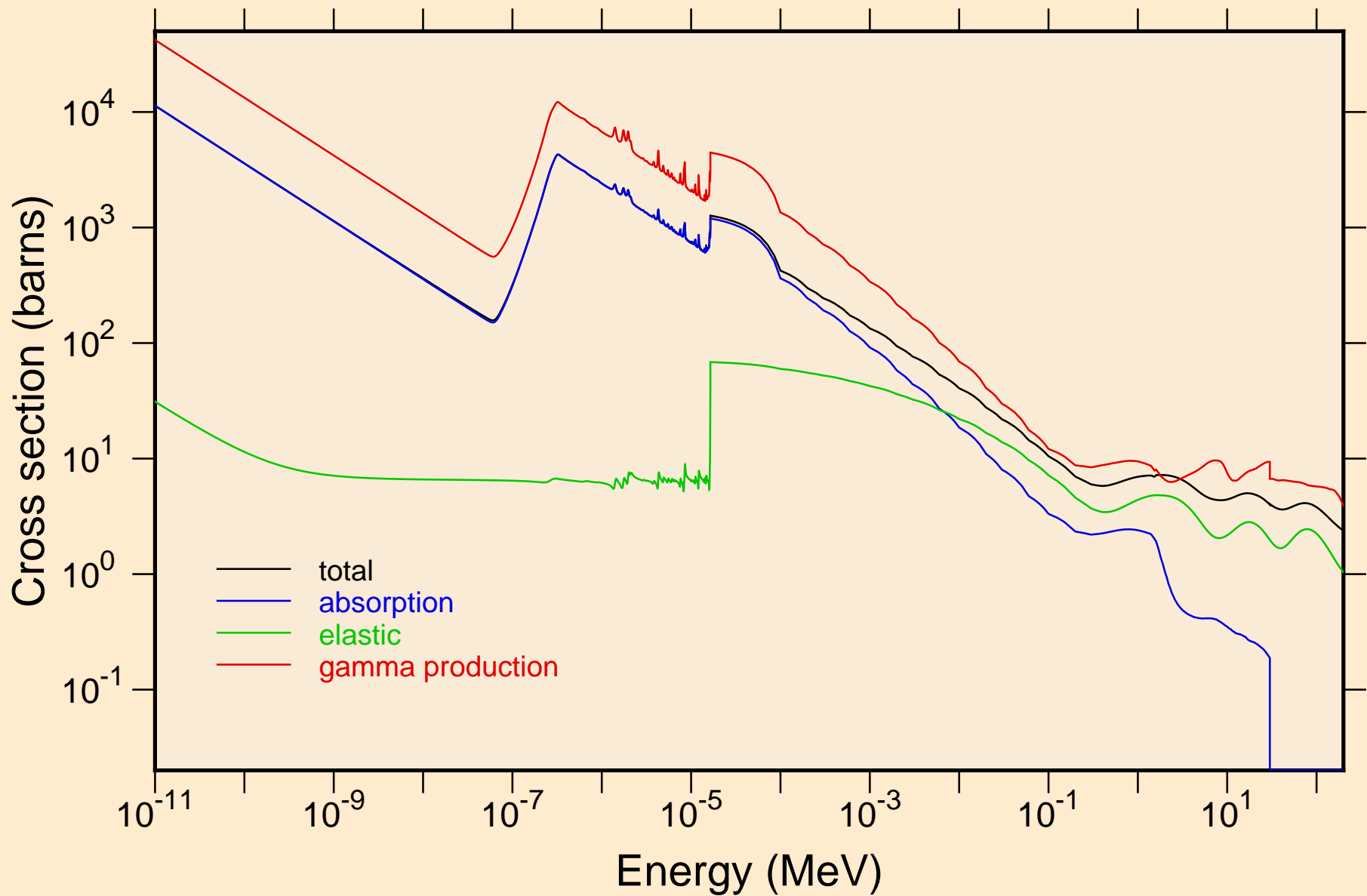
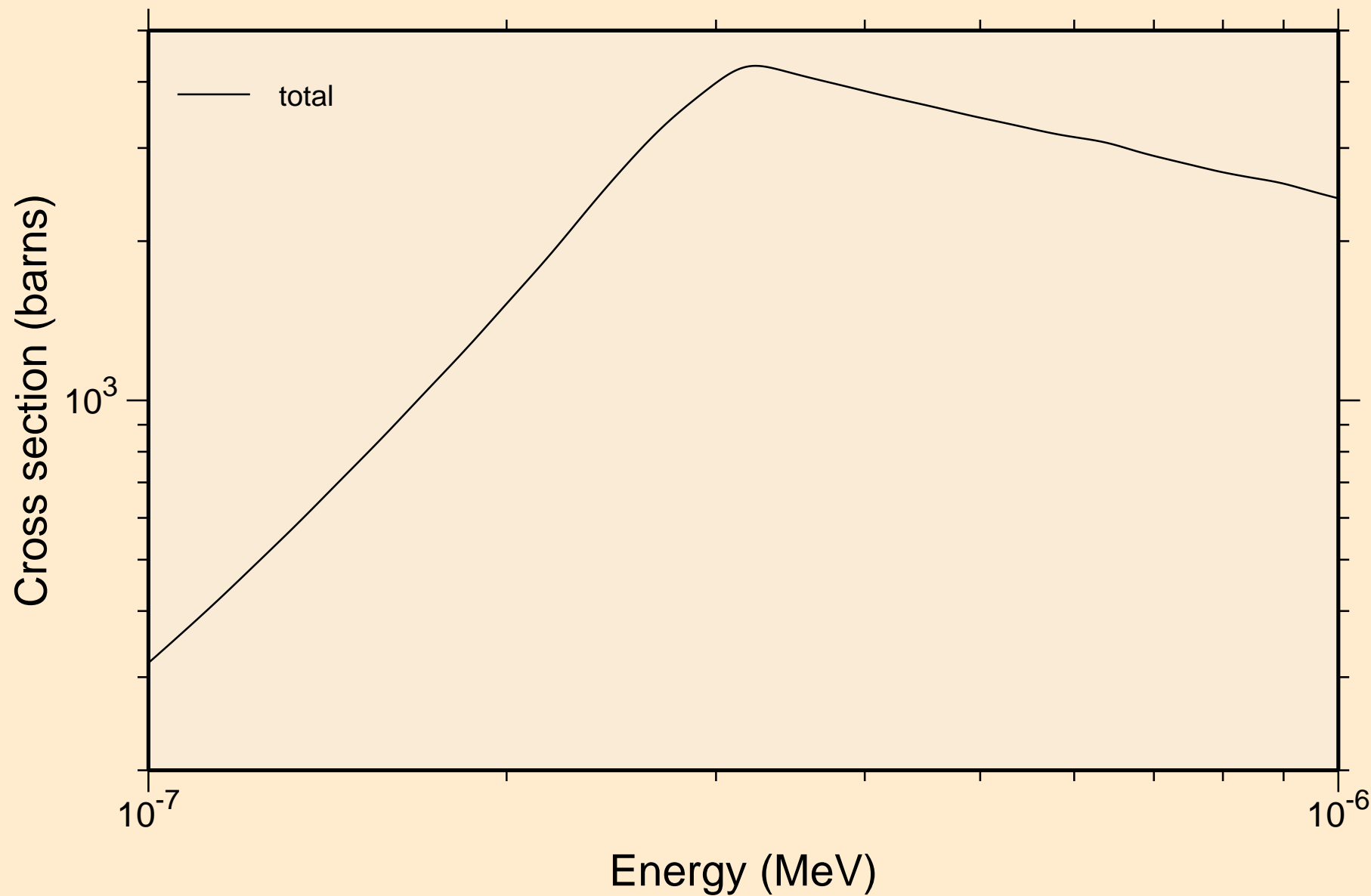


# HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

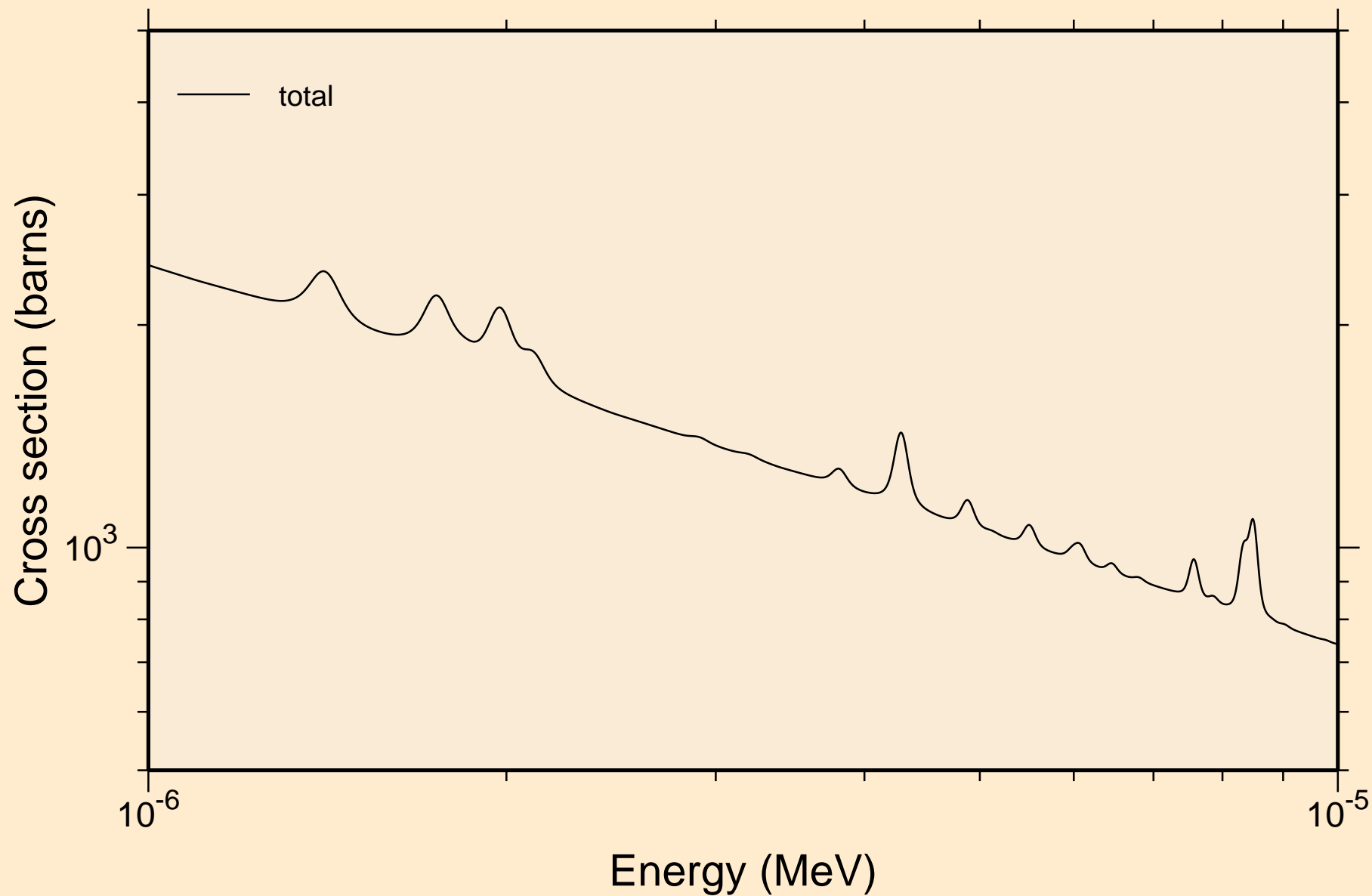
## Principal cross sections



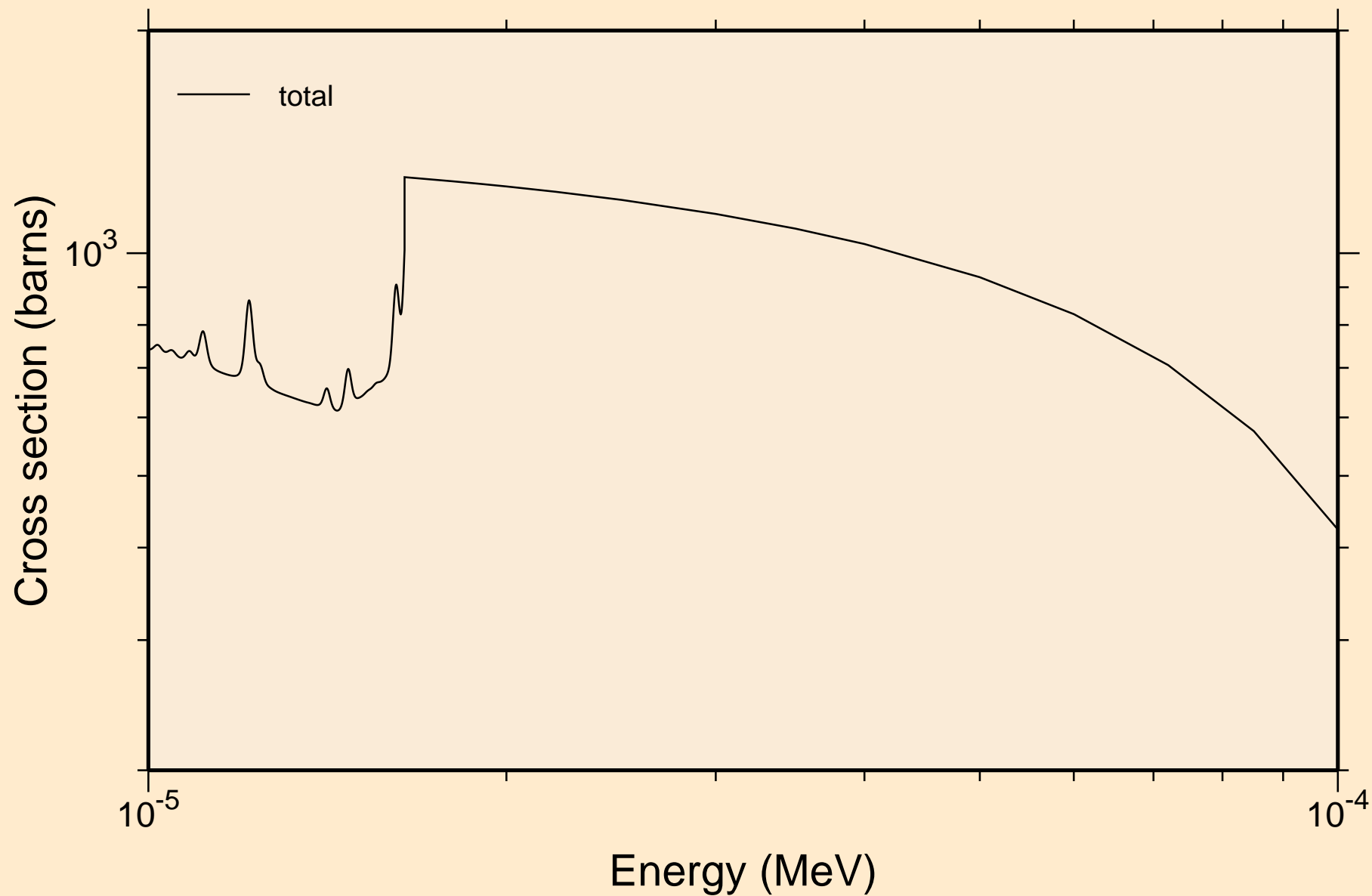
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



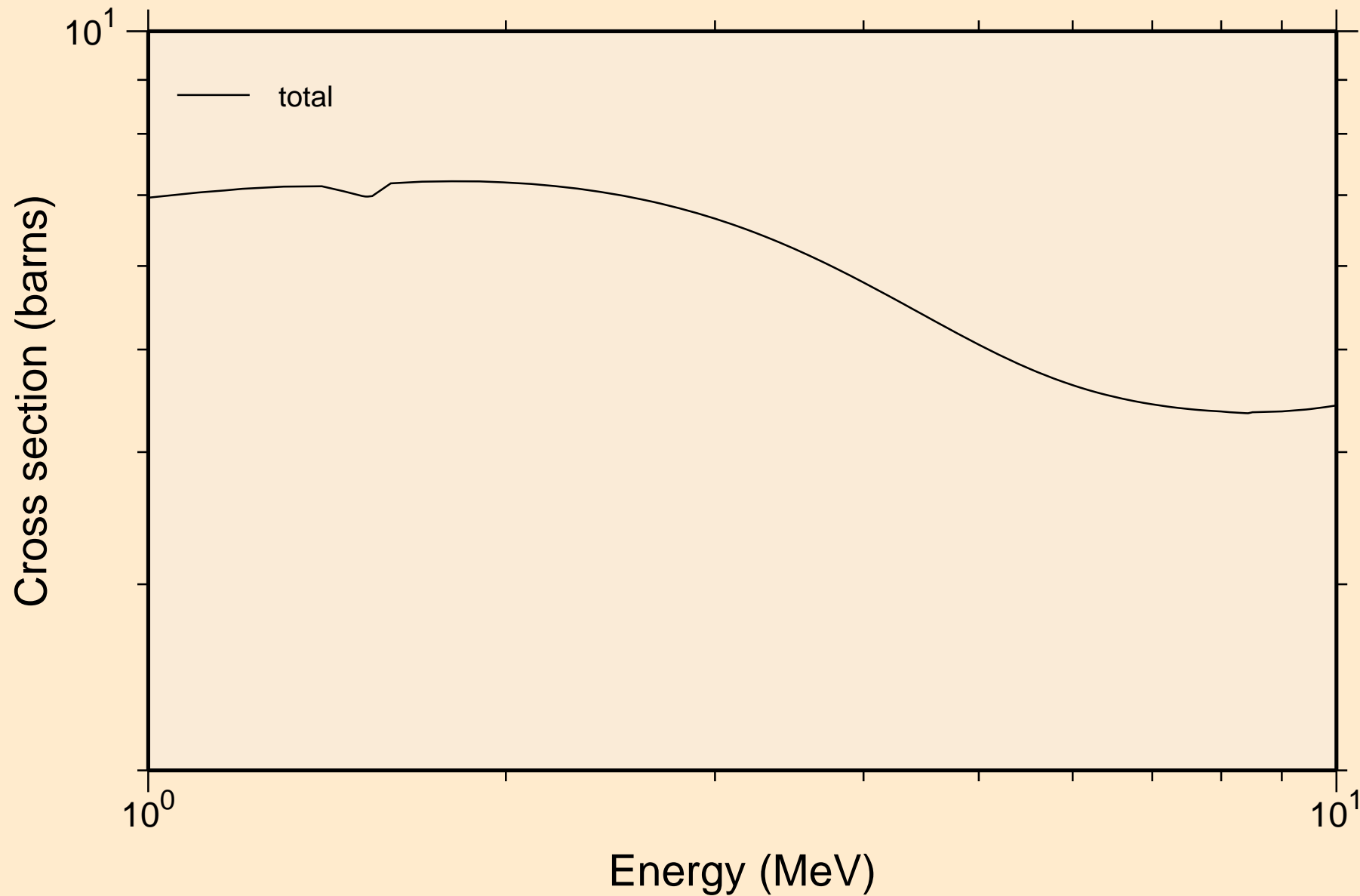
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



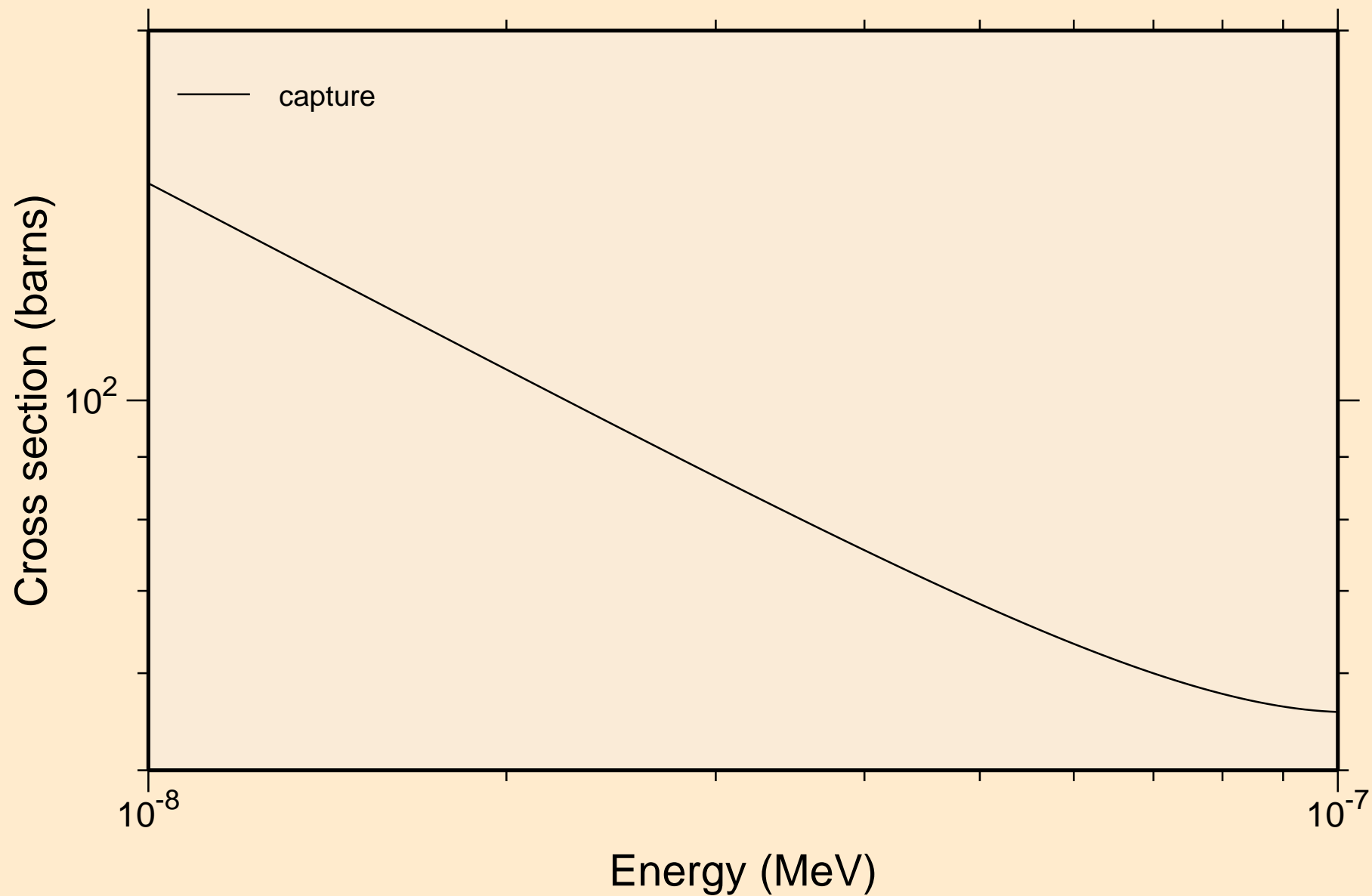
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



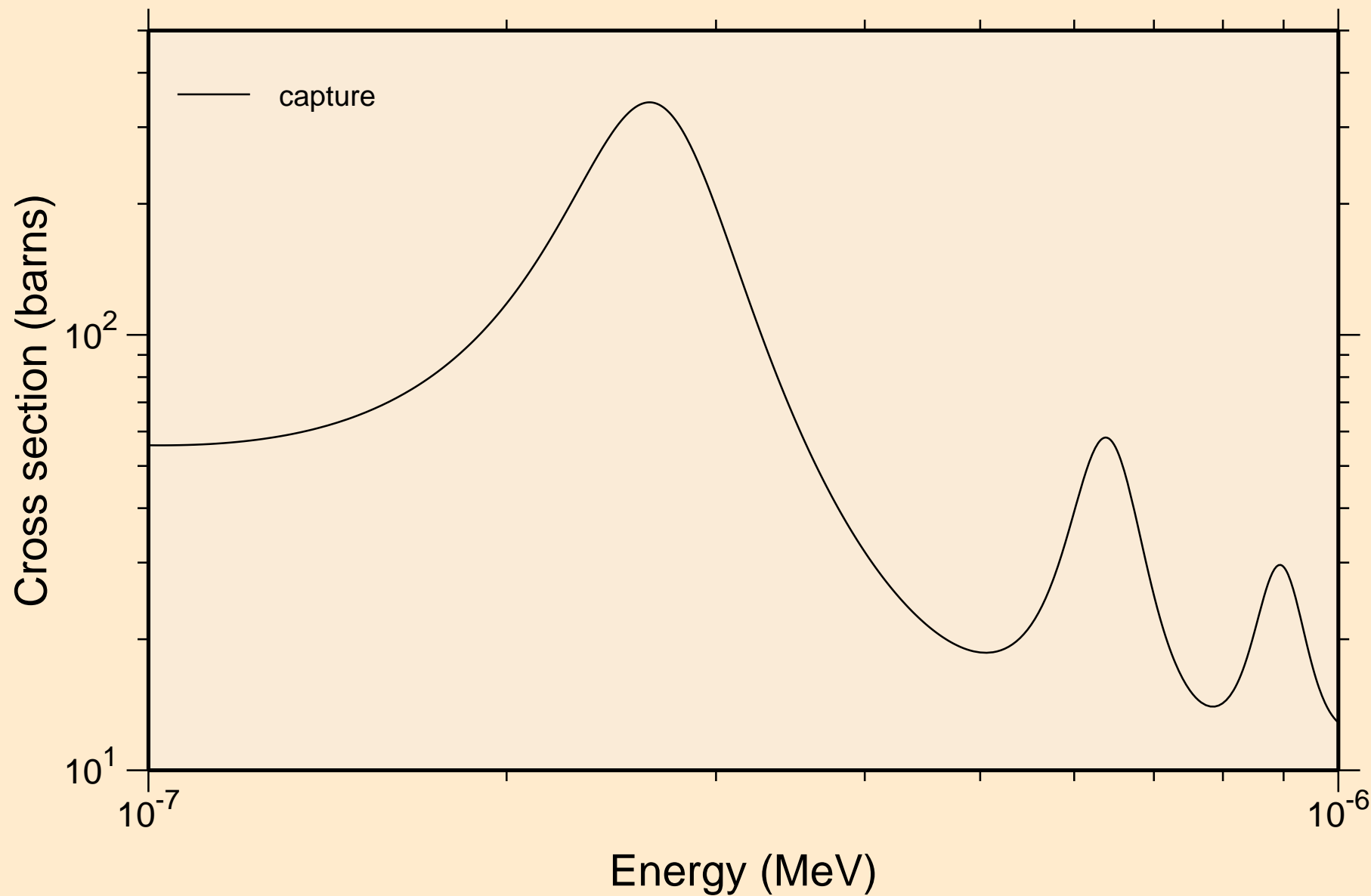
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



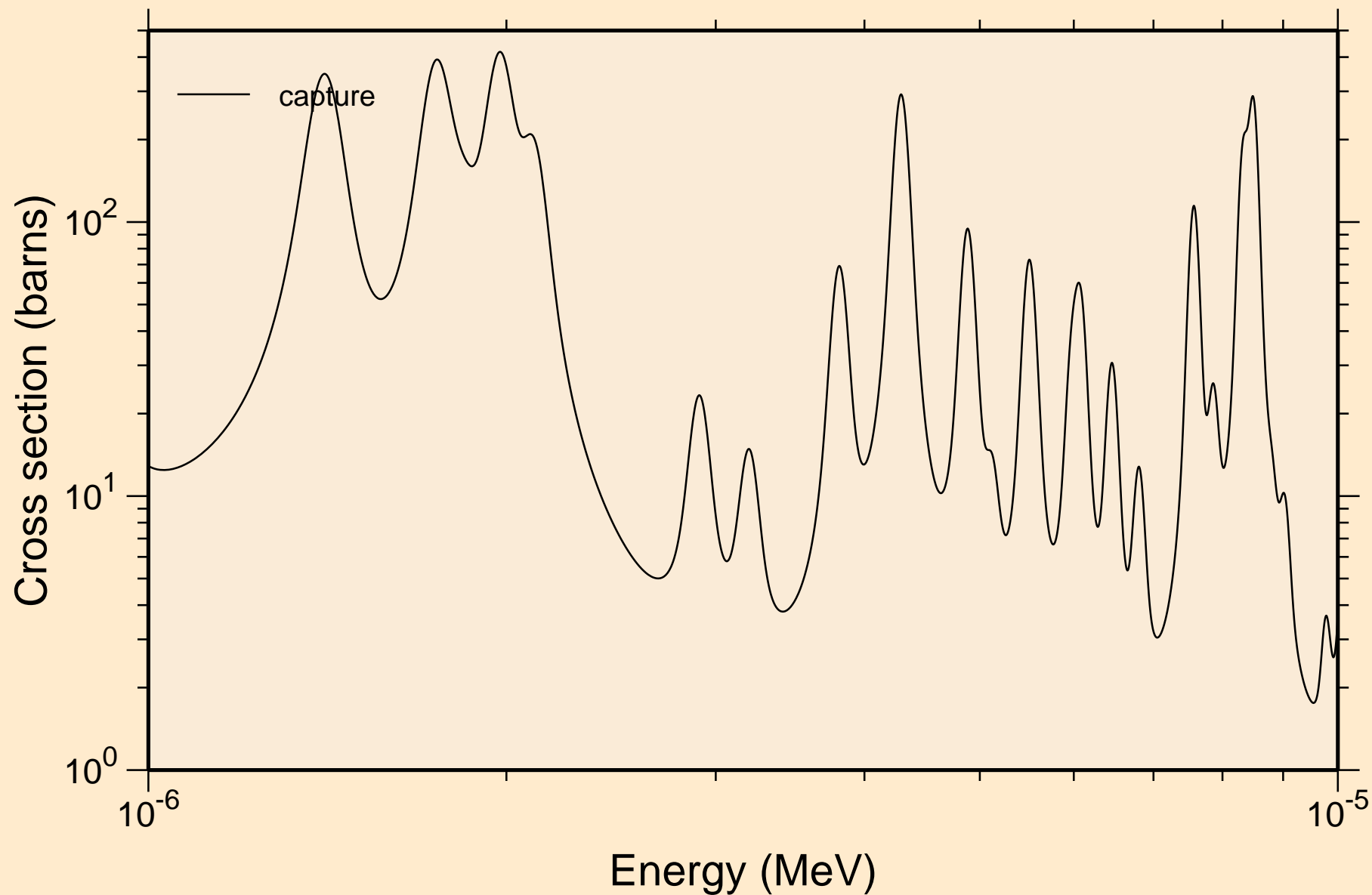
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

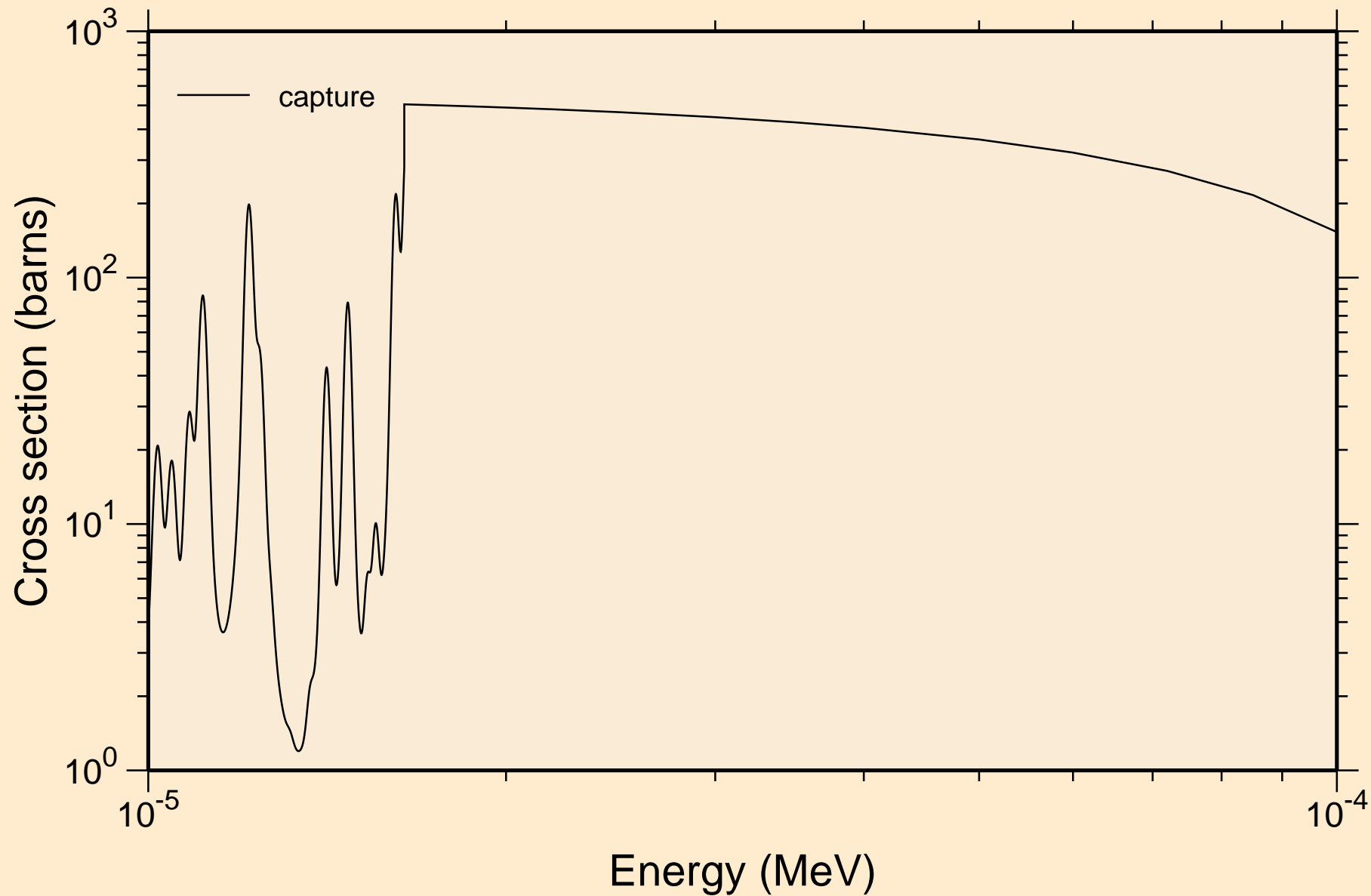


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

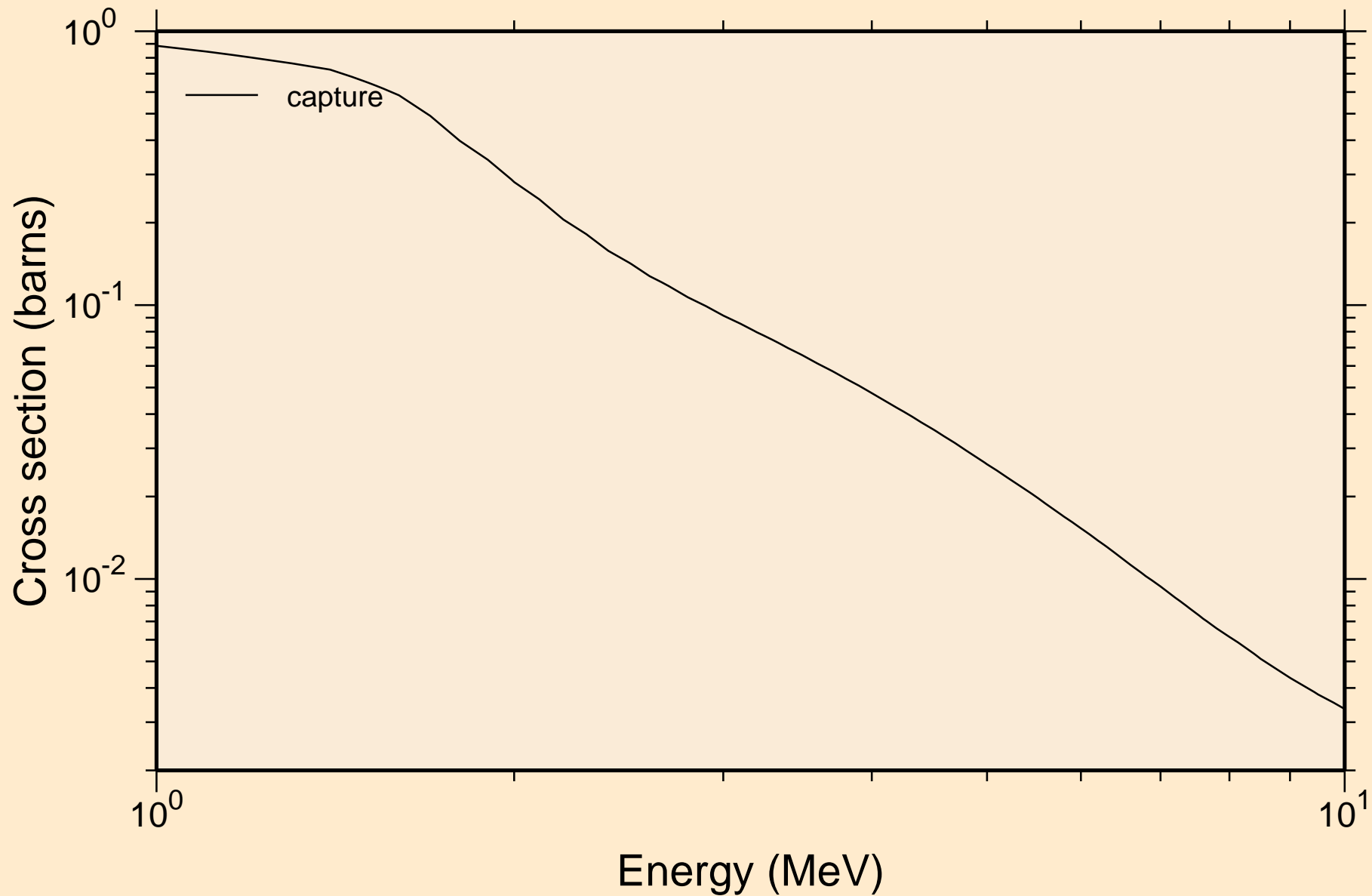




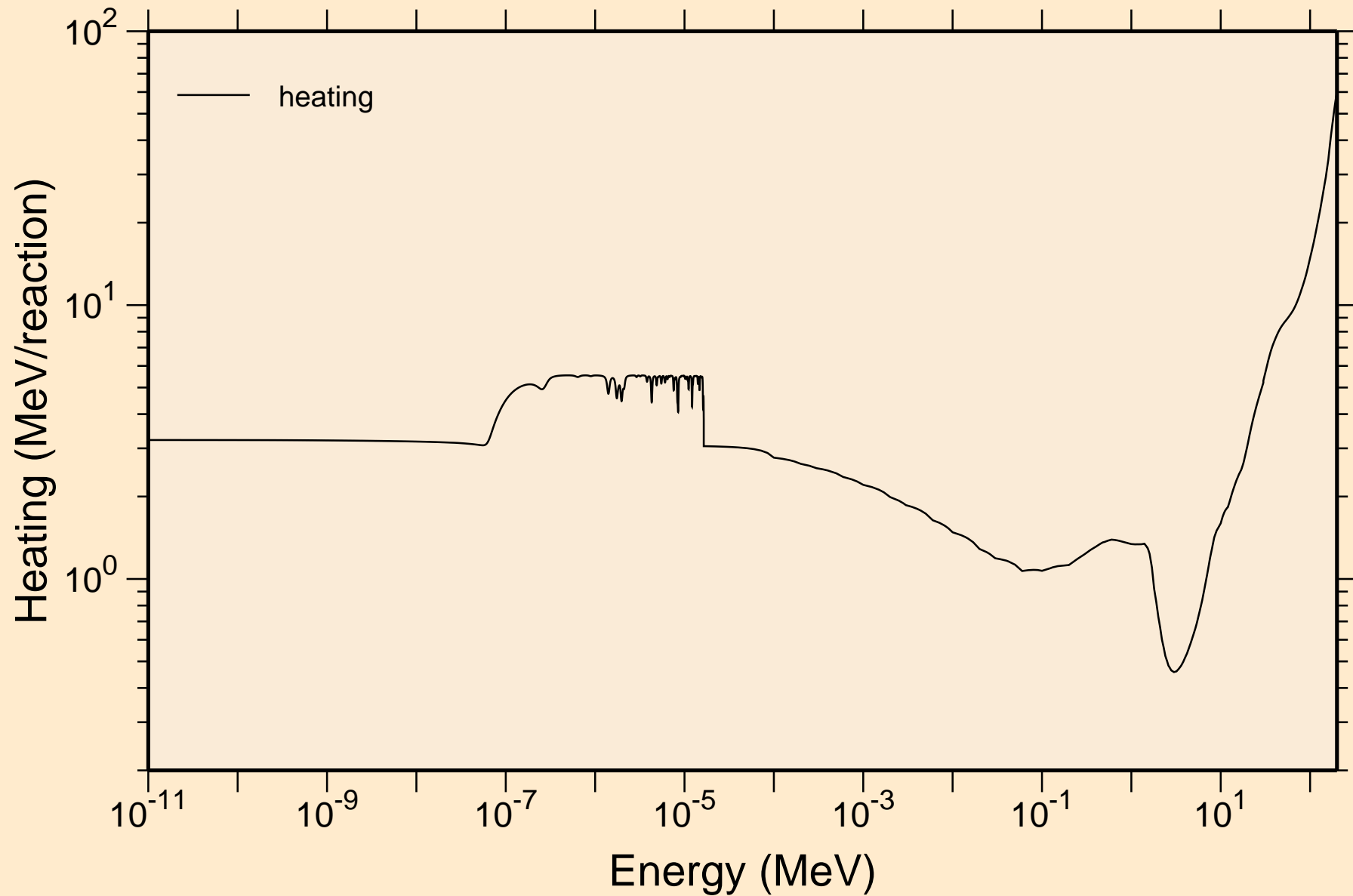
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



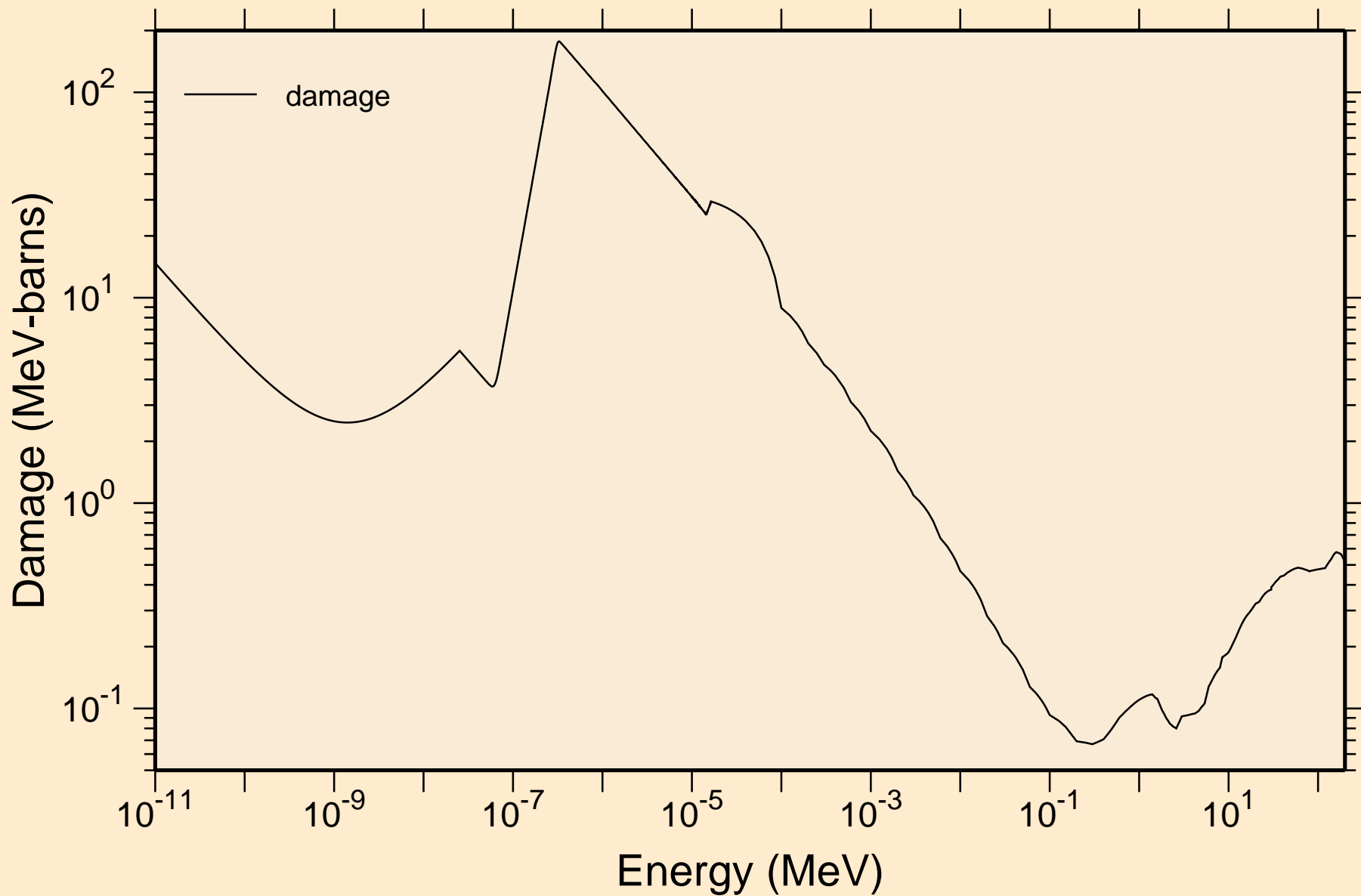
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

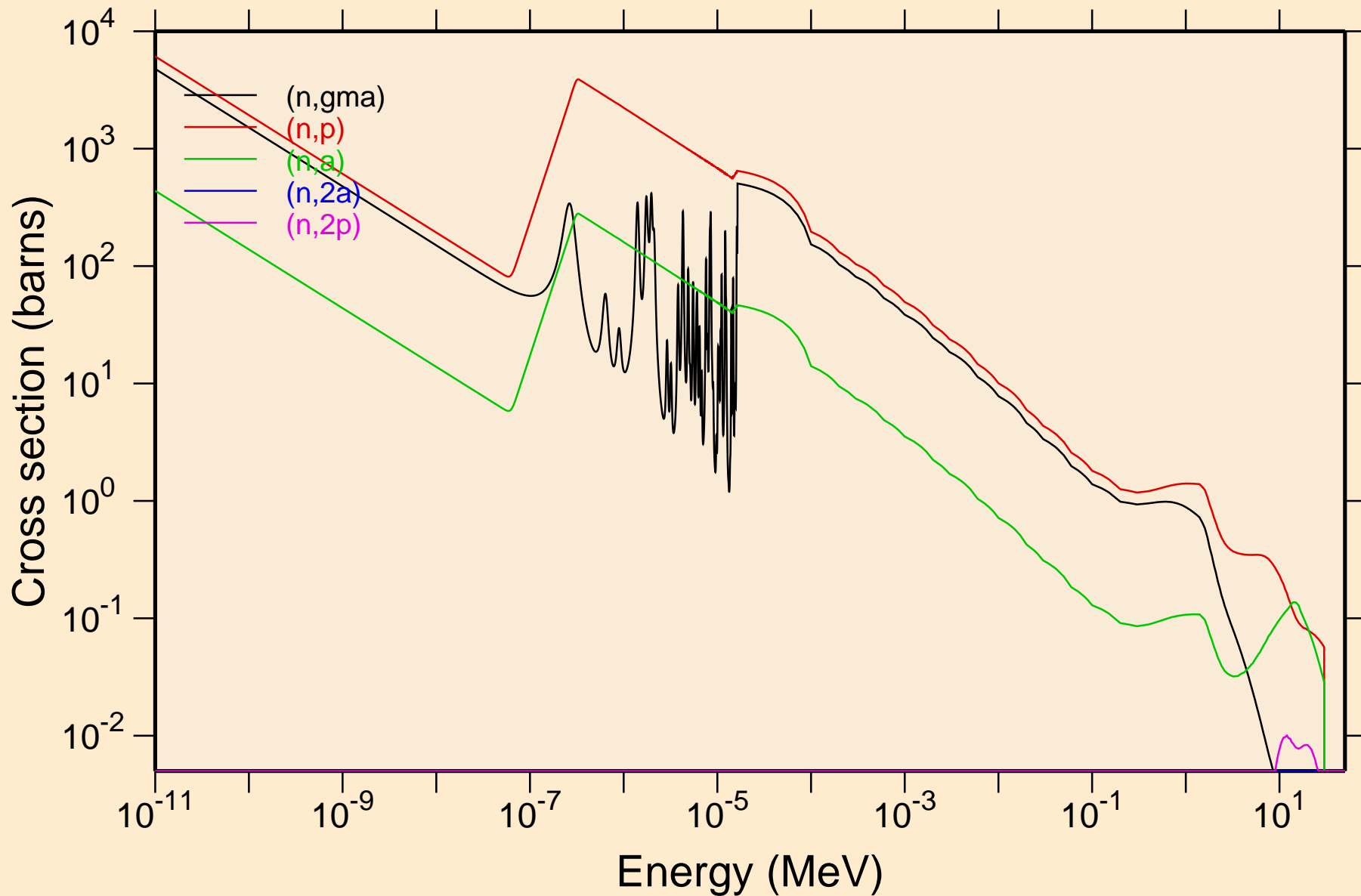


# HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

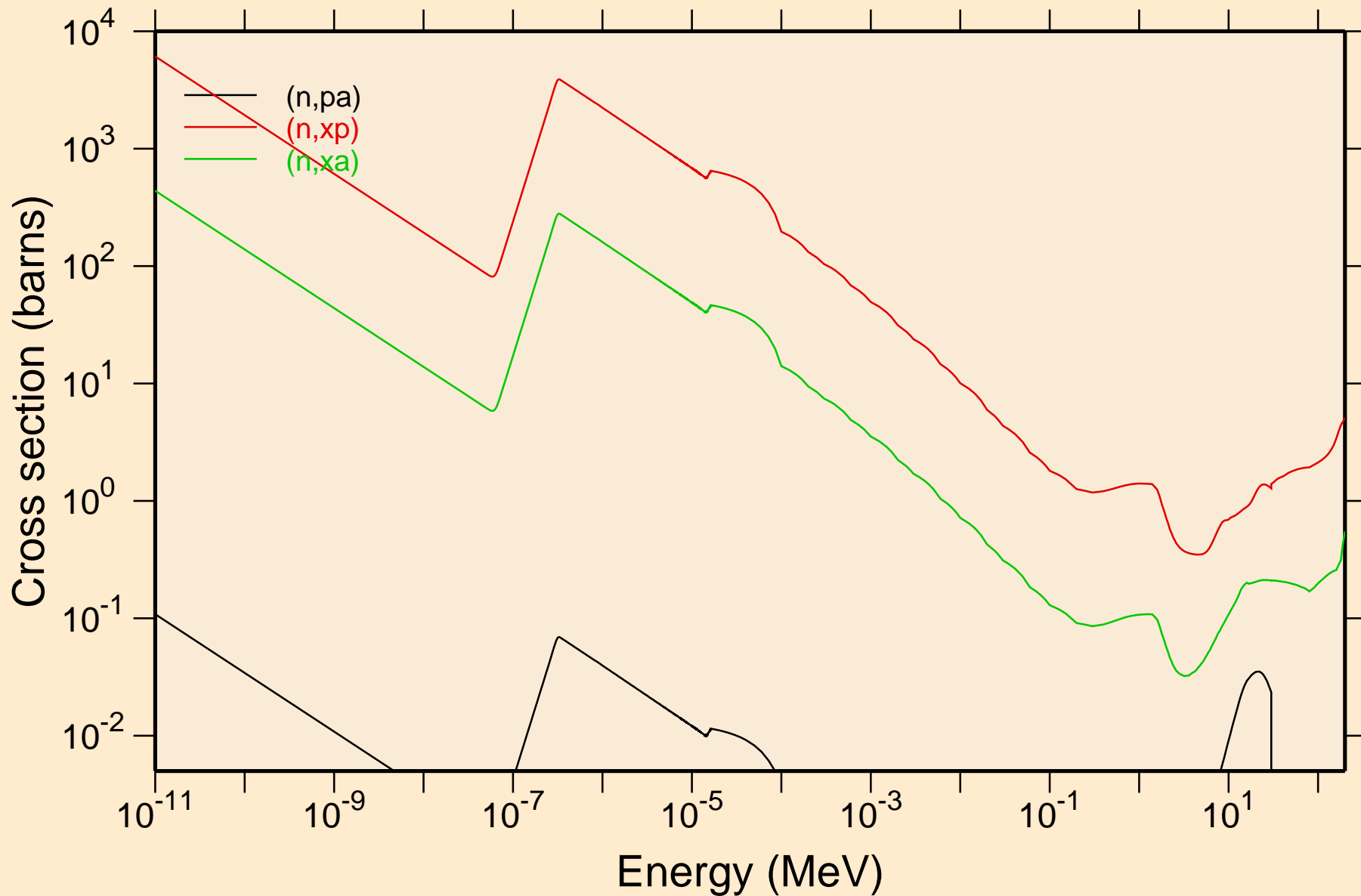


# HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

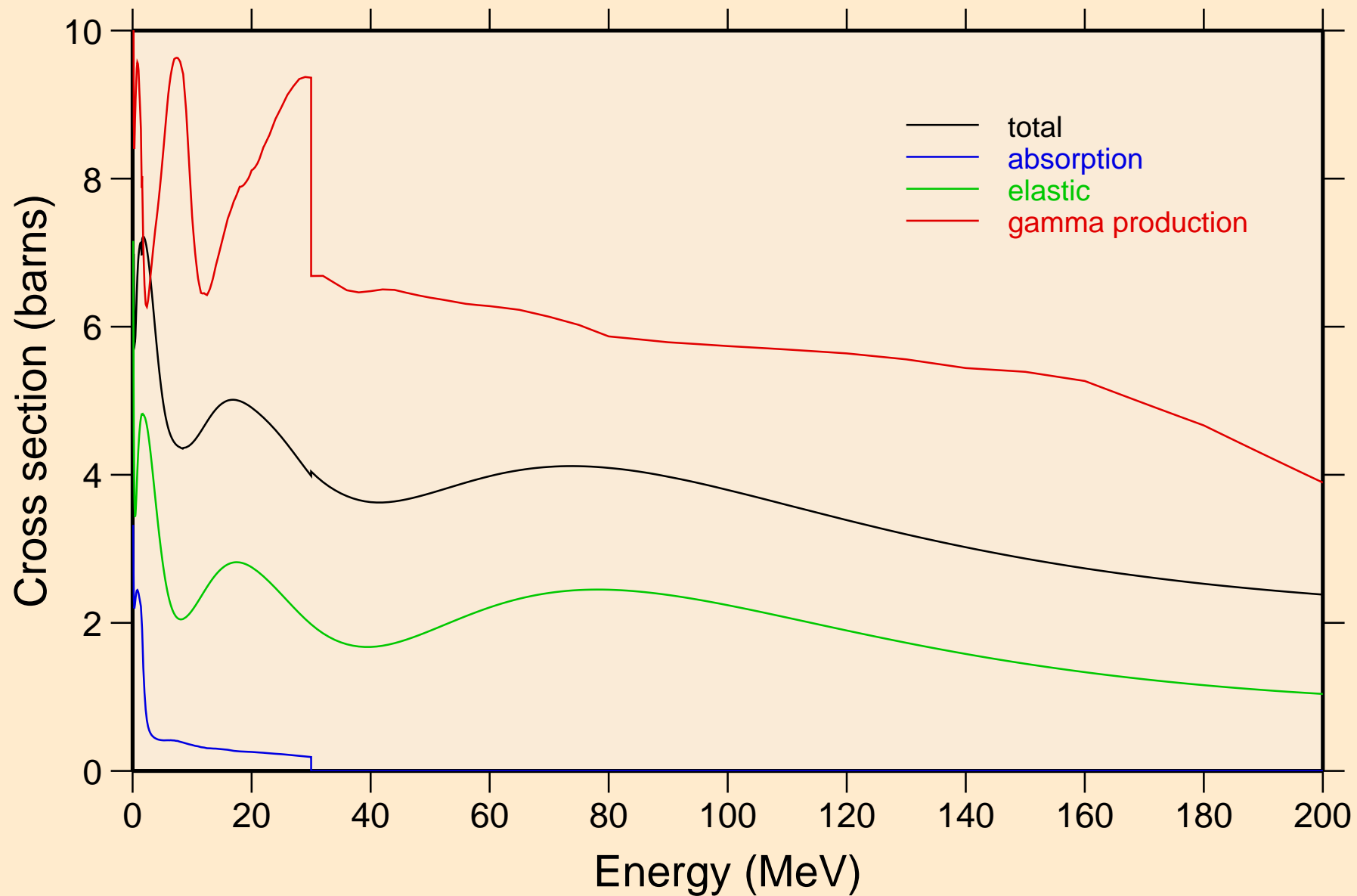
## Non-threshold reactions



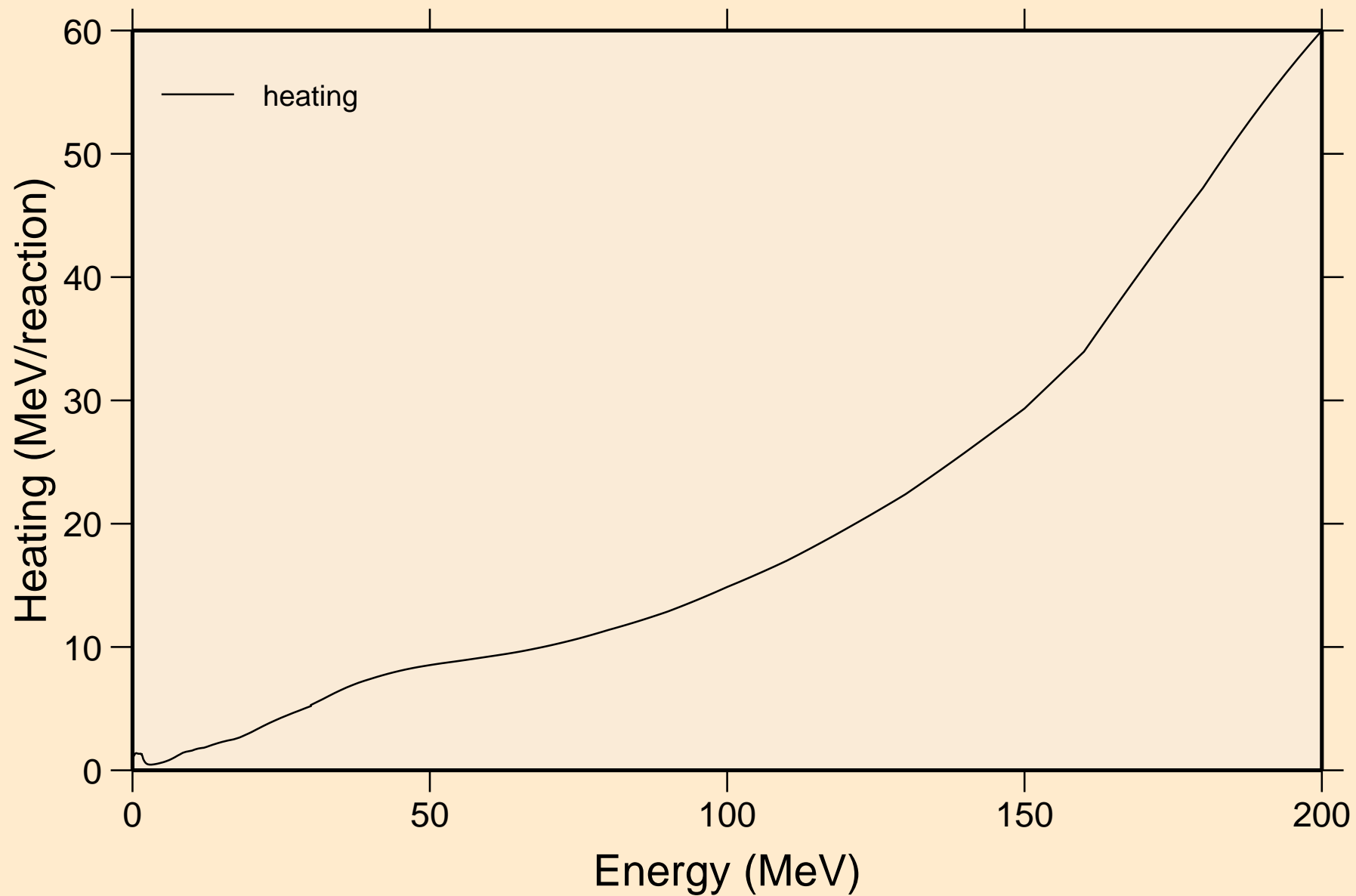
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

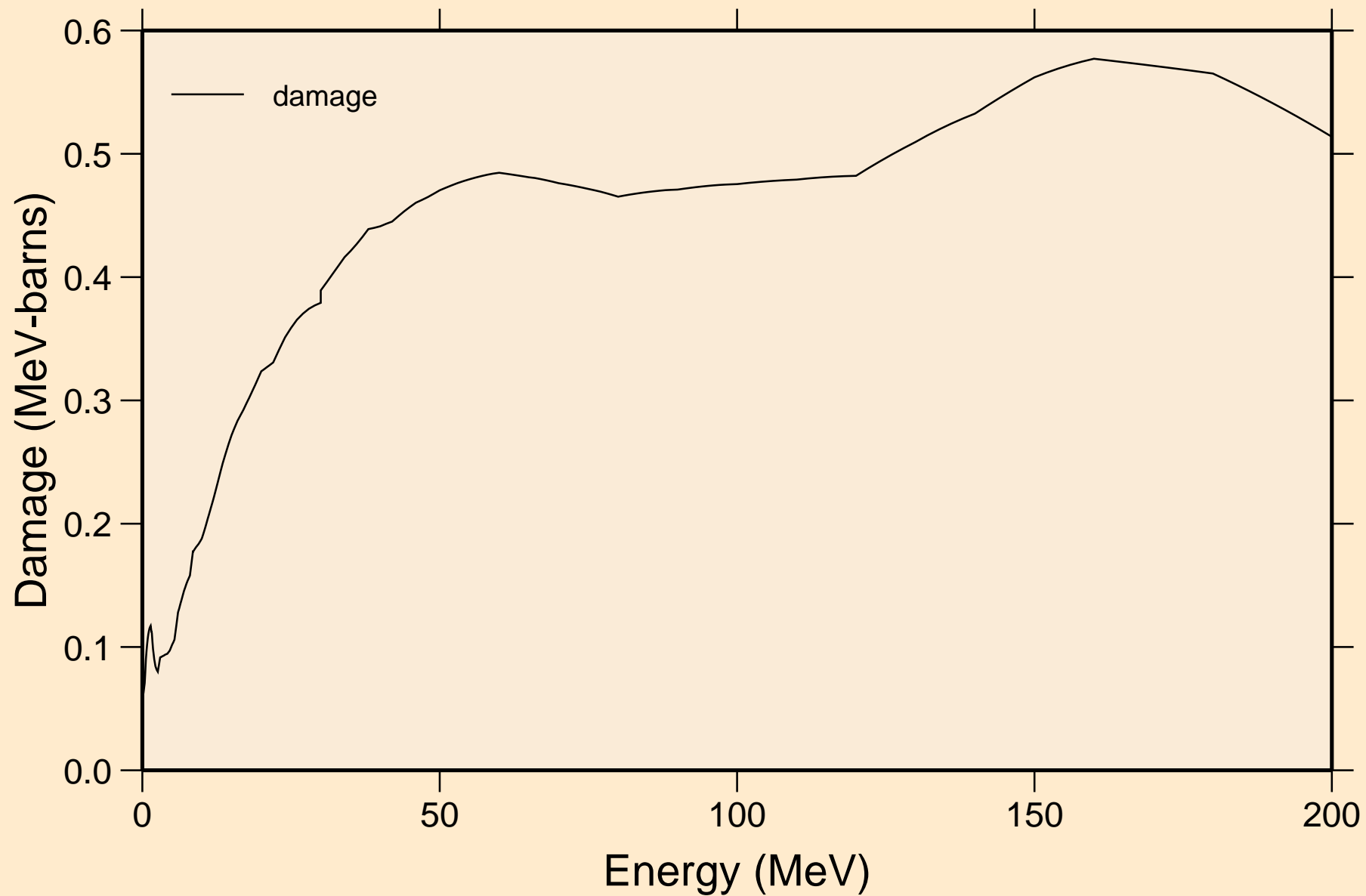


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

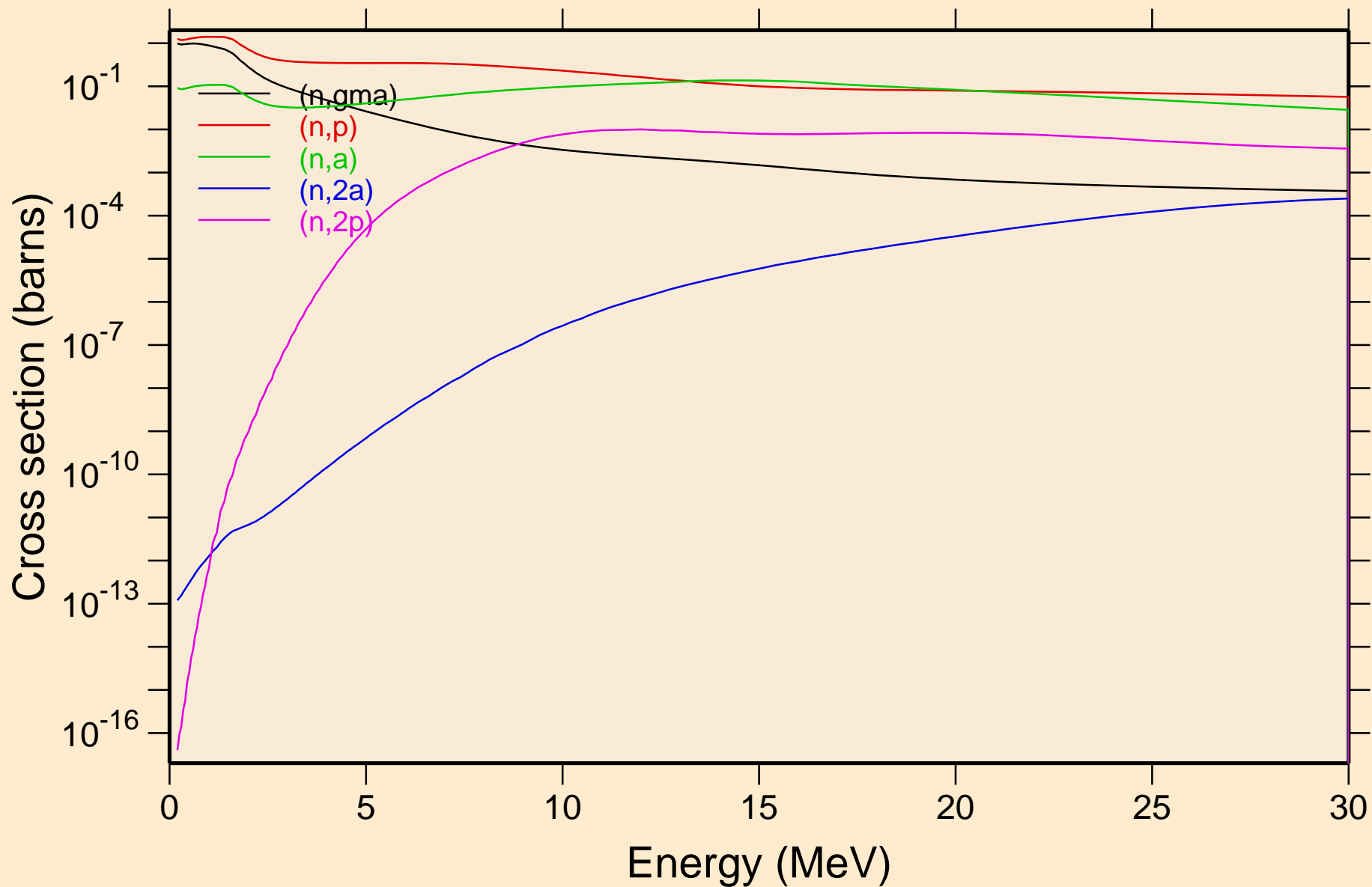




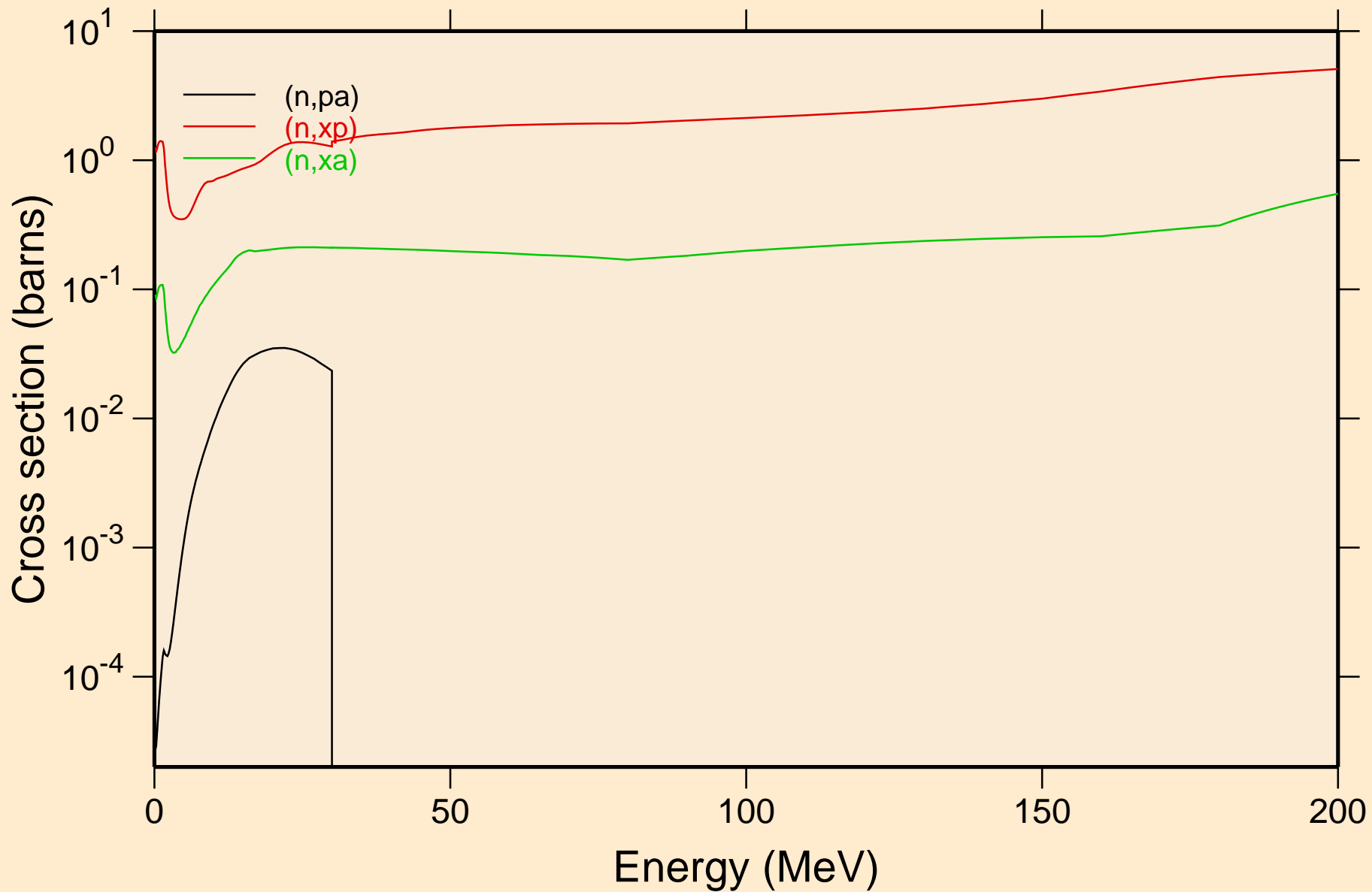
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



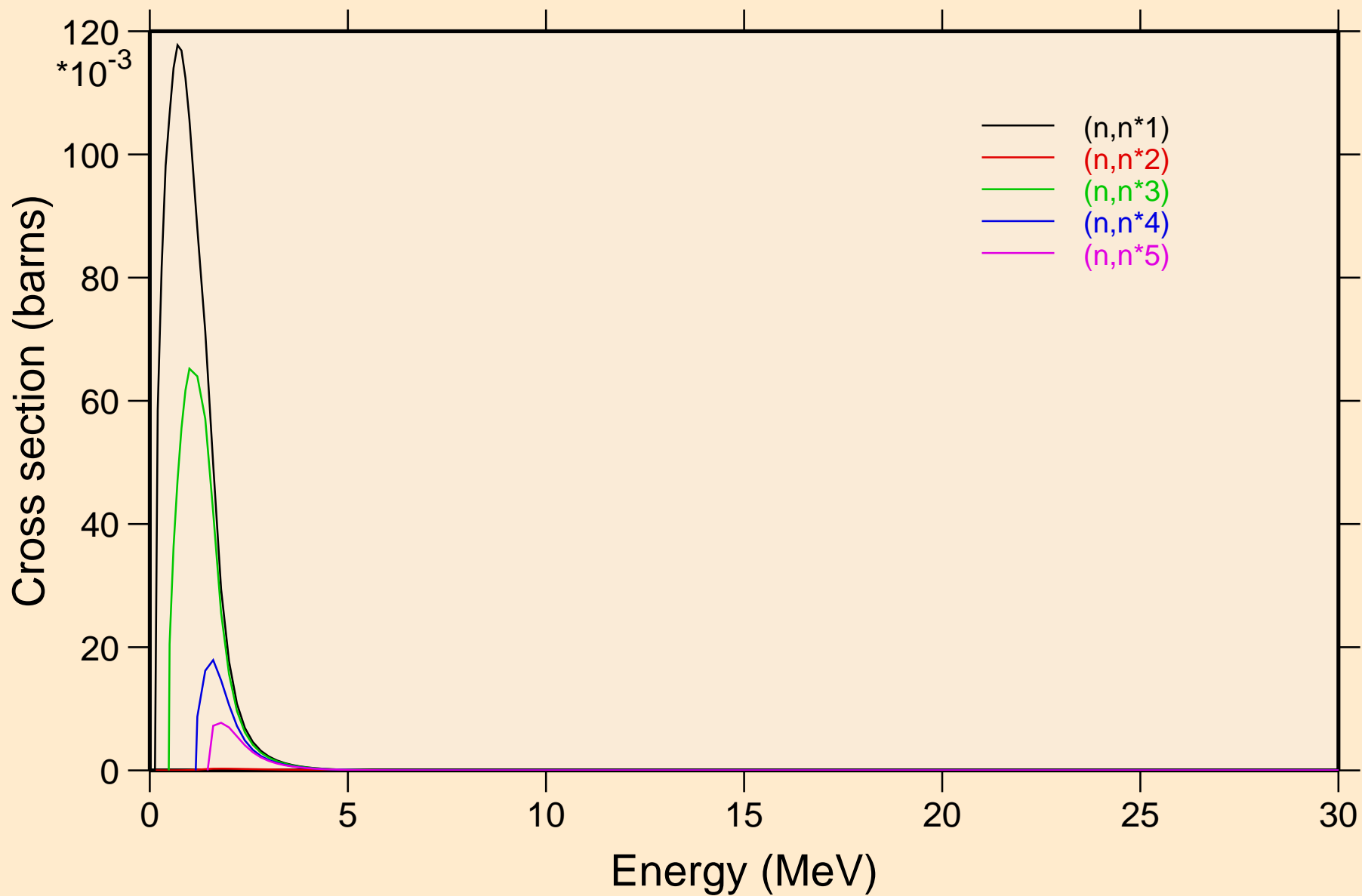
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



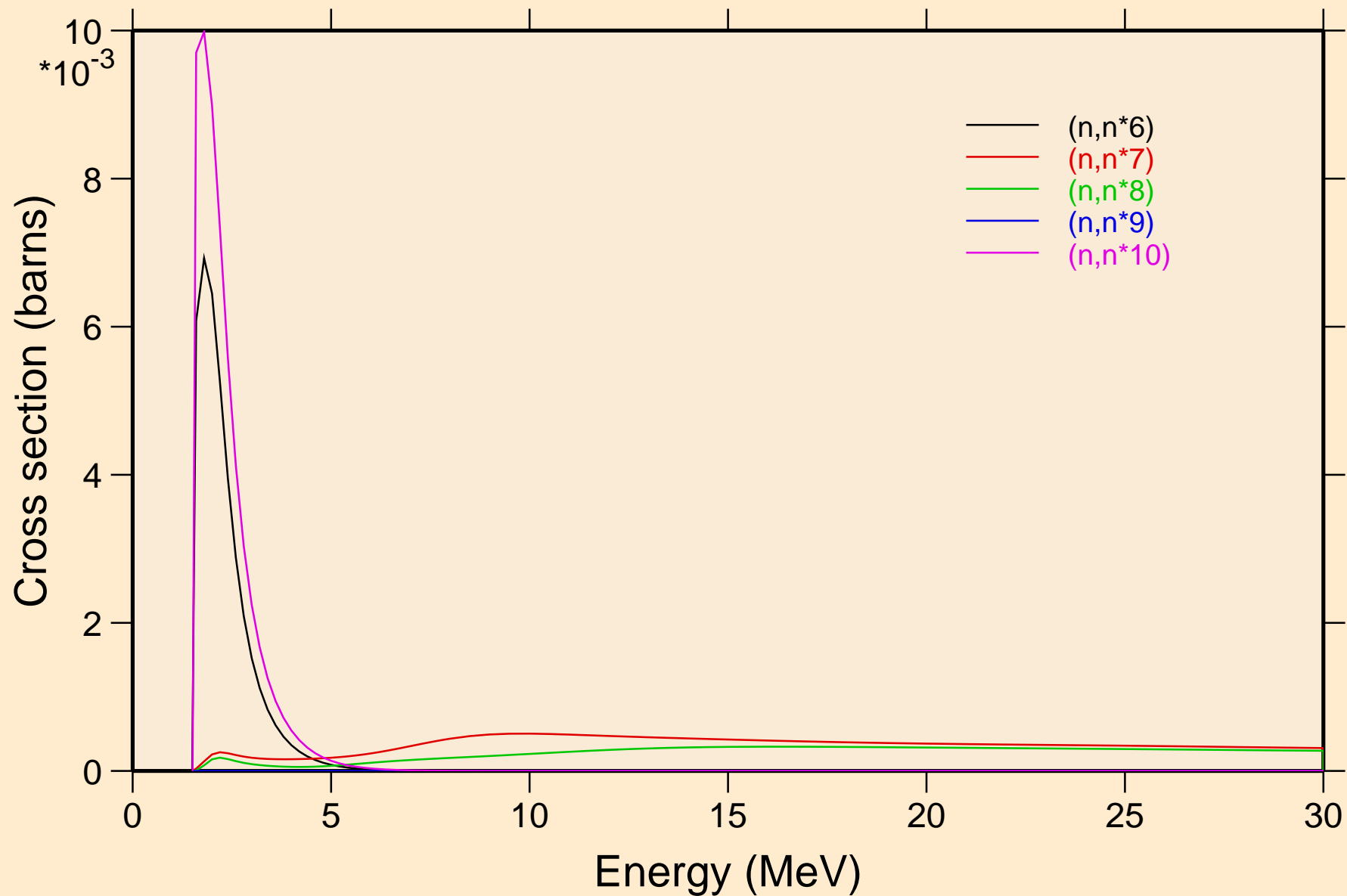
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



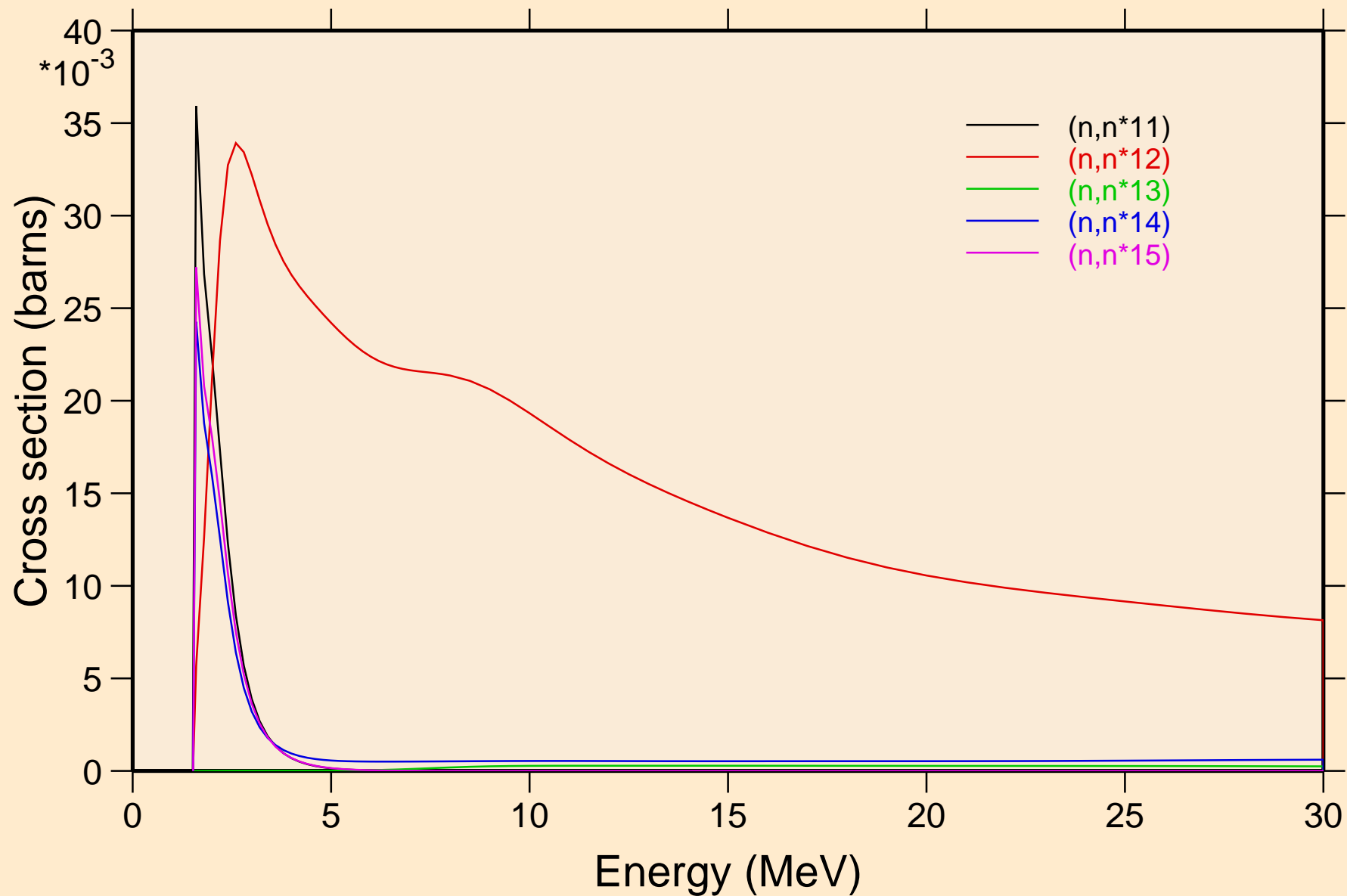
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



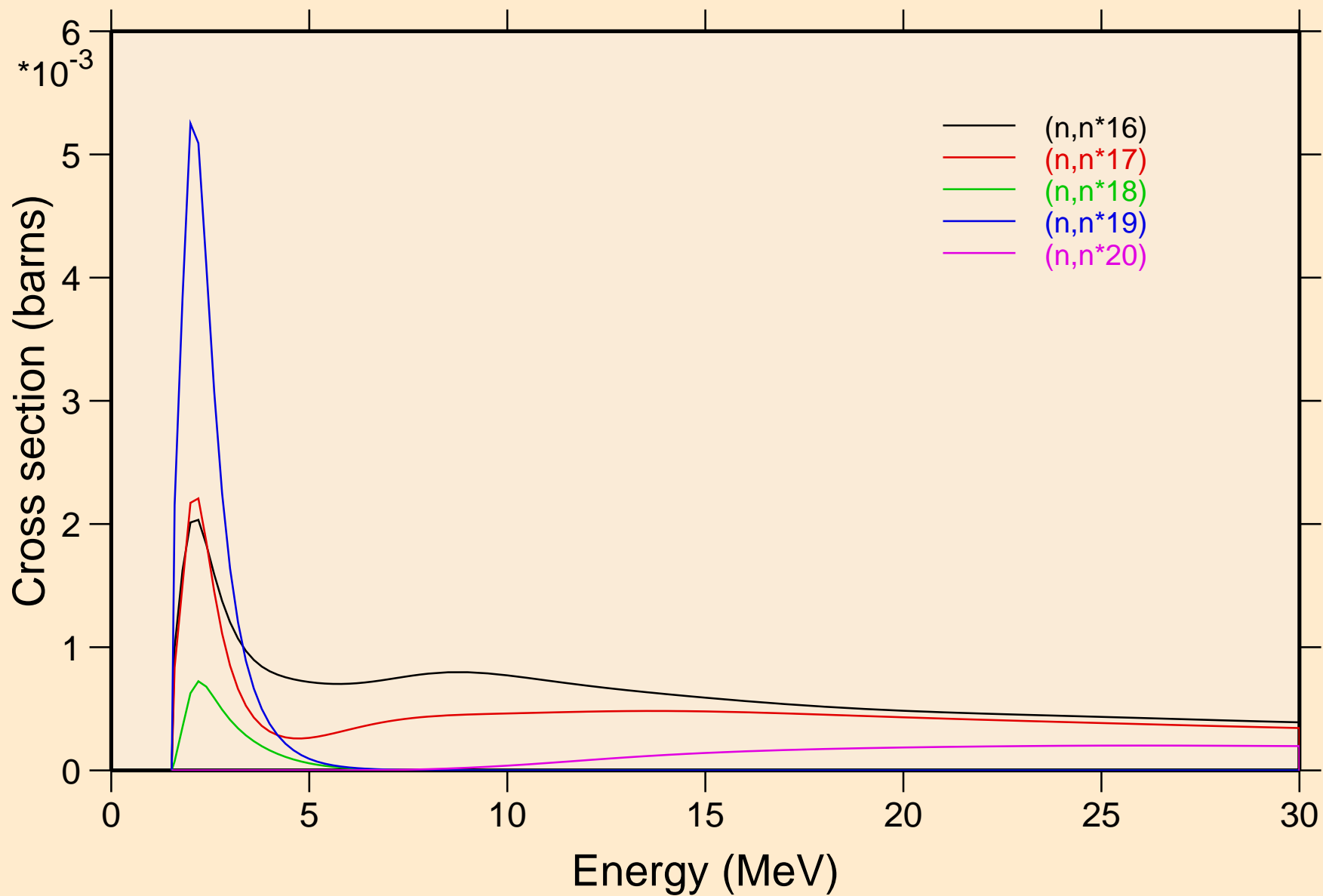
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



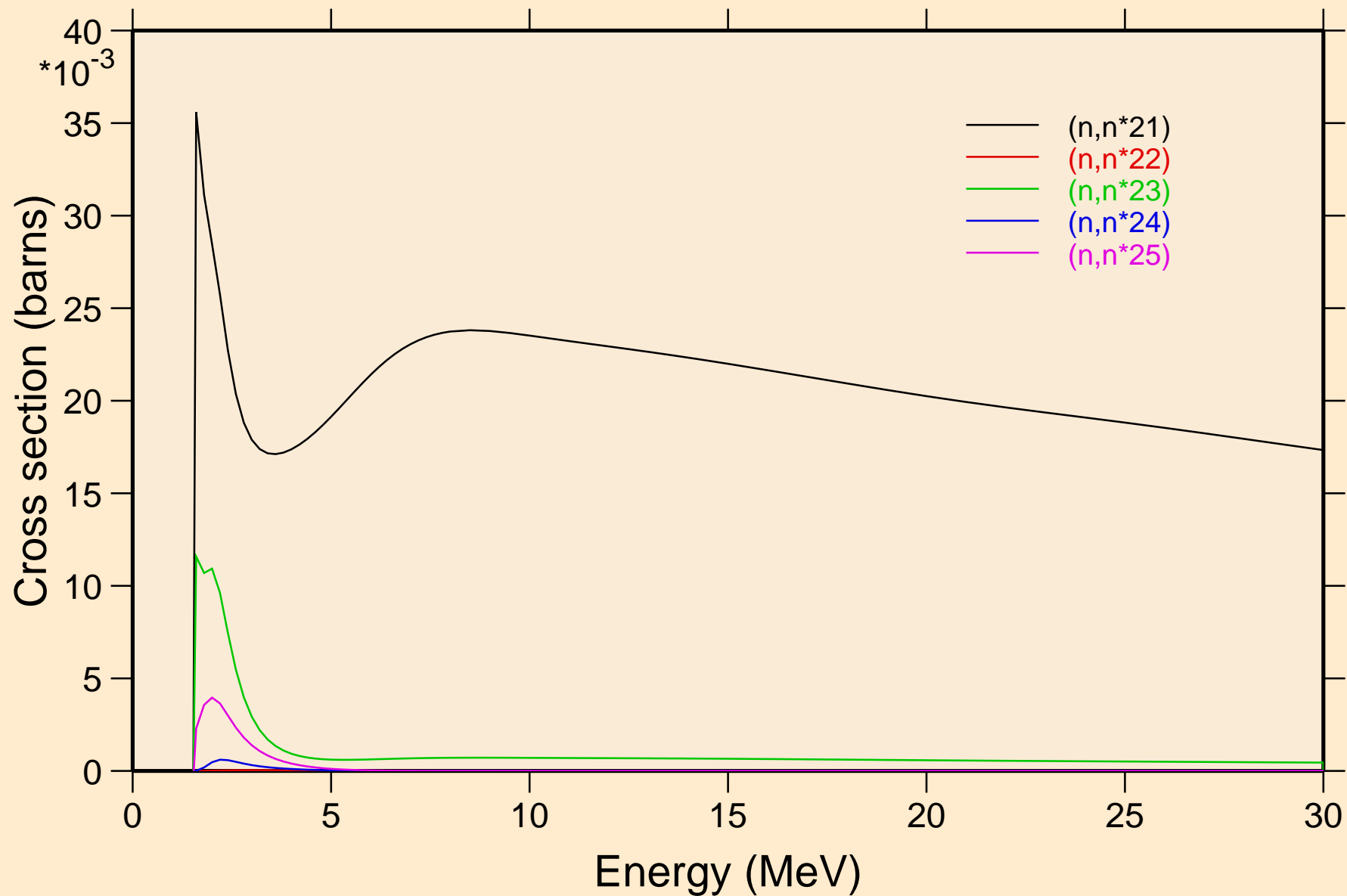
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

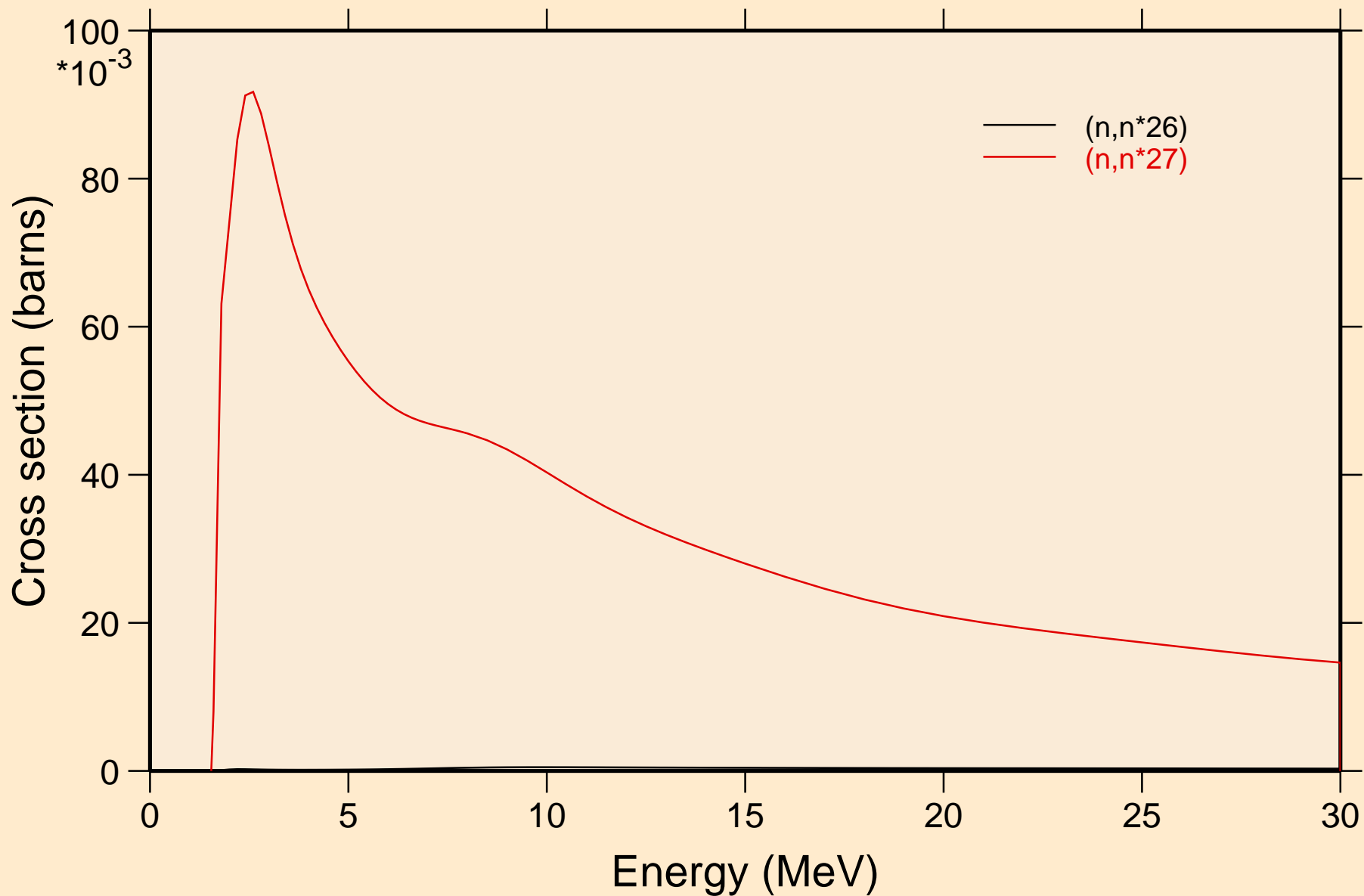


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



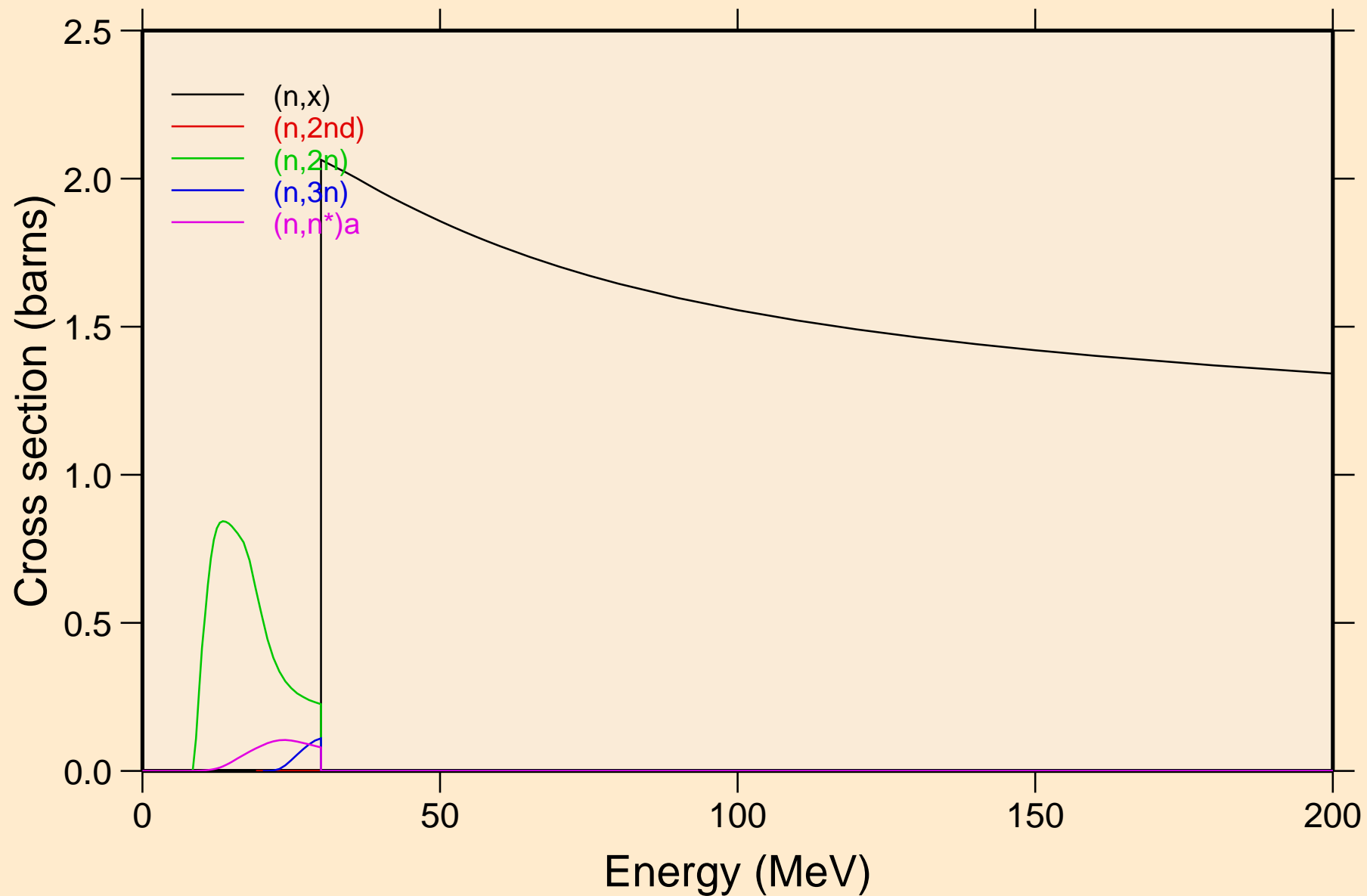


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

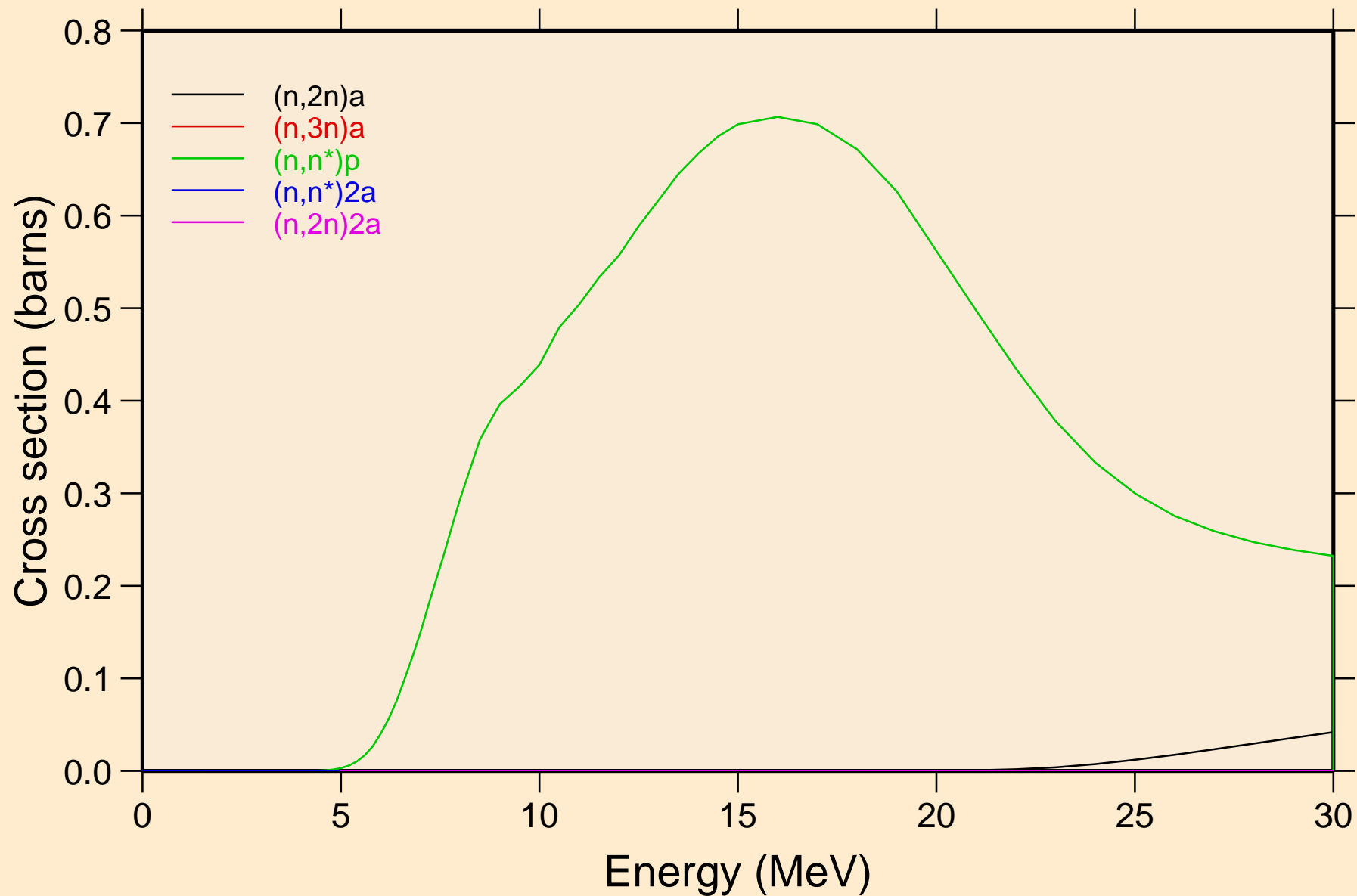


# HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

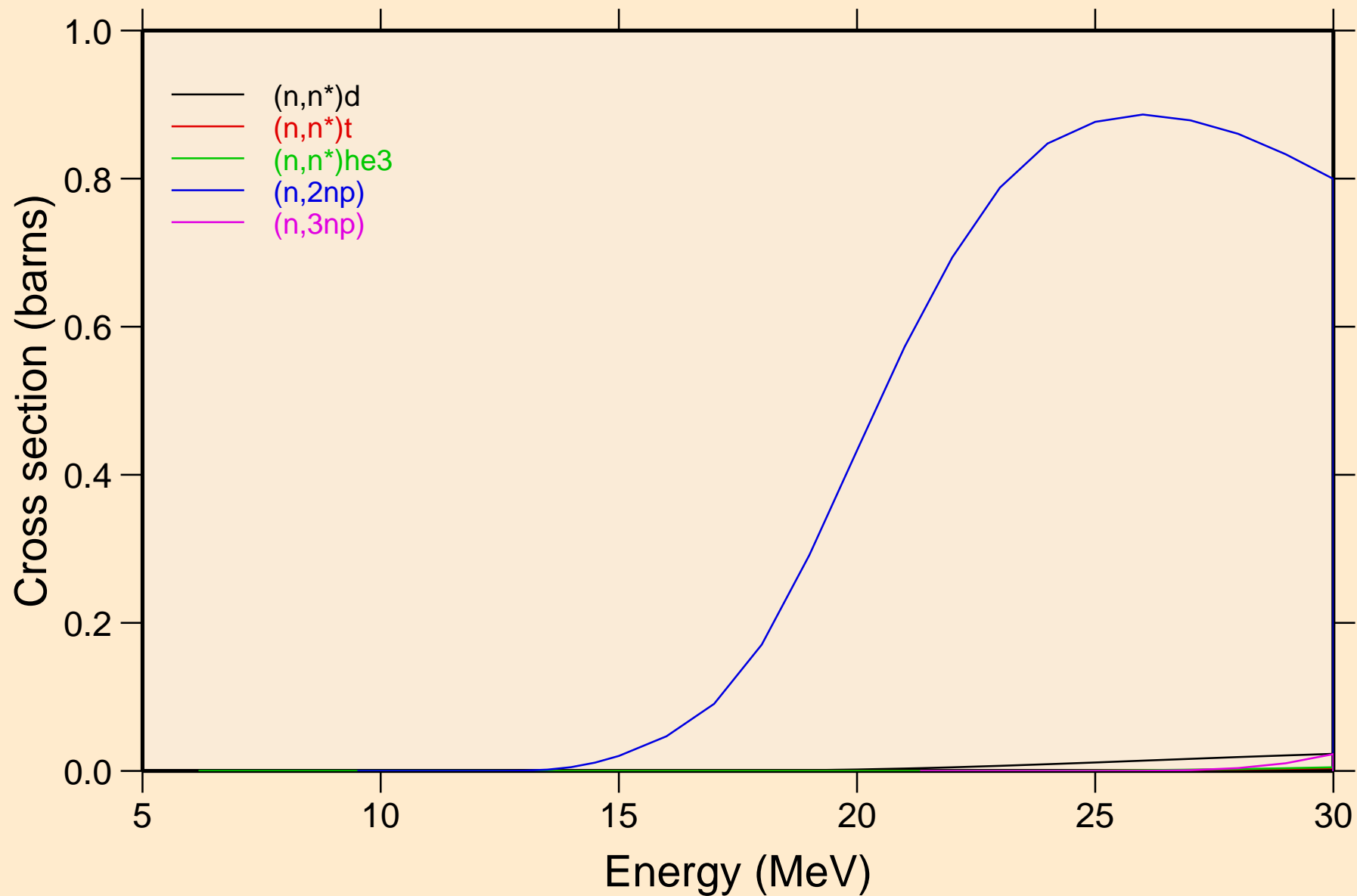
## Threshold reactions



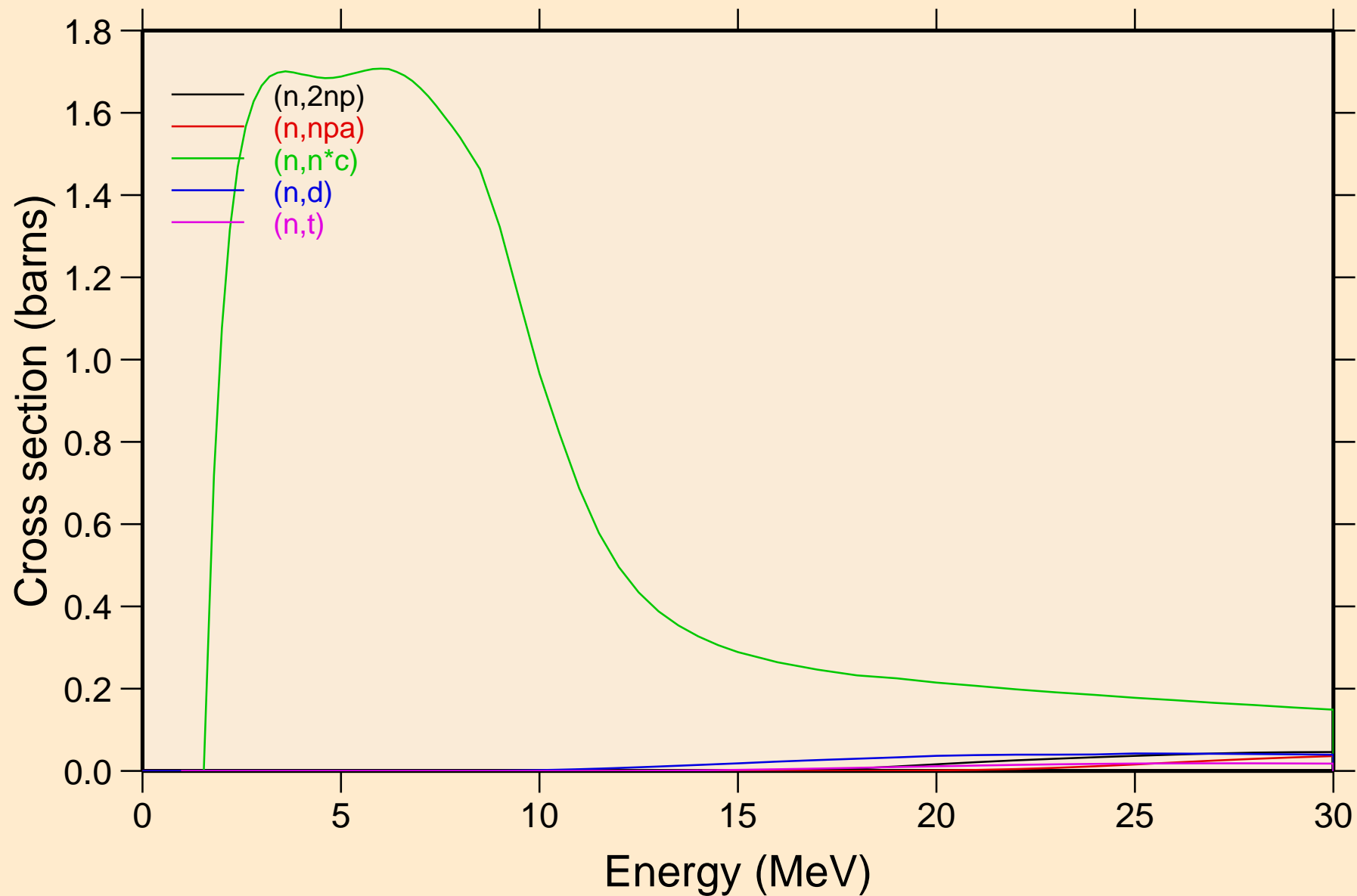
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

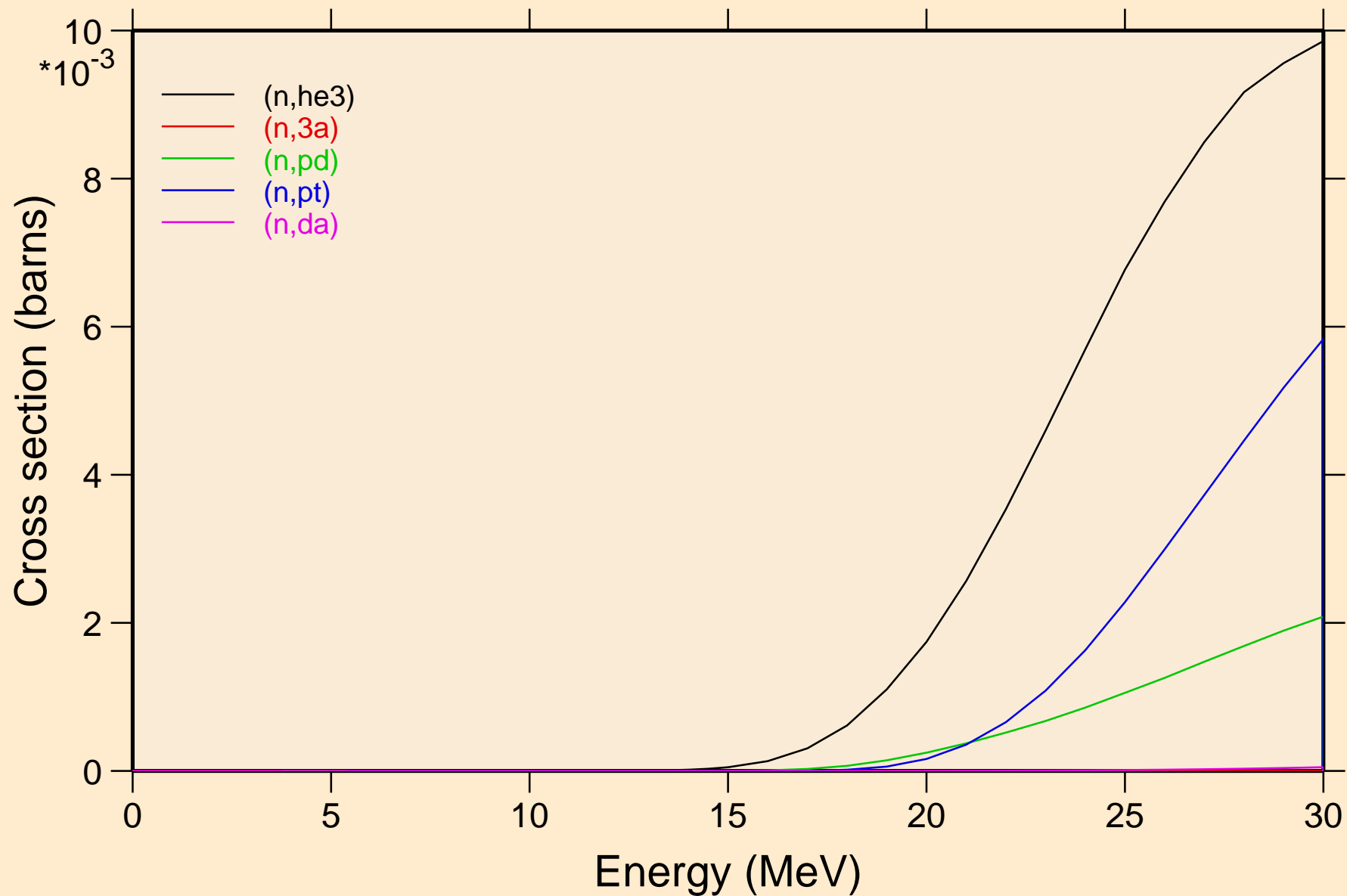


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

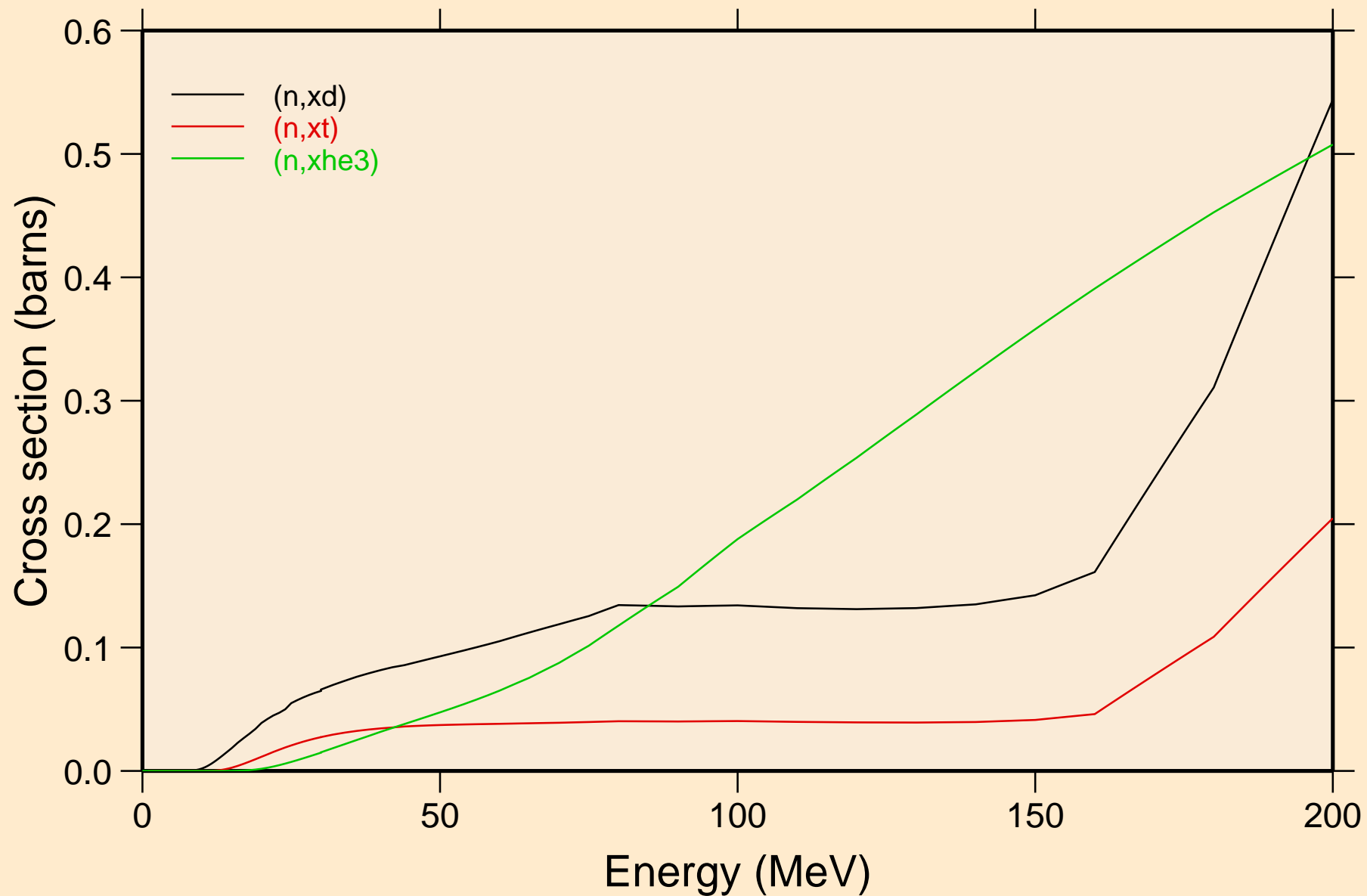


# HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

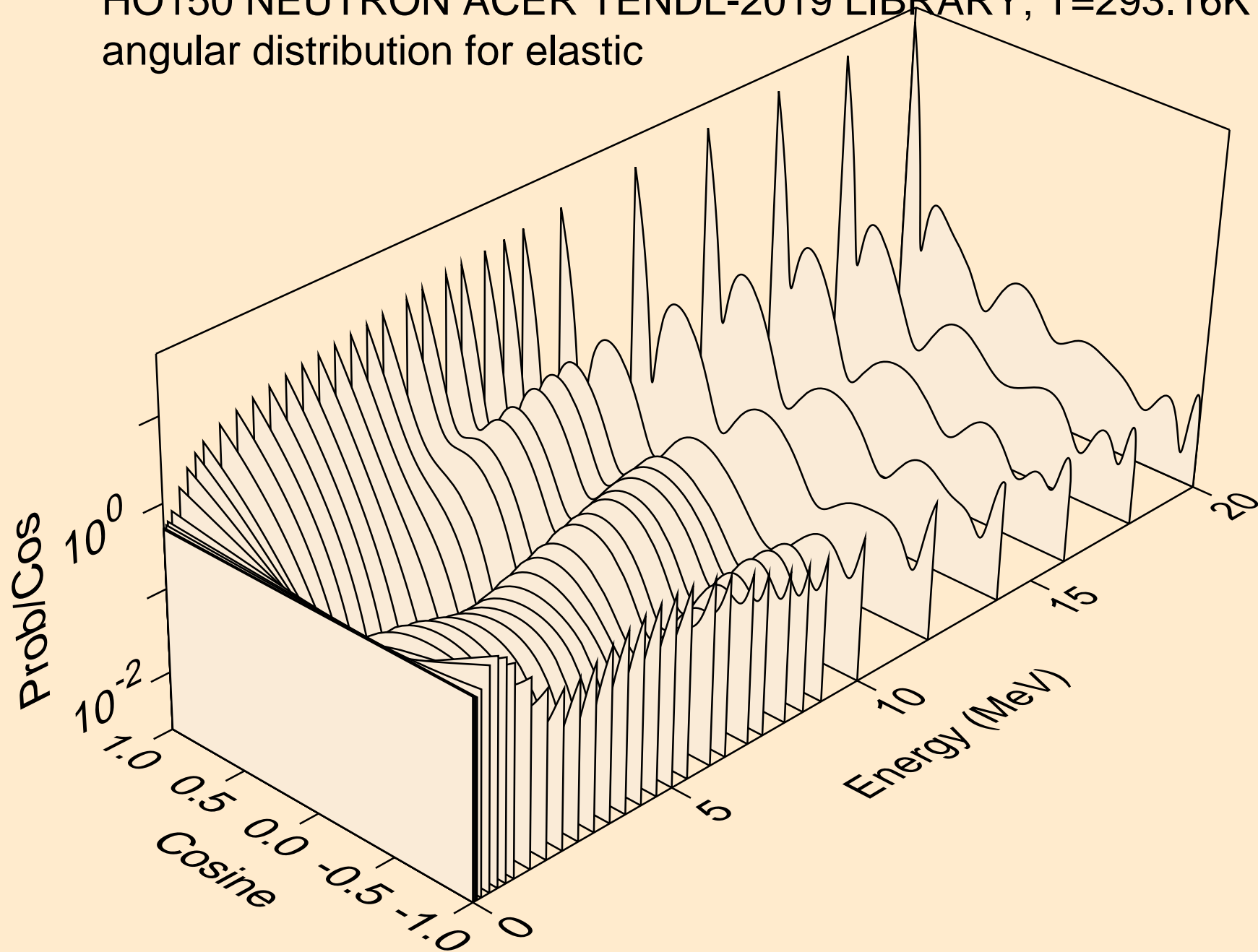
## Threshold reactions



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

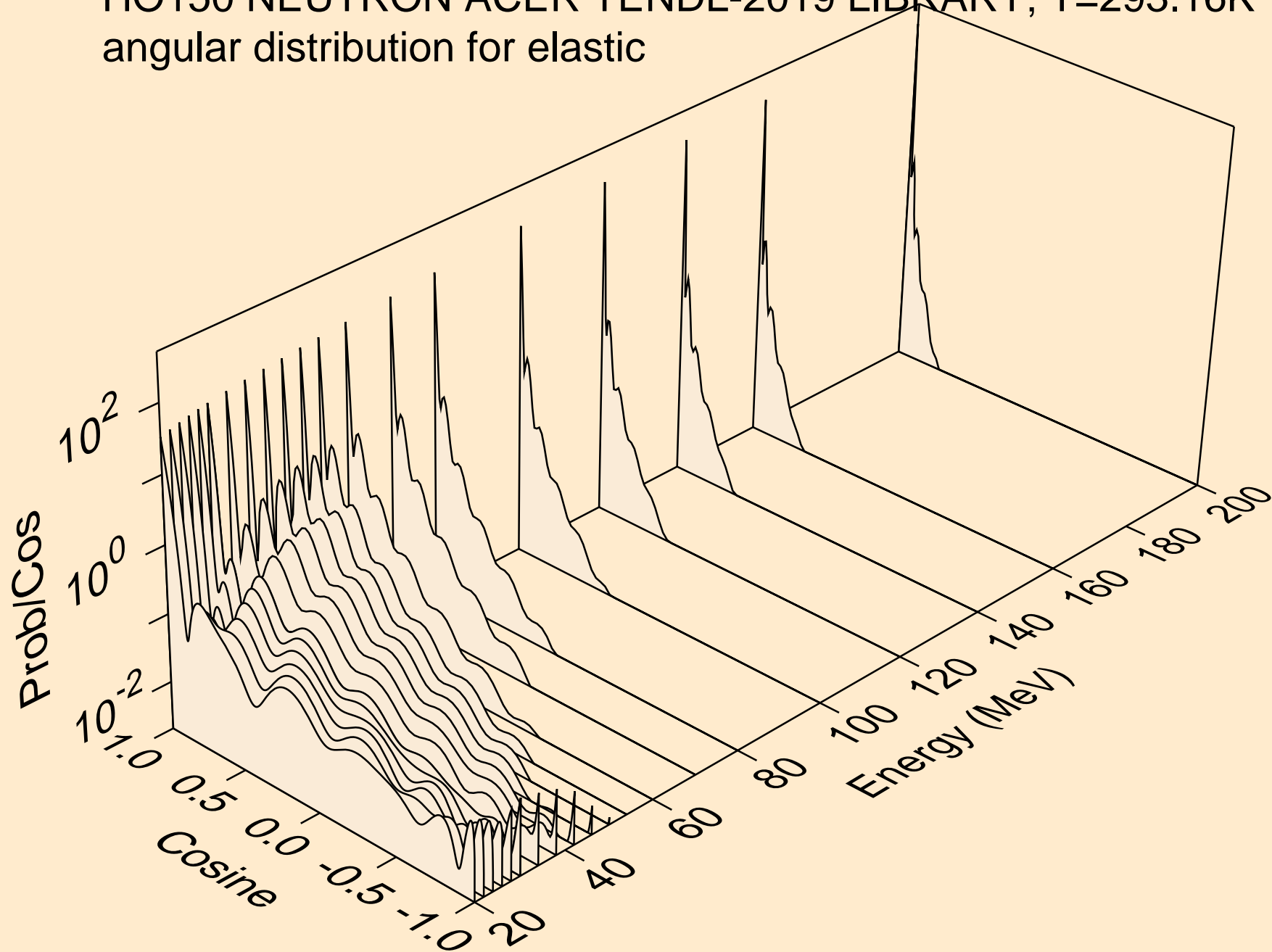


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

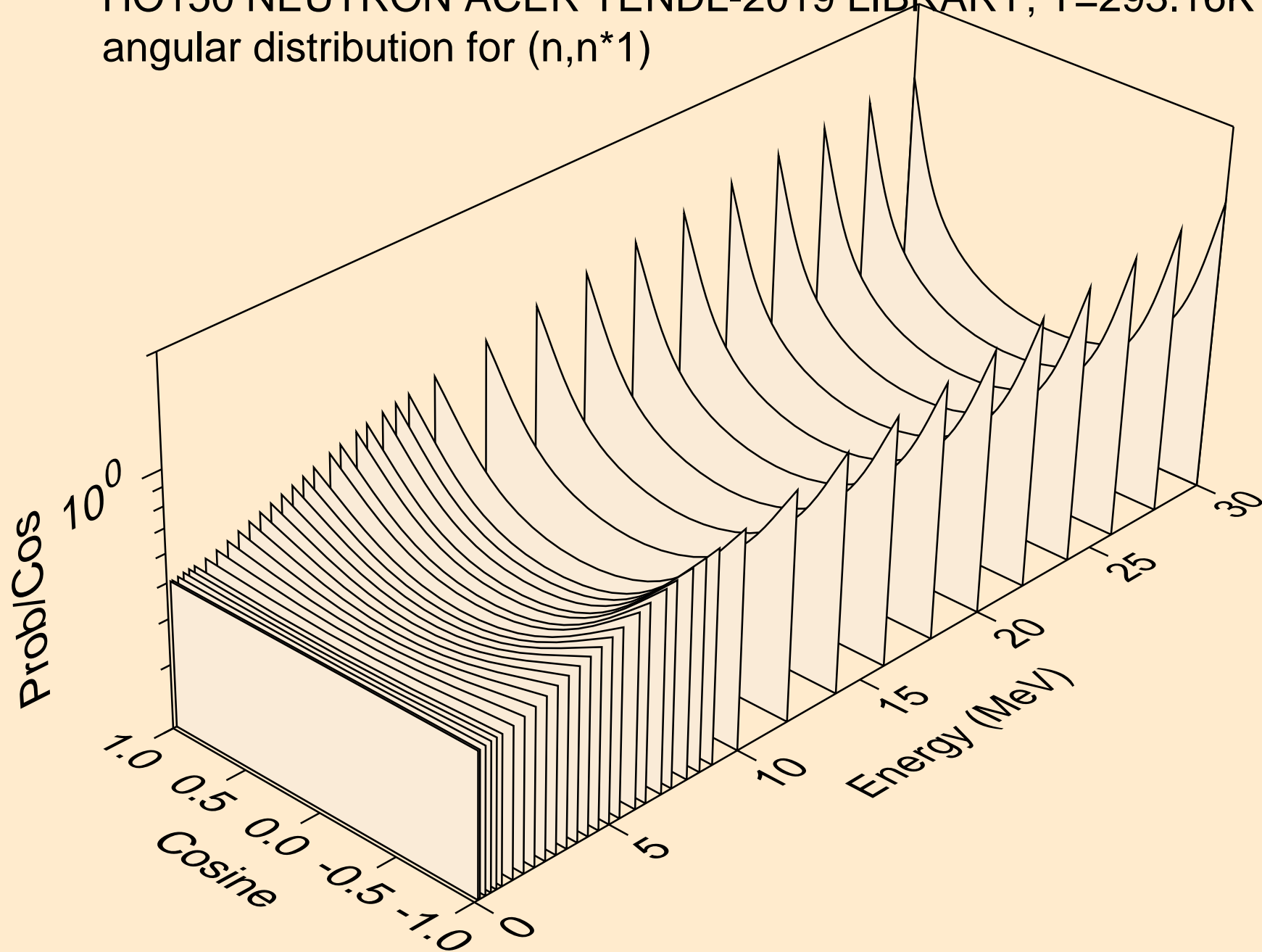




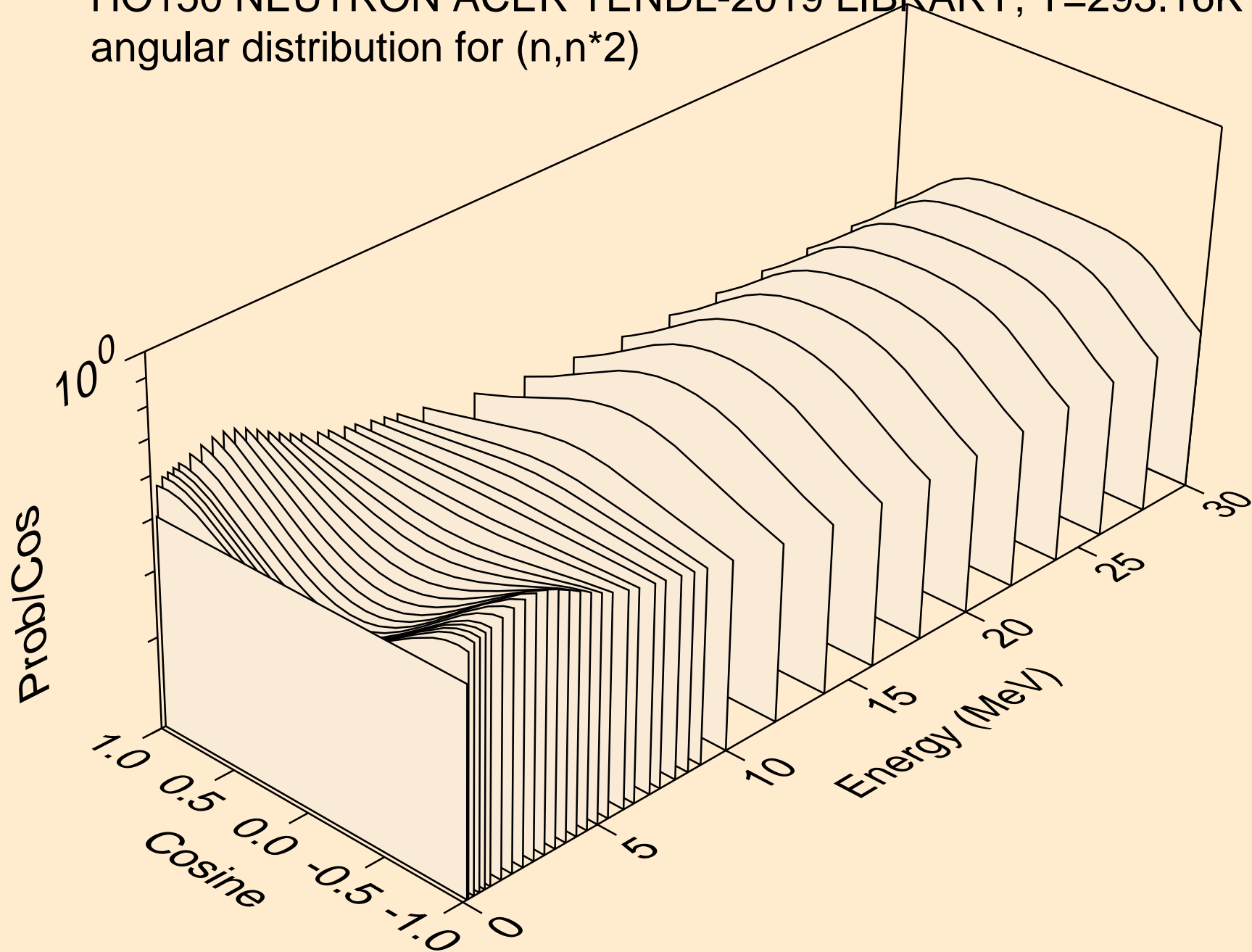
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



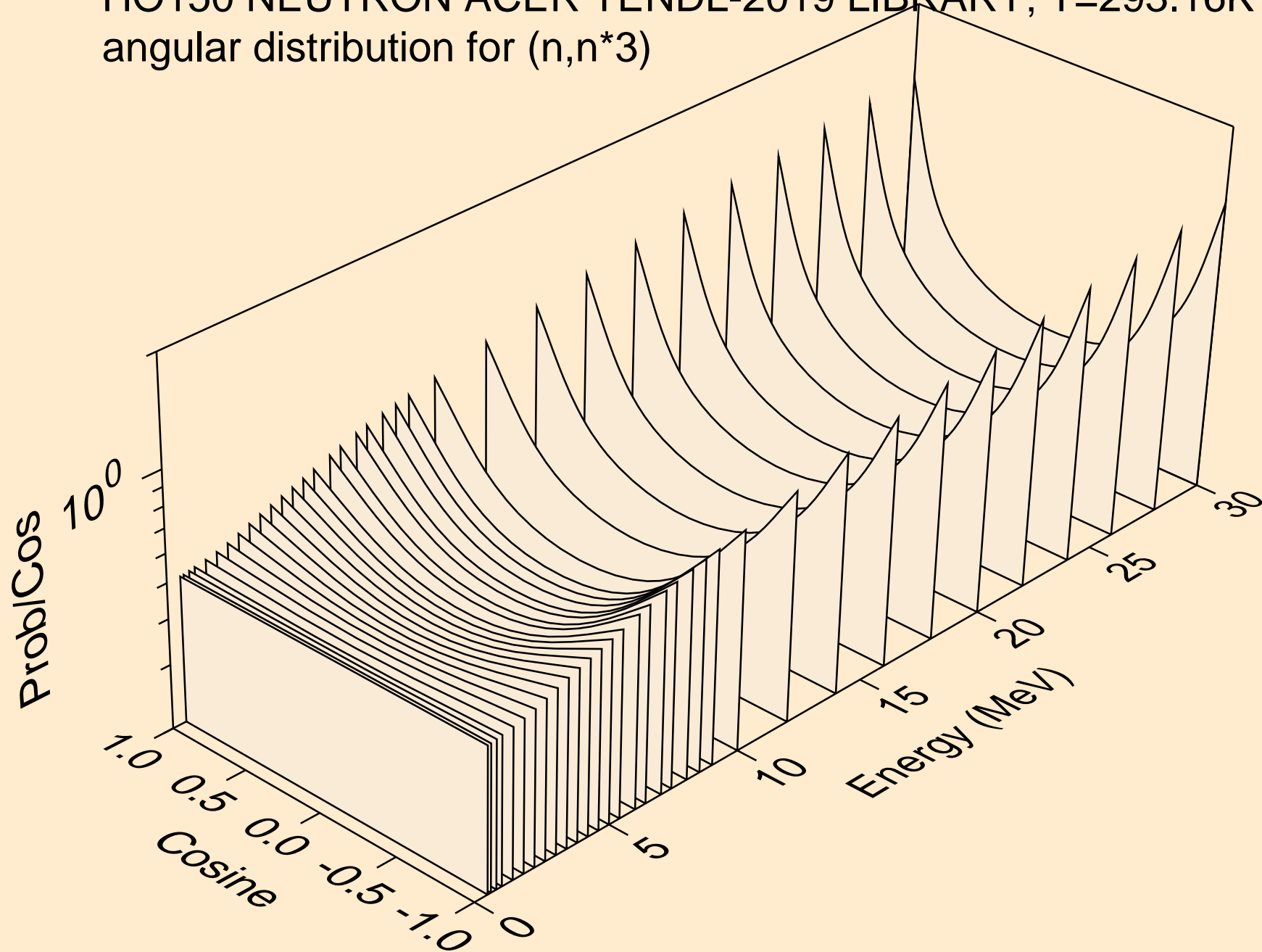
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



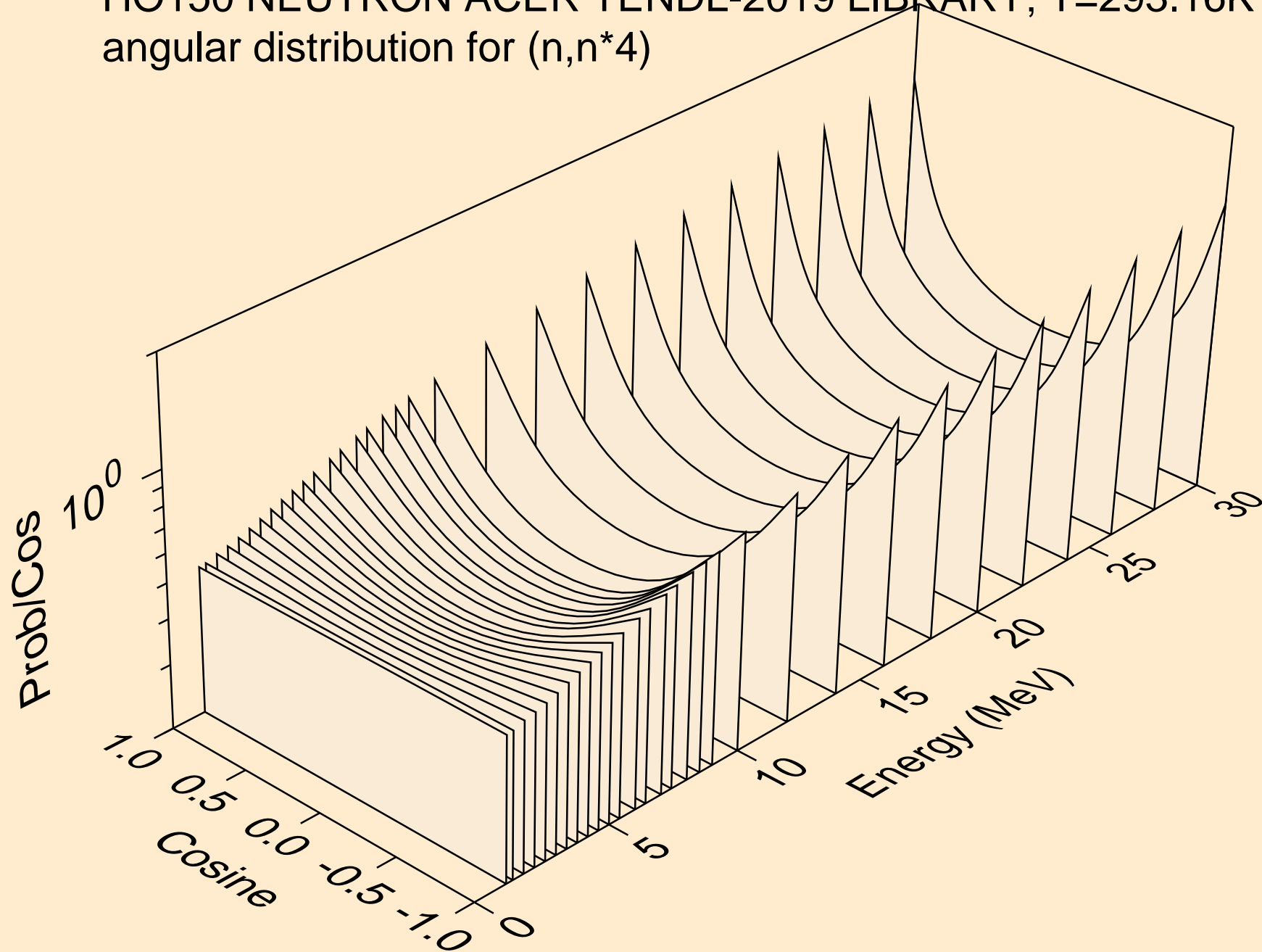
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



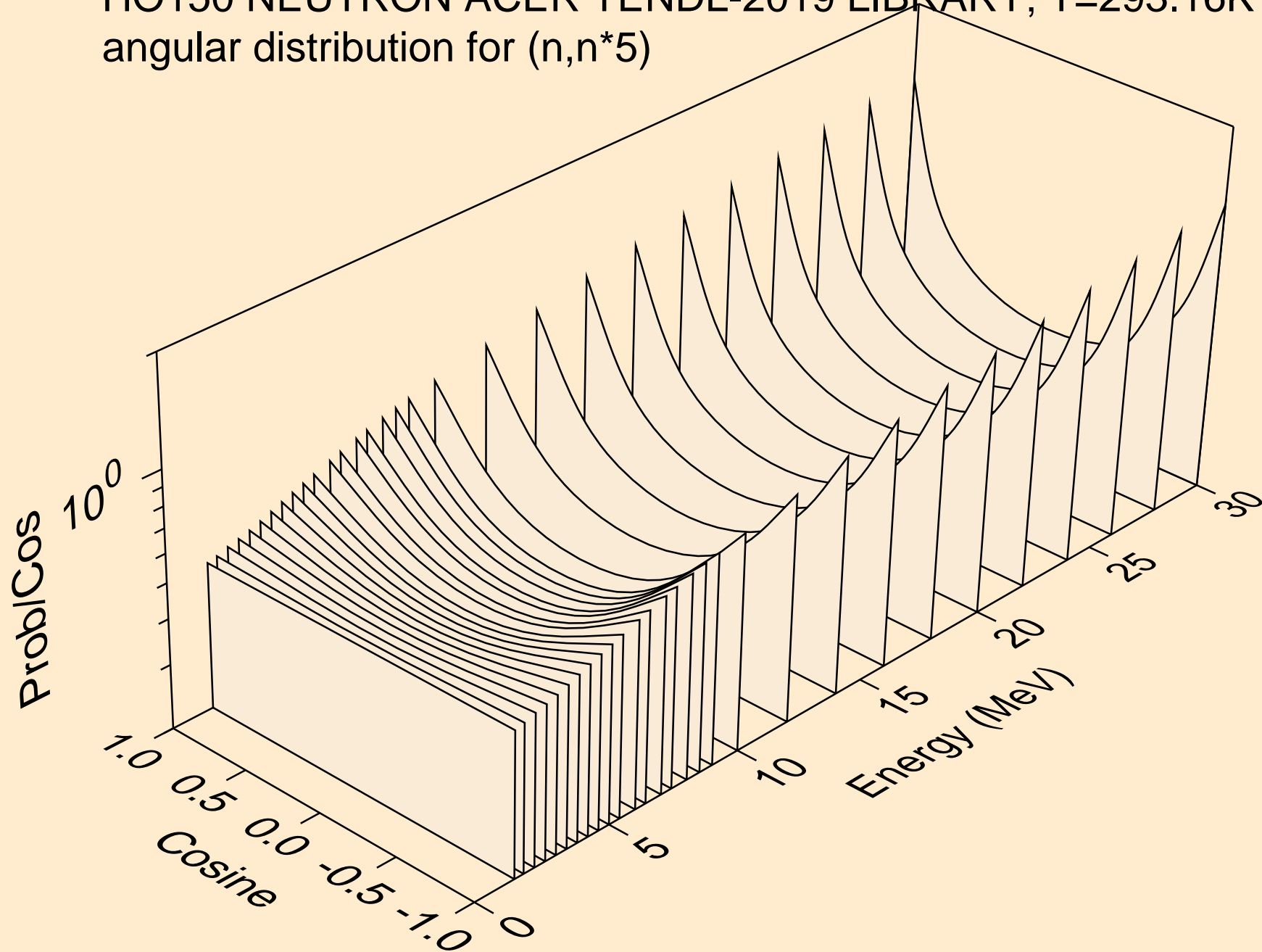
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



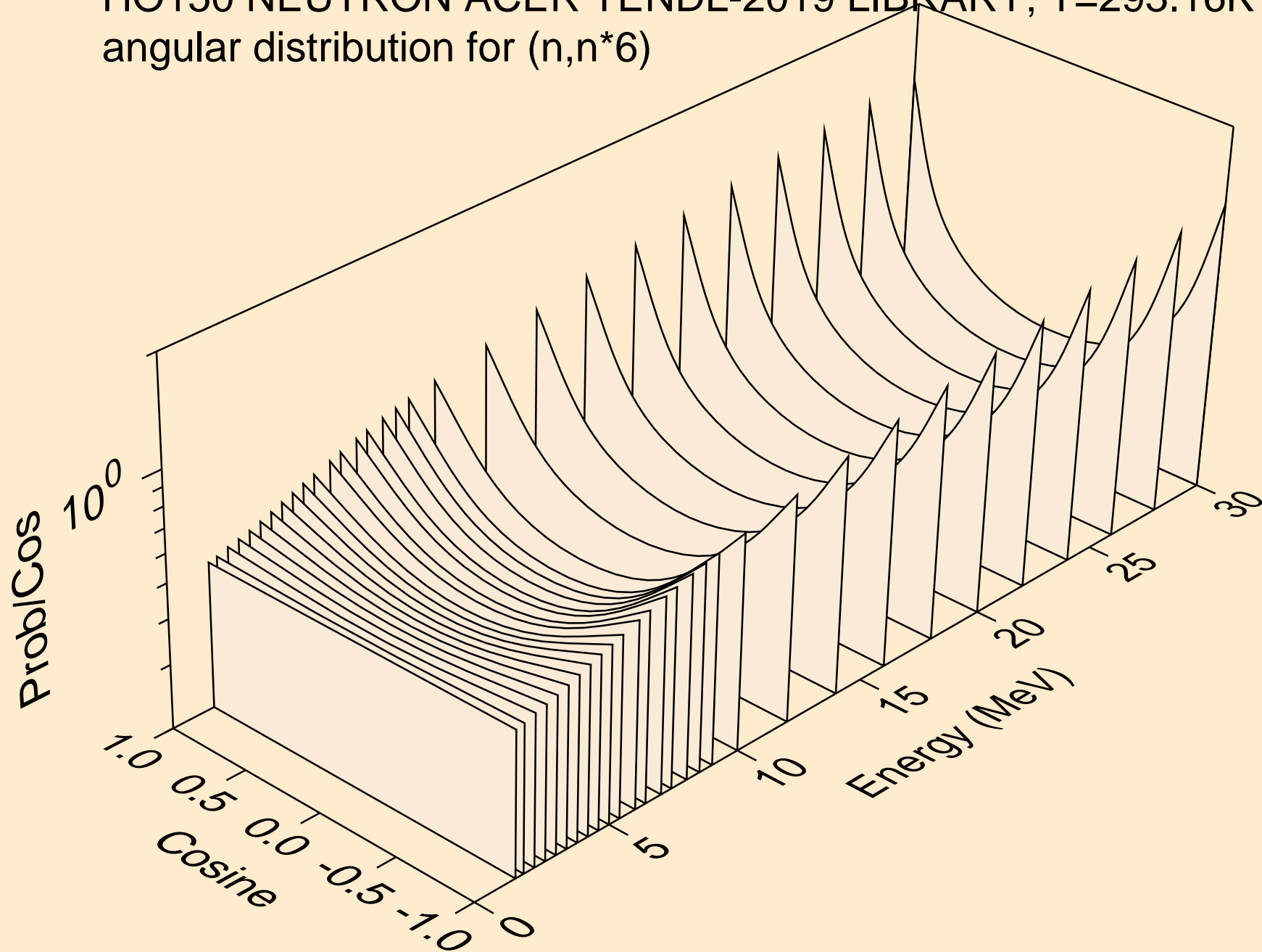
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angular distribution for (n,n\*4)



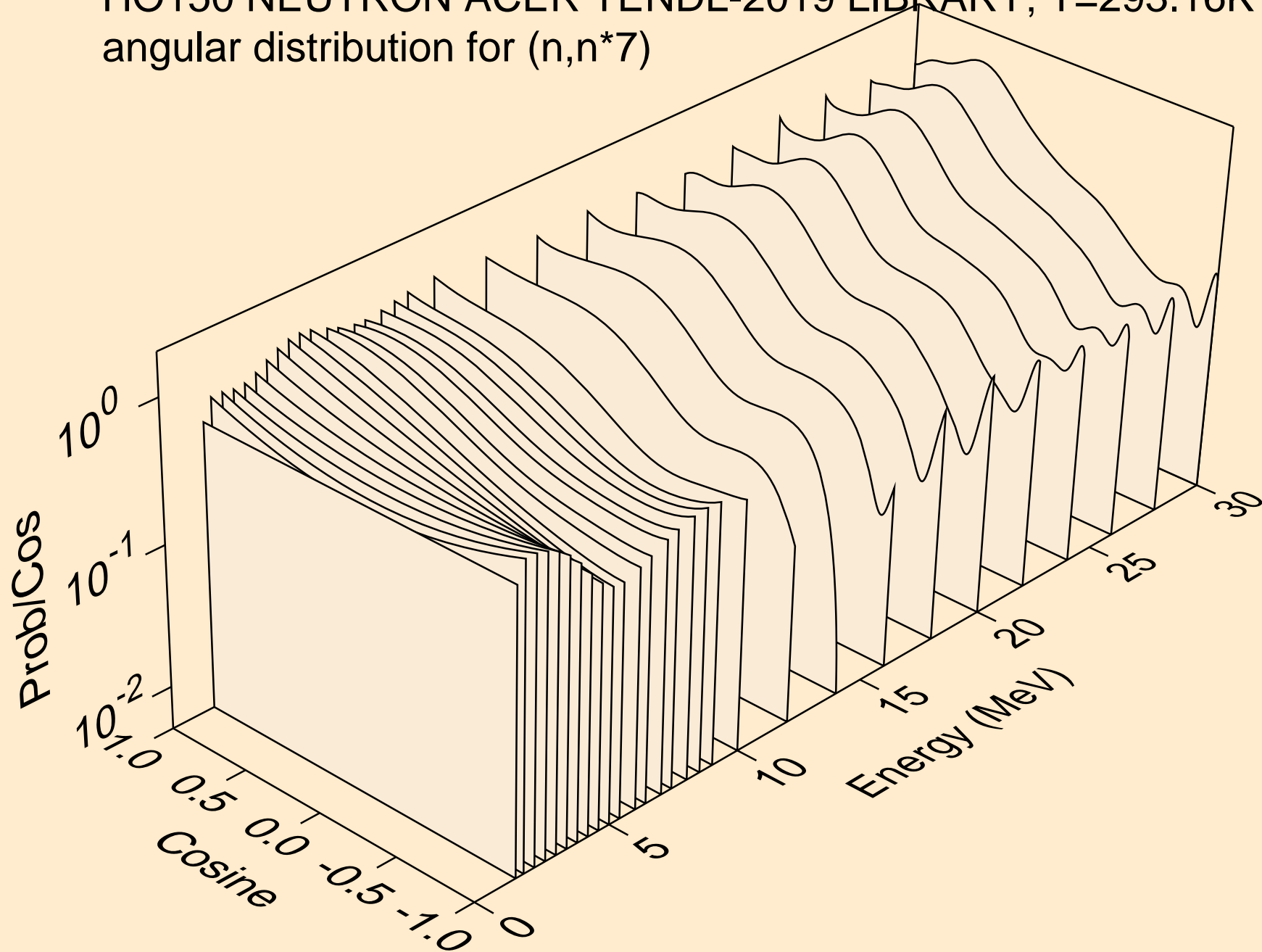
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

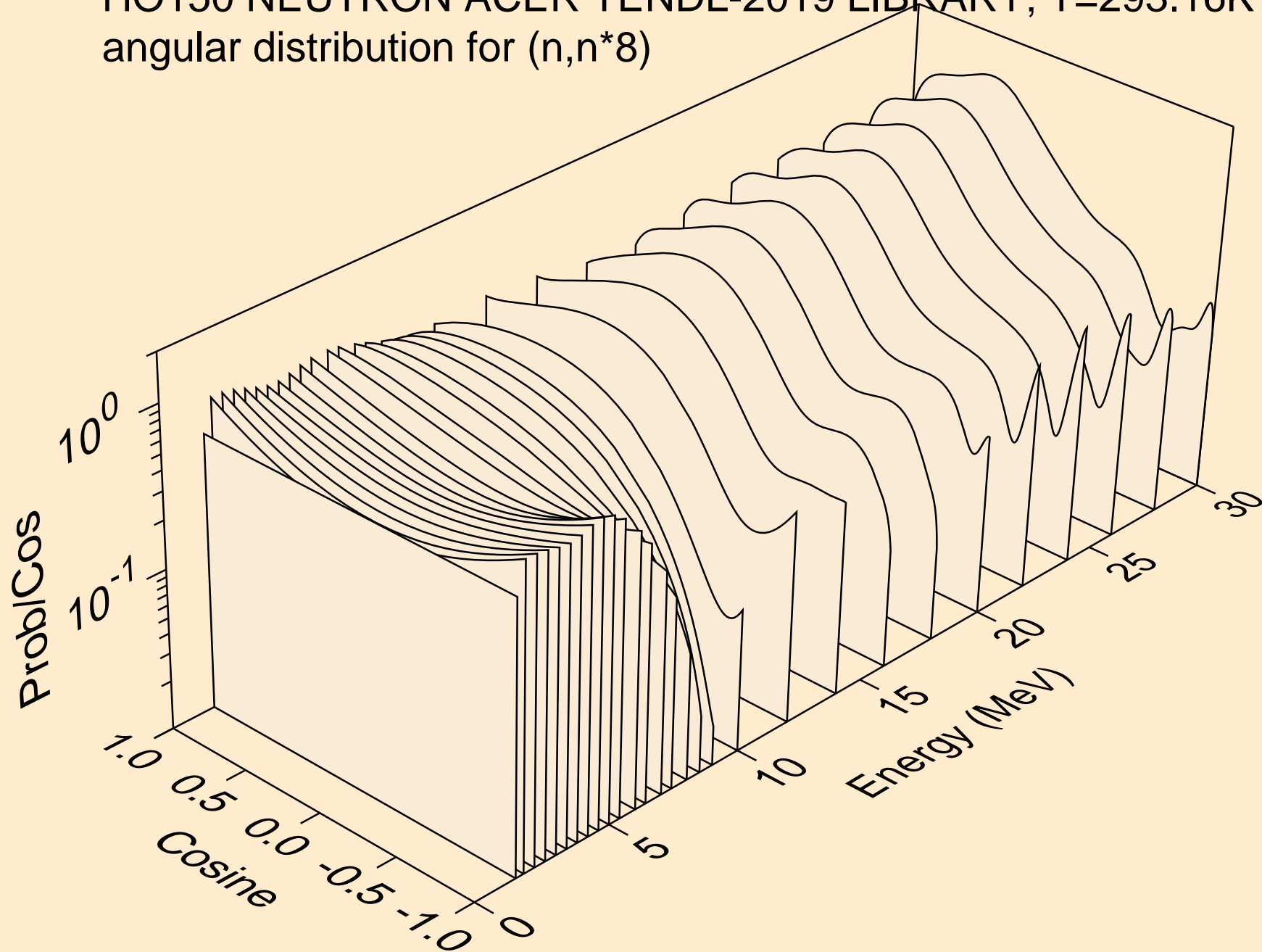


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

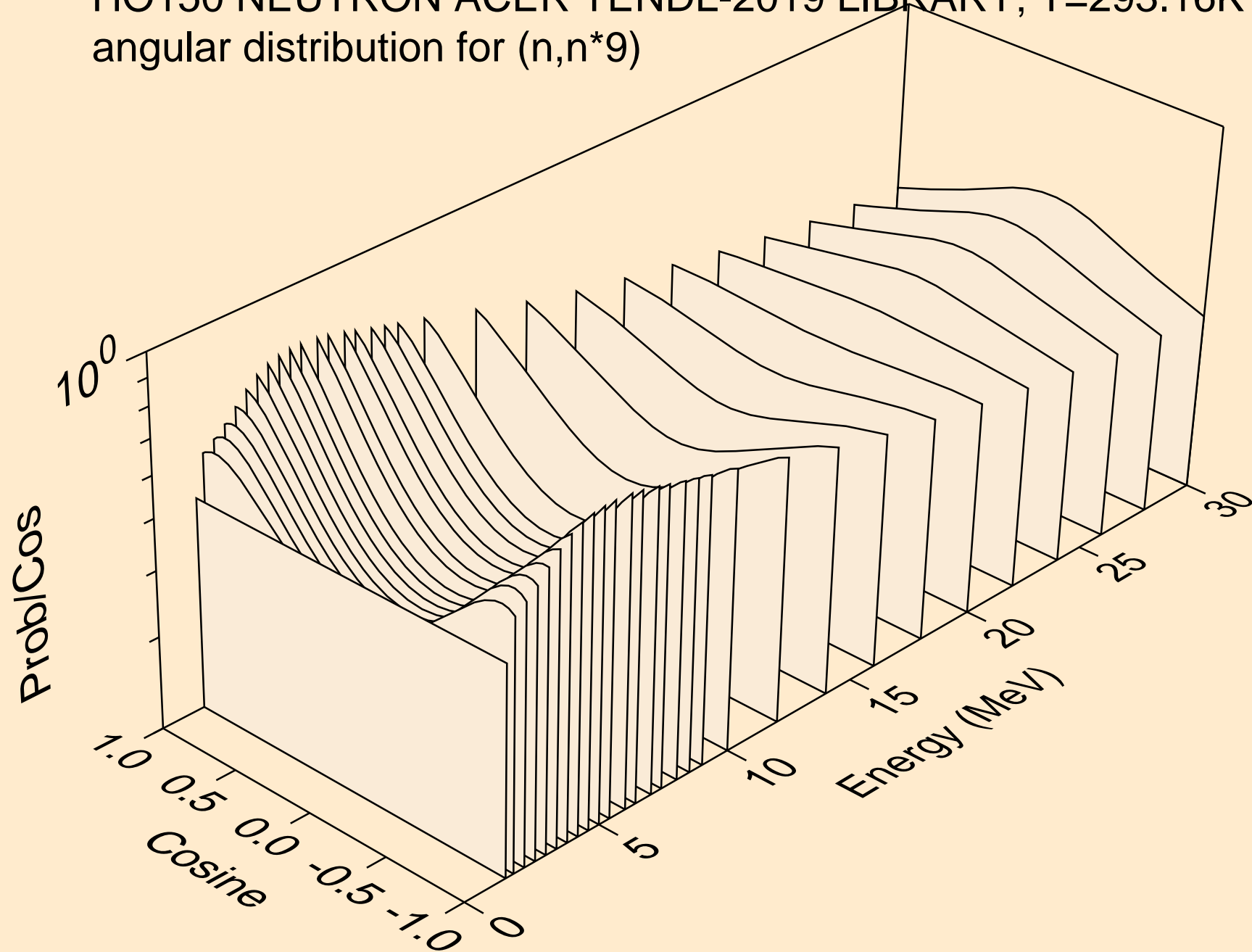




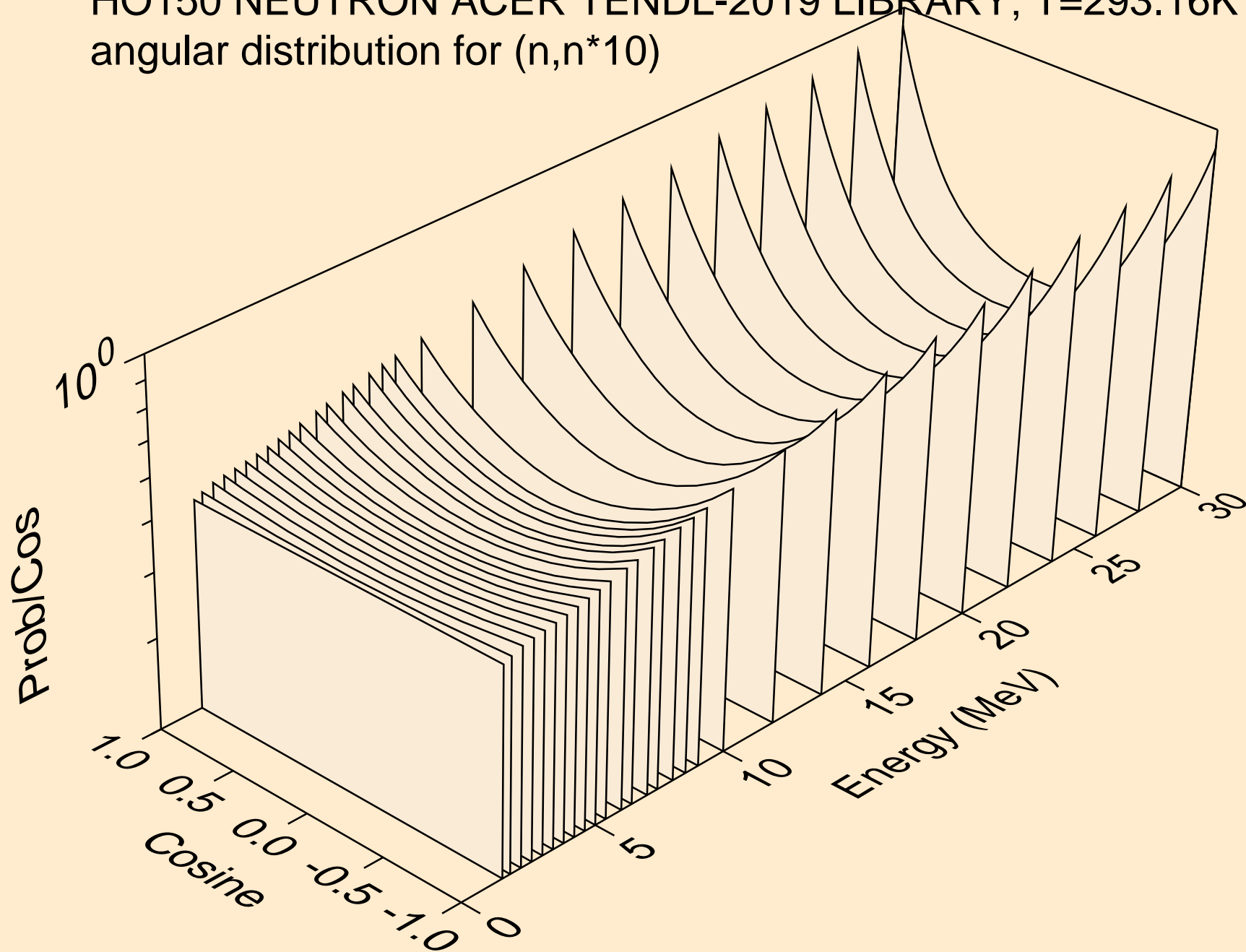
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



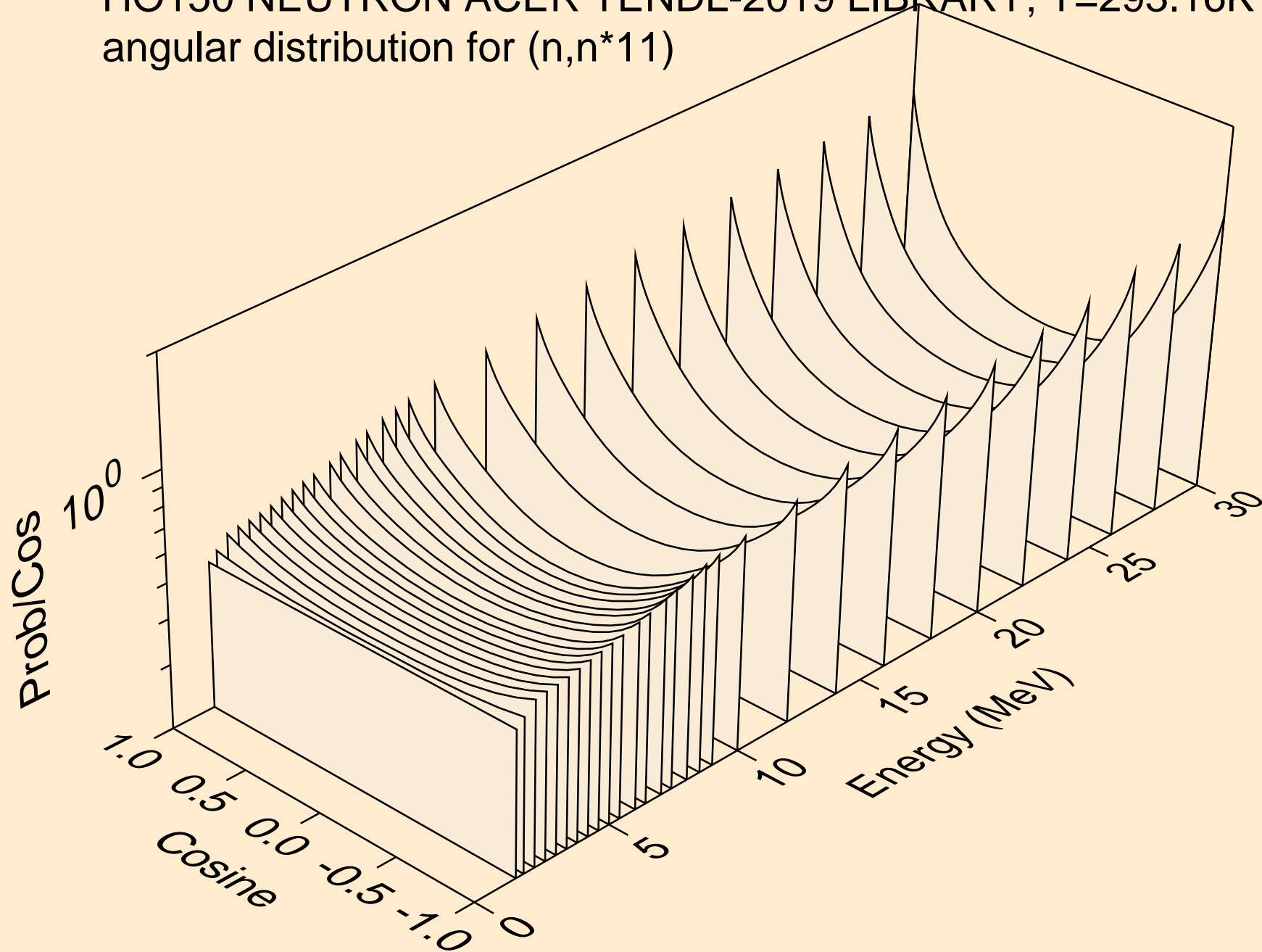
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angular distribution for (n,n\*9)



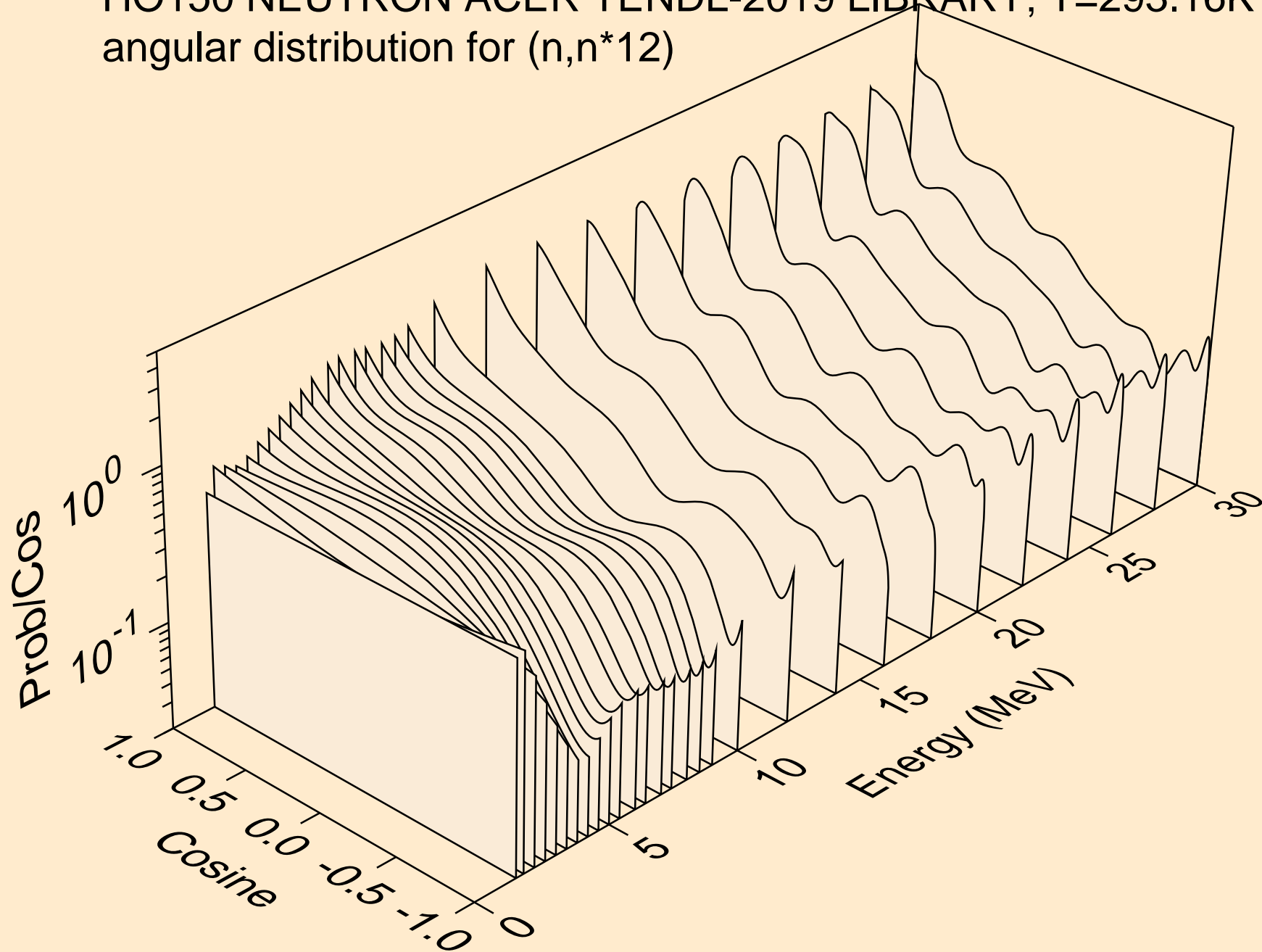
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angular distribution for (n,n\*10)



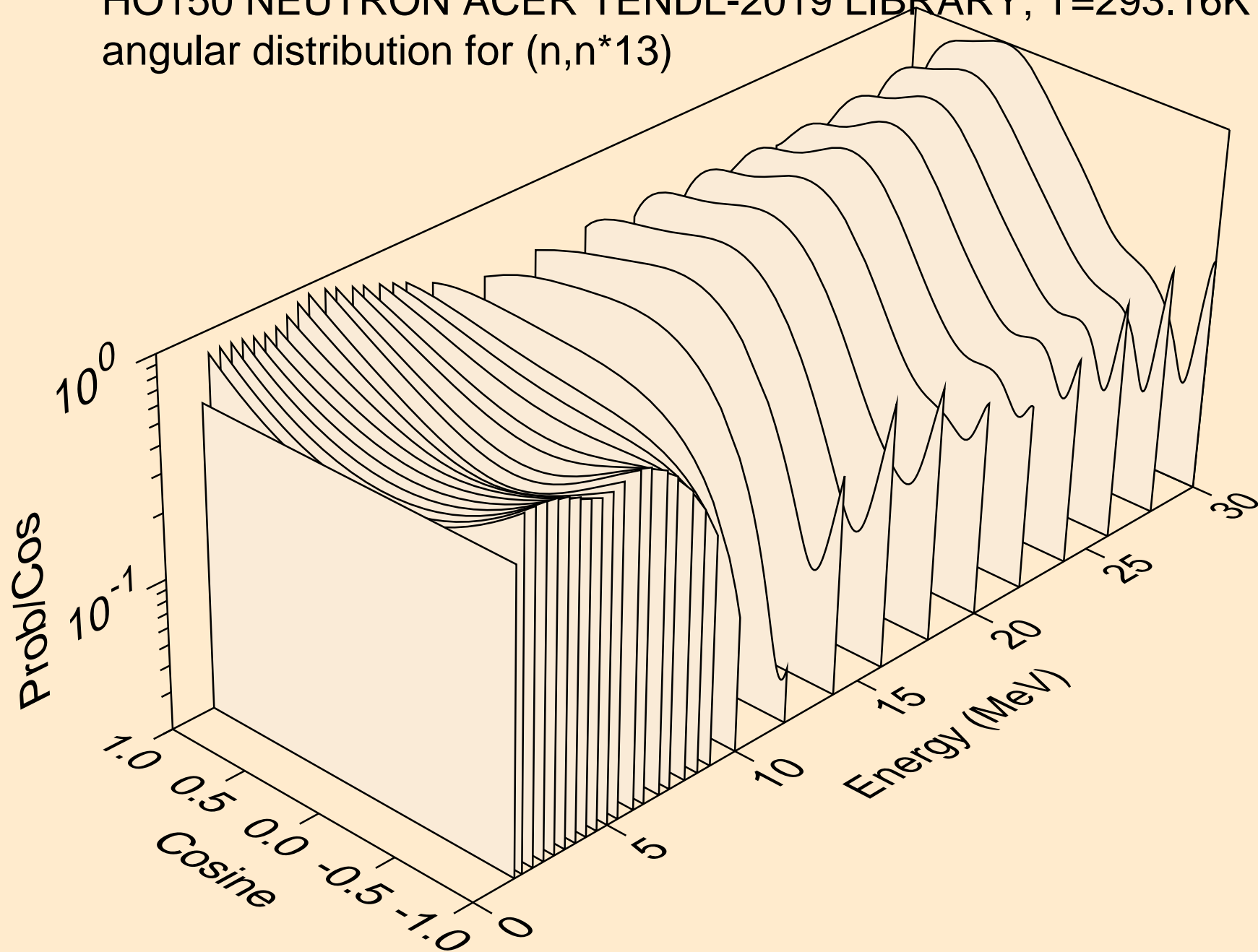
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angular distribution for (n,n\*11)



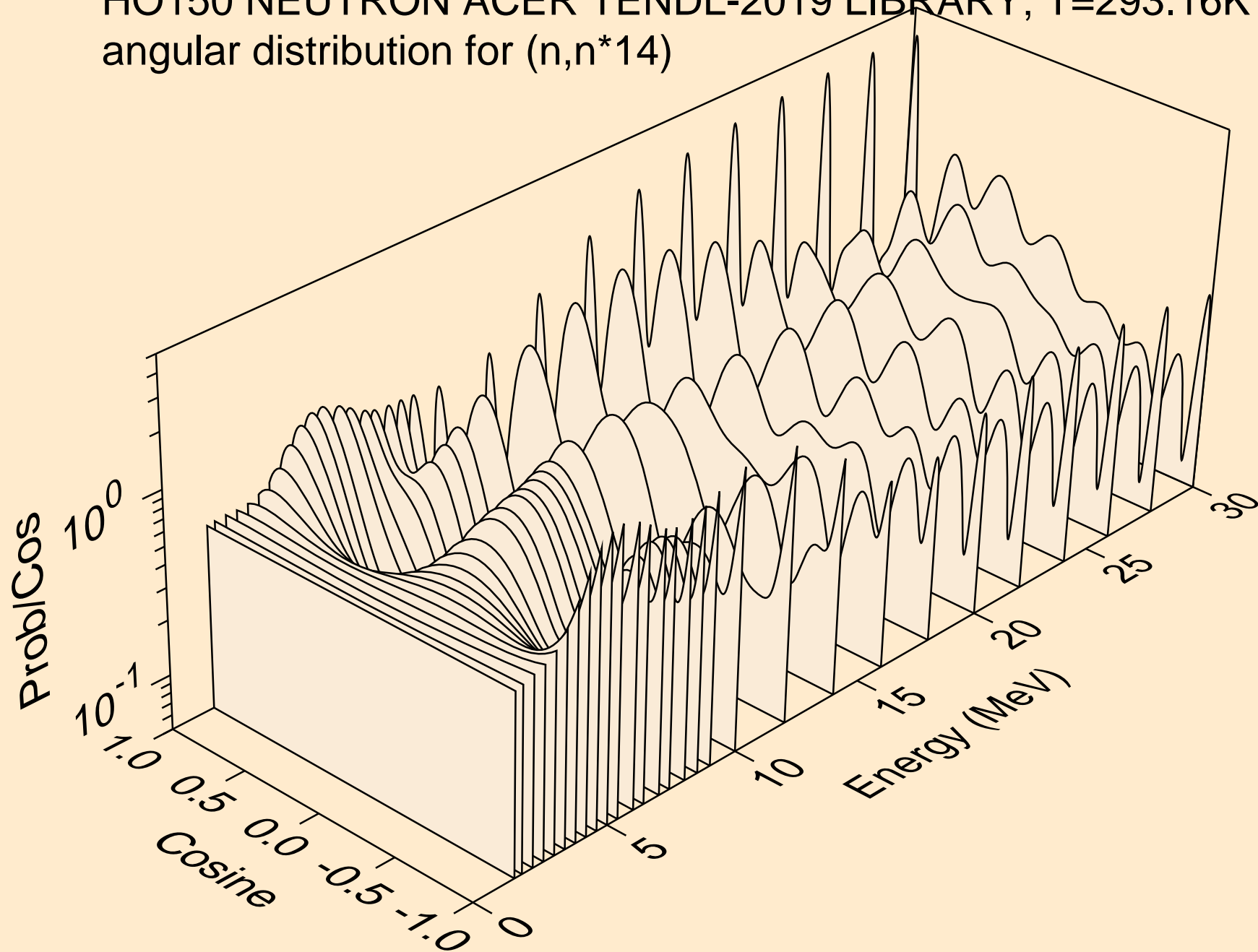
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angular distribution for (n,n\*12)



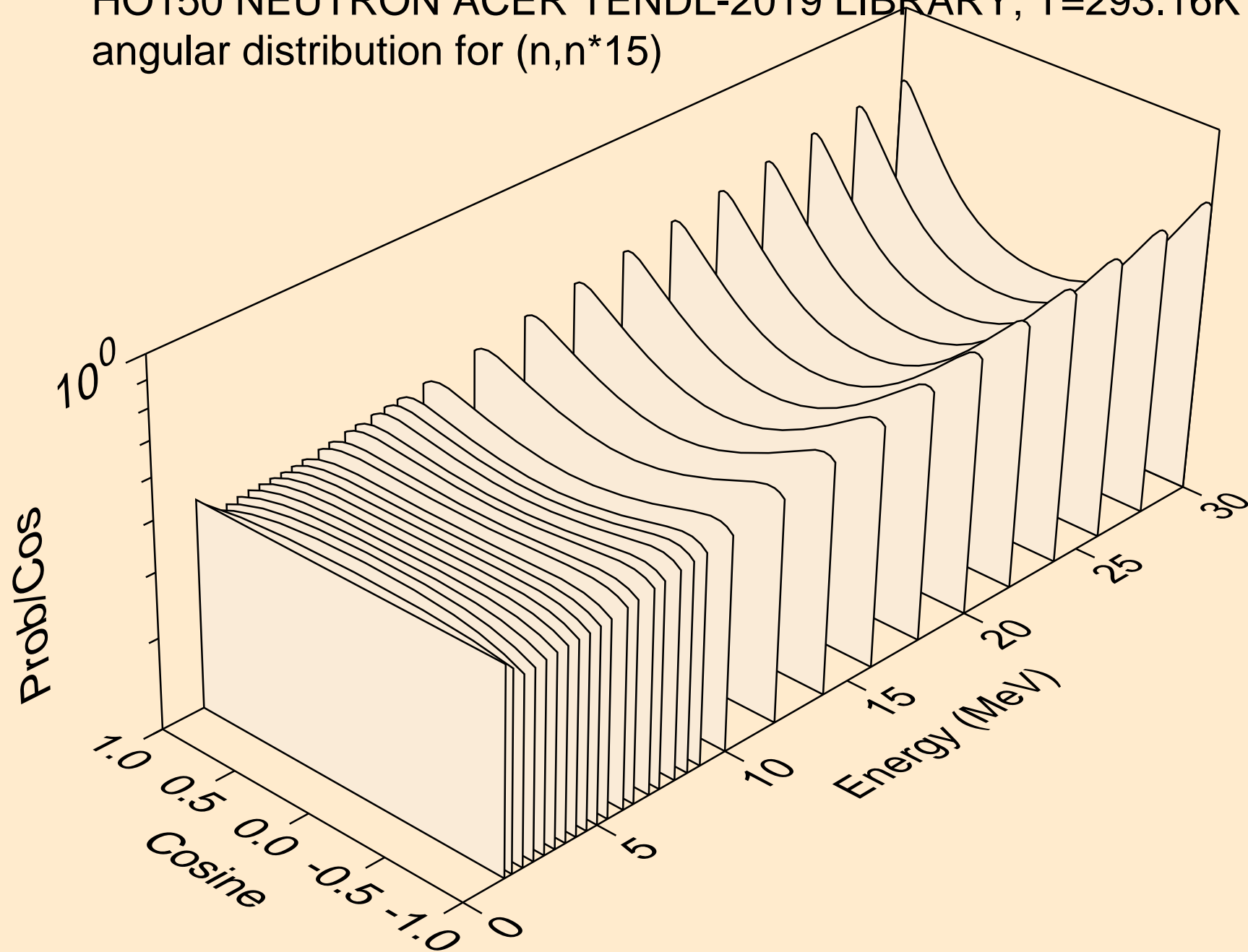
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

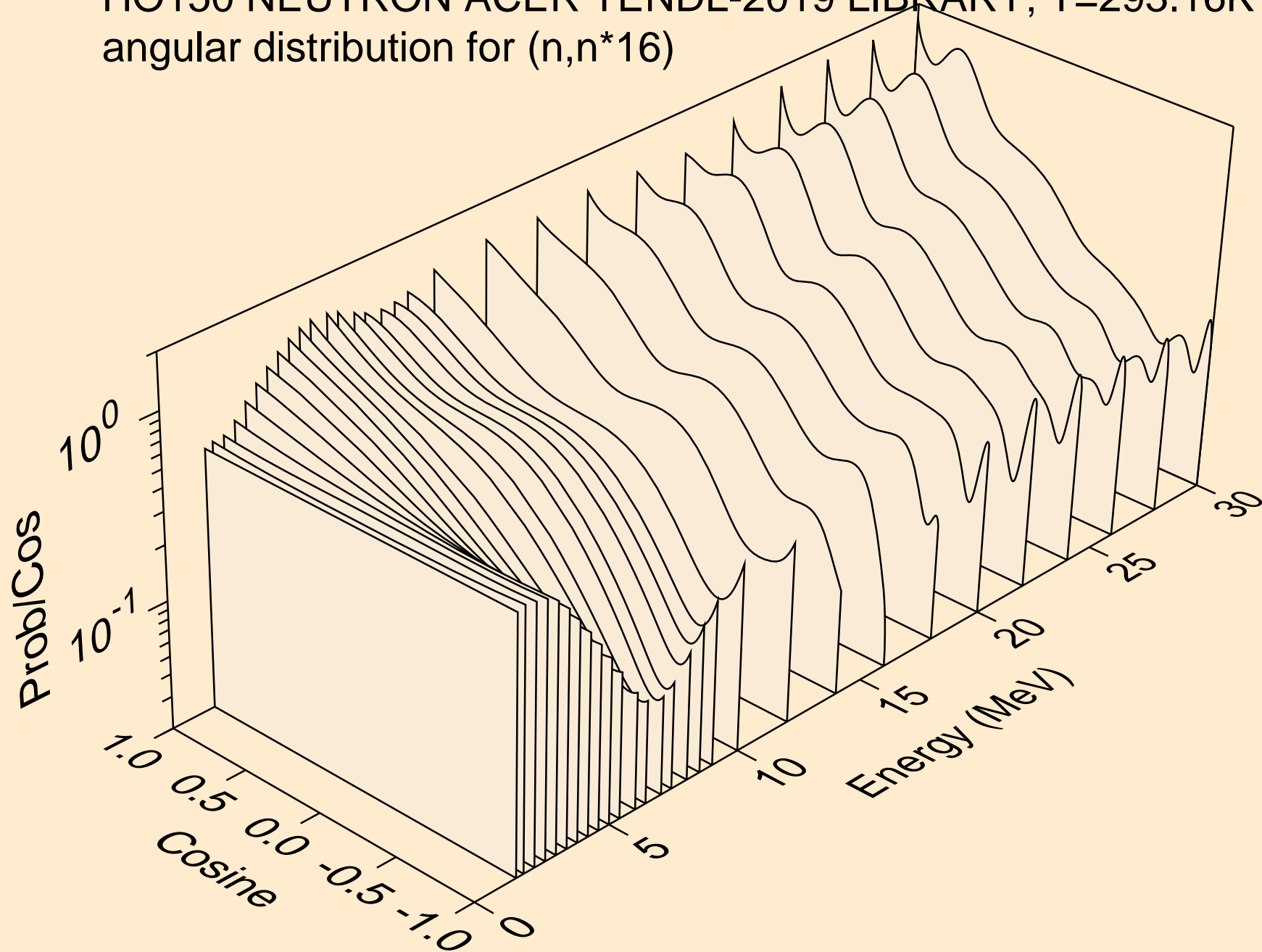


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

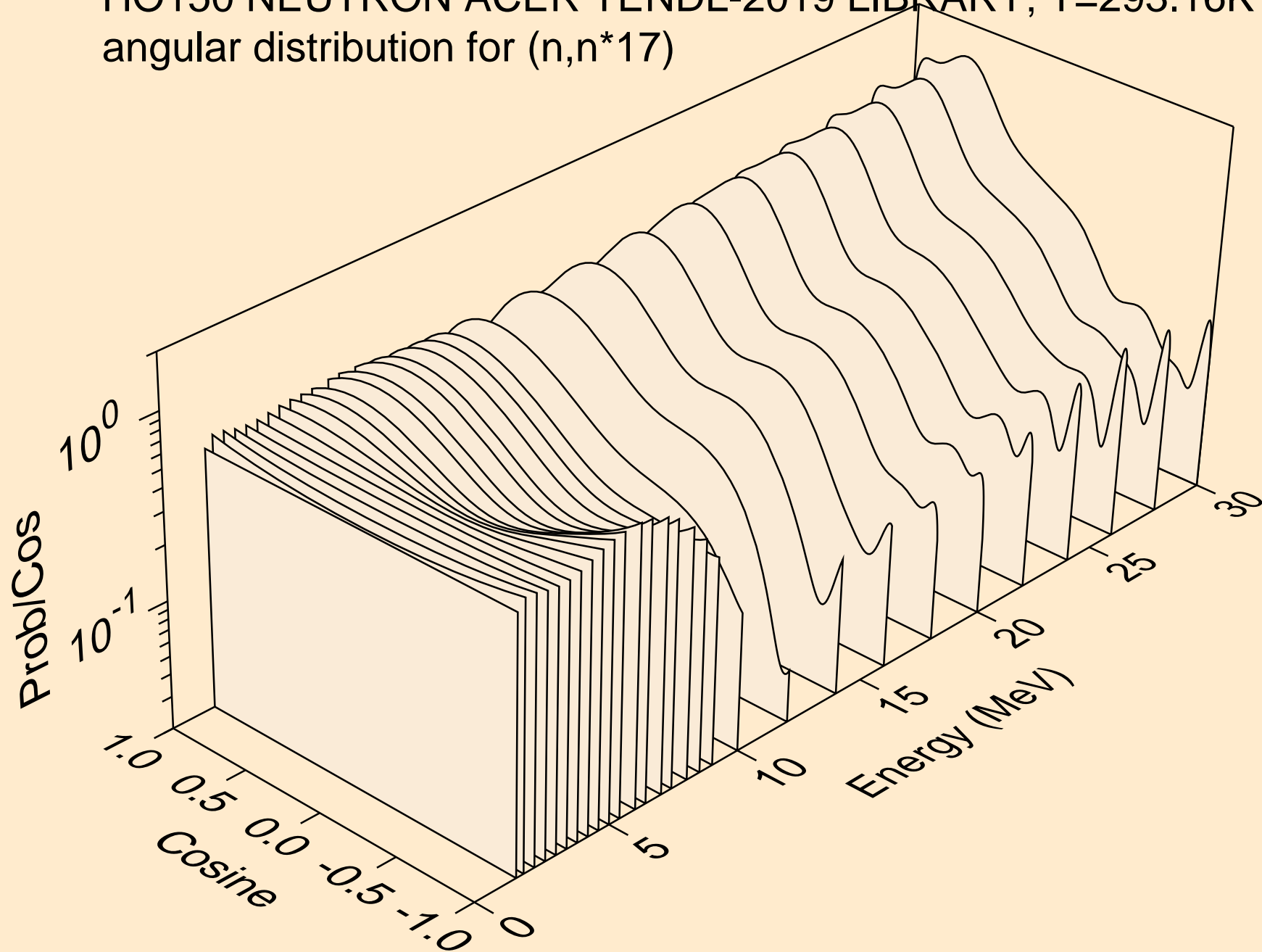




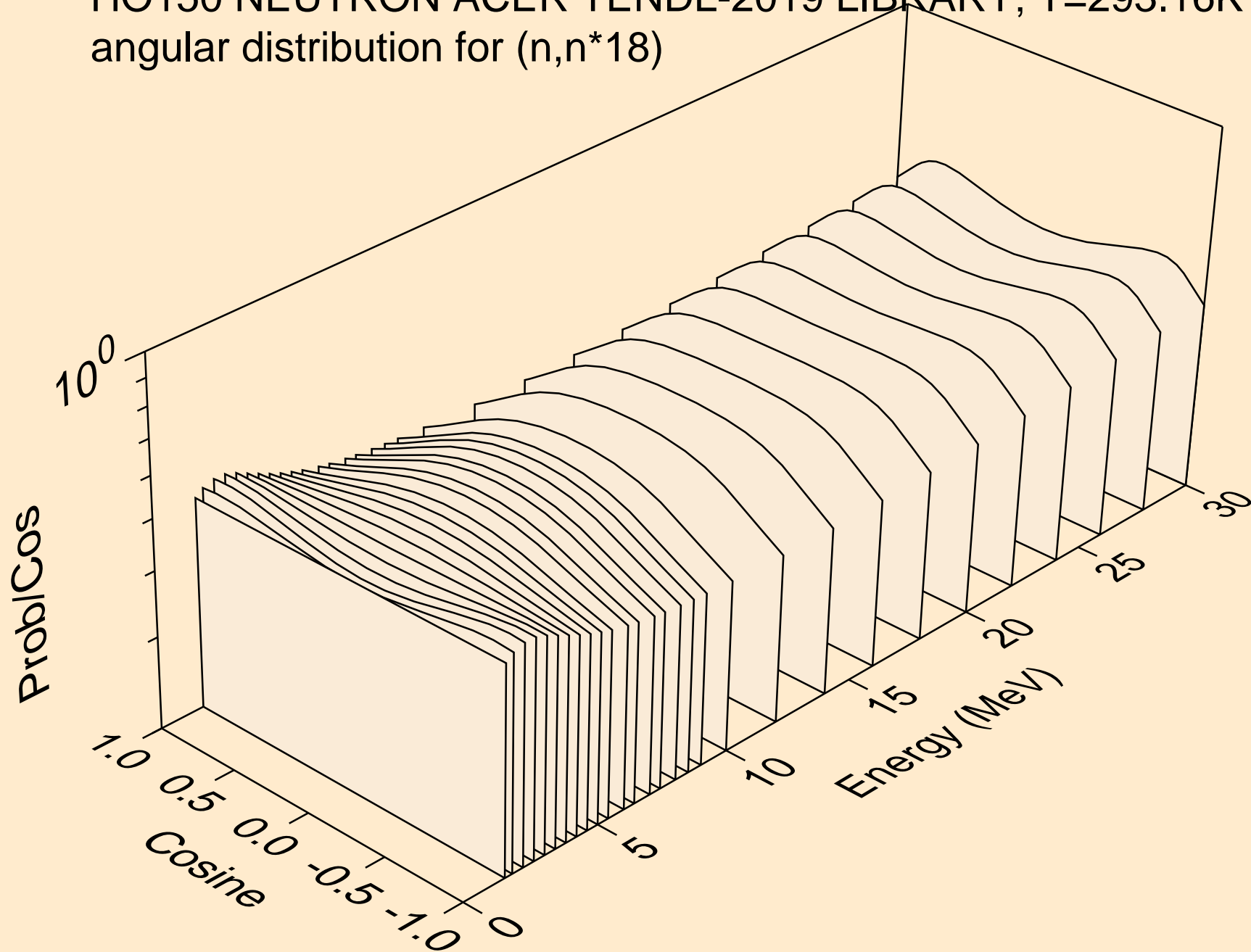
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angular distribution for (n,n\*16)



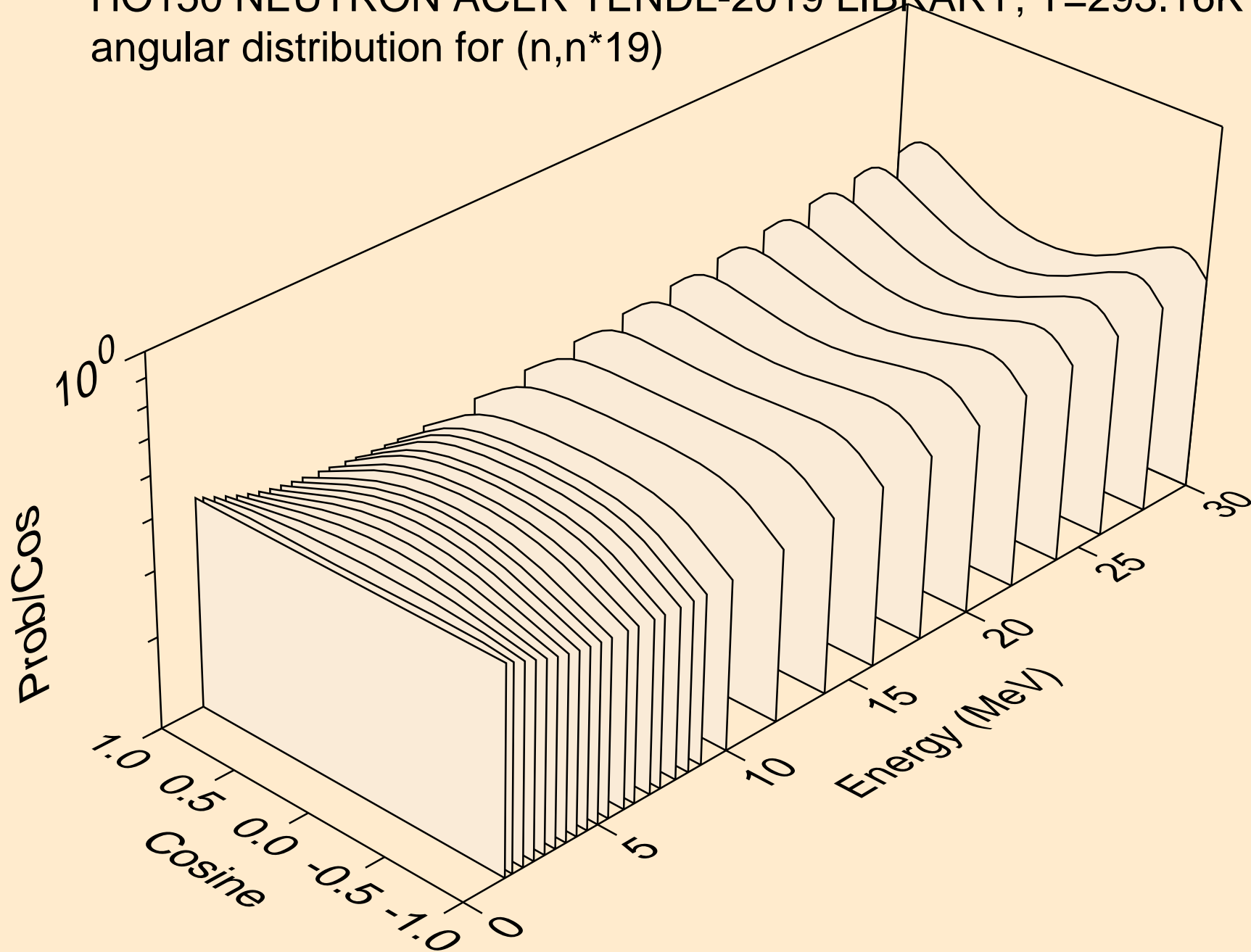
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angular distribution for (n,n\*17)



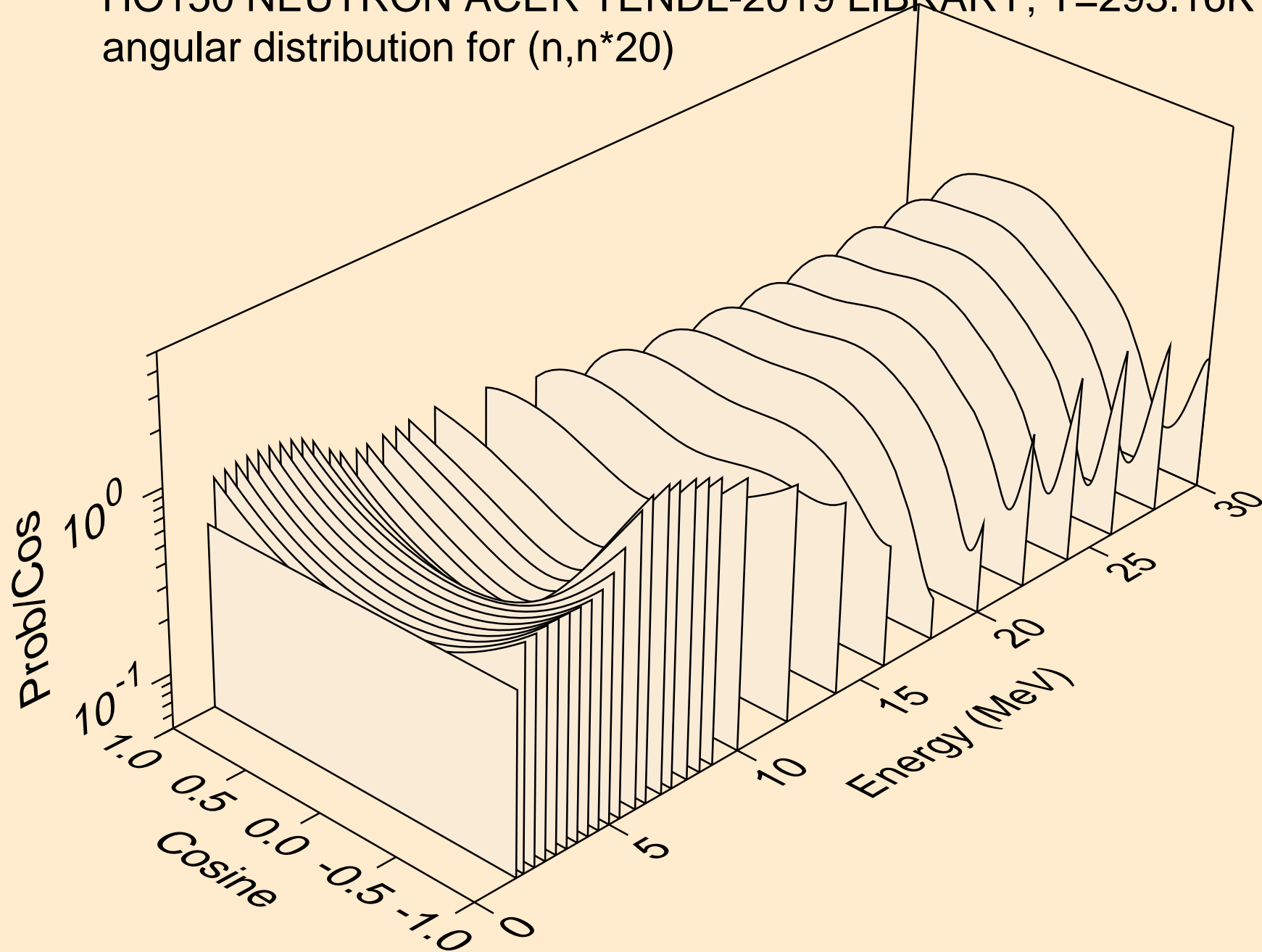
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angular distribution for (n,n\*18)



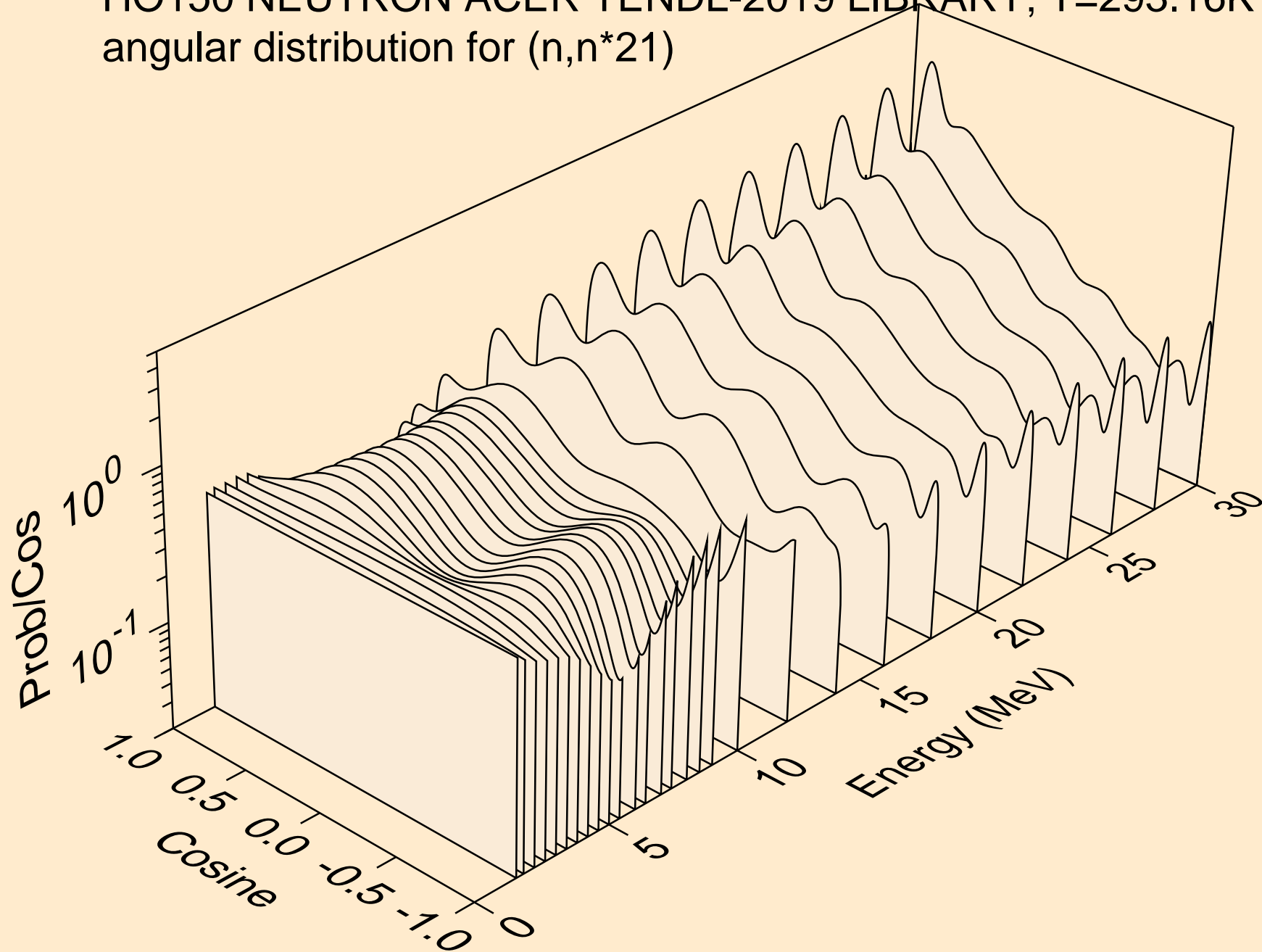
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angular distribution for (n,n\*19)



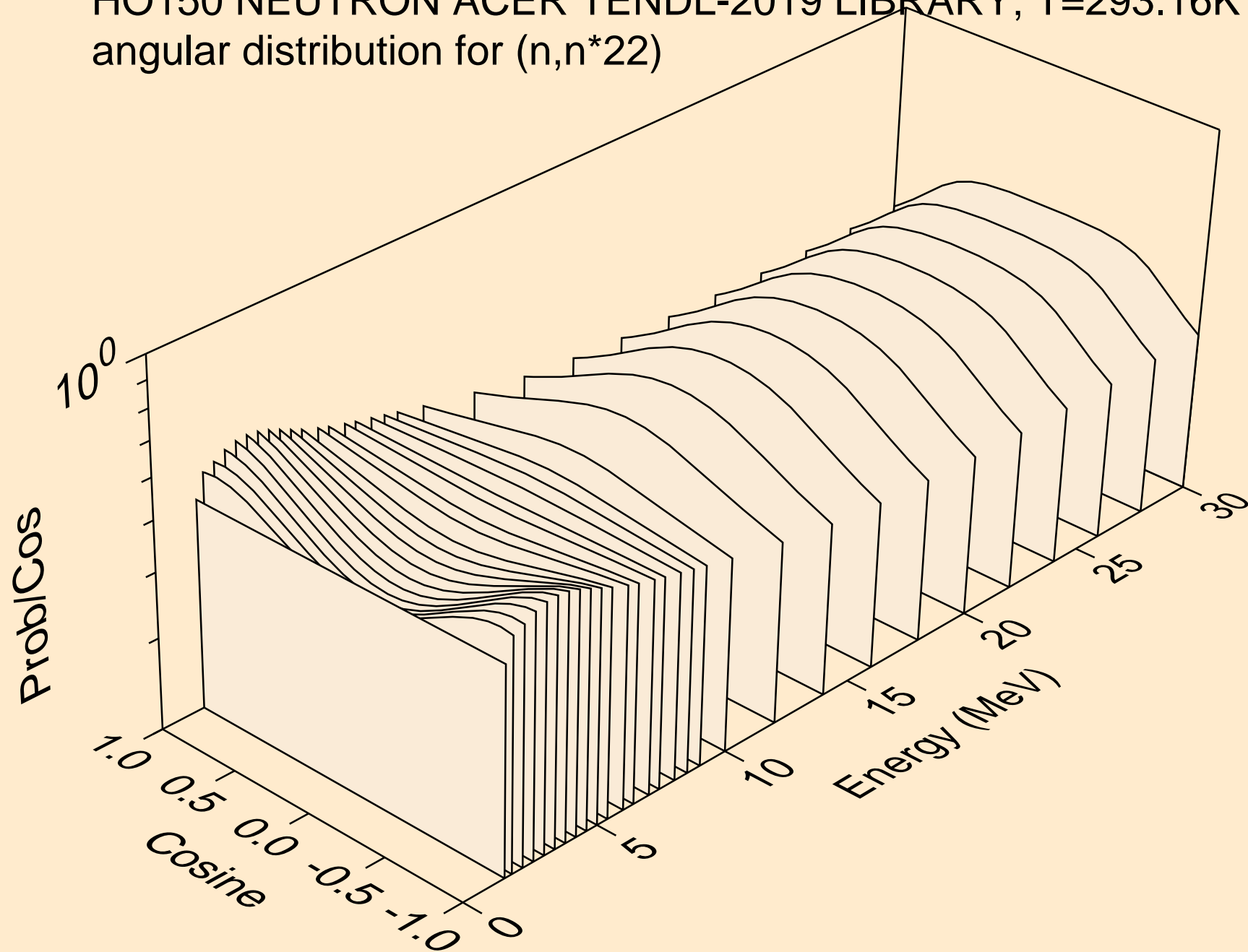
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angular distribution for (n,n\*20)



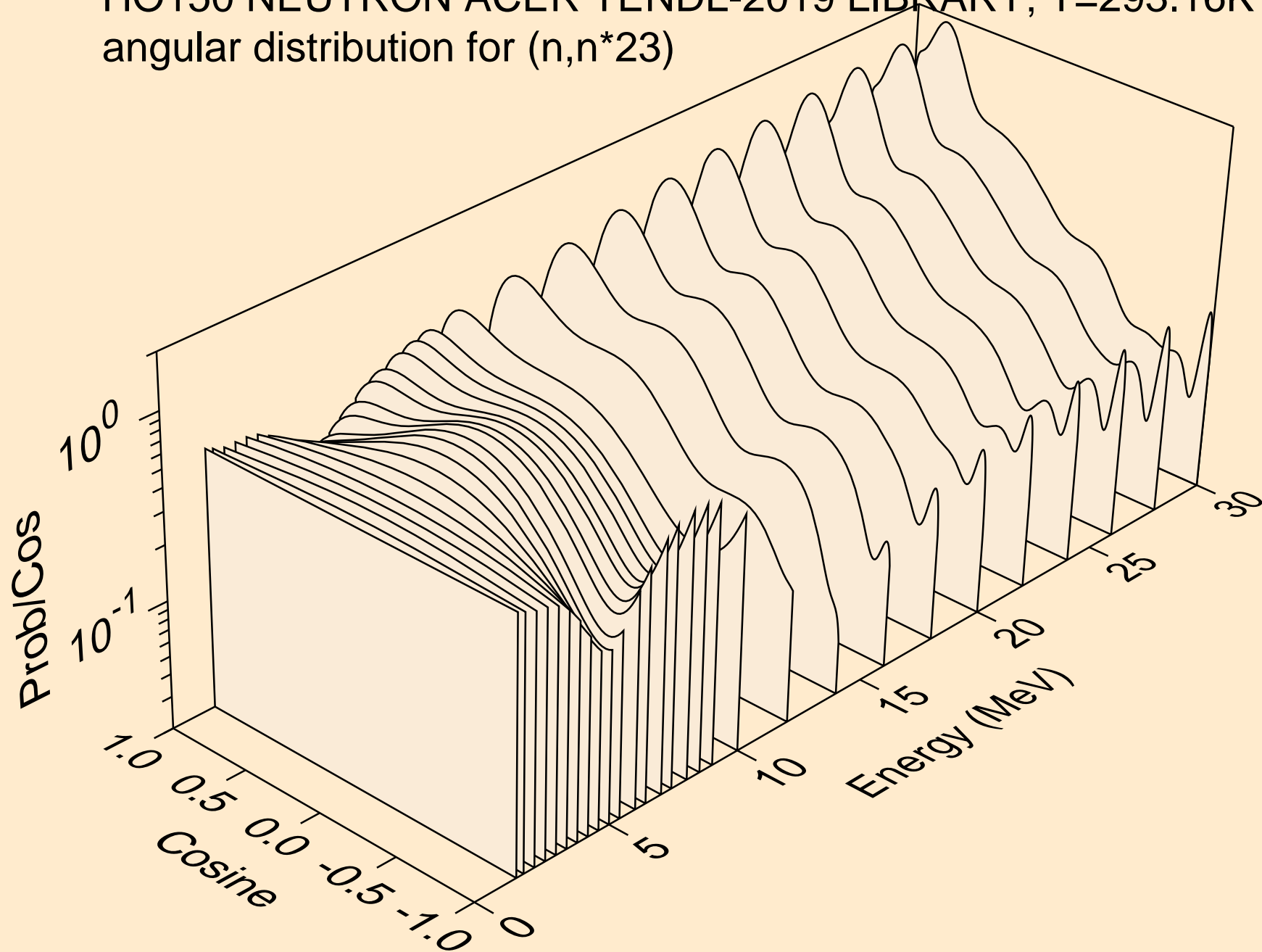
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

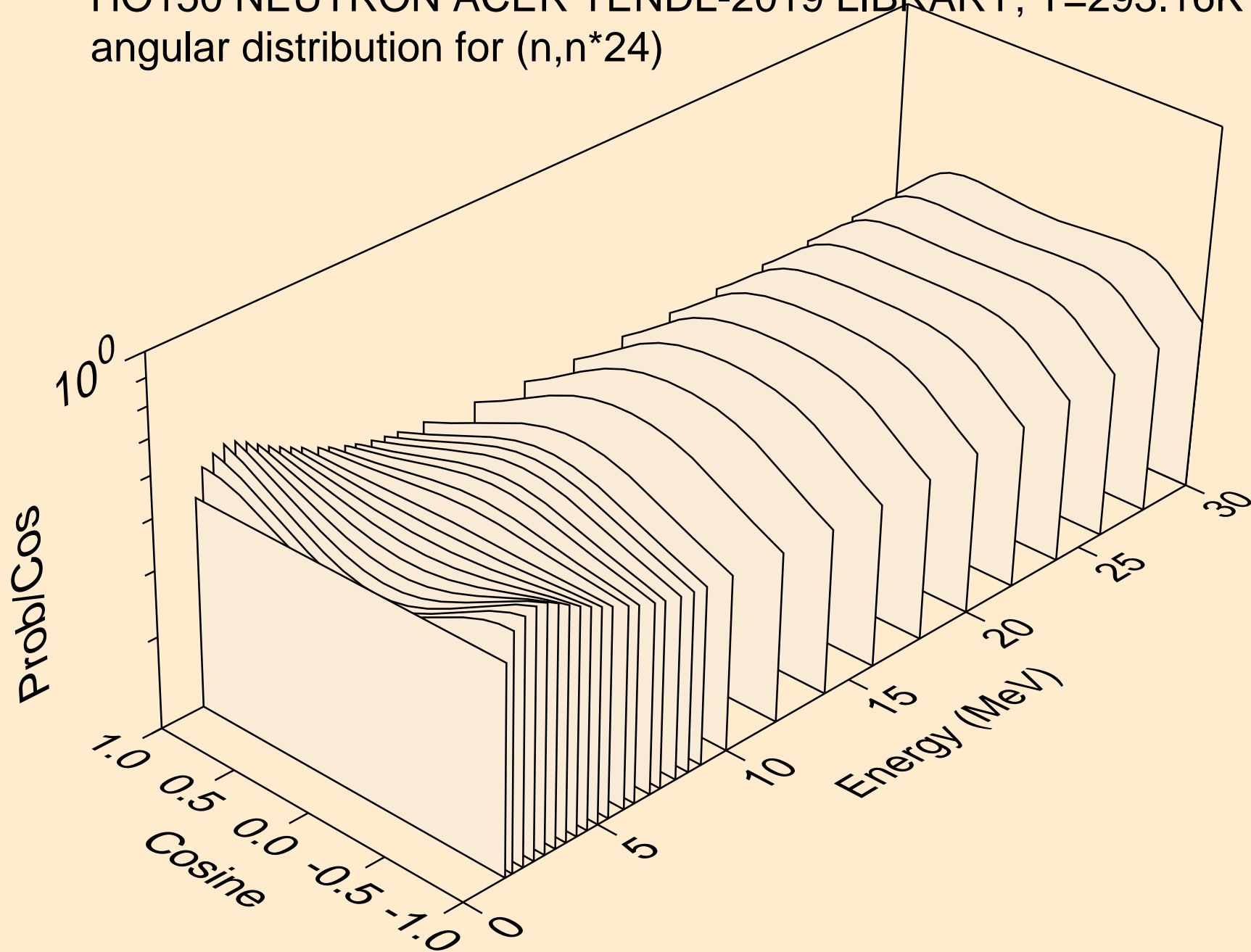


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

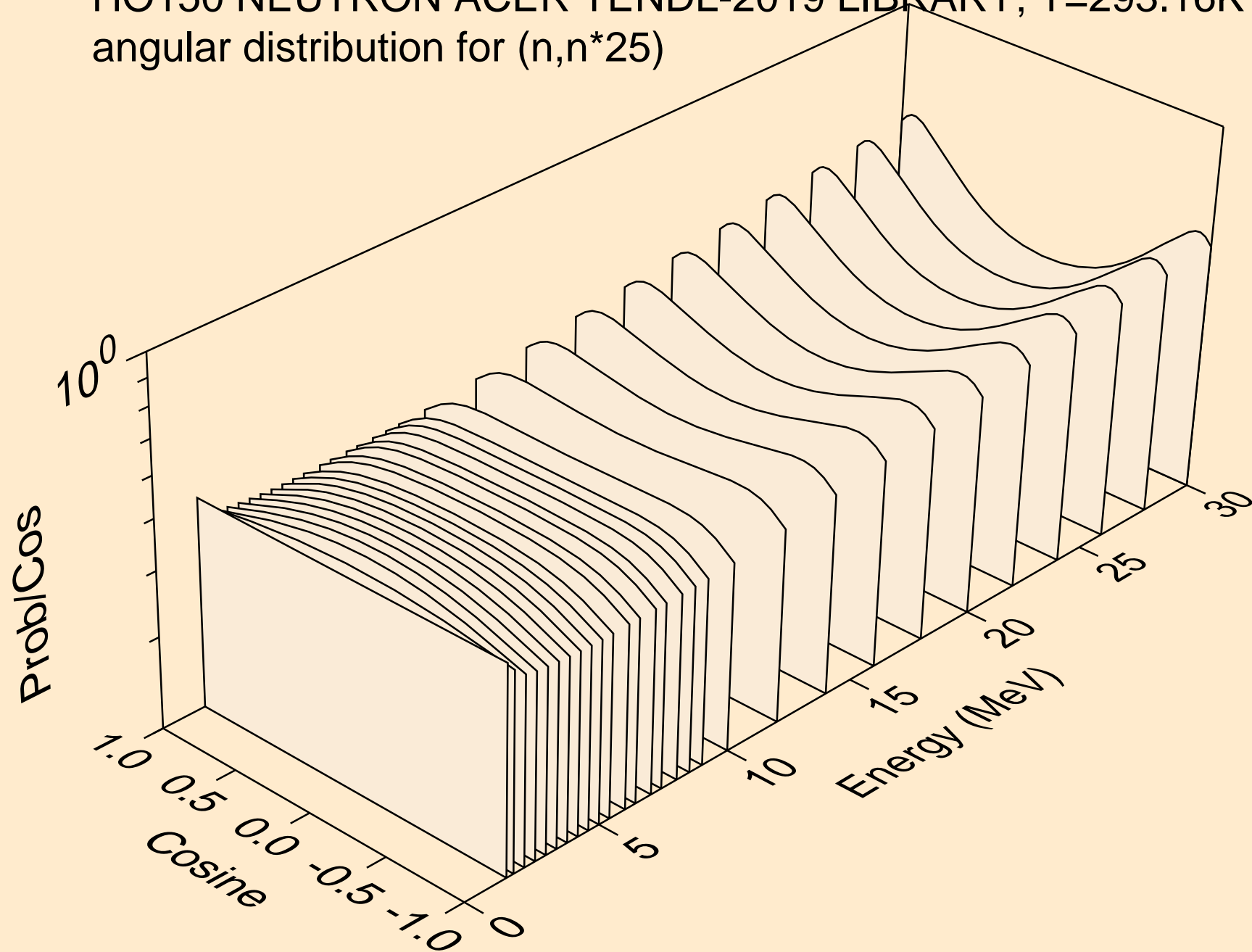




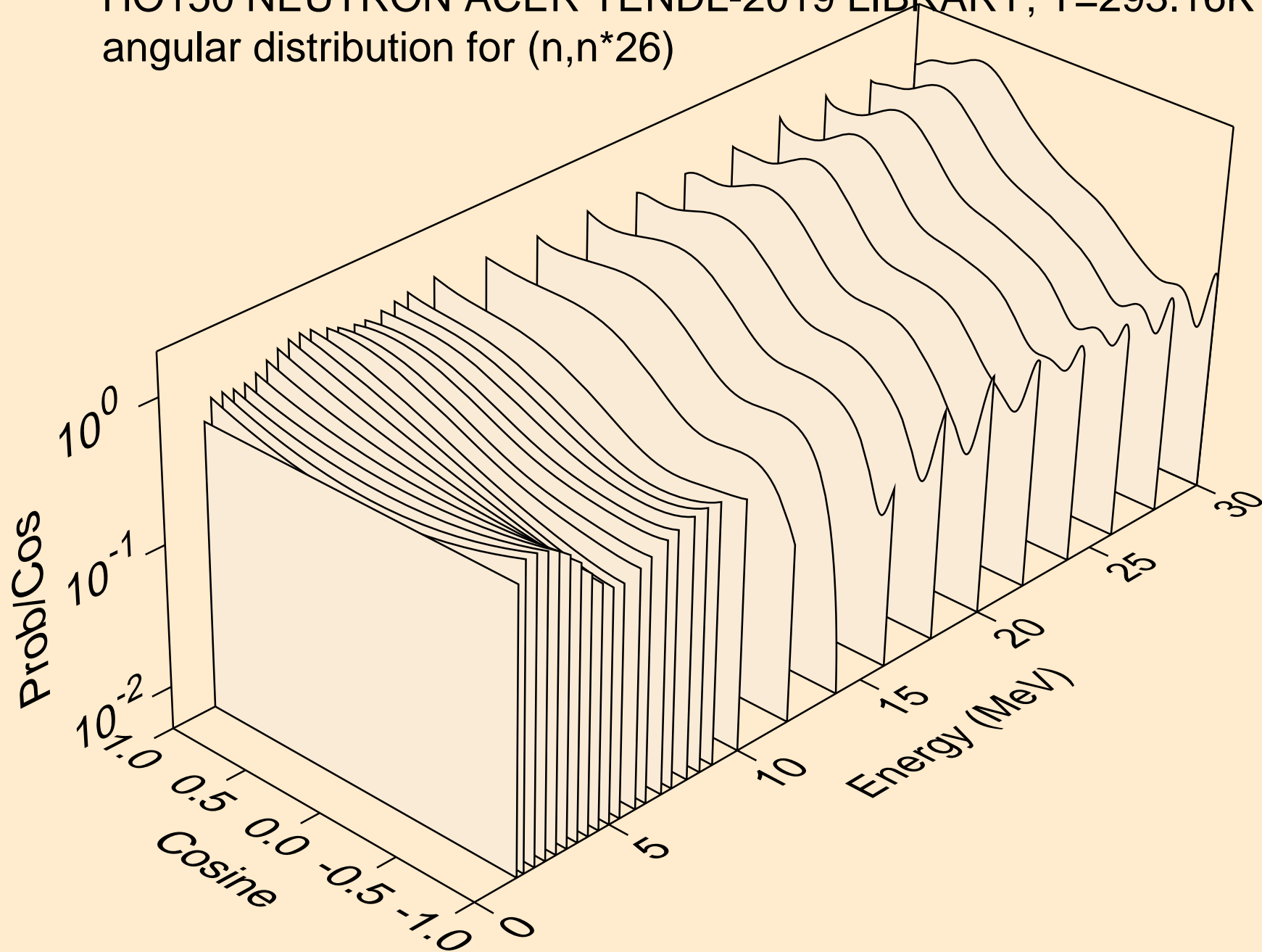
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angular distribution for (n,n\*24)



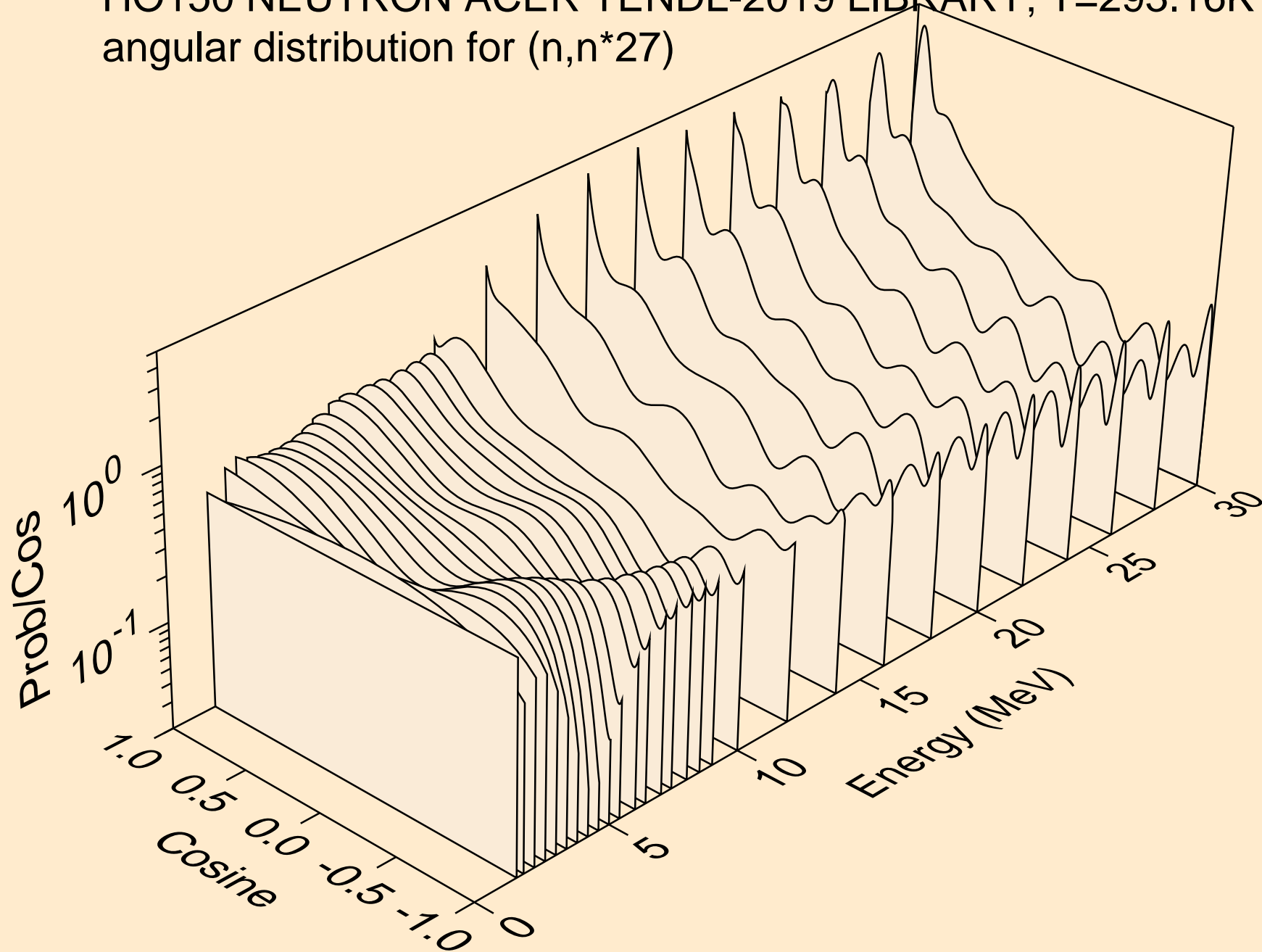
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angular distribution for (n,n\*25)



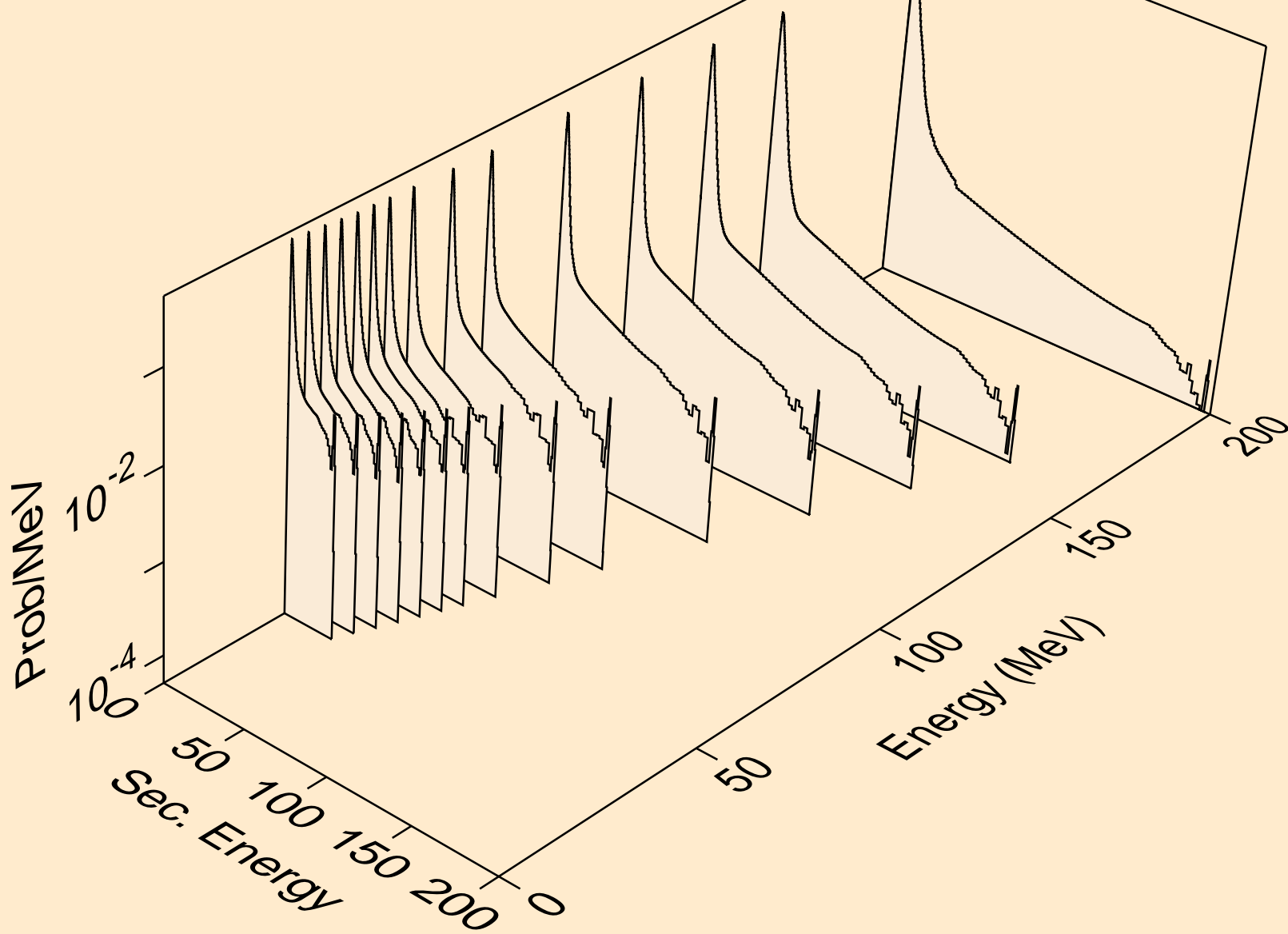
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angular distribution for (n,n\*26)



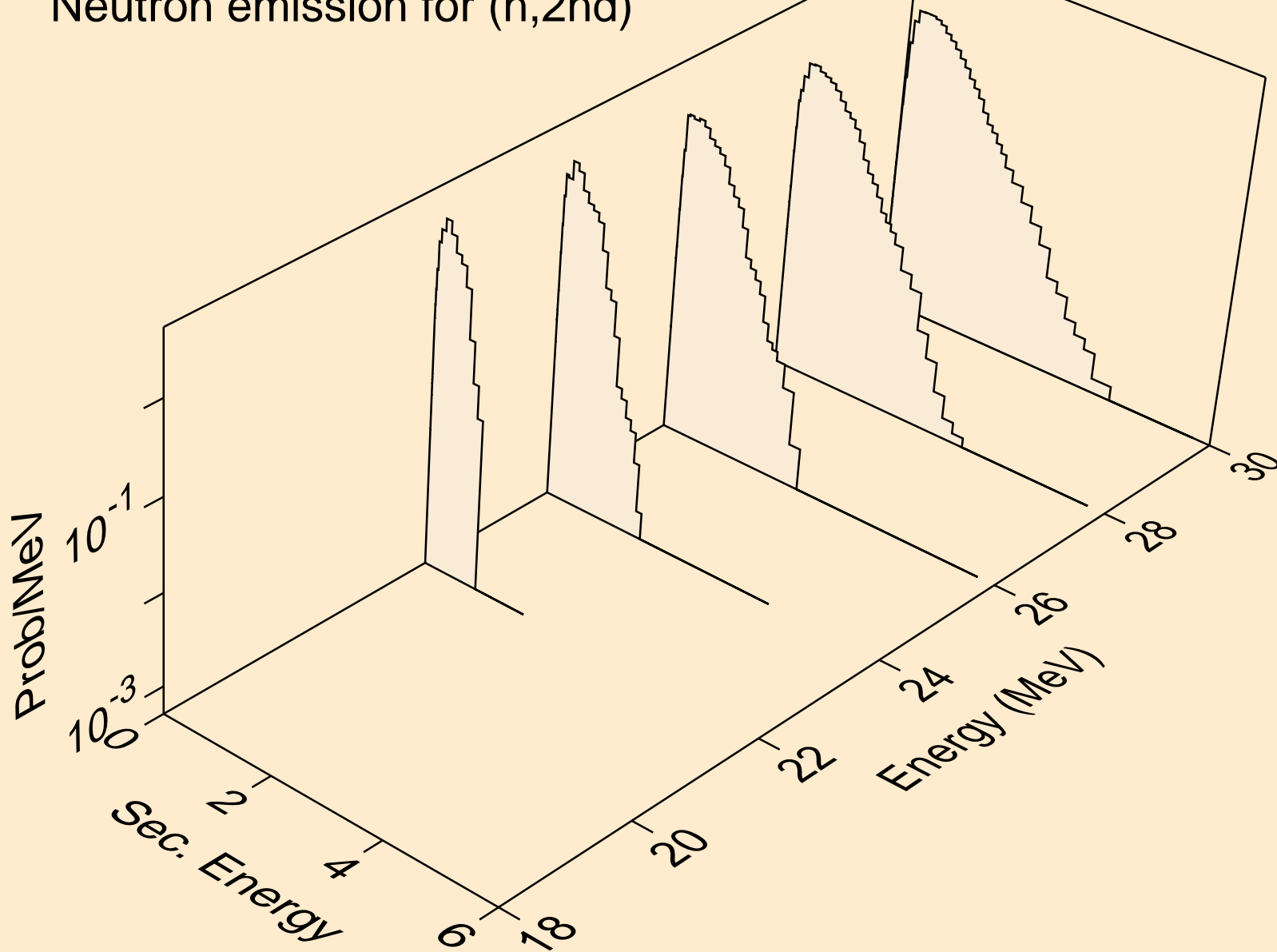
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



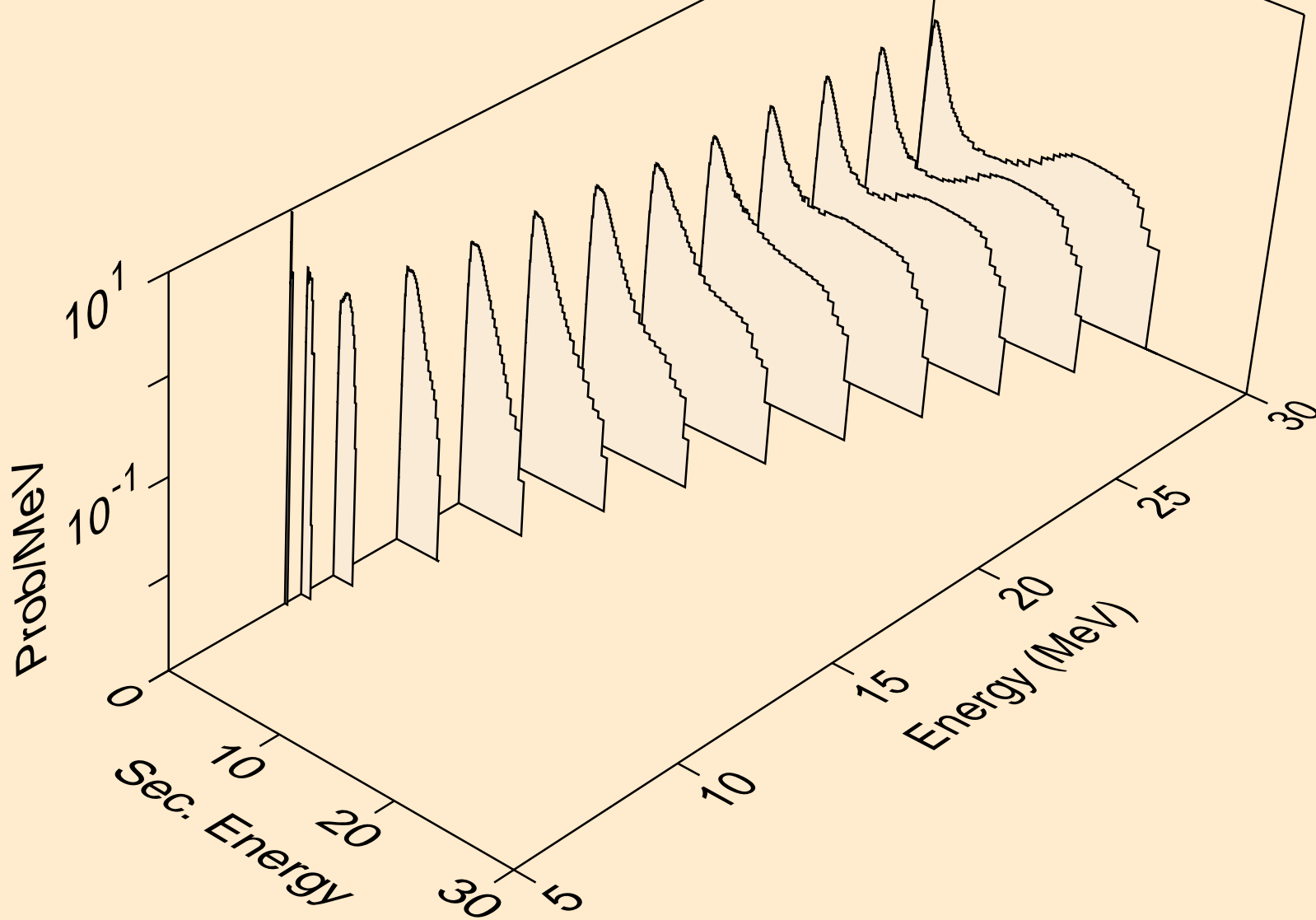
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



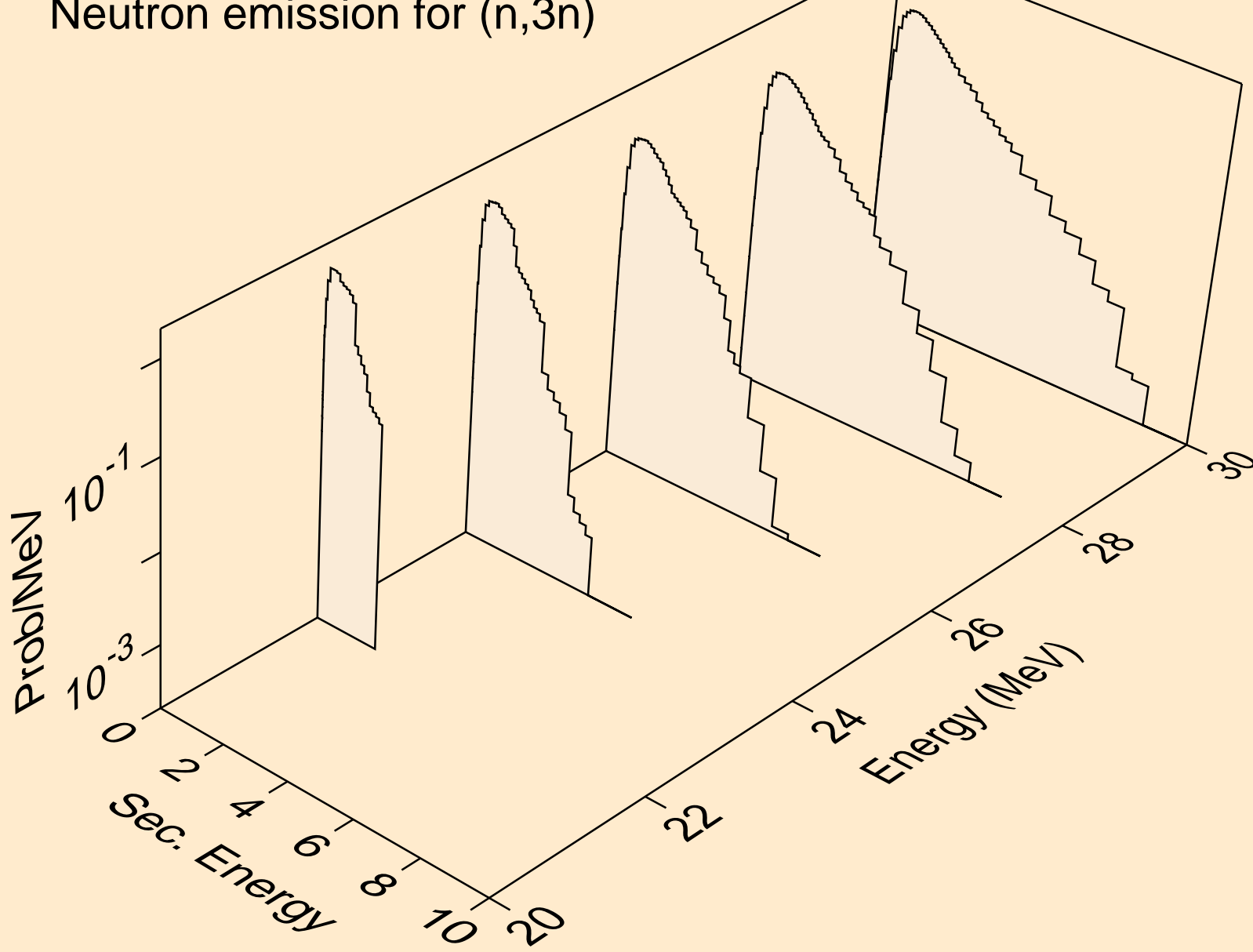
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

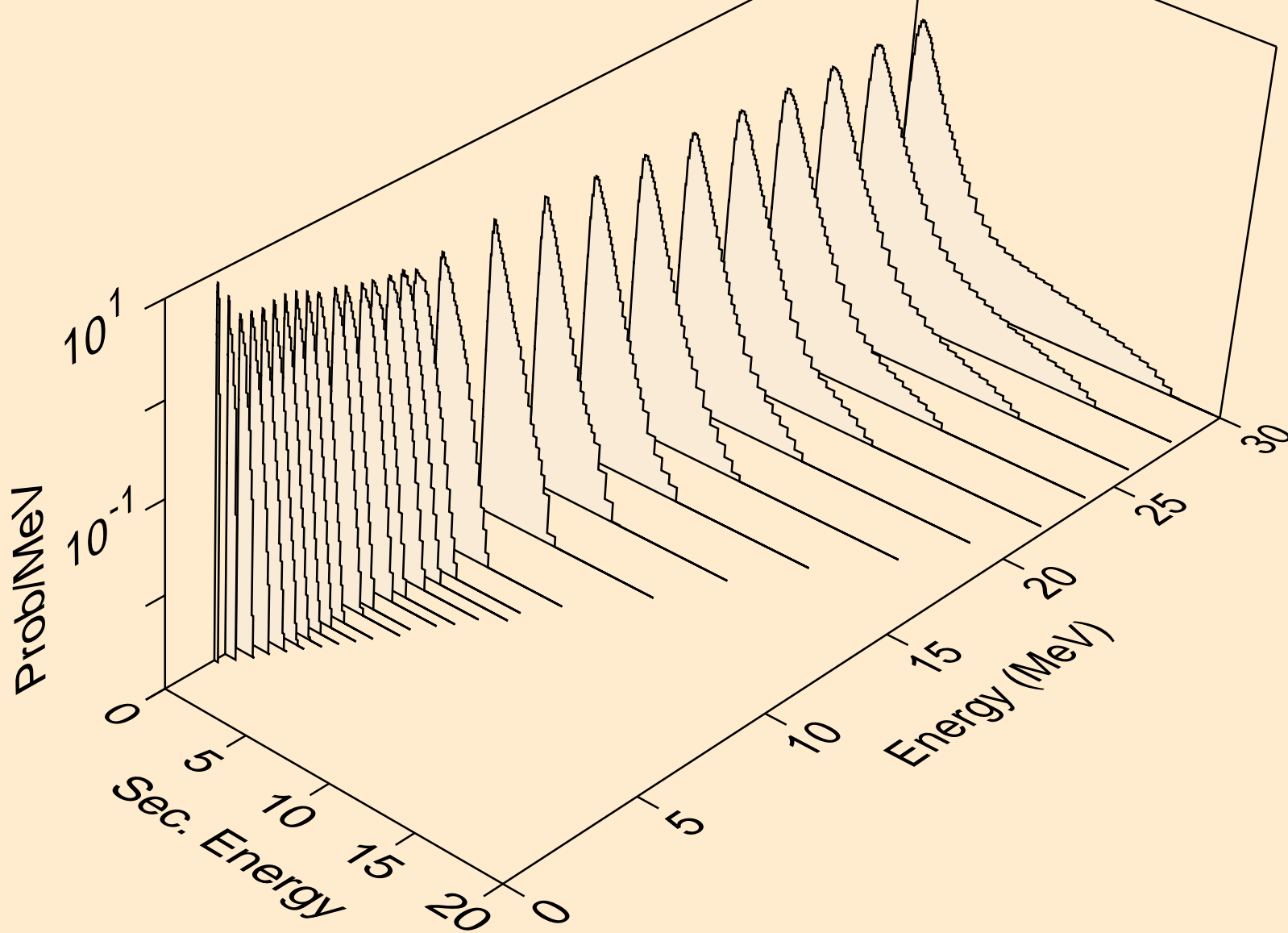


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

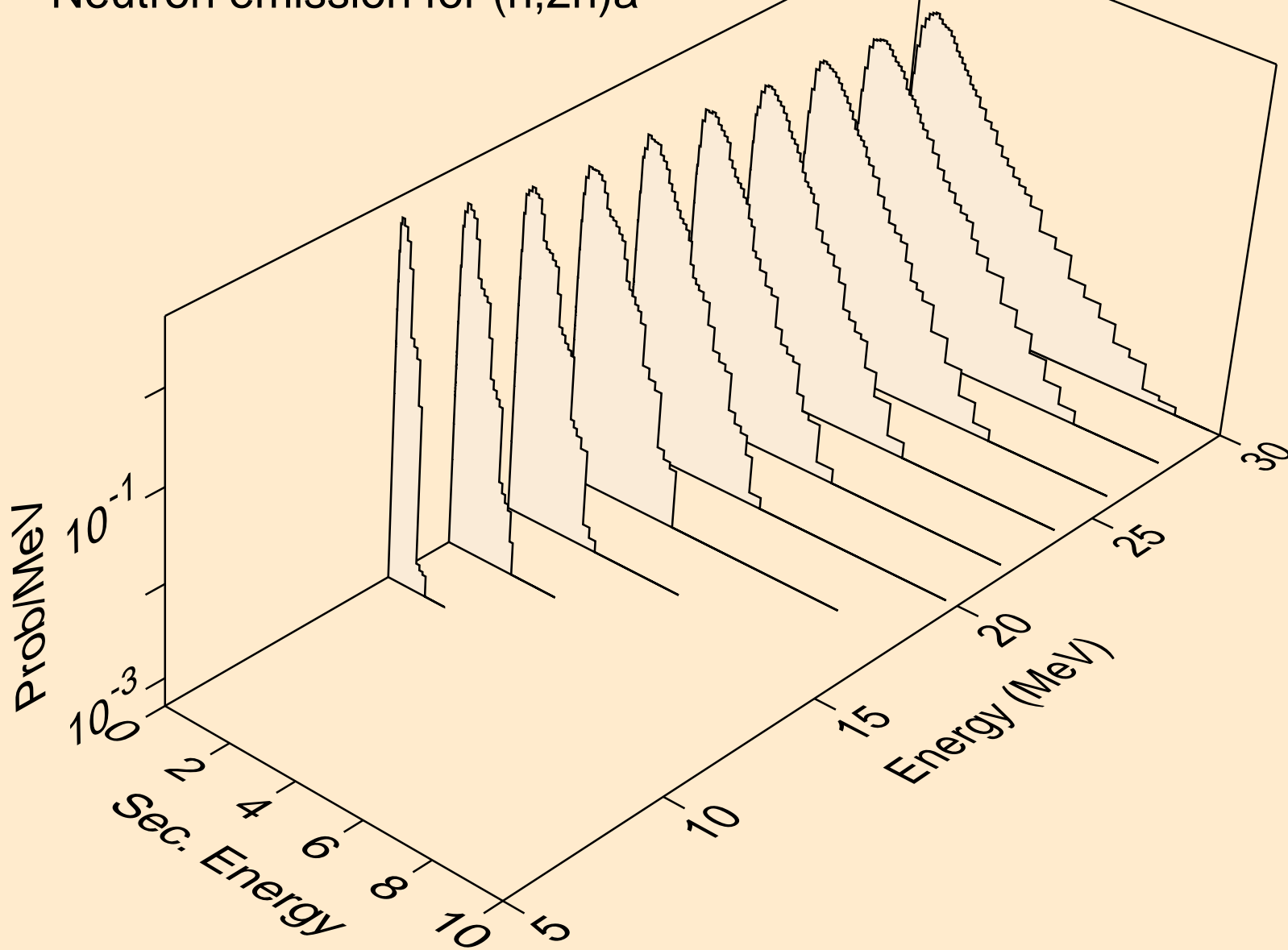




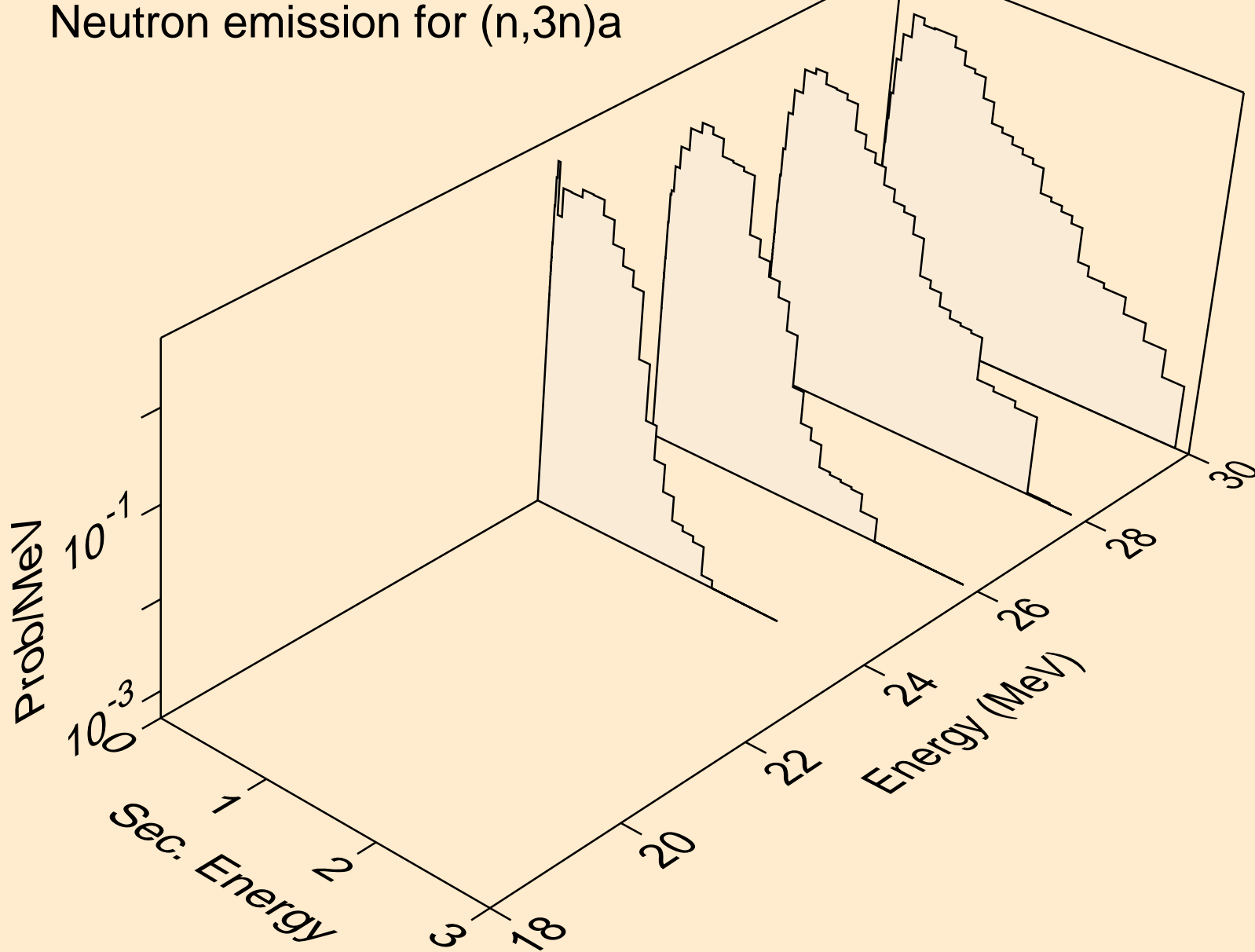
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



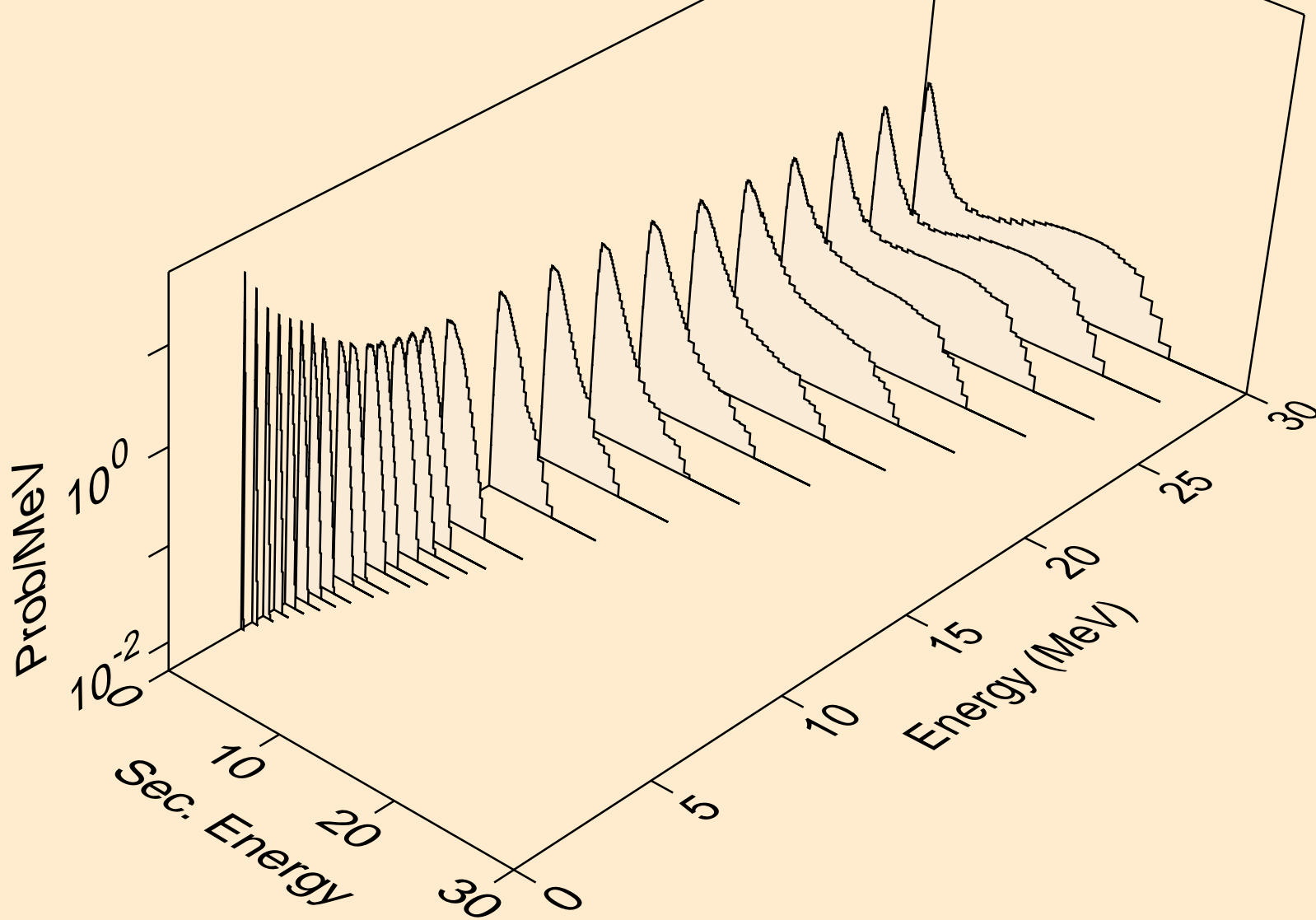
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



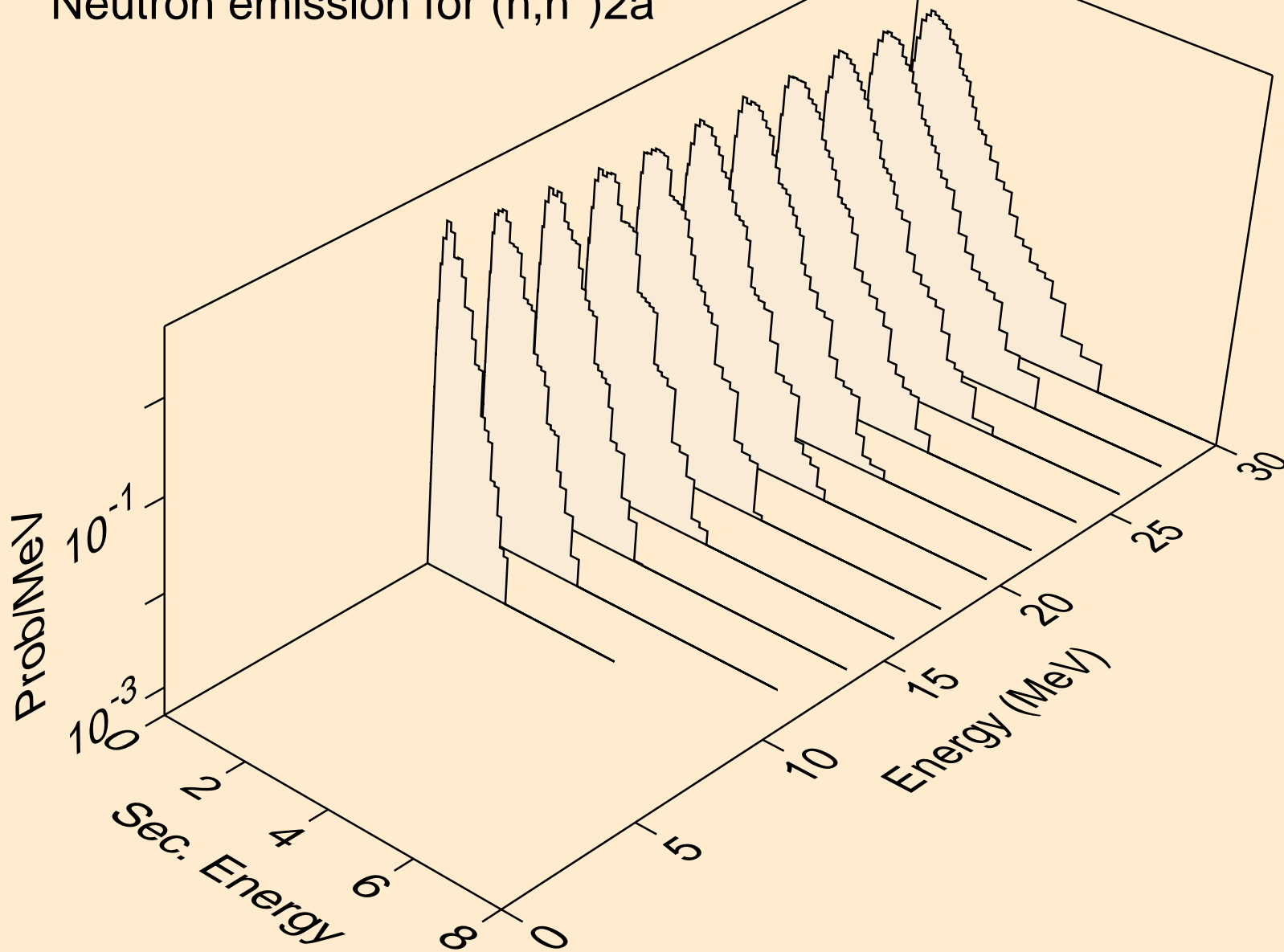
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



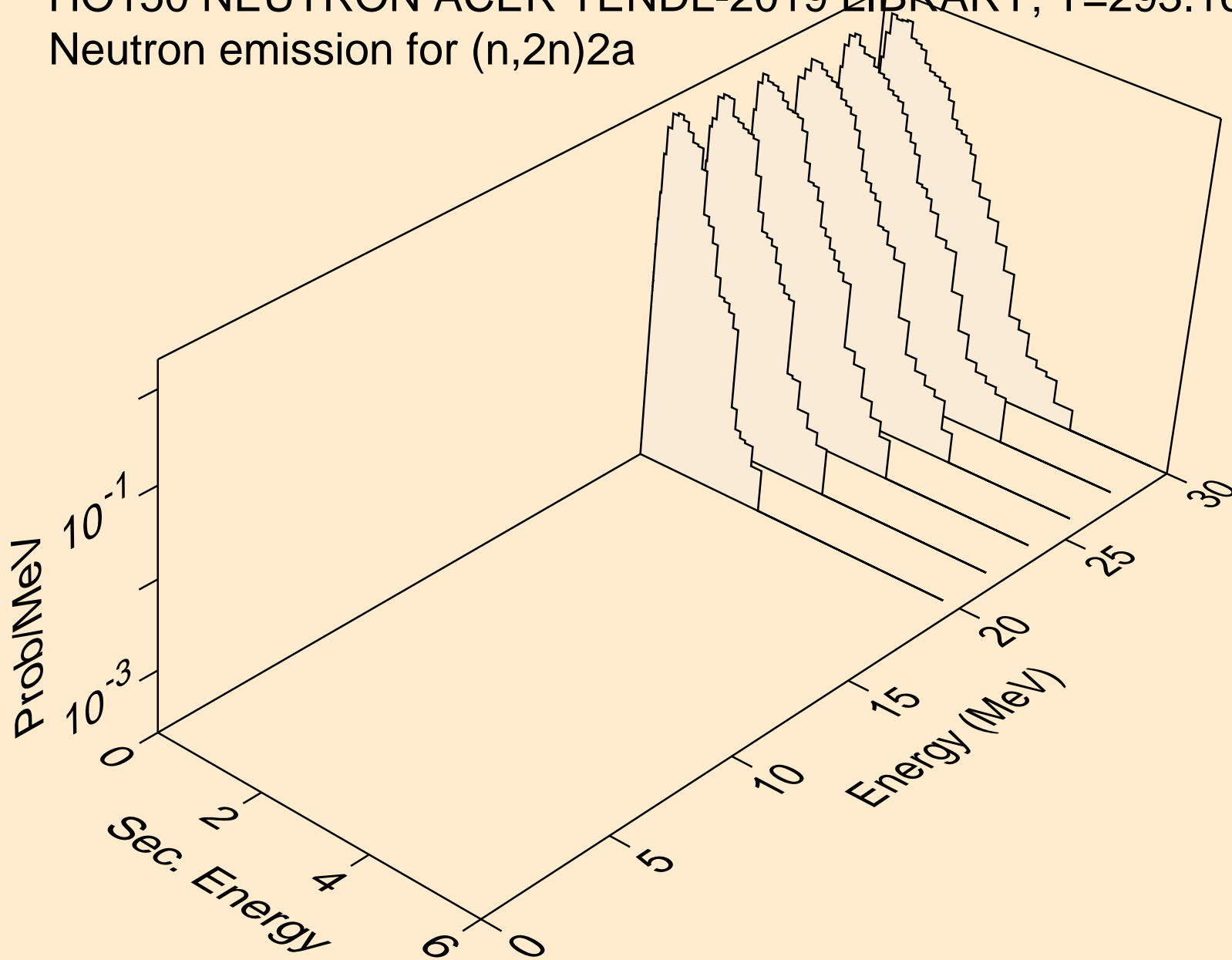
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



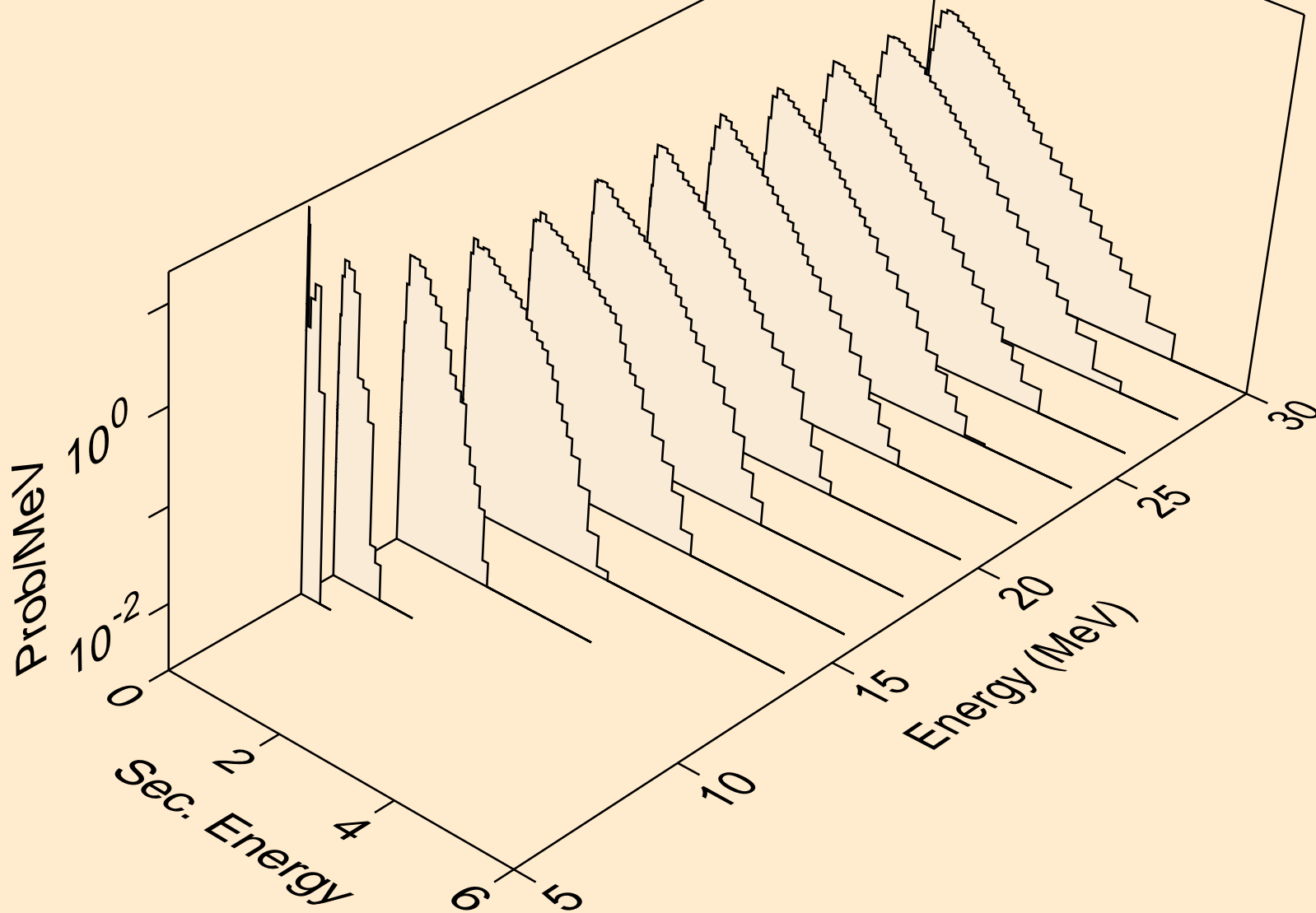
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



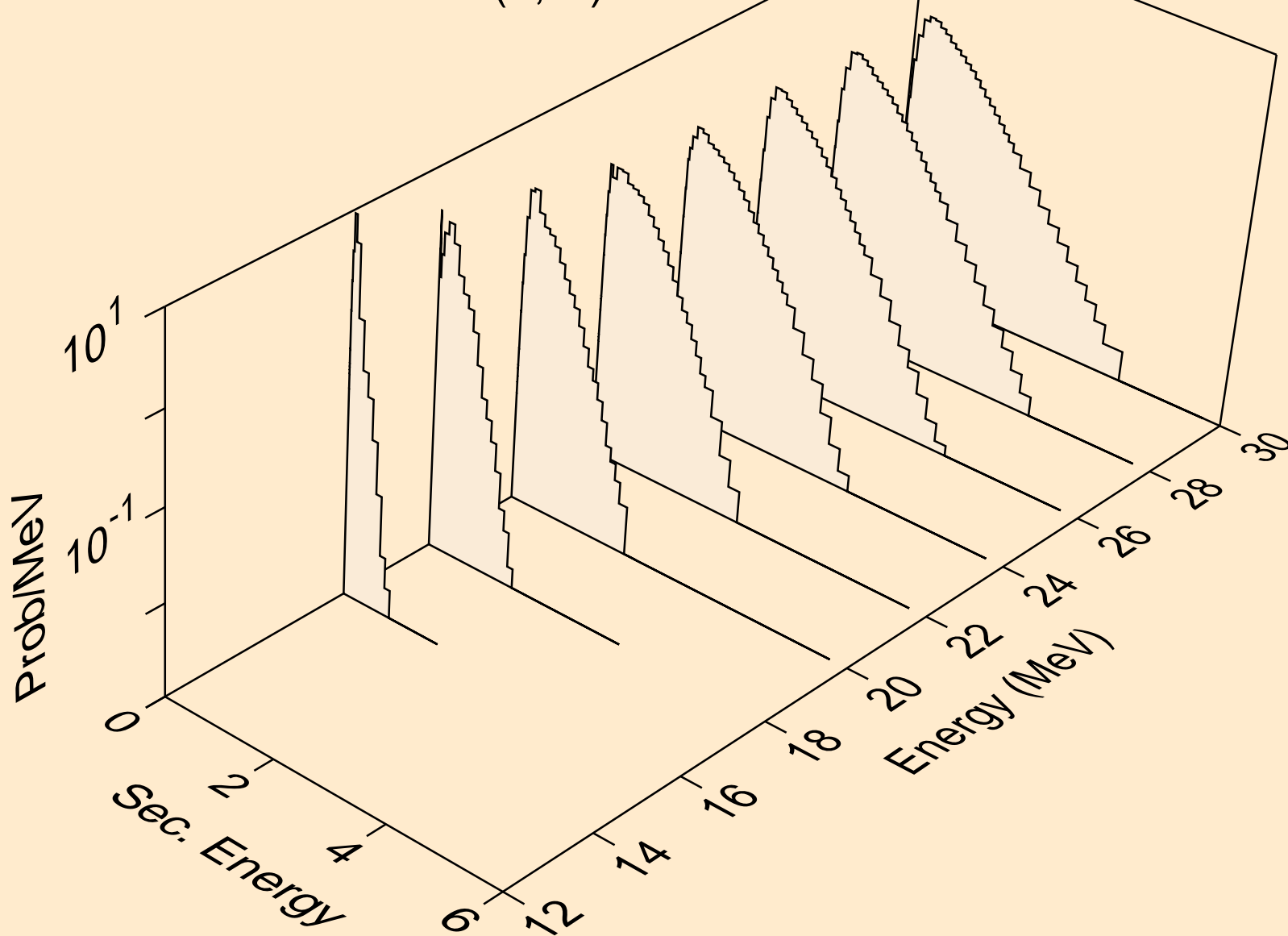
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

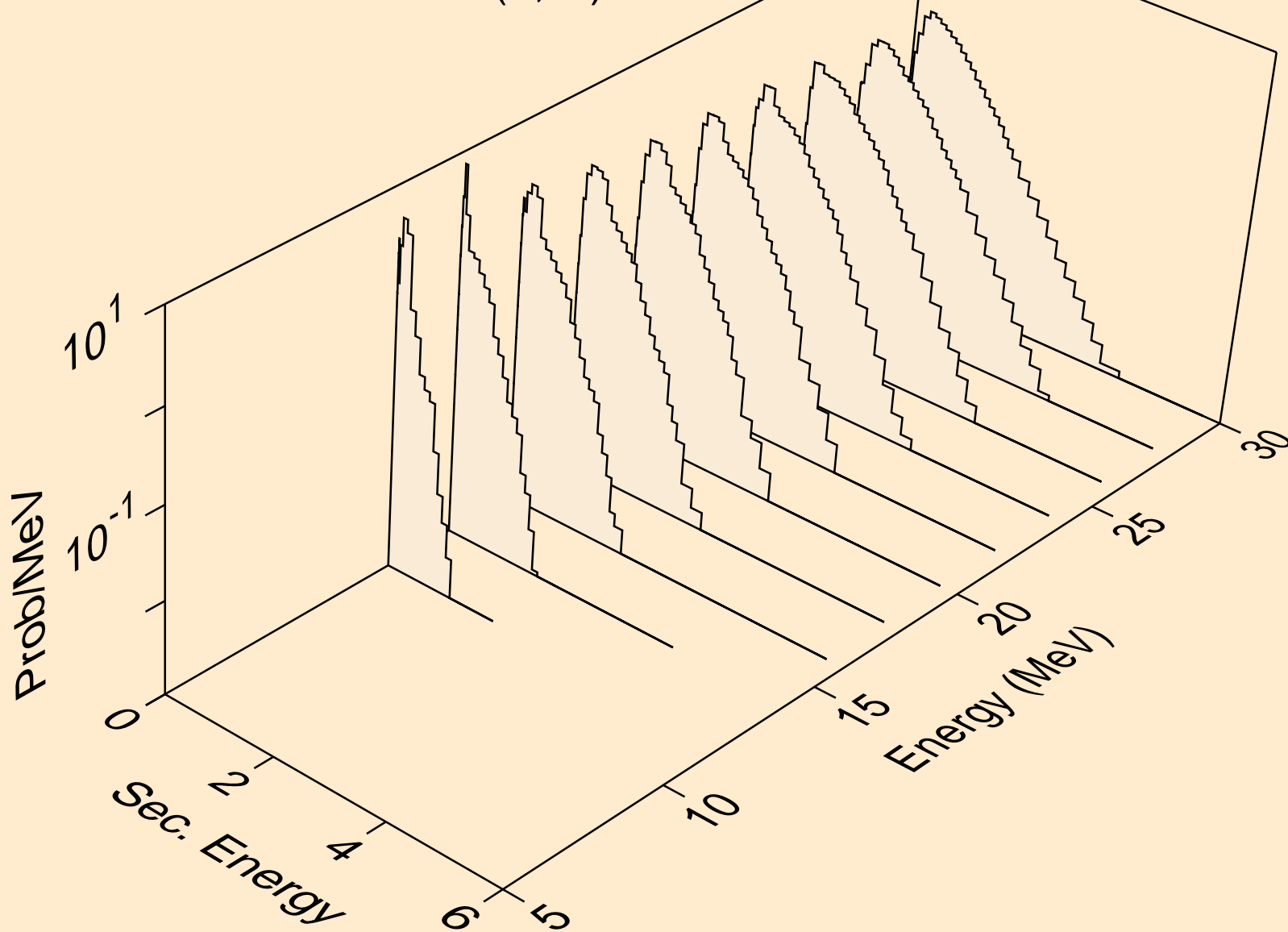


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

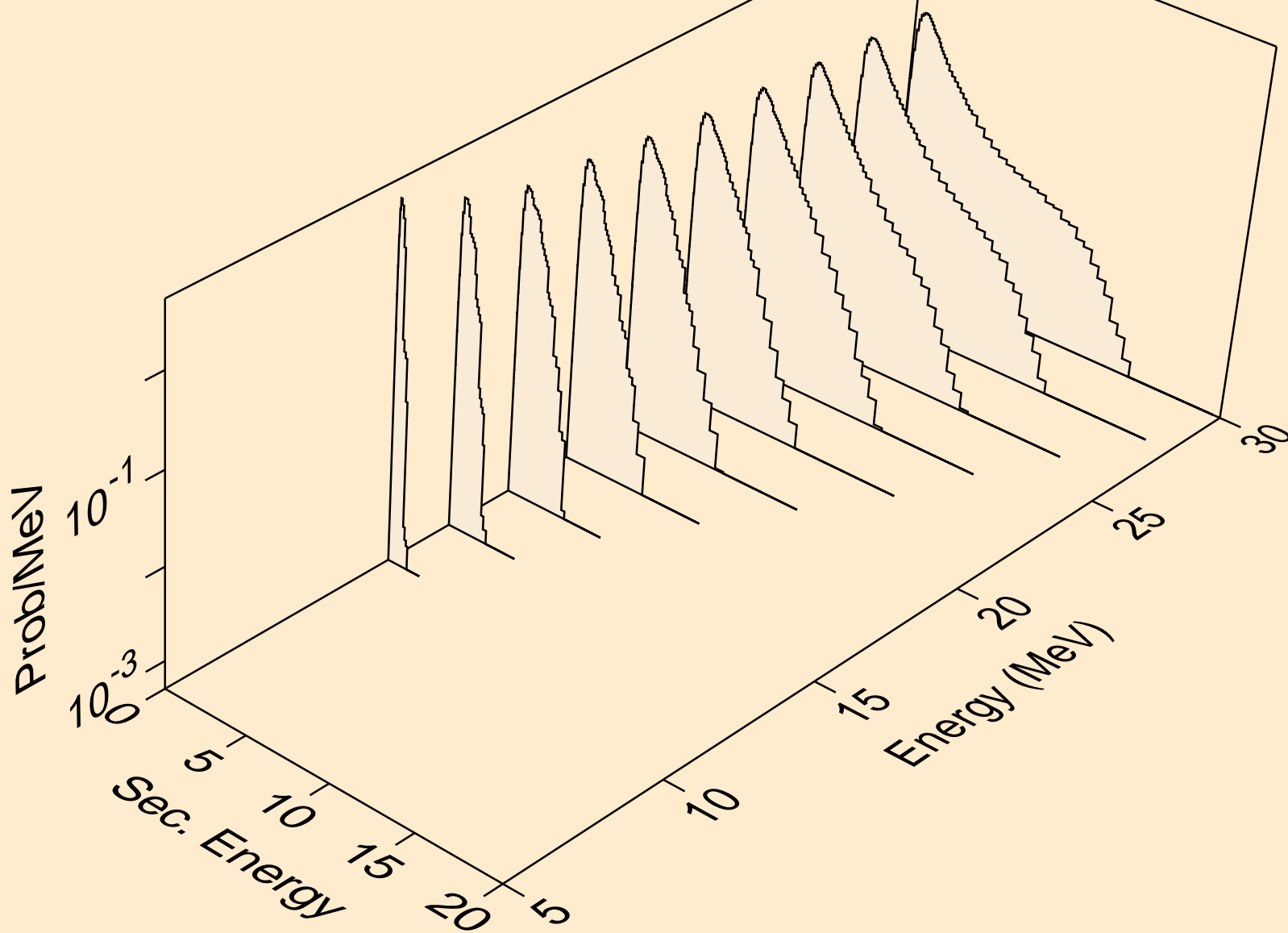




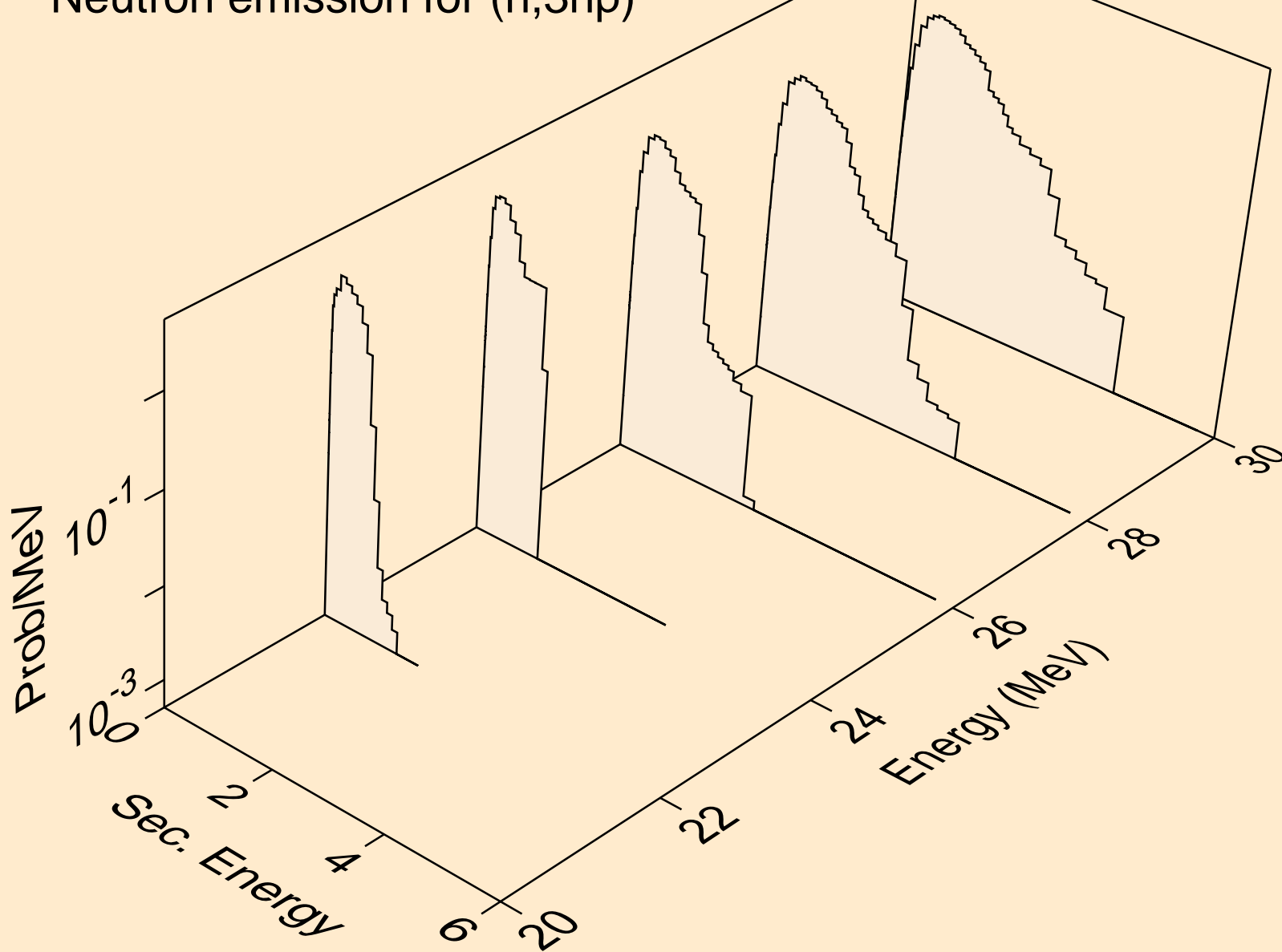
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Neutron emission for (n,n\*)he3



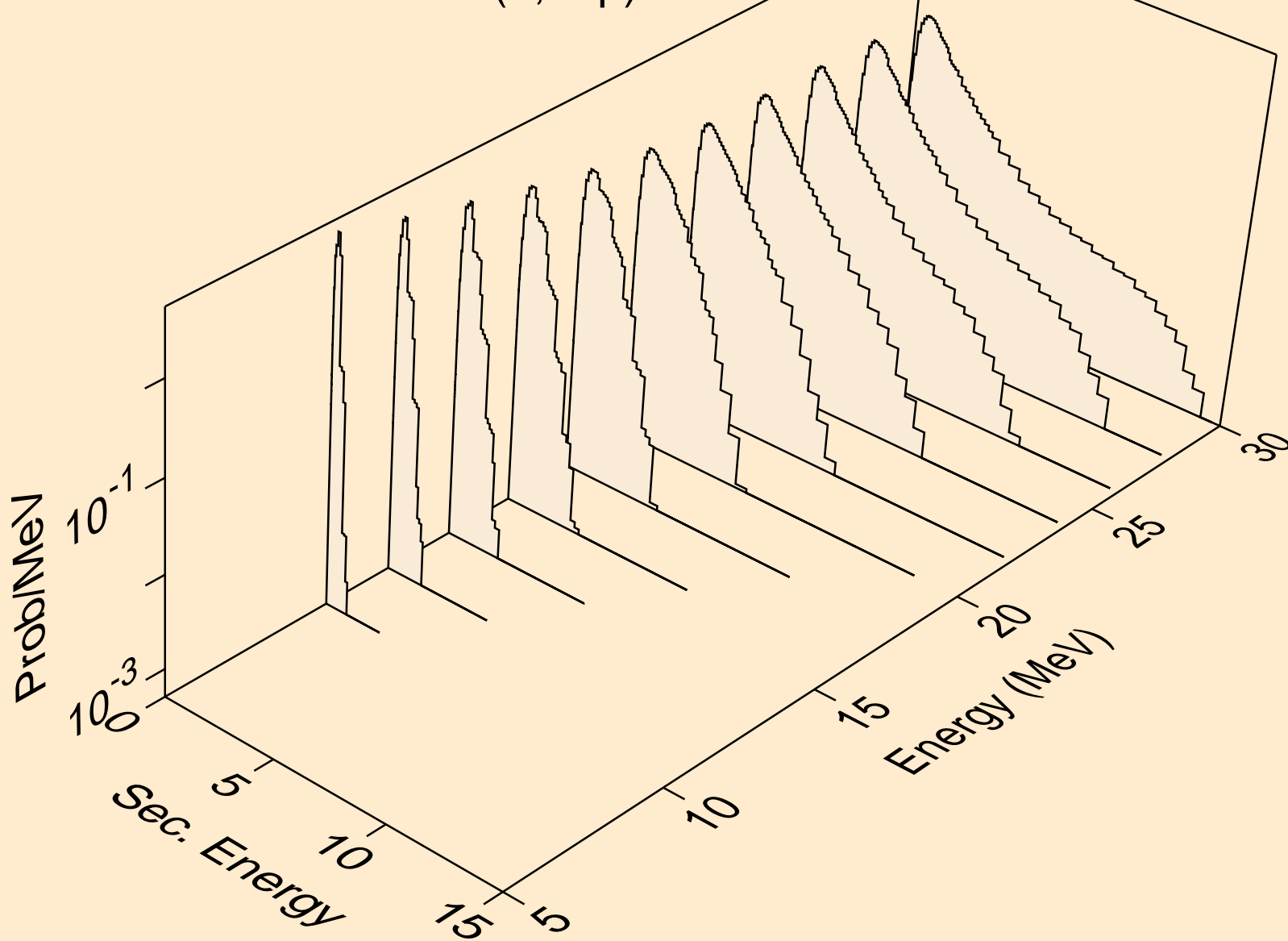
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Neutron emission for (n,2np)



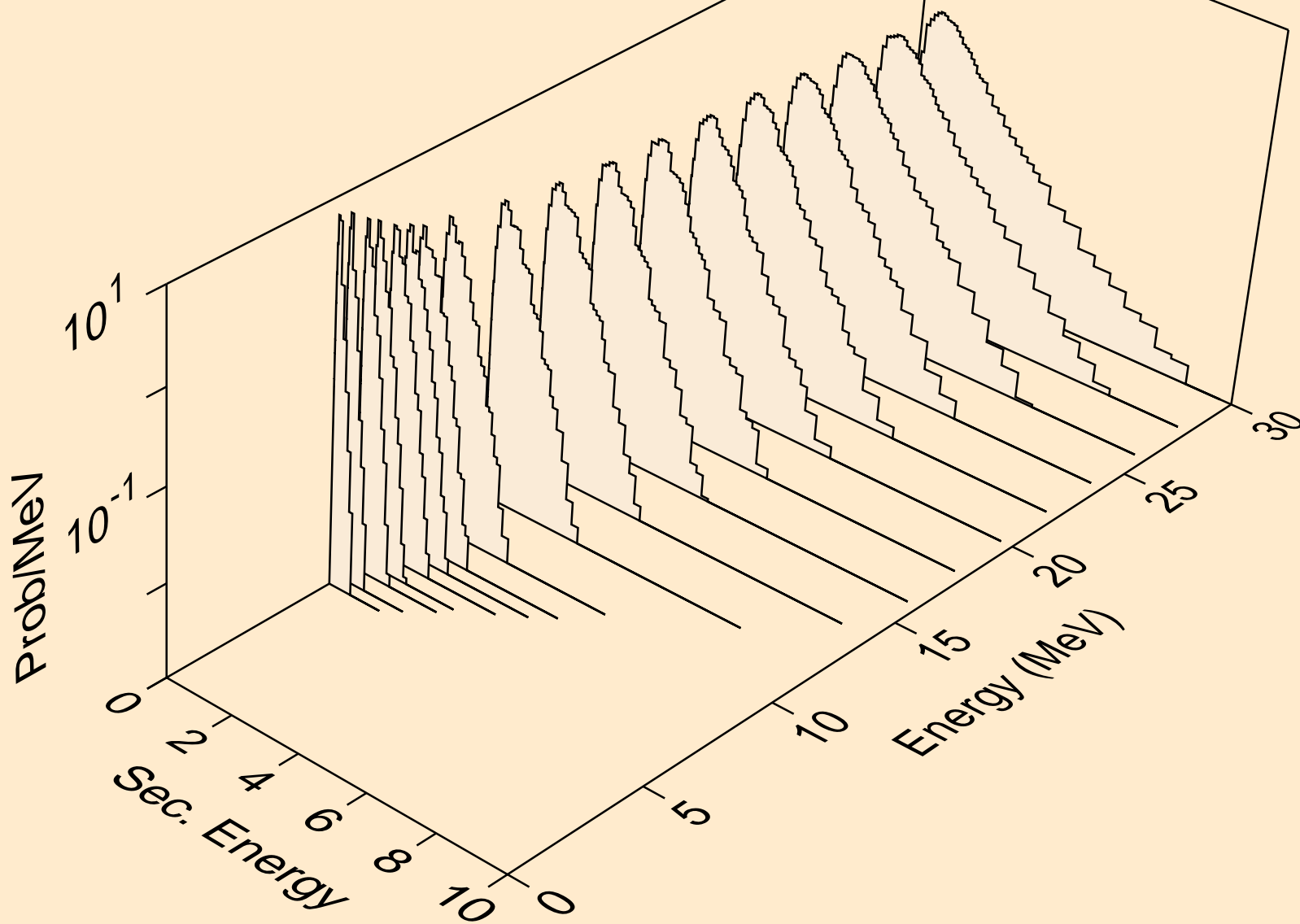
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Neutron emission for (n,3np)



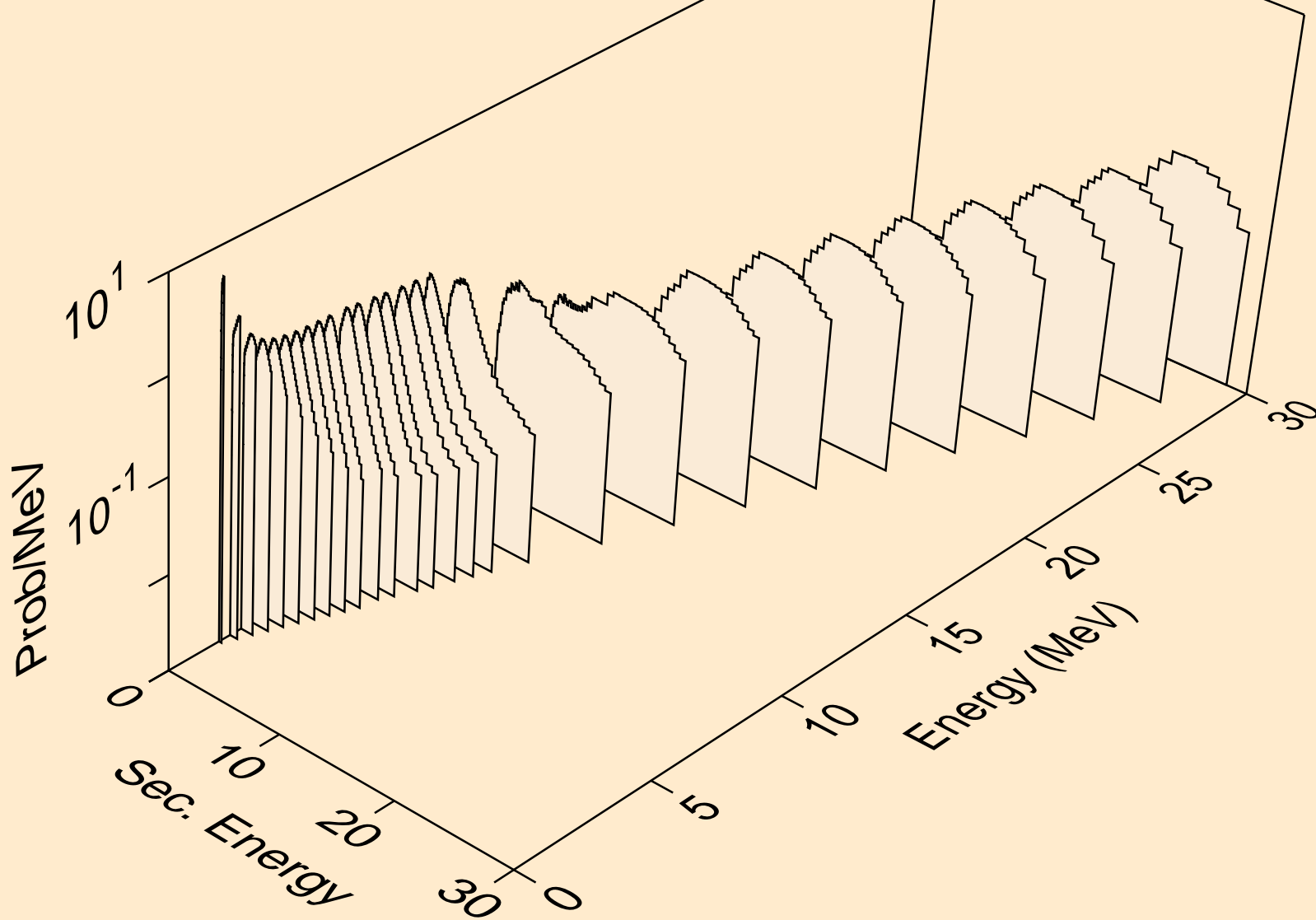
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Neutron emission for (n,2np)



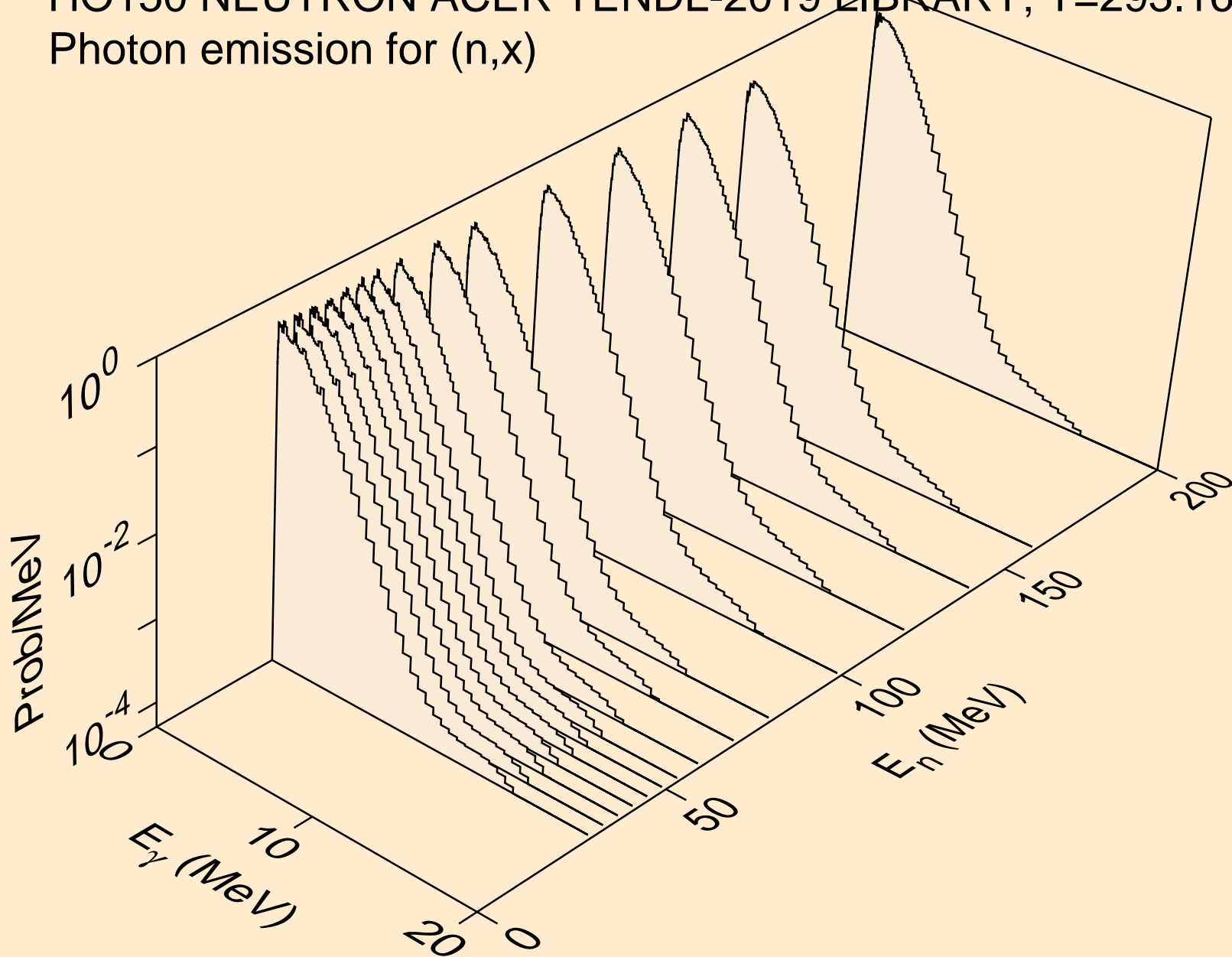
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Neutron emission for (n,npa)



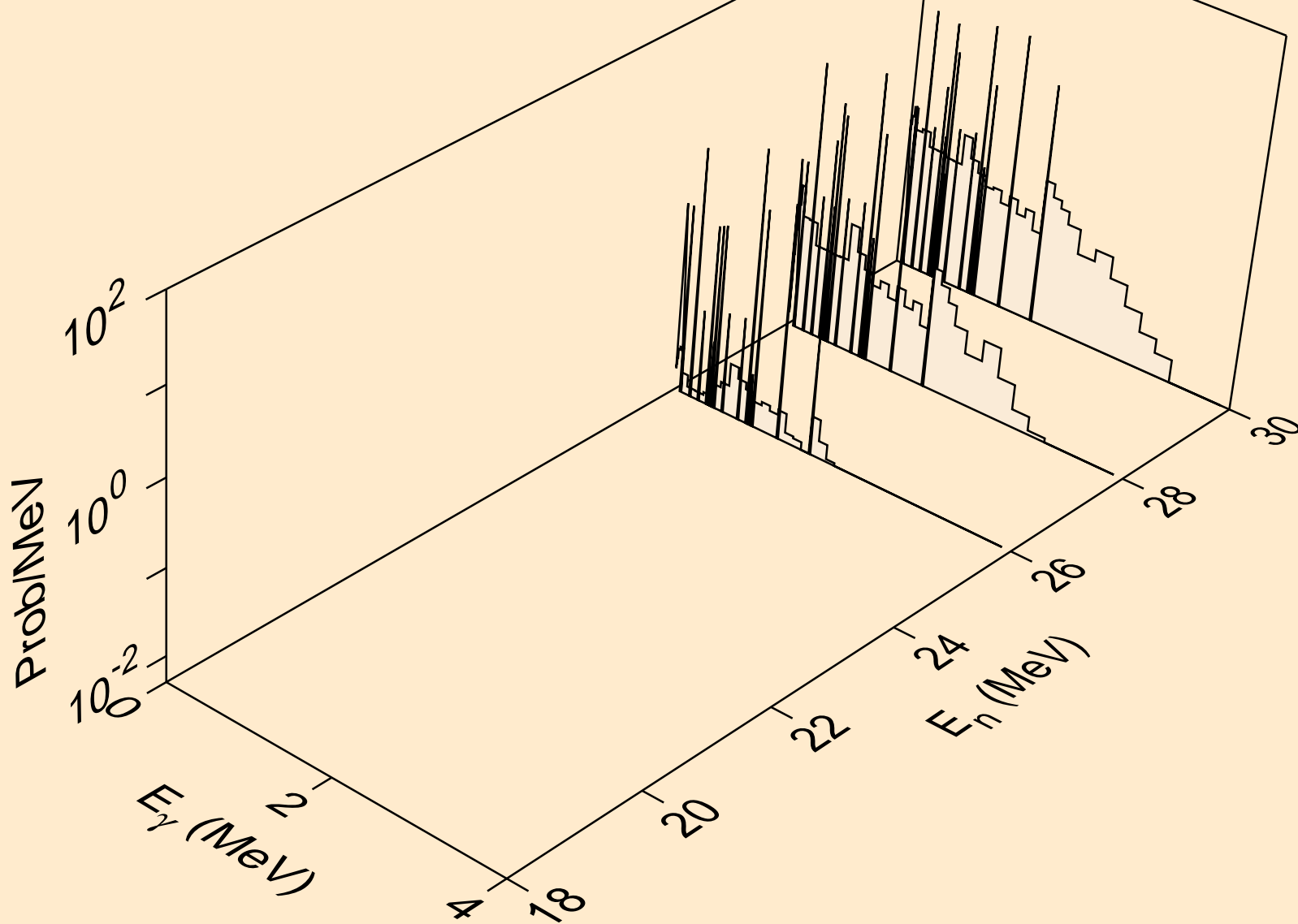
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

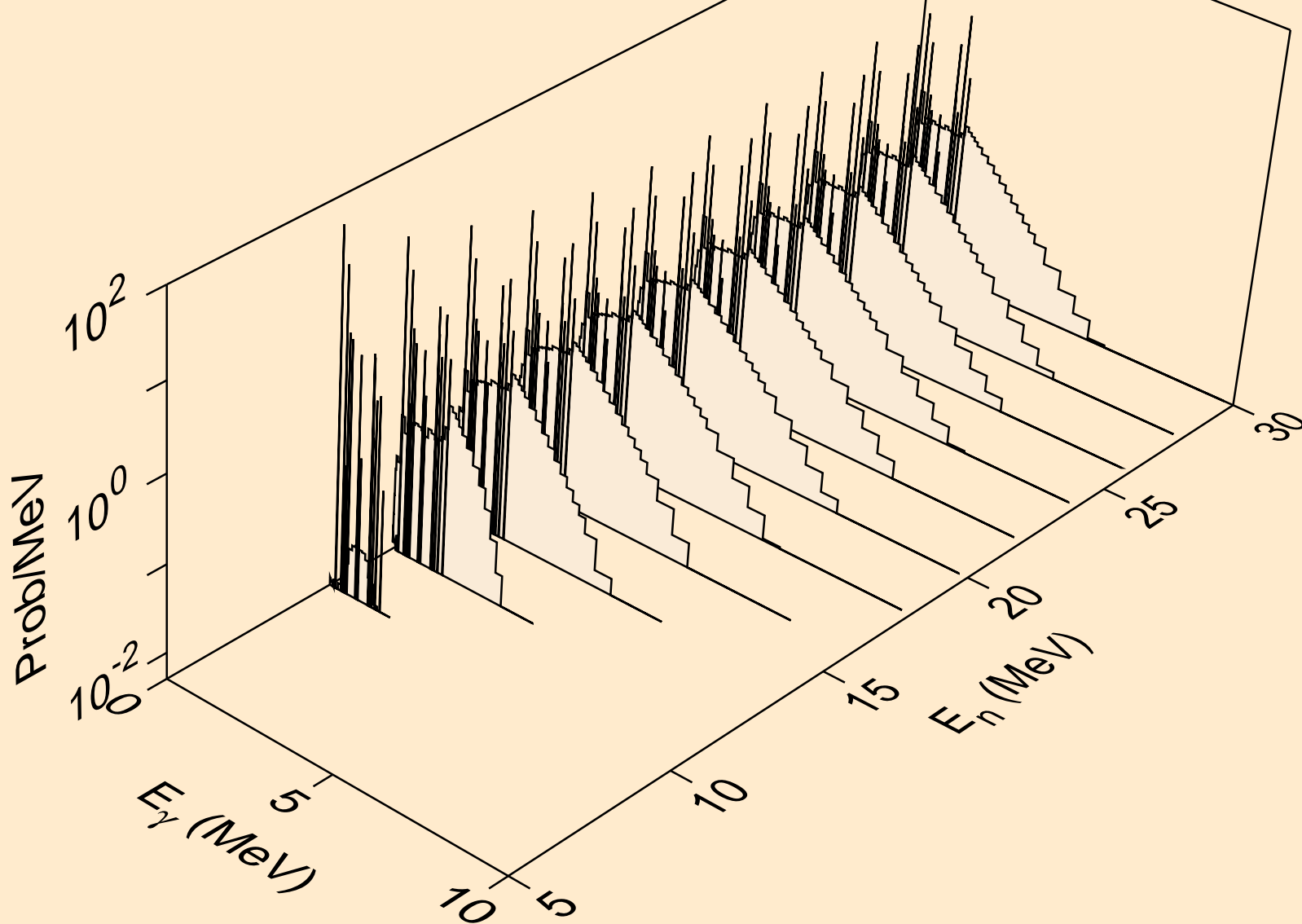


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Photon emission for (n,2nd)

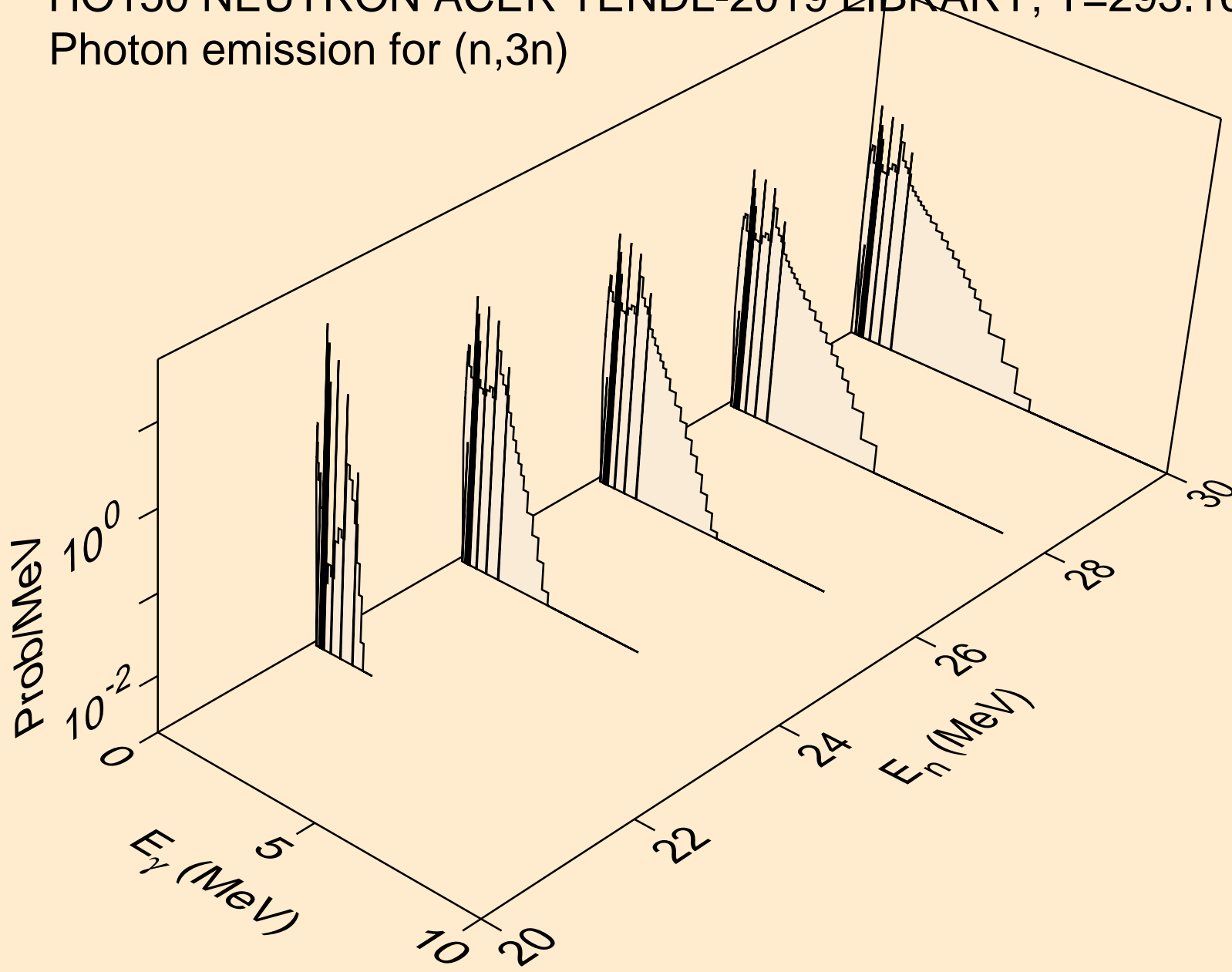




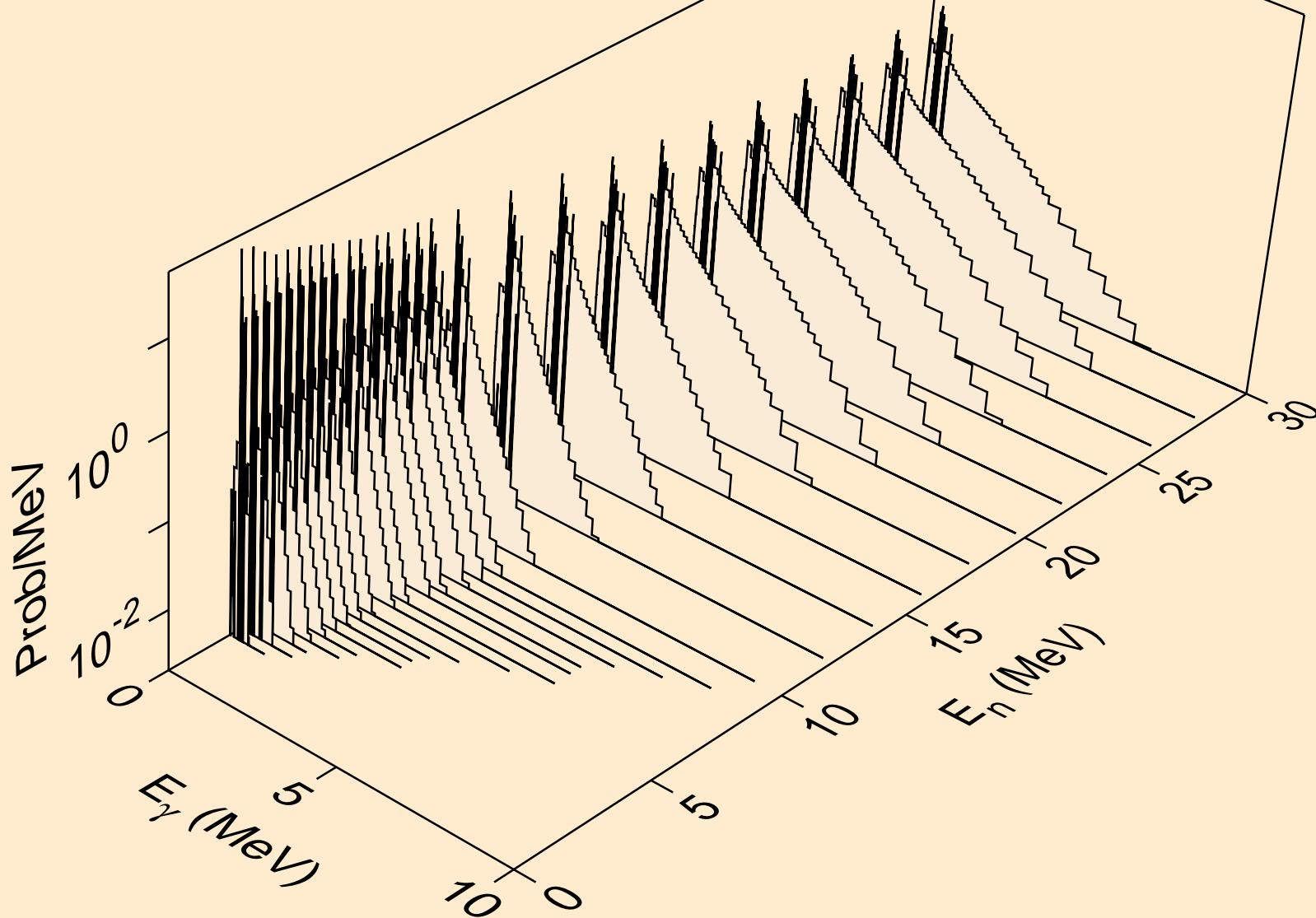
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Photon emission for (n,2n)



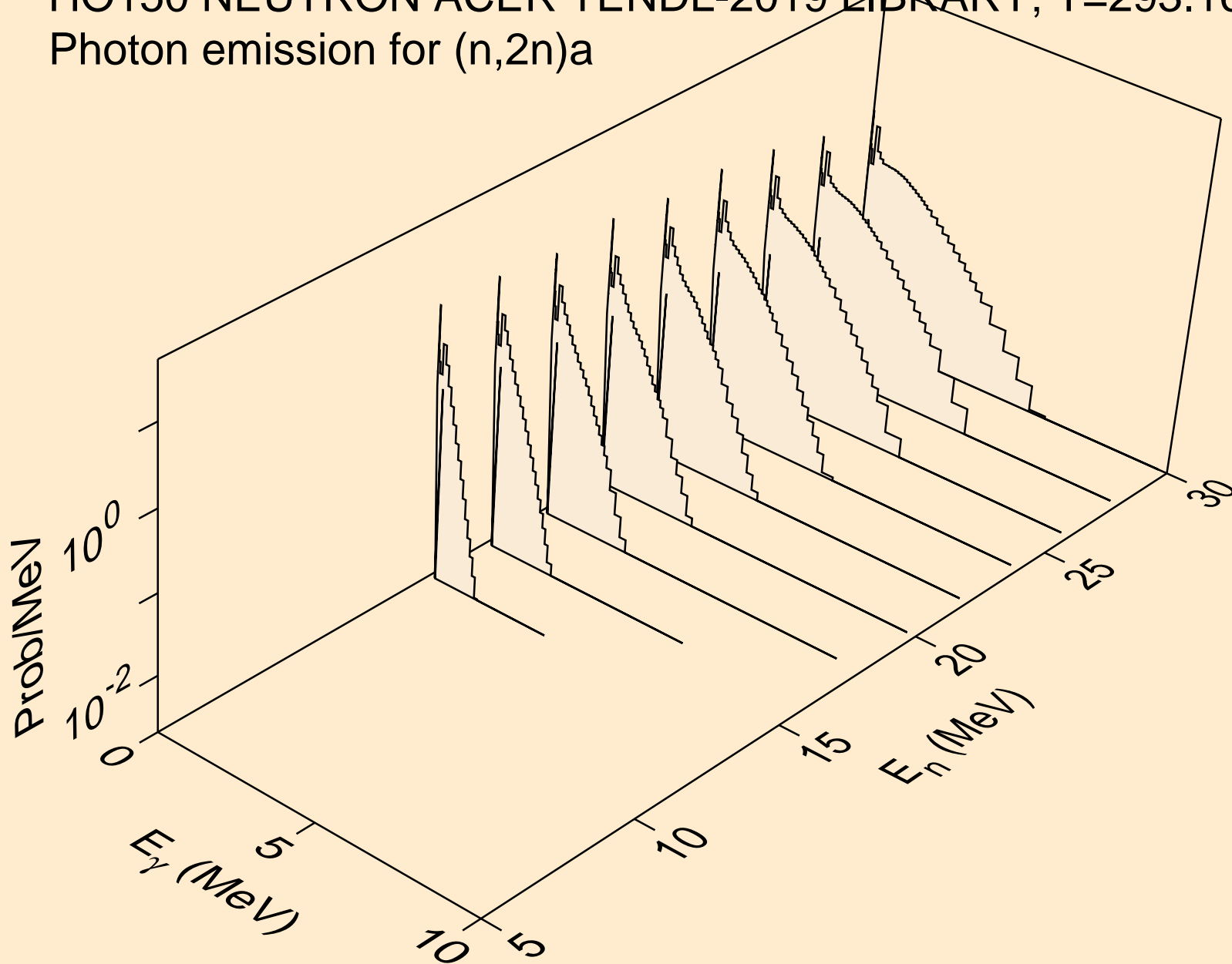
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Photon emission for (n,3n)



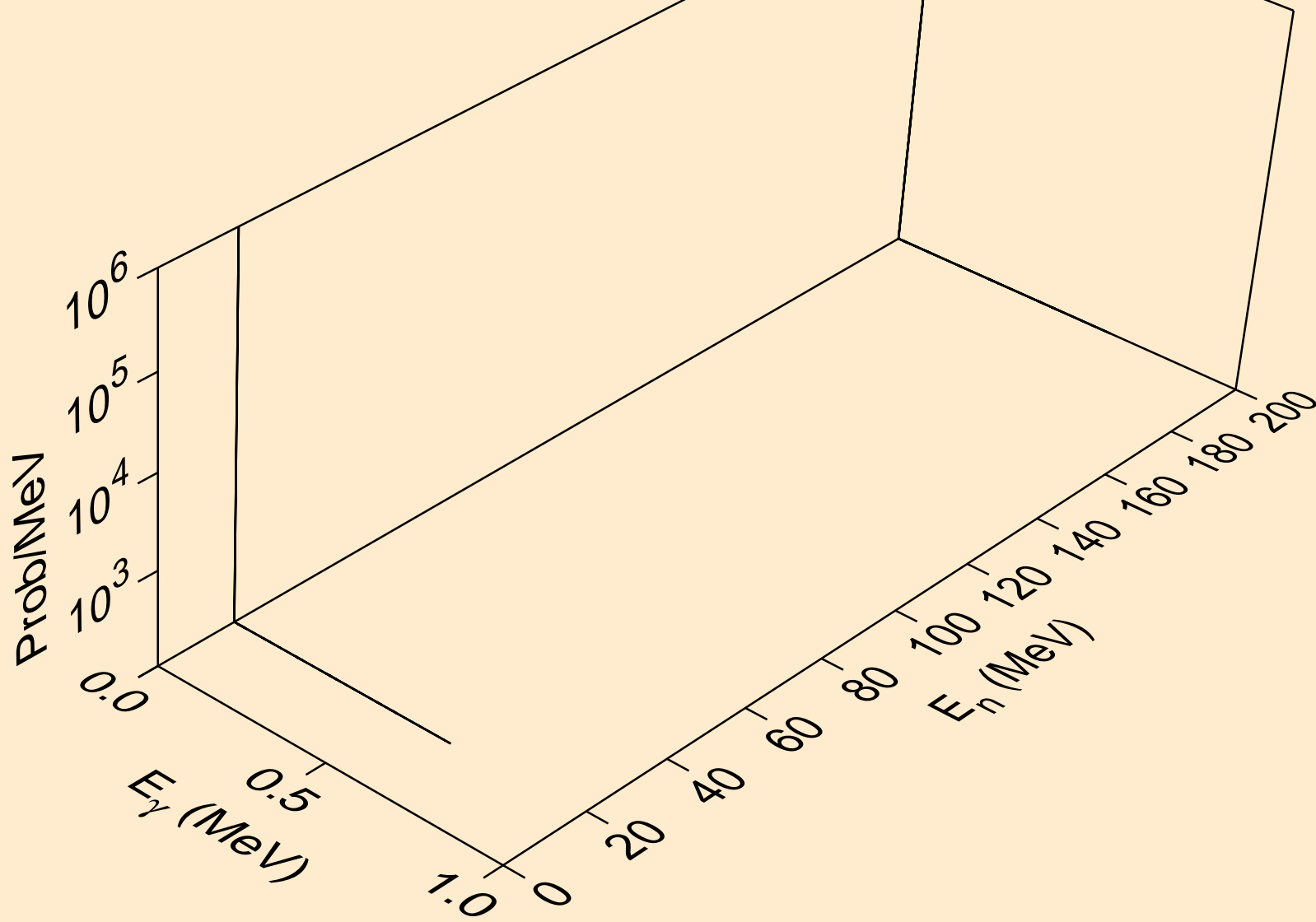
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Photon emission for (n,n\*)a



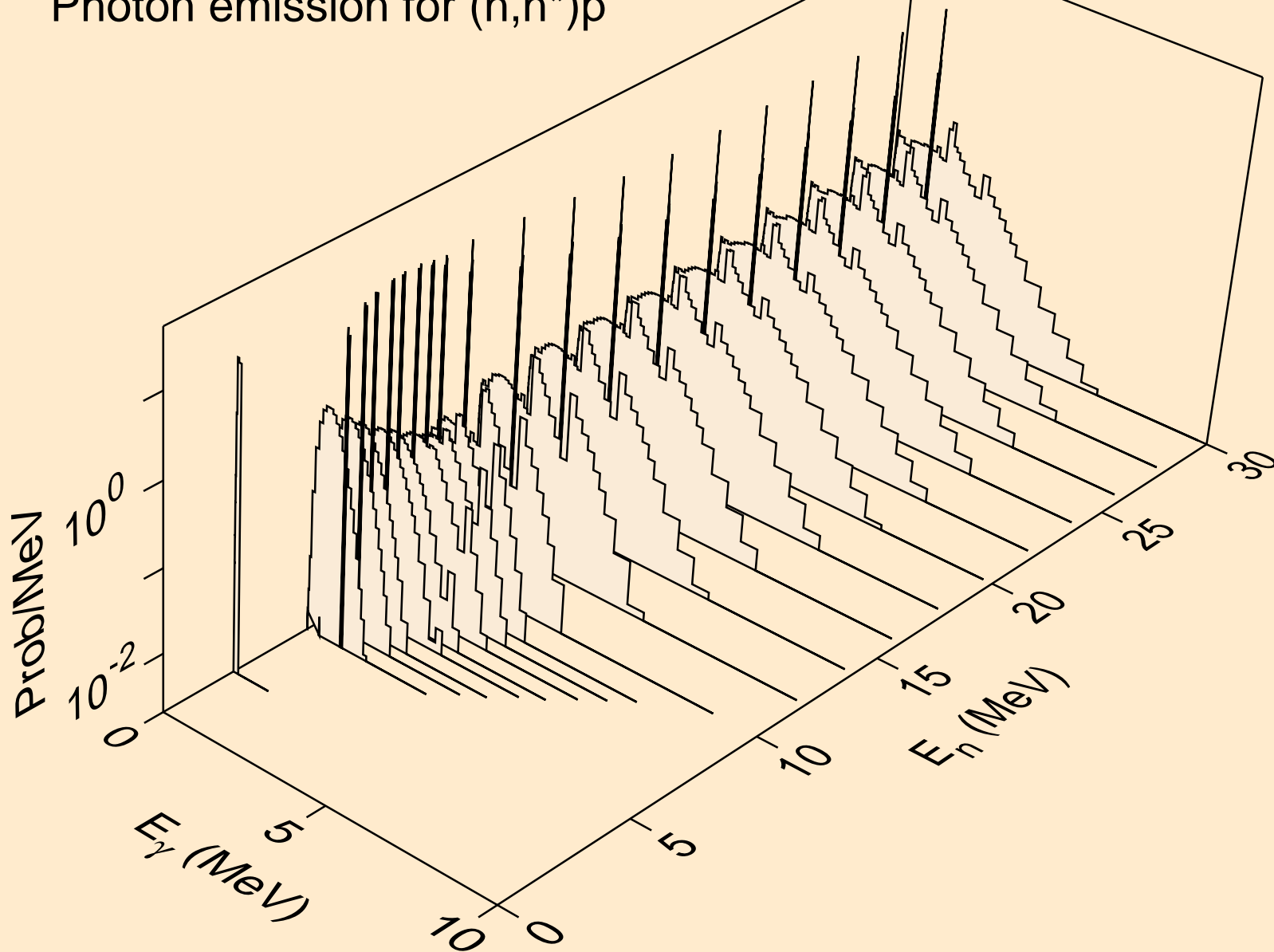
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Photon emission for (n,2n)a



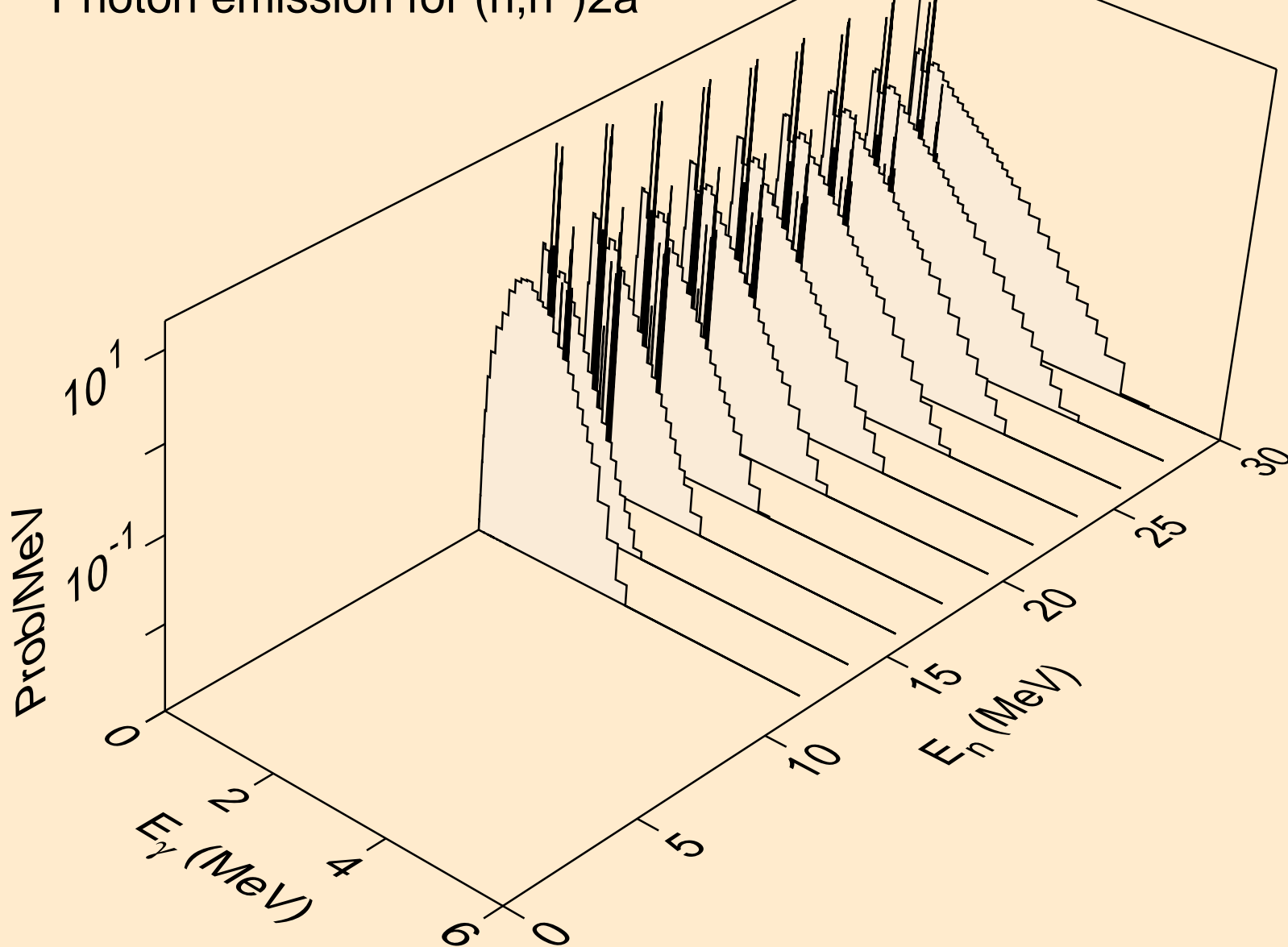
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Photon emission for (n,3n)a



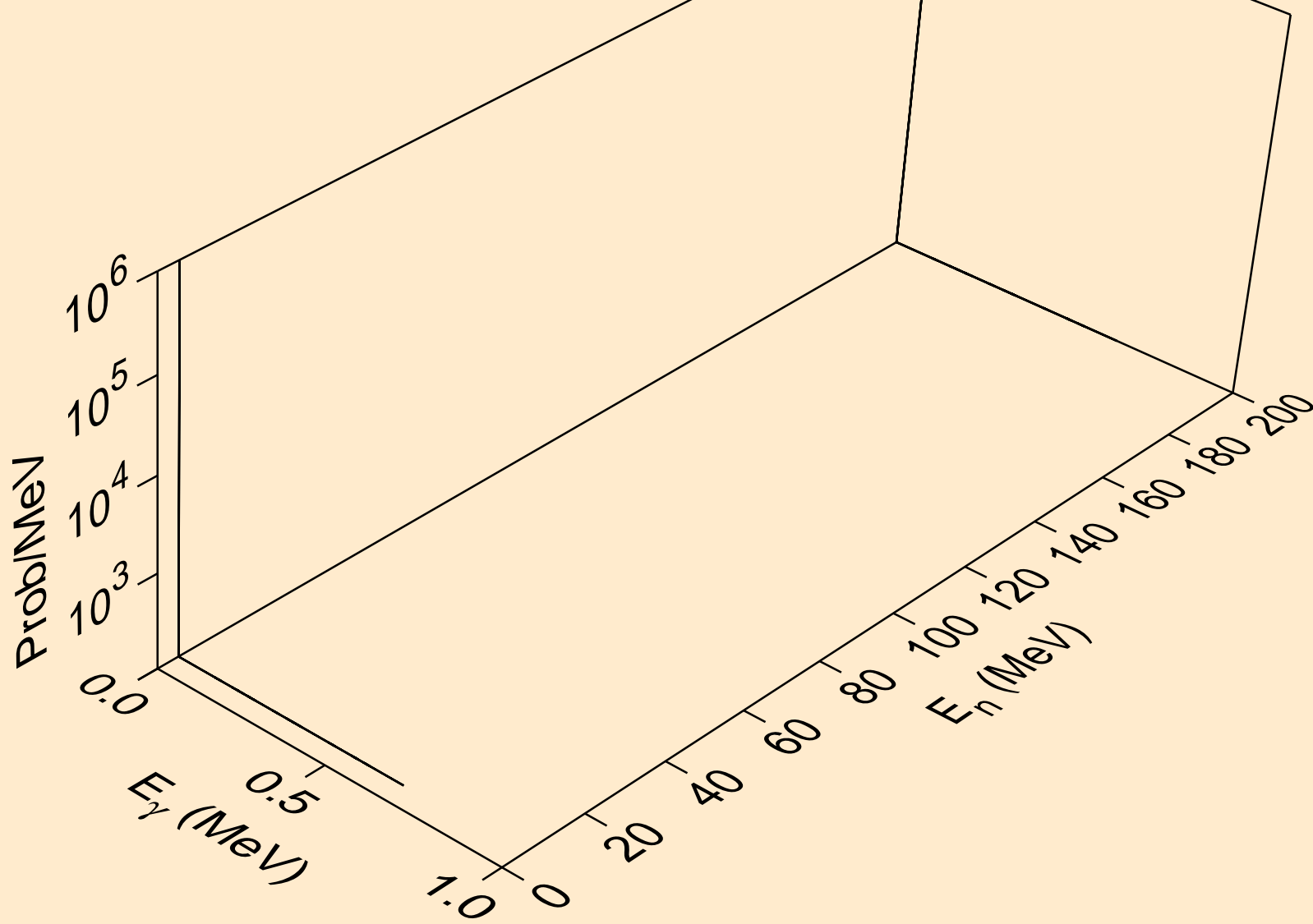
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

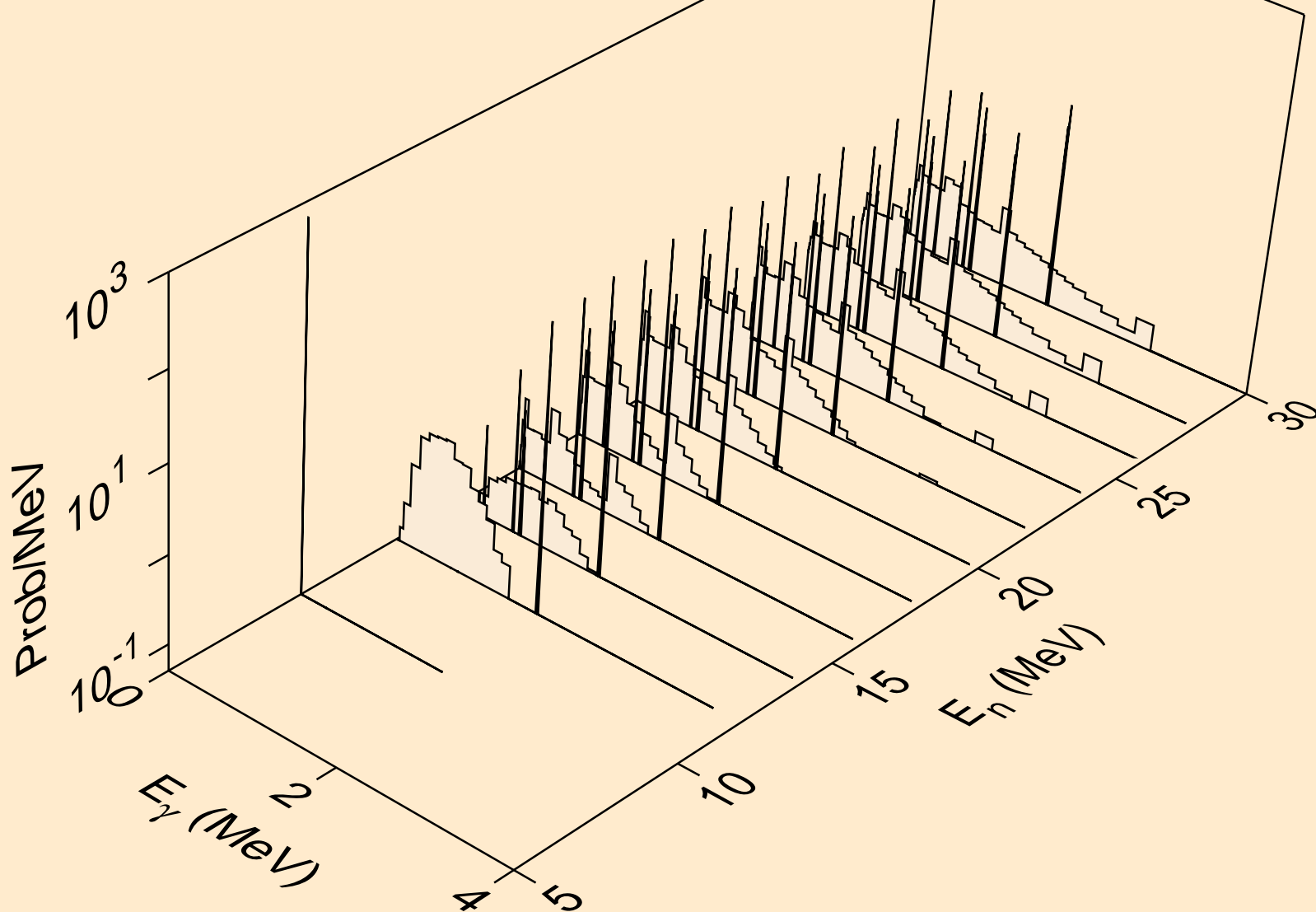


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Photon emission for (n,2n)2a

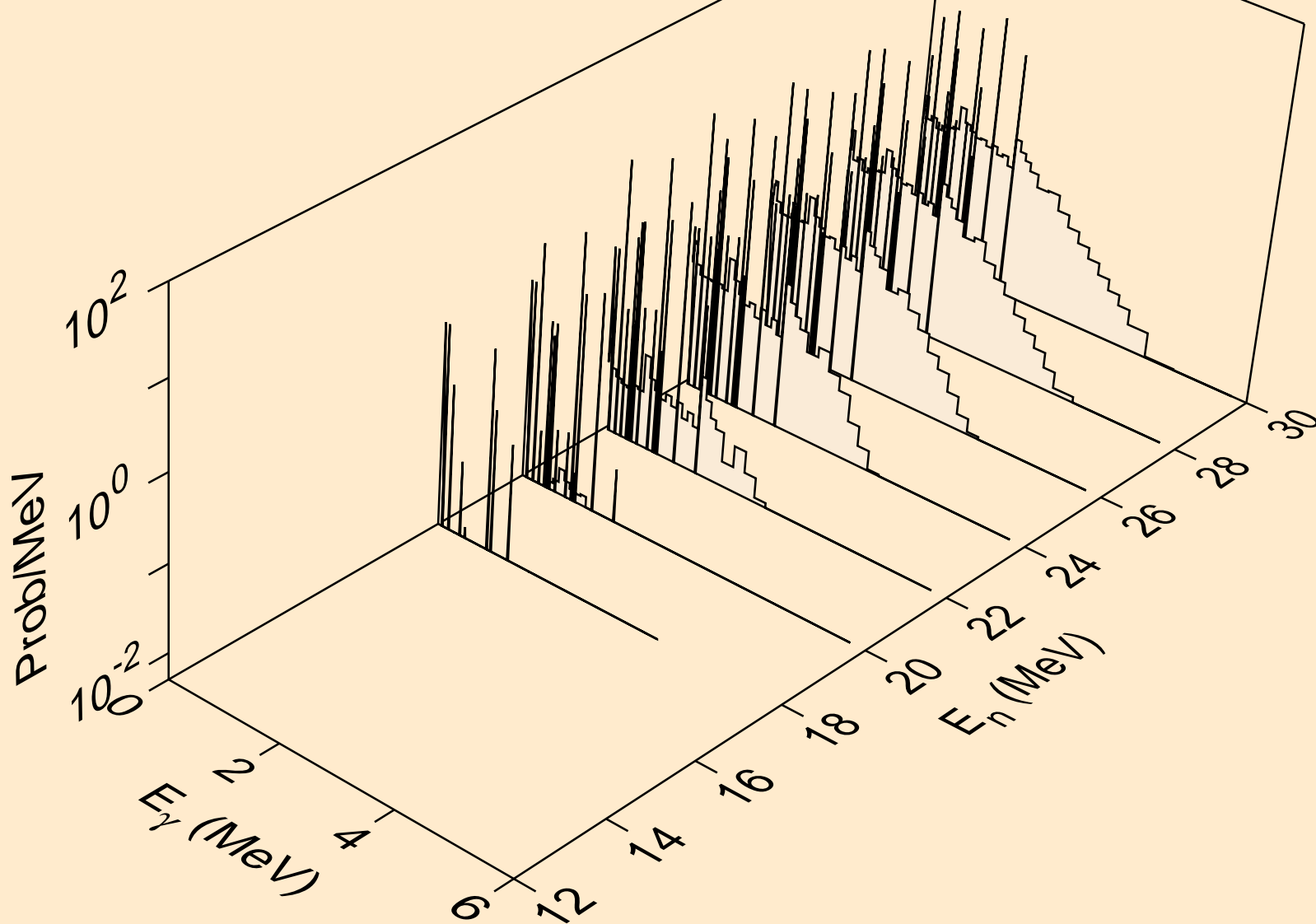




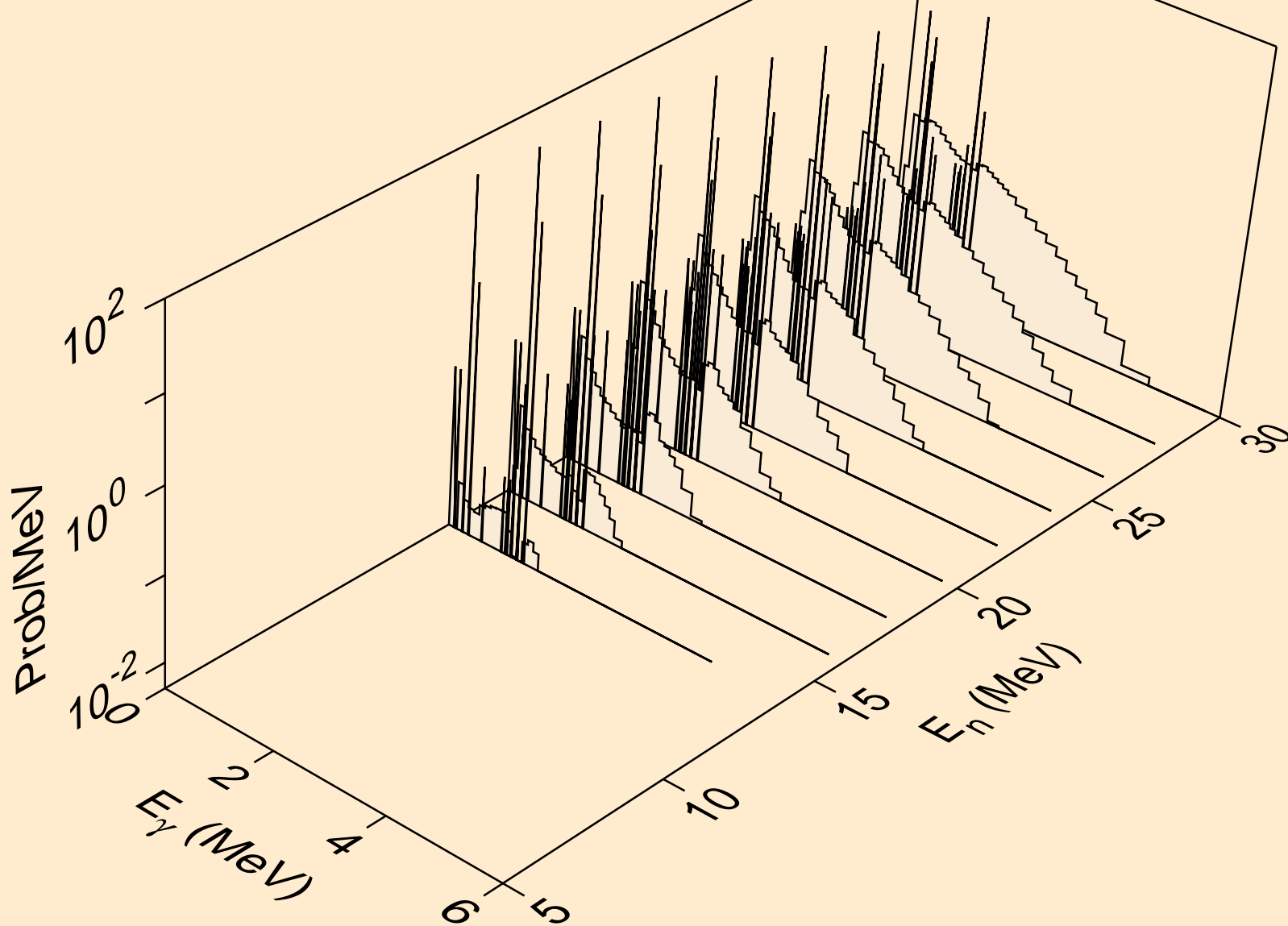
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Photon emission for (n,n\*)d



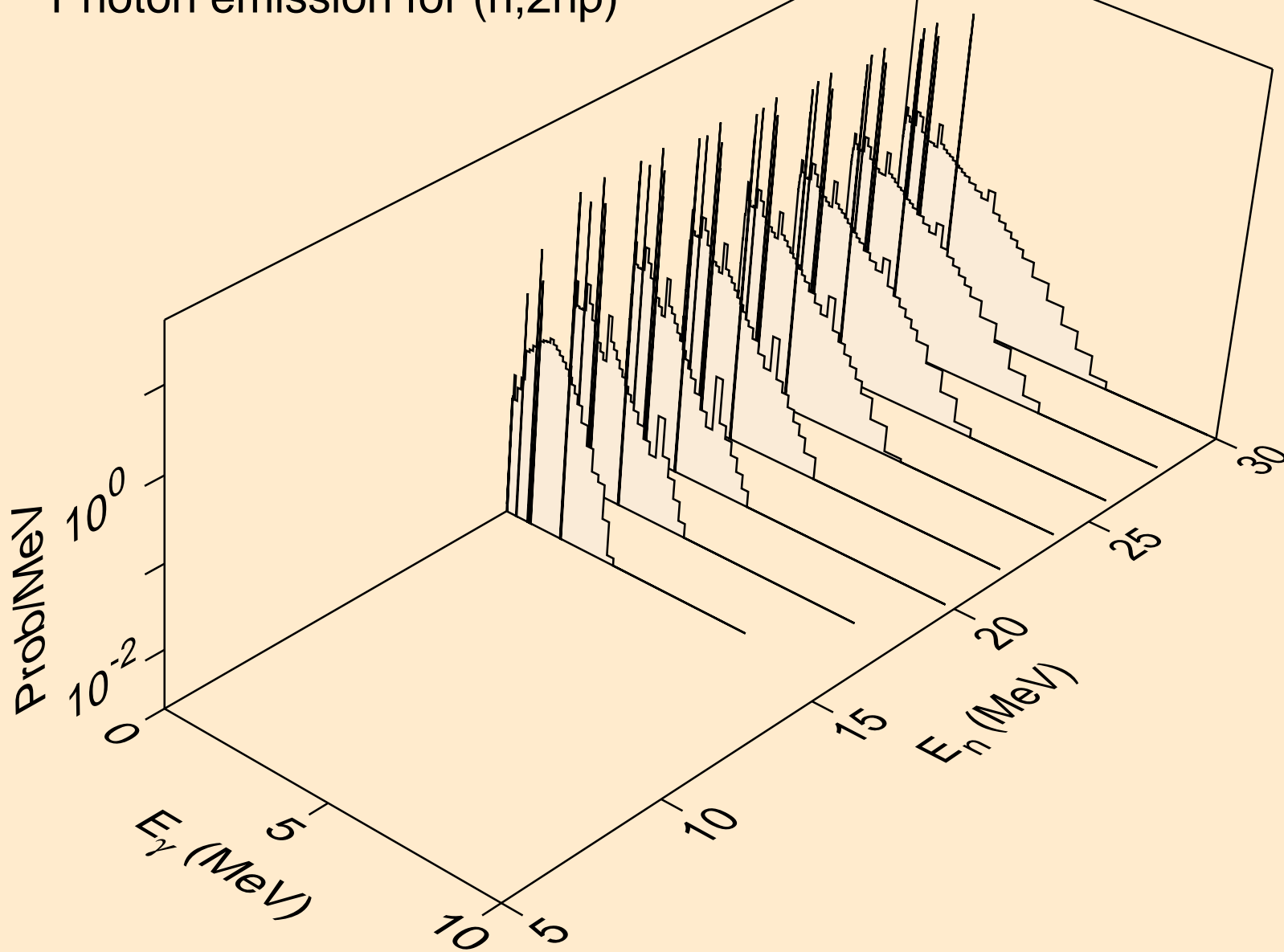
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Photon emission for (n,n\*)t



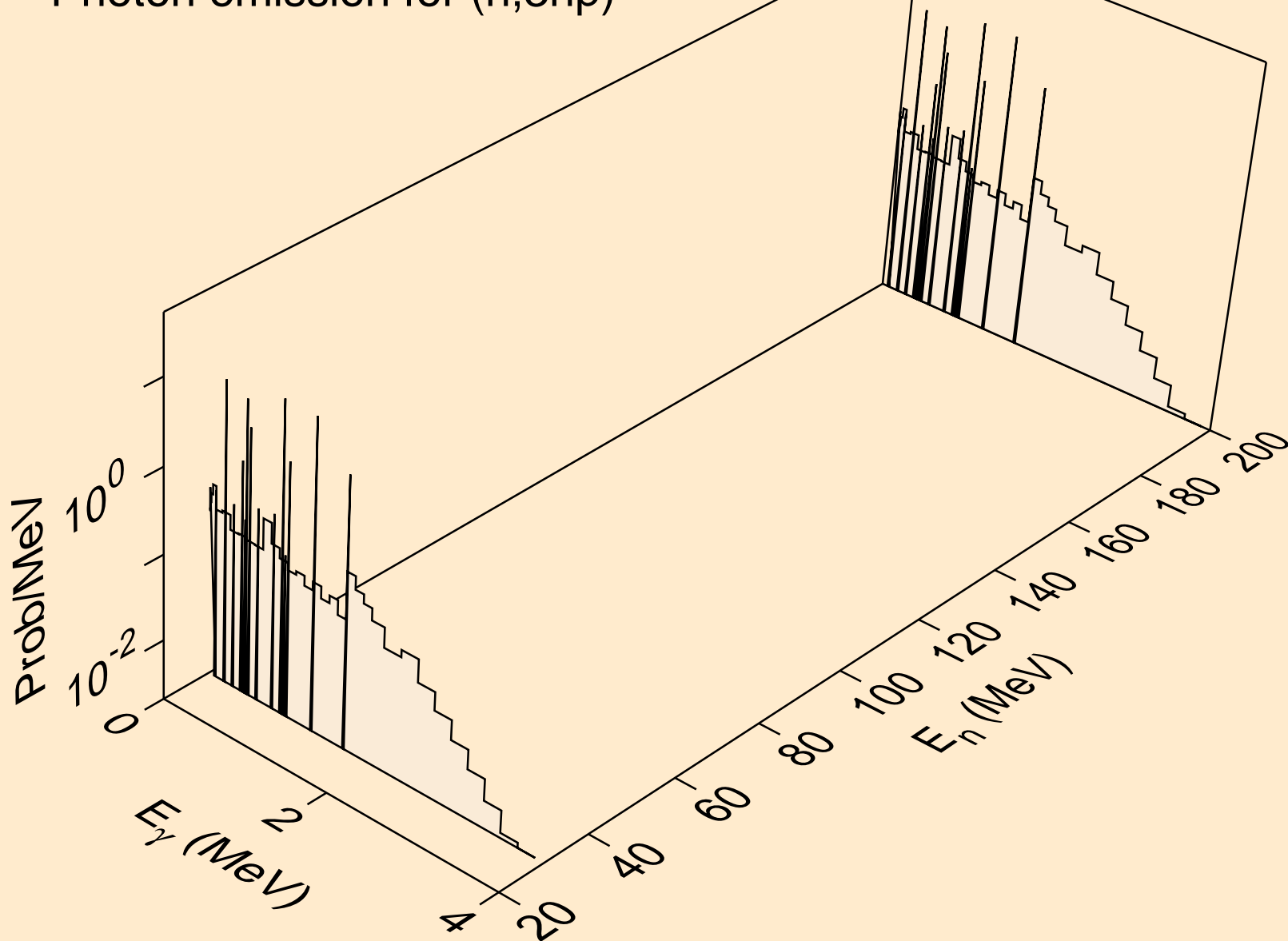
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Photon emission for (n,n\*)he3



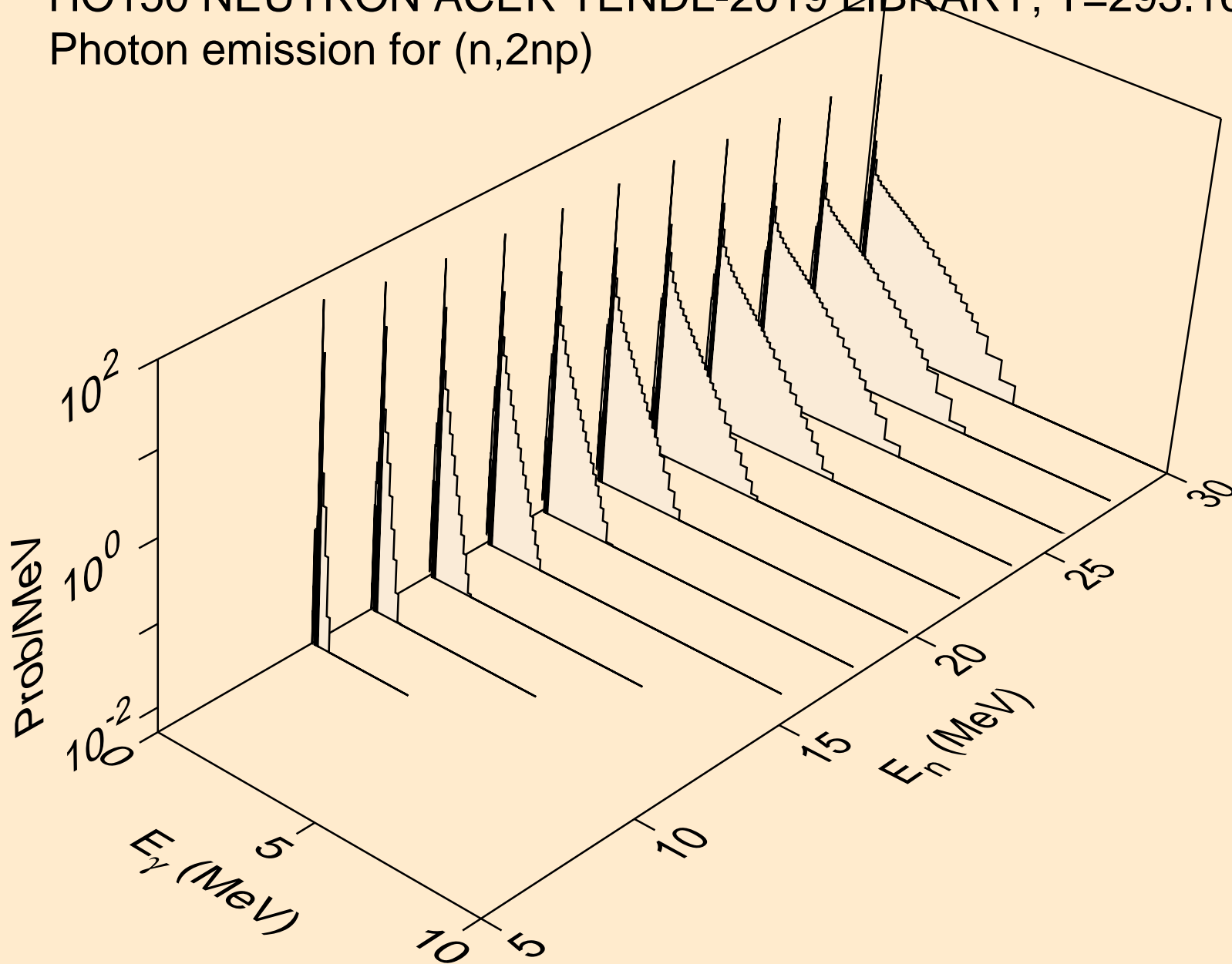
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Photon emission for (n,2np)



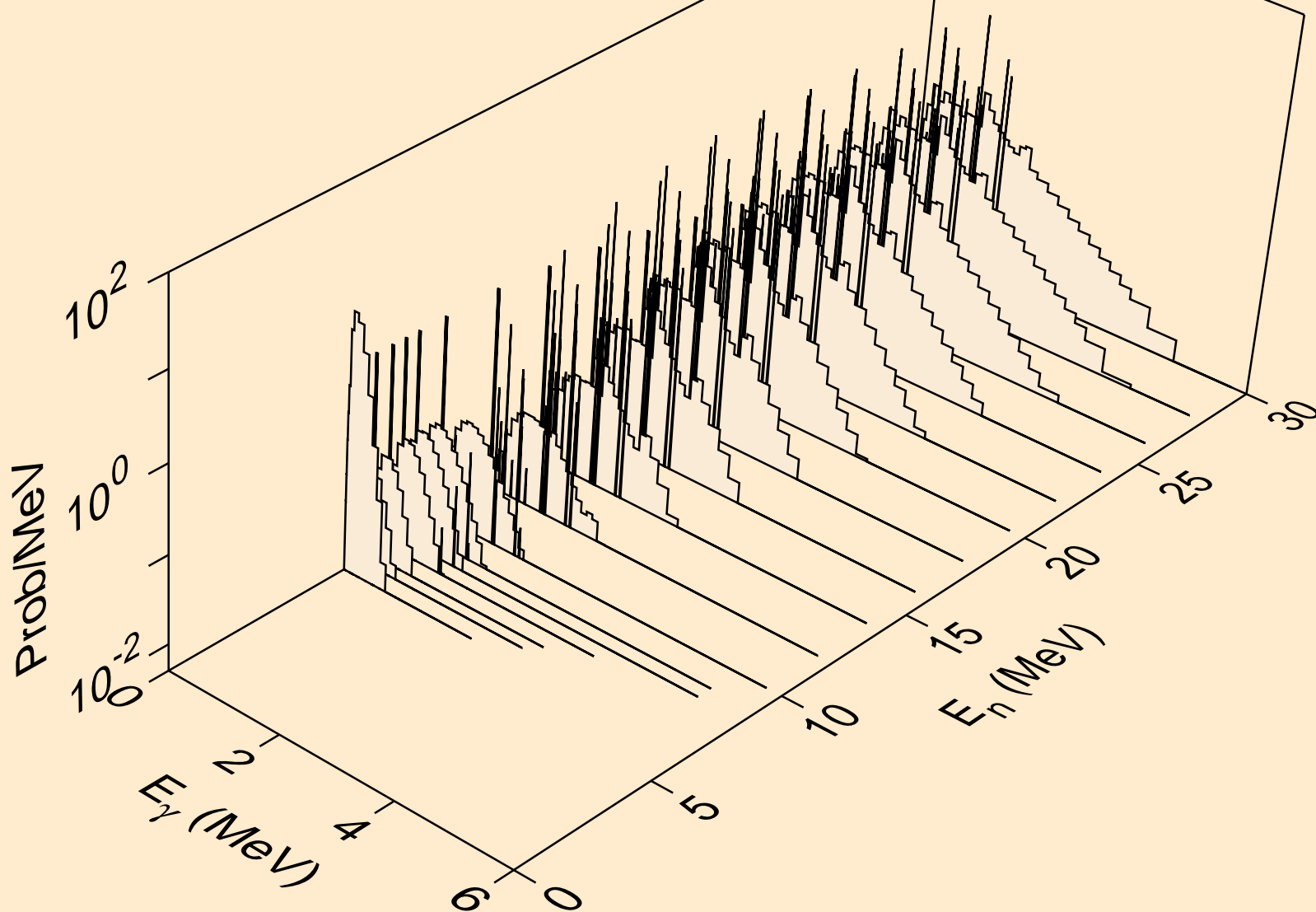
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Photon emission for (n,3np)



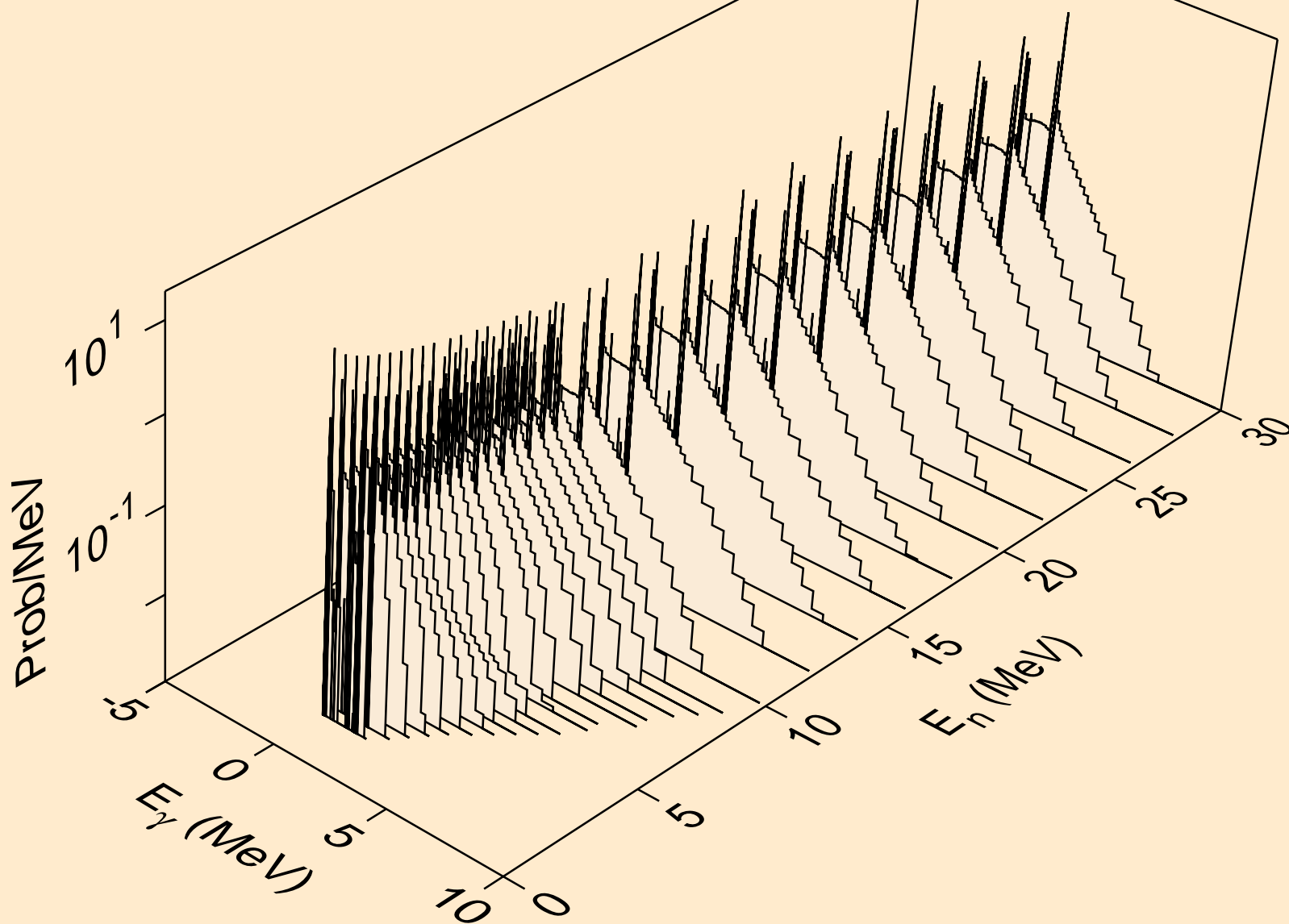
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Photon emission for (n,2np)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

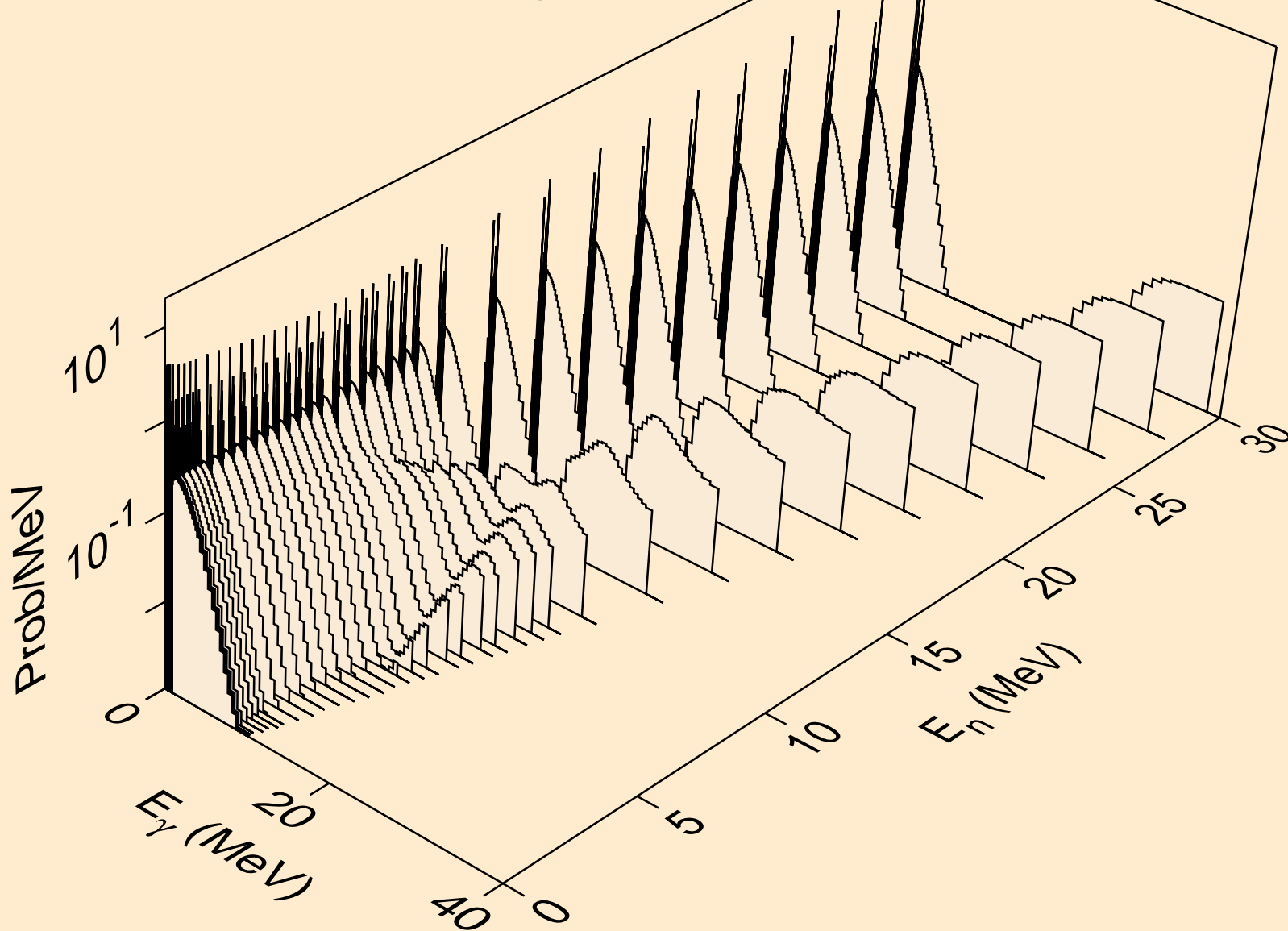


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Photon emission for (n,n\*c)

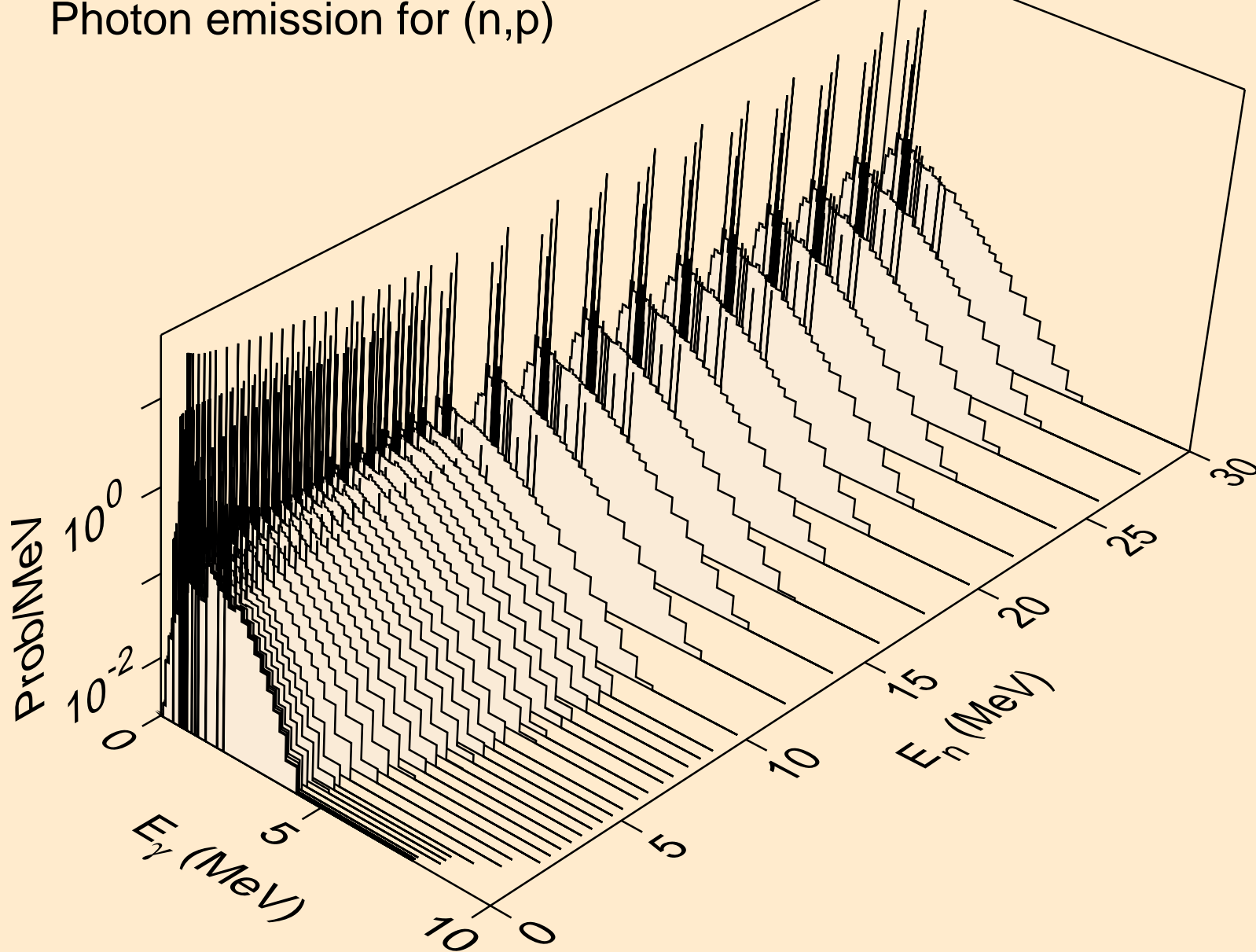




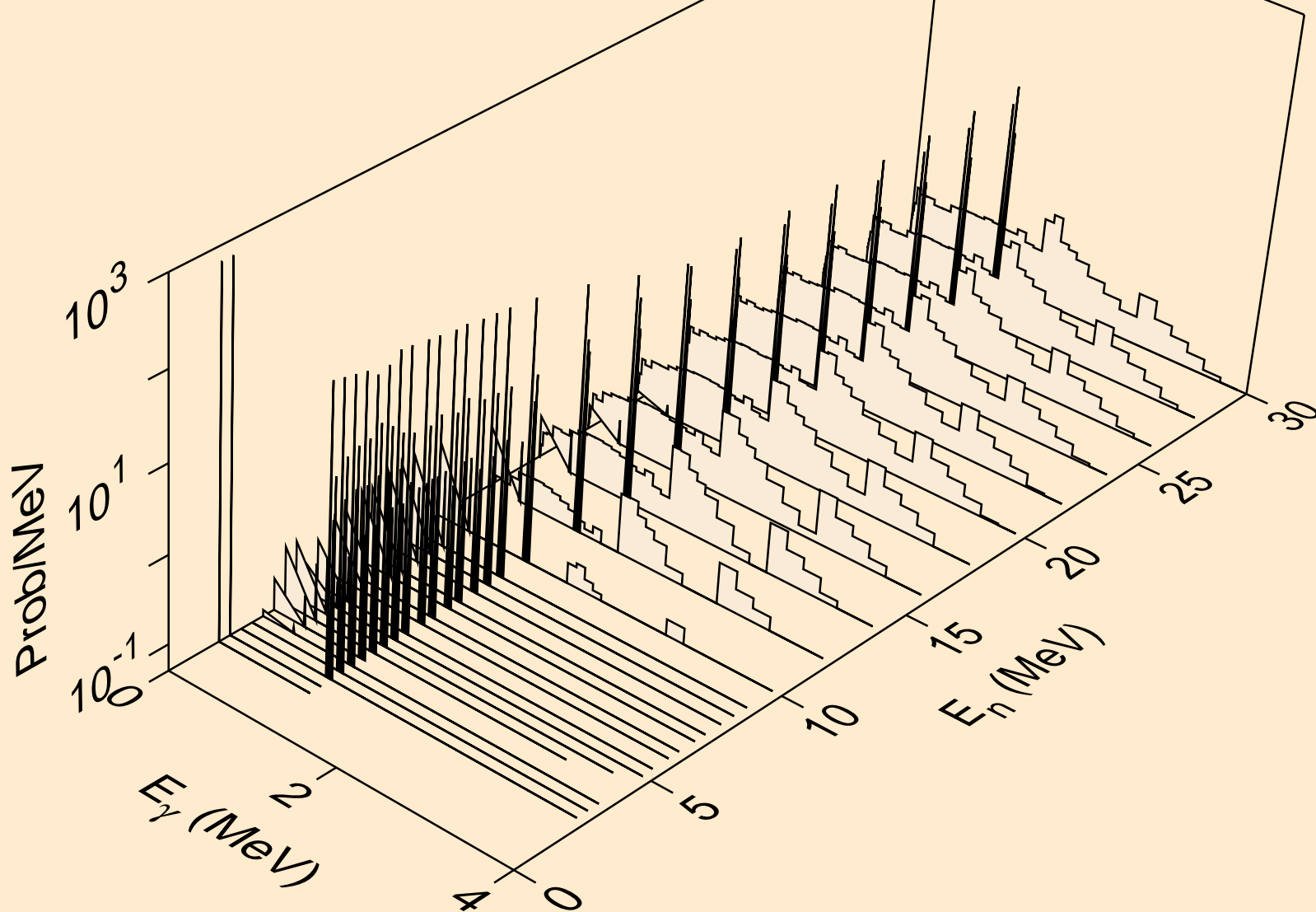
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Photon emission for (n,gma)



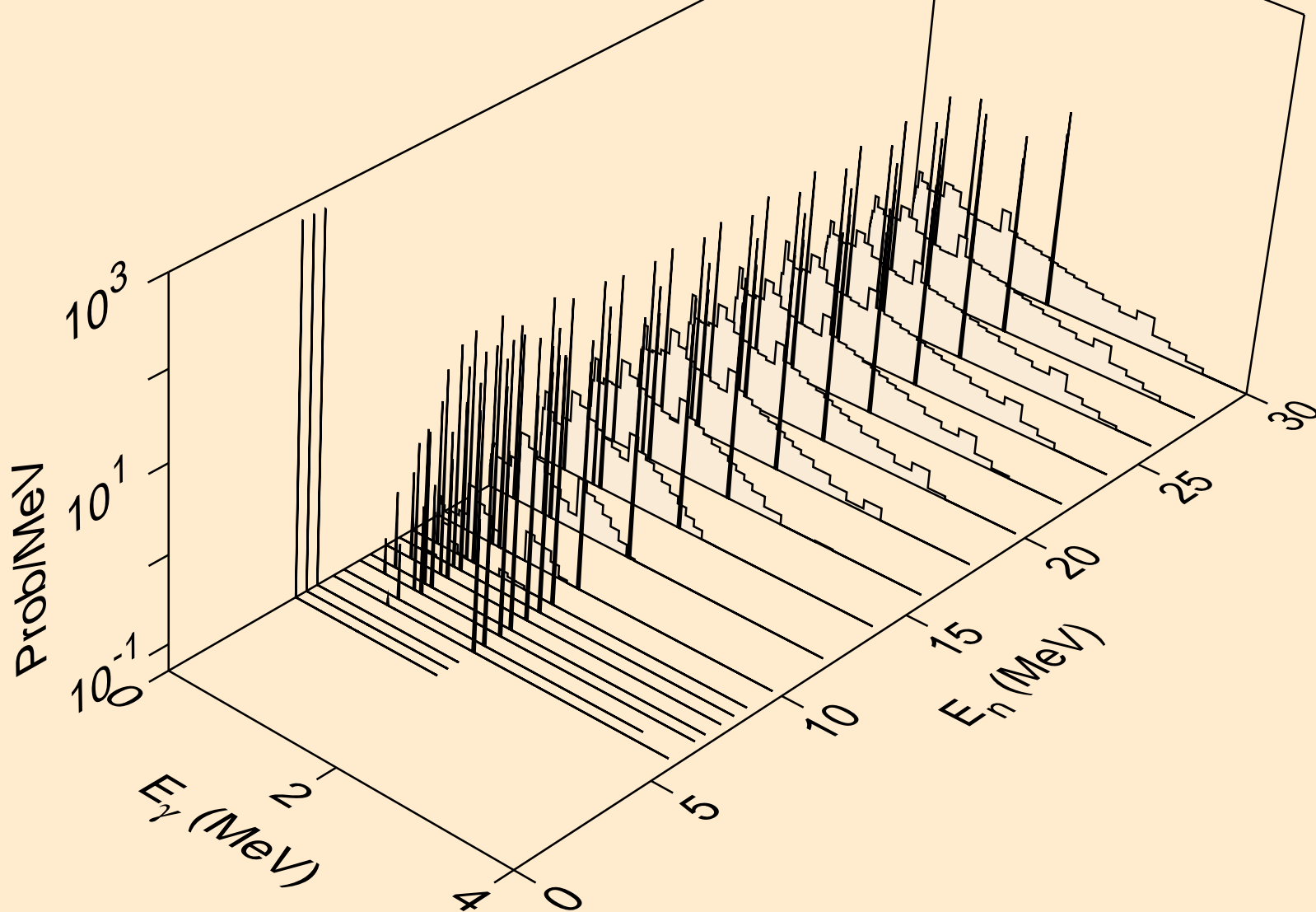
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Photon emission for (n,p)



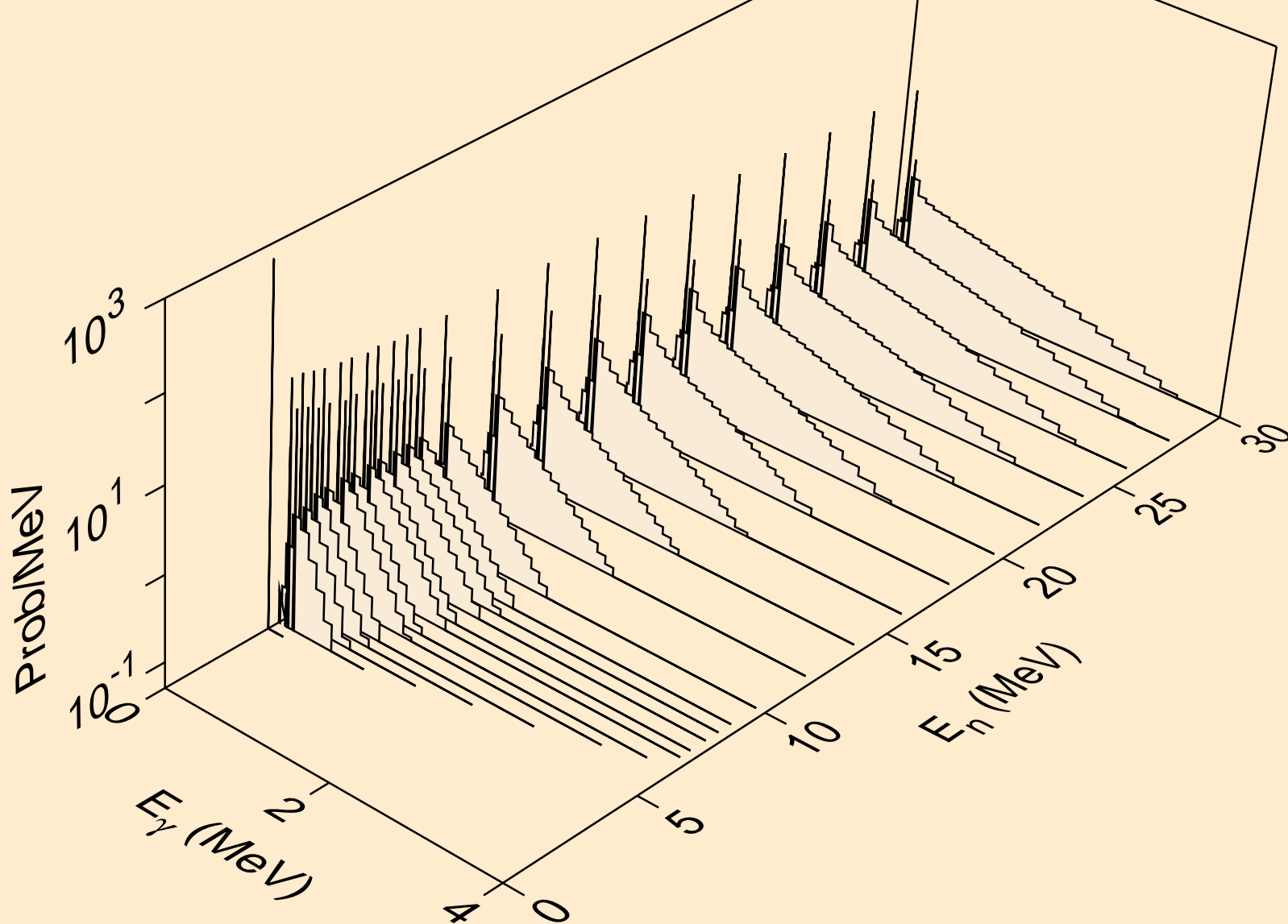
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Photon emission for (n,d)



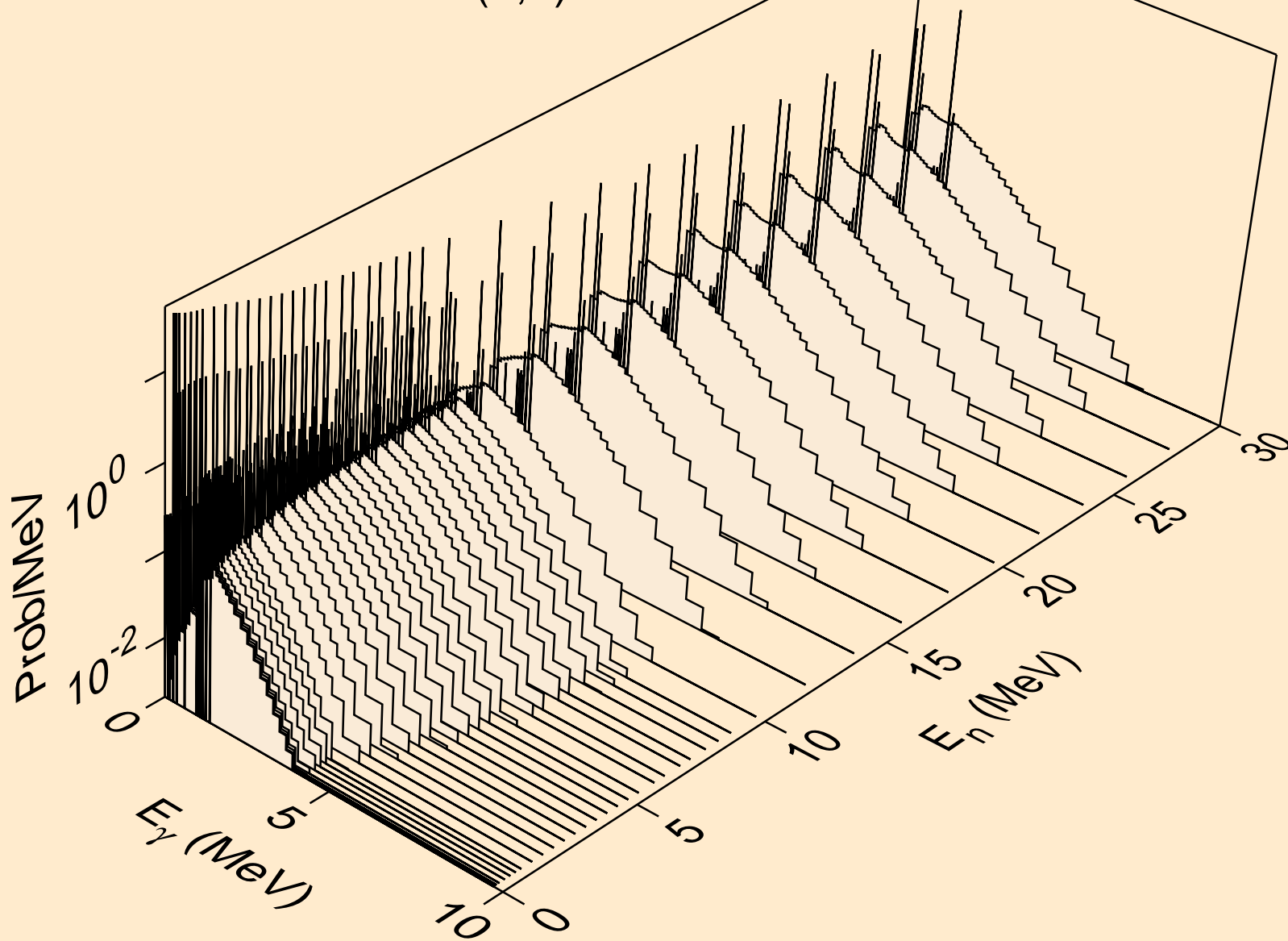
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Photon emission for (n,t)



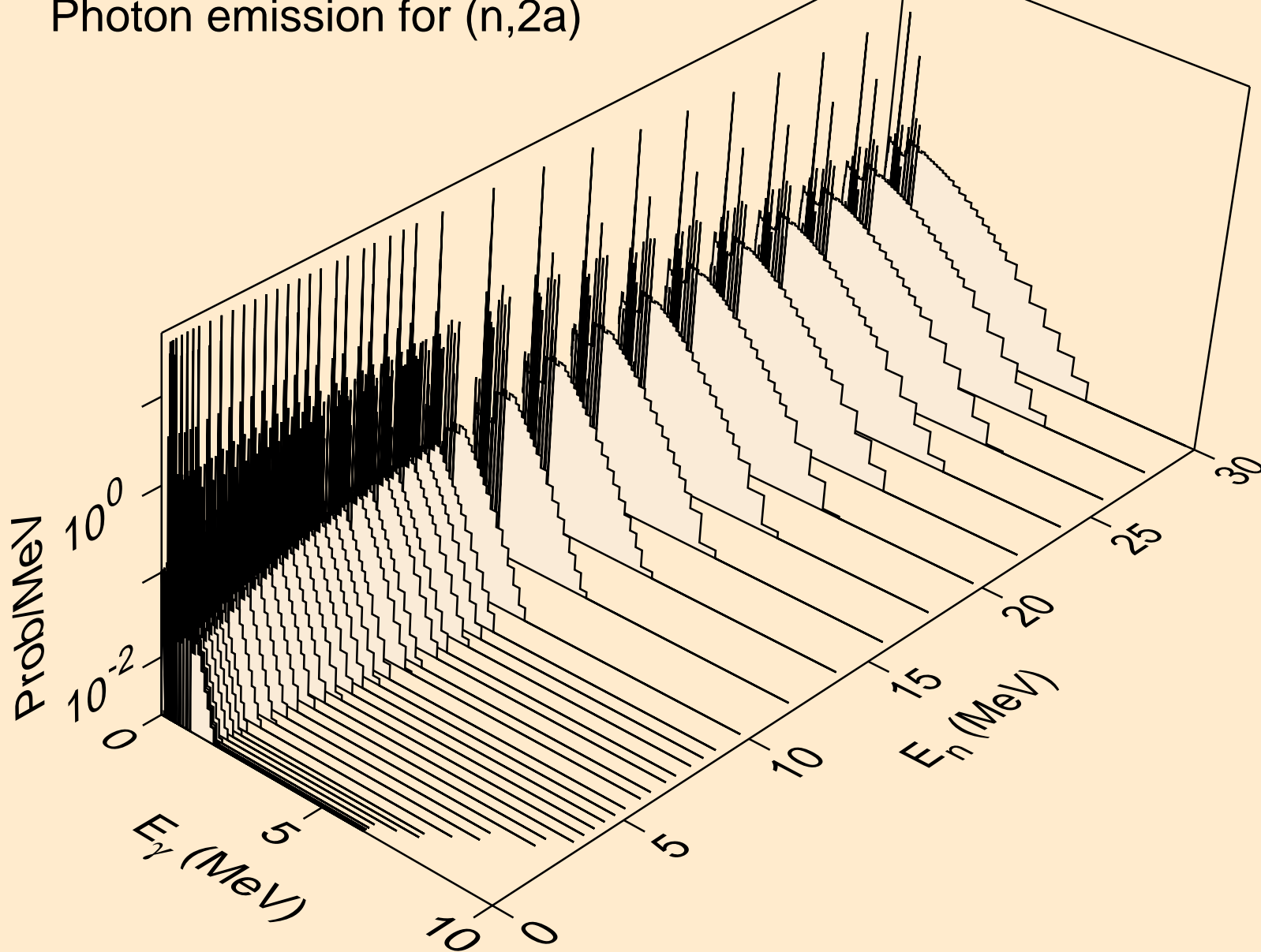
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Photon emission for (n,he3)



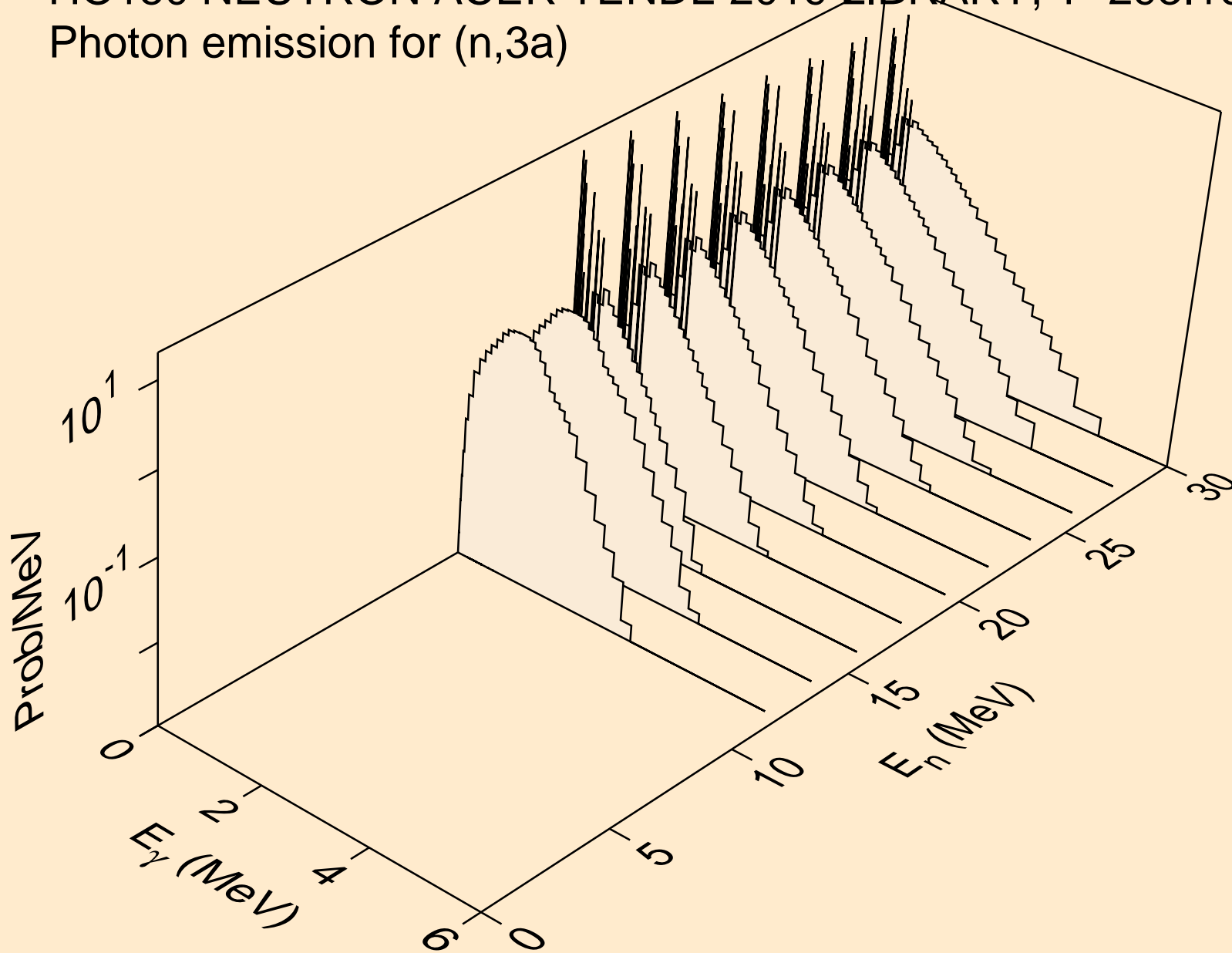
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Photon emission for (n,a)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

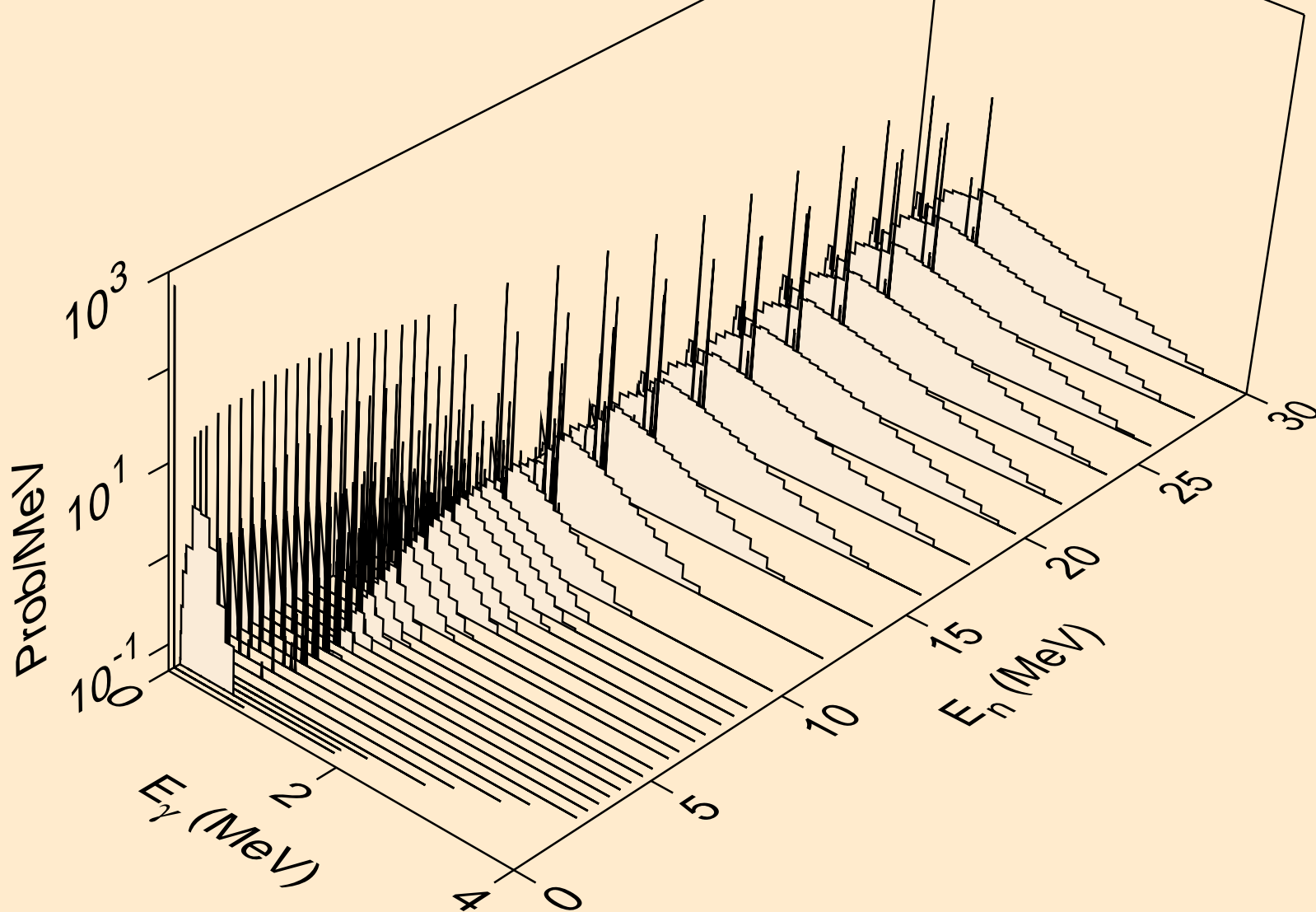


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Photon emission for (n,3a)

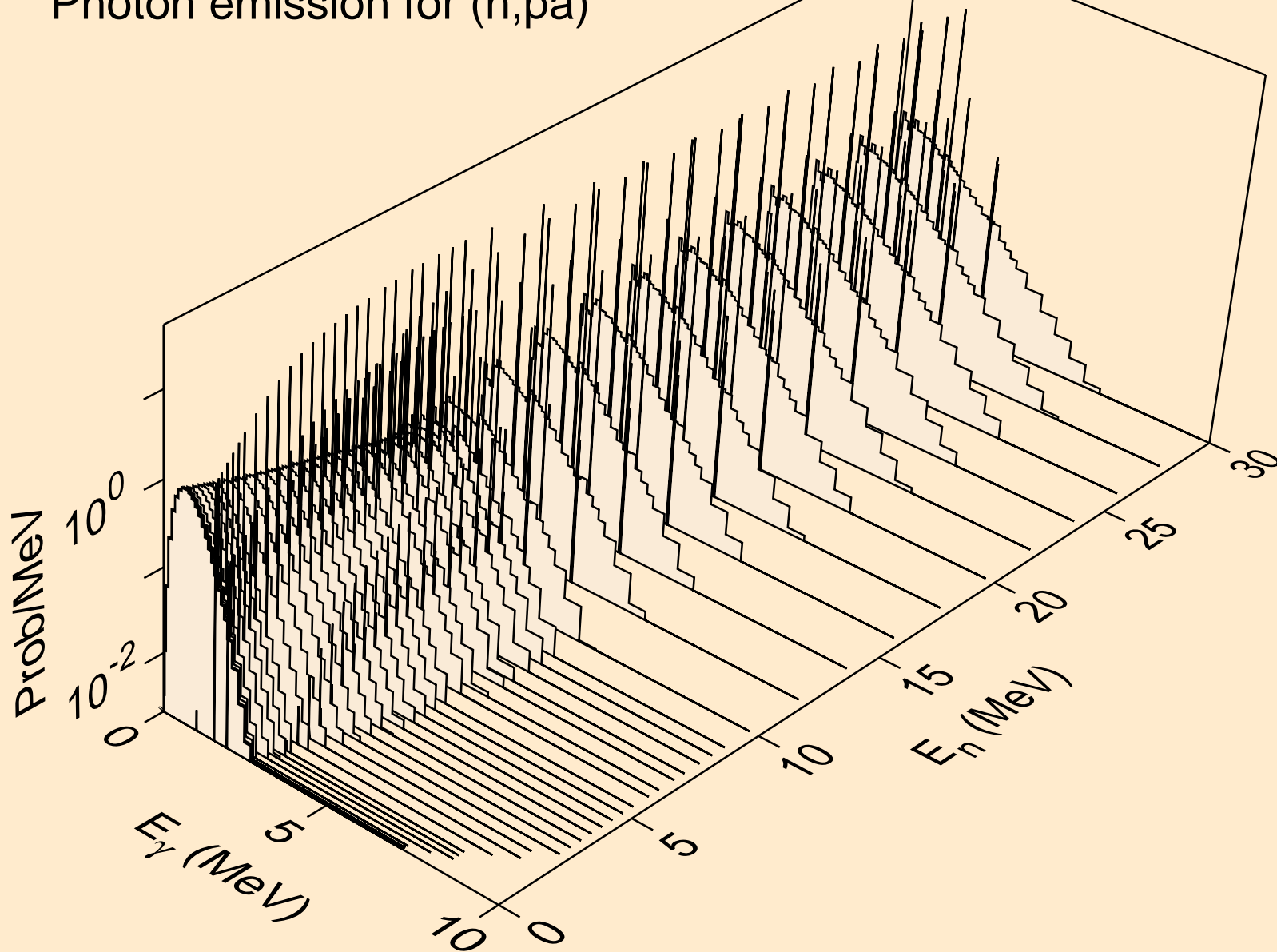




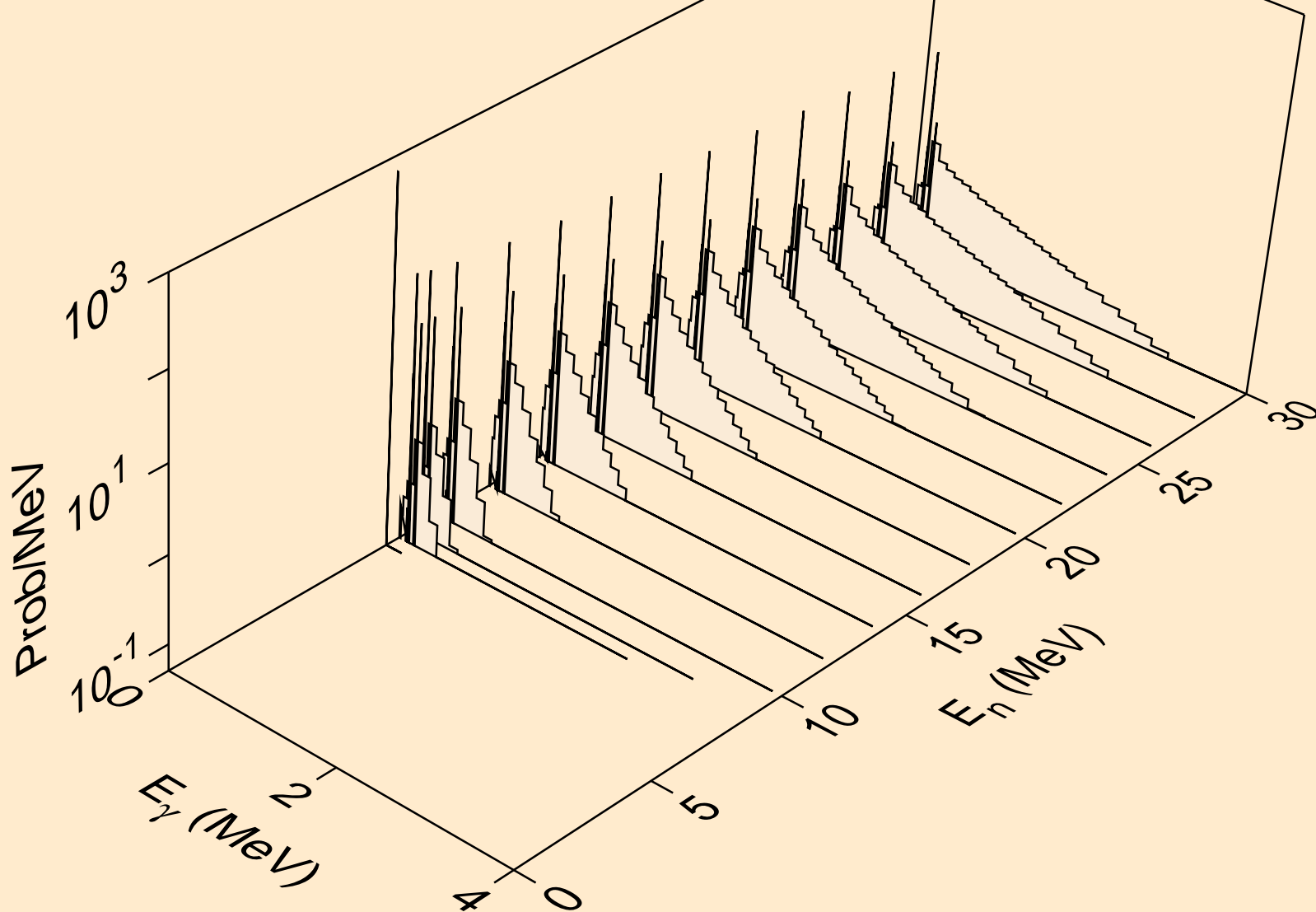
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Photon emission for (n,2p)



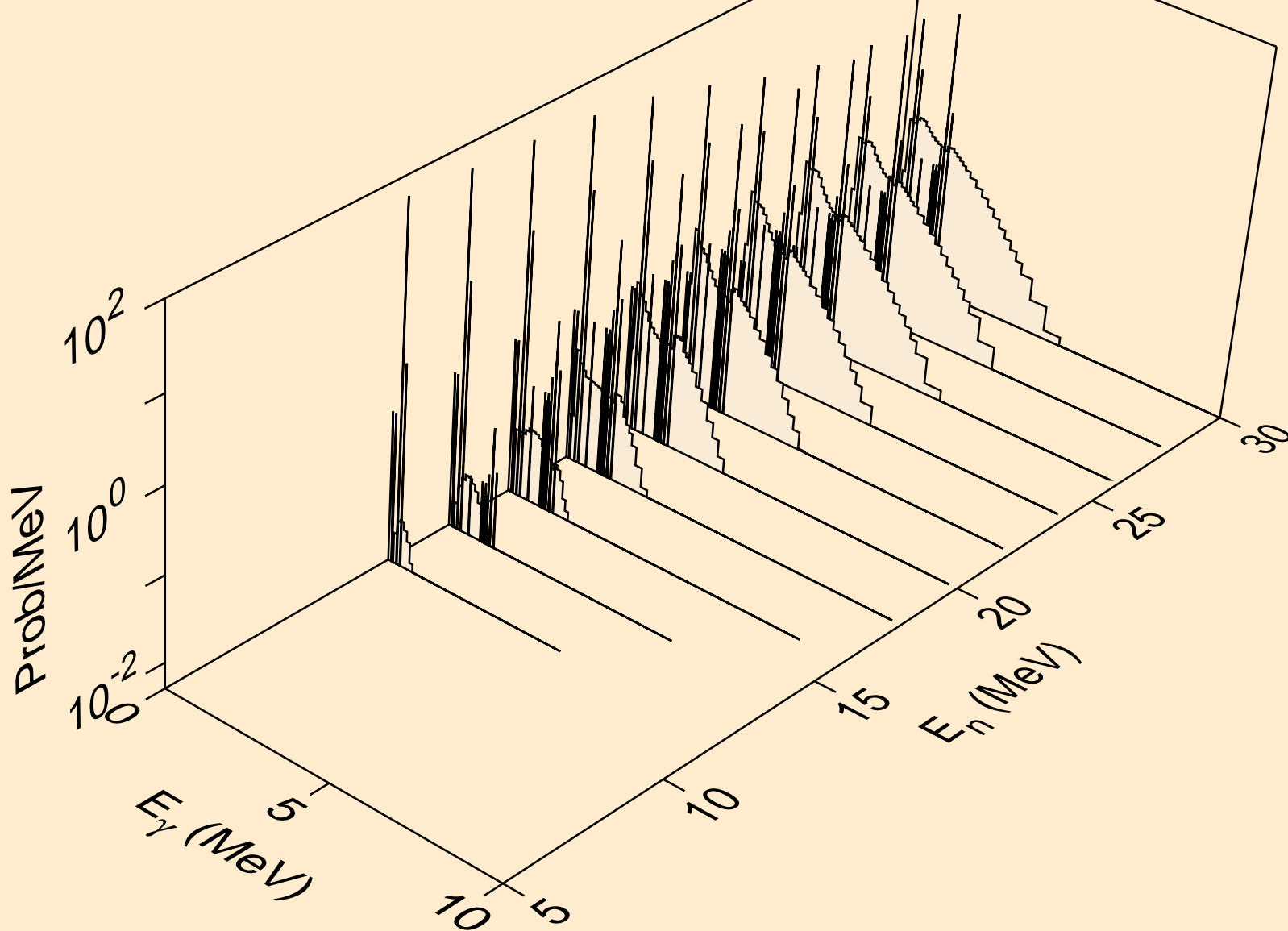
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Photon emission for (n,p $\alpha$ )



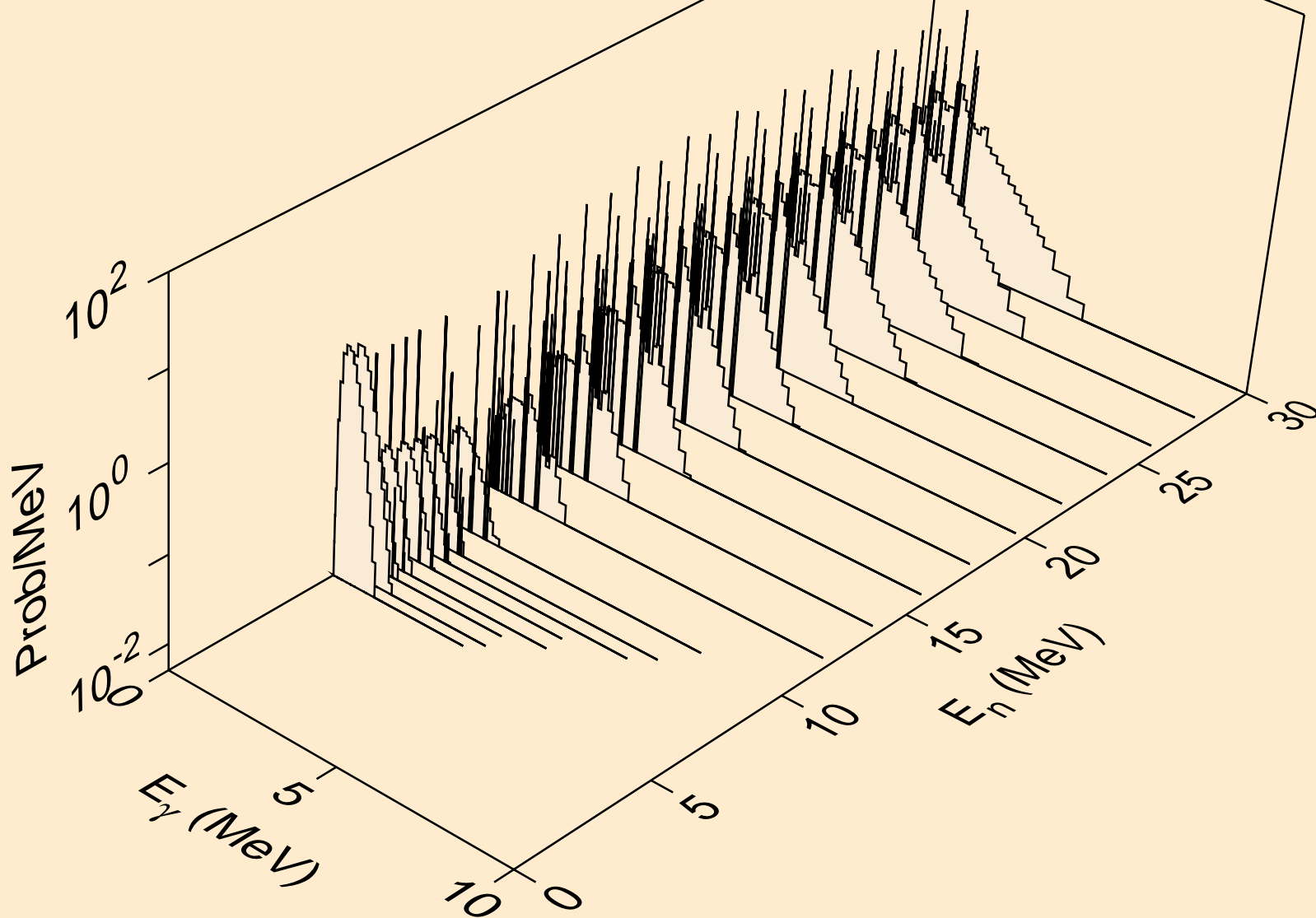
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Photon emission for (n,pd)



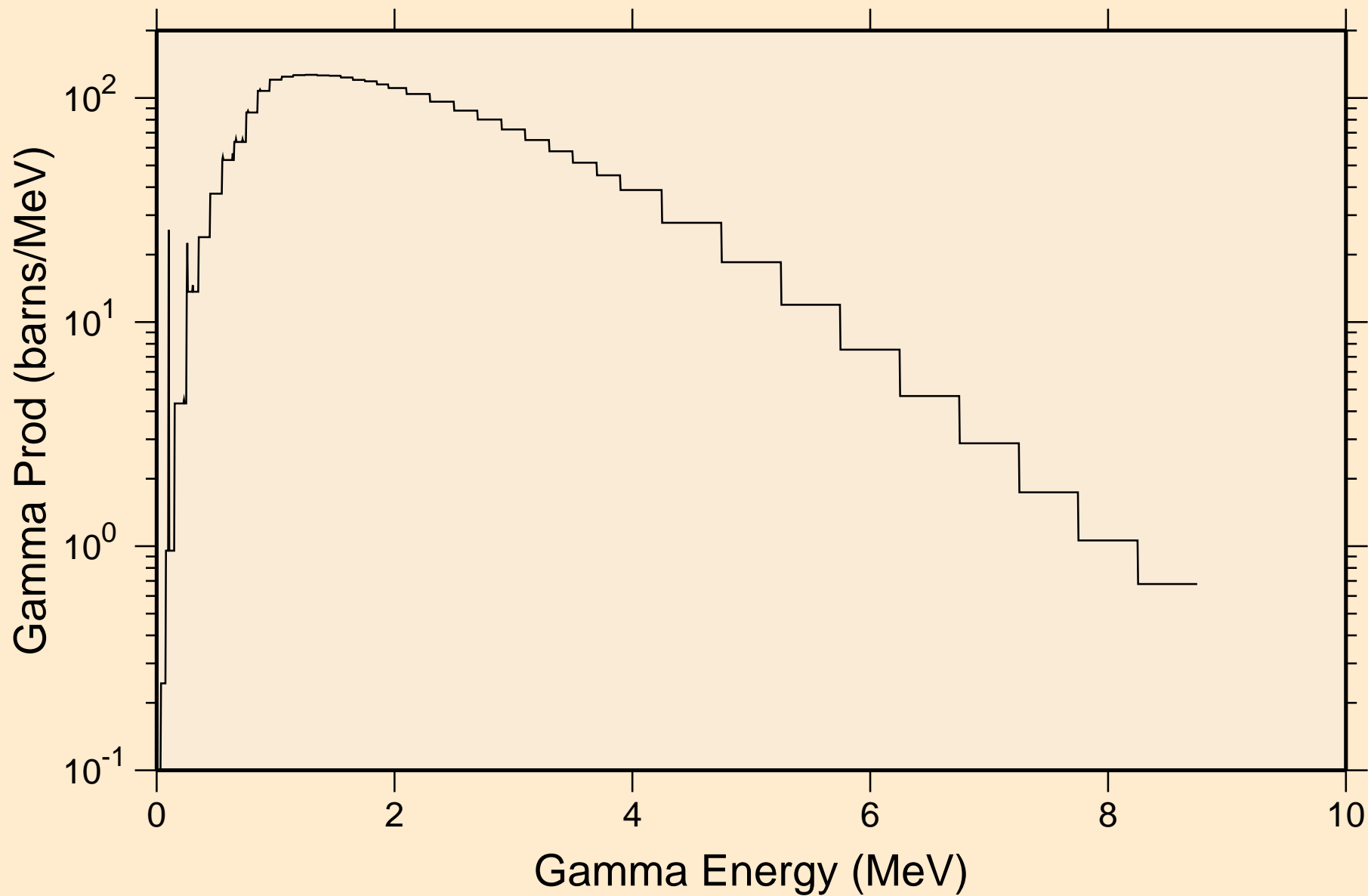
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Photon emission for (n,pt)



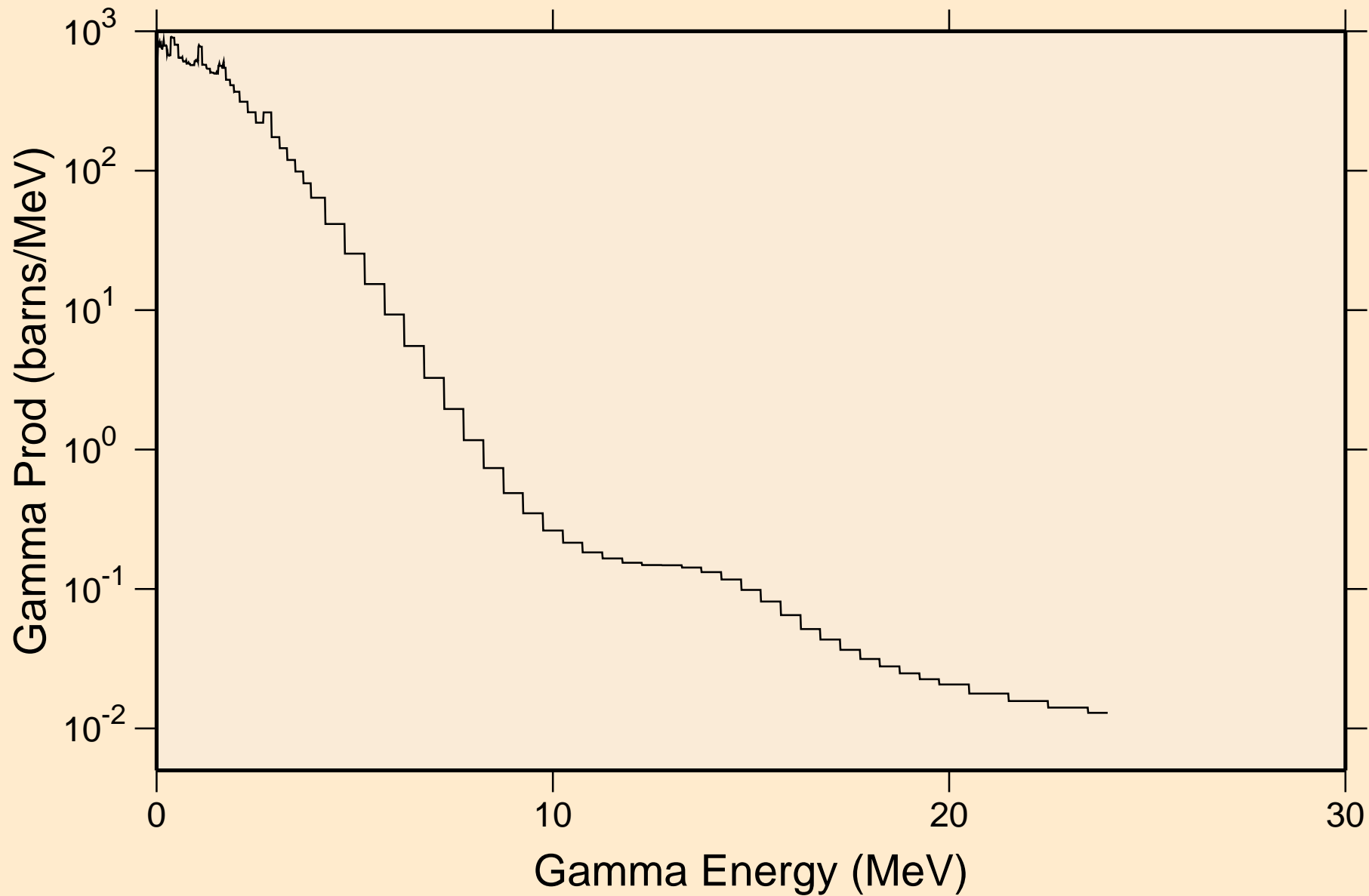
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Photon emission for (n,da)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

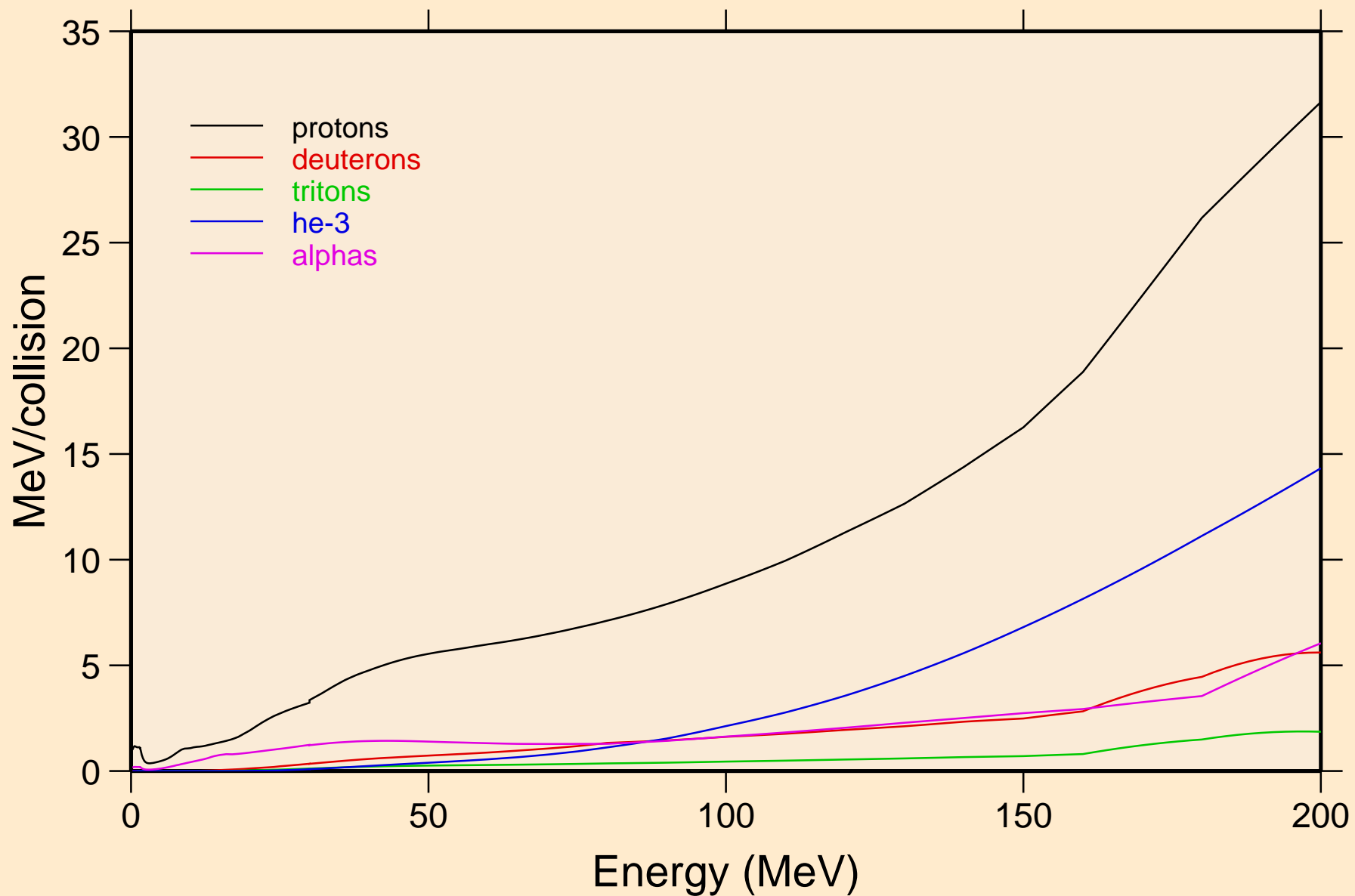


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14 MeV photon spectrum



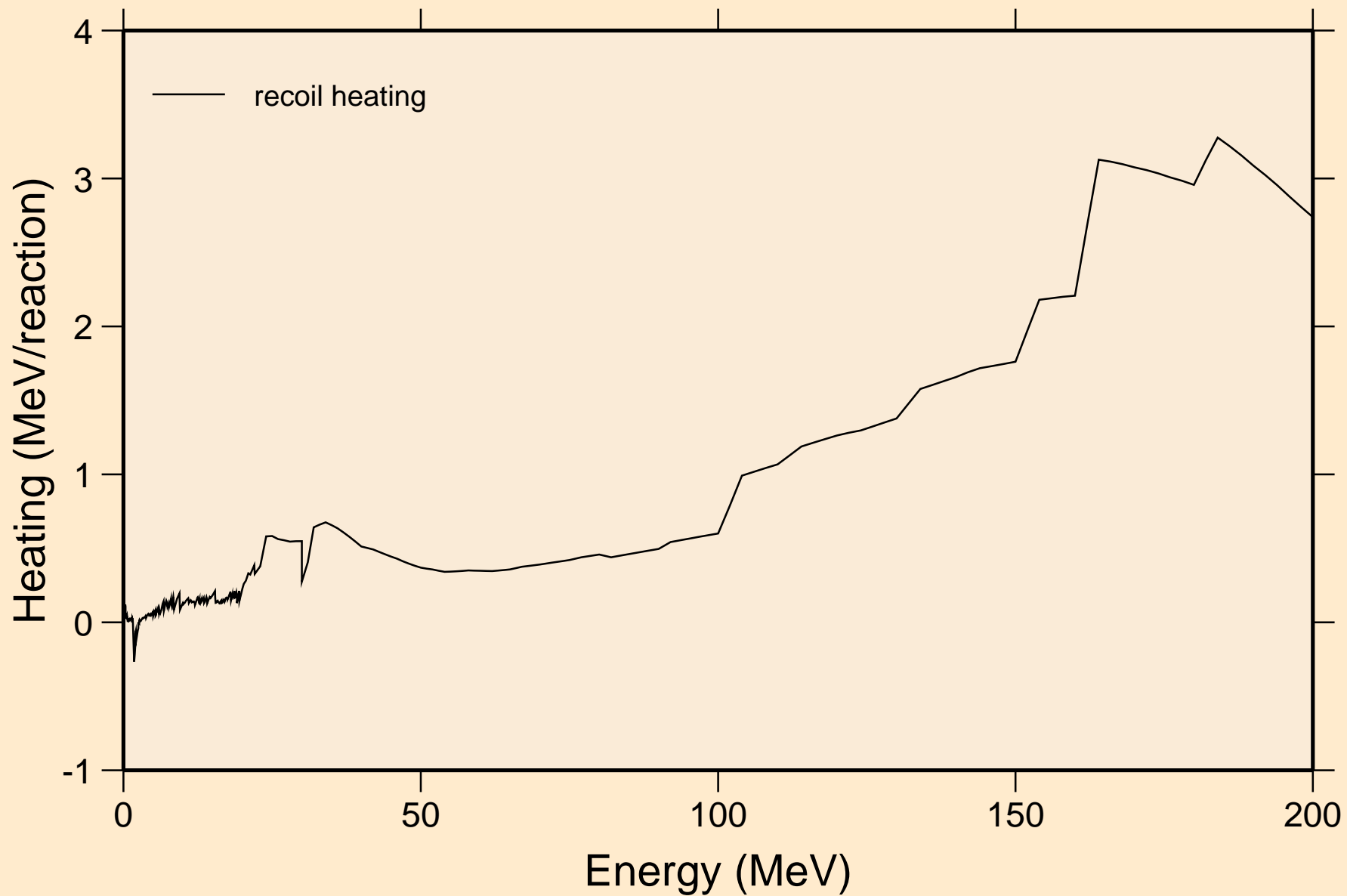
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## Particle heating contributions

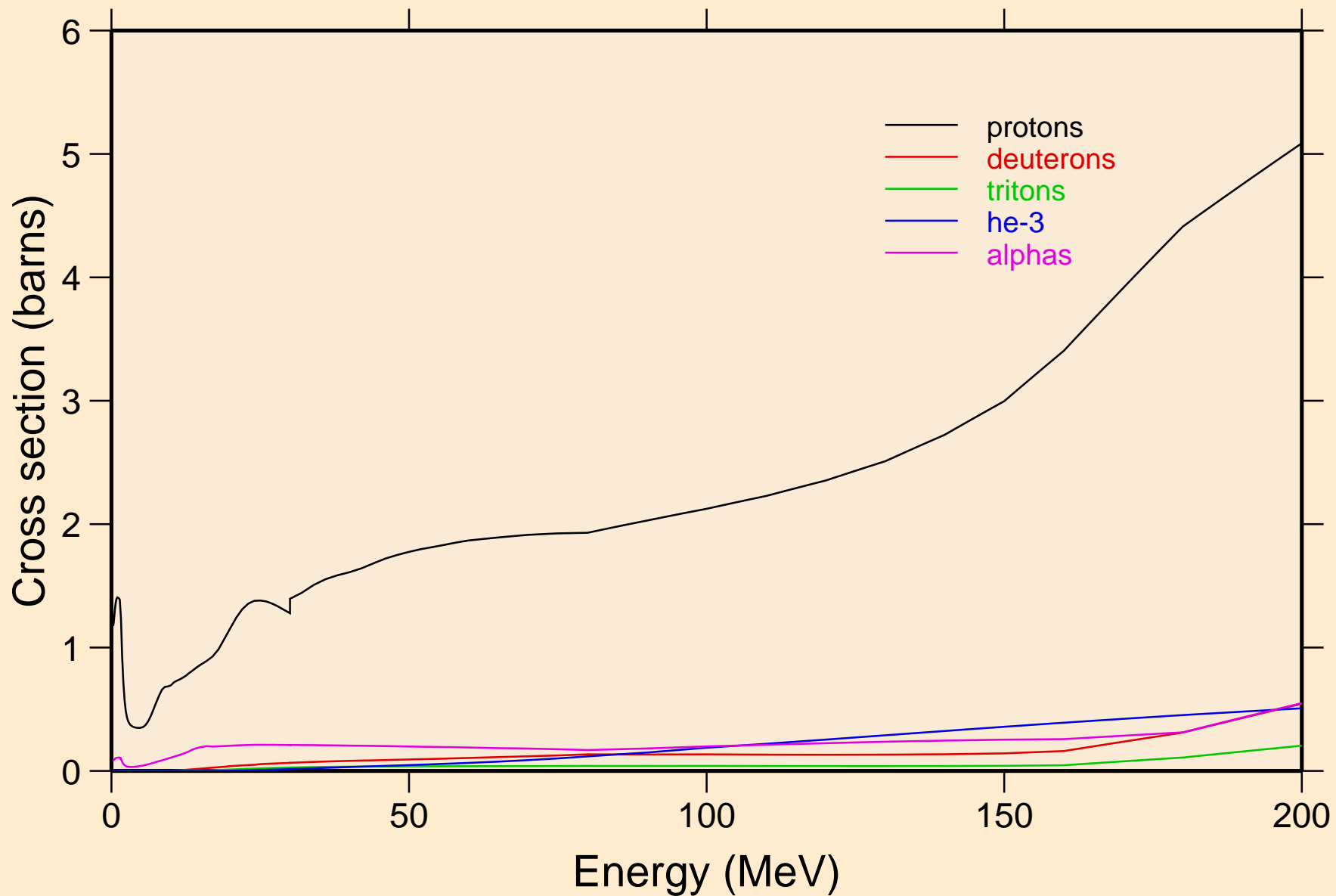




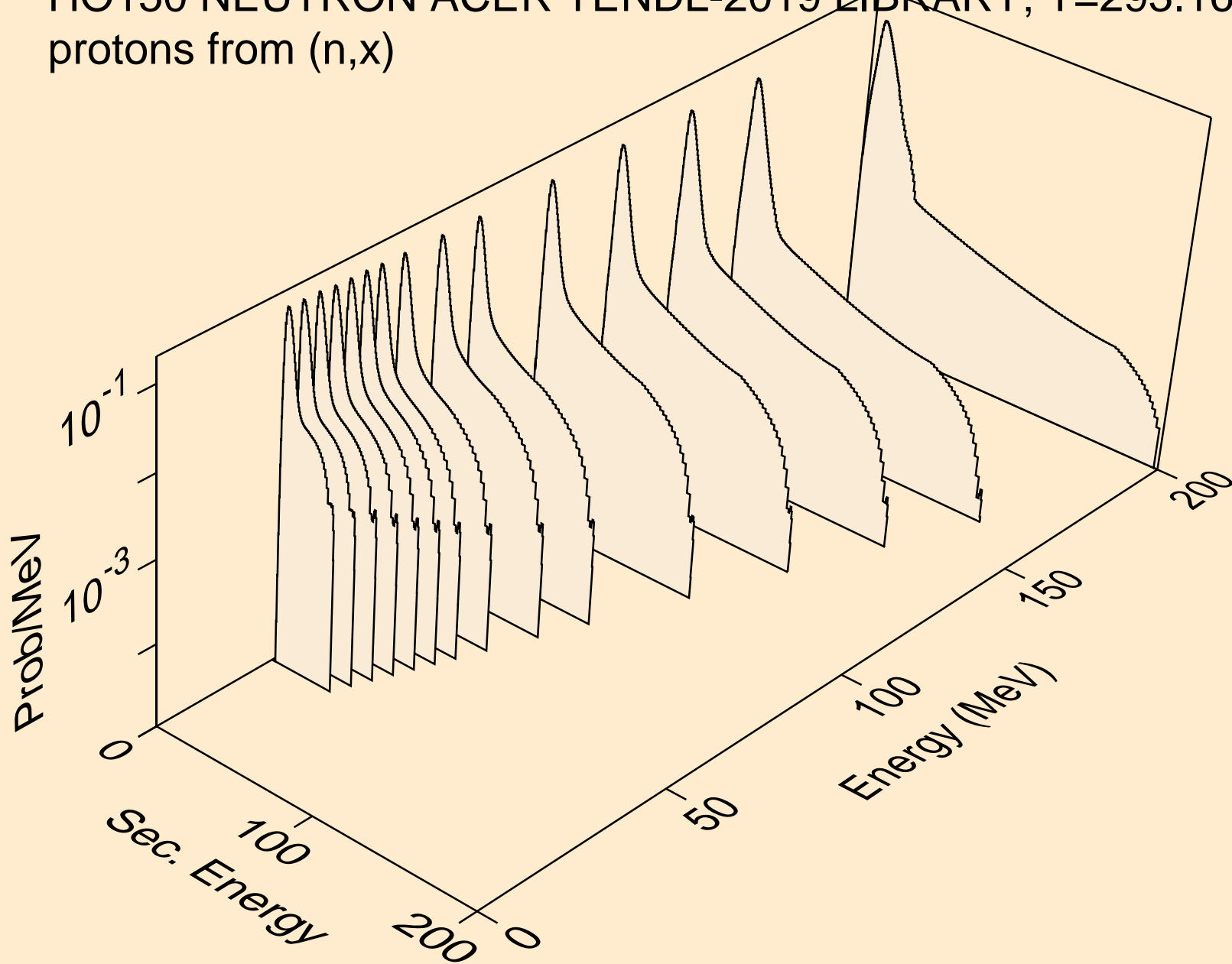
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Recoil Heating



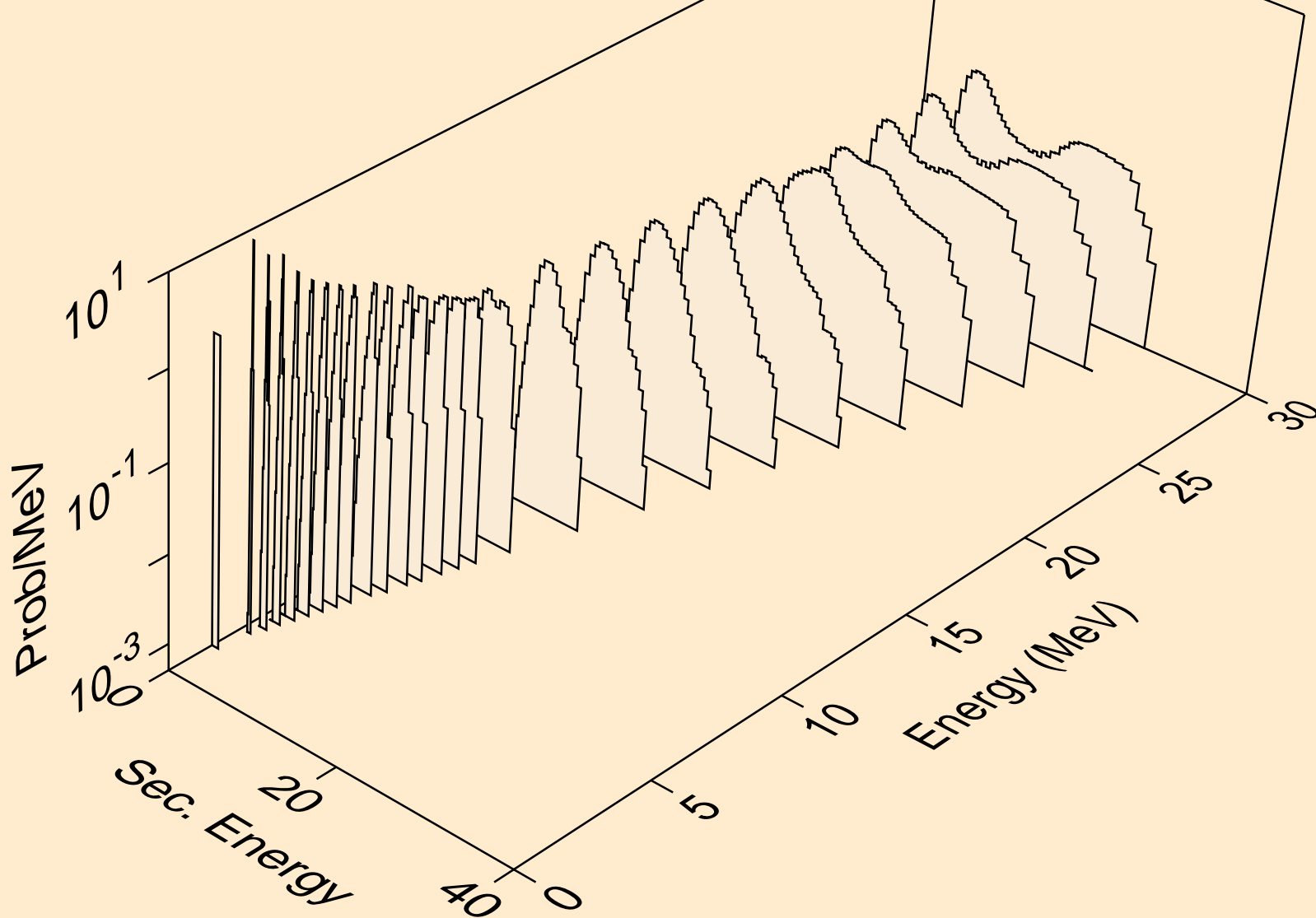
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Particle production cross sections



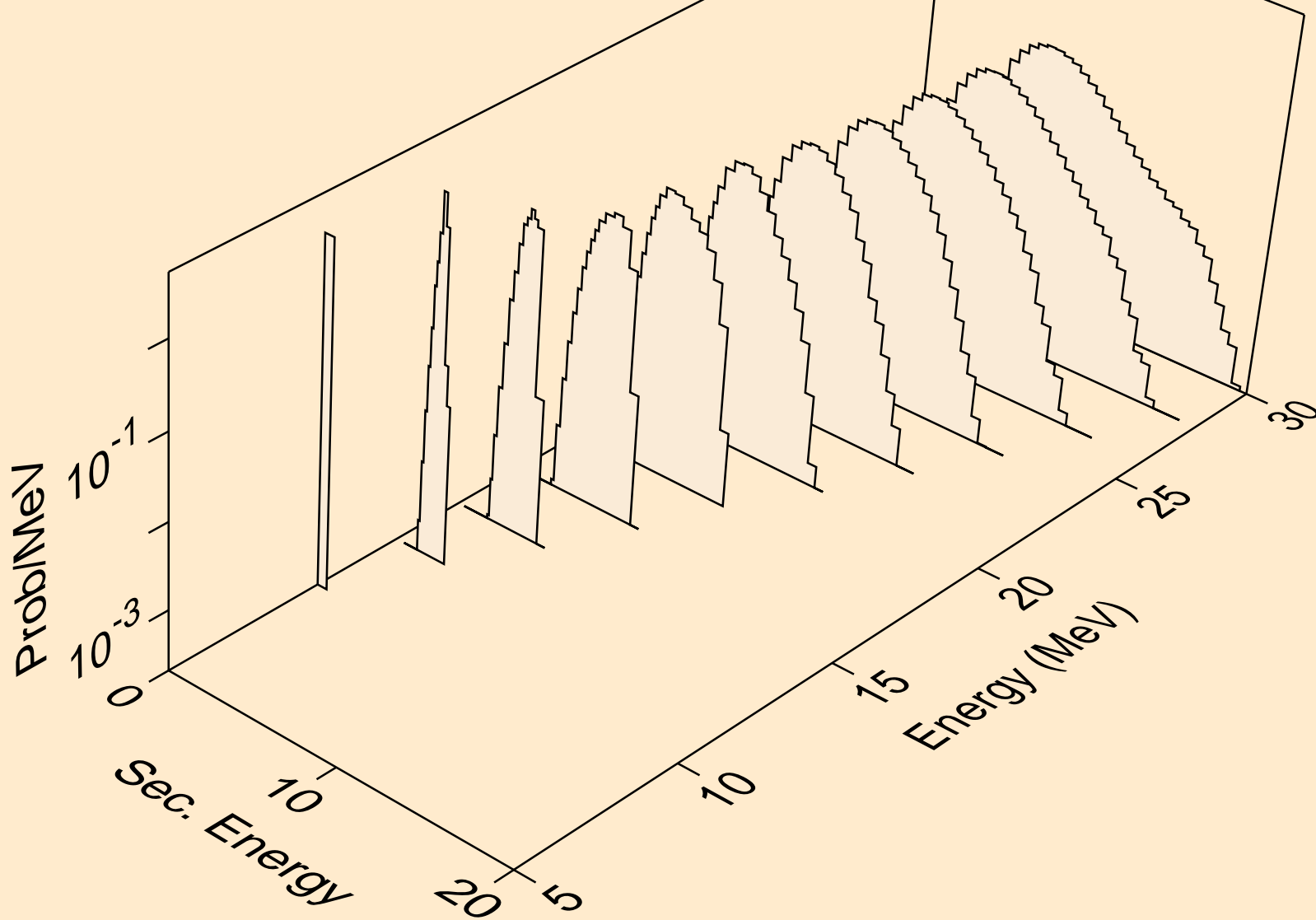
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protons from (n,x)



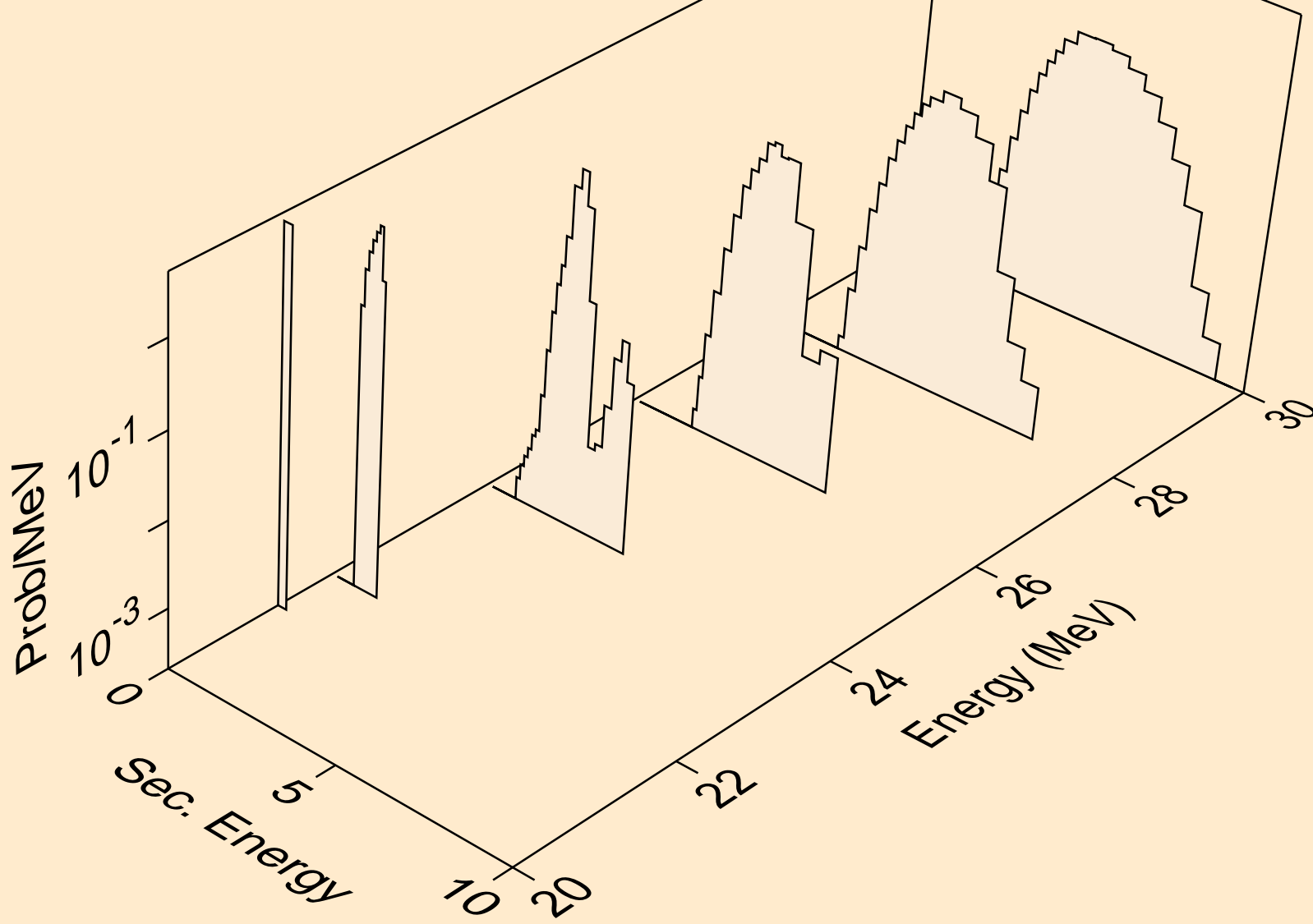
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protons from (n,n\*)p



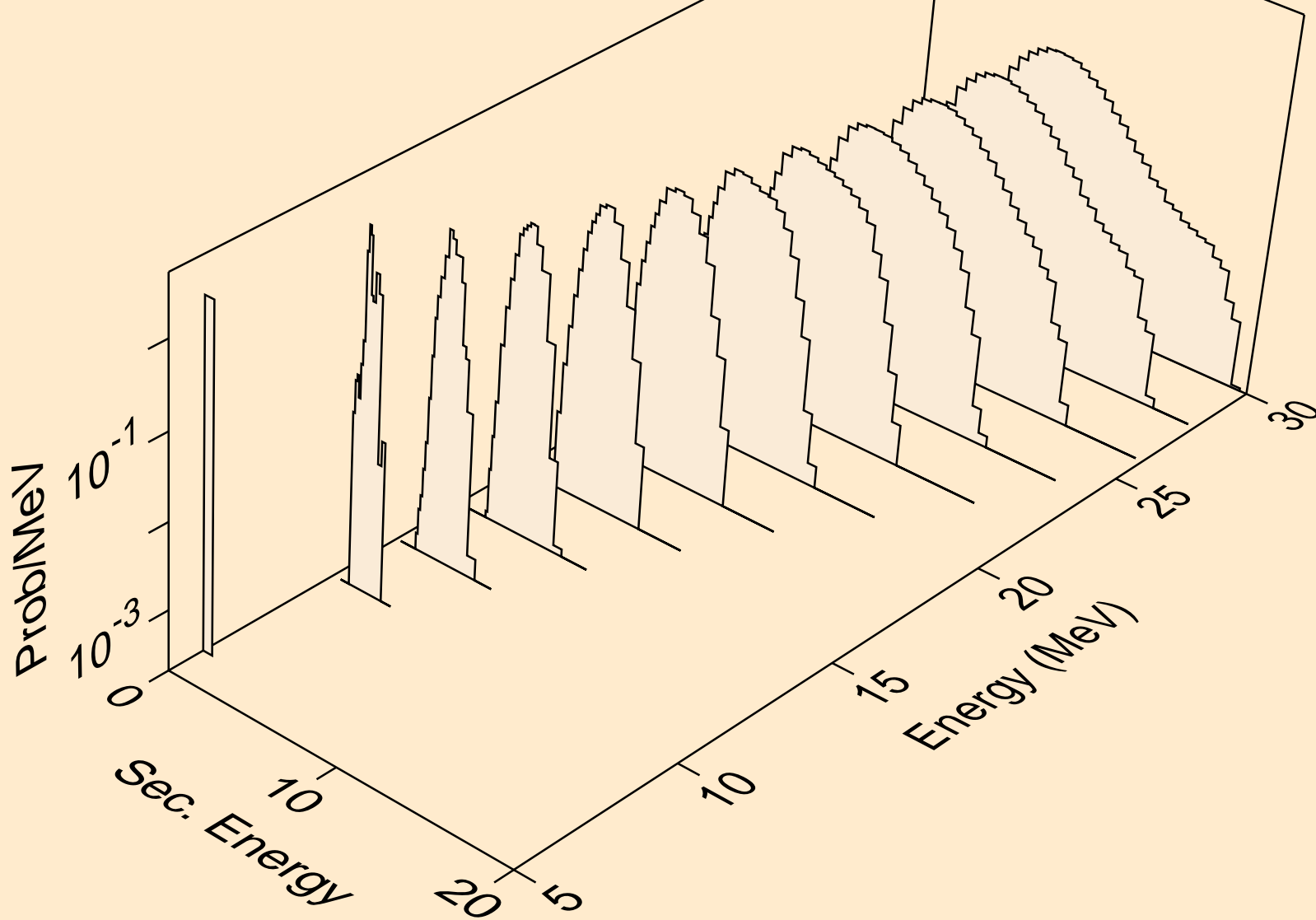
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protons from (n,2np)



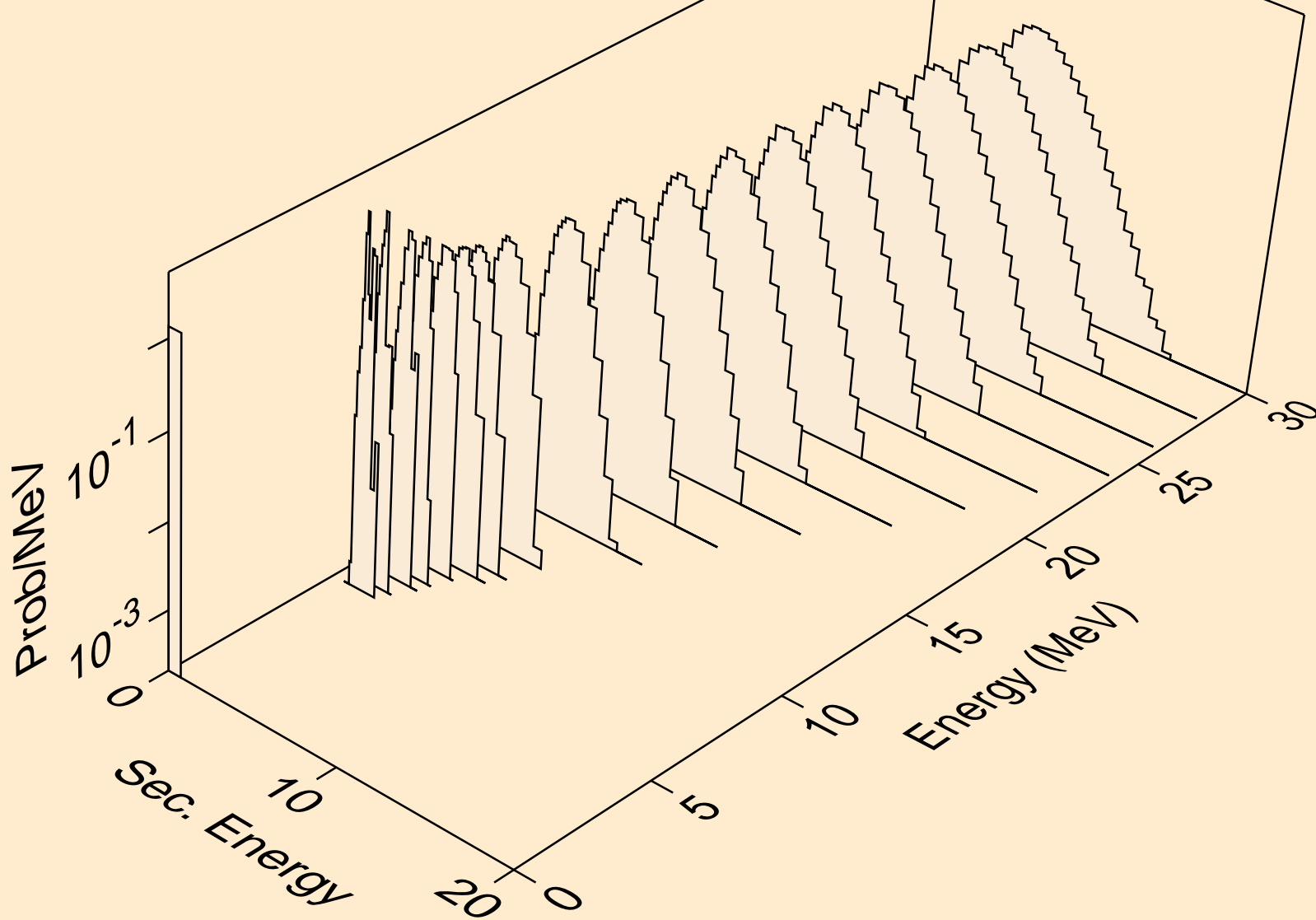
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protons from (n,3np)



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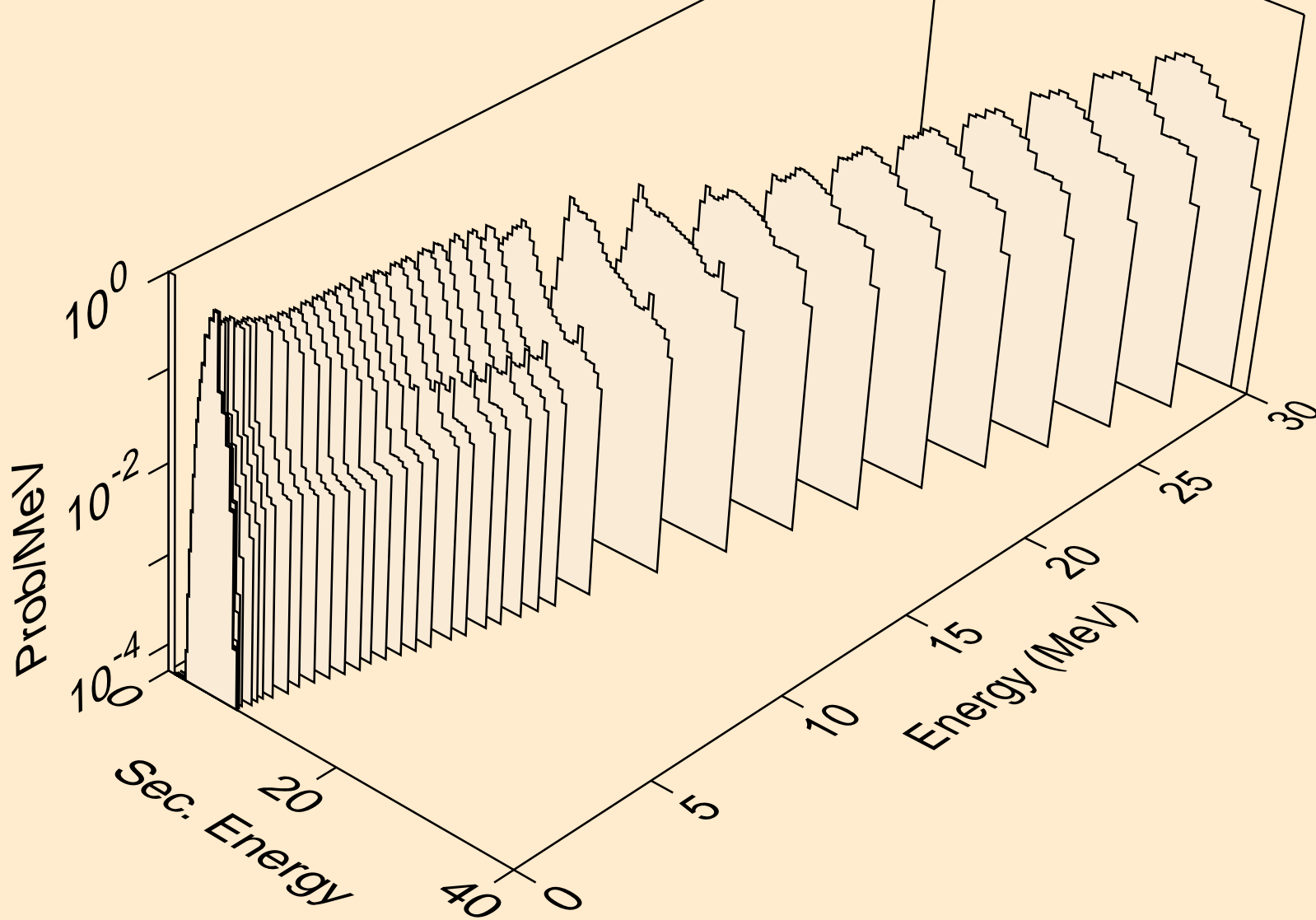


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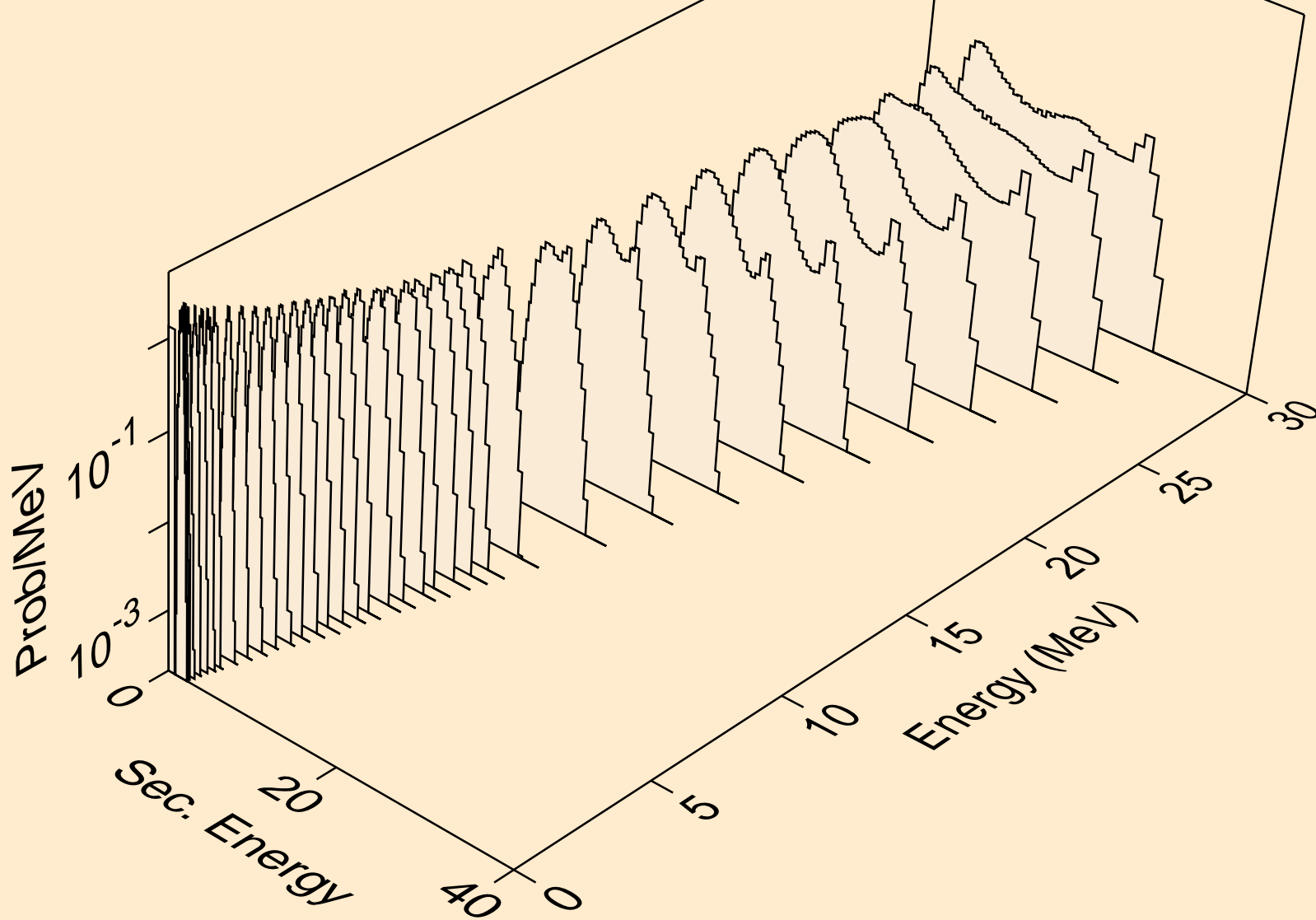




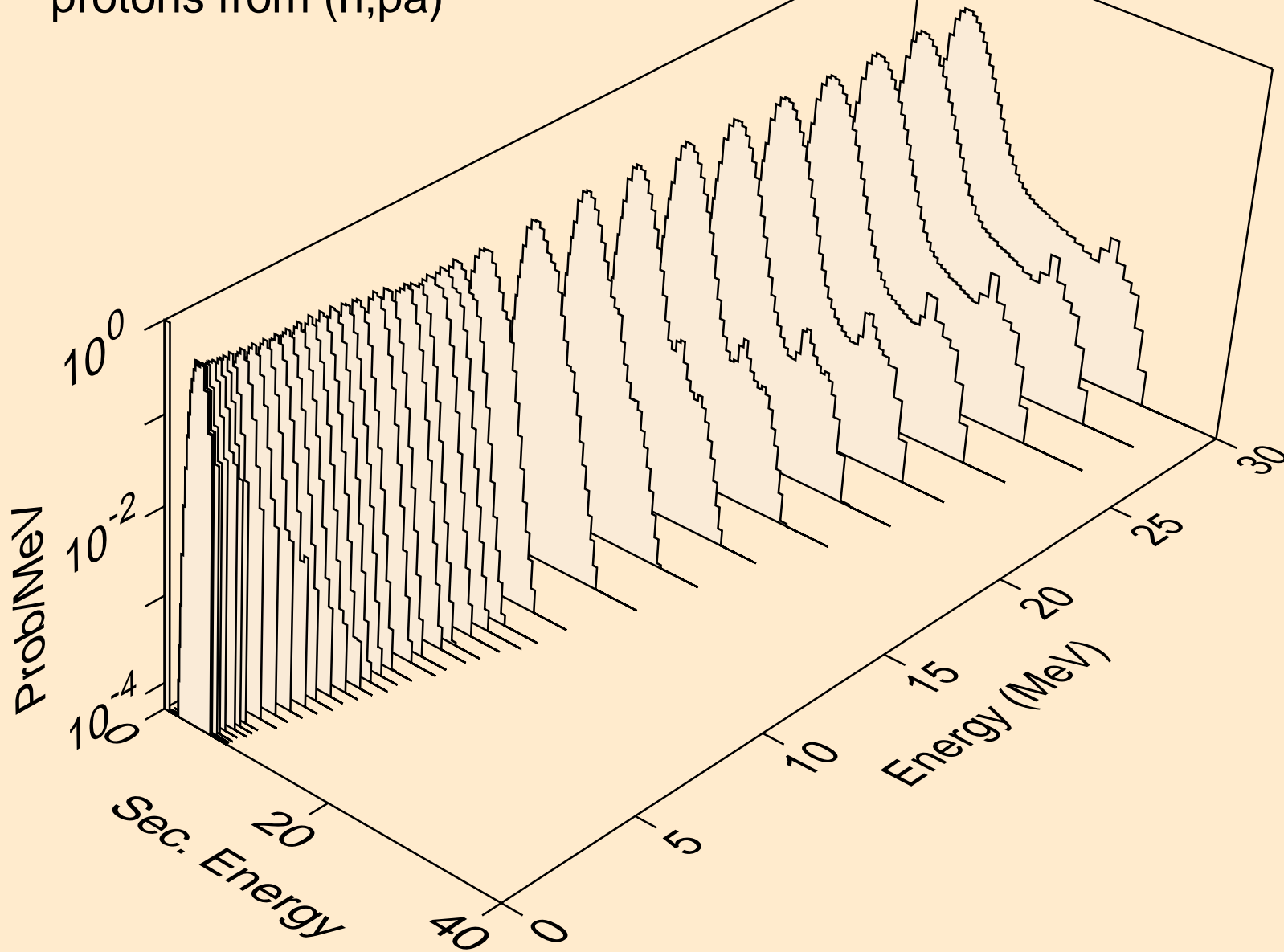
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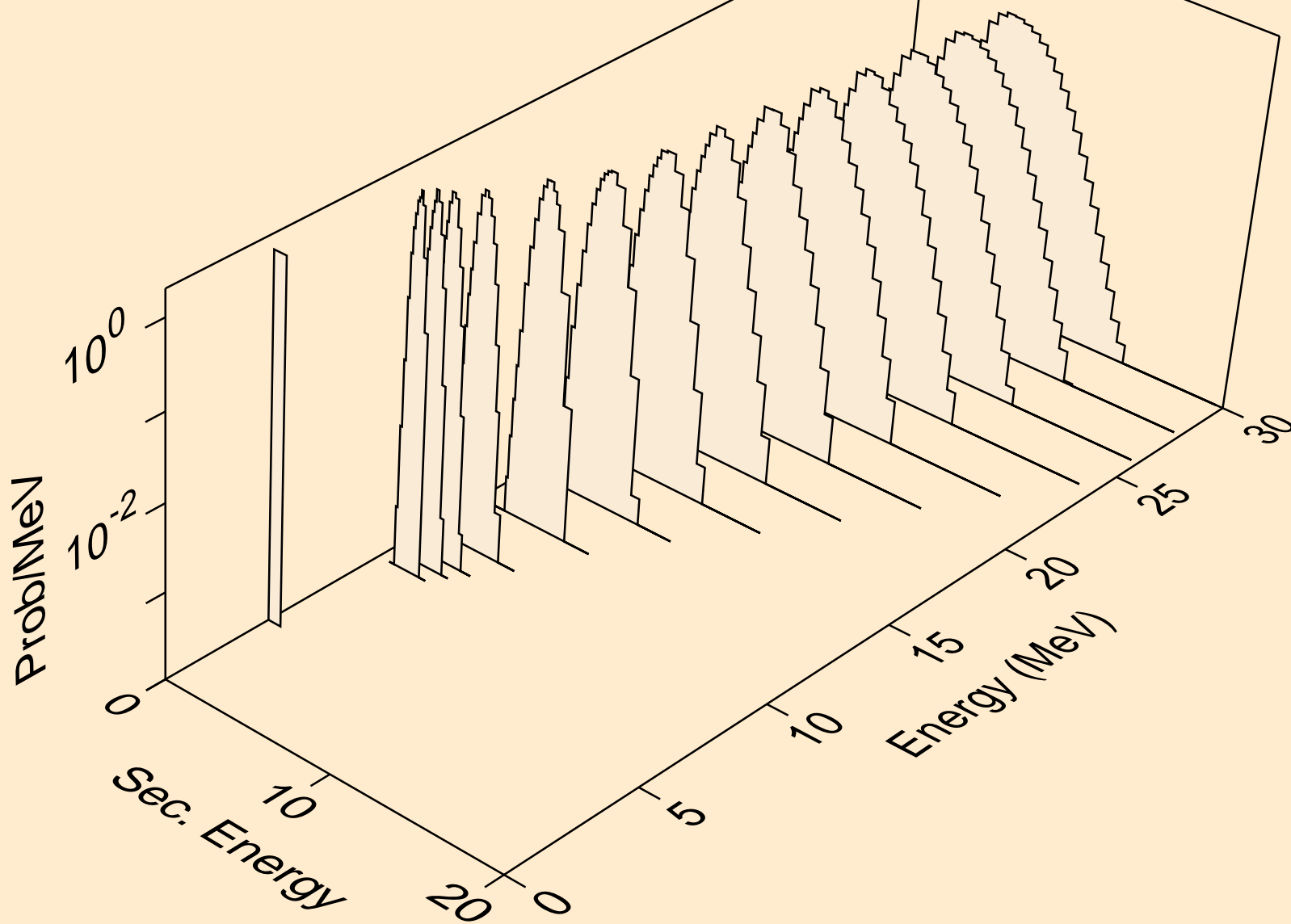
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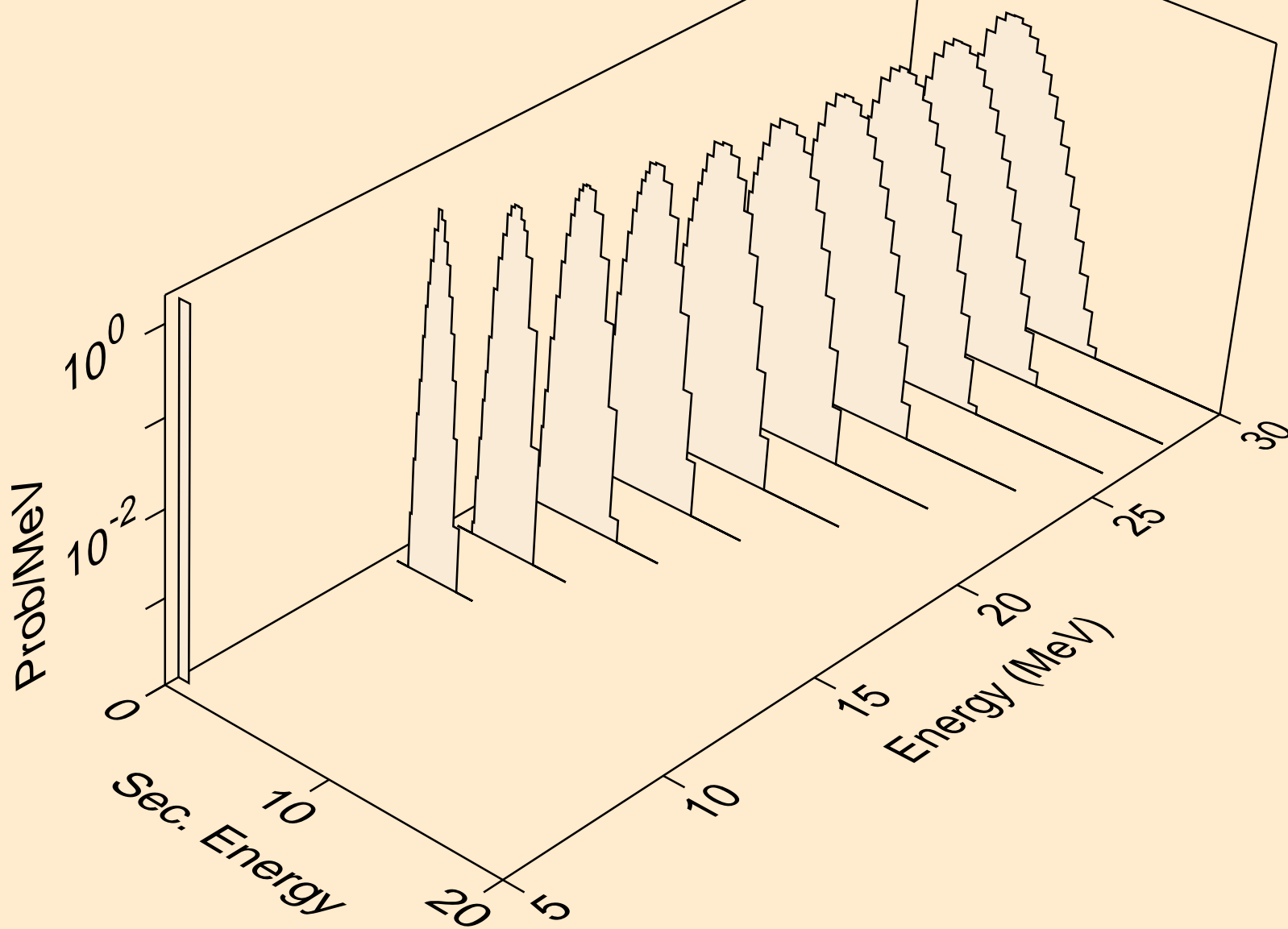
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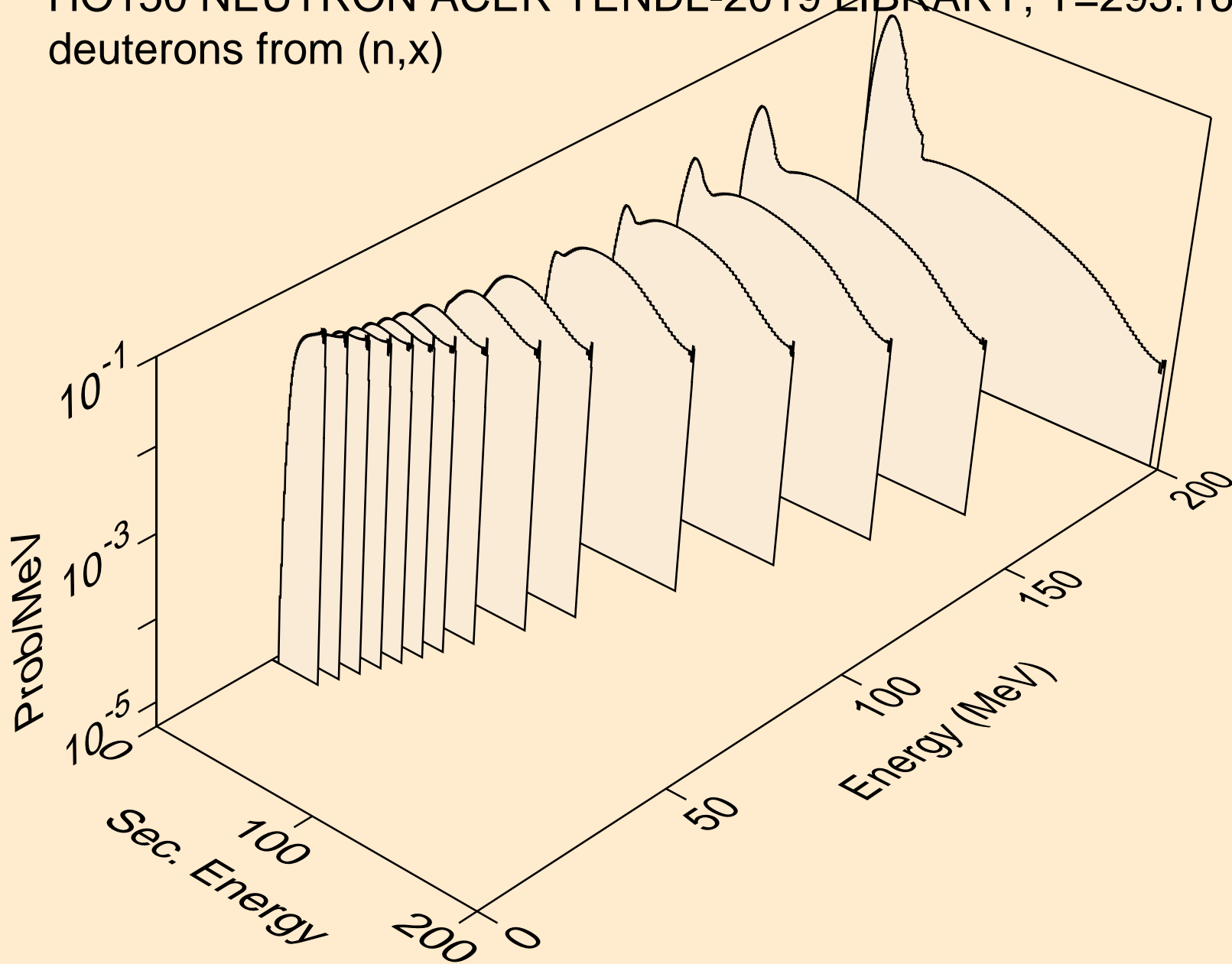
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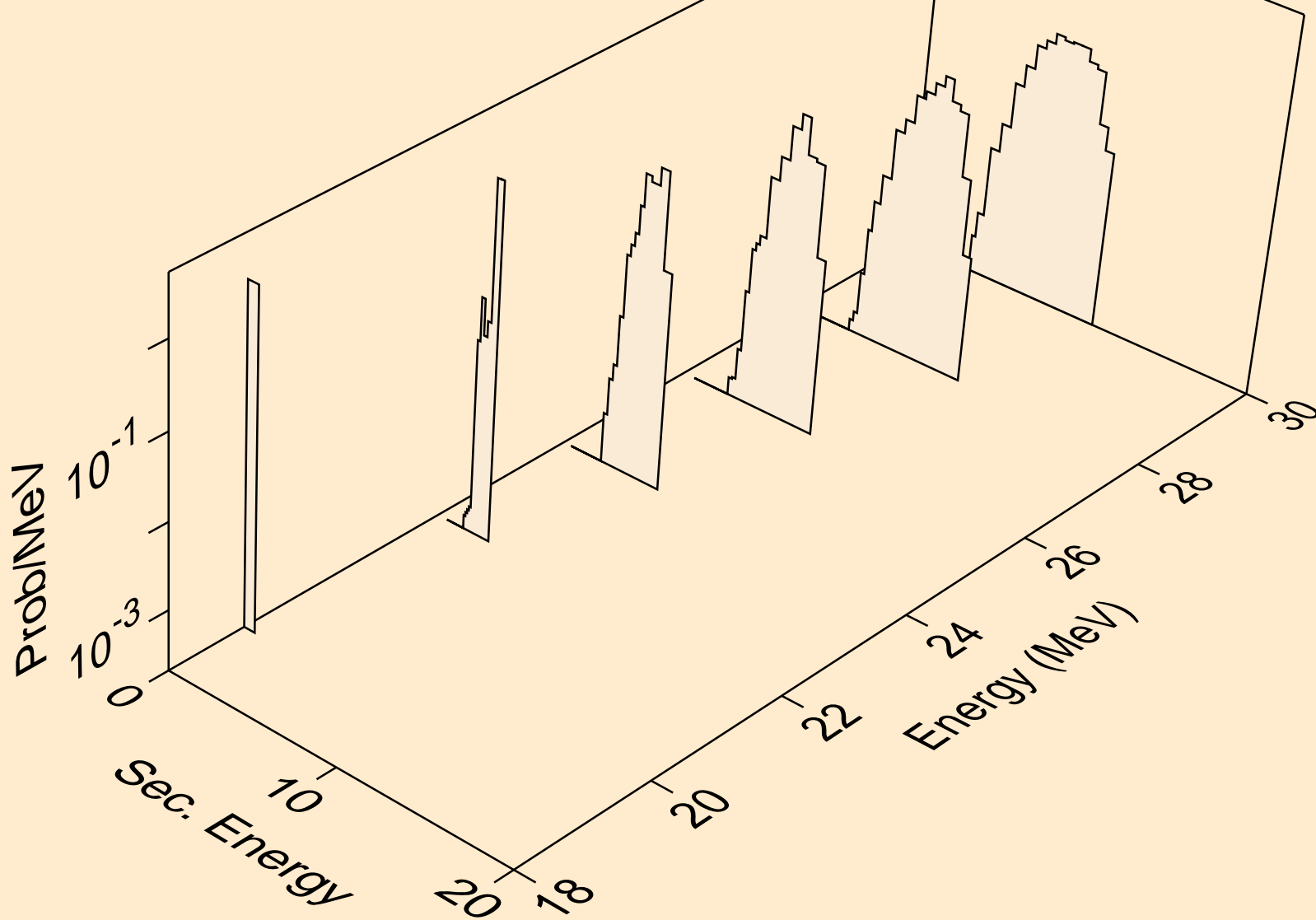
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protons from (n,pt)



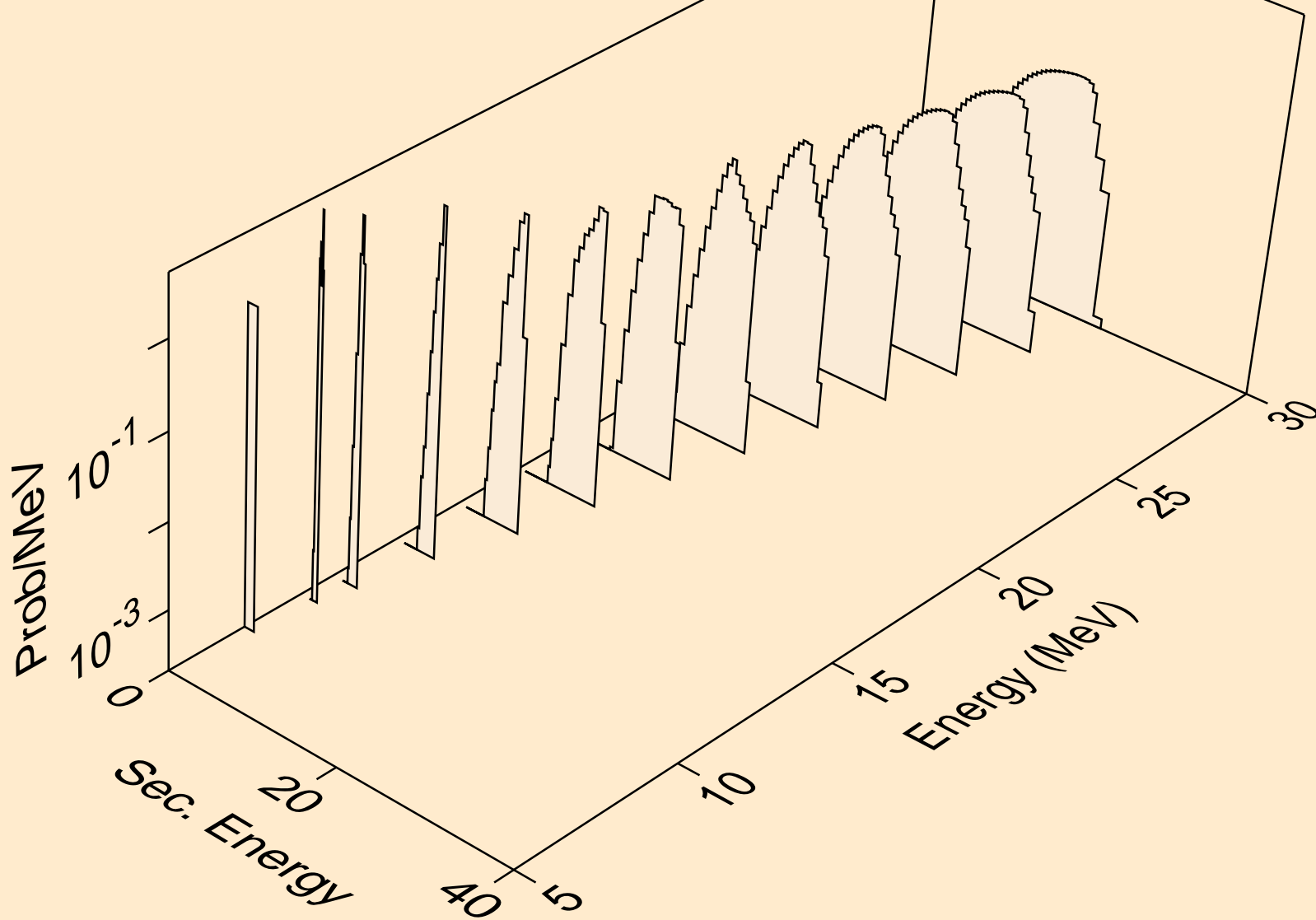
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deuterons from (n,x)



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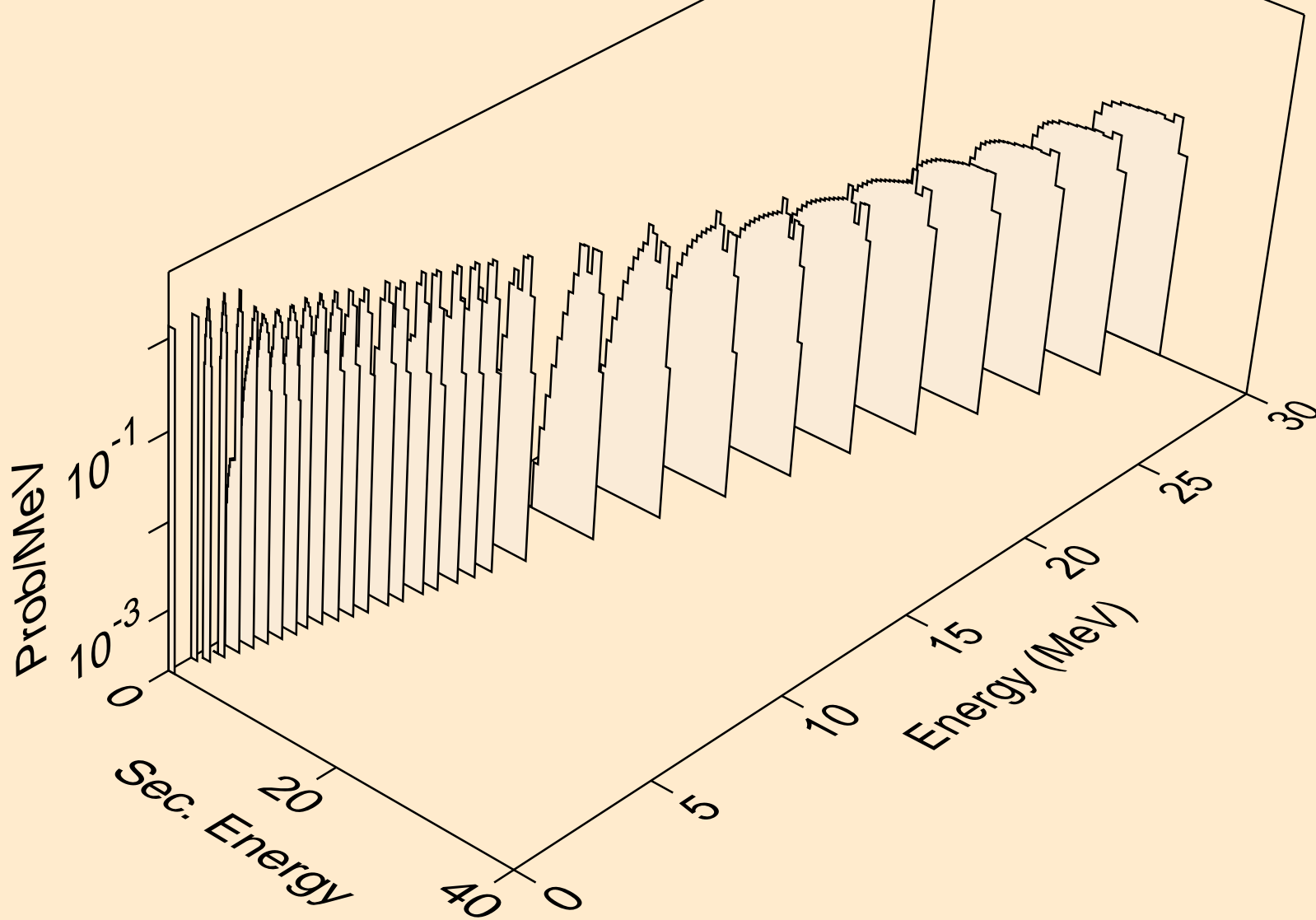


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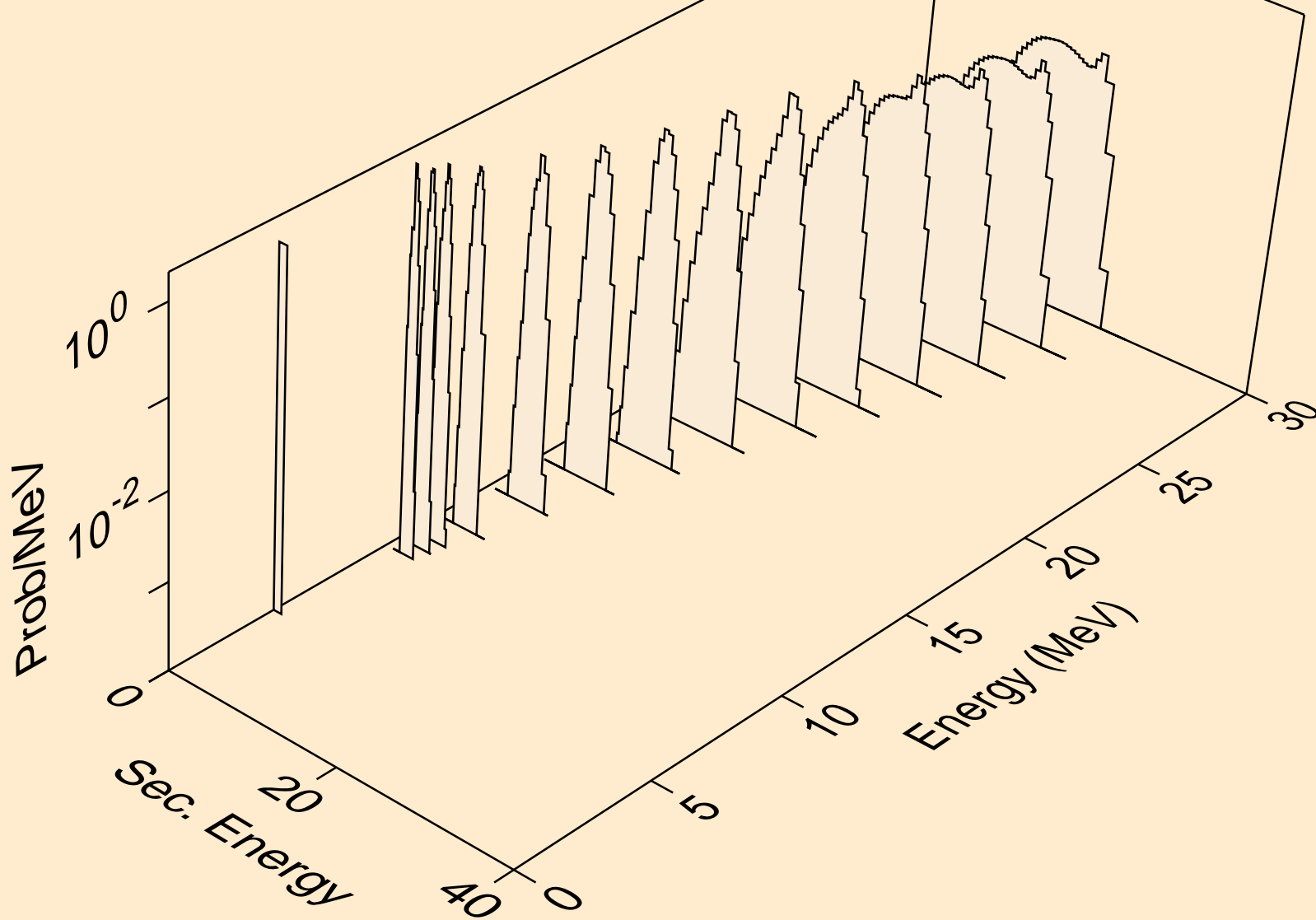




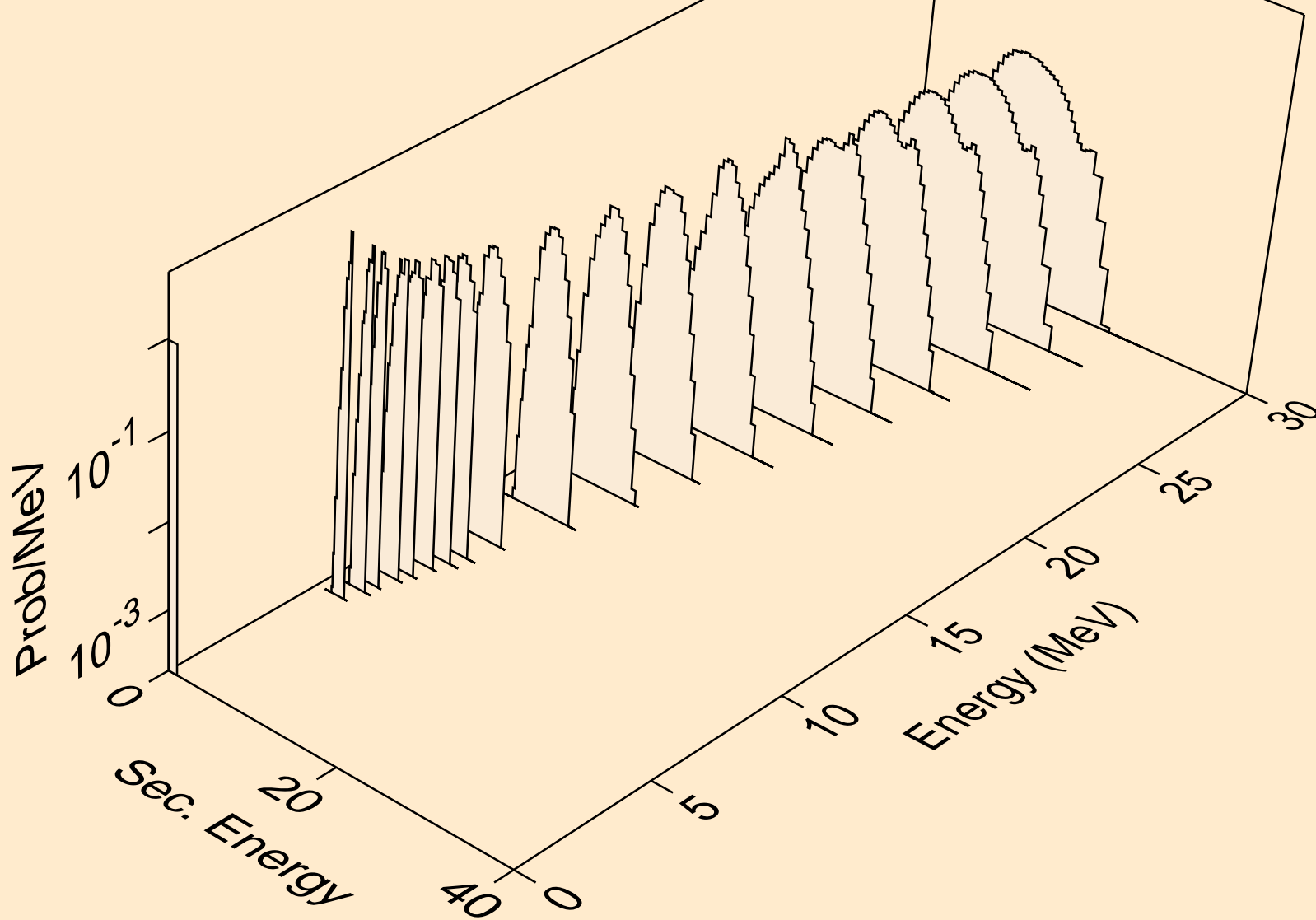
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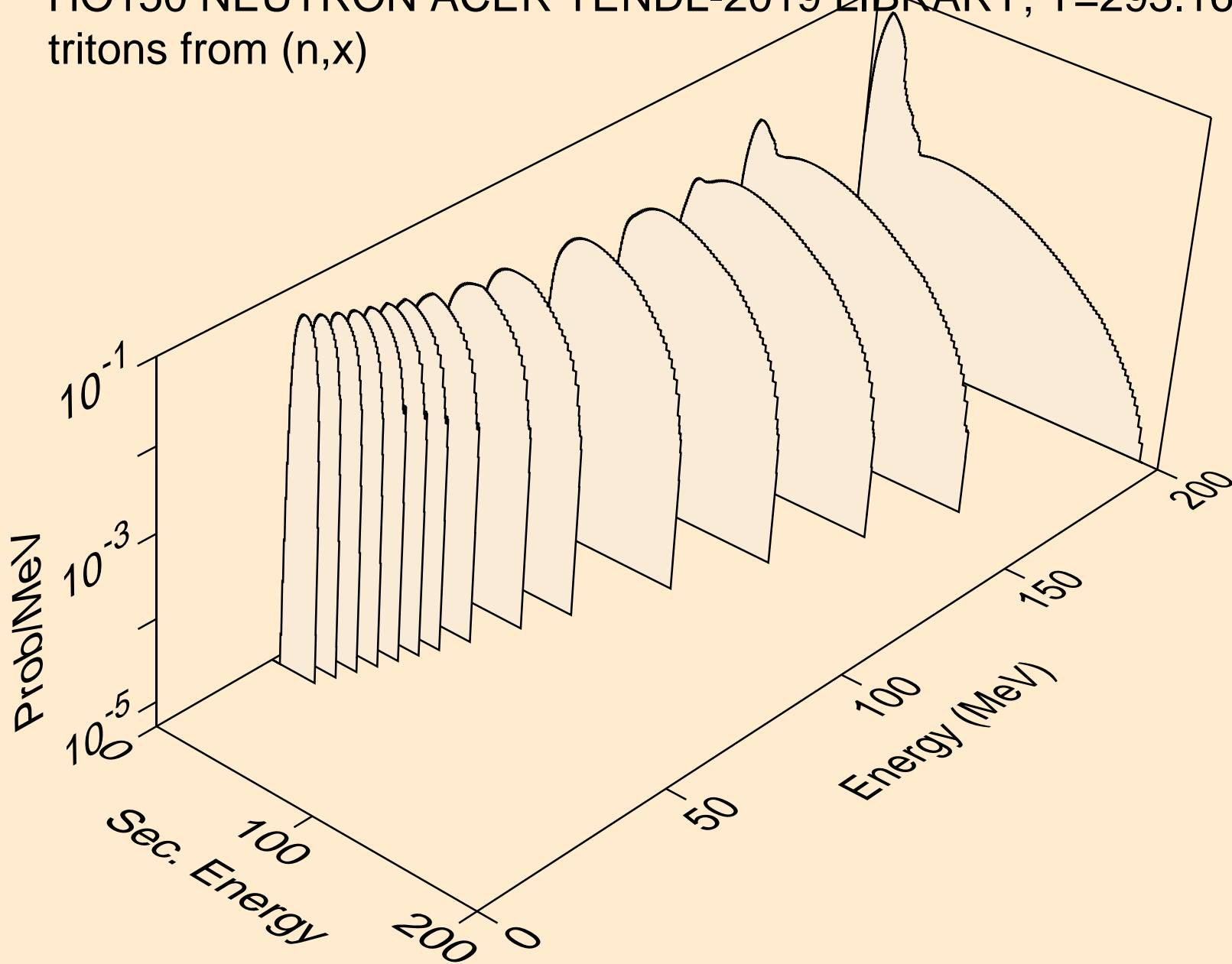
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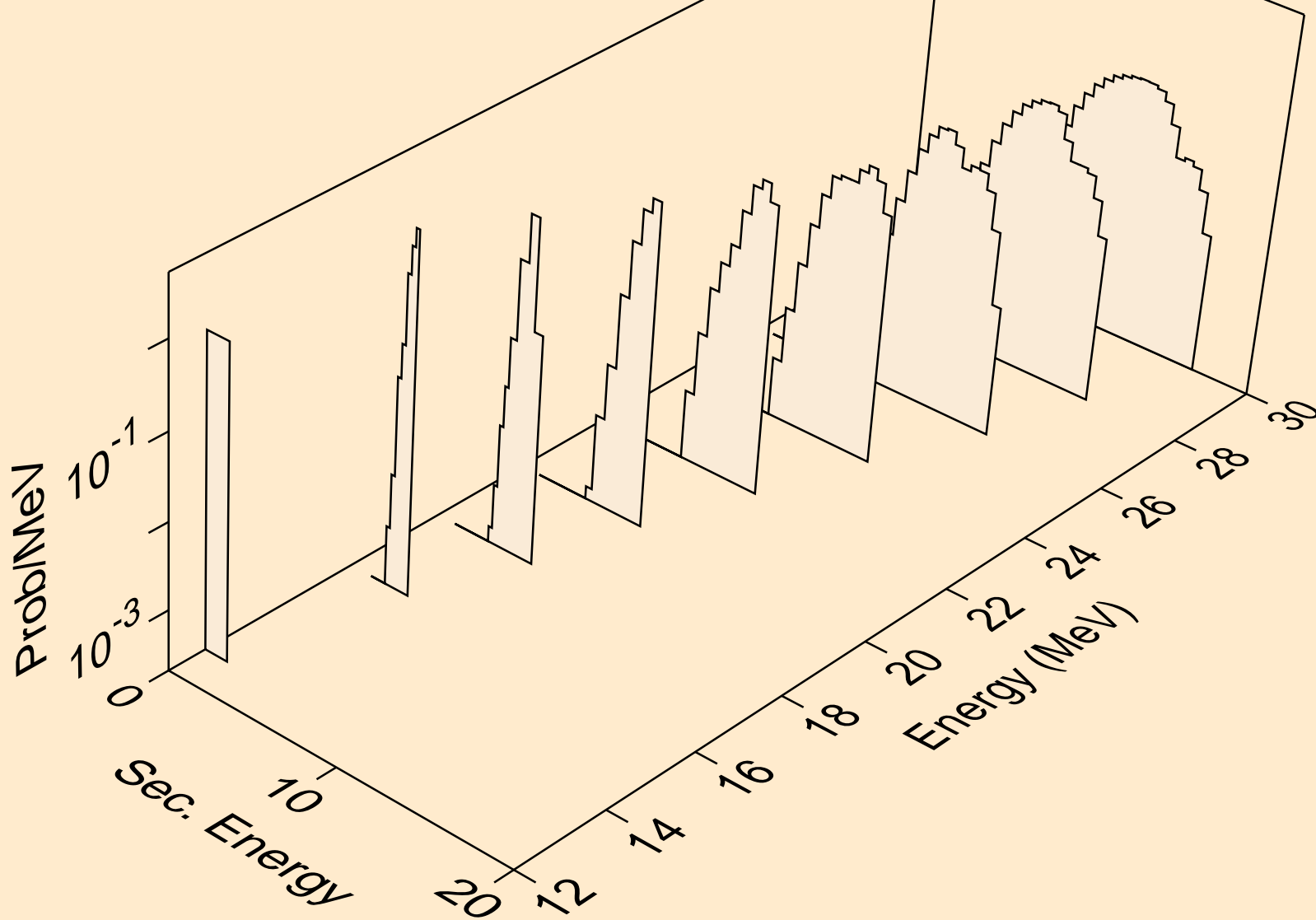
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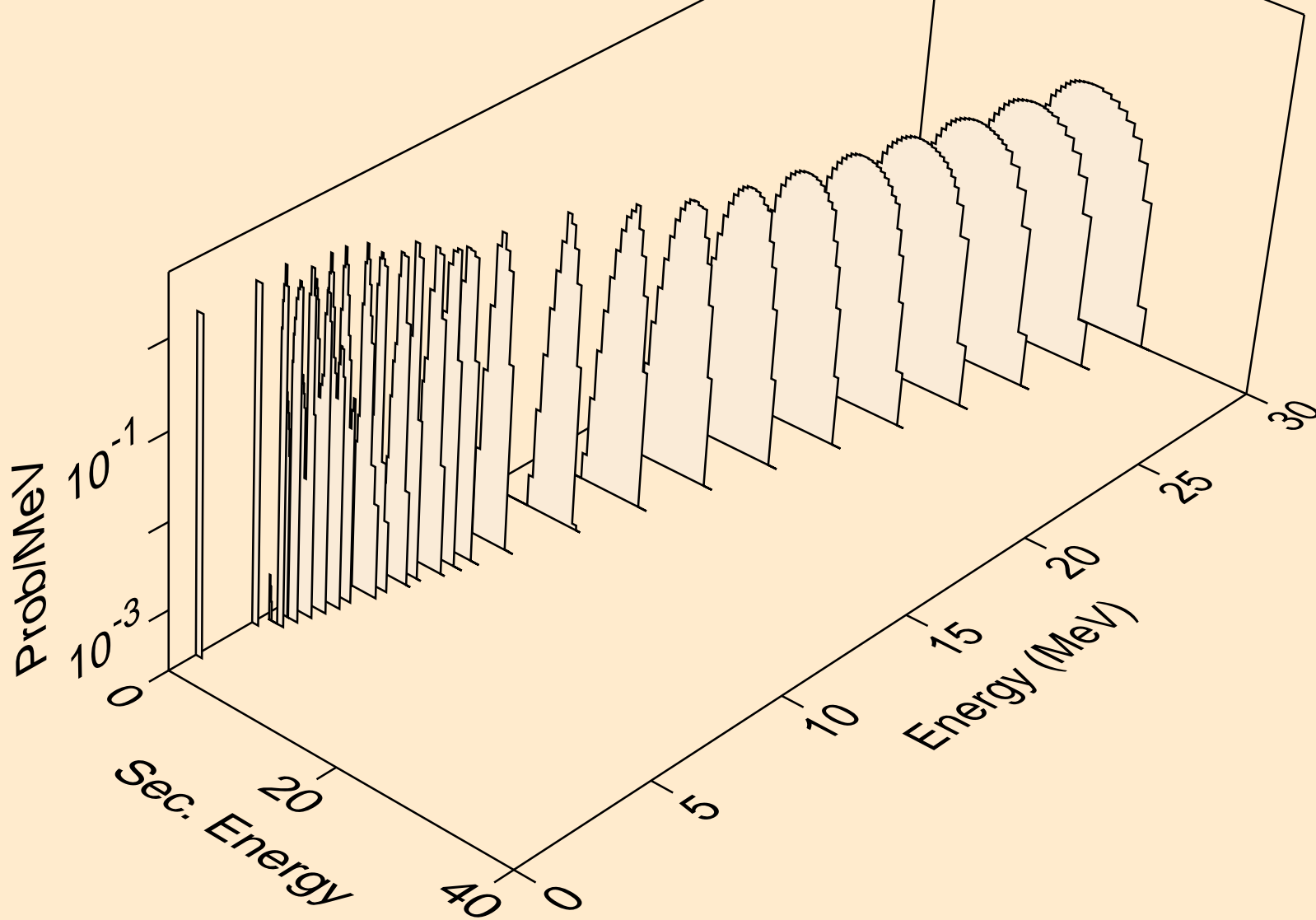
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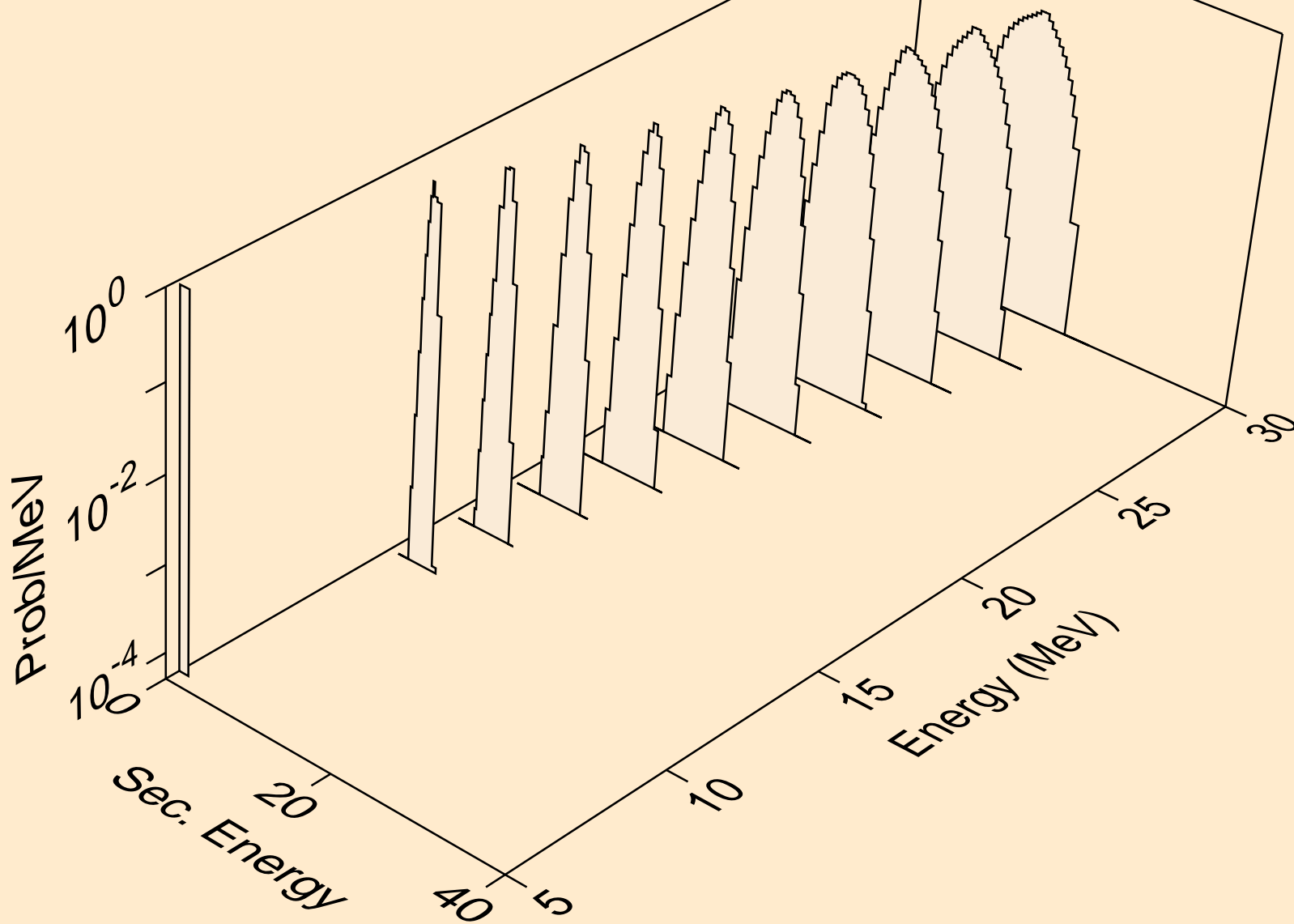
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



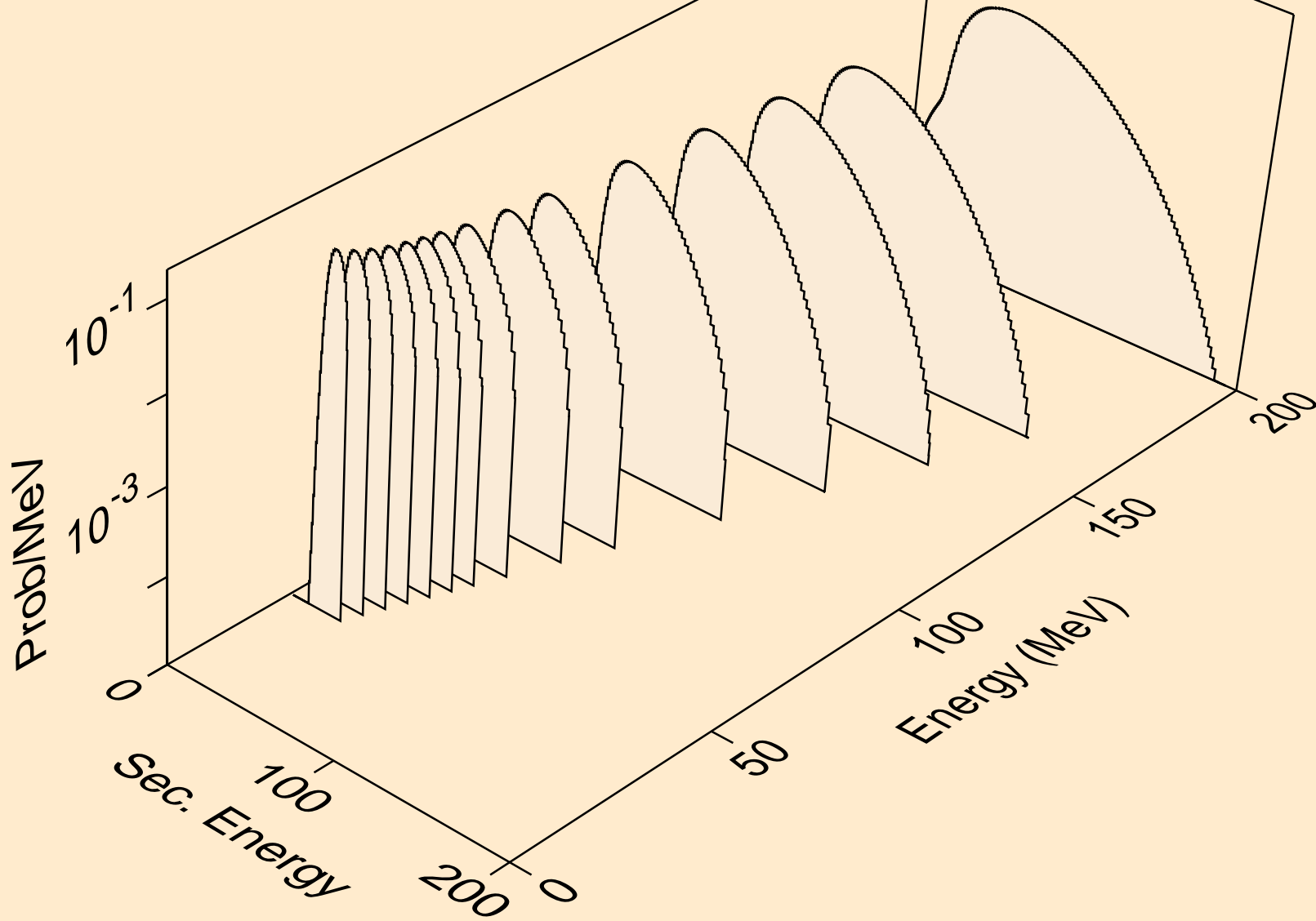
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

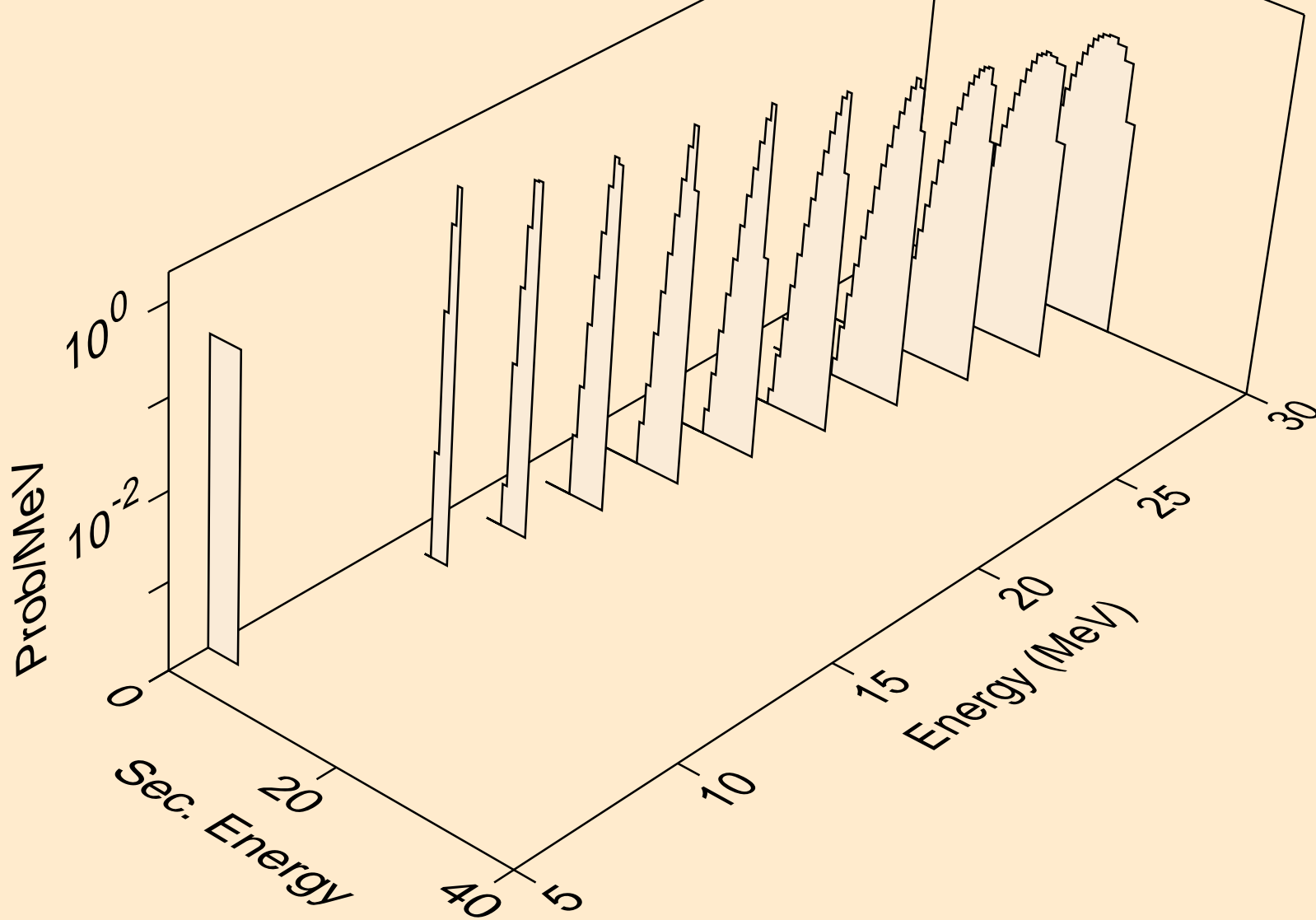


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

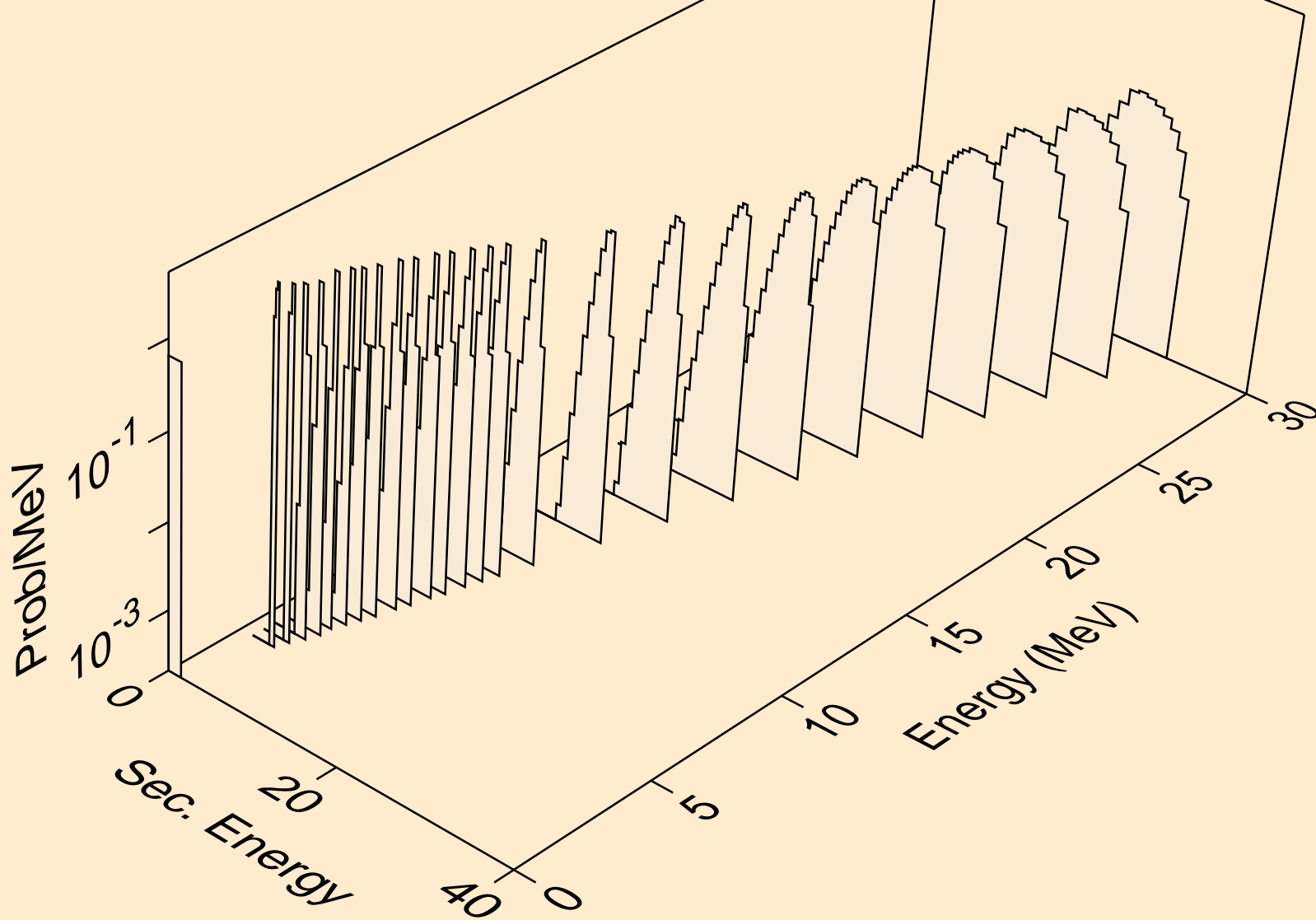




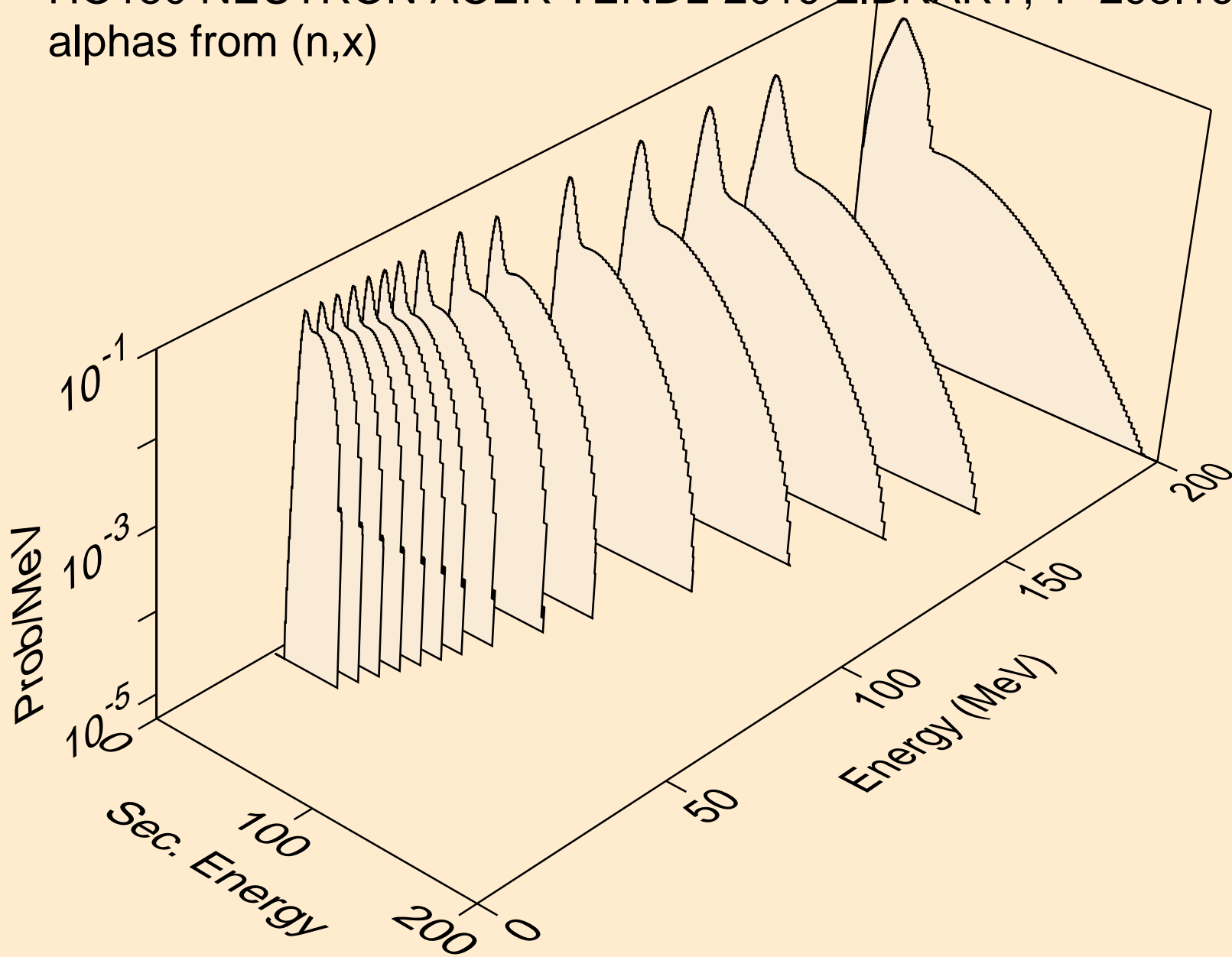
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



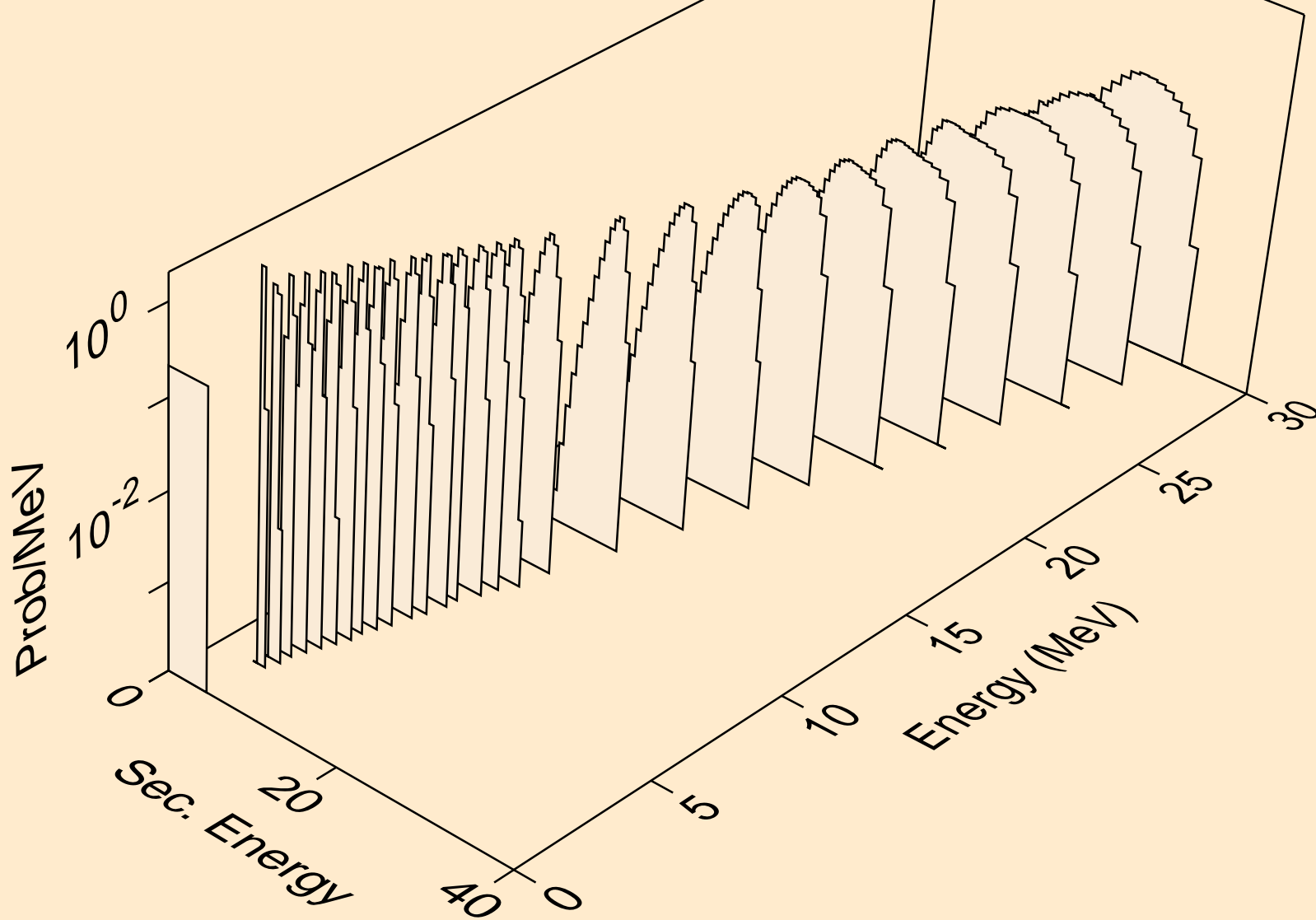
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he3s from (n,he3)



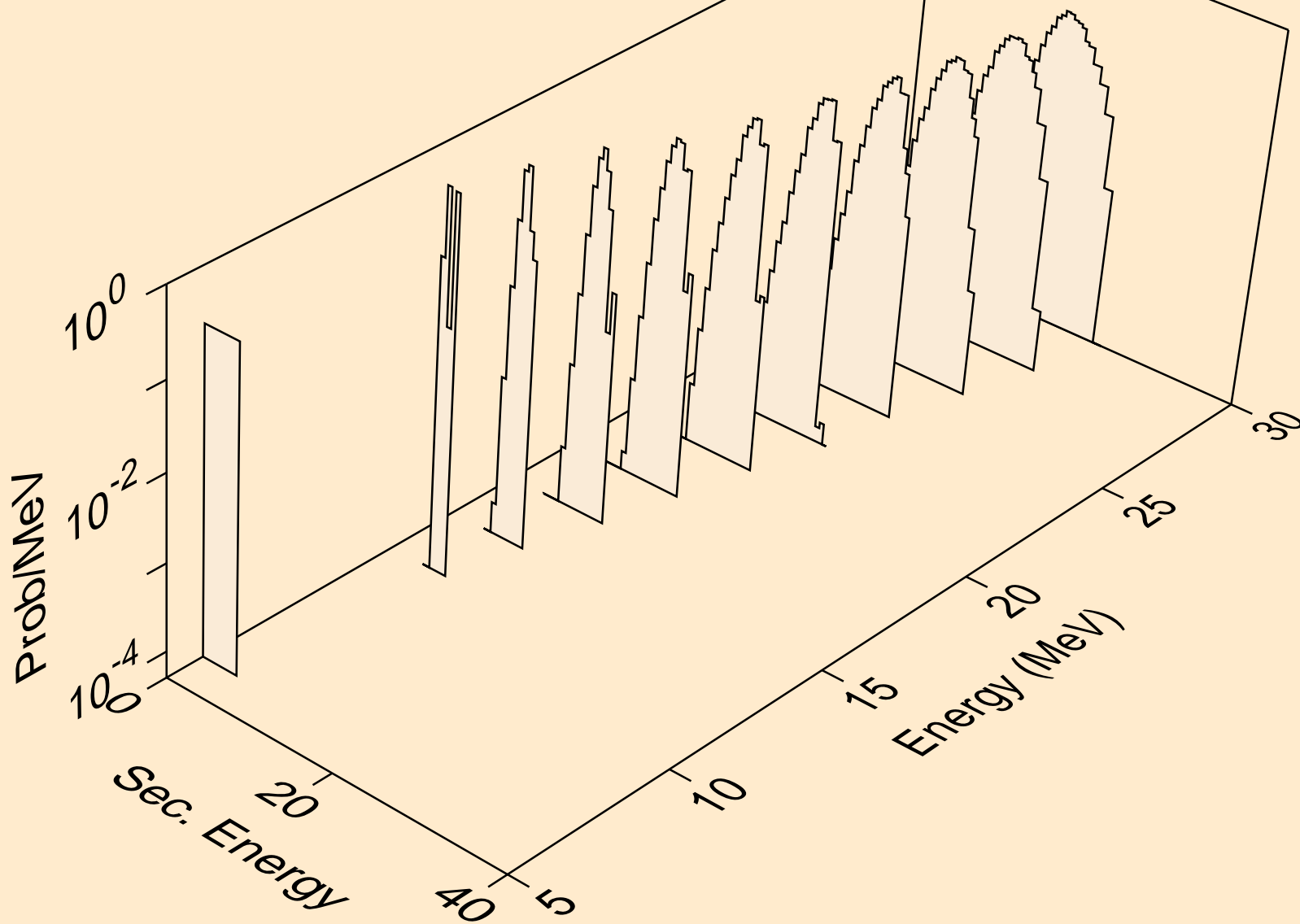
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



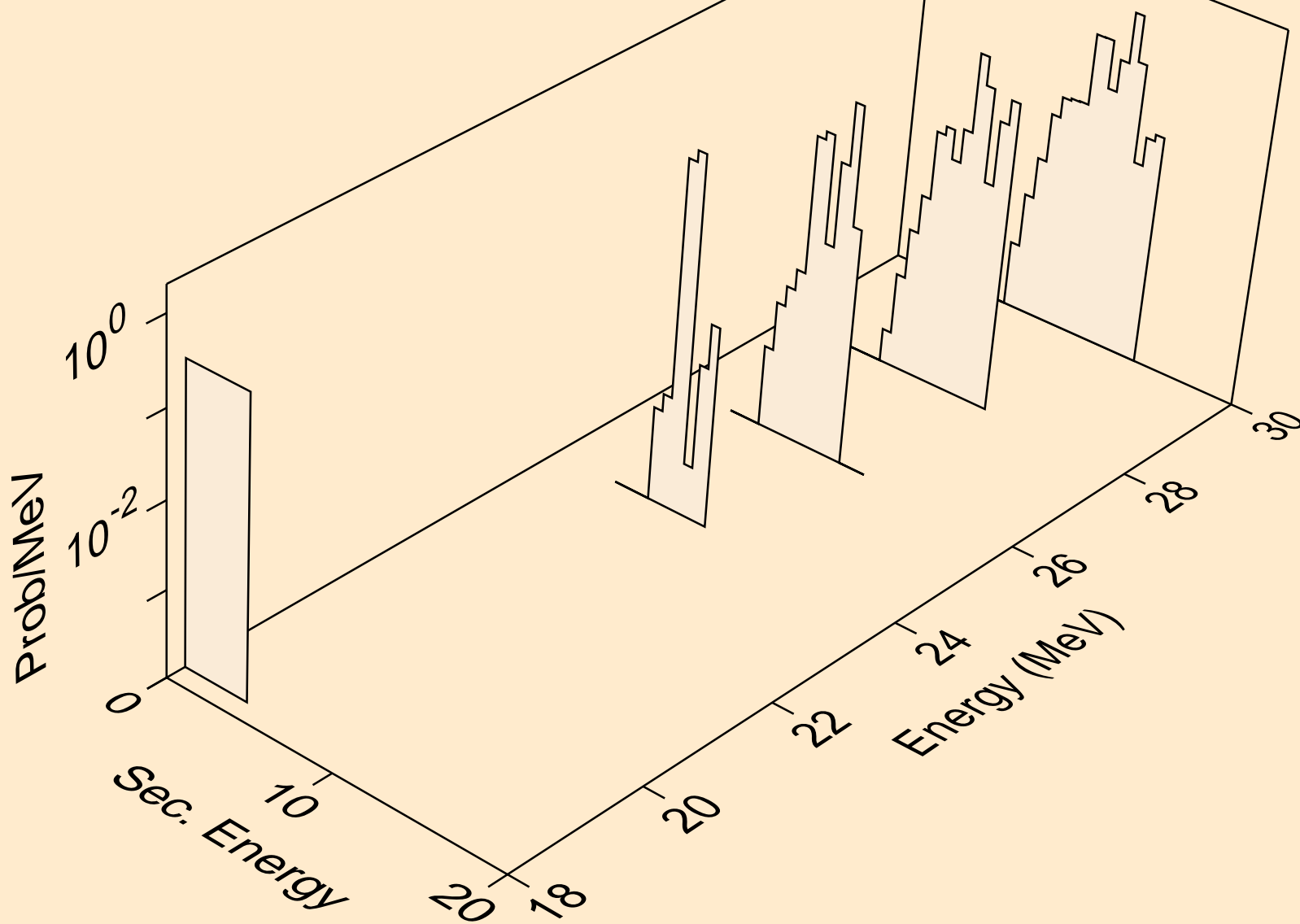
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



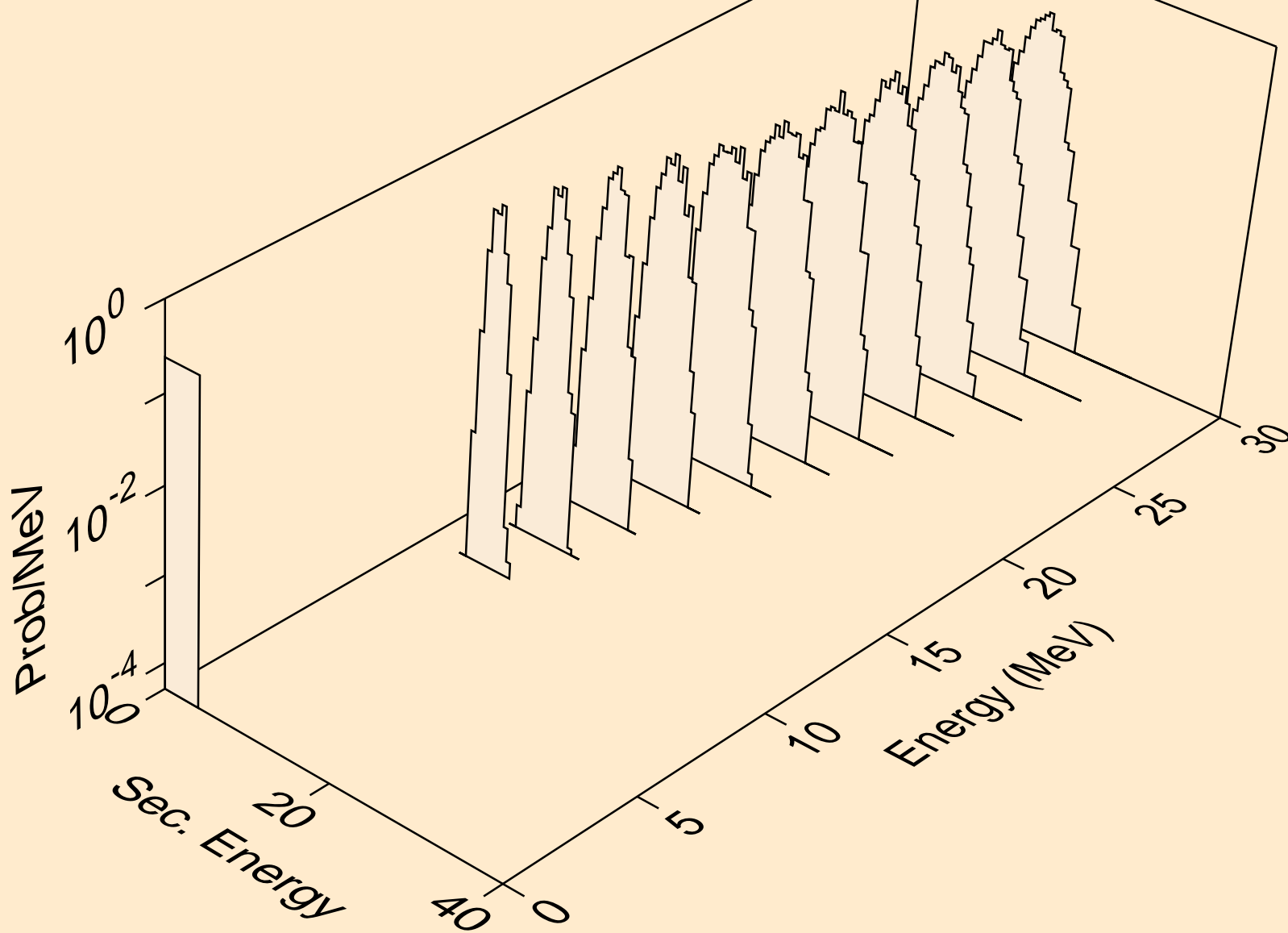
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



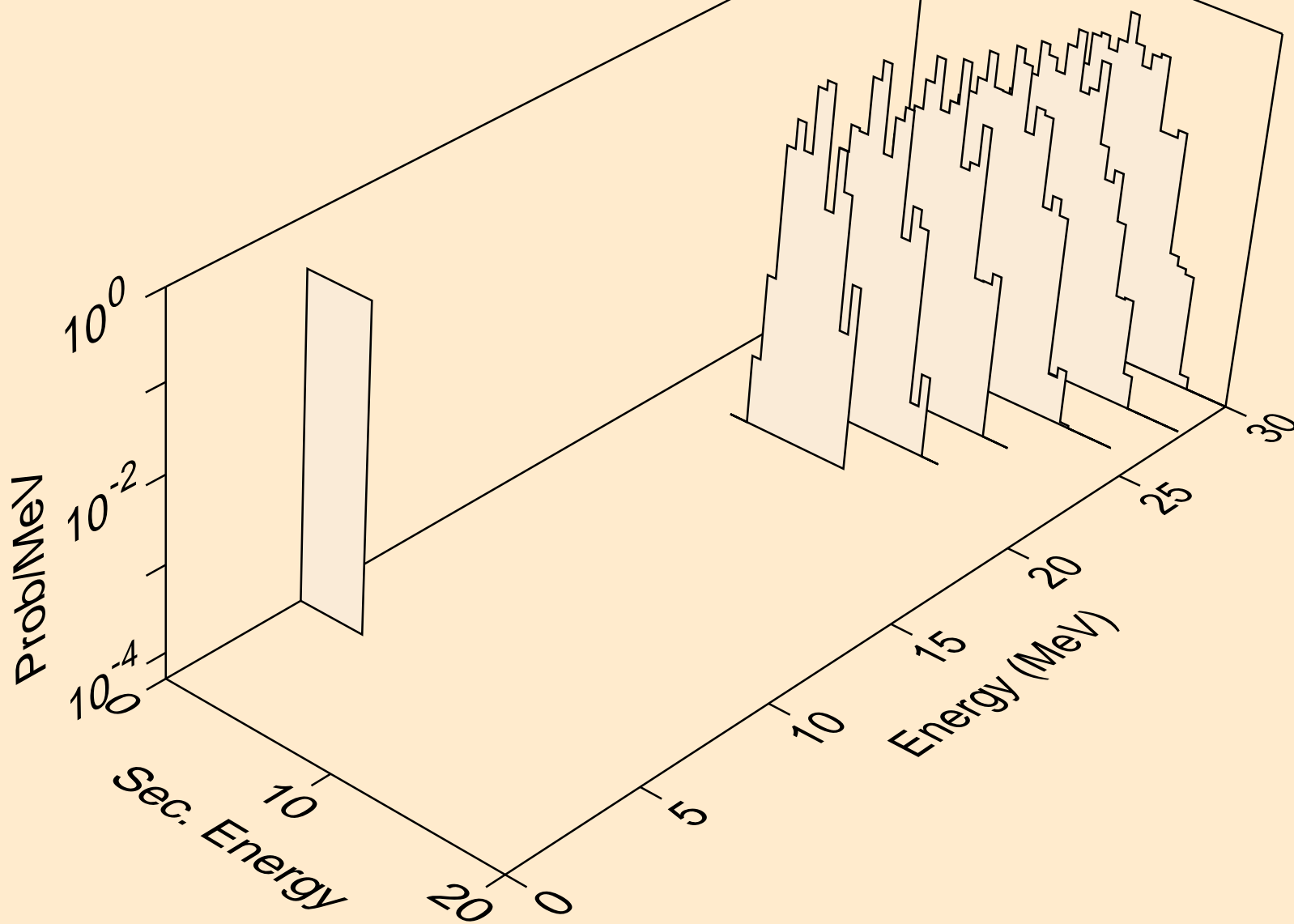
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

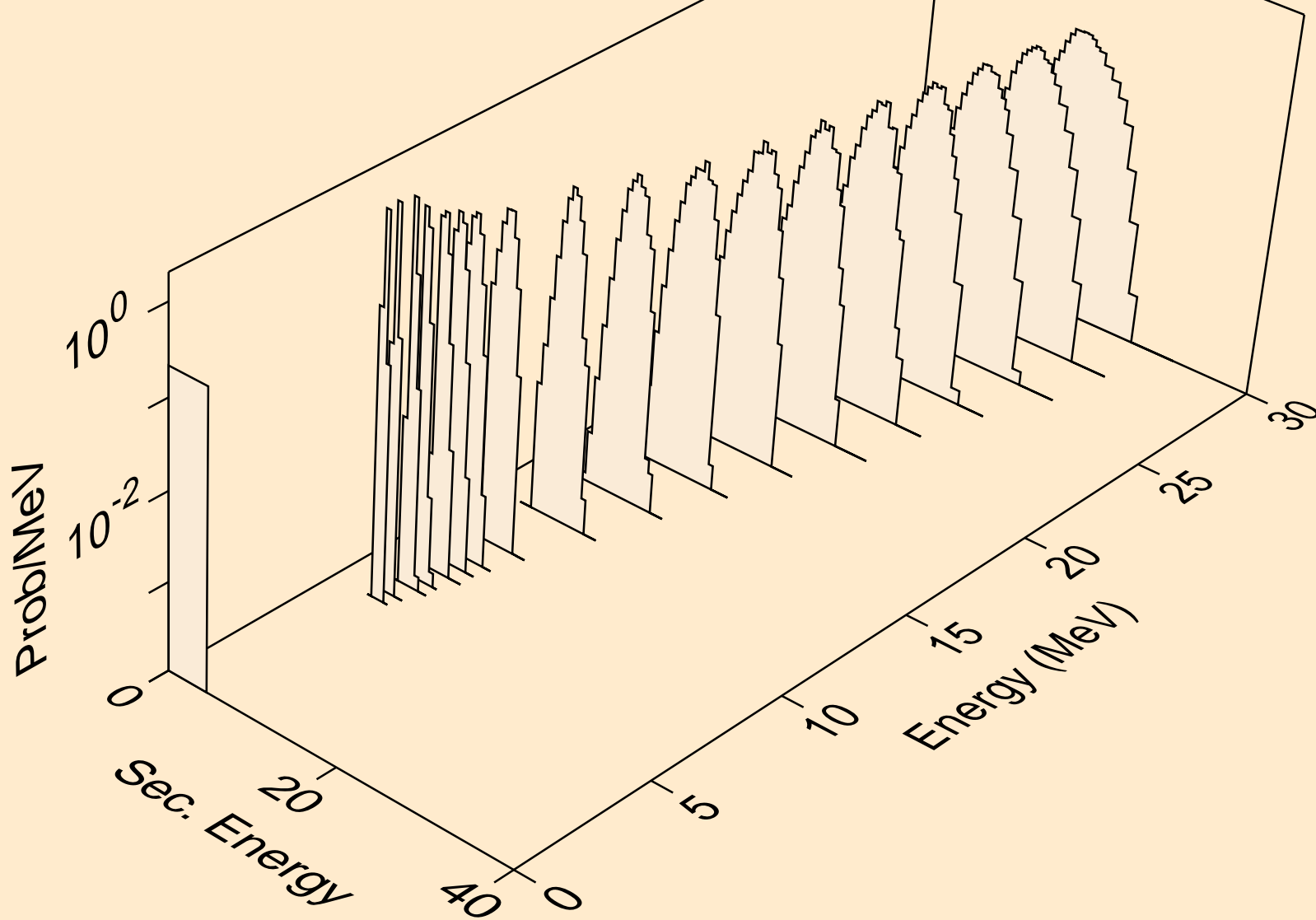


HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a

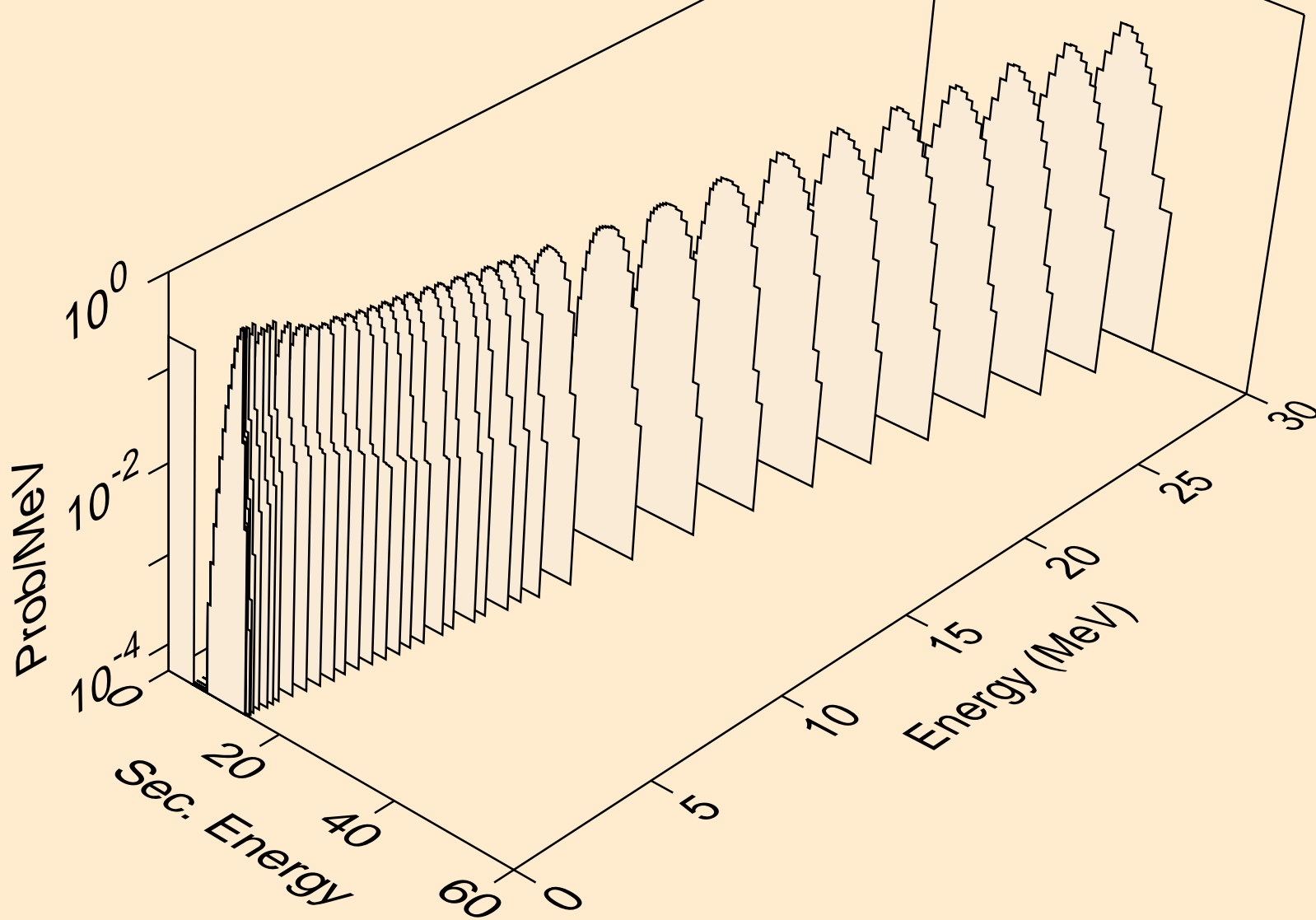




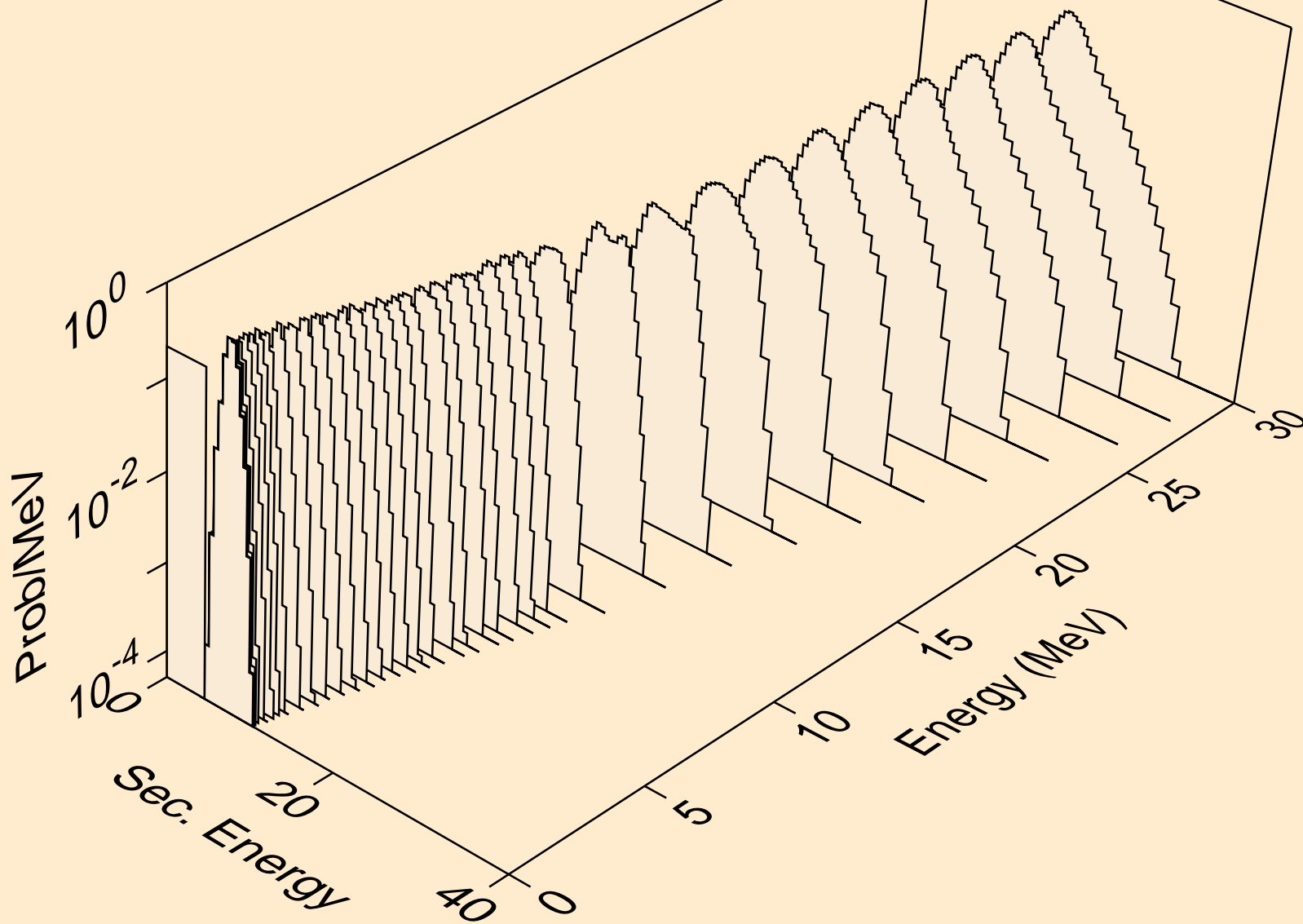
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



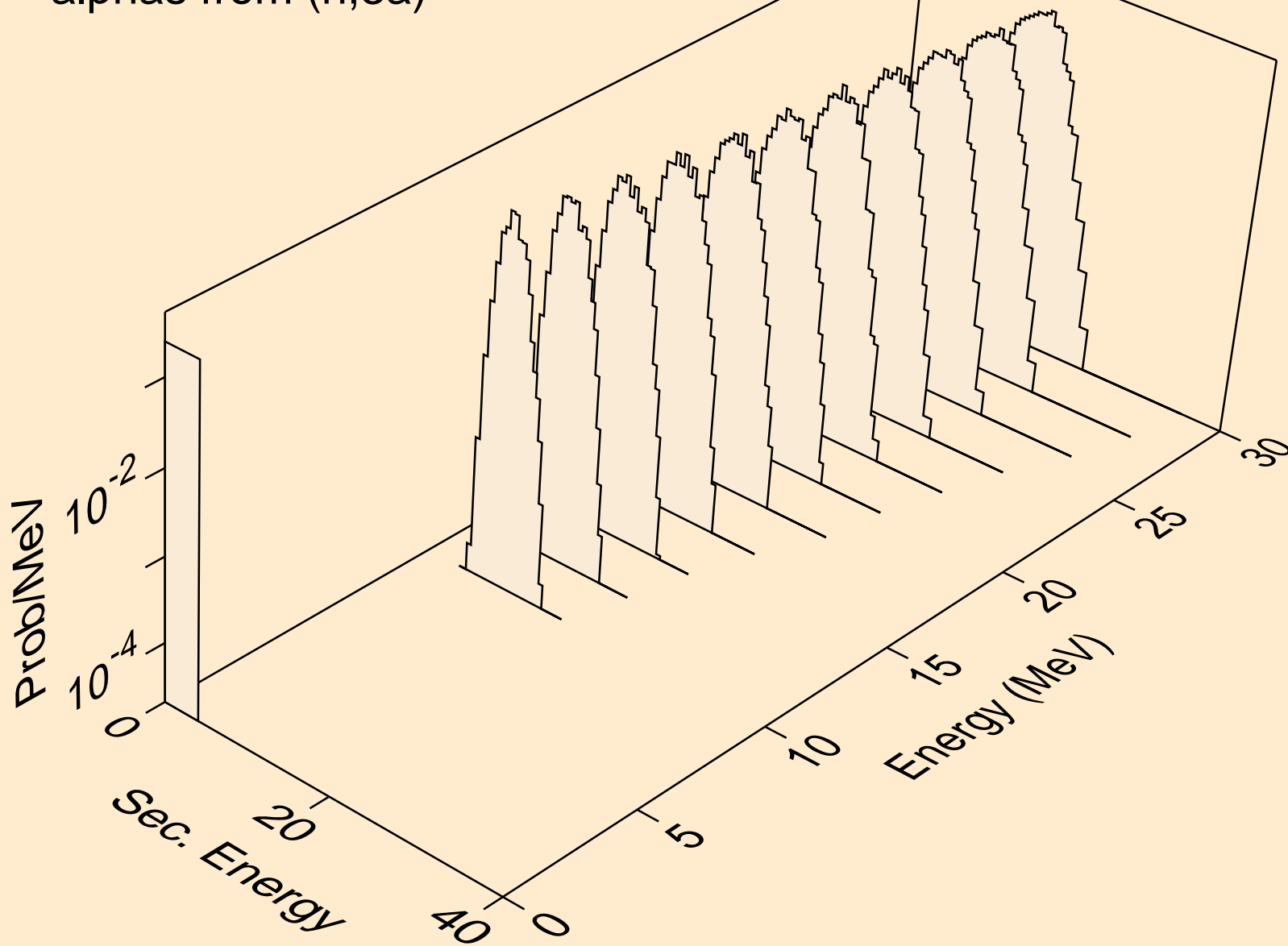
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



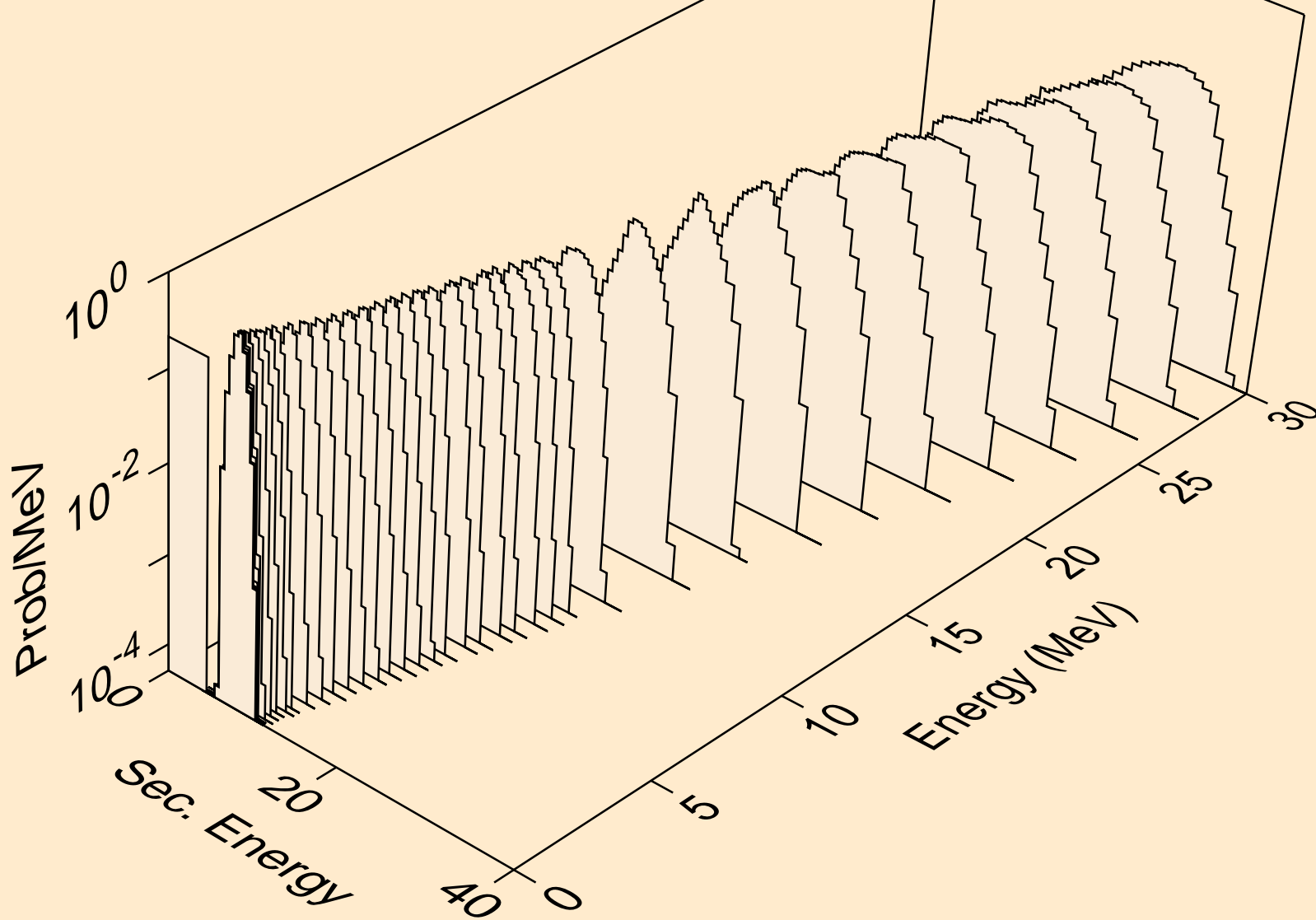
HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



HO150 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

