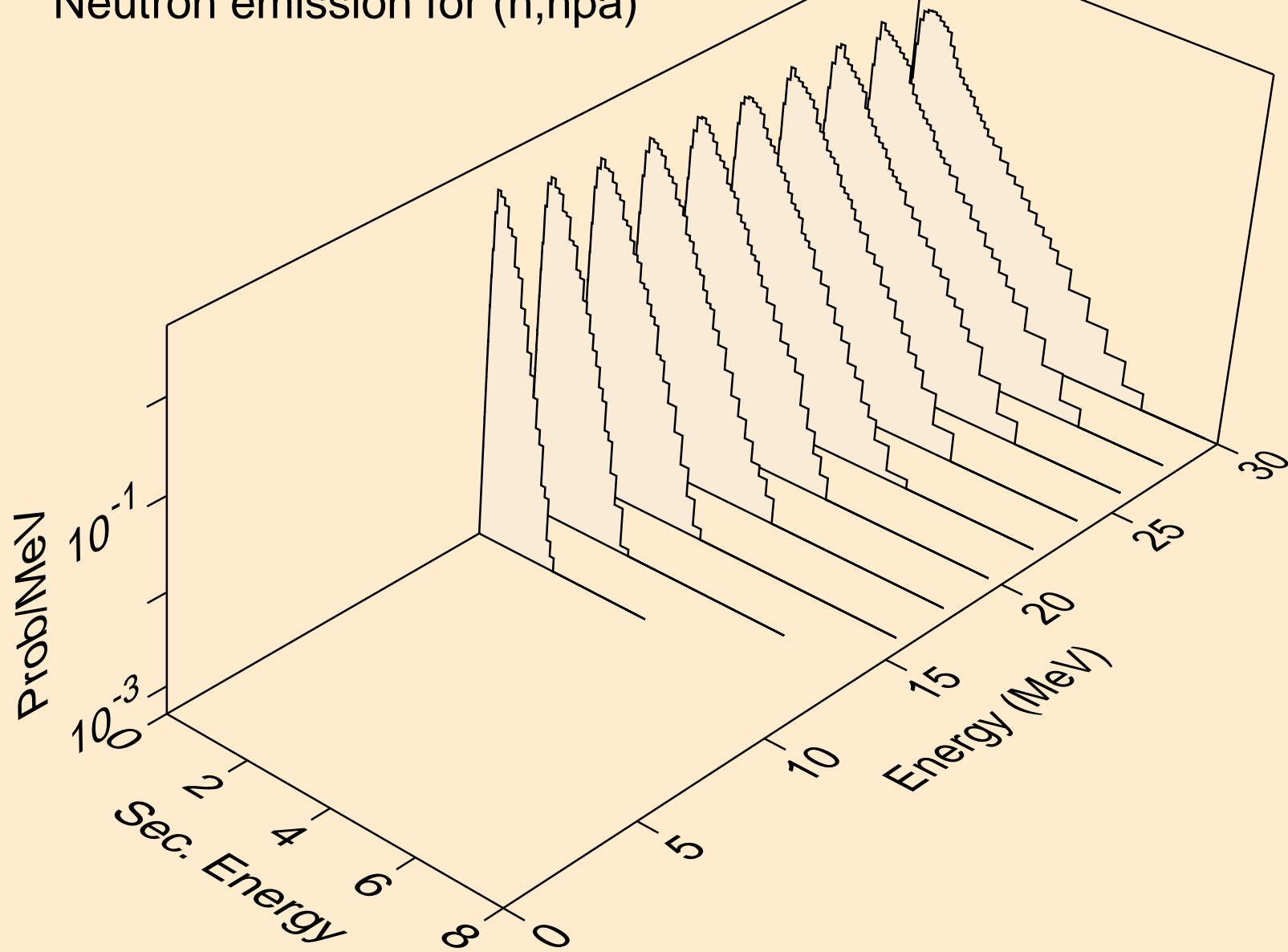
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



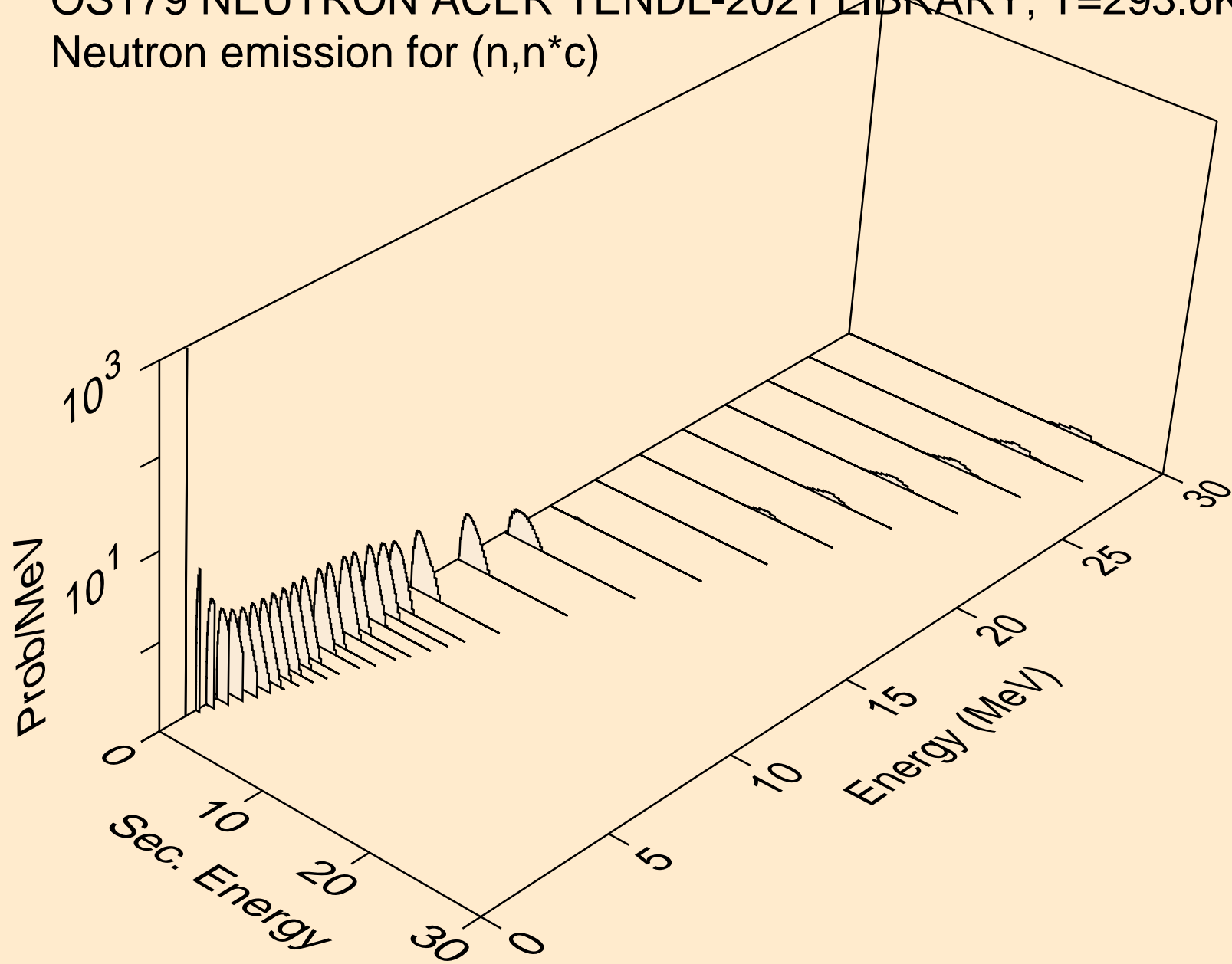
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

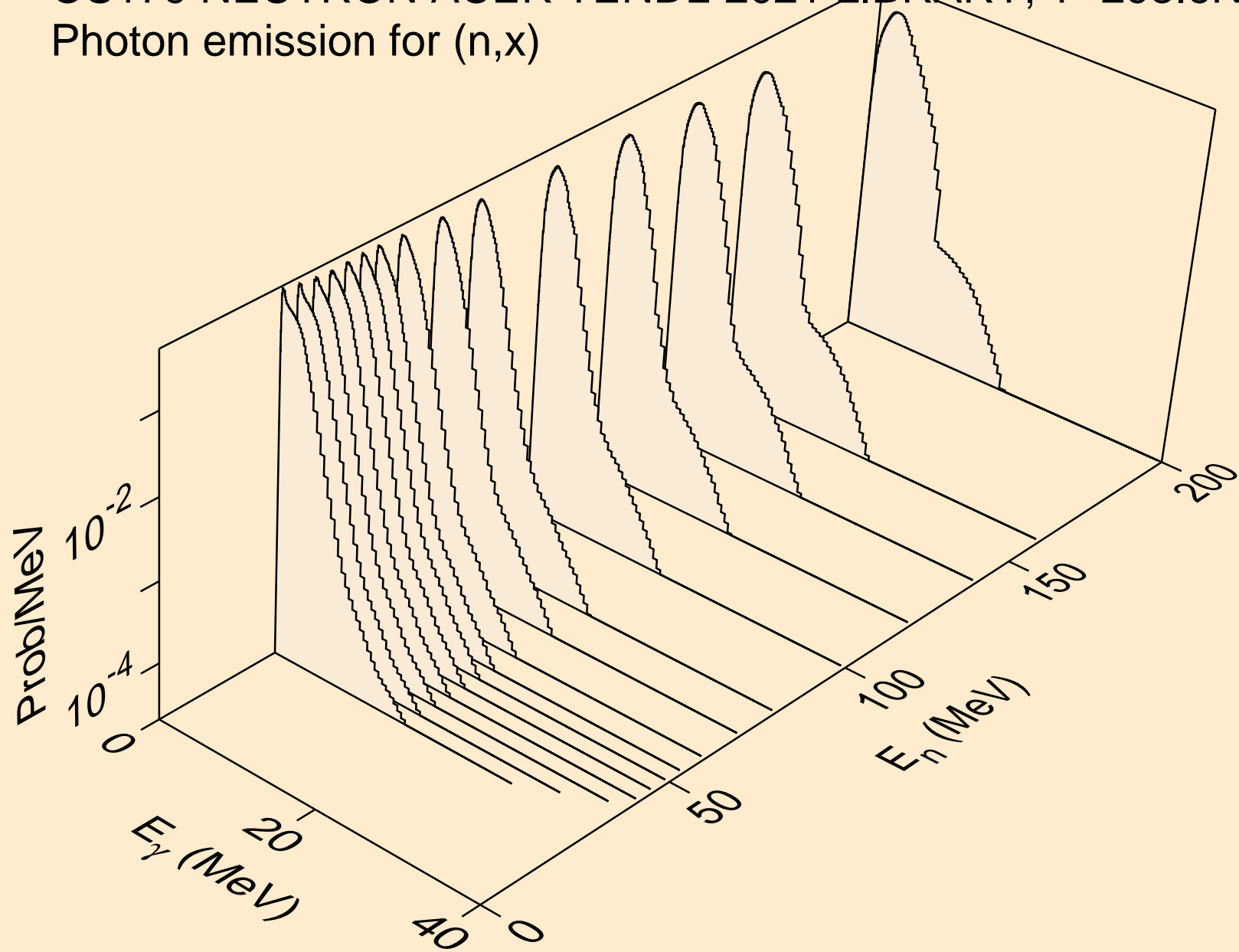


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

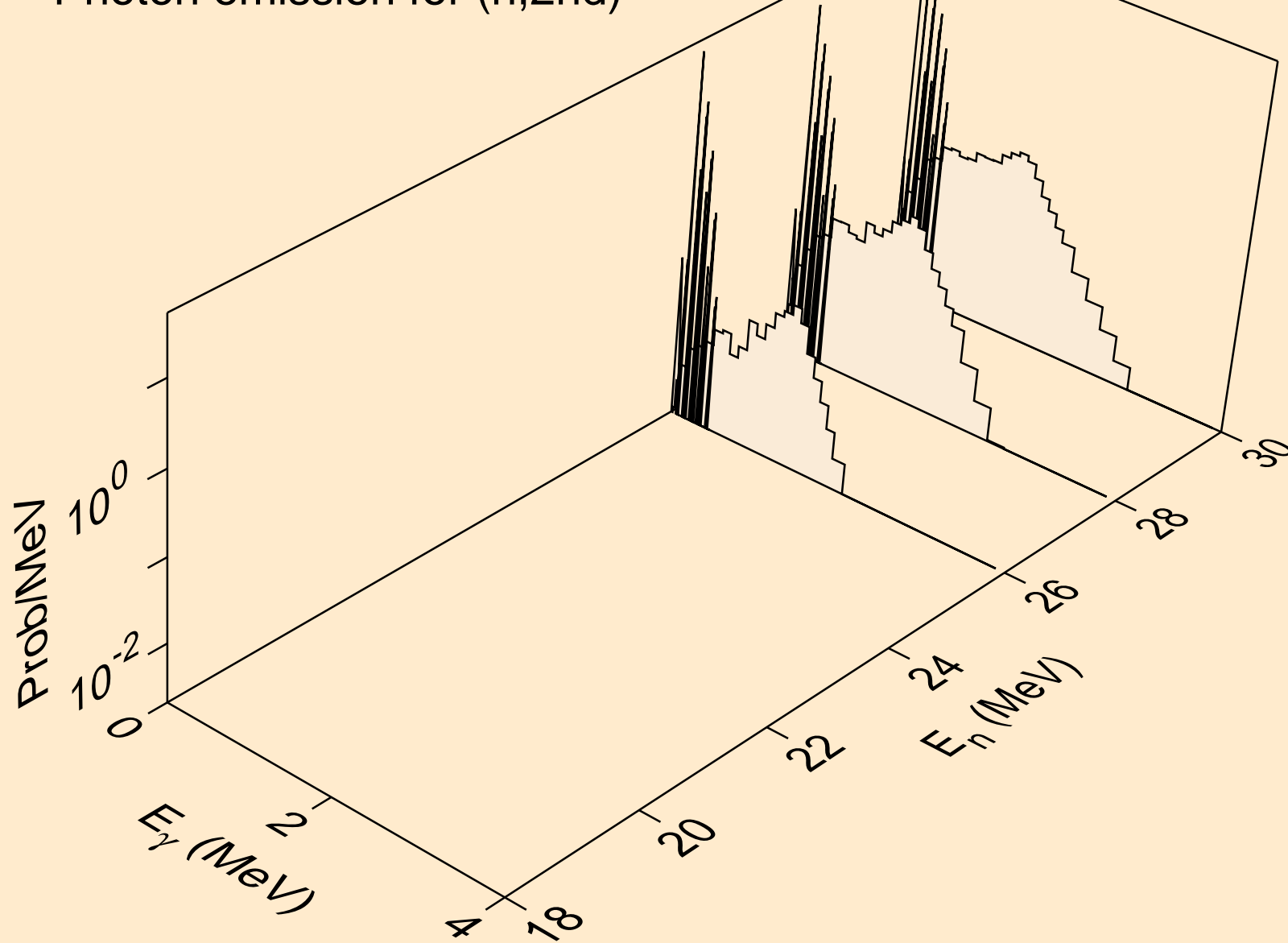




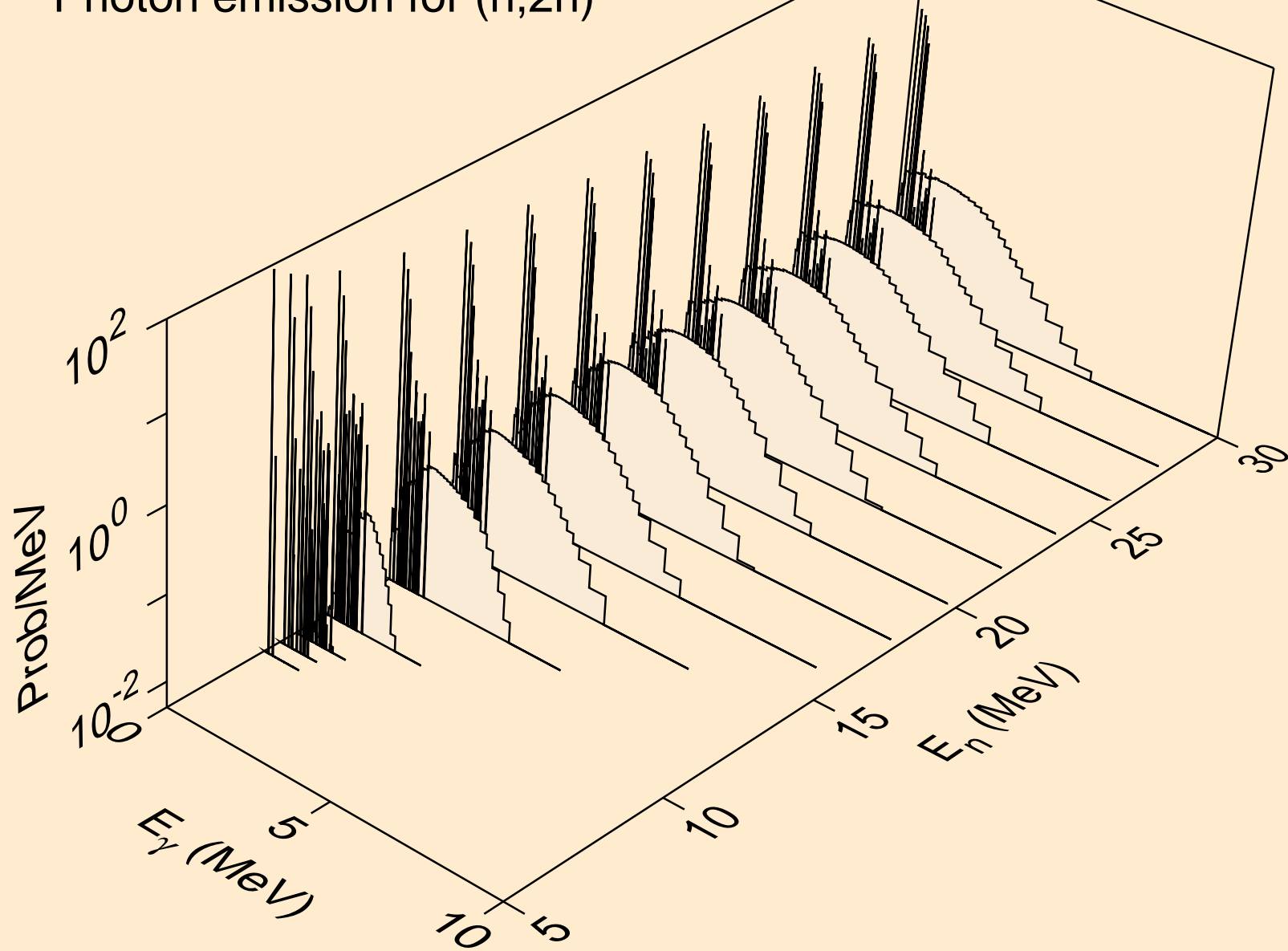
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Photon emission for (n,x)



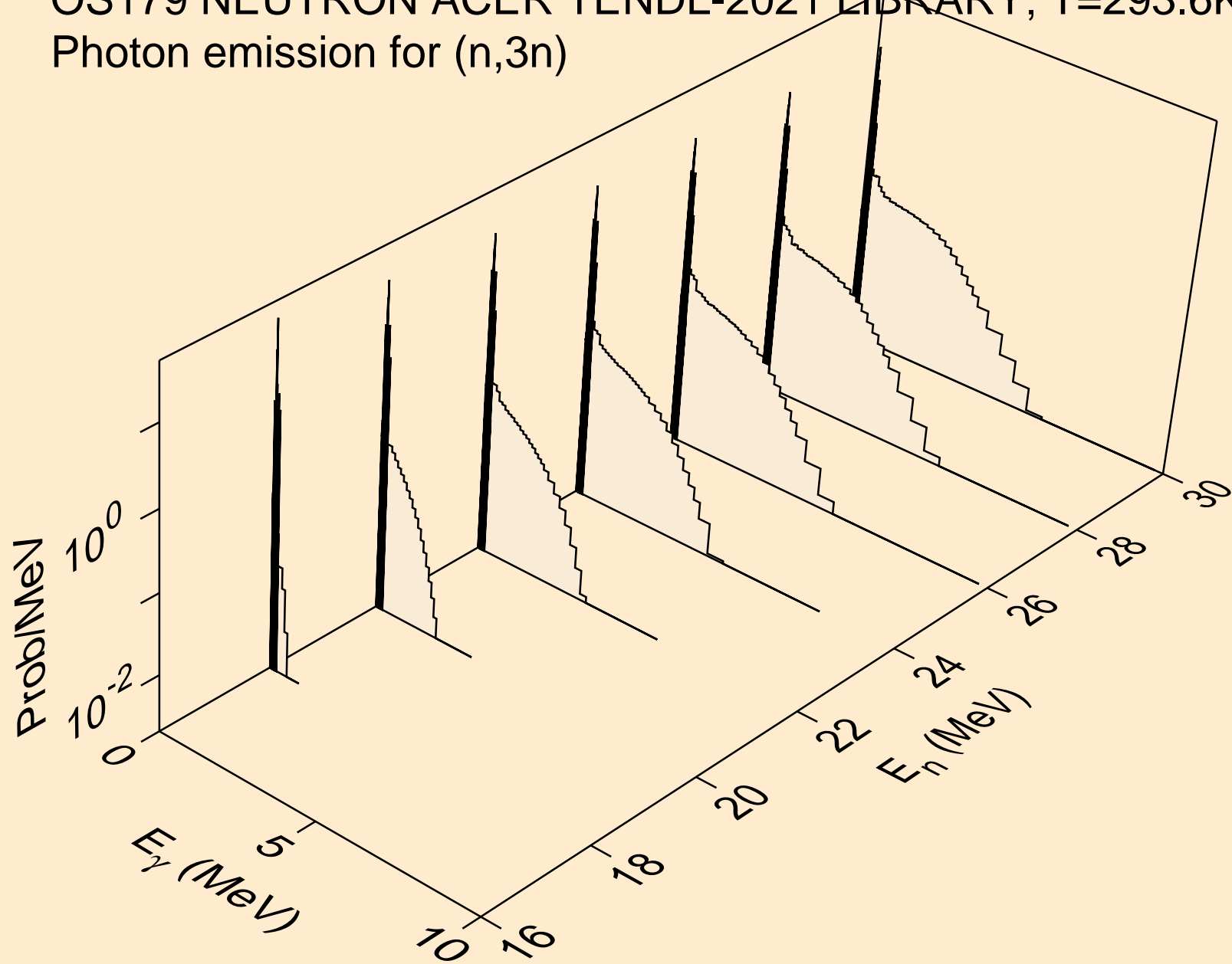
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Photon emission for (n,2nd)



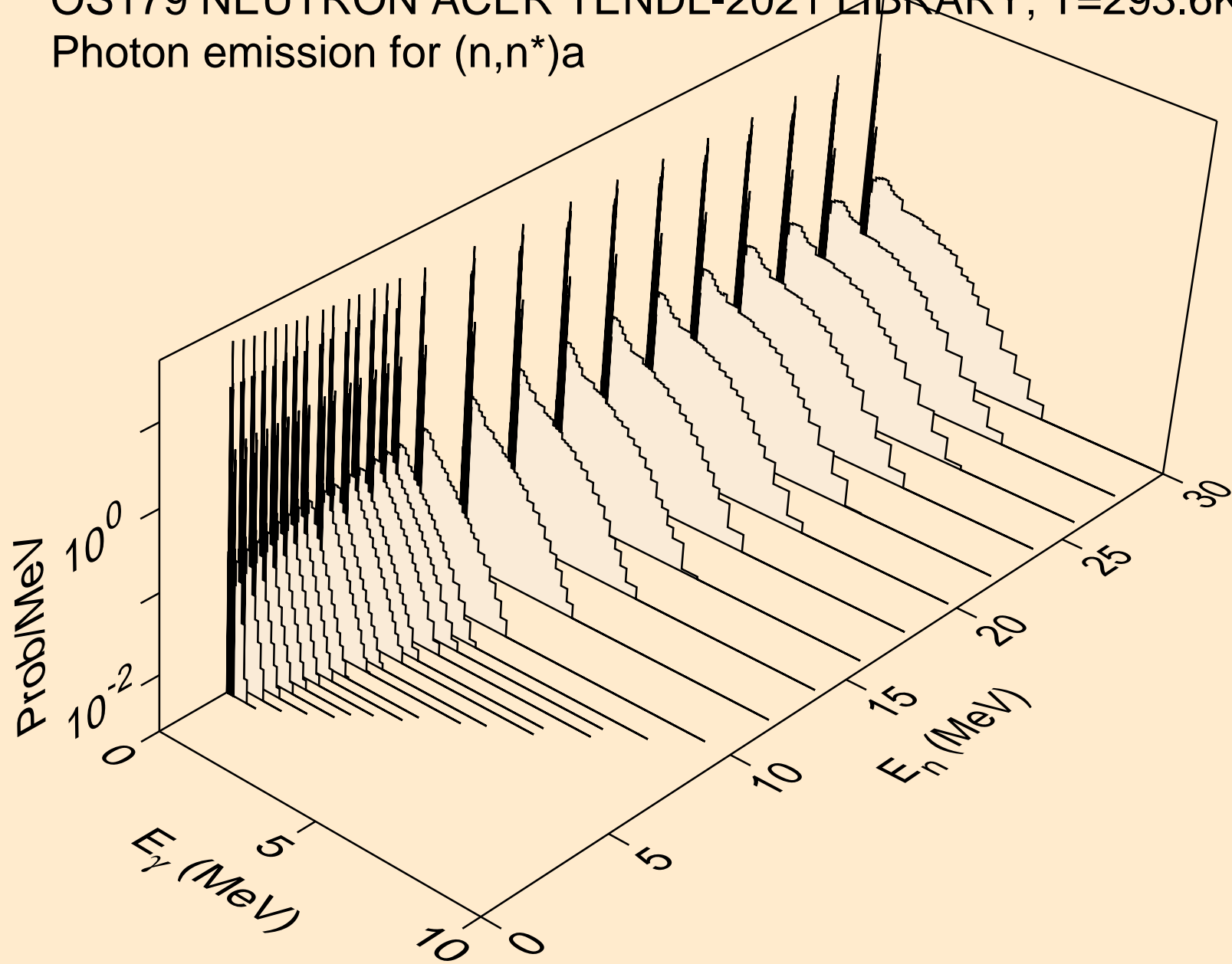
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



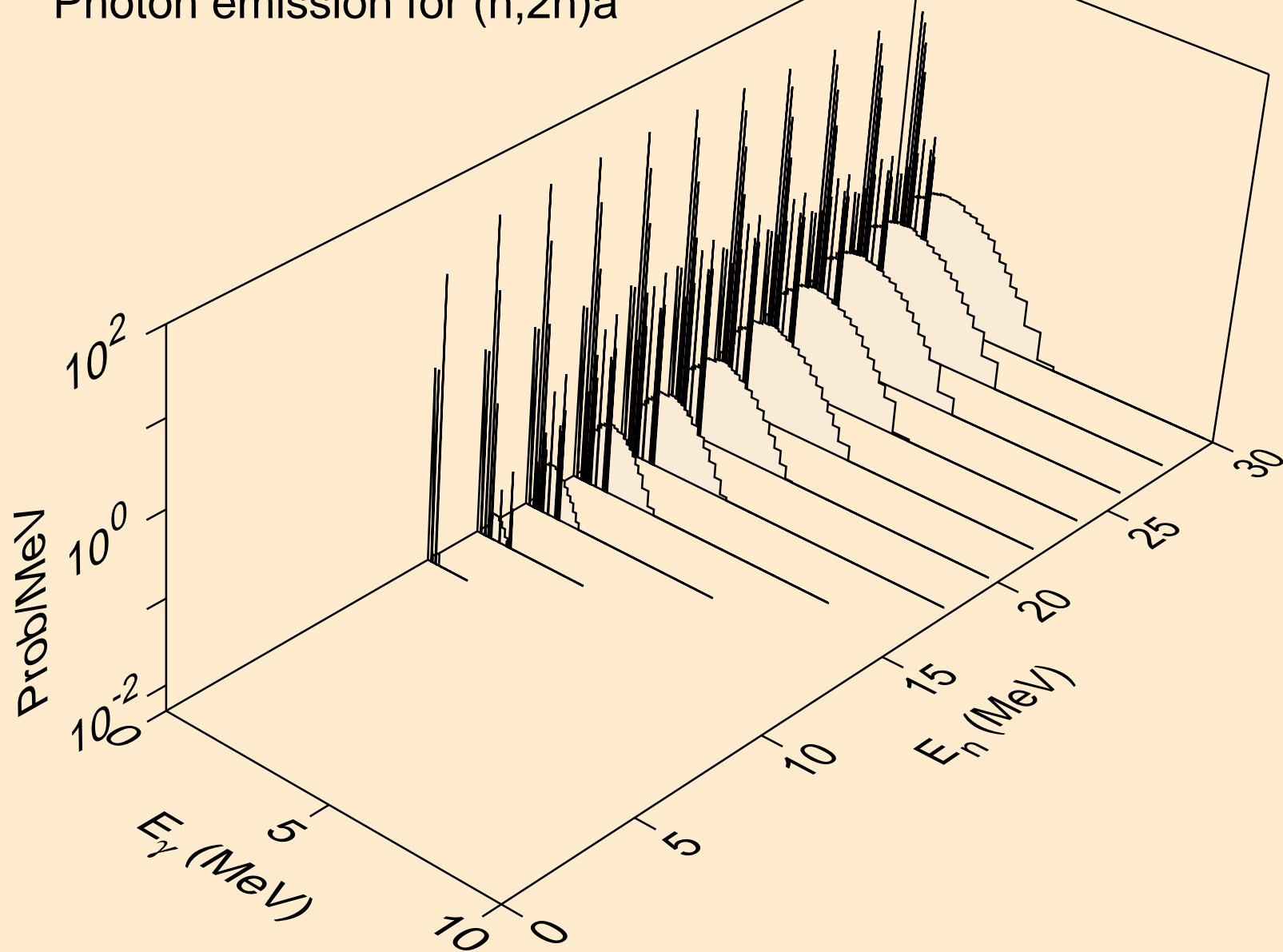
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Photon emission for (n,3n)



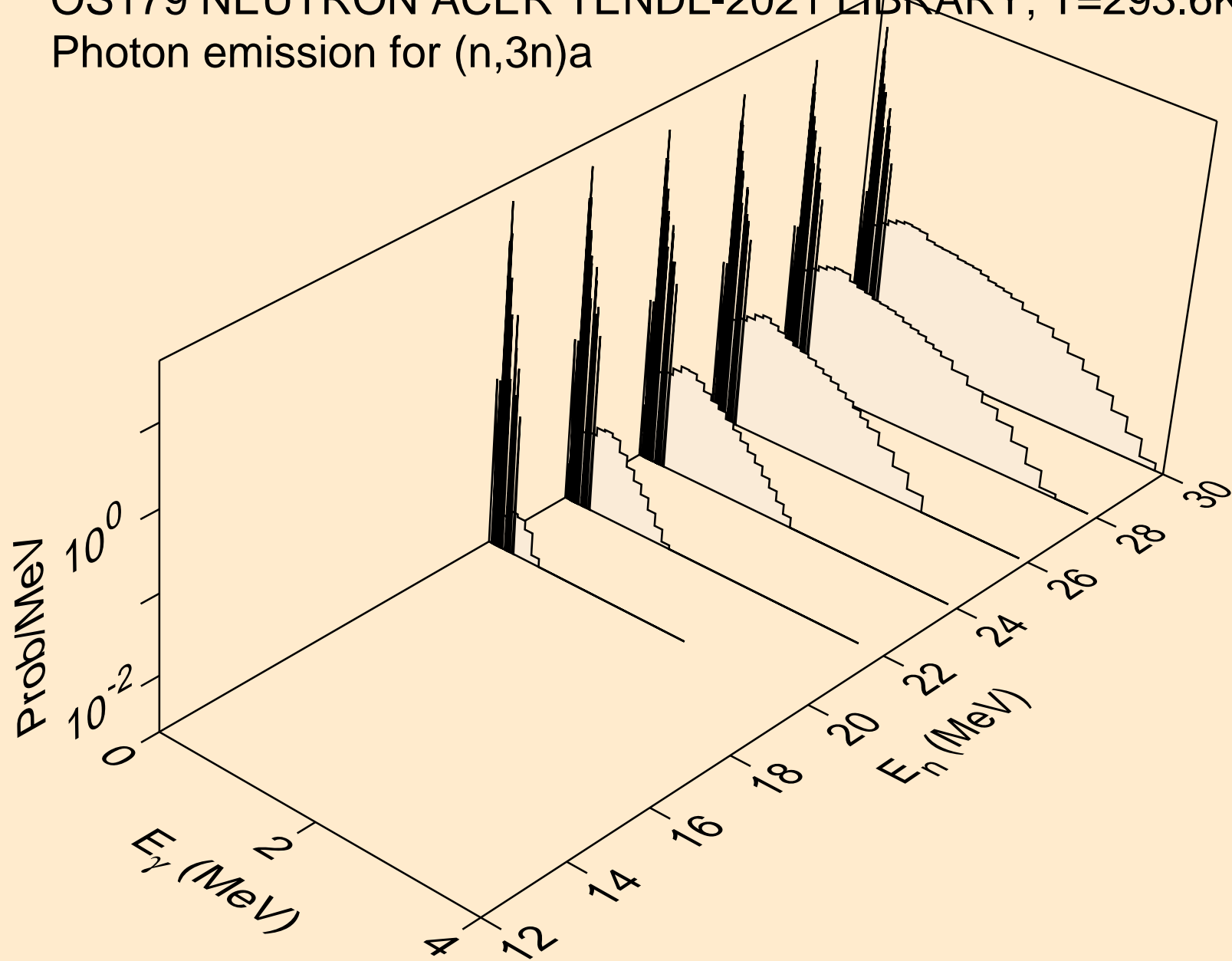
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



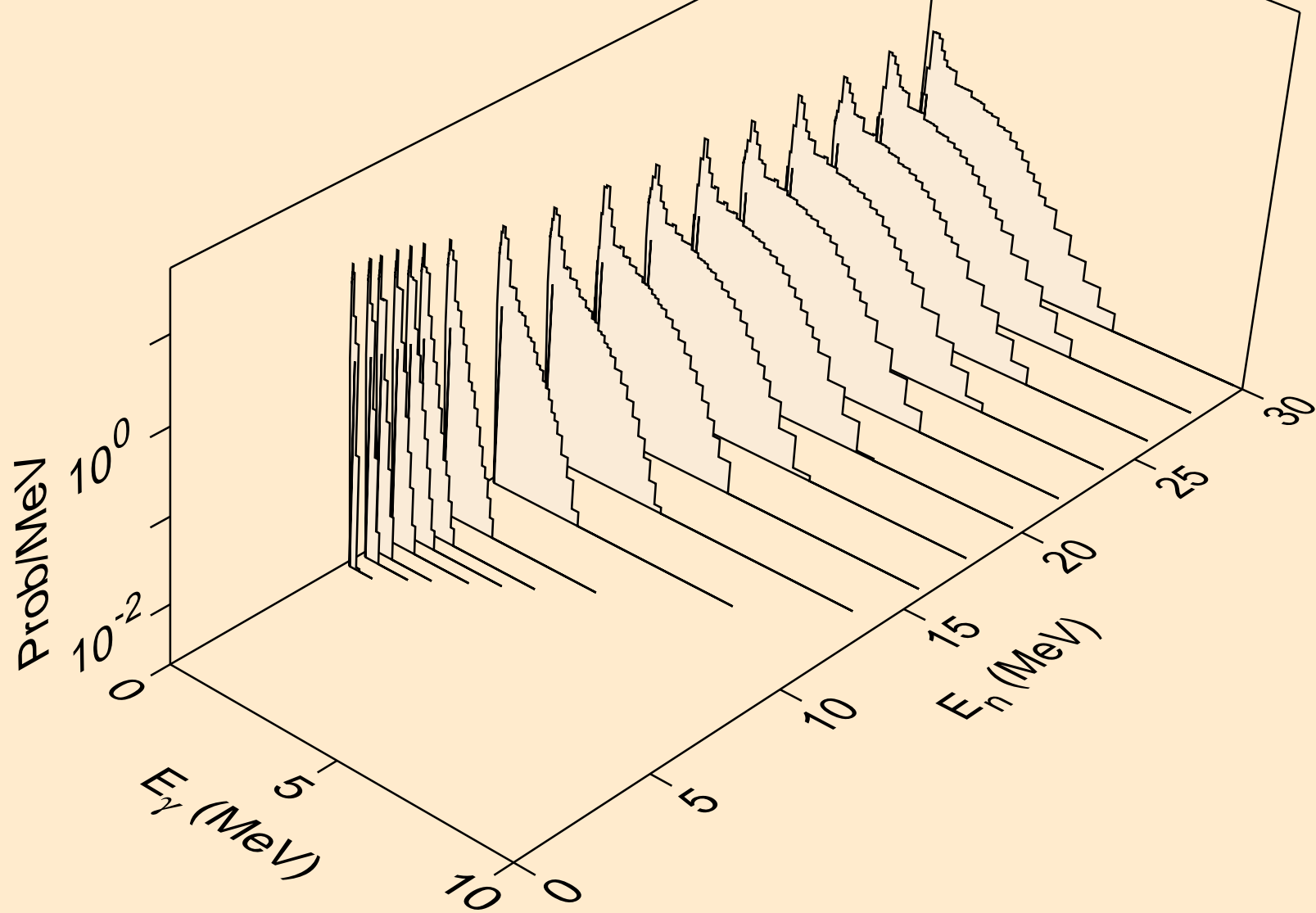
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

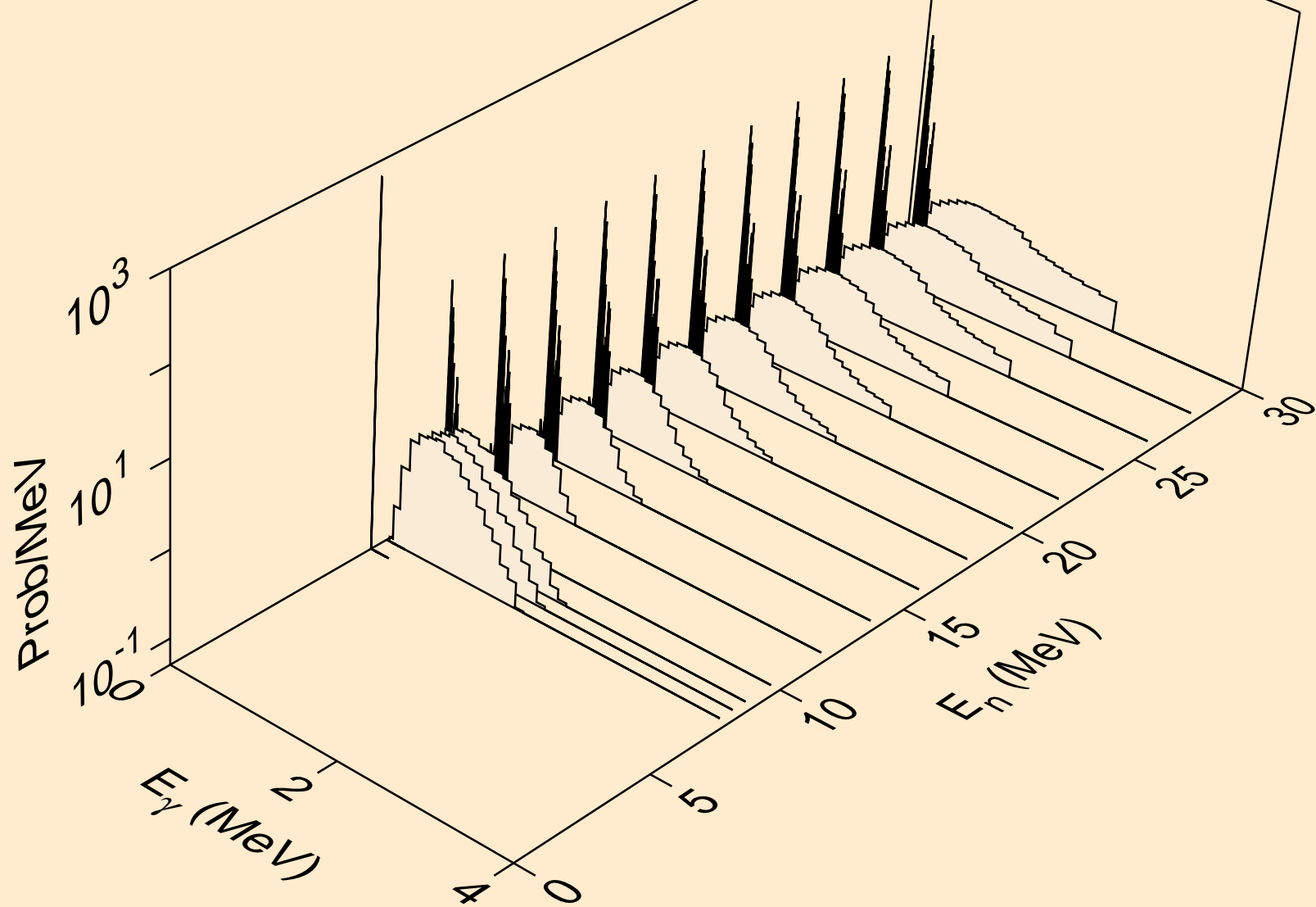


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

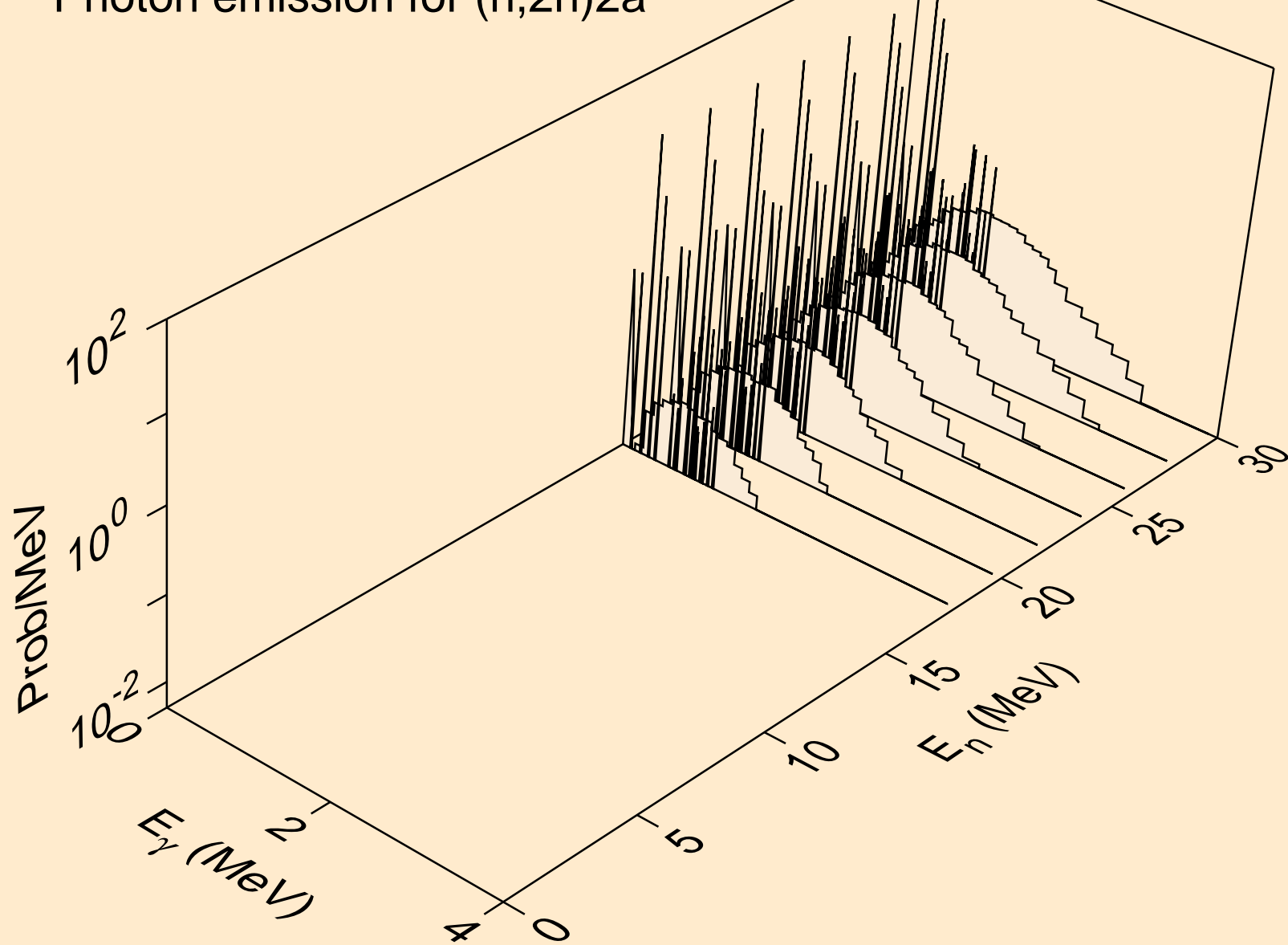




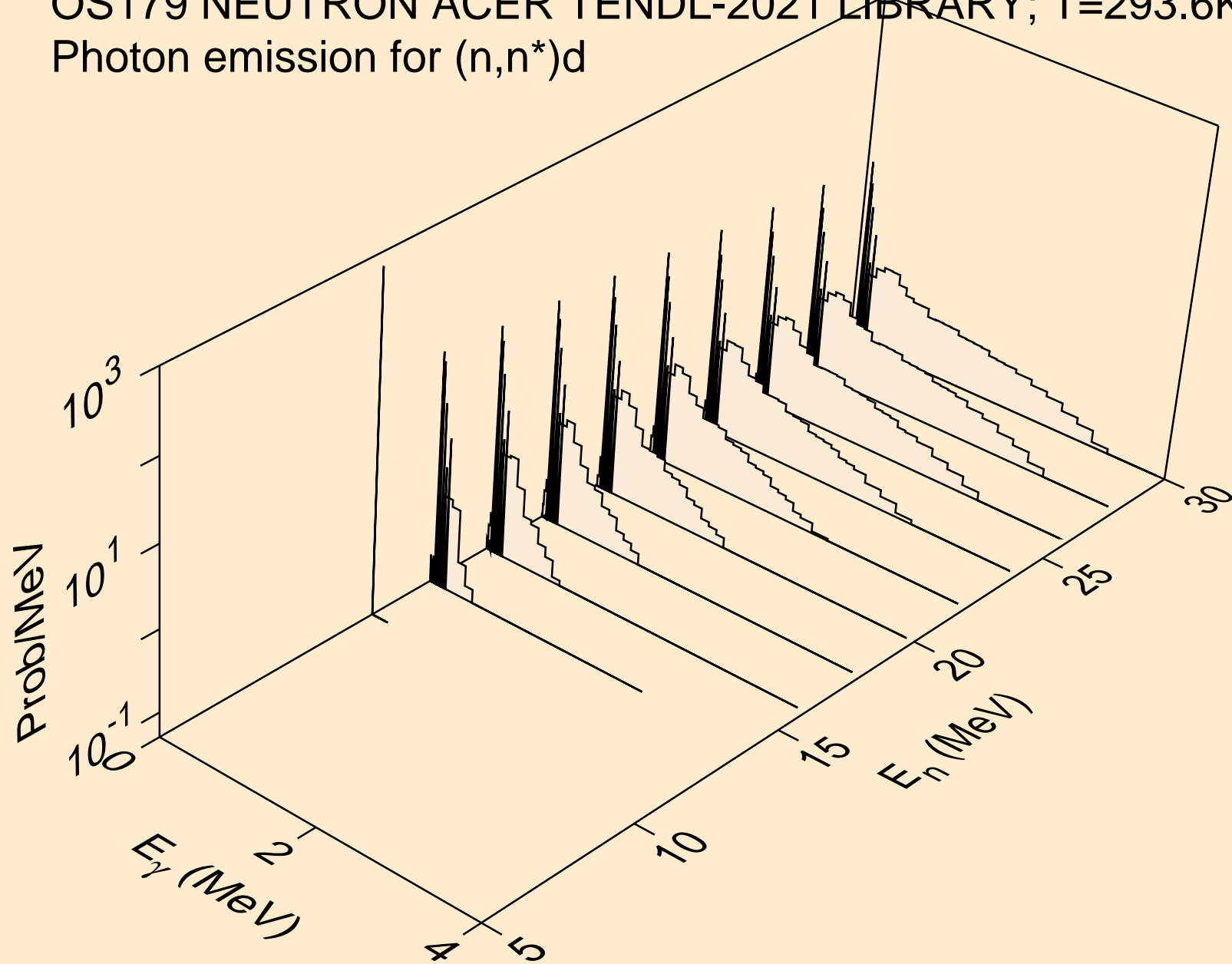
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Photon emission for (n,n\*)2a



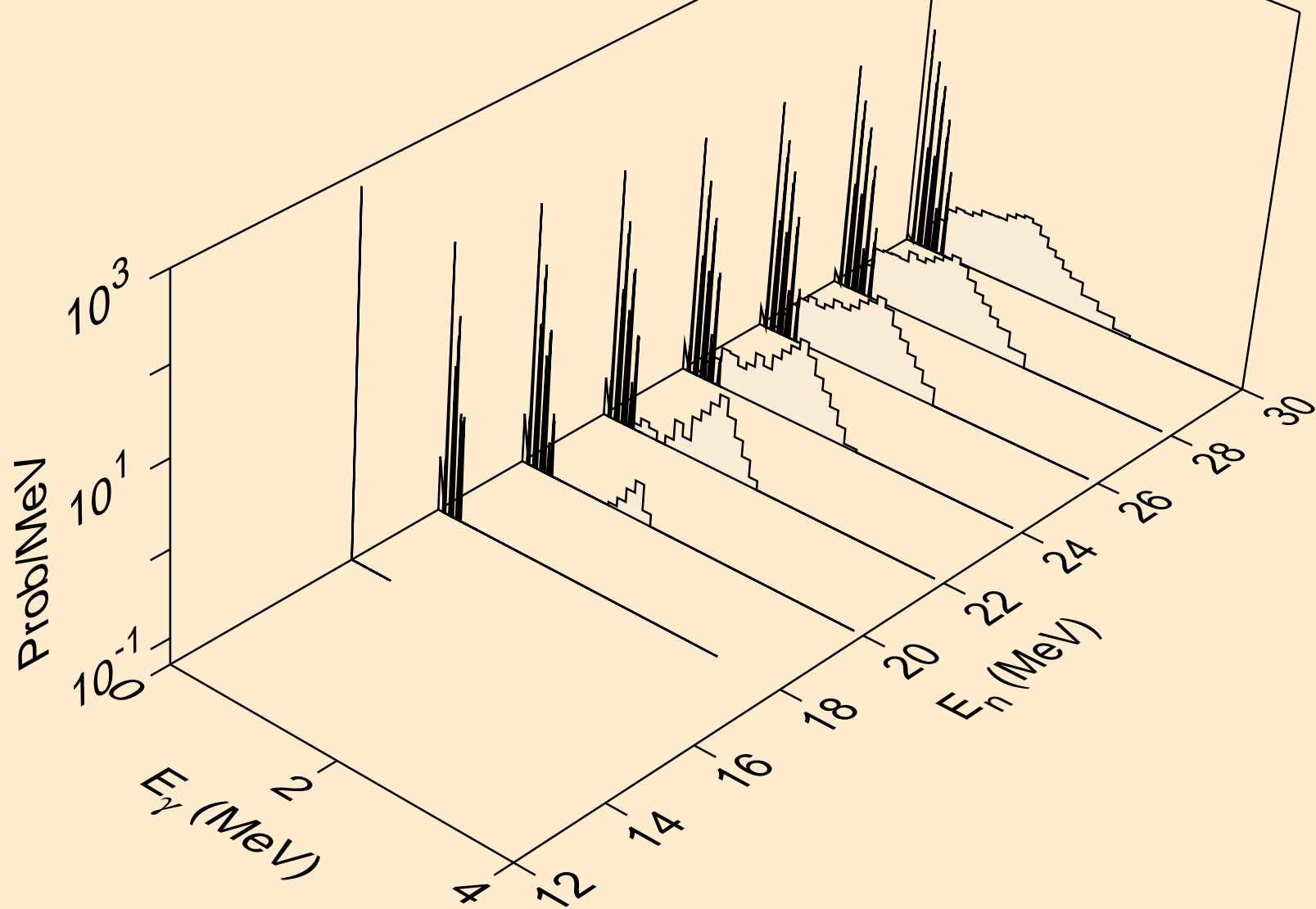
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Photon emission for (n,2n)2a



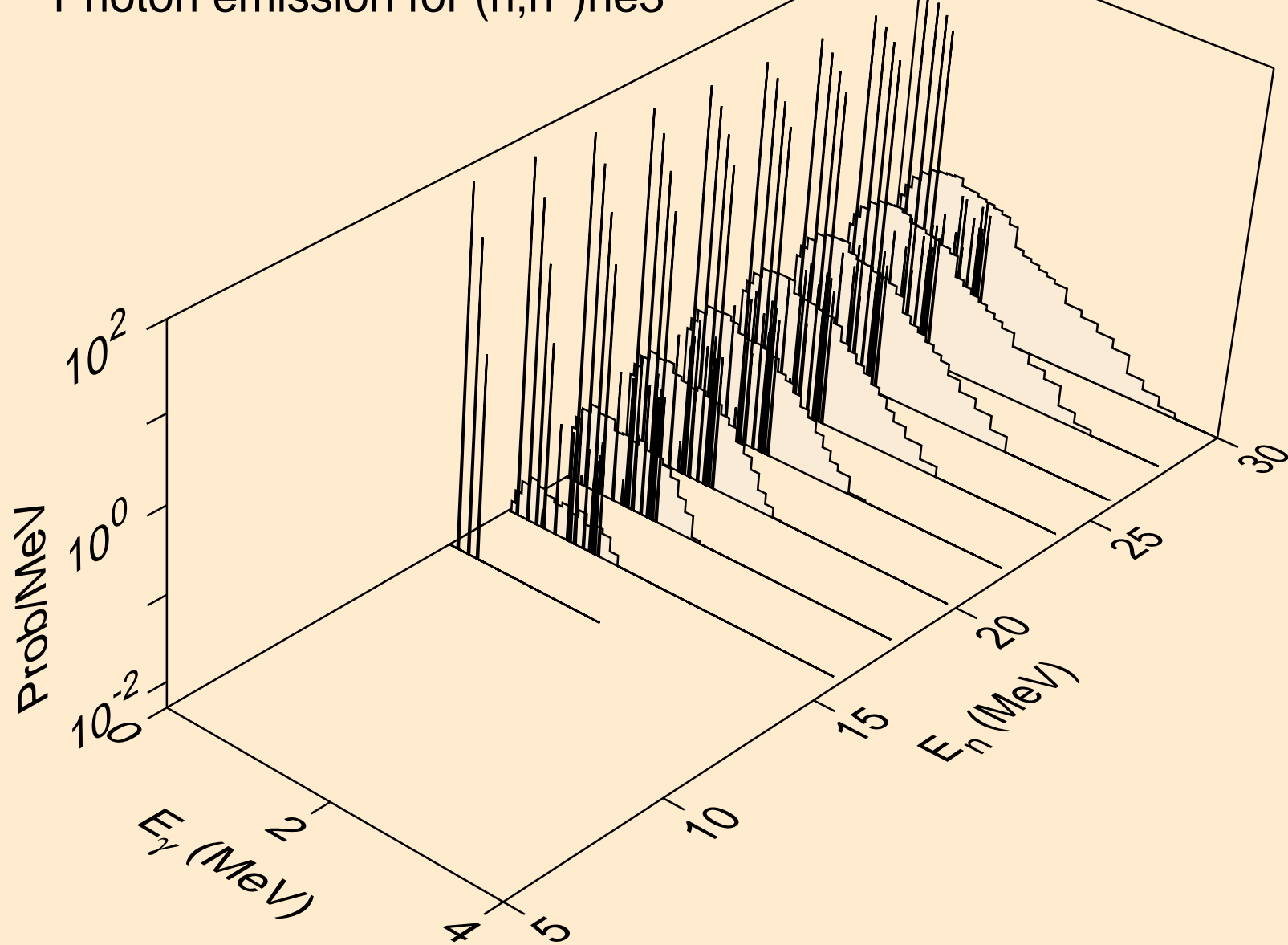
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Photon emission for (n,n\*)d



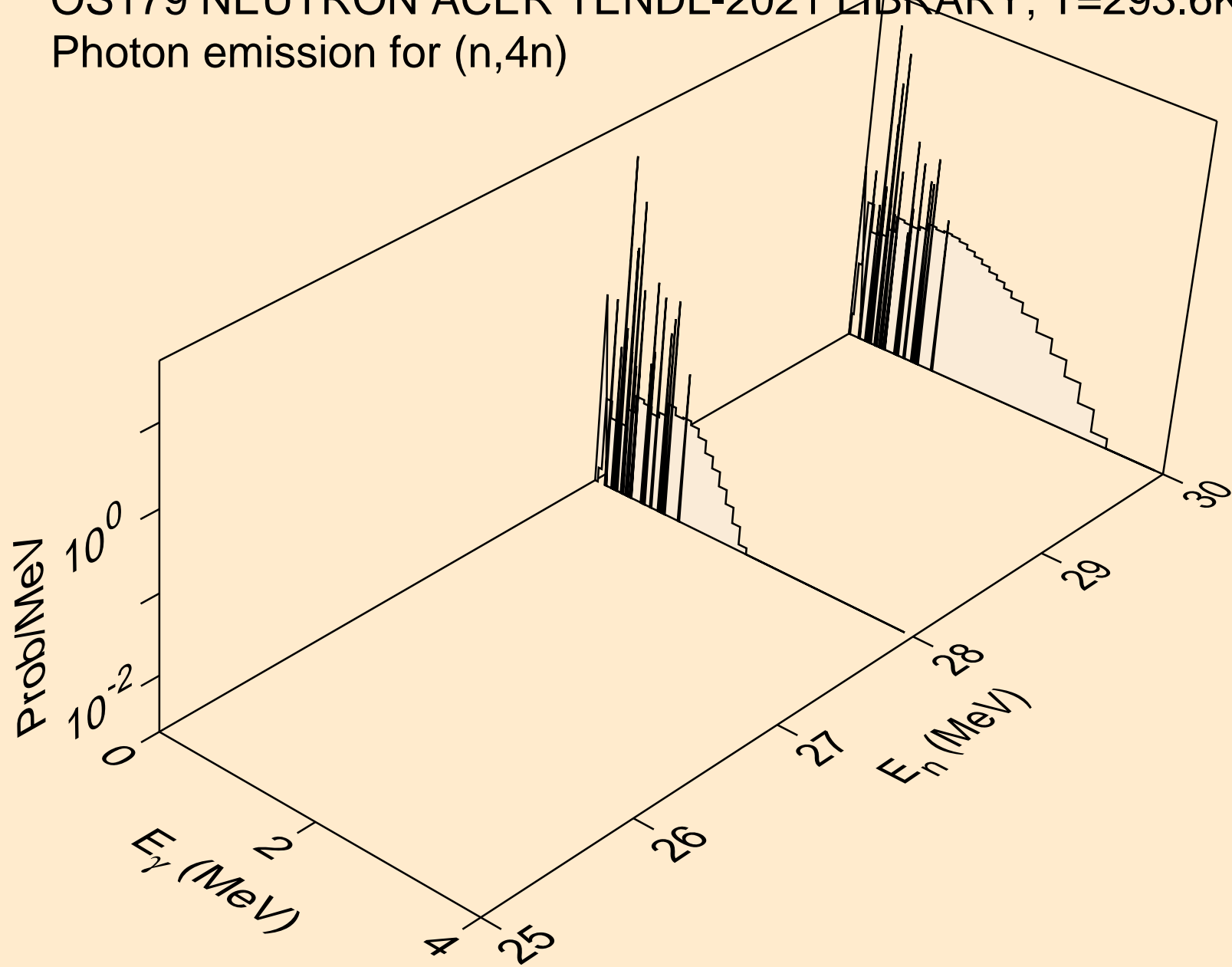
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



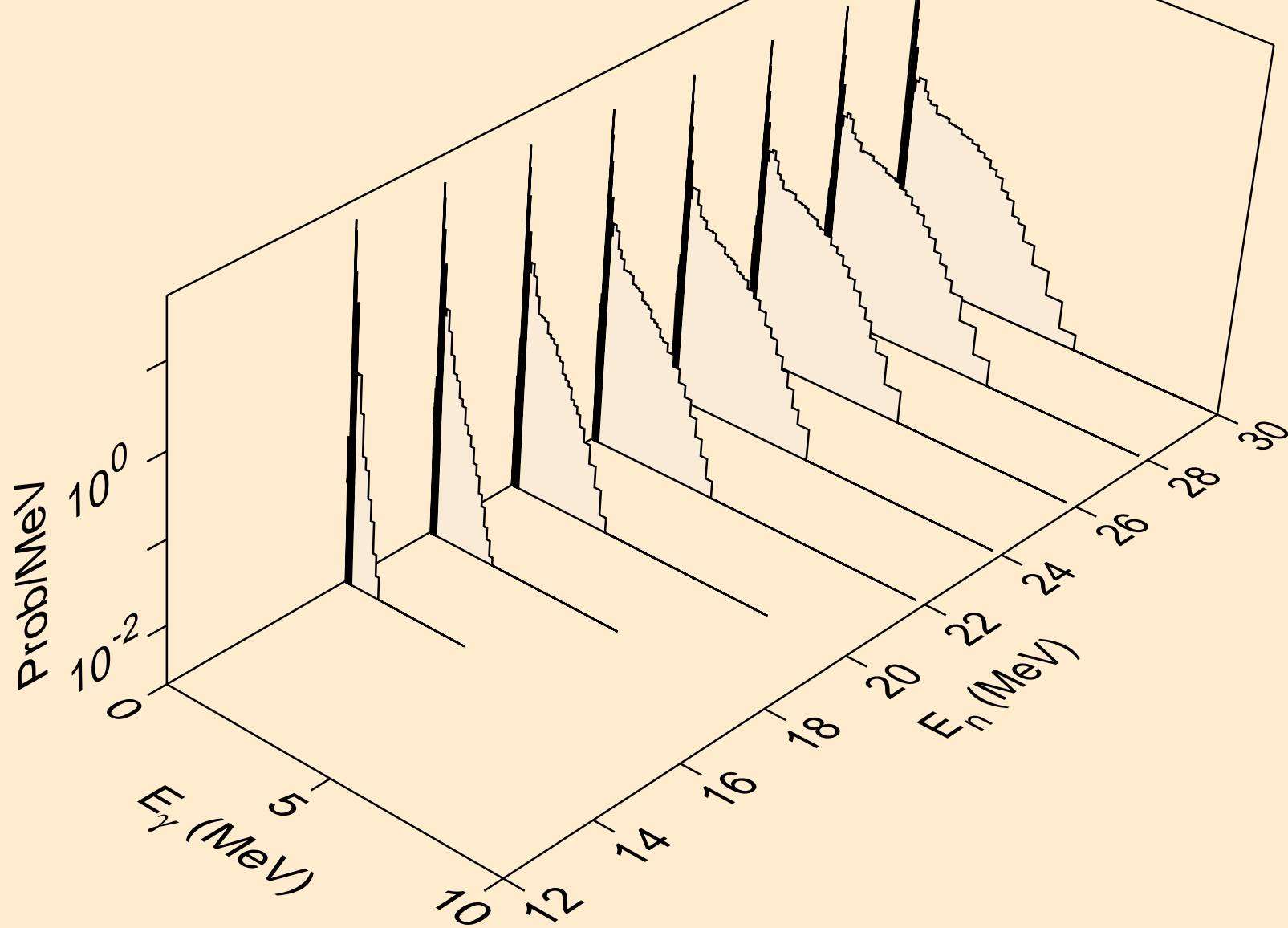
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



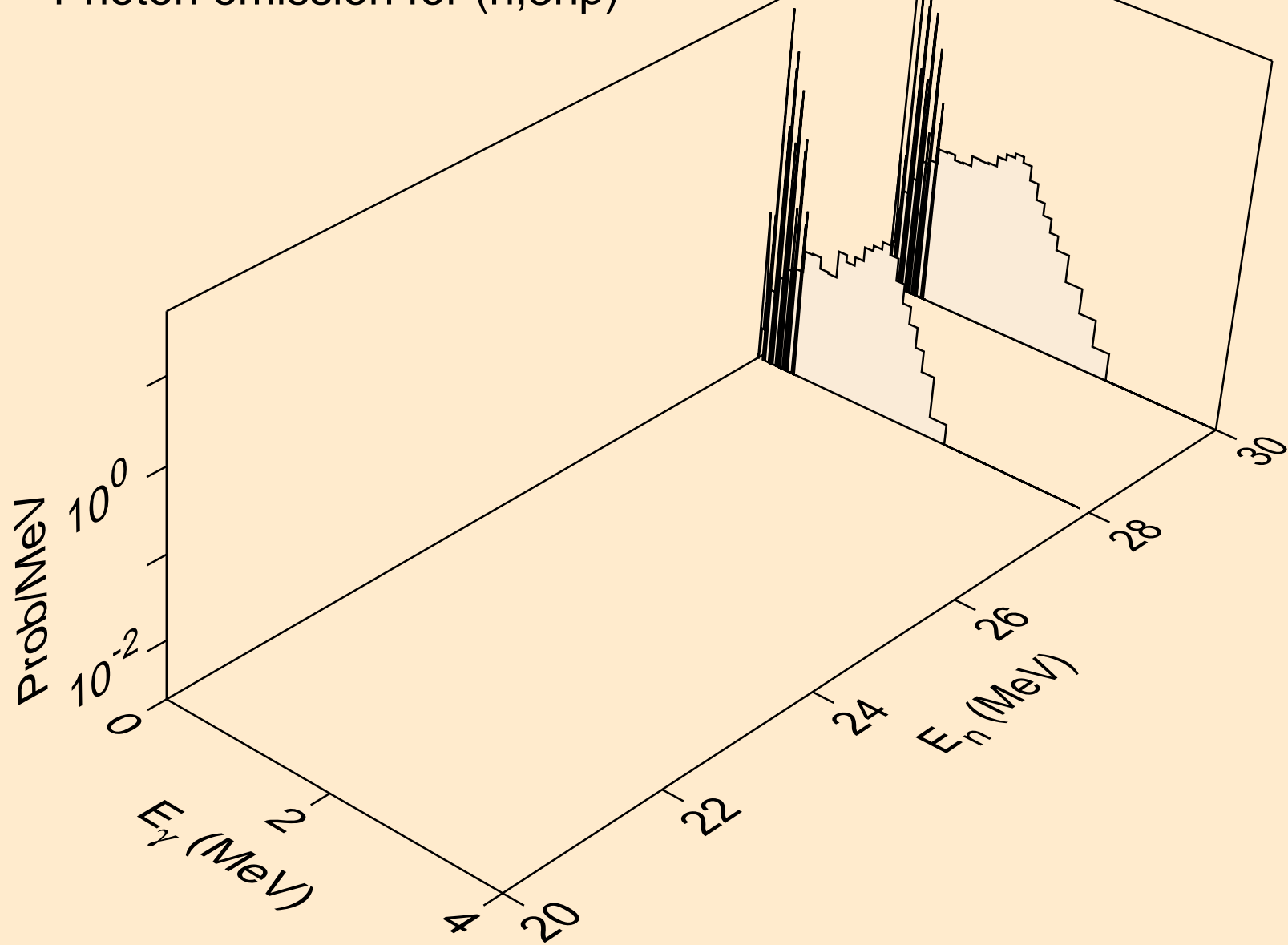
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

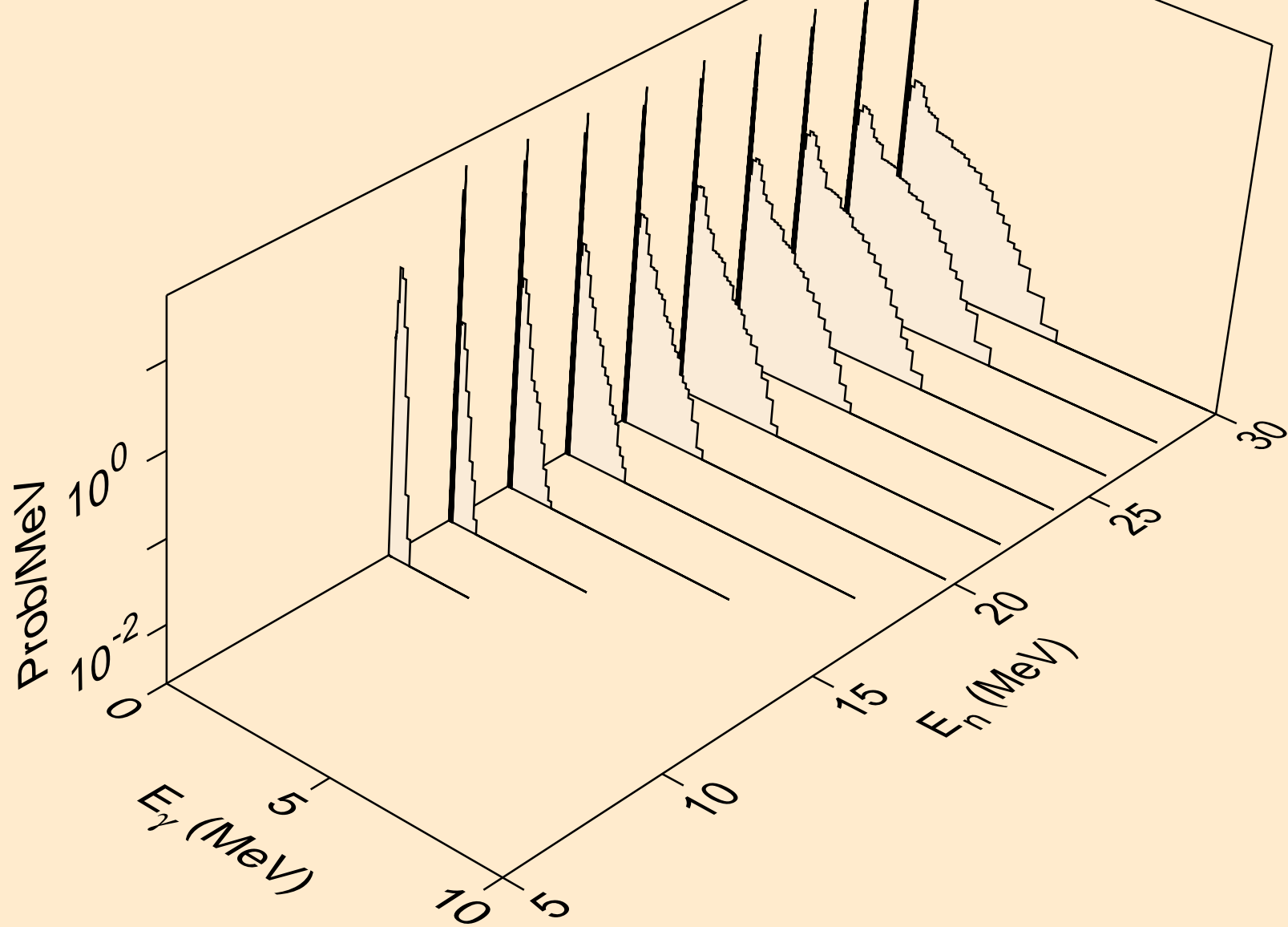


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Photon emission for (n,3np)

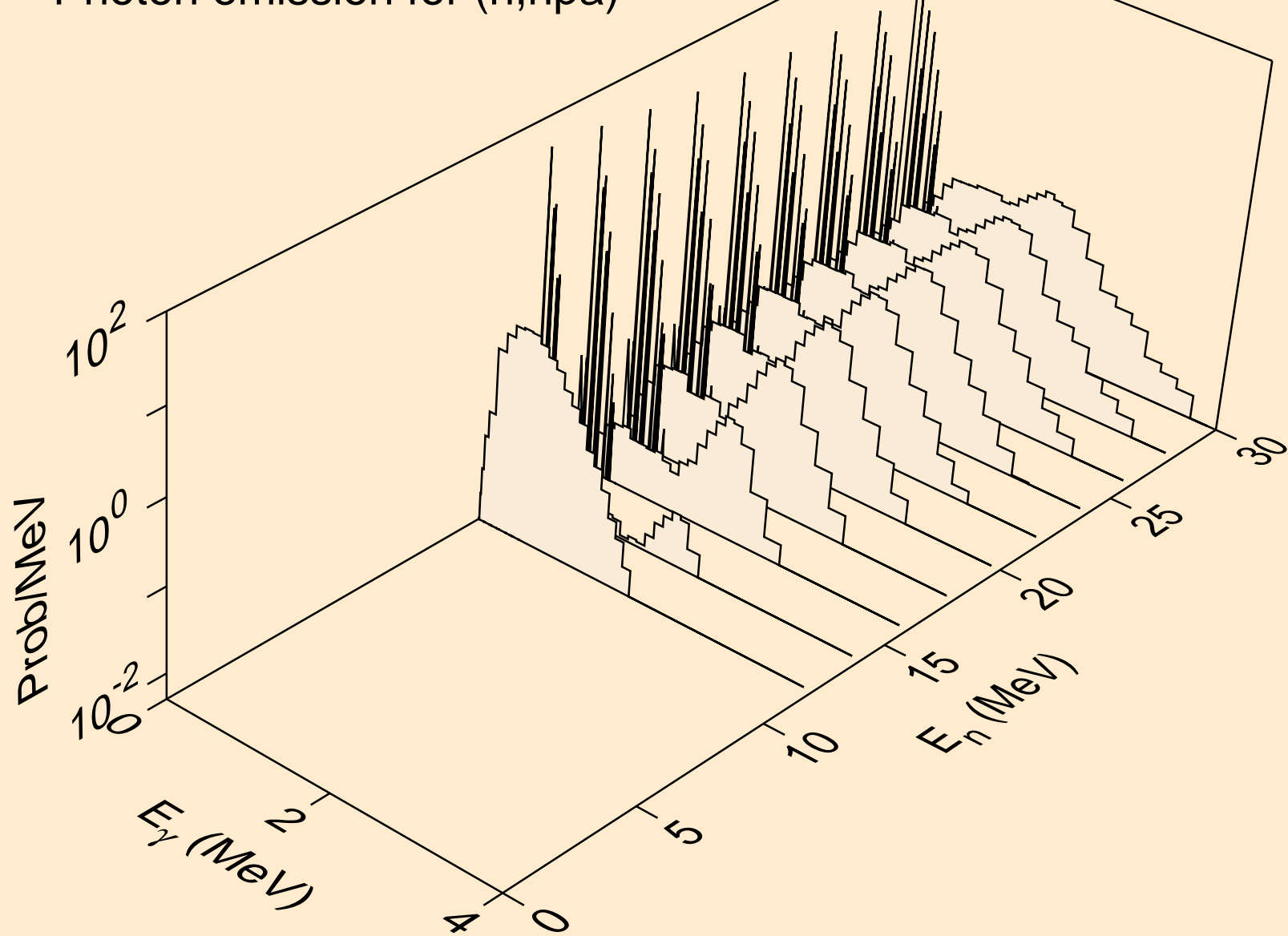




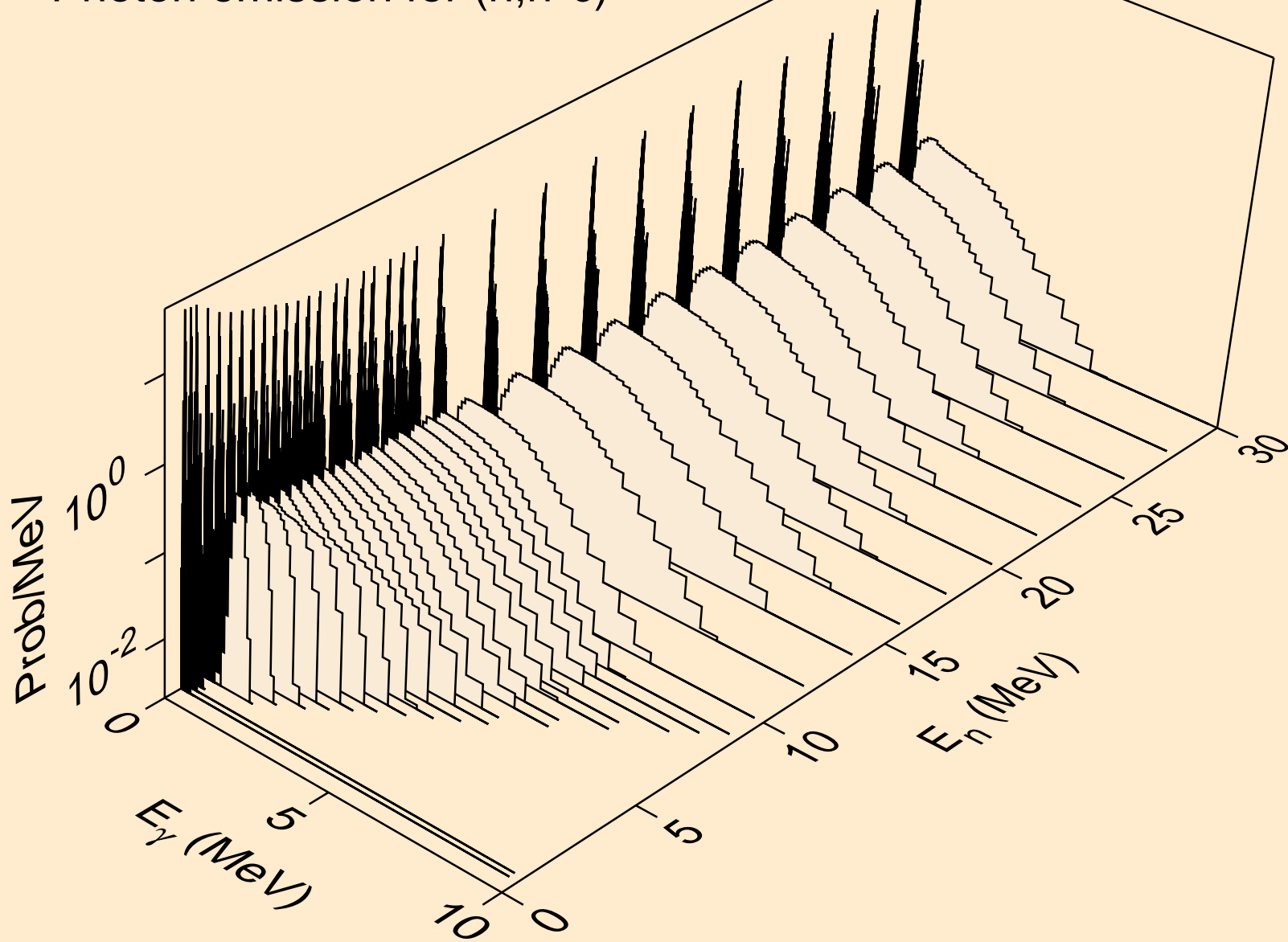
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Photon emission for (n,2np)



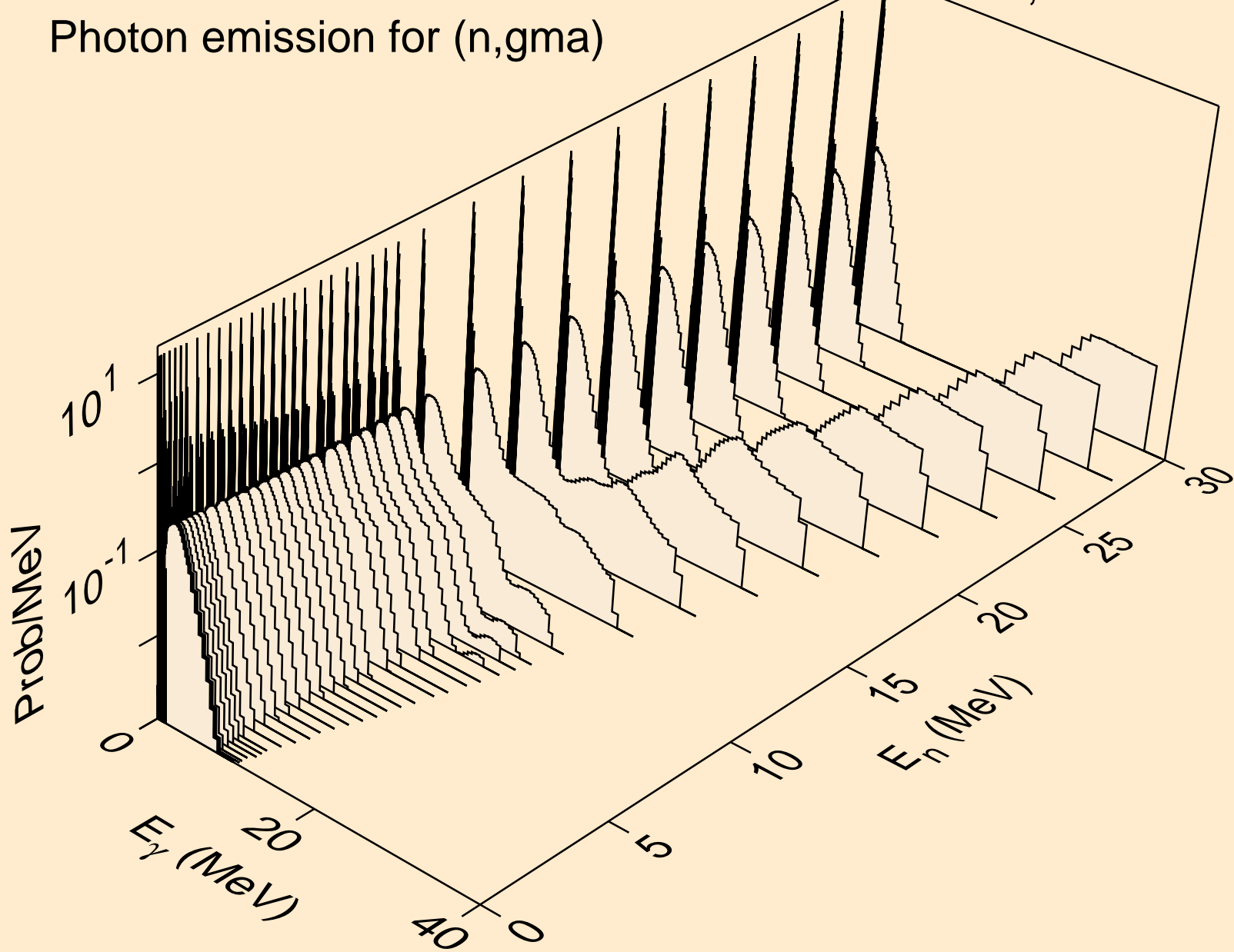
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Photon emission for (n,npa)



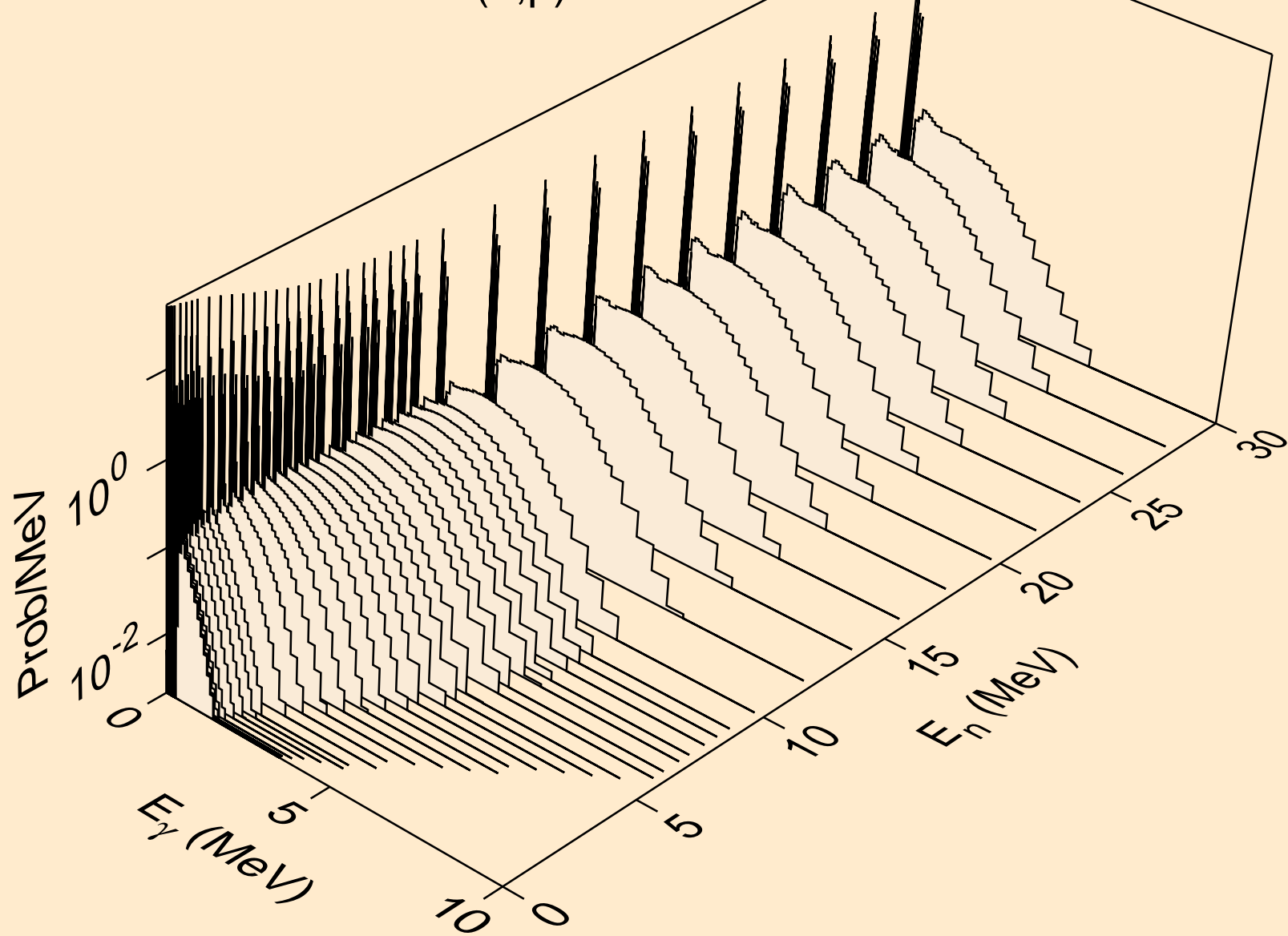
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Photon emission for (n,n\*c)



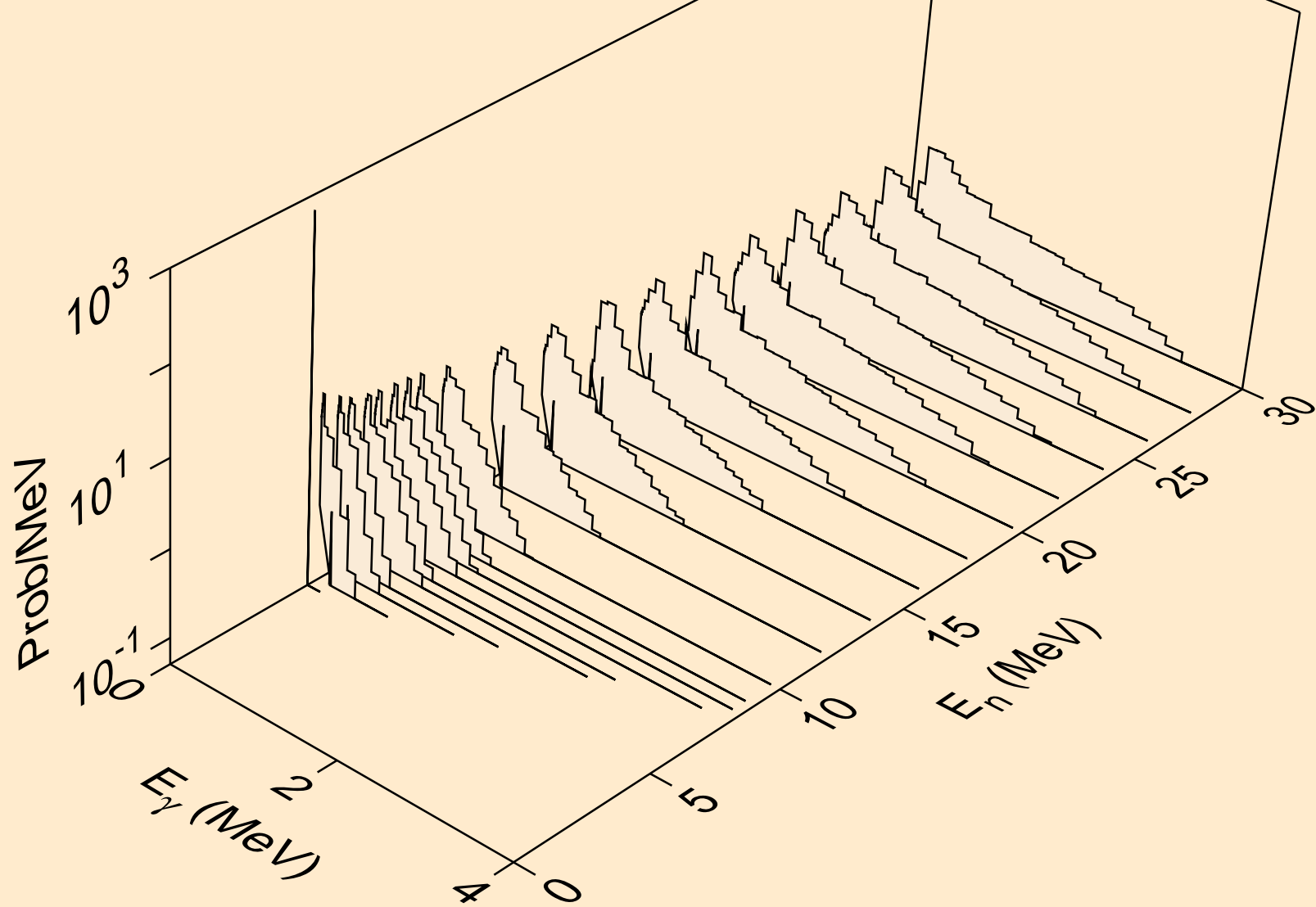
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Photon emission for (n,gma)



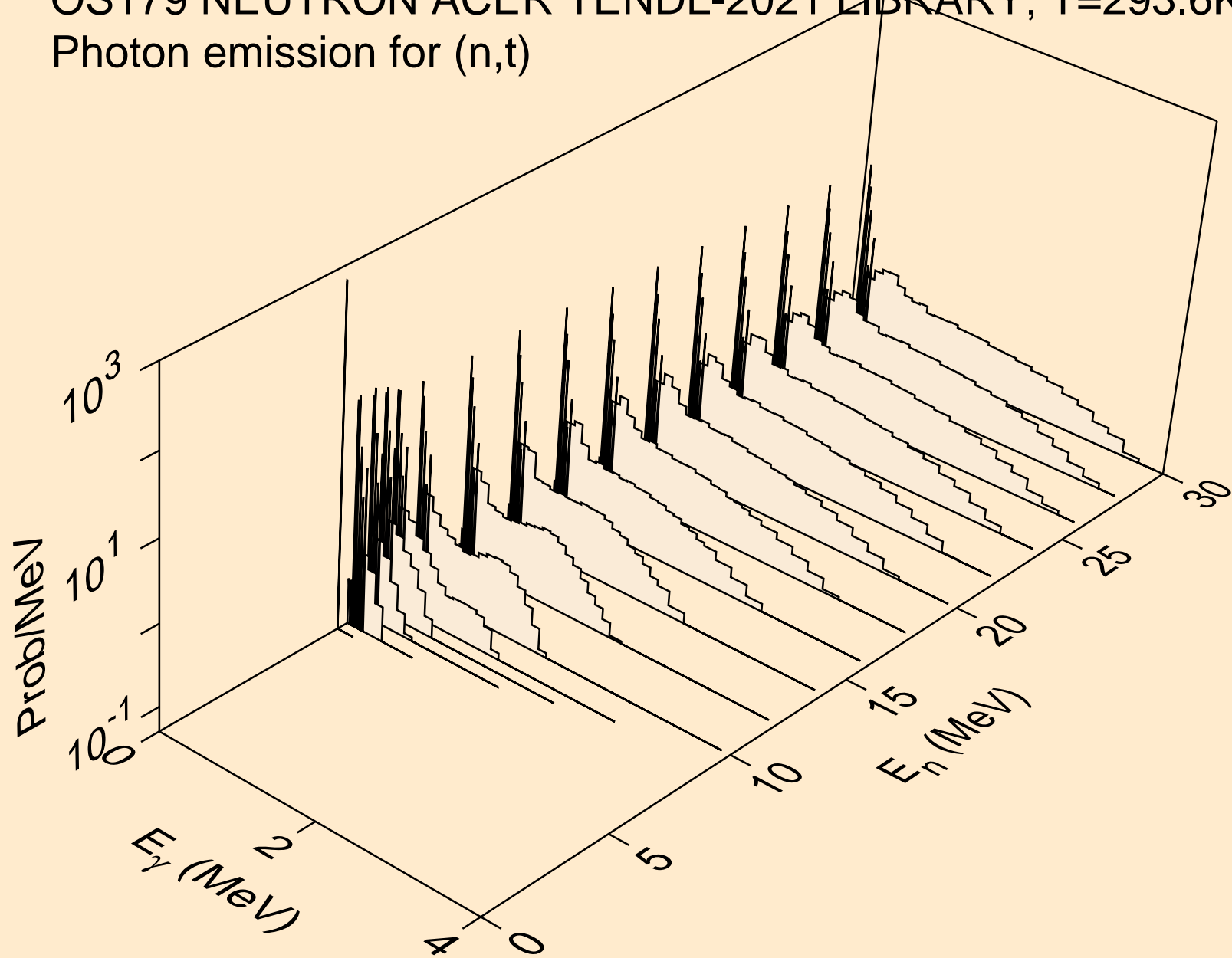
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Photon emission for (n,p)



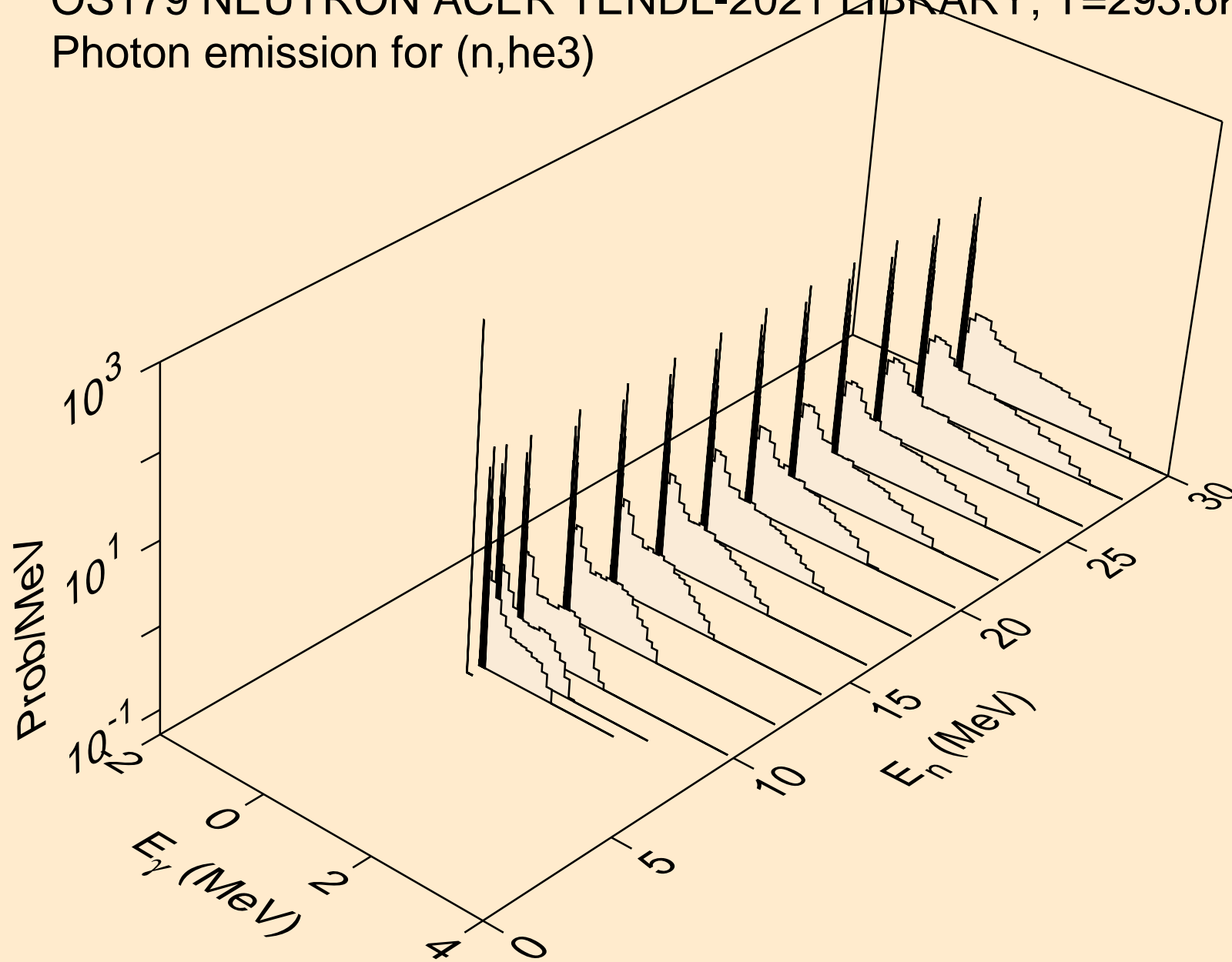
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

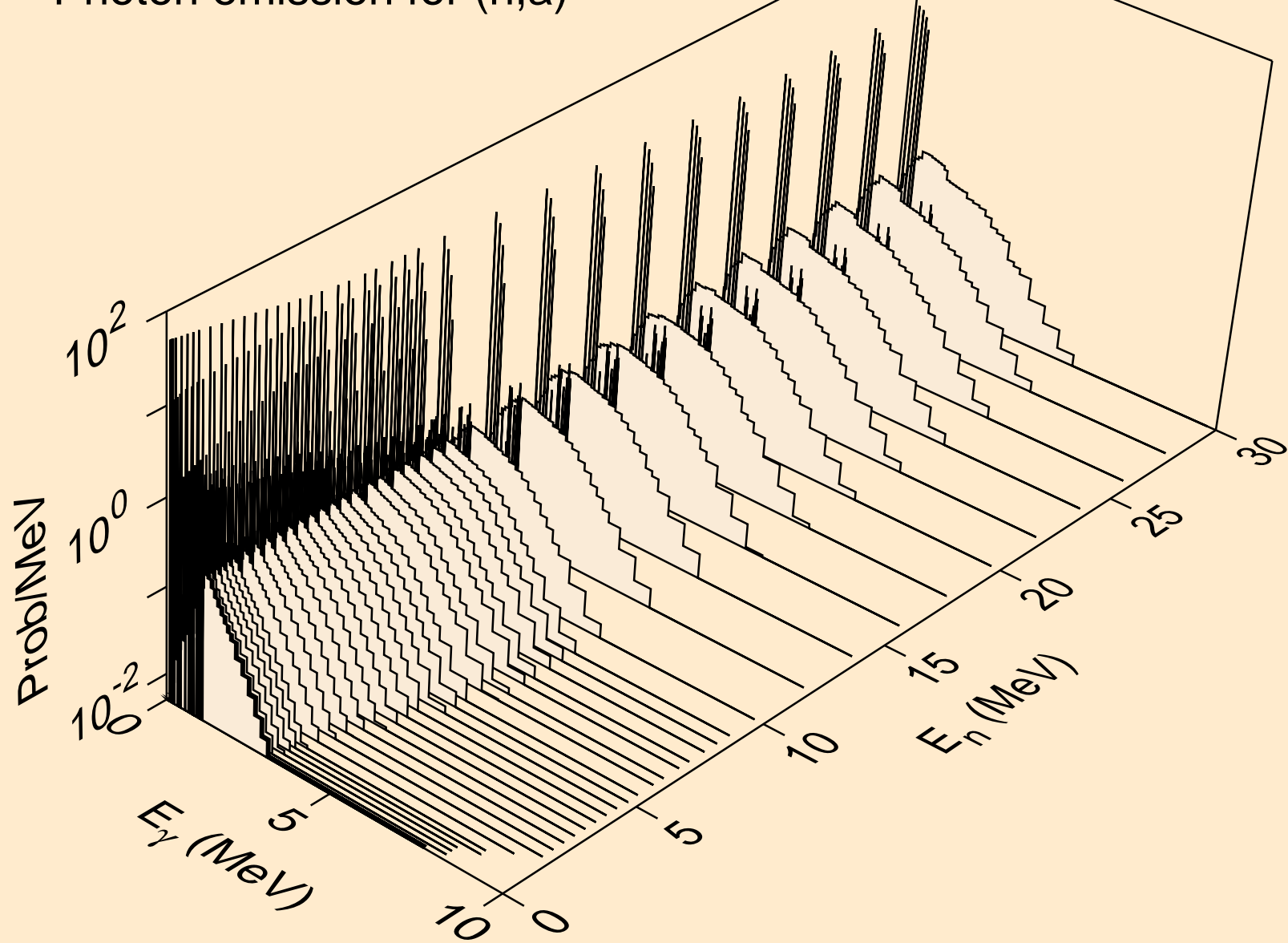


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Photon emission for (n,he3)

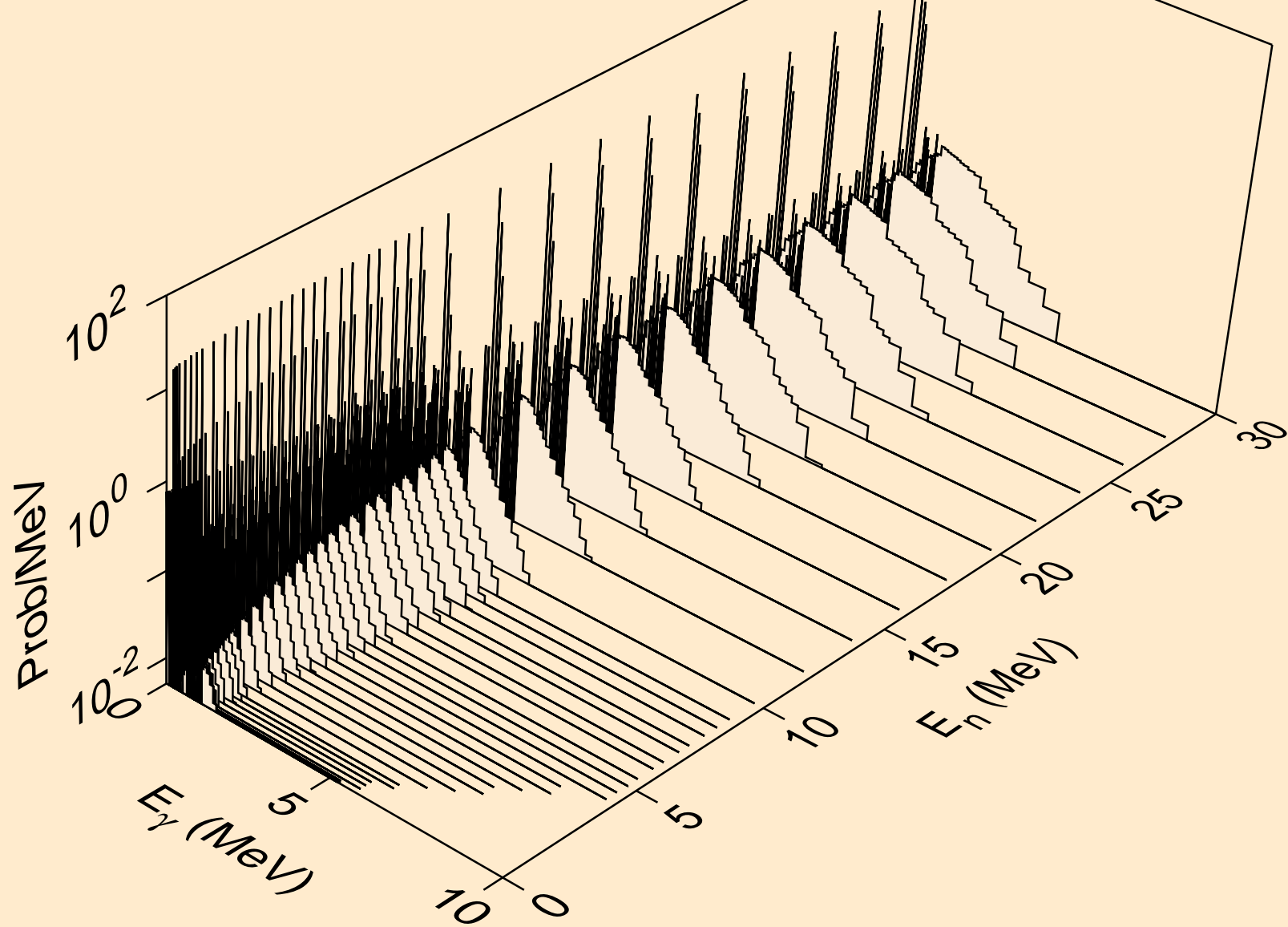




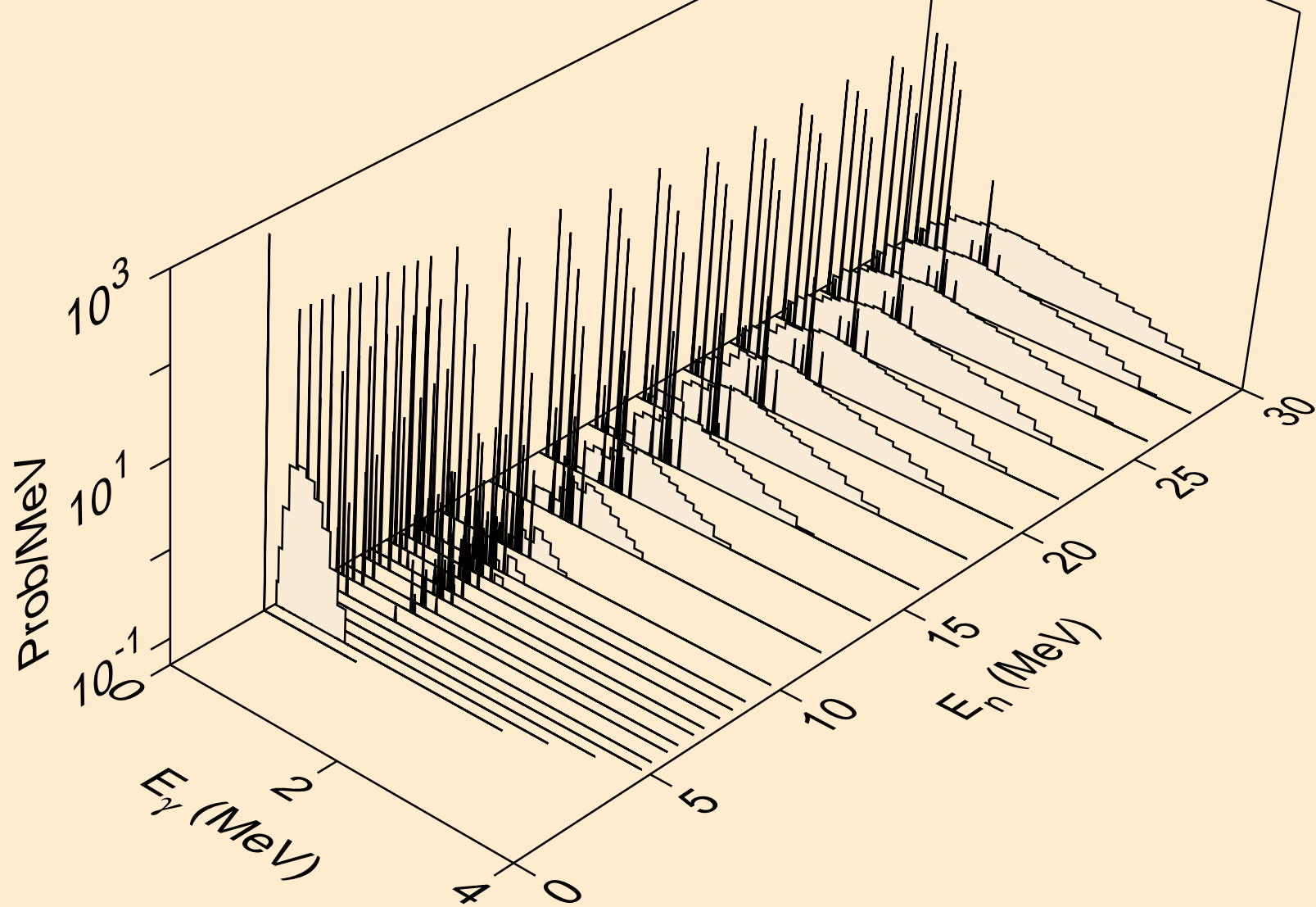
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Photon emission for (n,a)



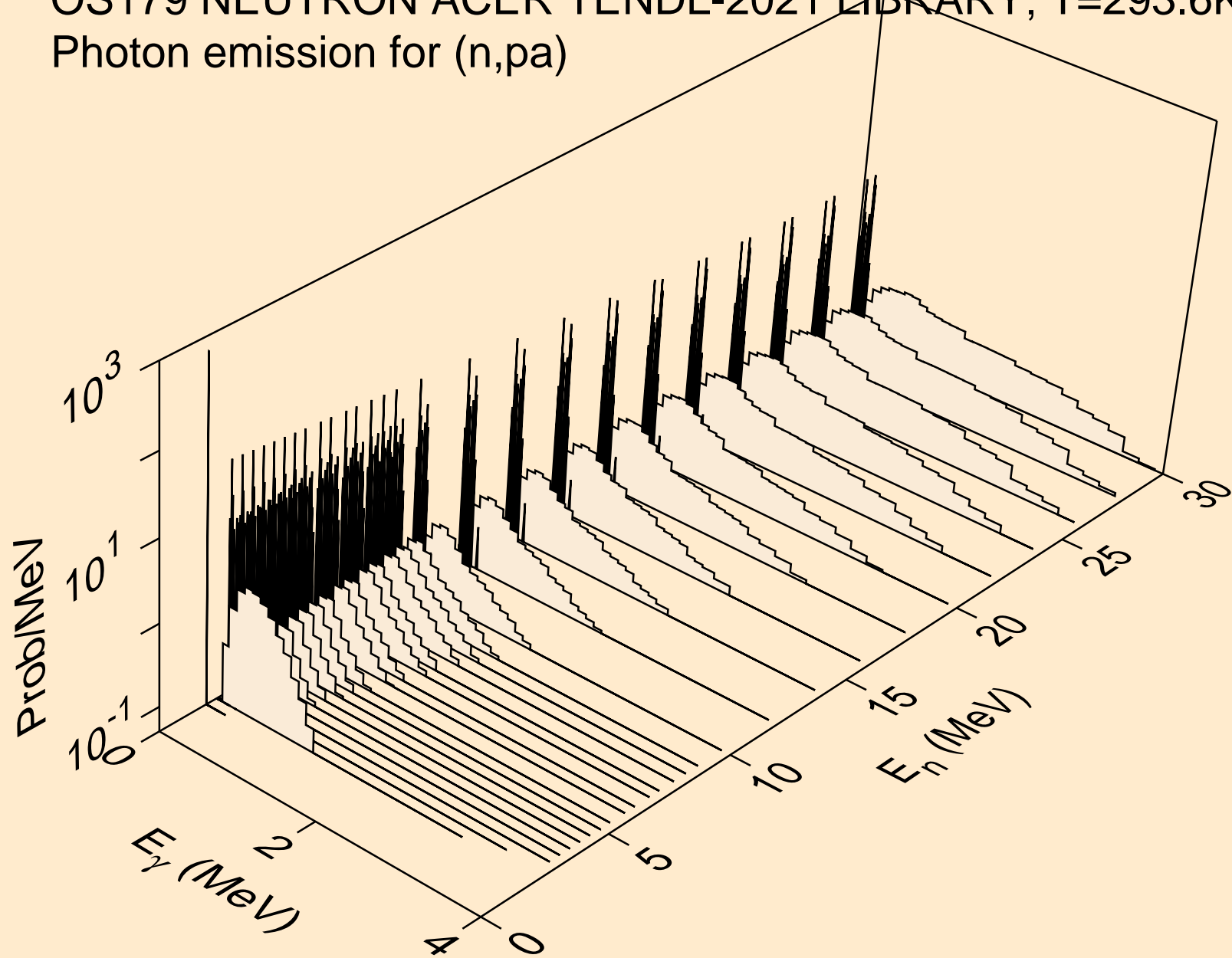
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Photon emission for (n,2a)



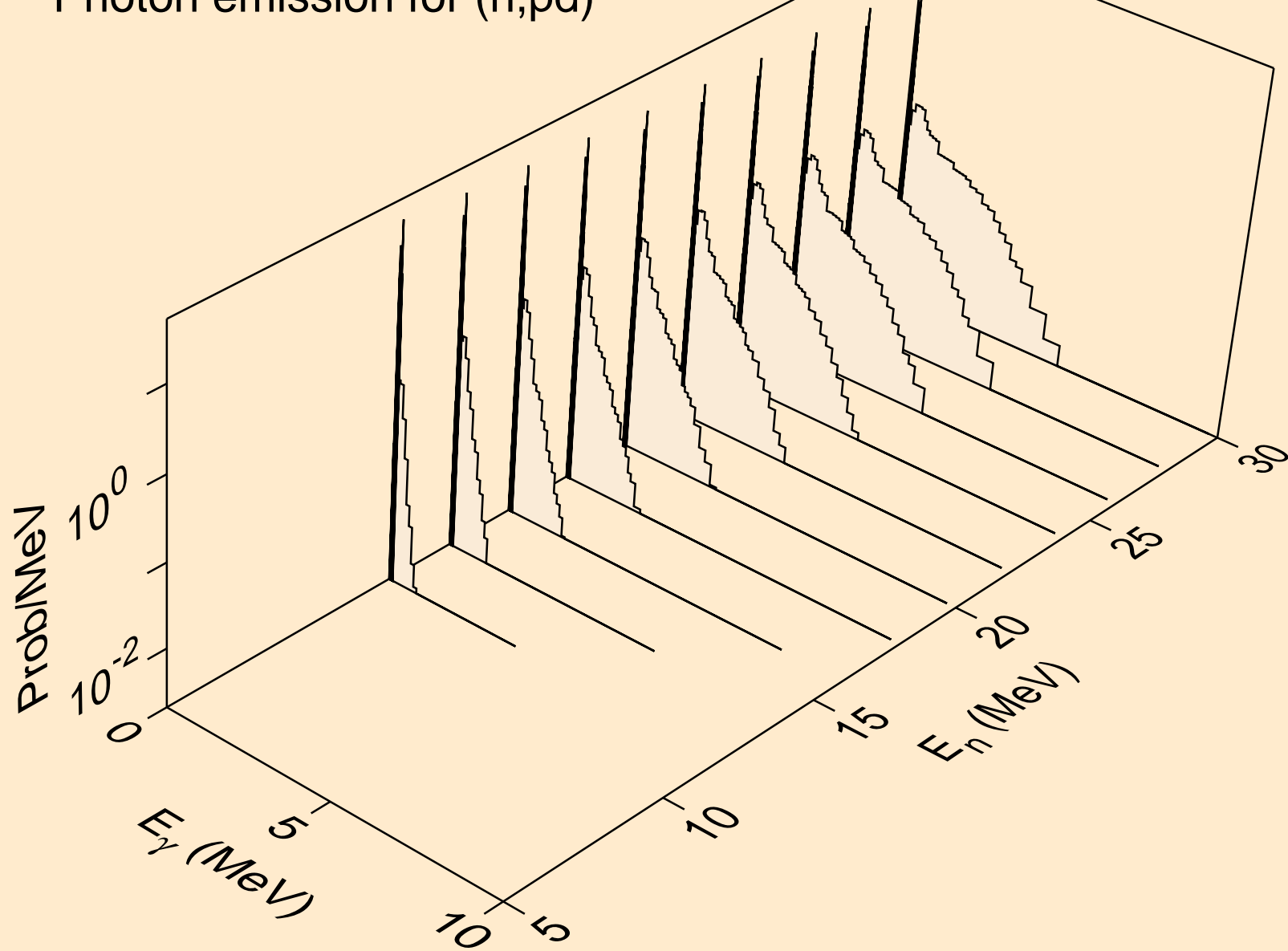
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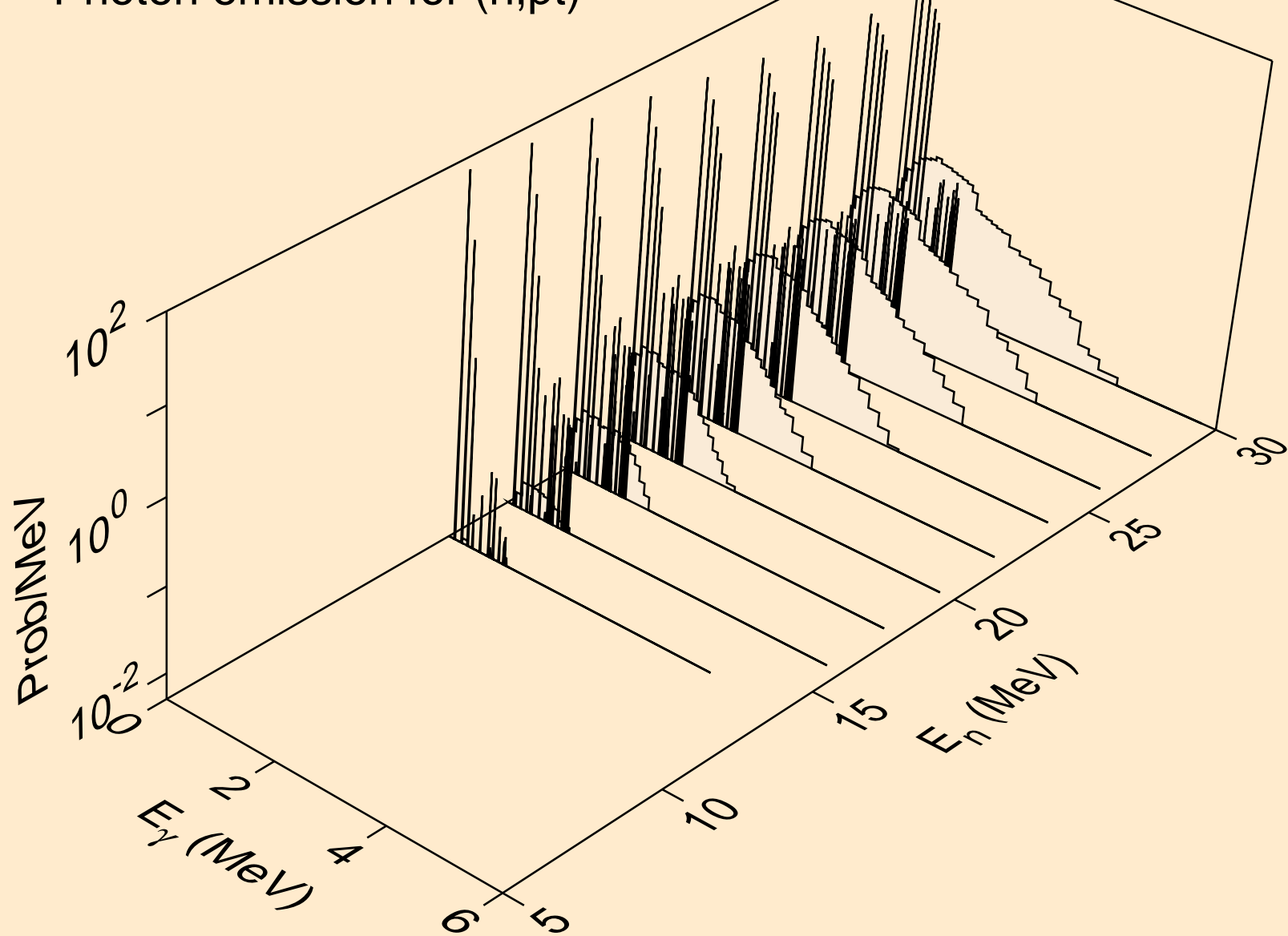
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Photon emission for (n,p $\alpha$ )



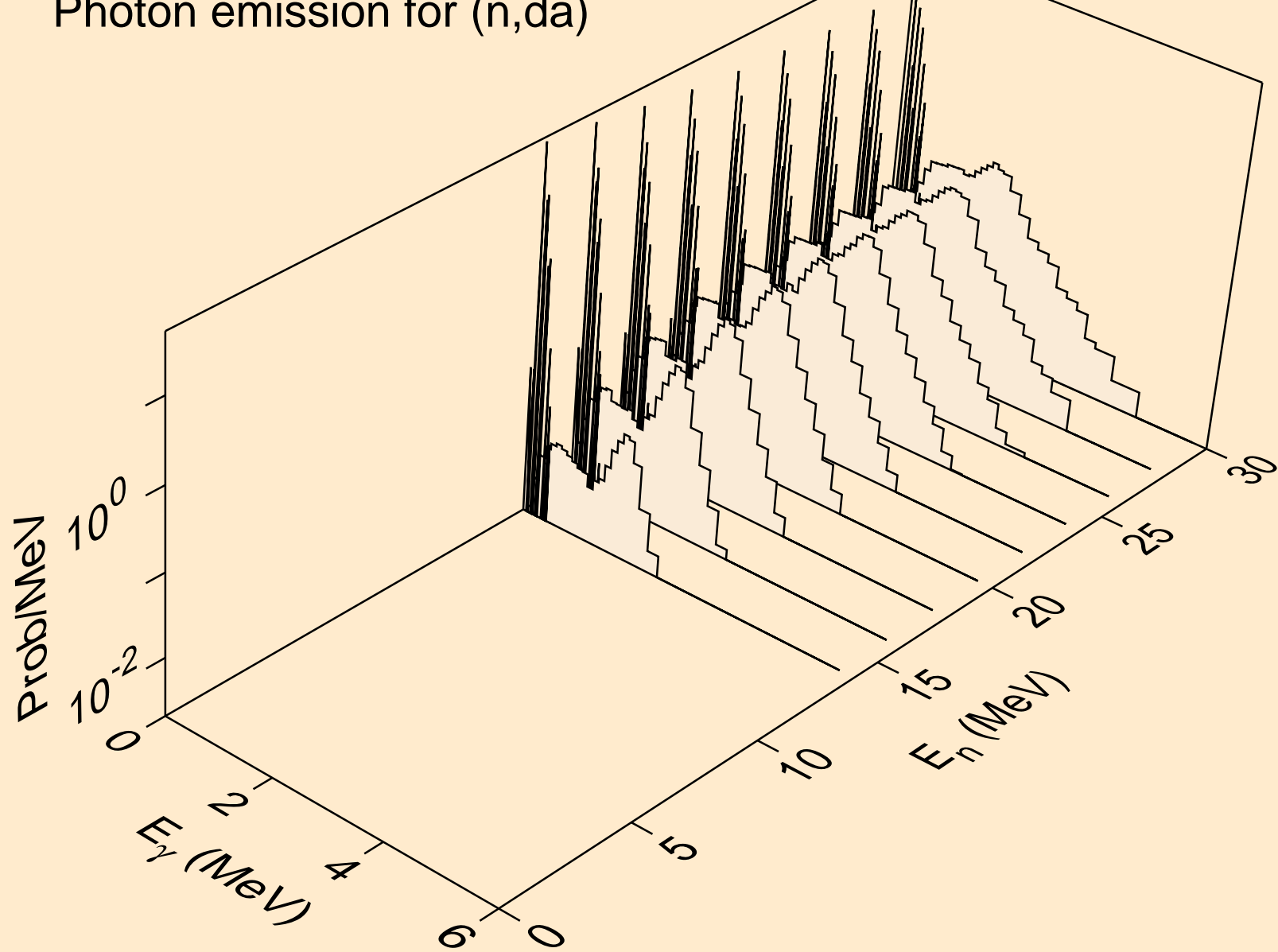
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Photon emission for (n,pd)



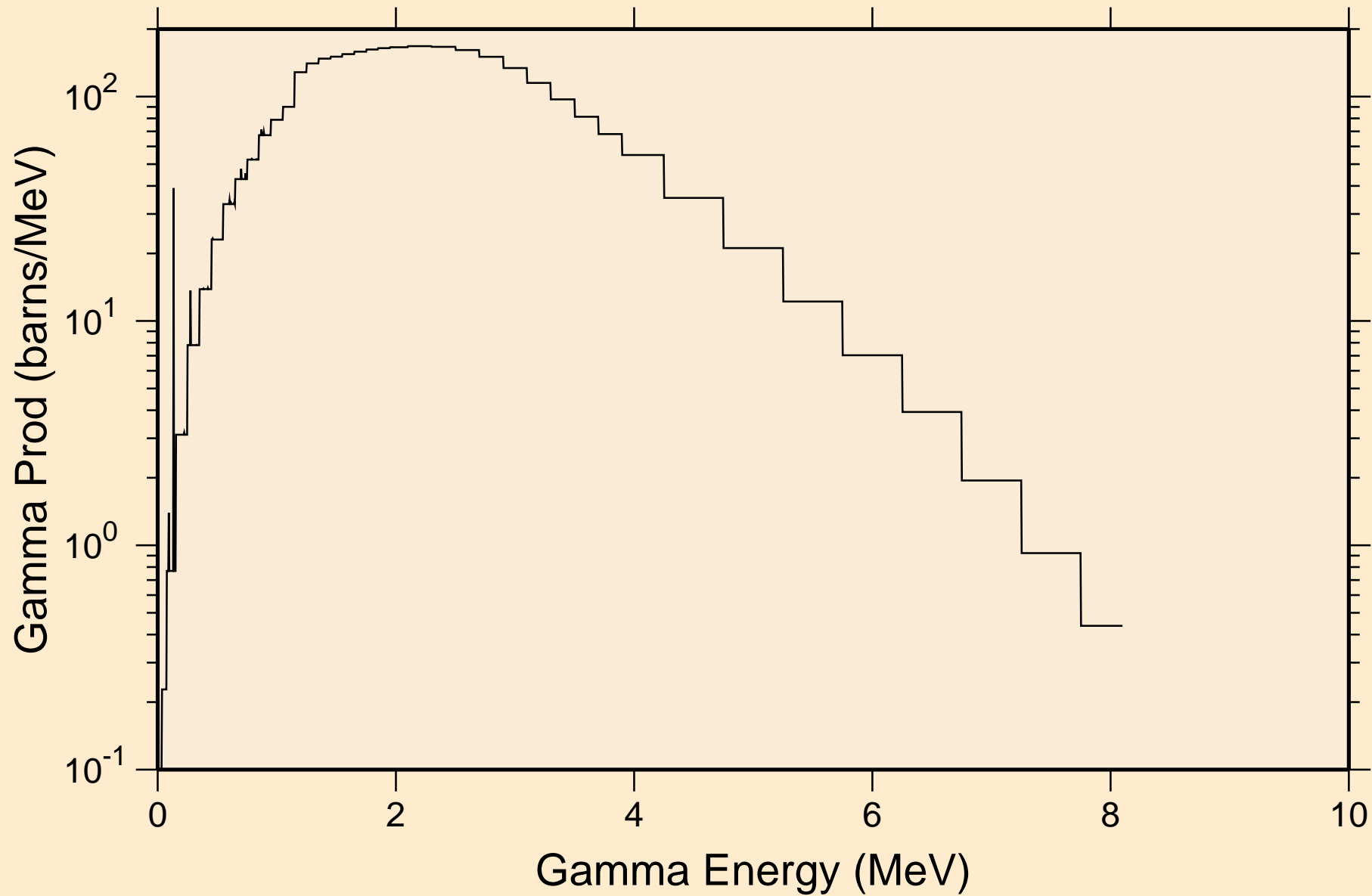
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

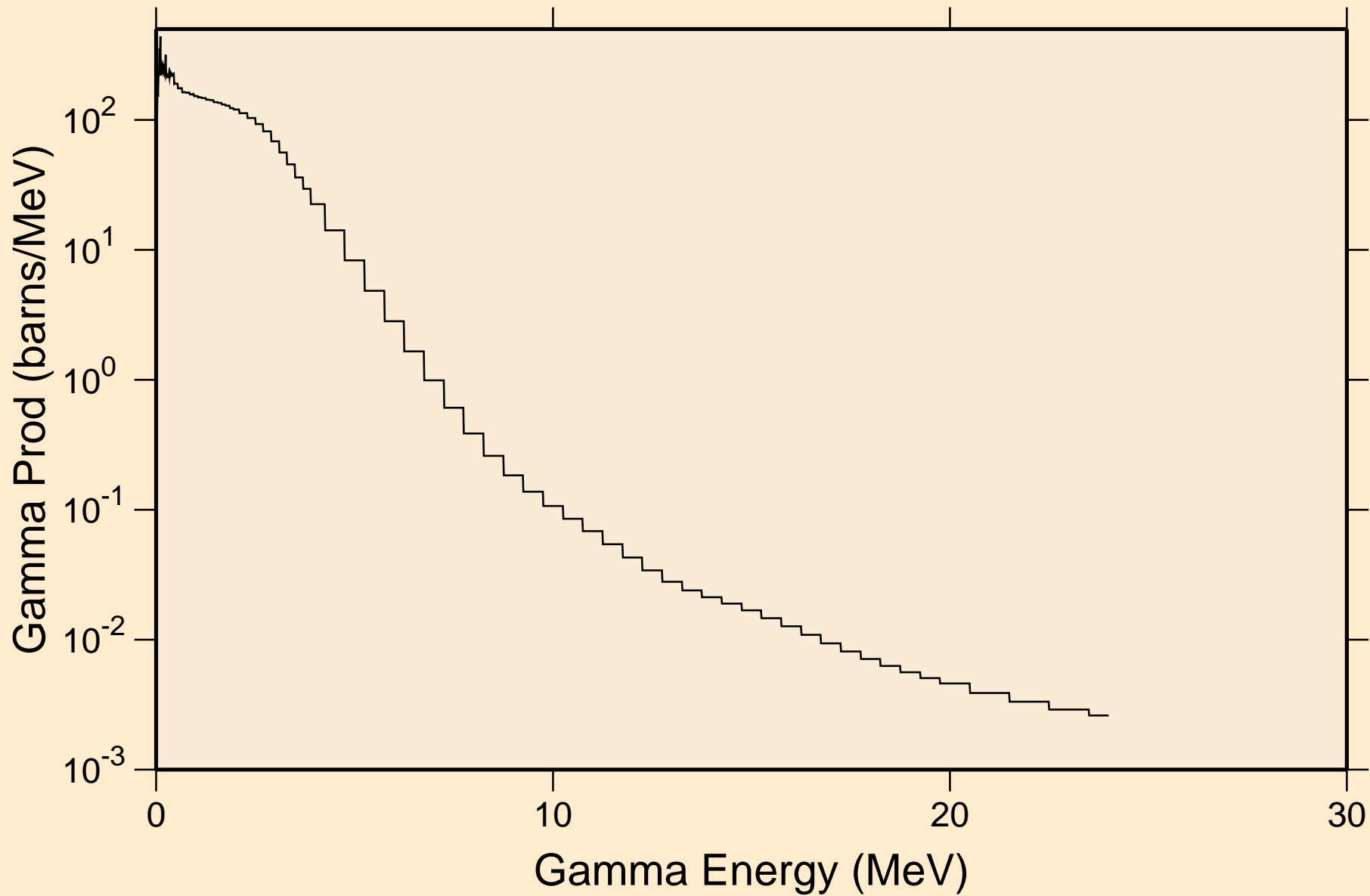


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



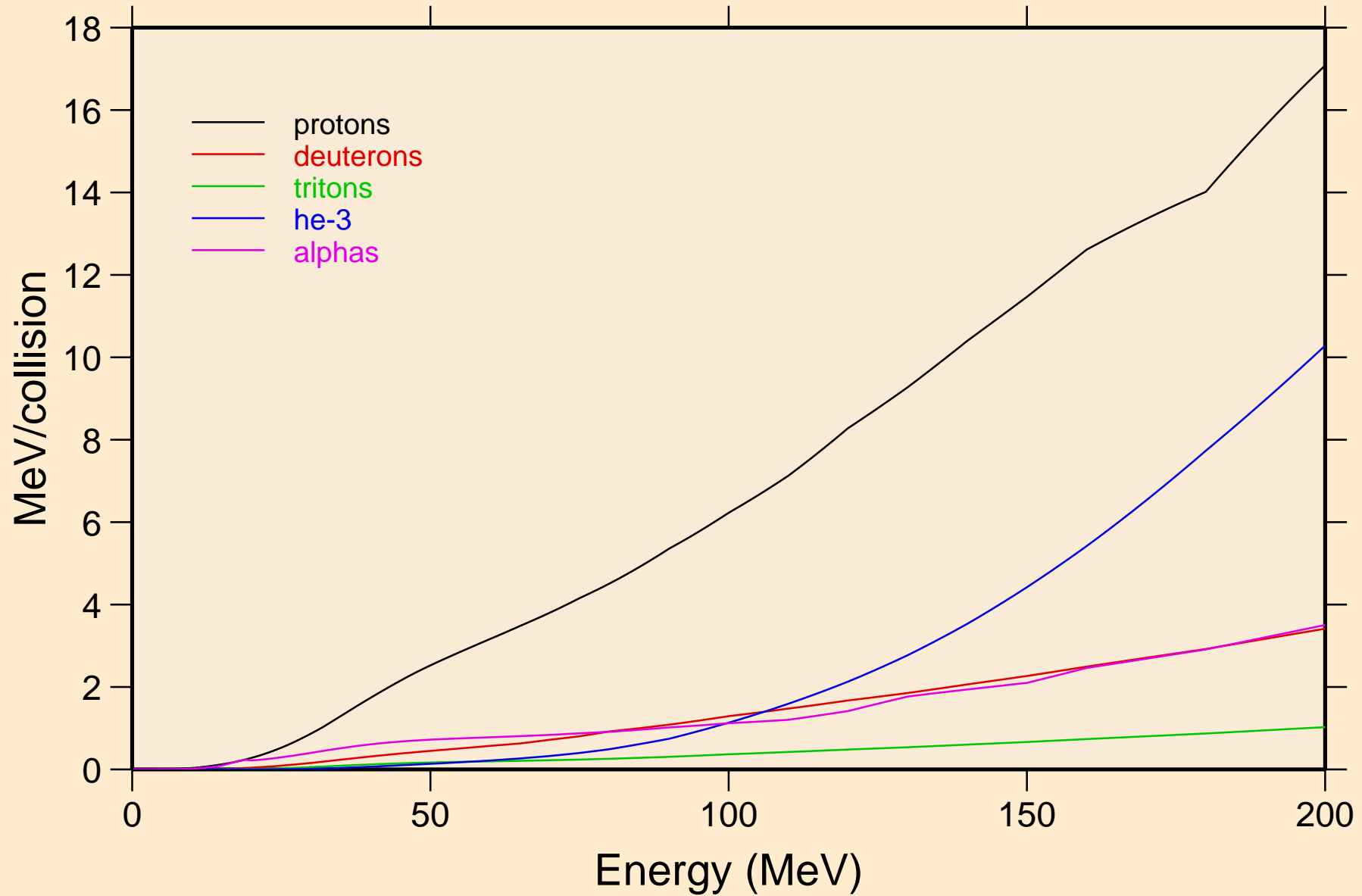


OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

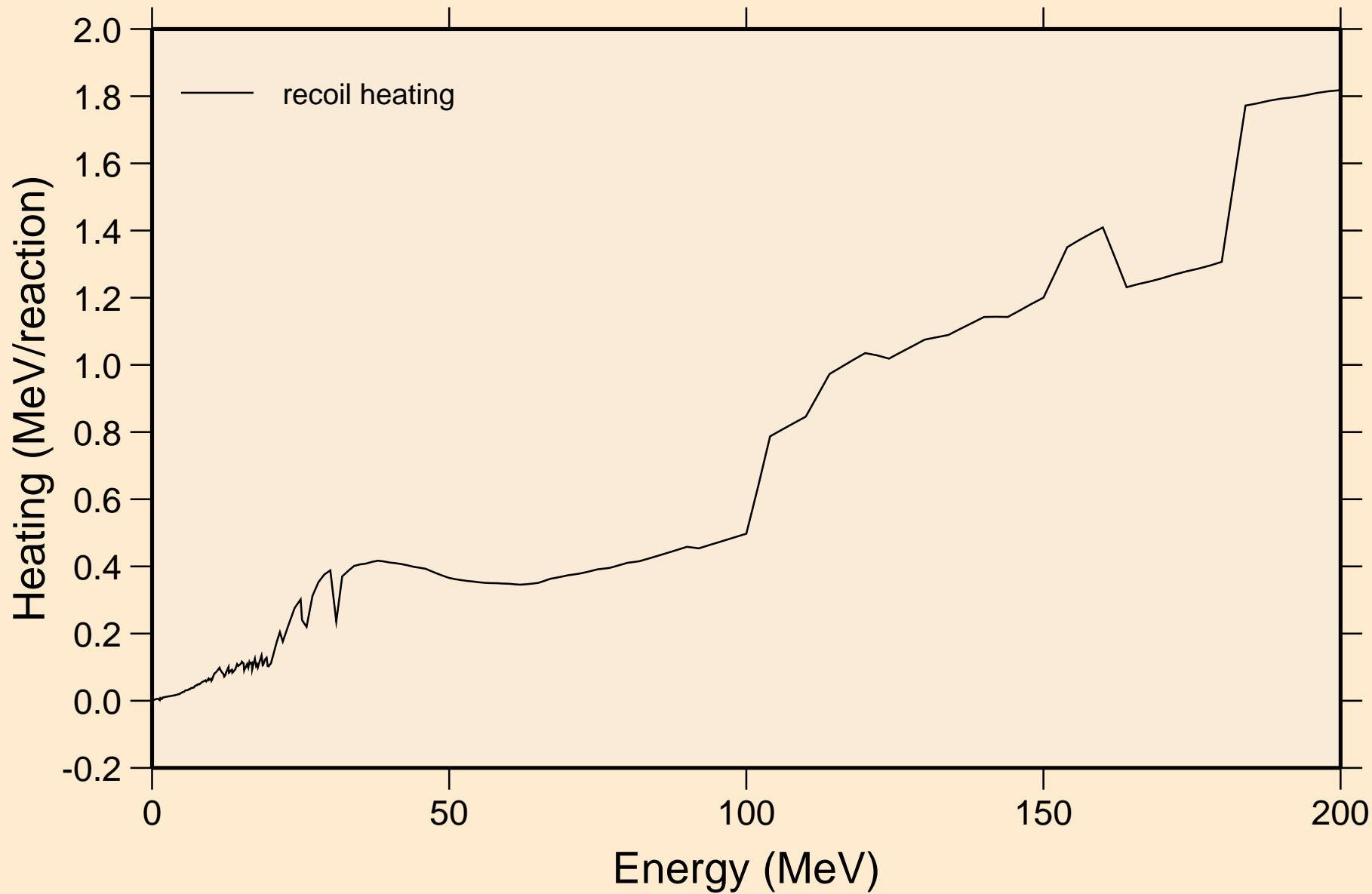


# OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

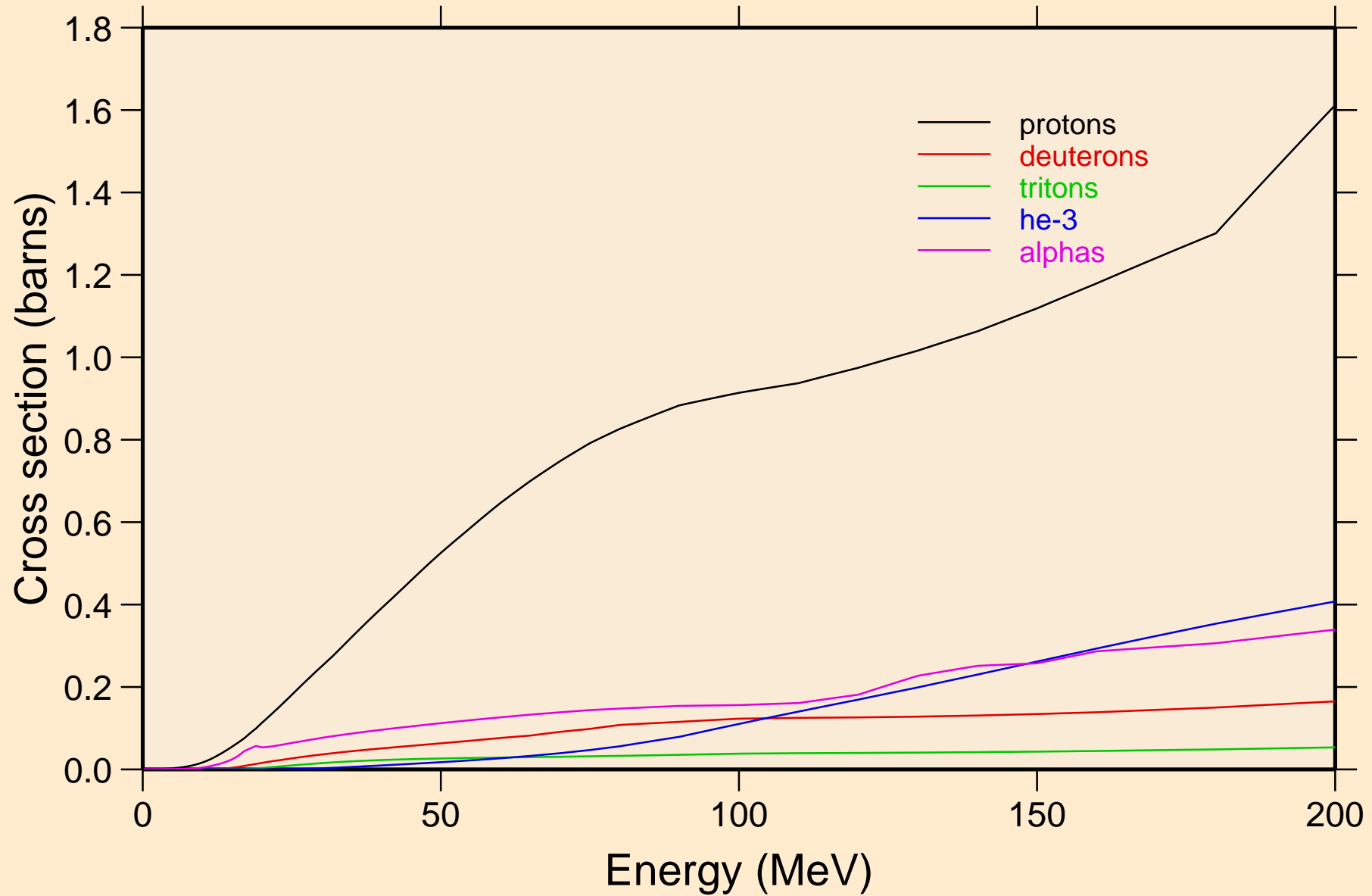
## Particle heating contributions



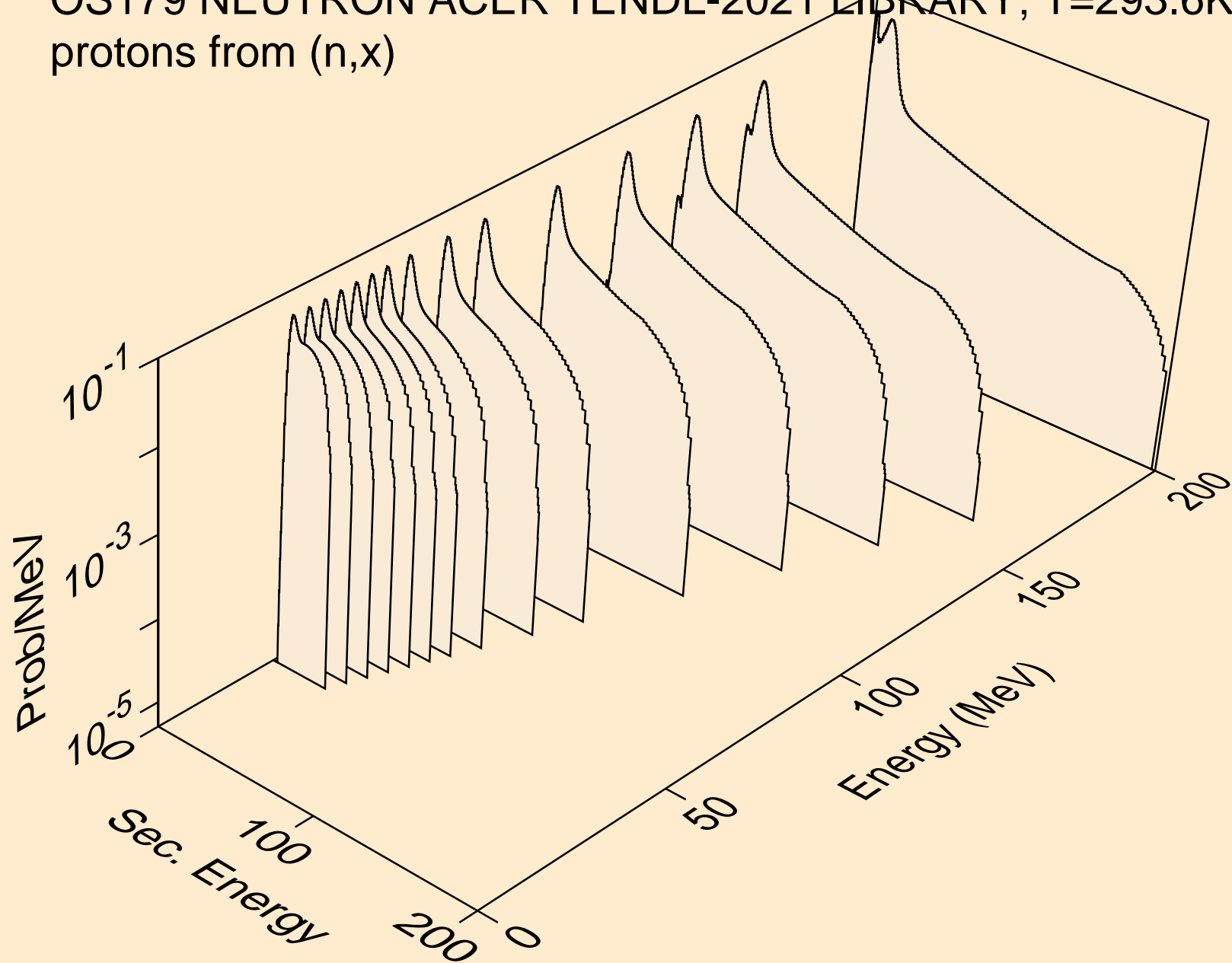
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



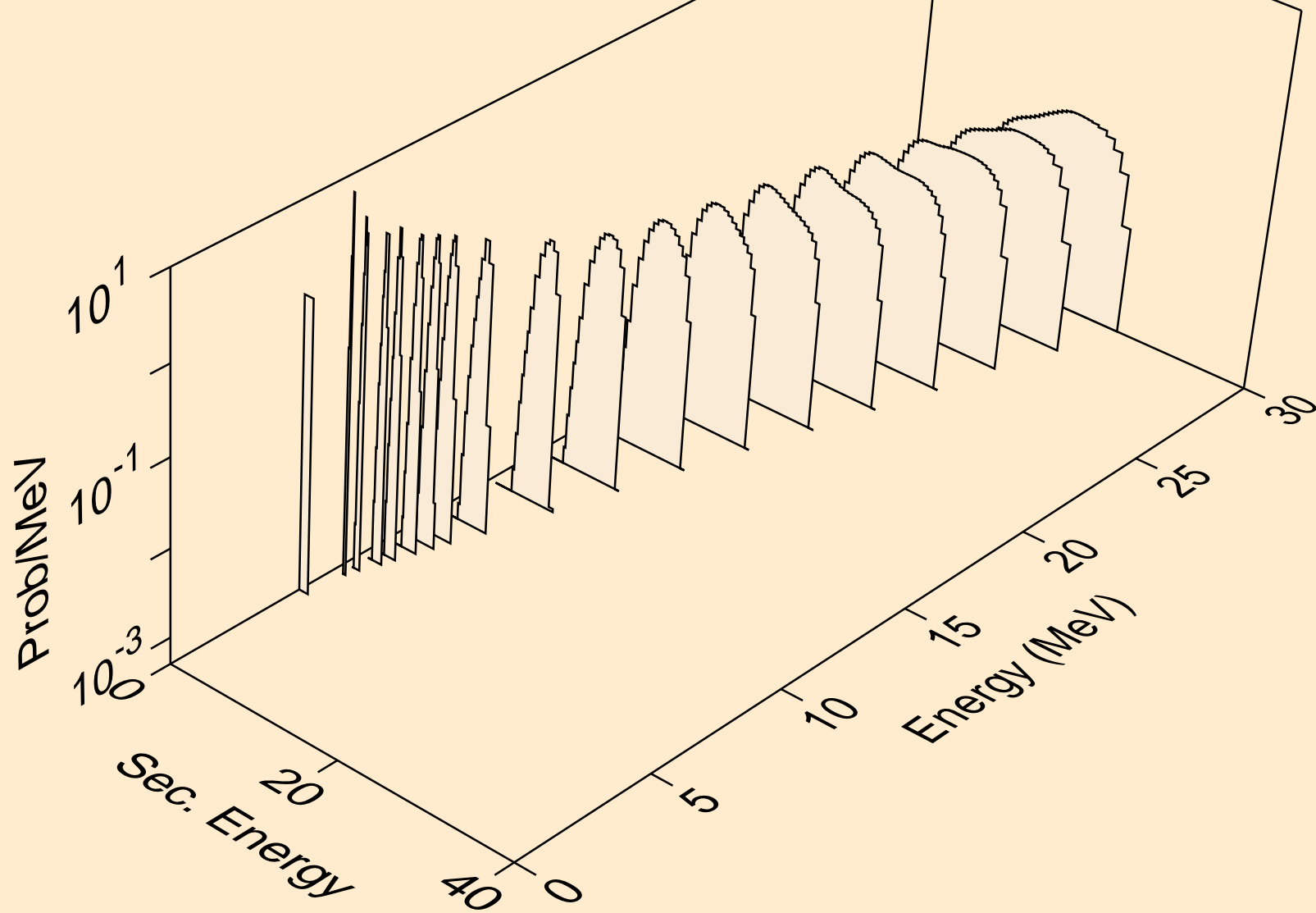
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Particle production cross sections



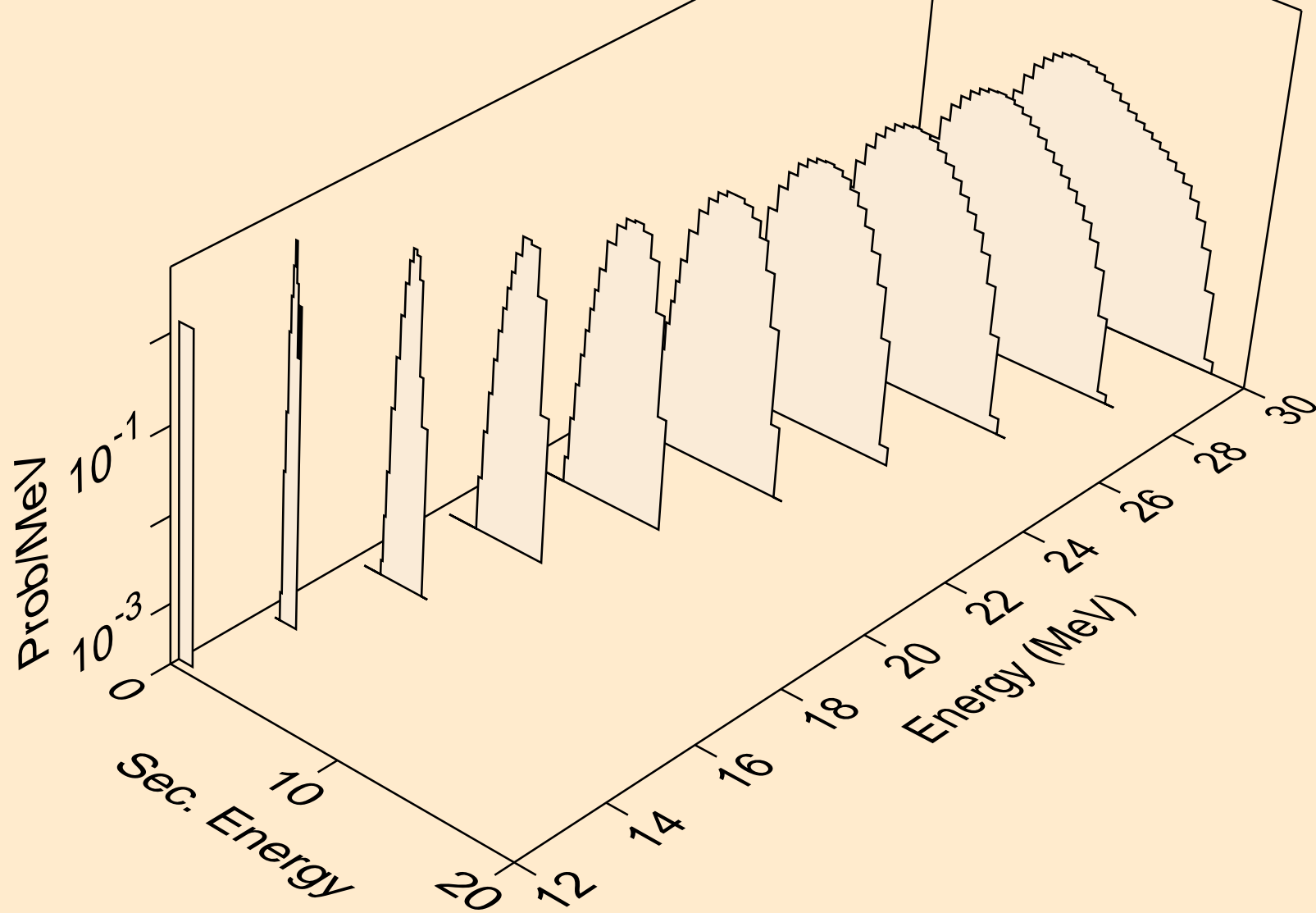
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



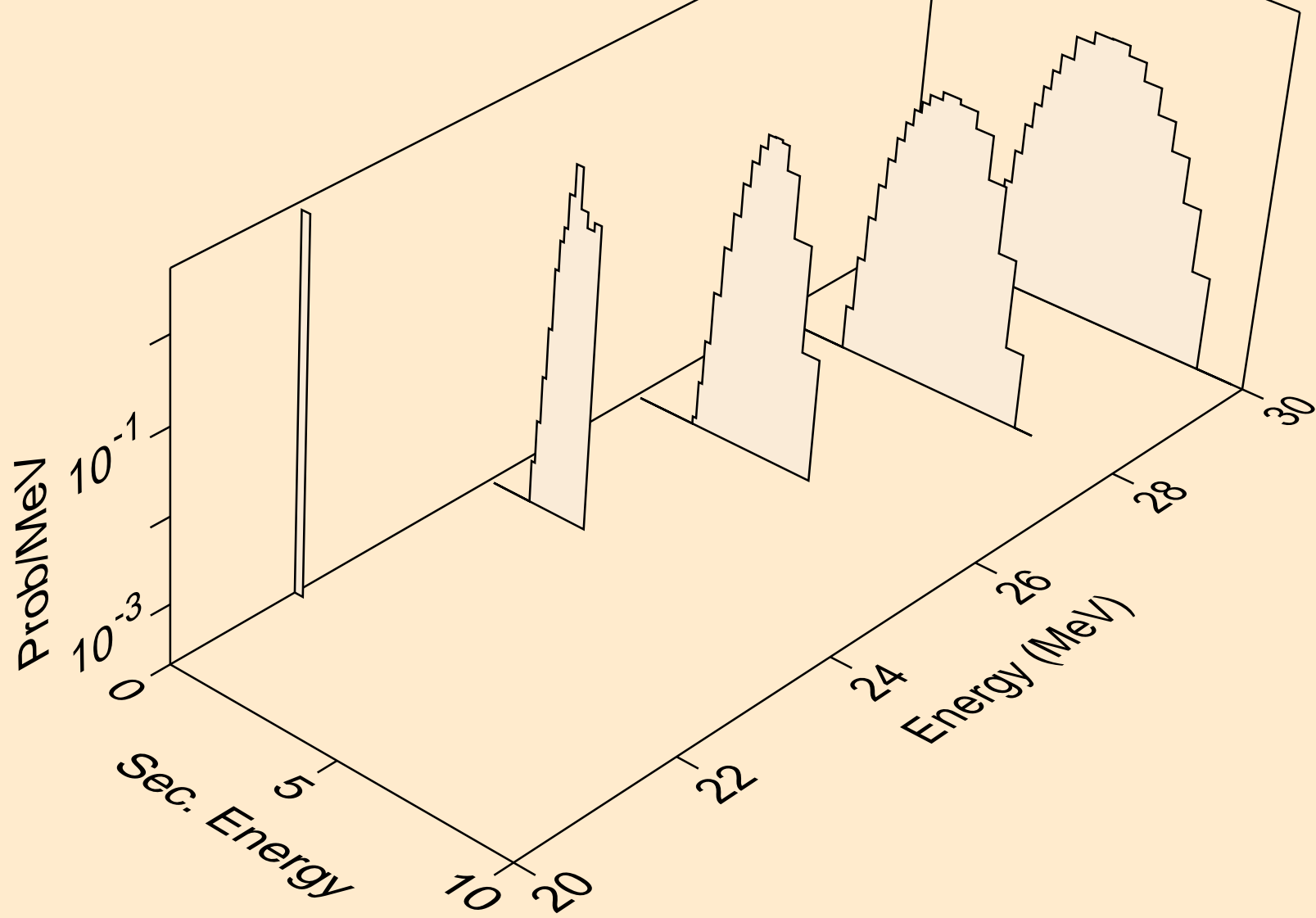
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

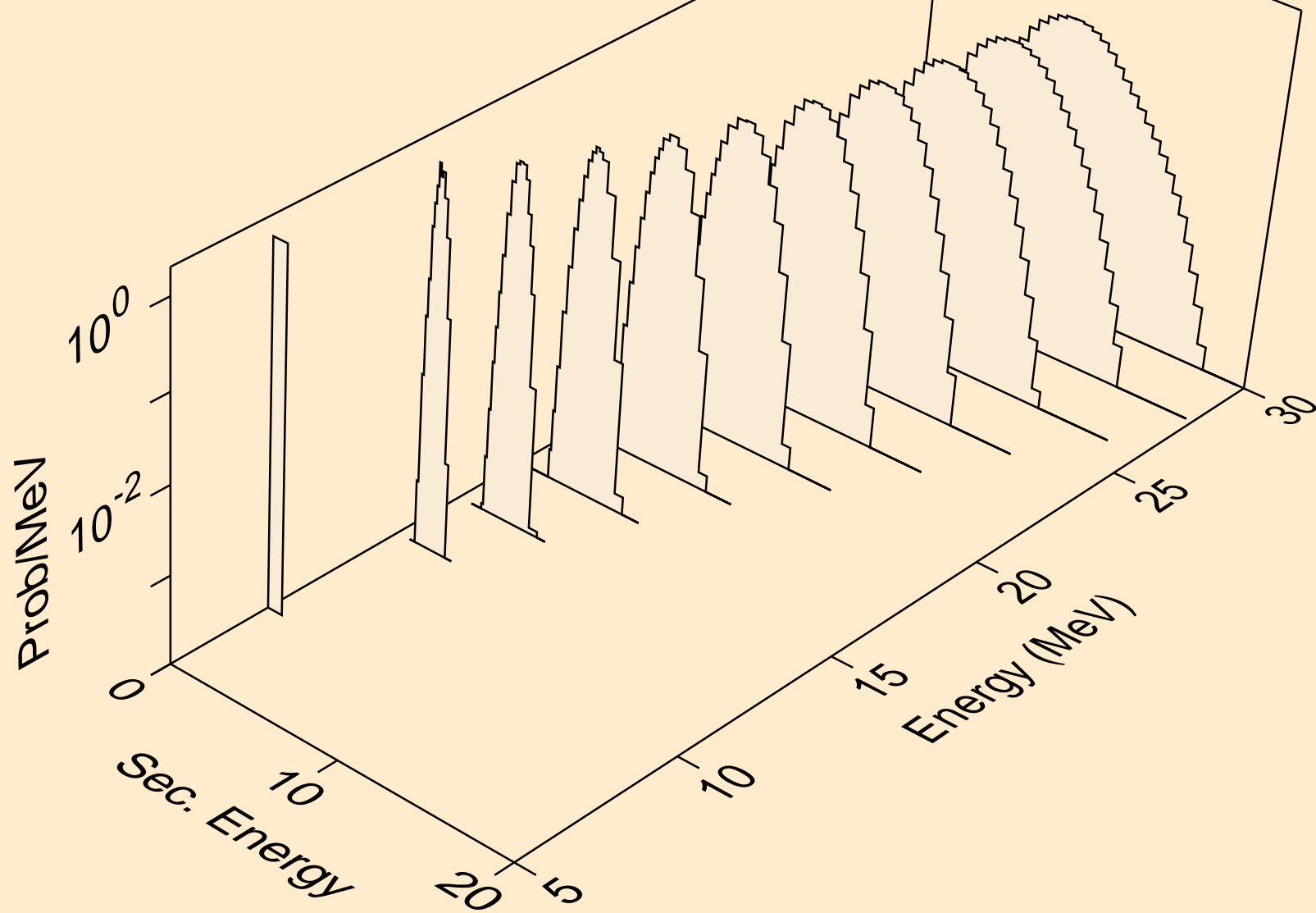


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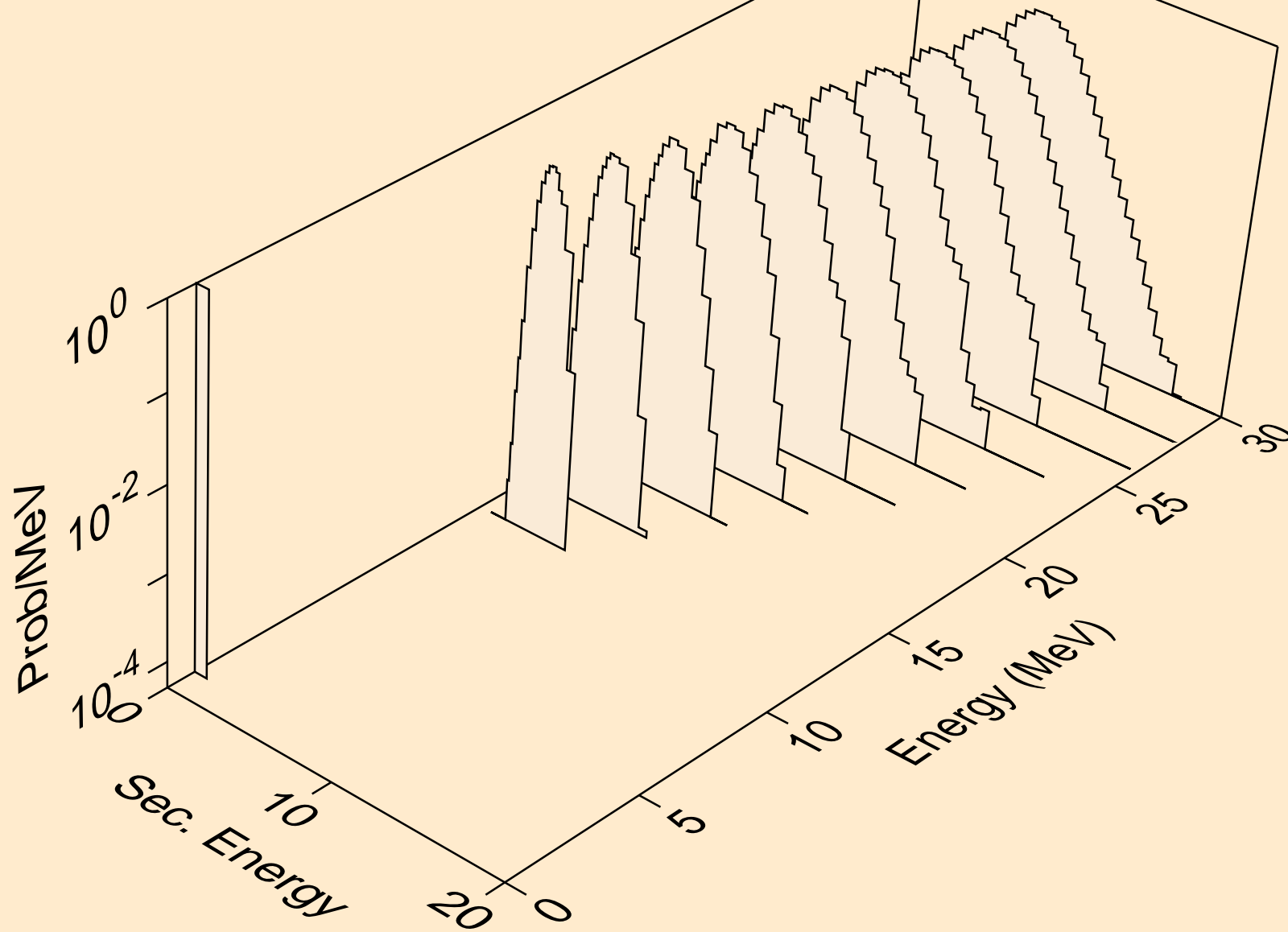




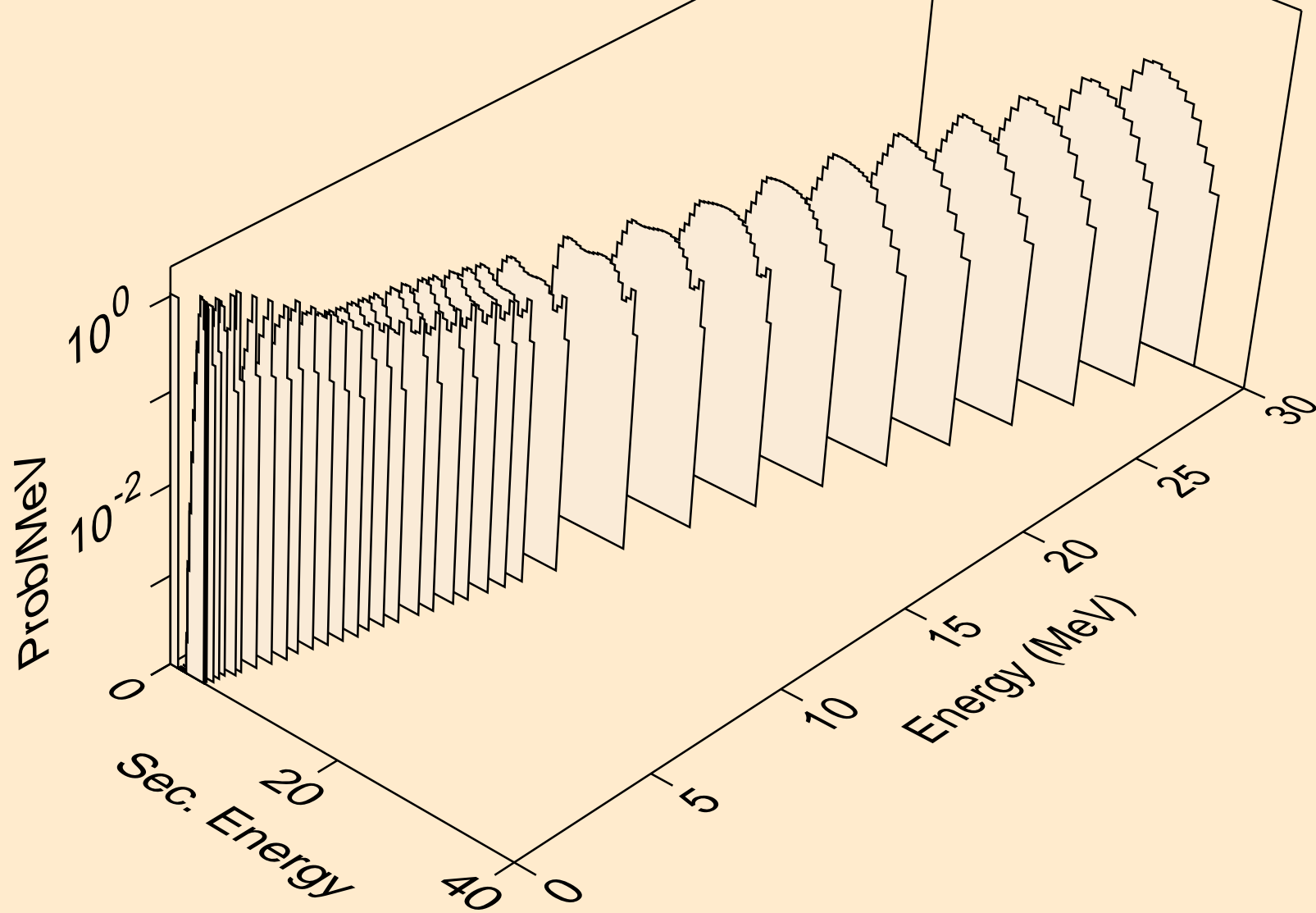
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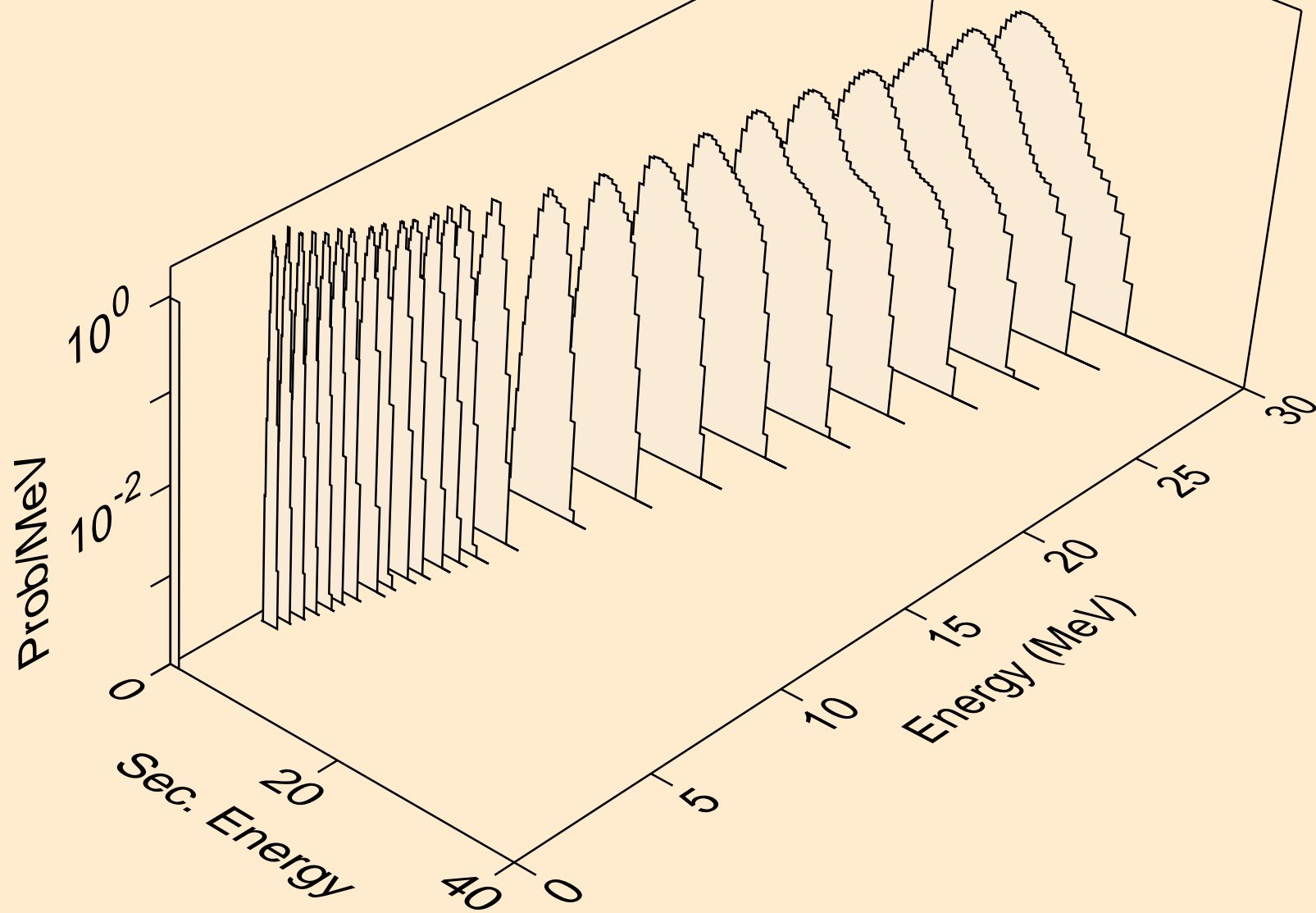
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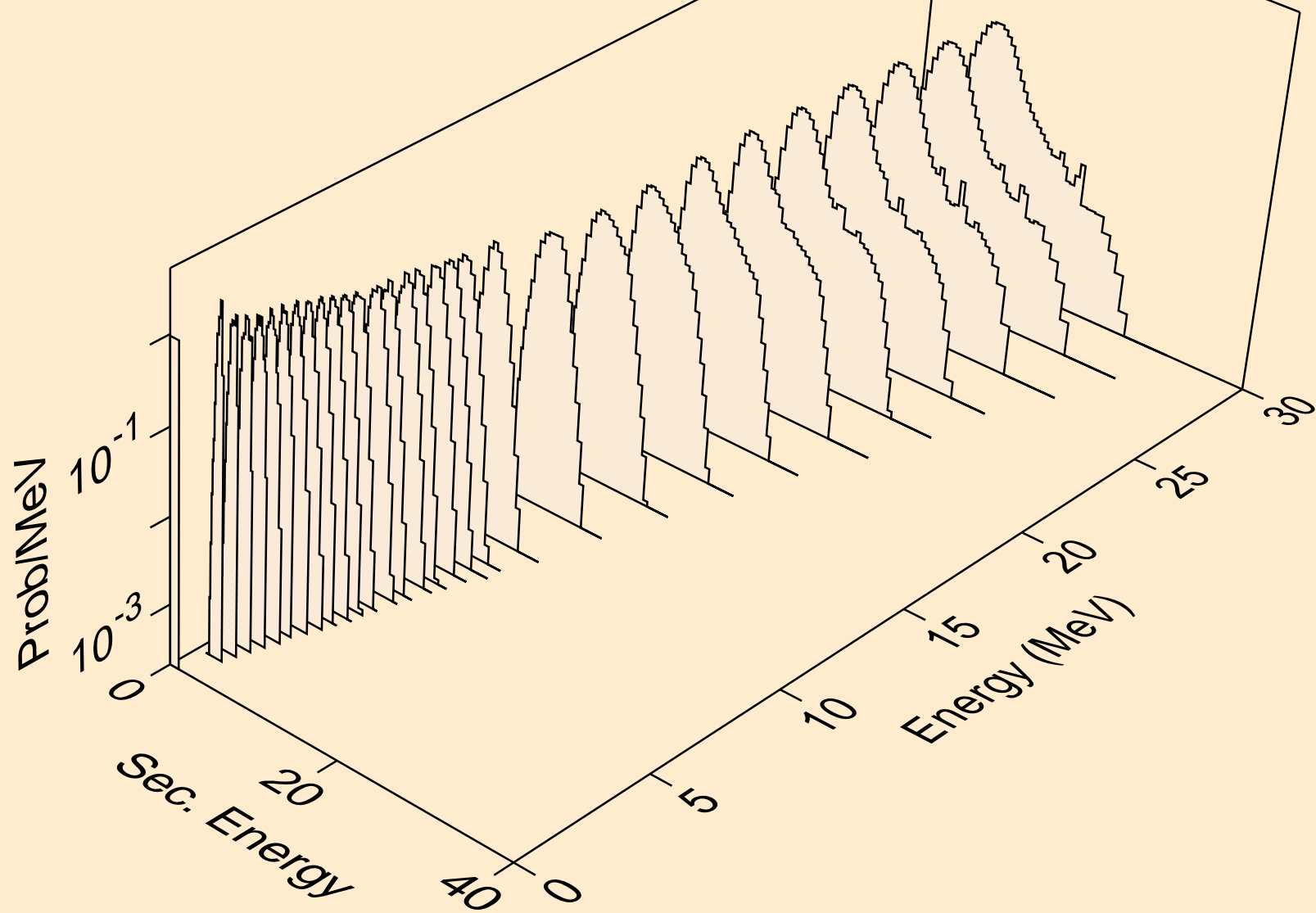
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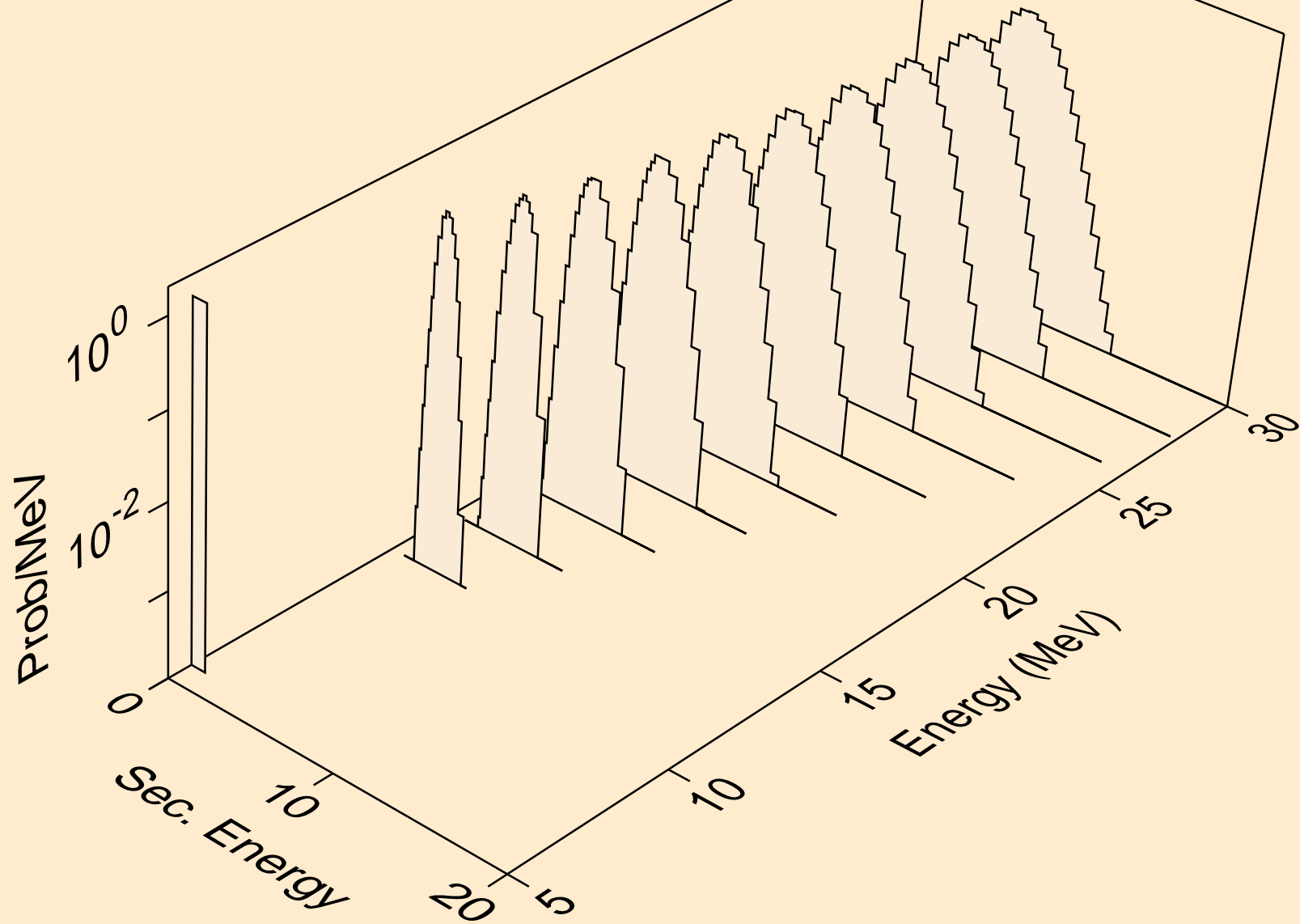
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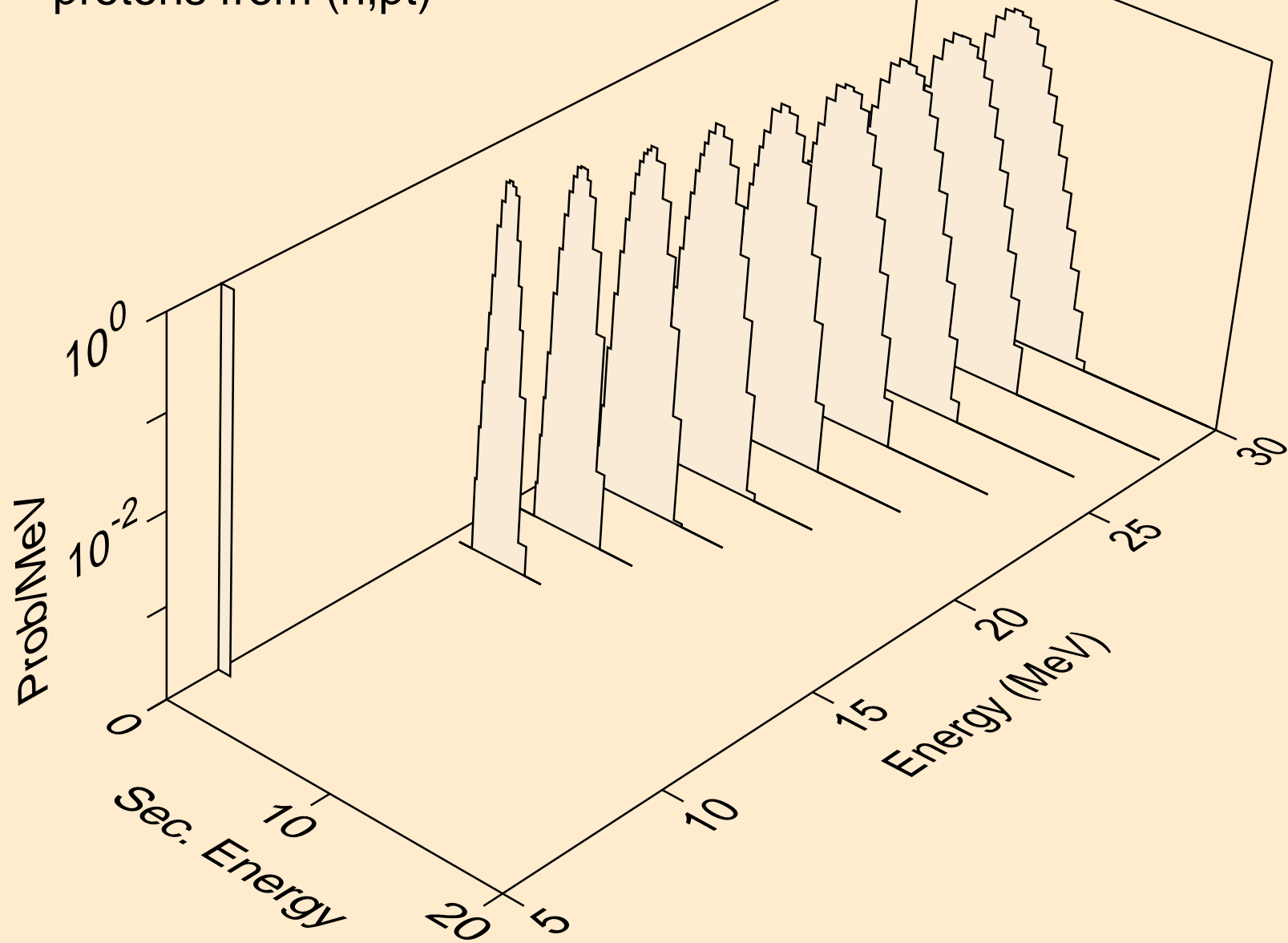
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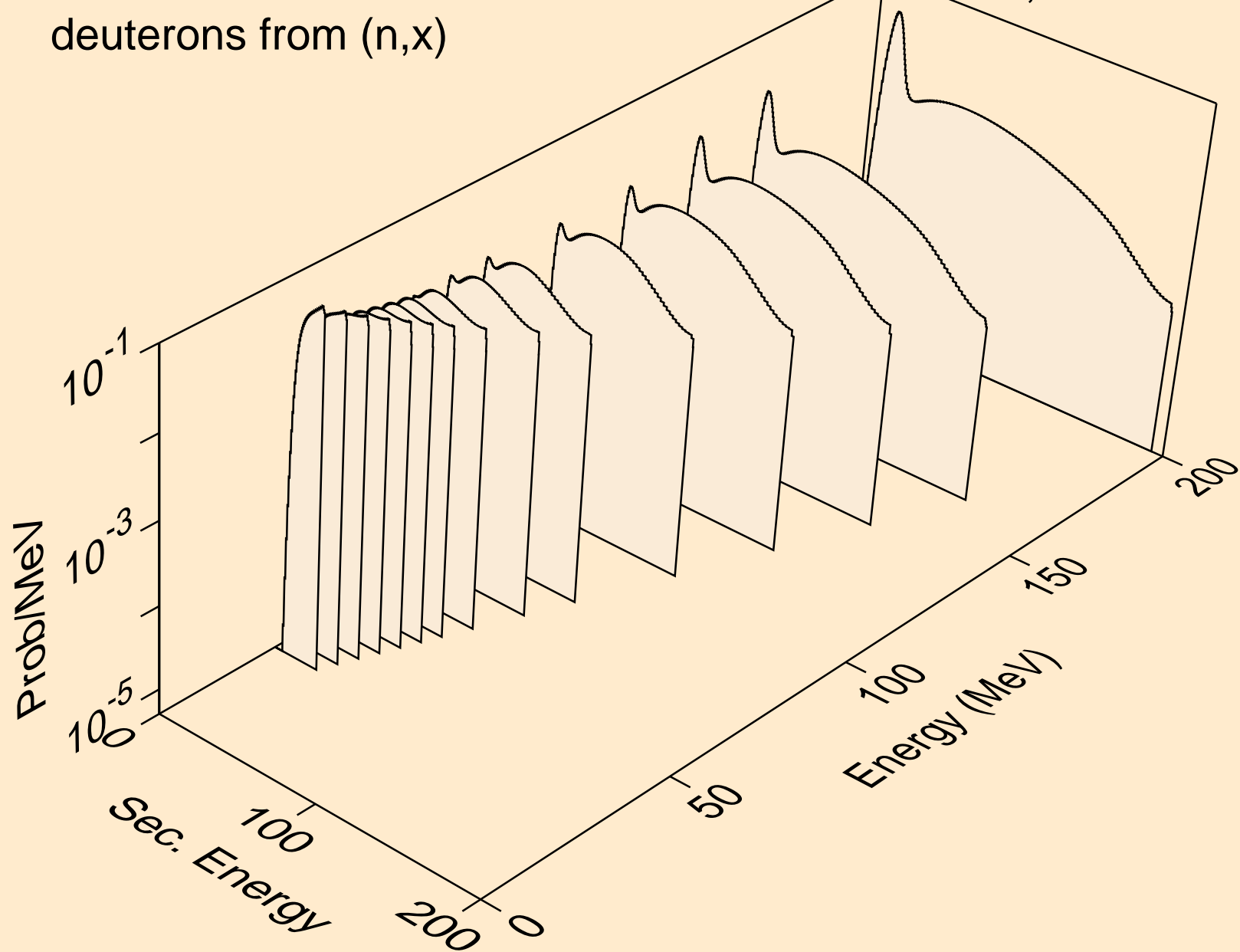
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protons from (n,pd)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

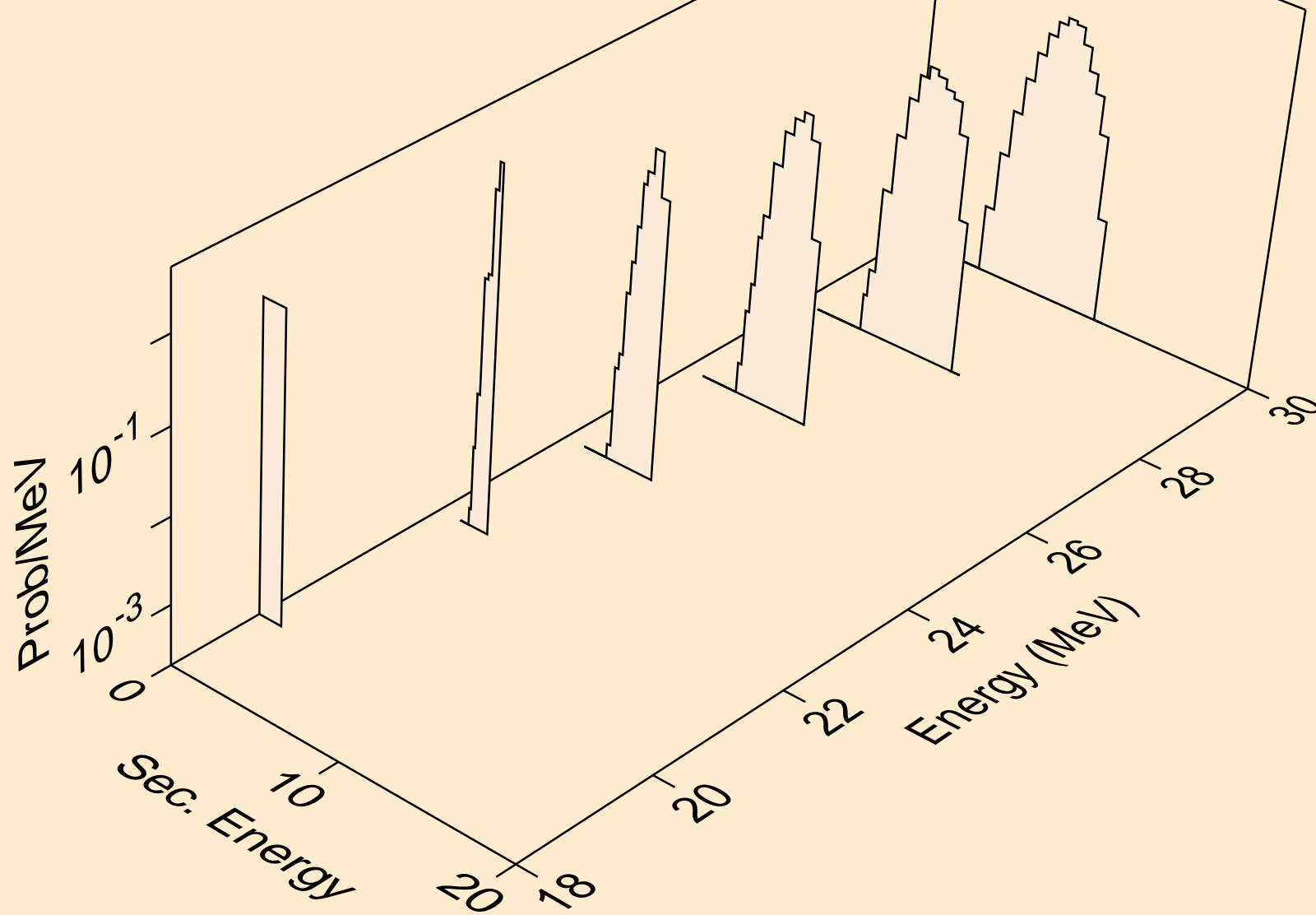


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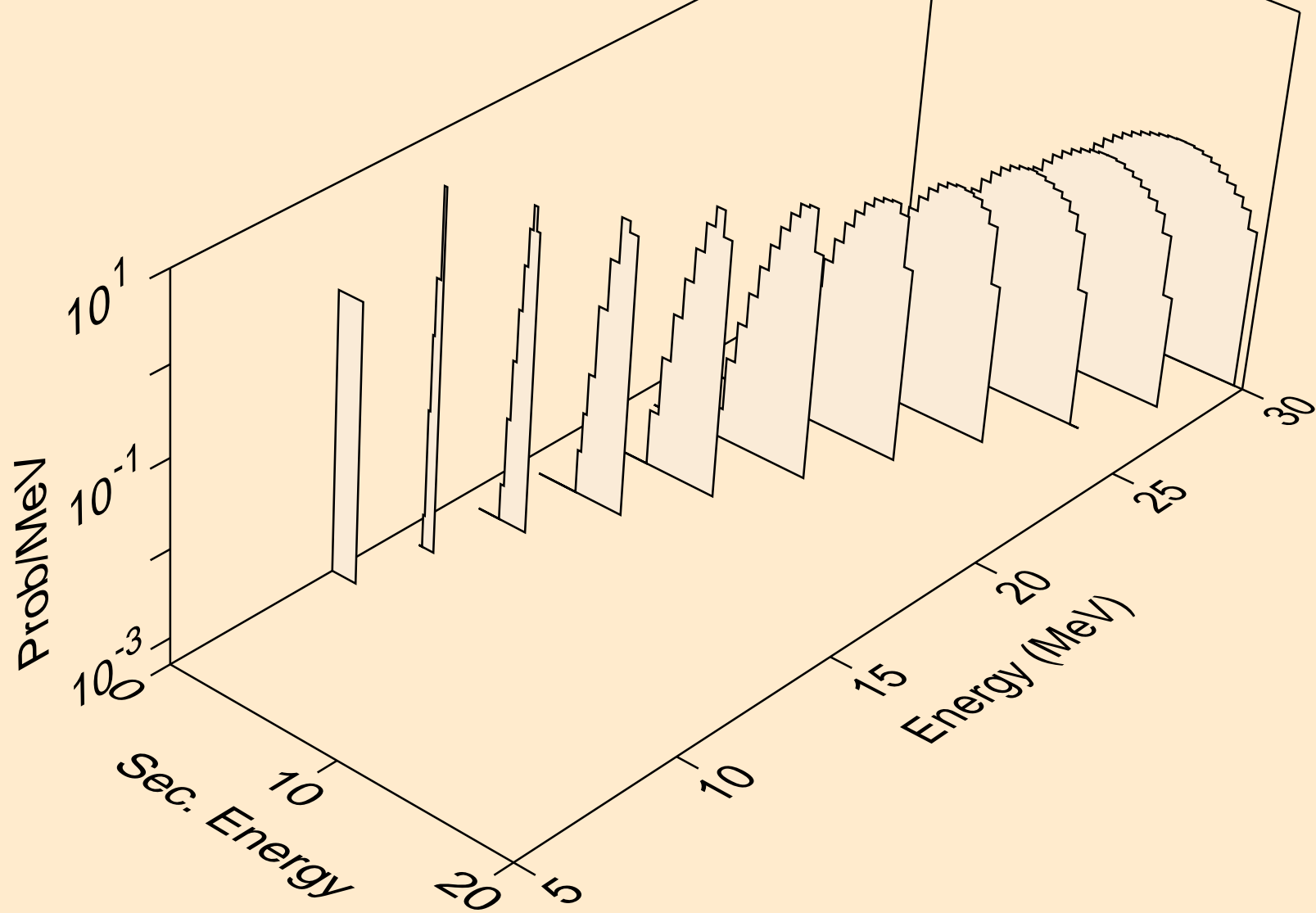




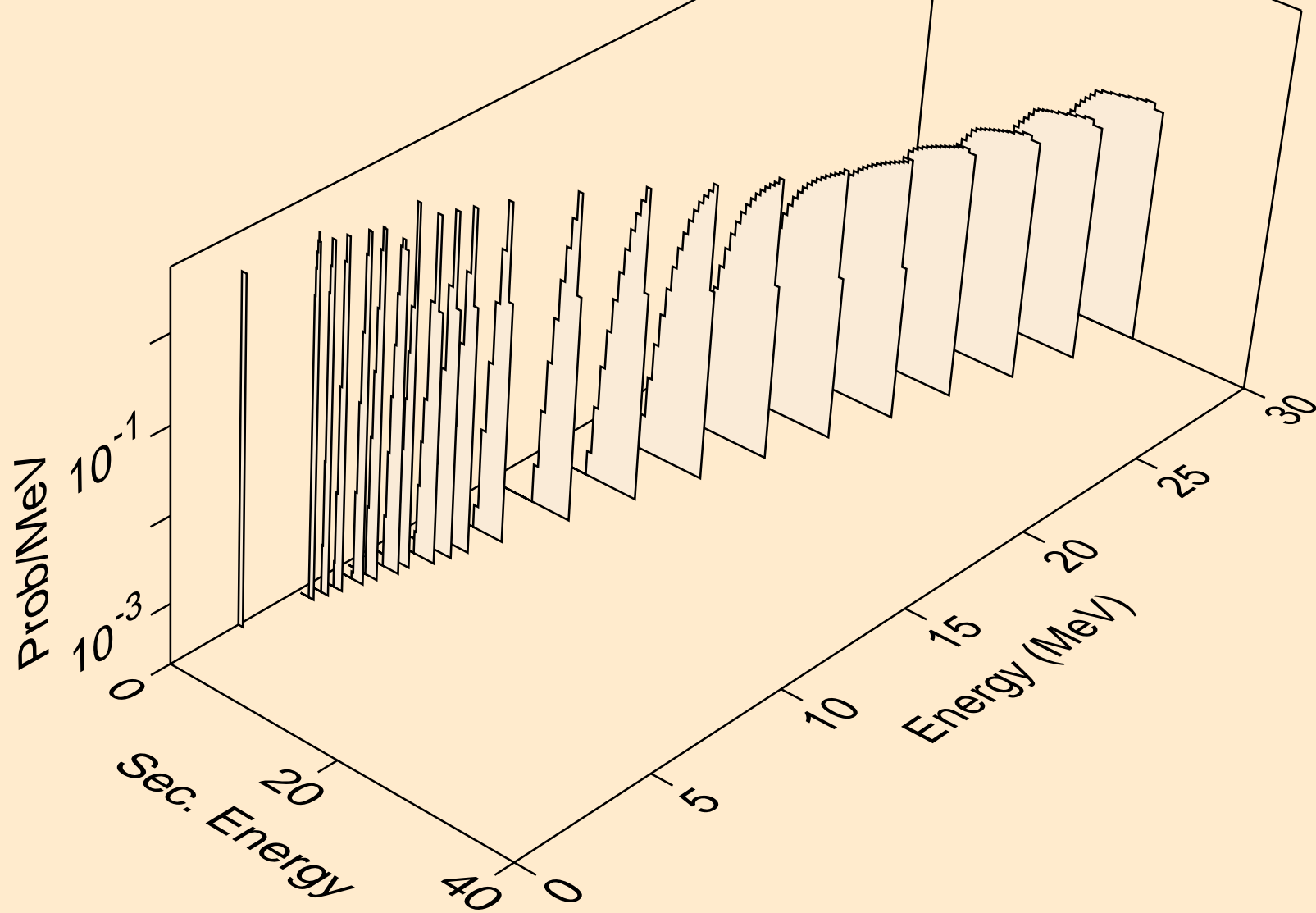
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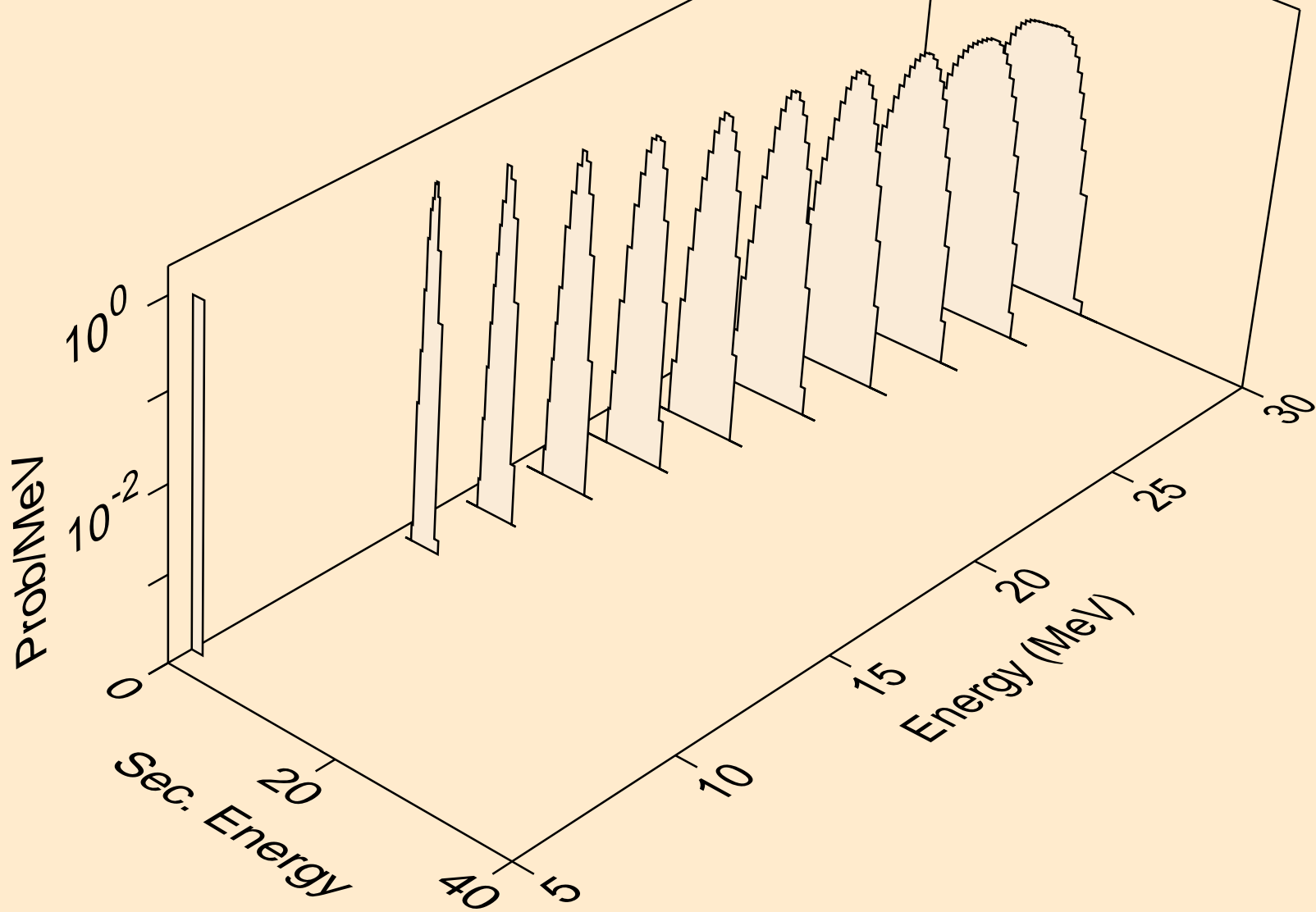
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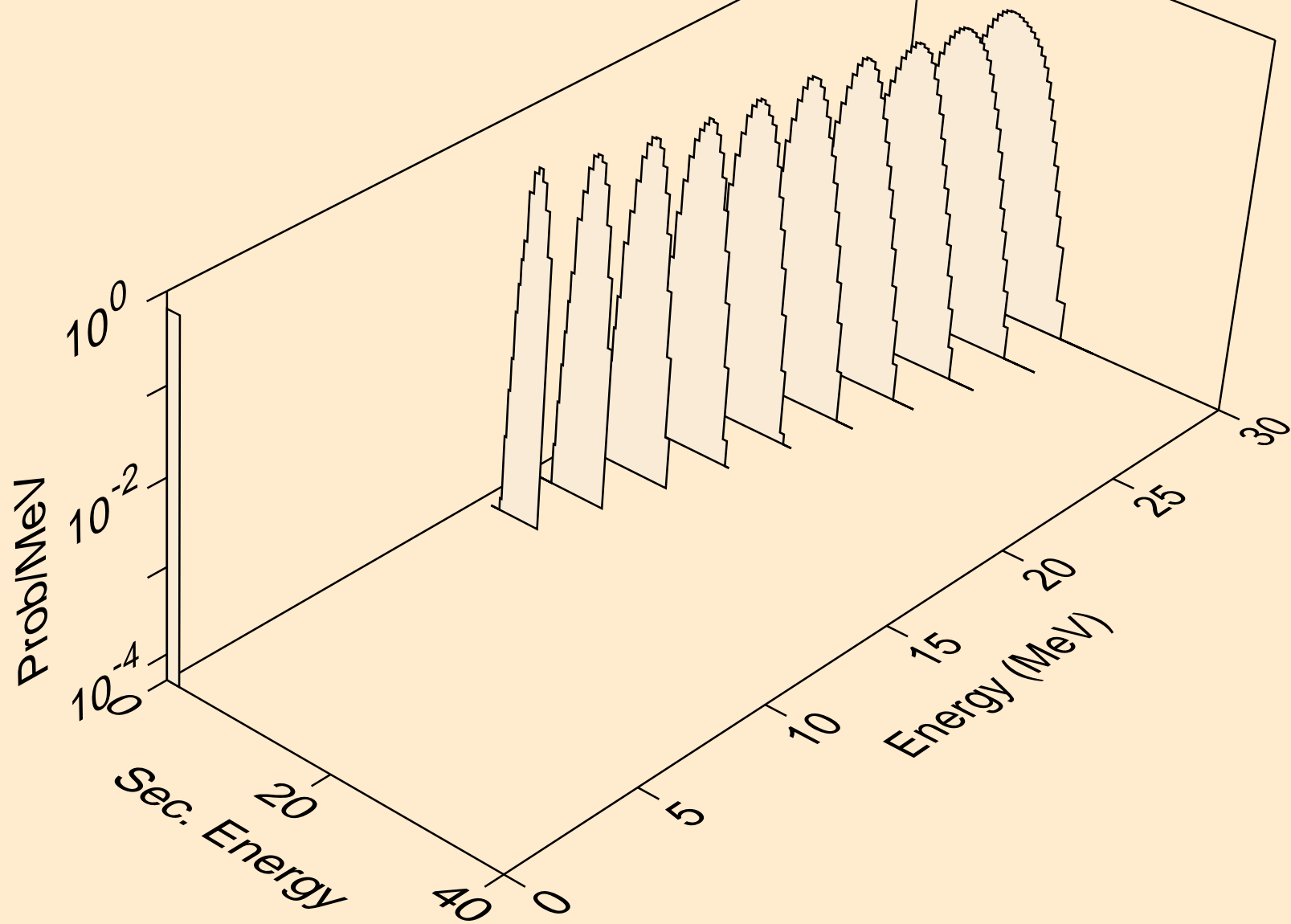
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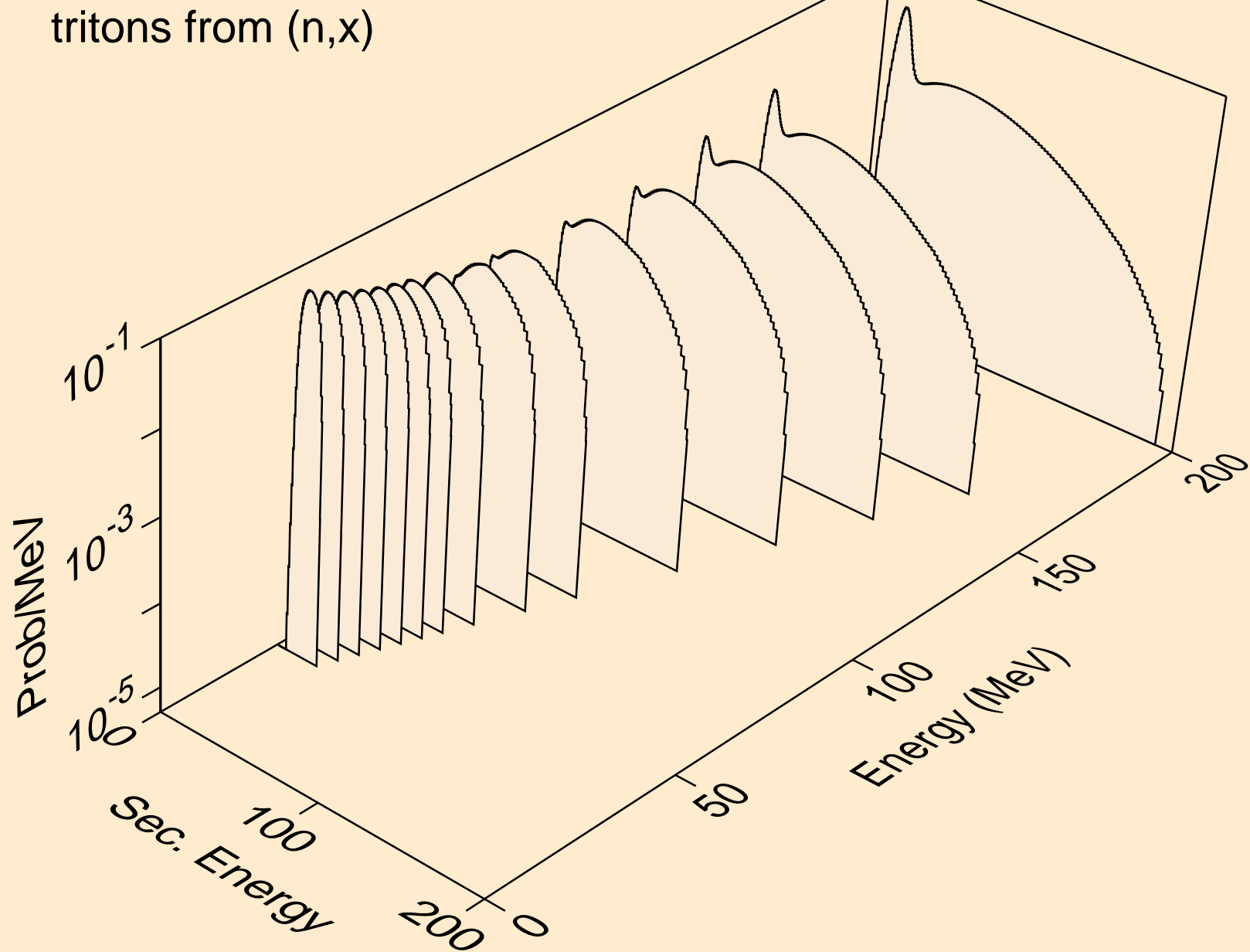
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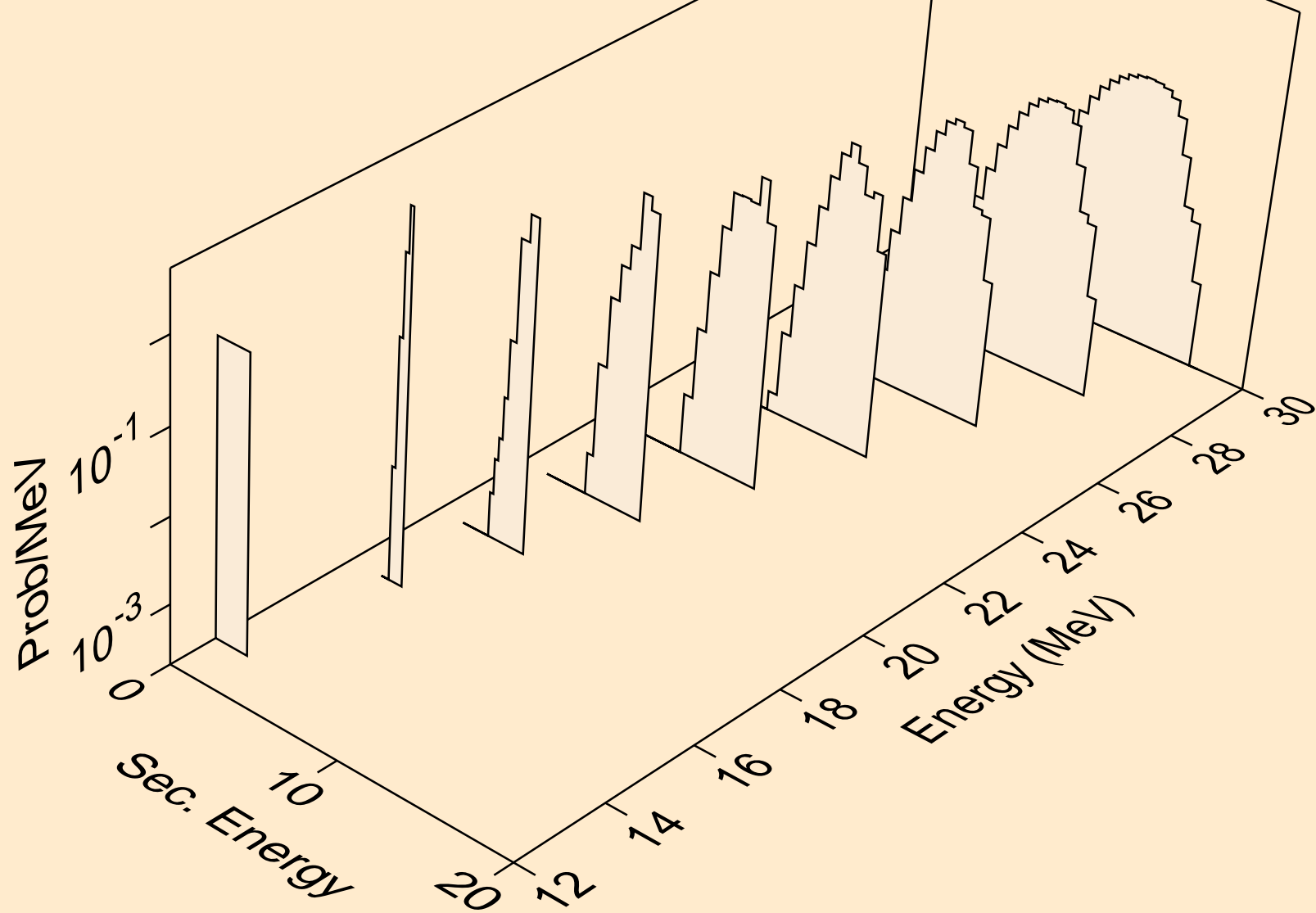
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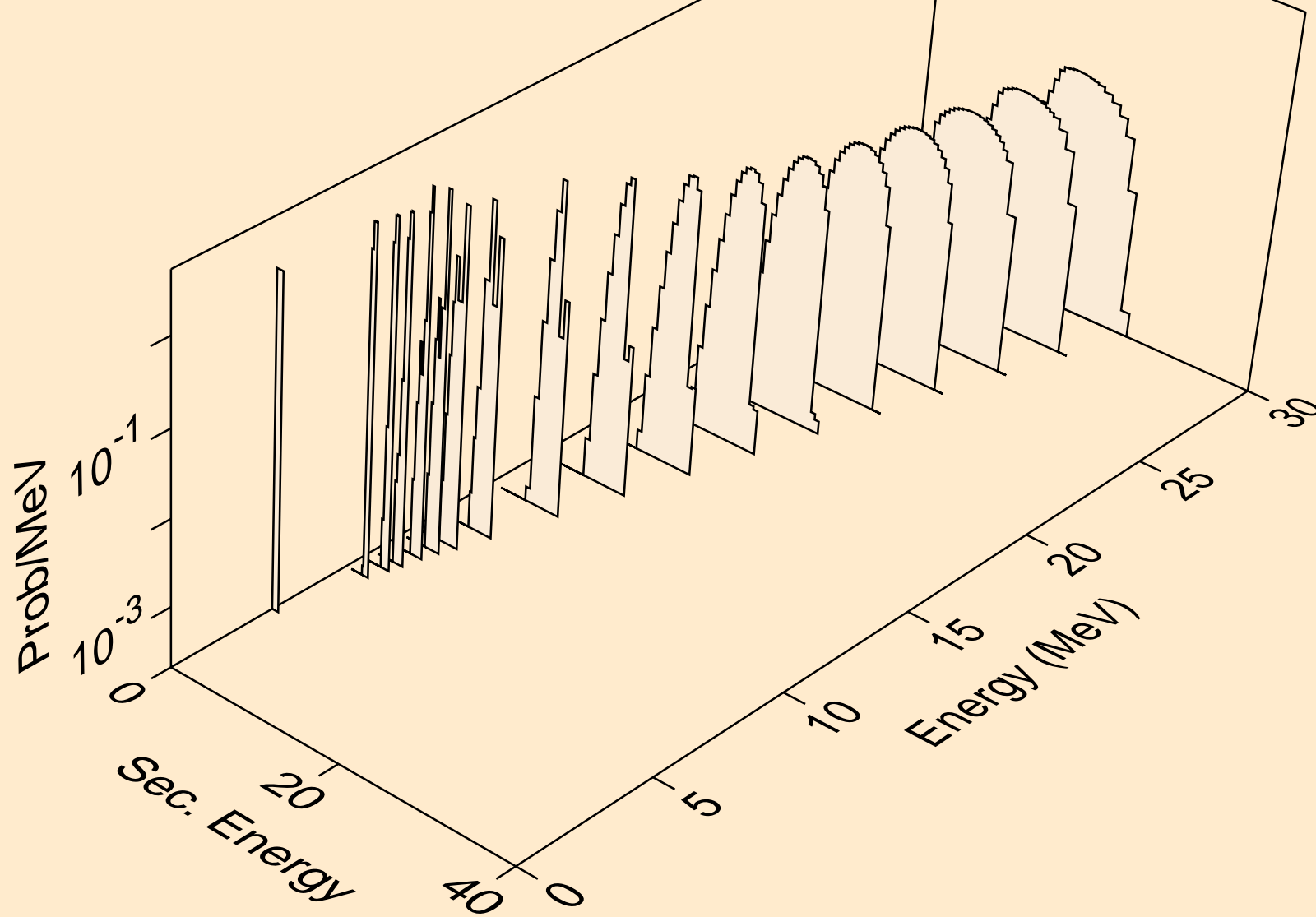
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tritons from (n,x)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

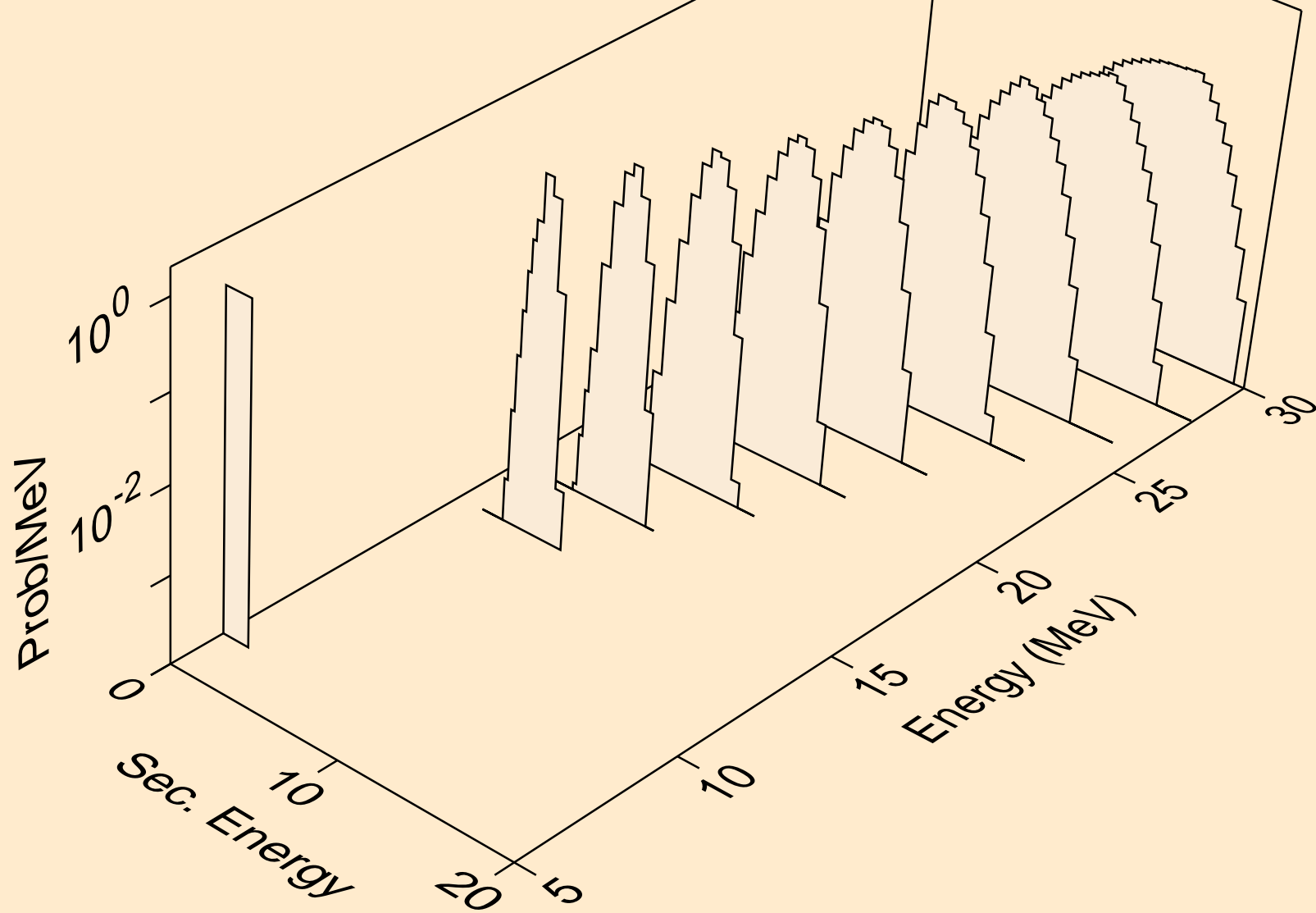


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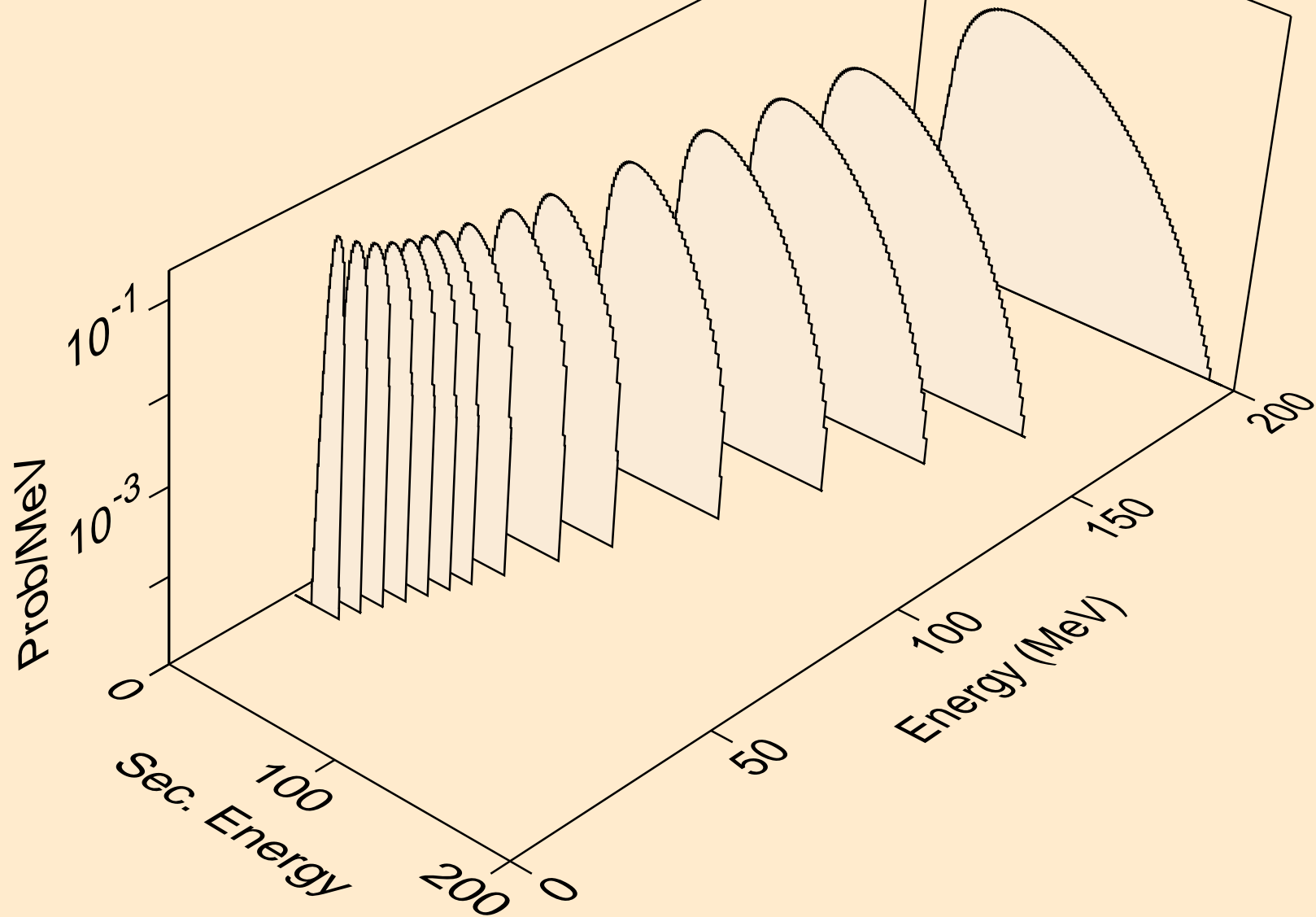




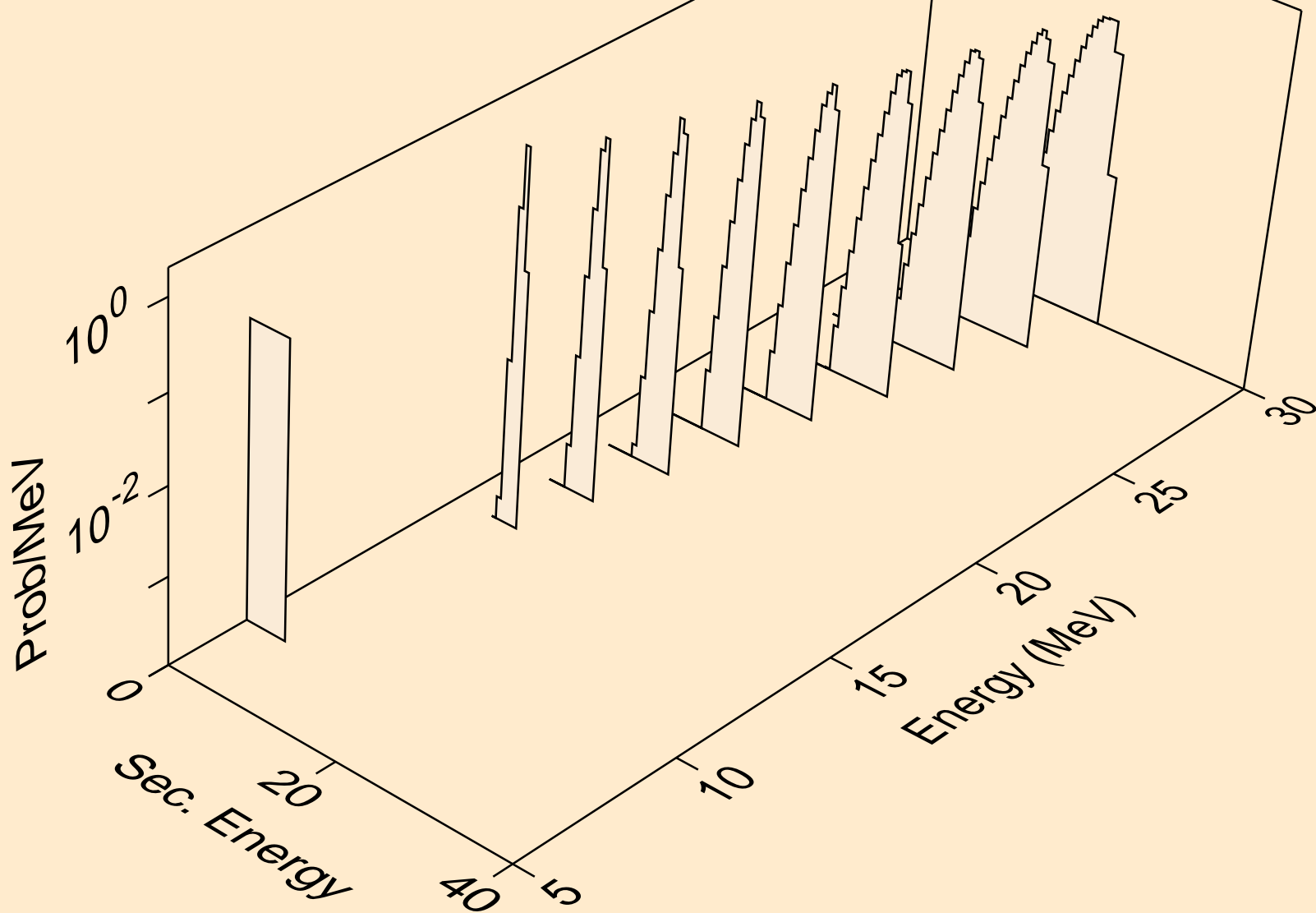
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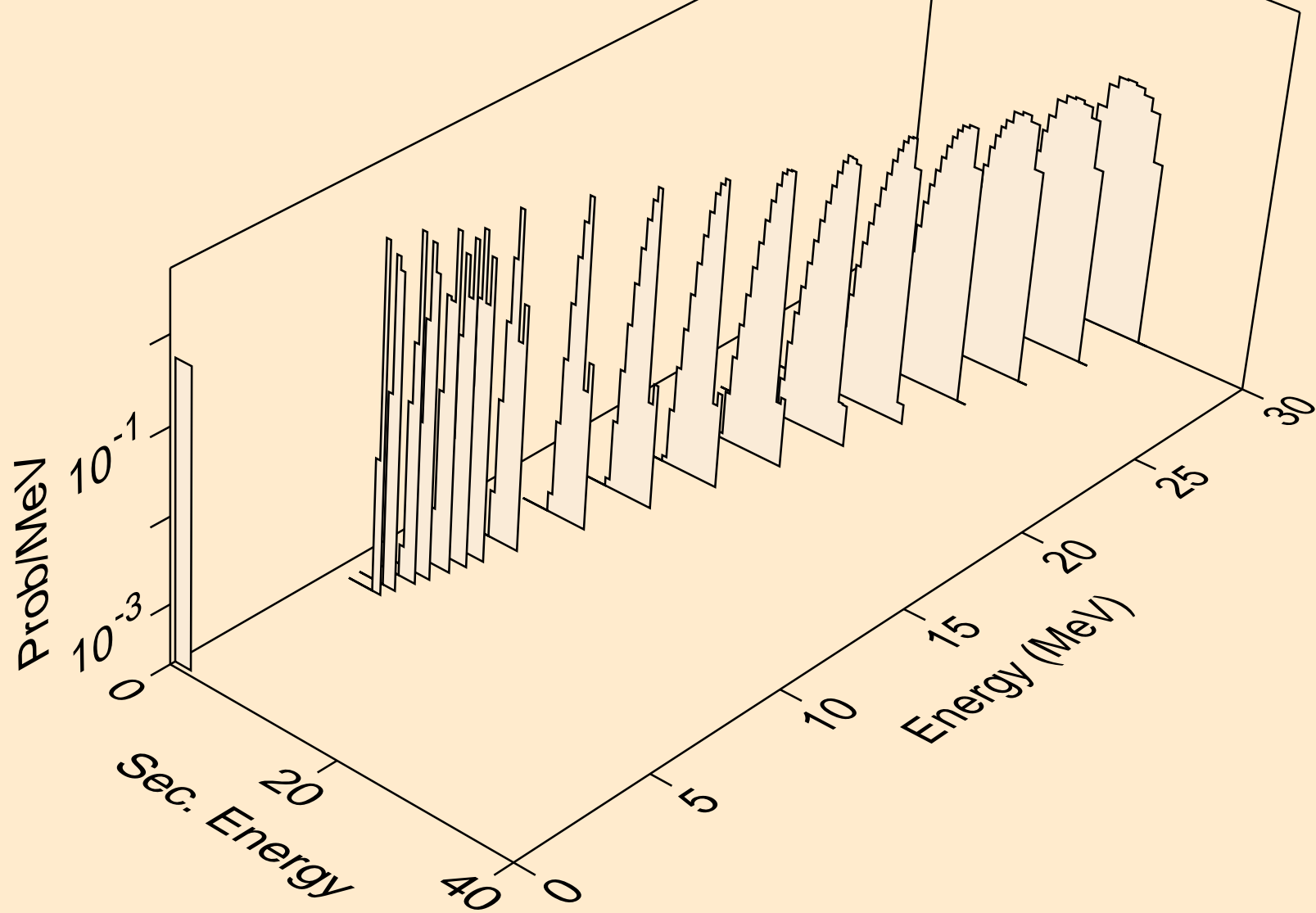
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he3s from (n,x)



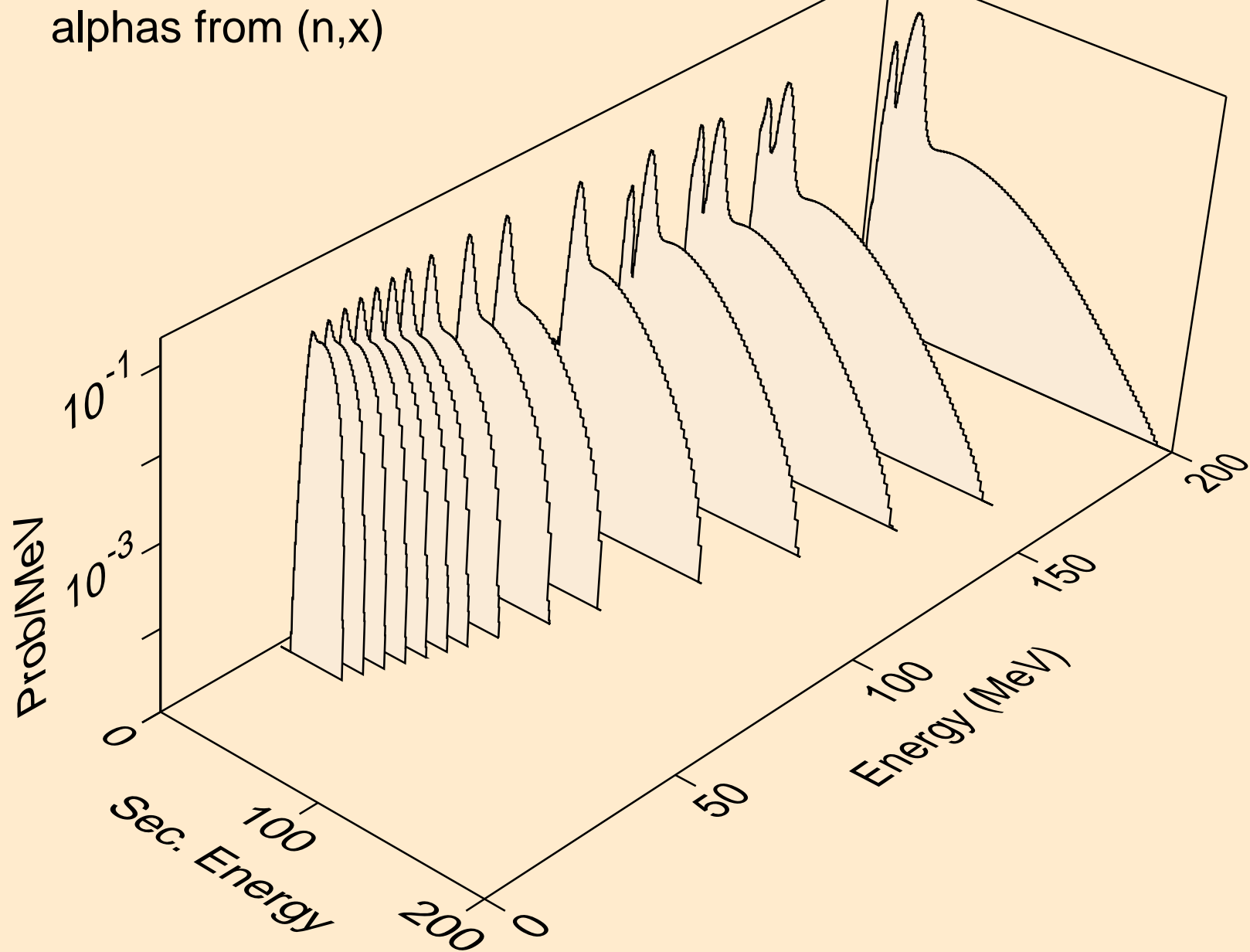
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he3s from (n,n\*)he3



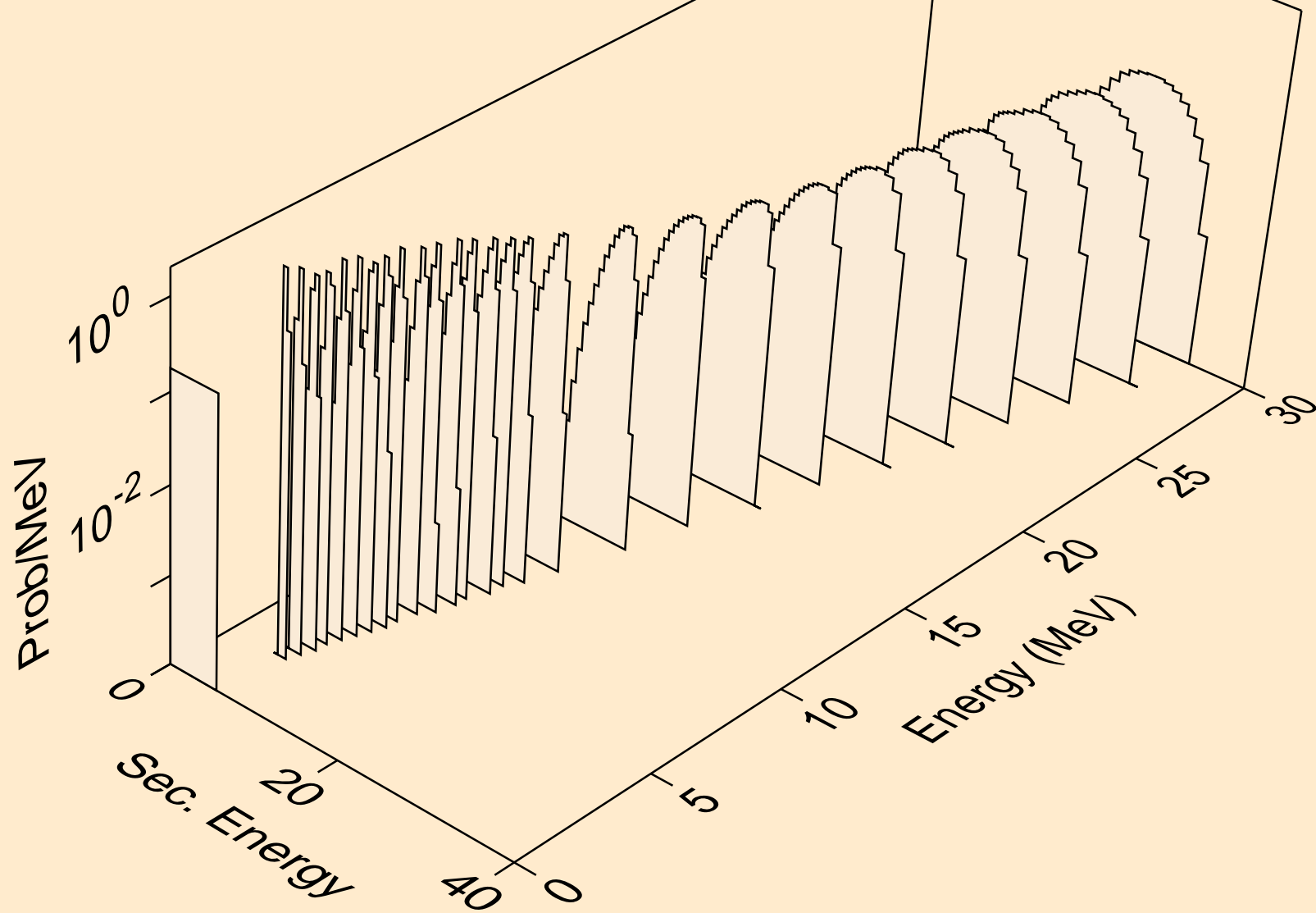
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he3s from (n,he3)



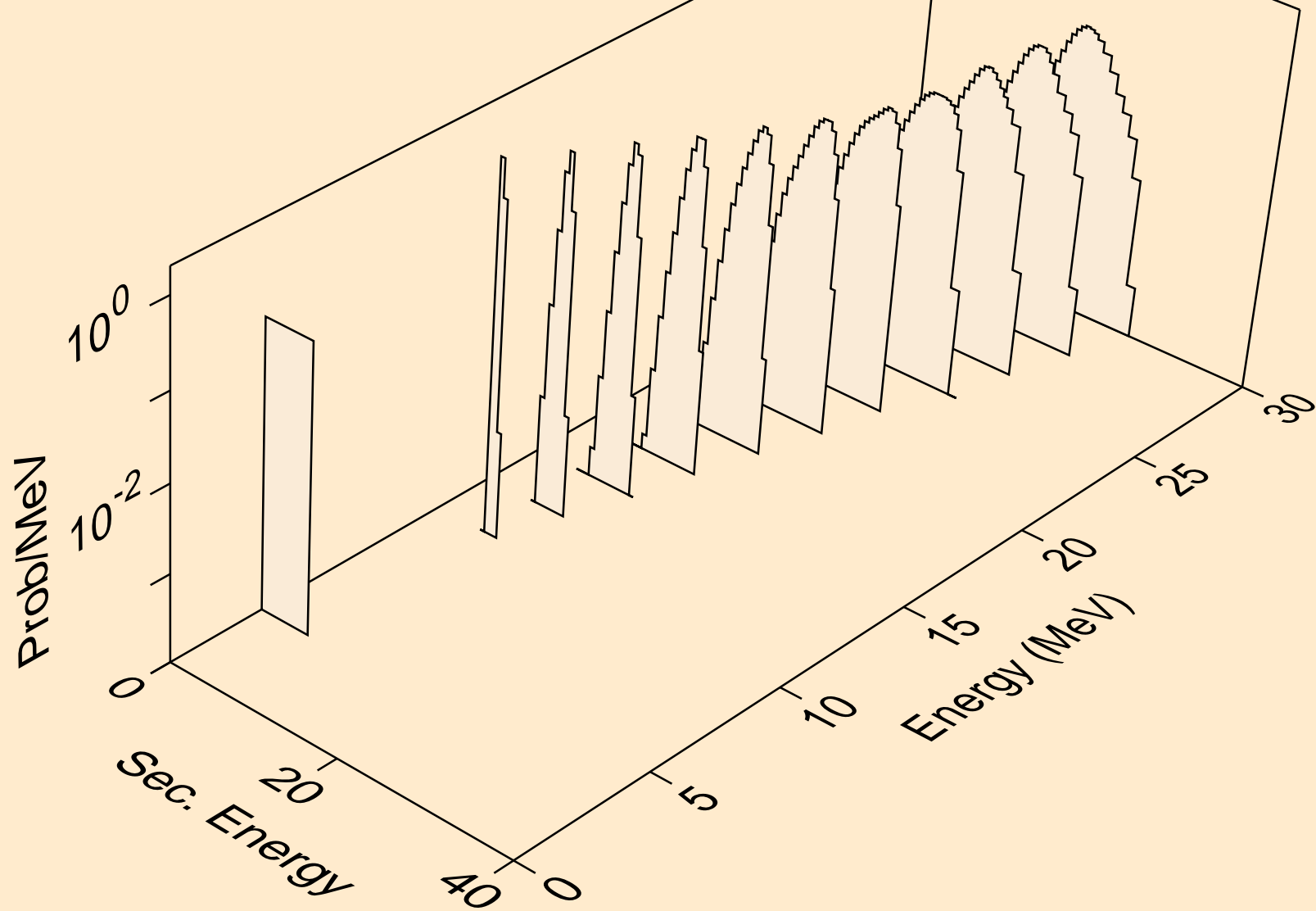
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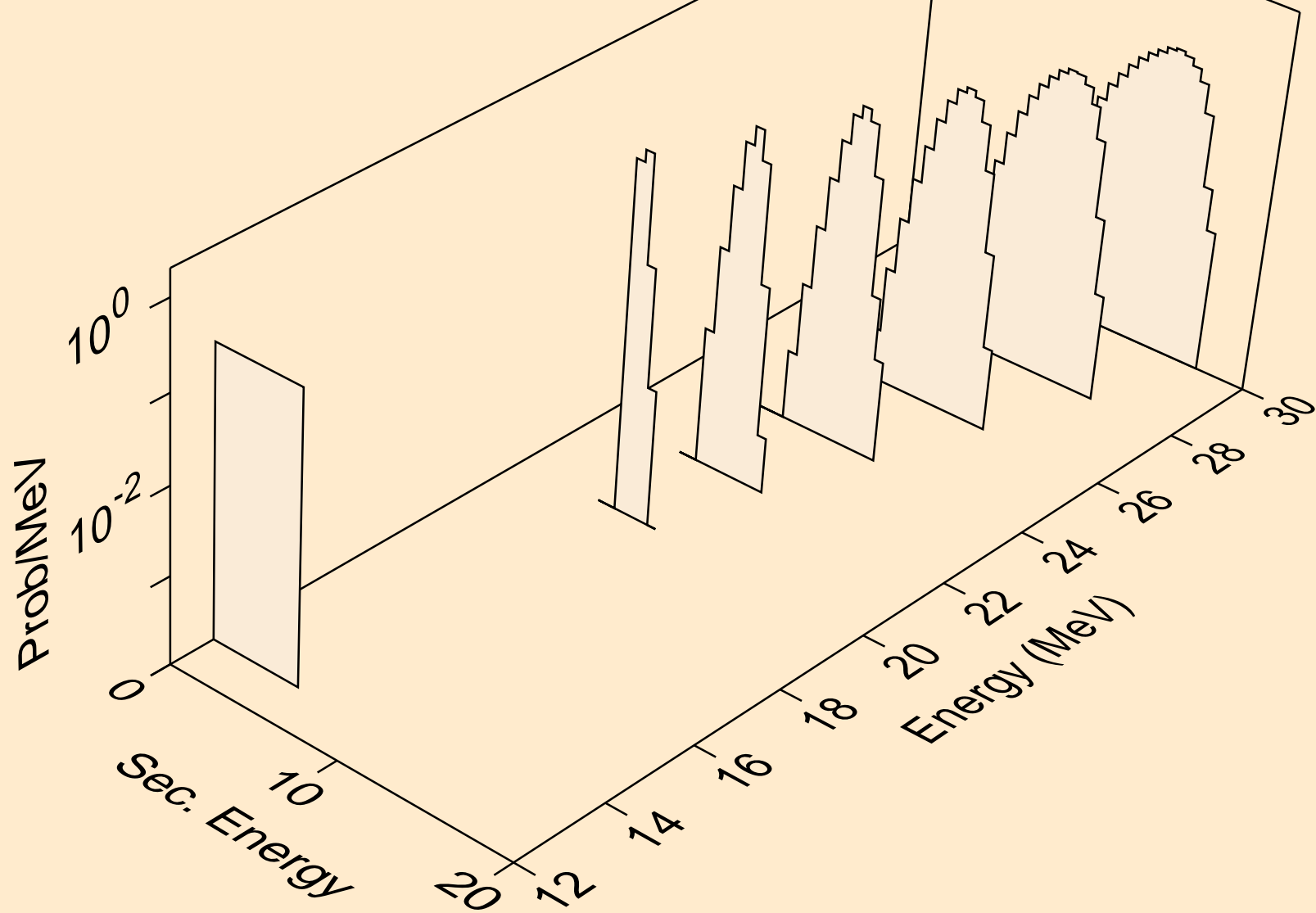
OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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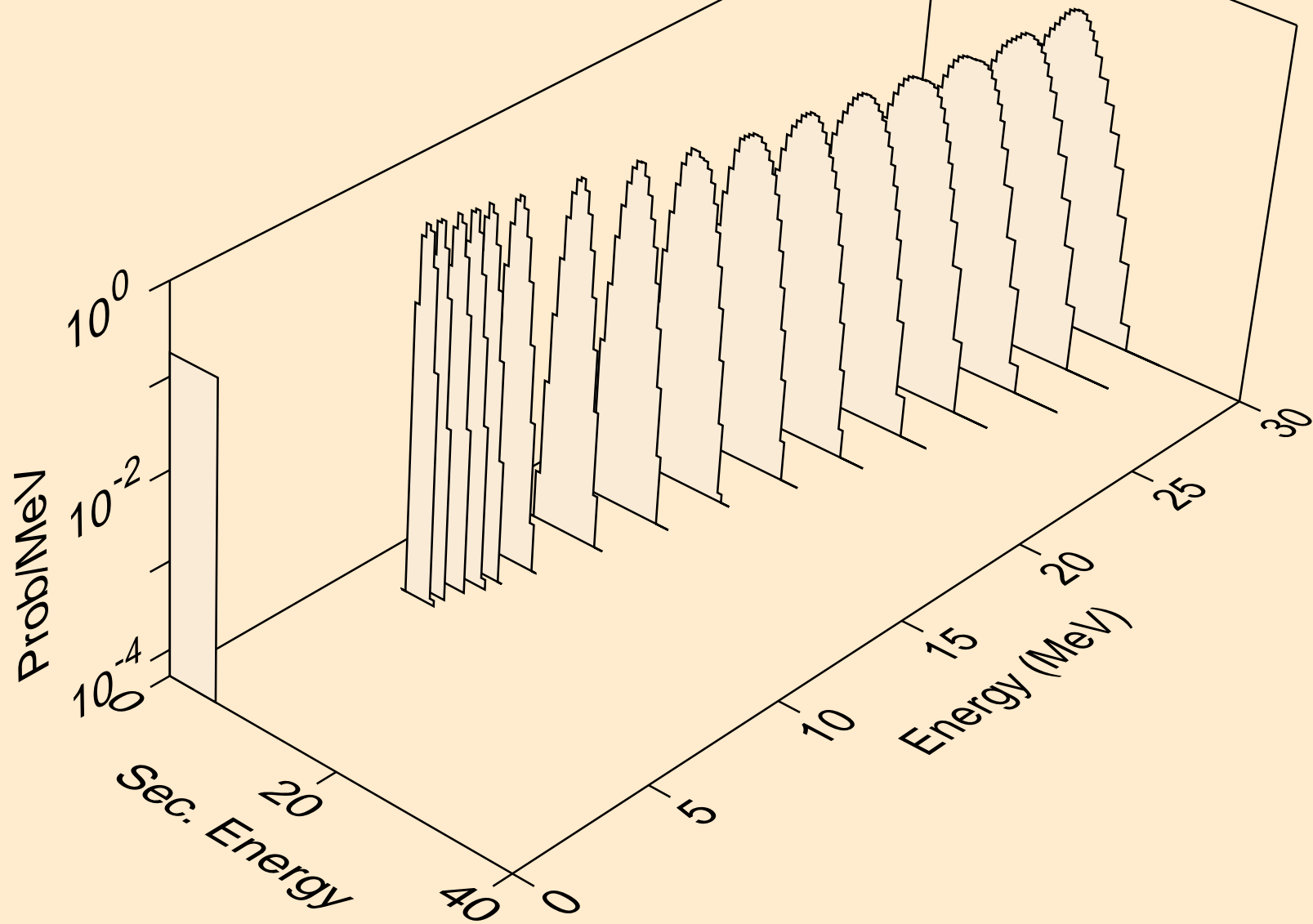


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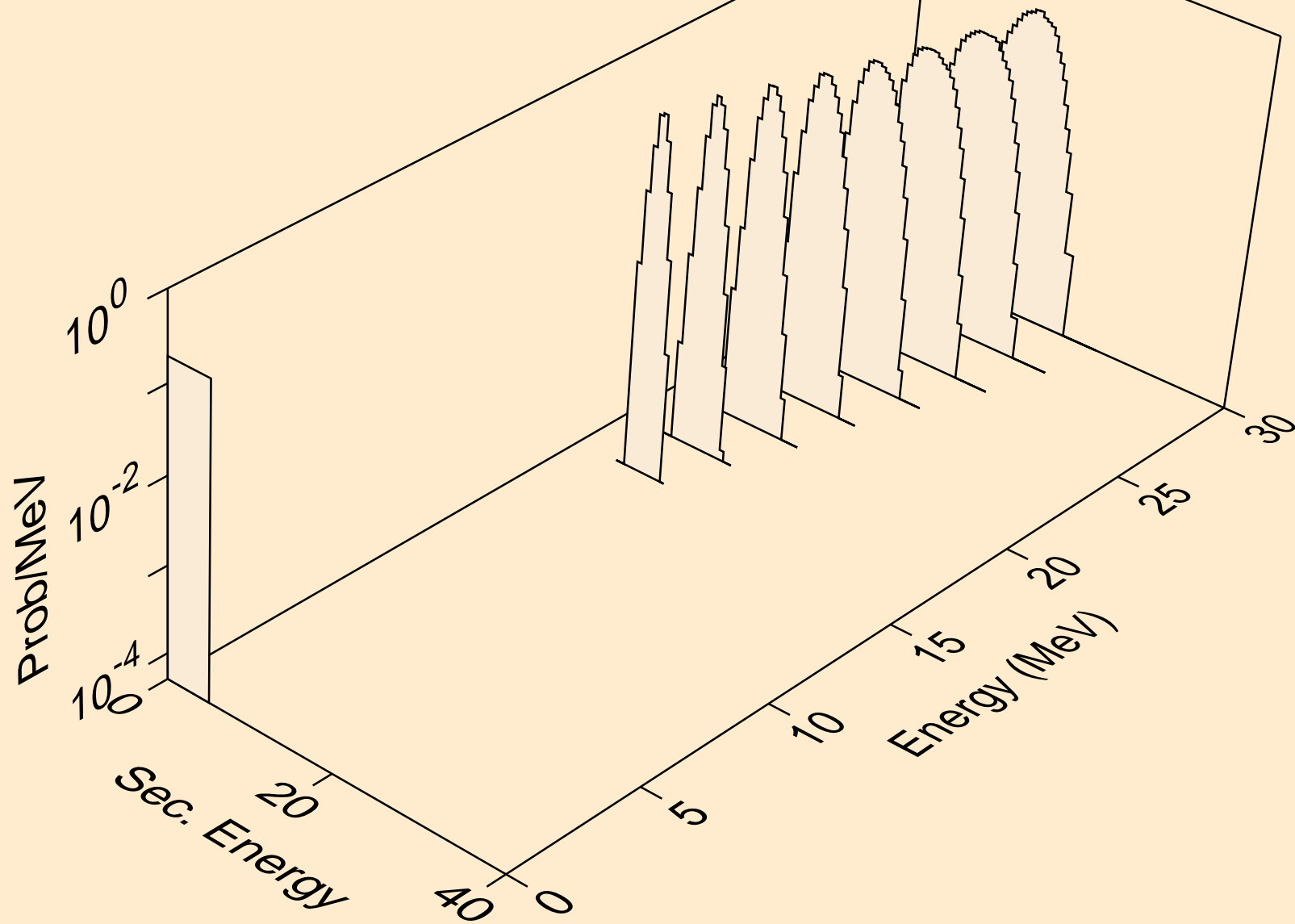




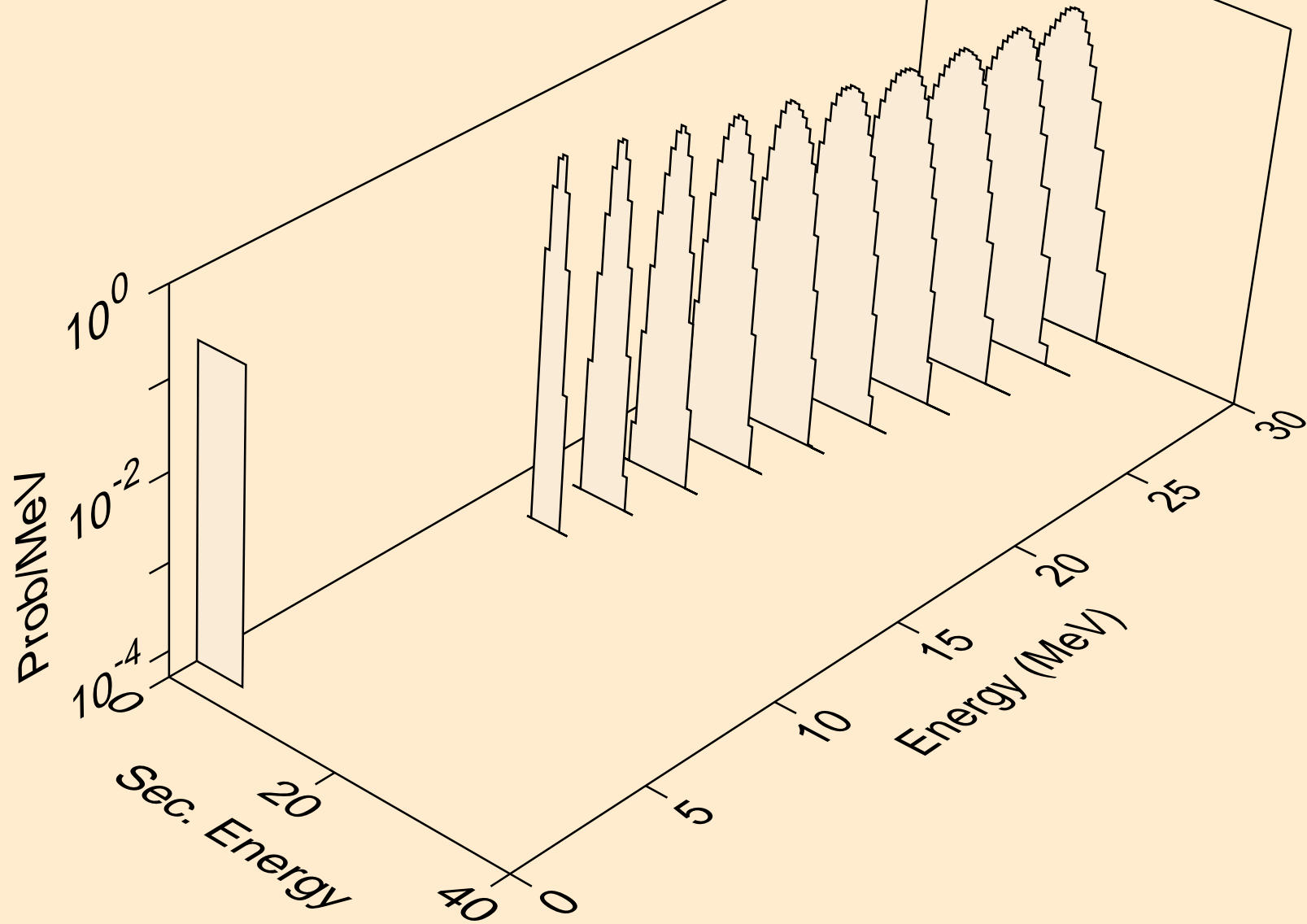
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alphas from (n,n\*)2a



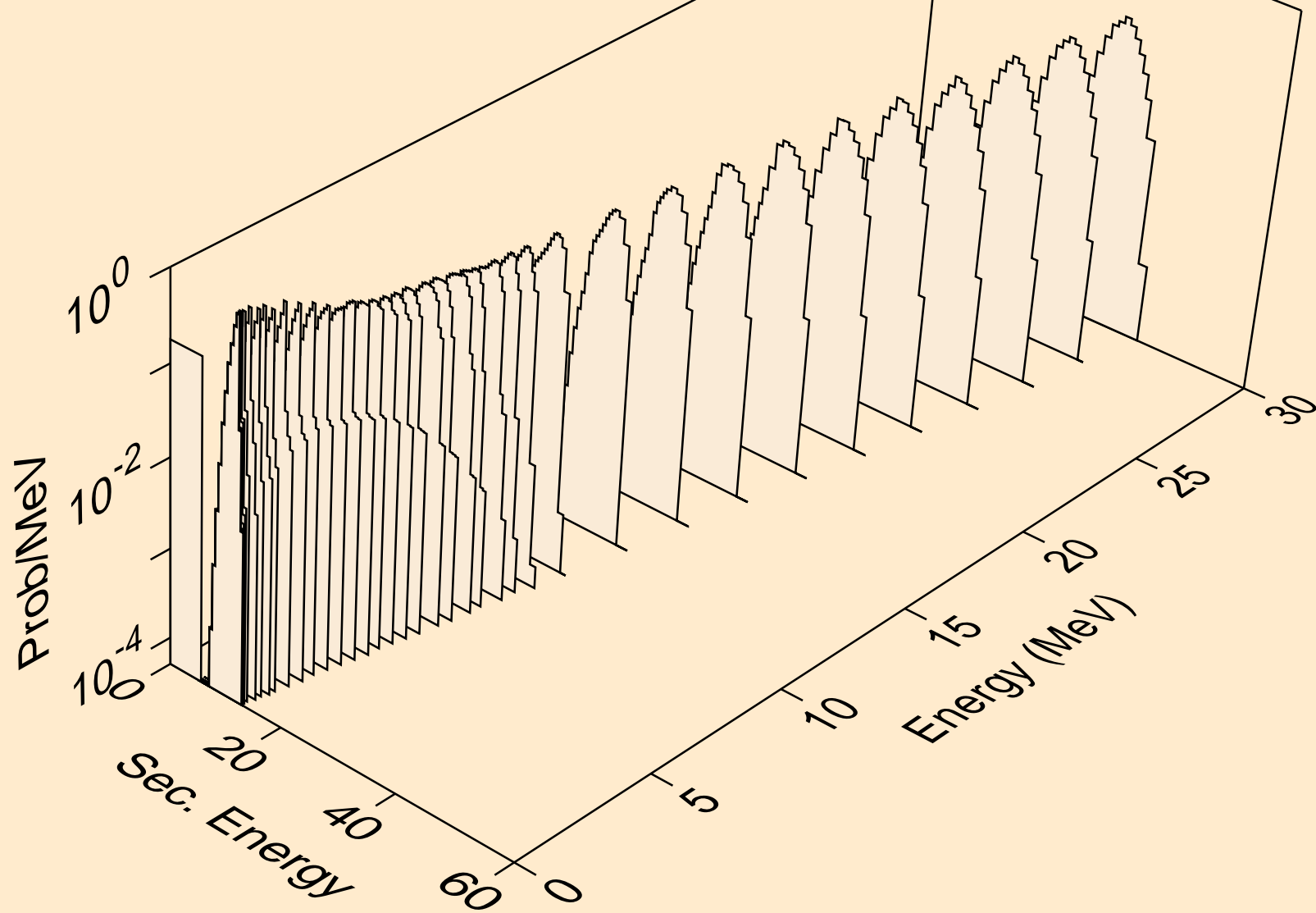
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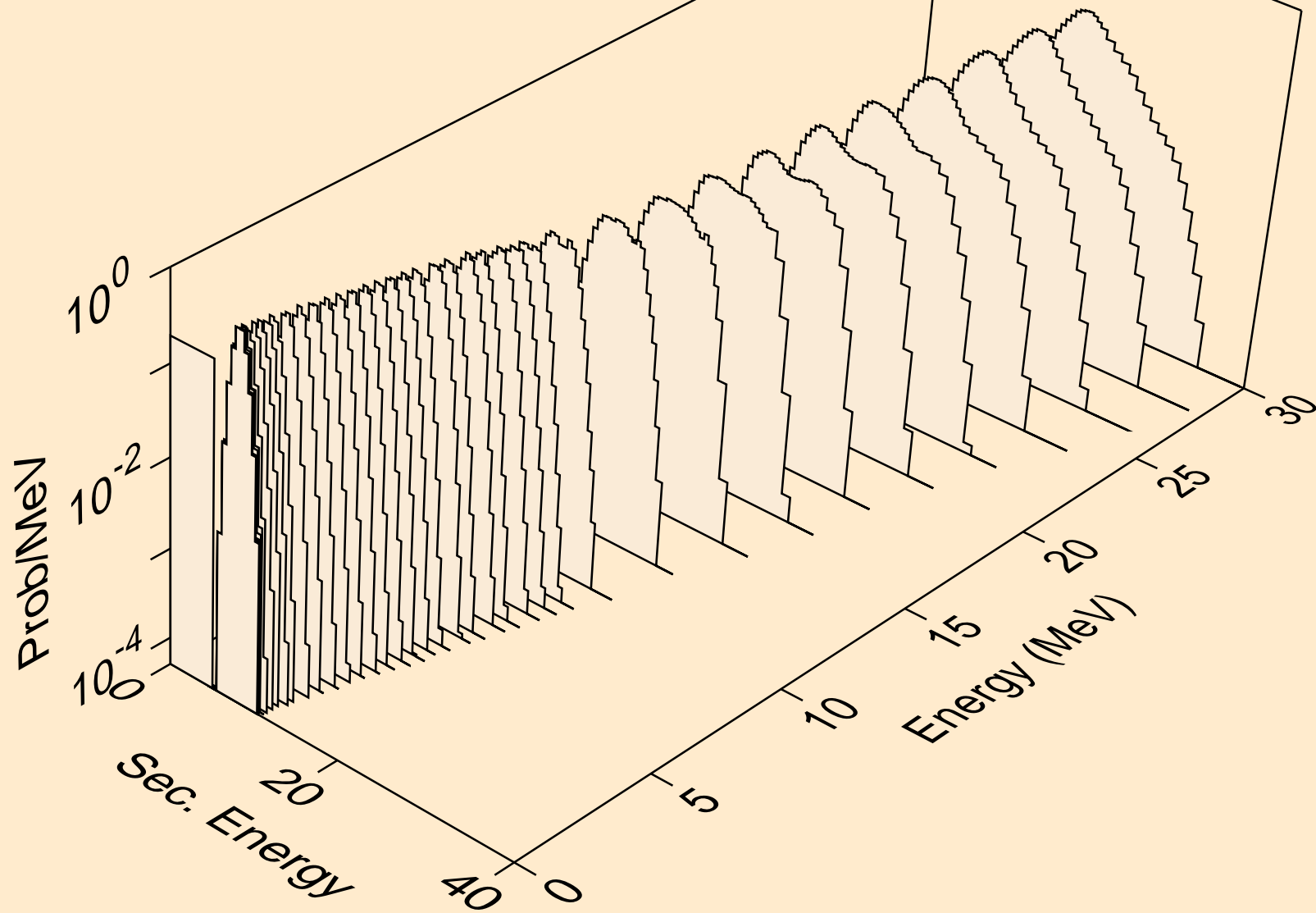
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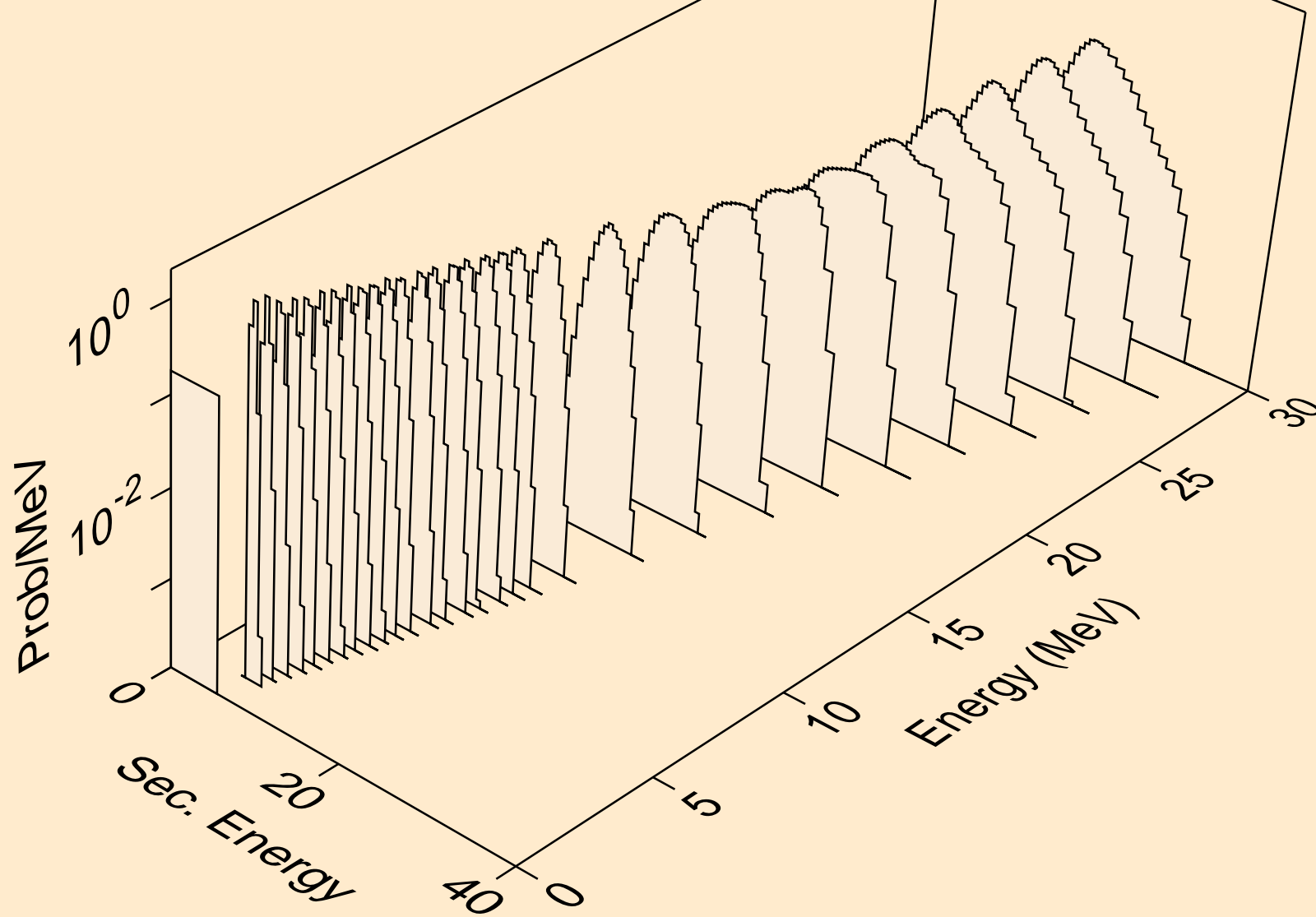
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alphas from (n,a)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



OS179 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

