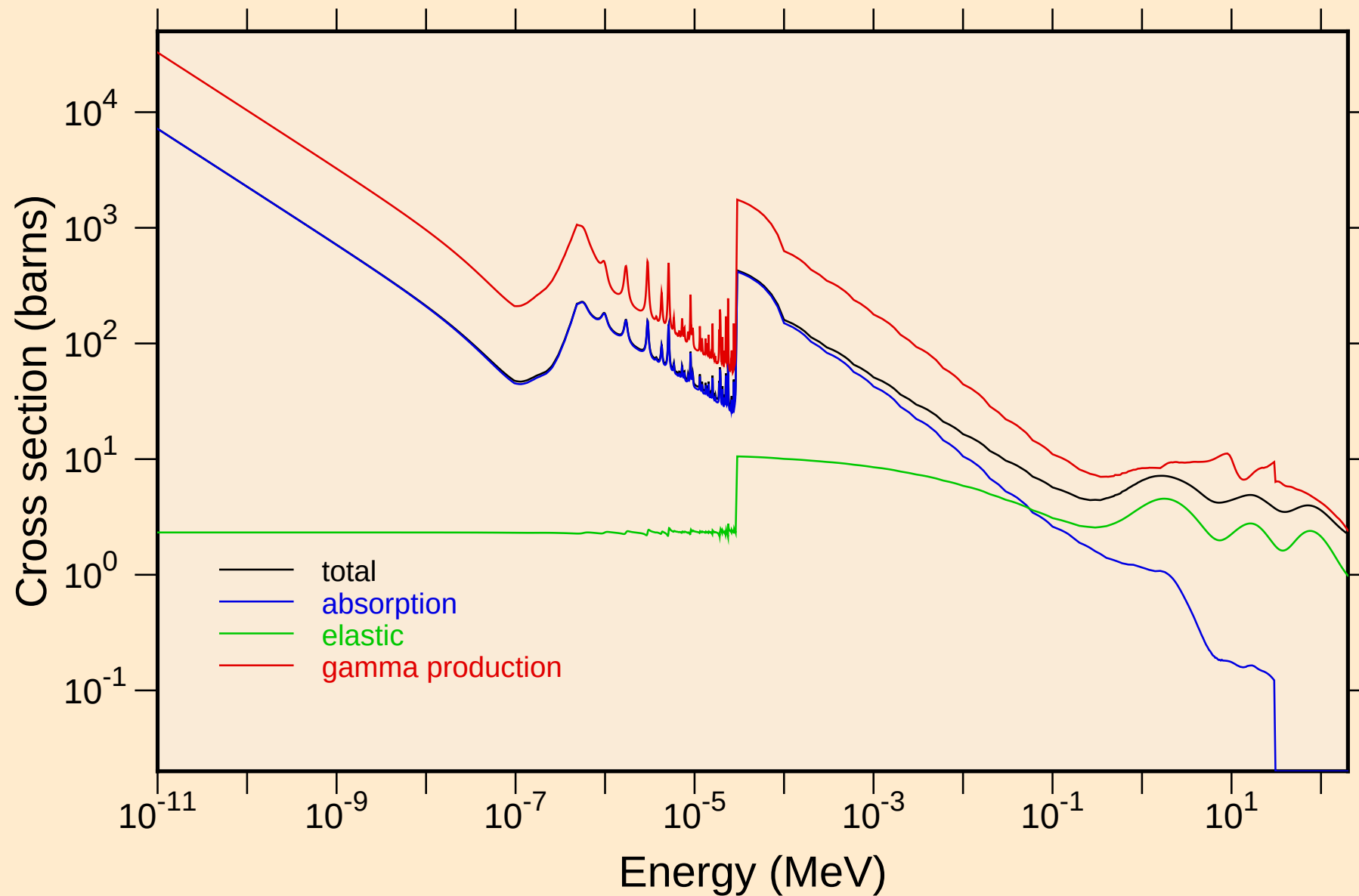
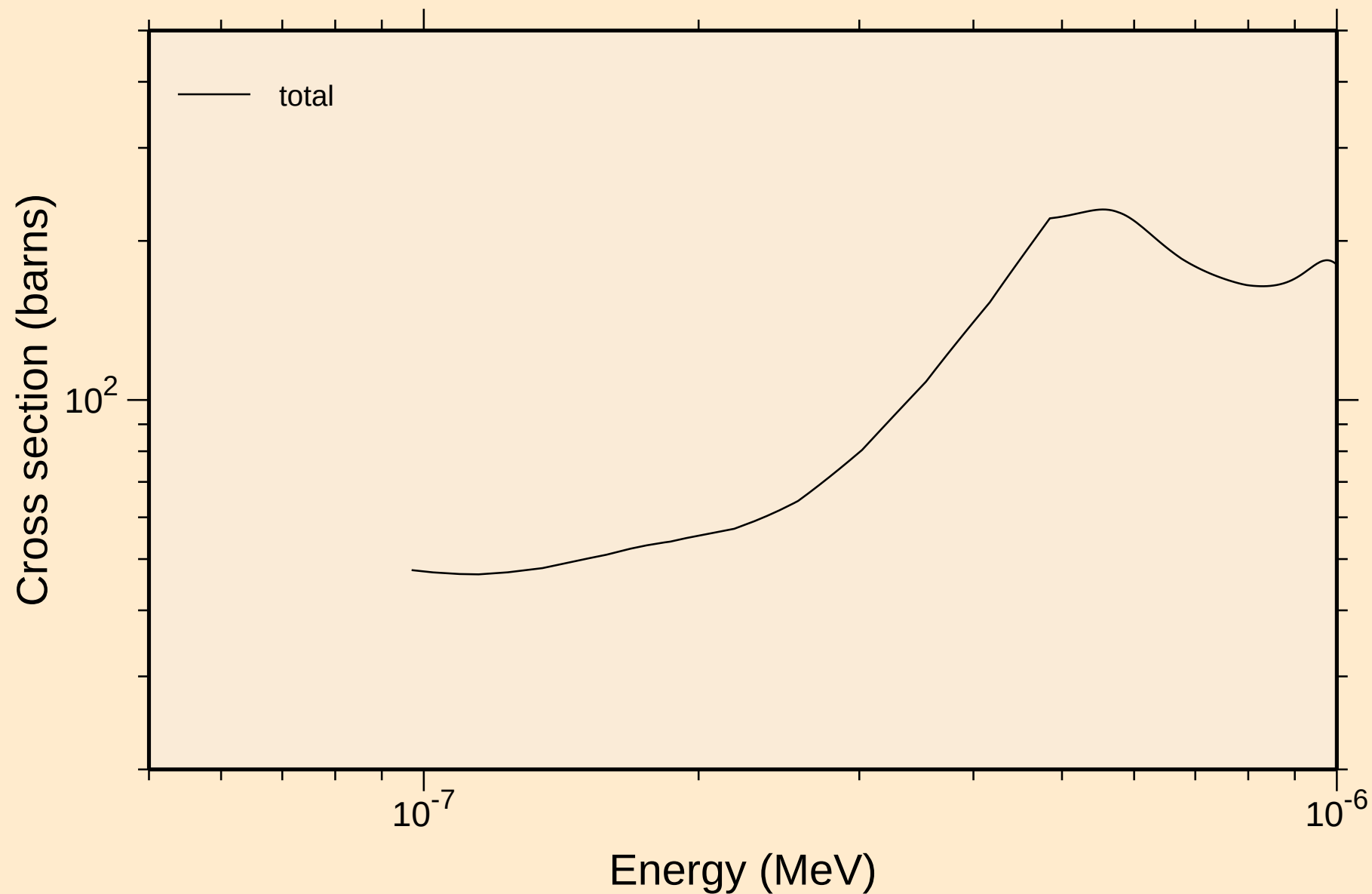


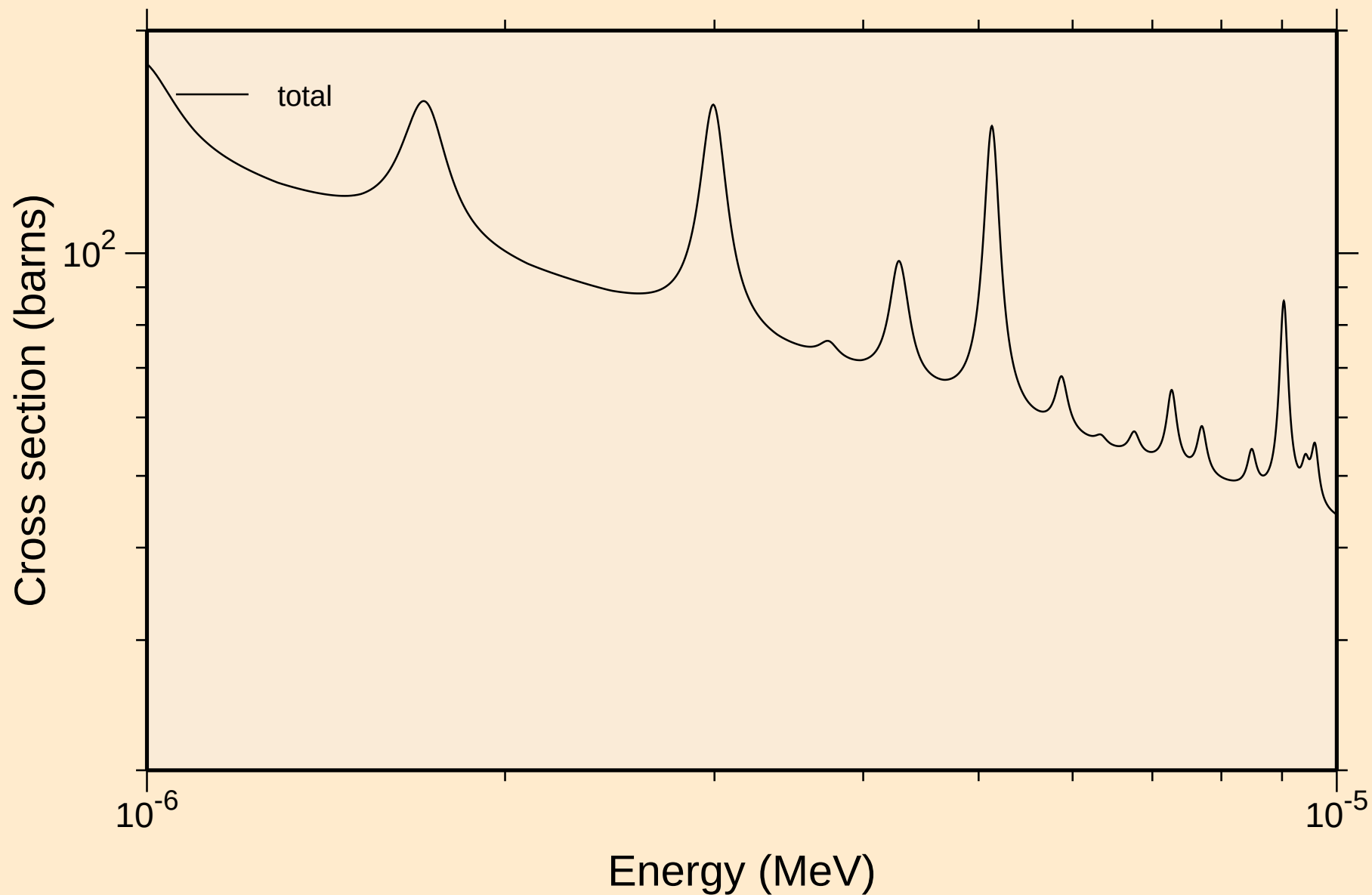
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



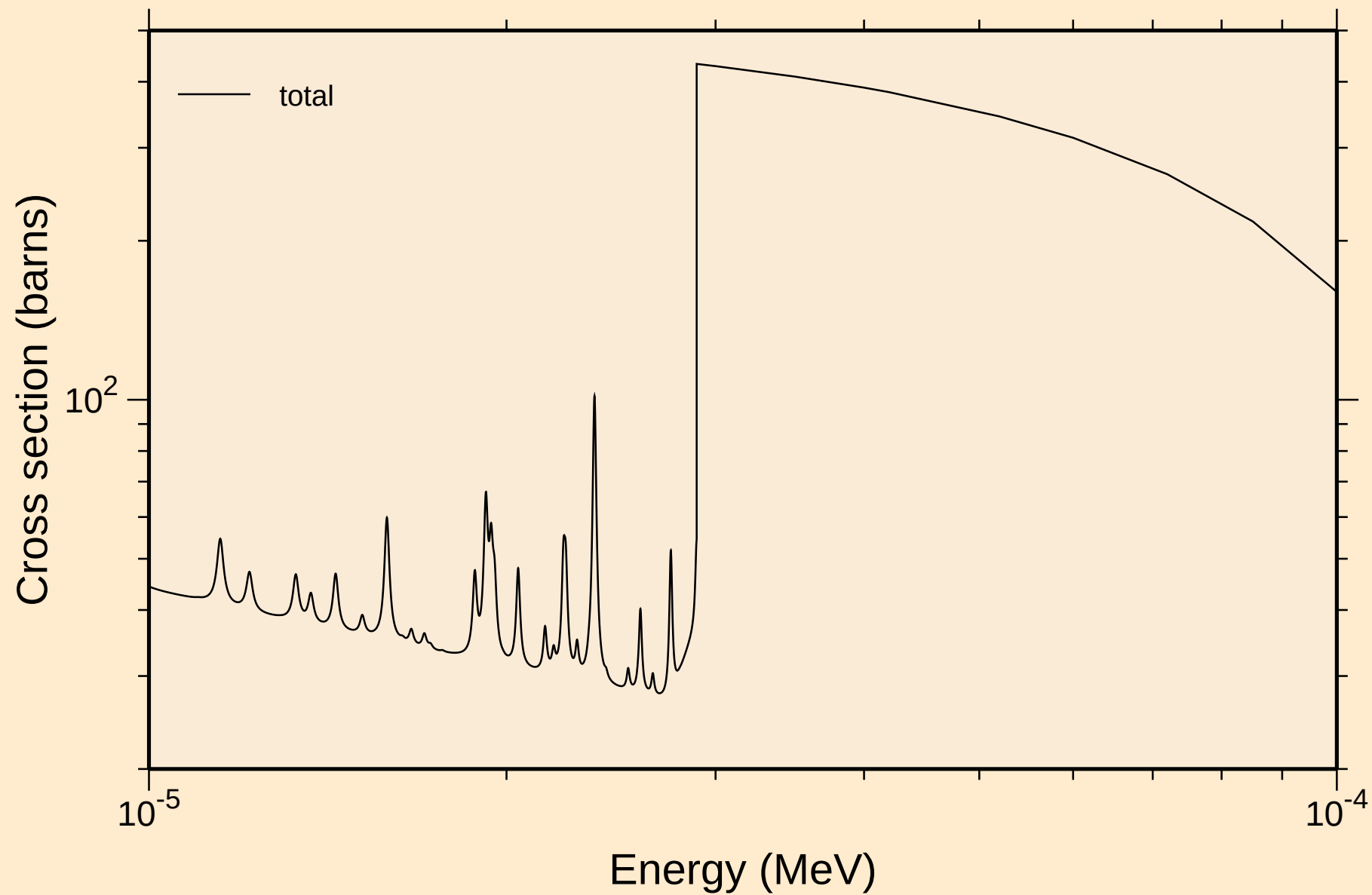
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



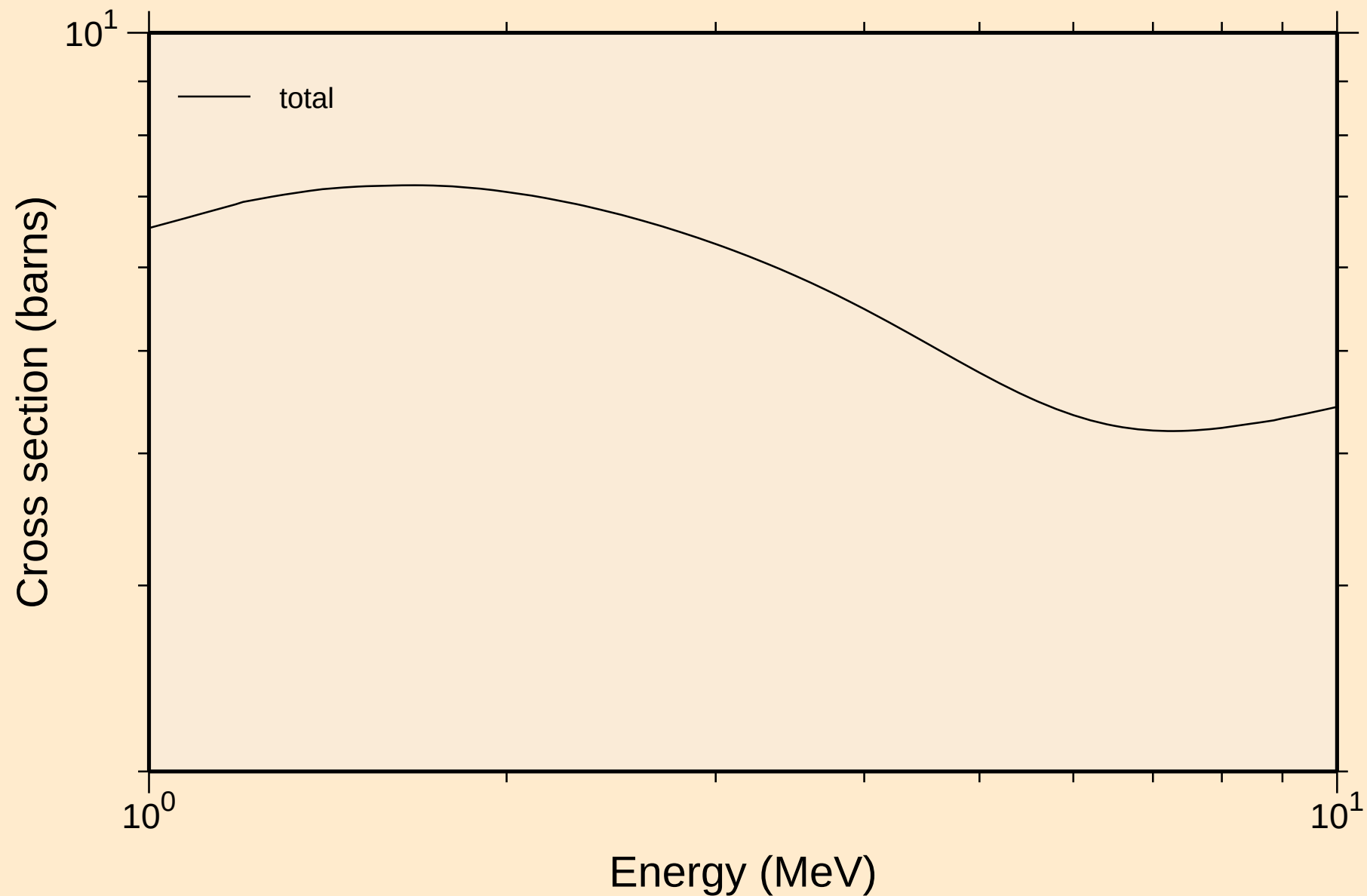
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resonance total cross section



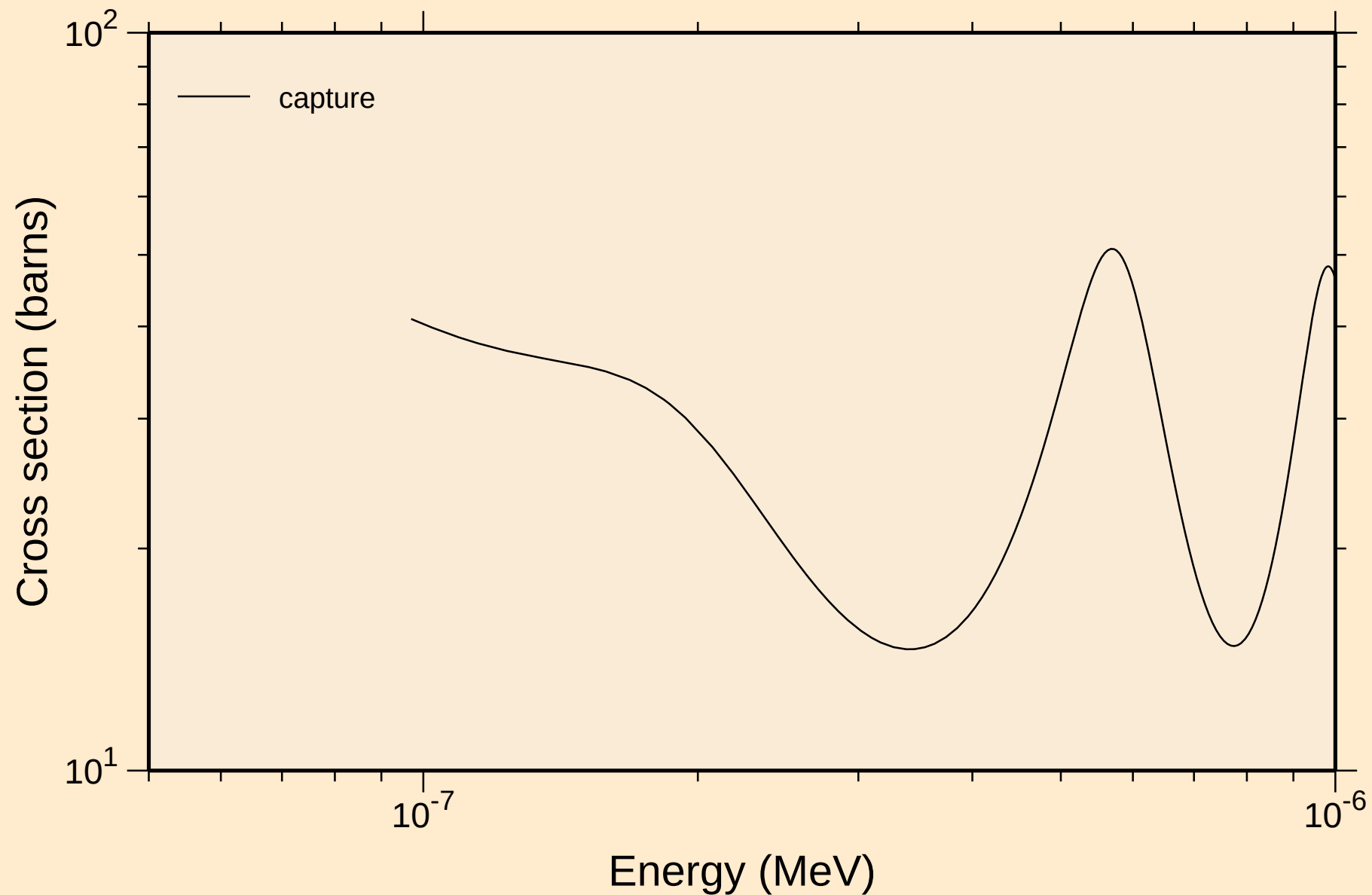
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resonance total cross section



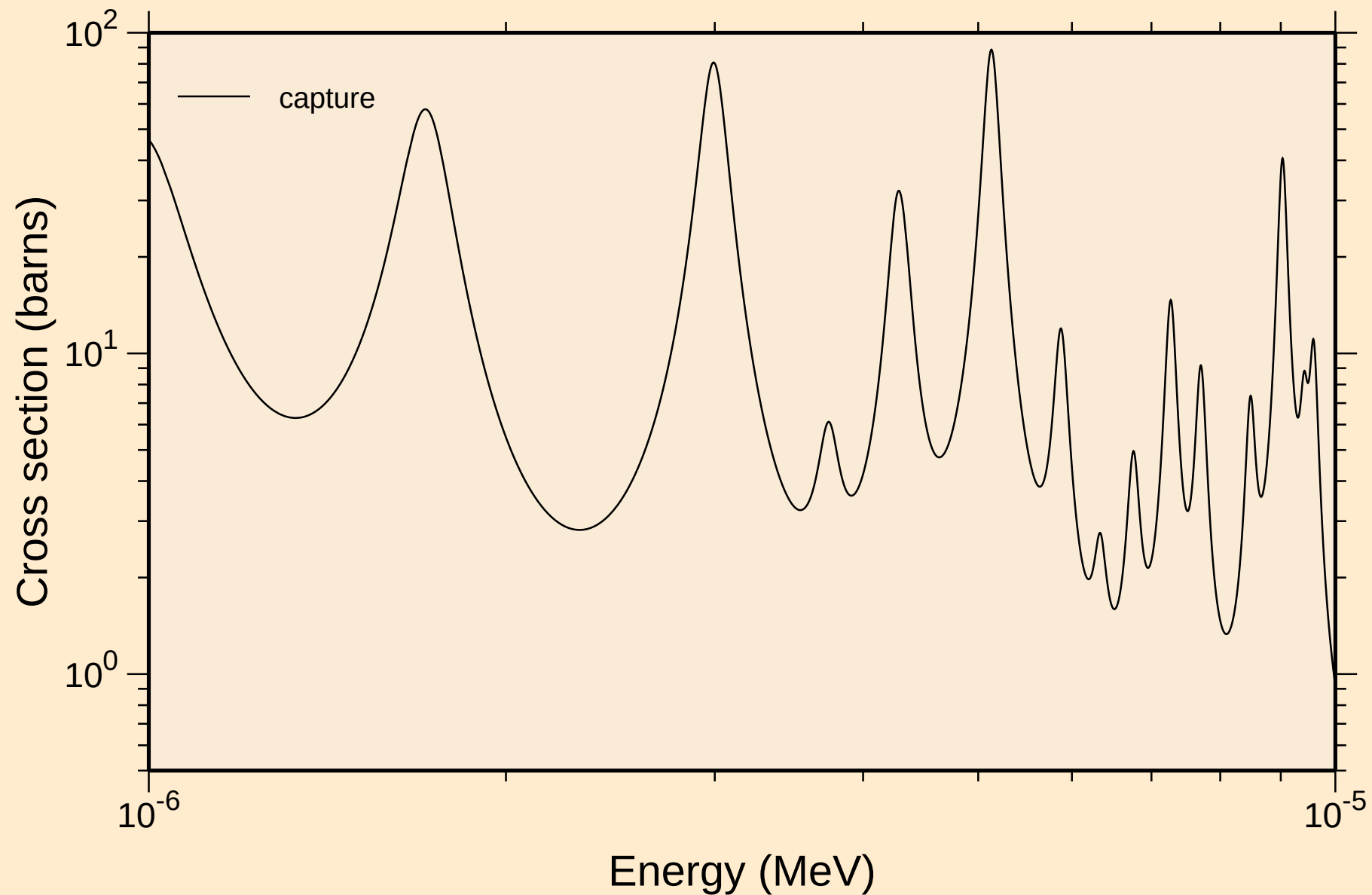
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



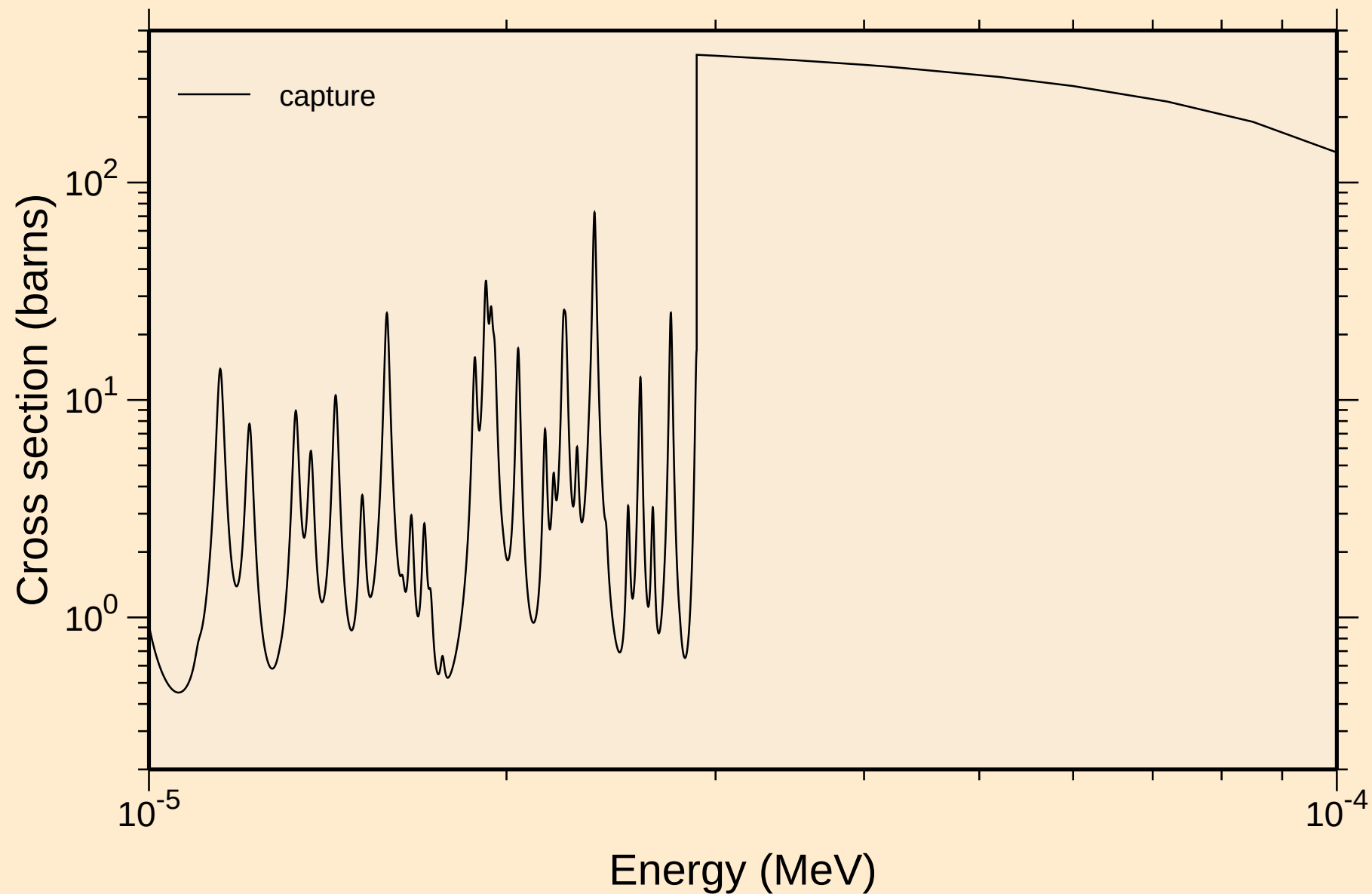
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

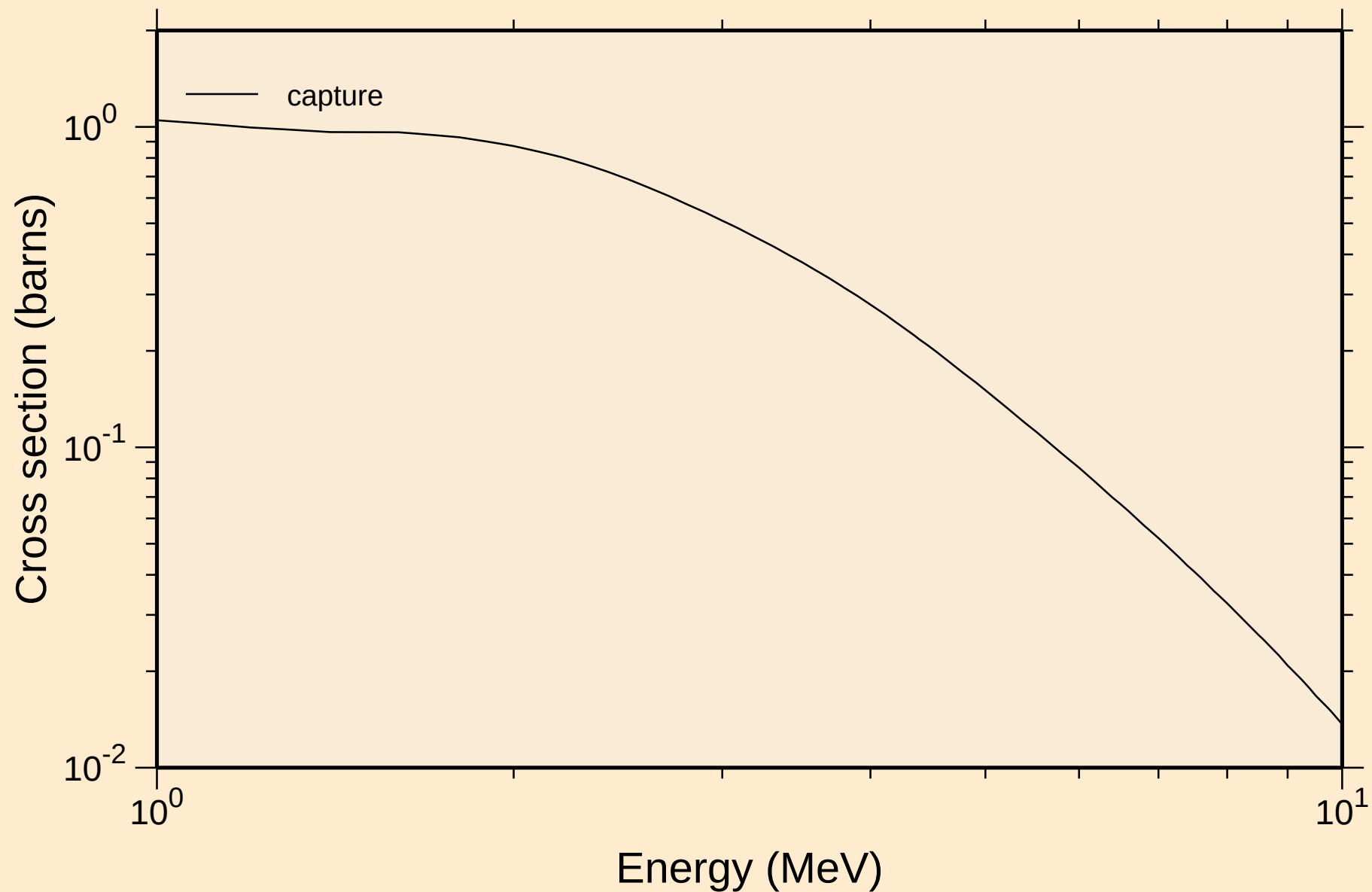


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



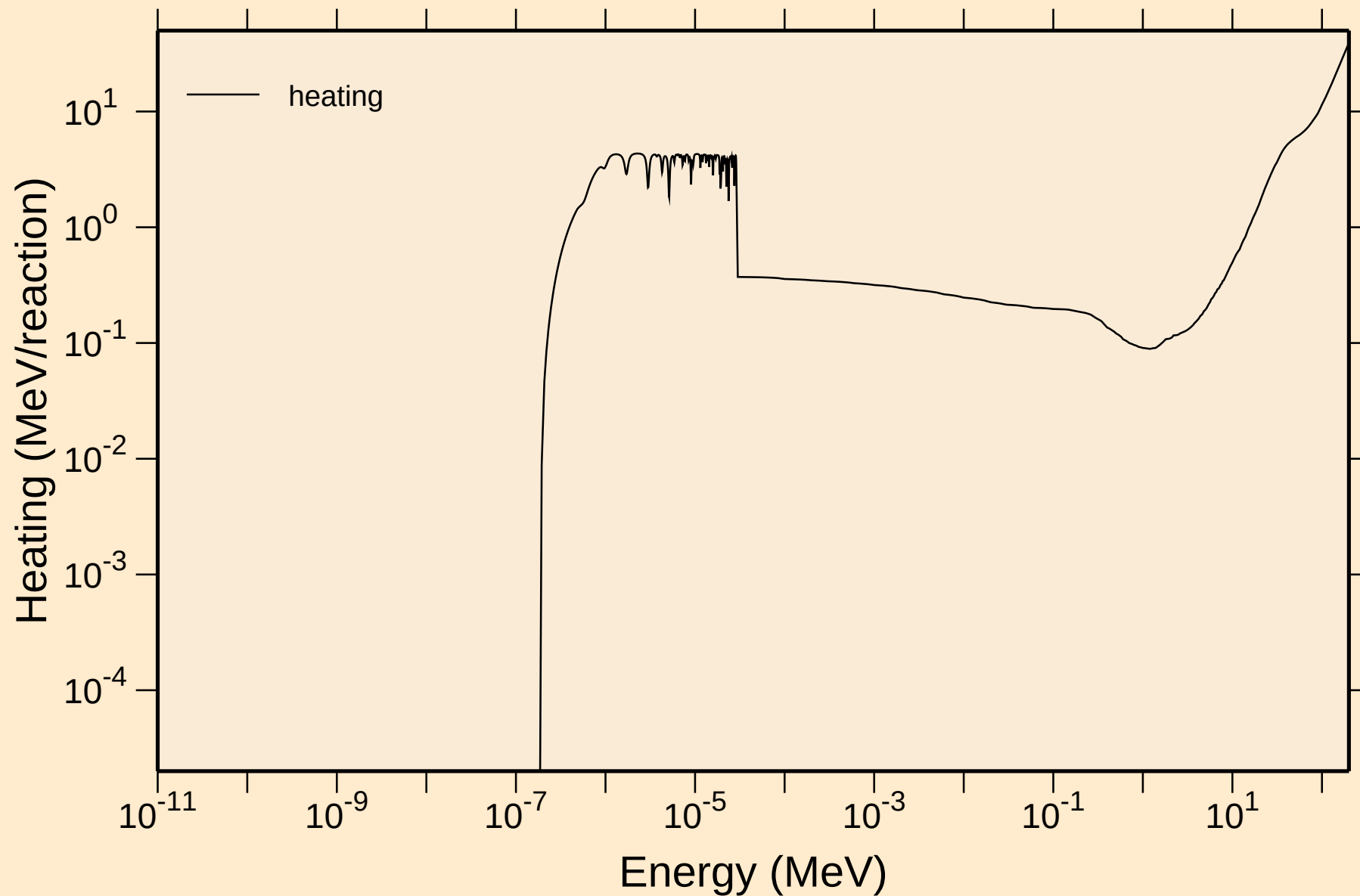


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

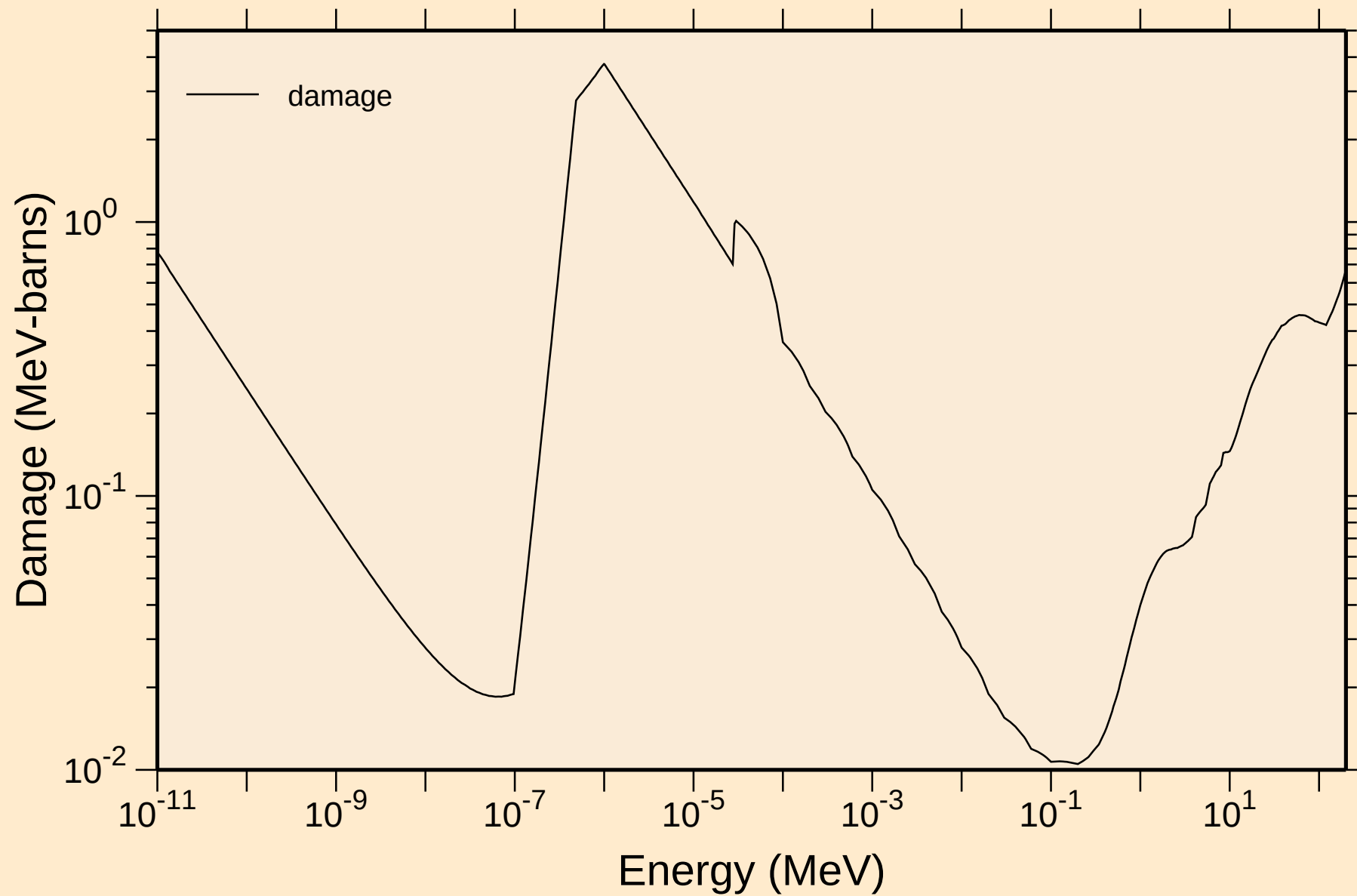


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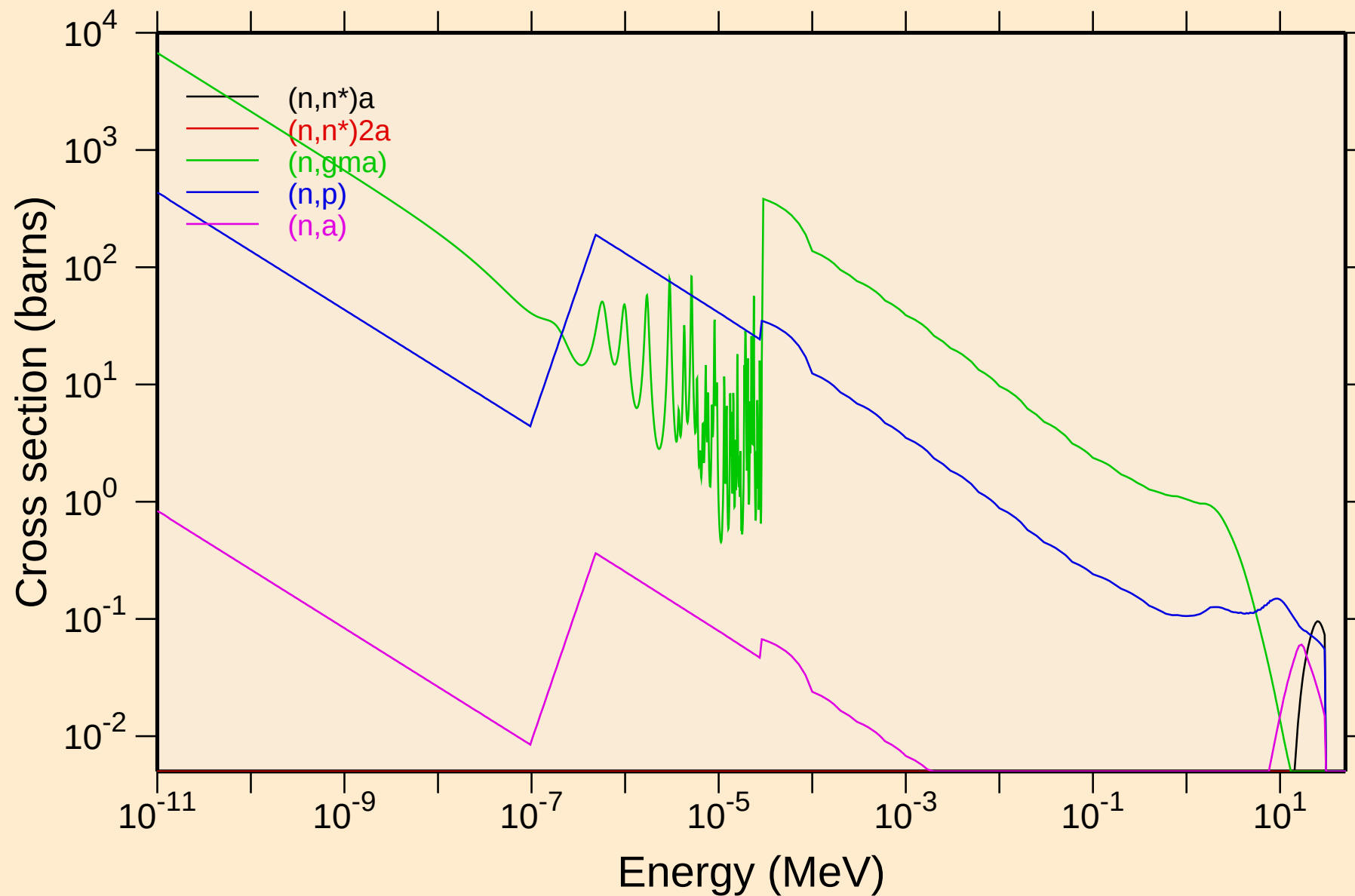
Heating



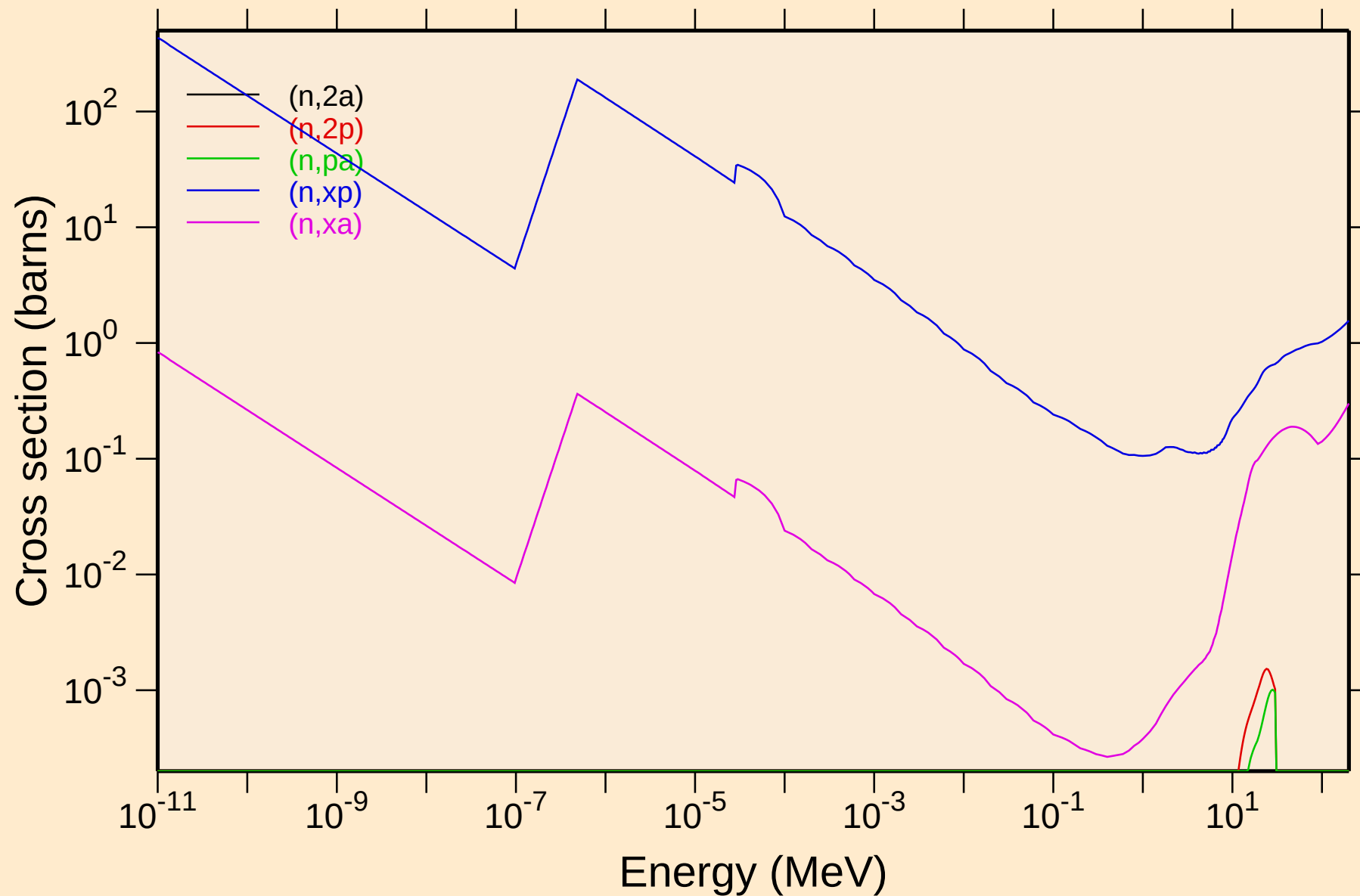
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

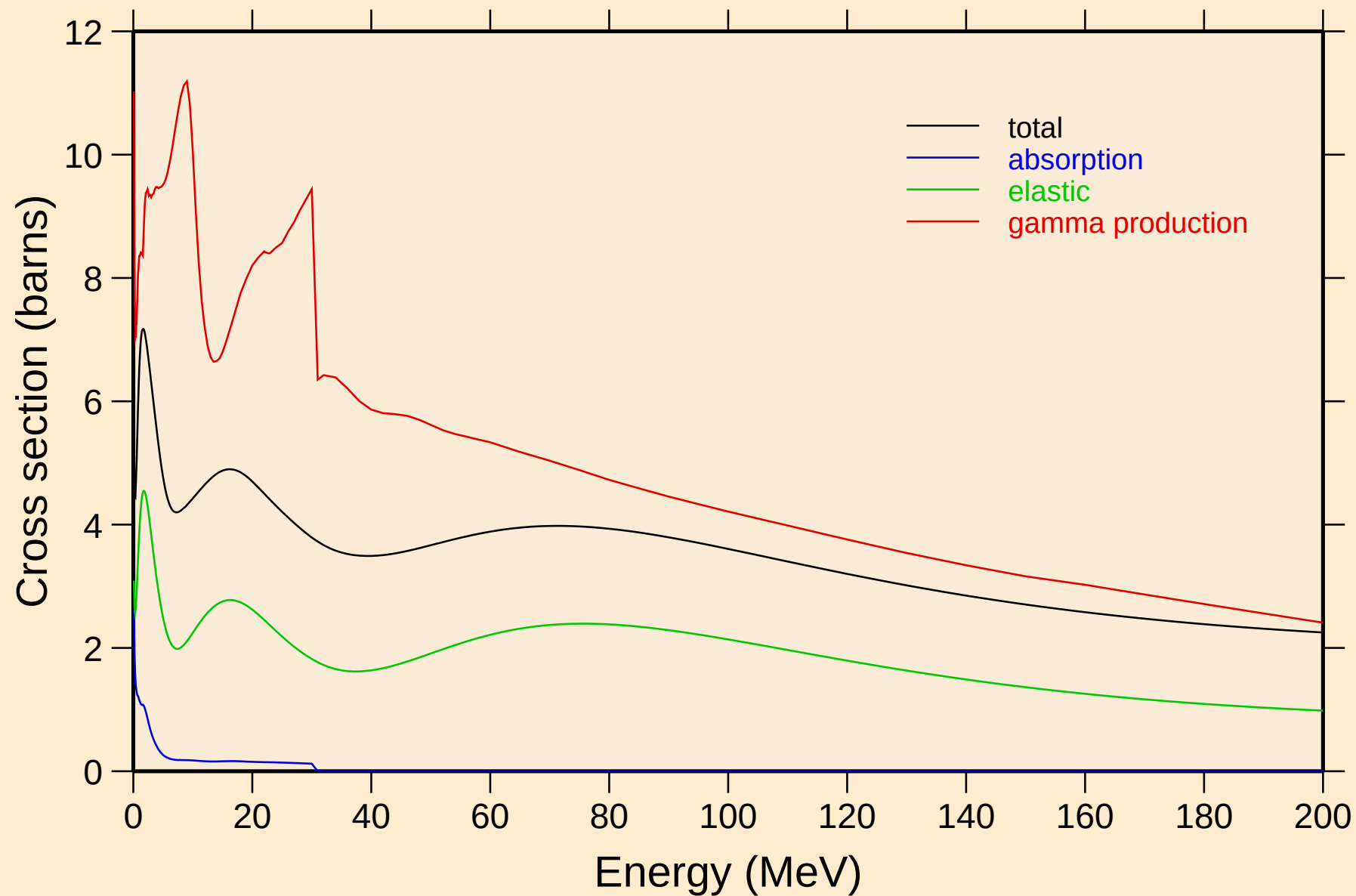


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



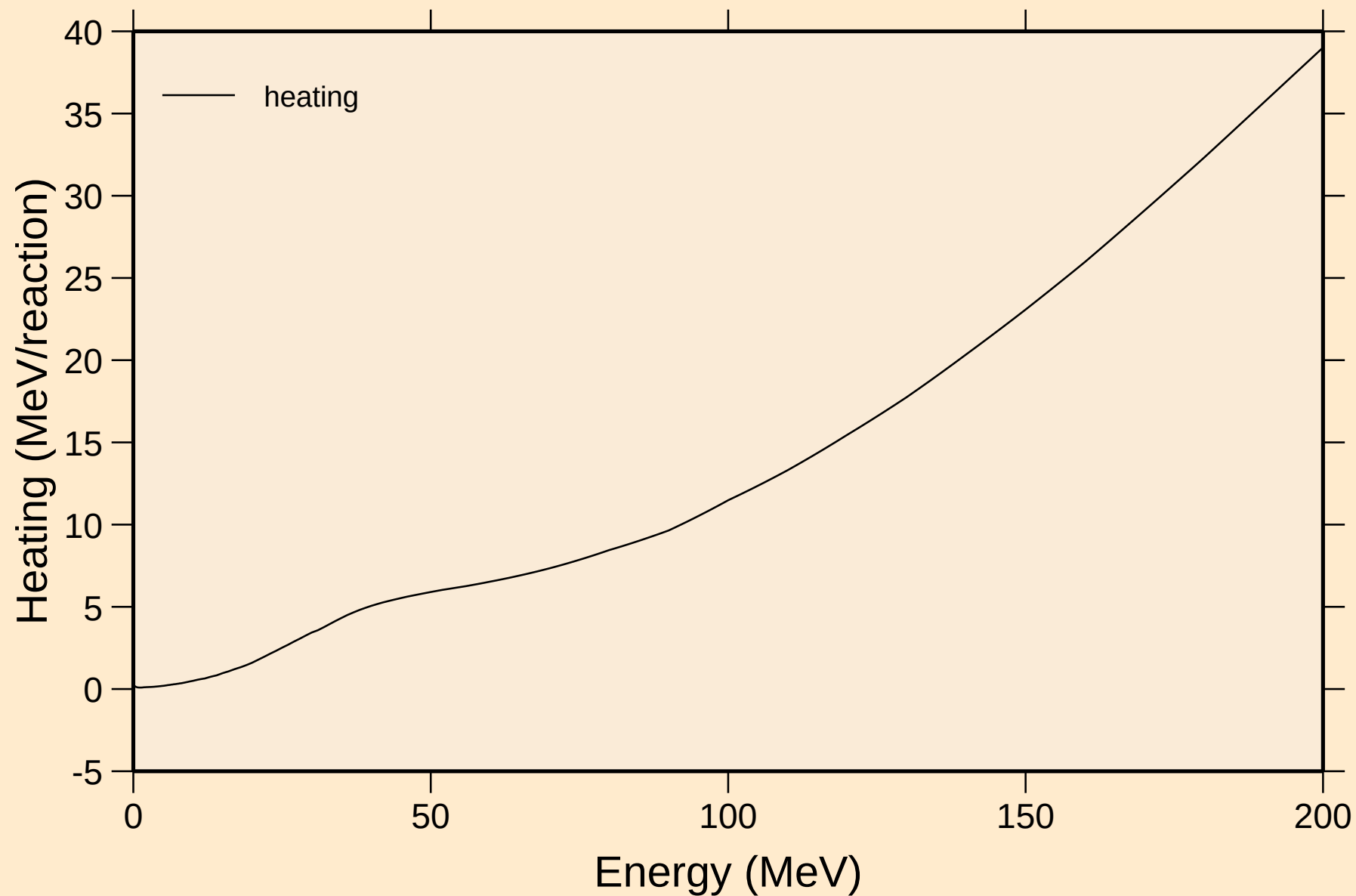
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## Principal cross sections



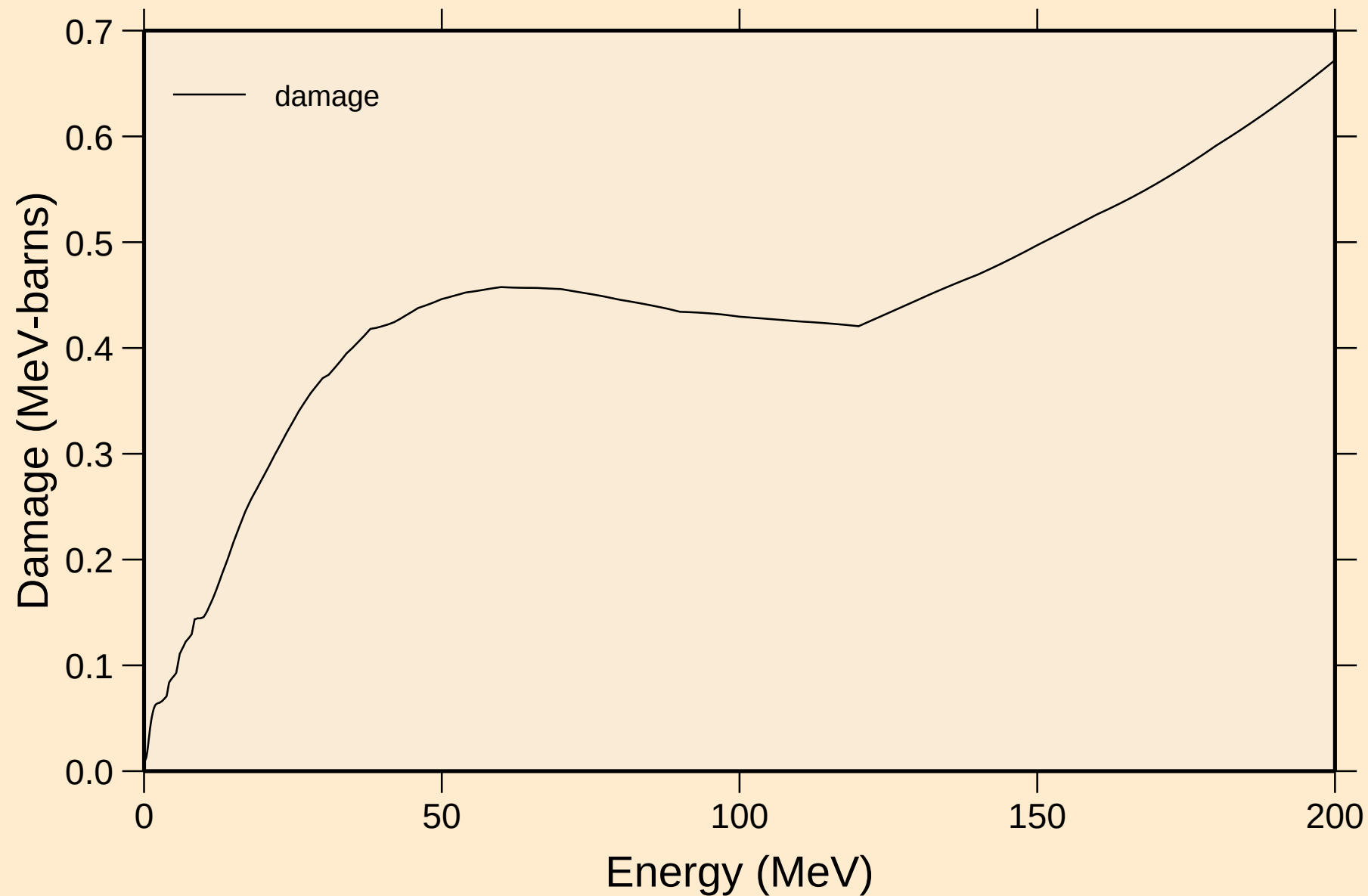
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## Heating



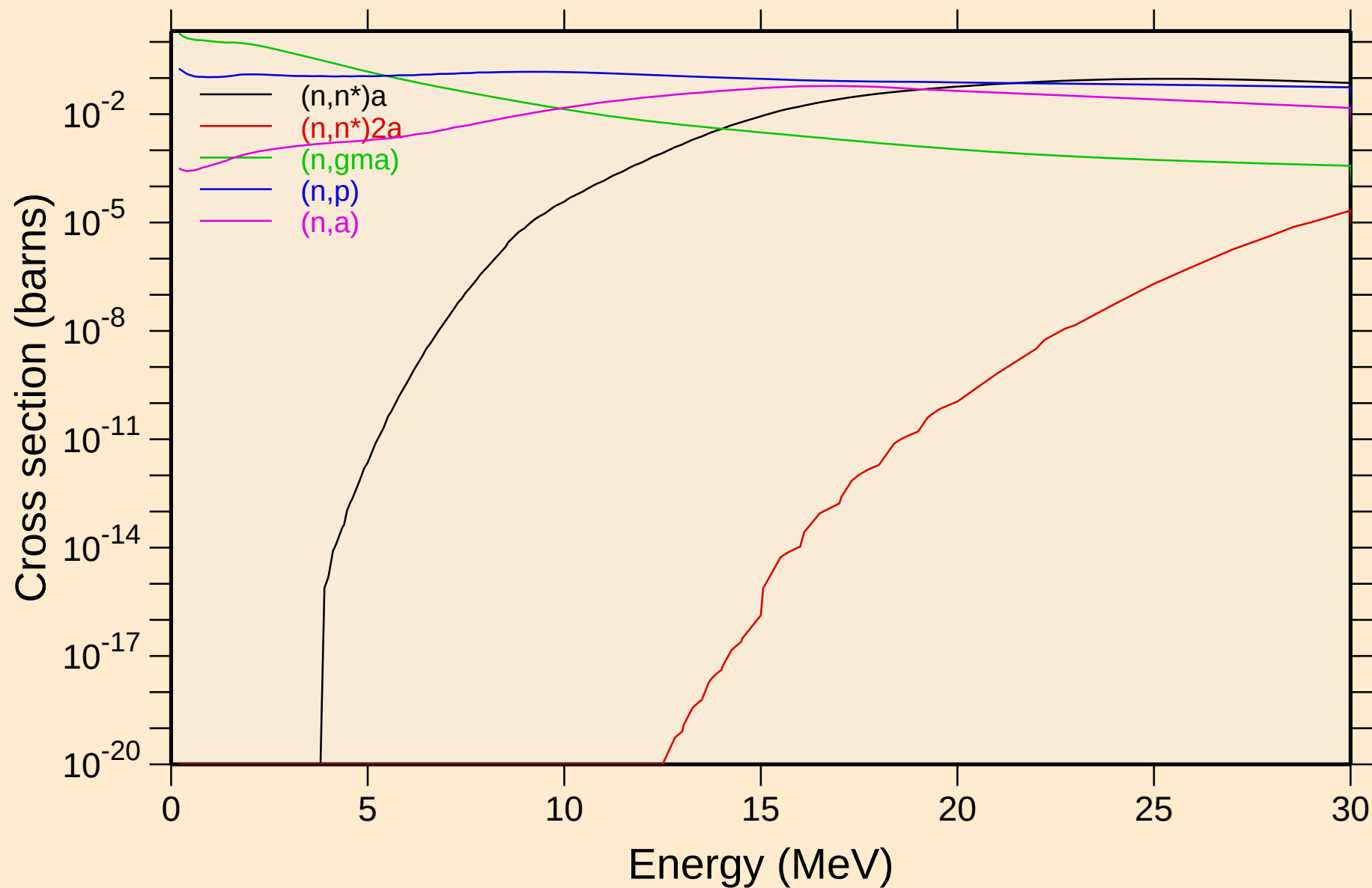
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Damage

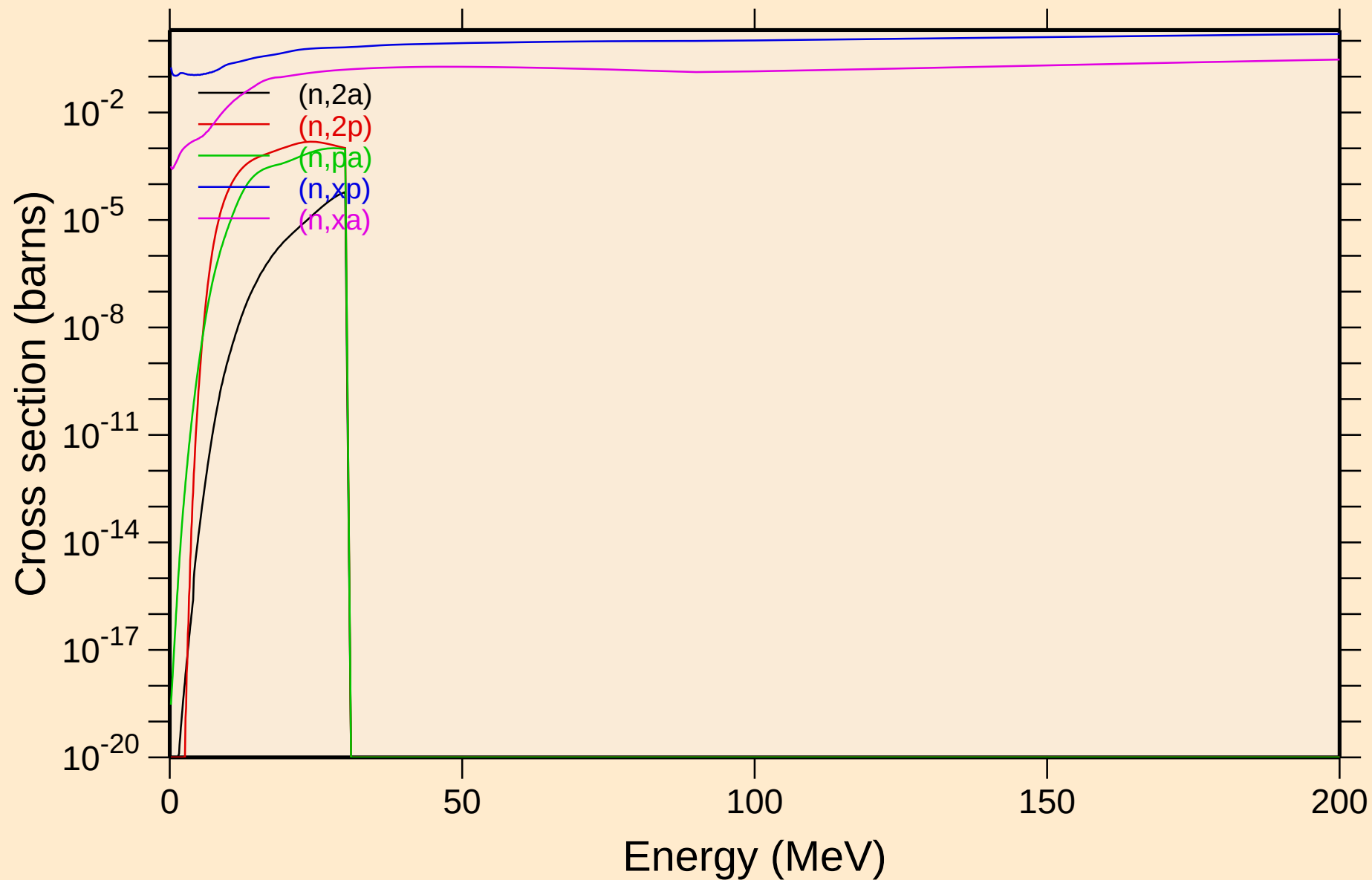




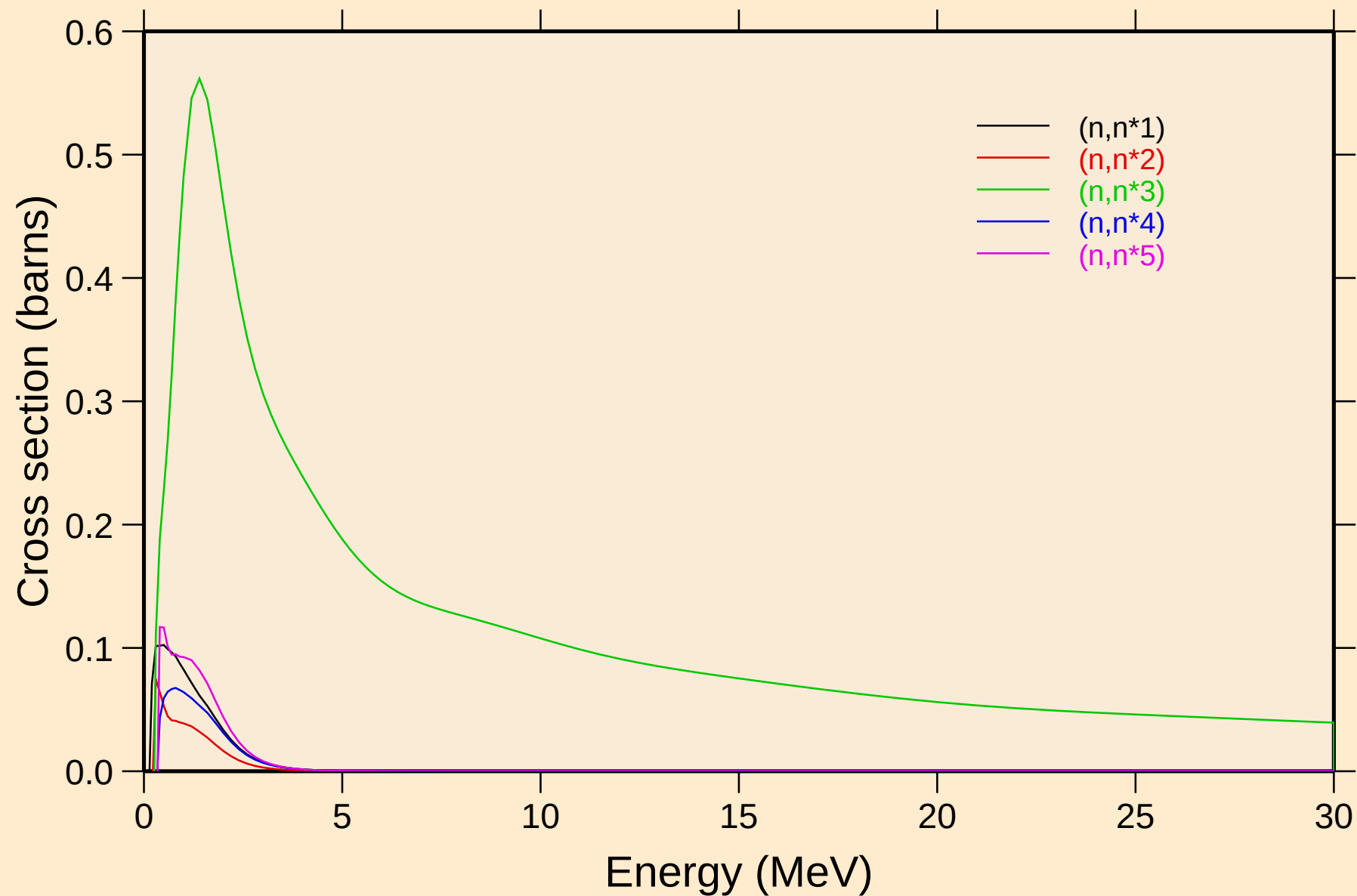
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

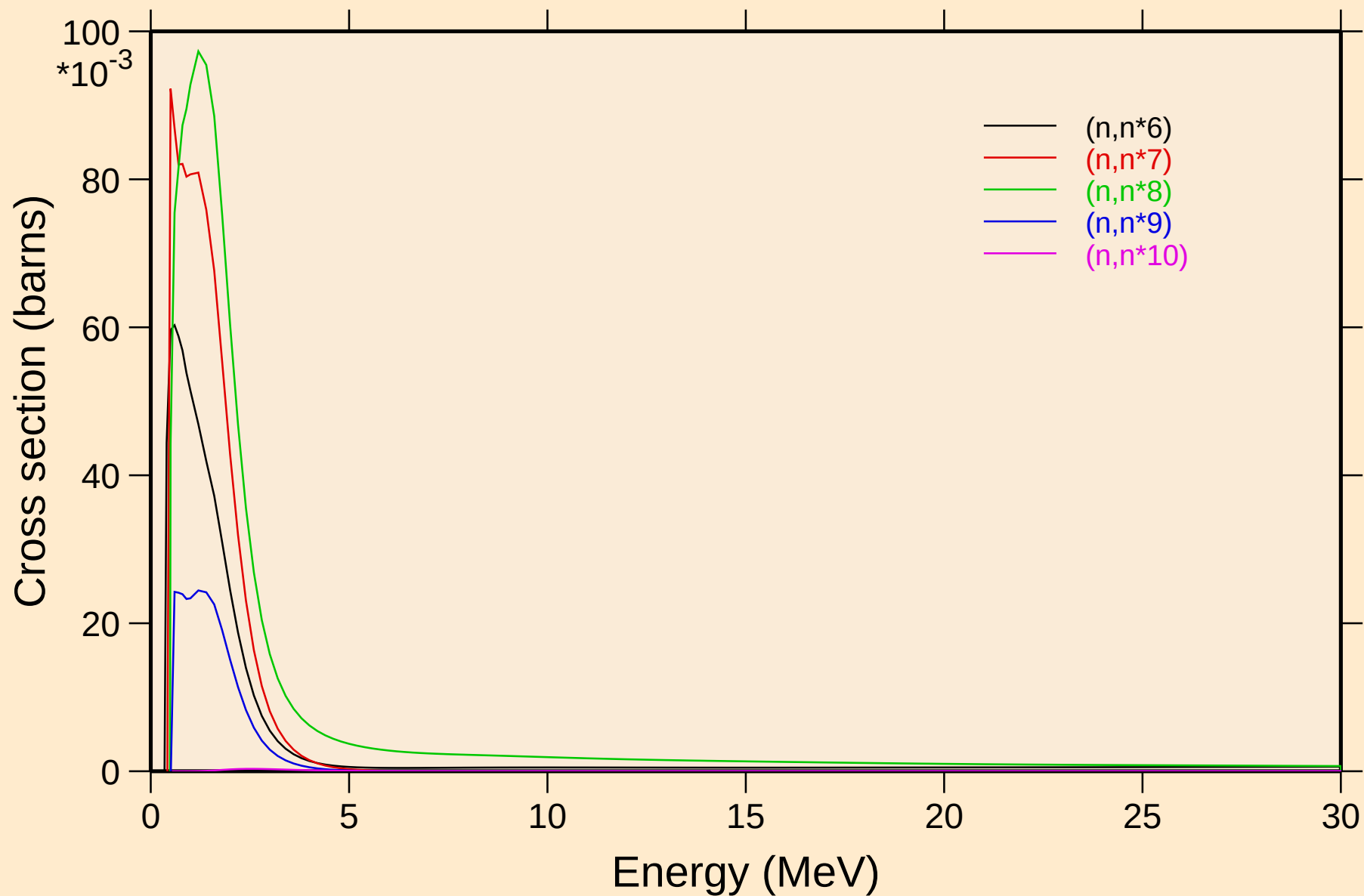


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



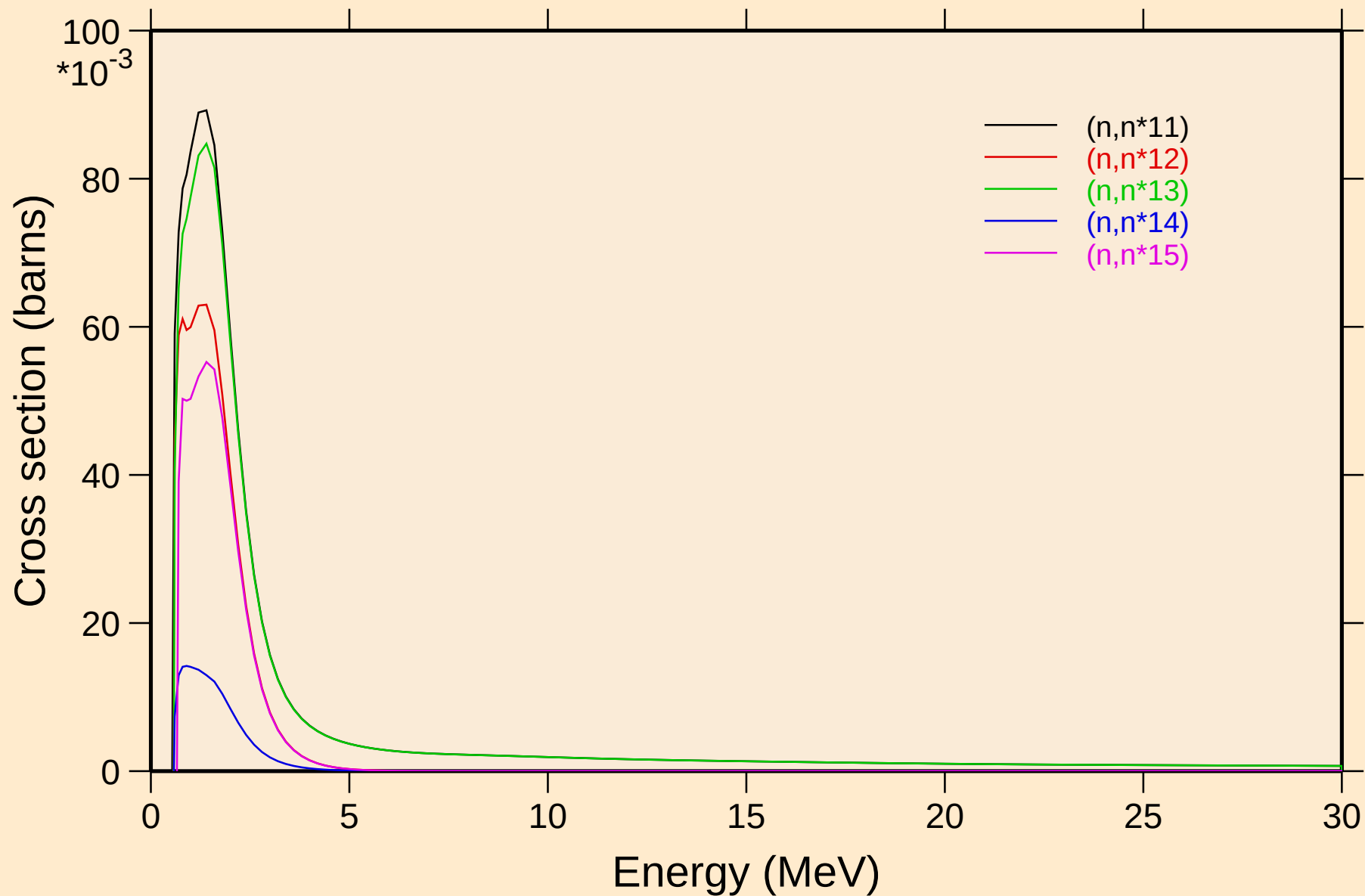
# PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



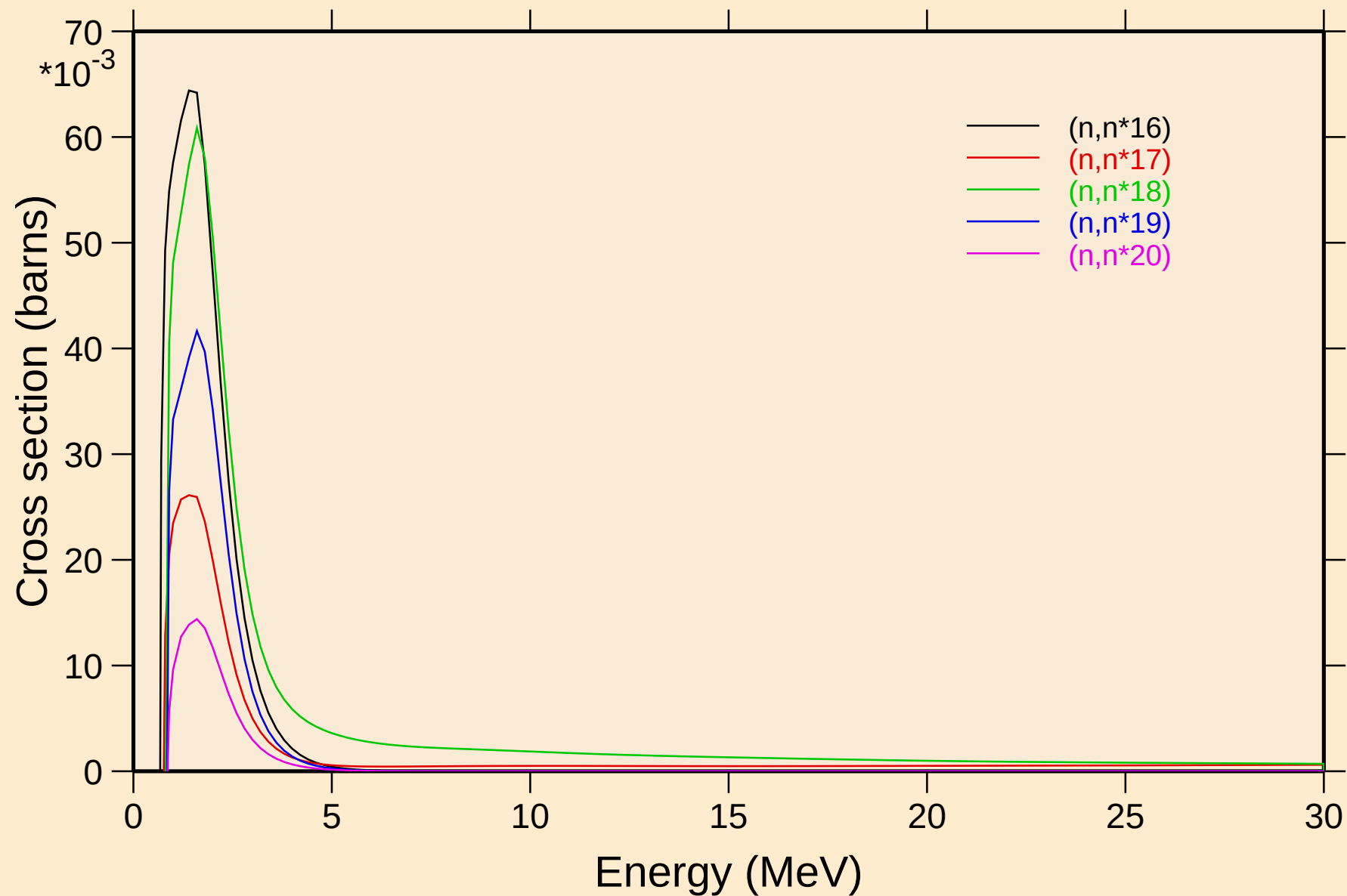
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## Inelastic levels



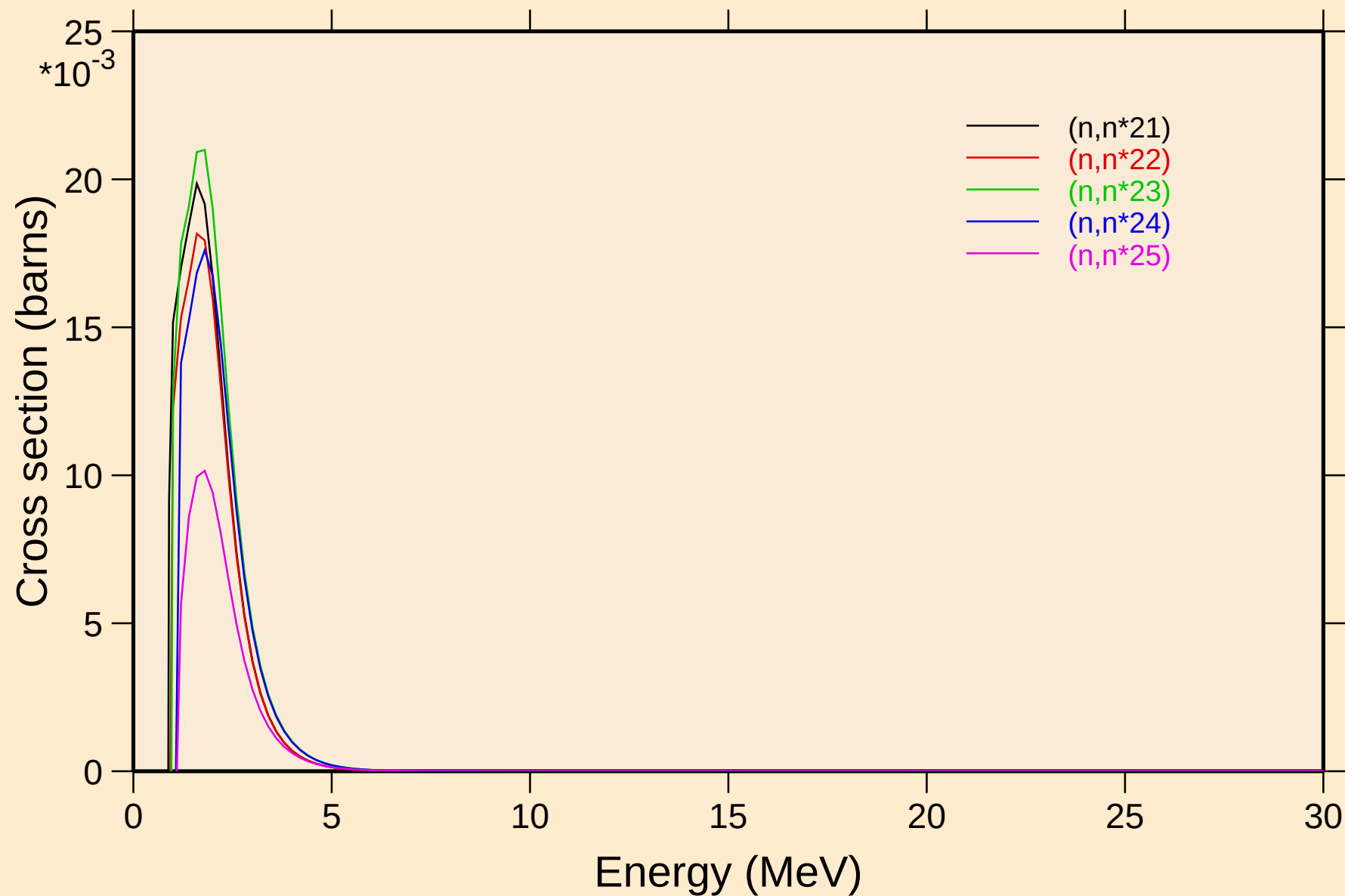
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## Inelastic levels



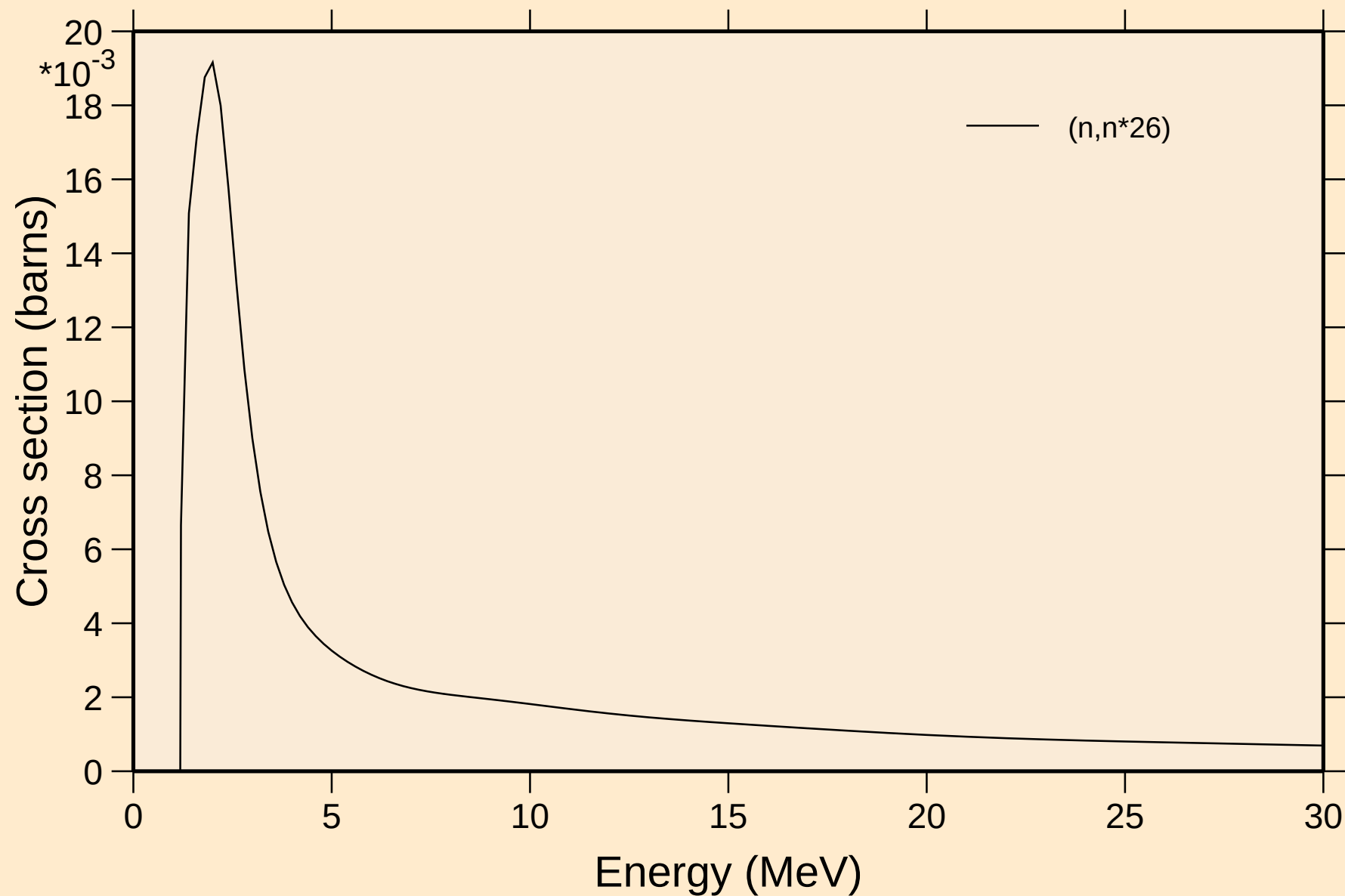
# PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



# PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

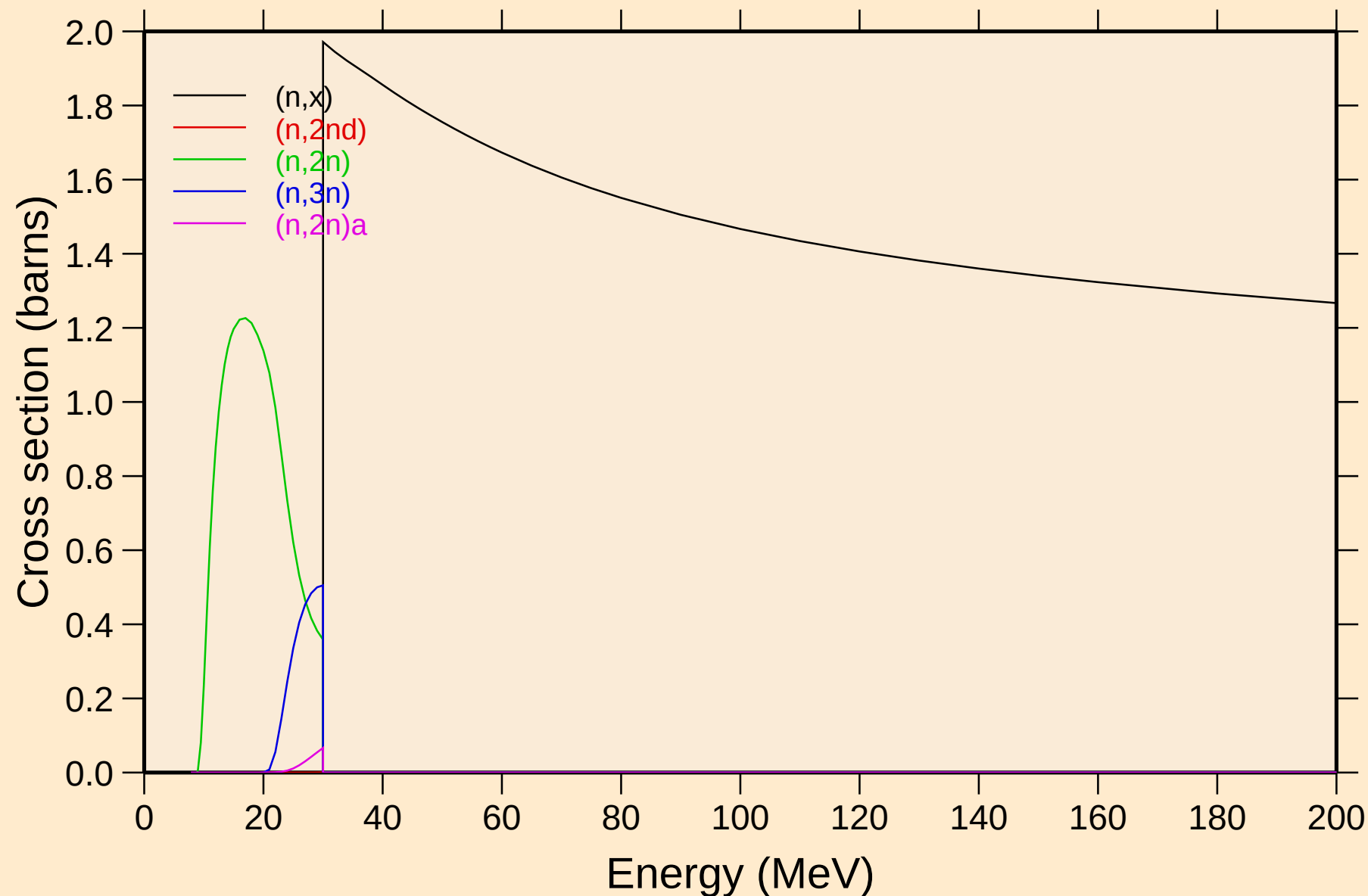
Inelastic levels



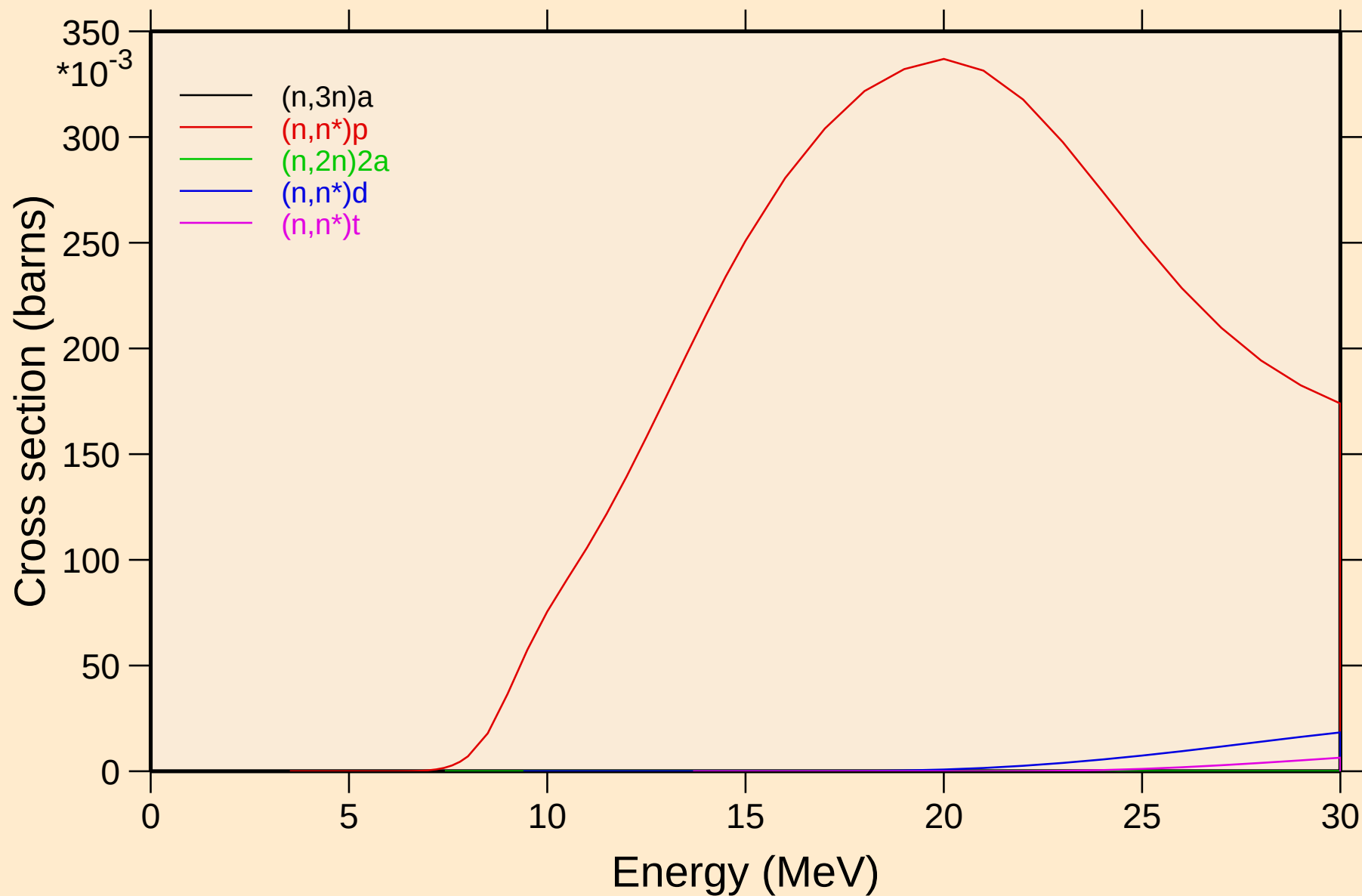


# PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

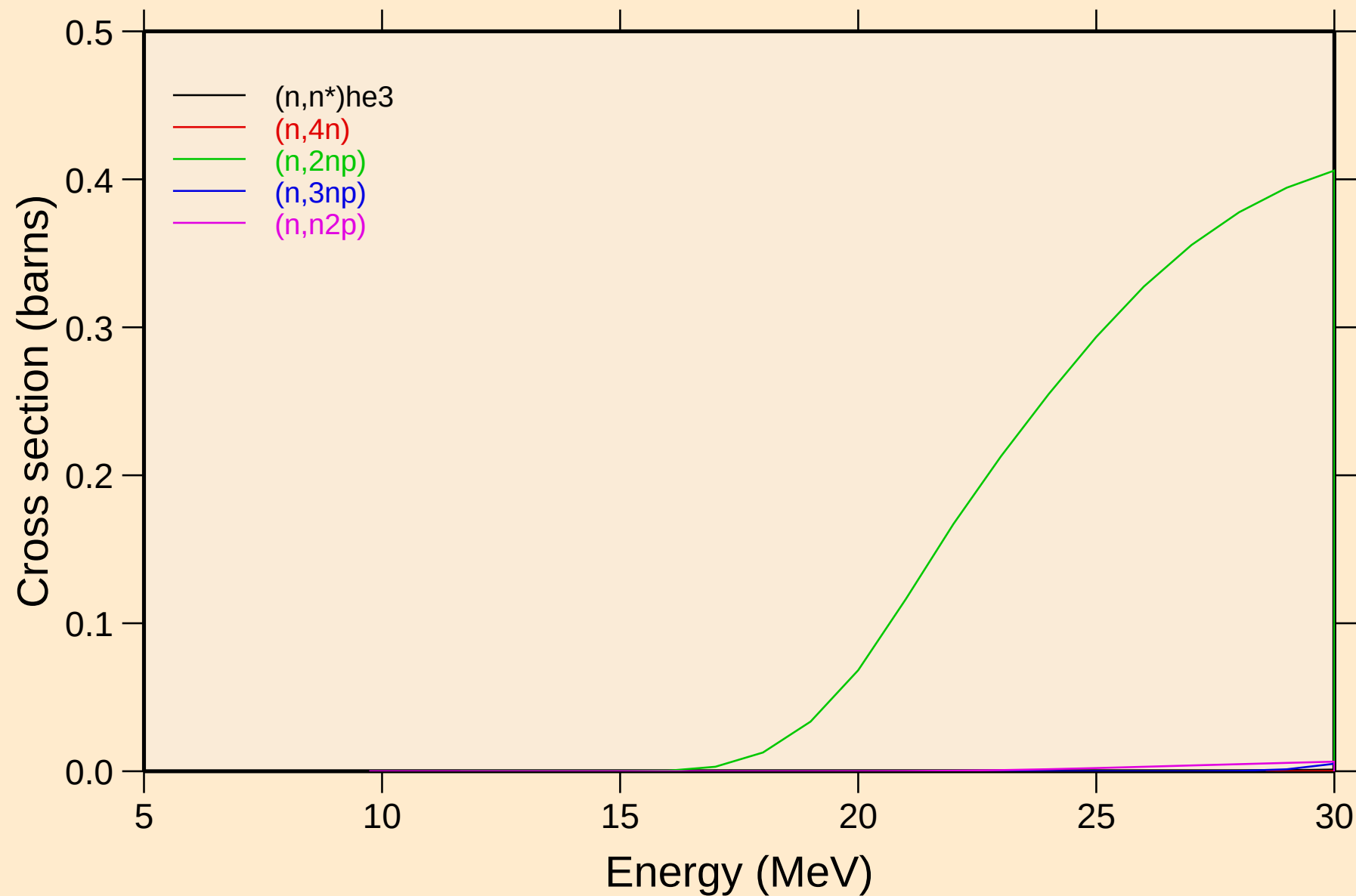
## Threshold reactions



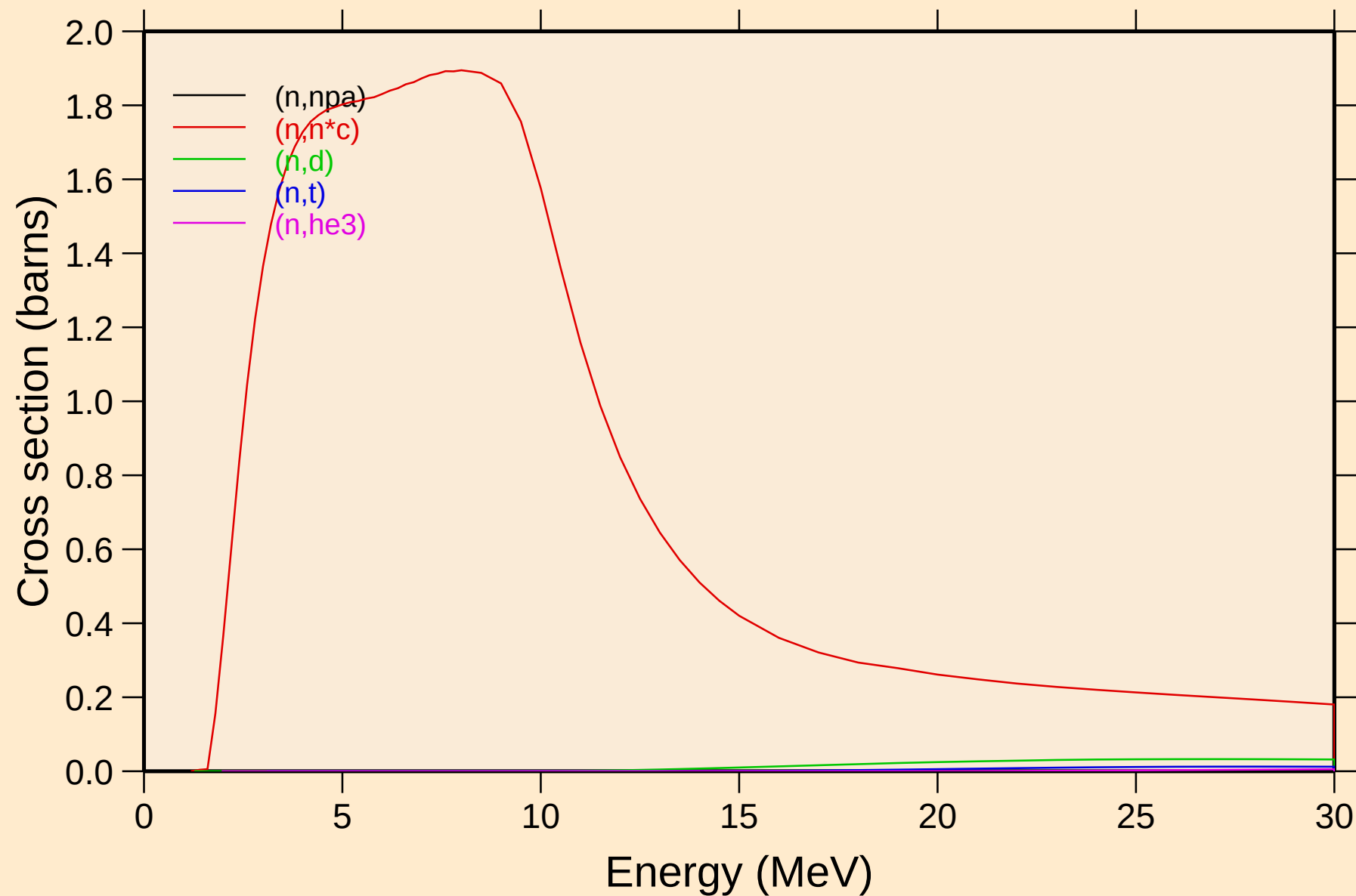
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



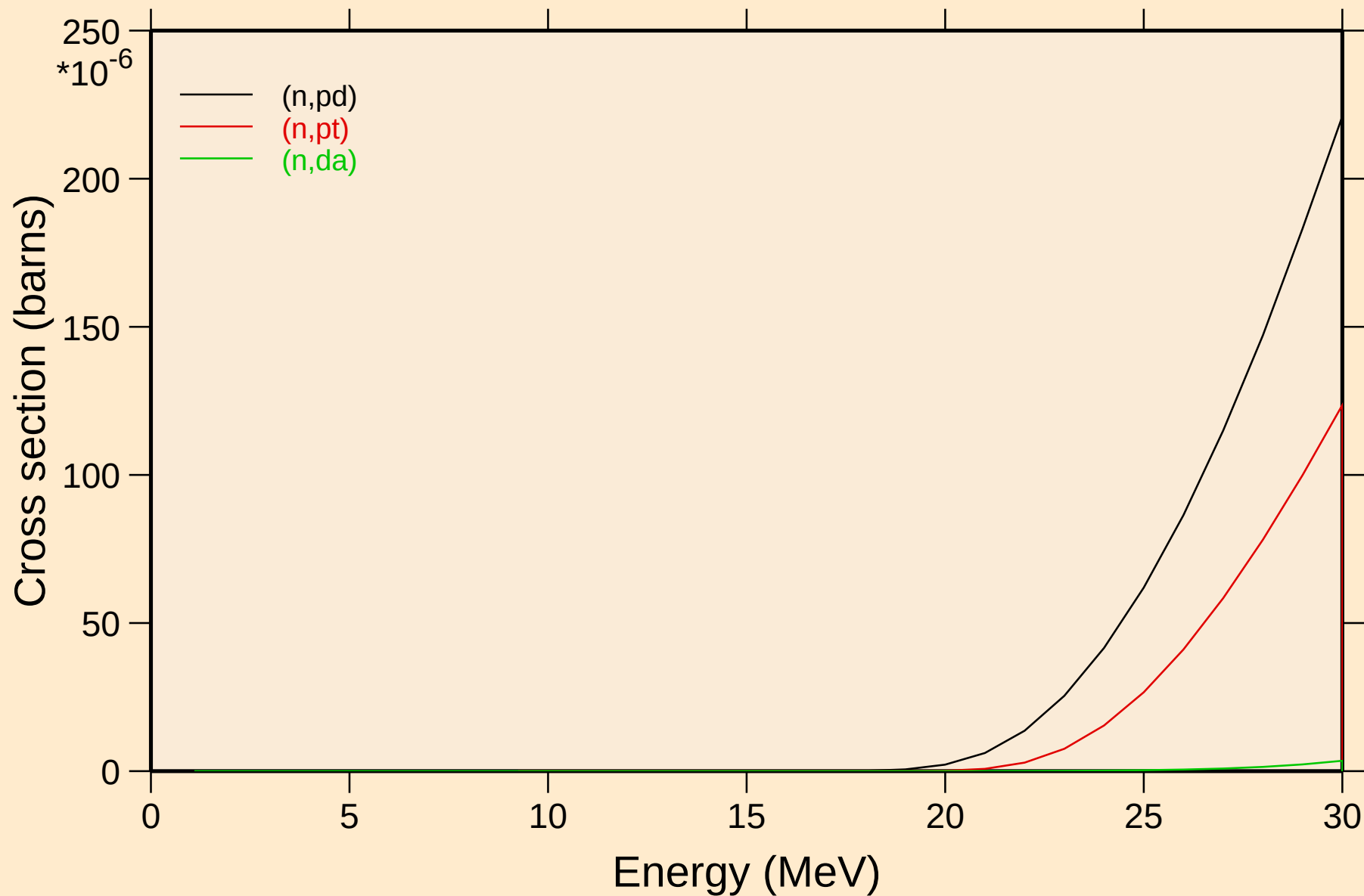
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



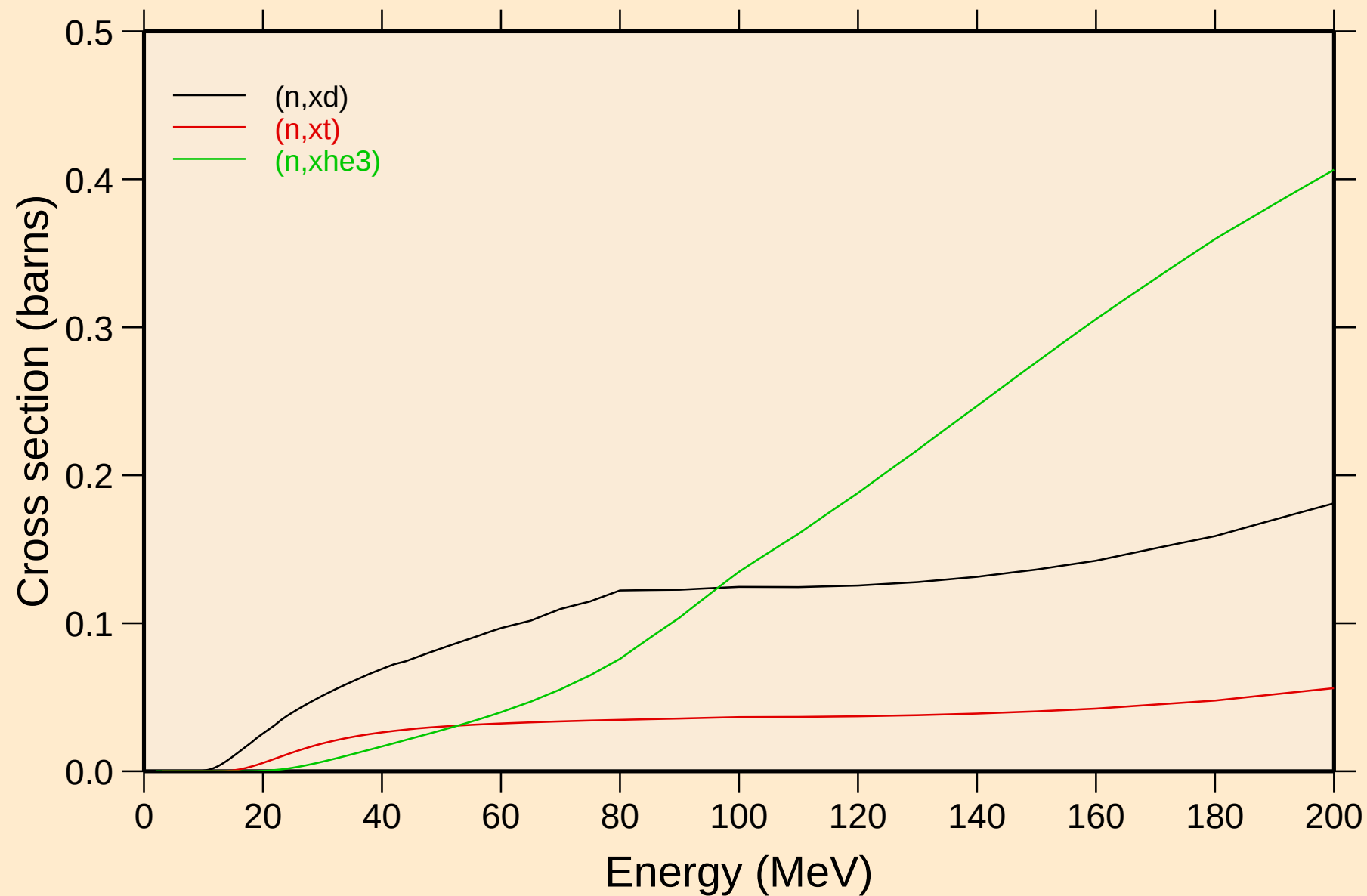
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



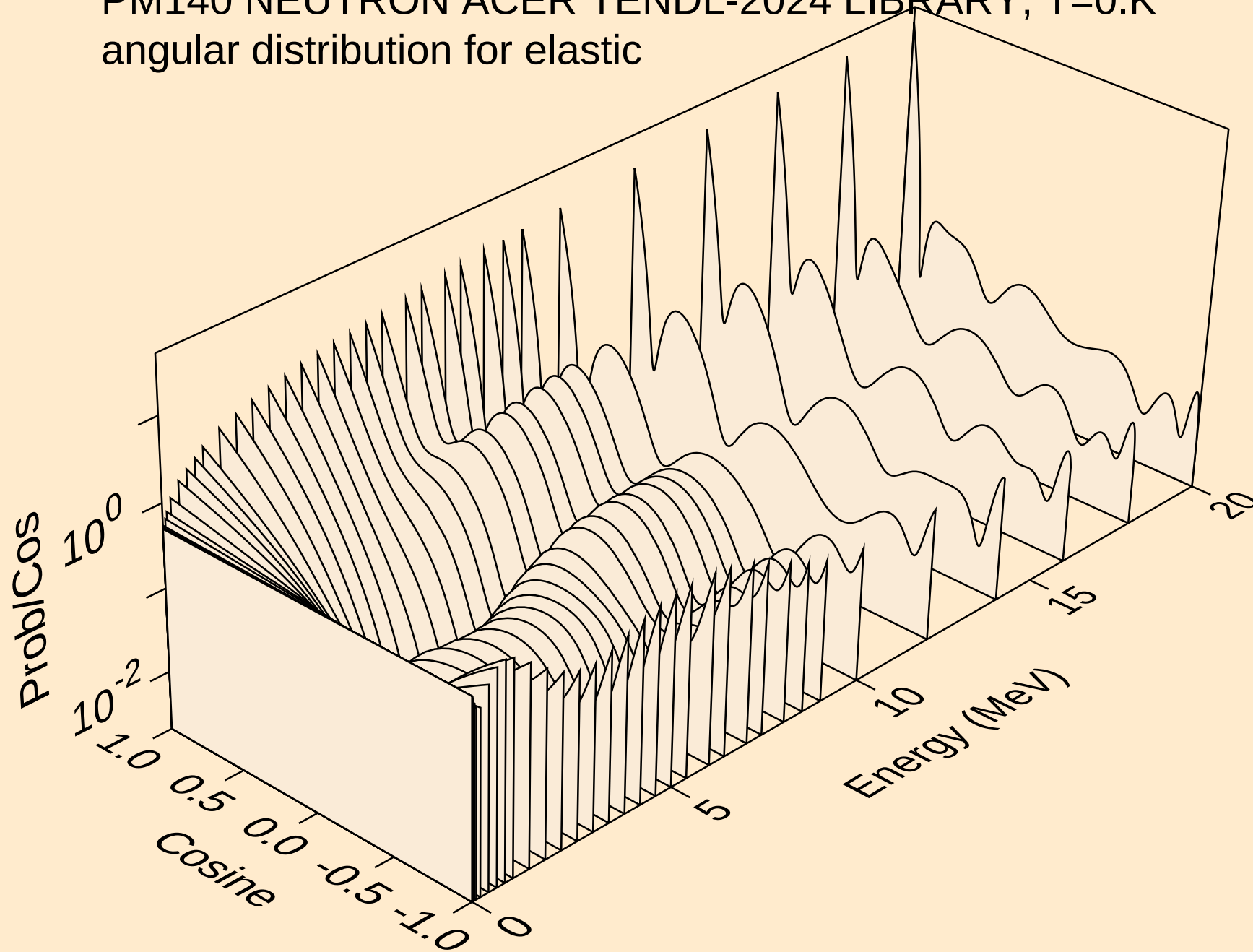
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



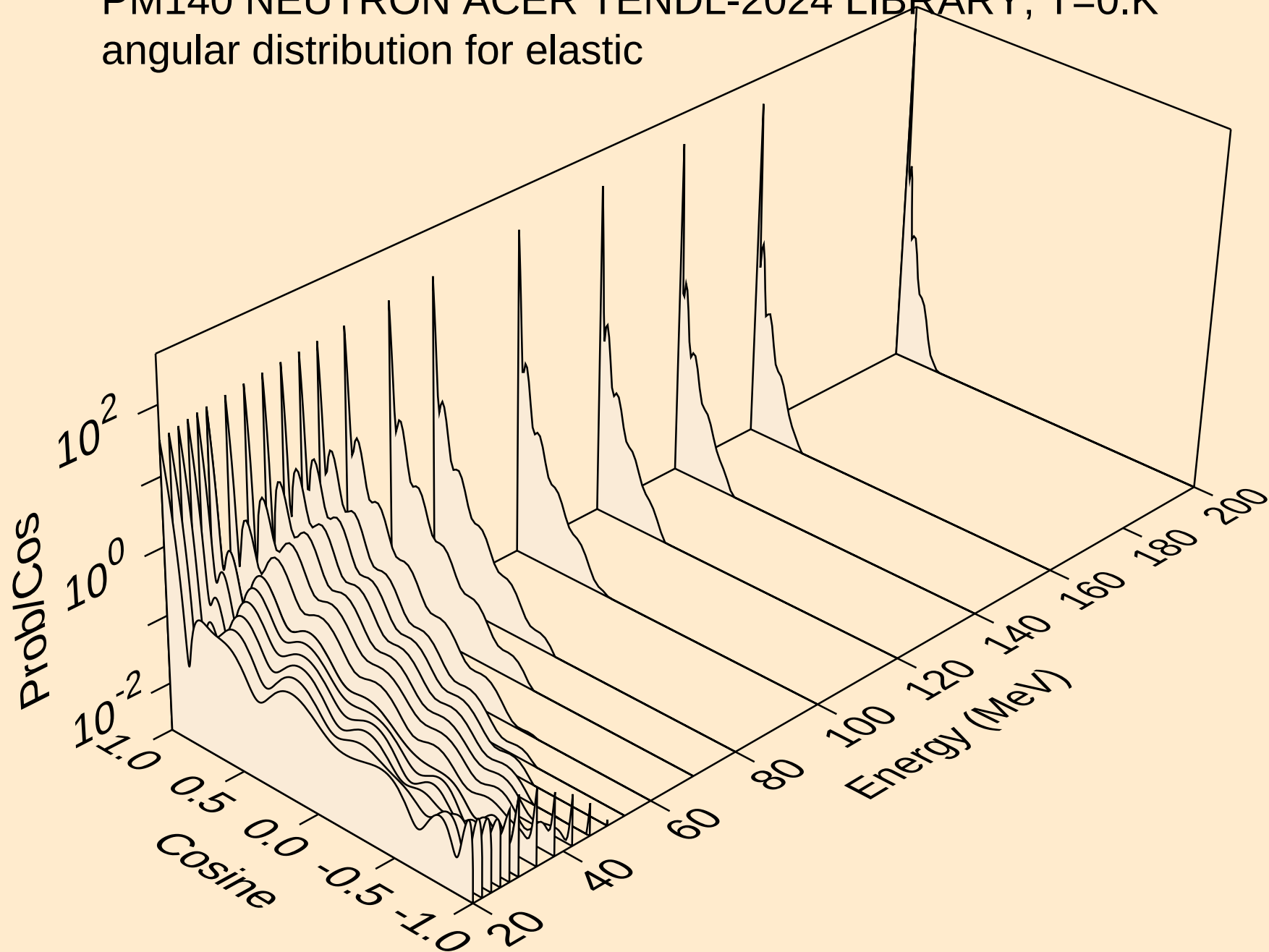
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

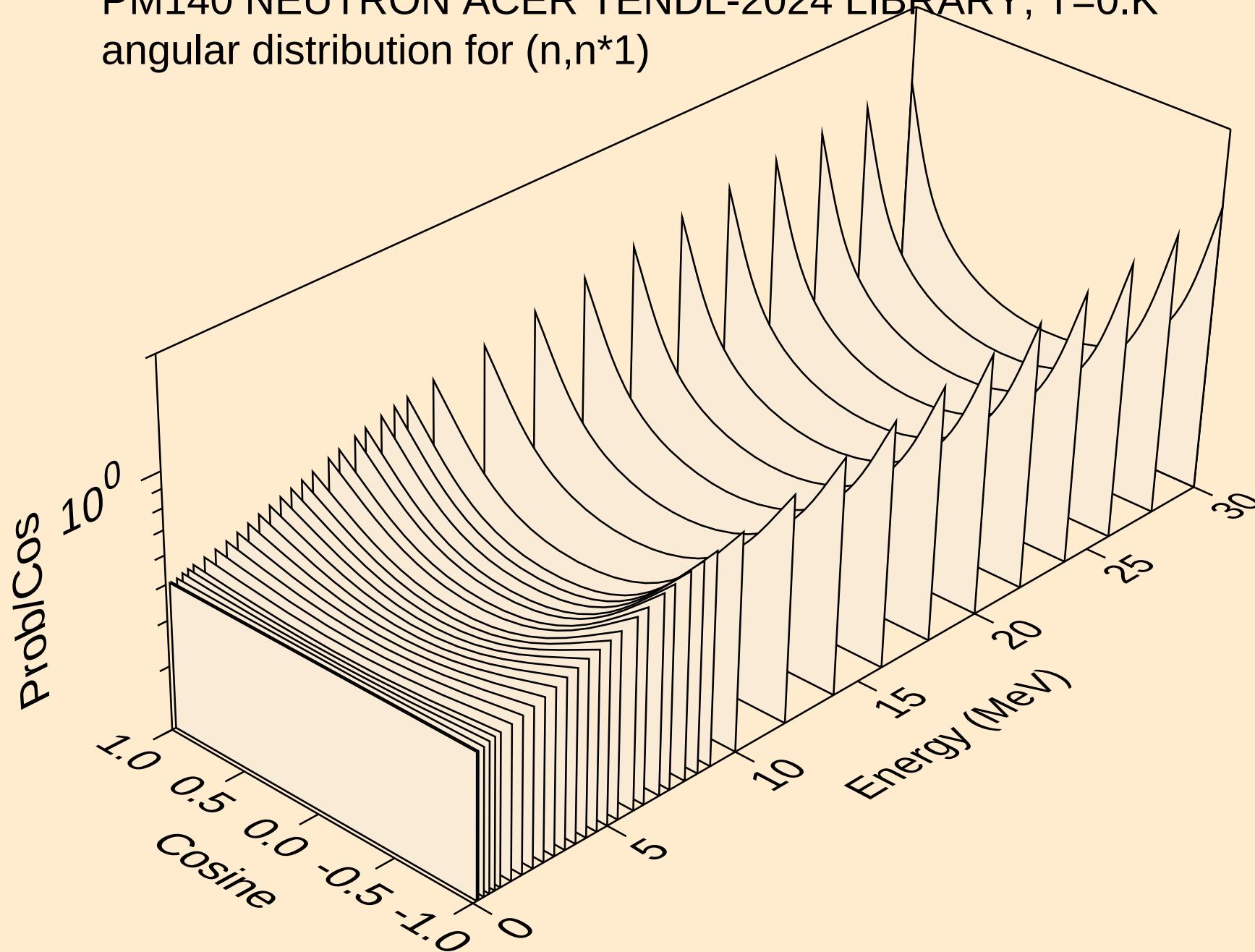


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

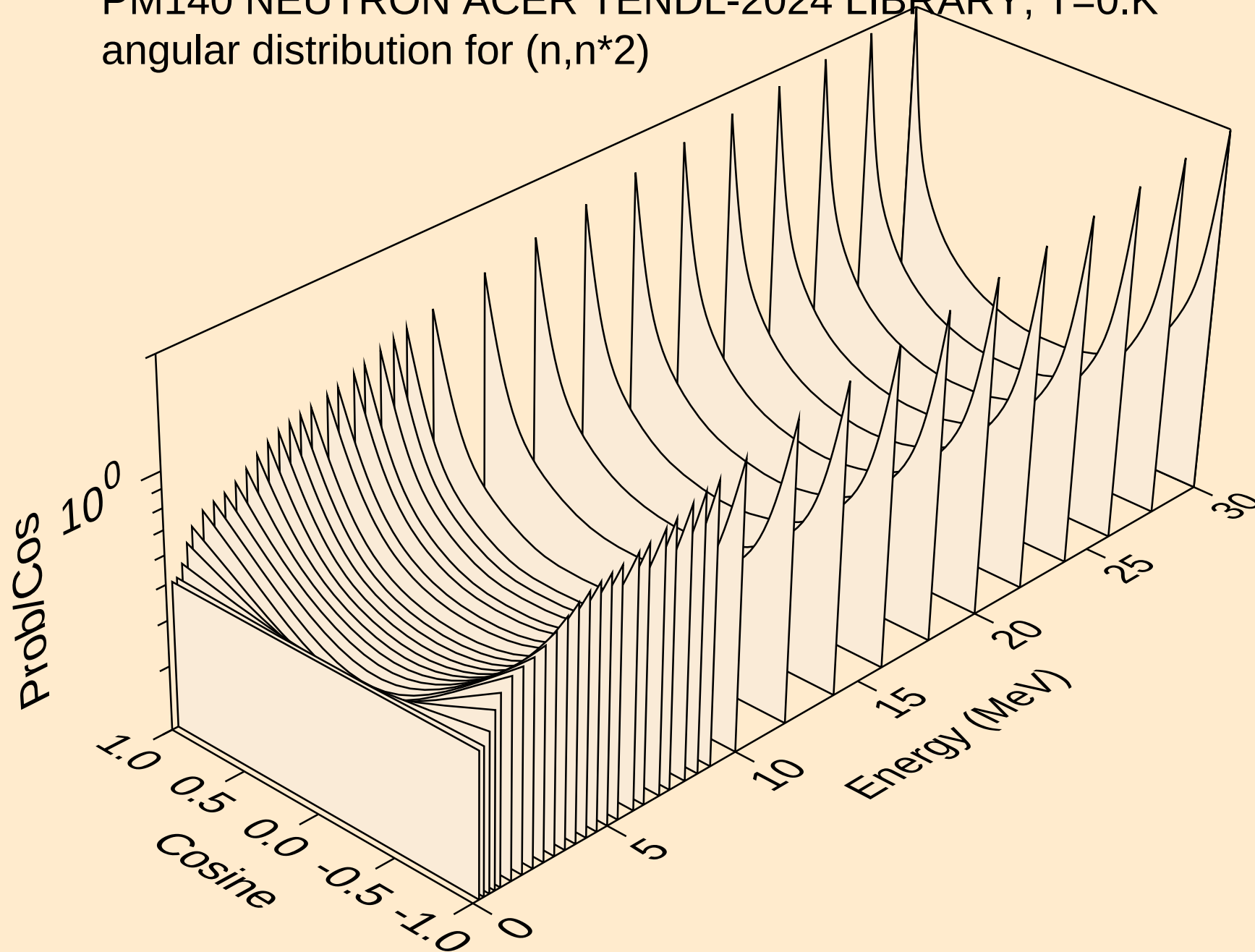




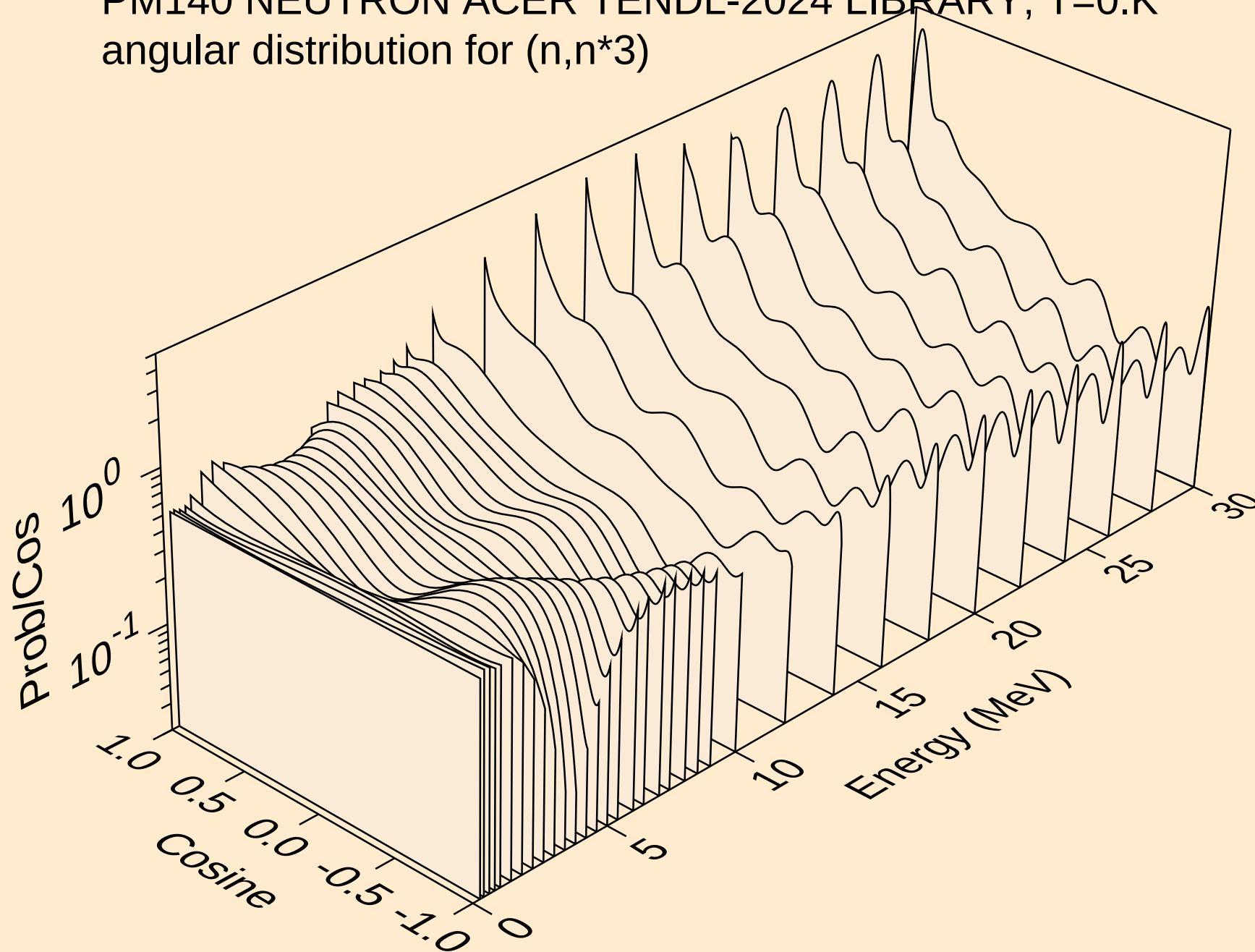
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



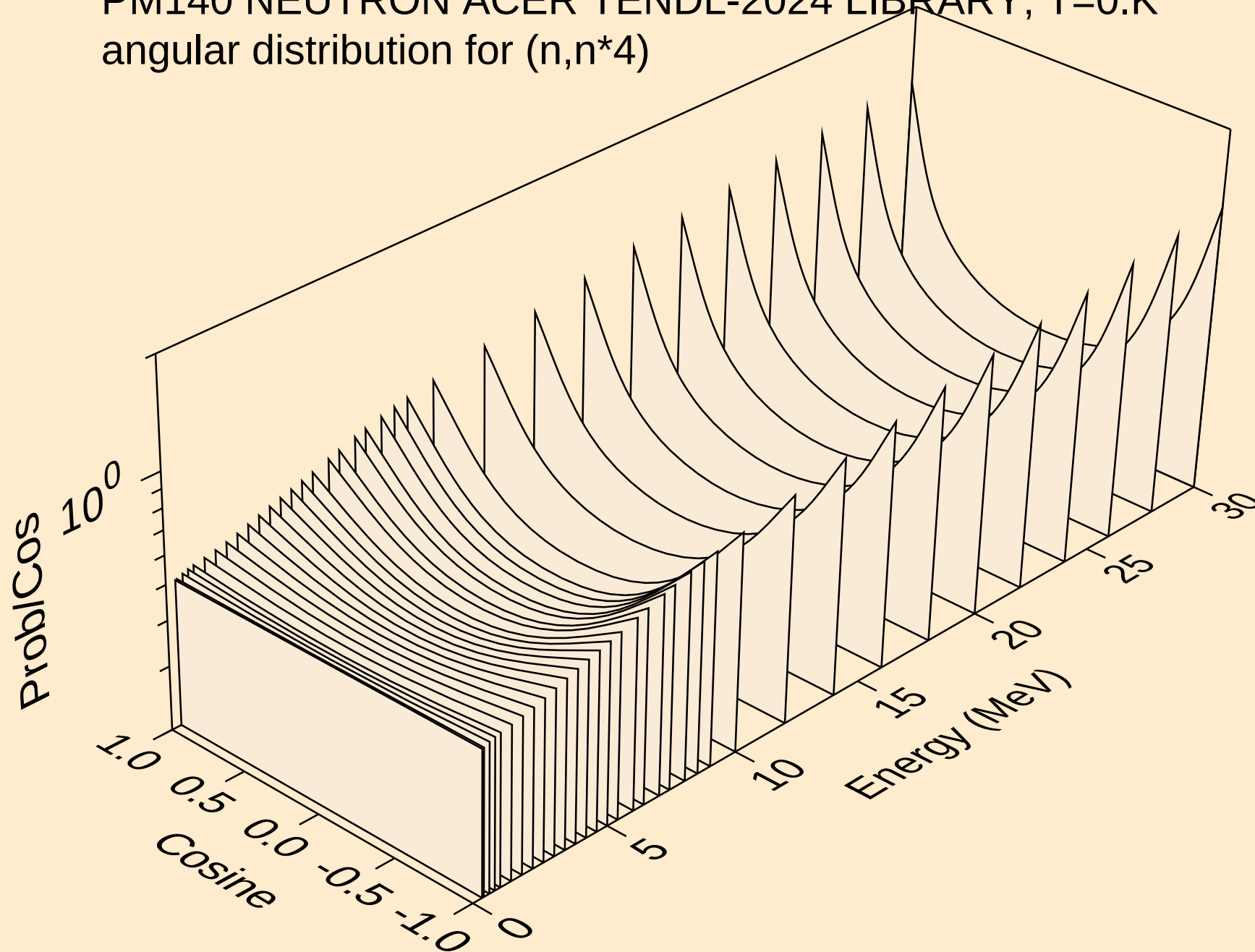
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



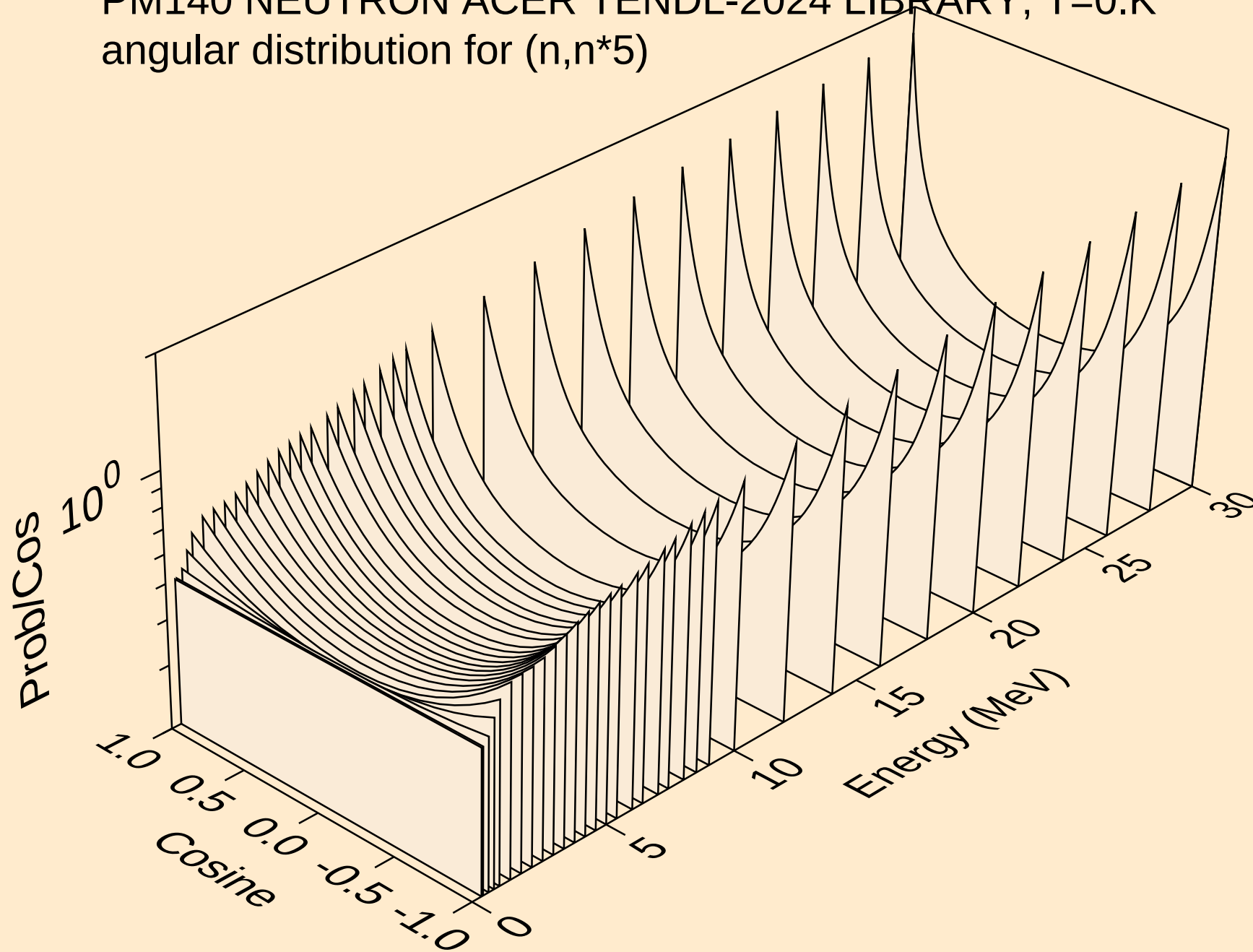
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angular distribution for (n,n\*3)



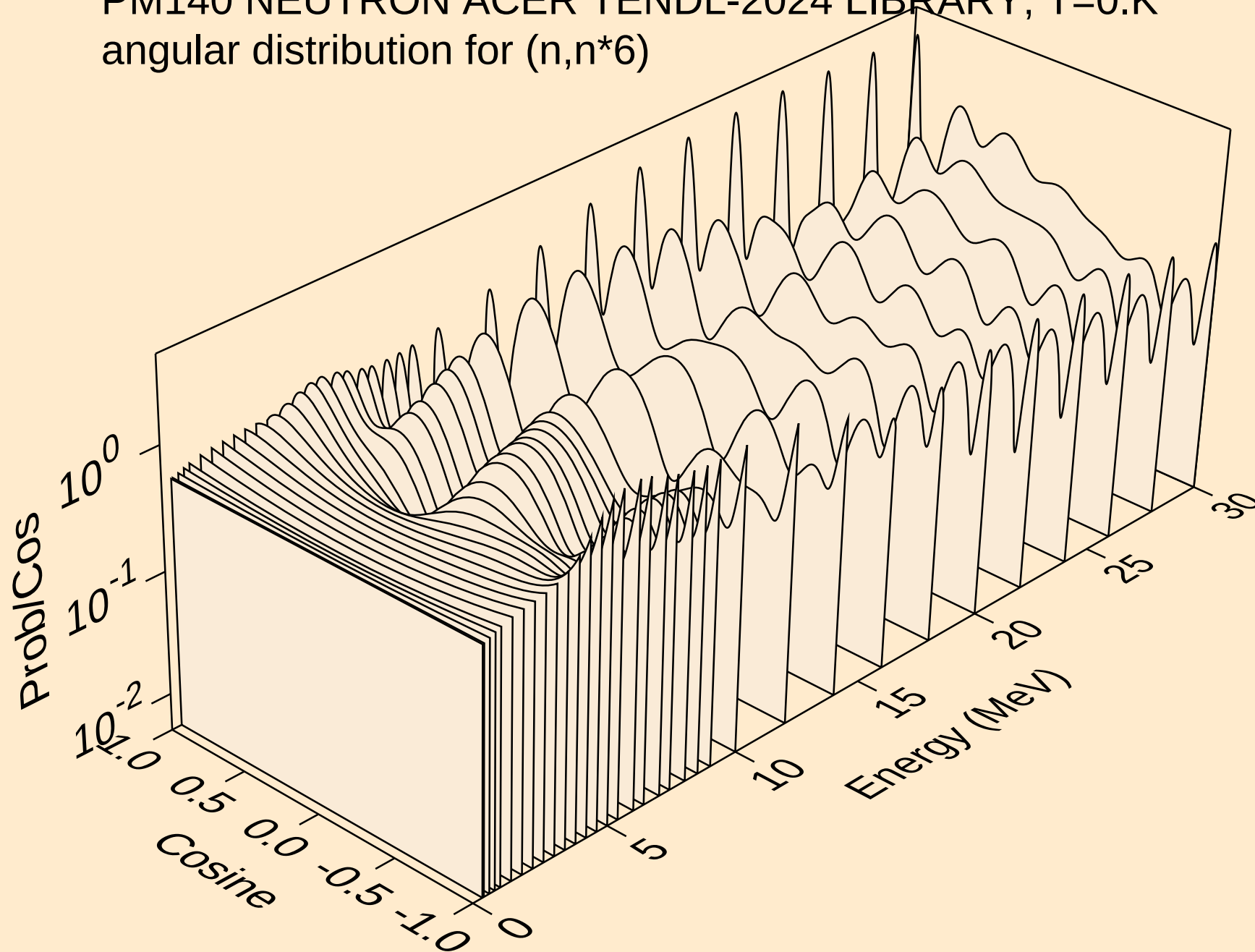
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angular distribution for (n,n\*4)



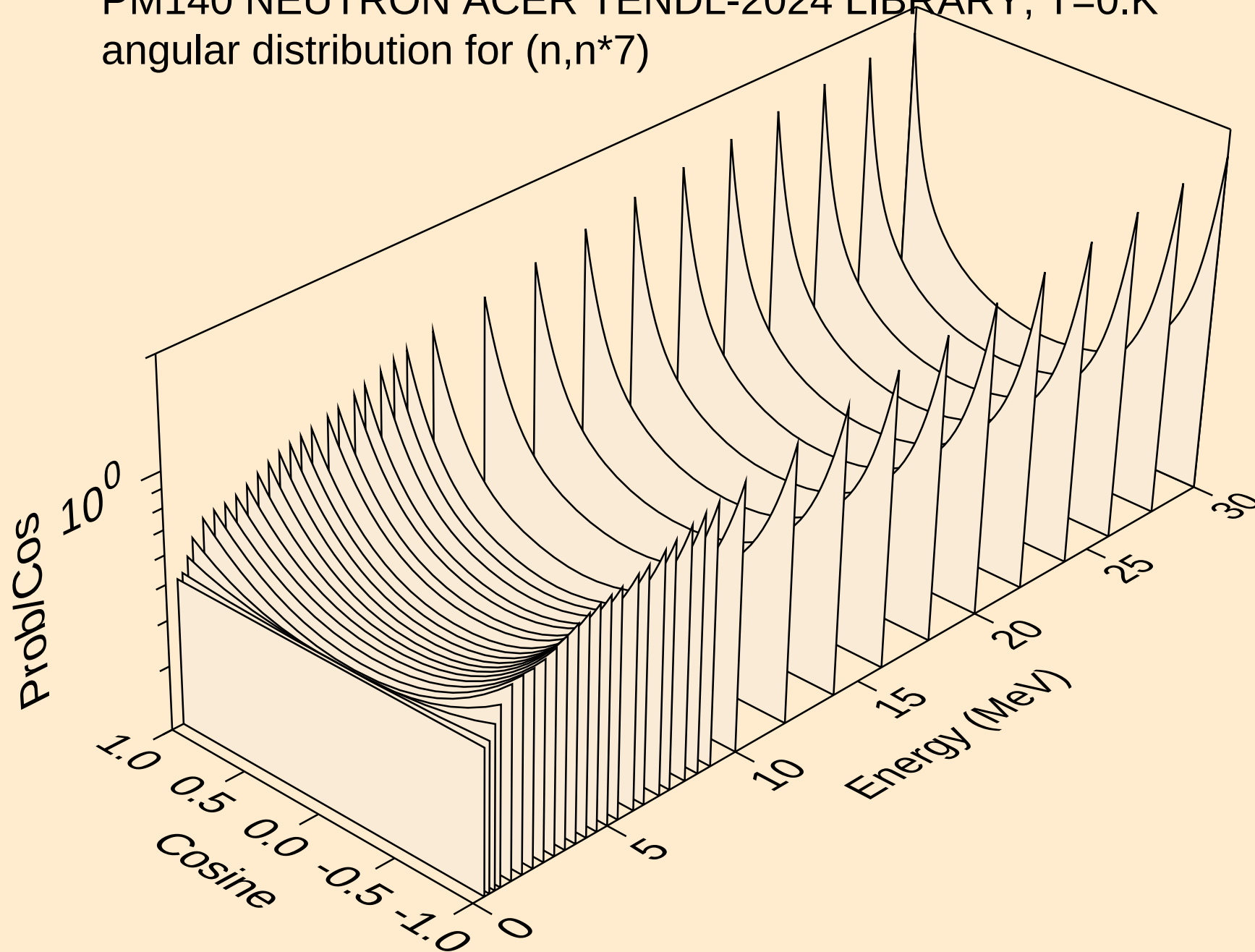
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

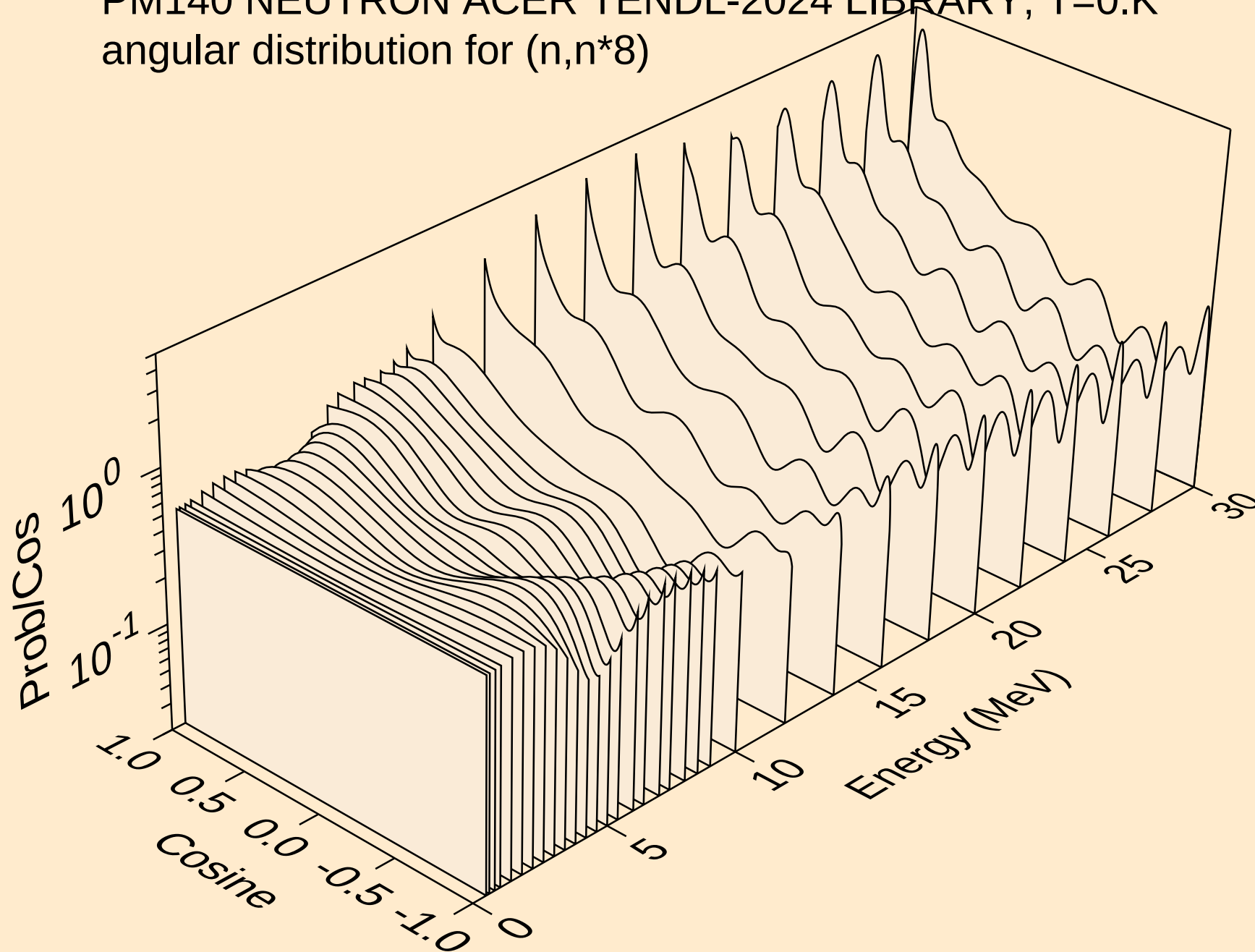


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angular distribution for (n,n\*7)



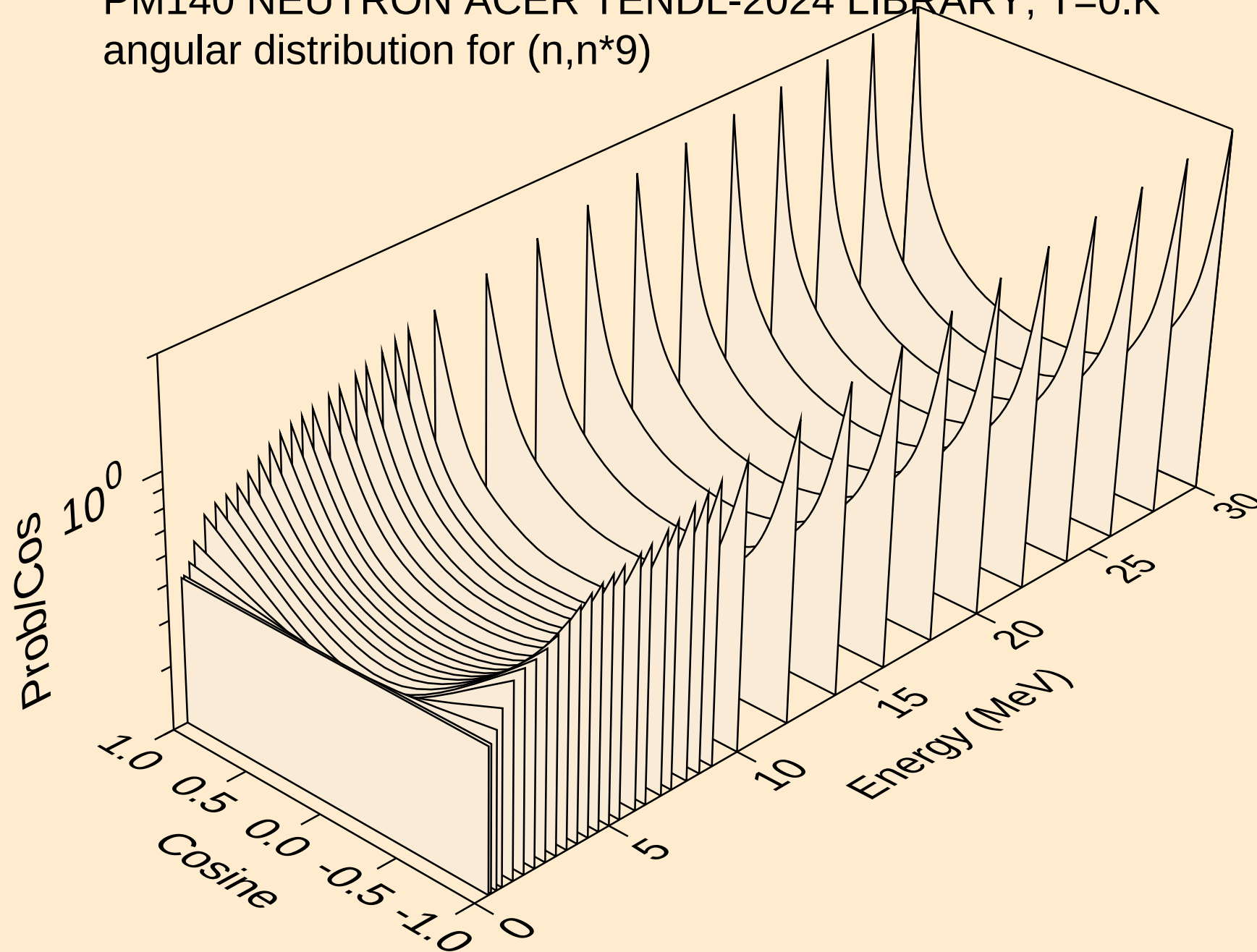


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angular distribution for (n,n\*8)

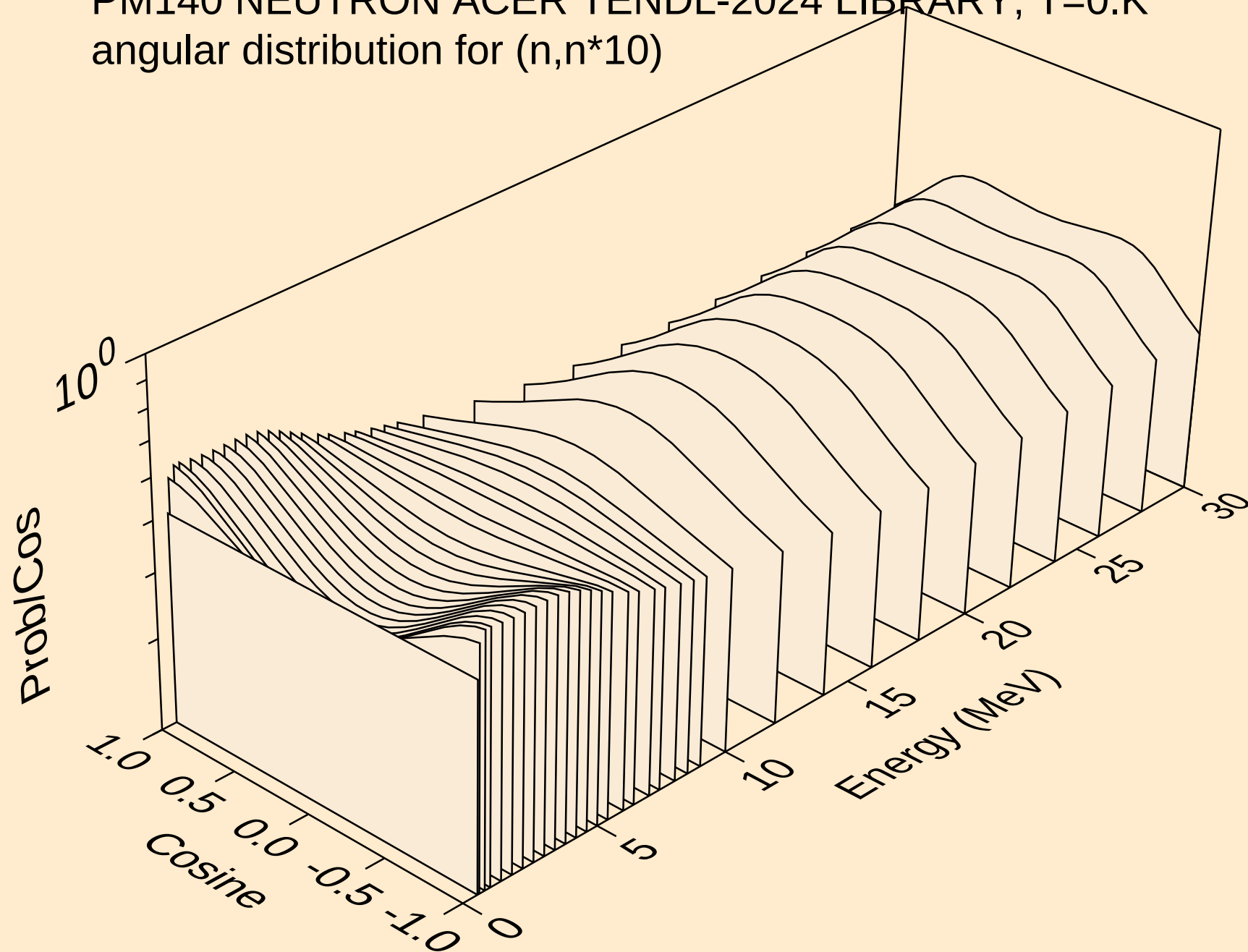




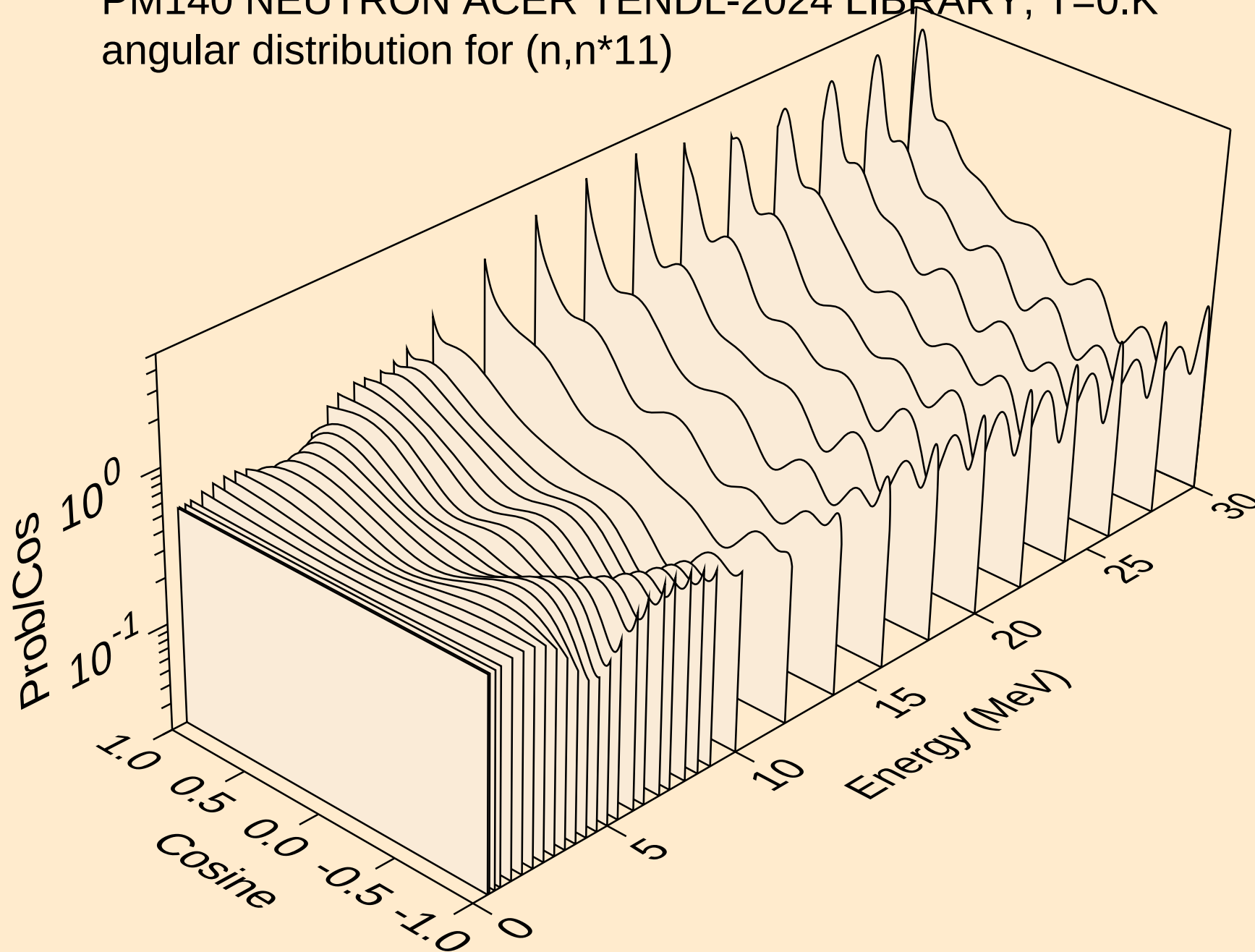
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angular distribution for (n,n\*9)



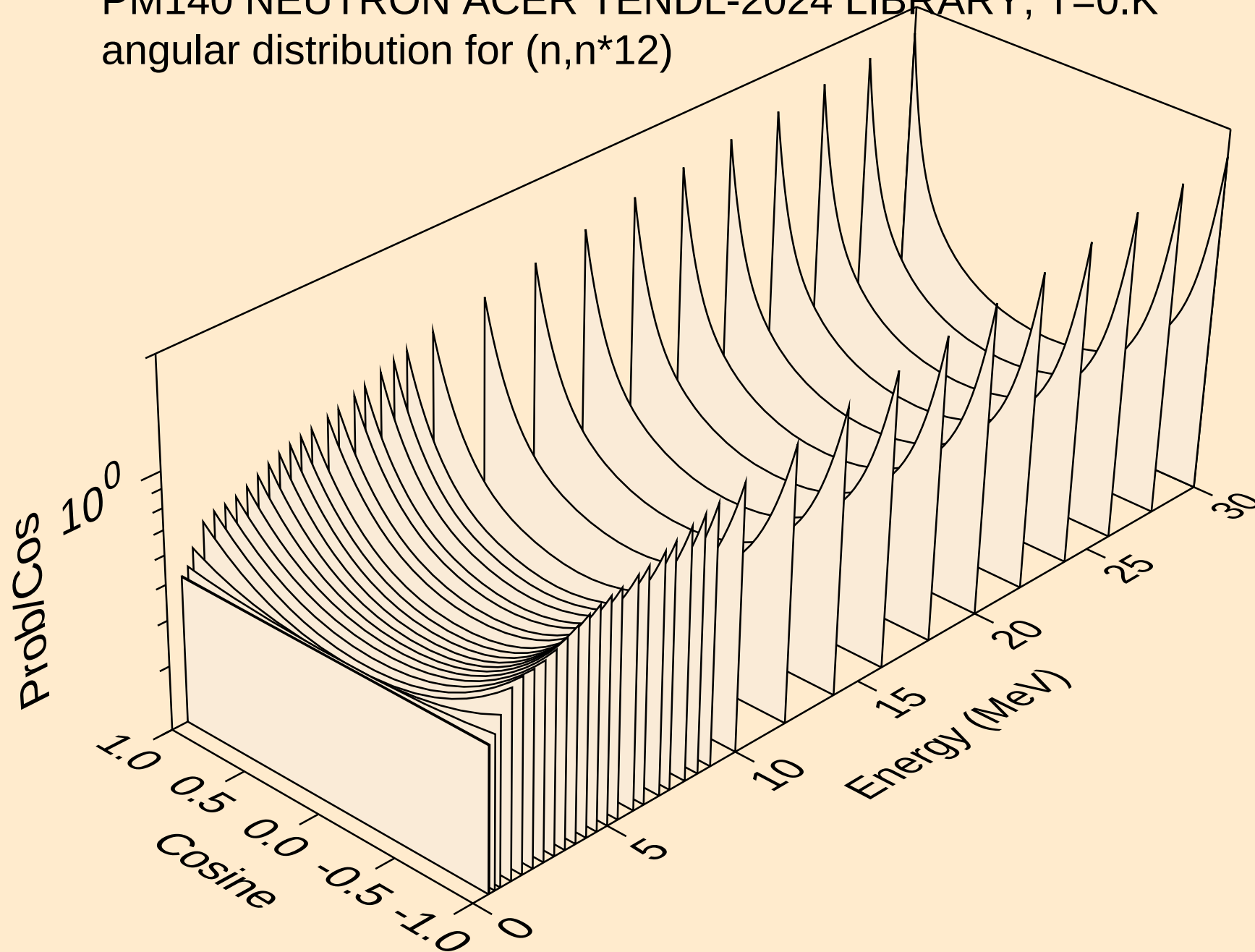
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angular distribution for (n,n\*10)



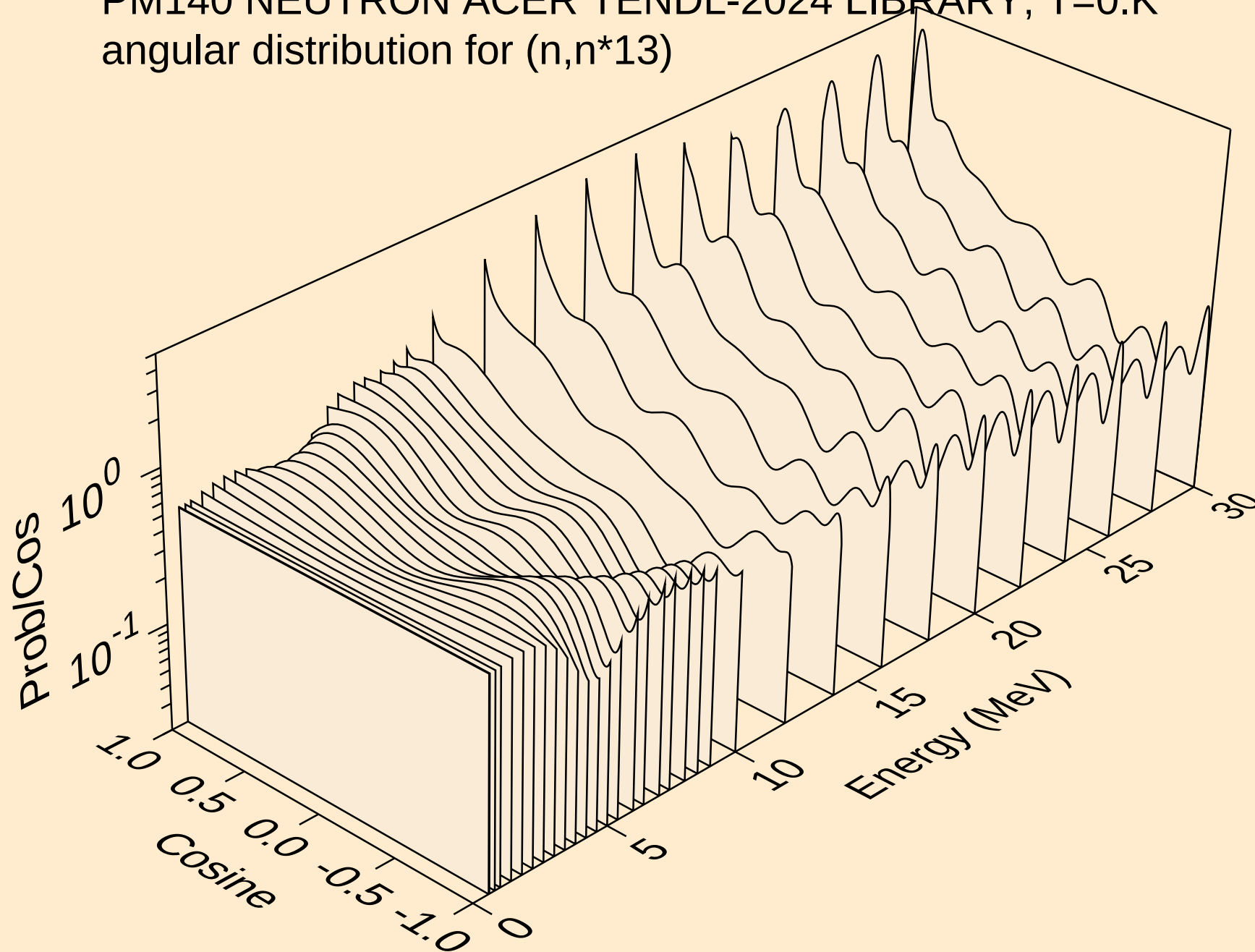
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angular distribution for (n,n\*11)



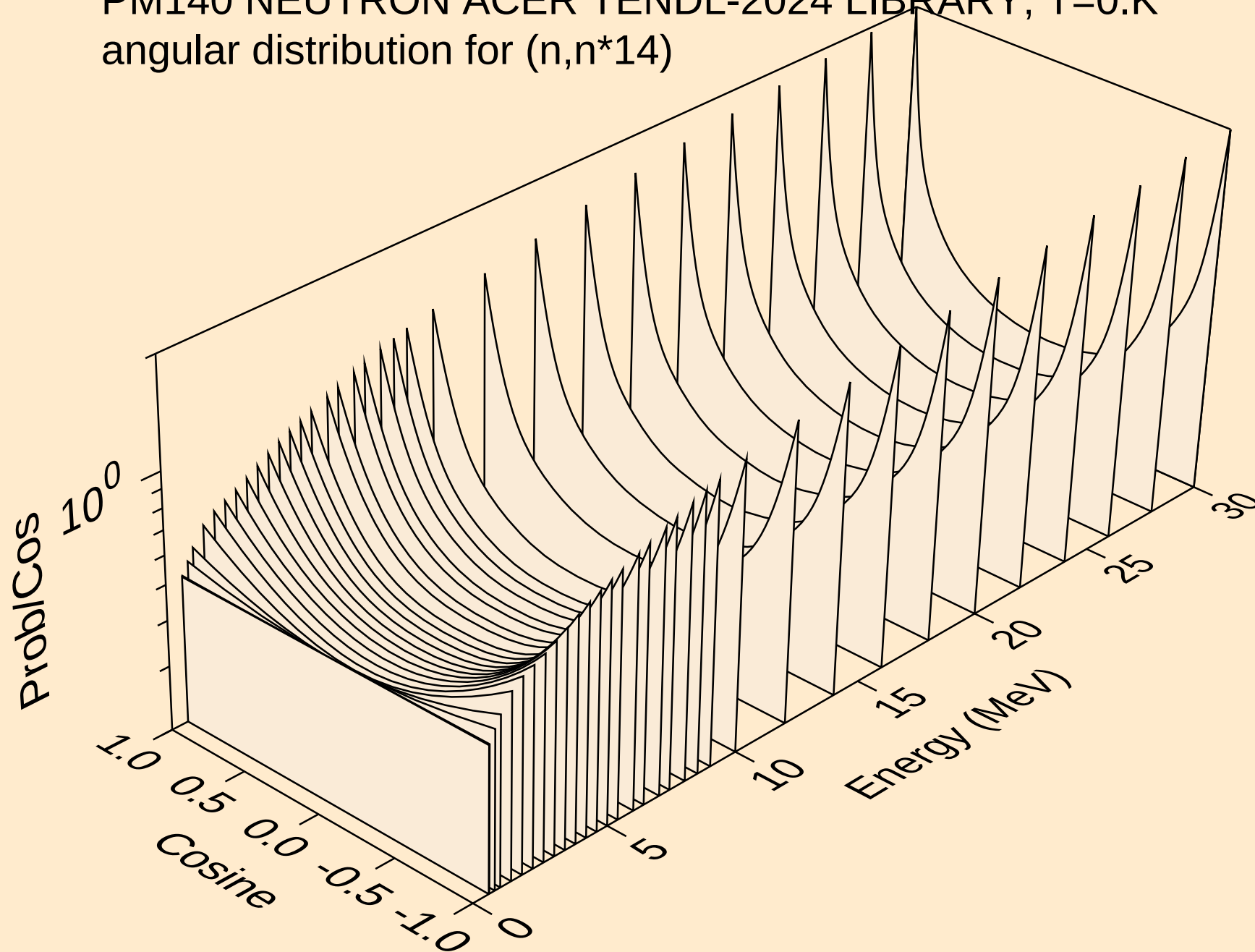
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angular distribution for (n,n\*12)



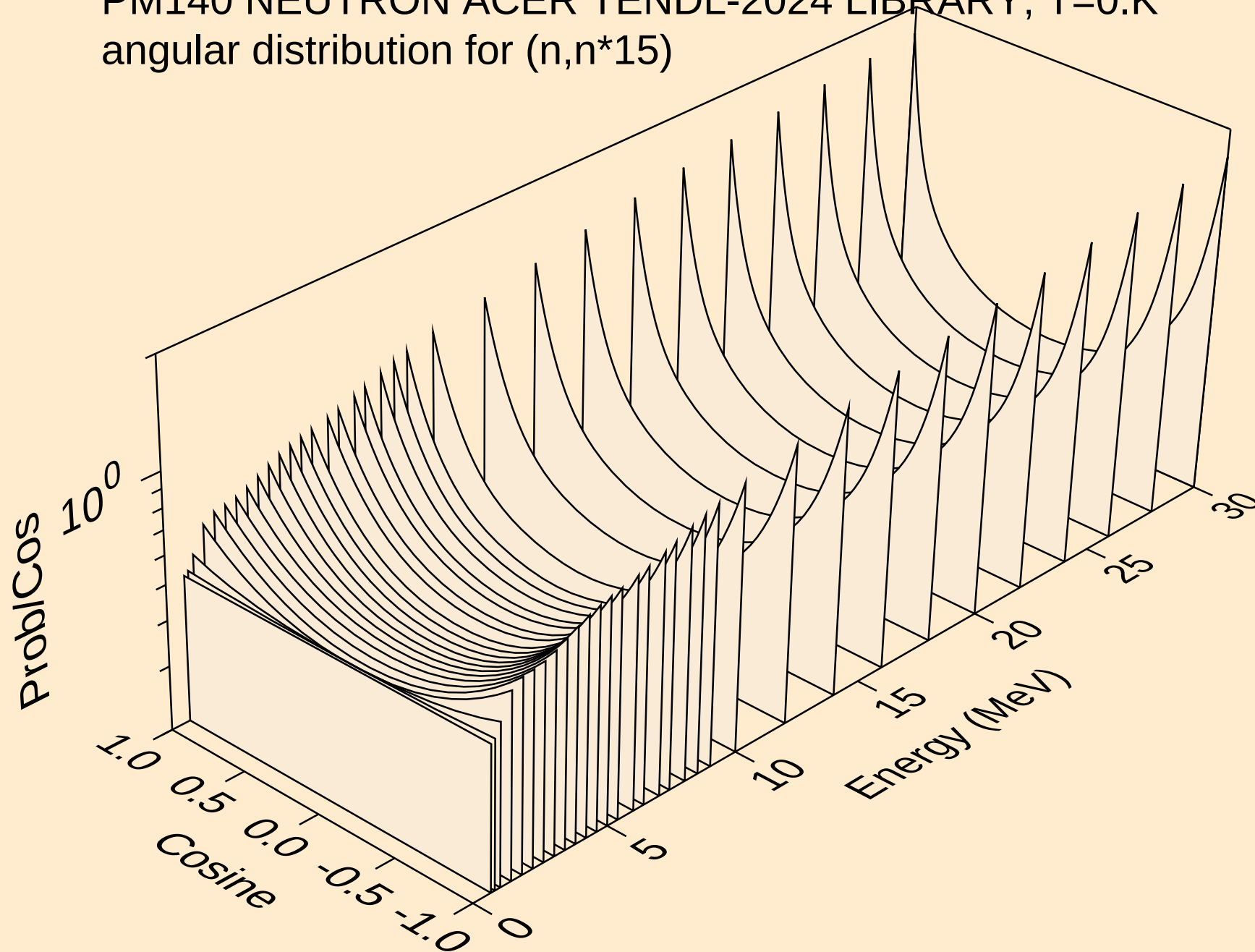
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angular distribution for (n,n\*13)



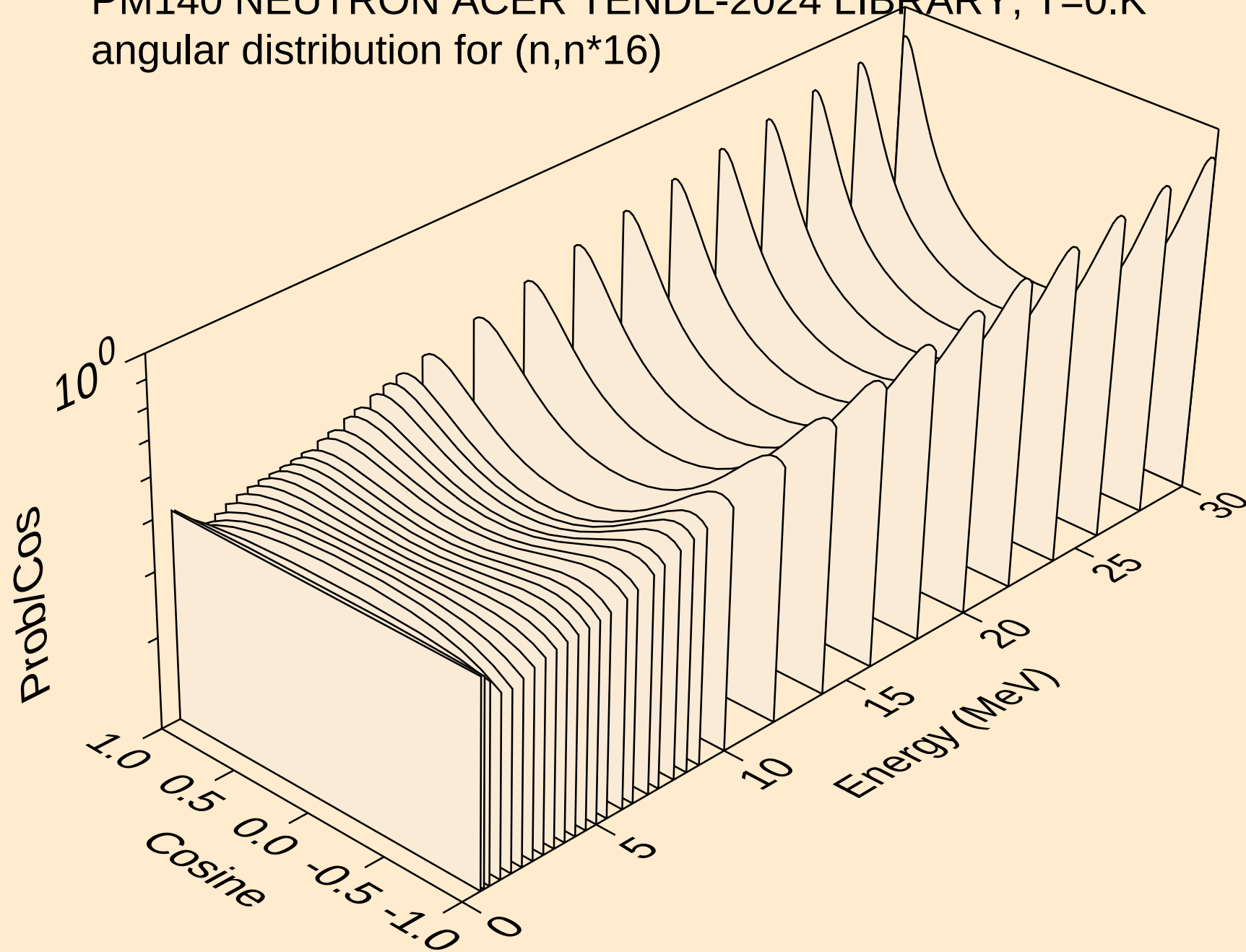
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

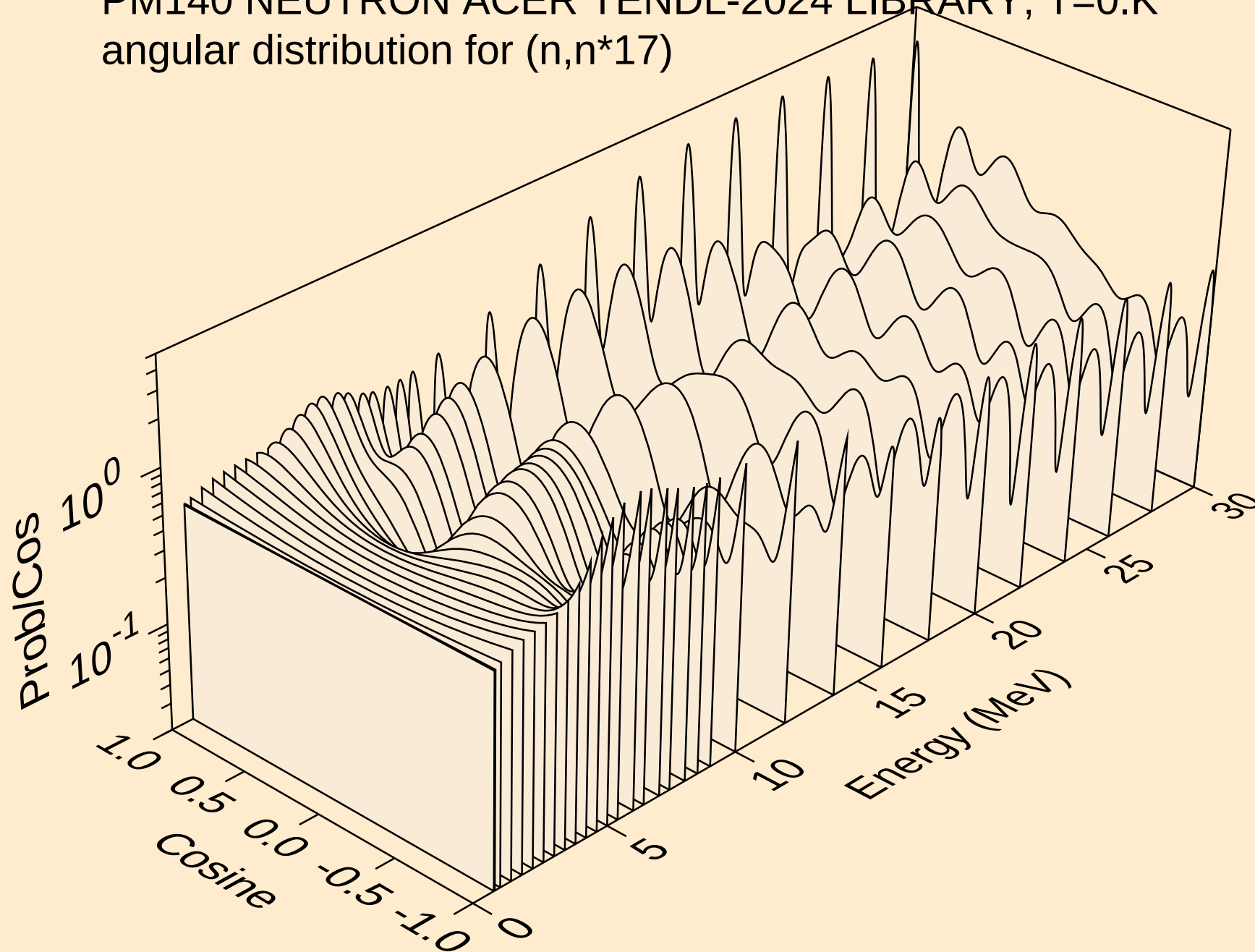


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

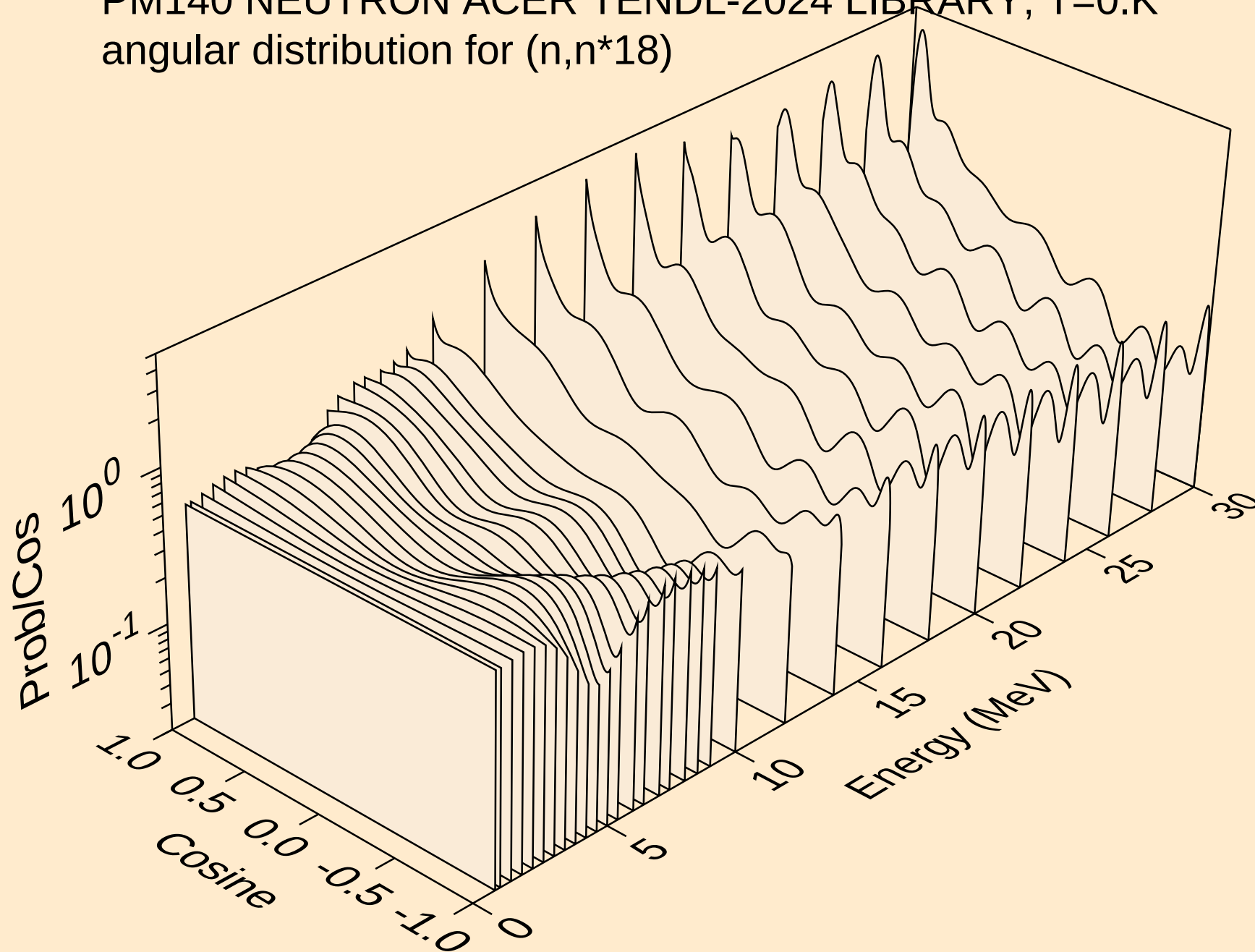




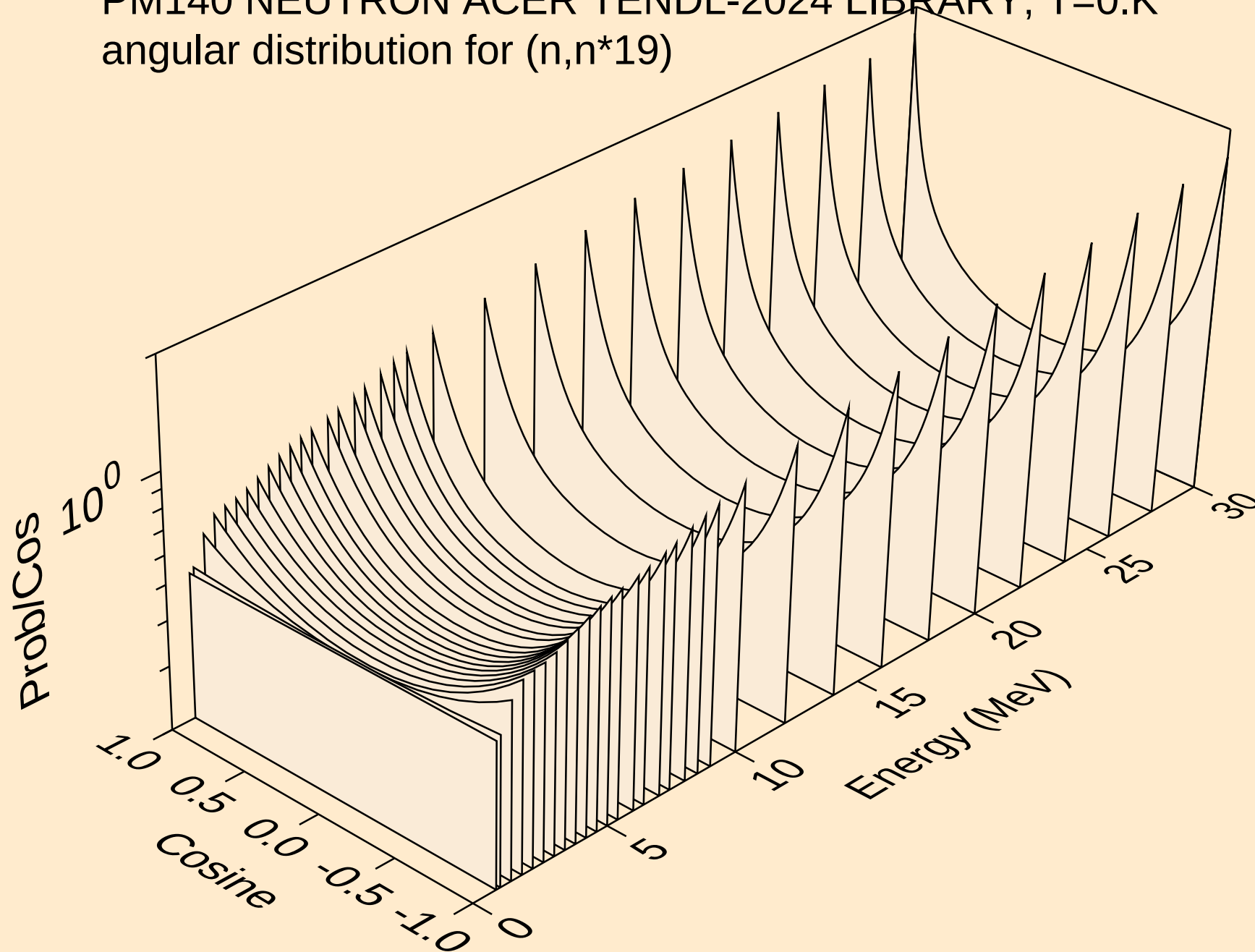
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angular distribution for (n,n\*17)



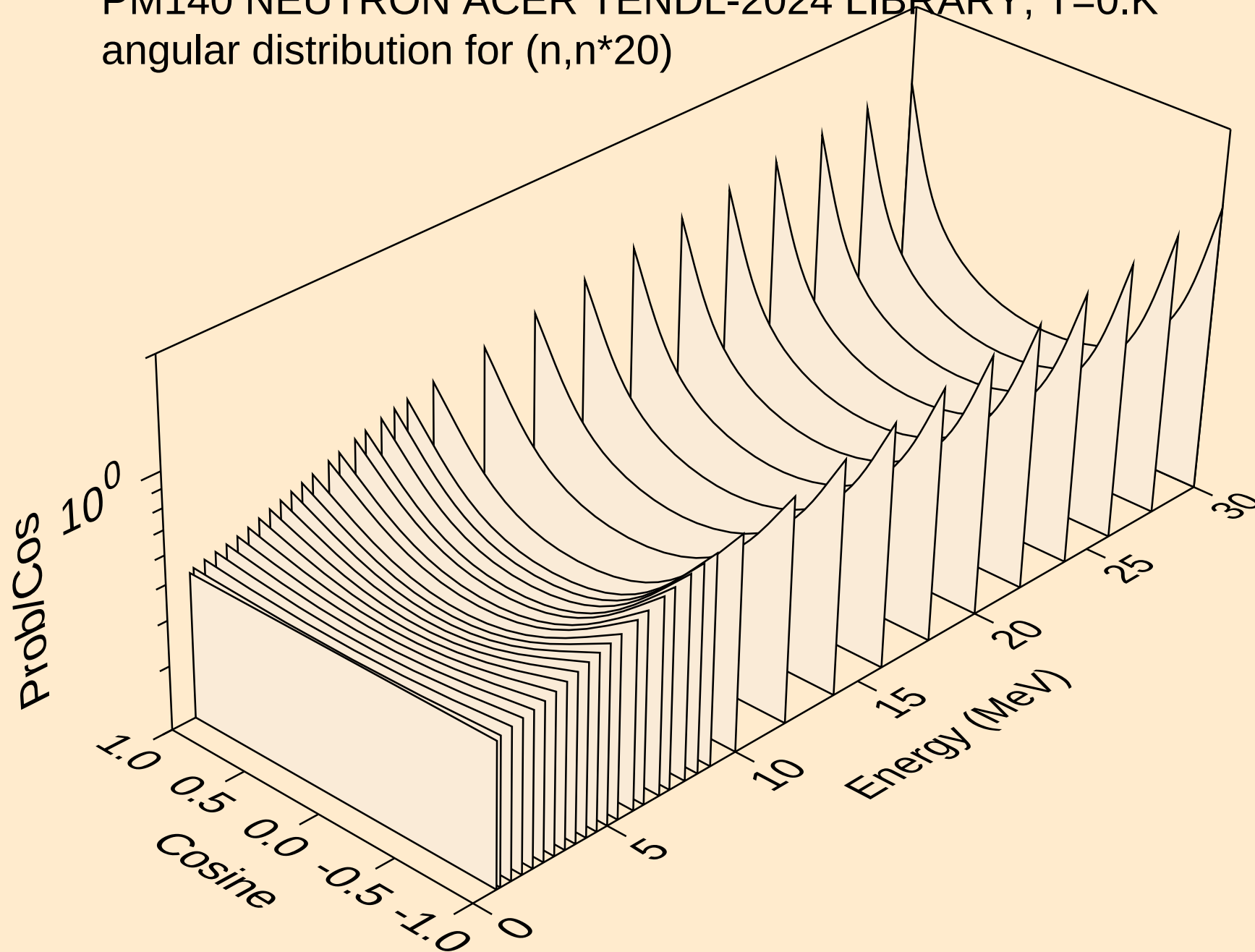
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angular distribution for (n,n\*18)



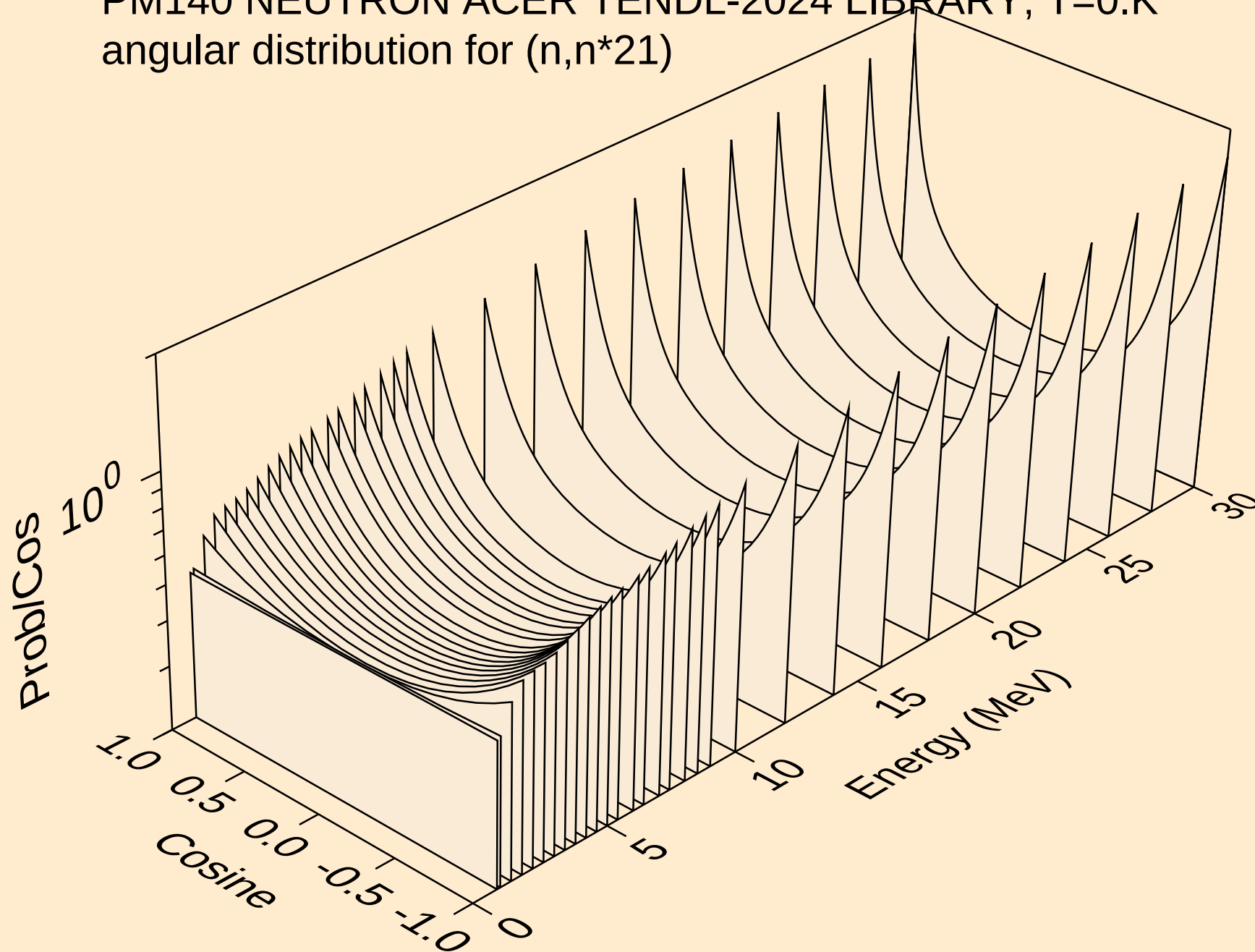
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angular distribution for (n,n\*19)



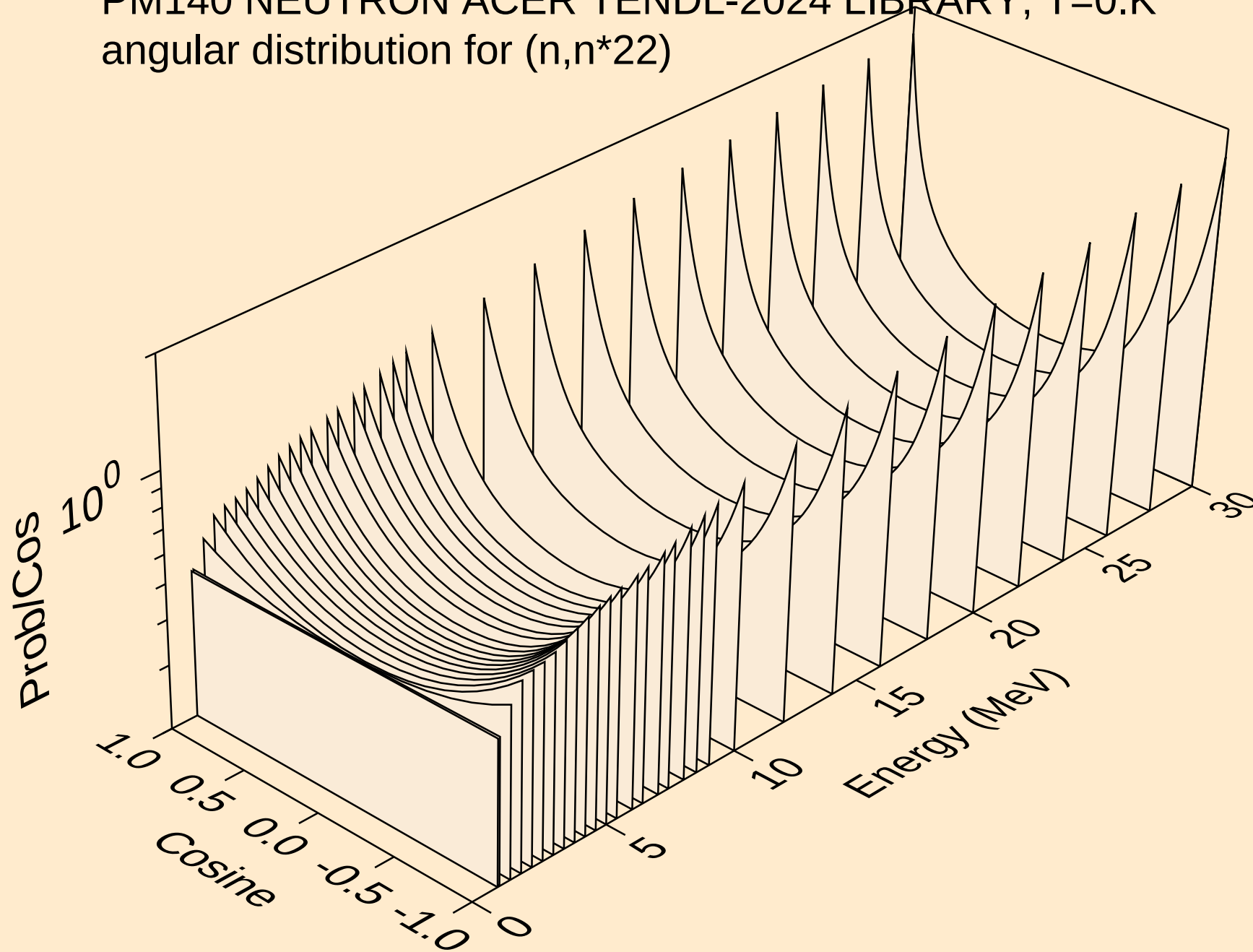
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angular distribution for (n,n\*20)



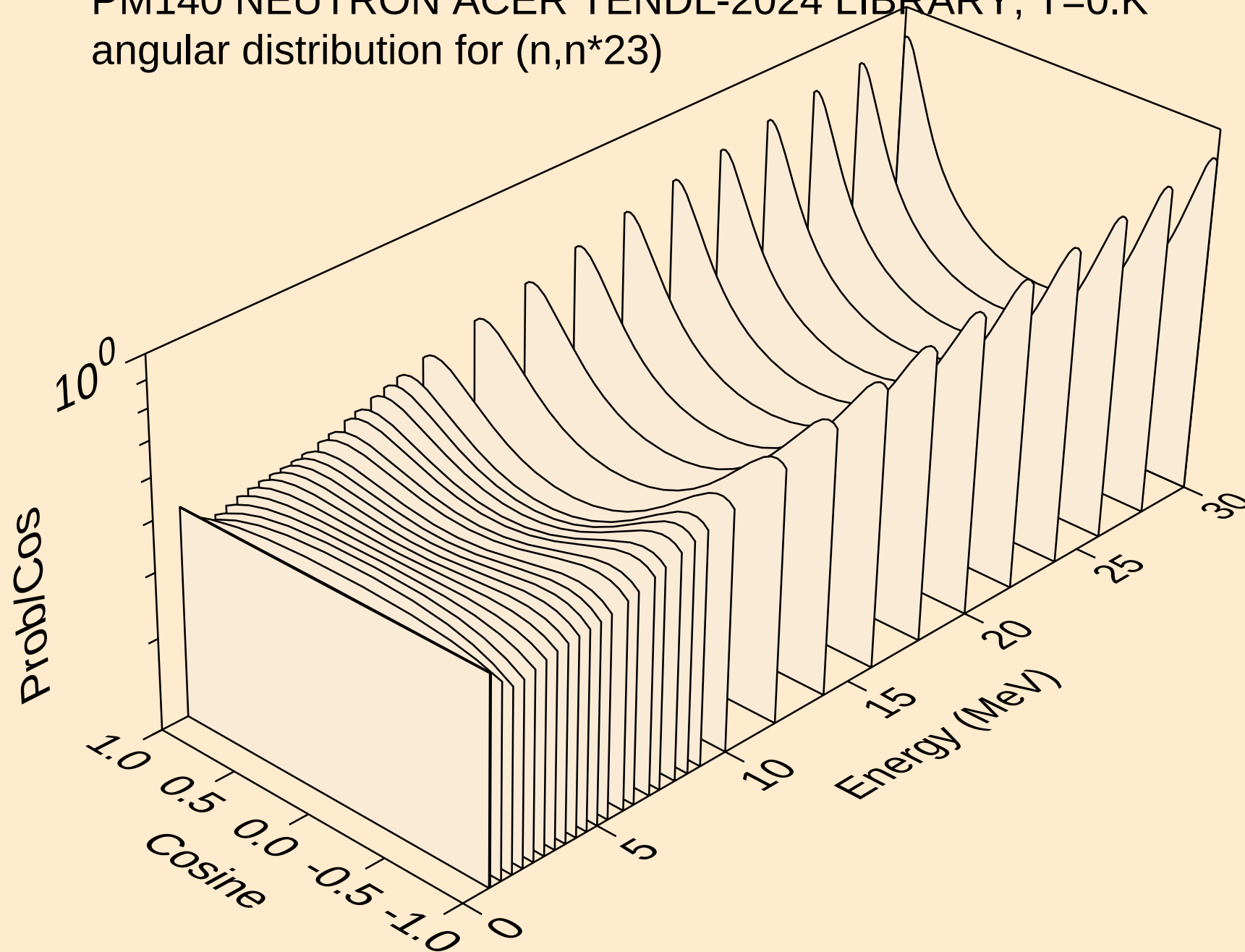
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angular distribution for (n,n\*21)



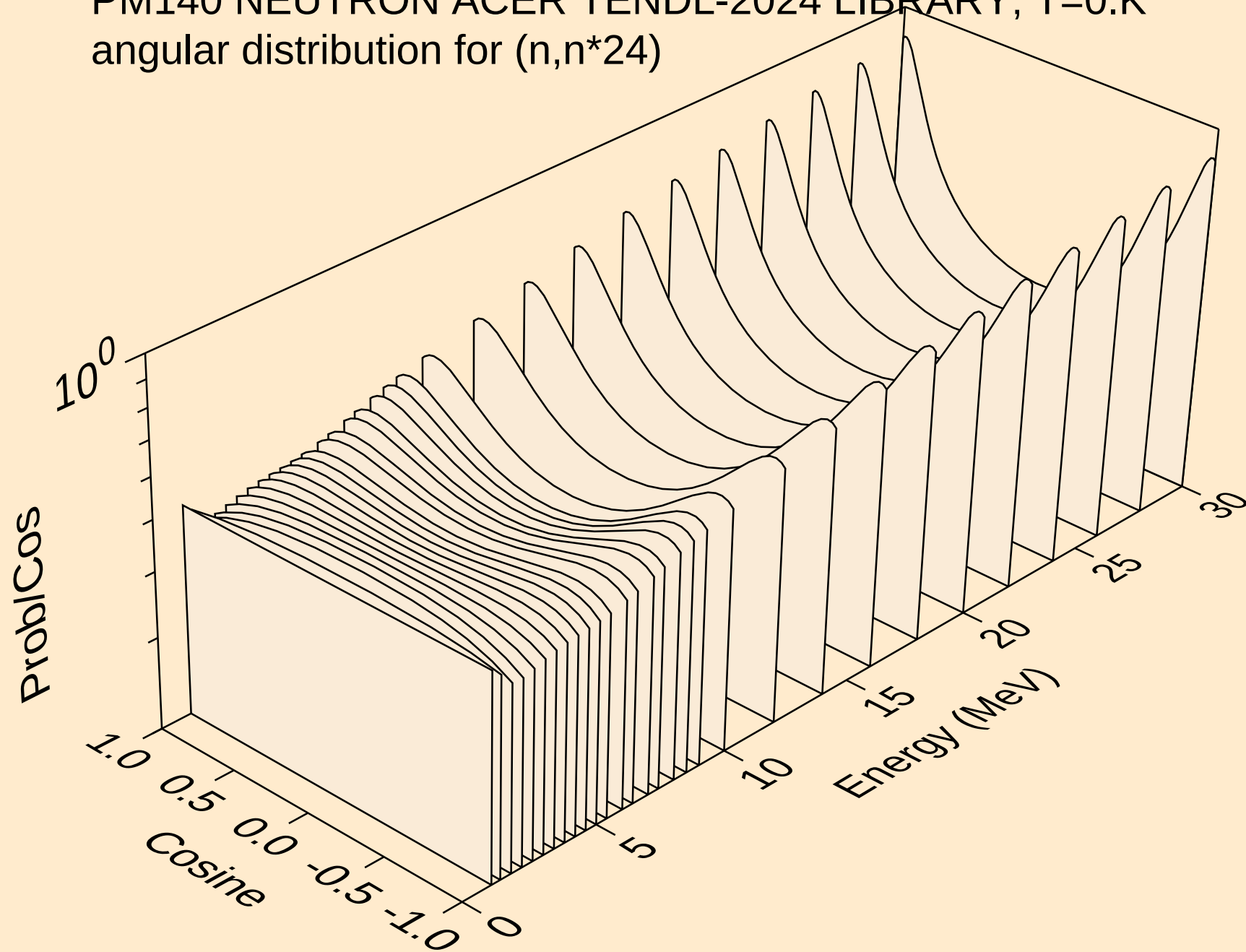
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

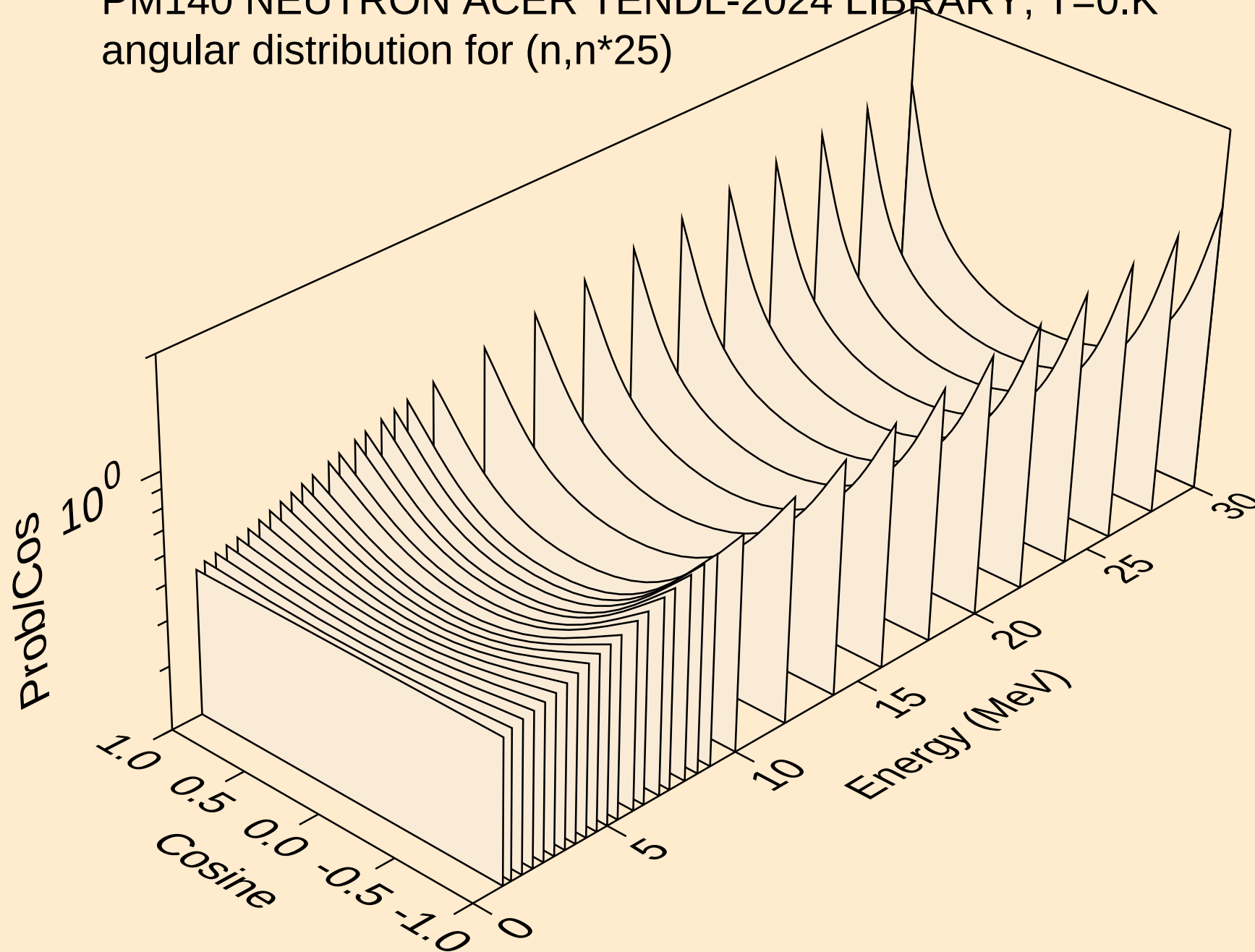


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angular distribution for (n,n\*24)

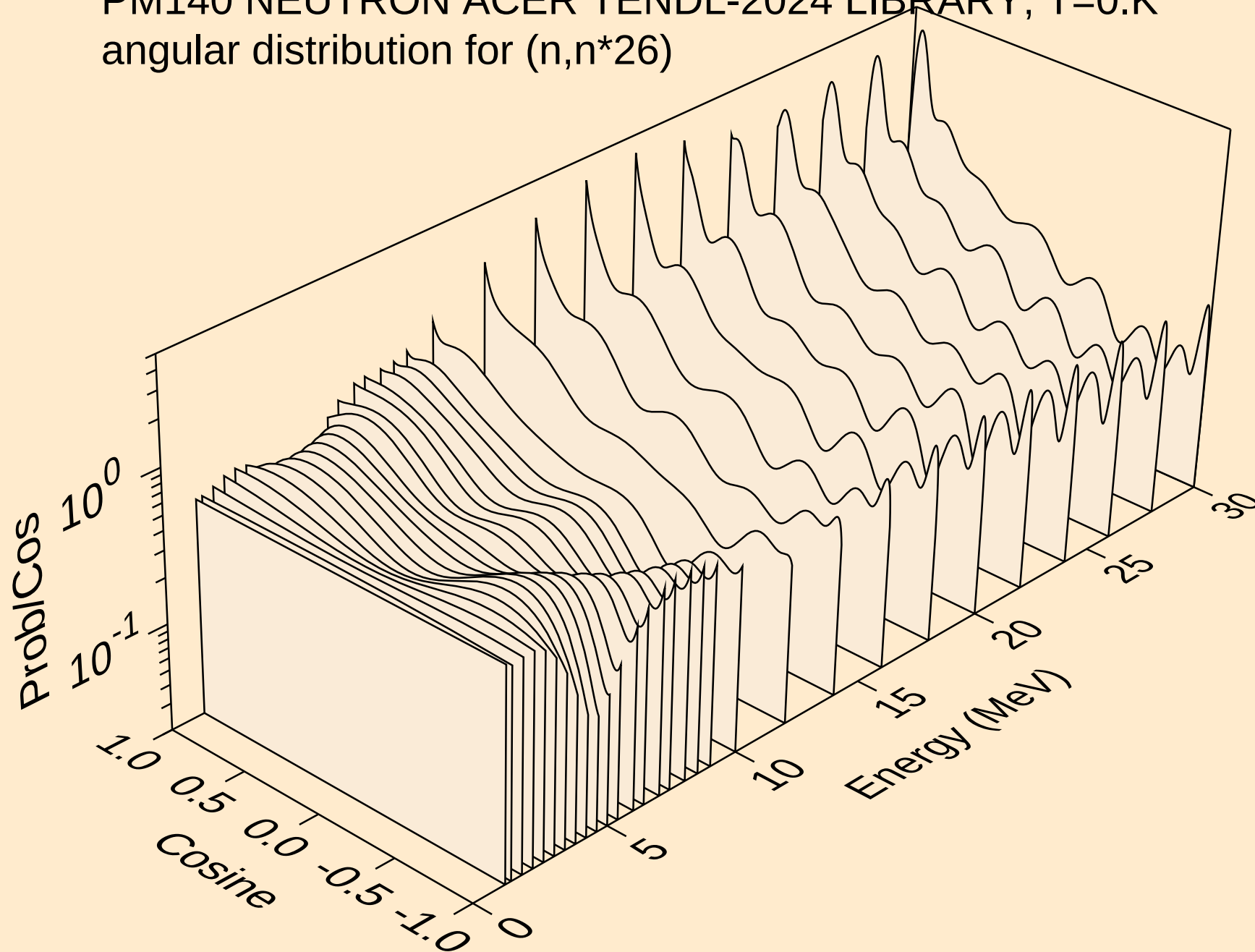




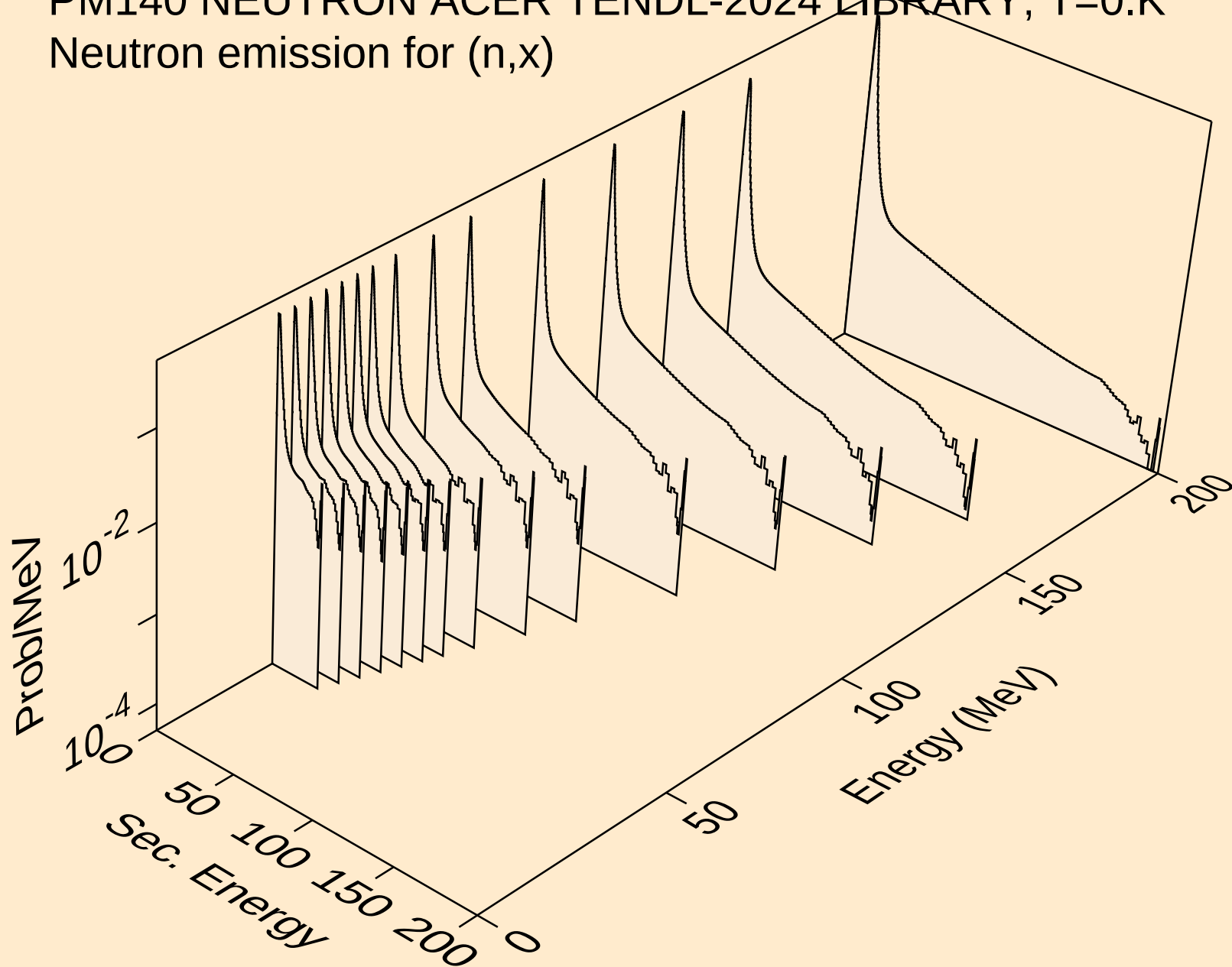
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angular distribution for (n,n\*25)



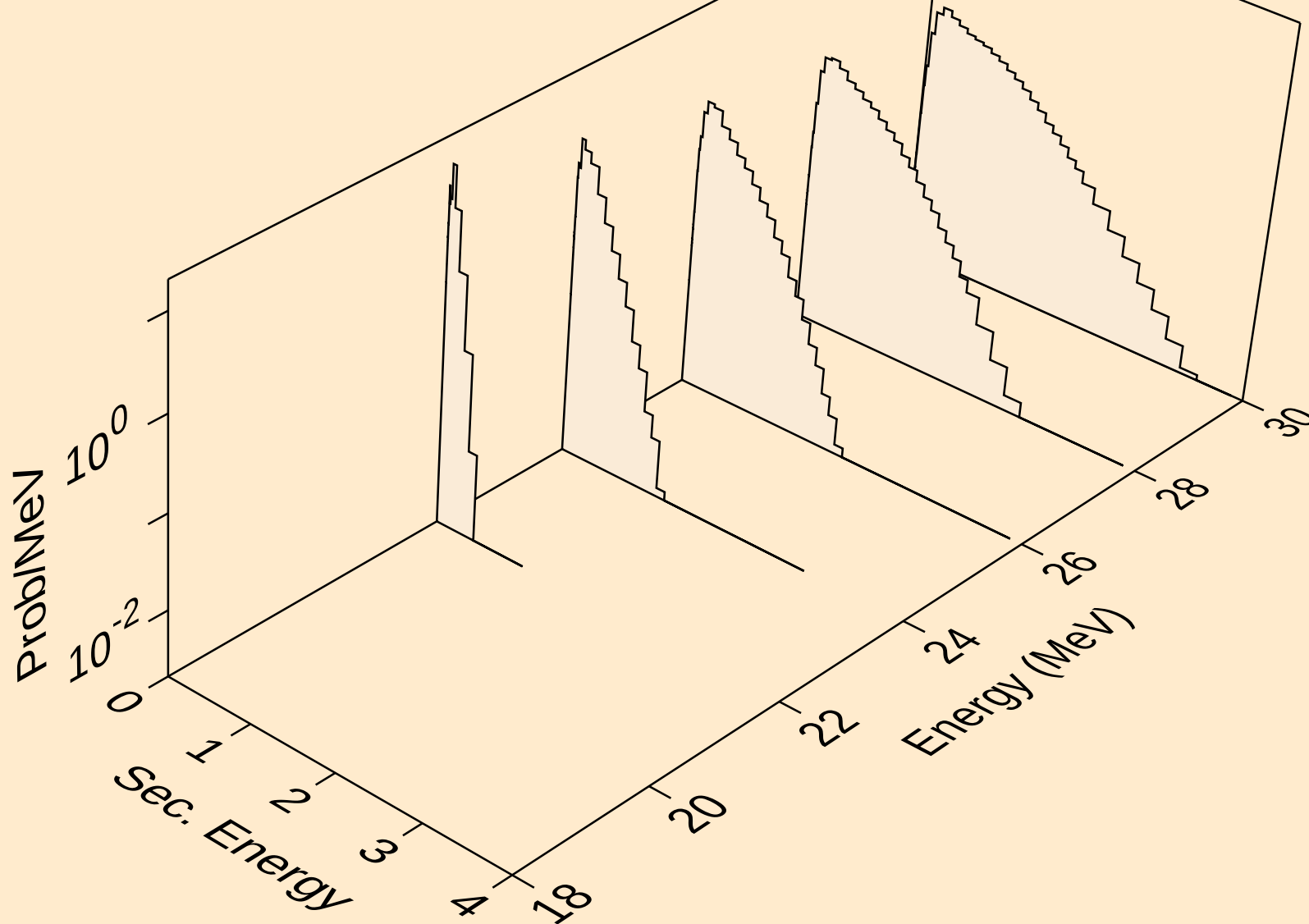
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angular distribution for (n,n\*26)



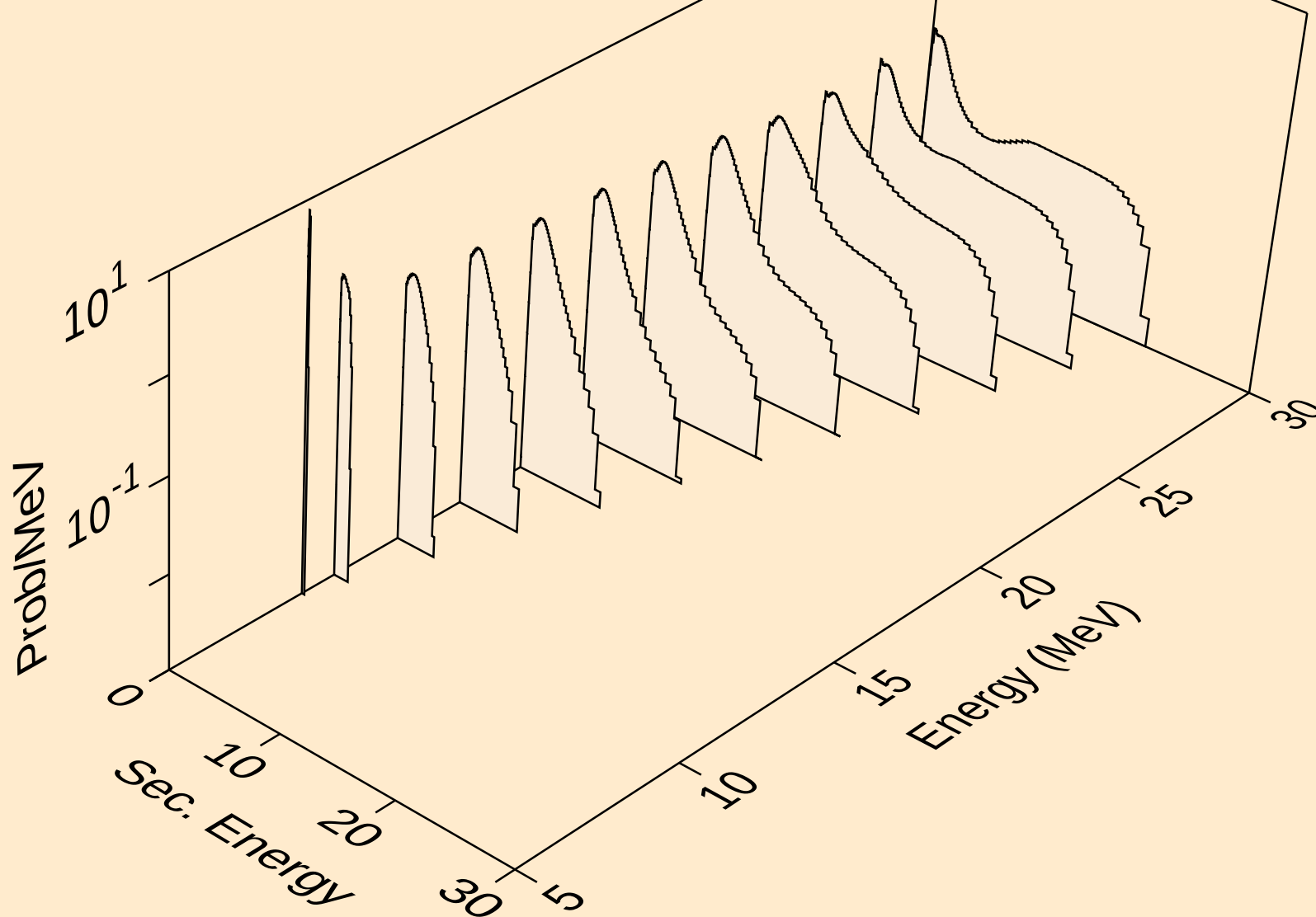
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



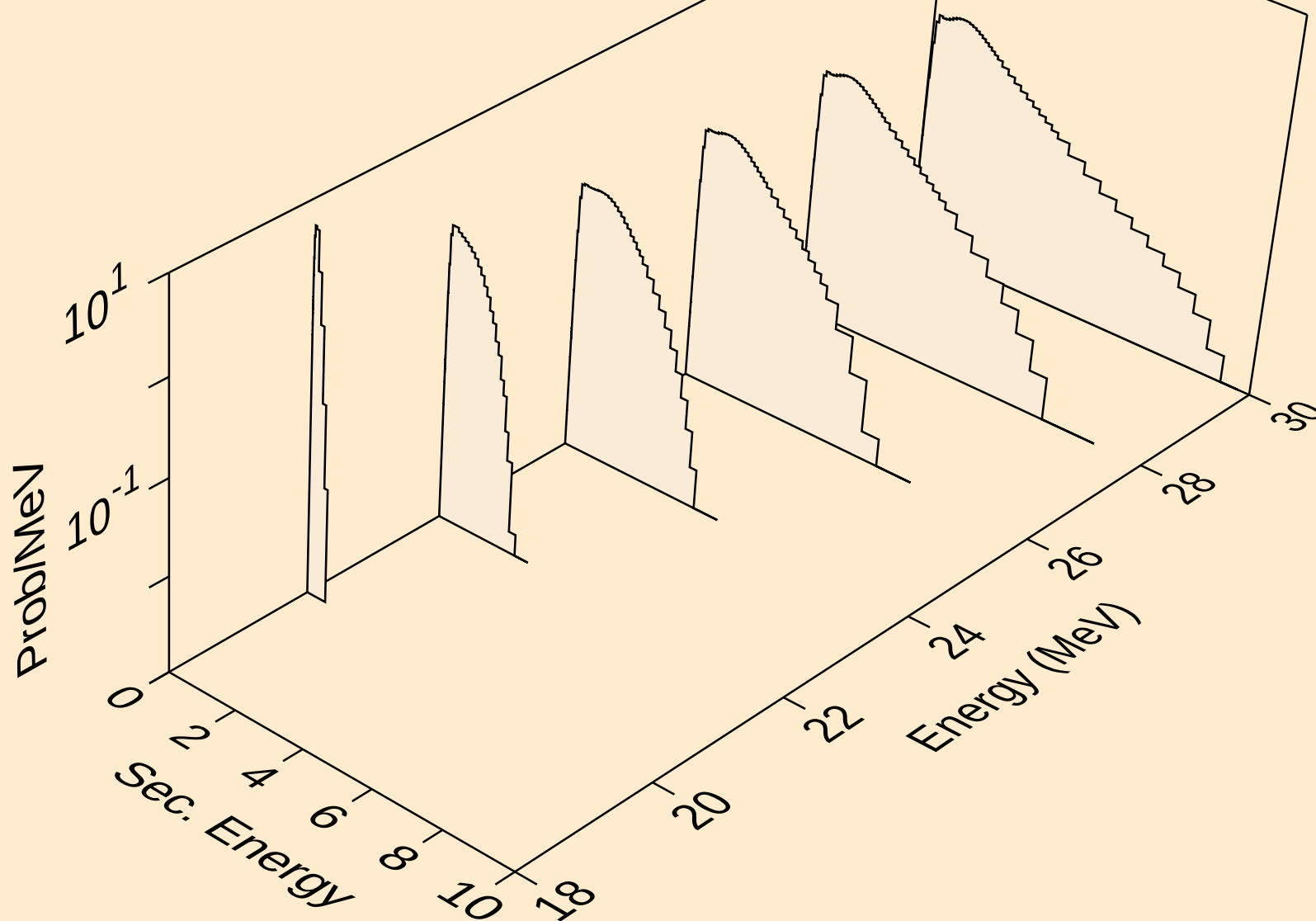
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



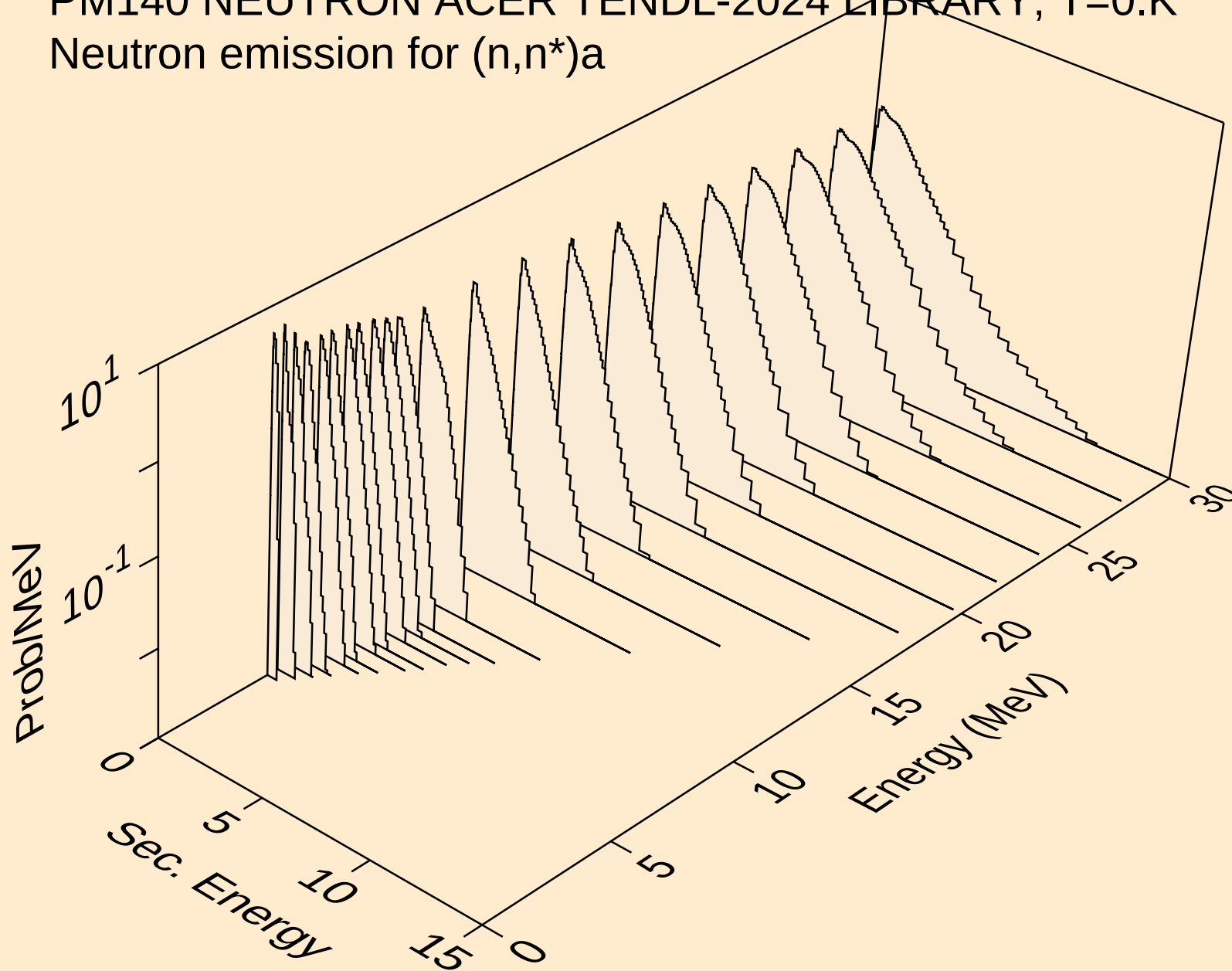
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



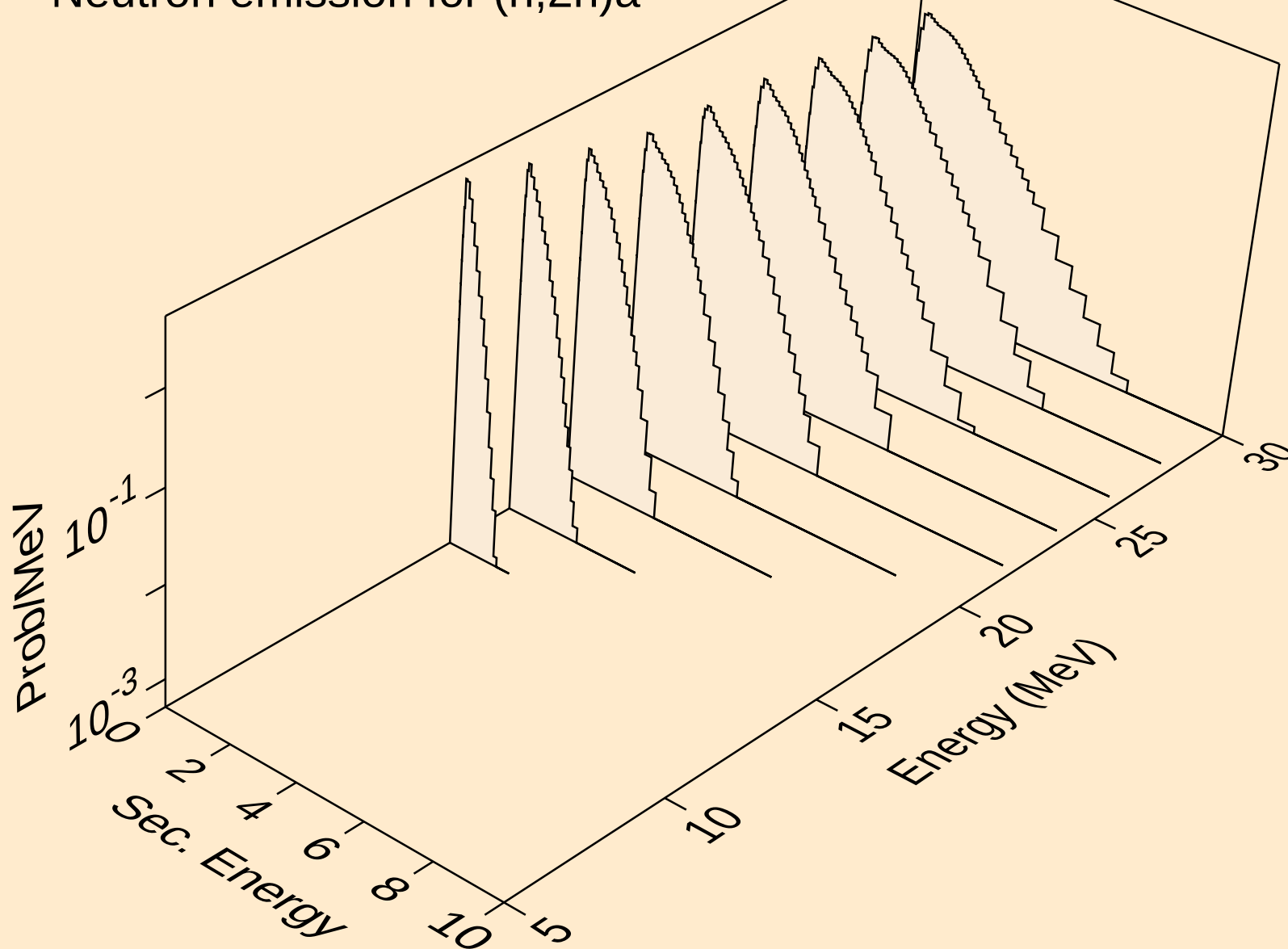
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

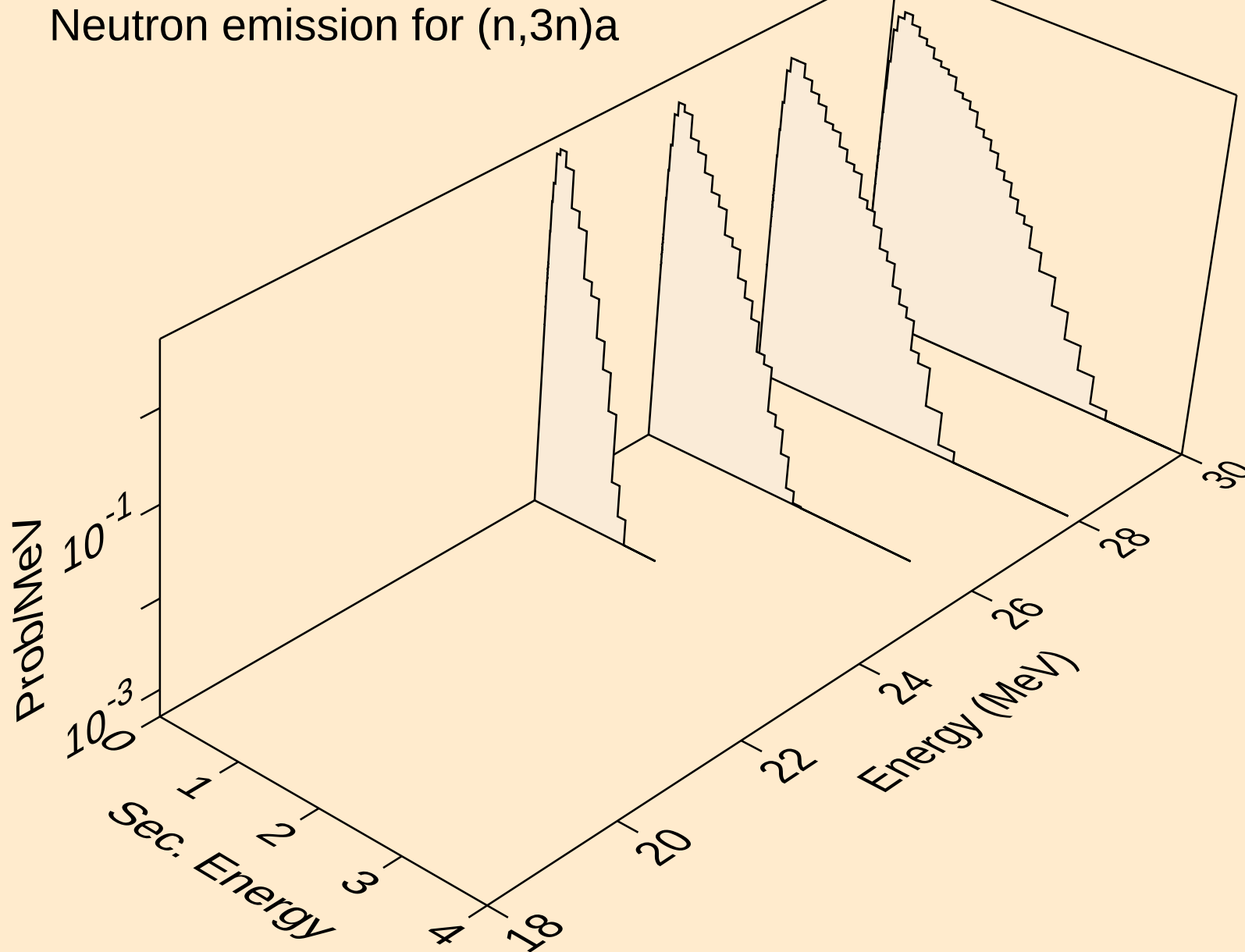


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>

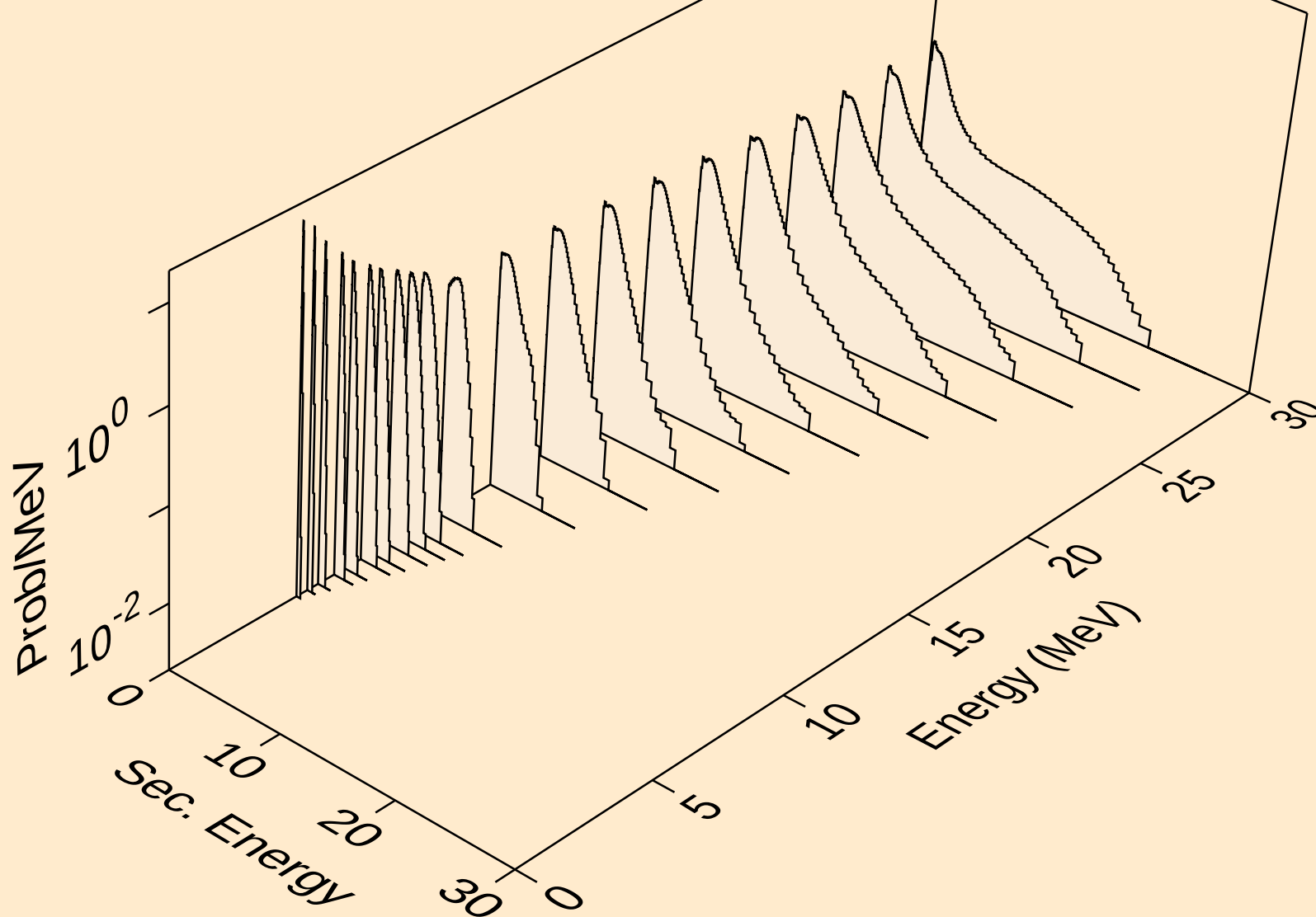




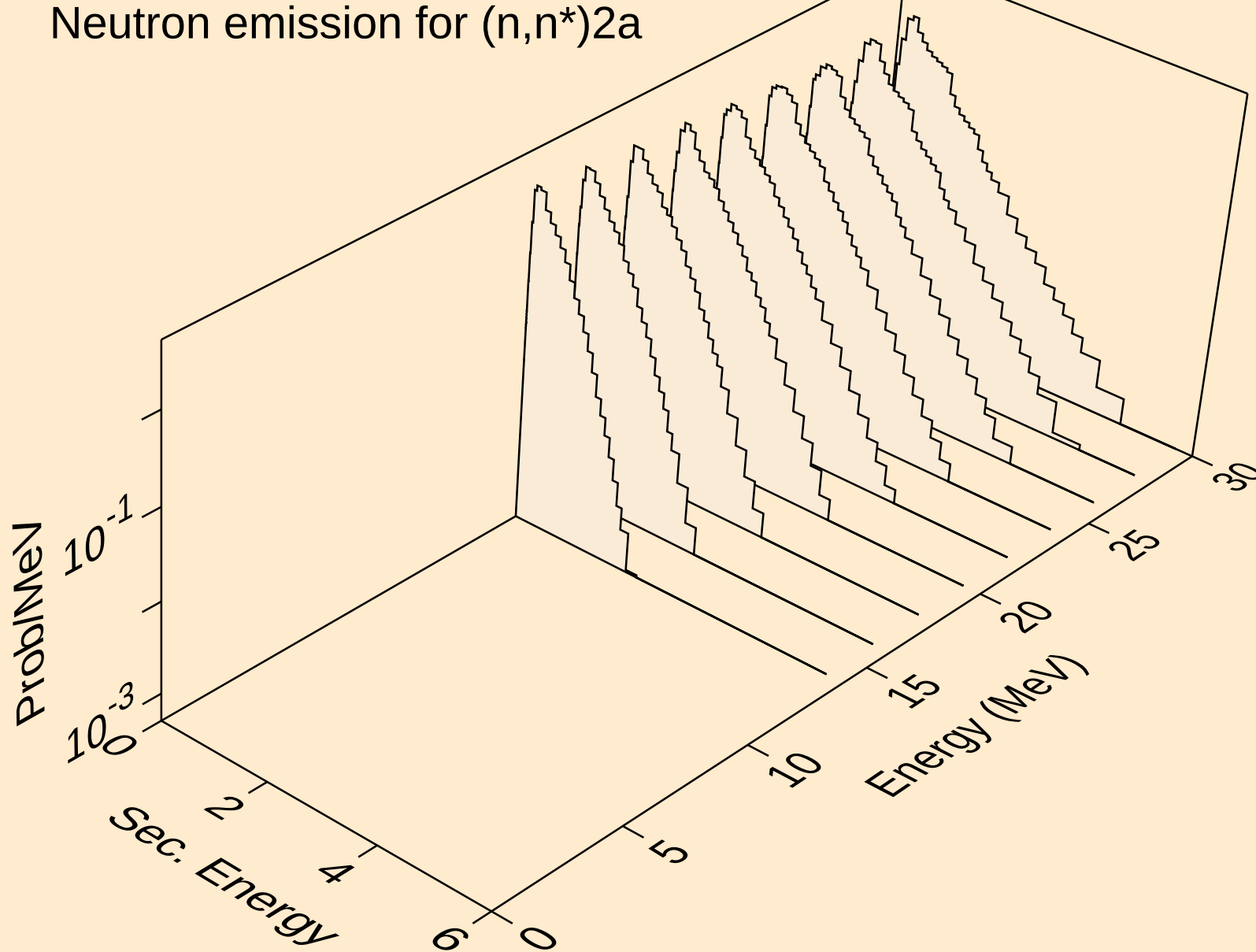
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Neutron emission for (n,3n)a



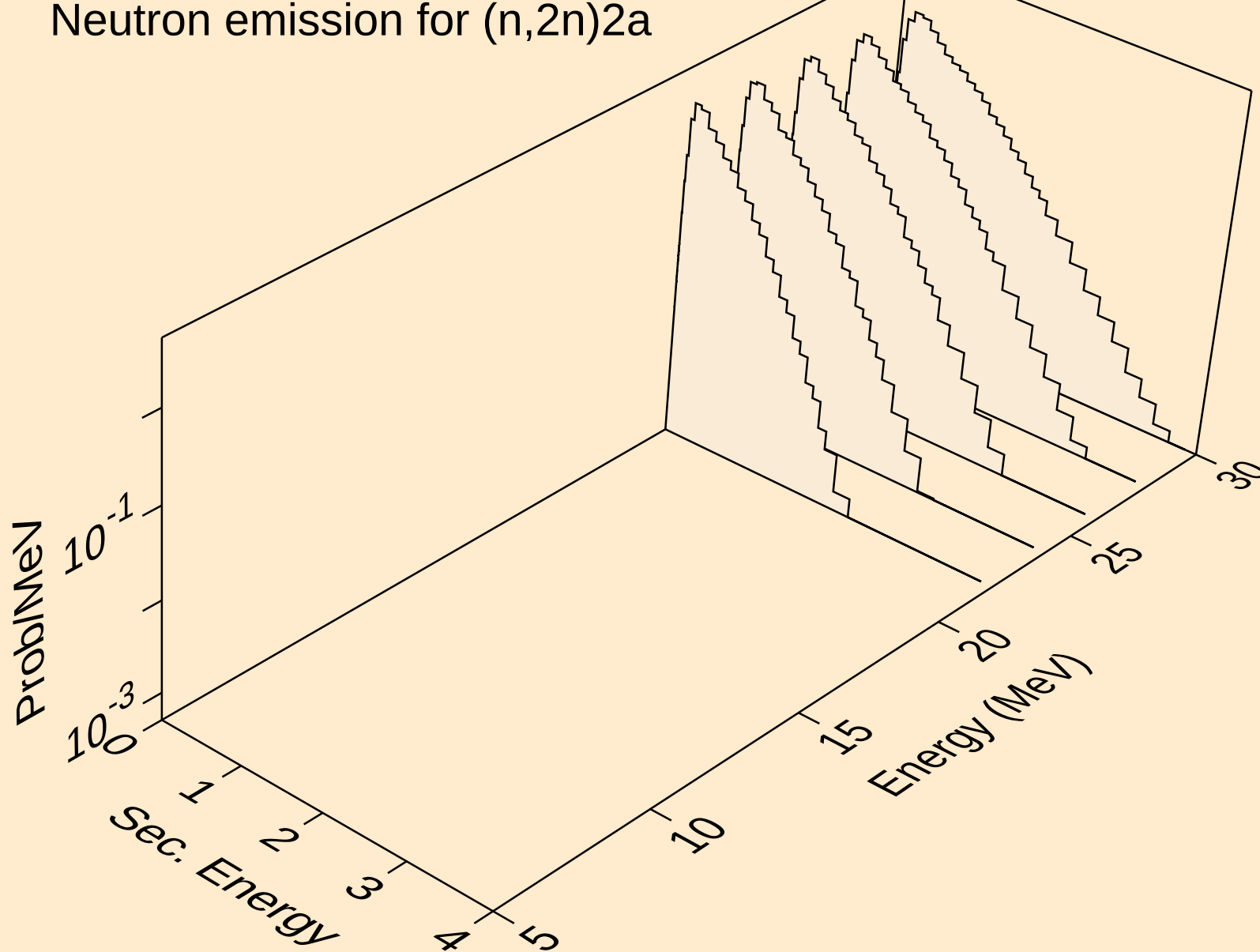
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



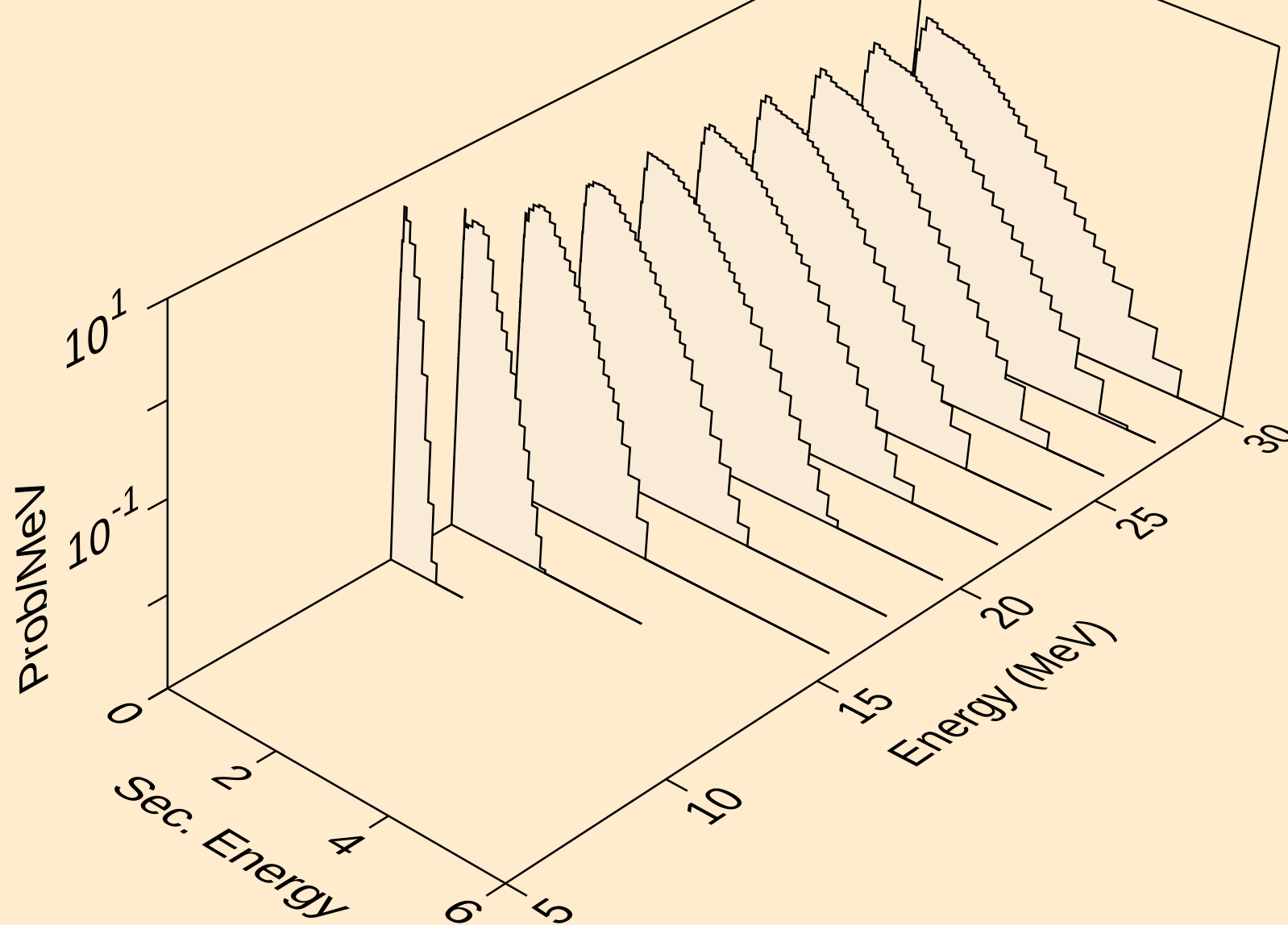
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Neutron emission for (n,n\*)2a



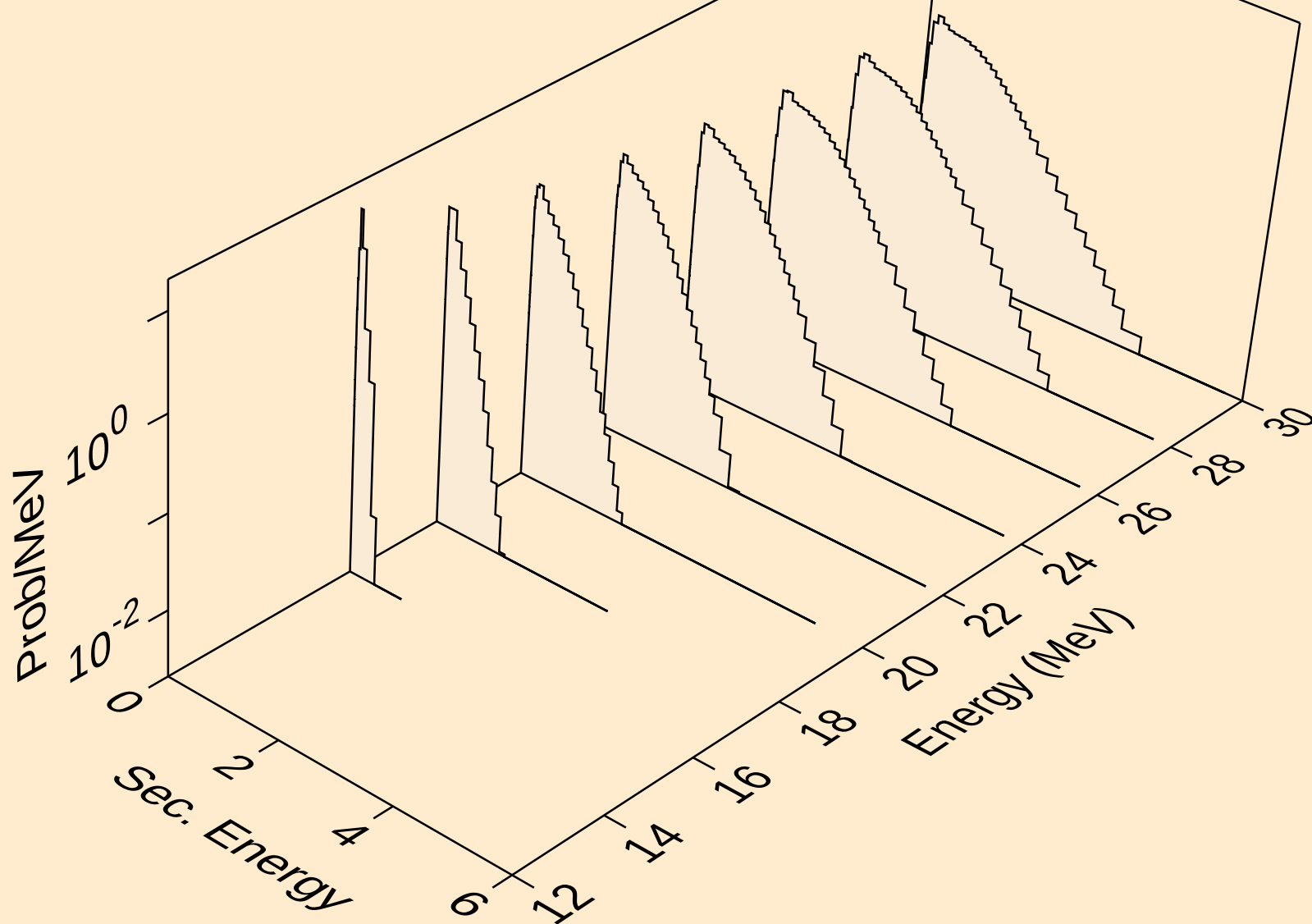
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



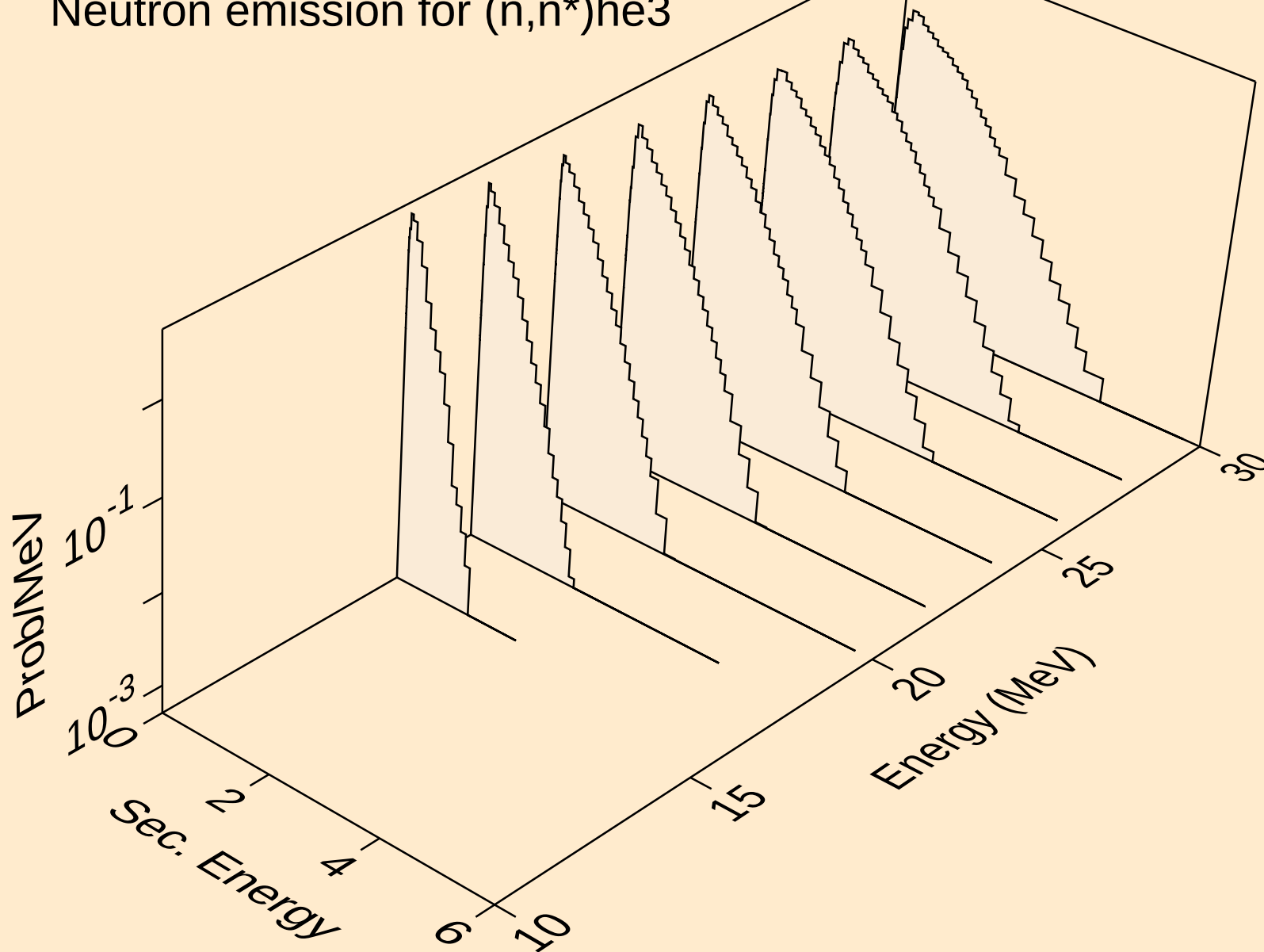
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



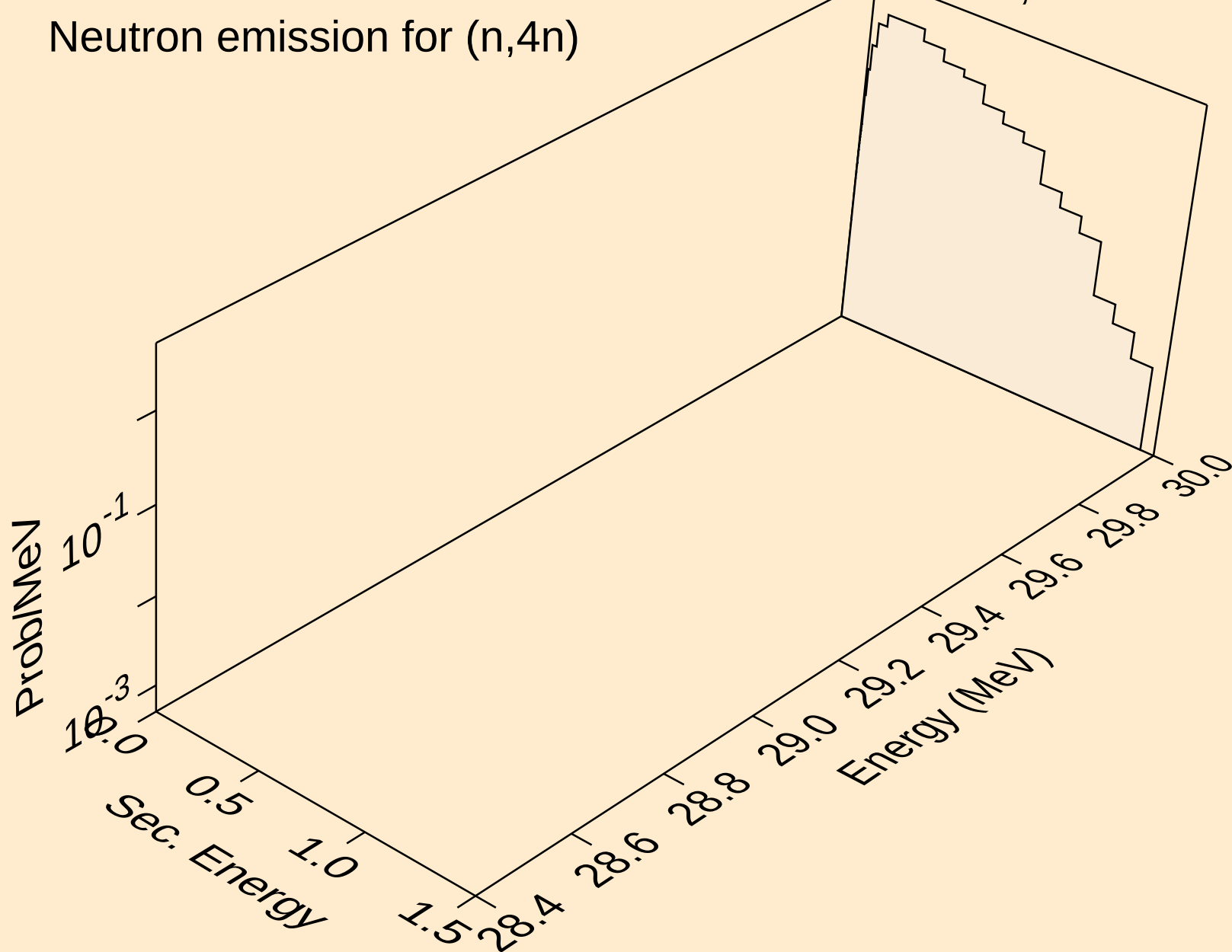
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

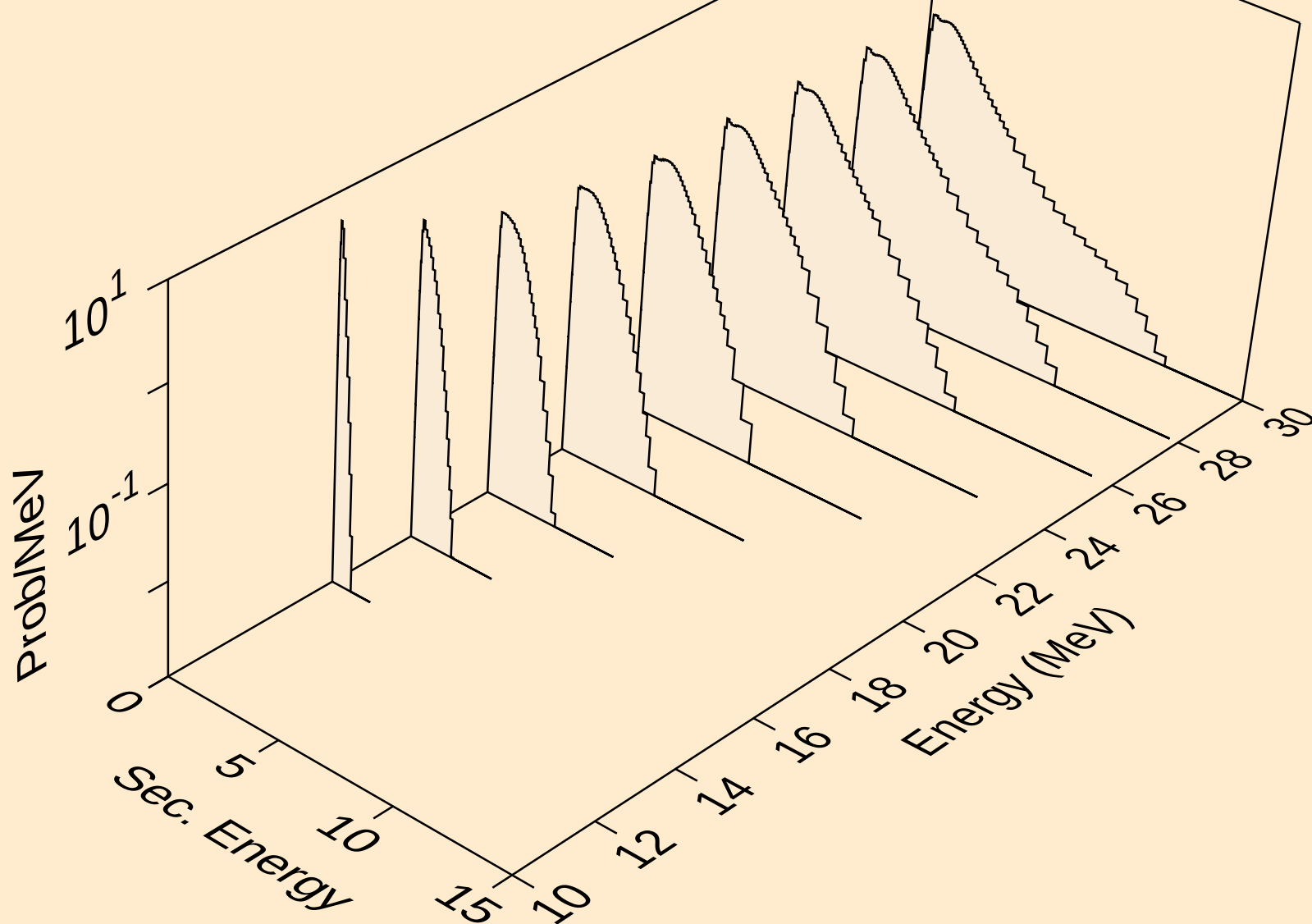


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

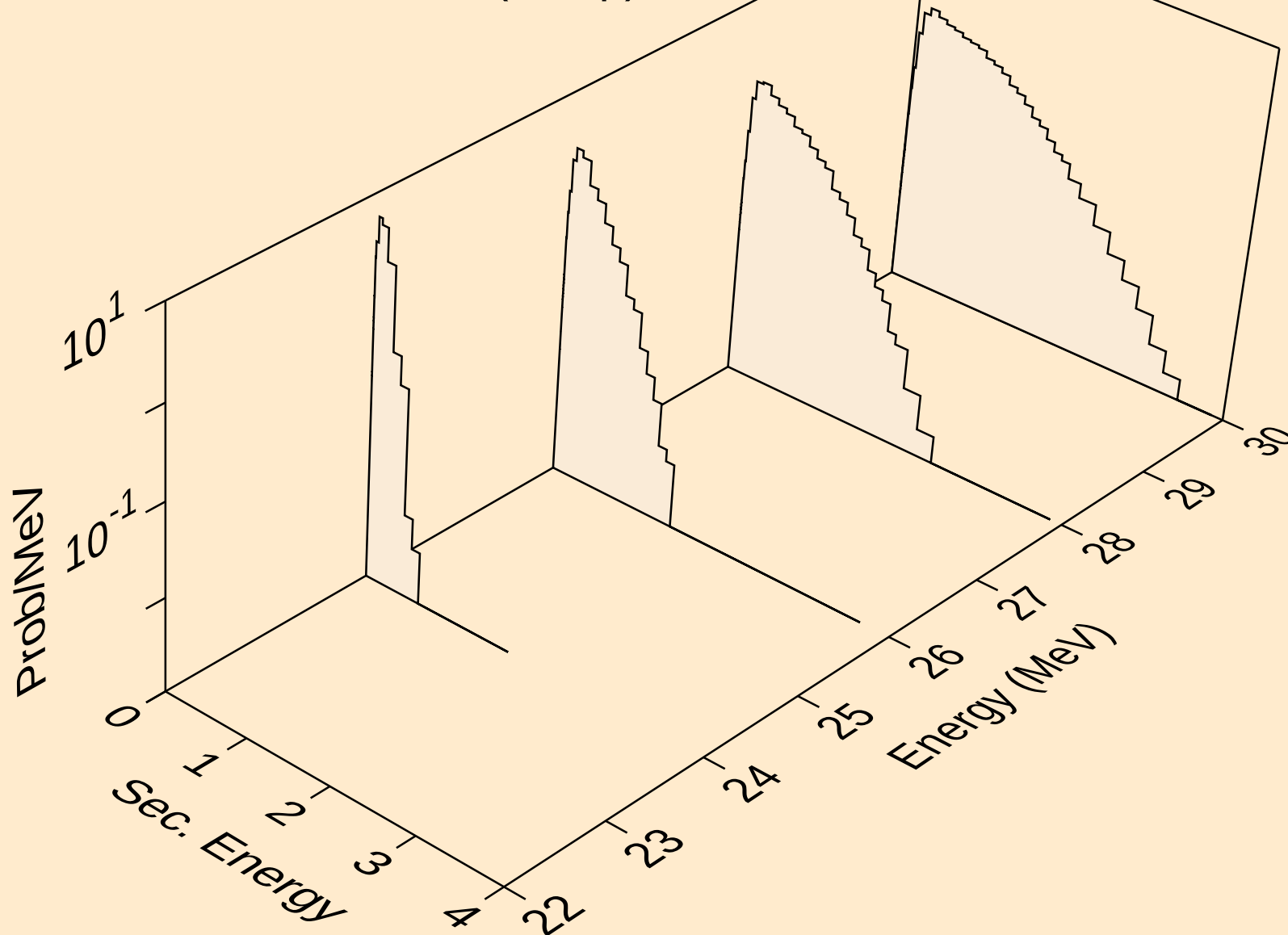




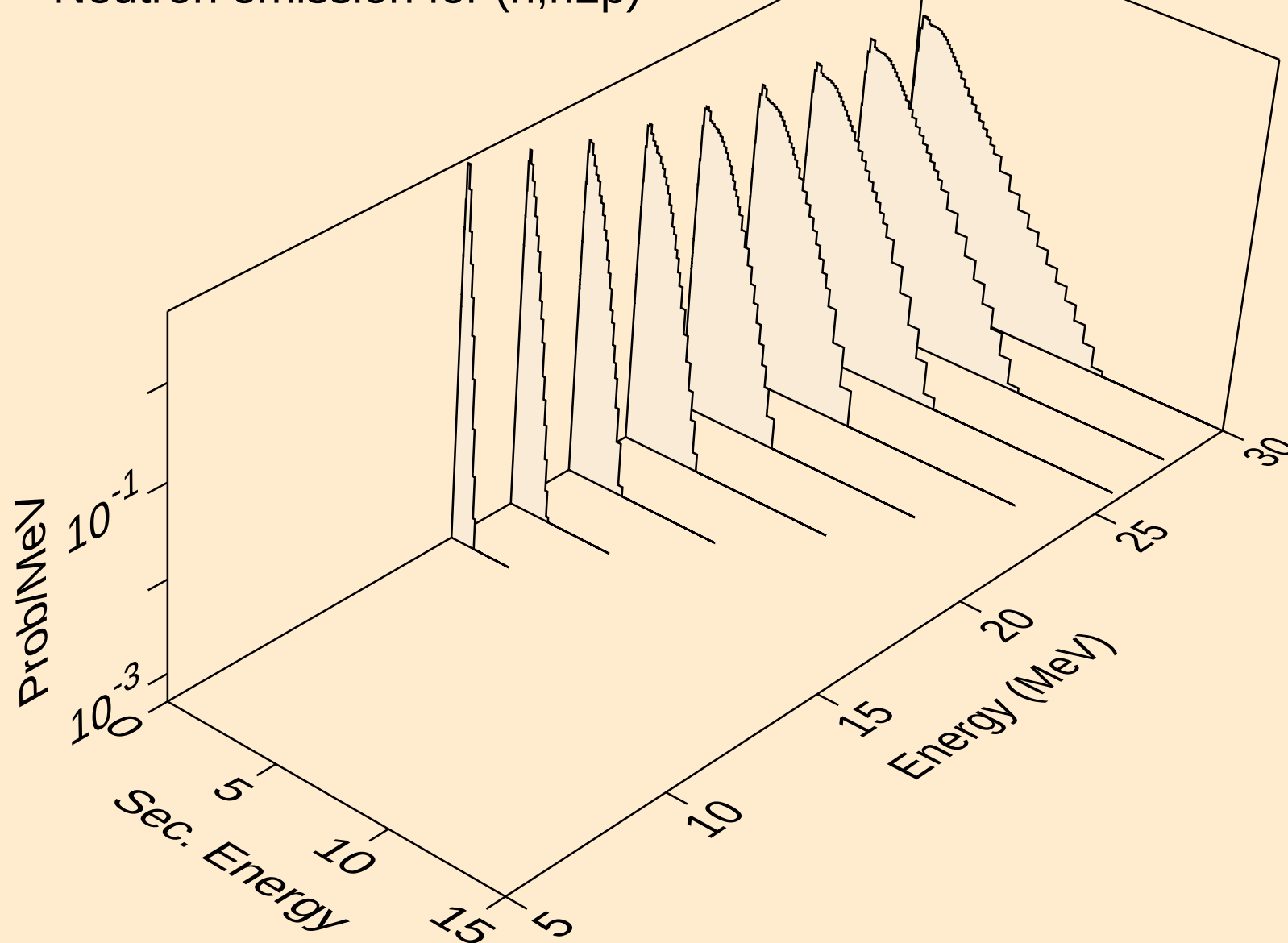
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



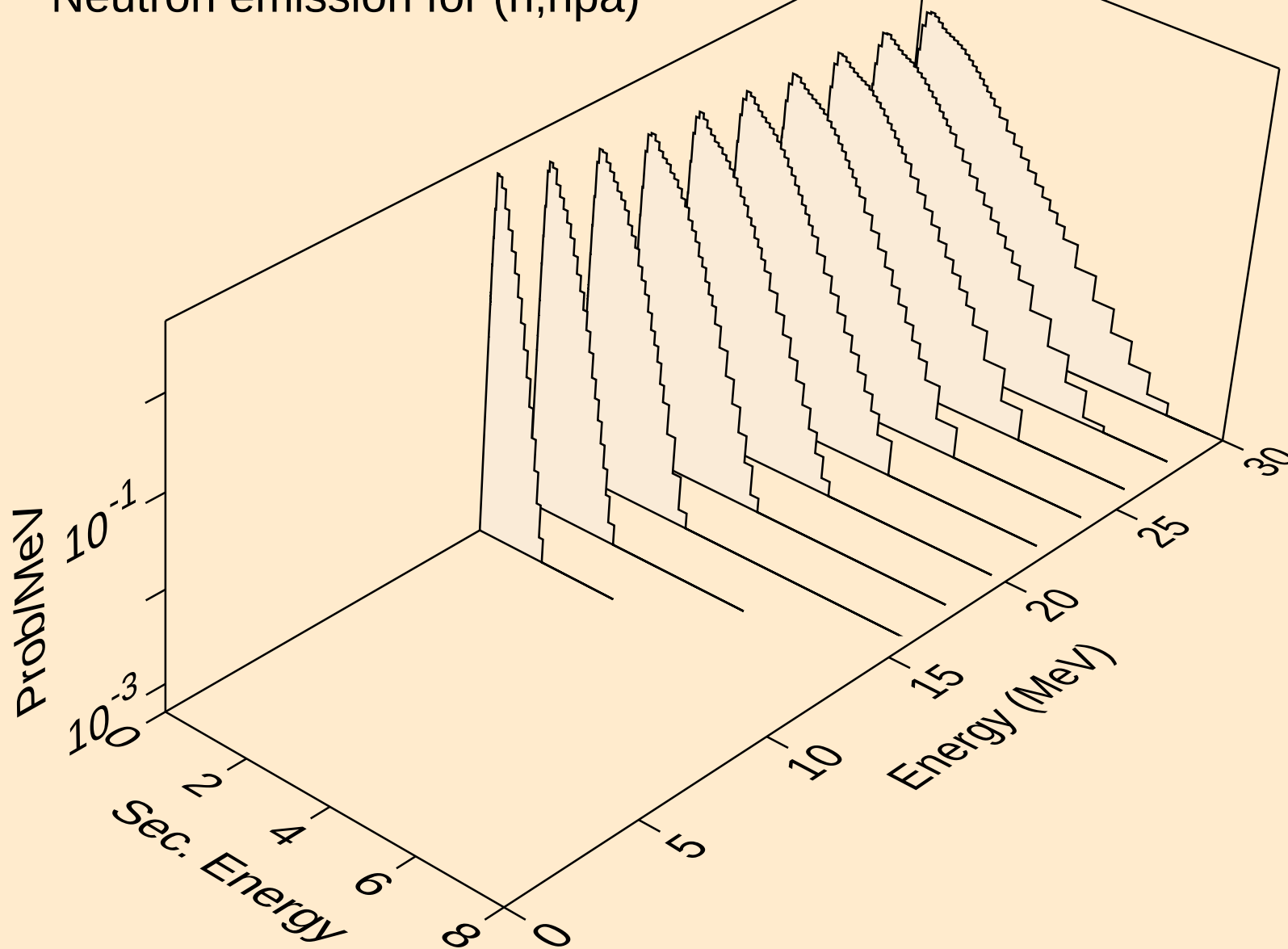
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



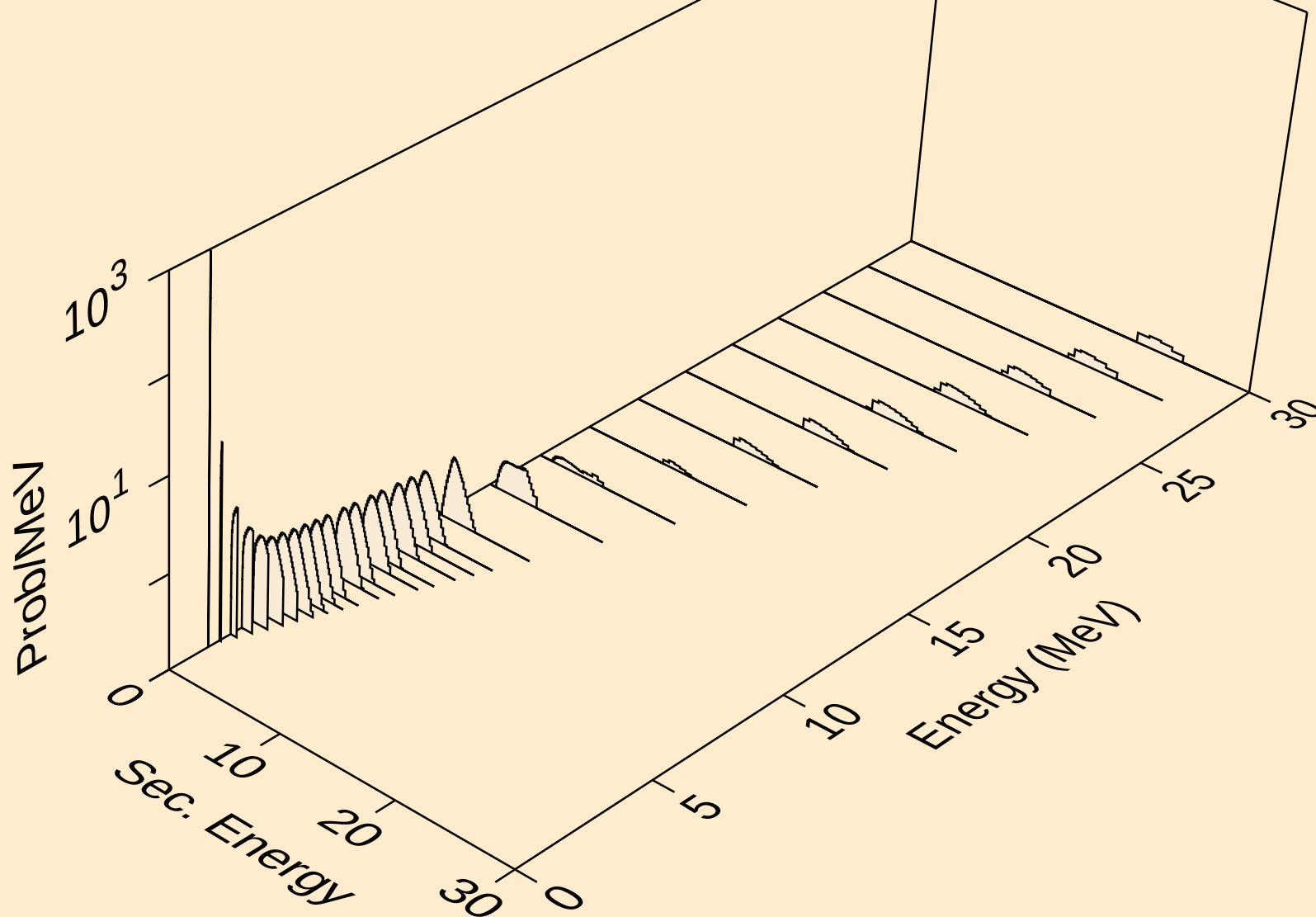
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Neutron emission for (n,n2p)



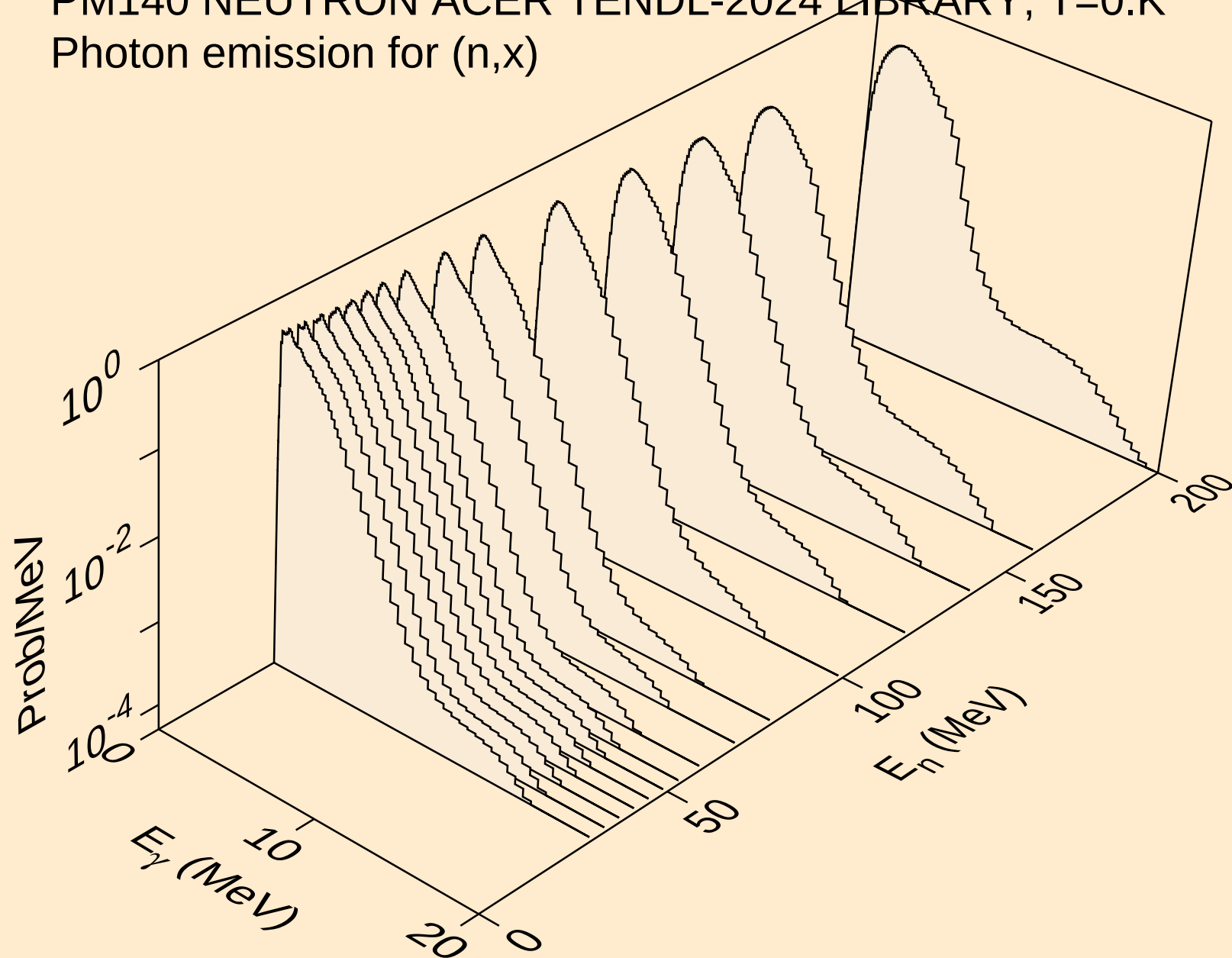
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



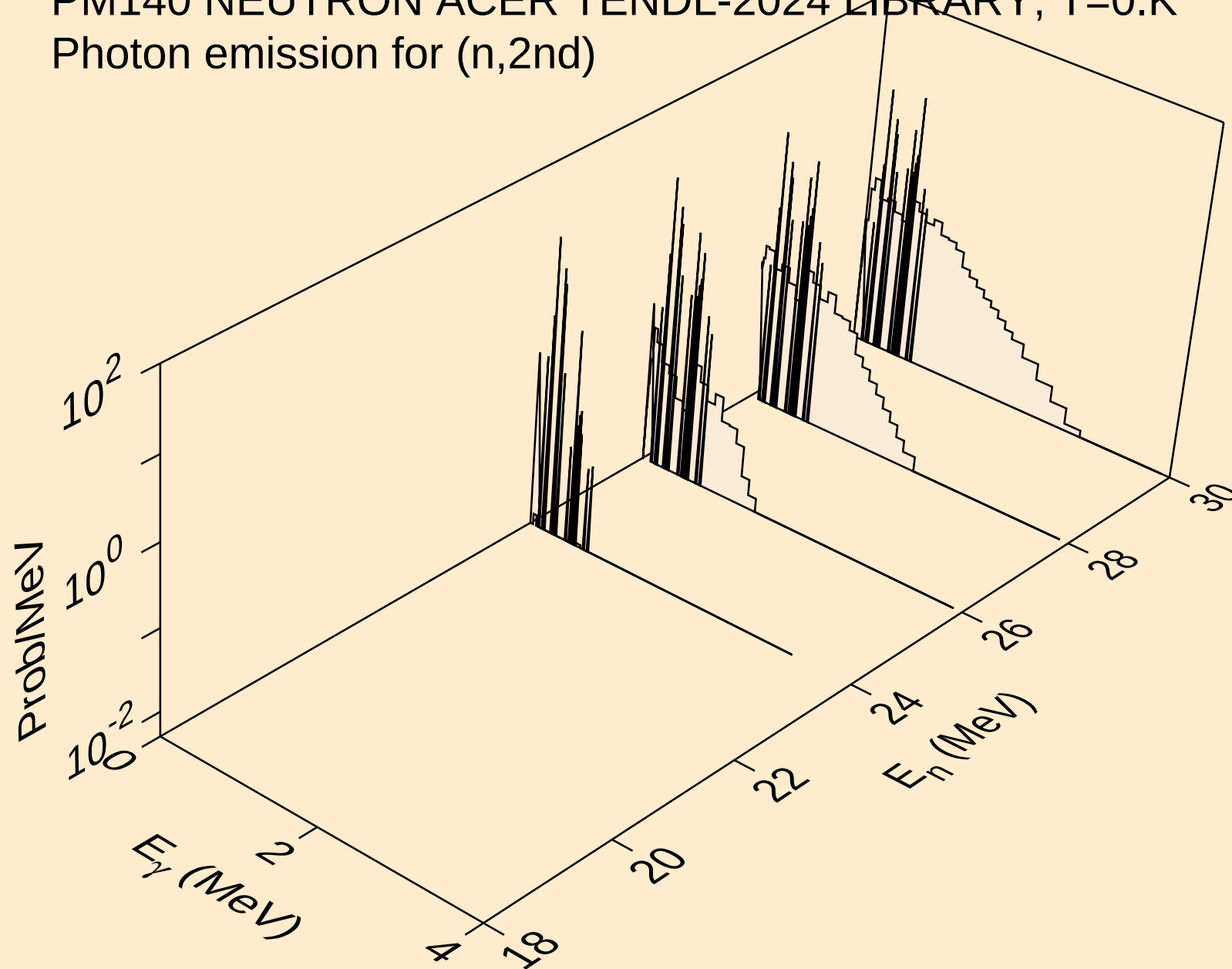
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



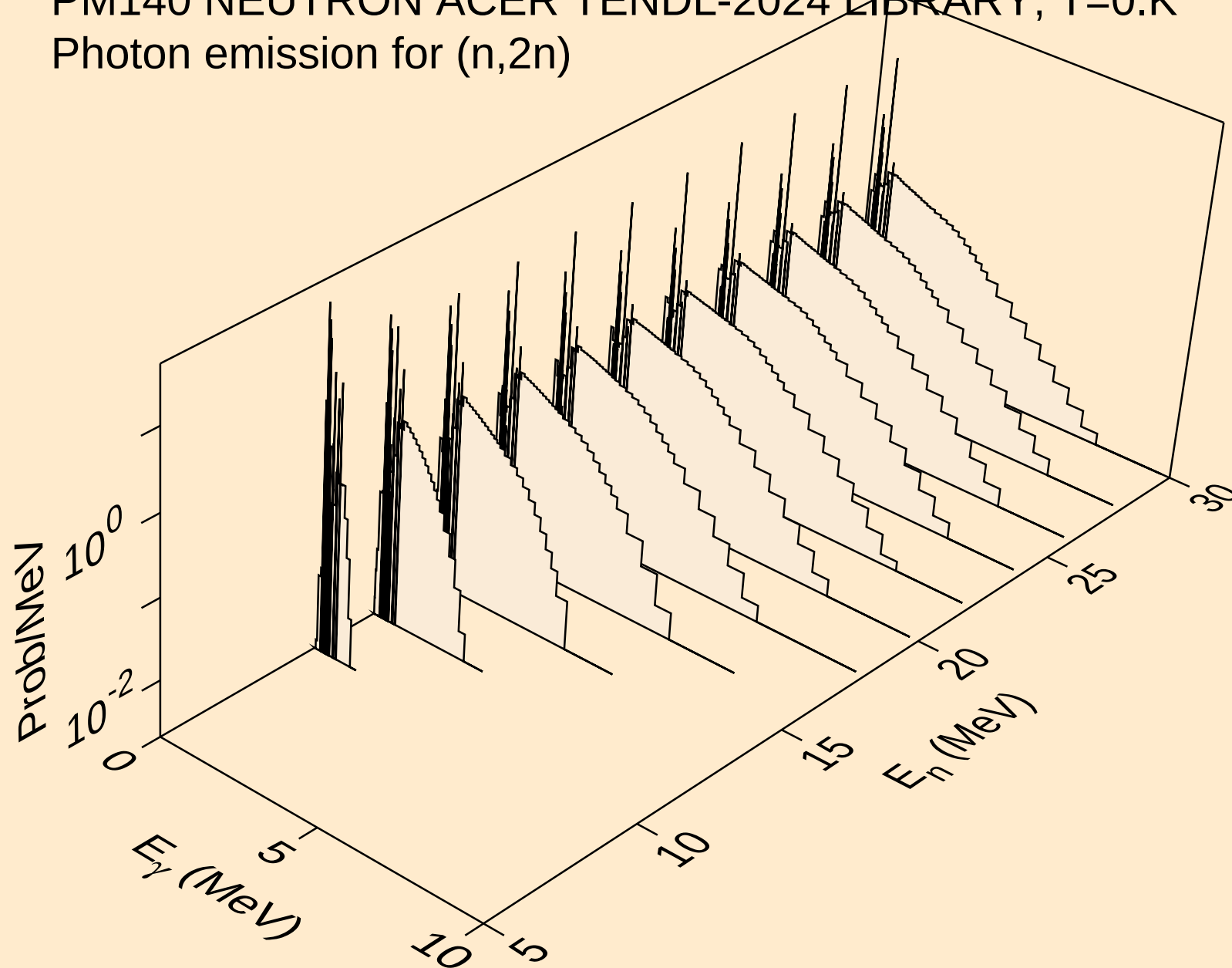
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

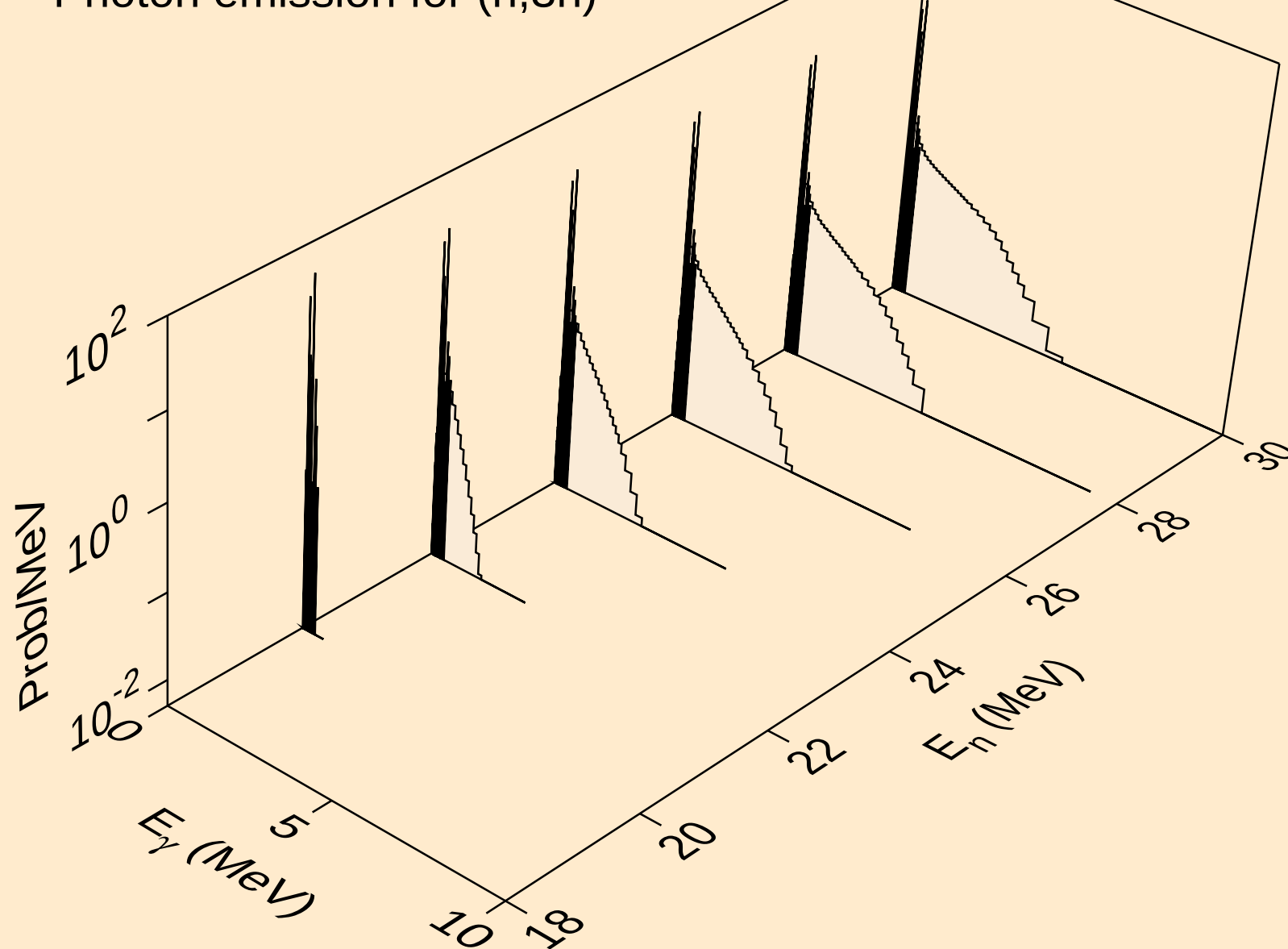


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

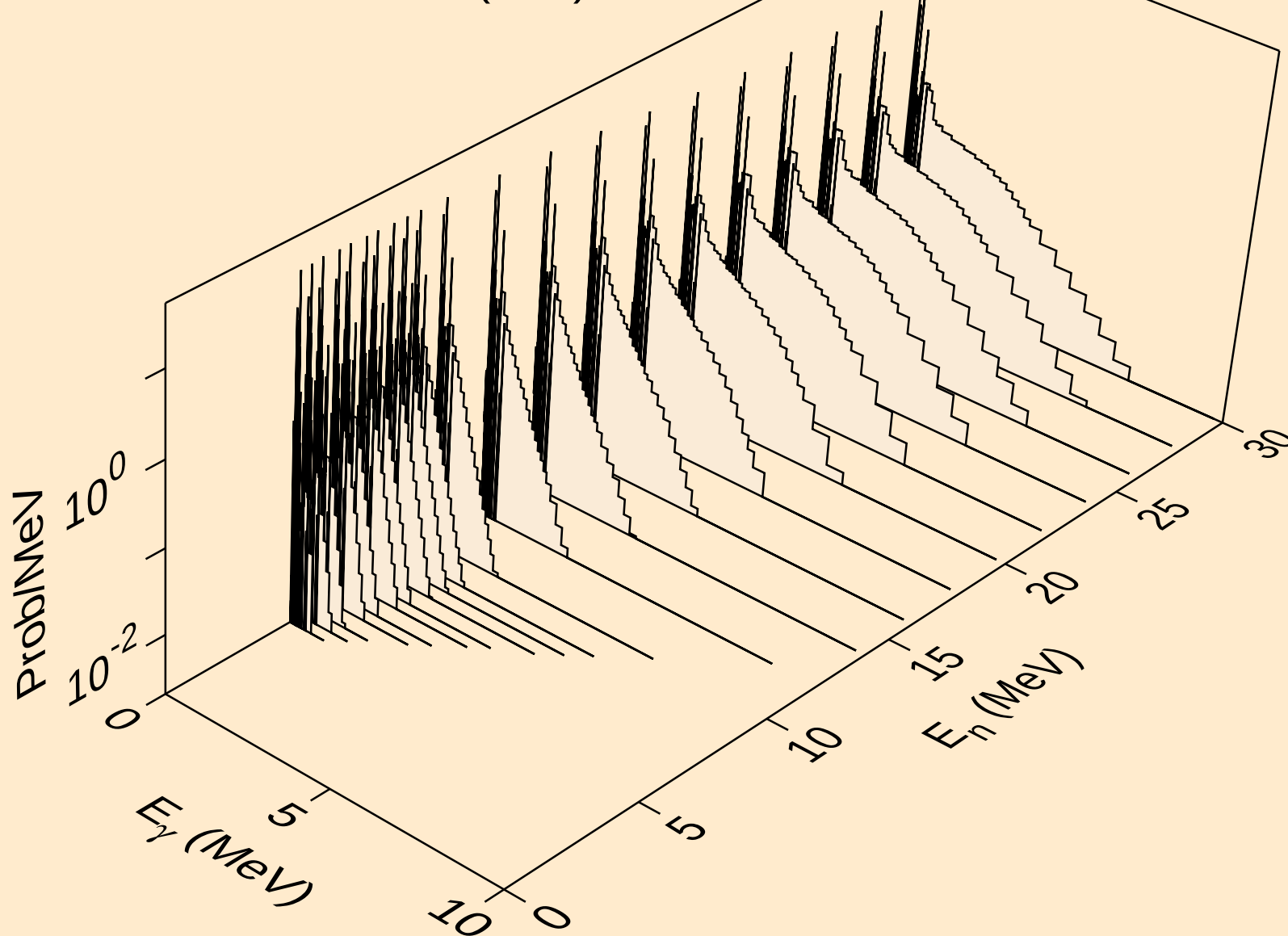




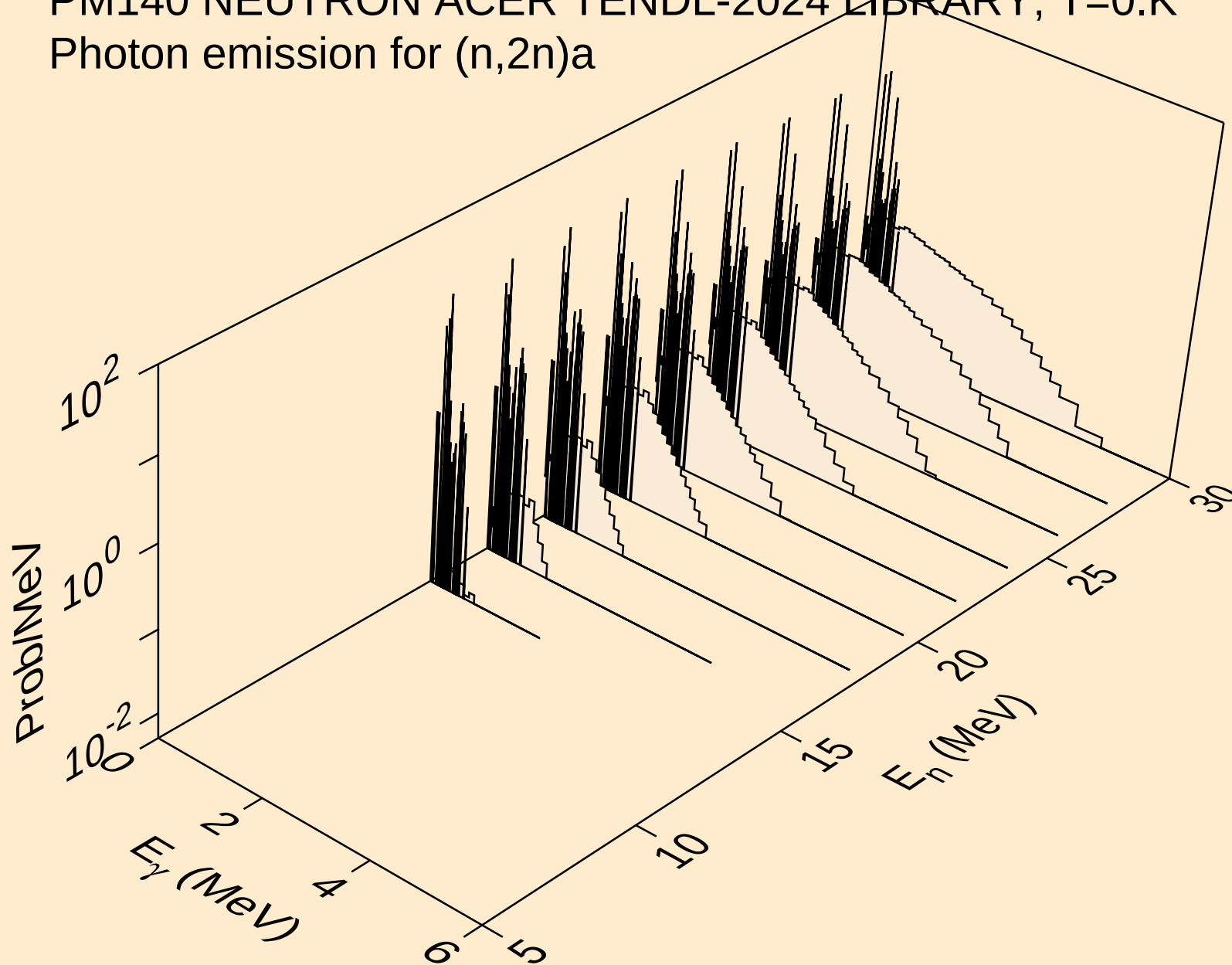
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Photon emission for (n,3n)



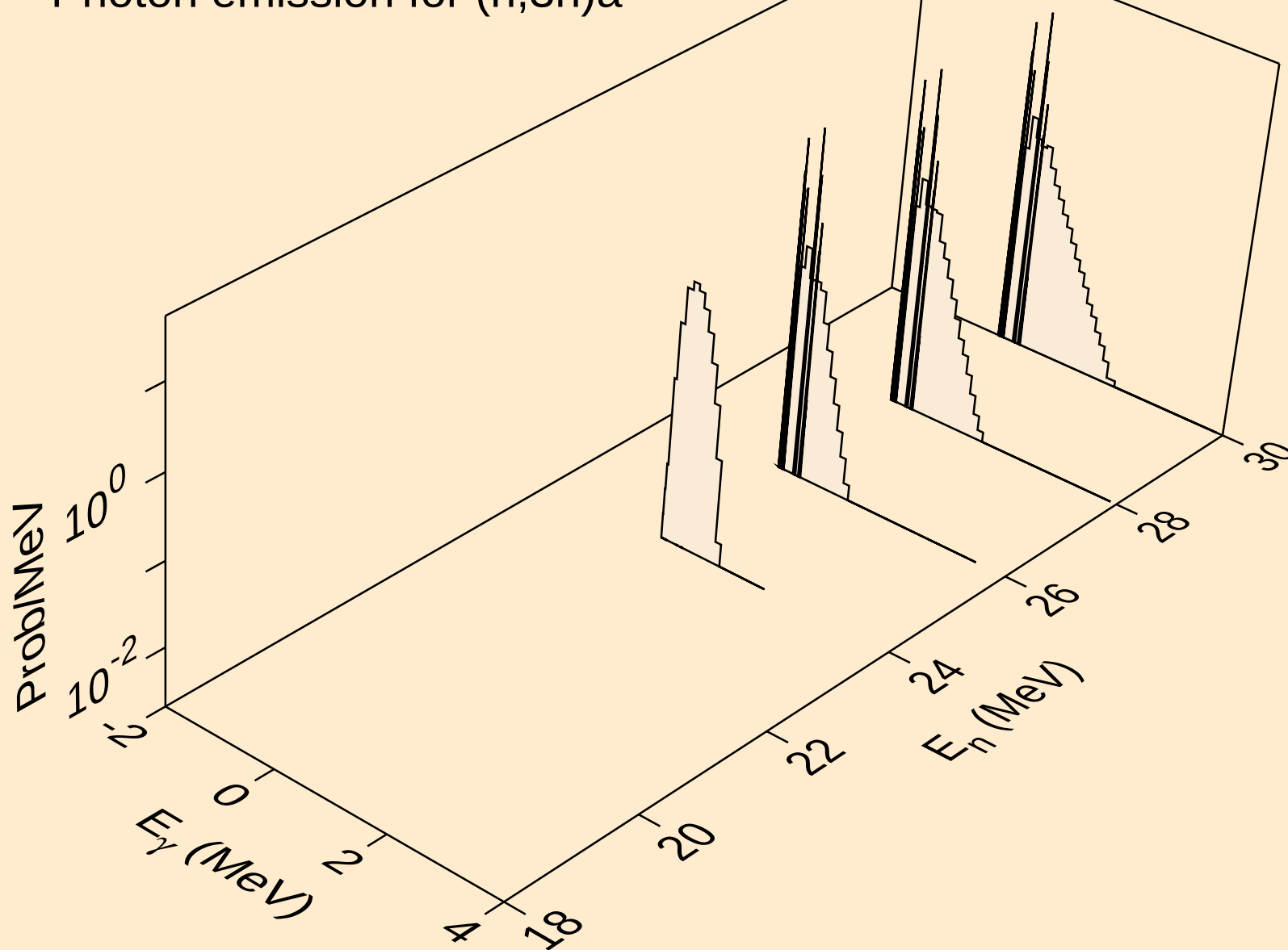
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Photon emission for  $(n,n^*)a$



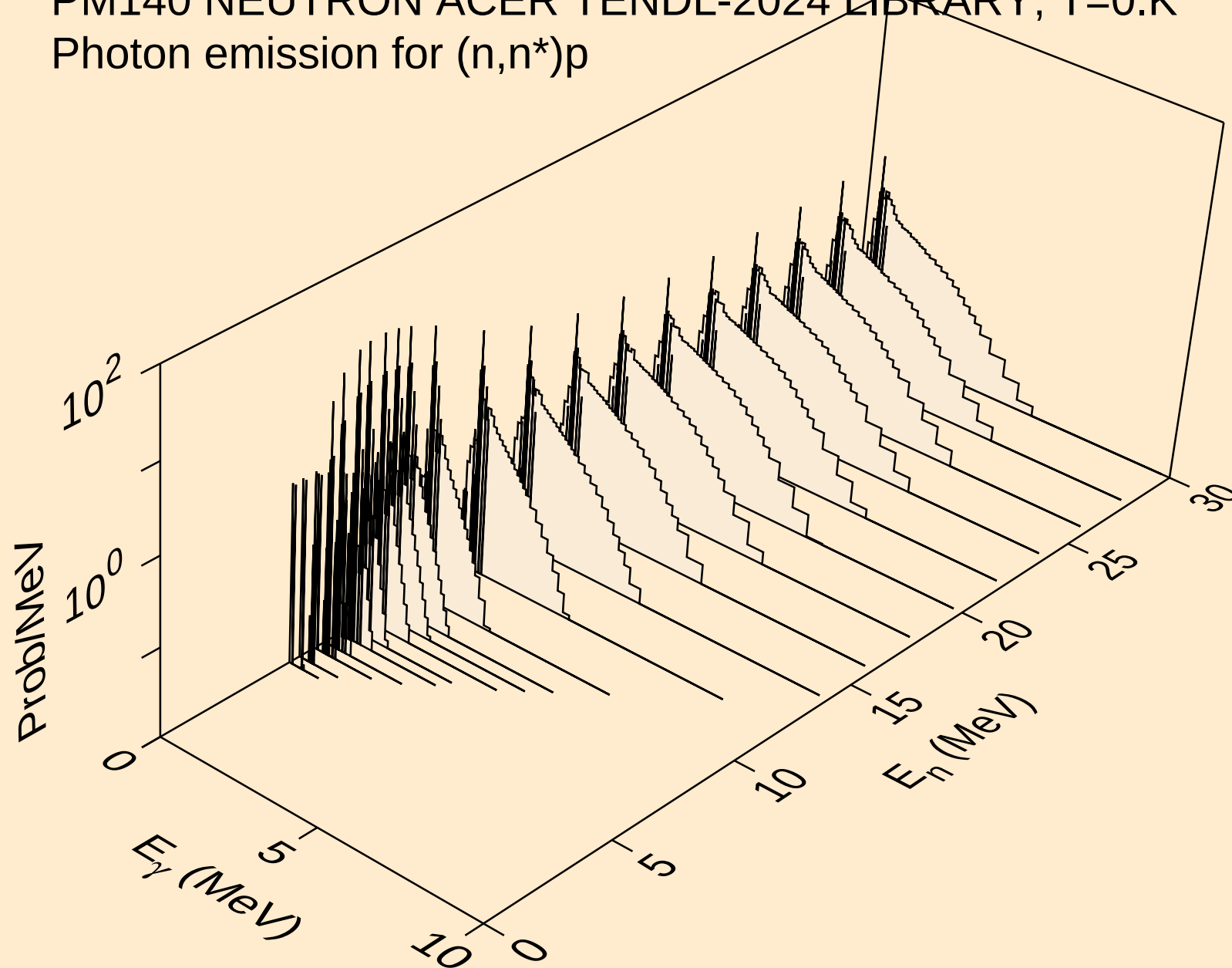
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Photon emission for (n,2n) $\alpha$



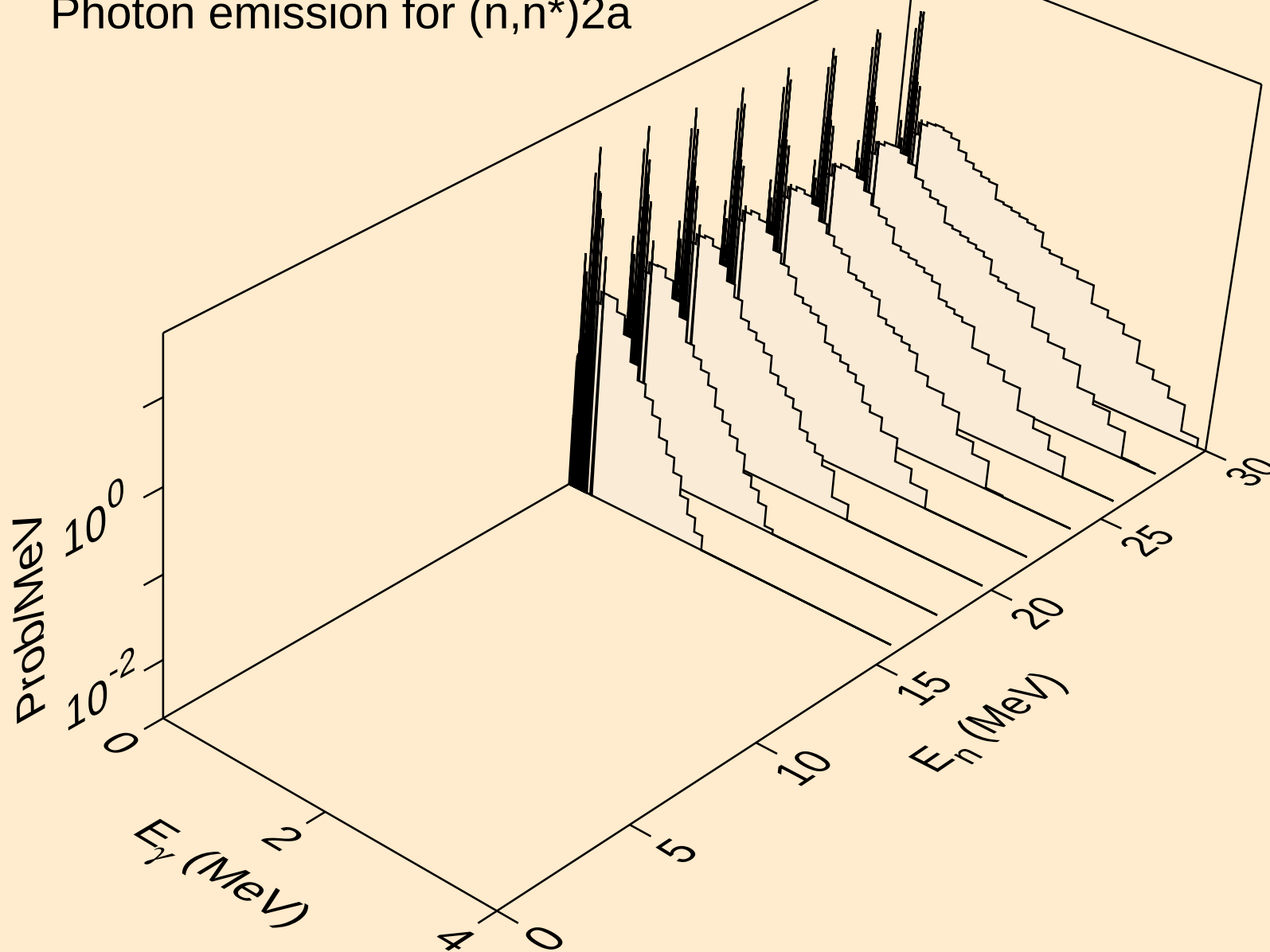
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Photon emission for (n,3n) $\alpha$



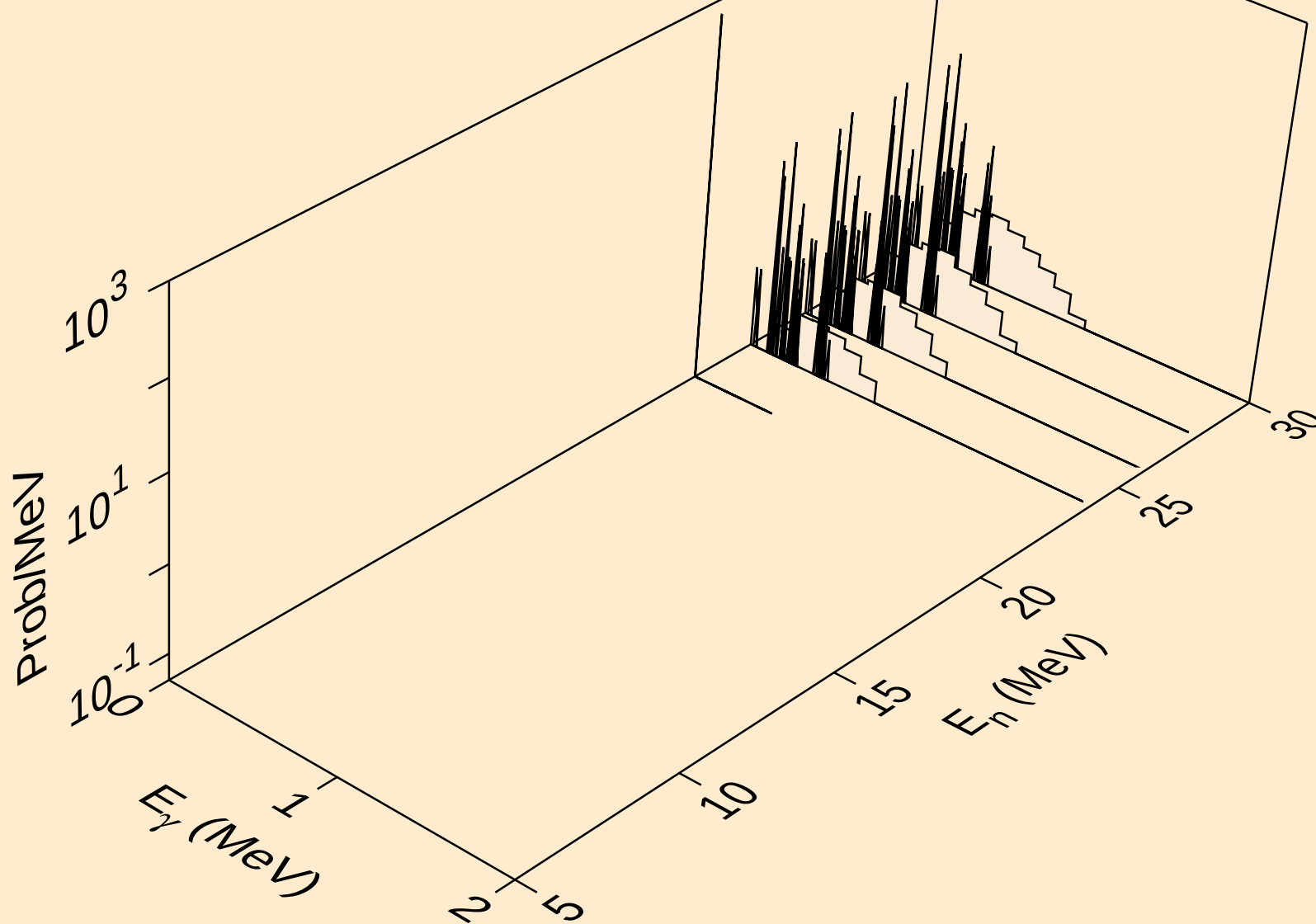
PM140 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)p$



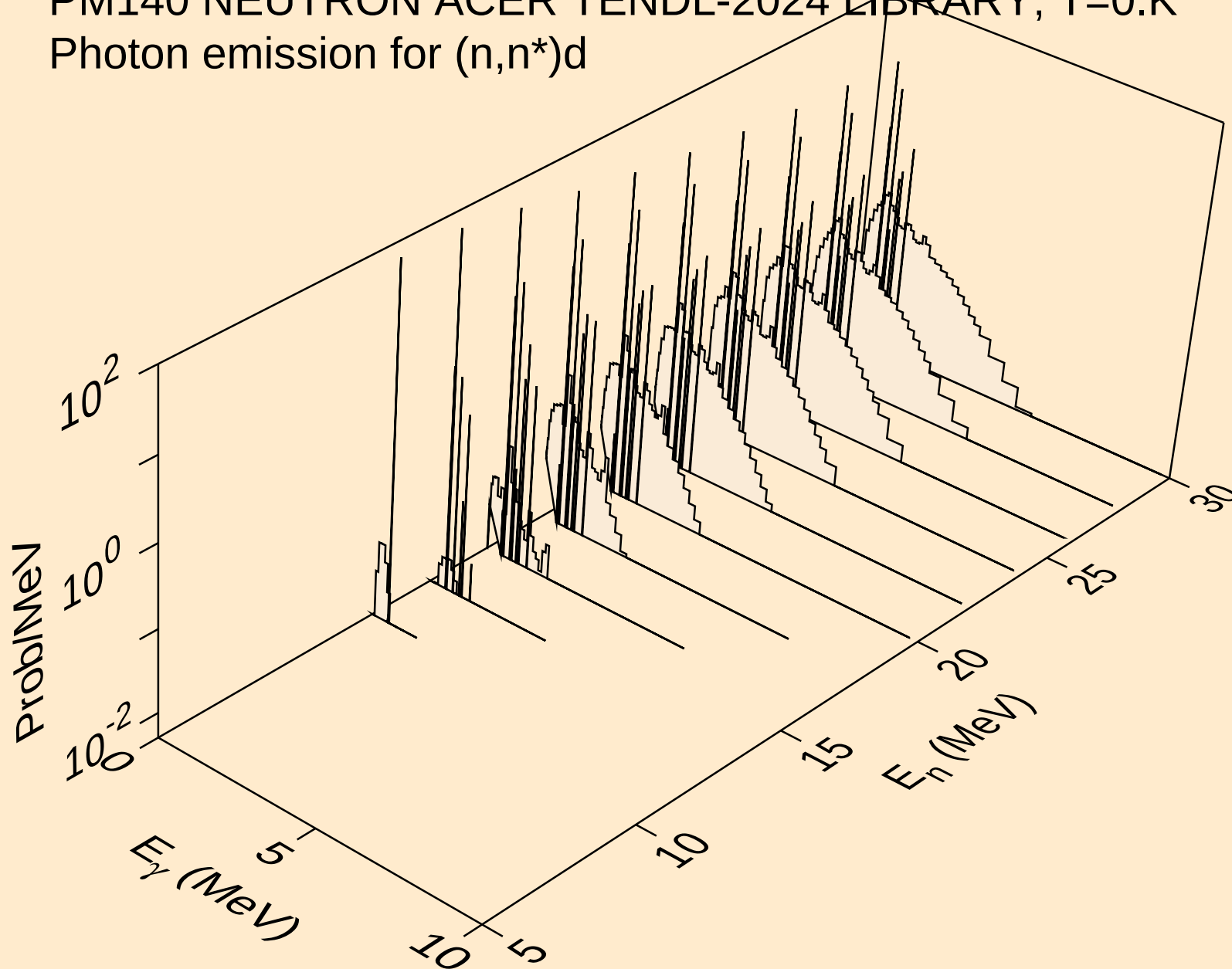
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

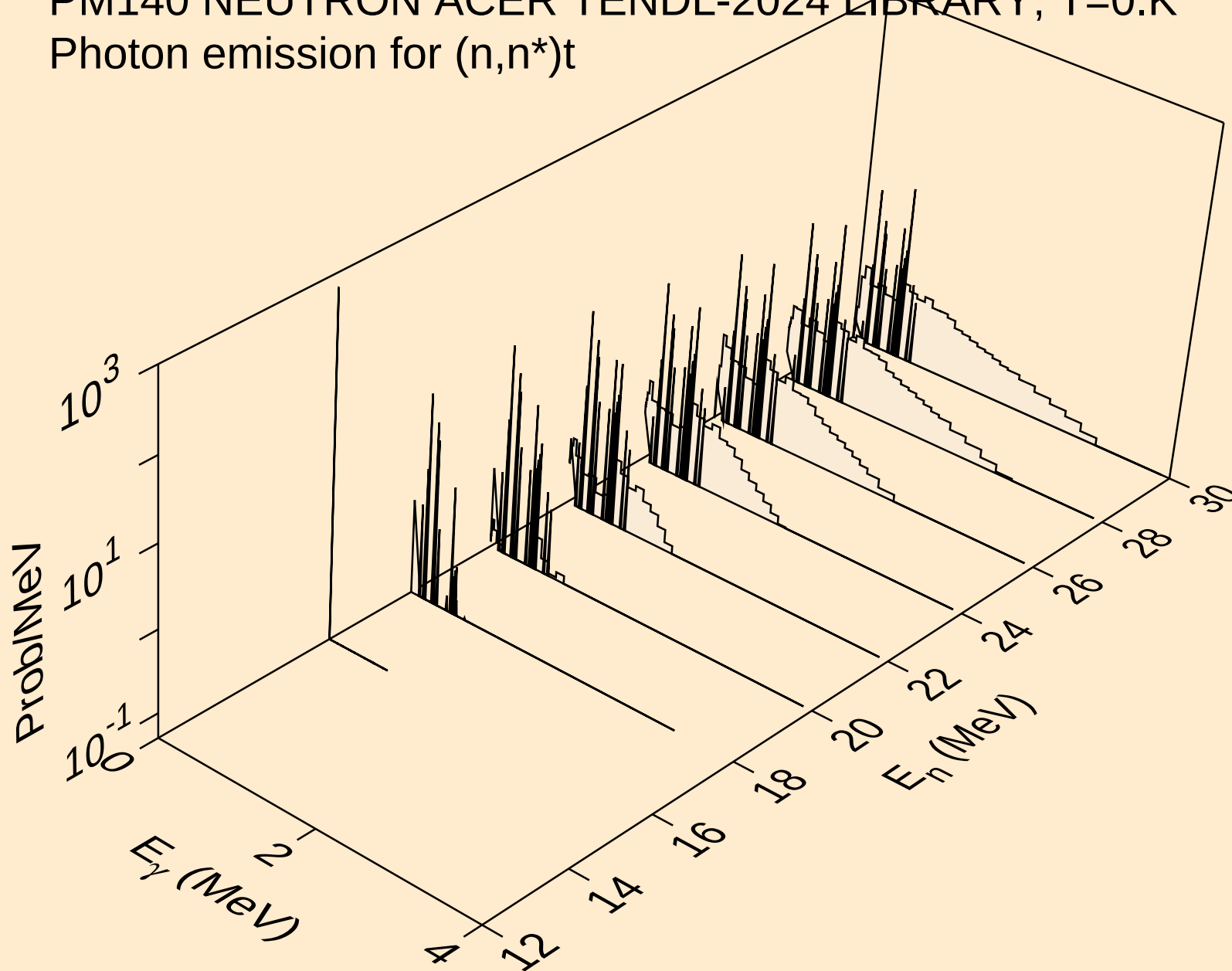


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

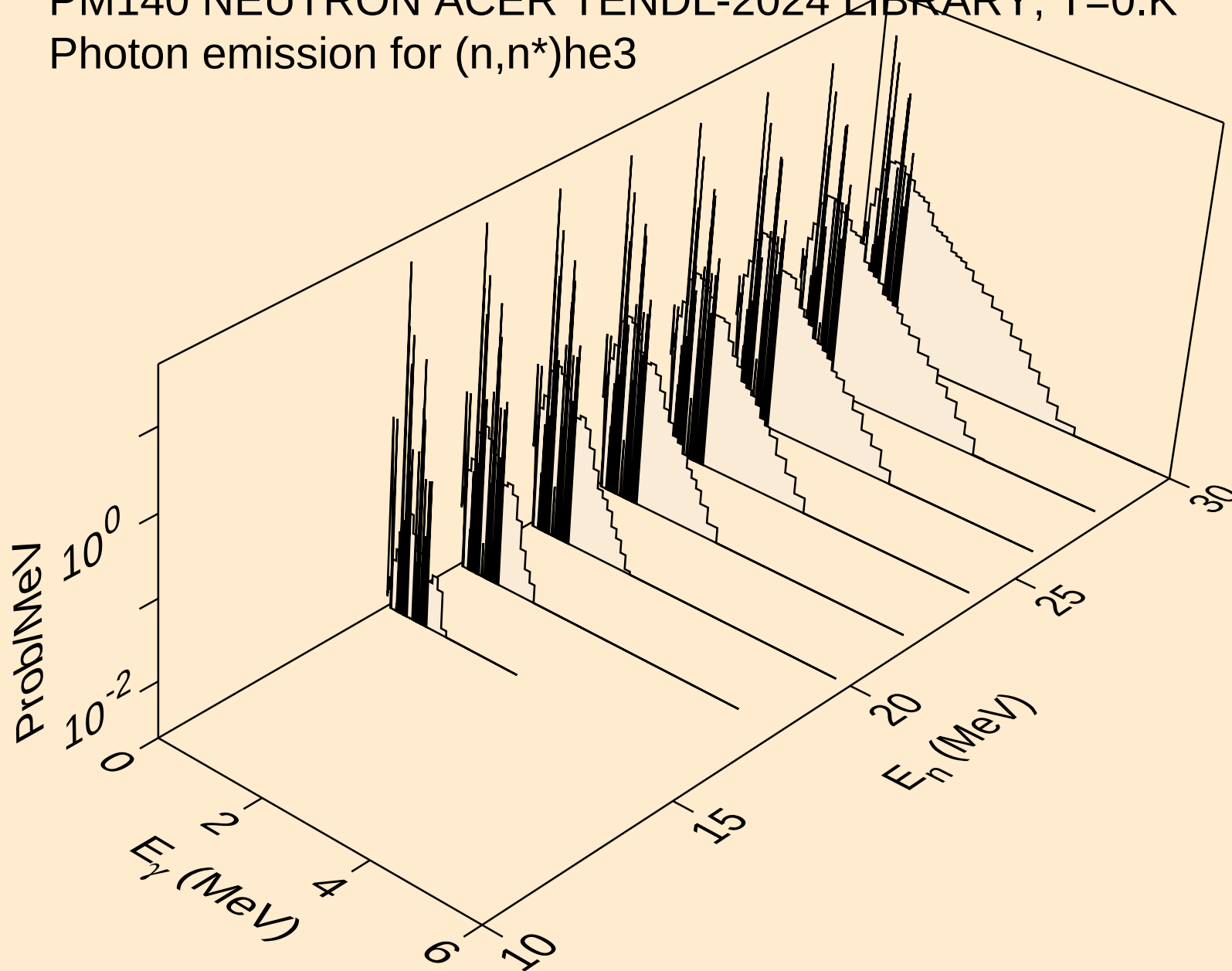




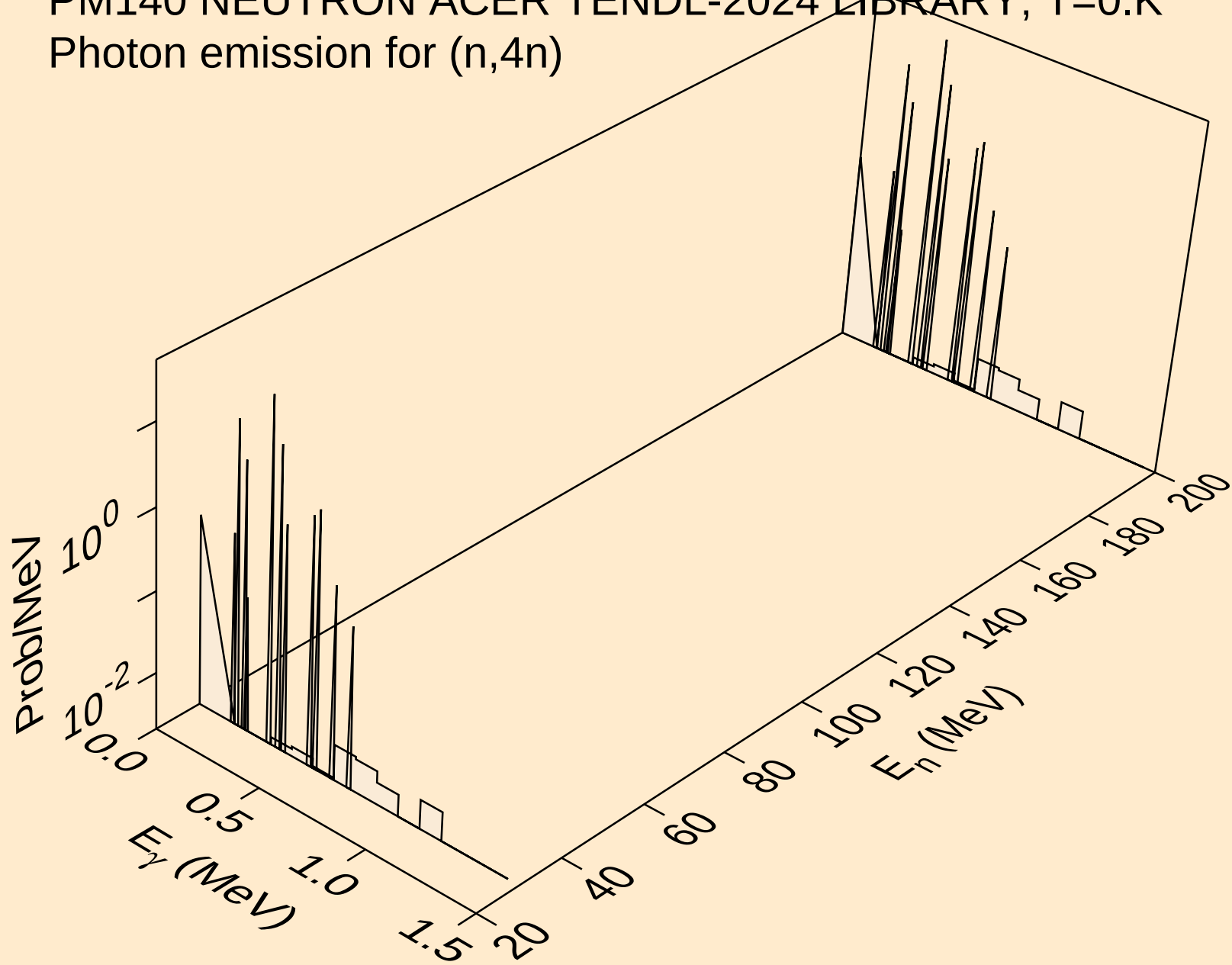
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Photon emission for  $(n,n^*)t$



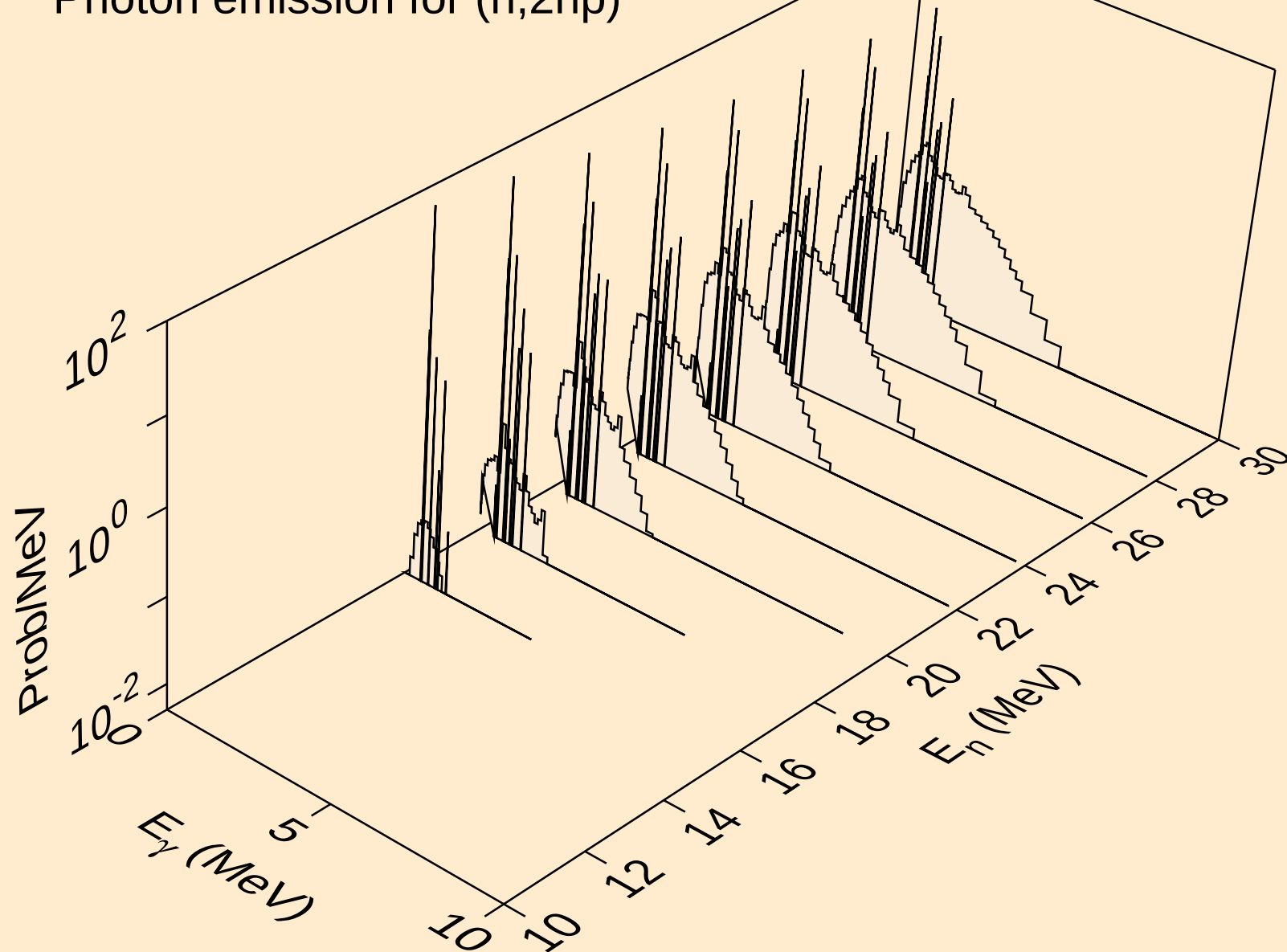
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



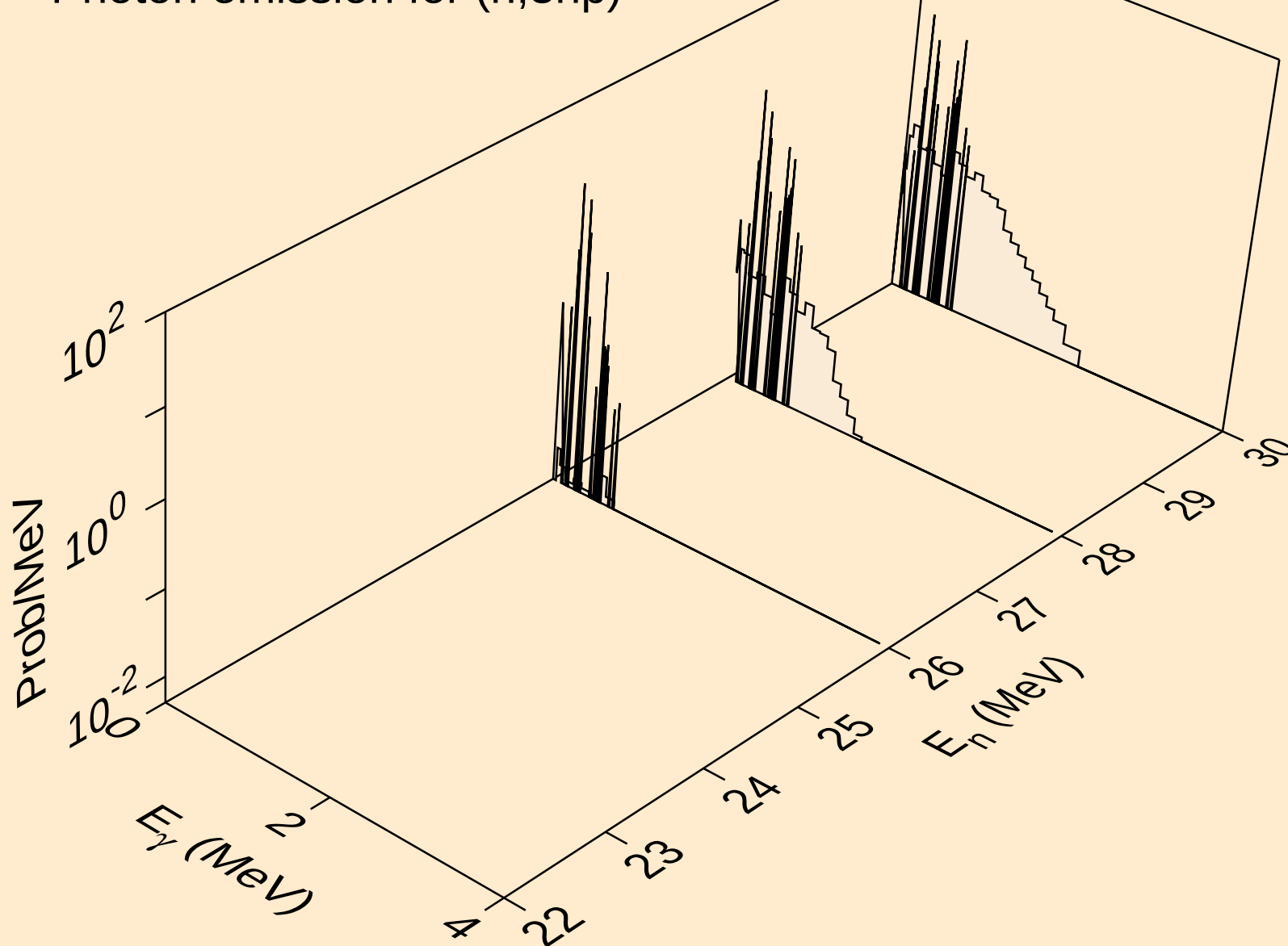
PM140 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



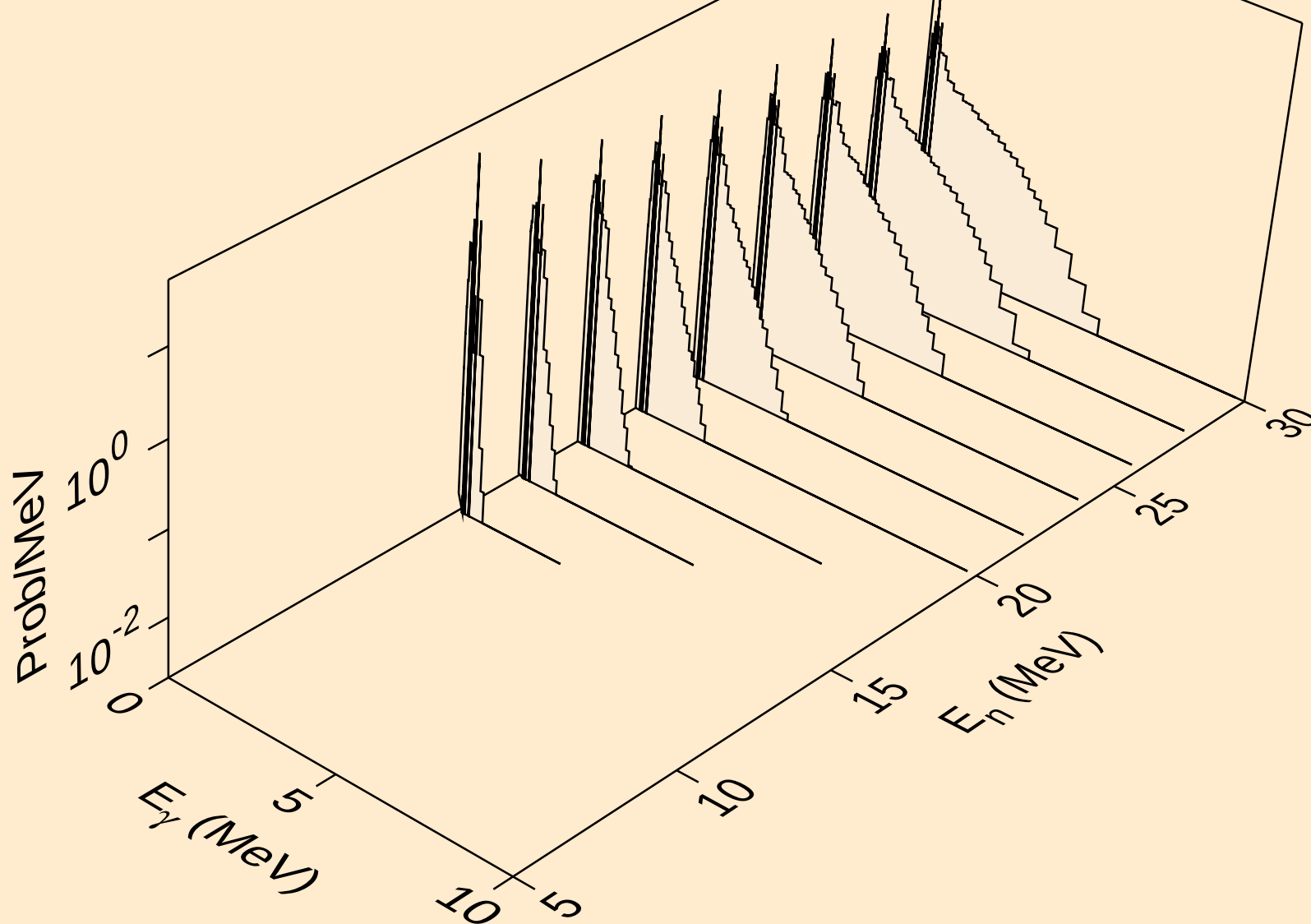
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Photon emission for (n,2np)



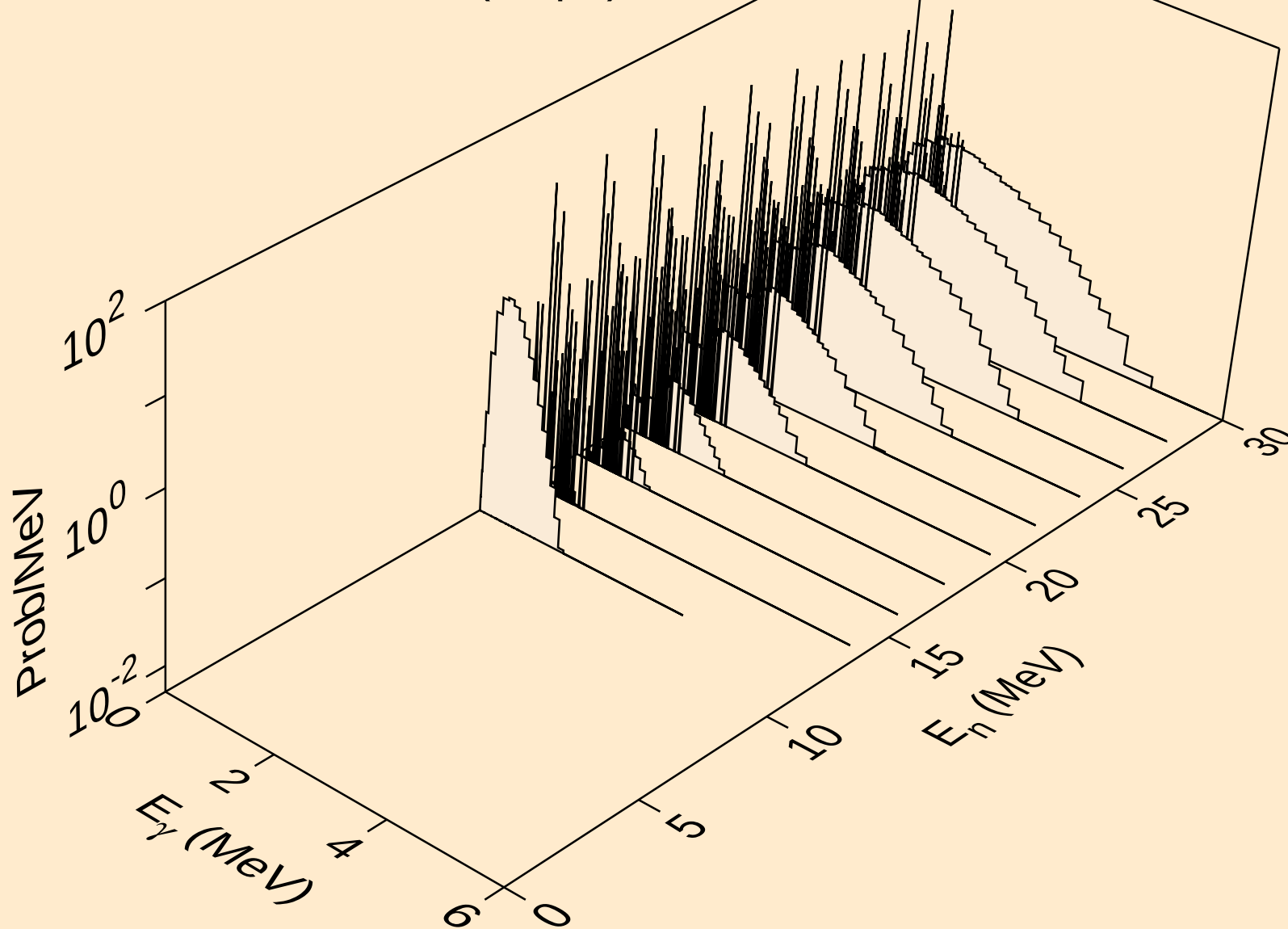
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Photon emission for (n,3np)



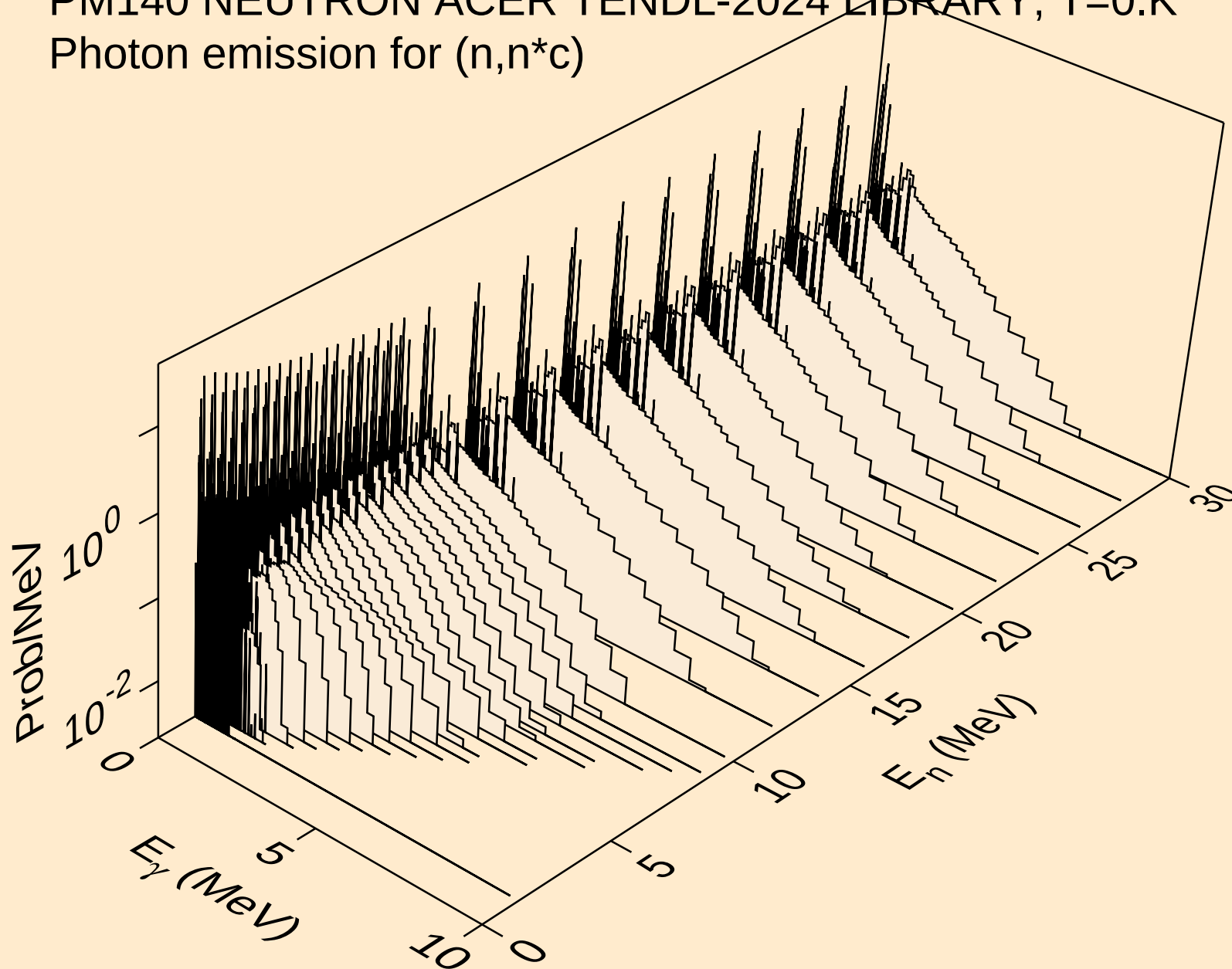
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

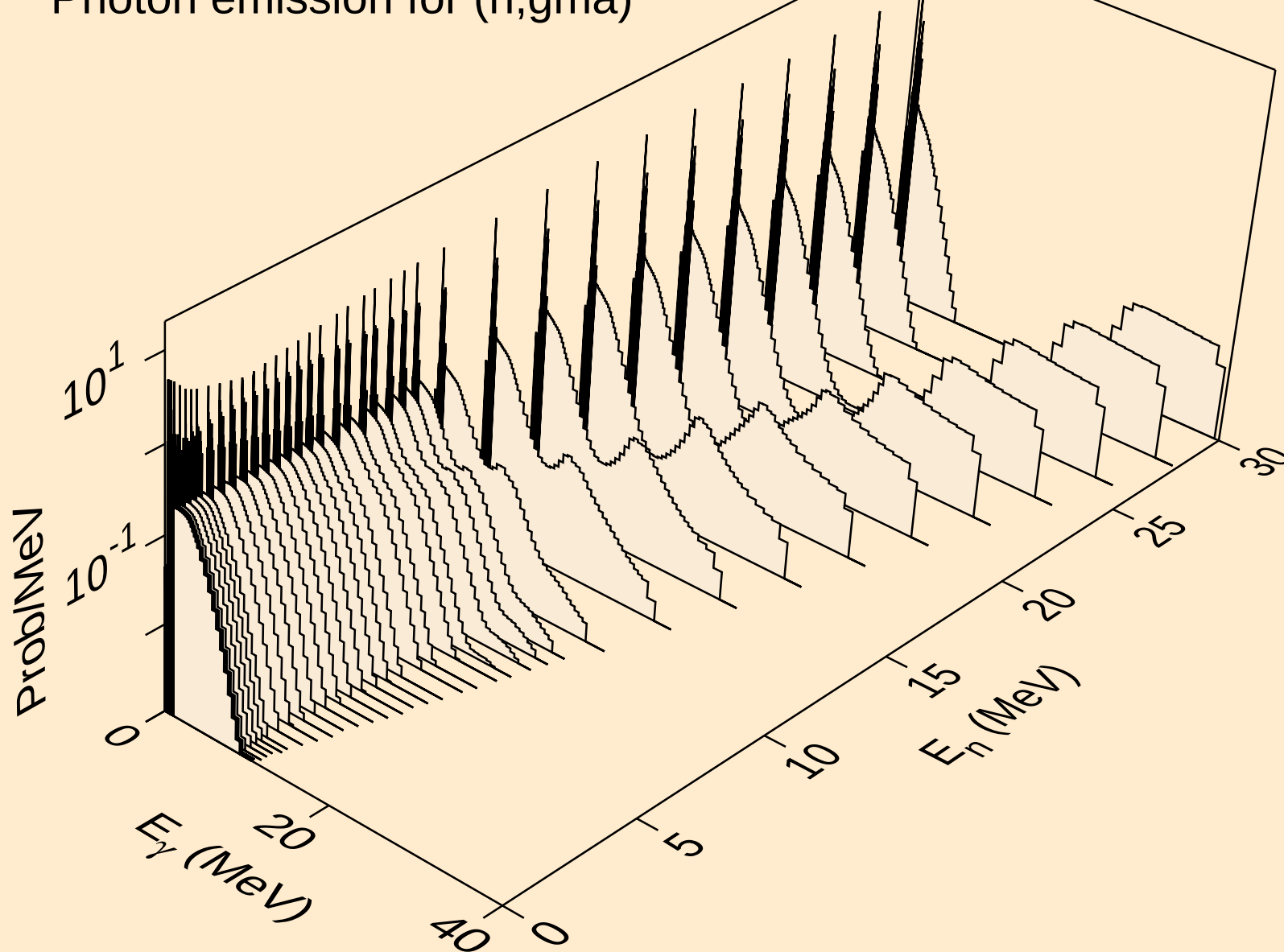


PM140 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,n\*c)

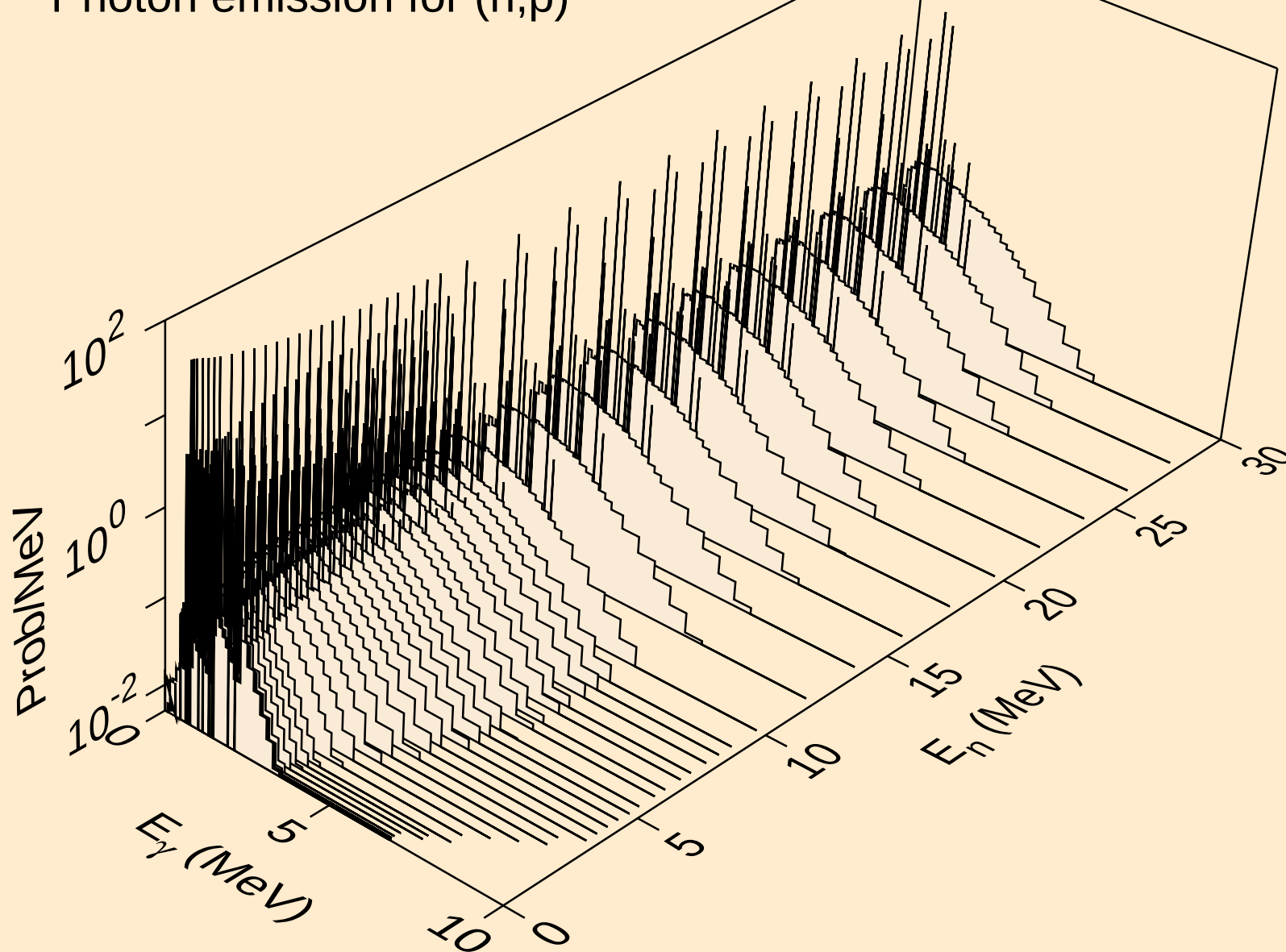




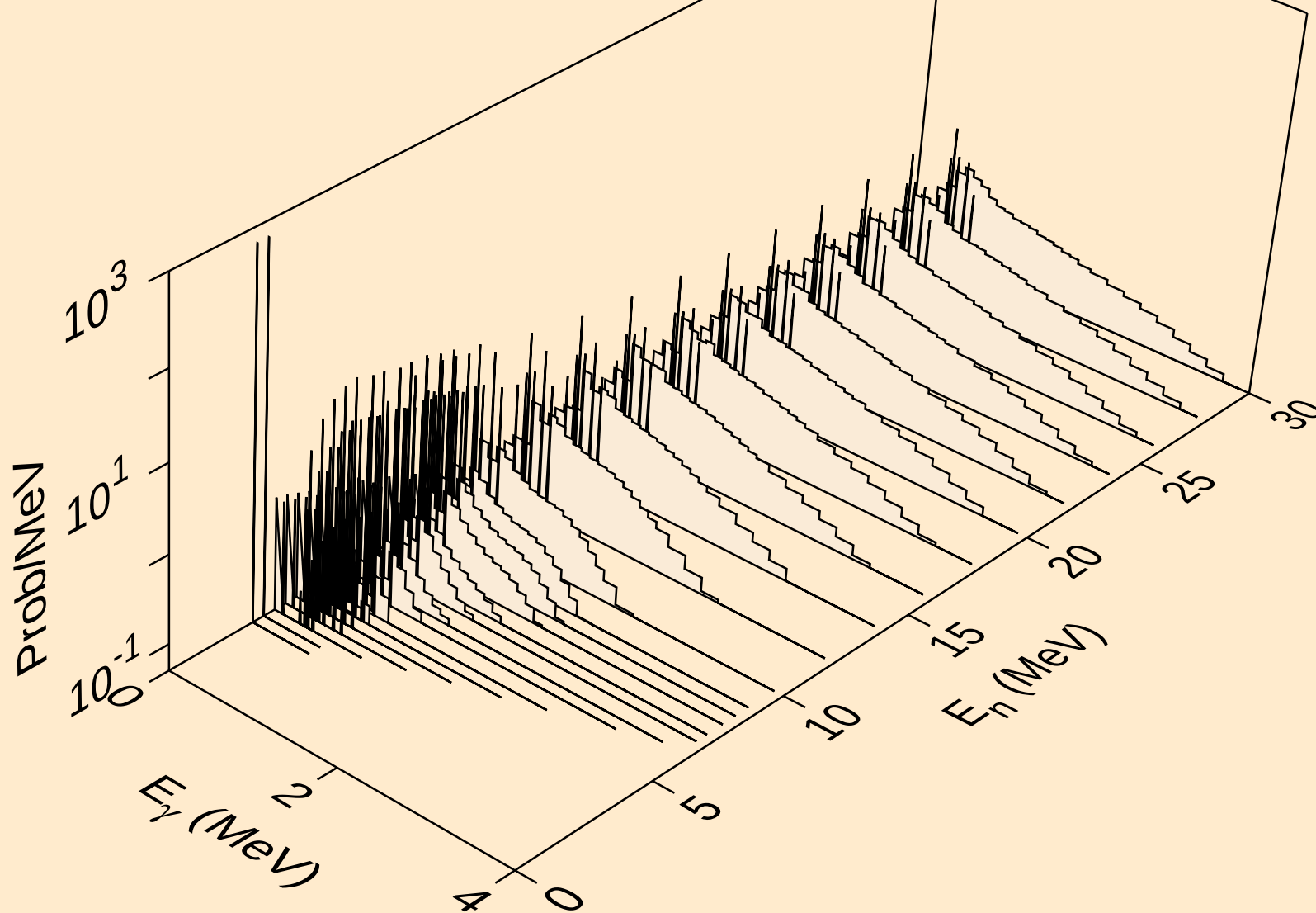
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Photon emission for (n,gma)



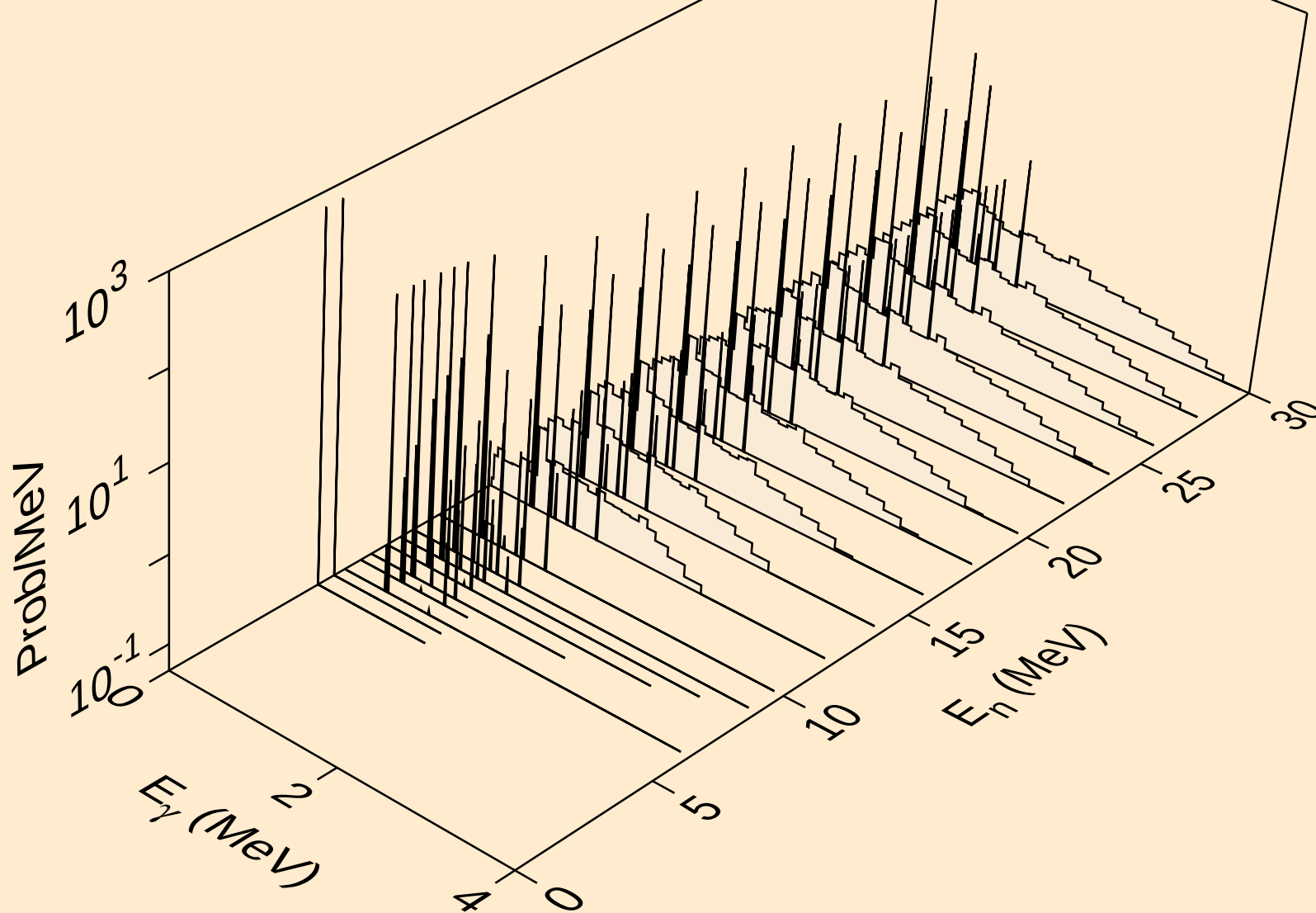
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Photon emission for (n,p)



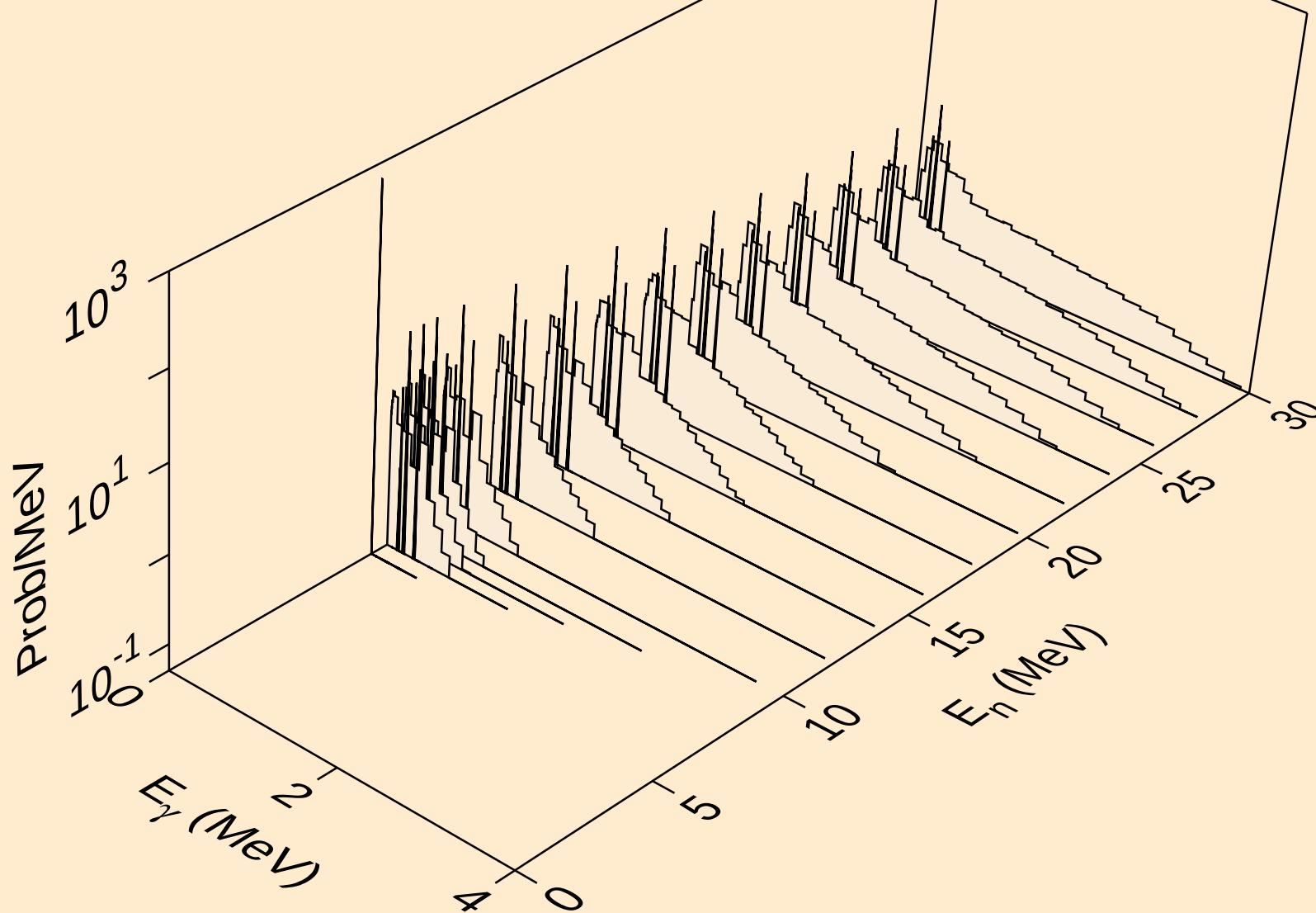
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Photon emission for (n,d)



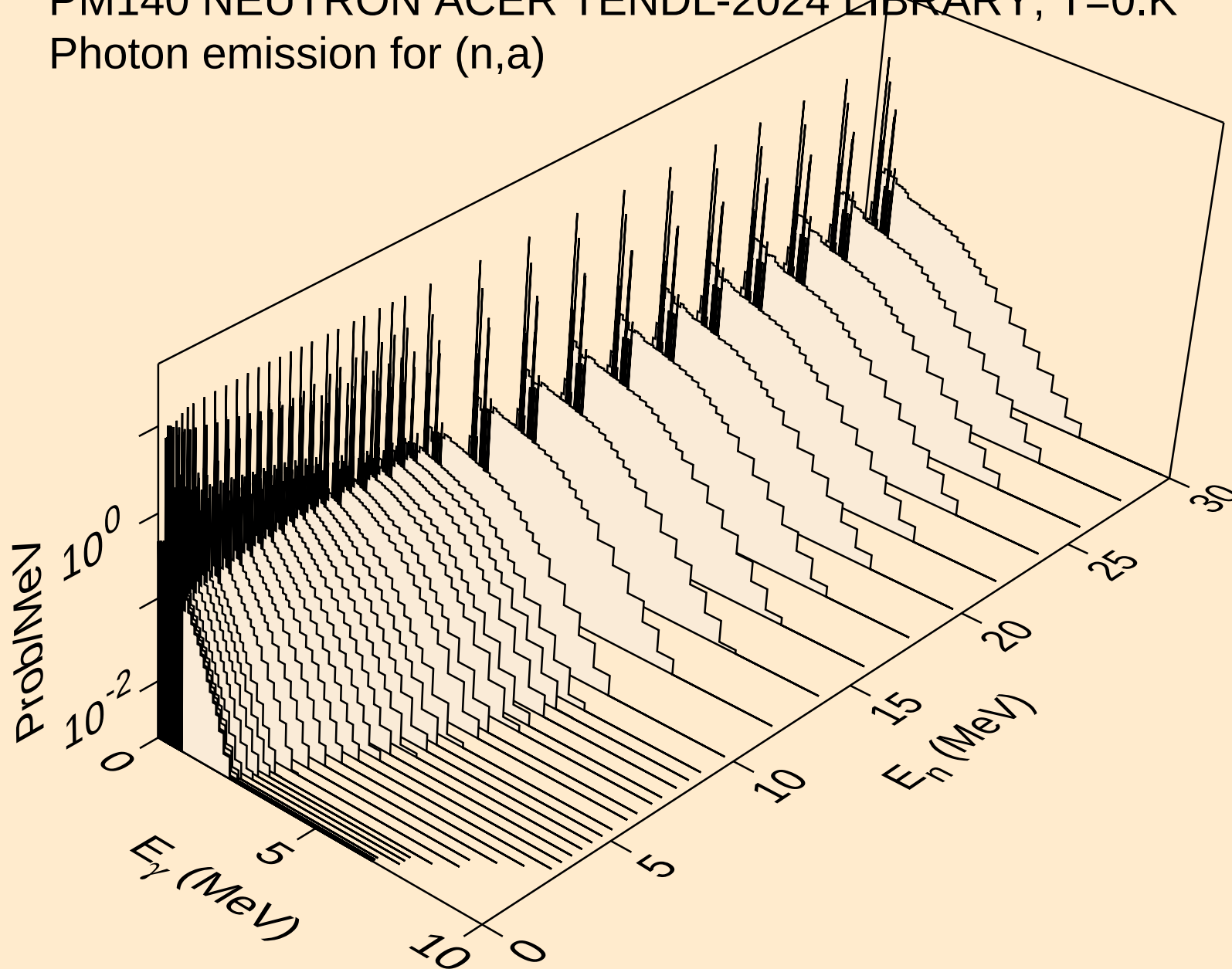
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Photon emission for (n,t)



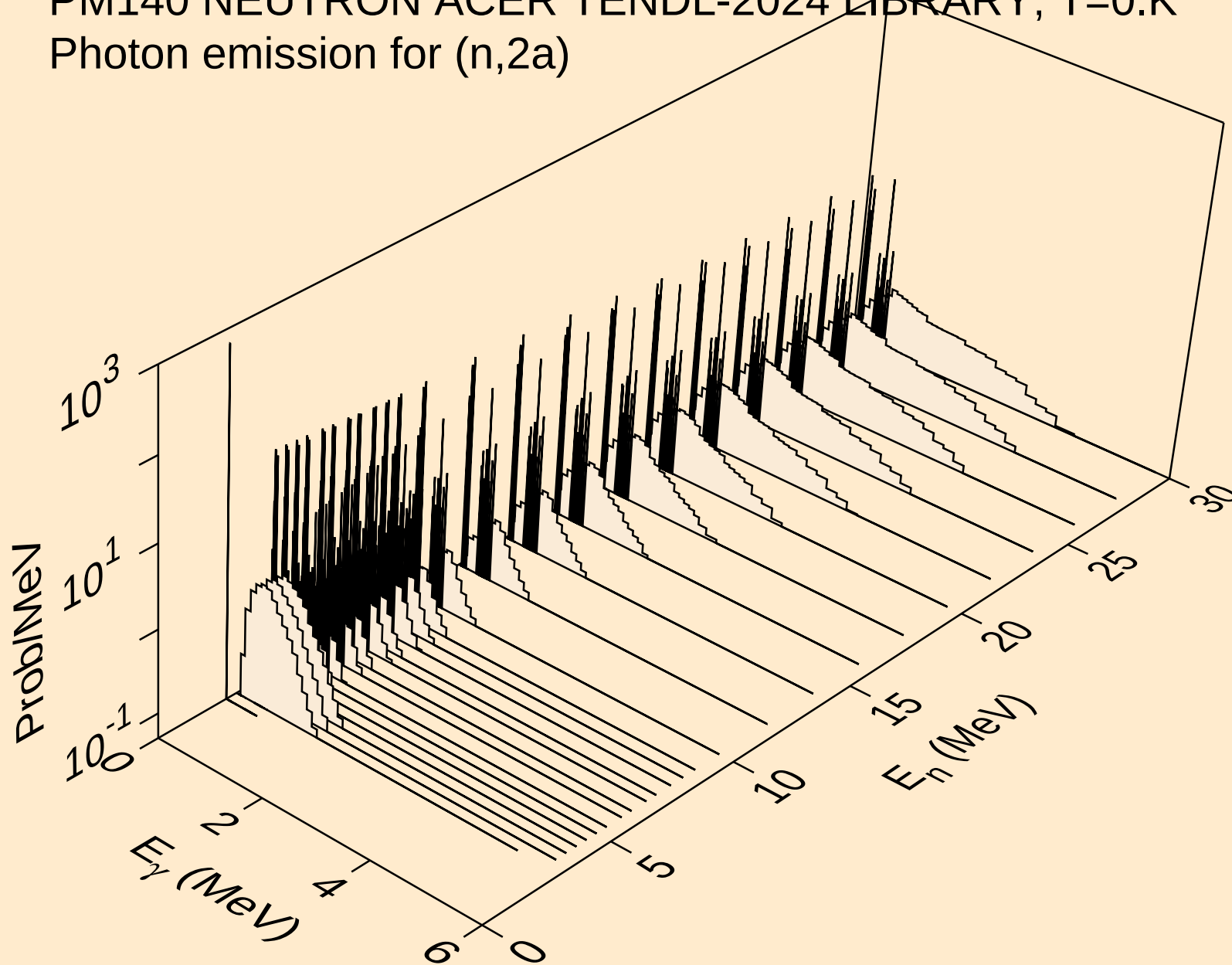
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Photon emission for (n,he3)



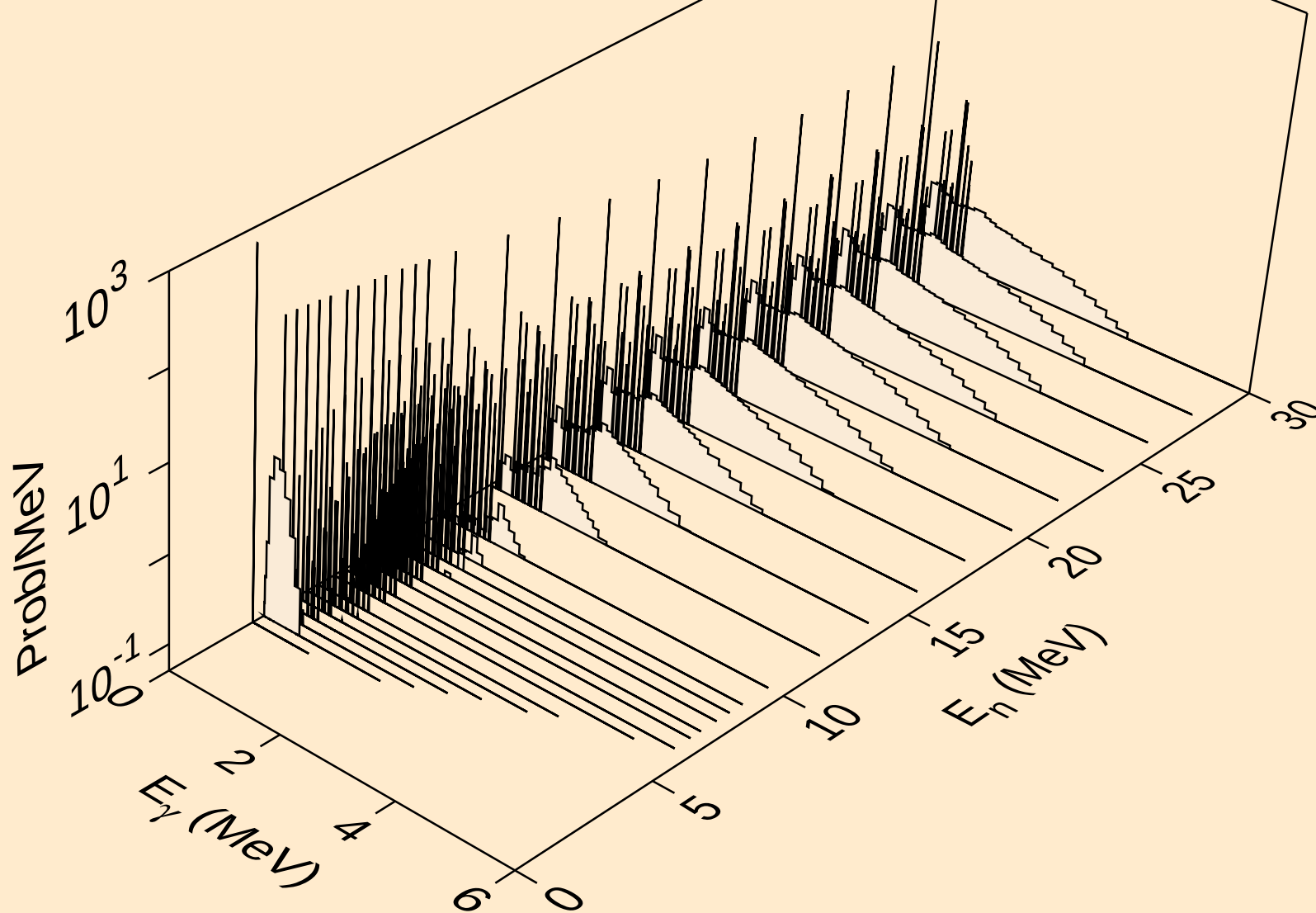
PM140 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,a)



PM140 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2a)

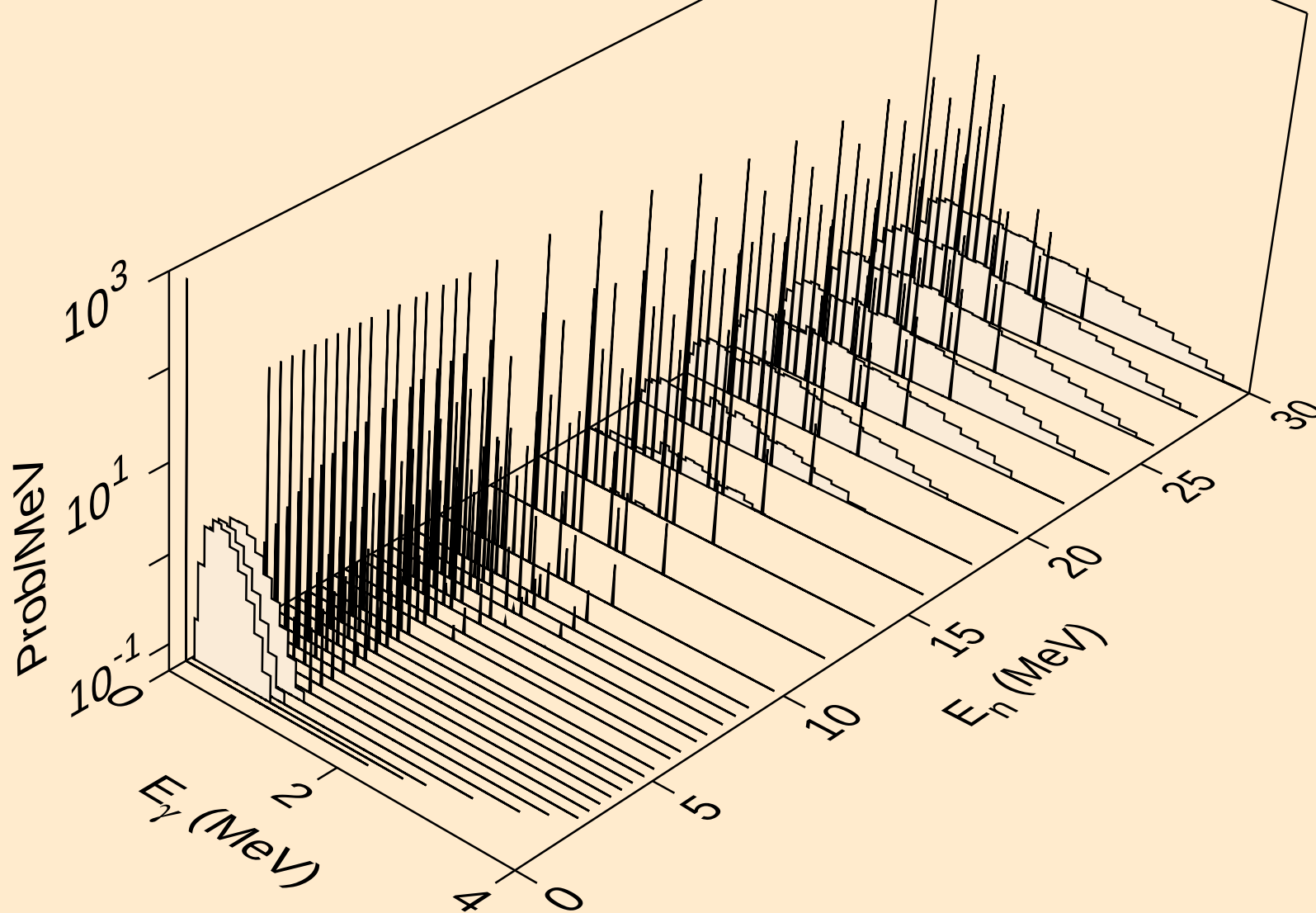


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Photon emission for (n,2p)

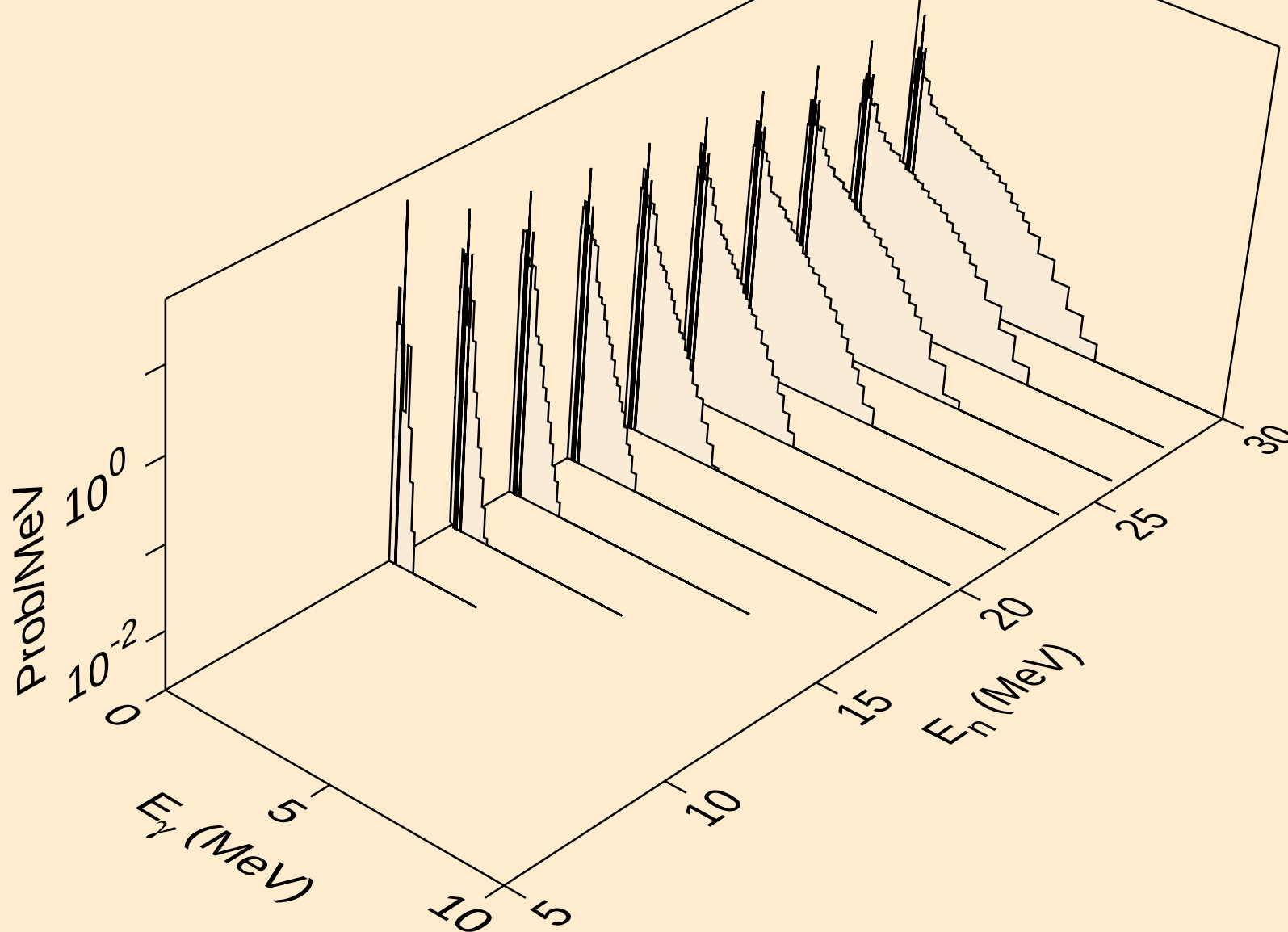




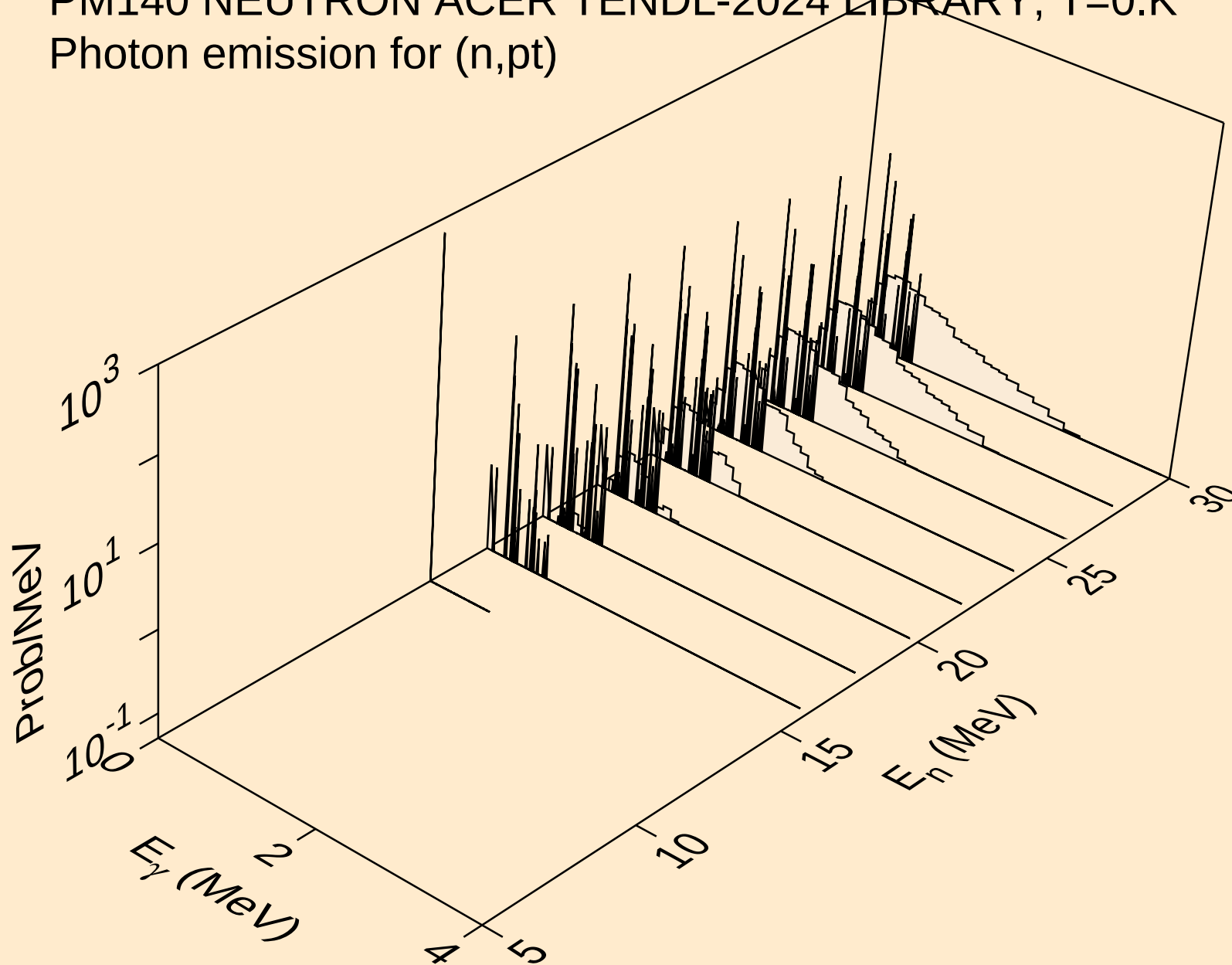
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Photon emission for (n,p $\alpha$ )



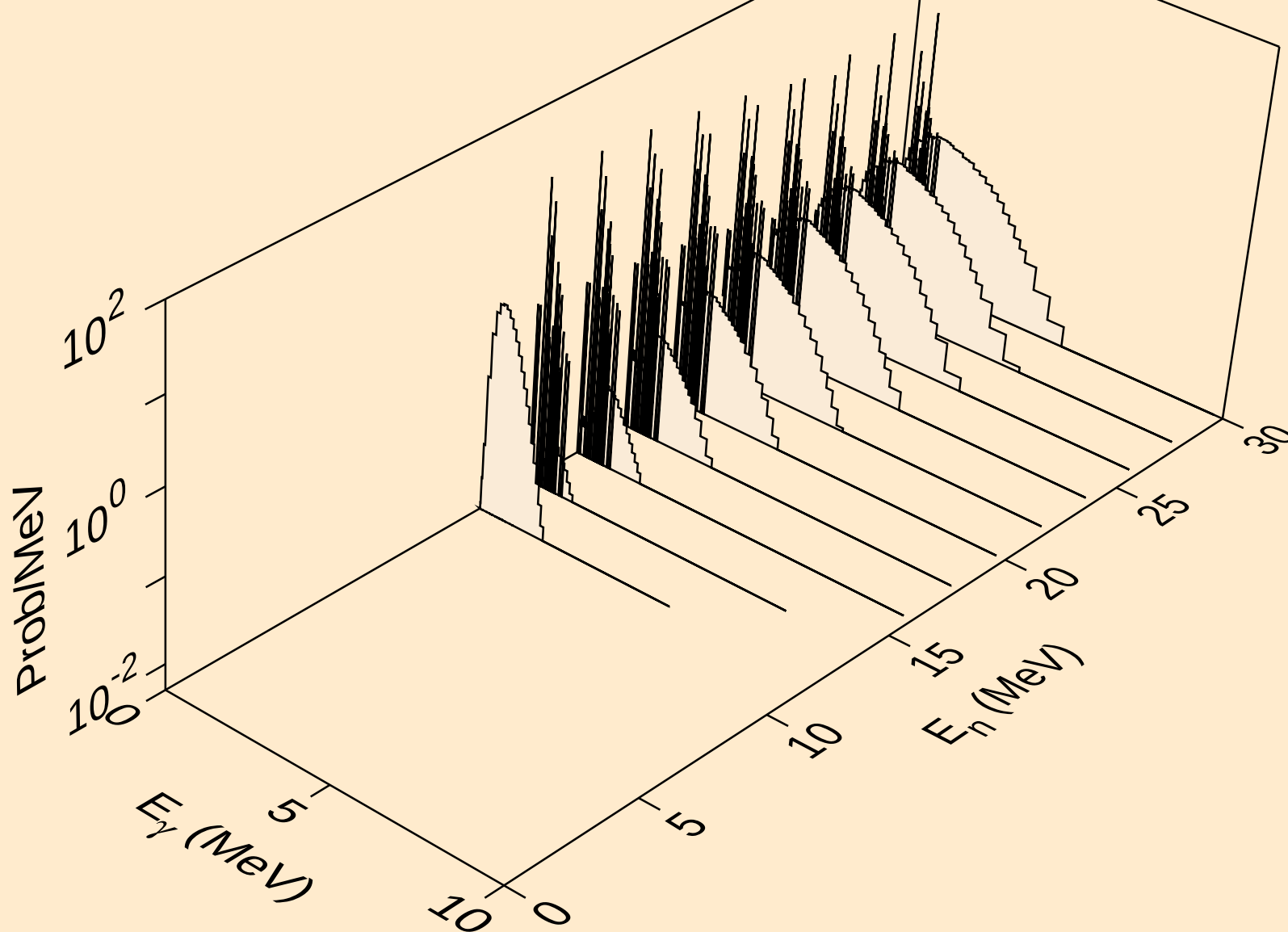
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



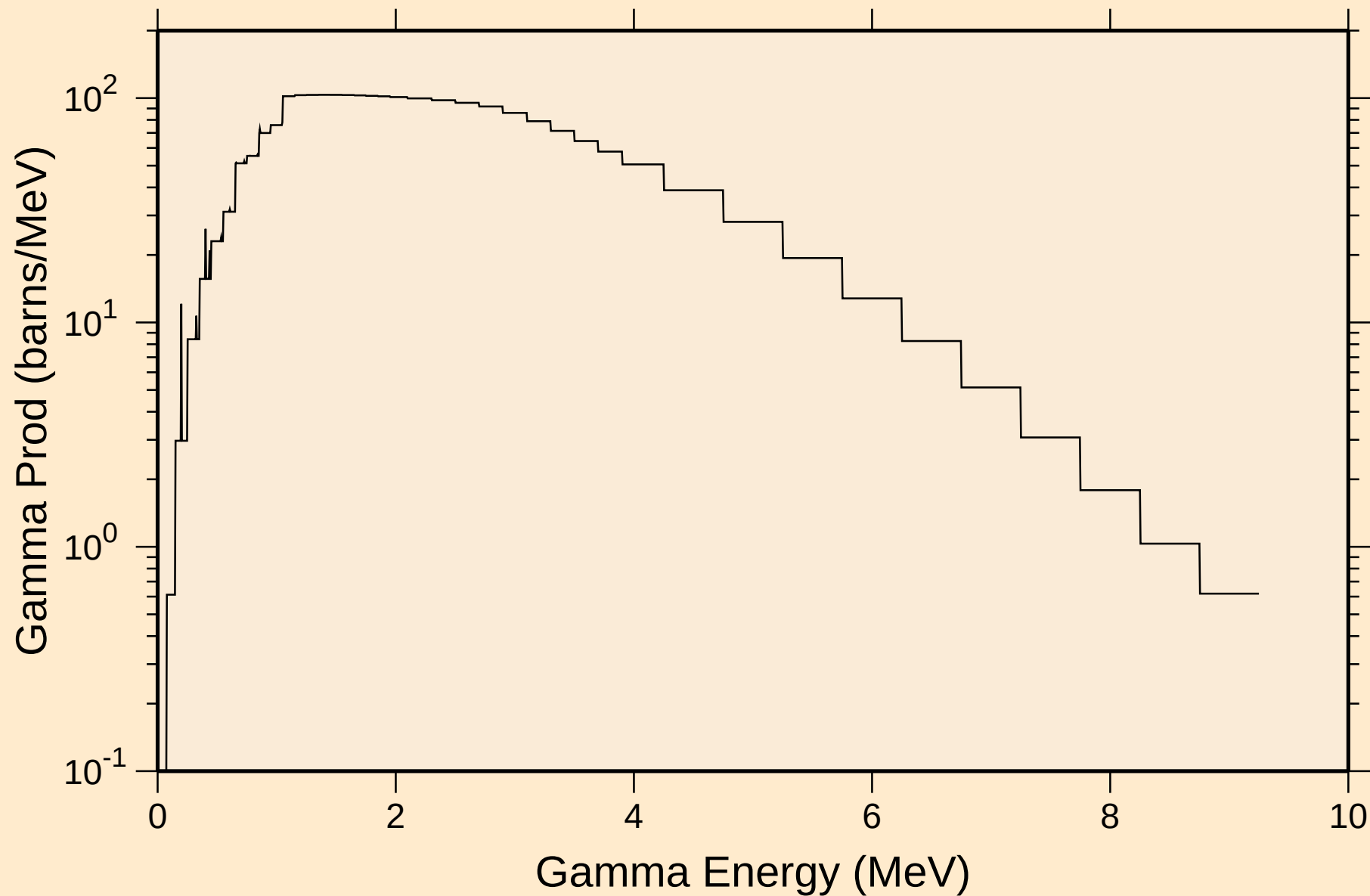
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



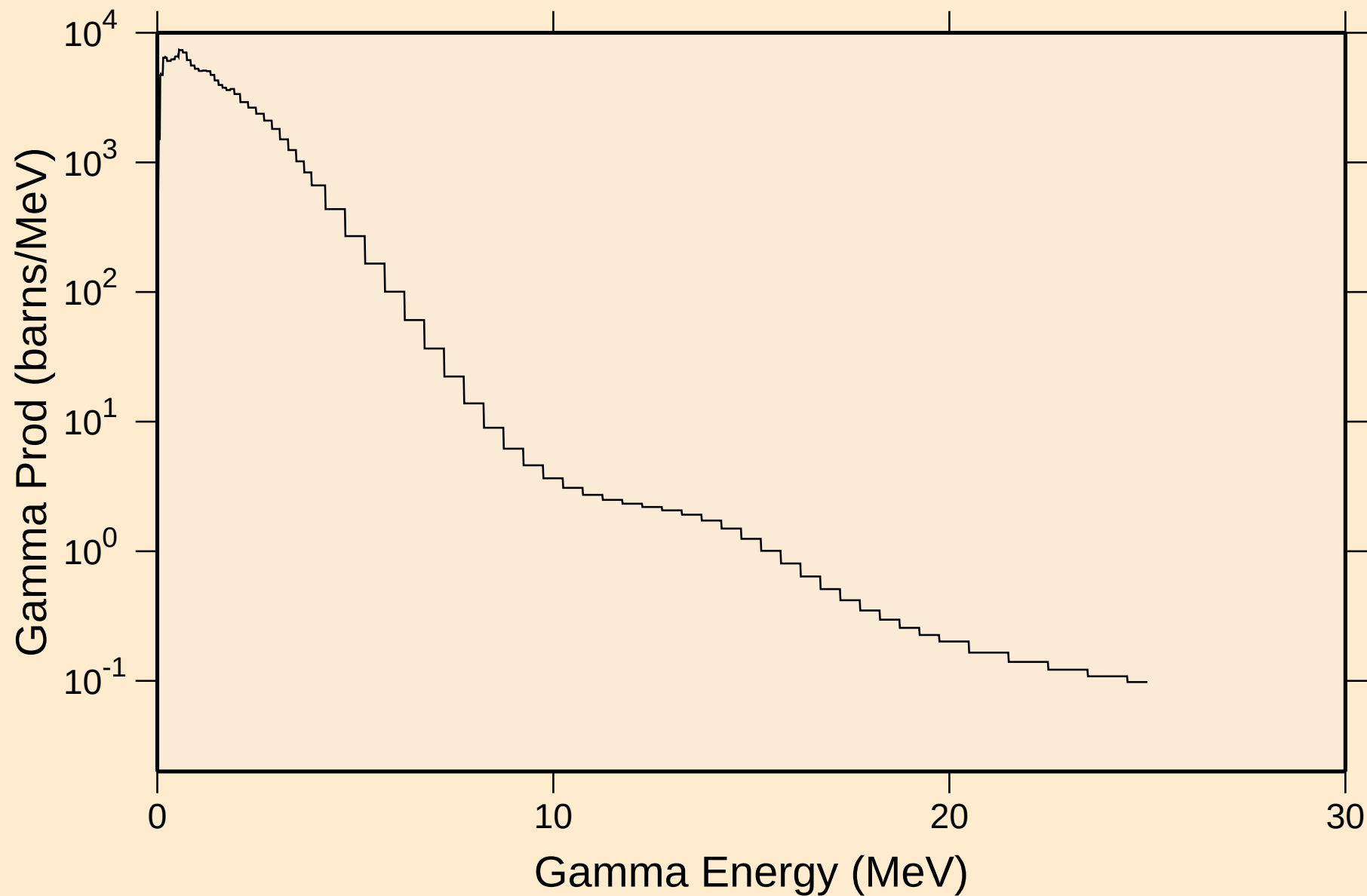
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

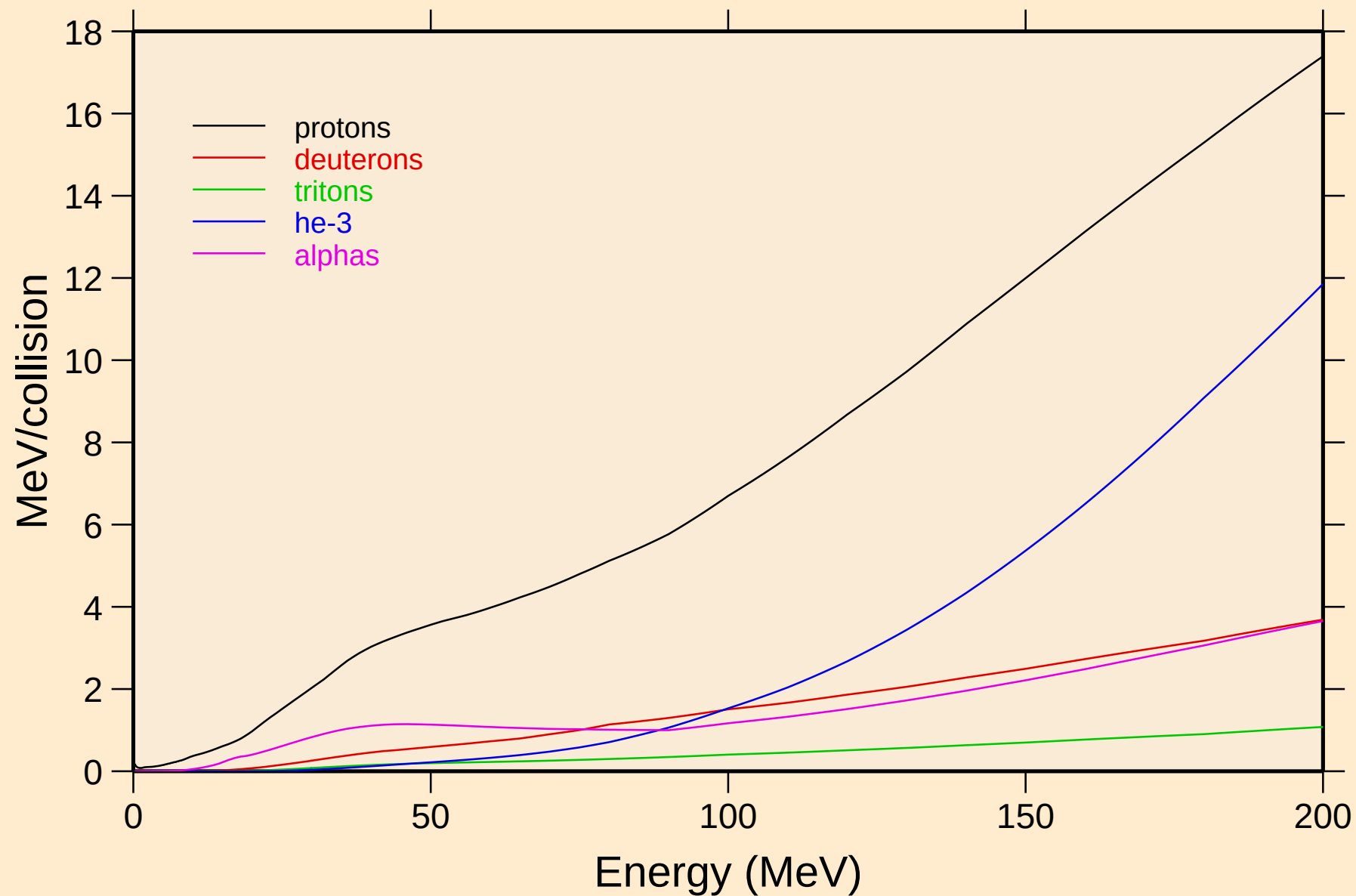


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

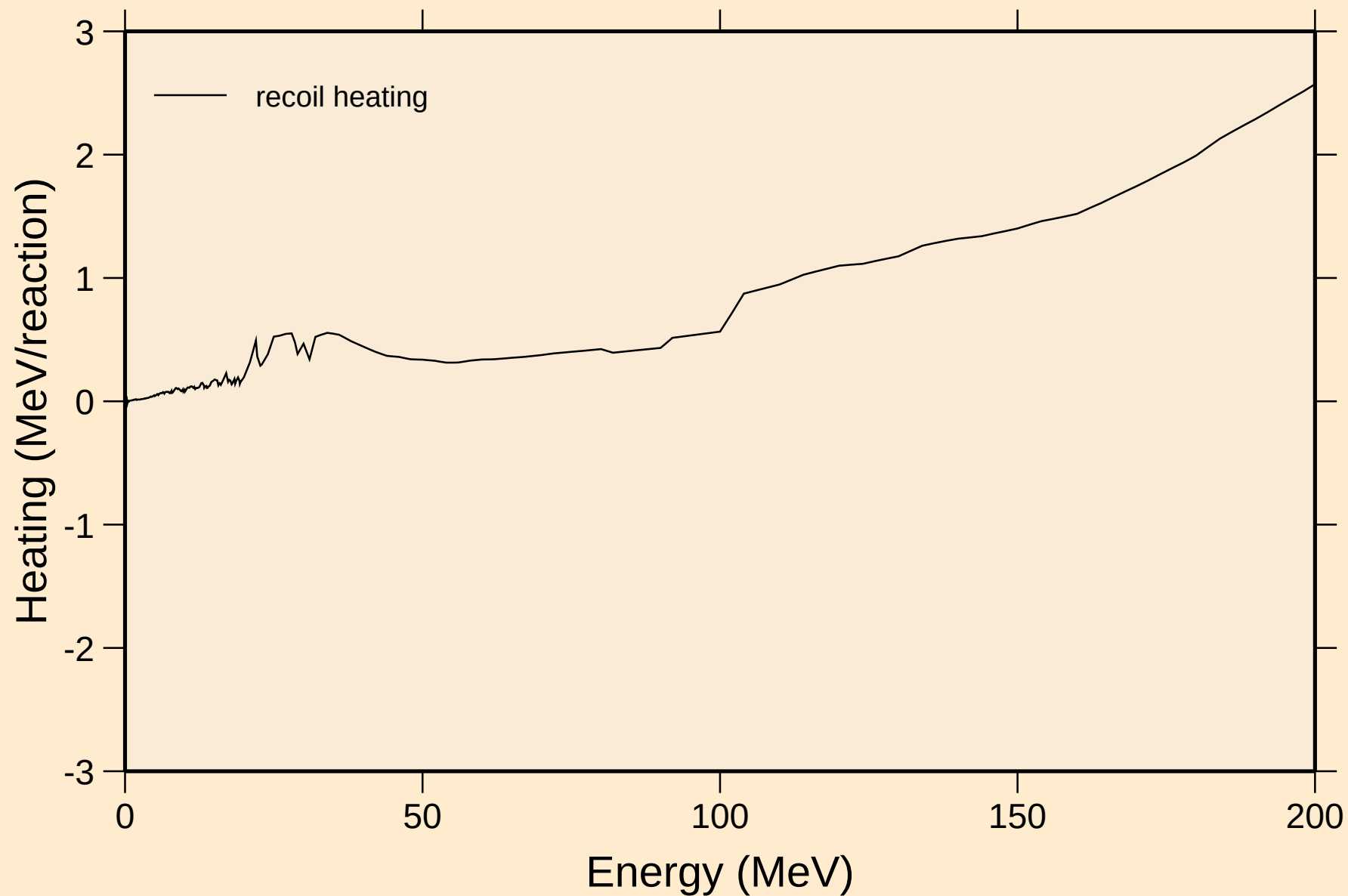


# PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

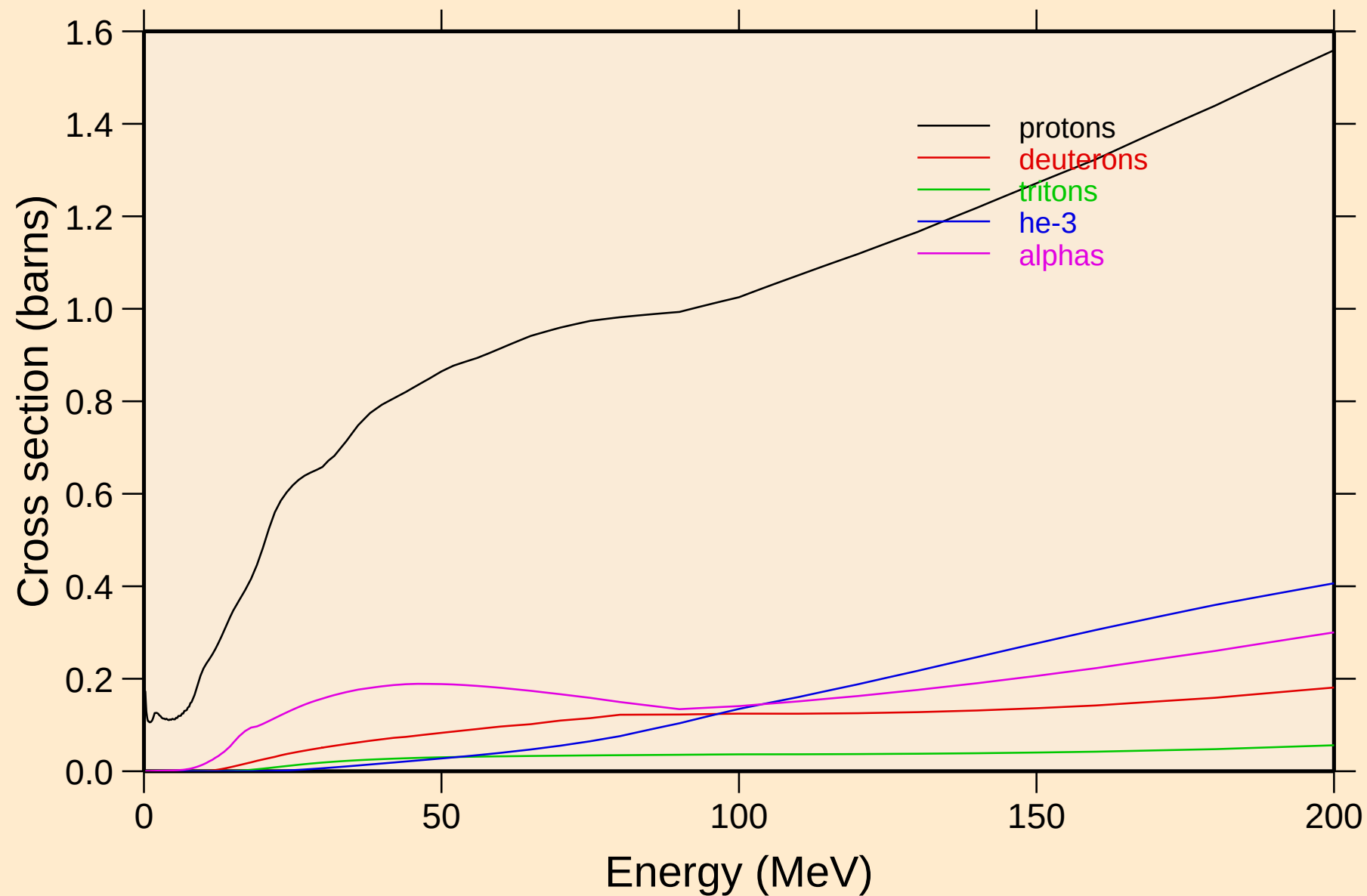


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

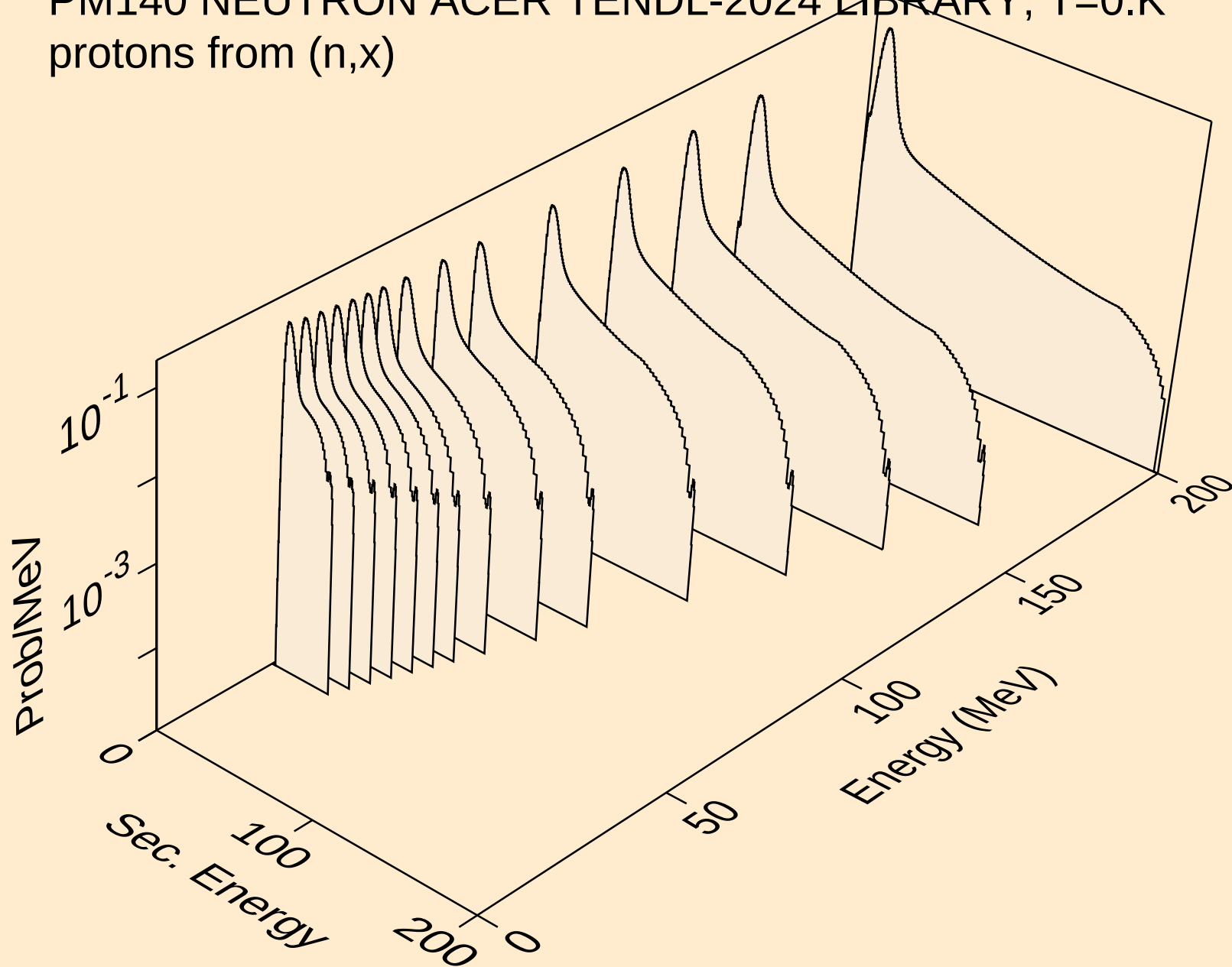




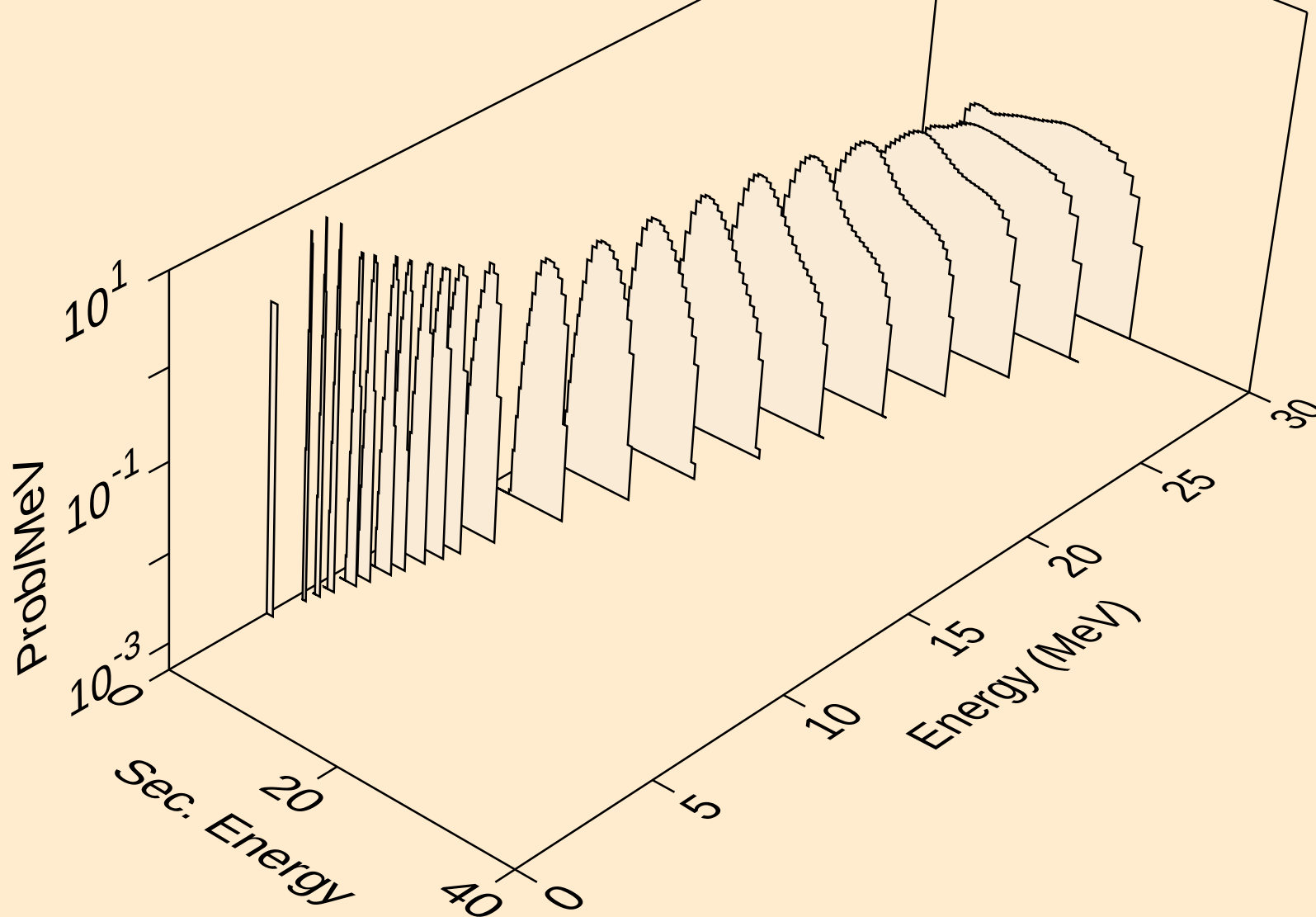
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



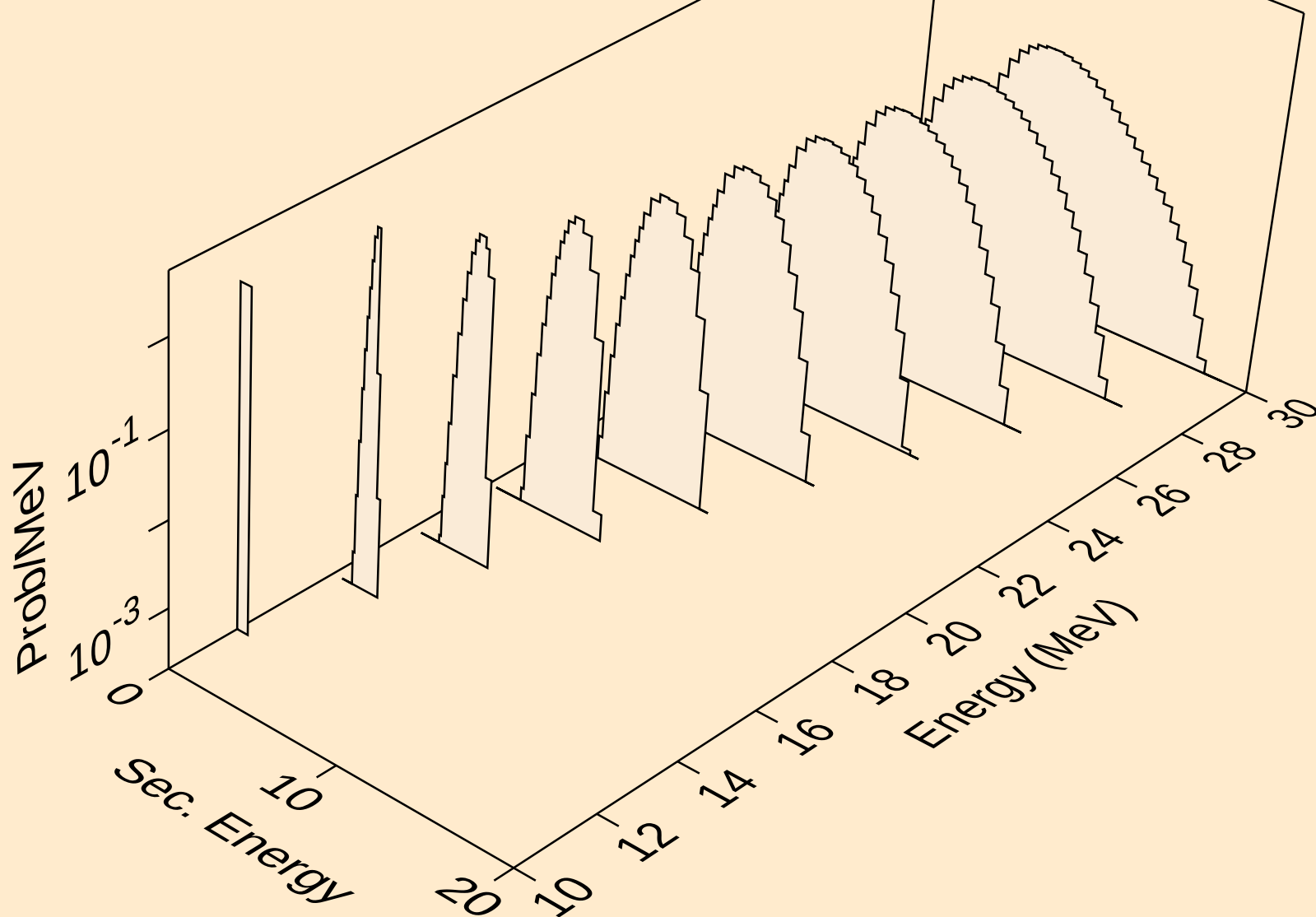
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



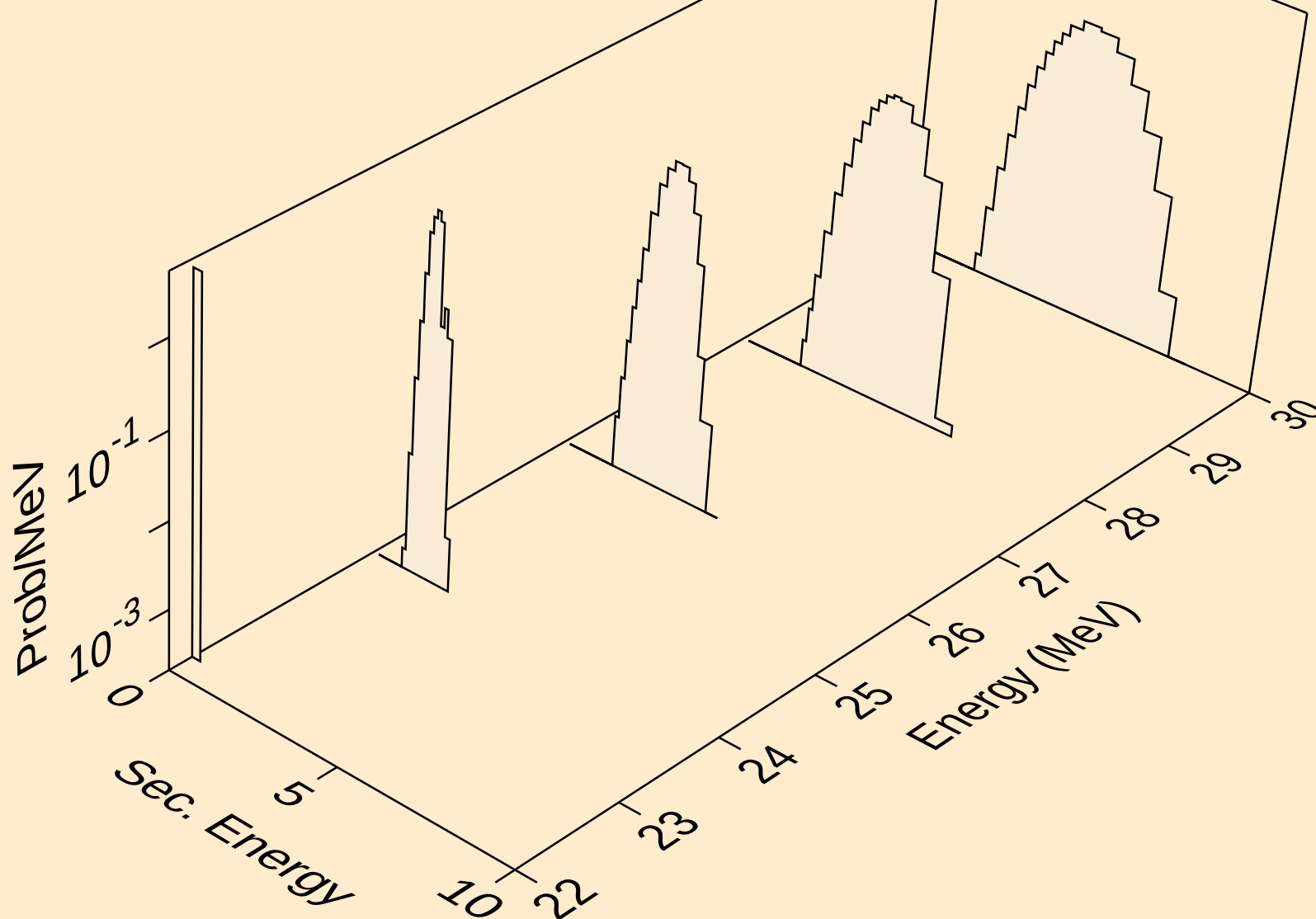
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



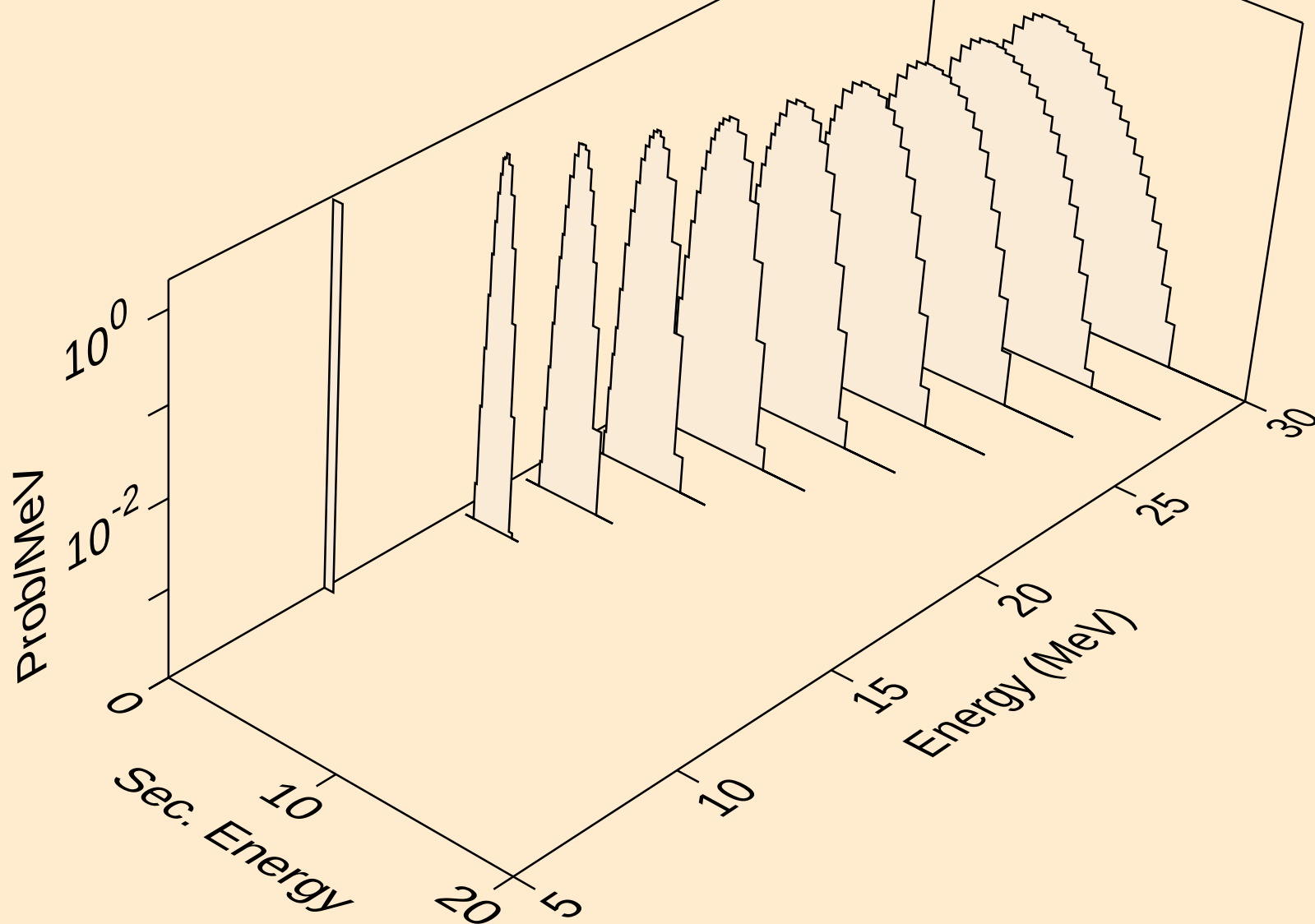
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protons from (n,2np)



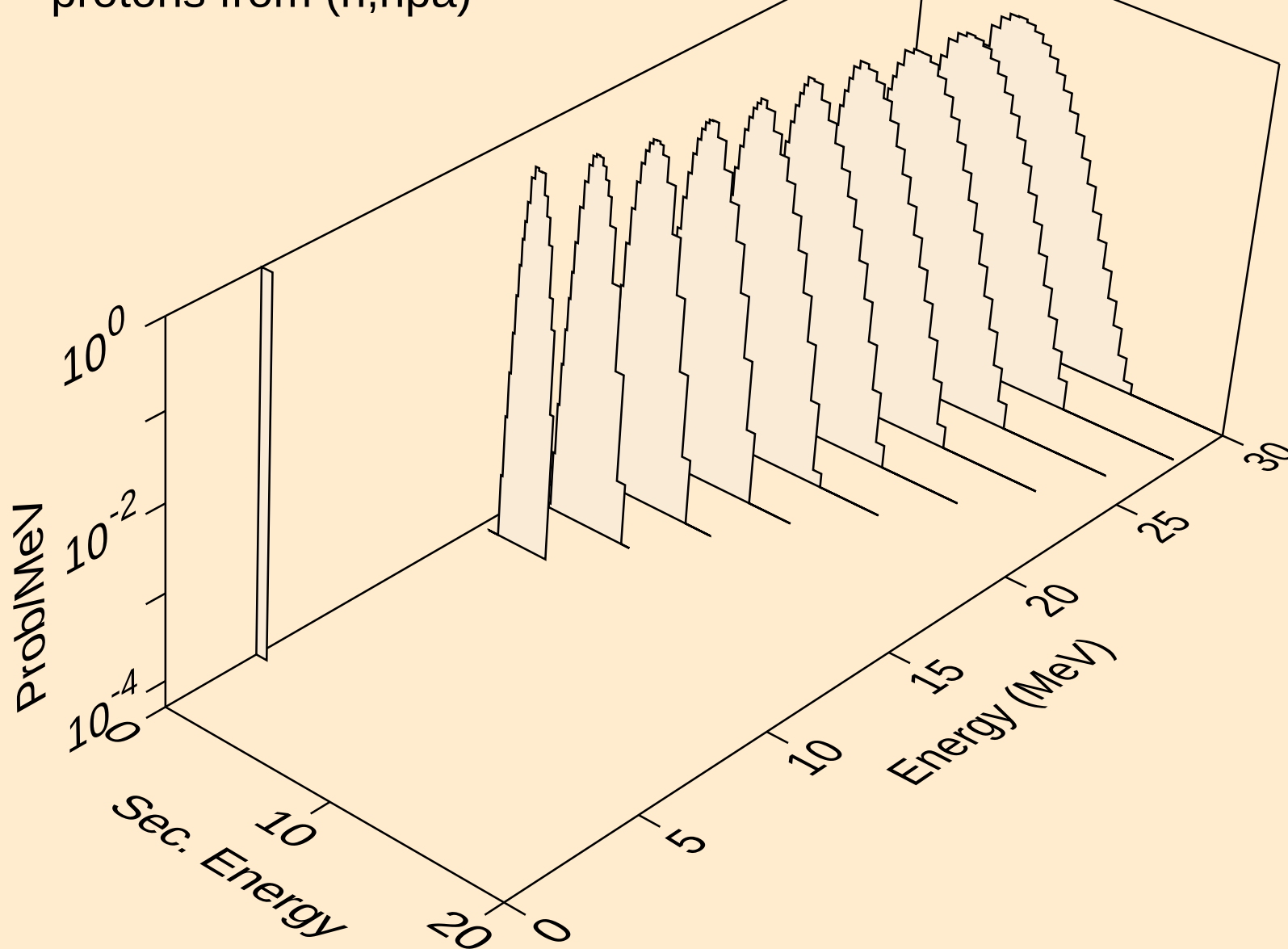
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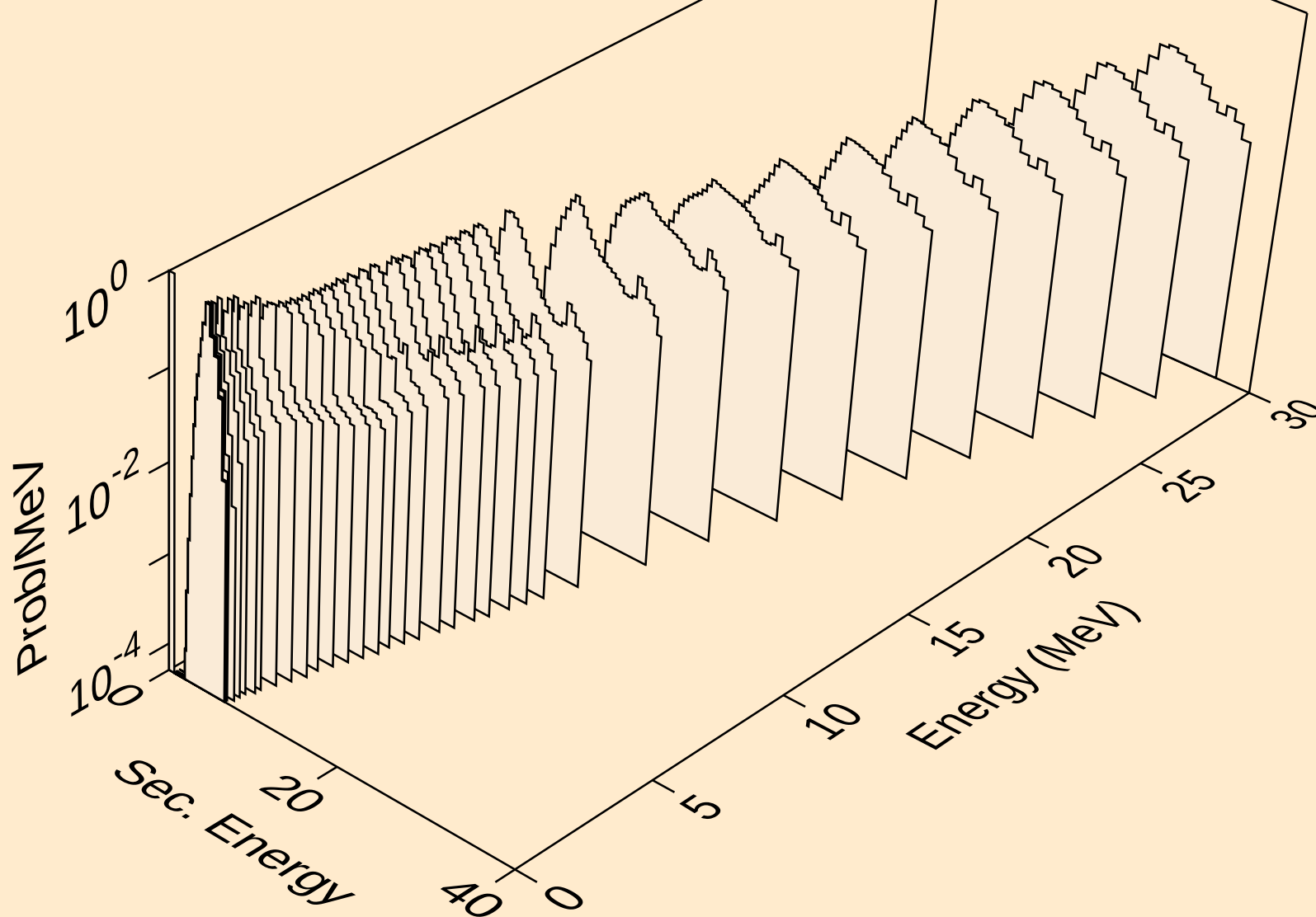
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protons from (n,n2p)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

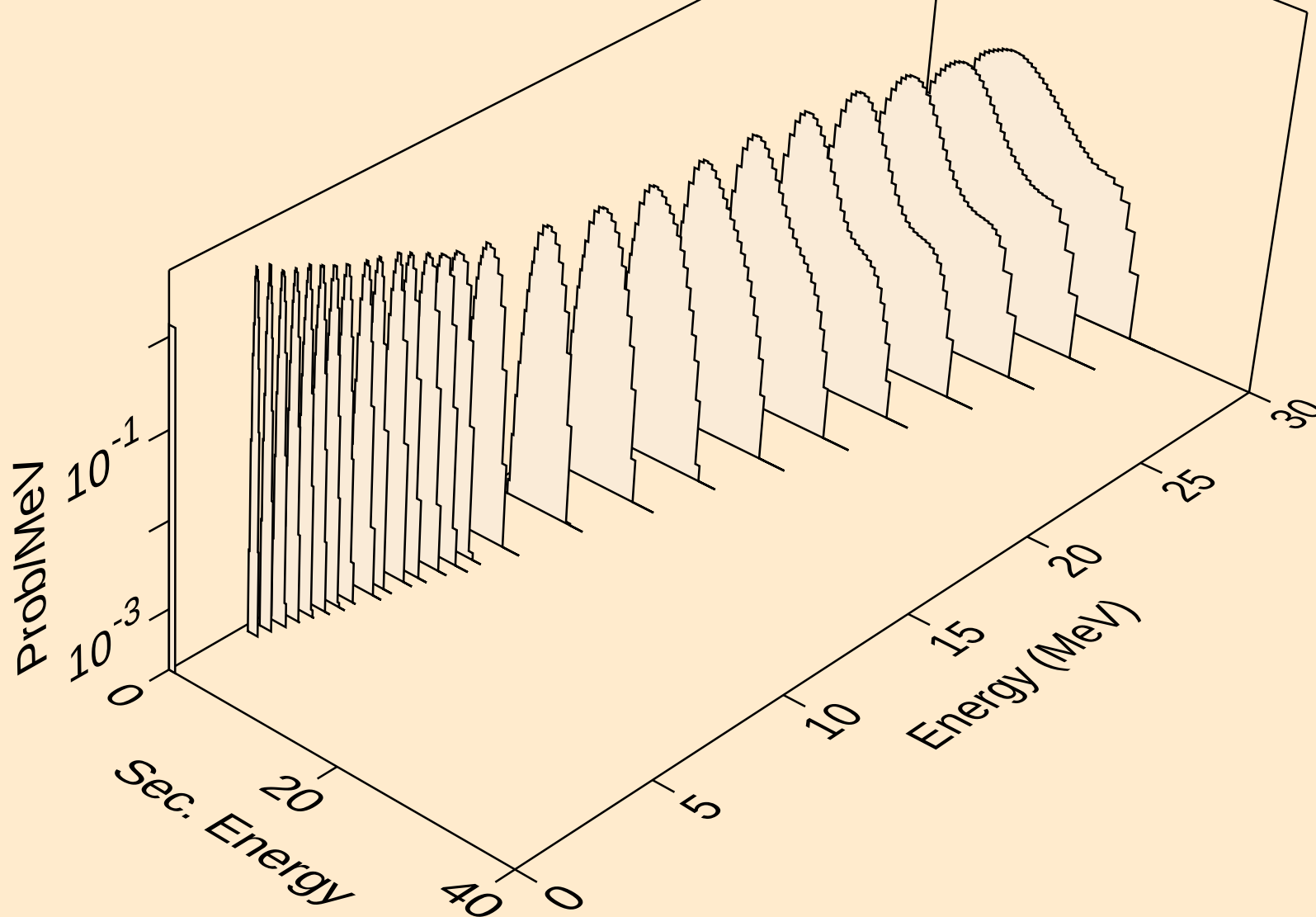


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protons from (n,p)

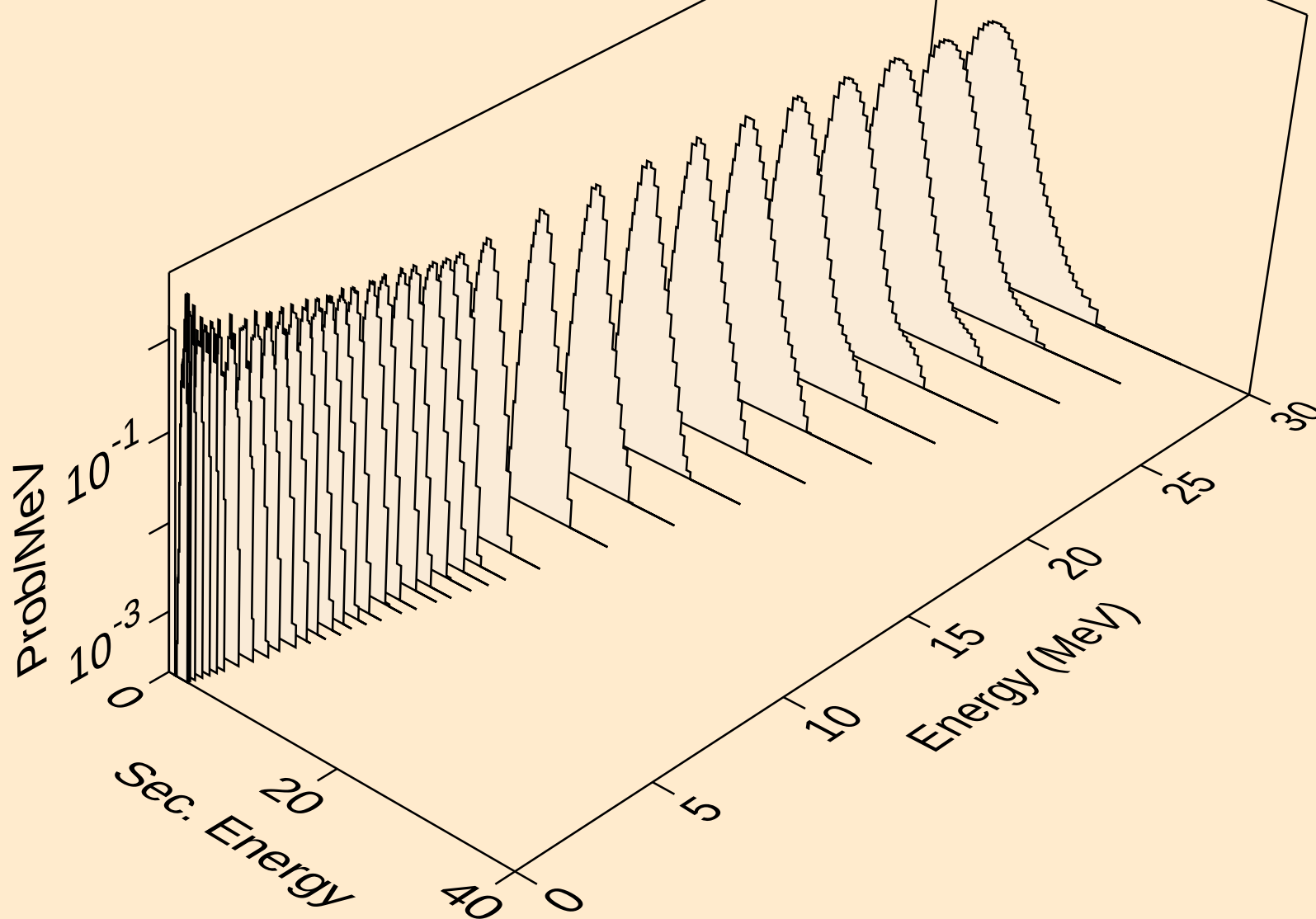




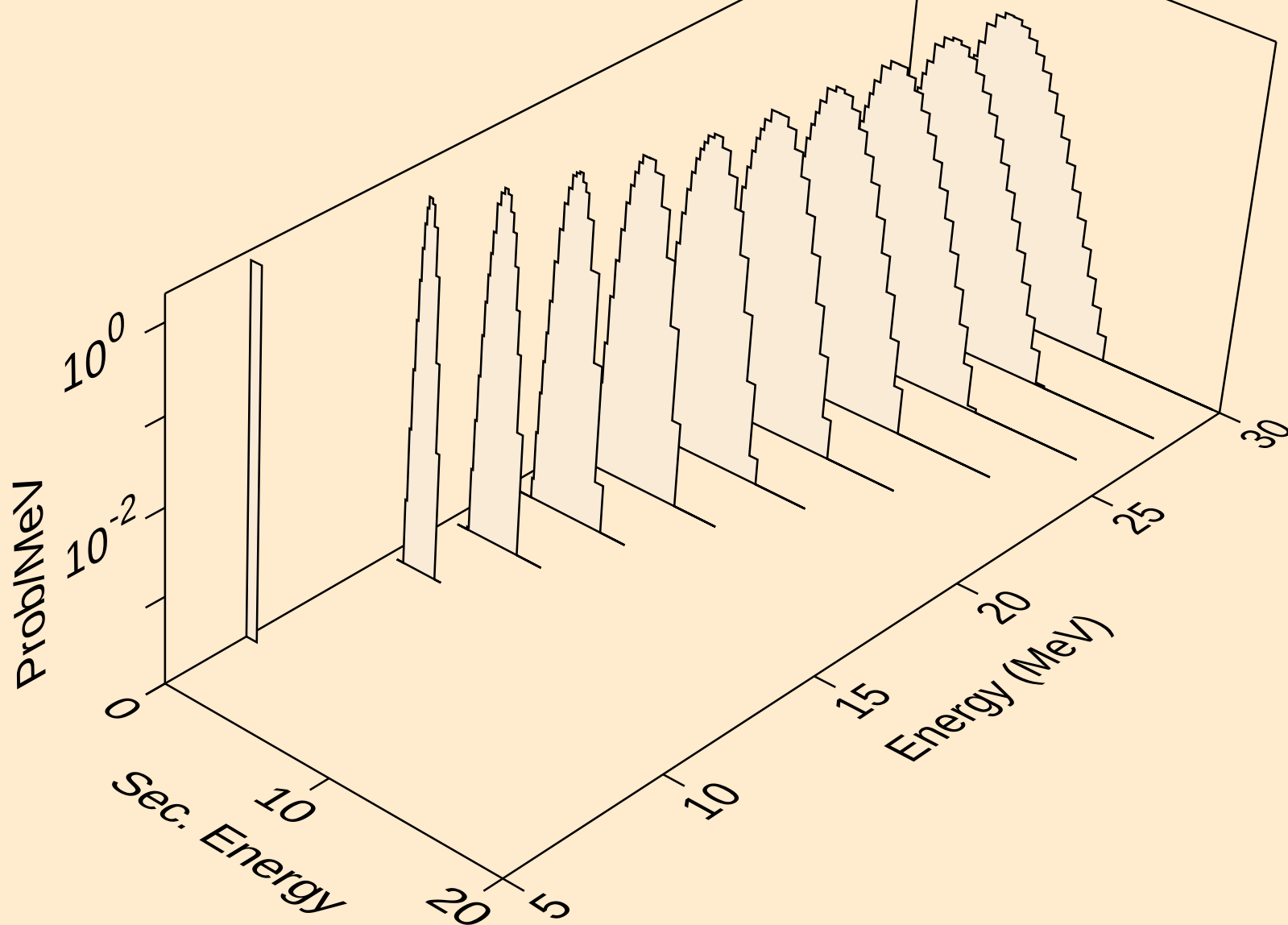
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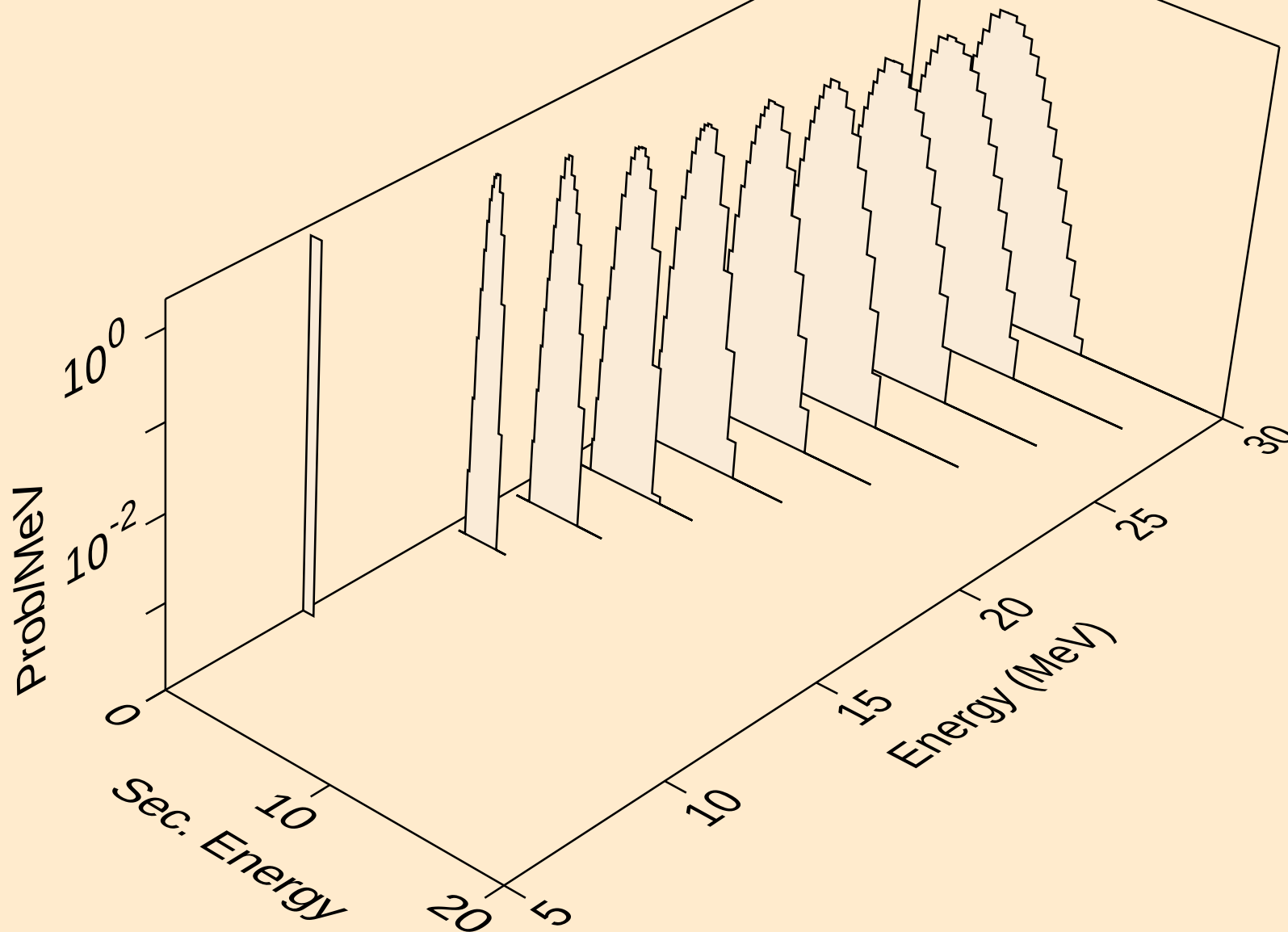
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protons from (n,p)



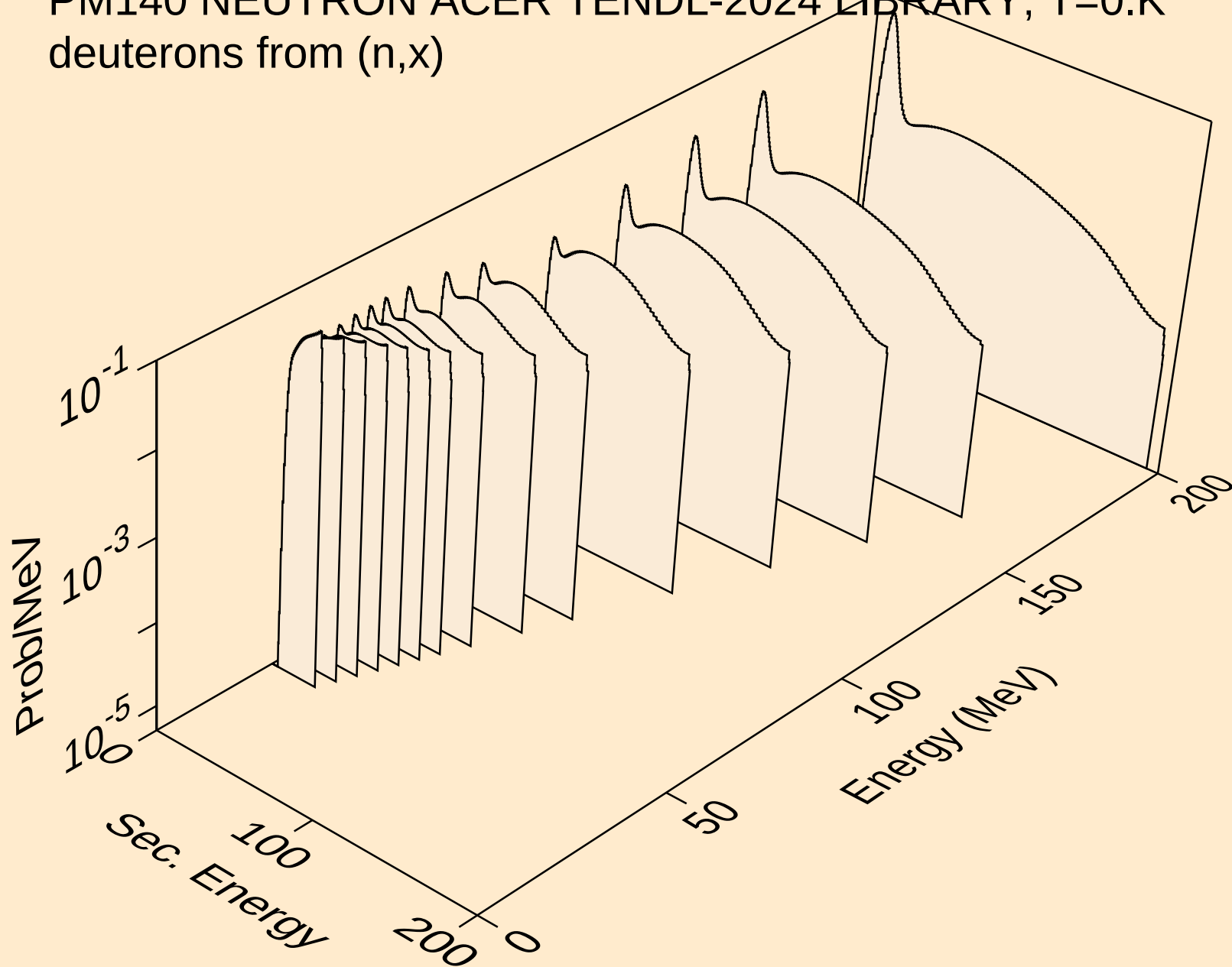
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protons from (n,pd)



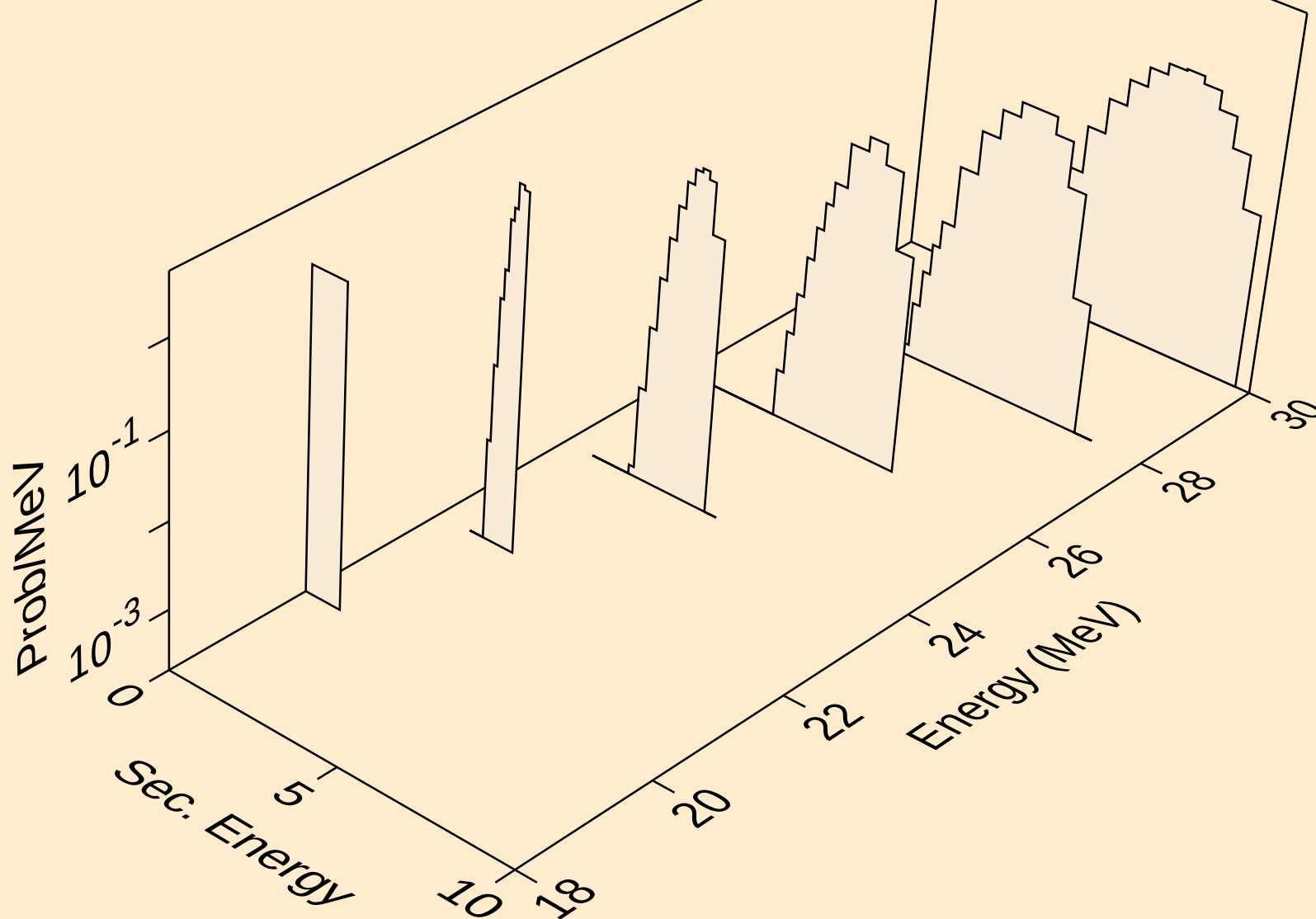
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protons from (n,pt)



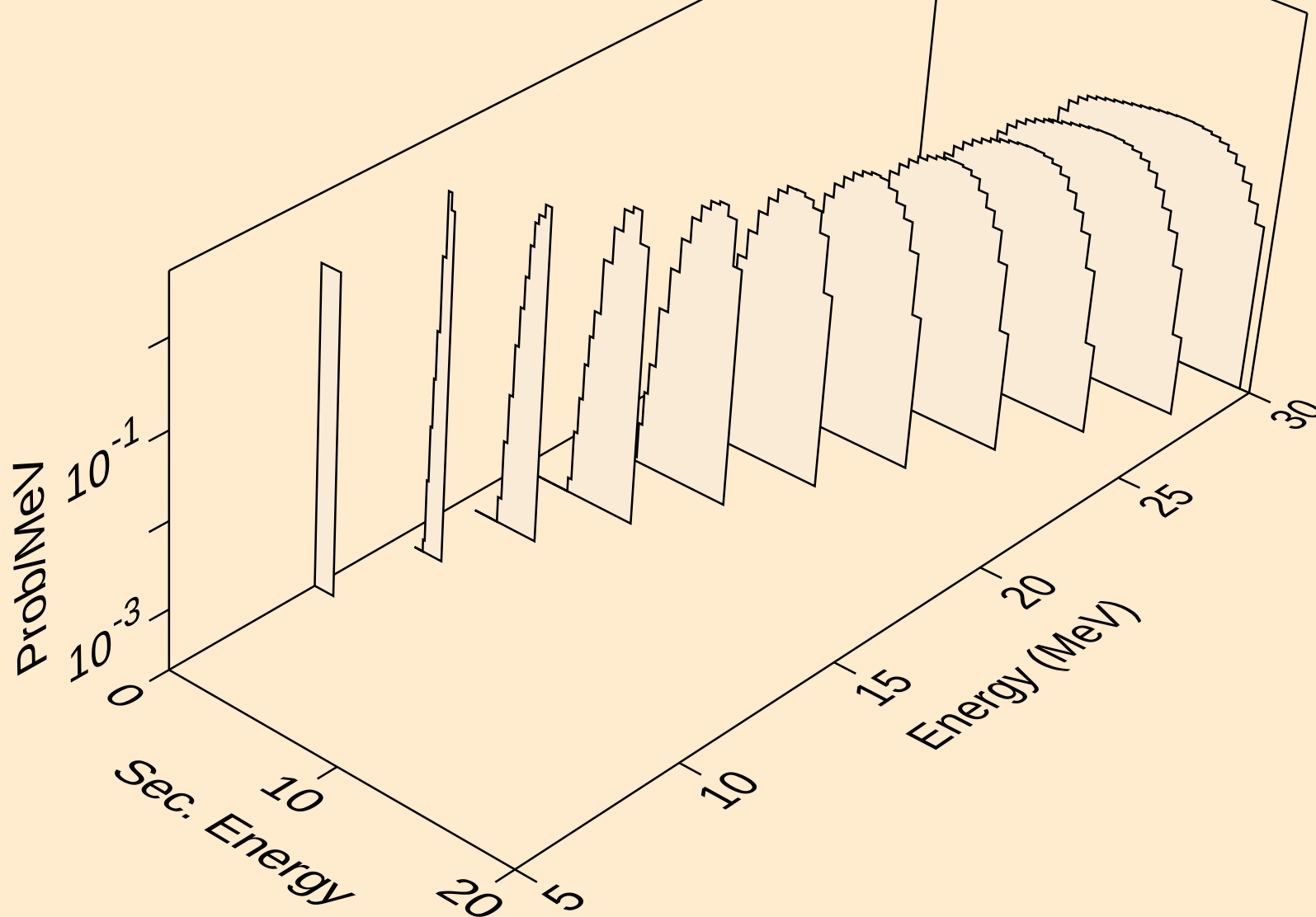
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deuterons from (n,x)



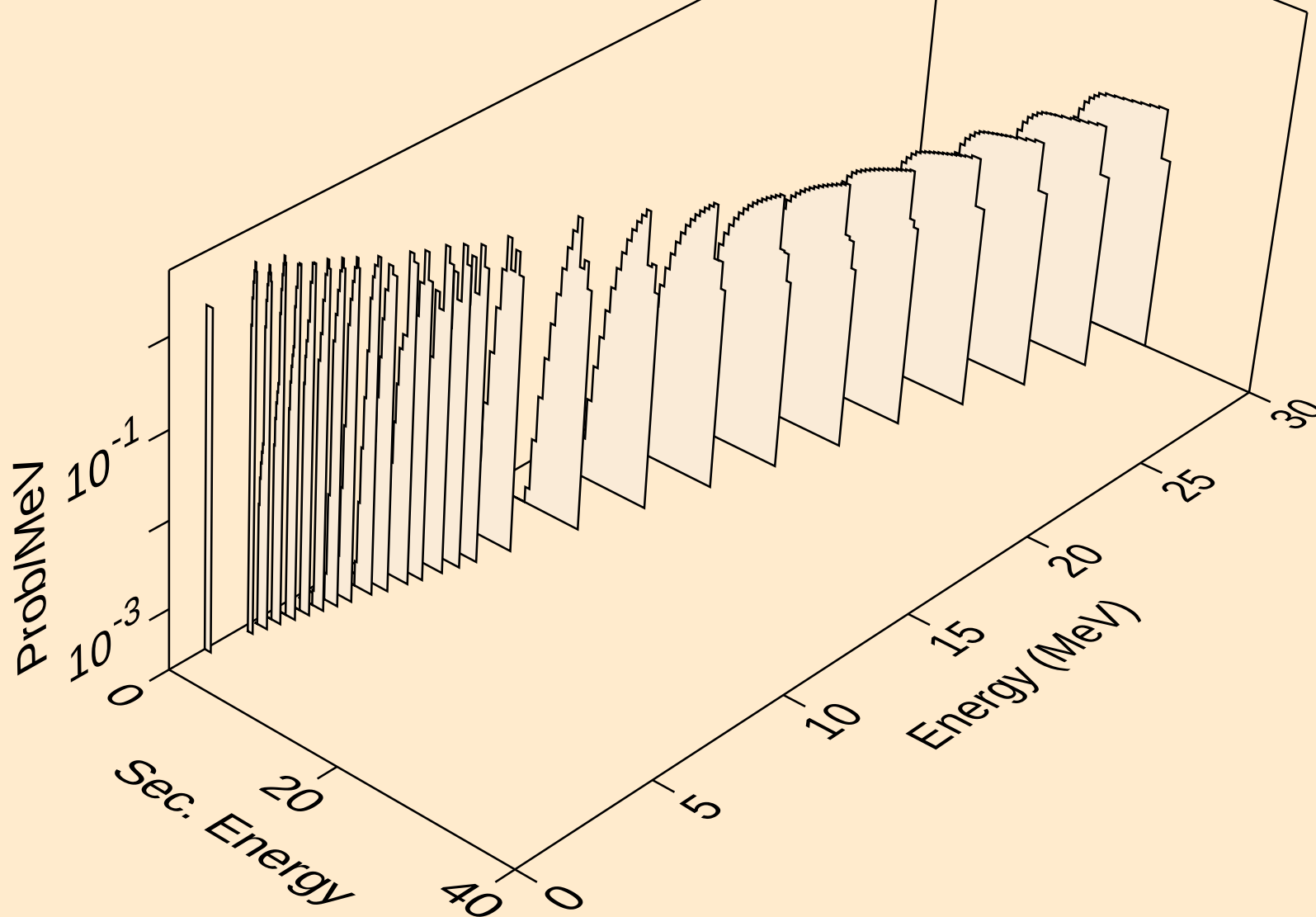
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

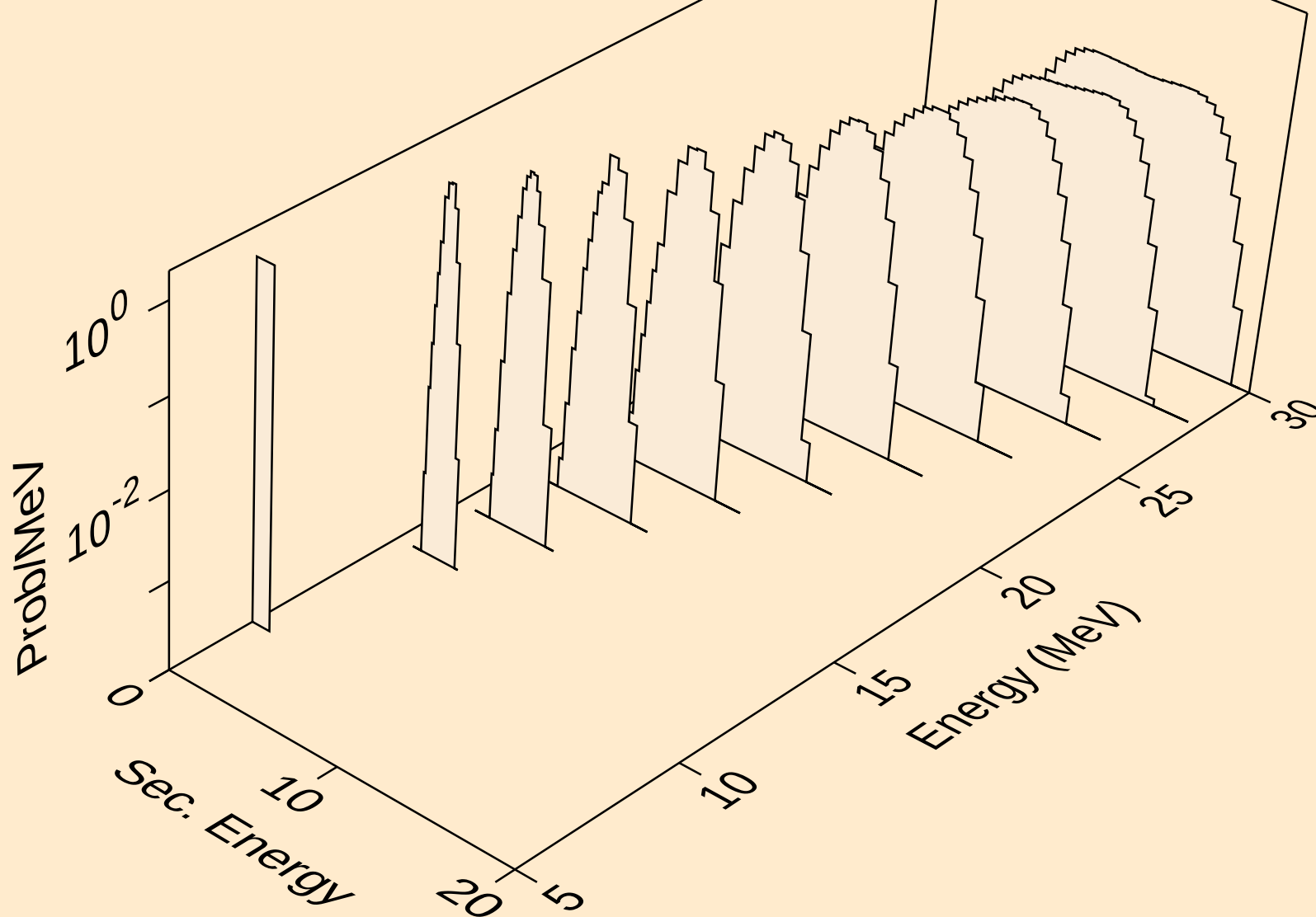


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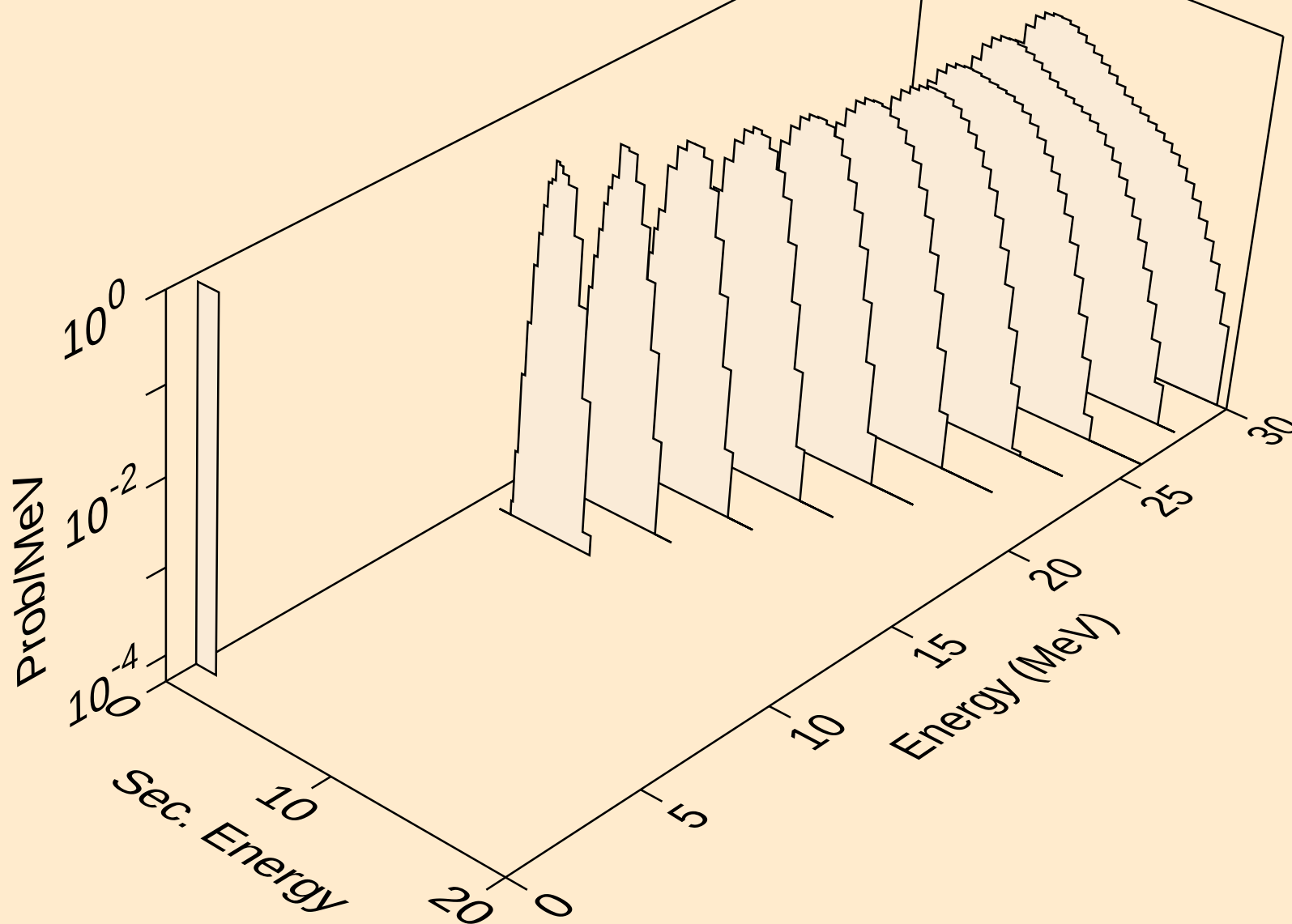




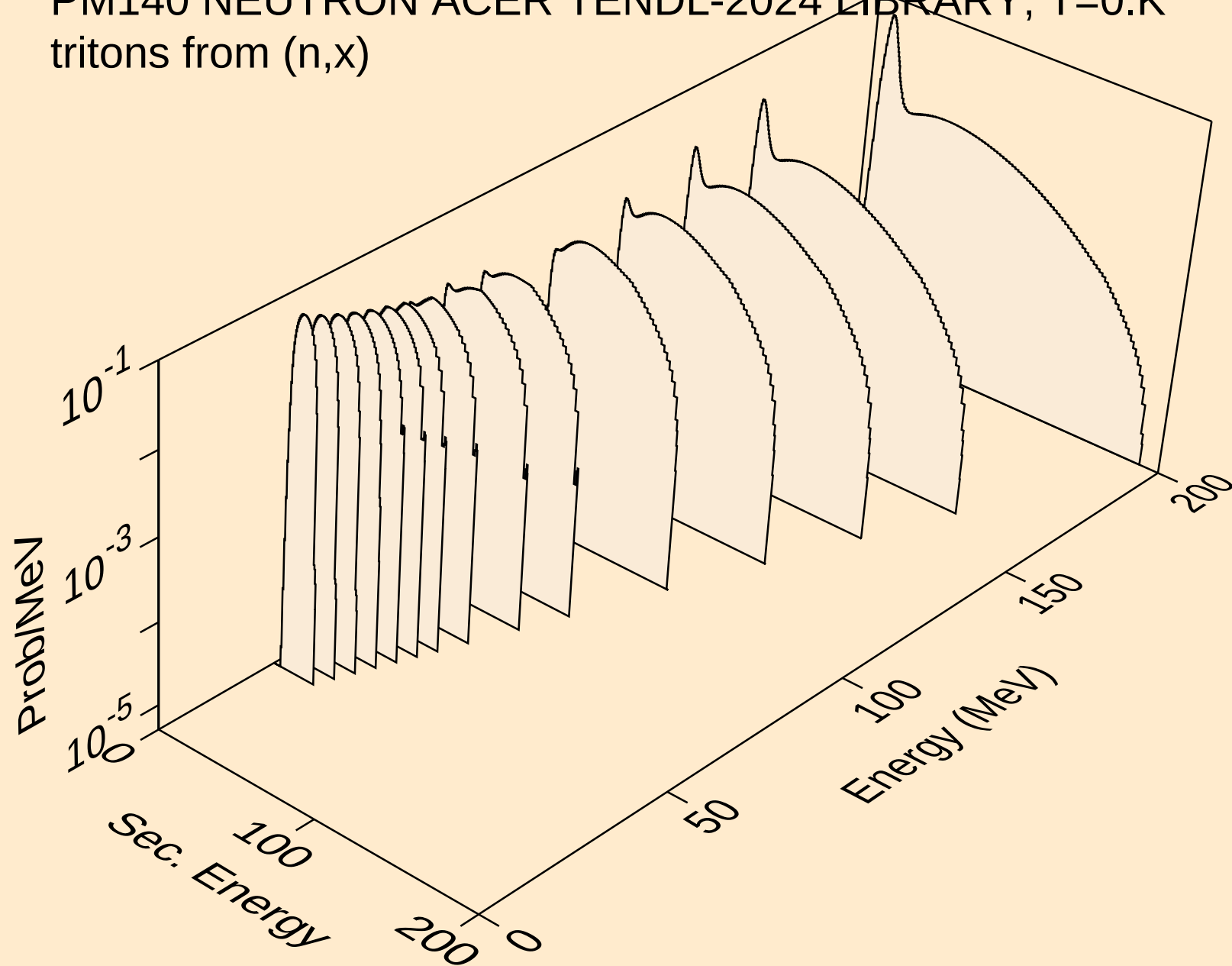
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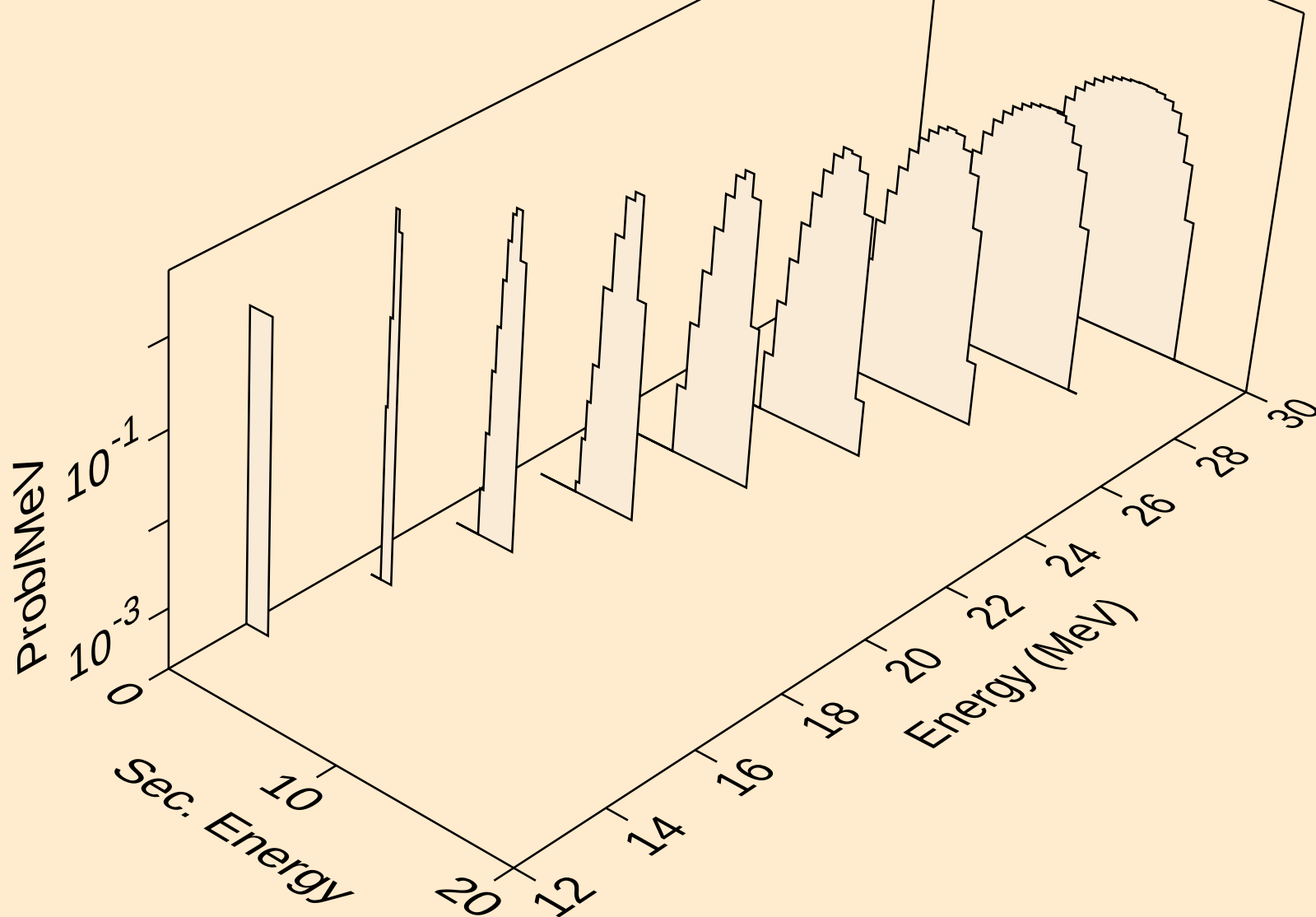
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deuterons from (n,da)



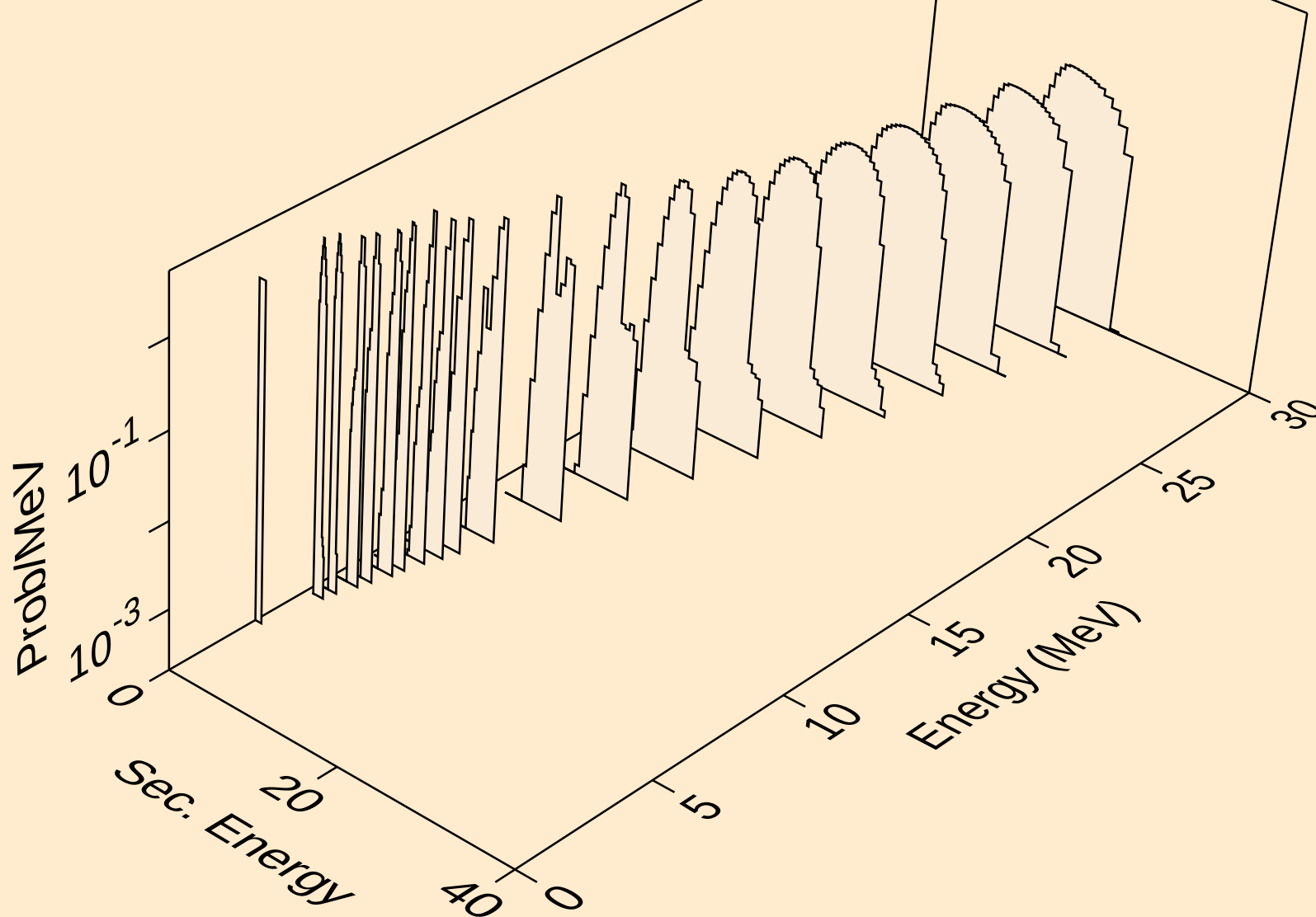
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tritons from (n,x)



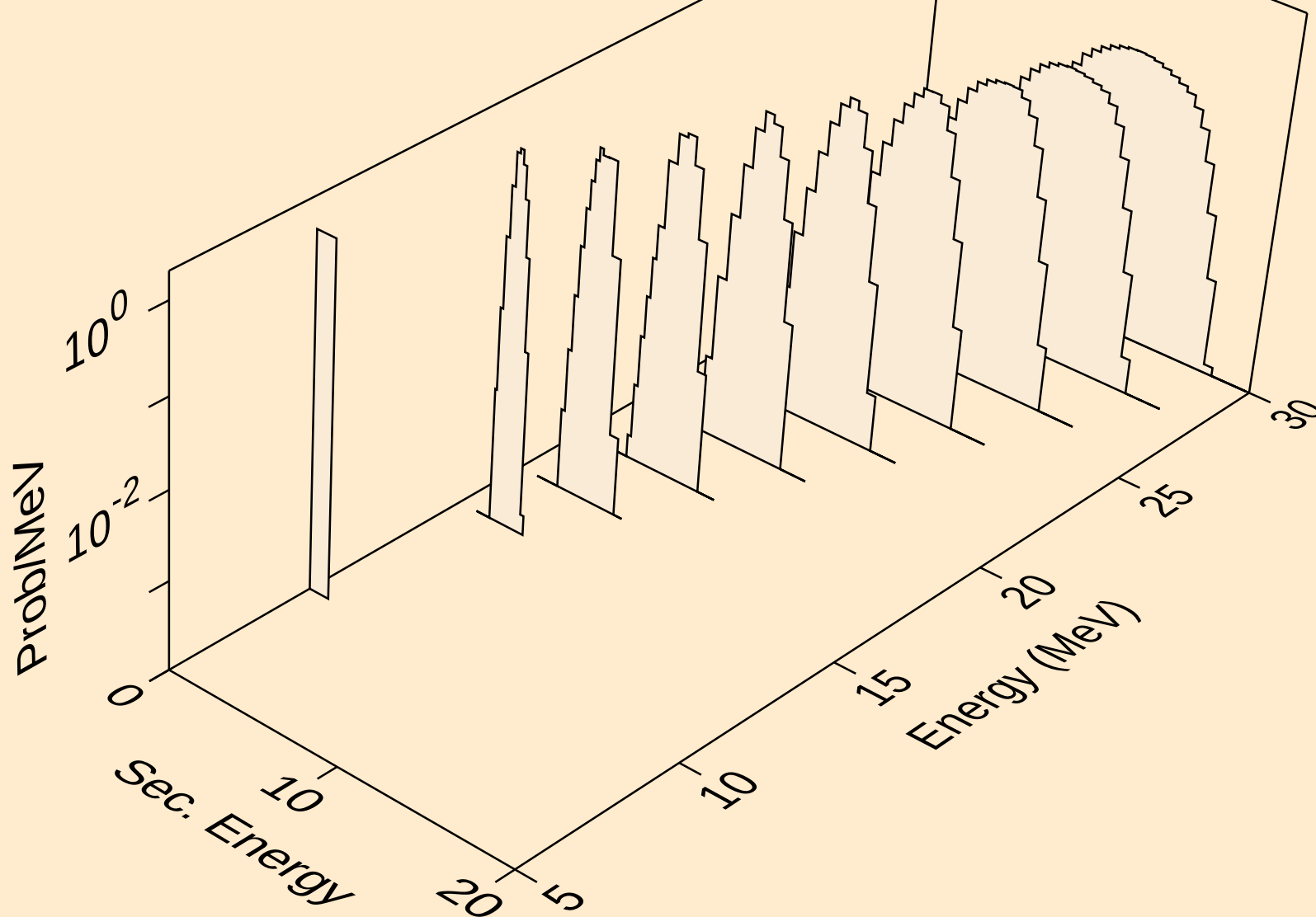
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tritons from (n,n\*)t



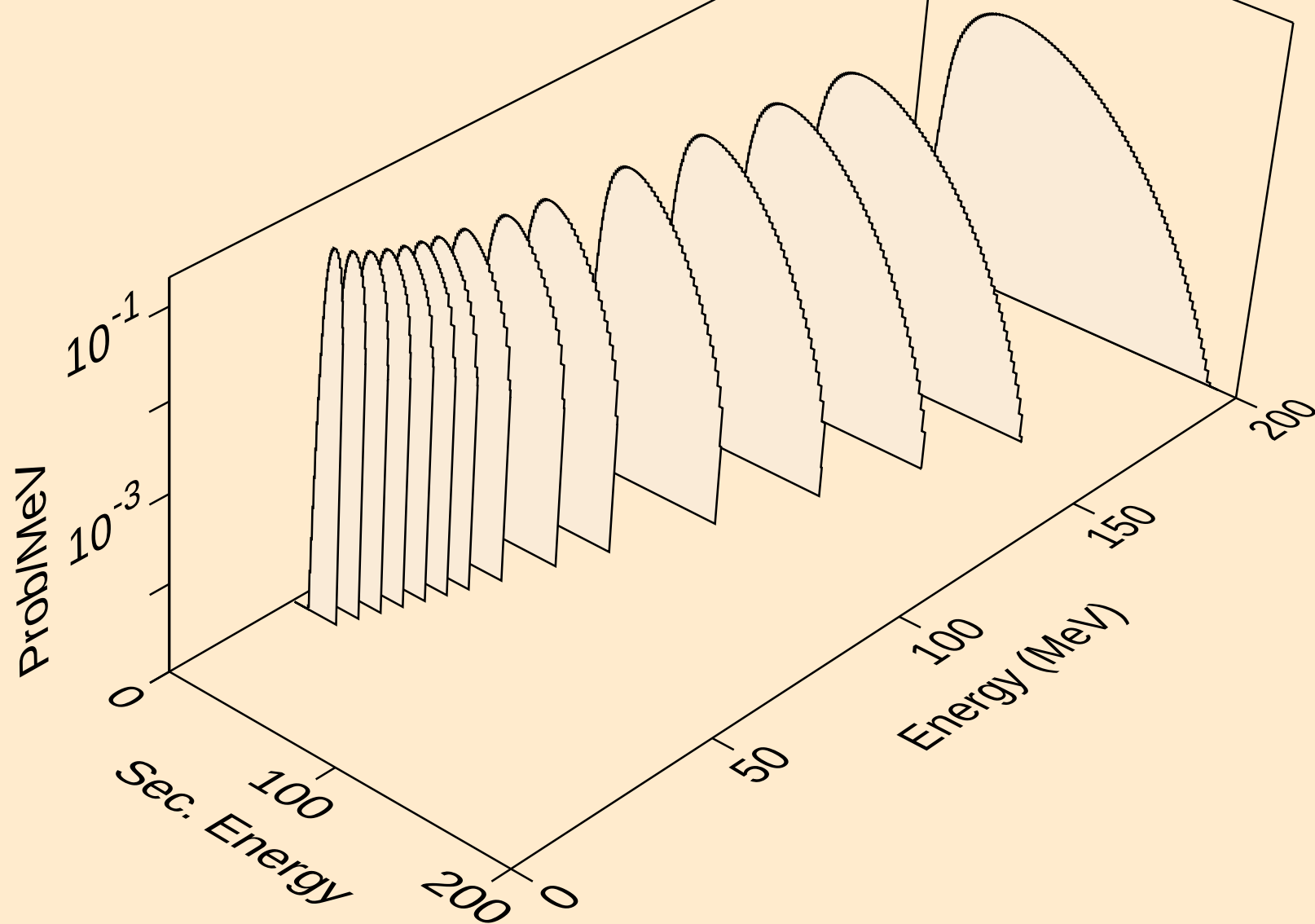
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tritons from (n,t)



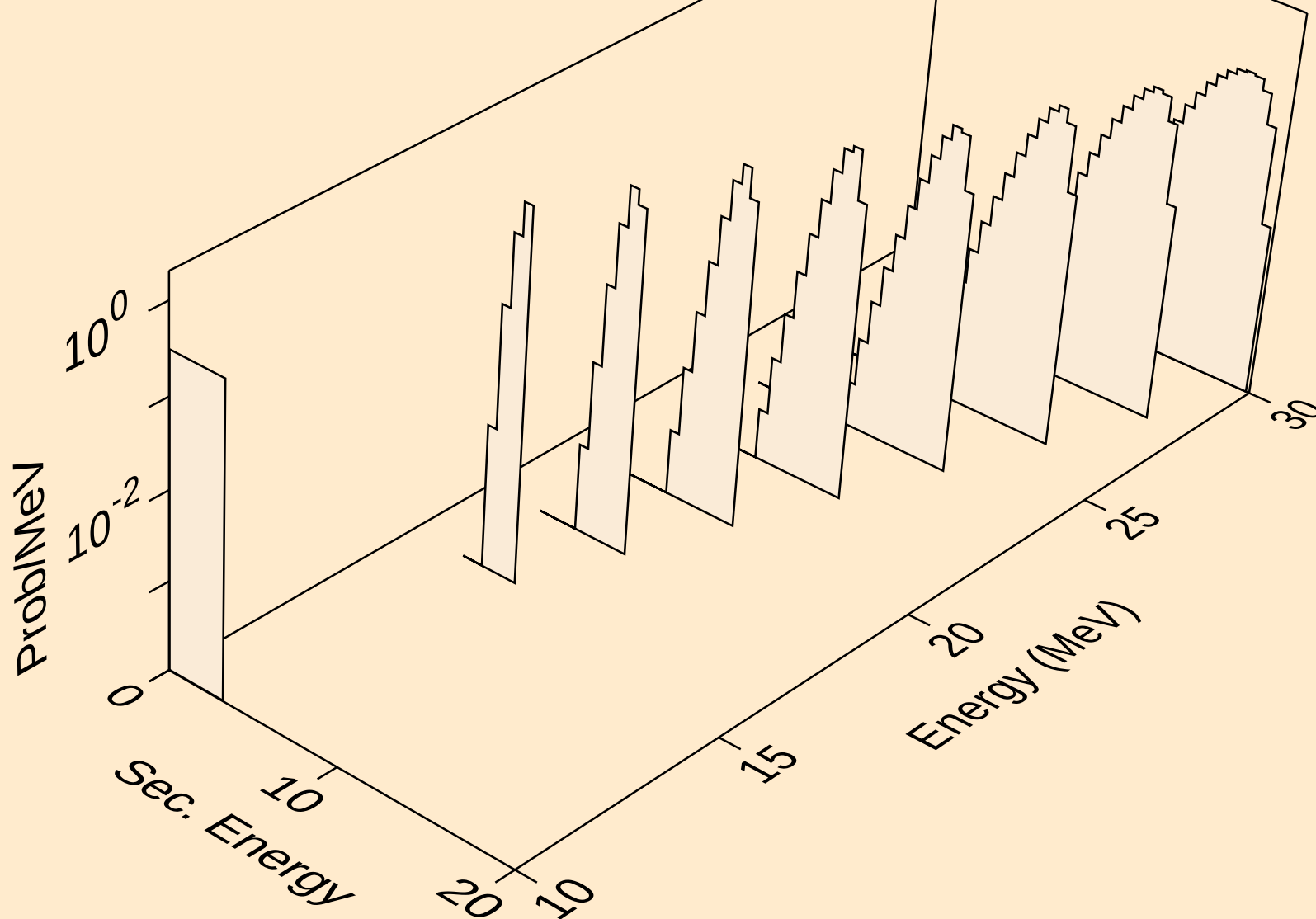
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

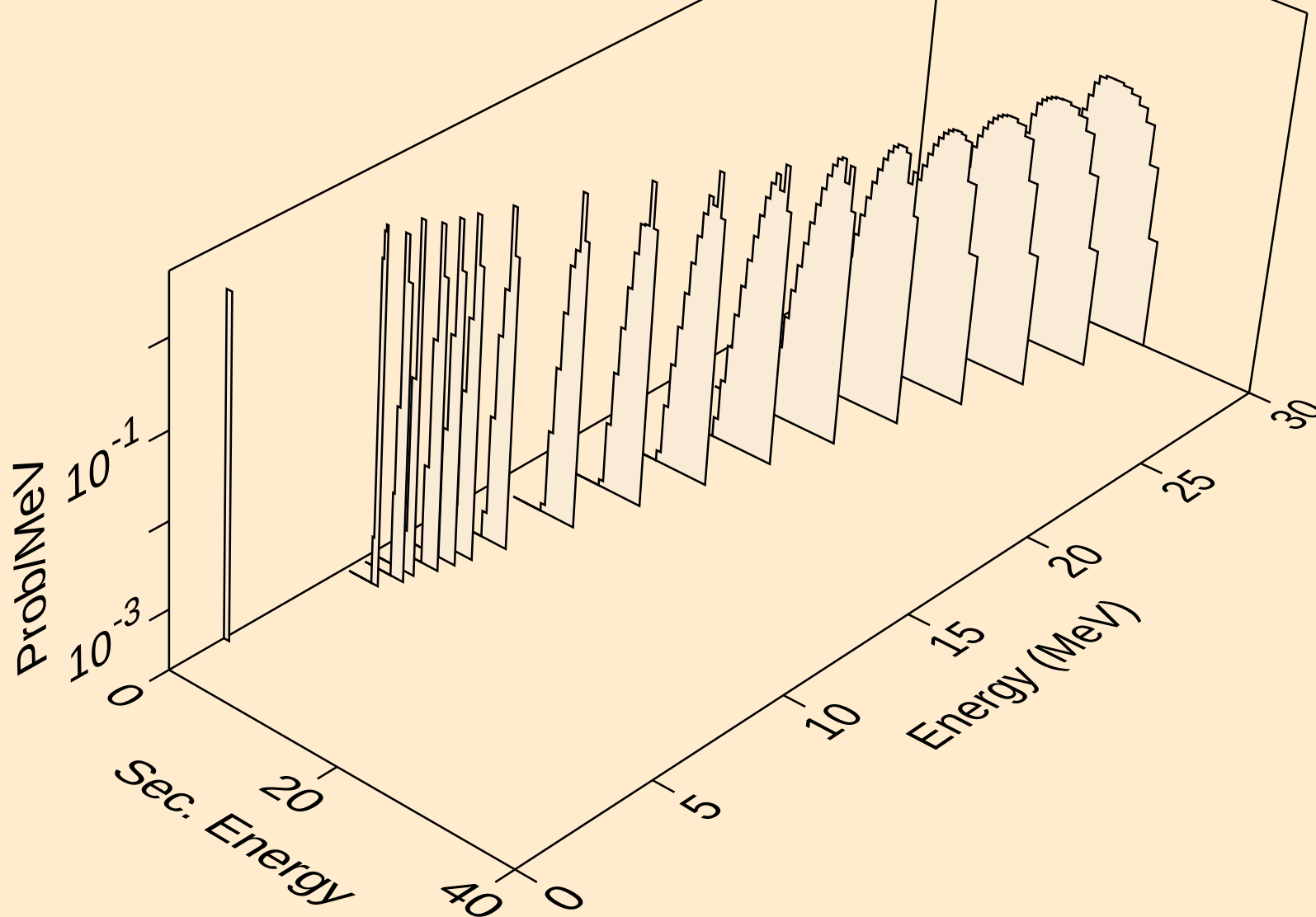


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

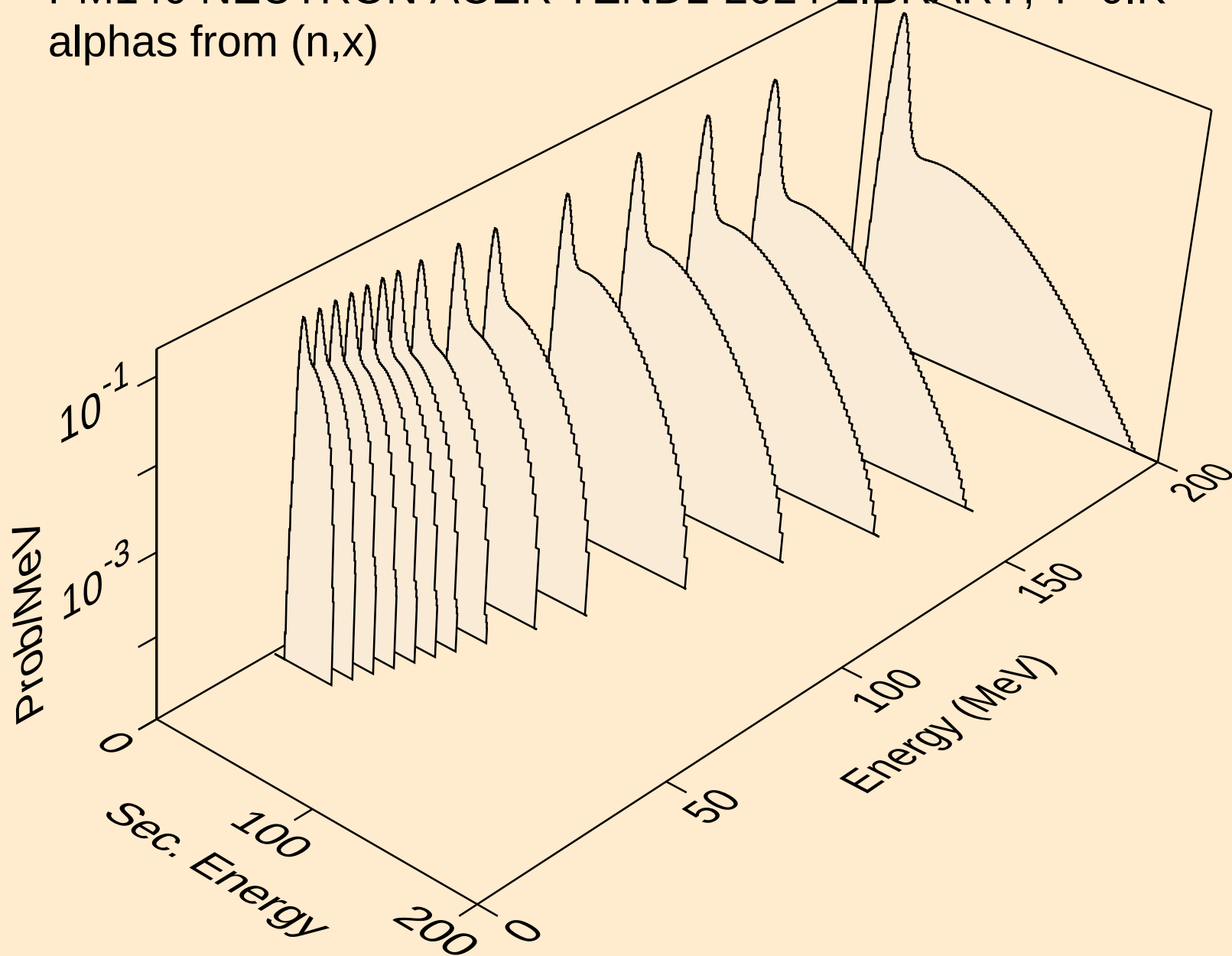




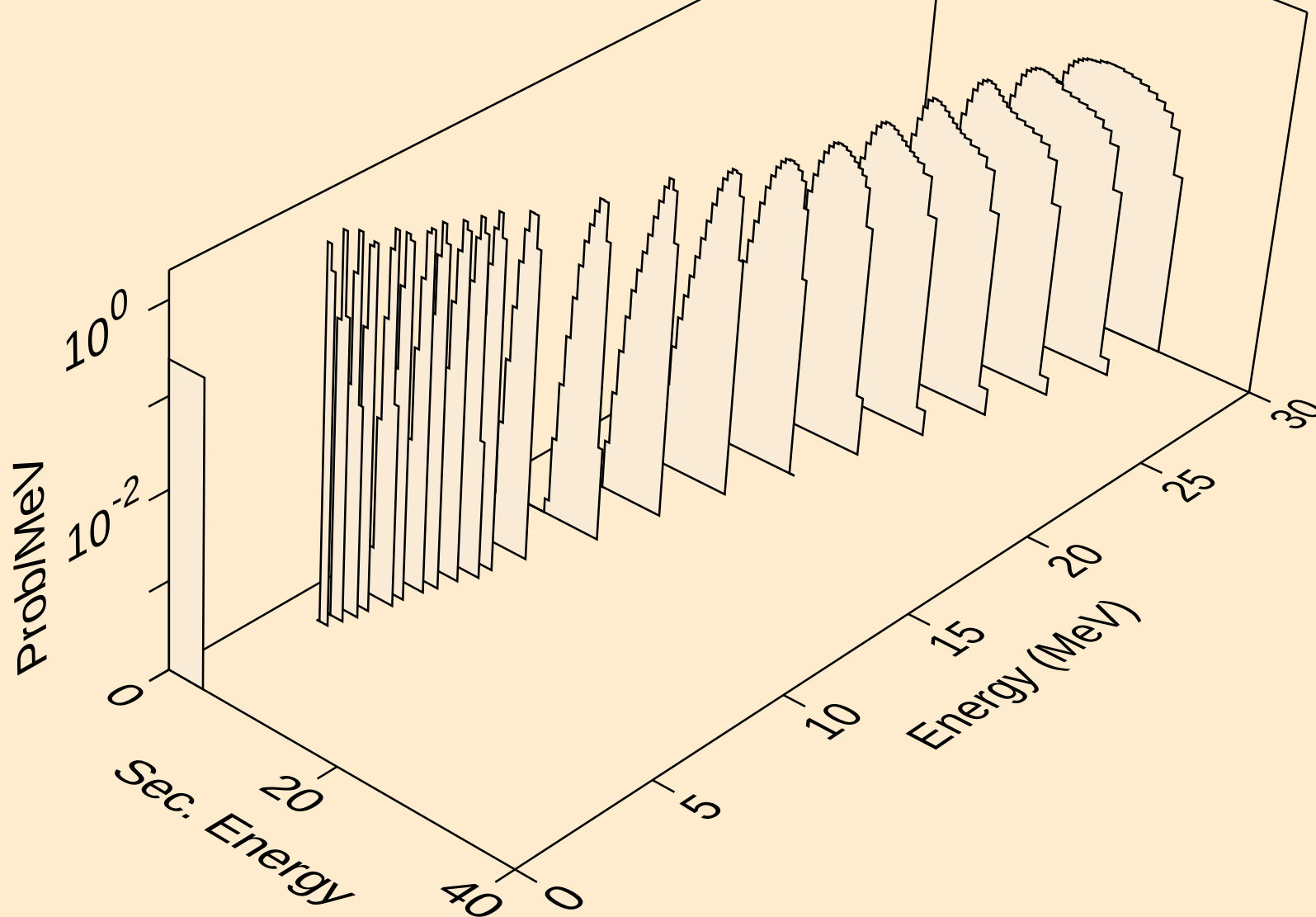
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



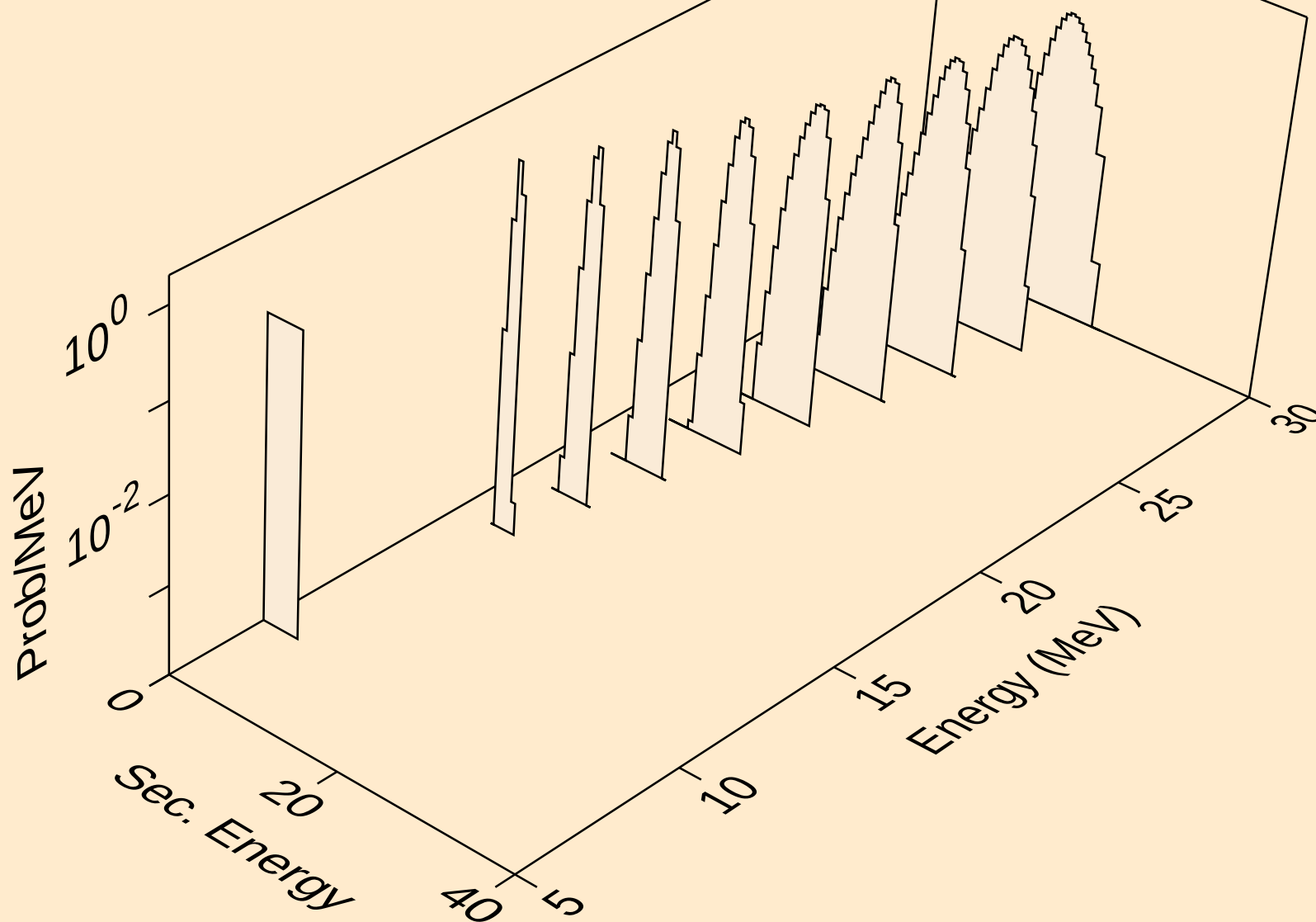
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



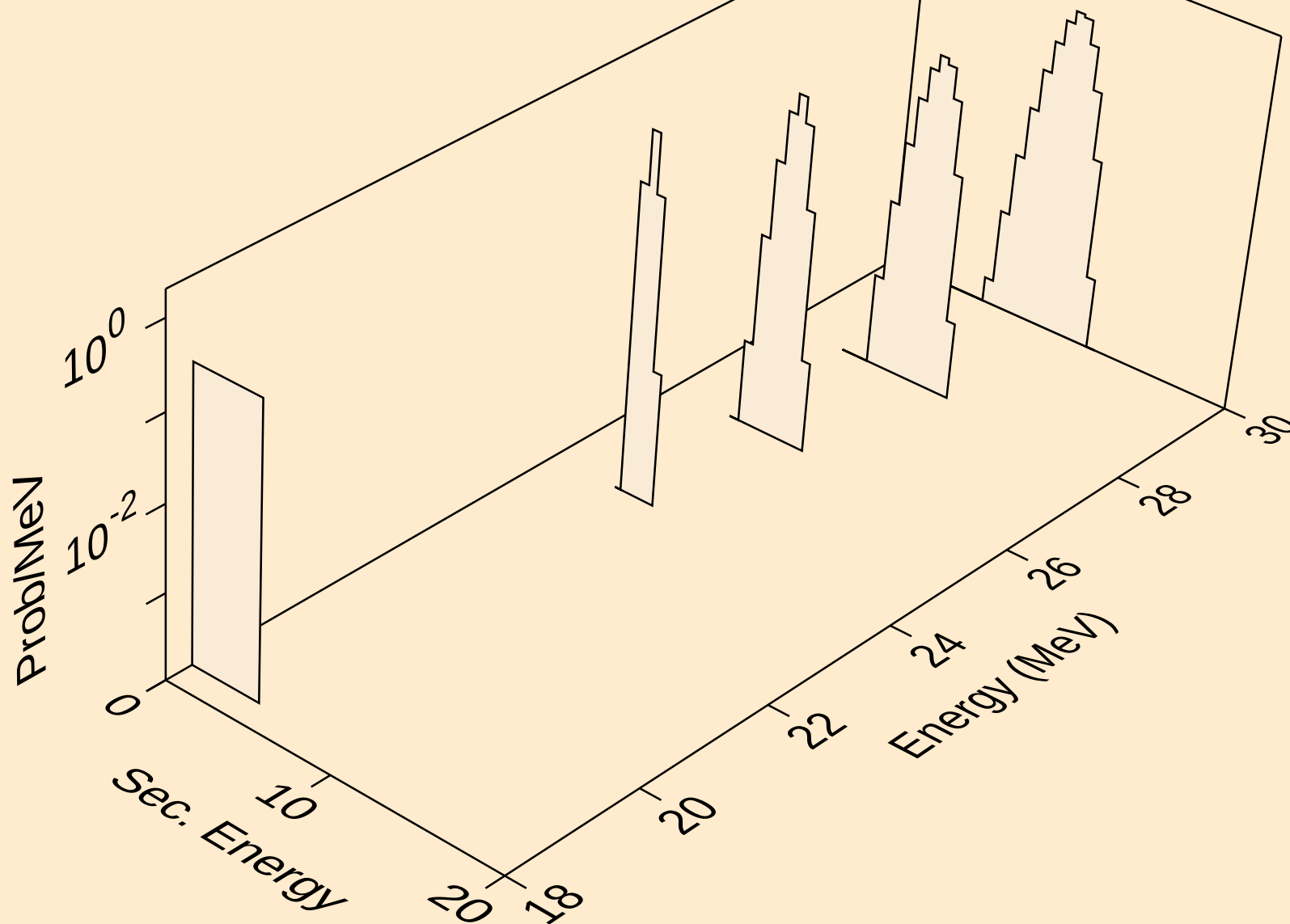
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



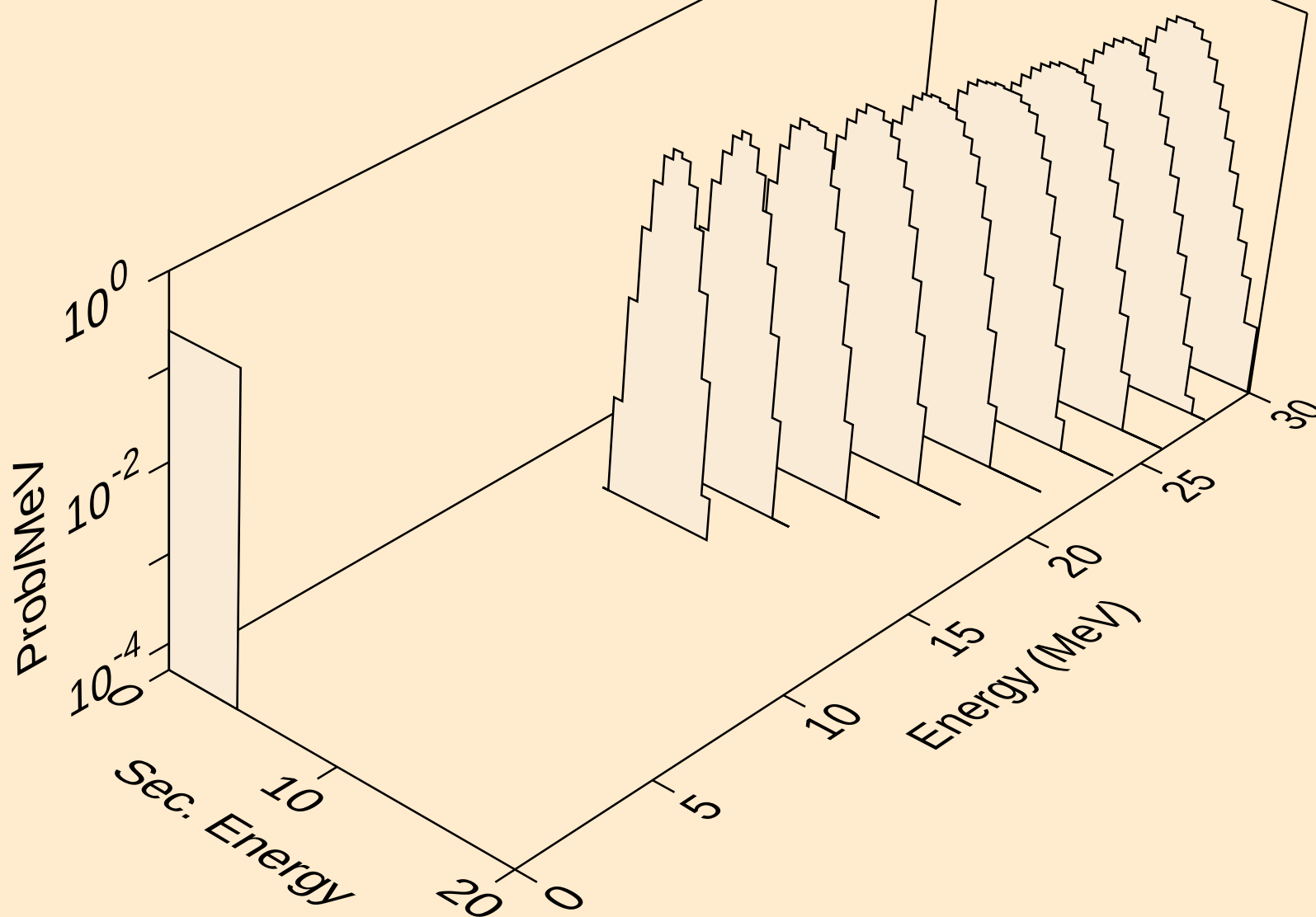
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



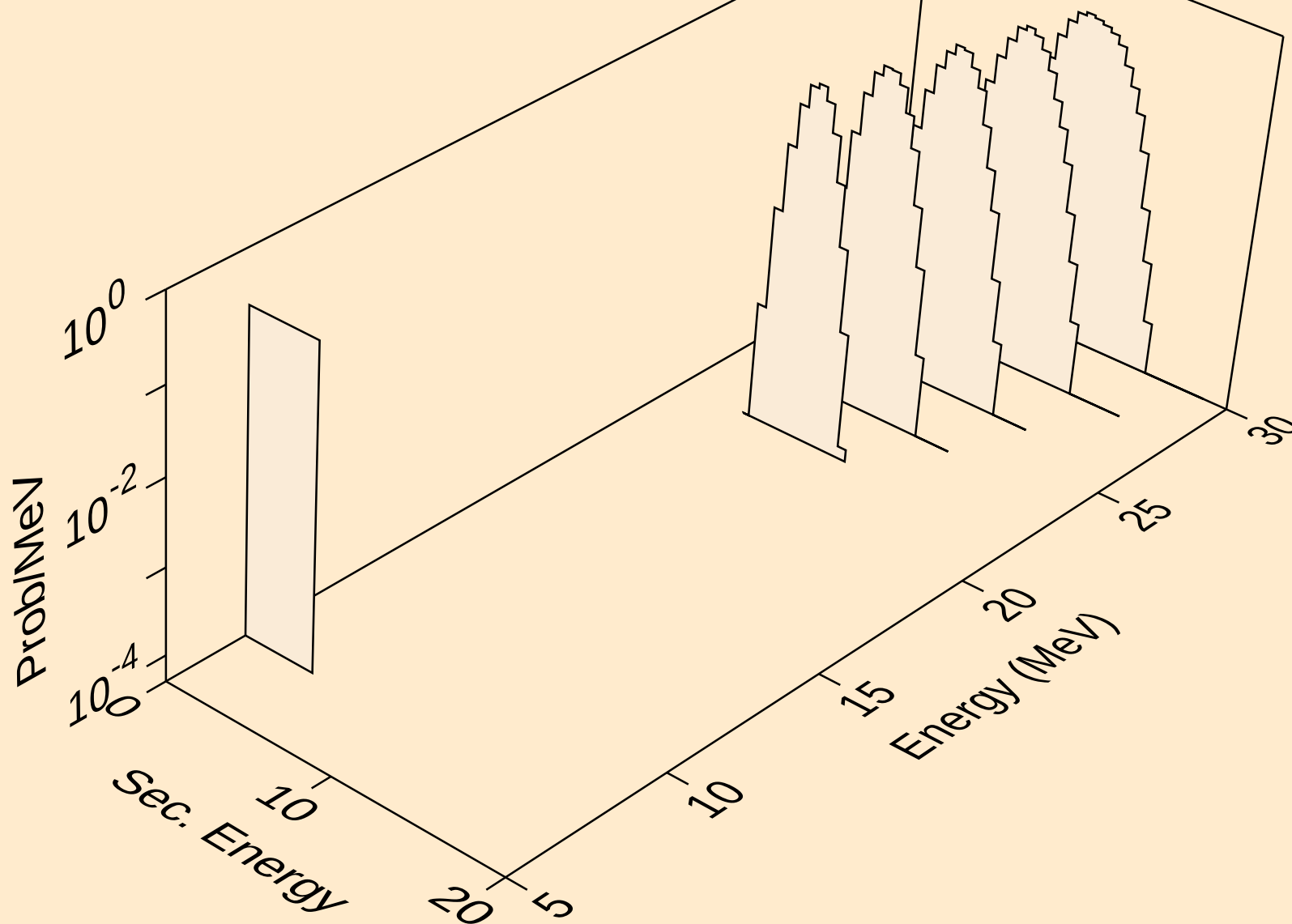
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



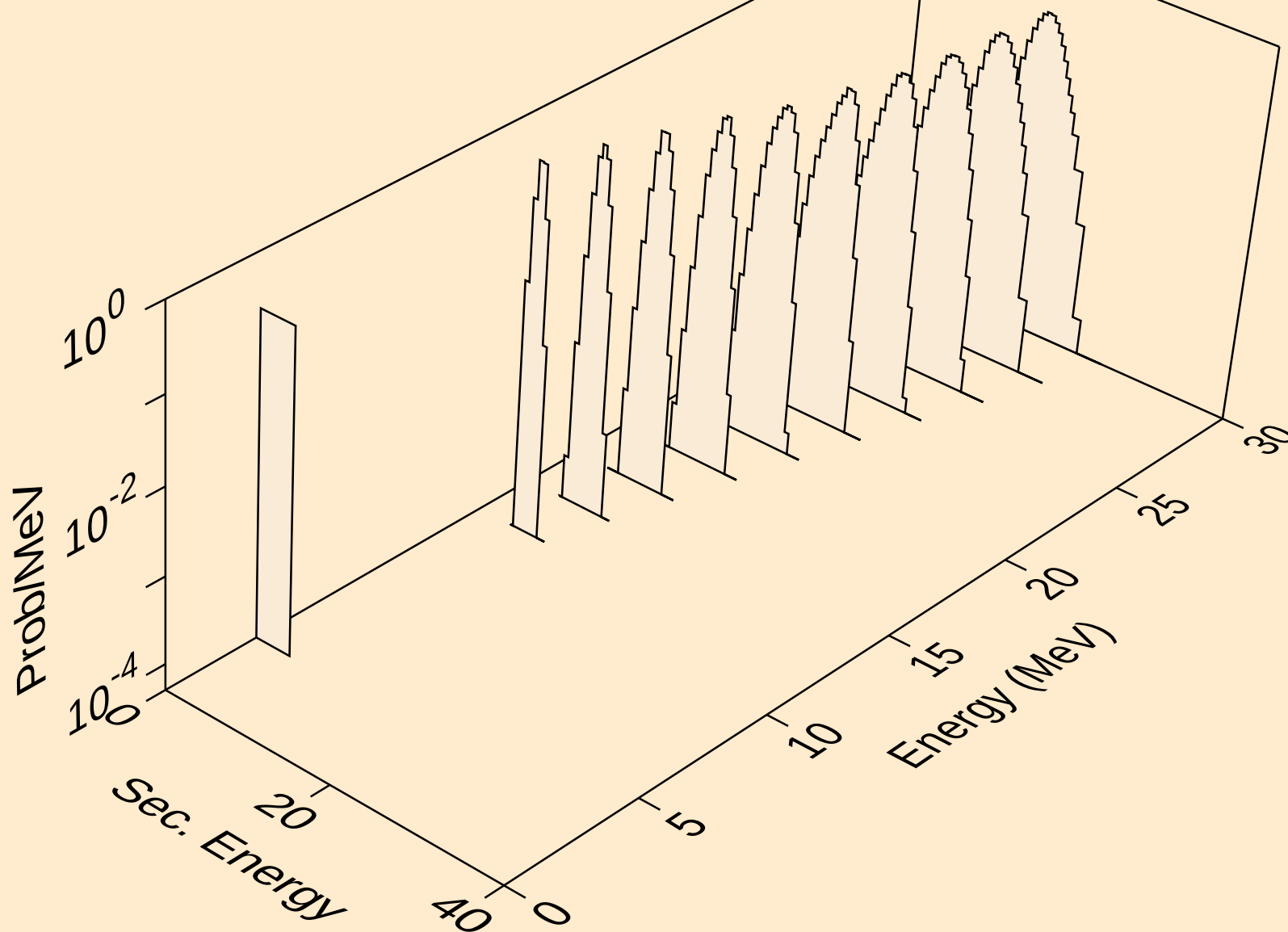
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

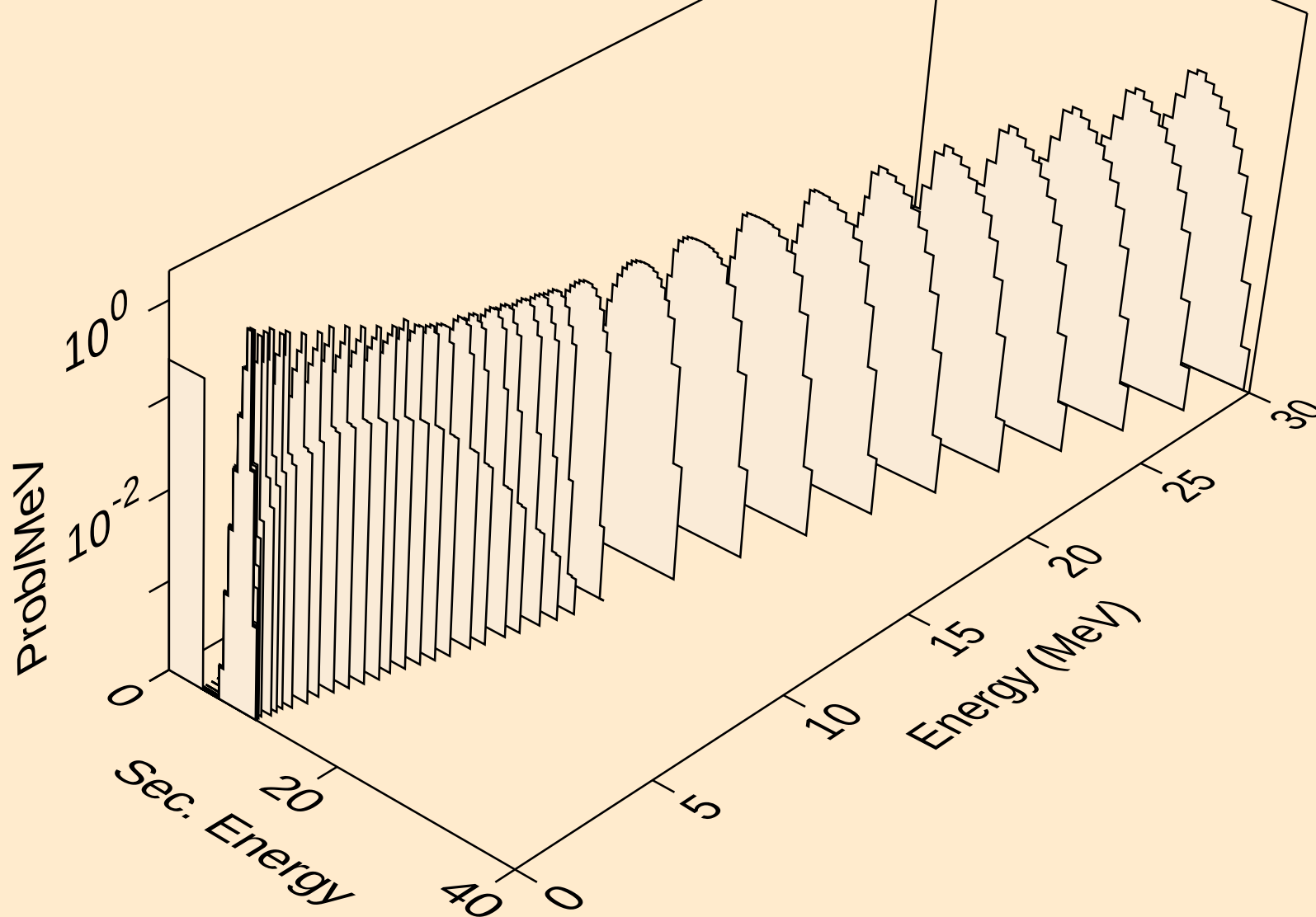


PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

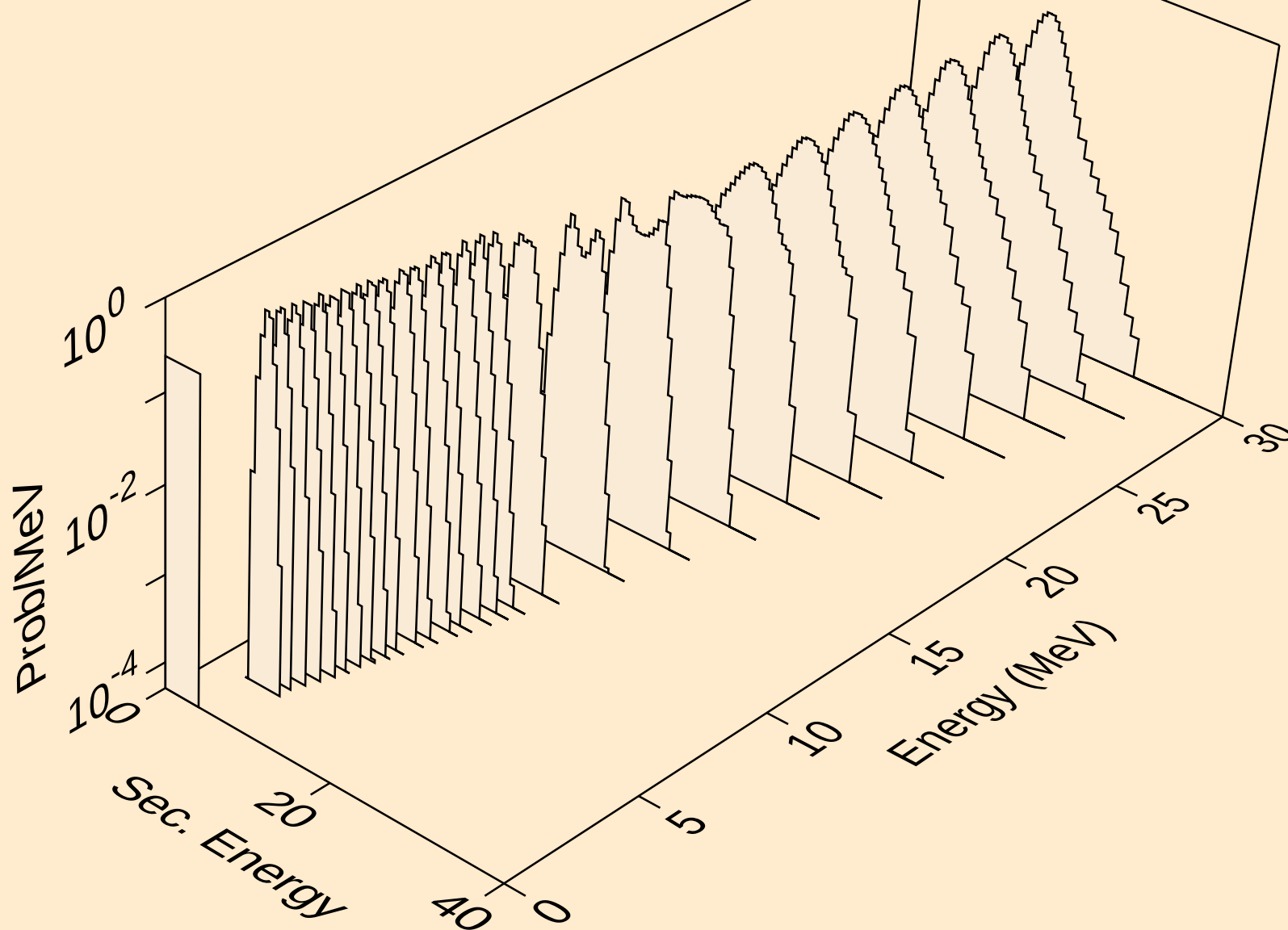




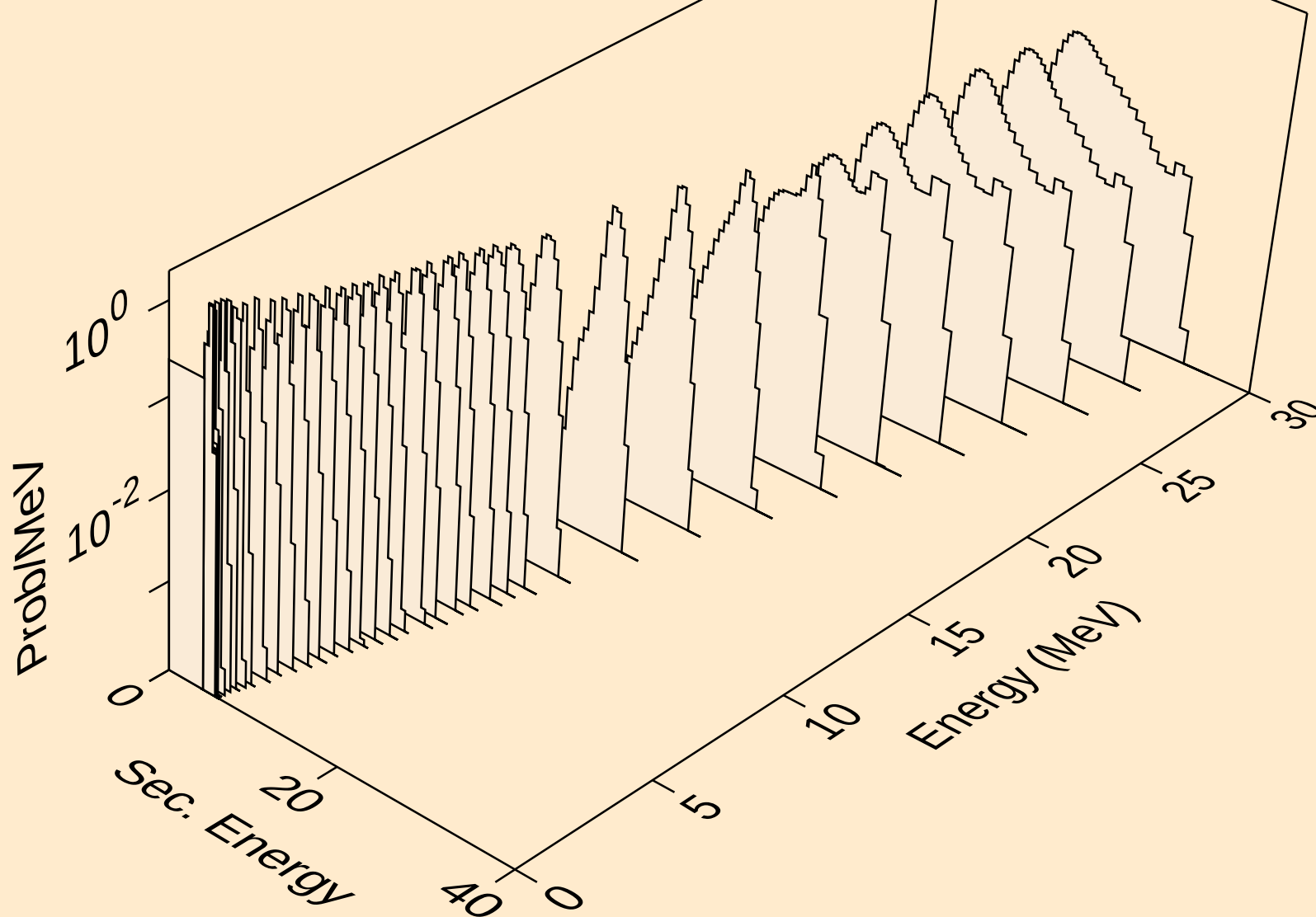
PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



PM140 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

