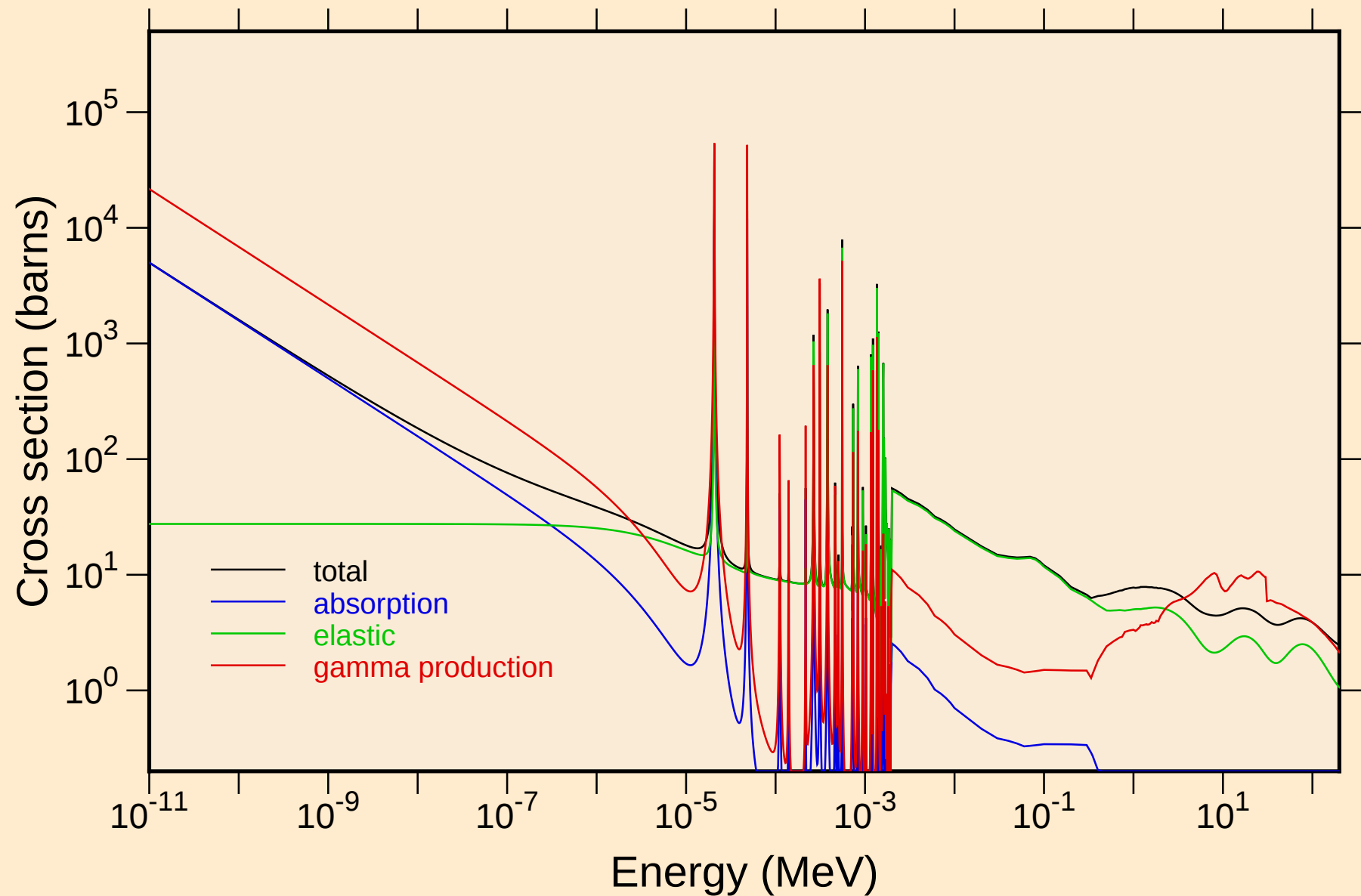
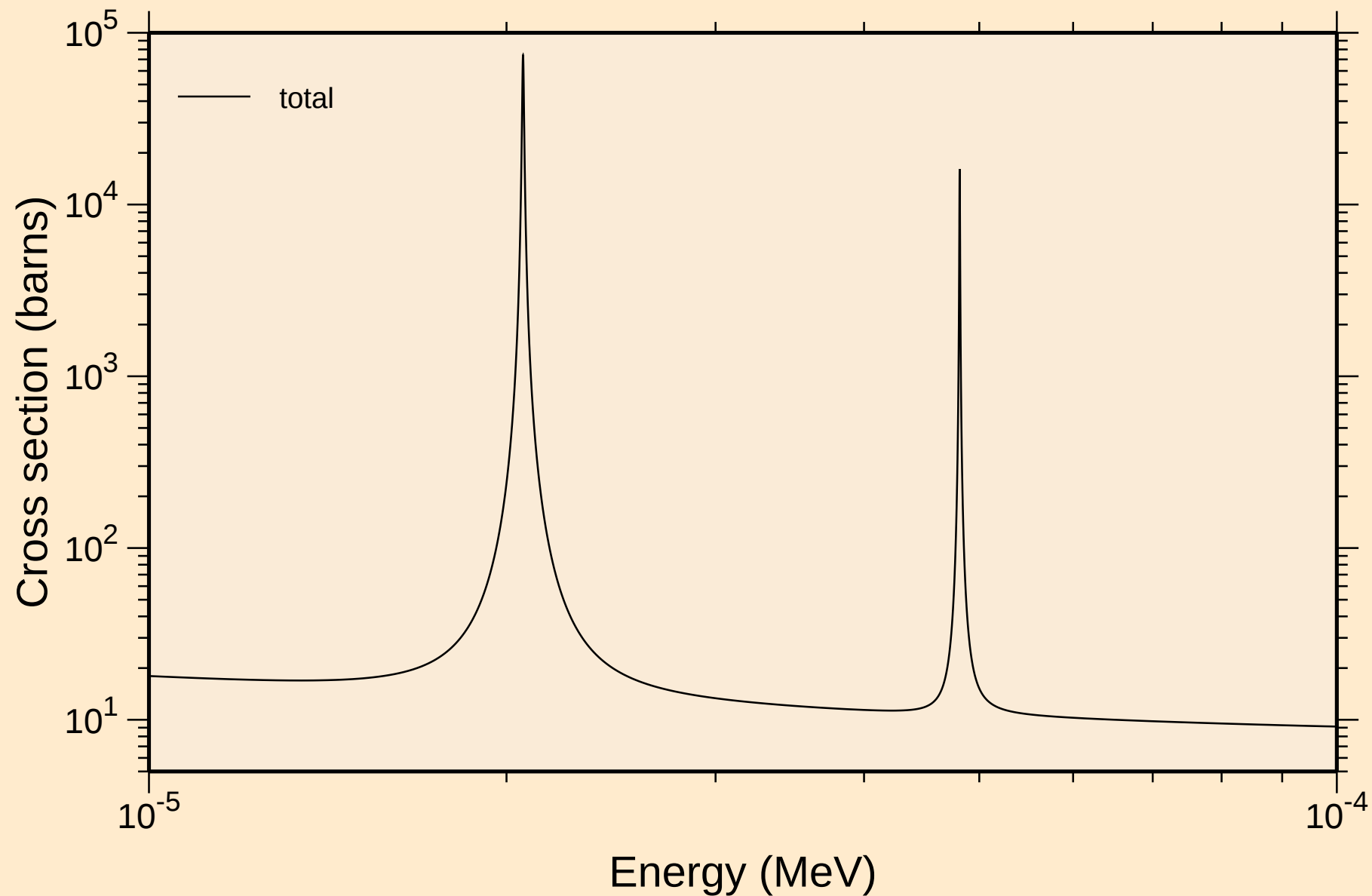


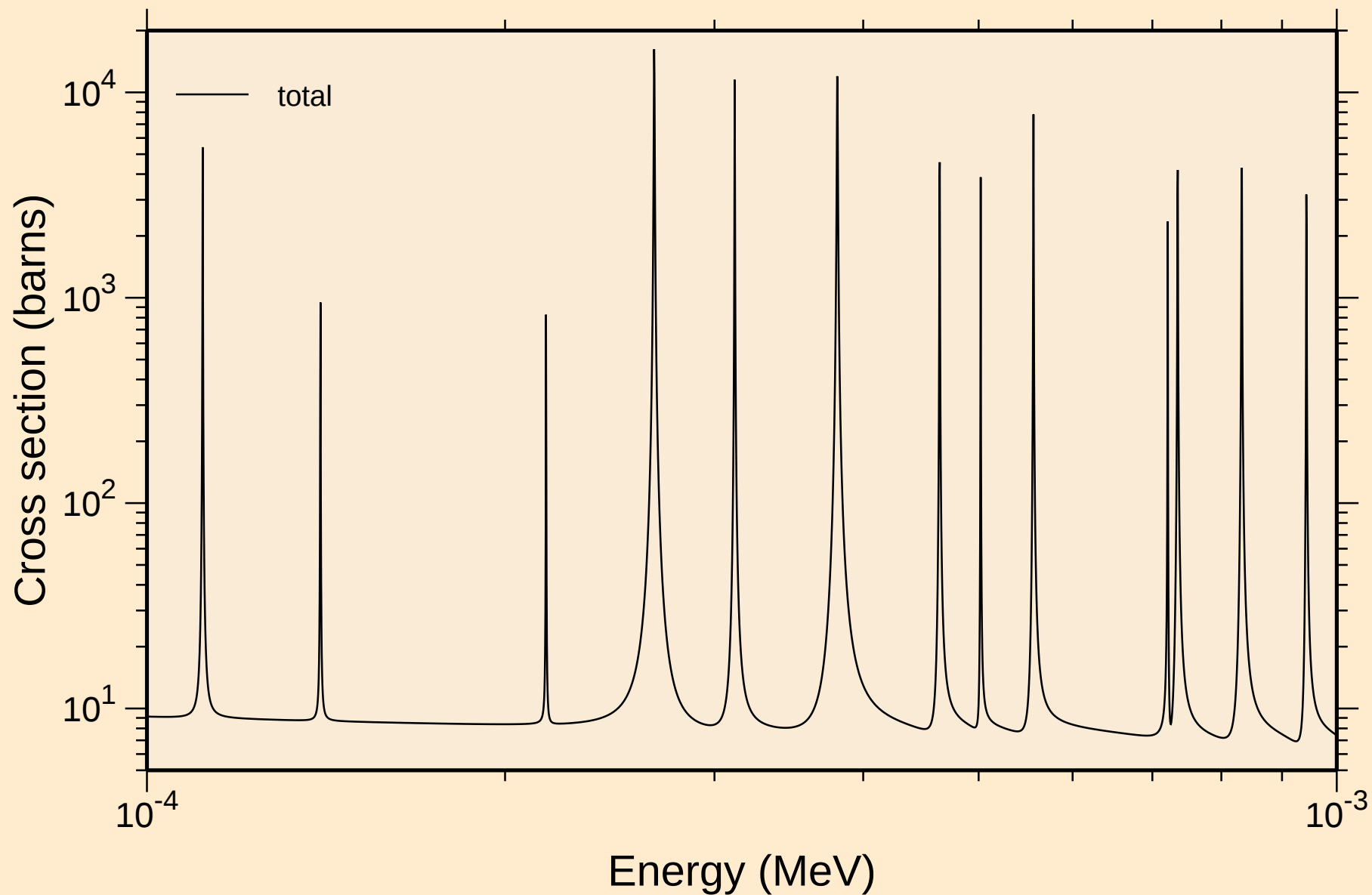
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



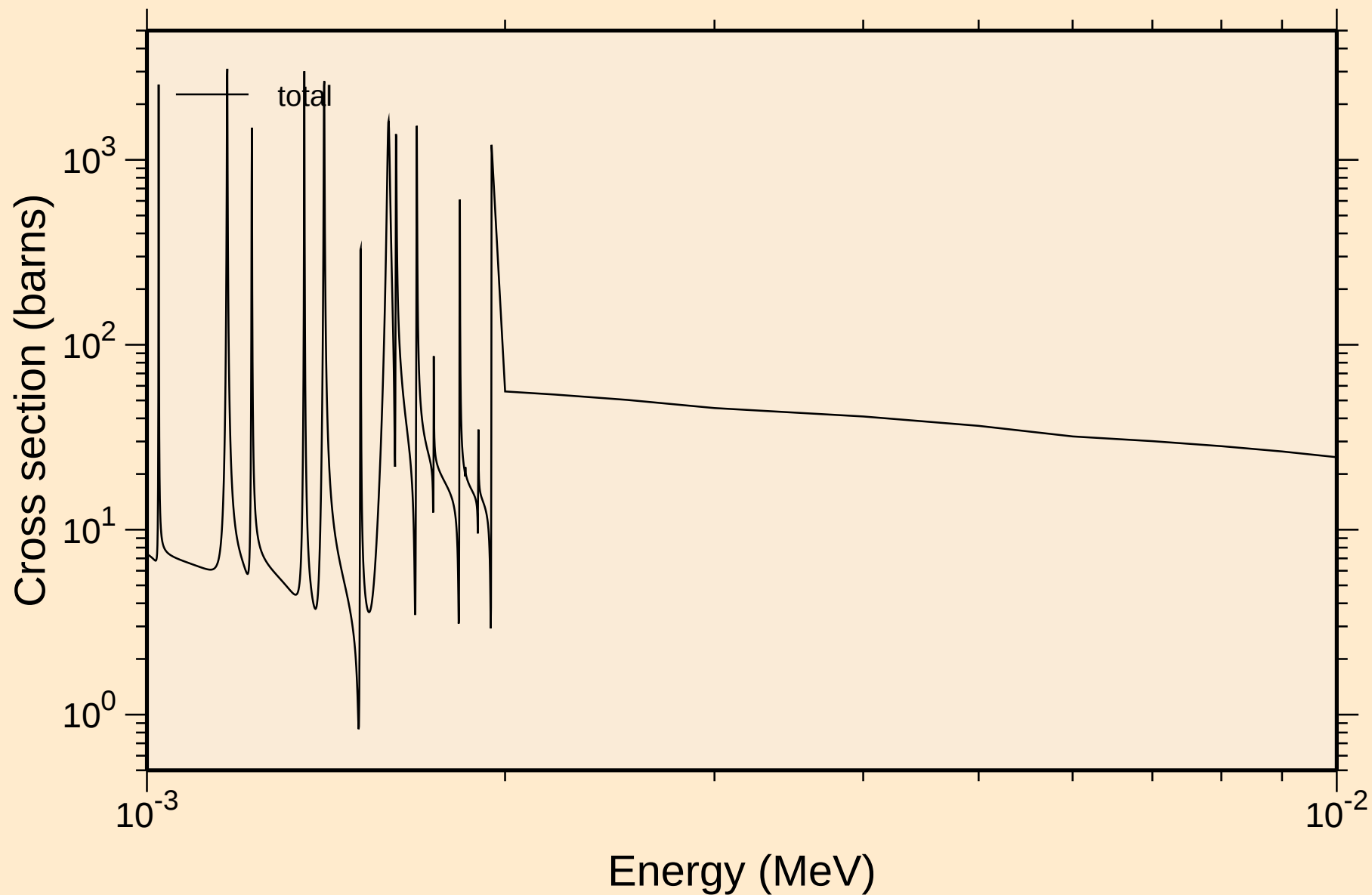
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



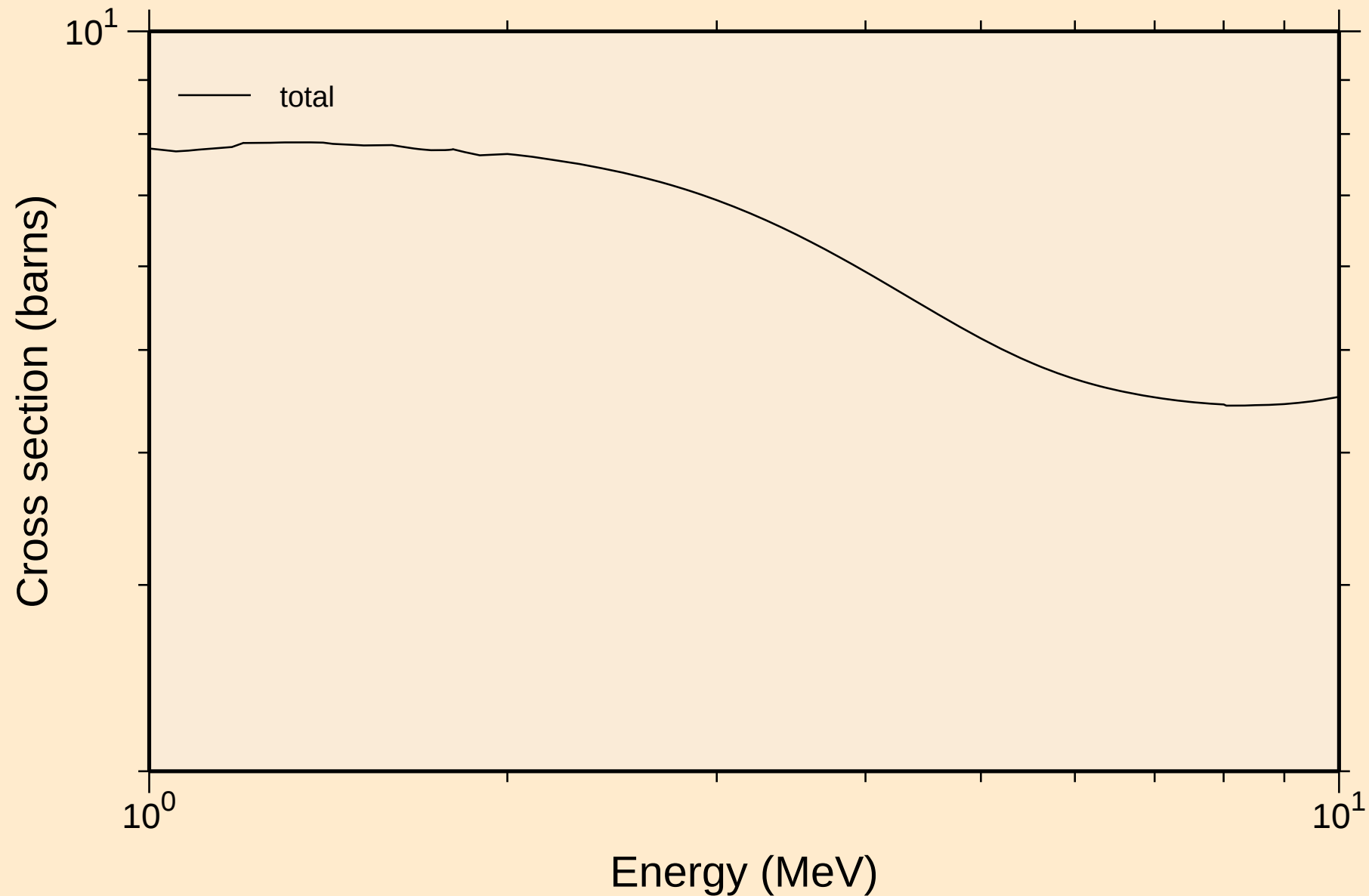
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



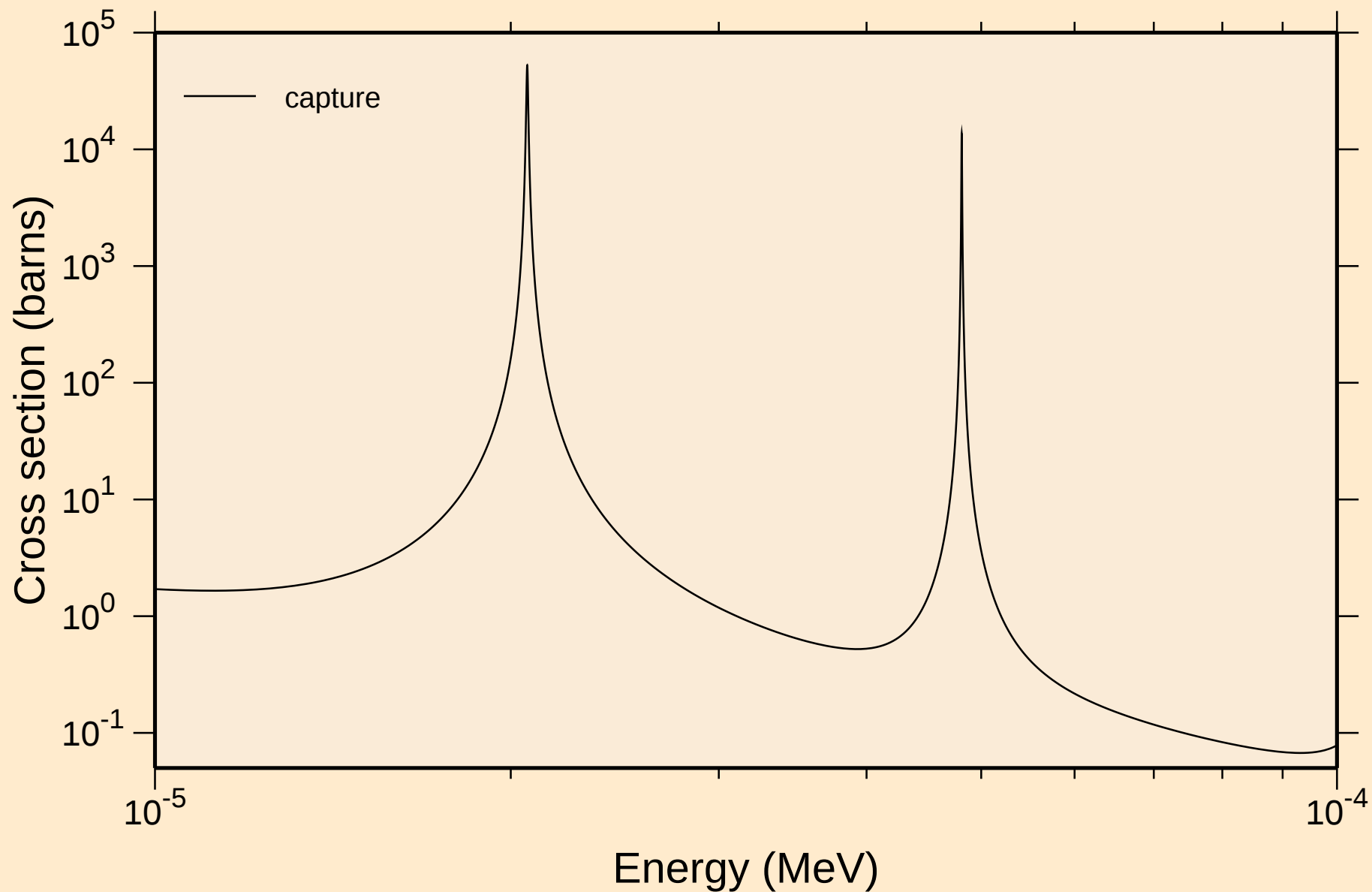
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



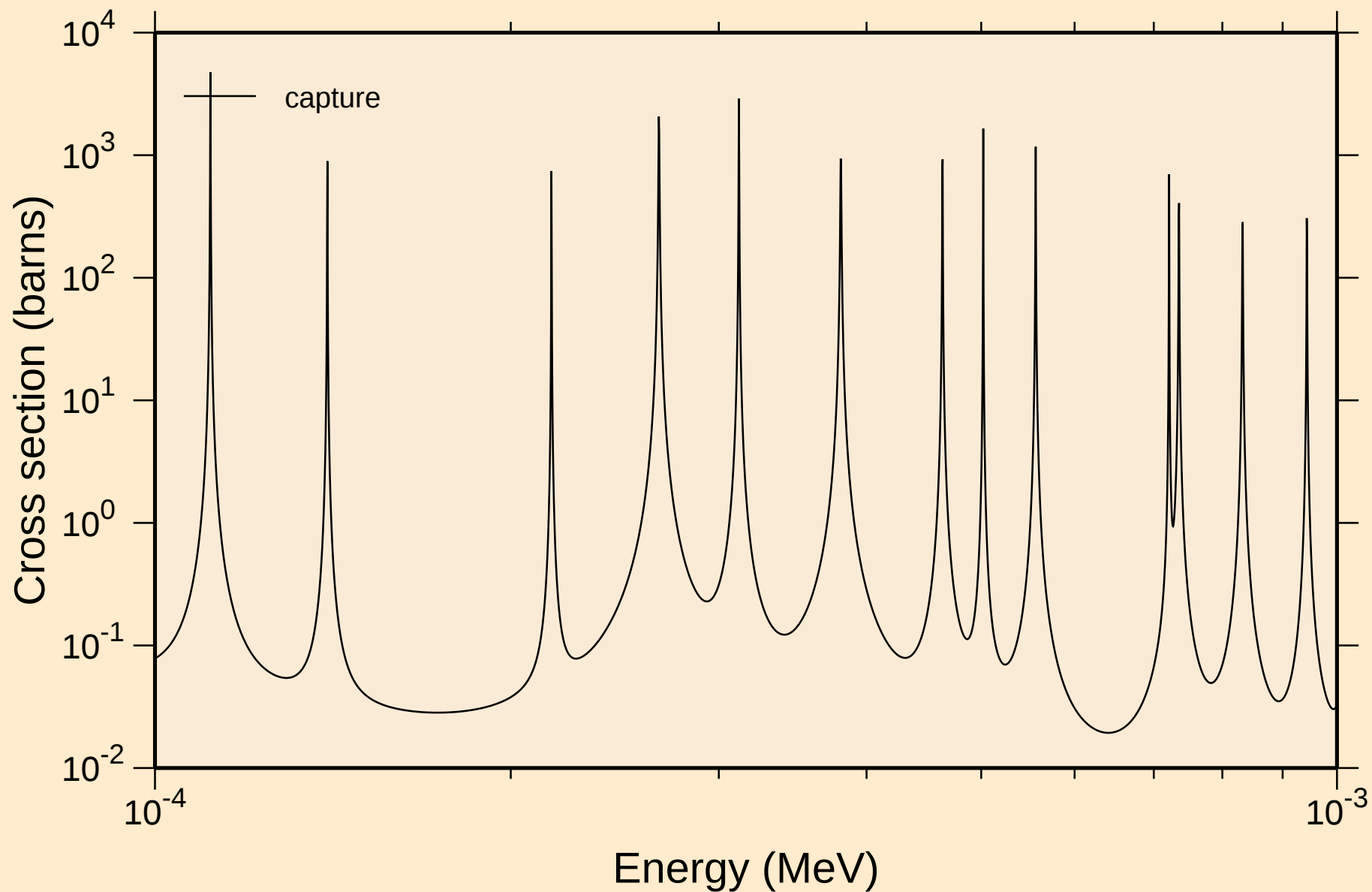
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



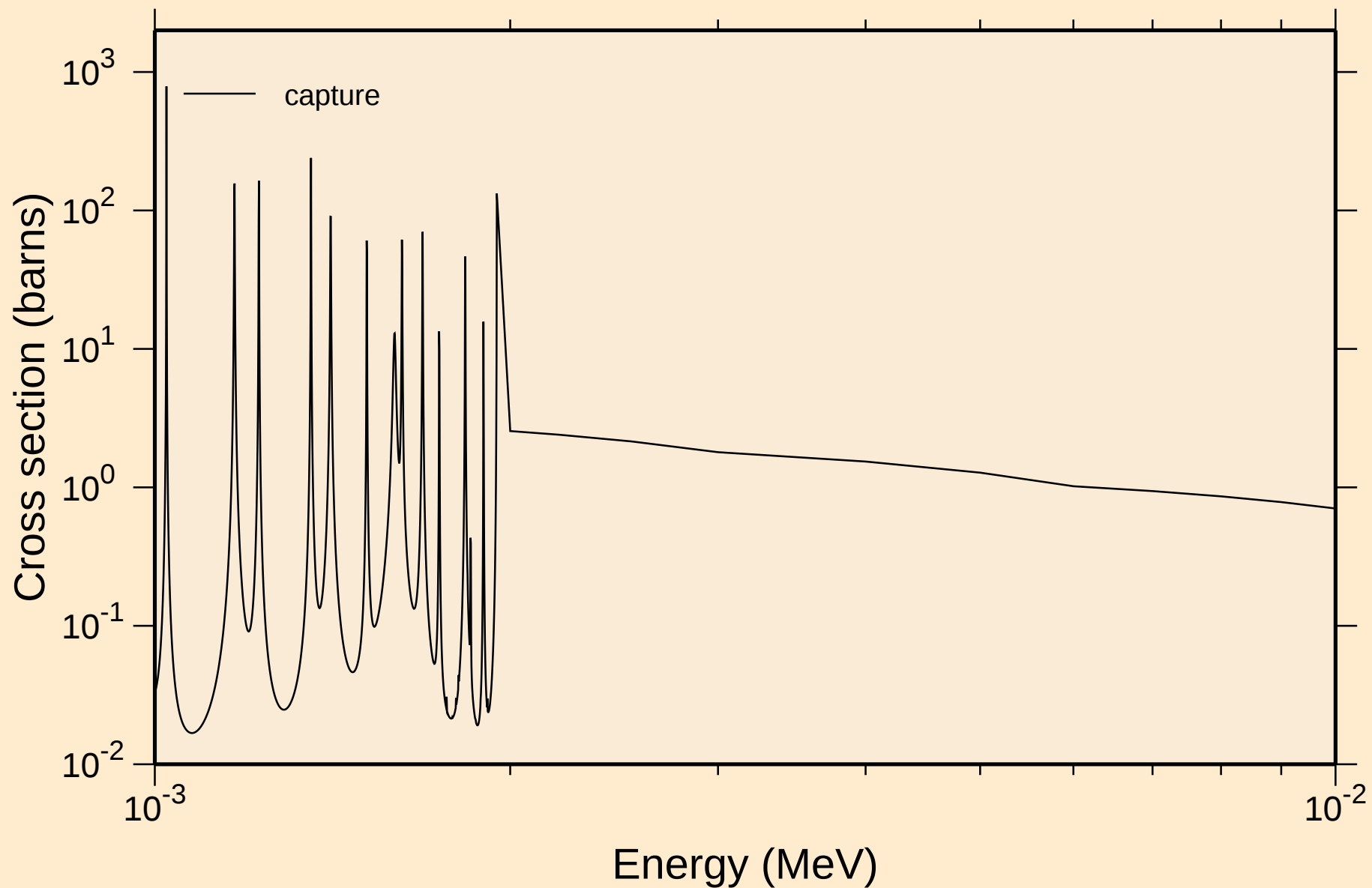
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



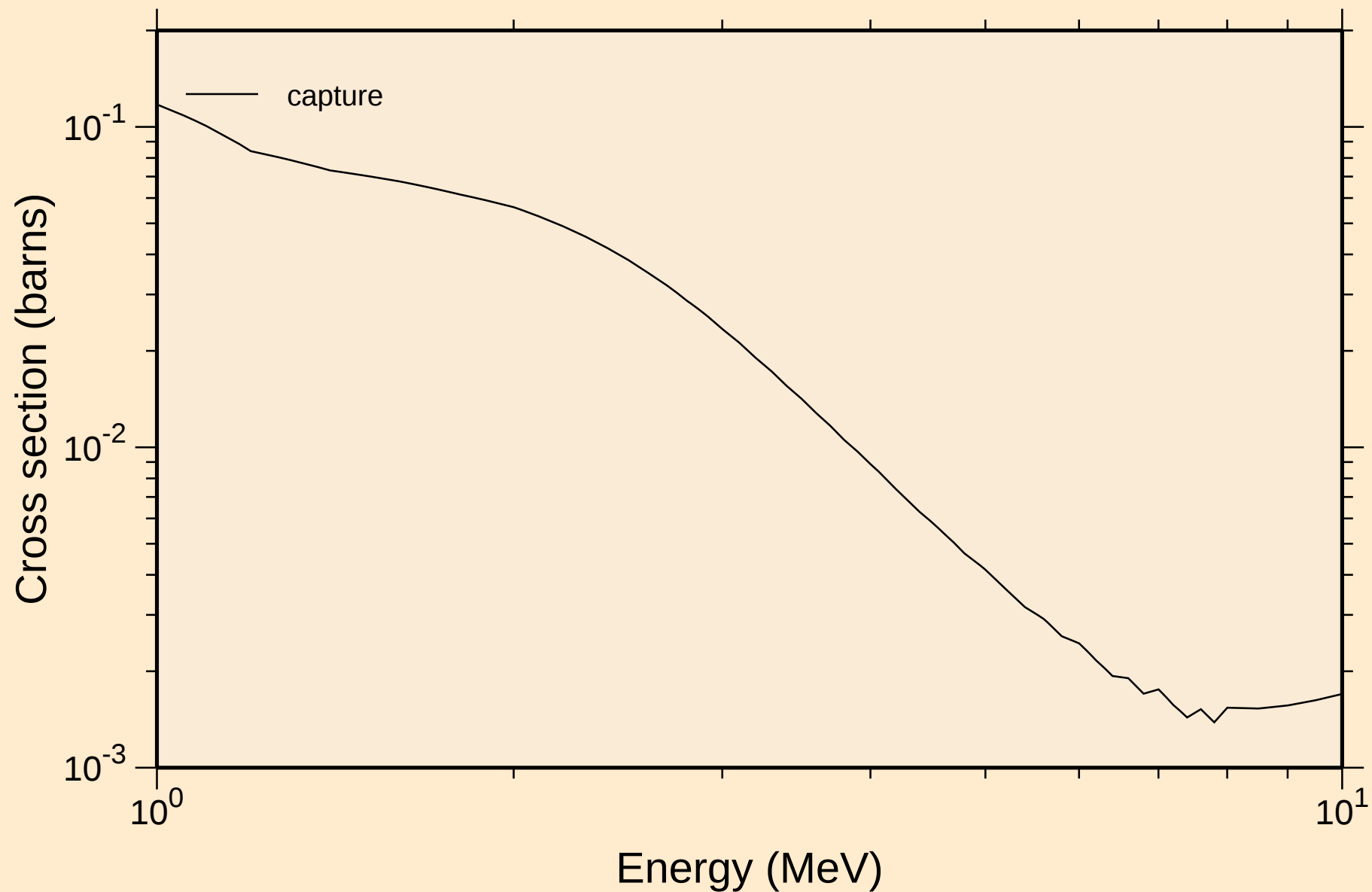
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

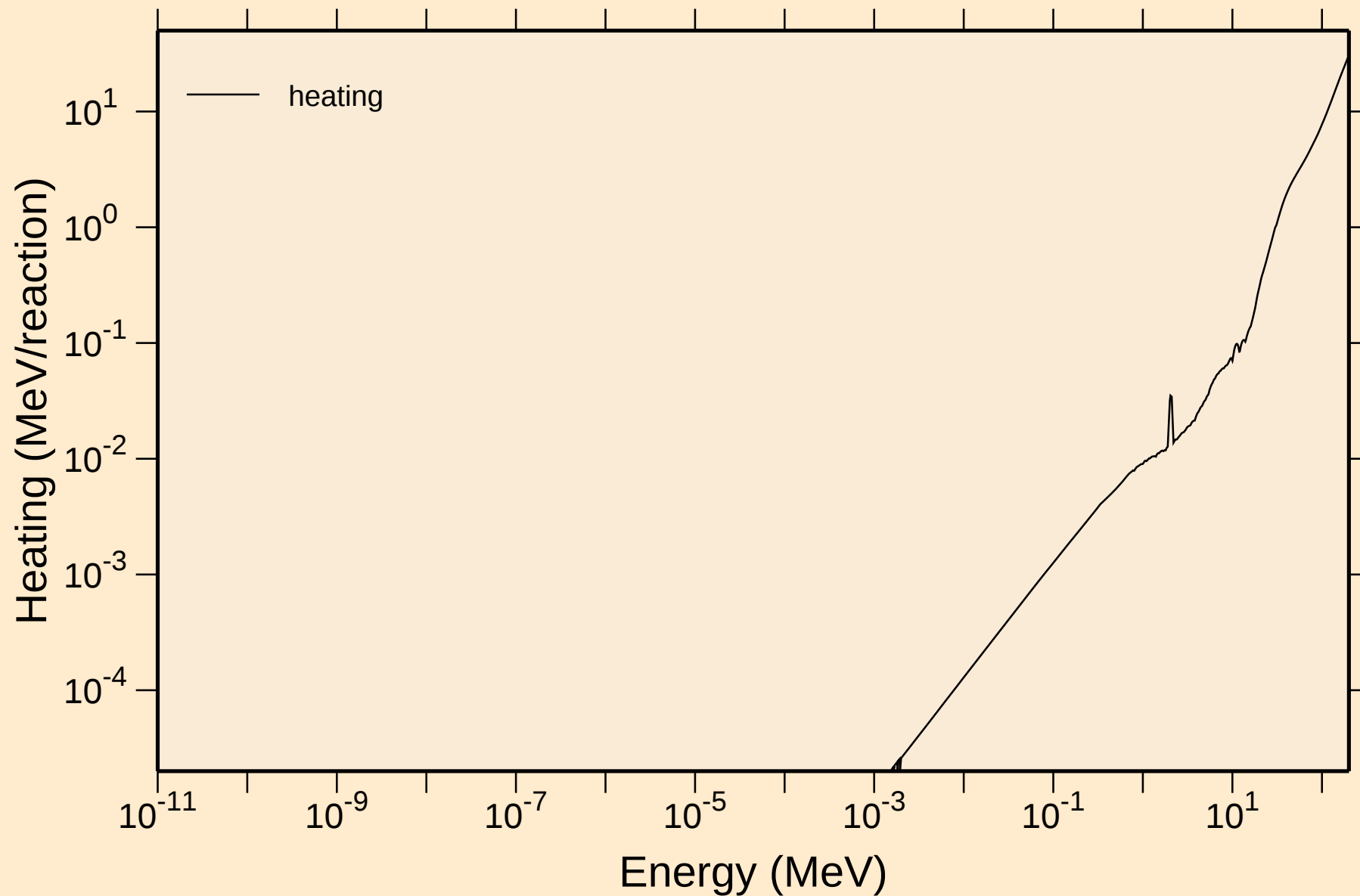


SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



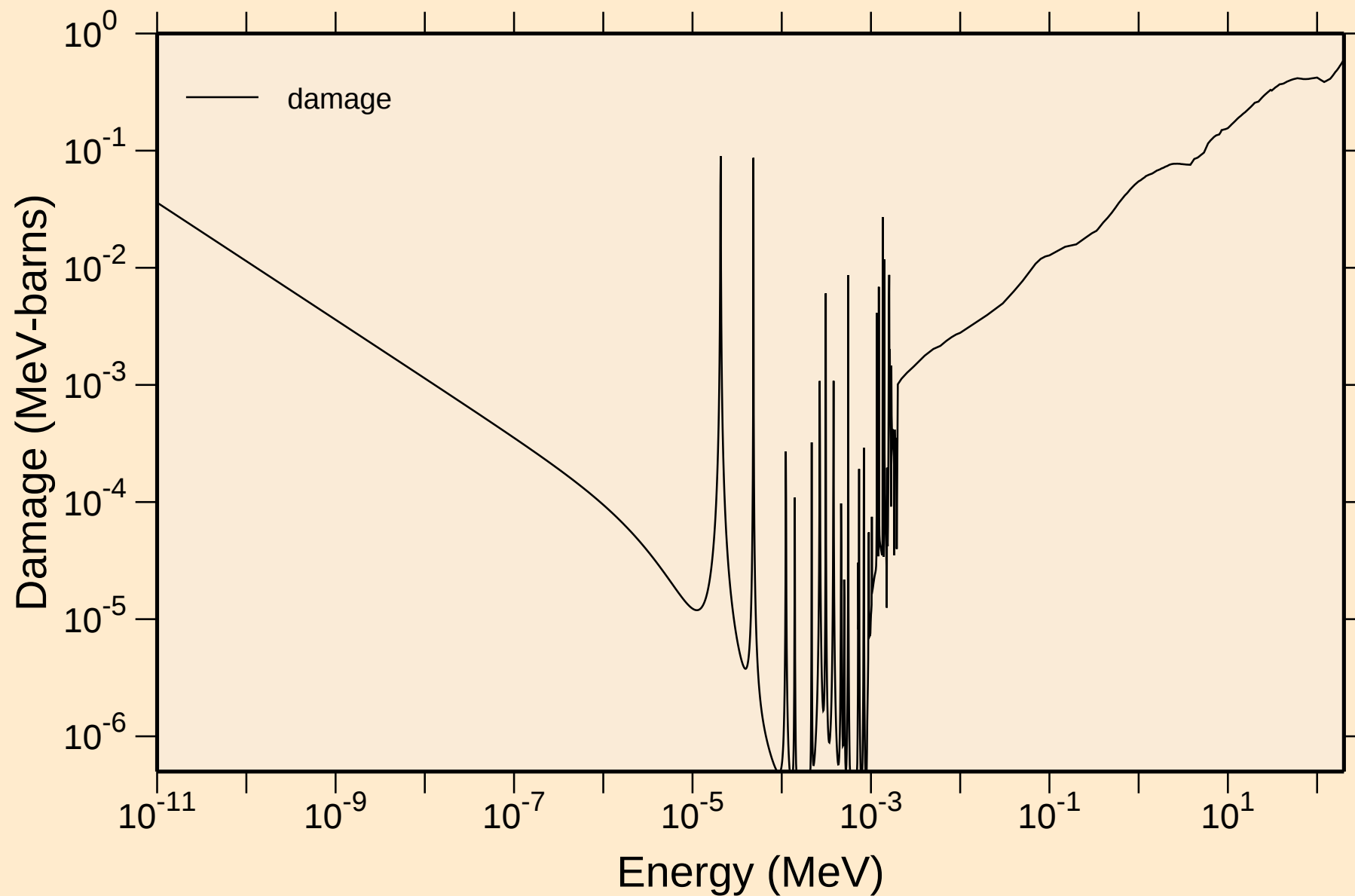
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating



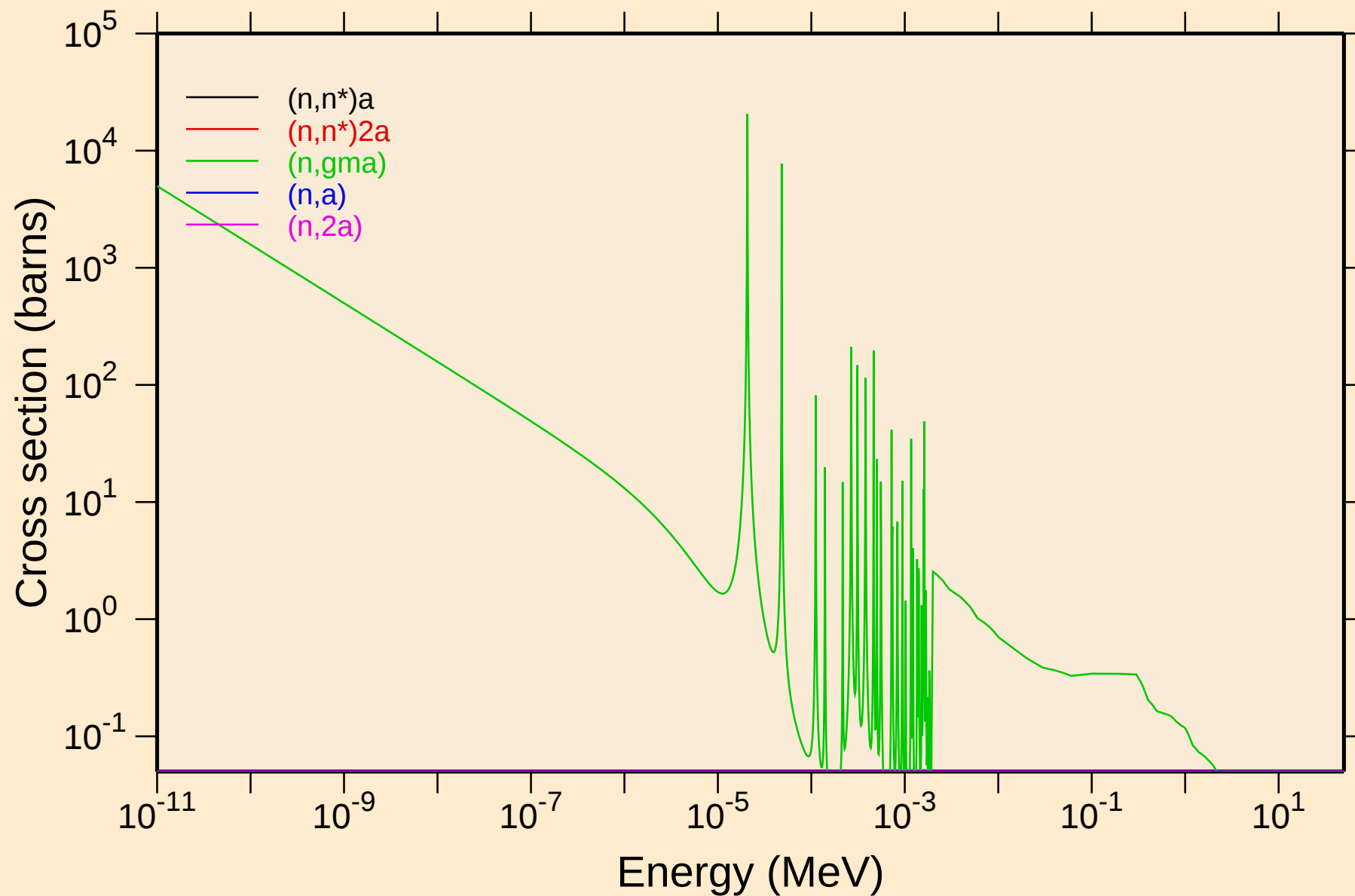
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

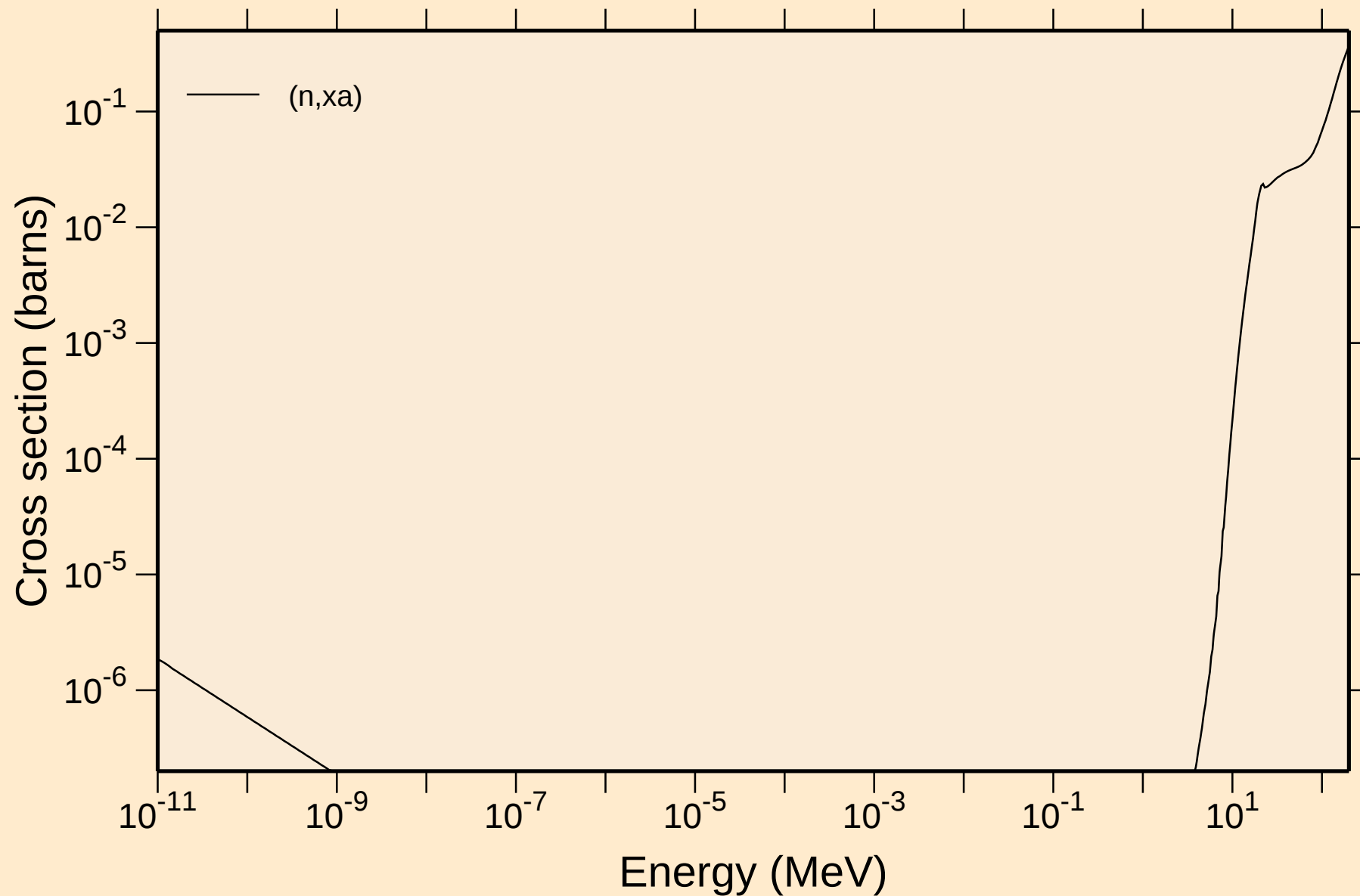


# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Non-threshold reactions

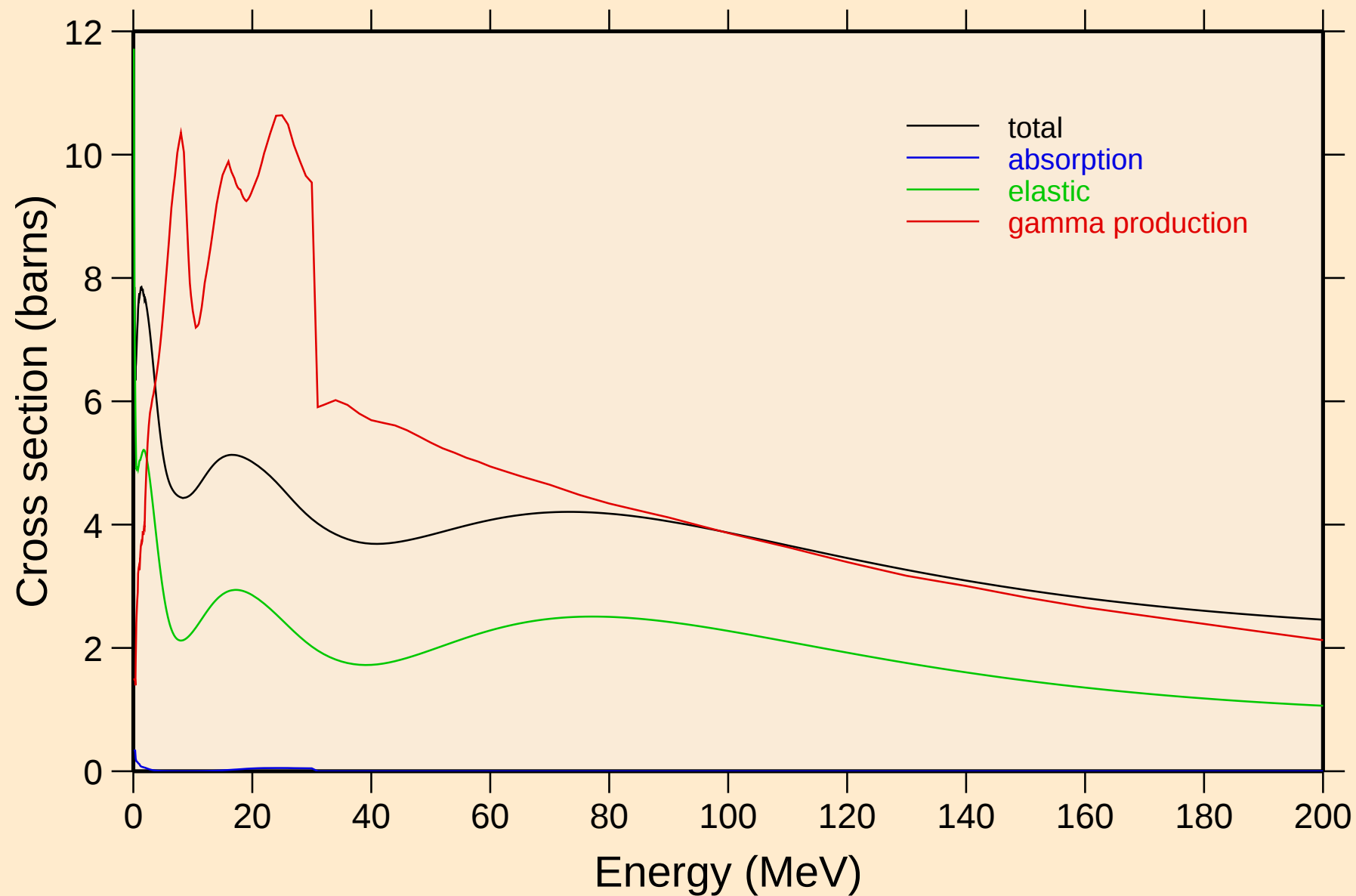


SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



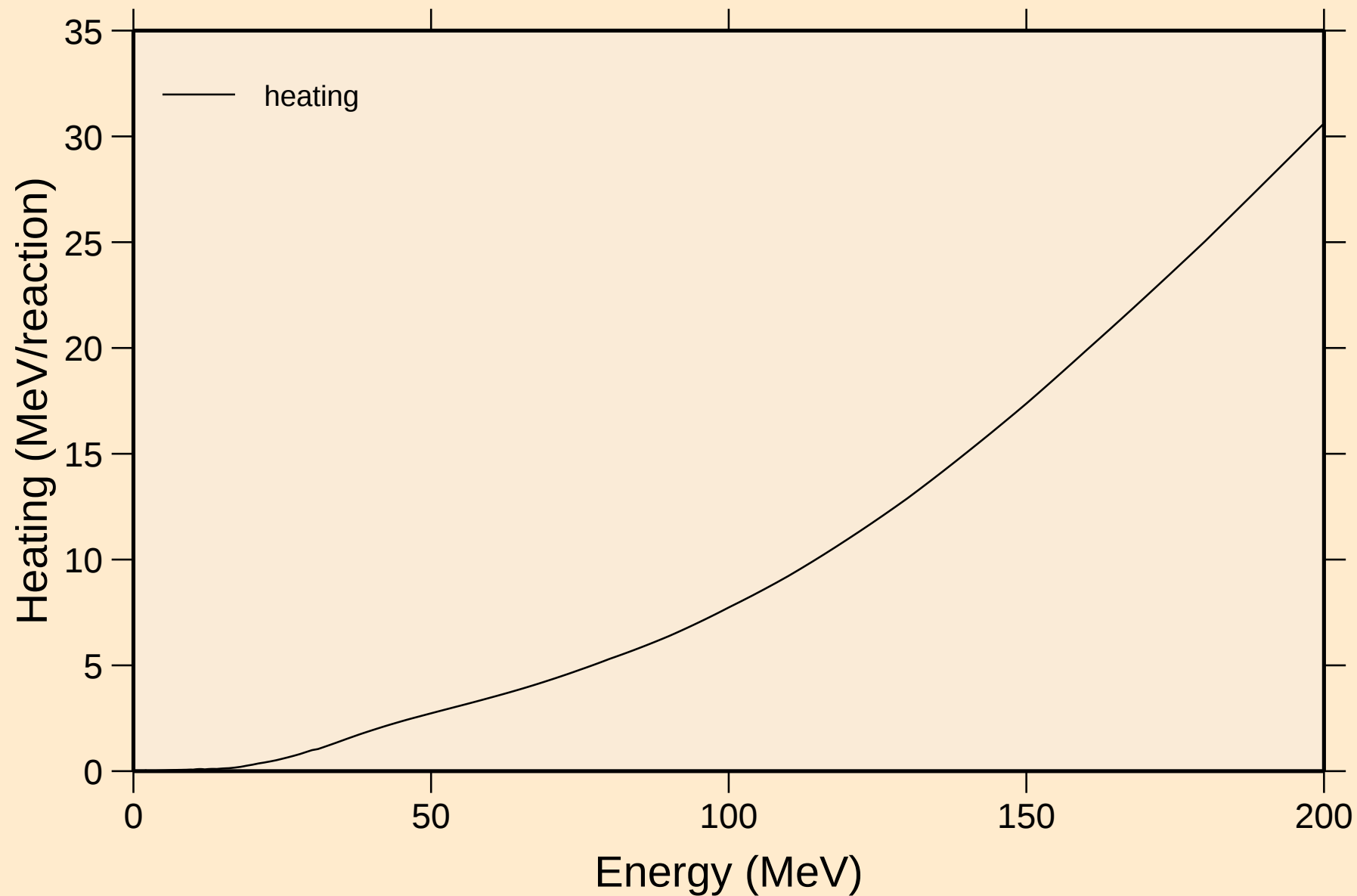
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



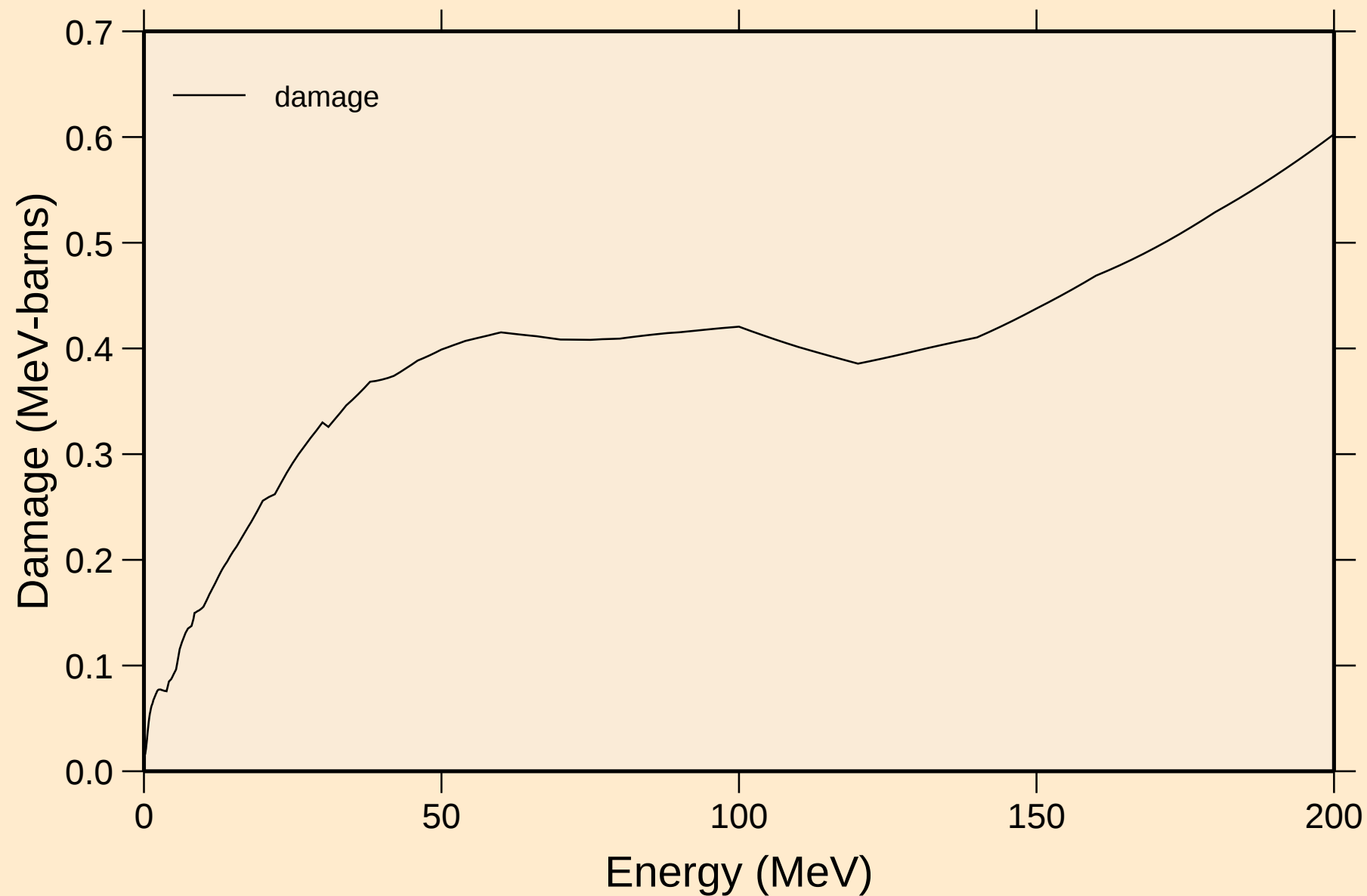
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

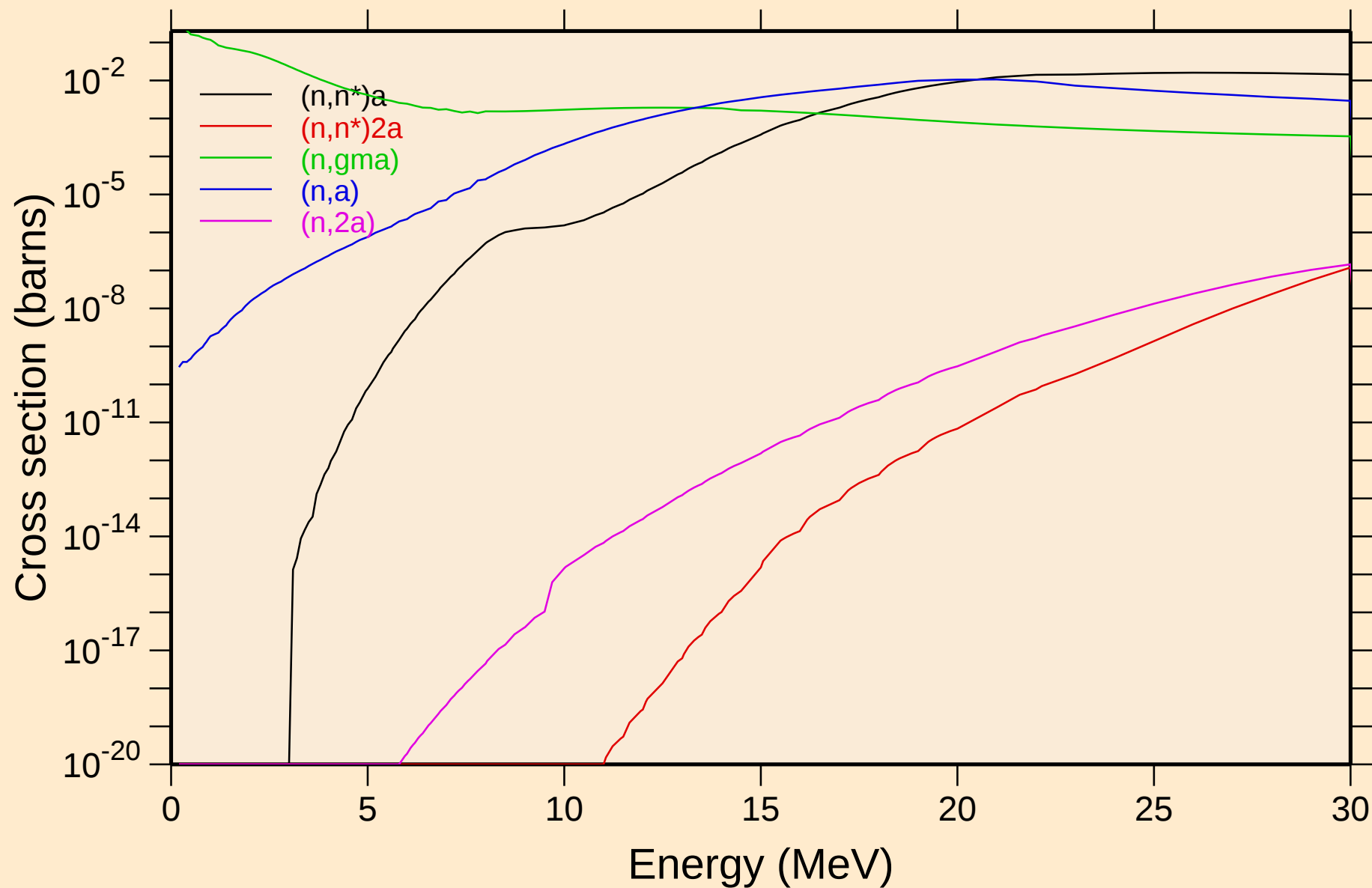


# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

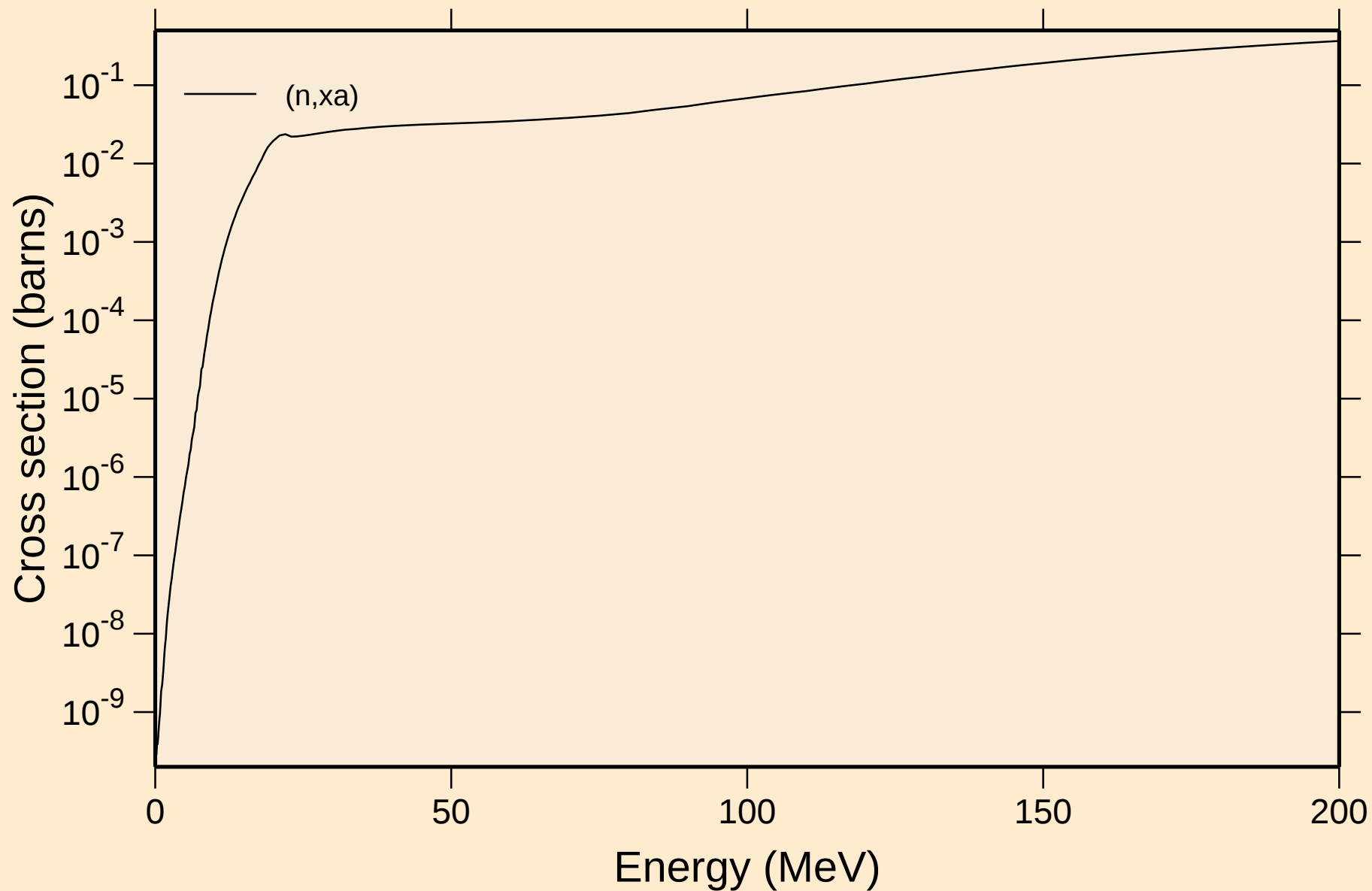
Damage



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

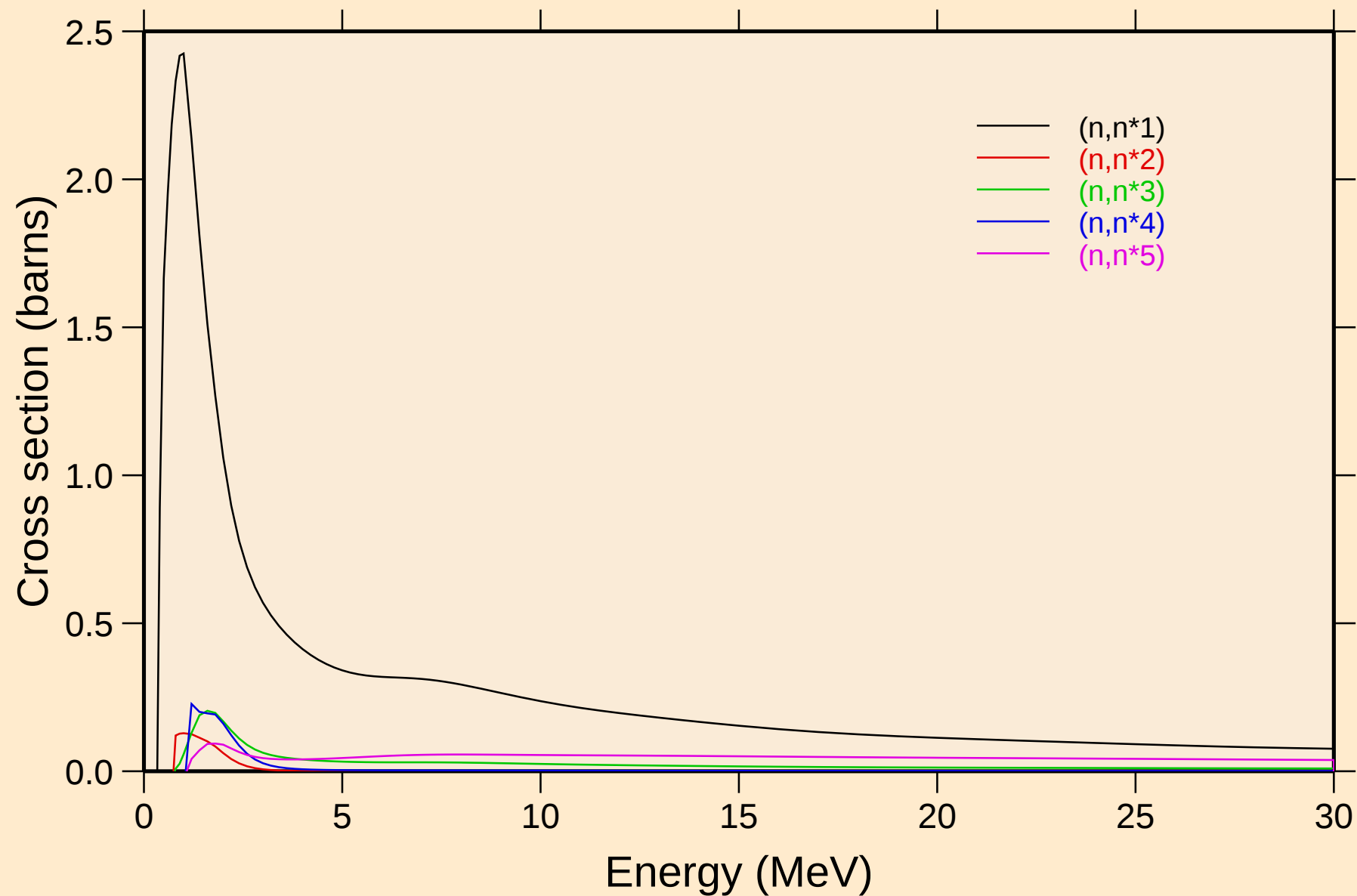


SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



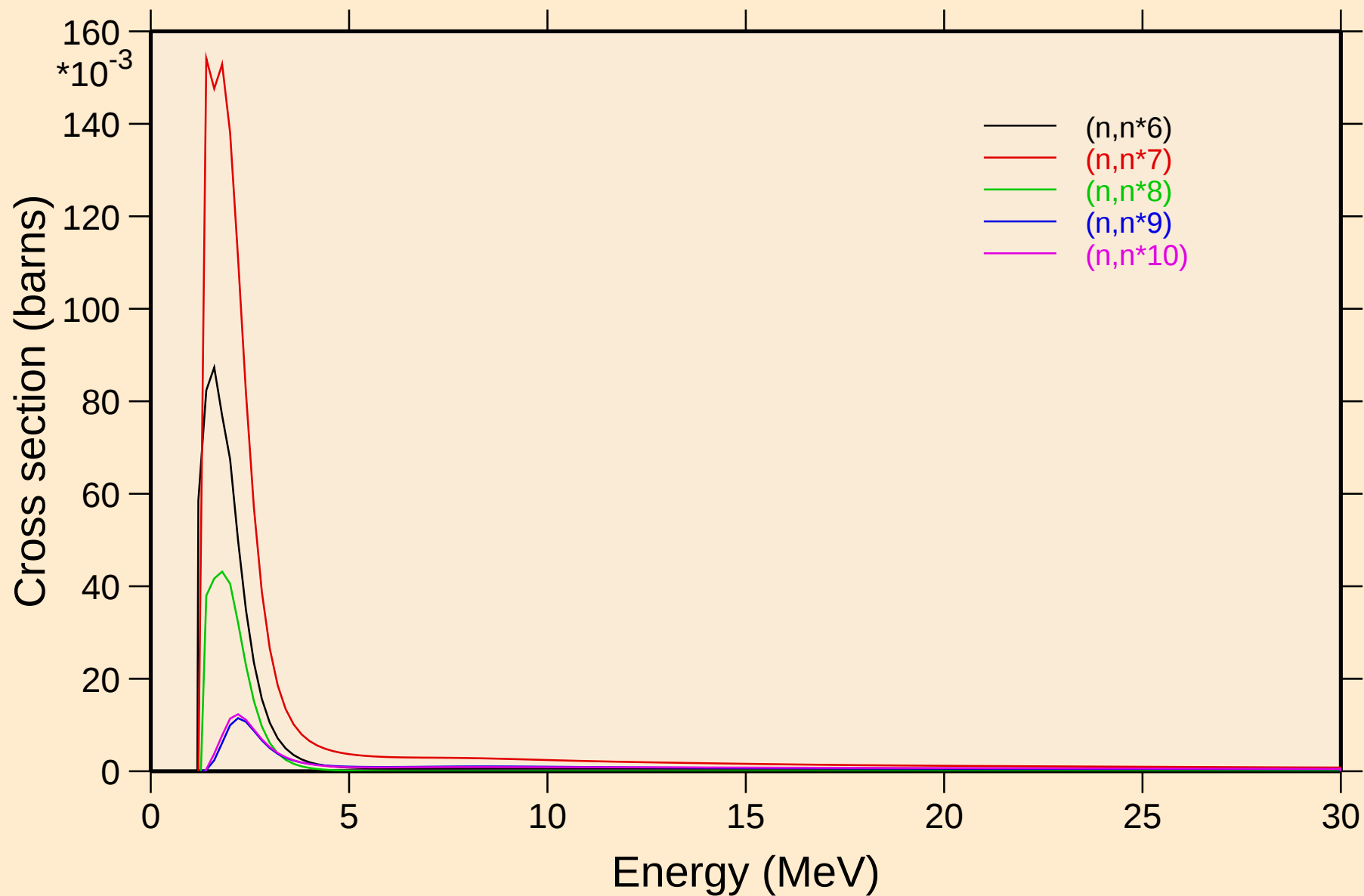
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



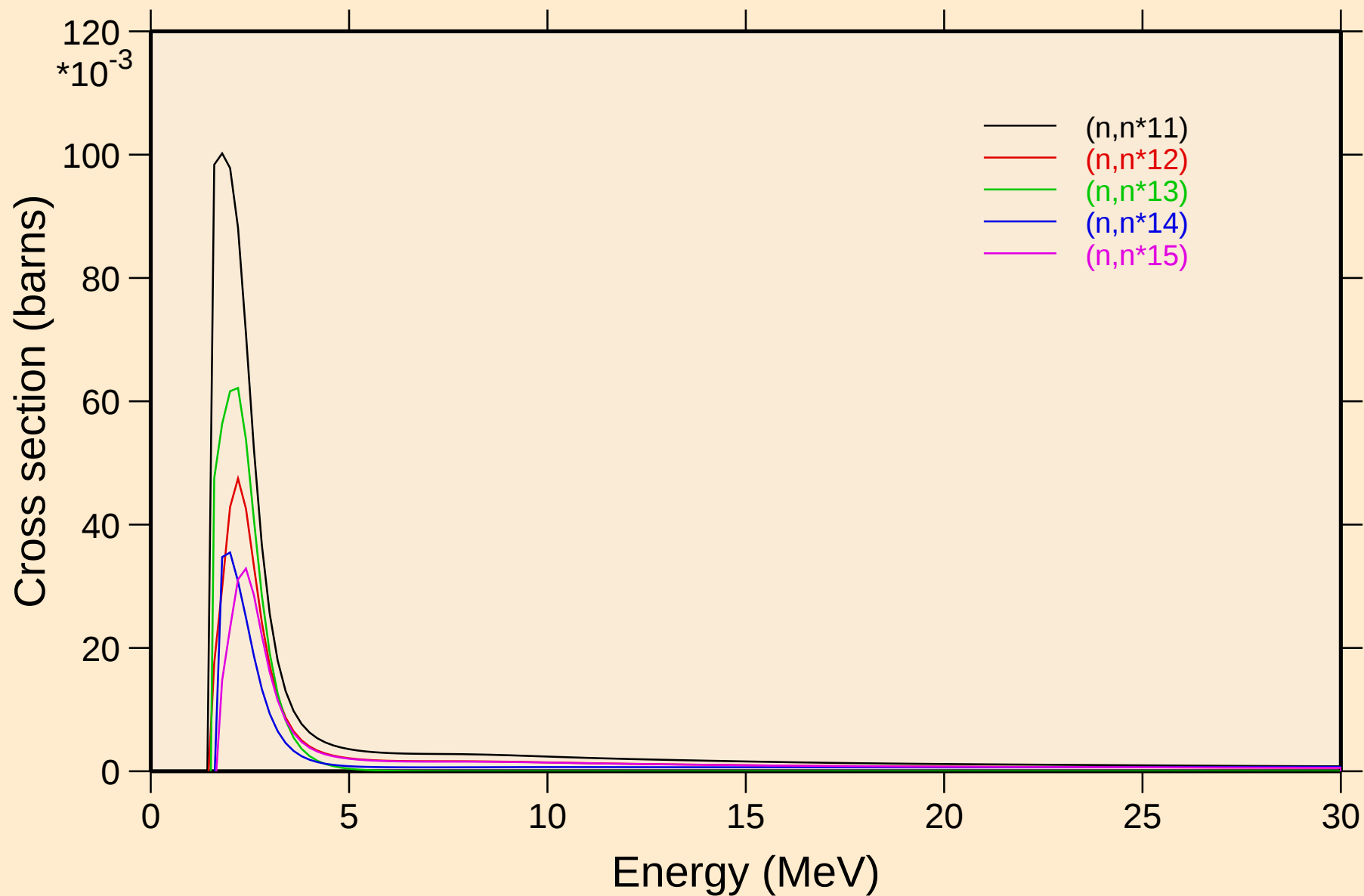
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



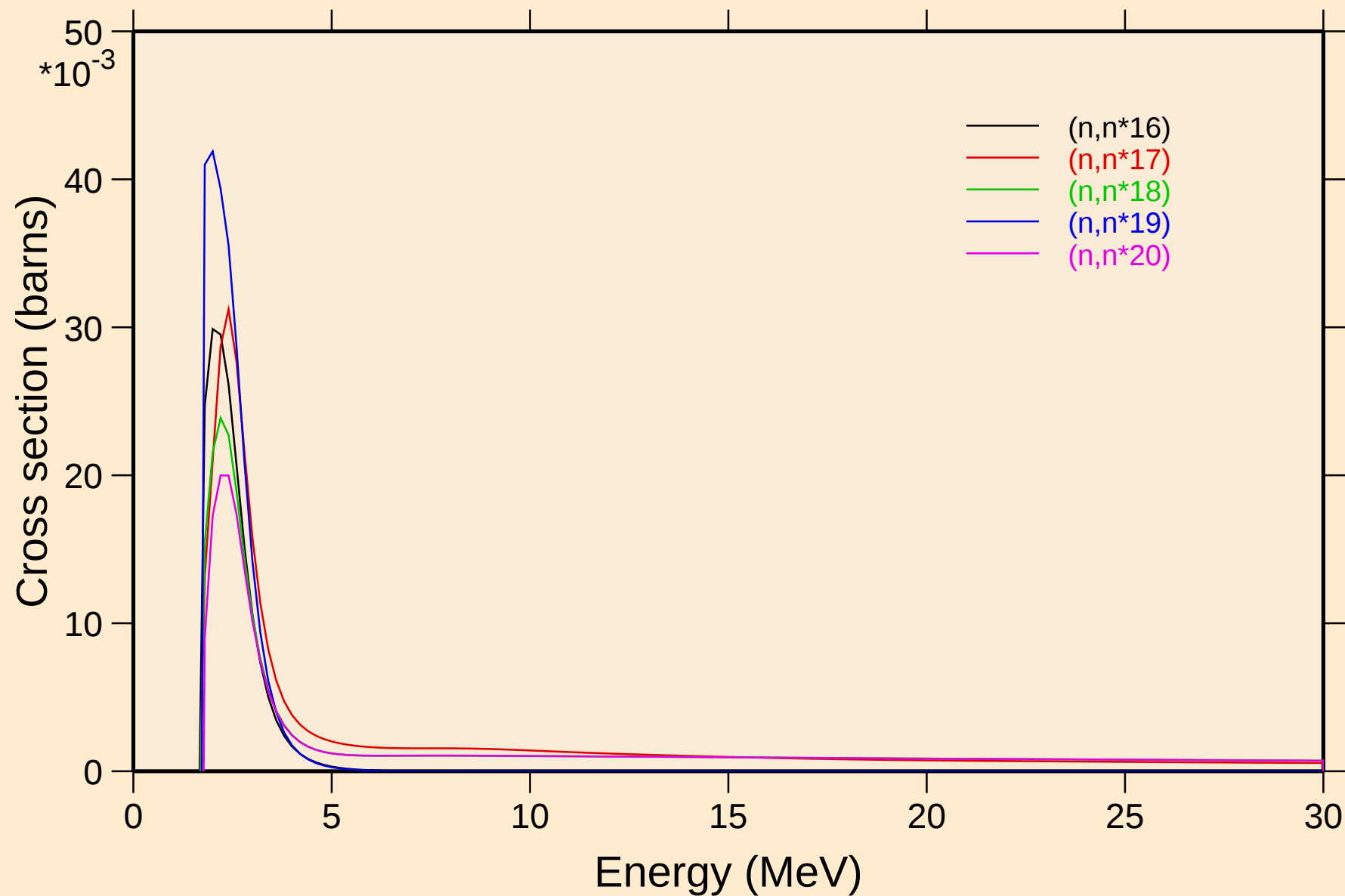
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## Inelastic levels



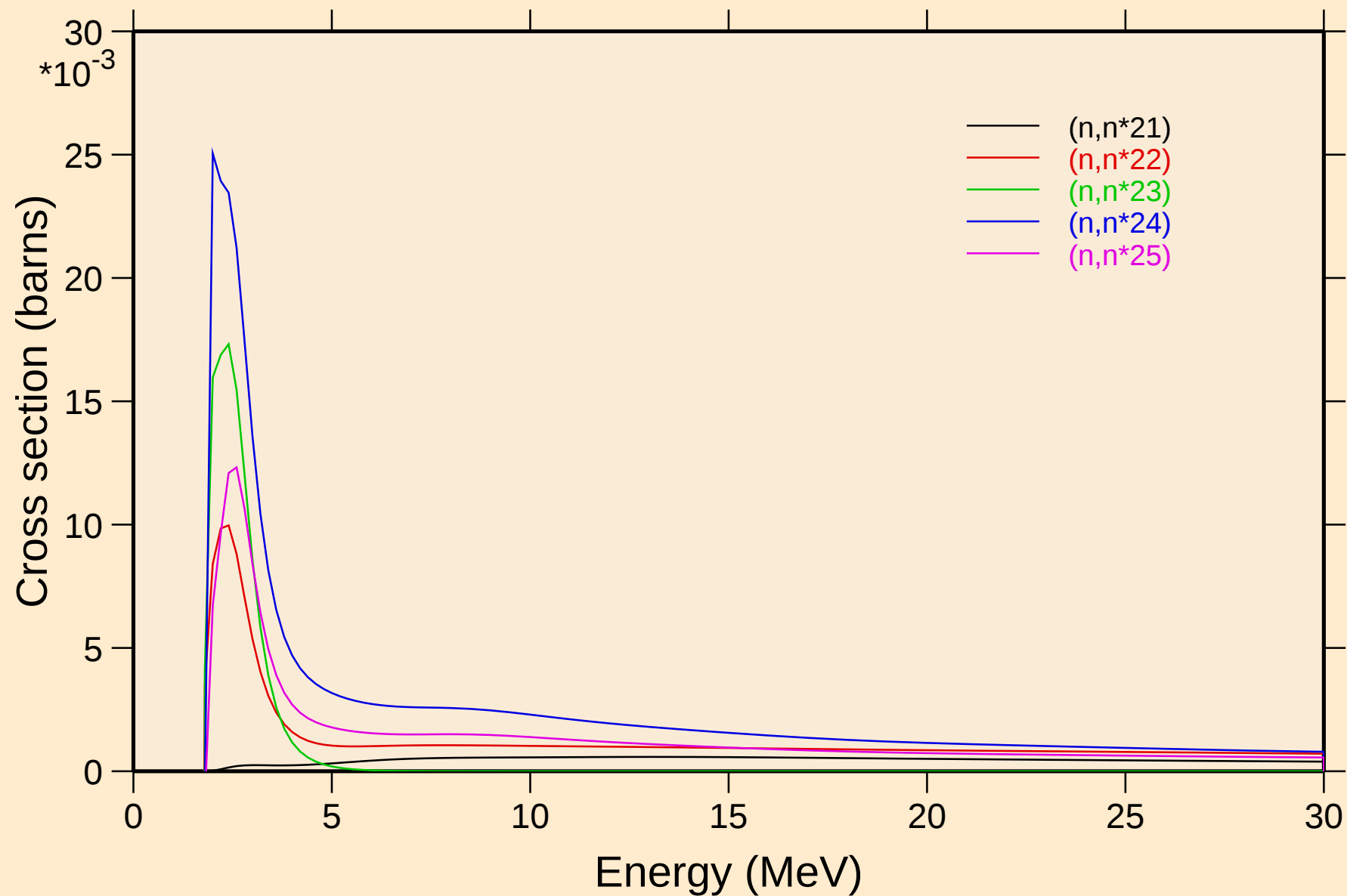
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



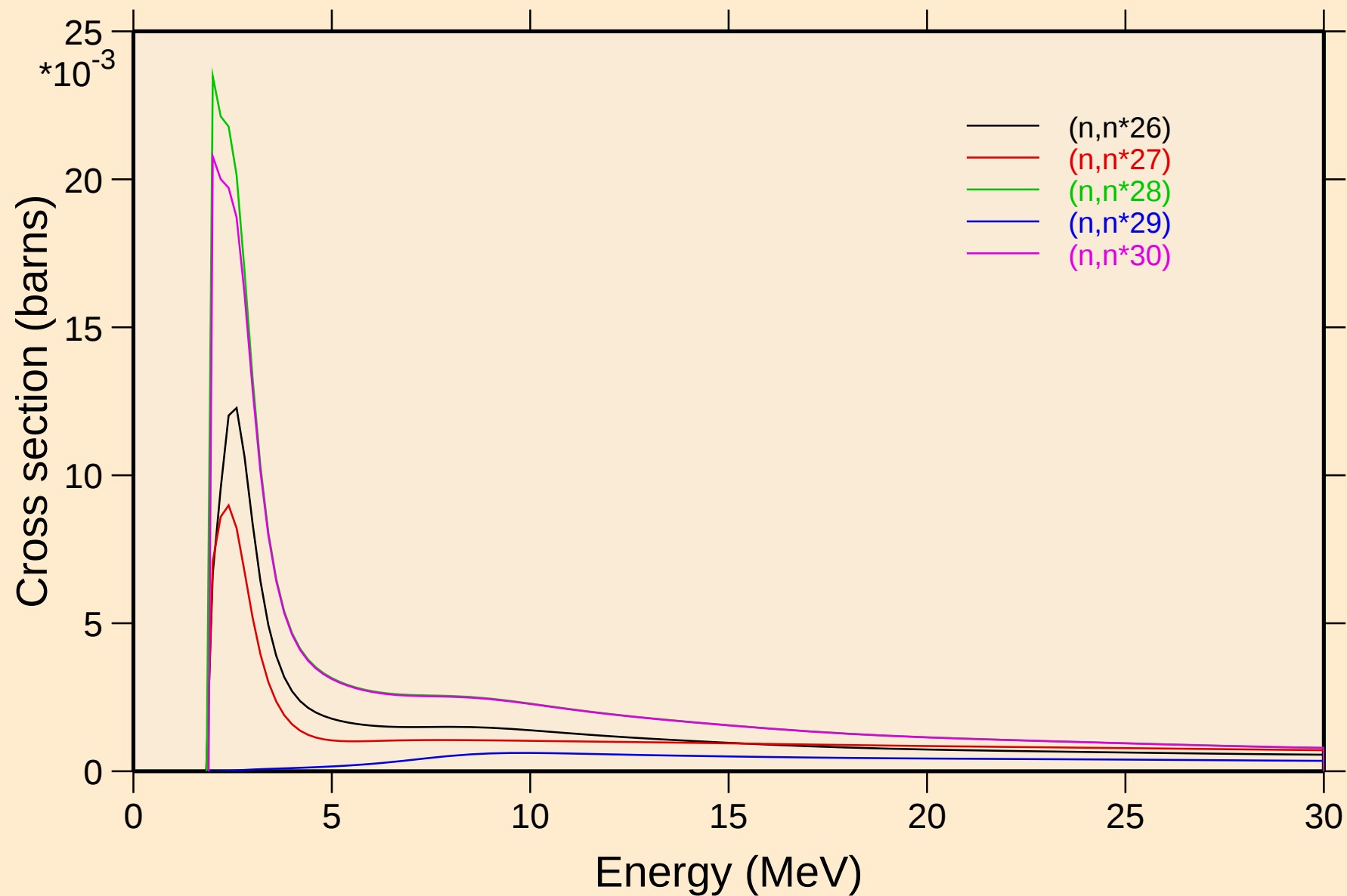
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



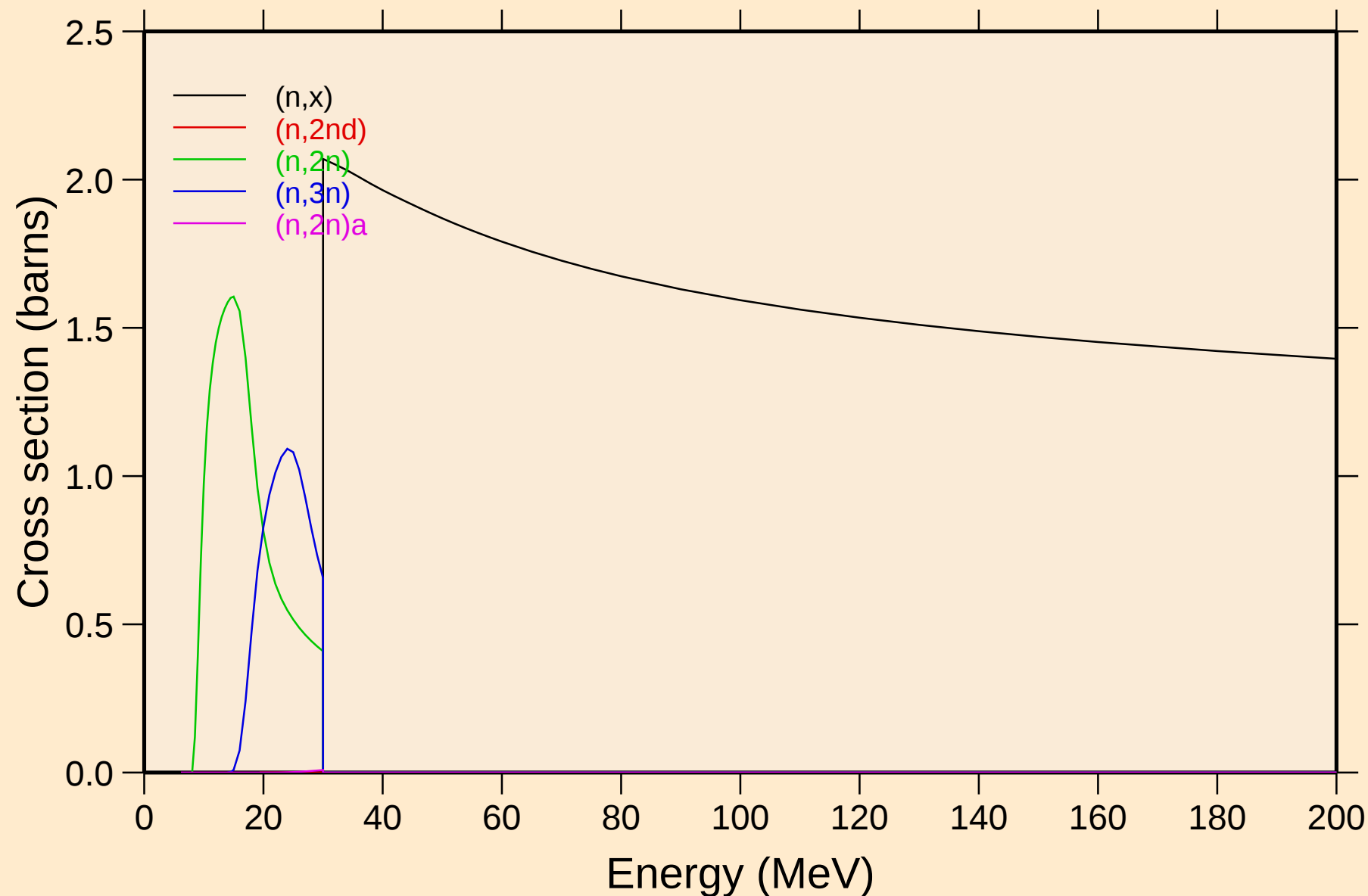
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels

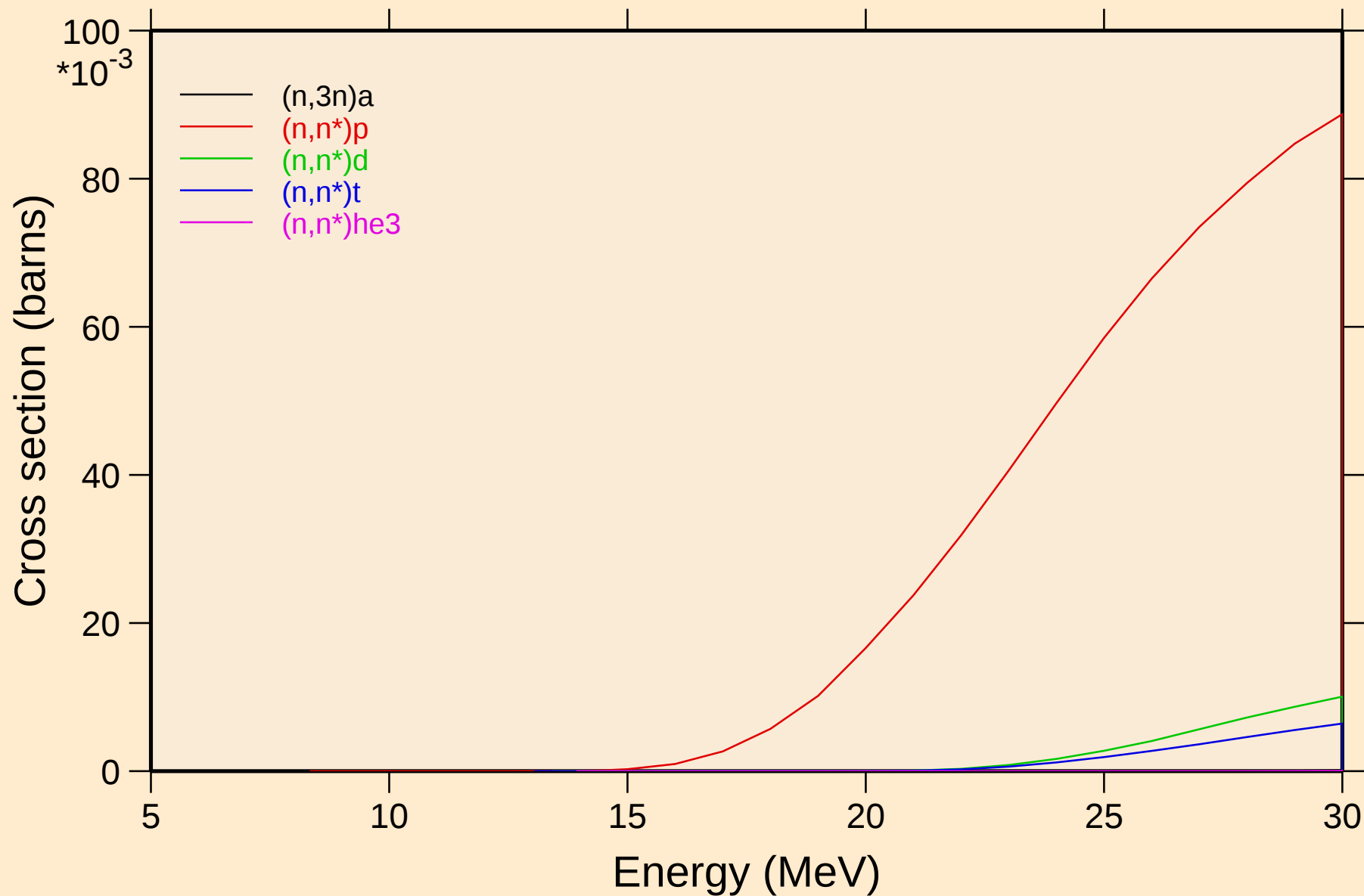


# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

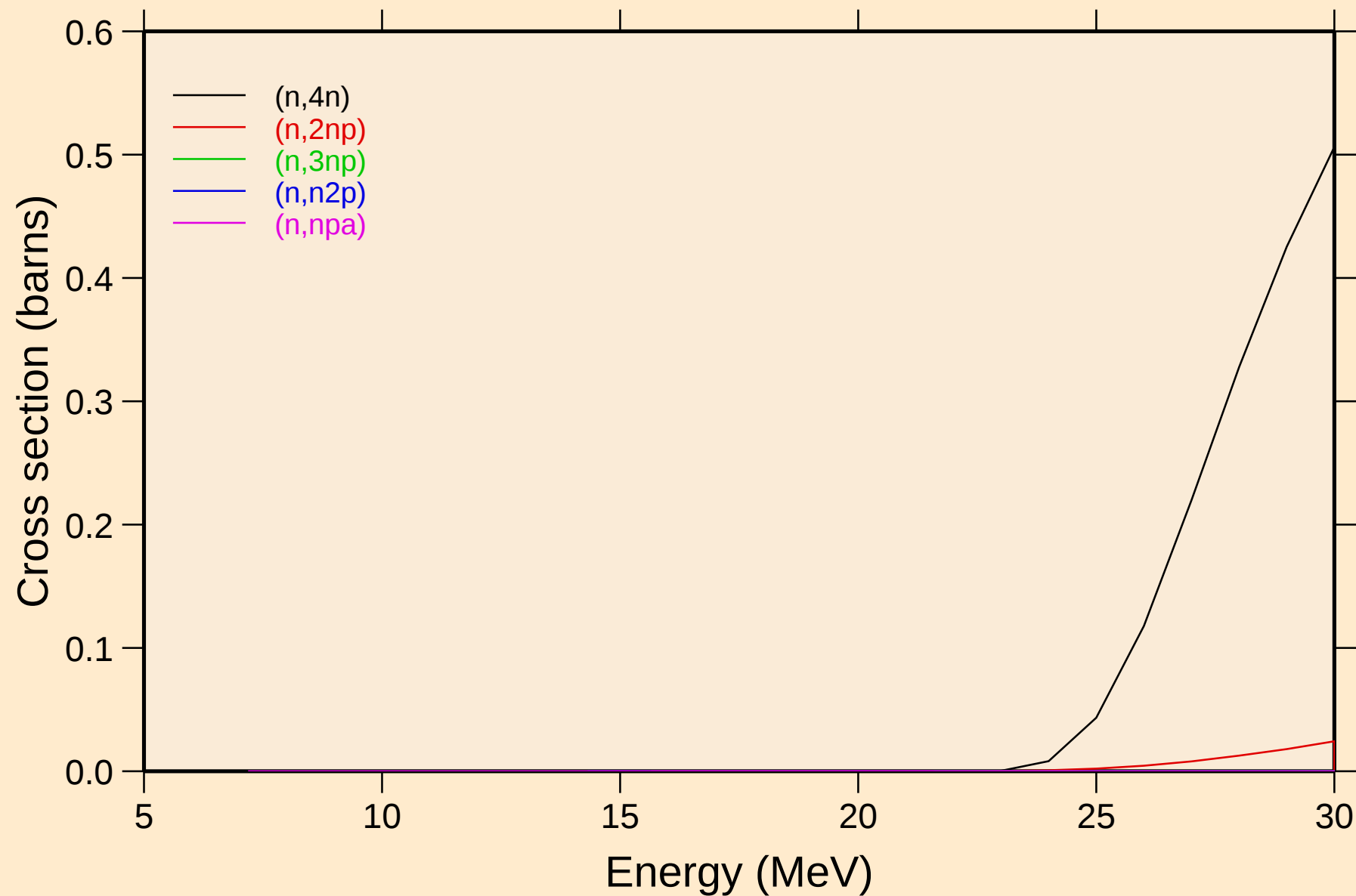
## Threshold reactions



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

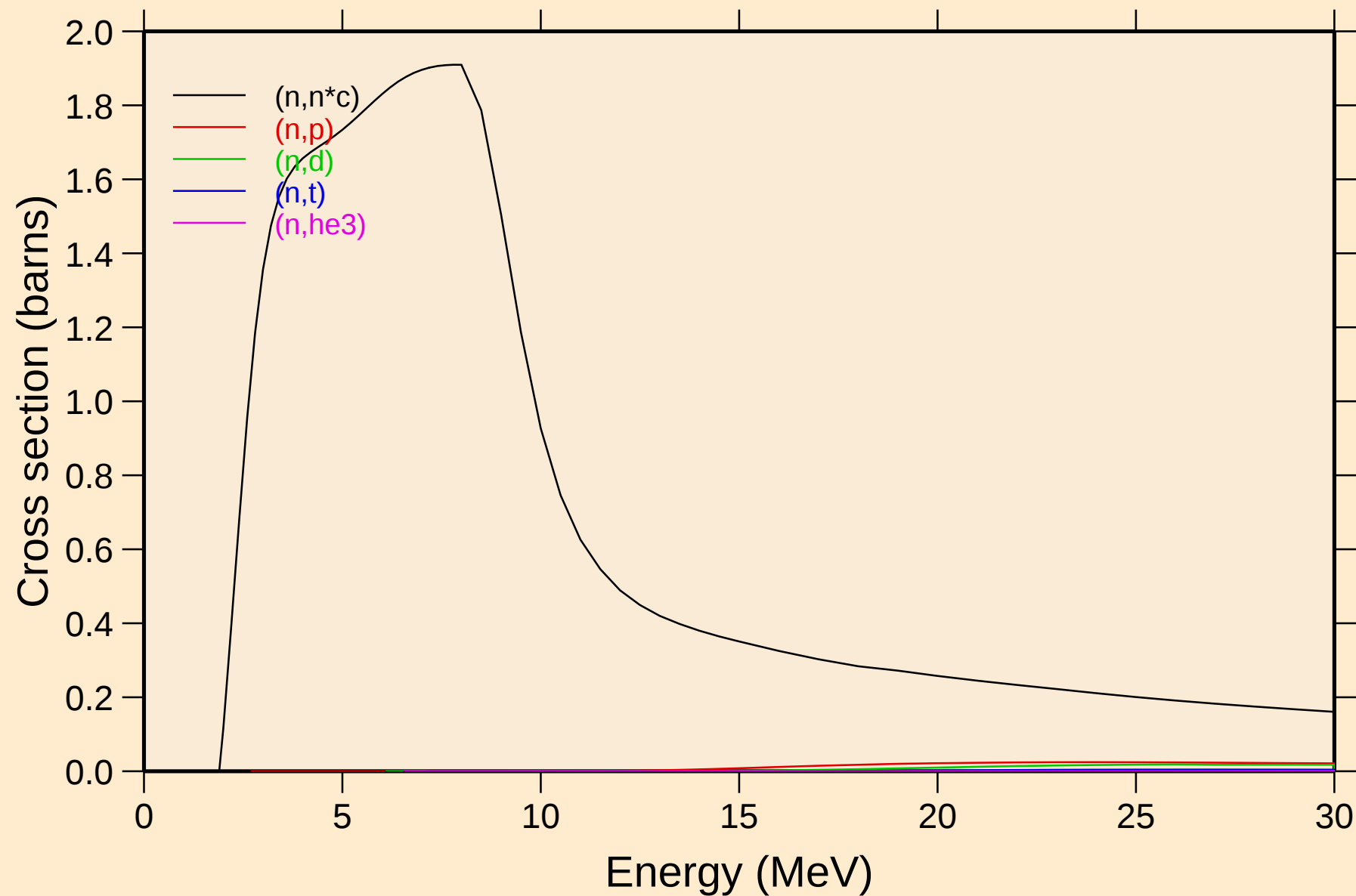


SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



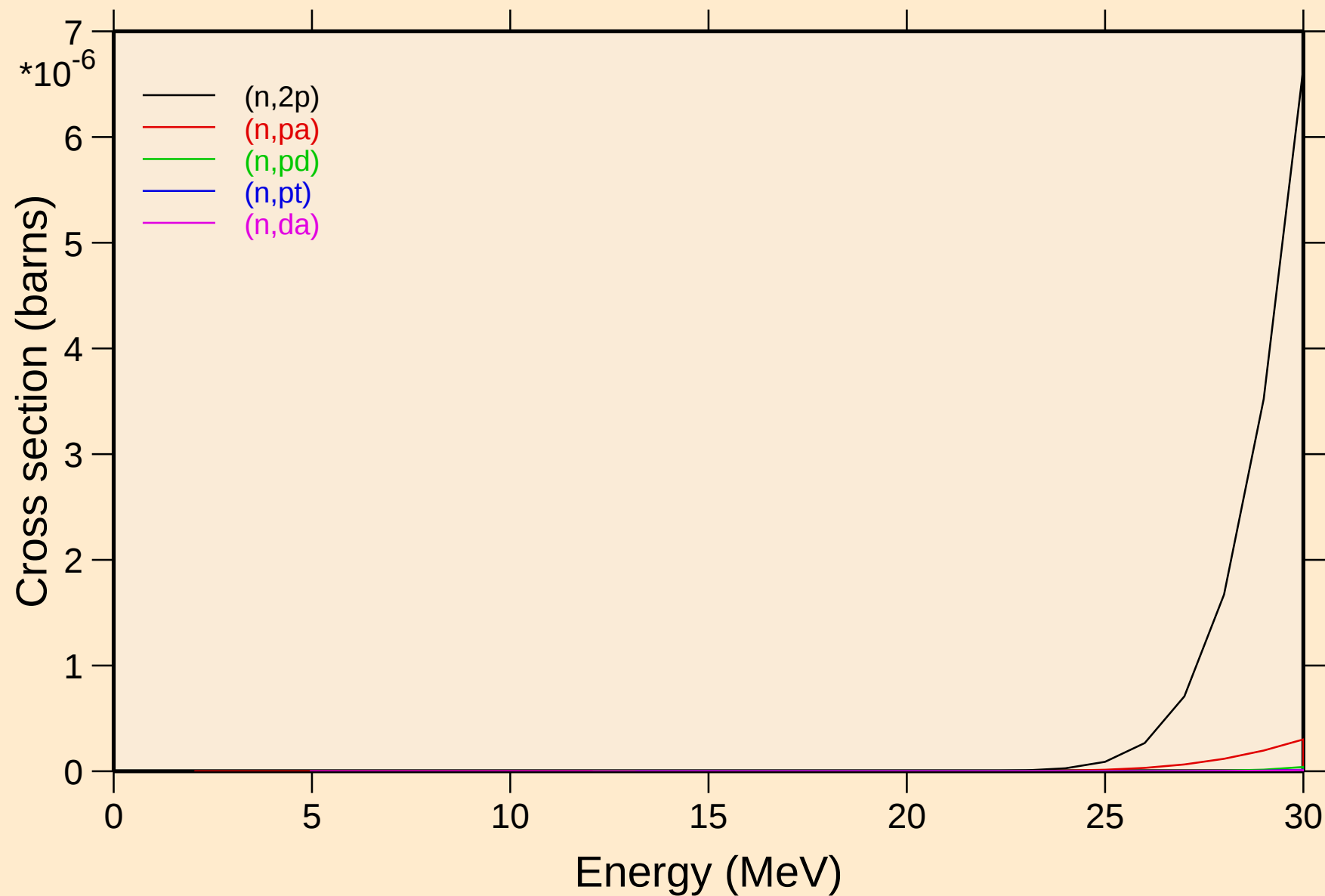
# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

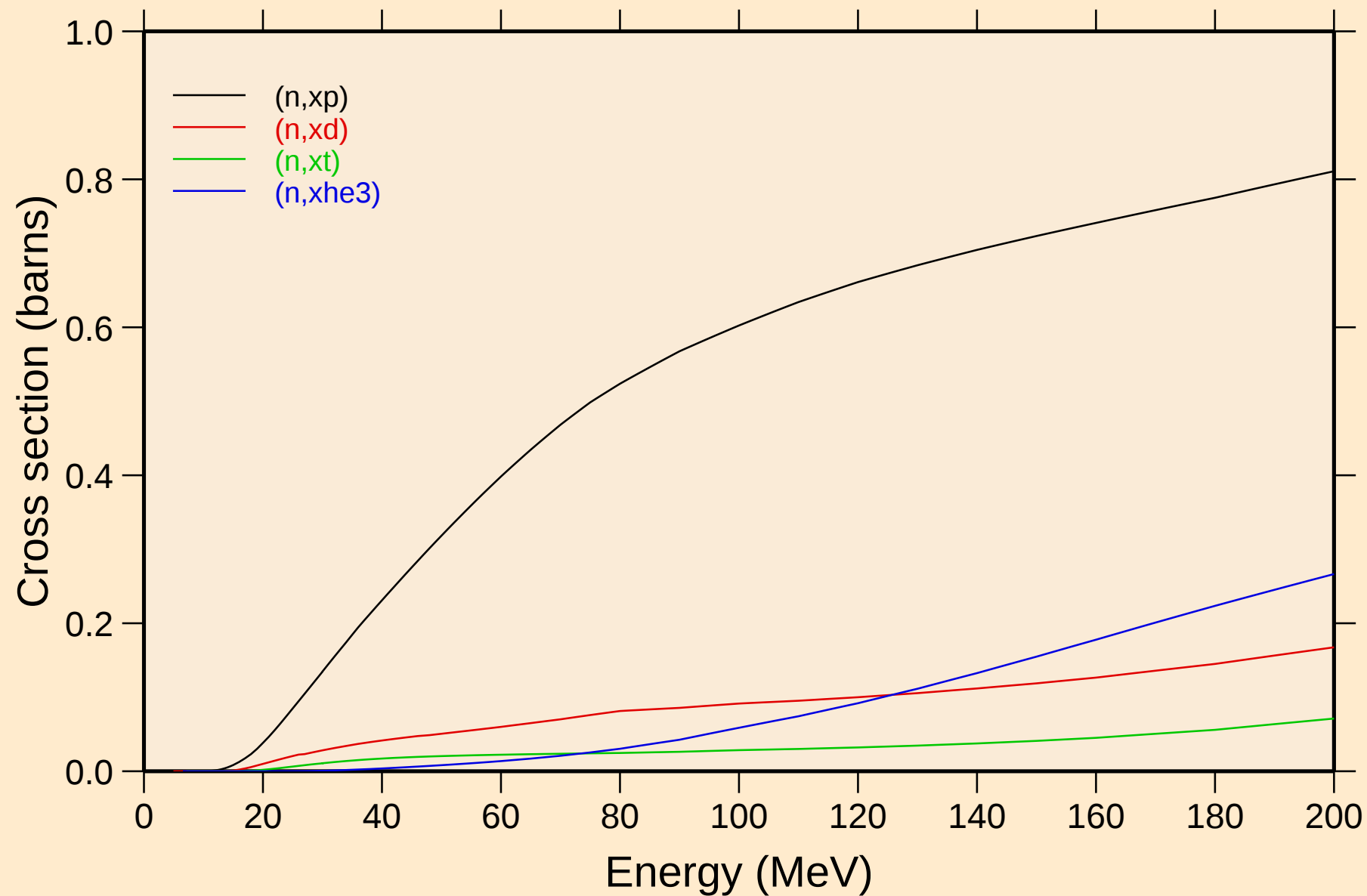


# SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

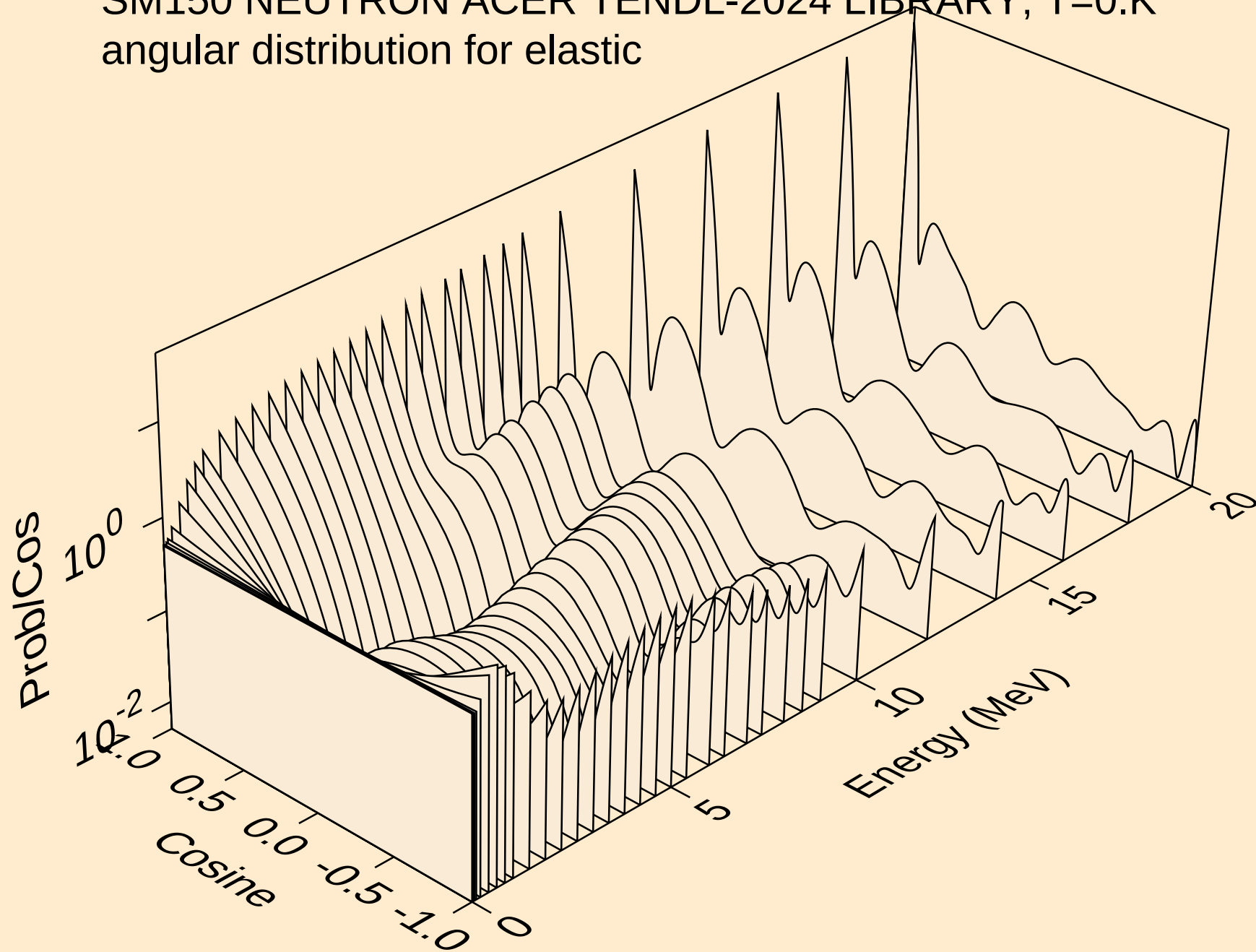
## Threshold reactions



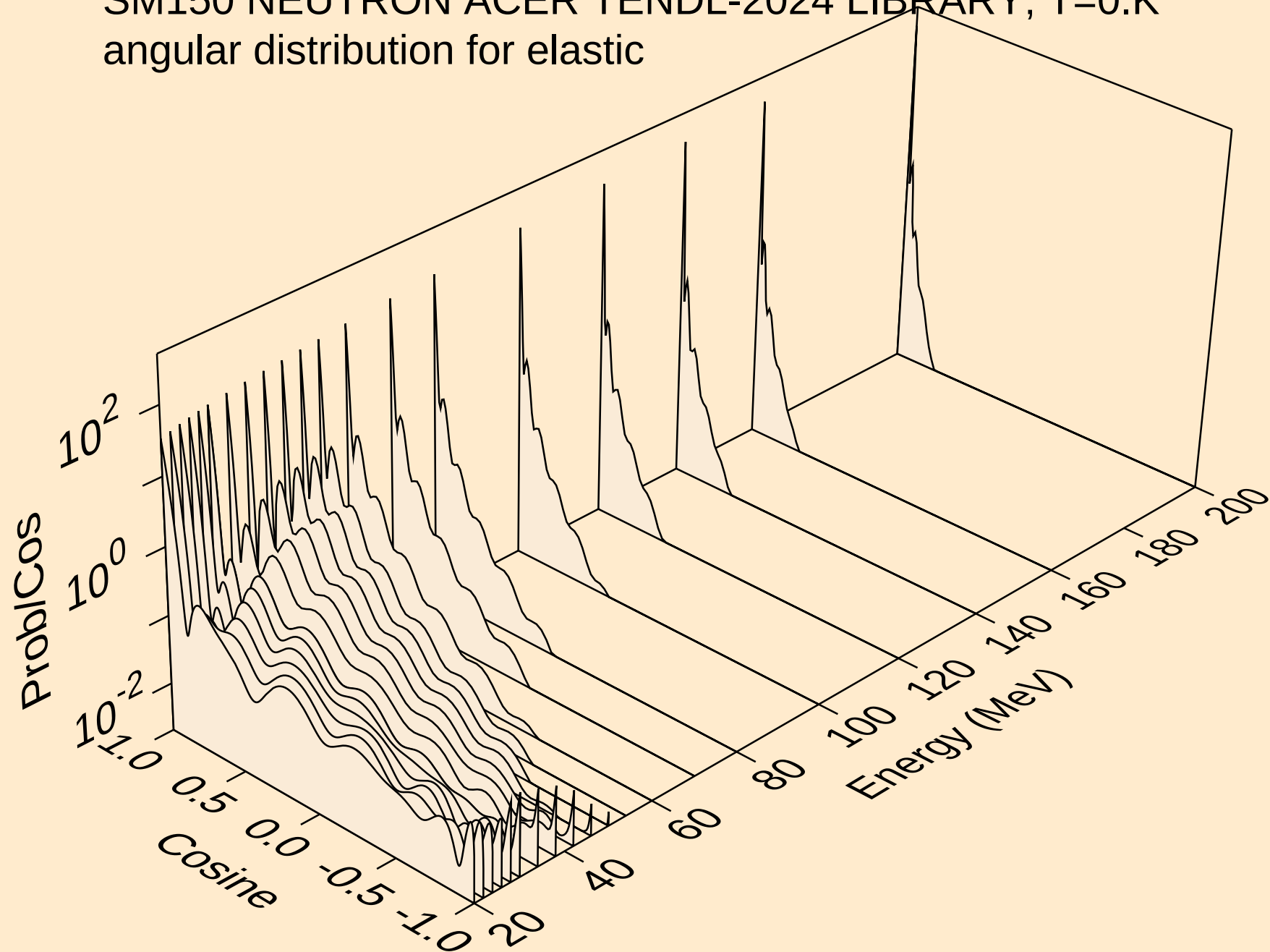
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



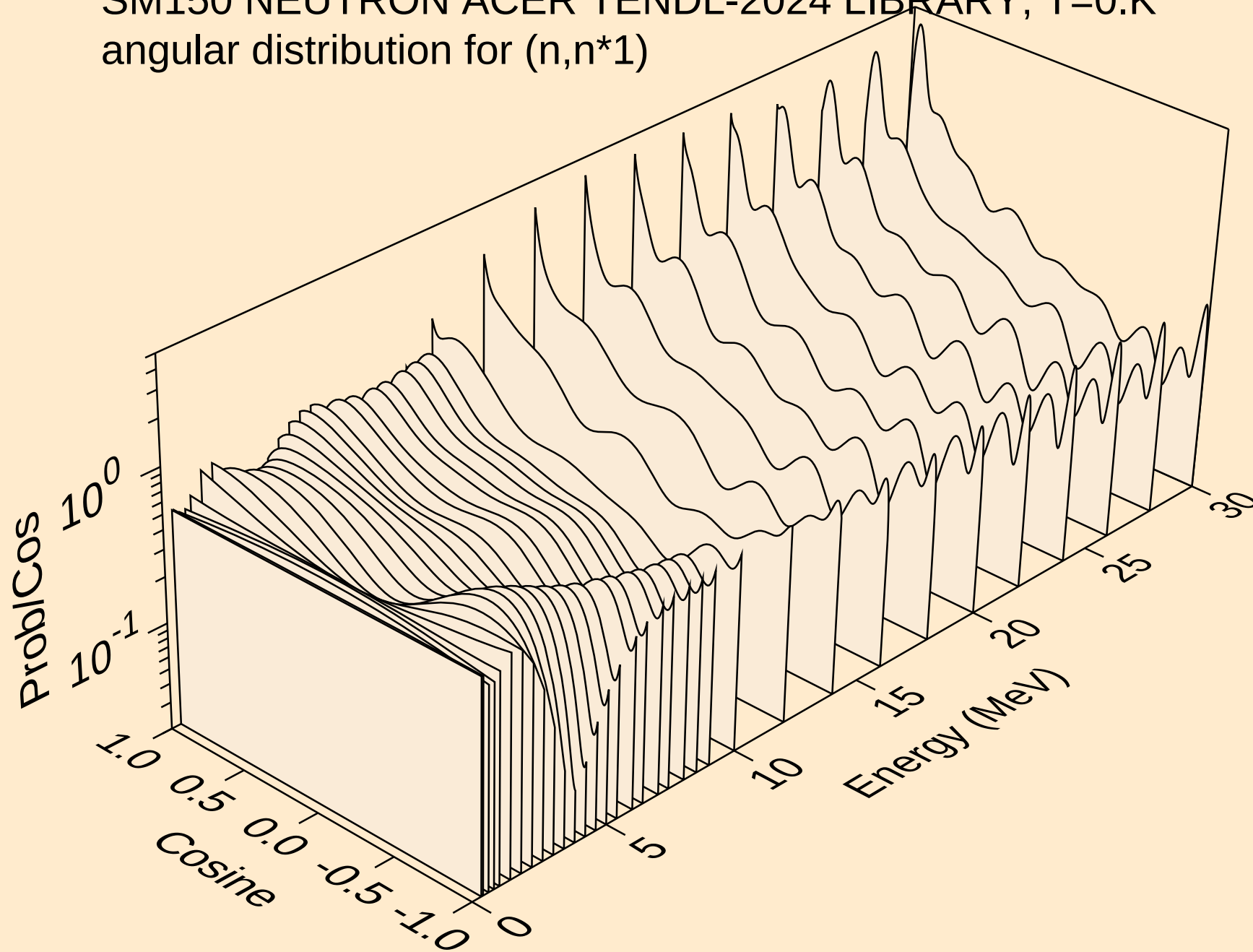
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



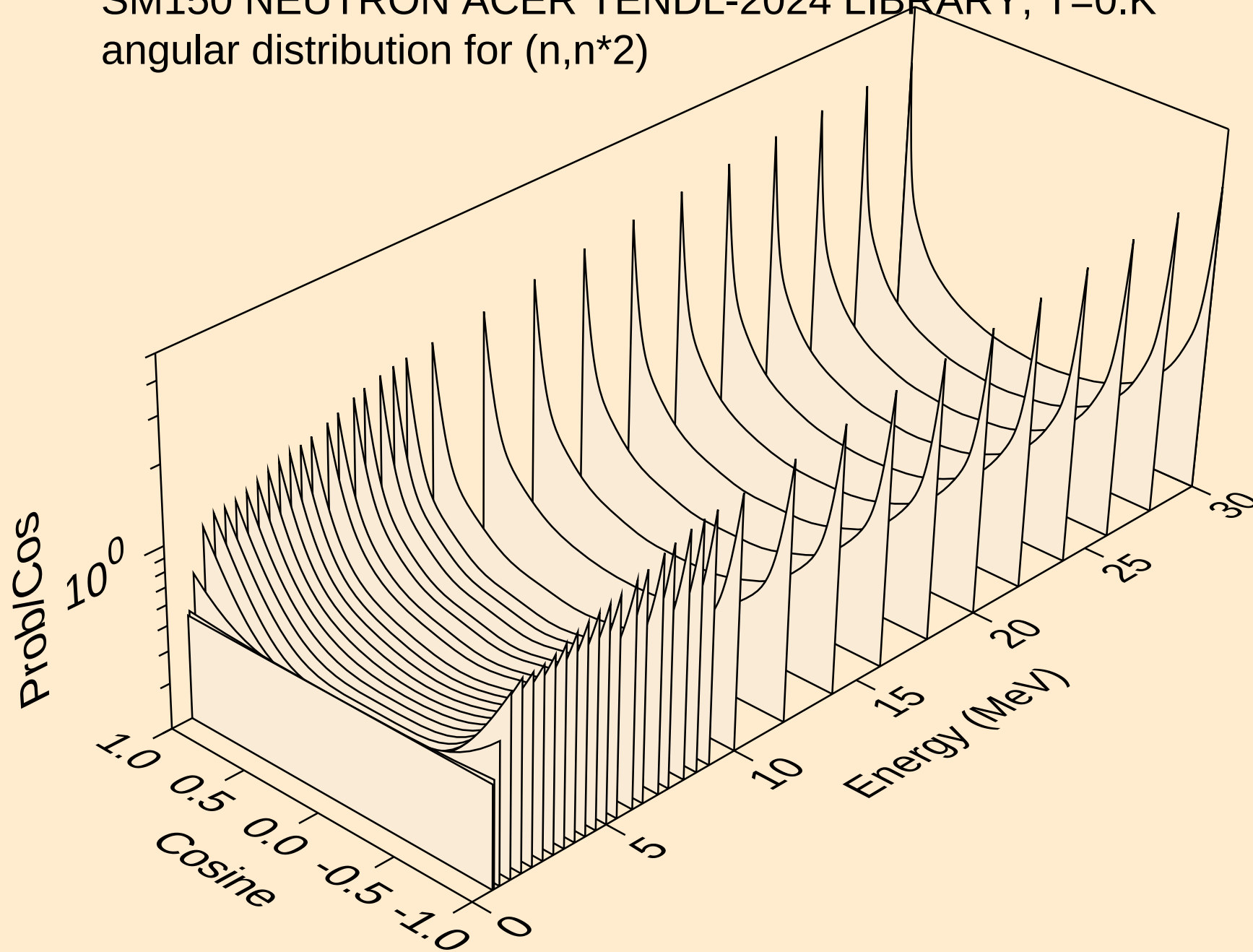
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



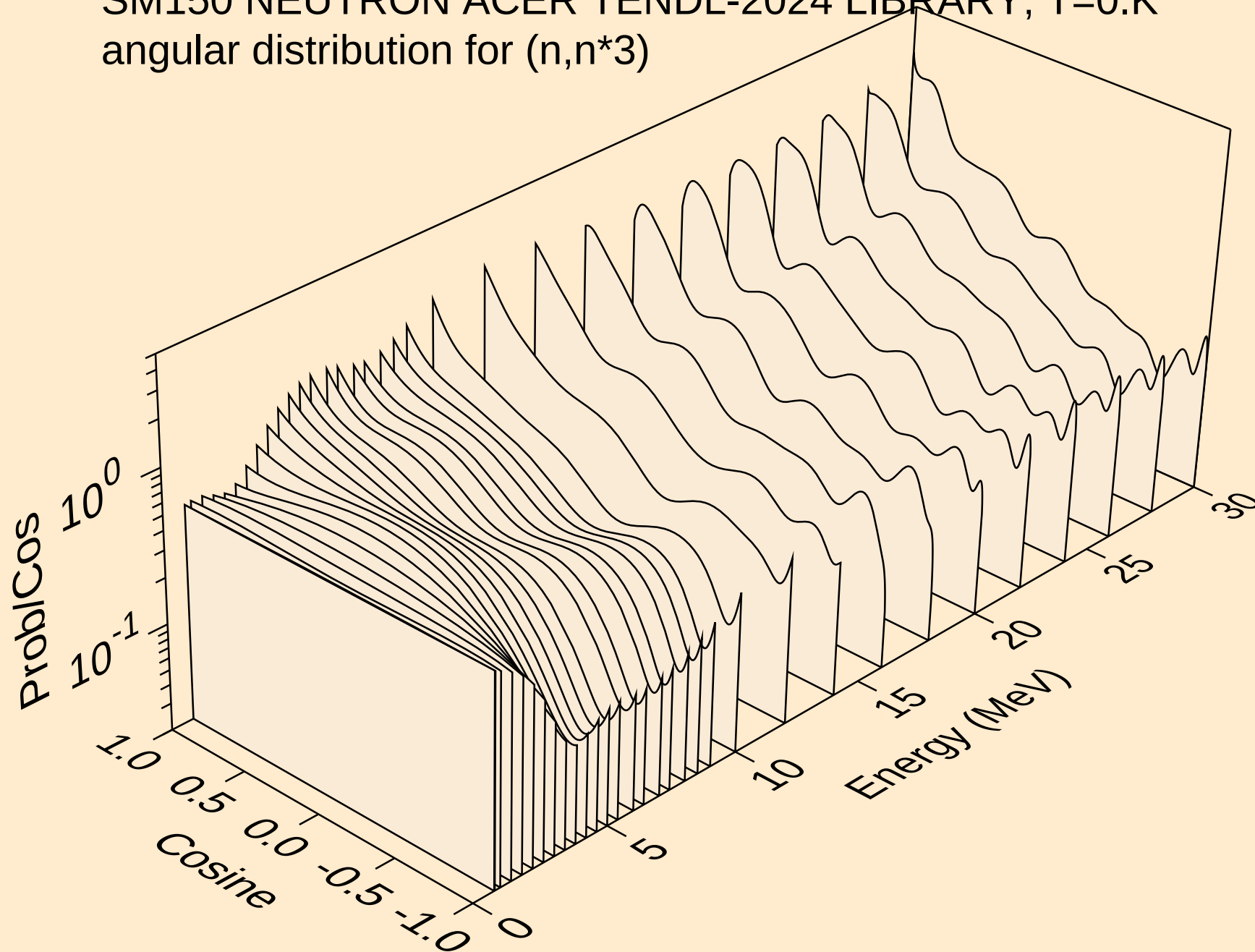
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



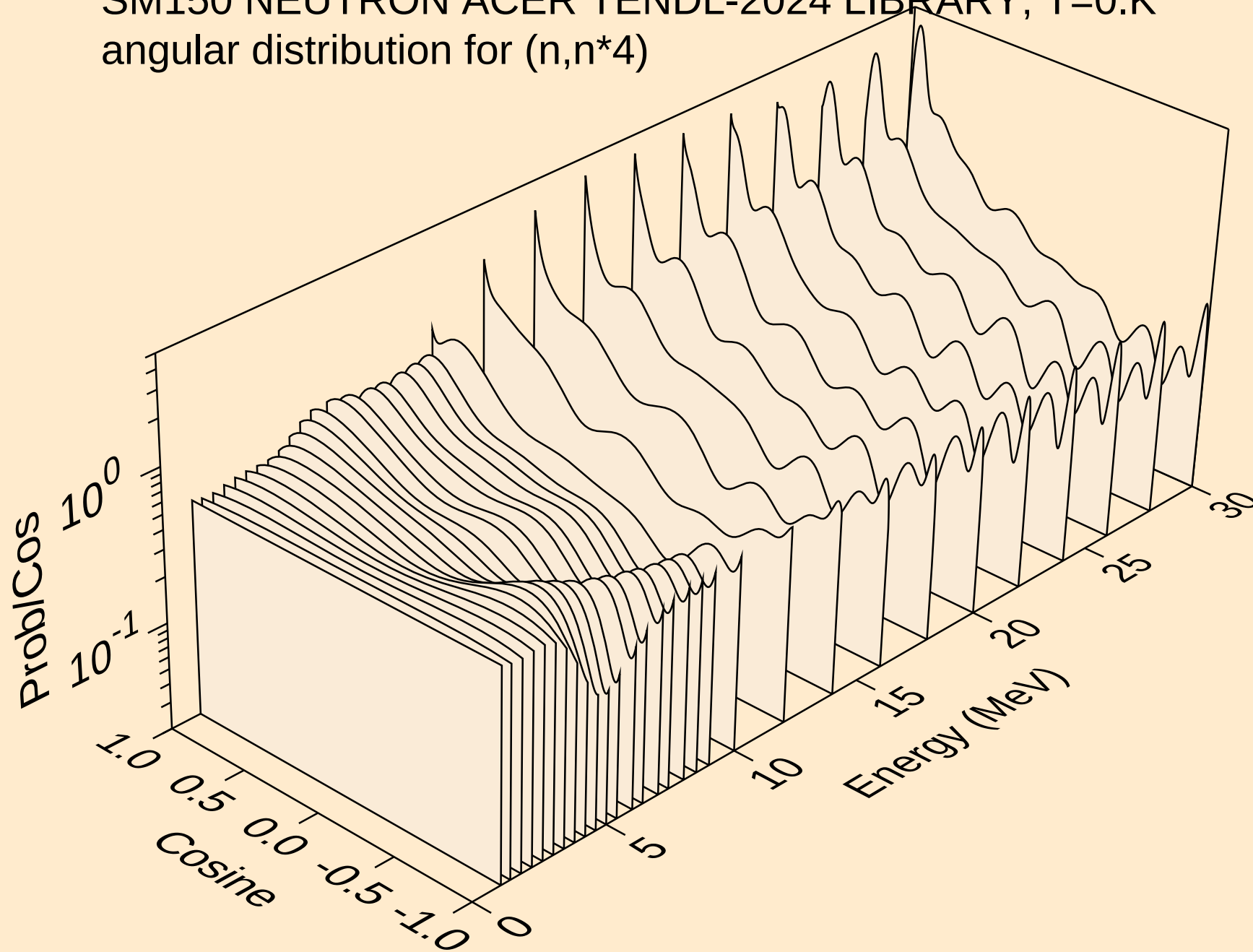
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angular distribution for (n,n\*2)



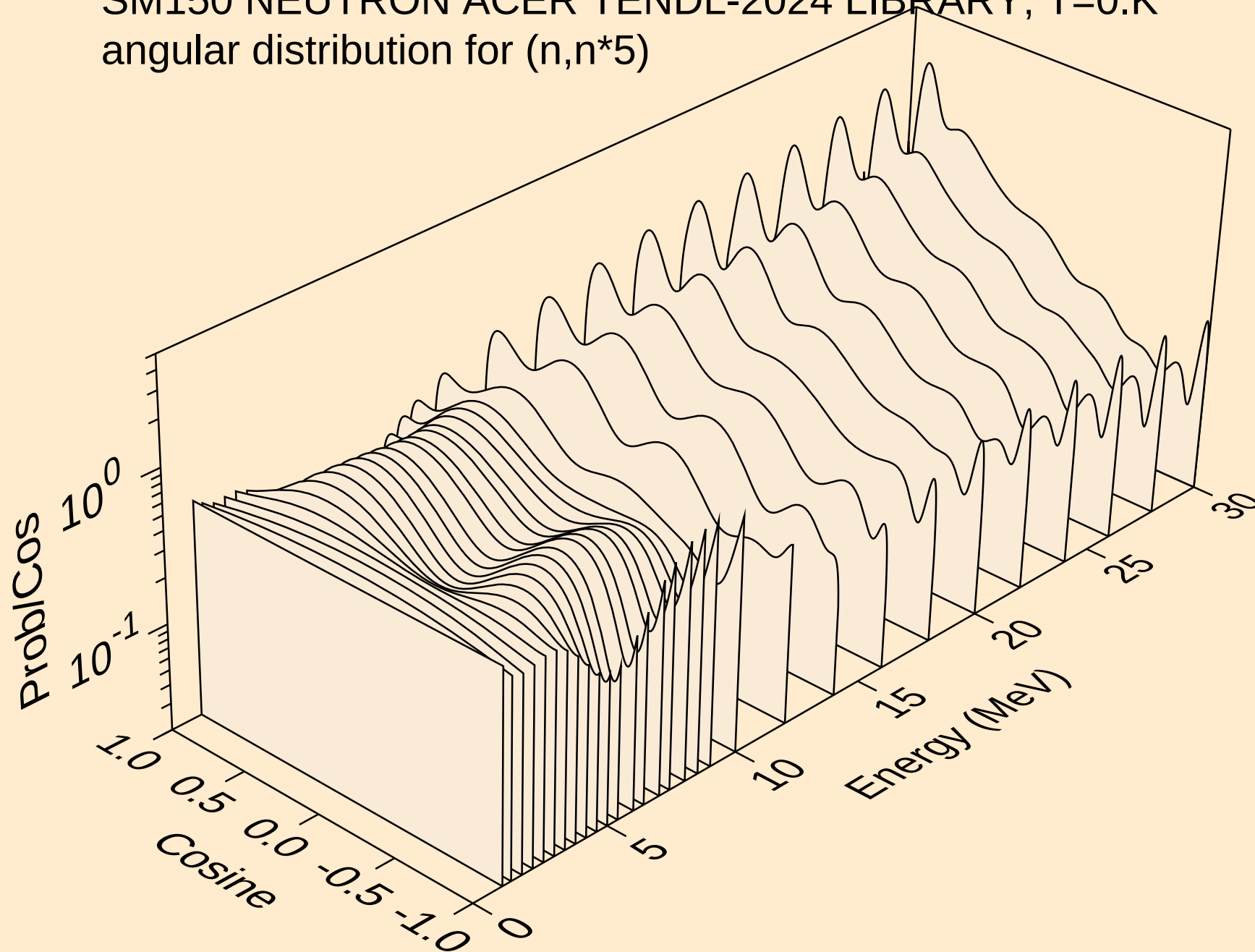
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



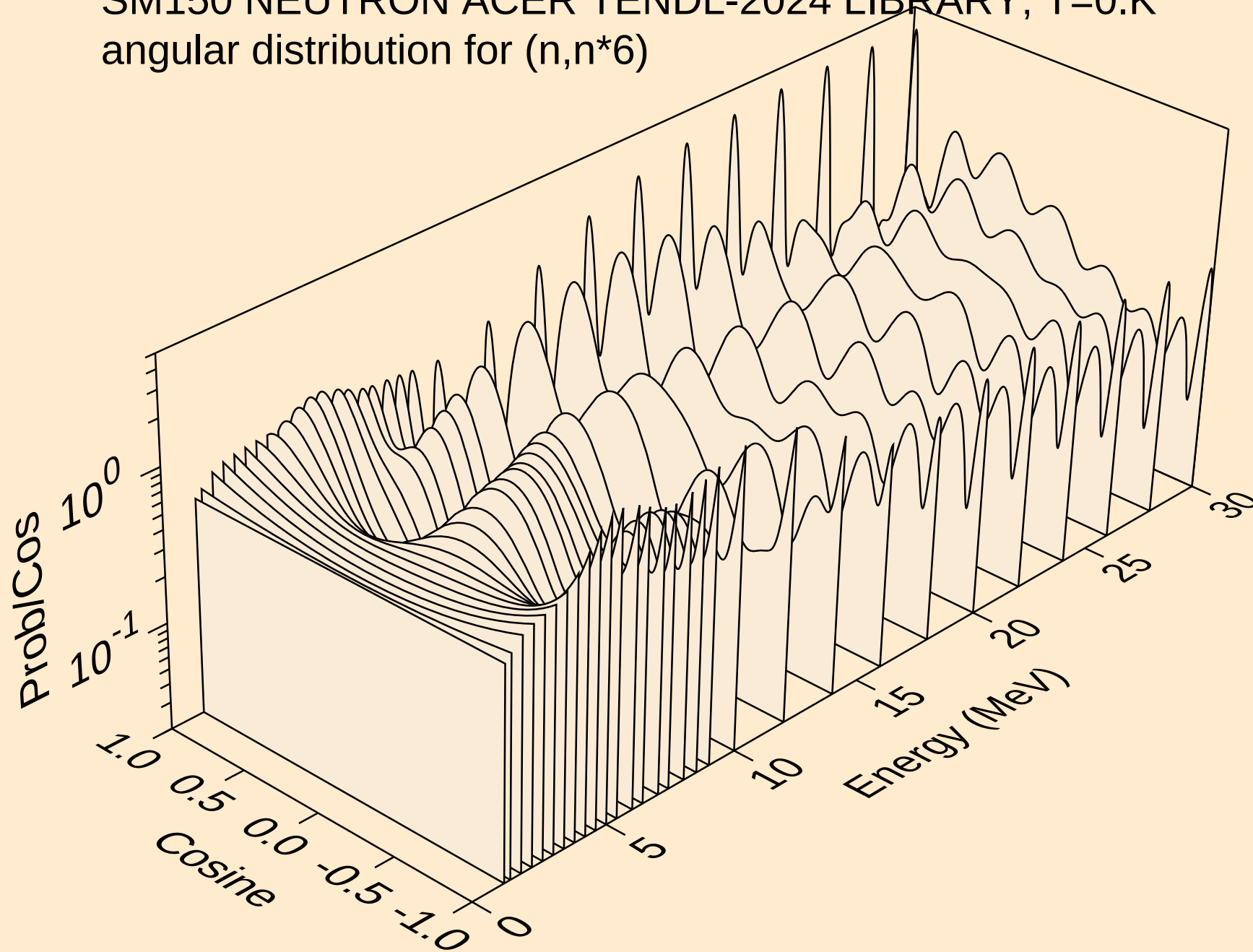
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angular distribution for (n,n\*4)



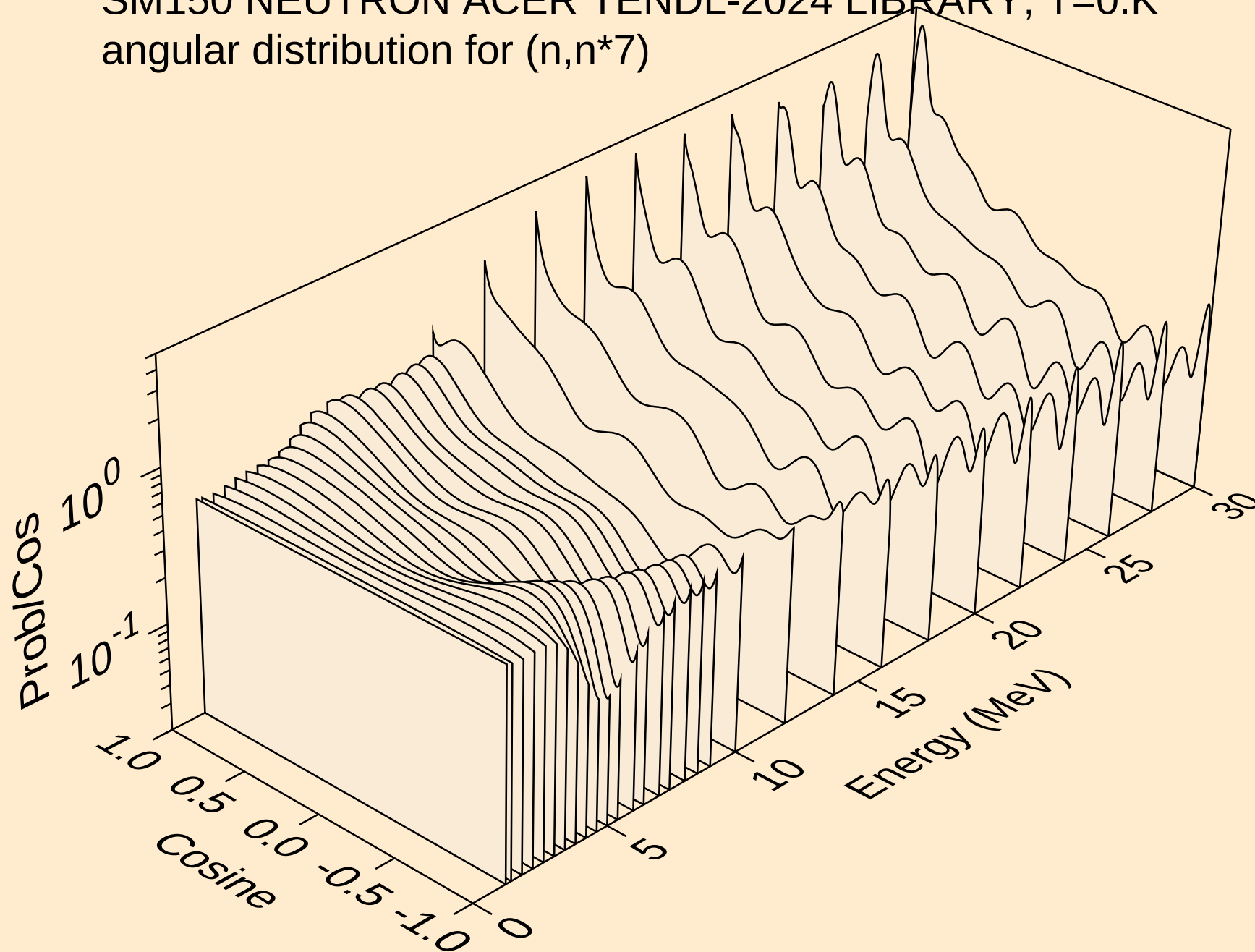
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



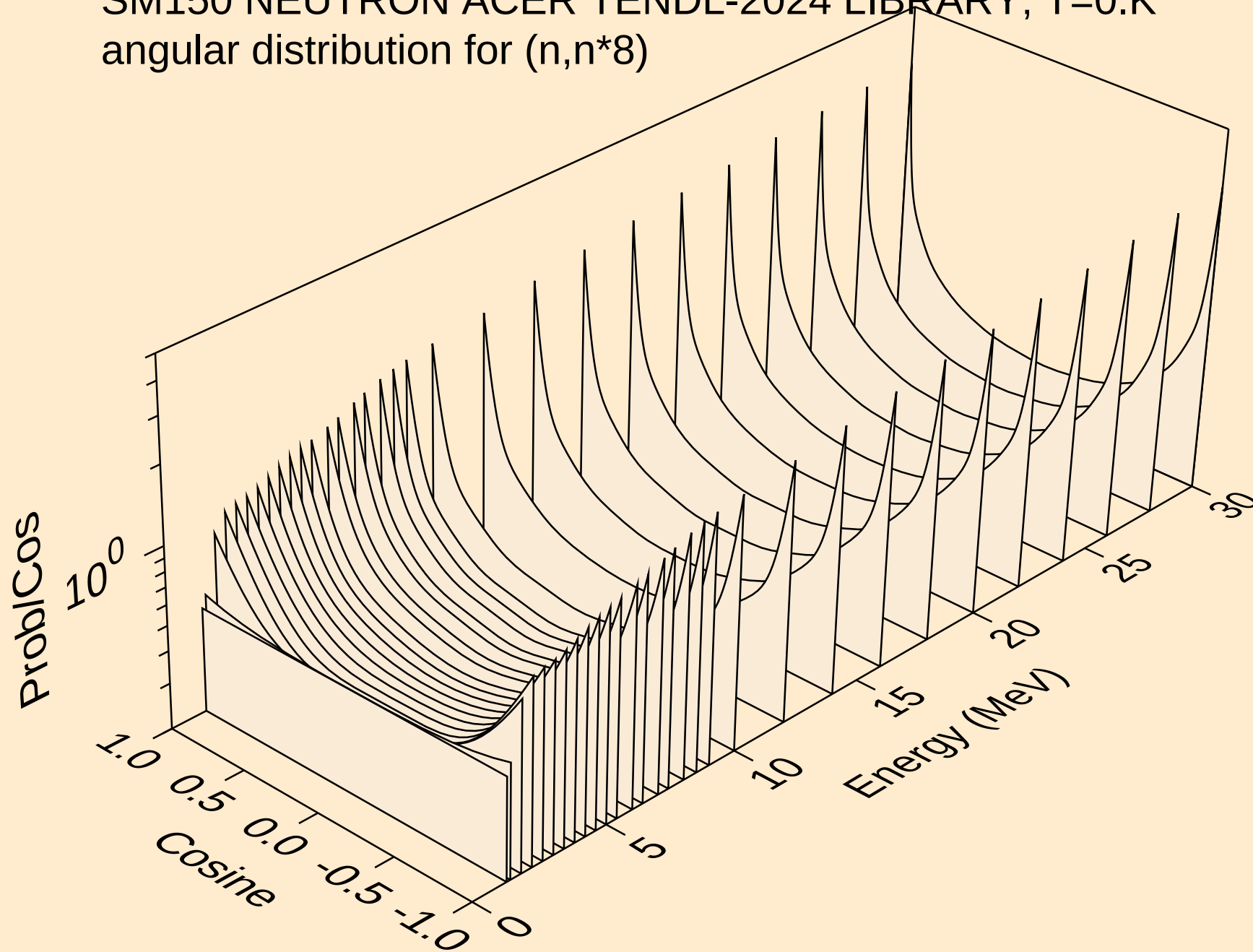
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angular distribution for (n,n\*6)



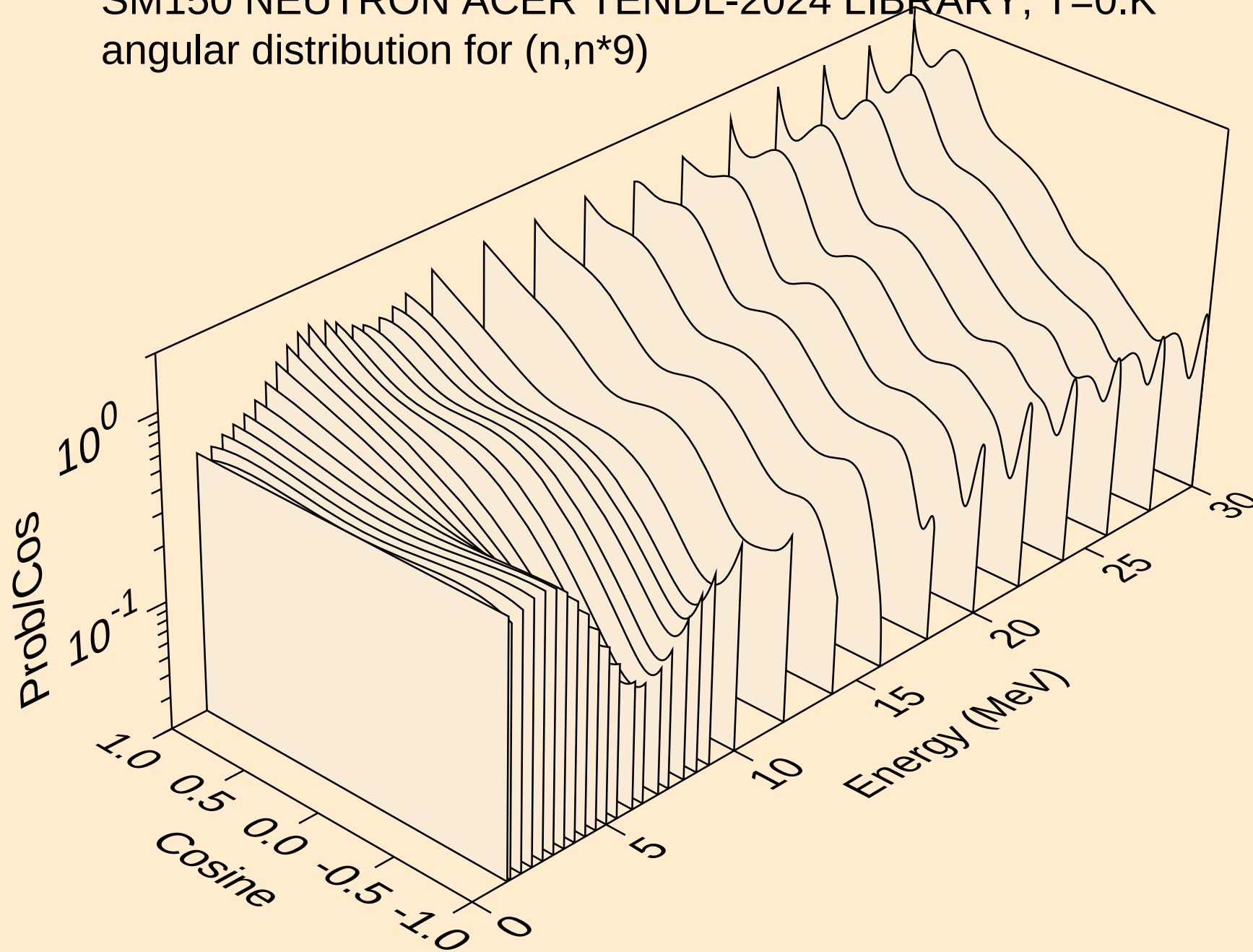
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angular distribution for (n,n\*7)



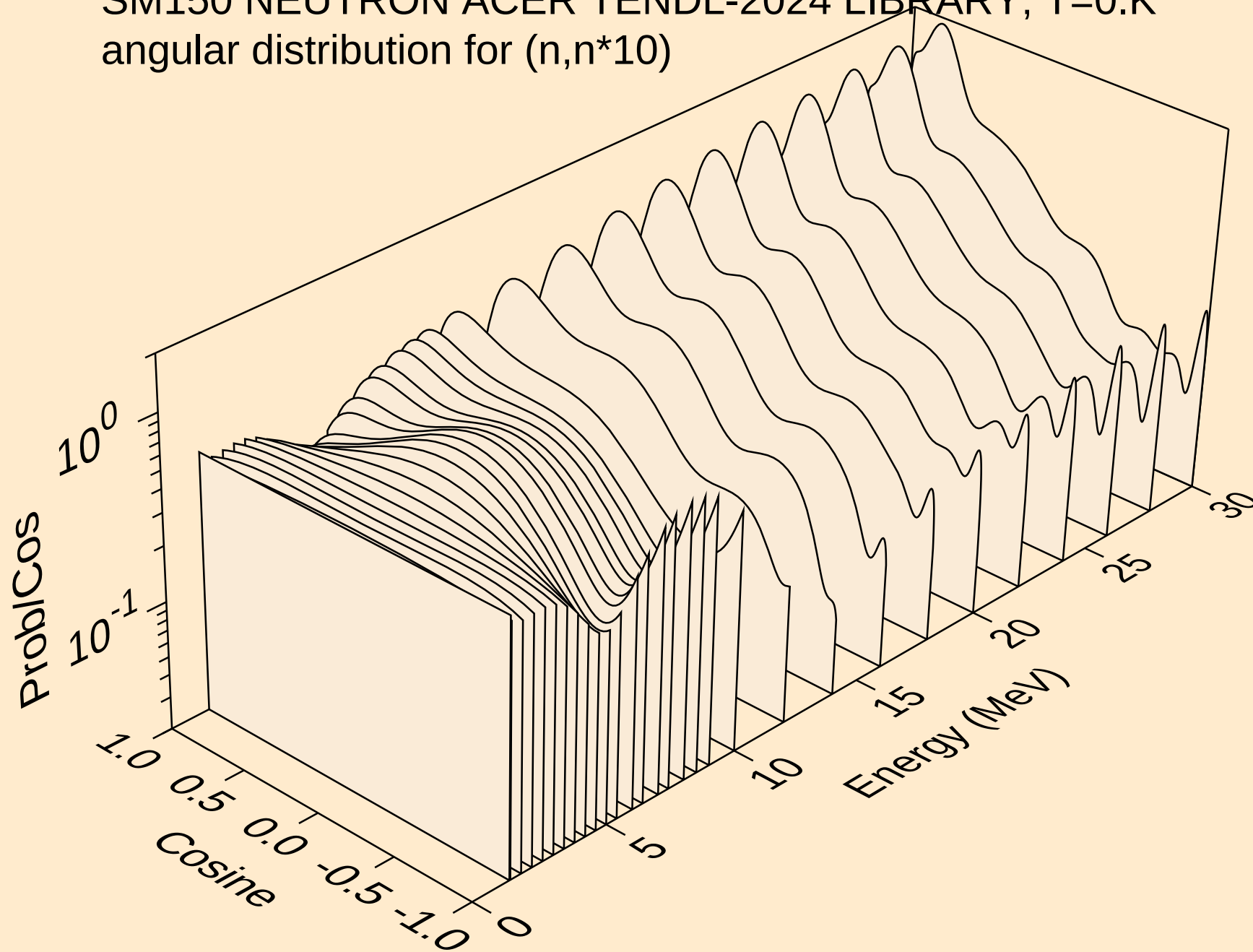
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angular distribution for (n,n\*8)



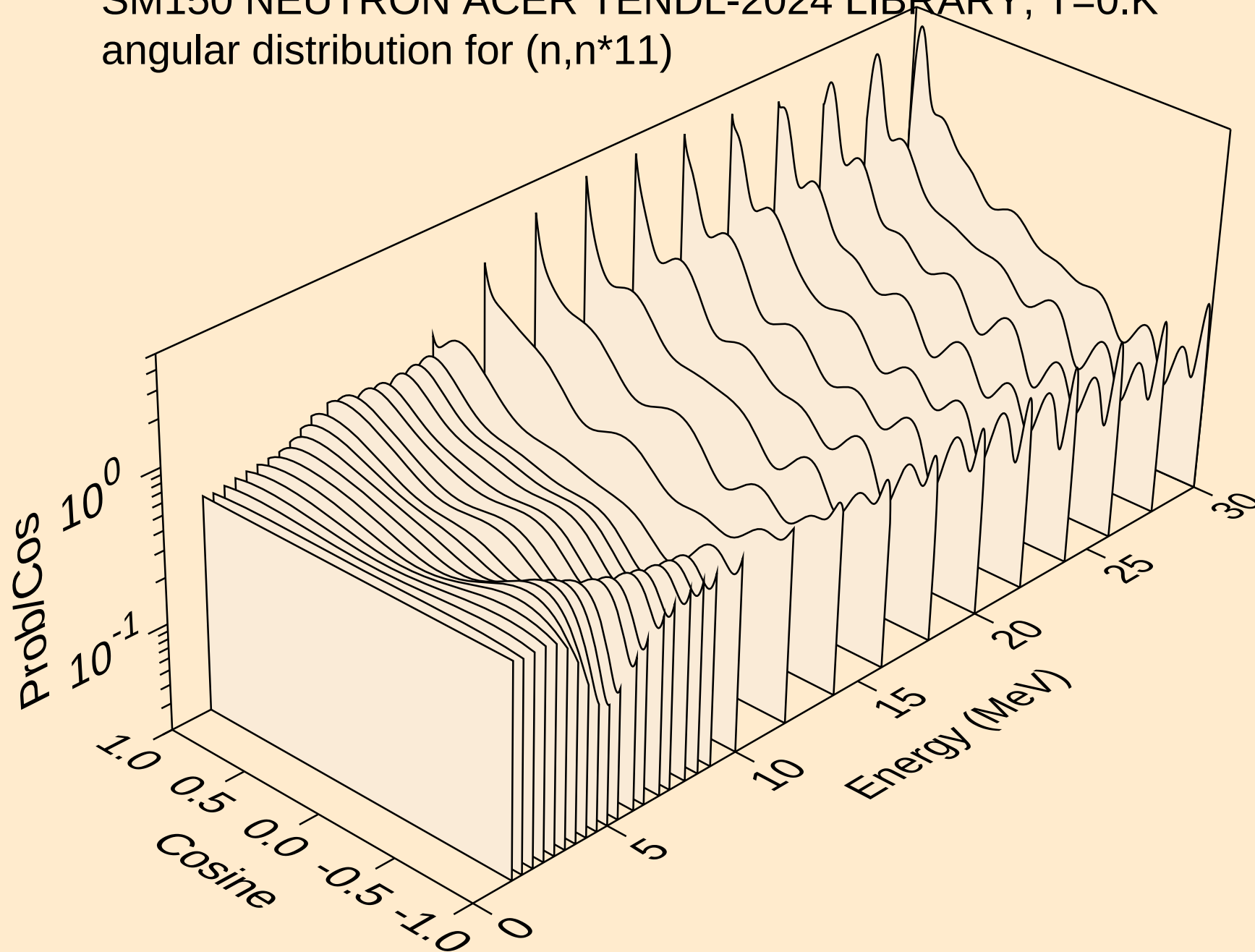
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angular distribution for (n,n\*9)



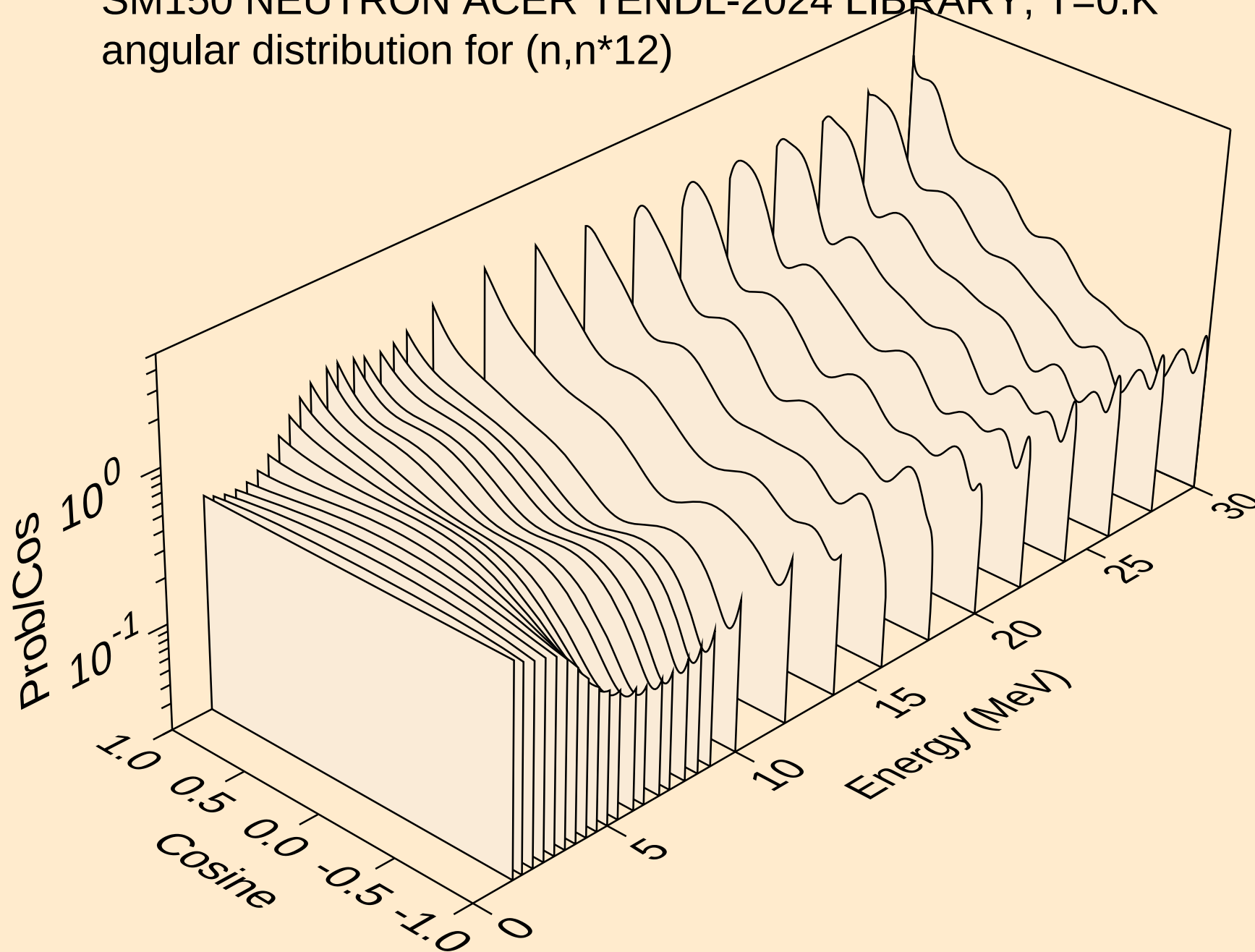
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angular distribution for (n,n\*10)



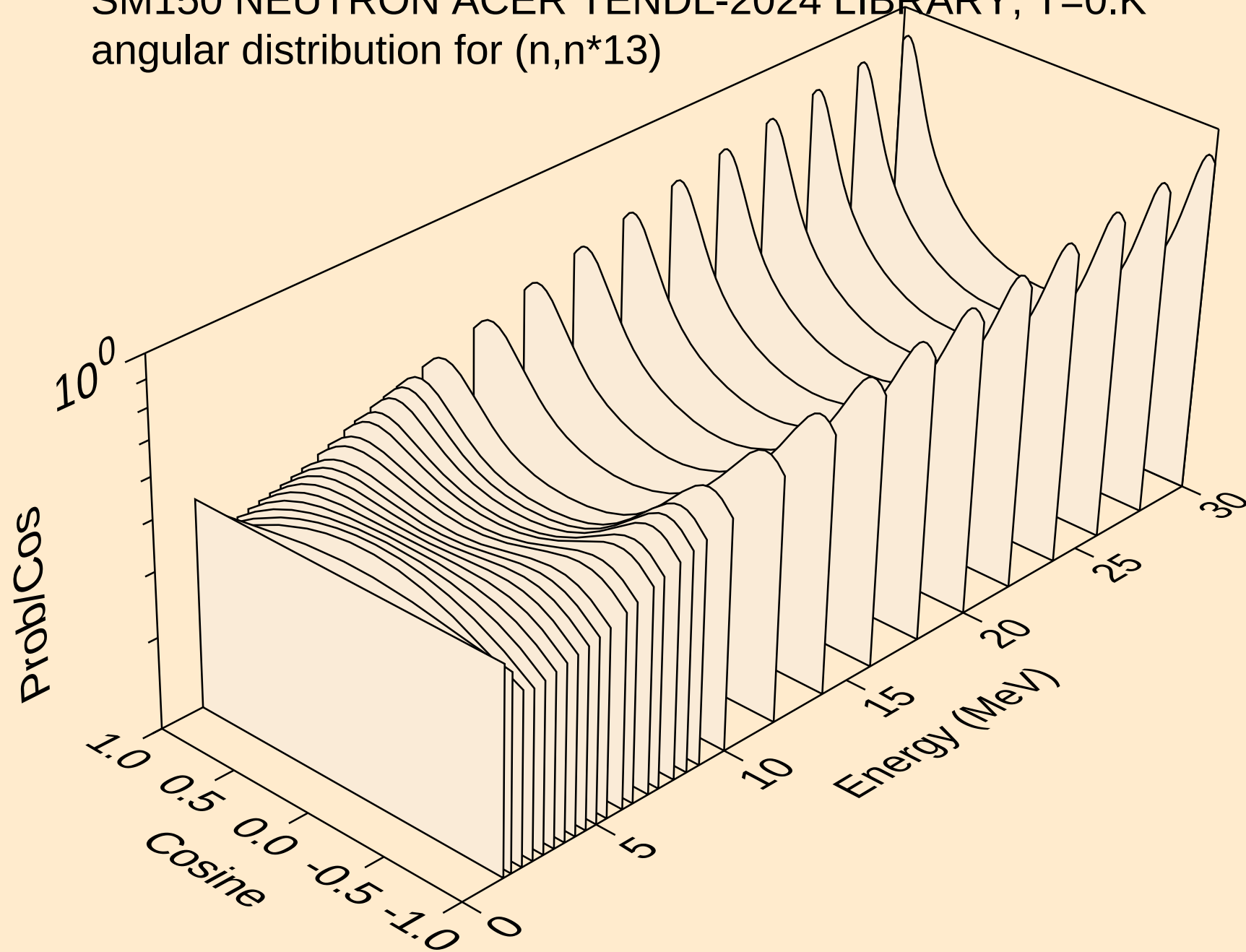
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angular distribution for (n,n\*11)



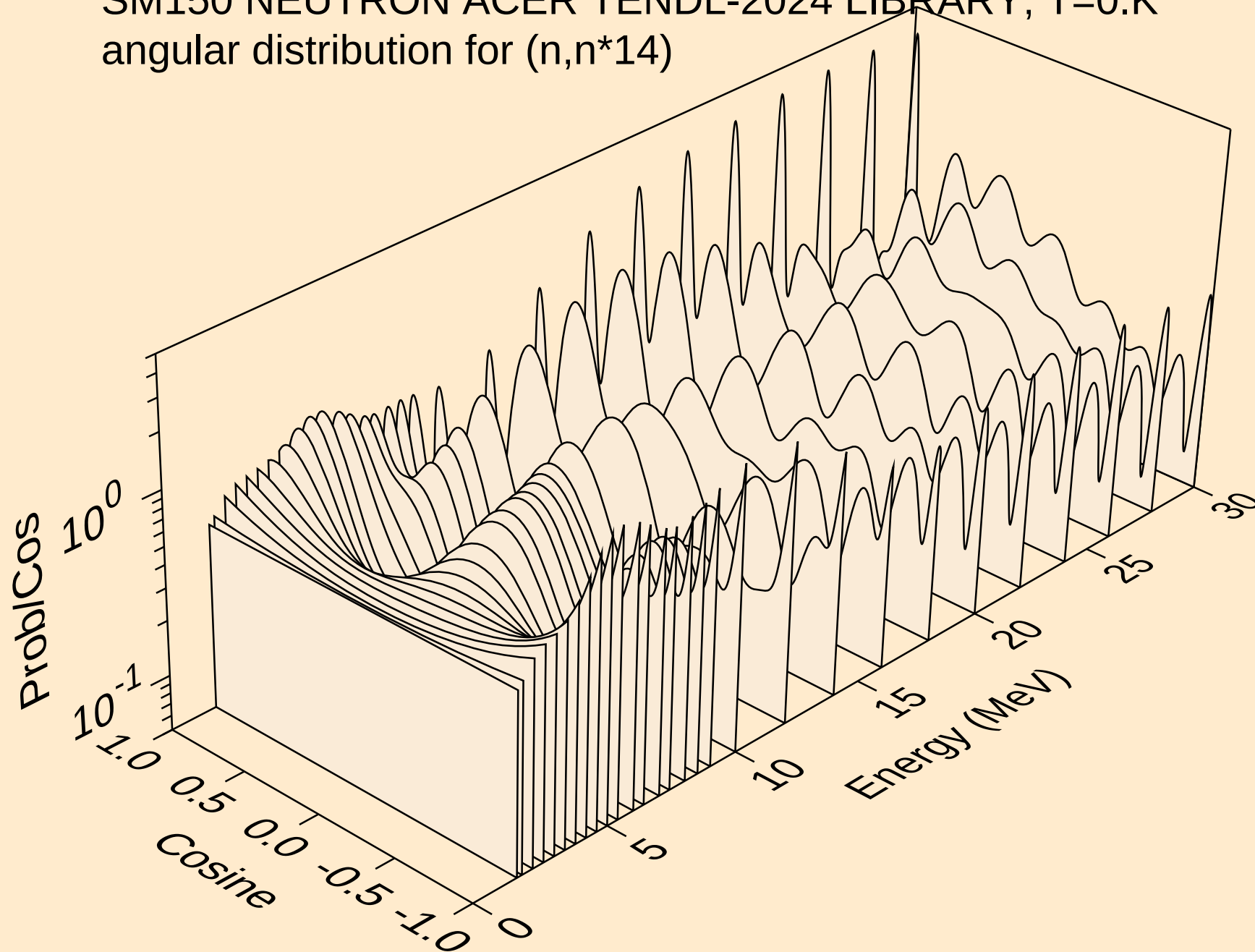
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angular distribution for (n,n\*12)



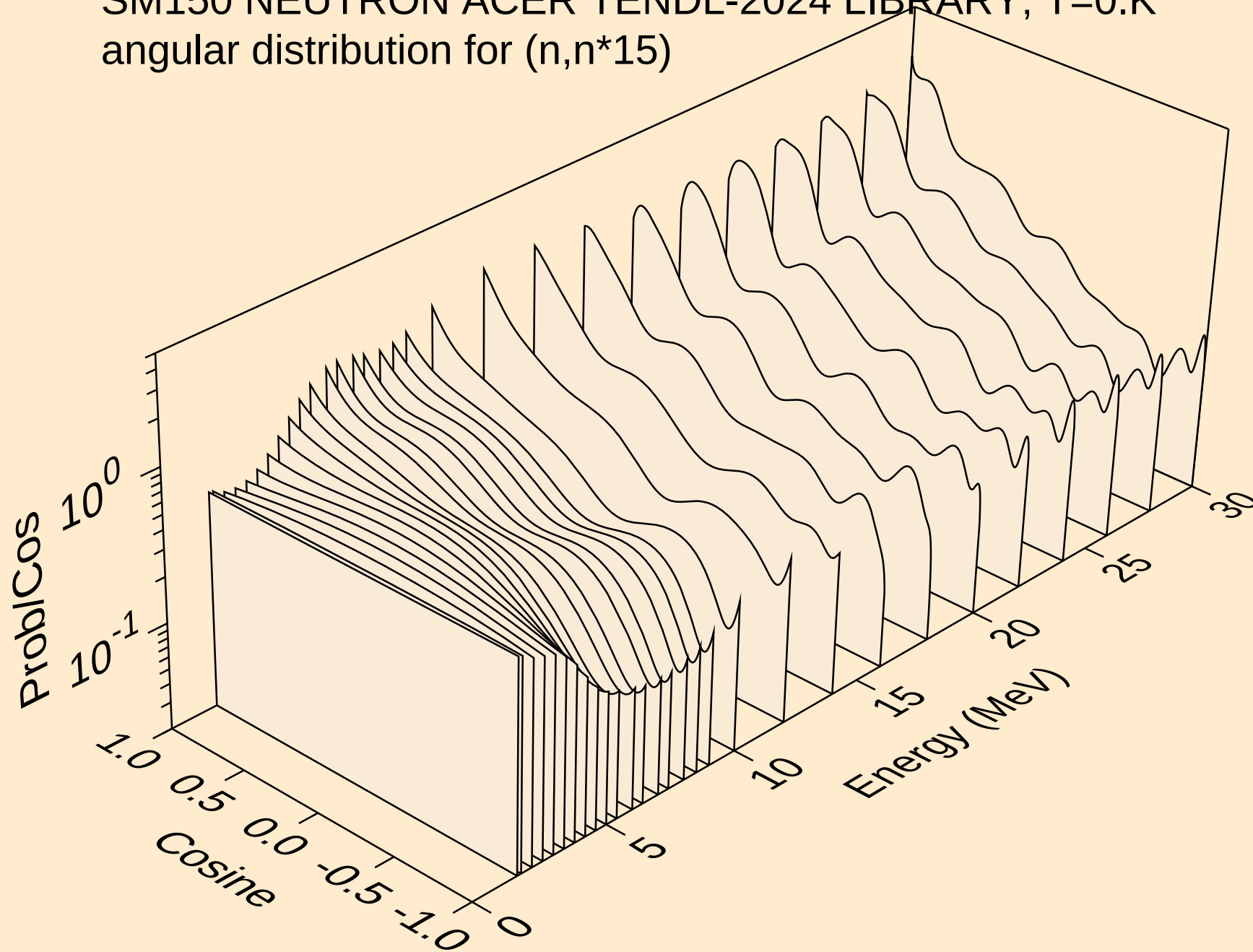
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angular distribution for (n,n\*13)



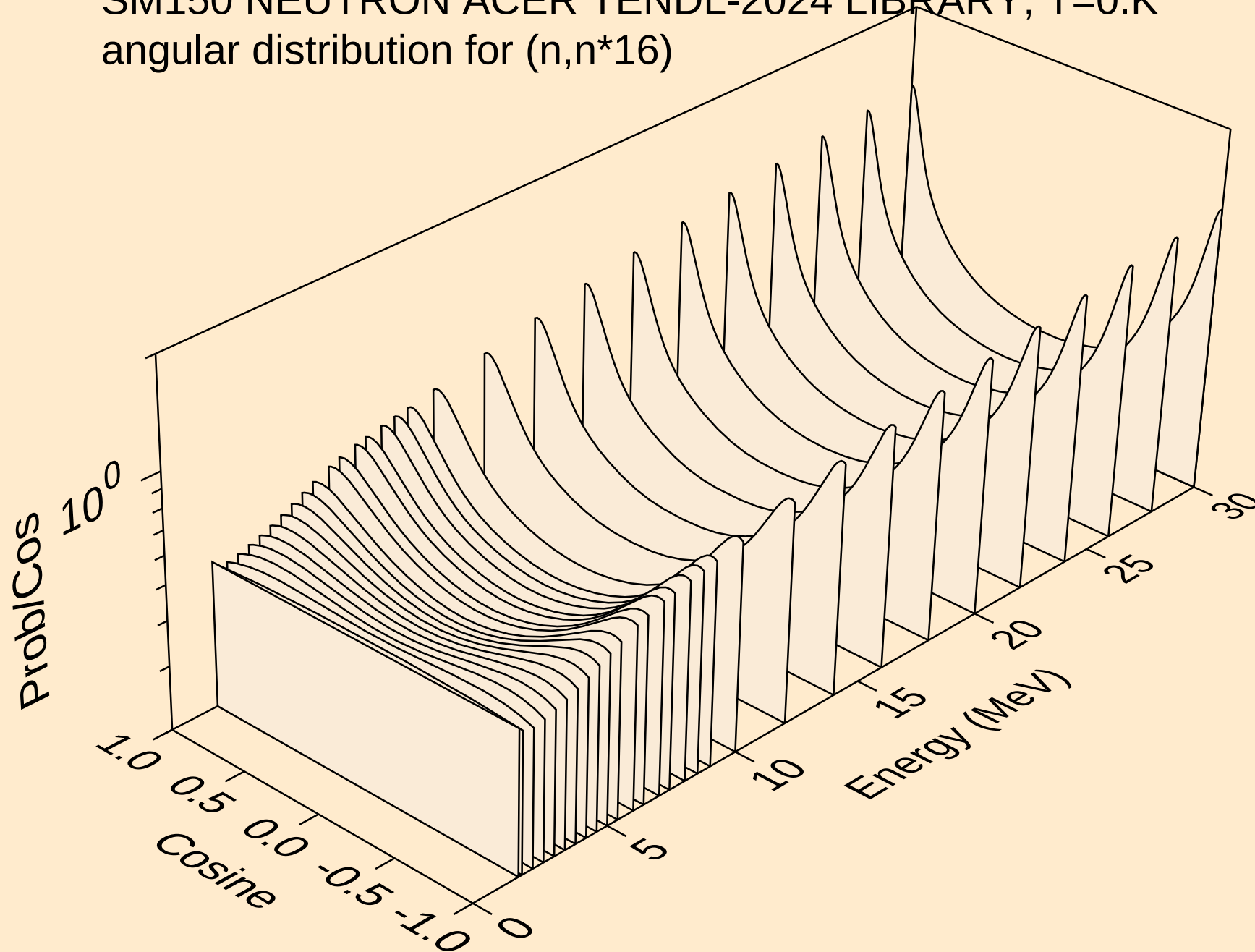
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angular distribution for (n,n\*14)



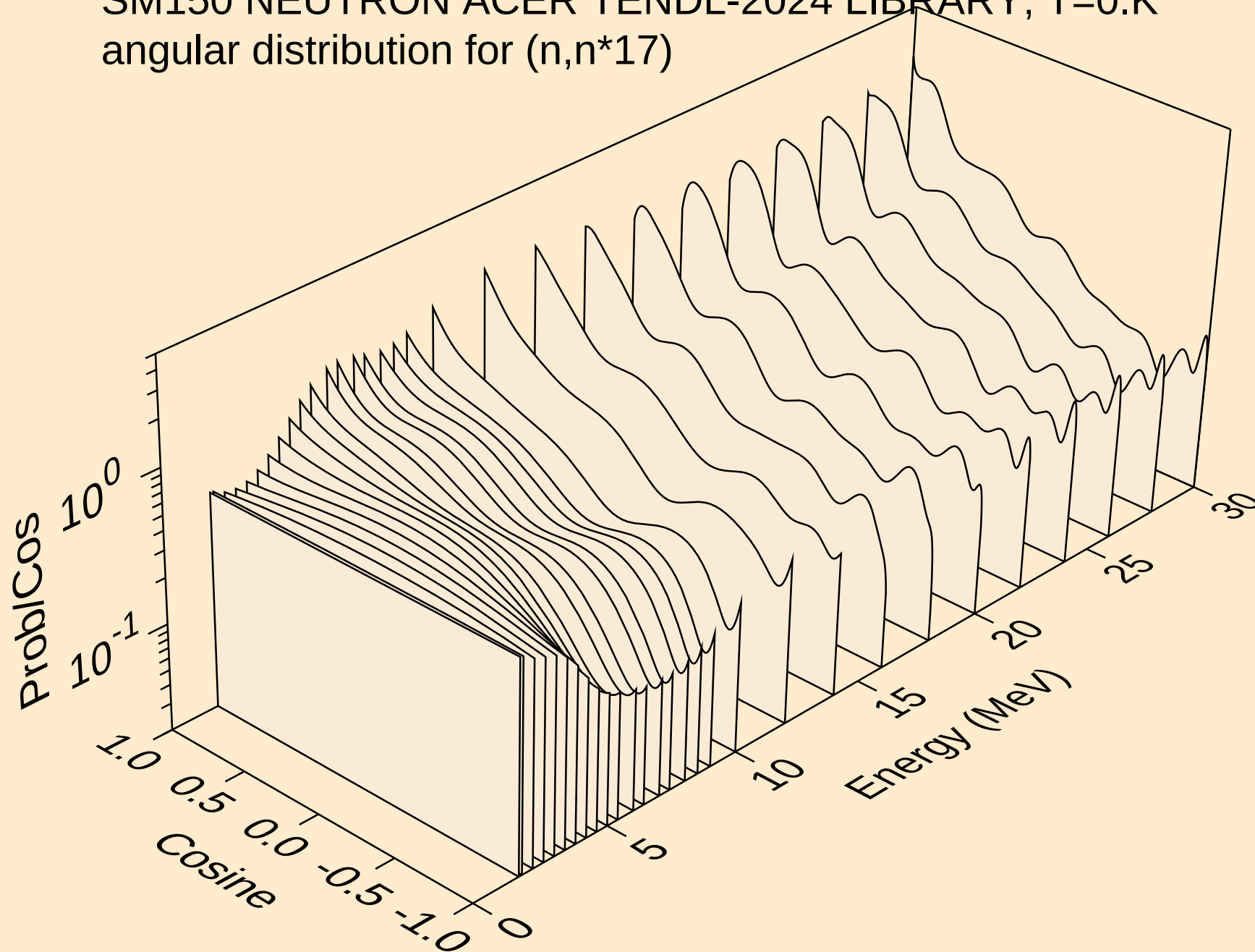
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angular distribution for (n,n\*15)



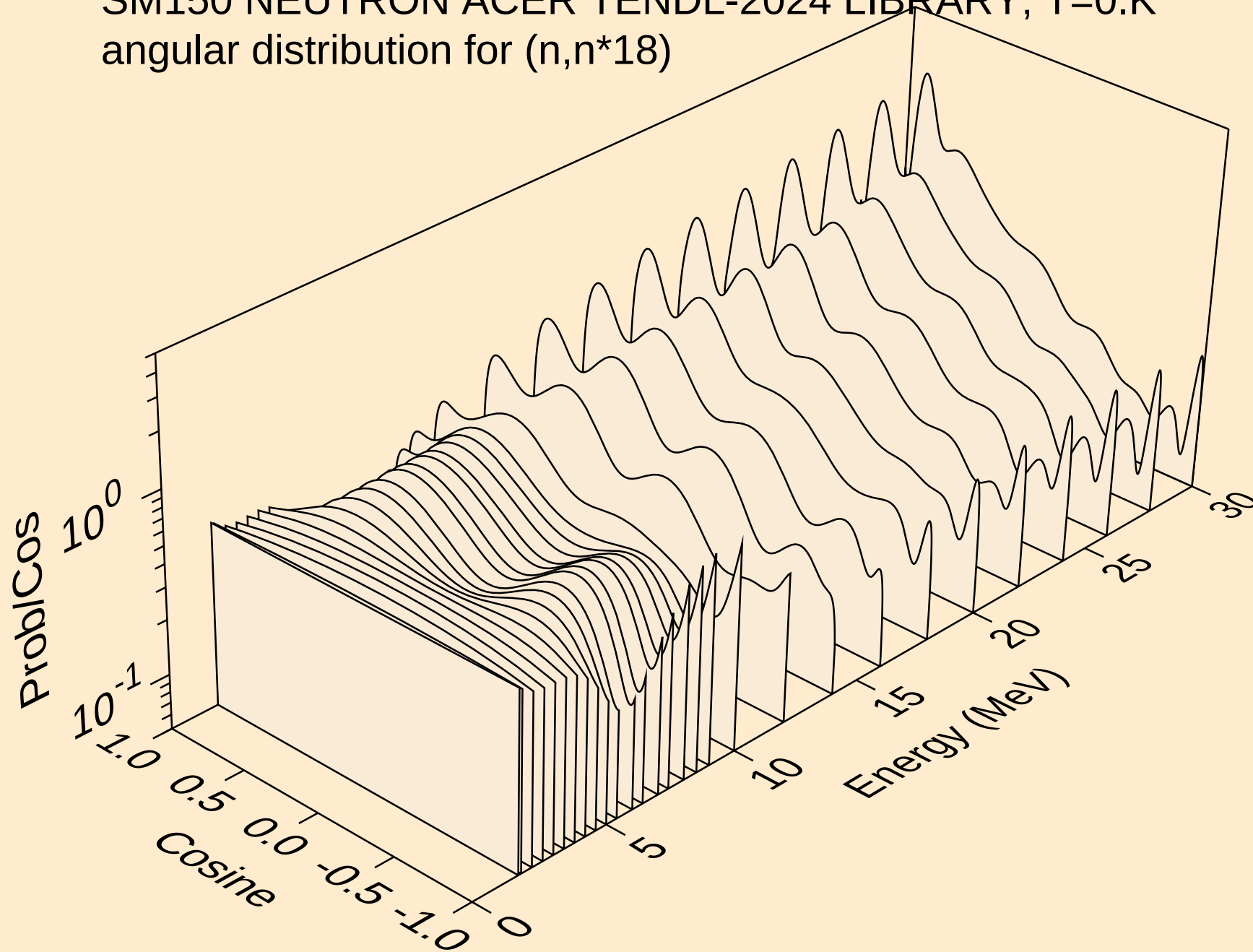
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angular distribution for (n,n\*16)



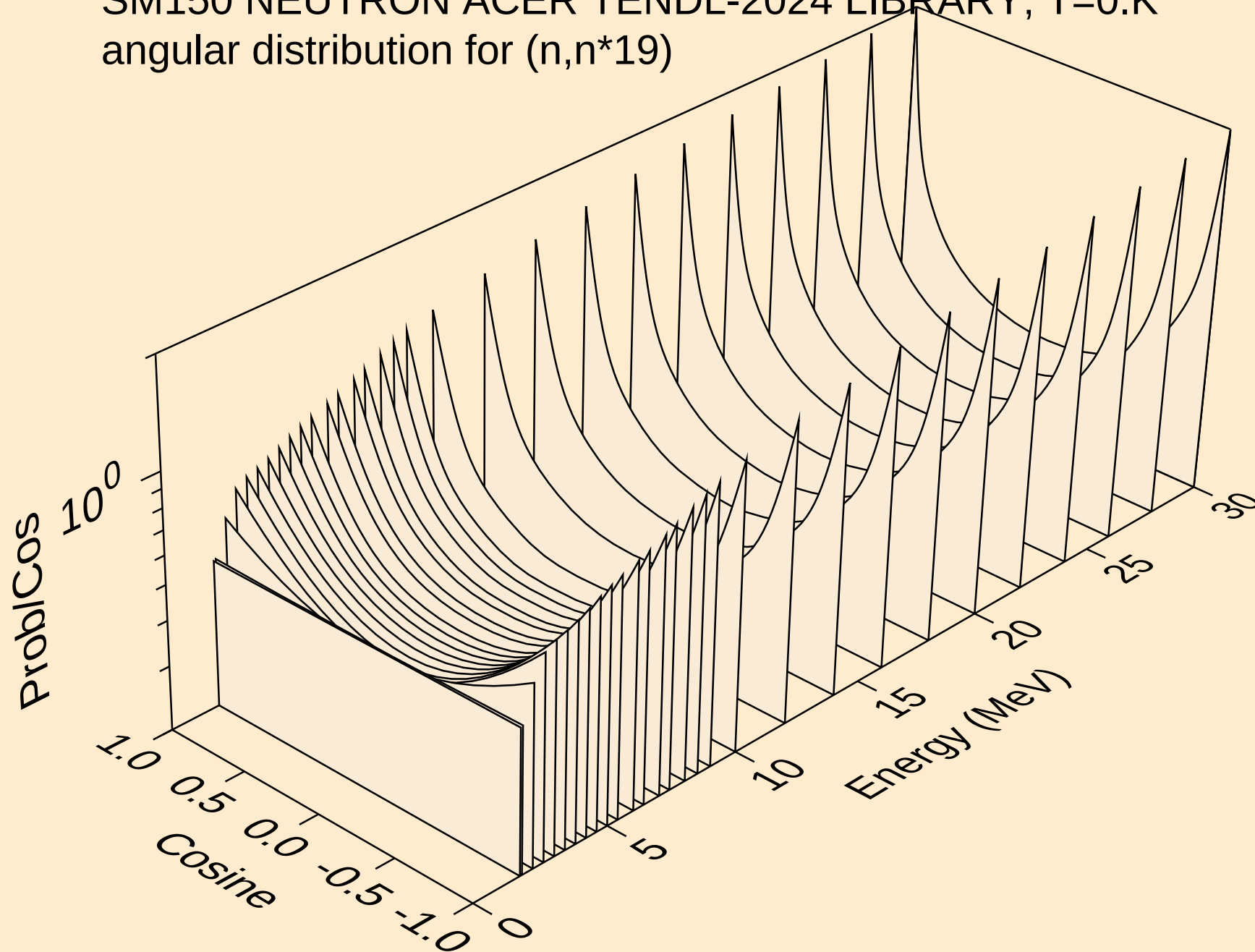
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angular distribution for (n,n\*17)



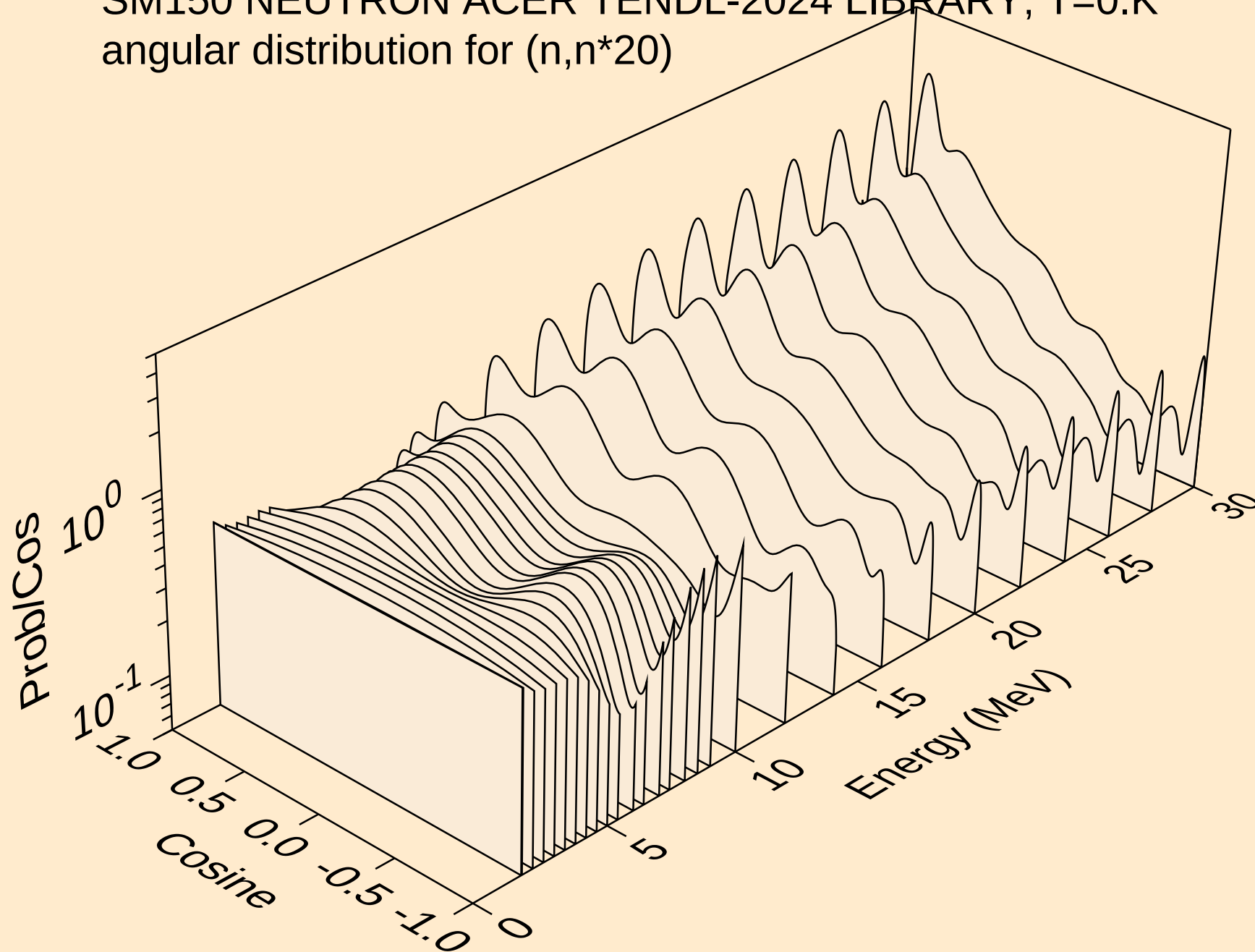
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angular distribution for (n,n\*18)



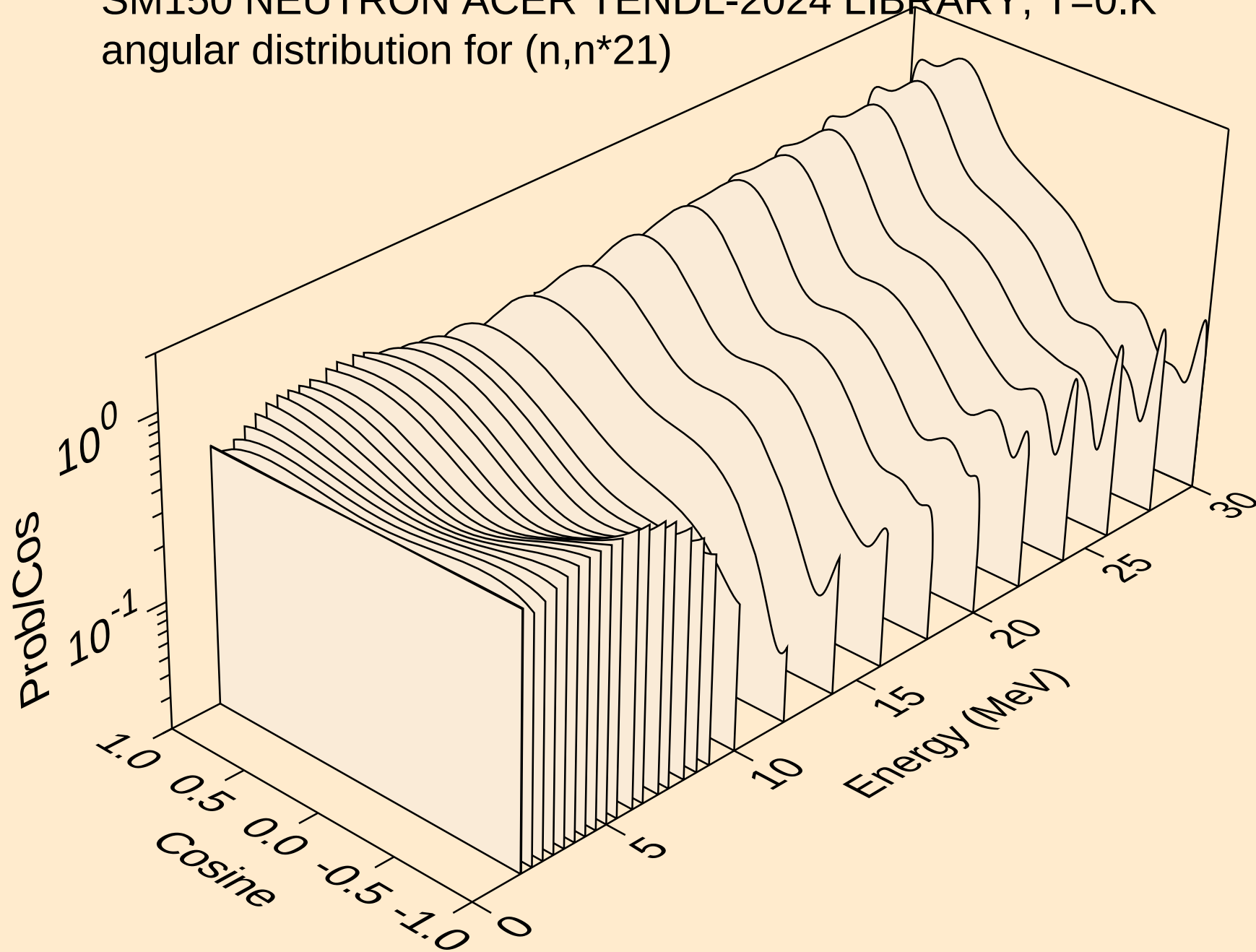
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angular distribution for (n,n\*19)



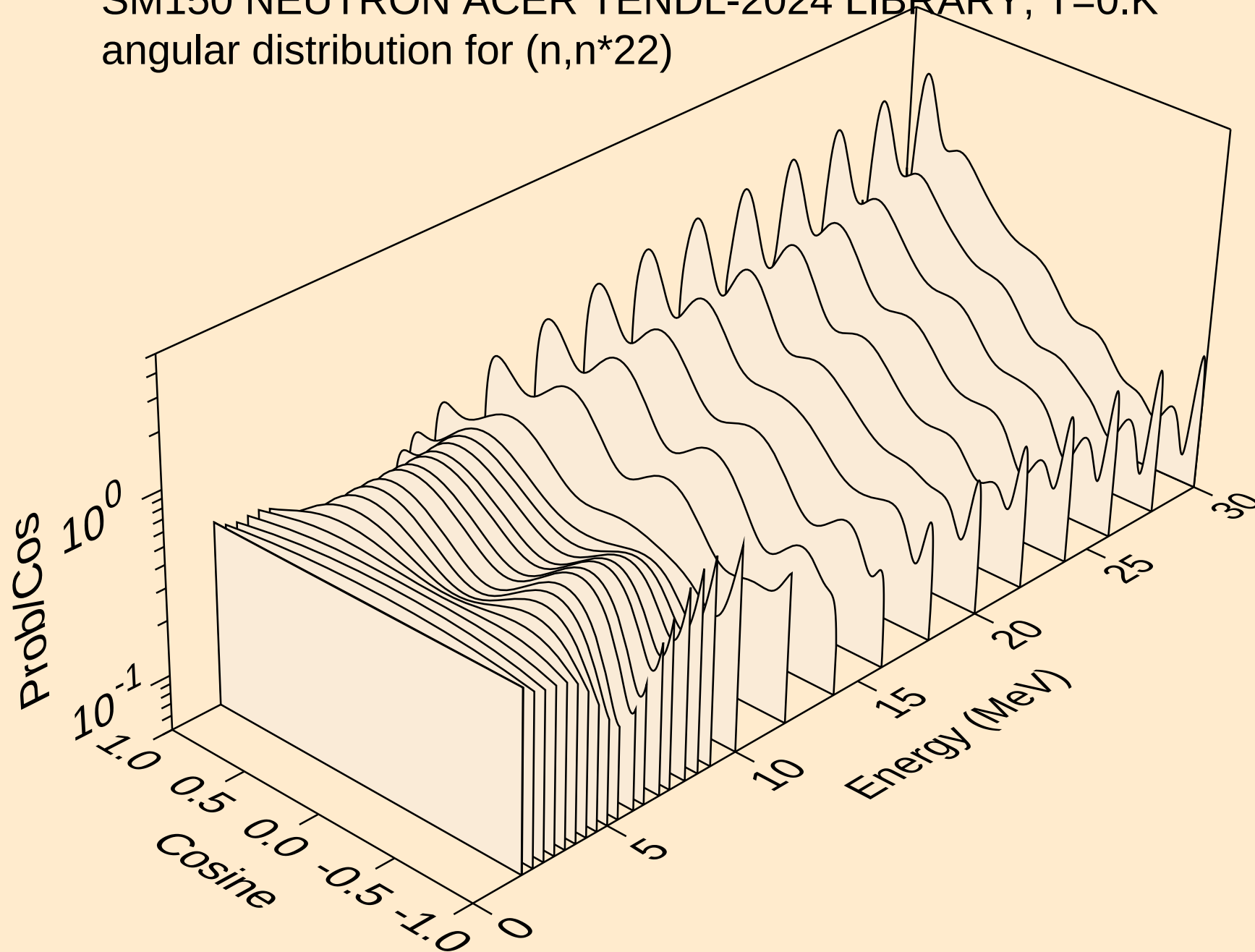
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angular distribution for (n,n\*20)



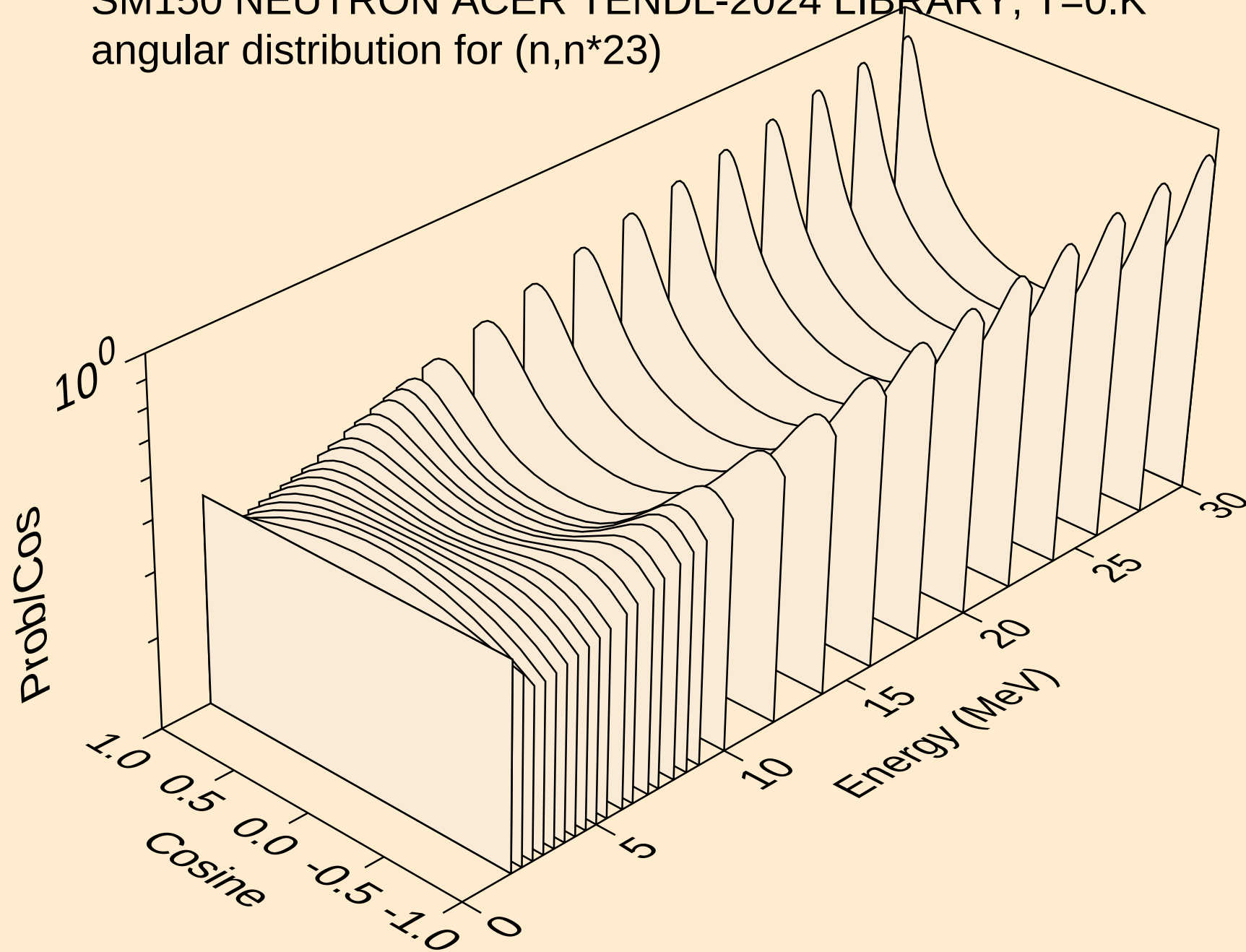
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angular distribution for (n,n\*21)



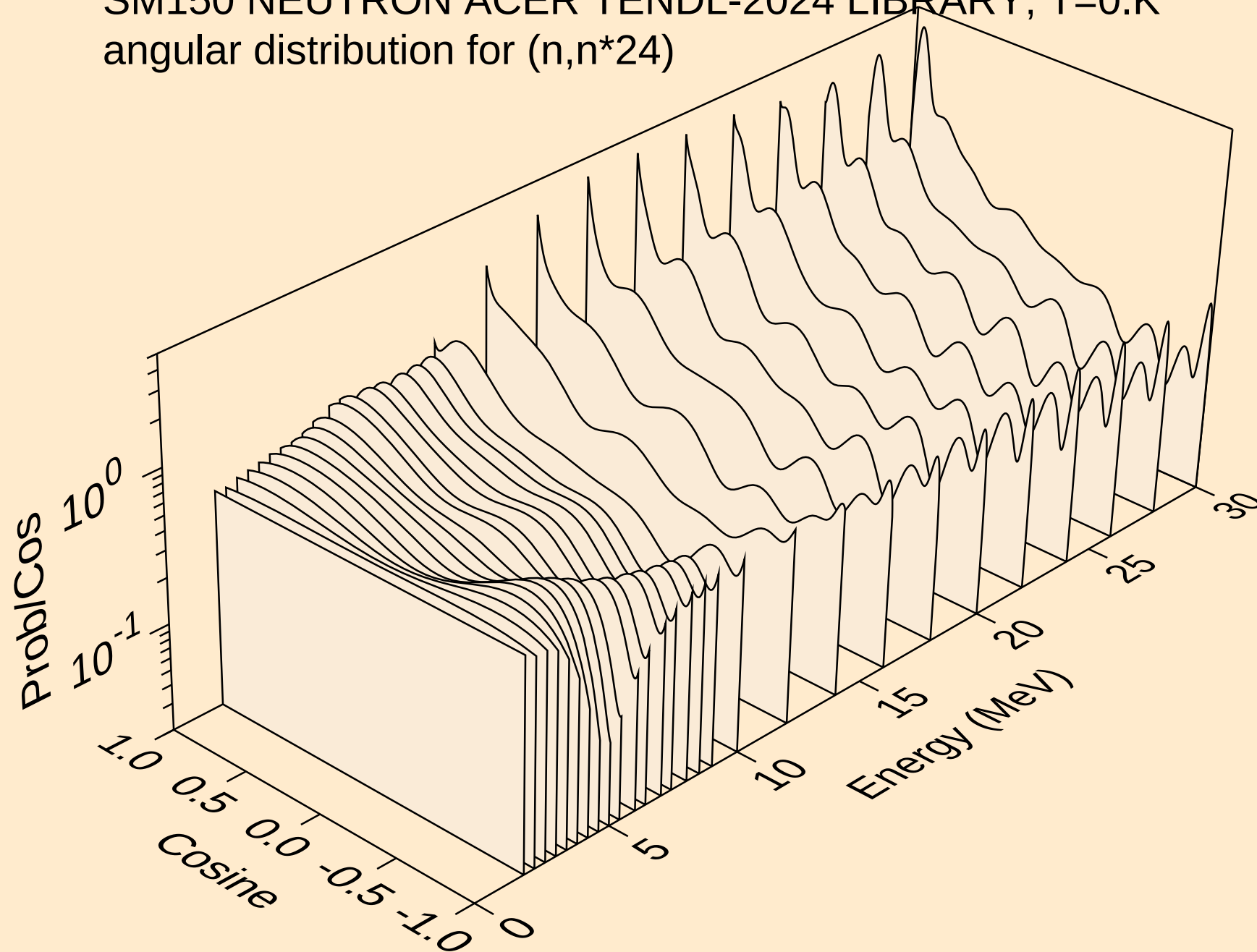
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angular distribution for (n,n\*22)



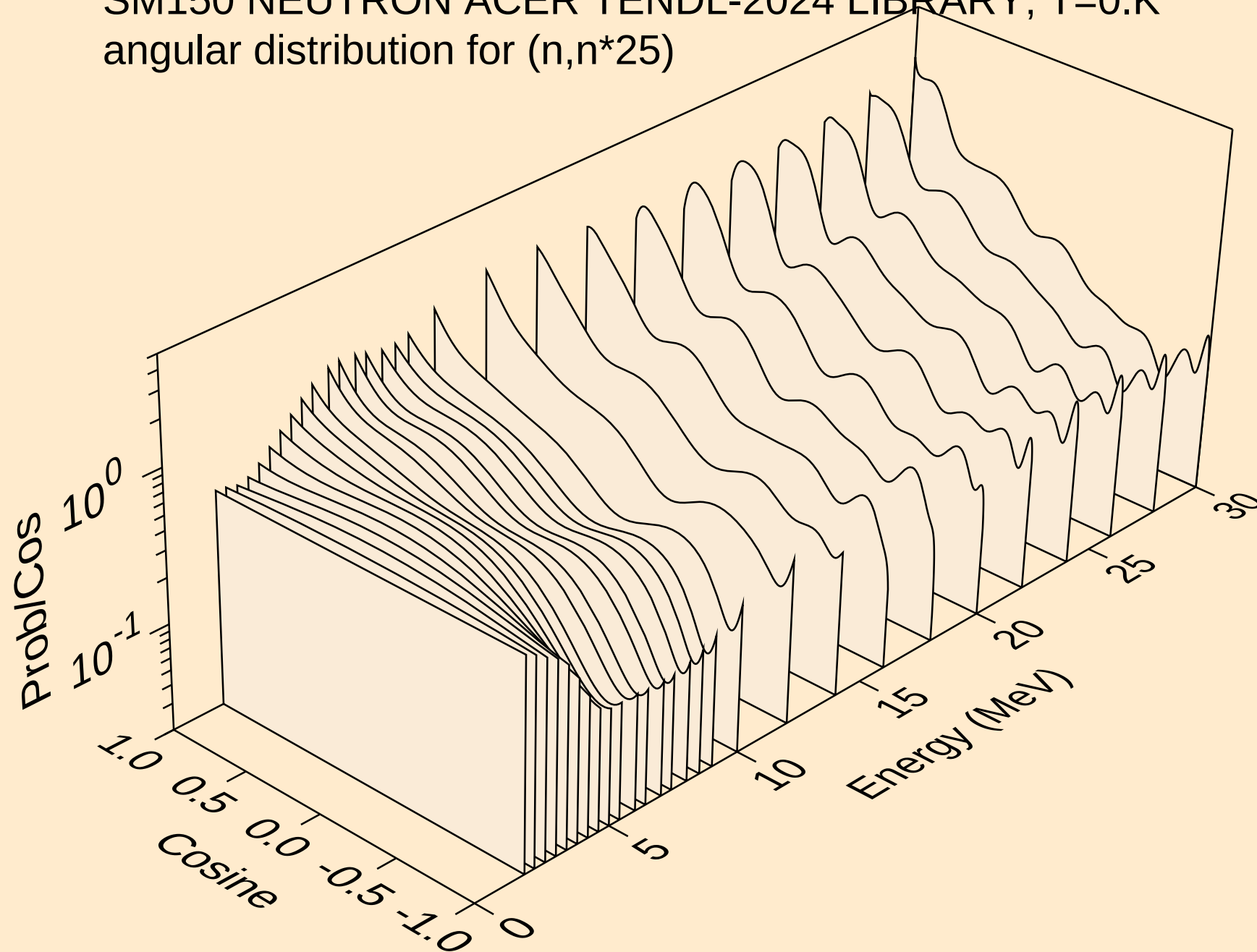
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



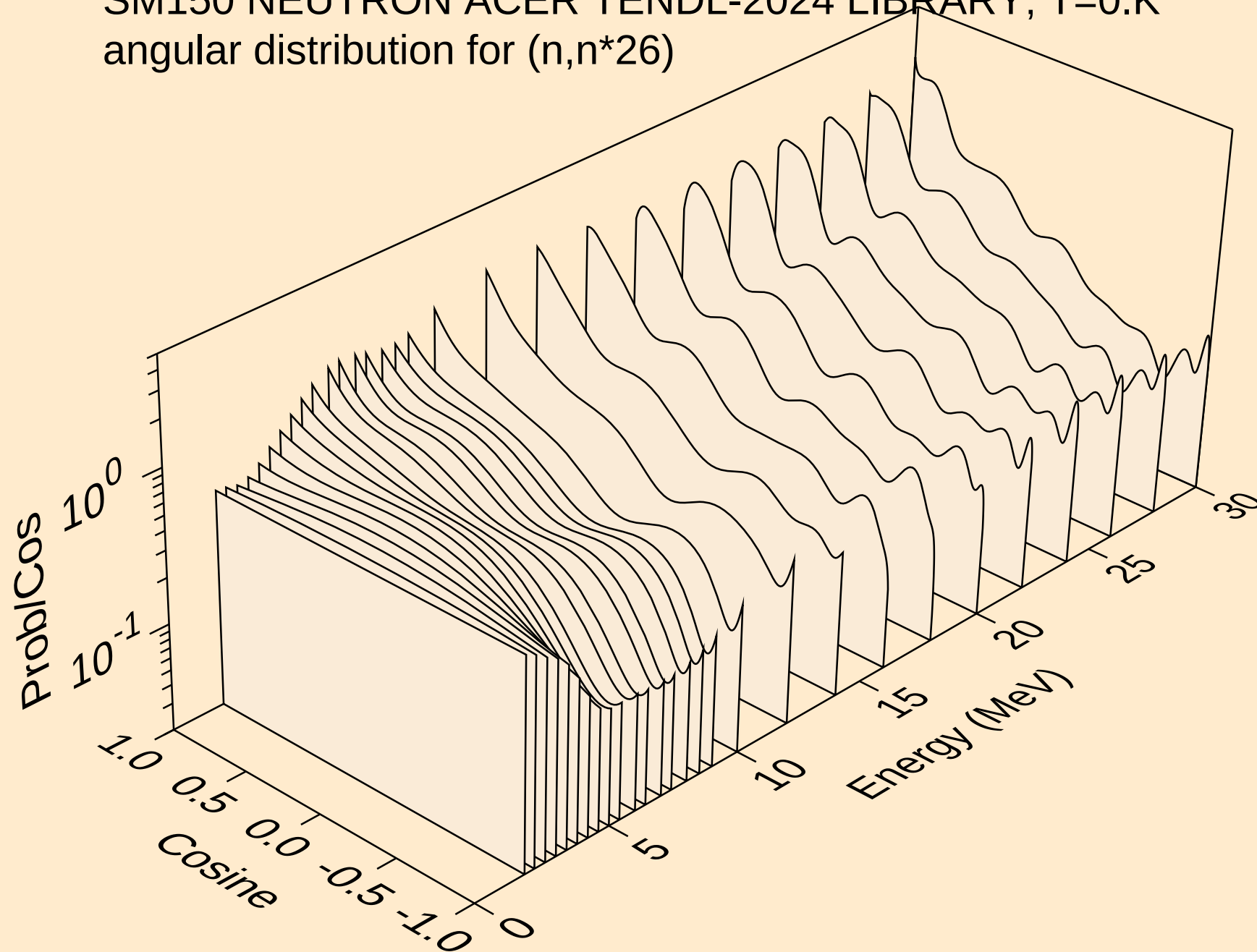
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



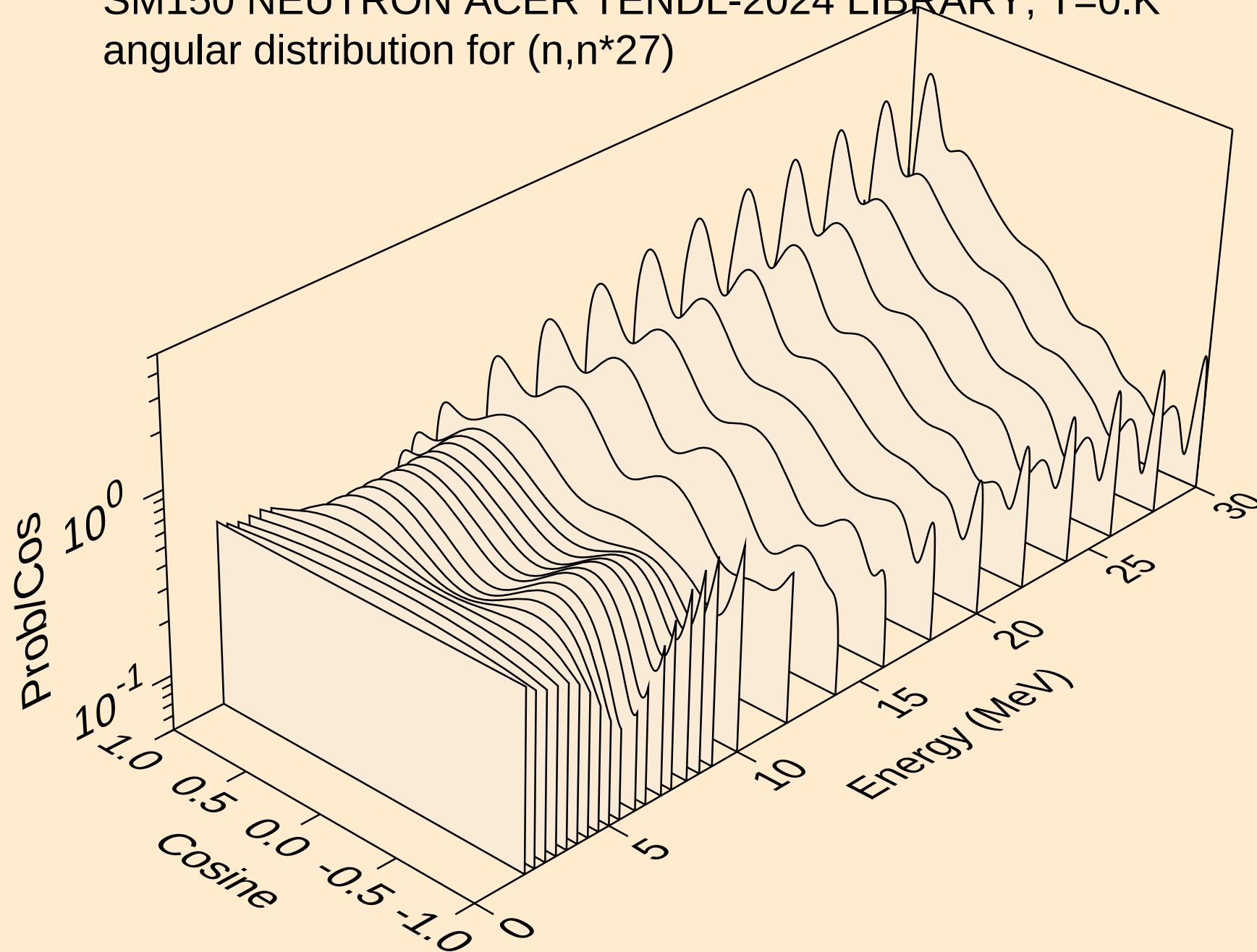
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



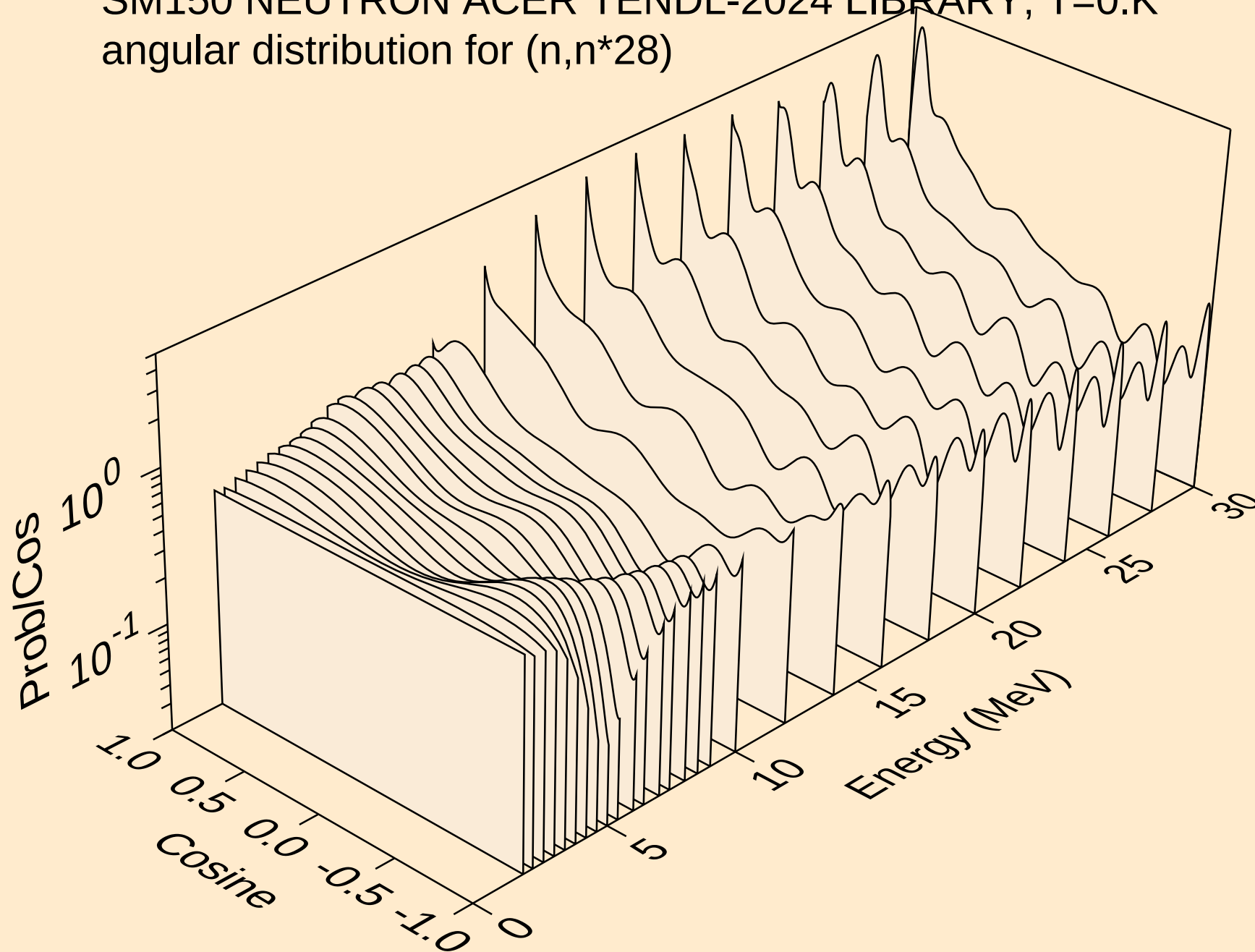
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



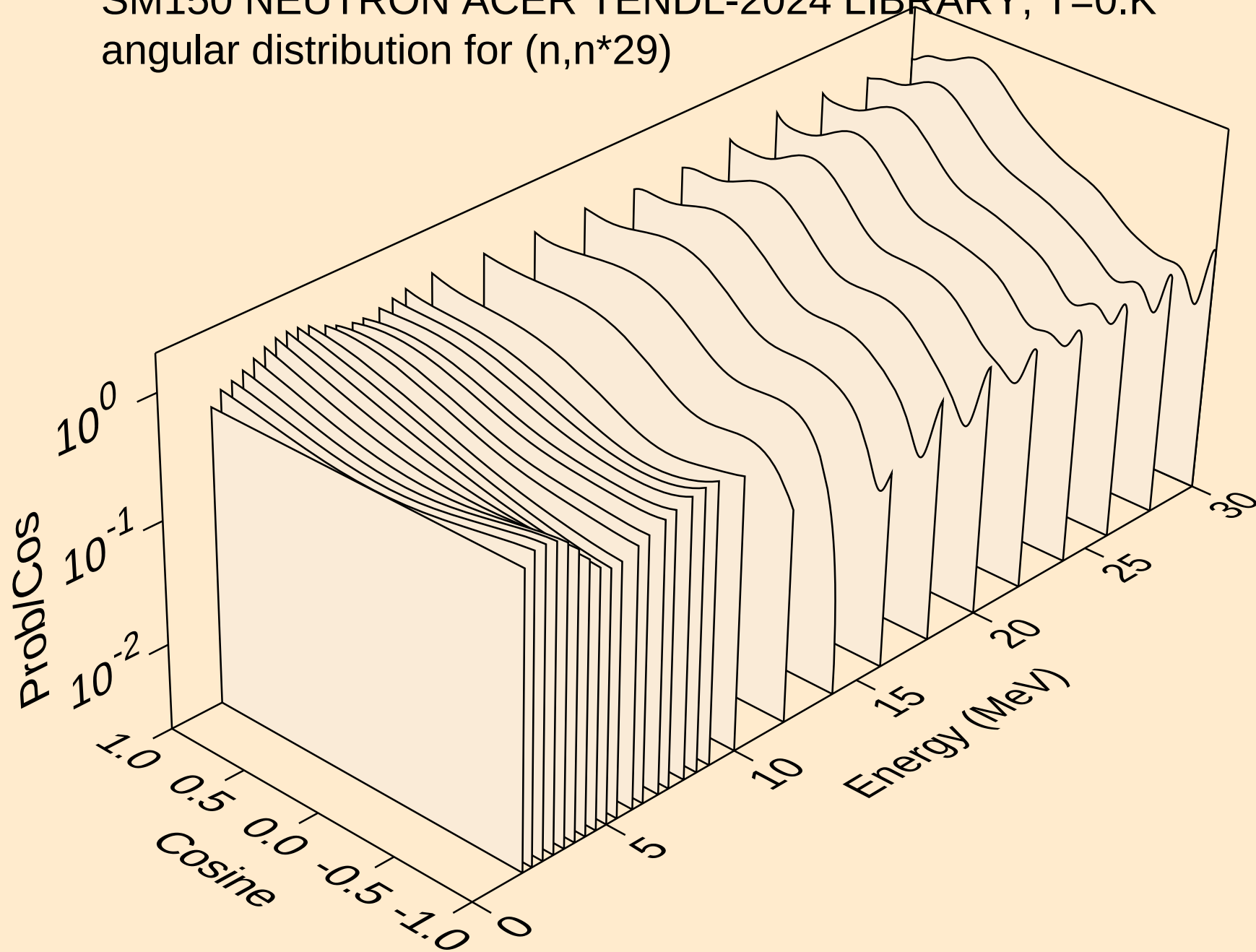
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



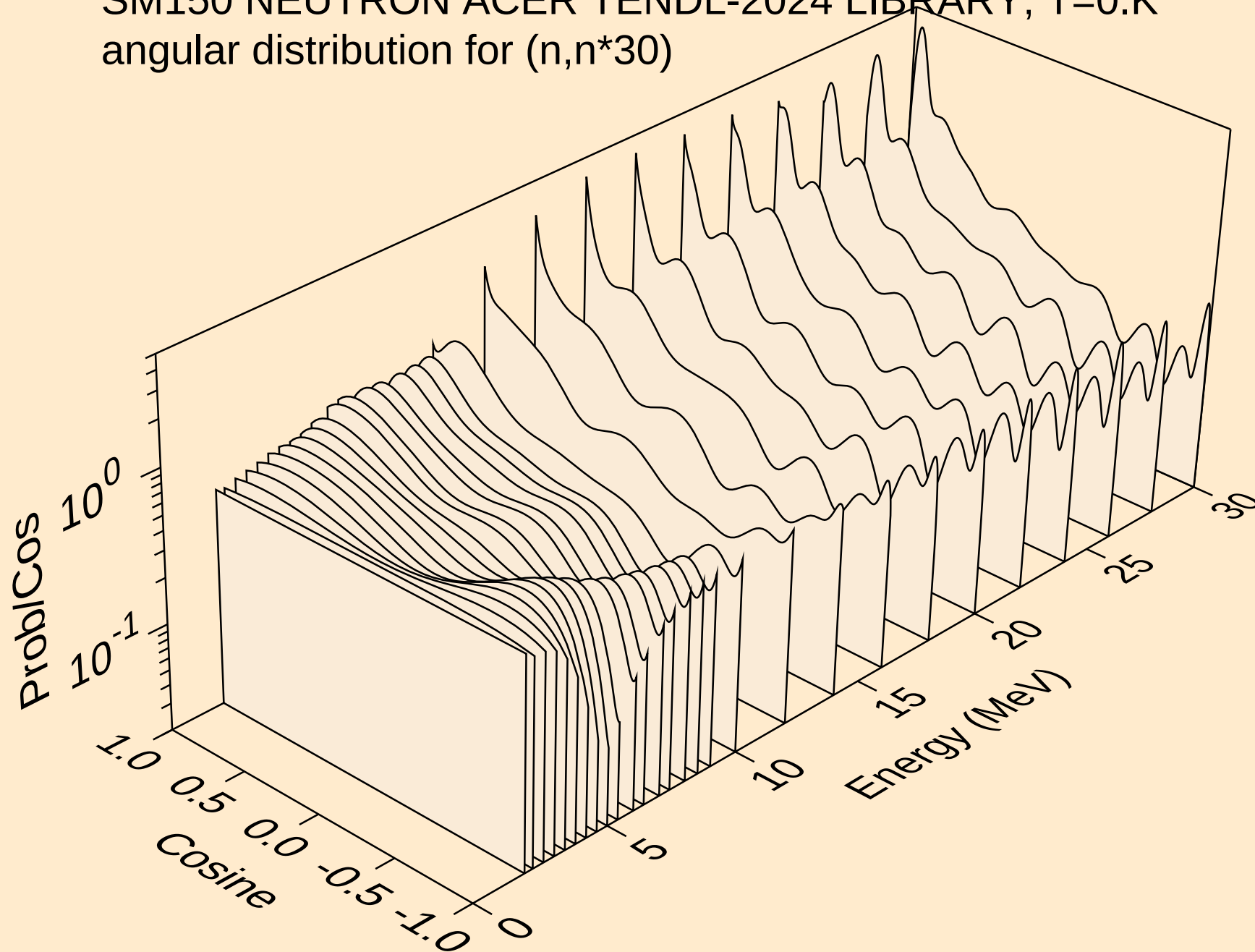
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



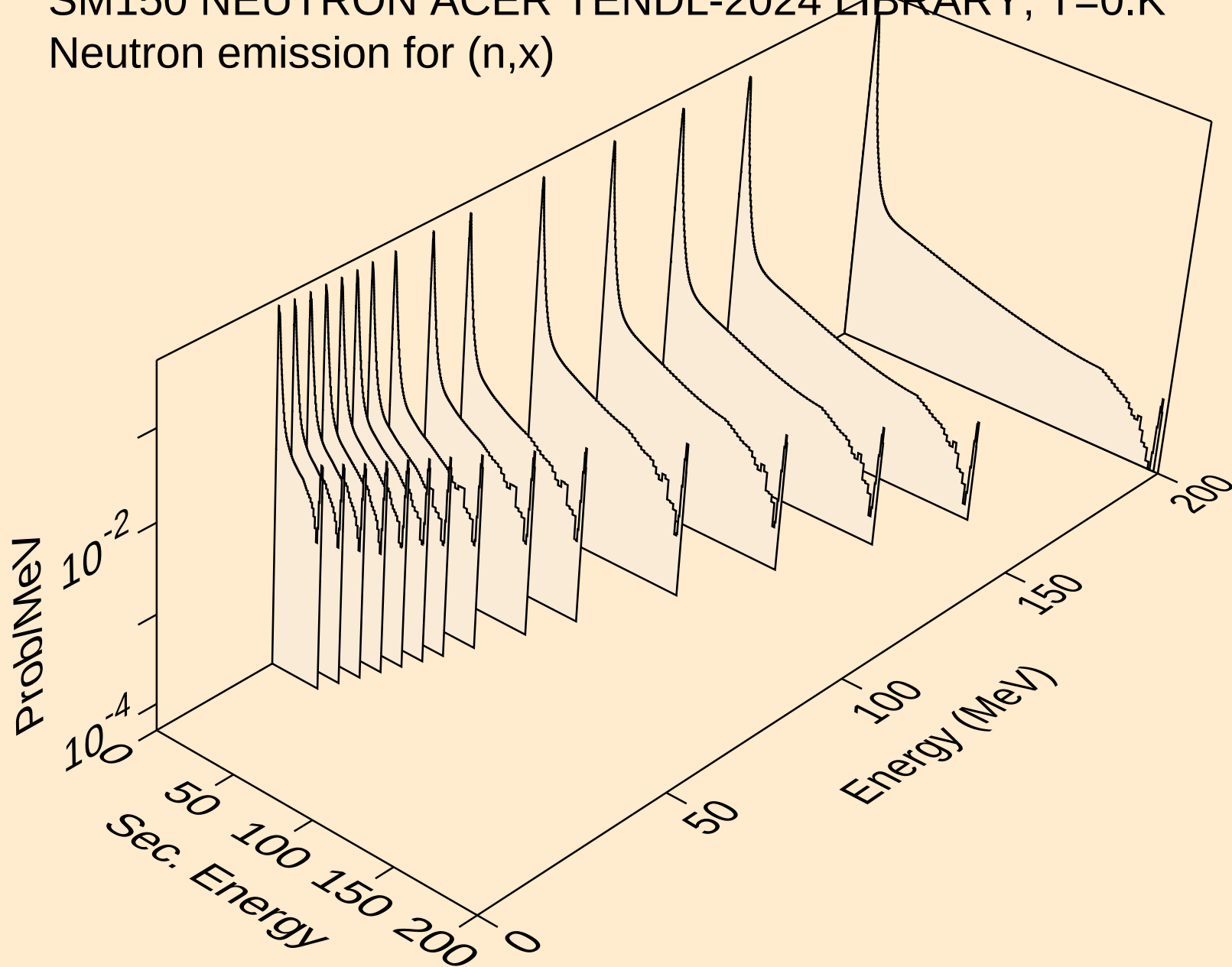
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



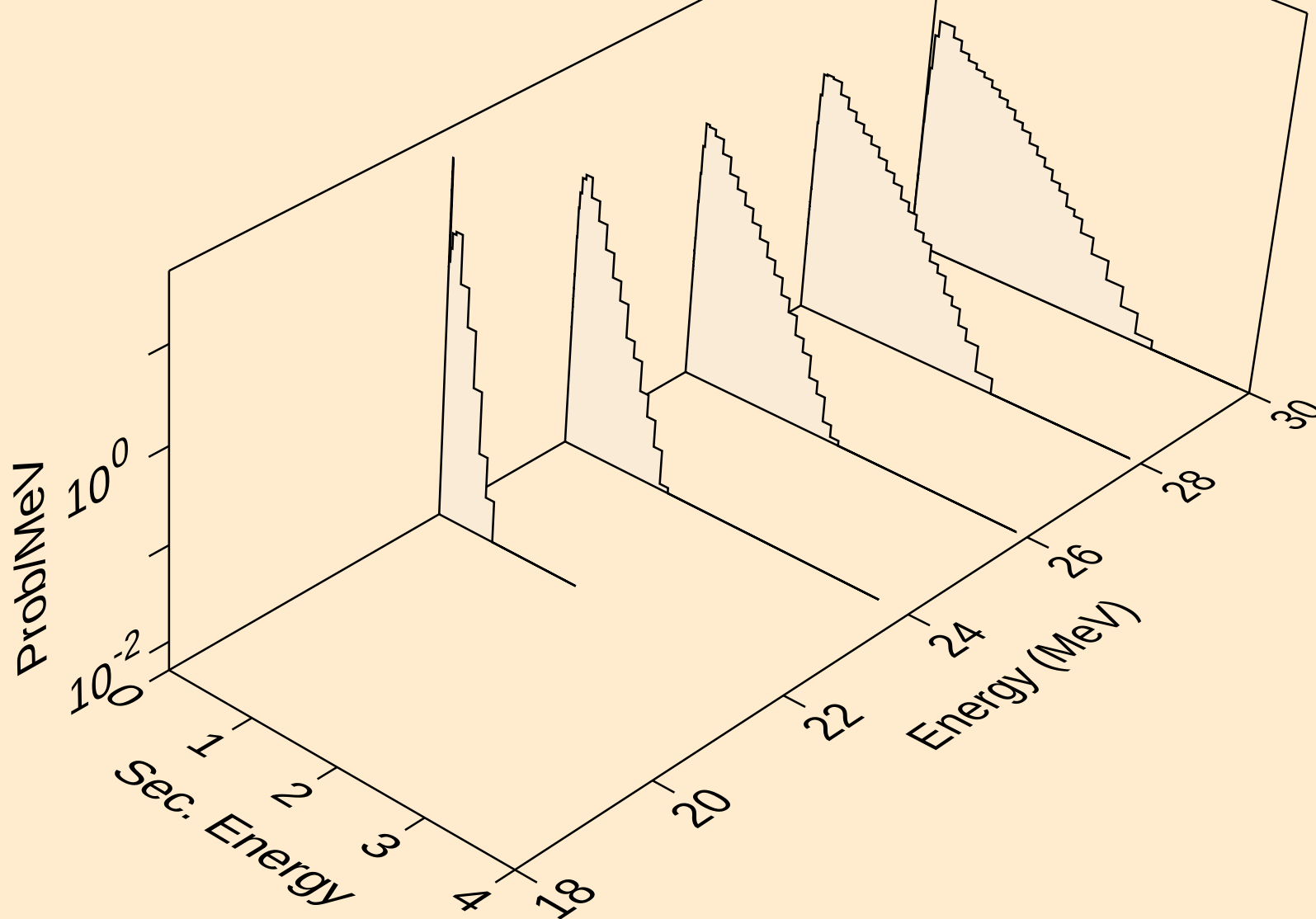
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



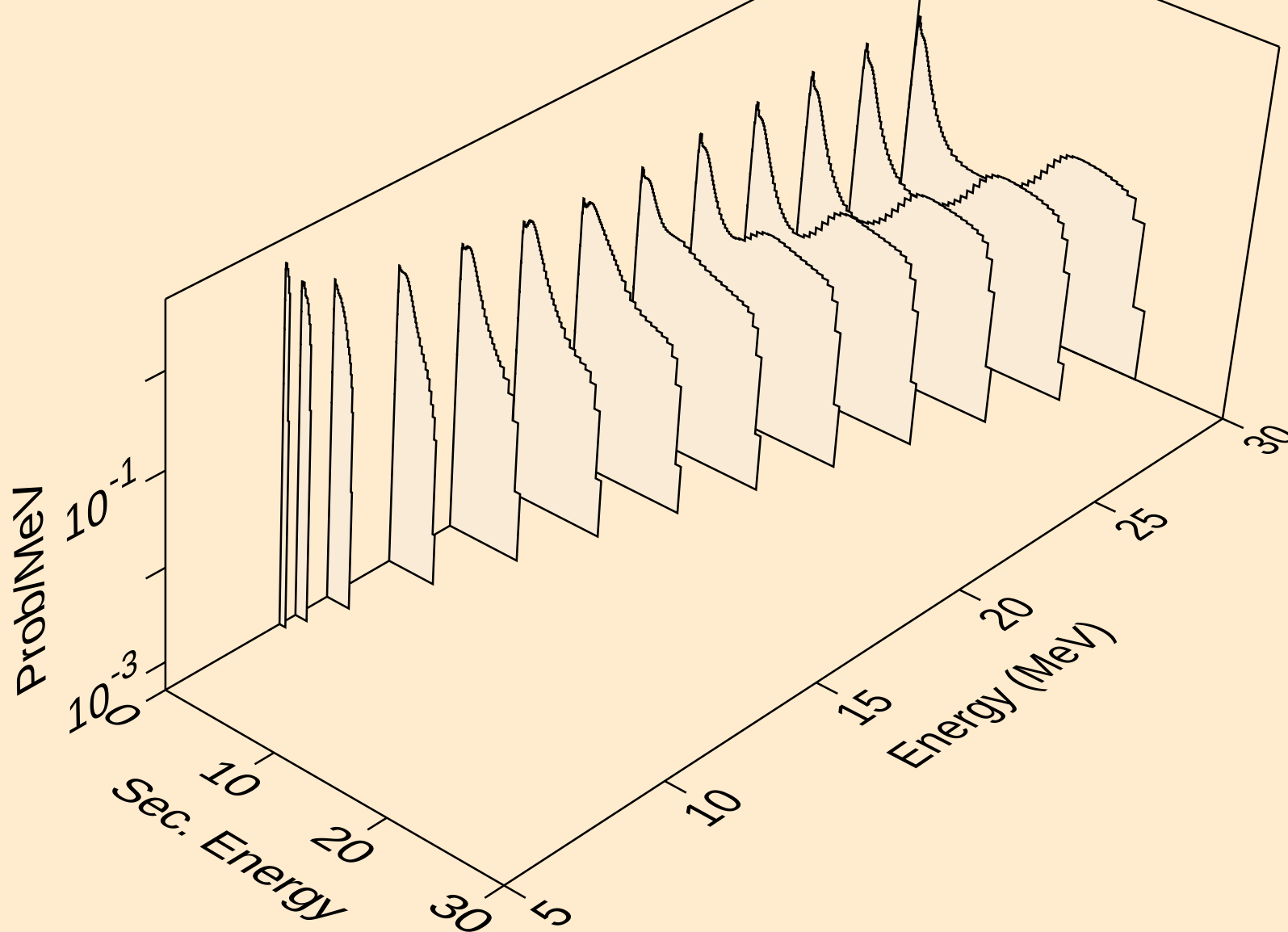
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



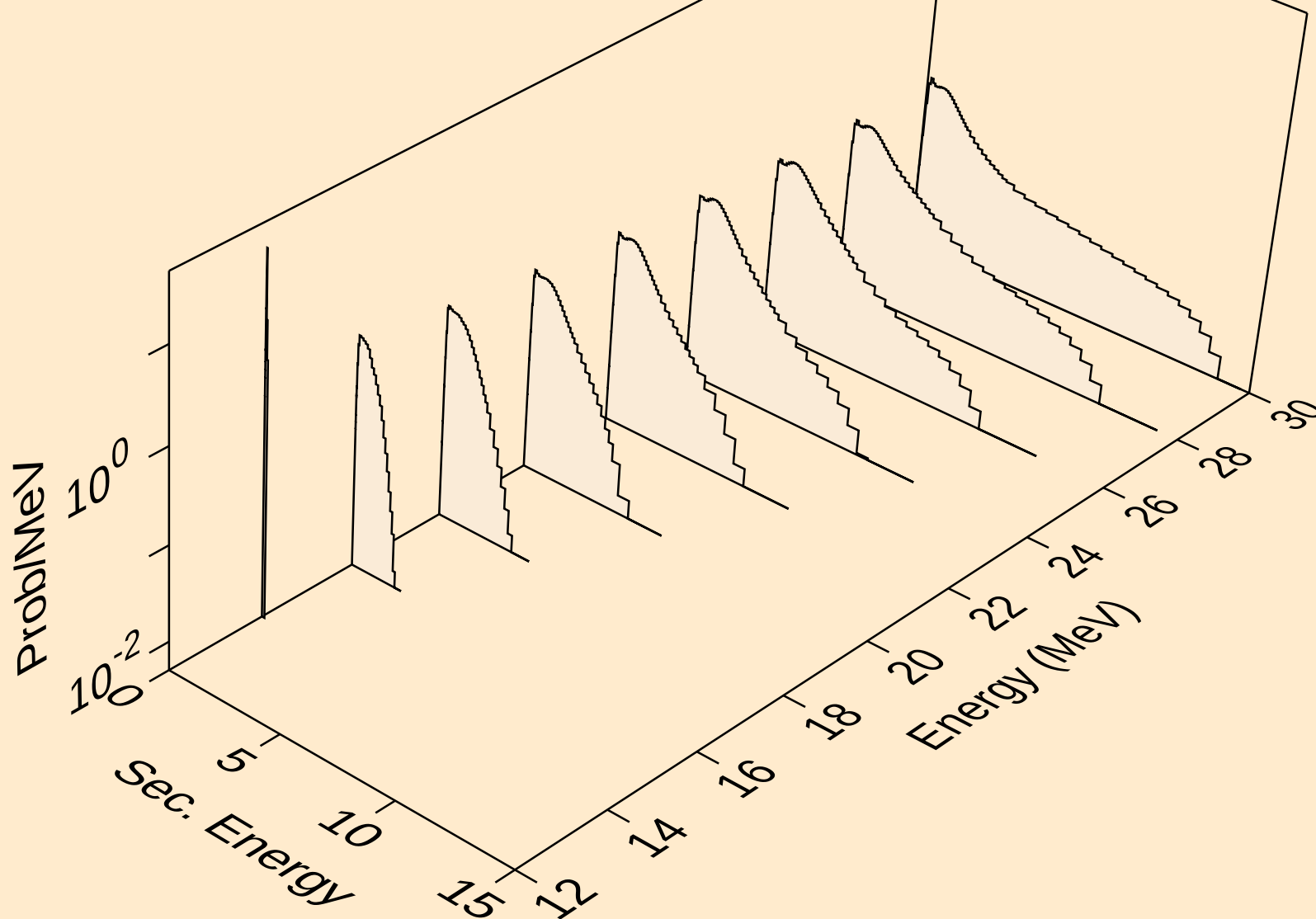
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



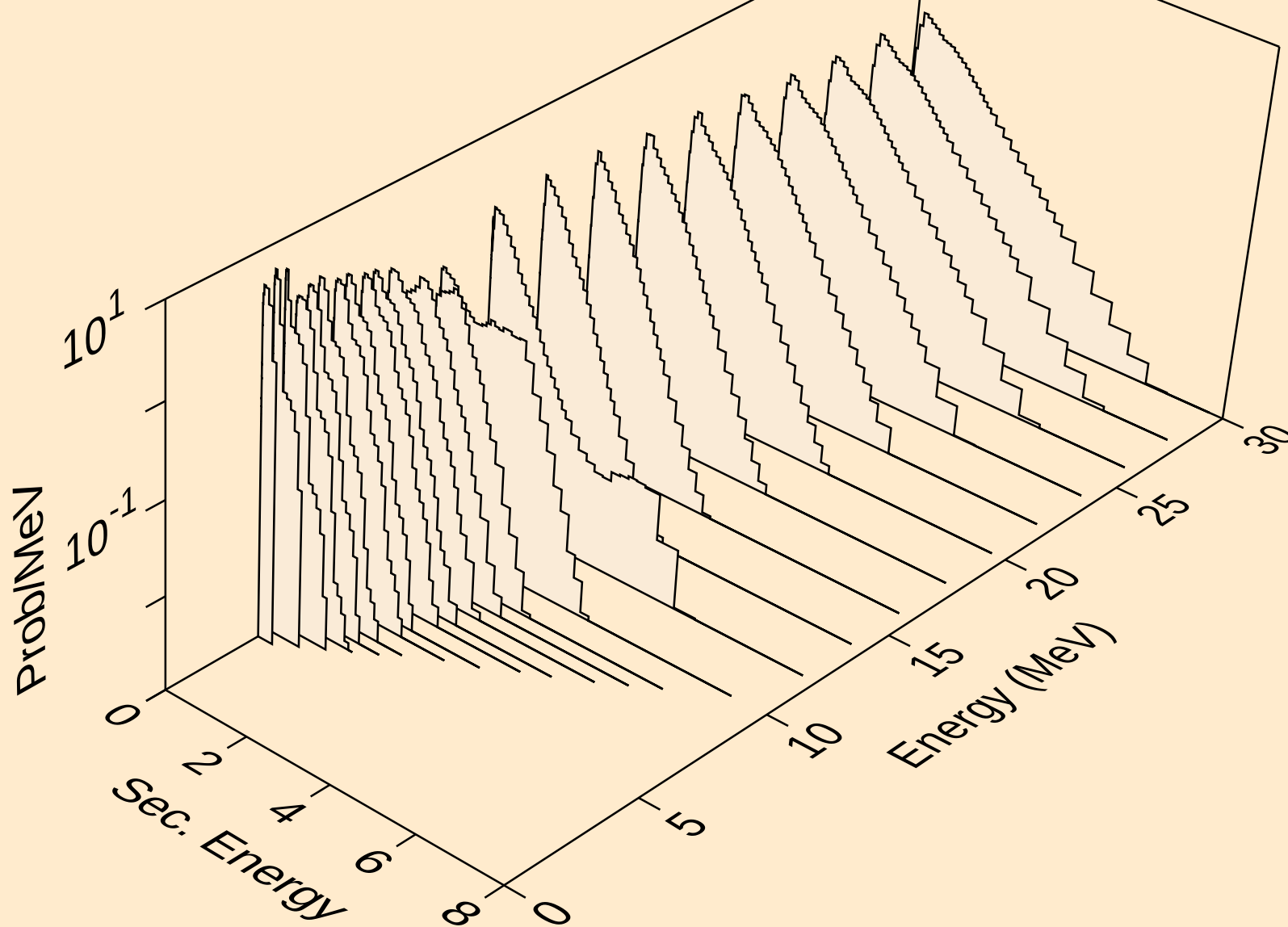
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



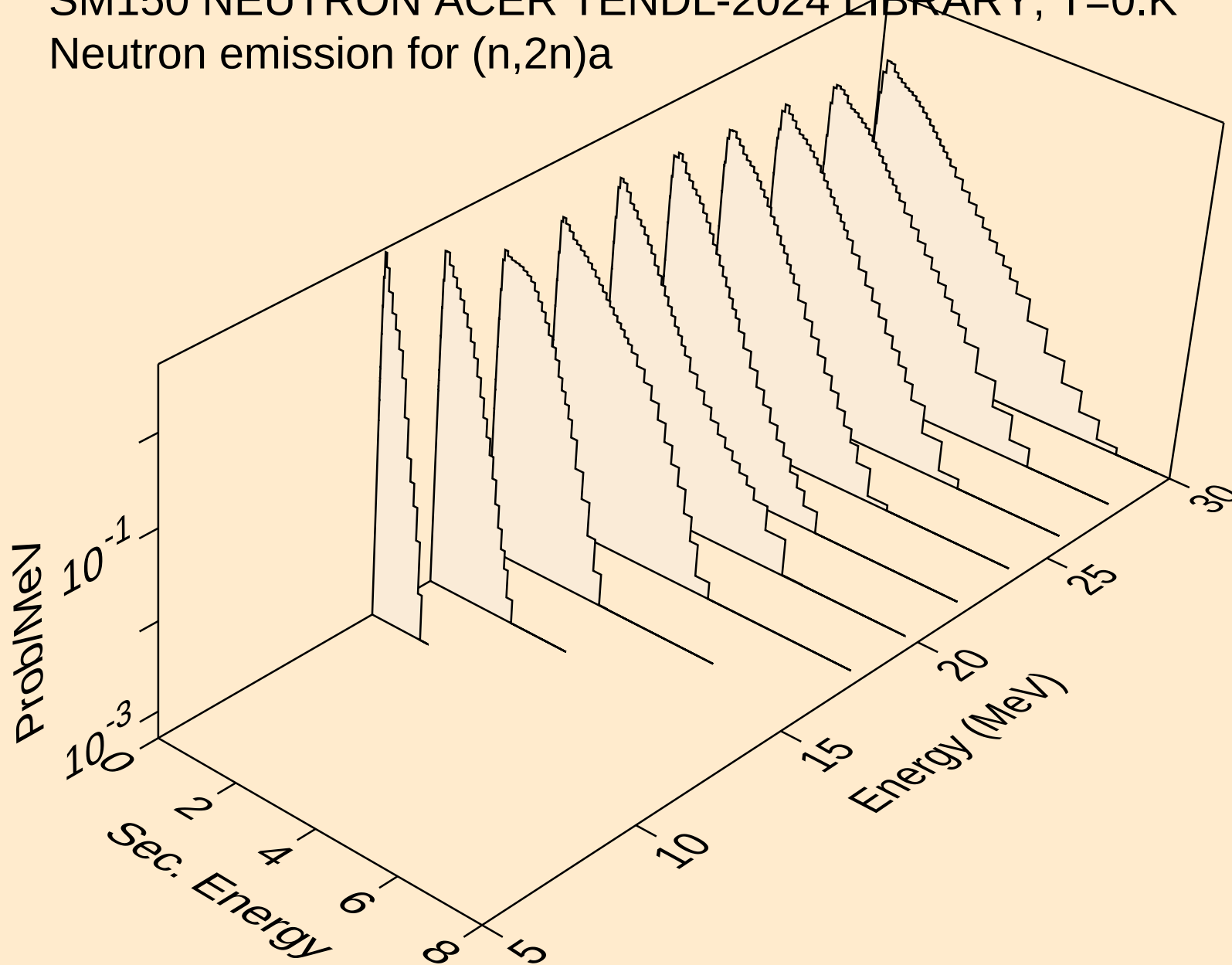
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



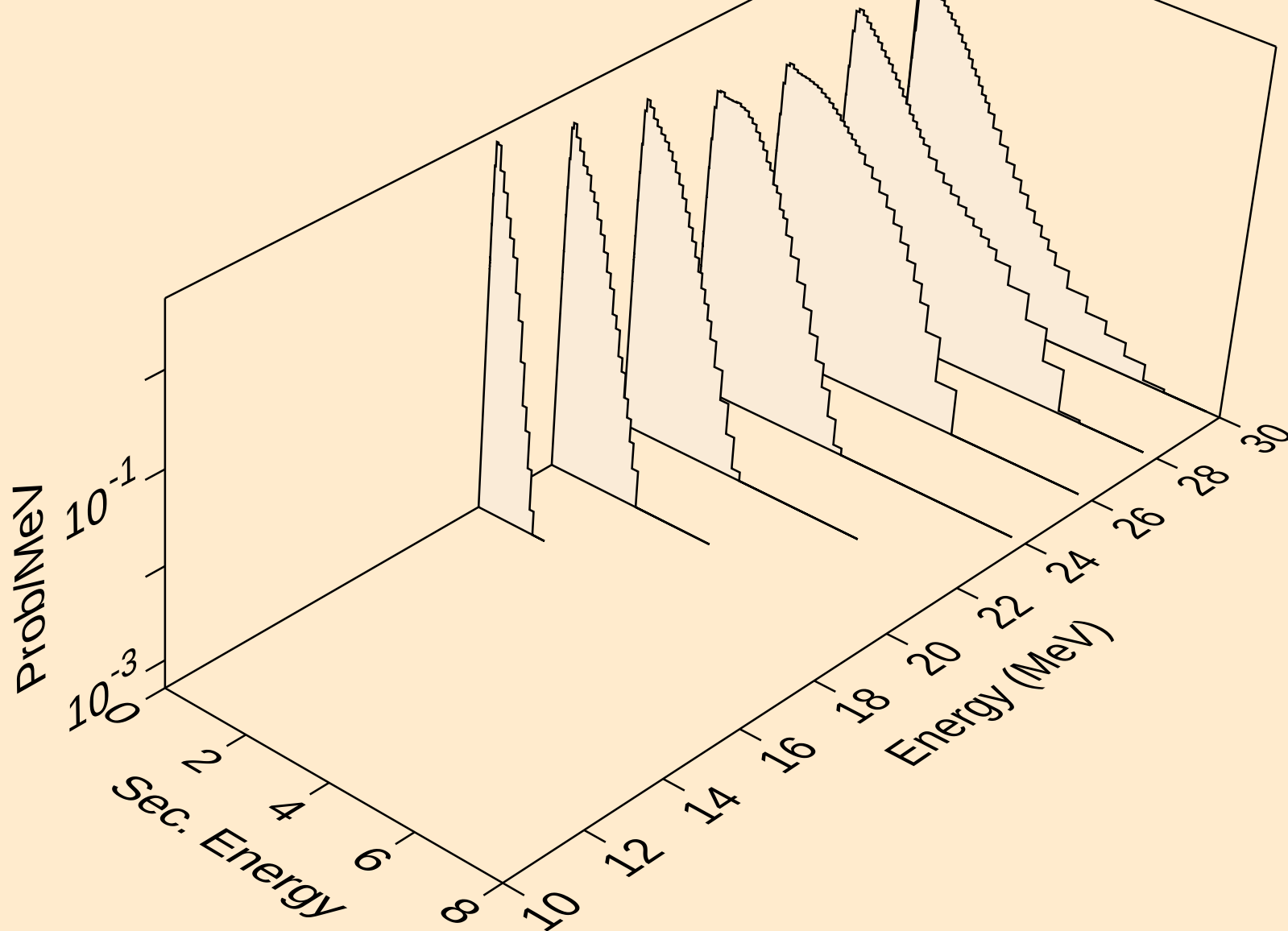
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



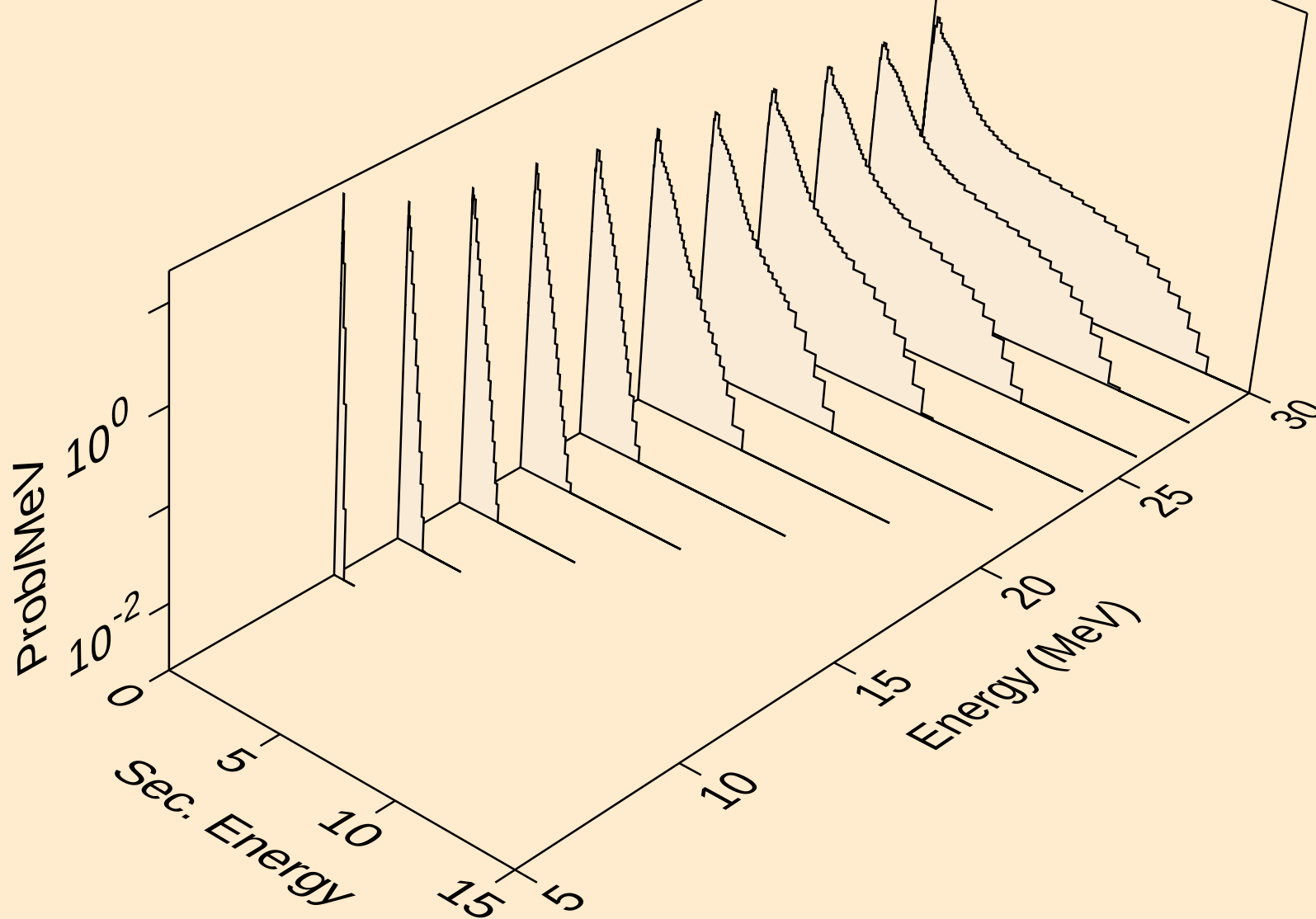
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



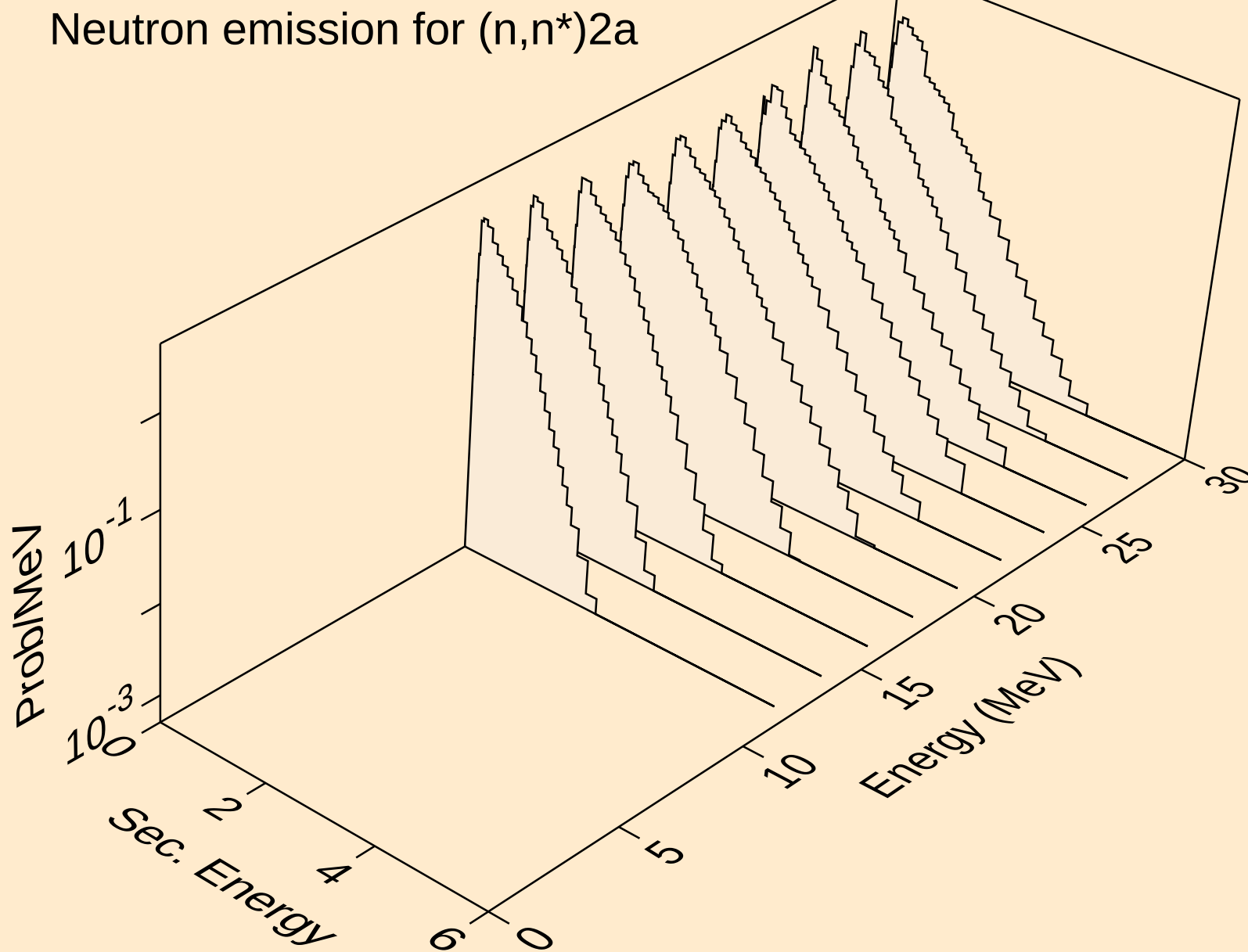
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



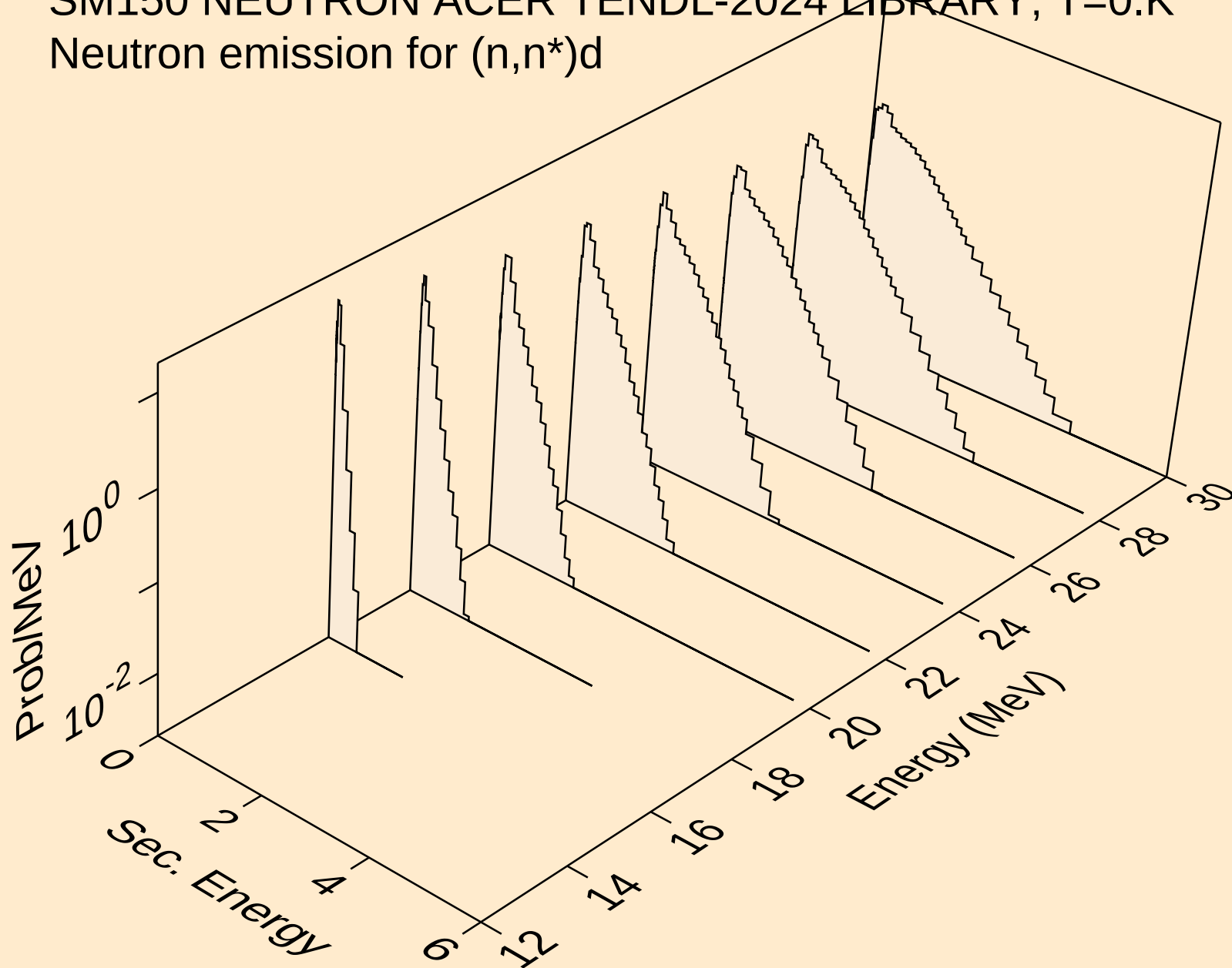
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



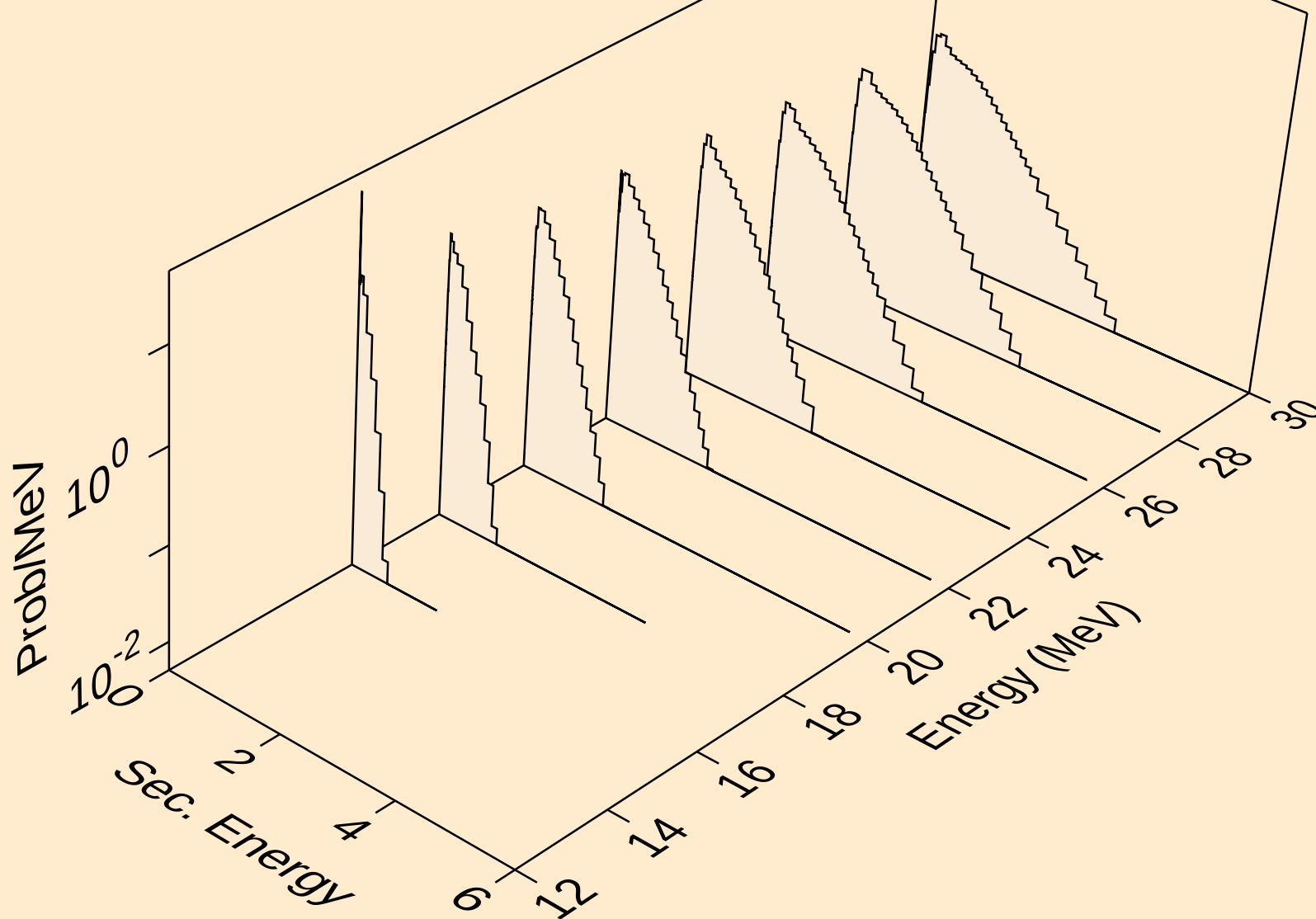
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Neutron emission for (n,n\*)2a



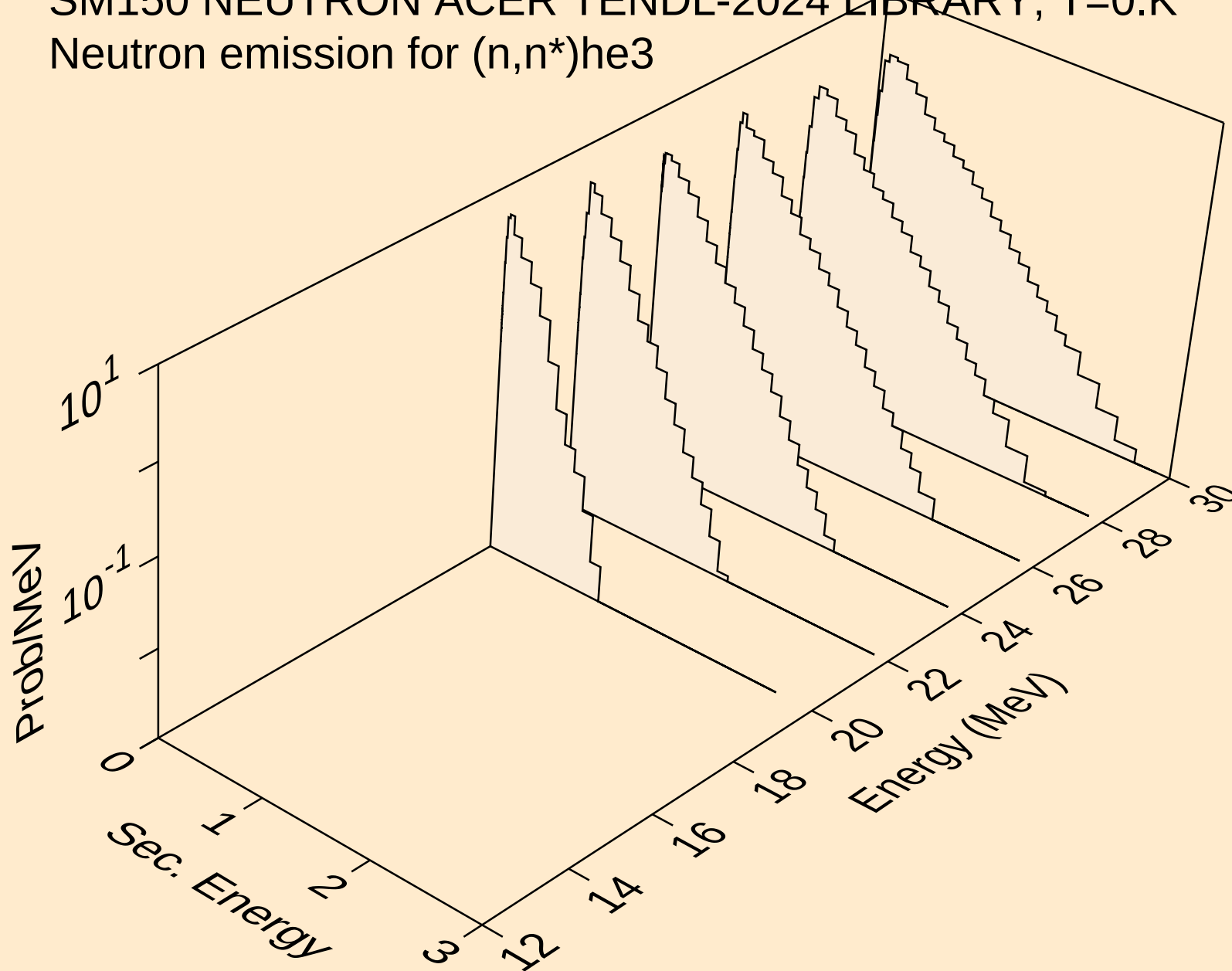
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



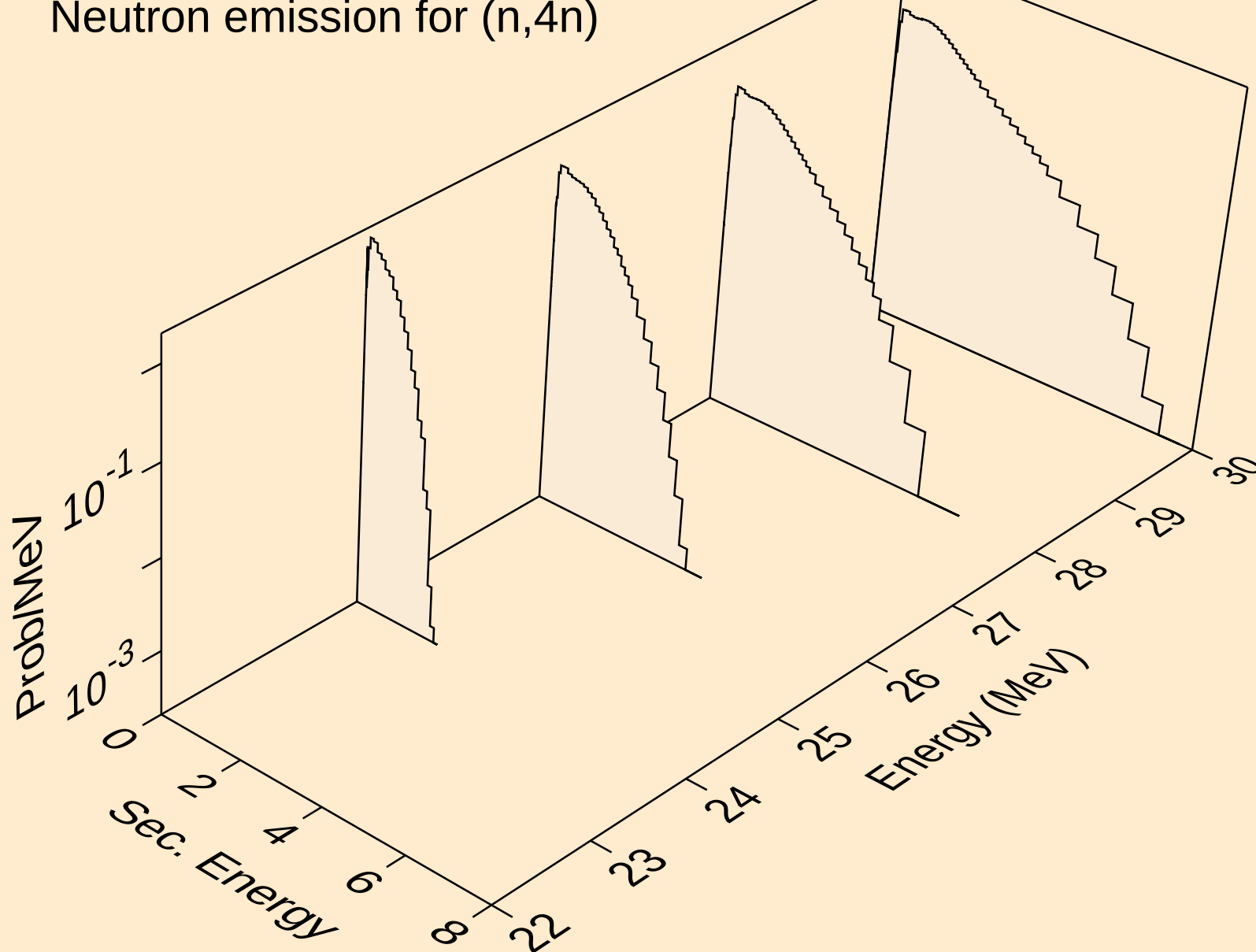
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Neutron emission for (n,n\*)t



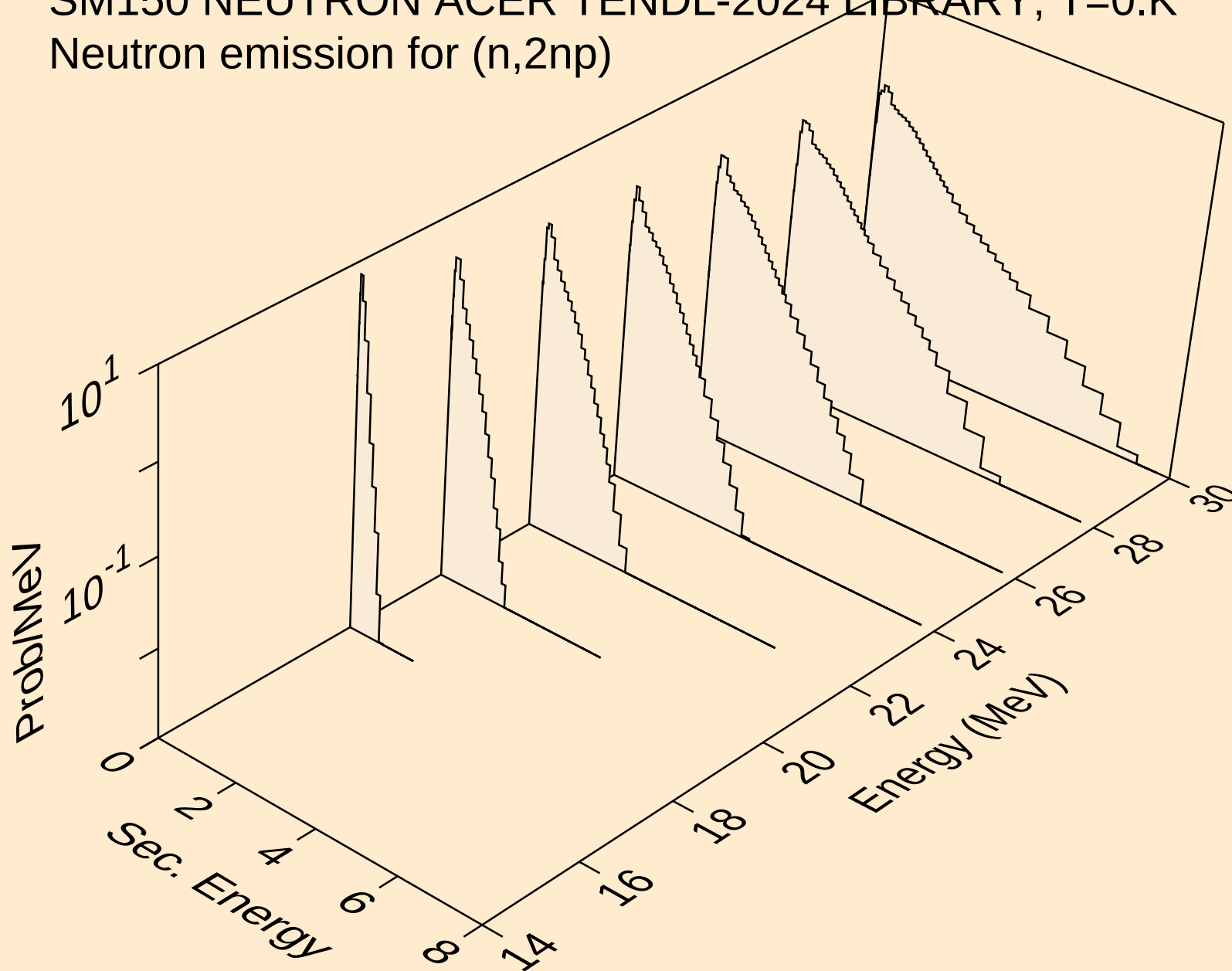
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



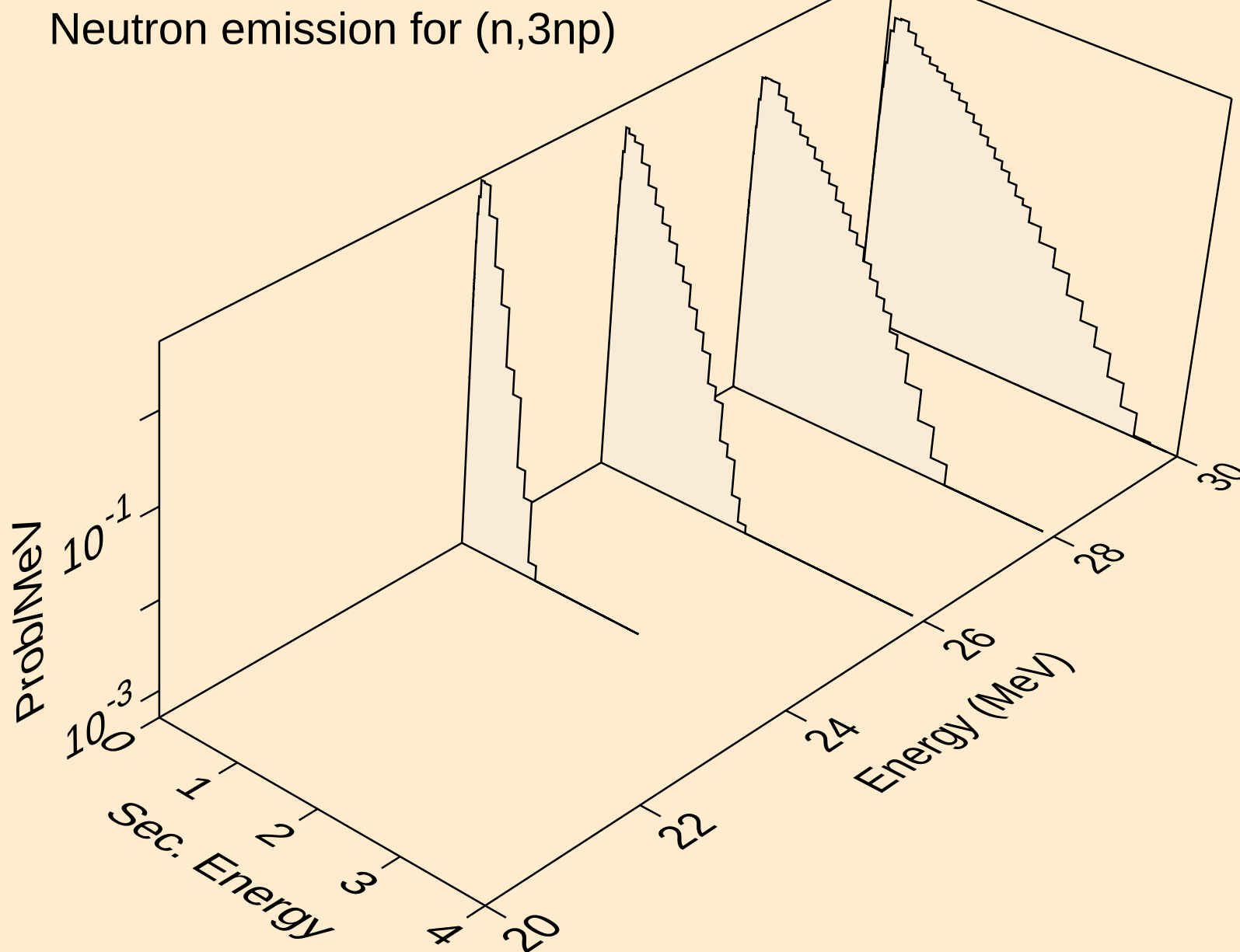
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



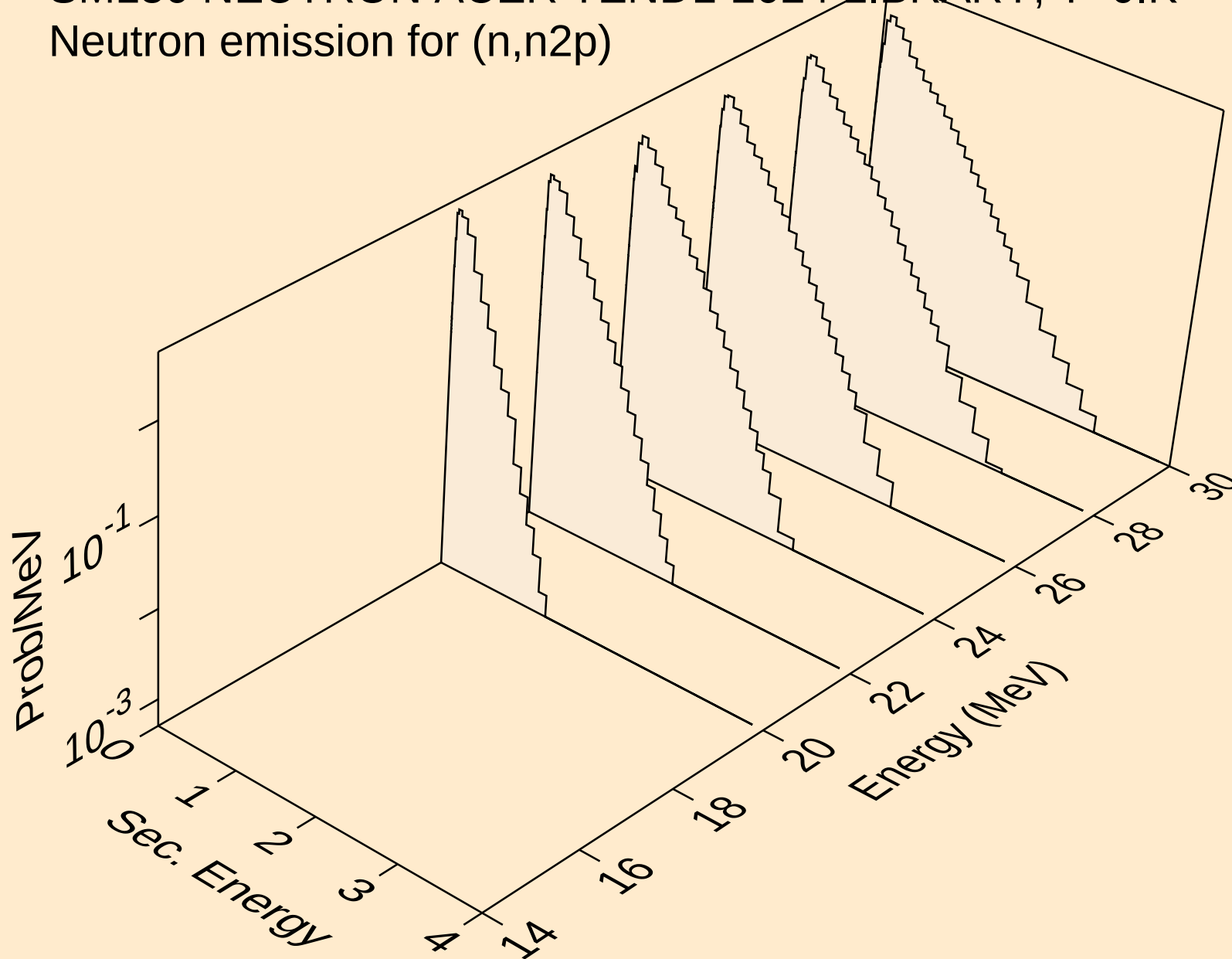
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



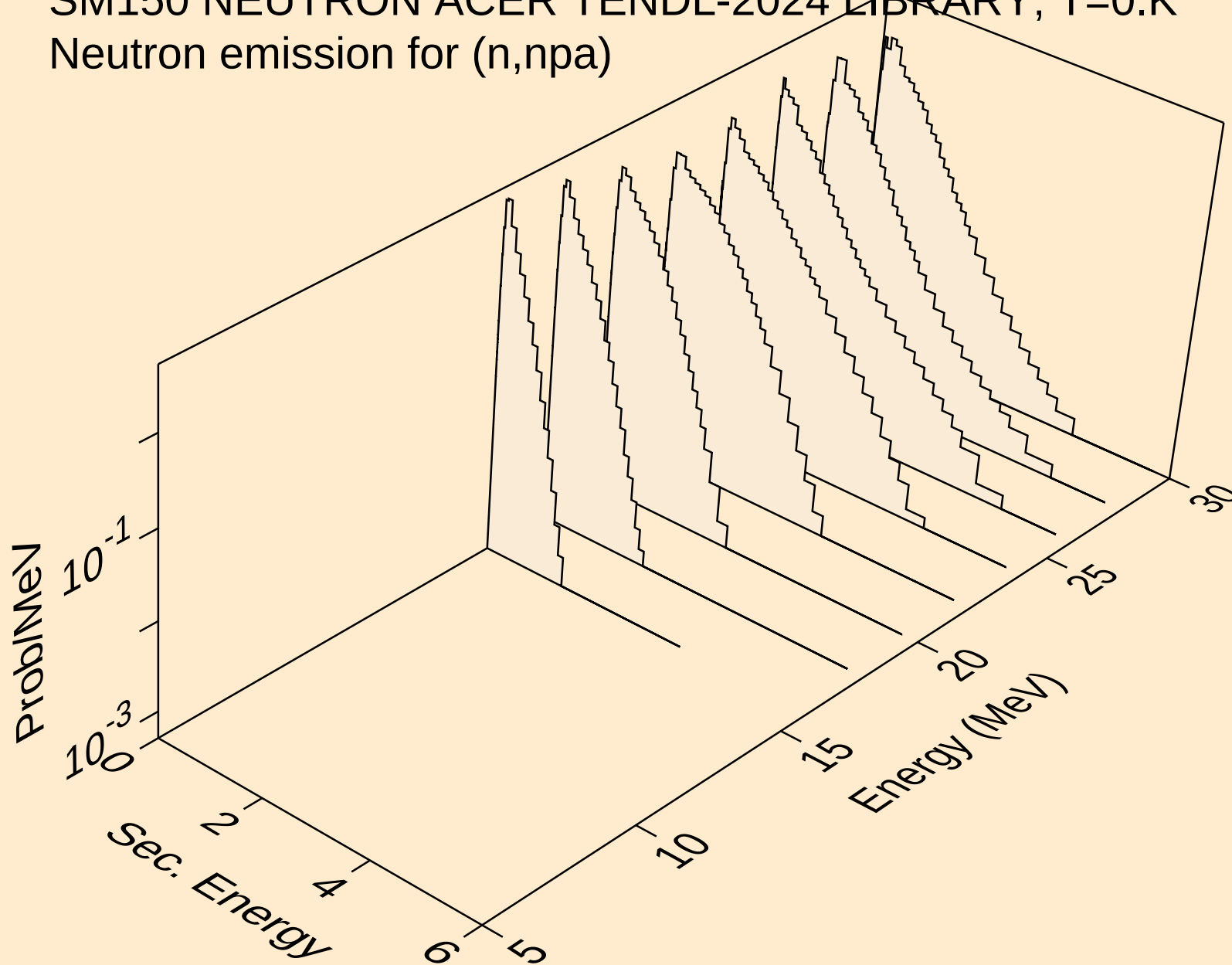
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Neutron emission for (n,3np)



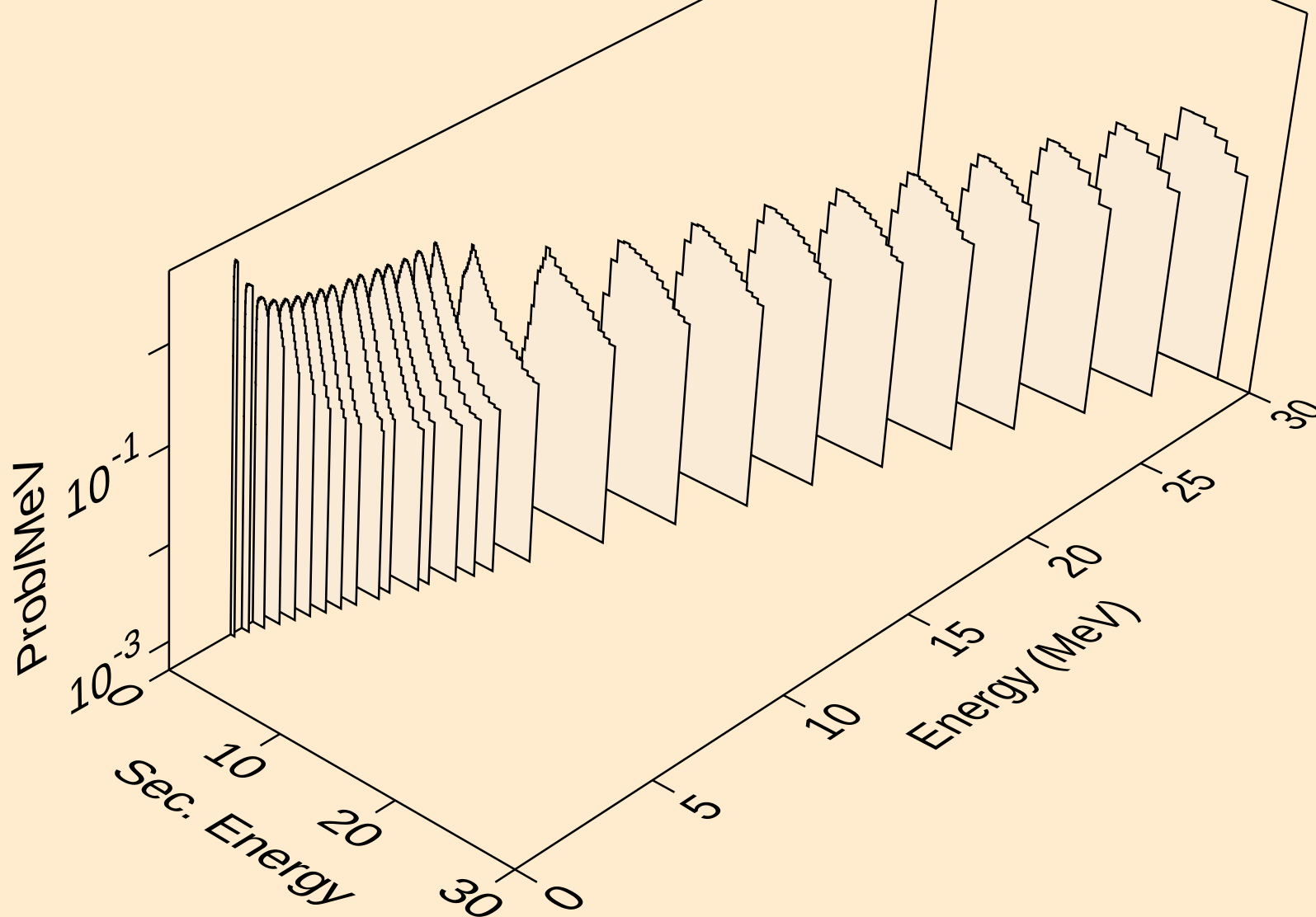
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



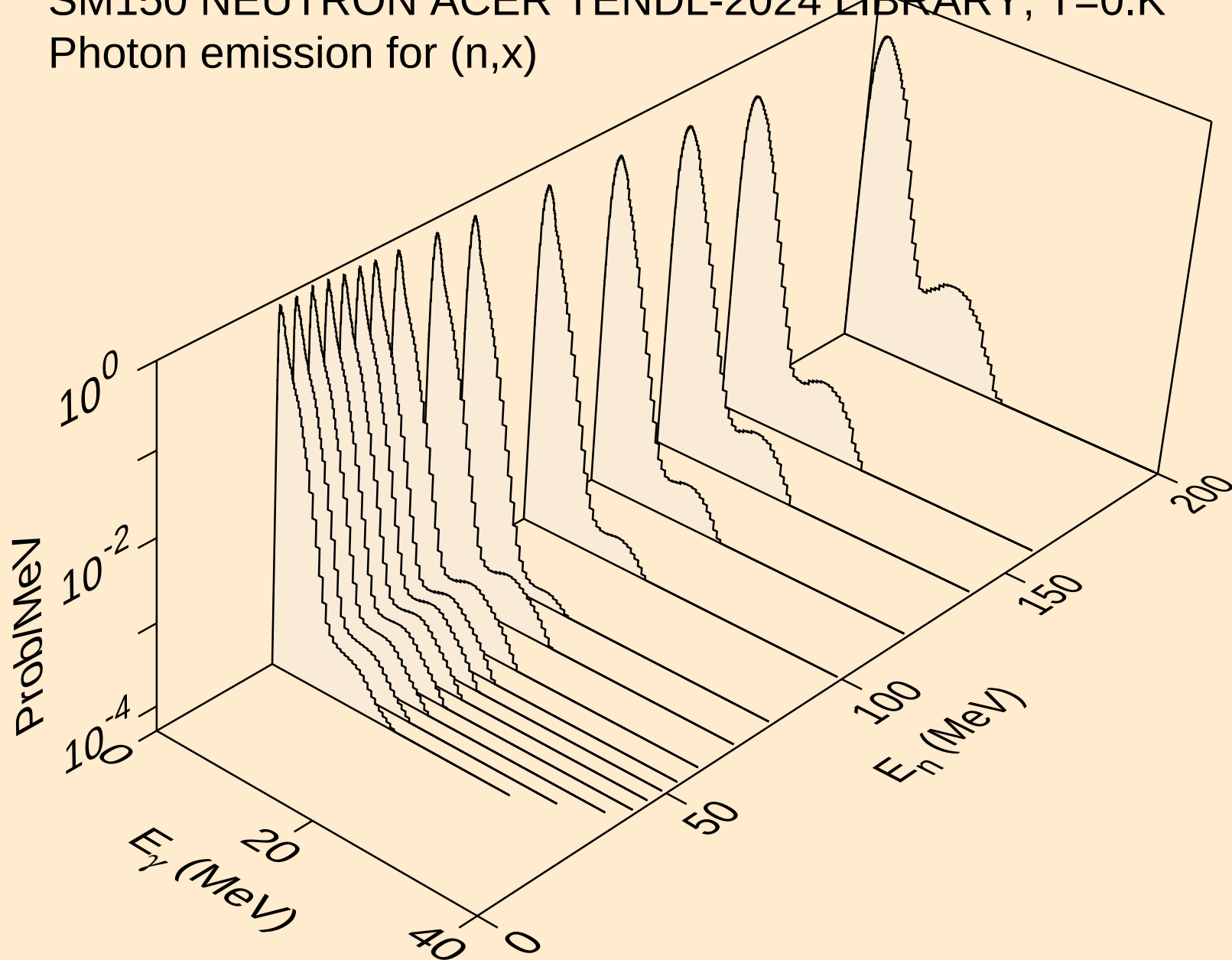
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



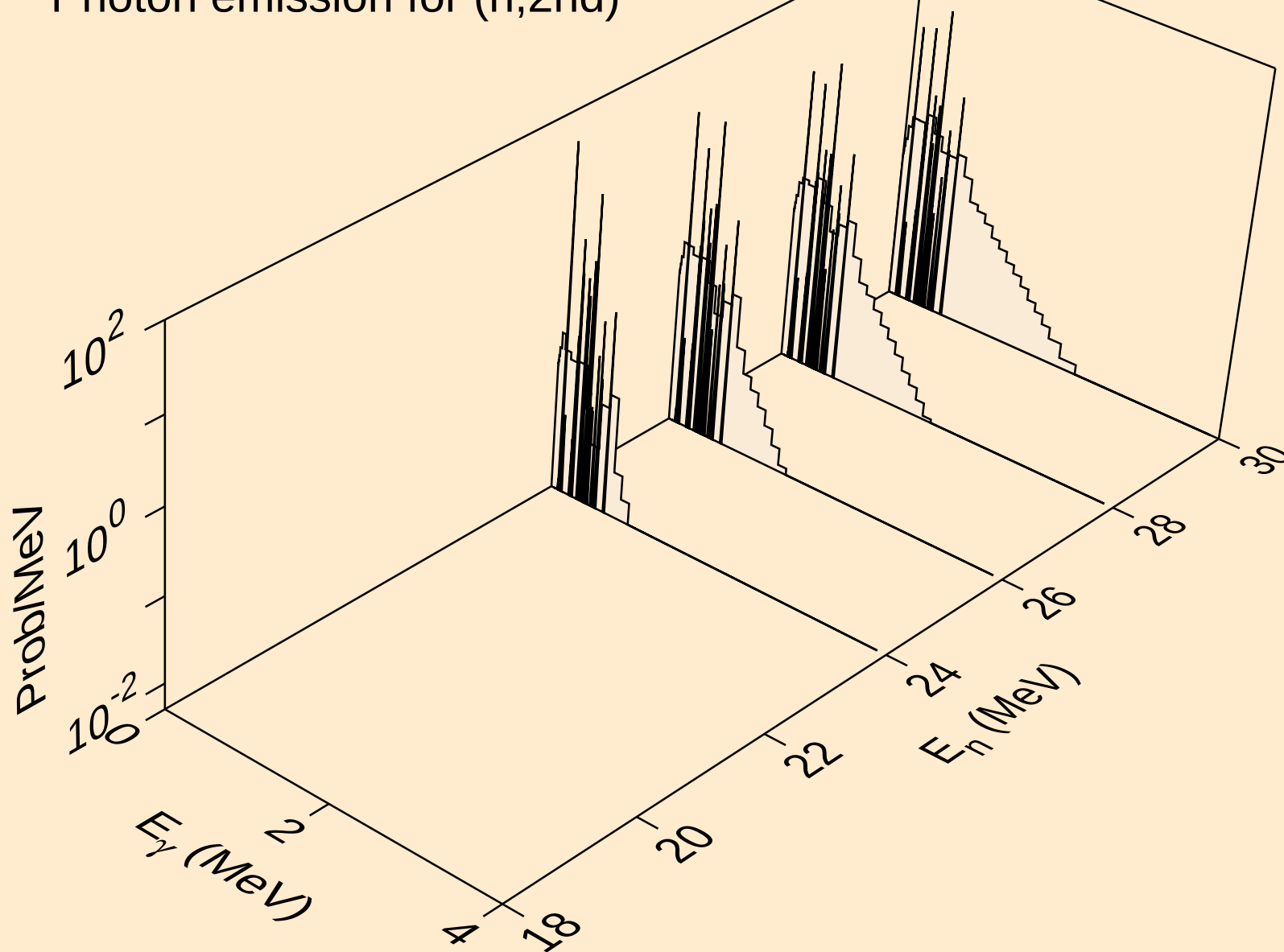
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Neutron emission for (n,n\*c)



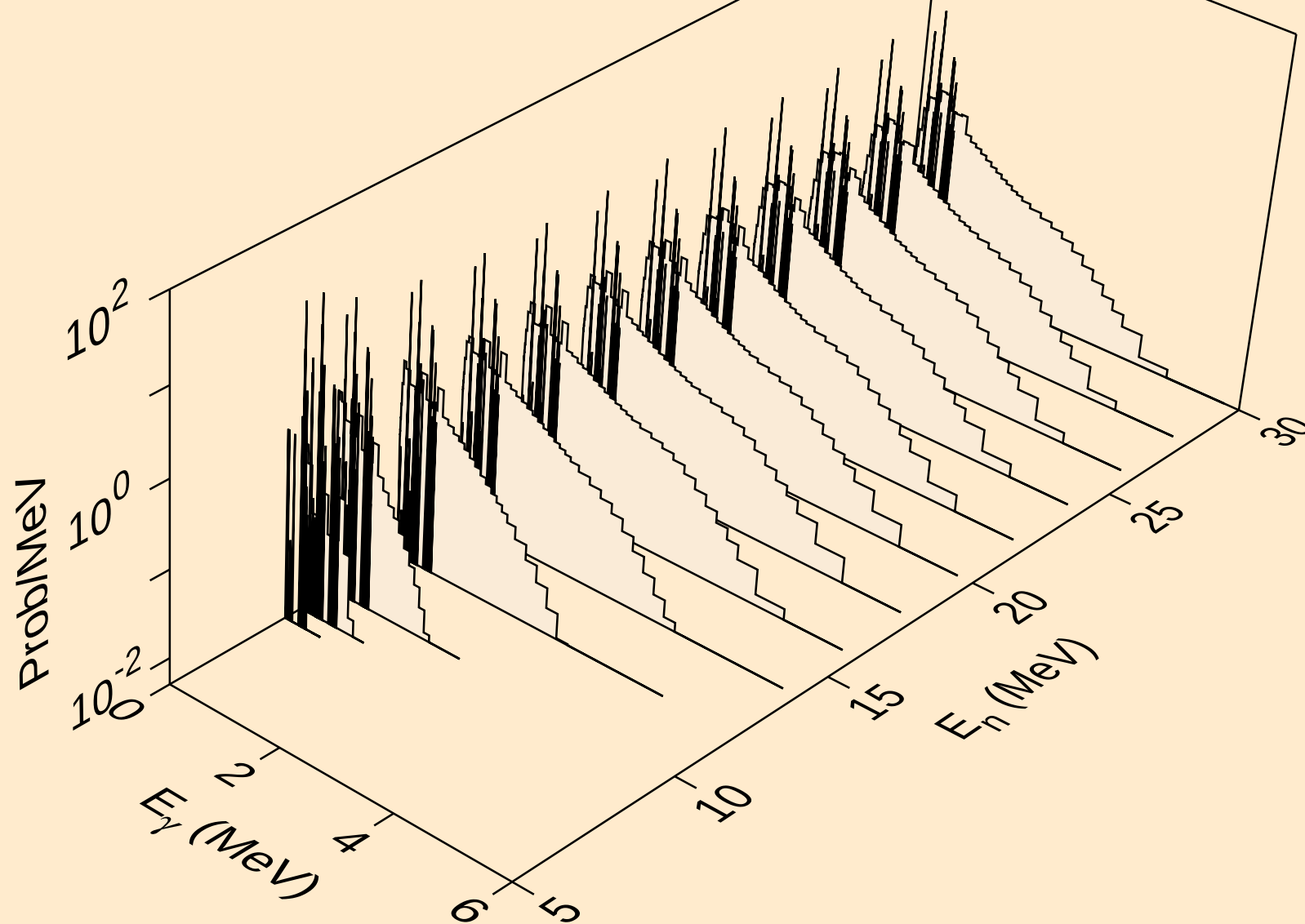
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



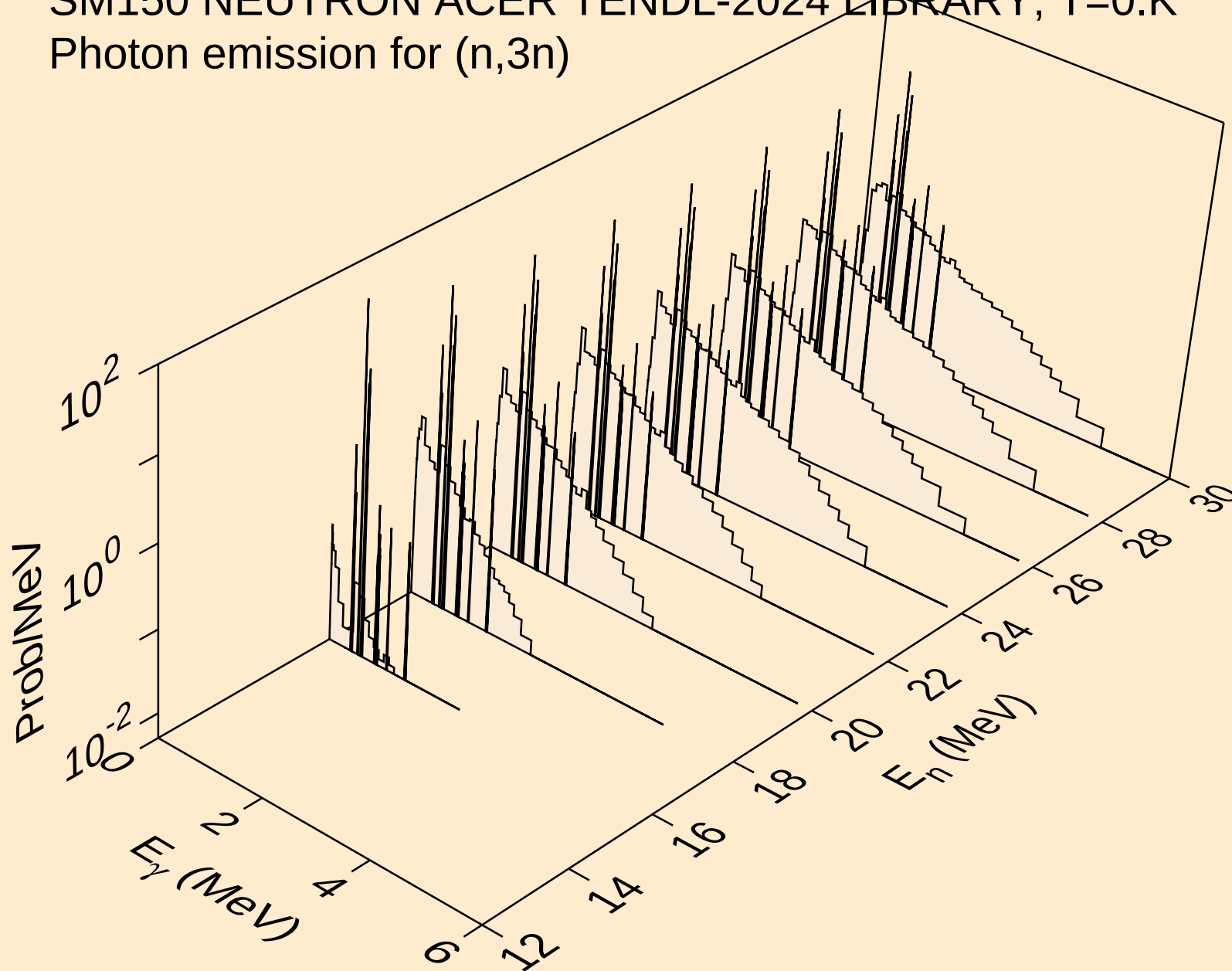
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



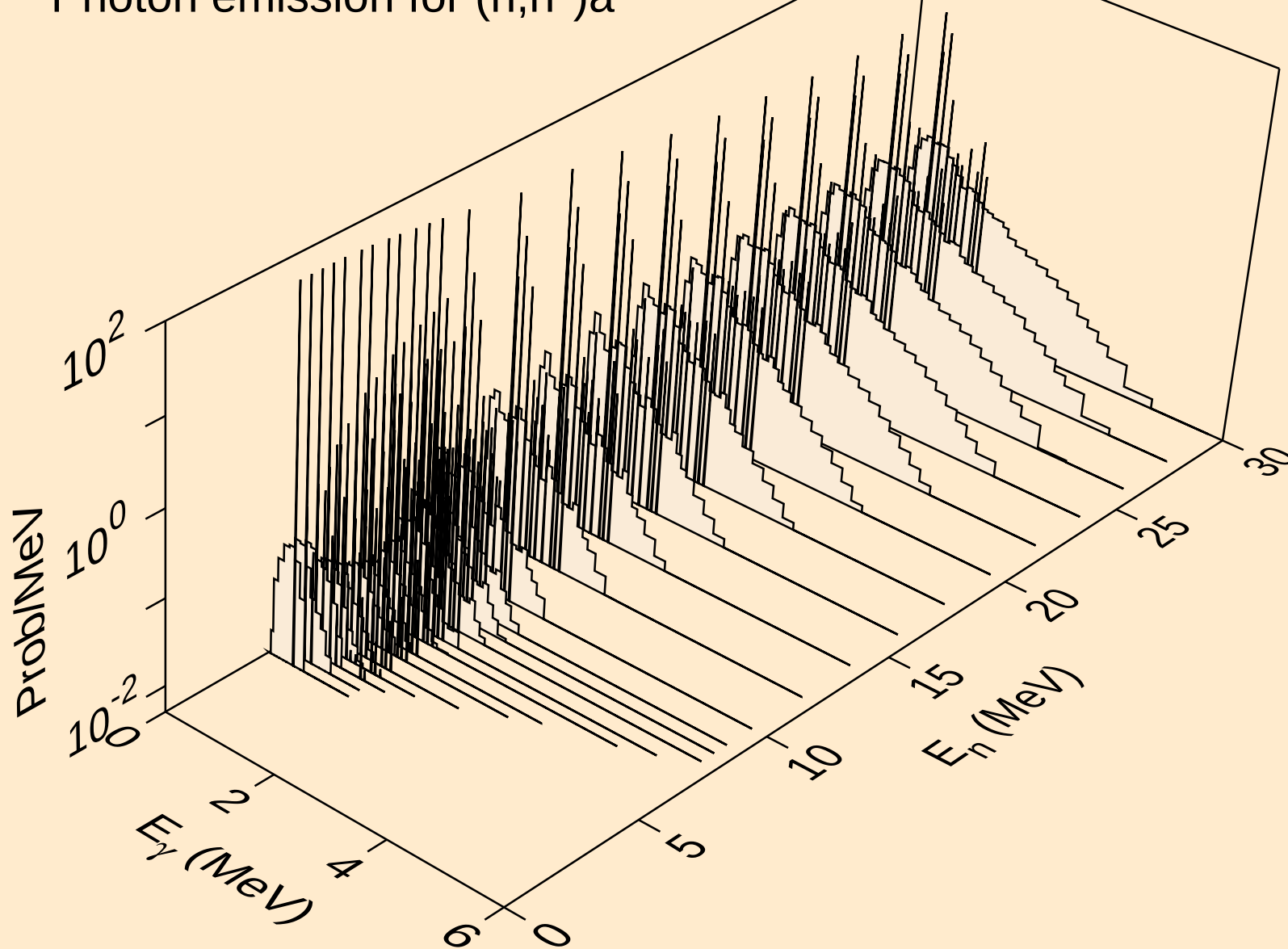
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Photon emission for (n,2n)



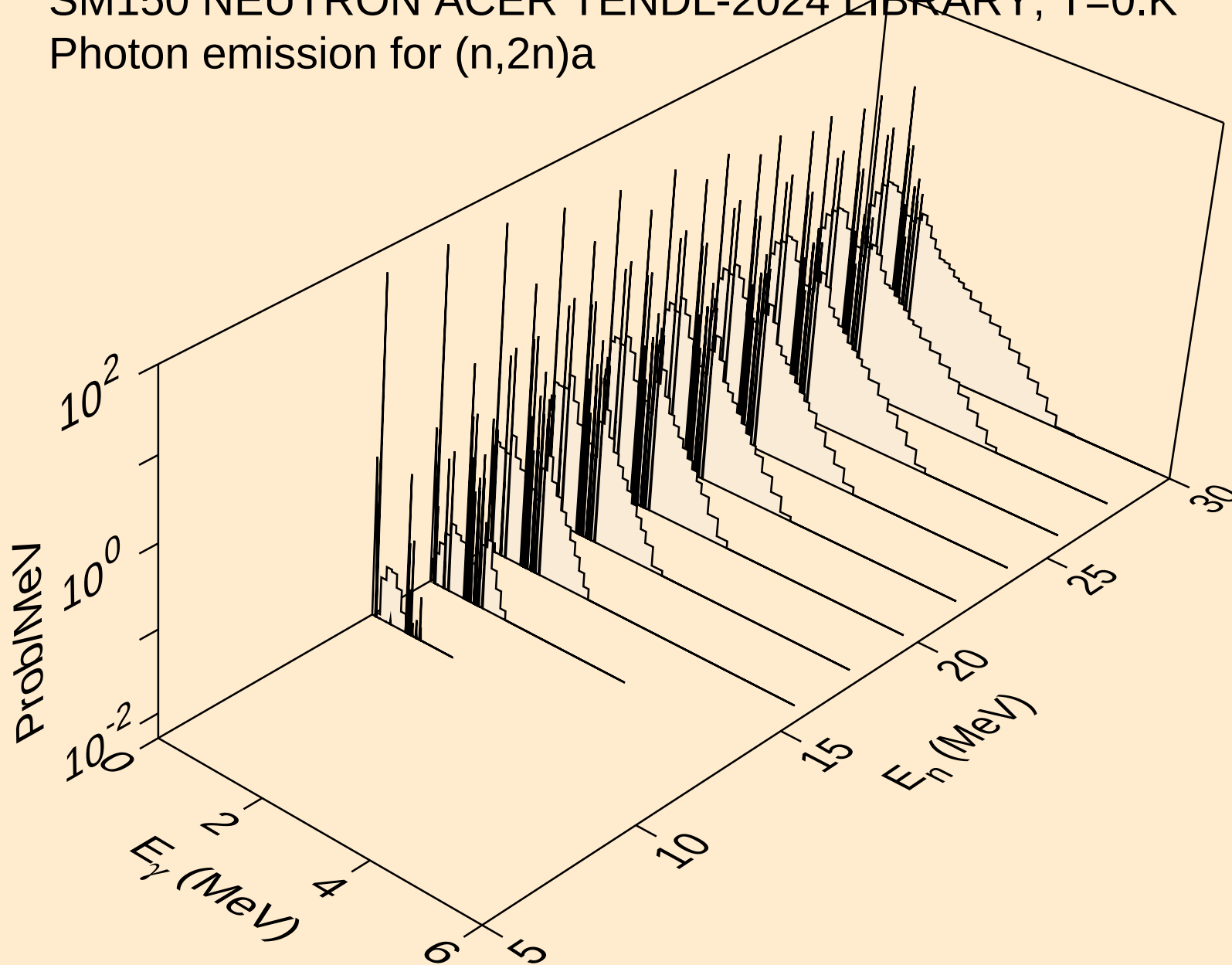
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Photon emission for (n,3n)



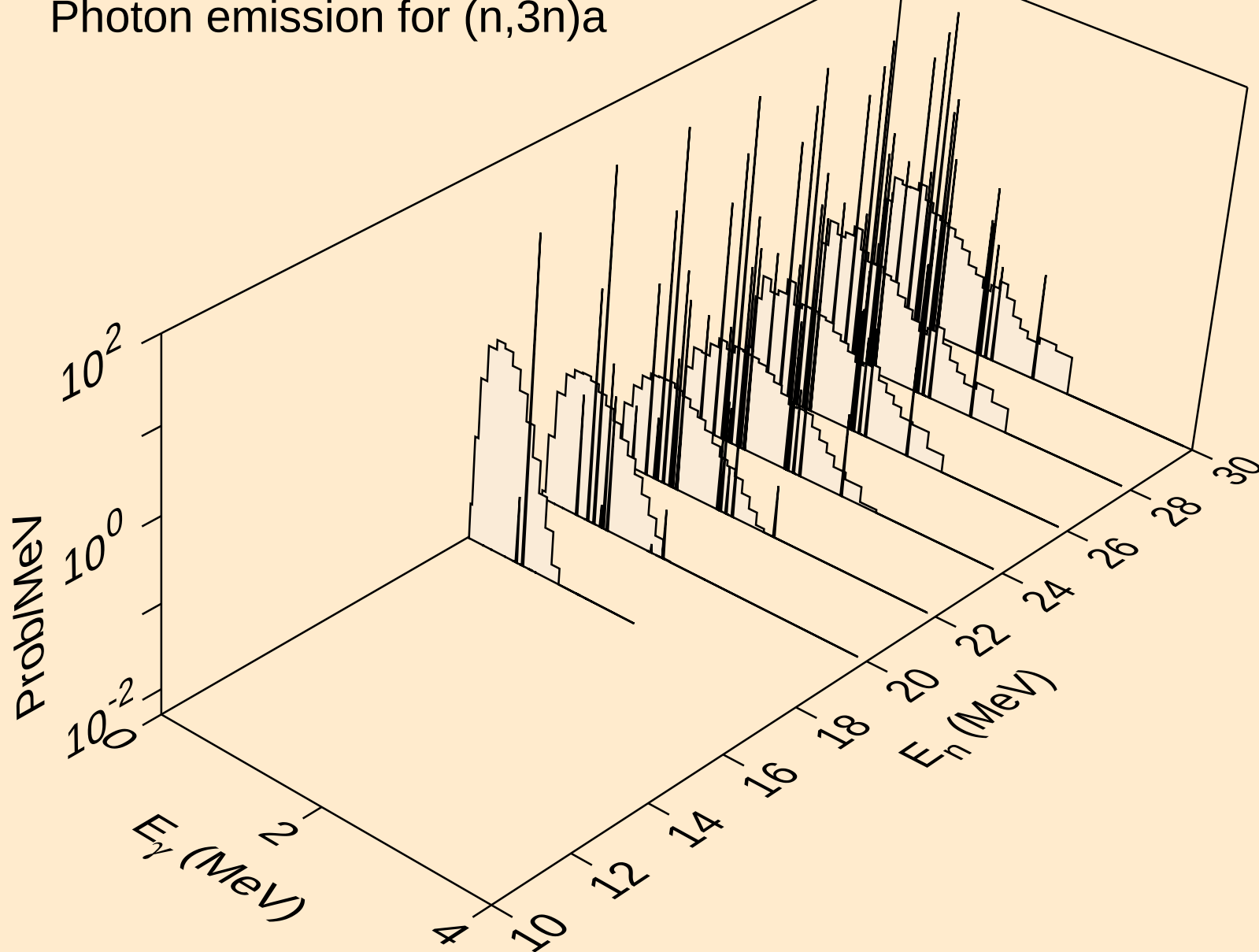
SM150 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)a$



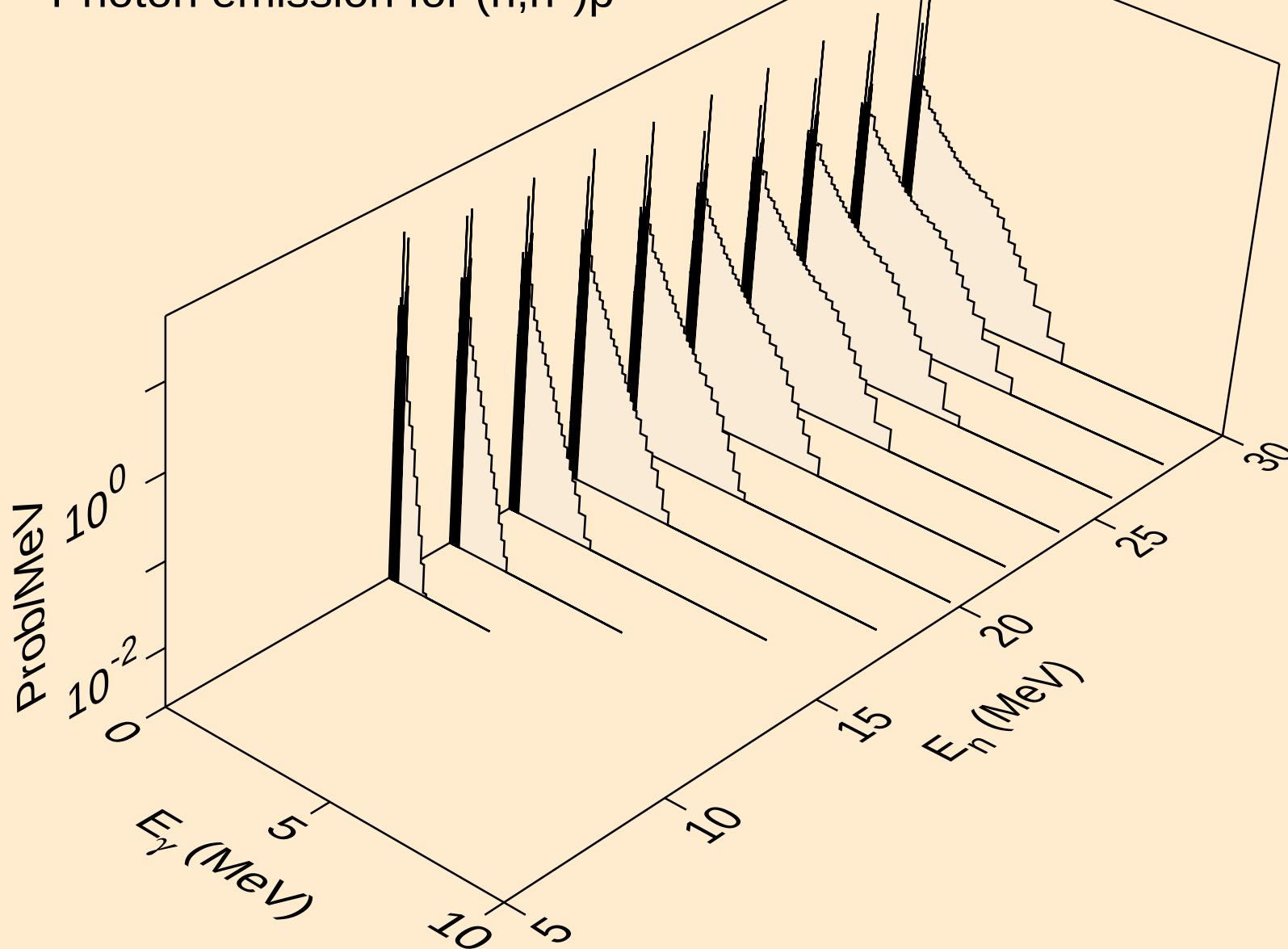
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Photon emission for (n,2n)a



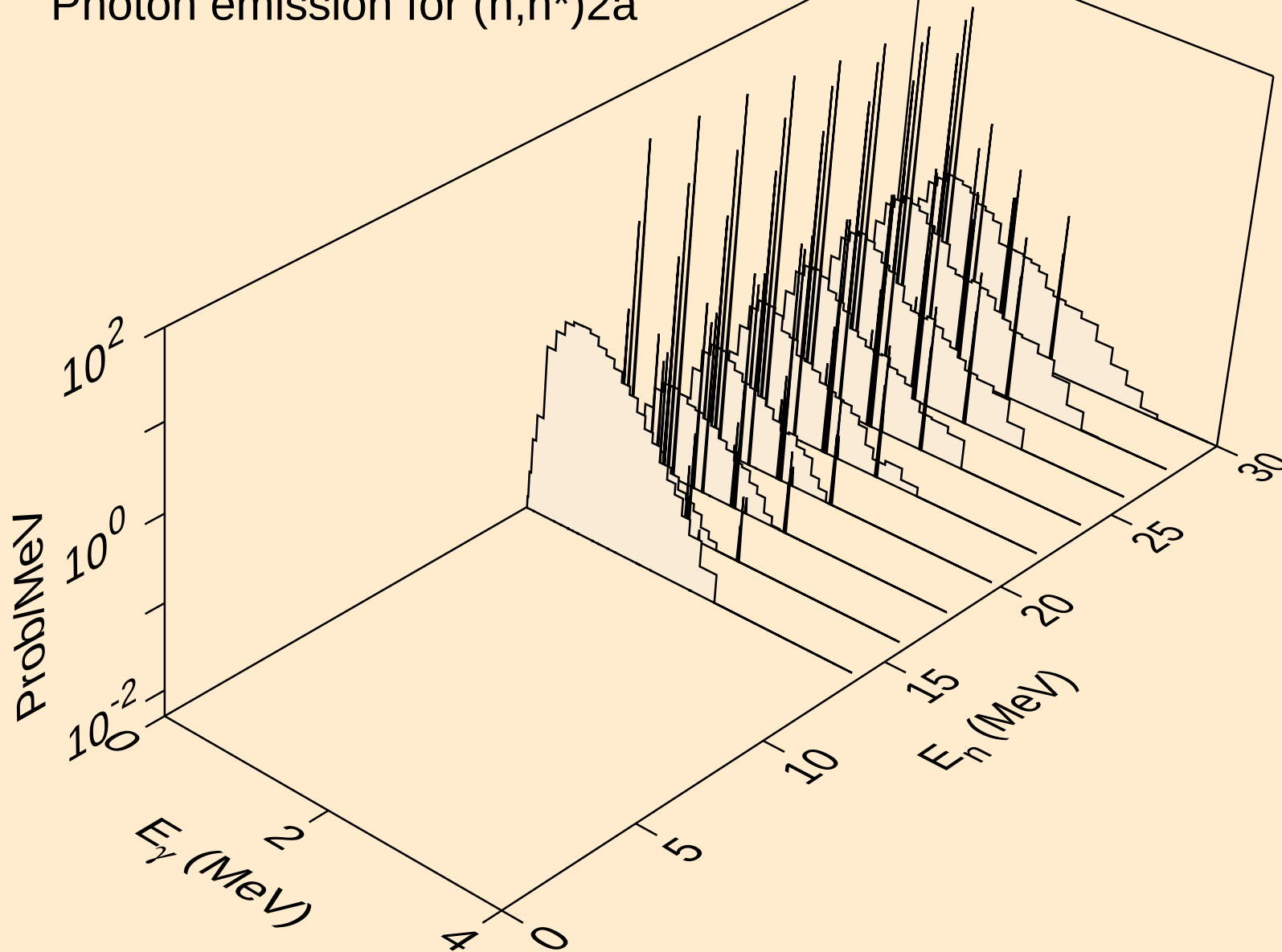
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Photon emission for (n,3n)a



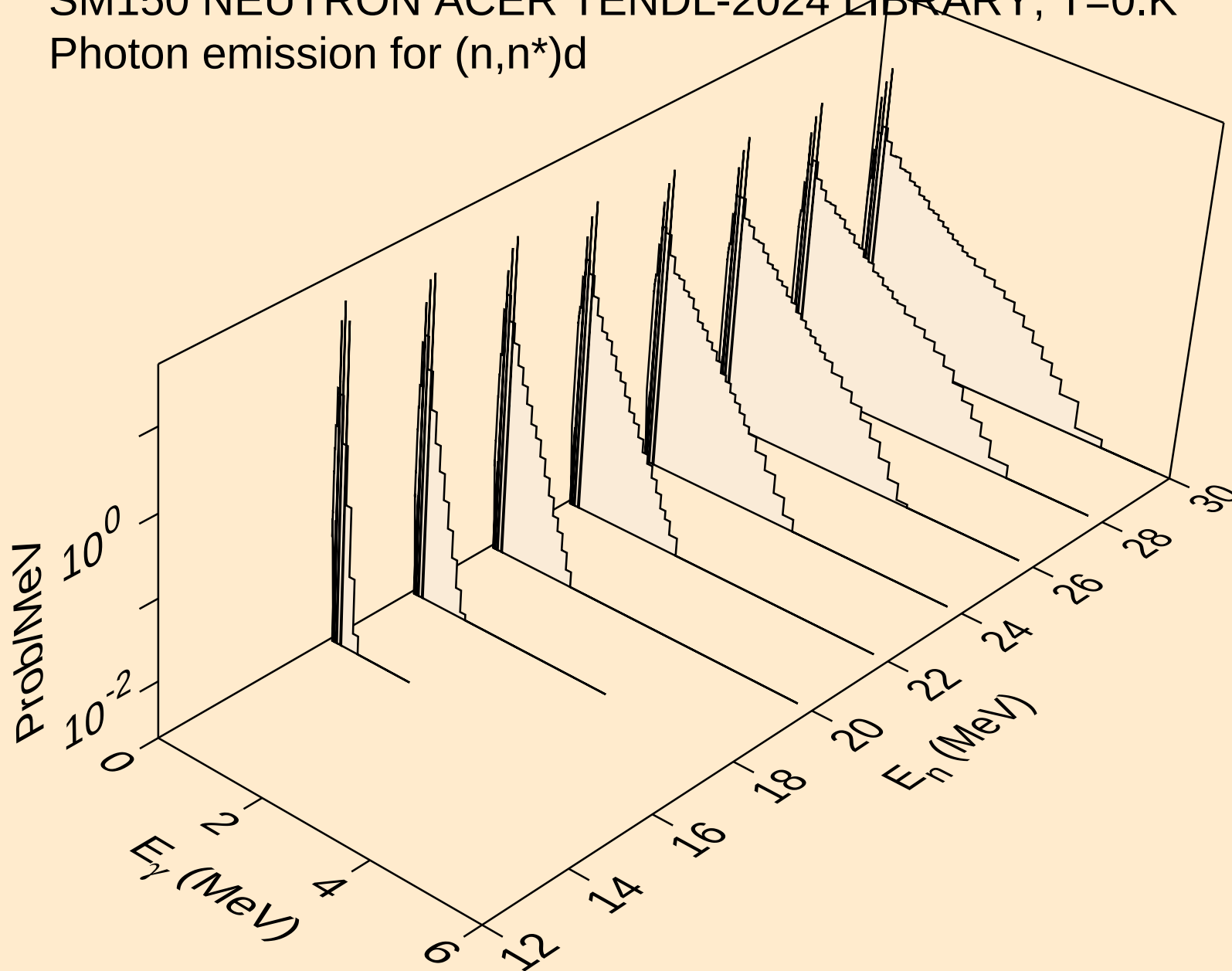
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



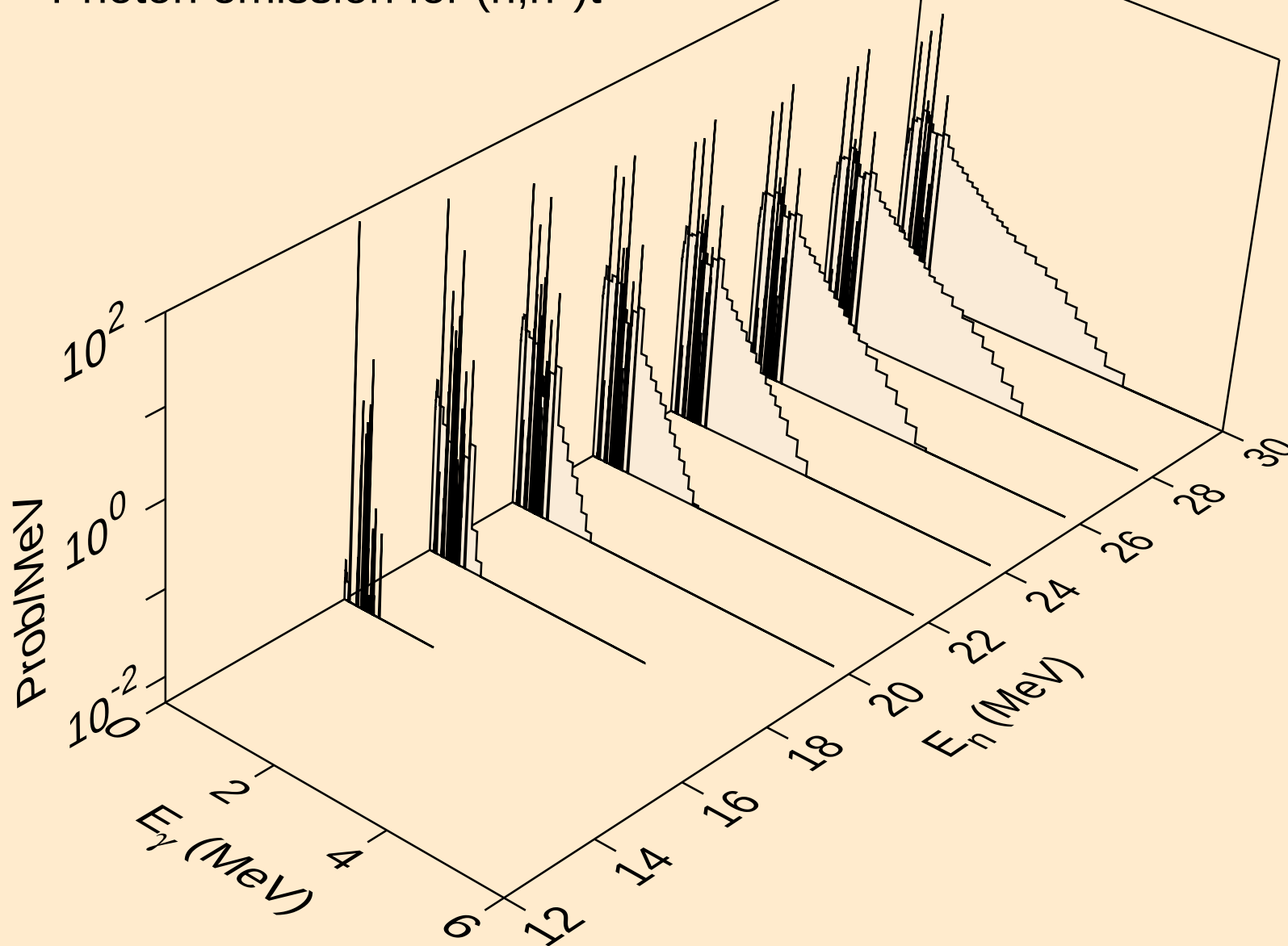
SM150 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)^{2a}$



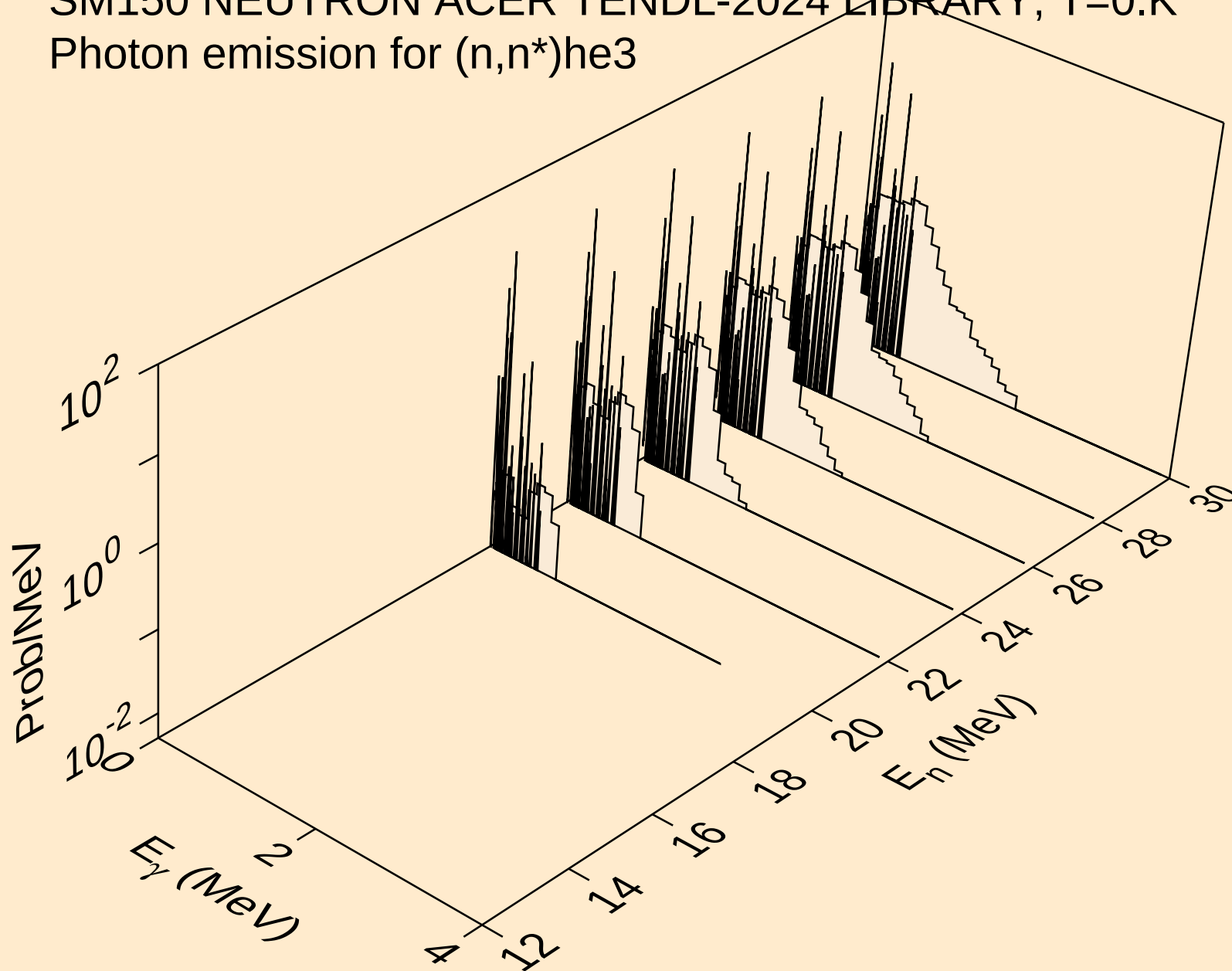
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



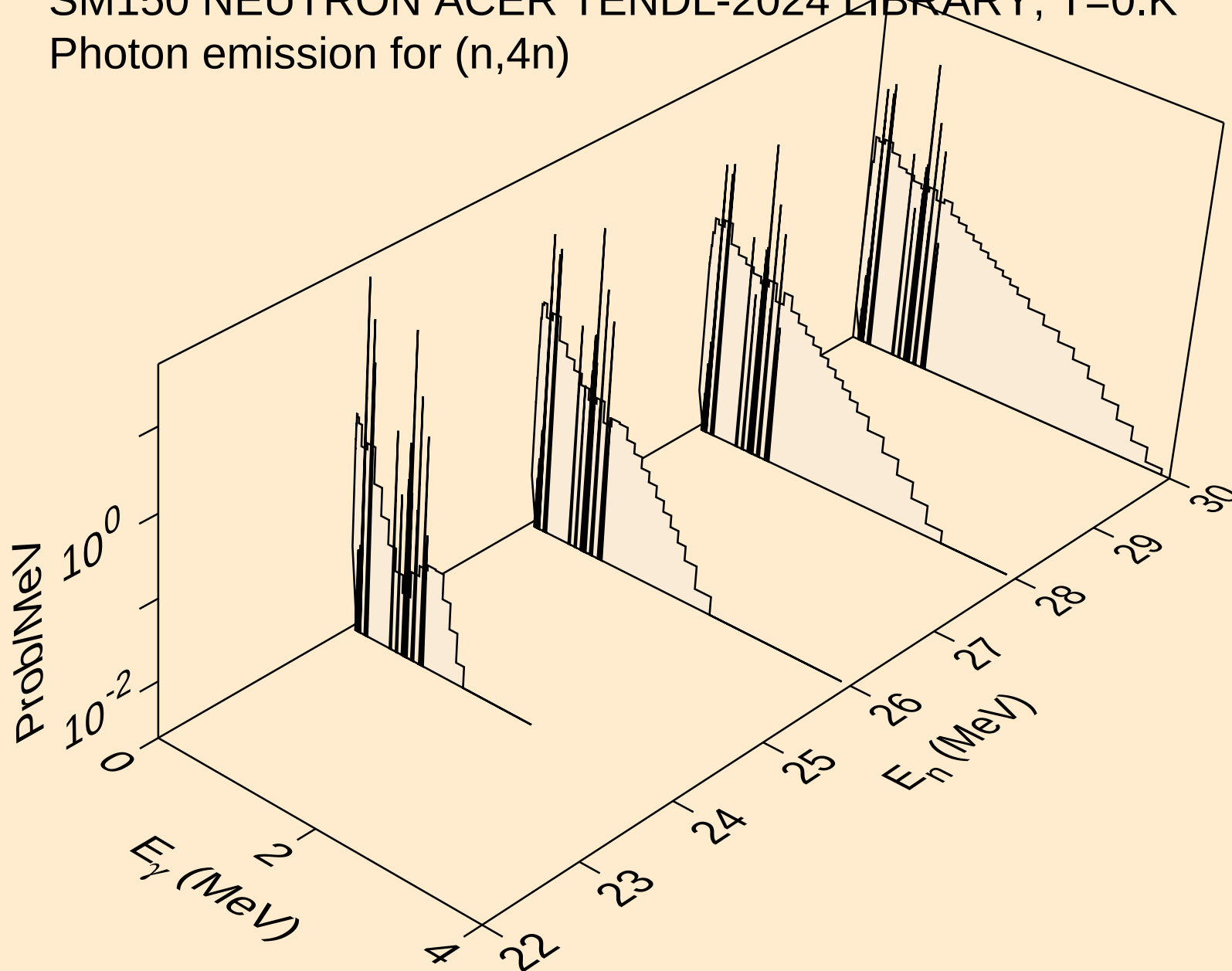
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Photon emission for  $(n,n^*)t$



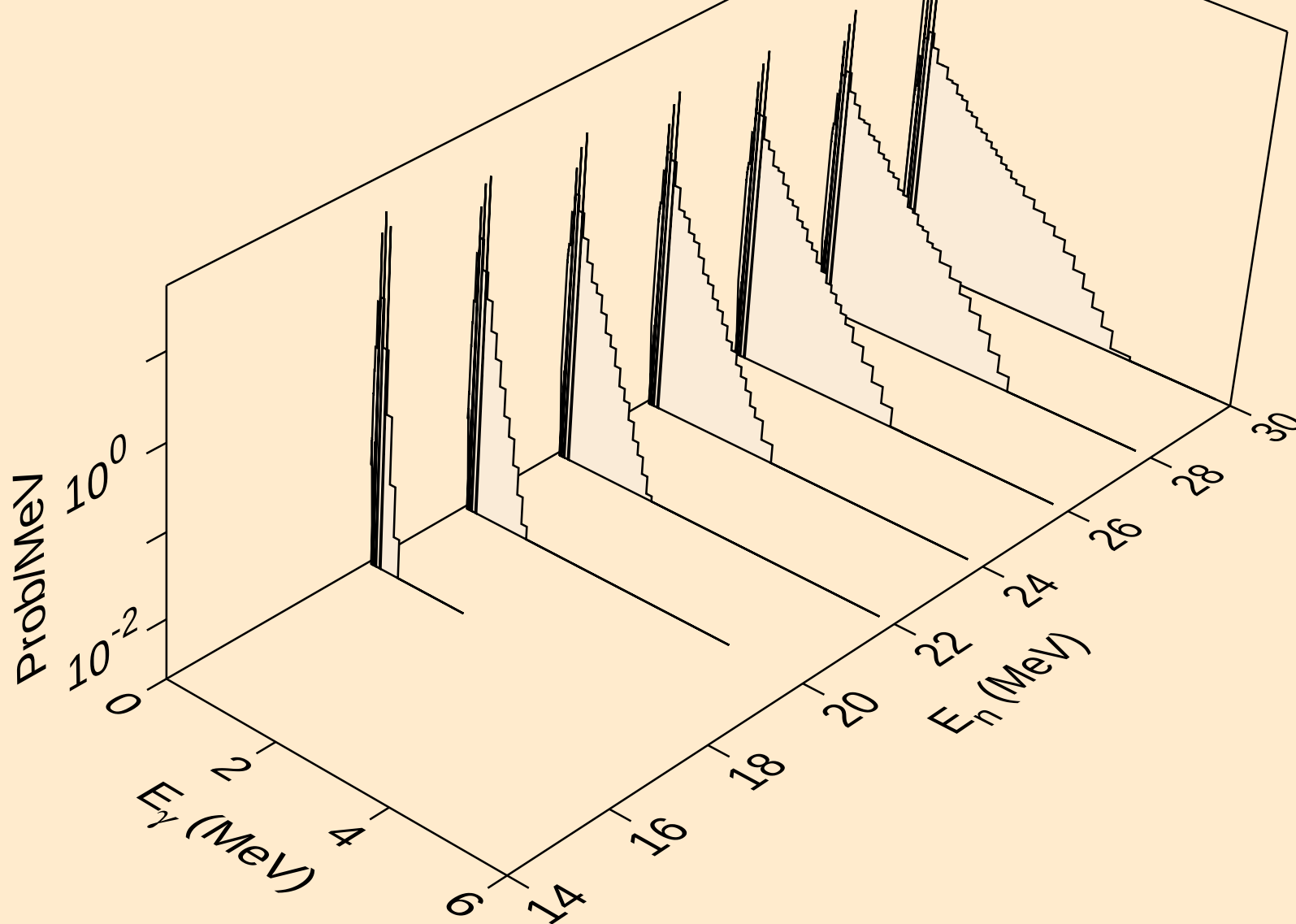
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



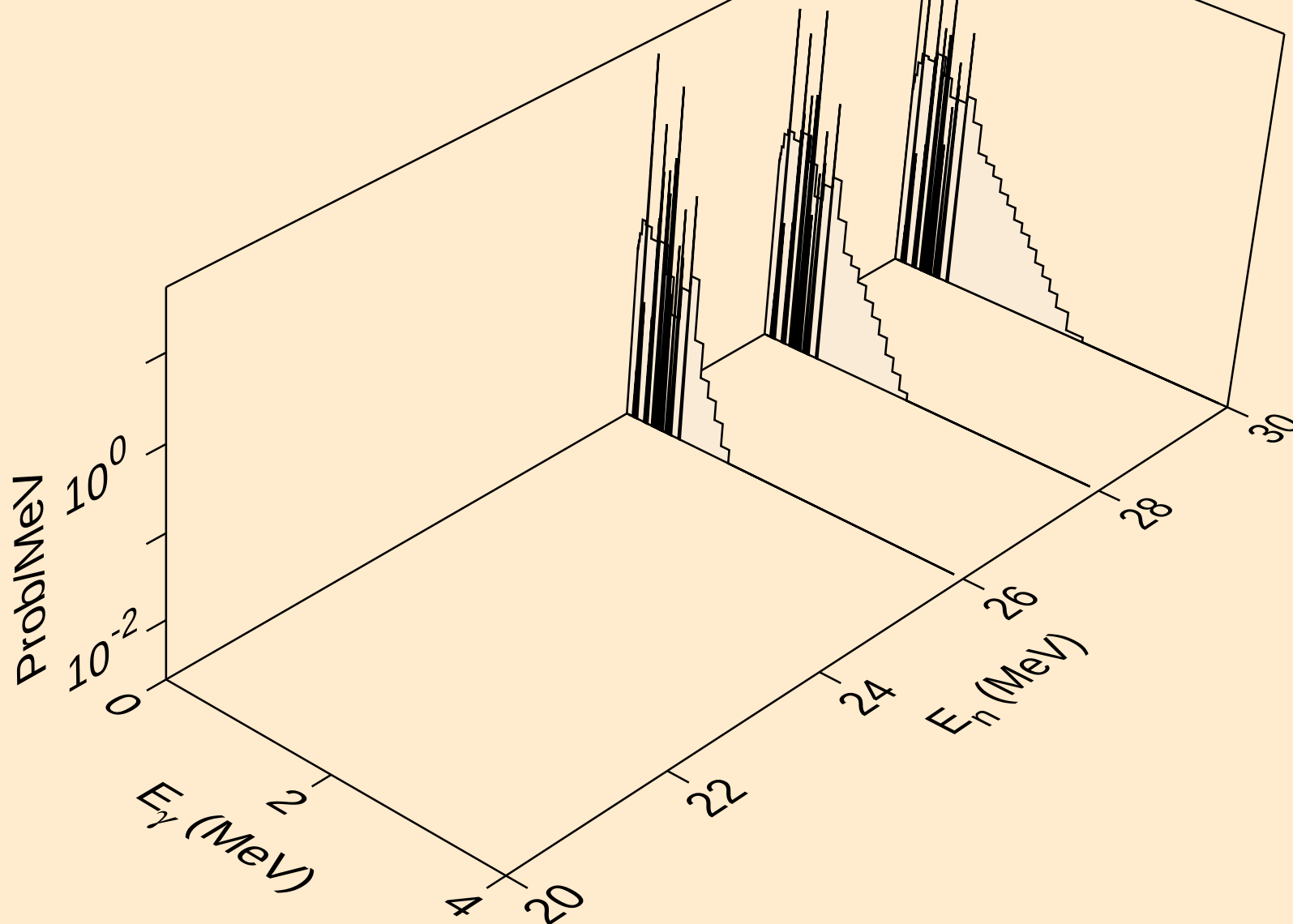
SM150 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,4n)



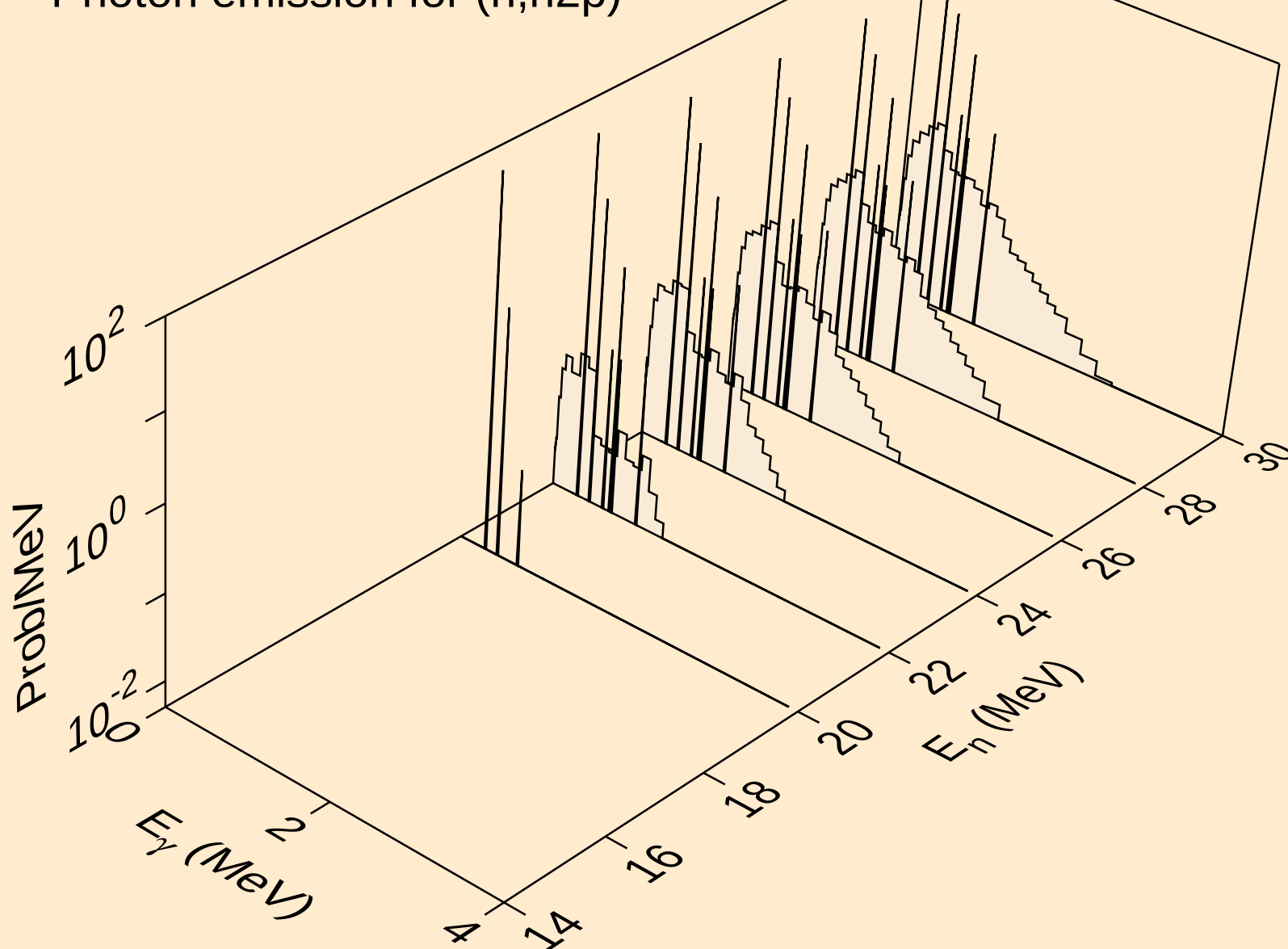
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Photon emission for (n,2np)



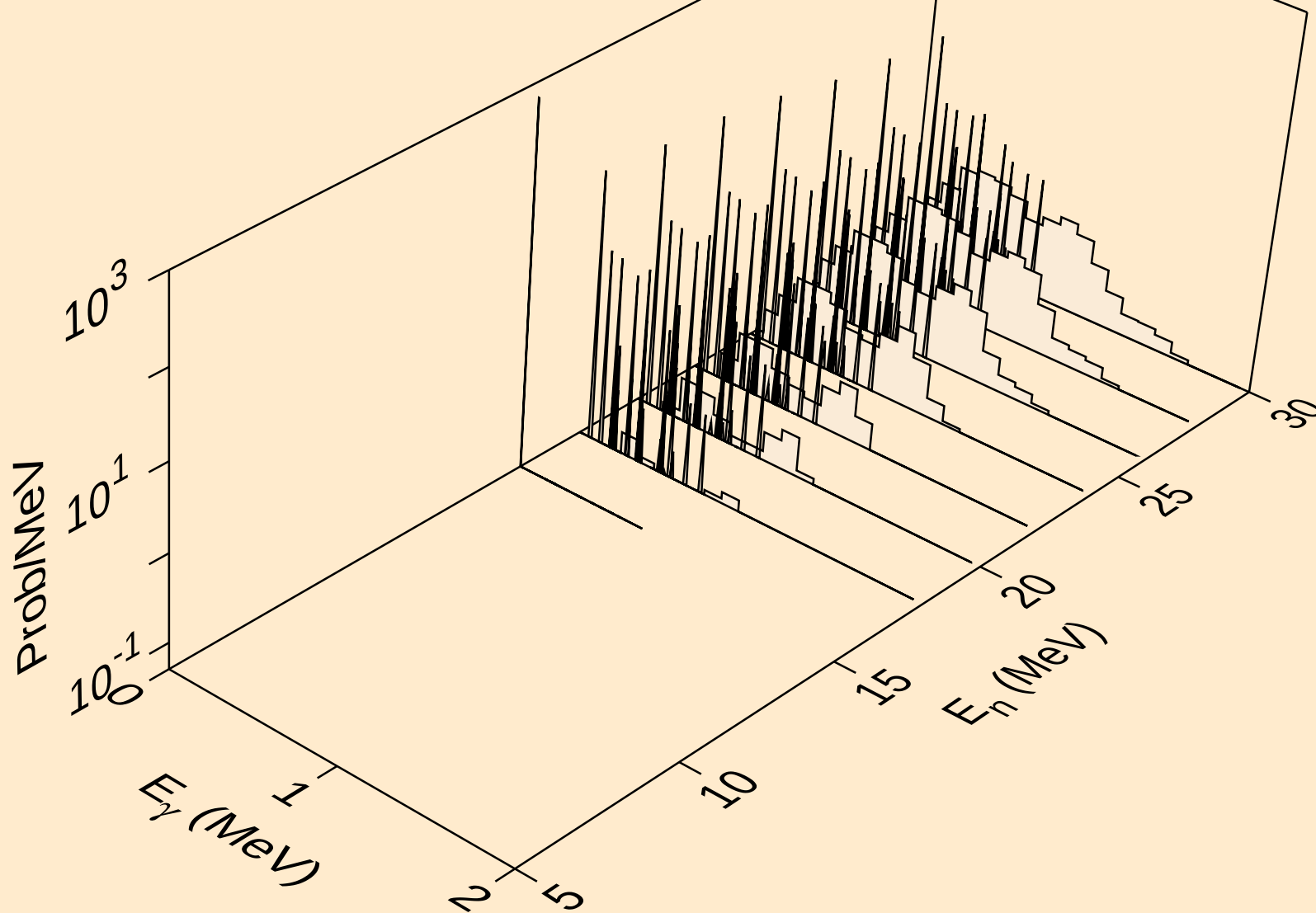
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Photon emission for (n,3np)



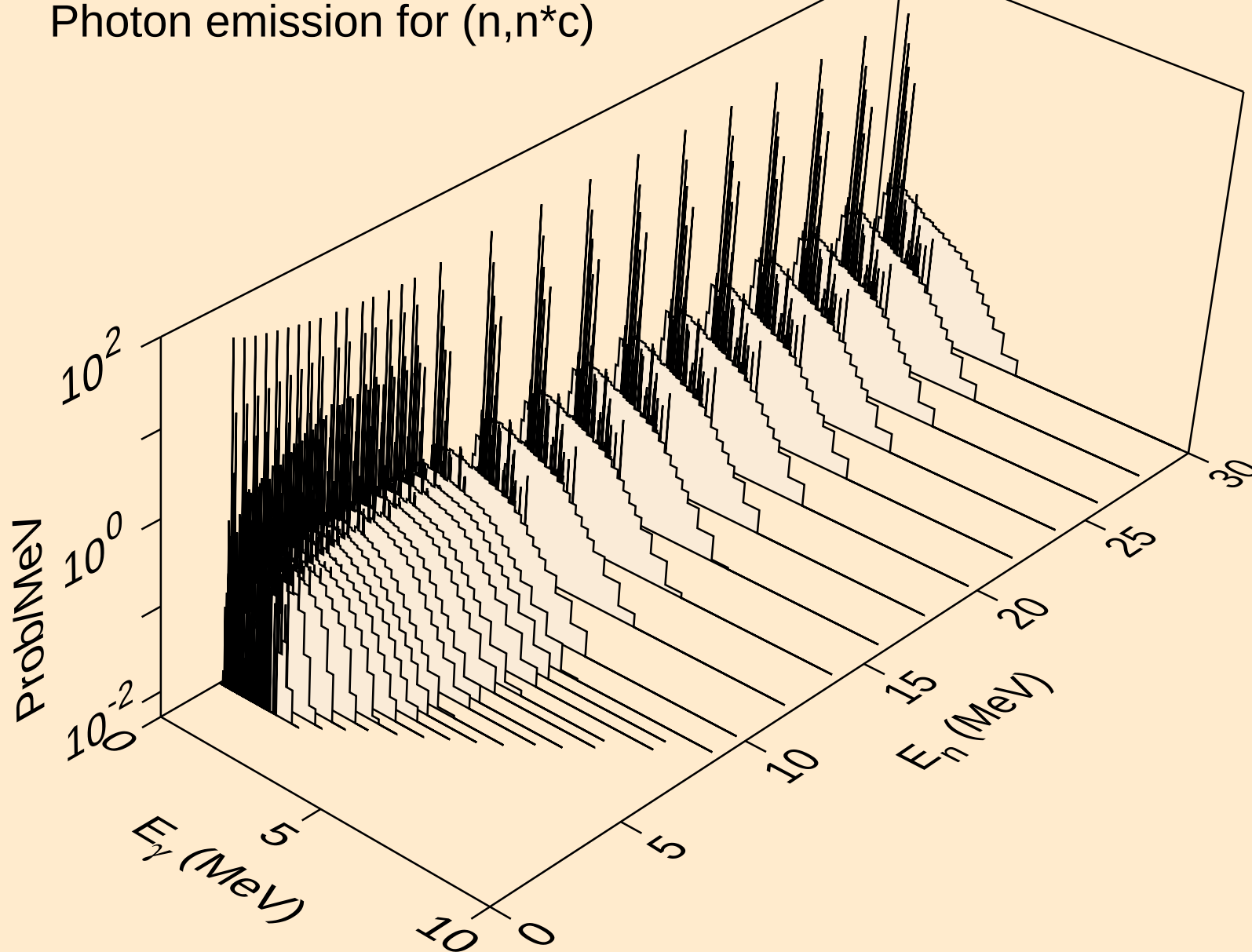
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Photon emission for (n,n2p)



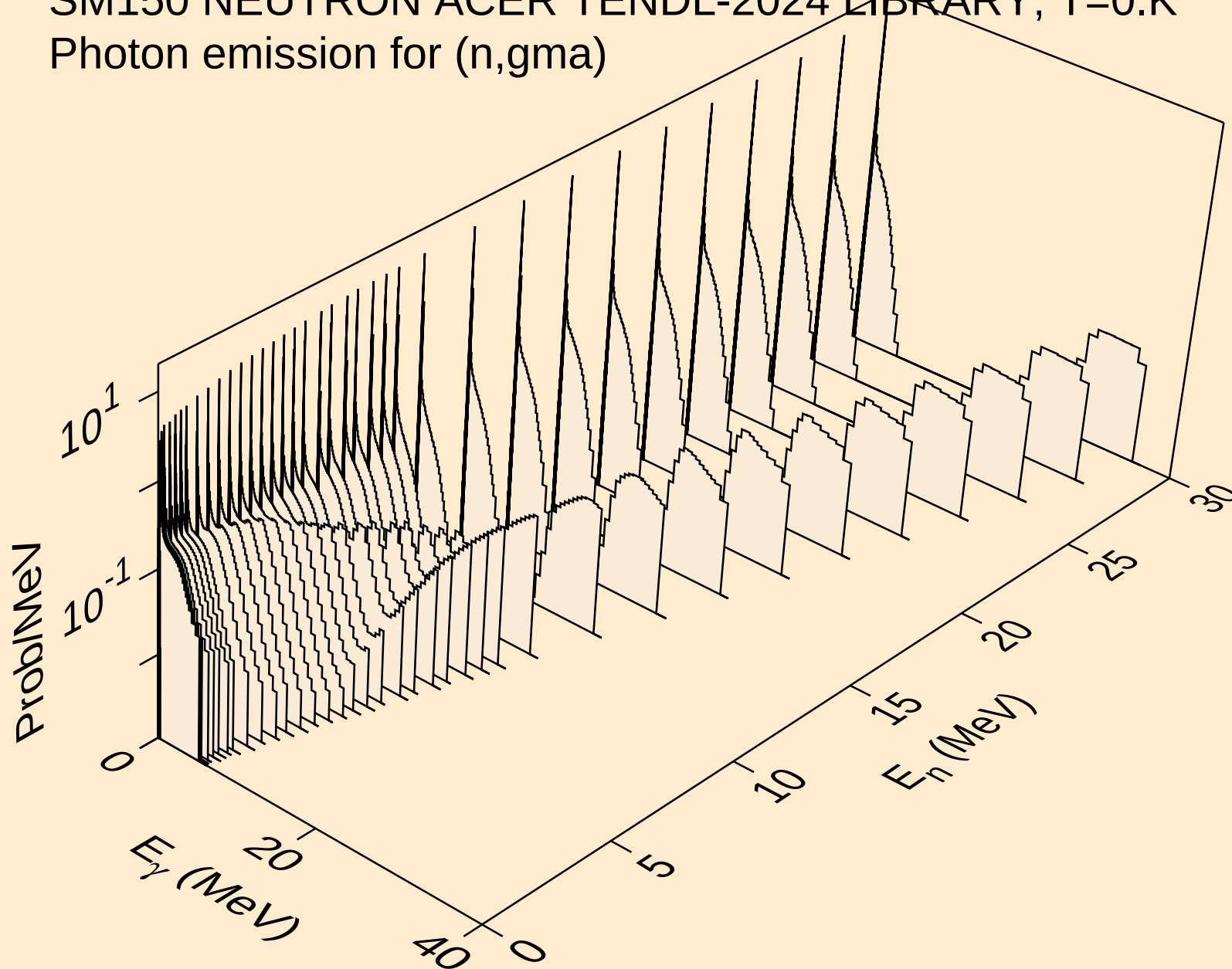
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Photon emission for (n,npa)



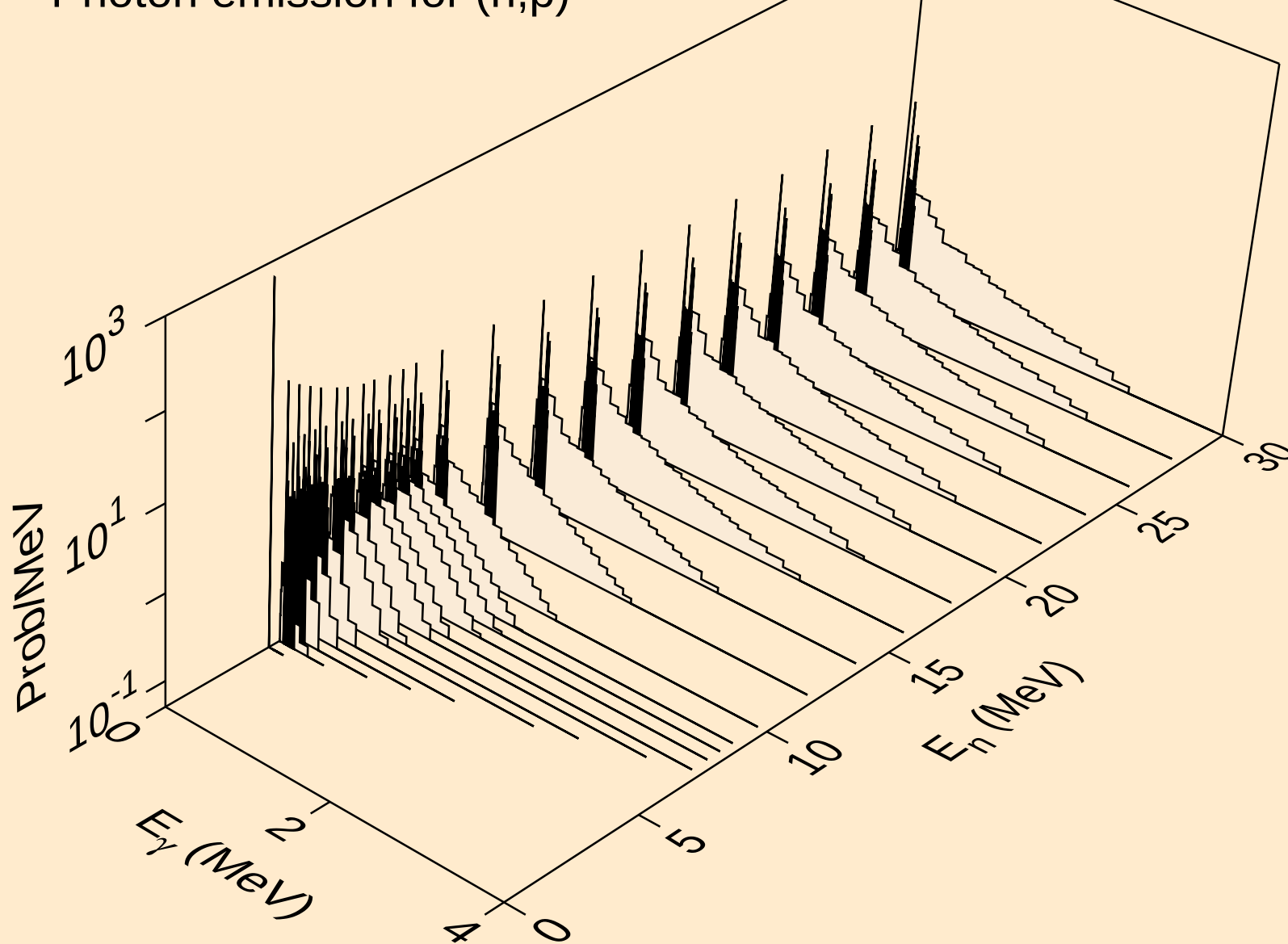
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Photon emission for (n,n\*c)



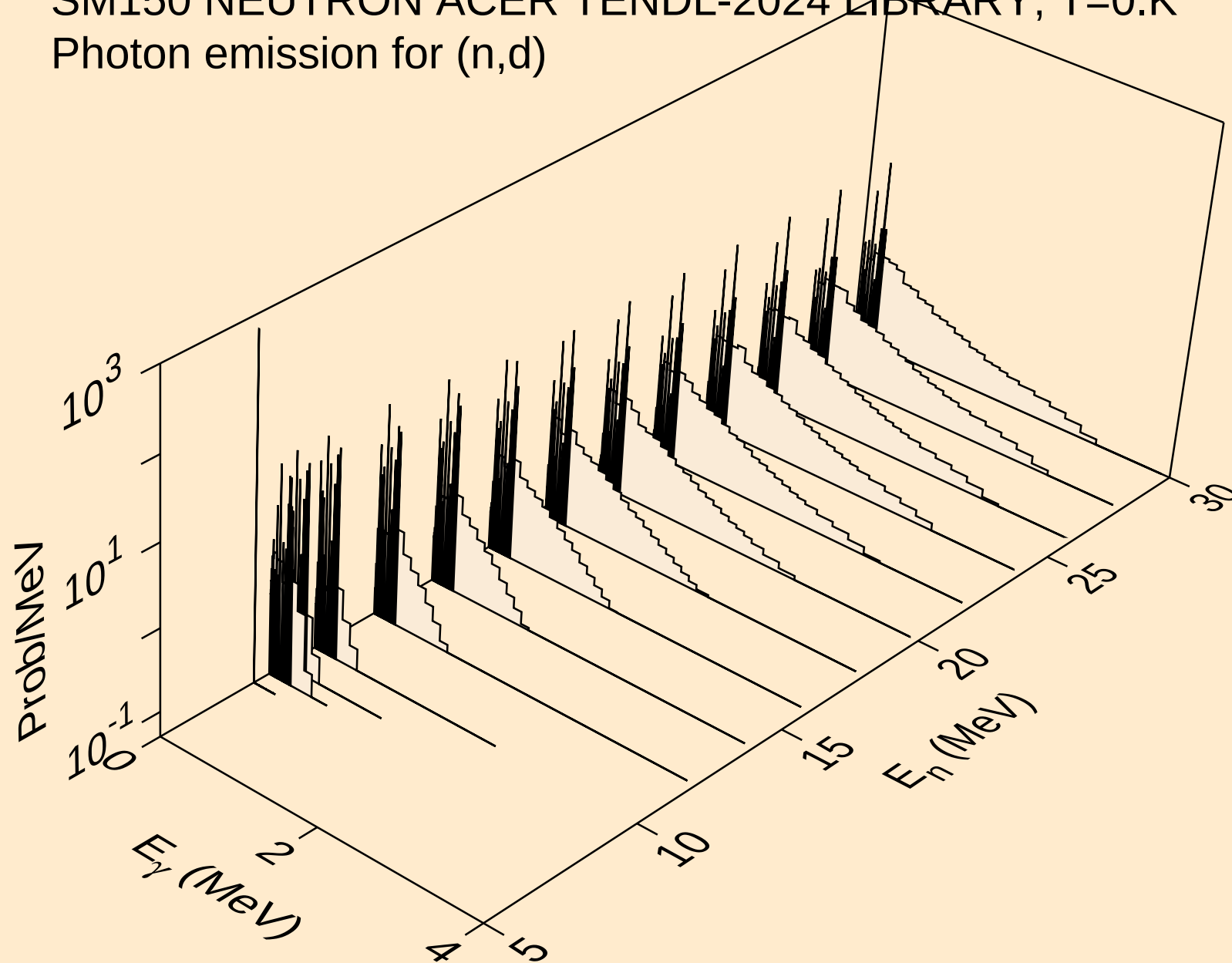
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Photon emission for (n,gma)



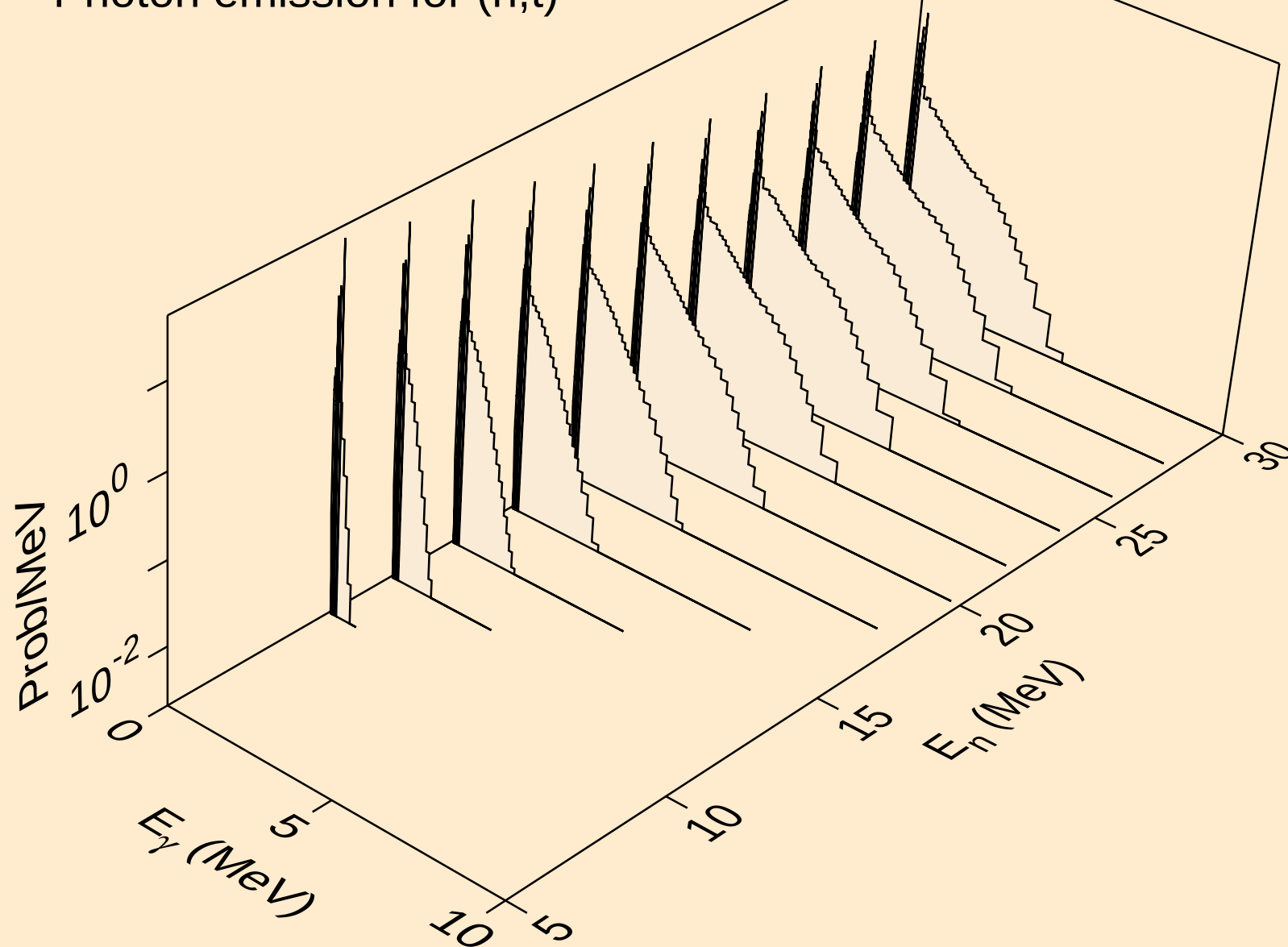
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Photon emission for (n,p)



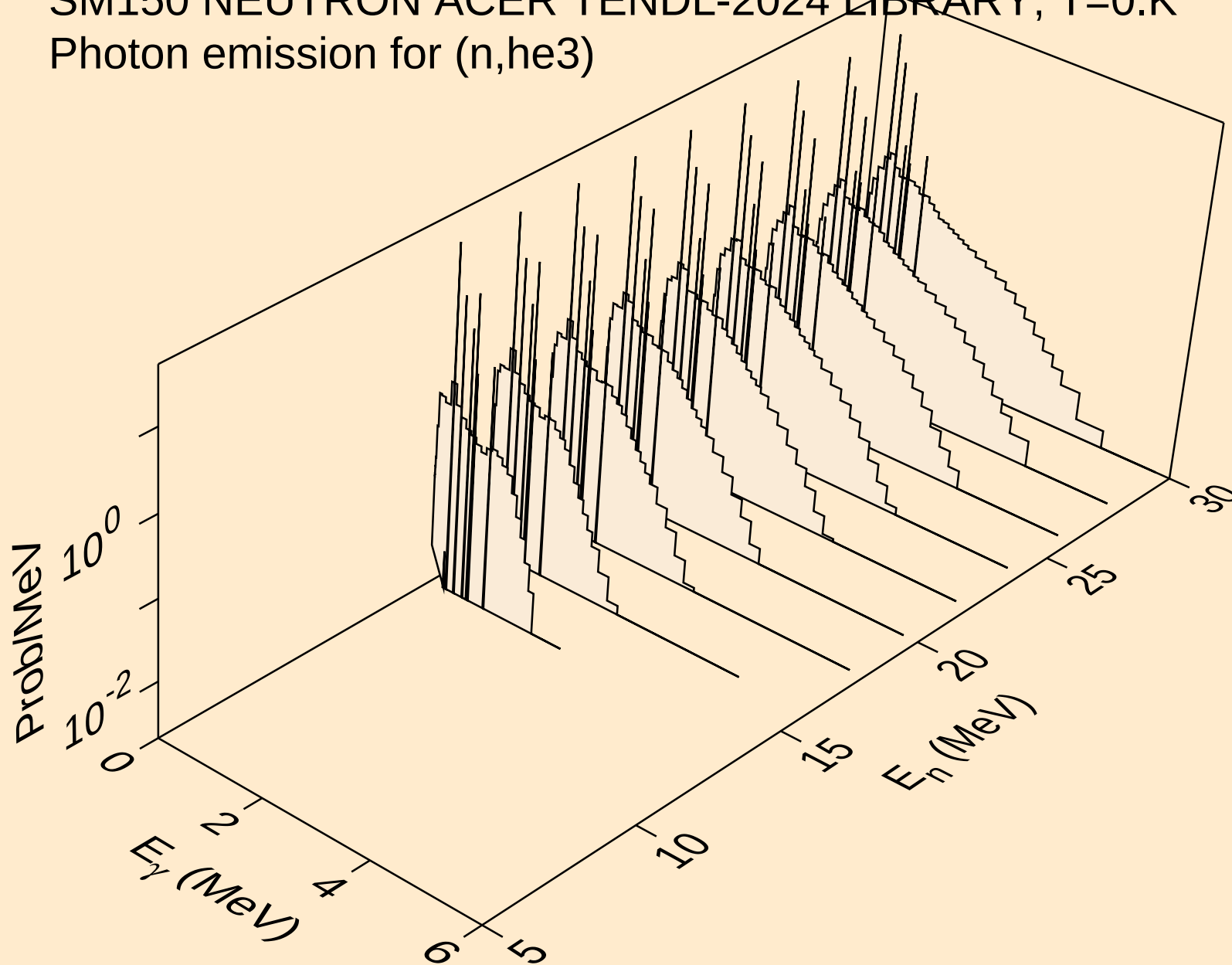
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Photon emission for (n,d)



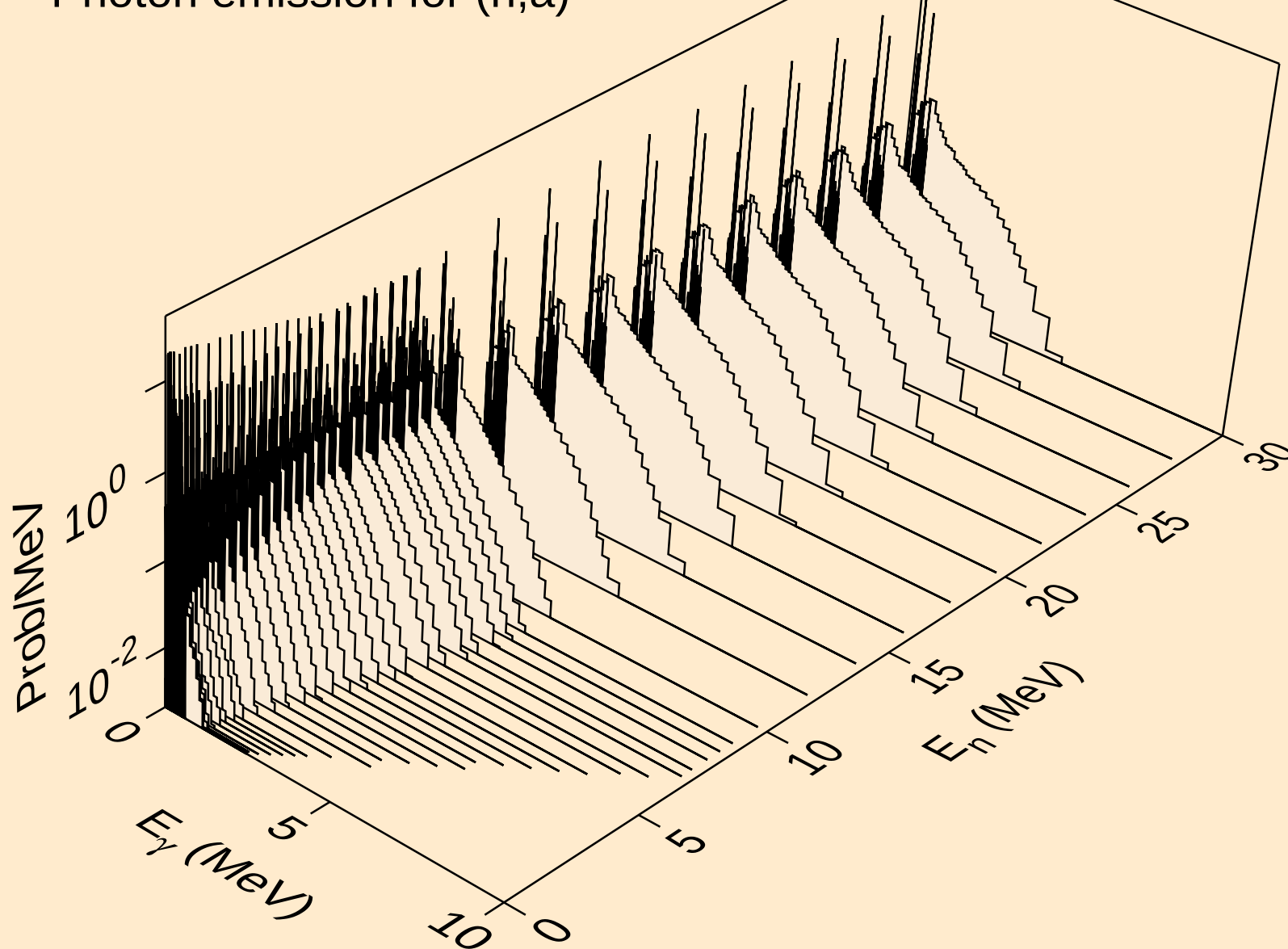
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Photon emission for (n,t)



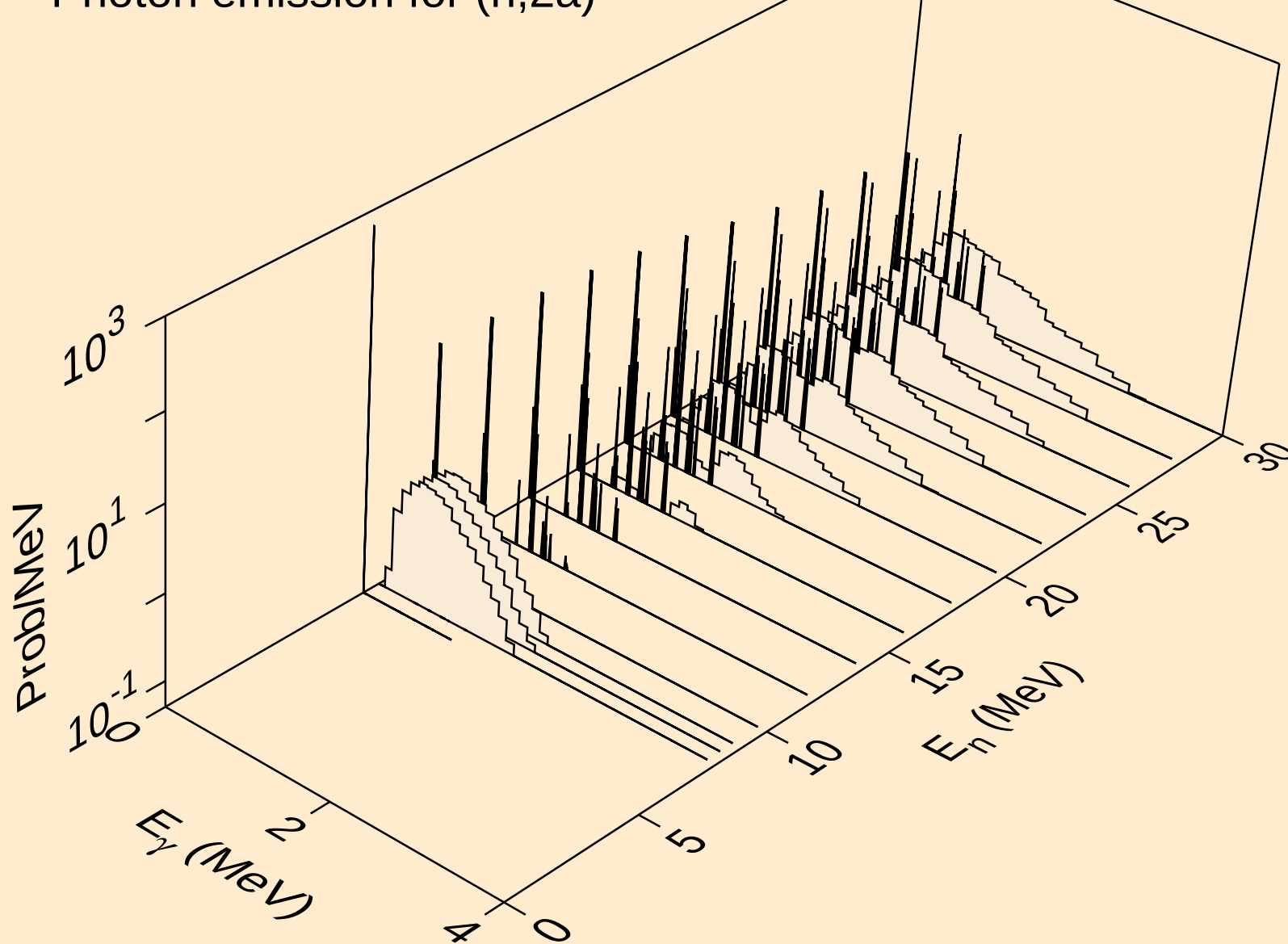
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Photon emission for (n,he3)



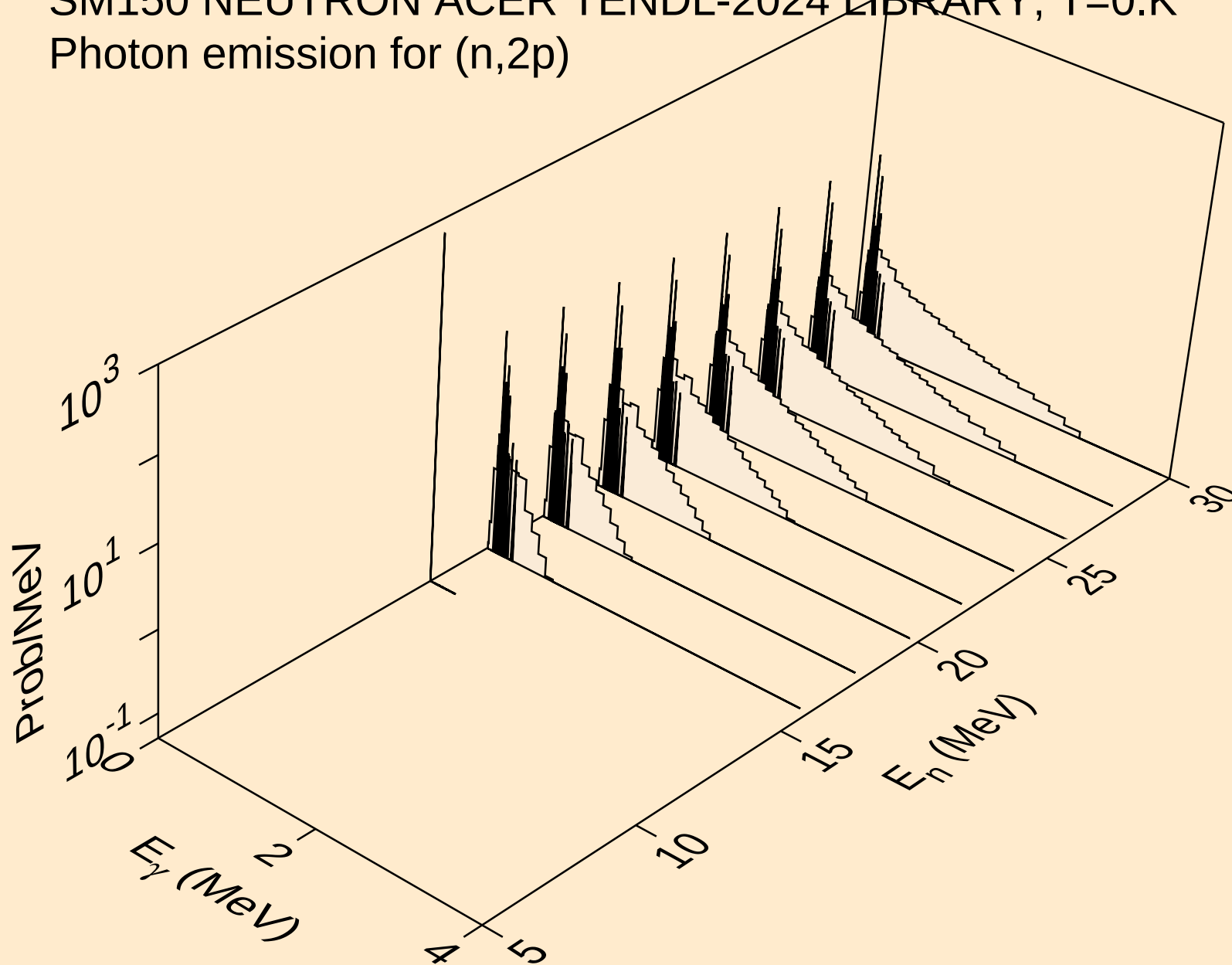
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Photon emission for (n,a)



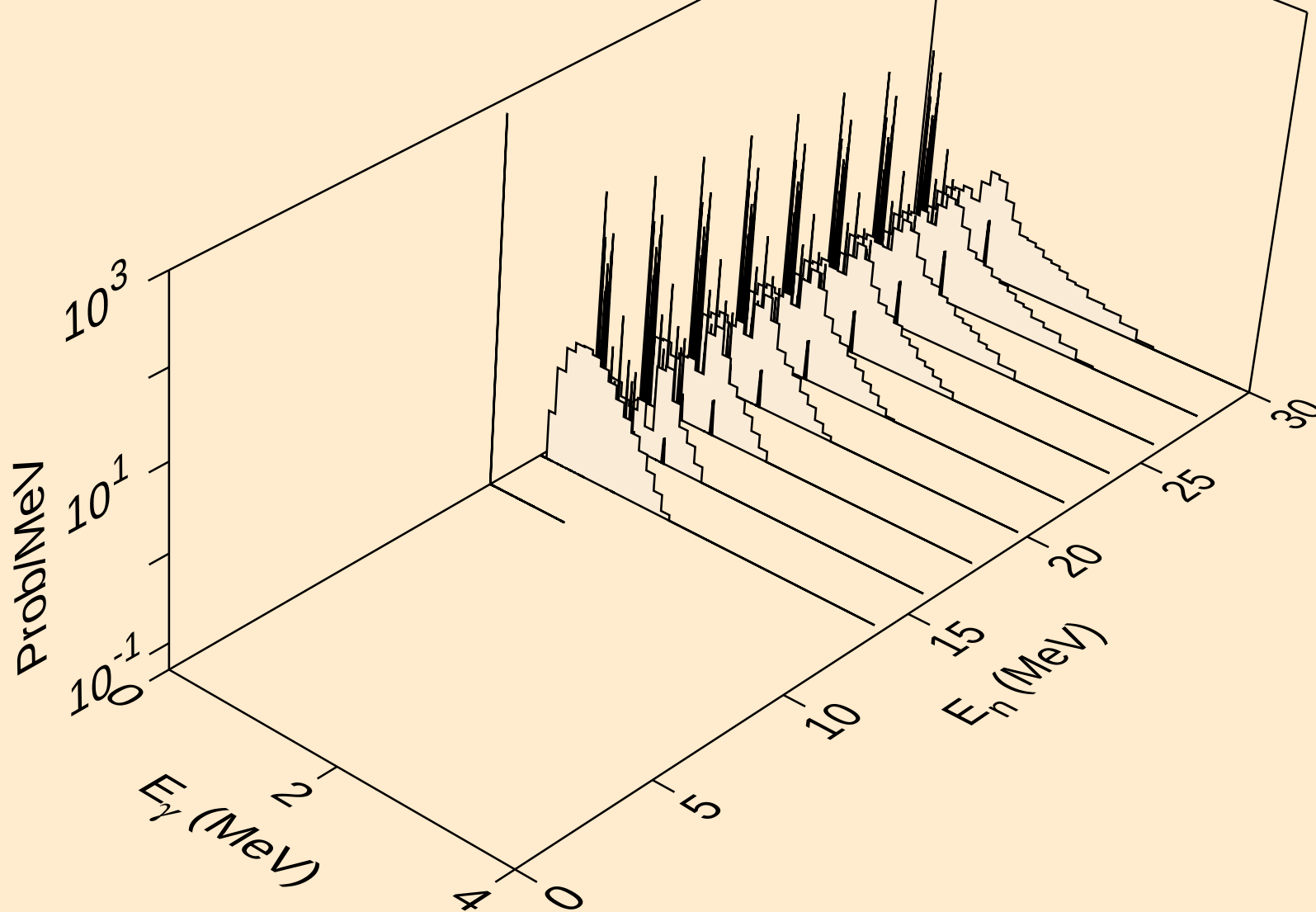
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Photon emission for (n,2a)



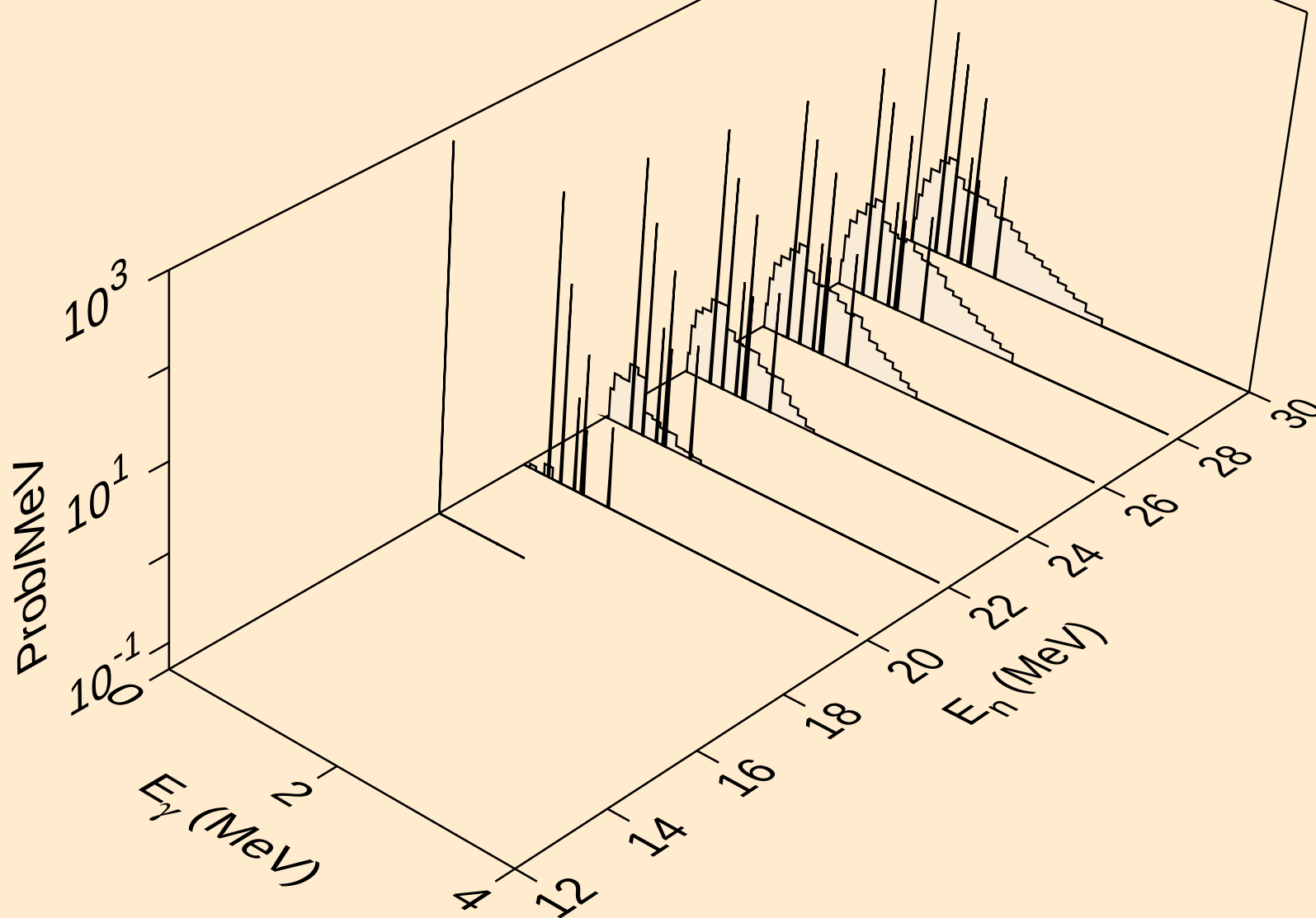
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Photon emission for (n,2p)



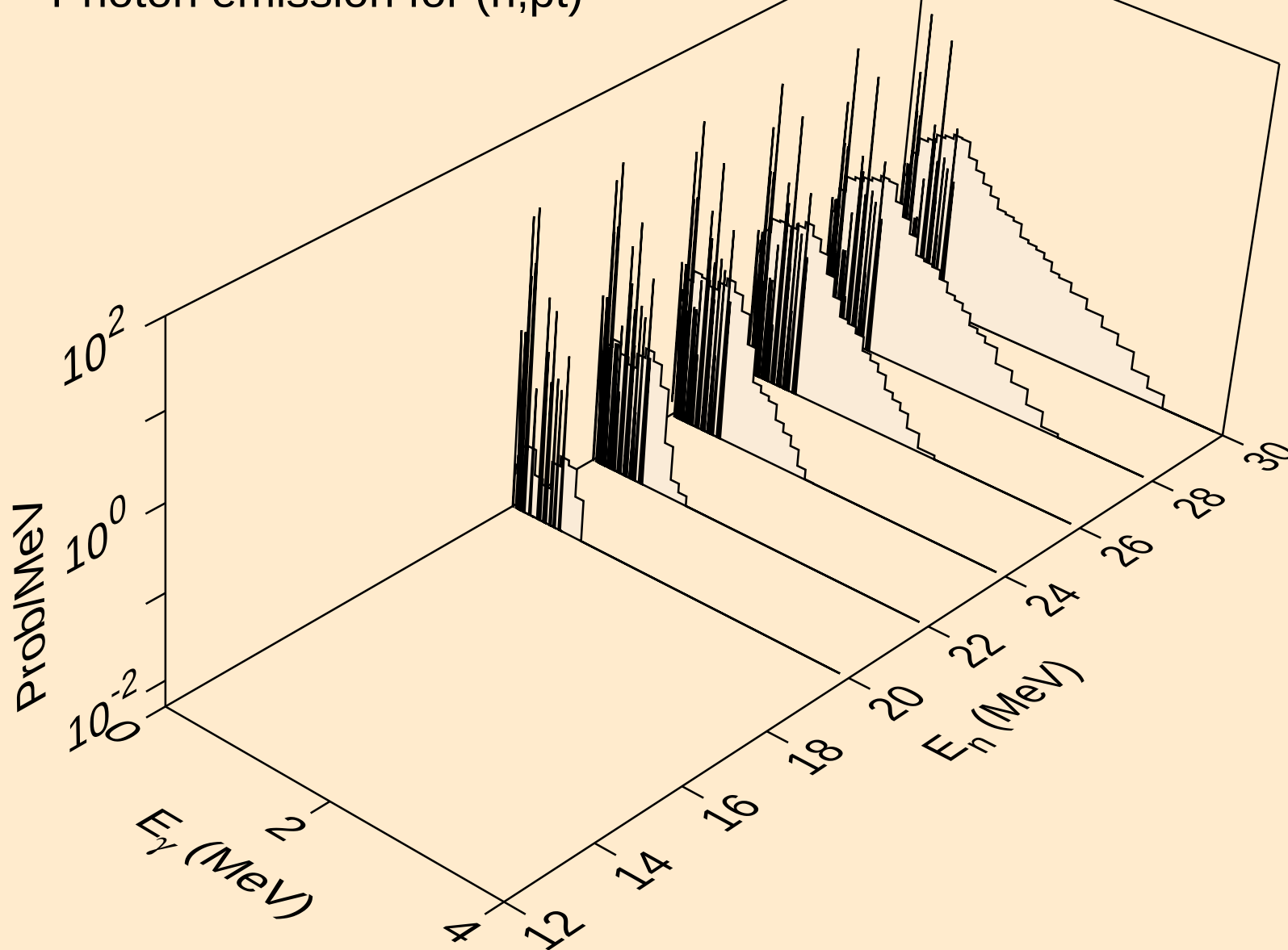
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Photon emission for (n,p $\alpha$ )



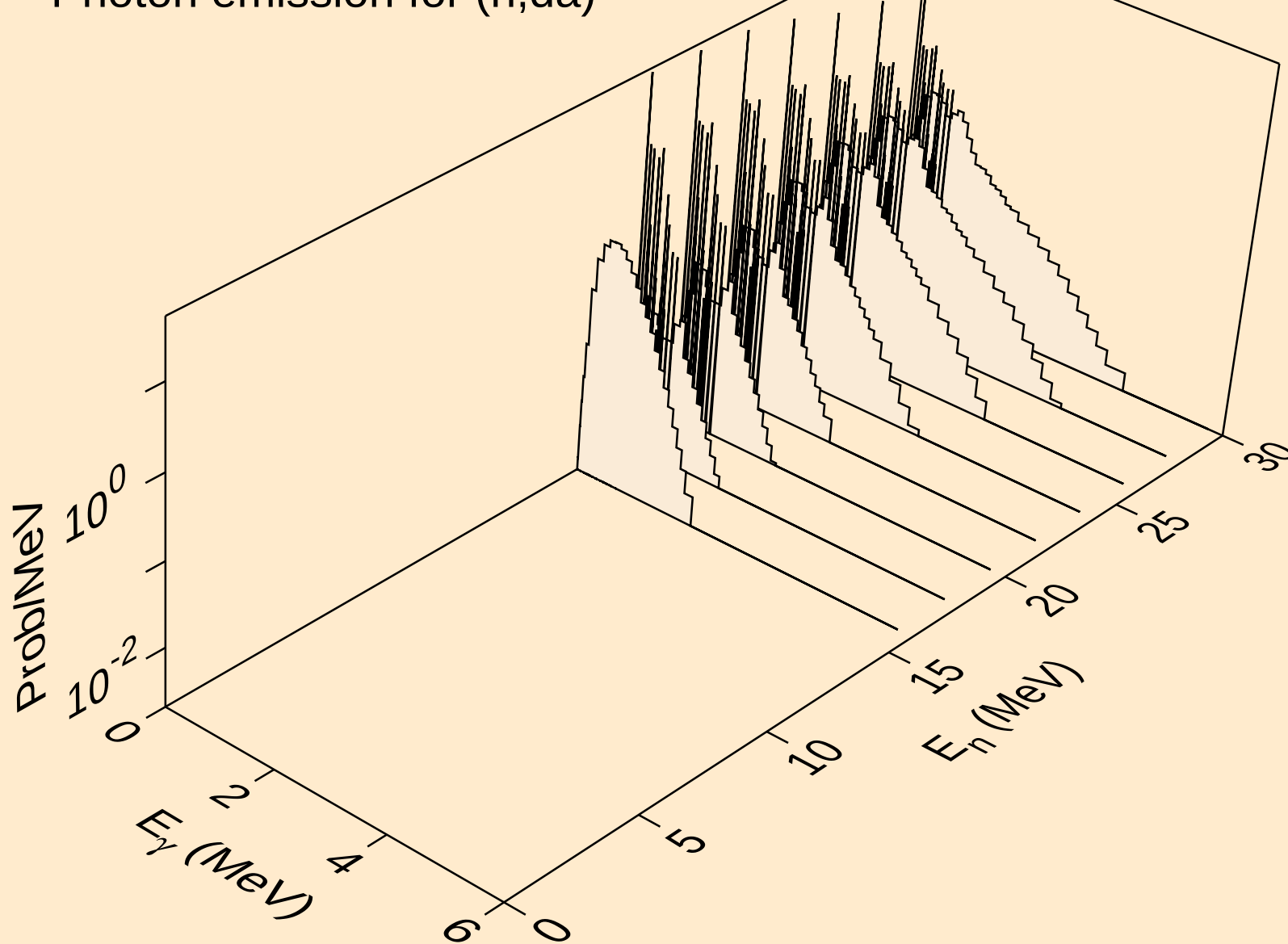
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Photon emission for (n,pd)



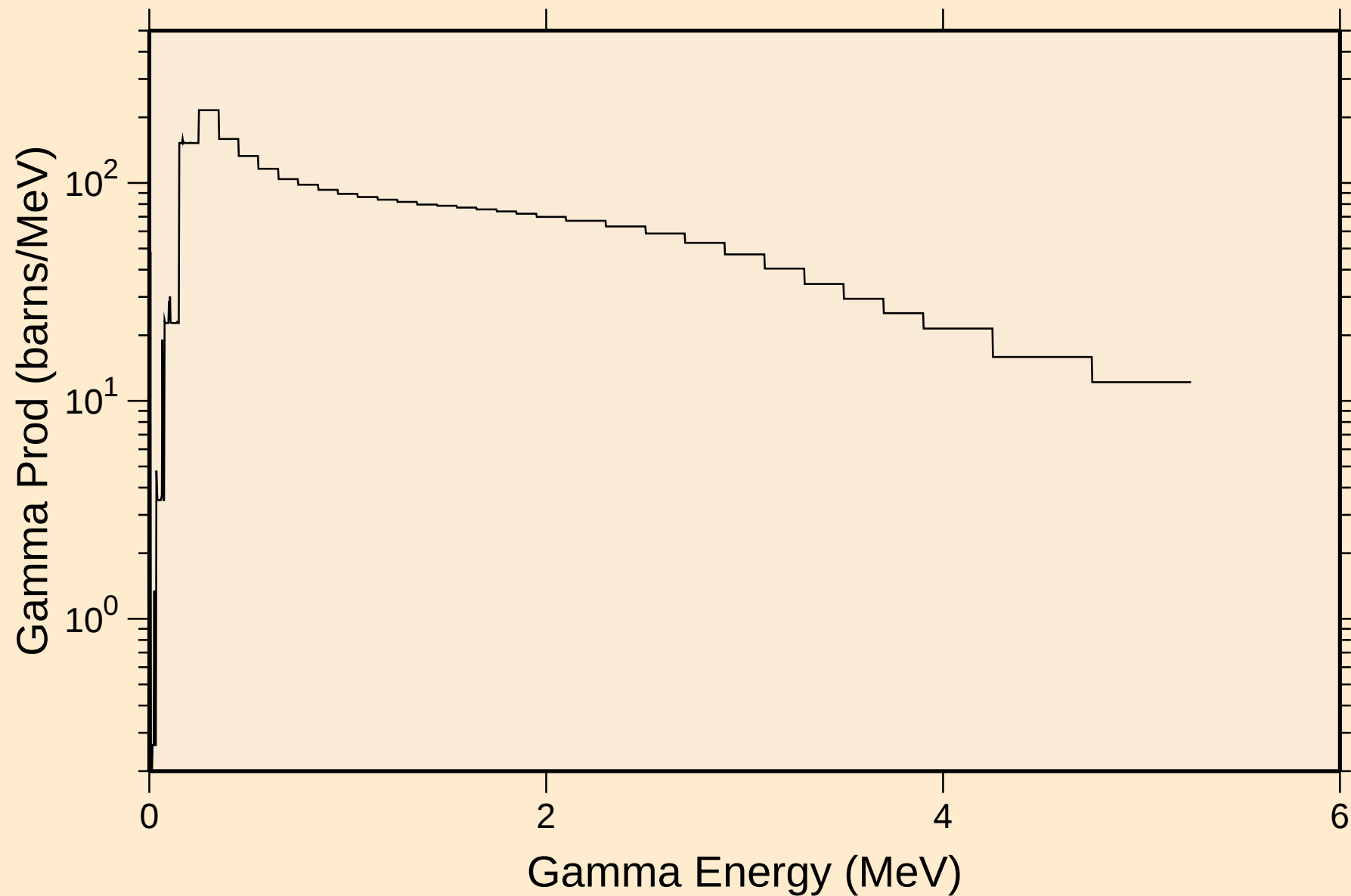
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Photon emission for (n,pt)



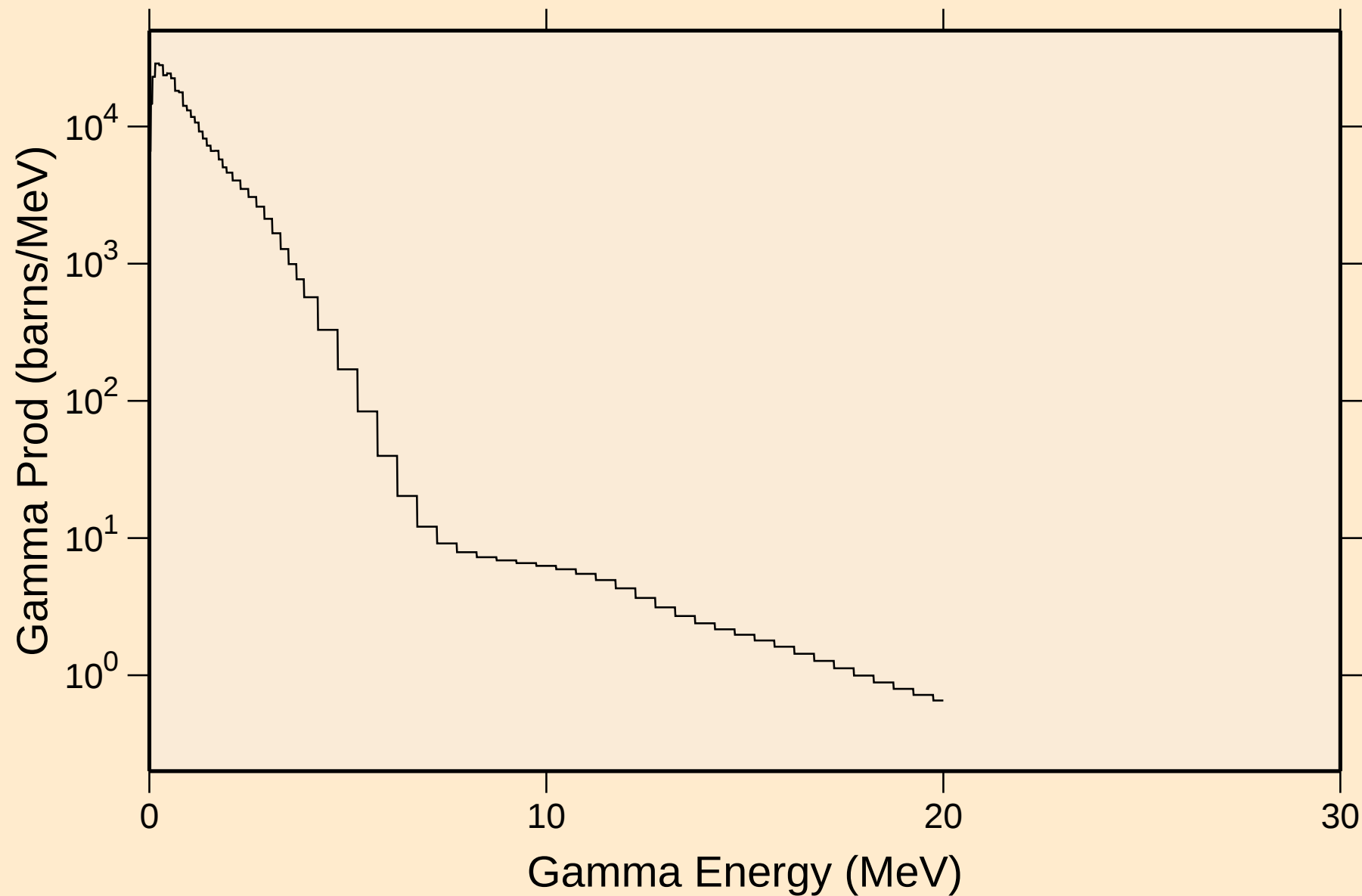
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

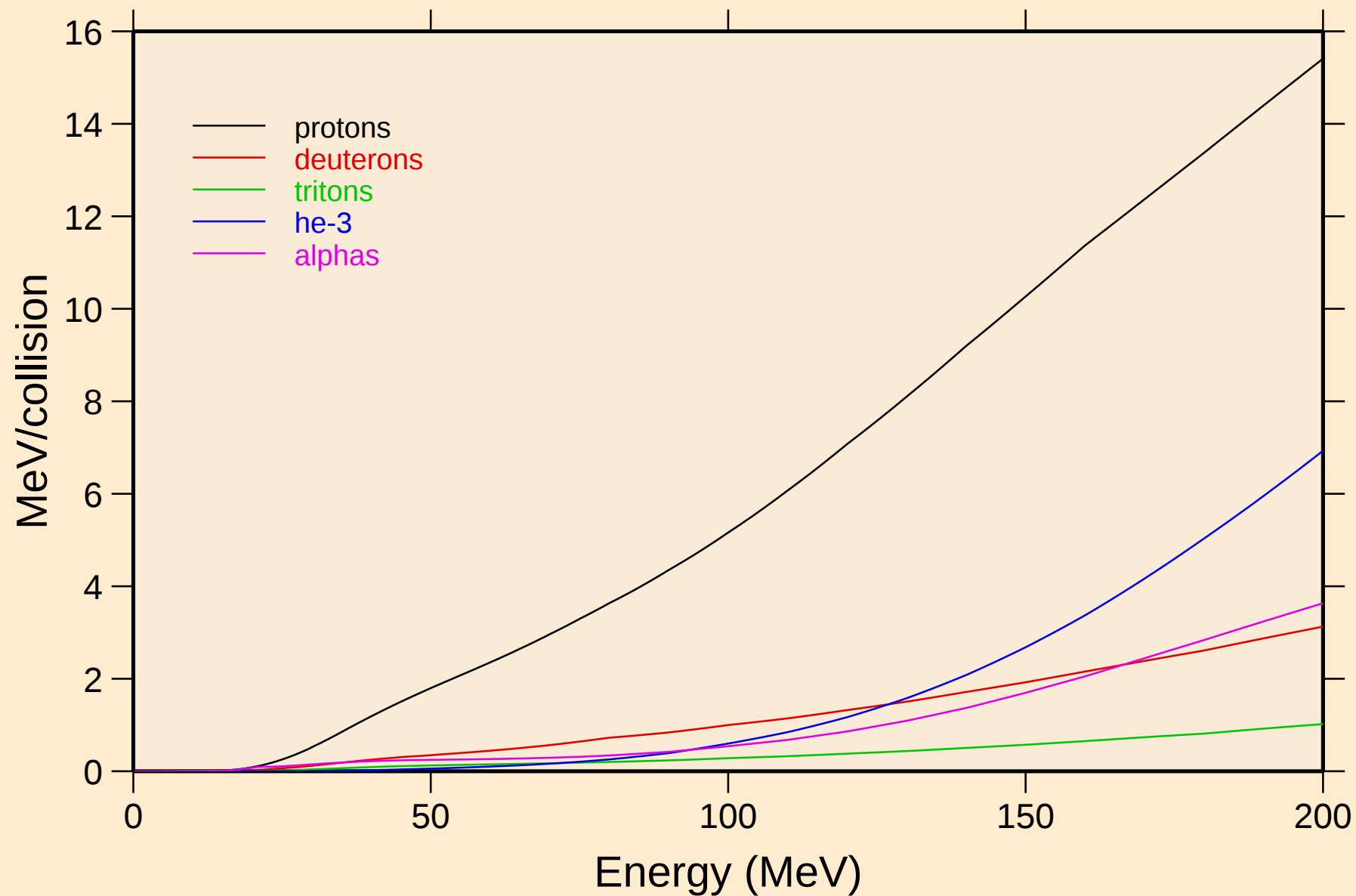


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14 MeV photon spectrum

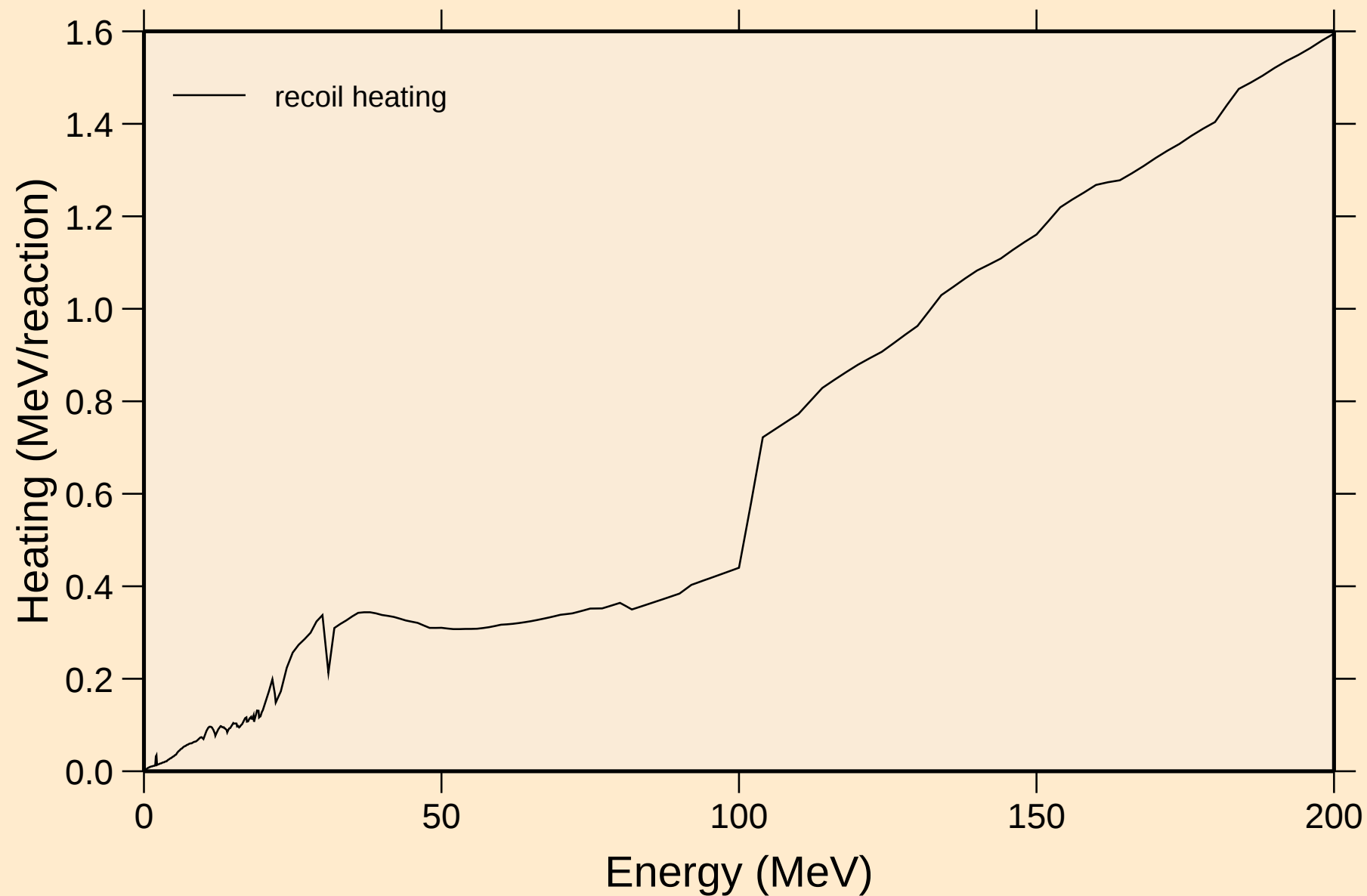


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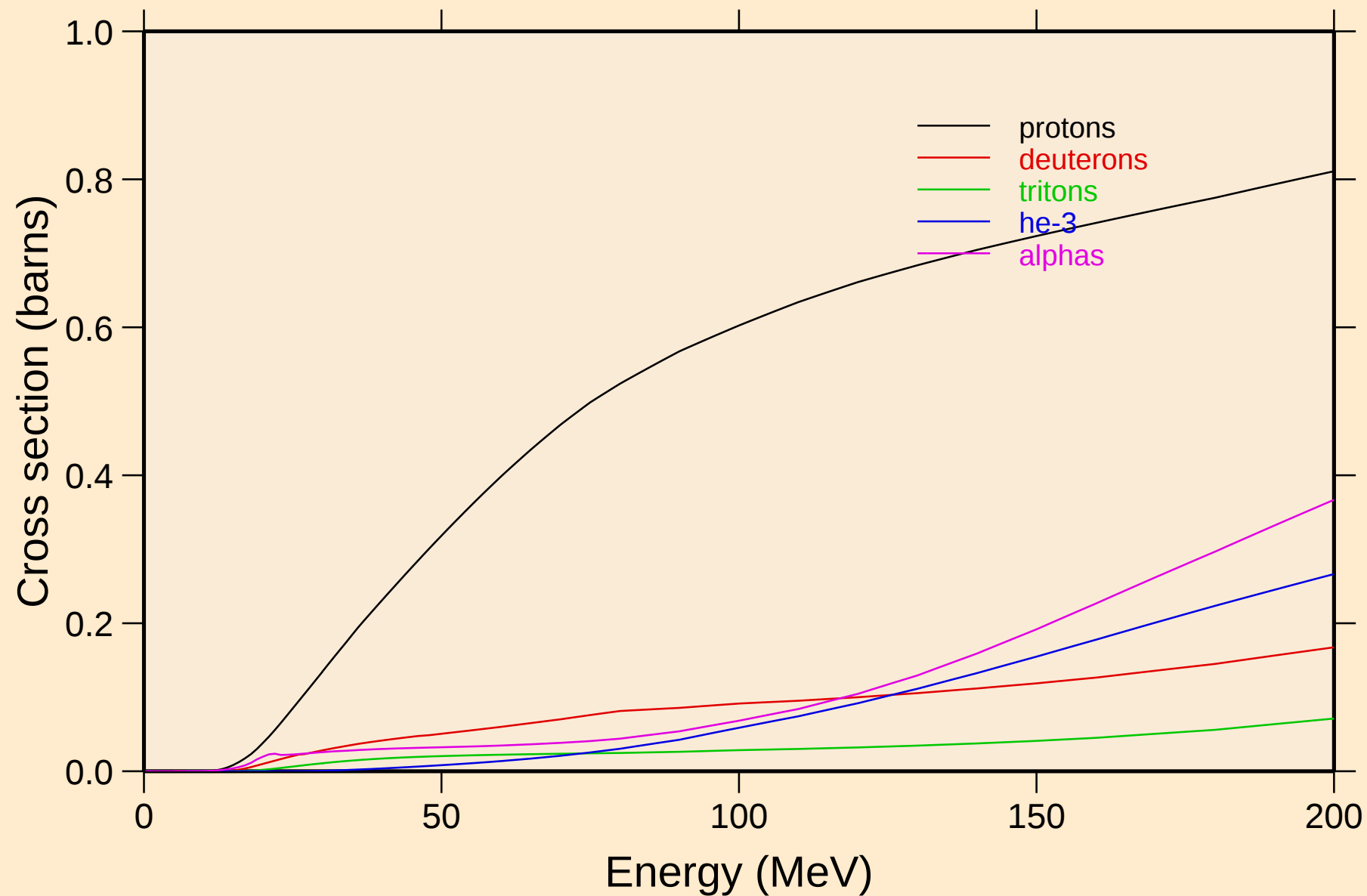
## Particle heating contributions



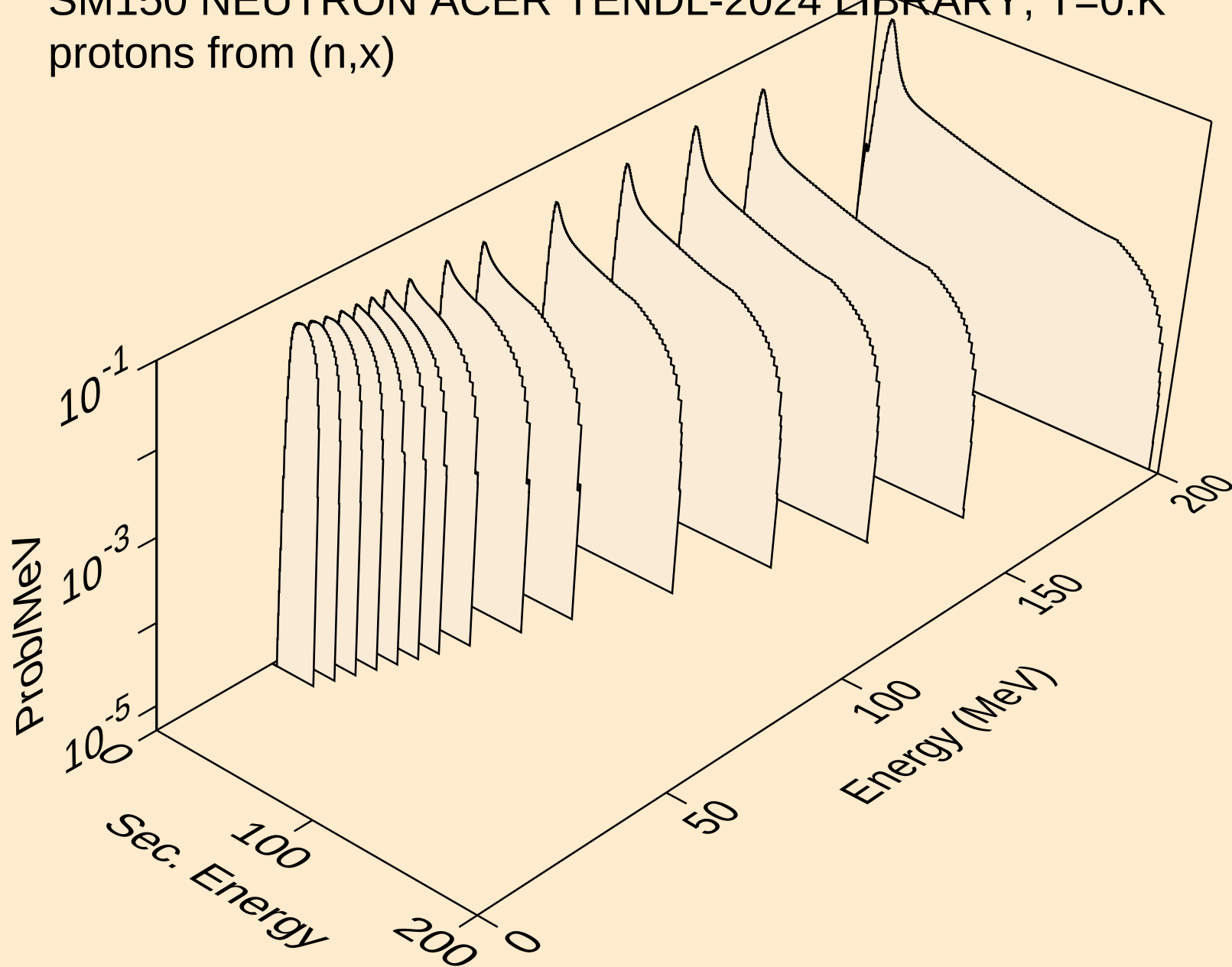
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Recoil Heating



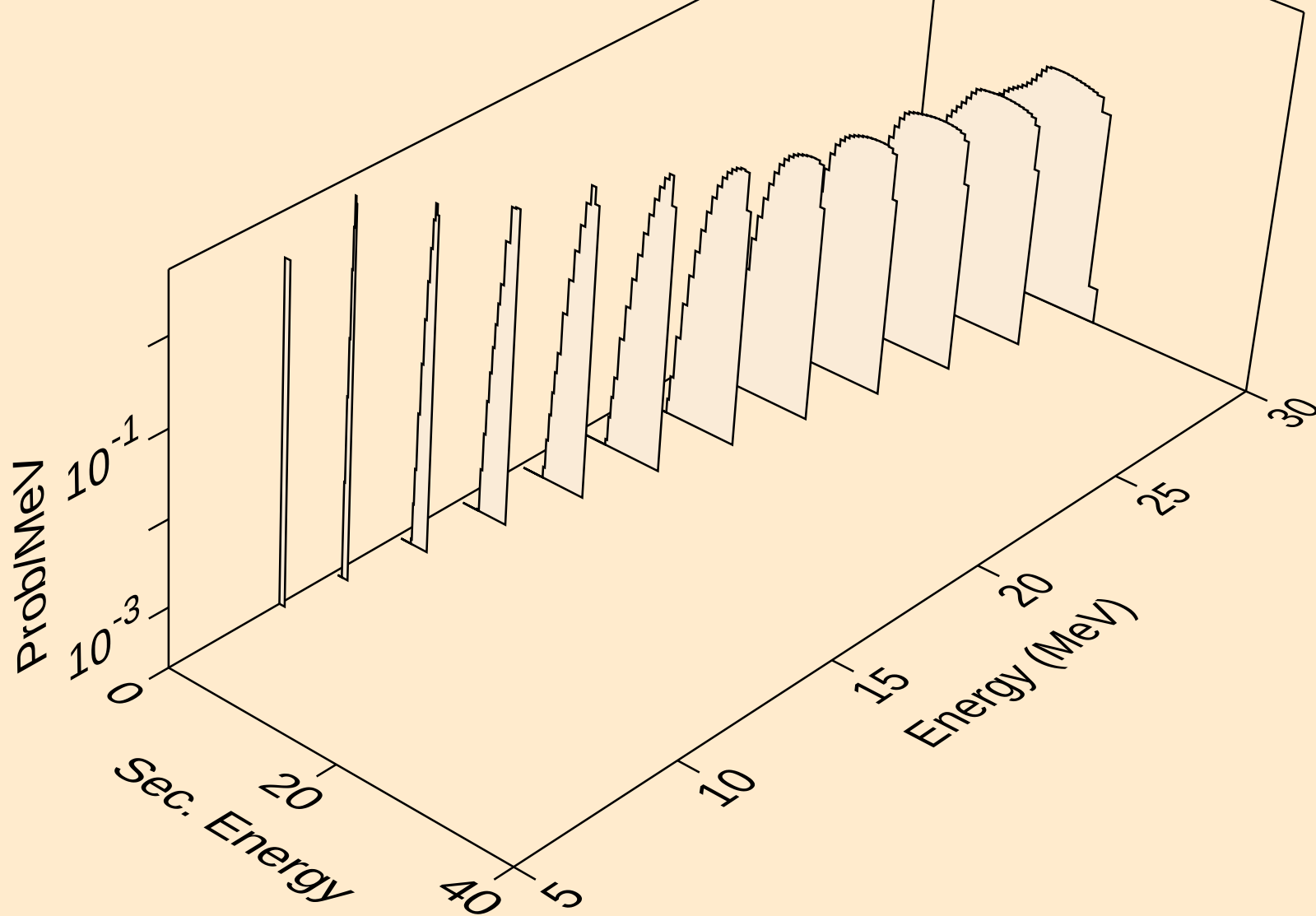
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Particle production cross sections



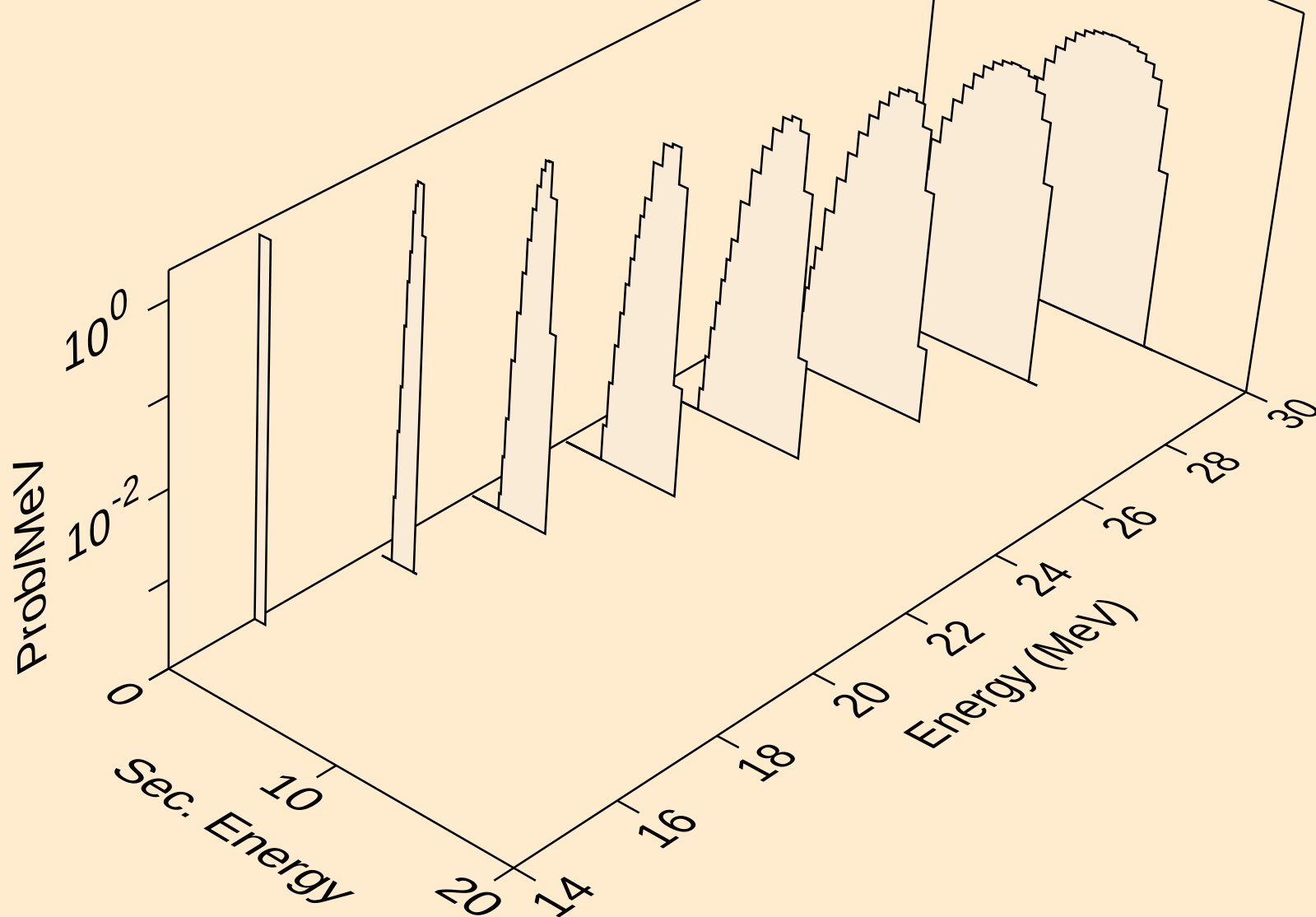
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protons from (n,x)



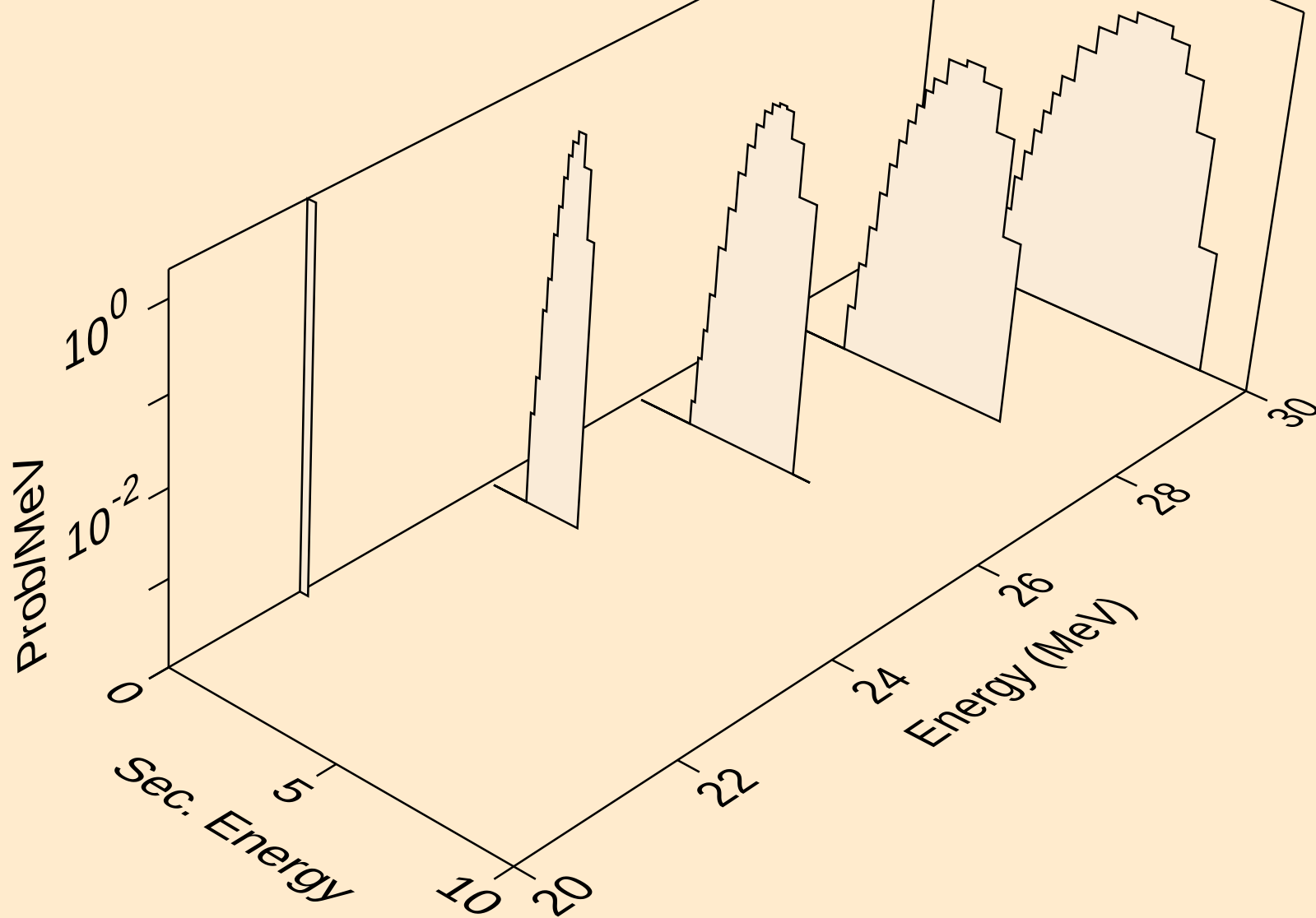
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protons from (n,n\*)p



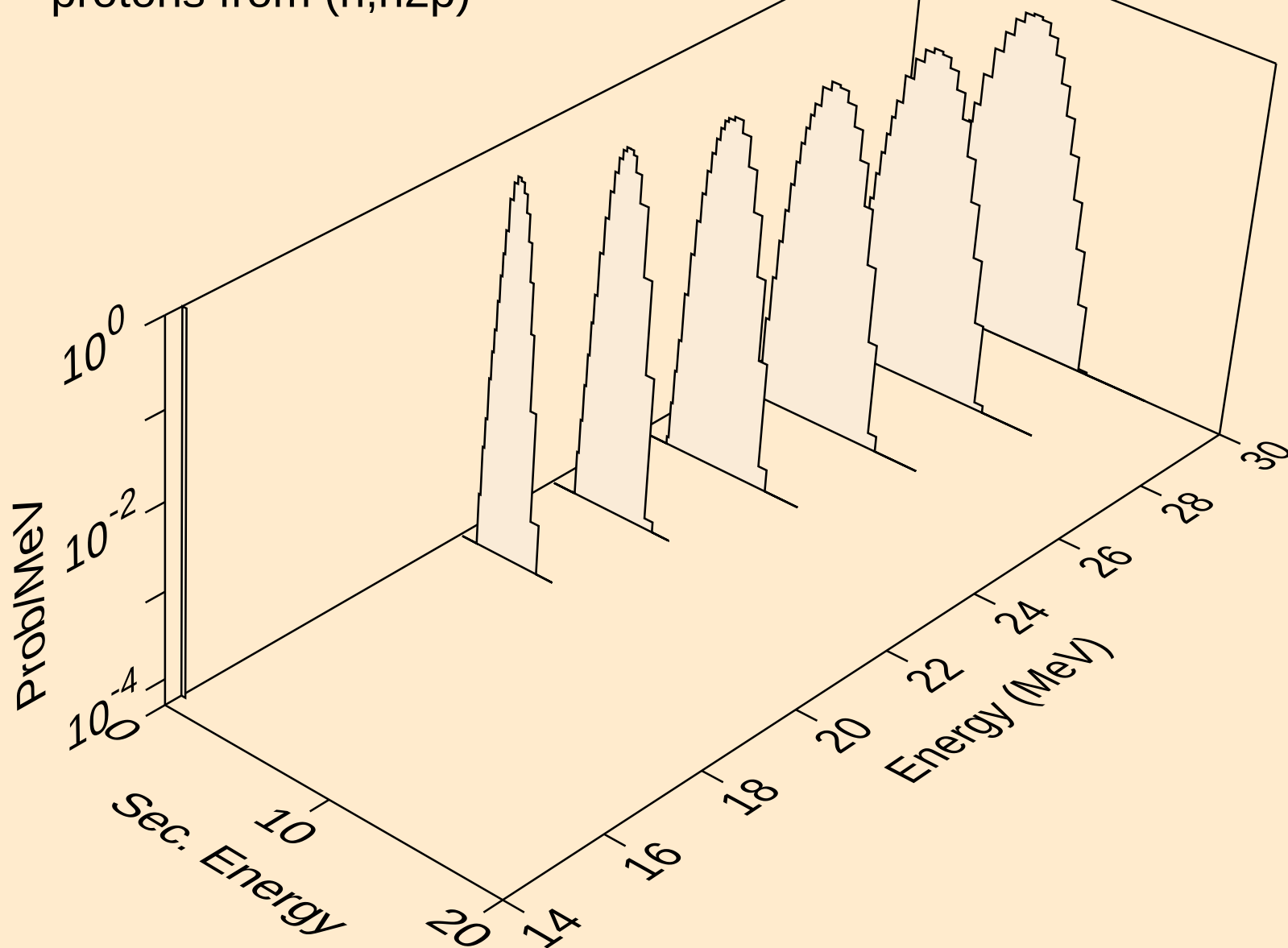
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protons from (n,2np)



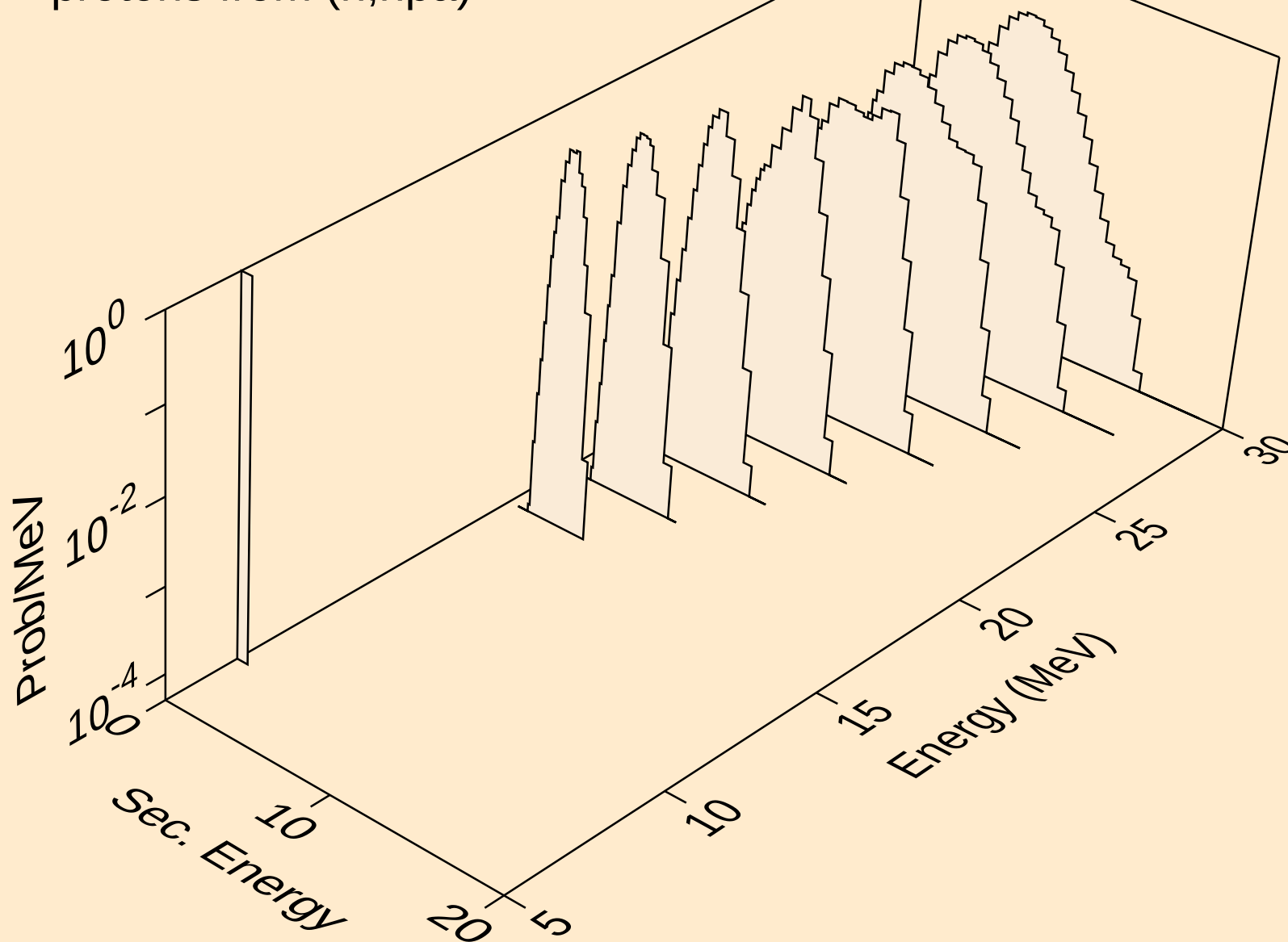
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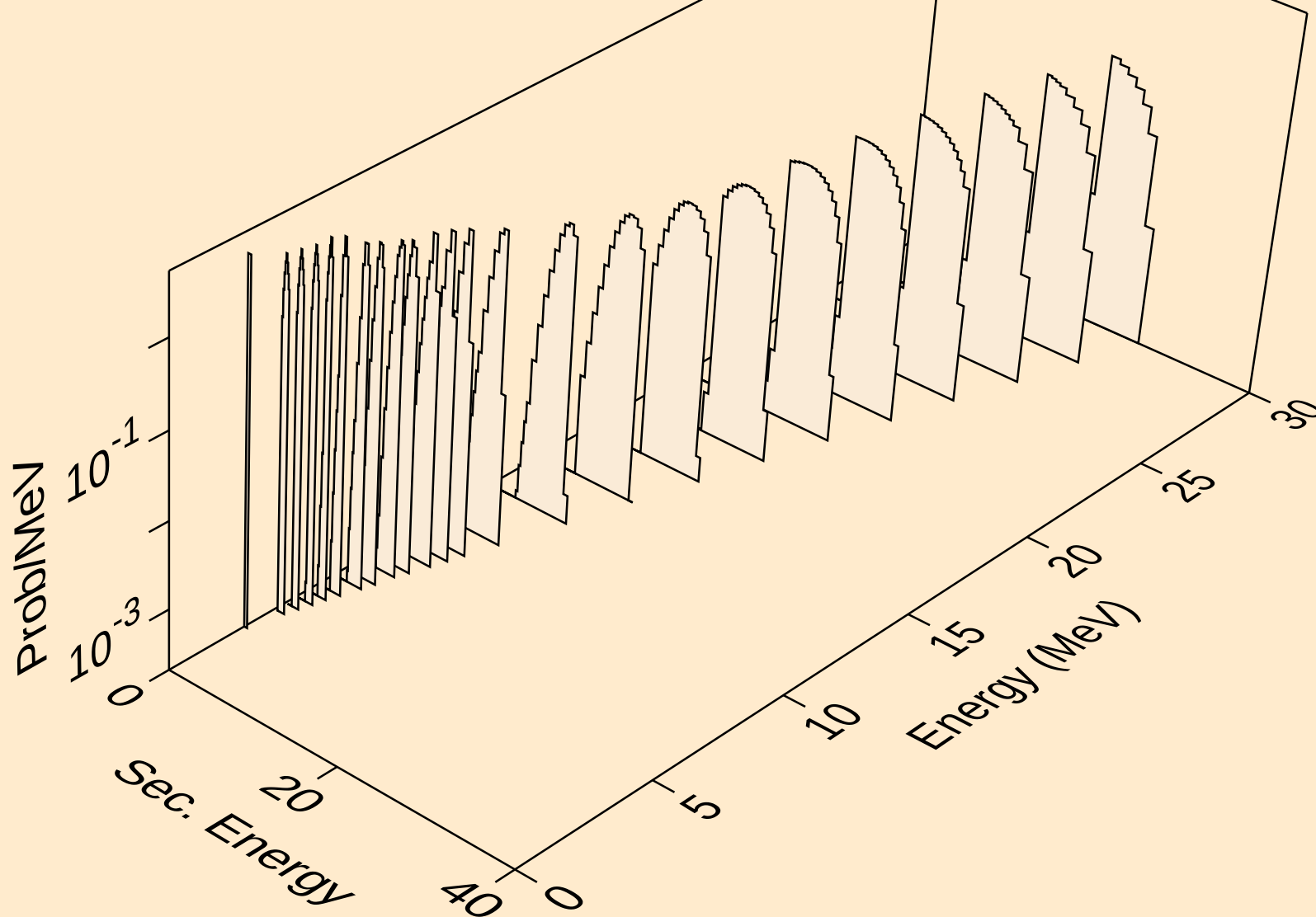
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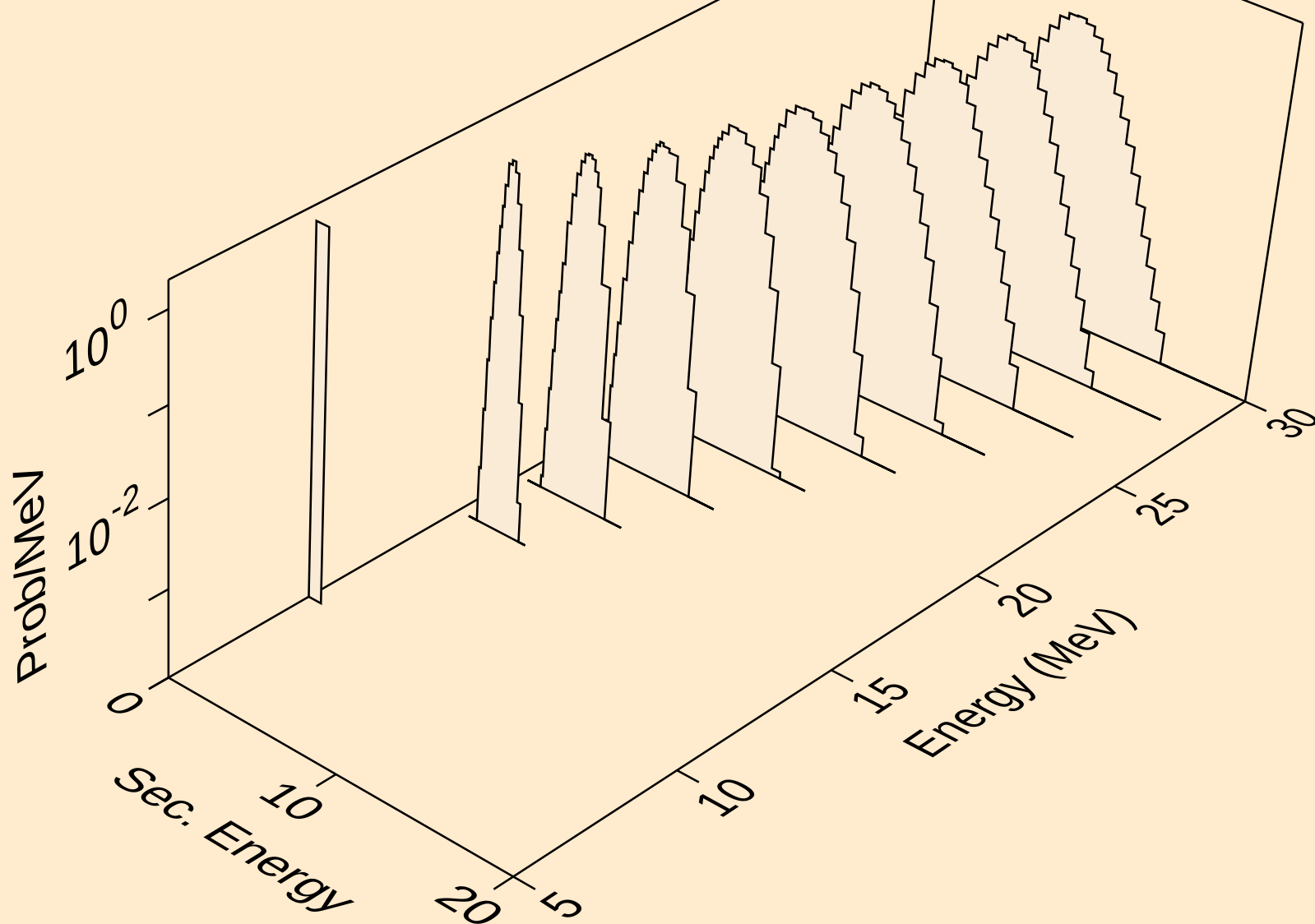
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protons from (n,npa)



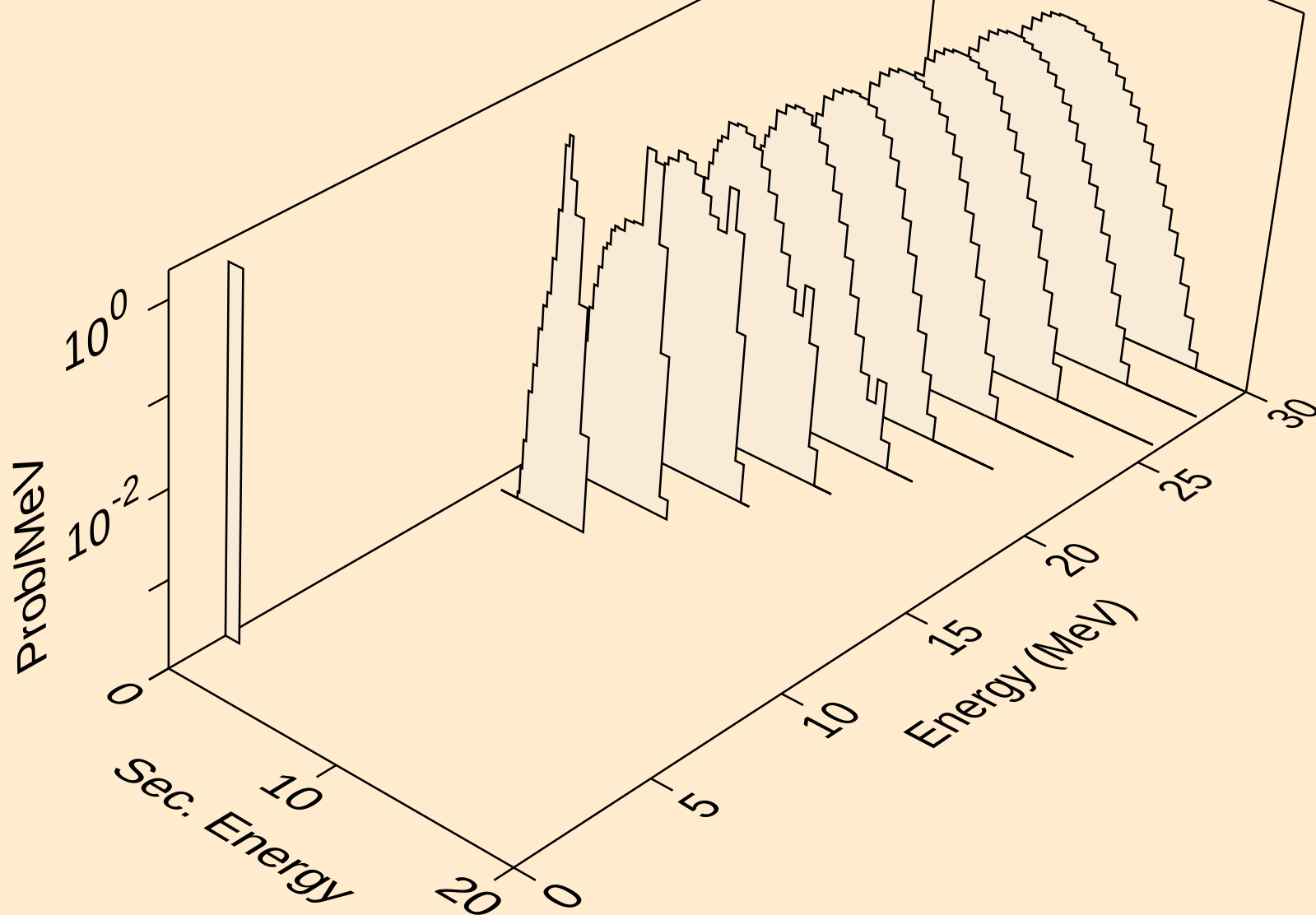
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protons from (n,p)



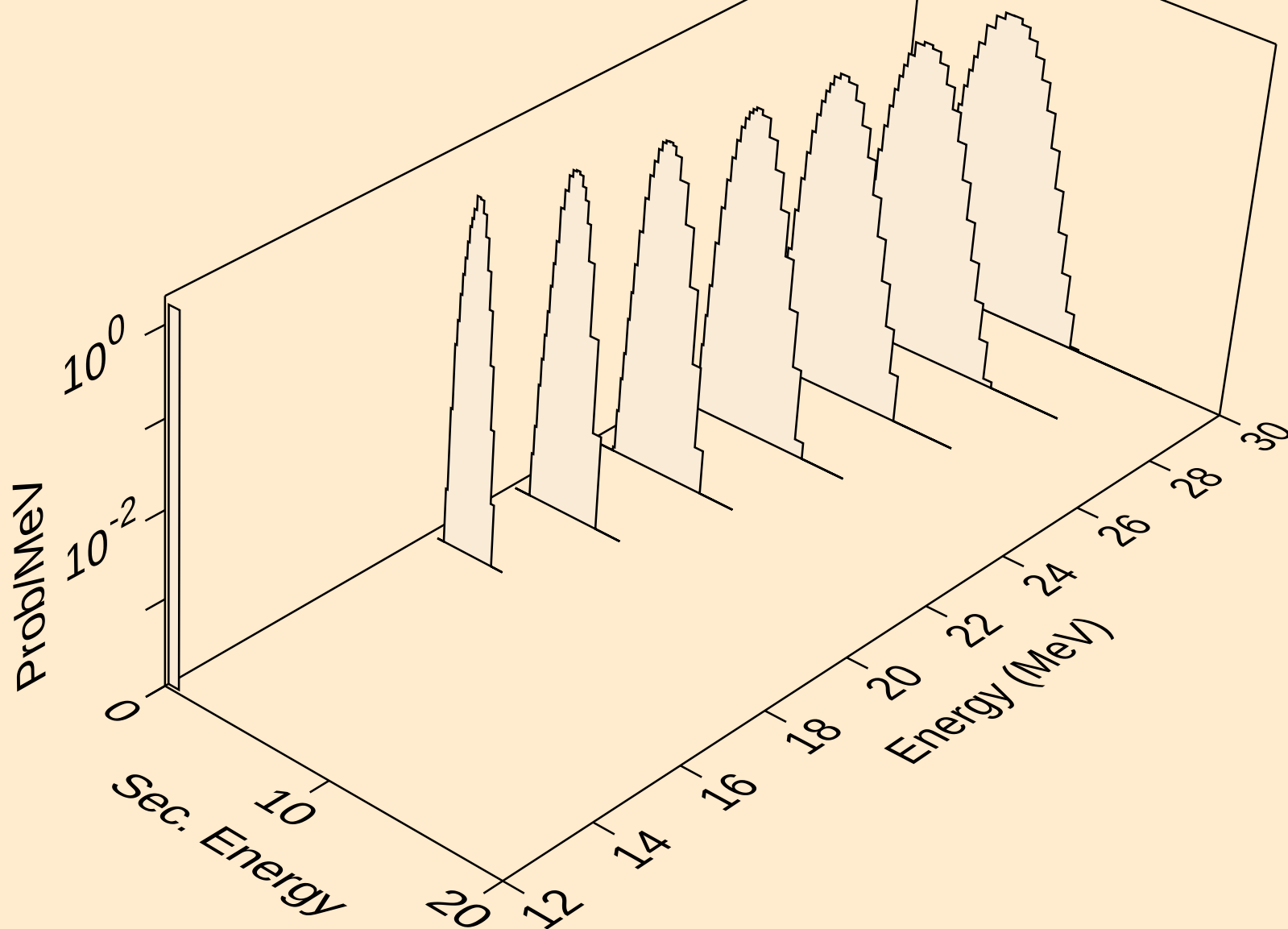
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protons from (n,2p)



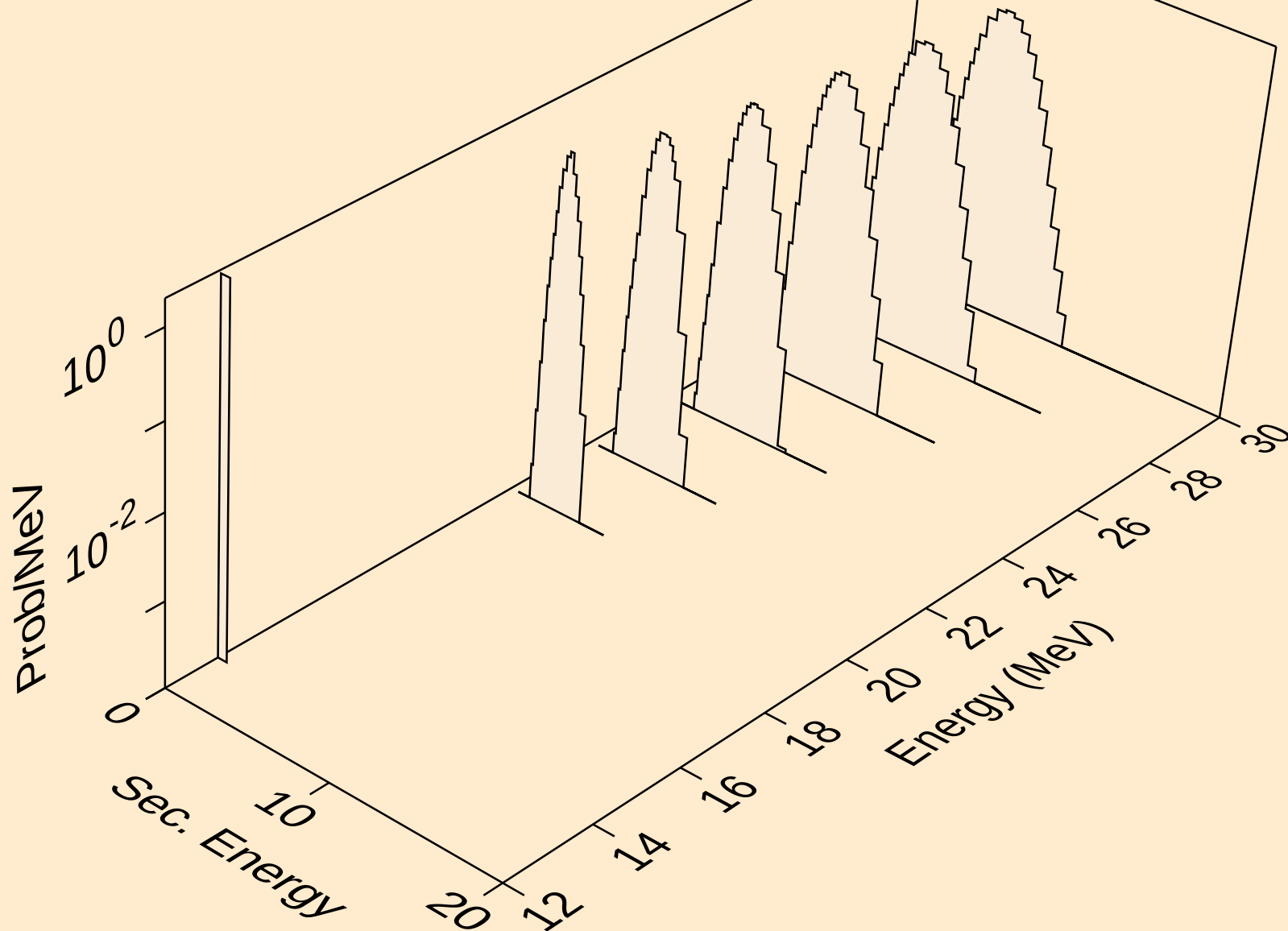
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protons from (n,p)



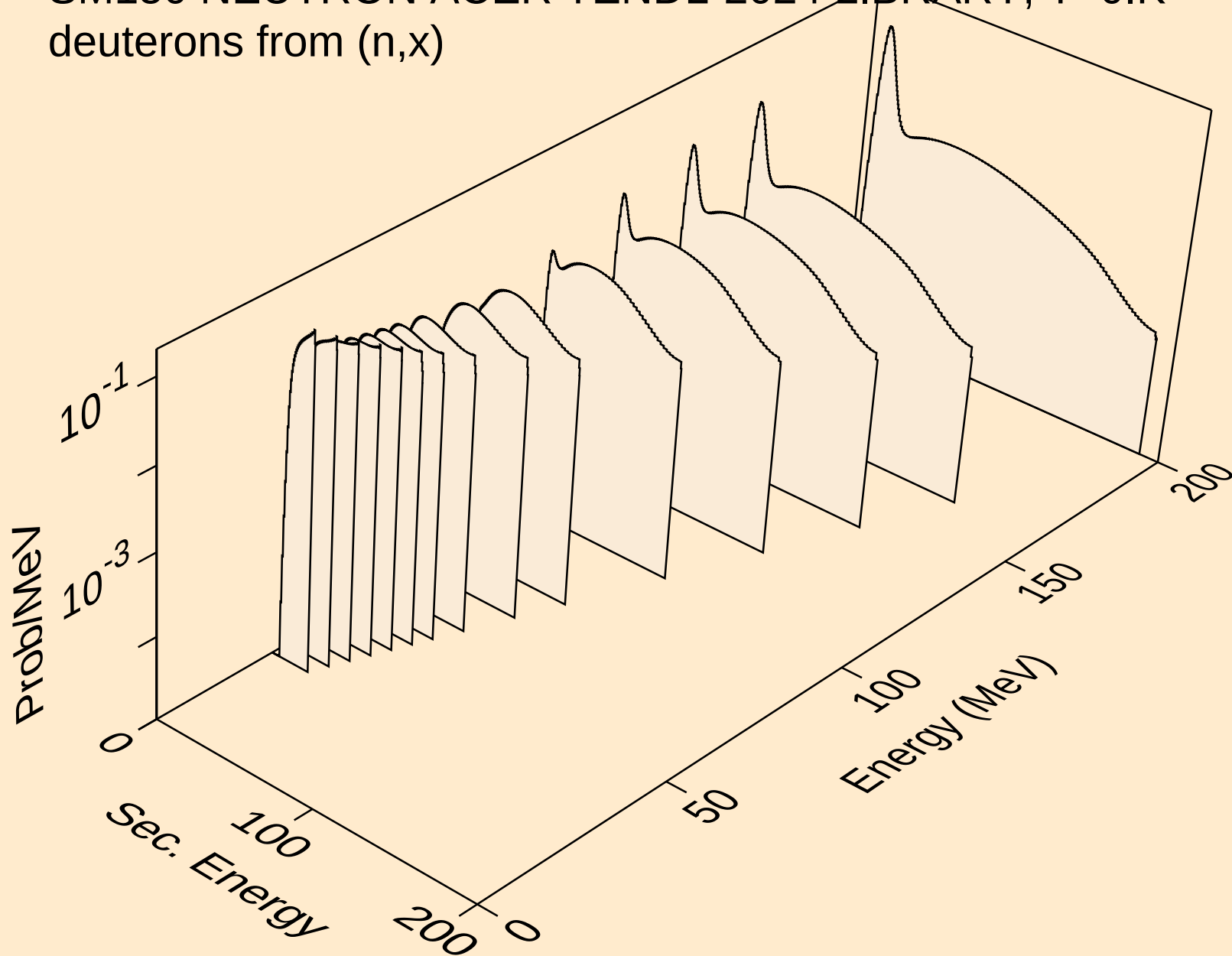
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protons from (n,pd)



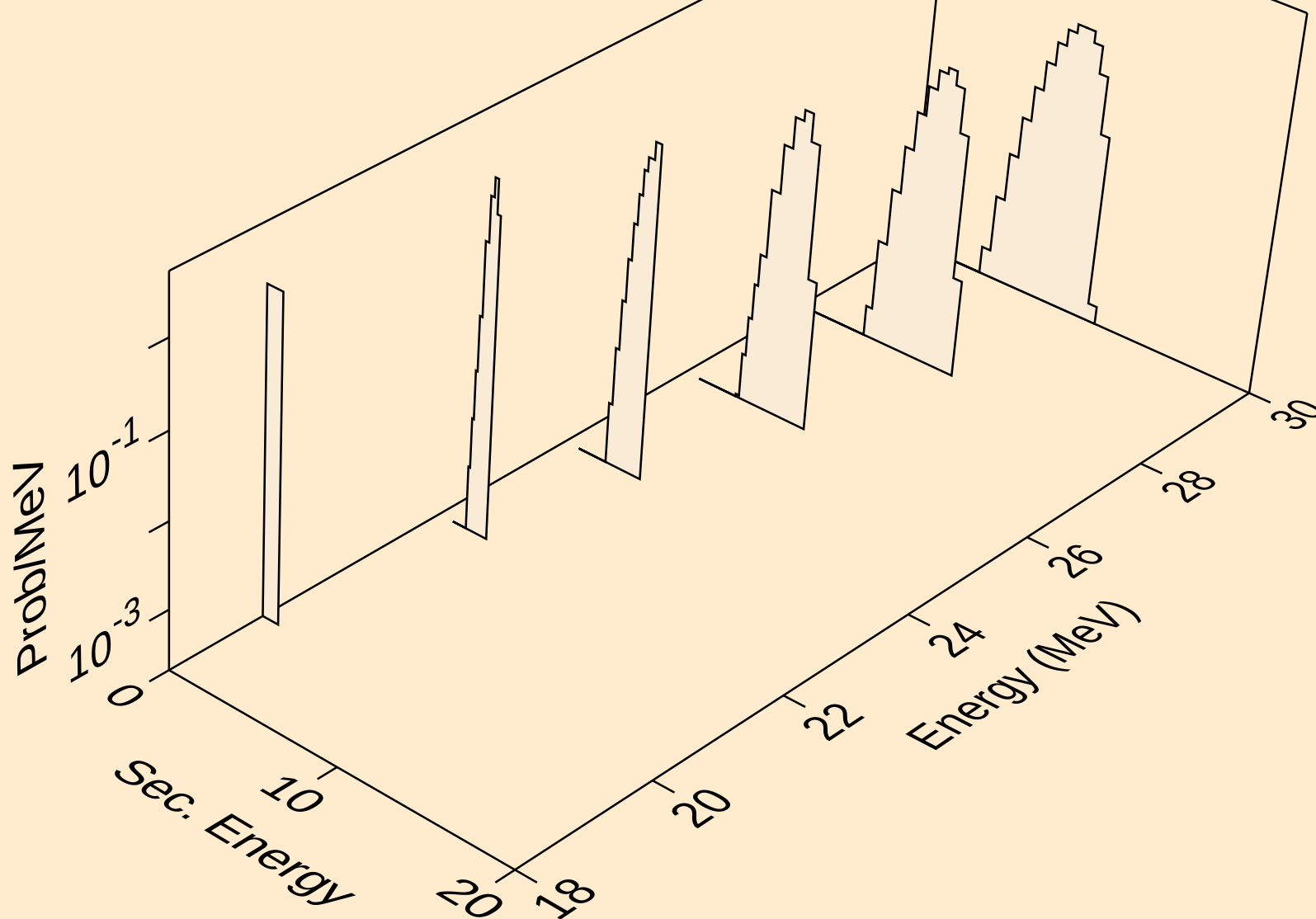
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protons from (n,pt)



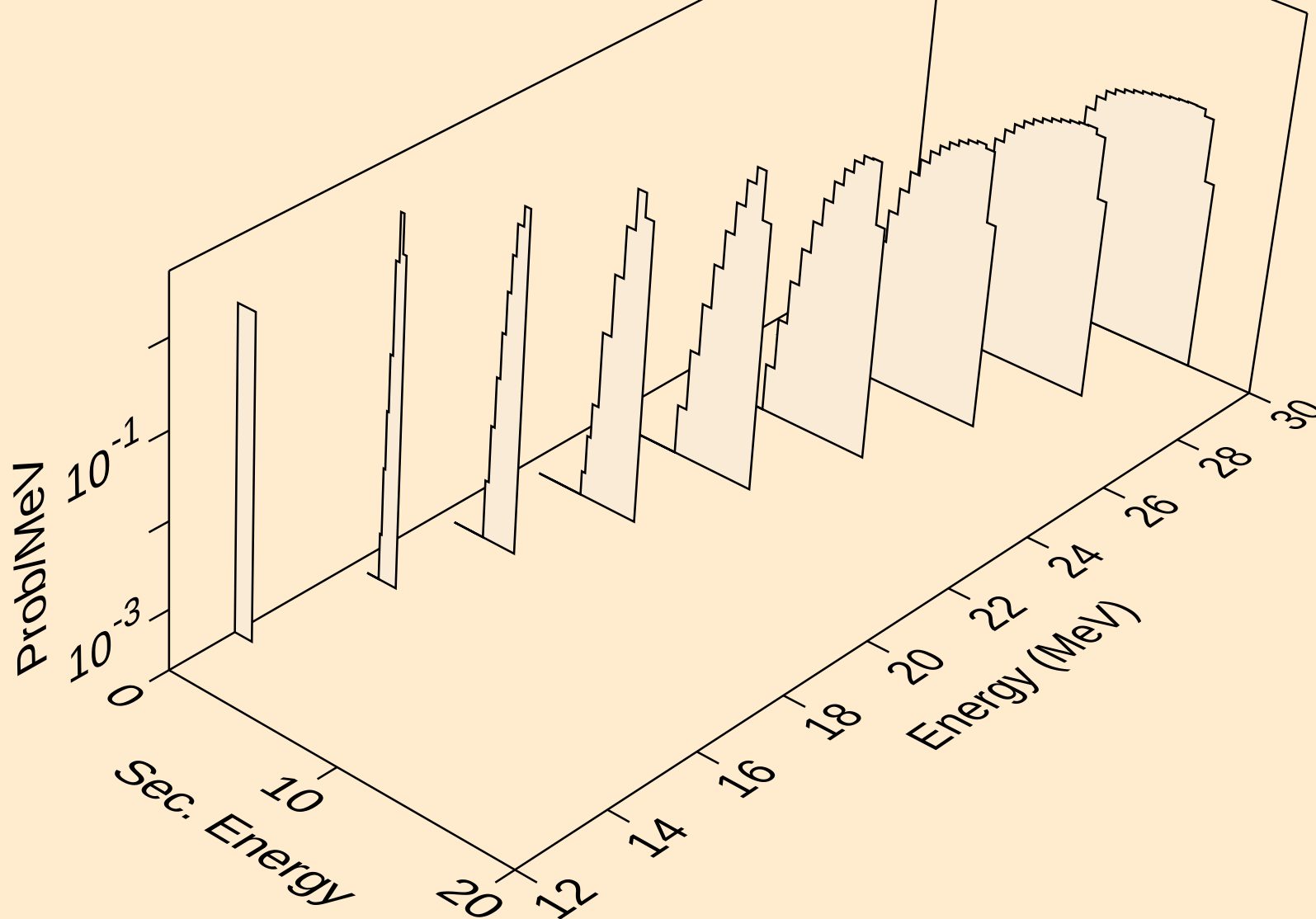
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deuterons from (n,x)



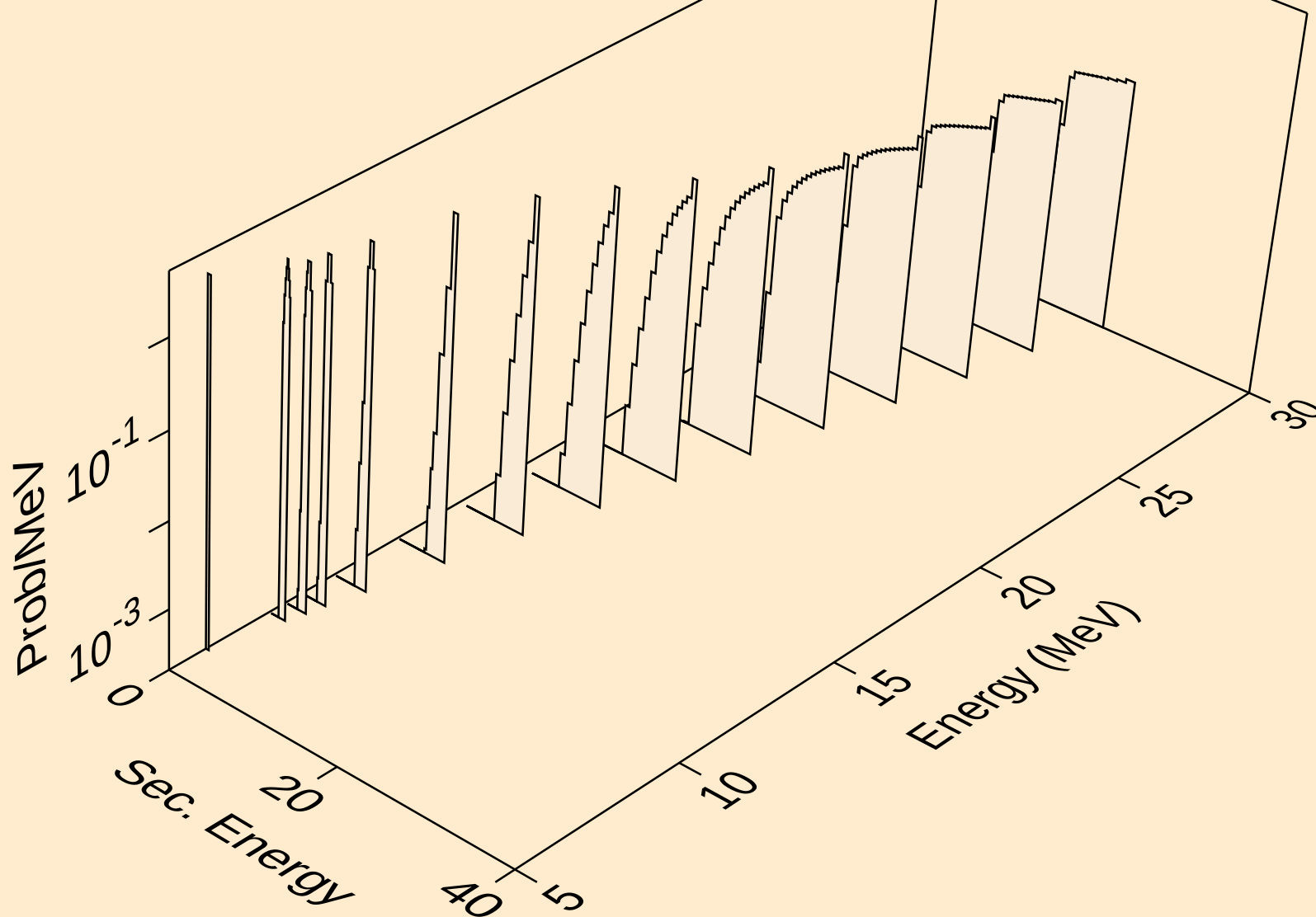
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deuterons from (n,2nd)



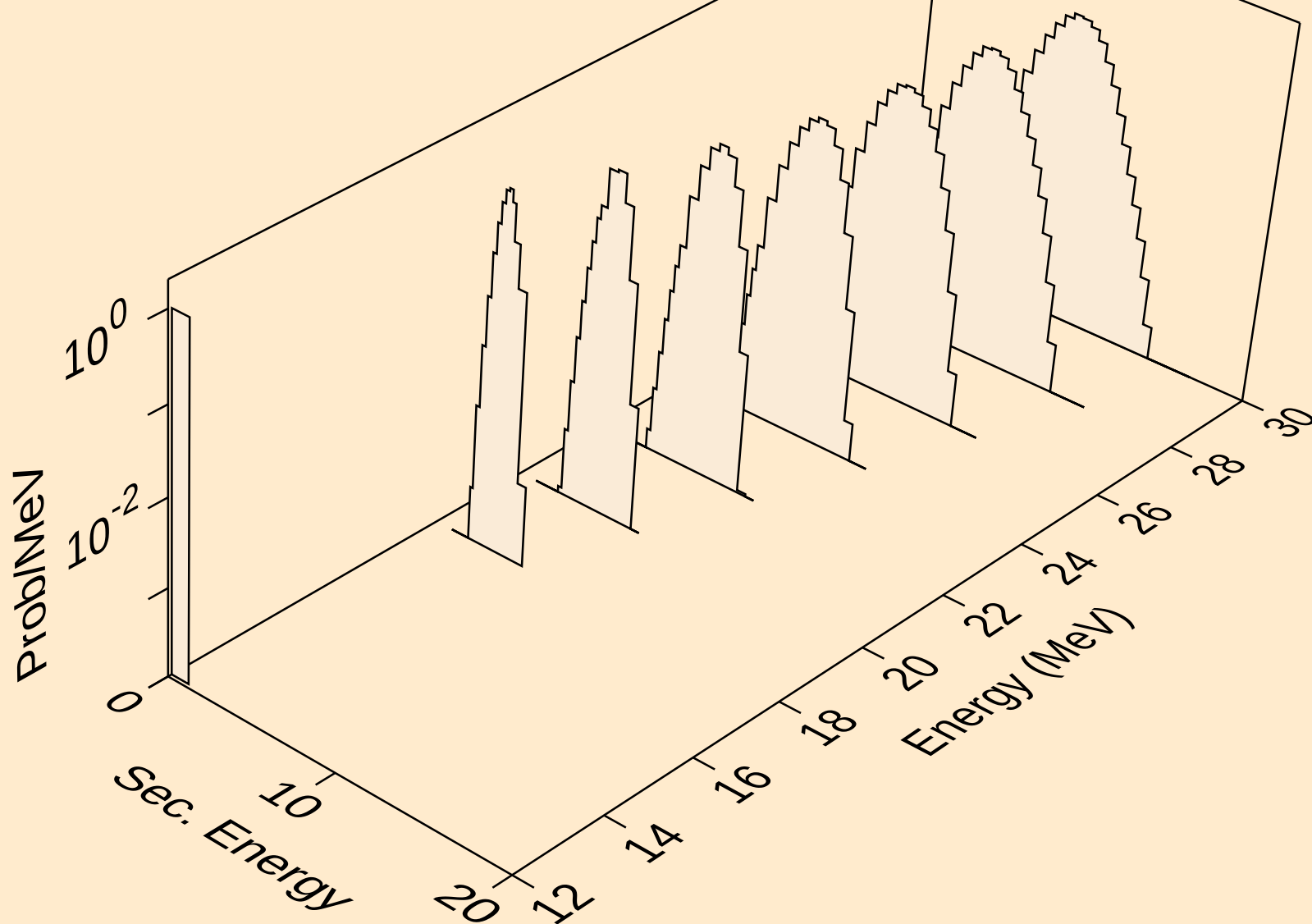
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deuterons from (n,n\*)d



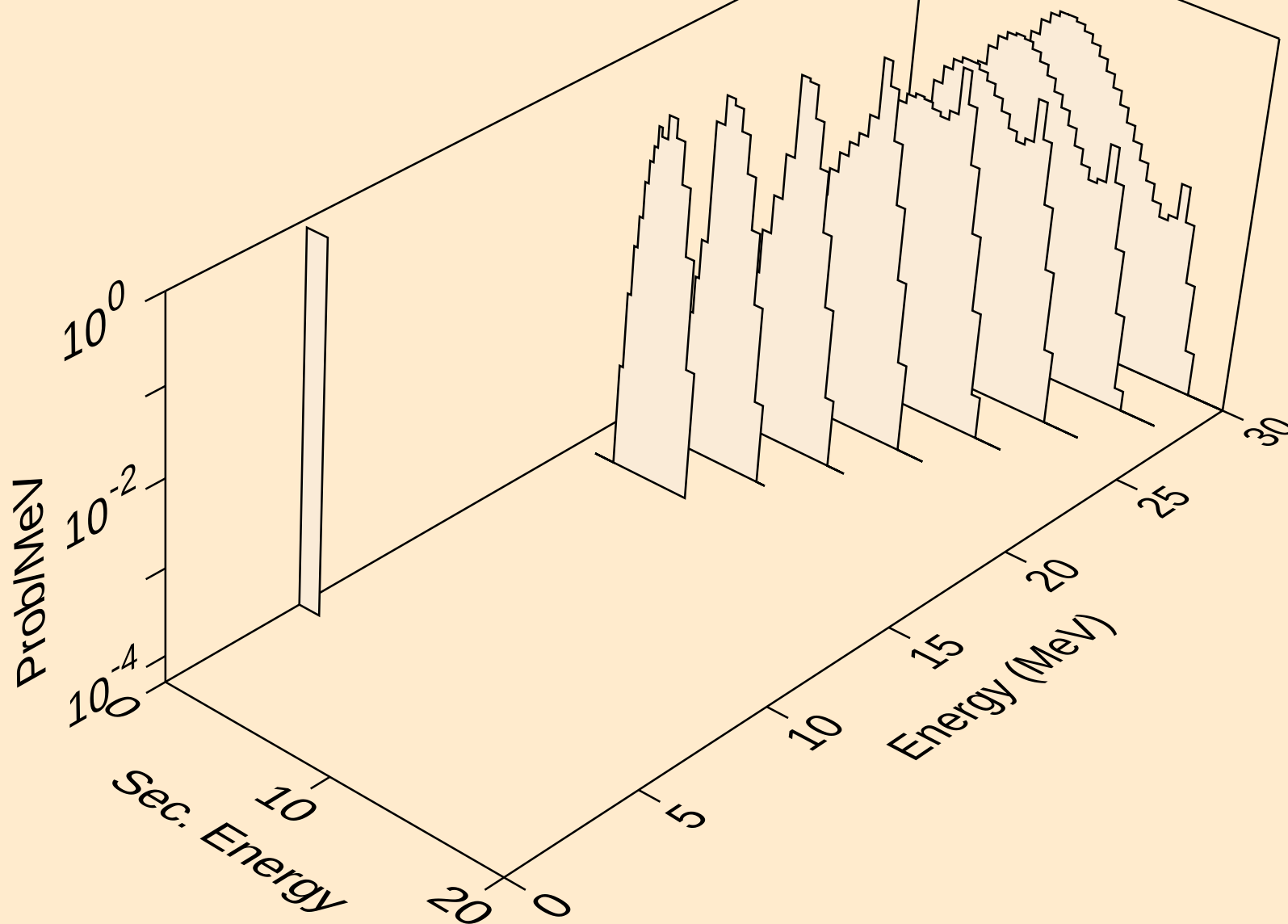
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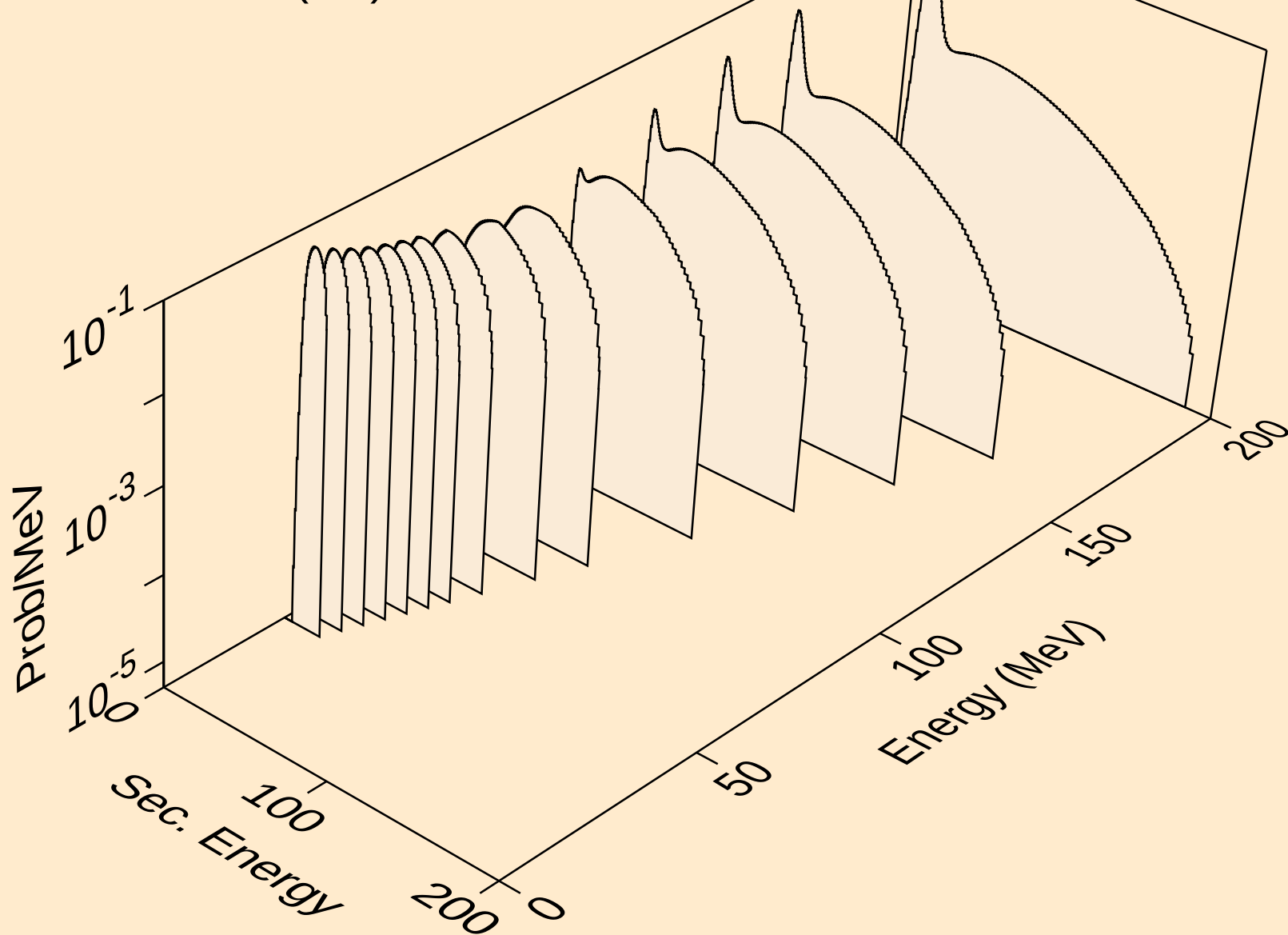
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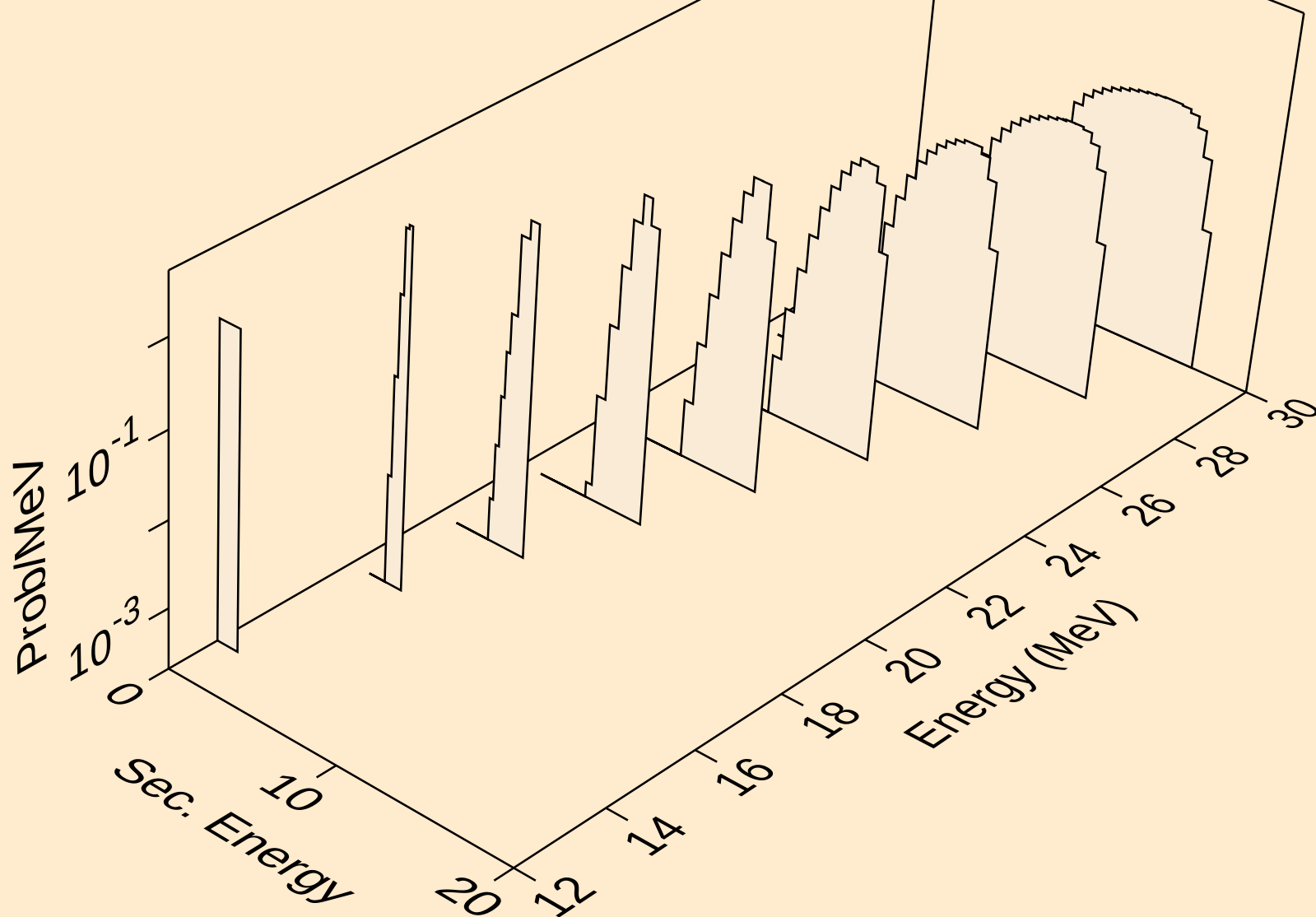
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deuterons from (n,da)



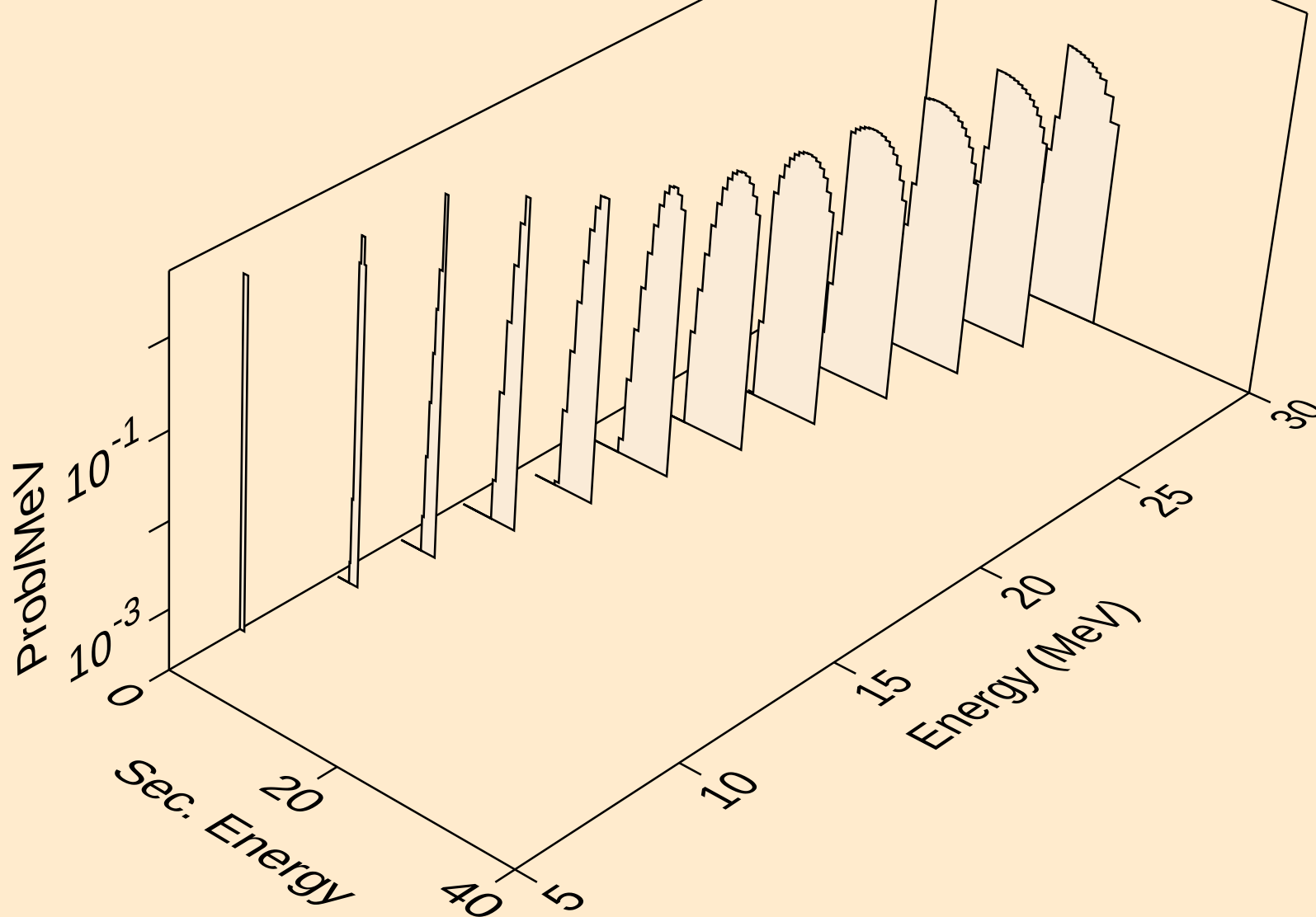
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tritons from (n,x)



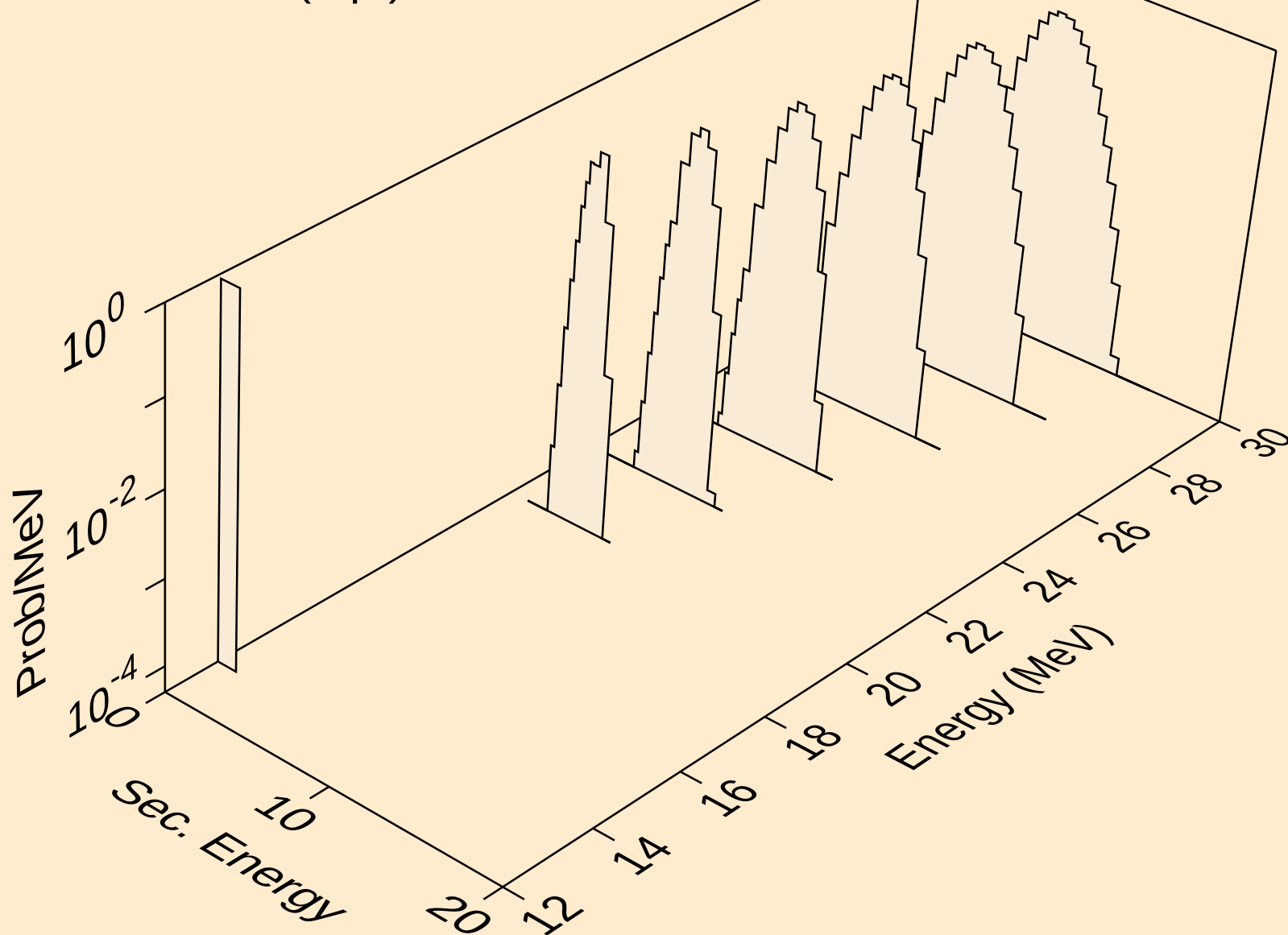
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



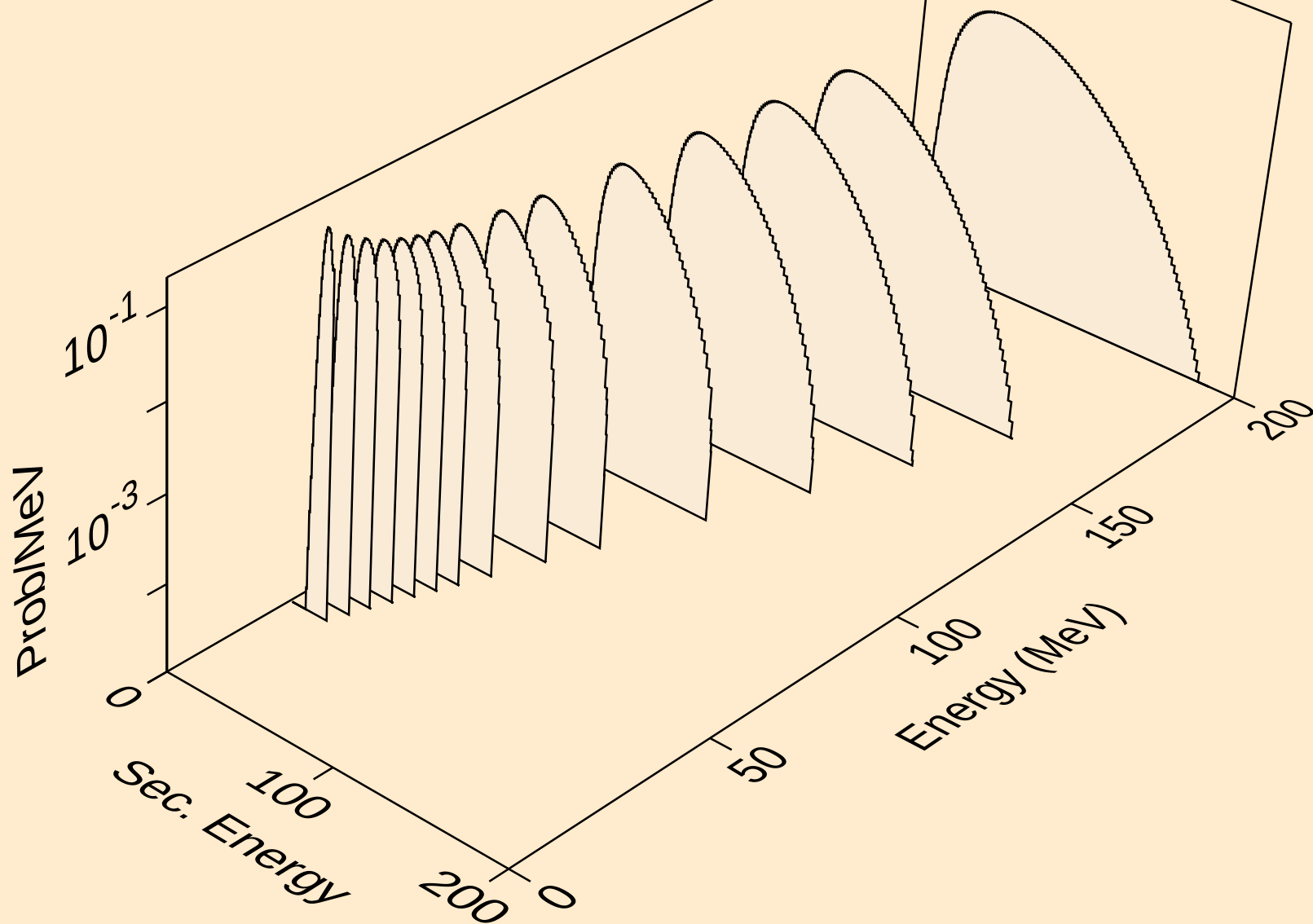
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tritons from (n,t)



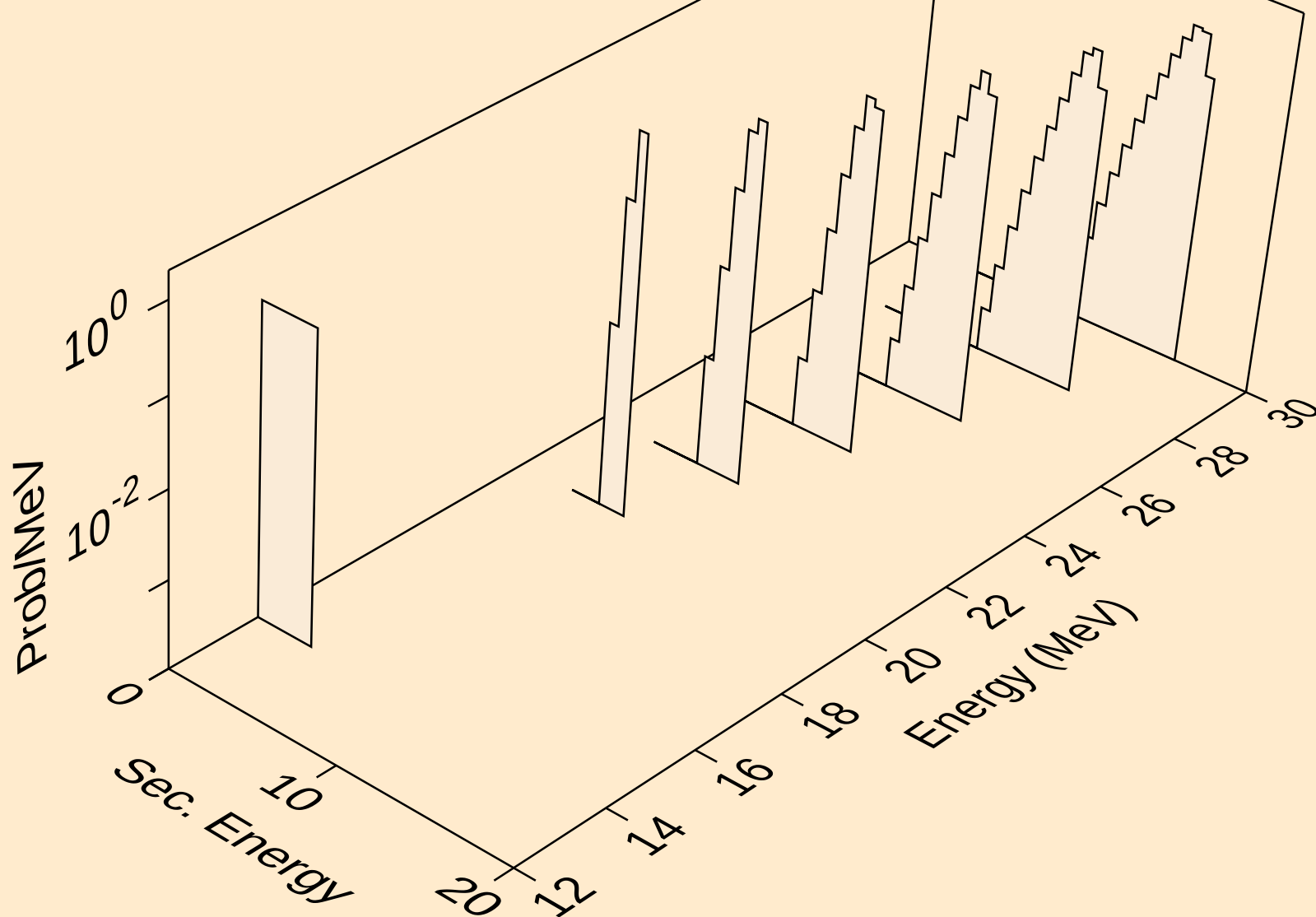
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tritons from (n,pt)



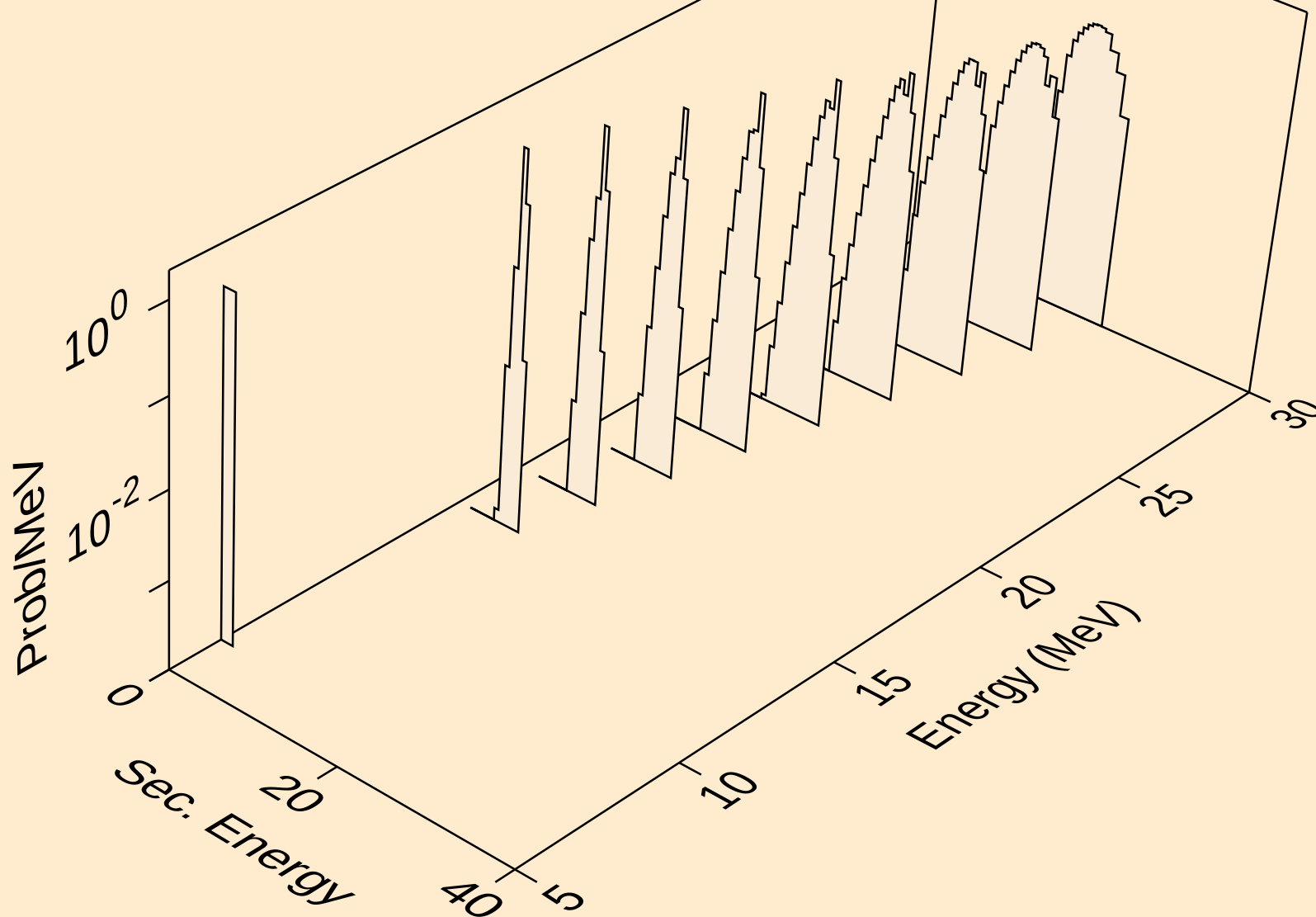
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he3s from (n,x)



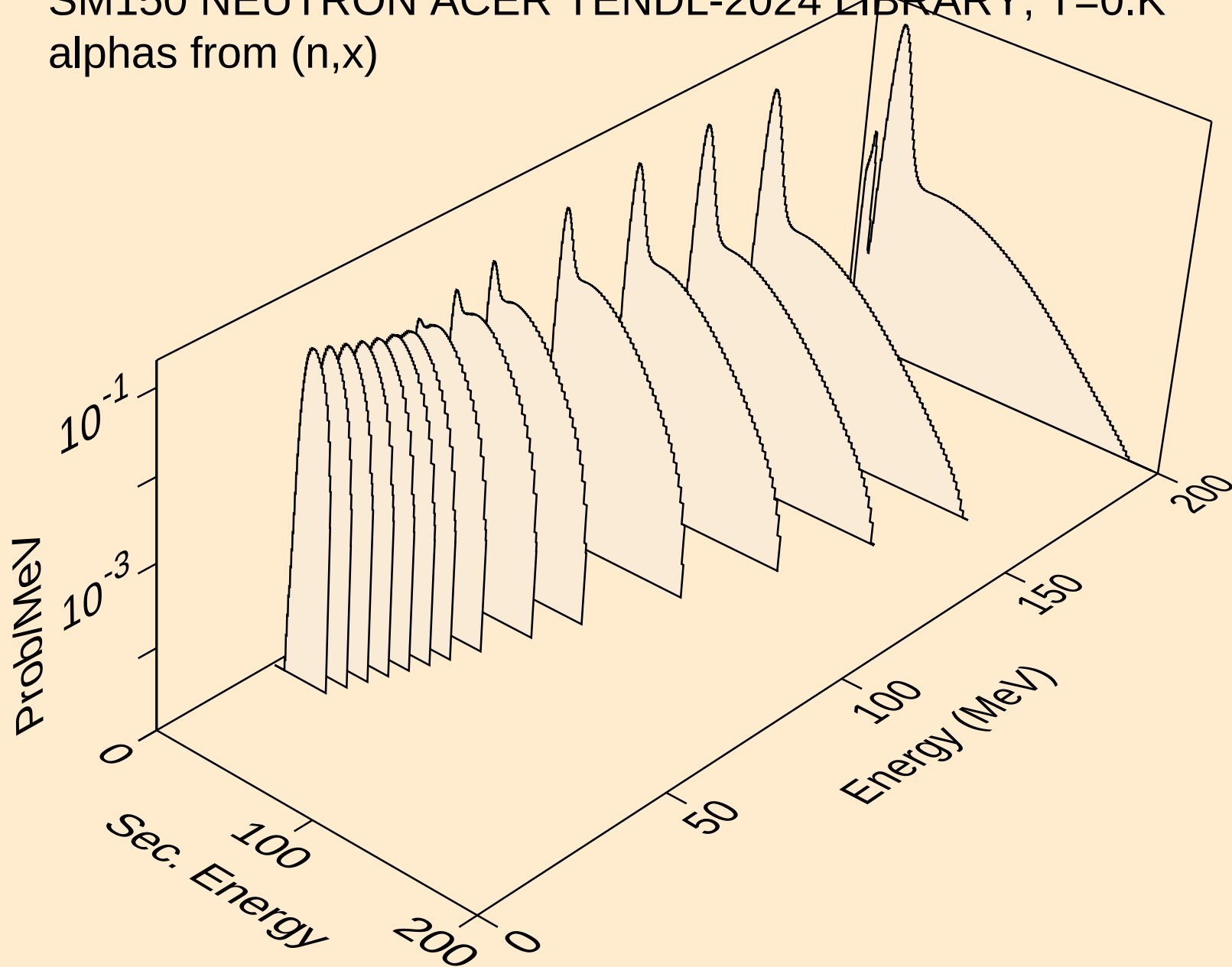
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he3s from (n,n\*)he3



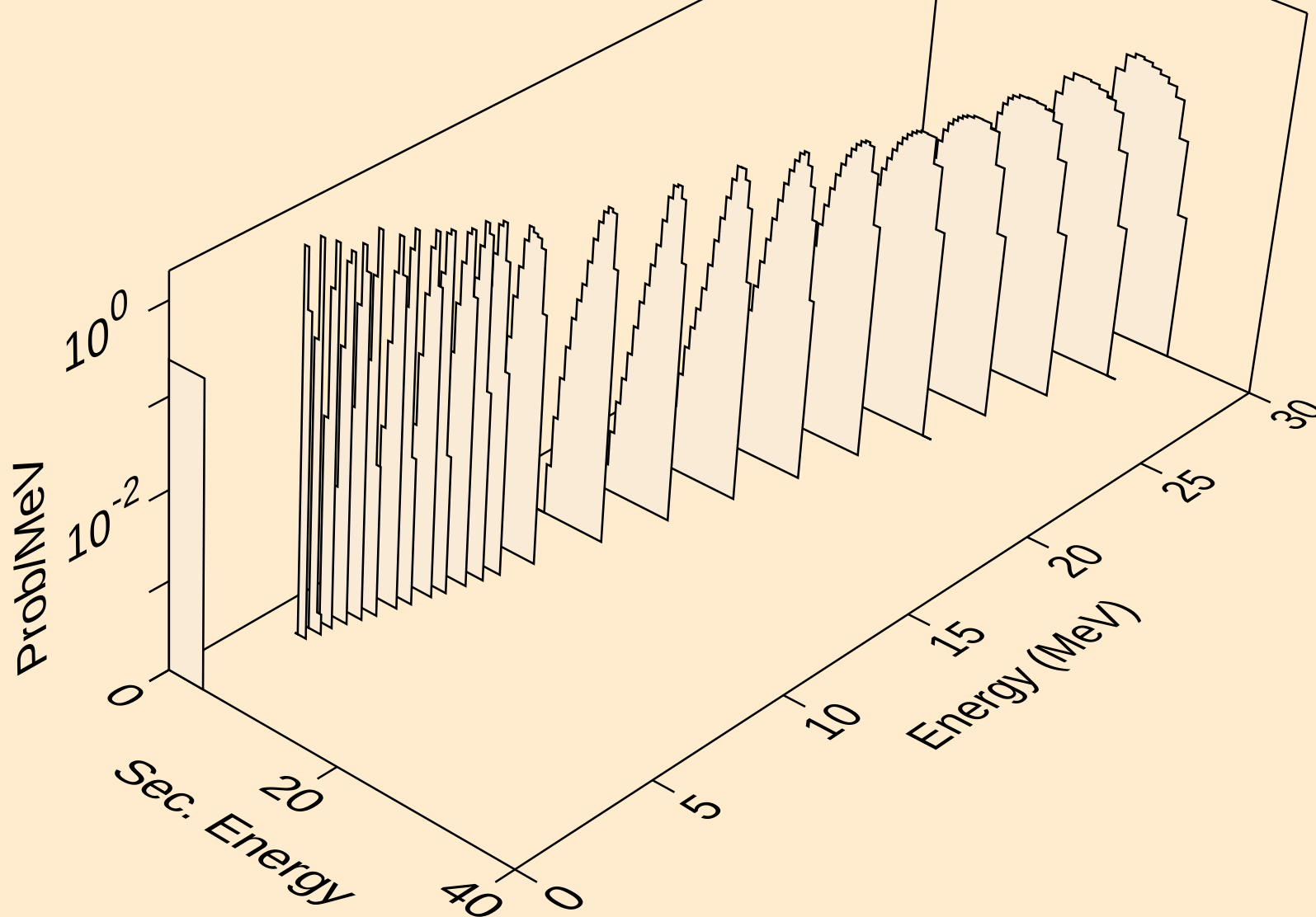
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he3s from (n,he3)



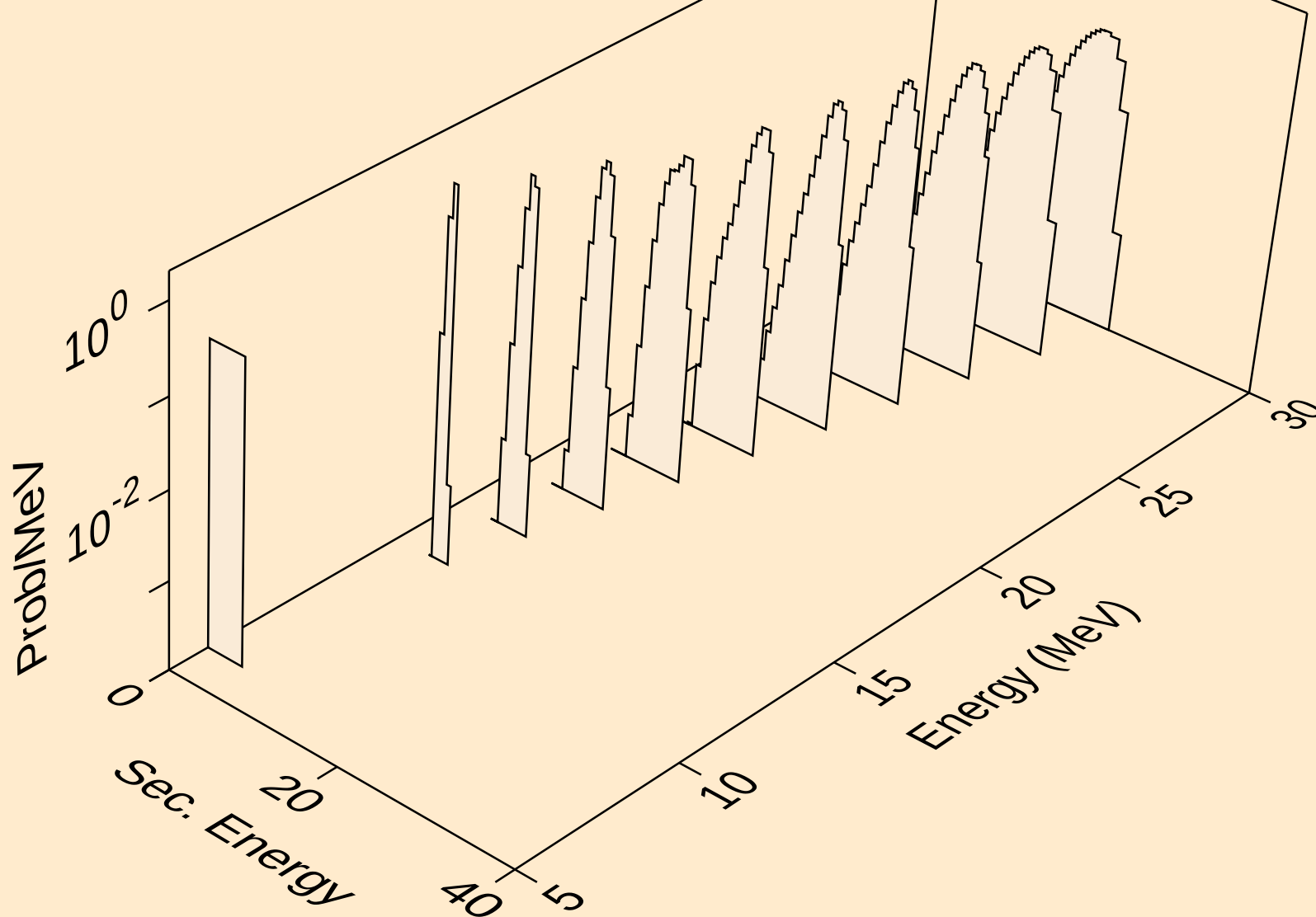
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alphas from (n,x)



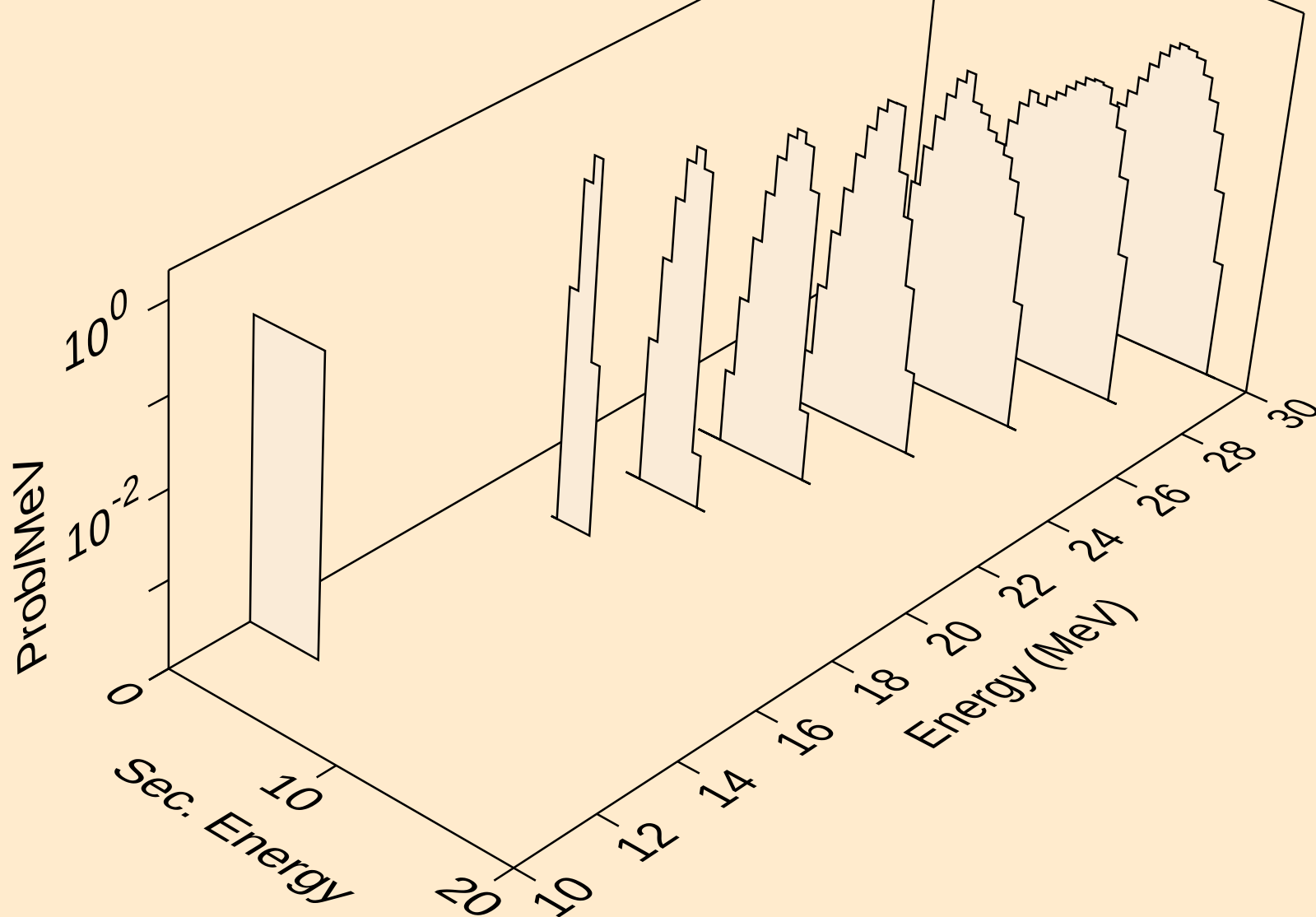
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



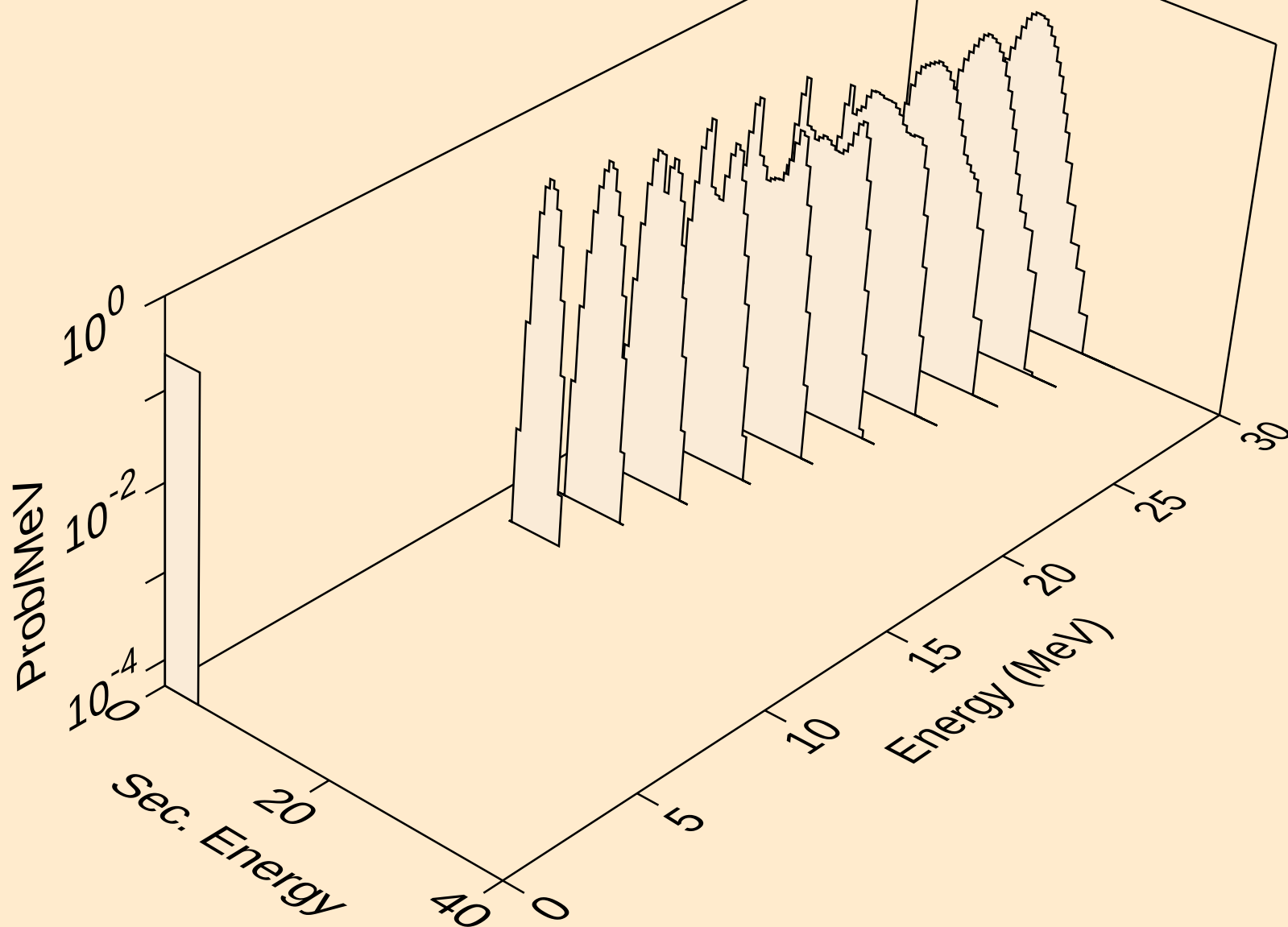
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alphas from (n,2n)a



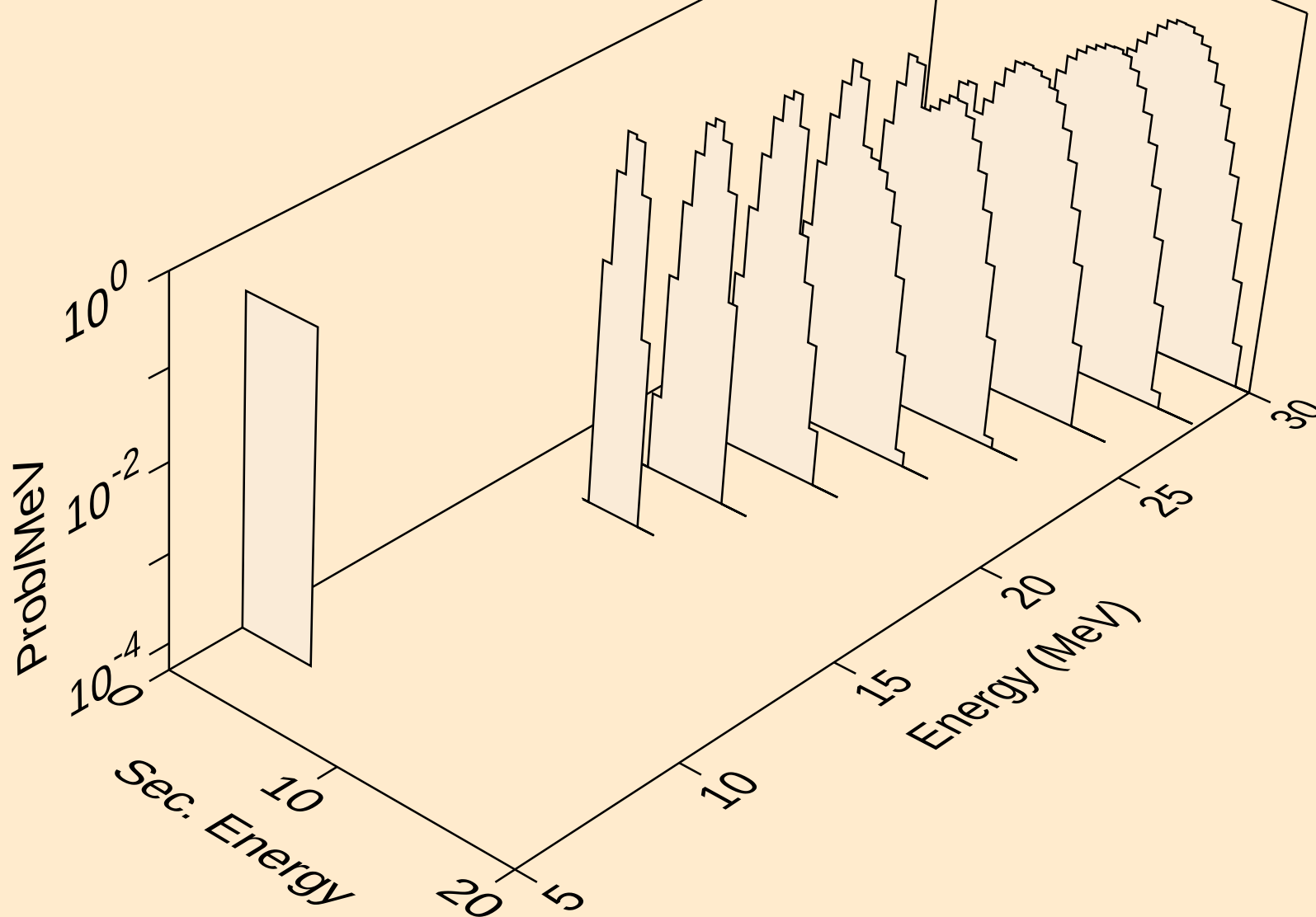
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alphas from (n,3n)a



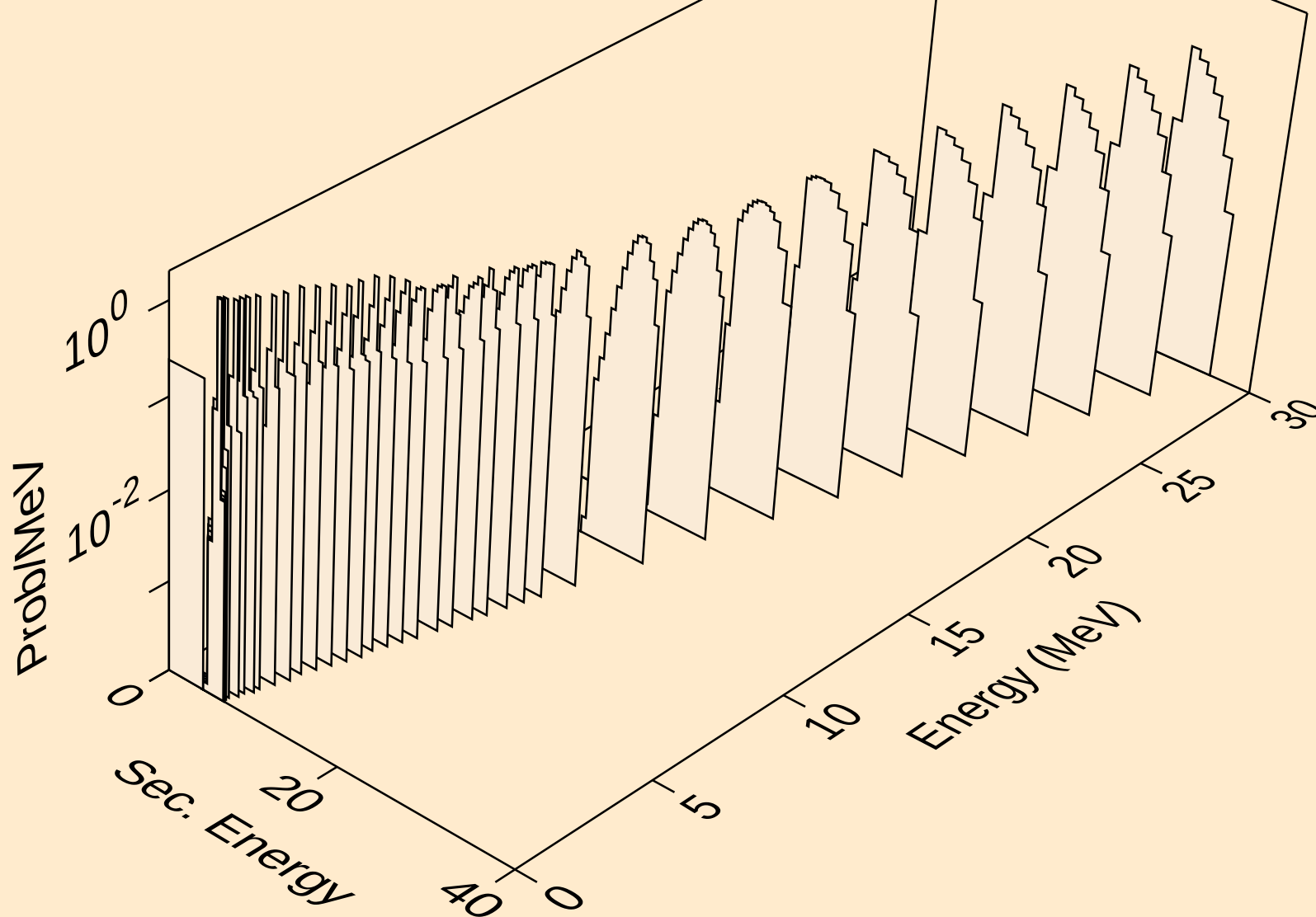
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alphas from (n,n\*)2a



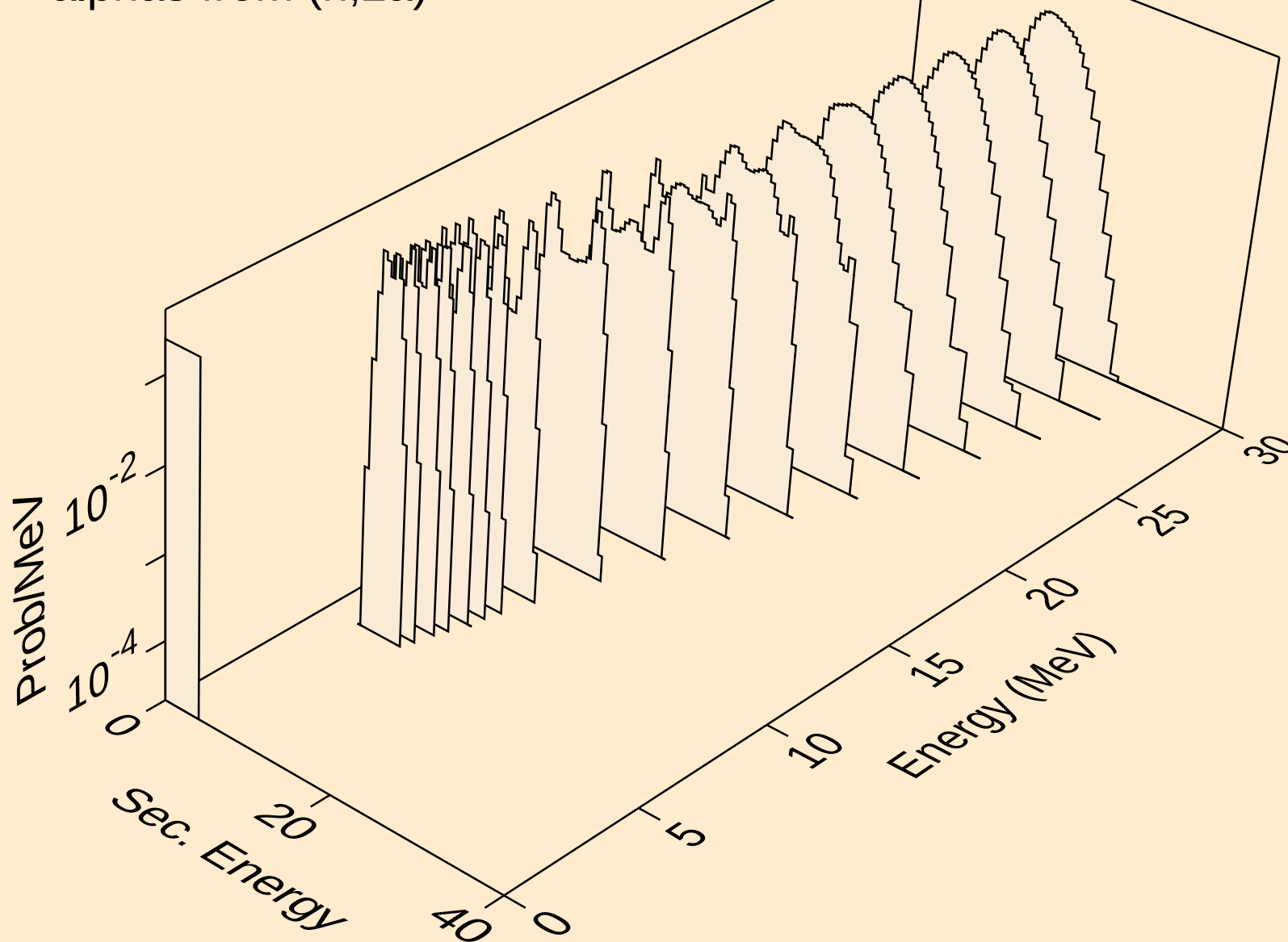
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



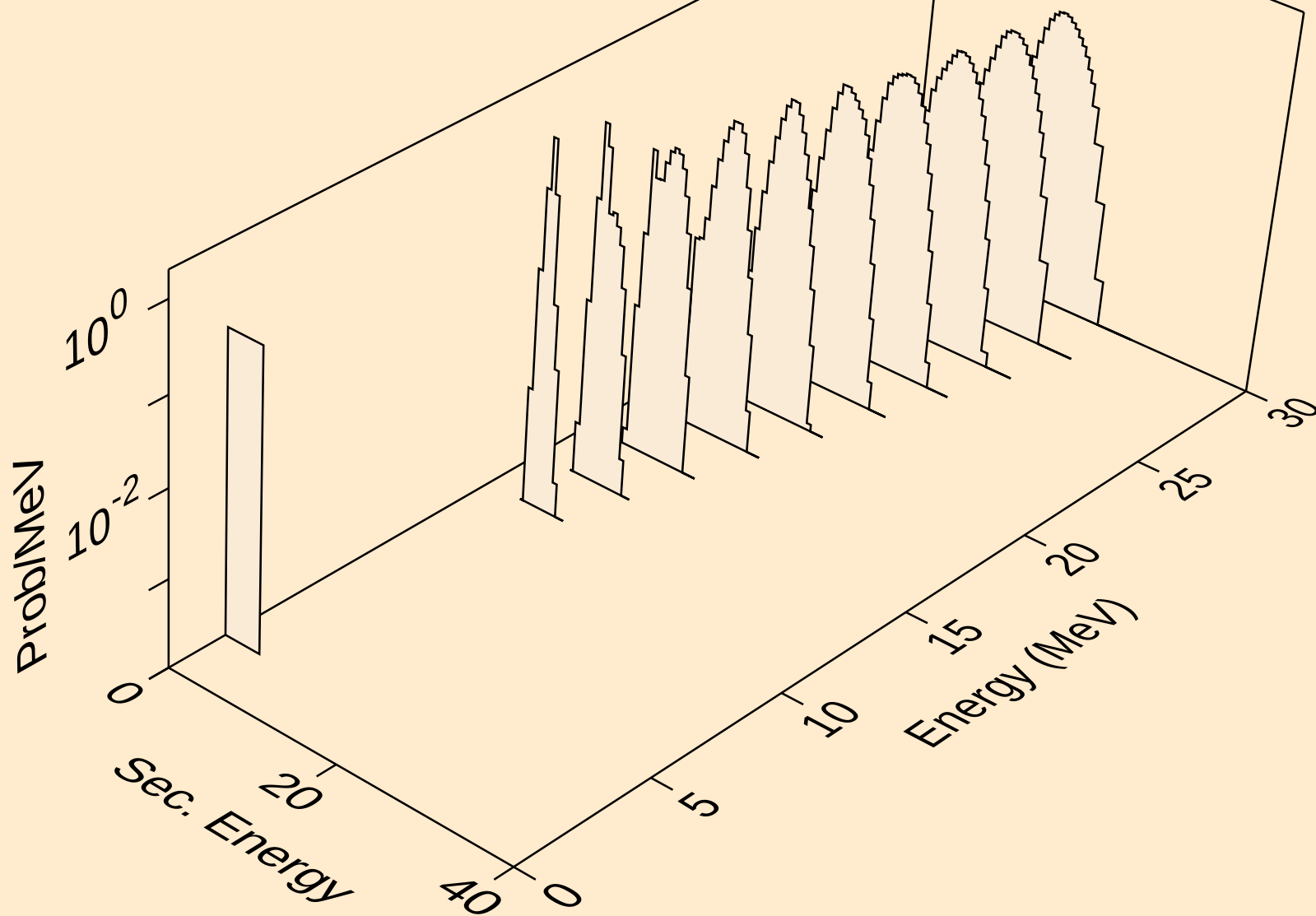
SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



SM150 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

